WKE

DECEMBER 2019

PROJECT ID: 1320-23-71, 3760-00-71/72

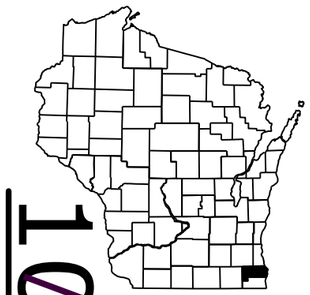
WITH: N/A

COUNTY: RACINE

ORDER OF SHEETS

Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right of Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
~~Section No. 8~~	~~Structure Plans~~
Section No. 9	Computer Earthwork Data
Section No. 9	Cross Sections

TOTAL SHEETS = 864



10

N

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1320-23-71		
1320-23-74		
3760-00-71		
3760-00-72		

STH 11
CTH H INTERSECTION

STH 11
RACINE COUNTY

STATE PROJECT NUMBER
1320-23-71

STH 11, WILLOW STREET SIDEWALK
86TH ST TO 84TH ST/WILLOW ROAD

STH 11
RACINE COUNTY

STATE PROJECT NUMBER
1320-23-74

CTH H, BRAUN RD TO STH 11
BRAUN RD TO STH 11

CTH H
RACINE COUNTY

STATE PROJECT NUMBER
3760-00-71

LOUIS SORENSON ROAD
INTERNATIONAL DRIVE TO WEST ROAD

LOCAL STREET
RACINE COUNTY

STATE PROJECT NUMBER
3760-00-72

DESIGN DESIGNATION

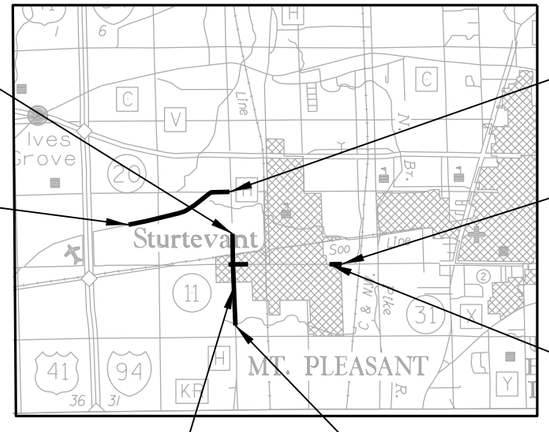
CTH H, SOUTH OF STH 11			STH 11, WEST OF CTH H		
A.A.D.T.	2018 =	5,025	A.A.D.T.	2018 =	13,870
A.A.D.T.	2038 =	8,590	A.A.D.T.	2038 =	19,050
D.H.V.	=	815	D.H.V.	=	1,810
D.D.	=	60/40	D.D.	=	50/50
T.	=	8.4% (AM) 7.8% (PM)	T.	=	7.5% (AM) 10.0% (PM)
DESIGN SPEED	=	35 mph	DESIGN SPEED	=	50 mph
ESALS	=	12,000,000	ESALS	=	12,000,000

CONVENTIONAL SYMBOLS

PLAN
- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE
- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES
- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE



END PROJECT 1320-23-71
STA 944HN+98.63
X = 605087.52
Y = 178871.06

BEGIN PROJECT 3760-00-72
X = 599493.87
Y = 179098.69

END PROJECT 3760-00-72
X = 604521.98
Y = 180852.75

END PROJECT 1320-23-74
STA 276STE+01.52
X = 612509.56
Y = 175314.82

BEGIN PROJECT 1320-23-74
STA 263STE+17.17
X = 611225.91
Y = 175352.09

END PROJECT 3760-00-71
BEGIN PROJECT 1320-23-71
STA 888HN+00.00
X = 604596.60
Y = 173390.12

BEGIN PROJECT 3760-00-71
STA 857HN+68.00
X = 604646.00
Y = 170359.02

LAYOUT
SCALE 0 1.0 MI.

NET LENGTH OF CENTERLINE PROJECT 1320-23-71 = 1.079 MI.
NET LENGTH OF CENTERLINE PROJECT 1320-23-74 = 0.243 MI.
NET LENGTH OF CENTERLINE PROJECT 3760-00-71 = 0.574 MI.
NET LENGTH OF CENTERLINE PROJECT 3760-00-72 = 1.098 MI.
TOTAL NET LENGTH OF CENTERLINE = 2.994 MI.

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCE TO THE NORTH AMERICAN VERTICAL DATUM OF NAVD 88 (1991).

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE REFERENCE SYSTEM (WisCRS), RACINE COUNTY, NAD83 (1997).

ORIGINAL PLANS PREPARED BY

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(414) 359-2300

WISCONSIN
RYAN D. JANKE
E-42442
PORT WASHINGTON, WI
PROFESSIONAL ENGINEER

8/1/19 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	KAPUR & ASSOCIATES
Designer	HNTB
Project Manager	STEVE HOFF
Regional Examiner	WISDOT SE REGION
Regional Supervisor	MANOJOY NAG
C.O. Examiner	

APPROVED FOR THE DEPARTMENT

DATE: 8/1/19 (Signature)

E

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ORDER OF SECTION 2 DETAIL SHEETS

GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
HAUL ROUTES
CURB RAMP DETAILS
REMOVAL PLAN
PLAN DETAILS
PAVING GRADES
FTMS PLANS
DISTURBED WETLAND PLAN
EROSION CONTROL
STORM SEWER
POND DETAILS
SIGNING REMOVAL PLAN
PERMANENT SIGNING
LIGHTING PLAN
TRAFFIC SIGNAL PLAN
COMMUNICATION PLAN
PAVEMENT MARKING PLAN
COLORED STAGING
TRAFFIC CONTROL / STAGE CONSTRUCTION
DETOUR PLAN
ALIGNMENT PLAN
CONTROL AND BENCHMARKS

DESIGN CONTACTS
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(414) 410-6783

GENERAL NOTES

THE CONTRACTOR SHALL CONTACT THE UTILITIES AND DIGGERS HOTLINE TO LOCATE AND FIELD VERIFY UTILITIES PRIOR TO THE START OF WORK.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE.

THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN. ANY LOCAL, MUNICIPAL OR OTHER UTILITY THAT IS NOT A MEMBER OF DIGGERS HOTLINE SHALL BE CONTACTED SEPARATELY.

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE. CURB AND GUTTER RADII DIMENSIONS ARE MEASURED TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

THE ENGINEER SHALL ADJUST THE LOCATIONS OF ITEMS UNDER THIS CONTRACT TO AVOID CONFLICT WITH THE EXISTING UTILITY FACILITIES

PROTECTING INLETS WITH PROPER INLET PROTECTION ARE REQUIRED AS PER DETAIL AT LOCATIONS EXHIBITING RISK OF BEING IMPACTED BY CONSTRUCTION OPERATIONS AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATION AND WIDTH OF TEMPORARY ACCESS FOR DRIVEWAYS WILL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESHAPING AND SEEDING ANY PREVIOUSLY GRASSED AREAS WHICH ARE DISTURBED BY ANY OPERATION OUTSIDE OF THE NORMAL CONSTRUCTION LIMITS AT THE CONTRACTOR'S EXPENSE OR AS OTHERWISE DIRECTED BY THE FIELD ENGINEER.

RE-TOPSOIL GRADED AREAS, AS DESIGNATED BY THE ENGINEER, IMMEDIATELY AFTER GRADING IS COMPLETED WITHIN THOSE AREAS. SEED, FERTILIZER, AND MULCH/EROSION MAT TOP-SOILED AREAS, AS DESIGNATED BY THE ENGINEER, WITHIN FIVE (5) CALENDAR DAYS AFTER PLACEMENT OF TOPSOIL. IF GRADED AREAS ARE LEFT EXPOSED FOR MORE THAN FIVE (5) CALENDAR DAYS, TOPSOIL, SEED, AND MULCH THOSE AREAS WITH TEMPORARY SEED AND MULCH.

STOCKPILE EXCESS MATERIAL OR SPOILS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODPLAINS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN FOURTEEN (14) CALENDAR DAYS, SEED THE STOCKPILE WITH TEMPORARY SEED AND MULCH.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL OR EQUIPMENT WITHIN WETLANDS OR PROTECTED AREAS IS NOT ALLOWED. WETLAND BOUNDARIES ARE SHOWN ON PLAN SHEETS.

WHEN THE QUANTITY OF HMA PAVEMENT OR BASE AGGREGATE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE LAYER SHOWN ON THE PLAN IS THE MINIMUM REQUIRED AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

BROKEN CONCRETE CONTAINING STEEL SHALL NOT BE USED AS RIPRAP OR HEAVY RIPRAP.

GENERAL NOTES CONT'D

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN AND PROVIDE DOCUMENTATION TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS. THIS ALSO INCLUDES VERIFICATION OF INVERT ELEVATIONS AT ALL PROPOSED STORM SEWER CONNECTION POINTS TO EXISTING SYSTEMS.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN SHALL BE ADJUSTED TO FIT FIELD CONDITIONS WITH PERMISSION FROM THE ENGINEER.

CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AND SEWRPC AT LEAST TWO (2) WEEKS PRIOR TO WORK NEAR ANY PUBLIC SURVEY MONUMENT. FOR SECTION CORNER REPLACEMENT CONTACT JOHN WASHBURN WITH SEWRPC AT 414-218-2866 OR JWASHBURN@SEWRPC.ORG AT LEAST TWO WEEKS BEFORE STARTING CONSTRUCTION OPERATIONS. ALL HOLES OR OPENINGS BELOW SUBGRADE RESULTING FROM ABANDONMENT OR REMOVAL OF EXISTING STRUCTURES SHALL BE FILLED WITH GRANULAR BACKFILL, AS DIRECTED BY THE ENGINEER.

PROVIDE TEMPORARY POSITIVE DRAINAGE ON THE NEWLY INSTALLED STORM SEWER SYSTEM UNTIL IT IS ABLE TO EFFECTIVELY DRAIN TO ITS INTENDED OR PLANNED OUTFALL. ANY WORK REQUIRED TO COMPLETE THIS DRAINAGE IS INCIDENTAL TO THE BID ITEMS FOR STORM SEWER.

A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MEETS EXISTING ASPHALTIC CONCRETE SURFACE.

THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

LOCATIONS OF DRAINTILE ON THE PLAN ARE BASED ON AS-BUILT OR PROPERTY OWNER INTERVIEWS, DRAINTILE EXPLORATION ITEM IS TO BE USED TO VERIFY THE EXACT SIZE AND LOCATION.

FERTILIZER SHALL NOT BE USED WITHIN 20 FEET OF NAVIGABLE WATERWAYS OR WETLANDS.

STATIONING, DISTANCES AND OFFSETS FOR SIGNS SHOWN ON THE PLANS ARE APPROXIMATE AND THE LOCATIONS OF SIGNS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

ABBREVIATIONS

AECPRC	APRON ENDWALL CULVERT PIPE REINFORCED CONCRET
AECPRCHE	APRON ENDWALL CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
AECPSS	APRON ENDWALL CULVERT PIPE SLOPED SECTION
AEW	APRON END WALL
AGG	AGGREGATE
BAD	BASE AGGREGATE DENSE
B/C	BACK OF CURB
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L	CENTER OR CONSTRUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPITICAL
CSD	CONCRETE SURFACE DRAIN
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
DWY	DRIVEWAY
EAT	ENERGY ABSORBING TERMINAL
EBS	EXCAVATION BELOW SUBGRADE
EFR	EAST FRONTAGE ROAD
EL	ELEVEATION
ESTR	EXISTING SIGN TO REMAIN
FE	FIELD ENTRANCE
FMS	FIXED MESSAGE SIGN
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
M/L	MATCHLINE

ABBREVIATIONS CONT'D

NB	NORTHBOUND
NC	NORMAL CROWN
PAVT	PAVEMENT
PC	POINT OF CURVE
PCC	POINT OF COMPOUND CURVE
PE	PRIVATE ENTRANCE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PLE	PERMANENT LIMITED EASMENT
PT	POINT OF TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
REQD	REQUIRED
RHF	RIGHT HAND FORWARD
RO	RUN OFF LENGTH
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWINGS
SE	SUPER ELEVATION
SF	SQUARE FOOT
SSPRC	STORM SEWER PIPE REINFORCED CONCRETE
SSPRCHE	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
STA	STATION
SY	SQUARE YARD
T	TANGENT LENGTH
TLE	TEMPORARY LIMITED EASEMENT
TYP	TYPICAL
VCL	VERTICAL CURVE LENGTH
VPC	POINT OF VERTICAL CURVE
VPI	POINT OF VERTICAL INTERSECTION
VPT	POINT OF VERTICAL TANGENT
WFR	WEST FRONTAGE ROAD

ALI IDENTIFIER	R/L CALLOUT	ROAD NAME
HN	R/L CTH H NB	CTH H NB
HS	R/L CTH H SB	CTH H SB
STHE	R/L STH 11 EB	STH 11 EB
STHW	R/L STH 11 WB	STH 11 WB
UNFI	R/L UNFI	UNFI DRIVEWAY
STH	R/L STH 11	STH 11
RD	R/L WILLOW RD	WILLOW RD

HMA PAVEMENT TYPE	TOTAL PAVEMENT LAYER THICKNESS	LAYERS
ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	3"	N/A
ASPHALTIC SURFACE	4"	2" UPPER LAYER 2" LOWER LAYER
ASPHALTIC SURFACE TEMPORARY	5"	N/A
4 MT 58-28 S 3 MT 58-28 S	5-1/2"	2-1/4" UPPER LAYER 3-1/4" LOWER LAYER

2

N

VILLAGE OF MT PLEASANT

BRAUN ROAD

855HS

860HS

865HS

870HS

875HS

880HS

855HN

860HN

865HN

870HN

875HN

880HN

CTH H

FUTURE SHARED USE PATH

R/L CTH H SB

WETLAND BOUNDARY (TYP.)

MATCHLINE 883HN+00

BEGIN PROJECT 3760-00-71
STA 857HN+68.00
X=604646.00
Y=170359.02

CHICORY CREEK

R/L CTH H NB

POND P

BRAUN ROAD

VILLAGE OF STURTEVANT

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 5	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlanSheets\8.1x11\20200226_p08.dgn PLOT DATE : 8.1x11 20200226 p08.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

2

VILLAGE OF MT PLEASANT

CONSTRUCTION BY OTHERS

N

BEGIN CONSTRUCTION
STA 234STHE+00.00

BEGIN PROJECT 1320-23-71
STA 888HN+00.00
X=604596.60
Y=173390.12

END PROJECT 3760-00-71
STA 888HN+00.00
X=604596.60
Y=173390.12

FUTURE SHARED USE PATH

R/L UNFI

OUNFI

MATCHLINE 883HN+00

885HS

890HS

895HS

UNFI

900HS

R/L CTH H SB

905HS

CTH H

910HS

885HN

890HN

895HN

900HN

905HN

910HN

234STHE

235STHW

240STHE

MATCHLINE 913HN+00

R/L CTH H NB

WETLAND BOUNDARY (TYP.)

STH 11

R/L STH 11 WB

VILLAGE OF STURTEVANT

R/L STH 11 EB

245STHE

245STHW

MATCHLINE 249STHE+00

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 6	E

2

N

VILLAGE OF MT PLEASANT

WETLAND BOUNDARY (TYP.)

CANADIAN PACIFIC RAILROAD

FUTURE SHARED USE PATH

END CONSTRUCTION
STA 922HN+00.00
X=604572.84
Y=176788.40

MATCHLINE 913HN+00

915HS

915HN

920HN

CTH H

925HN

930HN

935HN

940HN

W ROAD

RENAISSANCE BLVD

945HN

VENICE AVE

R/L CTH H NB

ENTERPRISE DR

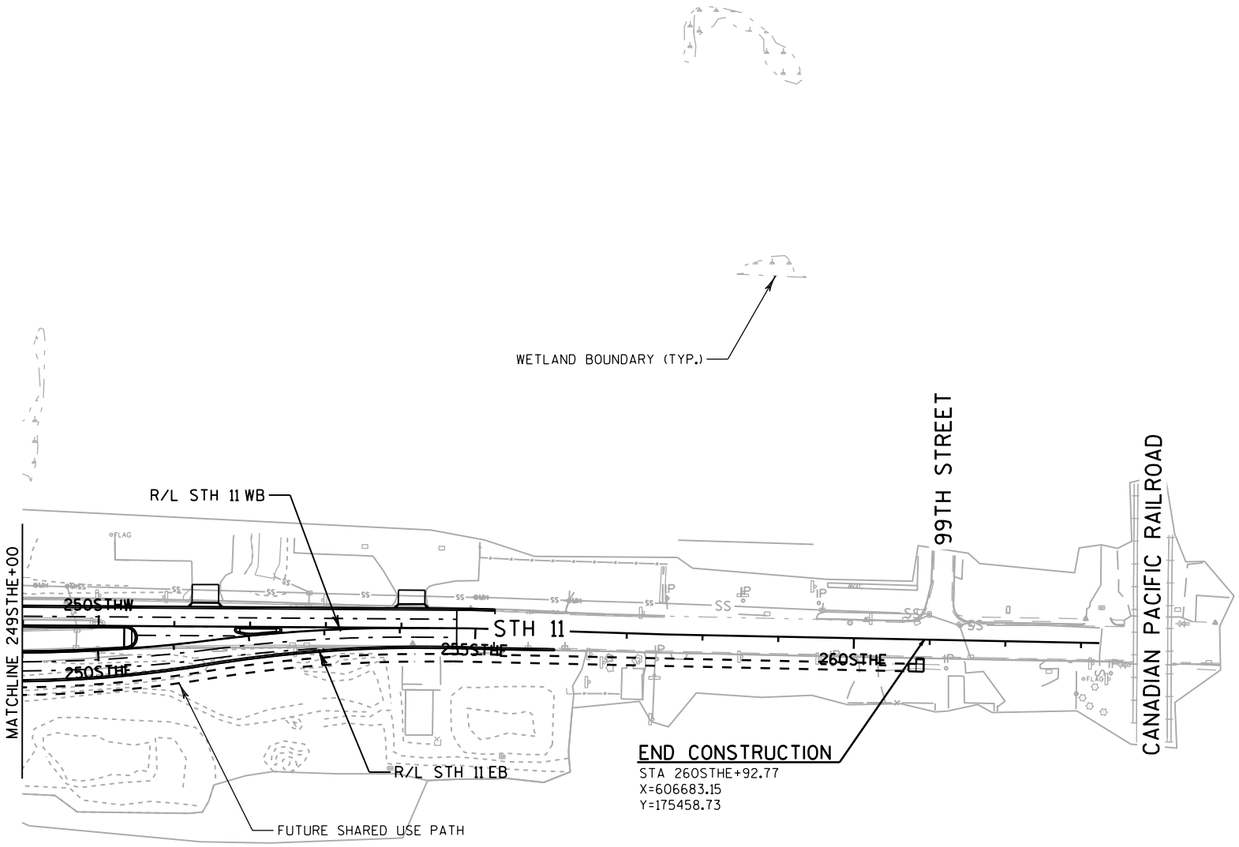
VILLAGE OF STURTEVANT

END PROJECT 1320-23-71
STA 944HN+98.63
X=605087.52
Y=178871.06

PROJECT NO:1320-23-71	HWY: STH 11	COUNTY:RACINE	PROJECT OVERVIEW	SHEET 7	E

2

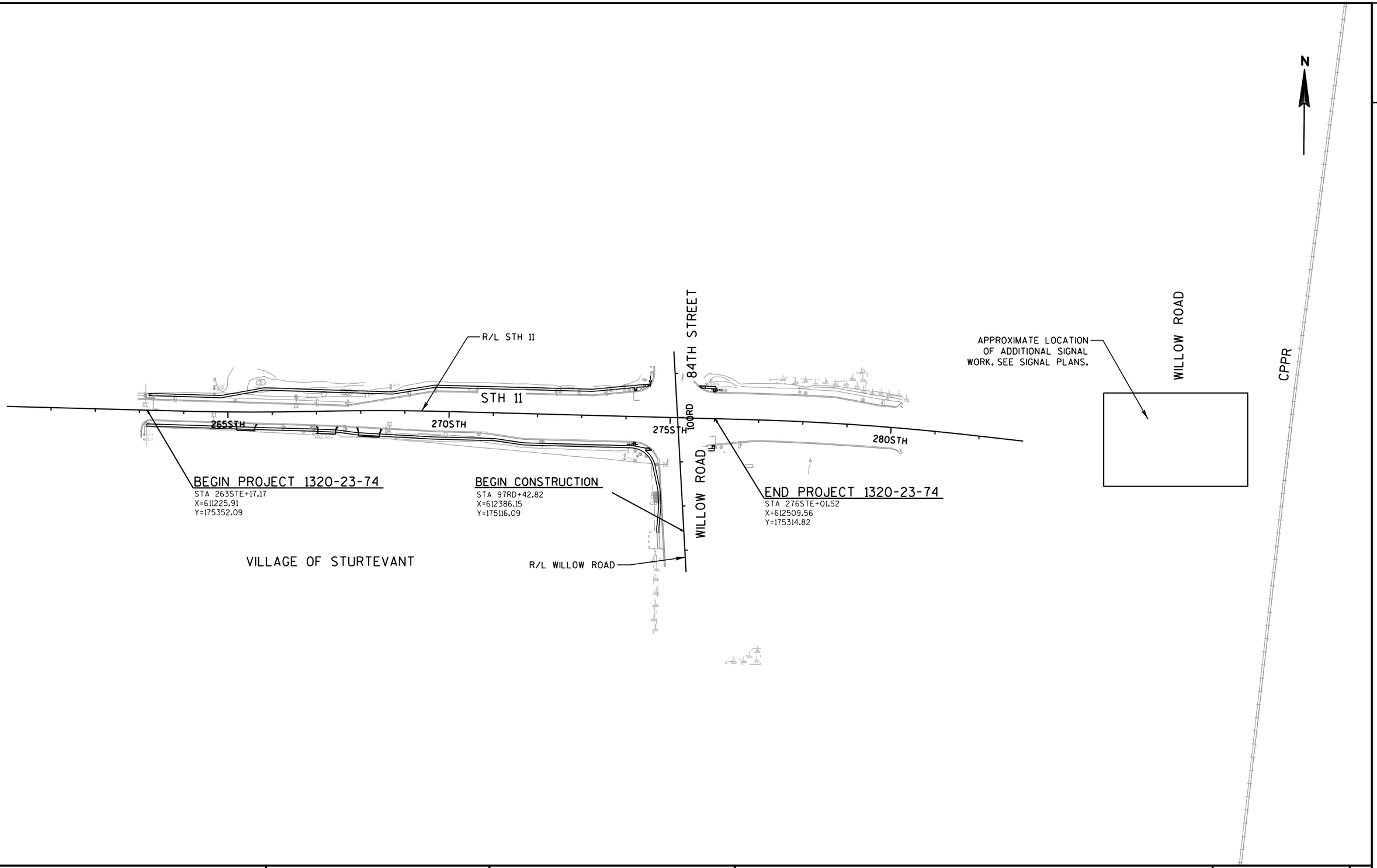
N



VILLAGE OF STURTEVANT

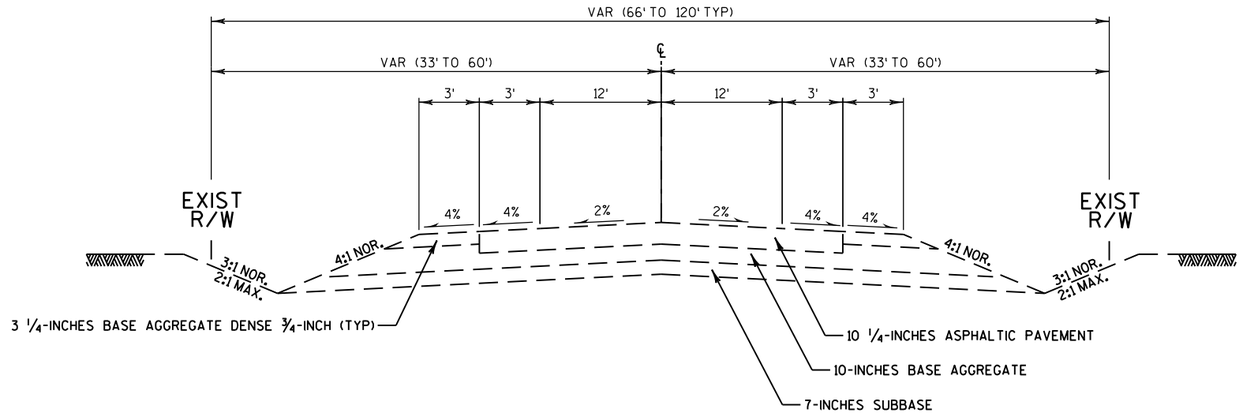
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 8	E

2



PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	PROJECT OVERVIEW	SHEET 9	E

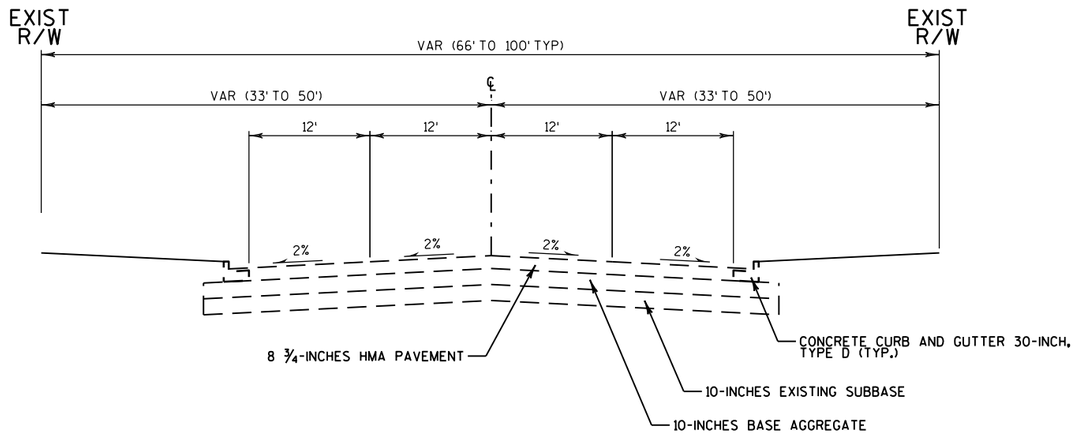
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TYPICAL EXISTING SECTION

CTH H

STA 857HN+68 TO STA 908HN+43

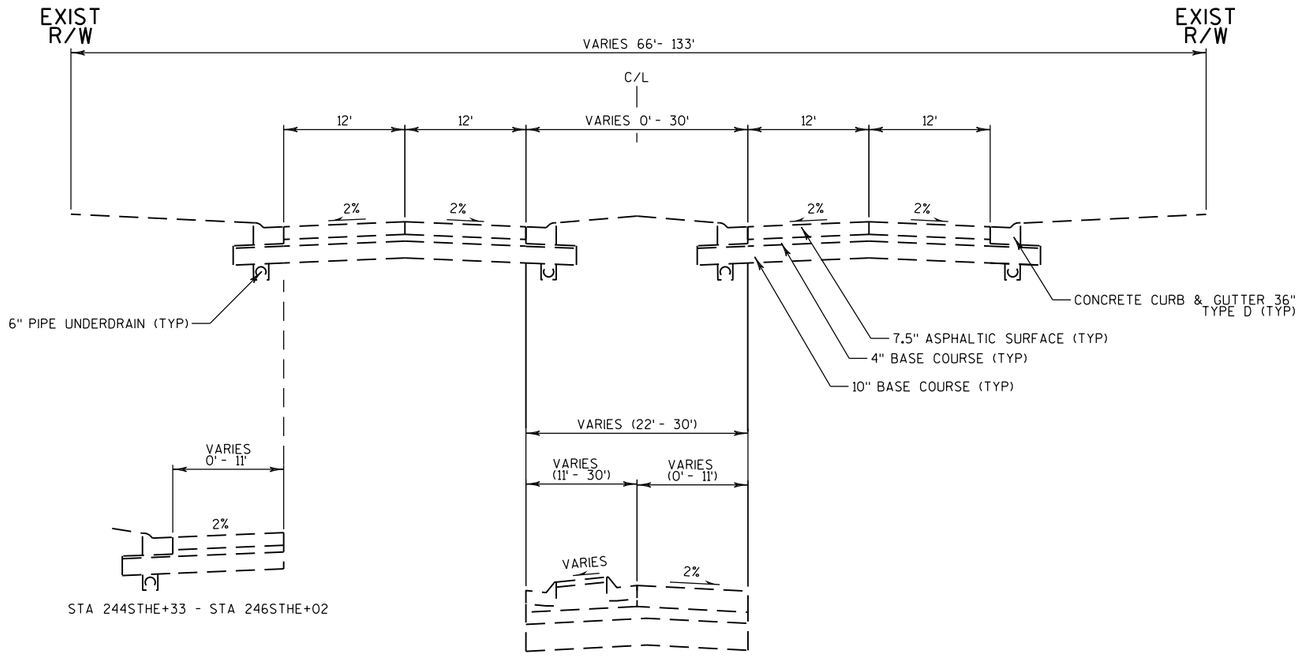


TYPICAL EXISTING SECTION

CTH H

STA 909HN+39 TO STA 922HN+00

2



STA 244STHE+33 - STA 246STHE+02

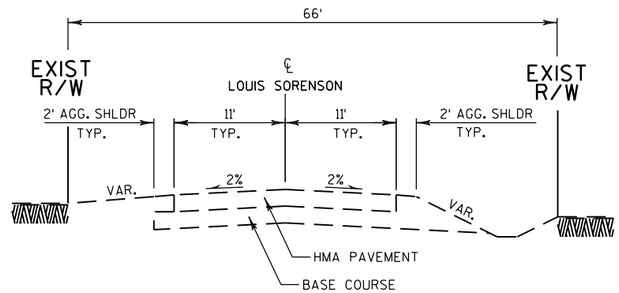
STA 244STHE+33 - STA 247STHE+29

STH 11 TYPICAL EXISTING SECTION

STA 244STHE+33 - STA 254STHE+75

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS: STH 11 EXISTING	SHEET 11	E

2



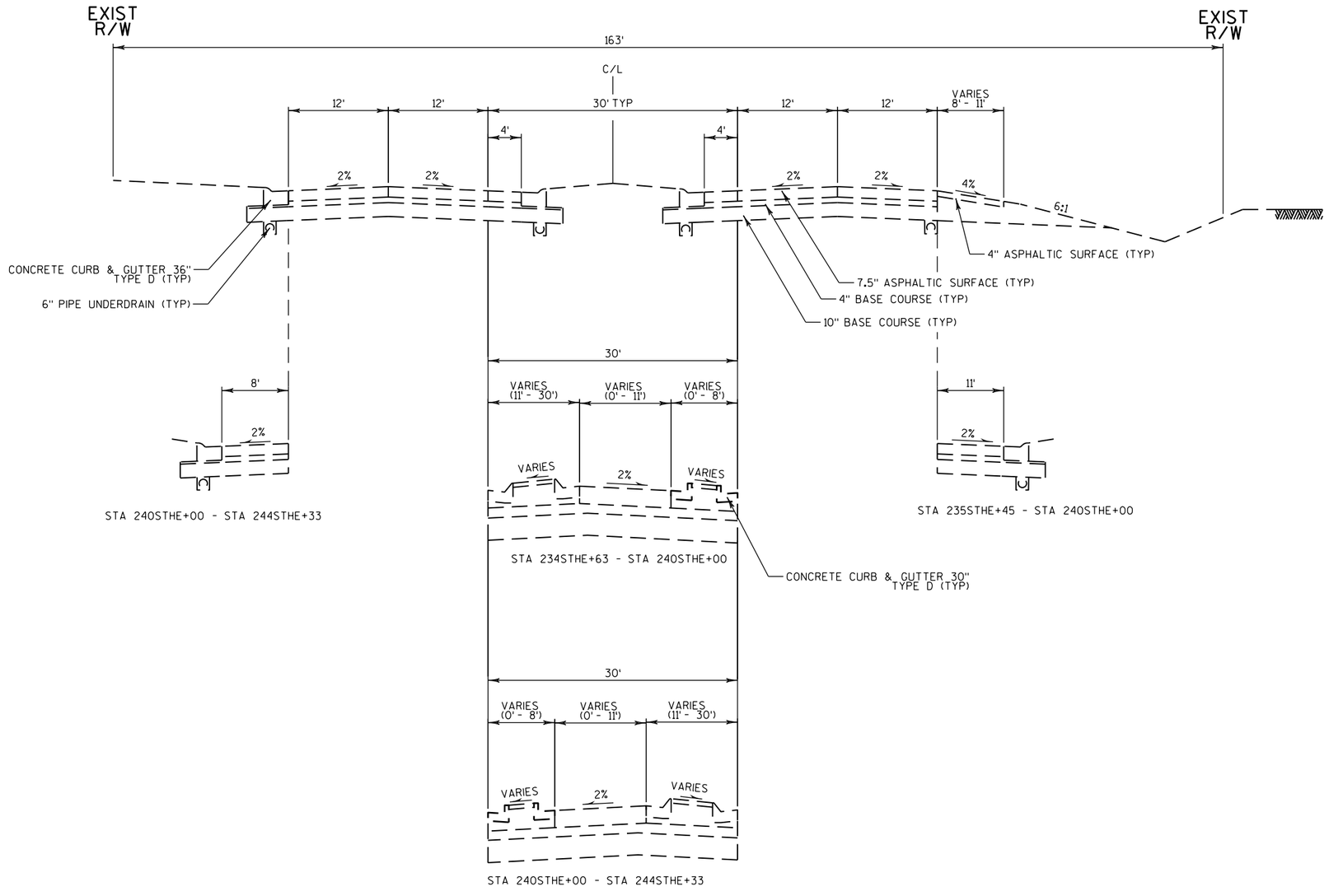
TYPICAL EXISTING SECTION

LOUIS SORENSON DRIVE

INTERNATIONAL DRIVE TO WEST ROAD

PROJECT NO: 3760-00-72	HWY: LOUIS SORENSON	COUNTY: RACINE	TYPICAL SECTIONS: LOUIS SORENSON EXISTING	SHEET 12	E

2

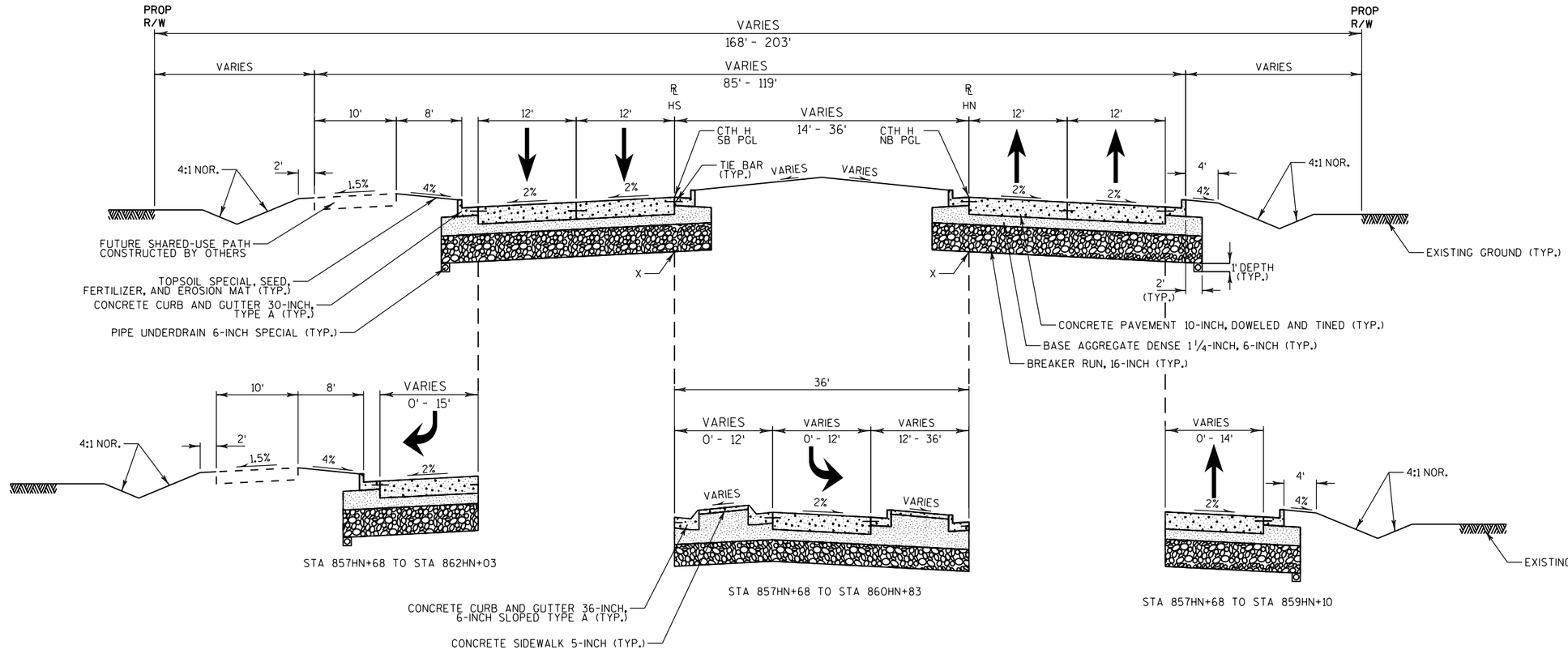


STH 11 TYPICAL EXISTING SECTION

STA 234STHE+00 - STA 244STHE+33

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS: STH 11 EXISTING	SHEET 13	E

2



TYPICAL FINISHED SECTION

CTH H

STA 857HN+68 TO STA 878HN+74

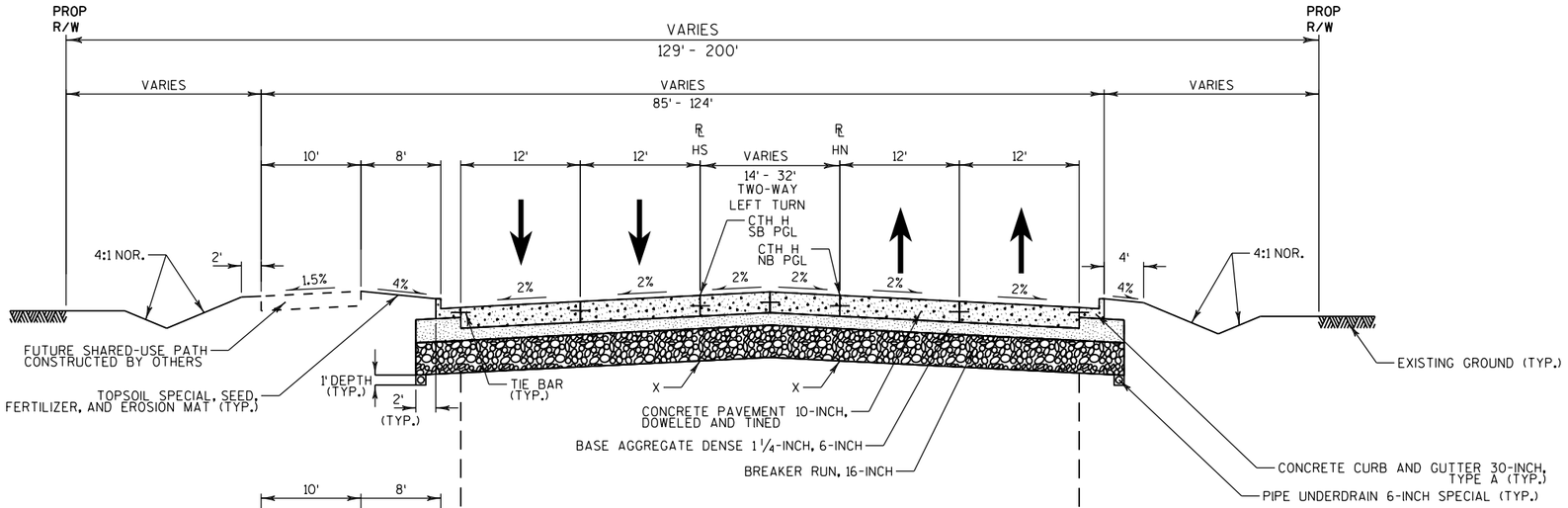
LEGEND

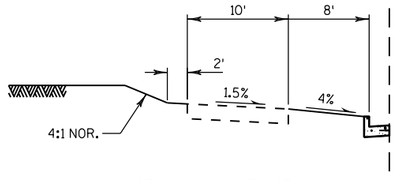
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PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

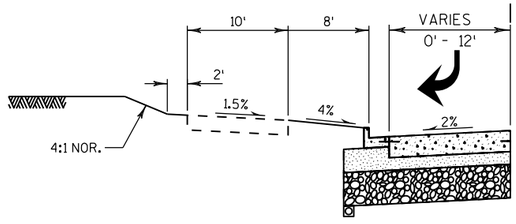
NOTE:
SEE CROSS SECTIONS FOR DITCH INFORMATION

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TYPICAL SECTIONS: CTH H PROPOSED	SHEET 14	E

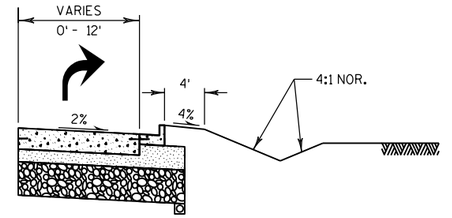




STA 884HN+00 TO STA 896HN+00



STA 894HN+90 TO STA 901HN+50



STA 897HN+64 TO STA 901HN+50

TYPICAL FINISHED SECTION

CTH H

STA 878HN+74 TO STA 901HN+50

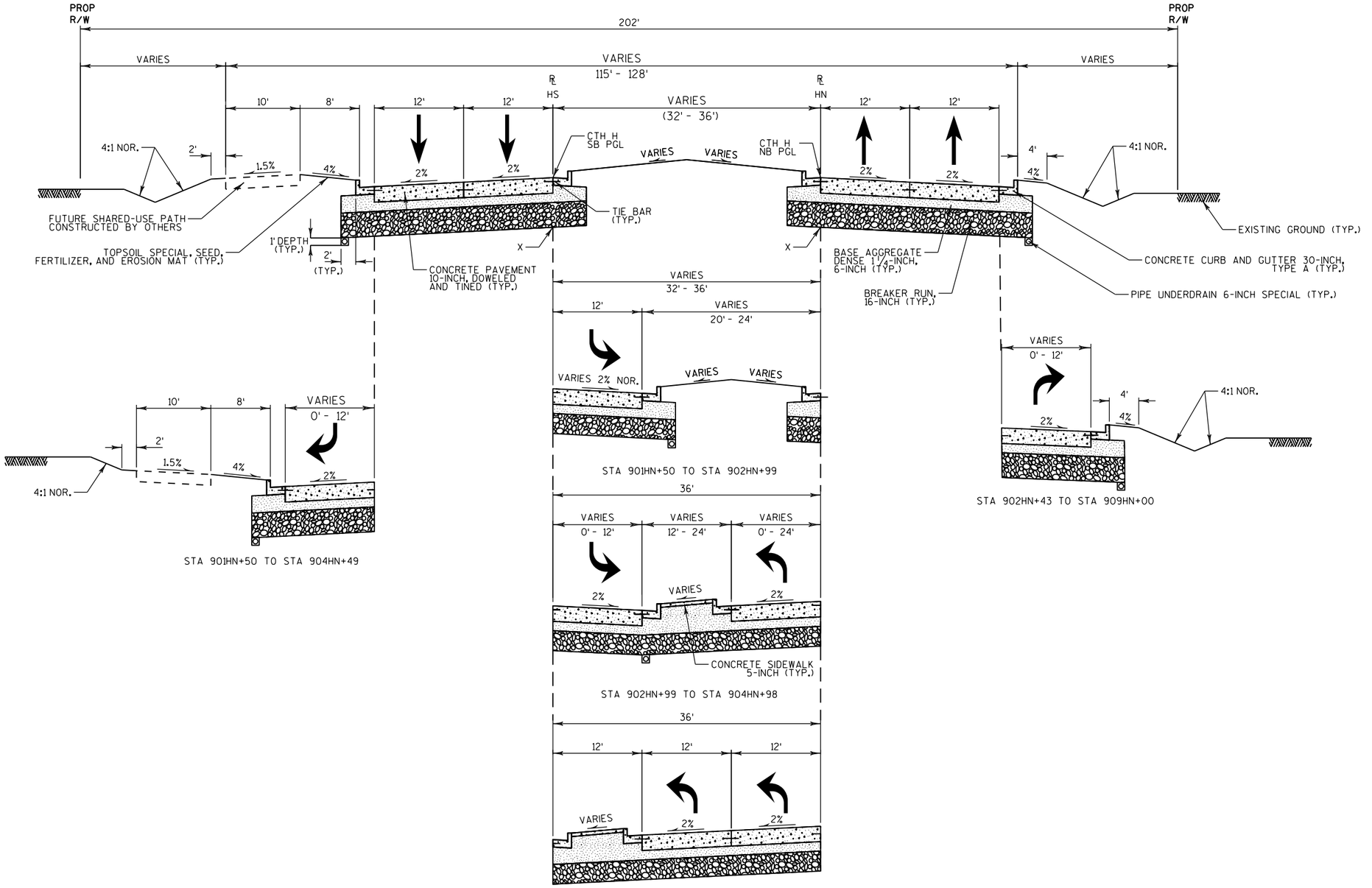
LEGEND

X = POINT REFERRED TO ON CROSS SECTION

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

NOTE:
SEE CROSS SECTIONS FOR DITCH INFORMATION

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	TYPICAL SECTIONS: CTH H PROPOSED	SHEET 15	E



LEGEND

X = POINT REFERRED TO ON CROSS SECTION

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

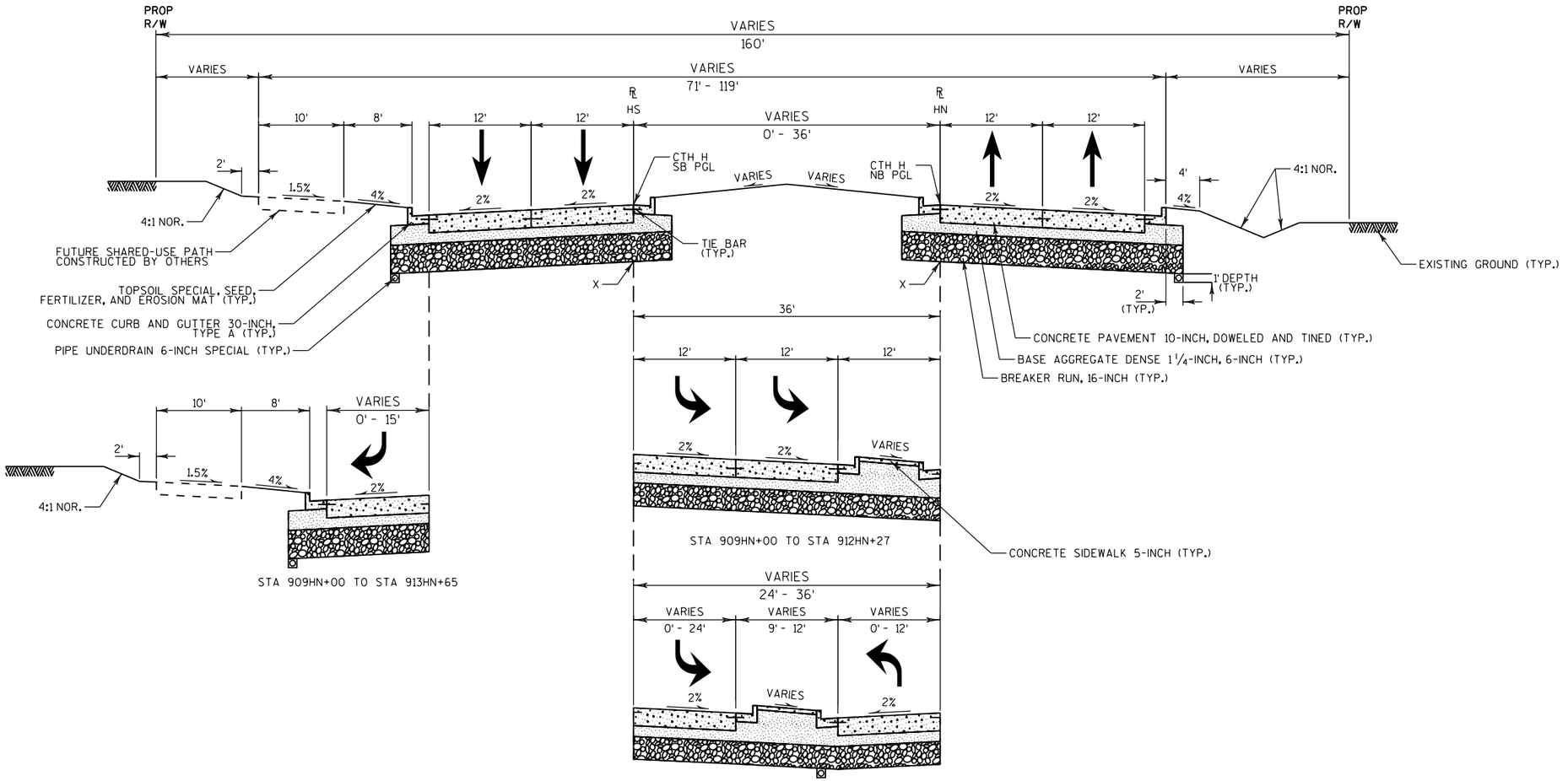
NOTE:
SEE CROSS SECTIONS FOR DITCH INFORMATION

TYPICAL FINISHED SECTION

CTH H

STA 901HN+50 TO STA 909HN+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTION: CTH H PROPOSED	SHEET 16	E



TYPICAL FINISHED SECTION

CTH H

STA 909HN+00 TO STA 916HN+07

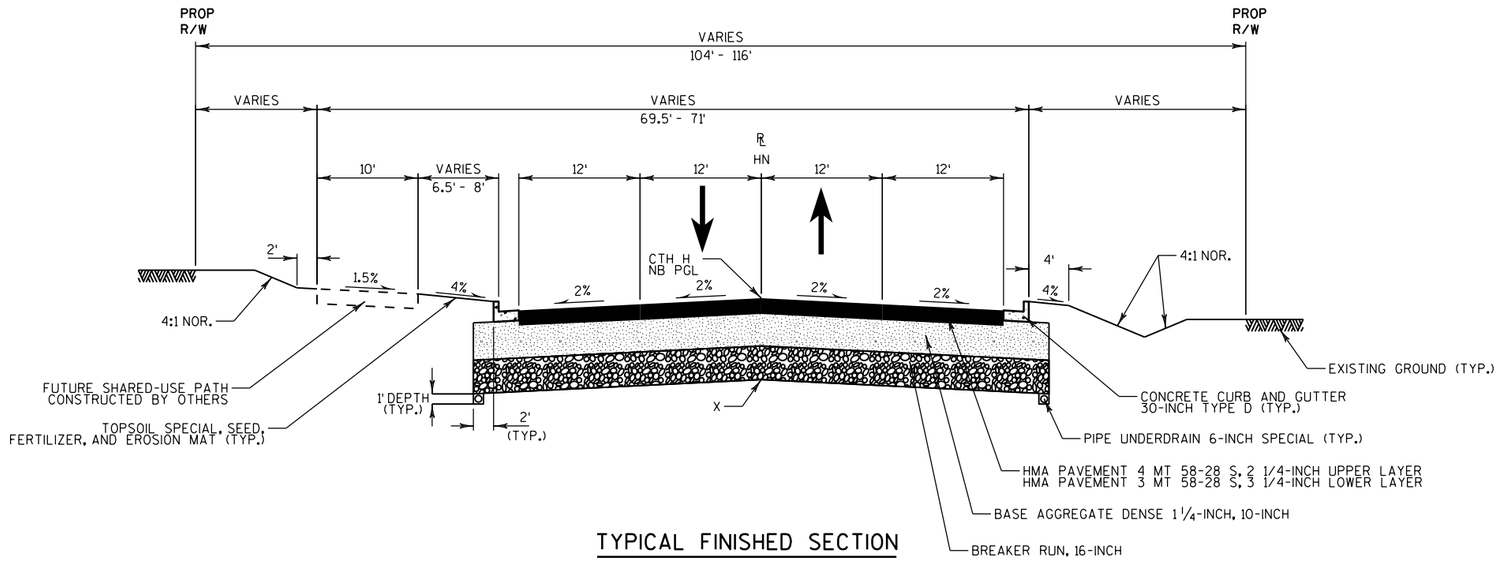
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X = POINT REFERRED TO ON CROSS SECTION

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

NOTE:
SEE CROSS SECTIONS FOR DITCH INFORMATION

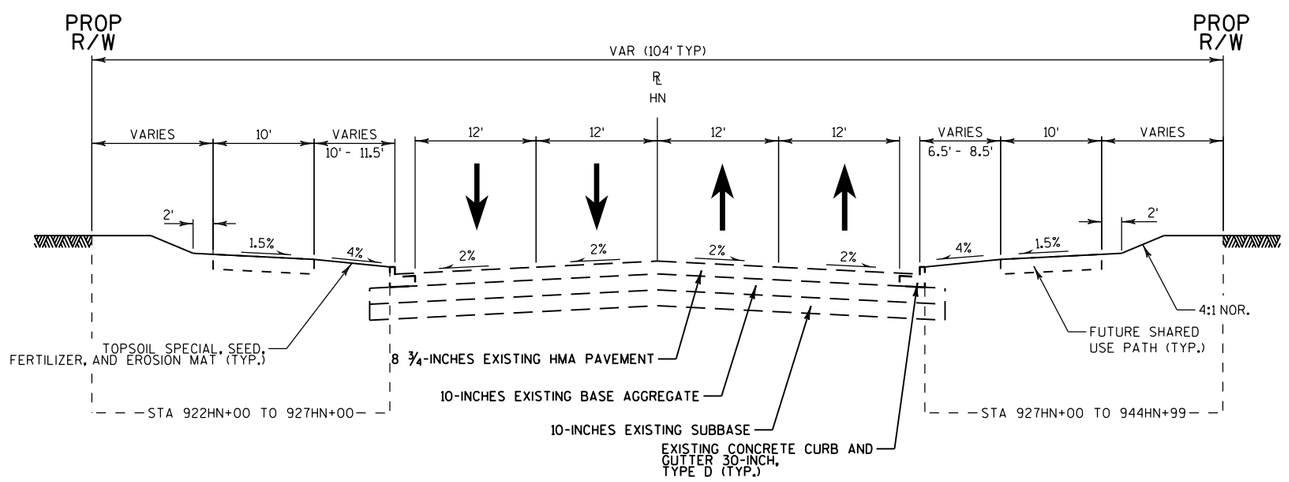
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTION: CTH H PROPOSED	SHEET 17	E



TYPICAL FINISHED SECTION

CTH H

STA 916HN+07 TO STA 922HN+00



TYPICAL FINISHED SECTION

CTH H FUTURE SHARED USE PATH

STA 922HN+00 TO 944HN+99

LEGEND

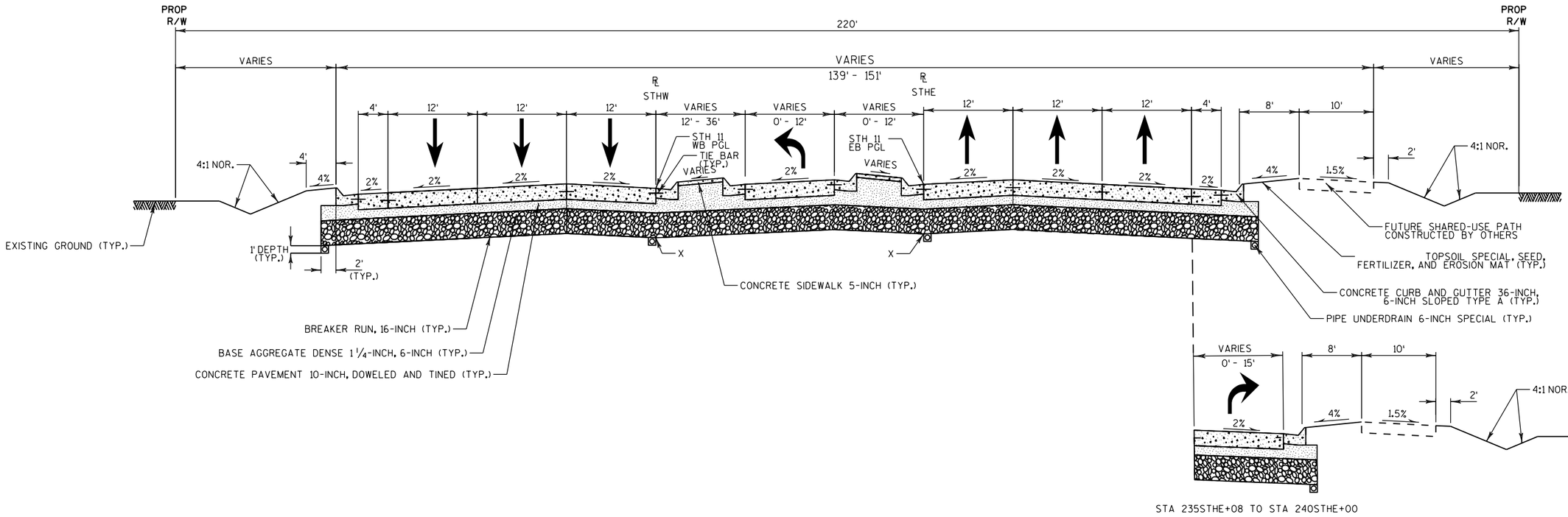
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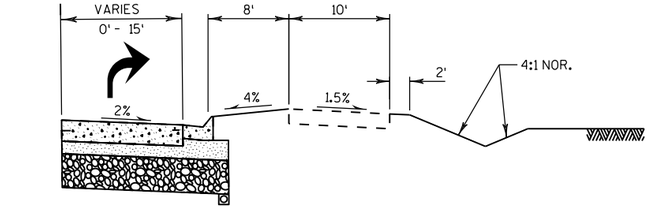
PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

NOTE:
SEE CROSS SECTIONS FOR DITCH INFORMATION

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTION: CTH H PROPOSED	SHEET 18	E

2





STA 235STHE+08 TO STA 240STHE+00

TYPICAL FINISHED SECTION

STH 11

STA 234STHE+00 TO STA 240STHE+00

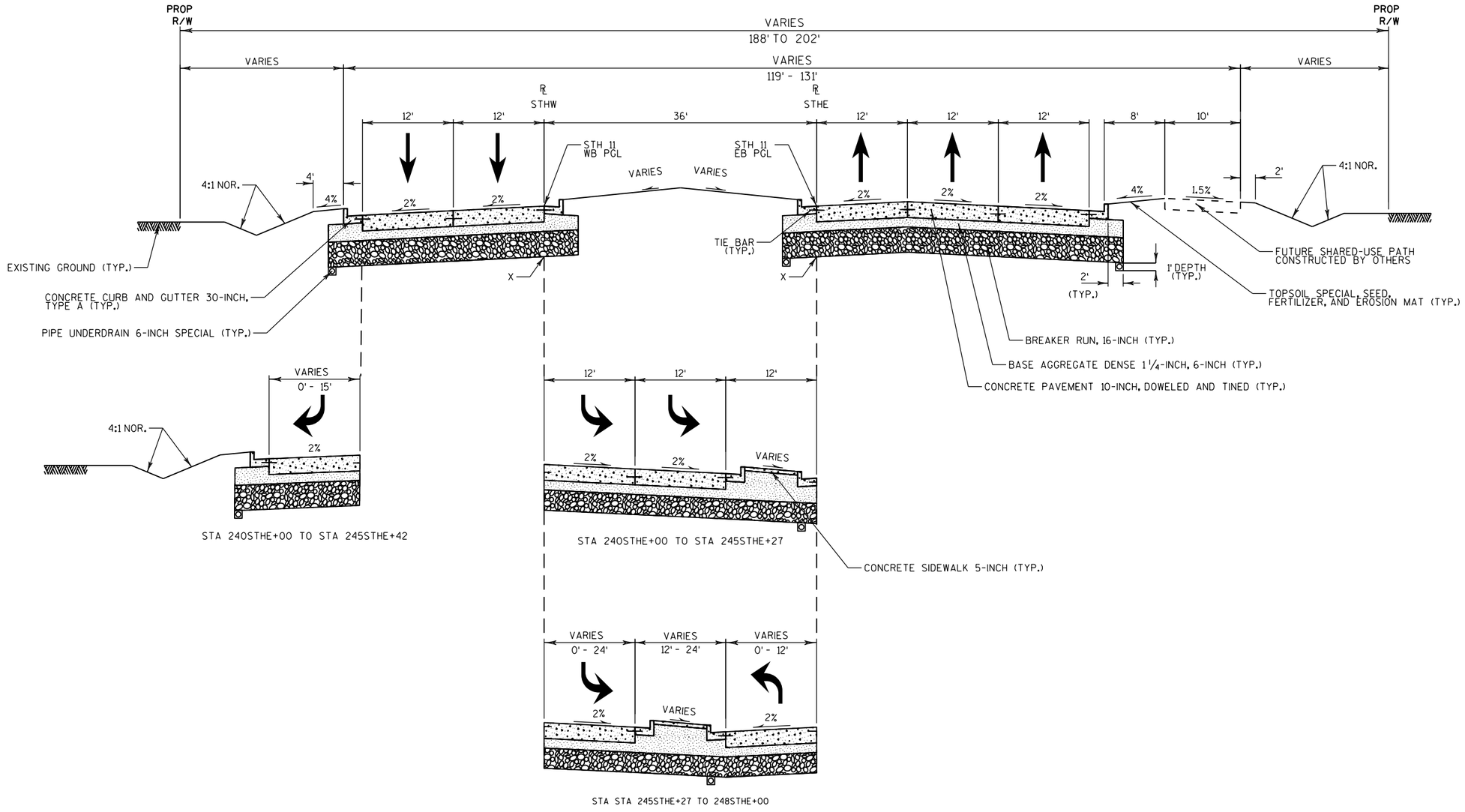
LEGEND

X = POINT REFERRED TO ON CROSS SECTION

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

NOTE:
SEE CROSS SECTIONS FOR DITCH INFORMATION

2



TYPICAL FINISHED SECTION

STH 11

STA 240STHE+00 TO STA 248STHE+00

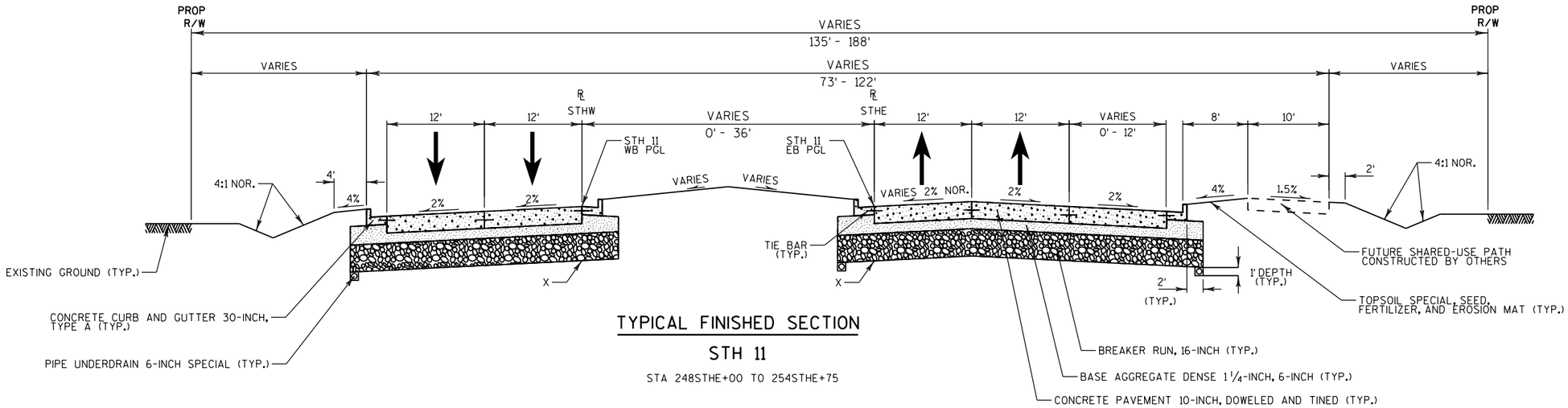
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X = POINT REFERRED TO ON CROSS SECTION

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

NOTE:
SEE CROSS SECTIONS FOR DITCH INFORMATION

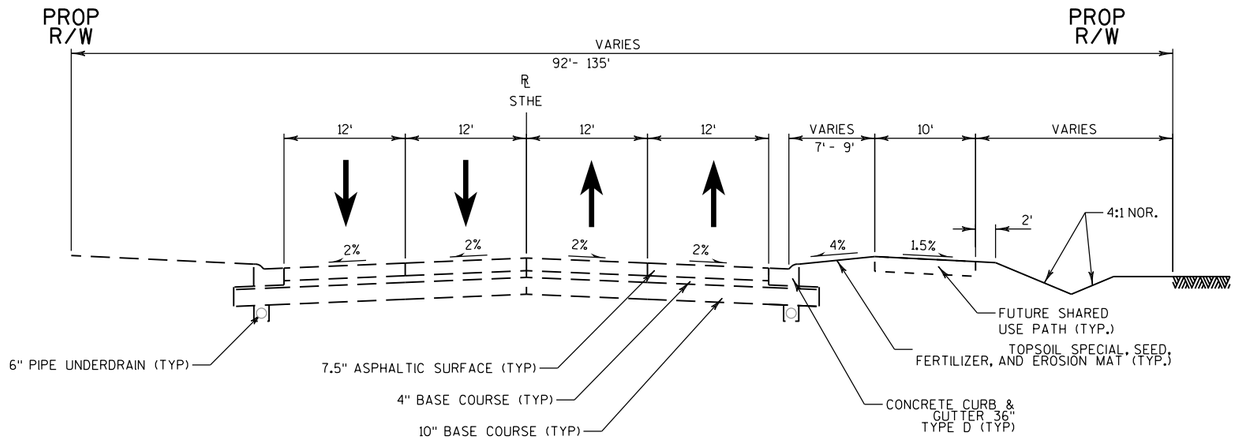
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS: STH 11 PROPOSED	SHEET 20	E



TYPICAL FINISHED SECTION

STH 11

STA 248STHE+00 TO 254STHE+75



TYPICAL FINISHED SECTION

STH 11 SHARED USE PATH

STA 254STHE+75 TO STA 260STHE+93

LEGEND

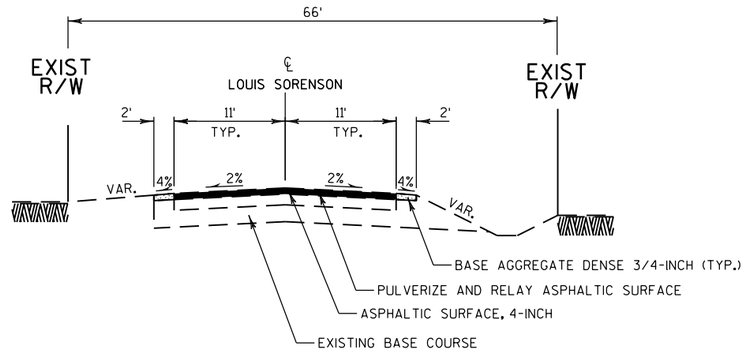
X = POINT REFERRED TO ON CROSS SECTION

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

NOTE:
SEE CROSS SECTIONS FOR DITCH INFORMATION

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS: STH 11 PROPOSED	SHEET 21	E

2



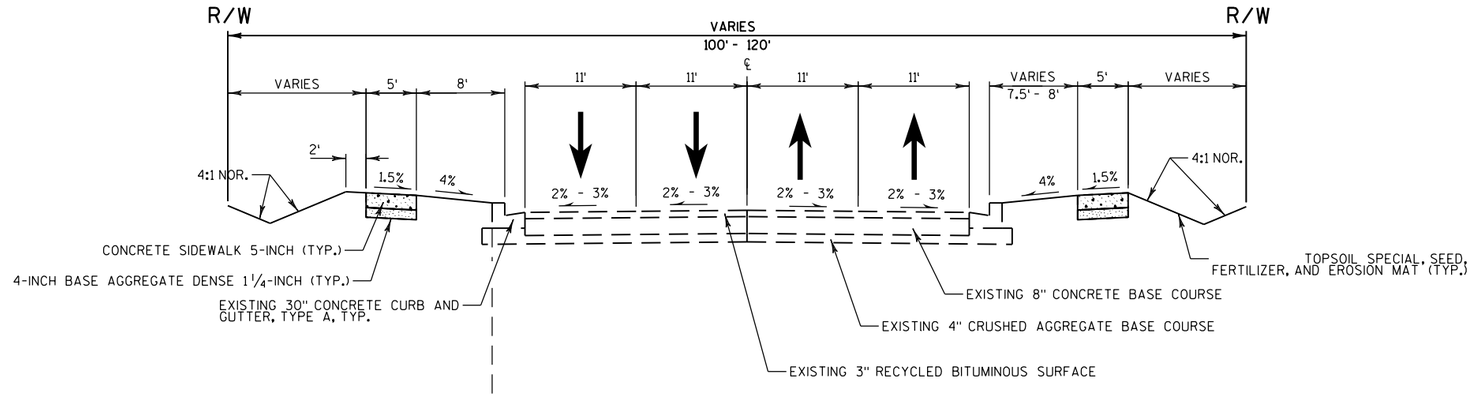
TYPICAL FINISHED SECTION

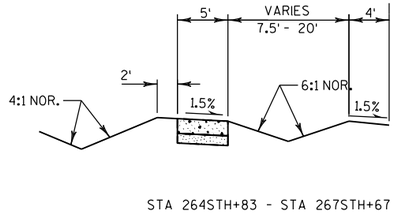
LOUIS SORENSON DRIVE

INTERNATIONAL DRIVE TO WEST ROAD

PROJECT NO: 3760-00-72	HWY: LOUIS SORENSON	COUNTY: RACINE	TYPICAL SECTIONS: LOUIS SORENSON PROPOSED	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 10/30/2019 04:13:58 PM PLOT BY : dbaumann PLOT NAME : $FILE$ PLOT SCALE : 15:1



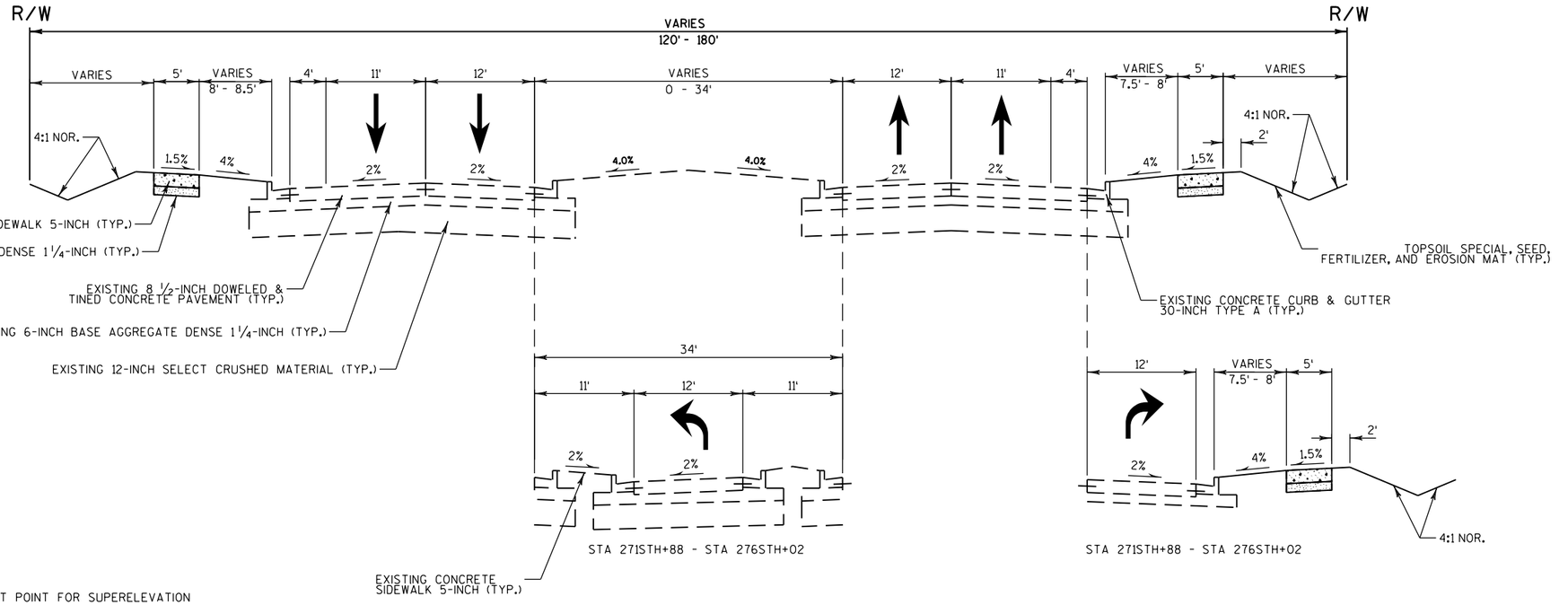


STA 264STH+83 - STA 267STH+67

TYPICAL FINISHED SECTION

STH 11 SIDEWALKS

STA 263STH+17 - STA 267STH+67



STA 271STH+88 - STA 276STH+02

STA 271STH+88 - STA 276STH+02

TYPICAL FINISHED SECTION

STH 11 SIDEWALKS

STA 267STH+67 - STA 276STH+02

LEGEND

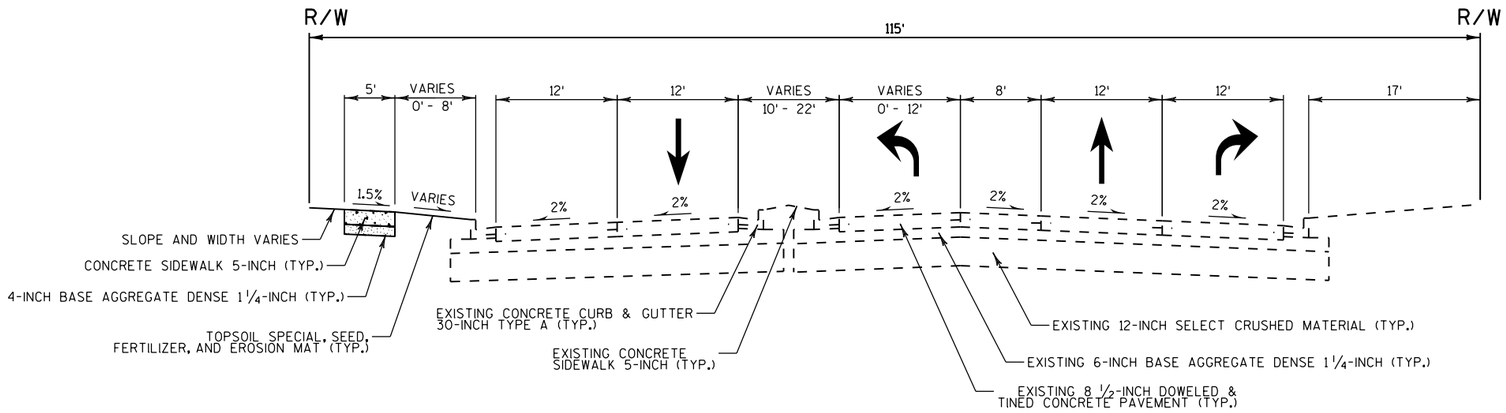
X = POINT REFERRED TO ON CROSS SECTION

PGL = POINT REFERRED TO ON PROFILE AND PIVOT POINT FOR SUPERELEVATION

NOTE:
SEE CROSS SECTIONS FOR DITCH INFORMATION

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS: STH 11 PROPOSED	SHEET 23	E

2

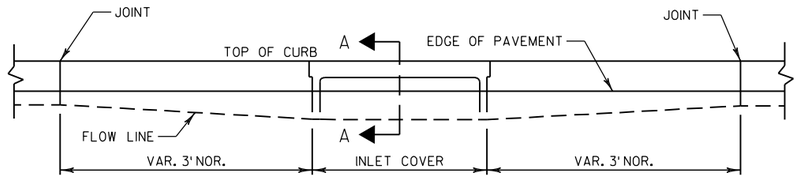


TYPICAL FINISHED SECTION

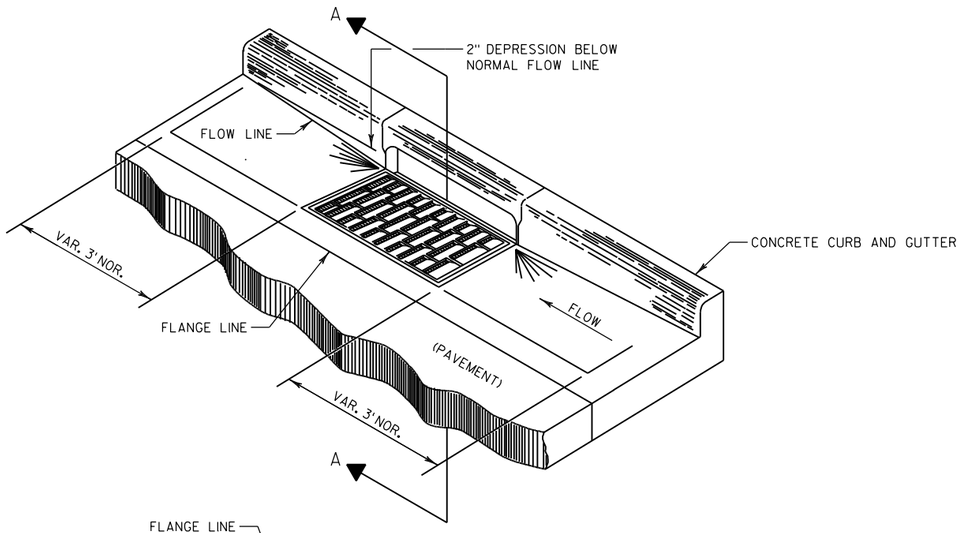
WILLOW ROAD

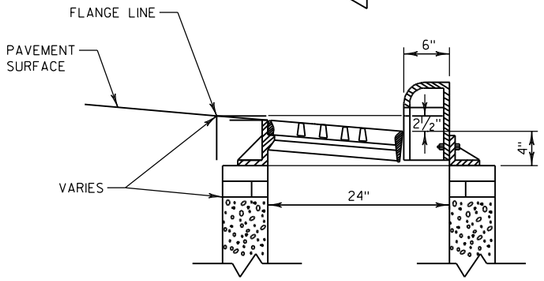
STA 97RD+43 TO STA 99RD+30

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS: STH 11 PROPOSED	SHEET 24	E



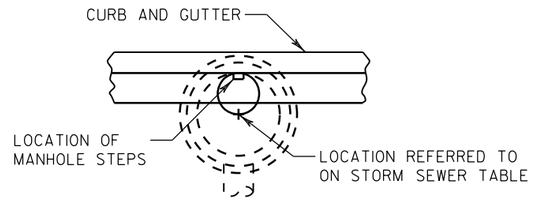
ELEVATION



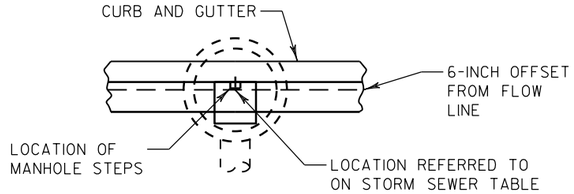


SECTION A-A

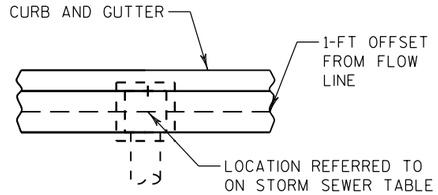
DETAIL OF CURB AND GUTTER AT INLETS



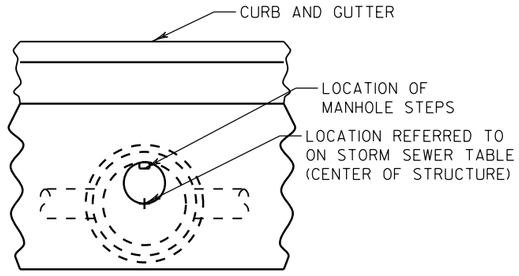
MANHOLE IN CURB AND GUTTER



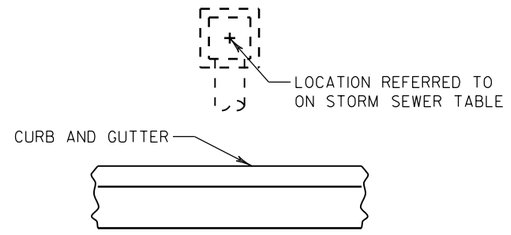
MANHOLE WITH INLET COVER
IN CURB AND GUTTER



INLET IN CURB AND GUTTER



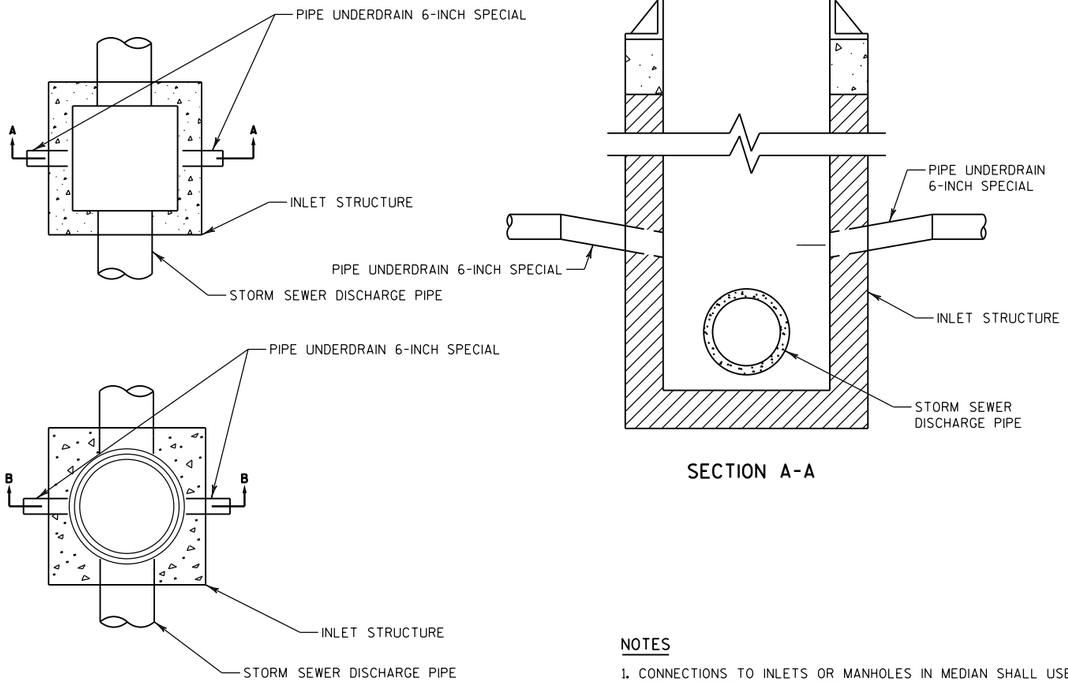
MANHOLE NOT IN CURB AND GUTTER



INLET NOT IN CURB AND GUTTER

NOTE
1) LOCATION OF STRUCTURE MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
2) LOCATION AND SIZE OF STRUCTURE COVER OPENING DEPENDS ON TYPE OF CASTING. CASTING TYPES ARE SHOWN ON THE STORM SEWER TABLE.

STRUCTURE LOCATION DETAIL



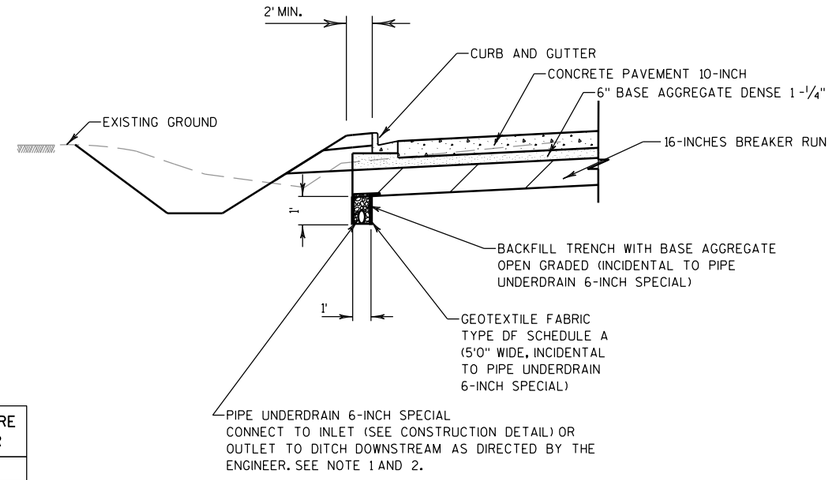
SECTION A-A

PLAN VIEW

UNDERDRAIN OUTFALL AT INLET

NOTES

1. CONNECTIONS TO INLETS OR MANHOLES IN MEDIAN SHALL USE PIPE UNDERDRAIN 6-INCH SPECIAL.
2. PROVIDE TWO 6" DIA. OPENINGS FOR UNDERDRAIN PIPE A MINIMUM OF 49" BELOW THE RIM ELEVATION.
3. SEE TYPICAL SECTIONS, STORM SEWER, AND UNDERDRAIN PLANS FOR PIPE UNDERDRAIN LOCATIONS.
3. CORE CONNECTION FOR THE INLET DRAIN IS INCIDENTAL TO PIPE UNDERDRAIN 6-INCH SPECIAL.



PIPE UNDERDRAIN IN URBAN SECTIONS

STRUCTURE NUMBER
864
864A
864B
864D
864E
864F
874
874A
874B
874E
880
880A
880C
880F
896A
896B
916
916A
916B
916C
920
920A
920B
921

NOTES:

1. PIPE UNDERDRAIN 6-INCH SPECIAL REQUIRED AT LOCATIONS WHERE UNDERDRAIN IS REQUIRED TO CONNECT TO DITCHES OUTSIDE THE EBS AREA.

2. PIPE UNDERDRAIN 6-INCH SPECIAL REQUIRED AT LOCATIONS WHERE UNDERDRAIN IS REQUIRED TO OUTFALL IN DITCHES ON THE OPPOSITE SIDE OF THE ROAD (SEE UNDERDRAIN LATERAL CROSSING OUTLET DETAIL)

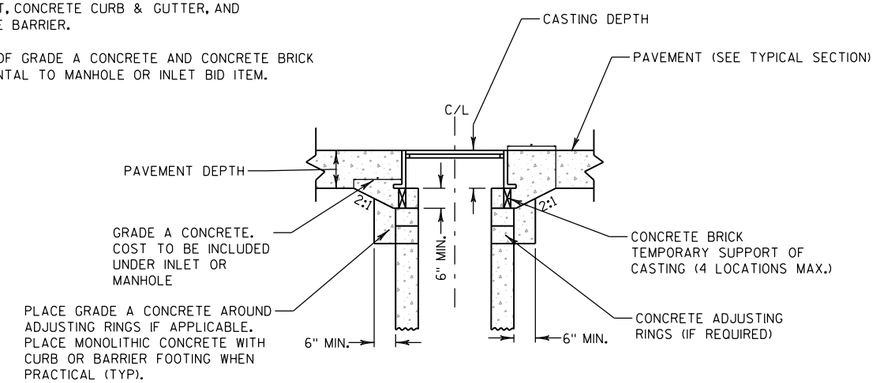
3. USE APRON ENDWALLS FOR UNDERDRAIN REINFORCED CONCRETE AT ALL DITCH OUTFALLS OF PIPE UNDERDRAIN.

4. ADJUST LATERAL LOCATION OF PIPE UNDERDRAIN AS NECESSARY TO AVOID CONFLICTS WITH THE STORM SEWER.

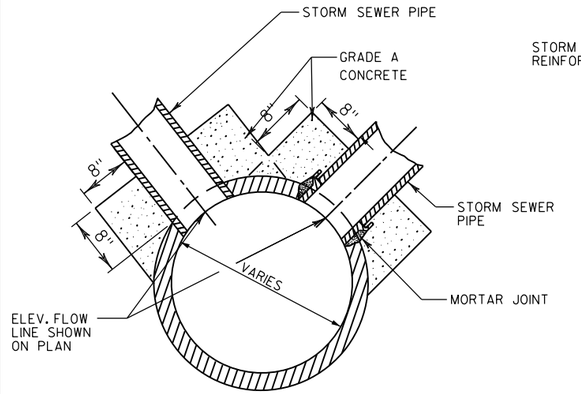
NOTE

1) MONOLITHIC CONCRETE SHIMMING TO BE PROVIDED FOR ALL PROPOSED COVERS LOCATED IN CONCRETE PAVEMENT, CONCRETE CURB & GUTTER, AND CONCRETE BARRIER.

2) COST OF GRADE A CONCRETE AND CONCRETE BRICK IS INCIDENTAL TO MANHOLE OR INLET BID ITEM.

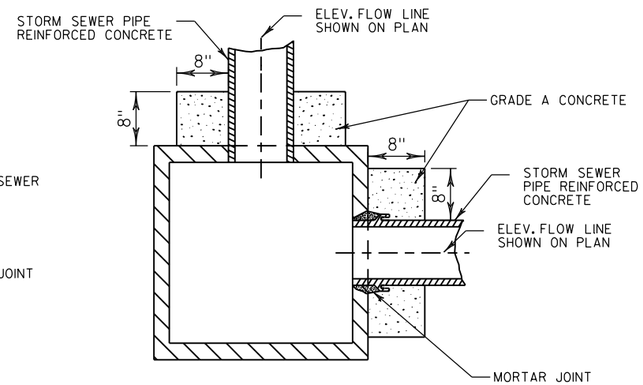


MONOLITHIC CONCRETE SHIMMING DETAIL



AT MANHOLE

INCIDENTAL TO NEW STRUCTURE AND NEW PIPE ITEMS



AT STORM SEWER INLET

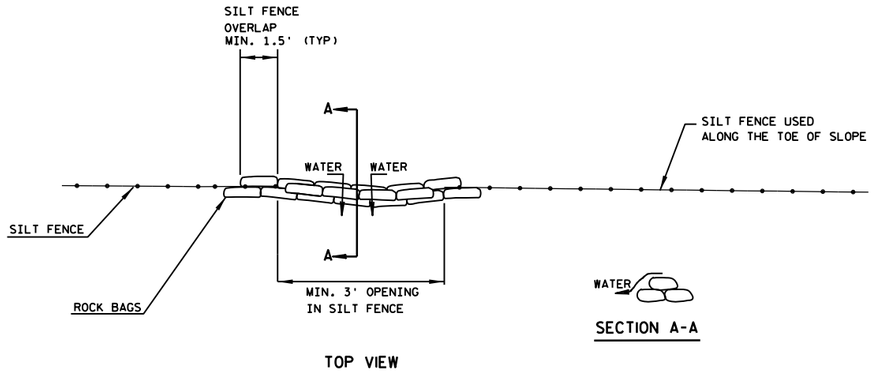
INCIDENTAL TO NEW STRUCTURE AND NEW PIPE ITEMS

NOTE

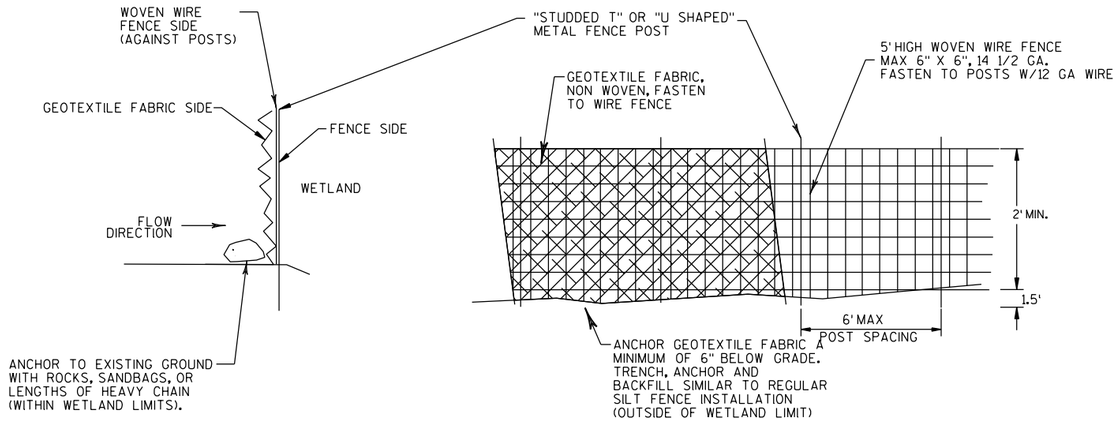
CONCRETE COLLAR TO BE PAID AS A BID ITEM WHEN CONNECTING AN EXISTING PIPE TO A NEW STRUCTURE.

CONCRETE COLLAR DETAIL

FOR LOCATIONS SEE MISCELLANEOUS QUANTITIES SHEETS



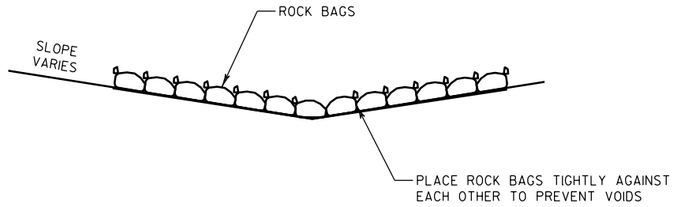
ROCK BAGS USED FOR SILT FENCE RELIEF DETAIL



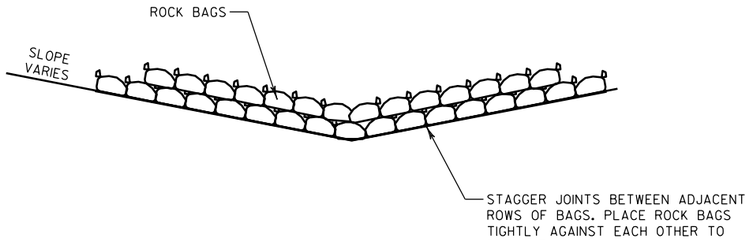
NOTE: ANCHOR MATERIAL INCIDENTAL
TO HEAVY DUTY SILT FENCE

HEAVY DUTY SILT FENCE

2

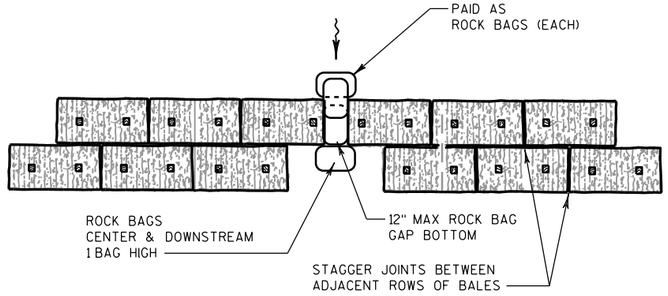


ROCK BAGS, SINGLE LAYER (SIDE VIEW)

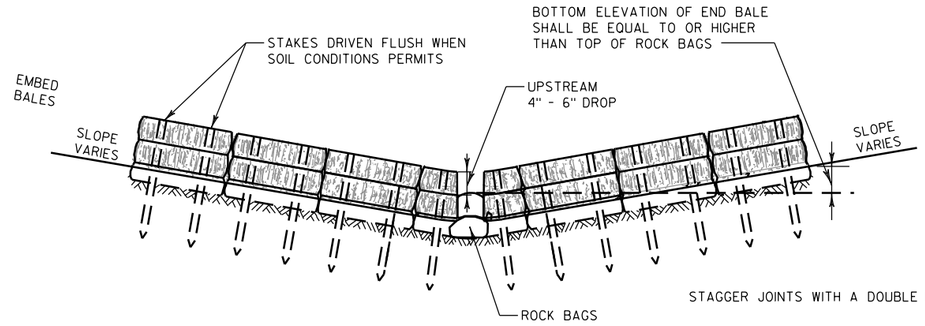


* LENGTH AND NUMBER OF BAGS MAY VARY DEPENDING ON DESIRED DEPTH OF WATER POOL.

ROCK BAGS, DOUBLE LAYER (SIDE VIEW)



EROSION BALES, MODIFIED (PLAN VIEW)



EROSION BALES, MODIFIED (FRONT VIEW)

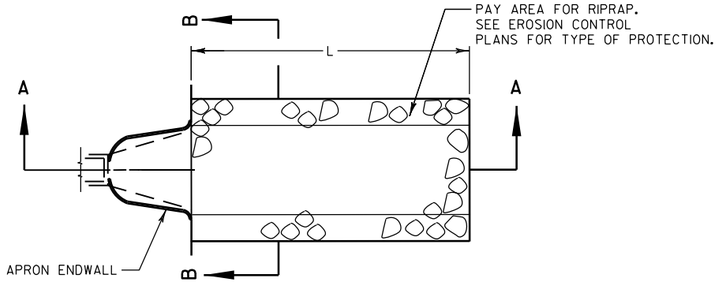
TEMPORARY DITCH CHECK
ALTERNATIVE CONSTRUCTION METHODS

NOTE

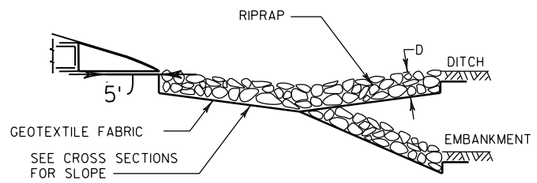
ALL ALTERNATIVE CONSTRUCTION METHODS ARE TO BE PAID FOR UNDER THE ITEM 628.7504 TEMPORARY DITCH CHECKS

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

THIS INSTALLATION METHOD SHALL ONLY BE USED AT THE DIRECTION OF THE ENGINEER.



PLAN VIEW



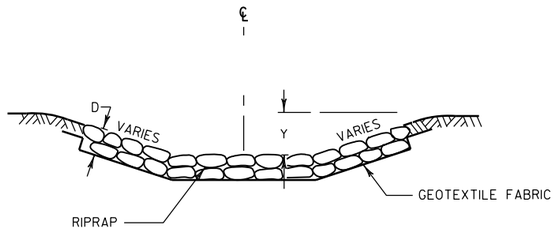
SECTION A-A

L = 3 x W (NOR) OR 10' MIN
OR AS INDICATED IN THE PLANS
OR AS DIRECTED BY THE ENGINEER

D = 12" FOR RIPRAP LIGHT
18" FOR RIPRAP MEDIUM
24" FOR RIPRAP HEAVY

X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

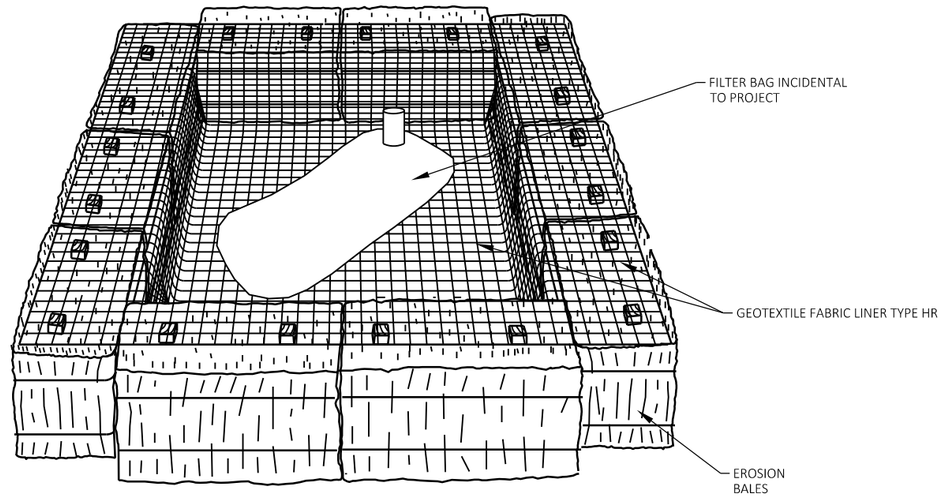
Y = 0' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
12" FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE



SECTION B-B

RIPRAP AND GEOTEXTILE FABRIC DETAIL AT APRON ENDWALLS

SEE EROSION CONTROL PLAN FOR LOCATIONS



(SIZE TO BE DETERMINED IN FIELD AS INDICATED BELOW:)

STORAGE VOLUME (C.F.) = 16 X GPM (PUMP RATE)

EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.

SOLUTION:
SV (C.F.) = 16 X 50
SV = 800 C.F.

$\frac{800 \text{ C.F.}}{1.5 \text{ FT.}}$ = 533 S.F.

USE A 20 FT. X 27 FT. BASIN

NOTES

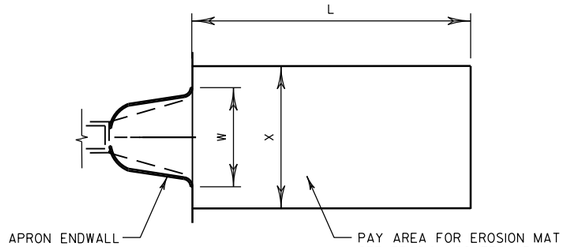
1) CONTRACTOR SHALL PUMP FROM DEWATERING OPERATIONS INTO TEMPORARY SETTLING BASINS PRIOR TO DISCHARGING INTO ROADSIDE DITCHES.

2) BASIN SHALL BE KEPT LESS THAN 10% FULL OF SEDIMENT. GEOTEXTILE FABRIC AND SEDIMENTS SHALL BE DISPOSED BY THE CONTRACTOR OFF OF THE PROJECT SITE.

3) TEMPORARY SETTLING BASIN SHALL BE PAID FOR AS EROSION BALES AND GEOTEXTILE FABRIC HR.

TEMPORARY SETTLING BASIN

UNDISTRIBUTED



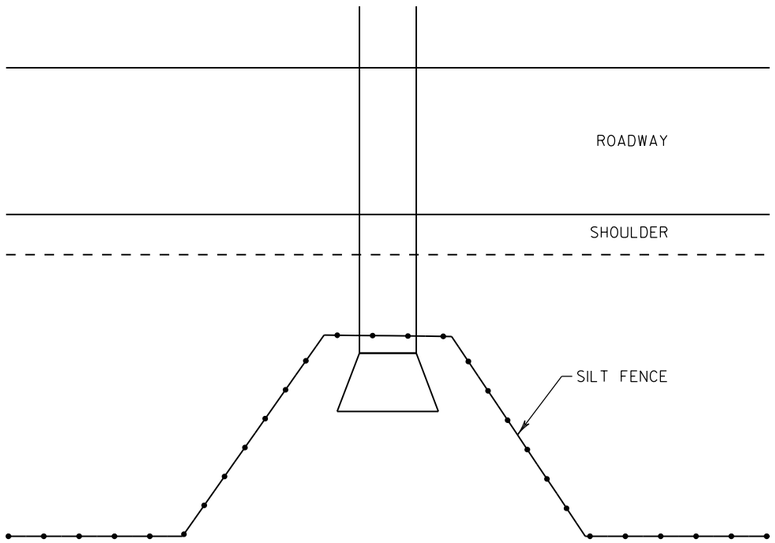
W = WIDTH OF APRON ENDWALL

L = 3 x W (NORMAL) OR 10' (MINIMUM) OR
AS INDICATED IN THE PLANS OR
AS DIRECTED BY THE ENGINEER.

X = W+2' FOR TYPICAL CULVERT
DISCHARGE INTO DITCH
W+5' FOR CULVERT DISCHARGE
DOWN EMBANKMENT SLOPE

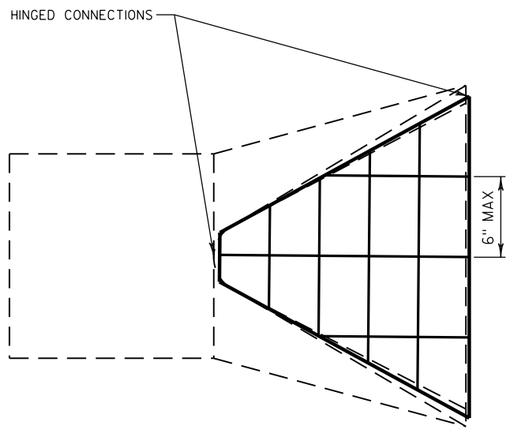
EROSION MAT TREATMENT AT CULVERTS

SEE EROSION CONTROL PLAN FOR LOCATIONS

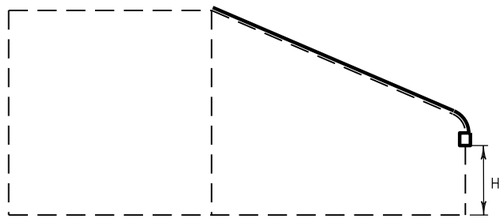


NOTE
SEE SILT FENCE SDD FOR ADDITIONAL INFORMATION.

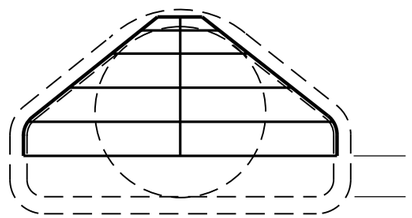
TYPICAL SILT FENCE DETAIL AT PIPE INLET



PLAN VIEW



SIDE VIEW



END VIEW

PIPE GRATE

GRATE CLEARANCE HEIGHT

ROUND PIPE		ARCH PIPE	
PIPE SIZE	H	PIPE SIZE	H
12"	2 1/2"	22" - 29"	4"
15"	3"	36" - 44"	5"
18" - 24"	4"	51" - 65"	6"
27" - 36"	5"	73" - 85"	7"
42" - 54"	6"		
60" - 72"	7"		
78" - 90"	8"		

GRATE BAR SIZES
(STANDARD DESIGN)

	PIPE SIZE	HOLE DIAMETER REQUIRED	BOLT DIAMETER	BAR SIZE
ROUND PIPE	12" - 24"	3/4"	5/8"	5/8"
	27" - 48"	7/8"	3/4"	3/4"
	54" - 90"	1 1/8"	1"	1"
ARCH PIPE	22" - 29"	3/4"	5/8"	5/8"
	36" - 59"	7/8"	3/4"	3/4"
	65" - 85"	1 1/8"	1"	1"

BOLT LENGTH = PIPE WALL THICKNESS + 2 1/2"

2

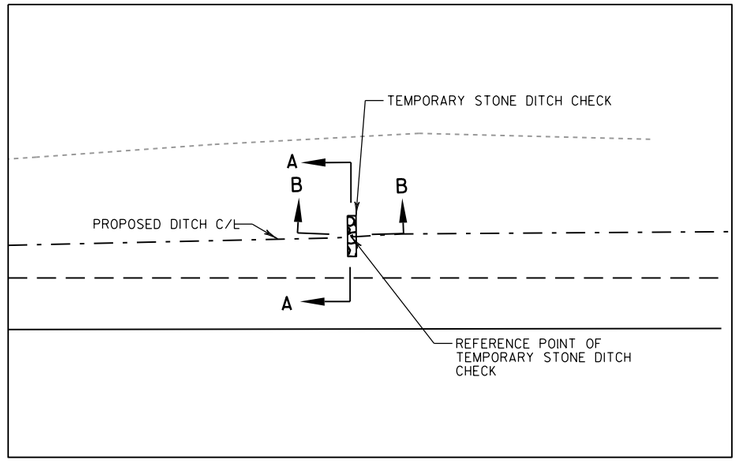
GENERAL NOTES

STONE DITCH CHECKS MUST BE INSTALLED WITH THE CENTER LOWER THAN THE SIDES FORMING A WEIR (SEE SECTION A-A).

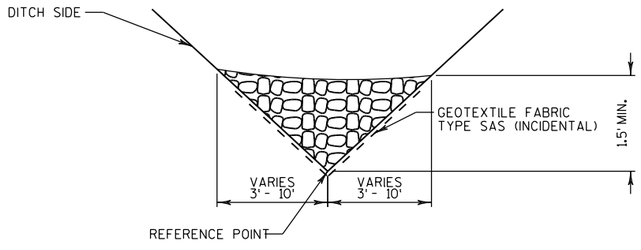
STONE DITCH CHECKS SHALL HAVE A MINIMUM TOP WIDTH OF 2-FT MEASURED IN THE DIRECTION OF FLOW WITH MAXIMUM SLOPES OF 2:1 ON THE UPSLOPE AND 2:1 ON THE DOWN SLOPE SIDE.

STONE DITCH CHECKS SHALL BE CONSTRUCTED OF A WELL-GRADED LIGHT RIPRAP MATERIAL.

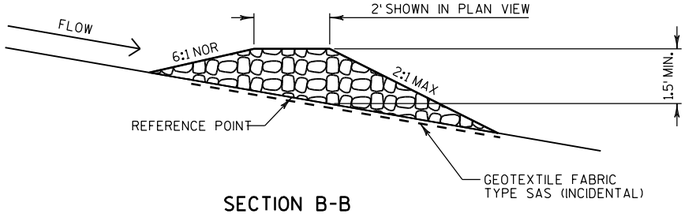
STONE DITCH CHECKS IDENTIFIED IN STORM SEWER PLAN ARE PERMANENT AND SHALL NOT BE REMOVED UPON COMPLETION OF CONSTRUCTION.



PLAN VIEW

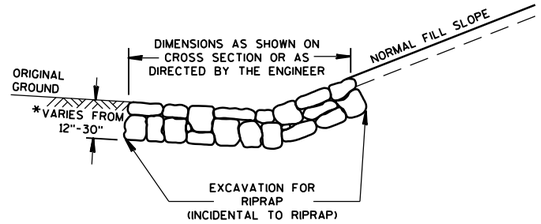


SECTION A-A



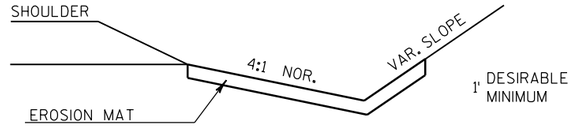
SECTION B-B

TEMPORARY STONE DITCH CHECKS



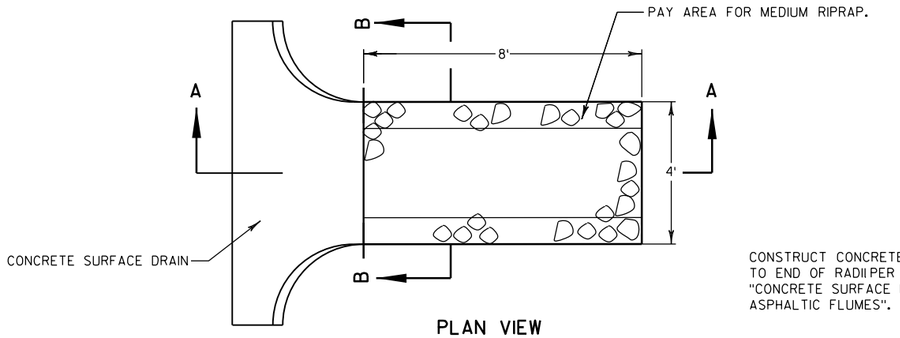
DETAIL FOR RIPRAP IN DITCHES

* PROVIDE DEPTHS AND VARIOUS RIPRAP SIZES IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS.



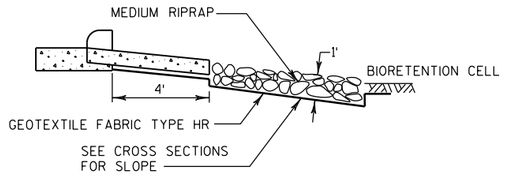
EROSION MAT DETAIL FOR DITCHES

2

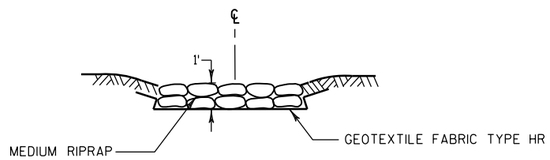


PLAN VIEW

CONSTRUCT CONCRETE SURFACE DRAIN TO END OF RADII PER SDD 8D4 "CONCRETE SURFACE DRAINS AND ASPHALTIC FLUMES".



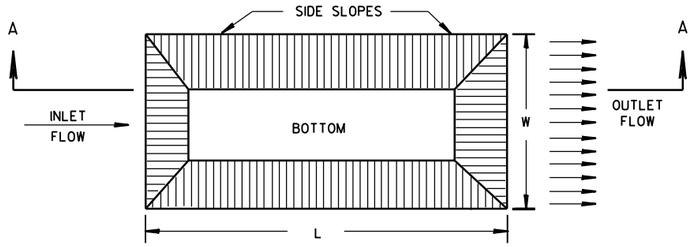
SECTION A-A



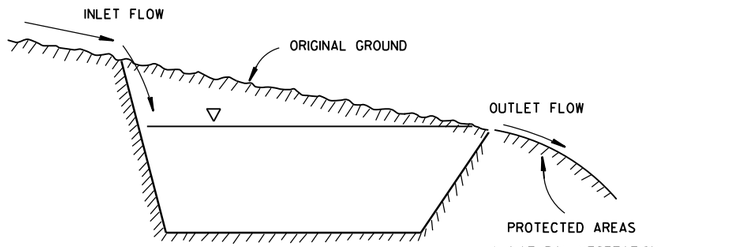
SECTION B-B

RIPRAP AND GEOTEXTILE FABRIC DETAIL AT CONCRETE SURFACE DRAIN

SEE PLAN DETAILS FOR LOCATIONS



PLAN VIEW



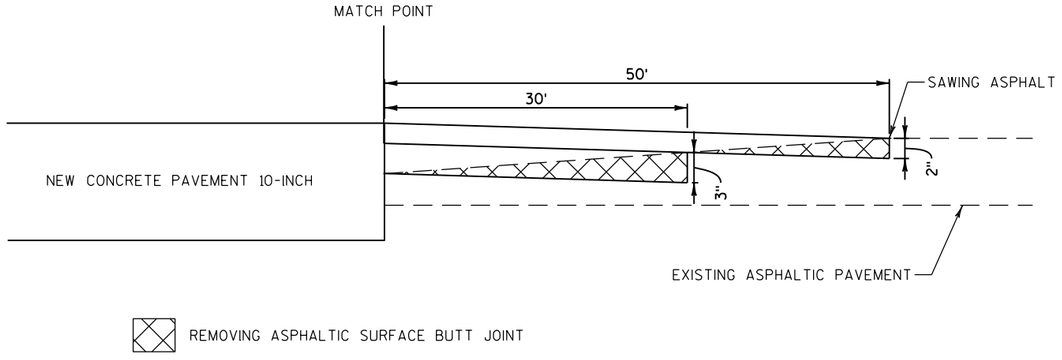
SECTION A-A

TYPICAL SEDIMENT TRAP

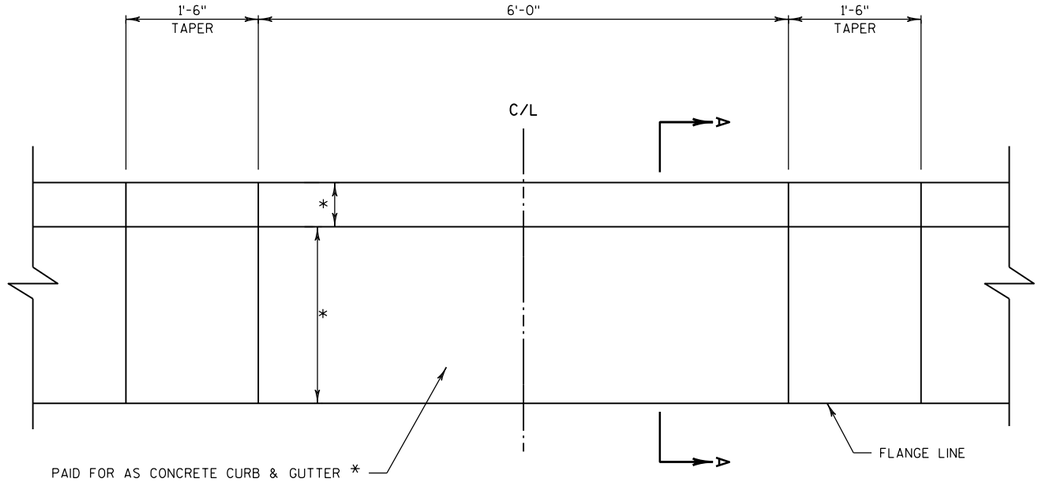
NOTES

CONTRACTOR TO PROVIDE A 10' WIDE TEMPORARY ASPHALTIC WEDGE ADJACENT TO MILLED BUTT JOINT AT ALL STREETS WHERE TRAFFIC IS TO BE MAINTAINED DURING CONSTRUCTION.

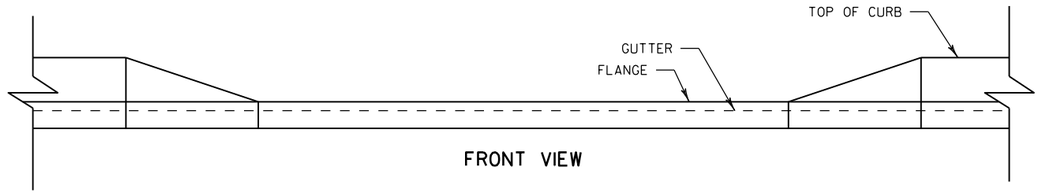
THE TEMPORARY ASPHALTIC WEDGE WILL BE CONSIDERED INCIDENTAL TO THE ITEM "REMOVING ASPHALTIC SURFACE, BUTT JOINTS."



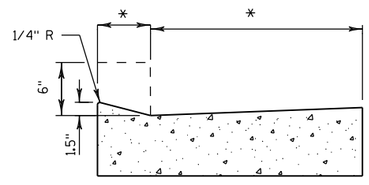
BUTT JOINT DETAIL



PLAN VIEW



FRONT VIEW



SECTION A-A

* TYPE AND DIMENSIONS TO MATCH ADJACENT CURB AND GUTTER.

MAINTENANCE OPENING

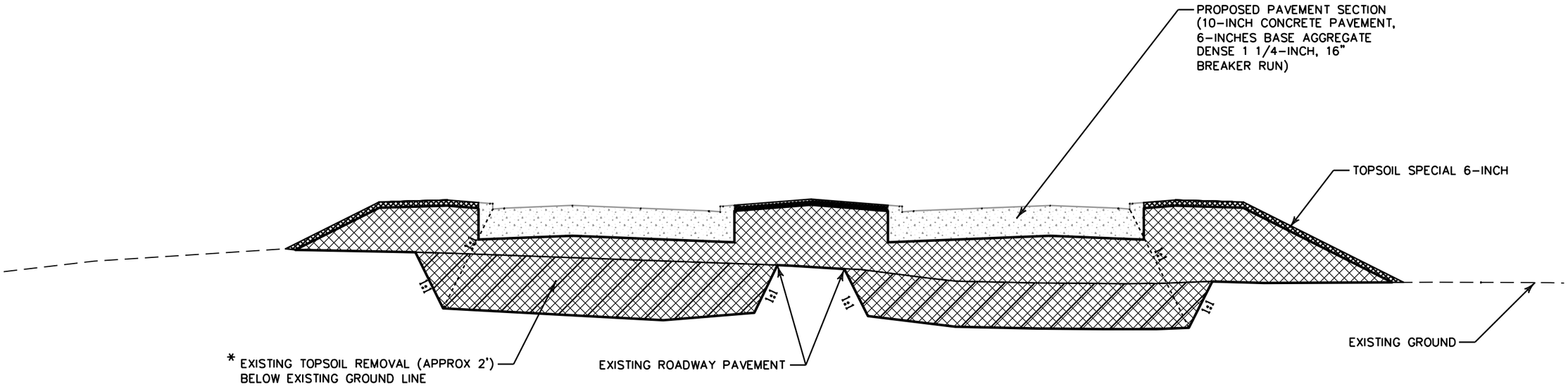
LOCATIONS SHOWN ON PLAN DETAILS

PROJECT NO: 1320-23-71/3760-00-71	HWY: STH 11/CTH H	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 34	E

LEGEND:

ROADWAY EMBANKMENT LIMITS

TOPSOIL REMOVAL



TOPSOIL REMOVAL DETAIL

* INCREASE TOPSOIL REMOVAL DEPTH TO 3'FROM 885HN+00 - 908HN+00

NOTES:

STRIP TOPSOIL PER DETAIL AS REQUIRED FOR ROADWAY CONSTRUCTION. PAYMENT SHALL BE UNDER THE ITEM FOR EXCAVATION COMMON.

LOCATIONS REQUIRING EXCAVATION GREATER THAN 2 FEET SHALL BE APPROVED BY THE ENGINEER AND PAID UNDER THE ITEM FOR EXCAVATION COMMON.

BACKFILL EXCAVATION WITH THE ITEM FOR ROADWAY EMBANKEMENT.

TOPSOIL SPECIAL PLACEMENT DEPTH MAY BE INCREASED TO 12 INCHES OR AS APPROVED BY THE ENGINEER TO UTILIZE EXCESS TOPSOIL. TOPSOIL PLACED WITH A THICKNESS GREATER THAN 6 INCHES SHALL BE PAID FOR UNDER THE ITEM FOR ROADWAY EMBANKMENT.

NOTIFY THE ENGINEER BEFORE EXCAVATING TO A DEPTH GREATER THAN WHAT WAS SHOWN IN THE PLANS.

SEE EBS EXCAVTION DETAIL FOR PAY LIMITS OF EBS EXCAVATION AND EBS BACKFILL.

2

HN+55.00
34.24'LT
EL: 736.31

HN+55.00
25.00'LT
EL: 736.40

HN+55.00
2.00'LT
EL: 736.74

MATCH EXISTING
FLANGE LINE

736.71

736.90

737.05

737.38

737.27

737.35

ADJUST MANHOLE RIM
TO MATCH FINISHED ELEVATION

737.61

HN+98.32
90.00'LT
EL: 737.89

ENTERPRISE WAY
EXISTING C/L

CTH H

927HN

R/L CTH H NB

HN+79.77
90.00'LT
EL: 737.72

737.71

737.58

737.45

HN+79.86
2.00'LT
EL: 736.99

ENTERPRISE WAY

ENTERPRISE DRIVE

REMOVING ASPHALTIC SURFACE

737.26

737.16

HN+62.17
90.00'LT
EL: 737.45

737.27

737.35

HN+54.73
62.36'LT
EL: 737.16

737.05

MATCH EXISTING
FLANGE LINE

CTH H

736.96

737.08

HN+20.00
25.00'LT
EL: 736.94

HN+20.00
35.15'LT
EL: 736.92

HN+20.00
2.00'LT
EL: 736.98

LEGEND

X X X SAWING ASPHALT

ASPHALTIC SURFACE, FULL DEPTH REPLACEMENT

PROPOSED FLOW ARROW

ENTERPRISE WAY ASPHALT REPAIR

NOTE:

PROPOSED GRADES ARE SHOWN AT 25'INTERVALS OFF OF CTH H NB ALIGNMENT.

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\10.15x22_20210401.dgn PLOT DATE : 10/15/2021 11:44:01 AM PLOT BY : jdepies PLOT NAME : $FILE$ PLOT SCALE : 15:1

WISDOT/CADDS SHEET 42

2

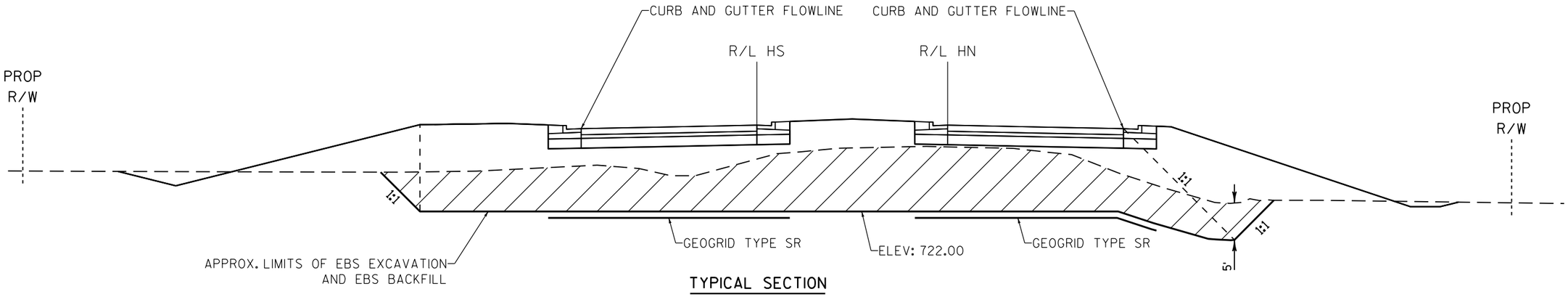
APPROXIMATE DEPTHS OF EBS EXCAVATION

BEGIN STA	END STA	ESTIMATED REMOVAL DEPTH (FEET)	REMOVE TO ESTIMATED ELEVATION
864+75	866+75	5	722
873HS+25	875HS+00	5	720
873HN+00	874HN+50	7.5	723
885+00	908+00	3	--

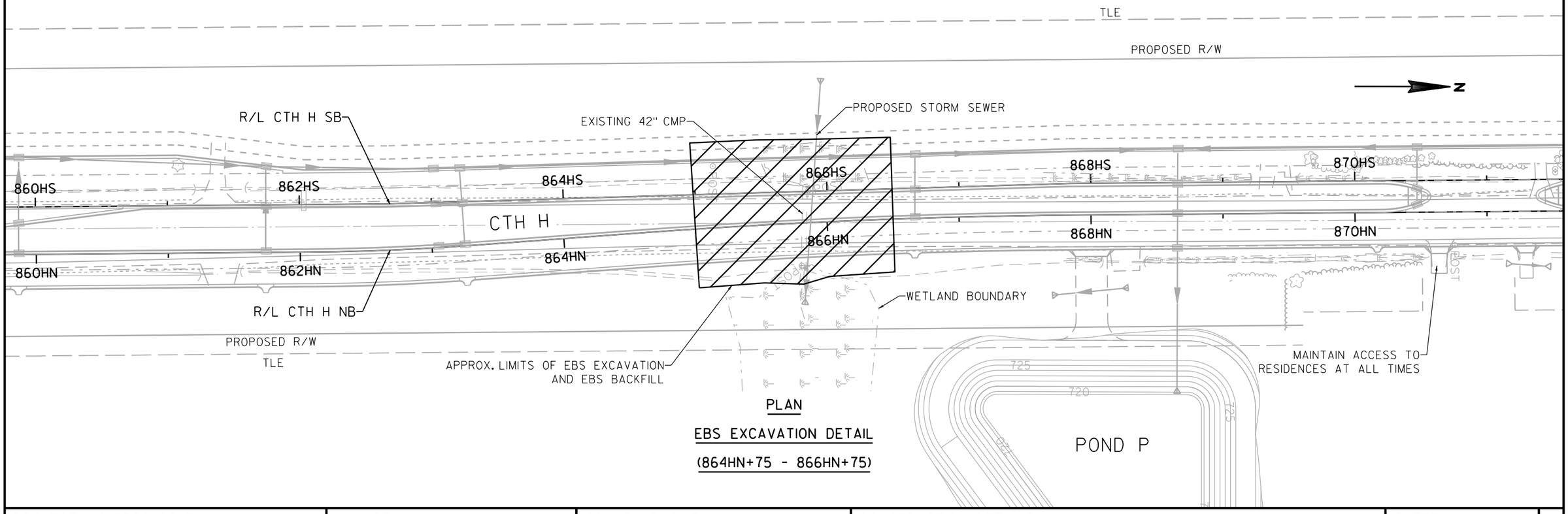
NOTE: STATIONS OUTSIDE LISTED LIMITS SHOULD EXCAVATE MINIMUM 2 FEET TO ESTIMATED SUITABLE SUBGRADE

WITHIN LIMITS LISTED, EXCAVATE AT THE DIRECTION OF THE WISDOT FIELD ENGINEER.

SEE CTH H CROSS SECTIONS FOR ADDITIONAL INFORMATION.



TYPICAL SECTION



PLAN

EBS EXCAVATION DETAIL

(864HN+75 - 866HN+75)

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 37	E

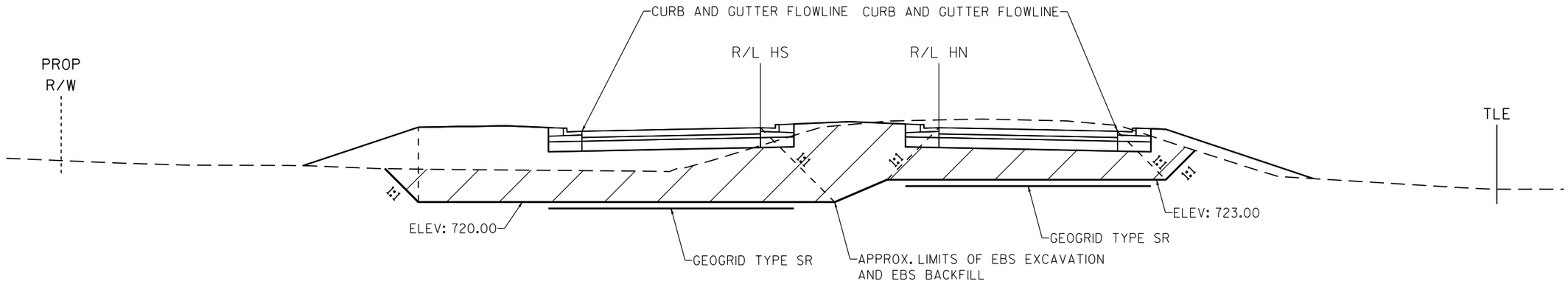
APPROXIMATE DEPTHS OF EBS EXCAVATION

BEGIN STA	END STA	ESTIMATED REMOVAL DEPTH (FEET)	REMOVE TO ESTIMATED ELEVATION
864+75	866+75	5	722
873HS+25	875HS+00	5	720
873HN+00	874HN+50	7.5	723
885+00	908+00	3	--

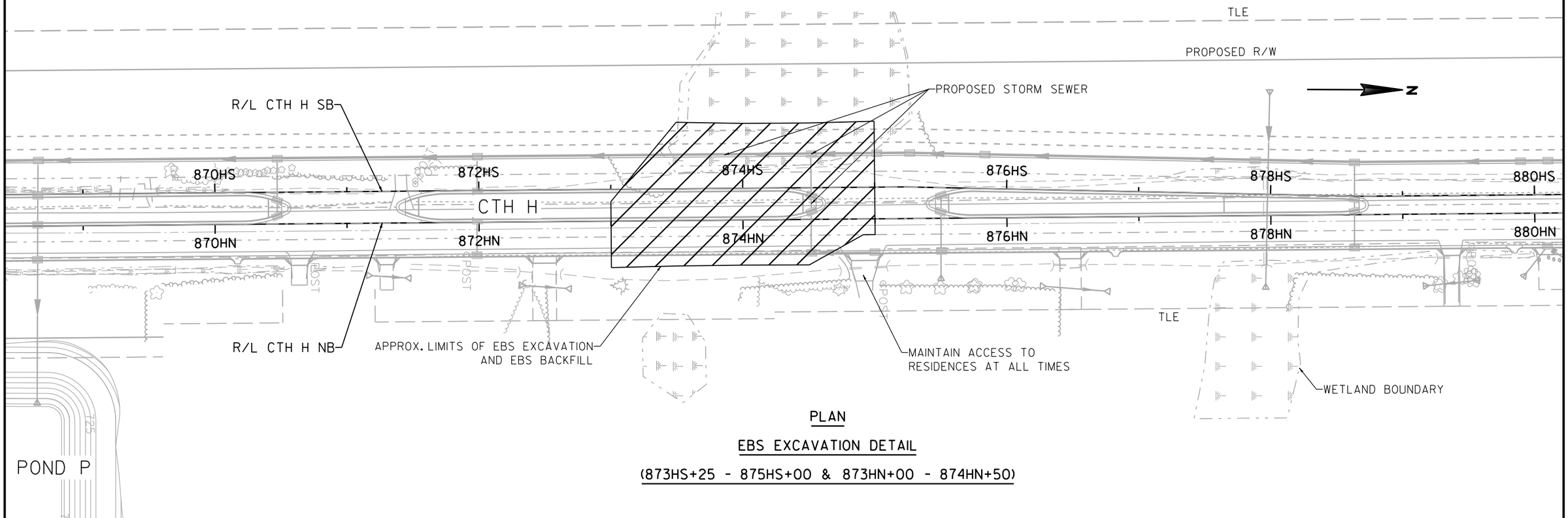
NOTE: STATIONS OUTSIDE LISTED LIMITS SHOULD EXCAVATE MINIMUM 2 FEET TO ESTIMATED SUITABLE SUBGRADE.

WITHIN LIMITS LISTED, EXCAVATE AT THE DIRECTION OF THE WISDOT FIELD ENGINEER.

SEE CTH H CROSS SECTIONS FOR ADDITIONAL INFORMATION.



TYPICAL SECTION



PLAN

EBS EXCAVATION DETAIL

(873HS+25 - 875HS+00 & 873HN+00 - 874HN+50)

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CONSTRUCTION DETAILS	SHEET 38	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 12/28/2021 PLOT BY : jdepies PLOT NAME : $FILE$ PLOT SCALE : 75:1

LEGEND

HAUL ROUTE

NOTES

1) ROUTES REPRESENT TRIPS TO AND FROM CONSTRUCTION SITE
2) ALL HAUL ROUTES ARE SUBJECT TO CHANGE

CTH C
STH 20
CTH V
FANCHER ROAD
N
51ST DRIVE
IH 94
EAST FRONTAGE ROAD
56TH ROAD
LOUIS SORENSON ROAD
INTERNATIONAL DRIVE
CTH H
105TH STREET
EA
58TH ROAD
58TH ROAD
56TH ROAD
STH 11
DURAND AVENUE
STH 11
DURAND AVENUE
WEST FRONTAGE ROAD
EAST FRONTAGE ROAD
AREA 2
BRAUN ROAD
BRAUN ROAD
BRAUN ROAD
WEST FRONTAGE ROAD
IH 94
AREA 1
AREA 3
57ST DRIVE
CTH KR
CTH KR
144TH AVENUE
WEST FRONTAGE ROAD
EAST FRONTAGE ROAD
100TH AVENUE
CTH H
88TH AVE
7TH ST
7TH ST
7TH ST
7TH ST
31
136TH AVENUE
CTH E
12TH STREET
CTH E
12TH STREET
100TH AVENUE
CTH H
88TH AVE

PROJECT NO: 1320-23-71/3760-00-71	HWY: STH 11/CTH H	COUNTY: RACINE	CONSTRUCTION DETAILS: HAUL ROUTES	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlotFiles\11x23_2023005.ctb PLOT DATE : 11/28/2023 5:00:56 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 3200:1

2

N

UNFI DRIVEWAY

889HN+01.05
58.00' LT
737.39

889HN+93.85
58.00' LT
737.70

889HN+83.85
58.00' LT
738.85

890HN+43.96
58.00' LT
737.34

890HN+09.53
58.00' LT
737.23

890HN+52.44
58.00' LT
737.39

890HN+59.64
58.00' LT
737.60

890HN+69.64
58.00' LT
737.75

1.5%
1.5%
1.5%
4.3%
4.3%
1.3%
10.4%
737.31
737.34
737.41
0.6%
2.9%
5.0%
1.5%
1.5%
1.5%
737.44

TYPE 4B1 - MODIFIED

889HN+83.85
48.00' LT
737.70

889HN+93.85
48.00' LT
737.55

890HN+04.52
48.00' LT
737.26

890HN+01.05
48.00' LT
737.29

890HN+48.98
48.00' LT
737.36

890HN+59.64
48.00' LT
737.75

890HN+99.64
48.00' LT
737.90

890HN+52.44
48.00' LT
737.39

889HS

890HS

891HS

R/L CTH H SB

CTH H

889HN

890HN

R/L CTH H NB

891HN

NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 40	E

2UNFI

UNFI DRIVEWAY

3UNFI

R/L UNFI

N

896HN+04.65
71.14' LT
735.48

895HN+97.77
71.06' LT
735.93

895HN+87.92
70.58' LT
736.08

896HN+14.66
71.27' LT
735.37

735.45

735.36

TYPE 4B1 - MODIFIED

896HN+08.44
61.19' LT
735.28

895HN+88.00
60.50' LT
735.93

895HN+97.87
61.06' LT
735.78

896HN+04.76
61.14' LT
735.33

4UNFI

896HN+83.44
72.73' LT
736.06

896HN+77.84
72.58' LT
735.93

896HN+60.19
72.13' LT
735.84

735.92

735.95

896HN+93.28
73.02' LT
736.21

896HN+93.58
63.03' LT
736.36

896HN+83.72
62.74' LT
736.21

895HN+72.87
62.43' LT
735.87

895HN+78.10
62.58' LT
735.93

895HS

896HS

897HS

R/L CTH H SB

CTH H

895HN

896HN

897HN

R/L CTH H NB

NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 41	E

2

N

UNFI DRIVEWAY

900HN+62.40
85.94' LT
739.12

900HN+55.92
85.71' LT
739.29

900HN+45.93
85.36' LT
739.44

900HN+75.72
86.41' LT
738.94

901HN+19.34
87.38' LT
739.22

901HN+33.15
87.97' LT
739.36

901HN+39.69
88.23' LT
739.50

901HN+49.87
88.62' LT
739.65

1.5%
1.5%
1.5%
2.6%
5.0%
1.4%
739.02
739.15
TYPE 4B1 - MODIFIED
739.30
739.52
1.1%
2.2%
0%
4.5%
1.5%
1.5%
1.5%

900HN+46.28
75.37' LT
739.59

900HN+67.09
76.10' LT
739.07

900HN+56.27
75.72' LT
739.44

900HN+62.75
75.95' LT
739.12

901HN+29.09
77.79' LT
739.44

901HN+50.25
78.63' LT
739.80

901HN+40.09
78.24' LT
739.65

901HN+33.58
77.97' LT
739.36

900HS

901HS

R/L CTH H SB

902HS

CTH H

900HN

R/L CTH H NB

901HN

902HN

NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2021 12:59:30 PM

PLOT BY : jdepies PLOT NAME : PLOT SCALE : 10:1

NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

N

R/L STH 11 EB

R/L STH 11 WB

STH 11

239STHE

239STHW

907HN+94.28
104.90' LT
744.33

907HN+85.88
110.32' LT
744.48

907HN+80.75
103.92' LT
744.36

907HN+99.30
102.46' LT
744.05

908HN+01.53
101.38' LT
744.02

907HN+87.87
96.89' LT
744.21

907HN+95.41
93.24' LT
743.92

TYPE 3 - MODIFIED

908HN+21.22
91.83' LT
744.58

908HN+23.86
90.55' LT
744.61

908HN+26.85
89.10' LT
744.71

908HN+28.88
88.12' LT
744.74

908HN+32.87
87.93' LT
744.80

908HN+38.34
87.67' LT
744.67

908HN+38.35
77.66' LT
744.60

908HN+36.87
77.73' LT
744.61

908HN+32.40
77.94' LT
744.68

908HN+31.83
65.00' LT
744.38

908HN+22.48
80.11' LT
744.47

908HN+22.48
80.11' LT
744.56

908HN+22.41
78.38' LT
744.53

908HN+21.89
66.44' LT
744.25

908HN+21.82
65.00' LT
744.24

TYPE 6 - MODIFIED

908HN+82.88
85.56' LT
745.13

908HN+82.64
75.56' LT
745.04

908HN+90.87
85.18' LT
745.25

908HN+90.63
75.18' LT
745.15

TYPE 5 - MODIFIED

909HN+85.30
120.18' LT
744.26

909HN+93.47
125.95' LT
744.38

909HN+98.81
119.81' LT
744.30

909HN+80.16
113.67' LT
743.99

909HN+91.98
112.51' LT
744.15

909HN+88.33
107.88' LT
743.75

909HN+87.01
106.21' LT
743.72

TYPE 3 - MODIFIED

909HN+59.20
87.10' LT
744.64

909HN+55.31
82.16' LT
744.82

909HN+53.64
82.24' LT
744.84

909HN+46.65
82.56' LT
744.72

909HN+46.43
72.56' LT
744.62

909HN+53.18
72.25' LT
744.75

909HN+52.66
64.01' LT
744.33

909HN+52.53
62.14' LT
744.32

909HN+69.73
84.31' LT
744.43

909HN+66.38
80.05' LT
744.50

909HN+63.47
76.37' LT
744.67

909HN+63.16
71.61' LT
744.60

909HN+62.57
62.37' LT
744.10

TYPE 6 - MODIFIED

908HS

909HS

910HS

R/L CTH H SB

CTH H

240STHE

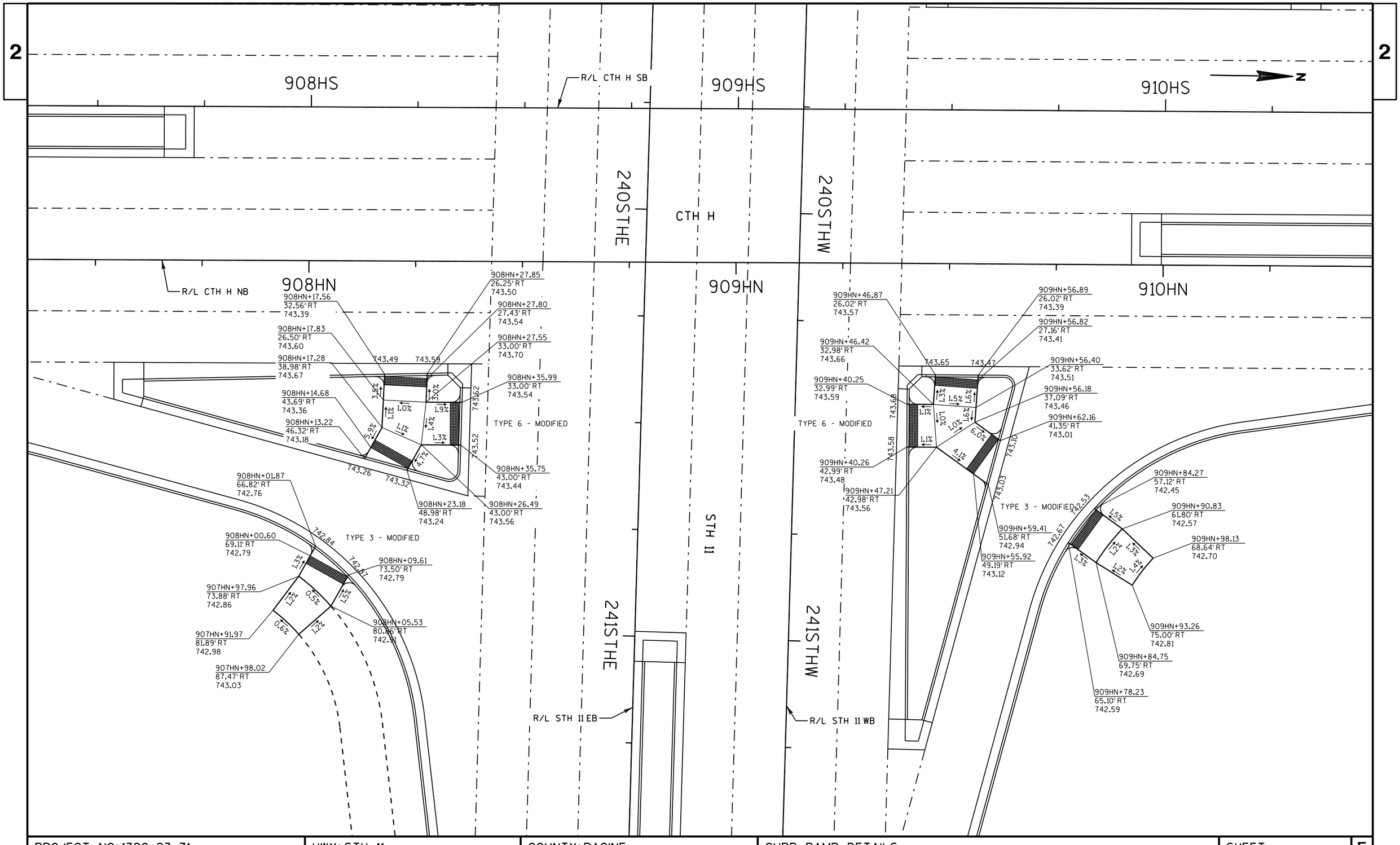
240STHW

908HN

909HN

910HN

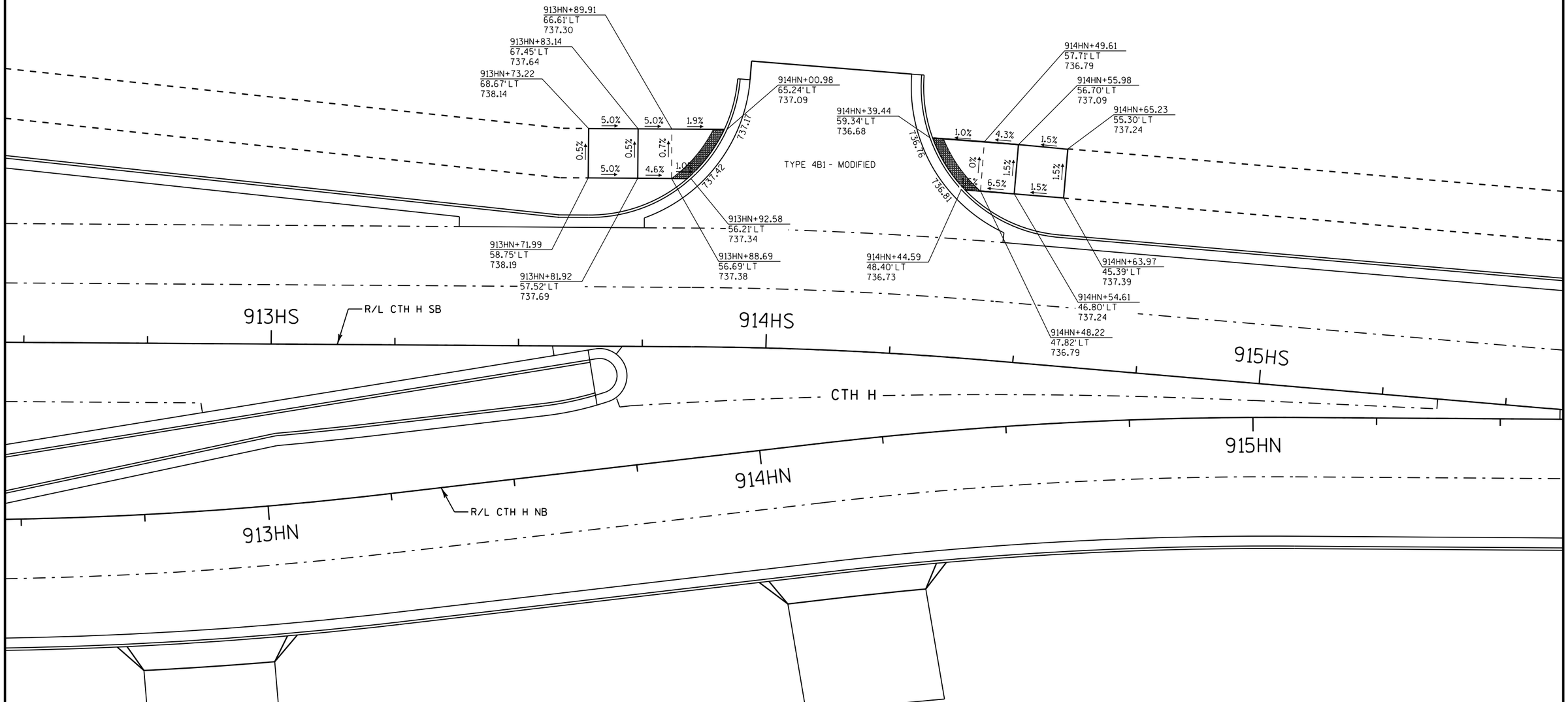
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 43	E



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 44	E

NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_NOT_Design\Sheets\20012559-sht.dgn PLOT DATE: 8/1/2012 12:59:40 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 10:1 WISDOT/CADDS SHEET 42

2

N

916HN+28.90
44.00' LT
736.39

916HN+16.94
44.00' LT
736.63

916HN+07.07
44.08' LT
736.83

916HN+06.92
34.09' LT
736.98

916HN+51.94
44.00' LT
736.60

916HN+37.76
44.00' LT
736.46

916HN+61.94
44.00' LT
737.10

917HN+08.89
44.00' LT
736.54

917HN+02.62
44.00' LT
736.63

916HN+92.62
44.00' LT
736.74

917HN+23.49
44.00' LT
736.47

736.57

736.69

917HN+13.49
34.00' LT
736.56

917HN+08.89
34.00' LT
736.60

917HN+02.62
34.00' LT
736.70

917HN+92.62
34.00' LT
736.80

916HN+16.92
34.00' LT
736.67

916HN+30.02
34.00' LT
736.41

916HN+61.94
34.00' LT
737.25

916HN+51.92
34.00' LT
736.60

916HN+38.88
34.00' LT
736.34

TYPE 8 -
MODIFIED

TYPE 4B1 - MODIFIED

917HN+72.33
42.50' LT
735.98

917HN+88.65
42.50' LT
736.06

917HN+94.43
42.50' LT
736.14

918HN+04.43
42.50' LT
736.24

736.08

735.98

917HN+83.46
32.50' LT
735.84

918HN+04.43
32.50' LT
736.10

917HN+94.43
32.50' LT
736.00

917HN+88.65
32.50' LT
735.91

916HS

916HN

CTH H

917HN

918HN

R/L CTH H NB

NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 46	E

2

2

N

927HN

CTH H

927HN

927HN+49.10
47.12' LT
736.68

927HN+49.10
39.15' LT
736.20

927HN+49.10
37.30' LT
736.17

927HN+49.10
57.88' LT
736.84

927HN+39.10
57.88' LT
736.99

736.20 (EX)

736.34 (EX)

TYPE 3 - MODIFIED

927HN+39.10
39.15' LT
736.31

927HN+39.10
47.12' LT
736.83

927HN+19.14
79.95' LT
738.14

927HN+19.21
89.95' LT
738.29

927HN+08.75
90.03' LT
738.13

927HN+08.68
80.03' LT
737.98

927HN+00.94
90.08' LT
737.91

737.89 (EX)

737.68 (EX)

927HN+01.12
80.08' LT
737.66

TYPE 3 - MODIFIED

927HN+49.10
34.44' LT
736.55

927HN+49.10
27.03' LT
736.10

927HN+49.10
26.44' LT
736.09

736.11 (EX)

736.08 (EX)

927HN+49.10
44.44' LT
736.70

TYPE 3 - MODIFIED

927HN+39.10
44.60' LT
736.55

927HN+39.10
27.03' LT
736.05

927HN+39.10
34.47' LT
736.40

927HN+19.74
64.23' LT
736.26

927HN+19.30
74.23' LT
736.11

927HN+09.56
74.16' LT
735.96

927HN+02.00
74.11' LT
735.62

927HN+09.63
64.16' LT
736.11

927HN+02.07
64.11' LT
735.66

735.70 (EX)

735.66 (EX)

927HN+01.46
74.10' LT
735.61

TYPE 3 - MODIFIED

ENTERPRISE WAY

ENTERPRISE DRIVE

R/L CTH H NB

926HN

926HN

TYPE 3 - MODIFIED

926HN+58.97
90.39' LT
737.35

737.46 (EX)

737.30 (EX)

926HN+58.22
80.39' LT
737.21

926HN+50.58
80.45' LT
737.44

926HN+58.29
90.39' LT
737.36

926HN+50.65
90.44' LT
737.59

926HN+41.52
90.51' LT
737.73

926HN+40.33
80.52' LT
737.58

926HN+28.06
49.41' LT
737.06

926HN+28.06
40.97' LT
736.75

736.76 (EX)

TYPE 3 - MODIFIED

926HN+23.11
58.10' LT
737.21

926HN+15.26
54.77' LT
737.20

736.72 (EX)

926HN+18.06
37.62' LT
736.68

926HN+18.06
40.97' LT
736.73

926HN+18.06
45.17' LT
737.05

926HN+56.15
63.78' LT
735.62

TYPE 3 - MODIFIED

926HN+56.38
73.78' LT
735.56

926HN+48.56
63.72' LT
735.90

735.73 (EX)

735.63 (EX)

926HN+48.49
73.72' LT
735.75

926HN+28.06
37.35' LT
736.54

926HN+28.06
29.29' LT
736.06

736.15 (EX)

926HN+38.94
73.65' LT
735.90

926HN+38.37
63.65' LT
736.05

TYPE 3 - MODIFIED

926HN+28.06
48.68' LT
736.71

736.27 (EX)

926HN+18.49
27.25' LT
736.11

926HN+18.06
29.29' LT
736.14

926HN+18.06
37.35' LT
736.39

926HN+18.06
48.68' LT
736.56

NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 47	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PS+E\Sheets\Curb Ramp Details.dgn PLOT DATE : 9/23/2021 8:28:52 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 10:1

WISDOT/CADDS SHEET 42

2

N

945HN

944HN

R/L CTH H NB

CTH H

VENICE AVE

945HN+00.88
80.26' LT
734.48

944HN+84.73
77.36' LT
734.34

944HN+96.17
89.50' LT
734.24

944HN+75.97
76.02' LT
734.34

944HN+65.42
74.60' LT
734.22

944HN+83.54
87.27' LT
734.19

944HN+74.91
85.94' LT
734.19

734.26 (EX)

734.13 (EX)

944HN+64.47
84.54' LT
734.11

944HN+63.56
84.43' LT
734.09

TYPE 3 - MODIFIED

0.8%
0.3%
1.5%
0%
1.5%
0%
1.0%
0.7%

944HN+20.14
71.00' LT
734.34

944HN+12.72
70.80' LT
734.84

734.38 (EX)

734.24 (EX)

944HN+21.91
81.07' LT
734.18

TYPE 3 - MODIFIED

6.0%
4.9%
1.5%
1.5%
1.5%
1.5%

944HN+03.30
70.69' LT
735.00

944HN+19.86
81.00' LT
734.28

944HN+12.56
80.79' LT
734.33

944HN+03.28
80.69' LT
734.85

NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 48	E

2

COMMERCIAL STREET

N

R/L STH 11 EB

STH 11

260STHE

261STHE

262STHE

TYPE 7B - MODIFIED

260STHE+82.77
24.34' RT
727.68

260STHE+82.76
32.30' RT
728.13

260STHE+72.76
32.28' RT
728.53

727.71
(EX)

727.69
(EX)

260STHE+92.77
24.33' RT
727.65

6.0%

4.4%

4.0%

1.5%

1.5%

1.5%

1.5%

4.0%

1.5%

260STHE+92.76
32.31' RT
727.98

260STHE+72.74
42.28' RT
728.68

260STHE+82.74
42.30' RT
728.28

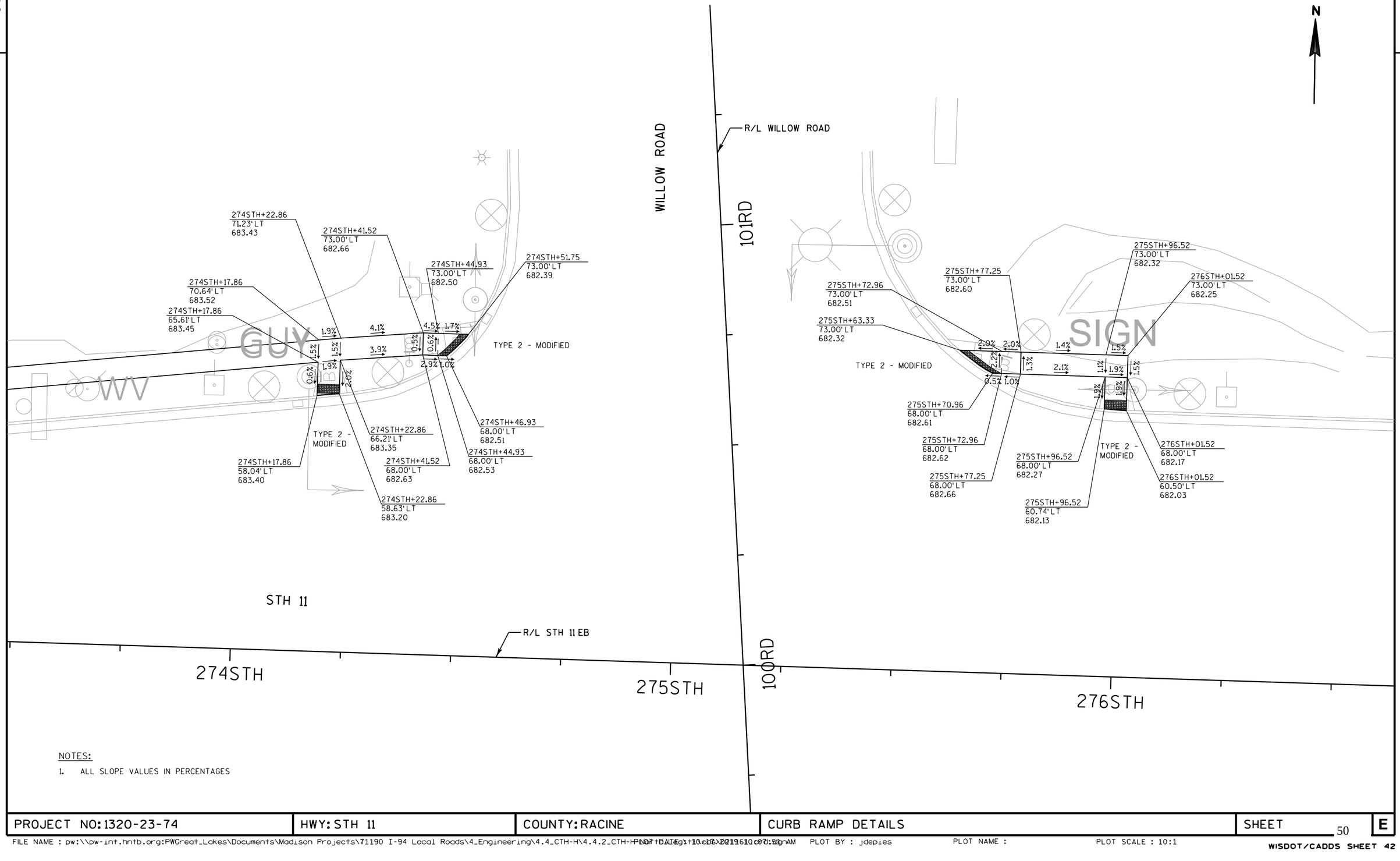
260STHE+92.74
42.31' RT
728.13

NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 49	E

2

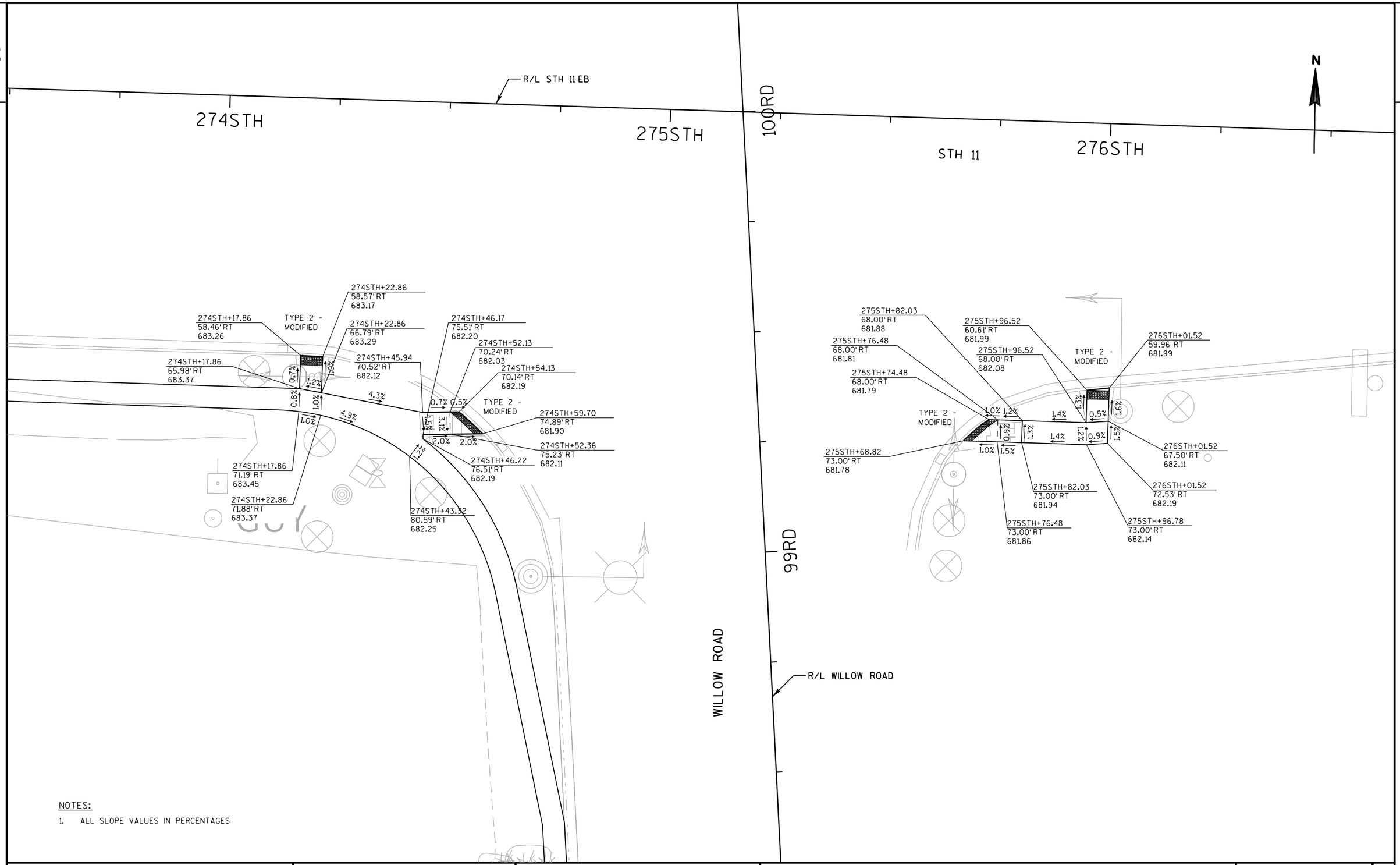


NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET	E

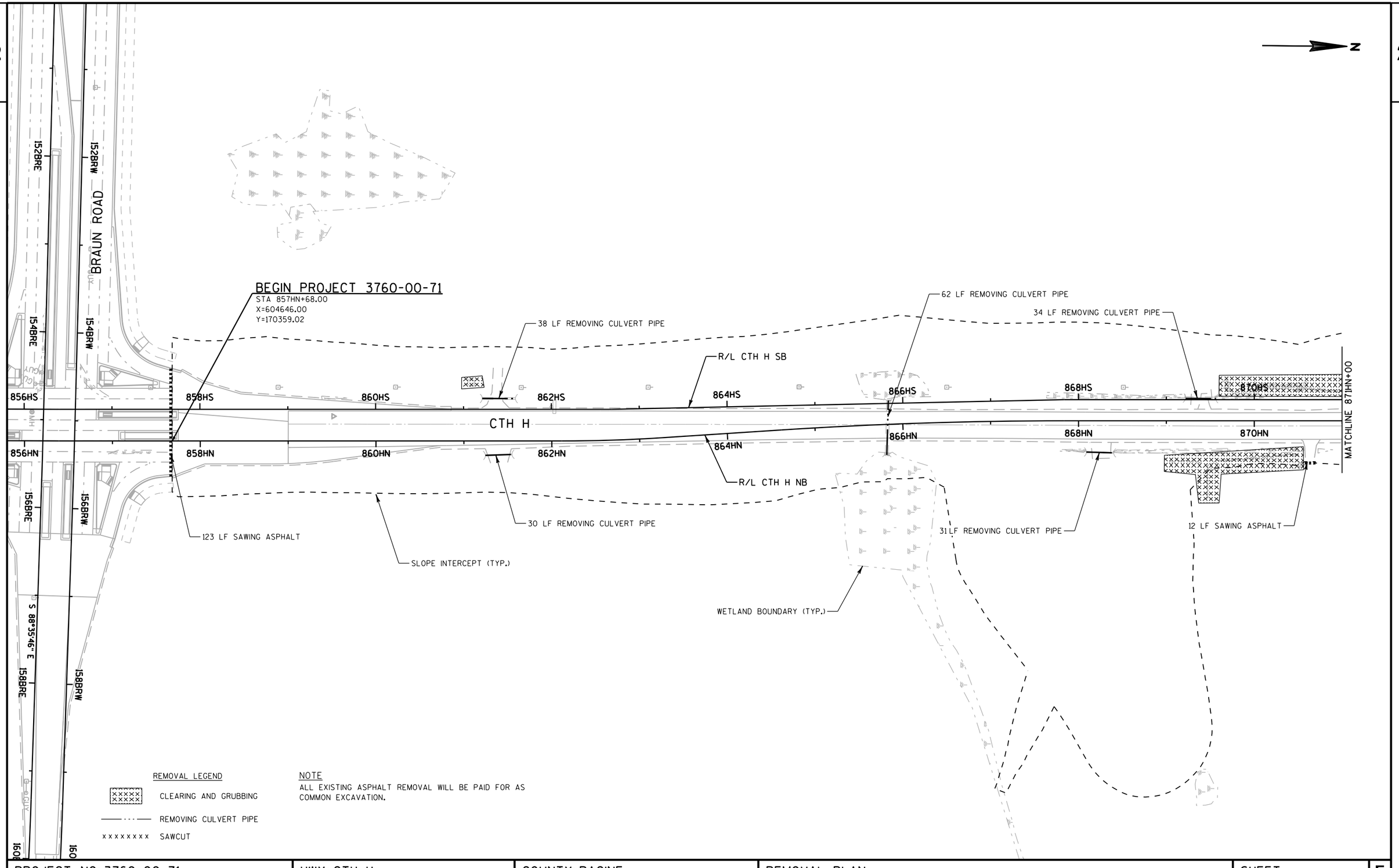
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNOF_Eng\10.276.2021610.curb_ramp.dgn PLOT DATE : 10/27/2021 10:27:37 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 10:1



NOTES:

1. ALL SLOPE VALUES IN PERCENTAGES

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CURB RAMP DETAILS	SHEET 51	E

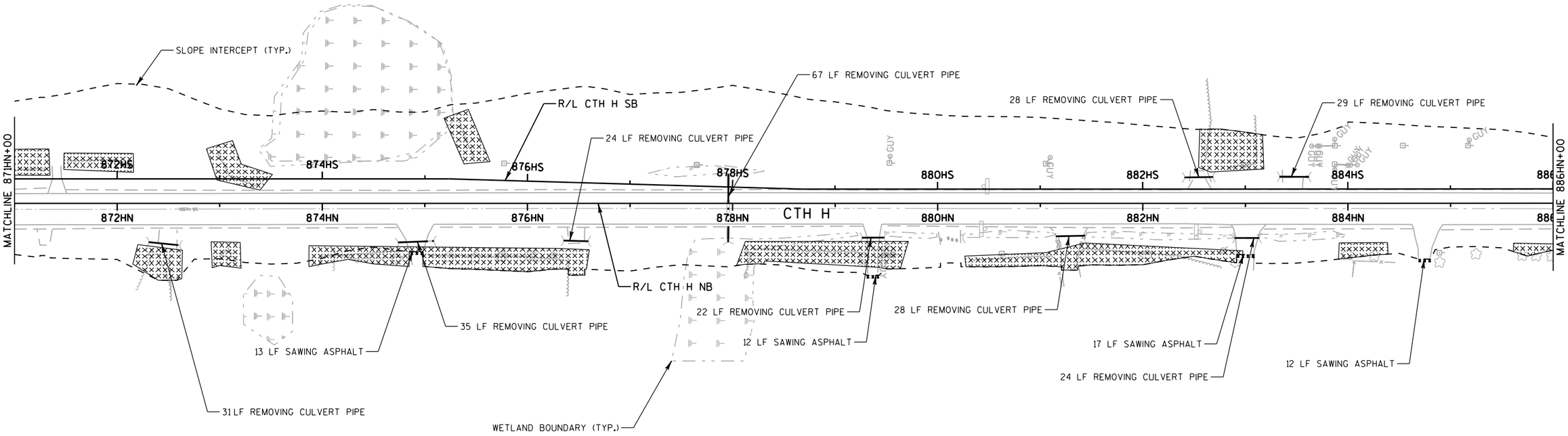


PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	REMOVAL PLAN	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\18x24 2012 01 26.dgn PLOT DATE : 1/31/2012 10:26:26 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

N



REMOVAL LEGEND

- CLEARING AND GRUBBING
- REMOVING CULVERT PIPE
- REMOVING FENCE

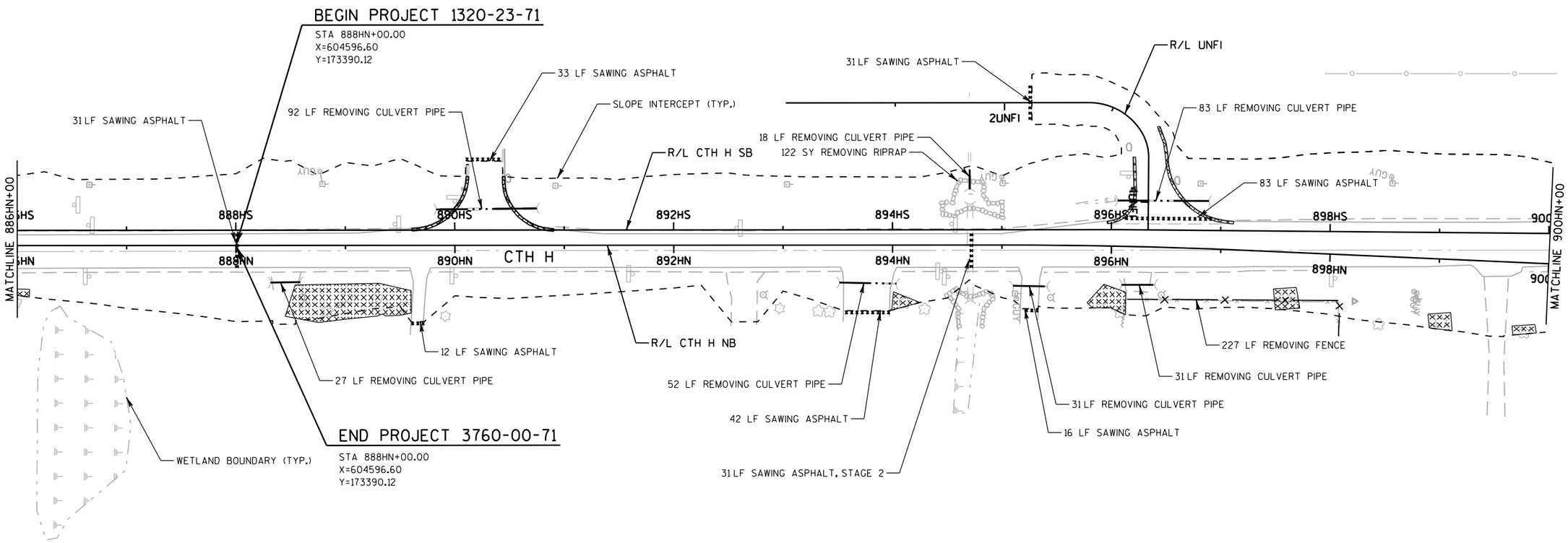
NOTE

ALL EXISTING ASPHALT REMOVAL WILL BE PAID FOR AS COMMON EXCAVATION.

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	REMOVAL PLAN	SHEET 53	E

N

2



REMOVAL LEGEND

- CLEARING AND GRUBBING
- REMOVING CULVERT PIPE
- REMOVING CURB AND GUTTER
- REMOVING FENCE

NOTE

ALL EXISTING ASPHALT REMOVAL WILL BE PAID FOR AS COMMON EXCAVATION.

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	REMOVAL PLAN	SHEET 54	E

2

BEGIN CONSTRUCTION
STA 234STHE+00.00
X=603992.60
Y=175477.73

234STHE

R/L STH 11 EB

623 LF SAWING ASPHALT, STAGE 3

584 LF SAWING ASPHALT, STAGE 3

11 LF SAWING ASPHALT, STAGE 1

38 LF SAWING ASPHALT, STAGE 1

11 LF SAWING CONCRETE, STAGE 1

21 LF SAWING CONCRETE, STAGE 1

58 LF SAWING ASPHALT, STAGE 1

R/L STH 11 WB

8 LF SAWING CONCRETE, STAGE 1

34 LF SAWING ASPHALT, STAGE 1

59 LF SAWING ASPHALT, STAGE 1

9 LF SAWING CONCRETE, STAGE 3

152 LF SAWING ASPHALT, STAGE 3

24 LF SAWING ASPHALT

42 LF SAWING ASPHALT, STAGE 1

8 LF SAWING CONCRETE, STAGE 1

REMOVE SEPTIC TANK

30 LF SAWING ASPHALT

1487 LF SAWING ASPHALT, STAGE 3

49 LF SAWING ASPHALT, STAGE 1

MATCHLINE 243STHE+00

27 LF SAWING ASPHALT

WETLAND BOUNDARY (TYP.)

70 LF REMOVING CULVERT PIPE

189 LF SAWING ASPHALT

R/L CTH H SB

MATCHLINE 900HN+00

902HS 904HS 906HS 908HS 910HS 912HS 914HS

CTH H

902HN 904HN 906HN 908HN 910HN 912HN 914HN

MATCHLINE 915HN+00

56 LF REMOVING CULVERT PIPE

39 LF SAWING ASPHALT

SLOPE INTERCEPT (TYP.)

R/L CTH H NB

136 LF SAWING ASPHALT, STAGE 1

37 LF SAWING ASPHALT, STAGE 1

11 LF SAWING CONCRETE, STAGE 1

12 LF SAWING ASPHALT, STAGE 1

543 LF SAWING ASPHALT, STAGE 1

26 LF SAWING ASPHALT, STAGE 1

238STHE 238STHW 240STHE 240STHW 242STHW

REMOVAL LEGEND

- CLEARING AND GRUBBING
- REMOVING CULVERT PIPE
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB AND GUTTER
- REMOVING INLETS
- REMOVING MANHOLES
- RM — REMOVING STORM SEWER

NOTE
ALL EXISTING ASPHALT REMOVAL WILL BE PAID FOR AS COMMON EXCAVATION.

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	REMOVAL PLAN	SHEET 55	E

2

N

MATCHLINE 915HN+00

916HS

916HN

918HN

CTH H

920HN

922HN

924HN

926HN

928HN

930HN

RM

RM

RM

31 LF SAWING ASPHALT

SLOPE INTERCEPT (TYP.)

57 LF SAWING ASPHALT

400 LF SAWING ASPHALT

R/L CTH H

24 LF SAWING ASPHALT

WETLAND BOUNDARY (TYP.)

END CONSTRUCTION
STA 922HN+00.00
X=604572.84
Y=176788.40

REMOVAL LEGEND

- CLEARING AND GRUBBING
- REMOVING CULVERT PIPE
- REMOVING CURB AND GUTTER
- REMOVING INLETS
- REMOVING MANHOLES
- RM — REMOVING STORM SEWER

NOTE

ALL EXISTING ASPHALT REMOVAL WILL BE PAID FOR AS COMMON EXCAVATION.

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	REMOVAL PLAN	SHEET 56	E

2

N

WETLAND BOUNDARY (TYP.)

35 LF SAWING ASPHALT

37 LF SAWING ASPHALT

42 LF SAWING ASPHALT

53 LF SAWING ASPHALT

R/L STH 11 WB

R/L STH 11 EB

MATCHLINE 243STHE+00

MATCHLINE 258STHE+00

244STHW

246STHW

248STHW

250STHW

252STHW

254STHW

256STHW

244STHE

246STHE

248STHE

250STHE

252STHE

254STHE

256STHE

STH 11

POST

1487 LF SAWING ASPHALT, STAGE 3

486 LF SAWING ASPHALT, STAGE 1

SLOPE INTERCEPT (TYP.)

360 LF SAWING ASPHALT, STAGE 3

MATCHLINE 258STHE+00

260STHE

262STHE

SLOPE INTERCEPT (TYP.)

END CONSTRUCTION

STA 260STHE+92.77
X=606683.15
Y=175458.73

REMOVAL LEGEND

- CLEARING AND GRUBBING
- REMOVING CULVERT PIPE
- REMOVING CURB AND GUTTER
- REMOVING INLETS
- REMOVING MANHOLES
- RM — REMOVING STORM SEWER

NOTE

ALL EXISTING ASPHALT REMOVAL WILL BE PAID FOR AS COMMON EXCAVATION.

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	REMOVAL PLAN	SHEET 57	E

2

2

N

ADJUSTING MANHOLE COVER

SLOPE INTERCEPT (TYP.)

SAN

MH

84TH STREET

R/L WILLOW RD

SIGN

POST

264STH

266STH

268STH

270STH

STH 11

272STH

274STH

100RD

276STH

278

MAIL BOX

REMOVING CURB AND GUTTER

BEGIN PROJECT 1320-23-74
STA 263STE+17.17
X=611225.91
Y=175352.09

R/L STH 11

REMOVING CURB AND GUTTER

RECONSTRUCTING CATCH BASIN

27 SY REMOVING RIPRAP

WILLOW ROAD

98RD

BEGIN CONSTRUCTION
STA 97RD+42.82
X=612386.15
Y=175116.09

END PROJECT 1320-23-74
STA 276STE+01.52
X=612509.56
Y=175314.82

REMOVAL LEGEND

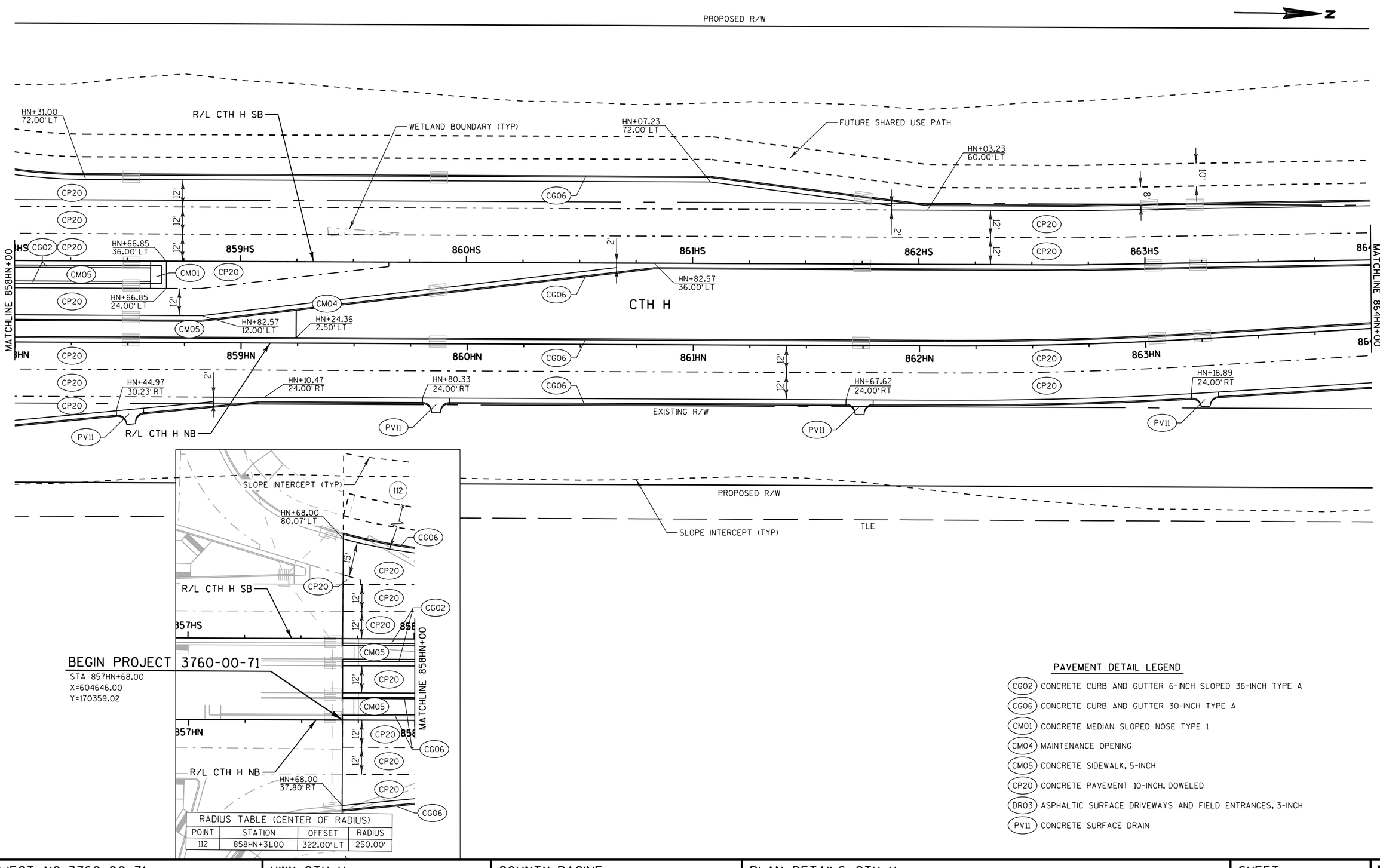
- CLEARING AND GRUBBING
- REMOVING CATCH BASINS
- REMOVING CONCRETE SIDEWALK
- REMOVING CURB AND GUTTER

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	REMOVAL PLAN	SHEET 58	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H PLOT DATE : 10/25/2021 11:41:41 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2



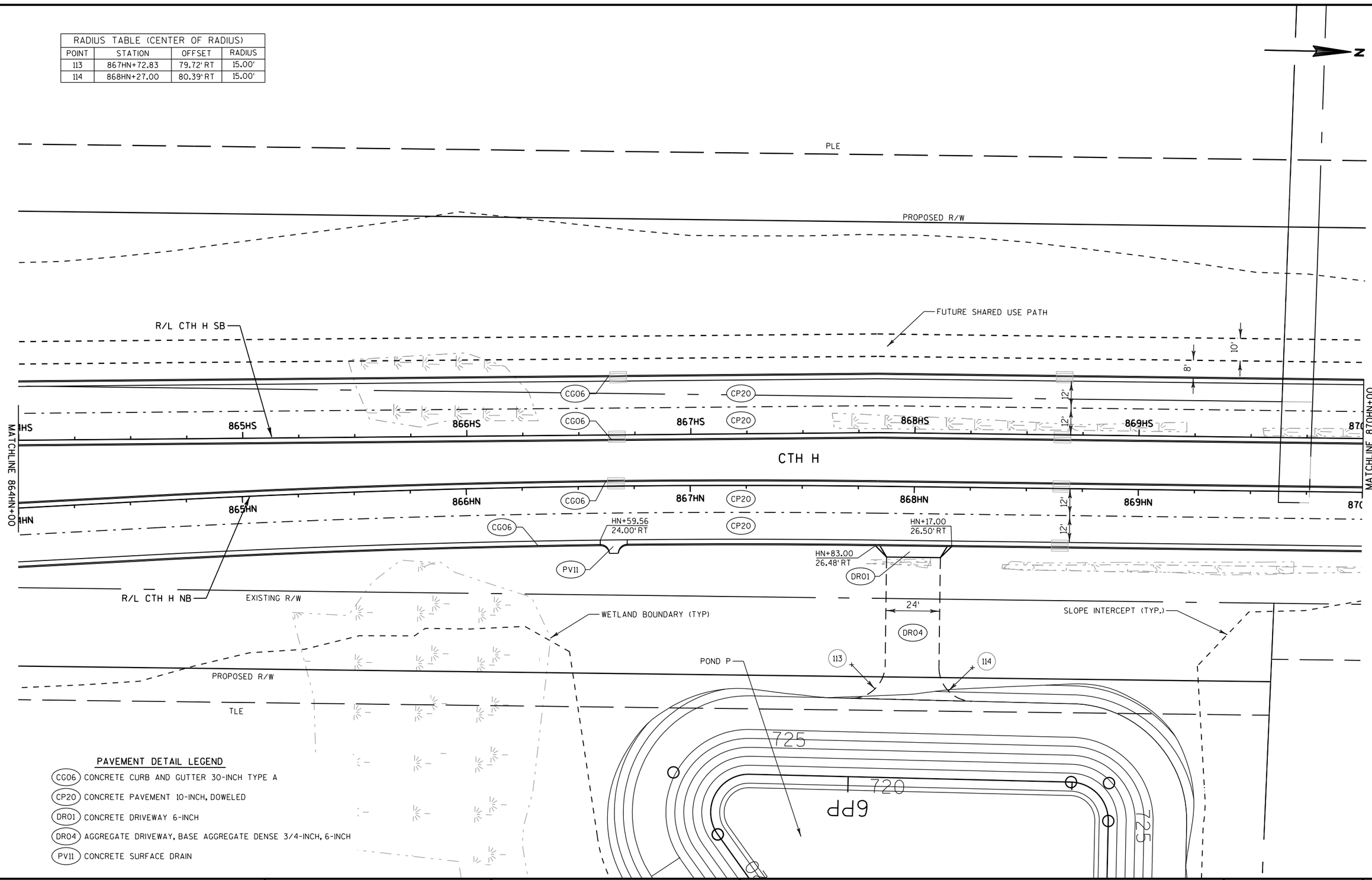
RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
112	858HN+31.00	322.00' LT	250.00'

PAVEMENT DETAIL LEGEND

- CG02 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM04 MAINTENANCE OPENING
- CM05 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED
- DR03 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- PV11 CONCRETE SURFACE DRAIN

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 59	E

RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
113	867HN+72.83	79.72' RT	15.00'
114	868HN+27.00	80.39' RT	15.00'



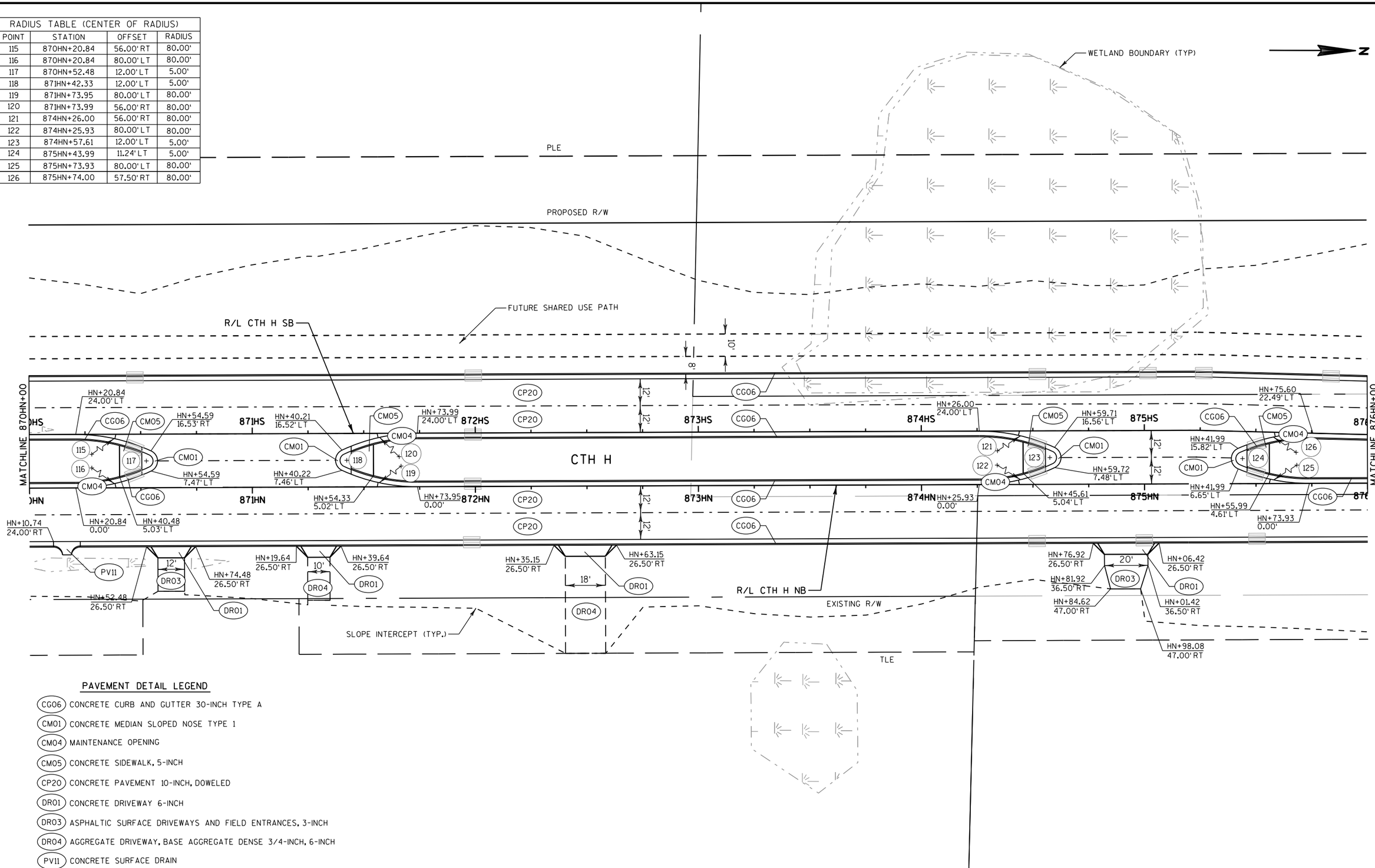
PAVEMENT DETAIL LEGEND

- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR04 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
- PV11 CONCRETE SURFACE DRAIN

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\Sheets\8.1x11_20191211_CTH_H_Plan_Profile_Sheet_02.dgn PLOT DATE : 12/11/2019 1:11:23 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
115	870HN+20.84	56.00' RT	80.00'
116	870HN+20.84	80.00' LT	80.00'
117	870HN+52.48	12.00' LT	5.00'
118	871HN+42.33	12.00' LT	5.00'
119	871HN+73.95	80.00' LT	80.00'
120	871HN+73.99	56.00' RT	80.00'
121	874HN+26.00	56.00' RT	80.00'
122	874HN+25.93	80.00' LT	80.00'
123	874HN+57.61	12.00' LT	5.00'
124	875HN+43.99	11.24' LT	5.00'
125	875HN+73.93	80.00' LT	80.00'
126	875HN+74.00	57.50' RT	80.00'



PAVEMENT DETAIL LEGEND

- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM04 MAINTENANCE OPENING
- CM05 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR03 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- DR04 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
- PV11 CONCRETE SURFACE DRAIN

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 61 E

2

N

PLE

PROPOSED R/W

R/L CTH H SB

FUTURE SHARED USE PATH

MATCHLINE 876HN+00

MATCHLINE 882HN+00

877HS 878HS 879HS 880HS 881HS 882

877HN 878HN 879HN 880HN 881HN 882

CTH H

HN+53.16
14.34' LT

HN+68.36
38.00' LT

HN+70.21
12.08' LT

HN+70.21
2.38' LT

HN+64.62
2.50' LT

HN+50.84
0.00'

128

129

127

CG06

CM05

CM01

CM04

CP20

12'

7'

10'

8'

20'

16'

HN+60.88
26.50' RT

HN+76.07
24.00' RT

HN+34.88
26.50' RT

HN+78.34
24.00' RT

HN+45.56
24.00' RT

HN+13.85
26.50' RT

HN+44.35
26.50' RT

HN+25.69
26.50' RT

HN+97.69
26.50' RT

HN+47.69
26.50' RT

HN+27.69
26.50' RT

HN+18.85
36.50' RT

HN+39.35
36.50' RT

HN+93.88
24.00' RT

HN+20.71
65.00' RT

HN+36.71
65.00' RT

DR01

DR03

DR04

PV11

R/L CTH H NB

EXISTING R/W

TLE

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP)

PAVEMENT DETAIL LEGEND

- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM04 MAINTENANCE OPENING
- CM05 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR03 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- DR04 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
- PV11 CONCRETE SURFACE DRAIN

RADIUS TABLE (CENTER OF RADIUS)

POINT	STATION	OFFSET	RADIUS
127	878HS+50.84	80.00' LT	80.00'
128	878HN+50.84	65.53' RT	80.00'
129	878HN+69.00	7.23' LT	5.00'

* RADIUS MEASURED TO FACE OF CURB

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 62	E

2

N

BEGIN PROJECT 1320-23-71

STA 888HN+00.00
X=604596.60
Y=173390.12

TLE

PROPOSED R/W

FUTURE SHARED USE PATH

R/L CTH H SB

10'

8'

12'

12'

7'

7'

12'

12'

CP20

CG06

MATCHLINE 882HN+00

882HS 883HS 884HS 885HS 886HS 887HS MATCHLINE 888HN+00

CTH H

882HN 883HN 884HN 885HN 886HN 887HN

HN+16.33
26.50' RT

HN+82.01
24.00' RT

HN+62.14
26.50' RT

HN+93.19
24.00' RT

PV11

HN+86.33
26.50' RT

20'

HN+11.33
36.50' RT

DR03

DR01

R/L CTH H NB

HN+08.33
49.87' RT

HN+90.14
26.50' RT

18'

DR01

DR03

HN+67.14
36.50' RT

HN+85.14
36.50' RT

HN+68.81
54.38' RT

HN+80.64
54.38' RT

EXISTING R/W

SLOPE INTERCEPT (TYP.)

TLE

END PROJECT 3760-00-71

STA 888HN+00.00
X=604596.60
Y=173390.12

WETLAND BOUNDARY (TYP)

PAVEMENT DETAIL LEGEND

- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR03 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- PV11 CONCRETE SURFACE DRAIN

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET	E

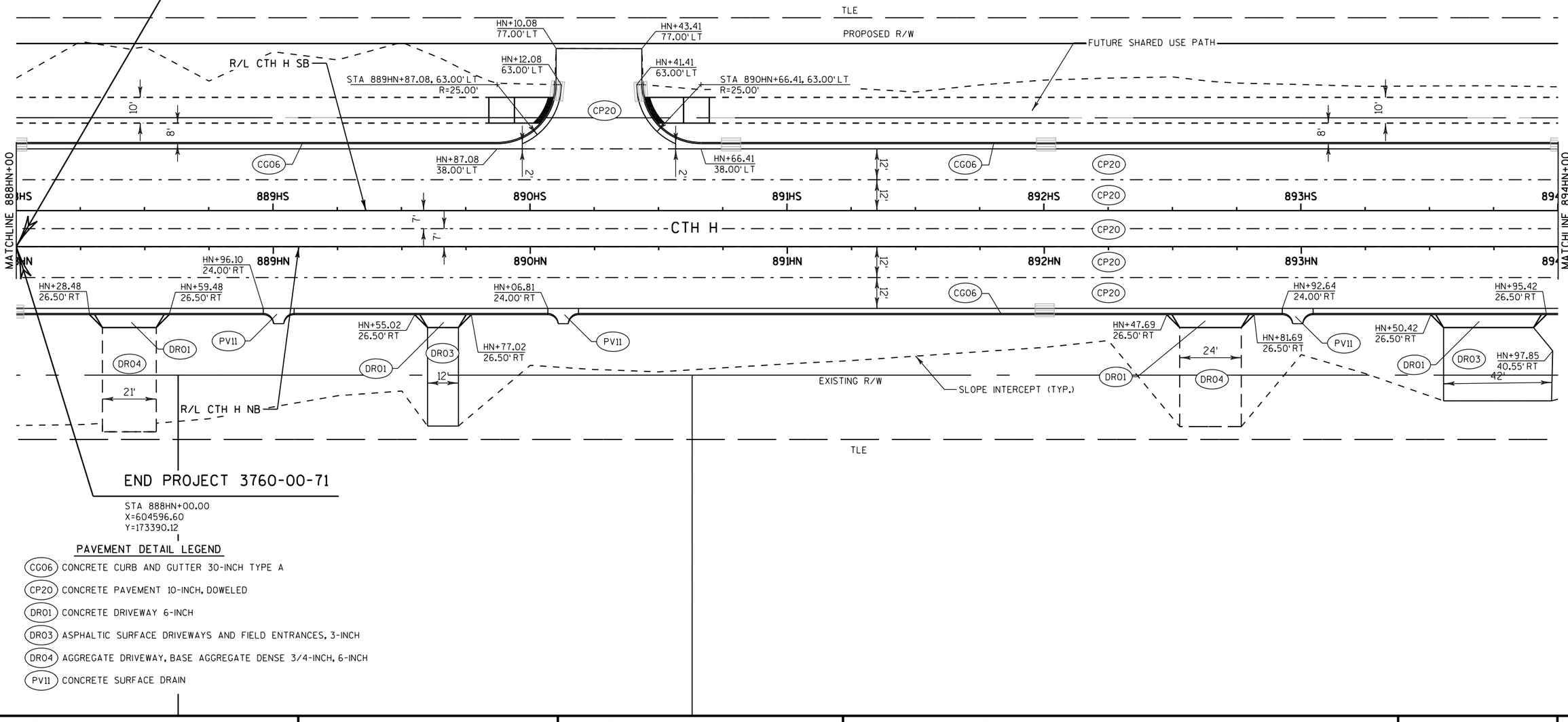
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H PLOT DATE : 8/1/2022 12:31:59 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

2

N

BEGIN PROJECT 1320-23-71

STA 888HN+00.00
X=604596.60
Y=173390.12



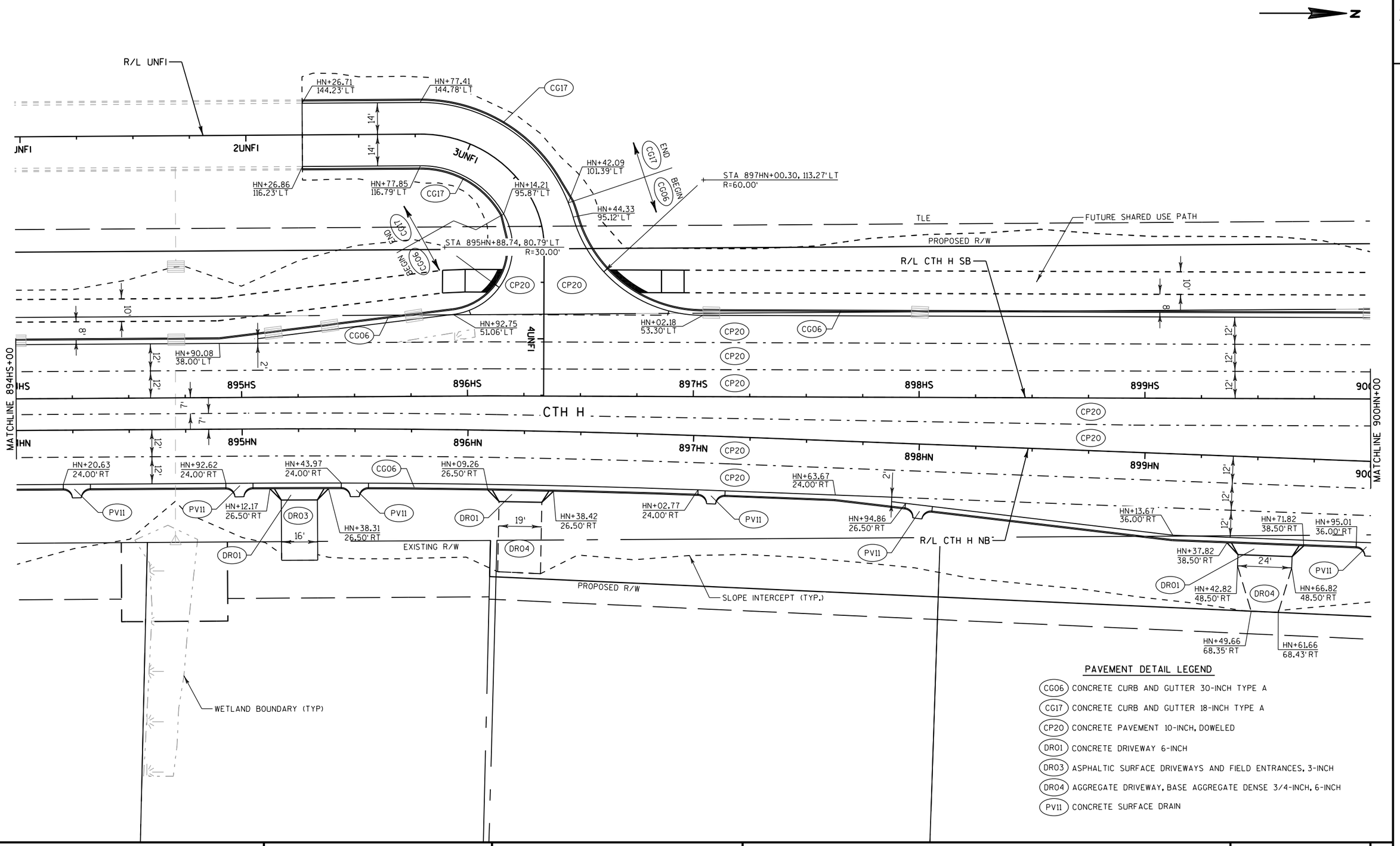
END PROJECT 3760-00-71

STA 888HN+00.00
X=604596.60
Y=173390.12

PAVEMENT DETAIL LEGEND

- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR03 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- DR04 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
- PV11 CONCRETE SURFACE DRAIN

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 64	E



PAVEMENT DETAIL LEGEND

- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG17 CONCRETE CURB AND GUTTER 18-INCH TYPE A
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR03 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- DR04 AGGREGATE DRIVEWAY, BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
- PV11 CONCRETE SURFACE DRAIN

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 65	E

2

N

HN+96.79
143.80'LT

HN+16.95
130.77'LT

131

HN+82.59
102.02'LT

STA 900HS+42.73
105.26'LT, R=40.00'

TLE

STA 901HN+51.29, 108.93'LT
R=40.00'

PROPOSED R/W

FUTURE SHARED USE PATH

CP22

10'

8"

CG06

HN+44.13
65.29'LT

HN+52.44
68.95'LT

CG06

HN+53.39
72.00'LT

HN+49.39
60.00'LT

CP20

12'

2'

R/L CTH H SB

MATCHLINE 900HN+00

900HS

901HS

902HS

903HS

904HS

HN+98.24
36.00'LT

905HS

MATCHLINE 906HN+00

CM05

HN+52.87
13.21'LT

HN+86.47
21.82'LT

CG06

CM04

HN+98.24
24.00'LT

CM01

132

133

134

CTH H

CM05

HN+98.06
24.00'LT

CM04

901HN

HN+53.60
4.01'LT

902HN

HN+77.97
0.00'

HN+98.95
0.00'

903HN

CG06

904HN

905HN

HN+40.23
36.00'RT

HN+67.32
3.34'LT

R/L CTH H NB

HN+83.26
24.00'RT

CG06

CG06

HN+43.11
24.00'RT

HN+73.95
36.00'RT

CP20

SLOPE INTERCEPT (TYP.)

STA 900HN+40.23, 86.00'RT
R=50.00'

HN+90.11
82.50'RT

HN+24.44
87.75'RT

STA 901HN+83.26, 84.00'RT
R=60.00'

HN+91.06
96.03'RT

PROPOSED R/W

HN+25.08
97.24'RT

TLE

WETLAND BOUNDARY (TYP)

PAVEMENT DETAIL LEGEND

- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM04 MAINTENANCE OPENING
- CM05 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED
- CP22 CONCRETE PAVEMENT HES 10-INCH, DOWELED

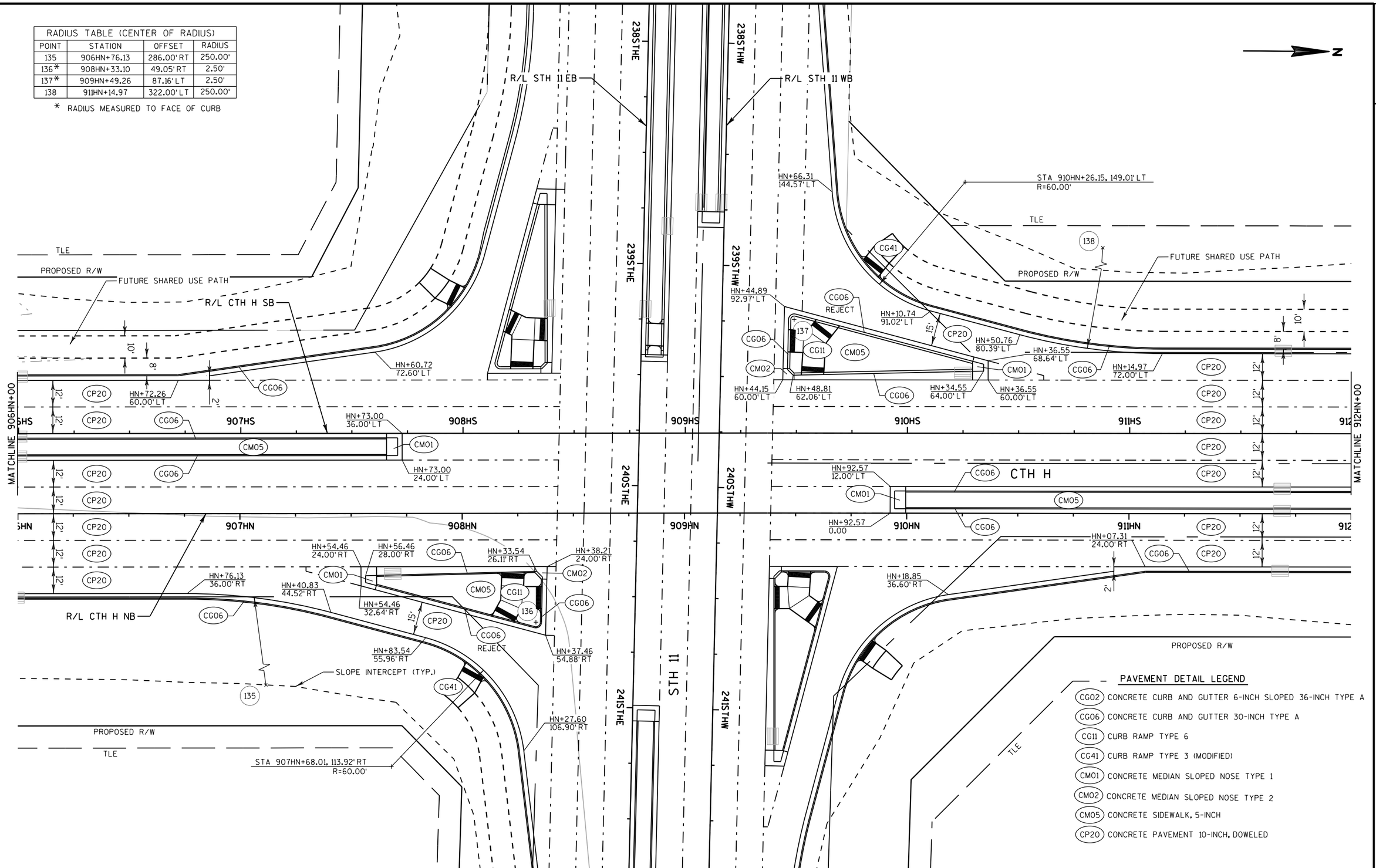
RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
131	901HN+73.83	94.38'LT	90.42'
132	901HN+55.15	8.76'LT	5.00'
133	901HN+88.87	58.15'RT	80.00'
134	901HN+78.84	80.00'LT	80.00'

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan&Profile\sht\20231212132616.dgn PLOT DATE : 13 DEC 2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
135	906HN+76.13	286.00' RT	250.00'
136*	908HN+33.10	49.05' RT	2.50'
137*	909HN+49.26	87.16' LT	2.50'
138	911HN+14.97	322.00' LT	250.00'

* RADIUS MEASURED TO FACE OF CURB



PAVEMENT DETAIL LEGEND

- CG02 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG11 CURB RAMP TYPE 6
- CG41 CURB RAMP TYPE 3 (MODIFIED)
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM02 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CM05 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 67 E

2

N

WETLAND BOUNDARY (TYP)

TLE

FUTURE SHARED USE PATH

PROPOSED R/W

R/L CTH H SB

STA 913HN+74.90, 81.06' LT
R=32.50'

STA 914HN+66.58, 67.72' LT
R=32.50'

STA 916HN+88.51, 69.00' LT
R=45.00'

STA 918HN+06.20, 69.00' LT
R=45.00'

END CG06 / BEGIN CG07

HN+06.77 74.68' LT
HN+37.05 72.47' LT
HN+18.26 24.00' LT
HN+33.06 78.64' LT
HN+60.55 80.09' LT
HN+33.45 71.37' LT
HN+06.69 24.09' LT
HN+23.04 24.00' LT
HN+61.26 66.63' LT
HN+70.23 24.00' LT
HN+39.62 71.94' LT
HN+64.70 49.57' LT
HN+70.92 48.80' LT
HN+62.48 35.51' LT
HN+57.74 26.39' LT
HN+69.41 24.24' LT
HN+88.51 24.00' LT
HN+47.48 24.00' LT
HN+27.18 12.00' LT
HN+02.86 12.00' LT
HN+57.52 12.00' LT
HN+08.63 24.00' RT
HN+35.69 26.50' RT
HN+31.30 0.00
HN+23.70 24.00' RT
HN+06.69 24.00' RT
HN+28.77 24.00' RT
HN+53.21 24.00' RT
HN+70.23 24.00' RT
HN+29.71 24.00' RT
HN+68.26 26.50' RT
HN+03.55 26.50' RT
HN+96.80 26.50' RT

913HS 914HS 915HS 916HS
913HN 914HN 915HN 916HN 917HN 918

CP20 CG06 CG07 CG38 CM01 CM05 AP25 DR01 DR03

MATCHLINE 912HN+00

MATCHLINE 918HN+00

CTH H

R/L CTH H NB

28'

27'

SLOPE INTERCEPT (TYP.)

CANADIAN PACIFIC RAILWAY

PAVEMENT DETAIL LEGEND

- AP25 — HMA PAVEMENT TYPE 4 LT 58-28 S, 2-1/4" (UPPER LAYER)
  HMA PAVEMENT TYPE 3 LT 58-28 S, 3-1/4" (LOWER LAYER)
- CG06 — CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG07 — CONCRETE CURB AND GUTTER 30-INCH TYPE D
- CG38 — CURB RAMP TYPE 8
- CM01 — CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM05 — CONCRETE SIDEWALK, 5-INCH
- CP20 — CONCRETE PAVEMENT 10-INCH, DOWELED
- DR01 — CONCRETE DRIVEWAY 6-INCH
- DR03 — ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH

RADIUS TABLE (CENTER OF RADIUS)

POINT	STATION	OFFSET	RADIUS
140	913HN+69.65	18.75' LT	5.50'
141	913HN+57.52	77.00' LT	60.00'

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 68	E

2

N

SLOPE INTERCEPT (TYP.)

TLE

FUTURE SHARED USE PATH

PROPOSED R/W

EXISTING CURB AND GUTTER (TYP.)

HN+40.50
42.50' LT

HN+00.50
36.50' LT

10'

HN+06.20
24.00' LT

CGO7

AP25

24'

MATCH EXISTING PAVEMENT

MATCHLINE 918HN+00

HN

919HN

920HN

CTH H

921HN

922HN

923HN

924

MATCHLINE 924HN+00

AP25

CGO7

24'

R/L CTH H

HN+43.54
26.50' RT

DRO1

DRO3

HN+77.54
26.50' RT

24'

EXISTING R/W

END CONSTRUCTION
STA 922HN+00.00
X=604572.84
Y=176788.40

TLE

WETLAND BOUNDARY (TYP)

PAVEMENT DETAIL LEGEND

AP25 HMA PAVEMENT TYPE 4 LT 58-28 S, 2-1/4" (UPPER LAYER)
HMA PAVEMENT TYPE 3 LT 58-28 S, 3-1/4" (LOWER LAYER)

CGO6 CONCRETE CURB AND GUTTER 30-INCH TYPE A

DRO1 CONCRETE DRIVEWAY 6-INCH

DRO3 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 69	E

2

N

WETLAND BOUNDARY (TYP)

TLE

FUTURE SHARED USE PARTH

SLOPE INTERCEPT (TYP.)

PROPOSED R/W

HN+48.45
36.96'LT

10'

CG41

CM05

10'

8'

CG41

CG41

CM05

8'

10'

CG41

TLE

PROPOSED R/W

CTH H

MATCHLINE 924HN+00

924HN

925HN

926HN

927HN

928HN

929HN

930HN

MATCHLINE 930HN+00

CG41

8'

CG41

8'

10'

8.5'

10'

R/L CTH H HN

EXISTING R/W

CM05

10'

CG41

CG41

CM05

TLE

PROPOSED R/W

TLE

FUTURE SHARED USE PARTH

ENTERPRISE DRIVE

PAVEMENT DETAIL LEGEND

(CG41) CURB RAMP TYPE 3 (MODIFIED)

(CM05) CONCRETE SIDEWALK, 5-INCH

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 70	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_HN\Plan Sheets\Sheet 2.dgn PLOT DATE : 8/1/2012 12:32:45 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

2

N

2

EXISTING CURB AND GUTTER (TYP.)

CTH H

MATCHLINE 930HN+00

930HN

931HN

932HN

933HN

934HN

935HN

936HN

MATCHLINE 936HN+00

10'

8.1'

PROPOSED R/W

TLE

FUTURE SHARED USE PARTH

SLOPE INTERCEPT (TYP.)

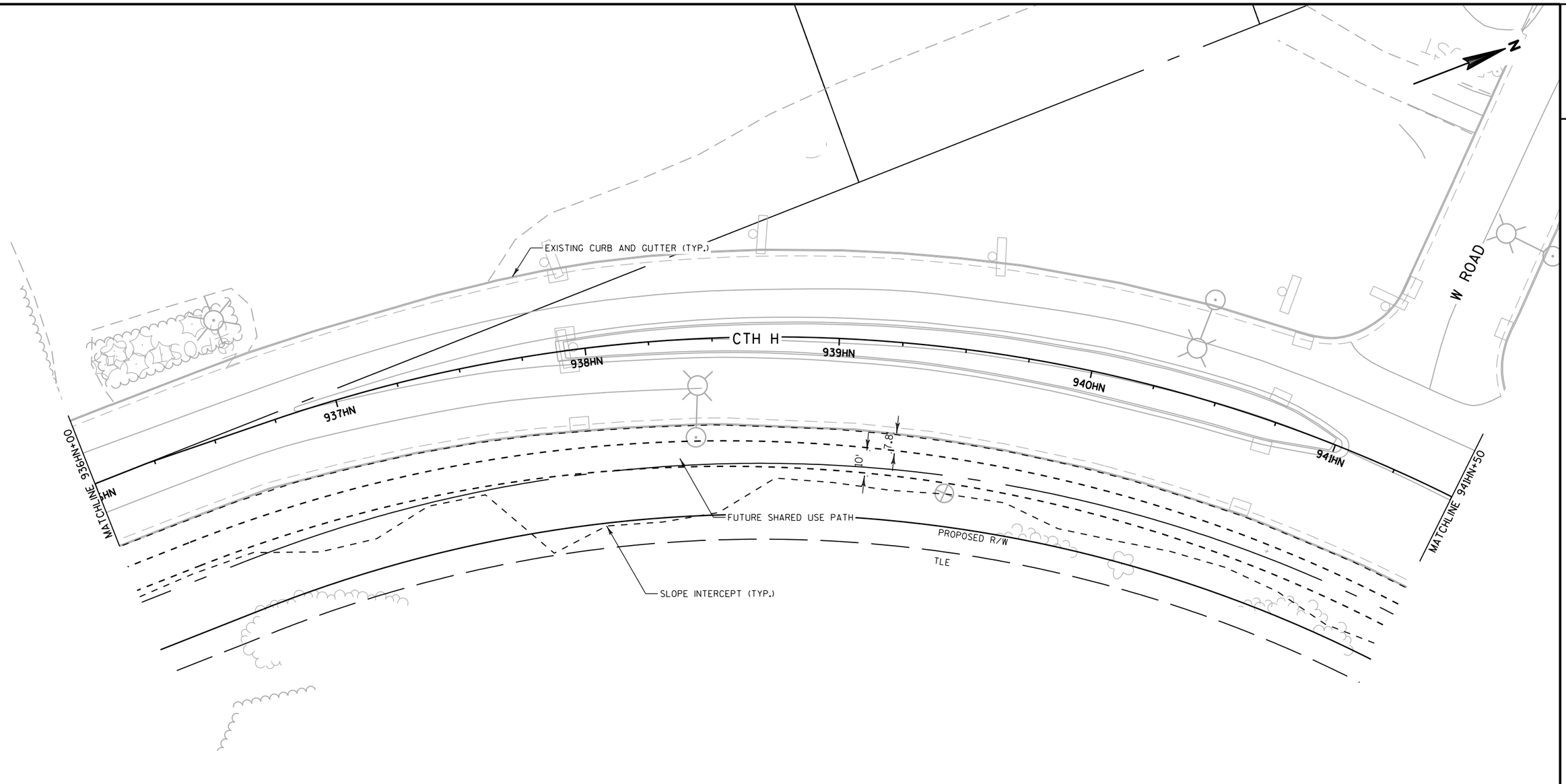
WETLAND BOUNDARY (TYP)

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 12:32:51 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 72	E

2

2

MATCHLINE 941HN+50

EXISTING CURB AND GUTTER (TYP.)

942HN

CTH H

943HN

944HN

945HN

10'

8.6'

PROPOSED R/W

TLE

FUTURE SHARED USE PATH

SLOPE INTERCEPT (TYP.)

CG41

CM05

VENICE AVE

CG41

CM05

10'

END PROJECT 1320-23-71

STA 944HN+98.63

X=605087.52

Y=178871.06

PAVEMENT DETAIL LEGEND

CG41 CURB RAMP TYPE 3 (MODIFIED)

CM05 CONCRETE SIDEWALK, 5-INCH

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: CTH H	SHEET 73 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 12/21/2023 2:02 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

EXISTING R/W

R/L STH 11 WB

PROPOSED R/W

END CG02

BEGIN CG06

CG06

STHE+65.80
84.28' LT

STHE+80.04
76.00' LT

CG02

CP20

CP20

CP20

4"

12'

12'

12'

235STHW

236STHW

237STHW

238STHW

239STHW

STHE+83.95
36.00' LT

CM05

CM04

CM01

STHE+43.95
12.00' LT

STHE+48.97
24.00' LT

STHE+86.58
21.00' LT

CP20

CP20

CG02

STH 11

CM05

STHE+83.00
24.00' LT

CG13

CM02

234STHE

235STHE

236STHE

CP20

CM01

237STHE

238STHE

239STHE

STHE+43.95
0.00'

MATCHLINE 239STHE+75

CP20

CP20

CP20

CP20

12'

12'

12'

4"

STHE+08.47
40.00' RT

STHE+03.71
52.00' RT

STHE+87.72
52.00' RT

STHE+67.50
40.00' RT

STHE+69.50
44.00' RT

STHE+45.89
42.06' RT

STHE+50.35
40.00' RT

CM01

CG02

CM02

STHE+67.50
48.66' RT

CM05

CG11

CG02

CG02
REJECT

144

15'

8"

10'

CG02

143

STHE+87.72
52.00' RT

STHE+51.05
68.89' RT

R/L STH 11 EB

STHE+97.62
71.39' RT

CG41

CG02
END

CG06
BEGIN

CG06

CTH H

BEGIN CONSTRUCTION

STA 234STHE+00.00
X=603992.60
Y=175477.73

FUTURE SHARED USE PATH

SLOPE INTERCEPT (TYP.)

PROPOSED R/W

TLE

STA 238STHE+83.50, 129.70' RT
R=60.00'

STHE+42.68
119.80' RT

PAVEMENT DETAIL LEGEND

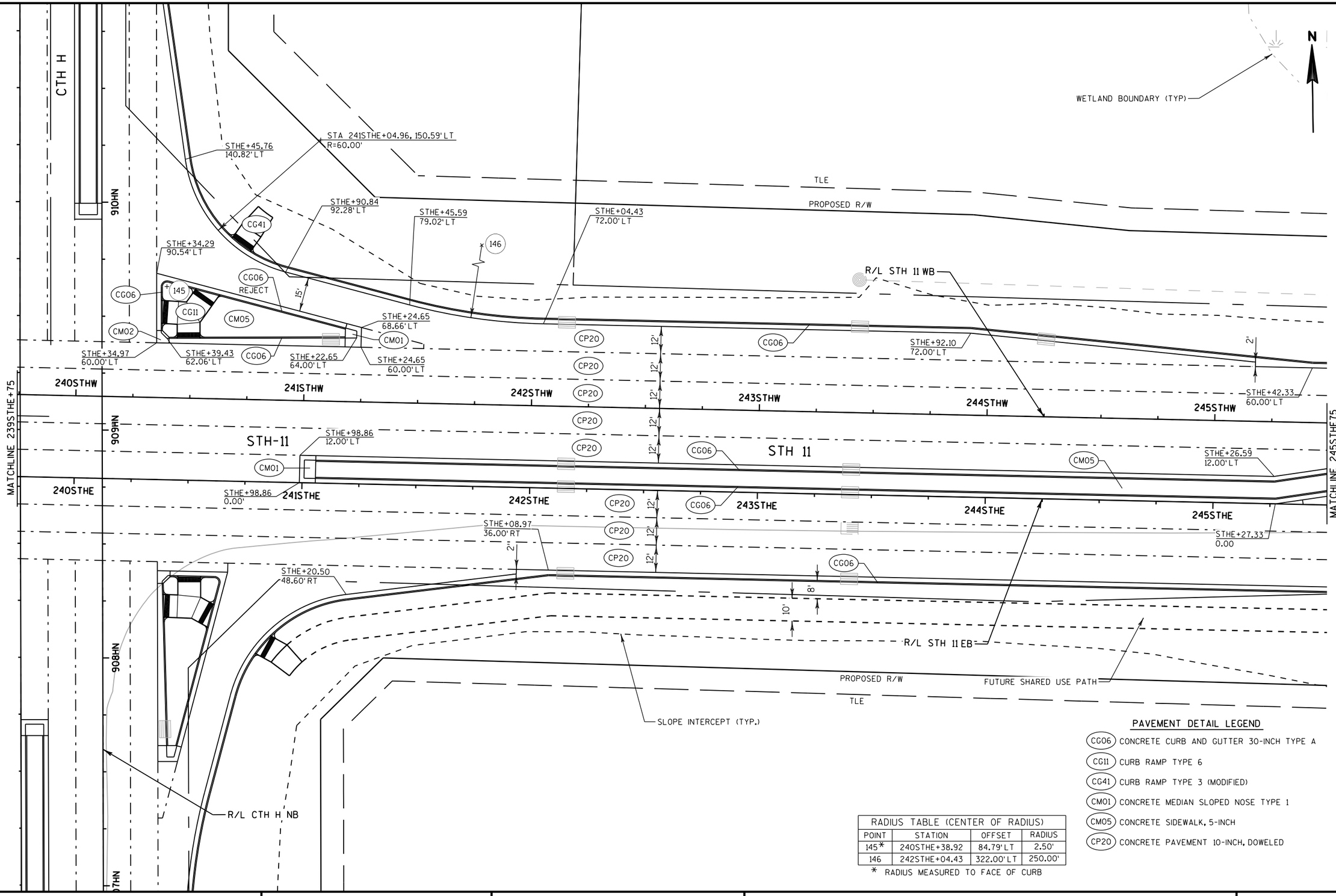
- CG02 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG11 CURB RAMP TYPE 6
- CG13 CURB RAMP TYPE 5
- CG41 CURB RAMP TYPE 3 (MODIFIED)
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM02 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CM04 MAINTENANCE OPENING
- CM05 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED

RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
143	237STHE+87.72	302.00' RT	250.00'
144*	239STHE+46.41	63.14' RT	2.50'

* RADIUS MEASURED TO FACE OF CURB

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: STH 11	SHEET 74	E

2



PAVEMENT DETAIL LEGEND

- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CG11 CURB RAMP TYPE 6
- CG41 CURB RAMP TYPE 3 (MODIFIED)
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM05 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED

RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
145*	240STHE+38.92	84.79'LT	2.50'
146	242STHE+04.43	322.00'LT	250.00'

* RADIUS MEASURED TO FACE OF CURB

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: STH 11	SHEET 75	E

2

N

WETLAND BOUNDARY (TYP)

TLE

PROPOSED R/W

STHE+71.49
62.50' LT

DR03

35'

DR01

STHE+16.49
62.50' LT

R/L STH 11 WB

SLOPE INTERCEPT (TYP.)

DR01

STHE+25.31
48.00' LT

DR03

MATCHLINE 245STHE75

246STHW

247STHW

248STHW

249STHW

250STHW

251STHW

MATCHLINE 251STHE+50

CG06

CP20

CM04

CM05

CM01

12'

STHE+68.57
36.00' LT

STHE+44.41
36.00' LT

STHE+17.35
36.00' LT

STHE+38.98
29.95' LT

STHE+21.96
12.00' LT

147

148

149

150

151

152

STHE+98.59
12.00' LT

STHE+27.37
14.50' LT

STHE+47.86
16.62' LT

STHE+10.02
19.19' LT

STH 11

STHE+37.78
0.00'

246STHE

247STHE

248STHE

249STHE

250STHE

251STHE

STHE+37.41
16.17' LT

STHE+24.35
10.75' LT

STHE+54.29
0.00'

STHE+34.78
2.50'

STHE+44.04
36.00' RT

STHE+39.09
29.98' RT

8'

10'

R/L STH 11 EB

FUTURE SHARED USE PATH

PROPOSED R/W

TLE

PAVEMENT DETAIL LEGEND

- CG02 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A
- CG06 CONCRETE CURB AND GUTTER 30-INCH TYPE A
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM04 MAINTENANCE OPENING
- CM05 CONCRETE SIDEWALK, 5-INCH
- CP20 CONCRETE PAVEMENT 10-INCH, DOWELED
- DR01 CONCRETE DRIVEWAY 6-INCH
- DR03 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH

RADIUS TABLE (CENTER OF RADIUS)

POINT	STATION	OFFSET	RADIUS
147	247STHE+21.96	87.00' LT	75.00'
148	247STHE+44.41	26.00' LT	10.00'
149	248STHE+17.35	26.00' LT	10.00'
150	248STHE+54.29	60.00' LT	60.00'
151	248STHE+44.04	1,576.00' LT	1,612.00'
152	250STHE+37.78	15.00' LT	15.00'

2

2

N

TLE

PROPOSED R/W

DR03

DR01

R/L STH 11 WB

STHE+70.02
42.23' LT

DR01

STHE+93.15
26.68' LT

DR03
35'

STHE+37.80
26.50' LT

STHE+75.00
24.00' LT

CG07

STHE+25.00
24.00' LT

CG06

156

CG06

CP20

12'

AP26

MATCHLINE 251STHE+50

STHE+86.81
13.50' LT

252STHW

CM01

STHE+40.40
7.98' LT

253STHW

STH 11

254STHW

CP20

155

CM05

157

253STHE

254STHE

CP20

255STHE

AP26

256STHE

257STHE

STHE+84.61
5.93' LT

252STHE

STHE+10.20
0.00'

STHE+40.04
0.00'

CP20

STHE+25.00
24.40' RT

STHE+05.00
23.32' RT

MATCHLINE 257STHE+50

CM01

CG06

CG07

158

R/L STH 11 EB

STHE+39.92
24.00' RT

STHE+75.00
24.00' RT

FUTURE SHARED USE PATH

SLOPE INTERCEPT (TYP.)

PROPOSED R/W

TLE

PAVEMENT DETAIL LEGEND

AP26	HMA PAVEMENT TYPE 4 LT 58-28 S, 2" (UPPER LAYER) HMA PAVEMENT TYPE 3 LT 58-28 S, 3" (LOWER LAYER)
CG06	CONCRETE CURB AND GUTTER 30-INCH TYPE A
CG07	CONCRETE CURB AND GUTTER 30-INCH TYPE D
CM01	CONCRETE MEDIAN SLOPED NOSE TYPE 1
CM05	CONCRETE SIDEWALK, 5-INCH
CP20	CONCRETE PAVEMENT 10-INCH, DOWELED
DR01	CONCRETE DRIVEWAY 6-INCH
DR03	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH

RADIUS TABLE (CENTER OF RADIUS)

POINT	STATION	OFFSET	RADIUS
155	251STHE+86.36	9.53' LT	4.00'
156	251STHE+10.20	60.00' LT	60.00'
157	252STHE+40.04	4.00' LT	4.00'
158	254STHE+39.92	1,780.00' RT	1,756.00'

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: STH 11	SHEET 77	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H PLOT DATE : 8/1/2025 12:53:22 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

2

N

MATCHLINE 257STHE+50

258STHE

259STHE

260STHE

261STHE

262STHE

263STHE

CG25

FUTURE SHARED USE PATH

EXISTING CURB AND GUTTER (TYP.)

PROPOSED R/W

TLE

SLOPE INTERCEPT (TYP.)

FLAG

END CONSTRUCTION

STA 260STHE+92.77

X=606683.15

Y=175458.73

PAVEMENT DETAIL LEGEND

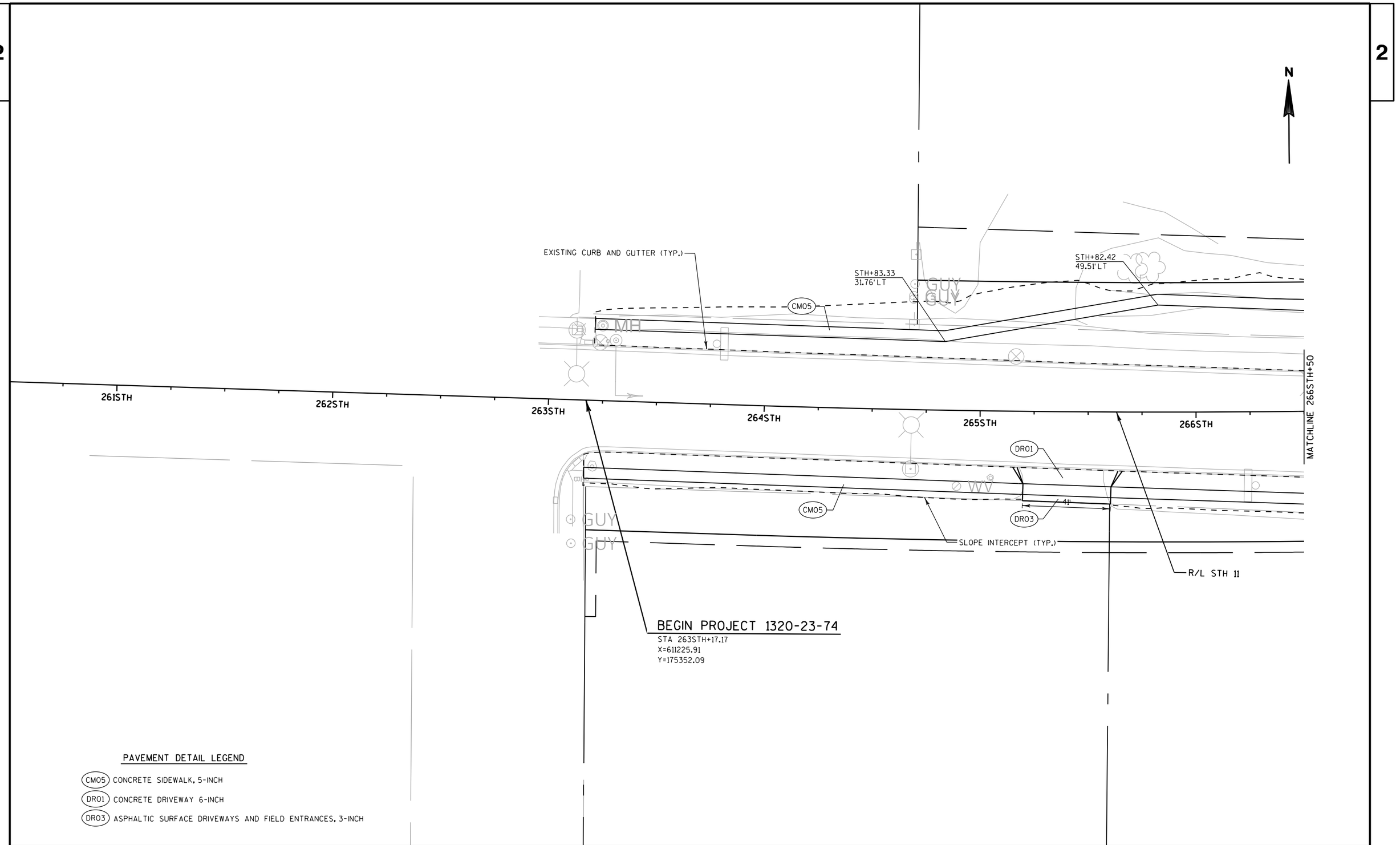
CG25 CURB RAMP TYPE 7B

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: STH 11	SHEET 78	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\Layout1.dgn PLOT DATE : 8/30/2021 2:33:40 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2



PAVEMENT DETAIL LEGEND

- (CM05) CONCRETE SIDEWALK, 5-INCH
- (DR01) CONCRETE DRIVEWAY 6-INCH
- (DR03) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: STH 11/WILLOW ROAD	SHEET 79 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H PLOT DATE : 8/1/2023 12:33:45 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

2

2

N

STH+67.15
54.04'LT

EXISTING CURB AND GUTTER (TYP.)

CM05

STH+71.83
37.46'LT

GUY

GUY

GUY

GUY

MATCHLINE 266STH+50

267STH

268STH

269STH

270STH

271STH

272

MATCHLINE 272STH+00

DR01

STH+47.54
43.11'LT

STH+90.07
49.47'LT

DR01

40'

47'

DR03

DR03

CM05

STH+03.58
57.96'RT

STH+70.62
65.92'RT

STH+65.45
58.00'RT

R/L STH 11

SLOPE INTERCEPT (TYP.)

TEL

POST

MAIL BOX

PAVEMENT DETAIL LEGEND

CM05 CONCRETE SIDEWALK, 5-INCH

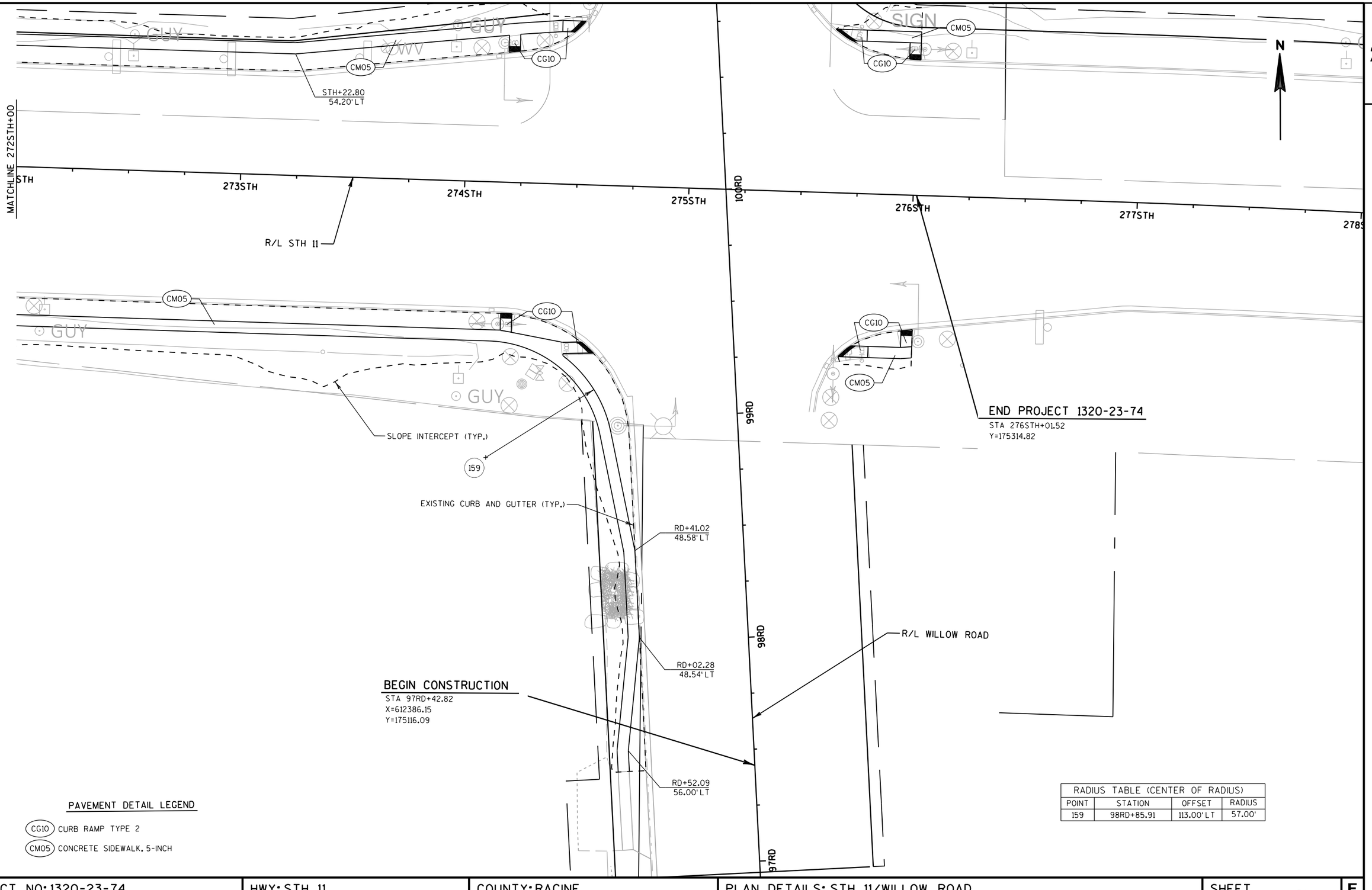
DR01 CONCRETE DRIVEWAY 6-INCH

DR03 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: STH 11/WILLOW ROAD	SHEET 80	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE = 8/1/2024 12:53:51 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42



PAVEMENT DETAIL LEGEND

(CG10) CURB RAMP TYPE 2

(CM05) CONCRETE SIDEWALK, 5-INCH

RADIUS TABLE (CENTER OF RADIUS)			
POINT	STATION	OFFSET	RADIUS
159	98RD+85.91	113.00'LT	57.00'

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	PLAN DETAILS: STH 11/WILLOW ROAD	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H... PLOT DATE: 8/12/2021 12:53:57 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

2



PROJECT NO: 3760-00-72	HWY: LOUIS SORENSON	COUNTY: RACINE	PLAN DETAILS: LOUIS SORENSON	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 10/31/2019 8:23:25 AM PLOT BY : dbaumann PLOT NAME : PLOT SCALE : 400:1

WISDOT/CADDS SHEET 42

2

N

BRAUN ROAD

ISABRW

R/L CTH H SB

CTH H

MATCHLINE 868HN+85

857HS 858HS 859HS 860HS 861HS 862HS

857HN 858HN 859HN 860HN 861HN 862HN

737.12 737.18 737.78 737.74 737.80 737.90 737.39 737.31

737.87 737.69 737.51 737.27 737.05

737.39 737.57 737.75 737.69 737.72

737.14 737.39 737.63 737.56 737.50

736.87 737.02 737.26 737.50 737.75

736.78 736.90 737.14 737.38 737.62

736.65 736.76 737.00 737.25 737.50

736.52 736.61 736.85 737.12 737.36

736.36 736.43 736.67 736.96 737.20

736.19 736.24 736.48 736.79 737.03

736.00 736.03 736.26 736.59 736.83

735.79 736.03 736.50 736.37 736.61

735.55 735.79 736.27 736.13 736.37

735.31 735.55 736.03 735.89 736.12

735.07 735.31 735.79 735.64 735.87

734.83 735.07 735.31 735.39 735.62

734.59 734.83 735.07 735.15 735.38

734.39 734.59 734.82 734.90 735.13

734.21 734.34 734.58 734.65 734.88

734.03 734.10 734.34 734.40 734.63

733.86 733.86 734.10 734.15 734.38

733.62 733.66 733.90 733.90 734.13

733.42 733.51 733.75 733.67 733.91

733.27 733.52 733.76

733.43 733.28

736.98 736.90 736.88 736.81 736.71 736.55 736.35 736.13 735.89 735.64 735.39 735.15 734.90 734.65 734.40 734.15 733.90 733.65

736.89 736.77 736.64 736.53 736.40 736.25 736.08 735.89 735.71

1%

2%

BEGIN PROJECT 3760-00-71

STA 857HN+68.00

X=604646.00

Y=170359.02

R/L CTH H NB

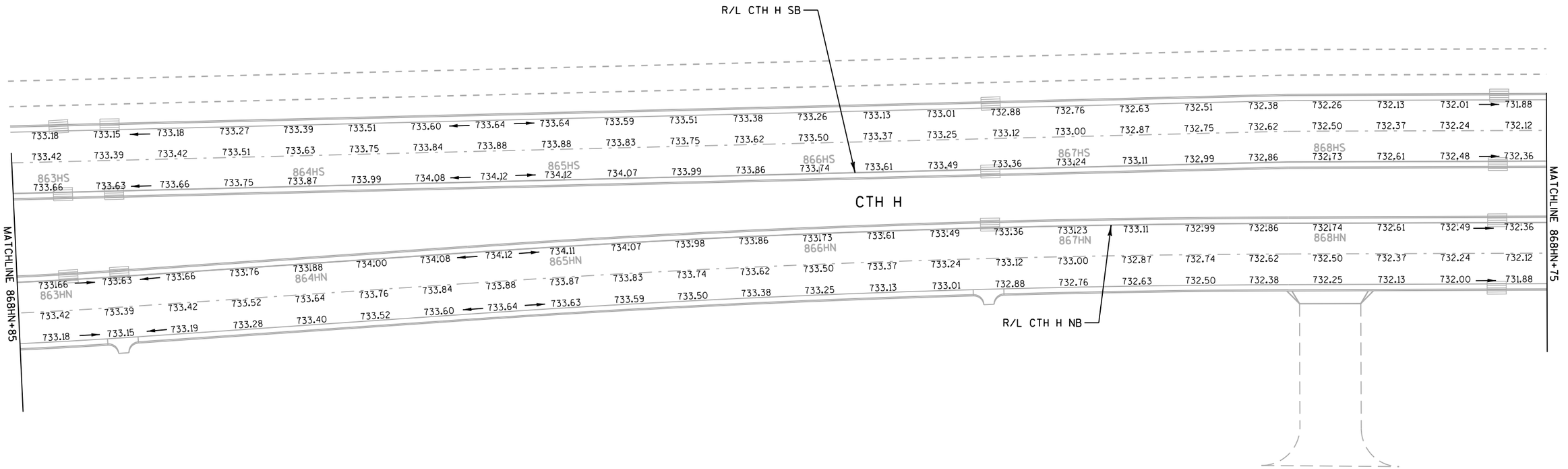
NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 83	E

2

N



NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 84	E

2

N

R/L CTH H SB

MATCHLINE 868HN+75

MATCHLINE 874HN+85

CTH H

R/L CTH H NB

731.75 → 731.63	731.50	731.38	731.25	731.13	731.00	730.88	730.76	730.63	730.51	730.38	730.26	730.13	730.00	729.88	729.75	729.63	729.50	729.38	729.26	729.13	729.01 → 728.88
731.99	731.87	731.74	731.62	731.50	731.37	731.25	731.12	731.00	730.87	730.74	730.62	730.49	730.37	730.24	730.12	729.99	729.87	729.75	729.62	729.50	729.37	729.25	729.12
869HS				870HS				871HS				872HS				873HS				874HS			
732.23 → 732.11	731.99	731.86	731.74	731.61	731.49	731.36	731.23	731.11	730.98	730.86	730.73	730.61	730.49	730.36	730.24	730.11	729.99	729.86	729.74	729.61	729.48 → 729.36
					731.60				731.06												729.56
					731.60		731.47	731.35														729.60
					731.60				731.06												729.56
732.24 → 732.11	731.98	731.86	731.73	731.61	731.48	731.36	731.24	731.11	730.99	730.86	730.74	730.61	730.49	730.36	730.23	730.11	729.98	729.86	729.73	729.61	729.49 → 729.36
869HN			870HN				871HN				872HN				873HN				874HN		
731.99	731.87	731.74	731.62	731.49	731.37	731.25	731.12	731.00	730.87	730.75	730.62	730.49	730.37	730.24	730.12	729.99	729.87	729.75	729.62	729.50	729.37	729.25	729.12
731.75 → 731.63	731.51	731.38	731.26	731.13	731.01	730.88	730.75	730.63	730.50	730.38	730.25	730.13	730.00	729.88	729.76	729.63	729.51	729.38	729.26	729.13	729.00 → 728.88

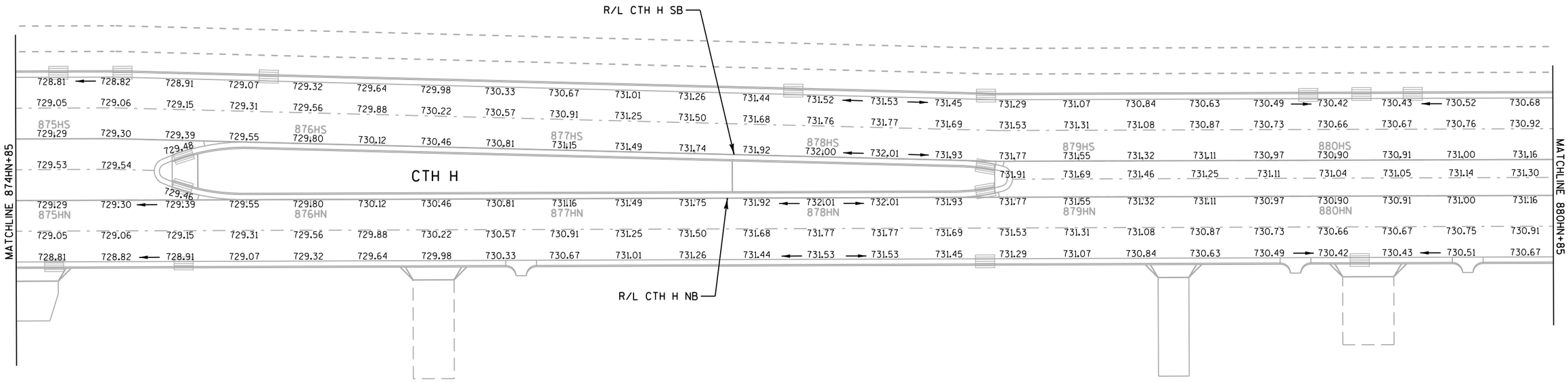
NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 85	E

2

N



NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

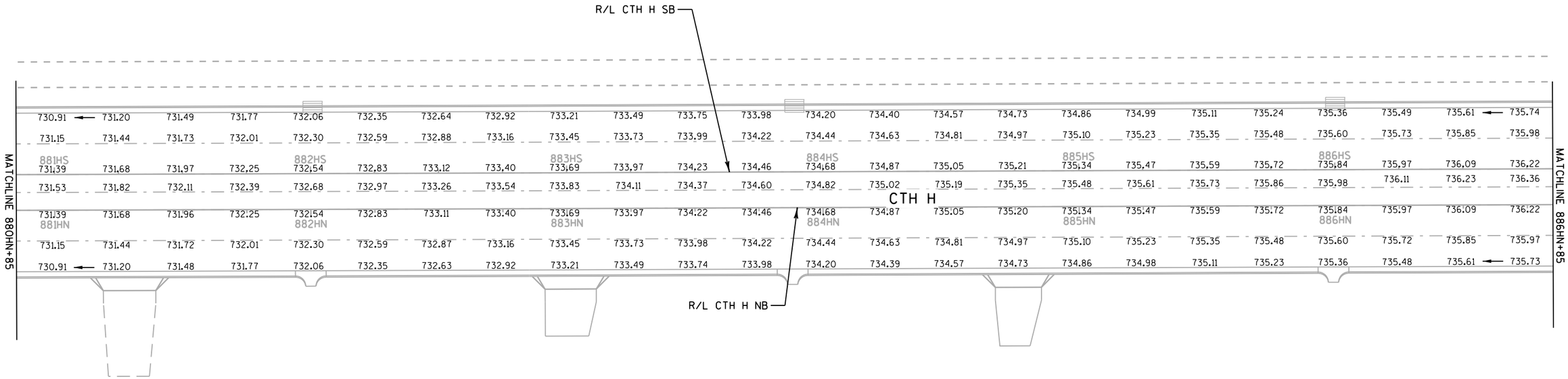
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 86	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2021 8:36:18 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N



NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 87	E

2

N

BEGIN PROJECT 1320-23-71

STA 888HN+00.00
X=604596.60
Y=173390.12

R/L CTH H SB

R/L CTH H NB

MATCHLINE 886HN+85

MATCHLINE 892HN+85

CTH H

887HS 888HS 889HS 890HS 891HS 892HS

887HN 888HN 889HN 890HN 891HN 892HN

735.86 735.99 736.11 736.24 736.36 736.49 736.61 736.74 736.86 736.99 737.11 737.24 737.36 737.46 737.51 737.50 737.44 737.33 737.21 737.08 736.96 736.83 736.71 736.58

736.10 736.23 736.35 736.48 736.60 736.73 736.85 736.98 737.10 737.23 737.35 737.48 737.60 737.70 737.75 737.74 737.68 737.57 737.45 737.32 737.20 737.07 736.95 736.82

736.34 736.47 736.59 736.72 736.84 736.97 737.09 737.22 737.34 737.47 737.59 737.72 737.84 737.94 737.99 737.98 737.92 737.81 737.69 737.56 737.44 737.31 737.19 737.06

736.48 736.61 736.73 736.86 736.98 737.11 737.23 737.36 737.48 737.61 737.73 737.86 737.98 738.08 738.13 738.12 738.06 737.95 737.83 737.70 737.58 737.45 737.33 737.20

736.34 736.46 736.59 736.71 736.84 736.96 737.09 737.21 737.34 737.47 737.59 737.72 737.84 737.94 737.99 737.98 737.92 737.82 737.69 737.56 737.44 737.31 737.19 737.06

736.10 736.22 736.35 736.47 736.60 736.73 736.85 736.98 737.10 737.23 737.35 737.48 737.60 737.70 737.75 737.74 737.68 737.58 737.45 737.32 737.20 737.07 736.95 736.82

735.86 735.99 736.11 736.24 736.36 736.49 736.61 736.74 736.86 736.98 737.11 737.23 737.36 737.46 737.51 737.50 737.44 737.33 737.21 737.08 736.96 736.83 736.71 736.58

737.49 737.31 737.57 737.39

END PROJECT 3760-00-71

STA 888HN+00.00
X=604596.60
Y=173390.12

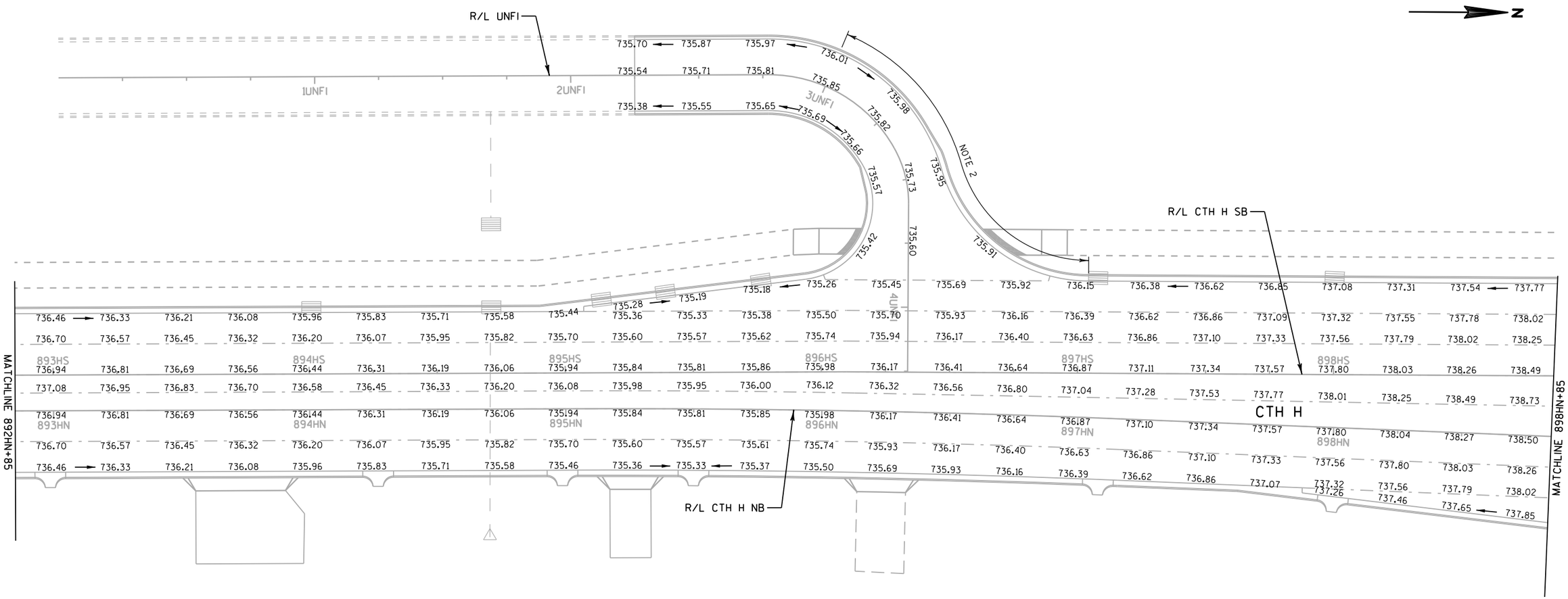
NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PROFILE\plan\1320231201_28.dgn PLOT DATE : 8/1/2023 12:56:28 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 40:1

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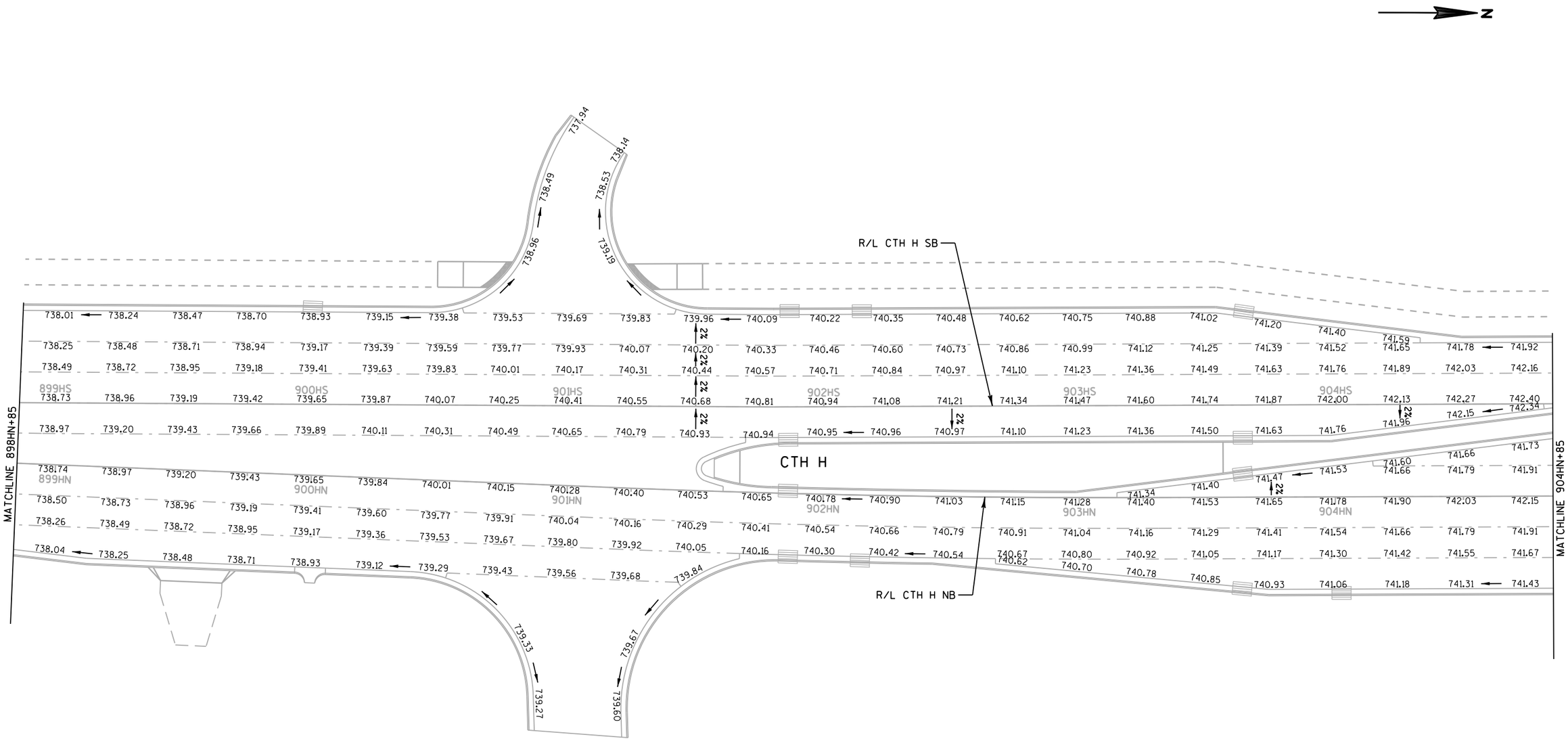


NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 89	E

2

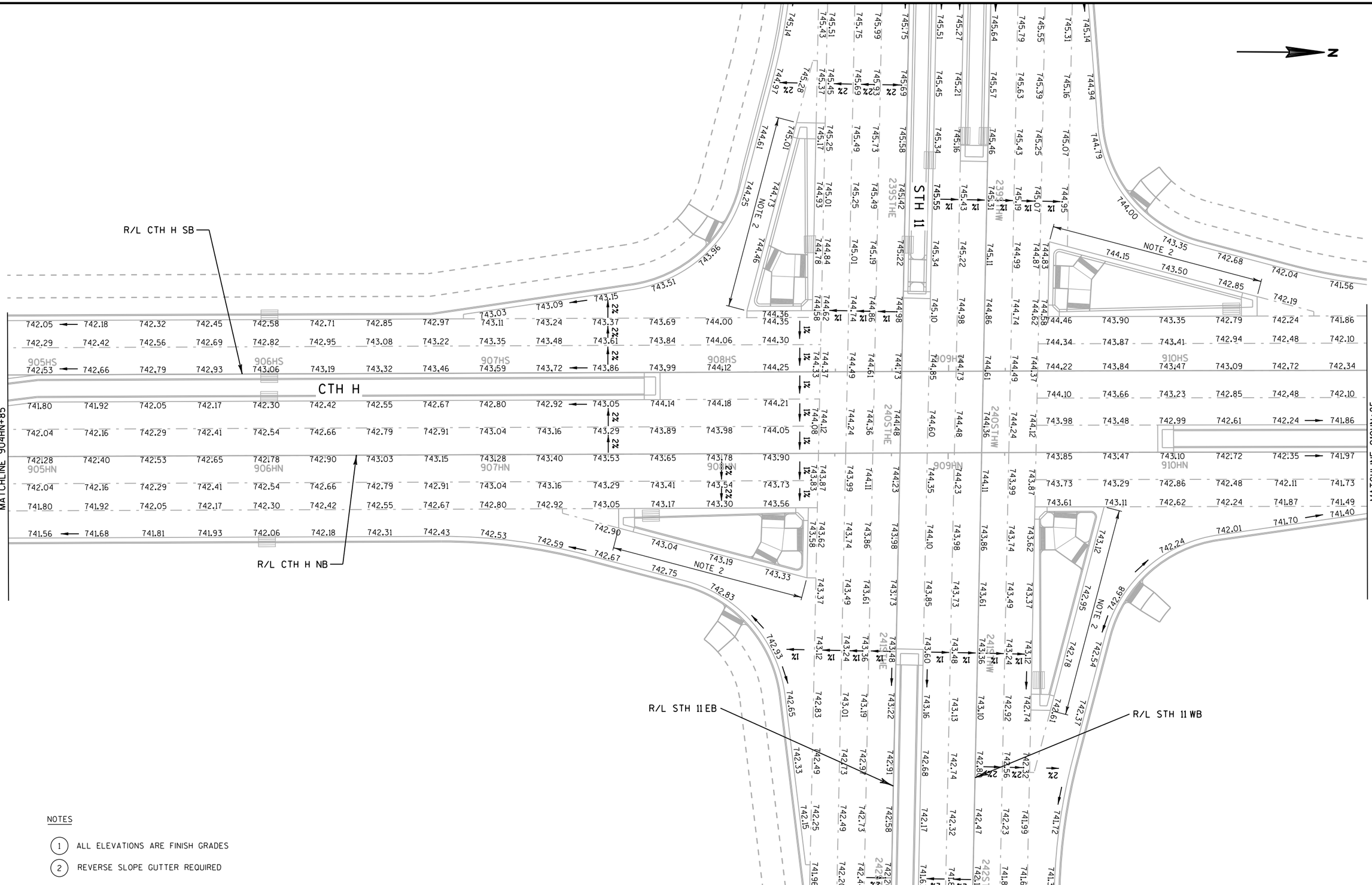


NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 90	E

2

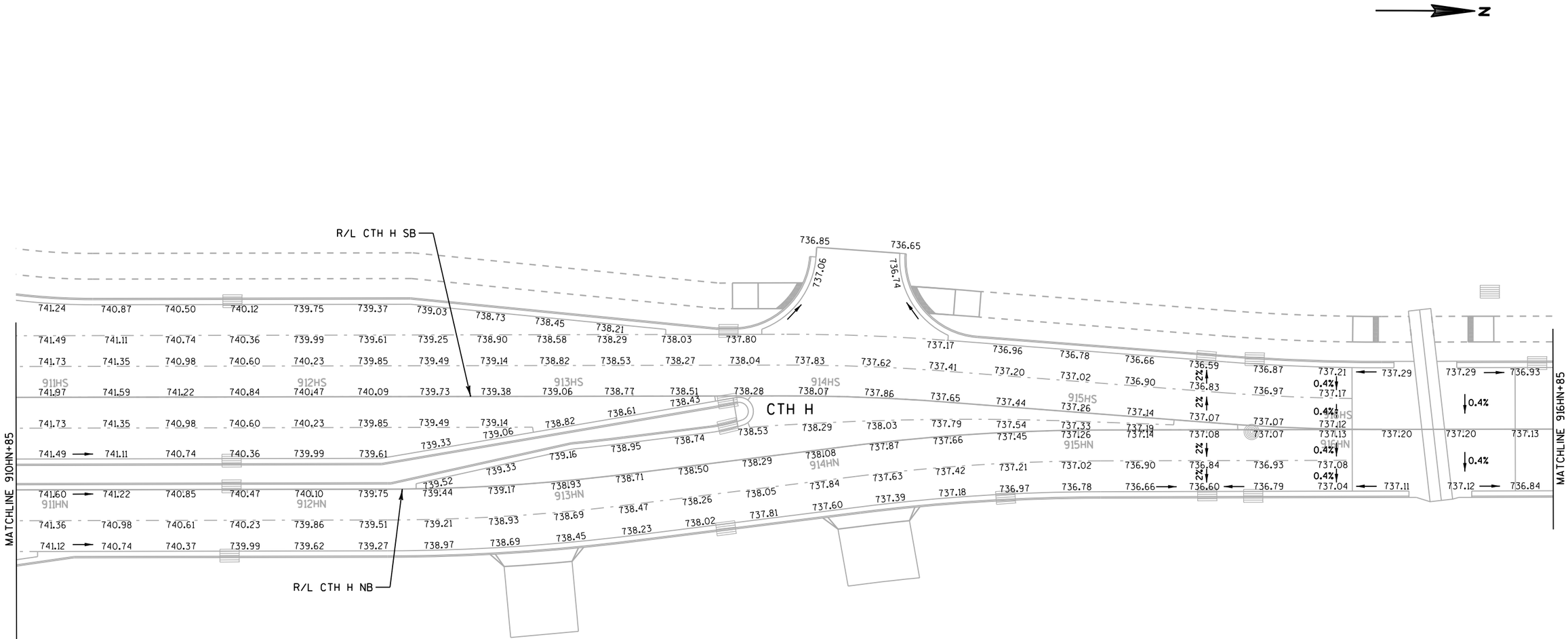


NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 91	E

2



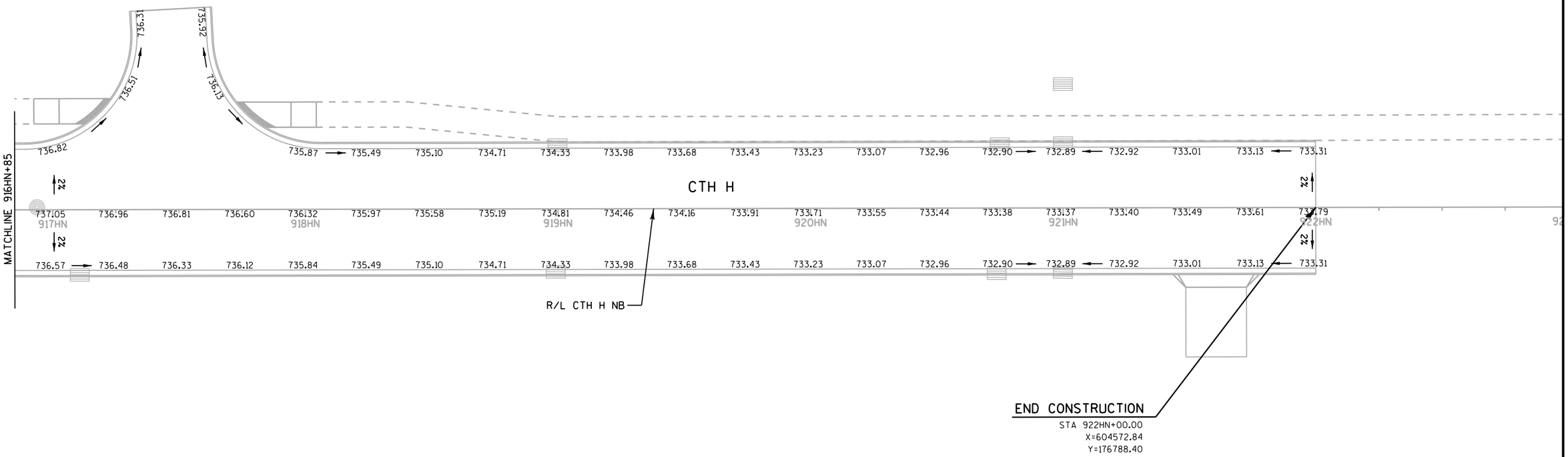
NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 92	E

2

N

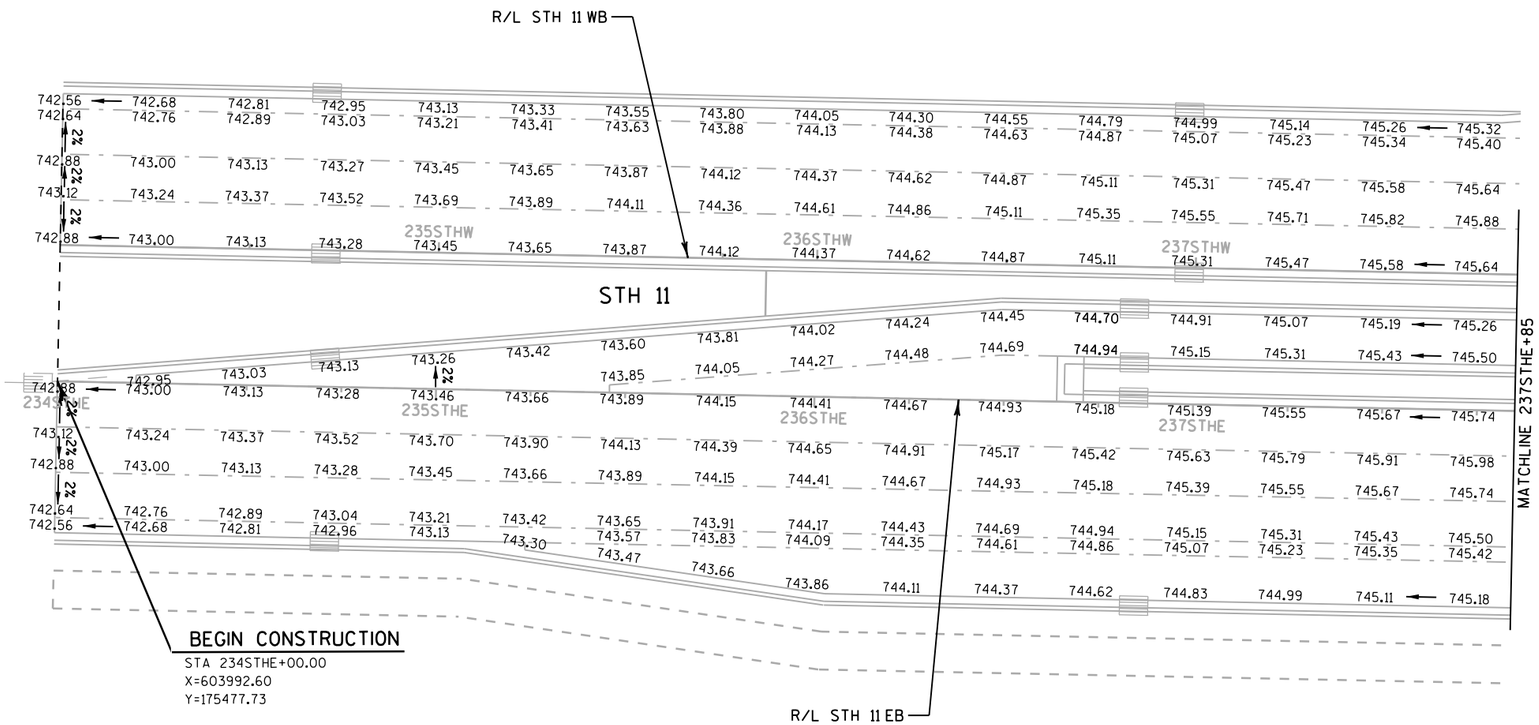


NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVING GRADES: CTH H	SHEET 93	E

2

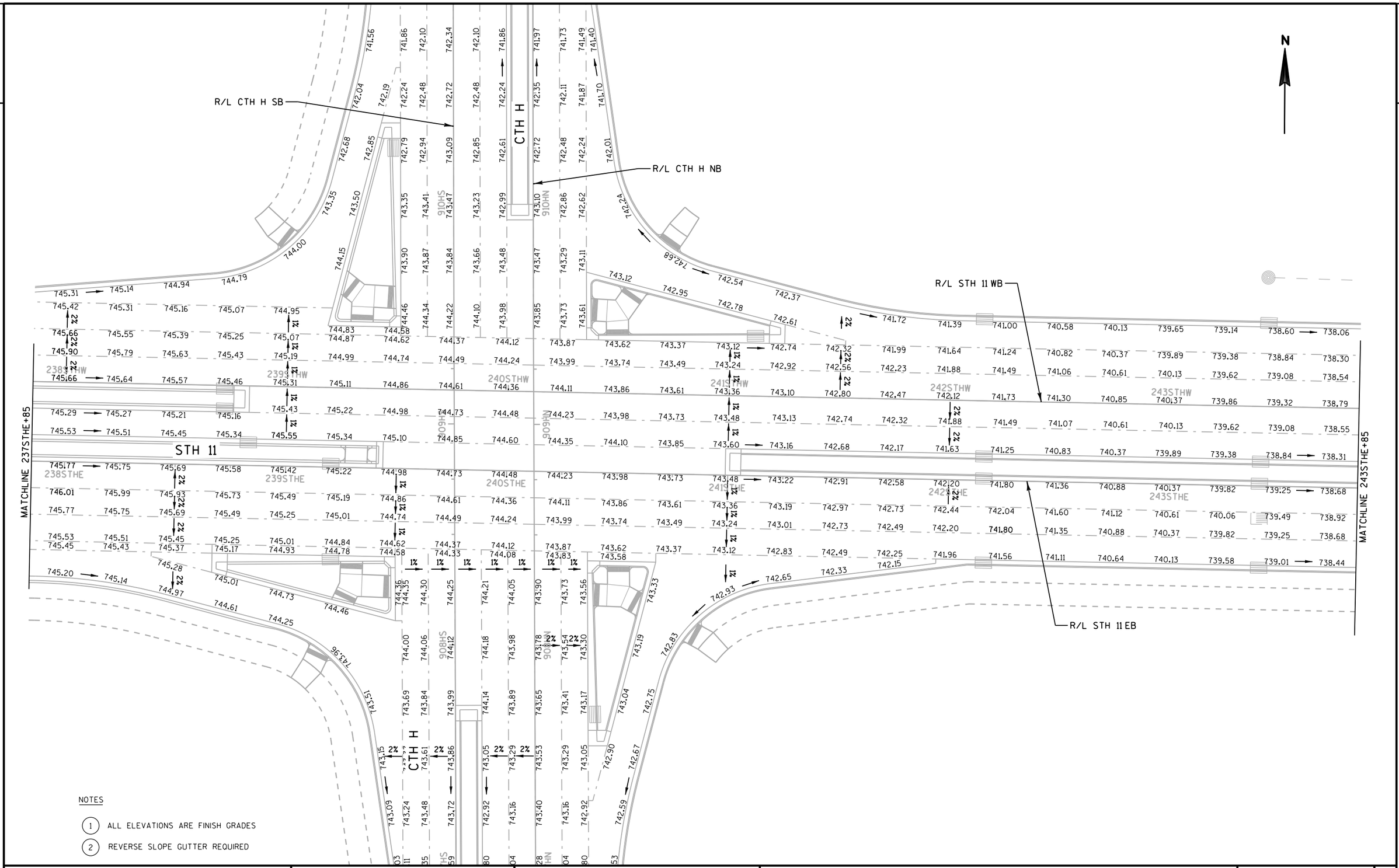


NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

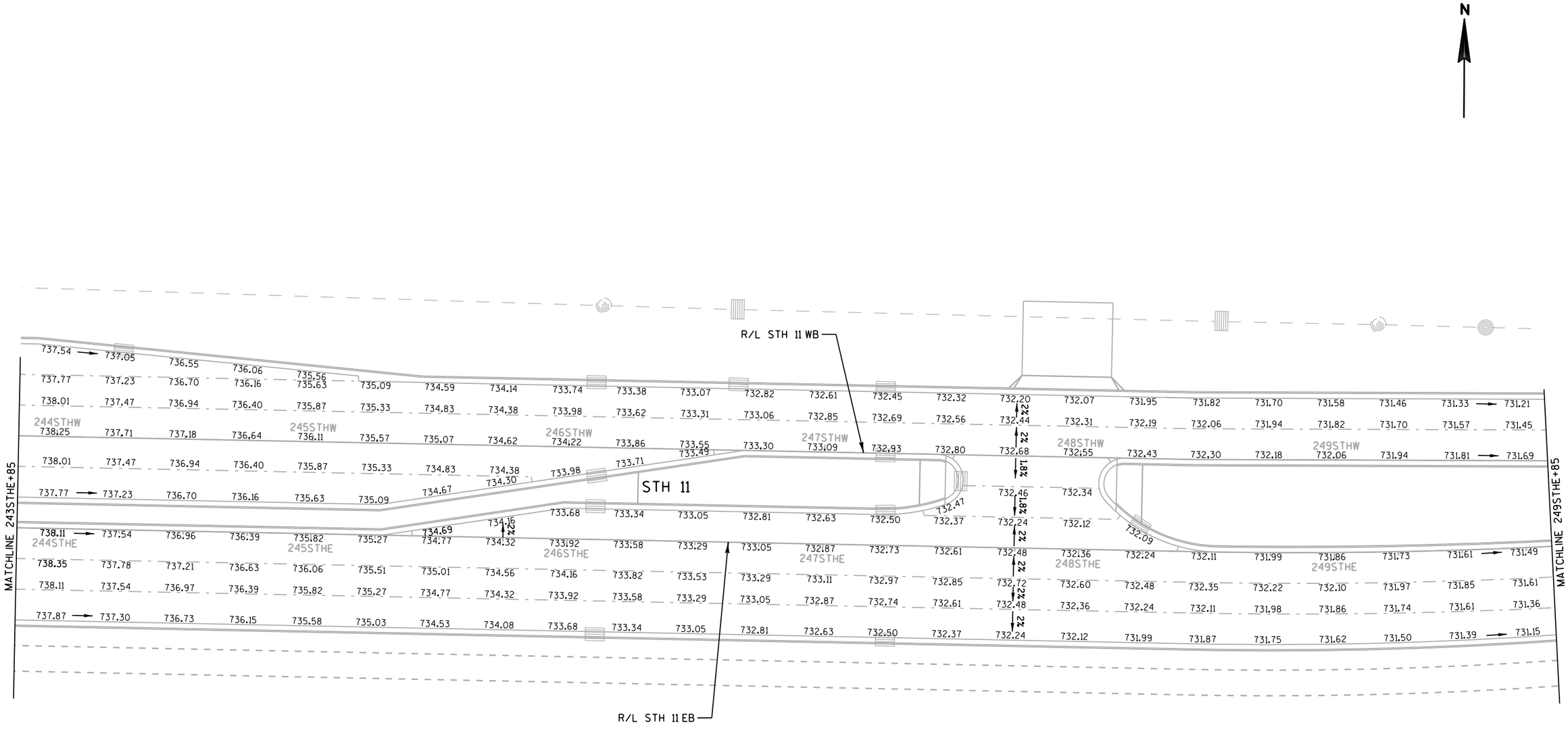
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVING GRADES: STH 11	SHEET 94	E

2



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVING GRADES: STH 11	SHEET 95	E

2



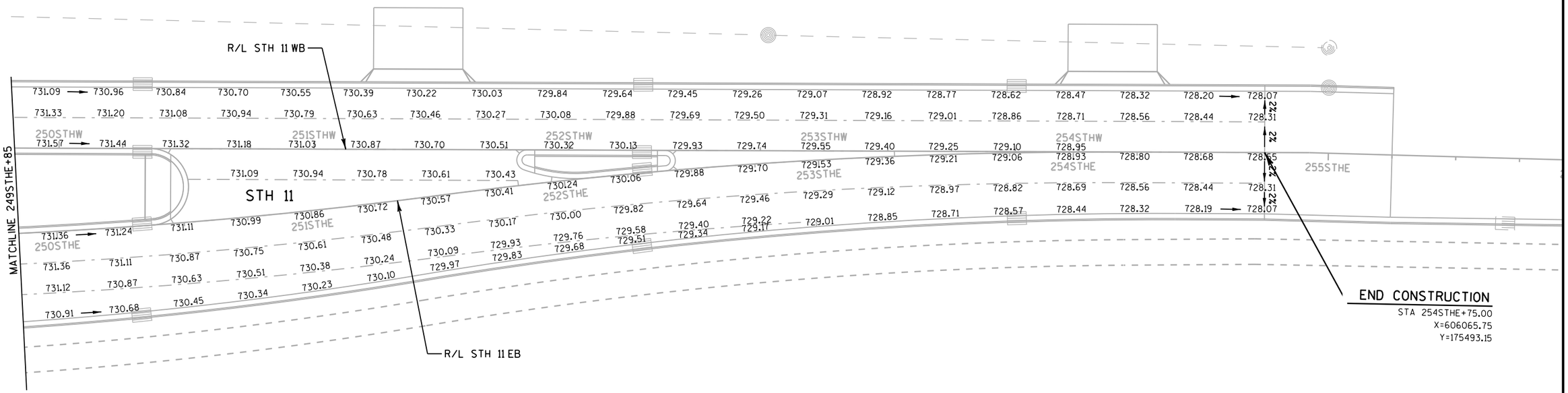
NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVING GRADES: STH 11	SHEET 96	E

2

N



NOTES

1. ALL ELEVATIONS ARE FINISH GRADES
2. REVERSE SLOPE GUTTER REQUIRED

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVING GRADES: STH 11	SHEET 97	E

2

NOTES

THESE PLANS AND THE ASSOCIATED SPECIAL PROVISIONS REFLECT CONDITIONS KNOWN DURING THE DEVELOPMENT OF THE PLANS AND TECHNICAL SPECIAL PROVISIONS. ALL SCALES, DIMENSIONS AND LOCATIONS SHOWN IN THESE PLANS ARE APPROXIMATE. ACTUAL PHYSICAL FIELD CONDITIONS SHALL PROVIDE THE BASIS FOR THE APPLICATION OF WORK SHOWN IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE APPLICATION OF ALL WORK SHOWN IN THE PLANS TO THE ACTUAL PHYSICAL FIELD CONDITIONS TO PROVIDE A COMPLETE AND ACCEPTED PROJECT. IN THE EVENT THAT ACTUAL PHYSICAL FIELD CONDITIONS AFFECT OR PREVENT THE APPLICATION OR PROGRESSION OF ANY WORK SHOWN IN THE PLANS OR TECHNICAL SPECIAL PROVISIONS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY, AND PRIOR TO ANY FURTHER WORK ACTIVITY. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY LOCATION CHANGES OTHER THAN MINOR ADJUSTMENTS.

BE AWARE THAT ALL EXISTING UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES WITHIN THE SCOPE OF THIS PROJECT MAY NOT BE LOCATED IN THE PLANS. THE CONTRACTOR IS FULLY RESPONSIBLE FOR LOCATING AND AVOIDING ALL UNDERGROUND AND ABOVE GROUND STRUCTURES AND FACILITIES.

BE AWARE THAT NO TEST BORINGS WERE MADE WHERE CONDUITS, PULLBOXES, POLES, CABINET FOUNDATIONS, OR OTHER EQUIPMENT IS TO BE INSTALLED. THE CONTRACTOR IS FULLY RESPONSIBLE FOR EXAMINING THE JOB SITE CONDITIONS BEFORE SUBMITTING BID PROPOSALS.

NO TREES (AND/OR SHRUBS) ARE TO BE REMOVED WITHOUT APPROVAL OF THE ENGINEER.

AREAS WITHIN THE RIGHT-OF-WAY DISTURBED SPECIFICALLY FOR FTMS CONSTRUCTION ARE TO BE RESTORED TO THE ORIGINAL CONDITION WITH TOPSOIL, FERTILIZER, SEED, AND MULCH. RESTORATION FOR AREAS DISTURBED FOR OTHER CONSTRUCTION OPERATIONS BUT ALSO CONTAINING FTMS CONSTRUCTION WILL BE DONE ACCORDING TO REQUIREMENTS AND PAYMENT PROVISIONS FOR THE OTHER CONSTRUCTION OPERATIONS. NO PAYMENT WILL BE MADE FOR RESTORING AREAS DISTURBED FOR FTMS CONSTRUCTION OPERATIONS.

THE LOCATION OF EXISTING AND PROPOSED UTILITY INSTALLATIONS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

DUE TO RAMP, LANE, SHOULDER CLOSURE RESTRICTIONS, AND WORK UNDER OTHER CONTRACTS, SOME WORK MAY BE REQUIRED TO BE PERFORMED AT NIGHT.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR COORDINATING RAMP, LANE, SHOULDER, AND ROADWAY CLOSURES WITH OTHER CONTRACTS IN THE AREA.

THE CONTRACTOR IS TO CONTACT THE WISDOT TRAFFIC MANAGEMENT CENTER AT (414) 227-2166 FIVE (5) WORKING DAYS PRIOR TO ENTERING ANY EXISTING WISDOT FTMS OR ITS CABINET.

HAND DIG TRENCHES CROSSING EXISTING CONDUIT CONTAINING FIBER OPTIC CABLE.

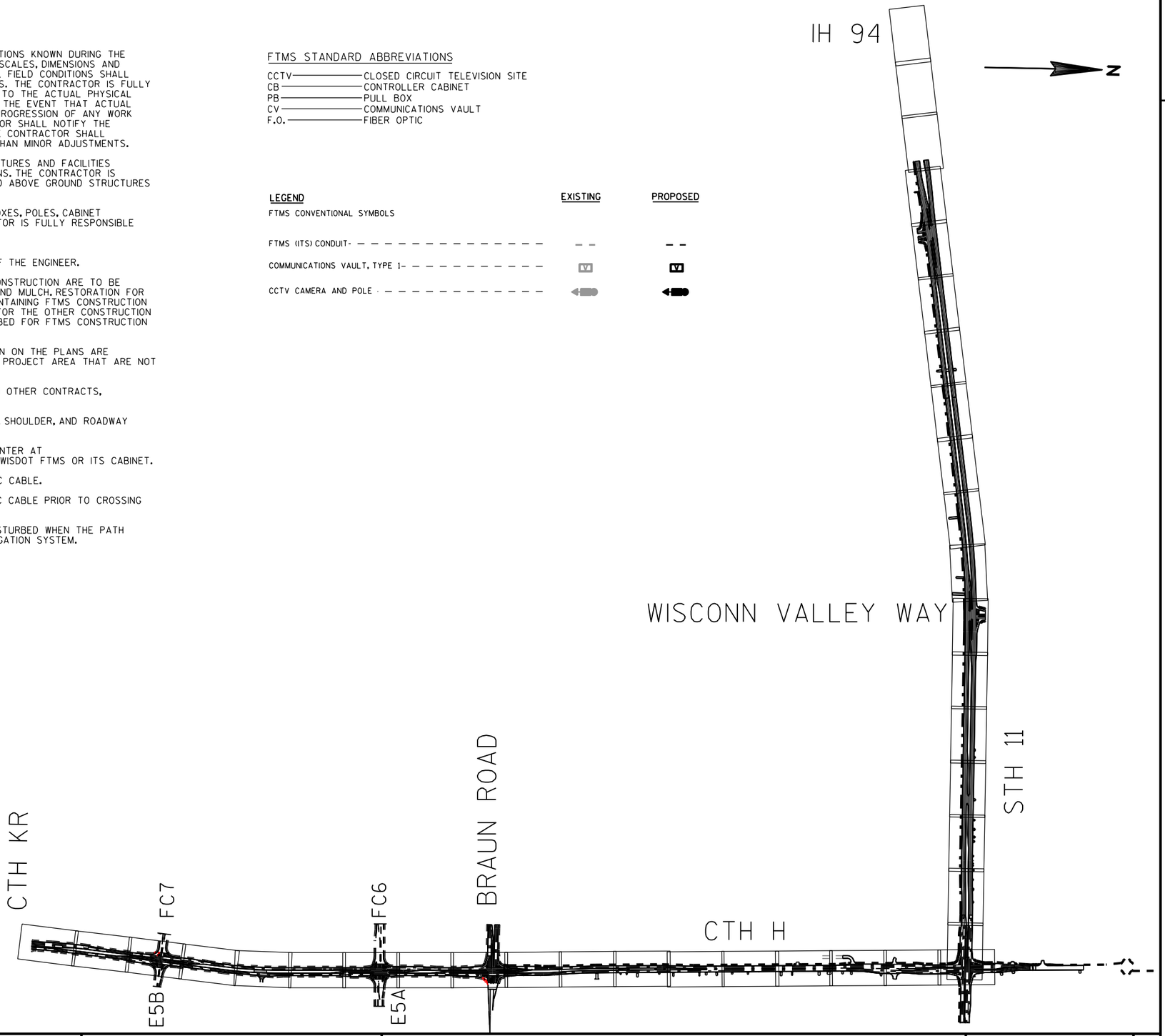
VISUALLY VERIFY DEPTHS OF EXISTING CONDUITS CONTAINING FIBER OPTIC CABLE PRIOR TO CROSSING BY DIRECTIONAL BORE OR SPECIAL METHOD.

INSTALL CONDUIT BELOW FUTURE MULTIUSE PATH SO AS NOT TO BE DISTURBED WHEN THE PATH IS CONSTRUCTED. INSTALL CONDUIT AND VAULTS AROUND PROPOSED IRRIGATION SYSTEM.

FTMS STANDARD ABBREVIATIONS

CCTV — CLOSED CIRCUIT TELEVISION SITE
CB — CONTROLLER CABINET
PB — PULL BOX
CV — COMMUNICATIONS VAULT
F.O. — FIBER OPTIC

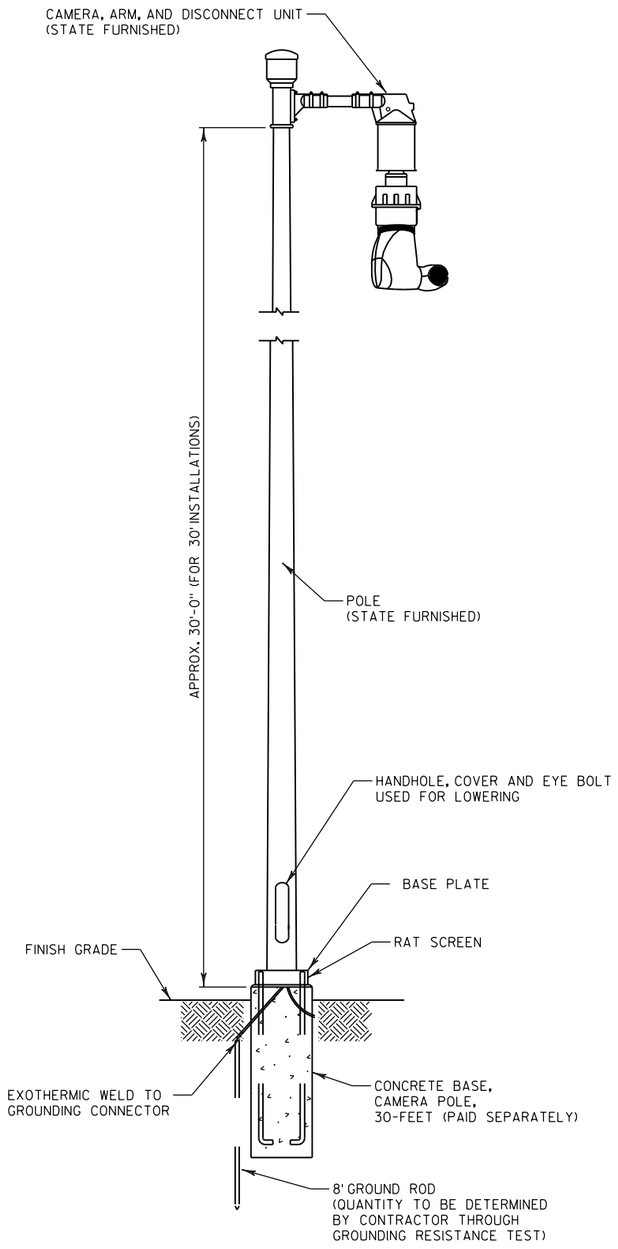
LEGEND	EXISTING	PROPOSED
FTMS CONVENTIONAL SYMBOLS		
FTMS (ITS) CONDUIT		
COMMUNICATIONS VAULT, TYPE 1	CV	CV
CCTV CAMERA AND POLE		



PROJECT NO: 3760-00-71	HWY: CTH H/STH 11	COUNTY: RACINE	ITS PLANS - OVERVIEW	SHEET 98	E

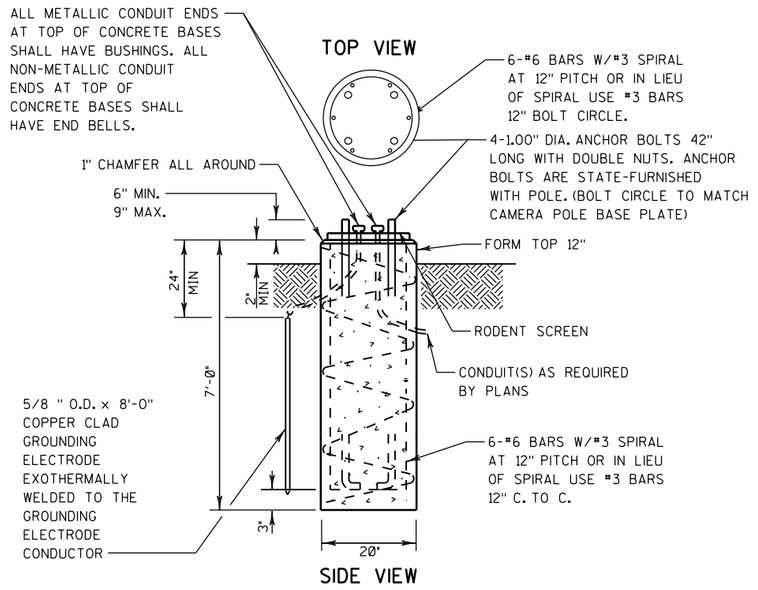
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNO_Plots\3760900103_Ext_FM_Overview.dgn mdonnelly PLOT NAME : PLOT SCALE : 1200:1

WISDOT/CADDS SHEET 42



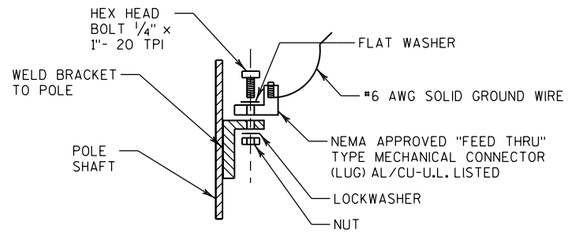
CAMERA POLE WITH CAMERA LOWERING HARDWARE

WITHOUT POLE MOUNTED CABINET



CONCRETE BASE, 30' CAMERA POLE

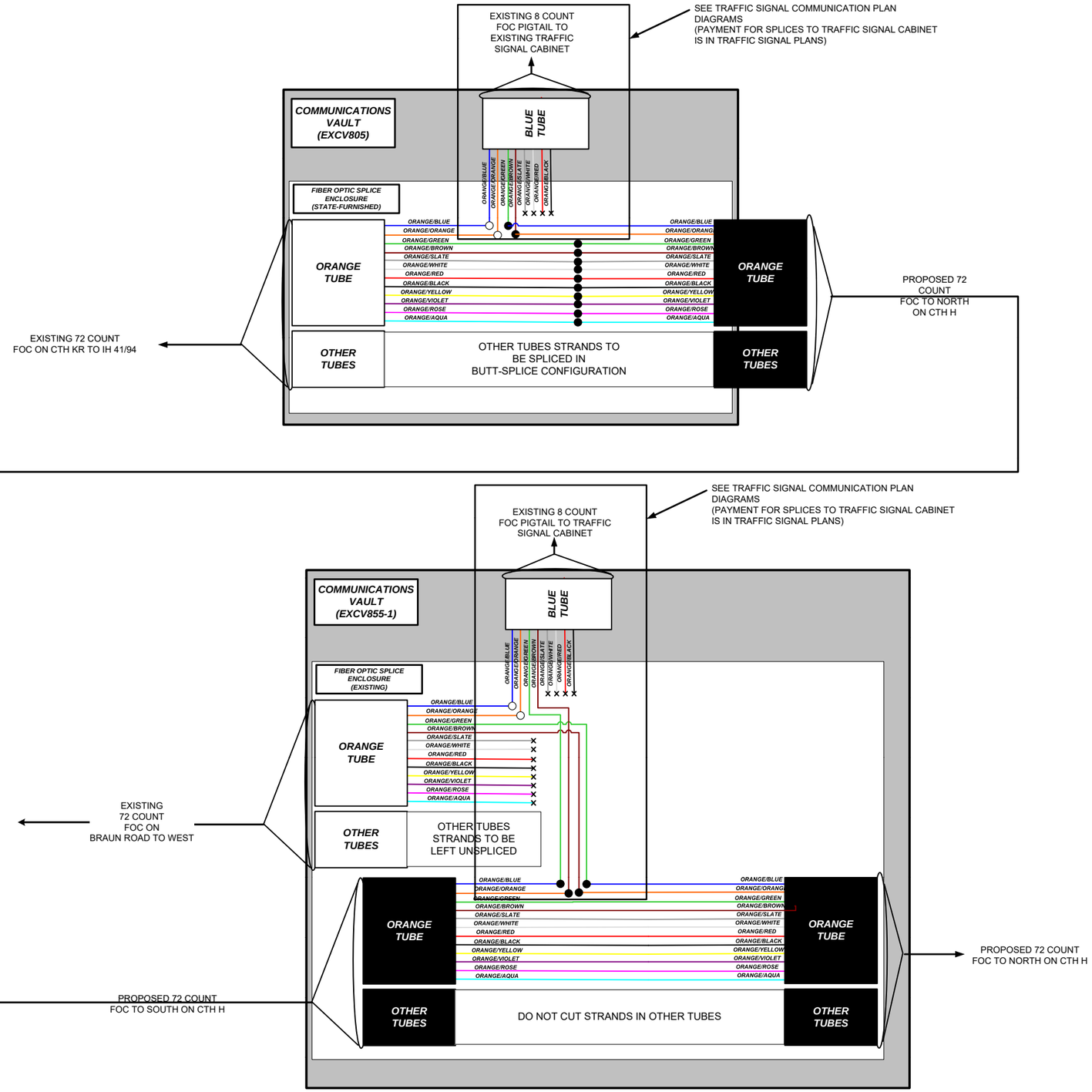
NOT TO SCALE



FIELD INSTALLED GROUNDING LUG

NOTES

1) ALL HARDWARE AND FASTENERS SHALL BE STAINLESS STEEL
2) POLE DRAWINGS SHOWN FOR BIDDING INFORMATION PURPOSES ONLY. POLES WILL BE STATE FURNISHED.
3) CONTRACTOR SHALL CONFIRM BOLT PATTERN OF CAMERA POLE PRIOR TO CONSTRUCTION OF CONCRETE BASE.
4) CONTRACTOR SHALL INSTALL GROUNDING LUG AS SHOWN

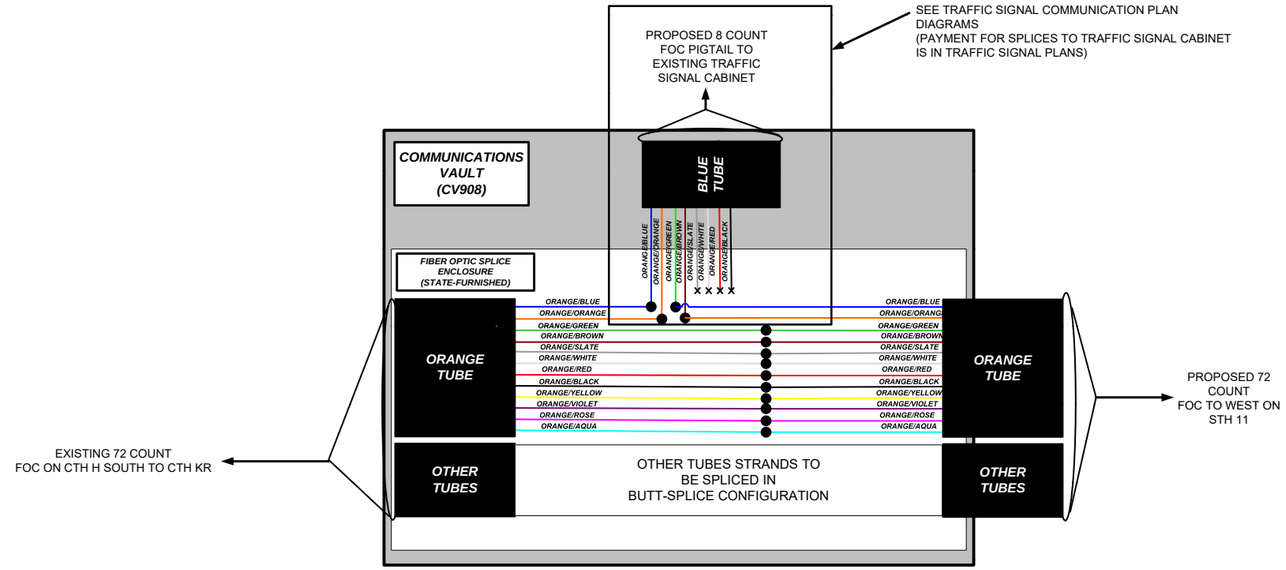


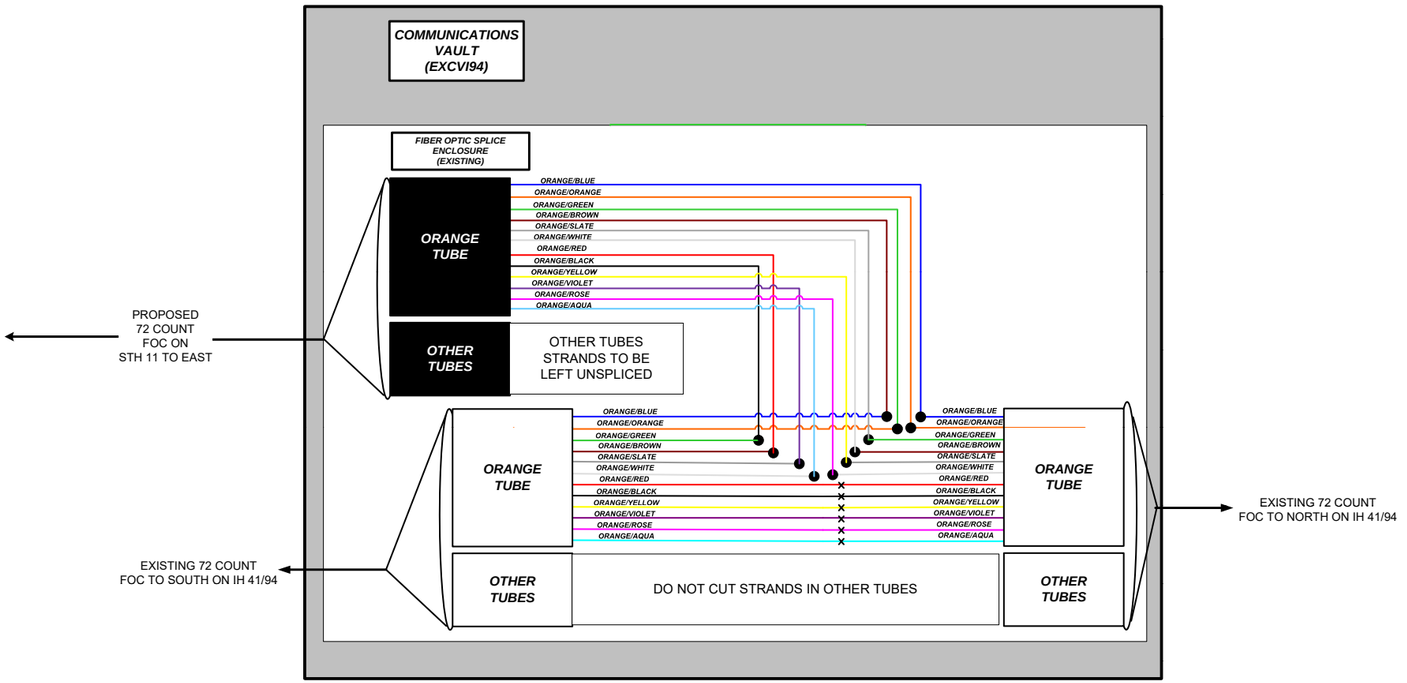
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PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS - COMMUNICATIONS DETAILS	SHEET F.

FILE NAME : $$....designfile....$$ PLOT DATE : $$...plottingdate...$$ PLOT BY : $$...plotuser...$$ PLOT NAME : $FILE$ PLOT SCALE : $$.....plotscale.....$$

2





PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS - COMMUNICATIONS DETAILS	SHEET	E

2

2

N

EXCV805
(72) F.O. SPLICES
IN EXISTING SPLICE ENCLOSURE

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

CTH KR

CTH H

MH

804HS
805HS
806HS
807HS
808HS
809HS
810HS

804HN
805HN
806HN
807HN
808HN
809HN

MATCHLINE 810HN+00

450
451
452

720
715

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET 102	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNP_Plans\1_30_2023_4_15_51.dgn PLOT DATE : 1/30/2023 4:15:51 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

2

N

OH

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

EXCV813

811HS 812HS 813HS 814HS 815HS 816HS

MATCHLINE 810HN+00

CTH H

811HN 812HN 813HN 814HN 815HN 816HN

MATCHLINE 816HN+00

AN SAN SAN SAN SAN

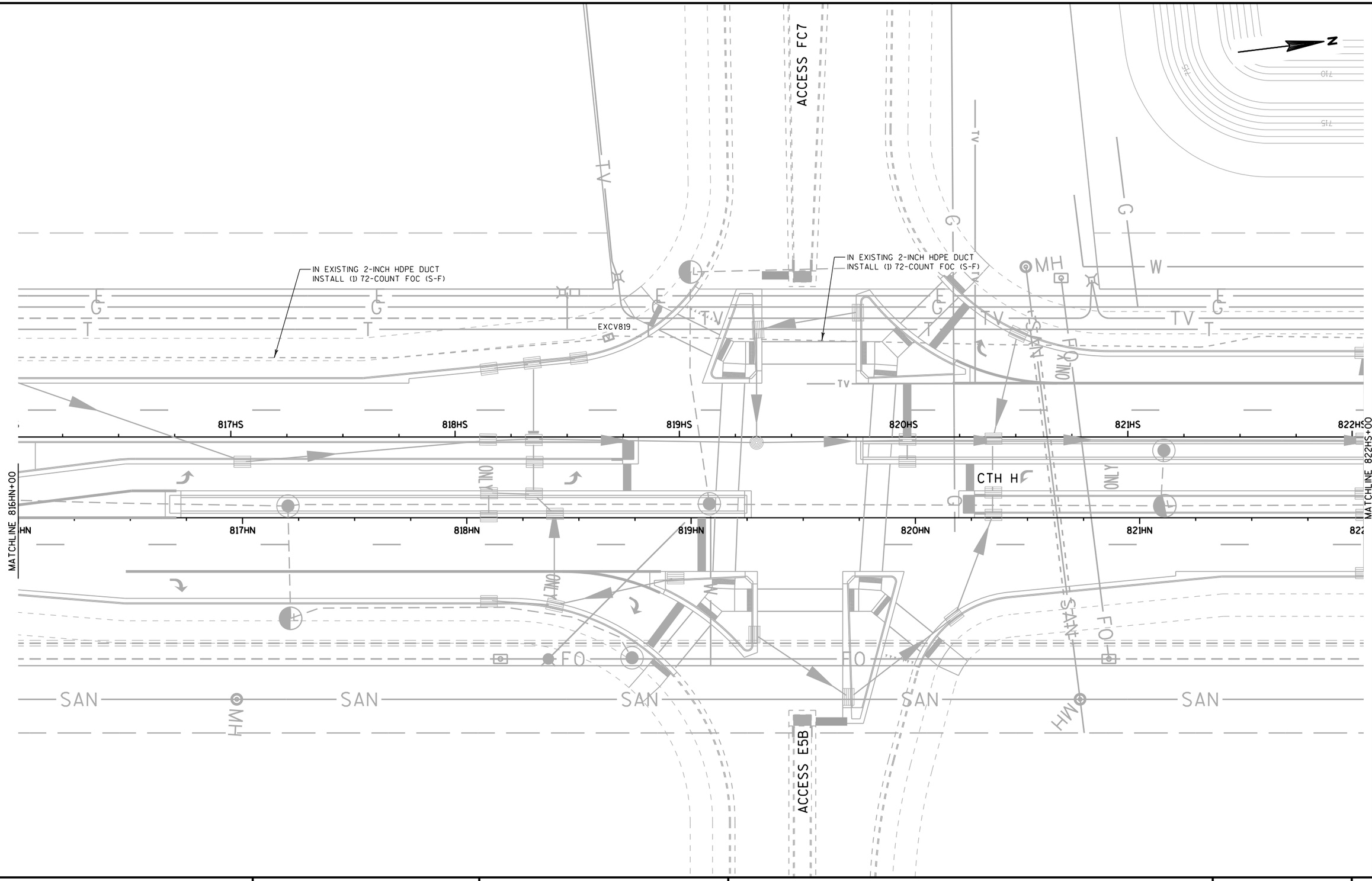
MH

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS_Plans.dgn PLOT DATE: 1/30/2023 2:25:21 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

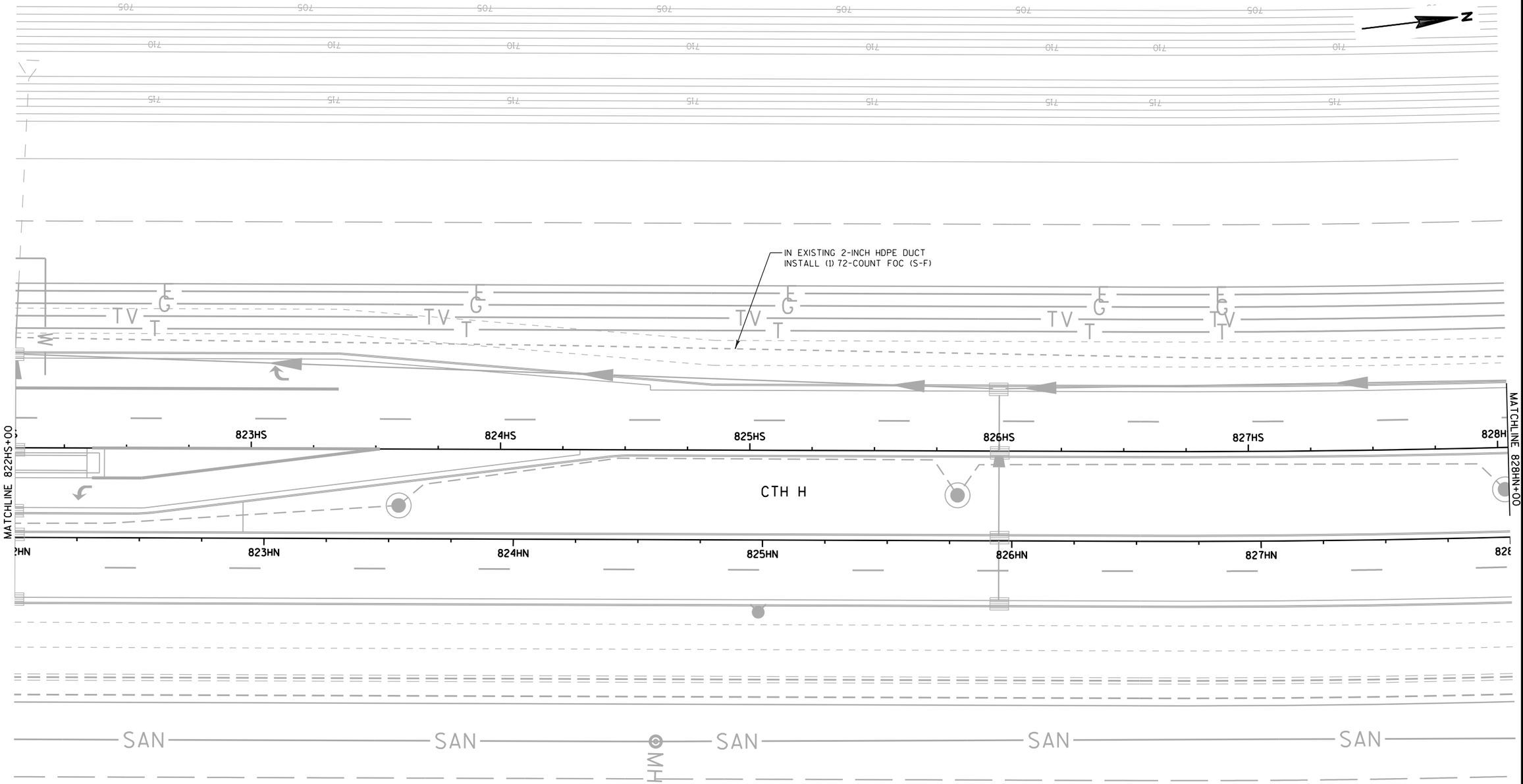
WISDOT/CADDS SHEET 42

2



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET 104	E

2



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PS+E\Plans\11x17\20231204155040_PM PLOT DATE : 12/4/2023 3:55:40 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

2

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

EXCV831

CTH H

MATCHLINE 828HN+00

MATCHLINE 834HN+00

829HS

830HS

831HS

832HS

833HS

829HN

830HN

831HN

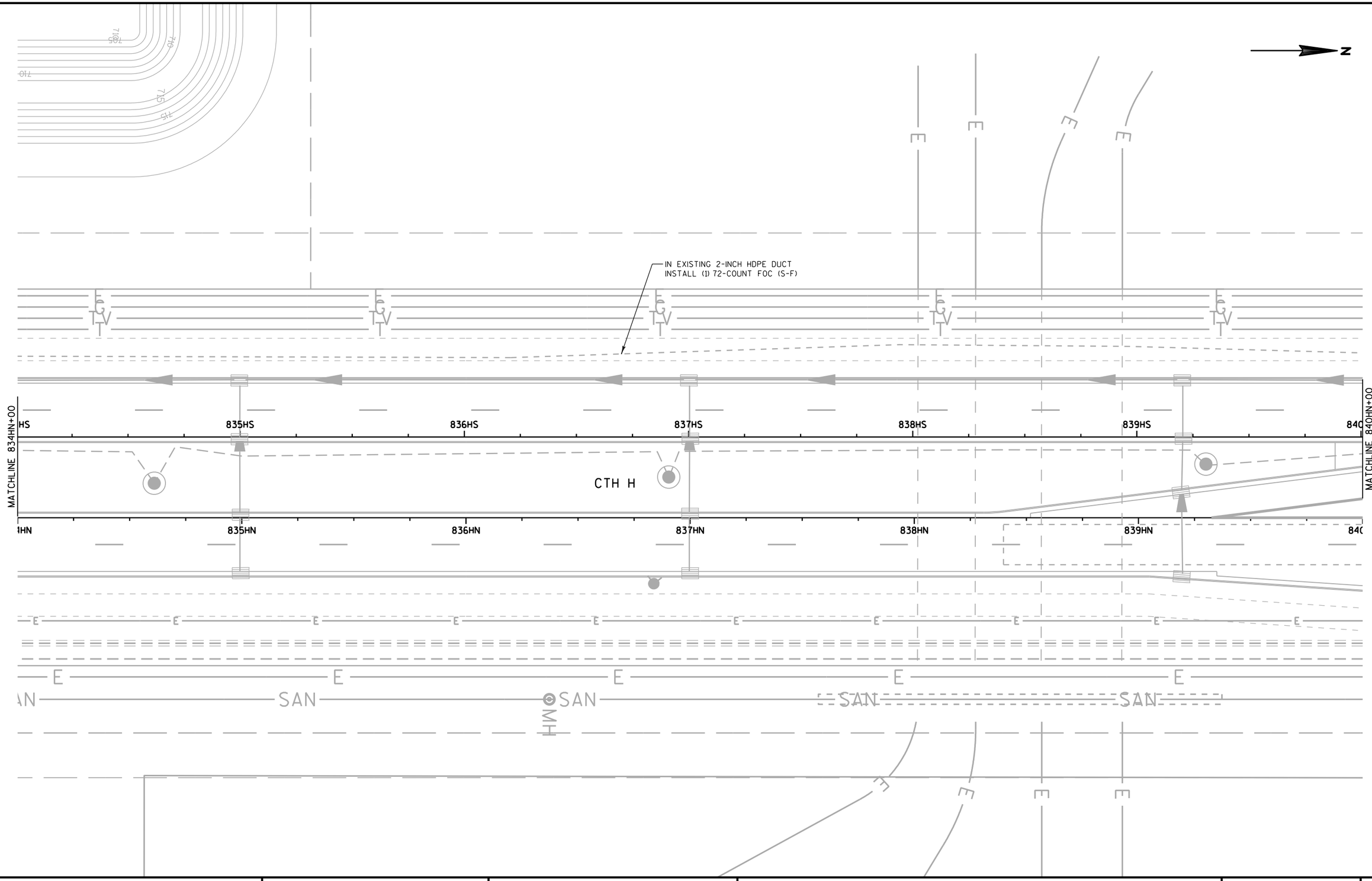
832HN

833HN

ATC ACCESS

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET 106	E

2



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 1/30/2024 2:55:59 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

2

N

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

EXCV843
(1) SPLICE ENCLOSURE (S-F)
FOR TRAFFIC SIGNAL COMMUNICATIONS

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

ACCESS FC6

ONLY

CTH H

MATCHLINE 840HN+00

841HS 842HS 843HS 844HS 845HS 846

841HN 842HN 843HN 844HN 845HN 846

MATCHLINE 846HN+00

CB1 (S51-1470)

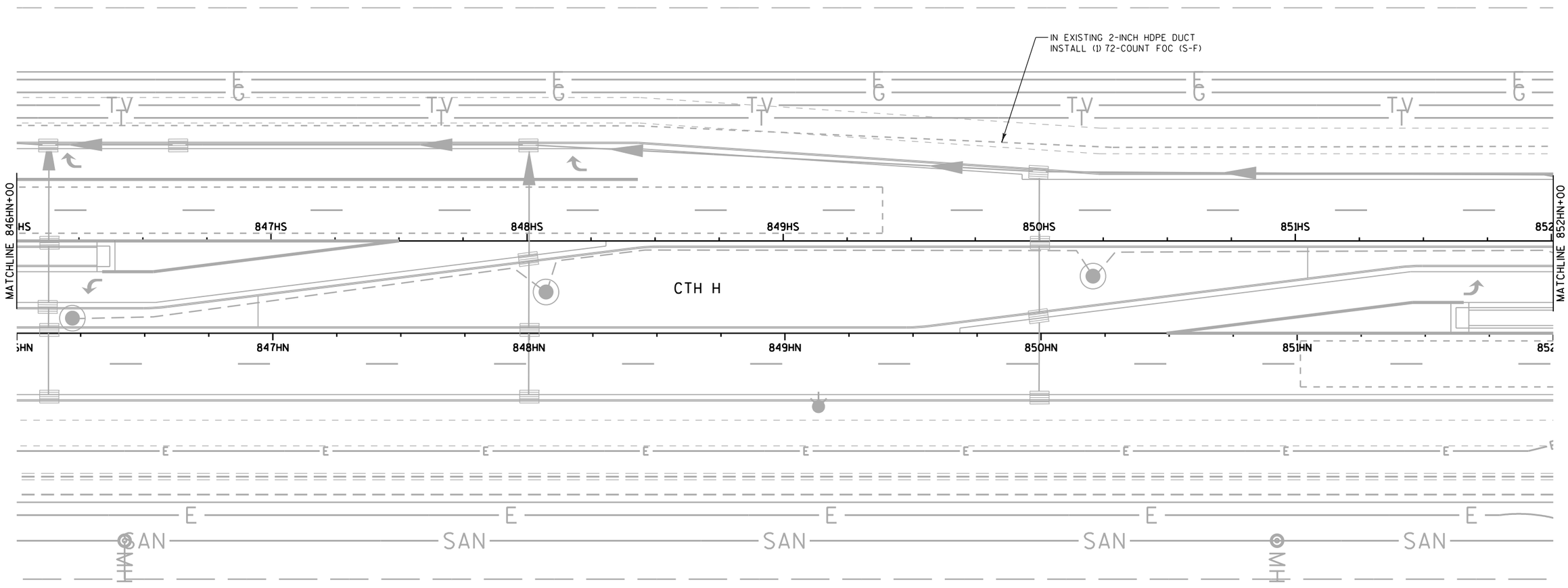
ACCESS E5A

ONLY

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET 108	E

2

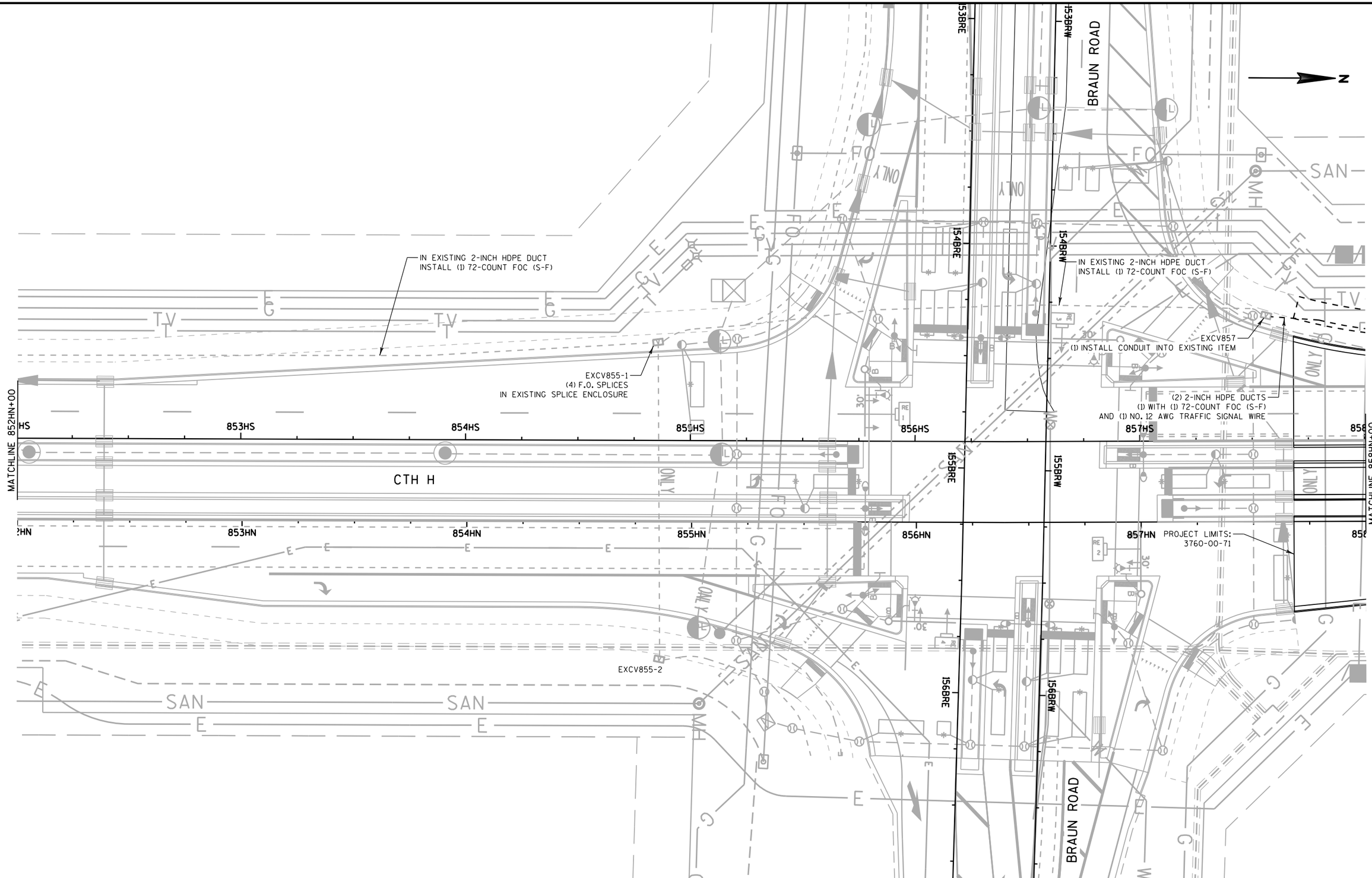
N



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 1 Dec 2023 2:56:16 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS_Plans.dgn PLOT DATE: 1/30/2023 2:56:26 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

SAN
SAN
SAN
SAN
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2

2

N

SAN SAN SAN SAN SAN SAN

G E G E G E G E G E G E

TV TV TV TV TV TV

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(2) 2-INCH HDPE DUCTS.
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV868

CTH H

MATCHLINE 864HN+00

MATCHLINE 870HN+00

T E

725 720 6PP 725

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS\Plans\ITS_CTH_H_Sheet_E.dgn PLOT DATE: 11 Jan 2023 12:15:46 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

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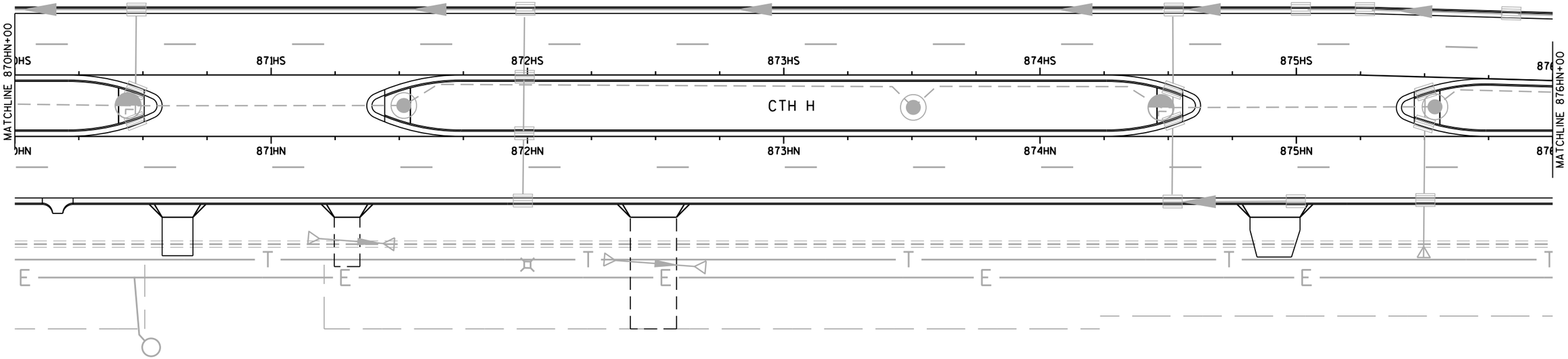
N

SAN SAN SAN SAN SAN

G E G E G E G E G E

TV TV TV TV TV

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET 113	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS\Plans\ITS_Plan_Sheets.dgn PLOT DATE : 11/30/2021 12:56:56 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

SAN SAN SAN SAN SAN

MH

E G TV E G TV E G TV E G TV E G

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

W

CV878

MATCHLINE 876HN+00

876HS 877HS 878HS 879HS 880HS 881HS 882HS

CTH H

876HN 877HN 878HN 879HN 880HN 881HN 882HN

MATCHLINE 882HN+00

T E T E T E T E

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PS&E\Plan Sheets\11x17\ITS\ITS_Overview.dgn PLOT DATE : 1/30/2023 12:57:07 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

N

END PROJECT 3760-00-71
STA 888HN+00.00
X=604596.60
Y=173390.12

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV888

MATCHLINE 882HN+00

882HS 883HS 884HS 885HS 886HS 887HS 888HS

CTH H

882HN 883HN 884HN 885HN 886HN 887HN 888HN

MATCHLINE 888HN+00

BEGIN PROJECT 1320-23-71
STA 888HN+00.00
X=604596.60
Y=173390.12

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS\Plans\1320-23-71_ITS_Plans.dgn PLOT DATE : 7 Dec 2023 12:57:18 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

N

UNFI WISCONSIN
DRIVEWAY

BEGIN PROJECT 1320-23-71
STA 888HN+00.00
X=604596.60
Y=173390.12

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

MATCHLINE 888HN+00

888HS 889HS 890HS 891HS 892HS 893HS 894HS

CTH H

888HN 889HN 890HN 891HN 892HN 893HN 894HN

MATCHLINE 894HN+00

END PROJECT 3760-00-71
STA 888HN+00.00
X=604596.60
Y=173390.12

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS_Plans\Tx_1320-23-71_ITS_Plans.dgn PLOT DATE: 1/30/2023 12:55:28 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

N

UNFI WISCONSIN DRIVEWAY

UNFI

2UNFI

3UNFI

4UNFI

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV898

ONLY

CTH H

MATCHLINE 894HN+00

MATCHLINE 900HN+00

894HS 895HS 896HS 897HS 898HS 899HS 900HS

894HN 895HN 896HN 897HN 898HN 899HN 900HN

E E E E E

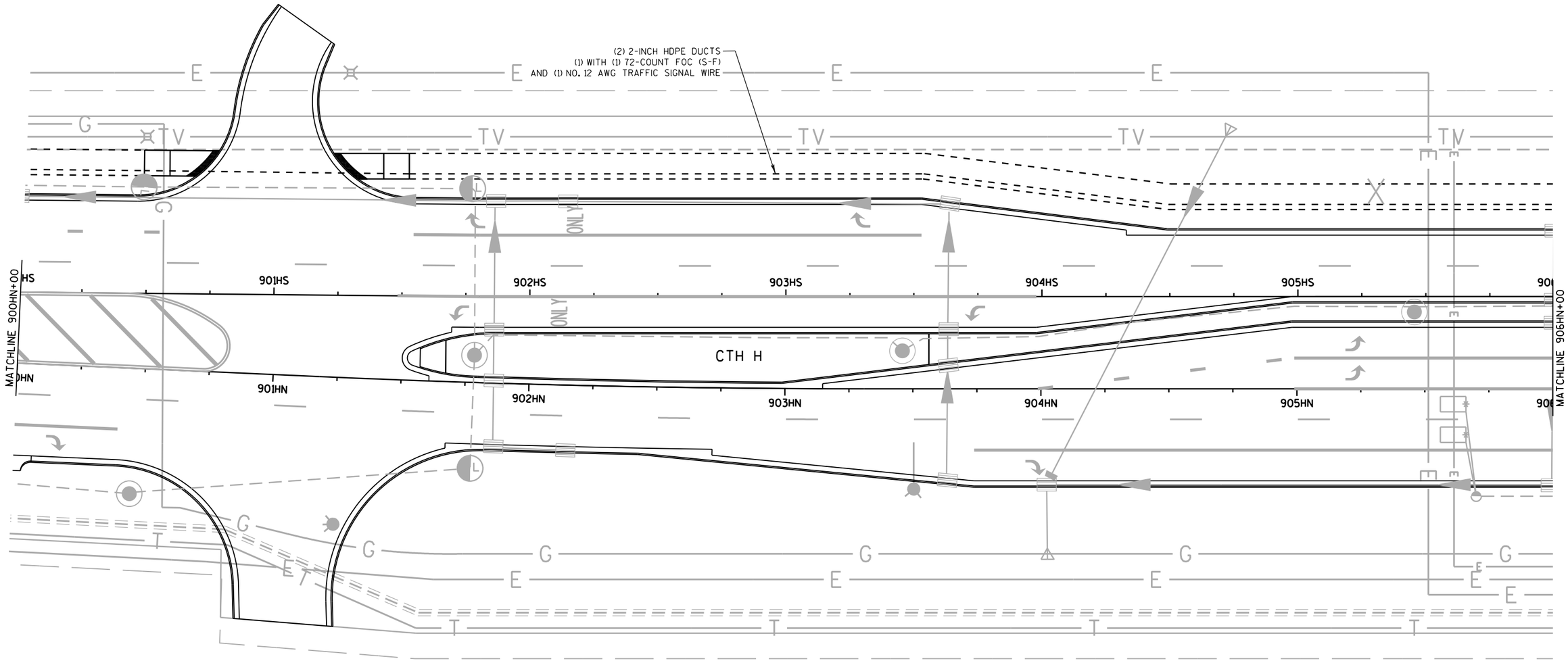
G TV G TV G TV G TV G TV

T E T E T E T E T E

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 117	E

2

N



PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 118	E

2

2

N

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

(2) 2-INCH HDPE DUCTS
(1) WITH (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV908
(70) F.O. SPLICES
IN NEW SPLICE ENCLOSURE (S-F)

CV910-1

(2) 2-INCH HDPE DUCTS
(1) WITH (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CCTV-51-0232
(1) 30-FOOT CAMERA POLE BASE
(1) 30-FOOT CAMERA POLE (S-F)
(1) CCTV CAMERA (S-F)

CV910-2

CB1 (S51-0501)

CTH H

STH 11

238STHE 238 238STHW
239STHE 239 239STHW
240STHE 240 240STHW
241STHE 241 241STHW

907HS 908HS 909HS 910HS 911HS 912HS
907HN 908HN 909HN 910HN 911HN 912HN

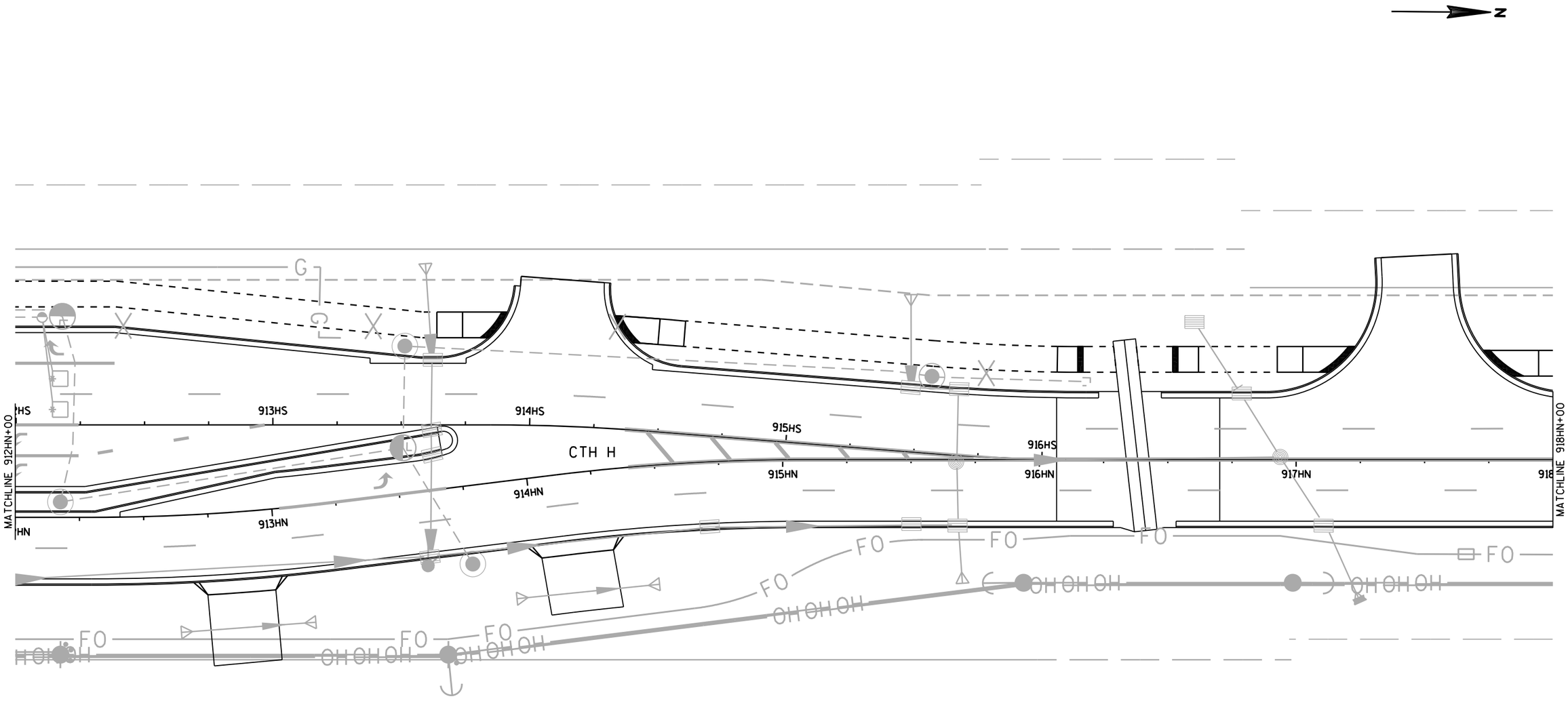
MATCHLINE 906HN+00
MATCHLINE 912HN+00

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 119	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS\Plans\Sheets\ITS_Sheet_Plan_Sheet_2.dgn
PLOT DATE : 1 Jul 2021 12:58:09 PM
PLOT BY : Mdonnelly
PLOT NAME :
PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

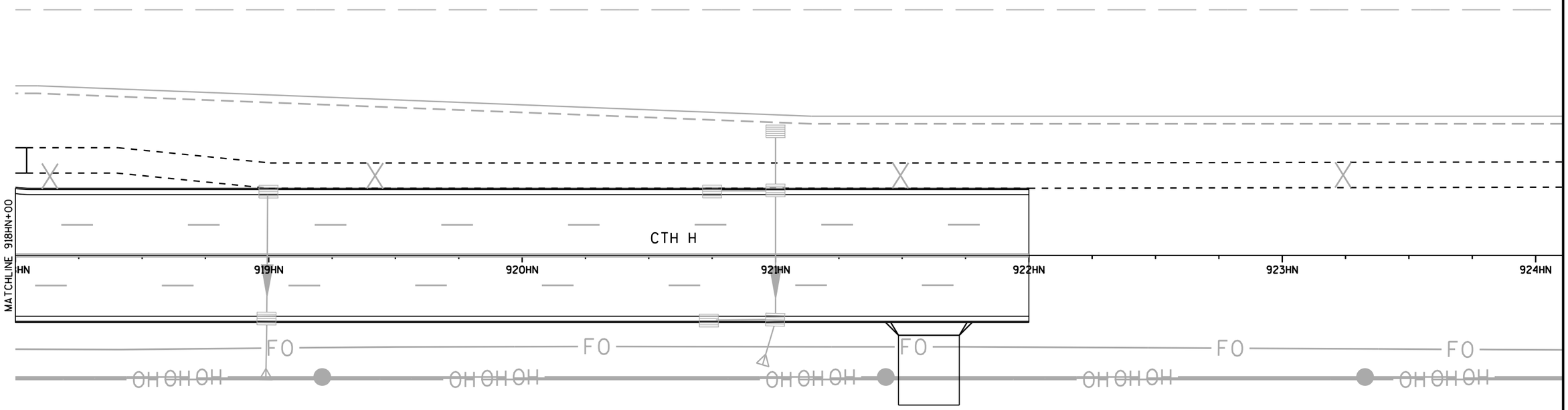
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PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 120	E

2

N



PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 121	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 7/30/2021 2:05:40 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

2

N

757+00

757+00ML

757+00

756+00

756+00ML

756+00

133+00

134+00

135+00

136+00

137+00

138+00

139

STH 11

MATCHLINE 139+00

755+00

755+00ML

755+00

133+00

134+00

135+00

136+00

137+00

138+00

139

EXCVI94
(12) F.O. SPLICES
IN EXISTING SPLICE ENCLOSURE

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

754+00

IH 94 SB

754+00ML

IH 94 NB

754+00

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 122	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNOT_Eg_11x30_2023-12-15_rev.dgn

PLOT DATE : 1/30/2024 2:15:56 PM

PLOT BY : Mdonnelly

PLOT NAME :

PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

EAST FRONTAGE ROAD

5756

5755

+00 140+00 141+00 142+00 143+00 144+00 145

MATCHLINE 139+00

739+00

STH 11

3759+00

MATCHLINE 145+00

+00 140+00 141+00 142+00 143+00 144+00 145

757+00

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

744+00

IH 94 NB
ENTRANCE
RAMP

IH 94 NB
EXIT RAMP

3758+00

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 123	E

2

N

+00 146+00 147+00 148+00 149+00 150

MATCHLINE 145+00

MATCHLINE 151+00

STH 11

+00 146+00 147+00 148+00 149+00 150

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

EXCV64

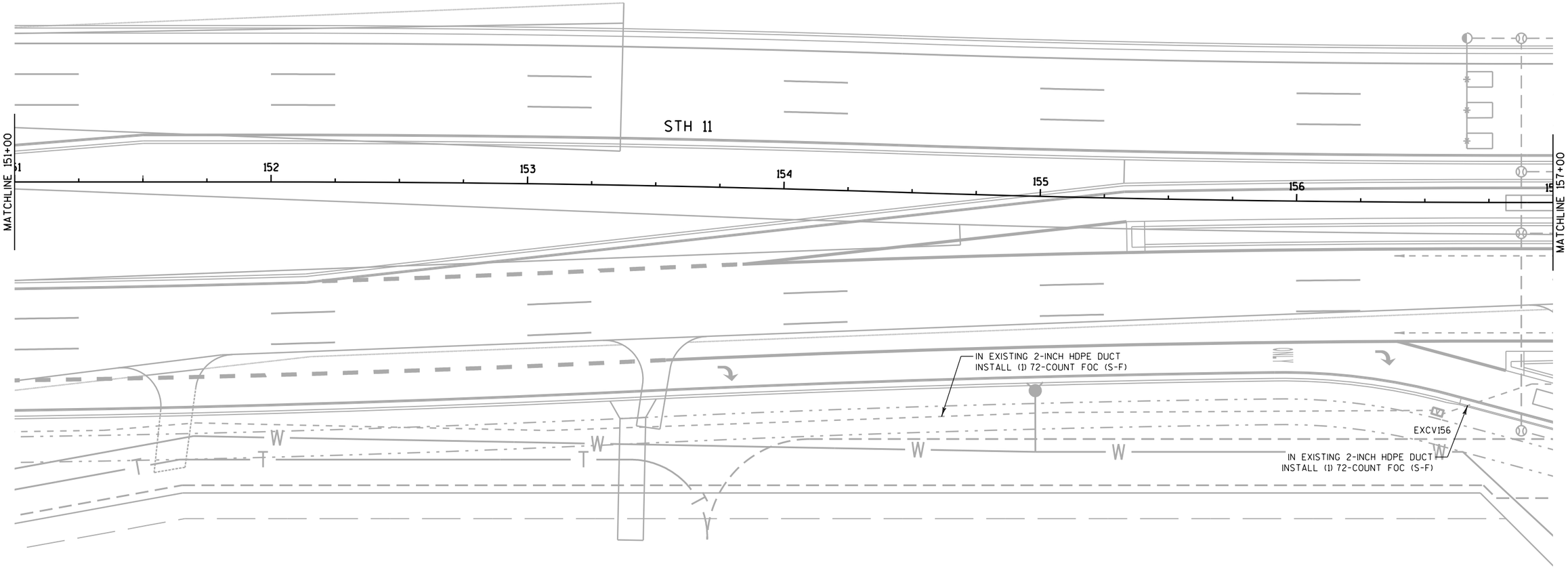
IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

W W W W W

T T T T T

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACIANE	ITS PLANS	SHEET 124	E

2



PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 125	E

2

N

STH 11

MATCHLINE 157+00

MATCHLINE 163+00

157

158

159

160

161

162

45'

RE

RE 2

WISCONN VALLEY WAY

ONLY

ONLY

FIBER OPTIC TRACER CABLE

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

CV159

EXCV159
EXISTING SPLICE ENCLOSURE
TO BE USED FOR TRAFFIC SIGNAL
COMMUNICATIONS

CB1 (S51-1466)

C

W

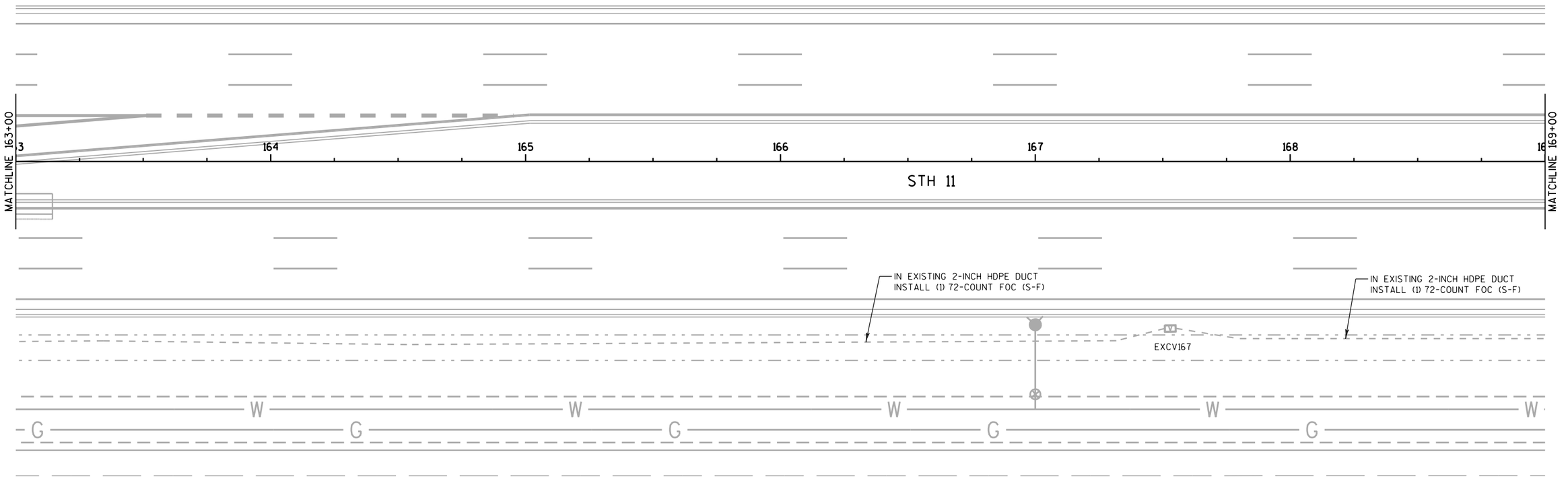
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B

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 1/30/2023 12:50:07 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2



PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 1/30/2023 2:06:28 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

N

MATCHLINE 169+00

169

170

171

172

173

174

175

MATCHLINE 175+00

STH 11

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

EXCV174

W

G

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 128	E

2

N

MATCHLINE 175+00

5

176

177

178

179

180

18

MATCHLINE 181+00

STH 11

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

W W W W W W

G G G G G

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 129	E

2

N

MATCHLINE 181+00

181

182

183

184

185

186

187

MATCHLINE 187+00

STH 11

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

EXCV182

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

W W W W W W

G G G G G G

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 130	E

2

N

MATCHLINE 187+00

187

188

189

190

191

192

193

MATCHLINE 193+00

STH 11

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

W W W W W

G G G G G

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 131	E

2

2

N

MATCHLINE 193+00

3

194

195

196

STH 11

197

198

199

MATCHLINE 199+00

CTH H

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

EXCV195

EXCV199

W

W

W

W

W

G

G

G

G

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET 132	E

2

2

N

INTERNATIONAL DRIVE

MH

STH 11

MATCHLINE 199+00

MATCHLINE 205+00

200

201

202

203

204

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

CB1 (S51-1467)

EXCV202
(1) F.O. SPLICE ENCLOSURE (S-F)
FOR TRAFFIC SIGNAL COMMUNICATIONS

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNP_Plans.dgn PLOT DATE : 7/30/2025 3:27:42 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

N

MATCHLINE 205+00

205

206

207

208

209

210

211

MATCHLINE 211+00

STH 11

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

W W W W W

G G G G G

SAN SAN MH SAN SAN SAN

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PS&E\[71190_ITS_Sheets_20210430.dgn]ITS_Sheet_06.dgn PLOT DATE : 11 May 2021 3:03:06 pm PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

2

N

MATCHLINE 211+00

211

212

213

214

215

216

217

MATCHLINE 217+00

STH 11

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

EXCV214

W

G

SAN

MH

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS_Design\11x30x2021 3403 mdg.PM PLOT DATE : 11 JUN 2021 3:40:31 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

N

MATCHLINE 217+00

217

218

219

220

221

222

223

MATCHLINE 223+00

STH 11

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

W W W W W

G G G G

X

SAN SAN SAN MH SAN SAN

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS_Design\ITS_Plans_11x17_Landscape_2021-1130.dgn PLOT DATE : 11 Dec 2021 3:50:56 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

2

N

MATCHLINE 223+00

223

224

225

226

227

228

229

STH 11

MATCHLINE 229+00

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

IN EXISTING 2-INCH HDPE DUCT
INSTALL (1) 72-COUNT FOC (S-F)

EXCV225

G

W

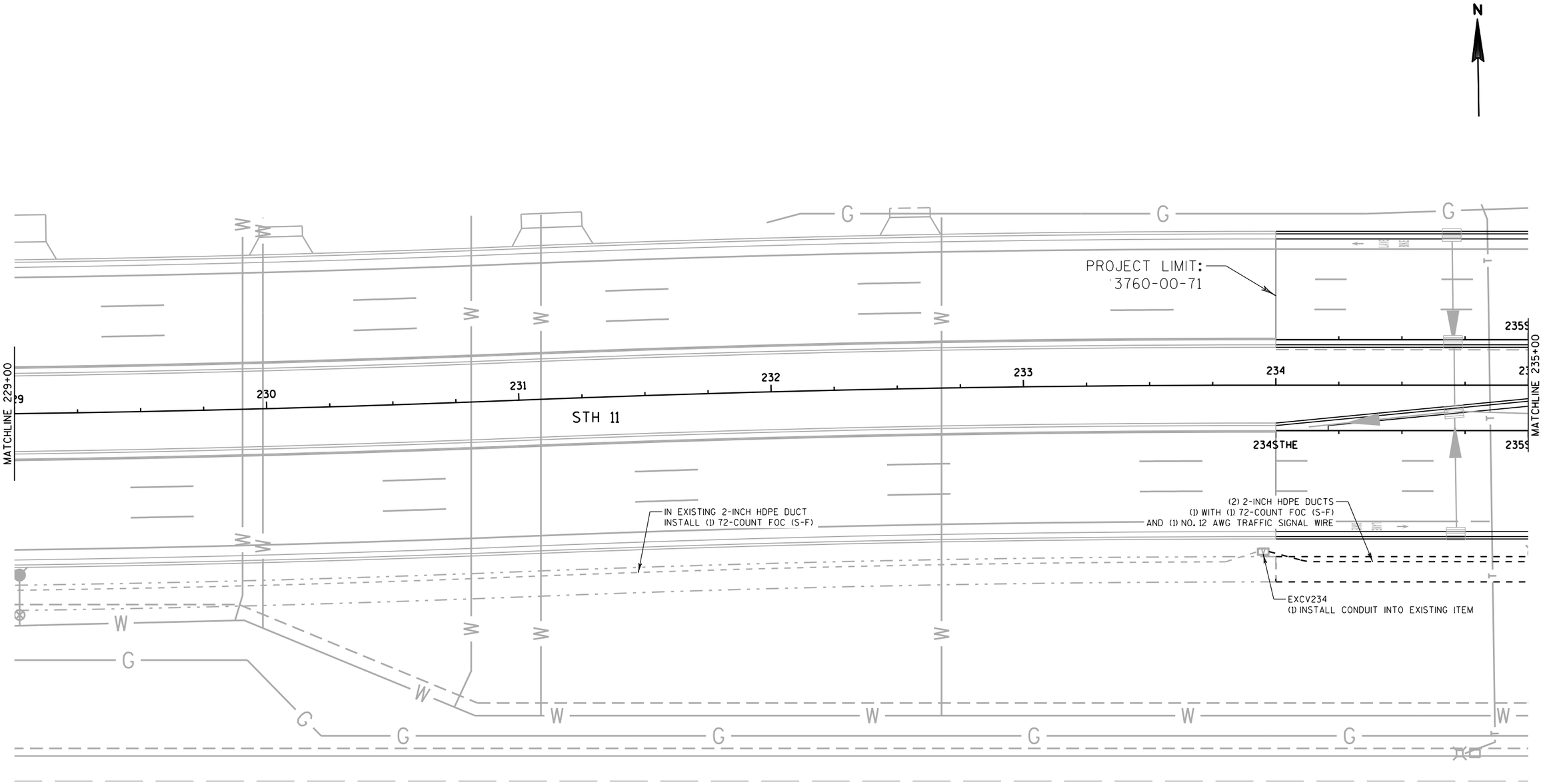
SAN

MH

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_OTP\Plans\11x17\20230504_ITS_Plans.dgn
PLOT DATE : 11/30/2023 3:04:19 PM
PLOT BY : Mdonnelly
PLOT NAME :
PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

2



PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNOT_DATE: 1/30/2023 4:37:04 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

N

CB1 (S51-0501)

CCTV-51-0232
(1) 30-FOOT CAMERA POLE BASE
(1) 30-FOOT CAMERA POLE (S-F)
(1) CCTV CAMERA (S-F)

CV910-1

CV910-2

SH016

NH016

MATCHLINE 235+00

235STHW 236STHW 237STHW 238STHW 239STHW 240STHW 241STHW

235 236 237 238 239 240 241

SH906

NH906

235STHE 236STHE 237STHE 238STHE 239STHE 240STHE 241STHE

STH 11

(2) 2-INCH HDPE DUCTS
(1) WITH (1) 72-COUNT FOC (S-F)
AND (1) NO. 12 AWG TRAFFIC SIGNAL WIRE

CV908
(70) F.O. SPLICES
IN NEW SPLICE ENCLOSURE (S-F)

SH806

NH806

CTH H

SH705

NH706

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	ITS PLANS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_ITS_Eng_71190x2023438046.dgn PLOT DATE : 7/30/2024 4:58:46 PM PLOT BY : Mdonnelly PLOT NAME : PLOT SCALE : 40:1

2

2

N

R/L CTH H SB

CTH H

R/L CTH H NB

BEGIN PROJECT 3760-00-71
STA 857HN+68.00
X=604646.00
Y=170359.02

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

FLOODPLAIN (TYP.)

CHICORY CREEK

POND P

MATCHLINE 870HN+00

152BRE
152BRW
154BRE
154BRW
156BRE
156BRW
158BRE
158BRW
160B

856HS
858HS
860HS
862HS
864HS
866HS
868HS
856HN
858HN
860HN
862HN
864HN
866HN
868HN

725
720
6PP
4PP
2PP

LEGEND

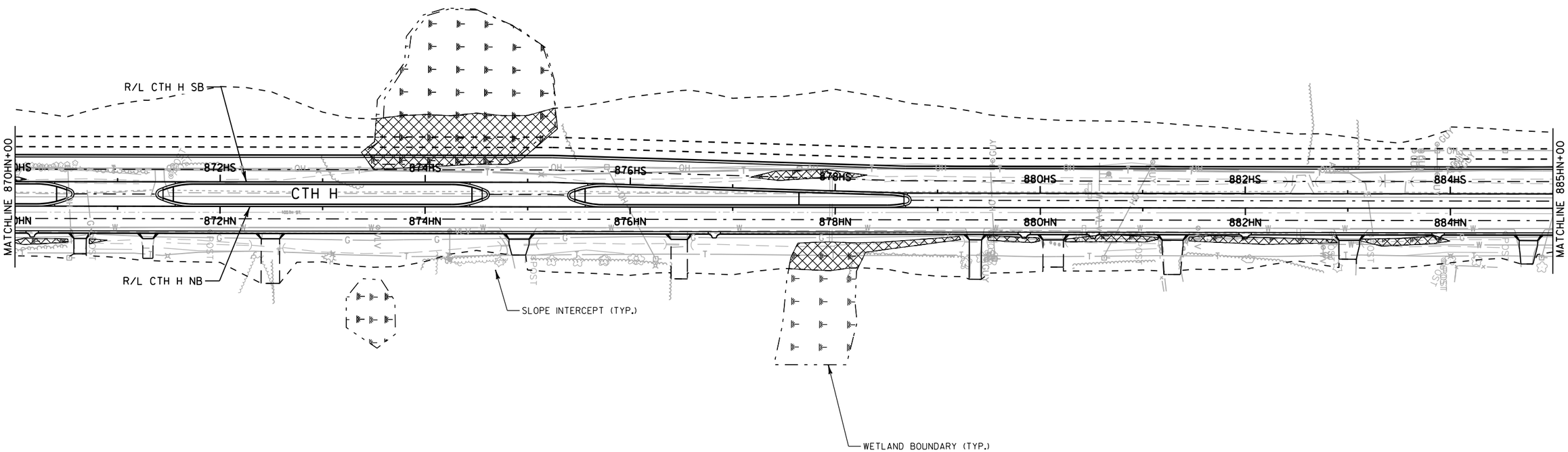
- DISTURBED WETLAND AREA
- SLOPE INTERCEPT
- FLOODPLAIN
- WETLAND BOUNDARY

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	DISTURBED WETLANDS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlanSheets\3760-00-71_DisturbedWetlands.dgn PLOT DATE : 8/12/2021 7:51:40 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

N



LEGEND

- DISTURBED WETLAND AREA
- SLOPE INTERCEPT
- FLOODPLAIN
- WETLAND BOUNDARY

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	DISTURBED WETLANDS	SHEET 141 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2012 7:37:46 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

N

BEGIN PROJECT 1320-23-71
STA 888HN+00.00
X=604596.60
Y=173390.12

R/L CTH H SB

R/L UNFI

2UNFI

4UNFI

MATCHLINE 885HN+00

MATCHLINE 899HN+75

886HS 888HS 890HS 892HS 894HS 896HS 898HS

CTH H

886HN 888HN 890HN 892HN 894HN 896HN 898HN

SLOPE INTERCEPT (TYP.)

R/L CTH H NB

END PROJECT 3760-00-71
STA 888HN+00.00
X=604596.60
Y=173390.12

WETLAND BOUNDARY (TYP.)

LEGEND

- DISTURBED WETLAND AREA
- SLOPE INTERCEPT
- FLOODPLAIN
- WETLAND BOUNDARY

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	DISTURBED WETLANDS	SHEET 142	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\8.1_Design\17537.dgn PLOT DATE : 8/1/2023 7:53:49 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

LEGEND

DISTURBED WETLAND AREA

SLOPE INTERCEPT

FLOODPLAIN

WETLAND BOUNDARY

N

BEGIN CONSTRUCTION
STA 234STHE+00.00
X=603992.60
Y=175477.73

234STHE

236STHE

236SIHW

R/L STH 11 EB

R/L STH 11 WB

11 STH

238STHE

238SIHW

R/L CTH H SB

MATCHLINE 899HN+75

900HS

902HS

904HS

906HS

908HS

910HS

912HS

CTH H

900HN

902HN

904HN

906HN

908HN

910HN

912HN

240STHE

240SIHW

MATCHLINE 914HN+00

R/L CTH H NB

WETLAND BOUNDARY (TYP.)

SLOPE INTERCEPT (TYP.)

242STHE

242SIHW

MATCHLINE 243STHE+00

2

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	DISTURBED WETLANDS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 7:57:52 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

N

CANADIAN PACIFIC RAILROAD

ENTERPRISE WAY

SLOPE INTERCEPT (TYP.)

MAN CHLINE 914HN+00

914HS

916HS

916HN

CTH H

918HN

920HN

922HN

924HN

926HN

928HN

END CONSTRUCTION
STA 922HN+00.00
X=604572.84
Y=176788.40

R/L CTH H NB

WETLAND BOUNDARY (TYP.)

LEGEND

- DISTURBED WETLAND AREA
- SLOPE INTERCEPT
- FLOODPLAIN
- WETLAND BOUNDARY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	DISTURBED WETLANDS	SHEET 144 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE = 8/23/2021 7:57:55 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

2

N

WETLAND BOUNDARY (TYP.)

R/L STH 11 WB

MATCHLINE 243STHE+00

244STHW

246STHW

248STHW

250STHW

252STHW

254STHW

STH 11

244STHE

246STHE

248STHE

250STHE

252STHE

254STHE

256STHE

258STHE

END CONSTRUCTION
STA 254STHE+75.00
X=606065.75
Y=175493.15

R/L STH 11 EB

SLOPE INTERCEPT (TYP.)

LEGEND

DISTURBED WETLAND AREA

SLOPE INTERCEPT

FLOODPLAIN

WETLAND BOUNDARY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	DISTURBED WETLANDS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\Disturbed Wetlands.dgn PLOT DATE : 8/1/2024 7:57:59 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

NOTES

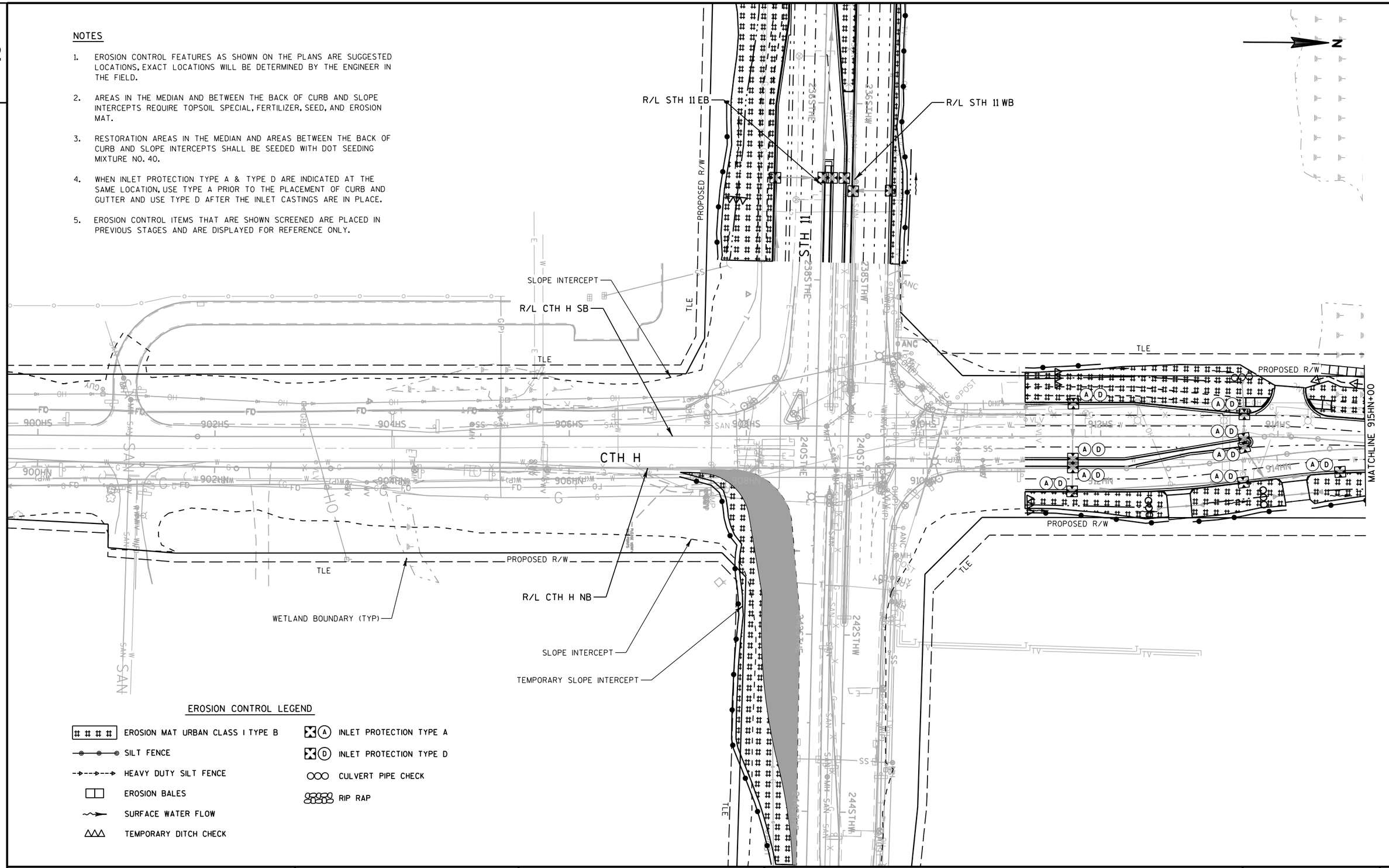
1. EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

2. AREAS IN THE MEDIAN AND BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL SPECIAL, FERTILIZER, SEED, AND EROSION MAT.

3. RESTORATION AREAS IN THE MEDIAN AND AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40.

4. WHEN INLET PROTECTION TYPE A & TYPE D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.

5. EROSION CONTROL ITEMS THAT ARE SHOWN SCREENED ARE PLACED IN PREVIOUS STAGES AND ARE DISPLAYED FOR REFERENCE ONLY.



EROSION CONTROL LEGEND

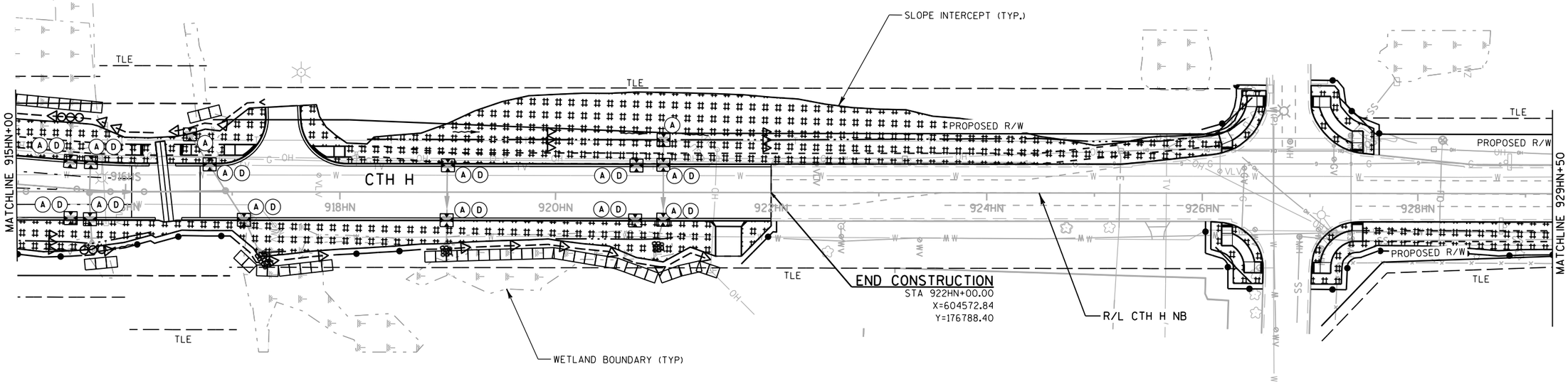
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 1a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 10/26/2022 9:40:31 AM Design PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

NOTES

1. EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. AREAS IN THE MEDIAN AND BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL SPECIAL, FERTILIZER, SEED, AND EROSION MAT.
3. RESTORATION AREAS IN THE MEDIAN AND AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40.
4. WHEN INLET PROTECTION TYPE A & TYPE D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.
5. EROSION CONTROL ITEMS THAT ARE SHOWN SCREENED ARE PLACED IN PREVIOUS STAGES AND ARE DISPLAYED FOR REFERENCE ONLY.



EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 1a	SHEET 147	E

NOTES

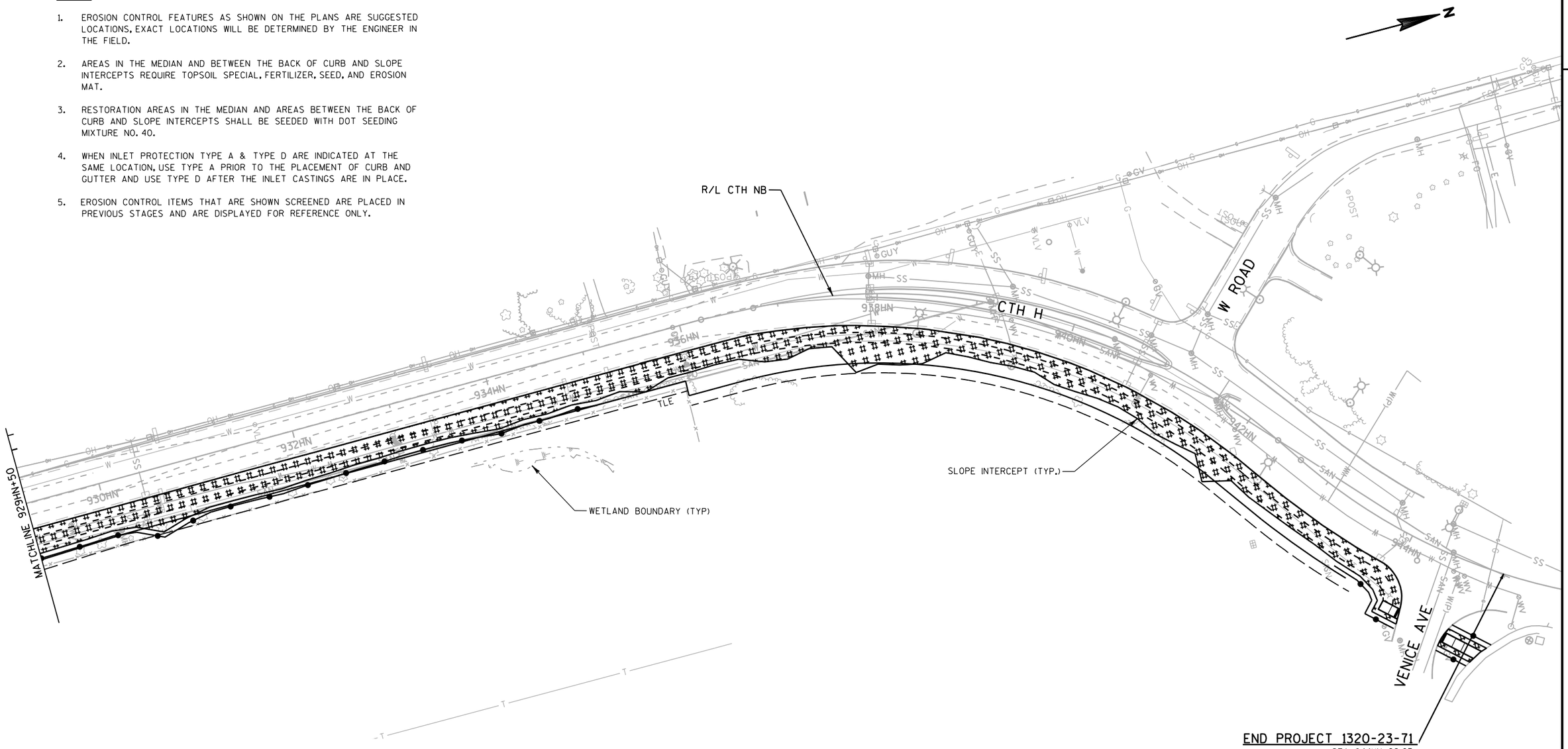
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3. RESTORATION AREAS IN THE MEDIAN AND AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40.

4. WHEN INLET PROTECTION TYPE A & TYPE D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.

5. EROSION CONTROL ITEMS THAT ARE SHOWN SCREENED ARE PLACED IN PREVIOUS STAGES AND ARE DISPLAYED FOR REFERENCE ONLY.



EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 1a	SHEET 148 E

NOTES

1. EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. AREAS IN THE MEDIAN AND BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL SPECIAL, FERTILIZER, SEED, AND EROSION MAT.
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4. WHEN INLET PROTECTION TYPE A & TYPE D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.
5. EROSION CONTROL ITEMS THAT ARE SHOWN SCREENED ARE PLACED IN PREVIOUS STAGES AND ARE DISPLAYED FOR REFERENCE ONLY.

N

WETLAND BOUNDARY (TYP)

R/L STH 11 WB

R/L STH 11 EB

STH 11

CTH H

TLE

PROPOSED R/W

BEGIN CONSTRUCTION
STA 234STHE+00.00
X=603992.60
Y=175477.73

SLOPE INTERCEPT

TEMPORARY SLOPE INTERCEPT

R/L CTH H SB

R/L CTH H NB

EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 1a	SHEET 149 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H\Plan Sheets\22107_02_13.dgn PLOT DATE : 10/26/2022 7:52:13 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

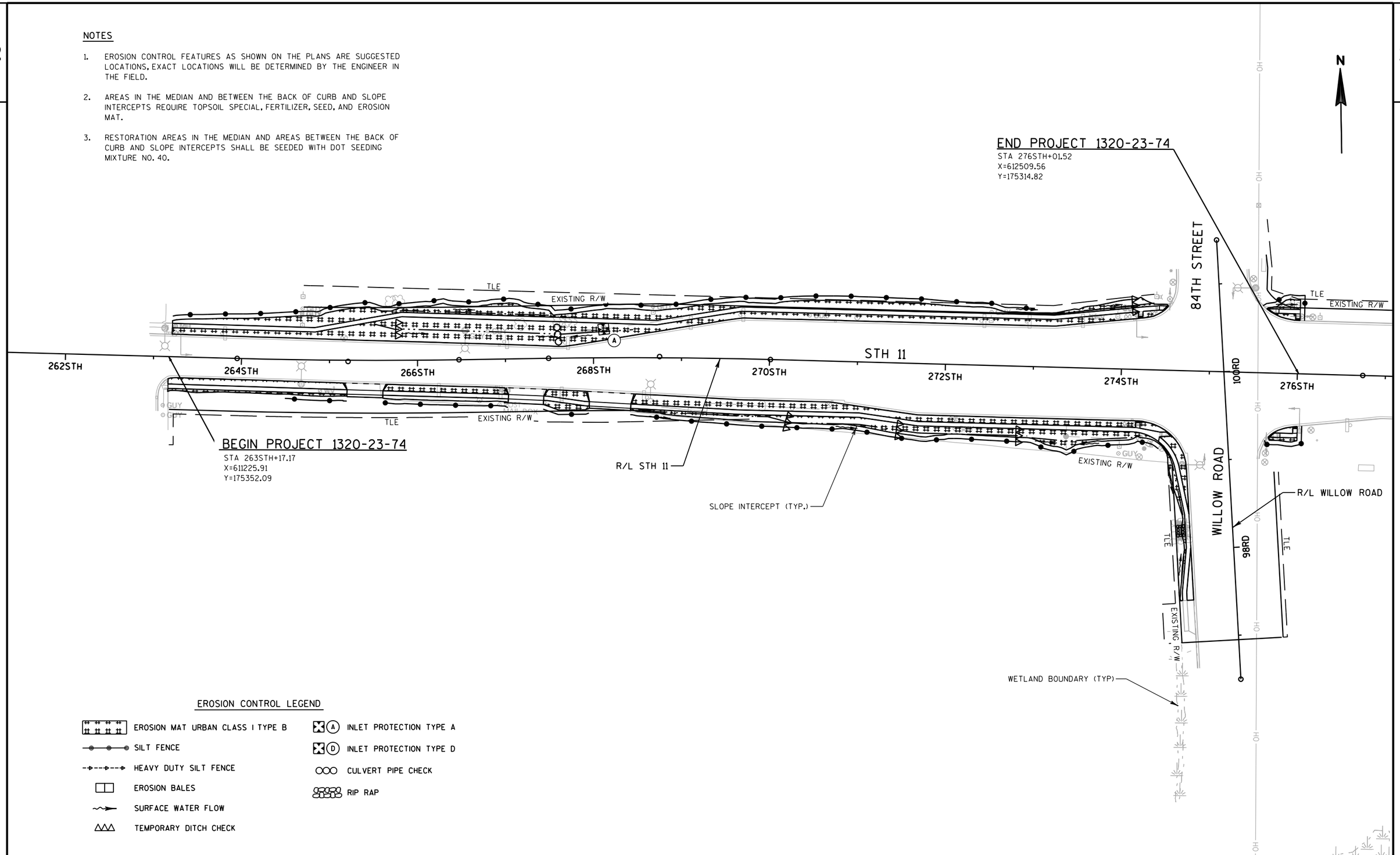
WISDOT/CADDS SHEET 42

NOTES

1. EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

2. AREAS IN THE MEDIAN AND BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL SPECIAL, FERTILIZER, SEED, AND EROSION MAT.

3. RESTORATION AREAS IN THE MEDIAN AND AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40.



EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 1a	SHEET 150	E

2

NOTES

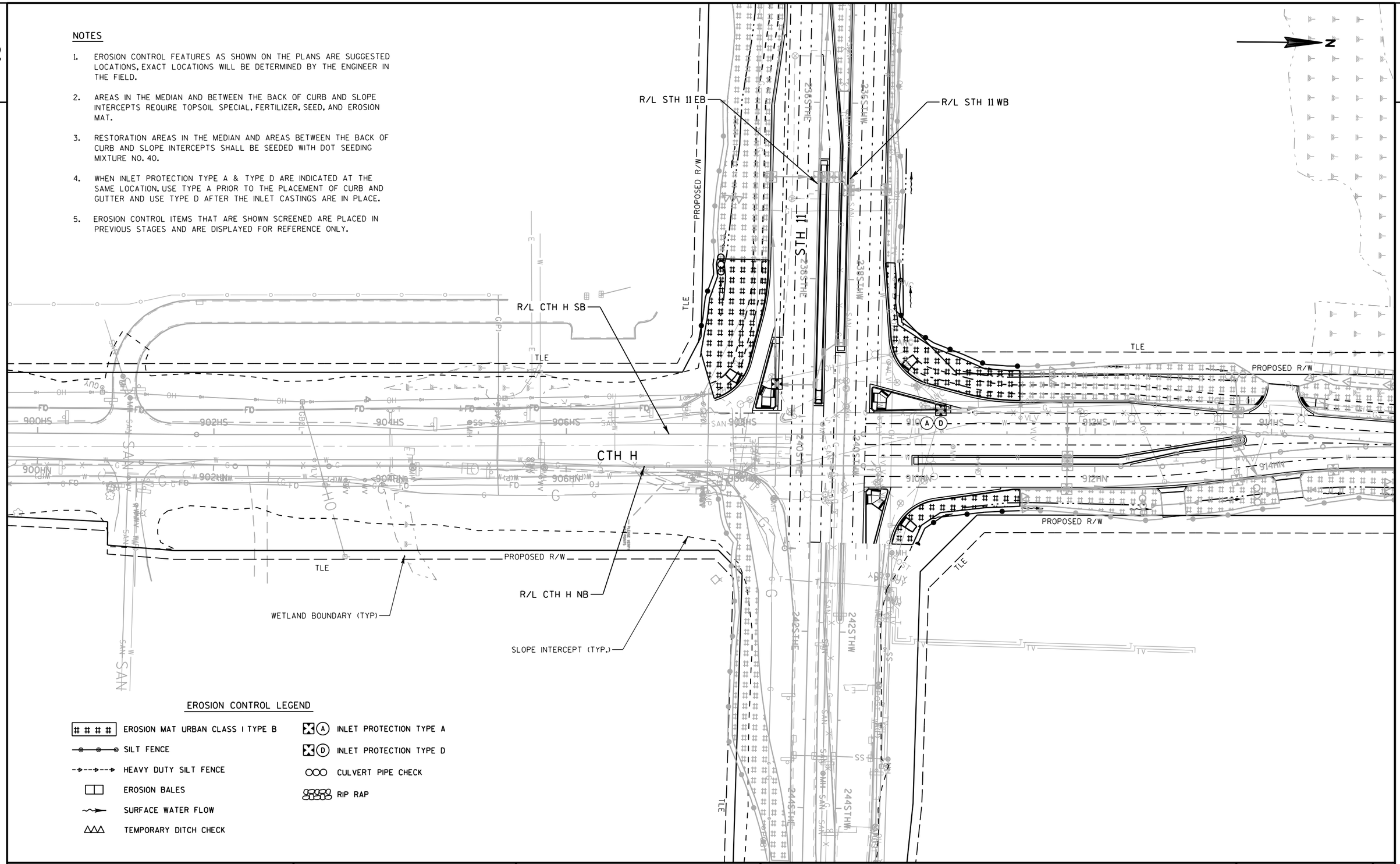
1. EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

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3. RESTORATION AREAS IN THE MEDIAN AND AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40.

4. WHEN INLET PROTECTION TYPE A & TYPE D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.

5. EROSION CONTROL ITEMS THAT ARE SHOWN SCREENED ARE PLACED IN PREVIOUS STAGES AND ARE DISPLAYED FOR REFERENCE ONLY.



EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 1b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 10/26/2022 9:52:28 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

2

NOTES

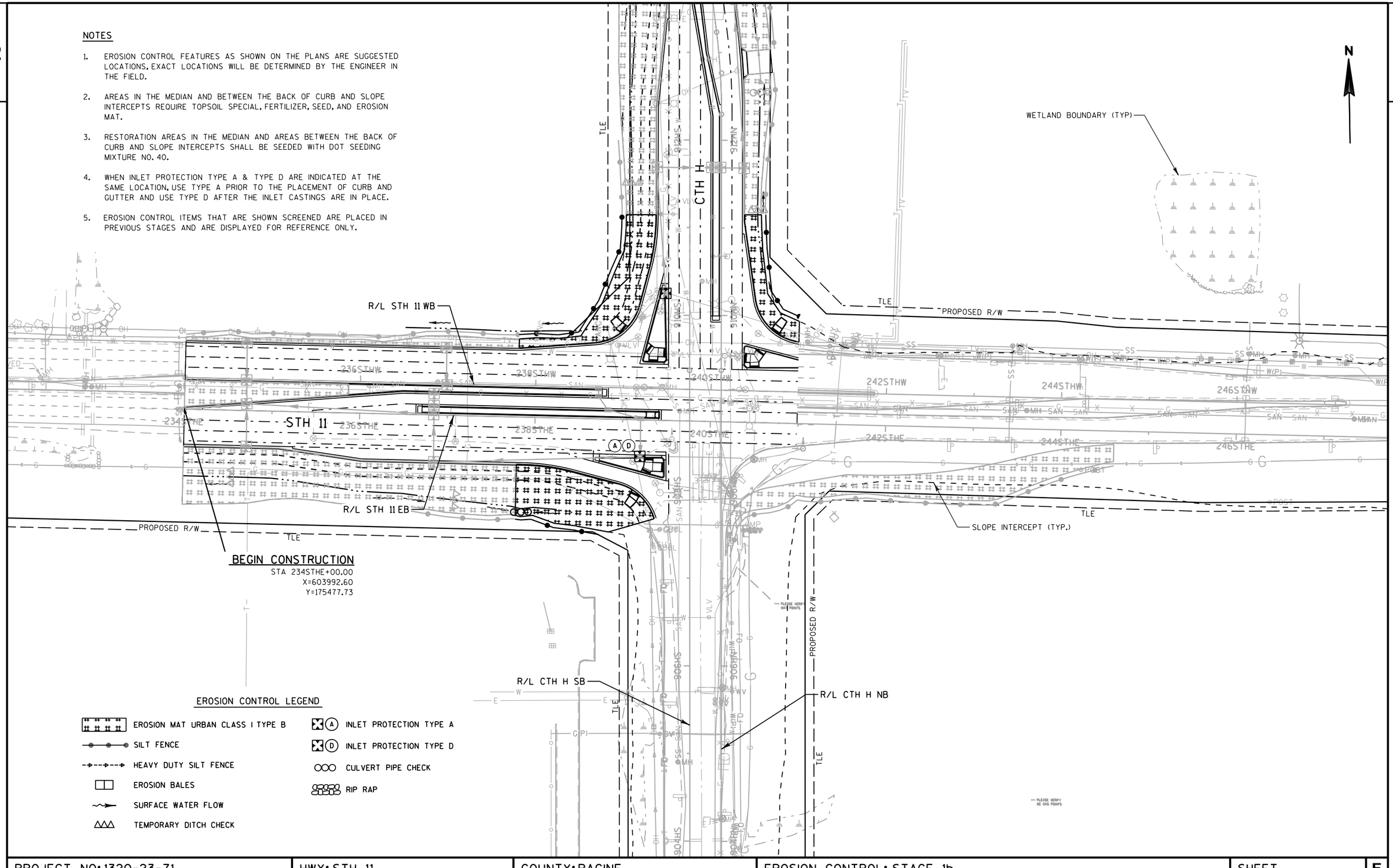
1. EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.

2. AREAS IN THE MEDIAN AND BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL SPECIAL, FERTILIZER, SEED, AND EROSION MAT.

3. RESTORATION AREAS IN THE MEDIAN AND AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40.

4. WHEN INLET PROTECTION TYPE A & TYPE D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.

5. EROSION CONTROL ITEMS THAT ARE SHOWN SCREENED ARE PLACED IN PREVIOUS STAGES AND ARE DISPLAYED FOR REFERENCE ONLY.



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 1b	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 10/26/2022 7:52:31 AM design PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

NOTES

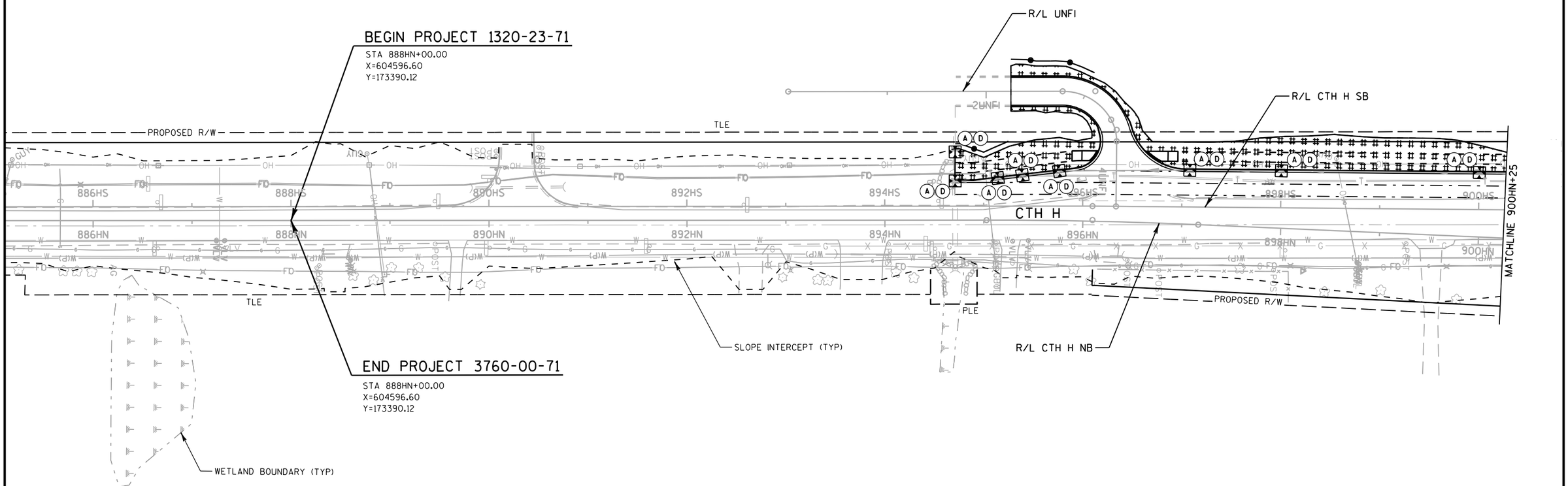
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3. RESTORATION AREAS IN THE MEDIAN AND AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40.

4. WHEN INLET PROTECTION TYPE A & TYPE D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.

5. EROSION CONTROL ITEMS THAT ARE SHOWN SCREENED ARE PLACED IN PREVIOUS STAGES AND ARE DISPLAYED FOR REFERENCE ONLY.



EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 2a	SHEET 153	E

NOTES

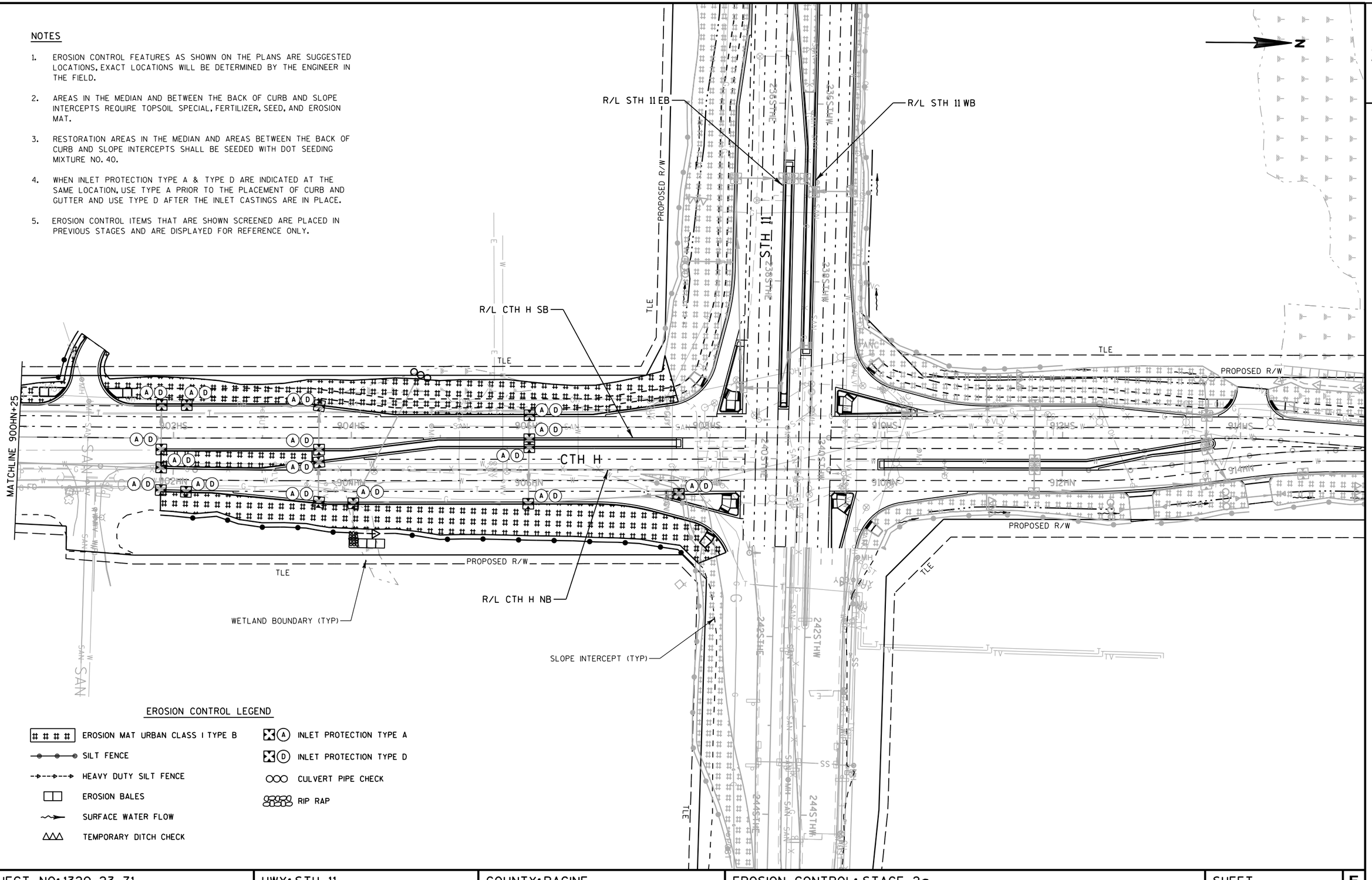
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2. AREAS IN THE MEDIAN AND BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS REQUIRE TOPSOIL SPECIAL, FERTILIZER, SEED, AND EROSION MAT.

3. RESTORATION AREAS IN THE MEDIAN AND AREAS BETWEEN THE BACK OF CURB AND SLOPE INTERCEPTS SHALL BE SEEDED WITH DOT SEEDING MIXTURE NO. 40.

4. WHEN INLET PROTECTION TYPE A & TYPE D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.

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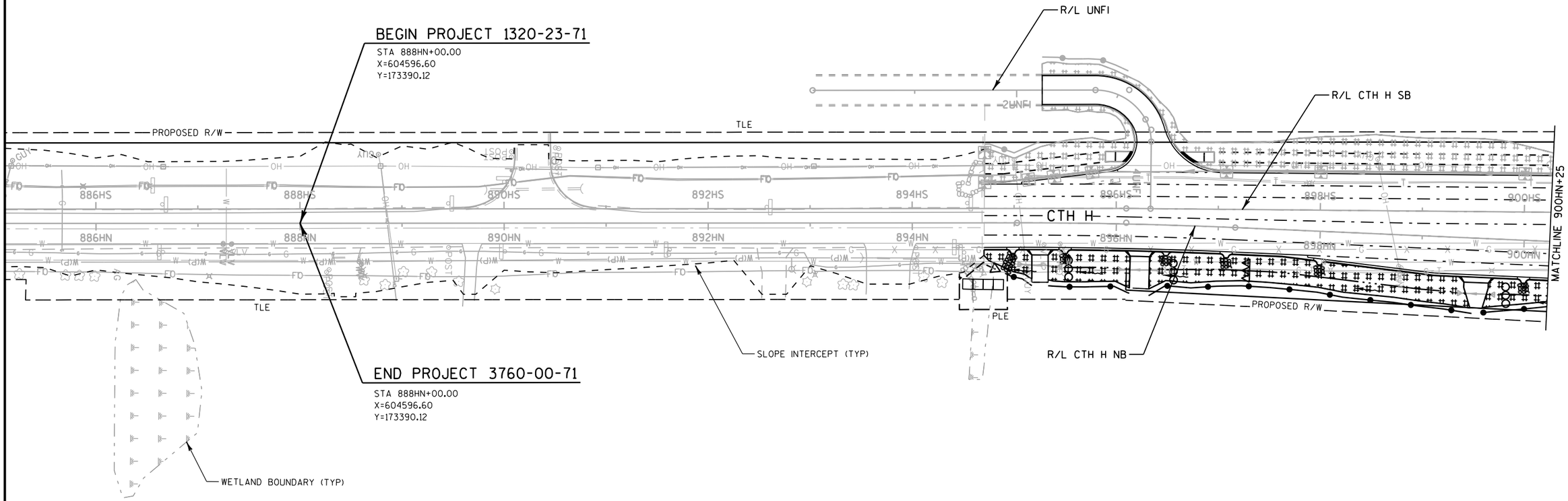
EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 2a	SHEET 154	E

NOTES

1. EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
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4. WHEN INLET PROTECTION TYPE A & TYPE D ARE INDICATED AT THE SAME LOCATION, USE TYPE A PRIOR TO THE PLACEMENT OF CURB AND GUTTER AND USE TYPE D AFTER THE INLET CASTINGS ARE IN PLACE.
5. EROSION CONTROL ITEMS THAT ARE SHOWN SCREENED ARE PLACED IN PREVIOUS STAGES AND ARE DISPLAYED FOR REFERENCE ONLY.



EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 2b	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\10.16.2023 Erosion Control Stage 2b.dgn PLOT DATE : 10/26/2023 8:52:42 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

2

NOTES

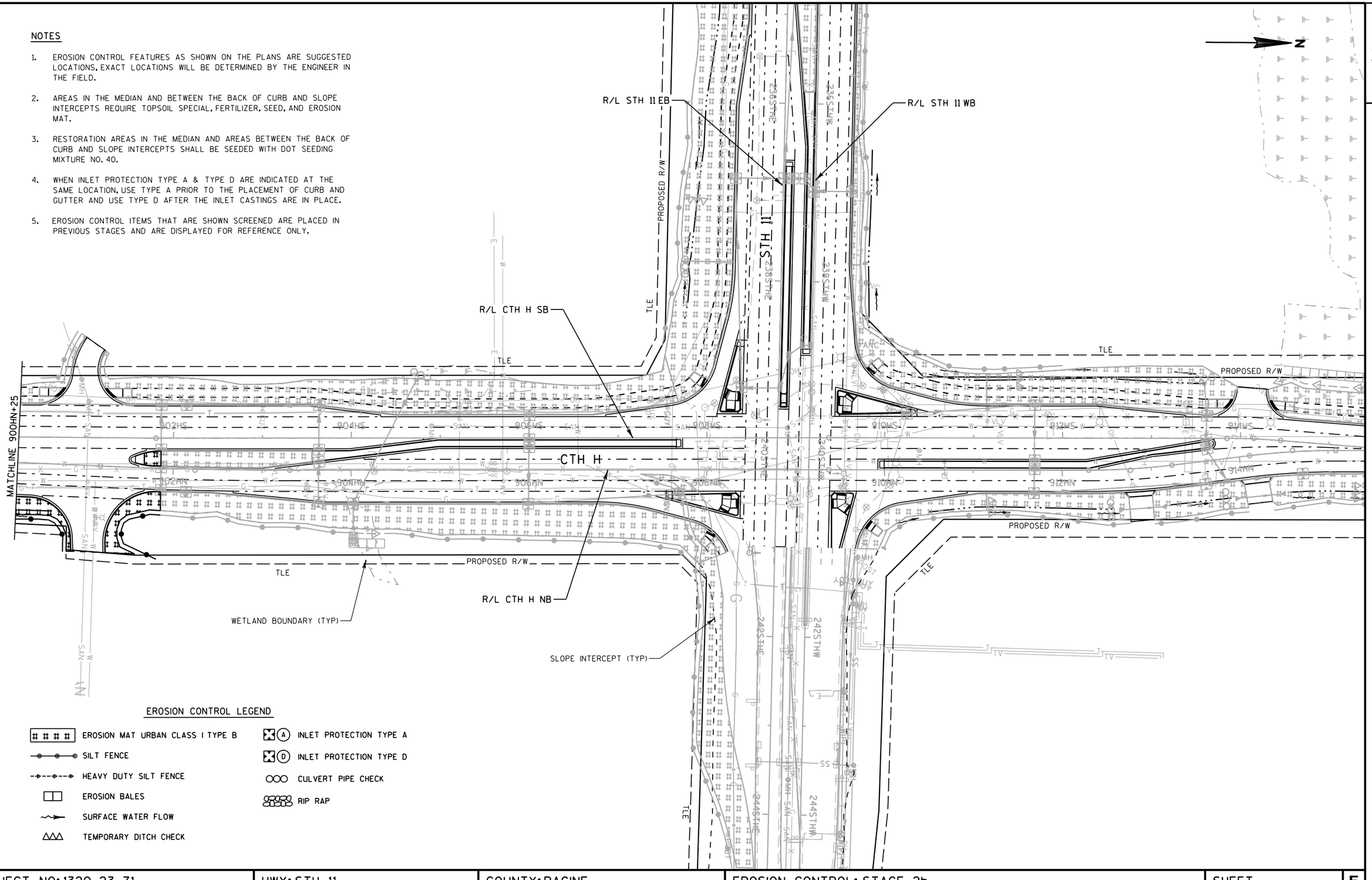
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EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 2b	SHEET 156	E

2

2

NOTES

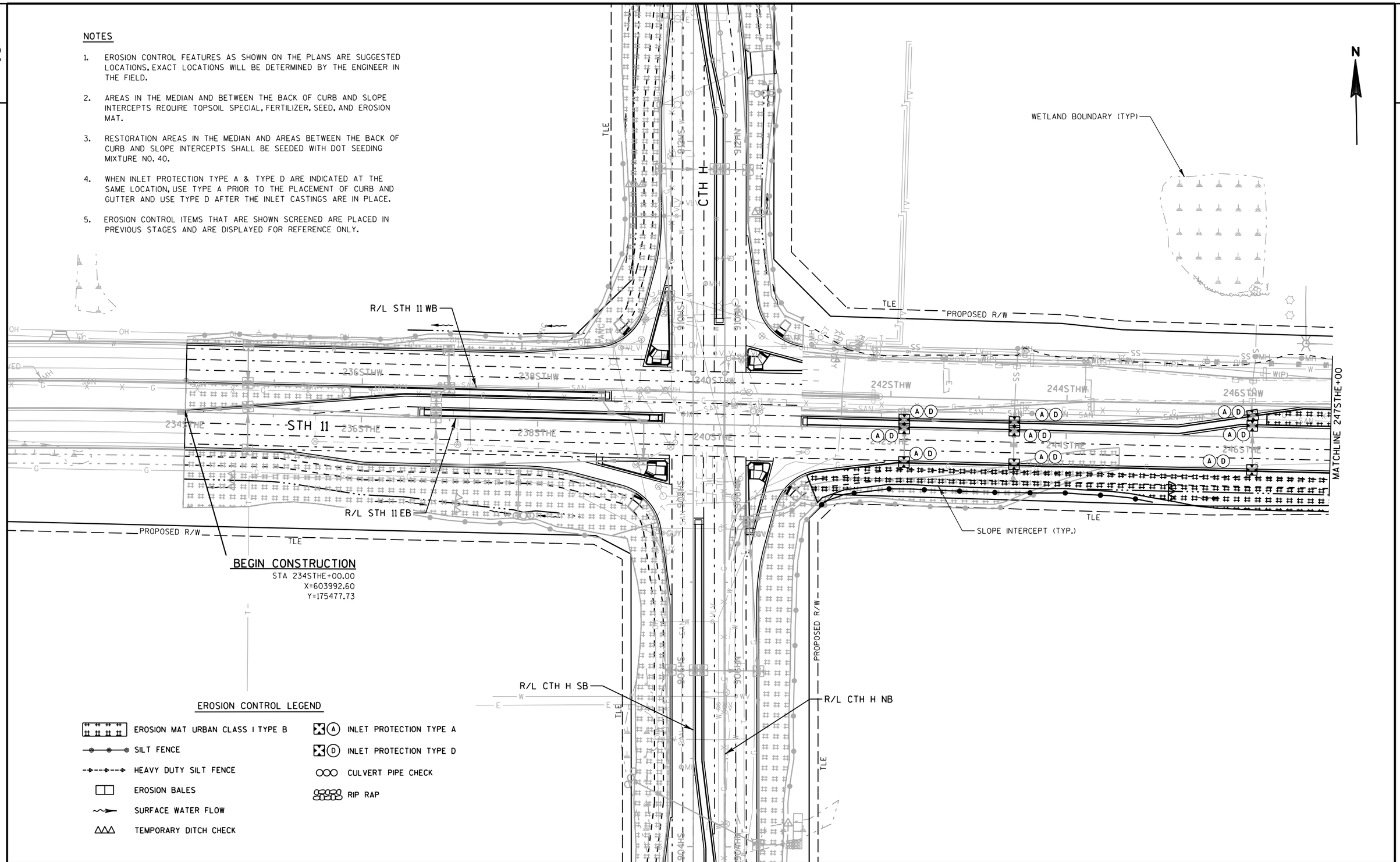
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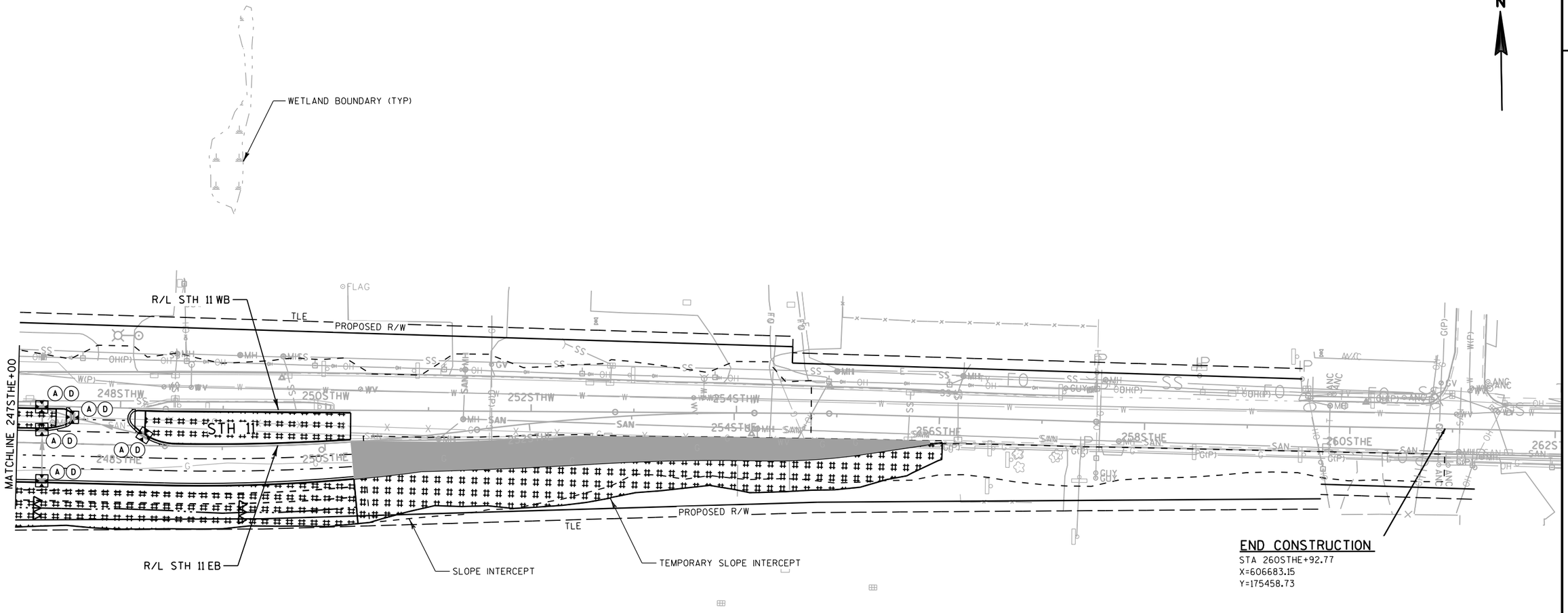
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 3a	SHEET 157	E

2



EROSION CONTROL LEGEND

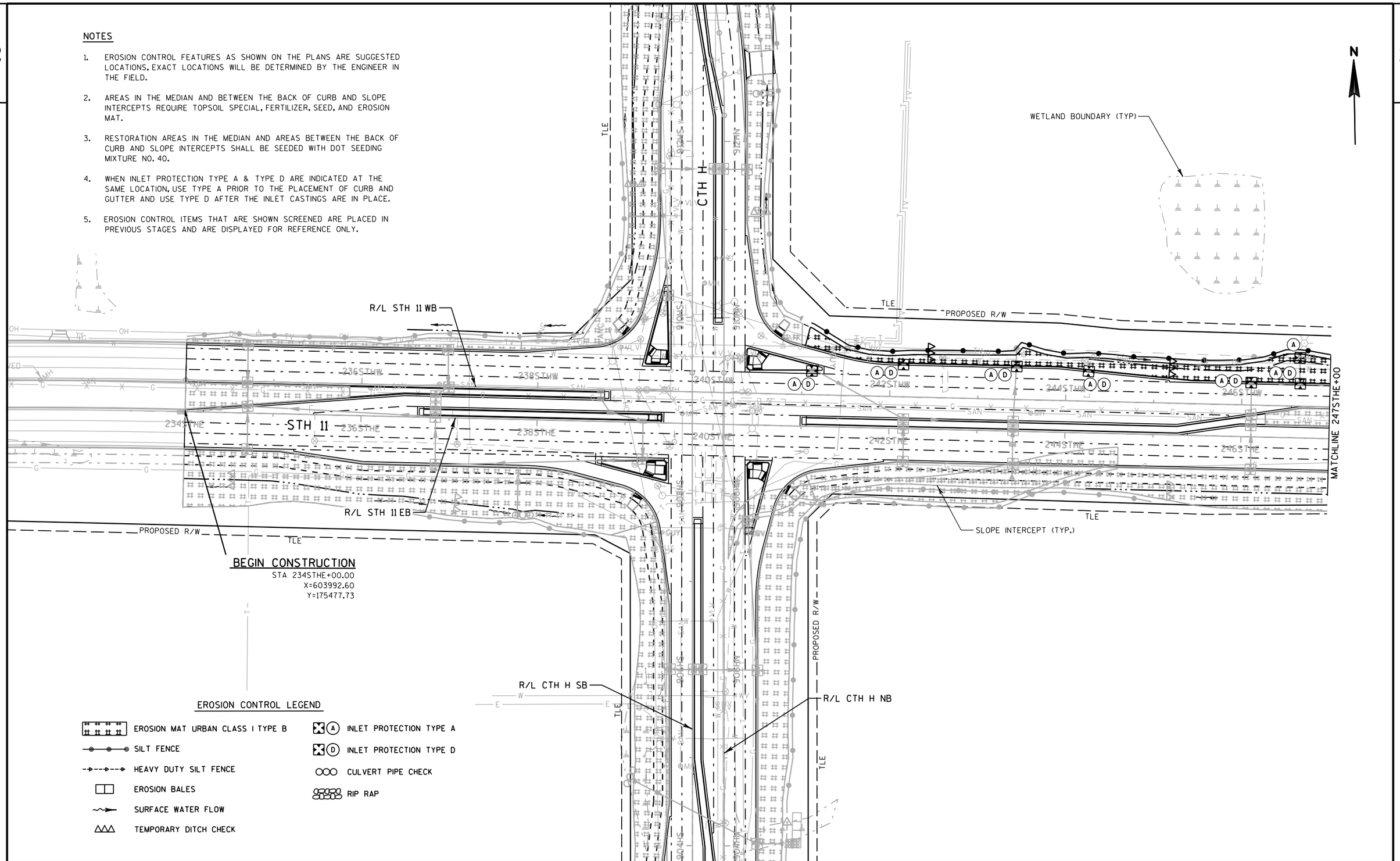
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

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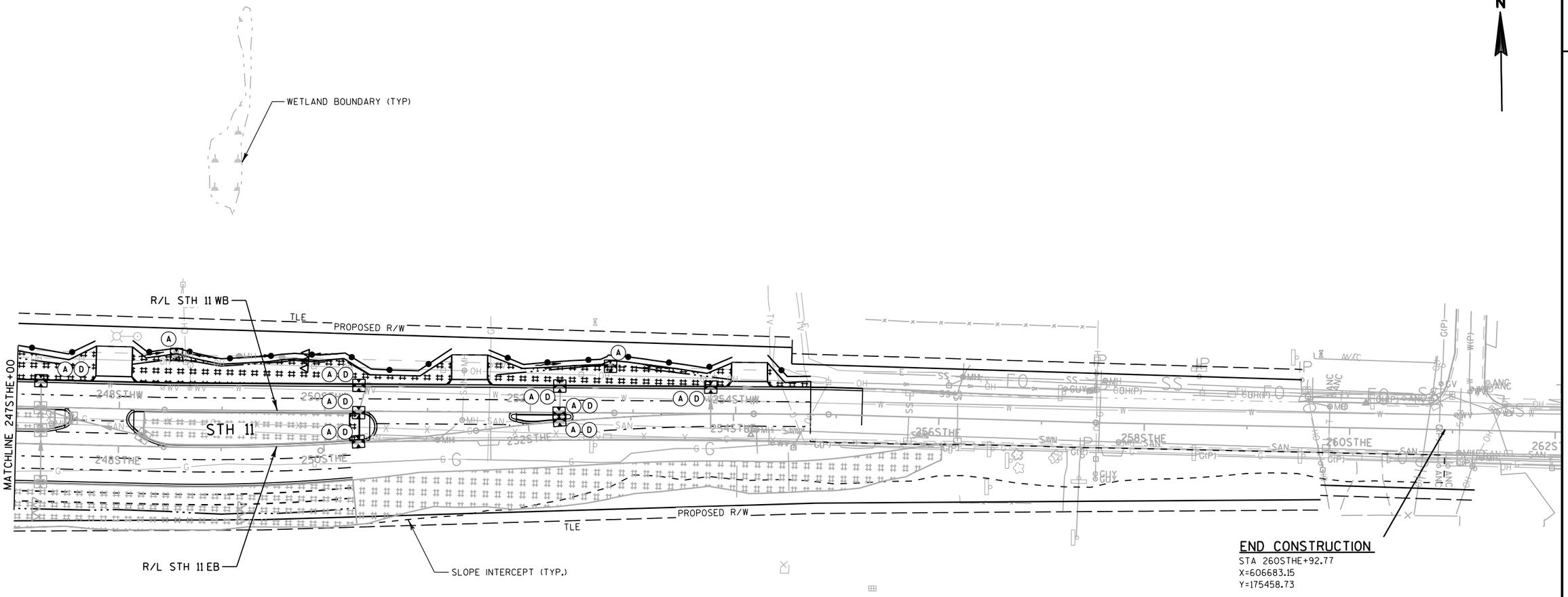


EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 3b	SHEET 159 E

2



EROSION CONTROL LEGEND

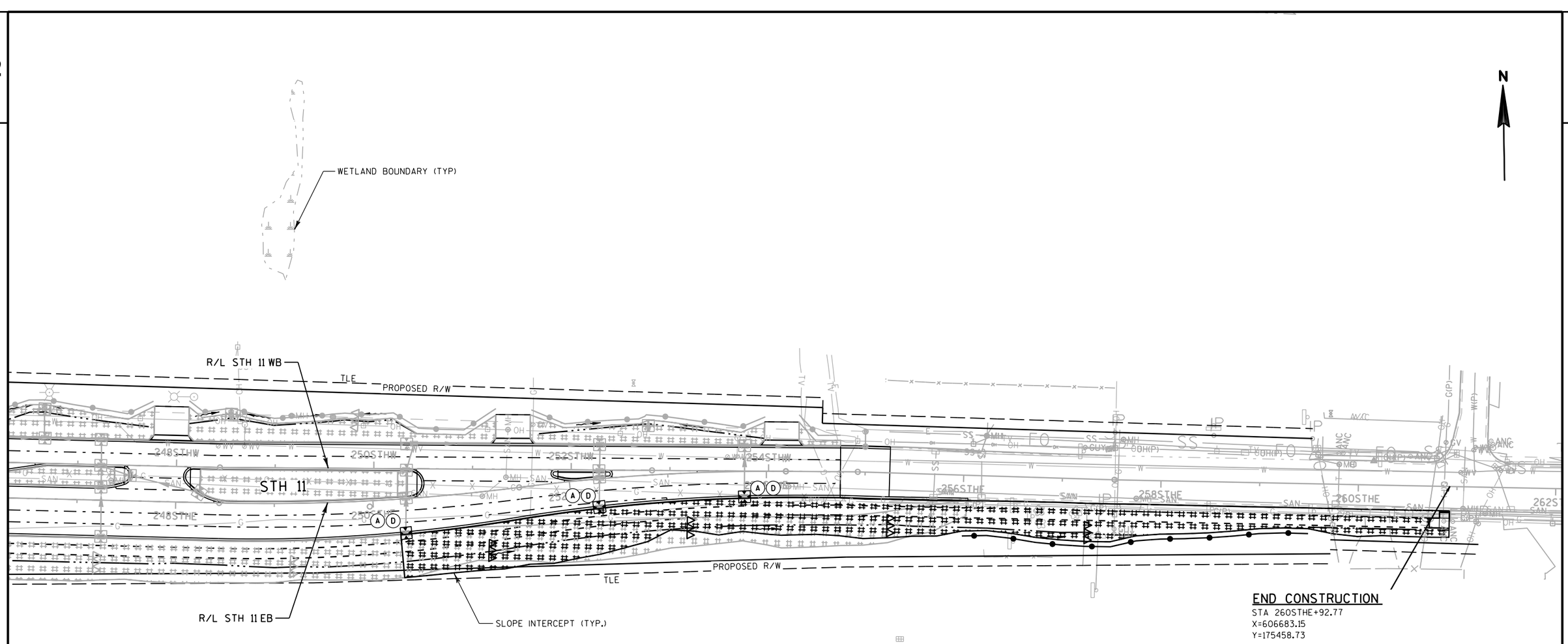
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- EROSION BALES
- SURFACE WATER FLOW
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 3b	SHEET 160	E

2



EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

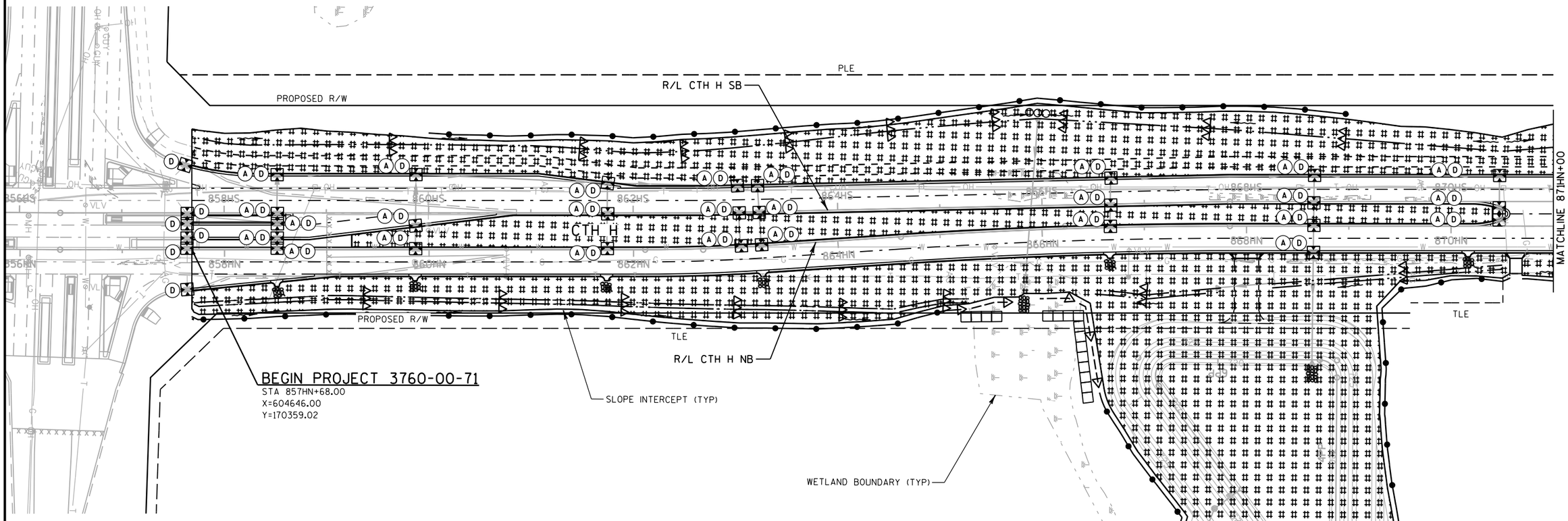
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 3c	SHEET 161	E

NOTES

1. EROSION CONTROL FEATURES AS SHOWN ON THE PLANS ARE SUGGESTED LOCATIONS, EXACT LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
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EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- (A) INLET PROTECTION TYPE A
- (D) INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	EROSION CONTROL: STAGE 4	SHEET 162 E

NOTES

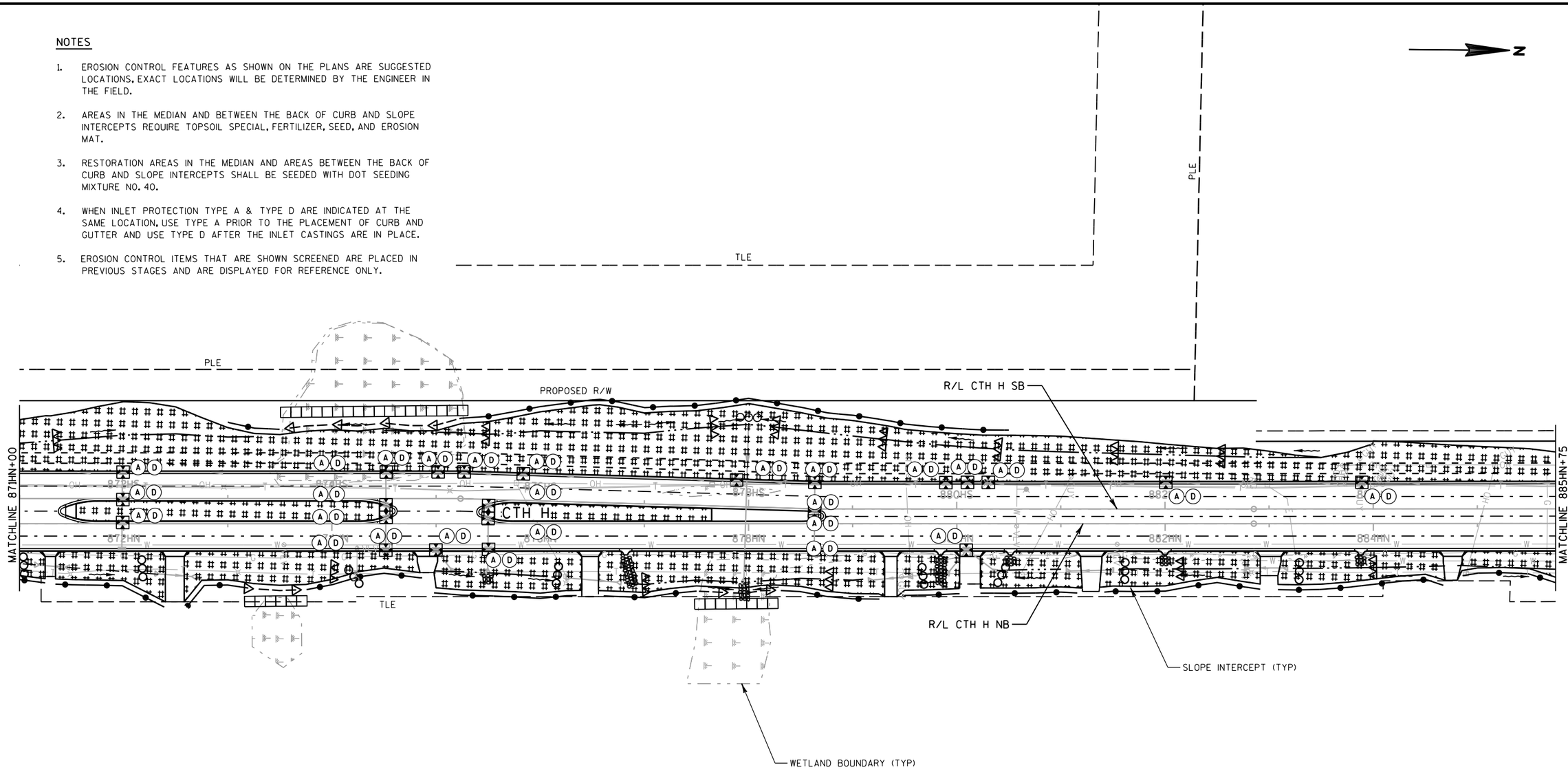
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EROSION CONTROL LEGEND

- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	EROSION CONTROL: STAGE 4	SHEET 163	E

NOTES

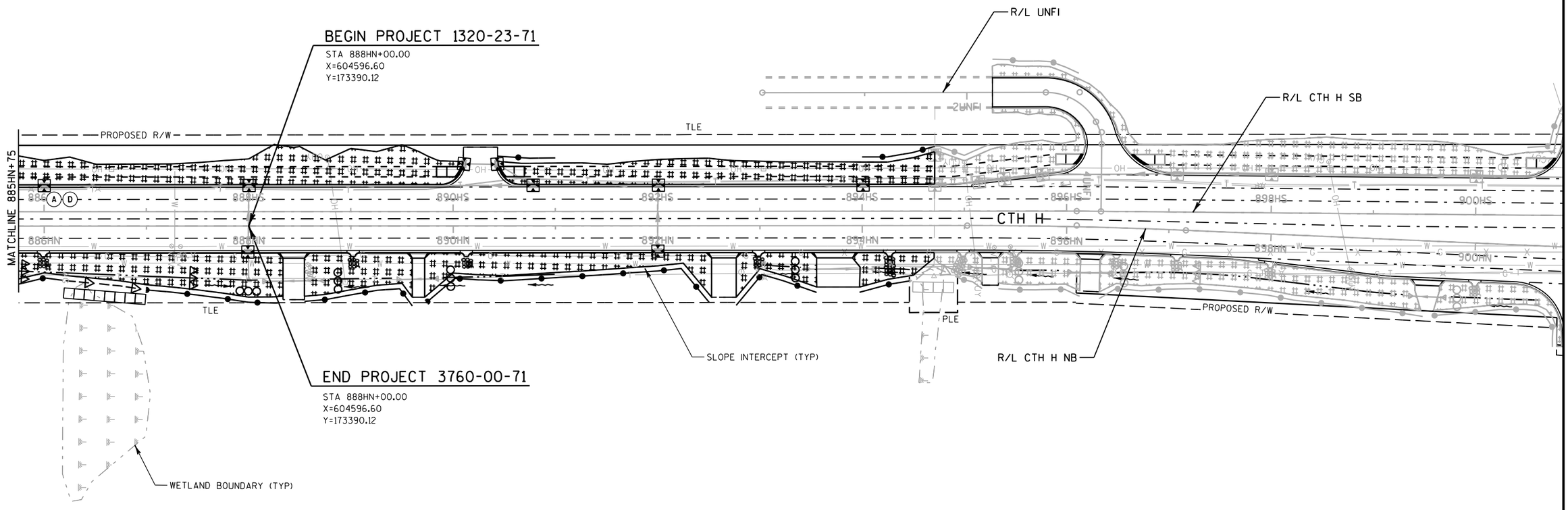
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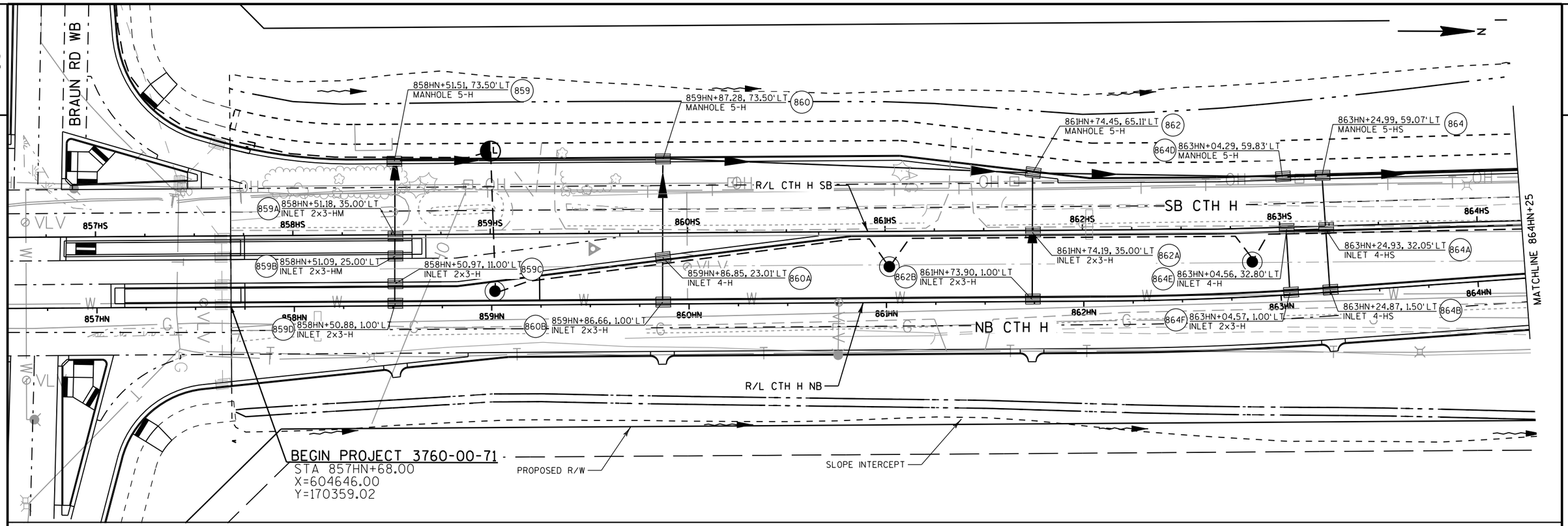
EROSION CONTROL LEGEND

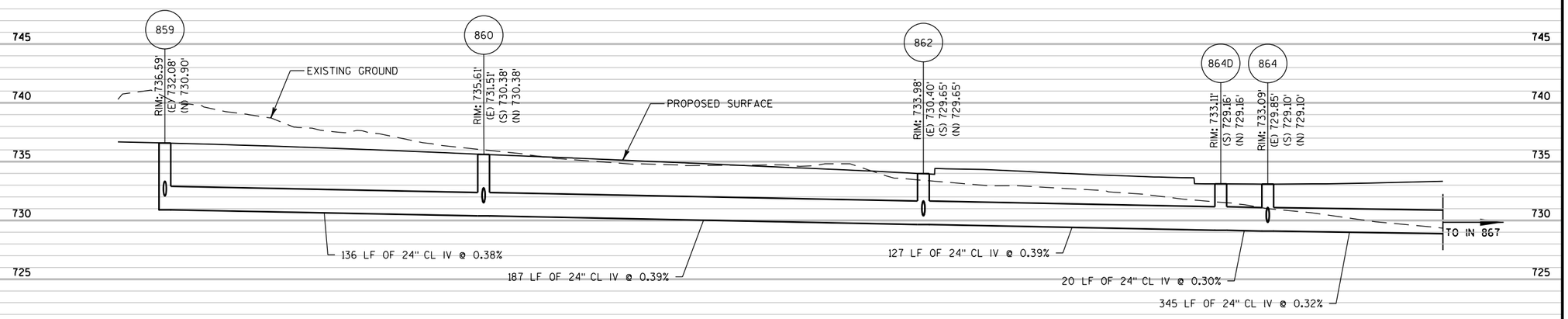
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- HEAVY DUTY SILT FENCE
- EROSION BALES
- SURFACE WATER FLOW
- TEMPORARY DITCH CHECK
- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- CULVERT PIPE CHECK
- RIP RAP

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	EROSION CONTROL: STAGE 4	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 10/26/2022 9:52:30 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

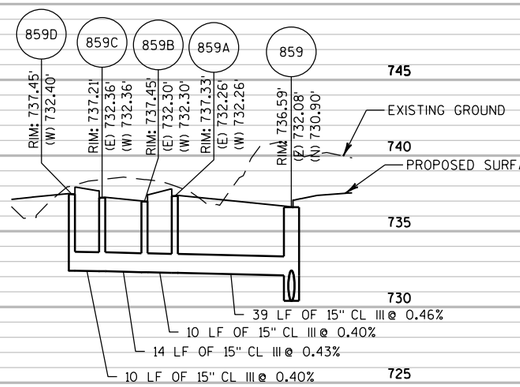
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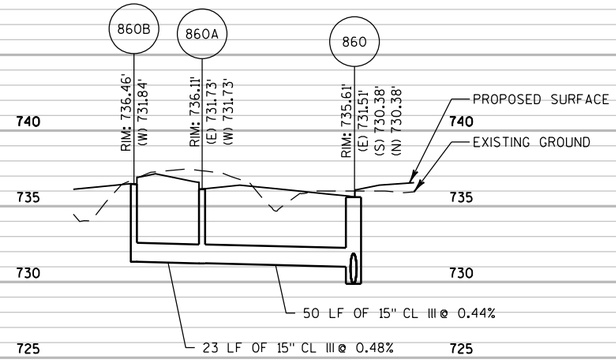


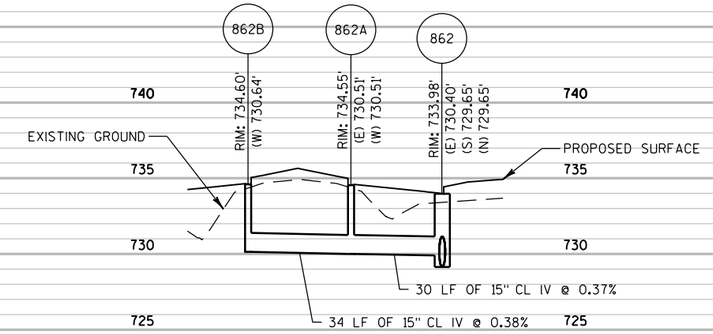


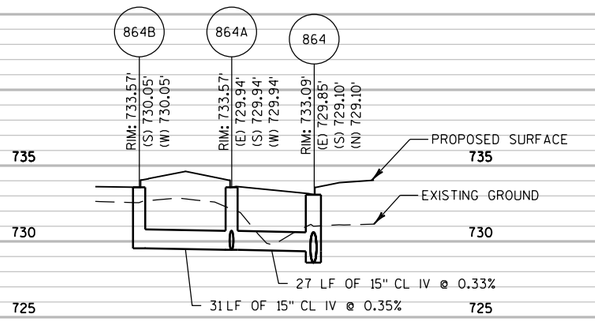
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	STORM SEWER: CTH H	SHEET E

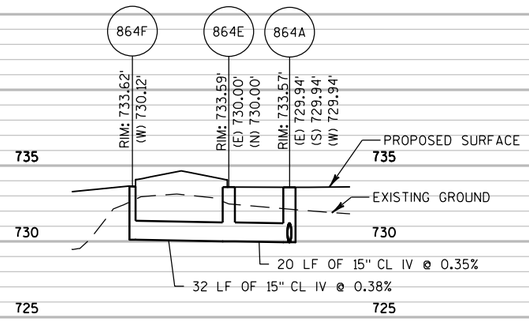
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLAN_PROF\Plan\3760-00-71_CTH-H_PLN.dgn PLOT DATE: 19 Jan 2022 01:06:08 PM PLOT BY : apatek PLOT NAME : PLOT SCALE : 50:1
WISDOT/CADDS SHEET 42


859D
859C
859B
859A
859
RIM: 737.45'
(W) 732.40'
RIM: 737.21'
(E) 732.36'
(W) 732.36'
RIM: 737.45'
(E) 732.30'
(W) 732.30'
RIM: 737.33'
(E) 732.26'
(W) 732.26'
RIM: 736.59'
(E) 732.08'
(N) 730.90'
EXISTING GROUND
PROPOSED SURFACE
745
740
735
730
725
39 LF OF 15" CL III @ 0.46%
10 LF OF 15" CL III @ 0.40%
14 LF OF 15" CL III @ 0.43%
10 LF OF 15" CL III @ 0.40%

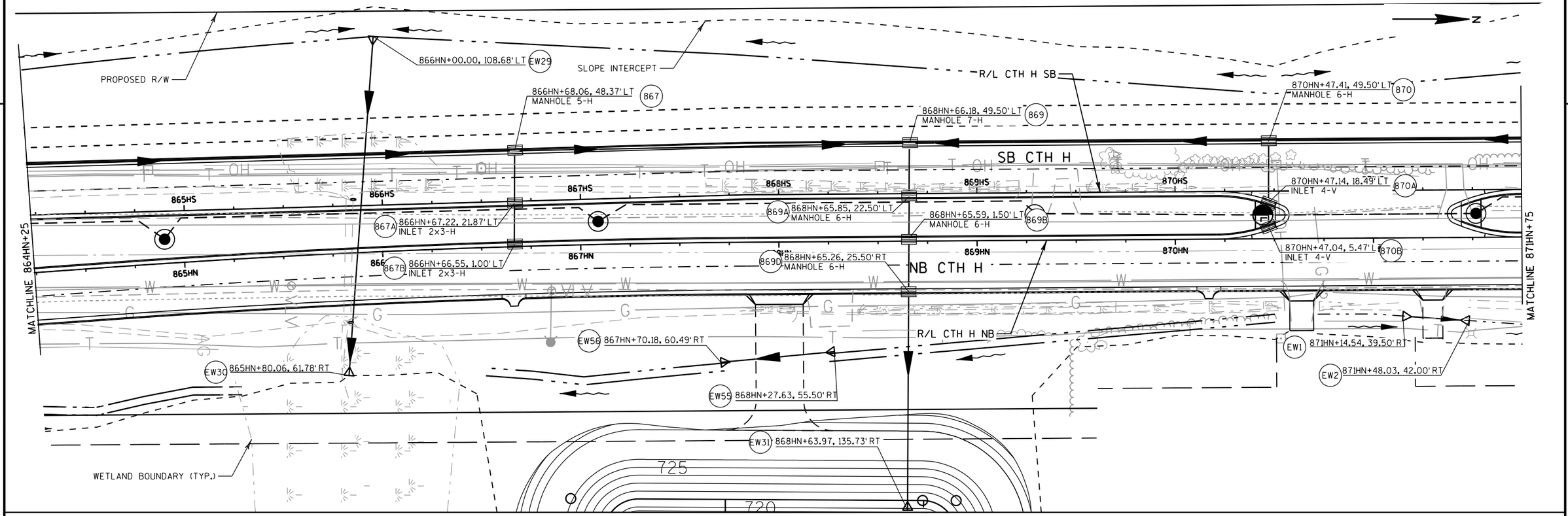

860B
860A
860
RIM: 736.46'
(W) 731.84'
RIM: 736.11'
(E) 731.73'
(W) 731.73'
RIM: 735.61'
(E) 731.51'
(S) 730.38'
(N) 730.38'
PROPOSED SURFACE
EXISTING GROUND
740
735
730
725
50 LF OF 15" CL III @ 0.44%
23 LF OF 15" CL III @ 0.48%

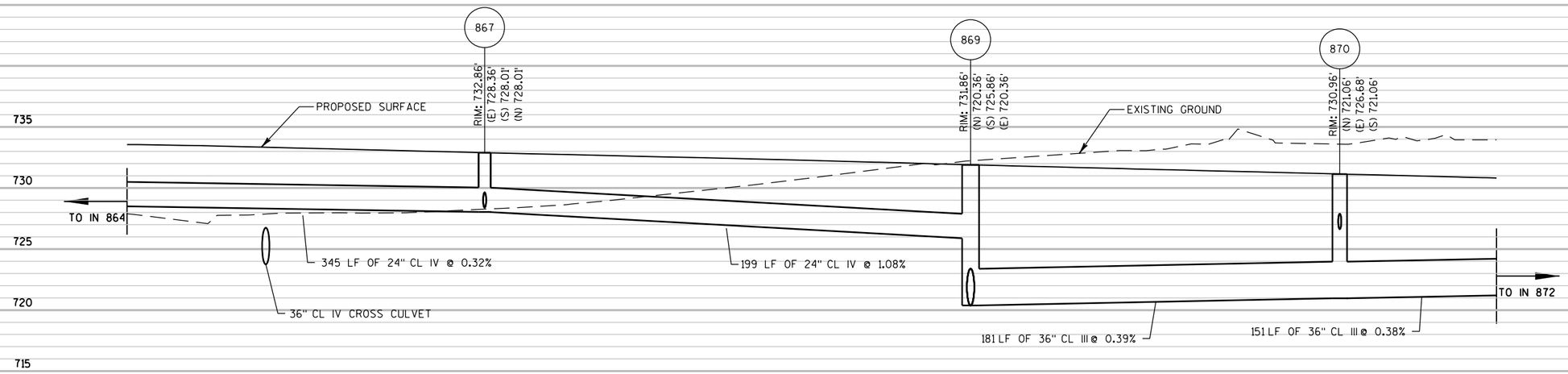

862B
862A
862
RIM: 734.60'
(W) 730.64'
RIM: 734.55'
(E) 730.51'
(W) 730.51'
RIM: 733.98'
(E) 730.40'
(S) 729.65'
(N) 729.65'
EXISTING GROUND
PROPOSED SURFACE
740
735
730
725
30 LF OF 15" CL IV @ 0.37%
34 LF OF 15" CL IV @ 0.38%


864B
864A
864
RIM: 733.57'
(S) 730.05'
(W) 730.05'
RIM: 733.57'
(E) 729.94'
(S) 729.94'
(W) 729.94'
RIM: 733.09'
(E) 729.85'
(S) 729.10'
(N) 729.10'
PROPOSED SURFACE
EXISTING GROUND
735
730
725
27 LF OF 15" CL IV @ 0.33%
31 LF OF 15" CL IV @ 0.35%


864F
864E
864A
RIM: 733.62'
(W) 730.12'
RIM: 733.59'
(E) 730.00'
(N) 730.00'
RIM: 733.57'
(E) 729.94'
(S) 729.94'
(W) 729.94'
PROPOSED SURFACE
EXISTING GROUND
735
730
725
20 LF OF 15" CL IV @ 0.35%
32 LF OF 15" CL IV @ 0.38%

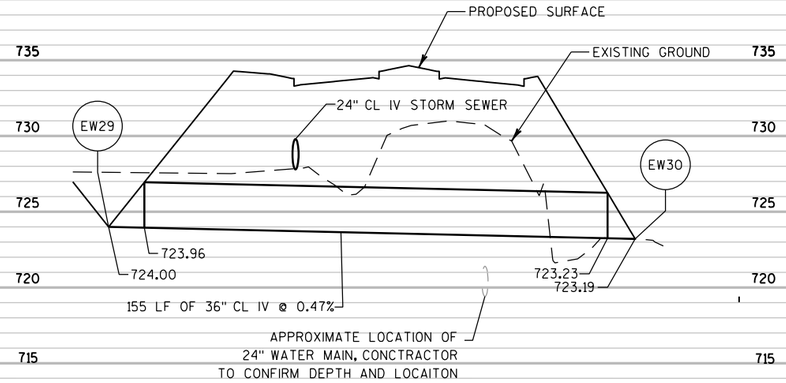
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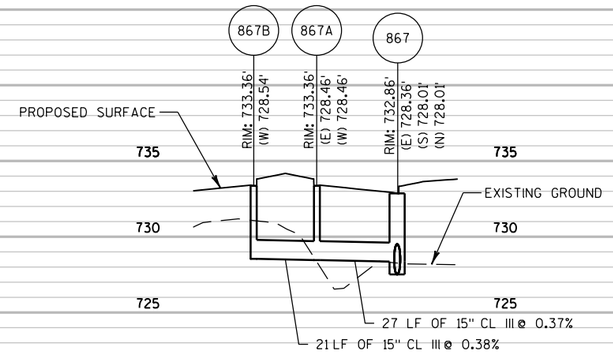


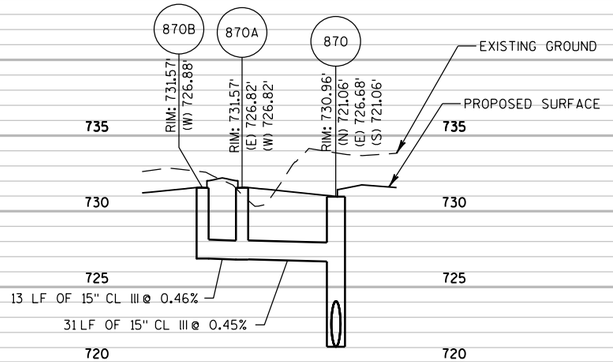


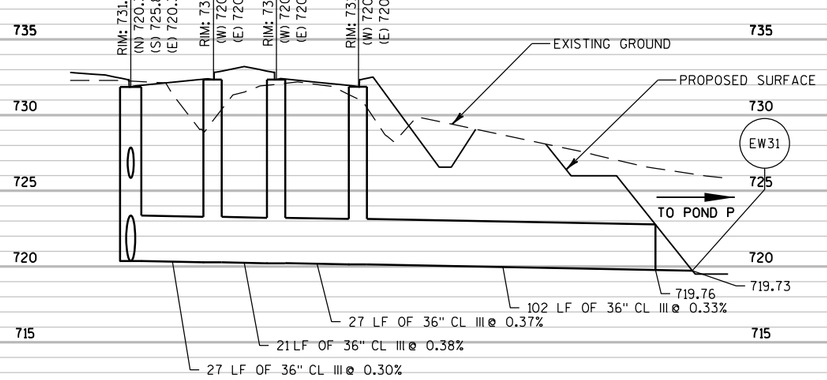
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	STORM SEWER: CTH H	SHEET	E

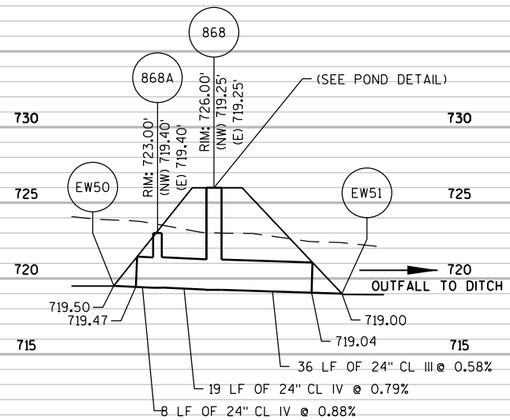
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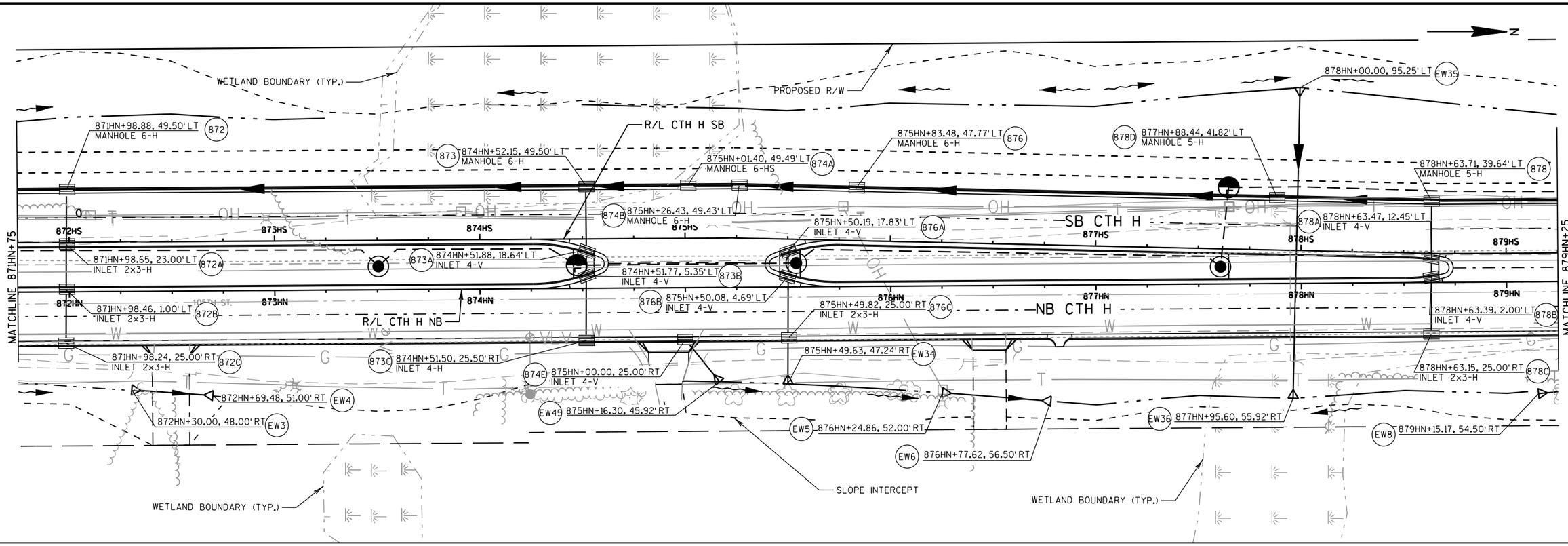


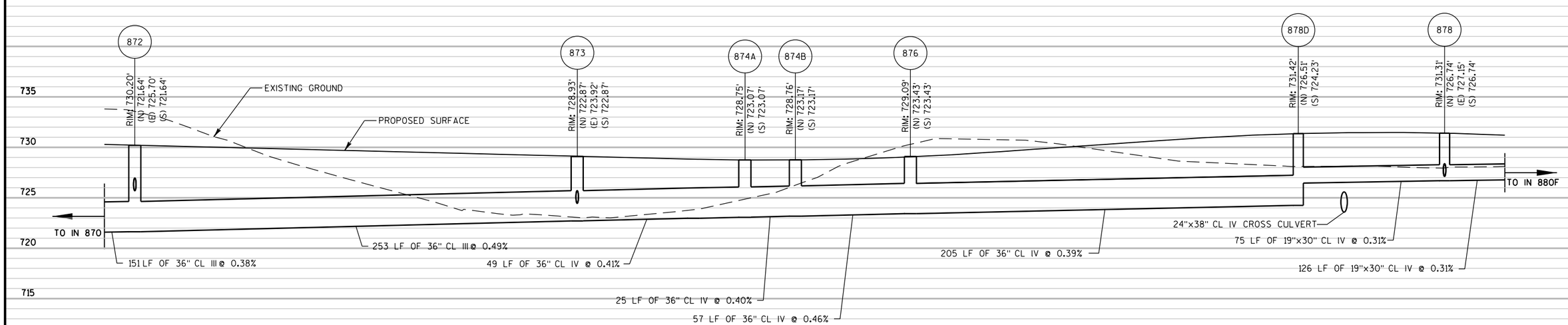




PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	STORM SEWER: CTH H PROFILES	SHEET 168	E

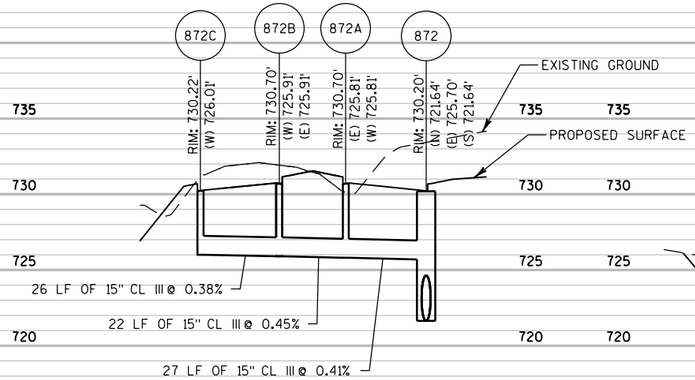
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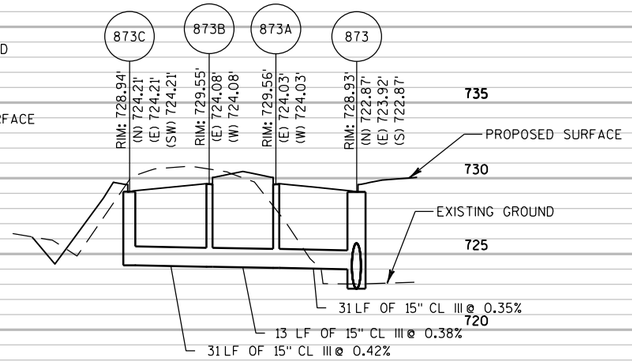


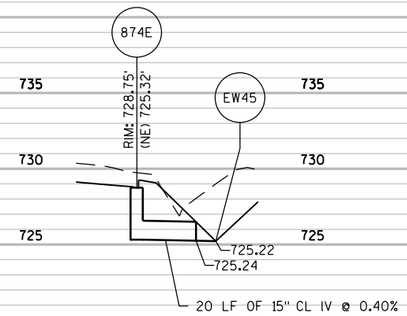


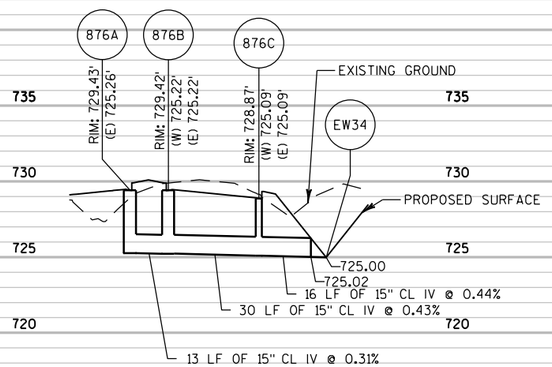
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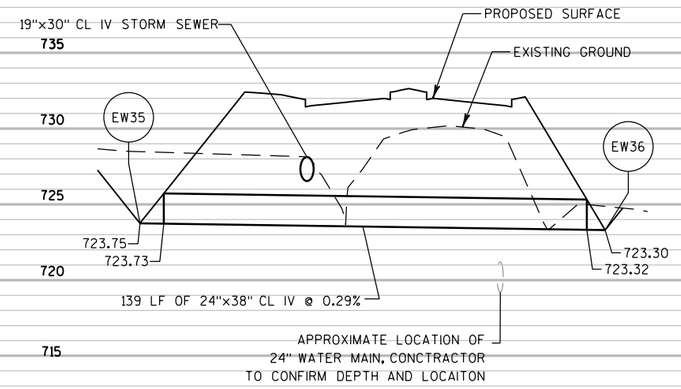
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WISDOT/CADDS SHEET 42

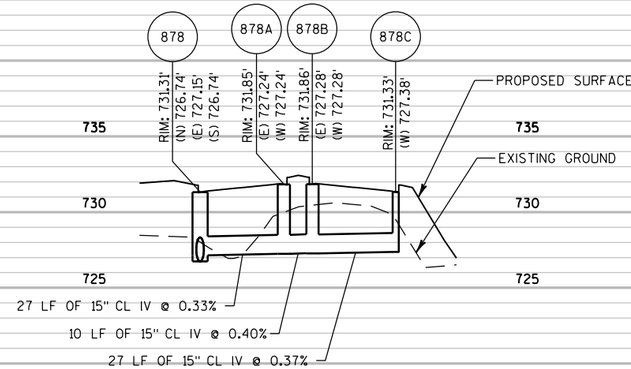






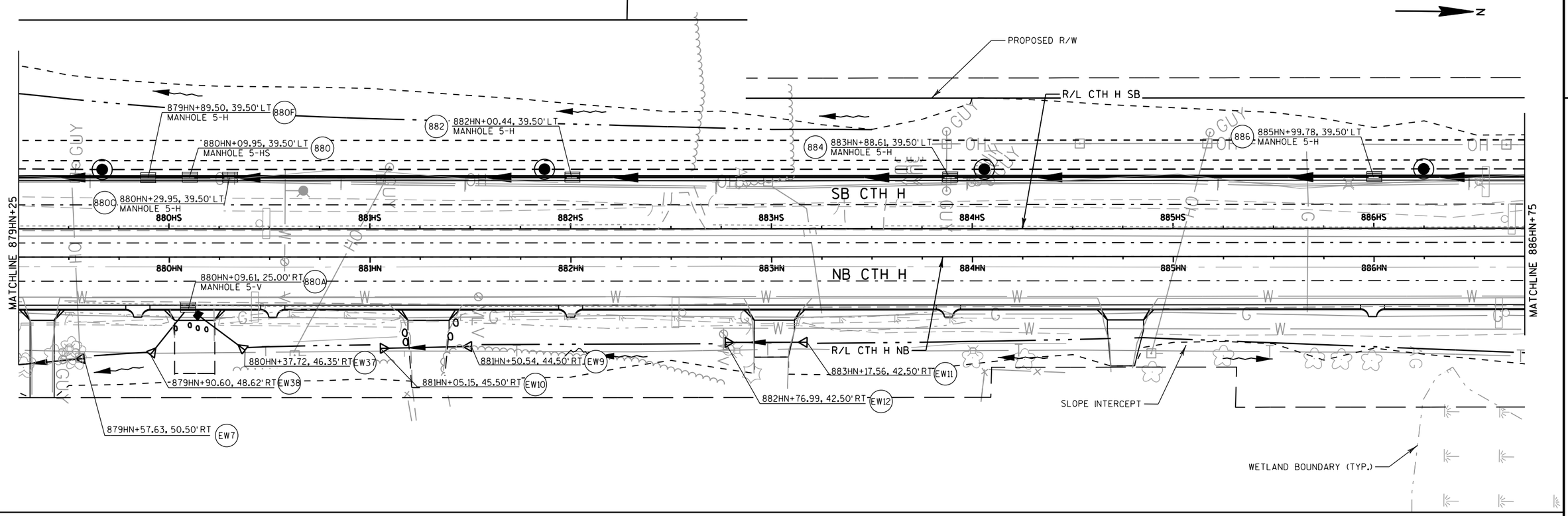


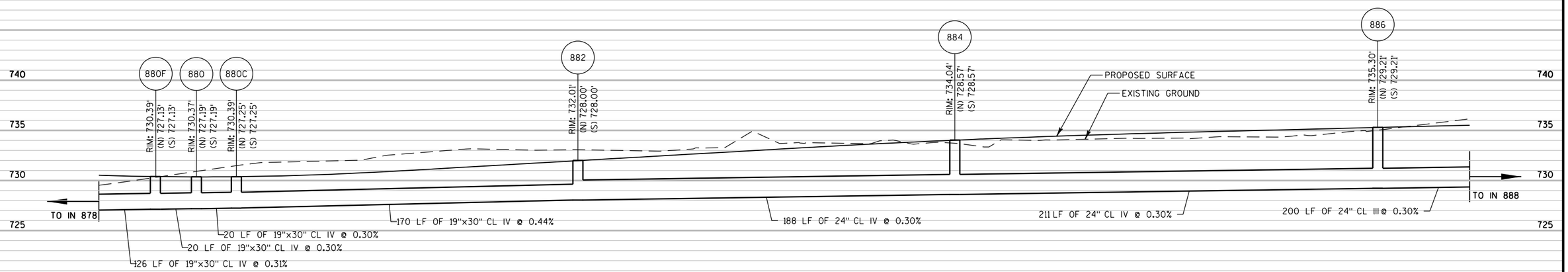




PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	STORM SEWER: CTH H PROFILES	SHEET 170	E

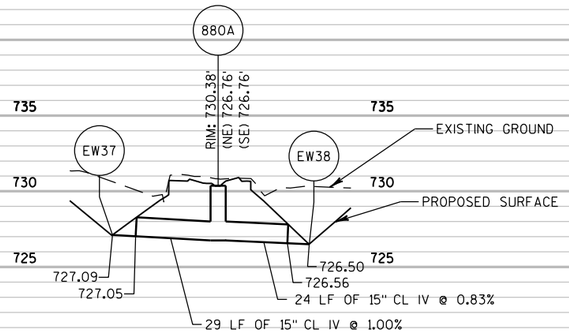
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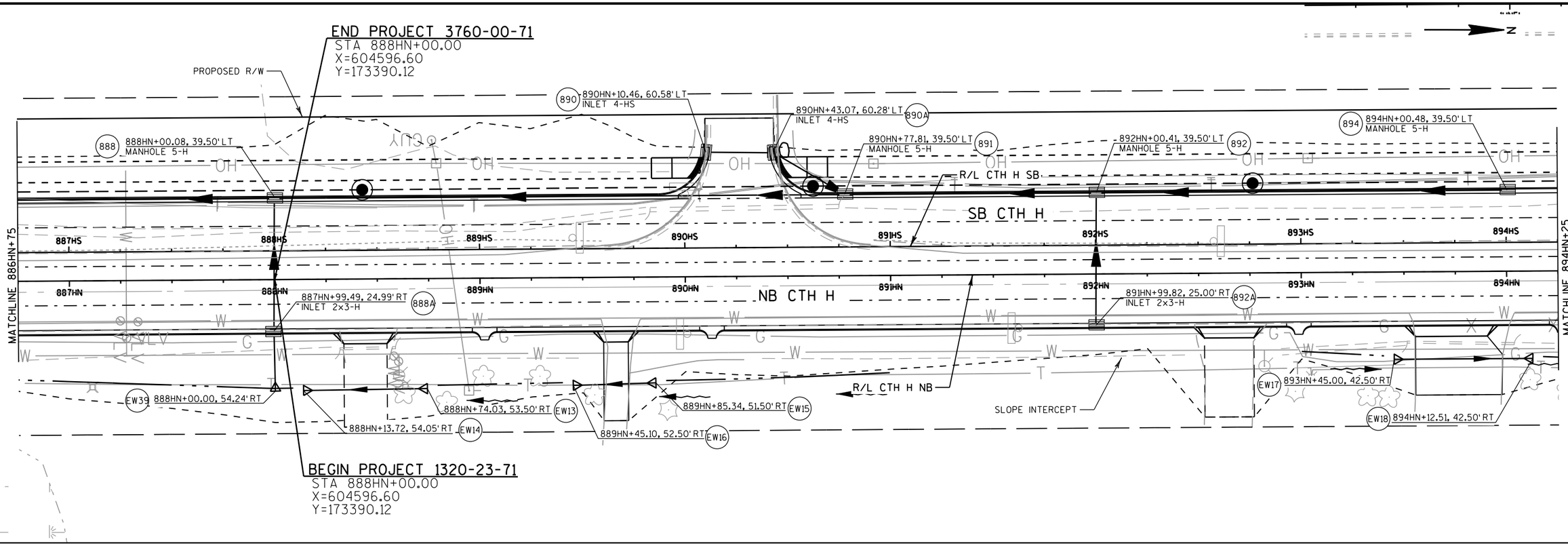
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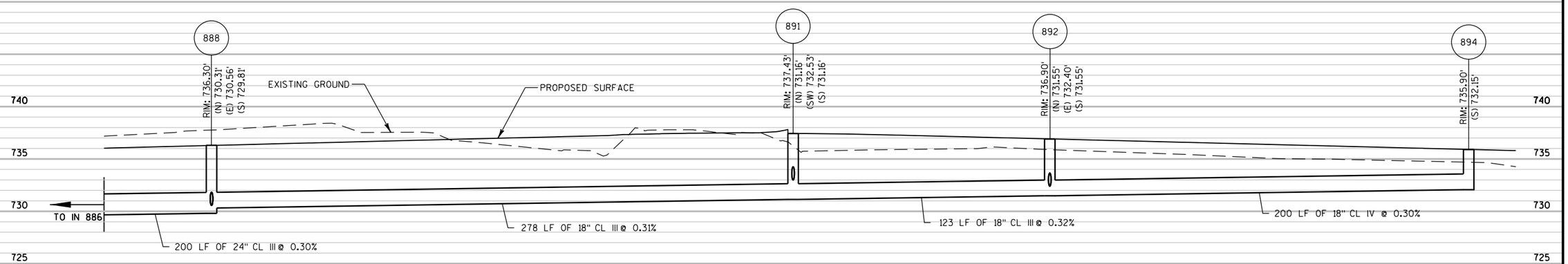
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PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	STORM SEWER: CTH H PROFILES	SHEET 172	E

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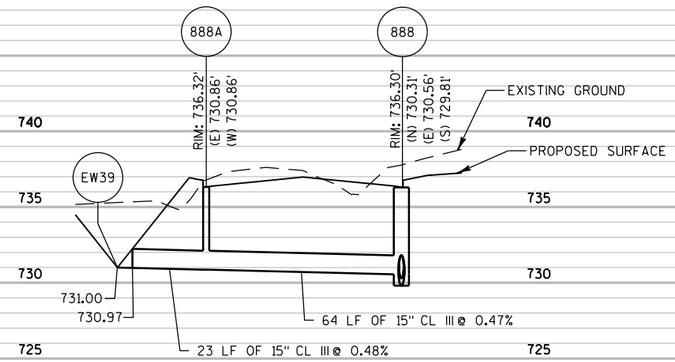


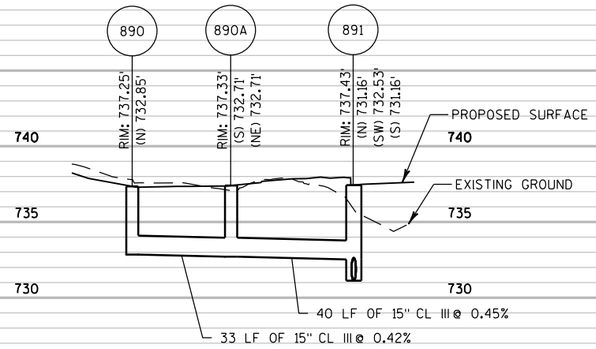


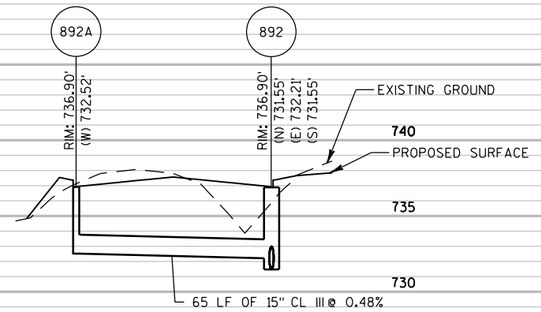
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_NOT_DATE\plan sheets\STORM SEWER PLN.dgn PLOT BY : apatek PLOT NAME : PLOT SCALE : 50:1

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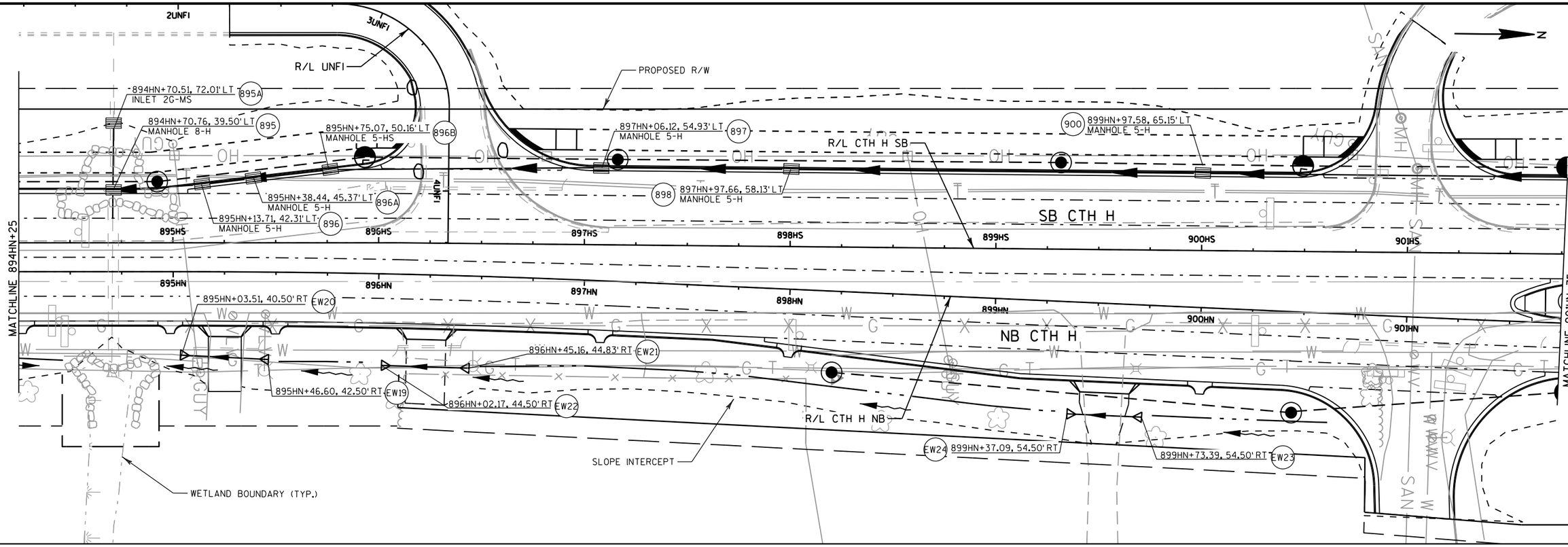


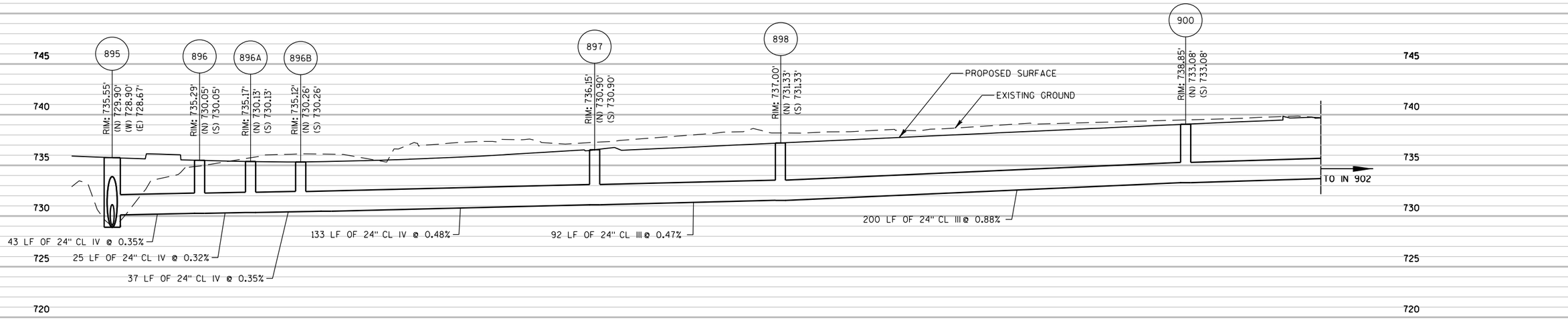




PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H PROFILES	SHEET 174	E

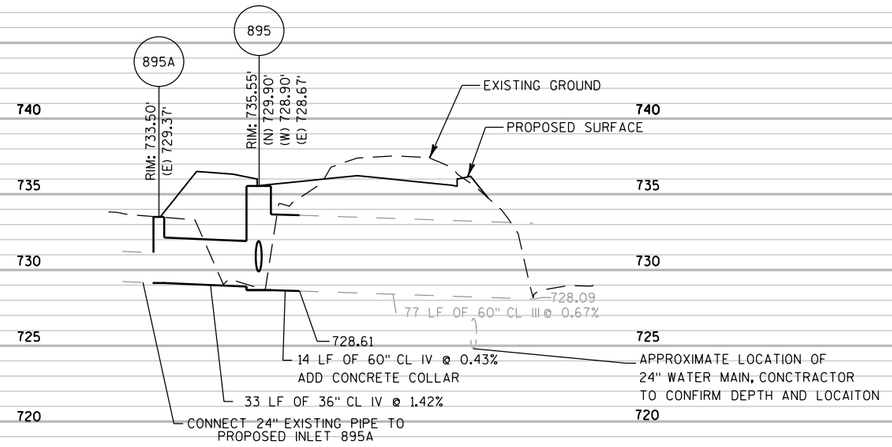
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H	SHEET	E

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WISDOT/CADDS SHEET 42

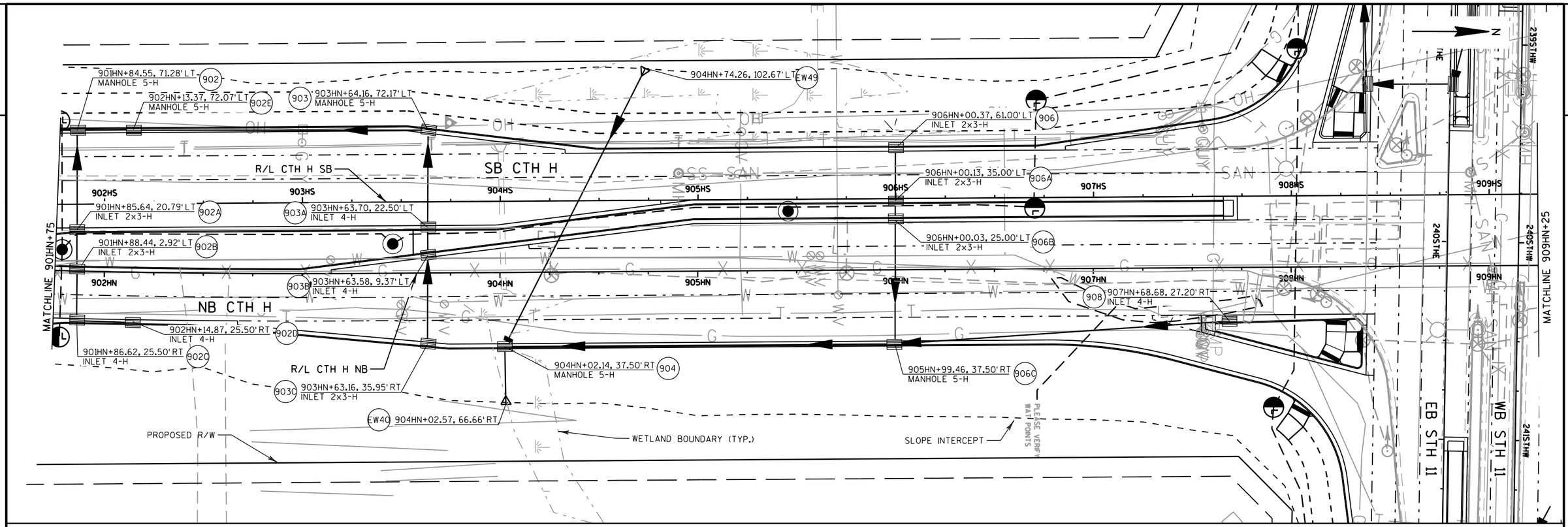


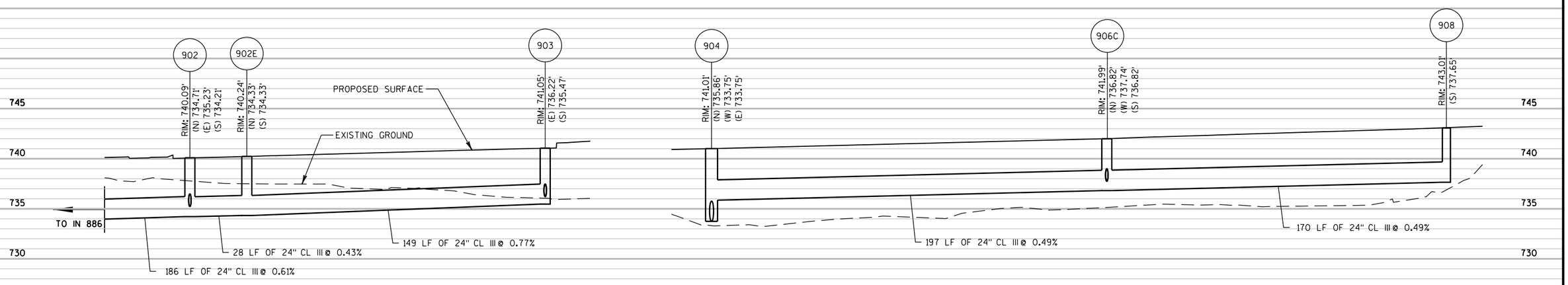
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H PROFILES	SHEET	E

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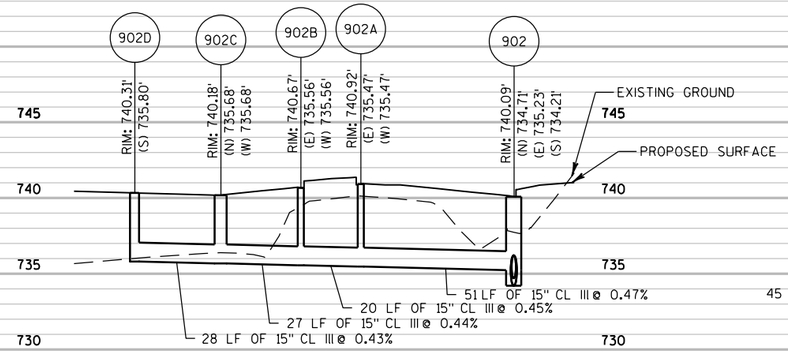
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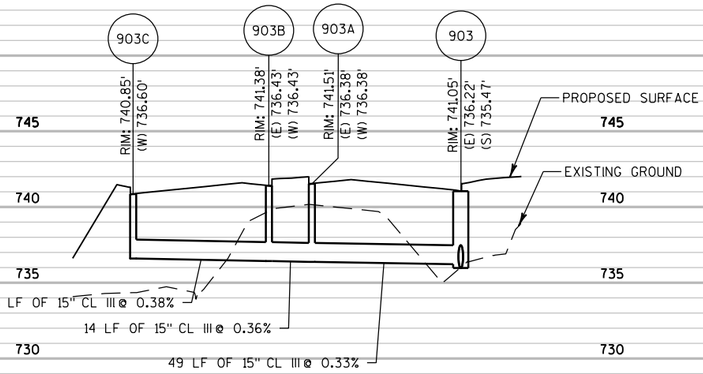


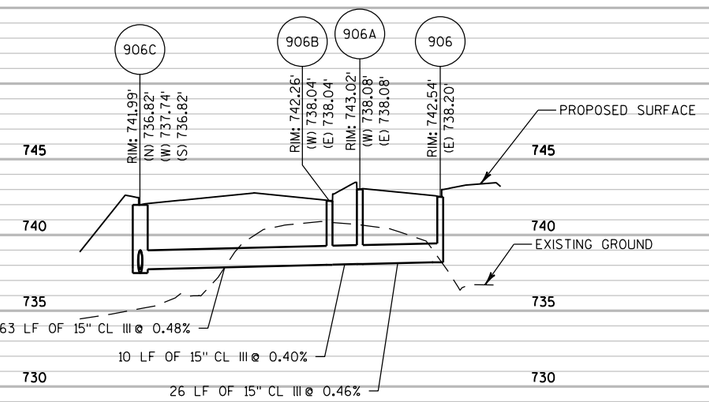


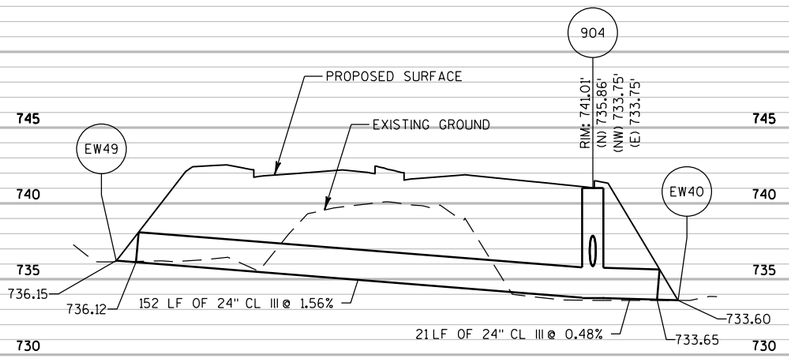
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H	SHEET 177	E

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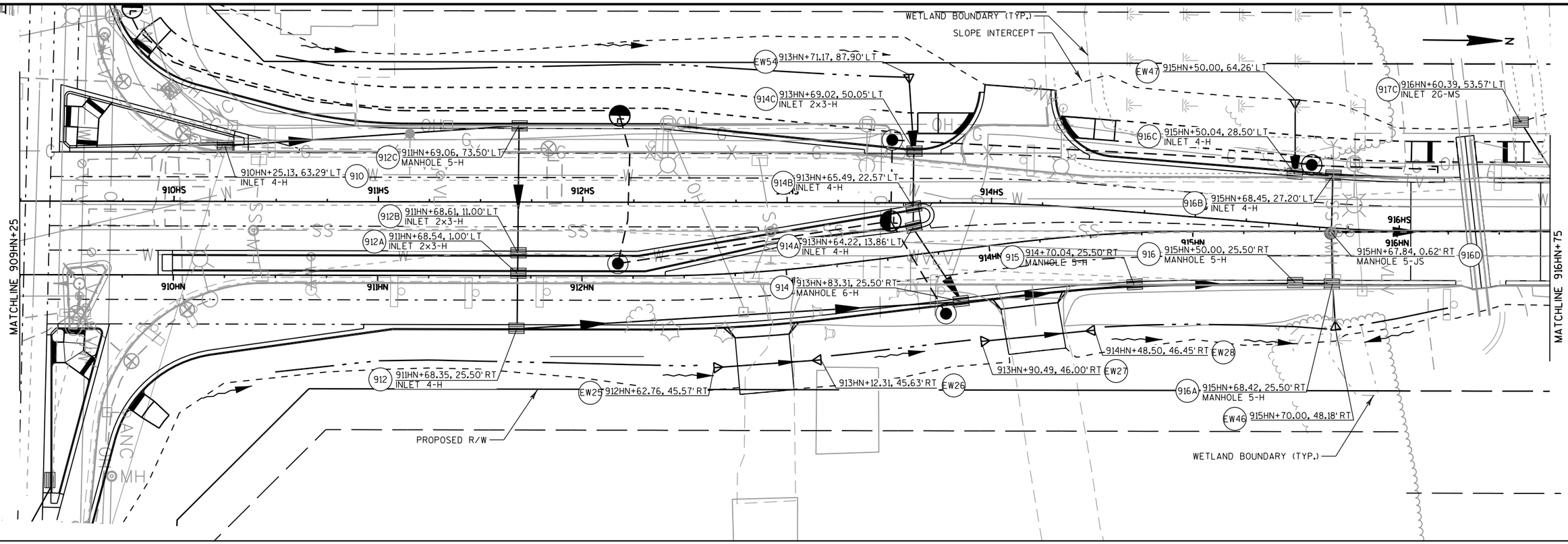


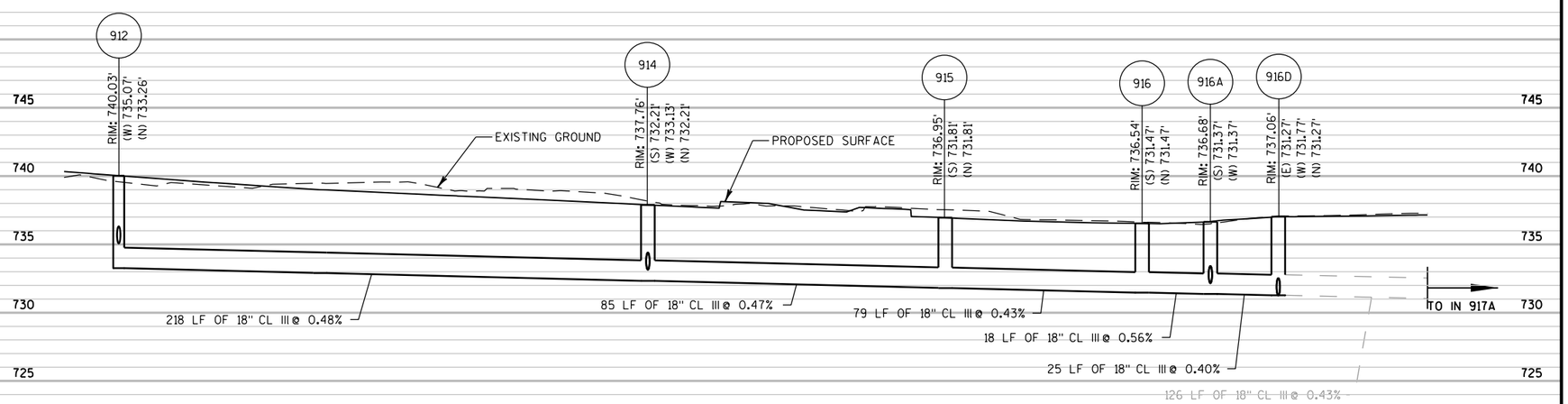




PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H PROFILES	SHEET 178	E

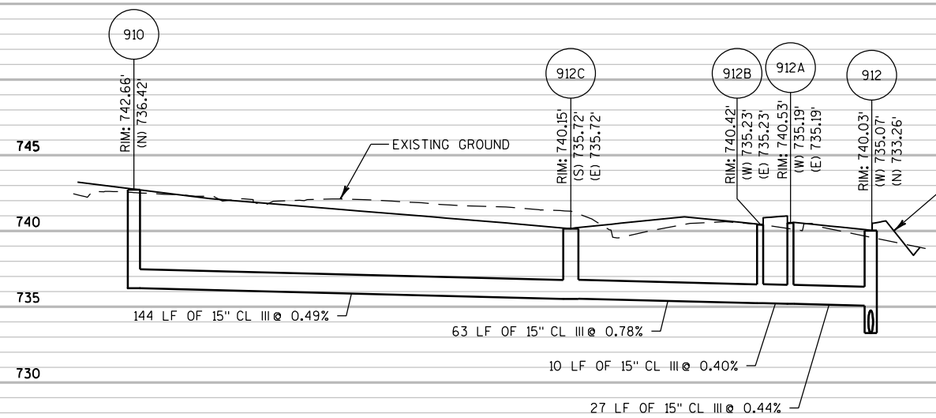
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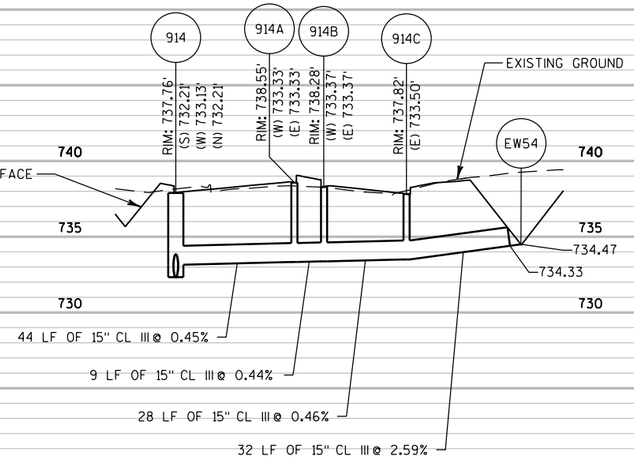


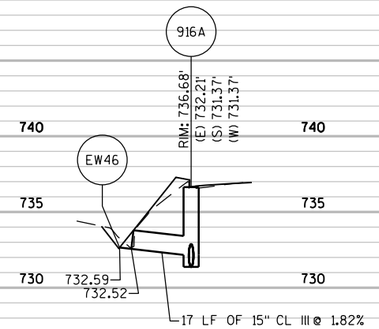


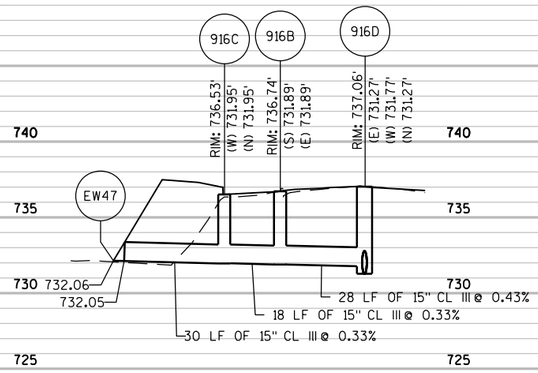
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H	SHEET 179	E

2









PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H PROFILES	SHEET 180	E

2

PROPOSED R/W

916HN+78.48, 25.50'LT
MANHOLE 5-H
917B

916HN+93.79, 1.00'LT
MANHOLE 7-JS
917A

MATCHLINE 916HN+75

917HN+10.99, 25.50'RT
MANHOLE 5-H
917

917HN+25.00, 55.55'RT
EW41

SLOPE INTERCEPT

918HN+99.57, 25.00'LT
INLET 2x3-H
919A

918HN+99.21, 25.00'RT
INLET 2x3-H
919

918HN+98.83, 49.02'RT
EW48

WETLAND BOUNDARY (TYP.)

WETLAND BOUNDARY (TYP.)

920HN+74.37, 25.50'LT
INLET 4-H
920A

920HN+74.00, 25.50'RT
INLET 4-H
920

920HN+94.90, 43.18'RT
EW42

921HN+00.00, 49.00'LT
INLET 2G-MS
920C

921HN+00.00, 25.50'LT
INLET 4-HS
920B

921HN+00.00, 25.50'RT
INLET 4-HS
921

SB CTH H

NB CTH H

R/L CTH H NB

END CONSTRUCTION
STA 922HN+00.00
X=604572.84
Y=176788.40

916HN 917HN 918HN 919HN 920HN 921HN 922HN 923HN 924HN

740
735
730

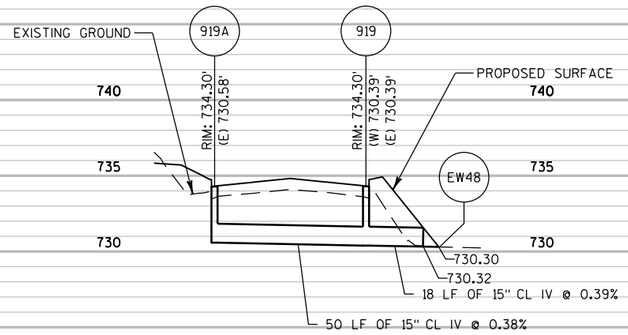
PROPOSED SURFACE

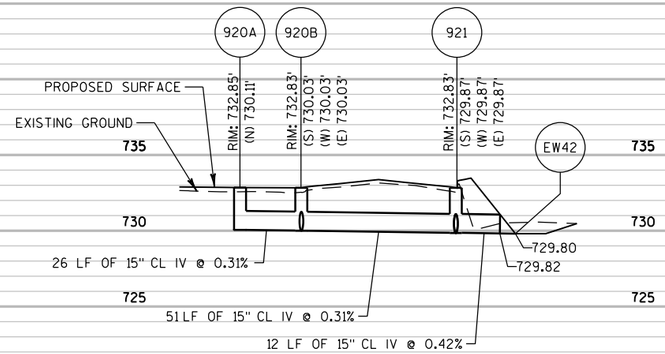
EXISTING GROUND

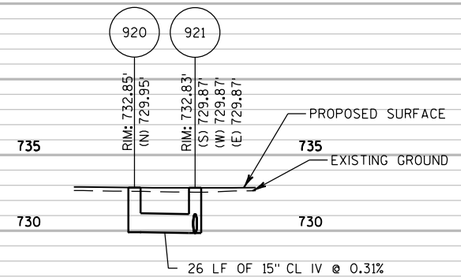
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H	SHEET 181	E

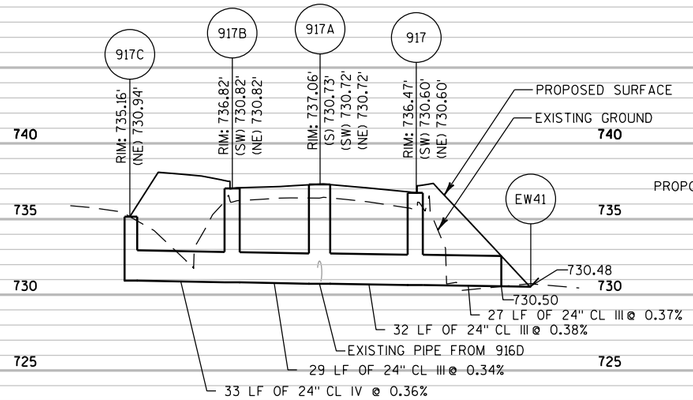
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_NB\Plots\19x30\CTHHPLN.dgn PLOT DATE: 19 Dec 2022 09:33:13 PLOT BY : apatek PLOT NAME : PLOT SCALE : 50:1

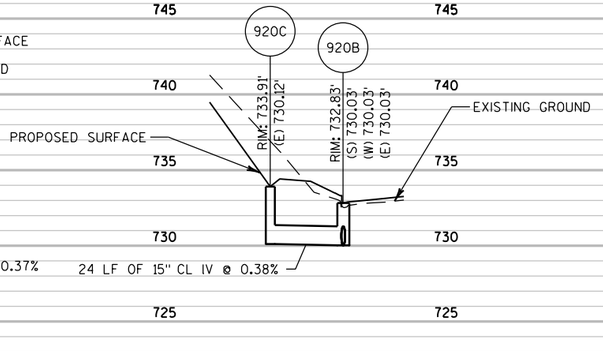
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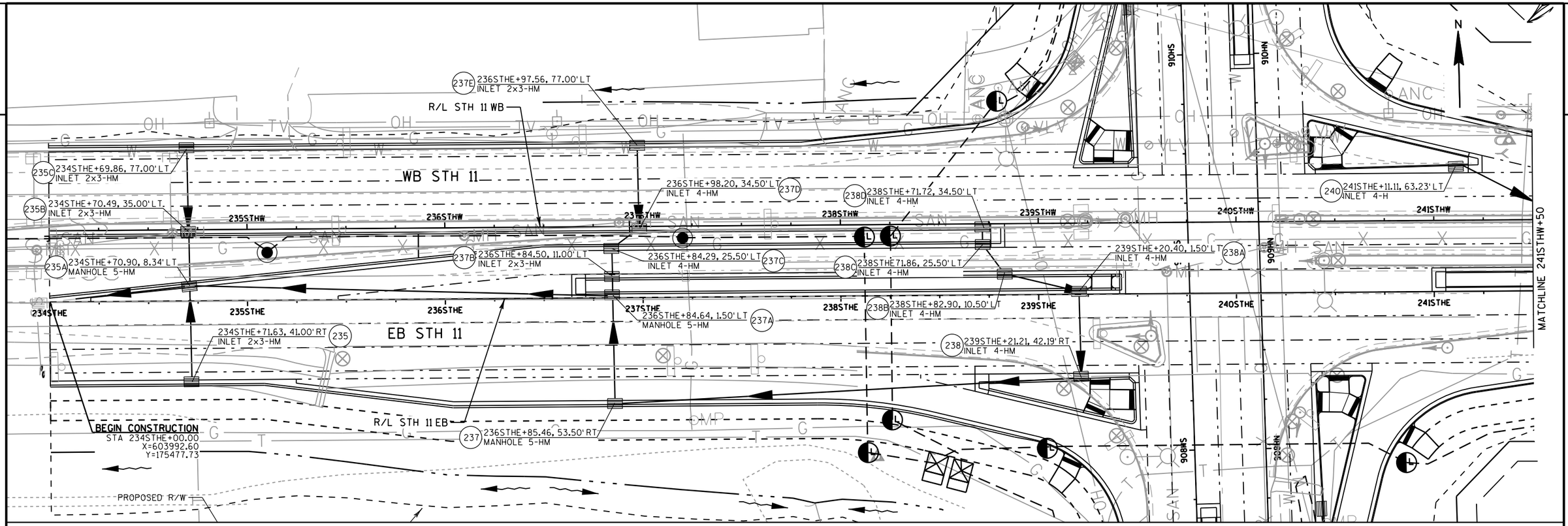


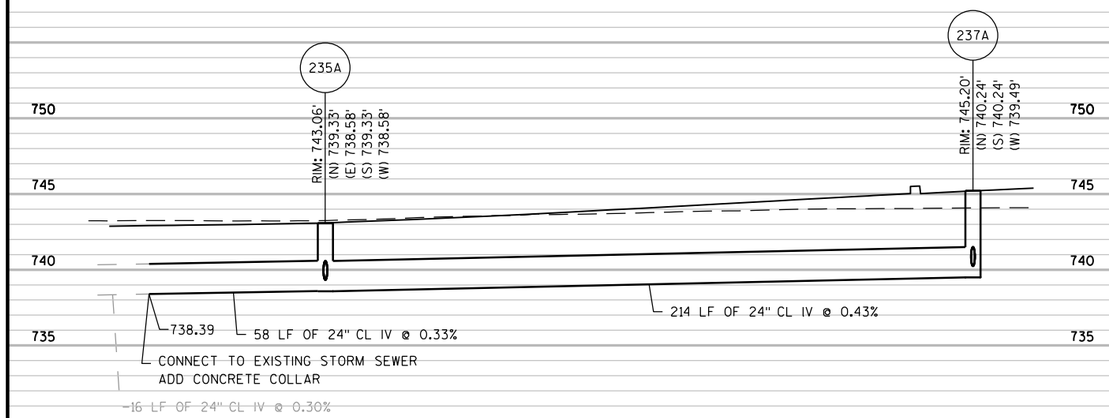




PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: CTH H PROFILES	SHEET 182	E

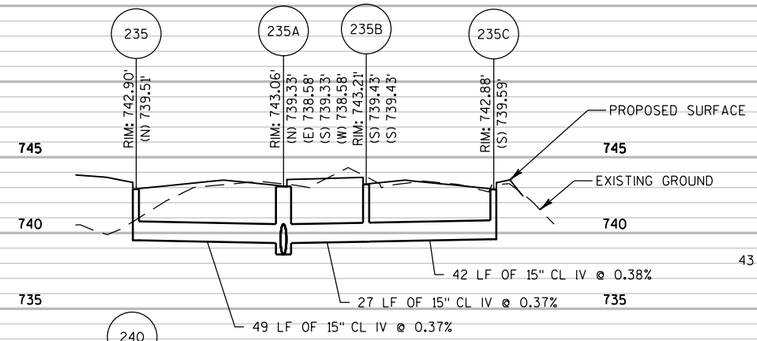
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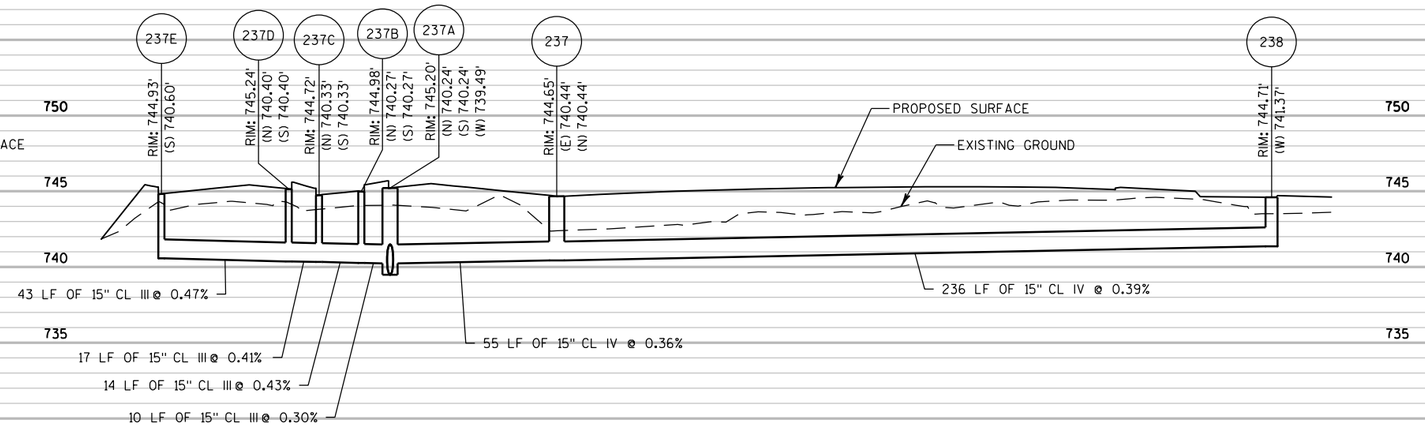


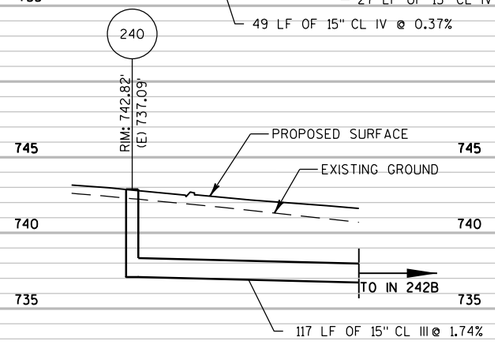


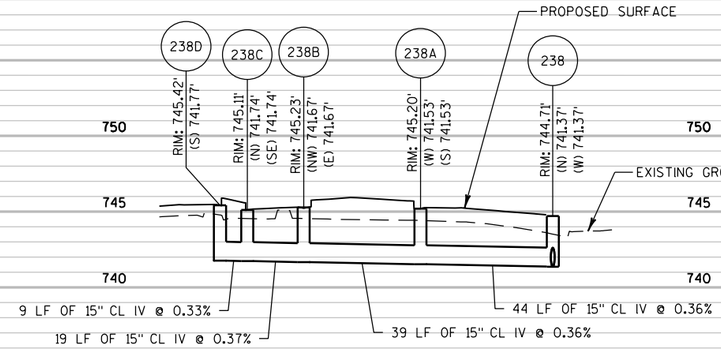
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: STH 11	SHEET 183	E

2





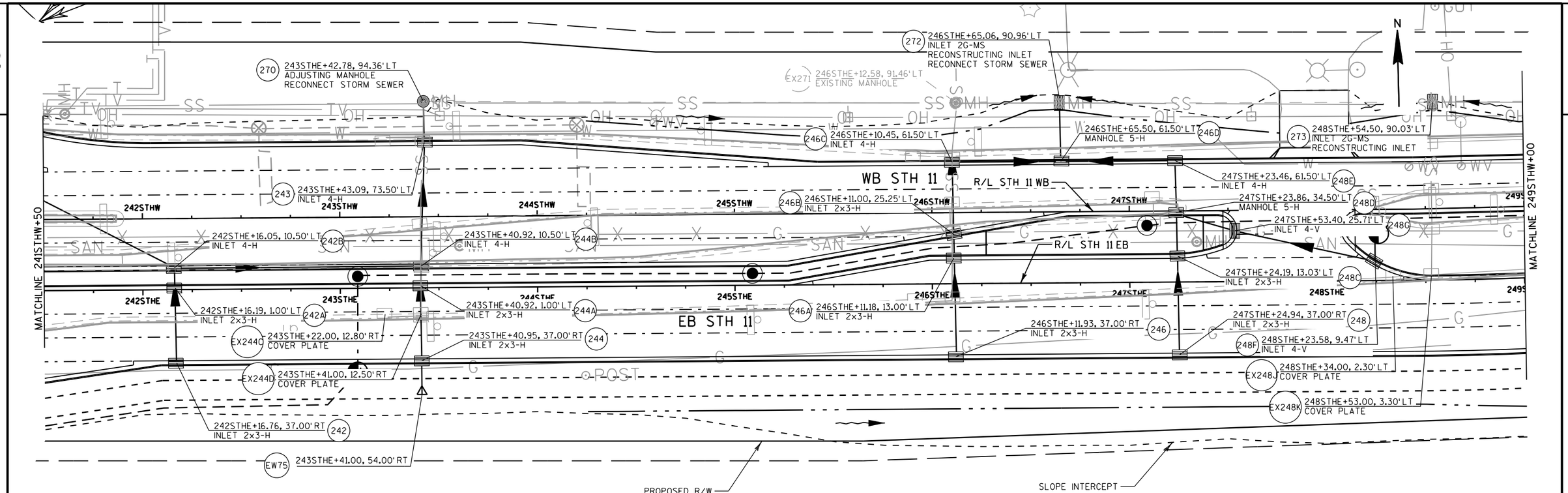


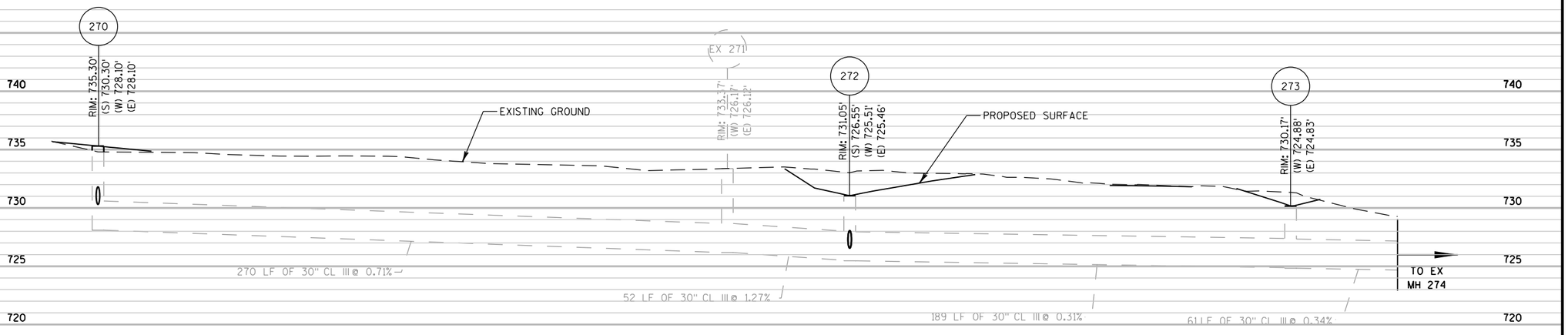


PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: STH 11 PROFILES	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PROFILES\11x17\20221013_STH11PRO.dgn PLOT DATE: 13 Jan 2023 10:03:28 PLOT BY : apatek PLOT NAME : PLOT SCALE : 50:1
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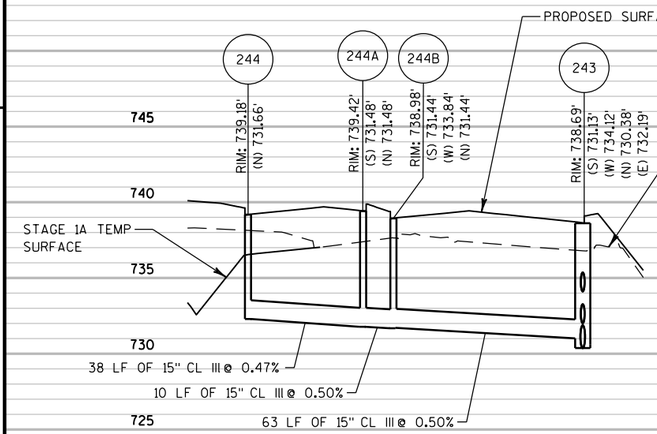
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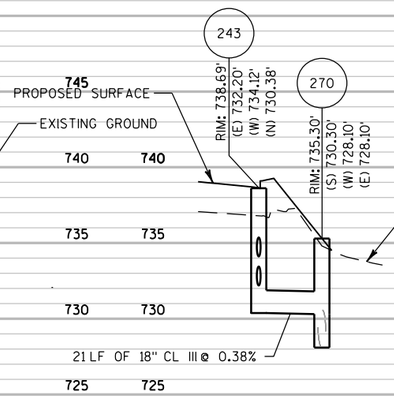


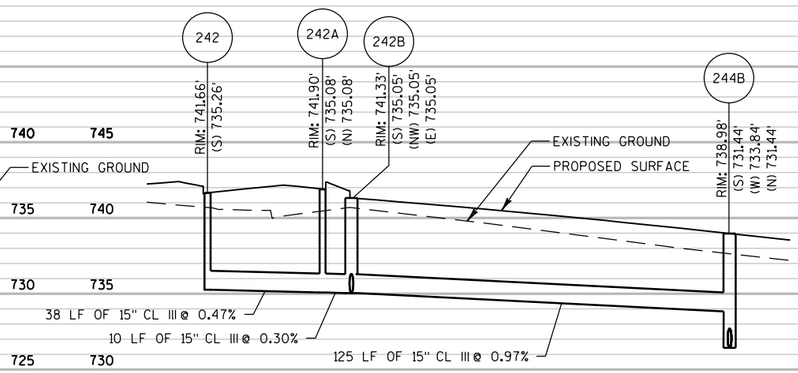


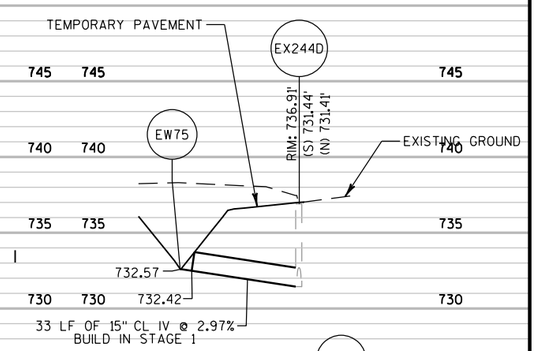
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: STH 11	SHEET	E

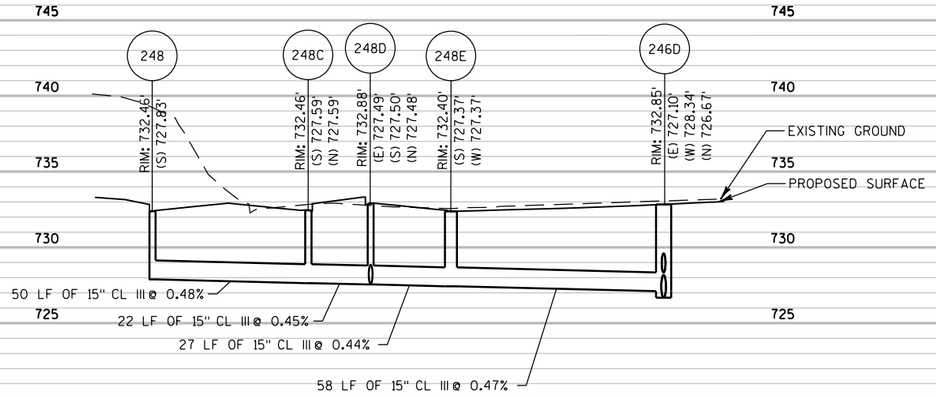
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNP_DATA\plan sheets\11x17\20251103_STH11PLN.dgn PLOT BY : apatek PLOT NAME : PLOT SCALE : 50:1

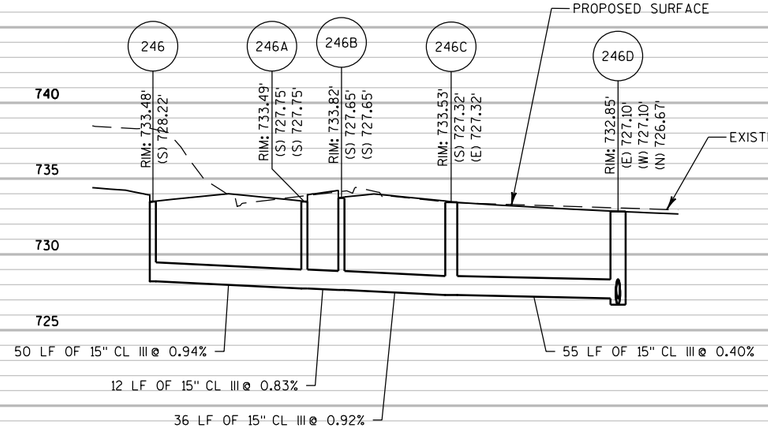


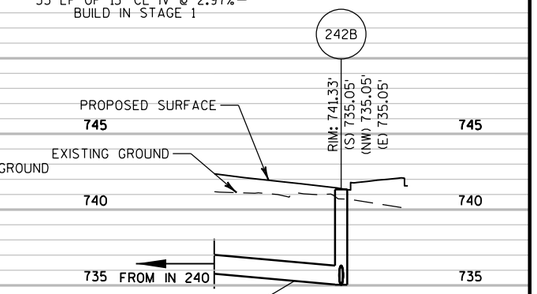


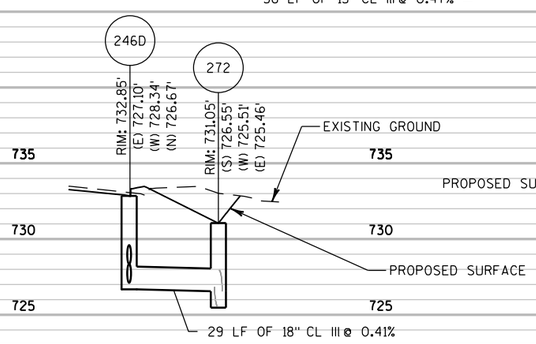


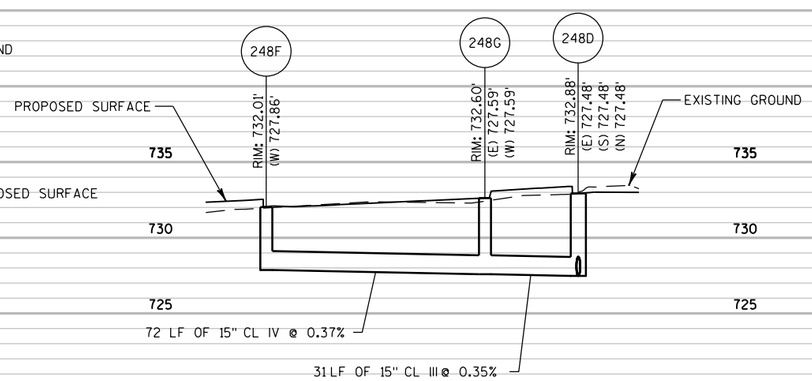




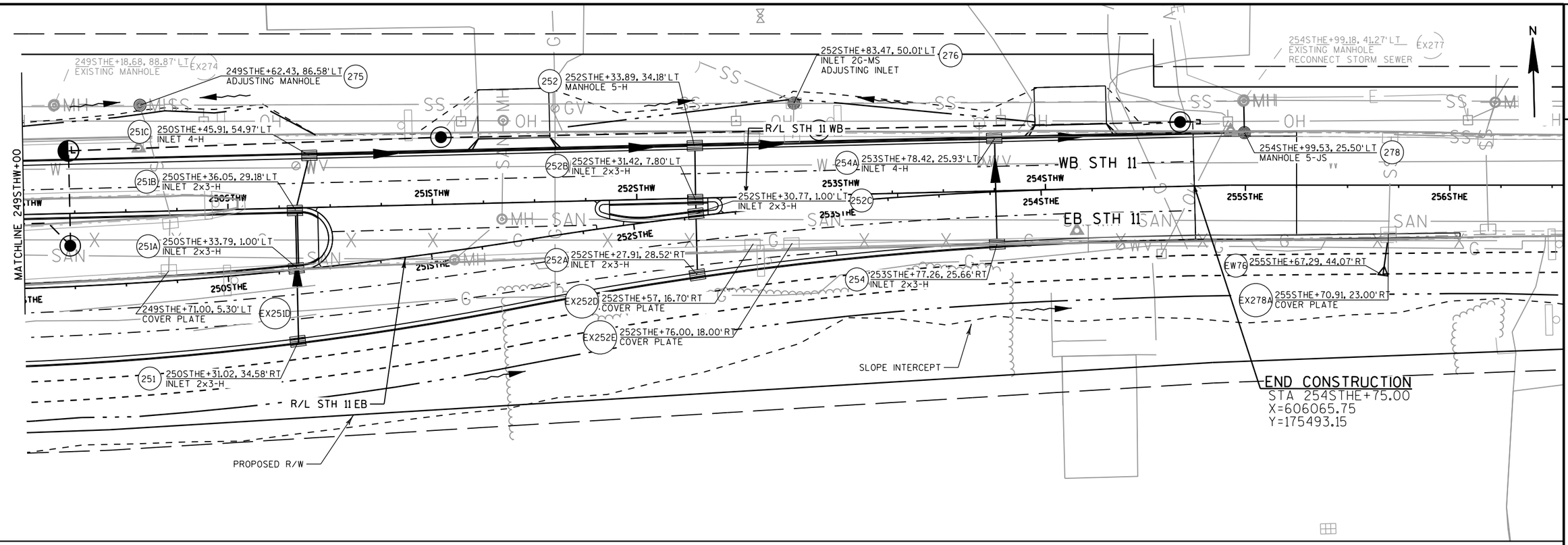


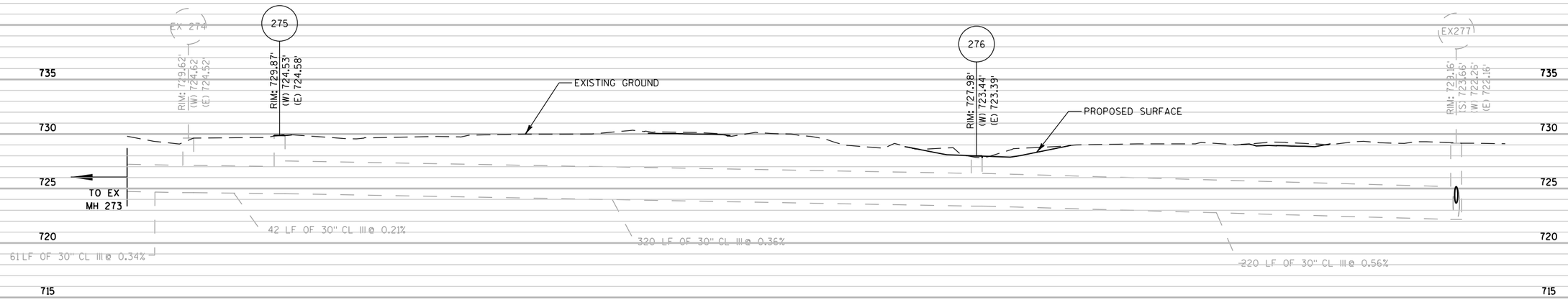






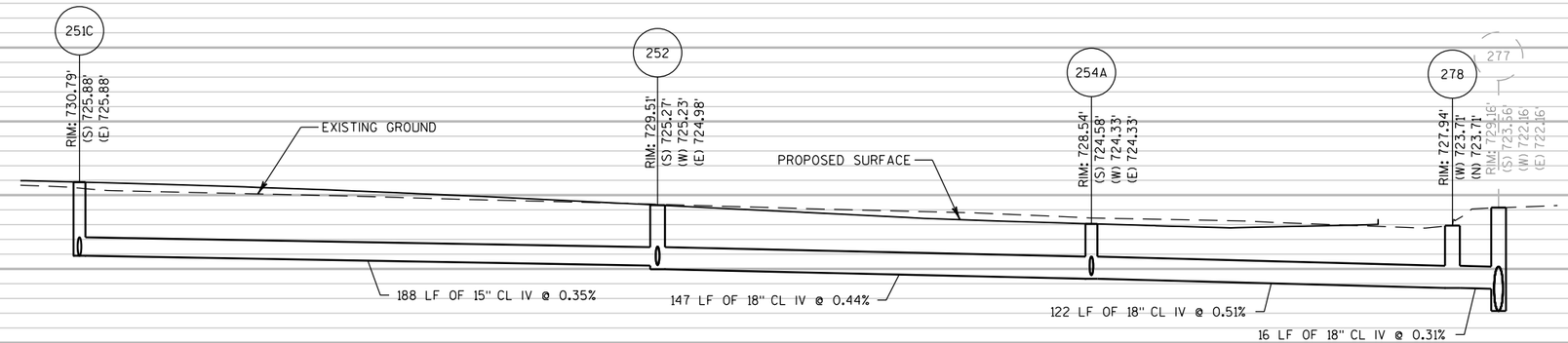
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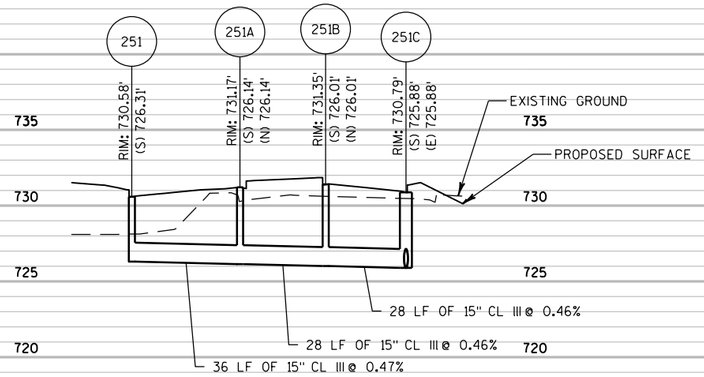


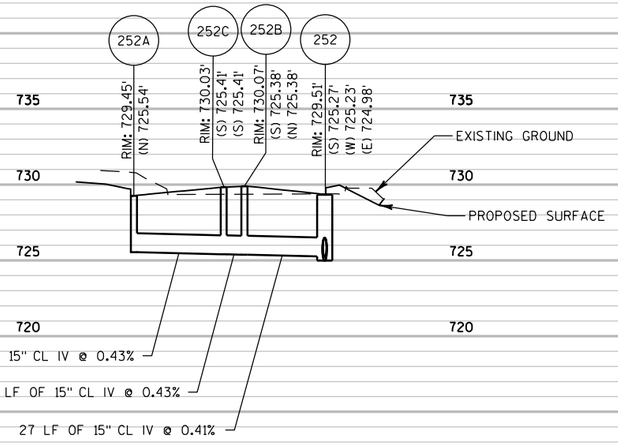


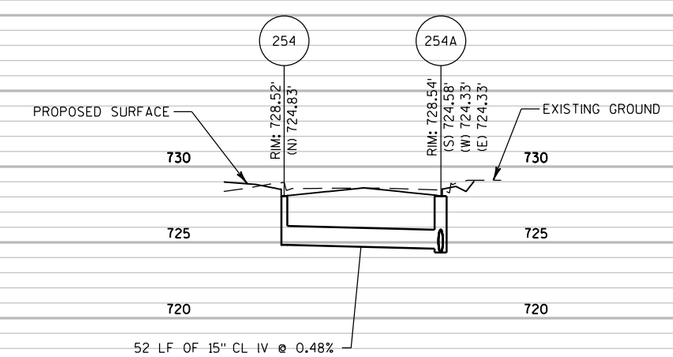
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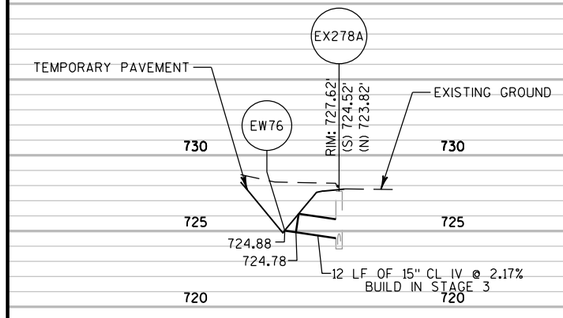
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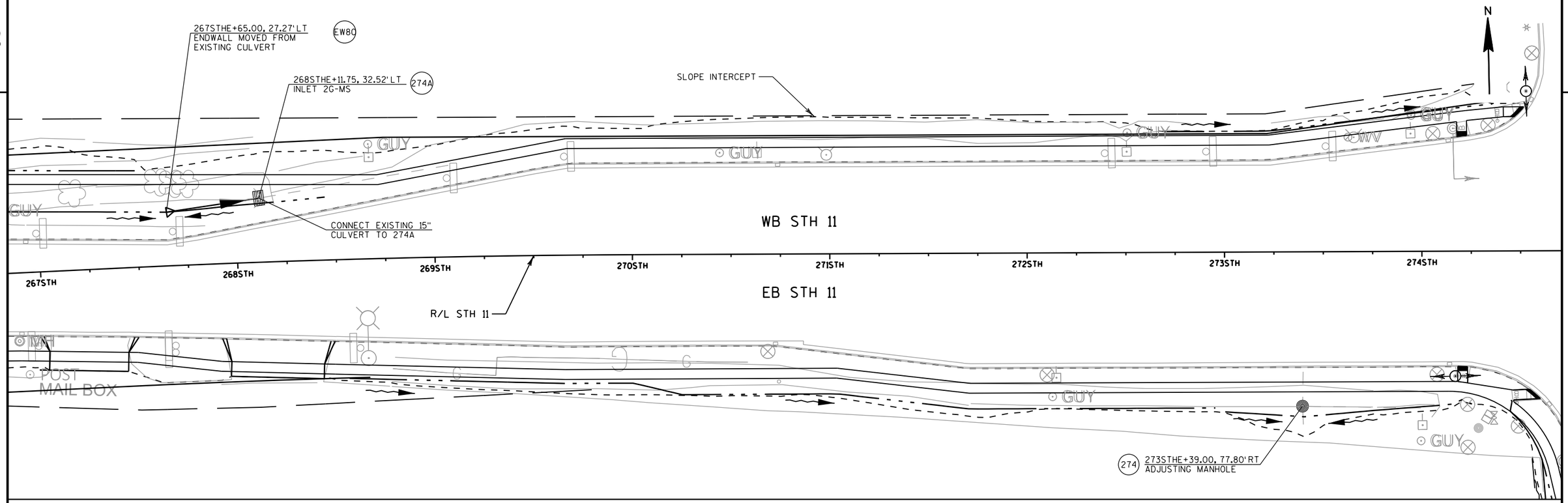


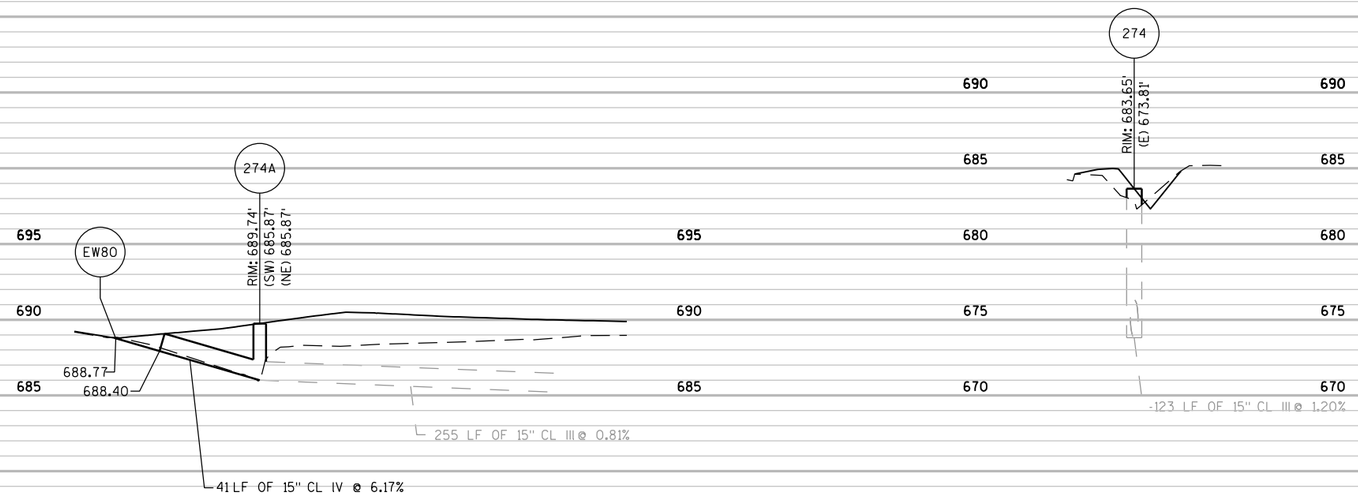




PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	STORM SEWER: STH 11 PROFILES	SHEET 188	E

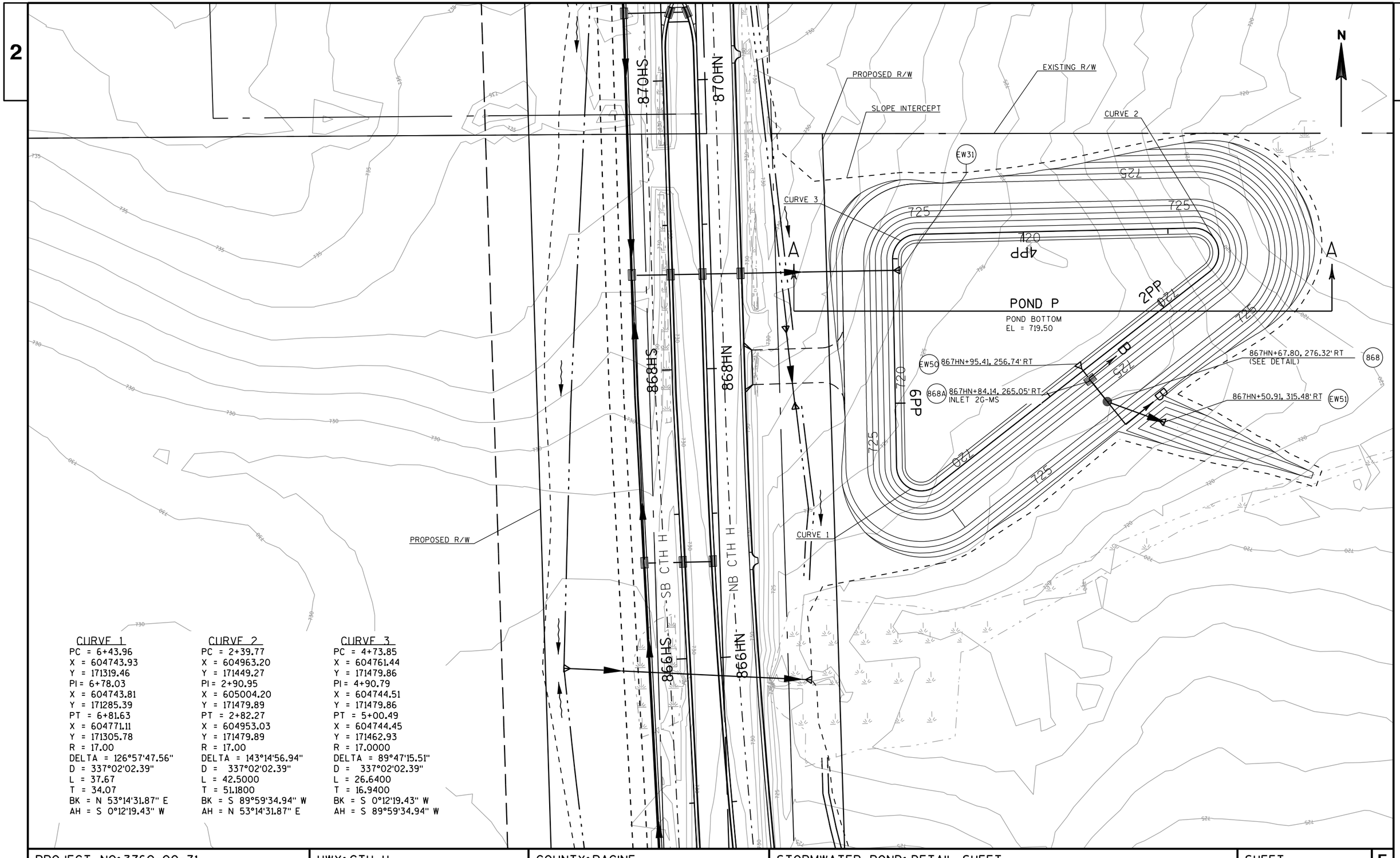
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PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	STORM SEWER: STH 11	SHEET 189	E

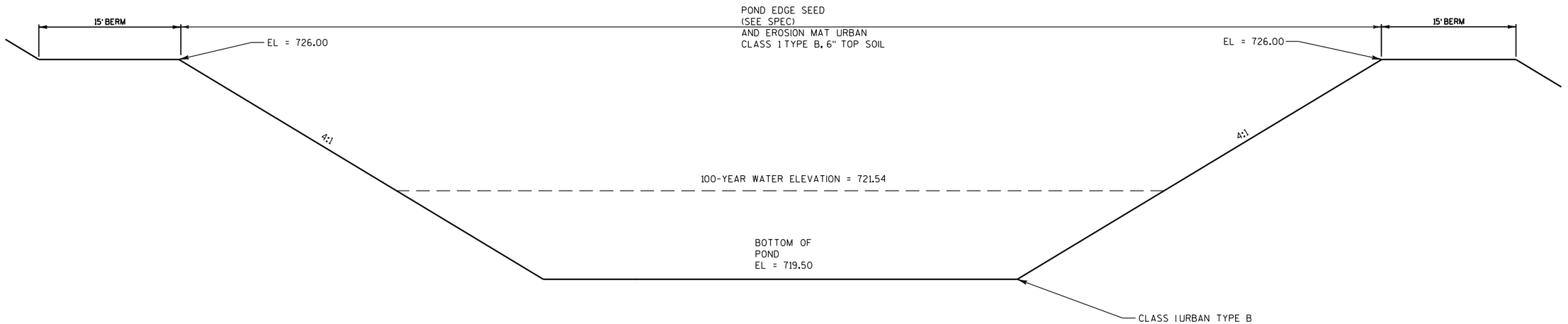
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CURVE 1	CURVE 2	CURVE 3
PC = 6+43.96	PC = 2+39.77	PC = 4+73.85
X = 604743.93	X = 604963.20	X = 604761.44
Y = 171319.46	Y = 171449.27	Y = 171479.86
PI = 6+78.03	PI = 2+90.95	PI = 4+90.79
X = 604743.81	X = 605004.20	X = 604744.51
Y = 171285.39	Y = 171479.89	Y = 171479.86
PT = 6+81.63	PT = 2+82.27	PT = 5+00.49
X = 604771.11	X = 604953.03	X = 604744.45
Y = 171305.78	Y = 171479.89	Y = 171462.93
R = 17.00	R = 17.00	R = 17.0000
DELTA = 126°57'47.56"	DELTA = 143°14'56.94"	DELTA = 89°47'15.51"
D = 337°02'02.39"	D = 337°02'02.39"	D = 337°02'02.39"
L = 37.67	L = 42.5000	L = 26.6400
T = 34.07	T = 51.1800	T = 16.9400
BK = N 53°14'31.87" E	BK = S 89°59'34.94" W	BK = S 0°12'19.43" W
AH = S 0°12'19.43" W	AH = N 53°14'31.87" E	AH = S 89°59'34.94" W

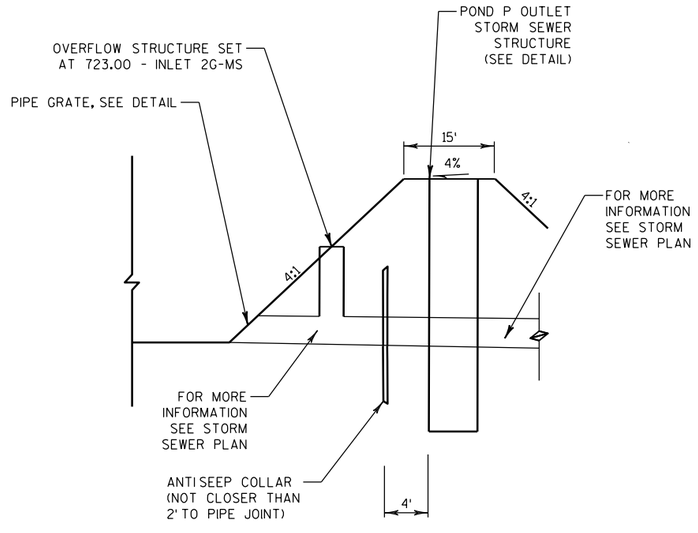
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	STORMWATER POND: DETAIL SHEET	SHEET 190	E

2



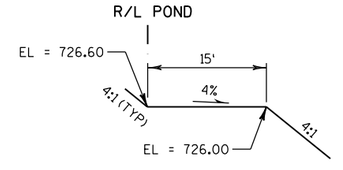
POND P SECTION A-A

N.T.S.



POND SECTION B-B

NOT TO SCALE



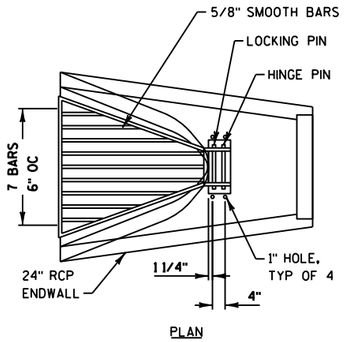
TYPICAL SECTION POND ACCESS ROAD

STA 12PP+00 TO STA 12PP+00

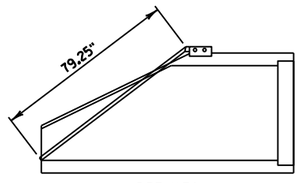
NOTES

1. REFER TO STANDARD DETAIL CATCH BASIN 6-FT DIAMETER FOR OTHER INFORMATION.
2. OUTLET STRUCTURE WILL BE PAID FOR AS POND P OUTLET STORM SEWER STRUCTURE.
3. PIPE GRATE WILL BE GALVANIZED OR SIMILARLY PROTECTED FROM CORROSION.
4. CONNECTOR DEVICE WILL BE REMOVABLE AND APPROVED BY THE ENGINEER

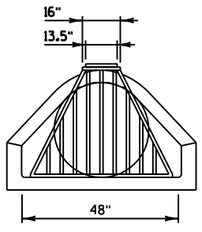
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	STORMWATER POND: DETAIL SHEET	SHEET 191	E



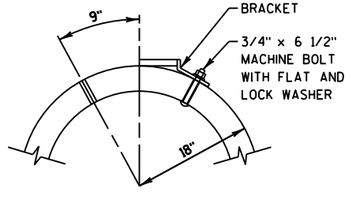
PLAN



SIDE VIEW



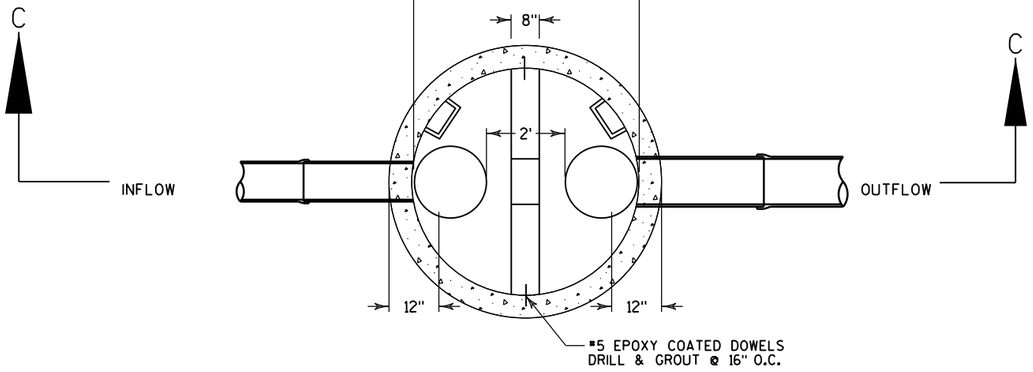
END VIEW

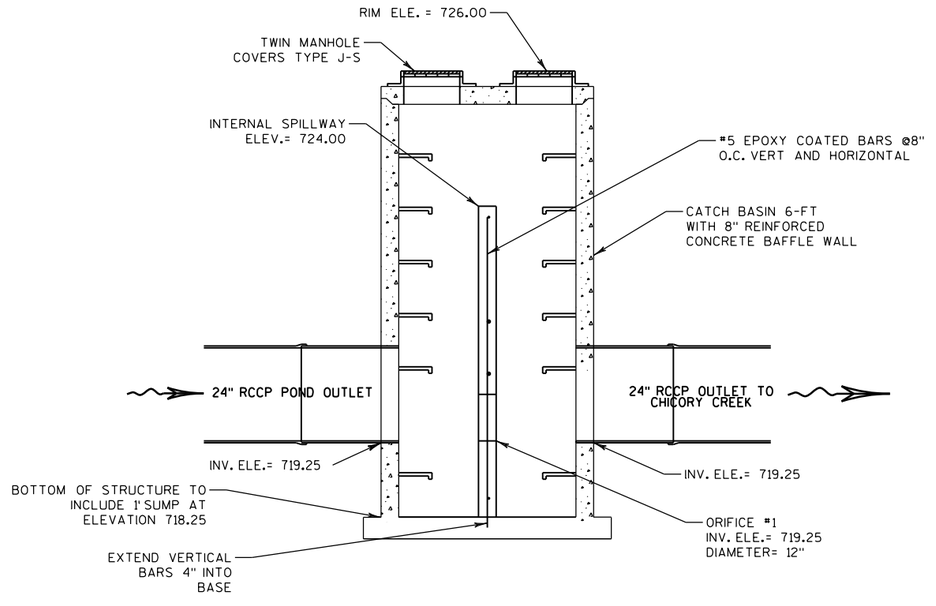


CROSS SECTION

PIPE GRATE DETAIL

N.T.S.





POND P OUTLET STORM SEWER STRUCTURE SECTION B-B

SPV.0060.007

N.T.S.

2

N

001R
REMOVE

003R
SPEED LIMIT 35
REMOVE

006R
REMOVE

007R
REMOVE

R/L CTH H SB

856HS 858HS 860HS 862HS 864HS 866HS 868HS 870

CTH H

856HN 858HN 860HN 862HN 864HN 866HN 868HN 870

MATCHLINE 870HN+00

004R
SPEED LIMIT 35
REMOVE

005R
REMOVE

002R
REMOVE

R/L CTH H NB

BEGIN PROJECT 3760-00-71
STA 857HN+68.00
X=604646.00
Y=170359.02

LEGEND

EXISTING SIGN MOUNTED ON POST

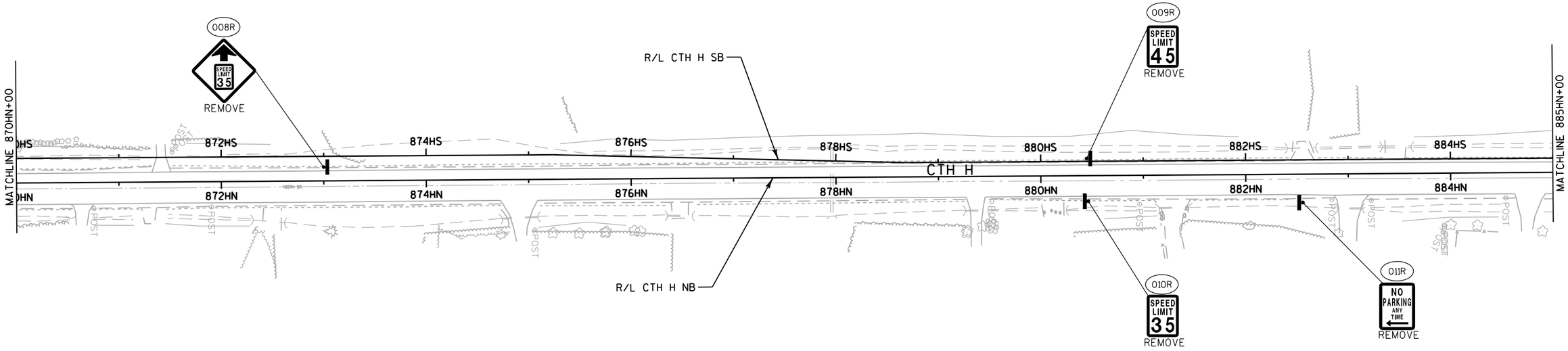
XXX DENOTES SIGN NUMBER

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	SIGNING REMOVAL	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_NOT_DATE\sht_20230320040252.dgn PLOT DATE : 3/20/2023 4:02:52 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

N



LEGEND

EXISTING SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	SIGNING REMOVAL	SHEET 194	E

2

N

BEGIN PROJECT 1320-23-71
STA 888HN+00.00
X=604596.60
Y=173390.12

END PROJECT 3760-00-71
STA 888HN+00.00
X=604596.60
Y=173390.12

MATCHLINE 885HN+00

MATCHLINE 900HN+00

886HS 888HS 890HS 892HS 894HS 896HS 898HS 900

CTH H

886HN 888HN 890HN 892HN 894HN 896HN 898HN 900

R/L CTH H SB

R/L CTH H NB

R/L UNFI

4UNFI

012R NO PARKING ANY TIME REMOVE

013R NO PARKING ANY TIME REMOVE

014R NO PARKING ANY TIME REMOVE

015R NO PARKING ANY TIME REMOVE

016R SPEED LIMIT 35 REMOVE

017R SPEED LIMIT 35 REMOVE

018R NO PARKING ANY TIME REMOVE

019R NO PARKING ANY TIME REMOVE

020R REMOVE

POST

LEGEND

EXISTING SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	SIGNING REMOVAL	SHEET 195	E

2

N

MATCHLINE 900HN+00

MATCHLINE 915HN+00

021R NO PARKING ANY TIME REMOVE

024R SPEED LIMIT 35 REMOVE

R/L CTH H SB

027M MOVED BY OTHERS

028R SOUTH COUNTY H

029R REMOVE

030R NO PARKING ANY TIME REMOVE

036R STOP REMOVE MOUNTED ON TRAFFIC SIGNAL

037R 11

038R REMOVE

044R JCT

045R 11 REMOVE

046R REMOVE

022R NO PARKING ANY TIME REMOVE

R/L CTH H NB

023R NO PARKING ANY TIME REMOVE

025R JCT

026R 11 REMOVE

031R COUNTY H

032R

033R STOP REMOVE MOUNTED ON TRAFFIC SIGNAL

034R 11

035R REMOVE

039R NORTH COUNTY H

040R SPEED LIMIT 35

041R REMOVE

042M MOVED BY OTHERS

043R NO PARKING ANY TIME REMOVE

047R RR REMOVE

CTH H

STH 11

236STHE

236STHW

238STHE

238STHW

240STHE

240STHW

242STHE

242STHW

902HS 904HS 906HS 908HS 910HS 912HS 914HS

902HN 904HN 906HN 908HN 910HN 912HN 914HN

LEGEND

EXISTING SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	SIGNING REMOVAL	SHEET	E

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2

N

050R
051R
RAIL ROAD CROSSING
YIELD
REMOVE

052R
R R
REMOVE

053R
NO PARKING ANY TIME
REMOVE

MATCHLINE 915HN+00

916HS

916HN

CTH H

918HN

920HN

922HN

924HN

926HN

928HN

930HN

R/L CTH H NB

END CONSTRUCTION
STA 922HN+00.00
X=604572.84
Y=176788.40

048R
049R
RAIL ROAD CROSSING
YIELD
REMOVE

054R
NO PARKING ANY TIME
REMOVE

LEGEND

EXISTING SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	SIGNING REMOVAL	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 5:51:12 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

2

N

BEGIN CONSTRUCTION
STA 234STHE+00.00

R/L STH 11 WB

R/L STH 11 EB

234STHE
236STHE
238STHE
240STHE
242STHE
244STHE
246STHE
247STHE+00

236STHW
238STHW
240STHW
242STHW
244STHW
246STHW

MATCHLINE 247STHE+00

914HS
914HN
912HS
912HN
910HS
910HN
908HS
908HN
906HS
906HN

055R NORTH COUNTY H 056R 057R — REMOVE
058R SOUTH COUNTY H 059R 060R — REMOVE
061R BEGIN LEFT TURN LANE — REMOVE
068R R069 SPEED LIMIT 45 — REMOVE
070R 071R WEST 11 — REMOVE
072R BEGIN LEFT TURN LANE — REMOVE
078R NORTH COUNTY H 079R 080R — REMOVE
081R STOP — REMOVE MOUNTED ON TRAFFIC SIGNAL
082R — REMOVE MOUNTED ON TRAFFIC SIGNAL
091R STOP — REMOVE
092R STOP — REMOVE MOUNTED ON TRAFFIC SIGNAL
093R — REMOVE
094R STOP — REMOVE
097R NORTH COUNTY H 098R 099R — REMOVE
100R BEGIN LEFT TURN LANE — REMOVE
108R 109R WRONG WAY — REMOVE
110R BEGIN LEFT TURN LANE — REMOVE
114R NORTH COUNTY H 115R 116R — REMOVE

062R NORTH COUNTY H 063R 064R — REMOVE
065R SOUTH COUNTY H 066R 067R — REMOVE
073R 074R WRONG WAY — REMOVE
075R SOUTH COUNTY H 076R 077R — REMOVE
083R STOP — REMOVE
084R DO NOT ENTER — REMOVE
085R — REMOVE
086R STOP — REMOVE MOUNTED ON TRAFFIC SIGNAL
087R DO NOT ENTER — REMOVE MOUNTED ON TRAFFIC SIGNAL
088R STOP — REMOVE
089R 090R DO NOT ENTER — REMOVE MOUNTED ON TRAFFIC SIGNAL
096R — REMOVE MOUNTED ON TRAFFIC SIGNAL
095R STOP — REMOVE MOUNTED ON TRAFFIC SIGNAL
101R SOUTH COUNTY H 102R 103R — REMOVE
104R 105R WEST 11 — REMOVE
106R 107R SPEED LIMIT 45 — REMOVE
111R SOUTH COUNTY H 112R 113R — REMOVE
117M — MOVED BY OTHERS

LEGEND
EXISTING SIGN MOUNTED ON POST
XXX DENOTES SIGN NUMBER

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	SIGNING REMOVAL	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/1/2023 2:06:17 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

2

N

MATCHLINE 247STHE+00

248STHW
250STHW
252STHW
254STHW
254STHE
252STHE
250STHE
248STHE
256STHE
258STHE
260STHE
262STH

121R
122R
REMOVE

119R
120R
REMOVE

126R
REMOVE

128R
129R
JCT
COUNTY
H
REMOVE

130R
SPEED LIMIT
45
REMOVE

R/L STH 11 WB

132R
REMOVE

123R
124R
SPEED LIMIT
30
REMOVE

118R
REMOVE

125R
WRONG WAY
REMOVE

127R
DO NOT
ENTER
REMOVE

131R
SPEED LIMIT
30
REMOVE

R/L STH 11 EB

END CONSTRUCTION
STA 260STHE+92.77
X=606683.15
Y=175458.73

LEGEND

EXISTING SIGN MOUNTED ON POST

(XXX) DENOTES SIGN NUMBER

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	SIGNING REMOVAL	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\8.1x11 Plan Sheets\3760-00-71_e1.dgn PLOT DATE: 8/1/2023 2:07:21 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

N

001
WRONG WAY
R5-1A
36" X 24"

002
BEGIN LEFT TURN LANE
R3-20LL
24" X 36"

004
BEGIN LEFT TURN LANE
R3-20L
24" X 36"

006
007
W3-3
36" X 36"

R/L CTH H SB

856HS 858HS 860HS 862HS 864HS 866HS 868HS 870

CTH H

856HN 858HN 860HN 862HN 864HN 866HN 868HN 870

MATCHLINE 870HN+00

005
SPEED LIMIT 35
R2-1
24" X 30"

R/L CTH H NB

003
NORTH COUNTY H
J4-1
24" X 36"

BEGIN PROJECT 3760-00-71
STA 857HN+68.00
X=604646.00
Y=170359.02

LEGEND

PROPOSED SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

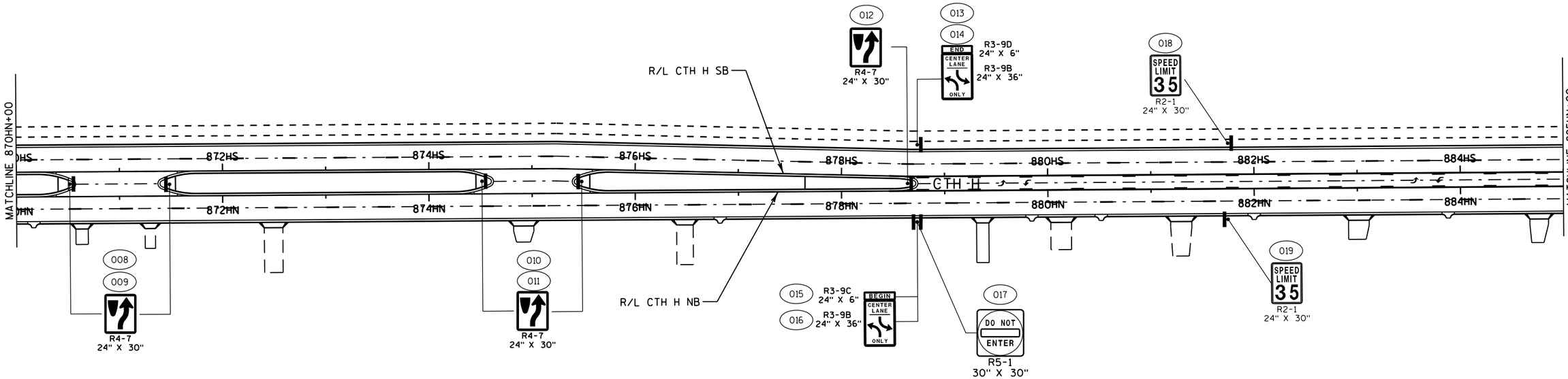
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PERMANENT SIGNING	SHEET 200	E

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WISDOT/CADDS SHEET 42

2

N



LEGEND

PROPOSED SIGN MOUNTED ON POST

(XXX) DENOTES SIGN NUMBER

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PERMANENT SIGNING	SHEET 201	E

2

N

BEGIN PROJECT 1320-23-71
STA 888HN+00.00
X=604596.60
Y=173390.12

R/L UNFI

R/L CTH H SB

2UNFI

R3-9C
24" X 6"
020

R3-9B
24" X 36"
021

BEGIN
CENTER LANE
ONLY

MATCHLINE 885HN+00

886HS 888HS 890HS 892HS 894HS 896HS 898HS 900

4UNFI

CTH H

886HN 888HN 890HN 892HN 894HN 896HN 898HN 900

MATCHLINE 900HN+00

R/L CTH H NB

END PROJECT 3760-00-71
STA 888HN+00.00
X=604596.60
Y=173390.12

022
023

R3-9D
24" X 6"

R3-9B
24" X 36"

END
CENTER LANE
ONLY

024

W3-3
36" X 36"

LEGEND

PROPOSED SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	PERMANENT SIGNING	SHEET 202	E

2

N

R/L STH 11 WB

R/L STH 11 EB

R/L CTH H SB

R/L CTH H NB

MATCHLINE 900HN+00

MATCHLINE 915HN+00

025 R5-1 DO NOT ENTER 30" X 30"

026 R4-7 24" X 30"

027 028 J1-1 JCT 11 24" X 39"

029 R3-20L BEGIN LEFT TURN LANE 24" X 36"

030 R2-1 SPEED LIMIT 35 24" X 30"

031 R3-20L BEGIN LEFT TURN LANE 24" X 36"

032 J4-1 SOUTH COUNTY H 24" X 36"

033 J2-1 WEST 11 24" X 57"

034 J2-1 EAST 11 24" X 57"

035 R1-1-F STOP 36" X 36" MOUNTED ON SIGNAL POLE

036 R4-7 24" X 30" MOUNTED ON SIGNAL POLE

037 W12-1-D 24" X 24" 2-FOOT MOUNTING HEIGHT

038 R1-2 YIELD 36" X 31"

039 R6-1L ONE WAY 36" X 12"

040 R6-1R ONE WAY 36" X 12"

041 R1-1-F STOP 36" X 36"

042 R6-3 DIVIDED HIGHWAY 30" X 24"

039 040 041 042 MOUNTED ON SIGNAL POLE

043 R5-1 DO NOT ENTER 30" X 30" MOUNTED ON SIGNAL POLE

044 R6-1L ONE WAY 36" X 12"

045 R6-1R ONE WAY 36" X 12"

046 R1-1-F STOP 36" X 36"

047 R6-3 DIVIDED HIGHWAY 30" X 24"

044 045 046 047 MOUNTED ON SIGNAL POLE

048 R5-1 DO NOT ENTER 30" X 30"

049 R1-2 YIELD 36" X 31"

050 R4-7 24" X 30" MOUNTED ON SIGNAL POLE

051 R1-1-F STOP 36" X 36" MOUNTED ON SIGNAL POLE

052 W12-1-D 24" X 24" 2-FOOT MOUNTING HEIGHT

053 J2-1 WEST 11 24" X 57"

054 J2-1 EAST 11 24" X 57"

055 R3-20L BEGIN LEFT TURN LANE 24" X 36"

056 W6-2 36" X 36"

057 J4-1 NORTH COUNTY H 24" X 36"

058 R3-20L BEGIN LEFT TURN LANE 24" X 36"

059 R4-7 24" X 30"

060 W10-1 36" X 36"

061 R5-1 DO NOT ENTER 30" X 30"

062 J1-1 JCT 11 24" X 39"

LEGEND

PROPOSED SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING	SHEET 203	E

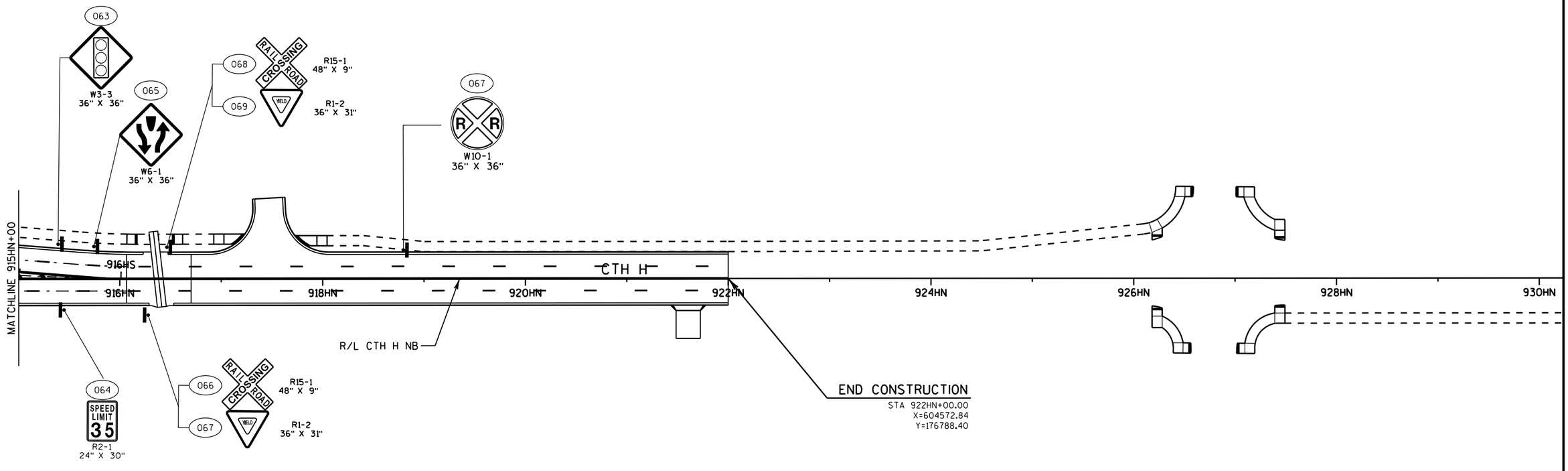
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PLOT DATE : 9/28/2023 2:42:57 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

N



LEGEND

PROPOSED SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING	SHEET 204	E

2

2

N

BEGIN CONSTRUCTION
STA 234STHE+00.00

MATCHLINE 247STHE+00

073 BEGIN LEFT TURN LANE
R3-20L
24" X 36"

076 077 WEST 11
J4-1
24" X 36"

080 NORTH COUNTY H
J2-1
24" X 57"

082
R4-7
24" X 30"
MOUNTED ON SIGNAL POLE

083 086 STOP
R1-1-F
36" X 36"
MOUNTED ON SIGNAL POLE

087 DO NOT ENTER
R5-1
30" X 30"
MOUNTED ON SIGNAL POLE

092 DO NOT ENTER
R5-1
30" X 30"
MOUNTED ON SIGNAL POLE

093 ONE WAY
R6-1L
36" X 12"

094 ONE WAY
R6-1R
36" X 12"

095 STOP
R1-1-F
36" X 36"

096 DIVIDED HIGHWAY
R6-3
30" X 24"

MOUNTED ON SIGNAL POLE

097 YIELD
R1-2
36" X 31"

101
W12-1-D
24" X 24"
2-FOOT MOUNTING HEIGHT

102 NORTH COUNTY H
J2-1
24" X 57"

103 WRONG WAY
R5-1A
36" X 24"

R/L STH 11 WB

110 BEGIN LEFT TURN LANE
R3-20L
24" X 36"

078 BEGIN LEFT TURN LANE
R3-20LL
24" X 36"

079 WRONG WAY
R5-1A
36" X 24"

081 SOUTH COUNTY H
J2-1
24" X 57"

084
W12-1-D
24" X 24"
2-FOOT MOUNTING HEIGHT

085 YIELD
R1-2
36" X 31"

088 ONE WAY
R6-1L
36" X 12"

089 ONE WAY
R6-1R
36" X 12"

090 STOP
R1-1-F
36" X 36"

091 DIVIDED HIGHWAY
R6-3
30" X 24"

MOUNTED ON SIGNAL POLE

098
R4-7
24" X 30"
MOUNTED ON SIGNAL POLE

100 STOP
R1-1-F
36" X 36"
MOUNTED ON SIGNAL POLE

099 LEFT TURN YIELD ON FLASHING YELLOW ARROW
R10-50
30" X 36"
MOUNTED ON SIGNAL POLE

104 SOUTH COUNTY H
J2-1
24" X 57"

105 EAST 11
J4-1
24" X 36"

106 108 SPEED LIMIT 35
R2-1
24" X 30"

107 WRONG WAY
R5-1A
36" X 24"

109 RIGHT LANE ENDS
W9-1R
30" X 30"

R/L STH 11 EB

R/L CTH H SB

R/L CTH H NB

LEGEND

PROPOSED SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

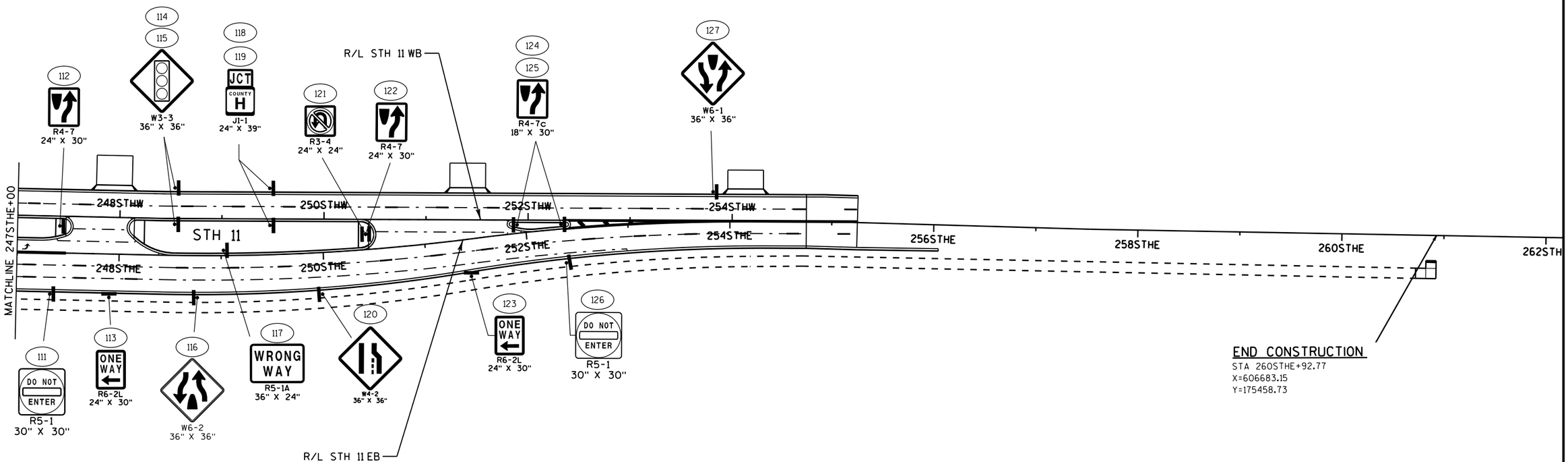
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING	SHEET 205 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/1/2023 2:43:39 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

N



END CONSTRUCTION
STA 260STHE+92.77
X=606683.15
Y=175458.73

LEGEND

PROPOSED SIGN MOUNTED ON POST

XXX DENOTES SIGN NUMBER

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PERMANENT SIGNING	SHEET 206	E

2

GENERAL NOTES

DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE CONTRACTOR IS RESPONSIBLE FOR NOT BACKFEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM OLD SOURCE.

LOCATIONS OF THE PVC CONDUITS ARE IDENTIFIED IN THE PLANS WHERE THEY ARE REQUIRED. APPROPRIATE ADJUSTMENT ON CONDUIT LOCATIONS MAY BE MADE IF THE FIELD CONDITIONS ARE SUCH THAT THE CONDUIT CANNOT BE INSTALLED AT THE SPECIFIED LOCATIONS. FIELD MARK EACH CONDUIT LOCATION IN RED.

ALL CONDUITS SHALL BE CAPPED OR PLUGGED WITH ENGINEER APPROVED FITTINGS IMMEDIATELY AFTER INSTALLATION. THE TRENCH SHALL NOT BE BACK FILLED PRIOR TO INSPECTION OF THE CONDUIT.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR IMMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT. ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS.

PRIOR TO CONDUIT ACCEPTANCE, ALL CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND BE CAPPED WITH THE APPROPRIATE CAST PLASTIC CAP WHICH FITS SNUGGLY ON THE CONDUIT, BUT EASILY REMOVED IN THE FUTURE. DUCT TAPE OR ANY OTHER CAPPING METHOD IS NOT ACCEPTABLE.

CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX-TO-PULL BOX OR JUNCTION BOX OR BASE-TO-BASE, ETC.) UNLESS OTHERWISE NOTED ON PLANS.

PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUITS.

CONTRACTOR SHALL SUPPLY AS-BUILT DRAWING FOR ALL THE WORK BEING DONE.

INSTALLATION OF LATERAL UNDERGROUND CONDUIT UNDER PAVEMENT SHALL BE INSTALLED MINIMUM 30 INCHES BELOW PROPOSED GRADE AND A MINIMUM OF 3 INCHES BELOW ALL PAVEMENT BASE MATERIALS. CONDUIT LATERALS SHALL BE TRENCHED UNDER PAVEMENT BEFORE PAVEMENT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ROADWAY CONSTRUCTION FOR CONDUIT LATERALS INSTALLATION.

PITCH ALL CONDUITS TOWARD PULL BOXES. INSTALL A 2" DRAIN DUCT TO STORM SEWER OR DRAIN SUMP AS REQUIRED FOR DRAINAGE. THE 2" DRAIN DUCT OR SUMP IS INCIDENTAL TO THE PULL BOX BID ITEM AND IS NOT SHOWN.

THE LOCATION OF EXISTING AND PROPOSED UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE, IN ADDITION, THERE MAY BE OTHER UTILITIES WITHIN THE PROJECT AREA WHICH ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

HAND DIGGING MAY BE REQUIRED FOR LOCATIONS ADJACENT TO EXISTING GAS AND POWER LINES. HAND EXCAVATION SHOULD BE ANTICIPATED & WILL BE CONSIDERED INCIDENTAL TO THE CONCRETE BASES BID ITEM. COORDINATE ALL WORK NEAR GAS LINE WITH WE ENERGIES.

EXISTING CONDUIT AND CID NO LONGER BEING USED IS ABANDONED IN PLACE. THE CONTRACTOR MAY REMOVE ABANDONED WIRING AT THE CONTRACTOR'S EXPENSE. ABANDONED PULL BOX REMOVAL IS INCIDENTAL TO THE ROAD CONSTRUCTION.

IF CID CONTAINS PHASE CONDUCTOR(S) THAT WILL NOT BE USED FOR SUBSEQUENT POLES, I.E. AT THE END OF A CIRCUIT, DO NOT ENERGIZE THE RESPECTIVE CONDUCTOR(S) PAST THE LAST POLE THE PHASE WAS UTILIZED. REMOVE UNUSED CONDUCTOR(S) EXPOSED BEYOND THE CID RACEWAY IN ALL SUBSEQUENT POLES.

SEAL THE ENDS OF ALL CID RACEWAY WITH A UL RECOGNIZED FOAM CONDUIT SEALANT. PROVIDE A 1/2" NYLON ROPE EXTENDING BEYOND THE PLUG TO ASSIST IN REMOVING THE PLUG IN THE FUTURE.

SEE DETAIL "CONDUIT DETAILS AT STRUCTURE PARAPET TO ROADWAY BARRIER INTERFACE" WHEN CONDUIT EXITS TO GRADE FROM A BRIDGE PARAPET OR RETAINING WALL. RIGID METALLIC CONDUIT IN THE CONCRETE BARRIER IS INCIDENTAL TO THE RIGID NONMETALLIC CONDUIT.

PROVIDE MINIMUM CABLE SLACK AS NOTED BELOW:

PULL BOXES:	10-FT	LIGHTING CONTROL CENTERS:	10-FT
EMBEDDED JUNCTION BOXES:	3-FT	POLES:	5-FT IN AND 5-FT OUT

SIGN STRUCTURES WHICH HAVE A BASE THAT EXTENDS THE COMPLETE WIDTH OF THE MEDIAN TYPICALLY HAVE A 4" SLEEVE FOR LIGHTING.

WIRE AND CONDUIT IS LISTED IN THE MISCELLANEOUS QUANTITIES BASED UPON THE EARLIEST STAGE SHOWN. CONTRACTOR MAY INSTALL LATER WHEN LOAD NEEDS TO BE ENERGIZED.

LEGEND - FINAL LIGHTING

·—·—·	CID (CABLE IN DUCT)	▭	ELECTRIC METER SOCKET
– – – –	CABLE IN CONDUIT - 2" UNLESS NOTED OTHERWISE	SM	DENOTES STRUCTURE MOUNTED
⊠	LIGHTING CONTROL CABINET	C	CONDUIT
◐	PULL BOX 24" x 36"	⌐—	STUBOUT
⊗	PULL BOX 24" x 42"	◉	CONCRETE POLE BASE, TYPE 5, WITH TRANSFORMER BASE

NOTES

NO POLES, ARMS, LUMINAIRES, LIGHTING CONTROL CABINETS, NOR WIRING ARE PROVIDED UNDER THIS CONTRACT.

CONCRETE BASES FOR FUTURE POLES AND LIGHTING CONTROL CABINETS WITH ASSOCIATED CONDUITS (PULL ROPE ONLY) ARE PROVIDED HEREIN.

2

2

N

152BRW

154BRW

156BRW

158BRW

160

SEE CONTRACT
3760-00-70
FOR LIGHTING

CONNECT TO EXISTING CONDUIT

STA. 859HS+0.41, 42.02' LT
PULLBOX PB-BH9

STA. 862HS+85.60, 17.08' RT
BASE BH-23

STA. 864HS+89.72, 14.19' RT
BASE BH-24

STA. 867HS+8.59, 11.36' RT
BASE BH-25

STA. 869HS+29.21, 11.00' RT
BASE BH-26

858HS

860HS

862HS

864HS

866HS

868HS

870HS

872HS

N 0°29'34" W

N 1°43'00" W

N 0°29'34" W

3"

3"

PI
155+50.65

STA. 859HS+2.15, 28.91' RT
BASE BH-21

STA. 861HS+2.07, 17.86' RT
BASE BH-22

STA. 870HS+50.23, 11.96' RT
PULLBOX PB-BH9

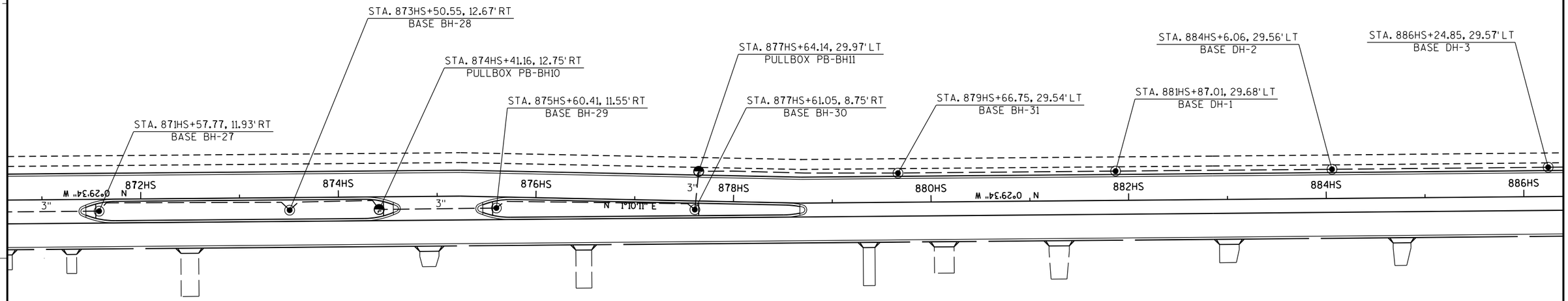
STA. 871HS+57.77, 11.93' RT
BASE BH-27

NOTES
1. ALL CONDUITS ARE EMPTY EXCEPT FOR PULL ROPE.
2. ALL CONDUITS ARE 2" SCHEDULE 40 NON METALLIC
   UNLESS SIZE IS SHOWN OTHERWISE

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	LIGHTING PLAN	SHEET 208	E

2

N



NOTES
1. ALL CONDUITS ARE EMPTY EXCEPT FOR PULL ROPE.
2. ALL CONDUITS ARE 2" SCHEDULE 40 NON METALLIC UNLESS SIZE IS SHOWN OTHERWISE

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	LIGHTING PLAN	SHEET 209	E

2

N

STA. 886HS+24.85, 29.57' LT
BASE DH-3

STA. 888HS+43.05, 29.44' LT
BASE DH-4

STA. 890HS+62.63, 29.74' LT
BASE DH-5

STA. 892HS+76.72, 26.69' LT
BASE DH-6

STA. 894HS+92.42, 29.77' LT
BASE DH-7

STA. 895HS+93.33, 41.64' LT
PULLBOX PB-DH1

STA. 897HS+15.82, 41.53' LT
BASE DH-8

STA. 898HS+34.83, 63.78' RT
BASE DH-9

STA. 899HS+31.27, 42.12' LT
BASE DH-10

3"

886HS 888HS 890HS 892HS 894HS 896HS 898HS 900HS

N 0°31'43" W

N 0°01'26" E

NOTES
1. ALL CONDUITS ARE EMPTY EXCEPT FOR PULL ROPE.
2. ALL CONDUITS ARE 2" SCHEDULE 40 NON METALLIC UNLESS SIZE IS SHOWN OTHERWISE

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	LIGHTING PLAN	SHEET 210	E

2

SEE CONTRACT
1320-23-73
FOR LIGHTING

N

CONNECT TO EXISTING CONDUIT

STA. 235STHW+11.10, 11.58' RT
CAP BOTH CONDUIT ENDS (NOTE 3)

STA. 909HS+20.12, 152.26' LT
PULLBOX PB-DH7

STA. 908HS+3.97, 164.96' LT
PULLBOX PB-DH14

STA. 899HS+31.27, 42.12' LT
BASE DH-10

STA. 900HS+48.92, 41.57' LT
PULLBOX PB-DH2

STA. 901HS+77.24, 42.15' LT
PULLBOX PB-DH3

STA. 901HS+78.59, 22.89' RT
BASE DH-12

STA. 901HS+90.59, 22.89' RT
PULLBOX PB-DH20

STA. 907HS+93.33, 118.28' LT
LCC-DH (CONCRETE BASE ONLY)

STA. 908HS+3.30, 74.42' LT
PULLBOX PB-DH15

STA. 906HS+71.28, 49.25' LT
PULLBOX PB-DH6

STA. 906HS+70.19, 5.62' RT
PULLBOX PB-DH5

236STHW

238STHW

240STHW

242STHW

STA. 237STHW+21.21, 4.00' RT
CAP BOTH CONDUIT ENDS (NOTE 3)

STA. 909HS+13.02, 163.51' LT
PULLBOX PB-DH13

STA. 913HS+51.41, 30.72' LT
BASE DH16

STA. 912HS+18.03, 42.28' LT
PULLBOX PB-DH10

STA. 909HS+13.12, 150.33' LT
PULLBOX PB-DH8

STA. 909HS+79.38, 94.57' LT
PULLBOX PB-DH9

900HS | 902HS | 904HS | 906HS | 908HS | 910HS | 912HS | 914HS

N 0°01'26" E

N 0°31'43" W

N 0°24'39" W

3"

STA. 900HS+44.24, 78.32' RT
BASE DH-11

STA. 901HS+77.28, 67.12' RT
PULLBOX PB-DH4

STA. 903HS+45.52, 21.18' RT
BASE DH-13

STA. 905HS+45.52, 6.00' RT
BASE DH-14

STA. 907HS+90.30, 106.85' RT
PULLBOX PB-DH16

STA. 912HS+17.25, 30.00' RT
BASE DH-15

STA. 913HS+50.73, 8.94' RT
PULLBOX PB-DH11

STA. 913HS+77.37, 54.17' RT
BASE DH-17

STA. 243STHW+8.30, 79.91' RT
PULLBOX PB-DH17

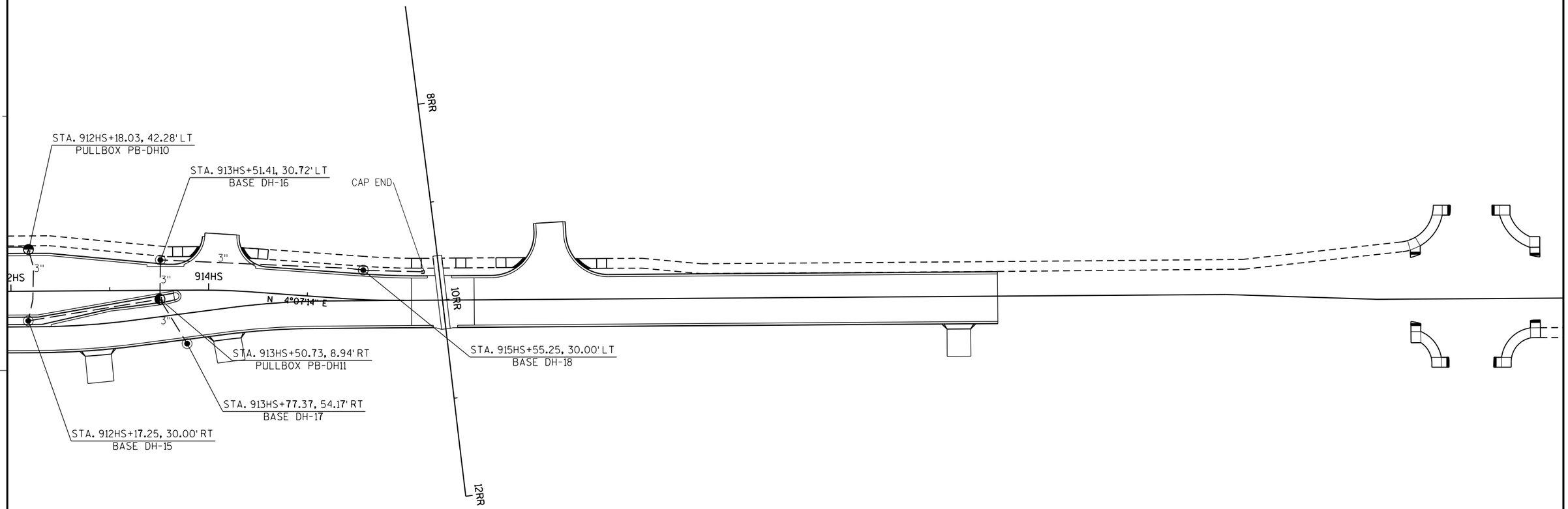
STA. 243STHW+8.86, 30.00' RT
BASE DH-19

NOTES
1. ALL CONDUITS ARE EMPTY EXCEPT FOR PULL ROPE.
2. ALL CONDUITS ARE 2" SCHEDULE 40 NON METALLIC UNLESS SIZE IS SHOWN OTHERWISE
3. CONDUIT AND PULLBOXES ON STH 11 WEST OF CTH H ARE FOR FUTURE LIGHTING. CONCRETE POLE BASES IN THAT AREA ARE NOT IN THIS CONTRACT.

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	LIGHTING PLAN	SHEET 211	E

2

N



NOTES
1. ALL CONDUITS ARE EMPTY EXCEPT FOR PULL ROPE.
2. ALL CONDUITS ARE 2" SCHEDULE 40 NON METALLIC UNLESS SIZE IS SHOWN OTHERWISE

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	LIGHTING PLAN	SHEET 212	E

2

2

N

STA. 243STHW+8.86, 30.00' RT
BASE DH-19

STA. 248STHW+26.0, 12.25' RT
PULLBOX PB-DH18

STA. 249STHW+22.42, 11.99' RT
BASE DH-22

242STHW

244STHW

246STHW

248STHW

250STHW

252STHW

254STHW

256STHW

3"

3"

3"

3"

CAP END

STA. 243STHW+8.30, 79.91' RT
PULLBOX PB-DH17

STA. 245STHW+8.86, 30.00' RT
BASE DH-20

STA. 247STHW+8.92, 7.22' RT
BASE DH-21

STA. 249STHW+36.07, 41.41' RT
PULLBOX PB-DH19

STA. 251STHW+16.16, 59.68' RT
BASE DH-23

NOTES
1. ALL CONDUITS ARE EMPTY EXCEPT FOR PULL ROPE.
2. ALL CONDUITS ARE 2" SCHEDULE 40 NON METALLIC UNLESS SIZE IS SHOWN OTHERWISE

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	LIGHTING PLAN	SHEET 213	E

2

N

BRAUN ROAD

STH 11

ACCESS FC6

CTH H

CTH H

S51-1470

S51-1452

1

2

S51-0501

ACCESS E5A

LEGEND

TRAFFIC SIGNAL

XXX-XXXX

1 INSTALL TEMPORARY TRAFFIC SIGNAL

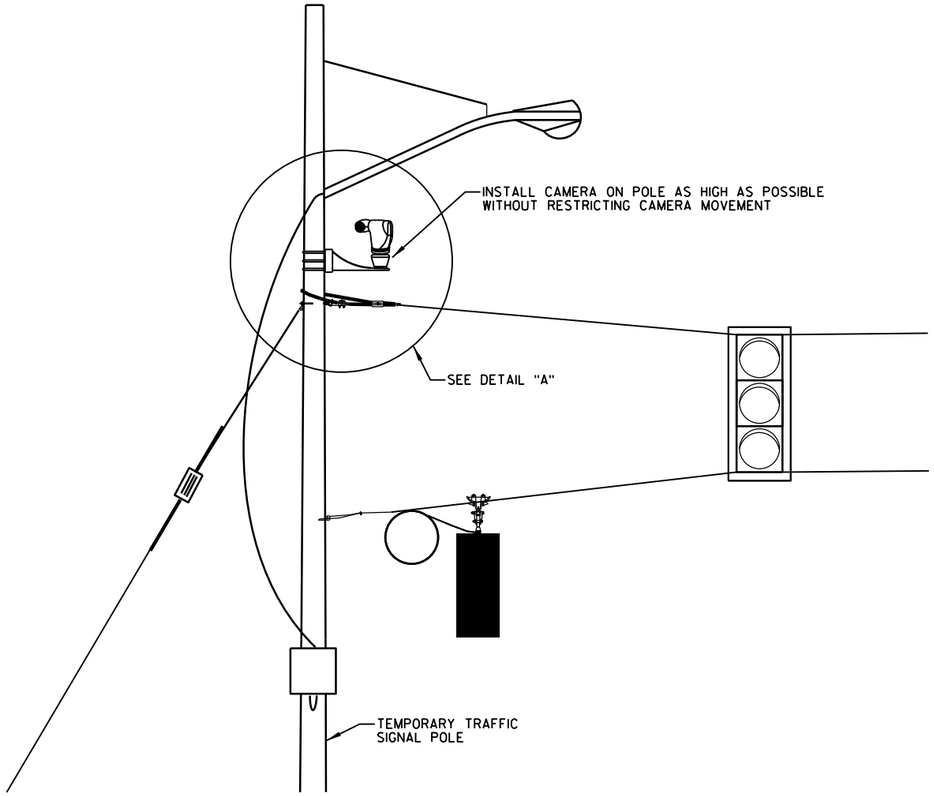
2 REMOVE TEMPORARY TRAFFIC SIGNAL UPON PROJECT COMPLETION

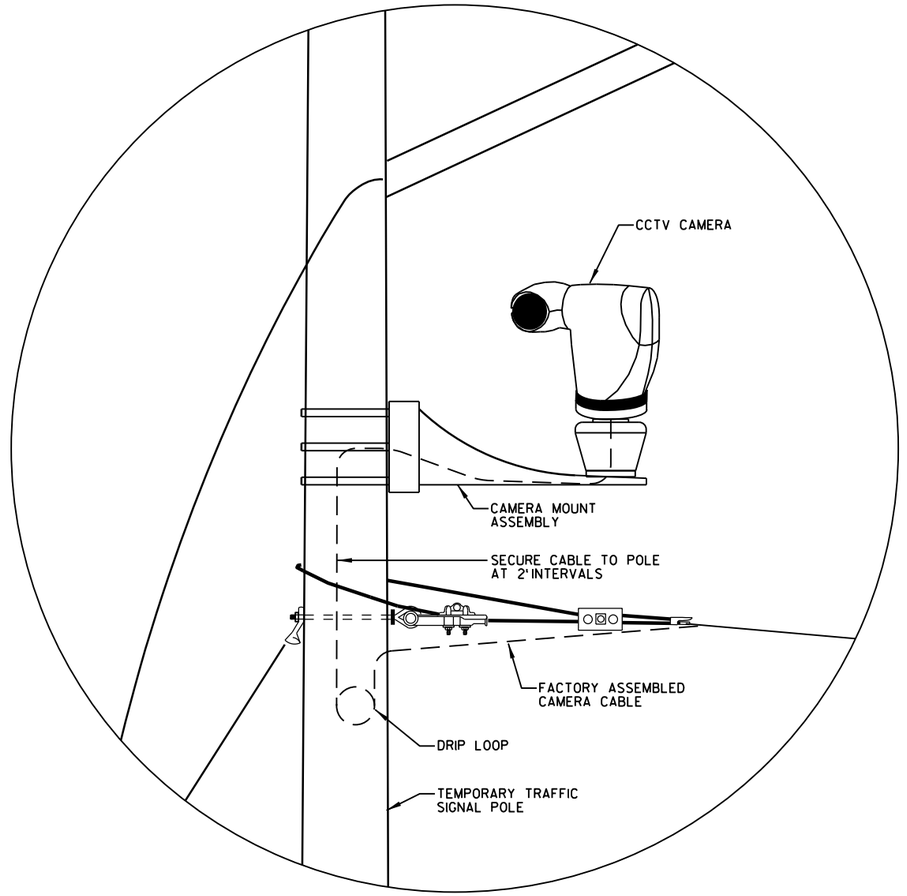
PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PROJECT OVERVIEW	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PS&E\Traffic\10_Sheets\20230901_52.25_Temp.dgn PLOT DATE: 10/31/2023 01:52:25 PM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 750:1

WISDOT/CADDS SHEET 42

2



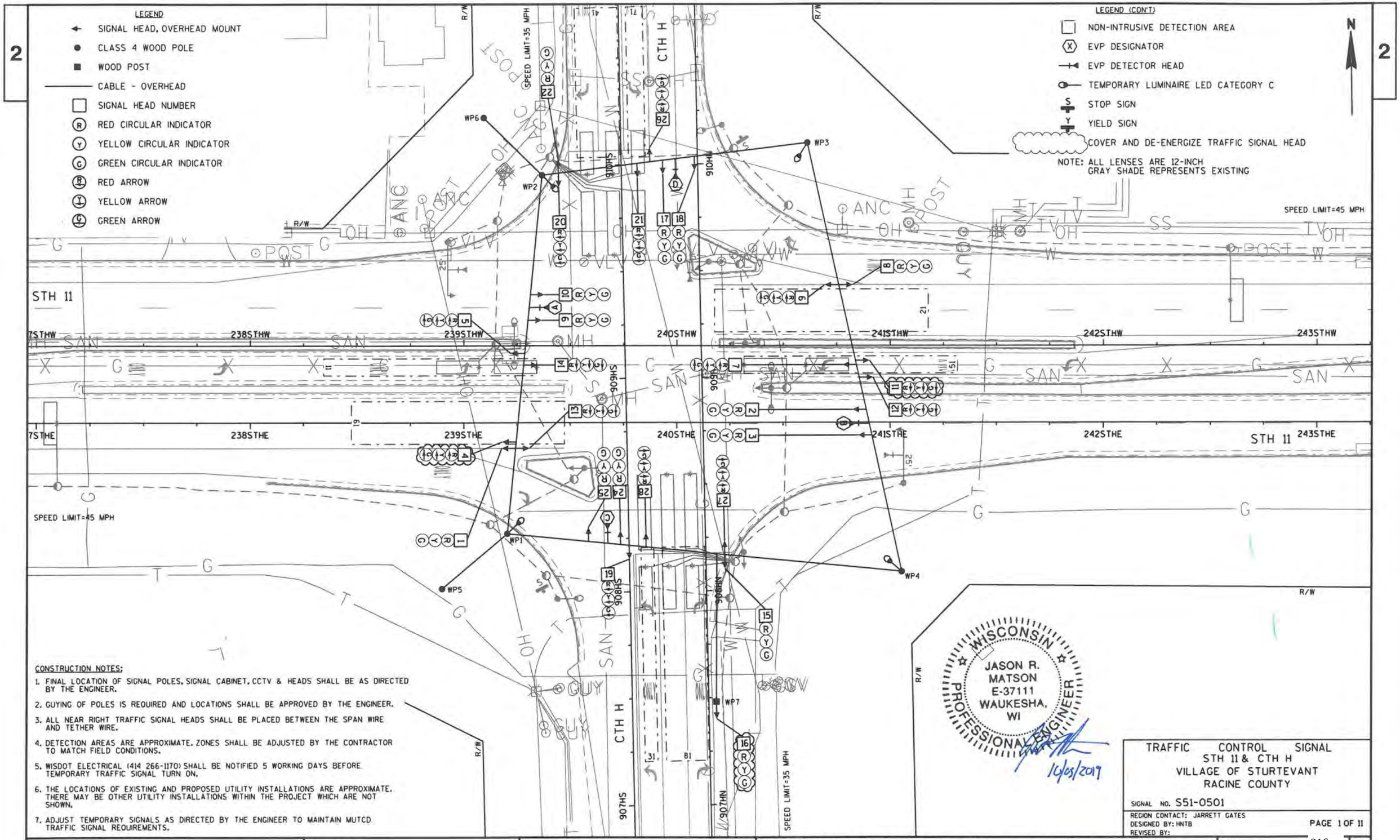


DETAIL "A"

CCTV MOUNTING DETAIL
(TEMPORARY TRAFFIC SIGNAL MOUNT)

NOT TO SCALE

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL DETAILS	SHEET 215	E



CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - PRE-STAGE 1a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-HPLOT DATE: 10/23/2019 10:33:45 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- S STOP SIGN
- Y YIELD SIGN
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

N

STH 11

CTH H

SPEED LIMIT=35 MPH

SPEED LIMIT=45 MPH

237STHW 238STHW 239STHW 240STHW 241STHW 242STHW 243STHW

237STHE 238STHE 239STHE 240STHE 241STHE 242STHE 243STHE

SH016 SH906 906HS 906HN 907HS 907HN

WP1 WP2 WP3 WP4 WP5 WP6 WP7 WP8

R/W

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.
8. WP8 AND HEAD 23 SHALL BE INSTALLED AND OPERATIONAL FOR STAGE 1a.

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 2 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PS&E\Traffic\10.23.2023 10.23.50 mjmdgn PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- S STOP SIGN
- Y YIELD SIGN
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

N

SPEED LIMIT=45 MPH

SPEED LIMIT=35 MPH

STH 11

CTH H

WP1 WP2 WP3 WP4 WP5 WP6 WP7 WP8

910HS 910HN 906HS 906HN 907HS 907HN

R/W

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.
8. WP8 AND HEAD 23 SHALL BE REMOVED AFTER STAGE 1b.
9. WP7 AND HEAD 16 SHALL BE REMOVED AFTER STAGE 1b.

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 3 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 1b	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PW_Traffic\10_Sheets\2023_10_53_54_mv.dgn PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- S STOP SIGN
- Y YIELD SIGN
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

N

SPEED LIMIT=45 MPH

STH 11

238STHW 239STHW 240STHW 241STHW 242STHW 243STHW

238STHE 239STHE 240STHE 241STHE 242STHE 243STHE

CTH H

SPEED LIMIT=35 MPH

SPEED LIMIT=45 MPH

WP1 WP2 WP3 WP4 WP5 WP6

SH016 NH016 SH006 NH006 908HS 908HN 907HS 907HN

R/W

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.
8. WP8 AND HEAD 23 SHALL BE REMOVED AFTER STAGE 1b.
9. WP7 AND HEAD 16 SHALL BE REMOVED AFTER STAGE 1b.

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 4 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2a	SHEET 219	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H PLOT DATE : 10/23/2023 2:53:58 PM dgn PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

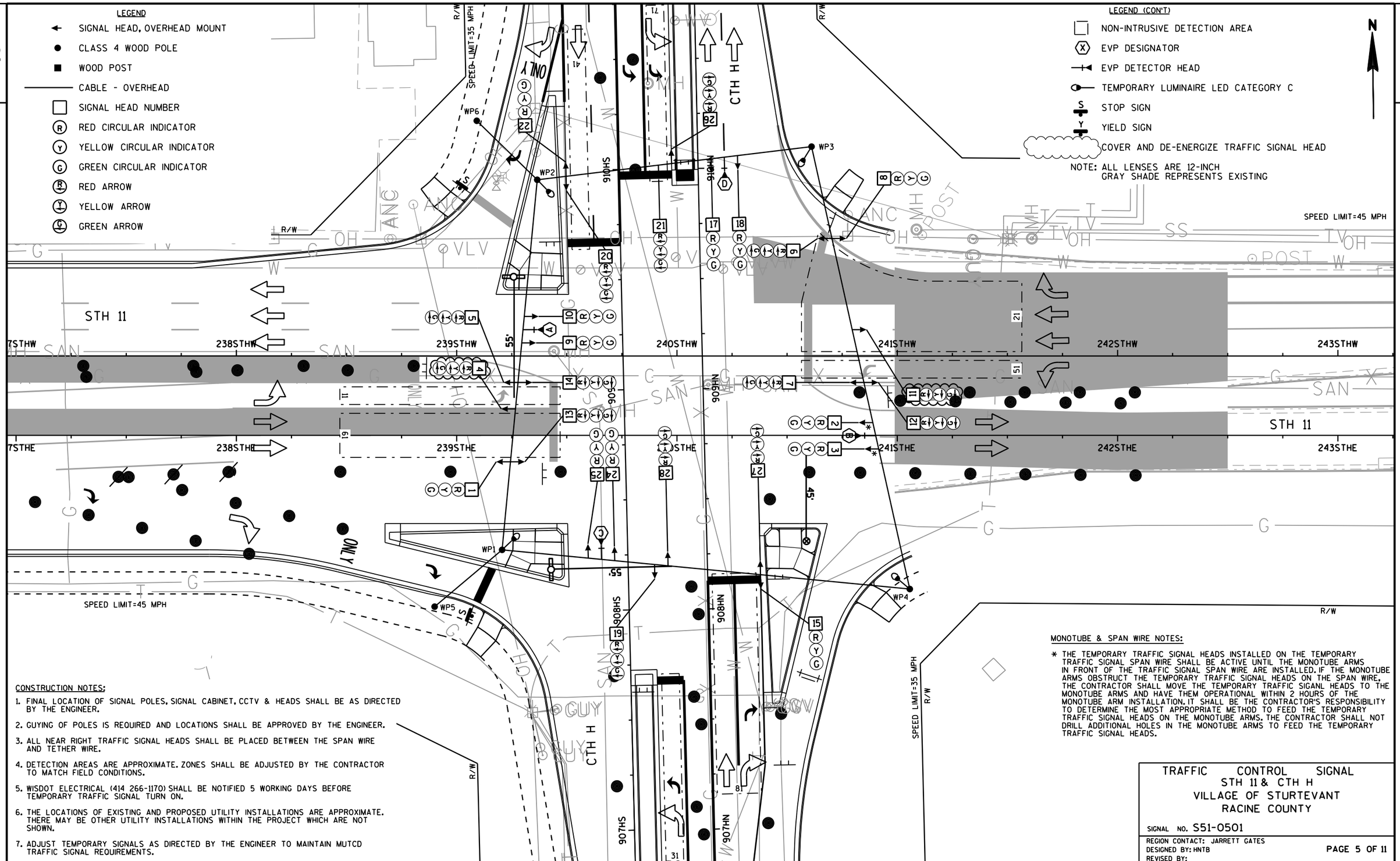
- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- S STOP SIGN
- Y YIELD SIGN
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

N



CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

MONOTUBE & SPAN WIRE NOTES:

* THE TEMPORARY TRAFFIC SIGNAL HEADS INSTALLED ON THE TEMPORARY TRAFFIC SIGNAL SPAN WIRE SHALL BE ACTIVE UNTIL THE MONOTUBE ARMS IN FRONT OF THE TRAFFIC SIGNAL SPAN WIRE ARE INSTALLED. IF THE MONOTUBE ARMS OBSTRUCT THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE SPAN WIRE, THE CONTRACTOR SHALL MOVE THE TEMPORARY TRAFFIC SIGANL HEADS TO THE MONOTUBE ARMS AND HAVE THEM OPERATIONAL WITHIN 2 HOURS OF THE MONOTUBE ARM INSTALLATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MOST APPROPRIATE METHOD TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE MONOTUBE ARMS. THE CONTRACTOR SHALL NOT DRILL ADDITIONAL HOLES IN THE MONOTUBE ARMS TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS.

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 5 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 2b	SHEET 220	E

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- S STOP SIGN
- Y YIELD SIGN
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

N

SPEED LIMIT=45 MPH

STH 11

CTH H

238STHW 239STHW 240STHW 241STHW 242STHW 243STHW

238STHE 239STHE 240STHE 241STHE 242STHE 243STHE

SHOULD

ONLY

WP1 WP2 WP3 WP4 WP5 WP6

SPEED LIMIT=35 MPH

R/W

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

MONOTUBE & SPAN WIRE NOTES:

* THE TEMPORARY TRAFFIC SIGNAL HEADS INSTALLED ON THE TEMPORARY TRAFFIC SIGNAL SPAN WIRE SHALL BE ACTIVE UNTIL THE MONOTUBE ARMS IN FRONT OF THE TRAFFIC SIGNAL SPAN WIRE ARE INSTALLED. IF THE MONOTUBE ARMS OBSTRUCT THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE SPAN WIRE, THE CONTRACTOR SHALL MOVE THE TEMPORARY TRAFFIC SIGANL HEADS TO THE MONOTUBE ARMS AND HAVE THEM OPERATIONAL WITHIN 2 HOURS OF THE MONOTUBE ARM INSTALLATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MOST APPROPRIATE METHOD TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE MONOTUBE ARMS. THE CONTRACTOR SHALL NOT DRILL ADDITIONAL HOLES IN THE MONOTUBE ARMS TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS.

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 6 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3a	SHEET 221	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 10/23/2023 3:54:08 PM dgn PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- S STOP SIGN
- Y YIELD SIGN
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

N

SPEED LIMIT=35 MPH

SPEED LIMIT=45 MPH

STH 11

CTH H

ONLY

R/W

238STHW 239STHW 240STHW 241STHW 242STHW 243STHW

238STHE 239STHE 240STHE 241STHE 242STHE 243STHE

SHO16 NHO16 NHO06 908HS 908HN 907HS 907HN

WP1 WP2 WP3 WP4 WP5 WP6

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
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5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
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7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

MONOTUBE & SPAN WIRE NOTES:

* THE TEMPORARY TRAFFIC SIGNAL HEADS INSTALLED ON THE TEMPORARY TRAFFIC SIGNAL SPAN WIRE SHALL BE ACTIVE UNTIL THE MONOTUBE ARMS IN FRONT OF THE TRAFFIC SIGNAL SPAN WIRE ARE INSTALLED. IF THE MONOTUBE ARMS OBSTRUCT THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE SPAN WIRE, THE CONTRACTOR SHALL MOVE THE TEMPORARY TRAFFIC SIGANL HEADS TO THE MONOTUBE ARMS AND HAVE THEM OPERATIONAL WITHIN 2 HOURS OF THE MONOTUBE ARM INSTALLATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MOST APPROPRIATE METHOD TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE MONOTUBE ARMS. THE CONTRACTOR SHALL NOT DRILL ADDITIONAL HOLES IN THE MONOTUBE ARMS TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS.

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 7 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3b	SHEET 222	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 10 Oct 2023 03:56:11 PM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- S STOP SIGN
- Y YIELD SIGN
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

N

SPEED LIMIT=45 MPH

STH 11

CTH H

238STHW 239STHW 240STHW 241STHW 242STHW 243STHW

238STHE 239STHE 240STHE 241STHE 242STHE 243STHE

SPEED LIMIT=35 MPH

WP1 WP2 WP3 WP4 WP5 WP6

908HS 908HN 906HS 906HN 907HS 907HN

ONLY

55' 45' 81' 21' 51'

CONSTRUCTION NOTES:

1. FINAL LOCATION OF SIGNAL POLES, SIGNAL CABINET, CCTV & HEADS SHALL BE AS DIRECTED BY THE ENGINEER.
2. GUYING OF POLES IS REQUIRED AND LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. ALL NEAR RIGHT TRAFFIC SIGNAL HEADS SHALL BE PLACED BETWEEN THE SPAN WIRE AND TETHER WIRE.
4. DETECTION AREAS ARE APPROXIMATE. ZONES SHALL BE ADJUSTED BY THE CONTRACTOR TO MATCH FIELD CONDITIONS.
5. WISDOT ELECTRICAL (414 266-1170) SHALL BE NOTIFIED 5 WORKING DAYS BEFORE TEMPORARY TRAFFIC SIGNAL TURN ON.
6. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
7. ADJUST TEMPORARY SIGNALS AS DIRECTED BY THE ENGINEER TO MAINTAIN MUTCD TRAFFIC SIGNAL REQUIREMENTS.

MONOTUBE & SPAN WIRE NOTES:

* THE TEMPORARY TRAFFIC SIGNAL HEADS INSTALLED ON THE TEMPORARY TRAFFIC SIGNAL SPAN WIRE SHALL BE ACTIVE UNTIL THE MONOTUBE ARMS IN FRONT OF THE TRAFFIC SIGNAL SPAN WIRE ARE INSTALLED. IF THE MONOTUBE ARMS OBSTRUCT THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE SPAN WIRE, THE CONTRACTOR SHALL MOVE THE TEMPORARY TRAFFIC SIGANL HEADS TO THE MONOTUBE ARMS AND HAVE THEM OPERATIONAL WITHIN 2 HOURS OF THE MONOTUBE ARM INSTALLATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE MOST APPROPRIATE METHOD TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS ON THE MONOTUBE ARMS. THE CONTRACTOR SHALL NOT DRILL ADDITIONAL HOLES IN THE MONOTUBE ARMS TO FEED THE TEMPORARY TRAFFIC SIGNAL HEADS.

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 8 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3c	SHEET 223	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H PLOT DATE : 10 Sep 2023 03:54:19 PM dgn PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

LEGEND

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- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
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- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
- S STOP SIGN
- Y YIELD SIGN
- COVER AND DE-ENERGIZE TRAFFIC SIGNAL HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAY SHADE REPRESENTS EXISTING

N

STH 11

CTH H

SPEED LIMIT=45 MPH

SPEED LIMIT=35 MPH

R/W

ONLY

WP1 WP2 WP3 WP4 WP5 WP6

907HS 908HS 908HN 907HN 906HN

238STHW 239STHW 240STHW 241STHW 242STHW 243STHW

238STHE 239STHE 241STHE 242STHE 243STHE

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TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 9 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 3d	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PSE\Traffic\10_Sheets\2023_03_Sep19_MW.dgn PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

LEGEND

- SIGNAL HEAD, OVERHEAD MOUNT
- CLASS 4 WOOD POLE
- WOOD POST
- CABLE - OVERHEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
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LEGEND (CON'T)

- NON-INTRUSIVE DETECTION AREA
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- EVP DETECTOR HEAD
- TEMPORARY LUMINAIRE LED CATEGORY C
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GRAY SHADE REPRESENTS EXISTING

N

SPEED LIMIT=45 MPH

SPEED LIMIT=35 MPH

SPEED LIMIT=45 MPH

STH 11

CTH H

WP1 WP2 WP3 WP4 WP5 WP6

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TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

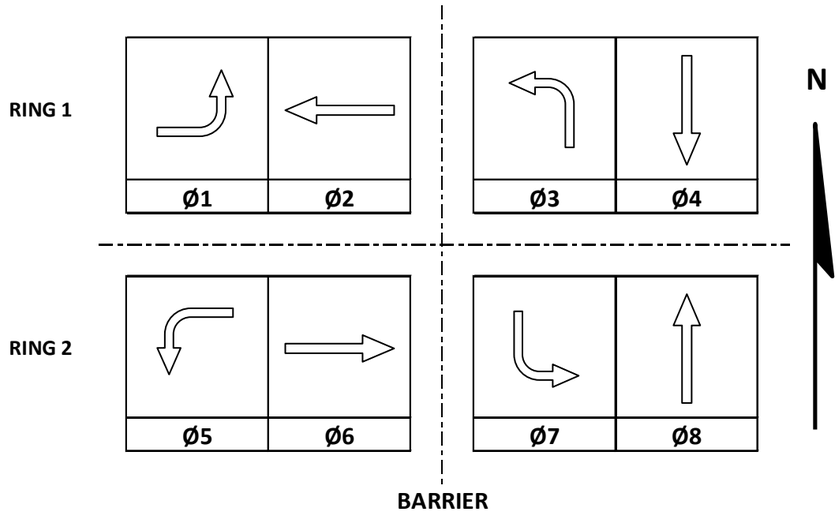
PAGE 10 OF 11

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TEMPORARY TRAFFIC SIGNAL PLAN - STAGE 4	SHEET 225	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PW_Traffic_Signal_Design PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1	4,5,6,7	R
Ø2	8,9,10	R
Ø3	19,20,21	R
Ø4	22,23,24,25	R
Ø5	11,12,13,14	R
Ø6	1,2,3	R
Ø7	26,27,28	R
Ø8	15,16,17,18	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
11	1	X			1	1					
21	2	X			2	2					
31	3	X			3	3					
41	4	X			4	4					
51	5	X			5	5					
61	6	X			6	6					
71	7	X			7	7					
81	8	X			8	8					

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MAX	X
3		8		X
4		8		X
5		2		X
6	X	2	MAX	X
7		4		X
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

GENERAL NOTES:

1. OMIT PHASES 1,3,5,6,7 AND PREEMPTION CHANNEL B DURING STAGES 1A AND 1B.
2. OMIT PHASE 3 DURING STAGE 2A.
3. PHASES 1 AND 5 ARE IN CONFLICT AND NOT ALLOWED TO TIME CONCURRENTLY.
4. PHASES 3 AND 7 ARE IN CONFLICT AND NOT ALLOWED TO TIME CONCURRENTLY.
5. WP8 AND HEAD 23 SHALL BE INSTALLED AND OPERATIONAL FOR STAGE 1a AND REMOVED AFTER STAGE 1b.
6. WP7 AND HEAD 16 SHALL BE REMOVED AFTER STAGE 1b.

STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO: S51-0501 CABINET TYPE: TEMP
CONTROLLER TYPE: TEMP
DATE: 09/2019 PAGE NUMBER: 11 OF 11

2

N

BRAUN ROAD

STH 11

ACCESS FC6

ACCESS E5A

CTH H

CTH H

S51-1470

3
S51-1452

1
2
S51-0501

STH 11

WILLOW ROAD

4
5
S51-0216

LEGEND

TRAFFIC SIGNAL

XXX-XXXX

1 REMOVE EXISTING TRAFFIC SIGNAL

2 INSTALL TRAFFIC SIGNAL

3 WISDOT TO ADJUST DETECTION ZONES

4 REMOVE PORTIONS OF EXISTING TRAFFIC SIGNAL

5 INSTALL PORTIONS OF TRAFFIC SIGNAL

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL PROJECT OVERVIEW	SHEET 227	E

2

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING THEIR OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

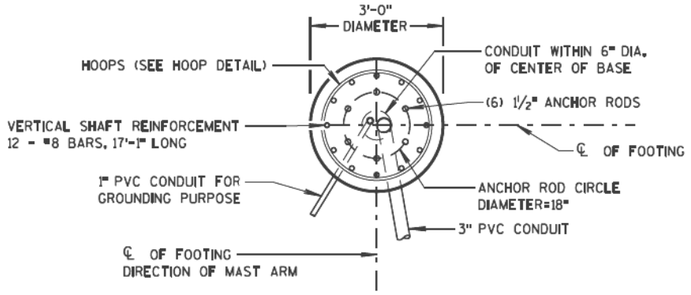
THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

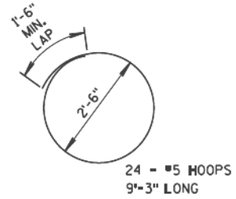
THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES. (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

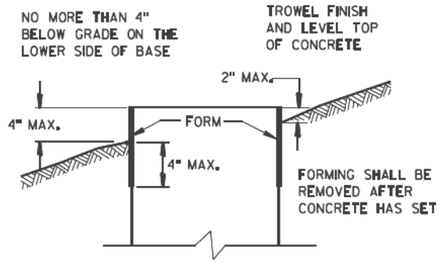
CONCRETE MASONRY ---------- fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60 ------ fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATIONS --- fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36 ---------- fy=36,000 p.s.i.



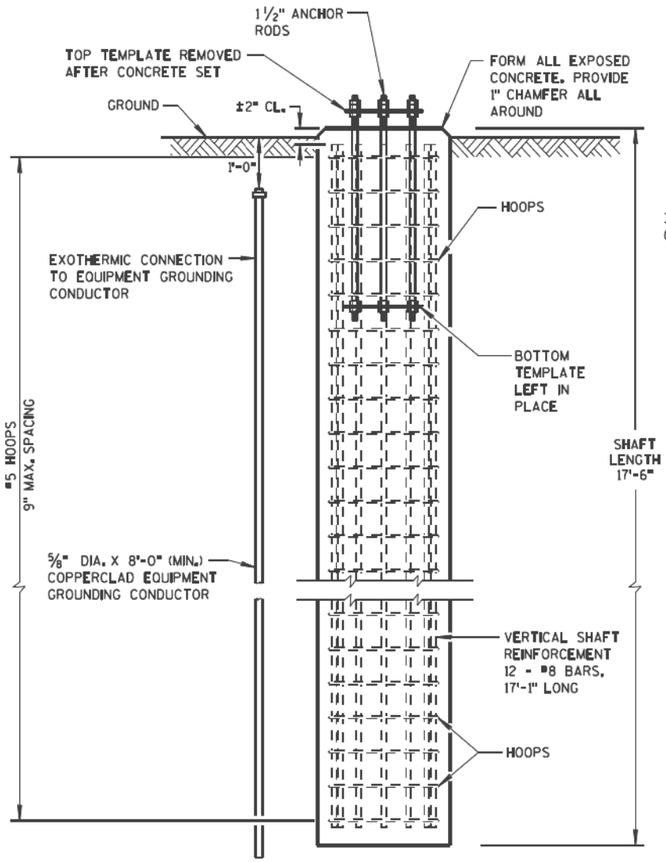
PLAN VIEW



HOOP DETAIL

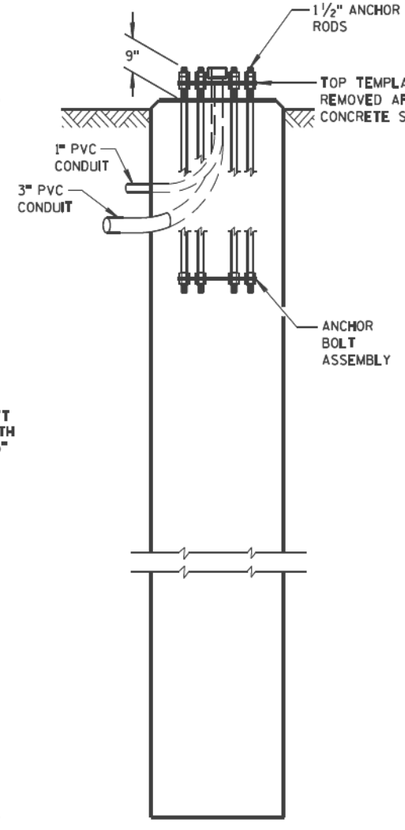


FORMING DETAIL



ELEVATION VIEW*

* CONDUITS ARE NOT SHOWN ON THIS VIEW FOR CLARITY



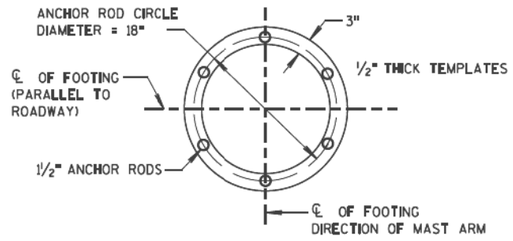
SIDE VIEW **

** HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY

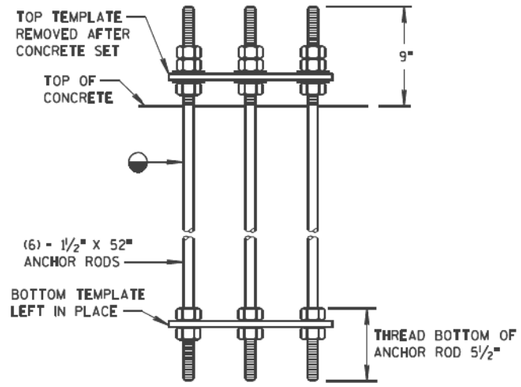
(FOR TYPE 9 & 10 SPECIAL POLES)

CONCRETE = 4.6 C.Y.
M.S. REINFORCEMENT = 779 LBS.

TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.



TOP AND BOTTOM TEMPLATES

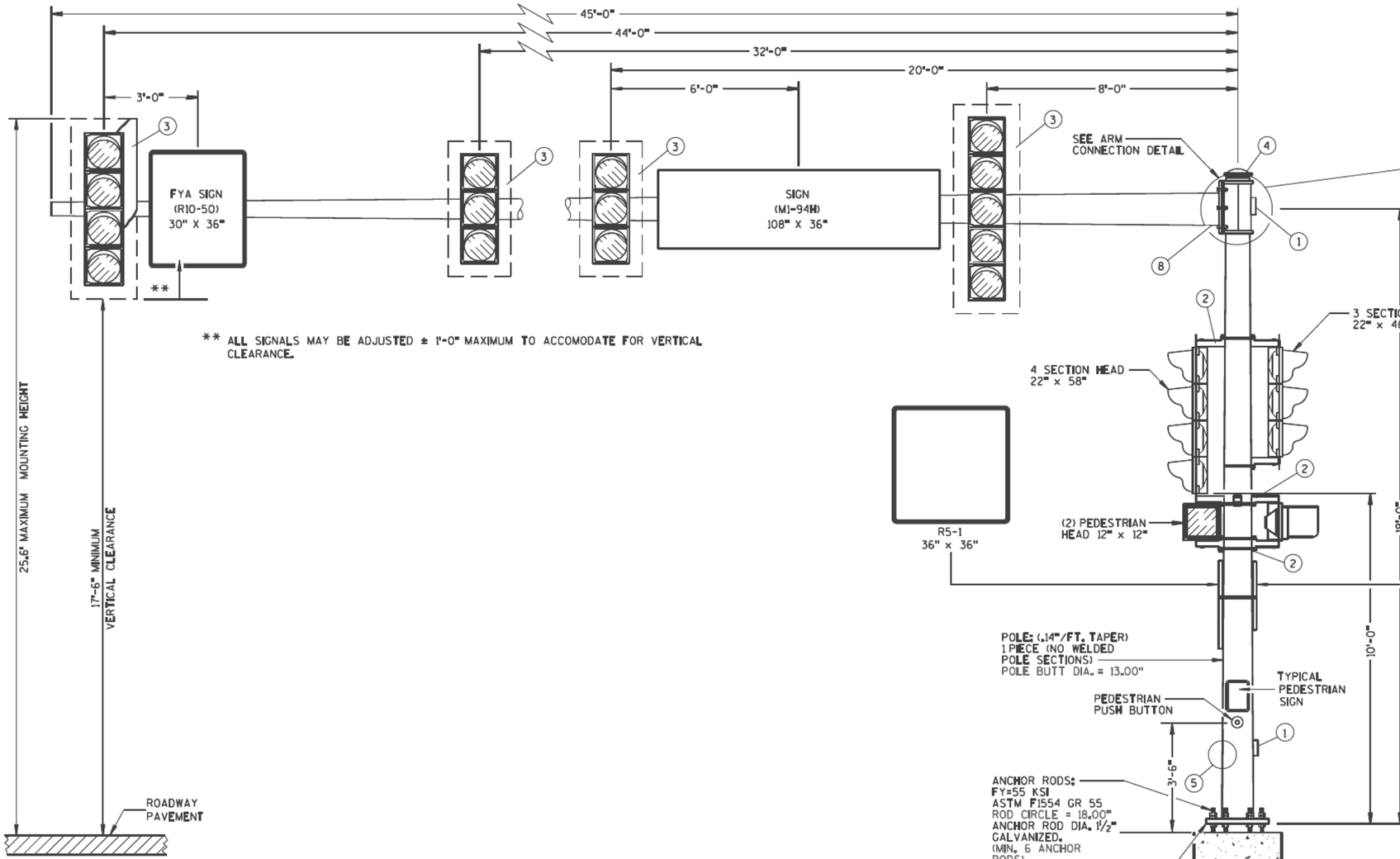


ANCHOR BOLT ASSEMBLY DETAIL

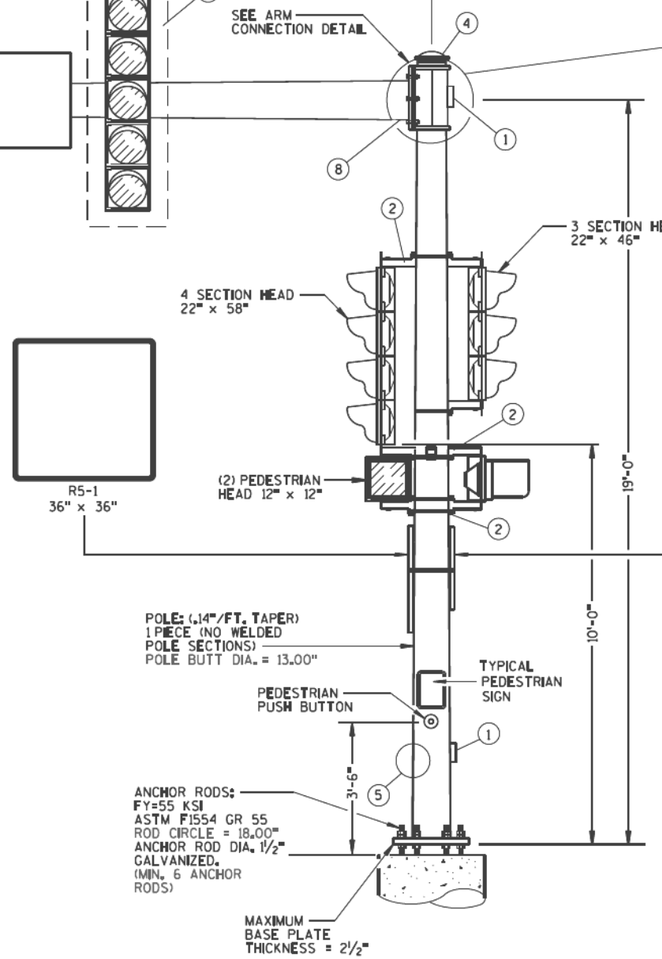
CONCRETE BASE ANCHOR ASSEMBLY

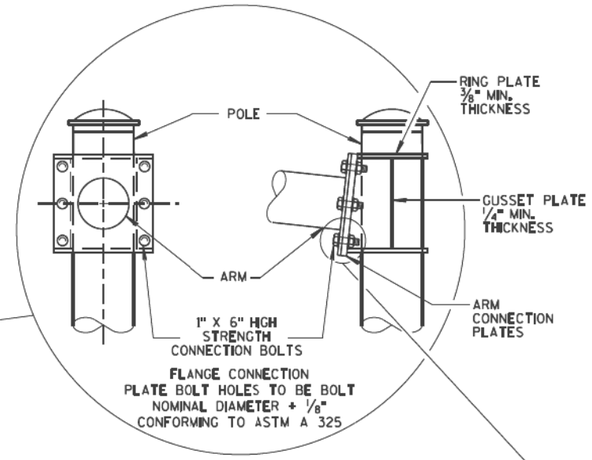
◒ THREAD TOP 9" OF ANCHOR ROD FOR 3 NUTS AND 2 WASHERS AND BOTTOM 5½" FOR 2 NUTS PER ANCHOR ROD. HOT-DIP GALVANIZE THE ENTIRE LENGTH OF THE ANCHOR RODS (ASTM A123) AND HOT-DIP NUTS AND WASHERS (ASTM A153). USE ZINC COATED NUTS MANUFACTURED WITH SUFFICIENT ALLOWANCE TO ALLOW NUTS TO RUN FREELY ON THE THREADS.

2



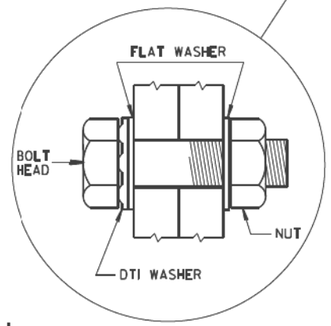
** ALL SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



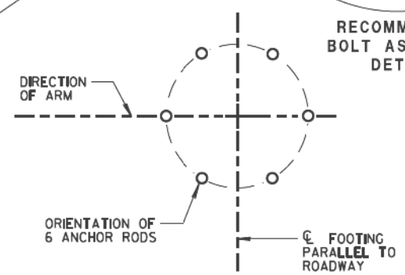


6 BOLT ARM CONNECTION DETAIL

FOLDING STOP SIGN
30" x 30"



RECOMMENDED
BOLT ASSEMBLY
DETAIL



ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 9 SPECIAL POLE
45' MONOTUBE ARM

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL DETAILS	SHEET 229	E

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 15'-30' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- RADAR DETECTION AREA
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- YIELD SIGN
- RADAR DETECTOR

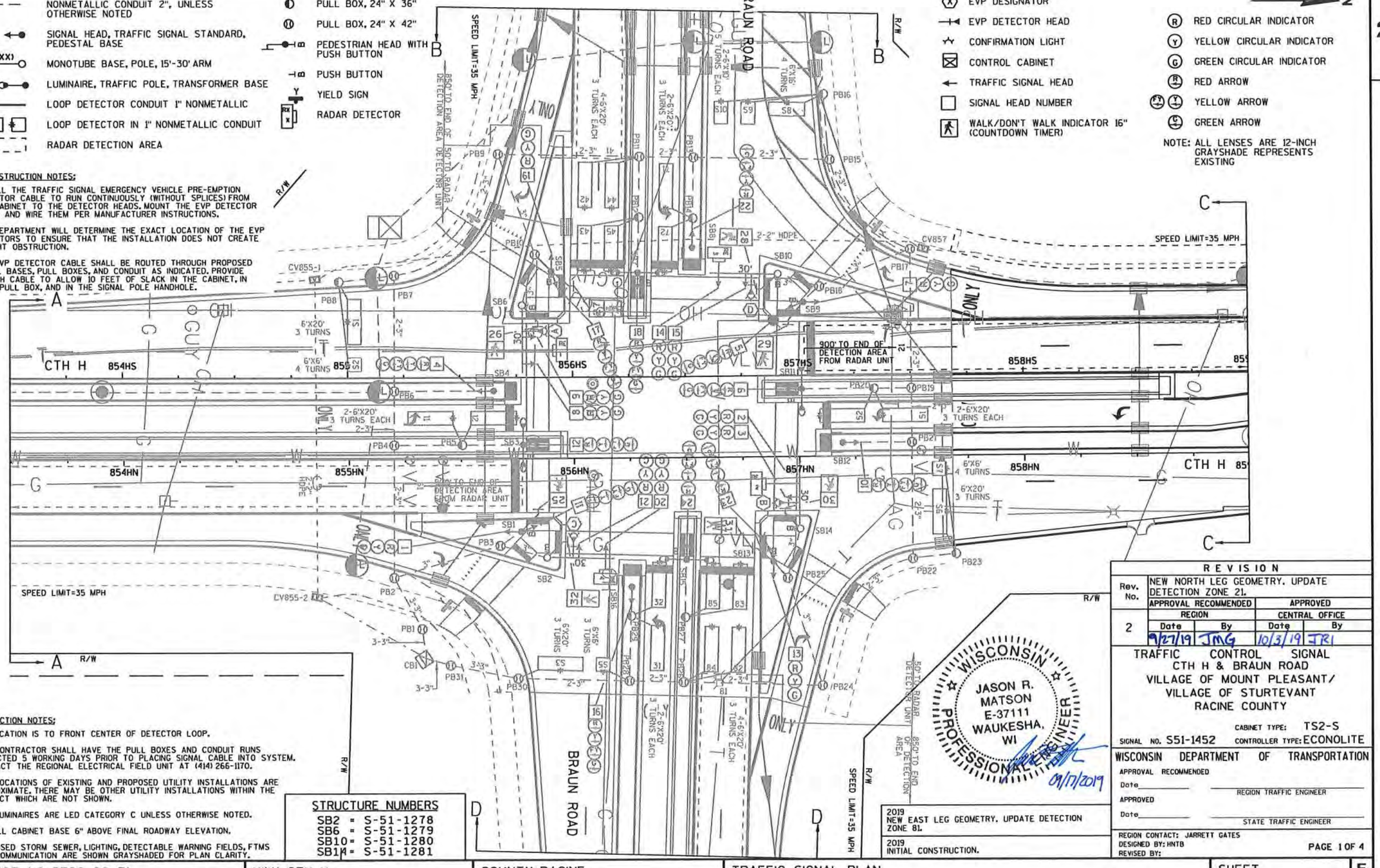
LEGEND (CON'T)

- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH PROPOSED SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.



CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
5. INSTALL CABINET BASE 6" ABOVE FINAL ROADWAY ELEVATION.
6. PROPOSED STORM SEWER, LIGHTING, DETECTABLE WARNING FIELDS, FTMS AND COMMUNICATION ARE SHOWN GRAYSHADED FOR PLAN CLARITY.

STRUCTURE NUMBERS

SB2 = S-51-1278
SB6 = S-51-1279
SB10 = S-51-1280
SB14 = S-51-1281

REVISION

Rev. No.	NEW NORTH LEG GEOMETRY. UPDATE DETECTION ZONE 21.			
	APPROVAL RECOMMENDED		APPROVED	
	REGION		CENTRAL OFFICE	
2	Date	By	Date	By
	9/27/19	JMG	10/3/19	JRI

2019 NEW EAST LEG GEOMETRY. UPDATE DETECTION ZONE 81.

2019 INITIAL CONSTRUCTION.

WISCONSIN PROFESSIONAL ENGINEER
JASON R. MATSON
E-37111
WAUKESHA, WI
09/17/2019

TRAFFIC CONTROL SIGNAL
CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

CABINET TYPE: TS2-S
SIGNAL NO. S51-1452 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVAL RECOMMENDED
Date _____ REGION TRAFFIC ENGINEER
APPROVED
Date _____ STATE TRAFFIC ENGINEER

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:
PAGE 1 OF 4

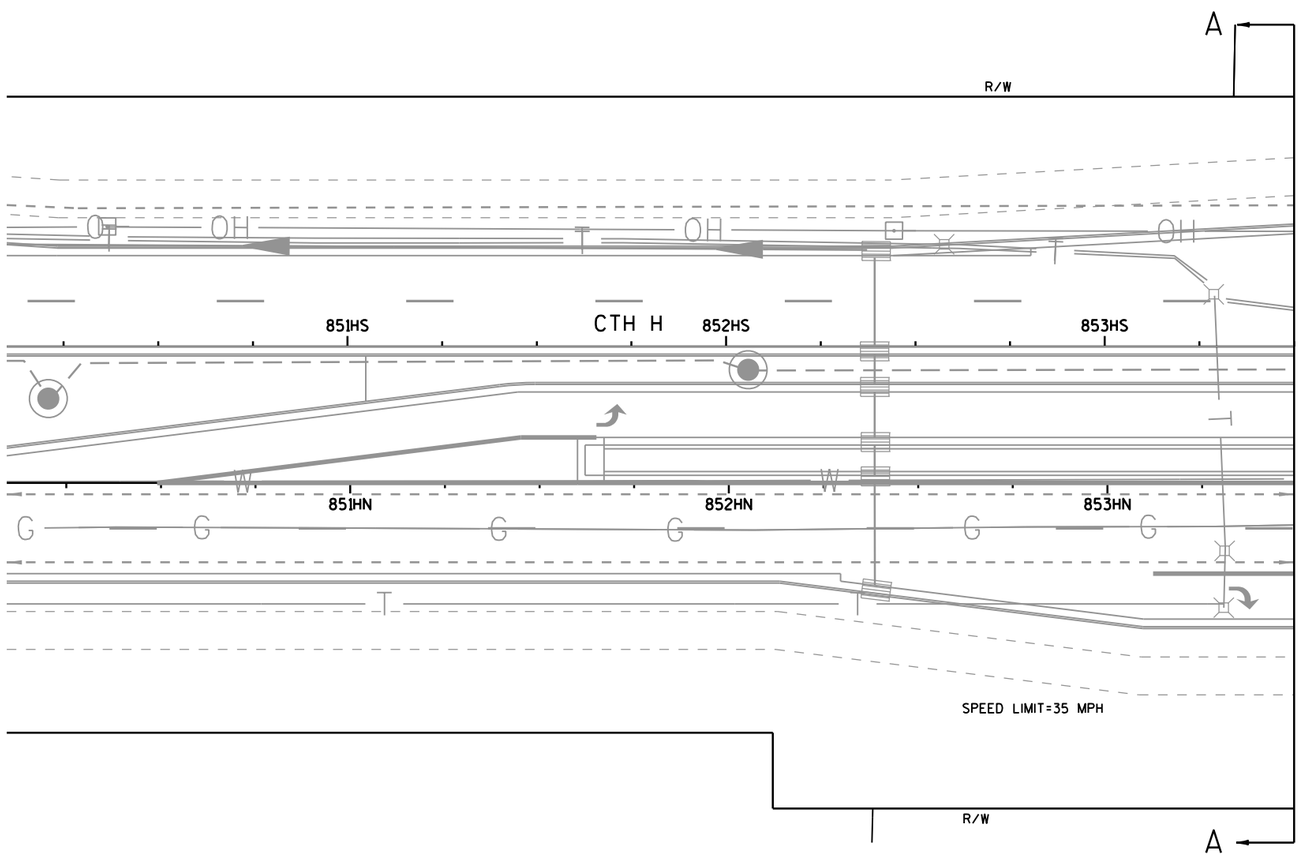
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET E

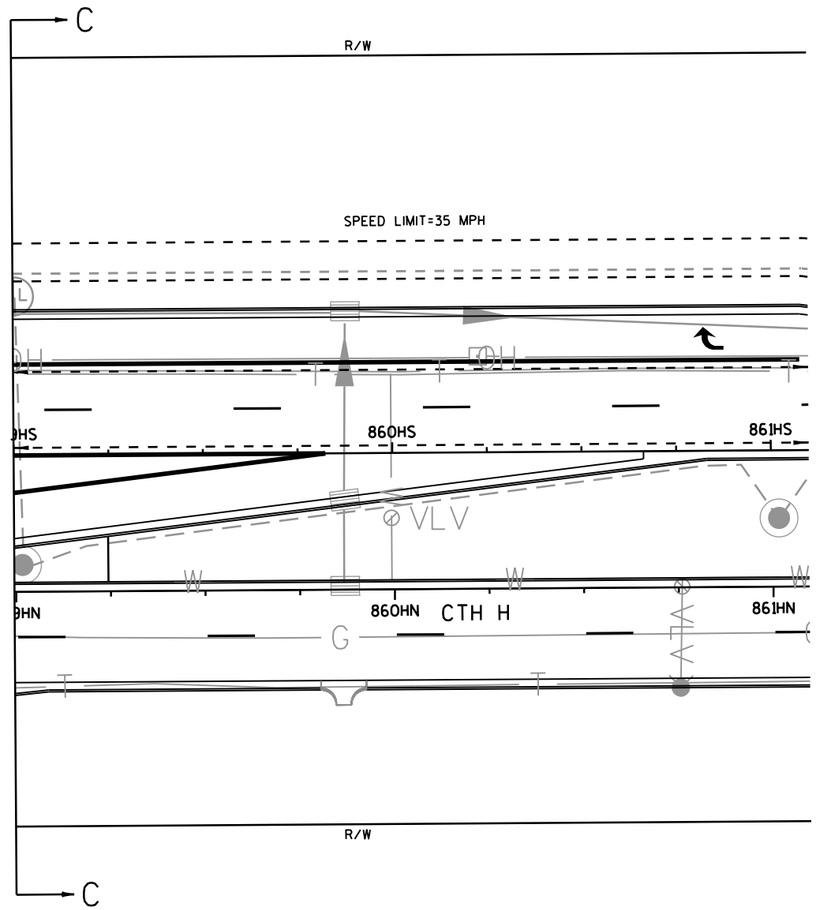
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9-27-19 JMG

2

N





TRAFFIC CONTROL SIGNAL
CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-1452

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 2 OF 4

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 231	E

2

N

D

D

R/W

SPEED LIMIT=35 MPH

R/W

BRAUN ROAD

B

B

R/W

SPEED LIMIT=35 MPH

R/W

BRAUN ROAD

TRAFFIC CONTROL SIGNAL
CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/
VILLAGE OF STURTEVANT
RACINE COUNTY

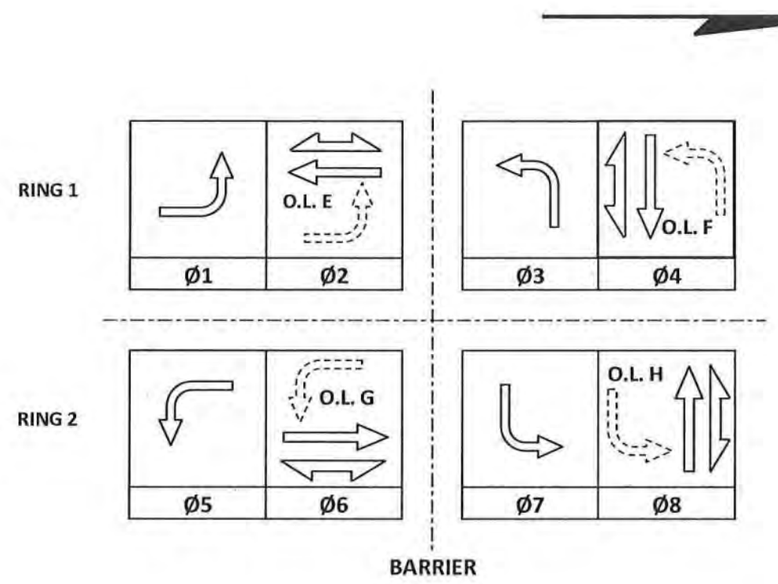
SIGNAL NO. S51-1452

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 232	E

	HEAD NUMBERS	FLASH
Ø1	4,5,6	R
Ø2	7,8,9	R
Ø3	16,17,18	R
Ø4	19,20,21	R
Ø5	10,11,12	R
Ø6	1,2,3	R
Ø7	22,23,24	R
Ø8	13,14,15	R
Ø2P	27,28	
Ø4P	25,26	
Ø6P	31,32	
Ø8P	29,30	
OLE	4,5,6	-
OLF	16,17,18	-
OLG	10,11,12	-
OLH	22,23,24	-



CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	X
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	31	42	44	51	71	82	84
CALLED PHASE	1	3	4	4	5	7	8	8
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE	2	4			6	8		

DETECTOR INPUT	19	17	23	21	27	25	31	29
PLAN LOOP DETECTOR*(S)	S1	S3	S6	S8	S10			
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	35	33	39	37	43	41	47	45
PLAN LOOP DETECTOR*(S)	21	61						
CALLED PHASE	2	6						
CALL OPTION	X	X						
DELAY TIME								
EXTENTION OPTION	X	X						
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	32	43	45	52	72	83	85
CALLED PHASE	1	3	4	4	5	7	8	8
CALL OPTION	X	X	X	X	X	X	X	X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE	2	4			6	8		

DETECTOR INPUT	20	18	24	22	28	26	32	30
PLAN LOOP DETECTOR*(S)	S2	S5	S7	S9				
CALLED PHASE								
CALL OPTION								
DELAY TIME								
EXTENTION OPTION								
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

DETECTOR INPUT	36	34	40	38	44	42	48	46
PLAN LOOP DETECTOR*(S)	41	81						
CALLED PHASE	4	8						
CALL OPTION	X	X						
DELAY TIME								
EXTENTION OPTION	X	X						
EXTEND TIME								
USE ADDED INITIAL								
CROSS SWITCH PHASE								

CTH H & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT/VILLAGE OF STURTEVANT
RACINE COUNTY
SIGNAL NO: S51-1452 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: 09/19 PAGE NUMBER: 4 OF 4

RJW 9-27-19
JMG 9/27/2019

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO: 233	E

LEGEND

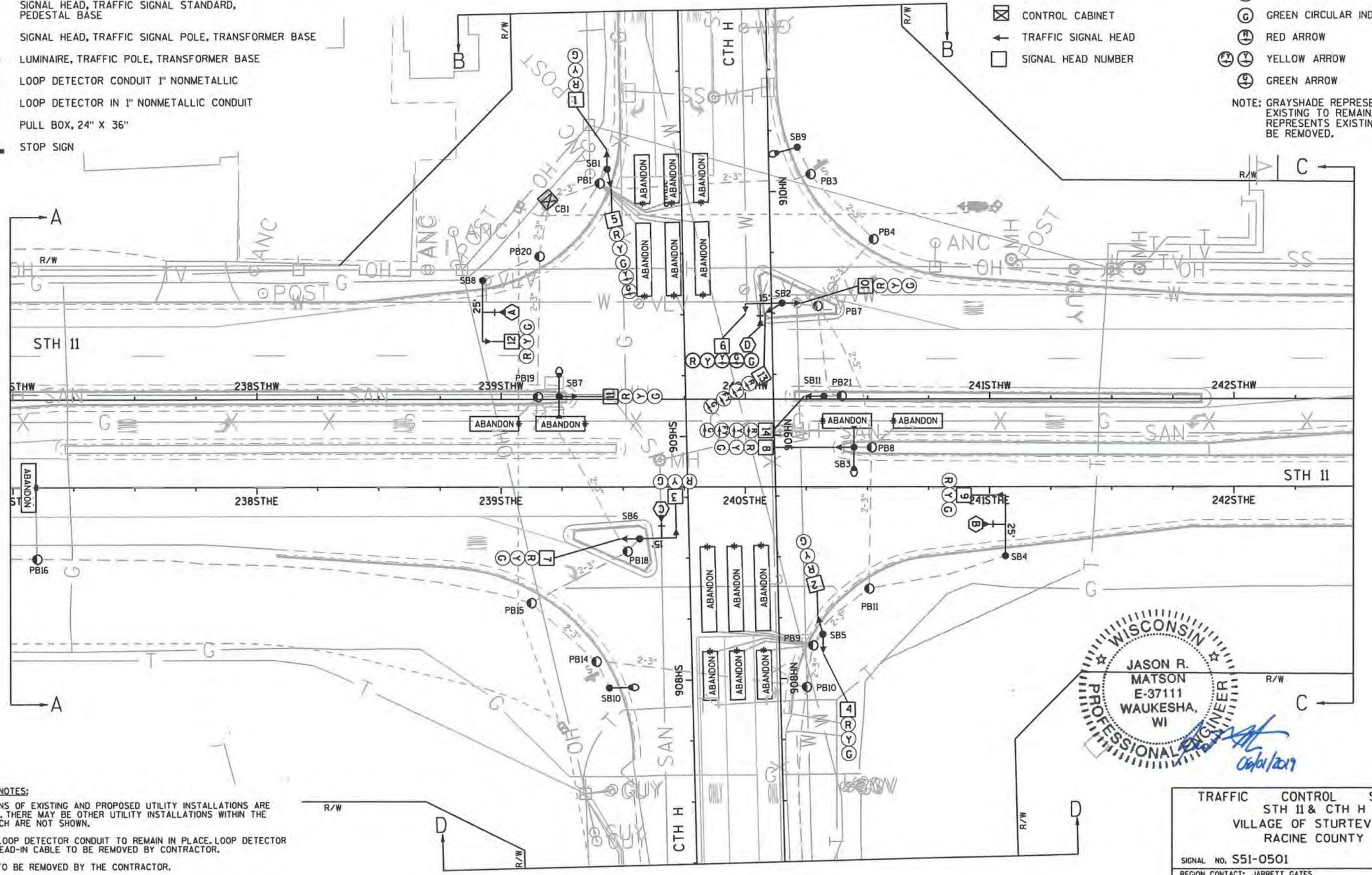
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- S STOP SIGN

LEGEND (CON'T)

- (X) EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR
- (R) RED ARROW
- (Y) YELLOW ARROW
- (G) GREEN ARROW

NOTE: GRAYSHADE REPRESENTS EXISTING TO REMAIN. BOLD REPRESENTS EXISTING TO BE REMOVED.

N



CONSTRUCTION NOTES:

1. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRES AND LEAD-IN CABLE TO BE REMOVED BY CONTRACTOR.
3. EVP CABLE TO BE REMOVED BY THE CONTRACTOR.
4. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.

WISCONSIN
JASON R. MATSON
E-37111
WAUKESHA, WI
PROFESSIONAL ENGINEER
06/01/2019

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

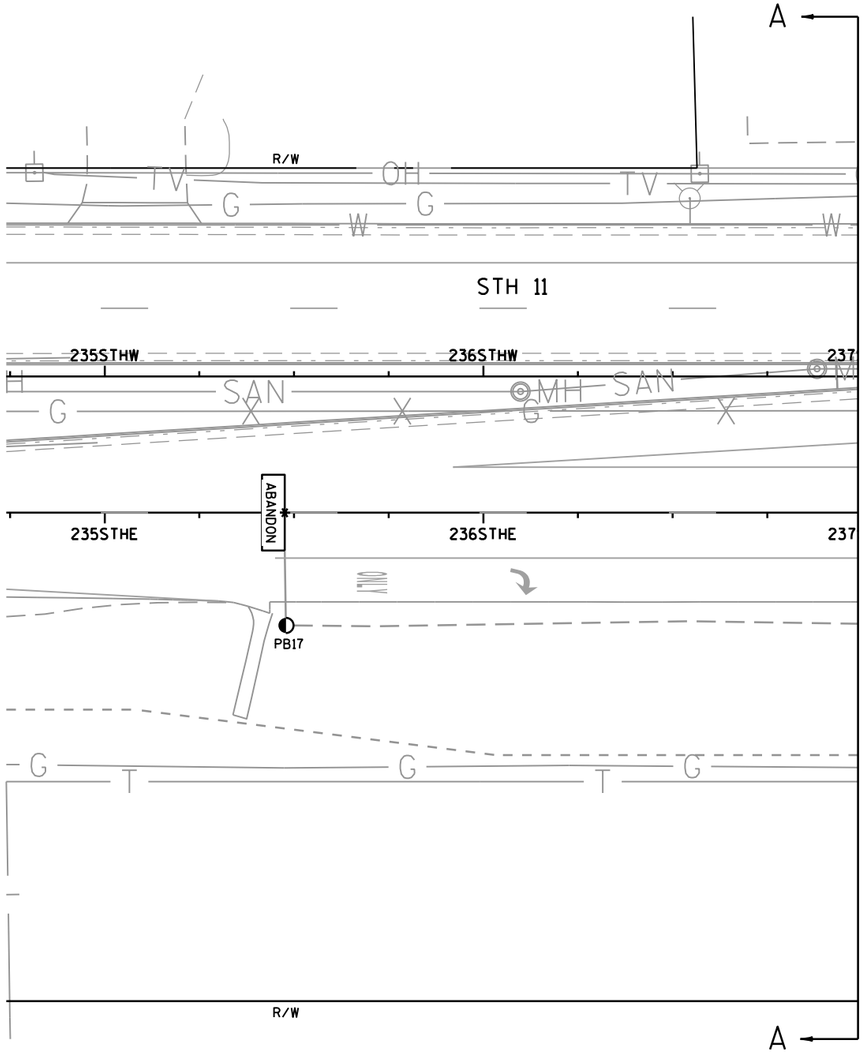
REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

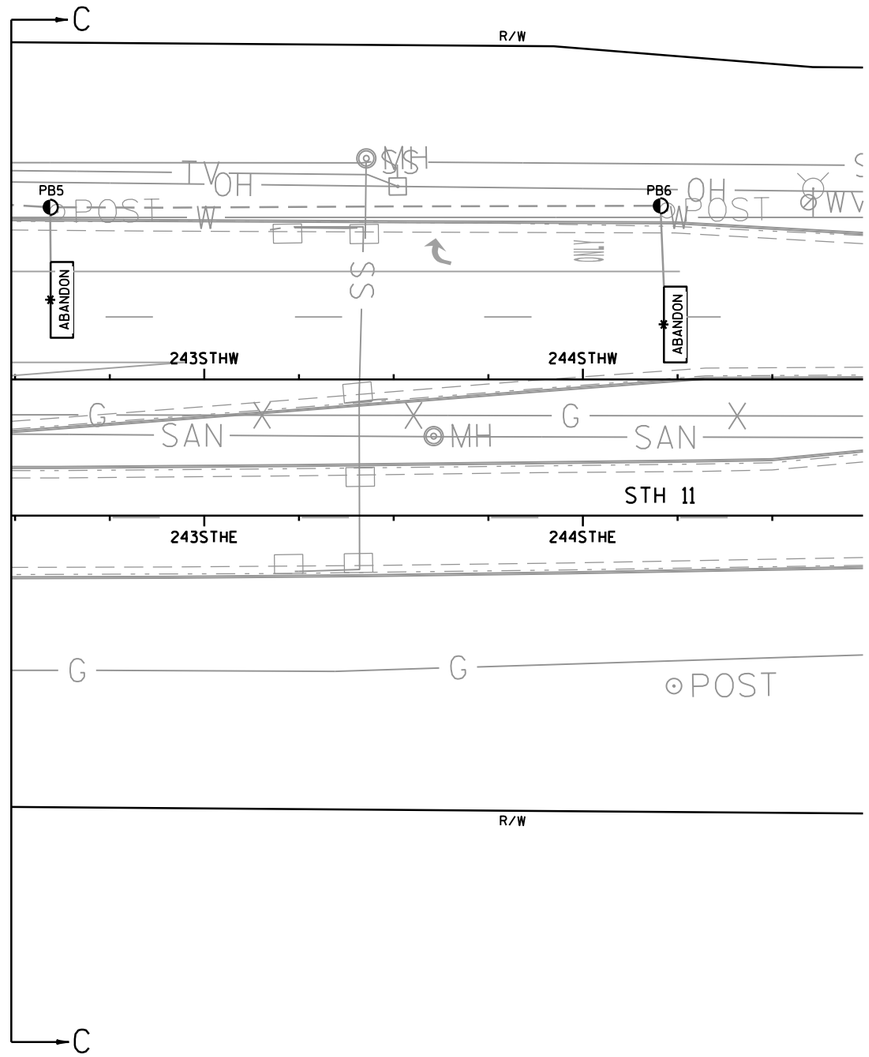
PAGE 1 OF 3

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 234 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PSnP_DATEg1&1e20190612sp0rrW.dgn PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42





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2

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

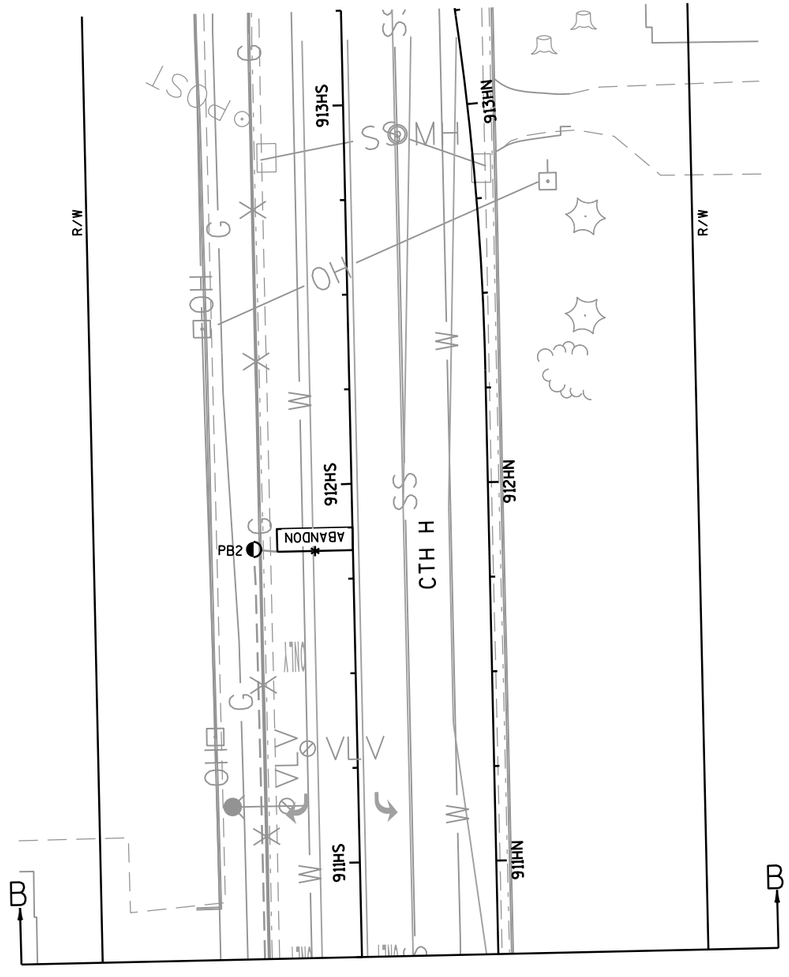
REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

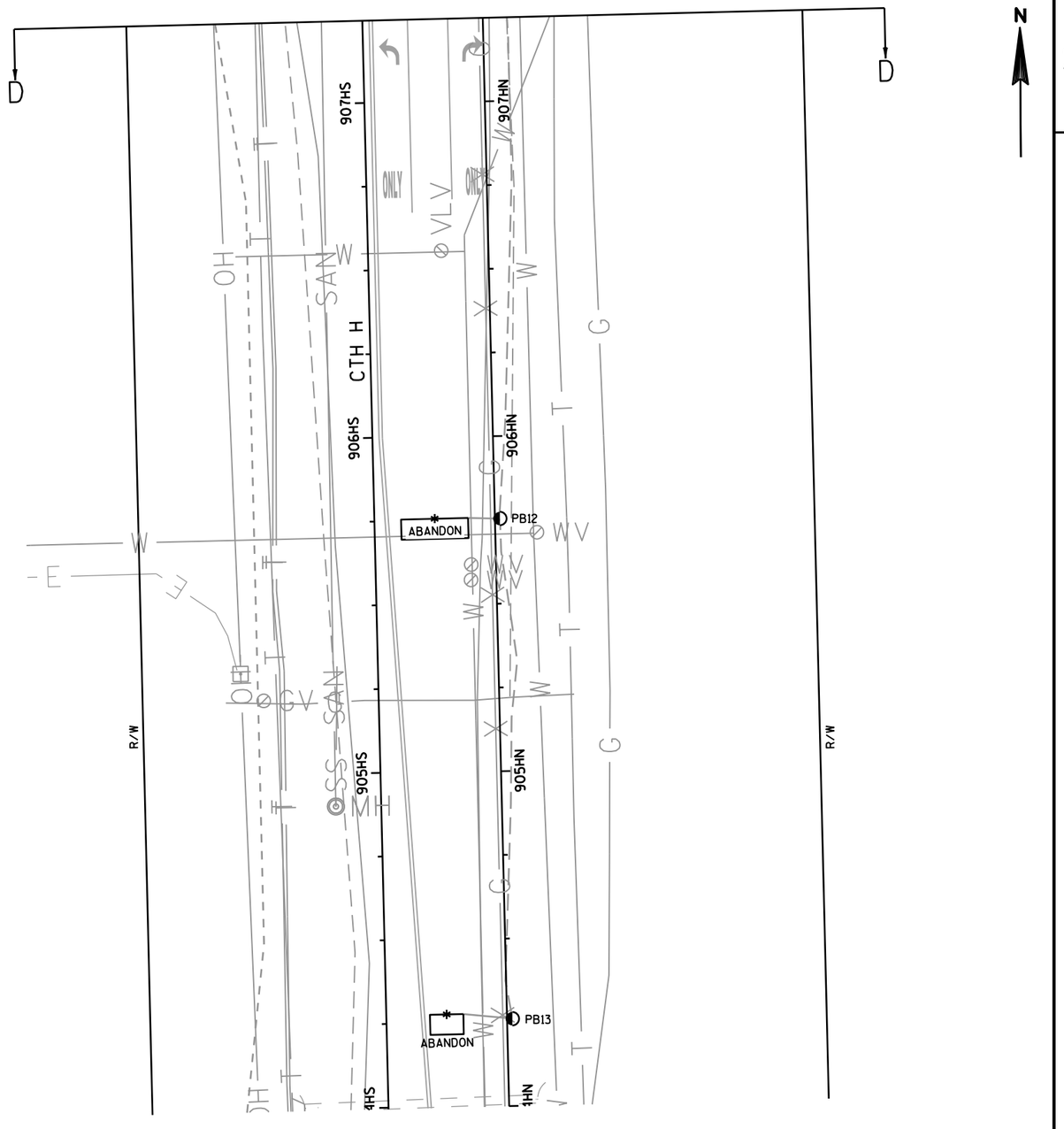
PAGE 2 OF 3

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 235	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2024 12:22:54 PM dgn PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42





TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 3 OF 3

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 236 E

LEGEND

- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) MONOTUBE BASE, POLE, 35'-45' ARM
- (XX) MONOTUBE BASE, POLE, 35'-55' ARM
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR CONDUIT 1" NONMETALLIC
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 24" X 42"
- PEDESTRIAN HEAD WITH PUSH BUTTON
- PUSH BUTTON
- YIELD SIGN

LEGEND (CON'T)

- EVP DESIGNATOR
- EVP DETECTOR HEAD
- CONFIRMATION LIGHT
- CONTROL CABINET
- TRAFFIC SIGNAL HEAD
- SIGNAL HEAD NUMBER
- WALK/DON'T WALK INDICATOR 16" (COUNTDOWN TIMER)
- RED CIRCULAR INDICATOR
- YELLOW CIRCULAR INDICATOR
- GREEN CIRCULAR INDICATOR
- RED ARROW
- YELLOW ARROW
- GREEN ARROW

NOTE: ALL LENSES ARE 12-INCH GRAYSHADE REPRESENTS EXISTING

N

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
4. ALL LUMINAIRES ARE LED CATEGORY C UNLESS OTHERWISE NOTED.
5. INSTALL CABINET BASE 6" ABOVE FINAL ROADWAY ELEVATION.
6. PROPOSED STORM SEWER, LIGHTING, DETECTABLE WARNING FIELDS AND COMMUNICATION ARE SHOWN GRAYSHADED FOR PLAN CLARITY.

STRUCTURE NUMBERS

SB3 = S-51-1324
SB7 = S-51-1325
SB11 = S-51-1326
SB16 = S-51-1327

EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH PROPOSED SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.

WISCONSIN
JASON R. MATSON
E-37111
WAUKESHA, WI
PROFESSIONAL ENGINEER
06/01/2019

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

CABINET TYPE: TS2-S
SIGNAL NO. S51-0501 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
Date 9/12/2019 REGION TRAFFIC ENGINEER

APPROVED
Date 9/12/19 STATE TRAFFIC ENGINEER

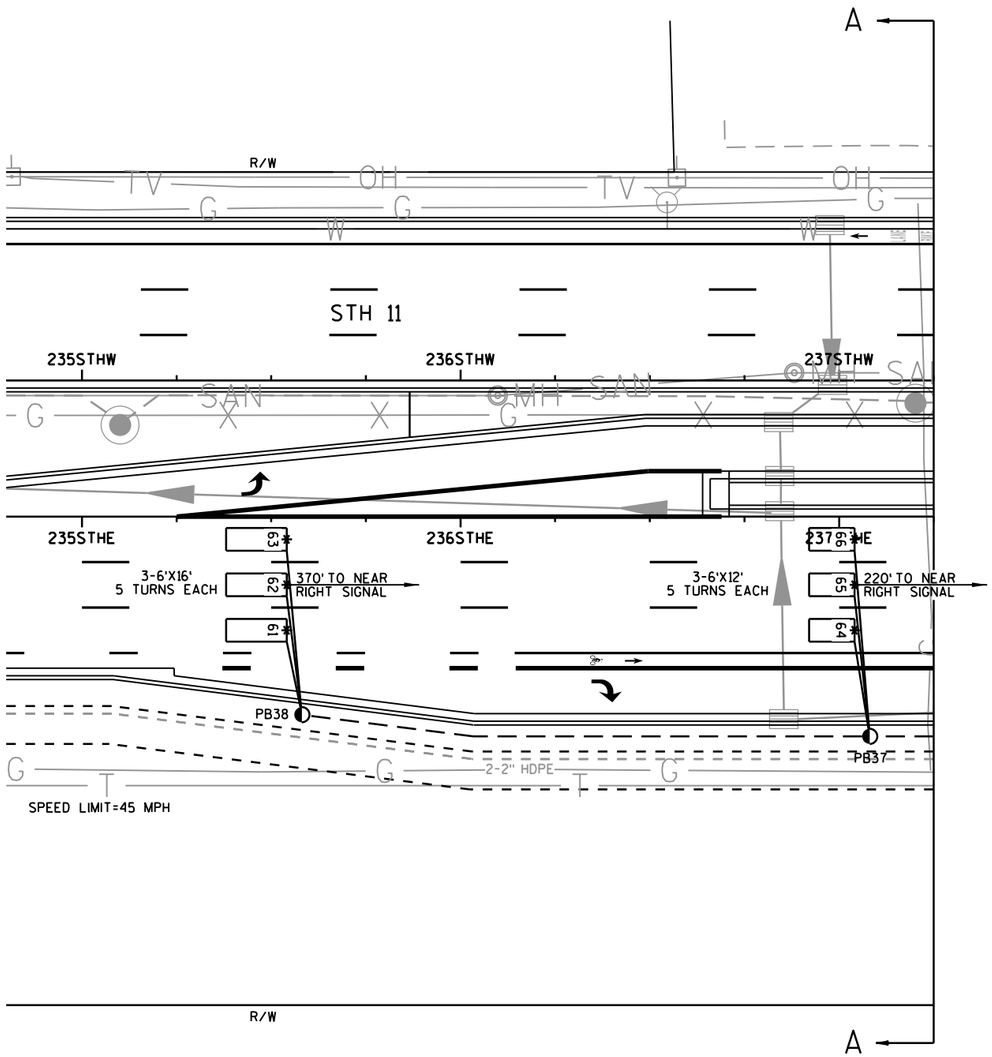
REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

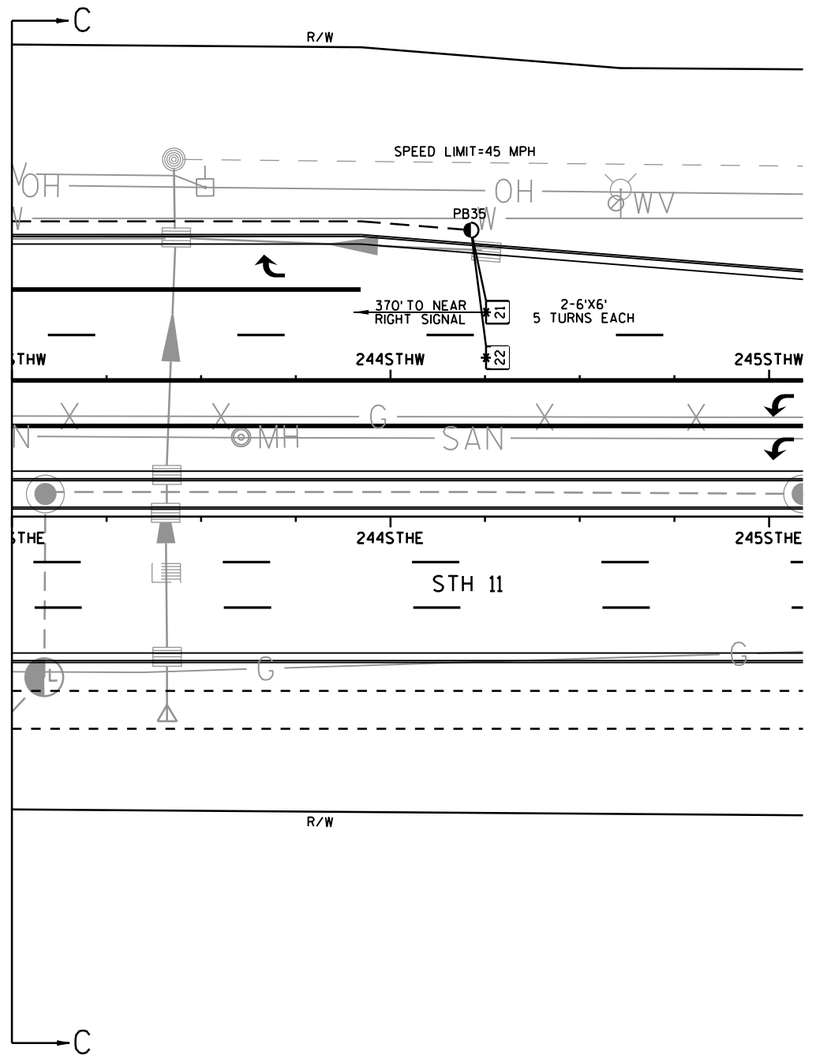
PAGE 1 OF 4

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 237 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 9/12/2019 PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1 WISDOT/CADDS SHEET 42

DTJ 9-12-19





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2

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

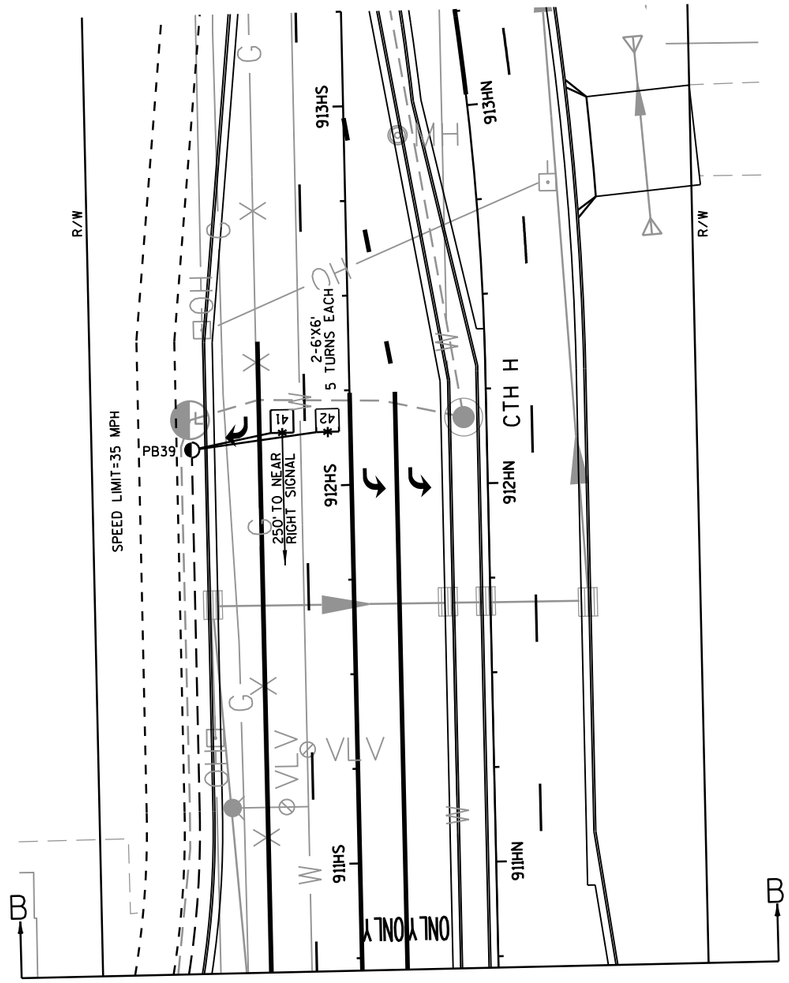
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DESIGNED BY: HNTB
REVISED BY:

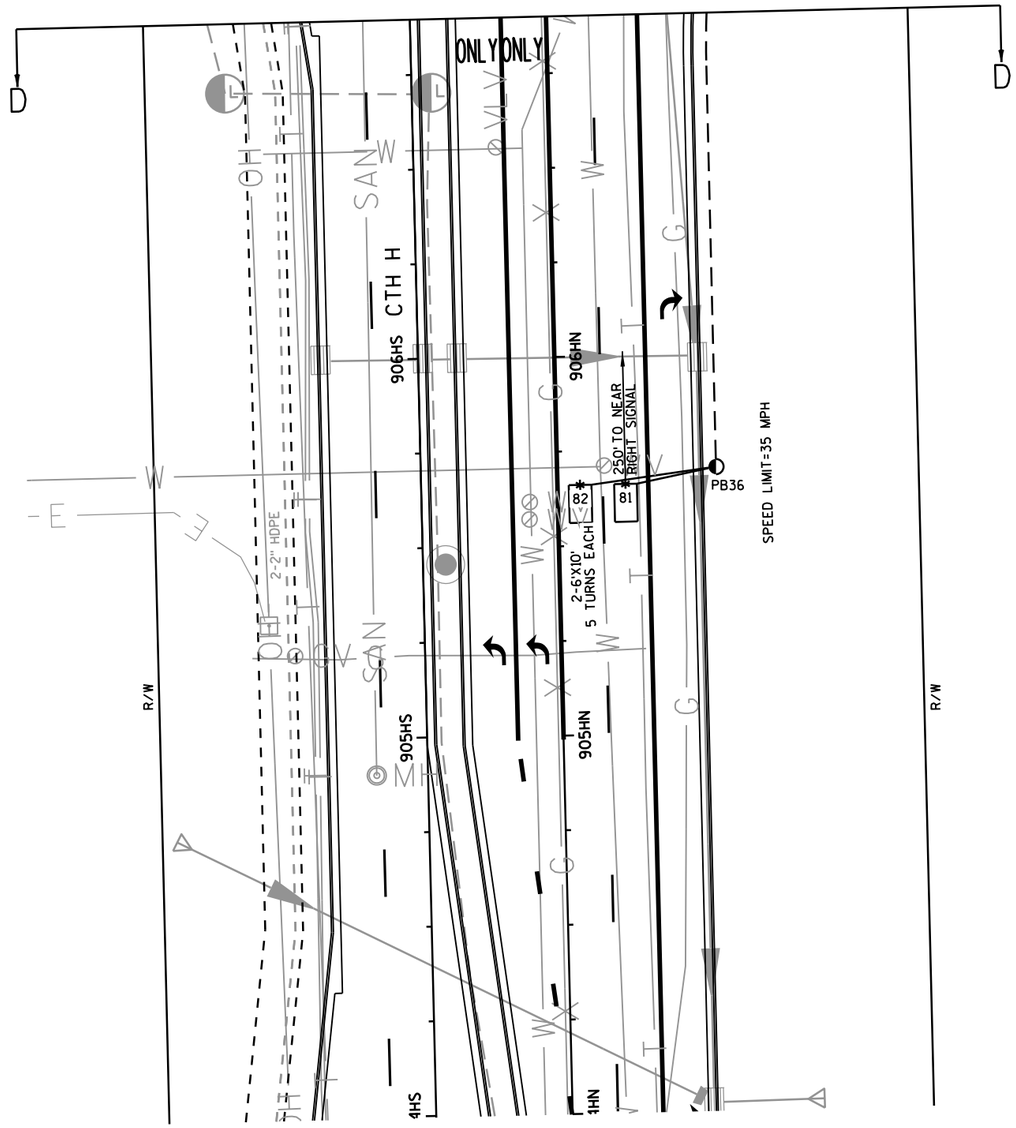
PAGE 2 OF 4

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 238	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2024 10:52:44 AM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42





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2

TRAFFIC CONTROL SIGNAL
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

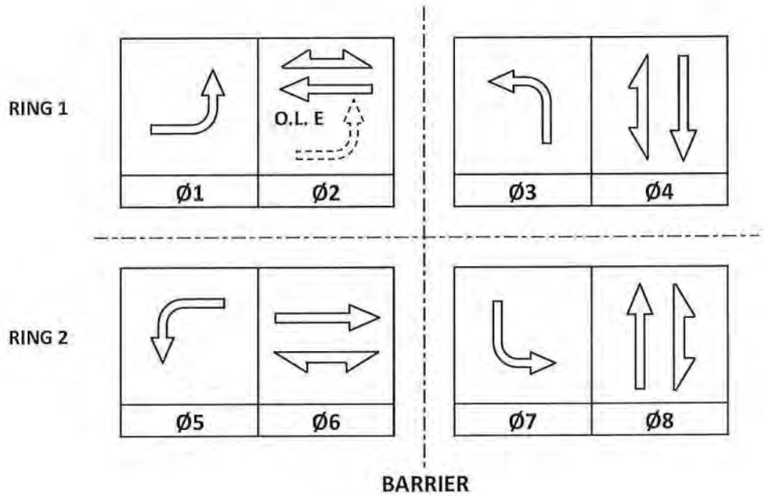
SIGNAL NO. S51-0501

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 3 OF 4

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 239	E

	HEAD NUMBERS	FLASH
Ø1	5,6,7	R ←
Ø2	8,9,10	R
Ø3	17,18,19	R ←
Ø4	20,21,22	R
Ø5	11,12,13	R ←
Ø6	1,2,3,4	R
Ø7	23,24,25	R ←
Ø8	14,15,16	R
Ø2P	28,29	
Ø4P	26,27	
Ø6P	32,33	
Ø8P	30,31	
OLE	5,6,7	-
OLF		
OLG		
OLH		



GENERAL NOTES:

1. PHASES 3 AND 7 ARE IN CONFLICT AND NOT ALLOWED TO TIME CONCURRENTLY.

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1		6		X
2	X	6	MIN	X
3		8		X
4		8		X
5		2		X
6	X	2	MIN	X
7		4		X
8		4		X

EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C	D
MOVEMENT				
PHASE	2+5	6+1	4+7	8+3

AFTER PREEMPTION SEQUENCE 2+5 OR 6+1, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+7 OR 8+3, CONTROLLER SHALL RETURN TO PHASES 4+8.

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	X
RADIO	
CELL MODEM	

TYPE OF COORDINATION	
NONE	X
TBC	
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	X
LIFT BRIDGE	
QUEUE DETECTION	

DETECTOR LOGIC

DETECTOR INPUT	3	1	7	5	11	9	15	13
PLAN LOOP DETECTOR*(S)	11	21	23	31	33	41	43	45
CALLED PHASE	1	2	2	3	3	4	4	4
CALL OPTION	X	X	X	X	X		X	X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME						X		
USE ADDED INITIAL		X	X					
CROSS SWITCH PHASE	2							

DETECTOR INPUT	4	2	8	6	12	10	16	14
PLAN LOOP DETECTOR*(S)	12	22	24	32	34	42	44	46
CALLED PHASE	1	2	2	3	3	4	4	4
CALL OPTION	X	X	X	X	X		X	X
DELAY TIME								
EXTENTION OPTION	X	X	X	X	X	X	X	X
EXTEND TIME						X		
USE ADDED INITIAL		X	X					
CROSS SWITCH PHASE	2							

19	17	23	21	27	25	31	29
51	53	61	63	65	71	73	81
5	5	6	6	6	7	7	8
X	X	X	X	X	X	X	
X	X	X	X	X	X	X	X
							X
		X	X	X			

20	18	24	22	28	26	32	30
52	54	62	64	66	72	74	82
5	5	6	6	6	7	7	8
X	X	X	X	X	X	X	
X	X	X	X	X	X	X	X
							X
		X	X	X			

35	33	39	37	43	41	47	45	DETECTOR INPUT
83	85	S1	S3	S5	S7	S9		PLAN LOOP DETECTOR*(S)
8	8							CALLED PHASE
X	X							CALL OPTION
								DELAY TIME
X	X							EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

36	34	40	38	44	42	48	46	DETECTOR INPUT
84	86	S2	S4	S6	S8	S10		PLAN LOOP DETECTOR*(S)
8	8							CALLED PHASE
X	X							CALL OPTION
								DELAY TIME
X	X							EXTENTION OPTION
								EXTEND TIME
								USE ADDED INITIAL
								CROSS SWITCH PHASE

DTW 9-12-19

JMG 9/12/2019

STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO: S51-0501 CABINET TYPE: TS2-S
CONTROLLER TYPE: ECONOLITE
DATE: 07/2019 PAGE NUMBER: 4 OF 4

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	SEQUENCE OF OPERATIONS	SHEET NO: E

FILE NAME: c:\caddlib\pw\matson\greatlakes\d0204416\TS2-S_E_FYA_EFGH_Econolite_SEQ.xlsx PLOT DATE: 8/1/2019 PLOT NAME: TS2-S_E_FYA_EFGH_Econ PLOT BY: _____ PLOT SCALE: 1:1

PROJECT ID:	3760-00-71
INTERSECTION:	STH 11 & CTH H

SIGNAL WIRE COLOR CODING	BLK-BLACK	RED-RED	GRN-GREEN
	WHT-WHITE	BLU-BLUE	ORG-ORANGE

CB1 TO	NO. OF CONDUCTORS	HEAD NO.	RED	YELLOW	GREEN	<RED>	<YELLOW>	<GREEN>	FLASHING <YELLOW>	D/WALK	WALK	PED BUTTON	OTHER
SB2	12	6				RED	ORG	GRN	BLK/WHT				
		8	RED/BLK	ORG/BLK	GRN/BLK								
		30								BLK	BLU		
		B										WHT/BLK	
SB3	12	15	RED	ORG	GRN								
		16	RED	ORG	GRN								
		18				RED/BLK	ORG/BLK	GRN/BLK					
		19				RED/BLK	ORG/BLK	GRN/BLK					
		29								BLK	BLU		
		B										WHT/BLK	
SB4	12	7				RED	ORG	GRN	BLK/WHT				
		11				RED/BLK	ORG/BLK	GRN/BLK					
SB6	12	14	RED	ORG	GRN								
		32								BLK	BLU		
		B										WHT/BLK	
SB7	12	2	RED	ORG	GRN								
		3	RED	ORG	GRN								
		4	RED	ORG	GRN								
		31								BLK	BLU		
		B										WHT/BLK	
SB8	7	17				RED	ORG	GRN					
SB10	12	1	RED	ORG	GRN								
		26								BLK	BLU		
		B										WHT/BLK	
SB11	12	21	RED	ORG	GRN								
		22	RED	ORG	GRN								
		24				RED/BLK	ORG/BLK	GRN/BLK					
		25				RED/BLK	ORG/BLK	GRN/BLK					
		33								BLK	BLU		
		B										WHT/BLK	
SB12	7	B										WHT/BLK	
SB13	12	5				RED	ORG	GRN	BLK/WHT				
SB15	12	20	RED	ORG	GRN								
		28								BLK	BLU		
		B										WHT/BLK	
SB16	12	9	RED	ORG	GRN								
		10	RED	ORG	GRN								
		12				RED/BLK	ORG/BLK	GRN/BLK					
		13				RED/BLK	ORG/BLK	GRN/BLK					
		27								BLK	BLU		
		B										WHT/BLK	
SB17	7	23				RED	ORG	GRN					

NOTES: USE WHITE CONDUCTOR IN THE SIGNAL CABLE AS THE GROUNDED CONDUCTOR FOR ALL TRAFFIC SIGNAL INDICATIONS.
ENSURE THE GROUNDED CONDUCTOR IN THE FEEDER CABLE AND THE POLE CABLES ARE BOTH 18" LONGER THAN THE UNGROUNDED CONDUCTORS.
AT THE SIGNAL BASES, CONNECT ONE TERMINAL FROM THE PEDESTRIAN PUSH BUTTONS TO THE COLOR INDICATED IN THE CHART. CONNECT THE OTHER TERMINAL TO THE GROUNDED CONDUCTOR.

(CONTINUED ON NEXT SHEET)

WISCONSIN PROFESSIONAL ENGINEER
JASON R. MATSON
E-37111
WAUKESHA, WI
08/01/2019

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	CABLE ROUTING	SHEET: 241	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H-North_Leg\t1\cds\024020_sp_cr.ppt
PLOT DATE : 8/1/2019 1:55:12 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr#) PLOT SCALE : 1:1

(CONTINUED)

EQUIPMENT GROUNDING CONDUCTOR 10 AWG GRN XLP	
FROM	TO
CB1	SB1
SB1	SB2
SB2	SB3
SB3	SB4
SB4	SB5
SB5	SB6
SB6	SB7
SB7	SB8
SB8	SB9
SB9	SB10
SB10	SB11
SB11	SB12
SB12	SB13
SB13	SB14
SB14	SB15
SB15	SB16
SB16	SB17
SB17	CB1

LIGHTING UF 10 AWG W/ GROUND	
FROM	TO
CB1	SB1
SB1	SB4
SB4	SB5
SB5	SB8
CB1	SB17
SB17	SB14
SB14	SB13
SB13	SB9

PULL BOX BONDING JUMPER 10 AWG GRN XLP	
FROM	TO
PB1	CB1
PB2	CB1
PB3	SB3
PB4	SB4
PB5	SB4
PB6	SB5
PB8	SB5
PB9	SB7
PB11	SB5
PB12	SB8
PB13	SB8
PB14	SB9
PB16	SB9
PB17	SB11
PB18	SB9
PB19	SB12
PB20	SB12
PB21	SB13
PB22	SB13
PB23	SB14
PB25	SB14
PB26	SB16
PB28	SB14
PB29	SB17
PB30	SB17
PB31	CB1
PB33	CB1

EMERGENCY VEHICLE PREEMPTION	
FROM	TO
CB1	SB3 (HEAD D)
CB1	SB7 (HEAD B)
CB1	SB11 (HEAD C)
CB1	SB16 (HEAD A)

CONFIRMATION BEACON CABLE TRAFFIC SIGNAL 3-14 AWG	
FROM	TO
CB1	SB3 (HEAD D)
CB1	SB7 (HEAD B)
CB1	SB11 (HEAD C)
CB1	SB16 (HEAD A)

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H-North_Leg\t1\cds\024020_sp_cr.ppt

PLOT DATE : 8/1/2019 1:55:12 PM PLOT BY : HNTB PLOT NAME : 024020_sp_cr<#> PLOT SCALE : 1:1

CONSTRUCTION NOTES:
1. EXISTING CONDUIT RUNS TO BE ABANDONED IN PLACE. CONTRACTOR TO REMOVE ANY CONDUCTORS REMAINING IN THE CONDUIT.
2. ABANDONED LOOP DETECTOR CONDUIT TO REMAIN IN PLACE. LOOP DETECTOR WIRE AND LEAD-IN CABLE TO BE REMOVED BY THE CONTRACTOR.
3. CABINET AND CONTROLLER SHALL BE REMOVED BY WISDOT ELECTRICAL PERSONNEL.
4. THE LOCATIONS OF EXISTING UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
5. GRAYSHADE REPRESENTS EXISTING.
BOLD REPRESENTS ITEMS TO BE REMOVED.

N

LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX, 24" X 36"
- PULL BOX, 18" X 24"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- (R) RED CIRCULAR INDICATOR
- (Y) YELLOW CIRCULAR INDICATOR
- (G) GREEN CIRCULAR INDICATOR

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

TRAFFIC CONTROL SIGNAL
STH 11 & WILLOW RD/BUCYRUS ERIE ENT.
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0216

REGION CONTACT: M. COWAP
DESIGNED BY: S. WAGNER
REVISED BY:

PAGE 1 OF 3

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 243	E

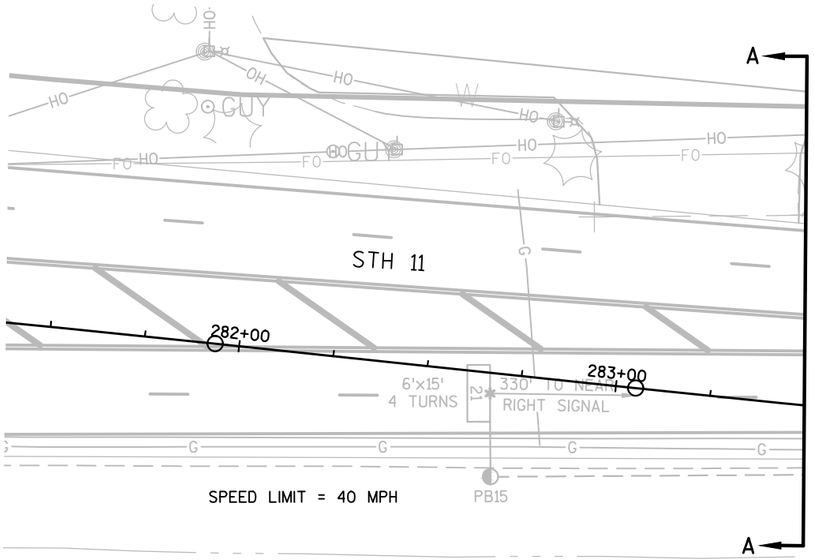
FILE NAME : N:\PDS\C3D\CAD\13202374\SIG\S51-0216\S51-0216_RM_14-16.DWG
LAYOUT NAME - S51-0216_RM_PG1

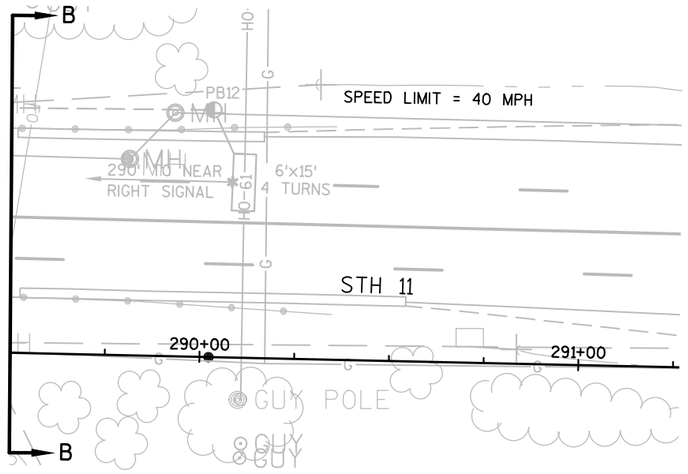
PLOT DATE : 4/15/2019 12:42 PM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1" = 40'

WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
STH 11 & WILLOW RD/BUCYRUS ERIE ENT.
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0216

REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: S. WAGNER

PAGE 2 OF 3

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL REMOVAL PLAN	SHEET 244	E

FILE NAME : N:\PDS\C3D\CAD\13202374\SIG\S51-0216\S51-0216_RM_14-16.DWG
LAYOUT NAME - S51-0216_RM_PG2

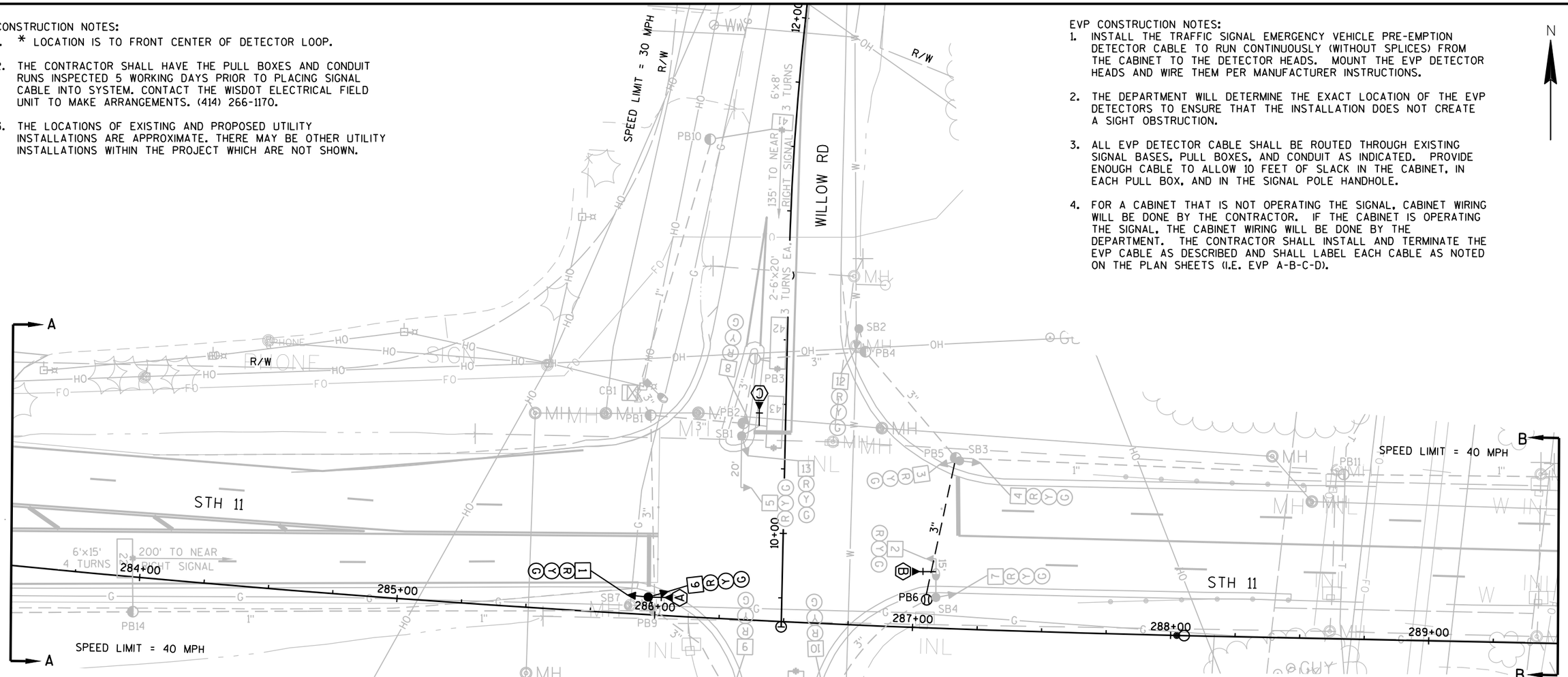
PLOT DATE : 4/15/2019 12:42 PM PLOT BY : WAGNER, SCOTT H PLOT NAME : PLOT SCALE : 1" = 40'

CONSTRUCTION NOTES:

1. * LOCATION IS TO FRONT CENTER OF DETECTOR LOOP.
2. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING SIGNAL CABLE INTO SYSTEM. CONTACT THE WISDOT ELECTRICAL FIELD UNIT TO MAKE ARRANGEMENTS. (414) 266-1170.
3. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

EVP CONSTRUCTION NOTES:

1. INSTALL THE TRAFFIC SIGNAL EMERGENCY VEHICLE PRE-EMPTION DETECTOR CABLE TO RUN CONTINUOUSLY (WITHOUT SPLICES) FROM THE CABINET TO THE DETECTOR HEADS. MOUNT THE EVP DETECTOR HEADS AND WIRE THEM PER MANUFACTURER INSTRUCTIONS.
2. THE DEPARTMENT WILL DETERMINE THE EXACT LOCATION OF THE EVP DETECTORS TO ENSURE THAT THE INSTALLATION DOES NOT CREATE A SIGHT OBSTRUCTION.
3. ALL EVP DETECTOR CABLE SHALL BE ROUTED THROUGH EXISTING SIGNAL BASES, PULL BOXES, AND CONDUIT AS INDICATED. PROVIDE ENOUGH CABLE TO ALLOW 10 FEET OF SLACK IN THE CABINET, IN EACH PULL BOX, AND IN THE SIGNAL POLE HANDHOLE.
4. FOR A CABINET THAT IS NOT OPERATING THE SIGNAL, CABINET WIRING WILL BE DONE BY THE CONTRACTOR. IF THE CABINET IS OPERATING THE SIGNAL, THE CABINET WIRING WILL BE DONE BY THE DEPARTMENT. THE CONTRACTOR SHALL INSTALL AND TERMINATE THE EVP CABLE AS DESCRIBED AND SHALL LABEL EACH CABLE AS NOTED ON THE PLAN SHEETS (I.E. EVP A-B-C-D).



LEGEND

- CONTROL CABINET
- NONMETALLIC CONDUIT 2", UNLESS OTHERWISE NOTED
- LOOP DETECTOR CONDUIT, 1" NONMETALLIC
- SIGNAL HEAD, TRAFFIC SIGNAL STANDARD, PEDESTAL BASE
- (XX) SIGNAL HEAD, TRAFFIC SIGNAL POLE, TRANSFORMER BASE
- LUMINAIRE, TRAFFIC POLE, TRANSFORMER BASE
- LOOP DETECTOR IN 1" NONMETALLIC CONDUIT
- PULL BOX 24" X 42"
- PULL BOX, 24" X 36"
- PULL BOX, 18" X 24"
- PULL BOX, 12" X 24"
- XX SIGNAL HEAD NUMBER
- R RED CIRCULAR INDICATOR
- Y YELLOW CIRCULAR INDICATOR
- G GREEN CIRCULAR INDICATOR
- X EVP DESIGNATOR
- EVP DETECTOR HEAD

NOTE: ALL LENSES ARE 12-INCH
GRAYSHADE REPRESENTS EXISTING

REVISION				
REV. NO.	SB7 CHANGED TO A 30' POLE ON TYPE 5 BASE; EVP HEAD A MOVED TO SB7; CONDUIT RING COMPLETED FROM SB3 TO SB4			
	APPROVAL RECOMMENDED		APPROVED	
5	REGION		CENTRAL OFFICE	
	DATE	BY	DATE	BY
	4-15-19	DAB	4-18-19	JR

ADD LOOP DETECTORS 21 & 22; INSTALL CELL MODEM; CHANGE CONTROLLER 3/26/18
CHANGE CABINET & CONTROLLER TO EPAC; ADD LIGHTING TO SB1 & SB4
INSTALL NEW CONTROLLER 5/12/95
STOP LINE DETECTION SOUTHBOUND 12/13/88
INITIAL INSTALL 8/11/77

TRAFFIC CONTROL SIGNAL
STH 11 & WILLOW RD/BUCYRUS ERIE ENT
VILAGE OF STURTEVANT
RACINE COUNTY
CABINET TYPE: TS1
SIGNAL NO. S51-0216 CONTROLLER TYPE: ECONOLITE

WISCONSIN DEPARTMENT OF TRANSPORTATION

APPROVAL RECOMMENDED
DATE 1/12/77 — DONALD H. JORGENSON, REGION TRAFFIC ENGINEER

APPROVED
DATE 2/17/77 — WAYNE N. VOLT, STATE TRAFFIC ENGINEER

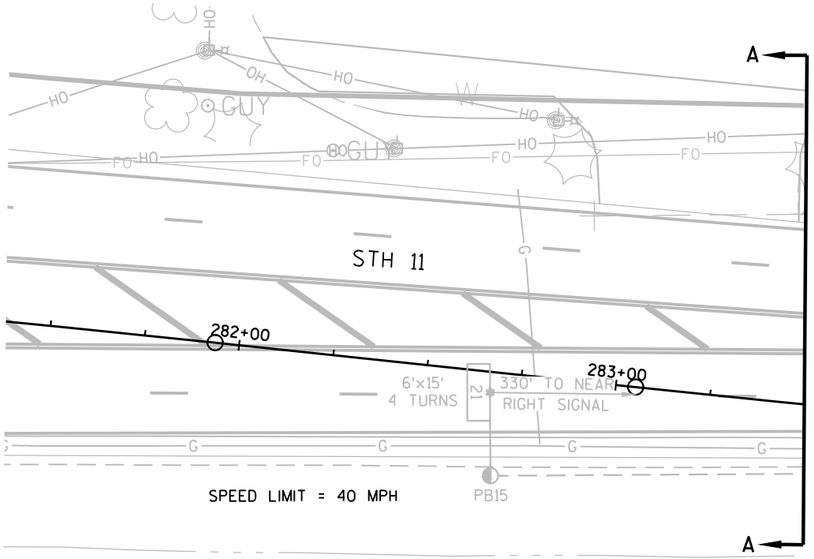
REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: S. WAGNER

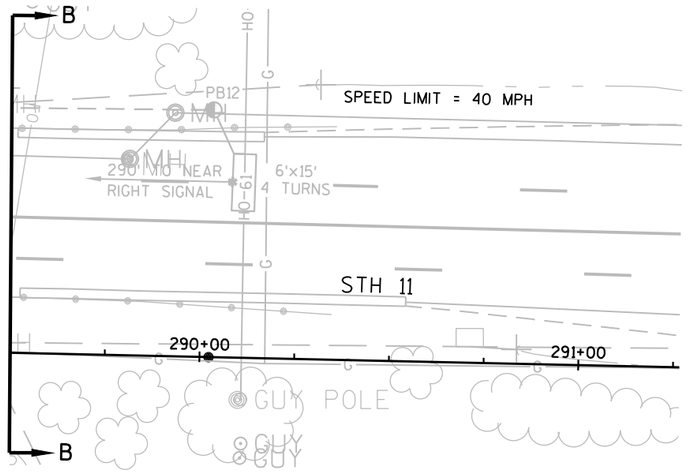
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 245 E

FILE NAME : N:\PDS\C3D\CAD\13202374\SIG\S51-0216\S51-0216_R5_14-16.DWG
LAYOUT NAME - S51-0216_R5_PG1
PLOT DATE : 4/22/2019 7:51 AM PLOT BY : VANDE LEEST, CYNTHIAPLOT NAME : PLOT SCALE : 1" = 40'
WISDOT/CADDS SHEET 42

2

N





TRAFFIC CONTROL SIGNAL
STH 11 & WILLOW RD/BUCYRUS ERIE ENT.
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0216

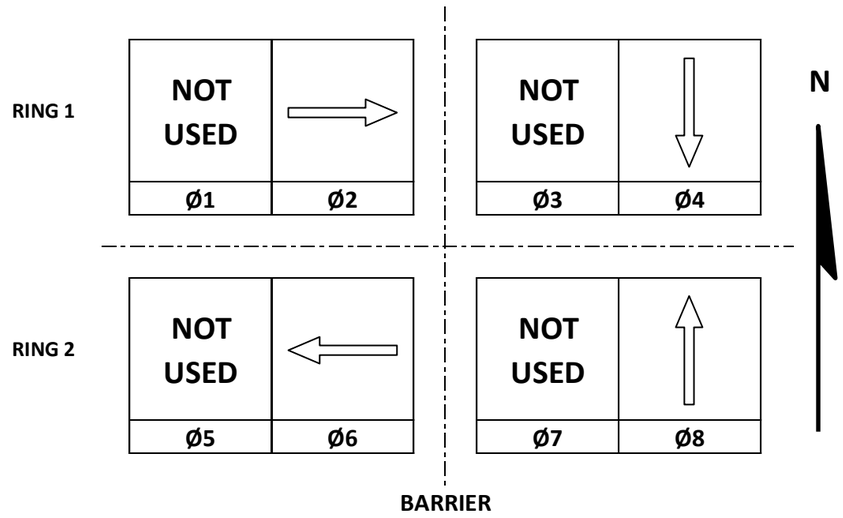
REGION CONTACT: M. COWAP
DESIGNED BY:
REVISED BY: S. WAGNER

PAGE 2 OF 3

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC SIGNAL PLAN	SHEET 246	E

FILE NAME : N:\PDS\C3D\CAD\13202374\SIG\S51-0216\S51-0216_R5_14-16.DWG
LAYOUT NAME - S51-0216_R5_PG2
PLOT DATE : 4/22/2019 7:52 AM
PLOT BY : VANDE LEEST, CYNTHIA
PLOT NAME :
PLOT SCALE : 1" = 40'
WISDOT/CADDS SHEET 42

	HEAD NUMBERS	FLASH
Ø1		
Ø2	1,2,3	R
Ø3		
Ø4	8,9,10	R
Ø5		
Ø6	4,5,6,7	R
Ø7		
Ø8	11,12,13	R
Ø2P		
Ø4P		
Ø6P		
Ø8P		
OLA		
OLB		
OLC		
OLD		



DETECTOR LOGIC

DETECTOR NUMBER	AMPLIFIER CHANNEL	DETECTOR OPERATION			PHASE CALLED	PHASE EXTENDED	DETECTOR DISCONNECT PHASE	CALLING DELAY	EXTENSION STRETCH	SIZE	NUMBER OF TURNS
		CALLS AND EXTENDS	CALLS ONLY	EXTENDS ONLY							
21	1	X			2	2				6'X15'	4
22	1	X			2	2				6'X15'	4
41	2			X		4			X	6'X8'	3
42	3	X			4	4		X		6'X20'	3
43	3	X			4	4		X		6'X20'	3
61	4	X			6	6				6'X15'	4
81	5	X			8	8		X		6'X20'	3
82	6	X			8	8		X		6'X20'	3

CONTROLLER LOGIC

PHASE NUMBER	PHASE LOCKING	DUAL ENTRY W / Ø	PHASE RECALL	PHASE ACTIVE
1				
2	X	6	MIN	X
3				
4		8		X
5				
6	X	2	MIN	X
7				
8		4		X

TYPE OF INTERCONNECT/COMMUNICATION	
NONE	
CLOSED LOOP	
TWISTED PAIR	
FIBER OPTIC*	
FIBER OPTIC (ETHERNET)	
RADIO	
CELL MODEM	X

TYPE OF COORDINATION	
NONE	
TBC	X
TRAFFIC RESPONSIVE	
ADAPTIVE	
*LOCATION OF MASTER CONTROLLER NO:	S-
SIGNAL SYSTEM NO:	SS-

TYPE OF LIGHTING	
BY OTHER AGENCY	X
IN TRAFFIC CABINET	X
IN SEPARATE DOT LIGHTING CABINET	

TYPE OF PRE-EMPT	
NONE	
RAILROAD	
EMERGENCY VEHICLE	X
GTT	
TOMAR	X
HARDWIRE	
OTHER	
CONFIRMATION LIGHTS	
LIFT BRIDGE	
QUEUE DETECTION	

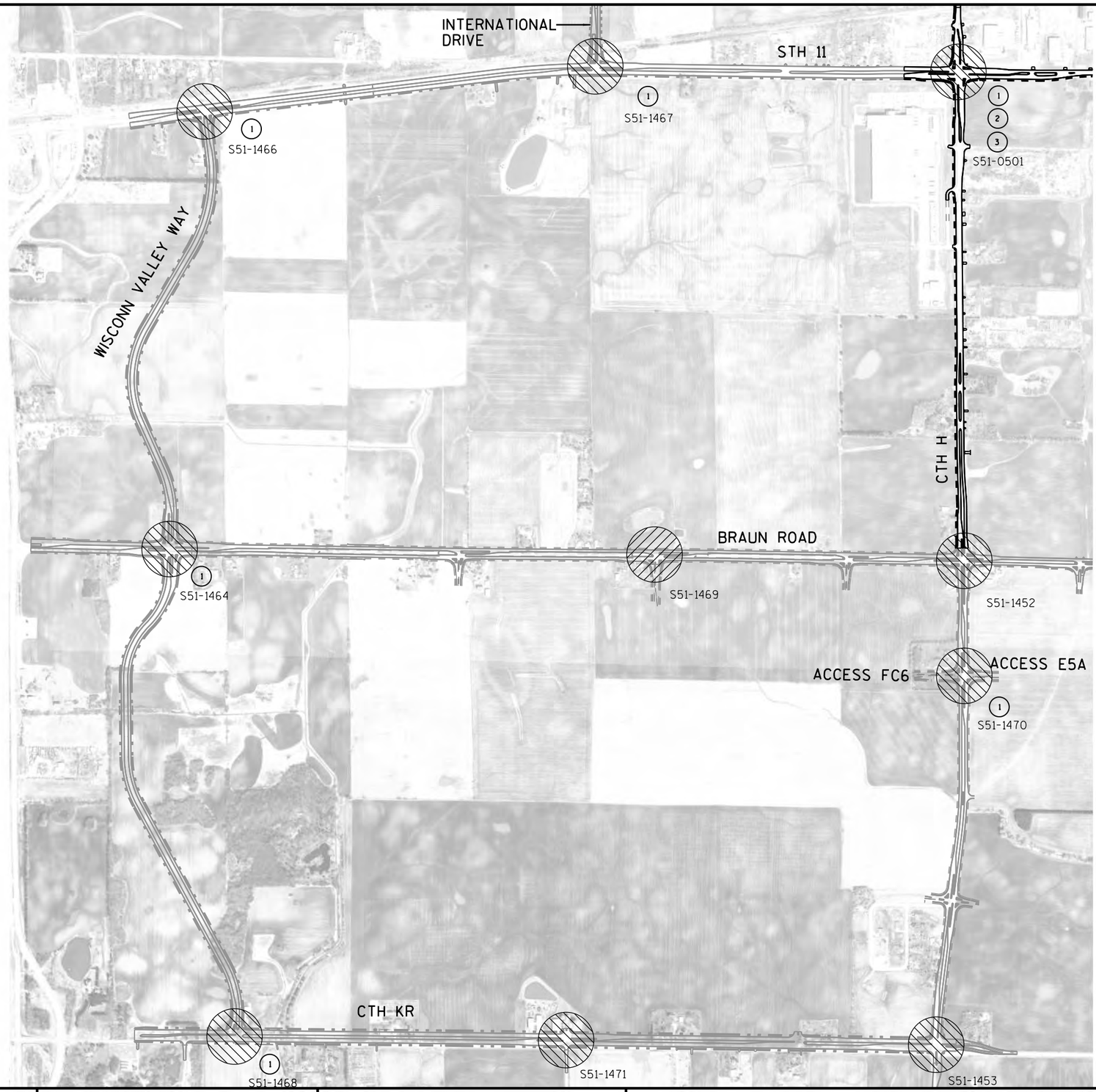
EMERGENCY VEHICLE PREEMPTION SEQUENCE

EMERGENCY VEHICLE PREEMPTOR	A	B	C
MOVEMENT	← →	← →	↓ ↑
PHASE	2+6	6+2	4+8

AFTER PREEMPTION SEQUENCE 2+6 OR 6+2, CONTROLLER SHALL RETURN TO PHASES 2+6.
AFTER PREEMPTION SEQUENCE 4+8 CONTROLLER SHALL RETURN TO PHASES 4+8.

STH 11 & WILLOW RD/BUCYRUS ERIE ENT
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO: S51-0216 CABINET TYPE: TS1
CONTROLLER TYPE: ECONOLITE
DATE: MAY 2019 PAGE NUMBER: 3 OF 3



N

2

LEGEND

TRAFFIC SIGNAL

xxx-xxxx

1. INSTALL PRE-TERMINATED PATCH PANEL IN TRAFFIC SIGNAL CABINET AND 8-CT SINGLE MODE FIBER OPTIC PIGTAIL IN CONDUIT
2. INSTALL UNDERGROUND INFRASTRUCTURE
3. WISDOT TO INSTALL ETHERNET SWITCH IN TRAFFIC SIGNAL CABINET

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PROJECT OVERVIEW	SHEET 248	E

2

TRAFFIC SIGNAL CABINET, CB1 (S51-0501)

SIGNAL CONTROLLER

MMU

BIU

LOAD SWITCHES

S D L C B U S

E-NET SWITCH

10/100

10/100

Blu Or

Gr Br

Sl Wh

Re Bla

CCTV-51-0232



LEGEND

- CAT 5E PATCH CORD
- SM FIBER JUMPER
- SM FIBER OPTIC CABLE (# STRANDS) — 72
- FIBER PATCH PANEL
- FUSION SPLICE (EXISTING / PROPOSED)

8

COMMUNICATIONS VAULT (CV908)

FIBER OPTIC SPLICE CLOSURE

BLUE TUBE

BLUE
ORANGE
GREEN
BROWN
SLATE
WHITE
RED
BLACK

BLUE TUBE

ORANGE TUBE

BLUE
ORANGE
GREEN
BROWN
SLATE
WHITE
RED
BLACK
YELLOW
VIOLET
ROSE
AQUA

ORANGE TUBE

GREEN TUBE

BROWN TUBE

SLATE TUBE

WHITE TUBE

SOUTH ON CTH H

72

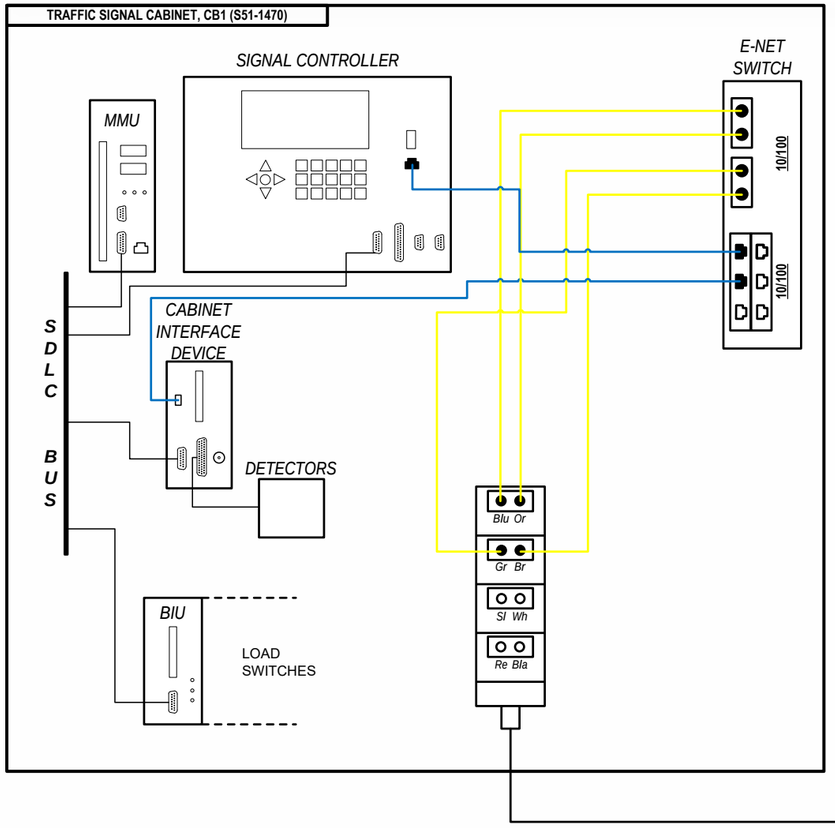
72

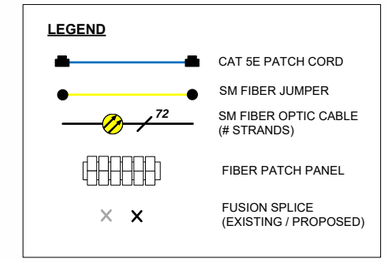
WEST ON STH 11

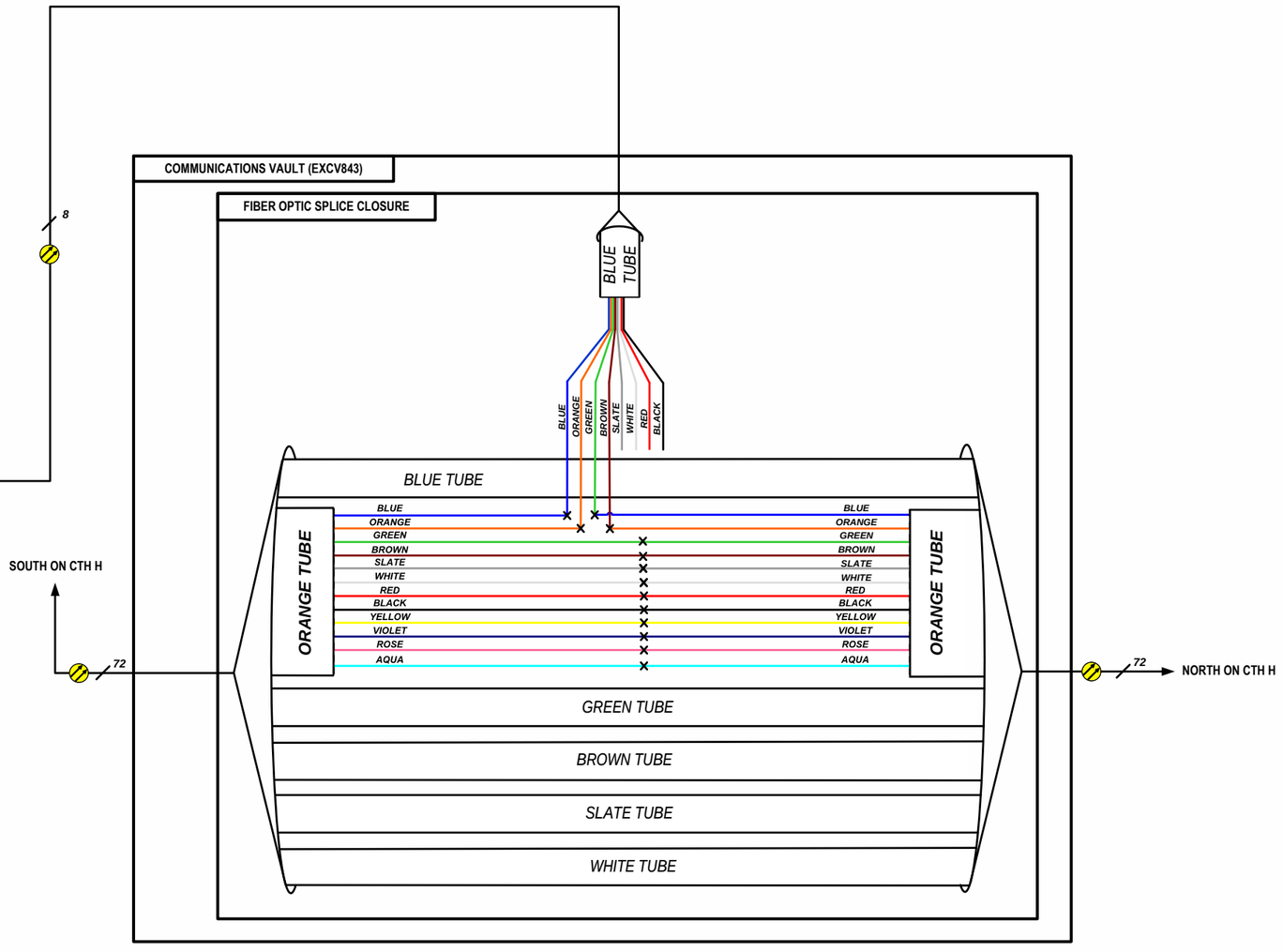
NOTES:

1. DASHED LINES INDICATE EXISTING ITEMS.
2. ADDITIONAL SPLICES ARE INCLUDED IN THE ITS PLANS.
3. SEE ITS PLANS FOR FIBER CABLE ROUTE.

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN DIAGRAM (STH 11 AND CTH H)	SHEET: E



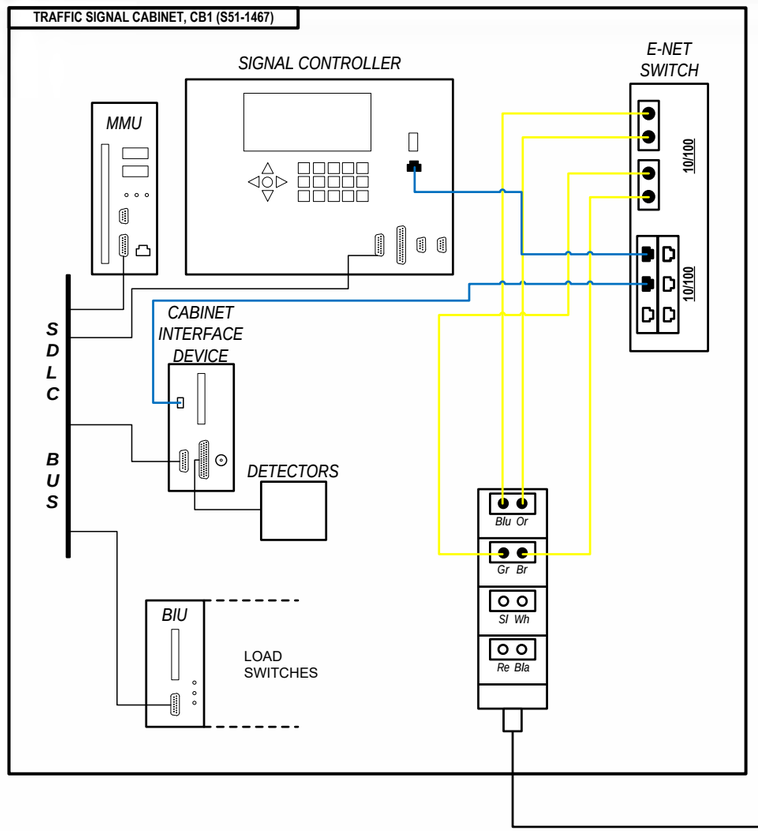


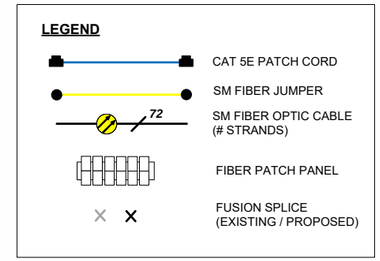


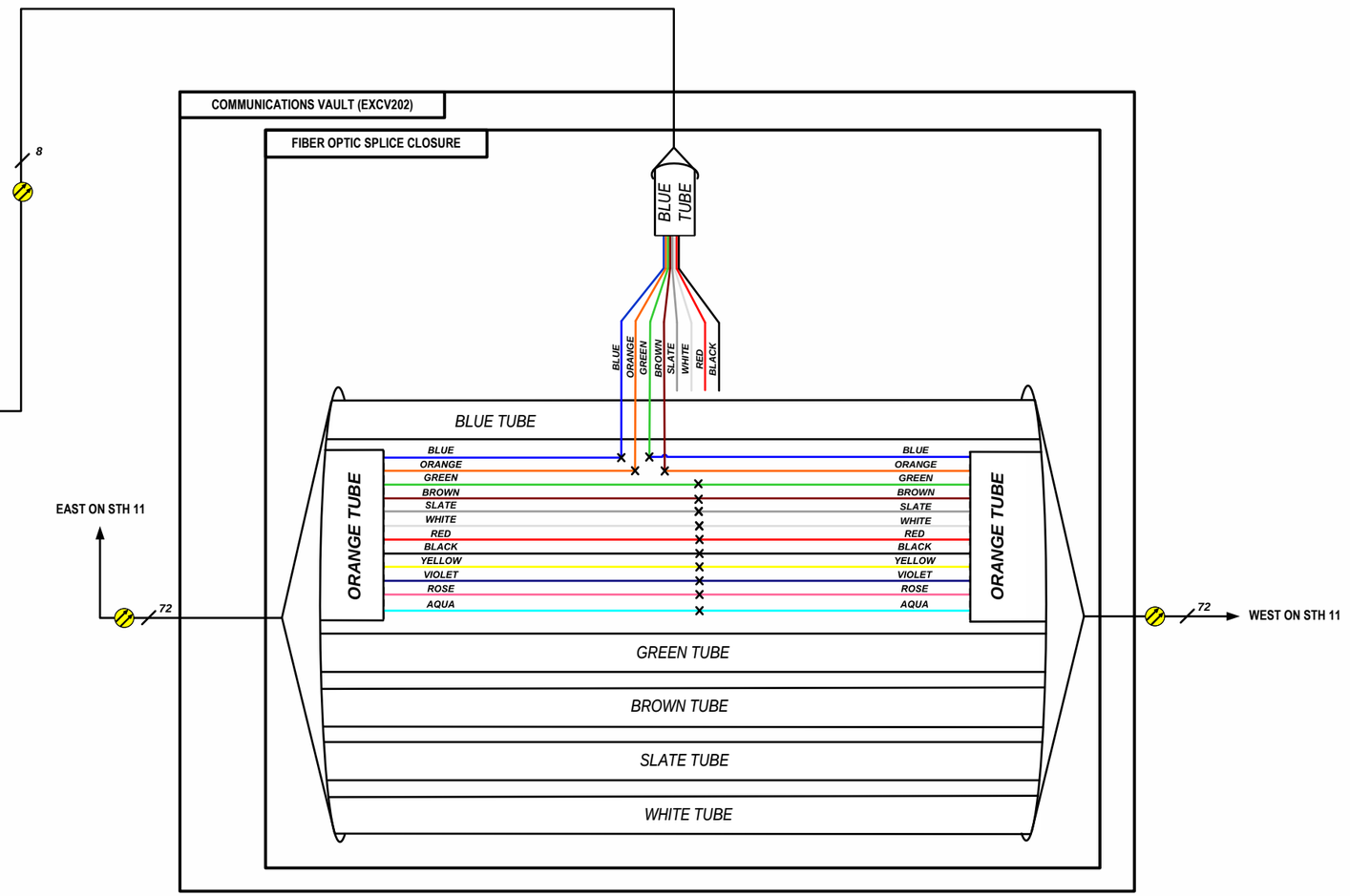
NOTES:

1. DASHED LINES INDICATE EXISTING ITEMS.
2. ADDITIONAL SPLICES ARE INCLUDED IN THE ITS PLANS.
3. SEE ITS PLANS FOR FIBER CABLE ROUTE.

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN DIAGRAM (CTH H AND ACCESS FC6 / ACCESS E5A)	SHEET: E





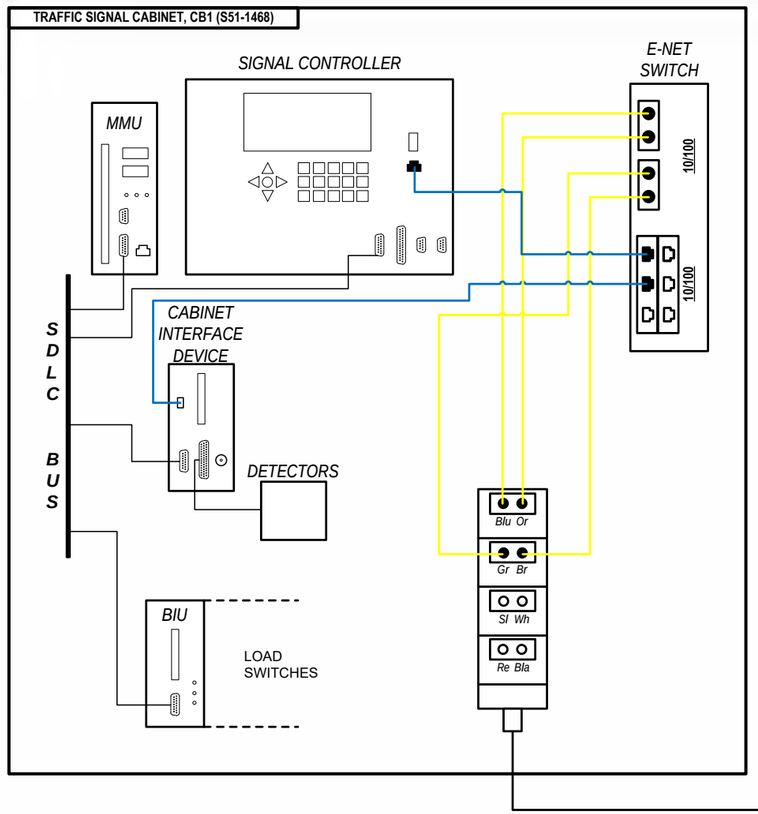


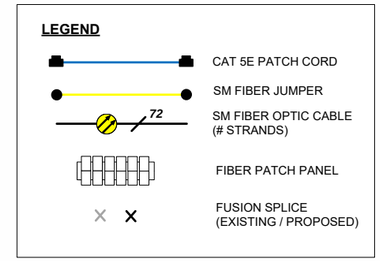
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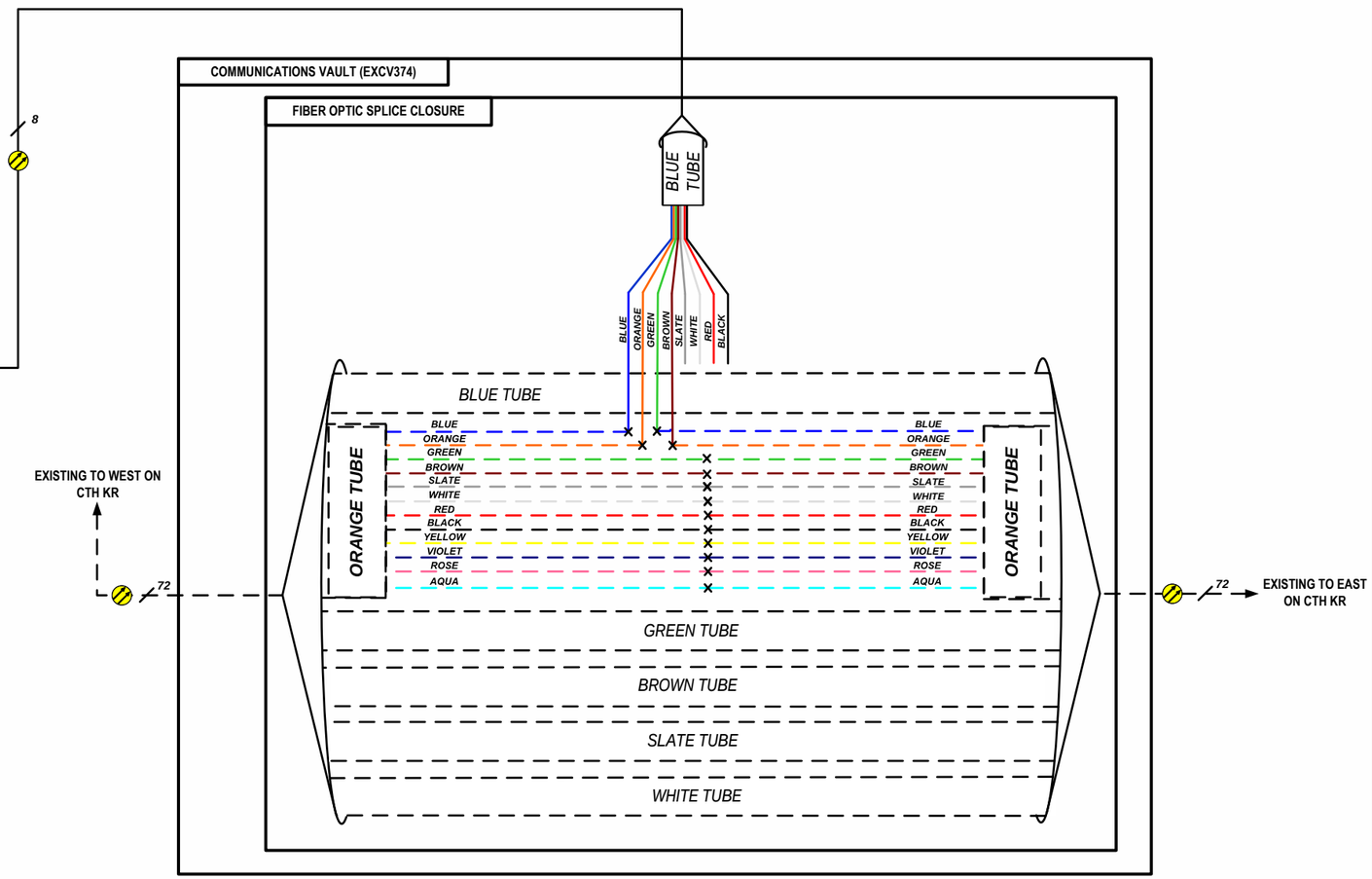
1. DASHED LINES INDICATE EXISTING ITEMS.
2. ADDITIONAL SPLICES ARE INCLUDED IN THE ITS PLANS.
3. SEE ITS PLANS FOR FIBER CABLE ROUTE.

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN DIAGRAM (STH 11 AND INTERNATIONAL DRIVE)	SHEET: E

2







NOTES:

1. DASHED LINES INDICATE EXISTING ITEMS.
2. ADDITIONAL SPLICES ARE INCLUDED IN THE ITS PLANS.
3. SEE ITS PLANS FOR FIBER CABLE ROUTE.

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN DIAGRAM (CTH KR AND WCVW)	SHEET:	E

2

TRAFFIC SIGNAL CABINET, CB1 (S51-1464)

SIGNAL CONTROLLER

MMU

E-NET SWITCH

10/100

10/100

SDLC BUS

CABINET INTERFACE DEVICE

DETECTORS

BIU

LOAD SWITCHES

Blu Or

Gr Br

Sl Wh

Re Bla

8

COMMUNICATIONS VAULT (EXCV558)

FIBER OPTIC SPLICE CLOSURE

BLUE TUBE

BLUE
ORANGE
GREEN
BROWN
SLATE
WHITE
RED
BLACK

BLUE TUBE

ORANGE TUBE

BLUE
ORANGE
GREEN
BROWN
SLATE
WHITE
RED
BLACK
YELLOW
VIOLET
ROSE
AQUA

ORANGE TUBE

GREEN TUBE

BROWN TUBE

SLATE TUBE

WHITE TUBE

EXISTING TO SOUTH ON WISCONN VALLY WAY

72

72

EXISTING TO NORTH ON WISCONN VALLEY WAY

LEGEND

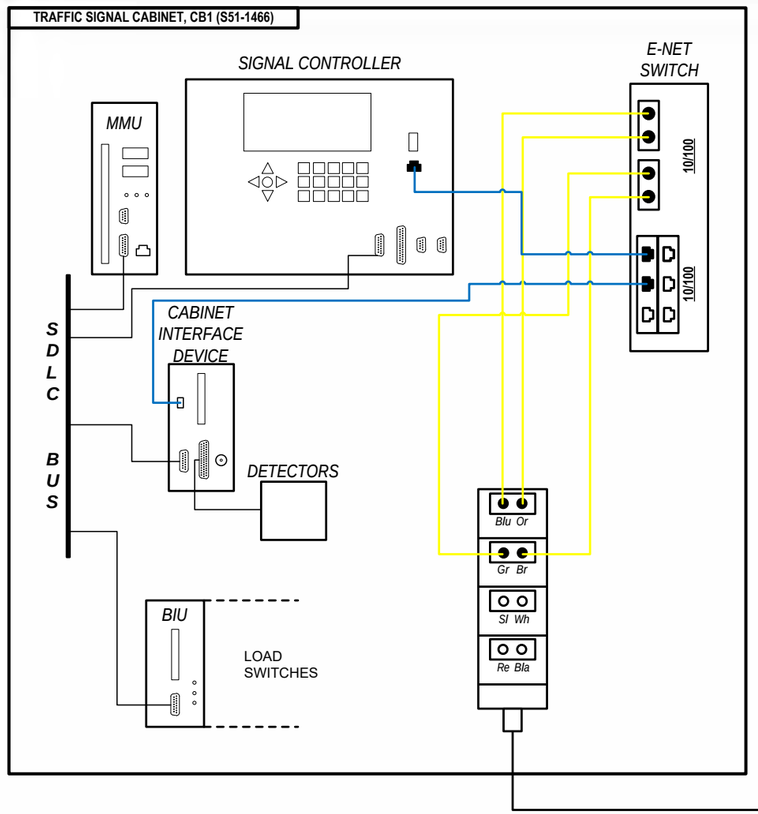
- CAT 5E PATCH CORD
- SM FIBER JUMPER
- SM FIBER OPTIC CABLE (# STRANDS) — 72
- FIBER PATCH PANEL
- FUSION SPLICE (EXISTING / PROPOSED)

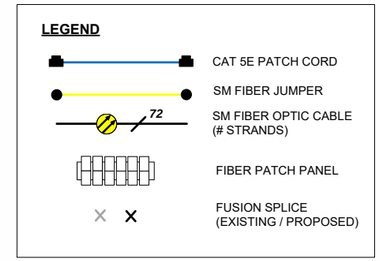
NOTES:

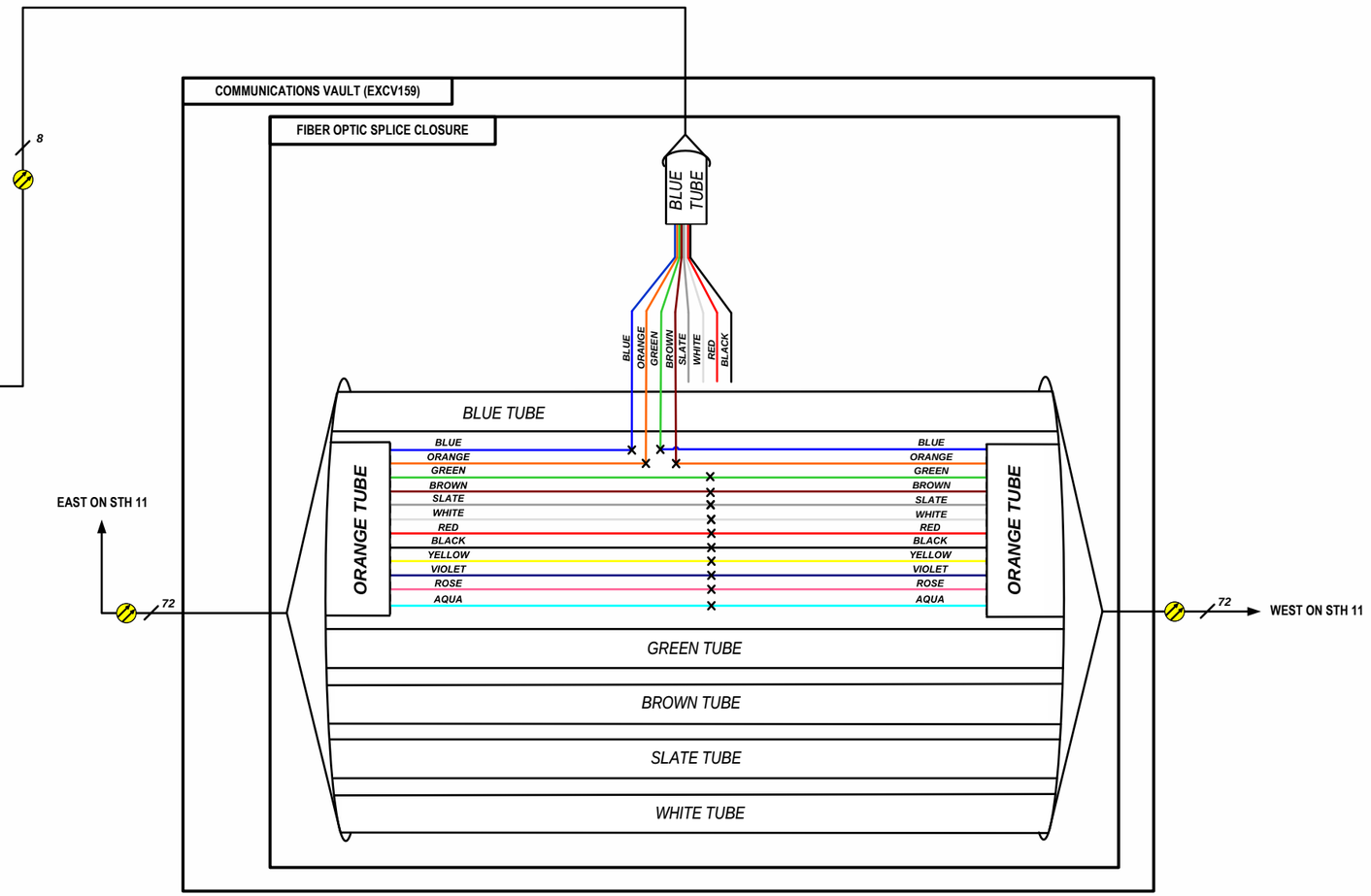
1. DASHED LINES INDICATE EXISTING ITEMS.
2. ADDITIONAL SPLICES ARE INCLUDED IN THE ITS PLANS.
3. SEE ITS PLANS FOR FIBER CABLE ROUTE.

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN DIAGRAM (WCVW AND BRAUN ROAD)	SHEET:	E

2







NOTES:

1. DASHED LINES INDICATE EXISTING ITEMS.
2. ADDITIONAL SPLICES ARE INCLUDED IN THE ITS PLANS.
3. SEE ITS PLANS FOR FIBER CABLE ROUTE.

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN DIAGRAM (STH 11 AND WCVW)	SHEET: E

NONMETALLIC COMMUNICATION CONDUIT 2", UNLESS OTHERWISE NOTED

FTMS CONDUIT

COMMUNICATIONS VAULT

CONTROL CABINET

PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING

N

(1) 8-COUNT FOC PIGTAIL
(1) FIBER OPTIC TRACER CABLE

CB1 (S51-0501)

CV910-1

CV910-2

910HS

910HN

2-2" HDPE

INSTALL 8-COUNT FOC PIGTAIL IN FTMS CONDUIT

INSTALL 8-COUNT FOC PIGTAIL IN FTMS CONDUIT

CTH H

STH 11

R/W

ONLY

55'

906HS

906HN

908HS

908HN

907HS

907HN

CV908

CV908
(14) F.O. SPLICES
USE SPLCE ENCLOSURE
SHOWN IN FTMS PLANS

237STHW 238STHW 239STHW 240STHW 241STHW 242STHW 243STHW

237STHE 238STHE 239STHE 240STHE 241STHE 242STHE 243STHE

CONSTRUCTION NOTES;

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING INTERCONNECT CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.
2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.
3. PROPOSED STORM SEWER, LIGHTING, FTMS AND TRAFFIC SIGNALS ARE SHOWN GRAYSHADED FOR PLAN CLARITY.

TRAFFIC CONTROL INTERCONNECT
STH 11 & CTH H
VILLAGE OF STURTEVANT
RACINE COUNTY

SIGNAL NO. S51-0501

REGION CONTACT: JARRETTT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2024 4:57:29 PM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1
WISDOT/CADDS SHEET 42

NONMETALLIC COMMUNICATION CONDUIT 2", UNLESS OTHERWISE NOTED

FTMS CONDUIT

COMMUNICATIONS VAULT

CONTROL CABINET

PULL BOX, 24" X 42"

NOTE: GRAYSHADE REPRESENTS EXISTING

N

ACCESS FC6

ONLY

PLE

R/W

EXCV843
(14) F.O. SPLICES
USE SPLICE ENCLOSURE
SHOWN IN FTMS PLANS

2-2" HDPE

45°

30°

841HS CTH H 842HS 843HS 844HS 845HS 846HS 847

841HN 842HN 843HN 844HN 845HN 846HN CTH H 847

INSTALL 8-COUNT FOC PIGTAIL IN EXISTING CONDUIT

EXICPB1

CB1 (S51-1470)

ACCESS E5A

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING INTERCONNECT CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.

2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

TRAFFIC CONTROL INTERCONNECT
CTH H & ACCESS FC6/ACCESS E5A
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-1470

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN	SHEET 256	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLANS\Traffic\8.1.2_20210414_CB1_53.dgn PLOT DATE : 8/12/2021 4:28:53 PM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

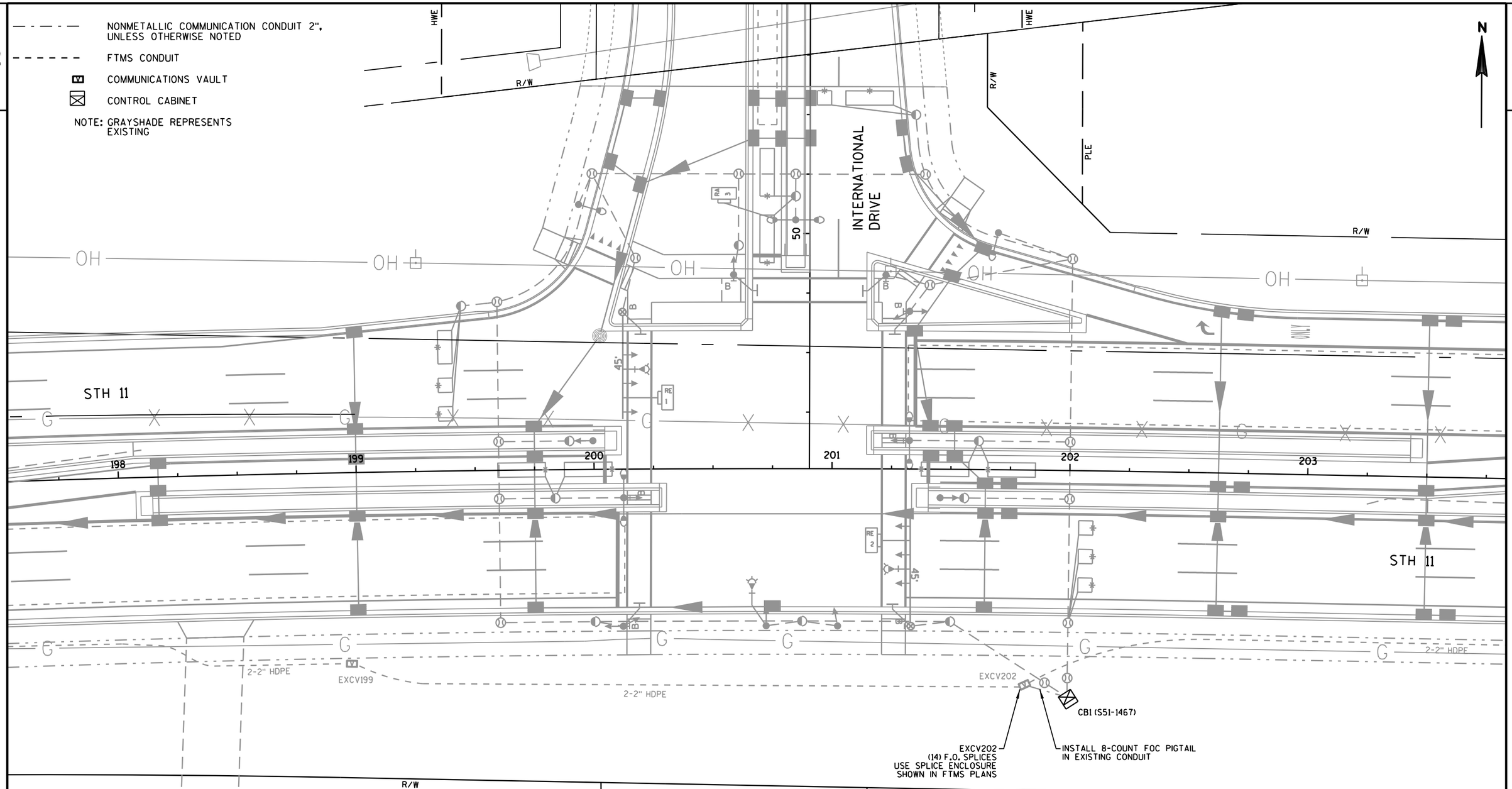
NONMETALLIC COMMUNICATION CONDUIT 2", UNLESS OTHERWISE NOTED

FTMS CONDUIT

COMMUNICATIONS VAULT

CONTROL CABINET

NOTE: GRAYSHADE REPRESENTS EXISTING



CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING INTERCONNECT CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.

2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

TRAFFIC CONTROL INTERCONNECT
STH 11 & INTERNATIONAL DRIVE
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-1467

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN	SHEET 257	E

2

— · — · — NONMETALLIC COMMUNICATION CONDUIT 2", UNLESS OTHERWISE NOTED

– – – – – – FTMS CONDUIT

COMMUNICATIONS VAULT

CONTROL CABINET

NOTE: GRAYSHADE REPRESENTS EXISTING

R/W

2

N

WISCONN VALLEY WAY

2-2" HDPE

EXCV502

2-2" HDPE

R/W

CB1 (S51-1468)

INSTALL 8-COUNT FOC PIGTAIL IN EXISTING CONDUIT

EXCV101

INSTALL 8-COUNT FOC PIGTAIL IN EXISTING CONDUIT

EXCV374L

2-2" HDPE

CTH KR

372 373 374 375 376 377 378

501

40'

15'

45'

RE 1

RE 2

CTH KR

2-2" HDPE

EXCV374

2-2" HDPE

EXCV376

2-2" HDPE

R/W

EXCV374
(14) F.O. SPLICES
USE SPLICE ENCLOSURE
SHOWN IN FTMS PLANS

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING INTERCONNECT CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.

2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

TRAFFIC CONTROL INTERCONNECT
CTH KR & WISCONN VALLEY WAY
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-1468

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN	SHEET 258	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNT_Eg_18x24_20241129.dgn PLOT DATE : 12/3/2024 1:29:31 PM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

NONMETALLIC COMMUNICATION CONDUIT 2", UNLESS OTHERWISE NOTED

FTMS CONDUIT

COMMUNICATIONS VAULT

CONTROL CABINET

NOTE: GRAYSHADE REPRESENTS EXISTING

N

2

R/W

INSTALL 8-COUNT FOC PIGTAIL IN EXISTING CONDUIT

CB1 (S51-1464)

INSTALL 8-COUNT FOC PIGTAIL IN EXISTING CONDUIT

EXCV101

WISCONN VALLEY WAY

2-2" HDPE

EXCV558
(14) F.O. SPLICES
USE SPLICE ENCLOSURE
SHOWN IN FTMS PLANS

EXCV558

558

557

556

555

25'

40'

30'

ONLY

BRAUN ROAD

67BRW

68BRW

69BRW

70BRW

71BRW

72BRW

OH

EXCV555

CONSTRUCTION NOTES;

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING INTERCONNECT CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.

2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

TRAFFIC CONTROL INTERCONNECT
WISCONN VALLEY WAY & BRAUN ROAD
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-1464

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2024 1:29:27 PM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

NONMETALLIC COMMUNICATION CONDUIT 2", UNLESS OTHERWISE NOTED

FTMS CONDUIT

COMMUNICATIONS VAULT

CONTROL CABINET

NOTE: GRAYSHADE REPRESENTS EXISTING

N

R/W

STH 11

156 157 158 159 160 161

45'

RE

RE 2

2-2" HDPE

EXCV156

EXCV159

(14) F.O. SPLICES
USE SPLICE ENCLOSURE
SHOWN IN FTMS PLANS

INSTALL 8-COUNT FOC PIGTAIL
IN EXISTING CONDUIT

CB1 (S51-1466)

EXCV605

606

605

WISCONN VALLEY WAY

ONLY

OH

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL HAVE THE PULL BOXES AND CONDUIT RUNS INSPECTED 5 WORKING DAYS PRIOR TO PLACING INTERCONNECT CABLE INTO SYSTEM. CONTACT THE REGIONAL ELECTRICAL FIELD UNIT AT (414) 266-1170.

2. THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT WHICH ARE NOT SHOWN.

TRAFFIC CONTROL INTERCONNECT
STH 11 & WISCONN VALLEY WAY
VILLAGE OF MOUNT PLEASANT
RACINE COUNTY

SIGNAL NO. S51-1466

REGION CONTACT: JARRETT GATES
DESIGNED BY: HNTB
REVISED BY:

PAGE 1 OF 1

PROJECT NO: 3760-00-71	HWY: STH 11	COUNTY: RACINE	COMMUNICATION PLAN	SHEET 260	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PS&E\Traffic\Sheets\20241529_cd3.dgn PLOT DATE: 8/12/2024 3:39:29 PM PLOT BY : jmatson PLOT NAME : PLOT SCALE : 40:1

WISDOT/CADDS SHEET 42

2

N

BRAUN RD

REFRESH MARKING ARROW EPOXY TYPE 2

R/L CTH H SB

CTH H

R/L CTH H NB

HN+82
36.00' LT

HN+07
60.00' LT

HN+62
24.00' LT

856HS 858HS 860HS 862HS 864HS 866HS 868HS

856HN 858HN 860HN 862HN 864HN 866HN 868HN

MATCHLINE 870+00

BEGIN PROJECT 3760-00-71
STA 857HN+68.00
X=604646.00
Y=170359.02

LEGEND

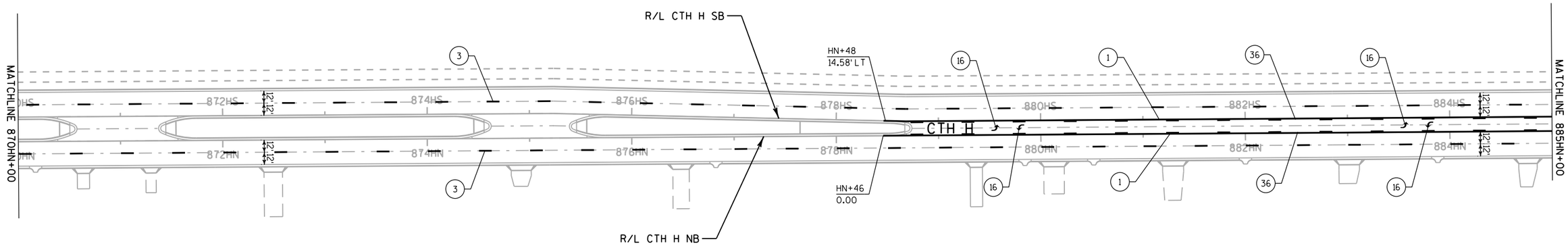
3	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING CONTRAST EPOXY 8-INCH SPECIAL (WHITE)
14	MARKING WORD EPOXY (WHITE)
16	MARKING ARROW EPOXY TYPE 2 (WHITE)

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 10/25/2021 10:13:16 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

N



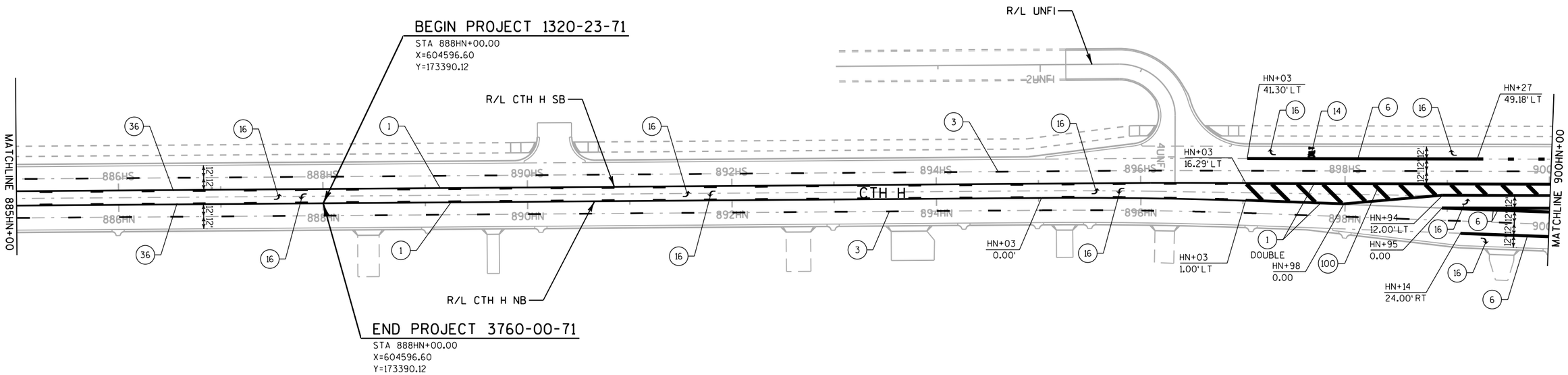
LEGEND

(1)	MARKING CONTRAST EPOXY 4-INCH SPECIAL (YELLOW)
(3)	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
(16)	MARKING ARROW EPOXY TYPE 2 (WHITE)
(36)	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DASHED YELLOW) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 262	E

2

N

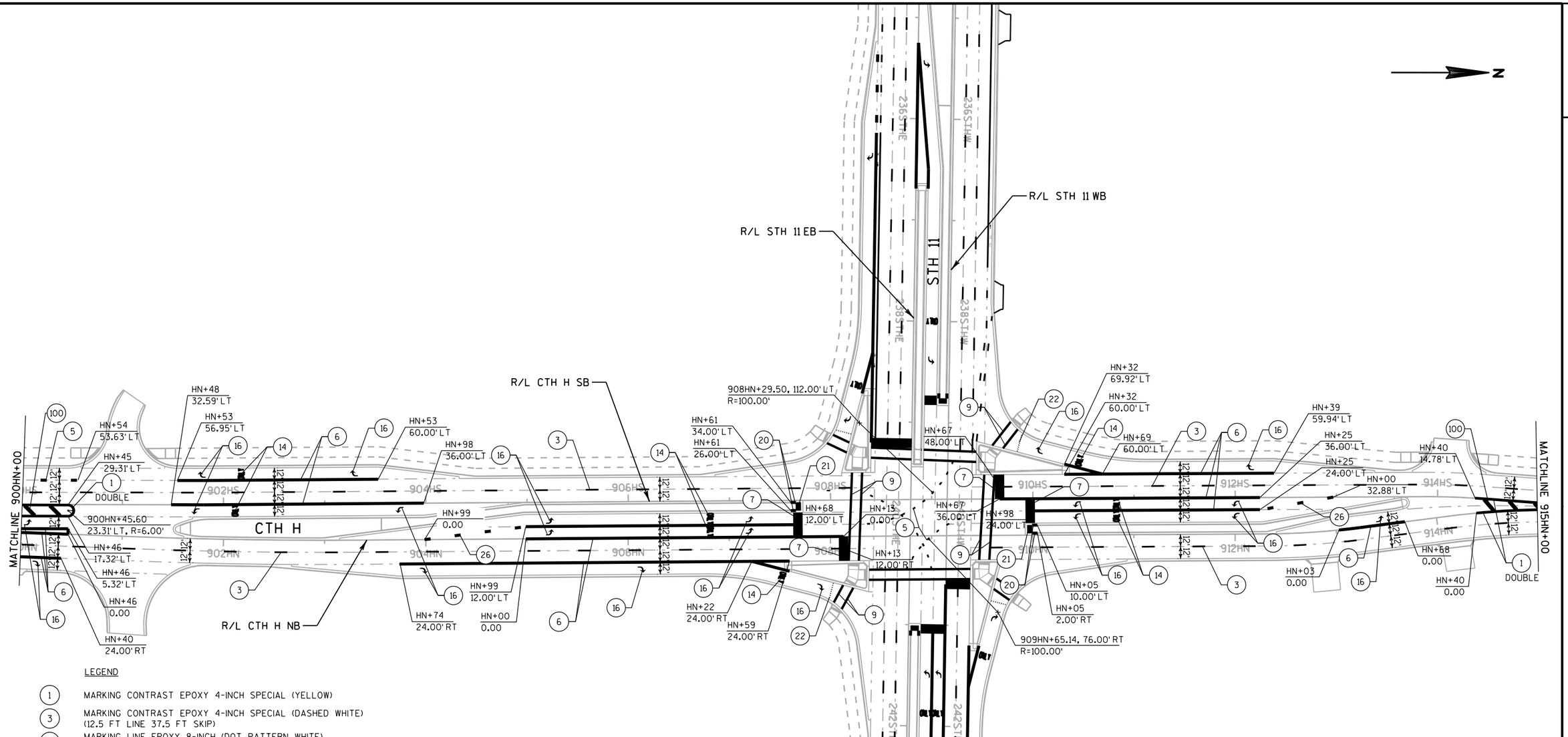


LEGEND

1	MARKING CONTRAST EPOXY 4-INCH SPECIAL (YELLOW)
3	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING CONTRAST EPOXY 8-INCH SPECIAL (WHITE)
14	MARKING WORD EPOXY (WHITE)
16	MARKING ARROW EPOXY TYPE 2 (WHITE)
36	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DASHED YELLOW) (12.5 FT LINE 37.5 FT SKIP)
100	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 263	E

2



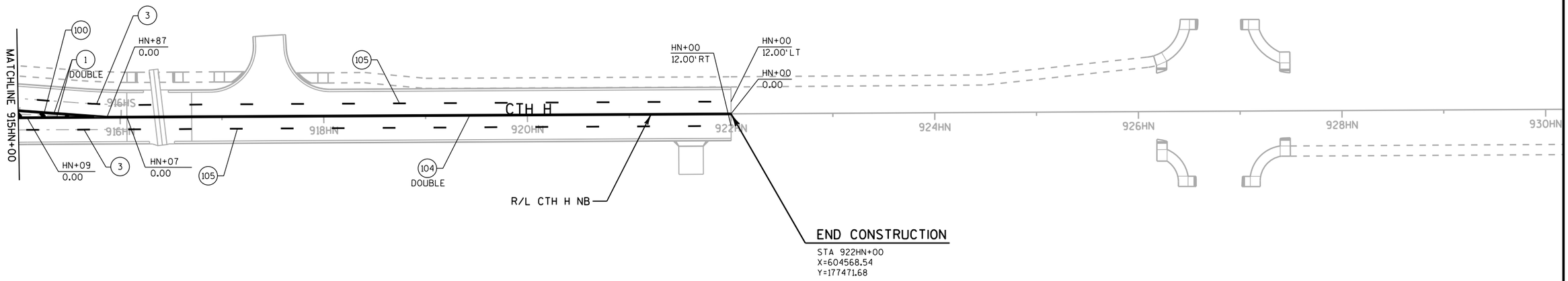
LEGEND

1	MARKING CONTRAST EPOXY 4-INCH SPECIAL (YELLOW)
3	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
5	MARKING LINE EPOXY 8-INCH (DOT PATTERN WHITE) (2 FT LINE 6 FT SKIP)
6	MARKING CONTRAST EPOXY 8-INCH SPECIAL (WHITE)
7	MARKING STOP LINE EPOXY 18-INCH (WHITE)
9	MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
14	MARKING WORD EPOXY (WHITE)
16	MARKING ARROW EPOXY TYPE 2 (WHITE)
20	MARKING CURB EPOXY (YELLOW)
21	MARKING ISLAND NOSE EPOXY
22	MARKING YIELD LINE EPOXY 18-INCH
26	MARKING CONTRAST EPOXY 8-INCH SPECIAL (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
100	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 264	E

2

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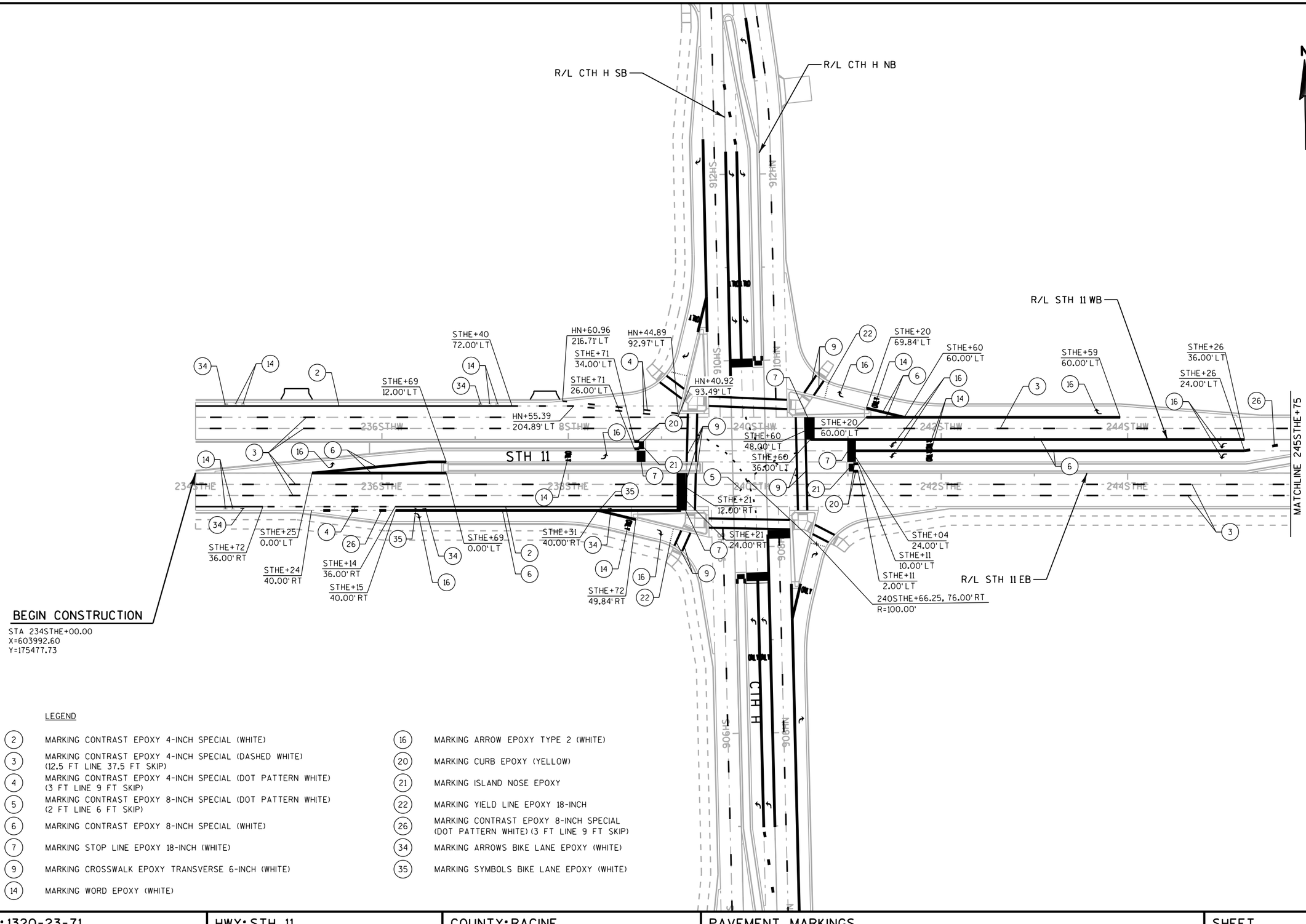


LEGEND

(1)	MARKING CONTRAST EPOXY 4-INCH SPECIAL (YELLOW)
(3)	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
(100)	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
(104)	MARKING LINE EPOXY 4-INCH (YELLOW)
(105)	MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PM\Traffic\10.25x22.5x05.pmt.dgn PLOT DATE : 10/25/2023 10:14:04 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1



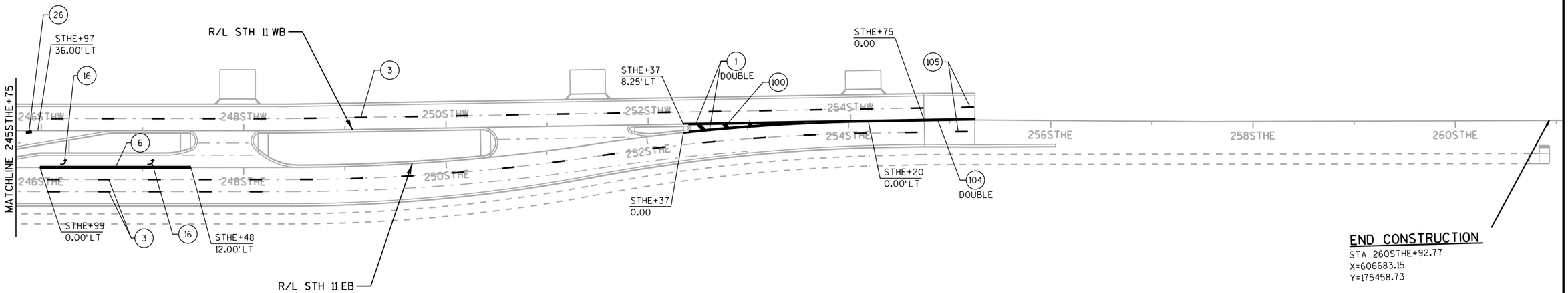
LEGEND

2	MARKING CONTRAST EPOXY 4-INCH SPECIAL (WHITE)
3	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
4	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
5	MARKING CONTRAST EPOXY 8-INCH SPECIAL (DOT PATTERN WHITE) (2 FT LINE 6 FT SKIP)
6	MARKING CONTRAST EPOXY 8-INCH SPECIAL (WHITE)
7	MARKING STOP LINE EPOXY 18-INCH (WHITE)
9	MARKING CROSSWALK EPOXY TRANSVERSE 6-INCH (WHITE)
14	MARKING WORD EPOXY (WHITE)
16	MARKING ARROW EPOXY TYPE 2 (WHITE)
20	MARKING CURB EPOXY (YELLOW)
21	MARKING ISLAND NOSE EPOXY
22	MARKING YIELD LINE EPOXY 18-INCH
26	MARKING CONTRAST EPOXY 8-INCH SPECIAL (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
34	MARKING ARROWS BIKE LANE EPOXY (WHITE)
35	MARKING SYMBOLS BIKE LANE EPOXY (WHITE)

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlotFiles\10.25x22.25\50_pavmkg.dgn PLOT DATE : 10/25/2023 10:14:30 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 42

2



LEGEND

1	MARKING CONTRAST EPOXY 4-INCH SPECIAL (YELLOW)
3	MARKING CONTRAST EPOXY 4-INCH SPECIAL (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
6	MARKING CONTRAST EPOXY 8-INCH SPECIAL (WHITE)
16	MARKING ARROW EPOXY TYPE 2 (WHITE)
20	MARKING CURB EPOXY (YELLOW)
21	MARKING ISLAND NOSE EPOXY
26	MARKING CONTRAST EPOXY 8-INCH SPECIAL (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
100	MARKING DIAGONAL EPOXY 12-INCH (YELLOW)
104	MARKING LINE EPOXY 4-INCH (YELLOW)
105	MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PAVEMENT MARKINGS	SHEET 267	E

2

N

CONSTRUCTION ID: 3760-00-70

CONSTRUCTION ID: 3760-00-71

CTH H

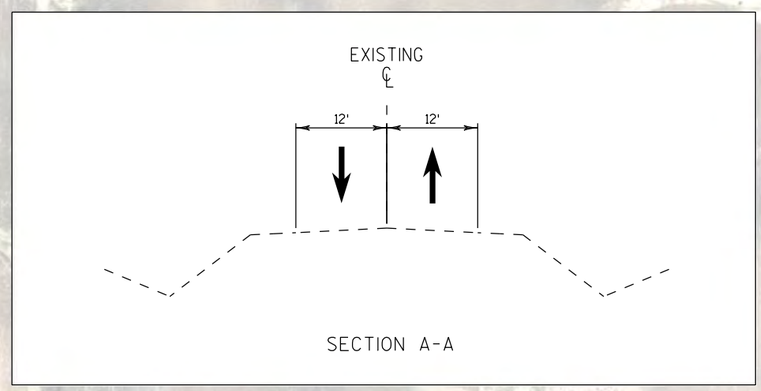
BRAUN ROAD

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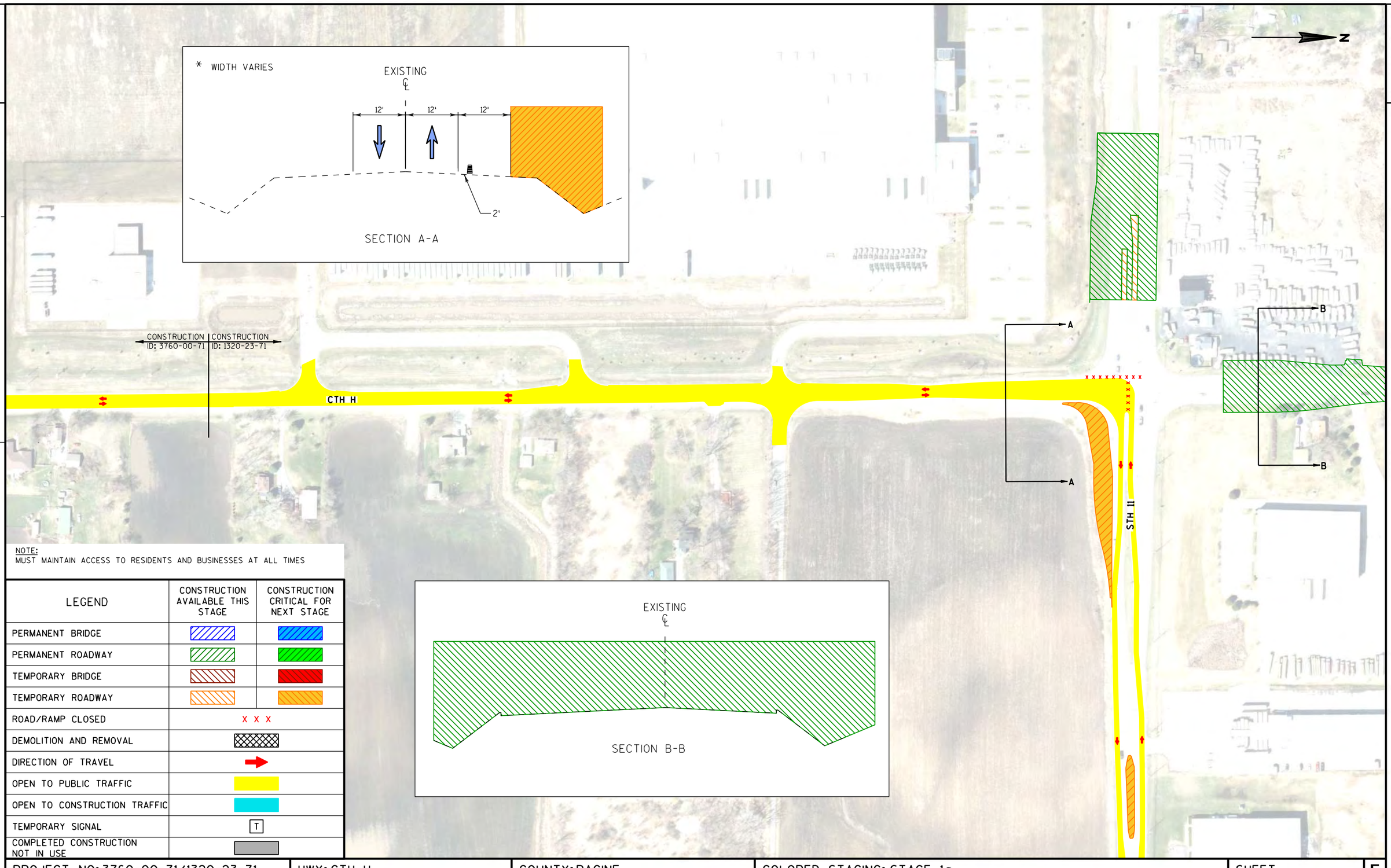
NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 1a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plots\Stage 1\Exhibit 2013_825012_Vs1a.dgn PLOT DATE : 10/17/2013 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1



NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 1a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlanProfile\10.Exhibits\3259022cAVs1a.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1
WISDOT/CADDS SHEET 42

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CANADIAN PACIFIC RAILROAD

CTH H

ENTERPRISE DR

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NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

EXISTING
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SECTION A-A

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 1a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plots\Stage 1\Exhibits\320029_Exhibits_Stage1a.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

CANADIAN PACIFIC RAILROAD

CTH H

STH 11

CONSTRUCTION ID: 1320-23-73 | CONSTRUCTION ID: 1320-23-71

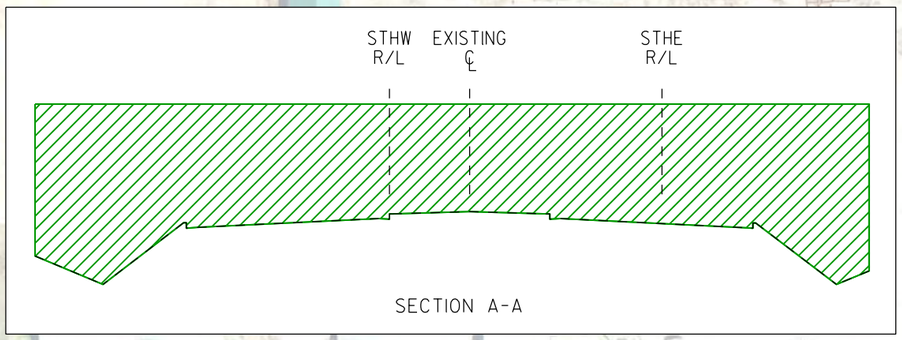
A

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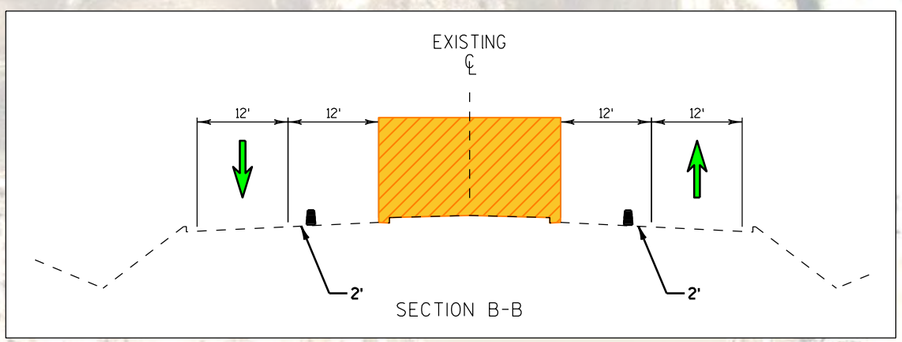
B

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SECTION A-A



SECTION B-B

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 1a	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Staging\10_Exhibits\926007_EXHIBIT_Stage1a.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

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CONSTRUCTION ID: 3760-00-70

CONSTRUCTION ID: 3760-00-71

CTH H

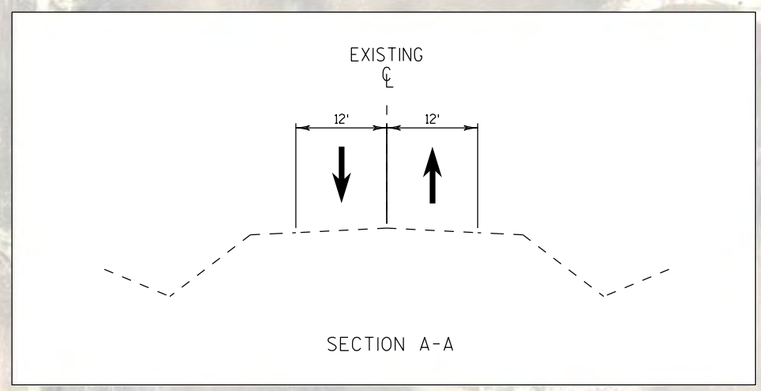
BRAUN ROAD

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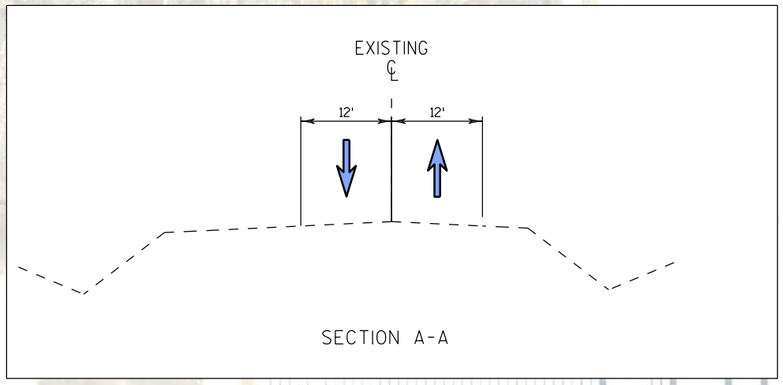
NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 1b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plots\Exhibits\3760036_Vs1b.dgn PLOT DATE : 10 Jun 2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1



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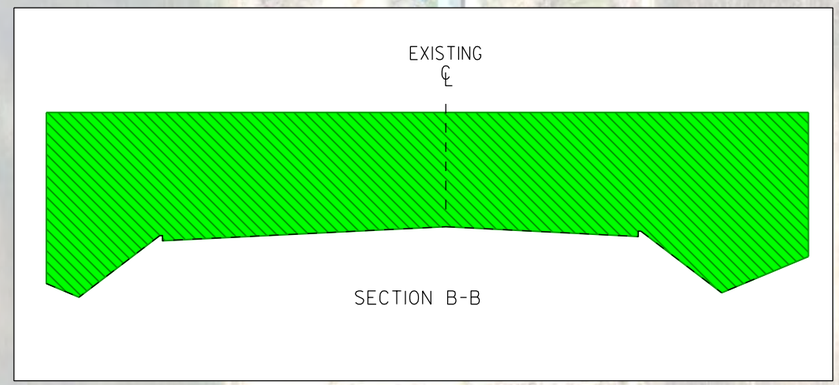
B

CONSTRUCTION ID: 3760-00-71 | CONSTRUCTION ID: 1320-23-71

STH 11

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 1b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 10 Jan 2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

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CANADIAN PACIFIC RAILROAD

CTH H

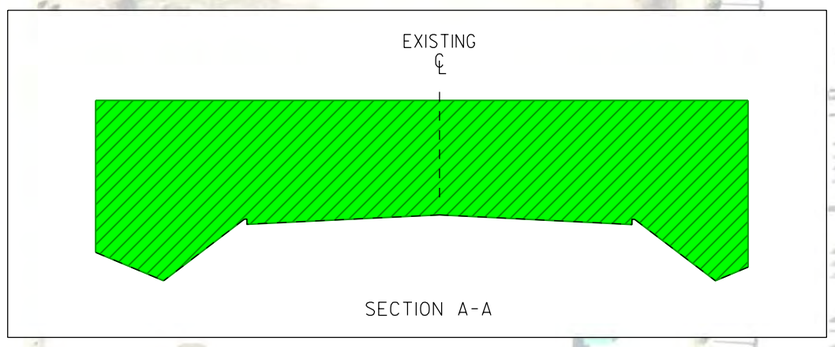
ENTERPRISE DR

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NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 1b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlotFiles\10Ex_2019_926037_aWs1b.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

2

CANADIAN PACIFIC RAILROAD

CTH H

CONSTRUCTION ID: 1320-23-73 | CONSTRUCTION ID: 1320-23-71

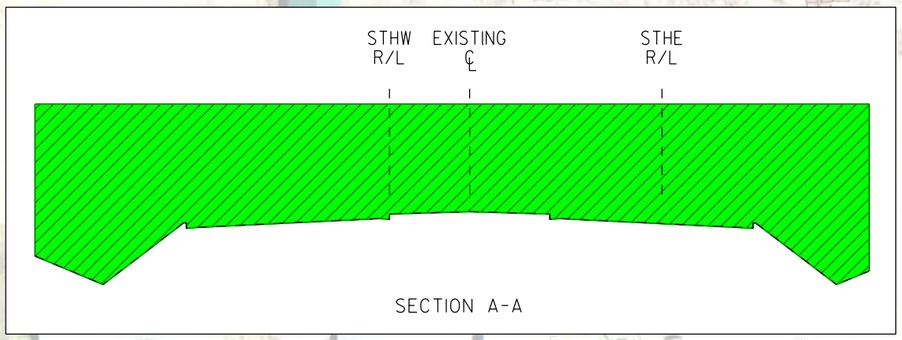
A

A

STH 11

B

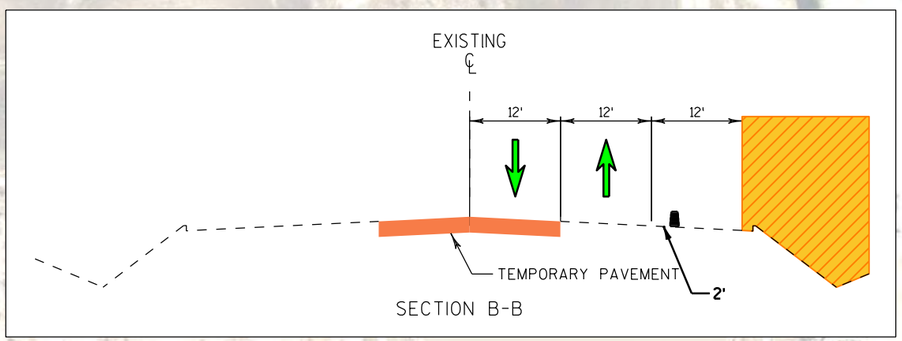
B



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NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 1b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Traffic\10 Exhibits\926002cadvs1b.dgn PLOT DATE : 10/21/2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

N

CONSTRUCTION ID: 3760-00-70

CONSTRUCTION ID: 3760-00-71

CTH H

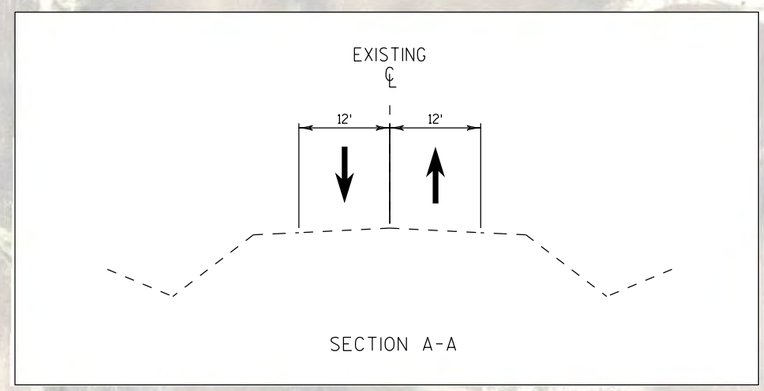
BRAUN ROAD

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 2a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Stage Construction\3760-00-71_Stgs2a.dgn PLOT DATE : 10/23/2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

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EXISTING
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SECTION A-A

SEE "CONSTRUCTION DETAIL: CTH H STAGE 2a/2b" FOR ADDITIONAL INFORMATION.

CONSTRUCTION ID: 3760-00-71 | CONSTRUCTION ID: 1320-23-71

CTH H

A

A

B

B

STH 11

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

HS
R/L

HN
R/L

12' 12' 12' 12' 12' 12' 12'

2' 2' 2'

SECTION B-B

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 2a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlotFiles\10x42_2019_0801154_CWs2a.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

2

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CANADIAN PACIFIC RAILROAD

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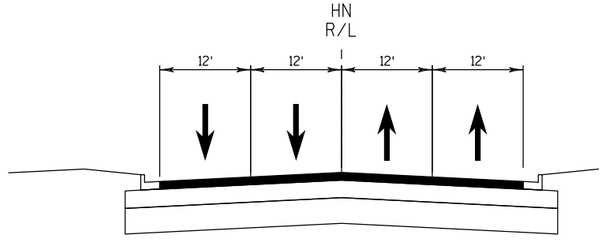
CTH H

A

ENTERPRISE DR

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



SECTION A-A

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 2a	SHEET 278	E

2

CANADIAN PACIFIC RAILROAD

CTH H

CONSTRUCTION ID: 1320-23-73

CONSTRUCTION ID: 1320-23-71

STH 11

A

A

B

B

N

EXISTING ℄

12' 12' 12' 12'

SECTION A-A

MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

X X

EXISTING ℄

12' 12' 12' 12'

SECTION B-B

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 2a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Sheets\Exhibits\926127_Exhs2a.dgn PLOT DATE : 10/4/2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

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2

N

CONSTRUCTION ID: 3760-00-70

CONSTRUCTION ID: 3760-00-71

CTH H

BRAUN ROAD

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

EXISTING
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12' 12'

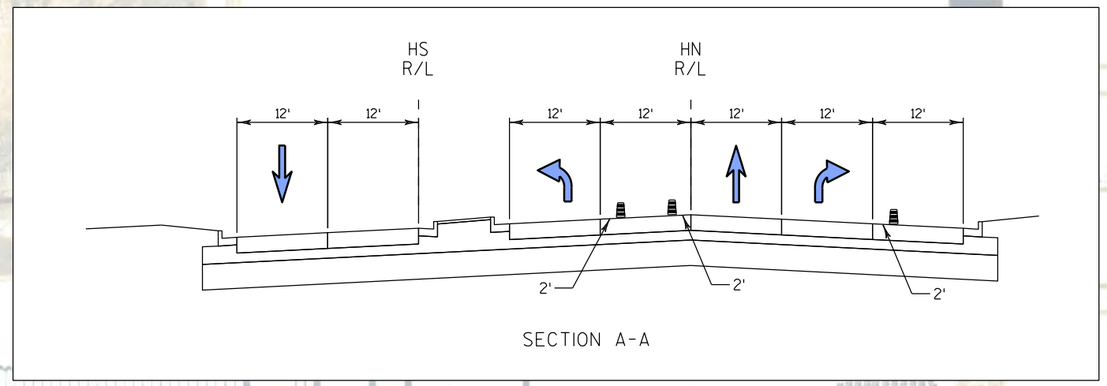
SECTION A-A

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 2b	SHEET	E

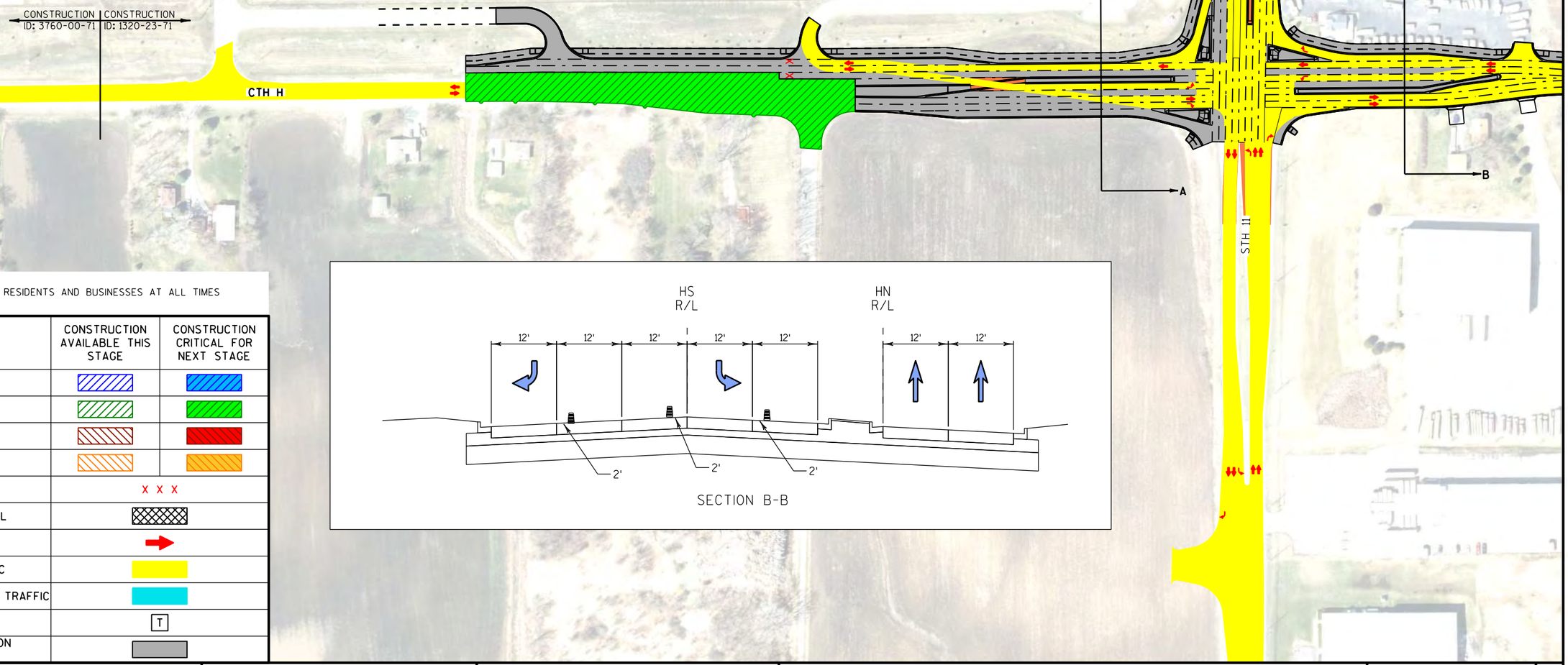
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WISDOT/CADDS SHEET 42

2



SECTION A-A



NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

SECTION B-B

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 2b	SHEET 281	E

2

2

N

CANADIAN PACIFIC RAILROAD

CTH H

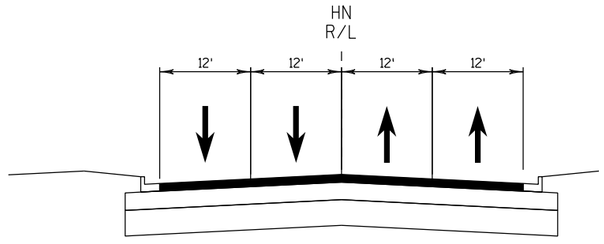
ENTERPRISE DR

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



SECTION A-A

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 2b	SHEET 282	E

2

CANADIAN PACIFIC RAILROAD

CTH H

CONSTRUCTION ID: 1320-23-73

CONSTRUCTION ID: 1320-23-71

STH 11

A

A

B

B

N

EXISTING

12' 12' 12' 12'

SECTION A-A

MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

EXISTING

12' 12' 12' 12'

SECTION B-B

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 2b	SHEET 283	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\Exhibits\Exhibit 10 Staging\226215_Stgs2b.dgn

PLOT DATE : 10/17/2019

PLOT BY : jdepies

PLOT NAME :

PLOT SCALE : 200:1

2

N

CONSTRUCTION ID: 3760-00-70

CONSTRUCTION ID: 3760-00-71

CTH H

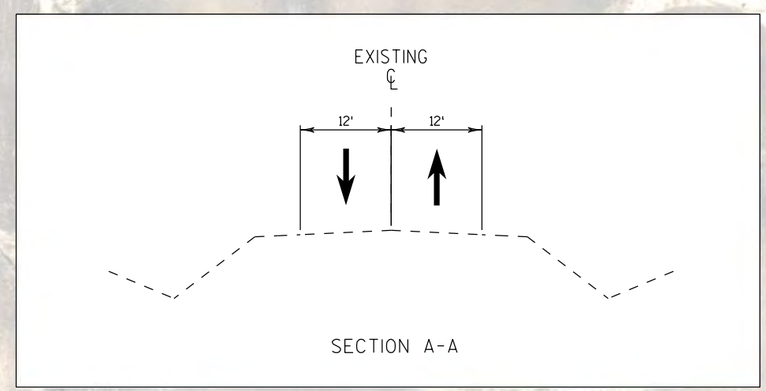
BRAUN ROAD

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



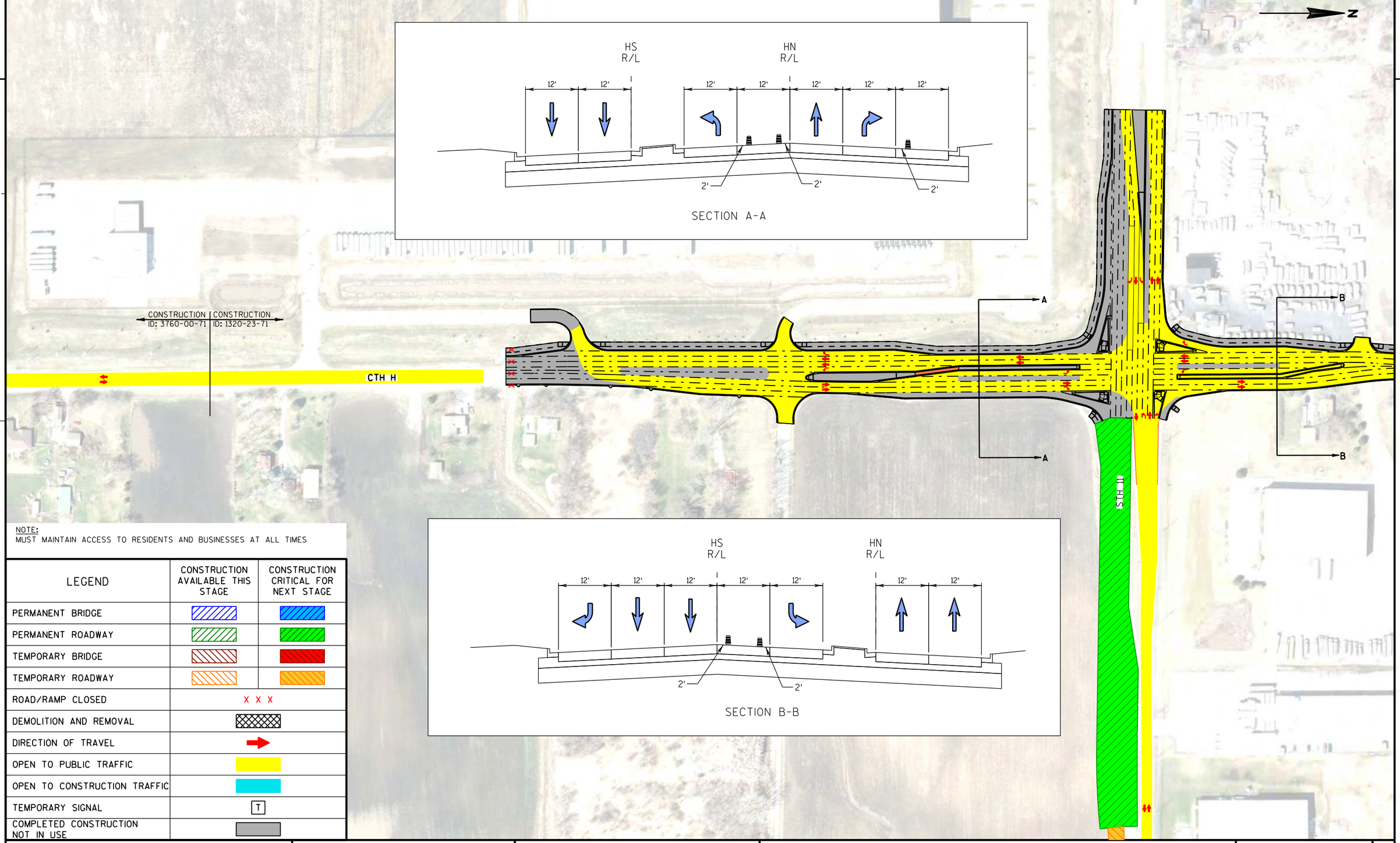
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H\Plots\Stage 1\Exhibits\3760-00-71_cvs3a.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

SECTION A-A



SECTION B-B

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 10/17/2019 9:51:20 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

2

2

N

CANADIAN PACIFIC RAILROAD

CTH H

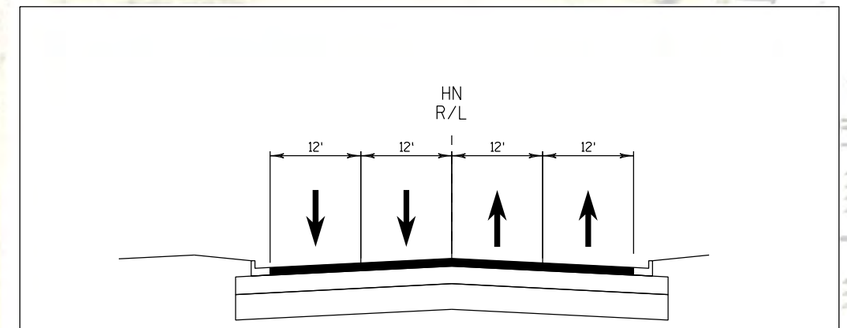
ENTERPRISE DR

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



SECTION A-A

PROJECT NO:1320-23-71 | HWY: CTH H | COUNTY: RACINE | COLORED STAGING: STAGE 3a | SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Staging\10_Exhibits\225038_cadws3a.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

CANADIAN PACIFIC RAILROAD

CTH H

STH 11

CONSTRUCTION ID: 1320-23-73

CONSTRUCTION ID: 1320-23-71

A

A

B

B

C

C

N

STHW R/L

STHE R/L

12' 12' 12' 12' 12' 12' 12' 12' 12' 12'

2'

2'

2'

TEMPORARY PAVEMENT

SECTION A-A

* WIDTH VARIES

STHW EXISTING R/L

STHE R/L

12' 12' * *

SECTION B-B

EXISTING

12' 12'

2'

SECTION C-C

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\10 Exhibits\225823_ms3a.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

N

CONSTRUCTION ID: 3760-00-70 | CONSTRUCTION ID: 3760-00-71

CTH H

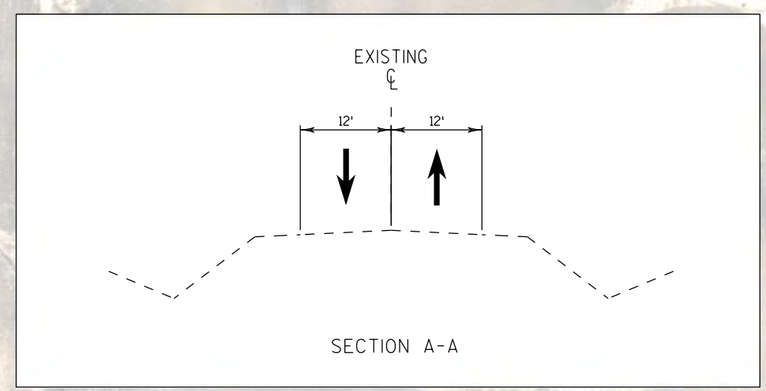
BRAUN ROAD

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

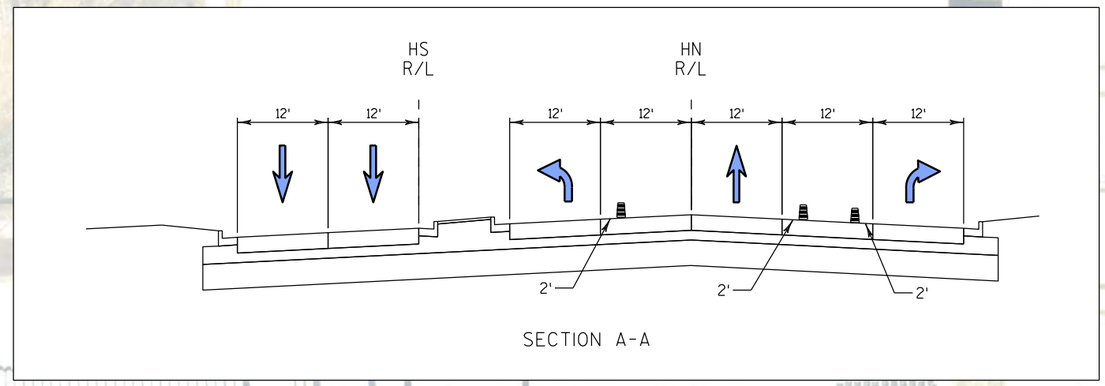


PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H\Plots\Stage 3\10-Exhibits\225146_cms3b.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2



SECTION A-A

N

CONSTRUCTION ID: 3760-00-71

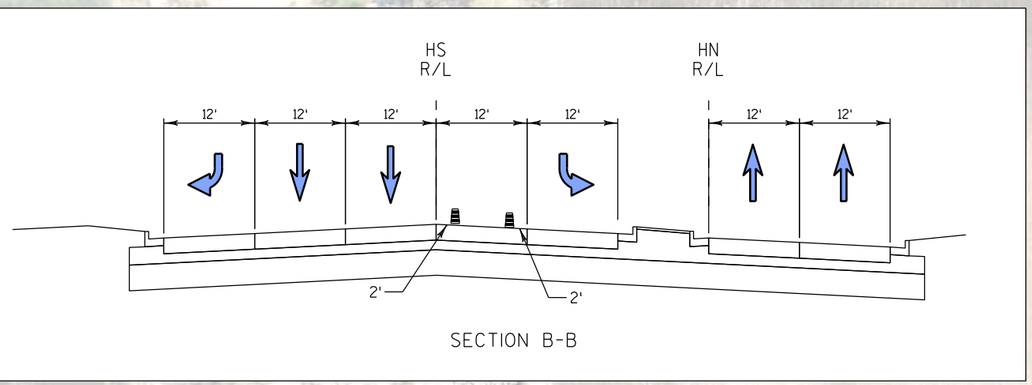
CONSTRUCTION ID: 1320-23-71

CTH H

A

B

STH H



SECTION B-B

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3b	SHEET 289	E

2

2

N

CANADIAN PACIFIC RAILROAD

CTH H

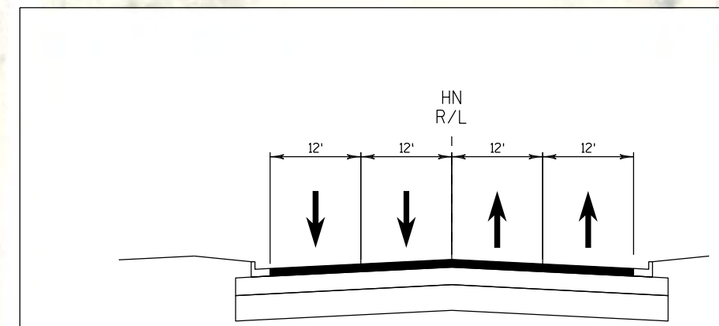
ENTERPRISE DR

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



SECTION A-A

PROJECT NO:1320-23-71 | HWY: CTH H | COUNTY: RACINE | COLORED STAGING: STAGE 3b | SHEET | E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Stage 3\10x17 2013-02-12 Stage 3b.dgn | PLOT DATE : 10 FEB 2013 | PLOT BY : jdepies | PLOT NAME : | PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

CANADIAN PACIFIC RAILROAD

CTH H

STH 11

CONSTRUCTION ID: 1320-23-73

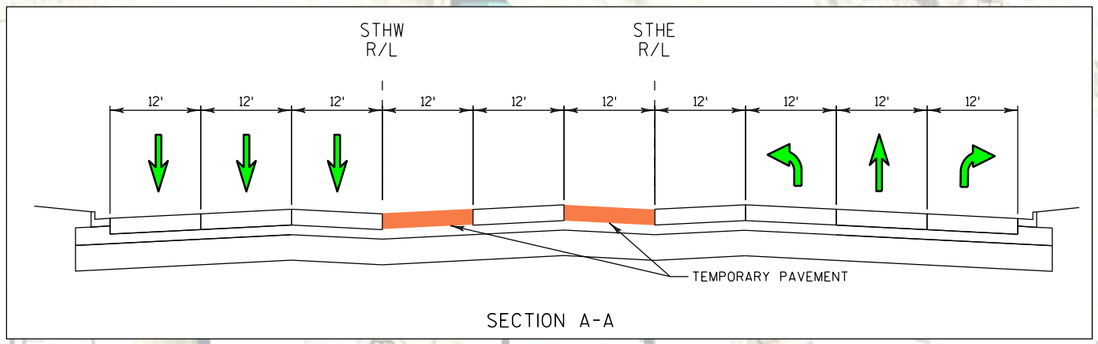
CONSTRUCTION ID: 1320-23-71

A

A

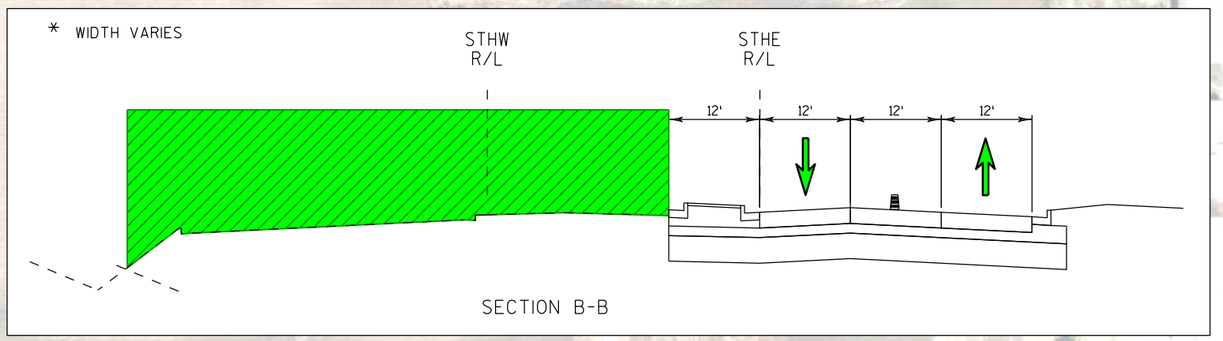
B

B



SECTION A-A

N



SECTION B-B

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\10Exhibits\225140_sht_s3b.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

2

N

CONSTRUCTION ID: 3760-00-70 | CONSTRUCTION ID: 3760-00-71

CTH H

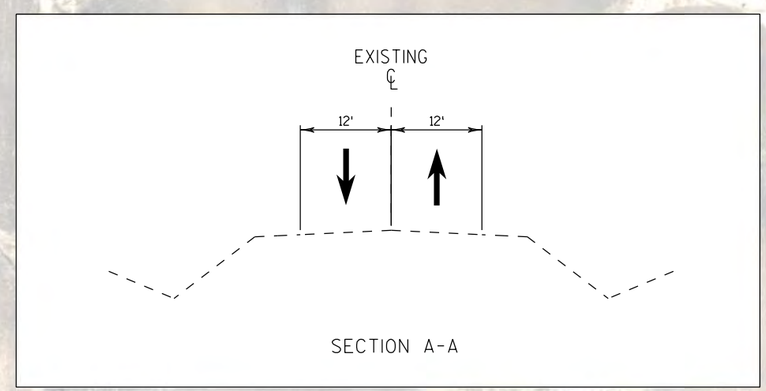
BRAUN ROAD

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

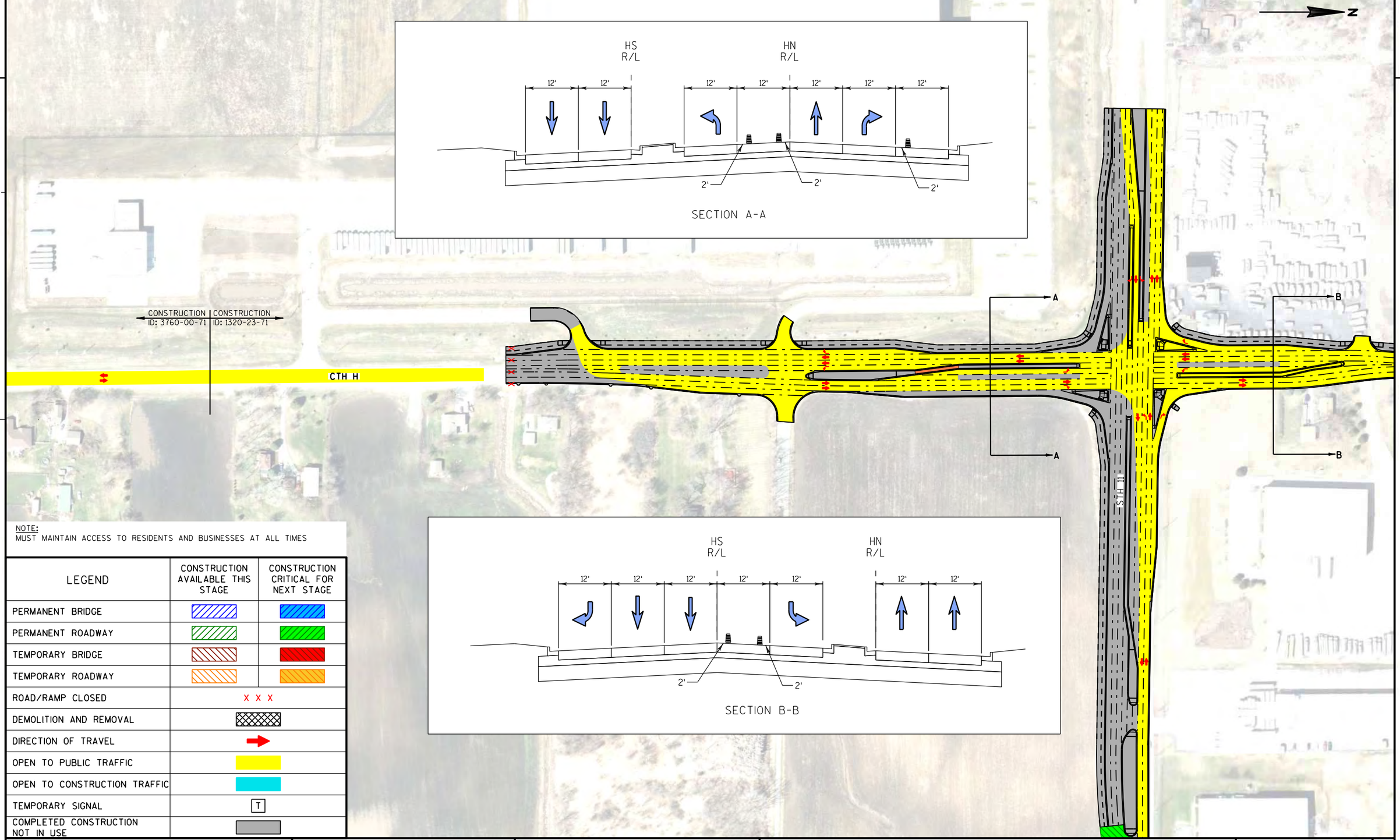


PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3c	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNT_Stg1_10_Ext_2013_222244_cvs3c.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1
WISDOT/CADDS SHEET 42

2

SECTION A-A



SECTION B-B

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3c	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 10/24/2019 9:51:23 AM
PLOT BY : jdepies
PLOT NAME :
PLOT SCALE : 200:1

2

N

CANADIAN PACIFIC RAILROAD

CTH H

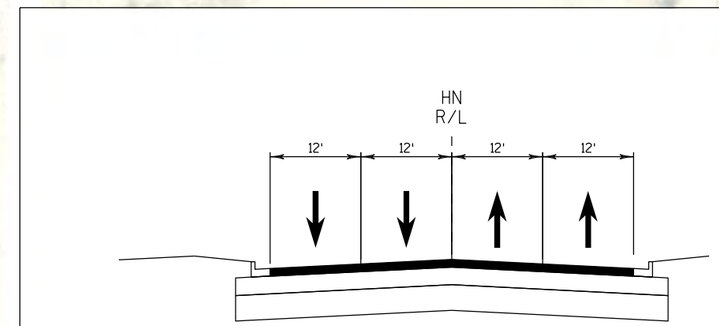
ENTERPRISE DR

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



SECTION A-A

PROJECT NO:1320-23-71 | HWY: CTH H | COUNTY: RACINE | COLORED STAGING: STAGE 3c | SHEET 294 | E

CANADIAN PACIFIC RAILROAD

CTH H

STH 11

CONSTRUCTION ID: 1320-23-73

CONSTRUCTION ID: 1320-23-71

A

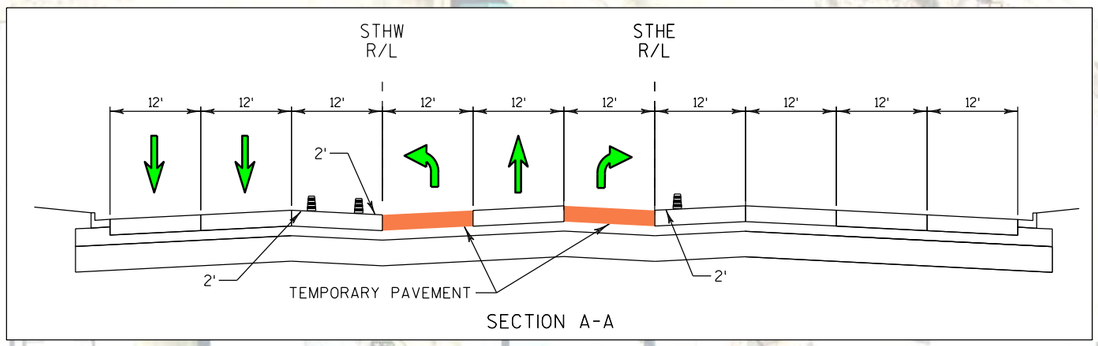
A

B

B

C

C

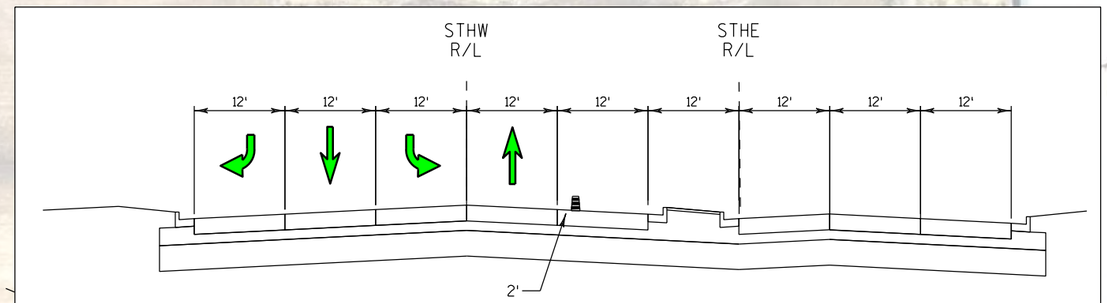


SECTION A-A

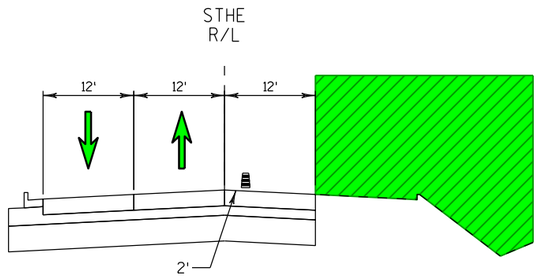
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MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



SECTION B-B



SECTION C-C

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3c	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 10 FEB 2023 09:51:27 cWs3c.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

2

N

CONSTRUCTION ID: 3760-00-70

CONSTRUCTION ID: 3760-00-71

CTH H

BRAUN ROAD

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

EXISTING
℄

12' 12'

SECTION A-A

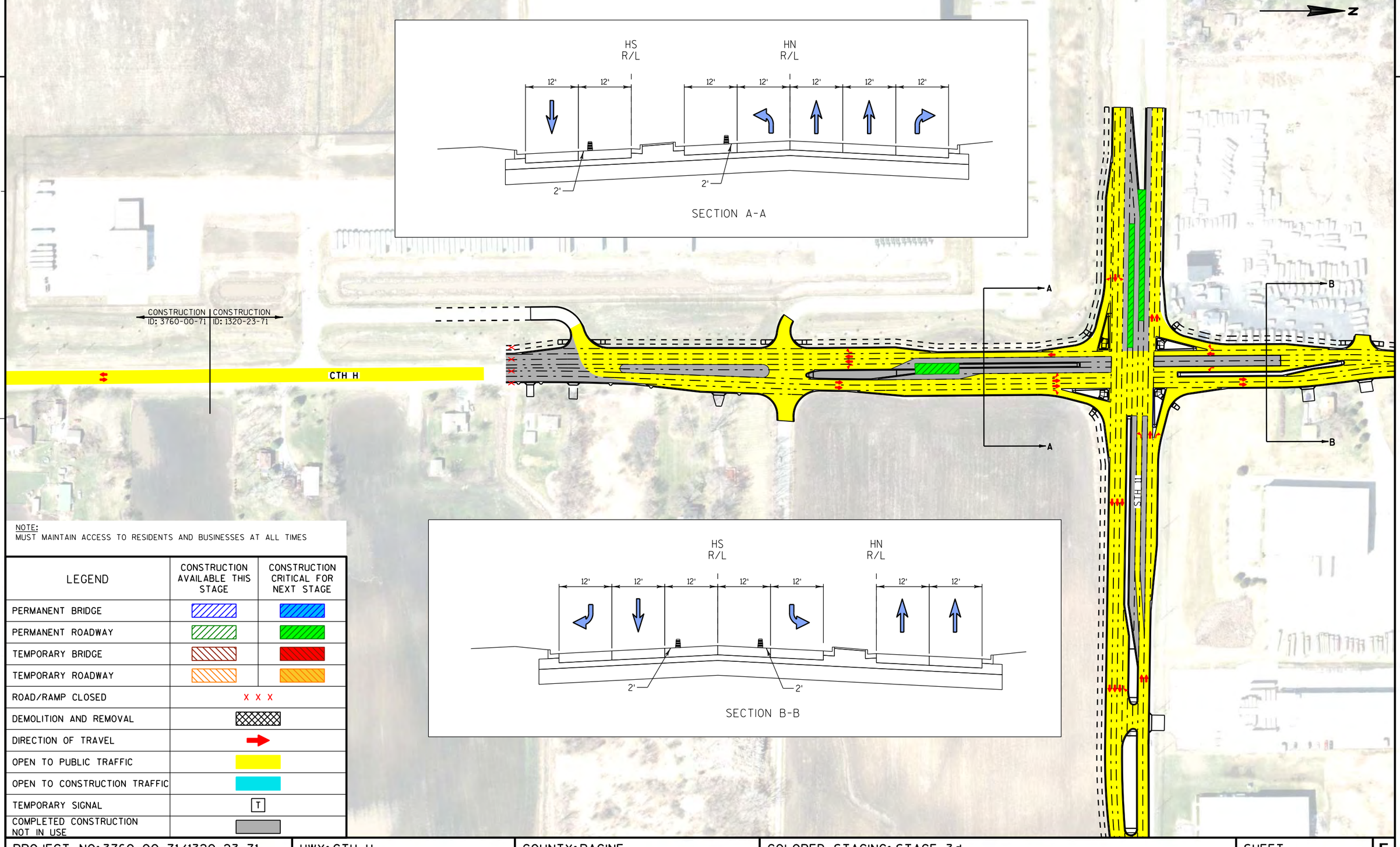
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3d	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plots\Stage 3\10231_3760-00-71_Stage3d.dgn PLOT DATE : 10/23/2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

SECTION A-A



SECTION B-B

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3d	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Traffic\Exhibits\CTH H Exhibit 3d_v3.dgn PLOT DATE : 10/4/2019 9:26:04 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

2

2

N

CANADIAN PACIFIC RAILROAD

CTH H

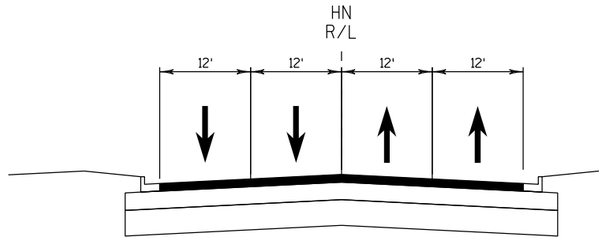
ENTERPRISE DR

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



SECTION A-A

PROJECT NO: 1320-23-71 | HWY: CTH H | COUNTY: RACINE | COLORED STAGING: STAGE 3d | SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\10_Exhibits\926078_Ex3d.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

CANADIAN PACIFIC RAILROAD

CTH H

STH 11

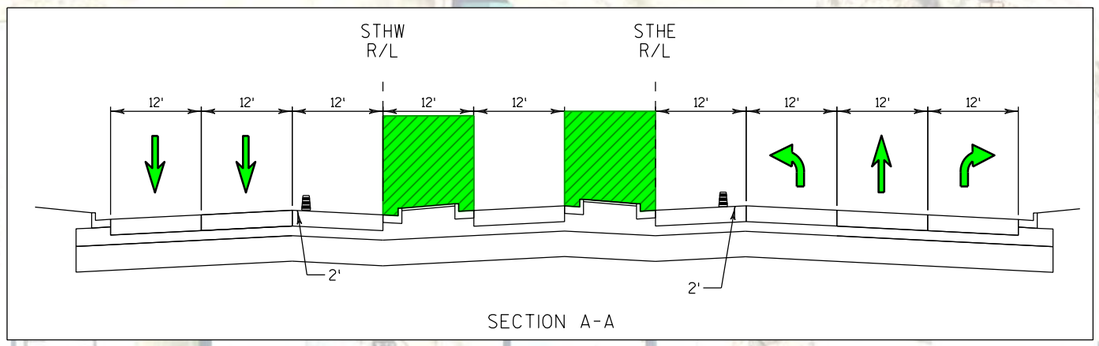
CONSTRUCTION ID: 1320-23-73 | CONSTRUCTION ID: 1320-23-71

A

A

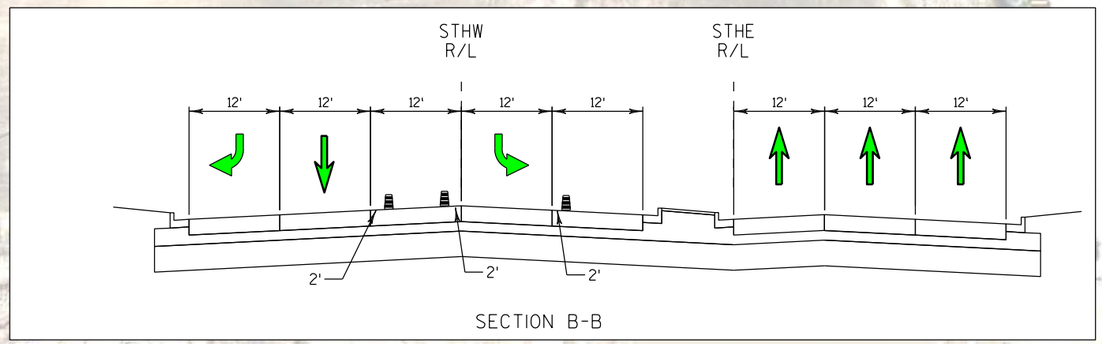
B

B



SECTION A-A

N



SECTION B-B

MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 3d	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Traffic\10_Exhibits\926054_sht_s3d.dgn PLOT DATE: 10/17/2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

2

N

CONSTRUCTION ID: 3760-00-70

CONSTRUCTION ID: 3760-00-71

BRAUN ROAD

CTH H

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

EXISTING ℄

BRW R/L

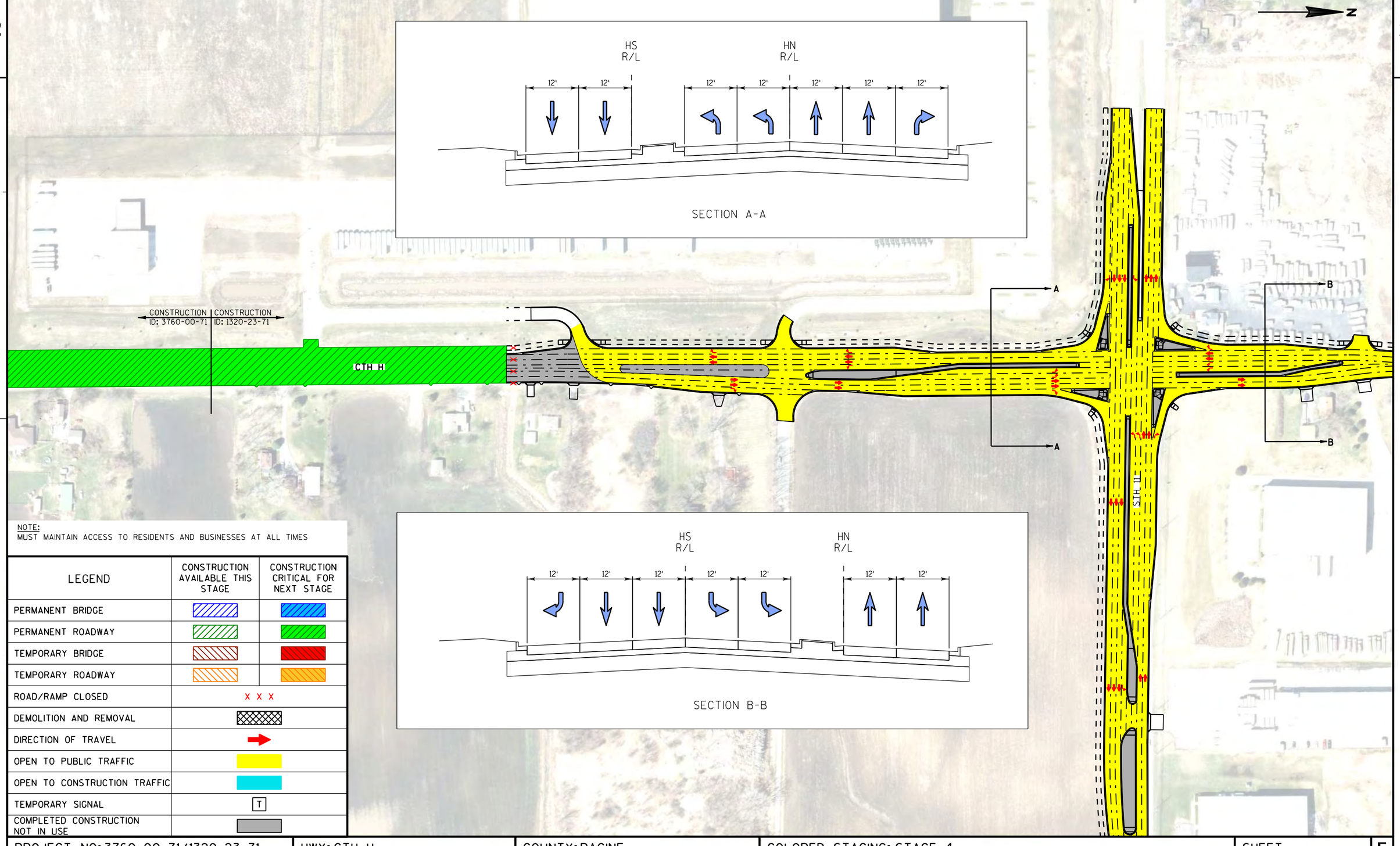
BRE R/L

SECTION A-A

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 4	SHEET 300	E

2

SECTION A-A



SECTION B-B

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 4	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Traffic\10 Exhibits\265027_MS4.dgn PLOT DATE : 10/4/2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

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2

N

CANADIAN PACIFIC RAILROAD

CTH H

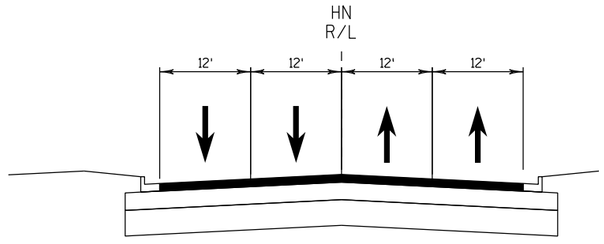
ENTERPRISE DR

A

A

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		



SECTION A-A

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 4	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\Exhibits\Exhibit 10 Staging 1 of 4 - 265033_aws4.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

WISDOT/CADDS SHEET 42

2

CANADIAN PACIFIC RAILROAD

CTH H

CONSTRUCTION ID: 1320-23-73

CONSTRUCTION ID: 1320-23-71

STH 11

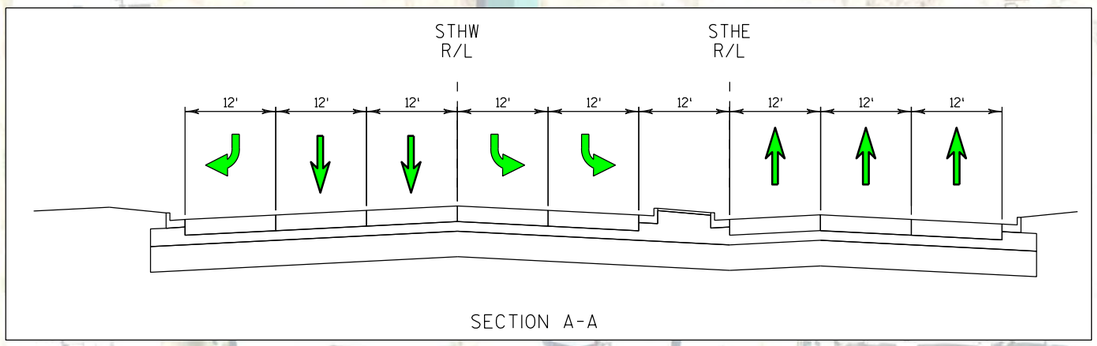
A

A

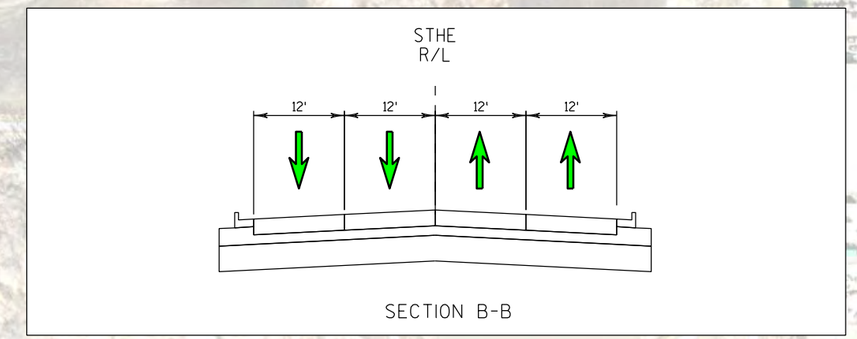
B

B

N



SECTION A-A



SECTION B-B

NOTE:
MUST MAINTAIN ACCESS TO RESIDENTS AND BUSINESSES AT ALL TIMES

LEGEND	CONSTRUCTION AVAILABLE THIS STAGE	CONSTRUCTION CRITICAL FOR NEXT STAGE
PERMANENT BRIDGE		
PERMANENT ROADWAY		
TEMPORARY BRIDGE		
TEMPORARY ROADWAY		
ROAD/RAMP CLOSED	X X X	
DEMOLITION AND REMOVAL		
DIRECTION OF TRAVEL		
OPEN TO PUBLIC TRAFFIC		
OPEN TO CONSTRUCTION TRAFFIC		
TEMPORARY SIGNAL	T	
COMPLETED CONSTRUCTION NOT IN USE		

PROJECT NO: 1320-23-71	HWY: CTH H	COUNTY: RACINE	COLORED STAGING: STAGE 4	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Traffic\10_Exhibits\20190926020_Exhibits4.dgn PLOT DATE : 10/4/2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 200:1

2

GENERAL NOTES FOR TRAFFIC CONTROL

1) THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGN DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL ITEMS SHALL BE ADJUSTED IN COORDINATION WITH ADJACENT CONSTRUCTION PROJECTS.

2) "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

3) FOR NIGHTTIME OPERATION, ALL DRUMS IN TAPERS SHALL HAVE A TYPE C STEADY BURN WARNING LIGHT.

4) TRAFFIC CONTROL ITEMS THAT ARE SHOWN SCREENED ARE PLACED IN PREVIOUS STAGES AND ARE DISPLAYED FOR REFERENCE ONLY.

5) ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE A (LOW INTENSITY FLASHING) LIGHTS.

6) REMOVE EXISTING PAVEMENT MARKINGS WHEN IN CONFLICT WITH PROPOSED OR TEMPORARY PAVEMENT MARKINGS. EXISTING PAVEMENT MARKING REMOVALS SHALL BE PAID FOR UNDER THE STANDARD BID ITEM MARKING REMOVAL LINE

7) SEE REMOVAL SHEETS FOR ROADWAY REMOVAL INFORMATION. ALL TEMPORARY PAVEMENT MARKINGS ON ASPHALT SHALL BE STANDARD BID ITEMS FOR REMOVABLE TAPE. ALL TEMPORARY PAVEMENT MARKINGS ON CONCRETE SHALL BE STANDARD BID ITEMS FOR REMOVABLE CONTRAST TAPE.

8) ALL PAVEMENT MARKING STATIONING IN TRAFFIC CONTROL PLANS HAVE THE PREFIX OF THE ALIGNMENT FROM WHICH THE MARKING IS MEASURED.

9) PROPOSED SIGNING TO BE INSTALLED WITH RESPECTIVE STAGE. SIGNS NO LONGER IN USE SHALL BE PROMPTLY COVERED FOLLOWING TRAFFIC CONTROL COVERING SIGNS TYPE II. FIELD ENGINEER TO DESIGNATE APPROPRIATE SIGNS TO COVER.

10) ALL FIXED MESSAGE SIGNS SHALL BE BLACK NON-REFLECTIVE MESSAGE ON STANDARD REFLECTIVE SHEETING - REFERENCE: "WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION", LATEST EDITION.

11) SEE FIXED MESSAGE SIGN CONSTRUCTION DETAIL SHEETS FOR MORE INFORMATION

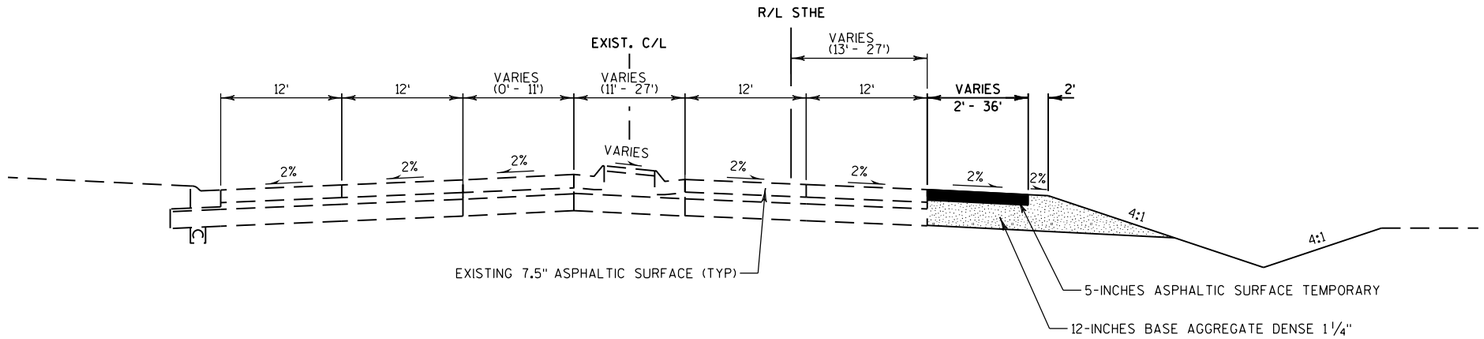
12) MOVING TRAFFIC CONTROL SIGNS FIXED MESSAGE SHALL FOLLOW STANDARD SPECIFICATIONS MOVING SIGNS TYPE II AND MOVING SMALL SIGN POSTS.

13) INSTALL FENCE SAFETY AT LOCATIONS DETERMINED BY FIELD ENGINEER.

TRAFFIC CONTROL LEGEND

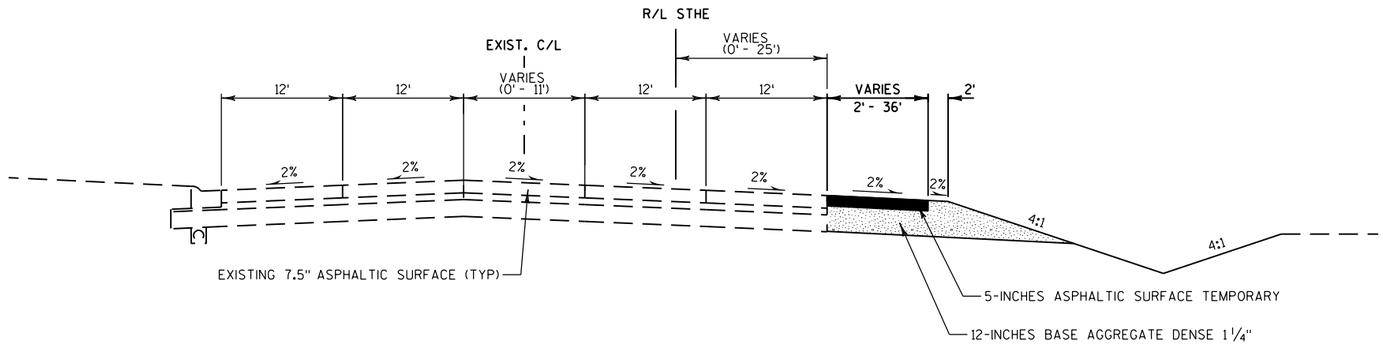
- ASPHALTIC SURFACE TEMPORARY
- (45) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
- (46) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
- (47) TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
- (49) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
- (50) TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (DASHED WHITE) (3 FT LINE 9 FT SKIP)
- (51) TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE)
- (105) TEMPORARY MARKING ARROW REMOVABLE TAPE (WHITE)
- (106) TEMPORARY MARKING WORD REMOVABLE TAPE (WHITE)
- TRAFFIC FLOW ARROW
- WORK ZONE
- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A
- TRAFFIC CONTROL BARRICADE TYPE III WITH LIGHTS TYPE A AND ATTACHED SIGN
- TRAFFIC CONTROL SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL SIGN ON TEMPORARY SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH LIGHT

2



TEMPORARY STH 11 WIDENING (STAGE 1B)

STA. 240STHE+17 - STA. 244STHE+61



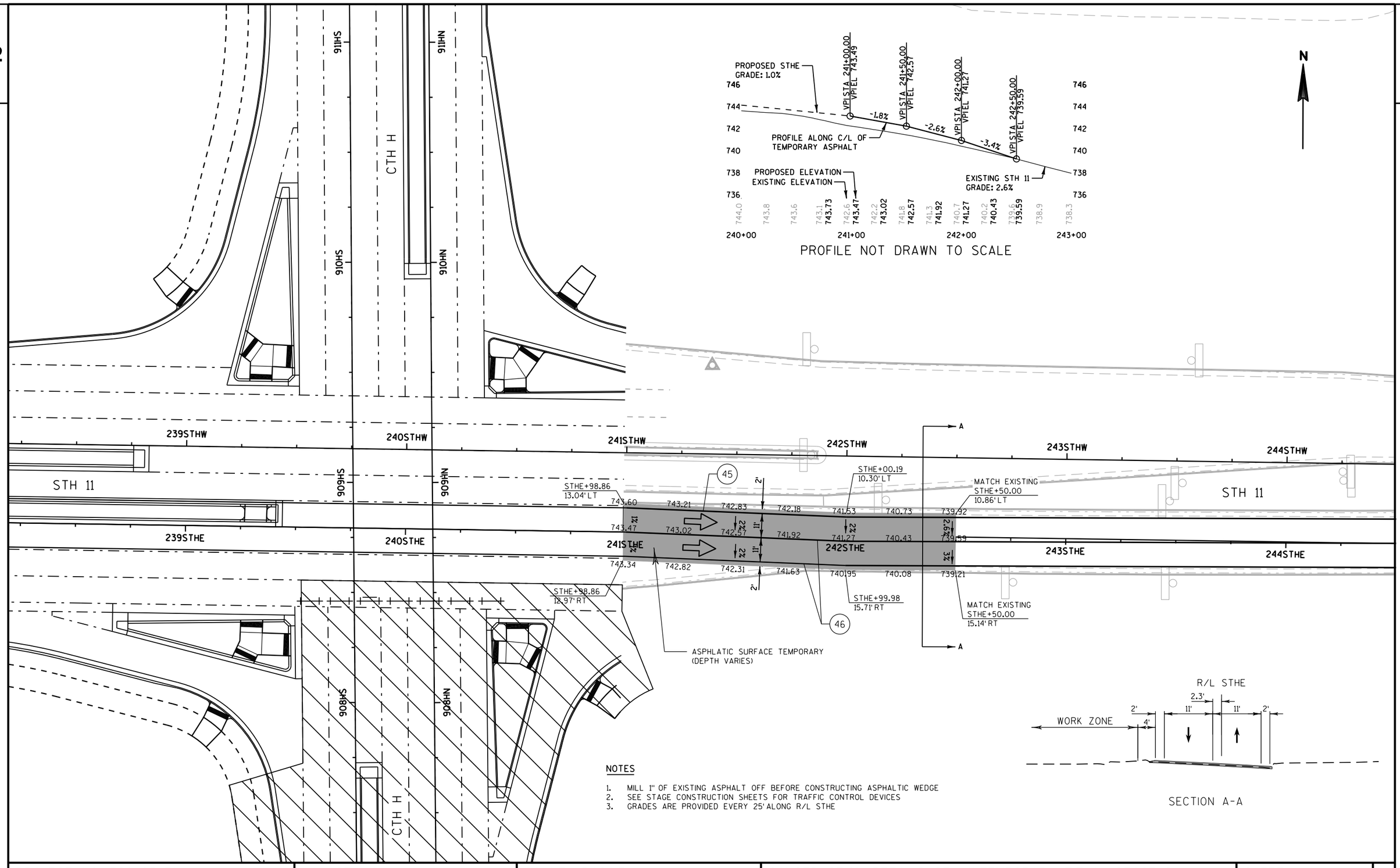
TEMPORARY STH 11 WIDENING (STAGE 3B)

STA. 250STHE+25 - STA. 256STHE+04

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TYPICAL SECTIONS: STH 11 STAGING	SHEET 305	E

2

PROFILE NOT DRAWN TO SCALE



ASPHLATIC SURFACE TEMPORARY
(DEPTH VARIES)

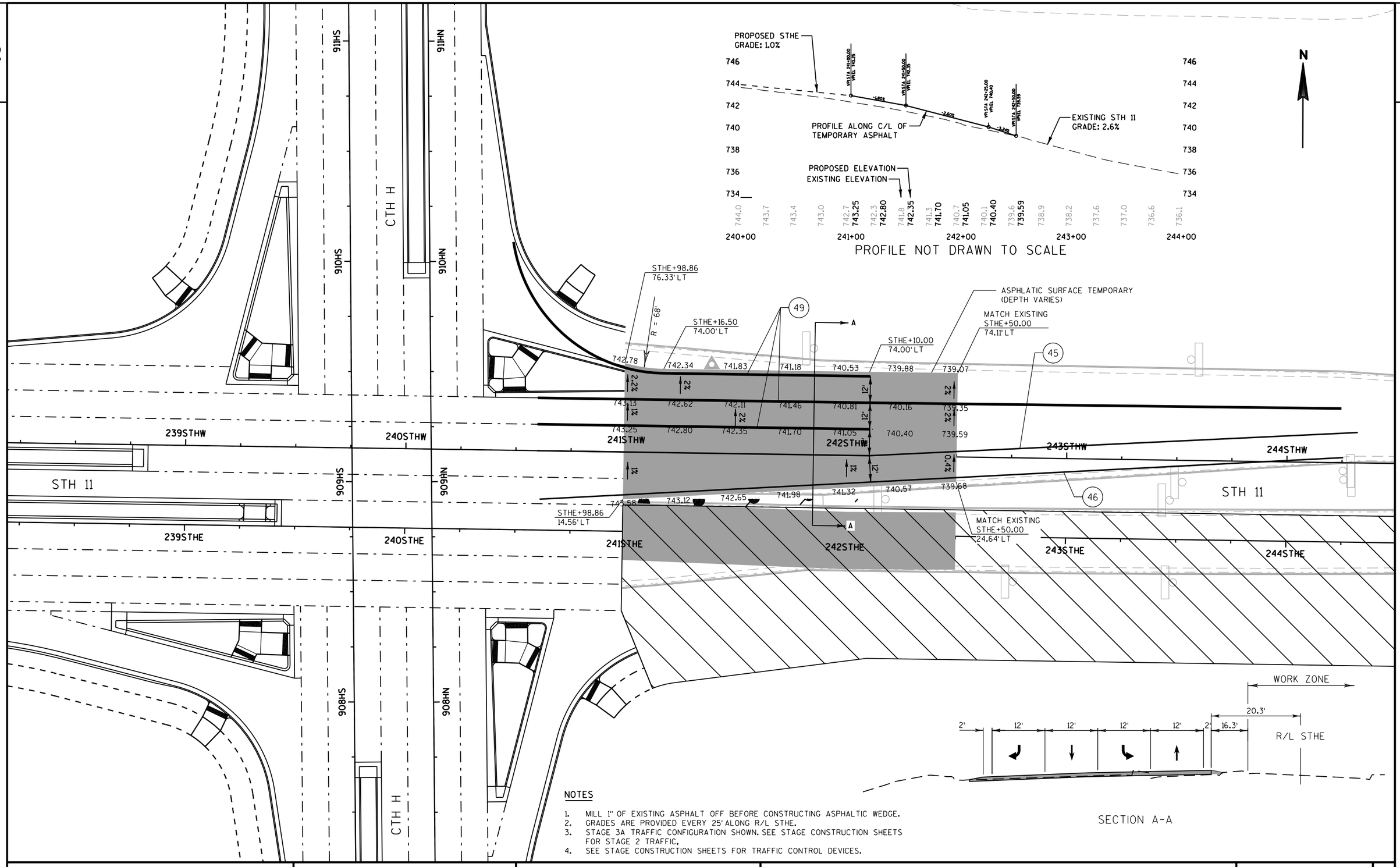
SECTION A-A

NOTES

1. MILL 1" OF EXISTING ASPHALT OFF BEFORE CONSTRUCTING ASPHALTIC WEDGE
2. SEE STAGE CONSTRUCTION SHEETS FOR TRAFFIC CONTROL DEVICES
3. GRADES ARE PROVIDED EVERY 25' ALONG R/L STHE

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CONSTRUCTION DETAILS: STH 11 TEMPORARY TIE-IN (STAGE 2)	SHEET 306	E

2



NOTES

1. MILL 1" OF EXISTING ASPHALT OFF BEFORE CONSTRUCTING ASPHALTIC WEDGE.
2. GRADES ARE PROVIDED EVERY 25' ALONG R/L STHE.
3. STAGE 3A TRAFFIC CONFIGURATION SHOWN. SEE STAGE CONSTRUCTION SHEETS FOR STAGE 2 TRAFFIC.
4. SEE STAGE CONSTRUCTION SHEETS FOR TRAFFIC CONTROL DEVICES.

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CONSTRUCTION DETAILS: STH 11 TEMPORARY TIE-IN (STAGE 2/3A)	SHEET 307	E

2

2

UNFI EMPLOYEE DRIVEWAY TO BE BUILT IN SUBSTAGES, HES CONCRETE

UNFI TRUCK AND EMPLOYEE ACCESS FROM SOUTH

PROPOSED STORM SEWER

STAGE 2A

UNFI TRUCK ACCESS FROM SOUTH

ROAD CLOSED

UNFI EMPLOYEE ACCESS FROM NORTH

ROAD CLOSED

PROPOSED STORM SEWER

TEMPORARY PAVEMENT FOR CROSSOVER, TO BE FINISHED IN STAGE 3d

STAGE 2B

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CONSTRUCTION DETAILS: CTH H STAGE 2a/2b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\Stage 2\Stage 2a_2b_Detail.dgn PLOT DATE : 12/23/2025 10:58:34 AM PLOT BY : jdepies PLOT NAME : $FILE$ PLOT SCALE : 100:1

WISDOT/CADDS SHEET 42

2

N

END
ROAD WORK
G20-2A
48" X 24"

25'
TYP.

50'
TYP.

A

SIGN

STH+12.39
17.48' RT

46

STH+93.26
9.06' RT

262STH

264STH

266STH

268STH

270STH

MATCHLINE 271STH+50

SIGN

SIGN

SIGN

SIGN

SIGN

WO1-6
48" X 24"

TYPE III BARRICADE

LANE
CLOSED
R11-2-L
48" X 30"

A

TRAFFIC CONTROL SIGNS ON EASTBOUND STH 11

ROAD WORK AHEAD W20-1

RIGHT LANE CLOSED AHEAD W20-5

W4-2R

START OF MERGING TAPER

500'

1000'

1000'

W

11' 11' 11' 11'

2' 2'

SECTION A-A

W

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STH 11 SIDEWALKS	SHEET 309 E

2

ROAD WORK AHEAD
W20-1

END ROAD WORK
G20-2A
48" X 24"

LANE CLOSED
R11-2-L
48" X 30"

50'
TYP.

BEGIN RIGHT TURN LANE
R3-20R
24" X 36"

LANE CLOSED
R11-2-L
48" X 30"

W01-6
48" X 24"
TYPE III BARRICADE

25'
TYP.

N

A

STH+09.02
29.00'LT

STH+70.60
29.00'LT

STH+05.46
29.58'LT

STH+84.63
44.44'LT

105
106
49
46

MATCHLINE 271STH+50

271STH
274STH
276STH
278STH
280STH
282STH

100RD
98RD

LANE CLOSED
R11-2-L
48" X 30"

END ROAD WORK
G20-2A
48" X 24"

APPROX. 200'
APPROX. 200'

ROAD WORK AHEAD
W20-1

SIGN

11' 12' 12' 12' 11' 11'
4' 4'
2' 2'
SECTION A-A

TRAFFIC CONTROL SIGNS ON EASTBOUND STH 11

START OF MERGING TAPER

W24-2R
RIGHT LANE CLOSED AHEAD
W20-5
ROAD WORK AHEAD
W20-1

500'
1000'
1000'

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STH 11 SIDEWALKS	SHEET 310	E

2

2

STH 20 WASHINGTON AVE

N

W ROAD

CTH H

INTERNATIONAL DRIVE

WISCONSIN STREET

90TH STREET

WILLOW ROAD

LOUIS SORENSON ROAD

105TH STREET

CTH H

STH 11 DURAND AVENUE

STH 11 DURAND AVENUE

COUNTY H
M1-5A
24" X 24"

ROAD CLOSED AHEAD
W20-3A
48" X 48"

DETOUR AHEAD
W20-2A
48" X 48"

ROAD CLOSED 500 FT
W20-3D
48" X 48"

BEGINNING OF CONSTRUCTION

500'

1000'

1500'

END ROAD WORK
G20-2A
48" X 24"

END OF CLOSURE

500'

GENERAL NOTES

1) SIGNS MAY BE ADJUSTED BY ENGINEER TO FIT FIELD CONDITIONS

2) ADDITIONAL SIGNING WITHIN THE PROJECT LIMITS WILL BE SPECIFIED WITHIN THE "TRAFFIC CONTROL DETAILS"

3) REFER TO THE DETOUR PLAN SHEET FOR ADDITIONAL SIGNING. MODIFY ADVANCED WARNING SIGNS AS REQUIRED TO ELIMINATE CONFLICTING MESSAGES.

4) COORDINATE STH 11 ADVANCED SIGNING WITH PROJECT 1320-23-70

PROJECT NO: 1320-23-71/3760-00-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: ADVANCED WARNING SIGNS - STAGE 1	SHEET 311	E

2

LOUIS SORENSON ROAD

INTERNATIONAL DRIVE

STH 11 DURAND AVENUE

WISCONSIN STREET

90TH STREET

N

2

WISCONN VALLEY WAY

CTH H 105TH STREET

90TH STREET

BRAUN ROAD

BRAUN ROAD

BRAUN ROAD

COUNTY H
M1-5A
24" X 24"

ROAD CLOSED AHEAD
W20-3A
48" X 48"

DETOUR AHEAD
W20-2A
48" X 48"

ROAD CLOSED 500 FT
W20-3D
48" X 48"

BEGINNING OF CONSTRUCTION

500'

1000'

1500'

END ROAD WORK
G20-2A
48" X 24"

END OF CLOSURE

500'

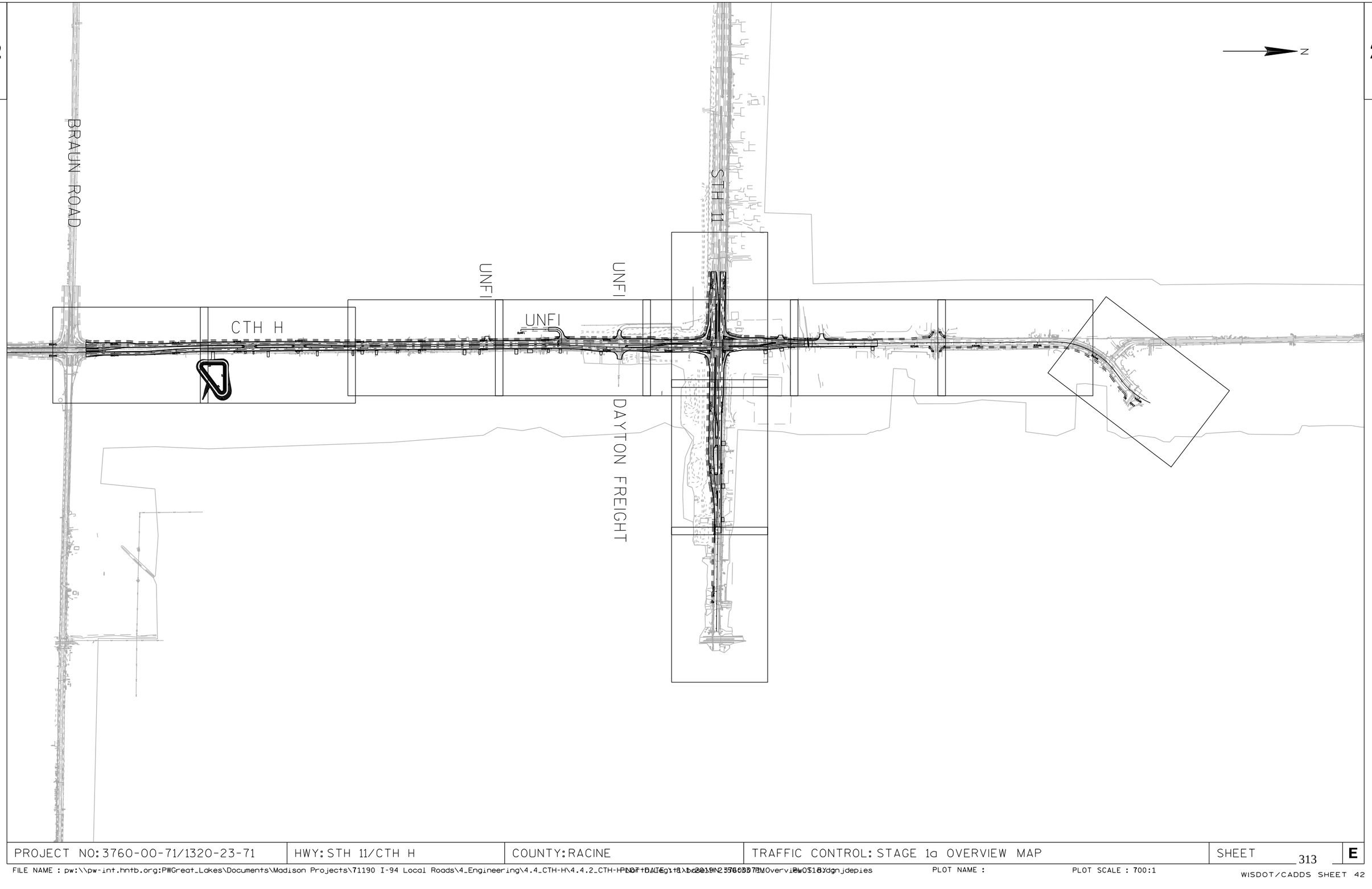
GENERAL NOTES

1) SIGNS MAY BE ADJUSTED BY ENGINEER TO FIT FIELD CONDITIONS

2) ADDITIONAL SIGNING WITHIN THE PROJECT LIMITS WILL BE SPECIFIED WITHIN THE "TRAFFIC CONTROL DETAILS"

3) REFER TO THE DETOUR PLAN SHEET FOR ADDITIONAL SIGNING. MODIFY ADVANCED WARNING SIGNS AS REQUIRED TO ELIMINATE CONFLICTING MESSAGES.

PROJECT NO: 1320-23-71/3760-00-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: ADVANCED WARNING SIGNS - STAGES 2, 3, AND 4	SHEET 312 E



2

PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a OVERVIEW MAP	SHEET 313	E

2

N

BRAUN ROAD

856HS

858HS

860HS

862HS

864HS

866HS

CTH H

856HN

858HN

860HN

862HN

864HN

866HN

MATCHLINE 867HN+25

A

A

EXISTING

12'

12'

SECTION A-A

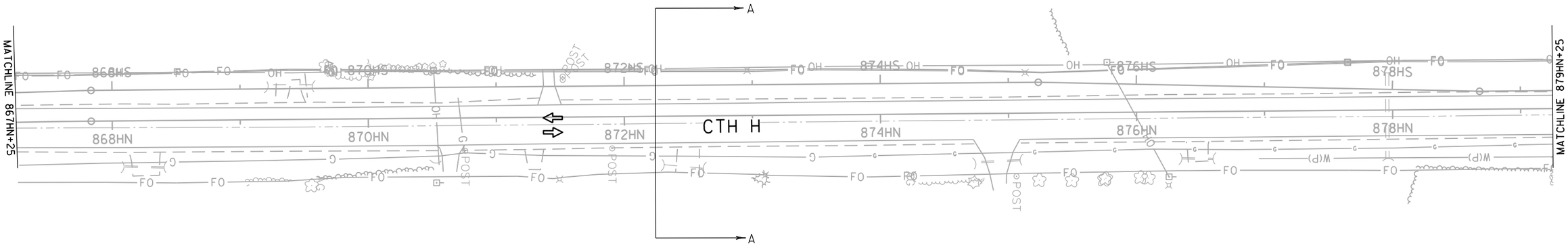
NOTE:
SEE TRAFFIC CONTROL GENERAL NOTES FOR ADVANCED SIGNING

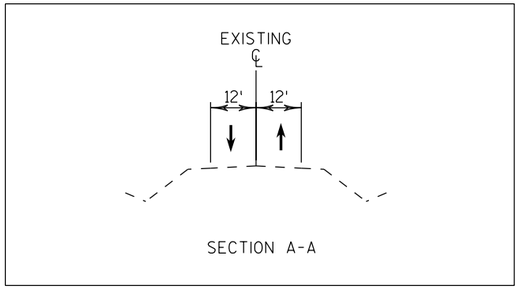
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 314	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlanSheets\8.1_20190626_TCP_Stage1a.dgn PLOT DATE : 8/1/2019 2:10:38 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N


A
A
MATCHLINE 867HN+25
MATCHLINE 879HN+25
CTH H
868HN
870HN
872HN
874HN
876HN
878HN
868HS
870HS
872HS
874HS
876HS
878HS
FO
OH
G
W(P)
G POST
T POST
G POST

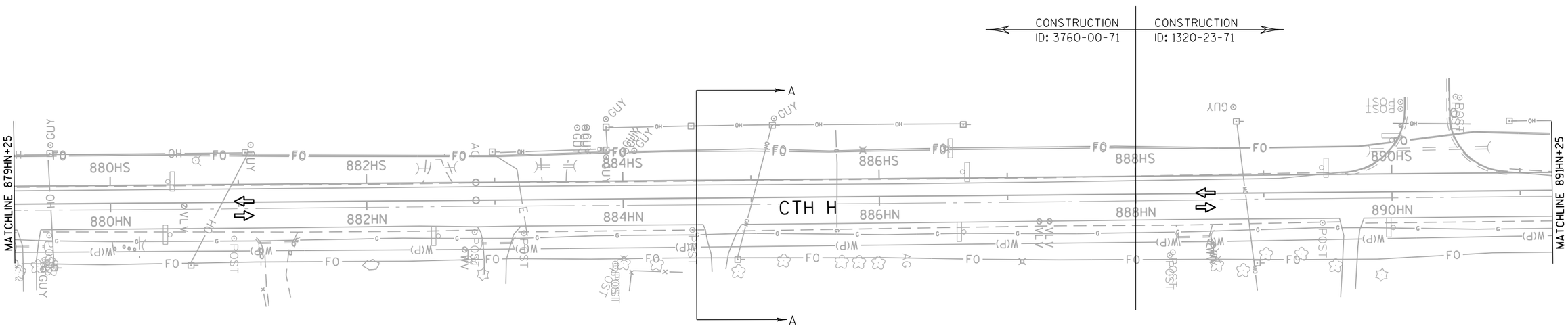

EXISTING
℄
12'
12'
SECTION A-A

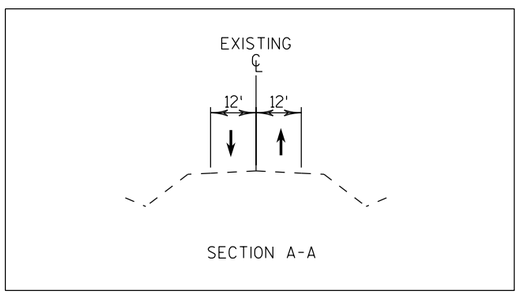
2

N

CONSTRUCTION
ID: 3760-00-71

CONSTRUCTION
ID: 1320-23-71





PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 316	E

2

N

UNFI DRIVEWAY

2UNFI

UNFI EMPLOYEE DRIVEWAY

CTH H

SAN

MATCHLINE 891HN+25

MATCHLINE 903HN+25

892HS 894HS 896HS 898HS 900HS 902HS

892HN 894HN 896HN 898HN 900HN 902HN

ROAD WORK AHEAD W20-1

SHOULDER WORK W21-5

DAYTON FREIGHT DRIVEWAY

EXISTING

12' 12'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 317	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\1320-23-71_Sht1.dgn PLOT DATE: 1/28/2026 8:30:51 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

STH 11

238STHE

238STHW

240STHE

240STHW

242STHW

CTH H

MATCHLINE 903HN+25

MATCHLINE 915HN+25

HN+75.12
22.50' LT

HN+67.27
22.50' LT

HN+48.81
33.00' LT

A

A

50

51

50'
TYP.

25'
TYP.

RIGHT TURN ONLY
R3-53R
24" X 30"

STOP HERE ON RED
R10-6
24" X 36"

STOP HERE ON RED
R10-6
24" X 36"

CONSTRUCTION VEHICLE ENTRANCE/EXIT

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

EXISTING
℄

12' 12' 12' 12'

2'

CONSTRUCTION TRAFFIC ONLY

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 318	E

2

N

ENTERPRISE WAY

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

MATCHLINE 915HN+25

MATCHLINE 927HN+25

CTH H

916HN

918HN

920HN

922HN

924HN

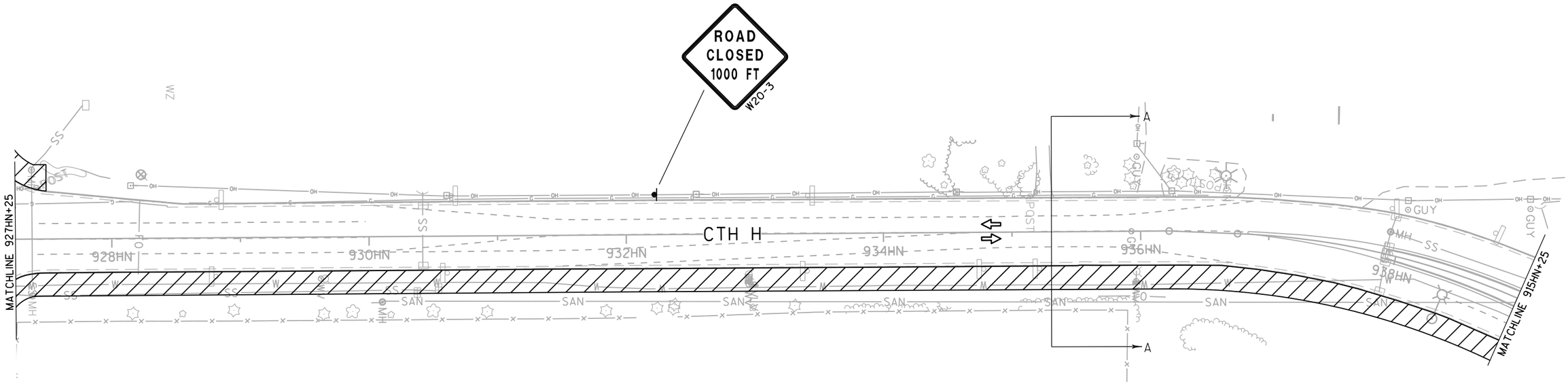
926HN

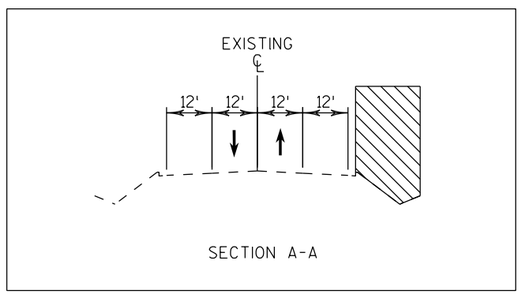
NOTE:
MAINTIAN ACCESS AT ENTERPRISE WAY INTERSECTION AT ALL TIMES

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 319	E

2

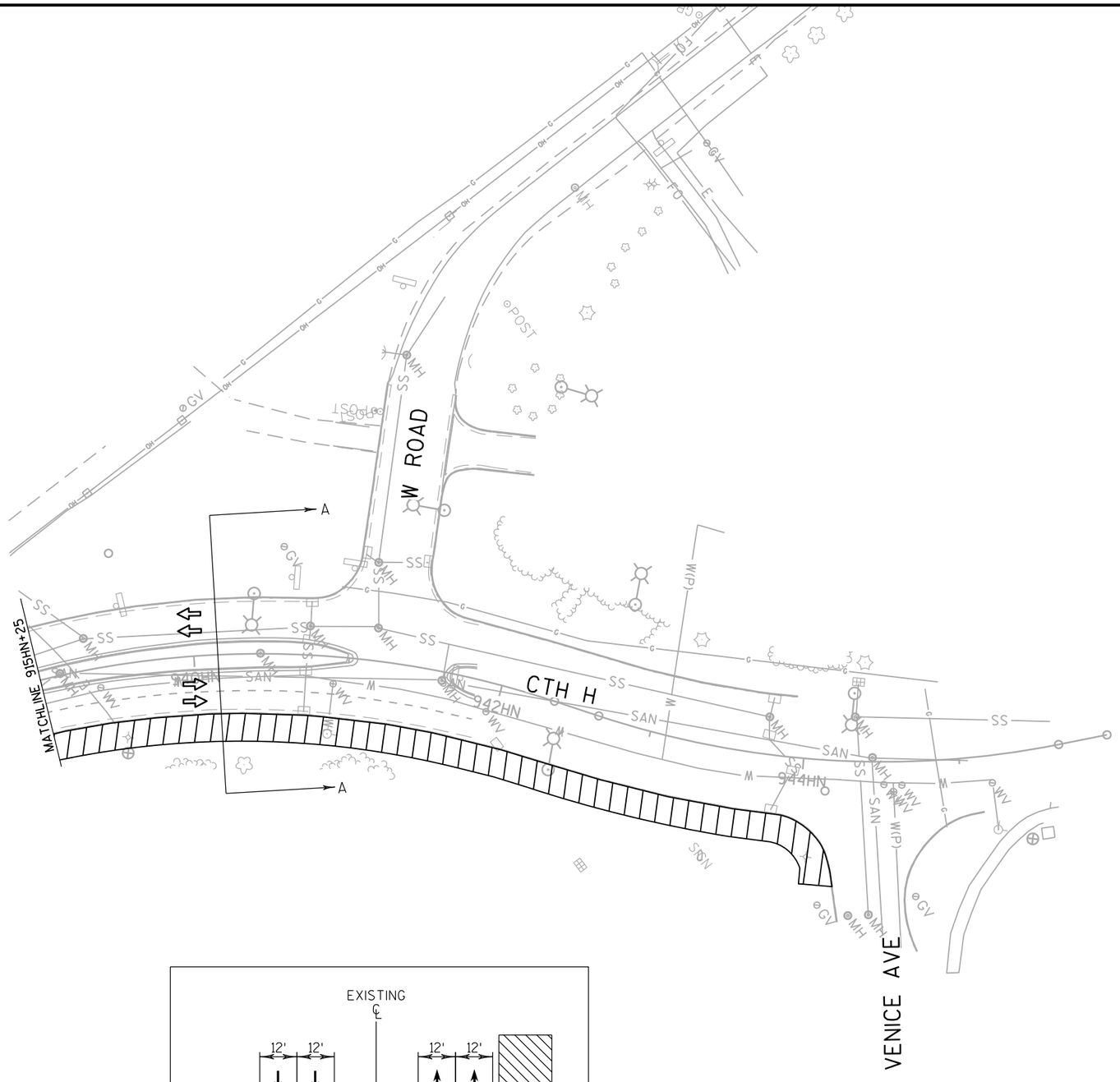
N

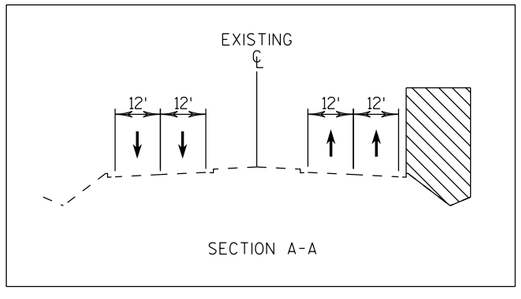




PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 320	E

2





PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 321	E

2

CONSTRUCTION
ID: 1320-23-70

CONSTRUCTION
ID: 1320-23-71

CONSTRUCTION BY OTHERS

STH 11

CTH H

N

W01-4R

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

W01-6
48" X 24"
TYPE III BARRICADE

51

STHE+45.78
21.13' LT

46

STHE+89.04
32.42' LT

MATCHLINE 243STHE+00

25'
TYP.

50'
TYP.

SECTION A-A

12'
12'
2'

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 322	E

2

N

W01-4L

W01-4L

W01-6
48" X 24"
TYPE III BARRICADE

50'
TYP.

25'
TYP.

STHE+32.01
51.00' LT

STHE+82.92
52.18' LT

STHE+83.50
40.18' LT

STHE+32.67
66.97' LT

STHE+33.85
55.02' LT

STHE+19.41
32.19' LT

STHE+49.97
12.06' LT

STH 11

STHE+97.75
4.34' LT

STHE+97.13
7.65' RT

STHE+49.34
0.07' LT

STHE+81.18
13.47' RT

MATCHLINE 243STHE+00

MATCHLINE 255STHE+00

LANE CLOSED
R11-2-L
48" X 30"

LANE CLOSED
R11-2-L
48" X 30"

LANE CLOSED
R11-2-L
48" X 30"

SECTION A-A

12' 12' 12' 12'
2' 2'

NOTE:
GAP DRUMS TO PROVIDE ACCESS TO DRIVEWAYS ON NORTH SIDE OF STH 11

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 323 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlanSheets\Stage1a\20260219151518.dgn PLOT DATE : 19 February 2026 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

400'

W04-2L

LEFT LANE CLOSED AHEAD
W20-5

ROAD WORK AHEAD
W20-1

STHE+39.61
0.32' LT

MATCHLINE 255STHE+00

STH 11

256STHE

258STHE

260STHE

262STHE

NOTE:
DO NOT PLACE TRAFFIC CONTROL DEVICES WITHIN 50 FT
OF THE CANADIAN PACIFIC RAILROAD RIGHT OF WAY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1a	SHEET 324	E

2

2

N

BRAUN ROAD

CTH H

UNFI

UNFI

UNFI

STH 11

DAYTON FREIGHT

PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1b OVERVIEW MAP	SHEET 325	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlanSheets\20190437600D7RMOverviewWOS1b.dgn PLOT DATE : 8/20/2019 4:37:00 PM jdepies PLOT NAME : PLOT SCALE : 700:1

WISDOT/CADDS SHEET 42

2

N

UNFI DRIVEWAY

2UNFI

UNFI EMPLOYEE DRIVEWAY

CTH H

SAN

892HS 894HS 896HS 898HS 900HS 902HS

892HN 894HN 896HN 898HN 900HN 902HN

MATCHLINE 903HN+25

ROAD WORK AHEAD W20-1

DAYTON FREIGHT DRIVEWAY

EXISTING

12' 12'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1b	SHEET 326	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H PLOT DATE : 8/1/2024 8:38:26 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

STH 11

STOP HERE ON RED
R10-6
24" X 36"

CONSTRUCTION VEHICLE ENTRANCE/EXIT

A

HN+75.12
22.50' LT

DOUBLE

HN+48.64
22.50' LT

HN+66.37
34.00' LT

HN+21.01
22.50' LT

906HN+70.77
R=300', 266.00' RT

MATCHLINE 903HN+25

CTH H

45

51

50

HN+71.01
10.50' LT

RIGHT TURN ONLY
R3-53R
24" X 30"

A

STOP HERE ON RED
R10-6
24" X 36"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

EXISTING
℄
12' 12' 12' 12'
CONSTRUCTION TRAFFIC ONLY
SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1b	SHEET 327	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Traffic\Exhibits\Stage 1b\Stage 1b.dgn PLOT DATE : 1/25/2025 8:32:12 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42

2

2

CONSTRUCTION
ID: 1320-23-70

CONSTRUCTION
ID: 1320-23-71

CONSTRUCTION BY OTHERS

N

CTH H

STH 11

241STHE+81.42, 570.00' LT
R=624'.00

STHE+81.43
42.00' RT

STHE+56.43
54.00' RT

STHE+66.64
71.07' RT

STHE+83.51
42.00' RT

240STHE+95.63
R=60', 90.02' RT

STHE+17.84
130.48' RT

MATCHLINE 243STHE+00

DOUBLE

25' TYP.

12' 12'

51

45

46

A

W01-4R

PLEASE VERIFY BAT POINTS

* WIDTH VARIES

12' 12'

2' 2'

TEMPORARY PAVEMENT

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1b	SHEET 328	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 9/25/2025 9:31:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42

2

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

W01-4L

W01-4L

25'
TYP.

A

A

46

STHE+35.11
26.54' LT

244STHW

246STHW

248STHW

250STHW

252STHW

254STHW

STH 11

MATCHLINE 243STHE+00

MATCHLINE 255STHE+00

12'

12'

STHE+60.48
12.33' RT

STHE+31.63
0.62' RT

STHE+18.47
2.38' LT

STHE+44.27
16.19' RT

DOUBLE

46

45

STHE+46.99
31.63' RT

244STHE+99.81
R=576', 586.99' RT

POST

POST

12'

12'

6'

2'

TEMPORARY PAVEMENT

SECTION A-A

NOTE:
GAP DRUMS TO PROVIDE ACCESS TO DRIVEWAYS ON NORTH SIDE OF STH 11

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlanSheets\Traffic\Stage1\1320236508_sht16.dgn PLOT DATE : 8/1/2024 8:15:38 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

400'

W01-6
48" X 24"
TYPE III BARRICADE

W04-2R

RIGHT LANE CLOSED AHEAD
W20-5

ROAD WORK AHEAD
W20-1

46

STHE+78.61
23.39' LT

MATCHLINE 255STHE+00

STH 11

256STHE

258STHE

260STHE

262STHE

NOTE:
DO NOT PLACE TRAFFIC CONTROL DEVICES WITHIN 50 FT
OF THE CANADIAN PACIFIC RAILROAD RIGHT OF WAY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 1b	SHEET 330	E

2

2

BRAUN ROAD

CTH H

UNFI

UNFI

UNFI

STH 11

DAYTON FREIGHT

N

PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a OVERVIEW MAP	SHEET 331	E

2

N

BRAUN ROAD

856HS

858HS

860HS

862HS

864HS

866HS

CTH H

856HN

858HN

860HN

862HN

864HN

866HN

MATCHLINE 867HN+25

A

A

ROAD CLOSED
TO
THRU TRAFFIC
R11-4
60" X 30"

EXISTING
℄
12'
12'

SECTION A-A

NOTE:
SEE TRAFFIC CONTROL GENERAL NOTES FOR ADVANCED SIGNING

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_MOT_Stg1_10_28_2025_1410_jdepies.dgn PLOT DATE : 10/28/2025 14:10:52 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

MATCHLINE 867HN+25

MATCHLINE 879HN+25

868HS 870HS 872HS 874HS 876HS 878HS

868HN 870HN 872HN 874HN 876HN 878HN

CTH H

A

A

ROAD CLOSED 1/2 MILE W20-3

EXISTING

℄

12' 12'

SECTION A-A

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 333	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 10/28/2025 1:20:23 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

CONSTRUCTION
ID: 3760-00-71

CONSTRUCTION
ID: 1320-23-71

MATCHLINE 879HN+25

MATCHLINE 891HN+25

880HS 882HS 884HS 886HS 888HS 890HS

880HN 882HN 884HN 886HN 888HN 890HN

CTH H

A

A

ROAD CLOSED 1000 FT
W20-3

EXISTING
℄
12' 12'

SECTION A-A

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 334	E

2

N

UNFI DRIVEWAY

2UNFI

UNFI EMPLOYEE DRIVEWAY

MATCHLINE 891HN+25

MATCHLINE 903HN+25

892HS

894HS

892HN

894HN

896HN

898HN

900HN

902HN

CTH H

SAN

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

DAYTON FREIGHT DRIVEWAY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 335	E

2

N

CONSTRUCTION VEHICLE ENTRANCE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

STH 11

STOP
R1-1
30" X 30"

HN+89.44
101.55' LT

LANE CLOSED
R11-2-L
48" X 30"

25'
TYP.

W012-1D
24" X 24"

RIGHT TURN ONLY
R3-53R
24" X 30"

MATCHLINE 903HN+25

CTH H

MATCHLINE 915HN+25

CONSTRUCTION VEHICLE EXIT

STOP HERE ON RED
R10-6
24" X 36"

50'
TYP.

STOP
R1-1F
30" X 30"

LEFT LANE CLOSED AHEAD
W20-5

THRU LANE FOR CONSTRUCTION TRAFFIC

HS R/L

HN R/L

12' 12' 12' 12' 12' 12' 12' 12'

2' 2'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 336	E

2

N

ENTERPRISE WAY

ONLY ONLY
R3-8F
36" X 30"

W04-2L

MATCHLINE 915HN+25

916HS
916HN
918HN
920HN
922HN
924HN
926HN

CTH H

HN+25.00
0.00

HN+19.93
24.23' LT

46

HN+70.00
2.00' RT

A

25'
TYP.

11'
11'

45
DOUBLE

A

MATCHLINE 927HN+25

HN
R/L

11'
11'

2'

SECTION A-A

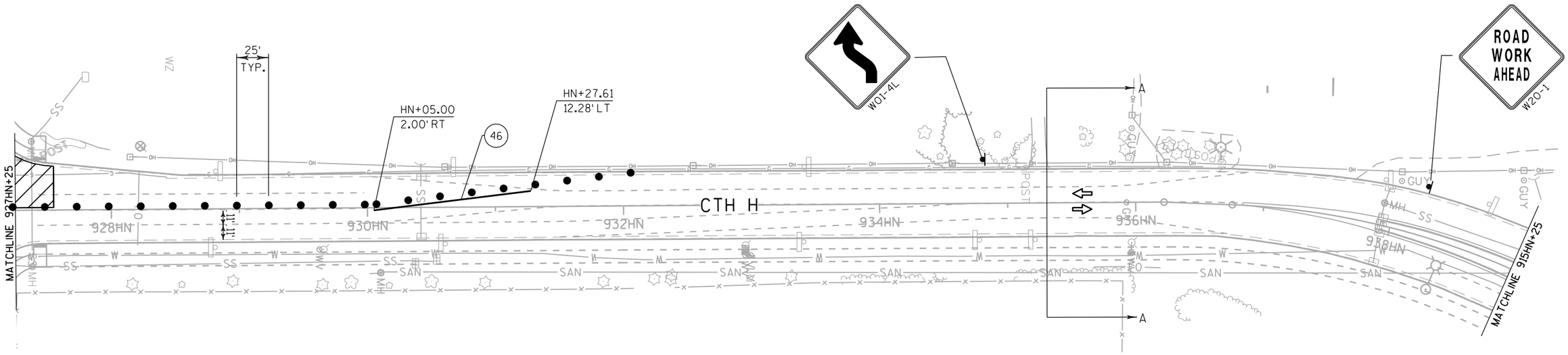
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 337	E

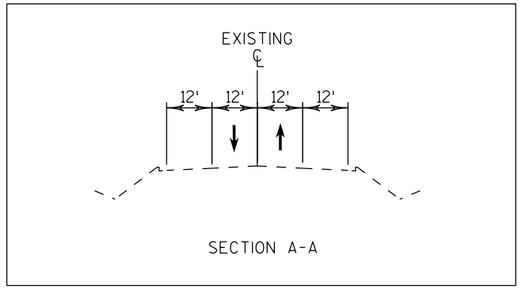
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_TCP_Stg1\Cadds\20251460222.dgn PLOT DATE: 10/28/2025 4:02:22 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42

2

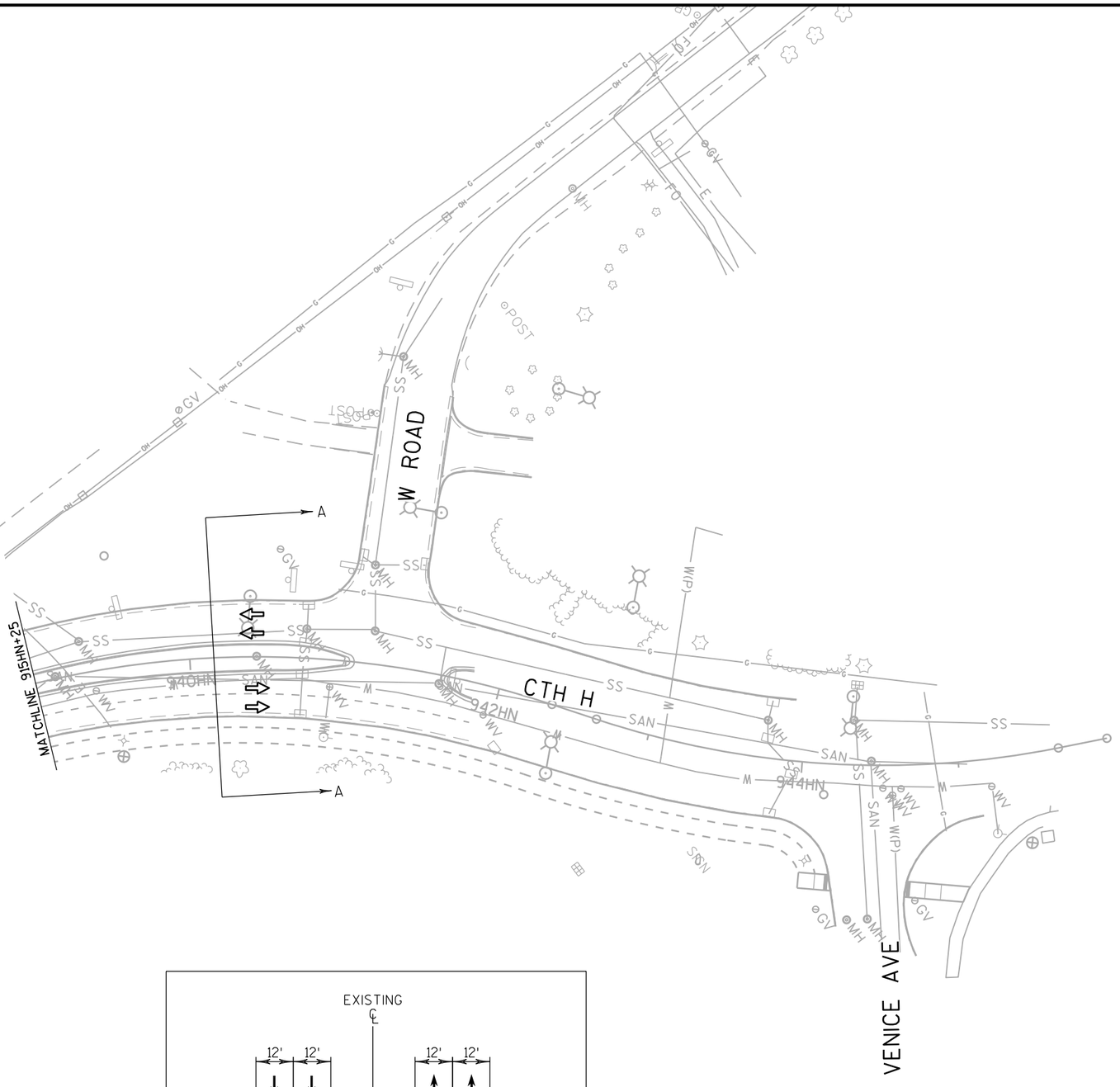
N

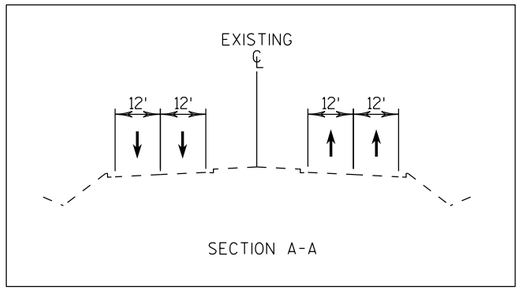




PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 338	E

2





PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 339	E

2

N

CONSTRUCTION ID: 1320-23-70

CONSTRUCTION ID: 1320-23-71

LEFT TURN LANE
R3-55L
24" X 30"

STH 11

DOUBLE
50' TYP.

STHE+21.93
11.75' LT

STHE+27.74
0.00

STHE+28.01
12.00' RT

STHE+86.58
36.00' LT

STHE+98.00
24.00' LT

STHE+98.27
12.00' LT

STHE+83.00
60.00' LT

STHE+85.16
36.00' LT

238STHE+85.16, 114.00' RT
R=150.00'

STHE+43.95
24.00' LT

STHE+59.54
24.00' LT

STHE+45.76
140.82' LT

STHE+49.74
121.00' LT

STOP
R1-1F
30" X 30"

241STHE+16.51, 142.00' LT
R=70.00'

240STHE+92.79, 61.34' LT
R=50.00'

STHE+16.51
72.00' LT

STHE+10.38
48.00' LT

STHE+59.54
60.00' LT

STHE+10.55
9.96' LT

STHE+92.20
11.34' LT

STHE+50.00
10.02' LT

MATCHLINE 243STHE+00

234STHE

236STHW

236STHE

238STHW

238STHE

240STHW

240STHE

242STHW

912HS

912HN

910HS

910HN

CTH H

STHE+00.00
24.00' RT

STHE+28.17
24.00' RT

STHE+98.54
0.00

STHE+98.80
12.00' RT

540 FT MERGING TAPER

LANE CLOSED
R11-2-L
48" X 30"

W01-4B

WO12-1R
24" X 24"

STOP
R1-1F
30" X 30"

25' TYP.

WO12-1R
24" X 24"

R11-2
48" X 30"

ROAD CLOSED

TYPE III BARRICADE

PLEASE VERIFY BAT POINTS

TRAFFIC CONTROL SIGNS ON EASTBOUND STH 11

ROAD WORK AHEAD W20-1

RIGHT LANE CLOSED AHEAD W20-5

W04-2R

W01-6
48" X 24"

×2 ×2 ×2

500'

1000'

1000'

5 DRUMS, 10' GAP IN FRONT OF BARRICADE

START OF MERGING TAPER

STHW R/L

STHE R/L

12' 12' 12' 12' 12' 12' 12' 12' 12' 12'

2' 2'

TEMPORARY PAVEMENT

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 340 E

2

N

MATCHLINE 243STHE+00

MATCHLINE 255STHE+00

STH 11

105

46

49

49

STHE+31.48
72.61' LT

STHE+31.51
60.61' LT

STHE+31.96
49.80' LT

11' 11' 12'

244STHW

246STHW

248STHW

250STHW

252STHW

254STHW

244STHE

246STHE

248STHE

250STHE

252STHE

254STHE

STHE+03.49
48.02' LT

STHE+03.30
36.02' LT

STHE+03.15
26.43' LT

STHE+11.47
43.56' LT

STHE+10.63
31.59' LT

STHE+62.34
25.65' LT

STHE+60.99
13.68' LT

25'
TYP.

A

A

DOUBLE
45

LEFT
TURN
LANE

R3-55L
24" X 30"

W012-1R
24" X 24"

FLAG

GUY

POST

POST

SAN

MH

SS

W(P)

OH(P)

WV

G

G(P)

FO

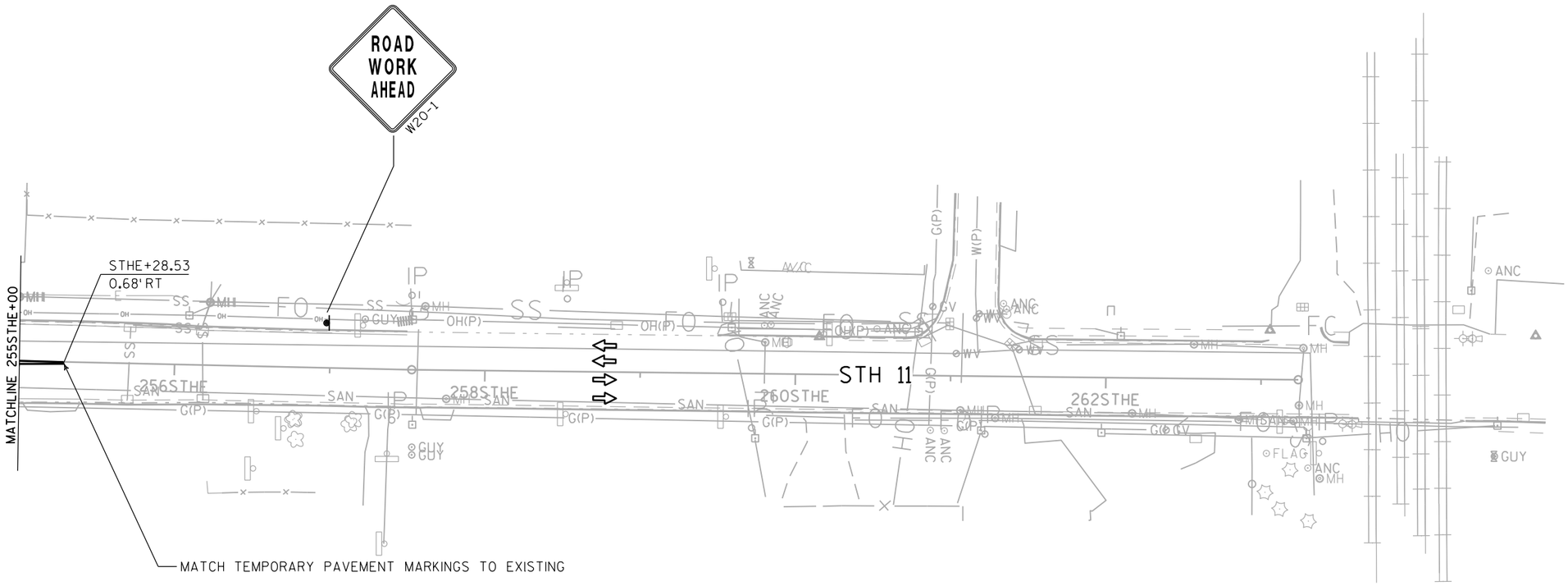
11.5' 11.5' 12' 11.5' 11.5'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 341	E

2

N



NOTE:
DO NOT PLACE TRAFFIC CONTROL DEVICES WITHIN 50 FT
OF THE CANADIAN PACIFIC RAILROAD RIGHT OF WAY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2a	SHEET 342	E

2

2

N

BRAUN ROAD

CTH H

UNFI

UNFI

UNFI

STH 11

DAYTON FREIGHT

PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2b OVERVIEW MAP	SHEET 343	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Traffic\10_Sheets\376000171_Overview_02b.dgn PLOT DATE : 10/8/2024 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 700:1

WISDOT/CADDS SHEET 42

2

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

UNFI DRIVEWAY
2UNFI

UNFI EMPLOYEE DRIVEWAY
903HN+50.91, 648.00' LT
R=588.00'

HN+45.17
44.73' LT

25'
TYP.

HN+66.66
65.51' LT

46

12 1/2'

CTH H

HN+79.29
45.61' LT

46

45

MATCHLINE 903HN+25

HN+64.83
41.54' LT

901HN+96.42, 554.12' RT
R=600.00'

892HS
894HS
892HN
894HN
898HS
900HS
902HS
898HN
900HN
902HN

FO
W(P)
GUY
POST
SAN
MH

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

DAYTON FREIGHT DRIVEWAY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2b	SHEET 344	E

2

N

STH 11

238TH PL

238TH ST

242ND ST

242ND AVE

CTH H

MATCHLINE 903HN+25

MATCHLINE 915HN+25

HN+50.91
60.00' LT

LEFT TURN LANE
R3-55L
24" X 30"

STOP
R1-1F
30" X 30"

STOP
R1-1
30" X 30"

50' TYP.

25' TYP.

A

WO12-1D
24" X 24"

906HS

908HS

910HS

912HS

914HS

904HN

906HN

908HN

910HN

912HN

914HN

HN+68.00
12.00' LT

HN+12.83
24.00' RT

HN+76.80
24.00' LT

HN+61.01
12.00' LT

HN+45.23
0.00

HN+28.59
24.00' RT

RIGHT TURN LANE
R3-55R
24" X 30"

STOP
R1-1F
30" X 30"

LANE CLOSED
R11-2-L
48" X 30"

WO12-1R
24" X 24"

STOP
R1-1F
30" X 30"

12'

46 45 51 106 105 49

HS R/L

HN R/L

12' 12' 12' 12' 12' 12' 12' 12'

2' 2'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2b	SHEET 345	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_TCP\Traffic Control Stage 2b.dgn

PLOT DATE : 10/28/2025 8:50:26 AM

PLOT BY : jdepies

PLOT NAME :

PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42

2

N

ENTERPRISE WAY

LEFT LANE
MUST
TURN LEFT
R3-7L
30" X 30"

MATCHLINE 915HN+25

916HS

916HN

918HN

CTH H

920HN

922HN

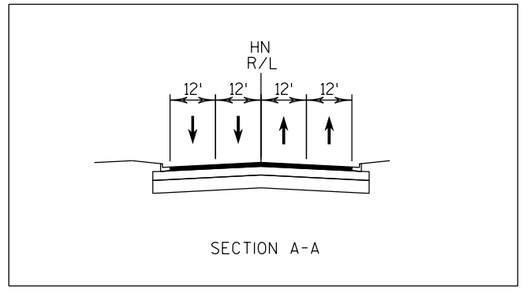
924HN

926HN

MATCHLINE 927HN+25

A

A



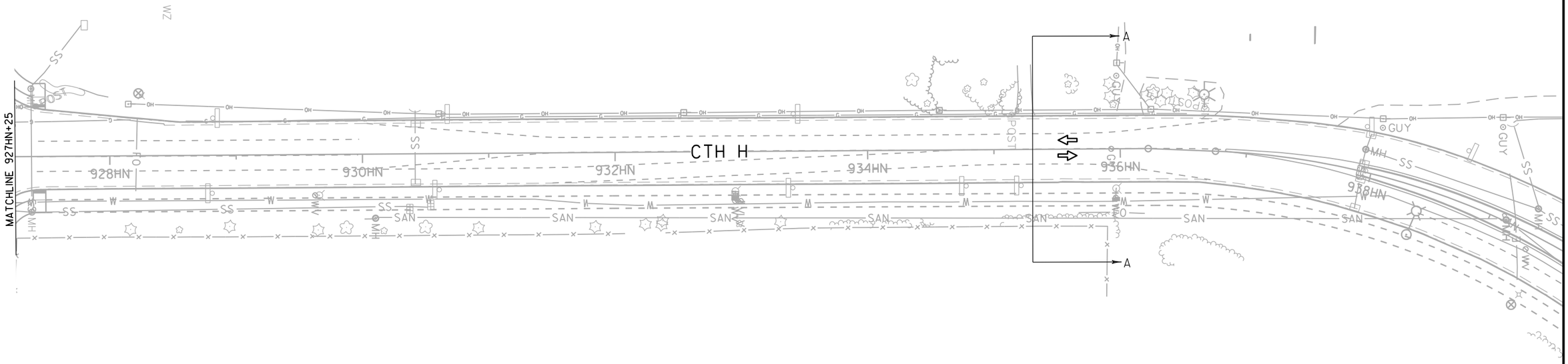
SECTION A-A

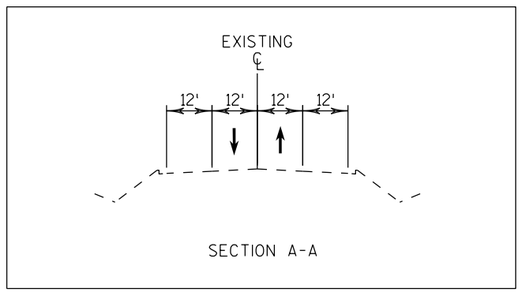
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 10/28/2025 4:50:28 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N





PROJECT NO:1320-23-71	HWY: STH 11	COUNTY:RACINE	TRAFFIC CONTROL: STAGE 2b	SHEET 347	E

2

N

CONSTRUCTION
ID: 1320-23-70

CONSTRUCTION
ID: 1320-23-71

LEFT TURN LANE
R3-55L
24" X 30"

STH 11

50'
TYP.

236STHW

238STHW

240STHW

242STHW

234STHE

236STHE

238STHE

240STHE

242STHE

12' 12' 12' 12'

A

WO12-1R
24" X 24"

CTH H

SH210

912HN

910HS

910HN

STOP
R1-1F
30" X 30"

SS

MH

RAIL

WP

POST

MATCHLINE 243STHE+00

105

106

51

540 FT MERGING TAPER

WO1-4B

LANE CLOSED
R11-2-L
48" X 30"

RIGHT TURN LANE
R3-55R
24" X 30"

STOP
R1-1
30" X 30"

STOP
R1-1F
30" X 30"

SH806

906HN

ONLY

25'
TYP.

WO12-1R
24" X 24"

TRAFFIC CONTROL SIGNS ON EASTBOUND STH 11

ROAD WORK AHEAD
W20-1

RIGHT LANE CLOSED AHEAD
W20-5

W04-2R

WO1-6
48" X 24"

×2 ×2 ×2

500'

1000'

1000'

5 DRUMS, 10' GAP IN FRONT OF BARRICADE

START OF MERGING TAPER

STHW R/L

STHE R/L

12' 12' 12' 12' 12' 12' 12' 12' 12' 12'

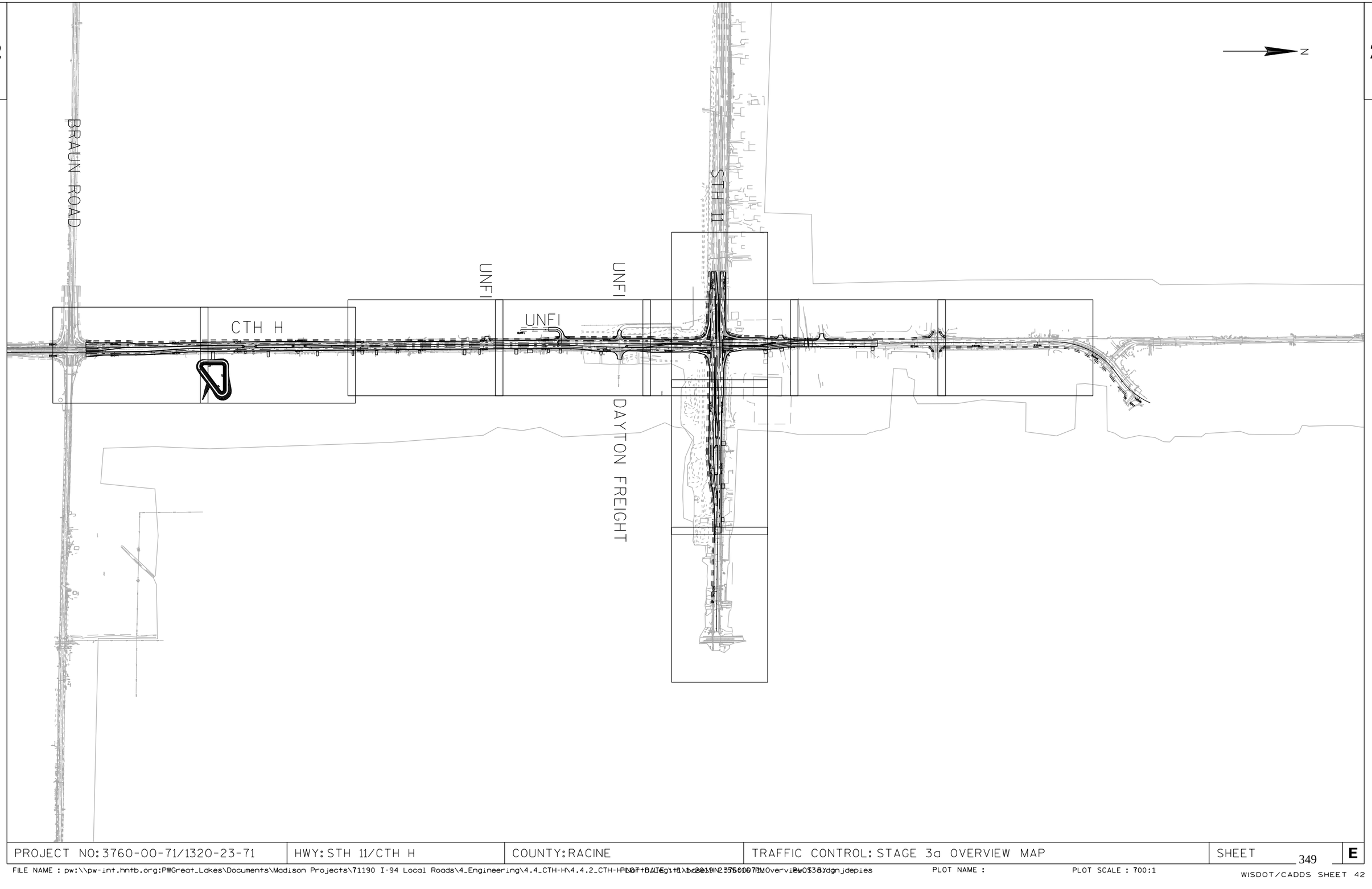
2' 2' 2'

TEMPORARY PAVEMENT

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 2b	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlotFiles\10_Sht_2025_1690_259.dgn PLOT DATE : 10/21/2025 8:25:59 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1



2

PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a OVERVIEW MAP	SHEET 349	E

2

N

BRAUN ROAD

856HS

858HS

860HS

862HS

864HS

866HS

856HN

858HN

860HN

862HN

864HN

866HN

CTH H

MATCHLINE 867HN+25

A

A

ROAD CLOSED
TO
THRU TRAFFIC
R11-4
60" X 30"

EXISTING
℄
12'
12'

SECTION A-A

NOTE:
SEE TRAFFIC CONTROL GENERAL NOTES FOR ADVANCED SIGNING

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a	SHEET 350	E

2

N

MATCHLINE 867HN+25

MATCHLINE 879HN+25

868HS 870HS 872HS 874HS 876HS 878HS

868HN 870HN 872HN 874HN 876HN 878HN

CTH H

A

A

ROAD CLOSED 1/2 MILE W20-3

EXISTING

℄

12' 12'

SECTION A-A

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a	SHEET 351	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/22/2025 2:16:24 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

CONSTRUCTION ID: 3760-00-71

CONSTRUCTION ID: 1320-23-71

MATCHLINE 879HN+25

MATCHLINE 891HN+25

880HS 882HS 884HS 886HS 888HS 890HS

880HN 882HN 884HN 886HN 888HN 890HN

A

A

ROAD CLOSED 1000 FT
W20-3

EXISTING
℄
12' 12'

SECTION A-A

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a	SHEET 352	E

2

N

UNFI DRIVEWAY

2UNFI

UNFI EMPLOYEE DRIVEWAY

A

MATCHLINE 891HN+25

892HS

894HS

896HS

898HS

900HS

902HS

892HN

894HN

896HN

898HN

900HN

902HN

CTH H

MATCHLINE 903HN+25

FO

W(P)

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

A

25'
TYP.

DAYTON FREIGHT DRIVEWAY

SAN

MH

* WIDTH VARIES

12' 12' 12' HS R/L * HN R/L 12' 12'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a	SHEET 353	E

2

N

STH 11

238STHE

238STHW

240STHE

240STHW

CTH H

MATCHLINE 903HN+25

MATCHLINE 915HN+25

904HS 906HS 908HS 910HS 912HS 914HS

904HN 906HN 908HN 910HN 912HN 914HN

STOP
R1-1F
30" X 30"

STOP
R1-1
30" X 30"

STOP
R1-1F
30" X 30"

50' TYP.

25' TYP.

A

A

105

106

105

LANE CLOSED
R11-2-L
48" X 30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30" X 30"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

HS R/L

HN R/L

12' 12' 12' 12' 12' 12' 12' 12'

2' 2'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a	SHEET 354	E

2

2

N

ENTERPRISE WAY

MATCHLINE 915HN+25

916HS

916HN

918HN

CTH H

920HN

922HN

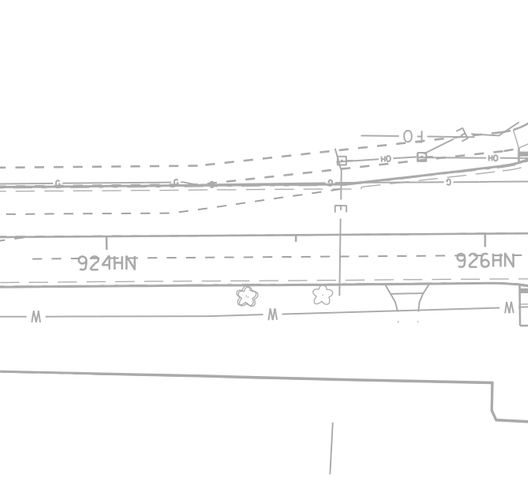
924HN

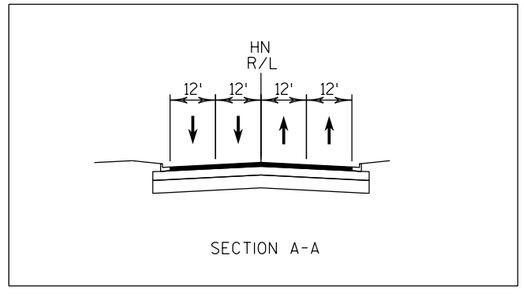
926HN

MATCHLINE 927HN+25

A

A





SECTION A-A

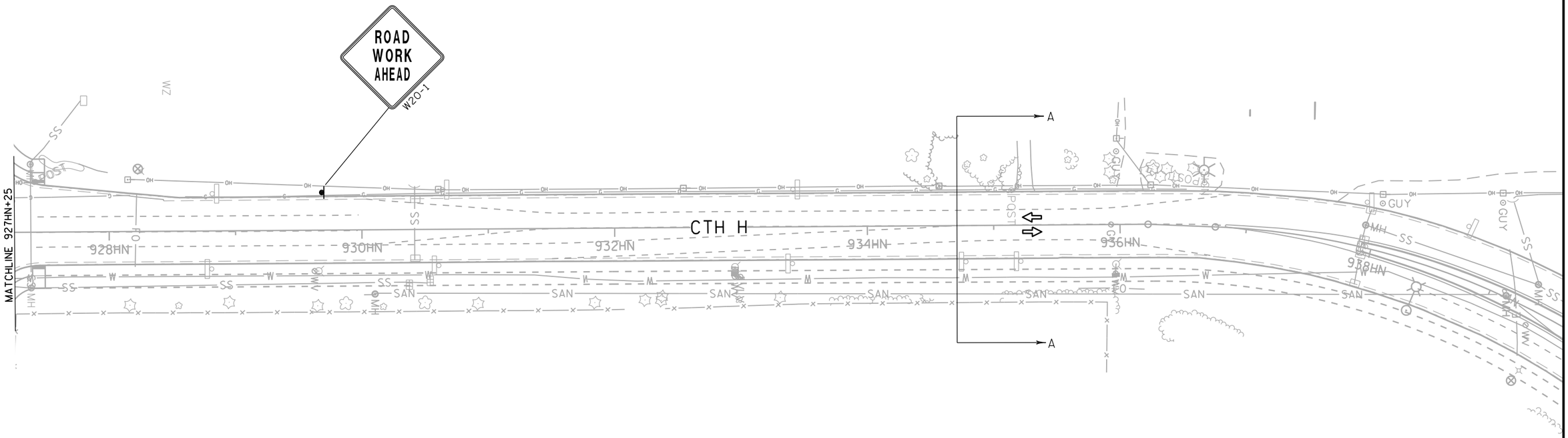
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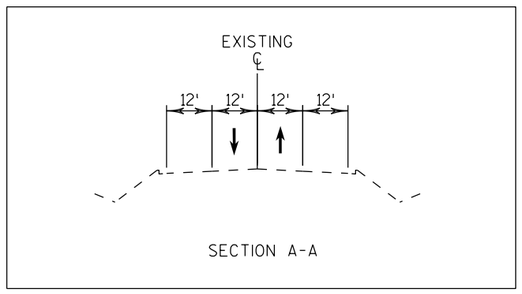
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WISDOT/CADDS SHEET 42

2

N





PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a	SHEET 356	E

2

N

STH 11

CTH H

912HS

912HN

910HS

910HN

SH806

NH906

LEFT TURN LANE
R3-55L
24" X 30"

STHE+87.16
48.00' LT

45
DOUBLE

47

50'
TYP.

STHE+21.53
36.00' LT

49

STOP
R1-1F
30" X 30"

WO12-1R
24" X 24"

STOP
R1-1F
30" X 30"

105

49

DOUBLE

45

46

105

234STHE+79.67, 888.00' LT
R=900.00'

STHE+00.00
12.00' RT

STHE+00.00
24.00' RT

STHE+79.67
0.00

STHE+83.00
48.00' LT

STHE+83.00
36.00' LT

STHE+26.71
24.00' LT

STHE+59.54
36.00' LT

STHE+10.38
36.00' LT

MATCHLINE 243STHE+00

234STHE

236STHE

238STHE

240STHE

STHE+28.10
11.84' RT

STHE+72.63
24.00' LT

STHE+72.63
0.00

STHE+72.63
12.00' LT

STHE+79.67
24.00' RT

STHE+79.67
12.00' RT

STHE+24.20
11.84' LT

STHE+26.15
0.00

237STHE+72.63, 888.00' RT
R=900.00'

46

51

A

A

12' 12'

25'
TYP.

540 FT MERGING TAPER

W01-4B

LANE CLOSED
R11-2-L
48" X 30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30" X 30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30" X 30"

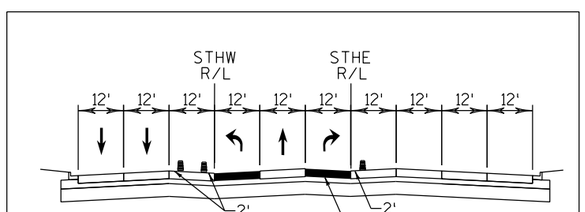
STOP
R1-1F
30" X 30"

ONLY

VERIFY POINTS

TRAFFIC CONTROL SIGNS ON EASTBOUND STH 11





PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a	SHEET 357	E

2

N

R3-8B
54" X 30"
ONLY ONLY ONLY

DOUBLE
45
46
25'
TYP.
50'
TYP.

STHE+31.96
49.80' LT
STHE+25.46
38.35' LT

244STHW
246STHW
248STHW
250STHW
252STHW
254STHW
244STHE
246STHE
248STHE
250STHE
252STHE
254STHE

STH 11

12'
12'

A
A

MATCHLINE 243STHE+00

MATCHLINE 255STHE+00

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

11.5' 11.5'

SECTION A-A

PROJECT NO:1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_TCP\Traffic Control Plan Stage 3a.dgn PLOT DATE : 9/18/2025 10:36:30 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

99TH STREET

W01-6
48" X 24"
TYPE III BARRICADE

STHE+39.22
11.73' LT

STHE+69.73
10.92' LT

STHE+49.44
10.42' LT

STHE+95.98
0.15' RT

STH 11

MATCHLINE 255STHE+00

STHE+39.19
0.27' RT

STHE+68.73
1.07' RT

STHE+95.92
22.06' RT

STHE+97.96
10.23' RT

12'

12'

25'
TYP.

W01-6
48" X 24"
TYPE III BARRICADE

APPROX. 400'

APPROX. 400'

W04-2L

LEFT LANE CLOSED AHEAD
W20-5

ROAD WORK AHEAD
W20-1

NOTE:
DO NOT PLACE TRAFFIC CONTROL DEVICES WITHIN 50 FT OF THE CANADIAN PACIFIC RAILROAD RIGHT OF WAY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3a	SHEET 359	E

2

2

N

BRAUN ROAD

CTH H

UNFI

UNFI

UNFI

STH 11

DAYTON FREIGHT

PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3b OVERVIEW MAP	SHEET 360	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlanSheets\20190225_3760DD72_Overview_WO53.dgn PLOT DATE : 3/26/2019 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 700:1

WISDOT/CADDS SHEET 42

2

N

UNFI DRIVEWAY

2UNFI

UNFI EMPLOYEE DRIVEWAY

A

FO

892HS

894HS

896HS

898HS

900HS

902HS

892HN

894HN

896HN

898HN

900HN

902HN

CTH H

MATCHLINE 903HN+25

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

RIGHT LANE CLOSED AHEAD
W20-5

W04-2R

DAYTON FREIGHT DRIVEWAY

* WIDTH VARIES

12' 12' 12' * 12' 12'

HS R/L

HN R/L

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3b	SHEET 361	E

2

N

STH 11

238STHE

238STHW

240STHE

240STHW

242STHE

244STHE

CTH H

MATCHLINE 903HN+25

904HS

906HS

908HS

910HS

912HS

914HS

904HN

906HN

908HN

910HN

912HN

914HN

50'
TYP.

25'
TYP.

STOP
R1-1F
30" X 30"

STOP
R1-1
30" X 30"

STOP
R1-1F
30" X 30"

STOP
R1-1F
30" X 30"

STOP
R1-1
30" X 30"

51
HN+98.29
62.12' RT

A

A

HS
R/L

HN
R/L

12' 12' 12' 12' 12' 12' 12' 12'

2' 2'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3b	SHEET 362	E

2

N

CTH H

SH316

912HW

912HW

SH316

910HW

910HW

SH806

SH806

SH806

SH806

240STHW

240STHW

242STHE

242STHE

243STHE

MATCHLINE 243STHE+00

W01-6
48" X 24"
TYPE III BARRICADE

STOP
R1-1F
30" X 30"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

540 FT MERGING TAPER

LEFT LANE MUST TURN LEFT
R3-7L
30" X 30"

25'
TYP.

A

46

STHE+83.00
48.00' LT

STHE+89.53
36.00' LT

236STHW

238STHW

STH 11

STHE+00.00
12.00' RT

239STHE+25.53
R=588', 600.00' LT

STHE+52.16
0.00

STHE+10.53
12.00' RT

STHE+98.86
24.00' RT

234STHE

236STHE

236STHE+89.53
R=588', 552.00' RT

STHE+75.53
24.00' RT

238STHE

45

105

49

47

A

106

51

50'
TYP.

LANE CLOSED
R11-2-L
48" X 30"

LEFT LANE MUST TURN LEFT
R3-7L
30" X 30"

W012-1R
24" X 24"

STOP
R1-1F
30" X 30"

STOP
R1-1
30" X 30"

STOP
R1-1F
30" X 30"

DOUBLE

TRAFFIC CONTROL SIGNS ON EASTBOUND STH 11

ROAD WORK AHEAD W20-1 ×2

LEFT LANE CLOSED AHEAD W20-5 ×2

W04-2L ×2

W01-6 48" X 24"

500'

1000'

1000'

5 DRUMS, 10' GAP IN FRONT OF BARRICADE

START OF MERGING TAPER

STHW R/L

STHE R/L

12' 12' 12' 12' 12' 12' 12' 12' 12' 12'

2'

2'

TEMPORARY PAVEMENT

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3b	SHEET 363	E

2

N

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

W01-6
48" X 24"
TYPE III BARRICADE

A

50'
TYP.

MATCHLINE 243STHE+00

244STHW

246STHW

248STHW

250STHW

252STHW

254STHW

248STHE+77.92
R=5287', 5256.50' LT

MATCHLINE 255STHE+00

STHE+13.53
12.00' RT

STHE+63.53
12.00' RT

STHE+59.34
12.00' RT

STH 11

244STHE

246STHE

248STHE

250STHE

252STHE

254STHE

12'

12'

12'

STHE+29.25
24.00' RT

STHE+54.25
24.00' RT

STHE+37.41
24.00' RT

STHE+50.78
36.01' RT

STHE+99.25
27.01' RT

STHE+25.17
32.27' RT

253STHE+37.43
R=1988', 2017.07' RT

STHE+61.06
30.40' RT

DOUBLE
45

DOUBLE
45

46

49

ONLY
R3-8A
36" X 30"

25'
TYP.

A

6'
12'
12'
2'
TEMPORARY PAVEMENT

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3b	SHEET 364	E

2

N

99TH STREET

W01-6
48" X 24"

TYPE III BARRICADE

25'
TYP.

STHE+22.56
11.38' LT

STHE+03.19
1.04' RT

STHE+67.53
22.09' LT

MATCHLINE 255STHE+00

STHE+03.89
10.50' RT

257STHE+09.10
R=588', 589.01' RT

STHE+50.00
16.05' RT

STHE+29.40
24.05' RT

STHE+03.18
0.60' RT

DOUBLE

STHE+50.00
21.57' RT

APPROX. 400'

APPROX. 400'

STH 11

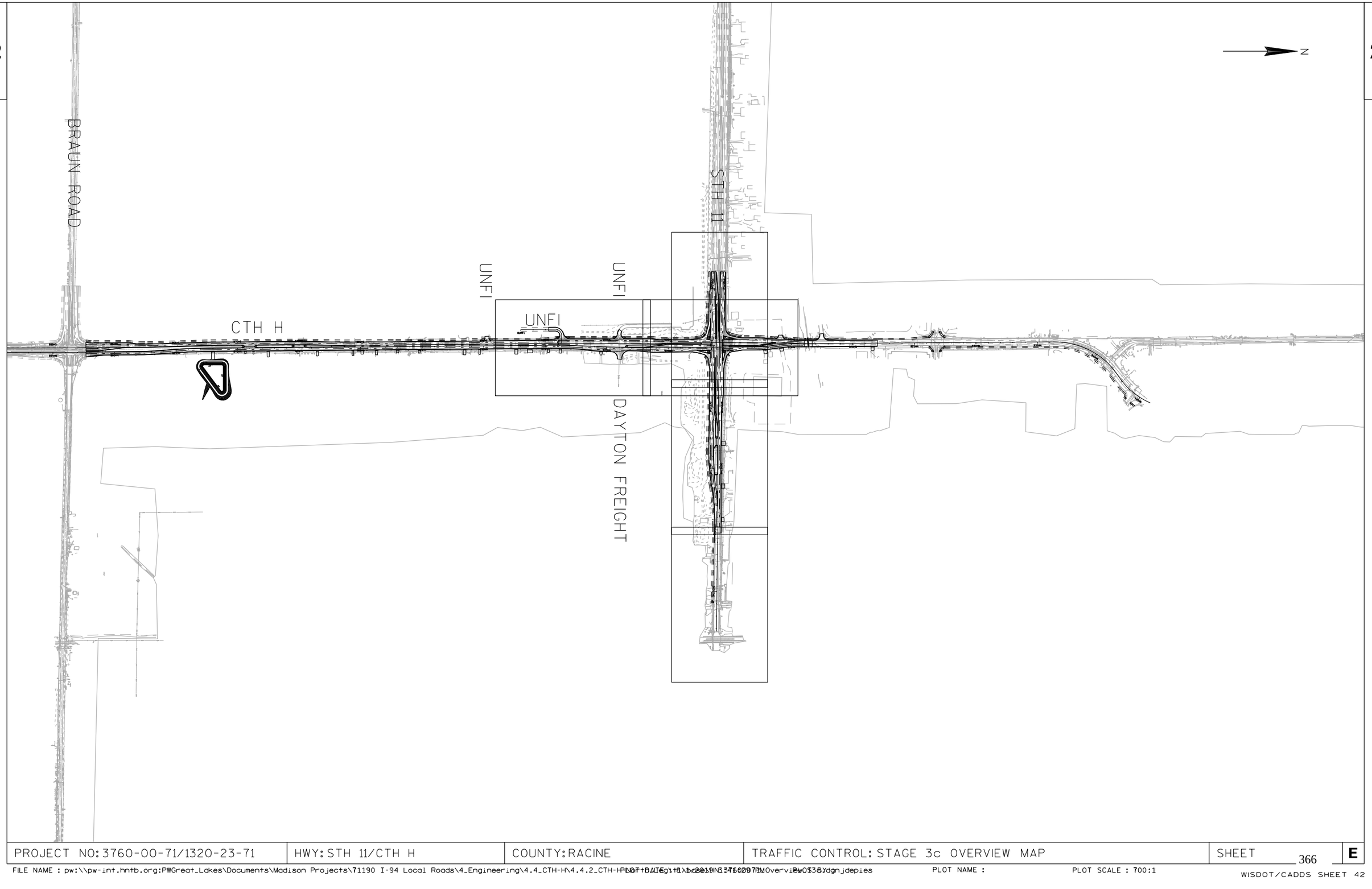
W04-2R

RIGHT LANE CLOSED AHEAD
W20-5

ROAD WORK AHEAD
W20-1

NOTE:
DO NOT PLACE TRAFFIC CONTROL DEVICES WITHIN 50 FT
OF THE CANADIAN PACIFIC RAILROAD RIGHT OF WAY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3b	SHEET 365	E



2

PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3c OVERVIEW MAP	SHEET 366	E

2

N

UNFI DRIVEWAY

2UNFI

UNFI EMPLOYEE DRIVEWAY

A

FO

892HS

894HS

896HS

898HS

900HS

902HS

892HN

894HN

896HN

898HN

900HN

902HN

CTH H

MATCHLINE 903HN+25

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

A

DAYTON FREIGHT DRIVEWAY

* WIDTH VARIES

12' 12' 12' HS R/L * HN R/L 12' 12'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3c	SHEET 367	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_TCP\Traffic Control Plan Stage 3c.dgn PLOT DATE: 1/23/2025 8:41:54 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

STH 11

238STHE

238STHW

240STHE

240STHW

242STHE

242STHW

244STHE

244STHW

CTH H

MATCHLINE 903HN+25

904HS

906HS

908HS

910HS

912HS

914HS

904HN

906HN

908HN

910HN

912HN

914HN

50' TYP.

25' TYP.

A

A

STOP
R1-1F
30" X 30"

STOP
R1-1
30" X 30"

STOP
R1-1F
30" X 30"

LANE CLOSED
R11-2-L
48" X 30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30" X 30"

105

106

105

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

HS R/L

HN R/L

12' 12' 12' 12' 12' 12' 12' 12'

2' 2'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3c	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Traffic\Sheets\25x36\405.47c10.dgn PLOT DATE : 9/25/2025 10:47:10 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

STH 11

234STHE+79.67, 888.00' LT
R=900.00'

STHE+00.00
12.00' RT

STHE+00.00
24.00' RT

STHE+79.67
0.00

STHE+79.67
24.00' RT

STHE+79.67
12.00' RT

STHE+24.20
11.84' LT

STHE+26.15
0.00

STHE+28.10
11.84' RT

STHE+72.63
24.00' LT

STHE+72.63
0.00

STHE+72.63
12.00' LT

237STHE+72.63, 888.00' RT
R=900.00'

STHE+87.16
48.00' LT

STHE+21.53
36.00' LT

STHE+83.00
48.00' LT

STHE+83.00
36.00' LT

STHE+26.71
24.00' LT

STHE+59.54
36.00' LT

STHE+18.23
70.21' LT

STHE+17.65
60.00' LT

50'
TYP.

12'|12'

25'
TYP.

DOUBLE

MATCHLINE 243STHE+00

234STHE

236STHW

236STHE

238STHW

238STHE

240STHW

240STHE

242STHW

242STHE

SH316

912HS

912HN

910HN

SH806

906HS

906HN

LEFT TURN LANE
R3-55L
24" X 30"

STOP
R1-1F
30" X 30"

W012-1R
24" X 24"

STOP
R1-1F
30" X 30"

STOP
R1-1
30" X 30"

540 FT MERGING TAPER

W01-4B

LANE CLOSED
R11-2-L
48" X 30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30" X 30"

RIGHT LANE MUST TURN RIGHT
R3-7R
30" X 30"

STOP
R1-1F
30" X 30"

ONLY

TRAFFIC CONTROL SIGNS ON EASTBOUND STH 11

ROAD WORK AHEAD W20-1

RIGHT LANE CLOSED AHEAD W20-5

W04-2R

W01-6
48" X 24"

×2 ×2 ×2

500'

1000'

1000'

5 DRUMS, 10' GAP IN FRONT OF BARRICADE

START OF MERGING TAPER

STHW R/L

STHE R/L

12' 12' 12' 12' 12' 12' 12' 12' 12' 12'

2'

2'

TEMPORARY PAVEMENT

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3c	SHEET 369	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Traffic\Sheets\TC-Stage3c.dgn PLOT DATE : 9/25/2025 9:09:45 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N

R3-8B
54" X 30"

W01-7
48" X 24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

W01-7
48" X 24"

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

R11-2
48" X 30"
ROAD CLOSED
TYPE III BARRICADE

STHE+09.54
48.00' LT

STHE+92.10
60.00' LT

STHE+59.54
48.00' LT

DOUBLE
45

50'
TYP.

A

SS

MATCHLINE 243STHE+00

MATCHLINE 255STHE+00

244STHW

246STHW

248STHW

250STHW

252STHW

254STHW

12'

12'

STH 11

244STHE

246STHE

248STHE

250STHE

252STHE

254STHE

46

25'
TYP.

A

STHE
R/L

12' 12' 12'

2%

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3c	SHEET 370	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\Stage 3\20250310_Stage 3c_Sheet 32.dgn PLOT DATE : 10/3/2025 2:02:32 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42

2

N

99TH STREET

W01-6
48" X 24"
TYPE III BARRICADE

STHE+39.22
11.73' LT

STHE+69.73
10.92' LT

STHE+49.44
10.42' LT

STHE+95.98
0.15' RT

STH 11

MATCHLINE 255STHE+00

STHE+39.19
0.27' RT

STHE+68.73
1.07' RT

STHE+97.96
10.23' RT

25'
TYP.

W01-6
48" X 24"
TYPE III BARRICADE

APPROX. 400'

APPROX. 400'

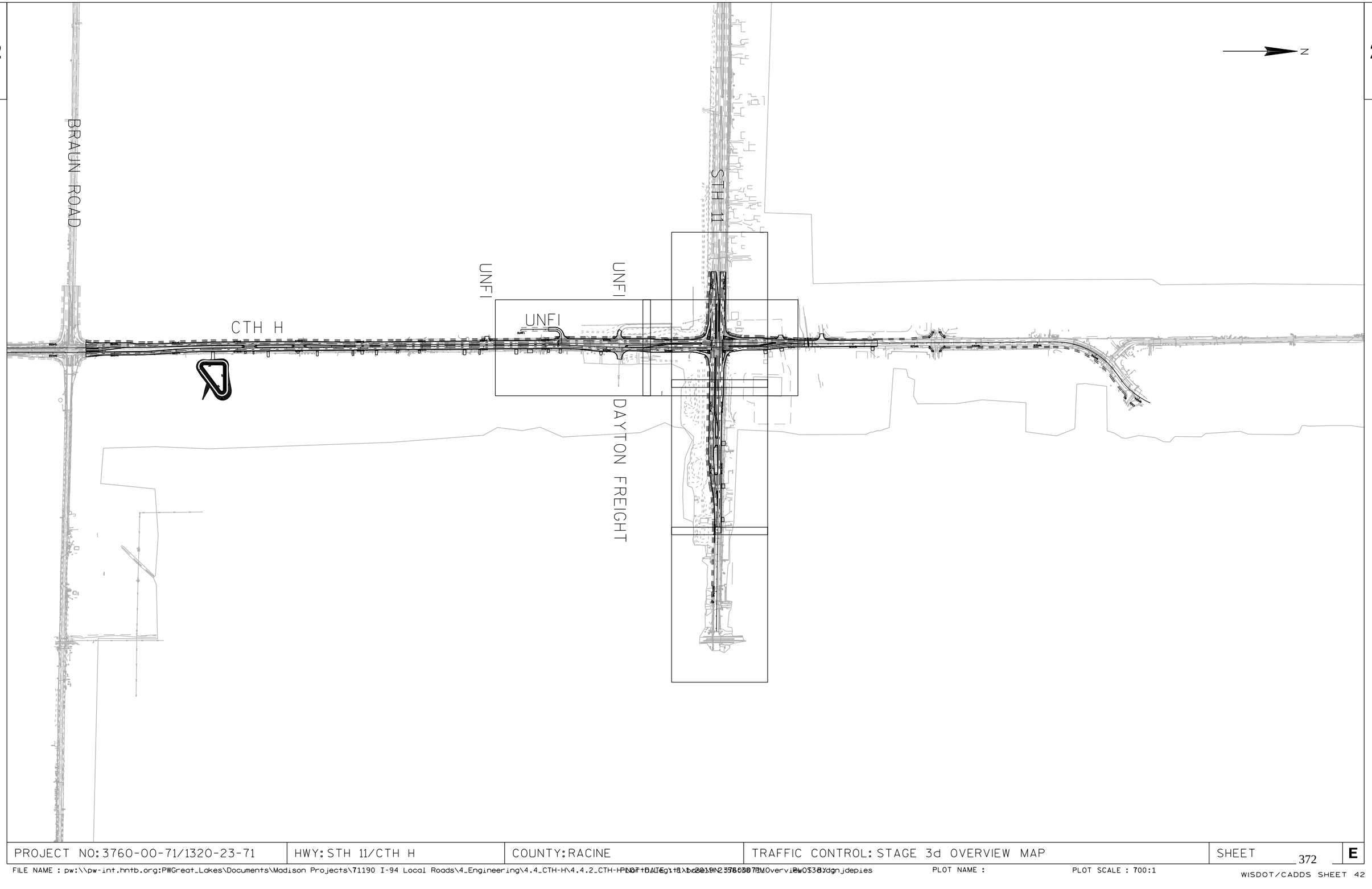
W04-2L

LEFT LANE CLOSED AHEAD
W20-5

ROAD WORK AHEAD
W20-1

NOTE:
DO NOT PLACE TRAFFIC CONTROL DEVICES WITHIN 50 FT
OF THE CANADIAN PACIFIC RAILROAD RIGHT OF WAY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3c	SHEET 371	E



2

PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3d OVERVIEW MAP	SHEET 372	E

2

N

UNFI DRIVEWAY

2UNFI

UNFI EMPLOYEE DRIVEWAY

A

FO

892HS

894HS

896HS

898HS

900HS

902HS

CTH H

892HN

894HN

896HN

898HN

900HN

902HN

MATCHLINE 903HN+25

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

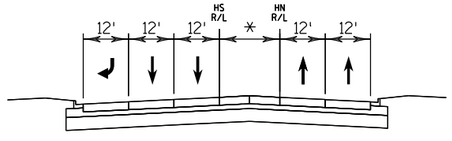
R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

A

DAYTON FREIGHT DRIVEWAY

* WIDTH VARIES



SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3d	SHEET 373	E

2

N

STH 11

238STHE

238STHW

CTH H

MATCHLINE 903HN+25

904HS

906HS

908HS

910HS

912HS

914HS

904HN

906HN

908HN

910HN

912HN

914HN

240STHE

240STHW

242STHE

242STHW

244STHE

244STHW

25' TYP.

50' TYP.

A

A

W012-1D
24" X 24"

LEFT LANE
MUST
TURN LEFT
R3-7L
30" X 30"

HS
R/L

HN
R/L

12' 12' 12' 12' 12' 12' 12' 12'

2'

2'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3d	SHEET 374	E

2

N

CTH H

SH216

912HN

SH016

910HN

540 FT MERGING TAPER

LEFT LANE MUST TURN LEFT
R3-7L
30" X 30"

LEFT LANE MUST TURN LEFT
R3-7L
30" X 30"

LANE CLOSED
R11-2-L
48" X 30"

A

236STHW

238STHW

240STHW

242STHW

STHE+00.00
12.00' RT

STH 11

234STHE

236STHE

238STHE

240STHE

242STHE

MATCHLINE 243STHE+00

45

LANE CLOSED
R11-2-L
48" X 30"

50'
TYP.

A

25'
TYP.

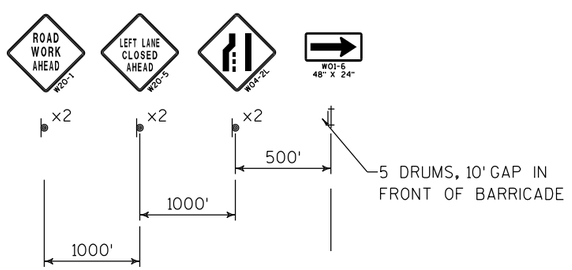
STOP
R1-1
30" X 30"

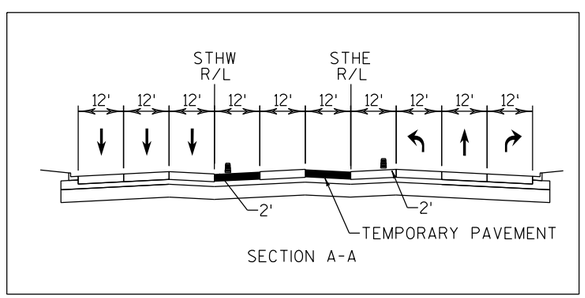
SH806

908HN

906HN

TRAFFIC CONTROL SIGNS ON EASTBOUND STH 11



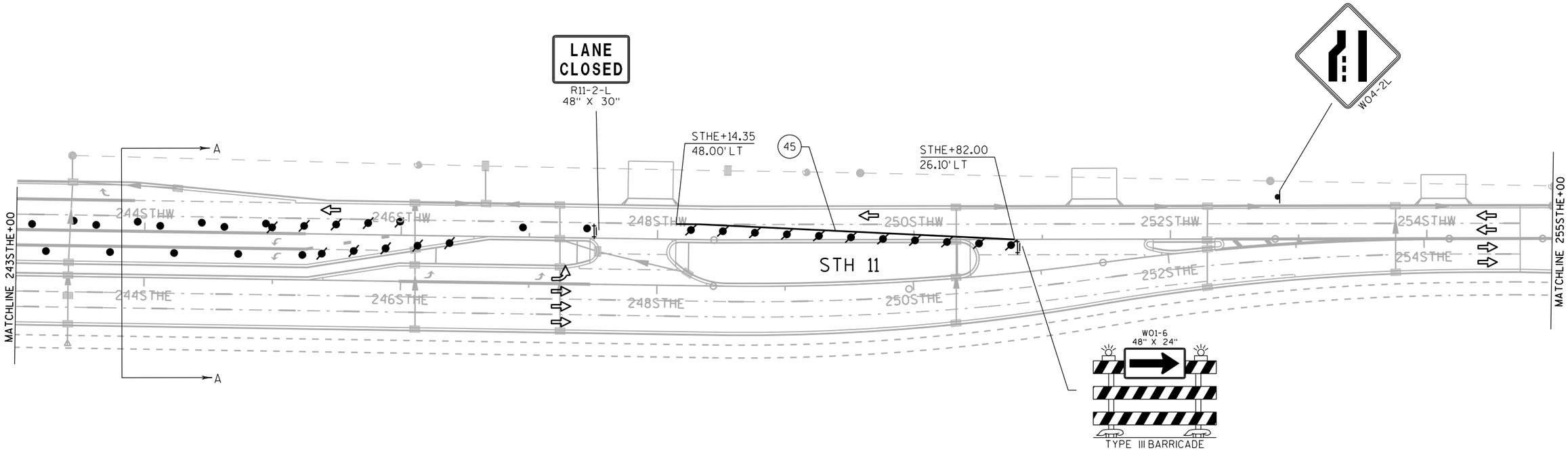


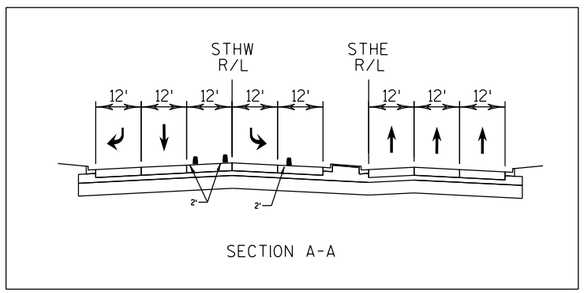
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3d	SHEET 375	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_TCP\Traffic Control Plans.dgn PLOT DATE : 11/28/2023 9:53:26 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N



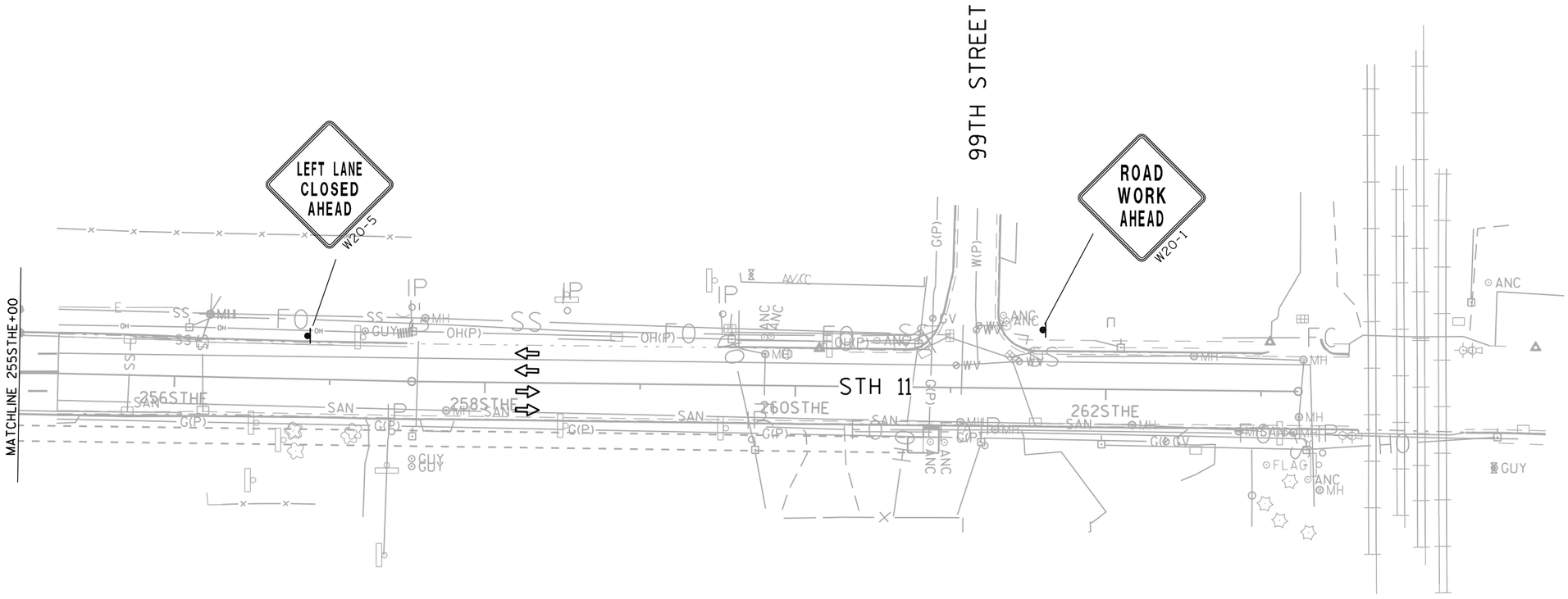


PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3d	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_TCP_Stage3\sht_20250263198_SS.dgn PLOT DATE : 8/26/2025 8:58:58 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N



NOTE:
DO NOT PLACE TRAFFIC CONTROL DEVICES WITHIN 50 FT
OF THE CANADIAN PACIFIC RAILROAD RIGHT OF WAY

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 3d	SHEET 377	E

2

2

N

BRAUN ROAD

CTH H

UNFI

UNFI

UNFI

STH 11

DAYTON FREIGHT

PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11/CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4 OVERVIEW MAP	SHEET 378	E

2

N

BRAUN ROAD

856HS

856HN

858HS

858HN

860HS

860HN

862HS

862HN

864HS

864HN

CTH H

MATCHLINE 867HN+25

ROAD CLOSED
TO
THRU TRAFFIC

R11-4
60" X 30"

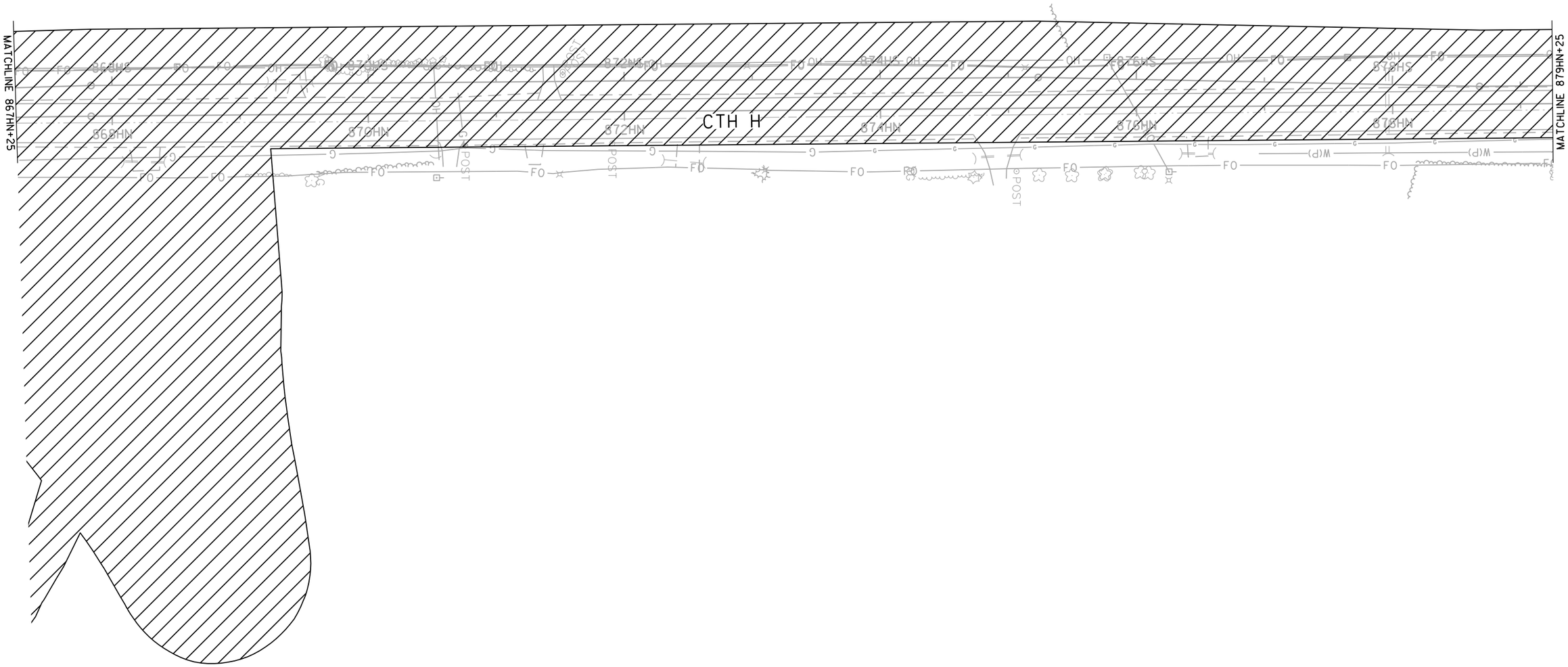
NOTE:
SEE TRAFFIC CONTROL GENERAL NOTES FOR ADVANCED SIGNING

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET 379	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_MOT_Stg1\dgn\8x11_20190263_TC_27.dgn PLOT DATE : 8/12/2019 11:55:27 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

2

N



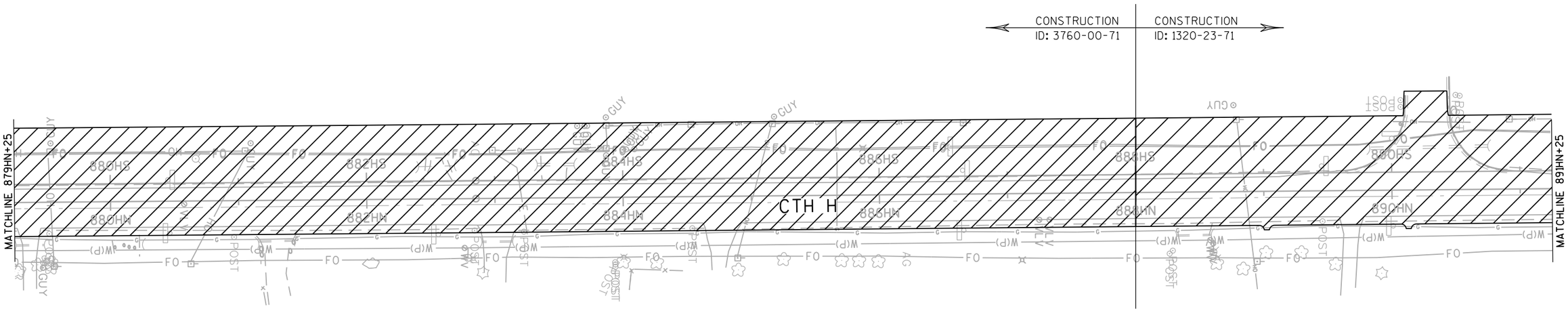
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET 380	E

2

N

CONSTRUCTION ID: 3760-00-71

CONSTRUCTION ID: 1320-23-71



PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET 381	E

2

N

UNFI DRIVEWAY

2UNFI

UNFI EMPLOYEE DRIVEWAY

A

A

MATCHLINE 891HN+25

892HS

894HS

892HN

894HN

896HS

UNFI

896HN

898HS

898HN

900HS

900HN

CTH H

902HS

902HN

MATCHLINE 903HN+25

FO

W(P)

R11-2
48" X 30"
ROAD CLOSED

TYPE III BARRICADE

DAYTON FREIGHT DRIVEWAY

* WIDTH VARIES

12' 12' 12' HS R/L * HN R/L 12' 12'

SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET 382	E

2

2

N

STH 11

238STHE

238STHW

240STHE

240STHW

242STHE

242STHW

244STHE

244STHW

CTH H

MATCHLINE 903HN+25

MATCHLINE 915HN+25

904HS

906HS

908HS

910HS

912HS

914HS

904HN

906HN

908HN

910HN

912HN

914HN

A

A

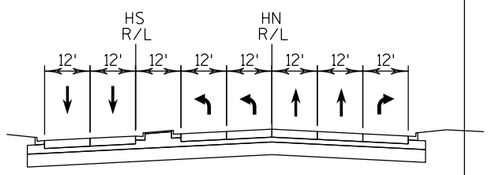
B

B

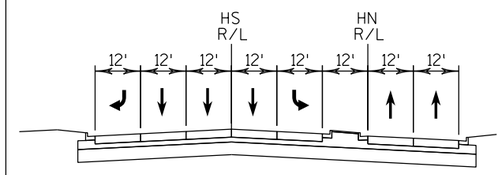
ONLY

ONLY

ONLY



SECTION A-A



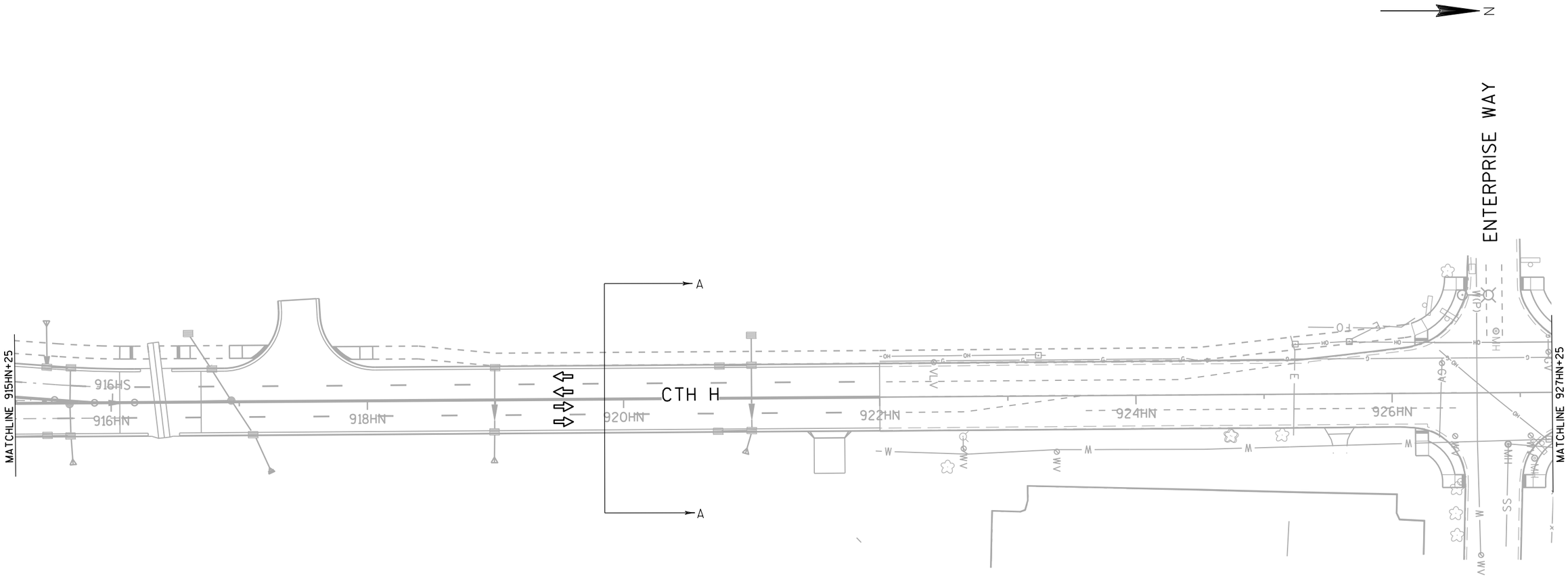
SECTION B-B

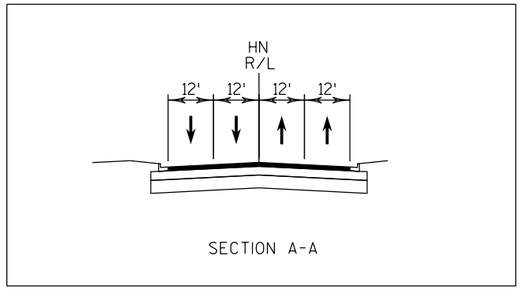
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PDF_Files\8.1x11_20260205_541.dgn PLOT DATE : 2/5/2026 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1

WISDOT/CADDS SHEET 42

2



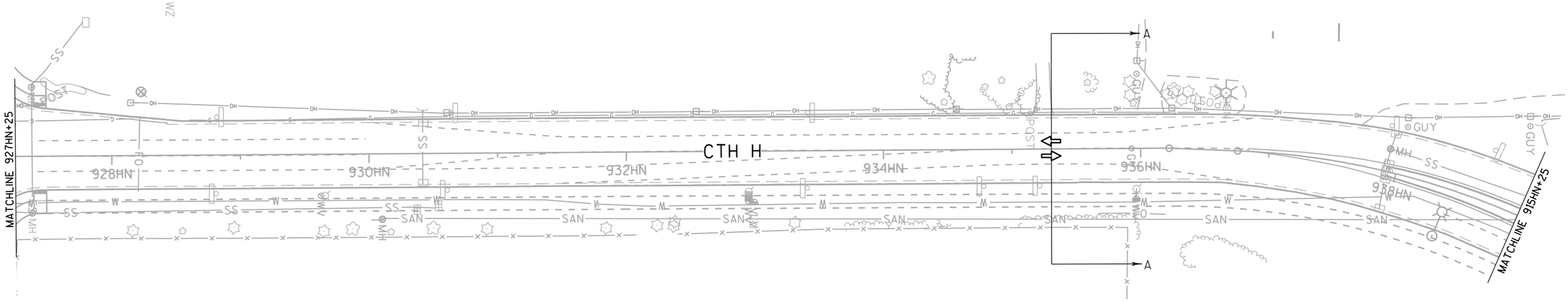


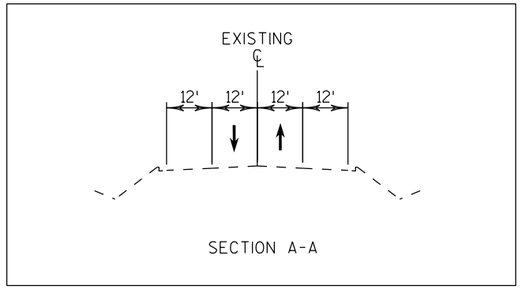
SECTION A-A

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET 384	E

2

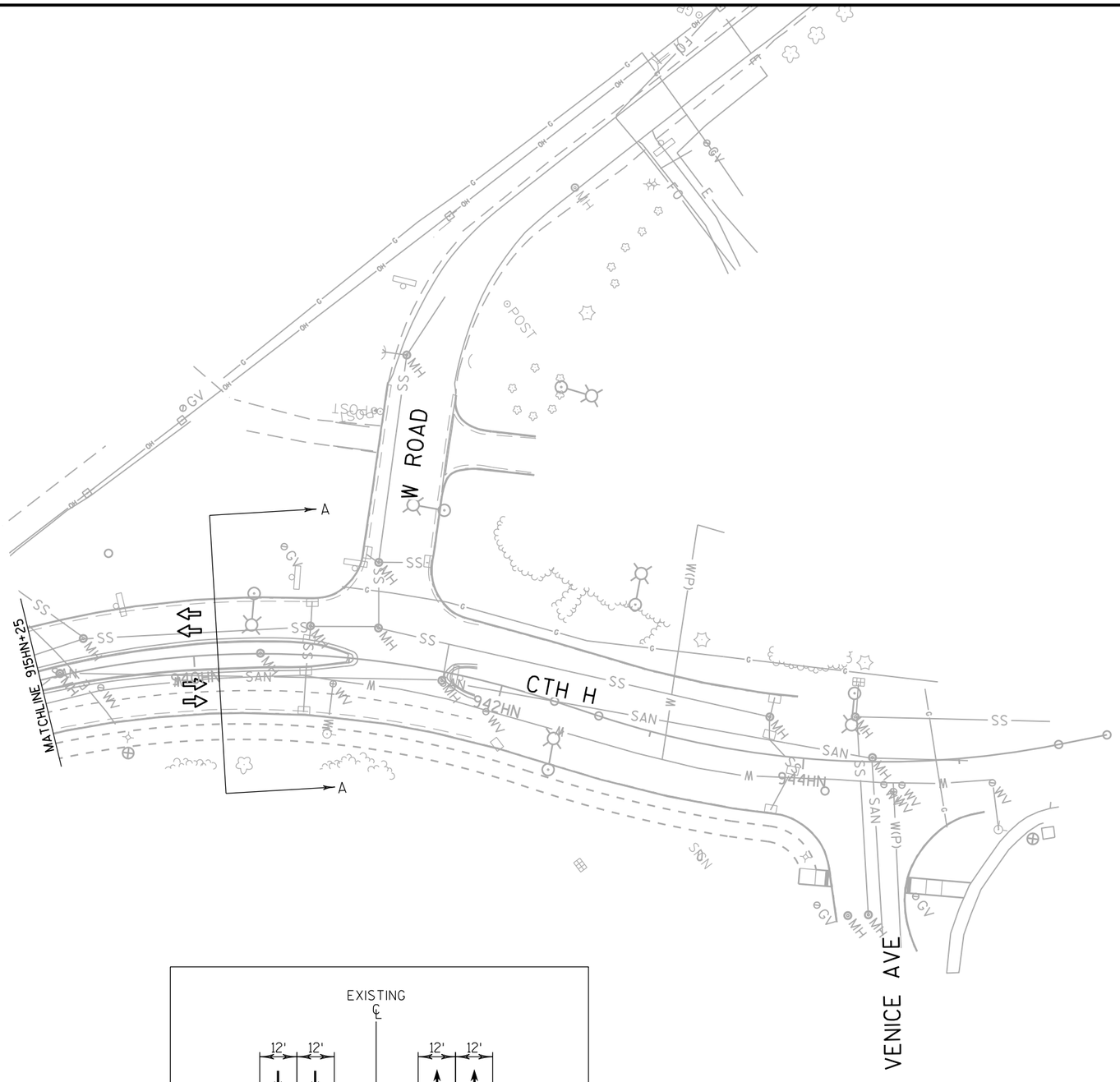
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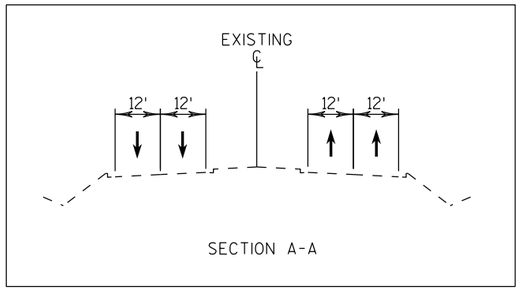




PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET 385	E

2

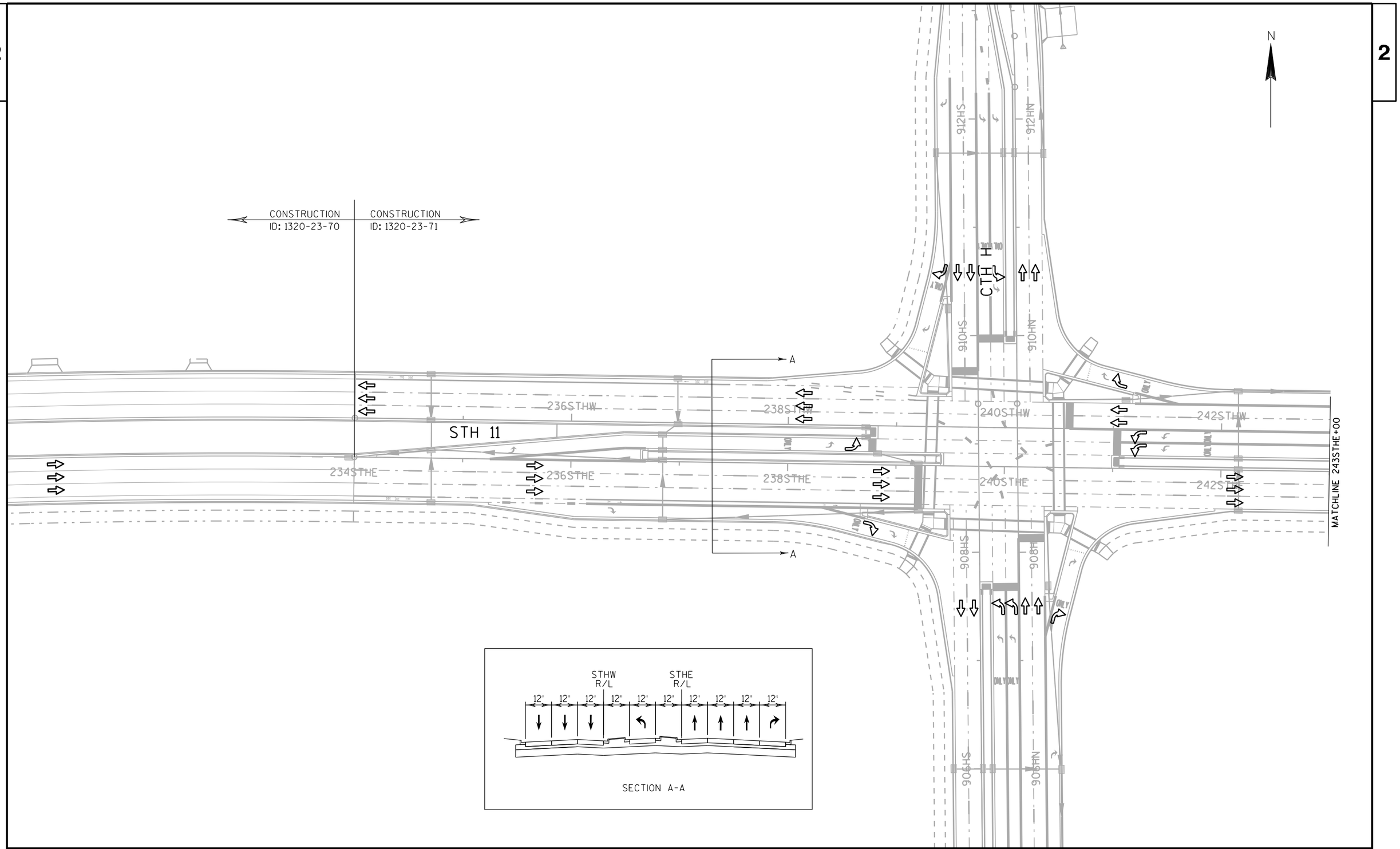




PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\8.1_20250205_S1.dgn PLOT DATE: 2025/02/05 15:31:04 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 80:1
WISDOT/CADDS SHEET 42

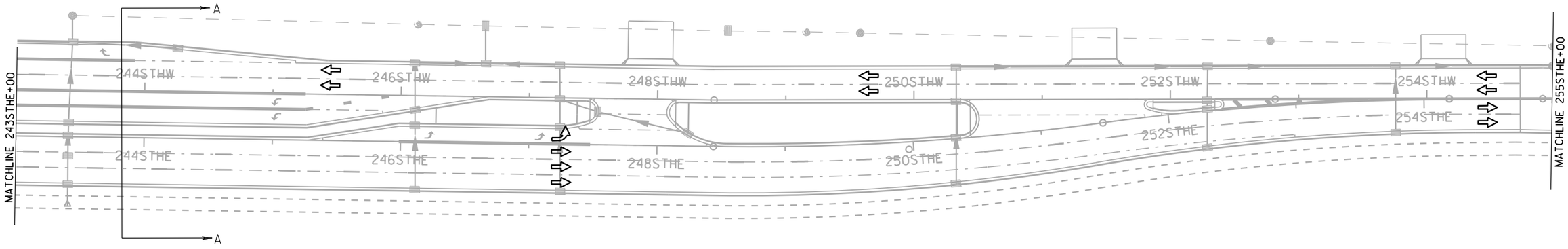
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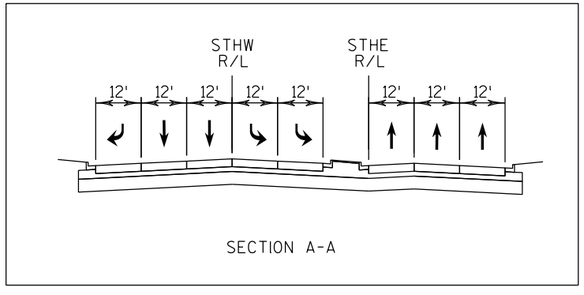


PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET 387	E

2

N



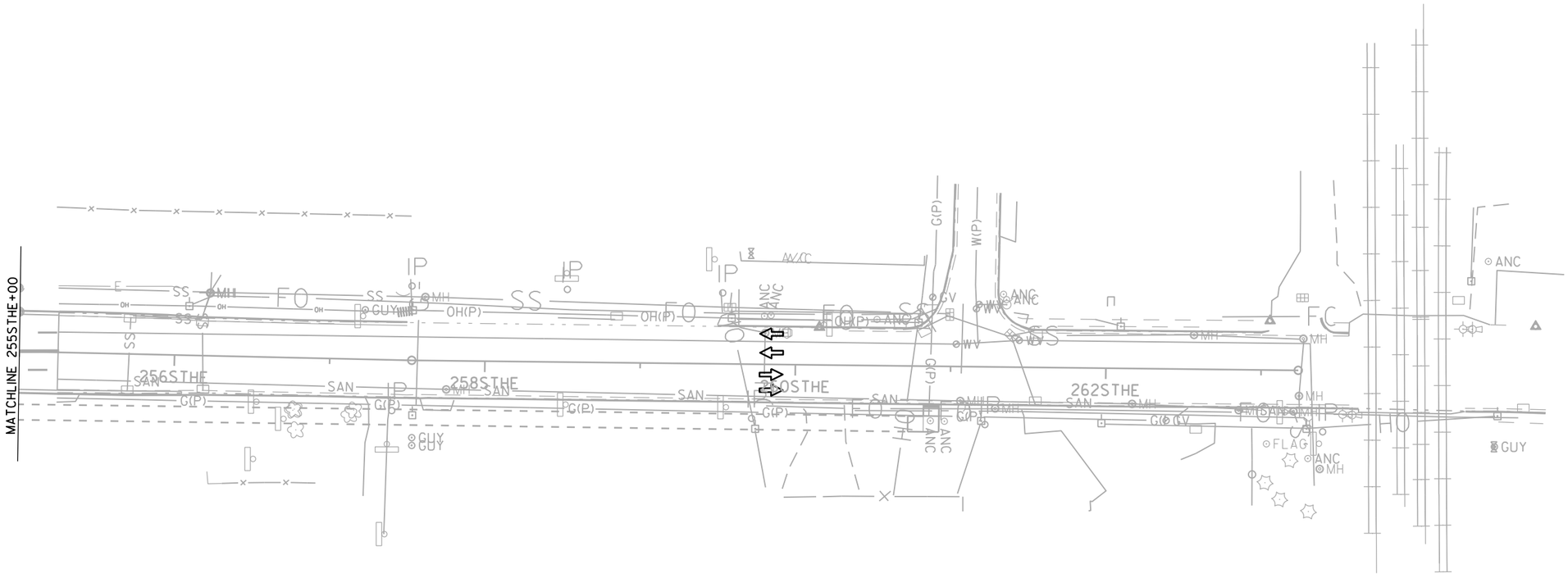


SECTION A-A

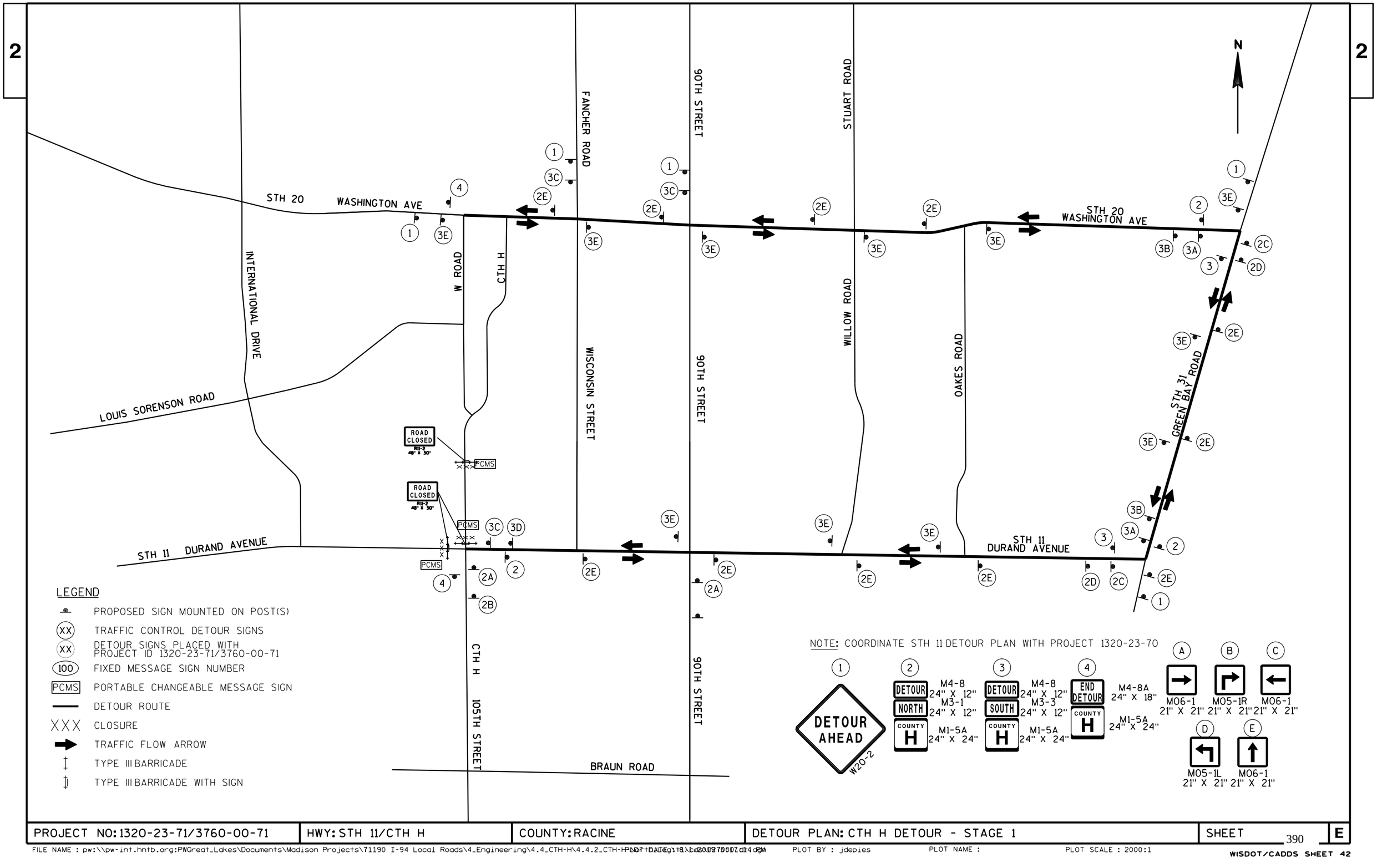
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2

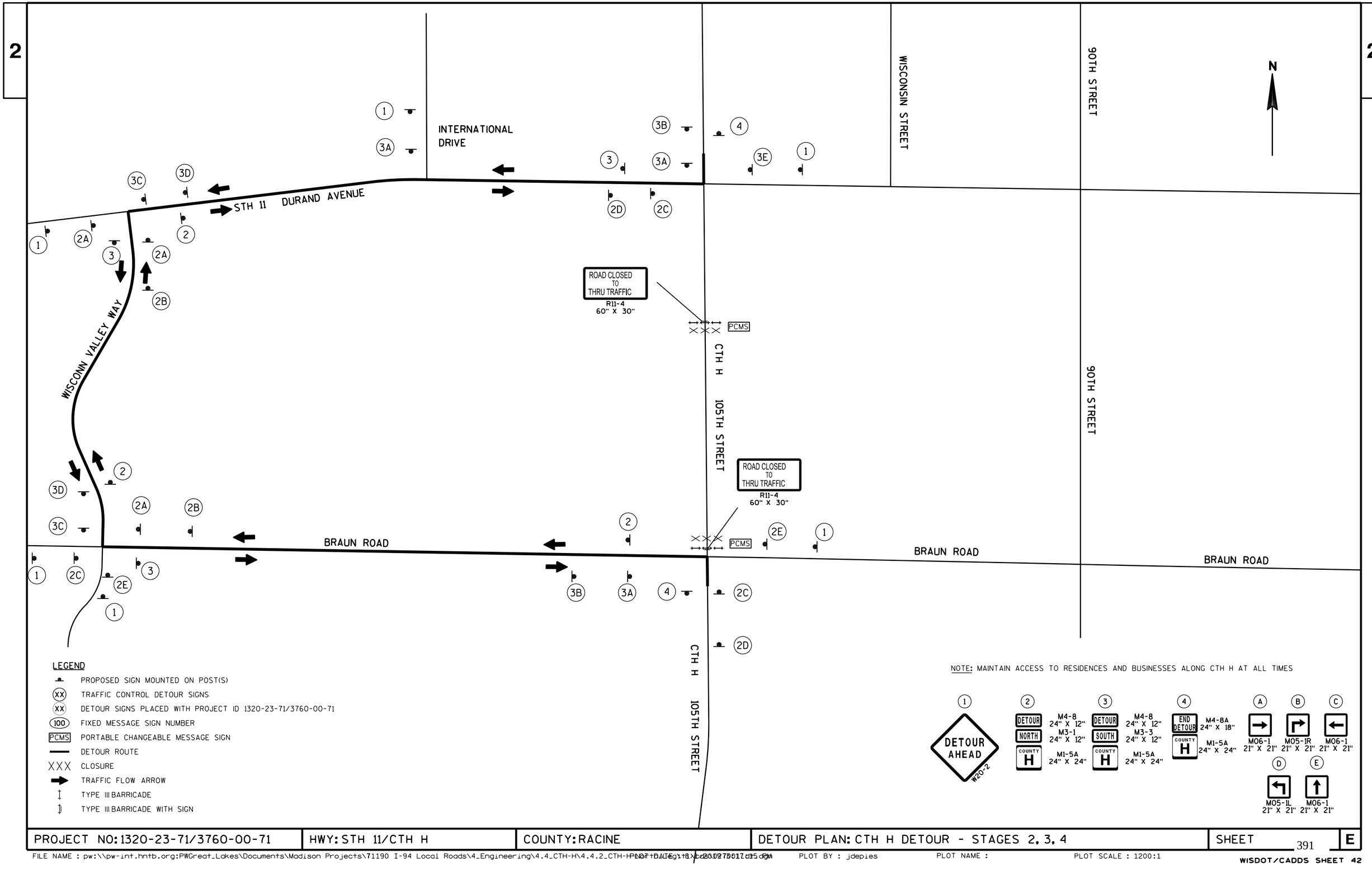
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	TRAFFIC CONTROL: STAGE 4	SHEET 389	E



PROJECT NO: 1320-23-71/3760-00-71	HWY: STH 11/CTH H	COUNTY: RACINE	DETOUR PLAN: CTH H DETOUR - STAGE 1	SHEET 390 E



PROJECT NO: 1320-23-71/3760-00-71	HWY: STH 11/CTH H	COUNTY: RACINE	DETOUR PLAN: CTH H DETOUR - STAGES 2, 3, 4	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\1320237101d15.dgn PLOT DATE : 8/22/2017 3:15:29 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 1200:1

WISDOT/CADDS SHEET 42

2

N

VILLAGE OF MT PLEASANT

POINT 322134
Y=170277.51
X=601970.80

T 3 N
32 29
R 22 E

152BRE

152BRW

SECTION LINE

BRAUN ROAD

154BRE

154BRW

POINT 322135
Y=170230.15
X=604629.10

PI 856HS+39.81
X= 604611.10
Y= 170230.05

R/L CTH H SB

PI 862HS+68.58
X= 604605.70
Y= 170858.81

PI 867HS+83.66
X= 604590.27
Y= 171373.65

854HS 856HS 858HS 860HS 862HS 864HS 866HS 868HS

N 00°29'34.32" W

SECTION LINE

CTH H

N 01°42'59.74" W

N 04°12'37.21" W

N 00°29'34.32" W

854HN 856HN 858HN 860HN 862HN 864HN 866HN 868HN

PC HN-1 PI HN-1 PT HN-1

PC HN-2 PI HN-2 PT HN-2

PI 856HN+39.21
X= 604647.10
Y= 170230.28

R/L CTH H NB

156BRE

156BRW

POINT 322148
Y=167557.83
X=604633.84

BEGIN PROJECT 3760-00-71
STA 857HN+68.00
X=604646.00
Y=170359.02

158BRE

158BRW

VILLAGE OF STURTEVANT

POINT 322136
Y=170164.79
X=607295.73

160

160

CURVE : HN-1

PC = 862HN+11.32
X = 604642.18
Y = 170802.33
PI = 862HN+68.11
X = 604641.69
Y = 170859.12
PT = 863HN+24.87
X = 604637.52
Y = 170915.76

R = 1750.00'
DELTA = 3°43'03" LT
D = 3°16'27"
L = 113.54
T = 56.79
E = .92
BK = N 0°29'34" W
AH = N 4°12'37" W

CURVE : HN-2

PC = 864HN+61.85
X = 604627.47
Y = 171052.37
PI = 866HN+22.81
X = 604615.65
Y = 171212.90
PT = 867HN+83.66
X = 604614.27
Y = 171373.86

R = 4960.00'
DELTA = 3°43'03" RT
D = 1°09'19"
L = 321.82
T = 160.96
E = 2.61
BK = N 4°12'37" W
AH = N 0°29'34" W

POINT OF BEGINNING : HN

PI = 794HN+70.08
X = 604318.29
Y = 164081.54
AH = N 0°53'42" W

POINT OF BEGINNING : HS

PI = 797HN+44.90
X = 604314.07
Y = 164351.59
AH = N 0°32'25" E

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ALIGNMENT: CTH H	SHEET 392	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H\PLOT DATE: 8/1/2017 2:01:25 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

2

VILLAGE OF MT PLEASANT

N

POINT 322121
Y=172912.55
X=601947.08

T 3 N
29
R 22 E

1/4 LINE

PI 875HS+23.47
X= 604583.90
Y= 172113.44

PI 878HS+68.15
X= 604590.94
Y= 172458.05

R/L CTH H SB

PI 882HS+85.32
X= 604587.35
Y= 172875.20

870HS 872HS 874HS 876HS 878HS 880HS 882HS 884HS

N 00°29'34.31" W

N 01°10'10.73" E

N 00°29'34.31" W

CTH H

N 00°29'34.32" W

870HN 872HN SECTION LINE 874HN 876HN 878HN 880HN 882HN 884HN

PI 882HN+85.18
X= 604601.35
Y= 172875.32

R/L CTH H NB

POINT 322122
Y=172875.36
X=604606.35

T 3 N
29
28
R 22 E

1/4 LINE

VILLAGE OF STURTEVANT

POINT 322123
Y=172825.32
X=607240.63

T 3 N
28
R 22 E

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	ALIGNMENT: CTH H	SHEET 393	E

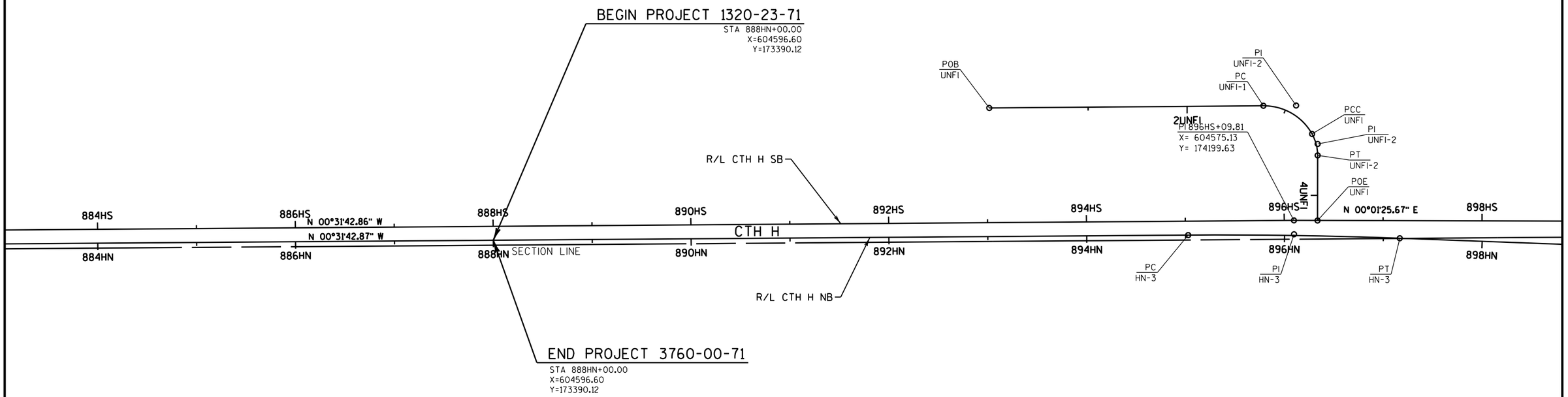
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WISDOT/CADDS SHEET 42

2

N

VILLAGE OF MT PLEASANT



POINT OF BEGINNING : UNF1

PI = 00UNF1+00.00
X = 604461.89
Y = 173891.33
AH = N 0°32'58" W

CURVE : UNF1-1

PC = 2UNF1+77.24
X = 604459.23
Y = 174168.56
PI = 3UNF1+10.24
X = 604458.91
Y = 174201.56
PCC = 3UNF1+36.88
X = 604487.63
Y = 174217.82

R = 56.00
DELTA = 61°01'29" RT
D = 102°18'50"
L = 59.64
T = 33.00
E = 9.00
BK = N 0°32'58" W
AH = N 60°28'32" E

CURVE : UNF1-2

PCC = 3UNF1+36.88
X = 604487.63
Y = 174217.82
PI = 3UNF1+48.49
X = 604497.73
Y = 174223.54
PT = 3UNF1+59.57
X = 604509.33
Y = 174223.54

R = 44.00
DELTA = 29°32'54" RT
D = 130°13'04"
L = 22.69
T = 11.60
E = 1.50
BK = N 60°28'32" E
AH = S 89°58'34" E

POINT OF END : UNF1

PI = 4UNF1+25.38
X = 604575.14
Y = 174223.51
BK = S 89°58'34" E

VILLAGE OF STURTEVANT

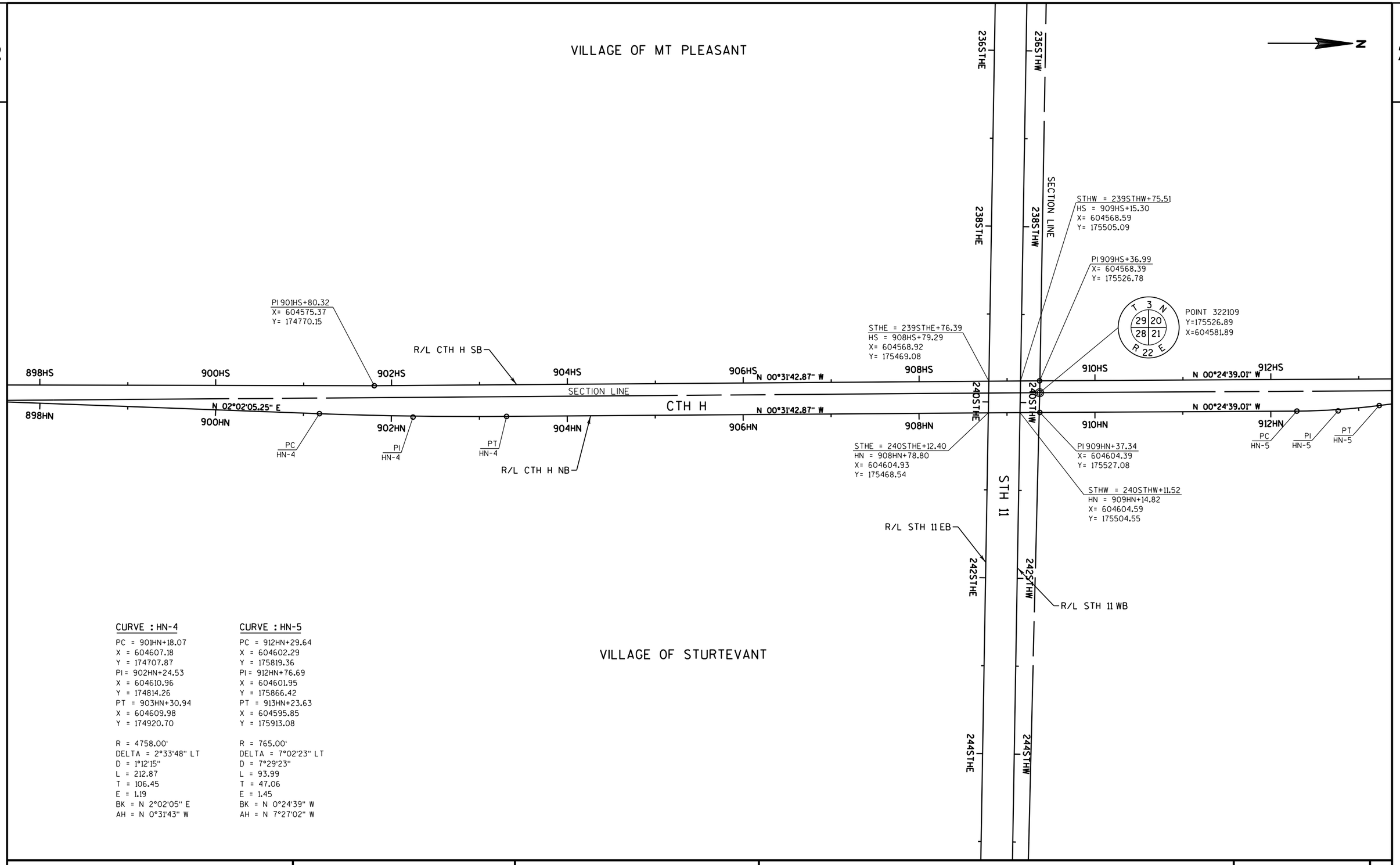
CURVE : HN-3

PC = 895HN+02.69
X = 604590.12
Y = 174092.78
PI = 896HN+09.68
X = 604589.13
Y = 174199.76
PT = 897HN+16.64
X = 604592.93
Y = 174306.69

R = 4782.00'
DELTA = 2°33'48" RT
D = 1°11'53"
L = 213.94
T = 106.99
E = 1.20
BK = N 0°31'43" W
AH = N 2°02'05" E

PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	ALIGNMENT: CTH H	SHEET 394	E

VILLAGE OF MT PLEASANT



VILLAGE OF STURTEVANT

CURVE : HN-4

PC = 901HN+18.07
X = 604607.18
Y = 174707.87
PI = 902HN+24.53
X = 604610.96
Y = 174814.26
PT = 903HN+30.94
X = 604609.98
Y = 174920.70

R = 4758.00'
DELTA = 2°33'48" LT
D = 1°12'15"
L = 212.87
T = 106.45
E = 1.19
BK = N 2°02'05" E
AH = N 0°31'43" W

CURVE : HN-5

PC = 912HN+29.64
X = 604602.29
Y = 175819.36
PI = 912HN+76.69
X = 604601.95
Y = 175866.42
PT = 913HN+23.63
X = 604595.85
Y = 175913.08

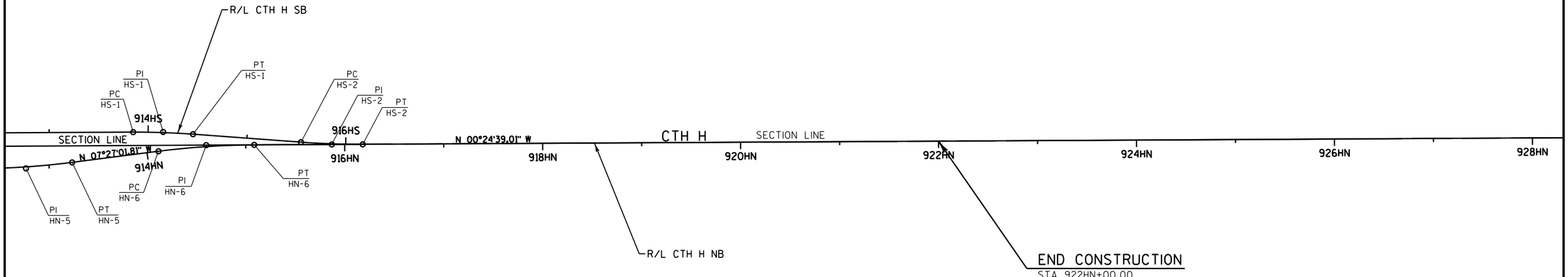
R = 765.00'
DELTA = 7°02'23" LT
D = 7°29'23"
L = 93.99
T = 47.06
E = 1.45
BK = N 0°24'39" W
AH = N 7°27'02" W

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	ALIGNMENT: CTH H	SHEET 395	E

2

VILLAGE OF MT PLEASANT

N



CURVE : HN-5

PC = 912HN+29.64
X = 604602.29
Y = 175819.36
PI = 912HN+76.69
X = 604601.95
Y = 175866.42
PT = 913HN+23.63
X = 604595.85
Y = 175913.08

R = 765.00'
DELTA = 7°02'23" LT
D = 7°29'23"
L = 93.99
T = 47.06
E = 1.45
BK = N 0°24'39" W
AH = N 7°27'02" W

CURVE : HN-6

PC = 914HN+11.57
X = 604584.45
Y = 176000.27
PI = 914HN+60.16
X = 604578.15
Y = 176048.46
PT = 915HN+08.63
X = 604577.80
Y = 176097.05

R = 790.00'
DELTA = 7°02'23" RT
D = 7°15'09"
L = 97.06
T = 48.59
E = 1.49
BK = N 7°27'02" W
AH = N 0°24'39" W

CURVE : HS-1

PC = 913HS+84.93
X = 604565.18
Y = 175974.71
PI = 914HS+15.20
X = 604564.96
Y = 176004.98
PT = 914HS+45.44
X = 604567.13
Y = 176035.17

R = 765.00'
DELTA = 4°31'53" RT
D = 7°29'23"
L = 60.50
T = 30.27
E = 0.60
BK = N 0°24'39" W
AH = N 4°07'14" E

CURVE : HS-2

PC = 915HS+54.79
X = 604574.99
Y = 176144.24
PI = 915HS+86.04
X = 604577.24
Y = 176175.41
PT = 916HS+17.27
X = 604577.01
Y = 176206.67

R = 790.00'
DELTA = 4°31'53" LT
D = 7°15'09"
L = 62.48
T = 31.26
E = 0.62
BK = N 4°07'14" E
AH = N 0°24'39" W

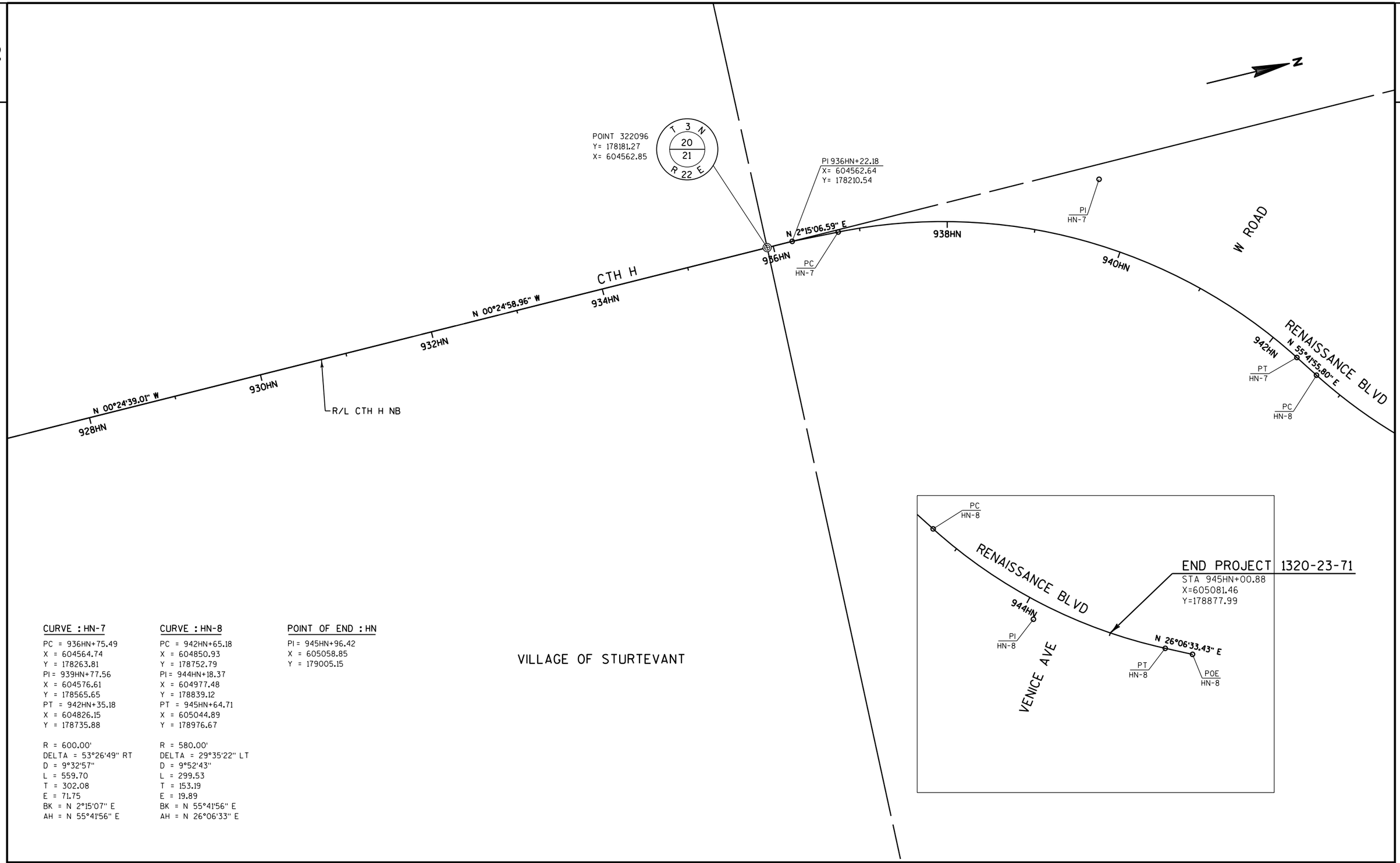
POINT OF END : HS

PI = 916HN+17.27
X = 604577.01
Y = 176206.67

VILLAGE OF STURTEVANT

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	ALIGNMENT: CTH H	SHEET 396	E

2



CURVE : HN-7

PC = 936HN+75.49
X = 604564.74
Y = 178263.81
PI = 939HN+77.56
X = 604576.61
Y = 178565.65
PT = 942HN+35.18
X = 604826.15
Y = 178735.88

R = 600.00'
DELTA = 53°26'49" RT
D = 9°32'57"
L = 559.70
T = 302.08
E = 71.75
BK = N 2°15'07" E
AH = N 55°41'56" E

CURVE : HN-8

PC = 942HN+65.18
X = 604850.93
Y = 178752.79
PI = 944HN+18.37
X = 604977.48
Y = 178839.12
PT = 945HN+64.71
X = 605044.89
Y = 178976.67

R = 580.00'
DELTA = 29°35'22" LT
D = 9°52'43"
L = 299.53
T = 153.19
E = 19.89
BK = N 55°41'56" E
AH = N 26°06'33" E

POINT OF END : HN

PI = 945HN+96.42
X = 605058.85
Y = 179005.15

VILLAGE OF STURTEVANT

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	ALIGNMENT: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-HN\Plots\Plan\1320-23-71_sht_22.dgn PLOT DATE : 8/1/2017 2:01:22 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

VILLAGE OF MT PLEASANT

VILLAGE OF STURTEVANT

N

T 3 N
20 29
R 22 E

POINT 322108
Y=175566.81
X=601922.90

T 3 N
20 21
29 28
R 22 E

POINT 322109
Y=175526.89
X=604581.89

914HS

914HN

912HS

912HN

910HS

910HN

SECTION LINE

STHW = 239STHW+75.51
HS = 909HS+15.30
X= 604568.59
Y= 175505.09

STHW = 240STHW+11.52
HN = 909HN+14.82
X= 604604.59
Y= 175504.55

R/L STH 11 WB

SECTION LINE

236STHW

238STHW

240STHW

242STHW

S 89°08'23.81" E

244STHW

246STHW

POB
STHW

STH 11

S 89°08'23.85" E

S 89°08'23.85" E

POB
STHE

234STHE

236STHE

238STHE

240STHE

242STHE

244STHE

246STHE

STHE = 239STHE+76.39
HS = 908HS+79.29
X= 604568.92
Y= 175469.08

STHE = 240STHE+12.40
HN = 908HN+78.80
X= 60604.93
Y= 175468.54

R/L STH 11 EB

BEGIN CONSTRUCTION
STA 234STHE+00.00

908HS

908HN

R/L CTH H SB

R/L CTH H NB

906HS

906HN

CTH H

POINT OF BEGINNING : STHW
PI = 234STHW+00.00
X = 603993.14
Y = 175513.73
AH = S 89° 08' 24" E

POINT OF BEGINNING : STHE
PI = 234STHE+00.00
X = 603992.60
Y = 175477.73
AH = S 89° 08' 24" E

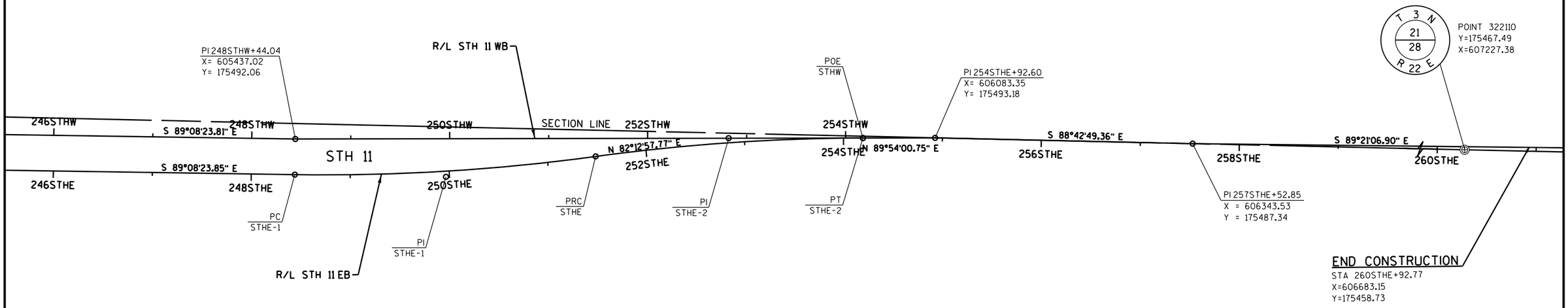
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	ALIGNMENT: STH 11	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE = 8/22/2023 7:01:35 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

2

N

VILLAGE OF STURTEVANT



CURVE : STHE-1

PC = 248STHE+44.04
X = 605436.48
Y = 175456.06
PI = 249STHE+96.71
X = 605589.12
Y = 175453.77
PRC = 251HN+48.79
X = 605740.38
Y = 175474.44

R = 2020.00'
DELTA = 8°38'38" LT
D = 2°50'11"
L = 304.75
T = 152.66
E = 5.76
BK = S 89°08'24" E
AH = N 82°12'58" E

CURVE : STHE-2

PRC = 251HN+48.79
X = 605740.38
Y = 175474.44
PI = 252STHE+84.45
X = 605874.79
Y = 175492.82
PT = 254STHE+19.70
X = 606010.45
Y = 175493.05

R = 2020.00'
DELTA = 7°41'03" RT
D = 2°50'11"
L = 270.91
T = 135.66
E = 4.55
BK = N 82°12'58" E
AH = N 89°54'01" E

POINT OF END : STHW

PI = 254STHW+17.47
X = 606010.45
Y = 175493.05

POINT OF END : STHE

PI = 263STHE+23.98
X = 606914.62
Y = 175480.88

VILLAGE OF STURTEVANT

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	ALIGNMENT: STH 11	SHEET 399	E

2

N

VILLAGE OF STURTEVANT

END PROJECT 1320-23-74
STA 276STH+01.52
X=612509.56
Y=175314.82

POE
RD

84TH STREET

PC
STH-3

PC
STH-1

PI
STH-1

PT
STH-1

N 88°37'00.22" E

PC
STH-2

PI
STH-2

PT
STH-2

S 88°57'15.75" E

262STH

264STH

266STH

268STH

STH 11

270STH

272STH

274STH

100RD

276STH

STH = 275STH+16.46
RD = 100RD+00.00
X= 612425.60
Y= 175376.32

BEGIN PROJECT 1320-23-74
STA 263STH+17.17
X=611225.91
Y=175352.09

WILLOW ROAD

98RD

VILLAGE OF STURTEVANT

BEGIN CONSTRUCTION
STA 97RD+42.82
X=612386.15
Y=175116.09

POB
RD

CURVE : STH-1

PC = 263STH+95.09
X = 611304.39
Y = 175381.78
PI = 265STH+21.16
X = 611430.44
Y = 175379.48
PT = 266STH+47.20
X = 611556.47
Y = 175382.53

R = 5947.00
DELTA = 2°25'44" LT
D = 0°57'48"
L = 252.11
T = 126.07
E = 1.34
BK = S 88°57'16" E
AH = N 88°37'00" E

CURVE : STH-2

PC = 267STH+49.00
X = 611658.24
Y = 175384.98
PI = 268STH+75.07
X = 611784.28
Y = 175388.03
PT = 270STH+01.10
X = 611910.33
Y = 175385.73

R = 5947.00
DELTA = 2°25'44" RT
D = 0°57'48"
L = 252.11
T = 126.07
E = 1.34
BK = N 88°37'00" E
AH = S 88°57'16" E

CURVE : STH-3

PC = 276STH+74.39
X = 612583.51
Y = 175373.44
PI = 279STH+34.20
X = 612843.27
Y = 175368.70
PT = 281STH+93.68
X = 613101.63
Y = 175341.32

R = 5947.00
DELTA = 5°00'11" RT
D = 0°57'48"
L = 519.29
T = 259.81
E = 5.67
BK = S 88°57'16" E
AH = S 83°57'05" E

POINT OF BEGINNING : STH

PI = 260STH+00.00
X = 610909.36
Y = 175388.99
AH = S 88° 57' 15.75" E

POINT OF BEGINNING : RD

PI = 96RD+50.00
X = 612447.97
Y = 175027.04
AH = N 3° 39' 51.90" W

POINT OF END : STH

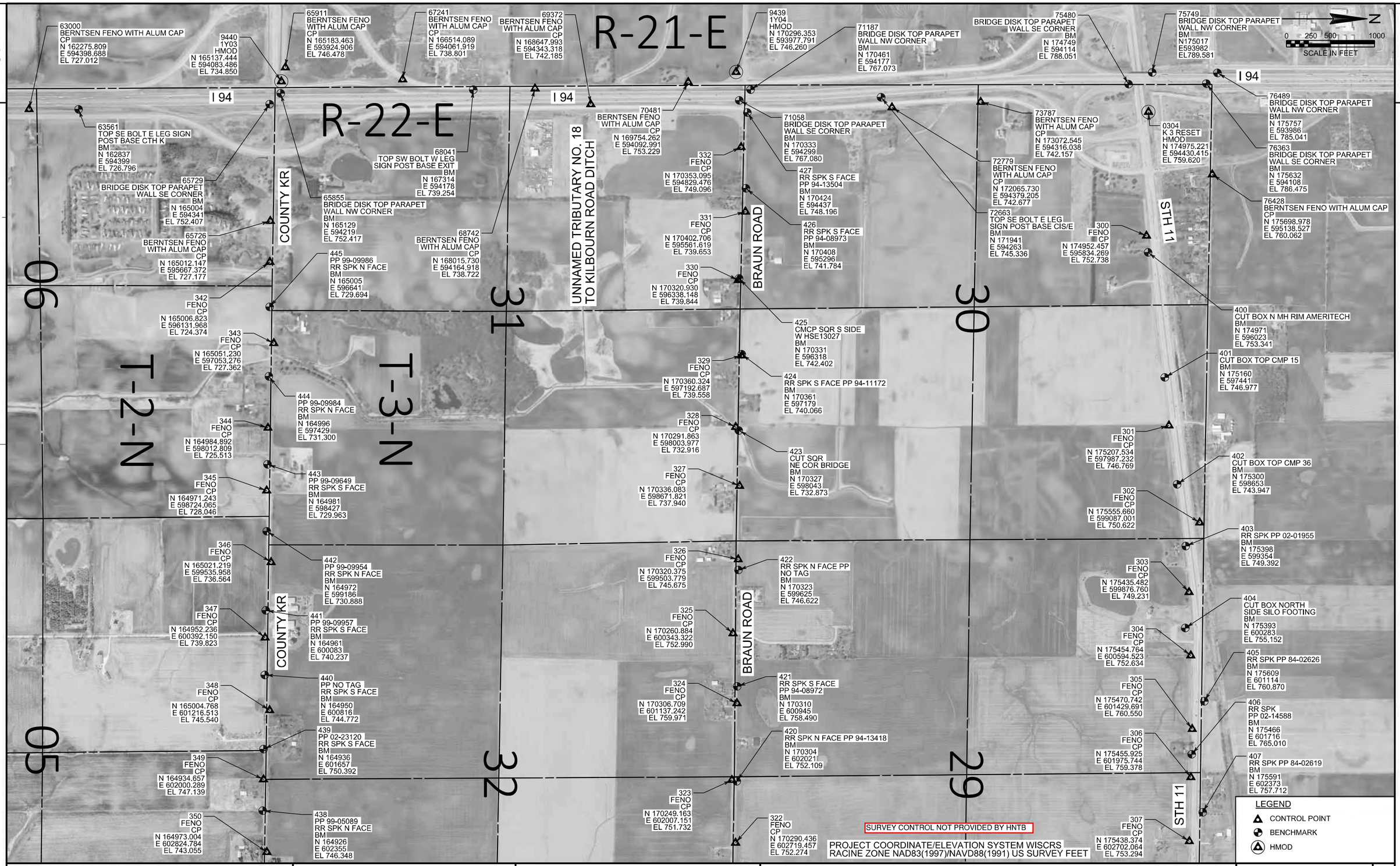
PI = 283STH+00.00
X = 613207.36
Y = 175330.12
BK = S 83°57'04.91" E

POINT OF END : RD

PI = 101RD+50.00
X = 612416.01
Y = 175526.01
BK = N 3° 39' 51.90" W

PROJECT NO:1320-23-74	HWY: STH 11	COUNTY:RACINE	ALIGNMENT: STH 11	SHEET 400	E

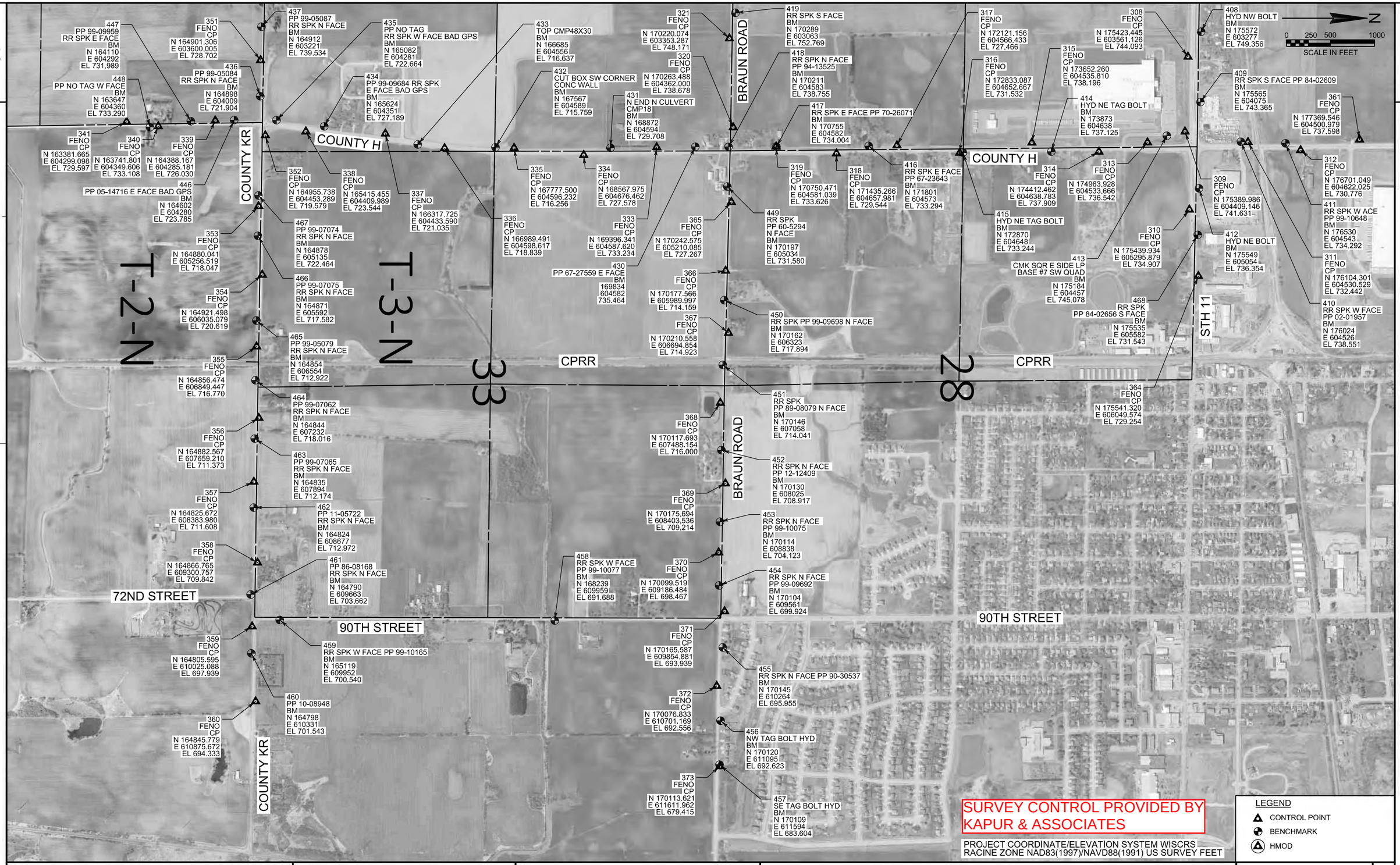
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PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CONTROL AND BENCHMARK OVERVIEW	SHEET 401	E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\Displays\CONTROL AND BENCHMARK DISPLAY\CONTROL AND BENCHMARKS DISPLAY SHT 1.dgn PLOT DATE : 3/29/2018 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:1000

WISDOT/CADDS SHEET 42



PROJECT NO: 23760-00-71	HWY: CTH H	COUNTY: RACINE	CONTROL AND BENCHMARK OVERVIEW	SHEET 402	E

FILE NAME : S:\DOT\DOT_SE\180045_Foxconn_Local_Roads\Design\Displays\CONTROL AND BENCHMARK DISPLAY\CONTROL AND BENCHMARKS DISPLAY SHT 2.dgn PLOT DATE : 3/29/2018 PLOT BY : wwolak PLOT NAME : PLOT SCALE : 1:1000

WISDOT/CADDS SHEET 42

Estimate Of Quantities

Line	Item	Item Description	Unit	Total	1320-23-71 Qty	1320-23-74 Qty	3760-00-71 Qty	3760-00-72 Qty
0002	108.4400	CPM Progress Schedule	EACH	3.000	1.000	1.000	1.000	
0004	201.0105	Clearing	STA	50.000	23.000	2.000	25.000	
0006	201.0205	Grubbing	STA	50.000	23.000	2.000	25.000	
0008	203.0100	Removing Small Pipe Culverts	EACH	23.000	9.000		14.000	
0010	204.0100	Removing Pavement	SY	50.000				50.000
0012	204.0110	Removing Asphaltic Surface	SY	1,563.000	853.000			710.000
0014	204.0115	Removing Asphaltic Surface Butt Joints	SY	269.000	269.000			
0016	204.0120	Removing Asphaltic Surface Milling	SY	1,415.000	1,415.000			
0018	204.0150	Removing Curb & Gutter	LF	10,929.000	10,771.000	158.000		
0020	204.0155	Removing Concrete Sidewalk	SY	460.000	410.000	50.000		
0022	204.0170	Removing Fence	LF	227.000	227.000			
0024	204.0195	Removing Concrete Bases	EACH	12.000	1.000		11.000	
0026	204.0210	Removing Manholes	EACH	6.000	6.000			
0028	204.0220	Removing Inlets	EACH	43.000	40.000	3.000		
0030	204.0245	Removing Storm Sewer (size) 001. (8-Inch - 30-Inch)	LF	2,111.000	2,111.000			
0032	204.9090.S	Removing (item description) 001. Underdrain	LF	450.000	225.000		225.000	
0034	204.9090.S	Removing (item description) 002. Drain Tile	LF	1,500.000	750.000		750.000	
0036	204.9105.S	Removing (item description) 301. Traffic Signals STH 11 & CTH H	LS	1.000			1.000	
0038	204.9105.S	Removing (item description) 302. Traffic Signals STH 11 & Willow Rd/Bucyrus Erie Ent	LS	1.000	1.000			
0040	204.9105.S	Removing (item description) 303. Loop Detector Wire and Lead-In Cable STH 11 & CTH H	LS	1.000			1.000	
0042	204.9180.S	Removing (item description) 001. Riprap	SY	149.000	122.000	27.000		
0044	205.0100	Excavation Common	CY	113,123.000	70,352.000	519.000	42,252.000	
0046	213.0100	Finishing Roadway (project) 001. 1320-23-71	EACH	1.000	1.000			
0048	213.0100	Finishing Roadway (project) 002. 1320-23-74	EACH	1.000		1.000		
0050	213.0100	Finishing Roadway (project) 004. 3760-00-71	EACH	1.000			1.000	
0052	213.0100	Finishing Roadway (project) 005. 3760-00-72	EACH	1.000				1.000
0054	305.0110	Base Aggregate Dense 3/4-Inch	TON	870.000	120.000		180.000	570.000
0056	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	41,210.000	30,100.000	430.000	10,510.000	170.000
0058	311.0110	Breaker Run	TON	81,050.000	57,000.000		24,050.000	
0060	325.0100	Pulverize and Relay	SY	14,200.000				14,200.000
0062	371.2000.S	QMP Base Aggregate Dense 1 1/4-Inch Compaction	EACH	28.000	20.000		8.000	
0064	415.0100	Concrete Pavement 10-Inch	SY	62,596.000	43,393.000		19,203.000	
0066	415.1100	Concrete Pavement HES 10-Inch	SY	1,500.000	1,400.000		100.000	
0068	415.4100	Concrete Pavement Joint Filling	SY	62,596.000	43,393.000		19,203.000	
0070	415.5110.S	Concrete Pavement Joint Layout 001. 1320-23-71	LS	1.000	1.000			
0072	415.5110.S	Concrete Pavement Joint Layout 002. 1320-23-74	LS	1.000		1.000		
0074	415.5110.S	Concrete Pavement Joint Layout 003. 3760-00-71	LS	1.000			1.000	

					1320-23-71	1320-23-74	3760-00-71	3760-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**
0076	416.0160	Concrete Driveway 6-Inch	SY	571.000	220.000	215.000	136.000	
0078	416.0620	Drilled Dowel Bars	EACH	183.000	84.000		99.000	
0080	416.1010	Concrete Surface Drains	CY	21.000	9.000		12.000	
0082	455.0605	Tack Coat	GAL	1,297.000	297.000			1,000.000
0084	460.2000	Incentive Density HMA Pavement	DOL	882.000	882.000			
0086	460.6223	HMA Pavement 3 MT 58-28 S	TON	651.000	651.000			
0088	460.6224	HMA Pavement 4 MT 58-28 S	TON	451.000	451.000			
0090	465.0105	Asphaltic Surface	TON	3,602.000	252.000			3,350.000
0092	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	309.000	129.000	8.000	32.000	140.000
0094	465.0125	Asphaltic Surface Temporary	TON	2,155.000	2,155.000			
0096	495.1000.S	Cold patch	TON	500.000	300.000		200.000	
0098	520.1015	Apron Endwalls for Culvert Pipe 15-Inch	EACH	19.000		1.000	18.000	
0100	520.1024	Apron Endwalls for Culvert Pipe 24-Inch	EACH	2.000			2.000	
0102	520.1036	Apron Endwalls for Culvert Pipe 36-Inch	EACH	3.000			3.000	
0104	520.8000	Concrete Collars for Pipe	EACH	2.000	2.000			
0106	522.0415	Culvert Pipe Reinforced Concrete Class IV 15-Inch	LF	525.000	300.000		225.000	
0108	522.0436	Culvert Pipe Reinforced Concrete Class IV 36-Inch	LF	155.000			155.000	
0110	522.1015	Apron Endwalls for Culvert Pipe Reinforced Concrete 15-Inch	EACH	24.000	24.000			
0112	522.1024	Apron Endwalls for Culvert Pipe Reinforced Concrete 24-Inch	EACH	3.000	3.000			
0114	522.2624	Apron Endwalls for Culvert Pipe Reinforced Concrete Horizontal Elliptical 24x38-Inch	EACH	2.000			2.000	
0116	601.0405	Concrete Curb & Gutter 18-Inch Type A	LF	234.000	234.000			
0118	601.0409	Concrete Curb & Gutter 30-Inch Type A	LF	22,559.000	12,656.000		9,903.000	
0120	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	1,486.000	1,486.000			
0122	601.0555	Concrete Curb & Gutter 6-Inch Sloped 36-Inch Type A	LF	2,145.000	1,961.000		184.000	
0124	602.0410	Concrete Sidewalk 5-Inch	SF	40,321.000	24,870.000	12,212.000	3,239.000	
0126	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	620.000	580.000	40.000		
0128	602.0605	Curb Ramp Detectable Warning Field Radial Yellow	SF	314.000	274.000	40.000		
0130	606.0200	Riprap Medium	CY	62.300	16.000	13.300	33.000	
0132	606.0300	Riprap Heavy	CY	76.000			76.000	
0134	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	2,313.000	1,925.000		388.000	
0136	608.0318	Storm Sewer Pipe Reinforced Concrete Class III 18-Inch	LF	876.000	876.000			
0138	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	1,519.000	1,283.000		236.000	
0140	608.0336	Storm Sewer Pipe Reinforced Concrete Class III 36-Inch	LF	430.000			430.000	
0142	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-	LF	1,526.000	1,115.000	41.000	370.000	

					1320-23-71	1320-23-74	3760-00-71	3760-00-72	
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**	
		Inch							
0144	608.0418	Storm Sewer Pipe Reinforced Concrete Class IV 18-Inch	LF	485.000	485.000				
0146	608.0424	Storm Sewer Pipe Reinforced Concrete Class IV 24-Inch	LF	1,983.000	543.000		1,440.000		
0148	608.0436	Storm Sewer Pipe Reinforced Concrete Class IV 36-Inch	LF	701.000	33.000		668.000		
0150	608.0460	Storm Sewer Pipe Reinforced Concrete Class IV 60-Inch	LF	14.000	14.000				
0152	608.2419	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 19x30-Inch	LF	411.000			411.000		
0154	608.2424	Storm Sewer Pipe Reinforced Concrete Horizontal Elliptical Class HE-IV 24x38-Inch	LF	139.000			139.000		
0156	611.0430	Reconstructing Inlets	EACH	2.000	2.000				
0158	611.0535	Manhole Covers Type J-Special	EACH	3.000	3.000				
0160	611.0624	Inlet Covers Type H	EACH	111.000	74.000		37.000		
0162	611.0627	Inlet Covers Type HM	EACH	17.000	15.000		2.000		
0164	611.0639	Inlet Covers Type H-S	EACH	10.000	5.000		5.000		
0166	611.0642	Inlet Covers Type MS	EACH	18.000	14.000	2.000	2.000		
0168	611.0654	Inlet Covers Type V	EACH	12.000	2.000		10.000		
0170	611.2005	Manholes 5-FT Diameter	EACH	44.000	29.000		15.000		
0172	611.2006	Manholes 6-FT Diameter	EACH	10.000	1.000		9.000		
0174	611.2007	Manholes 7-FT Diameter	EACH	2.000	1.000		1.000		
0176	611.2008	Manholes 8-FT Diameter	EACH	1.000	1.000				
0178	611.3004	Inlets 4-FT Diameter	EACH	48.000	34.000		14.000		
0180	611.3230	Inlets 2x3-FT	EACH	49.000	34.000		15.000		
0182	611.3902	Inlets Median 2 Grate	EACH	8.000	6.000	1.000	1.000		
0184	611.8110	Adjusting Manhole Covers	EACH	3.000	2.000	1.000			
0186	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000				
0188	611.8120.S	Cover Plates Temporary	EACH	11.000	11.000				
0190	611.9800.S	Pipe Grates	EACH	1.000			1.000		
0192	612.0700	Drain Tile Exploration	LF	3,000.000	1,500.000		1,500.000		
0194	616.0700.S	Fence Safety	LF	4,500.000	1,500.000	1,500.000	1,500.000		
0196	618.0100	Maintenance And Repair of Haul Roads (project) 001. 1320-23-71	EACH	1.000	1.000				
0198	618.0100	Maintenance And Repair of Haul Roads (project) 003. 3760-00-71	EACH	1.000			1.000		
0200	619.1000	Mobilization	EACH	1.000	0.100	0.010	0.880	0.010	
0202	620.0300	Concrete Median Sloped Nose	SF	1,767.000	1,367.000		400.000		
0204	623.0200	Dust Control Surface Treatment	SY	100,570.000	71,000.000	1,780.000	27,790.000		
0206	624.0100	Water	MGAL	2,460.000	1,750.000	10.000	700.000		

					1320-23-71	1320-23-74	3760-00-71	3760-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**
0208	628.1104	Erosion Bales	EACH	645.000	325.000		320.000	
0210	628.1504	Silt Fence	LF	18,050.000	9,200.000	3,100.000	5,750.000	
0212	628.1520	Silt Fence Maintenance	LF	18,050.000	9,200.000	3,100.000	5,750.000	
0214	628.2008	Erosion Mat Urban Class I Type B	SY	110,980.000	56,800.000	5,730.000	48,450.000	
0216	628.7005	Inlet Protection Type A	EACH	158.000	103.000	1.000	54.000	
0218	628.7020	Inlet Protection Type D	EACH	161.000	101.000		60.000	
0220	628.7504	Temporary Ditch Checks	LF	560.000	180.000	50.000	330.000	
0222	628.7555	Culvert Pipe Checks	EACH	27.000	13.000	1.000	13.000	
0224	628.7560	Tracking Pads	EACH	20.000	10.000		10.000	
0226	629.0210	Fertilizer Type B	CWT	85.800	44.000	8.500	33.300	
0228	630.0140	Seeding Mixture No. 40	LB	2,050.000	1,050.000	110.000	880.000	10.000
0230	630.0200	Seeding Temporary	LB	2,485.000	1,540.000	155.000	790.000	
0232	630.0500	Seed Water	MGAL	2,410.000	1,150.000	140.000	1,100.000	20.000
0234	633.5200	Markers Culvert End	EACH	41.000	21.000		20.000	
0236	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	80.000	65.000		15.000	
0238	637.2210	Signs Type II Reflective H	SF	517.580	433.280		84.300	
0240	637.2215	Signs Type II Reflective H Folding	SF	72.600	72.600			
0242	637.2230	Signs Type II Reflective F	SF	136.500	118.500		18.000	
0244	638.2602	Removing Signs Type II	EACH	133.000	120.000		13.000	
0246	638.3000	Removing Small Sign Supports	EACH	85.000	72.000		13.000	
0248	643.0300	Traffic Control Drums	DAY	45,353.000	36,793.000	8,560.000		
0250	643.0420	Traffic Control Barricades Type III	DAY	8,012.000	6,553.000	480.000	979.000	
0252	643.0705	Traffic Control Warning Lights Type A	DAY	16,024.000	13,106.000	960.000	1,958.000	
0254	643.0715	Traffic Control Warning Lights Type C	DAY	19,742.000	17,102.000	2,640.000		
0256	643.0900	Traffic Control Signs	DAY	36,521.000	32,825.000	1,600.000	2,096.000	
0258	643.0920	Traffic Control Covering Signs Type II	EACH	100.000	45.000	10.000	45.000	
0260	643.1050	Traffic Control Signs PCMS	DAY	717.000	657.000		60.000	
0262	643.5000	Traffic Control	EACH	0.990	0.330	0.330	0.330	
0264	645.0120	Geotextile Type HR	SY	294.000	50.000	27.000	217.000	
0266	645.0220	Geogrid Type SR	SY	2,665.000			2,665.000	
0268	646.1020	Marking Line Epoxy 4-Inch	LF	24,842.000	1,610.000			23,232.000
0270	646.5020	Marking Arrow Epoxy	EACH	53.000	43.000		10.000	
0272	646.5120	Marking Word Epoxy	EACH	22.000	20.000		2.000	
0274	646.5220	Marking Symbol Epoxy	EACH	2.000	2.000			
0276	646.6120	Marking Stop Line Epoxy 18-Inch	LF	207.000	196.000			11.000
0278	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	33.000	33.000			
0280	646.7120	Marking Diagonal Epoxy 12-Inch	LF	318.000	318.000			
0282	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	905.000	905.000			
0284	646.8120	Marking Curb Epoxy	LF	40.000	40.000			
0286	646.8220	Marking Island Nose Epoxy	EACH	4.000	4.000			

					1320-23-71	1320-23-74	3760-00-71	3760-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**
0288	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	43,586.000	43,225.000	361.000		
0290	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	4,223.000	3,960.000	263.000		
0292	649.0550	Temporary Marking Arrow Removable Tape	EACH	37.000	35.000	2.000		
0294	649.0650	Temporary Marking Word Removable Tape	EACH	10.000	9.000	1.000		
0296	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	448.000	448.000			
0298	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	7,682.000	6.000		7,676.000	
0300	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	5,342.000			5,342.000	
0302	652.0615	Conduit Special 3-Inch	LF	56.000	56.000			
0304	652.0700.S	Install Conduit into Existing Item	EACH	2.000			2.000	
0306	652.0800	Conduit Loop Detector	LF	3,872.000			3,872.000	
0308	653.0135	Pull Boxes Steel 24x36-Inch	EACH	40.000			40.000	
0310	653.0140	Pull Boxes Steel 24x42-Inch	EACH	23.000	1.000		22.000	
0312	653.0905	Removing Pull Boxes	EACH	20.000	1.000		19.000	
0314	654.0101	Concrete Bases Type 1	EACH	5.000			5.000	
0316	654.0102	Concrete Bases Type 2	EACH	5.000	1.000		4.000	
0318	654.0105	Concrete Bases Type 5	EACH	38.000			38.000	
0320	654.0113	Concrete Bases Type 13	EACH	3.000			3.000	
0322	654.0217	Concrete Control Cabinet Bases Type 9 Special	EACH	1.000			1.000	
0324	654.0230	Concrete Control Cabinet Bases Type L30	EACH	1.000			1.000	
0326	654.1130	Concrete Bases Camera Pole 30-FT	EACH	1.000			1.000	
0328	655.0210	Cable Traffic Signal 3-14 AWG	LF	2,167.000			2,167.000	
0330	655.0230	Cable Traffic Signal 5-14 AWG	LF	1,168.000	38.000		1,130.000	
0332	655.0240	Cable Traffic Signal 7-14 AWG	LF	1,528.000			1,528.000	
0334	655.0260	Cable Traffic Signal 12-14 AWG	LF	4,590.000	136.000		4,454.000	
0336	655.0320	Cable Type UF 2-10 AWG Grounded	LF	1,872.000			1,872.000	
0338	655.0510	Electrical Wire Traffic Signals 12 AWG	LF	6,132.000			6,132.000	
0340	655.0515	Electrical Wire Traffic Signals 10 AWG	LF	5,105.000			5,105.000	
0342	655.0610	Electrical Wire Lighting 12 AWG	LF	1,404.000			1,404.000	
0344	655.0700	Loop Detector Lead In Cable	LF	16,674.000			16,674.000	
0346	655.0800	Loop Detector Wire	LF	15,924.000			15,924.000	
0348	655.0900	Traffic Signal EVP Detector Cable	LF	2,830.000	663.000		2,167.000	
0350	656.0200	Electrical Service Meter Breaker Pedestal (location) 301. Electrical Service Meter Breaker Pedestal STH 11 & CTH H	LS	1.000			1.000	
0352	657.0100	Pedestal Bases	EACH	5.000			5.000	
0354	657.0255	Transformer Bases Breakaway 11 1/2-Inch Bolt Circle	EACH	43.000	1.000		42.000	
0356	657.0310	Poles Type 3	EACH	5.000	1.000		4.000	
0358	657.0322	Poles Type 5-Aluminum	EACH	4.000			4.000	
0360	657.0405	Traffic Signal Standards Aluminum 3.5-FT	EACH	1.000			1.000	
0362	657.0420	Traffic Signal Standards Aluminum 13-FT	EACH	3.000			3.000	

					1320-23-71	1320-23-74	3760-00-71	3760-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**
0364	657.0425	Traffic Signal Standards Aluminum 15-FT	EACH	1.000			1.000	
0366	657.0609	Luminaire Arms Single Member 4-Inch Clamp 6-FT	EACH	8.000			8.000	
0368	657.0610	Luminaire Arms Single Member 4 1/2-Inch Clamp 6-FT	EACH	4.000			4.000	
0370	658.0173	Traffic Signal Face 3S 12-Inch	EACH	24.000	2.000		22.000	
0372	658.0174	Traffic Signal Face 4S 12-Inch	EACH	3.000			3.000	
0374	658.0416	Pedestrian Signal Face 16-Inch	EACH	8.000			8.000	
0376	658.0500	Pedestrian Push Buttons	EACH	9.000			9.000	
0378	658.5069	Signal Mounting Hardware (location) 301. STH 11 & CTH H	LS	1.000			1.000	
0380	658.5069	Signal Mounting Hardware (location) 302. STH 11 & Willow Rd/Bucyrus Erie Ent	LS	1.000	1.000			
0382	659.1125	Luminaires Utility LED C	EACH	12.000			12.000	
0384	661.0200	Temporary Traffic Signals for Intersections (location) 301. STH 11 & CTH H	LS	1.000			1.000	
0386	661.0300	Generators	DAY	1.000			1.000	
0388	670.0100	Field System Integrator	LS	1.000			1.000	
0390	670.0100	Field System Integrator 301. Traffic Signals	LS	1.000			1.000	
0392	670.0200	ITS Documentation	LS	1.000			1.000	
0394	670.0200	ITS Documentation 301. Traffic Signals	LS	1.000			1.000	
0396	671.0122	Conduit HDPE 2-Duct 2-Inch	LF	6,020.000			6,020.000	
0398	673.0105	Communication Vault Type 1	EACH	7.000			7.000	
0400	673.0200	Tracer Wire Marker Posts	EACH	7.000			7.000	
0402	677.0130	Install Camera Pole 30-FT	EACH	1.000			1.000	
0404	677.0200	Install Camera Assembly	EACH	2.000			2.000	
0406	678.0072	Install Fiber Optic Cable Outdoor Plant 72-CT	LF	23,160.000			23,160.000	
0408	678.0300	Fiber Optic Splice	EACH	240.000			240.000	
0410	678.0500	Communication System Testing 001. ITS	LS	1.000			1.000	
0412	678.0500	Communication System Testing 301. Traffic Signals	LS	1.000			1.000	
0414	690.0150	Sawing Asphalt	LF	6,117.000	5,928.000		189.000	
0416	690.0250	Sawing Concrete	LF	68.000	68.000			
0418	715.0415	Incentive Strength Concrete Pavement	DOL	5,216.000	3,616.000		1,600.000	
0420	715.0710	Optimized Aggregate Gradation Incentive	DOL	66,195.000	45,888.000		20,307.000	
0422	740.0440	Incentive IRI Ride	DOL	18,711.000	9,723.000		8,988.000	
0424	SPV.0035	Special 001. Roadway Embankment	CY	59,320.000	30,318.000	632.000	28,370.000	
0426	SPV.0035	Special 002. EBS Excavation	CY	22,300.000	13,100.000		9,200.000	
0428	SPV.0035	Special 003. EBS Backfill	CY	22,300.000	13,100.000		9,200.000	
0430	SPV.0045	Special 001. Portable Speed Trailer	DAY	730.000	730.000			
0432	SPV.0060	Special 002. Temporary Stone Ditch Checks	EACH	80.000	40.000		40.000	
0434	SPV.0060	Special 003. Sand Bags	EACH	100.000	50.000		50.000	
0436	SPV.0060	Special 004. Temporary Sediment Traps	EACH	12.000	6.000		6.000	

					1320-23-71	1320-23-74	3760-00-71	3760-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**
0438	SPV.0060	Special 005. Erosion Control Filter Bags	EACH	10.000	5.000		5.000	
0440	SPV.0060	Special 006. Connect Drain Tile	EACH	20.000	10.000		10.000	
0442	SPV.0060	Special 007. Pond P Outlet Storm Sewer Structure	EACH	1.000			1.000	
0444	SPV.0060	Special 008. Mobilizations Emergency Pavement Repair	EACH	32.000	22.000		10.000	
0446	SPV.0060	Special 010. Section Corner Monuments	EACH	2.000	1.000		1.000	
0448	SPV.0060	Special 011. Reconnect Storm Sewer	EACH	5.000	5.000			
0450	SPV.0060	Special 012. Furnish Sanitary Manhole Cover	EACH	6.000	6.000			
0452	SPV.0060	Special 013. Reconstruct Sanitary Manhole	EACH	1.000	1.000			
0454	SPV.0060	Special 014. Adjusting Sanitary Manhole	EACH	12.000	12.000			
0456	SPV.0060	Special 301. Concrete Base Monotube Type 9 & 10 Special Pole	EACH	1.000			1.000	
0458	SPV.0060	Special 302. Transport and Install Poles Type 9 Special	EACH	1.000			1.000	
0460	SPV.0060	Special 303. Transport and Install Poles Type 12	EACH	3.000			3.000	
0462	SPV.0060	Special 304. Transport and Install Monotube Arms 45-FT	EACH	1.000			1.000	
0464	SPV.0060	Special 305. Transport and Install Monotube Arms 55-FT	EACH	3.000			3.000	
0466	SPV.0075	Special 001. Pavement Cleanup Project 1320-23-71	HRS	480.000	480.000			
0468	SPV.0075	Special 002. Pavement Cleanup Project 1320-23-74	HRS	100.000		100.000		
0470	SPV.0075	Special 004. Pavement Cleanup Project 3760-00-71	HRS	210.000			210.000	
0472	SPV.0090	Special 001. Heavy Duty Silt Fence	LF	1,840.000	1,000.000		840.000	
0474	SPV.0090	Special 002. Pipe Underdrain 6-Inch Special	LF	1,000.000	475.000		525.000	
0476	SPV.0090	Special 003. Marking Contrast Epoxy 4-Inch Special	LF	12,453.000	8,565.000		3,888.000	
0478	SPV.0090	Special 004. Marking Contrast Epoxy 8-Inch Special	LF	5,782.000	5,093.000		689.000	
0480	SPV.0105	Special 001. Survey Project (1320-23-71)	LS	1.000	1.000			
0482	SPV.0105	Special 002. Survey Project (1320-23-74)	LS	1.000		1.000		
0484	SPV.0105	Special 004. Survey Project (3760-00-71)	LS	1.000			1.000	
0486	SPV.0105	Special 005. Control of Water Project 1320-23-71	LS	1.000	1.000			
0488	SPV.0105	Special 008. Control of Water Project 3760-00-71	LS	1.000			1.000	
0490	SPV.0105	Special 301. Transport and Install State Furnished Traffic Signal Cabinet STH 11 & CTH H	LS	1.000			1.000	
0492	SPV.0105	Special 302. Trnspt & Inst State Furn EVP Det Heads w/ Conf Beacons STH 11 & CTH H	LS	1.000			1.000	
0494	SPV.0105	Special 303. Trnsprt & Inst State Furn EVP Det Heads STH 11 & Willow Rd/Bucyrus Erie Ent	LS	1.000	1.000			
0496	SPV.0105	Special 304. Temp Radar/Microwave Vehicle Det System for Intersections STH 11 & CTH H	LS	1.000			1.000	
0498	SPV.0105	Special 305. Temporary EVP System STH 11 & CTH H	LS	1.000			1.000	
0500	SPV.0105	Special 311. Transport & Install State Furnished FO Cable Pigtail 8-CT STH 11 & CTH H	LS	1.000			1.000	
0502	SPV.0105	Special 312. Trnsprt & Inst St Furn FO Cable Pigtail 8-CT CTH H & Access FC6/Access E5A	LS	1.000			1.000	

					1320-23-71	1320-23-74	3760-00-71	3760-00-72
Line	**Item**	**Item Description**	**Unit**	**Total**	**Qty**	**Qty**	**Qty**	**Qty**
0504	SPV.0105	Special 313. Trnsprt & Inst St Furn FO Cable Pigtail 8-CT STH 11 & International Drive	LS	1.000			1.000	
0506	SPV.0105	Special 314. Trnsprt & Inst St Furn FO Cable Pigtail 8-CT CTH KR & Wisconn Valley Way	LS	1.000			1.000	
0508	SPV.0105	Special 315. Trnsprt & Inst St Furn FO Cable Pigtail 8-CT Wisconn Valley Way & Braun Rd	LS	1.000			1.000	
0510	SPV.0105	Special 316. Trnsprt & Inst St Furn FO Cable Pigtail 8-CT STH 11 & Wisconn Valley Way	LS	1.000			1.000	
0512	SPV.0170	Special 001. Removal and Disposal of Invasive Plant Species	STA	10.000	5.000		5.000	
0514	SPV.0180	Special 001. Topsoil Special	SY	110,990.000	56,800.000	5,730.000	48,460.000	

CLEARING AND GRUBBING

STAGE	STATION BEGIN		STATION END	OFFSET	201.0105 CLEARING STA	201.0205 GRUBBING STA
STAGE 1						
CTH H	912HN+00	-	914HN+00	RT	2	2
	915HN+00	-	918HN+00	RT	3	3
	915HS+00	-	916HS+00	LT	1	1
	921HS+00	-	922HS+00	LT	1	1
STAGE 1 SUBTOTAL					7	7
STAGE 2						
CTH H	895HN+00	-	901HN+00	RT	6	6
STAGE 2 SUBTOTAL					6	6
STAGE 3						
STH 11	251STHE+00	-	254STHE+00	RT	3	3
	256STHE+00	-	258STHE+00	RT	2	2
STAGE 3 SUBTOTAL					5	5
STAGE 4						
CTH H	888HN+00	-	890HN+00	RT	2	2
	892HN+00	-	895HN+00	RT	3	3
STAGE 4 SUBTOTAL					5	5
PROJECT 1320-23-71 TOTAL					23	23

REMOVING SMALL PIPE CULVERT

ROADWAY	STATION BEGIN		STATION END	OFFSET	203.1000 REMOVING SMALL PIPE CULVERT EACH	TYPE
STAGE 2						
CTH H	894HN+71	-	894HN+71	LT	1	24- INCH CPP
	895HN+10	-	895HN+42	RT	1	--
	896HS+06	-	896HS+89	LT	1	15-INCH CMP
	896HN+10	-	896HN+41	RT	1	CMP
	900HN+78	-	901HN+34	RT	1	15-INCH RCCP
	904HN+01	-	904HN+02	RT/LT	1	36-INCH CMP
STAGE 2 SUBTOTAL					6	
STAGE 4						
	888HN+32	-	888HN+59	RT	1	CMP
	889HS+83	-	890HS+75	LT	1	CMP
	893HN+51	-	894HN+03	RT	1	CMP
STAGE 4 SUBTOTAL					3	
PROJECT 1320-23-71 TOTAL					9	

REMOVING ASPHALTIC SURFACE

STAGE	STATION		STATION	OFFSET	204.0110 REMOVING ASPHALTIC SURFACE SY	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINT SY
STAGE 2						
CTH H	926HN+20	-	926HN+92	LT	853	--
STAGE 2 SUBTOTAL					853	--
STAGE 3						
90TH STREET	254STHE+75	-	255STHE+25	LT/RT	--	269
STAGE 3 SUBTOTAL					--	269
PROJECT 1320-23-71 TOTAL					853	269

REMOVING CURB AND GUTTER

STAGE	STATION			OFFSET	204.0150 REMOVING CURB & GUTTER LF
STAGE 1					
CTH H	910HN+00	-	916HN+27	RT	633
	910HN+00	-	916HN+32	LT	627
	916HN+44	-	917HN+32	LT	123
	916HN+50	-	922HN+00	RT	550
	917HN+62	-	922HN+00	LT	473
STH 11	234STHE+00	-	239STHE+27	LT	1,058
	234STHW+00	-	243STHW+43	LT	560
	237STHE+21	-	239STHE+48	RT	461
	238STHE+08	-	239STHE+54	RT	457
	239STHE+29	-	239STHE+61	RT	85
	240STHW+05	-	240STHW+37	LT	85
	240STHE+19	-	244STHE+61	RT	480
	246STHE+32	-	251STHE+18	RT	486
	240STHW+20	-	241STHW+87	RT/LT	341
	240STHW+26	-	241STHE+27	LT	114
	240STHE+40	-	242STHE+50	LT	424
	248STHE+23	-	250STHE+08	LT	374
STAGE 1 SUBTOTAL					7,331
STAGE 2					
CTH H	895HS+96	-	896HS+20	LT	73
	896HS+43	-	897HS+12	LT	122
	900HS+60	-	901HS+01	LT	119
	901HS+23	-	901HD+52	LT	112
STAGE 2 SUBTOTAL					426
STAGE 3					
STH 11	244STHE+61	-	246STHE+32	RT	172
	251STHE+18	-	254STHE+75	RT	356
	241STHW+27	-	254STHE+75	LT	1,345
	242STHE+50	-	247STHE+25	LT	955
STAGE 3 SUBTOTAL					2,828
STAGE 4					
CTH H	889HS+61	-	890HS+11	LT	87
	890HS+45	-	890HS+91	LT	99
STAGE 4 SUBTOTAL					186
PROJECT 1320-23-71 TOTAL					10,771

REMOVING CONCRETE SIDEWALK

ROADWAY	STATION BEGIN		STATION END	OFFSET	204.0155 REMOVING CONCRETE SIDEWALK SY
STAGE 1					
STH 11	236STHE+94	-	239STHE+26	LT	128
	237STHE+22	-	239STHE+47	LT	81
	239STHE+30	-	239STHE+61	RT	36
	240STHE+06	-	240STHE+37	LT	36
	240STHE+20	-	241STHE+86	LT	56
	240STHE+40	-	241STHE+90	LT	73
STAGE 1 SUBTOTAL					410
PROJECT 1320-23-71 TOTAL					410

REMOVING FENCING

ROADWAY	STATION			OFFSET	204.0170 REMOVING FENCE LF
STAGE 2					
CTH H	896HN+17	-	898HN+11	RT	227
STAGE 2 SUBTOTAL					227
PROJECT 1320-23-71 TOTAL					227

REMOVING MANHOLES AND INLETS

ROADWAY	STATION	OFFSET	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
STAGE 1				
CTH H	910HN+39	21.9' LT	1	--
	910HN+42	56.6' LT	--	1
	910HN+43	0.2' RT	--	1
	912HS+83	1.9' RT	--	1
	912HN+91	54.3' LT	--	1
	912HN+94	19.2' LT	1	--
	915HN+68	0.6' RT	1	--
	915HN+69	23.6' RT	--	1
	915HN+69	23.7' LT	--	1
	916HN+94	1.0' LT	1	--
	920HN+94	22.9' LT	--	1
	920HN+94	23.1' RT	--	1
STH 11	234STHE+61	72.3' LT	--	1
	234STHE+62	43.0' LT	--	1
	234STHE+62	34.4' LT	1	--
	234STHE+62	14.5' LT	--	1
	239STHE+22	42.8' LT	--	1
	239STHE+22	30.4' LT	--	1
	241STHE+09	93.4' LT	1	--
STAGE 1 SUBTOTAL			6	13

REMOVING MANHOLES AND INLETS

ROADWAY	STATION	OFFSET	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH
STAGE 3				
STH 11	243STHE+22	74.5' LT	--	1
	243STHE+22	12.8' RT	--	1
	243STHE+40	32.5' LT	--	1
	243STHE+41	12.5' RT	--	1
	243STHE+41	10.2' LT	--	1
	243STHE+42	74.4' LT	--	1
	245STHE+91	64.5' LT	--	1
	245STHE+91	7.4' RT	--	1
	246STHE+10	6.7' RT	--	1
	246STHE+10	41.4' LT	--	1
	246STHE+11	26.4' LT	--	1
	246STHE+11	64.0' LT	--	1
	247STHE+12	43.4' LT	--	1
	247STHE+12	30.9' LT	--	1
	248STHE+32	68.7' LT	--	1
	248STHE+34	2.3' LT	--	1
	248STHE+53	69.1' LT	--	1
	248STHE+53	46.4' LT	--	1
	248STHE+53	25.7' LT	--	1
	248STHE+53	3.3' LT	--	1
	249STHE+67	67.5' LT	--	1
	249STHE+71	5.3' LT	--	1
	249STHE+74	28.0' LT	--	1
	252STHE+57	16.7' RT	--	1
	252STHE+62	35.0' LT	--	1
	252STHE+76	18.0' RT	--	1
	252STHE+81	33.3' LT	--	1
STAGE 3 SUBTOTAL			--	27
PROJECT 1320-23-71 TOTAL			6	40

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REMOVING STORM SEWER

ROADWAY	STATION BEGIN		STATION END	OFFSET	204.0245 REMOVING STORM SEWER (8-INCH - 30-INCH) LF	SIZE IN
STAGE 1						
CTH H	910HN+43			LT/RT	61	12
	910HN+43	-	916HN+95	LT	653	18 - 24
	912HN+83	-	912HN+91	LT/RT	62	12
	915HN+69			LT	43	24
	915HN+69			RT	43	12
	916HN+71	-	916HN+95	LT	42	12
	916HN+95	-	917HN+16	RT	42	24
	920HN+94			LT/RT	56	18
STH 11	234STHE+00	-	234STHE+62	LT	63	12
	234STHE+62			LT/RT	58	12
	241STHE+10	-	243STHE+43	LT	232	30
STAGE 1 SUBTOTAL					1,355	
STAGE 3						
STH 11	243STHE+24	-	243STHE+41	RT	17	12
	243STHE+24	-	243STHE+42	LT	18	12
	243STHE+41	-	243STHE+43	LT/RT	108	12
	245STHE+93	-	246STHE+10	RT	17	12
	245STHE+93	-	246STHE+11	LT	18	12
	246STHE+10	-	246STHE+13	LT/RT	98	12
	246STHE+13			LT	38	18
	247STHE+12			LT	5	12
	247STHE+12	-	248STHE+53	LT	142	12
	248STHE+29	-	248STHE+51	LT	22	12
	248STHE+35	-	248STHE+51	LT	16	12
	248STHE+53	-	248STHE+54	LT	88	12
	249STHE+63	-	249STHE+71	LT	81	12
	252STHE+41	-	252STHE+83	LT	49	8
	252STHE+60	-	252STHE+82	LT	23	12
	252STHE+82			LT	16	12
STAGE 3 SUBTOTAL					756	
PROJECT 1320-23-71 TOTAL					2,111	

REMOVING RIPRAP

ROADWAY	STATION		STATION	OFFSET	204.9180.S REMOVING RIPRAP SY
STAGE 2					
CTH H	894HN+45	-	895HN+01	LT	122
STAGE 2 SUBTOTAL					122
PROJECT 1320-23-71 TOTAL					122

REMOVING DRAINTILE

ROADWAY	204.9090.S.001 REMOVING UNDERDRAIN LF	204.9090.S.002 REMOVING DRAIN TILE LF
UNDISTRIBUTED	225	750
PROJECT 1320-23-71 TOTAL	225	750

FINISHING ROADWAY

ROADWAY	213.0100.001 FINISHING ROADWAY EACH
PROJECT 1320-23-71	1
PROJECT 1320-23-71 TOTAL	1

Division	From/To Station	Location	Excavation Common (CY) (1) 205.0100		Fill (CY) (6)	Roadway Embankment (CY) (3) SPV.0035.001	Mass Ordinate +/- (4) (7)	Comment:
			Cut (CY) (2)	Topsoil Removal (CY) (5)				
1	909+40 - 926+40	CTH H	11,029	0	1,106	1,106	9,923	
	927+34 - 944+00	CTH H	149	0	384	384	-235	
	234+00 - 240+50	STH 11	6,378	0	1,739	1,739	4,639	
	240+21 - 244+61	STH 11 - Temporary	2,122	0	36	36	2,085	
Project 1320-23-71 - Division 1 Subtotal			19,677	0		3,265	16,412	
Project 1320-23-71 - Division 1 Total			19,677			3,265	16,412	
2	894+50 - 908+42	CTH H	9,376	0	8,723	8,723	653	
	2+25 - 3+89	UNFI Driveway	816	0	10	10	806	
Project 1320-23-71 - Division 2 Subtotal			10,192	0		8,733	1,460	
Project 1320-23-71 - Division 2 Total			10,192			8,733	1,460	
3	240+50 - 260+93	STH 11	15,823	0	1,589	1,589	14,234	
	250+38 - 256+04	STH 11 - Temporary	2,827	0	9	9	2,819	
Project 1320-23-71 - Division 3 Subtotal			18,650	0		1,597	17,053	
Project 1320-23-71 - Division 3 Total			18,650			1,597	17,053	
4	888+00 - 894+50	CTH H	5,163	0	382	382	4,780	
Project 1320-23-71 - Division 4 Subtotal			5,163	0		382	4,780	
Project 1320-23-71 - Division 4 Total			5,163			382	4,780	
1, 2, 3, 4		CTH H	0	11,577	0	11,577	0	
1, 2, 3, 4		STH 11	0	4,763	0	4,763	0	
1, 2, 3, 4	ASPHALTIC REMOVAL	CTH H	62	0	0	0	62	
1, 2, 3, 4	ASPHALTIC REMOVAL	STH 11	268	0	0	0	268	
Project 1320-23-71 - Division 1, 2, 3, & 4 Subtotal			330	16,340		16,340	330	
Project 1320-23-71 - Division 1, 2, 3, & 4 Total			16,670			16,340	330	
Project 1320-23-71 Totals			**70,352**			**30,318**	**40,035**	

1) Excavation Common = Cut + (Topsoil Removal + Excavation Below Subgrade). Item number 205.0100. See Topsoil Removal Detail.
2) Cut volume includes existing concrete and asphaltic surface material.
3) Roadway Embankment = (Fill + Topsoil Removal Replaced + Excavation Below Subgrade Replaced). Refer to Topsoil Removal Detail.
4) Mass Ordinate = Cut - Fill. The Mass Ordinate is for information purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes
5) Topsoil quantity below subgrade in cut sections and topsoil removal quantity in fill areas. Excess topsoil material assumed to be wasted offsite.
6) Fill quantitiy shown for reference.
7) The Mass Ordinate is calculated by division. A positive quantity indicates an excess of material within the Division and a negative quantity indicates a shortage of material within the Division.

FILE NAME: \PW\t1\cds\030201_mq.ppt PLOT DATE : 10/17/2019 1:56:19 PM PLOT BY : HNTB Corp PLOT NAME : 030201_mq5 PLOT SCALE : 1:1

3

SUBSTRUCTURE

ROADWAY	FROM STATION		TO STATION	OFFSET	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	371.2000.S QMP BASE AGGREGATE DENSE 1 1/4 INCH COMPACTION EACH	623.0200 DUST CONTROL SURFACE TREATMENT CY	624.0100 WATER MGAL
STAGE 1										
CTH H	909HN+39	-	916HN+07	RT/LT	--	3,095	7,025	--	7,975	200
	916HN+07	-	916HN+34	RT/LT	--	97	153	--	183	5
	916HN+40	-	922HN+00	RT/LT	--	2,180	3,465	--	3,967	113
	926HN+18	-	926HN+56	RT	--	16	--	--	72	--
	926HN+18	-	926HN+58	LT	--	17	--	--	77	--
	927HN+01	-	927HN+49	LT	--	19	--	--	85	--
	927HN+01	-	927HN+49	RT	--	18	--	--	81	--
	944HN+03	-	944HN+20	RT	--	5	--	--	22	--
	944HN+65	-	945HN+01	RT	--	10	--	--	44	--
STH 11	234STHE+00	-	254STHE+75	RT/LT	--	3,650	8,363	--	9,446	238
STH 11 TEMPORARY WIDENING	240STHE+17	-	244STHE+82	RT	--	1,350	--	--	1,623	27
STAGE 1 SUBTOTAL					--	10,457	19,006	--	23,575	583
STAGE 2										
CTH H	894HN+71	-	908HN+43	RT/LT	40	6,451	15,170	--	17,364	432
STH 11 TEMPORARY WIDENING	246STHE+33	-	251STHE+19	RT	--	1,279	--	--	1,476	26
STAGE 2 SUBTOTAL					40	7,730	15,170	--	18,839	458
STAGE 3										
CTH H	904HN+00	-	904HN+98	LT	--	21	--	--	--	--
STH 11	234STHE+00	-	254STHE+75	RT/LT	--	5,744	12,727	--	14,597	370
STH 1 TEMPORARY WIDENING	250STHE+25	-	256STHE+04	RT	--	1,301	--	--	1,493	26
STAGE 3 SUBTOTAL					--	7,066	12,727	--	16,089	396
STAGE 4										
CTH H	888HN+00	-	894HN+71	RT/LT	66	2,067	4,916	--	5,960	142
STAGE 4 SUBTOTAL					66	2,067	4,916	--	5,960	142
UNDISTRIBUTED					14	2,780	5,181	20	6,536	171
PROJECT 1320-23-71 TOTAL					120	30,100	57,000	20	71,000	1,750

CONCRETE PAVEMENT

ROADWAY	STATION			OFFSET	415.0100 CONCRETE PAVEMENT 10-INCH SY	415.1100 CONCRETE PAVEMENT HIGH EARLY STRENGTH 10-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.1010 CONCRETE SURFACE DRAINS CY
STAGE 1									
CTH H	909HN+39	-	916HN+07	RT/LT	6,119	--	6,119	--	--
	912HN+68	-	913HN+04	RT	--	--	--	18	--
	913HN+97	-	914HN+36	RT	--	--	--	18	--
	921HN+44	-	921HN+77	RT	--	--	--	16	--
STH 11	234STHE+00	-	241STHE+03	RT/LT	7,716	--	7,716	--	--
STAGE 1 SUBTOTAL					13,835	--	13,835	52	--
STAGE 2									
CTH H	894HN+75	-	908HN+43	RT/LT	13,210	--	13,210	--	--
	894HN+99			RT	--	--	--	--	1
	895HN+12	-	895HN+38	RT	--	--	--	12	--
	895HN+50			RT	--	--	--	--	1
	896HN+09	-	896HN+38	RT	--	--	--	13	--
	897HN+09			RT	--	--	--	--	1
	898HN+01			RT	--	--	--	--	1
	899HN+38	-	899HN+72	RT	--	--	--	16	--
	900HN+01			RT	--	--	--	--	1
STAGE 2 SUBTOTAL					13,210	--	13,210	41	5
STAGE 3									
CTH H	903HN+99	-	904HN+98	LT	133	--	133	--	--
STH 11	241STHE+03	-	254STHE+75	RT/LT	11,596	--	11,596	--	--
	247STHE+71	-	248STHE+16	LT	--	--	--	22	--
	251STHE+25	-	251STHE+70	LT	--	--	--	22	--
	253STHE+93	-	254STHE+38	LT	--	--	--	22	--
STAGE 3 SUBTOTAL					11,729	--	11,729	66	--
STAGE 4									
CTH H	888HN+00	-	894HN+75	RT/LT	4,619	--	4,619	--	--
	888HN+28	-	888HN+59	RT	--	--	--	14	--
	889HN+02			RT	--	--	--	--	1
	889HN+58	-	889HN+77	RT	--	--	--	9	--
	890HN+13			RT	--	--	--	--	1
	892HN+48	-	892HN+82	RT	--	--	--	16	--
	892HN+99			RT	--	--	--	--	1
	893HN+50	-	893HN+95	RT	--	--	--	22	--
	894HN+27			RT	--	--	--	--	1
STAGE 4 SUBTOTAL					4,619	--	4,619	61	4
UNDISTRIBUTED					--	1,400	--	--	--
PROJECT 1320-23-71 TOTAL					43,393	1,400	43,393	220	9

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CONCRETE PAVEMENT JOINT LAYOUT

ROADWAY	415.5110.S.001 CONCRETE PAVEMENT JOINT LAYOUT LS
PROJECT 1320-23-71	1
PROJECT 1320-23-71 TOTAL	1

DRILLED DOWEL BARS

STATION	OFFSET	LOCATION	416.0620 DRILLED DOWEL BARS EACH
STAGE 1			
234STE+00		STH 11	52
STAGE 1 SUBTOTAL			52
STAGE 3			
254STHE+75		STH 11	32
STAGE 3 SUBTOTAL			32
PROJECT 1320-23-71 TOTAL			84

ASPHALT ITEMS

ROADWAY	STATION			OFFSET	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6224 HMA PAVEMENT 4 MT 58-28 S TON	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0125 ASPHALTIC SURFACE TEMPORARY TON	495.1000.S COLD PATCH TON	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY
STAGE 1												
CTH H	912HN+73	-	912HN+99	RT	--	--	--	--	14	--	--	--
	914HN+02	-	914HN+31	RT	--	--	--	--	12	--	--	--
	916HN+07	-	916HN+37	RT/LT	10	29	20	--	--	--	--	--
	916HN+40	-	922HN+00	RT/LT	227	622	431	--	--	--	--	--
	921HN+49	-	921HN+73	RT	--	--	--	--	13	--	--	--
TEMPORARY STH 11	235STHE+87	-	238STHE+83	LT	--	--	--	--	--	123	--	--
	236STHE+64	-	239STHE+44	LT	--	--	--	--	--	110	--	--
	240STHE+17	-	244STHE+82	RT	--	--	--	--	--	479	--	--
	240STHE+35	-	240STHE+99	LT	--	--	--	--	--	48	--	--
	240STHE+99	-	244STHE+50	LT	--	--	--	--	--	289	--	978
	240STHE+99	-	244STHE+50	RT/LT	--	--	--	--	--	129	--	437
	246STHE+32	-	251STHE+18	RT/LT	--	--	--	--	--	435	--	--
	248STHE+19	-	250STHE+11	LT	--	--	--	--	--	99	--	--
STAGE 1 SUBTOTAL					237	651	451	--	39	1,712	--	1,415
STAGE 2												
CTH H	895HN+17	-	895HN+33	RT	--	--	--	--	8	--	--	--
	903HN+99	-	904HN+98	LT	--	--	--	--	--	78	--	--
ENTERPRISE WAY INTERSECTION	926HN+20	-	926HN+92	RT/LT	60	--	--	252	--	--	--	--
STAGE 2 SUBTOTAL					60	--	--	252	8	78	--	--
STAGE 3												
STH 11	247STHE+76	-	248STHE+11	LT	--	--	--	--	20	--	--	--
	251STHE+31	-	251STHE+66	LT	--	--	--	--	17	--	--	--
	253STHE+98	-	254STHE+33	LT	--	--	--	--	13	--	--	--
TEMPORARY STH 11	250STHE+30	-	255STHE+33	RT/LT	--	--	--	--	--	365	--	--
STAGE 3 SUBTOTAL					--	--	--	--	50	365	--	--
STAGE 4												
CTH H	889HN+60	-	889HN+72	RT	--	--	--	--	9	--	--	--
	893HN+55	-	893HN+98	RT	--	--	--	--	23	--	--	--
STAGE 4 SUBTOTAL					--	--	--	--	32	--	--	--
UNDISTRIBUTED					--	--	--	--	--	--	300	--
PROJECT 1320-23-71 TOTAL					297	651	451	252	129	2,155	300	1,415

3

GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS UNLESS OTHERWISE NOTED.
2) RIM ELEVATIONS ARE GIVEN AT THE CENTER OF STRUCTURE FOR INLET GRATES AND THE CENTER OF THE MANHOLE COVER FOR MANHOLES UNLESS OTHERWISE NOTED.
3) STRUCTURE DEPTH = RIM ELEVATION - INVERT - CASTING - 0.5 FT(RINGS AND MORTER) , EXCEPT MEDIAN INLETS.
4) FLAT TOP SLAB REQUIRED ON ALL MANHOLES WITH INLET COVERS.
5) SEE SPECIAL PROVISIONS FOR ADJUSTMENT RING REQUIREMENTS.
6) UNDERDRAINS TO BE PLACED IN 25 FEET IN EACH DIRECTION OF LOW POINT. PLACE UNDERDRAIN BETWEEN FLANKING INLETS AT LOW POINT.

STORM SEWER PIPE

FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE H.E. CLASS HE-IV 19X30-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE CLASS HE-IV 24X38-INCH LF	633.5200 MARKERS CULVERT END EACH
PROJECT 1320-23-71 STAGE 1																				
912	914	733.26	732.21	0.48%	--	--	--	--	218	--	--	--	--	--	--	--	--	--	--	--
914	915	732.21	731.81	0.47%	--	--	--	--	85	--	--	--	--	--	--	--	--	--	--	--
915	916	731.81	731.47	0.43%	--	--	--	--	79	--	--	--	--	--	--	--	--	--	--	--
916	916A	731.47	731.37	0.56%	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--
916A	916D	731.37	731.27	0.40%	--	--	--	--	25	--	--	--	--	--	--	--	--	--	--	--
910	912C	736.42	735.72	0.49%	--	--	--	144	--	--	--	--	--	--	--	--	--	--	--	--
912C	912B	735.72	735.23	0.78%	--	--	--	63	--	--	--	--	--	--	--	--	--	--	--	--
912B	912A	735.23	735.19	0.40%	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--
912A	912	735.19	735.07	0.44%	--	--	--	27	--	--	--	--	--	--	--	--	--	--	--	--
EW54	914C	734.33	733.50	2.59%	--	--	--	32	--	--	--	--	--	--	--	--	--	--	--	--
914C	914B	733.50	733.37	0.46%	--	--	--	28	--	--	--	--	--	--	--	--	--	--	--	--
914B	914A	733.37	733.33	0.44%	--	--	--	9	--	--	--	--	--	--	--	--	--	--	--	--
914A	914	733.33	733.13	0.45%	--	--	--	44	--	--	--	--	--	--	--	--	--	--	--	--
EW46	916A	732.52	732.21	1.82%	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	--
EW47	916C	732.05	731.95	0.33%	--	--	--	30	--	--	--	--	--	--	--	--	--	--	--	--
916C	916B	731.95	731.89	0.33%	--	--	--	18	--	--	--	--	--	--	--	--	--	--	--	--
916B	916D	731.89	731.77	0.43%	--	--	--	28	--	--	--	--	--	--	--	--	--	--	--	--
917C	917B	730.94	730.82	0.36%	--	--	--	--	--	--	--	--	--	33	--	--	--	--	--	--
917B	917A	730.82	730.72	0.34%	--	--	--	--	--	29	--	--	--	--	--	--	--	--	--	--
917A	917	730.72	730.60	0.38%	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--	--
917	EW41	730.60	730.50	0.37%	--	--	--	--	--	27	--	--	--	--	--	--	--	--	--	--
919A	919	730.58	730.39	0.38%	--	--	--	--	--	--	--	50	--	--	--	--	--	--	--	--
919	EW48	730.39	730.32	0.39%	--	--	--	--	--	--	--	18	--	--	--	--	--	--	--	--
920A	920B	730.11	730.03	0.31%	--	--	--	--	--	--	--	26	--	--	--	--	--	--	--	--
920B	921	730.03	729.87	0.31%	--	--	--	--	--	--	--	51	--	--	--	--	--	--	--	--
921	EW42	729.87	729.82	0.42%	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--
920	921	729.95	729.87	0.31%	--	--	--	--	--	--	--	26	--	--	--	--	--	--	--	--
235A	EXISTING	738.58	738.39	0.33%	1	--	--	--	--	--	--	--	--	58	--	--	--	--	--	--
237A	235A	739.49	738.58	0.43%	--	--	--	--	--	--	--	--	--	214	--	--	--	--	--	--
235	235A	739.51	739.33	0.37%	--	--	--	--	--	--	--	49	--	--	--	--	--	--	--	--
235B	235A	739.43	739.33	0.37%	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--	--
235C	235B	739.59	739.43	0.38%	--	--	--	--	--	--	--	42	--	--	--	--	--	--	--	--
237E	237D	740.60	740.40	0.47%	--	--	--	43	--	--	--	--	--	--	--	--	--	--	--	--
237D	237C	740.40	740.33	0.41%	--	--	--	17	--	--	--	--	--	--	--	--	--	--	--	--
237C	237B	740.33	740.27	0.43%	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	--

STORM SEWER PIPE

FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE H.E. CLASS HE-IV 19X30-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE CLASS HE-IV 24X38-INCH LF	633.5200 MARKERS CULVERT END EACH
237B	237A	740.27	740.24	0.30%	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--
237	237A	740.44	740.24	0.36%	--	--	--	--	--	--	--	55	--	--	--	--	--	--	--	--
238	237	741.37	740.44	0.39%	--	--	--	--	--	--	--	236	--	--	--	--	--	--	--	--
238D	238C	741.77	741.74	0.33%	--	--	--	--	--	--	--	9	--	--	--	--	--	--	--	--
238C	238B	741.74	741.67	0.37%	--	--	--	--	--	--	--	19	--	--	--	--	--	--	--	--
238B	238A	741.67	741.53	0.36%	--	--	--	--	--	--	--	39	--	--	--	--	--	--	--	--
238A	238	741.53	741.37	0.36%	--	--	--	--	--	--	--	44	--	--	--	--	--	--	--	--
920C	920B	730.12	730.03	0.38%	--	--	--	--	--	--	--	24	--	--	--	--	--	--	--	--
EW25	EW26	735.66	735.28	0.95%	--	40	--	--	--	--	--	--	--	--	--	--	--	--	--	2
EW27	EW28	734.43	733.89	1.23%	--	44	--	--	--	--	--	--	--	--	--	--	--	--	--	2
EW75	EX244D	732.42	731.44	2.97%	--	--	--	--	--	--	--	33	--	--	--	--	--	--	--	1
PROJECT 1320-23-71 STAGE 1 TOTALS					1	84	--	534	425	88	--	727	--	305	--	--	--	--	--	5
PROJECT 1320-23-71 STAGE 2																				
896	895	730.05	729.90	0.35%	--	--	--	--	--	--	--	--	--	43	--	--	--	--	--	--
896A	896	730.13	730.05	0.32%	--	--	--	--	--	--	--	--	--	25	--	--	--	--	--	--
869B	896A	730.26	730.13	0.35%	--	--	--	--	--	--	--	--	--	37	--	--	--	--	--	--
897	896B	730.90	730.26	0.48%	--	--	--	--	--	--	--	--	--	133	--	--	--	--	--	--
898	897	731.33	730.90	0.47%	--	--	--	--	--	92	--	--	--	--	--	--	--	--	--	--
900	898	733.08	731.33	0.88%	--	--	--	--	--	200	--	--	--	--	--	--	--	--	--	--
902	900	734.21	733.08	0.61%	--	--	--	--	--	186	--	--	--	--	--	--	--	--	--	--
895A	895	729.37	728.90	1.42%	--	--	--	--	--	--	--	--	--	--	33	--	--	--	--	--
895	EXISTING	728.67	728.61	0.43%	1	--	--	--	--	--	--	--	--	--	--	14	--	--	--	--
902E	902	734.33	734.21	0.43%	--	--	--	--	--	28	--	--	--	--	--	--	--	--	--	--
903	902E	735.47	734.33	0.77%	--	--	--	--	--	149	--	--	--	--	--	--	--	--	--	--
908	906C	737.65	736.82	0.49%	--	--	--	--	--	170	--	--	--	--	--	--	--	--	--	--
906C	904	736.82	735.86	0.49%	--	--	--	--	--	197	--	--	--	--	--	--	--	--	--	--
902D	902C	735.80	735.68	0.43%	--	--	--	28	--	--	--	--	--	--	--	--	--	--	--	--
902C	902B	735.68	735.56	0.44%	--	--	--	27	--	--	--	--	--	--	--	--	--	--	--	--
902B	902A	735.56	735.47	0.45%	--	--	--	20	--	--	--	--	--	--	--	--	--	--	--	--
902A	902	735.47	735.23	0.47%	--	--	--	51	--	--	--	--	--	--	--	--	--	--	--	--
903C	903B	736.60	736.43	0.38%	--	--	--	45	--	--	--	--	--	--	--	--	--	--	--	--
903B	903A	736.43	736.38	0.36%	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	--
903A	903	736.38	736.22	0.33%	--	--	--	49	--	--	--	--	--	--	--	--	--	--	--	--

STORM SEWER PIPE

FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE H.E. CLASS HE-IV 19X30-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE CLASS HE-IV 24X38-INCH LF	633.5200 MARKERS CULVERT END EACH
906	906A	738.20	738.08	0.46%	--	--	--	26	--	--	--	--	--	--	--	--	--	--	--	--
906A	906B	738.08	738.04	0.40%	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--
906B	906C	738.04	737.74	0.48%	--	--	--	63	--	--	--	--	--	--	--	--	--	--	--	--
EW49	904	736.12	733.75	1.56%	--	--	--	--	--	152	--	--	--	--	--	--	--	--	--	--
904	EW40	733.75	733.65	0.48%	--	--	--	--	--	21	--	--	--	--	--	--	--	--	--	--
EW19	EW20	732.31	732.17	0.45%	--	31	--	--	--	--	--	--	--	--	--	--	--	--	--	2
EW21	EW22	732.84	732.67	0.57%	--	30	--	--	--	--	--	--	--	--	--	--	--	--	--	2
EW23	EW24	736.22	736.00	0.92%	--	24	--	--	--	--	--	--	--	--	--	--	--	--	--	2
PROJECT 1320-23-71 STAGE 2 TOTALS					1	85	--	333	--	1195	--	--	--	238	33	14	--	--	--	6
PROJECT 1320-23-71 STAGE 3																				
240	242B	737.09	735.05	1.74%	--	--	--	117	--	--	--	--	--	--	--	--	--	--	--	--
EW76	EX278A	724.78	724.52	2.17%	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	1
242	242A	735.26	735.08	0.47%	--	--	--	38	--	--	--	--	--	--	--	--	--	--	--	--
242A	242B	735.08	735.05	0.30%	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--
242B	244B	735.05	733.84	0.97%	--	--	--	125	--	--	--	--	--	--	--	--	--	--	--	--
244	244A	731.66	731.48	0.47%	--	--	--	38	--	--	--	--	--	--	--	--	--	--	--	--
244A	244B	731.48	731.43	0.50%	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	--
244B	243	731.44	731.13	0.50%	--	--	--	62	--	--	--	--	--	--	--	--	--	--	--	--
243	270	730.38	730.30	0.38%	--	--	--	--	21	--	--	--	--	--	--	--	--	--	--	--
246	246A	728.22	727.75	0.94%	--	--	--	50	--	--	--	--	--	--	--	--	--	--	--	--
246A	246B	727.75	727.65	0.83%	--	--	--	12	--	--	--	--	--	--	--	--	--	--	--	--
246B	246C	727.65	727.32	0.92%	--	--	--	36	--	--	--	--	--	--	--	--	--	--	--	--
246C	246D	727.32	727.10	0.40%	--	--	--	55	--	--	--	--	--	--	--	--	--	--	--	--
248	248C	727.83	727.59	0.48%	--	--	--	50	--	--	--	--	--	--	--	--	--	--	--	--
248C	248D	727.59	727.49	0.45%	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--	--
248D	248E	727.49	727.37	0.44%	--	--	--	27	--	--	--	--	--	--	--	--	--	--	--	--
248E	246D	727.37	727.10	0.47%	--	--	--	58	--	--	--	--	--	--	--	--	--	--	--	--
246D	272	726.67	726.55	0.41%	--	--	--	--	29	--	--	--	--	--	--	--	--	--	--	--
251C	252	725.88	725.23	0.35%	--	--	--	--	--	--	--	188	--	--	--	--	--	--	--	--
252	254A	724.98	724.33	0.44%	--	--	--	--	--	--	--	--	147	--	--	--	--	--	--	--
254A	278	724.33	723.71	0.51%	--	--	--	--	--	--	--	--	122	--	--	--	--	--	--	--
278	277	723.71	723.66	0.31%	--	--	--	--	--	--	--	--	16	--	--	--	--	--	--	--
251	251A	726.31	726.14	0.47%	--	--	--	36	--	--	--	--	--	--	--	--	--	--	--	--
251A	251B	726.14	726.01	0.46%	--	--	--	28	--	--	--	--	--	--	--	--	--	--	--	--
251B	251C	726.01	725.88	0.46%	--	--	--	28	--	--	--	--	--	--	--	--	--	--	--	--

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STORM SEWER PIPE

FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE H.E. CLASS HE-IV 19X30-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE CLASS HE-IV 24X38-INCH LF	633.5200 MARKERS CULVERT END EACH
252A	252C	725.54	725.41	0.43%	--	--	--	--	--	--	--	30	--	--	--	--	--	--	--
252C	252B	725.41	725.38	0.43%	--	--	--	--	--	--	--	7	--	--	--	--	--	--	--
252B	252	725.38	725.27	0.41%	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--
254	254A	724.83	724.58	0.48%	--	--	--	--	--	--	--	52	--	--	--	--	--	--	--
248F	248G	727.86	727.59	0.37%	--	--	--	--	--	--	--	72	--	--	--	--	--	--	1
248G	248D	727.59	727.48	0.35%	--	--	--	31	--	--	--	--	--	--	--	--	--	--	2
PROJECT 1320-23-71 STAGE 3 TOTALS					--	--	--	833	50	--	--	388	285	--	--	--	--	--	4
PROJECT 1320-23-71 STAGE 4																			
891	888	731.16	730.31	0.31%	--	--	--	--	278	--	--	--	--	--	--	--	--	--	--
892	891	731.55	731.16	0.32%	--	--	--	--	123	--	--	--	--	--	--	--	--	--	--
894	892	732.15	731.55	0.30%	--	--	--	--	--	--	--	--	200	--	--	--	--	--	--
EW39	888A	730.97	730.86	0.48%	--	--	--	23	--	--	--	--	--	--	--	--	--	--	--
888A	888	730.86	730.56	0.47%	--	--	--	64	--	--	--	--	--	--	--	--	--	--	--
890	890A	732.85	732.71	0.42%	--	--	--	33	--	--	--	--	--	--	--	--	--	--	--
890A	891	732.71	732.53	0.45%	--	--	--	40	--	--	--	--	--	--	--	--	--	--	--
892A	892	732.52	732.21	0.48%	--	--	--	65	--	--	--	--	--	--	--	--	--	--	--
EW13	EW14	731.63	731.28	0.73%	--	48	--	--	--	--	--	--	--	--	--	--	--	--	2
EW15	EW16	732.56	732.31	0.89%	--	28	--	--	--	--	--	--	--	--	--	--	--	--	2
EW17	EW18	733.78	732.78	1.82%	--	55	--	--	--	--	--	--	--	--	--	--	--	--	2
PROJECT 1320-23-71 STAGE 4 TOTALS					--	131	--	225	401	--	--	--	200	--	--	--	--	--	6
PROJECT 1320-23-71 TOTALS					2	300	--	1925	876	1283	--	1115	485	543	33	14	--	--	21

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STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	520.1015 APRON ENDWALLS FOR CULVERT PIPE RCCP 15" EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE RCCP 24" EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE RCCP 36" EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE RCCP 24X38-INCH EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
PROJECT 1320-23-71 STAGE 1															
910	910HN+25.13	63.3' LT	742.66	736.42	4.9	--	--	--	--	--	--	--	--	1	--
912C	911HN+69.06	73.5' LT	740.15	735.72	3.1	--	--	--	--	1	--	--	--	--	--
912B	911HN+68.61	11.0' LT	740.42	735.23	3.9	--	--	--	--	--	--	--	--	--	1
912A	911HN+68.54	1.0' LT	740.53	735.19	4.0	--	--	--	--	--	--	--	--	--	1
912	911HN+68.35	25.5' RT	740.03	733.26	5.4	--	--	--	--	--	--	--	--	1	--
EW54	913HN+71.17	87.9' LT	734.47	--	--	1	--	--	--	--	--	--	--	--	--
914C	913HN+69.02	50.1' LT	737.82	733.50	3.0	--	--	--	--	--	--	--	--	--	1
914B	913HN+65.49	22.6' LT	738.28	733.37	3.6	--	--	--	--	--	--	--	--	1	--
914A	913HN+64.22	13.9' LT	738.55	733.33	3.9	--	--	--	--	--	--	--	--	1	--
914	913HN+83.31	25.5' RT	737.68	732.21	4.1	--	--	--	--	--	1	--	--	--	--
915	914HN+70.04	25.5' RT	736.95	731.81	3.8	--	--	--	--	1	--	--	--	--	--
EW47	915HN+50.00	64.3' LT	732.06	--	--	1	--	--	--	--	--	--	--	--	--
916C	915HN+50.04	28.5' LT	736.53	731.95	3.2	--	--	--	--	--	--	--	--	1	--
916B	915HN+68.45	27.2' LT	736.74	731.89	3.5	--	--	--	--	--	--	--	--	1	--
916D	915HN+67.84	.6' RT	737.06	731.27	4.5	--	--	--	--	1	--	--	--	--	--
916A	915HN+68.42	25.5' RT	736.68	731.37	4.0	--	--	--	--	1	--	--	--	--	--
916	915HN+50.00	25.5' RT	736.54	731.47	3.7	--	--	--	--	1	--	--	--	--	--
EW46	915HN+70.00	48.2' RT	732.59	--	--	1	--	--	--	--	--	--	--	--	--
917C	916HN+60.39	53.6' LT	735.16	730.94	2.9	--	--	--	--	--	--	--	--	--	--
917B	916HN+78.48	25.5' LT	736.82	730.82	4.7	--	--	--	--	1	--	--	--	--	--
917A	916HN+93.79	1.0' LT	737.06	730.72	5.0	--	--	--	--	--	--	1	--	--	--
917	917HN+10.99	25.5' RT	736.47	730.60	4.5	--	--	--	--	1	--	--	--	--	--
EW41	917HN+25.00	55.6' RT	730.48	--	--	--	1	--	--	--	--	--	--	--	--
919A	918HN+99.57	25.0' LT	734.30	730.58	2.4	--	--	--	--	--	--	--	--	--	1
919	918HN+99.21	25.0' RT	734.30	730.39	2.6	--	--	--	--	--	--	--	--	--	1
EW48	918HN+98.83	49.0' RT	730.30	--	--	1	--	--	--	--	--	--	--	--	--
920A	920HN+74.37	25.5' LT	732.85	730.11	1.4	--	--	--	--	--	--	--	--	1	--
920	920HN+74.00	25.5' RT	732.85	729.95	1.6	--	--	--	--	--	--	--	--	1	--
920B	921HN+00.00	25.5' LT	732.83	730.03	1.5	--	--	--	--	--	--	--	--	1	--
920C	921HN+00.00	49.0' LT	733.91	730.12	3.8	--	--	--	--	--	--	--	--	--	--
921	921HN+00.00	25.5' RT	732.83	729.87	1.6	--	--	--	--	--	--	--	--	1	--
EW42	920HN+94.90	43.2' RT	729.80	--	--	1	--	--	--	--	--	--	--	--	--
235C	234STHE+69.86	77.0' LT	742.88	739.59	2.0	--	--	--	--	--	--	--	--	--	1
235B	234STHE+70.49	35.0' LT	743.21	739.43	2.4	--	--	--	--	--	--	--	--	--	1
235A	234STHE+70.90	8.3' LT	743.06	738.58	3.1	--	--	--	--	1	--	--	--	--	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	COMMENTS
PROJECT 1320-23-71 STAGE 1													
910	910HN+25.13	63.3' LT	742.66	736.42	4.9	--	--	1	--	--	--	--	--
912C	911HN+69.06	73.5' LT	740.15	735.72	3.1	--	--	1	--	--	--	--	--
912B	911HN+68.61	11.0' LT	740.42	735.23	3.9	--	--	1	--	--	--	--	--
912A	911HN+68.54	1.0' LT	740.53	735.19	4.0	--	--	1	--	--	--	--	--
912	911HN+68.35	25.5' RT	740.03	733.26	5.4	--	--	1	--	--	--	--	--
EW54	913HN+71.17	87.9' LT	734.47	--	--	--	--	--	--	--	--	--	--
914C	913HN+69.02	50.1' LT	737.82	733.50	3.0	--	--	1	--	--	--	--	--
914B	913HN+65.49	22.6' LT	738.28	733.37	3.6	--	--	1	--	--	--	--	--
914A	913HN+64.22	13.9' LT	738.55	733.33	3.9	--	--	1	--	--	--	--	--
914	913HN+83.31	25.5' RT	737.68	732.21	4.1	--	--	1	--	--	--	--	--
915	914HN+70.04	25.5' RT	736.95	731.81	3.8	--	--	1	--	--	--	--	--
EW47	915HN+50.00	64.3' LT	732.06	--	--	--	--	--	--	--	--	--	--
916C	915HN+50.04	28.5' LT	736.53	731.95	3.2	--	--	1	--	--	--	--	--
916B	915HN+68.45	27.2' LT	736.74	731.89	3.5	--	--	1	--	--	--	--	--
916D	915HN+67.84	.6' RT	737.06	731.27	4.5	--	1	--	--	--	--	--	--
916A	915HN+68.42	25.5' RT	736.68	731.37	4.0	--	--	1	--	--	--	--	--
916	915HN+50.00	25.5' RT	736.54	731.47	3.7	--	--	1	--	--	--	--	--
EW46	915HN+70.00	48.2' RT	732.59	--	--	--	--	--	--	--	--	--	--
917C	916HN+60.39	53.6' LT	735.16	730.94	2.9	1	--	--	--	--	2	--	--
917B	916HN+78.48	25.5' LT	736.82	730.82	4.7	--	--	1	--	--	--	--	--
917A	916HN+93.79	1.0' LT	737.06	730.72	5.0	--	1	--	--	--	--	--	--
917	917HN+10.99	25.5' RT	736.47	730.60	4.5	--	--	1	--	--	--	--	--
EW41	917HN+25.00	55.6' RT	730.48	--	--	--	--	--	--	--	--	--	--
919A	918HN+99.57	25.0' LT	734.30	730.58	2.4	--	--	1	--	--	--	--	--
919	918HN+99.21	25.0' RT	734.30	730.39	2.6	--	--	1	--	--	--	--	--
EW48	918HN+98.83	49.0' RT	730.30	--	--	--	--	--	--	--	--	--	--
920A	920HN+74.37	25.5' LT	732.85	730.11	1.4	--	--	1	--	--	--	--	--
920	920HN+74.00	25.5' RT	732.85	729.95	1.6	--	--	1	--	--	--	--	--
920B	921HN+00.00	25.5' LT	732.83	730.03	1.5	--	--	--	--	1	--	--	--
920C	921HN+00.00	49.0' LT	733.91	730.12	3.8	1	--	--	--	--	2		--
921	921HN+00.00	25.5' RT	732.83	729.87	1.6	--	--	--	--	1	--	--	--
EW42	920HN+94.90	43.2' RT	729.80	--	--	--	--	--	--	--	--	--	--
235C	234STHE+69.86	77.0' LT	742.88	739.59	2.0	--	--	--	1	--	--	--	--
235B	234STHE+70.49	35.0' LT	743.21	739.43	2.4	--	--	--	1	--	--	--	--
235A	234STHE+70.90	8.3' LT	743.06	738.58	3.1	--	--	--	1	--	--	--	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	520.1015 APRON ENDWALLS FOR CULVERT PIPE RCCP 15" EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE RCCP 24" EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE RCCP 36" EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE RCCP 24X38-INCH EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
235	234STHE+71.63	41.0' RT	742.90	739.51	2.1	--	--	--	--	--	--	--	--	--	1
237E	236STHE+97.56	77.0' LT	744.93	740.60	3.0	--	--	--	--	--	--	--	--	--	1
237D	236STHE+98.20	34.5' LT	745.24	740.40	3.5	--	--	--	--	--	--	--	--	1	--
237C	236STHE+84.29	25.5' LT	744.72	740.33	3.1	--	--	--	--	--	--	--	--	1	--
237B	236STHE+84.50	11.0' LT	744.98	740.27	3.4	--	--	--	--	--	--	--	--	--	1
237A	236STHE+84.64	1.5' RT	745.20	739.49	4.4	--	--	--	--	1	--	--	--	--	--
237	236STHE+85.46	53.5' RT	744.65	740.44	2.9	--	--	--	--	1	--	--	--	--	--
238	239STHE+21.21	42.2' RT	744.71	741.37	2.0	--	--	--	--	--	--	--	--	1	--
238D	238STHE+71.72	34.5' LT	745.42	741.77	2.3	--	--	--	--	--	--	--	--	1	--
238C	238STHE+71.86	25.5' LT	745.11	741.74	2.0	--	--	--	--	--	--	--	--	1	--
238B	238STHE+82.90	10.5' LT	745.23	741.67	2.2	--	--	--	--	--	--	--	--	1	--
238A	239STHE+20.40	1.5' LT	745.20	741.53	2.3	--	--	--	--	--	--	--	--	1	--
EW25	912HN+62.76	45.6' RT	735.71	--	--	1	--	--	--	--	--	--	--	--	--
EW26	913HN+12.31	45.6' RT	735.22	--	--	1	--	--	--	--	--	--	--	--	--
EW27	913HN+90.49	46.0' RT	734.51	--	--	1	--	--	--	--	--	--	--	--	--
EW28	914HN+48.50	46.5' RT	734.43	--	--	1	--	--	--	--	--	--	--	--	--
EX244C	243STHE+22.00	12.8' RT	--	--	--	--	--	--	--	--	--	--	--	--	--
EX244D	243STHE+41.00	12.5' RT	--	--	--	--	--	--	--	--	--	--	--	--	--
EX248J	248STHE+34.00	2.3' LT	--	--	--	--	--	--	--	--	--	--	--	--	--
EX248K	248STHE+53.00	3.3' LT	--	--	--	--	--	--	--	--	--	--	--	--	--
EX251D	249STHE+71.00	5.3' LT	--	--	--	--	--	--	--	--	--	--	--	--	--
EW75	243STHE+41.00	54.0' RT	732.57	--	--	1	--	--	--	--	--	--	--	--	--
PROJECT 1320-23-71 STAGE 1 TOTALS						10	1	--	--	10	1	1	--	17	10
PROJECT 1320-23-71 STAGE 2															
894	894HN+00.48	39.5' LT	735.90	732.15	2.4	--	--	--	--	1	--	--	--	--	--
895	894HN+70.76	39.5' LT	735.55	728.67	5.5	--	--	--	--	--	--	--	1	--	--
895A	894HN+70.51	72.0' RT	733.50	729.37	2.8	--	--	--	--	--	--	--	--	--	--
896	895NH+13.71	42.3' LT	735.29	730.05	3.9	--	--	--	--	1	--	--	--	--	--
896A	895HN+38.44	45.4' LT	735.17	730.13	3.7	--	--	--	--	1	--	--	--	--	--
896B	895HN+75.07	50.2' LT	735.12	730.26	3.5	--	--	--	--	1	--	--	--	--	--
897	897HN+06.12	54.9' LT	736.15	730.90	3.9	--	--	--	--	1	--	--	--	--	--
898	897HN+97.66	58.1' LT	737.00	731.33	4.3	--	--	--	--	1	--	--	--	--	--
900	899HN+97.58	65.2' LT	738.85	733.08	4.4	--	--	--	--	1	--	--	--	--	--
902	901HN+84.55	71.3' LT	740.09	734.21	4.5	--	--	--	--	1	--	--	--	--	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	COMMENTS
235	234STHE+71.63	41.0' RT	742.90	739.51	2.1	--	--	--	1	--	--	--	--
237E	236STHE+97.56	77.0' LT	744.93	740.60	3.0	--	--	--	1	--	--	--	--
237D	236STHE+98.20	34.5' LT	745.24	740.40	3.5	--	--	--	1	--	--	--	
237C	236STHE+84.29	25.5' LT	744.72	740.33	3.1	--	--	--	1	--	--	--	COVER PLATE STAGE 1, INLET COVER STAGE 3
237B	236STHE+84.50	11.0' LT	744.98	740.27	3.4	--	--	--	1	--	--	--	
237A	236STHE+84.64	1.5' RT	745.20	739.49	4.4	--	--	--	1	--	--	--	
237	236STHE+85.46	53.5' RT	744.65	740.44	2.9	--	--	--	1	--	--	--	--
238	239STHE+21.21	42.2' RT	744.71	741.37	2.0	--	--	--	1	--	--	--	--
238D	238STHE+71.72	34.5' LT	745.42	741.77	2.3	--	--	--	1	--	--	--	
238C	238STHE+71.86	25.5' LT	745.11	741.74	2.0	--	--	--	1	--	--	--	COVER PLATE STAGE 1, INLET COVER STAGE 3
238B	238STHE+82.90	10.5' LT	745.23	741.67	2.2	--	--	--	1	--	--	--	
238A	239STHE+20.40	1.5' LT	745.20	741.53	2.3	--	--	--	1	--	--	--	
EW25	912HN+62.76	45.6' RT	735.71	--	--	--	--	--	--	--	--	--	--
EW26	913HN+12.31	45.6' RT	735.22	--	--	--	--	--	--	--	--	--	--
EW27	913HN+90.49	46.0' RT	734.51	--	--	--	--	--	--	--	--	--	--
EW28	914HN+48.50	46.5' RT	734.43	--	--	--	--	--	--	--	--	--	--
EX244C	243STHE+22.00	12.8' RT	--	--	--	--	--	--	--	--	--	--	COVER PLATE, STAGE 1
EX244D	243STHE+41.00	12.5' RT	--	--	--	--	--	--	--	--	--	--	COVER PLATE, STAGE 1
EX248J	248STHE+34.00	2.3' LT	--	--	--	--	--	--	--	--	--	--	COVER PLATE, STAGE 1
EX248K	248STHE+53.00	3.3' LT	--	--	--	--	--	--	--	--	--	--	COVER PLATE, STAGE 1
EX251D	249STHE+71.00	5.3' LT	--	--	--	--	--	--	--	--	--	--	COVER PLATE, STAGE 1
EW75	243STHE+41.00	54.0' RT	732.57	--	--	--	--	--	--	--	--	--	--
PROJECT 1320-23-71 STAGE 1 TOTALS						2	2	20	15	2	4	--	
PROJECT 1320-23-71 STAGE 2													
894	894HN+00.48	39.5' LT	735.90	732.15	2.4	--	--	1	--	--	--	--	--
895	894HN+70.76	39.5' LT	735.55	728.67	5.5	--	--	--	--	--	2	--	--
895A	894HN+70.51	72.0' RT	733.50	729.37	2.8	1	--	--	--	--	2	--	--
896	895NH+13.71	42.3' LT	735.29	730.05	3.9	--	--	1	--	--	--	--	--
896A	895HN+38.44	45.4' LT	735.17	730.13	3.7	--	--	1	--	--	--	--	--
896B	895HN+75.07	50.2' LT	735.12	730.26	3.5	--	--	--	--	1	--	--	--
897	897HN+06.12	54.9' LT	736.15	730.90	3.9	--	--	1	--	--	--	--	--
898	897HN+97.66	58.1' LT	737.00	731.33	4.3	--	--	1	--	--	--	--	--
900	899HN+97.58	65.2' LT	738.85	733.08	4.4	--	--	1	--	--	--	--	--
902	901HN+84.55	71.3' LT	740.09	734.21	4.5	--	--	1	--	--	--	--	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	520.1015 APRON ENDWALLS FOR CULVERT PIPE RCCP 15" EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE RCCP 24" EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE RCCP 36" EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE RCCP 24X38-INCH EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
902A	901HN+85.64	20.8' LT	740.92	735.47	4.1	--	--	--	--	--	--	--	--	--	1
902B	901HN+88.44	2.9' LT	740.67	735.56	3.8	--	--	--	--	--	--	--	--	--	1
902C	901HN+86.62	25.5' RT	740.18	735.68	3.2	--	--	--	--	--	--	--	--	1	--
902D	902HN+14.87	25.5' RT	740.31	735.80	3.2	--	--	--	--	--	--	--	--	1	--
902E	902HN+13.37	72.1' LT	740.24	734.33	4.6	--	--	--	--	1	--	--	--	--	--
903	903HN+64.16	72.2' LT	741.05	735.47	4.2	--	--	--	--	1	--	--	--	--	--
903A	903HN+63.70	23.0' LT	741.51	736.38	3.8	--	--	--	--	--	--	--	--	1	--
903B	903HN+63.58	8.9' LT	741.38	736.43	3.6	--	--	--	--	--	--	--	--	1	--
903C	903HN+63.16	36.0' RT	740.85	736.60	2.9	--	--	--	--	--	--	--	--	--	1
904	904HN+02.14	37.5' RT	741.01	733.75	5.9	--	--	--	--	1	--	--	--	--	--
EW40	904HN+02.57	66.7' RT	733.60	--	--	--	1	--	--	--	--	--	--	--	--
EW49	904HN+74.26	102.7' LT	736.15	--	--	--	1	--	--	--	--	--	--	--	--
906	906HN+00.37	61.0' LT	742.54	738.20	3.0	--	--	--	--	--	--	--	--	--	1
906A	906HN+00.13	35.0' LT	743.02	738.08	3.6	--	--	--	--	--	--	--	--	--	1
906B	906HN+00.03	25.0' LT	742.26	738.04	2.9	--	--	--	--	--	--	--	--	--	1
906C	905HN+99.46	37.5' RT	741.99	736.82	3.8	--	--	--	--	1	--	--	--	--	--
908	907HN+68.68	27.2' RT	743.01	737.65	4.0	--	--	--	--	--	--	--	--	1	--
EW19	895HN+46.60	42.5' RT	732.34	--	--	1	--	--	--	--	--	--	--	--	--
EW20	895HN+03.51	40.5' RT	732.14	--	--	1	--	--	--	--	--	--	--	--	--
EW21	896HN+45.16	44.8' RT	732.88	--	--	1	--	--	--	--	--	--	--	--	--
EW22	896HN+02.17	44.5' RT	732.63	--	--	1	--	--	--	--	--	--	--	--	--
EW23	899HN+73.39	54.5' RT	736.28	--	--	1	--	--	--	--	--	--	--	--	--
EW24	899HN+37.09	54.5' RT	735.94	--	--	1	--	--	--	--	--	--	--	--	--
PROJECT 1320-23-71 STAGE 2 TOTALS						6	2	--	--	12	--	--	1	5	6
PROJECT 1320-23-71 STAGE 3															
240	241STHE+11.11	63.2' LT	742.82	737.09	4.4	--	--	--	--	--	--	--	--	1	--
242B	242STHE+16.05	10.5' LT	741.33	735.05	4.9	--	--	--	--	--	--	--	--	1	--
242A	242STHE+16.19	1.0' LT	741.90	735.08	5.5	--	--	--	--	--	--	--	--	--	1
242	242STHE+16.76	37.0' RT	741.66	735.26	5.1	--	--	--	--	--	--	--	--	--	1
270	243STHE+42.78	94.4' LT	735.30	728.10	5.9	--	--	--	--	--	--	--	--	--	--
243	243STHE+43.09	73.5' LT	738.69	730.38	7.0	--	--	--	--	--	--	--	--	1	--
244B	243STHE+40.92	10.5' LT	738.98	731.44	6.2	--	--	--	--	--	--	--	--	1	--
244A	243STHE+40.92	1.0' LT	739.42	732.80	5.3	--	--	--	--	--	--	--	--	--	1
244	243STHE+40.95	37.0' RT	739.18	732.98	4.9	--	--	--	--	--	--	--	--	--	1
246C	246STHE+10.45	61.5' LT	733.53	728.83	3.4	--	--	--	--	--	--	--	--	1	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	COMMENTS
902A	901HN+85.64	20.8' LT	740.92	735.47	4.1	--	--	1	--	--	--	--	--
902B	901HN+88.44	2.9' LT	740.67	735.56	3.8	--	--	1	--	--	--	--	--
902C	901HN+86.62	25.5' RT	740.18	735.68	3.2	--	--	1	--	--	--	--	--
902D	902HN+14.87	25.5' RT	740.31	735.80	3.2	--	--	1	--	--	--	--	--
902E	902HN+13.37	72.1' LT	740.24	734.33	4.6	--	--	1	--	--	--	--	--
903	903HN+64.16	72.2' LT	741.05	735.47	4.2	--	--	1	--	--	--	--	--
903A	903HN+63.70	23.0' LT	741.51	736.38	3.8	--	--	1	--	--	--	--	--
903B	903HN+63.58	8.9' LT	741.38	736.43	3.6	--	--	1	--	--	--	--	--
903C	903HN+63.16	36.0' RT	740.85	736.60	2.9	--	--	1	--	--	--	--	--
904	904HN+02.14	37.5' RT	741.01	733.75	5.9	--	--	1	--	--	--	--	--
EW40	904HN+02.57	66.7' RT	733.60	--	--	--	--	--	--	--	--	--	--
EW49	904HN+74.26	102.7' LT	736.15	--	--	--	--	--	--	--	--	--	--
906	906HN+00.37	61.0' LT	742.54	738.20	3.0	--	--	1	--	--	--	--	--
906A	906HN+00.13	35.0' LT	743.02	738.08	3.6	--	--	1	--	--	--	--	--
906B	906HN+00.03	25.0' LT	742.26	738.04	2.9	--	--	1	--	--	--	--	--
906C	905HN+99.46	37.5' RT	741.99	736.82	3.8	--	--	1	--	--	--	--	--
908	907HN+68.68	27.2' RT	743.01	737.65	4.0	--	--	1	--	--	--	--	--
EW19	895HN+46.60	42.5' RT	732.34	--	--	--	--	--	--	--	--	--	--
EW20	895HN+03.51	40.5' RT	732.14	--	--	--	--	--	--	--	--	--	--
EW21	896HN+45.16	44.8' RT	732.88	--	--	--	--	--	--	--	--	--	--
EW22	896HN+02.17	44.5' RT	732.63	--	--	--	--	--	--	--	--	--	--
EW23	899HN+73.39	54.5' RT	736.28	--	--	--	--	--	--	--	--	--	--
EW24	899HN+37.09	54.5' RT	735.94	--	--	--	--	--	--	--	--	--	--
PROJECT 1320-23-71 STAGE 2 TOTALS						1	--	22	--	1	4	--	
PROJECT 1320-23-71 STAGE 3													
240	241STHE+11.11	63.2' LT	742.82	737.09	4.4	--	--	1	--	--	--	--	--
242B	242STHE+16.05	10.5' LT	741.33	735.05	4.9	--	--	1	--	--	--	--	--
242A	242STHE+16.19	1.0' LT	741.90	735.08	5.5	--	--	1	--	--	--	--	--
242	242STHE+16.76	37.0' RT	741.66	735.26	5.1	--	--	1	--	--	--	--	--
270	243STHE+42.78	94.4' LT	735.30	728.10	5.9	--	--	--	--	--	--	--	--
243	243STHE+43.09	73.5' LT	738.69	730.38	7.0	--	--	1	--	--	--	--	--
244B	243STHE+40.92	10.5' LT	738.98	731.44	6.2	--	--	1	--	--	--	--	--
244A	243STHE+40.92	1.0' LT	739.42	732.80	5.3	--	--	1	--	--	--	--	--
244	243STHE+40.95	37.0' RT	739.18	732.98	4.9	--	--	1	--	--	--	--	--
246C	246STHE+10.45	61.5' LT	733.53	728.83	3.4	--	--	1	--	--	--	--	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	520.1015 APRON ENDWALLS FOR CULVERT PIPE RCCP 15" EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE RCCP 24" EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE RCCP 36" EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE RCCP 24X38-INCH EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
246B	246STHE+11.00	25.3' LT	733.82	729.04	3.4	--	--	--	--	--	--	--	--	--	1
246A	246STHE+11.18	13.0' LT	733.49	729.08	3.1	--	--	--	--	--	--	--	--	--	1
246	246STHE+11.93	37.0' RT	733.48	729.29	2.9	--	--	--	--	--	--	--	--	--	1
272	246STHE+65.06	91.0' LT	731.05	725.46	4.3	--	--	--	--	--	--	--	--	--	--
246D	246STHE+65.50	61.5' LT	732.85	726.67	4.8	--	--	--	--	1	--	--	--	--	--
248E	247STHE+23.46	61.5' LT	732.40	727.37	3.7	--	--	--	--	--	--	--	--	1	--
248D	247STHE+23.86	34.5' LT	732.88	727.48	4.1	--	--	--	--	1	--	--	--	--	--
248C	247STHE+24.19	13.0' LT	732.46	727.59	3.5	--	--	--	--	--	--	--	--	--	1
248	247STHE+24.94	37.0' RT	732.46	727.83	3.3	--	--	--	--	--	--	--	--	--	1
273	248STHE+54.50	90.0' LT	730.17	724.83	4.0	--	--	--	--	--	--	--	--	--	--
275	249STHE+62.43	86.6' LT	729.87	724.53	4.0	--	--	--	--	--	--	--	--	--	--
251C	250STHE+45.91	55.0' LT	730.79	725.88	3.6	--	--	--	--	--	--	--	--	1	--
251B	250STHE+36.05	29.2' LT	731.35	726.01	4.0	--	--	--	--	--	--	--	--	--	1
251A	250STHE+33.79	1.0' LT	731.17	726.14	3.7	--	--	--	--	--	--	--	--	--	1
251	250STHE+31.02	34.6' RT	730.58	726.31	2.9	--	--	--	--	--	--	--	--	--	1
252	252STHE+33.89	34.2' LT	729.51	724.98	3.2	--	--	--	--	1	--	--	--	--	--
252B	252STHE+31.42	7.8' LT	730.07	725.38	3.4	--	--	--	--	--	--	--	--	--	1
252C	252STHE+30.77	1.0' LT	730.03	725.41	3.3	--	--	--	--	--	--	--	--	--	1
252A	252STHE+27.91	28.5' RT	729.45	725.54	2.6	--	--	--	--	--	--	--	--	--	1
276	252STHE+83.47	50.0' LT	727.98	723.39	3.3	--	--	--	--	--	--	--	--	--	--
254A	253STHE+78.42	25.9' LT	728.54	724.33	2.9	--	--	--	--	--	--	--	--	1	--
254	253STHE+77.26	25.7' RT	728.52	724.83	3.7	--	--	--	--	--	--	--	--	--	1
278	254STHE+99.53	25.5' LT	727.94	723.71	4.2	--	--	--	--	1	--	--	--	--	--
248F	248STHE+23.58	9.5' LT	732.01	727.86	4.1	--	--	--	--	--	--	--	--	1	--
248G	247STHE+53.40	25.7' LT	732.60	727.59	5.0	--	--	--	--	--	--	--	--	1	--
EX252D	252STHE+57.00	16.7' RT	--	--	--	--	--	--	--	--	--	--	--	--	--
EX252E	252STHE+76.00	18.0' RT	--	--	--	--	--	--	--	--	--	--	--	--	--
EX278A	255STHE+70.91	23.0' RT	--	--	--	--	--	--	--	--	--	--	--	--	--
EW76	255STHE+67.29	44.1' RT	724.88	--	--	1	--	--	--	--	--	--	--	--	--
PROJECT 1320-23-71 STAGE 3 TOTALS						1	0	0	0	4	0	0	0	10	16
PROJECT 1320-23-71 STAGE 4															
888	888HN+00.08	39.5' LT	736.30	729.81	5.2	--	--	--	--	1	--	--	--	--	--
888A	887HN+99.49	25.0' RT	736.32	730.86	4.1	--	--	--	--	--	--	--	--	--	1
EW39	888HN+00.00	54.2' RT	731.00	--	--	1	--	--	--	--	--	--	--	--	--
890	890HN+10.46	60.6' LT	737.25	732.85	3.1	--	--	--	--	--	--	--	--	1	--
890A	890HN+43.07	60.3' LT	737.33	732.71	3.3	--	--	--	--	--	--	--	--	1	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	COMMENTS
246B	246STHE+11.00	25.3' LT	733.82	729.04	3.4	--	--	1	--	--	--	--	--
246A	246STHE+11.18	13.0' LT	733.49	729.08	3.1	--	--	1	--	--	--	--	--
246	246STHE+11.93	37.0' RT	733.48	729.29	2.9	--	--	1	--	--	--	--	--
272	246STHE+65.06	91.0' LT	731.05	725.46	4.3	1	--	--	--	--	2	--	--
246D	246STHE+65.50	61.5' LT	732.85	726.67	4.8	--	--	1	--	--	--	--	--
248E	247STHE+23.46	61.5' LT	732.40	727.37	3.7	--	--	1	--	--	--	--	--
248D	247STHE+23.86	34.5' LT	732.88	727.48	4.1	--	--	1	--	--	--	--	--
248C	247STHE+24.19	13.0' LT	732.46	727.59	3.5	--	--	1	--	--	--	--	--
248	247STHE+24.94	37.0' RT	732.46	727.83	3.3	--	--	1	--	--	--	--	--
273	248STHE+54.50	90.0' LT	730.17	724.83	4.0	1	--	--	--	--	2	--	--
275	249STHE+62.43	86.6' LT	729.87	724.53	4.0	--	--	--	--	--	--	--	--
251C	250STHE+45.91	55.0' LT	730.79	725.88	3.6	--	--	1	--	--	--	--	--
251B	250STHE+36.05	29.2' LT	731.35	726.01	4.0	--	--	1	--	--	--	--	--
251A	250STHE+33.79	1.0' LT	731.17	726.14	3.7	--	--	1	--	--	--	--	--
251	250STHE+31.02	34.6' RT	730.58	726.31	2.9	--	--	1	--	--	--	--	--
252	252STHE+33.89	34.2' LT	729.51	724.98	3.2	--	--	1	--	--	--	--	--
252B	252STHE+31.42	7.8' LT	730.07	725.38	3.4	--	--	1	--	--	--	--	--
252C	252STHE+30.77	1.0' LT	730.03	725.41	3.3	--	--	1	--	--	--	--	--
252A	252STHE+27.91	28.5' RT	729.45	725.54	2.6	--	--	1	--	--	--	--	--
276	252STHE+83.47	50.0' LT	727.98	723.39	3.3	1	--	--	--	--	2	--	--
254A	253STHE+78.42	25.9' LT	728.54	724.33	2.9	--	--	1	--	--	--	--	--
254	253STHE+77.26	25.7' RT	728.52	724.83	3.7	--	--	1	--	--	--	--	--
278	254STHE+99.53	25.5' LT	727.94	723.71	4.2	--	1	--	--	--	--	--	--
248F	248STHE+23.58	9.5' LT	732.01	727.86	4.1	--	--	--	--	--	--	1	--
248G	247STHE+53.40	25.7' LT	732.60	727.59	5.0	--	--	--	--	--	--	1	--
EX252D	252STHE+57.00	16.7' RT	--	--	--	--	--	--	--	--	--	--	--
EX252E	252STHE+76.00	18.0' RT	--	--	--	--	--	--	--	--	--	--	--
EX278A	255STHE+70.91	23.0' RT	--	--	--	--	--	--	--	--	--	--	--
EW76	255STHE+67.29	44.1' RT	724.88	--	--	--	--	--	--	--	--	--	--
PROJECT 1320-23-71 STAGE 3 TOTALS						3	1	27	0	0	6	2	
PROJECT 1320-23-71 STAGE 4													
888	888HN+00.08	39.5' LT	736.30	729.81	5.2	--	--	1	--	--	--	--	--
888A	887HN+99.49	25.0' RT	736.32	730.86	4.1	--	--	1	--	--	--	--	--
EW39	888HN+00.00	54.2' RT	731.00	--	--	--	--	--	--	--	--	--	--
890	890HN+10.46	60.6' LT	737.25	732.85	3.1	--	--	--	--	1	--	--	--
890A	890HN+43.07	60.3' LT	737.33	732.71	3.3	--	--	--	--	1	--	--	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	520.1015 APRON ENDWALLS FOR CULVERT PIPE RCCP 15" EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE RCCP 24" EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE RCCP 36" EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE RCCP 24X38-INCH EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
891	890HN+77.81	39.5' LT	737.43	731.16	4.9	--	--	--	--	1	--	--	--	--	--
892	892HN+00.41	39.5' LT	736.90	731.55	4.0	--	--	--	--	1	--	--	--	--	--
892A	891HN+99.82	25.0' RT	736.90	732.52	3.0	--	--	--	--	--	--	--	--	--	1
EW13	888HN+74.03	53.5' RT	731.67	--	--	1	--	--	--	--	--	--	--	--	--
EW14	888HN+13.72	54.1' RT	731.24	--	--	1	--	--	--	--	--	--	--	--	--
EW15	889HN+85.34	51.5' RT	732.62	--	--	1	--	--	--	--	--	--	--	--	--
EW16	889HN+45.10	52.5' RT	732.25	--	--	1	--	--	--	--	--	--	--	--	--
EW17	898HN+45.00	42.5' RT	733.89	--	--	1	--	--	--	--	--	--	--	--	--
EW18	894HN+12.51	42.5' RT	732.52	--	--	1	--	--	--	--	--	--	--	--	--
PROJECT 1320-23-71 STAGE 4 TOTALS						7	--	--	--	3	--	--	--	2	2
				PROJECT 1320-23-71 TOTALS		24	3	--	--	29	1	1	1	34	34

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	COMMENTS
891	890HN+77.81	39.5' LT	737.43	731.16	4.9	--	--	1	--	--	--	--	--
892	892HN+00.41	39.5' LT	736.90	731.55	4.0	--	--	1	--	--	--	--	--
892A	891HN+99.82	25.0' RT	736.90	732.52	3.0	--	--	1	--	--	--	--	--
EW13	888HN+74.03	53.5' RT	731.67	--	--	--	--	--	--	--	--	--	--
EW14	888HN+13.72	54.1' RT	731.24	--	--	--	--	--	--	--	--	--	--
EW15	889HN+85.34	51.5' RT	732.62	--	--	--	--	--	--	--	--	--	--
EW16	889HN+45.10	52.5' RT	732.25	--	--	--	--	--	--	--	--	--	--
EW17	898HN+45.00	42.5' RT	733.89	--	--	--	--	--	--	--	--	--	--
EW18	894HN+12.51	42.5' RT	732.52	--	--	--	--	--	--	--	--	--	--
PROJECT 1320-23-71 STAGE 4 TOTALS						--	--	5	--	2	--	--	
				PROJECT 1320-23-71 TOTALS		6	3	74	15	5	14	2	

3

PIPE UNDERDRAIN

ROADWAY	STRUCTURE NUMBER	SPV.0090.002 PIPE UNDERDRAIN 6-INCH SPECIAL LF
PROJECT 1320-23-71 STAGE 1		
	916C	50
	916B	25
	916	50
	916A	25
	920B	50
	920A	25
	921	50
	920	25
PROJECT 1320-23-71 STAGE 1 TOTALS		300
PROJECT 1320-23-71 STAGE 2		
	896B	50
	896A	25
PROJECT 1320-23-71 STAGE 2 TOTALS		75
	UNDISTRIBUTED	100
PROJECT 1320-23-71 TOTALS		475

RECONNECT STORM SEWER

STRUCTURE ID	SPV.0060.011 SEWER EACH
270	1
272	1
EX244D	1
EX278A	1
Ex 277	1
PROJECT 1320-23-71 TOTALS	5

ADJUSTING/RECONSTRUCTING INLET/MANHOLE

STRUCTURE ID	611.0430 RECONSTRUCTING INLET EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	NOTES
PROJECT 1320-23-71 STAGE 3				
270	--	1	--	ADJUST TO ELEVATION 735.30
272	1	--	--	ADJUST TO ELEVATION 731.05
273	1	--	--	ADJUST TO ELEVATION 730.17
275	--	1	--	ADJUST TO ELEVATION 729.87
276	--	--	1	ADJUST TO ELEVATION 727.98
PROJECT 1320-23-71 TOTALS	2	2	1	

COVER PLATES TEMPORARY

STRUCTURE ID	611.8120.S COVER PLATES TEMPORARY EACH
PROJECT 1320-23-71 STAGE 1	
237A	1
237B	1
237C	1
237D	1
238A	1
238B	1
238C	1
238D	1
EX244C	1
EX244D	1
EX248J	1
EX248K	1
EX251D	1
PROJECT 1320-23-71 STAGE 1 SUBTOTALS	8
PROJECT 1320-23-71 STAGE 3	
EX252D	1
EX252E	1
EX278A	1
PROJECT 1320-23-71 STAGE 3 SUBTOTALS	3
PROJECT 1320-23-71 TOTALS	11

CURB & GUTTER ITEMS

ROADWAY	STATION	-	STATION	OFFSET	601.0405 CONCRETE CURB AND GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB AND GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB AND GUTTER 30-INCH TYPE D LF	601.0555 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
STAGE 1									
CTH H	909HN+46			LT	--	--	--	--	23
	909HS+46	-	910HS+29	LT	--	109	--	--	--
	909HS+49	-	910HS+29	LT	--	80	--	--	--
	909HS+62	-	913HS+94	LT	--	559	--	--	--
	909HN+71	-	916HN+07	RT	--	664	--	--	--
	909HN+96			LT	--	--	--	--	84
	909HS+99	-	913HS+64	RT	--	367	--	--	--
	910HN+00	-	913HN+68	LT	--	369	--	--	--
	910HN+33			LT	--	--	--	--	66
	913HN+71			LT	--	--	--	--	64
	914HS+28	-	916HS+05	LT	--	194	--	--	--
	916HN+07	-	916HN+23	LT	--	--	16	--	--
	916HN+07	-	916HN+29	RT	--	--	22	--	--
	916HN+47	-	917HN+31	LT	--	--	118	--	--
	916HN+53	-	922HN+00	RT	--	--	547	--	--
	917HN+63	-	922HN+00	LT	--	--	473	--	--
STH 11	234STHE+00	-	237STHE+80	LT	--	--	--	380	--
	234STHE+00	-	238STHE+76	LT	--	--	--	187	--
	234STHE+00	-	238STHE+76	LT	--	--	--	187	--
	234STHE+00	-	238STHE+97	RT	--	--	--	500	--
	236STHE+71	-	239STHE+41	RT	--	--	--	270	--
	236STHE+71	-	239STHE+41	LT	--	--	--	270	--
	238STHE+71			RT	--	--	--	--	66
	238STHE+74	-	239STHE+48	RT	--	--	--	96	--
	238STHE+75	-	239STHE+46	RT	--	--	--	71	--
	239STHE+48			RT	--	--	--	--	22
STAGE 1 SUBTOTAL					--	2,342	1,176	1,961	325
STAGE 2									
CTH H	894HN+75	-	900HN+89	RT	--	655	--	--	--
	894HS+75	-	896HS+15	LT	--	178	--	--	--
	896HS+46	-	901HS+01	LT	--	525	--	--	--
	901HS+22	-	908HS+08	LT	--	698	--	--	--
	901HN+27	-	908HN+26	RT	--	762	--	--	--
	901HN+54			LT	--	--	--	--	63
	901HN+57	-	903HN+99	LT	--	243	--	--	--
	901HS+58	-	903HS+98	RT	--	242	--	--	--
	904HN+98	-	907HN+66	LT	--	268	--	--	--
	904HS+98	-	907HS+66	RT	--	268	--	--	--

CURB & GUTTER ITEMS

ROADWAY	STATION	-	STATION	OFFSET	601.0405 CONCRETE CURB AND GUTTER 18-INCH TYPE A LF	601.0409 CONCRETE CURB AND GUTTER 30-INCH TYPE A LF	601.0411 CONCRETE CURB AND GUTTER 30-INCH TYPE D LF	601.0555 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
	907HN+58			RT	--	--	--	--	66
	907HN+61	-	908HN+33	RT	--	71	--	--	--
	907HN+61	-	908HN+36	RT	--	98	--	--	--
	907HN+69			LT	--	--	--	--	84
	908HN+36			RT	--	--	--	--	26
	2UNFI+25	-	3UNFI+37	RT	96	--	--	--	--
	2UNFI+25	-	3UNFI+44	LT	138	--	--	--	--
STAGE 2 SUBTOTAL					234	4,008	--	--	239
STAGE 3									
CTH H	903HS+98	-	904HS+98	RT	--	100	--	--	--
	903HN+99	-	904HN+98	LT	--	99	--	--	--
STH 11	236STHE+68			LT	--	--	--	--	84
	238STHE+80			LT	--	--	--	--	84
	239STHE+43			LT	--	--	--	--	36
	240STHE+37	-	241STHE+18	LT	--	104	--	--	--
	240STHE+38			LT	--	--	--	--	25
	240STHE+40	-	241STHE+18	LT	--	77	--	--	--
	240STHE+91	-	254STHE+75	LT	--	1,372	--	--	--
	241STHE+03			LT	--	--	--	--	84
	241STHE+06	-	247STHE+47	LT	--	644	--	--	--
	241STHE+06	-	247STHE+47	LT	--	643	--	--	--
	241STHE+21			LT	--	--	--	--	66
	241STHE+21	-	254STHE+75	RT	--	1,372	--	--	--
	247STHE+51			LT	--	--	--	--	98
	248STHE+12			LT	--	--	--	--	100
	248STHE+14	-	250STHE+45	LT	--	235	--	--	--
	248STHE+14	-	250STHE+47	LT	--	230	--	--	--
	250STHE+50			LT	--	--	--	--	125
	251STHE+86			LT	--	--	--	--	51
	251STHE+89	-	220STHE+37	LT	--	48	--	--	--
	251STHE+90	-	220STHE+37	LT	--	48	--	--	--
	252STHE+40			LT	--	--	--	--	50
	254STHE+75	-	255STHE+25	LT	--	--	51	--	--
	254STHE+75	-	256STHE+05	RT	--	--	259	--	--
STAGE 3 SUBTOTAL					--	4,972	310	--	803
STAGE 4									
CTH H	888HN+00	-	894HN+75	RT	--	670	--	--	--
	888HS+00	-	890HS+10	LT	--	223	--	--	--
	890HS+44	-	894HS+75	LT	--	441	--	--	--
STAGE 4 SUBTOTAL					--	1,334	--	--	--
PROJECT 1320-23-71 TOTAL					234	12,656	1,486	1,961	1,367

CONCRETE SIDEWALK

ROADWAY	STATION	-	STATION	OFFSET	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF
STAGE 1							
CTH H	907HN+97			LT	--	20	--
	908HN+22			LT	--	20	--
	908HN+27			LT	--	20	--
	908HN+37			LT	--	20	--
	909HN+47	-	910HN+30	LT	1,172	--	--
	909HN+48			LT	--	20	--
	909HN+57			LT	--	20	--
	909HN+62			LT	--	20	--
	909HN+80	-	909HN+87	LT	168	--	--
	909HN+83			RT	--	20	--
	909HN+85			LT	--	20	--
	910HN+00	-	913HN+68	LT	2,398	--	--
	913HN+82	-	914HN+00	LT	243	--	--
	913HN+95			LT	--	--	26
	914HN+40	-	914HN+56	LT	242	--	--
	914HN+43			LT	--	--	25
	916HN+07	-	916HN+17	LT	99	--	--
	916HN+16			LT	--	20	--
	916HN+52	-	916HN+62	LT	100	--	--
	916HN+53			LT	--	20	--
	917HN+03	-	917HN+23	LT	257	--	--
	917HN+17			LT	--	--	30
	917HN+80			LT	--	--	32
	917HN+73	-	917HN+94	LT	264	--	--
	926HN+18	-	926HN+56	RT	649	--	--
	926HN+18	-	926HN+58	LT	694	--	--
	926HN+23			RT	--	20	--
	926HN+23			LT	--	20	--
	926HN+55			RT	--	20	--
	926HN+57			LT	--	20	--
	927HN+01	-	927HN+49	RT	726	--	--
	927HN+01	-	927HN+49	LT	766	--	--
	927HN+02			LT	--	20	--
	927HN+03			RT	--	20	--
	927HN+44			RT	--	20	--
	927HN+44			LT	--	20	--
	944HN+03	-	944HN+20	RT	201	--	--
	944HN+19			RT	--	20	--
	944HN+65	-	945HN+01	RT	392	--	--
	944HN+66			RT	--	20	--
STH 11	238STHE+75	-	239STHE+47	RT	889	--	--
	239STHE+04	-	239STHE+21	RT	169	--	--
	240STHE+67	-	240STHE+85	LT	165	--	--
STAGE 1 SUBTOTAL					9,594	420	113

CONCRETE SIDEWALK

ROADWAY	STATION	-	STATION	OFFSET	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF
STAGE 2							
CTH H	895HN+98	-	896HN+14	LT	239	--	--
	896HN+10			LT	--	--	25
	896HN+68			LT	--	--	34
	896HN+61	-	896HN+84	LT	271	--	--
	900HN+56	-	900HN+75	LT	252	--	--
	900HN+70			LT	--	--	28
	901HN+26			LT	--	--	28
	901HN+20	-	901HN+40	LT	253	--	--
	901HN+57	-	901HN+67	LT	101	--	--
	903HN+56	-	903HN+99	LT	403	--	--
	904HN+98	-	907HN+66	LT	1,875	--	--
	907HN+61	-	908HN+36	RT	1,054	--	--
	908HN+05			RT	--	20	--
	908HN+19			RT	--	20	--
	908HN+23			RT	--	20	--
	908HN+34			RT	--	20	--
STH 11	240STHE+82	-	241STHE+02	RT	170	--	--
STAGE 2 SUBTOTAL					4,618	80	115
STAGE 3							
CTH H	903HN+99	-	904HN+98	LT	689	--	--
STH 11	235STHE+87	-	238STHE+76	LT	1,923	--	--
	236STHE+71	-	239STHE+41	LT	1,620	--	--
	240STHE+37	-	241STHE+18	LT	1,128	--	--
	241STHE+86	-	246STHE+27	LT	3,732	--	--
	247STHE+37	-	247STHE+47	LT	159	--	--
	248STHE+14	-	248STHE+24	LT	192	--	--
	250STHE+35	-	250STHE+45	LT	236	--	--
	251STHE+89	-	252STHE+37	LT	242	--	--
	260STHE+73	-	260STHE+93	RT	275	--	--
	260STHE+88			RT	--	20	--
STAGE 3 SUBTOTAL					10,196	20	--
STAGE 4							
CTH H	890HN+00	-	890HN+09	LT	231	--	--
	890HN+06			LT	--	--	23
	890HN+47			LT	--	--	23
	890HN+44	-	890HN+60	LT	231	--	--
	909HN+42			LT	--	20	--
	909HN+51			LT	--	20	--
	909HN+58			LT	--	20	--
STAGE 4 SUBTOTAL					462	60	46
PROJECT 1320-23-71 TOTAL					24,870	580	274

RIPRAP

ROADWAY	STATION	OFFSET	APRON ENDWALL SIZE (in)	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE FABRIC TYPE HR SY
STAGE 1					
CTH H	917HN+25	RT	24	1	1
	918HN+99	RT	15	1	1
	920HN+95	RT	15	1	1
STAGE 1 SUBTOTAL				2	3
STAGE 2					
CTH H	894HN+99	RT	SURFACE DRAIN	3	9
	895HN+62	RT	SURFACE DRAIN	1	4
	897HN+09	RT	SURFACE DRAIN	1	4
	898HN+00	RT	SURFACE DRAIN	1	4
	900HN+01	RT	SURFACE DRAIN	1	4
	904HN+03	RT	24	1	1
STAGE 2 SUBTOTAL				8	26
STAGE 4					
CTH H	889HN+02	RT	SURFACE DRAIN	1	4
	890HN+13	RT	SURFACE DRAIN	1	4
	892HN+99	RT	SURFACE DRAIN	1	4
	894HN+27	RT	SURFACE DRAIN	3	9
STAGE 4 SUBTOTAL				7	21
PROJECT 1320-23-71 TOTALS				16	50

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DRAIN TILE

ROADWAY	612.0700 DRAIN TILE EXPLORATION LF	SPV.0060.006 CONNECT DRAIN TILE
UNDISTRIBUTED	1,500	10
PROJECT 1320-23-71 TOTAL	1,500	10

FENCE SAFETY

ROADWAY	616.0700.S FENCE SAFETY LF
UNDISTRIBUTED	1,500
PROJECT 1320-23-71 TOTAL	1,500

MAINTENANCE AND REPAIR OF HAUL ROADS

ROADWAY	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS 1320-23-71 EACH
PROJECT 1320-23-71	1
PROJECT 1320-23-71 TOTAL	1

MOBILIZATION

ROADWAY	619.1000 MOBILIZATION EACH
PROJECT 1320-23-71	0.1
PROJECT 1320-23-71 TOTAL	0.1

FILE NAME: \PW\t1\cds\030201_mq.ppt PLOT DATE : 10/23/2019 3:43:43 PM PLOT BY : HNTB Corp PLOT NAME : 030201_mq14 PLOT SCALE : 1:1

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RESTORATION ITEMS

ROADWAY	STATION			OFFSET	SPV.0180.001 TOPSOIL SPECIAL SY	629.0205 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
STAGE 1									
CTH H	909HN+89	-	914HN+08	LT	1,760	1.3	32	48	40
	909HN+90	-	912HN+74	RT	658	.5	12	18	15
	913HN+00	-	914HN+03	RT	368	.3	7	10	8
	914HN+31	-	921HN+49	RT	1,873	1.3	34	51	42
	914HN+39	-	917HN+31	LT	984	.8	18	27	22
	917HN+63	-	926HN+59	LT	4,185	2.8	75	113	94
	921HN+73	-	922HN+00	RT	55	.3	1	1	1
	926HN+08	-	926HN+56	RT	93	.3	2	2	2
	926HN+28	-	926HN+56	RT	34	.3	1	1	1
	926HN+28	-	926HN+58	LT	38	.3	1	1	1
	927HN+01	-	927HN+39	LT	44	.3	1	1	1
	927HN+01	-	927HN+59	LT	100	.3	2	3	2
	927HN+02	-	927HN+39	RT	42	.3	1	1	1
	927HN+02	-	944HN+23	RT	4,521	3.0	81	122	102
	944HN+64	-	944HN+96	RT	20	.3	--	1	0
	944HN+67	-	945HN04	RT	23	.3	--	1	1
STH 11	234STHE+00	-	235STHE+87	LT	435	.5	8	12	10
	234STHE+00	-	239STHE+04	LT	482	.5	9	13	11
	234STHE+00	-	239STHE+41	RT	3,368	2.3	61	91	76
TEMPORARY STH 11	240STHE+21	-	244STHE+61	RT	1,317	1.0	24	36	30
STAGE 1 SUBTOTAL					20,400	16	370	553	460
STAGE 2									
CTH H	894HN+75	-	896HN+16	LT	508	.5	9	14	11
	893HN+90	-	895HN+17	RT	91	.3	2	2	2
	895HN+27	-	900HN+96	LT	1,480	1.0	27	40	33
	895HN+33	-	896HN+14	RT	269	.3	5	7	6
	896HN+33	-	899HN+50	RT	926	.8	17	25	21
	899HN+62	-	900HN+89	RT	286	.3	5	8	1
	901HN+18	-	907HN+55	LT	2,291	1.5	41	62	5
	901HN+28	-	907HN+78	RT	2,291	1.5	41	62	5
	901HN+67	-	903HN+56	LT	357	.3	6	10	1
STAGE 2 SUBTOTAL					8,499	6	153	230	85

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RESTORATION ITEMS

ROADWAY	STATION			OFFSET	SPV.0180.001 TOPSOIL SPECIAL SY	629.0205 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
STAGE 3									
STH 11	240STHE+62	-	244STHE+77	LT	1,255	1.0	23	34	28
	240STHE+72	-	260STHE+93	RT	7,690	5.0	138	208	173
	246STHE+27	-	247STHE+37	LT	215	.3	4	6	5
	248STHE+11	-	251STHE+31	LT	683	.5	12	18	15
	248STHE+24	-	250STHE+35	LT	684	.5	12	18	15
	251STHE+69	-	253STHE+98	LT	507	.5	9	14	11
	254STHE+32	-	254STHE+74	LT	38	.3	1	1	1
TEMPORARY STH 11	250STHE+26	-	256STHE+04	RT	2,064	1.5	37	56	46
STAGE 3 SUBTOTAL					13,136	10	236	355	294
STAGE 4									
CTH H	888HN+00	-	888HN+33	RT	158	.3	3	4	4
	888HN+00	-	890HN+10	LT	699	.5	13	19	16
	888HN+54	-	889HN+60	RT	412	.5	7	11	9
	889HN+72	-	892HN+51	RT	615	.5	11	17	14
	890HN+44	-	894HN+75	LT	1,037	.8	19	28	23
	892HN+72	-	893HN+55	RT	220	.3	4	6	5
	893HN+90	-	895HN+17	RT	192	.3	3	5	4
STAGE 4 SUBTOTAL					3,333	3	60	90	75
ROADWAY SUBTOTAL					45,368	35	819	1,228	914
UNDISTRIBUTED					11,432	9	231	312	236
PROJECT 1320-23-71 TOTAL					56,800	44	1,050	1,540	1,150

EROSION CONTROL

ROADWAY	STATION			OFFSET	628.1104 EROSION BALES EACH	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
STAGE 1								
CTH H	909HN+89	-	914HN+08	LT	--	1,760	--	--
	909HN+90	-	912HN+74	RT	--	658	--	--
	911HN+18			41.6' RT	--	--	8	--
	911HN+49			101.7' LT	--	--	8	--
	912HN+54			44.9' RT	--	--	--	1
	913HN+00			RT	--	368	--	--
	913HN+79			45.5' RT	--	--	--	1
	914HN+31			RT	--	1,873	--	--
	914HN+39	-	917HN+31	LT	--	984	--	--
	914HN+46	-	915HN+79	LT	56	--	--	--
	915HN+30			46.9' RT	--	--	8	--
	915HN+50			69.0' LT	--	--	--	1
	915HN+64			RT	12	--	--	--
	916HN+61	-	916HN+90	LT	12	--	--	--
	917HN+03	-	917HN+93	RT	36	--	--	--
	917HN+63	-	926HN+59	LT	--	4,185	--	--
	918HN+79	-	921HN+19	RT	112	--	--	--
	919HN+93			49.0' LT	--	--	8	--
	921HN+73			RT	--	55	--	--
	921HN+93			49.0' LT	--	--	8	--
	926HN+08			RT	--	93	--	--
	926HN+28	-	926HN+56	RT	--	34	--	--
	926HN+28	-	926HN+58	LT	--	38	--	--
	927HN+01	-	927HN+39	LT	--	44	--	--
	927HN+01	-	927HN+59	LT	--	100	--	--
	927HN+02	-	927HN+39	RT	--	42	--	--
	927HN+02	-	944HN+23	RT	--	4,521	--	--
	944HN+64	-	944HN+96	RT	--	20	--	--
	944HN+67	-	945HN04	RT	--	23	--	--
STH 11	234STHE+00	-	235STHE+87	LT	--	435	--	--
	234STHE+00	-	239STHE+04	LT	--	482	--	--
	234STHE+00	-	239STHE+41	RT	--	3,368	--	--
	236STHE+58			100.4' LT	--	--	8	--
	237STHE+09			96.6' RT	--	--	8	--
TEMPORARY STH 11	240STHE+21	-	244STHE+61	RT		1,317	--	--
STAGE 1 SUBTOTAL					228	20,400	56	3
STAGE 2								
CTH H	894HN+75	-	896HN+16	LT	--	508	--	--
	894HN+75	-	895HN+17	RT	--	91	--	--
	894HN+75	-	894HN+78	RT	8	--	--	--
	895HN+27	-	900HN+96	LT	--	1,480	--	--
	895HN+33	-	896HN+14	RT	--	269	--	--
	895HN+58			45.5' RT	--	--	--	1
	896HN+33	-	899HN+50	RT	--	926	--	--
	896HN+57			45.5' RT	--	--	--	1
	897HN+33			41.7' RT	--	--	8	--
	899HN+62	-	900HN+89	RT	--	286	--	--

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EROSION CONTROL

ROADWAY	STATION			OFFSET	628.1104 EROSION BALES EACH	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
	899HN+84			54.6' RT	--	--	--	1
	901HN+18	-	907HN+55	LT	--	2,291	--	--
	901HN+28	-	907HN+78	RT	--	2,291	--	--
	901HN+67	-	903HN+56	LT	--	357	--	--
	903HN+98	-	903HN+38	RT	16	--	--	--
STAGE 2 SUBTOTAL					24	8,499	8	3
STAGE 3								
STH 11	240STHE+62	-	244STHE+77	LT	--	1,255	--	--
	240STHE+72	-	260STHE+93	RT	--	7,690	--	--
	242STHE+43			86.5' LT	--	--	8	--
	245STHE+17			76.5' LT	--	--	8	--
	245STHE+18			63.3' RT	--	--	8	--
	246STHE+27	-	247STHE+37	LT	--	215	--	--
	247STHE+18			63.3' RT	--	--	8	--
	248STHE+11	-	251STHE+31	LT	--	683	--	--
	248STHE+24	-	250STHE+35	LT	--	684	--	--
	249STHE+15			64.0' RT	--	--	8	--
	249STHE+89			81.9' LT	--	--	8	--
	251STHE+12			59.7' RT	--	--	8	--
	251STHE+69	-	253STHE+98	LT	--	507	--	--
	253STHE+17			55.2' RT	--	--	8	--
	254STHE+32	-	254STHE+74	LT	--	38	--	--
	255STHE+24			53.5' RT	--	--	8	--
	257STHE+24			54.4' RT	--	--	8	--
TEMPORARY STH 11	250STHE+26	-	256STHE+04	RT	--	2,064	--	--
STAGE 3 SUBTOTAL					--	13,136	80	--
STAGE 4								
CTH H	888HN+00	-	888HN+33	RT	--	158	--	--
	888HN+00	-	890HN+10	LT	--	699	--	--
	888HN+00			63.6' RT	--	--	--	1
	888HN+54	-	889HN+60	RT	--	412	--	--
	888HN+87			53.7' RT	--	--	--	1
	889HN+72	-	892HN+51	RT	--	615	--	--
	889HN+97			51.1' RT	--	--	--	1
	890HN+44	-	894HN+75	LT	--	1,037	--	--
	892HN+72	-	893HN+55	RT	--	220	--	--
	893HN+35			43.0' RT	--	--	--	1
	893HN+90	-	894HN+75	RT	--	192	--	--
	894HN+49	-	894HN+75	RT	8	--	--	--
STAGE 4 SUBTOTAL					8	3,333	--	4
SUBTOTAL					260	45,368	144	10
UNDISTRIBUTED					65	11,432	36	3
PROJECT 1320-23-71 TOTAL					325	56,800	180	13

SILT FENCE

ROADWAY	STATION			OFFSET	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	SPV.0090.001 HEAVY DUTY SILT FENCE LF
STAGE 1							
CTH H	943HN+50	-	944HN+23	RT	100	100	
	910HN+17	-	912HN+00	LT	188	188	--
	910HN+70	-	912HN+74	RT	296	296	--
	913HN+00	-	914HN+03	RT	107	107	--
	914HN+35	-	915HN+50	RT	122	122	--
	914HN+41	-	915HN+88	LT	--	--	199
	915HN+50	-	915HN+95	RT	--	--	35
	915HN+95	-	916HN+98	RT	117	117	--
	916HN+60	-	917HN+01	LT	--	--	95
	916HN+98	-	917HN+75	RT	--	--	95
	917HN+96	-	918HN+75	RT	81	81	--
	918HN+75	-	921HN+19	RT	--	--	275
	921HN+73	-	922HN+00	RT	55	55	--
	926HN+00	-	926HN+59	LT	88	88	--
	926HN+03	-	926HN+56	RT	108	108	--
	927HN+01	-	927HN+64	LT	114	114	--
	927HN+02	-	935HN+00	RT	830	830	--
	943HN+50	-	944HN+23	RT	100	100	--
	944HN+64	-	944HN+96	RT	34	34	--
	944HN+67	-	945HN+04	RT	44	44	--
STH 11	234STHE+00	-	238STHE+71	LT	492	492	--
	236STHE+00	-	239STHE+01	RT	304	304	--
STAGE 1 SUBTOTAL					3,180	3,180	699
STAGE 2							
CTH H	894HN+75	-	895HN+25	LT	53	53	--
	894HN+75	-	894HN+91	RT	--	--	24
	894HN+91	-	895HN+17	RT	29	29	--
	895HN+33	-	896HN+14	RT	81	81	--
	896HN+33	-	899HN+50	RT	322	322	--
	899HN+62	-	900HN+75	RT	145	145	--
	900HN+50	-	900HN+86	LT	78	78	--
	901HN+44	-	904HN+00	RT	321	321	--
	904HN+00	-	904HN+37	RT	--	--	38
	904HN+37	-	907HN+68	RT	256	256	--
UNFI	2UNFI+25	-	3UNFI+00	LT	87	87	--
STAGE 2 SUBTOTAL					1,372	1,372	62

SILT FENCE

ROADWAY	STATION			OFFSET	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	SPV.0090.001 HEAVY DUTY SILT FENCE LF
STAGE 3							
STH 11	240STHE+81	-	244STHE+77	LT	717	717	--
	241STHE+06	-	245STHE+00	RT	384	384	--
	248STHE+11	-	251STHE+31	LT	327	327	--
	251STHE+69	-	253STHE+98	LT	244	244	--
	254STHE+32	-	254STHE+79	LT	51	51	--
	256STHE+00	-	259STHE+00	RT	352	352	--
STAGE 3 SUBTOTAL					2,075	2,075	--
STAGE 4							
CTH H	888HN+00	-	888HN+33	RT	29	29	--
	888HN+54	-	889HN+60	RT	115	115	--
	889HN+72	-	892HN+51	RT	305	305	--
	890HN+44	-	896HN+16	LT	56	56	--
	892HN+72	-	893HN+55	RT	96	96	--
	894HN+00	-	894HN+52	RT	50	50	--
	894HN+00	-	894HN+75	LT	77	77	--
	894HN+52	-	894HN+75	RT	--	--	22
STAGE 4 SUBTOTAL					728	728	22
SUBTOTAL					7,355	7,355	783
UNDISTRIBUTED					1,845	1,845	217
PROJECT 1320-23-71 TOTAL					9,200	9,200	1,000

INLET PROTECTION

ROADWAY	STATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH	628.7020 INLET PROTECTION TYPE D EACH
STAGE 1				
CTH H	910HN+25	63.3' LT	1	1
	911HN+68	25.8' RT	1	1
	911HN+69	73.3' LT	1	1
	911HN+69	11.2' LT	1	1
	911HN+69	1.2' LT	1	1
	913HN+59	25.8' RT	1	1
	913HN+65	13.7' LT	1	1
	913HN+66	23.3' LT	1	1
	913HN+69	50.4' LT	1	1
	914HN+70	25.2' RT	1	1
	915HN+50	28.1' LT	1	1
	915HN+50	25.1' RT	1	1
	915HN+68	25.8' RT	1	1
	915HN+69	27.5' LT	1	1
	916HN+60	53.6' LT	1	1
	916HN+79	25.8' LT	1	1
	917HN+11	25.8' RT	1	1
	918HN+99	24.9' RT	1	1
	919HN+00	25.2' LT	1	1
	920HN+74	25.8' RT	1	1
	920HN+75	25.2' LT	1	1
	920HN+94	25.8' LT	1	1
	920HN+94	49.1' LT	1	--
	920HN+94	25.3' RT	1	1
	921HN+00	49.0' LT	1	1
STH 11	234STHE+70	77.6' LT	1	1
	234STHE+70	35.2' LT	1	1
	234STHE+71	7.4' LT	1	1
	234STHE+71	40.9' RT	1	1
	236STHE+84	25.0' LT	1	1
	236STHE+84	10.8' LT	1	1
	236STHE+84	1.5' LT	1	1
	236STHE+85	53.5' RT	1	1
	236STHE+98	77.0' LT	1	1
	236STHE+98	34.8' LT	1	1
	239STHE+21	41.6' RT	1	1
STAGE 1 SUBTOTAL			36	35

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INLET PROTECTION

ROADWAY	STATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH	628.7020 INLET PROTECTION TYPE D EACH
STAGE 2				
CTH H	894HN+71	69.1' LT	1	1
	894HN+71	39.8' LT	1	1
	895HN+14	42.6' LT	1	1
	895HN+39	45.7' LT	1	1
	895HN+76	50.3' LT	1	1
	897HN+06	54.7' LT	1	1
	897HN+98	58.4' LT	1	1
	899HN+98	65.4' LT	1	1
	901HN+85	71.2' LT	1	1
	901HN+86	20.9' LT	1	1
	901HN+86	1.0' LT	1	1
	901HN+86	24.7' RT	1	1
	902HN+14	71.8' LT	1	1
	902HN+15	25.5' RT	1	1
	903HN+64	23.3' LT	1	1
	903HN+64	9.2' LT	1	1
	903HN+64	35.7' RT	1	1
	903HN+65	72.4' LT	1	1
	904HN+00	100.1' LT	1	1
	904HN+02	37.5' RT	1	1
	905HN+99	37.8' RT	1	1
	906HN+00	61.8' LT	1	1
	906HN+00	34.7' LT	1	1
	906HN+00	25.8' LT	1	1
	907HN+69	27.2' RT	1	1
STAGE 2 SUBTOTAL			25	25

INLET PROTECTION

ROADWAY	STATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH	628.7020 INLET PROTECTION TYPE D EACH
STAGE 3				
STH 11	241STHE+11	63.2' LT	1	1
	242STHE+15	72.9' LT	1	1
	242STHE+16	10.8' LT	1	1
	242STHE+16	0.8' LT	1	1
	242STHE+16	37.3' RT	1	1
	243STHE+43	73.8' LT	1	1
	244STHE+01	72.1' LT	1	1
	244STHE+01	10.7' LT	1	1
	244STHE+01	0.8' LT	1	1
	244STHE+02	37.3' RT	1	1
	244STHE+25	70.0' LT	1	1
	245STHE+64	61.4' LT	1	1
	245STHE+65	17.3' LT	1	1
	245STHE+65	7.4' LT	1	1
	245STHE+66	37.3' RT	1	1
	246STHE+65	91.1' LT	1	1
	246STHE+66	61.7' LT	1	1
	247STHE+23	61.5' LT	1	1
	247STHE+24	35.2' LT	1	1
	247STHE+24	13.2' LT	1	1
	247STHE+25	36.8' RT	1	1
	248STHE+55	90.3' LT	1	1
	250STHE+31	34.8' RT	1	1
	250STHE+33	0.8' LT	1	1
	250STHE+36	28.9' LT	1	1
	250STHE+38	55.4' LT	1	1
	252STHE+28	28.5' RT	1	1
	252STHE+31	1.3' LT	1	1
	252STHE+31	8.1' LT	1	1
	252STHE+34	34.4' LT	1	1
	252STHE+83	50.0' LT	1	--
	253STHE+77	25.7' RT	1	1
	253STHE+78	26.2' LT	1	1
STAGE 3 SUBTOTAL			33	32
STAGE 4				
CTH H	887HN+99	25.4' RT	1	1
	888HN+00	39.8' LT	1	1
	888HN+00	25.2' RT	1	1
	890HN+10	60.6' LT	1	1
	890HN+43	60.3' LT	1	1
	890HN+78	39.8' LT	1	1
	892HN+00	24.8' RT	1	1
	892HN+01	39.8' LT	1	1
	894HN+01	39.8' LT	1	1
STAGE 4 SUBTOTAL			9	9
PROJECT 1320-23-71 TOTAL			103	101

3

TRACKING PADS

	628.7560
	TRACKING PADS
PROJECT 1320-23-71	EACH
UNDISTRIBUTED	10
PROJECT 1320-23-71 TOTAL	10

PERMANENT SIGNING

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE INCH	X INCH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	STATION	LOCATION	SIGN MOUNTED ON SAME POST AS SIGN #	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	REMARKS
STAGE 1												
044	R6-1L	ONE WAY LEFT	36	12	3	--	--			045 ,046 ,047 ,048	--	MOUNTED ON SIGNAL POLE
045	R6-1R	ONE WAY RIGHT	36	12	3	--	--			044 ,046 ,047 ,048	--	MOUNTED ON SIGNAL POLE
046	R1-1-F	FOLDING STOP SIGN	36	36	--	7.26	--			044 ,045 ,047 ,048	--	MOUNTED ON SIGNAL POLE
047	R6-3	DIVIDED HIGHWAY	30	24	5	--	--			044 ,045 ,046 ,048	--	MOUNTED ON SIGNAL POLE
048	R5-1	DO NOT ENTER	30	30	6.25	--	--			044 ,045 ,046 ,047	--	MOUNTED ON SIGNAL POLE
049	R1-2	YIELD	36	31	3.88	--	--				1	
050	R4-7	KEEP RIGHT	24	30	5.00	--	--			051	--	MOUNTED ON SIGNAL POLE
051	R1-1-F	FOLDING STOP SIGN	36	36	--	7.26	--			050	--	MOUNTED ON SIGNAL POLE
052	W12-1-D	DOUBLE ARROW	24	24	--	--	4				1	2-FOOT MOUNTING HEIGHT
053	J2-1	WEST STH 11 ARROW	24	57	9.5	--	--				1	
054	J1-1	EAST STH 11 ARROW	24	39	6.5	--	--				1	
055	R3-20L	BEGIN LEFT TURN LANE	24	36	6.00	--	--				1	
056	W6-2	DIVIDED HIGHWAY ENDS	36	36	--	--	9				1	
057	J4-1	NORTH CTH H	24	36	6	--	--				1	
058	R3-20L	BEGIN LEFT TURN LANE	24	36	6	--	--				1	
059	R4-7	KEEP RIGHT	24	30	5	--	--				1	
060	W10-1	RAILROAD CROSSING	36	36	--	--	9			061	--	
061	R5-1	DO NOT ENTER	30	30	6.25	--	--			060	1	
062	J2-1	JCT STH 11	24	57	9.50	--	--				1	
063	W3-3	TRAFFIC CONTROL AHEAD	36	36	--	--	9.00				1	
064	R2-1	SPEED LIMIT 35	24	30	5.00	--	--				1	
065	W6-1	DIVIDED HIGHWAY AHEAD	36	36	--	--	9.00				1	
066	R15-1	GRADE CROSSING (CROSSBUCK)	48	9	3.00	--	--			067	1	
067	R1-2	YIELD	36	31	3.88	--	--			066	--	
068	R15-1	GRADE CROSSING (CROSSBUCK)	48	9	3.00	--	--			069	1	
069	R1-2	YIELD	36	31	3.88	--	--			068	--	
070	W10-1	RAILROAD CROSSING	36	36	--	--	9				1	
073	R3-20L	BEGIN LEFT TURN LANE	24	36	6.00	--	--				1	
076	J4-1	WEST STH 11	24	36	6.00	--	--				1	
077	J4-1	WEST STH 11	24	36	6.00	--	--				1	
078	R3-20LL	BEGIN LEFT TURN LANE	24	36	6.00	--	--			079	1	
079	R5-1A	WRONG WAY	36	24	6.00	--	--			078	--	
080	J2-1	NORTH CTH H ARROW	24	57	9.50	--	--				1	
081	J2-1	SOUTH CTH H ARROW	24	57	9.50	--	--				1	
082	R4-7	KEEP RIGHT	24	30	5.00	--	--			083	--	MOUNTED ON SIGNAL POLE
083	R1-1-F	FOLDING STOP SIGN	36	36	--	7.26	--			082	--	MOUNTED ON SIGNAL POLE
084	W12-1-D	DOUBLE ARROW	24	24	--	--	4				1	2-FOOT MOUNTING HEIGHT
085	R1-2	YIELD	36	31	3.88	--	--				1	
086	R1-1-F	FOLDING STOP SIGN	36	36	--	7.26	--			087	--	MOUNTED ON SIGNAL POLE
087	R5-1	DO NOT ENTER	30	30	6.25	--	--			086	--	MOUNTED ON SIGNAL POLE
088	R6-1L	ONE WAY LEFT	36	12	3.00	--	--			089 ,090 ,091	--	MOUNTED ON SIGNAL POLE
089	R6-1R	ONE WAY RIGHT	36	12	3.00	--	--			088 ,090 ,091	--	MOUNTED ON SIGNAL POLE
090	R1-1-F	FOLDING STOP SIGN	36	36	--	7.26	--			088 ,089 ,091	--	MOUNTED ON SIGNAL POLE
091	R6-3	DIVIDED HIGHWAY	30	24	5.00	--	--			088 ,089 ,090	--	MOUNTED ON SIGNAL POLE
097	R1-2	YIELD	36	31	3.88	--	--				1	
STAGE 1 SUBTOTAL					178.65	36.30	53.00				26.00	

PERMANENT SIGNING

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE INCH X INCH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	STATION	LOCATION	SIGN MOUNTED ON SAME POST AS SIGN #	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	REMARKS
STAGE 2											
020	R3-9C	BEGIN	24 X 6	1	--	--			021	1	
021	R3-9B	TWO WAY LEFT TURN LANE	24 X 36	6	--	--			020	--	
022	R3-9D	END	24 X 6	1	--	--			023	1	
023	R3-9B	TWO WAY LEFT TURN LANE	24 X 36	6	--	--			022	--	
024	W3-3	TRAFFIC CONTROL AHEAD	36 X 36	--	--	9				1	
025	R5-1	DO NOT ENTER	30 X 30	6.25	--	--				1	
026	R4-7	KEEP RIGHT	24 X 30	5	--	--				1	
027	J1-1	JCT STH 11	24 X 39	6.5	--	--				1	
028	J1-1	JCT STH 11	24 X 39	6.5	--	--				1	
029	R3-20L	BEGIN LEFT TURN LANE	24 X 36	6	--	--				1	
030	R2-1	SPEED LIMIT 35	24 X 30	5	--	--				1	
031	R3-20L	BEGIN LEFT TURN LANE	24 X 36	6	--	--				1	
032	J4-1	SOUTH CTH H	24 X 36	6	--	--				1	
033	J2-1	WEST STH 11 ARROW	24 X 57	9.5	--	--				1	
034	J2-1	EAST STH 11 ARROW	24 X 57	9.5	--	--				1	
035	R1-1-F	FOLDING STOP SIGN	36 X 36	--	7.26	--			036	--	MOUNTED ON SIGNAL POLE
036	R4-7	KEEP RIGHT	24 X 30	5	--	--			035	--	MOUNTED ON SIGNAL POLE
037	W12-1-D	DOUBLE ARROW	24 X 24	--	--	4				1	2-FOOT MOUNTING HEIGHT
038	R1-2	YIELD	36 X 31	3.88	--	--				1	
039	R6-1L	ONE WAY LEFT	36 X 12	3	--	--			040 ,041 ,042 ,043	--	MOUNTED ON SIGNAL POLE
040	R6-1R	ONE WAY RIGHT	36 X 12	3	--	--			039 ,041 ,042 ,043	--	MOUNTED ON SIGNAL POLE
041	R1-1-F	FOLDING STOP SIGN	36 X 36	--	7.26	--			039 ,040 ,042 ,043	--	MOUNTED ON SIGNAL POLE
042	R6-3	DIVIDED HIGHWAY	30 X 24	5	--	--			039 ,040 ,041 ,043	--	MOUNTED ON SIGNAL POLE
043	R5-1	DO NOT ENTER	30 X 30	6.25	--	--			039 ,040 ,041 ,042	--	MOUNTED ON SIGNAL POLE
STAGE 2 SUBTOTAL				106.38	14.52	13.00				15.00	

PERMANENT SIGNING

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE INCH	X INCH	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	STATION	LOCATION	SIGN MOUNTED ON SAME POST AS SIGN #	634.0618 POSTS WOOD 4X6-INCH X 18-FT EACH	REMARKS
STAGE 3												
092	R5-1	DO NOT ENTER	30	X 30	6.25	--	--			093 ,094 ,095 ,096	--	MOUNTED ON SIGNAL POLE
093	R6-1L	ONE WAY LEFT	36	X 12	3.00	--	--			092 ,094 ,095 ,096	--	MOUNTED ON SIGNAL POLE
094	R6-1R	ONE WAY RIGHT	36	X 12	3.00	--	--			092 ,093 ,095 ,096	--	MOUNTED ON SIGNAL POLE
095	R1-1-F	FOLDING STOP SIGN	36	X 36	--	7.26	--			092 ,093 ,094 ,096	--	MOUNTED ON SIGNAL POLE
096	R6-3	DIVIDED HIGHWAY	30	X 24	5.00	--	--			092 ,093 ,094 ,095	--	MOUNTED ON SIGNAL POLE
098	R4-7	KEEP RIGHT	24	X 30	5.00	--	--			099, 100	--	MOUNTED ON SIGNAL POLE
099	R10-50	LT TURN YIELD FLASHING YELLOW ARROW	30	X 36	7.50	--	--			098, 100	--	MOUNTED ON SIGNAL POLE
100	R1-1-F	FOLDING STOP SIGN	36	X 36	--	7.26	--			098, 099	--	MOUNTED ON SIGNAL POLE
101	W12-1-D	DOUBLE ARROW	24	X 24	--	--	4.00				1	2-FOOT MOUNTING HEIGHT
102	J2-1	NORTH CTH H ARROW	24	X 57	9.50	--	--				1	
103	R5-1A	WRONG WAY	36	X 24	6.00	--	--			104	1	
104	J2-1	SOUTH CTH H ARROW	24	X 57	9.50	--	--			103	--	
105	J4-1	EAST STH 11	24	X 36	6.00	--	--				1	
106	R2-1	SPEED LIMIT 35	24	X 30	5.00	--	--			107	1	
107	R5-1A	WRONG WAY	36	X 24	6.00	--	--			106	--	
108	R2-1	SPEED LIMIT 35	24	X 30	5.00	--	--				1	
109	W9-1R	RIGHT LANE ENDS	30	X 30	--	--	6.25				1	
110	R3-20L	BEGIN LEFT TURN LANE	24	X 36	6.00	--	--				1	
111	R5-1	DO NOT ENTER	30	X 30	6.25	--	--				1	
112	R4-7	KEEP RIGHT	24	X 30	5.00	--	--				1	
113	R6-2L	ONE WAY LEFT	24	X 30	5.00	--	--				1	
114	W3-3	TRAFFIC CONTROL AHEAD	36	X 36	--	--	9.00				1	
115	W3-3	TRAFFIC CONTROL AHEAD	36	X 36	--	--	9.00				1	
116	W6-2	DIVIDED HIGHWAY ENDS	30	X 30	--	--	6.25				1	
117	R5-1A	WRONG WAY	36	X 24	6.00	--	--				1	
118	J1-1	JCT CTH H	24	X 39	6.50	--	--				1	
119	J1-1	JCT CTH H	24	X 39	6.50	--	--				1	
120	W4-2	LANE ENDS	36	X 36	--	--	9.00				1	
121	R3-4	NO U-TURN	24	X 24	4.00	--	--			122	1	
122	R4-7	KEEP RIGHT	24	X 30	5.00	--	--			121	--	
123	R6-2L	ONE WAY LEFT	24	X 30	5.00	--	--				1	
124	R4-7	KEEP RIGHT	24	X 30	5.00	--	--				1	
125	R4-7	KEEP RIGHT	24	X 30	5.00	--	--				1	
126	R5-1	DO NOT ENTER	30	X 30	6.25	--	--				1	
127	W6-1	DIVIDED HIGHWAY BEGINS	36	X 36	--	--	9.00				1	
STAGE 3 SUBTOTAL					148.25	14.52	52.50				24.00	
PROJECT 1320-23-71 TOTAL					433.28	65.34	118.50				65.00	

SIGN REMOVAL

SIGN NUMBER	STATION	LOCATION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORT EACH	SIGN MOUNTED ON SAME POST AS SIGN #	REMARKS
STAGE 1						
036R			1	--		FOLDING STOP
037R			1	1	038R	STH 11
038R			1	--	037R	DOUBLE DIRECTIONAL ARROW
039R			1	1	040R, 041R	NORTH
040R			1	--	039R, 041R	COUNTY H
041R			1	--	039R, 040R	SPEED LIMIT 35
042M			1	1		ADOPT-A-HIGHWAY
043R			1	1		NO PARKING ANYTIME
044R			1	1	045R	JCT
045R			1	--	044R	STH 11
046R			1	1		ADVANCE TRAFFIC CONTROL
047R			1	1		RAILROAD
048R			1	1	049R	GRADE CROSSING (CROSSBUCK)
049R			1	--	048R	YIELD
050R			1	1	051R	GRADE CROSSING (CROSSBUCK)
051R			1	--	050R	YIELD
052R			1	1		RAILROAD
053R			1	1		NO PARKING ANYTIME
054R			1	1		NO PARKING ANYTIME
055R			1	1	056R, 057R	NORTH
056R			1	--	055R, 057R	COUNTY H
057R			1	--	055R, 056R	ADVANCE TURN ARROW
058R			1	1	059R, 060R	SOUTH
059R			1	--	058R, 060R	COUNTY H
060R			1	--	058R, 059R	DIRECTIONAL ARROW
061R			1	1		BEGIN LEFT TURN LANE
062R			1	1	063R, 064R	NORTH
063R			1	--	062R, 064R	COUNTY H
064R			1	--	062R, 063R	ADVANCE TURN ARROW
065R			1	1	066R, 067R	SOUTH
066R			1	--	065R, 067R	COUNTY H
067R			1	--	065R, 066R	ADVANCE TURN ARROW
068R			1	1		SPEED LIMIT 45
069R			1	1		SPEED LIMIT 45
070R			1	1	071R	WEST
071R			1	--	070R	STH 11
072R			1	1	073R	BEGIN LEFT TURN LANE
073R			1	--	072R	WRONG WAY
074R			1	1		WRONG WAY
075R			1	1	076R, 077R	SOUTH
076R			1	--	075R, 077R	COUNTY H
077R			1	--	075R, 076R	DIRECTIONAL ARROW
078R			1	1	079R, 080R	NORTH
079R			1	--	078R, 080R	COUNTY H
080R			1	--	078R, 079R	DIRECTIONAL ARROW

SIGN REMOVAL

SIGN NUMBER	STATION	LOCATION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORT EACH	SIGN MOUNTED ON SAME POST AS SIGN #	REMARKS
081R			1	--	082R	FOLDING STOP
082R			1	--	081R	KEEP RIGHT
083R			1	1	084R	FOLDING STOP
084R			1	--	083R	DO NOT ENTER
085R			1	1		DOUBLE ARROW
086R			1	--	087R	FOLDING STOP
087R			1	--	086R	DO NOT ENTER
088R			1	1		STOP
089R			1	--	092R	DO NOT ENTER
090R			1	--		DO NOT ENTER
091R			1	1		STOP
092R			1	--	089R	FOLDING STOP
093R			1	1		DOUBLE ARROW
094R			1	1		FOLDING STOP
095R			1	--	096R	FOLDING STOP
096R			1	--	095R	KEEP RIGHT
STAGE 1 SUBTOTAL			61	30		
STAGE 2						
020R			1	1		ADVANCE TRAFFIC CONTROL
021R			1	1		NO PARKING ANYTIME
022R			1	1		NO PARKING ANYTIME
023R			1	1		NO PARKING ANYTIME
024R			1	1		SPEED LIMIT 35
025R			1	1	026R	JCT
026R			1	--	025R	STH 11
027M			1	1		ADOPT-A-HIGHWAY
028R			1	1	029R	SOUTH
029R			1	--	028R	COUNTY H
030R			1	1		NO PARKING ANYTIME
031R			1	1	032R, 033R	COUNTY H
032R			1	--	031R, 033R	DIRECTIONAL ARROW
033R			1	--	031R, 032R	FOLDING STOP
034R			1	1	035R	STH 11
035R			1	--	034R	DOUBLE DIRECTIONAL ARROW
STAGE 2 SUBTOTAL			16	11		
STAGE 3						
097R			1	1	098R, 099R	NORTH
098R			1	--	097R, 099R	COUNTY H
099R			1	--	097R, 098R	DIRECTIONAL ARROW
100R			1	1		BEGIN LEFT TURN LANE
101R			1	1	102R, 103R	SOUTH
102R			1	--	101R, 103R	COUNTY H
103R			1	--	101R, 102R	ADVANCE TURN ARROW
104R			1	1	105R	WEST
105R			1	--	104R	STH 11

SIGN REMOVAL

SIGN NUMBER	STATION	LOCATION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORT EACH	SIGN MOUNTED ON SAME POST AS SIGN #	REMARKS
106R			1	1		SPEED LIMIT 45
107R			1	1		SPEED LIMIT 45
108R			1	1		WRONG WAY
109R			1	1		WRONG WAY
110R			1	1		BEGIN LEFT TURN LANE
111R			1	1	112R, 113R	SOUTH
112R			1	--	111R, 113R	COUNTY H
113R			1	--	111R, 112R	ADVANCED TURN ARROW
114R			1	1	115R, 116R	NORTH
115R			1	--	114R, 116R	COUNTY H
116R			1	--	114R, 115R	ADVANCED TURN ARROW
117M			1	1		ADOPT-A-HIGHWAY
118R			1	1		DIVIDED HIGHWAY ENDS
119R			1	1		KEEP RIGHT
120R			1	1		KEEP RIGHT
121R			1	1		ADVANCE TRAFFIC CONTROL
122R			1	1		ADVANCE TRAFFIC CONTROL
123R			1	1		REDUCE SPEED LIMIT 30 AHEAD
124R			1	1	125R	REDUCE SPEED LIMIT 30 AHEAD
125R			1	--	124R	WRONG WAY
126R			1	1		KEEP RIGHT
127R			1	1		DO NOT ENTER
128R			1	1	129R	JCT
129R			1	--	128R	COUNTY H
130R			1	1		SPEED LIMIT 45
131R			1	1		SPEED LIMIT 30
132R			1	1		DIVIDED HIGHWAY BEGINS
STAGE 3 SUBTOTAL			36	25		
STAGE 4						
014R			1	1		NO PARKING ANYTIME
015R			1	1		NO PARKING ANYTIME
016R			1	1		SPEED LIMIT 35
017R			1	1		SPEED LIMIT 35
018R			1	1		NO PARKING ANYTIME
019R			1	1		NO PARKING ANYTIME
STAGE 4 SUBTOTAL			6	6		
PROJECT 1320-23-71 TOTALS			119	72		

TRAFFIC CONTROL ITEMS

ROADWAY	STAGE DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH^	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH^	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH^	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH^	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0900* TRAFFIC CONTROL SIGNS EACH^	643.0900* TRAFFIC CONTROL SIGNS DAYS	643.0920* TRAFFIC CONTROL COVERING SIGNS TYPE II EACH^
STAGE 1a												
CTH H	81	7	567	7	567	14	1,134	--	--	24	1,944	--
STH 11	81	111	8,991	20	1,620	40	3,240	53	4,293	20	1,620	--
STAGE 1a SUBTOTAL			9,558		2,187		4,374		4,293		3,564	--
STAGE 1b												
CTH H	26	--	--	9	234	18	468	--	--	24	624	--
STH 11	26	103	2,678	15	390	30	780	79	2,054	14	364	--
STAGE 1b SUBTOTAL			2,678		624		1,248		2,054		988	--
STAGE 2a												
CTH H	50	47	2,350	14	700	28	1,400	3	150	28	1,400	--
STH 11	50	81	4,050	3	150	6	300	33	1,650	25	1,250	--
STAGE 2a SUBTOTAL			6,400		850		1,700		1,800		2,650	--
STAGE 2b												
CTH H	20	58	1,160	10	200	20	400	18	360	28	560	--
STH 11	20	86	1,720	2	40	4	80	31	620	27	540	--
STAGE 2b SUBTOTAL			2,880		240		480		980		1,100	--
STAGE 3a												
CTH H	41	43	1,763	16	656	32	1,312	8	328	28	1,148	--
STH 11	41	117	4,797	6	246	12	492	74	3,034	30	1,230	--
STAGE 3b SUBTOTAL			6,560		902		1,804		3,362		2,378	--
STAGE 3b												
CTH H	27	47	1,269	14	378	28	756	18	486	27	729	--
STH 11	27	104	2,808	16	432	32	864	71	1,917	30	810	--
STAGE 3b SUBTOTAL			4,077		810		1,620		2,403		1,539	--
STAGE 3c												
CTH H	20	43	860	16	320	32	640	8	160	28	560	--
STH 11	20	116	2,320	20	400	40	800	80	1,600	34	680	--
STAGE 3c SUBTOTAL			3,180		720		1,440		1,760		1,240	--
STAGE 3d												
CTH H	10	38	380	14	140	28	280	5	50	21	210	--
STH 11	10	108	1,080	8	80	16	160	40	400	21	210	--
STAGE 3d SUBTOTAL			1,460		220		440		450		420	--
UNDISTRIBUTED			--		--		--		--		--	35
PROJECT 1320-23-71 TOTAL			36,793		6,553		13,106		17,102		13,879	35

NOTE: SEE STAGE 4 TRAFFIC CONTROL ITEMS UNDER PROJECT ID 3760-00-71

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

^ FOR INFORMATION ONLY

DETOUR ITEMS

STAGE	DURATION	643.0900* TRAFFIC CONTROL SIGNS EACH^	643.0900* TRAFFIC CONTROL SIGNS DAYS	643.0920 TRAFFIC CONTROL CONVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL PCMS EACH^	643.1050 TRAFFIC CONTROL PCMS DAY
STAGE 1						
	107	86	9,202	--	3	321
STAGE 2 SUBTOTAL			9,202	--	3	321
STAGE 2						
	70	58	4,060	--	2	140
STAGE 2 SUBTOTAL			4,060	--	2	140
STAGE 3						
	98	58	5,684	--	2	196
STAGE 3 SUBTOTAL			5,684	--	2	196
UNDISTRIBUTED			--	10		--
PROJECT 1320-23-71 TOTAL			18,946	10		657

NOTE: SEE STAGE 4 DETOUR ITEMS UNDER PROJECT ID 3760-00-71
* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
^ FOR INFORMATION ONLY

TRAFFIC CONTROL

	643.5000 TRAFFIC CONTROL EACH
PROJECT 1320-23-71	0.33
PROJECT 1320-23-71 TOTAL	0.33

3

PAVEMENT MARKINGS

ROADWAY	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.5020 MARKING ARROW EPOXY (WHITE) EACH	646.5120 MARKING WORD EPOXY (WHITE) EACH	646.5220 MARKING SYMBOL EPOXY (WHITE) EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF	646.6220 MARKING YIELD LINE EPOXY 18-INCH (WHITE) EACH	646.7120 MARKING DIAGONAL EPOXY 12-INCH (YELLOW) LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE) LF	646.8120 MARKING CURB EPOXY YELLOW LF	646.8220 MARKING ISLAND NOSE EPOXY YELLOW EACH	SPV.0090.003 MARKING CONTRAST EPOXY 4-INCH SPECIAL (WHITE) LF	SPV.0090.003 MARKING CONTRAST EPOXY 4-INCH SPECIAL (YELLOW) LF	SPV.0090.004 MARKING CONTRAST EPOXY 8-INCH SPECIAL (WHITE) LF
STAGE 1														
CTH H	297	1,187	7	3	--	48	--	43	--	10	1	322	606	814
STAGE 1 SUBTOTAL	297	1,187	7	3	--	48	--	43	--	10	1	322	606	814
STAGE 2														
CTH H	--	--	19	6	--	48	--	259	--	10	1	673	1,990	2,172
STAGE 2 SUBTOTAL	--	--	19	6	--	48	--	259	--	10	1	673	1,990	2,172
STAGE 3														
CTH H	--	--	--	--	--	--	17	--	439	--	--	--	--	54
STH 11	25	101	17	11	2	100	16	16	466	20	2	2,257	705	2,053
STAGE 3 SUBTOTAL	25	101	17	11	2	100	33	16	905	20	2	2,257	705	2,107
STAGE 4														
CTH H	--	--	--	--	--	--	--	--	--	--	--	335	1,677	--
STAGE 4 SUBTOTAL	--	--	--	--	--	--	--	--	--	--	--	335	1,677	--
PROJECT 1320-23-71 TOTAL	1,610		43	20	2	196	33	318	905	40	4	8,565		5,093

TEMPORARY PAVEMENT MARKINGS

ROADWAY	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH 12.5-FT LINE (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH 3-FT LINE (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0550 TEMPORARY MARKING ARROW REMOVABLE TAPE (WHITE) EACH	649.0650 TEMPORARY MARKING WORD REMOVABLE TAPE (WHITE) EACH	649.0850 TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH (WHITE) LF
STAGE 1a								
CTH H	--	--	--	--	--	--	--	--
STH 11	--	542	782	73	--	--	--	34
STAGE 1a SUBTOTAL		1,324		73		--	--	34
STAGE 1b								
CTH H	--	--	914	38	--	--	--	25
STH 11	--	2,766	2,306	--	--	--	--	12
STAGE 1b SUBTOTAL		5,986		38		--	--	37
STAGE 2a								
CTH H	--	180	976	--	--	--	--	21
STH 11	348	2,019	4,692	--	1,198	6	2	105
STAGE 2a SUBTOTAL		8,215		1,198		6	2	126
STAGE 2b								
CTH H	--	841	318	--	544	3	1	36
STH 11	--	--	--	--	--	2	1	17
STAGE 2b SUBTOTAL		1,159		544		5	2	53
STAGE 3a								
CTH H	--	--	--	37	--	2	1	--
STH 11	121	2,423	6,424	--	460	6	--	36
STAGE 3a SUBTOTAL		8,968		497		8	1	36
STAGE 3b								
CTH H	--	--	--	--	--	--	--	18
STH 11	262	2,823	5,179	--	697	6	2	68
STAGE 3b SUBTOTAL		8,264		697		6	2	86
STAGE 3c								
CTH H	--	--	--	37	--	2	1	--
STH 11	121	1,958	6,426	--	876	8	1	76
STAGE 3c SUBTOTAL		8,505		913		10	2	76
STAGE 3d								
CTH H	--	--	--	--	--	--	--	--
STH 11	--	--	804	--	--	--	--	--
STAGE 3d SUBTOTAL		804		--		--	--	--
PROJECT 1320-23-71 TOTALS		43,225		3,960		35	9	448

SAWING PAVEMENT

ROADWAY	STATION			OFFSET	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
STAGE 1						
CTH H	907HN+88	-	908HN+56	LT	58	11
	908HN+56			RT/LT	136	10
	912HN+76	-	912HN+99	RT	24	--
	914HN+03	-	914HN+33	RT	30	--
	911HN+15			RT/LT	59	--
	917HN+32	-	917HN+62	LT	31	--
	921HN+49	-	921HN+73	RT	24	--
	922HN+00			RT/LT	57	--
STH 11	237STHE			RT/LT	83	19
	240STHE+17	-	244STHE+82	RT	543	--
	240STHE			RT/LT	91	19
	242STHE+50			LT	49	--
	242STHE+50			RT/LT	26	--
	246STHE+32	-	251STHE+18	RT/LT	486	--
STAGE 1 SUBTOTAL					1,697	59
STAGE 2						
CTH H	894HN+71			RT/LT	31	--
	895HN+17	-	895HN+33	RT	16	--
	895HN+24			LT	31	--
	896HN+09	-	896HN+91	LT	83	--
	900HN+36	-	901HN+86	LT	189	--
	900HN+89	-	901HN+28	RT	39	--
	900HN+96	-	901HN+18	LT	27	--
	926HN+20	-	926HN+92	LT	400	--
STAGE 2 SUBTOTAL					816	--
STAGE 3						
STH 11	235STHE+87	-	238STHE+83	LT	623	--
	236STHE+67	-	239STHE+41	LT	584	--
	240STHE+35	-	240STHE+99	LT	152	9
	240STHE+99	-	255STHE+25	RT/LT	1,487	--
	247STHE+76	-	248STHE+11	LT	35	--
	251STHE+34	-	251STHE+69	LT	37	--
	252STHE+43	-	256STHE+05	RT	284	--
	253STHE+98	-	254STHE+33	LT	42	--
	255STHE+25			RT/LT	53	--
STAGE 3 SUBTOTAL					3,297	9
STAGE 4						
CTH H	888HN+00			RT/LT	31	--
	889HN+60	-	889HN+72	RT	12	--
	890HN+10	-	890HN+43	LT	33	--
	893HN+55	-	893HN+97	RT	42	--
STAGE 4 SUBTOTAL					118	--
PROJECT 1320-23-71 TOTAL					5,928	68

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EXCAVATION BELOW SUBGRADE (EBS)

ROADWAY	SPV.0035.002 EBS EXCAVATION CY	SPV.0035.003 EBS BACKFILL CY
888HN+00 - 908HN+00	7,729	7,729
UNDISTRIBUTED	5,371	5,371
PROJECT 1320-23-71 TOTAL	13,100	13,100

EROSION CONTROL SPECIAL

ROADWAY	SPV.0060.002 TEMPORARY STONE DITCH CHECKS EACH	SPV.0060.003 SAND BAGS EACH	SPV.0060.004 TEMPORARY SEDIMENT TRAPS EACH	SPV.0060.005 EROSION CONTROL FILTER BAGS EACH
PROJECT 1320-23-71	40	50	6	5
PROJECT 1320-23-71 TOTAL	40	50	6	5

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MOBILIZATION EMERGENCY PAVEMENT REPAIR

ROADWAY	SPV.0060.008 MOBILIZATION EMERGENCY PAVEMENT REPAIR EACH
PROJECT 1320-23-71	22
PROJECT 1320-23-71 TOTAL	22

SECTION CORNER MONUMENTS

ROADWAY	SPV.0060.010 SECTION CORNER MONUMENTS EACH
PROJECT 1320-23-71	1
PROJECT 1320-23-71 TOTAL	1

PAVEMENT CLEANUP

ROADWAY	SPV.0075.001 PAVEMENT CLEANUP PROJECT 1320-23-71 HOURS
PROJECT 1320-23-71	480
PROJECT 1320-23-71 TOTAL	480

PORTABLE SPEED TRAILER

ROADWAY	SPV.0045.001 PORTABLE SPEED TRAILER DAY
PROJECT 1320-23-71	730
PROJECT 1320-23-71 TOTAL	730

INVASIVE SPECIES

LOCATION	SPV.0170.001 REMOVAL AND DISPOSAL OF INVASIVE PLANT SPECIES STA
UNDISTRIBUTED	5
PROJECT 1320-23-71 TOTAL	5

SURVEY PROJECT

ROADWAY	SPV.0105.001 SURVEY PROJECT (1320-23-71) LS
PROJECT 1320-23-71	1
PROJECT 1320-23-71 TOTAL	1

CONTROL OF WATER

ROADWAY	SPV.0105.005 CONTROL OF WATER PROJECT 1320-23-71 LS
PROJECT 1320-23-71	1
PROJECT 1320-23-71 TOTAL	1

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SANITARY SEWER ITEMS

CATEGORY	PROJECT	ROADWAY	STRUCTURE #	STATION	OFFSET	SPV.0060.012 FURNISH SANITARY MANHOLE COVER EACH	SPV.0060.013 RECONSTRUCT SANITARY MANHOLE EACH	SPV.0060.014 ADJUSTING SANITARY MANHOLE EACH	EXISTING ELEVATION	PROPOSED ELEVATION	ELEVATION DIFFERENCE
6000	1320-23-71										
		STH 11	1	236STHW+10	4.0'RT	--	--	1	744.22	744.84	0.62
			2	236STHW+88	2.0'LT	--	--	1	744.28	745.26	0.98
			3	239STHW+44	2.2'LT	--	--	1	744.50	744.90	0.40
			4	239STHW+65	24.9'RT	1	--	1	744.18	744.95	0.77
			5	240STHW+14	13.0'RT	--	--	1	743.93	744.35	0.42
			6	243STHW+61	15.0'RT	--	1	--	737.24	738.79	1.55
			7	247STHW+34	15.7'RT	1	--	1	732.96	733.00	0.04
			8	251STHW+10	27.3'RT	1	--	1	729.86	730.71	0.85
			9	251STHW+34	7.9'RT	1	--	1	729.87	730.73	0.86
			10	251STHW+36	40.3'LT	1	--	1	730.23	730.22	-0.01
			11	254STHW+20	15.4'RT	1	--	1	728.45	728.50	0.05
		CTH H	12	901HS+04	40.8'LT	--	--	1	739.25	739.59	0.34
					Totals	6	1	11			
1000	1320-23-71										
		CTH H	13	900HS+96	65.3'LT	--	--	1	738.81	739.03	0.22
					Totals	--	--	1			

CLEARING AND GRUBBING

ROADWAY	STATION BEGIN		STATION END	OFFSET	201.0105 CLEARING STA	201.0205 GRUBBING STA
STH 11	265STH+00	-	266STH+00	LT	1	1
	267STH+00	-	268STH+00	LT	1	1
PROJECT 1320-23-74 TOTAL					2	2

REMOVING CONCRETE SIDEWALK

ROADWAY	STATION BEGIN		STATION END	OFFSET	204.0155 REMOVING CONCRETE SIDEWALK SY
STH 11	274STH+17	-	274STH+24	RT	5
	274STH+45	-	274STH+60	RT	7
	274STH+17	-	274STH+25	LT	5
	274STH+38	-	274STH+54	LT	9
	275STH+67	-	275STH+83	RT	7
	275STH+95	-	276STH+03	RT	5
	275STH+61	-	275STH+77	LT	7
	275STH+95	-	276STH+03	LT	5
PROJECT 1320-23-74 TOTAL					50

REMOVING RIPRAP

ROADWAY	STATION		STATION	OFFSET	204.9180.S REMOVING RIPRAP SY
CTH H	98RD+12	-	98RD+32	LT	27
PROJECT 1320-23-74 TOTAL					27

REMOVING CURB AND GUTTER

STAGE	STATION BEGIN		STATION END	OFFSET	204.0150 REMOVING CURB & GUTTER LF
STH 11	265STH+15	-	265STH+66	RT	51
	266STH+98	-	267STH+48	RT	50
	267STH+91	-	268STH+48	RT	57
PROJECT 1320-23-74 TOTAL					158

FINISHING ROADWAY

ROADWAY	213.0100.002 FINISHING ROADWAY 1320-23-74 EACH
PROJECT 1320-23-74	1
PROJECT 1320-23-74 TOTAL	1

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Category	Division	From/To Station	Location	Excavation Common (CY) (1) 205.0100		Fill (CY) (6)	Roadway Embankment (CY) (3) SPV.0035.001	Mass Ordinate +/- (4) (7)	Comment:
				Cut (CY) (2)	Topsoil Removal (CY) (5)				
1000	1	263+17 - 274+00	STH 11 Sidewalk	474	0	629	629	-156	
		909+40 - 926+40	Willow Road Sidewalk	45	0	3	3	43	
	Project 1320-23-74 - Division 1 Subtotal			519	0		632	-113	
	Project 1320-23-74 - Division 1 Total			519			632	-113	
	Project 1320-23-74 Totals			**519**			**632**	**-113**	

1) Excavation Common = Cut + (Topsoil Removal + Excavation Below Subgrade). Item number 205.0100. See Topsoil Removal Detail.
2) Cut volume includes existing concrete and asphaltic surface material.
3) Roadway Embankment = (Fill + Topsoil Removal Replaced + Excavation Below Subgrade Replaced). Refer to Topsoil Removal Detail.
4) Mass Ordinate = Cut - Fill. The Mass Ordinate is for information purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes
5) Topsoil quantity below subgrade in cut sections and topsoil removal quantity in fill areas. Excess topsoil material assumed to be wasted offsite.
6) Fill quantitiy shown for reference.
7) The Mass Ordinate is calculated by division. A positive quantity indicates an excess of material within the Division and a negative quantity indicates a shortage of material within the Division.

SUBSTRUCTURE

ROADWAY	FROM STATION		TO STATION	OFFSET	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	623.0200 DUST CONTROL SURFACE TREATMENT CY	624.0100 WATER MGAL
STH 11	263STH+22	-	274STH+53	LT	141	634	3
	263STH+18	-	265STH+21	RT	25	113	1
	265STH+62	-	267STH+04	RT	18	79	--
	267STH+44	-	267STH+96	RT	6	29	--
	268STH+44	-	274STH+61	RT	102	457	2
	275STH+65	-	276STH+03	LT	5	23	--
	275STH+70	-	276STH+03	RT	5	21	--
	265STH+17	-	265STH+67	RT	25	74	1
	267STH+00	-	267STH+49	RT	27	81	1
	267STH+92	-	268STH+49	RT	35	106	1
	SUBTOTAL				389	1,618	9
	UNDISTRIBUTED				41	162	1
PROJECT 1320-23-74 TOTAL					430	1,780	10

CONCRETE PAVEMENT JOINT LAYOUT

ROADWAY	415.5110.S.002 CONCRETE PAVEMENT JOINT LAYOUT LS
PROJECT 1320-23-74	1
PROJECT 1320-23-74 TOTAL	1

CONCRETE PAVEMENT

ROADWAY	STATION			OFFSET	416.0160 CONCRETE DRIVEWAY 6-INCH SY
STH 11	265STH+17	-	265STH+67	RT	61
	267STH+00	-	267STH+49	RT	60
	267SHT+92	-	268STH+49	RT	94
PROJECT 1320-23-74 TOTAL					215

ASPHALT ITEMS

ROADWAY	STATION			OFFSET	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
STH 11	265STH+21	-	265STH+62	RT	2
	267STH+04	-	267STH+44	RT	4
	267STH+97	-	268STH+43	RT	2
PROJECT 1320-23-74 TOTALS					8

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GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS UNLESS OTHERWISE NOTED.
2) RIM ELEVATIONS ARE GIVEN AT THE CENTER OF STRUCTURE FOR INLET GRATES AND THE CENTER OF THE MANHOLE COVER FOR MANHOLES UNLESS OTHERWISE NOTED.
3) STRUCTURE DEPTH = RIM ELEVATION - INVERT - CASTING - 0.5 FT(RINGS AND MORTER) , EXCEPT MEDIAN INLETS.
4) FLAT TOP SLAB REQUIRED ON ALL MANHOLES WITH INLET COVERS.
5) SEE SPECIAL PROVISIONS FOR ADJUSTMENT RING REQUIREMENTS.
6) UNDERDRAINS TO BE PLACED IN 25 FEET IN EACH DIRECTION OF LOW POINT. PLACE UNDERDRAIN BETWEEN FLANKING INLETS AT LOW POINT.

STORM SEWER PIPE

FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE H.E. CLASS HE-IV 19X30-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE CLASS HE-IV 24X38-INCH LF	633.5200 MARKERS CULVERT END EACH
PROJECT 1320-23-74																				
EW80	274A	688.40	685.87	6.17%	--	--	--	--	--	--	--	41	--	--	--	--	--	--	--	
PROJECT 1320-23-74 TOTALS					--	--	--	--	--	--	--	41	--	--	--	--	--	--	--	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	520.1015 APRON ENDWALLS FOR CULVERT PIPE RCCP 15" EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE RCCP 24" EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE RCCP 36" EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE RCCP 24X38-INCH EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
PROJECT 1320-23-74															
EW80	267STHE+65.00	27.3' LT	688.77	--		1	--	--	--	--	--	--	--	--	--
274A	268STHE+11.75	32.5' LT	689.74	685.87	2.5	--	--	--	--	--	--	--	--	--	--
274	273STHE+39.00	77.8' RT	683.65	673.81	--	--	--	--	--	--	--	--	--	--	--
				PROJECT 1320-23-74 TOTALS		1	--	--	--	--	--	--	--	--	--

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STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	COMMENTS
PROJECT 1320-23-74													
EW80	267STHE+65.00	27.3' LT	688.77	--		--	--	--	--	--	--	--	--
274A	268STHE+11.75	32.5' LT	689.74	685.87	2.5	1	--	--	--	--	2	--	--
274	273STHE+39.00	77.8' RT	683.65	673.81	--	--	--	--	--	--	--	--	--
				PROJECT 1320-23-74 TOTALS		1	--	--	--	--	2	--	--

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FILE NAME: \PW\t1\cds\030201_mq.ppt PLOT DATE : 9/13/2019 10:12:25 AM PLOT BY : HNTB Corp PLOT NAME : 030201_mq22 PLOT SCALE : 1:1

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ADJUSTING MANHOLE

STRUCTURE ID	611.8110 ADJUSTING MANHOLE COVERS EACH	NOTES
PROJECT 1320-23-74		
274	1	ADJUST TO ELEVATION 683.65
PROJECT 1320-23-74 TOTALS	1	

3

CONCRETE SIDEWALK

ROADWAY	STATION	-	STATION	OFFSET	602.0410 CONCRETE SIDEWALK 5-INCH SF	602.0505 CURB RAMP DETECTABLE WARNING FIELD YELLOW SF	602.0605 CURB RAMP DETECTABLE WARNING FIELD RADIAL YELLOW SF
STH 11	263STH+18	-	265STH+21	RT	1,018	--	--
	263STH+22	-	274STH+53	LT	5,704	--	--
	265STH+62	-	267STH+04	RT	714	--	--
	267STH+44	-	267STH+96	RT	262	--	--
	268STH+44	-	274STH+61	RT	4,116	--	--
	274STH+21			LT	--	10	--
	274STH+22			RT	--	10	--
	274STH+50			LT	--	--	10
	274STH+57			RT	--	--	10
	275STH+65	-	276STH+03	LT	210	--	--
	275STH+70	-	276STH+03	RT	188	--	--
	275STH+69			LT	--	--	10
	275STH+74			RT	--	--	10
	276STH+00			LT	--	10	--
	276STH+00			RT	--	10	--
PROJECT 1320-23-74 TOTAL					12,212	40	40

3

RIPRAP

ROADWAY	STATION	OFFSET	APRON ENDWALL SIZE (in)	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE FABRIC TYPE HR SY
WILLOW ROAD	98RD+22	LT	INLET	13	27
PROJECT 1320-23-74 TOTAL				13	27

FENCE SAFETY

ROADWAY	616.0700.S FENCE SAFETY LF
UNDISTRIBUTED	1,500
PROJECT 1320-23-74 TOTAL	1,500

MOBILIZATION

ROADWAY	619.1000 MOBILIZATION EACH
PROJECT 1320-23-74	0.01
PROJECT 1320-23-74 TOTAL	0.01

FILE NAME: \PW\t1\cds\030201_mq.ppt PLOT DATE : 10/23/2019 3:43:44 PM PLOT BY : HNTB Corp PLOT NAME : 030201_mq41 PLOT SCALE : 1:1

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RESTORATION ITEMS

					SPV.0180.001	629.0205	630.0140	630.0200	630.0500
					TOPSOIL SPECIAL	FERTILIZER TYPE B	SEEDING MIXTURE NO. 40	SEEDING TEMPORARY	SEED WATER
ROADWAY	STATION			OFFSET	SY	CWT	LB	LB	MGAL
STH 11	263STH+17	-	265STH+20	RT	168	.3	3	5	4
	263STH+17	-	265STH+20	RT	59	.3	1	2	1
	263STH+21	-	274STH+18	LT	1,565	1.0	28	42	35
	263STH+21	-	274STH+52	LT	1,056	.8	19	29	24
	265STH+61	-	267STH+03	RT	62	.3	1	2	1
	265STH+61	-	267STH+03	RT	114	.3	2	3	3
	267STH+43	-	267STH+95	RT	51	.3	1	1	1
	267STH+43	-	267STH+95	RT	38	.3	1	1	1
	268STH+42	-	274STH+18	RT	603	.5	11	16	14
	268STH+42	-	274STH+18	RT	582	.5	10	16	13
	274STH+23	-	274STH+47	LT	14	.3	--	--	0
	274STH+23	-	274STH+53	RT	22	.3	--	1	0
	275STH+63	-	276STH+02	LT	30	.3	1	1	1
	275STH+69	-	276STH+02	RT	14	.3	--	--	0
	275STH+71	-	275STH+97	LT	13	.3	--	--	0
	275STH+74	-	275STH+97	RT	11	.3	--	--	0
WILLOW ROAD	97RD+43	-	98RD+02	LT	29	.3	1	1	1
	97RD+43	-	99RD+37	LT	87	.3	2	2	2
	98RD+41	-	99RD+30	LT	66	.3	1	2	1
SUBTOTAL					4,584	6.5	82	124	102
UNDISTRIBUTED					1,146	2.0	28	31	38
PROJECT 1320-23-74 TOTAL					5,730	8.5	110	155	140

3

EROSION CONTROL

ROADWAY	STATION			OFFSET	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
STH 11	263STH+17	-	265STH+20	RT	168	--	--
	263STH+17	-	265STH+20	RT	59	--	--
	263STH+21	-	274STH+18	LT	1,565	--	--
	263STH+21	-	274STH+52	LT	1,056	--	--
	265STH+61	-	267STH+03	RT	62	--	--
	265STH+61	-	267STH+03	RT	114	--	--
	265STH+75			35.5' LT	--	8	--
	267STH+43	-	267STH+95	RT	51	--	--
	267STH+43	-	267STH+95	RT	38	--	--
	267STH+60			26.9' LT	--	--	1
	268STH+42	-	274STH+18	RT	603	--	--
	268STH+42	-	274STH+18	RT	582	--	--
	270STH+20			69.9' RT	--	8	--
	270STH+46			76.0' RT	--	8	--
	272STH+82			79.0' RT	--	8	--
	274STH+11			72.3' LT	--	8	--
	274STH+23	-	274STH+47	LT	14	--	--
	274STH+23	-	274STH+53	RT	22	--	--
	275STH+63	-	276STH+02	LT	30	--	--
	275STH+69	-	276STH+02	RT	14	--	--
	275STH+71	-	275STH+97	LT	13	--	--
	275STH+74	-	275STH+97	RT	11	--	--
WILLOW ROAD	97RD+43	-	98RD+02	LT	29	--	--
	97RD+43	-	99RD+37	LT	87	--	--
	98RD+41	-	99RD+30	LT	66	--	--
STAGE 4 SUBTOTAL					4,584	40	1
UNDISTRIBUTED					1,146	10	--
PROJECT 1320-23-74 TOTAL					5,730	50	1

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SILT FENCE

ROADWAY	STATION			OFFSET	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
STH 11	263STH+17	-	265STH+20	RT	204	204
	263STH+21	-	274STH+55	LT	1,151	1,151
	265STH+61	-	267STH+03	RT	143	143
	267STH+43	-	267STH+95	RT	53	53
	268STH+42	-	274STH+44	RT	610	610
	275STH+59	-	276STH+07	LT	80	80
	275STH+65	-	276STH+07	RT	66	66
WILLOW ROAD	97RD+43	-	99STH+17	LT	178	178
SUBTOTAL					2,485	2,485
UNDISTRIBUTED					615	615
PROJECT 1320-23-74 TOTAL					3,100	3,100

INLET PROTECTION

ROADWAY	STATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH
STH 11	268STH+12	32.5' LT	1
PROJECT 1320-23-74 TOTAL			1

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TRAFFIC CONTROL ITEMS

ROADWAY	STAGE DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS EACH^	643.0300 TRAFFIC CONTROL DRUMS DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH^	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH^	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C EACH^	643.0715 TRAFFIC CONTROL WARNING LIGHTS TYPE C DAYS	643.0900* TRAFFIC CONTROL SIGNS EACH^	643.0900* TRAFFIC CONTROL SIGNS DAYS	643.0920* TRAFFIC CONTROL COVERING SIGNS TYPE II EACH^
STAGE 1												
STH 11	80	107	8,560	6	480	12	960	33	2,640	20	1,600	--
STAGE 1 SUBTOTAL			8,560		480		960		2,640		1,600	--
UNDISTRIBUTED			--		--		--		--		--	10
PROJECT 1320-23-74 TOTAL			8,560		480		960		2,640		1,600	10

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

^ FOR INFORMATION ONLY

TRAFFIC CONTROL

	643.5000 TRAFFIC CONTROL EACH
PROJECT 1320-23-74	0.33
PROJECT 1320-23-74 TOTAL	0.33

TEMPORARY PAVEMENT MARKINGS

ROADWAY	649.0150 TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE) LF	649.0250 TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE) LF	649.0550 TEMPORARY MARKING ARROW REMOVABLE TAPE (WHITE) EACH	649.0650 TEMPORARY MARKING WORD REMOVABLE TAPE (WHITE) EACH
STAGE 1				
STH 11	361	263	2	1
STAGE 1 SUBTOTAL	361	263	2	1
PROJECT 1320-23-74 TOTALS	361	263	2	1

PAVEMENT CLEANUP

ROADWAY	SPV.0075.002 PAVEMENT CLEANUP PROJECT 1320-23-74 HOURS
PROJECT 1320-23-74	100
PROJECT 1320-23-74 TOTAL	100

SURVEY PROJECT

ROADWAY	SPV.0105.002 SURVEY PROJECT (1320-23-74) LS
PROJECT 1320-23-74	1
PROJECT 1320-23-74 TOTAL	1

STH 11 & WILLOW RD/BUCYRUS ERIE ENT.
RACINE COUNTY
CATEGORY 3000
S51-0216

3

REMOVING CONCRETE BASES

	204.0195
	REMOVING
SIGNAL	CONCRETE BASES
BASE NO.	EACH
SB7	1
TOTAL	1

REMOVE TRAFFIC SIGNALS

	204.9105.S.302
	REMOVE
	TRAFFIC SIGNALS
LOCATION	L.S.
STH 11 & WILLOW RD/BUCYRUS ERIE ENT.	1
TOTAL	1

REMOVE PULL BOXES

	653.0905
	REMOVING
PULL BOX	PULL BOXES
NO.	EACH
PB6	1
TOTAL	1

STH 11 & WILLOW RD/BUCYRUS ERIE ENT.
RACINE COUNTY
CATEGORY 3000
S51-0216

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TRAFFIC SIGNAL FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.		658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH
1	7		1
6	7		1
		TOTAL	2

SIGNAL MOUNTING HARDWARE

LOCATION	658.5069.302 SIGNAL MOUNTING HARDWARE L.S.
STH 11 & WILLOW RD/BUCYRUS ERIE ENT.	1
TOTAL	1

POLES

SIGNAL BASE NO.	657.0255 TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH
SB7	1	1
TOTAL	1	1

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO		655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG L.F.
CB1	SB7		136
		TOTAL	136

TRAFFIC SIGNAL CABLE AND WIRE

FROM	TO		655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG L.F.
SB7	HEAD 1		19
SB7	HEAD 7		19
		TOTAL	38

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE L.F.
CB1	SB7 (HEAD A)	176
CB1	SB7 (HEAD B)	342
CB1	SB7 (HEAD C)	145
	TOTAL	663

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STH 11 & WILLOW RD/BUCYRUS ERIE ENT.
RACINE COUNTY
CATEGORY 3000
S51-0216

3

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PULL BOXES

PULL BOX NO.	LOCATION*	653.0140 PULL BOXES STEEL 24x42-INCH EACH
PB6	287+05.1, 10.8' LT	1
	TOTAL	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

CONCRETE BASES

SIGNAL BASE NO.	LOCATION*	654.0102 CONCRETE BASES TYPE 2 EACH
SB7	285+97.2, 6.8' LT	1
	TOTAL	1

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

CONDUIT

FROM	TO	652.0225 CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH L.F.	652.0615 CONDUIT SPECIAL 3-INCH L.F.
PB5	PB6		56
PB9	SB7	6	
	TOTAL	6	56

* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

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SIGNING REMOVALS

SIGN NUMBER	638.2602 REMOVING SIGNS TYPE II EACH	REMARKS
1000R	1	FOLDING STOP SIGN MOUNTED ON SIGNAL POLE SB7 AT STH 11 & WILLOW RD/BUCYRUS ERIE ENT
TOTAL	1	

PERMANENT SIGNING

SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE INCH X INCH	637.2215 SIGNS TYPE II REFLECTIVE H FOLDING SF	REMARKS
1000	R1-1-F	FOLDING STOP SIGN	36 X 36	7.26	MOUNTED ON SIGNAL POLE SB7 AT STH 11 & WILLOW RD/BUCYRUS ERIE ENT
TOTAL				7.26	

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TRANSPORT AND INSTALL STATE FURNISHED EMERGENCY VEHICLE PREEMPTION (EVP) DETECTOR HEADS

LOCATION	SPV.0105.303 TRANSPORT AND INSTALL STATE FURNISHED EVP DETECTOR HEADS L.S.
STH 11 & WILLOW RD / BUCYRUS ERIE ENT.	1
TOTAL	1

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CLEARING AND GRUBBING

STAGE	ROADWAY	STATION BEGIN		STATION END	OFFSET	201.0105 CLEARING STA	201.0205 GRUBBING STA
4	CTH H	861HN+00	-	862HN+00	LT	1	1
		869HN+00	-	871HN+00	RT	2	2
		869HS+00	-	874HS+00	LT	5	5
		872HN+00	-	877HN+00	RT	5	5
		875HS+00	-	876HS+00	LT	1	1
		878HN+00	-	887HN+00	RT	9	9
		882HS+00	-	884HS+00	LT	2	2
PROJECT 3760-00-71 TOTAL						25	25

REMOVING SMALL PIPE CULVERT

STAGE	ROADWAY	STATION BEGIN		STATION END	OFFSET	203.1000 REMOVING SMALL PIPE CULVERT EACH	TYPE
4	CTH H	861HS+21	-	861HS+59	LT	1	CMP
		861HN+24	-	861HN+55	RT	1	12-INCH CMP
		865HN+80	-	865HN+85	RT/LT	1	36-INCH PVC INSIDE 42-INCH CMP
		868HN+09	-	868HN+40	RT	1	CMP
		869HS+22	-	869HS+56	LT	1	CMCP
		872HN+31	-	872HN+61	RT	1	CMCP
		874HN+74	-	875HN+09	RT	1	CMCP
		876HN+35	-	876HN+59	RT	1	CMCP
		877HN+96	-	877HN+96	RT/LT	1	30-INCH CMP
		879HN+26	-	879HN+48	RT	1	CMP
		881HN+15	-	881HN+44	RT	1	CMP
		882HS+41	-	882HS+69	LT	1	CMP
		882HN+90	-	883HN+14	RT	1	CMP
		883HS+33	-	883HS+62	LT	1	CMP
PROJECT 3760-00-71 TOTAL						14	

REMOVING DRAINTILE

ROADWAY	204.9090.S.001 REMOVING UNDERDRAIN LF	204.9090.S.002 REMOVING DRAIN TILE LF
UNDISTRIBUTED	225	750
PROJECT 3760-00-71 TOTAL	225	750

FINISHING ROADWAY

ROADWAY	213.0100.004 FINISHING ROADWAY EACH
PROJECT 3760-00-71	1
PROJECT 3760-00-71 TOTAL	1

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Category	Division	From/To Station	Location	Excavation Common (CY) (1) 205.0100		Fill (CY) (6)	Roadway Embankment (CY) (3) SPV.0035.001	Mass Ordinate +/- (4) (7)	Comment:
				Cut (CY) (2)	Topsoil Removal (CY) (5)				
1000	4	857+69 - 888+00	CTH H	24,673	0	13,317	13,317	11,356	
			Pond P	5,017	0	2,491	2,491	2,526	
	Project 3760-00-71 - Division 1 Subtotal			29,690	0		15,808	13,882	
	Project 3760-00-71 - Division 1 Total			29,690			15,808	13,882	
1000	4		CTH H	0	12,068	0	12,068	0	
		ASPHALTIC REMOVAL	CTH H	494	0	0	494	494	
	Project 3760-00-71 - Division 1 Subtotal			494	12,068		12,562	0	
	Project 3760-00-71 - Division 1 Total			12,562			12,562	0	
	Project 3760-00-71 Totals			**42,252**			**28,370**	**13,882**	

1) Excavation Common = Cut + (Topsoil Removal + Excavation Below Subgrade). Item number 205.0100. See Topsoil Removal Detail.
2) Cut volume includes existing concrete and asphaltic surface material.
3) Roadway Embankment = (Fill + Topsoil Removal Replaced + Excavation Below Subgrade Replaced). Refer to Topsoil Removal Detail.
4) Mass Ordinate = Cut - Fill. The Mass Ordinate is for information purposes only as Common Excavation and Roadway Embankment are not balanced for quantity purposes
5) Topsoil quantity below subgrade in cut sections and topsoil removal quantity in fill areas. Excess topsoil material assumed to be wasted offsite.
6) Fill quantitiy shown for reference.
7) The Mass Ordinate is calculated by division. A positive quantity indicates an excess of material within the Division and a negative quantity indicates a shortage of material within the Division.

SUBSTRUCTURE

STAGE	ROADWAY	FROM STATION		TO STATION	OFFSET	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0110 BREAKER RUN TON	371.2000.S QMP BASE AGGREGATE DENSE 1 1/4 INCH COMPACTION EACH	623.0200 DUST CONTROL SURFACE TREATMENT CY	624.0100 WATER MGAL
4	CTH H	857HN+68	-	888HN+00	RT/LT	162	9,549	21,851	--	25,256	631
	SUBTOTAL					162	9,549	21,851	--	25,256	631
	UNDISTRIBUTED					16	955	2,199	8	2,534	69
	PROJECT 3760-00-71 TOTALS					180	10,510	24,050	8	27,790	700

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CONCRETE PAVEMENT

STAGE	ROADWAY	STATION			OFFSET	415.0100 CONCRETE PAVEMENT 10-INCH SY	415.1100 CONCRETE PAVEMENT HIGH EARLY STRENGTH 10-INCH SY	415.4100 CONCRETE PAVEMENT JOINT FILLING SY	416.0160 CONCRETE DRIVEWAY 6-INCH SY	416.1010 CONCRETE SURFACE DRAINS CY
4	CTH H	857HN+68	-	888HN+00	RT/LT	19,203	--	19,203	--	--
		858HN+51			RT	--	--	--	--	1
		859HN+86			RT	--	--	--	--	1
		861HN+74			RT	--	--	--	--	1
		863HN+25			RT	--	--	--	--	1
		866HN+66			RT	--	--	--	--	1
		867HN+73	-	868HN+17	RT	--	--	--	16	--
		870HN+17			RT	--	--	--	--	1
		870HN+52	-	870HN+74	RT	--	--	--	9	--
		871HN+20	-	871HN+40	RT	--	--	--	8	--
		872HN+35	-	872HN+63	RT	--	--	--	13	--
		874HN+77	-	875HN+06	RT	--	--	--	14	--
		876HN+35	-	876HN+61	RT	--	--	--	12	--
		876HN+82			RT	--	--	--	--	1
		879HN+26	-	879HN+48	RT	--	--	--	9	--
		879HN+84			RT	--	--	--	--	1
		879HN+98	-	880HN+28	RT	--	--	--	14	--
		880HN+52			RT	--	--	--	--	1
		881HN+14	-	881HN+44	RT	--	--	--	14	--
		882HN+00			RT	--	--	--	--	1
		882HN+86	-	883HN+16	RT	--	--	--	14	--
		883HN+88			RT	--	--	--	--	1
		884HN+62	-	884HN+90	RT	--	--	--	13	--
		885HN+99			RT	--	--	--	--	1
	SUBTOTAL					19,203	--	19,203	136	12
	UNDISTRIBUTED					--	100	--	--	--
	PROJECT 3760-00-71 TOTALS					19,203	100	19,203	136	12

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CONCRETE PAVEMENT JOINT LAYOUT

ROADWAY	415.5110.S.004 CONCRETE PAVEMENT JOINT LAYOUT LS
PROJECT 3760-00-71	1
PROJECT 3760-00-71 TOTALS	1

DRILLED DOWEL BARS

STAGE	STATION	OFFSET	LOCATION	416.0620 DRILLED DOWEL BARS EACH
4	857HN+68	RT/LT	CTH H	59
	888HN+00	RT/LT	CTH H	40
PROJECT 3760-00-71 TOTAL				99

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ASPHALT ITEMS

STAGE	ROADWAY	STATION			OFFSET	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	495.1000.S COLD PATCH TON
4	CTH H	870HN+57	-	870HN+69	RT	4	--
		874HN+82	-	875HN+01	RT	5	--
		879HN+31	-	879HN+43	RT	9	--
		882HN+91	-	883HN+11	RT	7	--
		884HN+67	-	884HN+85	RT	7	--
	UNDISTRIBUTED					--	200
PROJECT 3760-00-71 TOTALS						32	200

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GENERAL NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS UNLESS OTHERWISE NOTED.
2) RIM ELEVATIONS ARE GIVEN AT THE CENTER OF STRUCTURE FOR INLET GRATES AND THE CENTER OF THE MANHOLE COVER FOR MANHOLES UNLESS OTHERWISE NOTED.
3) STRUCTURE DEPTH = RIM ELEVATION - INVERT - CASTING - 0.5 FT(RINGS AND MORTER) , EXCEPT MEDIAN INLETS.
4) FLAT TOP SLAB REQUIRED ON ALL MANHOLES WITH INLET COVERS.
5) SEE SPECIAL PROVISIONS FOR ADJUSTMENT RING REQUIREMENTS.
6) UNDERDRAINS TO BE PLACED IN 25 FEET IN EACH DIRECTION OF LOW POINT. PLACE UNDERDRAIN BETWEEN FLANKING INLETS AT LOW POINT.

STORM SEWER PIPE

FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE H.E. CLASS HE-IV 19X30-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE CLASS HE-IV 24X38-INCH LF	633.5200 MARKERS CULVERT END EACH
PROJECT 3760-00-71																				
859	860	730.90	730.38	0.38%	--	--	--	--	--	--	--	--	--	136	--	--	--	--	--	
860	862	730.38	729.65	0.39%	--	--	--	--	--	--	--	--	--	187	--	--	--	--	--	
862	864D	729.65	729.16	0.39%	--	--	--	--	--	--	--	--	--	127	--	--	--	--	--	
864D	864	729.16	729.10	0.30%	--	--	--	--	--	--	--	--	--	20	--	--	--	--	--	
864	867	729.10	728.01	0.32%	--	--	--	--	--	--	--	--	--	345	--	--	--	--	--	
859D	859C	732.40	732.36	0.40%	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	
859C	859B	732.36	732.30	0.43%	--	--	--	14	--	--	--	--	--	--	--	--	--	--	--	
859B	859A	732.30	732.26	0.40%	--	--	--	10	--	--	--	--	--	--	--	--	--	--	--	
859A	859	732.26	732.08	0.46%	--	--	--	39	--	--	--	--	--	--	--	--	--	--	--	
860B	860A	731.84	731.73	0.48%	--	--	--	23	--	--	--	--	--	--	--	--	--	--	--	
860A	860	731.73	731.51	0.44%	--	--	--	50	--	--	--	--	--	--	--	--	--	--	--	
862B	862A	730.64	730.51	0.38%	--	--	--	--	--	--	--	34	--	--	--	--	--	--	--	
862A	862	730.51	730.40	0.37%	--	--	--	--	--	--	--	30	--	--	--	--	--	--	--	
864F	864E	730.12	730.00	0.38%	--	--	--	--	--	--	--	32	--	--	--	--	--	--	--	
864B	864A	730.05	729.94	0.35%	--	--	--	--	--	--	--	31	--	--	--	--	--	--	--	
864A	864	729.94	729.85	0.33%	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--	
864E	864A	730.01	729.94	0.35%	--	--	--	--	--	--	--	20	--	--	--	--	--	--	--	
867	869	728.01	725.86	1.08%	--	--	--	--	--	--	--	--	--	199	--	--	--	--	--	
870	869	721.06	720.36	0.39%	--	--	--	--	--	--	--	--	--	--	181	--	--	--	--	
872	870	721.64	721.06	0.38%	--	--	--	--	--	--	--	--	--	--	151	--	--	--	--	
EW29	EW30	723.96	723.23	0.47%	--	--	155	--	--	--	--	--	--	--	--	--	--	--	--	2
867B	867A	728.54	728.46	0.38%	--	--	--	21	--	--	--	--	--	--	--	--	--	--	--	--
867A	867	728.46	728.36	0.37%	--	--	--	27	--	--	--	--	--	--	--	--	--	--	--	--
870B	870A	726.88	726.82	0.46%	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--	--
870A	870	726.82	726.68	0.45%	--	--	--	31	--	--	--	--	--	--	--	--	--	--	--	--
869	869A	720.36	720.28	0.30%	--	--	--	--	--	--	27	--	--	--	--	--	--	--	--	--
869A	869B	720.28	720.20	0.38%	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--	--
869B	869D	720.20	720.10	0.37%	--	--	--	--	--	--	27	--	--	--	--	--	--	--	--	--
869D	EW31	720.10	719.76	0.33%	--	--	--	--	--	--	102	--	--	--	--	--	--	--	--	--
868A	868	719.40	719.25	0.79%	--	--	--	--	--	--	--	--	--	19	--	--	--	--	--	--
EW50	868A	719.47	719.40	0.88%	--	--	--	--	--	--	--	--	--	8	--	--	--	--	--	1
868	EW51	719.25	719.04	0.58%	--	--	--	--	--	36	--	--	--	--	--	--	--	--	--	--
873	872	722.87	721.64	0.49%	--	--	--	--	--	--	253	--	--	--	--	--	--	--	--	--
874A	873	723.07	722.87	0.41%	--	--	--	--	--	--	--	--	--	--	49	--	--	--	--	--
874B	874A	723.17	723.07	0.40%	--	--	--	--	--	--	--	--	--	--	25	--	--	--	--	--

STORM SEWER PIPE

FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	520.8000 CONCRETE COLLARS FOR PIPE EACH	522.0415 CULVERT PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	522.0436 CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0315 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH LF	608.0318 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH LF	608.0324 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH LF	608.0336 STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH LF	608.0415 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH LF	608.0418 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH LF	608.0424 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH LF	608.0436 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH LF	608.0460 STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 60-INCH LF	608.2419 STORM SEWER PIPE REINFORCED CONCRETE H.E. CLASS HE-IV 19X30-INCH LF	608.2424 STORM SEWER PIPE REINFORCED CONCRETE CLASS HE-IV 24X38-INCH LF	633.5200 MARKERS CULVERT END EACH
876	874B	723.43	723.17	0.46%	--	--	--	--	--	--	--	--	--	--	57	--	--	--	--
878D	876	724.23	723.43	0.39%	--	--	--	--	--	--	--	--	--	--	205	--	--	--	--
878	878D	726.74	726.51	0.31%	--	--	--	--	--	--	--	--	--	--	--	--	75	--	--
880F	878	727.13	726.74	0.31%	--	--	--	--	--	--	--	--	--	--	--	--	126	--	--
872B	872A	725.91	725.81	0.45%	--	--	--	22	--	--	--	--	--	--	--	--	--	--	--
872A	872	725.81	725.70	0.41%	--	--	--	27	--	--	--	--	--	--	--	--	--	--	--
873C	873B	724.21	724.08	0.42%	--	--	--	31	--	--	--	--	--	--	--	--	--	--	--
873B	873A	724.08	724.03	0.38%	--	--	--	13	--	--	--	--	--	--	--	--	--	--	--
872C	872B	726.01	725.91	0.38%	--	--	--	26	--	--	--	--	--	--	--	--	--	--	1
873A	873	724.03	723.92	0.35%	--	--	--	31	--	--	--	--	--	--	--	--	--	--	--
874E	EW45	725.32	725.24	0.40%	--	--	--	--	--	--	--	20	--	--	--	--	--	--	--
876A	876B	725.26	725.22	0.31%	--	--	--	--	--	--	--	13	--	--	--	--	--	--	--
876B	876C	725.22	725.09	0.43%	--	--	--	--	--	--	--	30	--	--	--	--	--	--	--
876C	EW34	725.09	725.02	0.44%	--	--	--	--	--	--	--	16	--	--	--	--	--	--	--
EW35	EW36	723.73	723.32	0.29%	--	--	--	--	--	--	--	--	--	--	--	--	--	139	2
878C	878B	727.38	727.28	0.37%	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--
878B	878A	727.28	727.24	0.40%	--	--	--	--	--	--	--	10	--	--	--	--	--	--	--
878A	878	727.24	727.15	0.33%	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--
880	880F	727.19	727.13	0.30%	--	--	--	--	--	--	--	--	--	--	--	--	20	--	--
880C	880	727.25	727.19	0.30%	--	--	--	--	--	--	--	--	--	--	--	--	20	--	--
882	880C	728.00	727.25	0.44%	--	--	--	--	--	--	--	--	--	--	--	--	170	--	--
884	882	728.57	728.00	0.30%	--	--	--	--	--	--	--	--	--	188	--	--	--	--	--
886	884	729.21	728.57	0.30%	--	--	--	--	--	--	--	--	--	211	--	--	--	--	--
888	886	729.81	729.21	0.30%	--	--	--	--	--	200	--	--	--	--	--	--	--	--	--
EW37	880A	727.05	726.76	1.00%	--	--	--	--	--	--	--	29	--	--	--	--	--	--	--
880A	EW38	726.76	726.56	0.83%	--	--	--	--	--	--	--	24	--	--	--	--	--	--	--
EW55	EW56	726.03	725.27	1.69%	--	45	--	--	--	--	--	--	--	--	--	--	--	--	2
EW1	EW2	728.59	728.17	2.00%	--	21	--	--	--	--	--	--	--	--	--	--	--	--	2
EW3	EW4	725.91	725.26	2.41%	--	27	--	--	--	--	--	--	--	--	--	--	--	--	2
EW5	EW6	724.53	724.18	0.85%	--	41	--	--	--	--	--	--	--	--	--	--	--	--	2
EW7	EW8	726.09	725.72	1.23%	--	30	--	--	--	--	--	--	--	--	--	--	--	--	2
EW9	EW10	728.50	728.10	1.21%	--	33	--	--	--	--	--	--	--	--	--	--	--	--	2
EW11	EW12	730.52	730.12	1.43%	--	28	--	--	--	--	--	--	--	--	--	--	--	--	2
PROJECT 3760-00-71 TOTALS					--	225	155	388	--	236	430	370	--	1440	668	--	411	139	20

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	520.1015 APRON ENDWALLS FOR CULVERT PIPE RCCP 15" EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE RCCP 24" EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE RCCP 36" EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE RCCP 24X38-INCH EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
PROJECT 3760-00-71															
859	858HN+51.51	73.5' LT	736.59	730.90	4.4	--	--	--	--	1	--	--	--	--	--
859A	858HN+51.18	35.0' LT	737.33	732.26	3.7	--	--	--	--	--	--	--	--	--	1
859B	858HN+51.09	25.' LT	737.45	732.30	3.8	--	--	--	--	--	--	--	--	--	1
859C	858HN+50.97	11.' LT	737.21	732.36	3.5	--	--	--	--	--	--	--	--	--	1
859D	858HN+50.88	1.0' LT	737.45	732.40	3.7	--	--	--	--	--	--	--	--	--	1
860	859HN+87.28	73.5' LT	735.61	730.38	3.9	--	--	--	--	1	--	--	--	--	--
860A	859HN+86.85	23.0' LT	736.11	731.73	3.0	--	--	--	--	--	--	--	--	1	--
860B	859HN+86.66	1.0' LT	736.46	731.84	3.3	--	--	--	--	--	--	--	--	--	1
862	861HN+74.45	65.1' LT	733.98	729.65	3.0	--	--	--	--	1	--	--	--	--	--
862A	861HN+74.19	35.0' LT	734.55	730.51	2.7	--	--	--	--	--	--	--	--	--	1
862B	861HN+73.9	1.0' LT	734.60	730.64	2.6	--	--	--	--	--	--	--	--	--	1
864D	863HN+04.29	59.8' LT	733.11	729.16	2.6	--	--	--	--	1	--	--	--	--	--
864E	863HN+04.56	32.8' LT	733.59	730.00	2.3	--	--	--	--	--	--	--	--	1	--
864F	863HN+04.57	1.0' LT	733.62	730.12	2.2	--	--	--	--	--	--	--	--	--	1
864	863HN+24.99	59.1' LT	733.09	729.10	2.7	--	--	--	--	1	--	--	--	--	--
864A	863HN+24.93	32.1' LT	733.57	729.94	2.3	--	--	--	--	--	--	--	--	1	--
864B	863HN+24.87	1.5' LT	733.57	730.05	2.2	--	--	--	--	--	--	--	--	1	--
EW29	866HN+00.00	108.7' LT	724.00	--	--	--	--	1	--	--	--	--	--	--	--
EW30	865HN+80.06	61.8' RT	723.19	--	--	--	--	1	--	--	--	--	--	--	--
867	866HN+68.06	48.4' LT	732.86	728.01	3.5	--	--	--	--	1	--	--	--	--	--
867A	866HN+67.22	21.9' LT	733.36	728.46	3.6	--	--	--	--	--	--	--	--	--	1
867B	866HN+66.55	1.0' LT	733.36	728.54	3.5	--	--	--	--	--	--	--	--	--	1
869	868HN+66.18	49.5' LT	731.86	720.36	10.2	--	--	--	--	--	--	1	--	--	--
869A	868HN+65.85	22.5' LT	732.35	720.28	10.7	--	--	--	--	--	1	--	--	--	--
869B	868HN+65.59	1.5' LT	732.35	720.20	10.8	--	--	--	--	--	1	--	--	--	--
869D	868HN+65.26	25.5' RT	731.87	720.10	10.4	--	--	--	--	--	1	--	--	--	--
EW31	868HN+63.97	135.7' RT	719.73	--	--	--	--	1	--	--	--	--	--	--	--
870	870HN+47.41	49.5' LT	730.96	721.06	8.6	--	--	--	--	--	1	--	--	--	--
870A	870HN+47.14	18.5' LT	731.57	726.82	3.4	--	--	--	--	--	--	--	--	1	--
870B	870HN+47.04	5.5' LT	731.57	726.88	3.4	--	--	--	--	--	--	--	--	1	--
872	871HN+98.88	49.5' LT	730.20	721.64	7.2	--	--	--	--	--	1	--	--	--	--
872A	871HN+98.65	23.0' LT	730.70	725.81	3.6	--	--	--	--	--	--	--	--	--	1
872B	871HN+98.46	1.0' LT	730.70	725.91	3.5	--	--	--	--	--	--	--	--	--	1
873	874HN+52.15	49.5' LT	728.93	722.87	4.7	--	--	--	--	--	1	--	--	--	--
873A	874HN+51.88	18.6' LT	729.56	724.03	4.2	--	--	--	--	--	--	--	--	1	--
873B	874HN+51.77	5.4' LT	729.55	724.08	4.1	--	--	--	--	--	--	--	--	1	--
873C	874HN+51.50	25.5' RT	728.94	724.21	3.4	--	--	--	--	--	--	--	--	1	--
874A	875HN+01.40	49.5' LT	728.75	723.07	4.3	--	--	--	--	--	1	--	--	--	--
872C	871HN+98.24	25.0' RT	730.22	726.01	2.9	--	--	--	--	--	--	--	--	--	1
874B	875HN+26.43	49.4' LT	728.76	723.17	4.3	--	--	--	--	--	1	--	--	--	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	COMMENTS
PROJECT 3760-00-71													
859	858HN+51.51	73.5' LT	736.59	730.90	4.4	--	--	1	--	--	--	--	--
859A	858HN+51.18	35.0' LT	737.33	732.26	3.7	--	--	--	1	--	--	--	--
859B	858HN+51.09	25.' LT	737.45	732.30	3.8	--	--	--	1	--	--	--	--
859C	858HN+50.97	11.' LT	737.21	732.36	3.5	--	--	1	--	--	--	--	--
859D	858HN+50.88	1.0' LT	737.45	732.40	3.7	--	--	1	--	--	--	--	--
860	859HN+87.28	73.5' LT	735.61	730.38	3.9	--	--	1	--	--	--	--	--
860A	859HN+86.85	23.0' LT	736.11	731.73	3.0	--	--	1	--	--	--	--	--
860B	859HN+86.66	1.0' LT	736.46	731.84	3.3	--	--	1	--	--	--	--	--
862	861HN+74.45	65.1' LT	733.98	729.65	3.0	--	--	1	--	--	--	--	--
862A	861HN+74.19	35.0' LT	734.55	730.51	2.7	--	--	1	--	--	--	--	--
862B	861HN+73.9	1.0' LT	734.60	730.64	2.6	--	--	1	--	--	--	--	--
864D	863HN+04.29	59.8' LT	733.11	729.16	2.6	--	--	1	--	--	--	--	--
864E	863HN+04.56	32.8' LT	733.59	730.00	2.3	--	--	1	--	--	--	--	--
864F	863HN+04.57	1.0' LT	733.62	730.12	2.2	--	--	1	--	--	--	--	--
864	863HN+24.99	59.1' LT	733.09	729.10	2.7	--	--	--	--	1	--	--	--
864A	863HN+24.93	32.1' LT	733.57	729.94	2.3	--	--	--	--	1	--	--	--
864B	863HN+24.87	1.5' LT	733.57	730.05	2.2	--	--	--	--	1	--	--	--
EW29	866HN+00.00	108.7' LT	724.00	--	--	--	--	--	--	--	--	--	--
EW30	865HN+80.06	61.8' RT	723.19	--	--	--	--	--	--	--	--	--	--
867	866HN+68.06	48.4' LT	732.86	728.01	3.5	--	--	1	--	--	--	--	--
867A	866HN+67.22	21.9' LT	733.36	728.46	3.6	--	--	1	--	--	--	--	--
867B	866HN+66.55	1.0' LT	733.36	728.54	3.5	--	--	1	--	--	--	--	--
869	868HN+66.18	49.5' LT	731.86	720.36	10.2	--	--	1	--	--	--	--	--
869A	868HN+65.85	22.5' LT	732.35	720.28	10.7	--	--	1	--	--	--	--	--
869B	868HN+65.59	1.5' LT	732.35	720.20	10.8	--	--	1	--	--	--	--	--
869D	868HN+65.26	25.5' RT	731.87	720.10	10.4	--	--	1	--	--	--	--	--
EW31	868HN+63.97	135.7' RT	719.73	--	--	--	--	--	--	--	--	--	--
870	870HN+47.41	49.5' LT	730.96	721.06	8.6	--	--	1	--	--	--	--	--
870A	870HN+47.14	18.5' LT	731.57	726.82	3.4	--	--	--	--	--	--	1	--
870B	870HN+47.04	5.5' LT	731.57	726.88	3.4	--	--	--	--	--	--	1	--
872	871HN+98.88	49.5' LT	730.20	721.64	7.2	--	--	1	--	--	--	--	--
872A	871HN+98.65	23.0' LT	730.70	725.81	3.6	--	--	1	--	--	--	--	--
872B	871HN+98.46	1.0' LT	730.70	725.91	3.5	--	--	1	--	--	--	--	--
873	874HN+52.15	49.5' LT	728.93	722.87	4.7	--	--	1	--	--	--	--	--
873A	874HN+51.88	18.6' LT	729.56	724.03	4.2	--	--	--	--	--	--	1	--
873B	874HN+51.77	5.4' LT	729.55	724.08	4.1	--	--	--	--	--	--	1	--
873C	874HN+51.50	25.5' RT	728.94	724.21	3.4	--	--	1	--	--	--	--	--
874A	875HN+01.40	49.5' LT	728.75	723.07	4.3	--	--	--	--	1	--	--	--
872C	871HN+98.24	25.0' RT	730.22	726.01	2.9	--	--	1	--	--	--	--	--
874B	875HN+26.43	49.4' LT	728.76	723.17	4.3	--	--	1	--	--	--	--	--

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	520.1015 APRON ENDWALLS FOR CULVERT PIPE RCCP 15" EACH	520.1024 APRON ENDWALLS FOR CULVERT PIPE RCCP 24" EACH	520.1036 APRON ENDWALLS FOR CULVERT PIPE RCCP 36" EACH	522.2624 APRON ENDWALLS FOR CULVERT PIPE RCCP 24X38-INCH EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH
874E	875HN+00.00	25.0' RT	728.75	725.32	2.1	--	--	--	--	--	--	--	--	1	--
876	875HN+83.48	47.8' LT	729.09	723.43	--	--	--	--	--	--	1	--	--	--	--
876A	875HN+50.19	17.8' LT	729.43	725.26	--	--	--	--	--	--	--	--	--	1	--
876B	875HN+50.08	4.7' LT	729.42	725.22	--	--	--	--	--	--	--	--	--	1	--
876C	875HN+49.82	25.0' RT	728.87	725.09	--	--	--	--	--	--	--	--	--	--	1
EW34	875HN+49.63	47.2' RT	725.00	--	--	1	--	--	--	--	--	--	--	--	--
EW35	878HN+00.0	95.3' LT	723.75	--	--	--	--	--	1	--	--	--	--	--	--
EW36	877HN+95.60	55.9' RT	723.30	--	--	--	--	--	1	--	--	--	--	--	--
878D	877HN+88.44	41.8' LT	731.42	724.23	5.9	--	--	--	--	1	--	--	--	--	--
878	878HN+63.71	39.6' LT	731.31	726.74	3.2	--	--	--	--	1	--	--	--	--	--
878A	878HN+63.47	12.5' LT	731.85	727.24	3.3	--	--	--	--	--	--	--	--	1	--
878B	878HN+63.39	2.0' LT	731.86	727.28	3.2	--	--	--	--	--	--	--	--	1	--
878C	878HN+63.15	25.0' RT	731.33	727.38	2.6	--	--	--	--	--	--	--	--	--	1
880F	879HN+89.50	39.5' LT	730.39	727.13	1.9	--	--	--	--	1	--	--	--	--	--
880	880HN+09.95	39.5' LT	730.37	727.19	1.8	--	--	--	--	1	--	--	--	--	--
880C	880HN+29.95	39.5' LT	730.39	727.25	1.8	--	--	--	--	1	--	--	--	--	--
EW38	879HN+90.60	48.6' RT	726.50	--	--	1	--	--	--	--	--	--	--	--	--
880A	880HN+09.61	25.0' RT	730.38	726.76	2.3	--	--	--	--	1	--	--	--	--	--
EW37	880HN+37.72	46.4' RT	727.09	--	--	1	--	--	--	--	--	--	--	--	--
882	882HN+00.44	39.5' LT	732.01	728.00	2.7	--	--	--	--	1	--	--	--	--	--
884	883HN+88.61	39.5' LT	734.04	728.57	4.1	--	--	--	--	1	--	--	--	--	--
886	885HN+99.78	39.5' LT	735.30	729.21	4.8	--	--	--	--	1	--	--	--	--	--
868A	867HN+84.14	265.1' RT	723.00	719.40	2.3	--	--	--	--	--	--	--	--	--	--
EW55	868HN+27.63	55.5' RT	726.13	--	--	1	--	--	--	--	--	--	--	--	--
EW56	867HN+70.18	60.5' RT	725.17	--	--	1	--	--	--	--	--	--	--	--	--
EW1	871HN+14.54	39.5' RT	728.71	--	--	1	--	--	--	--	--	--	--	--	--
EW2	871HN+48.03	42.0' RT	728.05	--	--	1	--	--	--	--	--	--	--	--	--
EW3	872HN+30.00	48.0' RT	726.06	--	--	1	--	--	--	--	--	--	--	--	--
EW4	872HN+69.48	51.0' RT	725.11	--	--	1	--	--	--	--	--	--	--	--	--
EW5	876HN+24.86	52.0' RT	724.58	--	--	1	--	--	--	--	--	--	--	--	--
EW6	876HN+77.62	56.5' RT	724.13	--	--	1	--	--	--	--	--	--	--	--	--
EW7	879HN+57.63	50.5' RT	726.17	--	--	1	--	--	--	--	--	--	--	--	--
EW8	879HN+15.17	54.5' RT	725.64	--	--	1	--	--	--	--	--	--	--	--	--
EW9	881HN+50.54	44.5' RT	728.57	--	--	1	--	--	--	--	--	--	--	--	--
EW10	881HN+05.15	45.5' RT	728.03	--	--	1	--	--	--	--	--	--	--	--	--
EW11	883HN+17.56	42.5' RT	730.60	--	--	1	--	--	--	--	--	--	--	--	--
EW50	867HN+95.41	256.7' RT	719.50	--	--	--	1	--	--	--	--	--	--	--	--
EW51	867HN+50.91	315.5' RT	719.00	--	--	--	1	--	--	--	--	--	--	--	--
EW45	875HN+16.30	45.9' RT	725.22	--	--	1	--	--	--	--	--	--	--	--	--
EW12	882HN+76.99	42.5' RT	730.04	--	--	1	--	--	--	--	--	--	--	--	--
				PROJECT 3760-00-71 TOTALS		18	2	3	2	15	9	1	--	14	15

STORM SEWER STRUCTURES

STRUCTURE NUMBER	STATION	OFFSET FT	RIM ELEV	LOWEST INVERT	STR DEPTH	611.3902 INLETS MEDIAN 2 GRATE EACH	611.0535 MANHOLE COVERS TYPE J -S EACH	611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.0642 INLET COVERS TYPE MS EACH	611.0654 INLET COVERS TYPE V EACH	COMMENTS
874E	875HN+00.00	25.0' RT	728.75	725.32	2.1	--	--	--	--	--	--	1	--
876	875HN+83.48	47.8' LT	729.09	723.43	--	--	--	1	--	--	--	--	--
876A	875HN+50.19	17.8' LT	729.43	725.26	--	--	--	--	--	--	--	1	--
876B	875HN+50.08	4.7' LT	729.42	725.22	--	--	--	--	--	--	--	1	--
876C	875HN+49.82	25.0' RT	728.87	725.09	--	--	--	1	--	--	--	--	--
EW34	875HN+49.63	47.2' RT	725.00	--	--	--	--	--	--	--	--	--	--
EW35	878HN+00.0	95.3' LT	723.75	--	--	--	--	--	--	--	--	--	--
EW36	877HN+95.60	55.9' RT	723.30	--	--	--	--	--	--	--	--	--	--
878D	877HN+88.44	41.8' LT	731.42	724.23	5.9	--	--	1	--	--	--	--	--
878	878HN+63.71	39.6' LT	731.31	726.74	3.2	--	--	1	--	--	--	--	--
878A	878HN+63.47	12.5' LT	731.85	727.24	3.3	--	--	--	--	--	--	1	--
878B	878HN+63.39	2.0' LT	731.86	727.28	3.2	--	--	--	--	--	--	1	--
878C	878HN+63.15	25.0' RT	731.33	727.38	2.6	--	--	1	--	--	--	--	--
880F	879HN+89.50	39.5' LT	730.39	727.13	1.9	--	--	1	--	--	--	--	--
880	880HN+09.95	39.5' LT	730.37	727.19	1.8	--	--	--	--	1	--	--	--
880C	880HN+29.95	39.5' LT	730.39	727.25	1.8	--	--	1	--	--	--	--	--
EW38	879HN+90.60	48.6' RT	726.50	--	--	--	--	--	--	--	--	--	--
880A	880HN+09.61	25.0' RT	730.38	726.76	2.3	--	--	--	--	--	--	1	--
EW37	880HN+37.72	46.4' RT	727.09	--	--	--	--	--	--	--	--	--	--
882	882HN+00.44	39.5' LT	732.01	728.00	2.7	--	--	1	--	--	--	--	--
884	883HN+88.61	39.5' LT	734.04	728.57	4.1	--	--	1	--	--	--	--	--
886	885HN+99.78	39.5' LT	735.30	729.21	4.8	--	--	1	--	--	--	--	--
868A	867HN+84.14	265.1' RT	723.00	719.40	2.3	1	--	--	--	--	2	--	--
EW55	868HN+27.63	55.5' RT	726.13	--	--	--	--	--	--	--	--	--	--
EW56	867HN+70.18	60.5' RT	725.17	--	--	--	--	--	--	--	--	--	--
EW1	871HN+14.54	39.5' RT	728.71	--	--	--	--	--	--	--	--	--	--
EW2	871HN+48.03	42.0' RT	728.05	--	--	--	--	--	--	--	--	--	--
EW3	872HN+30.00	48.0' RT	726.06	--	--	--	--	--	--	--	--	--	--
EW4	872HN+69.48	51.0' RT	725.11	--	--	--	--	--	--	--	--	--	--
EW5	876HN+24.86	52.0' RT	724.58	--	--	--	--	--	--	--	--	--	--
EW6	876HN+77.62	56.5' RT	724.13	--	--	--	--	--	--	--	--	--	--
EW7	879HN+57.63	50.5' RT	726.17	--	--	--	--	--	--	--	--	--	--
EW8	879HN+15.17	54.5' RT	725.64	--	--	--	--	--	--	--	--	--	--
EW9	881HN+50.54	44.5' RT	728.57	--	--	--	--	--	--	--	--	--	--
EW10	881HN+05.15	45.5' RT	728.03	--	--	--	--	--	--	--	--	--	--
EW11	883HN+17.56	42.5' RT	730.60	--	--	--	--	--	--	--	--	--	--
EW50	867HN+95.41	256.7' RT	719.50	--	--	--	--	--	--	--	--	--	--
EW51	867HN+50.91	315.5' RT	719.00	--	--	--	--	--	--	--	--	--	--
EW45	875HN+16.30	45.9' RT	725.22	--	--	--	--	--	--	--	--	--	--
EW12	882HN+76.99	42.5' RT	730.04	--	--	--	--	--	--	--	--	--	--
				PROJECT 3760-00-71 TOTALS		1	--	37	2	5	2	10	

PIPE UNDERDRAIN

ROADWAY	STRUCTURE NUMBER	SPV.0090.002 PIPE UNDERDRAIN 6-INCH SPECIAL LF
PROJECT 3760-00-71		
	864D	25
	864	50
	864A	50
	864E	25
	864B	50
	864F	25
	874E	50
	874A	50
	874	25
	874B	25
	880A	50
	880	50
	880C	25
	880F	25
PROJECT 3760-00-71 TOTALS		525

POND OUTLET STORM SEWER STRUCTURE

		SPV.0060.007 POND P OUTLET STORM SEWER STRUCTURE EACH
STA. 867HN+67.80, 276.32' RT	POND P	1
PROJECT 3760-00-71 TOTAL		1

PIPE GRATE

STATION	OFFSET	611.9800.S PIPE GRATE EACH
867HN+95.41	256.74' RT	1
PROJECT 3760-00-71 TOTAL		1

CURB & GUTTER ITEMS

STAGE	ROADWAY	STATION	-	STATION	OFFSET	601.0409 CONCRETE CURB AND GUTTER 30-INCH TYPE A LF	601.0555 CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE A LF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF
4	CTH H	857HS+68	-	858HS+60	--	--	92	--
		857HS+68	-	858HS+60	RT	--	92	--
		858HS+64			RT	--	--	84
		857HN+68	-	870HN+50	--	1,283	--	--
		857HS+68	-	870HS+50	RT	1,284	--	--
		857HN+68	-	888HN+00	RT	3,033	--	--
		857HS+68	-	888HS+00	LT	3,033	--	--
		870HN+54			LT	--	--	64
		871HN+41			LT	--	--	64
		871HN+44	-	874HN+56	--	313	--	--
		871HS+44	-	874HS+56	--	313	--	--
		874HN+59			LT	--	--	64
		875HN+42			LT	--	--	63
		875HN+46	-	878HN+67	--	322	--	--
		875HS+46	-	878HS+67	--	322	--	--
		878HN+71			LT	--	--	61
PROJECT 3760-00-71 TOTALS						9,903	184	400

CONCRETE SIDEWALK

STAGE	ROADWAY	STATION	-	STATION	OFFSET	602.0410 CONCRETE SIDEWALK 5-INCH SF
4	CTH H	857HS+68	-	858HS+60	RT	551
		857HN+68	-	859HN+24	LT	1,199
		870HN+40	-	870HN+50	LT	108
		871HN+41	-	871HN+55	LT	108
		874HN+46	-	874HN+56	LT	108
		875HN+46	-	875HN+56	LT	104
		877HN+65	-	878HN+67	LT	1,061
PROJECT 3760-00-71 TOTALS						3,239

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RIPRAP

STAGE	ROADWAY	STATION	OFFSET	APRON ENDWALL SIZE (in)	606.0200 RIPRAP MEDIUM CY	606.0300 RIPRAP HEAVY CY	645.0120 GEOTEXTILE FABRIC TYPE HR SY
4	CTH H	858HN+52	RT	SURFACE DRAIN	1	--	4
		859HN+86	RT	SURFACE DRAIN	1	--	4
		861HN+74	RT	SURFACE DRAIN	1	--	4
		863HN+25	RT	SURFACE DRAIN	1	--	4
		865HN+80	RT	36	5	--	16
		866HN+66	RT	SURFACE DRAIN	1	--	4
		867HN+51	RT	24	--	65	98
		868HN+64	RT	36	--	11	16
		870HN+17	RT	SURFACE DRAIN	1	--	4
		875HN+50	RT	15	3	--	9
		876HN+82	RT	SURFACE DRAIN	4	--	13
		877HN+96	RT	30	5	--	14
		879HN+84	RT	SURFACE DRAIN	4	--	11
		880HN+52	RT	SURFACE DRAIN	1	--	4
		882HN+00	RT	SURFACE DRAIN	1	--	4
		883HN+88	RT	SURFACE DRAIN	1	--	4
		885HN+99	RT	SURFACE DRAIN	1	--	4
PROJECT 3760-00-71 TOTALS					33	76	217

DRAIN TILE

ROADWAY	612.0700 DRAIN TILE EXPLORATION LF	SPV.0060.006 CONNECT DRAIN TILE
UNDISTRIBUTED	1,500	10
PROJECT 3760-00-71 TOTAL	1,500	10

MAINTENANCE AND REPAIR OF HAUL ROADS

ROADWAY	618.0100 MAINTENANCE AND REPAIR OF HAUL ROADS 3760-00-71 EACH
PROJECT 3760-00-71	1
PROJECT 3760-00-71 TOTAL:	1

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FENCE SAFETY

ROADWAY	616.0700.S FENCE SAFETY LF
UNDISTRIBUTED	1,500
PROJECT 3760-00-71 TOTAL	1,500

MOBILIZATION

ROADWAY	619.1000 MOBILIZATION EACH
PROJECT 3760-00-71	0.88
PROJECT 3760-00-71 TOTAL:	0.88

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RESTORATION ITEMS

						SPV.0180.001	629.0205	630.0140	630.0200	630.0500
						TOPSOIL SPECIAL	FERTILIZER TYPE B	SEEDING MIXTURE NO. 40	SEEDING TEMPORARY	SEED WATER
STAGE	ROADWAY	STATION			OFFSET	SY	CWT	LB	LB	MGAL
4	CTH H	857HN+68	-	870HN+57	RT	14,060	9.0	253	380	316
		857HN+68	-	888HN+00	LT	15,556	10.0	280		349
		859HN+24	-	870HN+40	LT	2,807	2.0	51	76	63
		870HN+69	-	871HN+25	RT	141	0.3	3	4	3
		871HN+35	-	872HN+40	RT	367	0.3	7	10	8
		871HN+54	-	874HN+46	LT	608	0.5	11	16	14
		872HN+58	-	874HN+82	RT	667	0.5	12	18	15
		875HN+01	-	876HN+40	RT	588	0.5	11	16	13
		875HN+56	-	877HN+65	LT	345	0.3	6	9	8
		876HN+56	-	879HN+31	RT	1,109	0.8	20	30	25
		879HN+43	-	880HN+03	RT	243	0.3	4	7	5
		880HN+23	-	881HN+19	RT	371	0.3	7	10	8
		881HN+39	-	882HN+91	RT	515	0.5	9	14	12
		883HN+11	-	884HN+67	RT	477	0.5	9	13	11
		884HN+85	-	888HN+00	RT	913	0.8	16	25	21
	CTH H SUBTOTAL					38,767	26.3	699	628	871
	UNDISTRIBUTED					9,693	7.0	181	162	229
PROJECT 3760-00-71 TOTALS						48,460	33.3	880	790	1,100

EROSION CONTROL

STAGE	ROADWAY	STATION	OFFSET	628.1104 EROSION BALES EACH	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
4	CTH H	857HN+68 - 870HN+57	RT	--	14,060	--	--
		857HN+68 - 888HN+00	LT	--	15,553	--	--
		859HN+24 - 870HN+40	LT	--	2,807	--	--
		859HN+36	47.6' RT	--	--	8	--
		859HN+61	102.8' LT	--	--	8	--
		860HN+69	50.4' RT	--	--	8	--
		861HN+47	99.0' LT	--	--	8	--
		861HN+88	53.7' RT	--	--	8	--
		862HN+48	96.0' LT	--	--	8	--
		862HN+95	58.5' RT	--	--	8	--
		863HN+55	100.4' LT	--	--	8	--
		863HN+97	67.2' RT	--	--	8	--
		864HN+55	105.4' LT	--	--	8	--
		865HN+00	64.7' RT	--	--	8	--
		865HN+16 - 866HN+38	RT	48	--	--	--
		865HN+56	109.0' LT	--	--	8	--
		866HN+00	114.2' LT	--	--	--	1
		866HN+27	104.9' LT	--	--	8	--
		866HN+28 - 866HN+46	RT	32	--	--	--
		867HN+01	66.6' RT	--	--	8	--
		867HN+08	66.6' RT	--	--	8	--
		867HN+65	94.9' LT	--	--	8	--
		868HN+97	85.2' LT	--	--	8	--
		869HN+24 - 869HN+61	RT	16	--	--	--
		869HN+57	45.7' RT	--	--	8	--
		870HN+69 - 871HN+25	RT	--	141	--	--
		871HN+04	40.1' RT	--	--	--	1
		871HN+32	79.6' LT	--	--	8	--
		871HN+35 - 872HN+40	RT	--	367	--	--
		871HN+54 - 874HN+46	LT	--	608	--	--
		872HN+18	42.9' RT	--	--	--	1
		872HN+58 - 874HN+82	RT	--	667	--	--
		873HN+16 - 873HN+76	RT	24	--	--	--
		873HN+51 - 875HN+31	LT	72	--	--	--
		873HN+99	45.9' RT	--	--	8	--

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EROSION CONTROL

STAGE	ROADWAY	STATION	OFFSET	628.1104 EROSION BALES EACH	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	628.7504 TEMPORARY DITCH CHECKS LF	628.7555 CULVERT PIPE CHECKS EACH
		874HN+27	51.9' RT	--	--	--	1
		875HN+01 - 876HN+40	RT	--	588	--	--
		875HN+51	85.9' LT	--	--	8	--
		875HN+56 - 877HN+65	LT	--	345	--	--
		876HN+17	49.1' RT	--	--	--	1
		876HN+56 - 879HN+31	RT	--	1,109	--	--
		876HN+98	58.3' RT	--	--	8	--
		877HN+48 - 878HN+28	RT	32	--	--	--
		877HN+64	92.8' LT	--	--	8	--
		878HN+00	101.9' LT	--	--	--	1
		878HN+29	92.3' LT	--	--	8	--
		878HN+81	53.6' RT	--	--	8	--
		879HN+32	80.6' LT	--	--	8	--
		879HN+43 - 880HN+03	RT	--	240	--	--
		879HN+68	50.2' RT	--	--	--	1
		880HN+23 - 881HN+19	RT	--	371	--	--
		880HN+43	49.3' RT	--	--	--	1
		880HN+43	71.1' LT	--	--	8	--
		881HN+39 - 882HN+91	RT	--	515	--	--
		881HN+55	67.4' LT	--	--	8	--
		881HN+61	45.5' RT	--	--	--	1
		882HN+18	43.3' RT	--	--	8	--
		882HN+58	64.6' LT	--	--	8	--
		883HN+11 - 884HN+67	RT	--	477	--	--
		883HN+29	45.6' RT	--	--	--	1
		884HN+03	42.1' RT	--	--	8	--
		884HN+85 - 888HN+00	RT	--	913	--	--
		886HN+20 - 886HN+99	RT	32	--	--	--
		885HN+78	44.1' RT	--	--	8	--
		887HN+43	50.7' RT	--	--	8	--
CTH H SUBTOTAL				256	38,761	264	10
UNDISTRIBUTED				64	9,689	66	3
PROJECT 3760-00-71 TOTALS				320	48,450	330	13

3

SILT FENCE

STAGE	ROADWAY	STATION			OFFSET	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF	SPV.0090.001 HEAVY DUTY SILT FENCE LF
4	CTH H	857HN+68	-	865HN+16	RT	752	752	--
		860HN+00	-	869HN+00	LT	904	904	--
		865HN+16	-	866HN+55	RT	--	--	225
		866HN+55	-	867HN+09	RT	242	242	--
		867HN+22	-	869HN+24	RT	293	293	--
		869HN+24	-	869HN+48	RT	--	--	38
		869HN+48	-	870HN+57	RT	449	449	--
		870HN+69	-	871HN+25	RT	55	55	--
		871HN+35	-	872HN+40	RT	109	109	--
		872HN+58	-	873HN+18	RT	62	62	--
		873HN+00	-	873HS+50	LT	51	51	--
		873HN+18	-	873HN+76	RT	--	--	64
		873HN+43	-	875HN+30	LT	--	--	182
		873HN+76	-	874HN+85	RT	111	111	--
		874HN+98	-	876HN+40	RT	137	137	--
		875HN+30	-	880HN+50	LT	524	524	--
		876HN+56	-	877HN+50	RT	90	90	--
		877HN+50	-	878HN+31	RT	--	--	81
		878HN+31	-	879HN+31	RT	95	95	--
		879HN+43	-	880HN+03	RT	55	55	--
		880HN+23	-	881HN+21	RT	93	93	--
		881HN+37	-	882HN+91	RT	151	151	--
		883HN+08	-	884HN+69	RT	160	160	--
		884HN+81	-	886HN+18	RT	135	135	--
		886HN+18	-	886HN+99	RT	--	--	82
		886HN+99	-	888HN+00	RT	101	101	--
CTH H SUBTOTAL						4,569	4,569	672
UNDISTRIBUTED						1,181	1,181	168
PROJECT 3760-00-71 TOTALS						5,750	5,750	840

FILE NAME: \PW\t1\cds\030201_mq.ppt PLOT DATE : 10/17/2019 1:56:20 PM PLOT BY : HNTB Corp PLOT NAME : 030201_mq55 PLOT SCALE : 1:1

INLET PROTECTION

STAGE	ROADWAY	STATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH	628.7020 INLET PROTECTION TYPE D EACH
4	CTH H	857HN+62	82.6' LT	--	1
		857HN+64	34.8' LT	--	1
		857HN+64	25.3' LT	--	1
		857HN+64	11.3' LT	--	1
		857HN+64	1.3' LT	--	1
		857HN+64	39.0' RT	--	1
		858HN+51	73.3' LT	1	1
		858HN+51	35.3' LT	1	1
		858HN+51	25.2' LT	1	1
		858HN+51	11.2' LT	1	1
		858HN+51	1.3' LT	1	1
		859HN+87	73.5' LT	1	1
		859HN+87	23.7' LT	1	1
		859HN+87	1.0' LT	1	1
		861HN+74	1.3' LT	1	1
		861HN+75	65.3' LT	1	1
		861HN+75	35.2' LT	1	1
		862HN+05	60.1' LT	1	1
		862HN+05	33.5' LT	1	1
		862HN+05	1.3' LT	1	1
		862HN+25	59.3' LT	1	1
		862HN+25	32.8' LT	1	1
		862HN+25	1.2' LT	1	1
		866HN+67	1.3' LT	1	1
		866HN+68	48.6' LT	1	1
		866HN+68	22.1' LT	1	1
		868HN+65	25.5' RT	1	1
		868HN+66	49.7' LT	1	1
		868HN+66	22.6' LT	1	1
		868HN+66	0.9' LT	1	1

3

INLET PROTECTION

ROADWAY	STATION	OFFSET	628.7005 INLET PROTECTION TYPE A EACH	628.7020 INLET PROTECTION TYPE D EACH
	870HN+47	6.0' LT	1	1
	870HN+47	18.0' LT	1	1
	870HN+47	49.5' LT	1	1
	871HN+98	25.0' RT	1	1
	871HN+99	49.8' LT	1	1
	871HN+99	23.3' LT	1	1
	871HN+99	1.2' LT	1	1
	874HN+52	24.8' RT	1	1
	874HN+52	18.1' LT	1	1
	874HN+52	6.0' LT	1	1
	874HN+52	49.5' LT	1	1
	875HN+02	49.7' LT	1	1
	875HN+00	25.2' RT	1	1
	875HN+27	49.7' LT	1	1
	875HN+50	24.8' RT	1	1
	875HN+50	4.9' LT	1	1
	875HN+50	17.4' LT	1	1
	875HN+84	48.0' LT	1	1
	876HN+89	41.8' LT	1	1
	878HN+63	25.0' RT	1	1
	878HN+63	11.9' LT	1	1
	878HN+63	2.5' LT	1	1
	878HN+64	39.6' LT	1	1
	879HN+90	39.5' LT	1	1
	880HN+09	25.0' RT	1	1
	880HN+10	39.8' LT	1	1
	880HN+30	39.8' LT	1	1
	882HN+01	39.8' LT	1	1
	883HN+89	39.8' LT	1	1
	886HN+00	39.8' LT	1	1
PROJECT 3760-00-71 TOTALS			54	60

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TRACKING PADS

	628.7560
	TRACKING PADS
PROJECT 3760-00-71	EACH
UNDISTRIBUTED	10
PROJECT 3760-00-71 TOTAL	10

PERMANENT SIGNING

						637.2210	637.2230		634.0618
				SIGN SIZE		SIGNS TYPE II REFLECTIVE H	SIGNS TYPE II REFLECTIVE F	SIGN MOUNTED ON SAME POST AS	POSTS WOOD 4X6-INCH X 18-FT
STAGE	SIGN NUMBER	SIGN CODE	SIGN MESSAGE	INCH	X INCH	SF	SF	SIGN #	EACH
4	001	R5-1A	WRONG WAY	36	X 24	6	--	002	1
	002	R3-20LL	BEGIN LEFT TURN LANE	24	X 36	6	--	001	--
	003	J4-1	CTH H WAYFINDING	24	X 36	6	--		1
	004	R3-20L	BEGIN LEFT TURN LANE	24	X 36	6	--		1
	005	R2-1	SPEED LIMIT 35	24	X 30	5	--		1
	006	W3-3	TRAFFIC CONTROL AHEAD	36	X 36	--	9		1
	007	W3-3	TRAFFIC CONTROL AHEAD	36	X 36	--	9		1
	008	R4-7	KEEP RIGHT	24	X 30	5	--		1
	009	R4-7	KEEP RIGHT	24	X 30	5	--		1
	010	R4-7	KEEP RIGHT	24	X 30	5	--		1
	011	R4-7	KEEP RIGHT	24	X 30	5	--		1
	012	R4-7	KEEP RIGHT	24	X 30	5	--		1
	013	R3-9D	END	24	X 6	1	--	014	1
	014	R3-9B	TWO-WAY LEFT TURN ONLY	24	X 36	6	--	013	--
	015	R3-9C	BEGIN	24	X 6	1	--	016, 017	1
	016	R3-9B	TWO-WAY LEFT TURN ONLY	24	X 36	6	--	015, 017	--
	017	R5-1A	DO NOT ENTER	30	X 30	6.25	--	015, 016	--
	018	R2-1	SPEED LIMIT 35	24	X 30	5	--		1
	019	R2-1	SPEED LIMIT 35	24	X 30	5	--		1
PROJECT 3760-00-71 TOTALS						84.30	18.00		15

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SIGN REMOVAL

STAGE	SIGN NUMBER	STATION	LOCATION	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORT EACH	SIGN MOUNTED ON SAME POST AS SIGN #	REMARKS
4	001R			1	1		LANE ENDS
	002R			1	1		DIVIDED HIGHWAY ENDS
	003R			1	1		SPEED LIMIT 35
	004R			1	1		SPEED LIMIT 35
	005R			1	1		TWO WAY TRAFFIC
	006R			1	1		ADVANCE TRAFFIC CONTROL (WITH 2 FLAGS)
	007R			1	1		DIVIDED HIGHWAY BEGINS
	008R			1	1		REDUCE SPEED LIMIT 35 AHEAD
	009R			1	1		SPEED LIMIT 45
	010R			1	1		SPEED LIMIT 35
	011R			1	1		NO PARKING ANYTIME
	012R			1	1		NO PARKING ANYTIME
	013R			1	1		NO PARKING ANYTIME
PROJECT 3760-00-71 TOTALS				13	13		

3

TRAFFIC CONTROL ITEMS

ROADWAY	STAGE DURATION DAYS	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH^	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAYS	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH^	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAYS	643.0900* TRAFFIC CONTROL SIGNS EACH^	643.0900* TRAFFIC CONTROL SIGNS DAYS	643.0920* TRAFFIC CONTROL COVERING SIGNS TYPE II EACH^
STAGE 4								
CTH H	89	11	979	22	1,958	4	356	--
STAGE 4 SUBTOTAL			979		1,958		356	--
UNDISTRIBUTED			--		--		--	35
PROJECT 3760-00-71 TOTAL			979		1,958		356	35

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
^ FOR INFORMATION ONLY

DETOUR ITEMS

STAGE	DURATION	643.0900* TRAFFIC CONTROL SIGNS EACH^	643.0900* TRAFFIC CONTROL SIGNS DAYS	643.092 TRAFFIC CONTROL CONVERING SIGNS TYPE II EACH	643.1050 TRAFFIC CONTROL PCMS EACH^	643.1050 TRAFFIC CONTROL PCMS DAY
STAGE 4						
	30	58	1,740	--	2	60
STAGE 4 SUBTOTAL			1,740	--	2	60
UNDISTRIBUTED			--	10		--
PROJECT 3760-00-71 TOTAL			1,740	10		60

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
^ FOR INFORMATION ONLY

TRAFFIC CONTROL

	643.5000 TRAFFIC CONTROL EACH
PROJECT 3760-00-71	0.33
PROJECT 3760-00-71 TOTAL	0.33

FILE NAME: \PW\t1\cds\030201_mq.ppt PLOT DATE : 10/17/2019 1:56:20 PM PLOT BY : HNTB Corp PLOT NAME : 030201_mq59 PLOT SCALE : 1:1

PAVEMENT MARKINGS

STAGE	ROADWAY	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.5020 MARKING ARROW EPOXY (WHITE) EACH	646.5120 MARKING WORD EPOXY (WHITE) EACH	646.6120 MARKING STOP LINE EPOXY 18-INCH* (WHITE) LF	SPV.0090.003 MARKING CONTRAST EPOXY 4-INCH SPECIAL (WHITE) LF	SPV.0090.003 MARKING CONTRAST EPOXY 4-INCH SPECIAL (YELLOW) LF	SPV.0090.004 MARKING CONTRAST EPOXY 8-INCH SPECIAL (WHITE) LF	SPV.0090.004 MARKING CONTRAST EPOXY 8-INCH SPECIAL (YELLOW) LF
4	CTH H	--	--	10	2	--	1,516	2,372	689	--
PROJECT 3760-00-71 TOTALS		--		10	2	--	3,888		689	

SAWING PAVEMENT

STAGE	ROADWAY	STATION			OFFSET	690.0150 SAWING ASPHALT LF
4	CTH H	857HN+68			RT/LT	123
		870HN+57	-	870HN+69	RT	12
		874HN+85	-	874HN+98	RT	13
		879HN+31	-	879HN+43	RT	12
		882HN+91	-	883HN+08	RT	17
		884HN+69	-	884HN+81	RT	12
PROJECT 3760-00-71 TOTAL						189

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EXCAVATION BELOW SUBGRADE (EBS)

ROADWAY	645.0220 GEOGRID TYPE SR SY	SPV.0035.002 EBS EXCAVATION CY	SPV.0035.003 EBS BACKFILL CY
864HN+75 - 866HN+75	1,470	3,881	3,881
873HN+00 - 875HN+00	1,195	2,326	2,326
UNDISTRIBUTED	--	2,993	2,993
PROJECT 3760-00-71 TOTAL	2,665	9,200	9,200

EROSION CONTROL SPECIAL

ROADWAY	SPV.0060.002 TEMPORARY STONE DITCH CHECKS EACH	SPV.0060.003 SAND BAGS EACH	SPV.0060.004 TEMPORARY SEDIMENT TRAPS EACH	SPV.0060.005 EROSION CONTROL FILTER BAGS EACH
PROJECT 3760-00-71	40	50	6	5
PROJECT 3760-00-71 TOTAL	40	50	6	5

3

MOBILIZATION EMERGENCY PAVEMENT REPAIR

ROADWAY	SPV.0060.008 MOBILIZATION EMERGENCY PAVEMENT REPAIR EACH
PROJECT 3760-00-71	10
PROJECT 3760-00-71 TOTAL	10

SECTION CORNER MONUMENTS

ROADWAY	SPV.0060.010 SECTION CORNER MONUMENTS EACH
PROJECT 3760-00-71	1
PROJECT 3760-00-71 TOTAL	1

PAVEMENT CLEANUP

ROADWAY	SPV.0075.004 PAVEMENT CLEANUP PROJECT 3760-00-71 HOURS
PROJECT 3760-00-71	210
PROJECT 3760-00-71 TOTAL	210

SURVEY PROJECT

ROADWAY	SPV.0105.004 SURVEY PROJECT (3760-00-71) LS
PROJECT 3760-00-71	1
PROJECT 3760-00-71 TOTAL	1

CONTROL OF WATER

ROADWAY	SPV.0105.008 CONTROL OF WATER PROJECT 3760-00-71 LS
PROJECT 3760-00-71	1
PROJECT 3760-00-71 TOTAL	1

INVASIVE SPECIES

LOCATION	SPV.0170.001 REMOVAL AND DISPOSAL OF INVASIVE PLANT SPECIES STA
UNDISTRIBUTED	5
PROJECT 3760-00-71 TOTAL	5

SUMMARY OF STATE FURNISHED MATERIALS - FOR INFORMATION ONLY

QUANTITY	UNIT	DESCRIPTION
1	EACH	TRAFFIC SIGNAL CABINET WITH CONTROLLER
1	EACH	POLES TYPE 9S
3	EACH	POLES TYPE 12
1	EACH	MONOTUBE ARMS 45 FT
3	EACH	MONOTUBE ARMS 55 FT
4	EACH	EVP DETECTOR HEADS WITH CONFIRMATION BEACONS (HEADS A, B, C, D)
1	EACH	ETHERNET SWITCH

REMOVING PULL BOXES AND CONCRETE BASES

EXISTING BASE NO.	204.0195 REMOVING CONCRETE BASES EACH
CB1	1
SB1	1
SB2	1
SB3	1
SB4	1
SB5	1
SB6	1
SB7	1
SB8	1
SB9	1
SB10	1
TOTAL	11

EXISTING PULL BOX NO.	653.0905 REMOVING PULL BOXES EACH
PB1	1
PB2	1
PB3	1
PB4	1
PB5	1
PB6	1
PB7	1
PB8	1
PB9	1
PB10	1
PB11	1
PB12	1
PB13	1
PB14	1
PB17	1
PB18	1
PB19	1
PB20	1
PB21	1
TOTAL	19

STH 11 & CTH H

ALL ITEMS ARE CATEGORY 4000 UNLESS OTHERWISE NOTED

3

TRAFFIC SIGNAL REMOVALS
STH 11 & CTH H

LOCATION	204.9105.S.301 REMOVING TRAFFIC SIGNALS LS	204.9105.S.303 REMOVE LOOP DETECTOR WIRE AND LEAD-IN CABLE LS
STH 11 & CTH H	1	1
TOTAL	1	1

WISCONSIN
JASON R. MATSON
E-37111
WAUKESHA, WI
PROFESSIONAL ENGINEER
06/01/2019

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PLOT DATE : 8/1/2019 1:40:33 PM PLOT BY : HNTB PLOT NAME : 030241_mq_sp1 PLOT SCALE : 1:1

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CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
CB1	PB1	--	30
PB1	PB2	--	159
PB2	PB3	--	86
PB2	PB34	122	--
PB34	PB35	150	--
PB2	PB4	--	156
PB4	PB5	25	--
PB4	PB6	--	112
PB6	PB7	15	--
PB6	PB8	--	154
PB8	PB9	--	30
PB9	PB10	22	--
PB8	PB11	--	148
PB11	PB36	156	--
PB11	PB12	--	154
PB12	PB13	22	--
PB12	PB14	--	88
PB14	PB15	18	--
PB14	PB16	--	172
PB16	PB17	--	29
PB16	PB18	--	150
PB18	PB37	127	--
PB37	PB38	150	--
PB18	PB19	--	138
PB19	PB20	80	--
PB19	PB21	--	48
PB21	PB22	22	--
PB21	PB23	--	114
PB23	PB24	20	--
PB23	PB25	--	150
PB25	PB26	--	34
PB26	PB27	21	--
PB25	PB28	--	102
PB28	PB39	171	--
PB28	PB29	--	166
PB29	PB30	21	--
PB29	PB31	--	92
PB31	PB32	20	--
PB31	PB33	--	165
PB33	CB1	--	30
	SUBTOTALS	1162	2507

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3-INCH LF
PB1	SB1	23	--
PB3	SB2	12	--
PB3	SB3	--	22
PB5	SB4	14	--
PB8	SB5	11	--
PB9	SB6	10	--
PB9	SB7	--	19
PB13	SB8	9	--
PB16	SB9	11	--
PB17	SB10	8	--
PB17	SB11	--	24
PB20	SB12	10	--
PB22	SB13	14	--
PB25	SB14	11	--
PB26	SB15	13	--
PB26	SB16	--	19
PB30	SB17	14	--
	SUBTOTALS	160	84
	TOTALS	1322	2591

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

LOOP DETECTOR SCHEDULE

LOOP NUMBER	HOMERUN PB	STATION	LOCATION	SIZE (FT)X(FT)	NO. OF TURNS	PAVEMENT TYPE	SDD INSTALLATION REFERENCE	652.0800 CONDUIT LOOP DETECTOR LF	655.0700 LOOP DETECTOR LEAD IN CABLE LF	655.0800 LOOP DETECTOR WIRE LF
11	PB22	238STHE+53.0	18.0' LT	6'X20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	416	298
12	PB22	238STHE+81.0	18.0' LT	6'X20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	416	298
21	PB35	244STHW+25.3	18.0' LT	6'X6'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	62	352	320
22	PB35	244STHW+25.3	6.0' LT	6'X6'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	86	352	440
23	PB34	242STHW+75.3	18.0' LT	6'X6'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	66	202	274
24	PB34	242STHW+75.3	6.0' LT	6'X6'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	202	370
31	PB13	907HN+43.0	6.0' LT	6'X20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	94	464	386
32	PB13	907HN+71.0	6.0' LT	6'X20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	94	464	386
33	PB13	907HN+43.0	18.0' LT	6'X20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	464	298
34	PB13	907HN+71.0	18.0' LT	6'X20'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	464	298
41	PB39	912HS+14.1	18.0' LT	6'X6'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	66	382	340
42	PB39	912HS+14.1	6.0' LT	6'X6'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	90	382	460
43	PB27	909HS+92.1	18.0' LT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	74	317	232
44	PB27	909HS+64.1	18.0' LT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	74	317	232
45	PB27	909HS+92.1	6.0' LT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	96	317	298
46	PB27	909HS+64.1	6.0' LT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	96	317	298
51	PB5	241STHW+28.9	6.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	94	183	292
52	PB5	241STHW+00.9	6.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	94	183	292
53	PB5	241STHW+28.9	18.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	183	226
54	PB5	241STHW+00.9	18.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	183	226
61	PB38	235STHE+54.1	30.0' RT	6'X16'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	84	764	430
62	PB38	235STHE+54.1	18.0' RT	6'X16'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	108	764	550
63	PB38	235STHE+54.1	6.0' RT	6'X16'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	132	764	670
64	PB37	237STHE+04.1	30.0' RT	6'X12'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	86	614	440
65	PB37	237STHE+04.1	18.0' RT	6'X12'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	110	614	560
66	PB37	237STHE+04.1	6.0' RT	6'X12'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	134	614	680
71	PB30	910HS+22.3	6.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	94	149	292
72	PB30	909HS+94.3	6.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	94	149	292
73	PB30	910HS+22.3	18.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	149	226
74	PB30	909HS+94.3	18.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	72	149	226
81	PB36	905HN+66.1	18.0'RT	6'X10'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	74	521	380
82	PB36	905HN+66.1	6.0'RT	6'X10'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	521	500
83	PB10	907HN+87.9	18.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	74	343	232
84	PB10	908HN+15.9	18.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	74	343	232
85	PB10	907HN+87.9	6.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	343	304
86	PB10	908HN+15.9	6.0' RT	6'X20'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	98	343	304
S1	PB24	238STHW+05.0	30.0' LT	6'X6'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	58	357	300
S2	PB24	238STHW+05.0	18.0' LT	6'X6'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	82	357	420
S3	PB24	238STHW+05.0	6.0' LT	6'X6'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	106	357	540
S4	PB15	906HS+95.0	19.0' LT	8'X8'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	60	504	310
S5	PB15	906HS+95.0	6.0' LT	6'X8'	5	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	504	410
S6	PB7	241STHE+75.0	32.0' RT	6'X10'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	56	229	178
S7	PB7	241STHE+75.0	18.0' RT	6'X6'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	229	330
S8	PB7	241STHE+75.0	6.0' RT	6'X6'	4	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	104	229	426
S9	PB32	910HN+70.0	20.0' RT	6'X10'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)	56	102	178
S10	PB32	910HN+70.0	6.0' RT	6'X6'	3	CONCRETE	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)	80	102	250
							TOTALS	3872	16674	15924

** LOCATION IS TO FRONT CENTER OF DETECTOR LOOP

*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H-North_Leg\t1\cds\030241_mq_sp.ppt

PLOT DATE : 8/1/2019 1:40:33 PM PLOT BY : HNTB PLOT NAME : 030241_mq_sp3 PLOT SCALE : 1:1

PULL BOXES STEEL

PULL BOX NO.	STATION	LOCATION	653.0135* PULL BOXES STEEL 24X36-INCH EACH	653.0140 PULL BOXES STEEL 24X42-INCH EACH
PB1	241WB+08.0	81.0' LT	--	1
PB2	241WB+50.0	48.1' LT	--	1
PB3	240WB+63.9	41.2' LT	--	1
PB4	241EB+50.0	6.0' LT	--	1
PB5	241EB+24.9	6.0' LT	1	--
PB6	241EB+50.0	50.5' RT	--	1
PB7	241EB+65.0	48.3' RT	1	--
PB8	907HN+96.6	68.1' RT	--	1
PB9	908HN+11.2	41.6' RT	--	1
PB10	907HN+91.9	31.1' RT	1	--
PB11	907HN+25.4	47.0' RT	--	1
PB12	907HS+25.0	6.0' RT	--	1
PB13	907HS+46.6	6.0' RT	1	--
PB14	907HS+25.0	37.6' LT	--	1
PB15	907HS+05.0	34.8' LT	1	--
PB16	239EB+07.7	81.4' RT	--	1
PB17	239EB+19.7	55.1' RT	--	1
PB18	238EB+35.0	62.6' RT	--	1
PB19	238EB+35.0	6.0' LT	--	1
PB20	239EB+15.0	6.0' LT	1	--
PB21	238WB+35.0	6.0' RT	--	1
PB22	238WB+54.0	6.0' RT	1	--
PB23	238WB+35.0	51.3' LT	--	1
PB24	238WB+15.0	49.4' LT	1	--
PB25	909HS+92.2	70.7' LT	--	1
PB26	239WB+30.5	54.6' LT	--	1
PB27	909HS+88.1	31.0'LT	1	--
PB28	910HS+39.7	53.5' LT	--	1
PB29	910HN+40.0	6.0' LT	--	1
PB30	910HN+18.6	6.0' LT	1	--
PB31	910HN+40.0	39.6' RT	--	1
PB32	910HN+60.0	36.8' RT	1	--
PB33	240WB+92.0	93.0' LT	--	1
PB34	242WB+71.3	42.0' LT	1	--
PB35	244WB+21.3	39.7' LT	1	--
PB36	905HN+70.1	42.0' RT	1	--
PB37	237EB+08.1	58.0' RT	1	--
PB38	235EB+58.1	52.3' RT	1	--
PB39	912HS+10.1	42.0' LT	1	--
		TOTALS	17	22

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

CONCRETE BASES

BASE NO.	STATION	LOCATION	654.0101 CONCRETE BASES TYPE 1 EACH	654.0102 CONCRETE BASES TYPE 2 EACH	654.0105* CONCRETE BASES TYPE 5 EACH	654.0113 CONCRETE BASES TYPE 13 EACH	SPV.0060.301 TYPE 9 & 10 SPECIAL TRAFFIC SIGNAL BASE EACH	654.0217 CONCRETE CONTROL CABINET BASES TYPE 9 SPECIAL EACH
CB1	241STHW+00.0	87.0' LT	--	--	--	--	--	1
SB1	240STHW+92.7	64.1' LT	--	--	1	--	--	--
SB2	240STHW+55.3	32.4' LT	1	--	--	--	--	--
SB3	909HN+59.0	32.0' RT	--	--	--	1	--	--
SB4	241STHE+10.9	30.0' RT	--	1	--	--	--	--
SB5	240STHE+79.7	91.5' RT	--	--	1	--	--	--
SB6	908HN+16.1	32.5' RT	1	--	--	--	--	--
SB7	240STHE+58.8	48.0' RT	--	--	--	--	1	--
SB8	907HN+56.0	30.0' LT	--	1	--	--	--	--
SB9	238STHE+96.6	79.4' RT	--	--	1	--	--	--
SB10	239STHE+24.1	48.6' RT	1	--	--	--	--	--
SB11	908HS+19.2	35.0' LT	--	--	--	1	--	--
SB12	239STHE+25.4	6.0' LT	1	--	--	--	--	--
SB13	238STHW+71.0	30.0' LT	--	1	--	--	--	--
SB14	239STHW+07.2	86.0' LT	--	--	1	--	--	--
SB15	909HS+64.1	32.4' LT	1	--	--	--	--	--
SB16	239STHW+25.9	36.0' LT	--	--	--	1	--	--
SB17	910HS+04.3	30.0' RT	--	1	--	--	--	--
		TOTALS	5	4	4	3	1	1

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

*** FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

3

ABOVE GROUND TRAFFIC SIGNAL CABLE NO. 14

FROM	TO	655.0230 CABLE TRAFFIC SIGNAL 5-14 AWG LF	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG LF
SB2	HEAD 6	--	22
	HEAD 8	19	--
	HEAD 30	15	--
SB3	HEAD 15	51	--
	HEAD 16	39	--
	HEAD 18	75	--
	HEAD 19	63	--
	HEAD 29	15	--
SB4	HEAD 7	--	22
	HEAD 11	19	--
SB6	HEAD 14	19	--
	HEAD 32	15	--
SB7	HEAD 2	67	--
	HEAD 3	55	--
	HEAD 4	43	--
	HEAD 31	15	--
SB8	HEAD 17	19	--
SB10	HEAD 1	19	--
	HEAD 26	15	--
SB11	HEAD 21	54	--
	HEAD 22	42	--
	HEAD 24	78	--
	HEAD 25	66	--
	HEAD 33	15	--
SB13	HEAD 5	--	22
SB15	HEAD 20	19	--
	HEAD 28	15	--
SB16	HEAD 9	55	--
	HEAD 10	43	--
	HEAD 12	79	--
	HEAD 13	67	--
	HEAD 27	15	--
SB17	HEAD 23	19	--
	TOTAL	1130	66

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

UNDERGROUND TRAFFIC SIGNAL CABLE NO. 14

FROM	TO	655.0240* CABLE TRAFFIC SIGNAL 7-14 AWG LF	655.0260 CABLE TRAFFIC SIGNAL 12-14 AWG LF
CB1	SB2	--	220
CB1	SB3	--	230
CB1	SB4	--	255
CB1	SB6	--	421
CB1	SB7	--	430
CB1	SB8	595	--
CB1	SB10	--	763
CB1	SB11	--	779
CB1	SB12	646	--
CB1	SB13	--	552
CB1	SB15	--	399
CB1	SB16	--	405
CB1	SB17	221	--
	TOTALS	1462	4454

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

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PLOT DATE : 8/1/2019 1:40:33 PM PLOT BY : HNTB PLOT NAME : 030241_mq_sp6 PLOT SCALE : 1:1

3

LIGHTING WIRE

FROM	TO	655.0320 CABLE TYPE UF 2-10 AWG GROUNDED LF	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG LF
CB1	SB1	60	--
SB1	LUMIN (1)	--	117
SB1	SB4	265	--
SB4	LUMIN (2)	--	234
SB4	SB5	255	--
SB5	LUMIN (1)	--	117
SB5	SB8	265	--
SB8	LUMIN (2)	--	234
CB1	SB17	221	--
SB17	LUMIN (2)	--	234
SB17	SB14	252	--
SB14	LUMIN (1)	--	117
SB14	SB13	251	--
SB13	LUMIN (2)	--	234
SB13	SB9	303	--
SB9	LUMIN (1)	--	117
	TOTALS	1872	1404

ELECTRICAL WIRE TRAFFIC SIGNALS

FROM	TO	655.0515 ELECTRICAL WIRE TRAFFIC SIGNALS 10 AWG LF
CB1	SB1	60
SB1	SB2	230
SB2	SB3	58
SB3	SB4	297
SB4	SB5	255
SB5	SB6	91
SB6	SB7	53
SB7	SB8	319
SB8	SB9	244
SB9	SB10	88
SB10	SB11	56
SB11	SB12	375
SB12	SB13	222
SB13	SB14	251
SB14	SB15	98
SB15	SB16	56
SB16	SB17	310
SB17	CB1	221
PB1	CB1	33
PB2	CB1	102
PB3	SB3	42
PB4	SB4	75
PB5	SB4	34
PB6	SB5	124
PB8	SB5	31
PB9	SB7	39
PB11	SB5	121
PB12	SB8	67
PB13	SB8	29
PB14	SB9	133
PB16	SB9	31
PB17	SB11	44
PB18	SB9	122
PB19	SB12	126
PB20	SB12	30
PB21	SB13	72
PB22	SB13	34
PB23	SB14	122
PB25	SB14	31
PB26	SB16	39
PB28	SB14	98
PB29	SB17	71
PB30	SB17	34
PB31	CB1	104
PB33	CB1	33
	TOTAL	5105

STH 11 & CTH H

ALL ITEMS ARE CATEGORY 4000 UNLESS OTHERWISE NOTED

3

TRAFFIC SIGNAL EVP DETECTOR CABLE

FROM	TO	655.0210 CABLE TRAFFIC SIGNAL 3-14 AWG LF	655.0900 TRAFFIC SIGNAL EVP DETECTOR CABLE LF
CB1	SB3 (HEAD D)	315	315
CB1	SB7 (HEAD B)	503	503
CB1	SB11 (HEAD C)	859	859
CB1	SB12 (HEAD A)	490	490
	TOTALS	2167	2167

ELECTRICAL SERVICE METER BREAKER PEDESTAL
STH 11 & CTH H

BASE NO.	656.0200.301 ELECTRICAL SERVICE METER BREAKER PEDESTAL LS
CB1	1
TOTAL	1

***FINAL LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H-North_Leg\t1\cds\030241_mq_sp.ppt

PLOT DATE : 8/1/2019 1:40:33 PM PLOT BY : HNTB PLOT NAME : 030241_mq_sp7 PLOT SCALE : 1:1

CAST BASES, POLES, STANDARDS, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES

SIGNAL BASE NO.	657.0100 PEDESTAL BASES EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2 INCH BOLT CIRCLE EACH	657.0310 POLES TYPE 3 EACH	657.0322 POLES TYPE 5 ALUMINUM EACH	657.0405 TRAFFIC SIGNAL STANDARDS ALUMINUM 3.5-FT EACH	657.0420 TRAFFIC SIGNAL STANDARDS ALUMINUM 13-FT EACH	657.0425 TRAFFIC SIGNAL STANDARDS ALUMINUM 15-FT EACH
SB1	--	1	--	1	--	--	--
SB2	1	--	--	--	--	--	1
SB3	--	--	--	--	--	--	--
SB4	--	1	1	--	--	--	--
SB5	--	1	--	1	--	--	--
SB6	1	--	--	--	--	1	--
SB7	--	--	--	--	--	--	--
SB8	--	1	1	--	--	--	--
SB9	--	1	--	1	--	--	--
SB10	1	--	--	--	--	1	--
SB11	--	--	--	--	--	--	--
SB12	1	--	--	--	1	--	--
SB13	--	1	1	--	--	--	--
SB14	--	1	--	1	--	--	--
SB15	1	--	--	--	--	1	--
SB16	--	--	--	--	--	--	--
SB17	--	1	1	--	--	--	--
TOTALS	5	8	4	4	1	3	1

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

CAST BASES, POLES, MONOTUBE ARMS, PUSH BUTTONS, AND LUMINAIRES (CONT.)

SIGNAL BASE NO.	SPV.0060.302 TRANSPORT AND INSTALL POLES TYPE 9 SPECIAL EACH	SPV.0060.303 TRANSPORT AND INSTALL POLES TYPE 12 EACH	SPV.0060.304 TRANSPORT AND INSTALL MONOTUBE ARMS 45-FT EACH	SPV.0060.305 TRANSPORT AND INSTALL MONOTUBE ARMS 55-FT EACH	657.0609 LUMINAIRE ARMS SINGLE MEMBER 4-INCH CLAMP 6-FT EACH	657.0610 LUMINAIRE ARMS SINGLE MEMBER 4 1/2-INCH CLAMP 6-FT EACH	658.0500 PEDESTRIAN PUSH BUTTONS EACH	659.1125 LUMINAIRES UTILITY LED C EACH
SB1	--	--	--	--	--	1	--	1
SB2	--	--	--	--	--	--	1	--
SB3	--	1	--	1	--	--	1	--
SB4	--	--	--	--	2	--	--	2
SB5	--	--	--	--	--	1	--	1
SB6	--	--	--	--	--	--	1	--
SB7	1	--	1	--	--	--	1	--
SB8	--	--	--	--	2	--	--	2
SB9	--	--	--	--	--	1	--	1
SB10	--	--	--	--	--	--	1	--
SB11	--	1	--	1	--	--	1	--
SB12	--	--	--	--	--	--	1	--
SB13	--	--	--	--	2	--	--	2
SB14	--	--	--	--	--	1	--	1
SB15	--	--	--	--	--	--	1	--
SB16	--	1	--	1	--	--	1	--
SB17	--	--	--	--	2	--	--	2
TOTALS	1	3	1	3	8	4	9	12

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H-North_Leg\t1\cds\030241_mq_sp.ppt

PLOT DATE : 8/1/2019 1:40:33 PM PLOT BY : HNTB PLOT NAME : 030241_mq_sp9 PLOT SCALE : 1:1

STH 11 & CTH H

ALL ITEMS ARE CATEGORY 4000 UNLESS OTHERWISE NOTED

3

TRAFFIC SIGNAL AND PEDESTRIAN FACES

SIGNAL HEAD NO.	SIGNAL BASE NO.	658.0173 TRAFFIC SIGNAL FACE 3S 12-INCH EACH	658.0174 TRAFFIC SIGNAL FACE 4S 12-INCH EACH	658.0416 PEDESTRIAN SIGNAL FACE 16-INCH EACH
1	SB10	1	--	--
2	SB7	1	--	--
3	SB7	1	--	--
4	SB7	1	--	--
5	SB13	--	1	--
6	SB2	--	1	--
7	SB4	--	1	--
8	SB2	1	--	--
9	SB16	1	--	--
10	SB16	1	--	--
11	SB4	1	--	--
12	SB16	1	--	--
13	SB16	1	--	--
14	SB6	1	--	--
15	SB3	1	--	--
16	SB3	1	--	--
17	SB8	1	--	--
18	SB3	1	--	--
19	SB3	1	--	--
20	SB15	1	--	--
21	SB11	1	--	--
22	SB11	1	--	--
23	SB17	1	--	--
24	SB11	1	--	--
25	SB11	1	--	--
26	SB10	--	--	1
27	SB16	--	--	1
28	SB15	--	--	1
29	SB3	--	--	1
30	SB2	--	--	1
31	SB7	--	--	1
32	SB6	--	--	1
33	SB11	--	--	1
	TOTALS	22	3	8

SIGNAL MOUNTING HARDWARE
STH 11 & CTH H

LOCATION	658.5069.301 SIGNAL MOUNTING HARDWARE LS
STH 11 & CTH H	1
TOTAL	1

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PLOT DATE : 8/1/2019 1:40:34 PM PLOT BY : HNTB PLOT NAME : 030241_mq_sp10 PLOT SCALE : 1:1

3

TEMPORARY TRAFFIC SIGNALS
STH 11 & CTH H

LOCATION	661.0200.301 TEMPORARY TRAFFIC SIGNALS FOR INTERSECTIONS LS	661.0300 GENERATORS DAY	677.0200 INSTALL CAMERA ASSEMBLY EACH	SPV.0105.304 TEMPORARY RADAR/MICROWAVE VEHICLE DETECTION SYSTEM LS	SPV.0105.305 TEMPORARY EVP SYSTEM LS
STH 11 & CTH H	1	1	1	1	1
TOTALS	1	1	1	1	1

3

TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET
STH 11 & CTH H

LOCATION	SPV.0105.301 TRANSPORT AND INSTALL STATE FURNISHED TRAFFIC SIGNAL CABINET LS
CB1	1
TOTAL	1

TRANSPORT AND INSTALL STATE FURNISHED EMERGENCY VEHICLE PREEMPTION (EVP) DETECTOR HEADS WITH CONFIRMATION BEACONS
STH 11 & CTH H

LOCATION	SPV.0105.302 TRANSPORT AND INSTALL STATE FURNISHED EMERGENCY VEHICLE PREEMPTION (EVP) DETECTOR HEADS WITH CONFIRMATION BEACONS LS
STH 11 & CTH H	1
TOTAL	1

3

CONDUIT

FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH LF
CV910-2	CB1 (S51-0501)	8
	TOTAL	8

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ELECTRICAL WIRE TRAFFIC SIGNALS

FROM	TO	655.0510* ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF
CV238	CB1 (S51-0501)	31
	TOTAL	31

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

COMMUNICATION

ALL ITEMS ARE CATEGORY 4000 UNLESS OTHERWISE NOTED

3

COMMUNICATION

LOCATION	670.0100.301 FIELD SYSTEM INTEGRATOR LS	670.0200.301 ITS DOCUMENTATION LS	678.0500.301 COMMUNICATION SYSTEM TESTING LS
TRAFFIC SIGNALS *	1	1	1
TOTALS	1	1	1

* INCLUDES THE INTERSECTIONS OF STH 11 & CTH H, CTH H & ACCESS FC6/ACCESS E5A, STH 11 & INTERNATIONAL DRIVE, CTH KR & WISCONN VALLEY WAY, WISCONN VALLEY WAY & BRAUN ROAD, STH 11 & WISCONN VALLEY WAY

FIBER OPTIC

LOCATION	678.0300* FIBER OPTIC SPLICE EACH
CV908	14
EXCV843	14
EXCV202	14
EXCV374	14
EXCV558	14
EXCV159	14
TOTAL	84

*ADDITIONAL QUANTITIES SHOWN ELSEWHERE

COMMUNICATION

ALL ITEMS ARE CATEGORY 4000 UNLESS OTHERWISE NOTED

3

TRANSPORT AND INSTALL STATE FURNISHED FO CABLE PIGTAIL 8-CT
STH 11 & CTH H

LOCATION	SPV.0105.311 LS
CB1 (S51-0501)	1
TOTAL	1

*** PAY ITEM INCLUDES INSTALLATION OF BOTH CONTRACTOR FURNISHED AND STATE FURNISHED MATERIALS

SUMMARY OF STATE FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
728	LF	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT

SUMMARY OF CONTRACTOR FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
2	EACH	ST-ST SINGLE MODE FIBER OPTIC JUMPER 2-CT
2	EACH	CAT-5E CABLE 1-METER

TRANSPORT AND INSTALL STATE FURNISHED FO CABLE PIGTAIL 8-CT
CTH H & ACCESS FC6/ACCESS E5A

LOCATION	SPV.0105.312 LS
CB1 (S51-1470)	1
TOTAL	1

*** PAY ITEM INCLUDES INSTALLATION OF BOTH CONTRACTOR FURNISHED AND STATE FURNISHED MATERIALS

SUMMARY OF STATE FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
273	LF	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT

SUMMARY OF CONTRACTOR FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
2	EACH	ST-ST SINGLE MODE FIBER OPTIC JUMPER 2-CT

TRANSPORT AND INSTALL STATE FURNISHED FO CABLE PIGTAIL 8-CT
STH 11 & INTERNATIONAL DRIVE

LOCATION	SPV.0105.313 LS
CB1 (S51-1467)	1
TOTAL	1

*** PAY ITEM INCLUDES INSTALLATION OF BOTH CONTRACTOR FURNISHED AND STATE FURNISHED MATERIALS

SUMMARY OF STATE FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
126	LF	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT

SUMMARY OF CONTRACTOR FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
2	EACH	ST-ST SINGLE MODE FIBER OPTIC JUMPER 2-CT

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H-North_Leg\t1\cds\030242_mq_co.ppt

PLOT DATE : 8/1/2019 1:42:11 PM PLOT BY : HNTB PLOT NAME : 030242_mq_co2 PLOT SCALE : 1:1

COMMUNICATION

ALL ITEMS ARE CATEGORY 4000 UNLESS OTHERWISE NOTED

3

TRANSPORT AND INSTALL STATE FURNISHED FO CABLE PIGTAIL 8-CT
CTH KR & WISCONN VALLEY WAY

LOCATION	SPV.0105.314 LS
CB1 (S51-1468)	1
TOTAL	1

*** PAY ITEM INCLUDES INSTALLATION OF BOTH CONTRACTOR FURNISHED AND STATE FURNISHED MATERIALS

SUMMARY OF STATE FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
403	LF	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT

SUMMARY OF CONTRACTOR FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
2	EACH	ST-ST SINGLE MODE FIBER OPTIC JUMPER 2-CT

TRANSPORT AND INSTALL STATE FURNISHED FO CABLE PIGTAIL 8-CT
WISCONN VALLEY WAY & BRAUN ROAD

LOCATION	SPV.0105.315 LS
CB1 (S51-1464)	1
TOTAL	1

*** PAY ITEM INCLUDES INSTALLATION OF BOTH CONTRACTOR FURNISHED AND STATE FURNISHED MATERIALS

SUMMARY OF STATE FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
435	LF	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT

SUMMARY OF CONTRACTOR FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
2	EACH	ST-ST SINGLE MODE FIBER OPTIC JUMPER 2-CT

3

TRANSPORT AND INSTALL STATE FURNISHED FO CABLE PIGTAIL 8-CT
STH 11 & WISCONN VALLEY WAY

LOCATION	SPV.0105.316 LS
CB1 (S51-1466)	1
TOTAL	1

*** PAY ITEM INCLUDES INSTALLATION OF BOTH CONTRACTOR FURNISHED AND STATE FURNISHED MATERIALS

SUMMARY OF STATE FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
152	LF	PATCH PANEL WITH FIBER OPTIC CABLE PIGTAIL 8-CT

SUMMARY OF CONTRACTOR FURNISHED MATERIALS

QUANTITY	UNIT	DESCRIPTION
2	EACH	ST-ST SINGLE MODE FIBER OPTIC JUMPER 2-CT

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H-North_Leg\t1\cds\030242_mq_co.ppt

PLOT DATE : 8/1/2019 1:42:11 PM PLOT BY : HNTB PLOT NAME : 030242_mq_co3 PLOT SCALE : 1:1

ITS COMMUNICATION VAULTS

CATEGORY	ROADWAY	STATION	OFFSET	ITEM ID	652.0700.S INSTALL CONDUIT INTO EXISTING ITEM EACH	673.0105 COMMUNICATION VAULT TYPE 1 EACH	673.0200 TRACER WIRE MARKER POSTS EACH
4000	CTH H						
		EXISTING		EXCV857	1	--	--
		867HS+56	31.6' LT	CV868	--	1	1
		877HS+54	31.4' LT	CV878	--	1	1
		887HS+56	31.4' LT	CV888	--	1	1
		897HS+56	43.7' LT	CV898	--	1	1
		907HS+82	53.5' LT	CV908	--	1	1
		909HS+96	66.6' LT	CV910-1	--	1	1
		909HN+92	92.8' RT	CV910-2	--	1	1
		EXISTING		EXCV234	1	--	--
				TOTALS:	2	7	7

ITS CONDUIT

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	671.0122 CONDUIT HDPE 2-DUCT 2-INCH LF	655.0510* ELECTRICAL WIRE TRAFFIC SIGNALS 12 AWG LF
4000	CTH H				
		EXCV857 - CV868	1005	1,005	1,014
		CV868 - CV878	1005	1,005	1,014
		CV878 - CV888	1005	1,005	1,014
		CV888 - CV898	1005	1,005	1,014
		CV898 - CV908	1030	1,030	1,039
		CV908 - CV910-1	220	220	229
		CV910-1 - CV910-2	200	200	209
		CV910-2 - CB1	10	10	19
		CV908 EXCV234	540	540	549
		TOTALS:		6,020	6,101

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ITS COMMUNICATIONS

CATEGORY	ROADWAY	ITEM ID	678.0300* FIBER OPTIC SPLICE EACH
4000			
	IH 94 AND STH 11	EXCV194	12
	STH 11 AND CTH H	CV908	70
	CTH H AND BRAUN RD	EXCV855-1	4
	CTH H AND CTH KR	EXCV805	70
		TOTAL:	156

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE

ITS FIBER

CATEGORY	ROADWAY	ITEM ID	LINEAR DISTANCE	678.0072 INSTALL FIBER OPTIC CABLE OUTDOOR PLANT 72-CT LF
4000	CTH H			
		EXCV805 - EXCV813	800	900
		EXCV813 - EXCV819	605	705
		EXCV819 - EXCV831	1245	1,345
		EXCV831 - EXCV843	1140	1,240
		EXCV843 - EXCV855-1	1240	1,340
		EXCV855-1 - EXCV857	275	375
		EXCV857 - CV868	1005	1,105
		CV868 - CV878	1005	1,105
		CV878 - CV888	1005	1,105
		EXCVI94 - EXCV64	1450	1,550
		EXCV64 - EXCV156	650	750
		EXCV156 - EXCV159	270	370
		EXCV159 - EXCV167	835	935
		EXCV167 - EXCV174	650	750
		EXCV174 - EXCV182	800	900
		EXCV182 - EXCV195	1300	1,400
		EXCV195 - EXCV199	400	500
		EXCV199 - EXCV202	285	385
		EXCV202 - EXCV214	1200	1,300
		EXCV214 - EXCV225	1130	1,230
		EXCV225 - EXCV234	895	995
		EXCV234 - CV908	540	640
		CV908 - CV898	1030	1,130
		CV898 - CV888	1005	1,105
		TOTAL		23,160

SUMMARY OF SLACK IN VAULTS	
CABLE OR WIRE	**VAULT**
GROUND / TRACER WIRE (NO. 12)	9-FT
FIBER OPTIC CABLE	100-FT



3

3

ITS BASES, POLES AND EQUIPMENT

CATEGORY	ROADWAY	ITEM ID	LOCATION	654.1130 CONCRETE BASES CAMERA POLE 30-FT EACH	677.0130 INSTALL CAMERA POLE 30-FT EACH	677.0200 INSTALL CAMERA ASSEMBLY EACH
4000	CTH H					
		CCTV-51-0230	804HS+80, 85' LT	1	1	1
			TOTALS:	1	1	1

MISCELLANEOUS ITS ITEMS

CATEGORY	ITEM I.D.	670.0100.001 FIELD SYSTEM INTEGRATOR FTMS LS	670.0200.001 ITS DOCUMENTATION FTMS LS	678.0500.001 FIELD COMMUNICATION SYSTEM TESTING FTMS LS
4000	MISCELLANEOUS	1	1	1
		1	1	1

WISCONSIN
MARIA J. DONNELLY E-37908 MILWAUKEE WI
PROFESSIONAL ENGINEER

3

FILE NAME : \\minw00\pmwork\jobs\67321\WO_01_Local_Road_ITS\eng\030214_mq_fm.ppt PLOT DATE : 7/30/2019 3:39:13 PM PLOT BY : mdonnelly PLOT NAME : 030214_mq_fm PLOT SCALE : 1:1

3

LIGHTING AND MISCELLANEOUS - FINAL

CATEGORY	DESCRIPTION	LOCATION	653.0135* PULL STEEL 24x36- EACH	654.0105* CONCRETE BASES TYPE 5 EACH	654.0230 CONCRETE CONTROL CABINET BASES TYPE L30 EACH	657.0255* TRANSFORMER BASES BREAKAWAY 11 1/2-INCH BOLT CIRCLE (NOTE 1) EACH
5000	PULLBOX PB-BH9	STA. 859HS+0.41, 42.02' LT	1	--	--	--
	BASE BH-21	STA. 859HS+2.15, 28.91' RT	--	1	--	1
	BASE BH-22	STA. 861HS+2.07, 17.86' RT	--	1	--	1
	BASE BH-23	STA. 862HS+85.60, 17.08' RT	--	1	--	1
	BASE BH-24	STA. 864HS+89.72, 14.19' RT	--	1	--	1
	BASE BH-25	STA. 867HS+8.59, 11.36' RT	--	1	--	1
	BASE BH-26	STA. 869HS+29.21, 11.00' RT	--	1	--	1
	PULLBOX PB-BH9	STA. 870HS+38.23, 11.96' RT	1	--	--	--
	BASE BH-27	STA. 871HS+57.77, 11.93' RT	--	1	--	1
	BASE BH-28	STA. 873HS+50.55, 12.67' RT	--	1	--	1
	PULLBOX PB-BH10	STA. 874HS+41.16, 12.75' RT	1	--	--	--
	BASE BH-29	STA. 875HS+60.41, 11.55' RT	--	1	--	1
	BASE BH-30	STA. 877HS+61.05, 8.75' RT	--	1	--	1
	PULLBOX PB-BH11	STA. 877HS+64.14, 29.97' LT	1	--	--	--
	BASE BH-31	STA. 879HS+66.75, 29.54' LT	--	1	--	1
	BASE DH-1	STA. 881HS+87.01, 29.68' LT	--	1	--	1
	BASE DH-2	STA. 884HS+6.06, 29.56' LT	--	1	--	1
	BASE DH-3	STA. 886HS+24.85, 29.57' LT	--	1	--	1
	BASE DH-4	STA. 888HS+43.05, 29.44' LT	--	1	--	1
	BASE DH-5	STA. 890HS+62.63, 29.74' LT	--	1	--	1
	BASE DH-6	STA. 892HS+76.72, 26.69' LT	--	1	--	1
	BASE DH-7	STA. 894HS+92.42, 29.77' LT	--	1	--	1
	PULLBOX PB-DH1	STA. 895HS+93.33, 41.64' LT	1	--	--	--
	BASE DH-8	STA. 897HS+15.82, 41.53' LT	--	1	--	1
	BASE DH-9	STA. 898HS+34.83, 63.78' RT	--	1	--	1
	BASE DH-10	STA. 899HS+31.27, 42.12' LT	--	1	--	1
	BASE DH-11	STA. 900HS+44.24, 78.32' RT	--	1	--	1
	PULLBOX PB-DH2	STA. 900HS+48.92, 41.57' LT	1	--	--	--
	PULLBOX PB-DH3	STA. 901HS+77.24, 42.15' LT	1	--	--	--
	BASE DH-12	STA. 901HS+78.59, 22.89' RT	--	1	--	1
	PULLBOX PB-DH20	STA. 901HS+90.59, 22.89' RT	1	--	--	--
	PULLBOX PB-DH4	STA. 901HS+77.28, 67.12' RT	1	--	--	--
	BASE DH-13	STA. 903HS+45.52, 21.18' RT	--	1	--	1
	BASE DH-14	STA. 905HS+45.52, 6.00' RT	--	1	--	1
	PULLBOX PB-DH5	STA. 906HS+70.19, 5.62' RT	1	--	--	--
	PULLBOX PB-DH6	STA. 906HS+71.28, 49.25' LT	1	--	--	--
	LCC-DH (CONCRETE BASE ONLY)	STA. 907HS+93.33, 118.28' LT	--	--	1	--
	PULLBOX PB-DH7	STA. 909HS+20.12, 152.26' LT	1	--	--	--
	PULLBOX PB-DH8	STA. 909HS+13.12, 150.33' LT	1	--	--	--
	PULLBOX PB-DH9	STA. 909HS+79.38, 94.57' LT	1	--	--	--
	PULLBOX PB-DH10	STA. 912HS+18.03, 42.28' LT	1	--	--	--
	BASE DH-15	STA. 912HS+17.25, 30.00' RT	--	1	--	1
	PULLBOX PB-DH11	STA. 913HS+50.73, 8.94' RT	1	--	--	--
	BASE DH-16	STA. 913HS+51.41, 30.72' LT	--	1	--	1
	BASE DH-17	STA. 913HS+77.37, 54.17' RT	--	1	--	1
	BASE DH-18	STA. 915HS+55.25, 30.00' LT	--	1	--	1
	PULLBOX PB-DH13	STA. 909HS+13.02, 163.51' LT	1	--	--	--
	PULLBOX PB-DH14	STA. 908HS+3.97, 164.96' LT	1	--	--	--
	PULLBOX PB-DH15	STA. 908HS+3.30, 74.42' LT	1	--	--	--
	PULLBOX PB-DH16	STA. 907HS+90.30, 106.85' RT	1	--	--	--
	PULLBOX PB-DH17	STA. 243STHW+8.56, 78.40' RT	1	--	--	--
	BASE DH-19	STA. 243STHW+8.86, 30.00' RT	--	1	--	1
	BASE DH-20	STA. 245STHW+8.86, 30.00' RT	--	1	--	1
	BASE DH-21	STA. 247STHW+8.92, 7.22' RT	--	1	--	1
	PULLBOX PB-DH18	STA. 248STHW+26.0, 12.25' RT	1	--	--	--
	BASE DH-22	STA. 249STHW+22.42, 11.99' RT	--	1	--	1
	PULLBOX PB-DH19	STA. 249STHW+36.07, 41.41' RT	1	--	--	--
	BASE DH-23	STA. 251STHW+16.16, 59.68' RT	--	1	--	1
5000		TOTALS	23	34	1	34

NOTE

1. 1/8" ALUMINUM OR STEEL PLATE TO COVER THE TOP OPENING OF THE TRANSFORMER BASE. COVER TO BE BOLTED DOWN. COVER TO PREVENT WATER FROM ENTERING TRANSFORMER BASE. COST OF COVER IS INCIDENTAL TO THE COST OF THE TRANSFORMER BASE.

* = ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

LIGHTING - WIRE AND CONDUIT - FINAL

CATEGORY	FROM	TO	652.0225* CONDUIT RIGID NONMETALLIC SCHEDULE 40 2 -INCH LF	652.0235* CONDUIT RIGID NONMETALLIC SCHEDULE 40 3 -INCH LF
5000	STUB	PB-BH9	--	127
	PB-BH9	BH-21	--	77
	BH-21	BH-22	214	--
	BH-22	BH-23	205	--
	BH-23	BH-24	221	--
	BH-24	BH-25	232	--
	BH-25	BH-26	231	--
	BH-26	PB-BH9	120	--
	PB-BH9	BH-27	--	125
	BH-27	BH-28	210	--
	BH-28	PB-BH10	108	--
	PB-BH10	BH-29	--	123
	BH-29	BH-30	216	--
	BH-30	PB-BH11	--	44
	PB-BH11	BH-31	207	--
	BH-31	DH-1	225	--
	DH-1	DH-2	224	--
	DH-2	DH-3	224	--
	DH-3	DH-4	224	--
	DH-4	DH-5	225	--
	DH-5	DH-6	98	--
	DH-6	DH-7	221	--
	DH-7	PB-DH1	107	--
	PB-DH1	DH-8	128	--
	DH-8	DH-10	221	--
	DH-10	PB-DH2	123	--
	PB-DH2	PB-DH3	--	134
	PB-DH3	PB-DH20	--	75
	PB-DH20	DH-12	--	17
	DH-9	DH-11	230	--
	DH-11	PB-DH4	--	140
	PB-DH4	PB-DH20	--	55
	PB-DH20	DH-13	178	--
	DH-13	DH-14	207	--
	DH-14	PB-DH5	129	--
	PB-DH5	PB-DH6	--	63
	PB-DH6	LCC-DH	--	159
	LCC-DH	PB-DH7	--	52
	PB-DH7	PB-DH8	--	98
	PB-DH8	PB-DH9	--	92
	PB-DH9	PB-DH10	262	–
	PB-DH10	DH-15	--	80
	DH-15	PB-DH11	141	–
	PB-DH11	DH-17	--	58
	PB-DH11	DH-16	--	45
	DH-16	DH-18	--	211
	DH-18	STUB	66	--
	STUB	STA 235STHW+11.10, 11.58' RT	118	–
	STA 235STHW+11.10, 11.58' RT	STA. 237STHW+21.21, 4.00' RT	218	–
	STA. 237STHW+21.21, 4.00' RT	PB-DH13	97	–
	PB-DH13	PB-DH14	–	115
	PB-DH14	LCC-DH	–	50
	LCC-DH	PB-DH15	–	67
	PB-DH15	PB-DH16	–	181
	PB-DH16	PB-DH17	–	315
	PB-DH17	DH-19	–	54
	DH-19	DH-20	205	–
	DH-20	DH-21	207	–
	DH-21	PB-DH18	–	125
	PB-DH18	DH-22	109	–
	DD-22	PB-DH19	–	69
	PB-DH19	DH-23	180	–
	DH-23	STUB	15	–
5000		TOTALS	6346	2751

* = ADDITIONAL QUANTITIES SHOWN ELSEWHERE

3

REMOVING PAVEMENT

CATEGORY	ROADWAY	STATION	OFFSET	204.0100 REMOVING PAVEMENT SY	204.0110 REMOVING ASPHALTIC SURFACE SY
0010	LOUIS SORENSON ROAD		RT	50	--
	DRIVEWAYS		RT/LT	--	710
PROJECT 3760-00-72 TOTAL				50	710

FINISHING ROADWAY

ROADWAY	213.0100.004 FINISHING ROADWAY EACH
PROJECT 3760-00-72	1
PROJECT 3760-00-72 TOTAL	1

MOBILIZATION

ROADWAY	619.1000 MOBILIZATION EACH
PROJECT 3760-00-72	0.01
PROJECT 3760-00-72 TOTAL	0.01

3

SUBSTRUCTURE

CATEGORY	ROADWAY	STATION	OFFSET	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON
0010	LOUIS SORENSON		RT/LT	570	--
	DRIVEWAYS		RT/LT	--	170
PROJECT 3760-00-72 TOTALS				570	170

RESTORATION ITEMS

CATEGORY	ROADWAY	STATION	OFFSET	630.0140 SEEDING MIXTURE NO. 40 LB	630.0500 SEED WATER MGAL
0010	LOUIS SORENSON		RT/LT	10	20
PROJECT 3760-00-72 TOTALS				10	20

ASPHALTIC ITEMS

CATEGORY	ROADWAY	STATION	OFFSET	325.0100 PULVERIZE AND RELAY SY	455.0605 TACK COAT GAL	465.0105 ASPHALTIC SURFACE TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON
0010	LOUIS SORENSON ROAD		RT/LT	14,200	1,000	3,350	--
	DRIVEWAYS		RT/LT	--	--	--	140
PROJECT 3760-00-72 TOTAL				14,200	1,000	3,350	140

PAVEMENT MARKINGS

CATEGORY	ROADWAY	646.1020 MARKING LINE EPOXY 4-INCH (WHITE) LF	646.1020 MARKING LINE EPOXY 4-INCH (YELLOW) LF	646.6120 MARKING STOP LINE EPOXY 18-INCH (WHITE) LF
0010	LOUIS SORENSON	11,616	11,616	11
PROJECT 3760-00-72 TOTALS		23,232		11

PROJECT NO: 3760-00-72	HWY: LOUIS SORENSON	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET: 524	E

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
RC011818		
CONSTRUCTION PROJECT NUMBER 3760-00-70	4.00	4

PLAT OF RIGHT OF WAY REQUIRED FOR

CTH H

BRAUN ROAD TO STH 11 AND
SOO LINE TO VENICE AVE

CTH H — RACINE COUNTY

4

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	PUBLIC ROAD ACCESS POINT	PRAP
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- NEW REFERENCE LINE
- NEW R/W LINE
- EXISTING R/W OR HE LINE
- PROPERTY LINE
- LOT, TIE & OTHER MINOR LINES
- SLOPE INTERCEPT
- CORPORATE LIMITS
- UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
- NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
- TEMPORARY LIMITED EASEMENT AREA
- EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
- TRANSMISSION STRUCTURES
- BUILDING (TO BE REMOVED)
- BRIDGE
- SECTION CORNER SYMBOL
- SECTION CORNER MONUMENT
- GEODETIC SURVEY MONUMENT
- SIXTEENTH CORNER MONUMENT
- SIGN
- OFF-PREMISE SIGN
- ELECTRIC POLE
- TELEPHONE POLE
- PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
- R/W MONUMENT (TO BE SET)
- NON-MONUMENTED R/W POINT
- FOUND IRON PIN (1-INCH UNLESS NOTED) IP

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

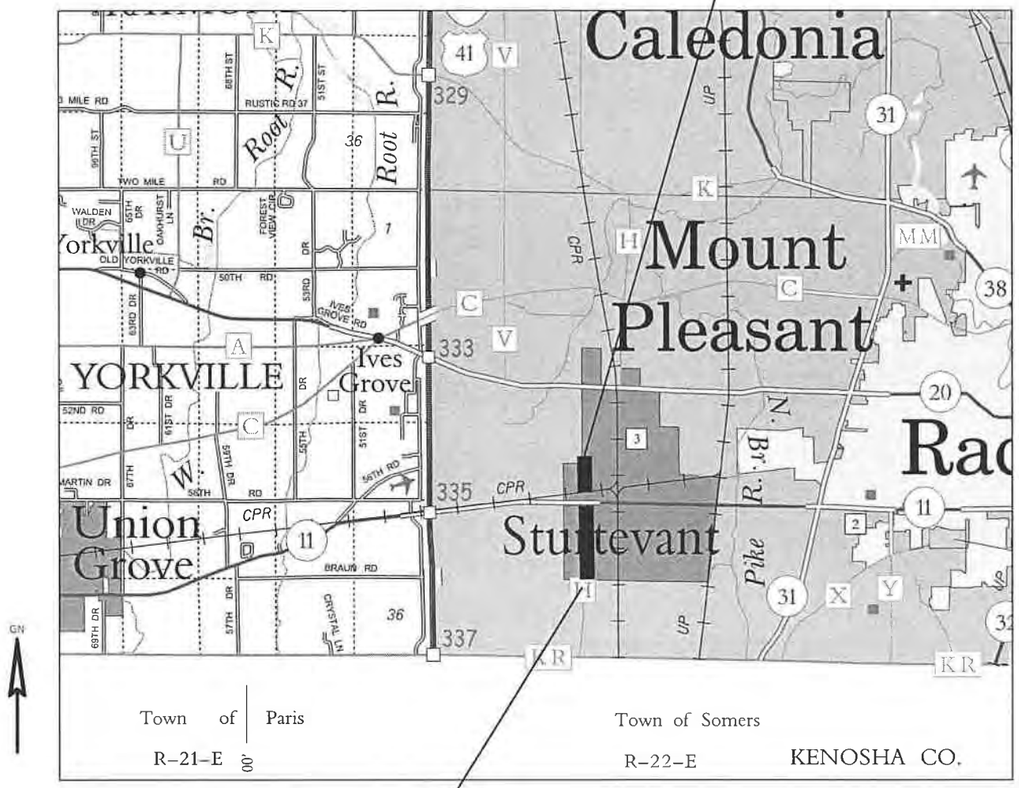
- ACCESS RESTRICTED BY ACQUISITION
- NO ACCESS (BY STATUTORY AUTHORITY)
- ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
- NO ACCESS (NEW HIGHWAY)
- PARCEL NUMBER (25) UTILITY NUMBER (40)
- PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

- WATER
- GAS
- TELEPHONE
- OVERHEAD TRANSMISSION LINES
- ELECTRIC
- CABLE TELEVISION
- FIBER OPTIC
- SANITARY SEWER
- STORM SEWER

7-10-2019

END RELOCATION ORDER
1065.34 FEET NORTH
AND 542.18 FEET EAST
OF THE EAST 1/4
CORNER OF SEC. 20,
T3N, R22E
STA. 948+40.52



GN

BEGIN RELOCATION ORDER
0 FEET SOUTH AND 0
FEET WEST OF THE
SOUTHWEST CORNER OF
SEC. 28, T3N, R22E
STA. 856+39.18

LAYOUT
SCALE 0 0.50 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH RIGHT OF WAY PLAT FOR PROJECT RC011818.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83(97), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

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FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

PARCEL IDENTIFICATION NUMBERS WAY NOT POINT TO ALL AREAS OF ACOUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REOUIRED.

EXISTING ACCESS CONTROL ALONG CTH H HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT -NONE-

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: RECORD DEEDS, RACINE COUNTY PROJ. 61-72H, CSMSs.

REVISION DATE:
1/14/2019
7/10/2019

VILLAGE OF MOUNT PLEASANT

APPROVED BY:

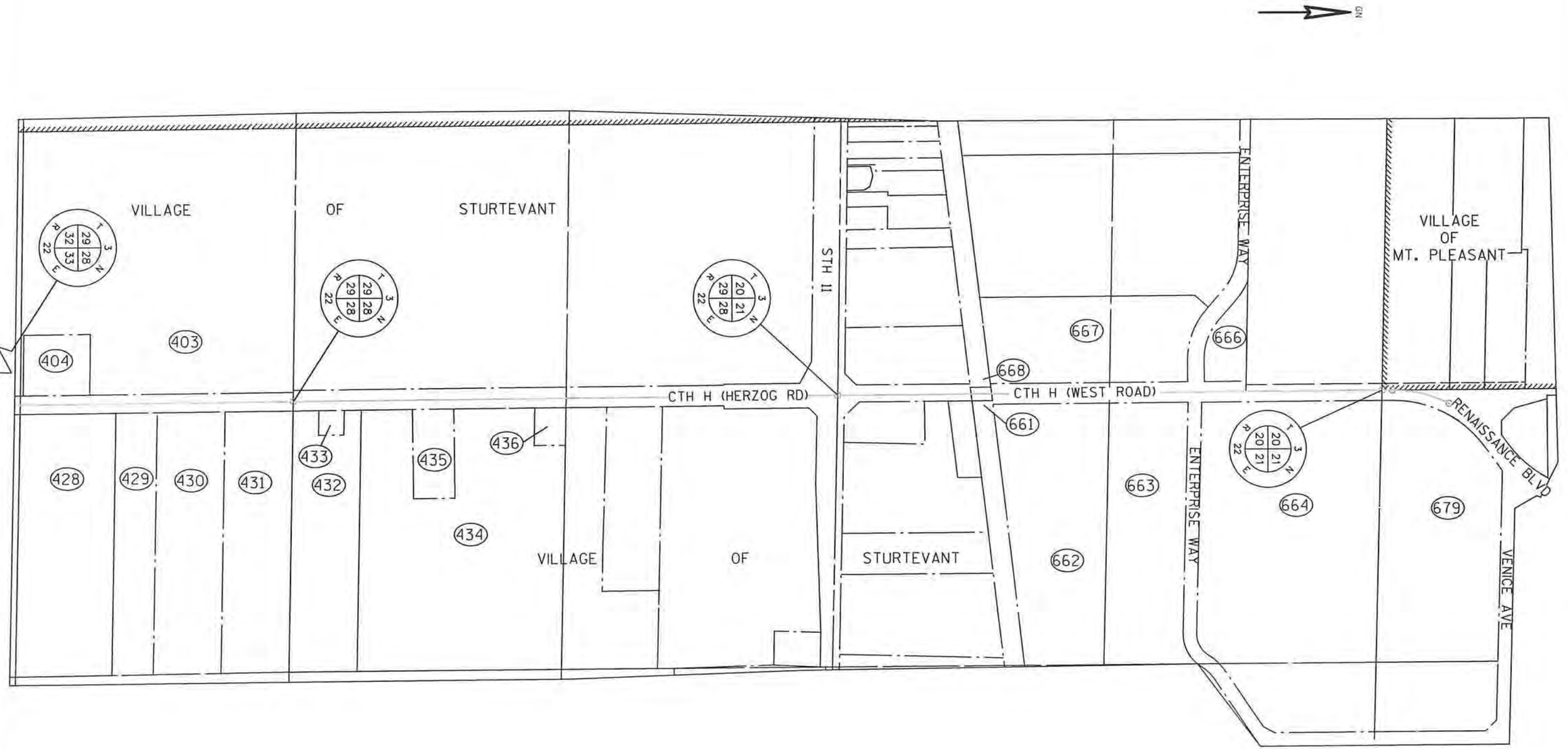
DATE:

525 E

FILE NAME : I:\TADI\17082 PROJECT FLYING EAGLE\060 CAD\V - SURVEY\020 SURVEY DELIVERABLES (ALTA, CSM, PLAT TEXT)\RW PLATS\TRADITIONAL FORMAT\CTH H NORTH\CTH H NORTH TITLE SHEET.DWG PLOT DATE : 10/18/2017
LAYOUT NAME TPP Title

PLOT BY : PLOT NAME : APPRAISAL PLAT DATE :

4



REVISION DATE 1/14/2019 7/10/2019	DATE 1/18/2018	SCALE, FEET 0 250 500	HWY: CTH H	STATE R/W PROJECT NUMBER RC011818	PLAT SHEET 4. 01
	GRID FACTOR N/A		COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER 3760-00-70	PS&E SHEET 526 E

FILE NAME CTH H NORTH LAYOUT SHEET.DWG
LAYOUT NAME - CTH H layout 4 02

PLOT DATE : 7/10/2019 9:00 AM PLOT BY BAIBA ROZITE PLOT NAME PLOT SCALE

WISDOT/CADDS SHEET 75 03

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA BEING ACQUIRED.
*INDICATES COMPUTED AREA

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	PARCEL AREA ACRES	T.L.E. AREA REQUIRED ACRES	P.L.E. AREA REQUIRED ACRES	R/W AREA REQUIRED NEW ACRES	R/W AREA REQUIRED EXISTING ACRES	R/W AREA REQUIRED TOTAL ACRES	PARCEL NUMBER
403	4.03	MARY QUALLER	FEE, AR, TLE	37.82*	0.230	0.000	1.794	0.000	1.794	403
404	4.03	BRANDON G EVASKA & TAMMYRA M EVASKA	FEE	2.510*	0.000	0.000	2.179	0.000	2.179	404
428	4.03	JEROME L KONICEK & RYAN D KONICEK	TLE	13.88	0.225	0.000	0.000	0.000	0.000	428
429	4.03	KLASINSKI TRUST AGNES B	TLE	6.000	0.092	0.000	0.000	0.000	0.000	429
430	4.03	IAN CONNAUGHTON & JANE CONNAUGHTON	PLE, TLE	9.900	0.134	0.017	0.000	0.000	0.000	430
431	4.03	MATHIESEN LAND COMPANY LLC	TLE	9.675*	0.152	0.000	0.000	0.000	0.000	431
432	4.03	JANICE LECHNER	TLE	9.339*	0.105	0.000	0.000	0.000	0.000	432
433	4.03	JANICE LECHNER	TLE	0.490	0.014	0.000	0.000	0.000	0.000	433
434	4.03	GARY J WALVOORD	PLE, TLE	26.41*	0.363	0.008	0.000	0.000	0.000	434
435	4.03	JOSEPH M FOSS & JUDY A FOSS	TLE	2.000	0.115	0.000	0.000	0.000	0.000	435
436	4.03	RAMSEIER TRUST H W & M RAMSEUER TRSTTEES	PLE, TLE	0.640	0.067	0.029	0.000	0.000	0.000	436
661	4.04	CMC HEARTLAND PARTNERS	HE, TLE	4.362*	0.080	0.000	0.108(HE)	0.076	0.184(HE)	661
662	4.04	RONALD J HOEGSTED	AR, TLE	18.64*	0.261	0.000	0.000	0.000	0.000	662
663	4.04	GRAND ENTERPRISE DRIVE LLC	FEE, TLE	11.25*	0.165	0.000	0.013	0.000	0.013	663
664	4.04	PROLOGIS RACINE LLC	FEE TLE	30.52*	0.208	0.000	0.175	0.000	0.175	664
665	4.04	BORZYNSKI BROS. PROPERTIES	AR	20.20*	0.000	0.000	0.000	0.503	0.503	665
666	4.04	VILLAGE OF STURTEVANT	FEE, TLE	1.592*	0.061	0.000	0.037	0.000	0.037	666
667*	4.04	ASHLEY ENTERPRISES LLC	FEE, TLE	9.8	0.841	0.000	0.201	0.000	0.201	667
668	4.04	SOO LINE RAILROAD COMPANY REAL ESTATE DEPARTMENT	HE, TLE	3.3	0.080	0.000	0.108(HE)	0.076	0.184(HE)	668
679	4.04	JES STURTEVANT VENICE LLC ETA	FEE, TLE	16.08*	0.160	0.000	0.324	0.000	0.324	679

4

REVISED: 1/14/2019
7/10/2019*

DATE: 1/18/2018

HWY: CTH H

COUNTY: RACINE

R/W PROJECT NO. RC011818

CONSTRUCTION PROJECT NO. 3760-00-70

PLAT SHEET NO: 4.02

E

FILE NAME : $$; ;designfile: : $$

PLOT DATE: 9/26/2017 PLOT BY : ---- PLOT NAME : ---- PLOT SCALE:1

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
CTH H	61-72H	45'/55'	1974

VILLAGE OF MOUNT PLEASANT

VILLAGE OF STURTEVANT

NE 1/4-SE 1/4

SE 1/4-NE 1/4

S89° 11' 56"E 2659.53

BEGIN RELOCATION ORDER
0 FEET SOUTH AND 0 FEET WEST OF
THE SOUTHWEST CORNER OF SEC 28
T3N R22E STA 856+39.18

Y = 170230.15
X = 604629.10
CONC. MON. W/
BRASS CAP

2645.31'

2651.65'

Y = 175526.89
X = 604581.89
CONC. MON. W/
BRASS CAP

Y = 172875.36
X = 604606.35
CONC. MON. W/
BRASS CAP

PI: 882+84.49

403

404

13.46'

872+99.07
123.00'

123'

10'

882+87.34
123.00'

988.42'

R/W TO BE ACQUIRED UNDER PROJ NO. 1320-23-00

R/W TO BE ACQUIRED UNDER PROJ NO. RC092617

869+64.85
123.00'

870 875 880 885 890 895

NO° 29' 34"W R.L. = C.L. CTH H = SECTION LINE

NO° 31' 43"W R.L. = C.L. CTH H = SECTION LINE

SEE DETAIL

SEE DETAIL

5'

82.93'

25' 90.29' 870+50.00 70.00' 871+20.00 70.00' 25' 302.59' 874+22.59 60.00'/70.00' 199.96' 20' 330.00' 330.00' 125.73' 884+08.81 50.00' 122.00' 865+30.81 50.00' 249.13' 200.00' 25' 383.15' 115.76' 882+80.96 70.00'

NW 1/4-SW 1/4

SW 1/4-NW 1/4

S88° 54' 42"E 2634.75

428 429 430 431 432 433 434 435 436

VILLAGE OF STURTEVANT

PLE DETAIL

15.00' 15.00' 50.00' 330.00' 877+69.76 60.00' 878+19.76 60.00' 430

PLE DETAIL

895

35.00' 47.00' 35.00' 894+45.45 80.00' 894+92.45 80.00' 434 436

4

4

REVISION DATE	DATE 1/18/18	SCALE, FEET 0 100 200	HWY: CTH H	STATE R/W PROJECT NUMBER RC011818	PLAT SHEET 4.03	
1/14/2019 7/10/2019	GRID FACTOR N/A		COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER 3760-00-70	PS&E SHEET	E

FILE NAME CTH H NORTH DETAIL SHEETS.DWG
LAYOUT NAME - 4.03 1 IN 200 FT

PLOT DATE : 7/10/2019 8:43 AM PLOT BY BAIBA ROZITE PLOT NAME PLOT SCALE

WISDOT/CADDS SHEET 7S

4

4

Y = 175526.89
X = 604581.89
CONC. MON. W/
BRASS CAP

LOT 2
CSM 3149

LOT 1
CSM 3149

OUTLOT 1
CSM 3149

NE 1/4-SE 1/4

SE 1/4-SE 1/4

SW 1/4-SW 1/4

NW 1/4-SW 1/4

SE 1/4-NE 1/4

Y = 178181.27
X = 604562.85
CONC. MON. W/
BRASS CAP

Y = 180828.93
X = 604543.49
CONC. MON. W/
BRASS CAP

VILLAGE OF MT. PLEASANT

VILLAGE OF STURTEVANT

ENTERPRISE WAY

1/16TH LINE

1/4 SECTION LINE

SECTION LINE

CTH H (WEST ROAD)

RENAISSANCE BLVD

VENICE AVE

NO ACCESS PER CSM 3149

NO ACCESS PER CSM 2894

NO ACCESS PER CSM 2367

2654.44'

2647.66'

S88° 47' 40"E 2647.54

2650.53'

N0° 25' 09"W
50.49'

PC: 936+41.07

PI STA = 939+50.56
Y = 178541.242
X = 604559.951
DELTA = 54°34'18"
D = 9°32'57"
T = 309.49'
L = 571.47'
R = 600.00'
PC STA = 936+41.07
PT STA = 942+12.54

N45° 24' 39"W
47.93'

N44° 35' 16"E
48.94'

1903.62'

968.06'

498.22'

127.11'

N1° 50' 21"E 305.66

82.53'

920

925

930

935

940

945

38.89'

39.60'

169.86'

663.62'

878.43'

578.11'

55.03'

70.03'

N0° 24' 39"W R.L. = C.L. CTH H = SECTION LINE

78.50'

34.49'

33.46'

368.84'

566.29'

S44° 35' 21"W
47.30'

S46° 44' 52"E
81.90'

S2° 30' 25"E
246.07'

S0° 25' 07"E
52.69'

N54° 03' 38"E
57.49'

N54° 03' 38"E
74.30'

L=488.14, R=531.32
LC=471.15
N25° 52' 49"E

L=102.23, R=888.79
LC=102.17
N49° 41' 15"E

PT: 942+12.54

PC: 942+70.03

PI STA = 945+78.90
Y = 178937.740
X = 605107.283
DELTA = 54°28'40"
D = 9°32'57"
T = 308.87'
L = 570.49'
R = 600.00'
PC STA = 942+70.03
PT STA = 948+40.52

END RELOCATION ORDER
1065.34 FEET NORTH AND 542.18
FEET EAST OF THE EAST 1/4
CORNER OF SEC 20 T3N R22E
STA 948+40.52

EP: 948+40.52

LOT 2
CSM 1968
V6 P13

LOT 1
CSM 2384

LOT 2
CSM 2894

LOT 1
CSM 2894

LOT 1
CSM 2367

PAR 3
CSM 1969

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
CTH H	CSM 2894	50'	2008
CTH H	CSM 3149	50'	2015
CTH H	DEED DOC 2345446	50'	2013
ENTERPRISE WAY	CSM 3149	80'	2015
ENTERPRISE WAY	CSM 2894	66'	2008
VENICE AVE	CSM 1969	66'	YEAR
RENAISSANCE BLVD	CSM 1968	VARIES	YEAR

REVISION DATE
1/14/2019
7/10/2019

DATE 1/18/18
GRID FACTOR N/A

SCALE, FEET
0 100 200

HWY: CTH H
COUNTY: RACINE

STATE R/W PROJECT NUMBER RC011818
CONSTRUCTION PROJECT NUMBER 3760-00-70

PLAT SHEET 4.04
PS&E SHEET 529

E

FILE NAME : CTH H NORTH DETAIL SHEETS DWG
LAYOUT NAME - 4 04 1 IN 200 FT

PLOT DATE : 7/10/2019 8:53 AM PLOT BY : BAIBA ROZITE PLOT NAME PLOT SCALE

WISDOT/CADDS SHEET 75

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
MP081717		
CONSTRUCTION PROJECT NUMBER 2704-09-70	4.00	8

PLAT OF RIGHT OF WAY REQUIRED FOR

BRAUN ROAD

I-94 EAST FRONTAGE ROAD TO CTH H

BRAUN ROAD — RACINE COUNTY

2-20-2018

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	PUBLIC ROAD ACCESS POINT	PRAP
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
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EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

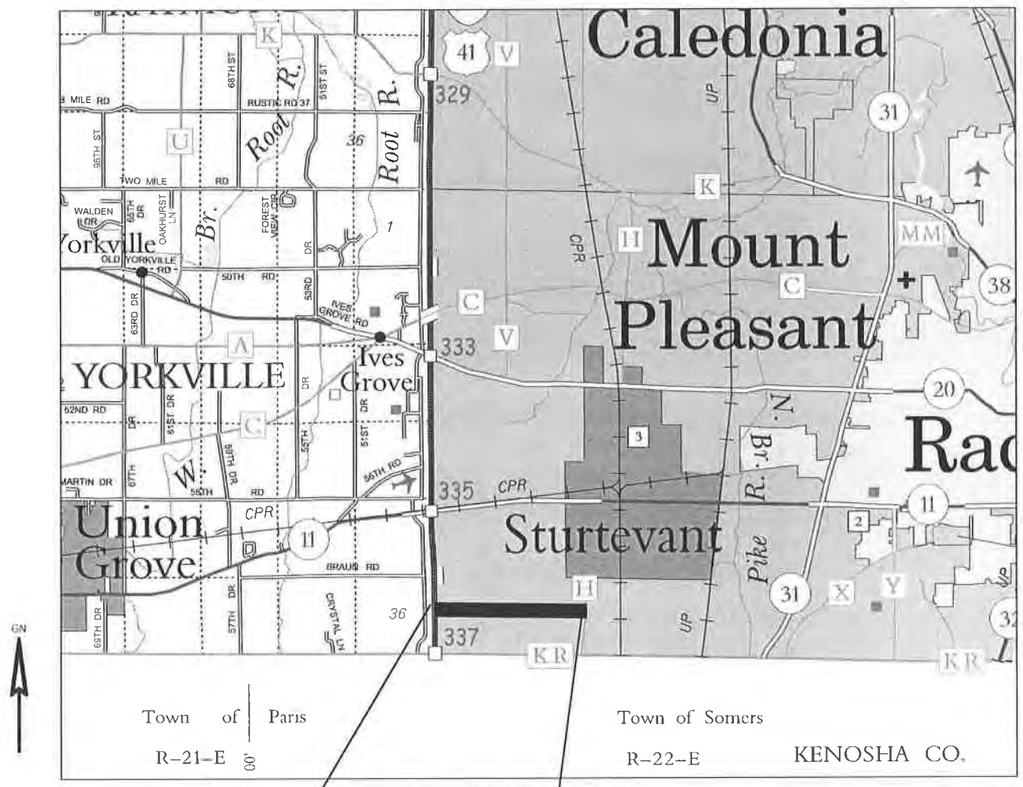
R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN IP (1-INCH UNLESS NOTED)

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER (25) UTILITY NUMBER (40)
PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER



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AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING ACCESS CONTROL ALONG BRAUN ROAD HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT -NONE-

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: TPP 1030-24-21-4.02 & -4.03, SS 82.31(2), CSM 3020, CSM 3154.

REVISION DATE:
12/19/2017
1/05/2018
2/13/2018

VILLAGE OF MOUNT PLEASANT

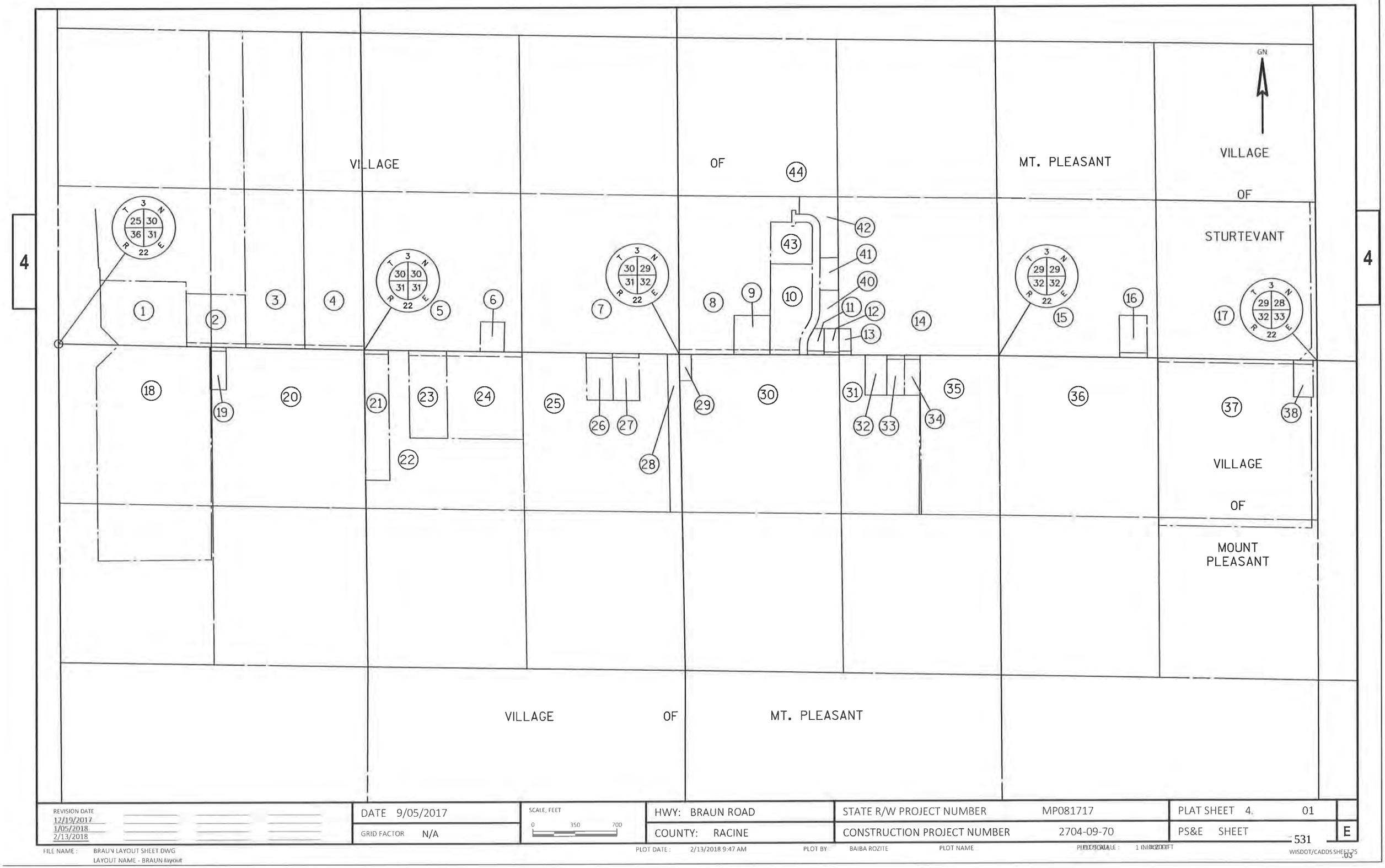
APPROVED BY:

DATE:_____

530 E

FILE NAME : I:\TADI\17082 PROJECT FLYING EAGLE\060 CADD\V - SURVEY\020 SURVEY DELIVERABLES (ALTA, CSM, PLAT TEXT)\RW PLATS\TRADITIONAL FORMAT\BRAUN\BRAUN TITLE SHEET.DWG PLOT DATE : 10/18/2017 PLOT BY : PLOT NAME : APPRAISAL PLAT DATE :

LAYOUT NAME : TPP Title



REVISION DATE 12/19/2017 1/05/2018 2/13/2018	DATE 9/05/2017	SCALE, FEET 0 350 700	HWY: BRAUN ROAD	STATE R/W PROJECT NUMBER MP081717	PLAT SHEET 4. 01
	GRID FACTOR N/A		COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER 2704-09-70	PS&E SHEET 531 E

FILE NAME : BRAUN LAYOUT SHEET DWG
LAYOUT NAME - BRAUN layout
PLOT DATE : 2/13/2018 9:47 AM PLOT BY BAIBA ROZITE PLOT NAME PLOT SCALE : 1 IN. = 200 FT
WISDOT/CADDS SHEET 25 03

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA BEING ACQUIRED.
*INDICATES COMPUTED AREA

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	PARCEL AREA ACRES	T.L.E. AREA REQUIRED ACRES	P.L.E. AREA REQUIRED ACRES	R/W AREA REQUIRED NEW ACRES	R/W AREA REQUIRED EXISTING ACRES	R/W AREA REQUIRED TOTAL ACRES	PARCEL NUMBER
1**	4.03	SLAVKO M GRCIC LIVING TRUST DATED MAY 9, 2012	FEE, TLE, AR	8.572	0.371		1.036	0.439	1.475	1
2	4.03	SLAVKO M GRCIC LIVING TRUST DATED MAY 9, 2012	FEE, TLE, AR	4.628	0.282		0.772	0.373	1.095	2
3	4.03	JACK R PETERSEN AND PATRICIA A PETERSEN	FEE, TLE, AR	29.514	0.471		0.755	0.372	1.127	3
4	4.03	LEROY R PETERSEN AND SHARON K PETERSEN	FEE, TLE, AR	29.520	0.282		0.754	0.372	1.126	4
5	4.04	CREUZIGER FARMS INC	FEE, TLE, AR	79.200	0.639		1.717	0.845	2.562	5
6	4.04	GEORGE N CREUZIGER AND VELLABE CREUZIGER	FEE	1.147	--		0.996	0.151	1.147	6
7**	4.04	CREUZIGER FARMS INC AND	FEE, PLE, TLE, AR	80.280	0.755	0.136	2.024	0.997	3.021	7
8	4.05	THOMAS W FLIESS JR	FEE, TLE, AR	22.126*	0.348		0.631	--	0.631	8
9	4.05	RUDOLPH R BAKER AND ATHENA V BAKER	FEE	2.001*	--		2.001	--	2.001	9
10	4.05	SARAH MAYER AND SHAWN MAYER	FEE, TLE, AR	5.255	0.510		1.578	--	1.578	10
11	4.05	RONALD J HOEGSTED AND CAROL M HOEGSTED	FEE	0.643*	--		0.537	0.106	0.643	11
12	4.05	FORREST BAUER AND JENNIFER BAUER	FEE	0.625*	--		0.554	0.071	0.625	12
13	4.05	BOWER TRUST	FEE	0.505	--		0.429	0.076	0.505	13
14	4.05	LINDA LAMPAREK	FEE, TLE, AR	80.390	1.497		1.903	0.934	2.837	14
15	4.06	THOMAS W FLIESS AND CHERIE FLIESS	FEE, TLE, AR	78.621*	0.631		1.695	0.830	2.525	15
16	4.06	TRAVIS S SPENCER AND KATHERINE R SPENCER	FEE	1.652	--		1.652	--	1.652	16
17**	4.07	DOUG R FUNK	FEE	38.830	--		37.922	0.908	38.830	17
18**	4.03	UNIVERSITY OF LAWSONOMY	FEE, TLE, AR	18.670	0.402		1.413	0.590	2.003	18
19	4.03	TODD D POHJOLA AND JULIE B POHJOLA	FEE	1.142	--		1.000	0.102	1.102	19
20	4.03	BROUWERS AND DAVID BROUWERS 1/4 INT	FEE, TLE, AR	37.630	1.175		1.763	0.8686	2.631	20
21	4.04	THEODORE M WASIAK AND JEAN A WASIAK	FEE	5.002	--		4.853	0.150	5.002	21
22	4.04	LYNN S BAUMANN AND LORI ANDERSON	FEE, TLE, AR	59.446*	0.097		0.261	0.128	0.389	22
23	4.04	LAURA A JAHNKE AND JOHN THOMAS ANDERSON	FEE, TLE, AR	5.290*	0.181		0.435	--	0.435	23
24**	4.04	LEE ANN GOOLD AND TIMOTHY J ANDERSON	FEE, PLE	10.000	--	0.076	10.000	--	10.000	24
25**	4.04	BUISSE AND LINDA D RAMOS	FEE, PLE, TLE, AR	33.005*	0.301	0.009	1.189	0.586	1.775	25
26	4.04	CAROL R ECKHOLM AND JAY R ECKHOLM	FEE	1.796	--		1.796	--	1.796	26
27	4.04	SHERRI L SHAVER	FEE	1.999*	--		1.831	0.168	1.999	27
28	4.04	LINDA D RAMOS AND WAYNE P BUISSE	FEE, TLE, AR	43.212*	0.057		0.154	0.076	0.230	28
29	4.05	LINDA D RAMOS AND WAYNE P BUISSE	FEE	0.505	--		0.429	0.076	0.505	29
30	4.05	BUISSE AND LINDA D RAMOS	FEE, TLE, AR	80.458*	0.901		1.904	0.937	2.841	30
31	4.06	BOWER FAMILY TRUST	FEE, TLE, AR	16.796*	0.124		0.335	0.165	0.500	31
32	4.05	BOWER FAMILY TRUST	FEE	1.393*	--		1.256	0.137	1.393	32
33	4.05	SHANNON A HILBERT AND NICHOLAS A HILBERT	FEE	1.132	--		1.020	0.112	1.132	33
34	4.05	JUAN F GARCIA AND SENORINA M GARCIA	FEE	0.999*	--		0.901	0.098	0.999	34
35	4.05	BOWER TRUST LE ROY S	FEE, TLE, AR	20.483*	0.379		1.016	0.500	1.516	35
36	4.06	THOMAS W FLIESS	FEE, TLE, AR	81.395*	0.763		2.049	1.007	3.056	36
37	4.07	THOMAS E RIEDEL AND BARBARA J RIEDEL	FEE, TLE, AR	25.045*	0.979		2.225	0.857	3.082	37
38	4.07	JOSEPH M JANICEK AND KIMBERLY K JANICEK	FEE	1.153*	--		1.029	0.124	1.153	38
40	4.05	RONALD J HOEGSTED AND CAROL M HOEGSTED	FEE, TLE, AR	1.207	0.185		0.054	--	0.054	40
41	4.05	PEUSCHOLD TRUST DANNY C & KIMBERLY A	TLE, AR	0.9331	0.155		--	--	--	41
42	4.05	RANDY S BURROW	FEE, TLE, AR	2.332	0.293		0.662	--	0.662	42
43	4.05	SARAH MAYER AND SHAWN MAYER	FEE	2.749	--		2.749	--	2.749	43
44	4.05	CREUZIGER FARMS	AR	40.54	--		--	--	--	44

4

REVISED: 12/19/2017, 1/05/2018, 2/13/2018**

DATE: 9/05/2017

HWY: BRAUN ROAD

COUNTY: RACINE

R/W PROJECT NO. MP081717

CONSTRUCTION PROJECT NO. 2704-09-70

PLAT SHEET NO: 4.02

E

FILE NAME : $$....designfile....$$

PLOT DATE: 2/20/2018 PLOT BY : ----- PLOT NAME : ---- PLOT SCALE: 1

SW 1/4-SW 1/4

SE 1/4-SW 1/4

NW 1/4-NW 1/4

NE 1/4-NW 1/4

SECTION LINE
N0° 07' 52"W 2644.99

SECTION LINE
N0° 17' 38"W 2667.69

I94 EAST FRONTAGE ROAD

1/4 SECTION LINE

1/16 LINE

PL

NO ACCESS TPP
1030-24-21-4.03

NO ACCESS
PROJ I101-1(3)

L=380.31, R=16407.25
LC=380.30,
N01° 16' 12"W

Y = 170399.04
X = 594126.82
CAST IRON W/
BRASS CAP

BP: 50+00.00

N88° 54' 52"E
5.00'

S0° 50' 44"E
137.33'

N0° 17' 00"W
112.96'

S0° 17' 00"E
89.13'

S44° 29' 08"E
103.98'

53+53.03
-172.52'

54+27.55
-100.00'

N44° 36' 37"W
213.49'

S88° 42' 26"E 502.01

N45° 25' 24"E
214.15'

BEGIN RELOCATION ORDER
0 FEET SOUTH AND 0 FEET
EAST OF THE NORTHWEST
CORNER OF SEC. 31 T3N R22E
STA 50+00.00

N0° 27' 15"W 186.16'

54+32.87
100.00'

53+60.54
174.56'

S45° 25' 24"W
103.88'

S0° 27' 15"E
165.08'

N89° 32' 45"E
7.00'

S0° 34' 14"E

N1° 17' 34"E
12.00'

S0° 22' 06"E

62+60.60
125.00'

63+95.57
125.00'

S88° 42' 26"E R.L. BRAUN ROAD= SECTION LINE

TLE FOR DEMOLITION

69+00.00
-125.00'/-200.00'

70+10.00
-125.00'/-200.00'

75+35.09
-100.00'/-125.00'

72+00.00
125.00'/275.00'

73+50.00
125.00'/275.00'

75+40.57
100.00'/125.00'

634.38'
491.80'
490.82'
490.57'
562.83'
491.72'
490.81'
490.55'
755.01'
135.00'
1146.25'
537.13'
290.27'
1146.73'
804.43'
110.00'
100'
25'
13'
112'
150.00'
192.40'

1 2 3 4 18 19 20

4 4

Y = 170341.77
X = 596664.43
CAST IRON W/
BRASS CAP

GN

VILLAGE OF MT. PLEASANT

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94 & E FRONTAGE RD	TPP 1030-24-21-4 02 & 4 03	VARIES	2011
BRAUN RD	SS 82 31(2)	66'	

REVISION DATE
12/19/2017
1/05/2018
2/13/2018

DATE 11/15/2017

GRID FACTOR N/A

SCALE, FEET
0 100 200

HWY: BRAUN ROAD

COUNTY: RACINE

STATE R/W PROJECT NUMBER MP081717

CONSTRUCTION PROJECT NUMBER 2704-09-70

PLAT SHEET 4 03

PS&E SHEET 533

E

FILE NAME BRAUN DETAIL SHEETS DWG
LAYOUT NAME - DETAIL 1 1 IN 200 FT

PLOT DATE : 2/20/2018 11:01 AM PLOT BY BAIBA ROZITE PLOT NAME PLOT SCALE

WISDOT/CADDS SHEET 75

GN

VILLAGE OF MT. PLEASANT

SW 1/4-SE 1/4

SE 1/4-SE 1/4

Y = 170341.77
X = 596664.43
CAST IRON W/
BRASS CAP

T 3 N
R E
30 30
31 31
22

PL

1/4 LINE

PLE FOR CULVERT

PI: 75+38.26

75+35.09 -100.00'/-125.00'

85+04.78 -125.00'

87+04.78 -125.00'

90+36.23 -144.00'

91+71.23 -144.00'

101+69.77 -100.00'/-125.00'

44.00'

331.45'

135.00'

44.00'

100'

25'

995.80'

969.10'

146.85'

1315.95'

250'

966.52'

80

85

200.00'

149.24'

90

95

100

1315.75'

200.00'

169.27'

33'

40'

S89° 02' 31"E R.L. BRAUN ROAD= SECTION LINE

534.69'

221.45'

221.45'

238.17'

100.00'

315.52'

630.95'

169.62'

535.03'

238.17'

75+40.57 100.00'/125.00'

77+41.69 125.00'

82+26.80 125.00'

37.00'

87+68.23 137.00'

37.00'

88+68.23 137.00'

90.00'

10.00'

PLE FOR CULVERT

25'

100'

93+92.97 125.00'

98+35.86 125.00'

101+69.77 100.00'/125.00'

21

22

23

24

25

26

27

28

LOT 1
CSM 3222

LOT 2
CSM 3222

LOT 1
CSM 1611

NW 1/4-NE 1/4

NE 1/4-NE 1/4

VILLAGE OF MT. PLEASANT

1/4 SECTION LINE

SECTION LINE

T 3 N
R E
30 29
31 32
22

Y = 170297.77
X = 599295.57
CAST IRON W/
BRASS CAP

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
I-94 & E FRONTAGE RD	TPP 1030-24-21-4 02 & 4 03	VARIES	2011
BRAUN RD	SS 82 31(2)	66'	

4

4

REVISION DATE
12/19/2017
1/05/2018
2/13/2018

DATE 9/05/2017

GRID FACTOR N/A

SCALE, FEET
0 100 200

HWY: BRAUN ROAD

COUNTY: RACINE

STATE R/W PROJECT NUMBER MP081717

CONSTRUCTION PROJECT NUMBER 2704-09-70

PLAT SHEET 4 04

PS&E SHEET

E

FILE NAME BRAUN DETAIL SHEETS.DWG
LAYOUT NAME - DETAIL 2 1 IN 200 FT

PLOT DATE : 2/20/2018 11:01 AM PLOT BY BAIBA ROZITE PLOT NAME PLOT SCALE :

WISDOT/CADDS SHEET 75

4

4

GN

SW 1/4-SW 1/4

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
WHEATON LANE	CSM 3020	66'	2011
BRAUN RD	SS 82.31(2)	66'	

SECTION LINE

Y = 170297.77
X = 599295.57
CAST IRON W/
BRASS CAP

T 3 N R 22 E
30 29
31 32

LOT 4
CSM 3020

LOT 1
CSM 3020

LOT 2
CSM 3020

LOT 3
CSM 3020

WHEATON LN

BRAUN RD

(8) (9) (10) (11) (12) (13) (14) (29) (30) (31) (32) (33) (34) (35) (40) (41) (42) (43) (44)

111+67.52
-1322.65'

113+43.52
-1322.08'

S89° 22' 49"E
320.48'

N0° 26' 03"E
147.66'

111+67.51
-1174.96'

N89° 25' 49"W
60.13'

111+75.51
-1108.96'

L=182.21, R=116.00
LC=164.05,
N44° 33' 46"W

S0° 24' 28"E
509.94'

S89° 33' 45"E
152.10'

111+50.49
-758.96'

N0° 26' 15"E
270.50'

S0° 24' 28"E
270.53'

N89° 33' 45"W
156.12'

N0° 24' 28"W
321.53'

L=146.25, R=279.32
LC=144.59,
N15° 26' 15"E

N30° 26' 15"E
18.51'

N89° 33' 45"W
46.68'

113+68.46
-219.85'

L=80.71, R=153.60
LC=79.79,
N15° 23' 02"E

N30° 26' 15"E
69.51'

111+75.45
-100.00'

109+28.22
-125.00'

106+26.79
-125.00'

113+43.45
-100.00'

116+08.65
-125.00'

101+69.77
-100.00'/-125.00'

458.31'

246.23'

302.40'PL

246.22' PL

1071.66'

744.35'

1237.40'

100.06'

S89° 33' 57"E R.L. BRAUN ROAD= SECTION LINE 1237.59'

1236.99'

1124.78'

N0° 26' 14"E
50.00'

N0° 26' 14"E
33.00'

140.00'

125.62'

100.05'

218.12'

181.32'

147.65'

130.00'

1237.53'

660.37'

661.23'

216.85'

165.81'

155.69'

658.99'

247.11'

263.13'

320.48'

TLE FOR DEMOLITION

110.18'

75.00'

103+85.00
125.00'/200.00'

102+74.82
125.00'/200.00'

117+26.16
125.00'

121+85.13
125.00'

123+50.00
-125.00'/-320.00'

125+25.00
-125.00'/-320.00'

175.00'

195.00'

318.00'

128+43.42
-100.00'/-125.00'

128+47.39
-100.00'/125.00'

Y = 170277.51
X = 601970.80
CAST IRON W/
BRASS CAP

VILLAGE OF MT. PLEASANT

NW 1/4-NW 1/4

SE 1/4-SW 1/4

NE 1/4-NW 1/4

REVISION DATE	DATE 9/05/2017	SCALE, FEET	HWY: BRAUN ROAD	STATE R/W PROJECT NUMBER MP081717	PLAT SHEET 4 05	
12/19/2017 1/05/2018 2/13/2018	GRID FACTOR N/A	0 100 200	COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER 2704-09-70	PS&E SHEET 535	E

FILE NAME : BRAUN DETAIL SHEETS.DWG
LAYOUT NAME - DETAIL 3 1 IN 200 FT

PLOT DATE : 2/20/2018 11:01 AM PLOT BY : BAIBA ROZITE PLOT NAME : PLOT SCALE : WISDOT/CADDS SHEET 75

4

VILLAGE OF MT. PLEASANT

GN

Y = 170277.51
X = 601970.80
CAST IRON W/
BRASS CAP

SW 1/4-SE 1/4

Y = 170230.15
X = 604629.10
CAST IRON W/
BRASS CAP

VILLAGE OF MT PLEASANT

PL

LOT 1
CSM 3154

128+43.42
100.00'/125.00'

128+47.39
100.00'/125.00'

139+54.74
125.00'

140+85.16
125.00'

141+71.33
125.00'

141+79.20
100.00'/125.00'

100'

25'

15

16

36

1013.01'

85.95'

230.42'

130

1012.99'

135

40

140

1329.36'

S88° 58' 46"E R.L. BRAUN ROAD= SECTION LINE

1329.19'

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
BRAUN RD	SS 82.31(2), CSM 3154	66'/40'	

NW 1/4-NE 1/4

VILLAGE OF MT. PLEASANT

4

REVISION DATE
12/19/2017
1/05/2018
2/13/2018

DATE 9/05/2017

GRID FACTOR N/A

SCALE, FEET
0 100 200

HWY: BRAUN ROAD

COUNTY: RACINE

STATE R/W PROJECT NUMBER MP081717

CONSTRUCTION PROJECT NUMBER 2704-09-70

PLAT SHEET 4 06

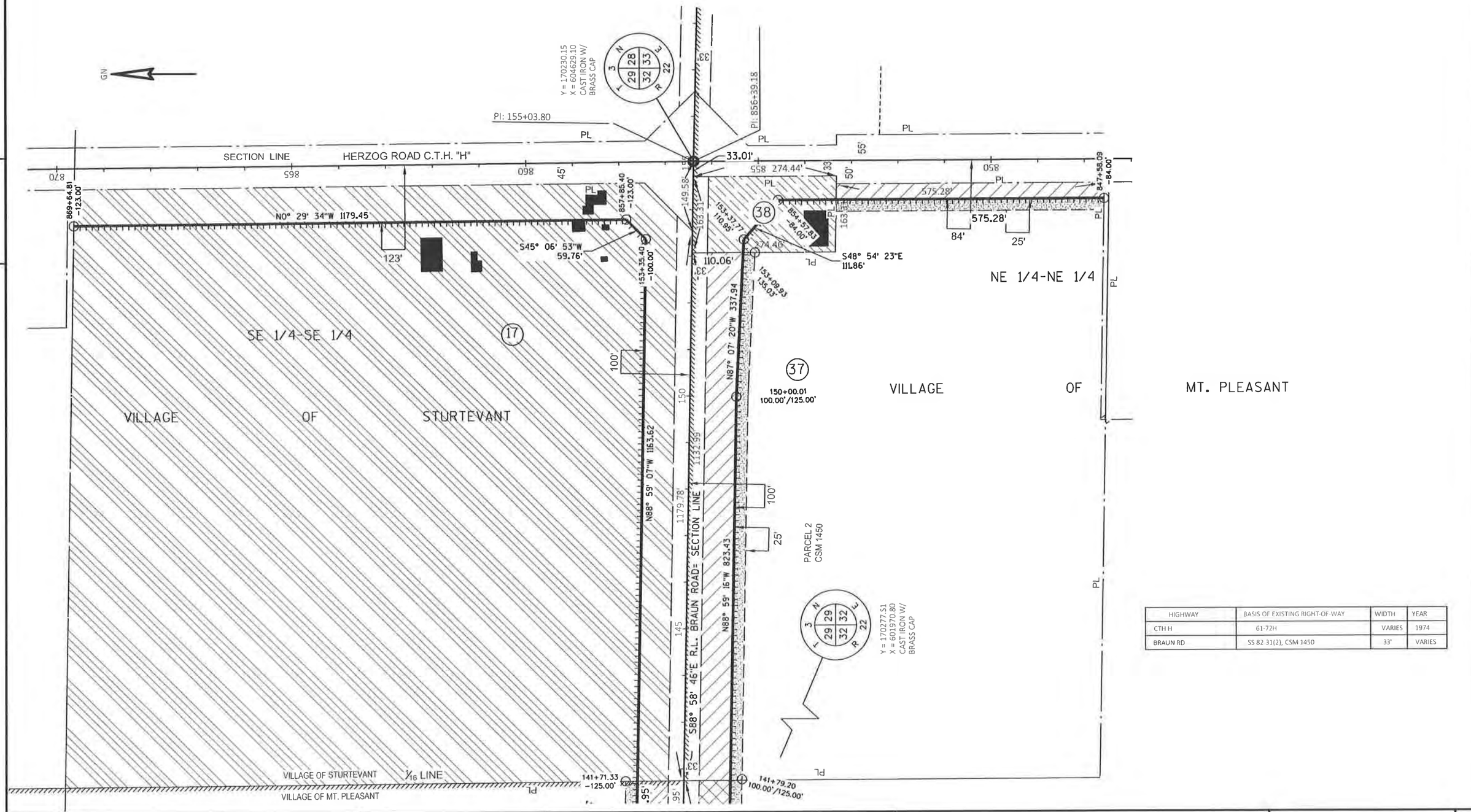
PS&E SHEET 536

E

FILE NAME BRAUN DETAIL SHEETS.DWG
LAYOUT NAME - DETAIL 4 1 IN 200 FT

PLOT DATE : 2/14/2018 10:29 AM PLOT BY : BAIBA ROZITE PLOT NAME : PLOT SCALE : 1.0000 '/ IN

WISDOT/CADDS SHEET 75



HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
CTH H	61-72H	VARIES	1974
BRAUN RD	SS 82.31(2), CSM 1450	33'	VARIES

REVISION DATE	DATE 9/05/2017	SCALE, FEET	HWY: BRAUN ROAD	STATE R/W PROJECT NUMBER MP081717	PLAT SHEET 4. 07	
12/19/2017 1/05/2018 2/13/2018	GRID FACTOR N/A	0 100 200	COUNTY: RACINE	CONSTRUCTION PROJECT NUMBER 2704-09-70	PS&E SHEET	E

FILE NAME BRAUN DETAIL SHEETS.DWG
LAYOUT NAME - DETAIL 5 1 IN 200 FT

PLOT DATE : 2/14/2018 10:29 AM PLOT BY : BAIBA ROZITE PLOT NAME : PLOT SCALE : ####/####

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
MP011718		
CONSTRUCTION PROJECT NUMBER 2704-09-70	4.00	6

PLAT OF RIGHT OF WAY REQUIRED FOR

BRAUN ROAD

CTH H TO 90TH ST

BRAUN ROAD — RACINE COUNTY

6-14-2019

CONVENTIONAL ABBREVIATIONS

ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	PUBLIC ROAD ACCESS POINT	PRAP
ALUMINUM	ALUM	RECORDED AS	(100')
AND OTHERS	ET AL	REEL / IMAGE	R/I
BACK	BK	REFERENCE LINE	R/L
BLOCK	BLK	REMAINING	REM
CENTERLINE	C/L	RESTICTIVE DEVELOPMENT EASEMENT	RDE
CERTIFIED SURVEY MAP	CSM	RIGHT	RT
CONCRETE	CONC	RIGHT OF WAY	R/W
COUNTY	CO	SECTION	SEC
COUNTY TRUNK HIGHWAY	CTH	SEPTIC VENT	SEPV
DISTANCE	DIST	SQUARE FEET	SF
CORNER	COR	STATE TRUNK HIGHWAY	STH
DOCUMENT NUMBER	DOC	STATION	STA
EASEMENT	EASE	TELEPHONE PEDESTAL	TP
EXISTING	EX	TEMPORARY LIMITED EASEMENT	TLE
GAS VALVE	GV	TRANSPORTATION PROJECT PLAT	TPP
GRID NORTH	GN	UNITED STATES HIGHWAY	USH
HIGHWAY EASEMENT	HE	VOLUME	V
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY NUMBER	NGS NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC) (TYPE)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING — TO BE REMOVED
BRIDGE

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (1-INCH UNLESS NOTED) IP

	COMPENSABLE	NON-COMPENSABLE
ELECTRIC POLE		
TELEPHONE POLE		
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)		

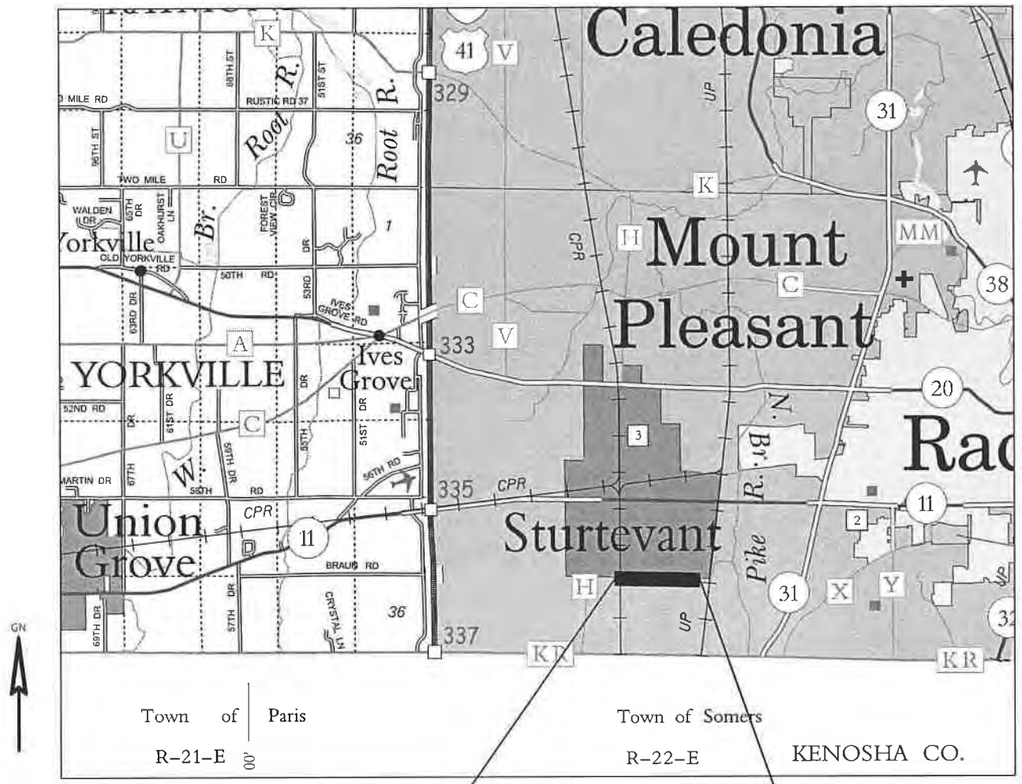
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)

PARCEL NUMBER (25) UTILITY NUMBER (40)

PARALLEL OFFSETS

CONVENTIONAL UTILITY SYMBOLS

WATER
GAS
TELEPHONE
OVERHEAD TRANSMISSION LINES
ELECTRIC
CABLE TELEVISION
FIBER OPTIC
SANITARY SEWER
STORM SEWER



BEGIN RELOCATION ORDER
0 FEET SOUTH AND 0 FEET WEST OF THE SOUTHWEST CORNER OF SEC. 28 T3N R22E
STA 155+03.80

END RELOCATION ORDER
23.65 FEET NORTH AND 1292.22 FEET EAST OF THE SOUTHEAST CORNER OF SEC. 28 T3N R22E
STA 221+00.00

LAYOUT SCALE 0 0.50 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH RIGHT OF WAY PLAT FOR PROJECT MP011718.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, RACINE COUNTY, NAD83(97), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

FOR THE LATEST ACCESS/DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

PARCEL IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE SCHEDULE OF LANDS & INTERESTS REQUIRED.

EXISTING ACCESS CONTROL ALONG BRAUN ROAD HAS BEEN ESTABLISHED FROM PREVIOUS PROJECT -NONE-

EXISTING HIGHWAY RIGHT-OF-WAY SHOWN HEREIN IS BASED ON THE FOLLOWING POINTS OF REFERENCE: SS 82.31(2).

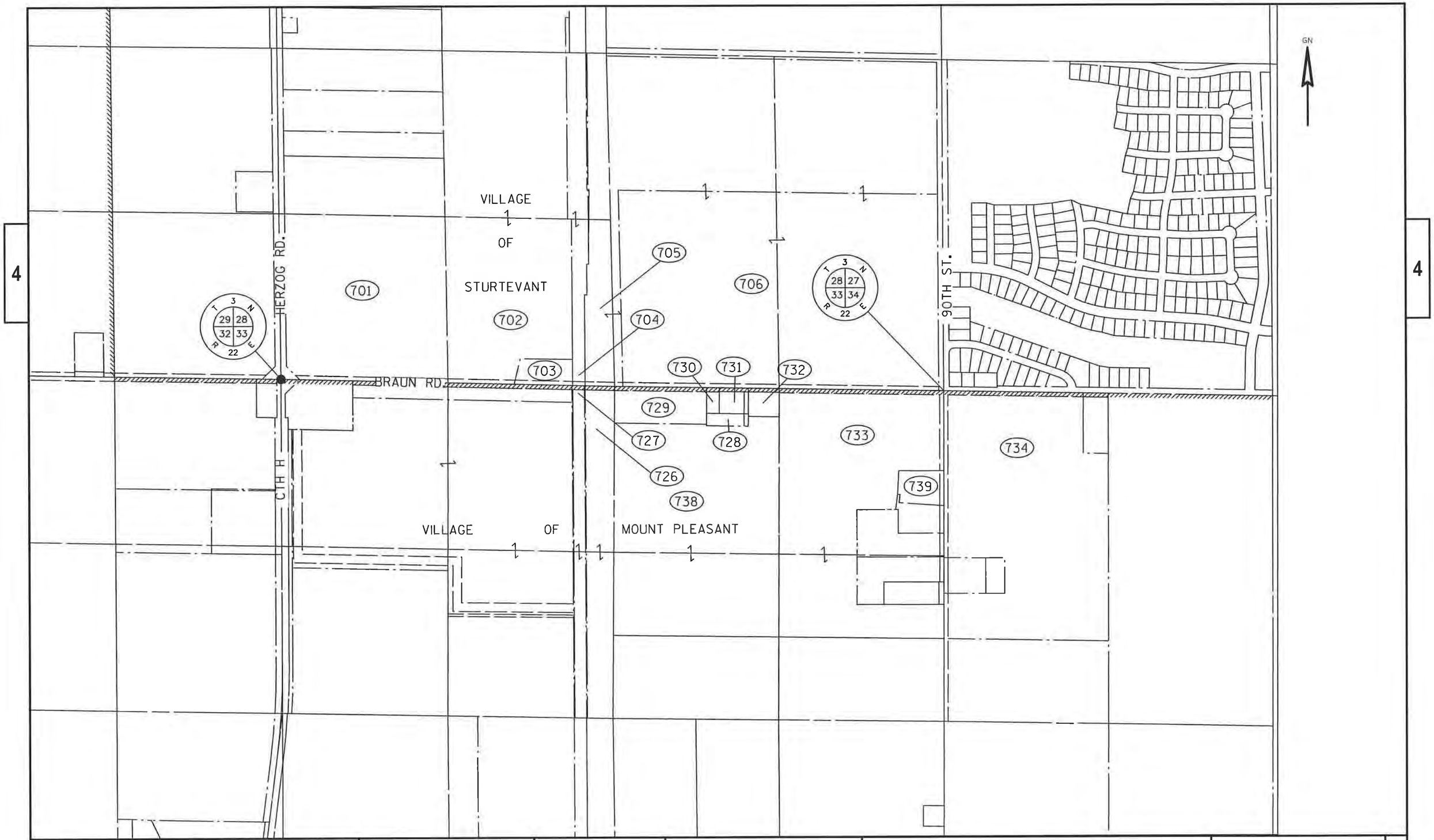
REVISION DATE:
2/06/2018
7/19/2018
4/18/2019
6/14/2019

VILLAGE OF MOUNT PLEASANT

APPROVED BY:

DATE:_____

FILE NAME : I:\TADI\17082 PROJECT FLYING EAGLE\060 CAD\V - SURVEY\020 SURVEY DELIVERABLES (ALTA, CSM, PLAT TEXT)\RW PLATS\TRADITIONAL FORMAT\BRAUN EAST\BRAUN EAST TITLE SHEET.DWG PLOT DATE : 10/18/2017 PLOT BY : PLOT NAME : APPRAISAL PLAT DATE :
LAYOUT NAME : TPP Title



REVISION DATE 6/14/2019 2/06/2018 7/19/2018 4/18/2019	DATE 1/17/2018 GRID FACTOR N/A	SCALE, FEET 0 350 700	HWY: BRAUN ROAD COUNTY: RACINE	STATE R/W PROJECT NUMBER MP011718 CONSTRUCTION PROJECT NUMBER 2704-09-70	PLAT SHEET 4.01 PS&E SHEET E

FILE NAME BRAUN EAST LAYOUT SHEET.DWG
LAYOUT NAME - BRAUN layout

PLOT DATE : 6/11/2019 4:31 PM PLOT BY PLOT NAME : PLOT SCALE : 1 IN/200 FT

WISDOT/CADDS SHEET 75.03

SCHEDULE OF LANDS & INTERESTS REQUIRED

AREAS SHOWN IN THE TOTAL ACRES COLUMN MAY BE APPROXIMATE AND ARE DERIVED FROM TAX ROLLS OR OTHER AVAILABLE SOURCES AND MAY NOT INCLUDE LANDS OF THE OWNER WHICH ARE NOT CONTIGUOUS TO THE AREA BEING ACQUIRED.
*INDICATES COMPUTED AREA

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	PARCEL AREA ACRES	T.L.E. AREA REQUIRED ACRES	P.L.E. AREA REQUIRED ACRES	R/W AREA REQUIRED NEW ACRES	R/W AREA REQUIRED EXISTING ACRES	R/W AREA REQUIRED TOTAL ACRES	PARCEL NUMBER
701 **‡‡	4.03	ADAMS STREET DEVELOPMENT, LLC	FEE, AR, TLE	38.915*	0.869	0.000	4.995	0.909	5.904	701
702**	4.03	ADAMS STREET DEVELOPMENT, LLC	FEE, TLE	59.35*	0.866	0.000	7.222	0.405	7.627	702
703**	4.03	ADAMS STREET DEVELOPMENT, LLC	FEE, TLE	2.094*	0.590	0.000	0.143	0.351	0.494	703
704	4.03	CM CORP	TLE	7.886*	0.058	0.000	0.000	0.076	0.076	704
705**	4.03	VILLAGE OF MOUNT PLEASANT	FEE, TLE	10.054*	0.037	0.000	0.000	0.230	0.230	705
706**‡	4.04	ADAMS STREET DEVELOPMENT, LLC	FEE, TLE	91.294*	1.526	0.000	0.148	1.916	2.064	706
726**	4.03	VILLAGE OF MOUNT PLEASANT	FEE, AR, TLE	13.464*	0.138	0.000	0.565	0.184	0.749	726
727	4.03	CM ST P RR	HE, TLE	12.00*	0.058	0.000	0.234(HE)	0.076	0.310(HE)	727
728*	4.04	VILLAGE OF MOUNT PLEASANT	FEE	0.765*	0.000	0.000	0.688	0.077	0.765	728
729**	4.04	VILLAGE OF MOUNT PLEASANT	FEE	4.962*	0.000	0.000	4.402	0.560	4.962	729
730**	4.04	VILLAGE OF MOUNT PLEASANT	FEE	0.471*	0.000	0.000	0.395	0.076	0.471	730
731*	4.04	VILLAGE OF MOUNT PLEASANT	FEE	1.094*	0.000	0.000	0.801	0.293	1.094	731
732*	4.04	VILLAGE OF MT. PLEASANT	FEE	1.280*	0.000	0.000	1.110	0.170	1.280	732
733**	4.04	VILLAGE OF MOUNT PLEASANT	FEE, AR, TLE	49.504*	0.985	0.000	3.590	1.460	5.050	733
734‡	4.05	HUBERT H. BRAUN TRUST	FEE, TLE	54.64*	0.894	0.000	2.123	1.835	3.958	734
738**	4.04	VILLAGE OF MOUNT PLEASANT	AR	51.748*	0.000	0.000	0.000	0.000	0.000	738
739‡	4.04	VILLAGE OF MOUNT PLEASANT	TLE	2.01*	0.057	0.000	0.000	0.000	0.000	739

4

REVISED: 2/06/2018, 7/19/2018**, 4/18/2019‡, 6/14/2019‡‡

DATE: 1/17/2018

HWY: BRAUN ROAD

COUNTY: RACINE

R/W PROJECT NO. MP011718

CONSTRUCTION PROJECT NO. 2704-09-70

PLAT SHEET NO: 4.02

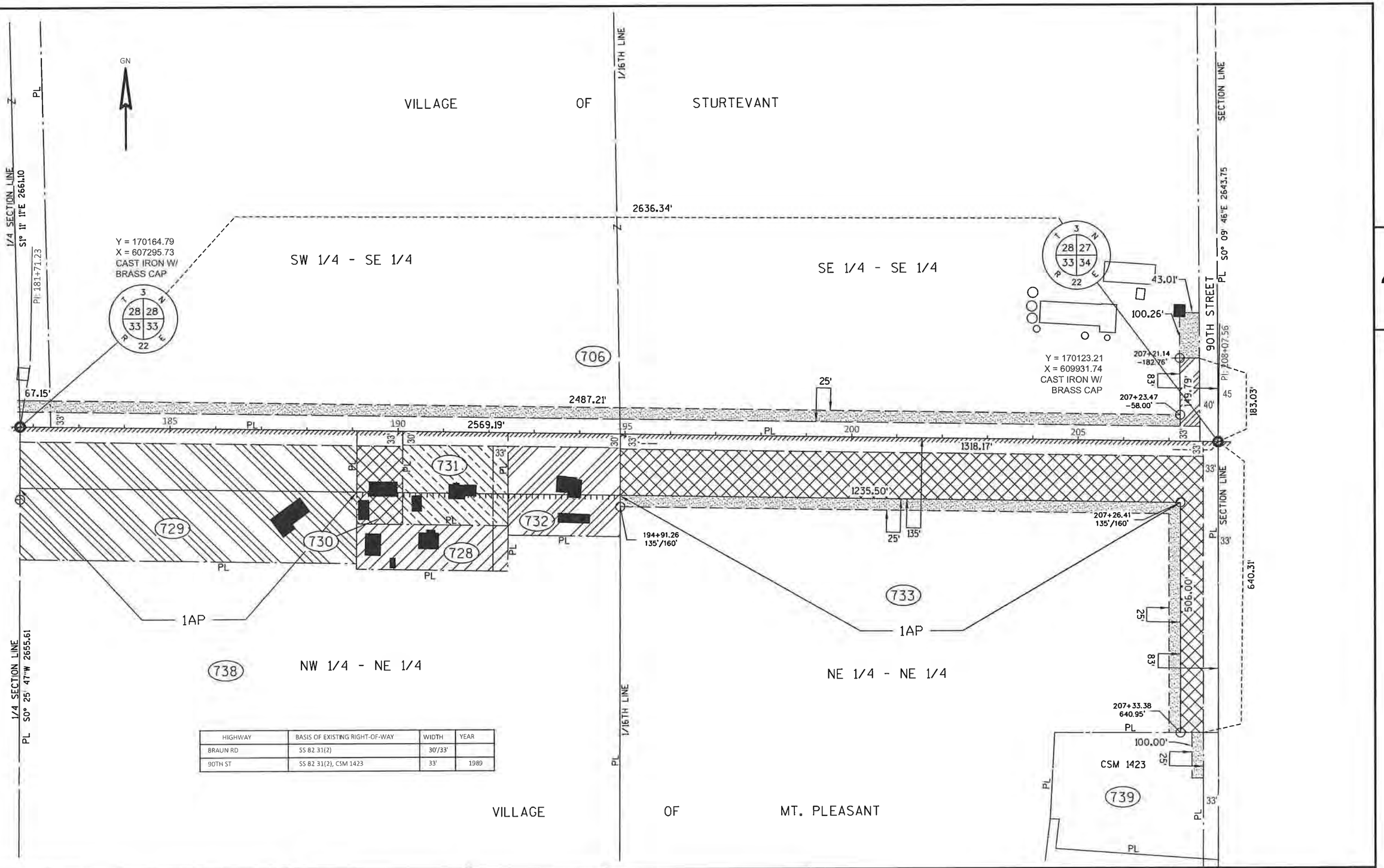
E

FILE NAME : $$....designfile:...$$

PLOT DATE: 6/13/2019 PLOT BY : ---- PLOT NAME : ---- PLOT SCALE: 1

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
BRAUN RD	SS 82.31(2)	33'	
CTH H	61-72H	45'	1974

S88° 45' 11"E 380.89
869+48.90
425.71'
PL
45'
N0° 29' 34"W 249.50
866+99.40
425 71'
N80° 13' 22"E 350.30
866+45.34
95.00'
866+42.88
80.00'
GN
865
15'
80'
N0° 29' 34"W
850.11'
2540.23'
796.19'
BEGIN RELOCATION ORDER
0 FEET SOUTH AND 0 FEET WEST OF
THE SOUTH WEST CORNER OF SEC 28
T3N R22E STA 155+03.80
TLE FOR
DEMOLITION
VILLAGE OF STURTEVANT
PL
2667.43'
TLE FOR
DEMOLITION
702
SW 1/4 - SW 1/4
1/16TH LINE
860
45'
N0° 29' 34"W R.L. CTH H= SECTION LINE
Pl: 155+03.80
857+92.78
80.00'
157+16.87
-213.00'
156+43.96
-93.00'
125.07'
Y = 170230.15
X = 604629.10
CAST IRON W/
BRASS CAP
T 3 N
R 29 28 E
32 33
22
701
N1° 24' 14"E
108.32'
169+40.00
-220.00'
240.00'
171+80.00
-220.00'
S1° 24' 14"W
122.72'
N13° 28' 51"E 546.20
N0° 50' 26"W 25.12
10'
168+33.87
-93.00'
N0° 50' 26"W
93.07'
107.31'
54.63'
93'
160+00.00
-93.00'
S88° 35' 46"E 1189.91
1216.16'
S85° 09' 45"E 396.08
172+29.24
-69.28'
90.84'
110.06'
PL
PL
PL



HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
BRAUN RD	SS 82.31(2)	30'/33'	
90TH ST	SS 82.31(2), CSM 1423	33'	1989

REVISION DATE
2/06/2018
7/19/2018
4/18/2019
6/14/2019

DATE 1/17/2018

GRID FACTOR N/A

SCALE, FEET
0 100 200

HWY: BRAUN ROAD

COUNTY: RACINE

STATE R/W PROJECT NUMBER MP011718

CONSTRUCTION PROJECT NUMBER 2704-09-70

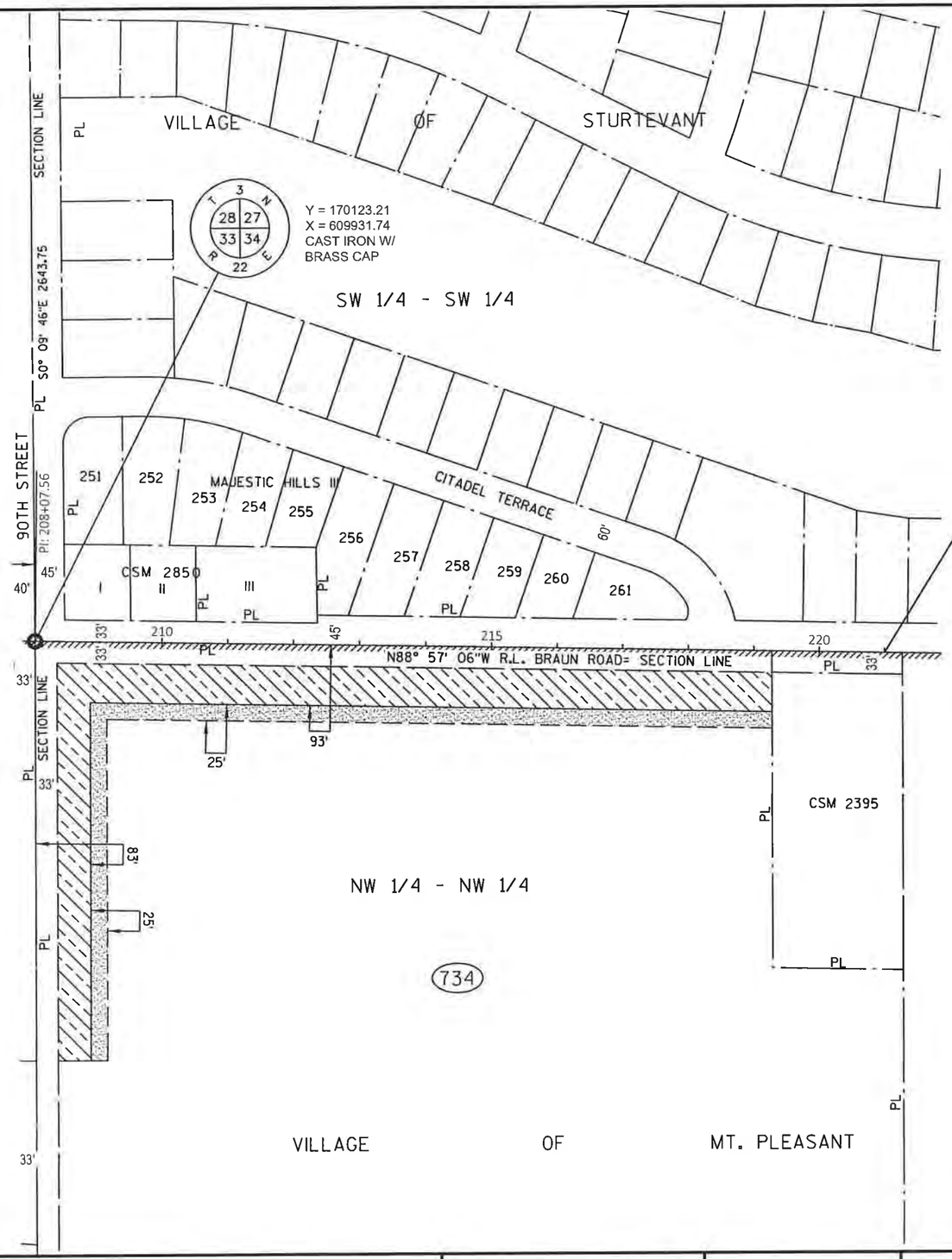
PLAT SHEET 4.04

PS&E SHEET E

FILE NAME BRAUN EAST DETAIL SHEETS.DWG
LAYOUT NAME - DETAIL 4.04 1 IN 200 FT

PLOT DATE : 6/11/2019 3:29 PM PLOT BY PLOT NAME PLOT SCALE : ##.## ' / IN

WISDOT/CADDS SHEET 75



GN

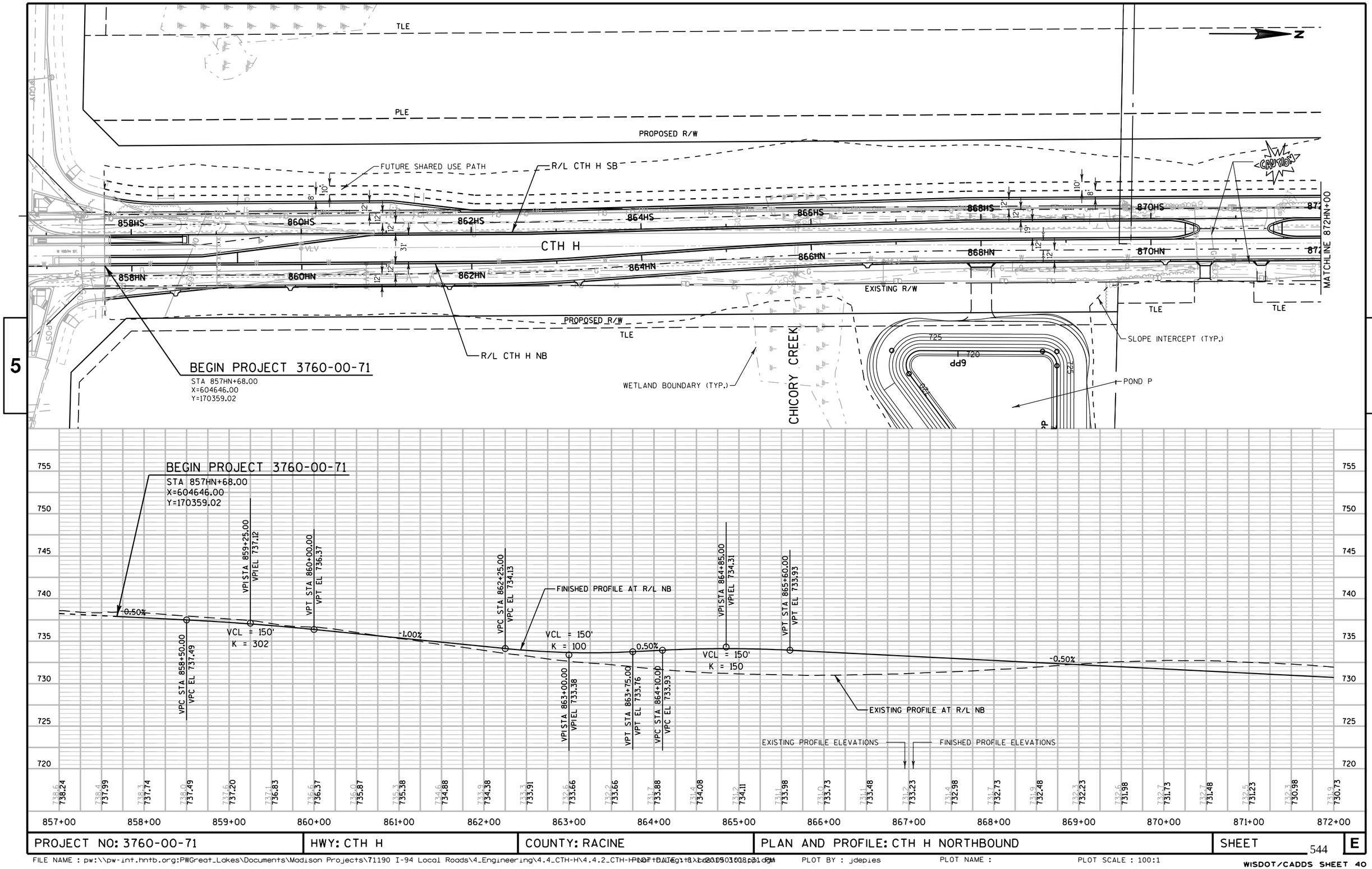
END RELOCATION ORDER
23.65 FEET NORTH AND 1292.22 FEET
EAST OF THE SOUTHEAST CORNER OF
SEC 28 T3N R22E STA 221+00

HIGHWAY	BASIS OF EXISTING RIGHT-OF-WAY	WIDTH	YEAR
BRAUN RD	SS 82.31(2), MAJESTIC HILLS III, CSM 2850, CSM 2395	33'/45'	VARIES
90TH ST	SS 82.31(2), MAJESTIC HILLS III, CSM 2850, CSM 1581	33'/45'	VARIES

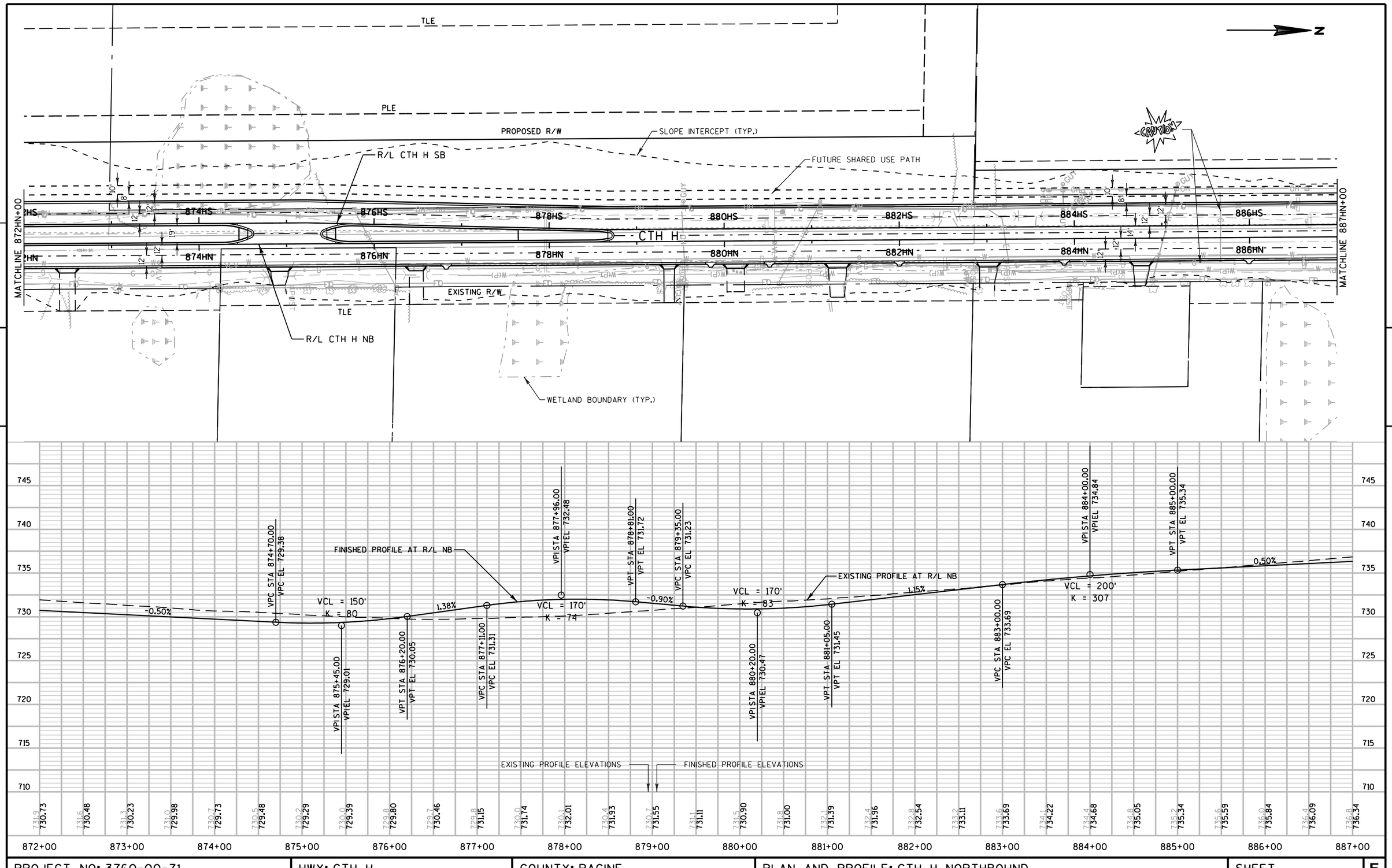
REVISION DATE 6/14/2019 2/06/2018 7/19/2018 4/18/2019	DATE 1/17/2018 GRID FACTOR N/A	SCALE, FEET 0 100 200	HWY: BRAUN ROAD COUNTY: RACINE	STATE R/W PROJECT NUMBER MP011718 CONSTRUCTION PROJECT NUMBER 2704-09-70	PLAT SHEET 4.05 PS&E SHEET

FILE NAME BRAUN EAST DETAIL SHEETS DWG
LAYOUT NAME - DETAIL 4 05 1 IN 200 FT

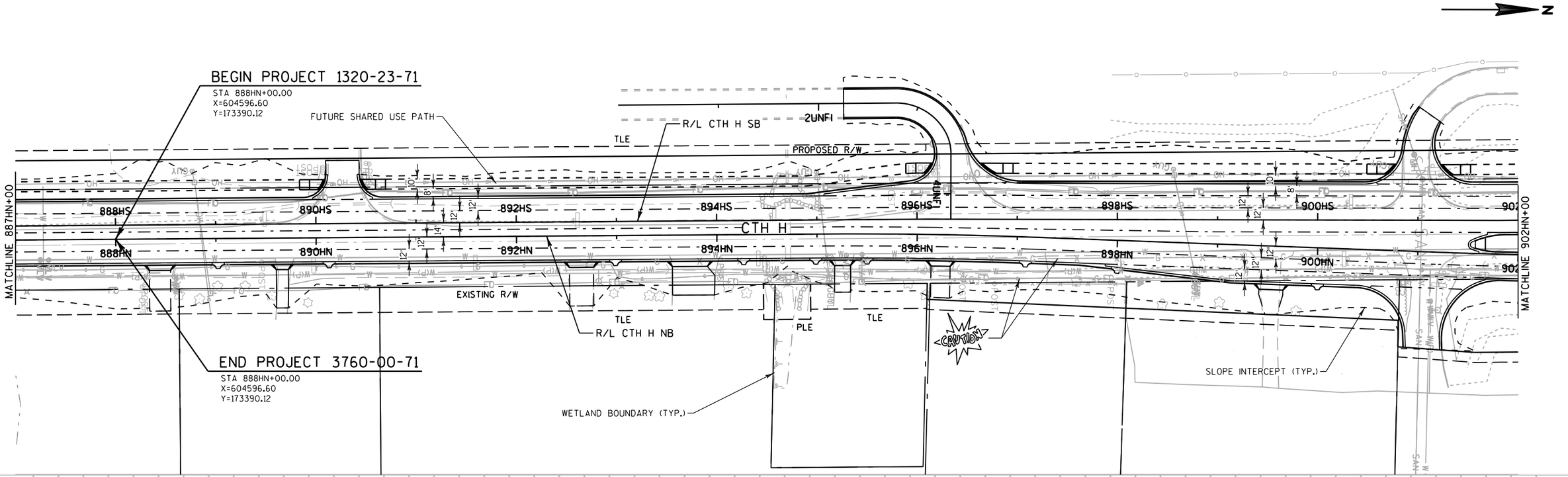
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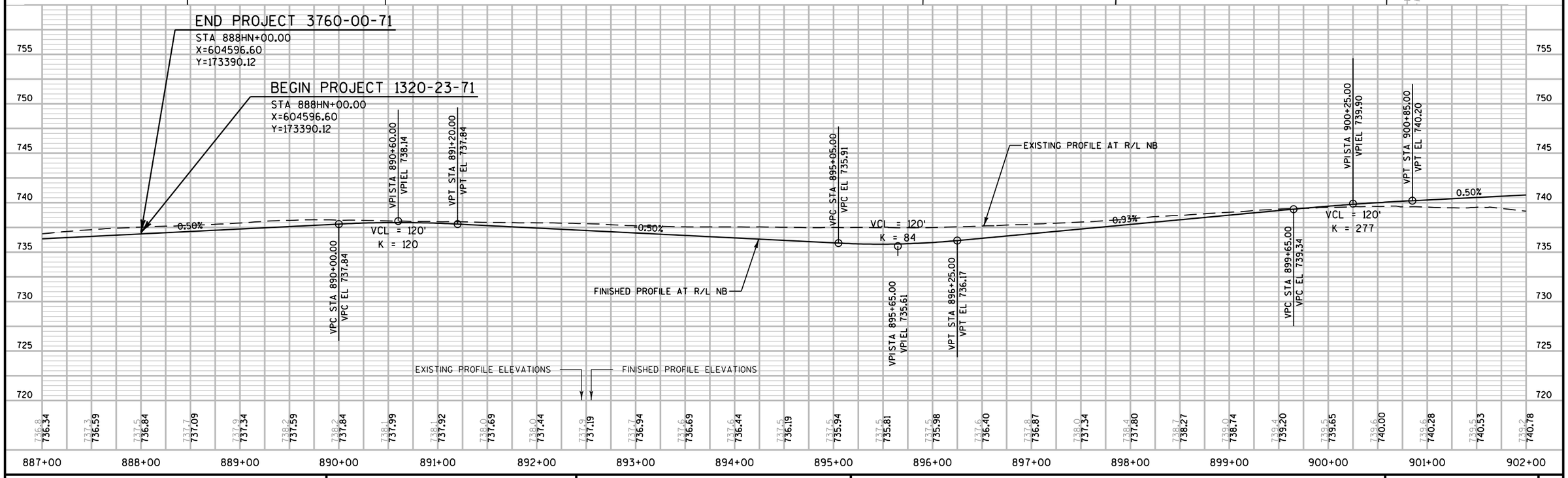


PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PLAN AND PROFILE: CTH H NORTHBOUND	SHEET 544	E

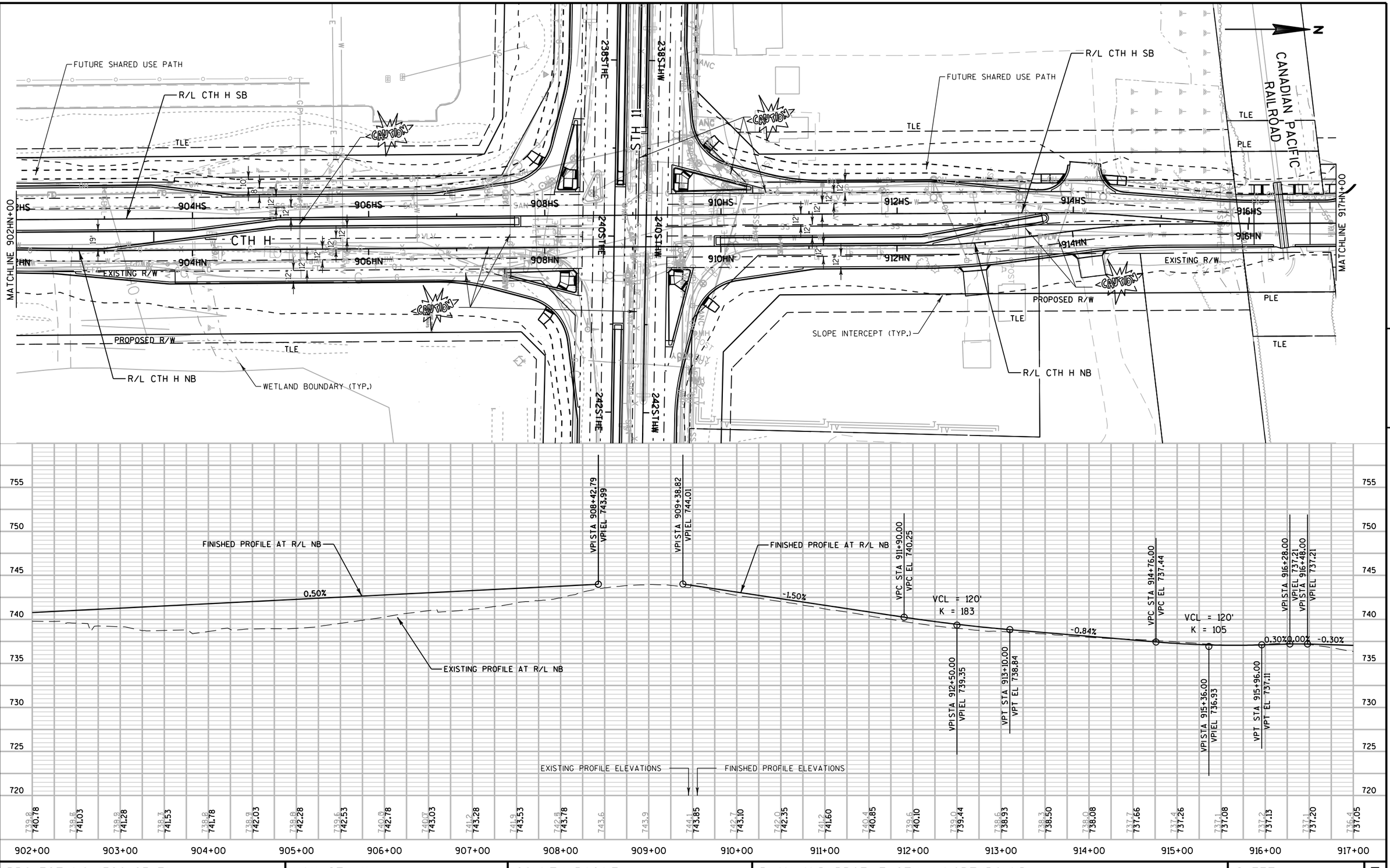


PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PLAN AND PROFILE: CTH H NORTHBOUND	SHEET 545	E





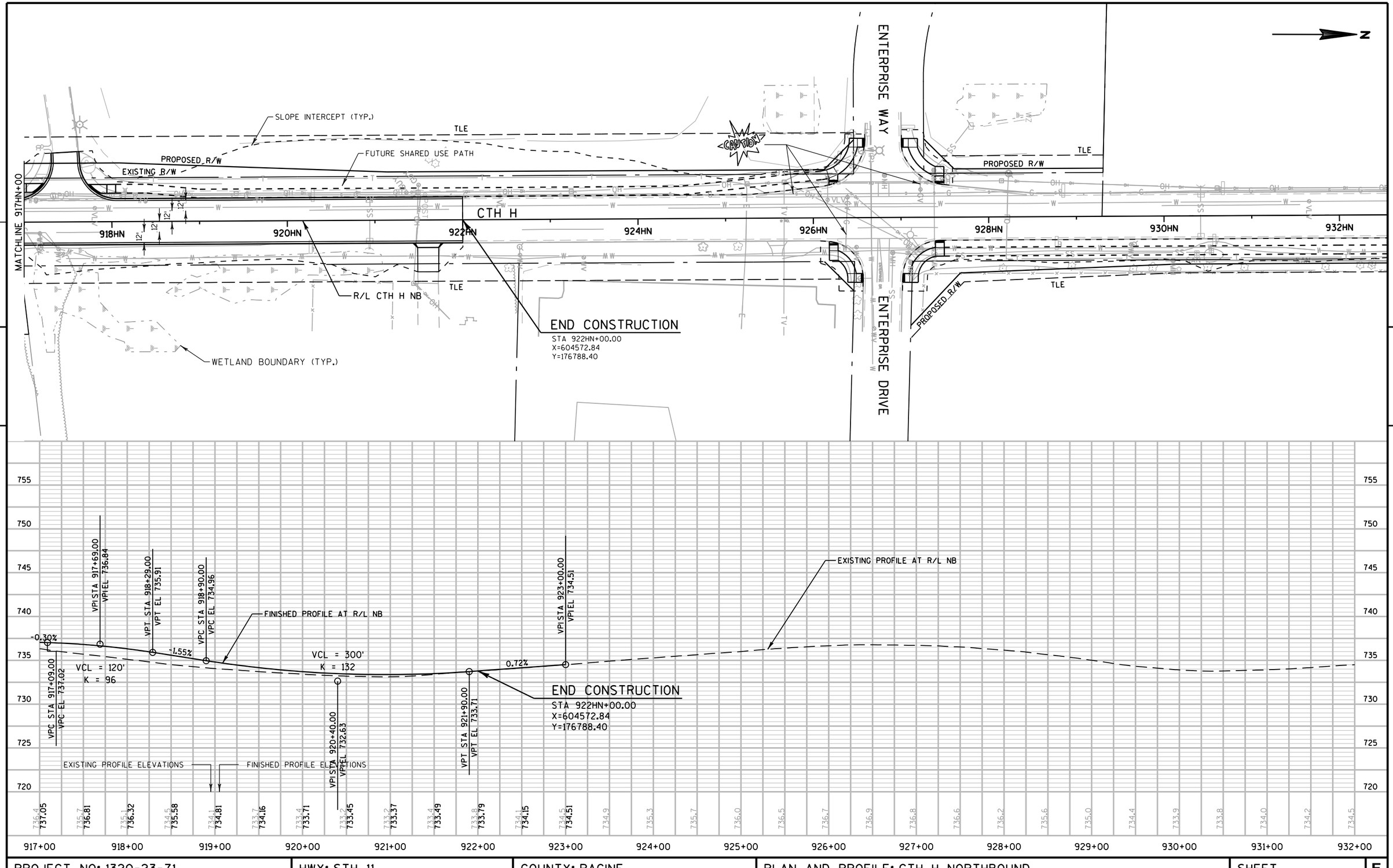
PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	PLAN AND PROFILE: CTH H NORTHBOUND	SHEET 546 E



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: CTH H NORTHBOUND	SHEET 547 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNP_Plan_20250108.pl.dgn PLOT DATE: 8/12/2025 10:08:08 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40



5

5

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: CTH H NORTHBOUND	SHEET 548 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_NOT_DATE\18x24 Plot Sheets\Plot Sheet.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40

TLE

PLE

PROPOSED R/W

FUTURE SHARED USE PATH

R/L CTH H SB

858HS 860HS 862HS 864HS 866HS 868HS 870HS

CTH H

858HN 860HN 862HN 864HN 866HN 868HN 870HN

MATCHLINE 872HS+00

EXISTING R/W

PROPOSED R/W

TLE

R/L CTH H NB

SLOPE INTERCEPT (TYP.)

WETLAND BOUNDARY (TYP.)

CHICORY CREEK

POND P

BEGIN PROJECT 3760-00-71
STA 857HN+68.00
X=604646.00
Y=170359.02

-0.50%

VCL = 150'
K = 322

-0.97%

VCL = 150'
K = 102

0.50%

VCL = 150'
K = 150

-0.50%

VPI STA 859+25.00
VPI EL 737.00

VPT STA 860+00.00
VPT EL 736.28

VPC STA 858+50.00
VPC EL 737.38

VPC STA 862+25.00
VPC EL 734.10

VPI STA 863+00.00
VPI EL 733.38

VPT STA 863+75.00
VPT EL 733.76

VPC STA 864+10.00
VPC EL 733.93

VPI STA 864+85.00
VPI EL 734.31

VPT STA 865+60.00
VPT EL 733.93

FINISHED PROFILE AT R/L SB

EXISTING PROFILE AT R/L SB

EXISTING PROFILE ELEVATIONS

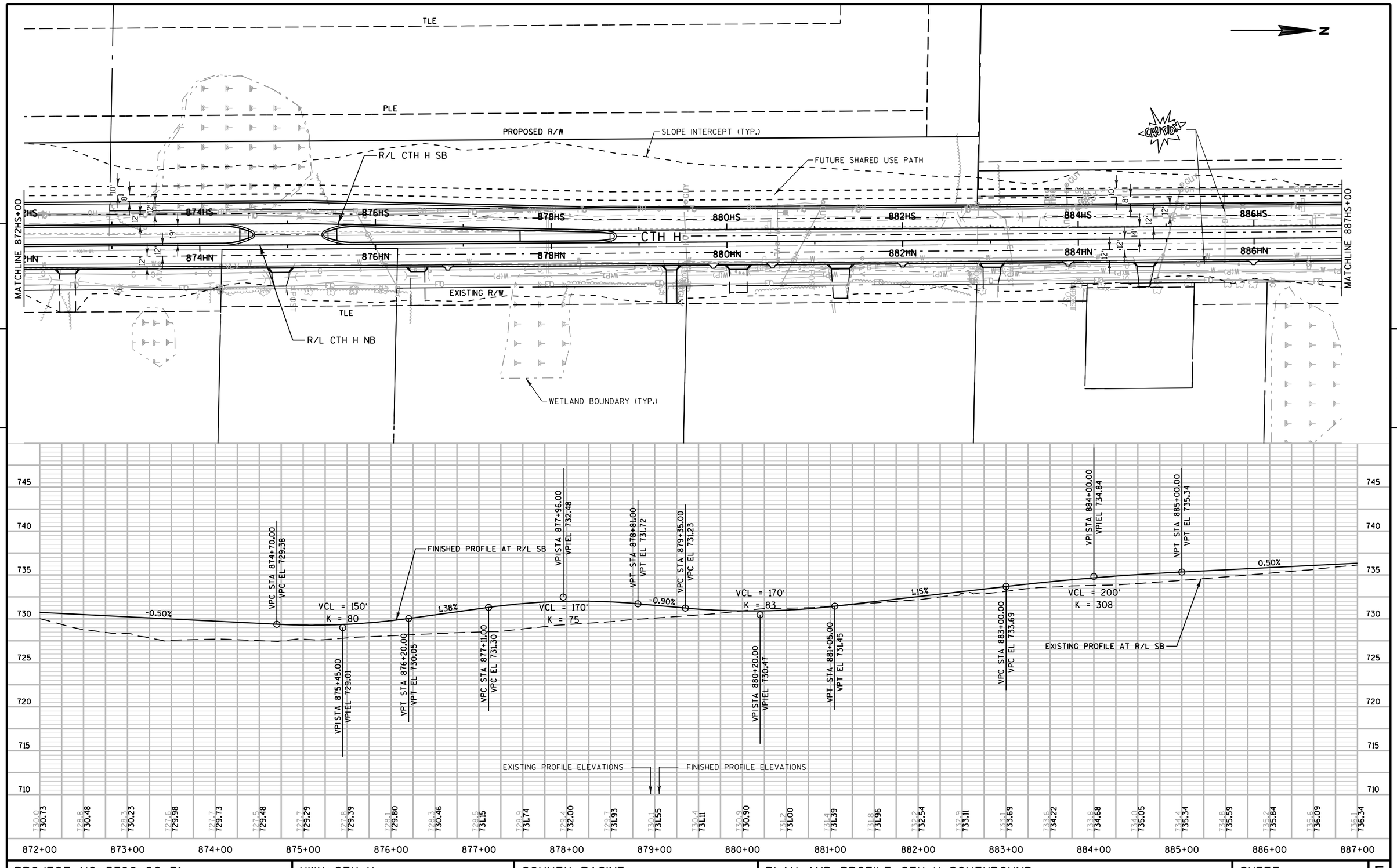
FINISHED PROFILE ELEVATIONS

755 750 745 740 735 730 725 720

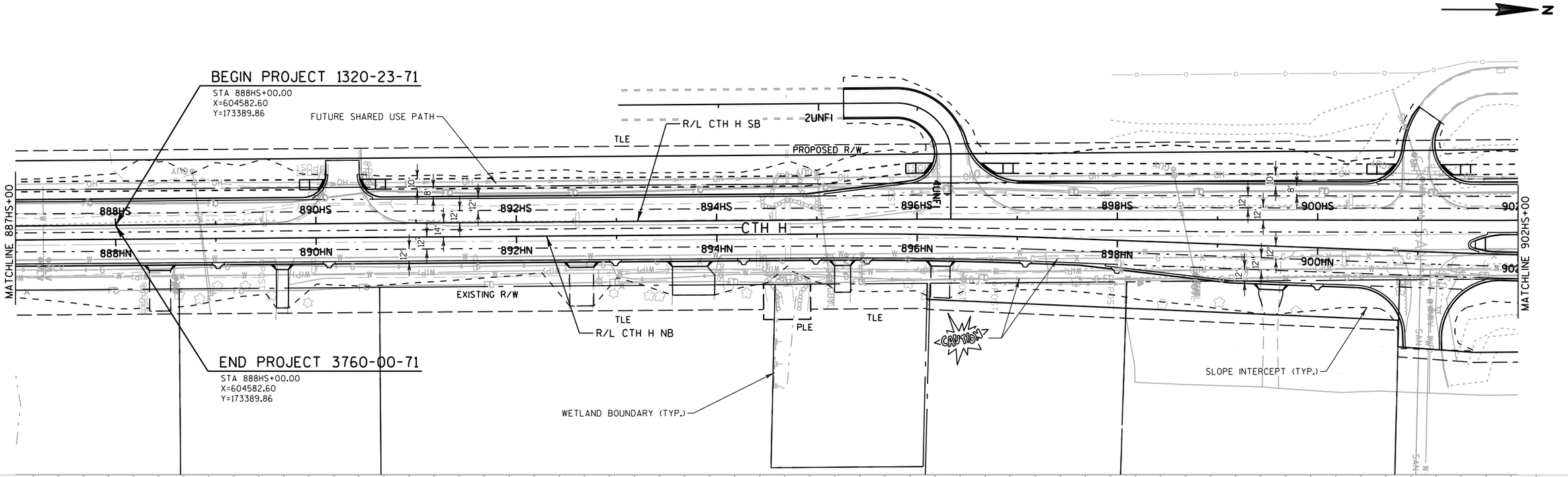
738.7 738.13 | 738.3 737.88 | 738.1 737.63 | 737.9 737.38 | 737.7 737.09 | 737.2 736.72 | 736.6 736.28 | 736.0 735.79 | 735.5 735.31 | 734.8 734.83 | 734.0 734.35 | 733.1 733.89 | 732.4 733.66 | 731.6 733.66 | 730.8 733.88 | 730.1 734.08 | 729.5 734.11 | 728.9 733.98 | 728.4 733.73 | 728.0 733.48 | 728.1 733.23 | 728.3 732.98 | 728.7 732.73 | 729.0 732.48 | 729.6 732.23 | 732.6 731.98 | 729.9 731.73 | 730.4 731.48 | 731.1 731.23 | 732.3 730.98 | 730.0 730.73

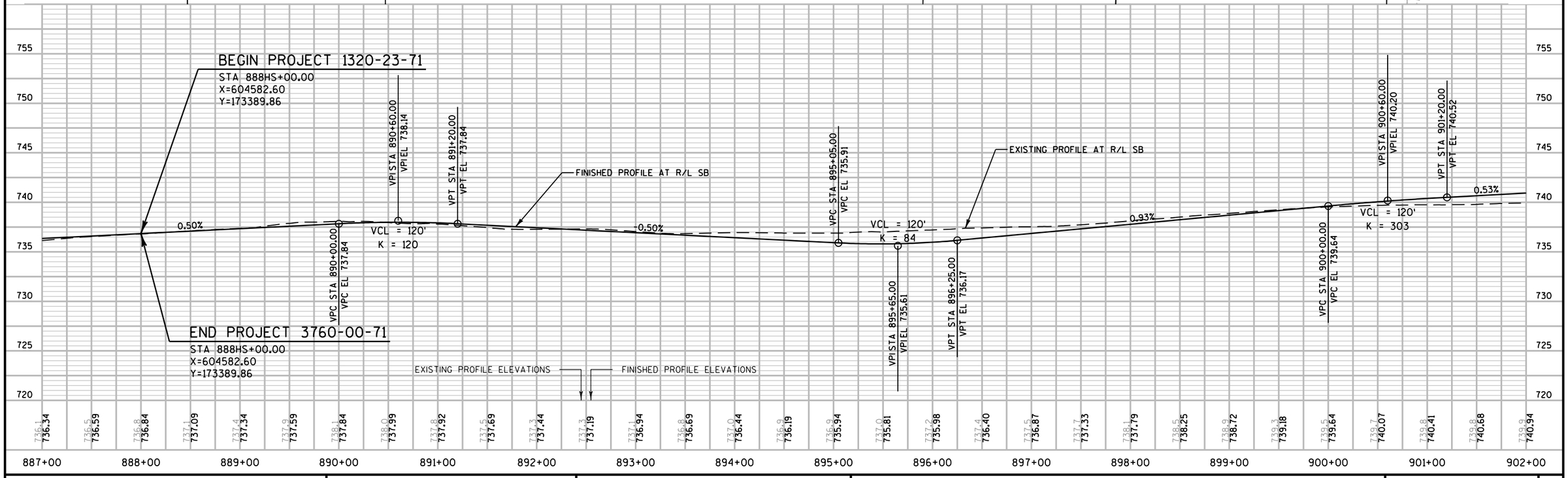
857+00 858+00 859+00 860+00 861+00 862+00 863+00 864+00 865+00 866+00 867+00 868+00 869+00 870+00 871+00 872+00

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PLAN AND PROFILE: CTH H SOUTHBOUND	SHEET 549	E



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	PLAN AND PROFILE: CTH H SOUTHBOUND	SHEET 550	E

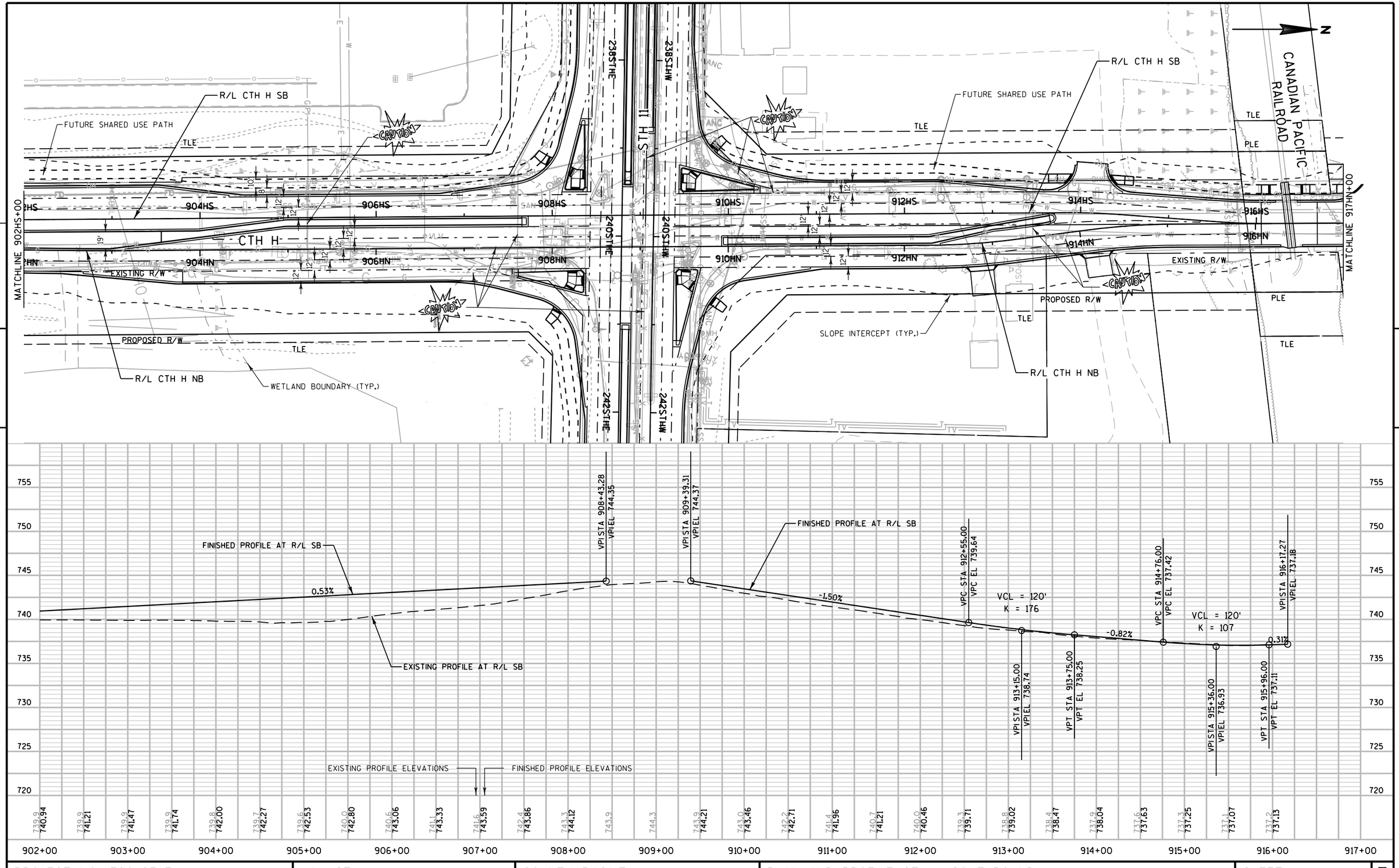




PROJECT NO: 3760-00-71/1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: CTH H SOUTHBOUND	SHEET 551 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNP_DATE_1x1_20250108_p2.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

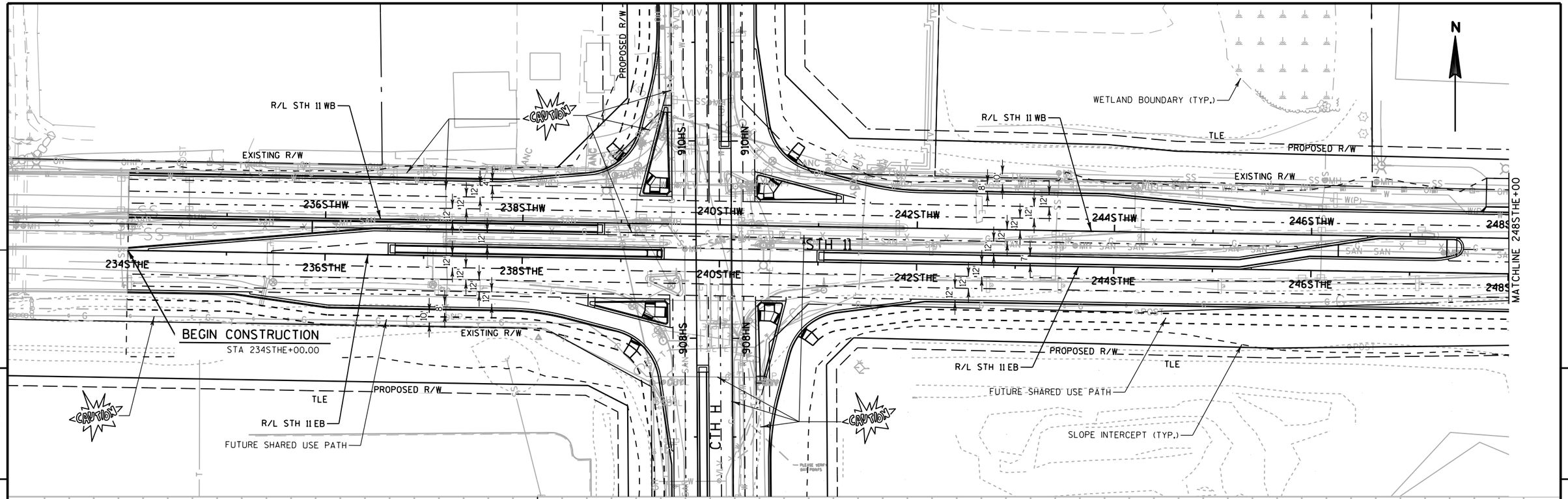
WISDOT/CADDS SHEET 40

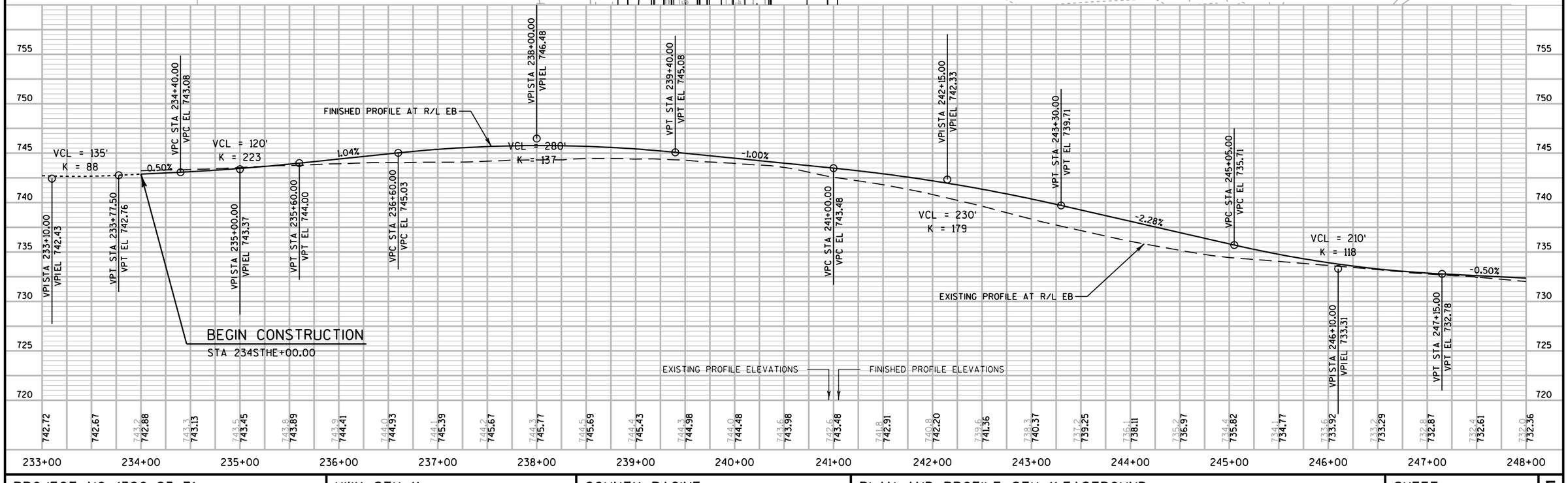


PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: CTH H SOUTHBOUND	SHEET 552 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNP_Eng_18x24_20250501098.dgn PLOT DATE: 8/1/2025 5:55:02 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

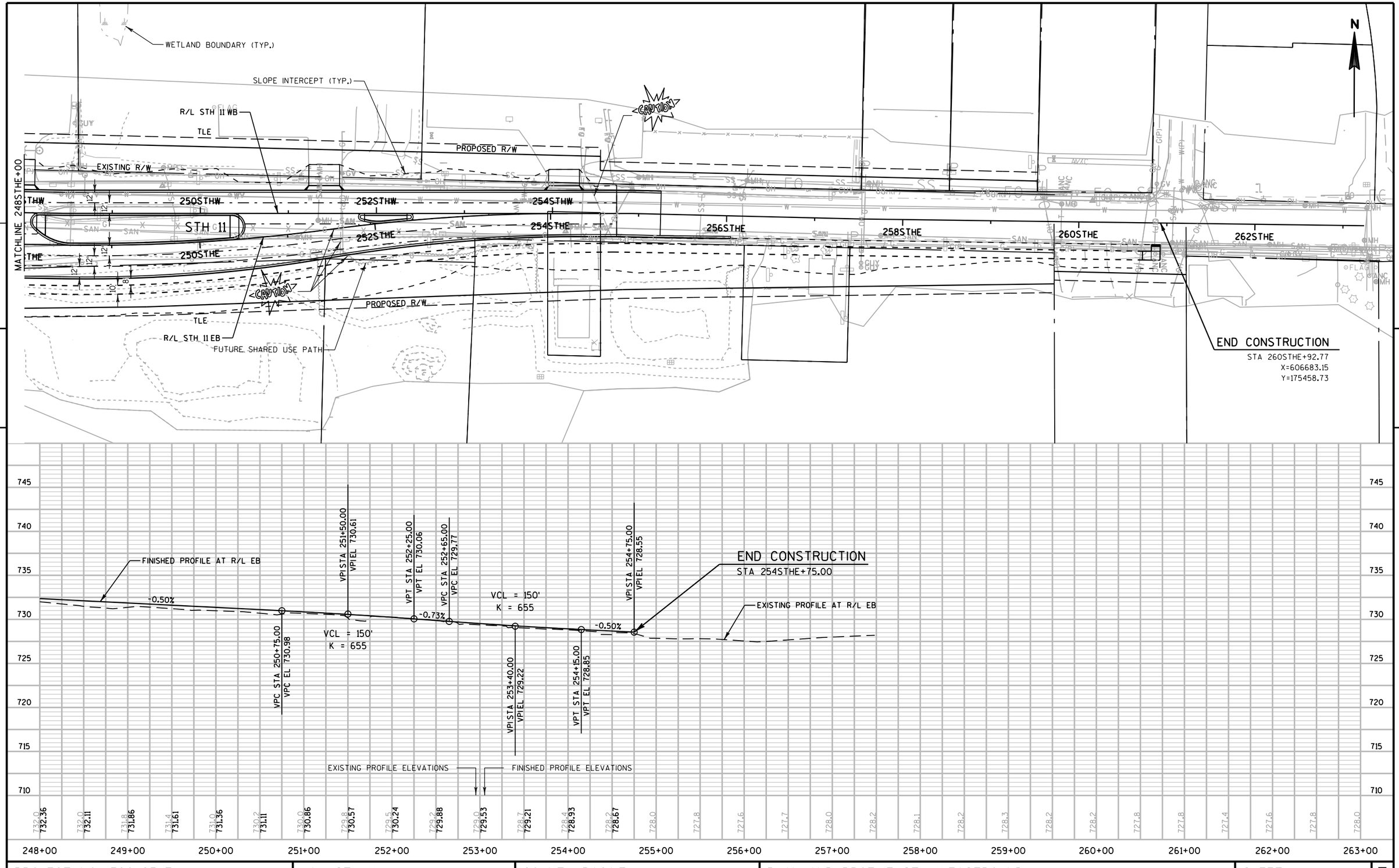
WISDOT/CADDS SHEET 40



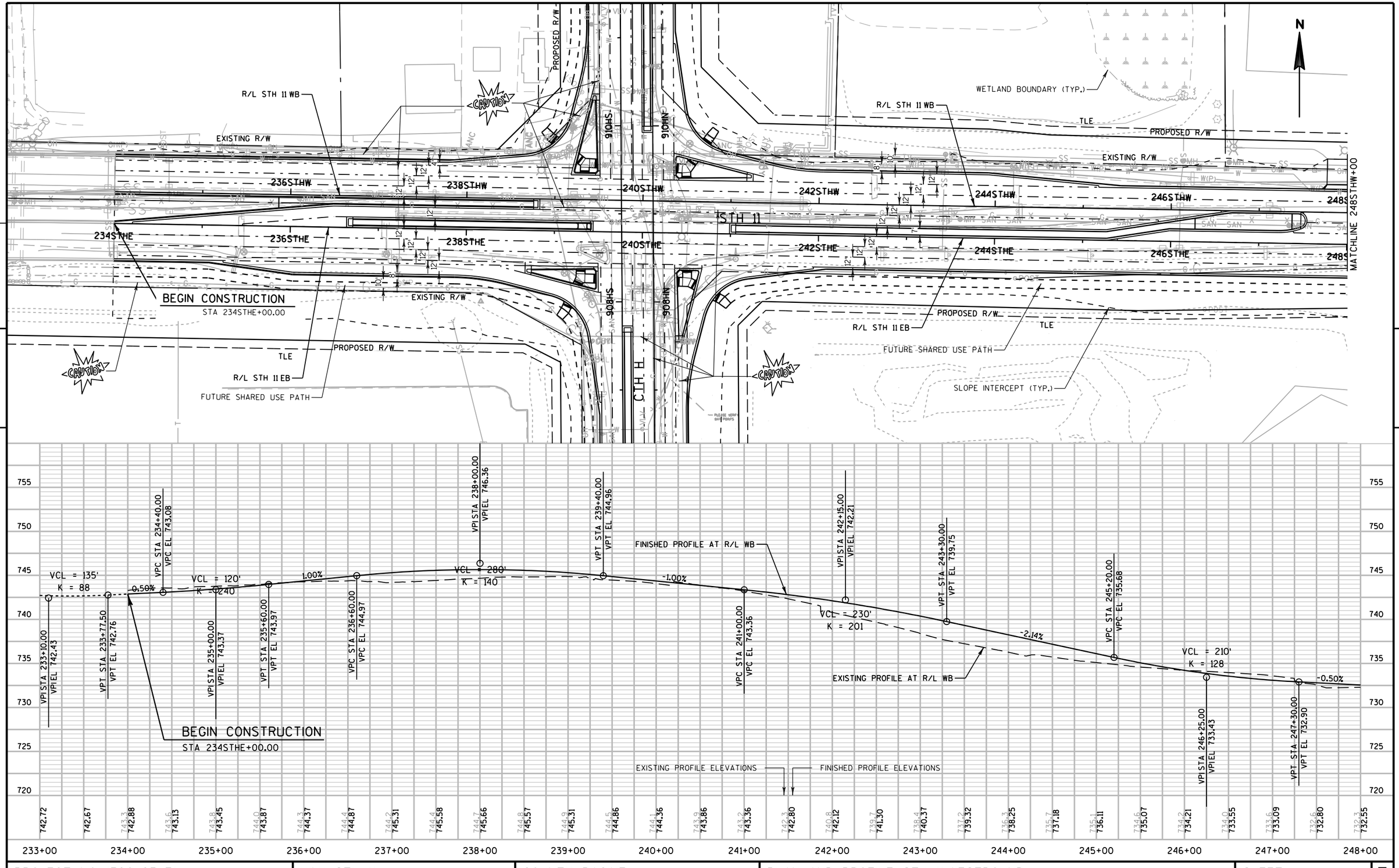


PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: STH 11 EASTBOUND	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNP_Eng\8.1_20250501108.dgn PLOT DATE : 8/1/2025 11:08:58 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1



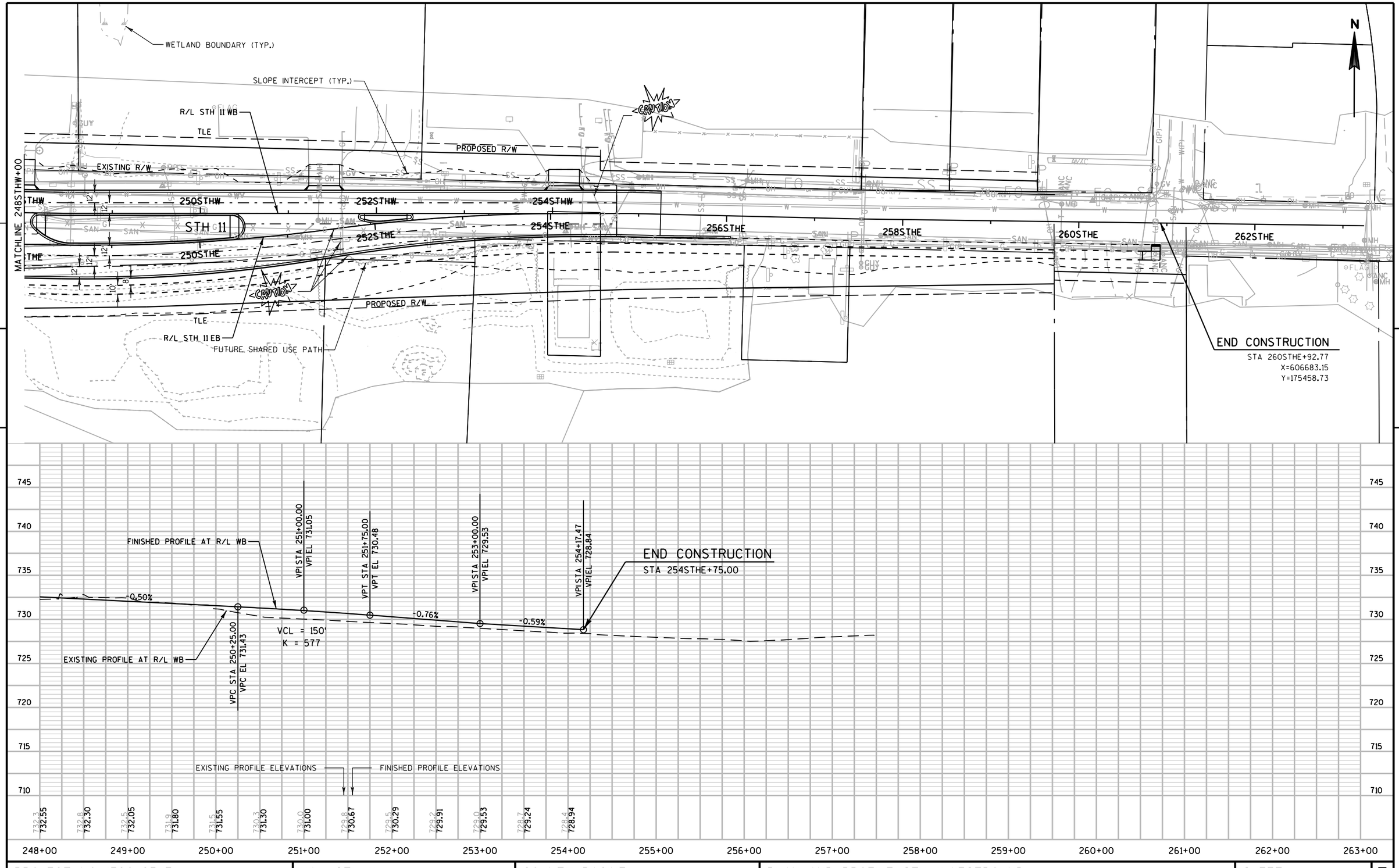
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: STH 11 EASTBOUND	SHEET 554	E



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: STH 11 WESTBOUND	SHEET 555 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PNP_Exhibits\20250311291.dgn PLOT DATE: 3/12/2025 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

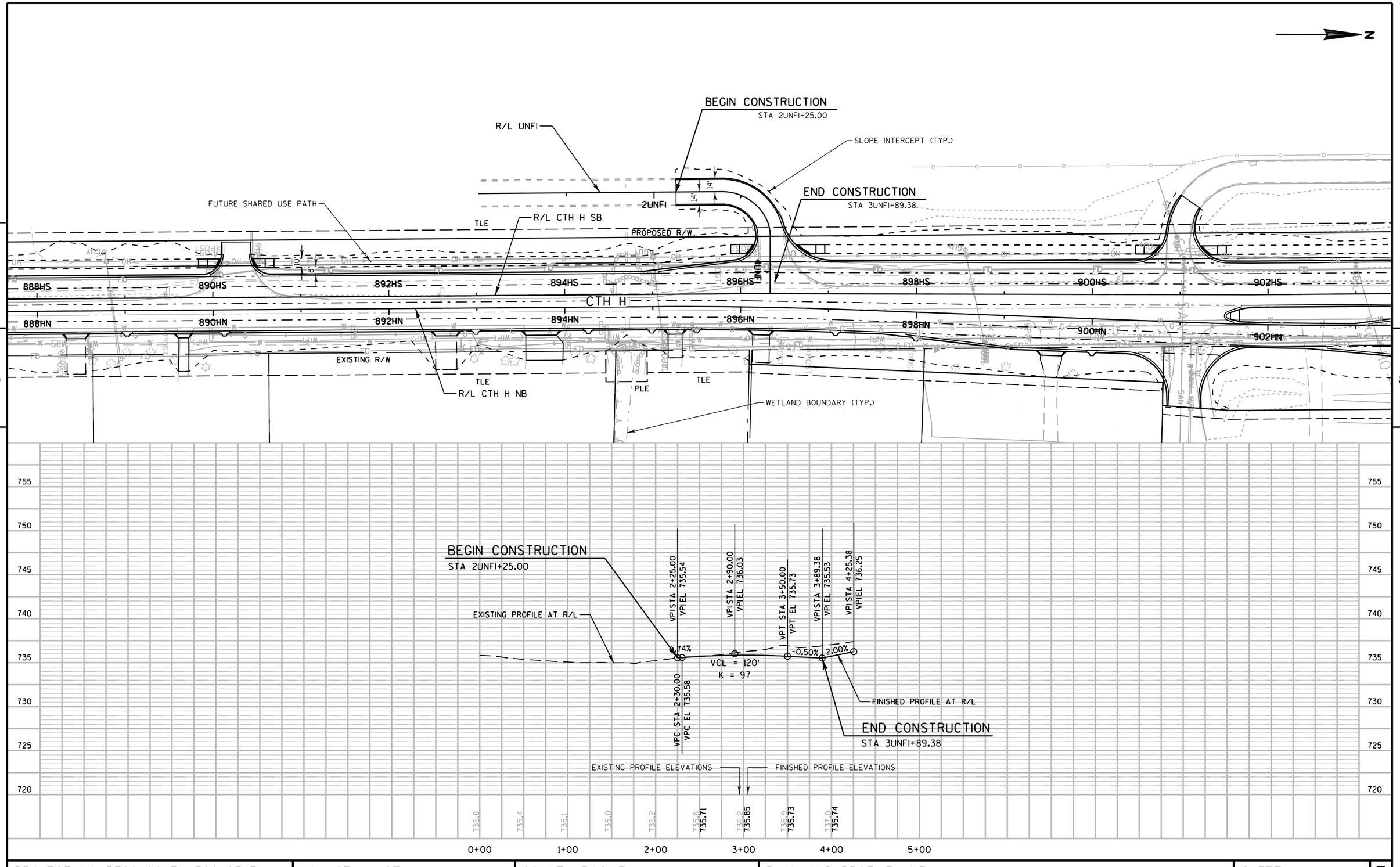
WISDOT/CADDS SHEET 40



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	PLAN AND PROFILE: STH 11 WESTBOUND	SHEET 556	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PS+E\18x24PS01103.dgn PLOT DATE : 8/22/2025 11:39:06 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1

WISDOT/CADDS SHEET 40



PROJECT NO: 3760-00-71/1320-23-71	HWY: CTH H/STH 11	COUNTY: RACINE	PLAN AND PROFILE: UNFI	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan+Profile\71190-00-01-PP-03-UNFI.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 100:1
WISDOT/CADDS SHEET 40

Standard Detail Drawing List

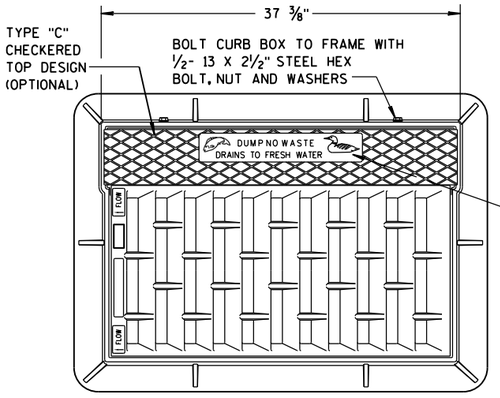
08A05-19A	INLET COVERS TYPE A, H, A-S, H-S & Z
08A05-19B	INLET COVERS TYPE B, B-A, C, MS, MS-A, & WM
08A05-19C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-19D	INLET COVER TYPE BW, MANHOLE COVERS, TYPE K, J, J-S, L & M
08A08-02	CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER
08B09-02	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08C06-02	INLETS 3-FT AND 4-FT DIAMETER
08C07-02	INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT
08C08-02	INLETS MEDIAN 1 AND 2 GRATE
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-20A	CURB RAMPS TYPES 1 AND 1-A
08D05-20B	CURB RAMPS TYPES 2 AND 3
08D05-20C	CURB RAMPS TYPES 4A AND 4A1
08D05-20D	CURB RAMPS TYPE 4B AND 4B1
08D05-20E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-20F	CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS
08D05-20G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
08D18-02	DRIVEWAY AND SIDEWALK RAMPS TYPES X & Y
08D19-02	DRIVEWAY AND SIDEWALK RAMPS TYPE Z
08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08E10-02	INLET PROTECTION TYPE A, B, C AND D
08E14-01	TRACKING PAD
08E15-01	CULVERT PIPE CHECK
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
09B02-10	CONDUIT
09B04-11	PULL BOX
09C02-09	CONCRETE BASES, TYPES 1, 2, 5, & 6
09C03-04	TRANSFORMER/PEDESTAL BASES
09C06-07	CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL
09C12-09A	CONCRETE BASE TYPE 13
09C12-09B	CONCRETE BASE TYPE 13
09C13-02	CONCRETE BASE TYPE 10 & TYPE 13 EXTENSION
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
09D02-03	SIGNAL CONTROL CABINET
09E01-15B	POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS, TYPE 3 (HEAVY DUTY)
09E01-15D	POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)
09E01-15G	HARDWARE DETAILS FOR POLE MOUNTINGS
09E03-06	NON-FREEWAY LIGHTING UNIT POLE WIRING
09E06-05	TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.
09E07-06	TRAFFIC SIGNAL STANDARD PEDESTRIAN AND FLASHER TYPICAL MOUNTING DETAILS
09E08-08C	TYPE 12 POLE 35'-55' MONOTUBE ARM
09E08-08E	GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS
09F15-04A	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)
09F15-04B	LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)
09G01-04A	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04B	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04C	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04D	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04E	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04F	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09G01-04G	SPAN WIRE TEMPORARY TRAFFIC SIGNAL
09H09-02	COMMUNICATION VAULT TYPE 1
11B02-02	CONCRETE MEDIAN NOSE
13B01-10	PAVEMENT DETAILS FOR RAILROAD APPROACH
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C18-07A	CONCRETE PAVEMENT JOINTING
13C18-07B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-07C	CONCRETE PAVEMENT JOINT TYPES
13C18-07D	CONCRETE PAVEMENT JOINT TYPES AT UTILITY FIXTURES
13C19-01	HMA LONGITUDINAL JOINTS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END

6

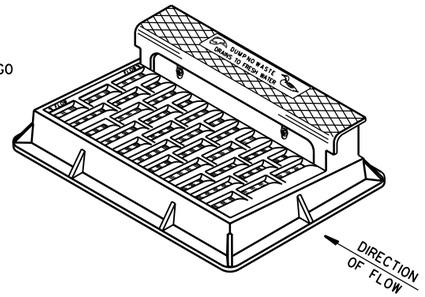
Standard Detail Drawing List

15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-07A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-07B	BARRICADES AND SIGNS FOR VARIOUS CLOSURES
15C02-07C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-05	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-05	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-14A	PAVEMENT MARKING SYMBOLS
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C07-14E	PAVEMENT MARKING FOR BIKE LANES
15C08-19A	LONGITUDINAL MARKING (MAINLINE)
15C08-19B	PAVEMENT MARKING (TURN LANES)
15C08-19C	PAVEMENT MARKING (TURN LANES)
15C09-11A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C11-07B	CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS
15C18-04	MEDIAN ISLAND MARKING
15C20-02	YIELD MARKING
15C21-08	SIGNING AND MARKING FOR TWO LANE TO FOUR LANE DIVIDED TRANSITIONS
15C27-03A	DOUBLE ARROW WARNING SIGN PLACEMENT
15C27-03B	PAVEMENT MARKING (ISLANDS)
15C29-06A	BICYCLE LANE MARKING
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D12-07A	TRAFFIC CONTROL, LANE CLOSURE
15D13-02	TEMPORARY EMERGENCY PULLOUTS
15D21-06	TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE
15D28-03	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D29-05	TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD
15D38-02A	TEMPORARY TRAFFIC CONTROL SIGN MOUNTING
15D38-02B	ATTACHMENT OF SIGNS TO POSTS
15D40-01	TRAFFIC CONTROL, LANE SHIFT, MULTILANE DIVIDED OR ONE WAY ROAD
15D41-01	TRAFFIC CONTROL, MULTIPLE LANE SHIFT, MULTILANE DIVIDED ROAD
16A01-07	LANDMARK REFERENCE MONUMENTS AND COVERS

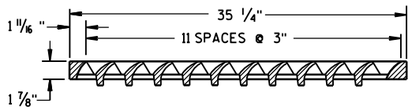
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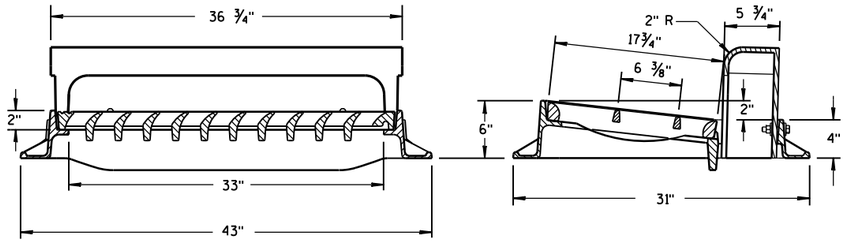


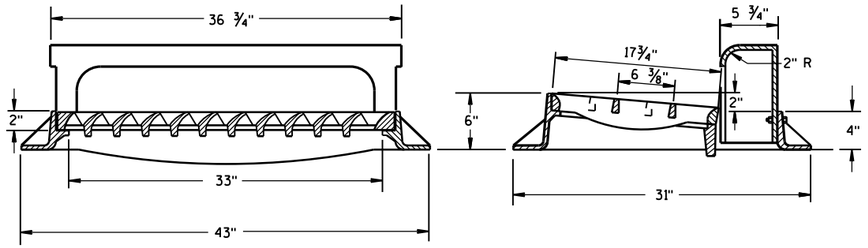
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

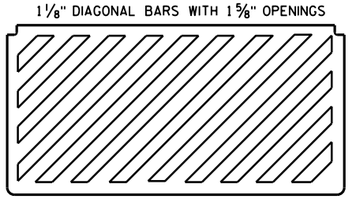






TYPE "H"

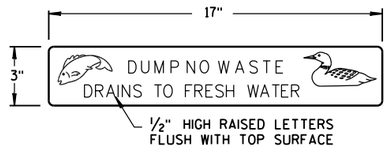
NOTE: EITHER CASTING IS ACCEPTABLE



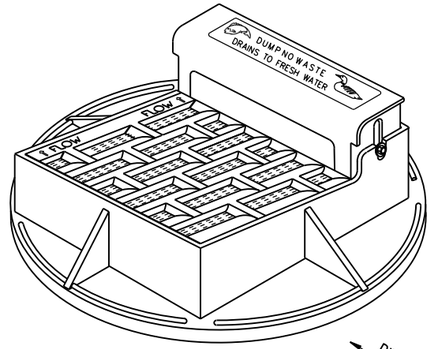
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

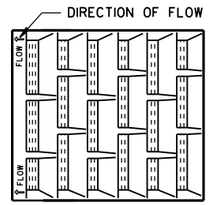
NOTE:
GRATE IS REVERSIBLE.

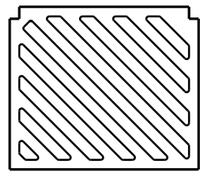
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

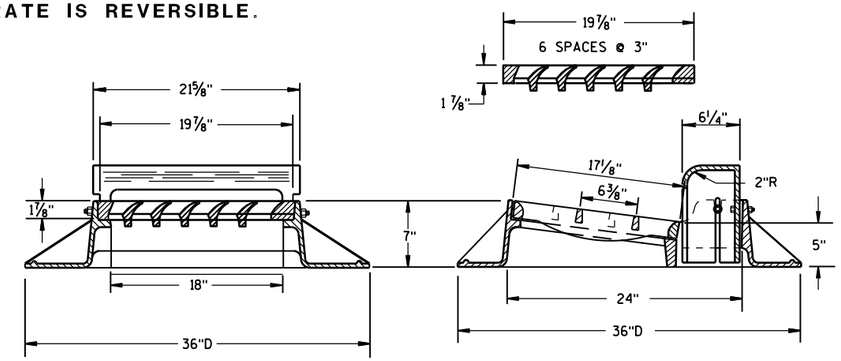




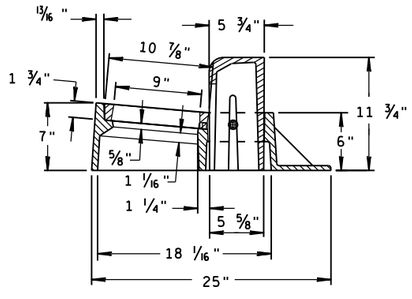
SPECIAL GRATE FOR TYPE "A" COVER

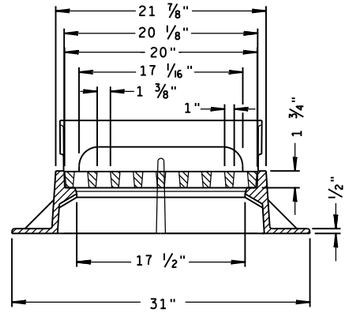
(MEASURES 19 3/4" X 17" X 1 7/8")

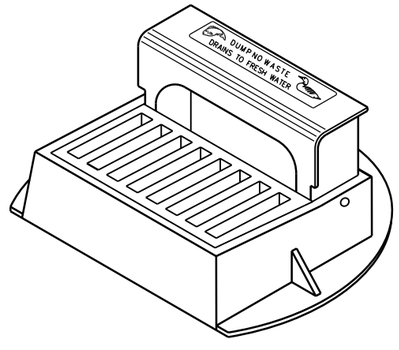
(NOTED AS TYPE A-S ON DRAINAGE TABLE)



TYPE "A"







TYPE "Z"

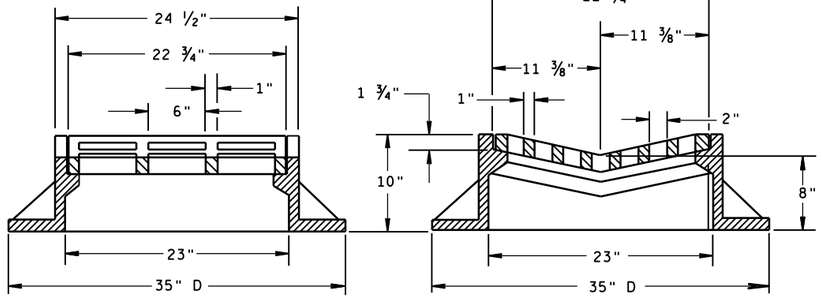
INLET COVERS
TYPE A, H, A-S, H-S & Z

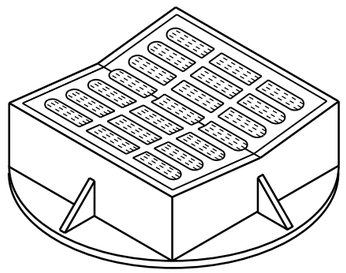
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

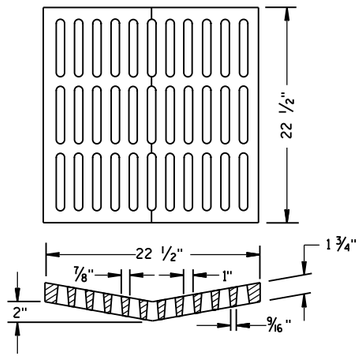
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S.D.D. 8 A 5-19a



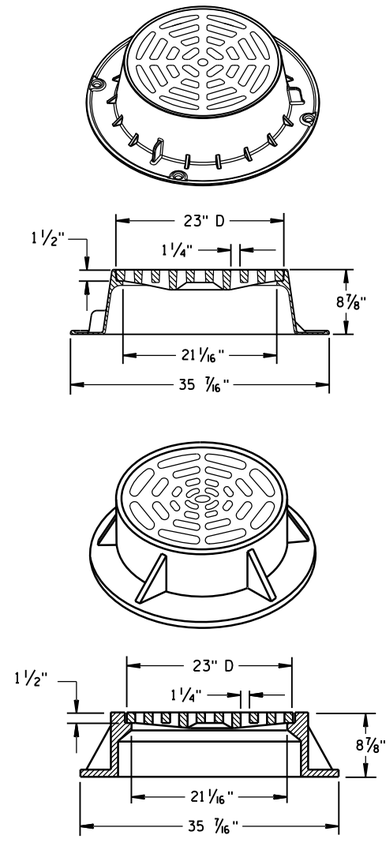


TYPE "B"



ALTERNATIVE GRATE FOR TYPE "B" COVER

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS POSSIBLE.
NOTED AS TYPE B-A ON THE DRAINAGE TABLE



TYPE "C"

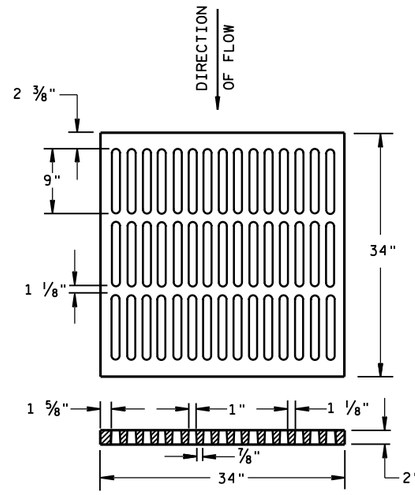
NOTE: EITHER CASTING IS ACCEPTABLE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

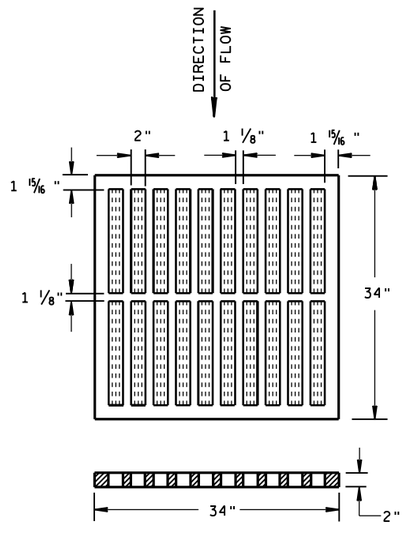
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



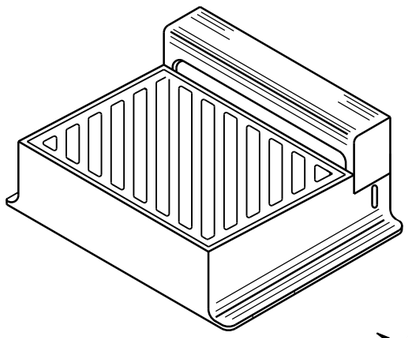
ALTERNATIVE TYPE "MS"

USE WHERE PEDESTRIAN OR BICYCLE TRAFFIC IS PERMITTED
NOTED AS TYPE MS-A ON THE DRAINAGE TABLE

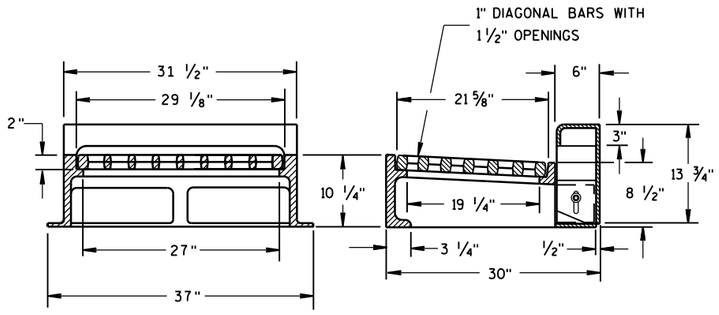


TYPE "MS"

USE ON FREEWAYS AND EXPRESSWAYS
NOTED AS TYPE MS ON DRAINAGE TABLE



DIAGONAL SLOTS, SHALL BE ORIENTED TO THE DIRECTION OF FLOW AS ILLUSTRATED. GRATES ARE MANUFACTURED TO BE REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

TYPE "WM"

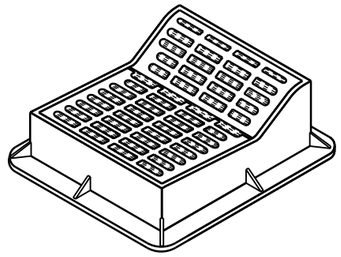
INLET COVERS
TYPE B, B-A, C,
MS, MS-A, & WM

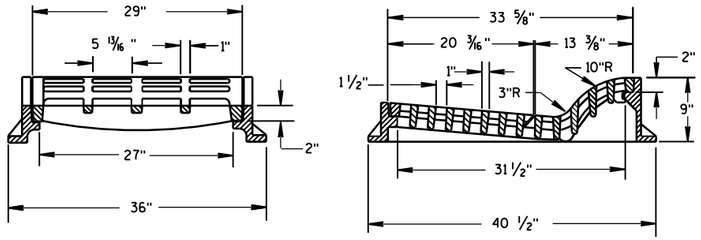
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

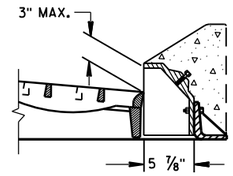
S.D.D. 8 A 5-19b





TYPE "F"

USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

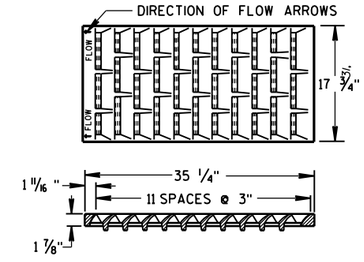
USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

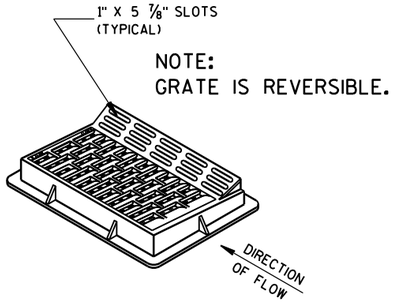
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

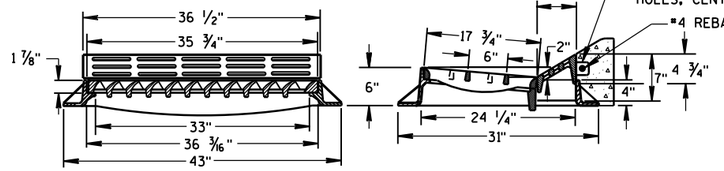
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.



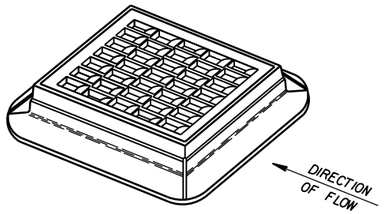


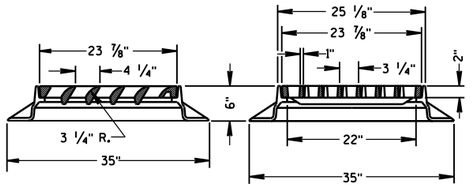


TYPE "HM"

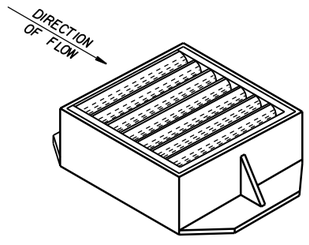
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.

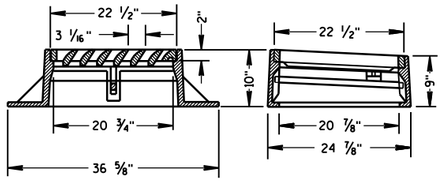
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE



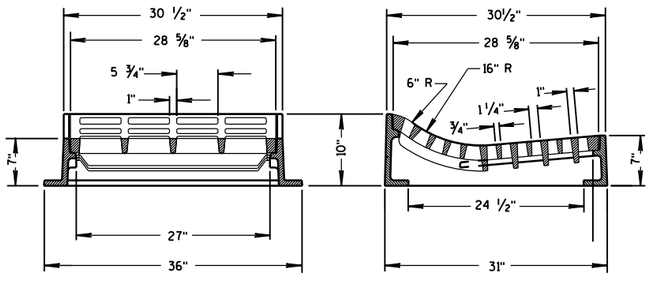


TYPE "S"



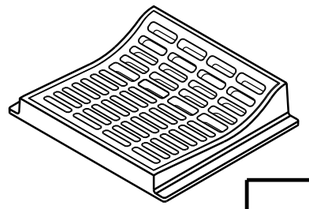


TYPE "V"



TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS
TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

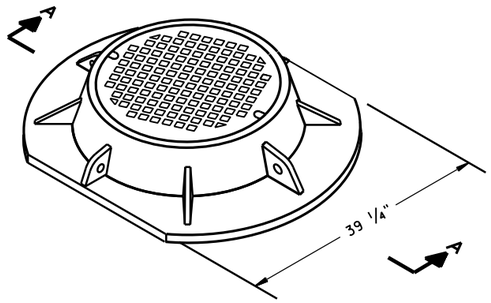
APPROVED
11/27/2013
DATE

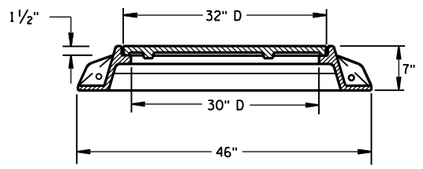
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

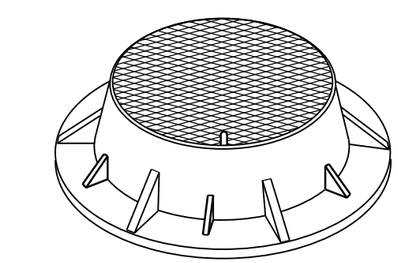
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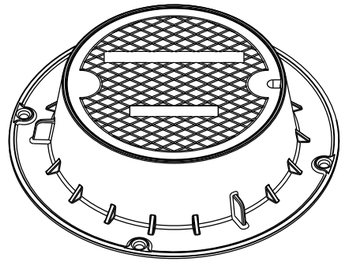
S.D.D. 8 A 5-19c

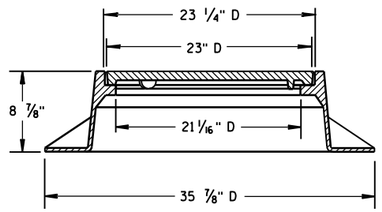


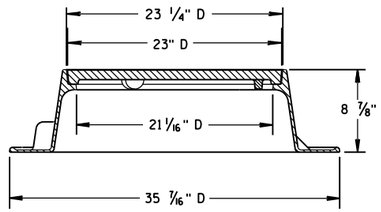


SECTION A-A
TYPE "K"









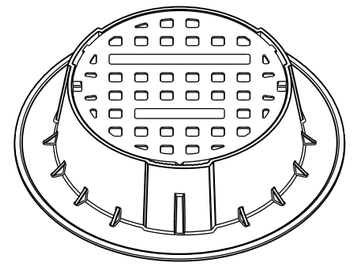
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

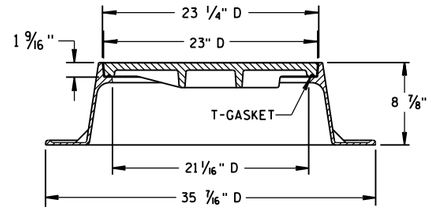
GENERAL NOTES

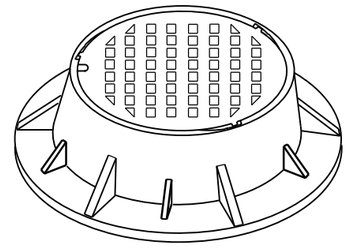
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

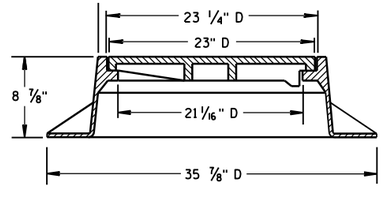
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

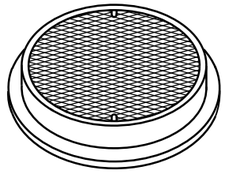


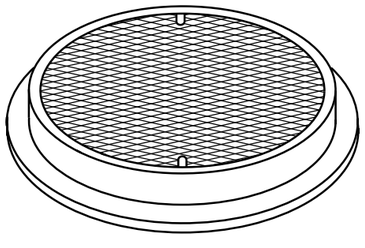


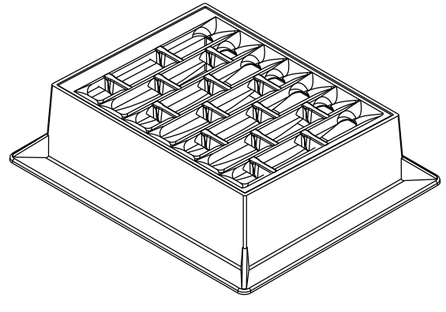


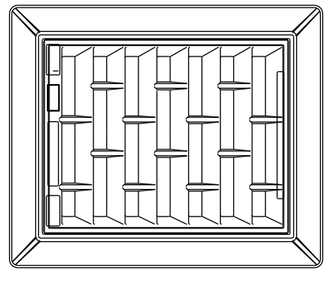


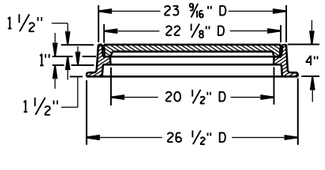
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



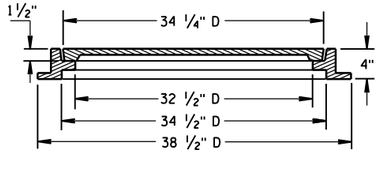




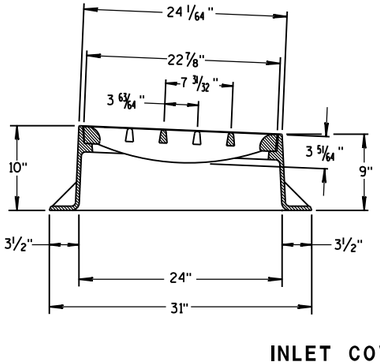


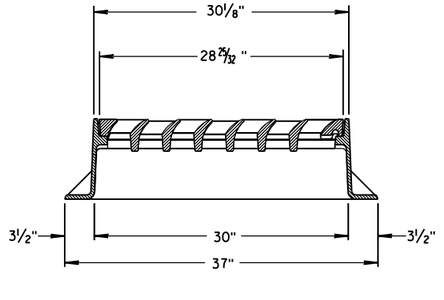


TYPE "L"



TYPE "M"





INLET COVER TYPE "BW"

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/27/2013
DATE
FHWA

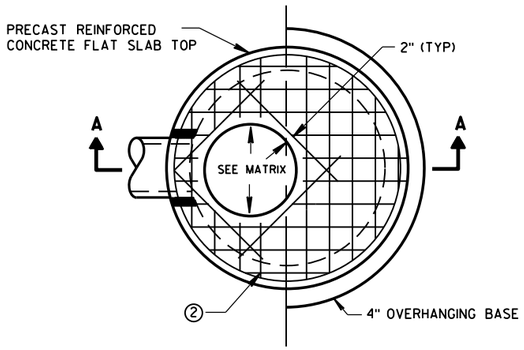
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

6

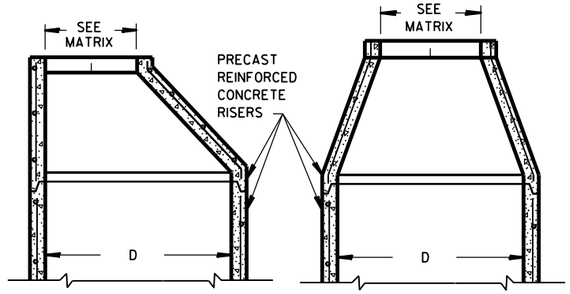
S.D.D. 8 A 5-19d

6

S.D.D. 8 A 5-19d

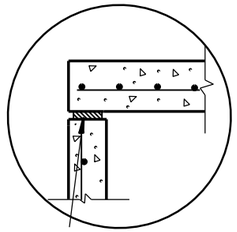


PLAN VIEW CIRCULAR OPENING

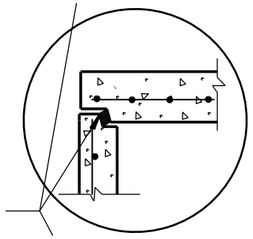


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

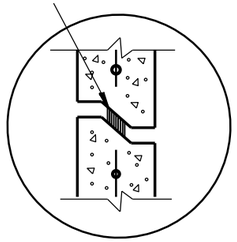
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



TOP WITH PLAIN END JOINT

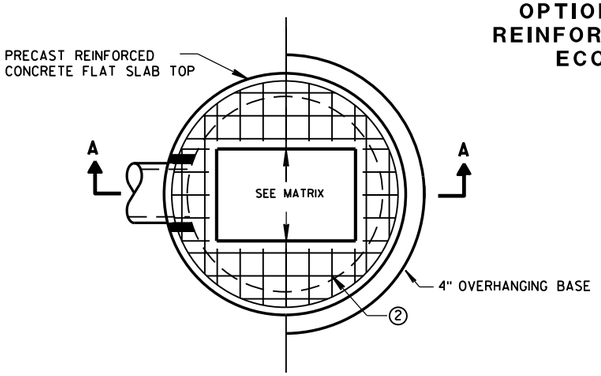


TOP WITH TONGUE AND GROOVE JOINT

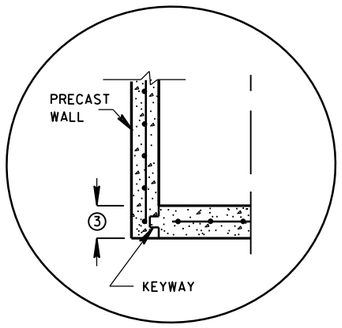


RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

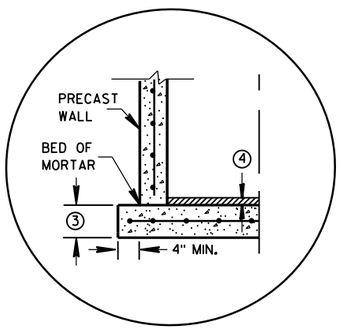


PLAN VIEW RECTANGULAR OPENING



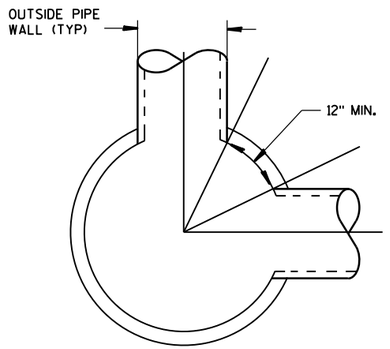
PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)

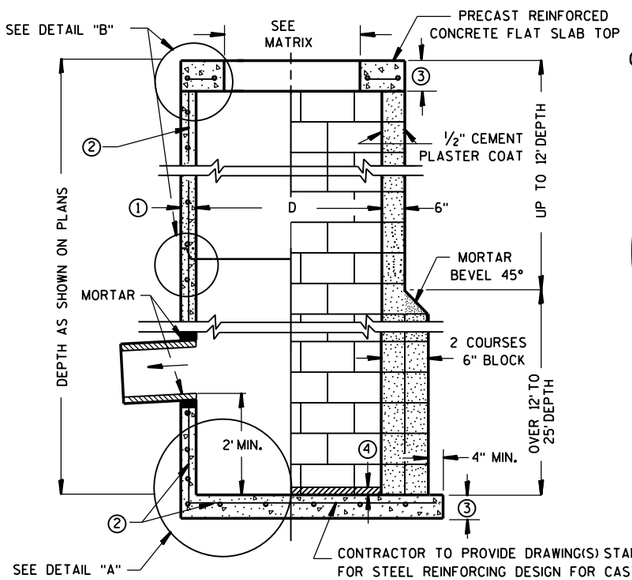


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



SECTION A-A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF 1/2 INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT AND 7 INCHES FOR 6-FT DIAMETER PRECAST CATCH BASINS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

④ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER OPENING MATRIX

CATCH BASIN SIZE	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
	OPENING SIZE (FT)											
3-FT	2X2	X	X					X		X		
	2 DIA.				X							X
4-FT-6-FT	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2 DIA.				X							X
	2X3						X					
	2.5X3					X						

PIPE MATRIX

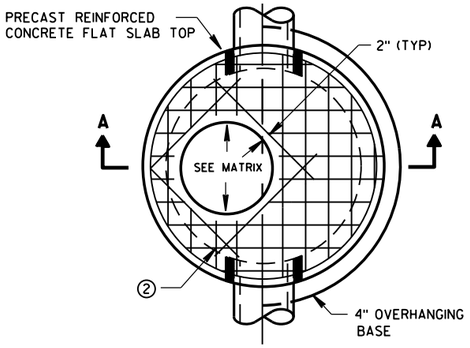
CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	30

CATCH BASINS 3-FT, 4-FT, 5-FT AND 6-FT DIAMETER

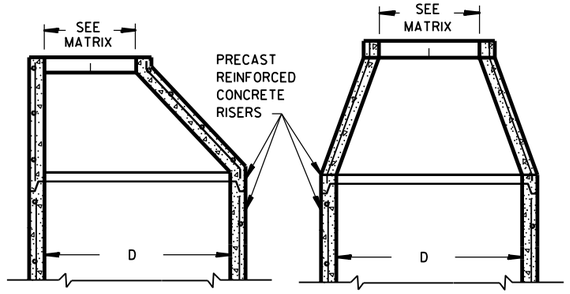
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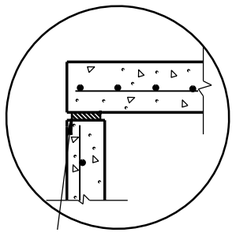


PLAN VIEW CIRCULAR OPENING

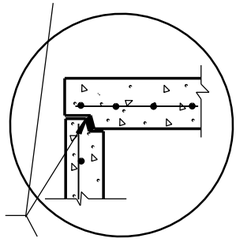


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

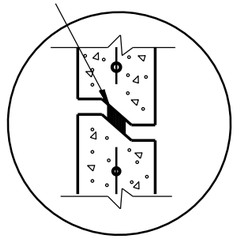


TOP WITH PLAIN END JOINT



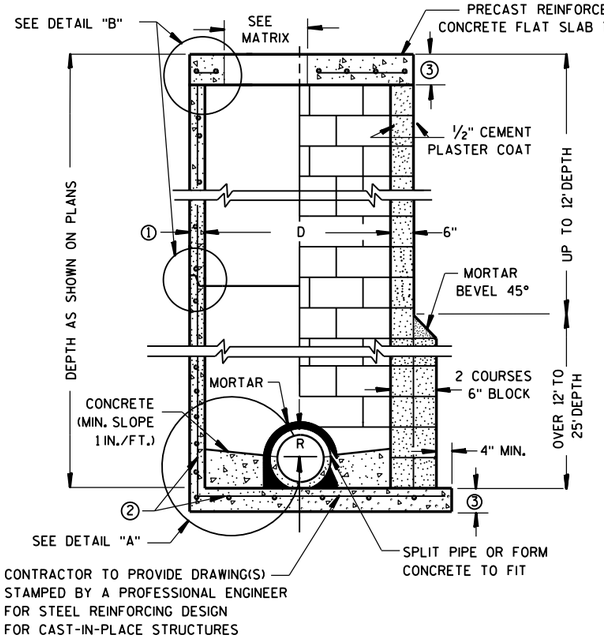
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



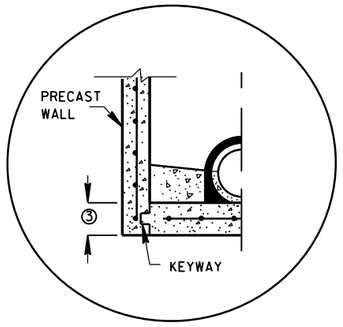
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

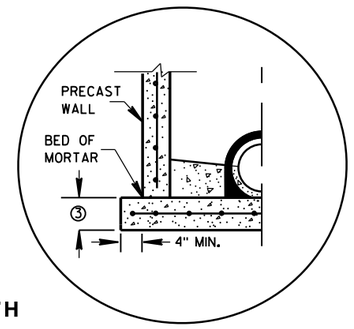


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

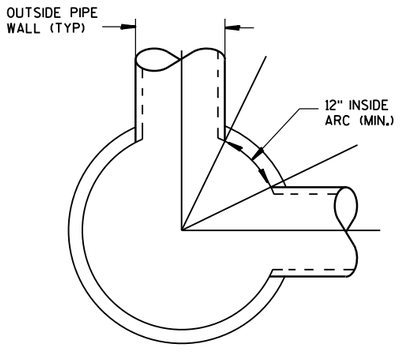


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4 INCHES FOR 3-FT, 5 INCHES FOR 4-FT, 6 INCHES FOR 5-FT, 7 INCHES FOR 6-FT, 8 INCHES FOR 7-FT AND 9 INCHES FOR 8-FT DIAMETER PRECAST MANHOLES.

② FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

③ PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER OF 48" AND LESS SHALL HAVE A MINIMUM THICKNESS OF 6". PRECAST FLAT SLAB TOPS AND BASES WITH A DIAMETER LARGER THAN 48" SHALL HAVE A MINIMUM THICKNESS OF 8".

MANHOLE COVER OPENING MATRIX

MANHOLE COVER TYPE	C	ALL J'S	K	L	M
OPENING SIZE (FT)					
2 DIA.	X	X		X	
3 DIA.			X		X

PIPE MATRIX

MANHOLE SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18
5-FT	36	24
6-FT	42	36
7-FT	48	36
8-FT	60	42

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

STATE OF WISCONSIN
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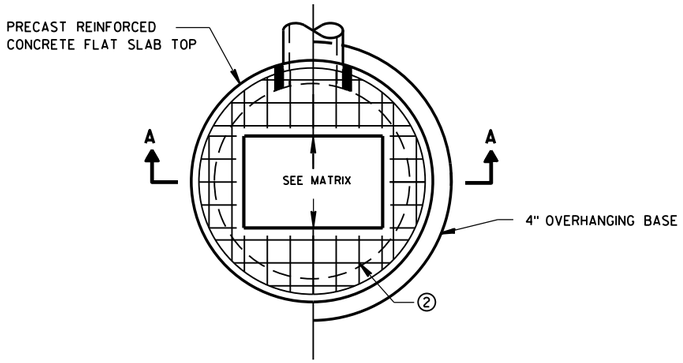
Sept., 2016
DATE

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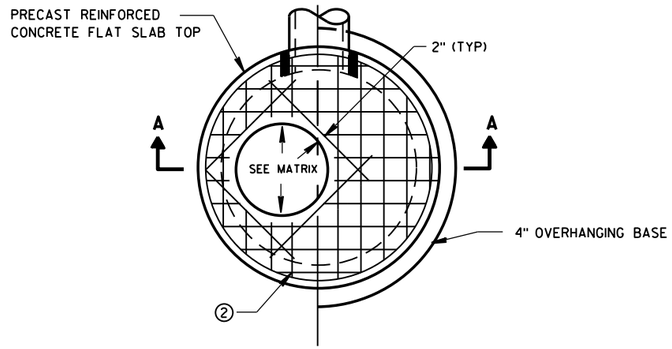
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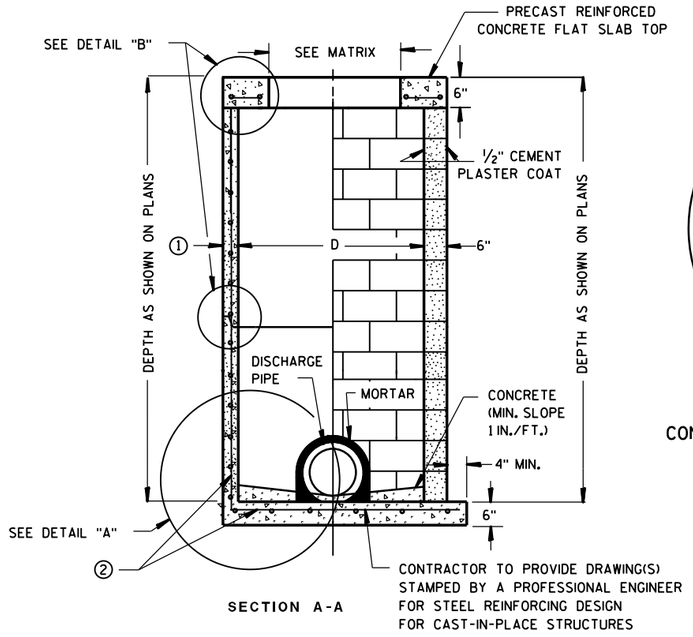
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PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

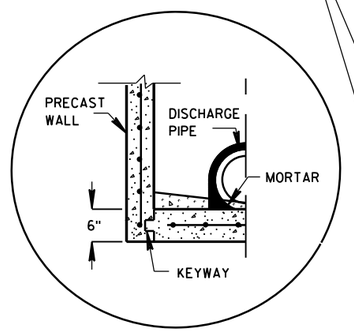


SECTION A-A

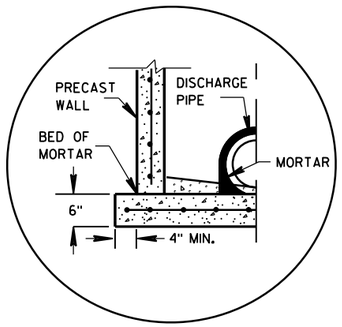
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

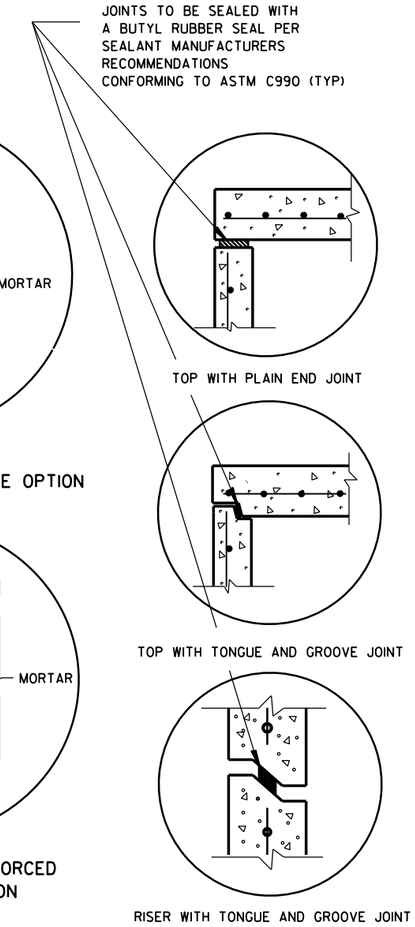


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

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ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

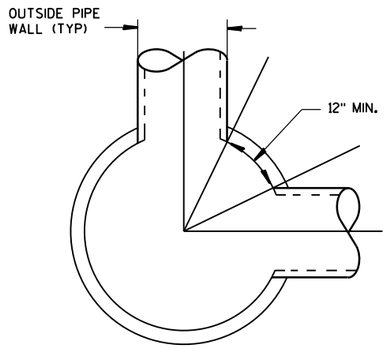
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

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DEPARTMENT OF TRANSPORTATION

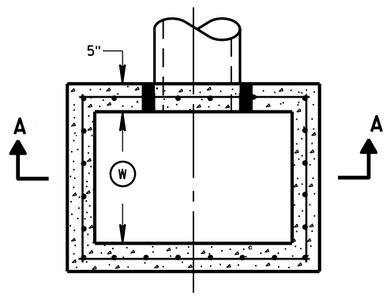
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Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI ENT
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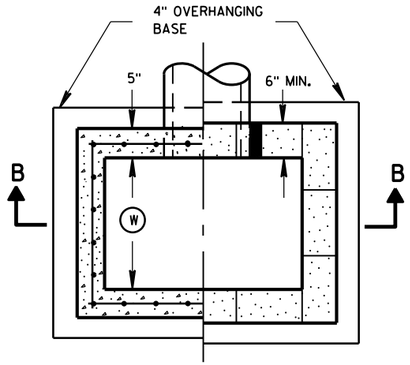
S.D.D. 8 C 6-2

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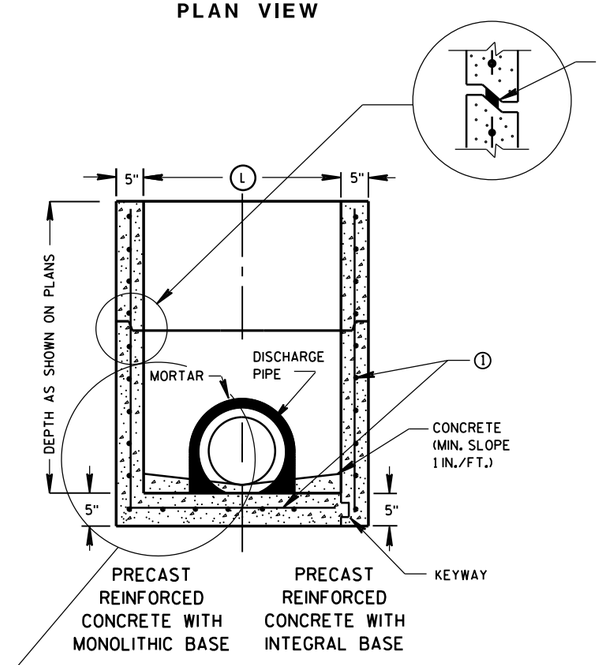
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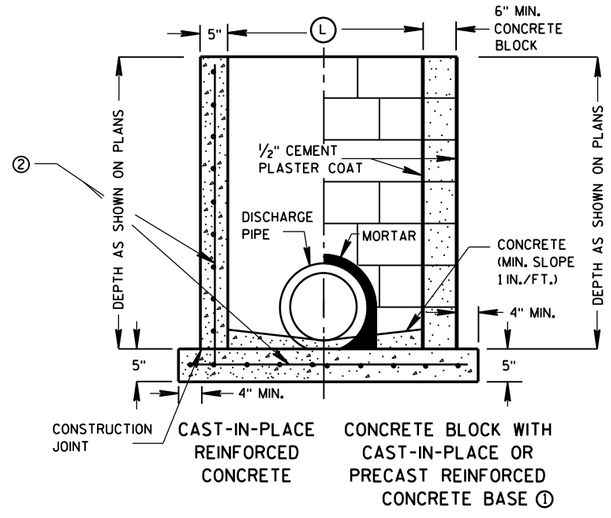
PLAN VIEW



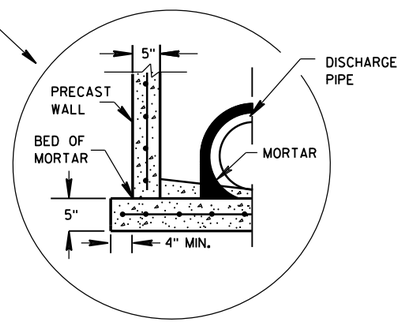
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

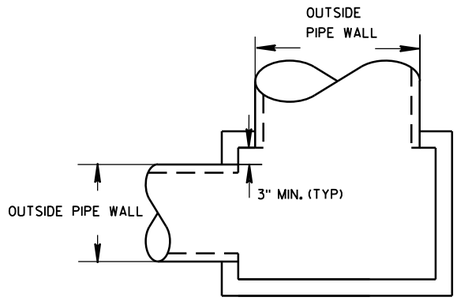
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



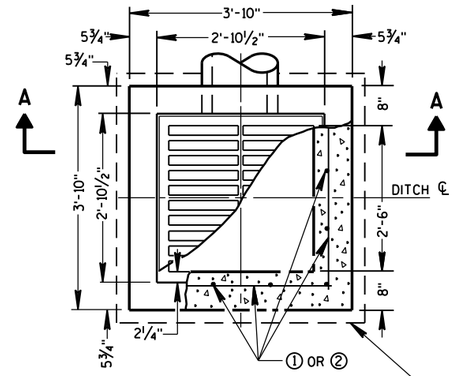
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

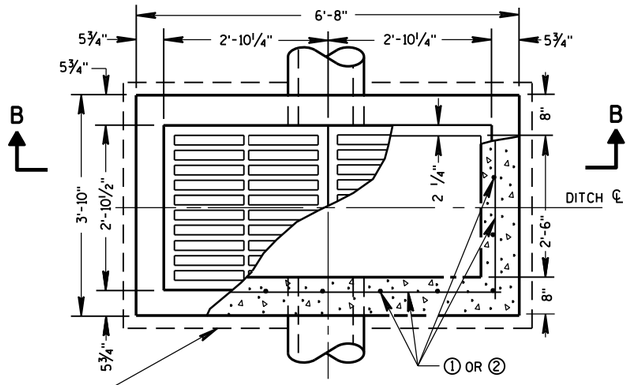
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
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INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

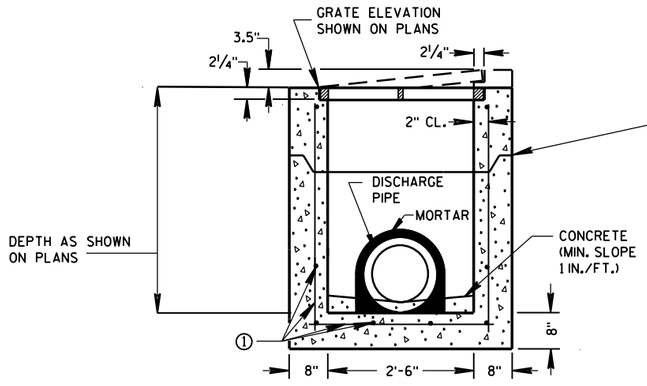


PLAN VIEW

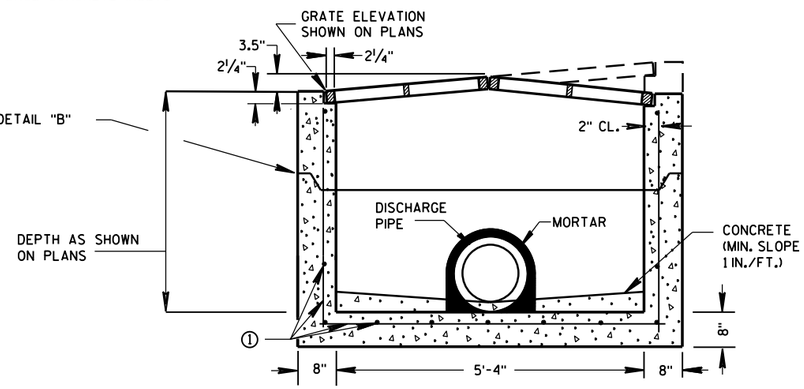


PLAN VIEW

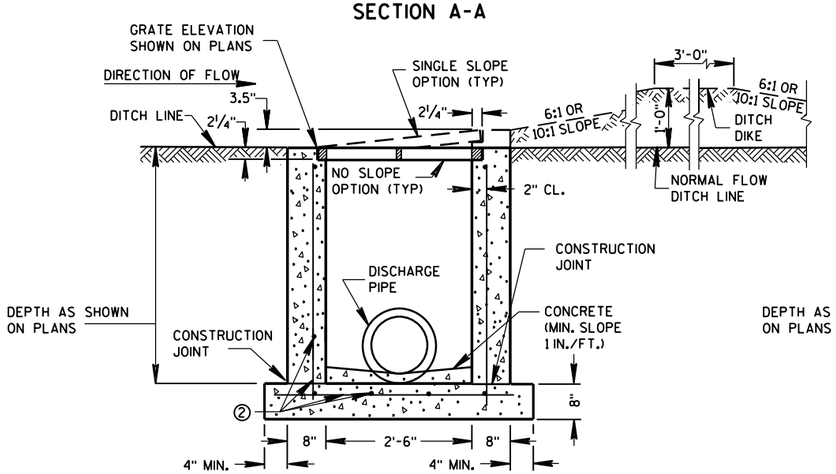
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



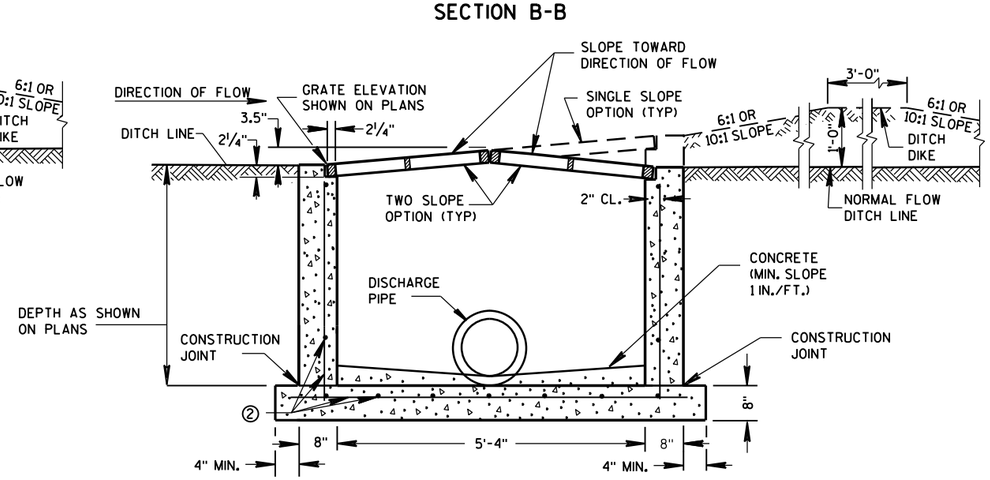
PRECAST REINFORCED CONCRETE SECTION A-A



PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 1 GRATE

INLETS MEDIAN 2 GRATE

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

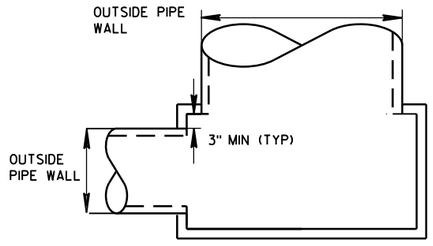
MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

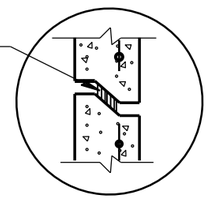
PIPE MATRIX

	MAXIMUM INSIDE PIPE DIAMETER	
INLET SIZE	WIDTH (IN)	LENGTH (IN)
1 GRATE	18	18
2 GRATE	18	42



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

INLETS MEDIAN 1 AND 2 GRATE

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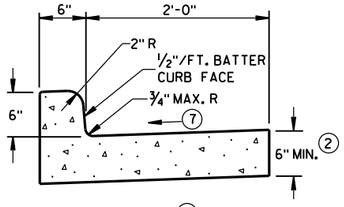
APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVI ENT
FHWA

6

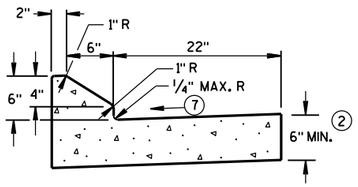
S.D.D. 8 C 8-2

6

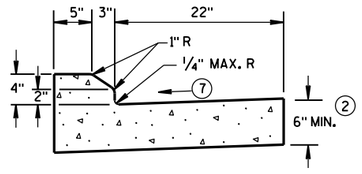
S.D.D. 8 C 8-2



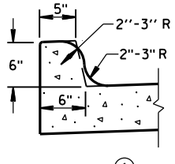
TYPES A (1) & D



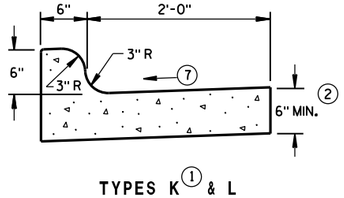
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

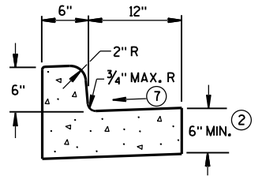


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



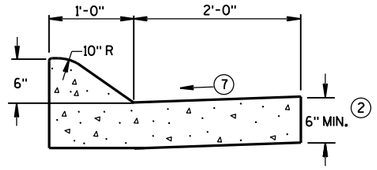
TYPES K (1) & L

CONCRETE CURB & GUTTER 30"

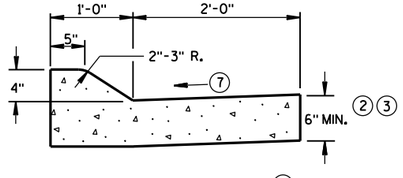


TYPES A (1) & D

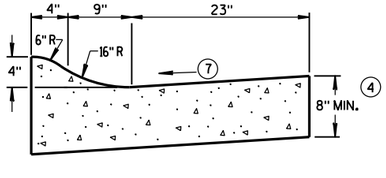
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A (1) & D

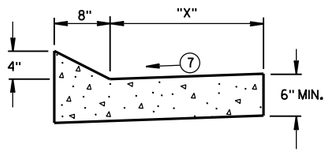


4" SLOPED CURB TYPES A (1) & D



4" SLOPED CURB TYPES R (1) & T (5)

CONCRETE CURB & GUTTER 36"



TYPES TBT & TBTT (1)

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB & GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB & GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

WHERE THE TRANSVERSE JOINTS IN THE PAVEMENT ARE REQUIRED TO BE SEALED, THE JOINTS IN THE INTEGRAL CURB AND GUTTER SHALL BE SEALED TO THE FACE OF CURB WITH THE SAME TYPE OF SEALANT. THE COST OF FURNISHING AND INSTALLING THIS SEALANT SHALL BE INCIDENTAL TO THE ITEM CONCRETE CURB AND GUTTER.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

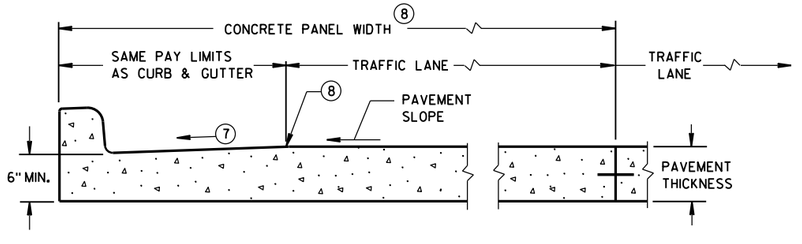
(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

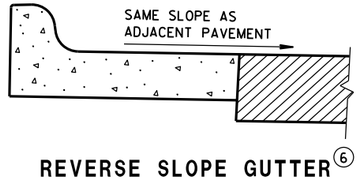
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB & GUTTER

* BIKE LANE IS NOT SHOWN.



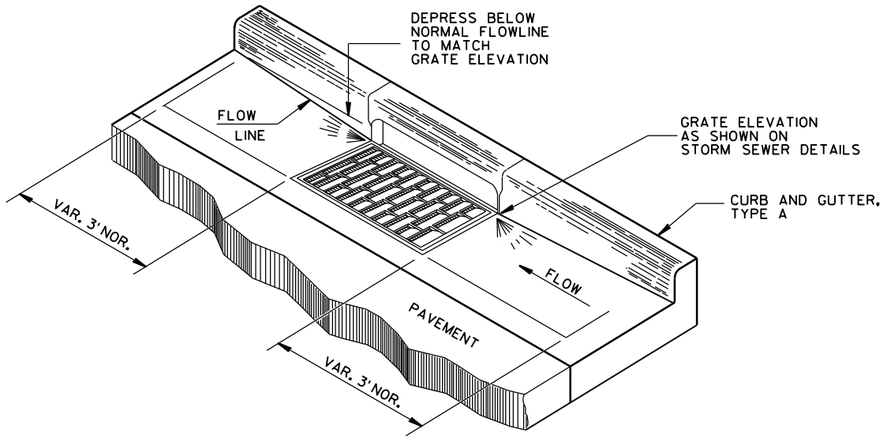
REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

CONCRETE CURB & GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

S.D.D. 8 D 1-20a

6



DETAIL OF CURB AND GUTTER AT INLETS

(TYPE H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

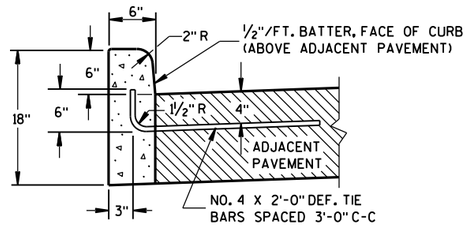
PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

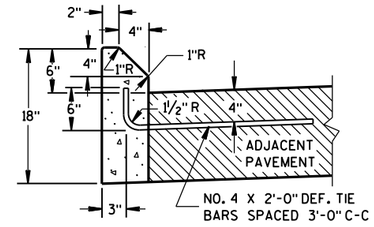
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K, R AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(9) REFER TO SDD 8D18 AND SDD 8D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

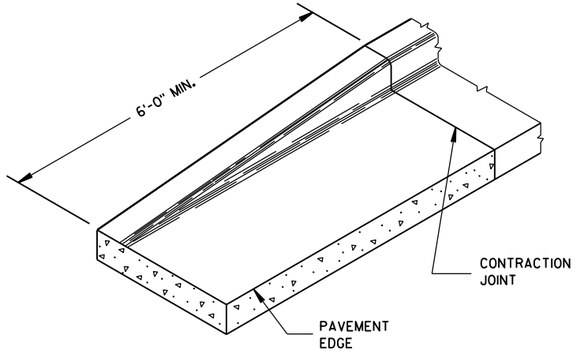


TYPES A(1) & D

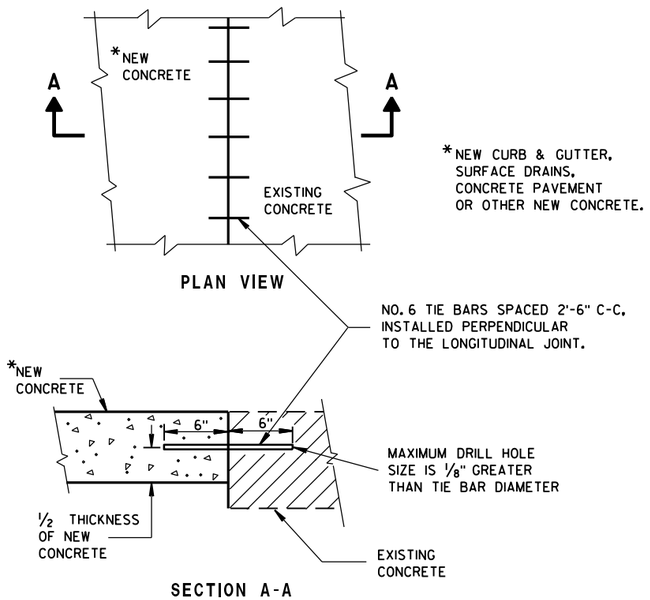


TYPES G(1) & J

CONCRETE CURB



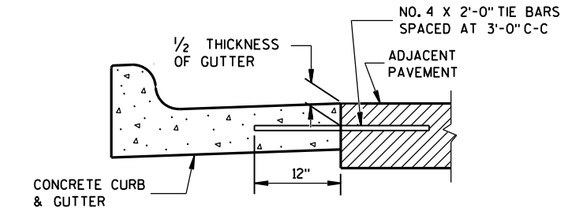
END SECTION CURB & GUTTER



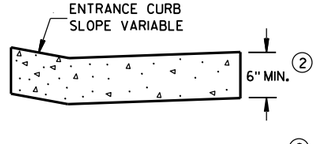
PLAN VIEW

SECTION A-A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (9)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

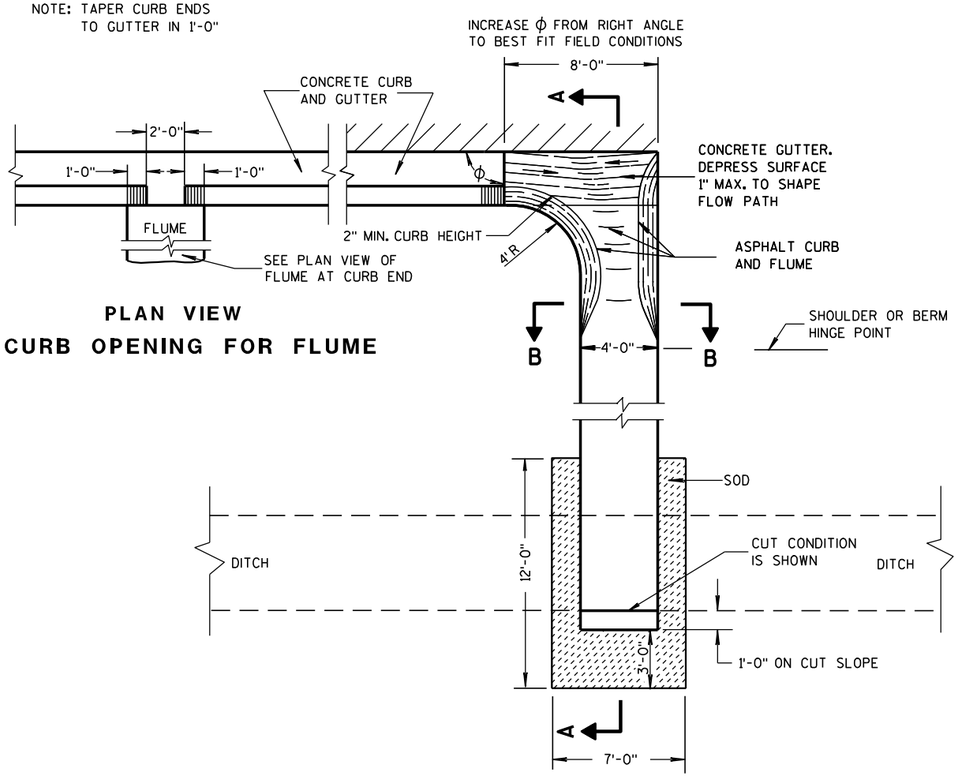
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2017 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS UNIT SUPERVISOR
570 — ENT
FHWA

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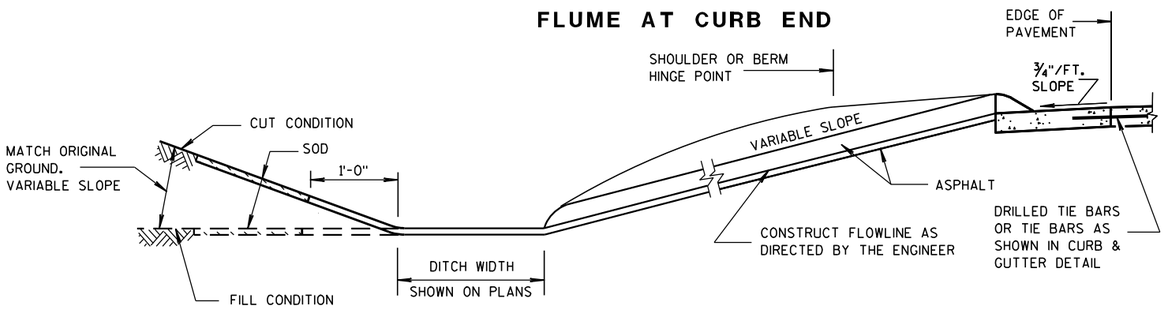
S.D.D. 8 D 1-20b

ASPHALTIC FLUME

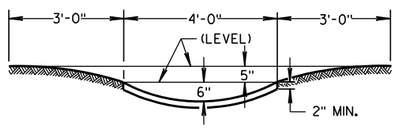


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

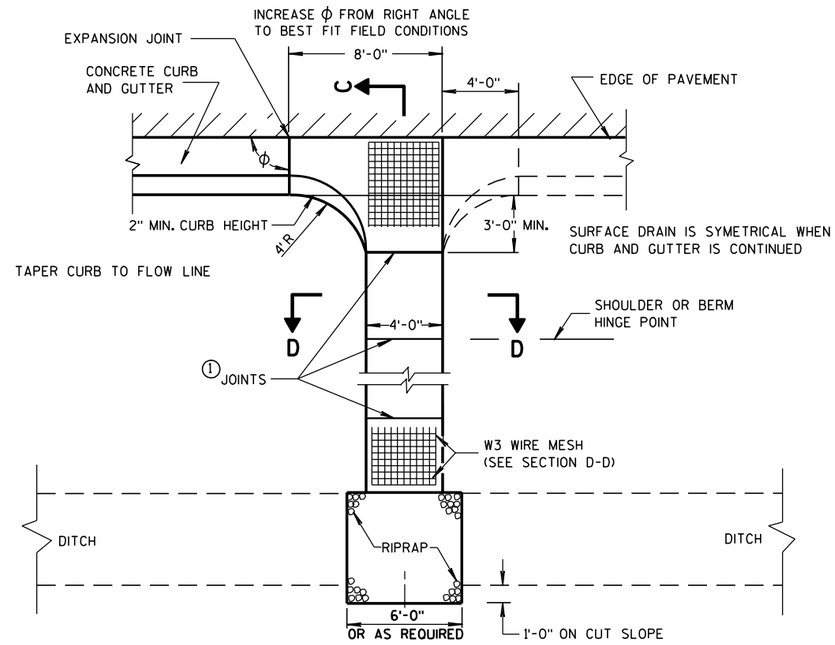
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE $\frac{1}{8}$ TO $\frac{1}{4}$ INCH WIDE BY $1\frac{1}{2}$ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

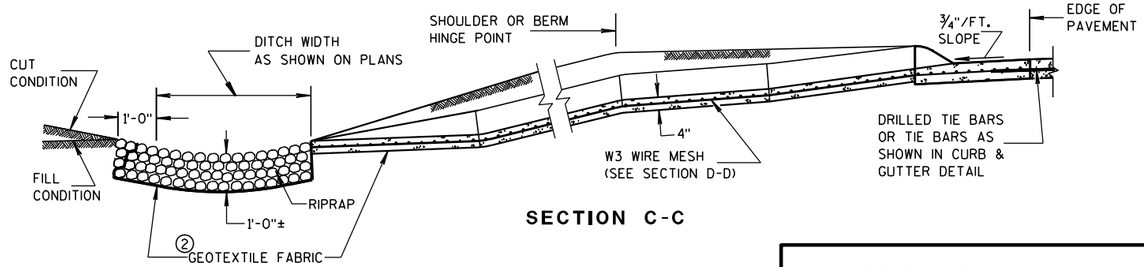
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

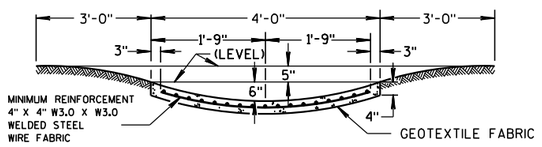
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9-4-08 DATE — /S/ Jerry H. [illegible] ROADWAY STANDARDS ENGINEER — MENT

FHWA

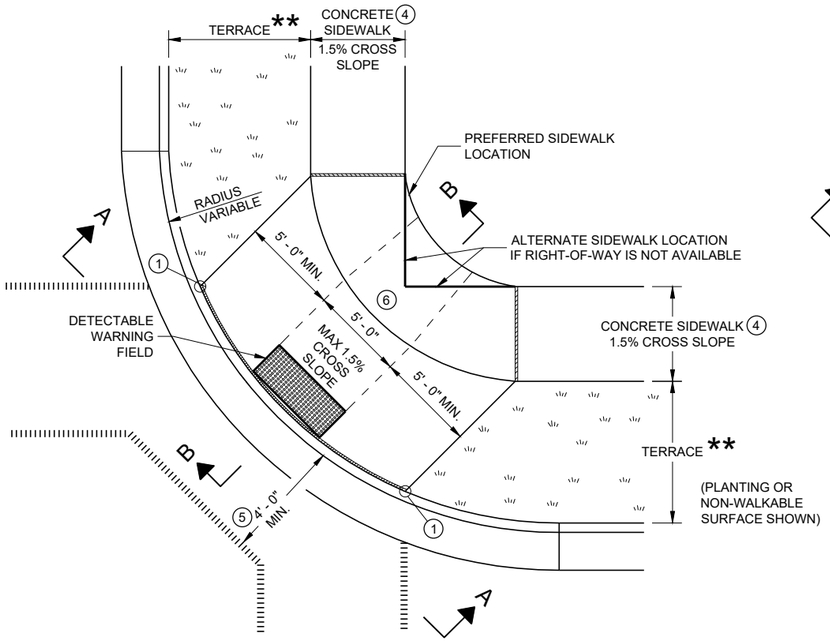
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S.D.D. 8 D 4-5

6

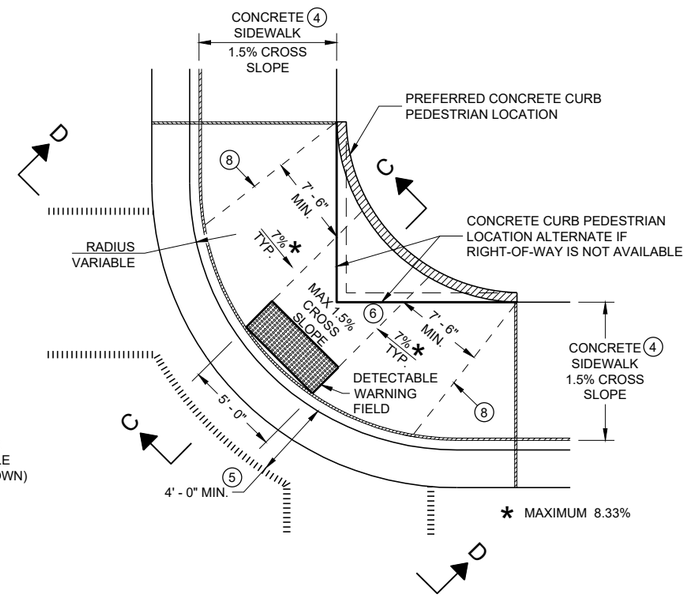
S.D.D. 8 D 4-5



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

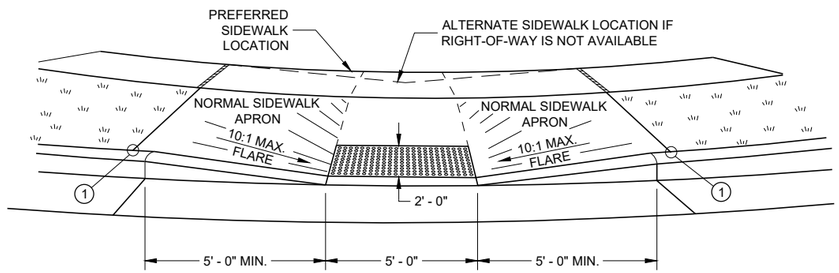
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

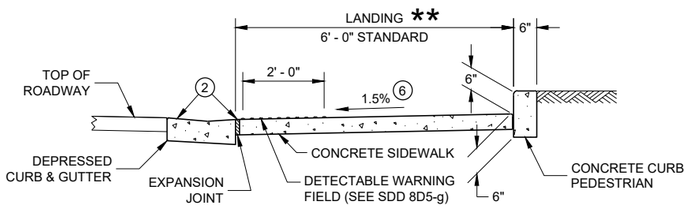
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.



VIEW A - A FOR TYPE 1

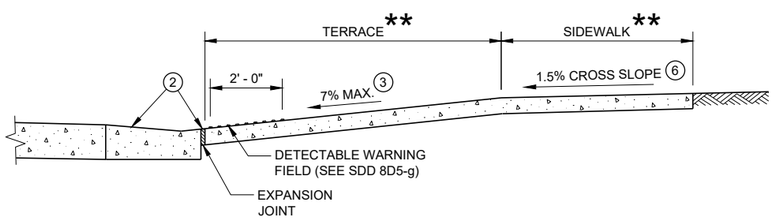


SECTION C - C FOR TYPE 1 - A

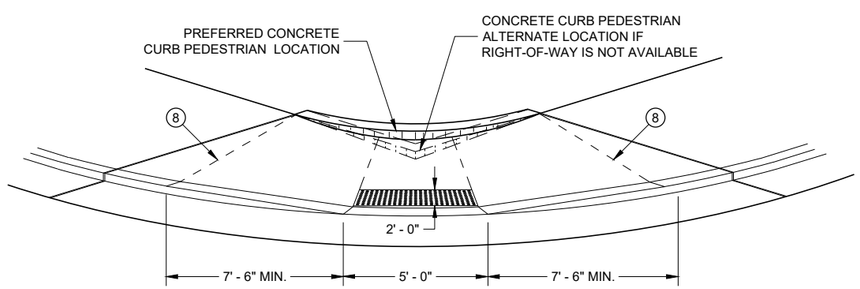
LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

CURB RAMPS
TYPE 1 AND 1-A

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

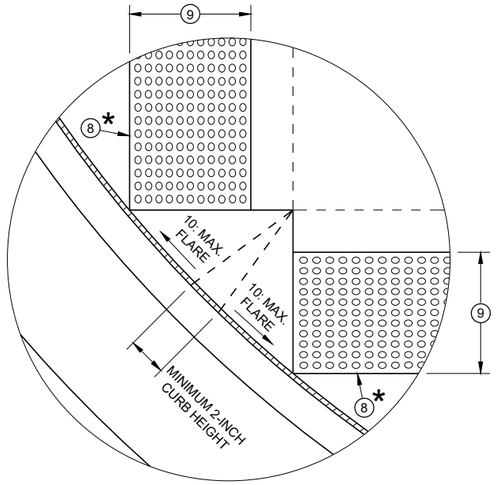
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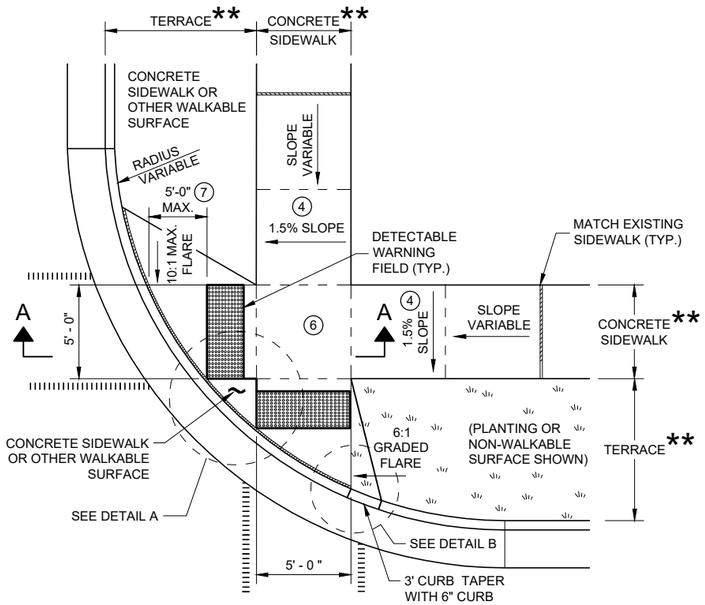
SDD 08D05 - 20a

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SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

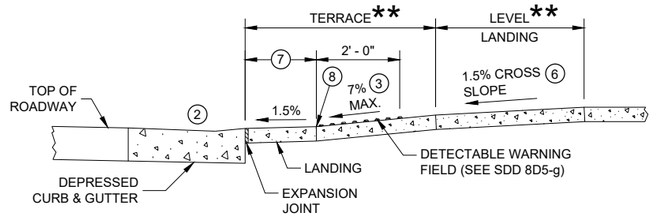
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

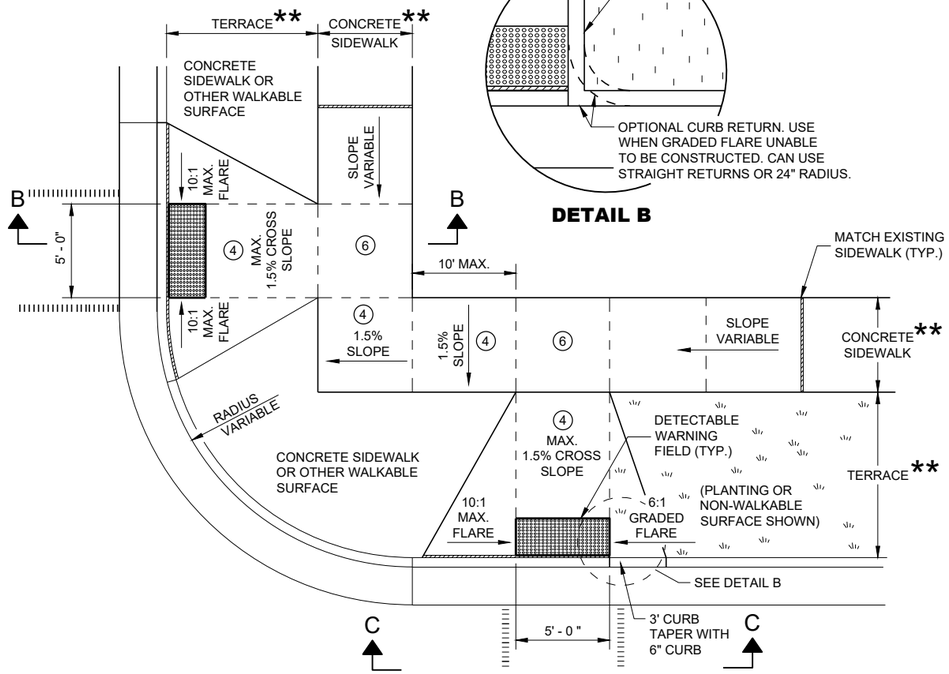
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

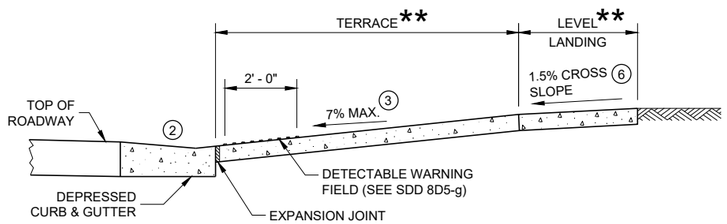
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS



DETAIL B

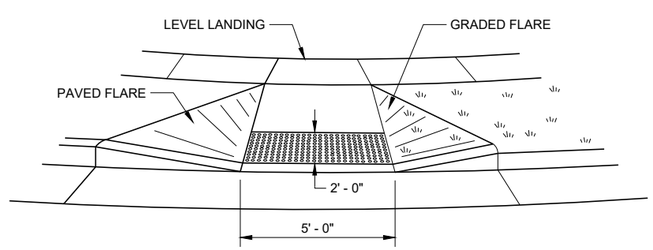
PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)



VIEW C - C FOR TYPE 3

CURB RAMPS TYPE 2 AND 3

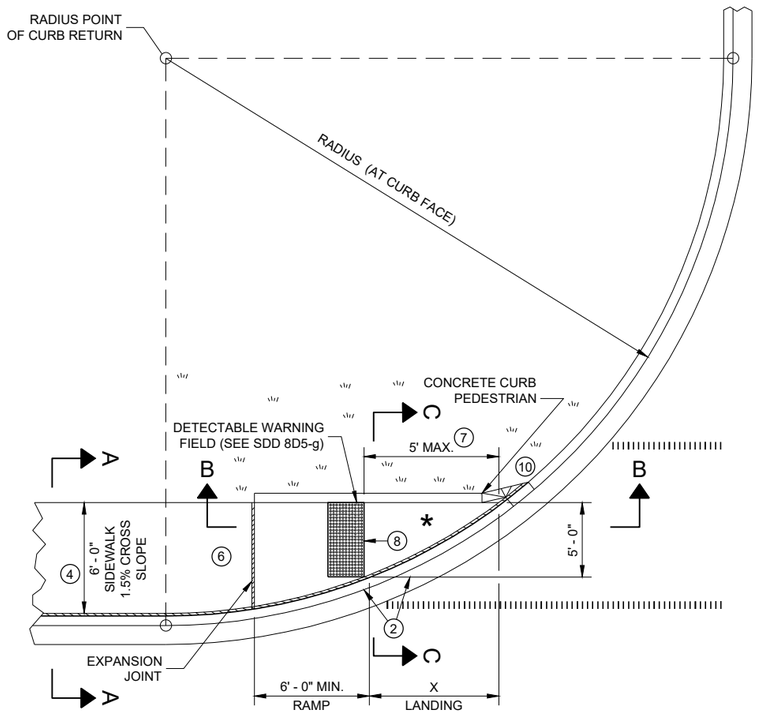
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 08D05 - 20b

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SDD 08D05 - 20b

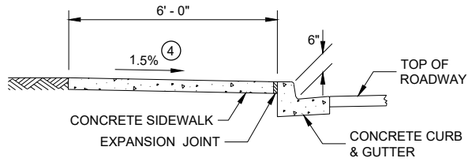


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

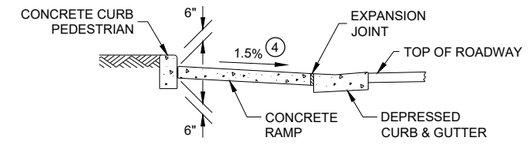
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

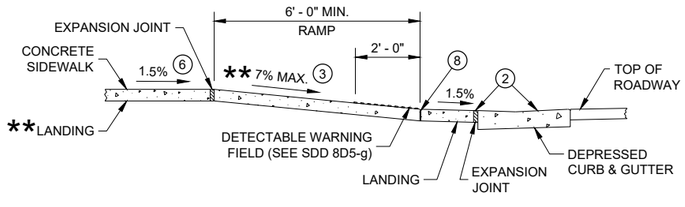
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

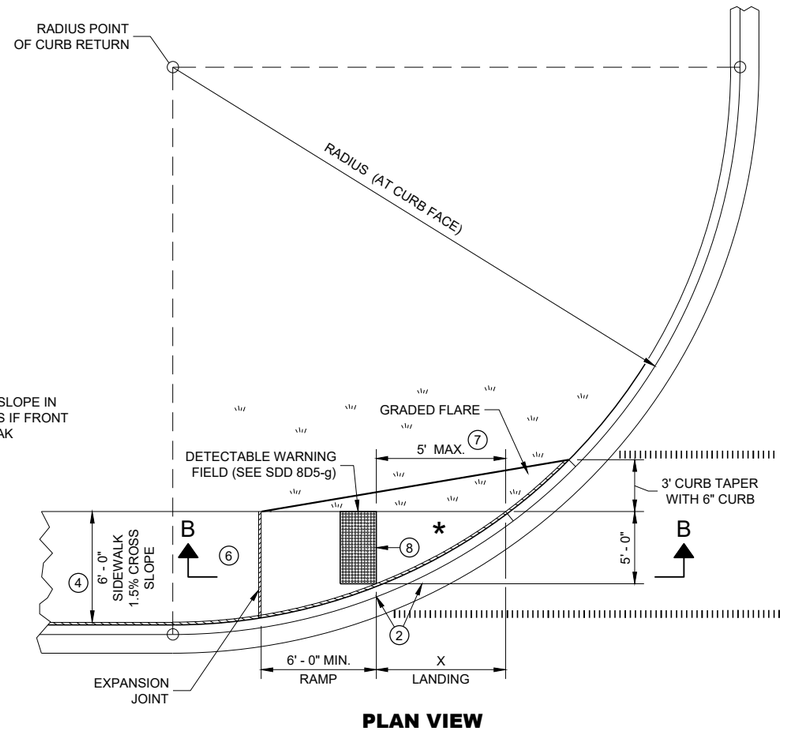


SECTION C - C FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

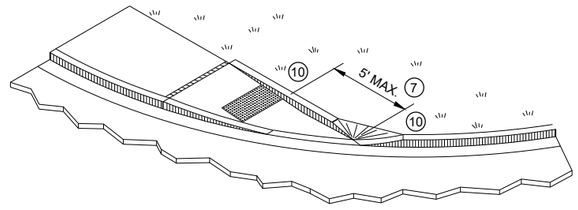
SECTION B - B FOR TYPE 4A AND TYPE 4A1



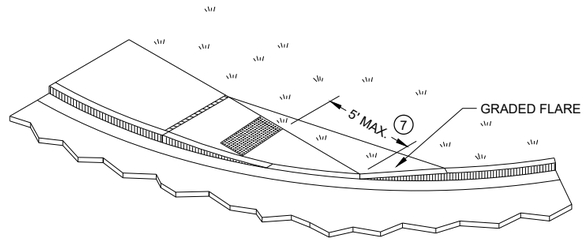
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

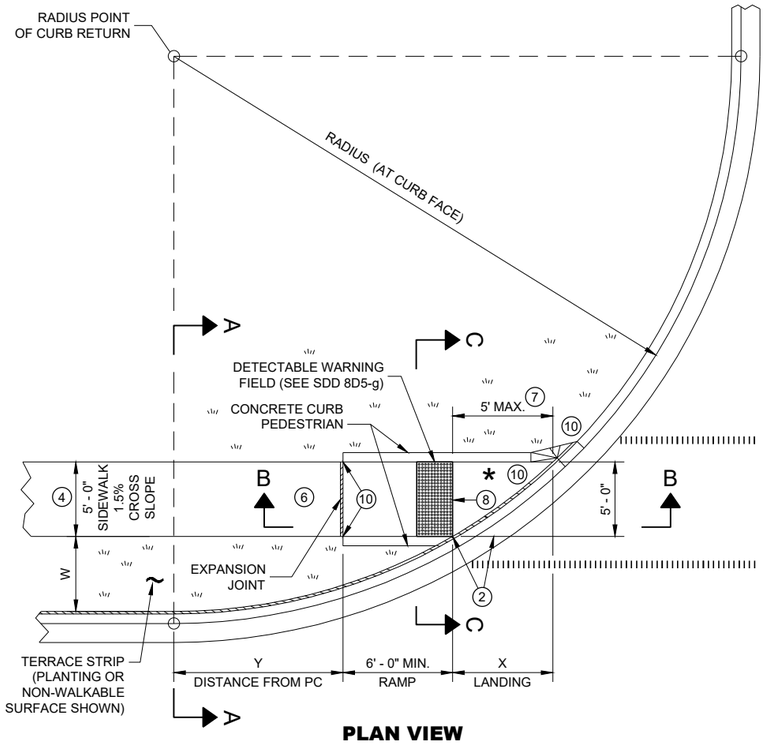
574

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SDD 08D05 - 20c

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SDD 08D05 - 20c

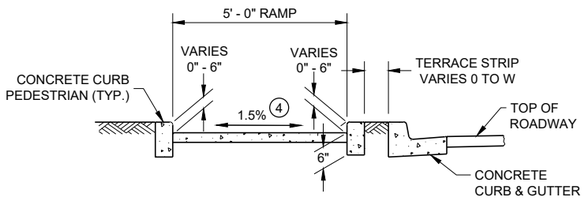


PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH



SECTION C - C FOR TYPE 4B

LEGEND

½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

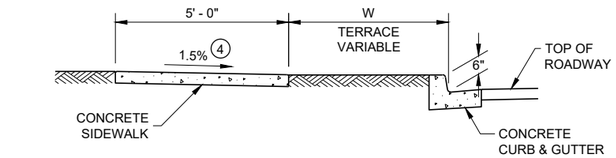
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

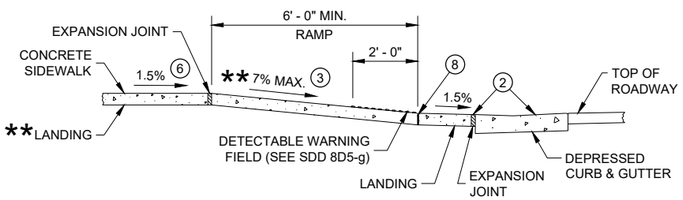
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



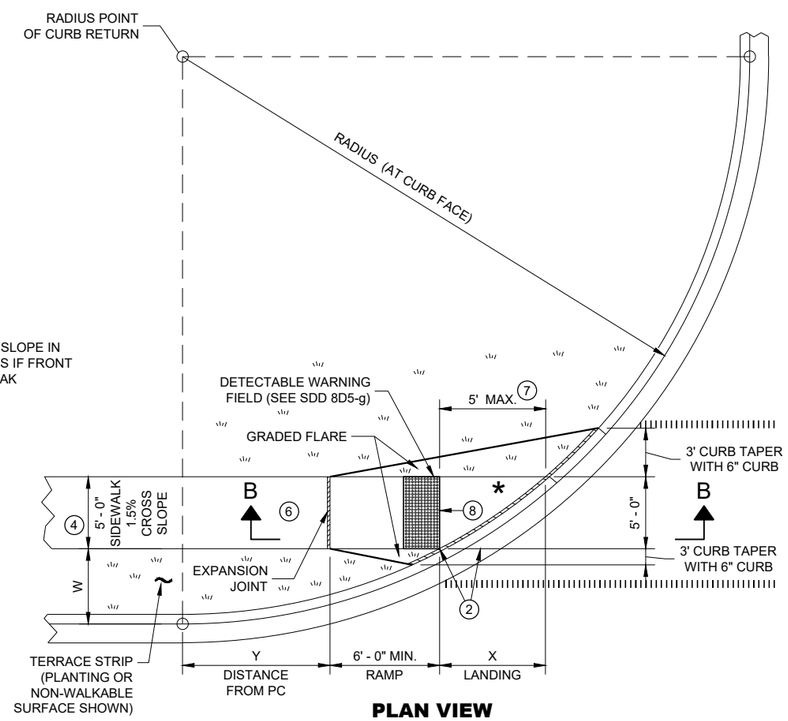
SECTION A - A FOR TYPE 4B



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

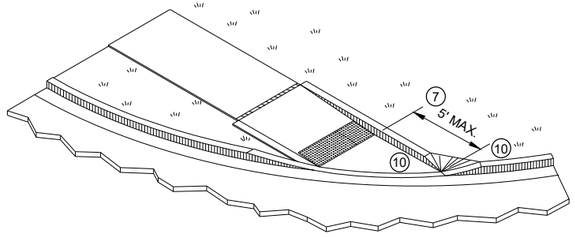
SECTION B - B FOR TYPE 4B AND TYPE 4B1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

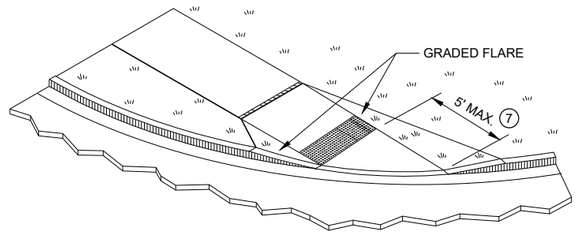


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

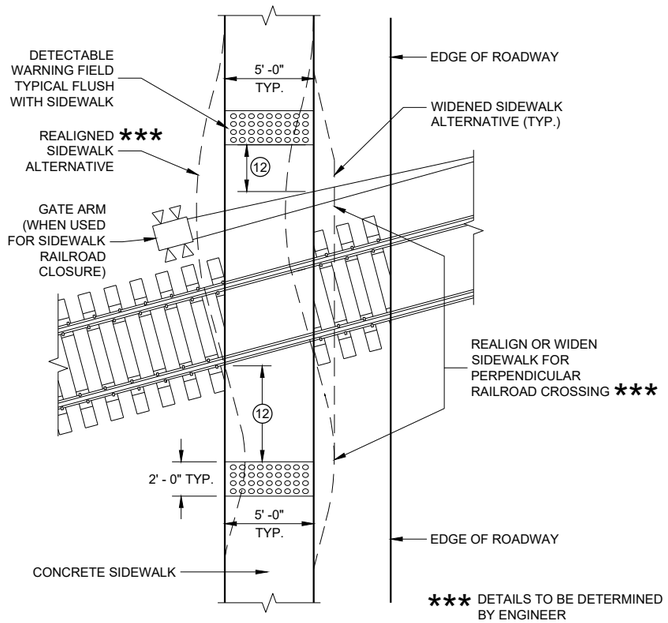
575

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SDD 08D05 - 20d

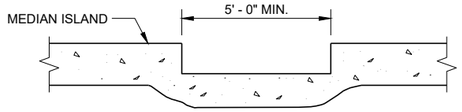
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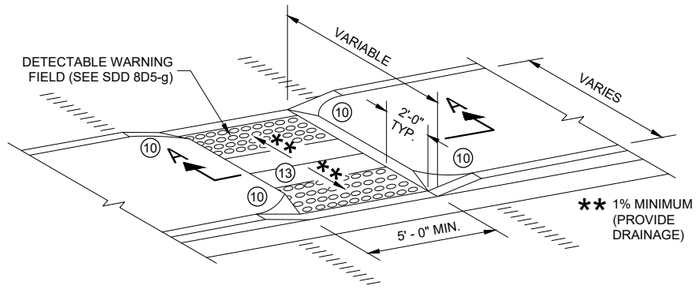


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

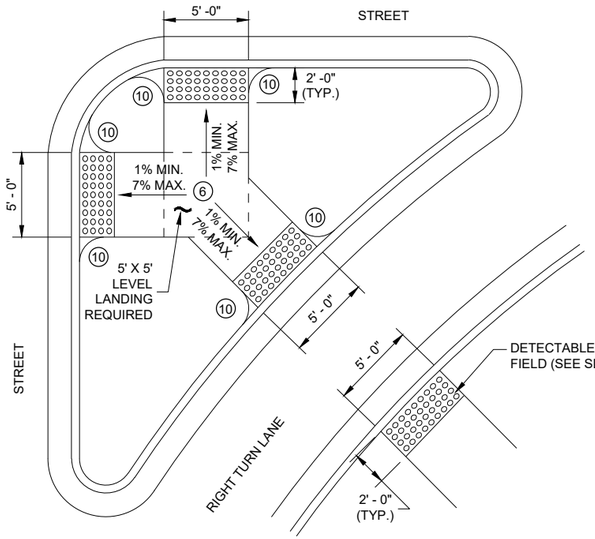
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

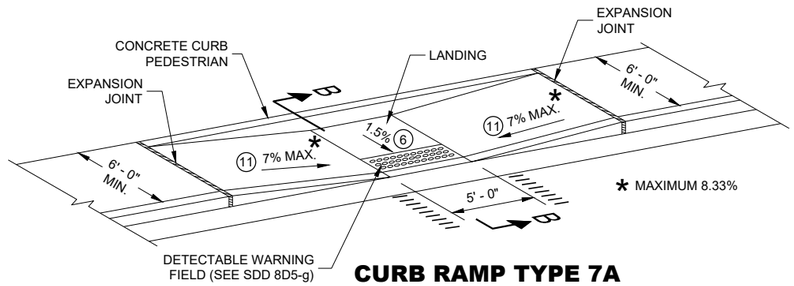
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

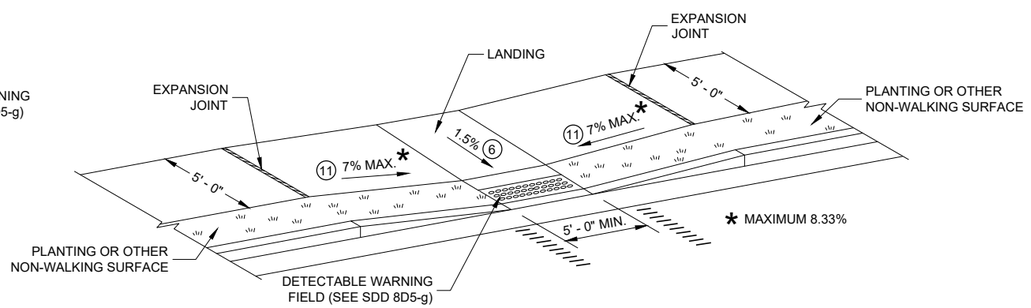
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

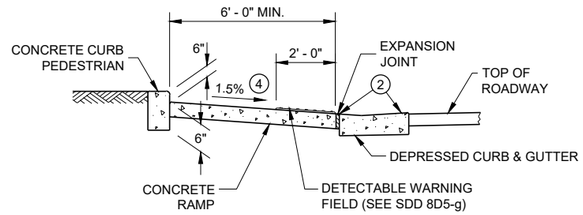
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

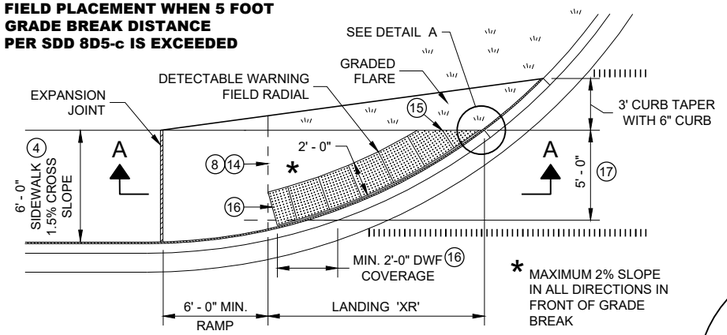
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

576

SDD 08D05 - 20e

6

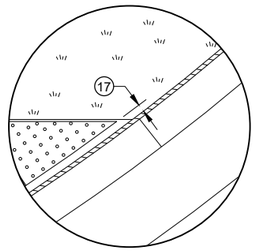
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



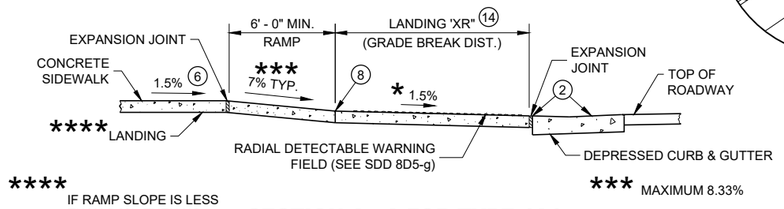
PLAN VIEW

CURB RAMP TYPE 4A1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL A

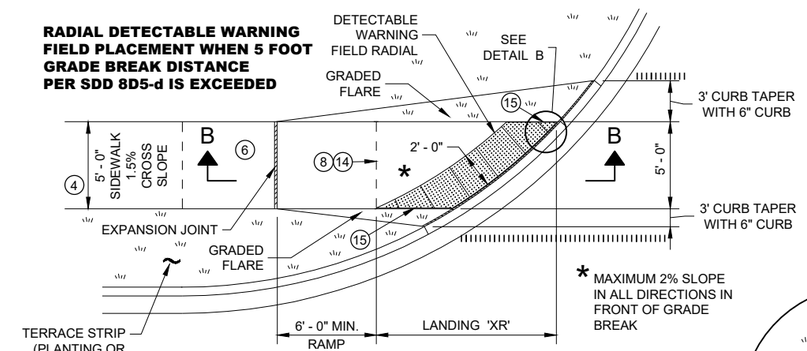


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1

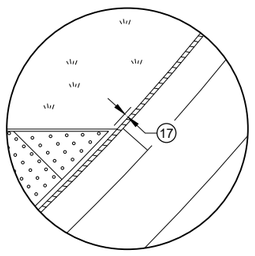
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



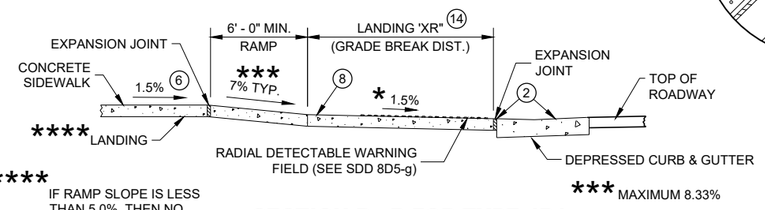
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

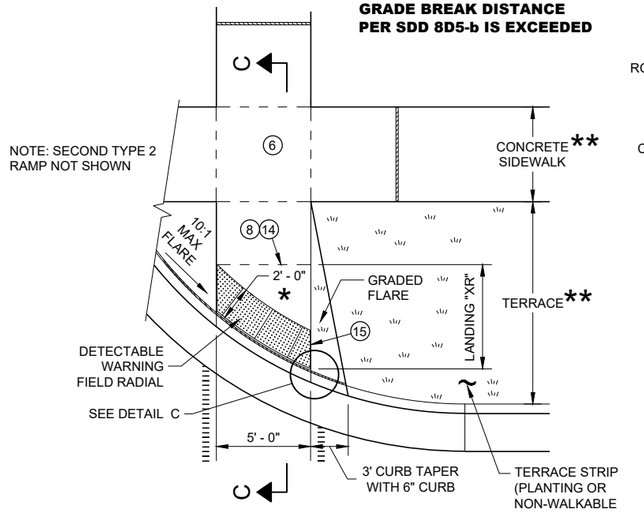
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

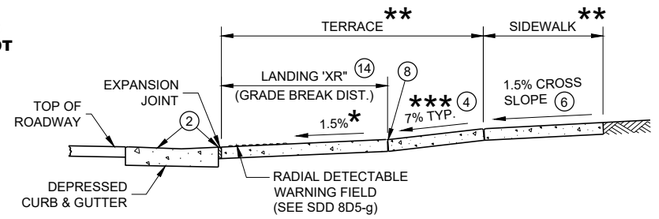


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

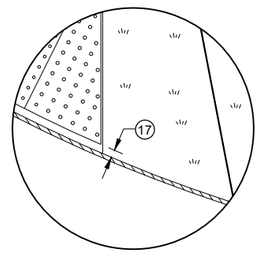


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS
RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

577

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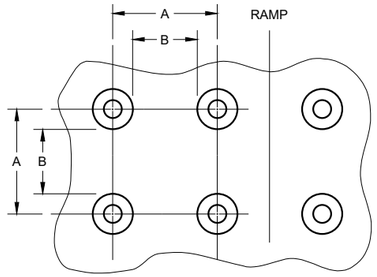
6

SDD 08D05 - 20f

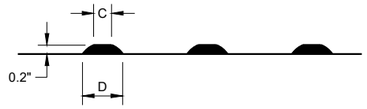
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

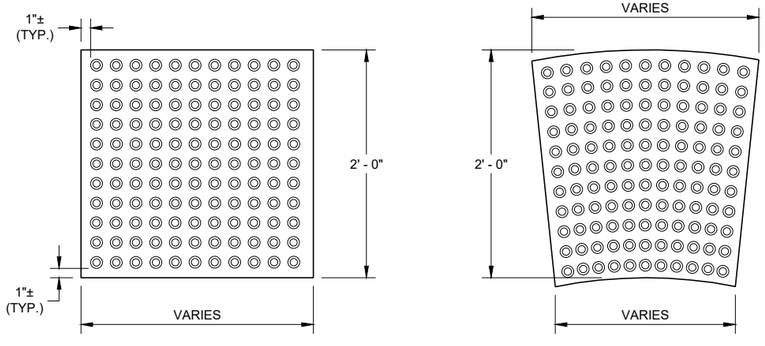


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

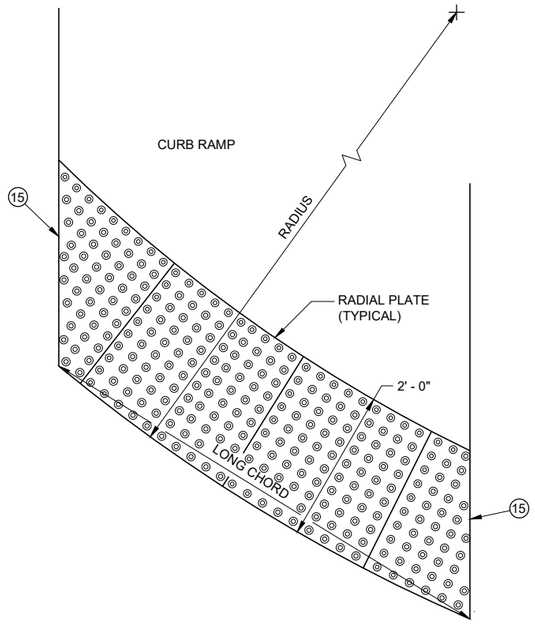
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

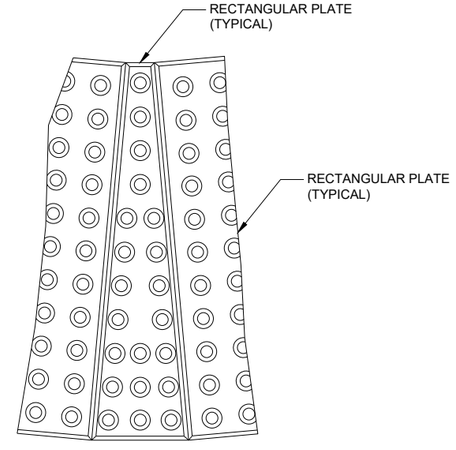
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

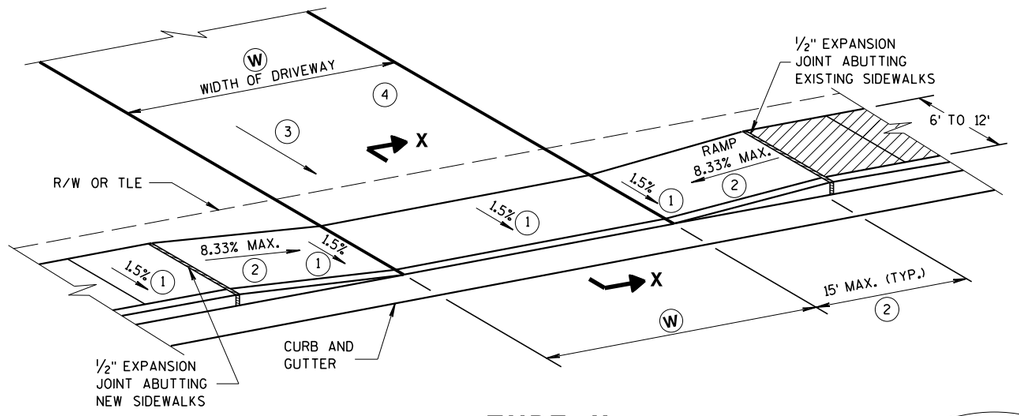
CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

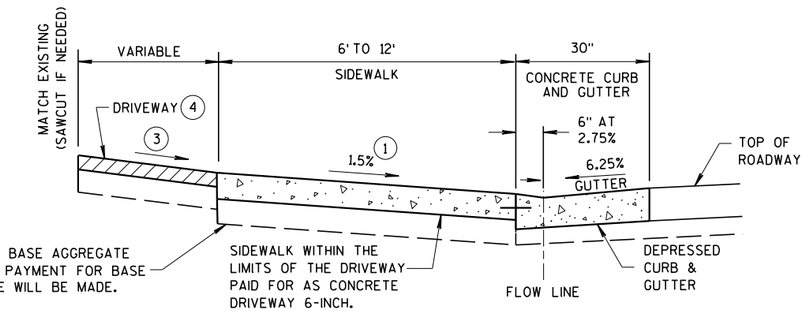
APPROVED
May 2019
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE
UNIT SUPERVISOR

FHWA

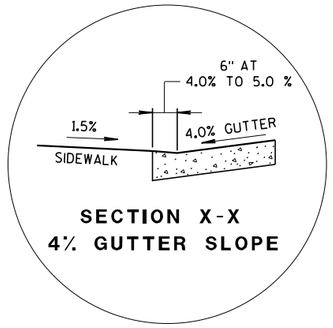
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SDD 08D05 - 20g



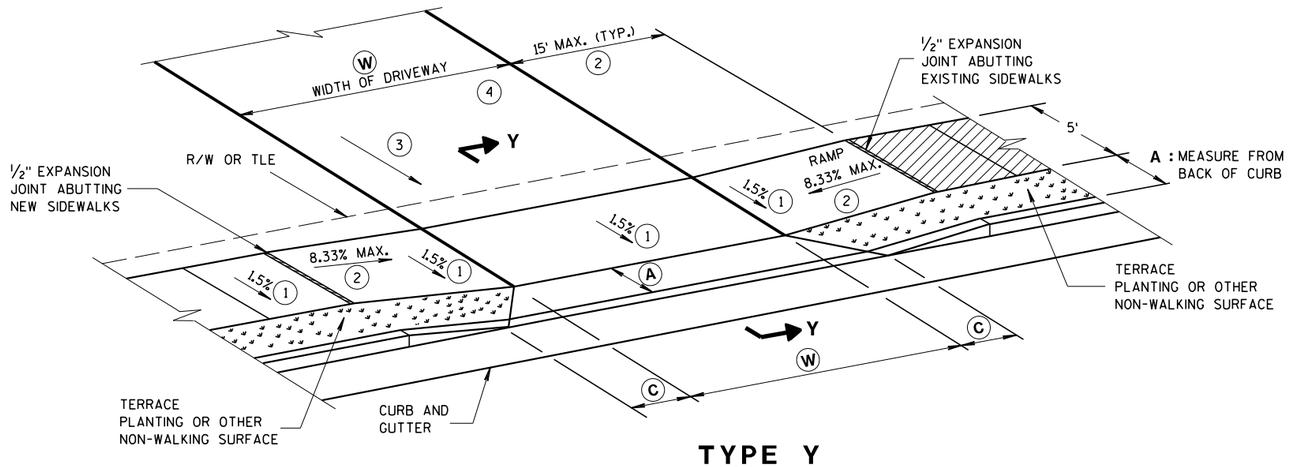
TYPE X
SIDEWALK ABUTS CURB & GUTTER
TERRACE VARIES 0 TO 3 FEET



SECTION X-X



SECTION X-X
4% GUTTER SLOPE



TYPE Y
SIDEWALK WITH NARROWER TERRACE
TERRACE VARIES 4 TO 6 FEET

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

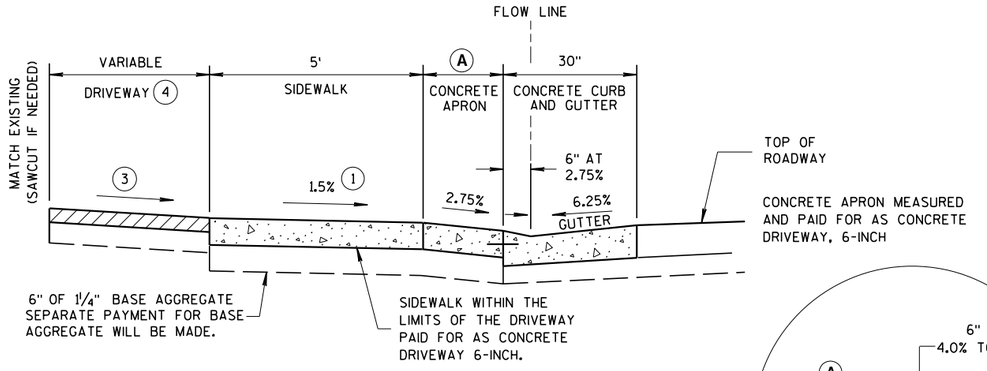
(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY. SLOPE SIDEWALK RAMP TOWARD APRON AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
- 10.5% UP AWAY FROM SIDEWALK (SAG)
- 8.5% DOWN AWAY FROM SIDEWALK (CREST)
- ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

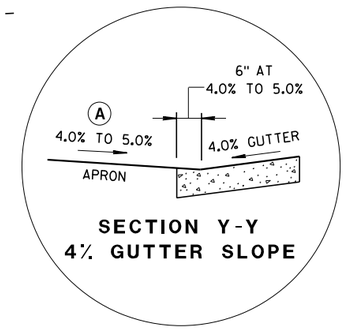
(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)



NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS

SECTION Y-Y



SECTION Y-Y
4% GUTTER SLOPE

DRIVEWAY DETAIL
WITH CONCRETE CURB & GUTTER
(URBAN AND SUBURBAN)

TABLE Y

(A) FEET	(C) FEET
3.5'	2.0'
4.5'	3.0'
5.5'	3.5'

NOT TO SCALE

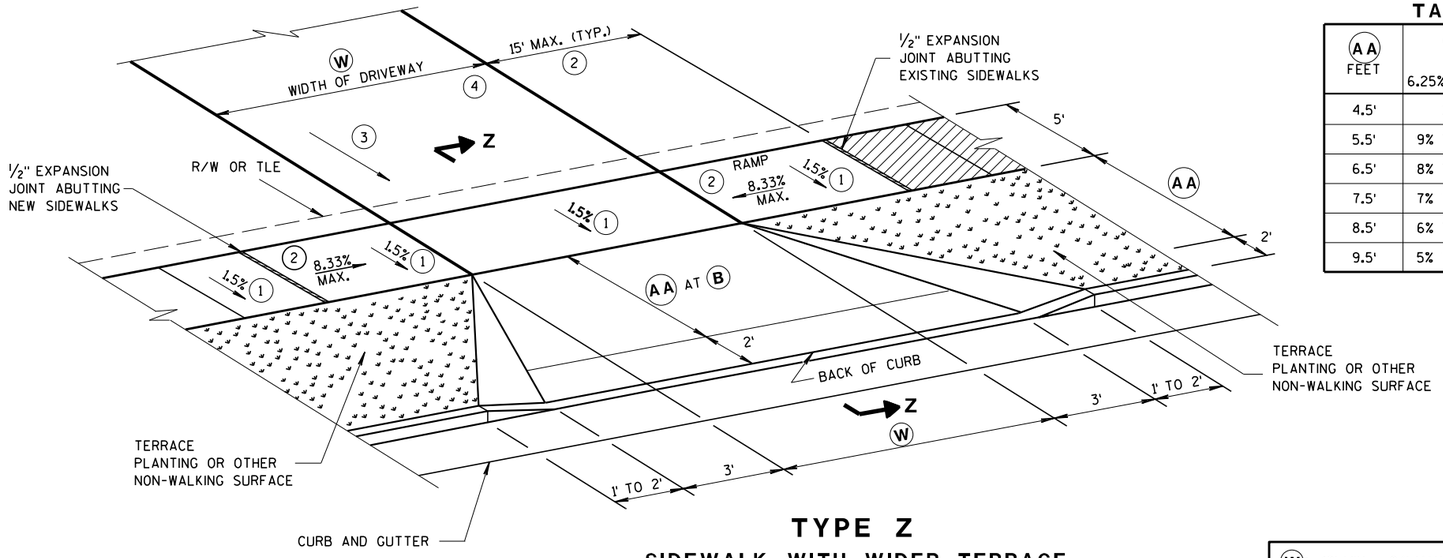
DRIVEWAY AND SIDEWALK RAMPS
TYPES X & Y

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT UNIT SUPERVISOR
FHWA

S.D.D. 8 D 18-2

S.D.D. 8 D 18-2



TYPE Z

SIDEWALK WITH WIDER TERRACE
TERRACE VARIES 7 TO 12 FEET

TABLE Z

(AA) FEET	(B) % 6.25% GUTTER	(B) % 4% GUTTER
4.5'	11.5%	9% TO 11.5%
5.5'	9% TO 11.5%	8% TO 11.5%
6.5'	8% TO 11.5%	6% TO 11.5%
7.5'	7% TO 11.5%	6% TO 11.5%
8.5'	6% TO 11.5%	5% TO 11.5%
9.5'	5% TO 11.5%	4% TO 11.5%

(W): 12' MIN. - 24' MAX. RESIDENTIAL AND NON-COMMERCIAL (PE & FE)
16' MIN. - 35' MAX. COMMERCIAL (CE)

GENERAL NOTES

PROVIDE CONSTRUCTION JOINTS ALONG THE CENTER OF THE CONCRETE FOR DRIVEWAYS UNDER 20 FEET IN WIDTH AND AT THE THIRD POINTS OVER 20 FEET IN WIDTH.

(W) IS SHOWN ON PLAN AND PROFILE SHEETS.

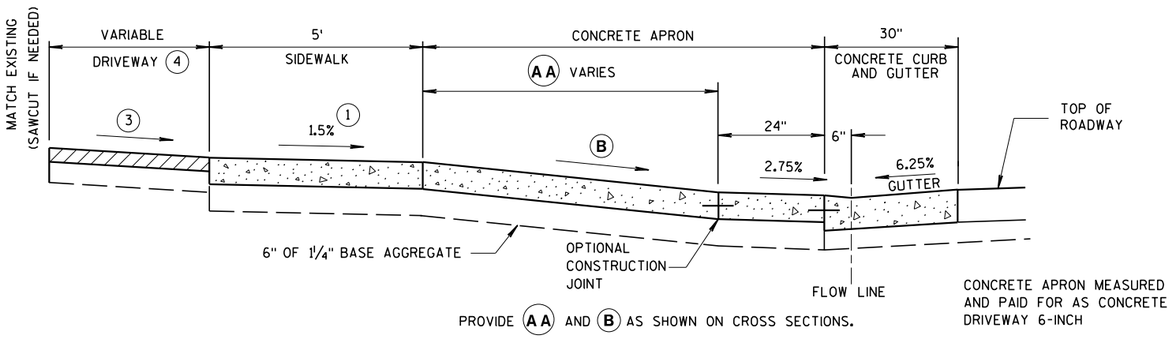
OFFSETS, ELEVATIONS, AND PERCENT GRADE ARE SHOWN ON THE CROSS SECTIONS.

(1) CONSTRUCTION TOLERANCE OF 0.5% ± FOR SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

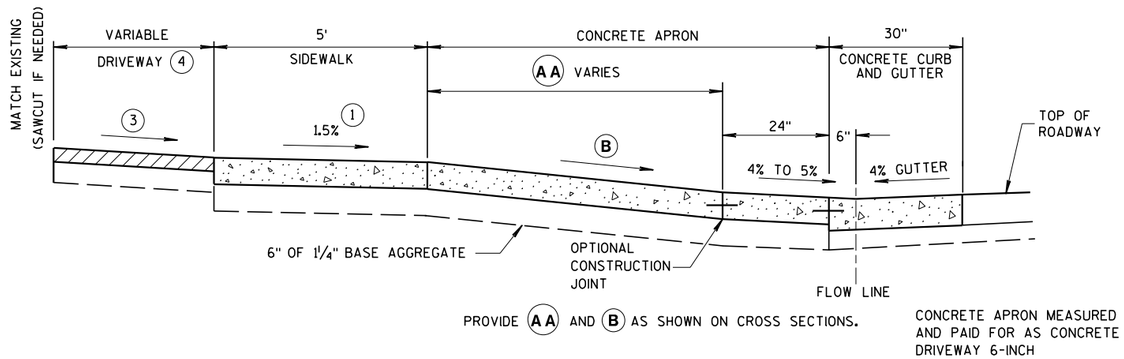
(2) THE SIDEWALK RAMP MAXIMUM RUNNING SLOPE SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15 FEET TO AVOID CHASING THE SLOPE INDEFINITELY WHEN CONNECTING TO STEEP GRADES. WHEN APPLYING THE 15 FOOT MAXIMUM LENGTH, THE RUNNING SLOPE OF THE SIDEWALK SHALL BE AS FLAT AS FEASIBLE AND NOT EXCEED THE LONGITUDINAL GRADE OF THE ROADWAY.

(3) DRIVEWAY SLOPES: DESIRABLE MAXIMUM
10.5% UP AWAY FROM SIDEWALK (SAG)
8.5% DOWN AWAY FROM SIDEWALK (CREST)
ABSOLUTE MAXIMUM 15% FOR BOTH CREST AND SAG

(4) DRIVEWAY TYPES
- 6-INCH CONCRETE DRIVEWAY PAVEMENT OVER 6-INCH BASE AGGREGATE
- 2-INCH TO 3-INCH ASPHALTIC SURFACE OVER 6-INCH BASE AGGREGATE
- 6-INCH BASE AGGREGATE (MAY BE INCREASED FOR CLAY SUBGRADES)



6.25% GUTTER SLOPE



4% GUTTER SLOPE

NOTE: SIDEWALK MAY BE DEPRESSED IN DRIVEWAY AREAS FOR **B** VALUES NOT SHOWN IN TABLE Z.

SIDEWALK WITHIN THE LIMITS OF THE DRIVEWAY PAID FOR AS CONCRETE DRIVEWAY 6-INCH.

SEPARATE PAYMENT FOR BASE AGGREGATE WILL BE MADE.

SECTION Z-Z

DRIVEWAY DETAIL WITH CONCRETE CURB & GUTTER

(URBAN AND SUBURBAN)

NOT TO SCALE

DRIVEWAY AND SIDEWALK RAMPS TYPE Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

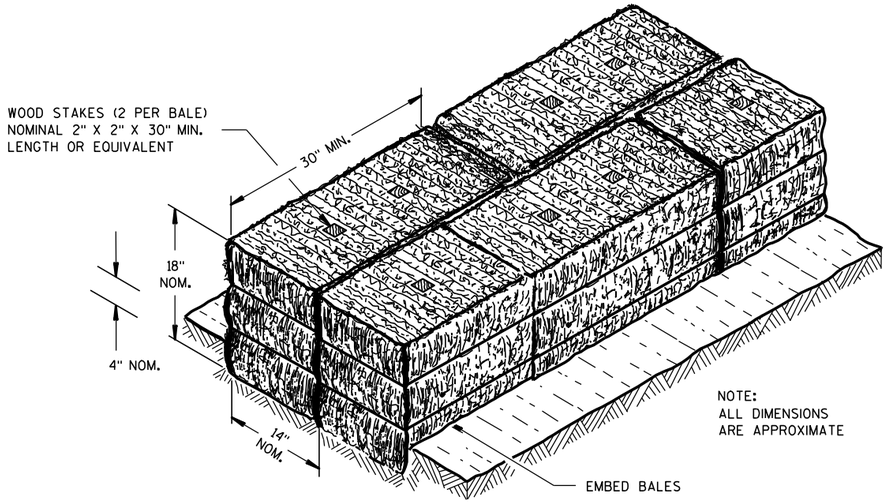
APPROVED
March 2018 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS 580 UNIT SUPERVISOR
FHWA

6

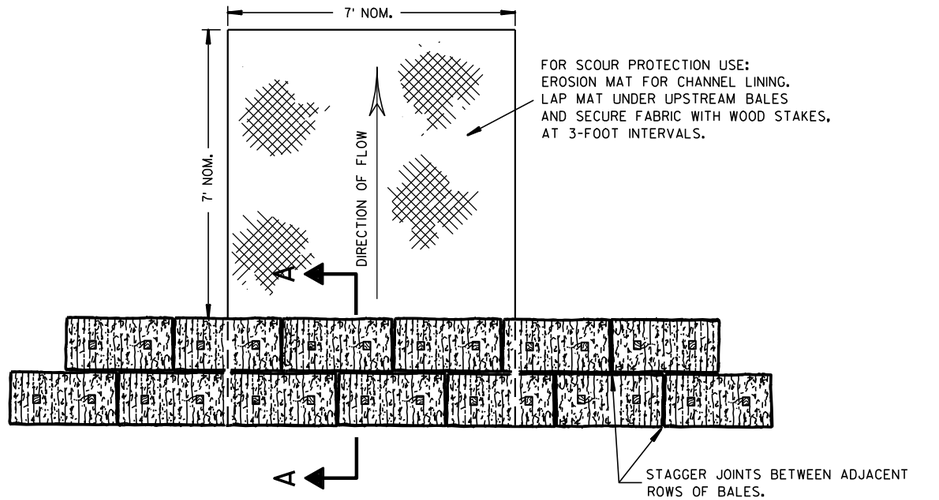
S.D.D. 8 D 19-2

6

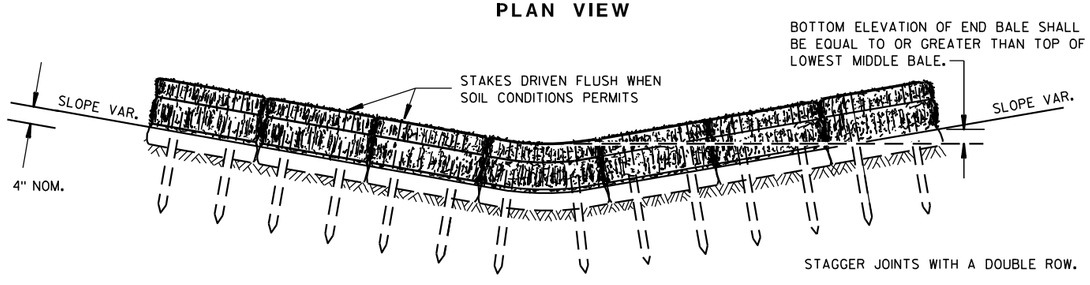
S.D.D. 8 D 19-2



SECTION A-A



PLAN VIEW



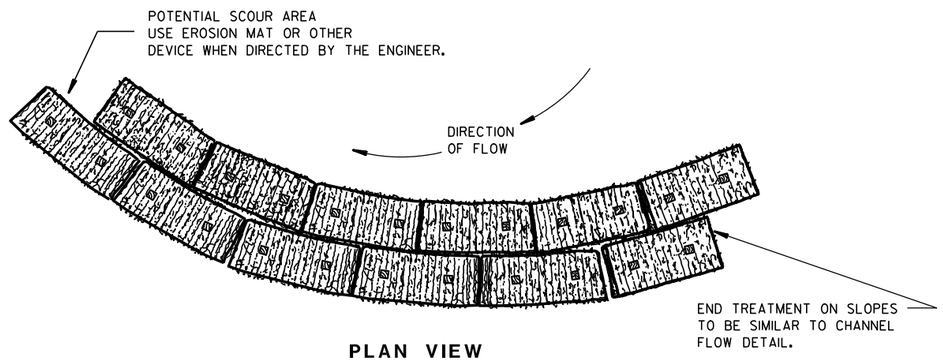
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES ①

GENERAL NOTES

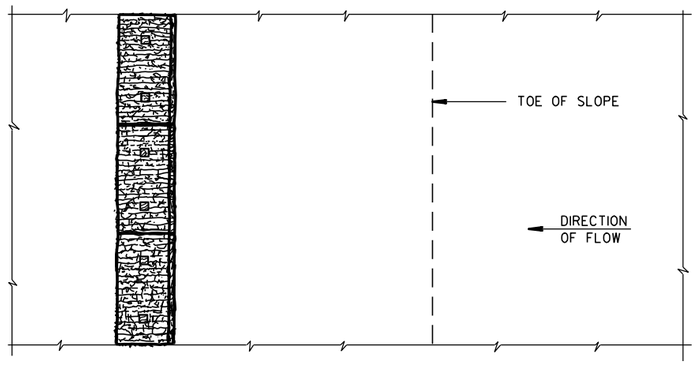
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

① TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

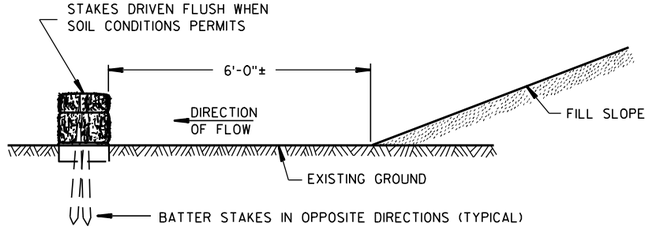


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

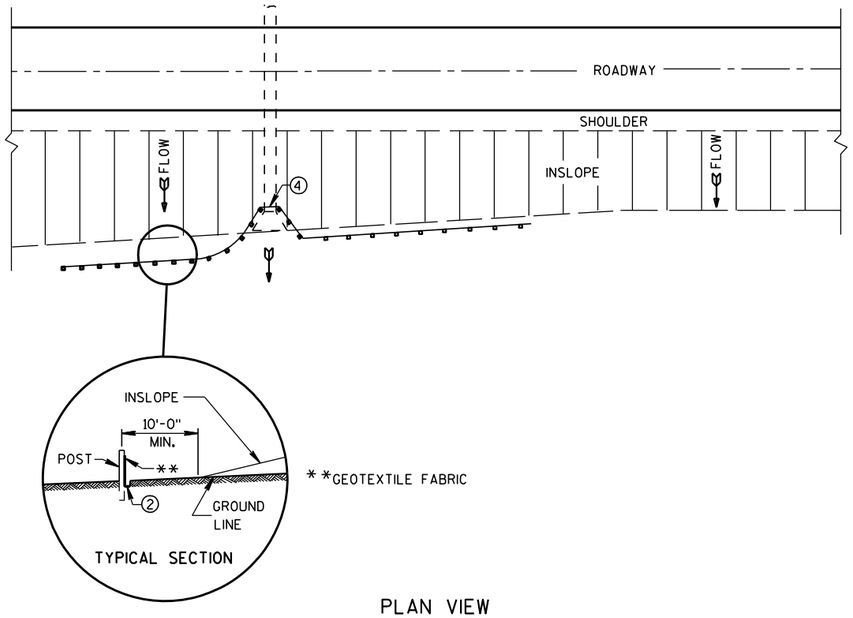
APPROVED
6/04/02 — DATE
/S/ Beth Cannestra — CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

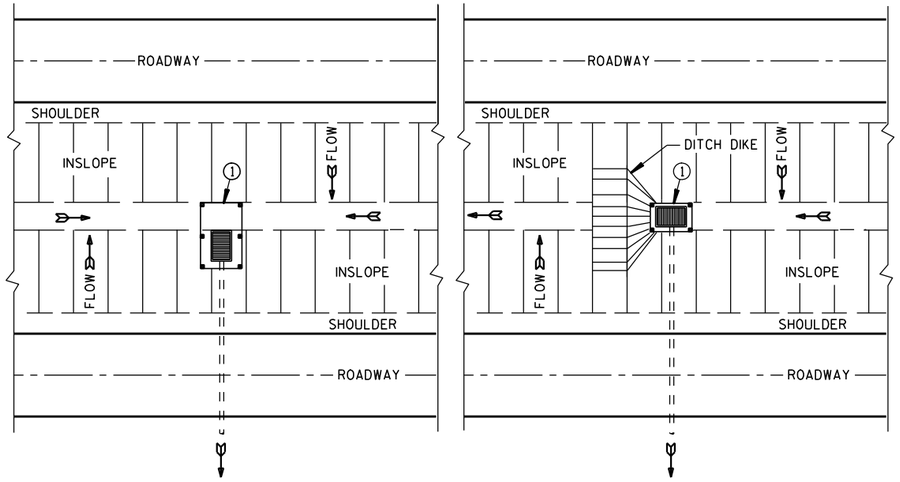
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



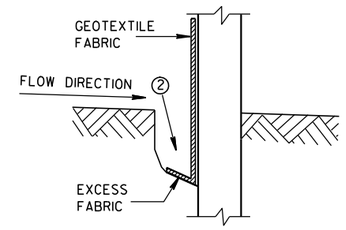
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

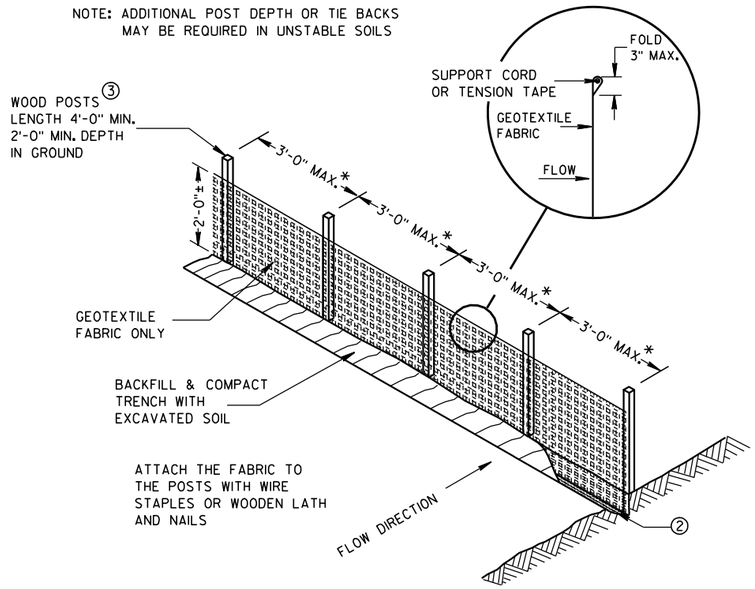
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

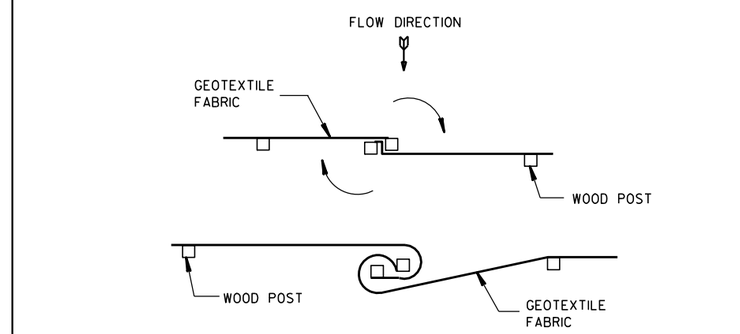
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



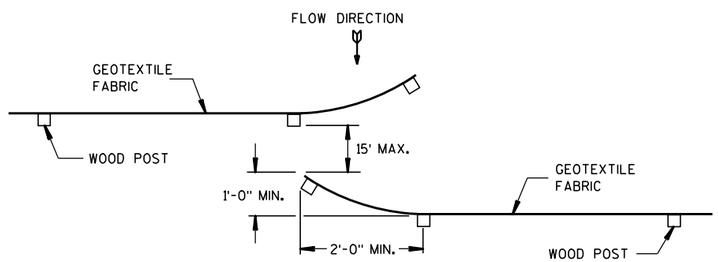
TRENCH DETAIL



SILT FENCE

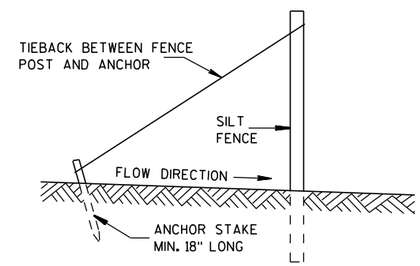


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

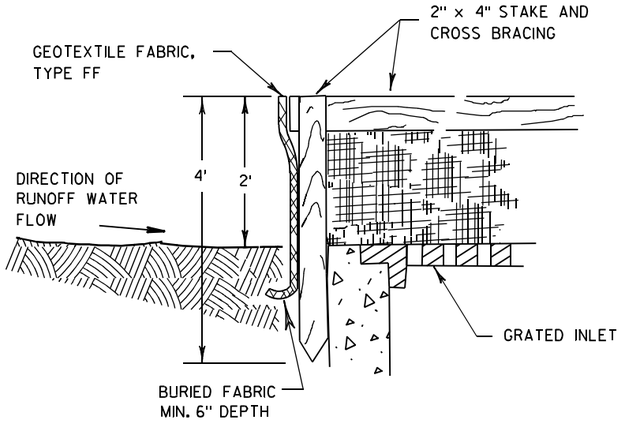
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

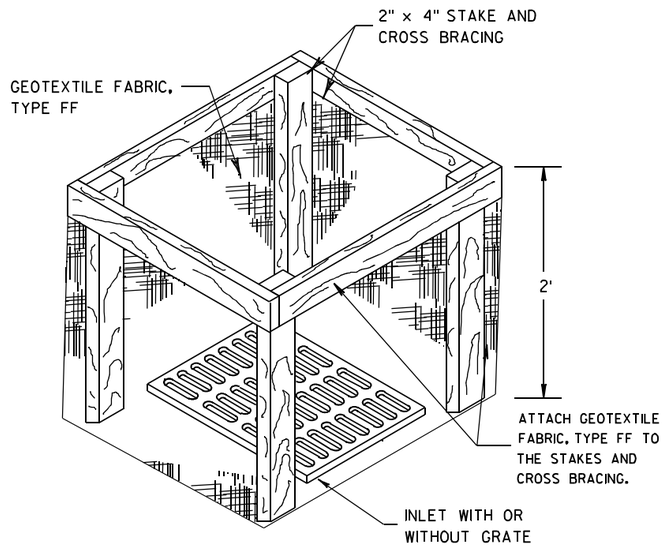
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S.D.D. 8 E 9-6

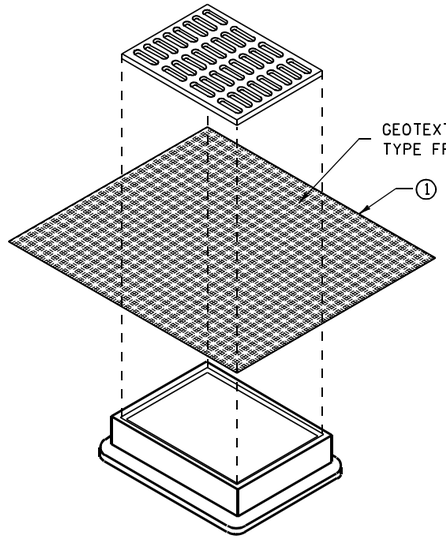
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S.D.D. 8 E 9-6



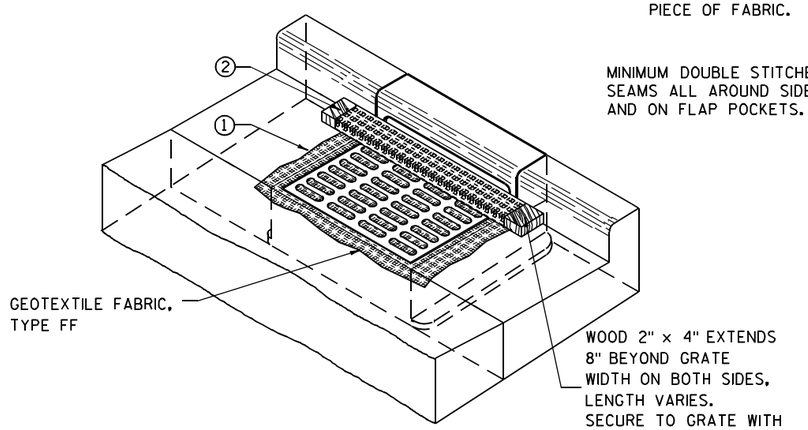


INLET PROTECTION, TYPE A

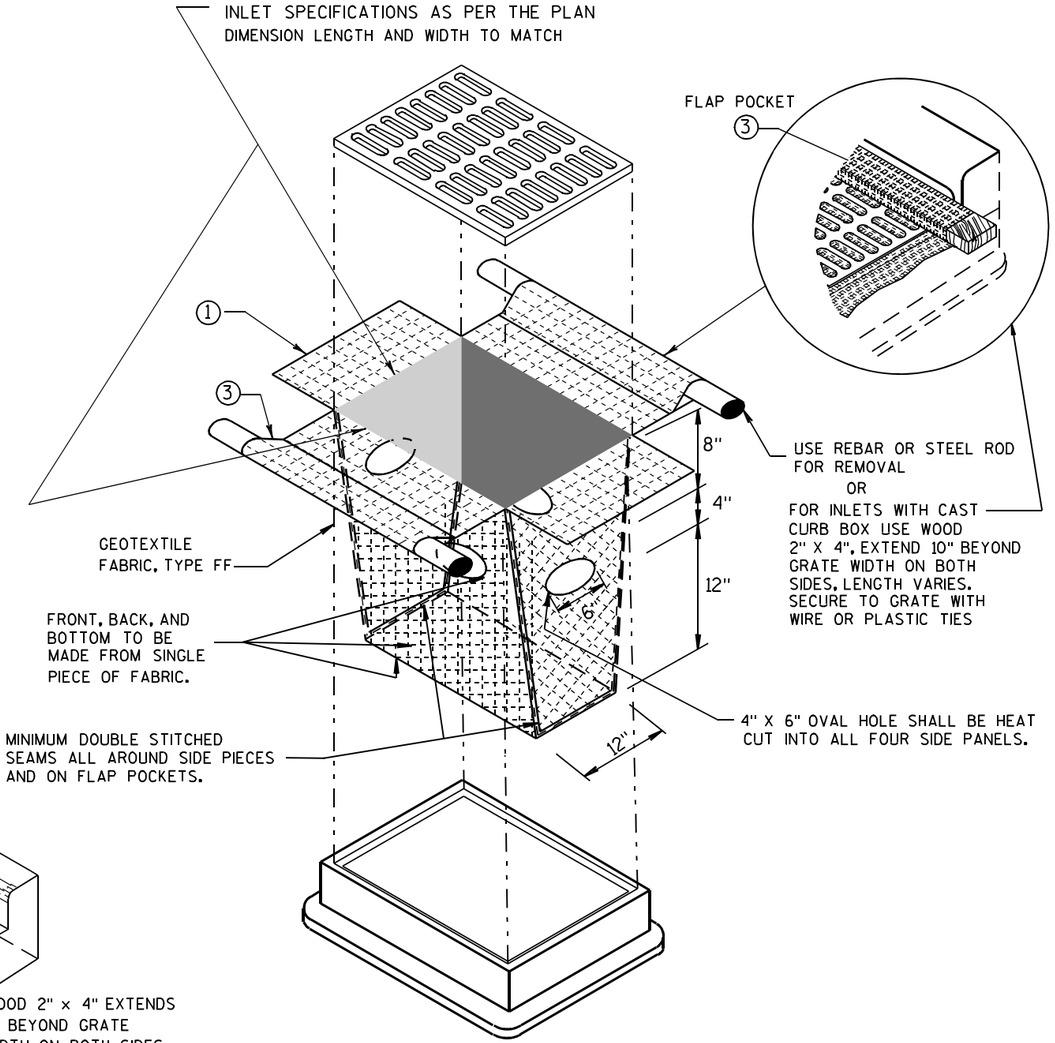


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

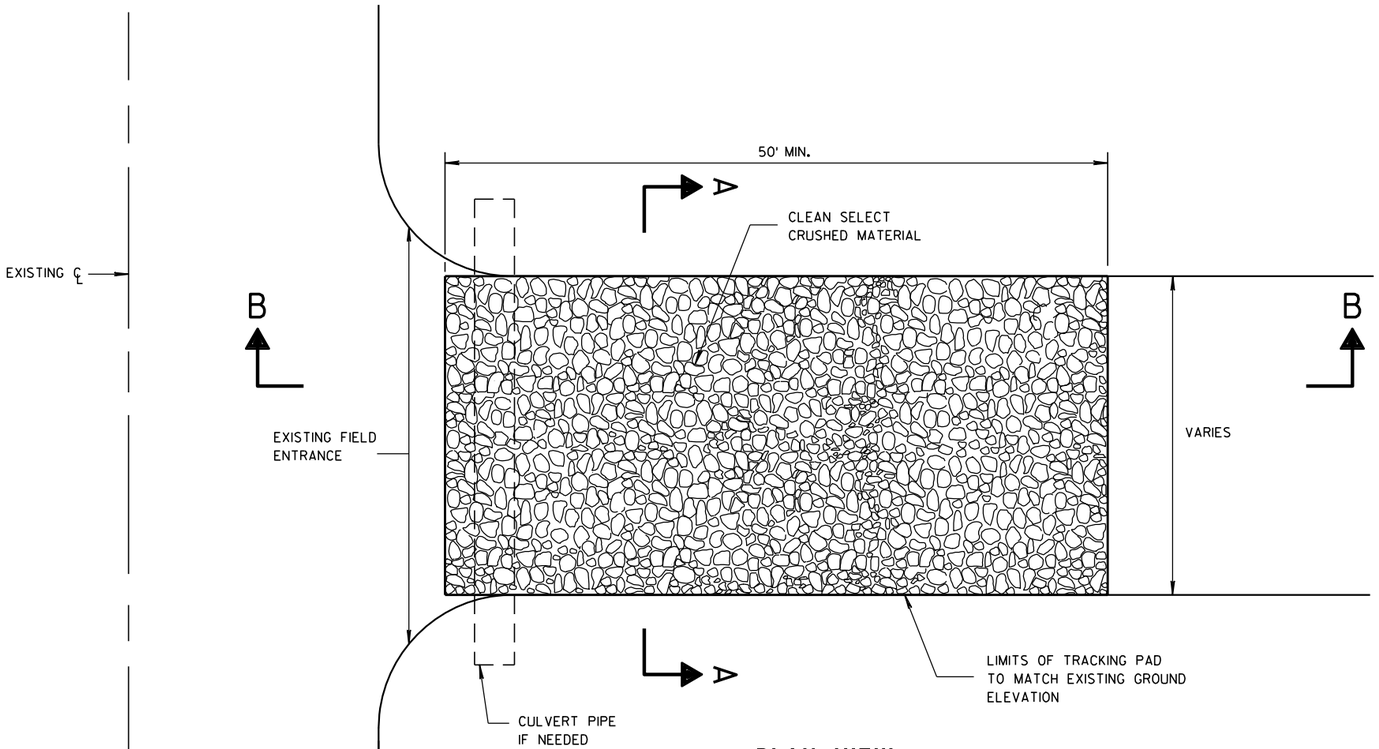
FHWA

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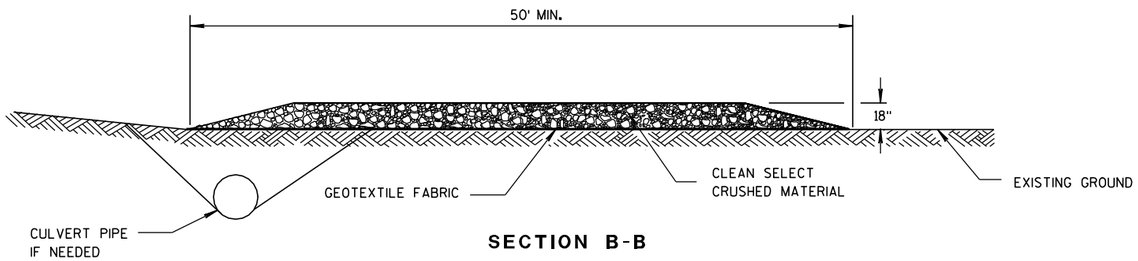
S.D.D. 8 E 10-2

6

S.D.D. 8 E 10-2



PLAN VIEW



SECTION B-B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

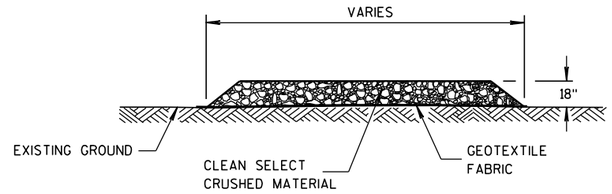
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

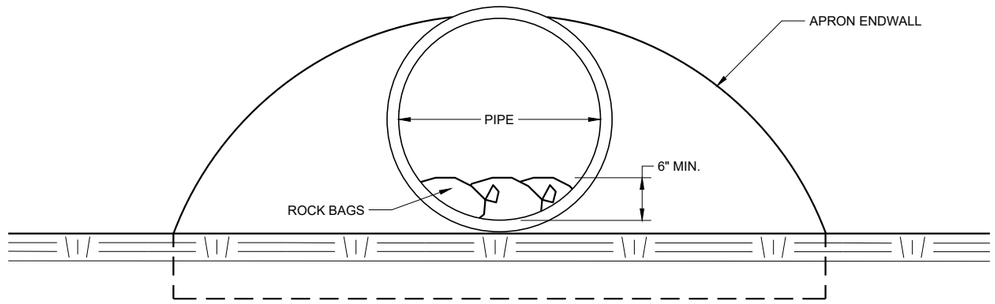
TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

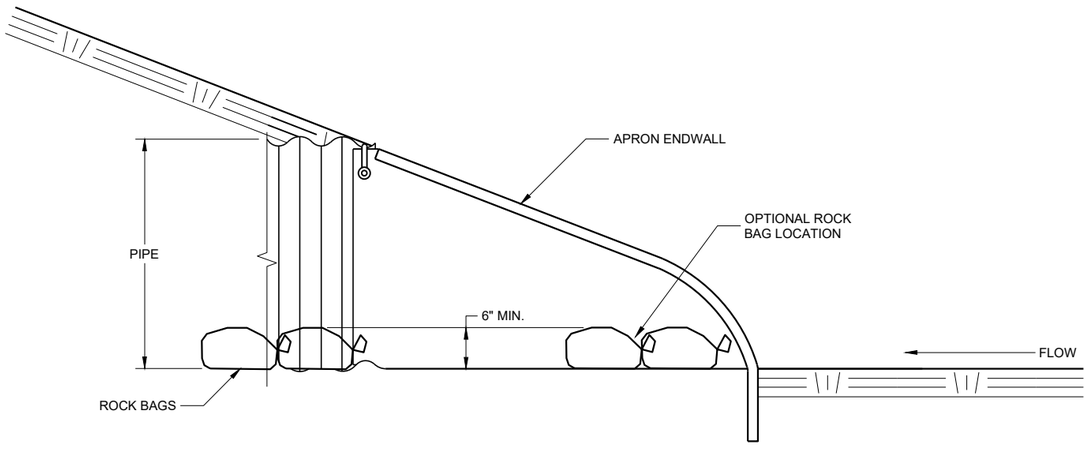
APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 E 14-1



END VIEW



SIDE VIEW

CULVERT PIPE CHECK

(INSTALL ON INLET END ONLY)

CULVERT PIPE CHECK

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Daniel Schave
EROSION CONTROL ENGI

FHWA

6

SDD 08E15 - 01

6

SDD 08E15 - 01

METAL APRON ENDWALLS

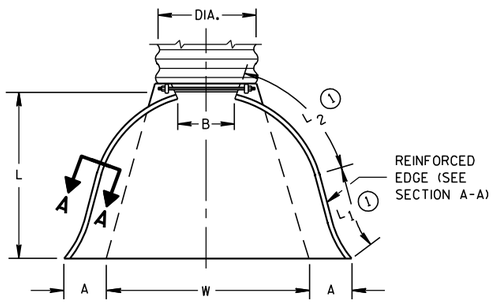
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

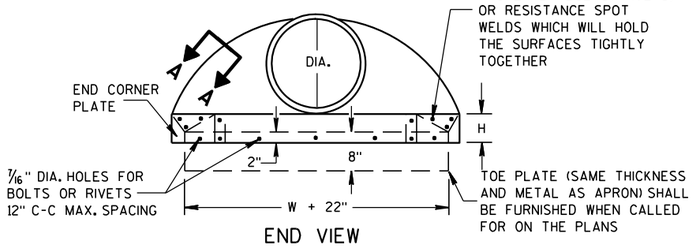
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

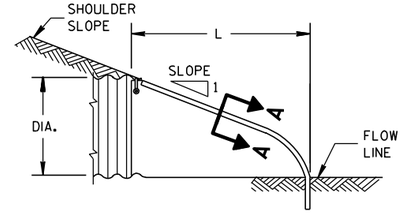
*MINIMUM
**MAXIMUM



PLAN VIEW

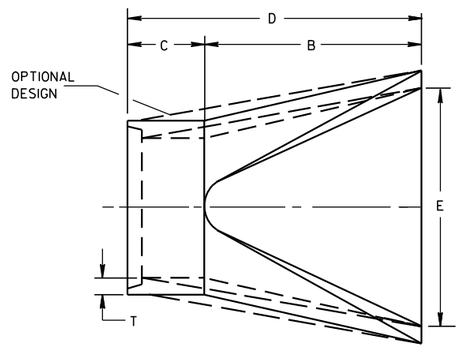


END VIEW

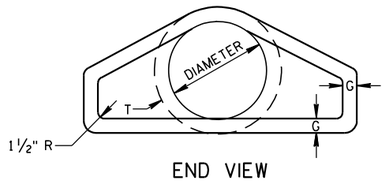


SIDE ELEVATION

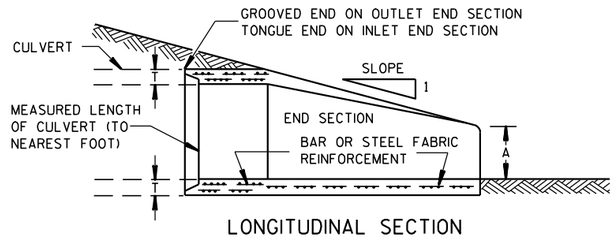
METAL ENDWALLS



PLAN

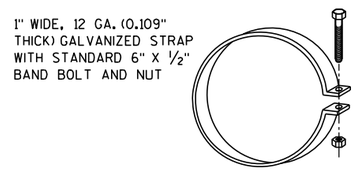


END VIEW



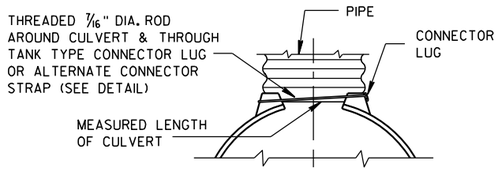
LONGITUDINAL SECTION

CONCRETE ENDWALLS

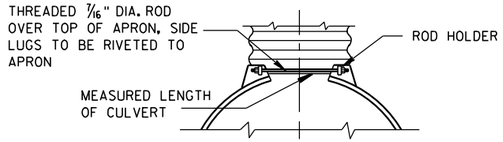


ALTERNATE FOR TYPE 1 CONNECTION

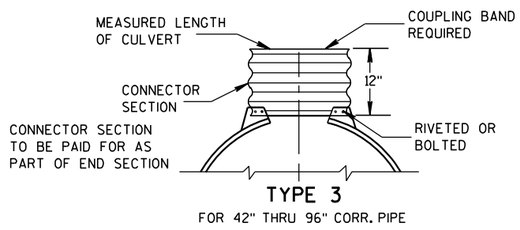
END SECTION CONNECTOR STRAP



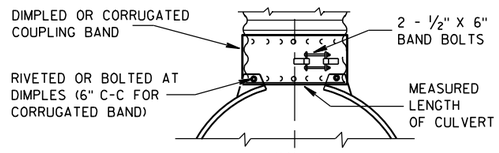
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

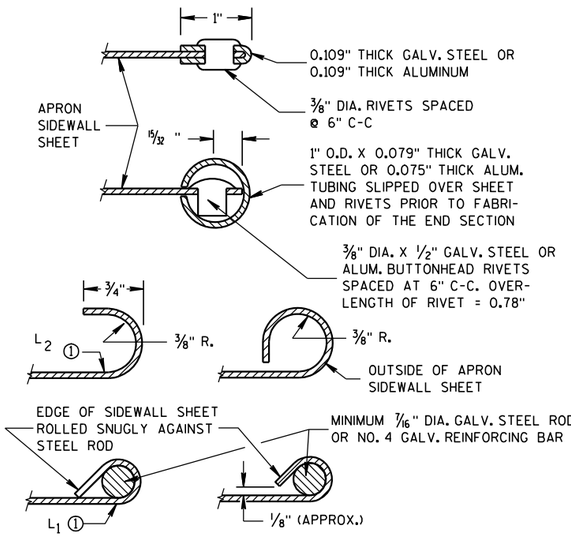
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

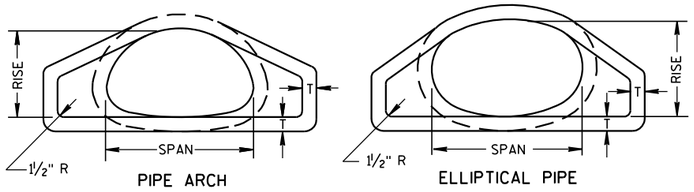
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

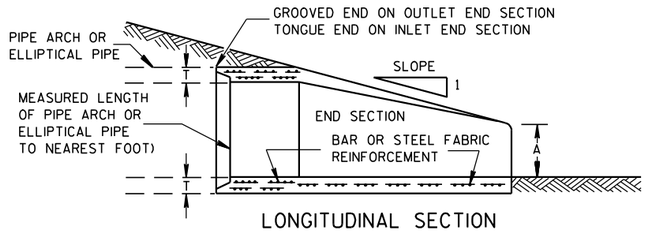
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

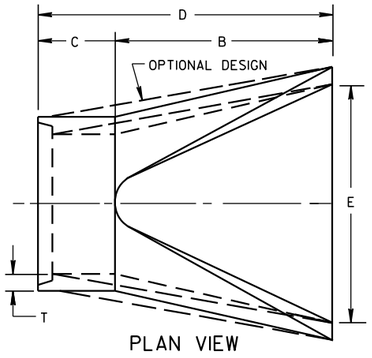
6
S.D.D. 8 F 1-11



END VIEW

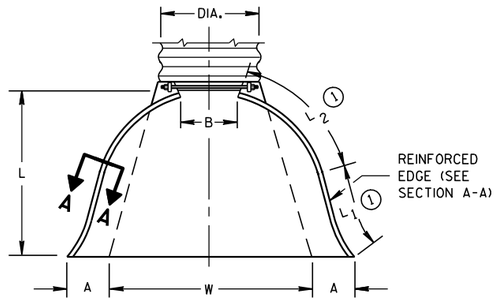


LONGITUDINAL SECTION

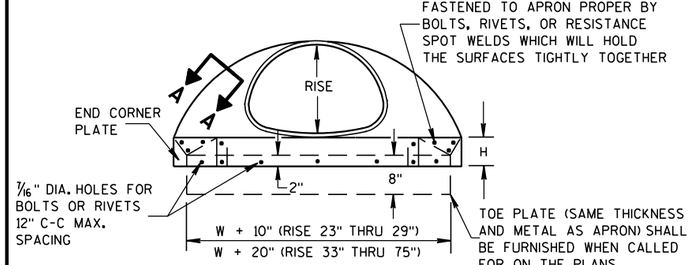


PLAN VIEW

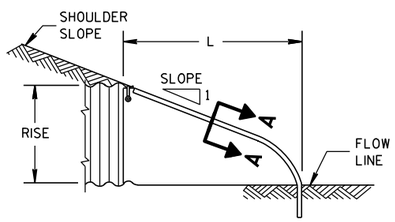
CONCRETE ENDWALLS



PLAN VIEW

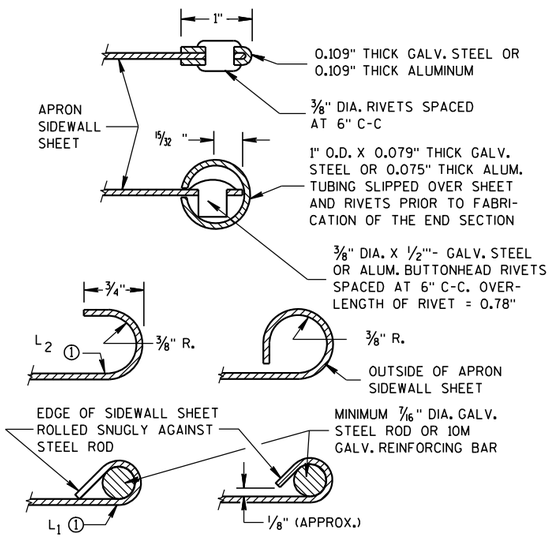


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

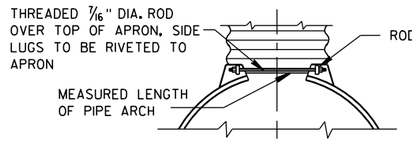
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

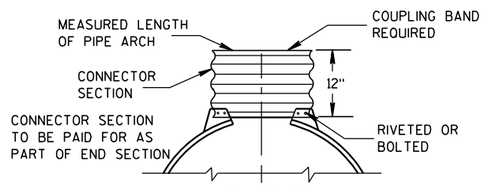
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



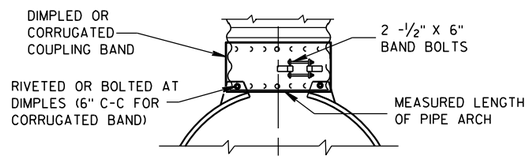
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

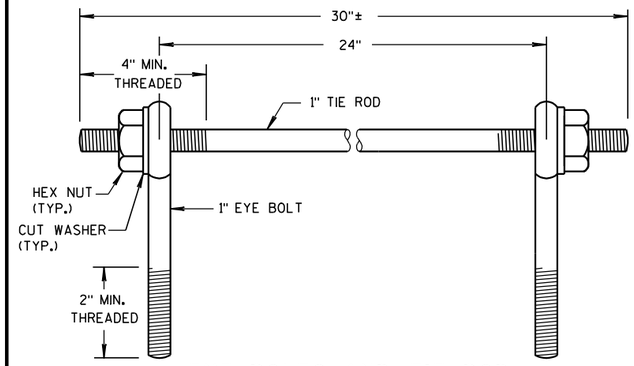
FHWA

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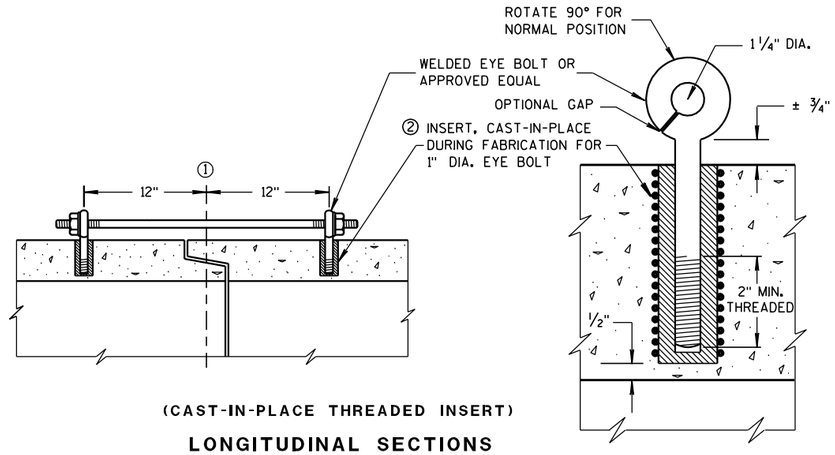
S.D.D. 8 F 2-1

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S.D.D. 8 F 2-1



EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

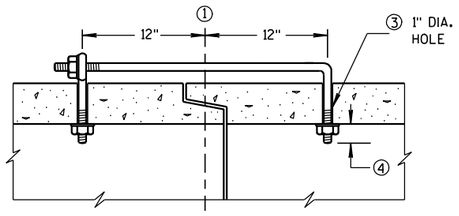
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

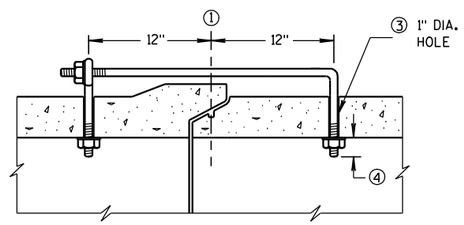
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

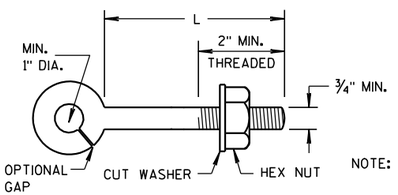


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

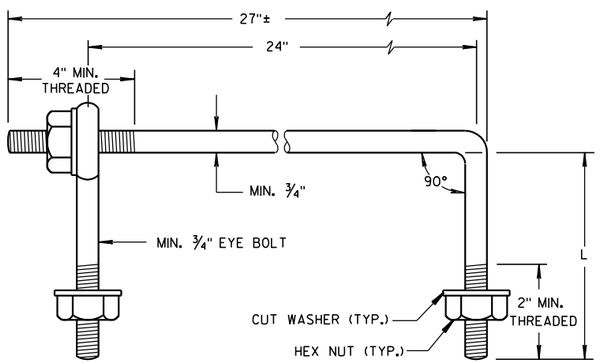
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

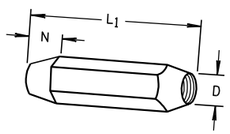
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

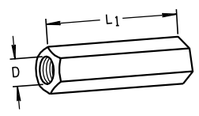
ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

DIMENSIONS SHOWN ARE IN INCHES



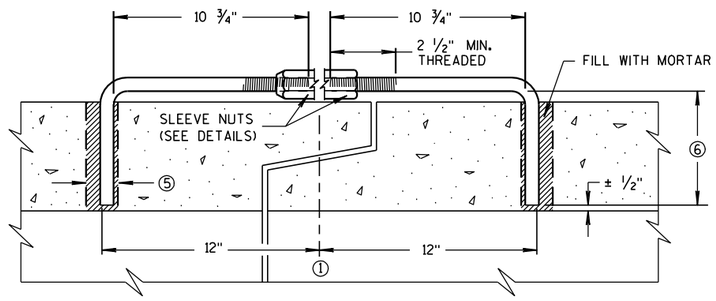
TAPERED



PLAIN

RIGHT AND LEFT THREADS

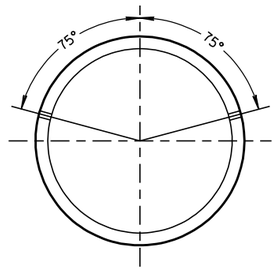
SLEEVE NUTS



LONGITUDINAL SECTION

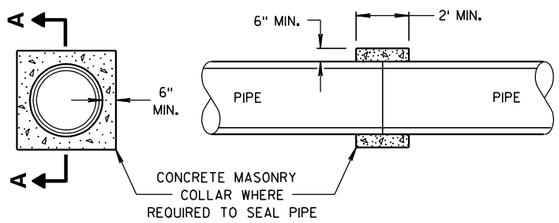
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

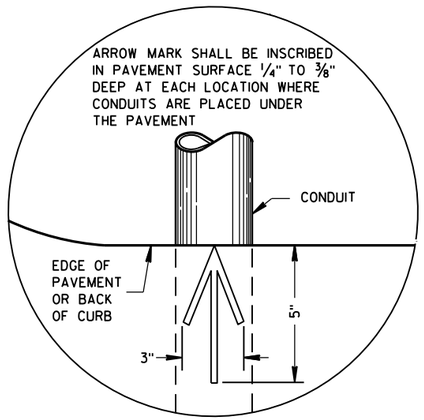
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
588
FHWA

6

S.D.D. 8 F 4-7

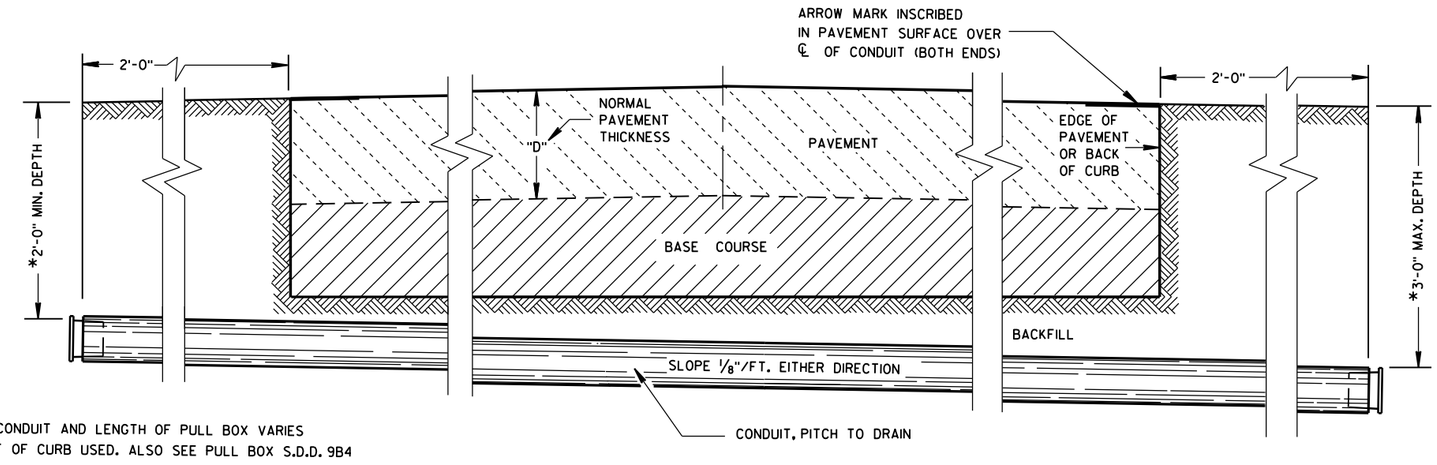
6

S.D.D. 8 F 4-7



PLAN VIEW

ARROW MARK



*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

SIDE ELEVATION

DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

METALLIC (STANDARD SPECIFICATION 652.2.2) OR NONMETALLIC (STANDARD SPECIFICATION 652.2.3) CONDUIT SHALL BE FURNISHED AND PLACED AS SHOWN.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.

ALL METALLIC CONDUIT RACEWAY ENDS SHALL BE REAMED AND THREADED.

ALL METALLIC CONDUIT IN WHICH WIRE OR CABLE IS TO BE INSTALLED SHALL BE BUSHED WITH APPROVED THREADED BUSHINGS BEFORE INSTALLATION OF THE WIRE OR CABLE.

ALL METALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT TO BE INSTALLED SHALL BE CAPPED WITH THREADED PROTECTIVE CAPS, AS APPROVED BY THE ENGINEER.

ALL NONMETALLIC CONDUIT SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER INSTALLATION AND SHALL REMAIN CAPPED OR PLUGGED UNTIL WIRE/CABLES ARE INSTALLED.

NONMETALLIC CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BENDING OF PVC ELECTRICAL CONDUIT SHALL BE ACCOMPLISHED BY USING A BLANKET OR EMERSION TYPE TANK DESIGNED FOR THE PURPOSE OF BENDING PVC ELECTRICAL CONDUIT.

ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON NONMETALLIC CONDUIT. (SEE NEC 347.5)

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY U.L. LISTED ADAPTER FITTINGS SHALL BE USED.

PRIOR TO CONDUIT ACCEPTANCE, CONDUIT CAPS OR PLUGS SHALL BE REMOVED, AND THE CAPS, PLUGS AND CONDUIT ENDS SHALL BE THOROUGHLY CLEANED AND THEN THE CAPS OR PLUGS REINSTALLED TO ENSURE THAT THE CAPS OR PLUGS CAN BE EASILY REMOVED IN THE FUTURE.

ALL CONDUIT BEING FURNISHED AND INSTALLED SHALL HAVE THE U.L. LABEL FIRMLY ATTACHED.

CONDUIT RUNS SHALL BE THE SAME SIZE OF CONDUIT FROM ONE END TO THE OTHER (FROM PULL BOX TO PULL BOX-OR-JUNCTION BOX TO JUNCTION BOX-OR-BASE TO BASE, ETC.).

TRACER WIRE SHALL BE INSTALLED AS STATED IN THE STANDARD SPECIFICATION, ITEM 652.3.1.1.

ALL CONDUIT RUNS SHALL BE STRAIGHT (WITHOUT BENDS) FROM PULL BOX TO PULL BOX, PULL BOX TO BASE AND BASE TO BASE AS SHOWN ON THE PLANS.

CONDUIT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March, 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 589
FHWA

6

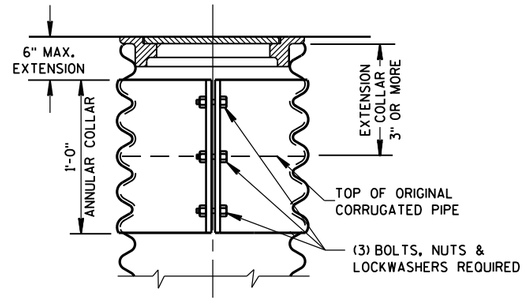
S.D.D. 9 B 2-10

TABLE OF NOMINAL DIMENSIONS AND WEIGHTS

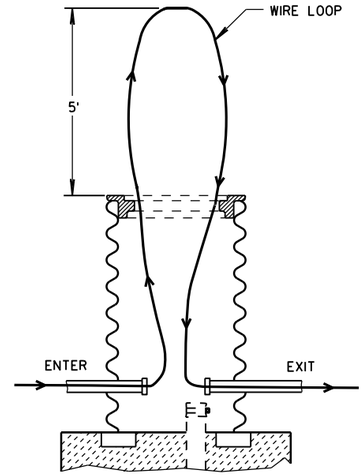
DIMENSION IN INCHES		CORRUGATED STEEL PIPE								
PIPE DIAMETER (INSIDE)	A	12	12	12	18	18	18	24	24	24
PIPE LENGTH **	B	24	30	36	24	30	36	36	42	48
WALL THICKNESS	C	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064	0.064
COVER	D	10 1/4	10 1/4	10 1/4	16 1/4	16 1/4	16 1/4	22 1/4	22 1/4	22 1/4
FRAME	E	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2	26 1/2	26 1/2	26 1/2
FRAME	F	8 1/2	8 1/2	8 1/2	14 1/2	14 1/2	14 1/2	20 1/2	20 1/2	20 1/2
FRAME	G	11 1/2	11 1/2	11 1/2	17 1/2	17 1/2	17 1/2	23 1/2	23 1/2	23 1/2
WEIGHT IN POUNDS *										
FRAME AND COVER		60	60	60	110	110	110	155	155	155

* THE ACTUAL WEIGHT OF THE MANHOLE FRAME AND COVER MAY VARY WITHIN 5 PERCENT PLUS OR MINUS OF THE WEIGHTS SHOWN.

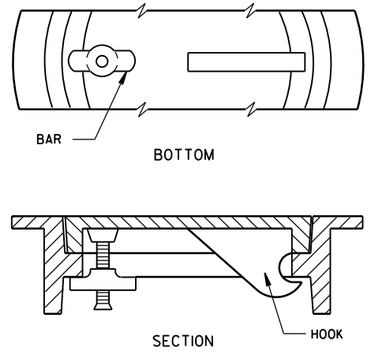
** NORMALLY USED LENGTHS. THE PROJECT ENGINEER SHALL DETERMINE IF PIPE LENGTHS, OTHER THAN THOSE SPECIFIED, SHALL BE USED, TO A MAXIMUM OF 48" (CONTINUOUS LENGTH, NON-SPLICED). THE ADDITIONAL LENGTH SHALL BE INCIDENTAL TO THE PULL BOX BID PRICE.



CORRUGATED PIPE EXTENDER

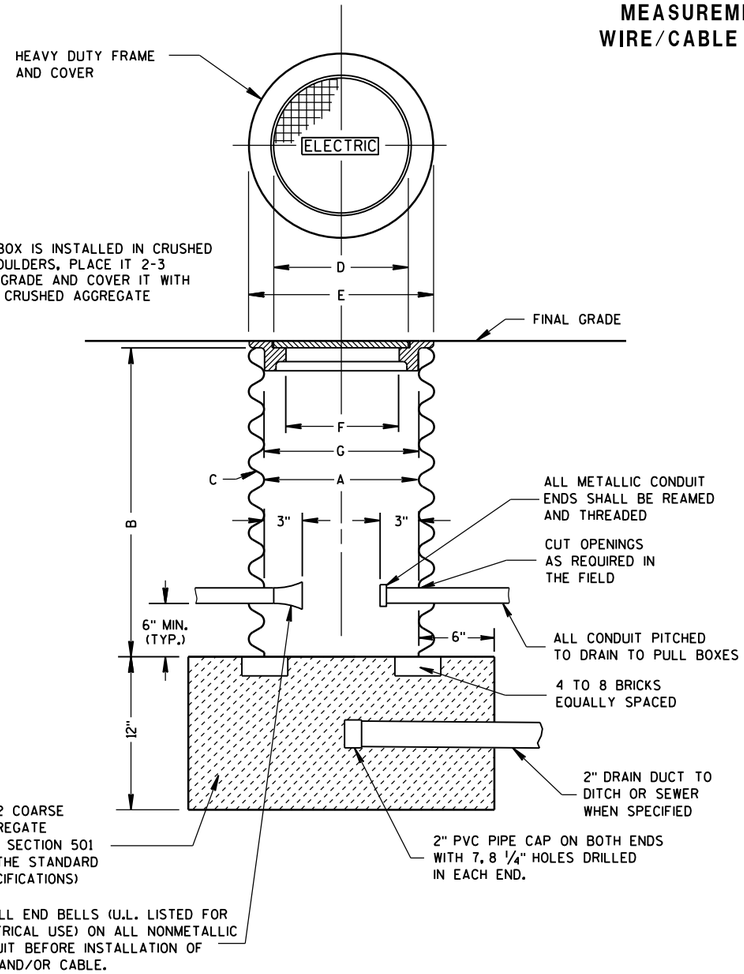


MEASUREMENT DETAIL FOR WIRE/CABLE IN THE PULL BOX



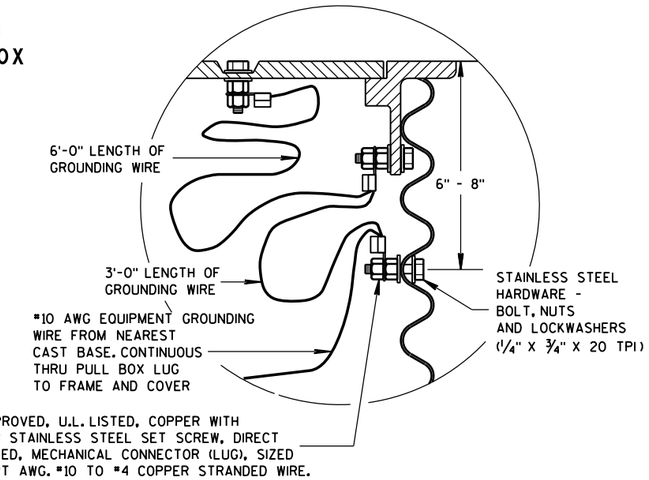
ALTERNATE COVER (LOCKING)

TIGHTENING BAR TYPE



WHEN A PULL BOX IS INSTALLED IN CRUSHED AGGREGATE SHOULDERS, PLACE IT 2-3 INCHES BELOW GRADE AND COVER IT WITH 2-3 INCHES OF CRUSHED AGGREGATE

PULL BOX



EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL FRAMES AND COVERS SHALL BE HEAVY DUTY TYPE, SUITABLE FOR VEHICULAR TRAFFIC LOADS.

PULL BOXES LOCATED IN THE ROADWAYS SHALL HAVE LOCKING COVERS.

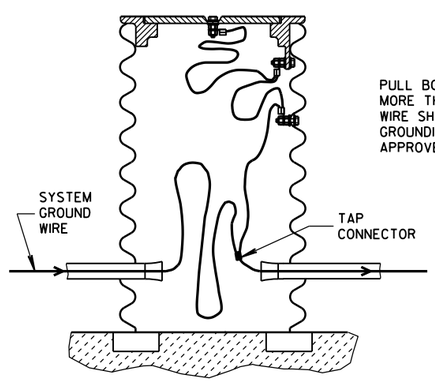
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

THE CONTRACTOR SHALL NOT INSTALL WIRE IN ANY PULL BOX UNTIL ITS INSTALLATION HAS BEEN INSPECTED AND ACCEPTED BY THE ENGINEER.

GROUNDING LUGS (MECHANICAL CONNECTORS) SHALL BE U.L. LISTED AND APPROVED FOR USE WITH COPPER WIRE.

ALL METALLIC CONDUIT IN WHICH WIRE AND/OR CABLE IS TO BE INSTALLED, SHALL BE BUSHED BEFORE INSTALLATION OF THE WIRE AND/OR CABLE.

WHEN PULL BOXES ARE INSTALLED FOR FUTURE USE, DO NOT INSTALL THE EQUIPMENT GROUNDING LUG. THE EQUIPMENT GROUNDING LUG, THE EQUIPMENT GROUNDING ELECTRODE AND THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE REQUIRED AND INSTALLED UNDER A FUTURE WIRING CONTRACT.



PULL BOX TO NEAREST BASE DISTANCE MORE THAN 20 FEET. PULL BOX GROUND WIRE SHALL CONNECT AT SYSTEM GROUNDING WIRE. USE DEPARTMENT APPROVED TAP CONNECTOR.

EQUIPMENT GROUNDING LUG AND LOCATION IN STEEL PULL BOXES

PULL BOX

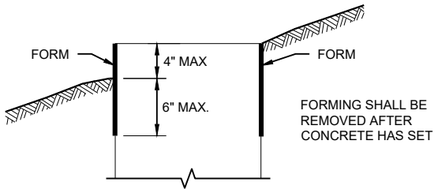
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 590
FHWA

6

S.D.D. 9 B 4-11

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	CONCRETE BASE TYPE		
	1	2	5 & 6
APPROX. CUBIC YARDS OF CONCRETE	0.40	0.57	0.40
LBS. OF HOOP BAR STEEL	NONE	23	16
LBS. OF VERTICAL BAR STEEL	NONE	60	18

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWINGSHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

BASES SHALL BE EXCAVATED BY USE OF A CIRCULAR AUGER.

TOP SURFACES OF CONCRETE BASES SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

CONDUIT SIZES AND LOCATIONS SHALL BE SHOWN ON THE PLANS

THE FINAL OR TERMINATING CONCRETE BASE IN A CONDUIT RUN SHALL HAVE A 6" EXIT STUB INSTALLED FOR FUTURE CABLING USE. THE EXIT STUB SHALL BE SIZED AS USED THROUGHOUT THE CONDUIT RUN AS SHOWN A THE ENTRANCE OF THE BASE.

ENDS OF CONDUIT INSTALLED BELOW GRADE FRO FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASES SHALL BE 1 INCH. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NON-METALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL BENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION.

WHEN REQUIRED TO CONNECT NON-METALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE DIRT OR FILL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUND THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

A NO. 4 AWG STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD) FOR TYPE 2, TYPE 5 AND TYPE 6 BASES.

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER ALL BASE TYPES THROUGH A 1 INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4 FOOT COIL OF WIRE ABOVE THE CONCRETE BASE. THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

ANCHOR RODS SHALL BE THREADED 12" IN LENGTH ON EACH END OF THE ROD. ANCHOR RODS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 654.2.1 OF THE STANDARD SPECIFICATIONS.

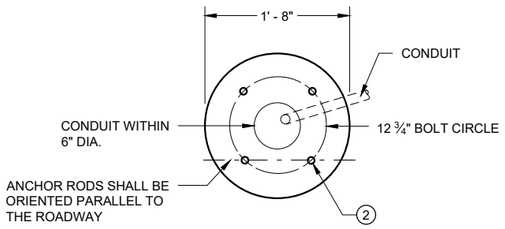
WASHERS AND LOCK WASHERS ARE REQUIRED ON ALL ANCHOR RODS.

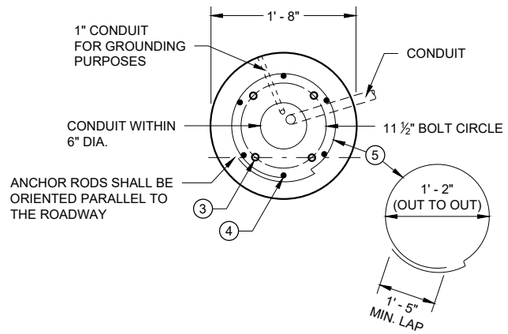
WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4 INCH"L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND SHALL NOT BE THREADED.

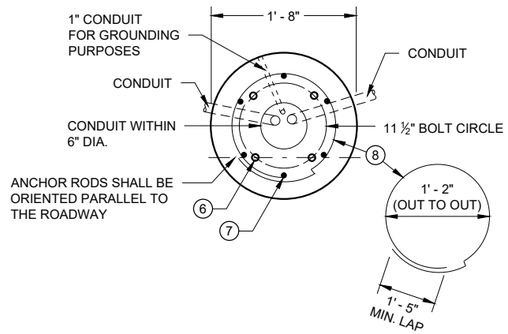
ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).







(1) THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18 INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36 INCHES EXCEPT WITH WRITTEN APPROVAL OF THE ENGINEER.

(2) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(3) (4) 1" DIA. X 5' - 0" ANCHOR RODS.

(4) (6) NO. 6 X 6' - 8" BAR STEEL REINFORCEMENT.

(5) (7) NO. 4 X 5' - 1" BAR STEEL REINFORCEMENT @ 1' - 0" C - C.

(6) (4) 1" DIA. X 3' - 6" ANCHOR RODS.

(7) (6) NO. 4 X 4' - 8" BAR STEEL REINFORCEMENT.

(8) (5) NO. 4 X 5' - 1" BAR STELL REINFORCEMENT @ 1' - 0" C -C.

(9) EXOTHERMIC CONNECTION TO EUIPMENT GROUNDING CONDUCTOR

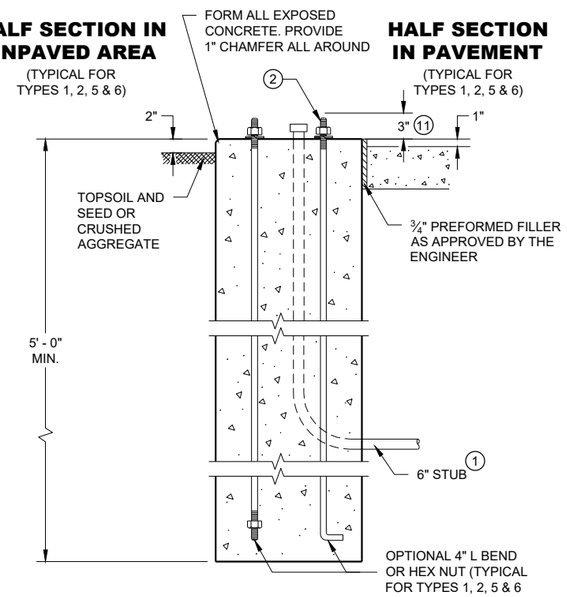
(10) ⅝" DIA. X 8' -0" COPPERCLAD EQUIPMENT GROUNDING ELECTRODE REQUIRED

(11) ANY ANCHOR ROD PROJECTION SHORTER THAN 2 ¾" OR LONGER THAN 3 ¼" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.

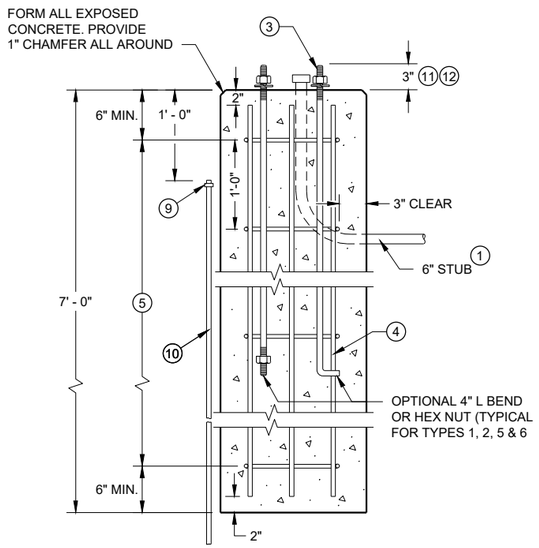
(12) FOR NON - BREAKAWAY INSTALLATIONS, 4 ½" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

HALF SECTION IN UNPAVED AREA
(TYPICAL FOR TYPES 1, 2, 5 & 6)

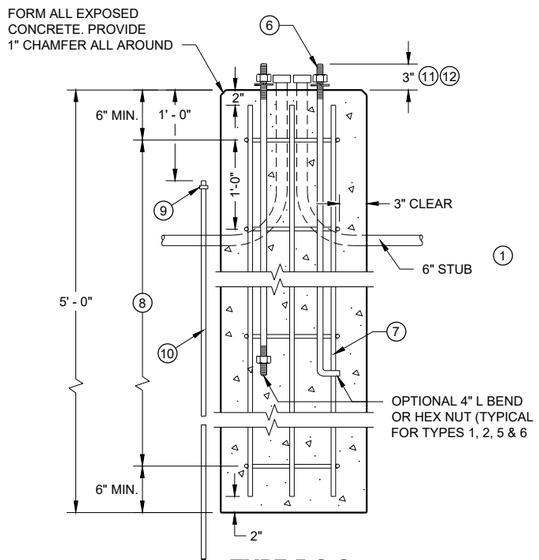
HALF SECTION IN PAVEMENT
(TYPICAL FOR TYPES 1, 2, 5 & 6)



TYPE 1



TYPE 2



TYPE 5 & 6

CONCRETE BASES

CONCRETE BASES TYPES 1, 2, 5, & 6

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 591

FHWA

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

FOUR (4) BOLTS SHALL BE FURNISHED WITH EACH TRANSFORMER BASE. BOLTS SHALL BE 1" DIAMETER, 4" IN LENGTH, WITH WASHERS, LOCK WASHERS AND NUTS. BOLTS, NUTS AND WASHERS SHALL BE MANUFACTURED IN ACCORDANCE WITH SECTION 641.2.2 OF THE STANDARD SPECIFICATIONS.

LEVELING SHIMS, IF NEEDED, SHALL BE DESIGNED FOR THE PURPOSE AND USED UNDER CAST BASES WHEN PLUMBING POLES OR STANDARDS DURING INSTALLATION. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE.

SHIM LENGTH SHALL BE LONG ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.

DOUBLE NUTTING IS NOT ACCEPTABLE FOR LEVELING OR MOUNTING PURPOSES.

A NEMA APPROVED, U.L. LISTED, COPPER WITH BRASS OR STAINLESS STEEL SET SCREW, DIRECT BURY RATED, MECHANICAL CONNECTOR (LUG), SIZED TO ACCEPT AWG. #10 TO #4 COPPER STRANDED WIRE SHALL BE FURNISHED AND INSTALLED IN THE PEDESTAL AND TRANSFORMER BASES.

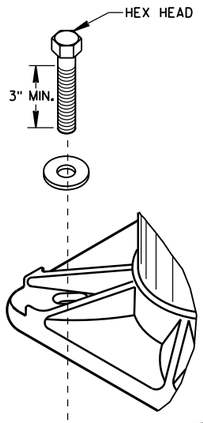
THE MECHANICAL CONNECTOR SHALL BE INSTALLED USING A 1/4" - 20 (TPI) STAINLESS STEEL HEX HEAD BOLT OF SUFFICIENT LENGTH TO FIRMLY ATTACH THE LUG TO THE BASE.

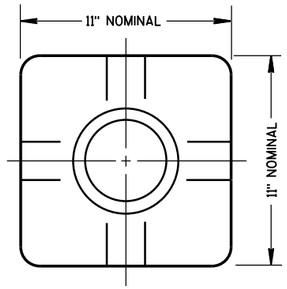
SHOULD THE MANNER OF ATTACHMENT OF THE LUG REQUIRE WASHERS, HEX NUTS, LOCK WASHER - THEY SHALL BE STAINLESS STEEL AS IS THE BOLT. THE MANNER OF ATTACHMENT SHALL NOT BLOCK ACCESSIBILITY TO WIRE PLACEMENT IN THE CONNECTOR.

PEDESTAL BASE COLLAR THREADING SHALL BE TAPERED AND IN ACCORDANCE WITH NATIONAL PIPE THREADING DIMENSIONS.

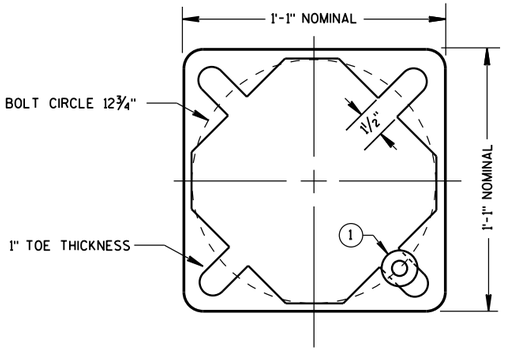
BASE COLLAR THREADING SHALL EXTEND INTO THE BASE COLLAR WITH SUFFICIENT DEPTH TO ACCEPT THE INSTALLATION OF TRAFFIC SIGNAL STANDARDS TO A DEPTH OF 1 1/2", THEN TIGHTENING TO A POINT OF BEING IMMOVABLE.

THE ACCESS DOOR SHALL BE OF THE SAME MATERIAL AS THE BASE.

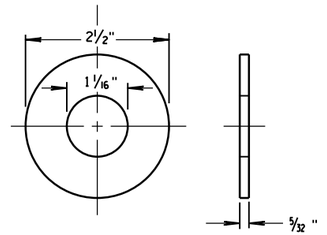




TOP VIEW
(PEDESTAL BASE)

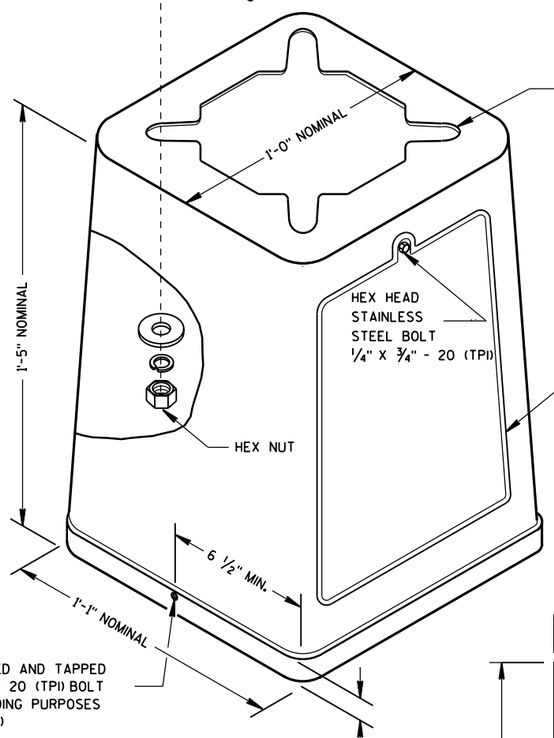


BOTTOM VIEW
(PEDESTAL BASE)

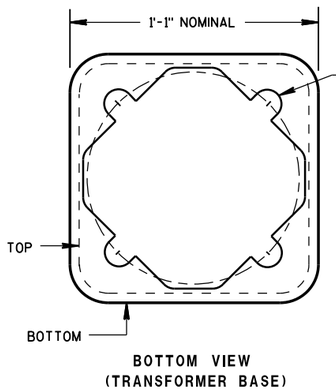


ZINC COATED STEEL WASHER
TO BE PROVIDED BY THE CONTRACTOR

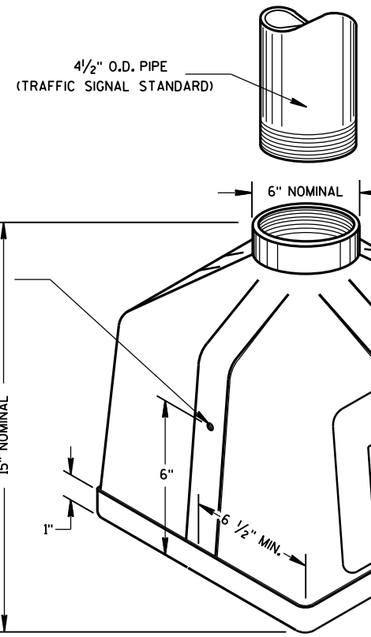
PEDESTAL BASE WASHER (1)



ISOMETRIC VIEW

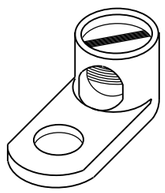


BOTTOM VIEW
(TRANSFORMER BASE)



ISOMETRIC VIEW

PEDESTAL BASE

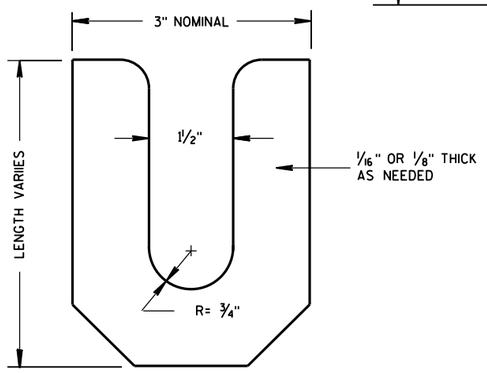


TYPICAL MECHANICAL CONNECTOR LUG

TO BE FURNISHED WITH EACH BASE

TRANSFORMER BASE

INTENDED FOR USE WITH TYPE 2, 3, 4, 5 & 6 POLES



LEVELING SHIM

TRANSFORMER/PEDESTAL BASES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

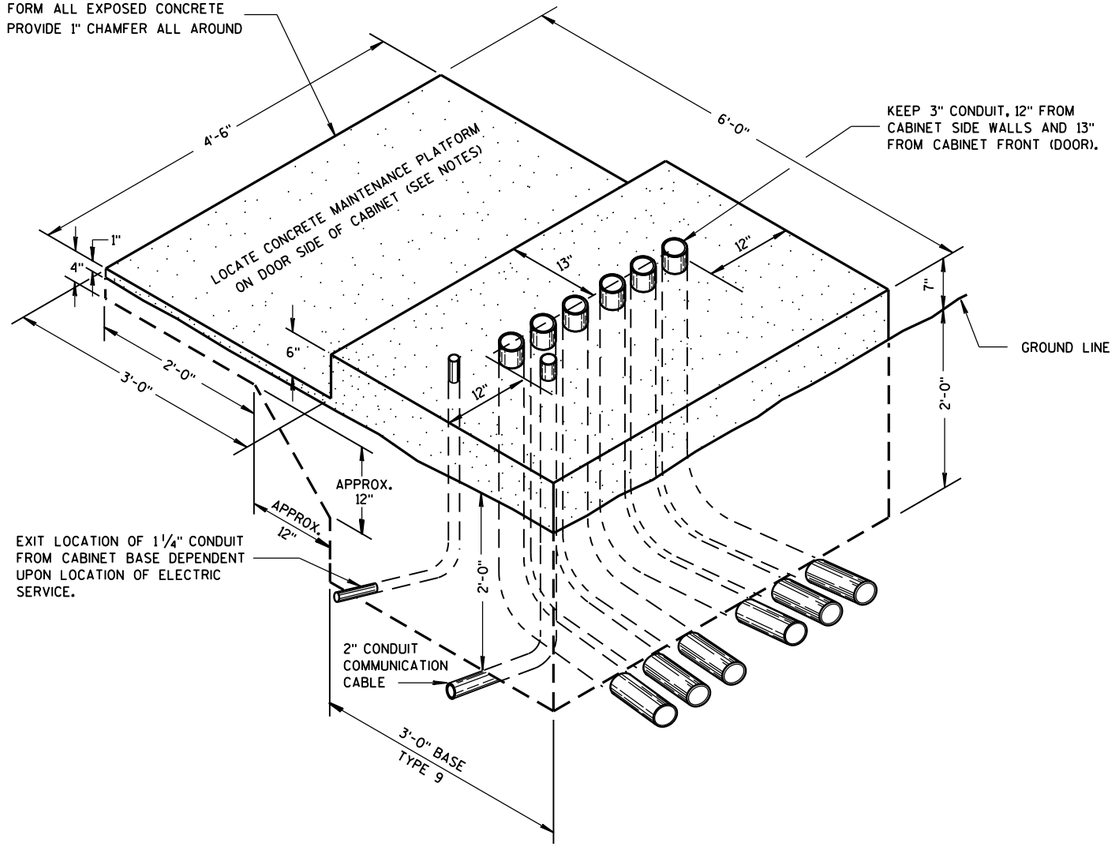
592

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S.D.D. 9 C 3-4

6

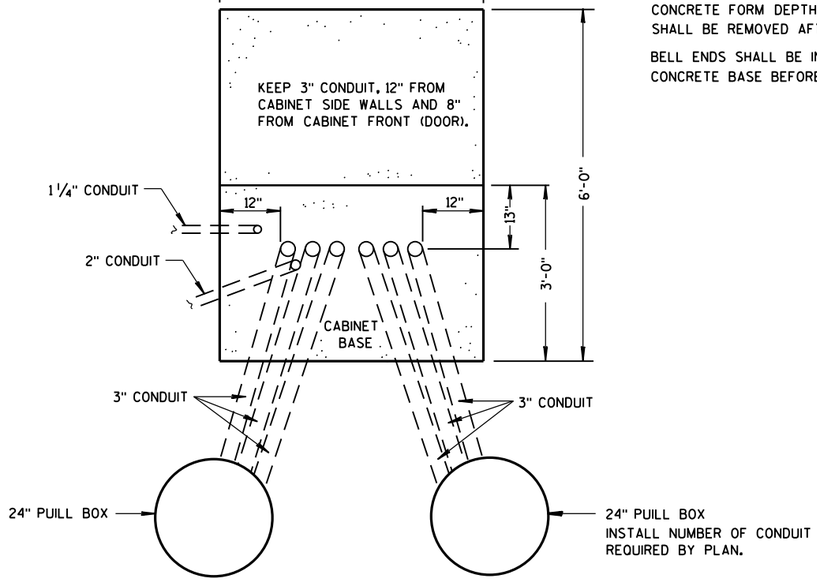
S.D.D. 9 C 3-4



ISOMETRIC VIEW

TYPE 9, SPECIAL

(C.Y. CONCRETE = APPROX. 1.56)



PLAN VIEW

CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

INSTALL FOUR ½ INCH MINIMUM DIAMETER X 4 INCH MINIMUM LENGTH STAINLESS STEEL APPROVED CONCRETE MASONRY ANCHORS WITH A PULLOUT STRENGTH OF 9,000 LBS. TO ANCHOR THE CABINET TO TYPE 6, 7, 8, AND 9 BASES. THE ANCHOR STUDS SHALL BE LOCATED AS DIRECTED BY THE ENGINEER TO PROPERLY ANCHOR THE CONTROL CABINET TO THE BASE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTER FITTINGS, U.L. LISTED FOR ELECTRICAL USE, SHALL BE USED.

CONDUIT HEIGHT ABOVE THE CONCRETE BASE SHALL BE 1 INCH.

DEPTH OF CONDUIT INSTALLED BELOW THE TRAVELED WAY SHALL BE 24 INCHES MINIMUM AND 36 INCHES MAXIMUM.

DEPTH OF CONDUIT INSTALLED THAT IS NOT BELOW THE TRAVELED WAY SHALL BE 18 INCHES MINIMUM AND 36 INCHES MAXIMUM.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACE SHALL BE TROWEL FINISHED SMOOTH AND LEVEL.

MAINTENANCE PLATFORM SHALL BE FLOAT OR BROOM FINISHED AND BE LEVEL.

MAINTENANCE PLATFORMS ARE NOT REQUIRED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED.

CAP ALL BELOW GRADE METALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

PLUG ALL BELOW GRADE NONMETALLIC CONDUIT ENDS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONDUIT EXITING THE CONCRETE BASE (SIX THREE INCH) SHALL TERMINATE IN PULL BOXES AS SHOWN ON THE PLANS.

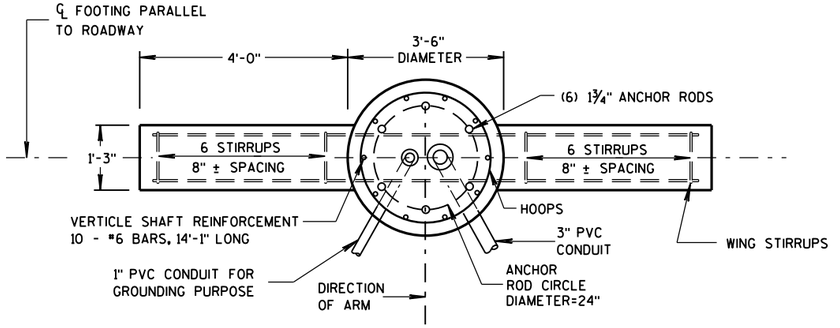
CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MAXIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF THE CONCRETE BASE BEFORE INSTALLATION OF CABLE OR WIRE.

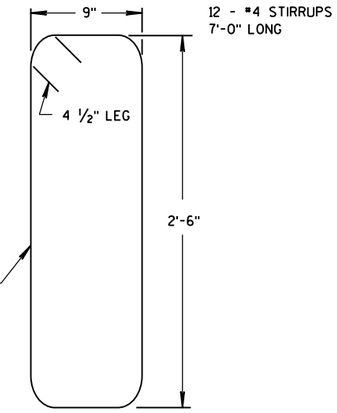
CONCRETE CONTROL CABINET BASE, TYPE 9, SPECIAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

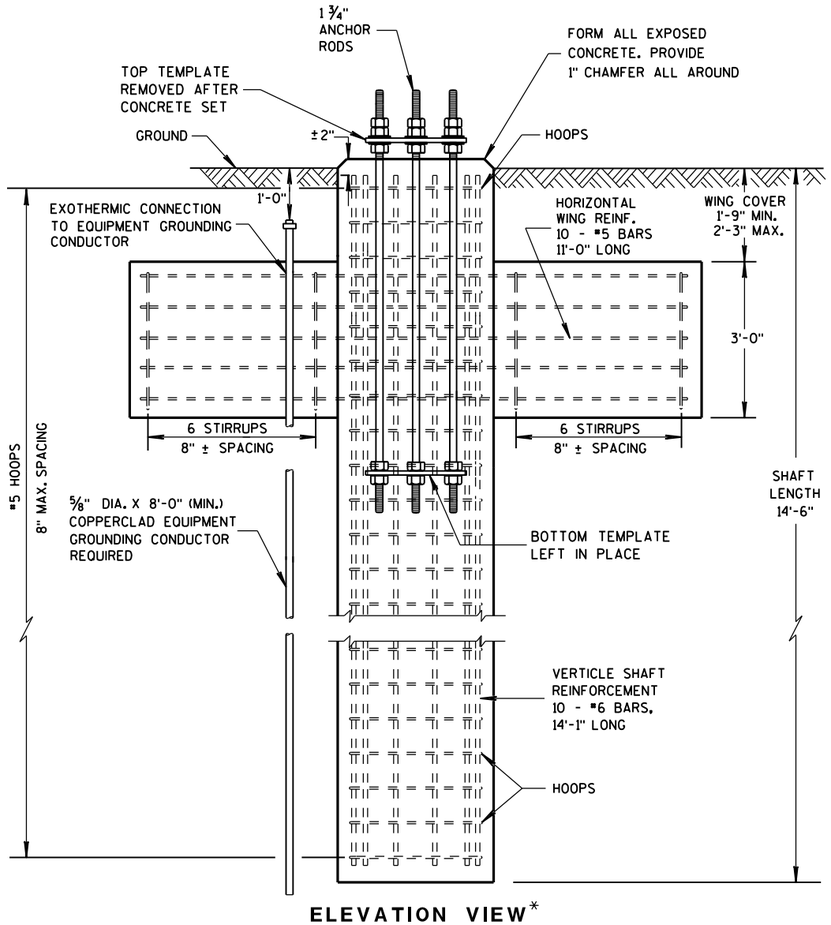
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PLAN VIEW

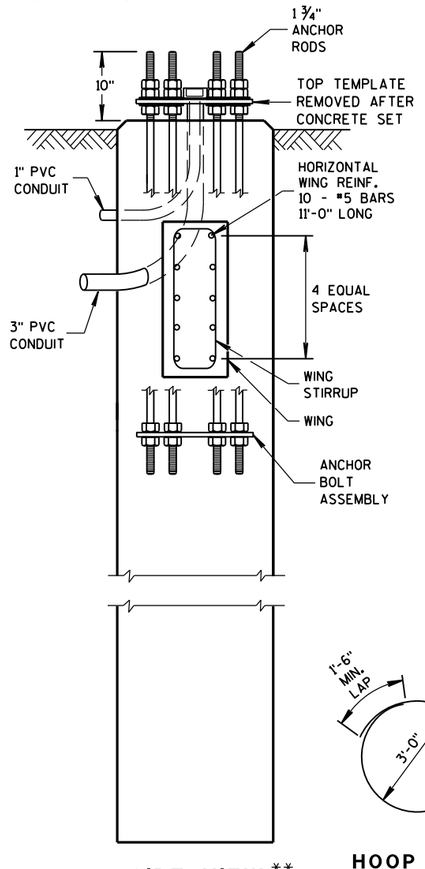


WING STIRRUP



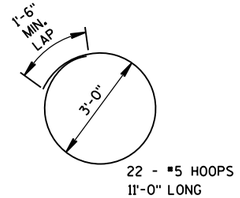
ELEVATION VIEW*

* CONDUITS ARE NOT SHOWN ON THIS VIEW FOR CLARITY



SIDE VIEW**

** HOOPS AND VERTICAL SHAFT REINFORCEMENT NOT SHOWN ON THIS VIEW FOR CLARITY



HOOP DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ORIENT ANCHOR RODS IN FOOTING AND PROVIDE ANCHOR ROD PROJECTION ABOVE TOP OF CONCRETE FOOTING BASE PER THIS SHEET.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF THE UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BASES (SHAFT), BELOW THE WING, SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACKFILLING AROUNG THE BASE. BACKFILL SHALL BE TAMPED TIGHT AGAINST THE BARE CONCRETE BASE IN LAYERS OF 1 FOOT OR LESS.

TOP SURFACE OF THE CONCRETE BASE SHALL BE TROWEL FINISHED AND LEVEL.

CONDUIT SIZE AND LOCATIONS SHALL BE AS SHOWN ON THE PLANS.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X THE DIAMETER.

CONDUIT HEIGHT ABOVE CONCRETE BASE SHALL BE 4½" INCHES. ALL METALLIC CONDUIT ENDS SHALL BE REAMED AND THREADED. NONMETALLIC CONDUIT SHALL HAVE BELL ENDS INSTALLED. ALL CONDUIT SHALL SLOPE TO PULL BOX.

ALL CONDUIT ENDS AT THE TOP OF THE BASES SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

BELL ENDS SHALL BE INSTALLED ON ALL PVC CONDUIT EXPOSED AT THE TOP OF CONCRETE BASES BEFORE INSTALLATION OF CABLE OR WIRE.

WHEN REQUIRED TO CONNECT NONMETALLIC CONDUIT TO METALLIC CONDUIT, ONLY ADAPTOR FITTINGS, UL LISTED FOR ELECTRICAL USE, SHALL BE USED.

A NO. 4 AWG, STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE EXOTHERMICALLY WELDED TO THE EQUIPMENT GROUNDING ELECTRODE (GROUND ROD).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE FURNISHED AND INSTALLED TO ENTER THE BASE THROUGH A 1-INCH CONDUIT INSTALLED FOR GROUNDING PURPOSES, LEAVING A 4-FOOT COIL OF WIRE ABOVE THE CONCRETE BASE, THE EQUIPMENT GROUNDING CONDUCTOR SHALL BE NEATLY COILED AND THE COILS TIED TOGETHER.

BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS.

THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE AND INSTALLED BELOW THE TRAVEL WAY SHALL BE 24-INCHES. THE MINIMUM DEPTH OF CONDUIT EXITING THE CONCRETE BASE THAT IS NOT INSTALLED BELOW THE TRAVELED WAY SHALL BE 18-INCHES. THE MAXIMUM DEPTH OF ALL CONDUIT SHALL BE 36-INCHES, (GREATER THAN 36-INCHES IF INSTALLED IN BREAKER-RUN), EXCEPT WITH THE WRITTEN APPROVAL OF THE ENGINEER.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR RODS, ASTM F1554 GRADE 55 (IN ACCORDANCE WITH SECTION 641.2.2.3 OF THE STANDARD SPECIFICATIONS	fy=55,000 p.s.i.
TEMPLATES, ASTM A709 GRADE 36	fy=36,000 p.s.i.

(FOR TYPE 12 & 13 & OVER HEIGHT (OH) POLES)

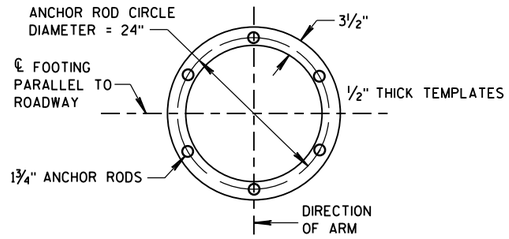
CONCRETE = 6.3 C.Y.
H.S. REINFORCEMENT = 635 LBS.

TO BE USED WHEN GROUND ELEVATION AT BASE EQUALS OR IS GREATER THAN HIGH POINT OF ROADWAY ELEVATION.
SEE S.D.D. 9C13-2 WHEN GROUND ELEVATION AT BASE IS LOWER THAN HIGH POINT OF ROADWAY ELEVATION.

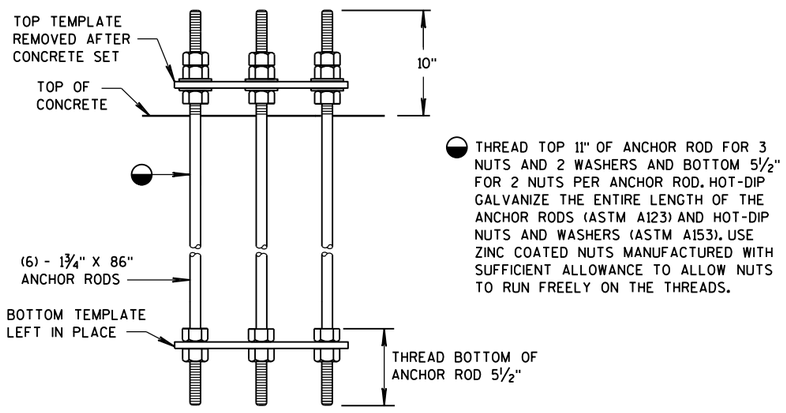
CONCRETE BASE TYPE 13

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6
S.D.D. 9 C 12-9a

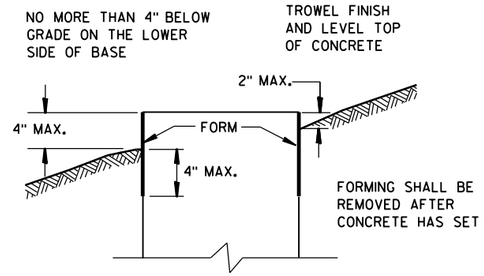


TOP AND BOTTOM TEMPLATES



ANCHOR BOLT ASSEMBLY DETAIL

CONCRETE BASE TYPE 13 ANCHOR ASSEMBLY



FORMING DETAIL

6

CONCRETE BASE TYPE 13

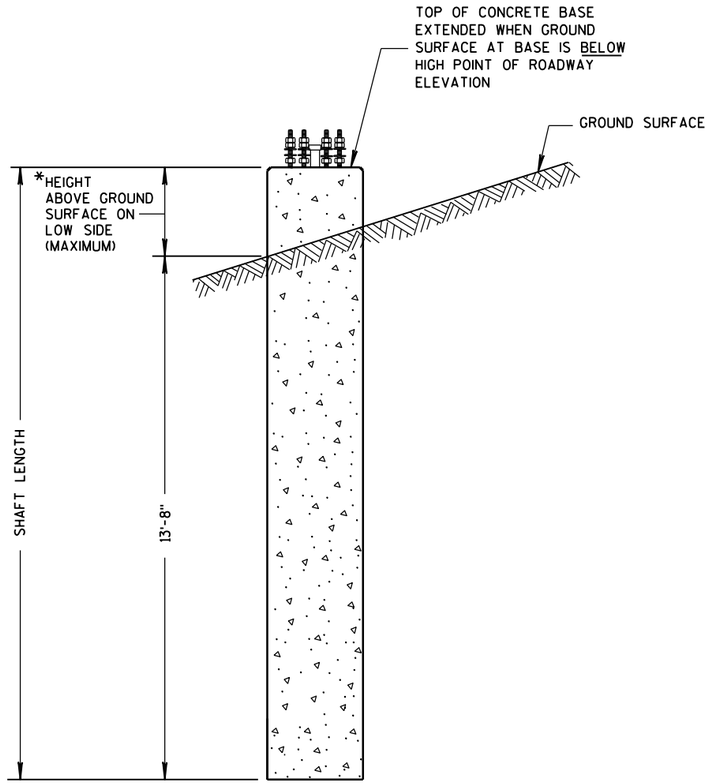
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2017 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

S.D.D. 9 C 12-9b

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 10 CONCRETE BASE

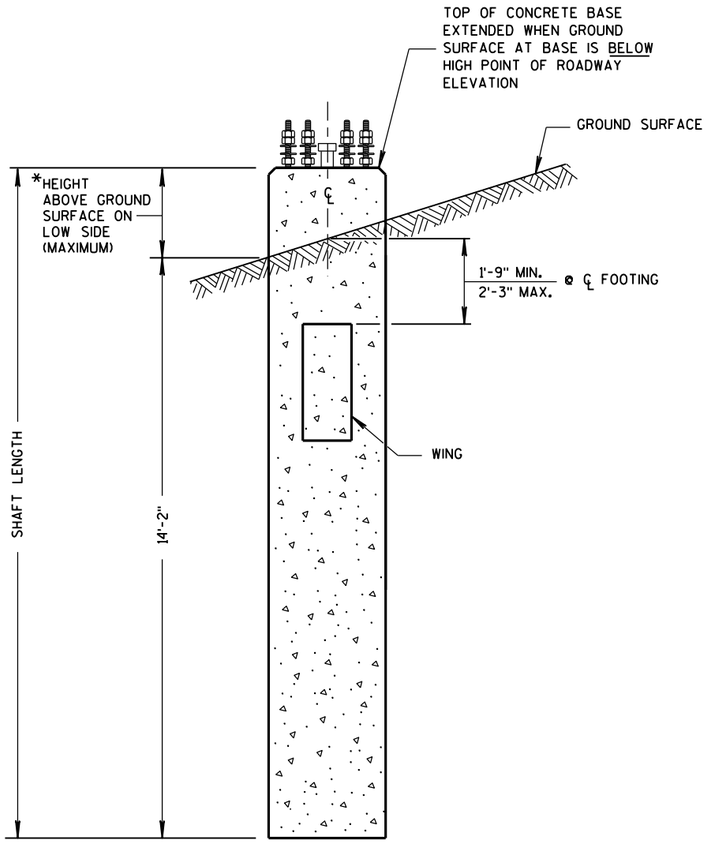
HEIGHT INCREASE REQUIRED	* HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAXIMUM)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #4 HOOPS	C.Y. OF CONCRETE	LBS. OF HOOP BAR STEEL	LBS. OF VERTICAL BAR STEEL
>0" TO 6"	10"	14'-6"	14'-1"	16	2.6	78	127
>6" TO 1'-0"	1'-4"	15'-0"	14'-7"	16	2.7	78	131
>1'-0" TO 1'-6"	1'-10"	15'-6"	15'-1"	17	2.8	83	136
>1'-6" TO 2'-0"	2'-4"	16'-0"	15'-7"	17	2.9	83	141



CONCRETE BASE TYPE 10 (EXTENDED)

REINFORCEMENT AND CONCRETE QUANTITIES
ADJUSTED FOR EXTENDED TYPE 13 CONCRETE BASE

HEIGHT INCREASE REQUIRED	* HEIGHT ABOVE GROUND SURFACE ON LOW SIDE (MAXIMUM)	SHAFT LENGTH	LENGTH OF #6 VERTICAL REINF.	NO. OF #4 HOOPS	C.Y. OF CONCRETE	LBS. OF H.S. BAR STEEL
>0" TO 6"	10"	15'-0"	14'-7"	16	6.5	447
>6" TO 1'-0"	1'-4"	15'-6"	15'-1"	16	6.6	454
>1'-0" TO 1'-6"	1'-10"	16'-0"	15'-7"	17	6.8	469
>1'-6" TO 2'-0"	2'-4"	16'-6"	16'-1"	17	7.0	476



CONCRETE BASE TYPE 13 (EXTENDED)

CONCRETE BASE
TYPE 10 & TYPE 13 EXTENSION

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

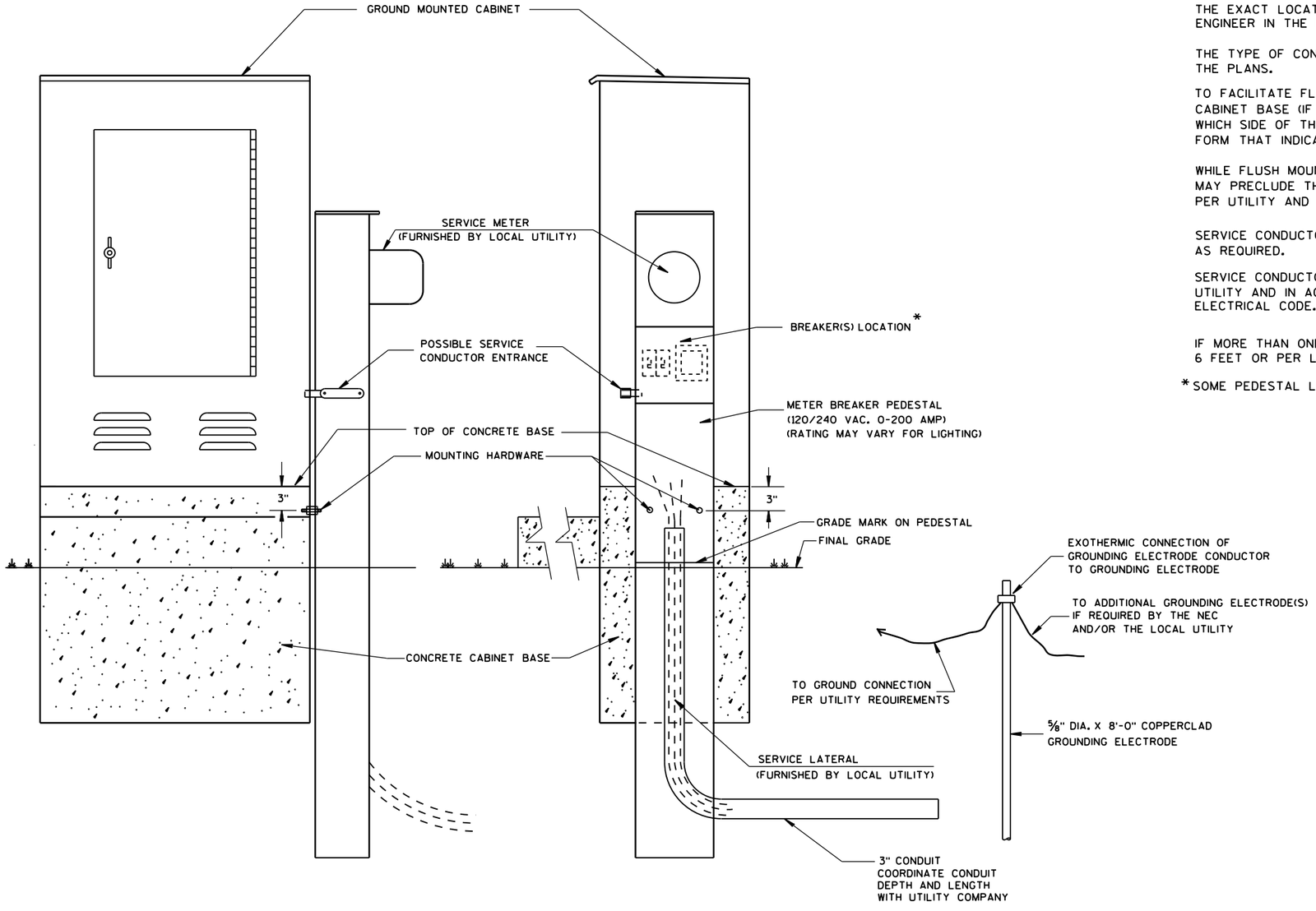
APPROVED
11-26-2013
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL
FHWA

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S.D.D. 9 C 13-2

6

S.D.D. 9 C 13-2



TYPICAL CABINET SERVICE INSTALLATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EXACT LOCATION OF THE METER BREAKER PEDESTAL SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE TYPE OF CONCRETE CABINET BASE TO BE INSTALLED SHALL BE AS CALLED FOR IN THE PLANS.

TO FACILITATE FLUSH MOUNTING OF THE METER BREAKER PEDESTAL AGAINST THE SIDE OF THE CABINET BASE (IF FLUSH MOUNTING POSSIBLE. CONFER WITH THE LOCAL UTILITY TO DETERMINE WHICH SIDE OF THE CONCRETE BASE THE ELECTRICAL SERVICE LATERAL WILL APPROACH. THEN FORM THAT INDICATED SIDE FOR FULL SIDE DEPTH.

WHILE FLUSH MOUNTING IS THE MOST DESIRABLE MOUNTING CONFIGURATION UTILITY REQUIREMENTS MAY PRECLUDE THIS OPTION. CONTRACTOR MUST PROVIDE UTILITY APPROVED PEDESTAL AND INSTALL PER UTILITY AND MANUFACTURERS REQUIREMENTS.

SERVICE CONDUCTOR ENTRANCES SHALL BE RIGID METALLIC CONDUIT, NIPPLES AND/OR CONDULETS AS REQUIRED.

SERVICE CONDUCTOR ENTRANCES SHALL BE SIZED AND LOCATED AS REQUIRED BY THE LOCAL UTILITY AND IN ACCORDANCE WITH APPROPRIATE ARTICLES OF THE LATEST ACCEPTED NATIONAL ELECTRICAL CODE.

IF MORE THAN ONE GROUNDING ELECTRODE IS REQUIRED, THE DISTANCE APART SHALL BE 6 FEET OR PER LOCAL UTILITY REGULATIONS.

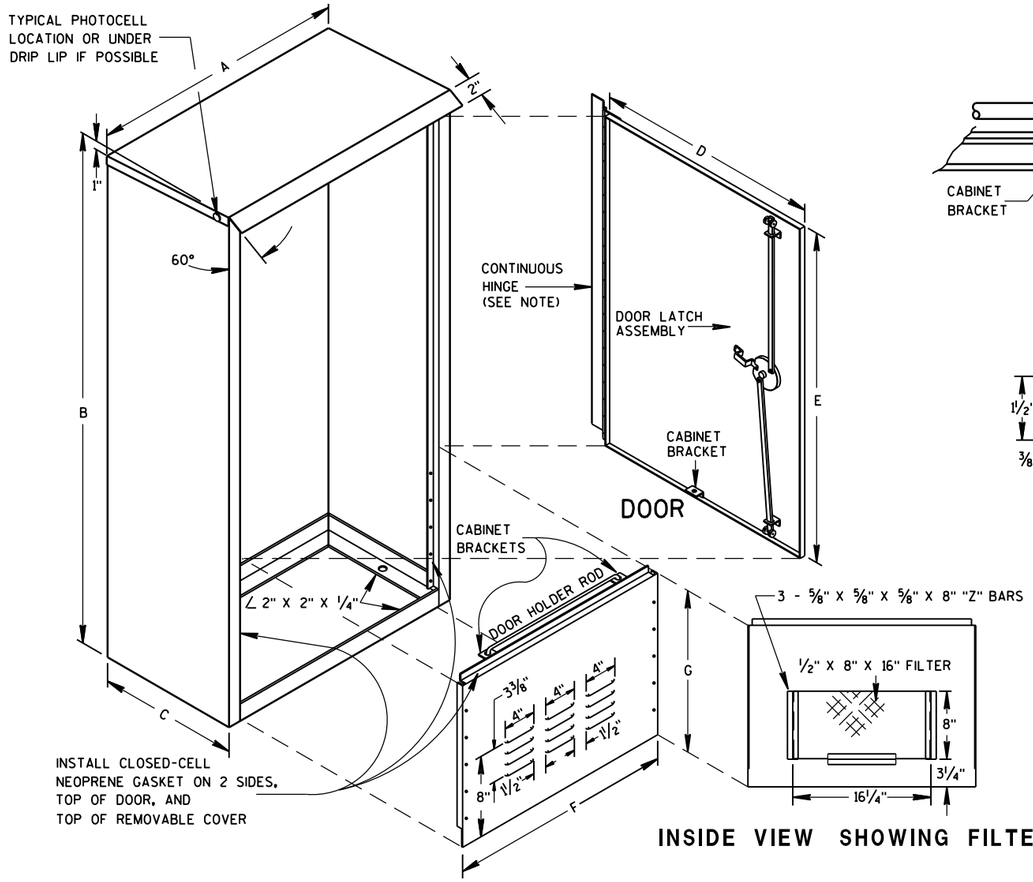
* SOME PEDESTAL LIGHTING PLANS SHOW MAIN LUGS ONLY.

CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)

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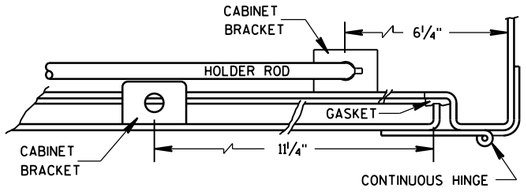
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Sept. 2014 — DATE
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S.D.D. 9 D 1-5

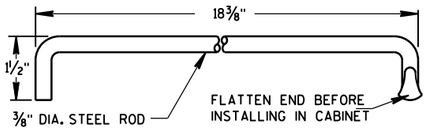


REMOVABLE COVER

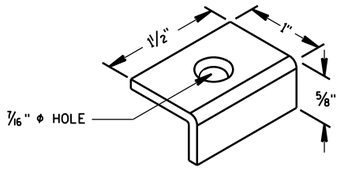
INSIDE VIEW SHOWING FILTER



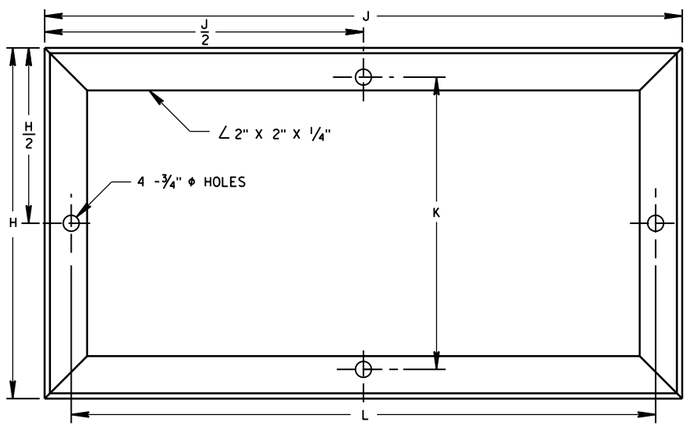
HINGE & DOOR HOLDER



HOLDER ROD



CABINET BRACKET



MOUNTING BASE

TABLE OF DIMENSIONS (INCHES)

MARK	CABINET TYPE		
	3060	3860	3866
A	30	38	38
B	60	60	66
C	16 1/2	16 1/2	24
D	26 1/2	34 3/4	33 3/4
E	38 3/4	38 3/4	38 3/4
F	26 1/2	34 3/4	33 3/4
G	19	19	25
H	16 1/2	16 1/2	24
H/2	8 1/4	8 1/4	12
J	30	38	38
J/2	15	19	19
K	13 3/4	13 3/4	21 1/4
L	27 1/2	35 1/2	35 1/2

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PRIME WITH PHOSPHATE TREATMENT AND PRIMER.

FINISH EXTERIOR SURFACES WITH RUSTOLEUM #906 SILVER GRAY OR APPROVED EQUAL.

FINISH INTERIOR WITH RUSTOLEUM #2766 HIGH GLOSS WHITE ENAMEL OR APPROVED EQUAL.

ALL SHEET METAL PARTS SHALL BE .125 INCH THICK ALUMINUM.

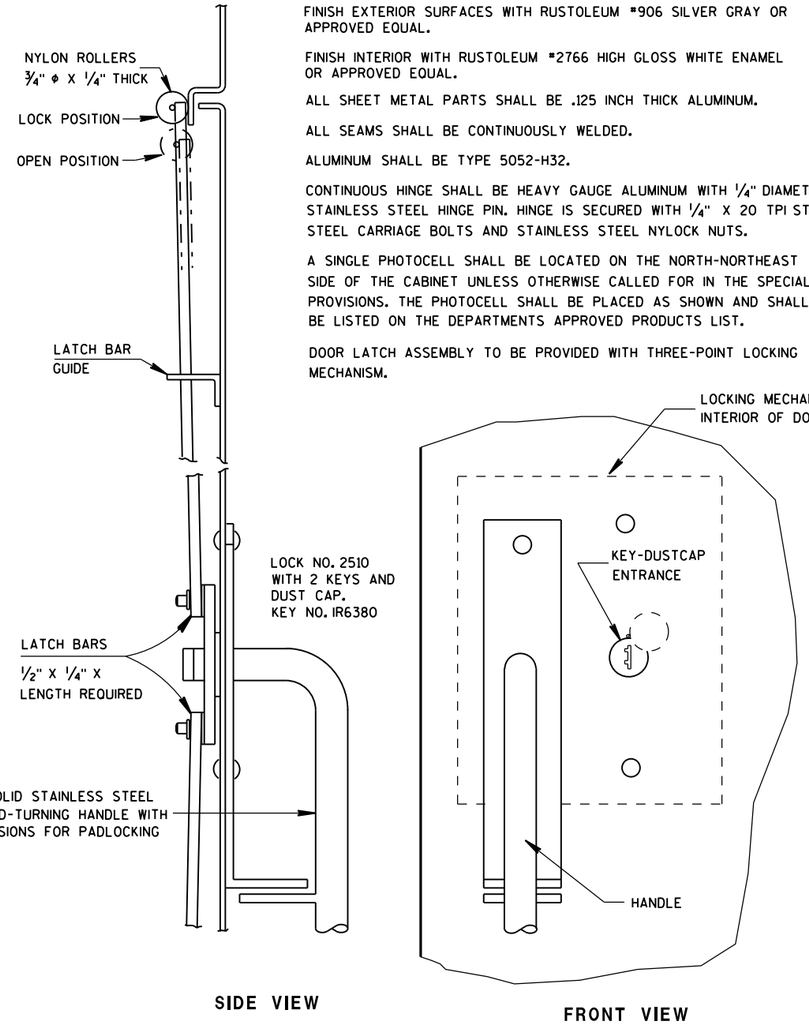
ALL SEAMS SHALL BE CONTINUOUSLY WELDED.

ALUMINUM SHALL BE TYPE 5052-H32.

CONTINUOUS HINGE SHALL BE HEAVY GAUGE ALUMINUM WITH 1/4" DIAMETER STAINLESS STEEL HINGE PIN. HINGE IS SECURED WITH 1/4" X 20 TPI STAINLESS STEEL CARRIAGE BOLTS AND STAINLESS STEEL NYLOCK NUTS.

A SINGLE PHOTOCELL SHALL BE LOCATED ON THE NORTH-NORTHEAST SIDE OF THE CABINET UNLESS OTHERWISE CALLED FOR IN THE SPECIAL PROVISIONS. THE PHOTOCELL SHALL BE PLACED AS SHOWN AND SHALL BE LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST.

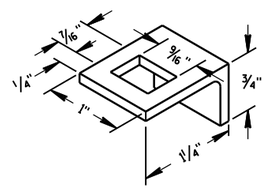
DOOR LATCH ASSEMBLY TO BE PROVIDED WITH THREE-POINT LOCKING MECHANISM.



SIDE VIEW

FRONT VIEW

LATCH ASSEMBLY



LATCH BAR GUIDE

SIGNAL CONTROL CABINET

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

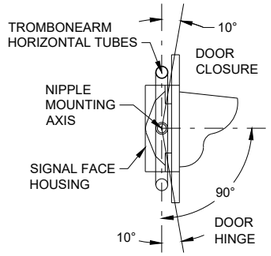
APPROVED
Sept. 2014
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL 598
FHWA

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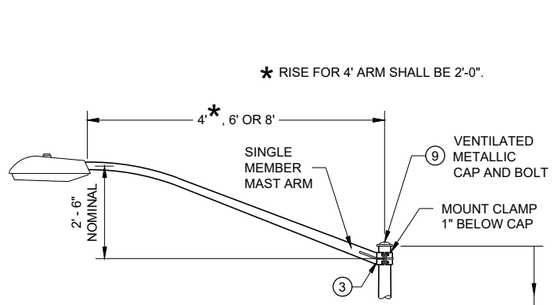
S.D.D. 9 D 2-3

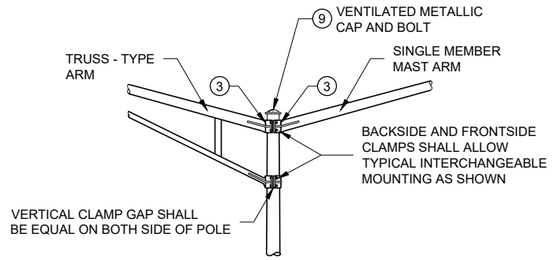
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S.D.D. 9 D 2-3

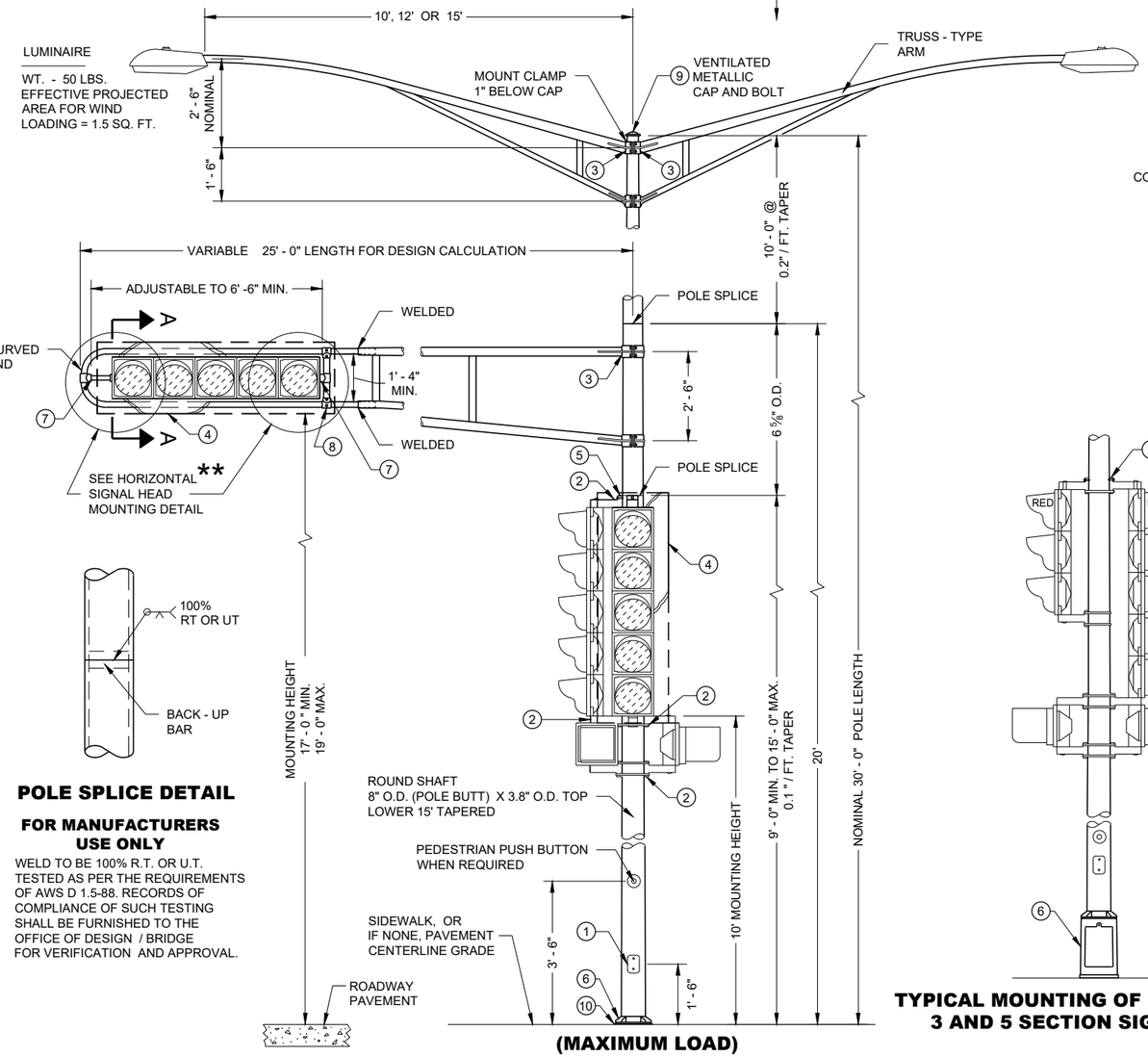


SECTION A-A





INTERCHANGEABLE MOUNTING DETAIL

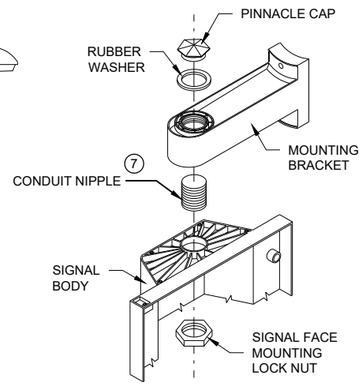


POLE SPLICE DETAIL

FOR MANUFACTURERS USE ONLY

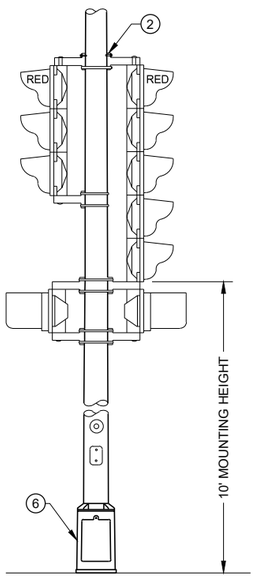
WELD TO BE 100% R.T. OR U.T. TESTED AS PER THE REQUIREMENTS OF AWS D 1.5-88. RECORDS OF COMPLIANCE OF SUCH TESTING SHALL BE FURNISHED TO THE OFFICE OF DESIGN / BRIDGE FOR VERIFICATION AND APPROVAL.

(MAXIMUM LOAD)

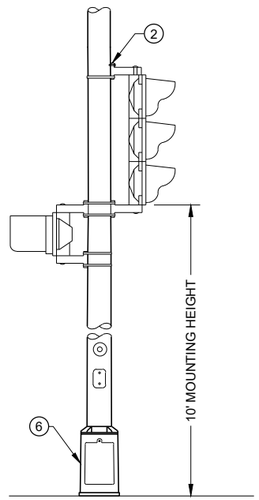


SIGNAL FACE MOUNTING DETAIL

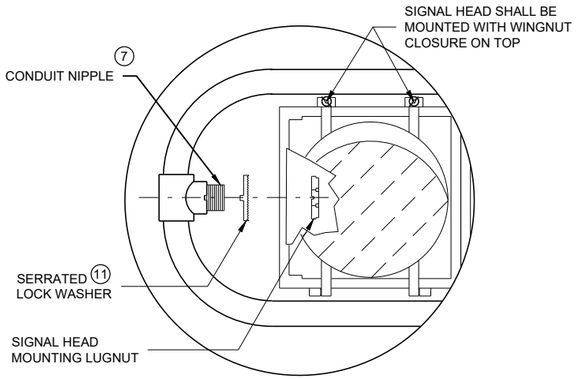
(BANDED)



TYPICAL MOUNTING OF BACK TO BACK 3 AND 5 SECTION SIGNAL FACES



TYPICAL MOUNTING OF 3 SECTION SIGNAL FACE



HORIZONTAL SIGNAL HEAD ** MOUNTING DETAIL

** SIGNAL HEAD ATTACHMENT ALSO APPLIES TO MOUNTING AT CROSS BAR

TYPE 3 POLE MOUNTING CONFIGURATION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL TYPE 3 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

A PULL WIRE / ROPE SHALL BE INSTALLED IN EACH TROMBONE ARM RACEWAY DURING THE MANUFACTURING PROCESS.

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

(2) SIGNAL FACE MOUNTING BRACKETS. MOUNT WITH CAP SCREWS AND BANDING.

(3) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(4) SECURELY MOUNT DULL BLACK POLYCARBONATE BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURER'S RECOMMENDATIONS.

(5) POLE MOUNTED SIGNAL FACES SHALL REQUIRE ONE OR MORE MOUNTING SPACERS UNDER THE TOP MOUNTING BRACKET(S) AS REQUIRED, TO PLUMB THE SIGNAL FACE.

(6) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED. UNDER MAX LOADING, TYPE 3 POLE SHALL BE MOUNTED DIRECTLY TO ITS CONCRETE BASE.

(7) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACES AND BRACKET ENDS.

(8) VERTICAL STRUT (ADJUSTABLE). ONE (1) SET SCREW (¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD) INTO EACH ARM MEMBER IF STRUT IS THE SLIDING TYPE.

(9) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(10) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(11) USE SERRATED LOCK WASHERS WITH NOTCHES BETWEEN END TEE AND SIGNAL HEAD.

POLE MOUNTINGS FOR TRAFFIC SIGNALS AND LIGHTING UNITS TYPE 3 (HEAVY DUTY)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

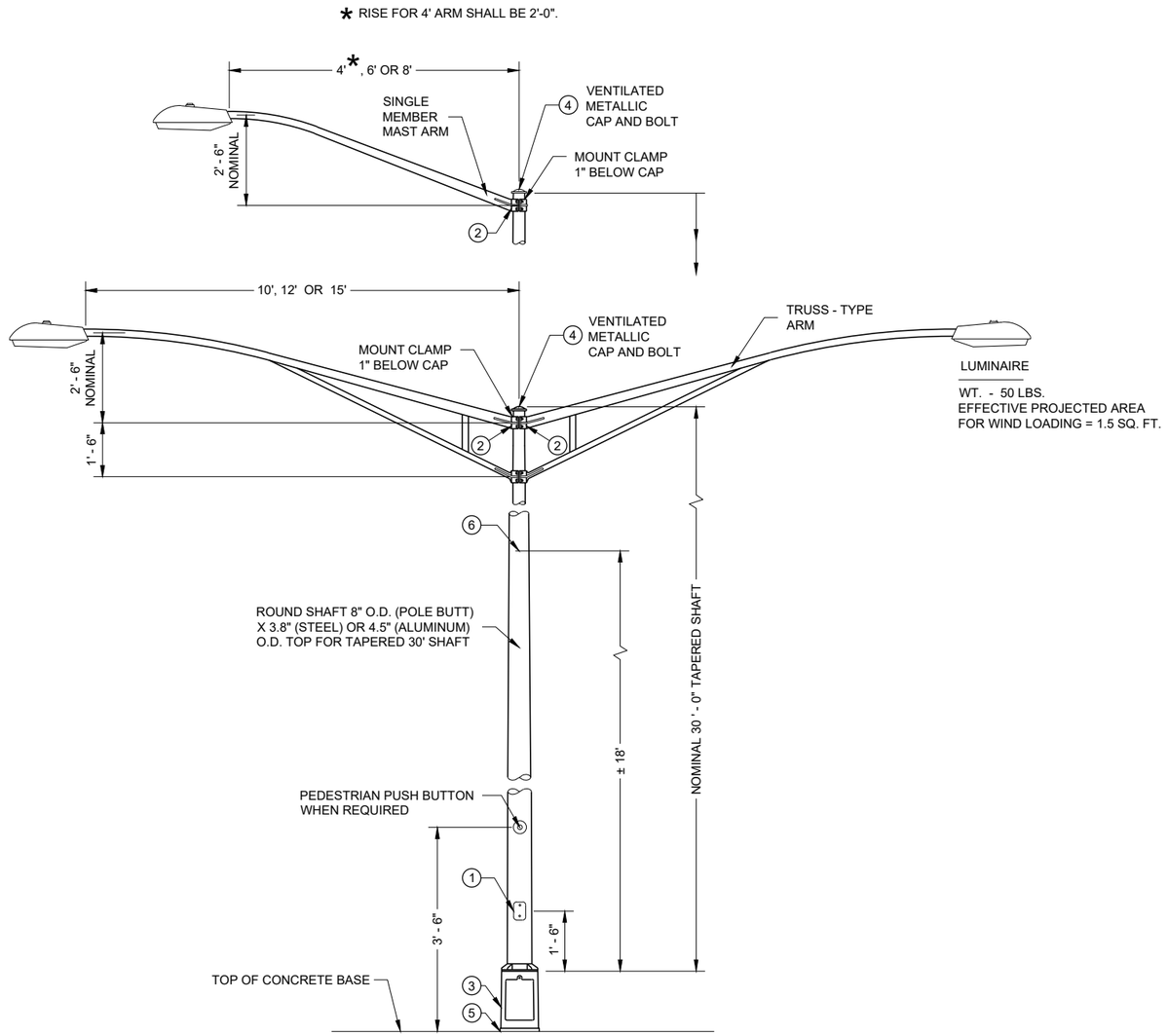
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SDD 09E01 - 15b

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SDD 09E01 - 15b



TYPE 5 POLE MOUNTING CONFIGURATION
(MAXIMUM LOAD)
LIGHTING ONLY

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SECTION 657, POLES, OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

ALL TYPE 5 POLE MOUNTINGS SHALL BE DESIGNED TO INCLUDE TWIN 15' ARMS WITH LUMINAIRES.

POLES SHALL BE GALVANIZED STEEL OR ALUMINUM, AS CALLED FOR IN THE CONTRACT.

TYPE 5 ALUMINUM POLES SHALL BE CONSTRUCTED OF 6063 - T6 ALUMINUM ALLOY. SLEEVING INSIDE THE POLE IS NOT ACCEPTABLE.

TYPE 5 ALUMINUM POLES SHALL HAVE A MINIMUM WALL THICKNESS OF 0.1888".

TYPE 5 STEEL POLES SHALL HAVE A MINIMUM WALL THICKNESS OF U.S. STANDARD 11 GAGE (0.1196").

THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 2 ⅜ INCHES IN OUTSIDE DIAMETER. THE STRAIGHT PORTION OF THE SLIPFITTER END OF THE LUMINAIRE MAST ARM SHALL BE A NOMINAL 12 INCHES IN LENGTH.

WHEN TRANSFORMER BASES ARE USED, WIRE CONNECTIONS SHALL BE MADE IN THE TRANSFORMER BASE.

(1) 4" X 6" REINFORCED HANDHOLE AND COVER ASSEMBLY WITH TWO (2) ¼" X ¾" - 20 TPI , STAINLESS STEEL, HEX HEAD BOLTS.

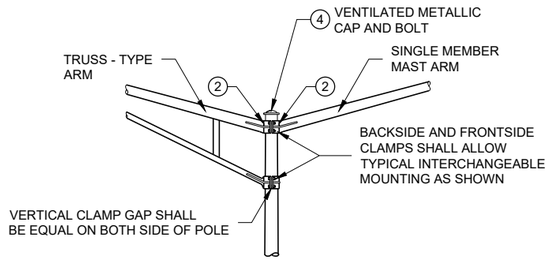
(2) GROMMETS. 1" CHASE NIPPLES OR 1" CLOSE CONDUIT NIPPLES WITH BUSHINGS SHALL BE PROVIDED FOR 1 ⅜" HOLE IN POLE SHAFT FOR WIRING.

(3) CAST ALUMINUM TRANSFORMER BASE, WHEN REQUIRED.

(4) FURNISH AND INSTALL VENTILATED, CAST METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(5) SHIMMING, IF NEEDED, SHALL BE LOCATED BETWEEN THE CONCRETE FOUNDATION AND POLE.

(6) INTERNAL DUMBBELL - TYPE VIBRATION DAMPER.



INTERCHANGEABLE MOUNTING DETAIL

POLE MOUNTINGS FOR LIGHTING UNITS, TYPE 5 (30 FEET)

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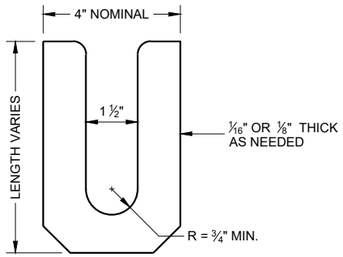
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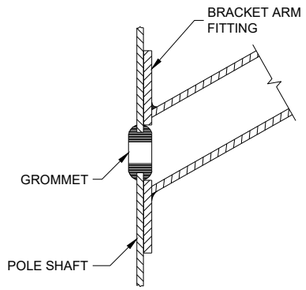
SDD 09E01 - 15d

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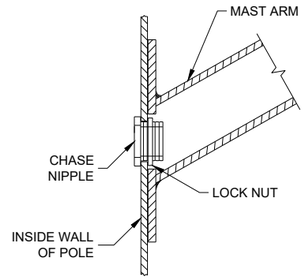
SDD 09E01 - 15d



LEVELING SHIM (1)
SHALL BE ALUMINUM



TYPICAL APPLICATION OF GROMMET IN POLE SHAFT



TYPICAL APPLICATION OF CHASE NIPPLE IN POLE SHAFT

GENERAL NOTES

CLAMP BOLT-NUT TIGHTENING TORQUE SHALL BE INDICATED BY INDENT STAMPING (1/2 INCH NUMERALS AND LETTERS) OR WEATHERPROOF PRINTING ON THE INSIDE OF THE CLAMP THAT IS WELDED TO THE ARM MEMBER.

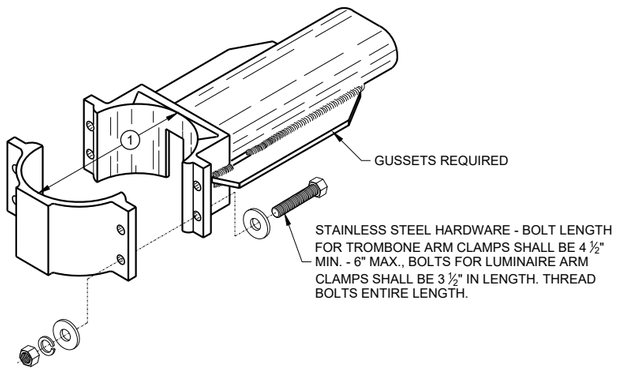
(1) 4.5" I.D. FOR LUMINAIRE MAST ARM CLAMP. 6.625" I.D. FOR TROMBONE MAST ARM CLAMP.

(2) INDIVIDUAL BASE PLATE ANCHOR ROD COVERS. (4 REQUIRED)

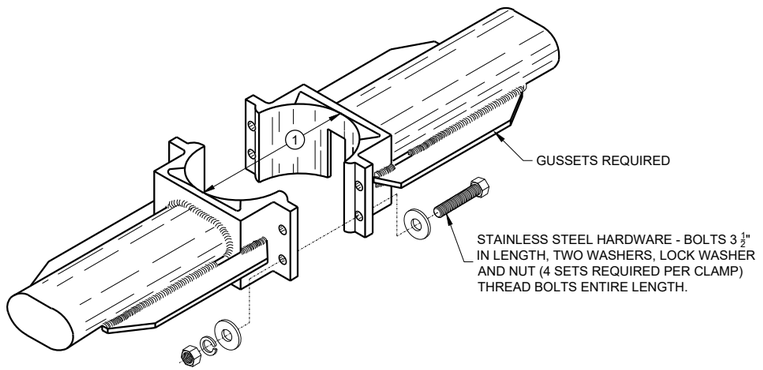
(3) BASE PLATE SLOTTED TO ACCEPT 11" THROUGH 12" BOLT CIRCLE USING 1" DIAMETER ANCHOR RODS.

(4) LEVELING SHIMS, DESIGNED FOR THE PURPOSE, SHALL BE USED WHEN PLUMBING POLES. THE USE OF WASHERS IN LIEU OF PROPER LEVELING SHIMS IS NOT ACCEPTABLE. LEVELING SHIMS SHALL BE USED ONLY BETWEEN THE TOP OF THE CONCRETE BASE AND A METALLIC BASE PLATE.

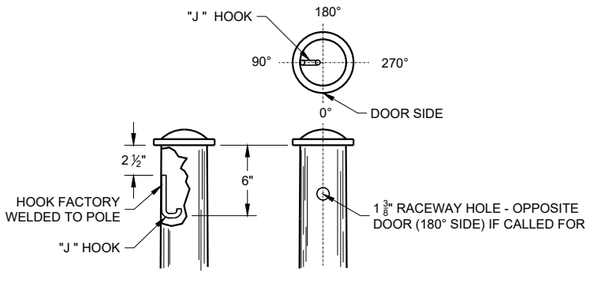
SHIMS SHALL BE LONG ENOUGH AND WIDE ENOUGH TO COMPLETELY COVER THE AREA UNDER THE LENGTH AND WIDTH OF THE BASE MOUNTING FLANGE.



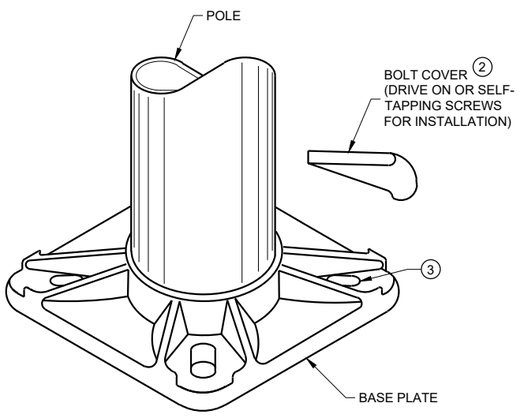
TYPICAL TROMBONE MAST ARM AND SINGLE LUMINAIRE MAST ARM MOUNTING CLAMP



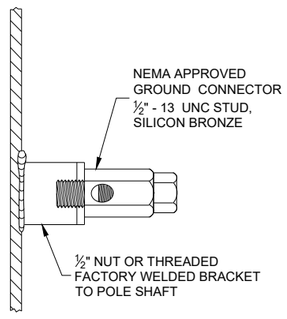
TYPICAL LUMINAIRE MAST ARM (DOUBLE) MOUNTING BRACKETS

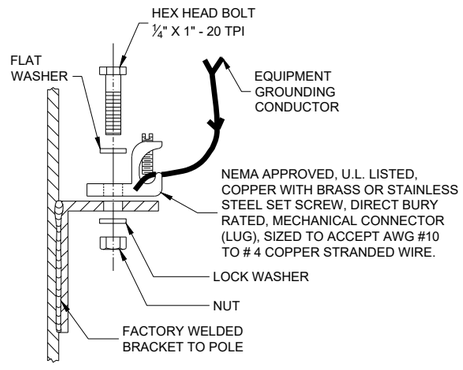


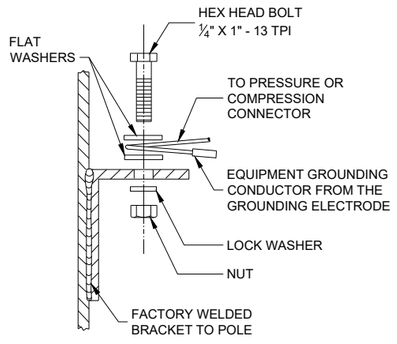
TYPICAL "J" HOOK LOCATION



BASE PLATE







TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL

HARDWARE DETAILS FOR POLE MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 601

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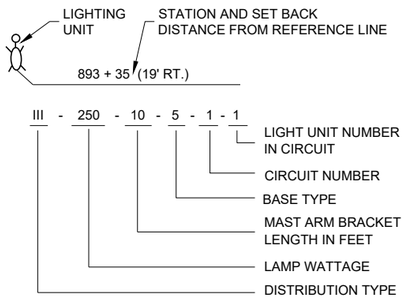
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GENERAL NOTES

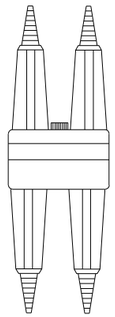
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

THE EQUIPMENT GROUND CONNECTOR SHALL BE TAPED WITH 3 WRAPS (MINIMUM) OF APPROVED RUBBER TAPE AND 3 WRAPS (MINIMUM) OF APPROVED VINYL TAPE TO COVER SHARP WIRE ENDS AFTER THE CONNECTION IS COMPLETED.

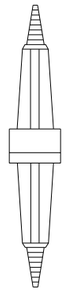
WHEN TRANSFORMER BASES ARE USED, ALL WIRING CONNECTIONS SHALL OCCUR WITHIN THE TRANSFORMER BASES.



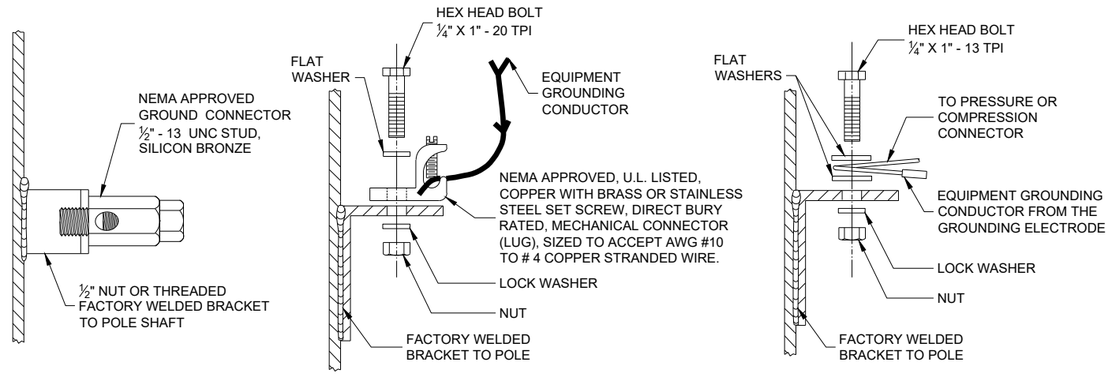
LIGHTING UNIT CODE
(TYPICAL)



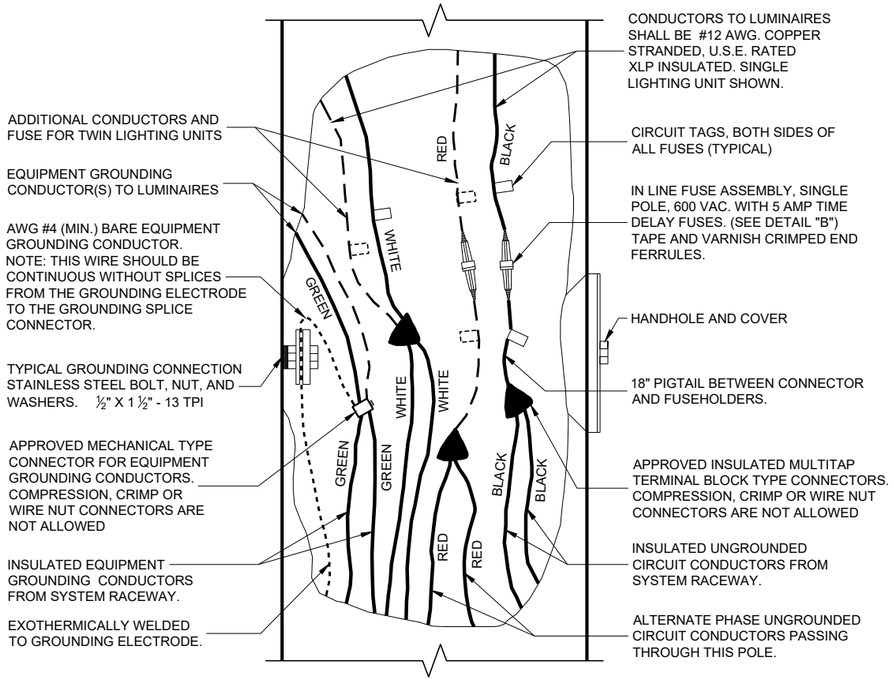
DETAIL "A"
BREAKAWAY DOUBLE POLE WITH WATERPROOF INSULATING BOOT



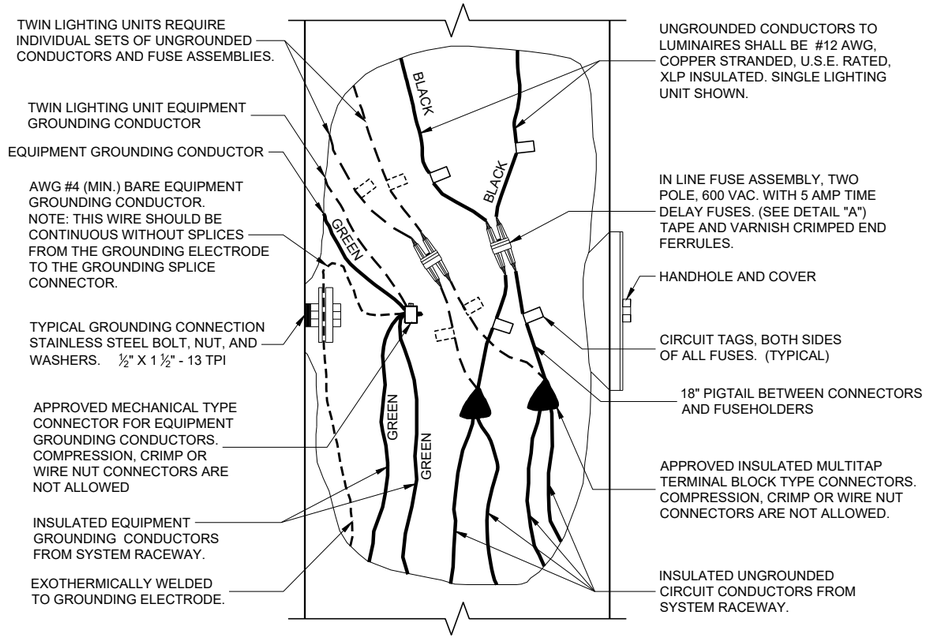
DETAIL "B"
BREAKAWAY SINGLE POLE WITH WATERPROOF INSULATING BOOT



TYPICAL GROUNDING CONNECTIONS
NUT, BOLT AND WASHERS SHALL BE STAINLESS STEEL



3 WIRE - 120, 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH GROUNDING CONDUCTOR AND EQUIPMENT GROUNDING CONDUCTOR



2 WIRE - 240 OR 480 VAC (UNGROUNDED CONDUCTORS) WITH EQUIPMENT GROUNDING CONDUCTOR

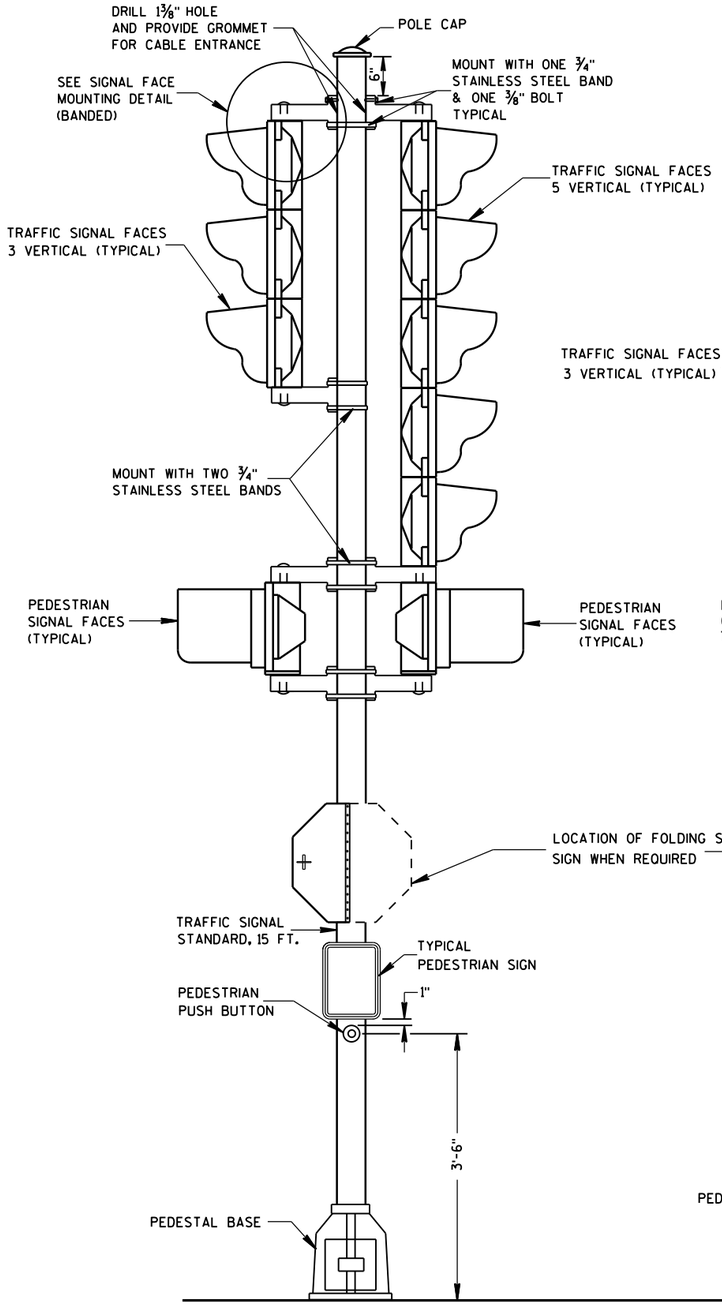
NON - FREEWAY LIGHTING UNIT POLE WIRING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

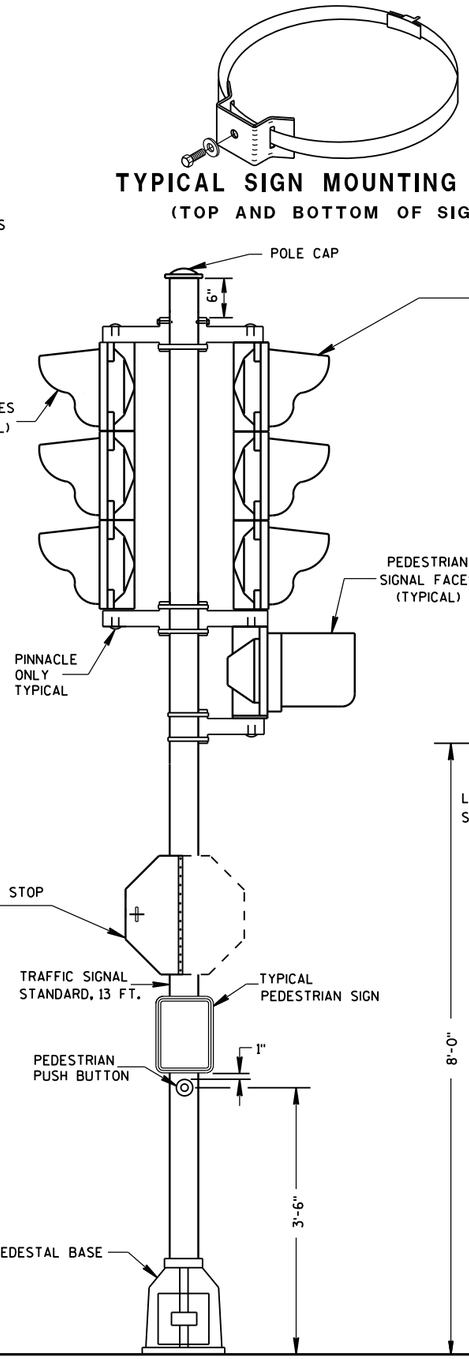
APPROVED
November 2018
DATE
/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 602

FHWA

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SDD 09E03 - 06

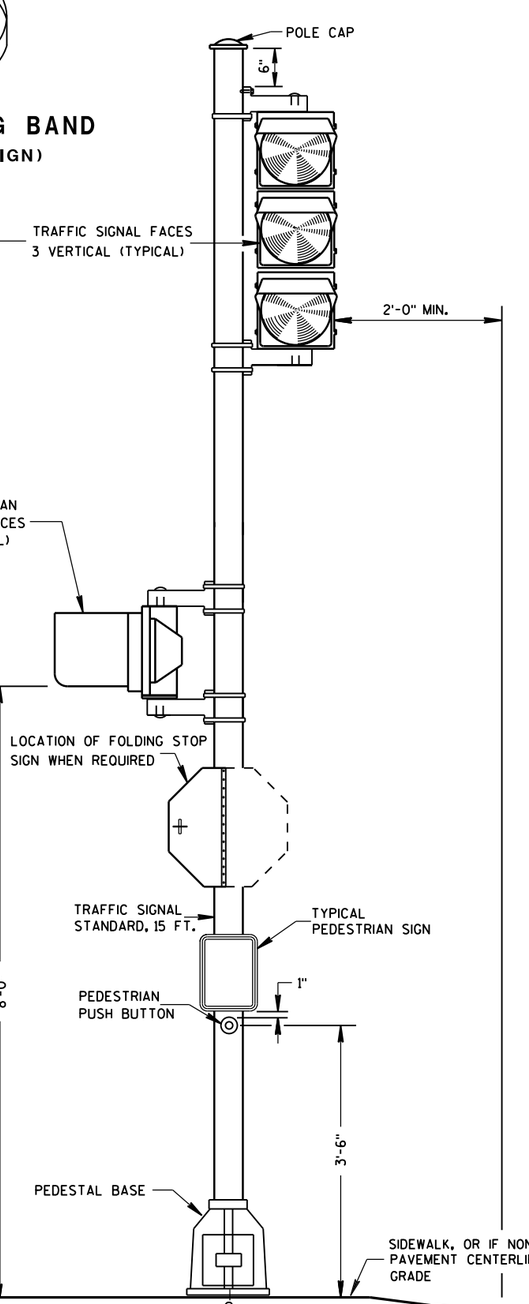


TRAFFIC SIGNAL STANDARD-15 FT.



TRAFFIC SIGNAL STANDARD-13 FT.

TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



TRAFFIC SIGNAL STANDARD-15 FT.
3M MOUNTING (TYPICAL)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIAL PROVISIONS.

POLYCARBONATE MOUNTING BRACKETS SHALL BE USED.

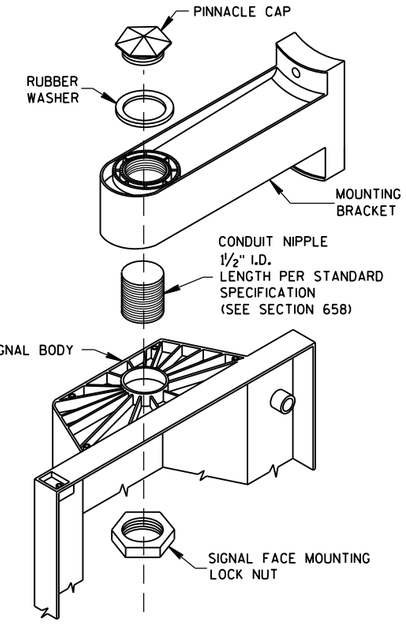
LENGTH AND LOCATION OF TRAFFIC SIGNAL STANDARDS SHALL BE AS SHOWN ON THE PLANS.

OPTICALLY PROGRAMMED SIGNAL FACES SHALL BE MASKED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, AND UNDER THE DIRECTIONS OF THE REGION TRAFFIC ENGINEER.

FOLDING STOP SIGNS SHALL BE IN ACCORDANCE WITH THE MUTCD AND/OR THE LATEST WISCONSIN SUPPLEMENT. THE SIGNS SHALL BE SIZED AND LOCATED AS CALLED FOR IN IN THE PLANS.

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.



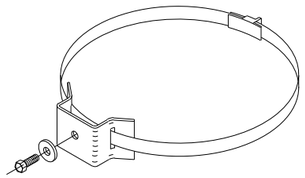
SIGNAL FACE MOUNTING DETAIL
(BANDED)

TRAFFIC SIGNAL STANDARD POLY BRACKET MOUNTINGS (TYPICAL) 13 FT. OR 15 FT.

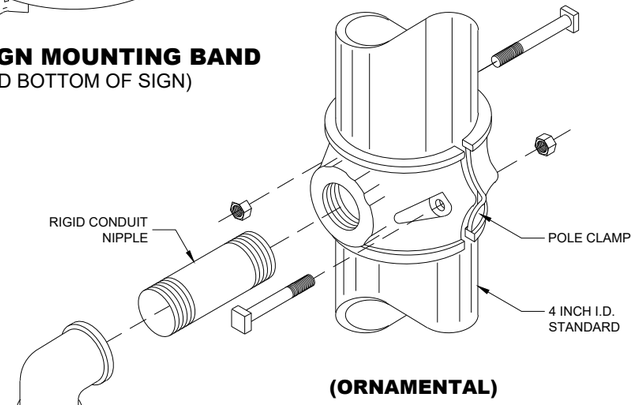
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
2/28/2013 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 603
FHWA

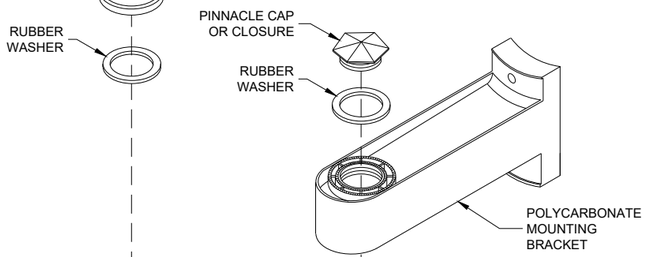
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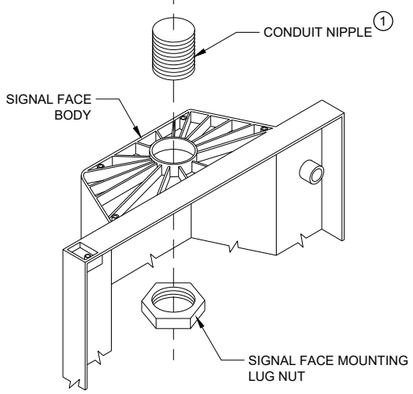
TYPICAL SIGN MOUNTING BAND
(TOP AND BOTTOM OF SIGN)



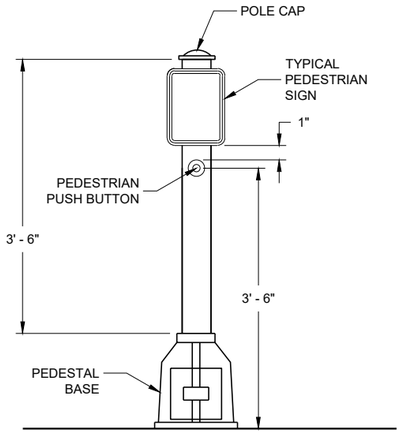
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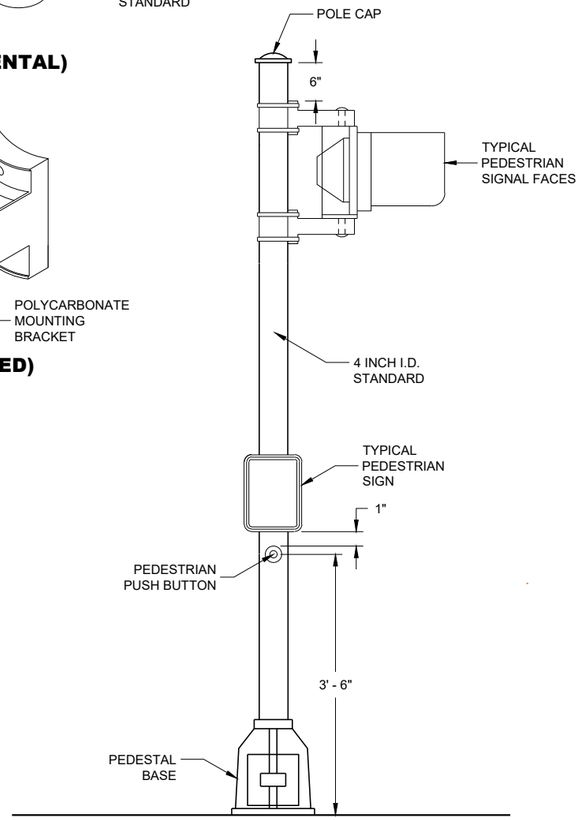
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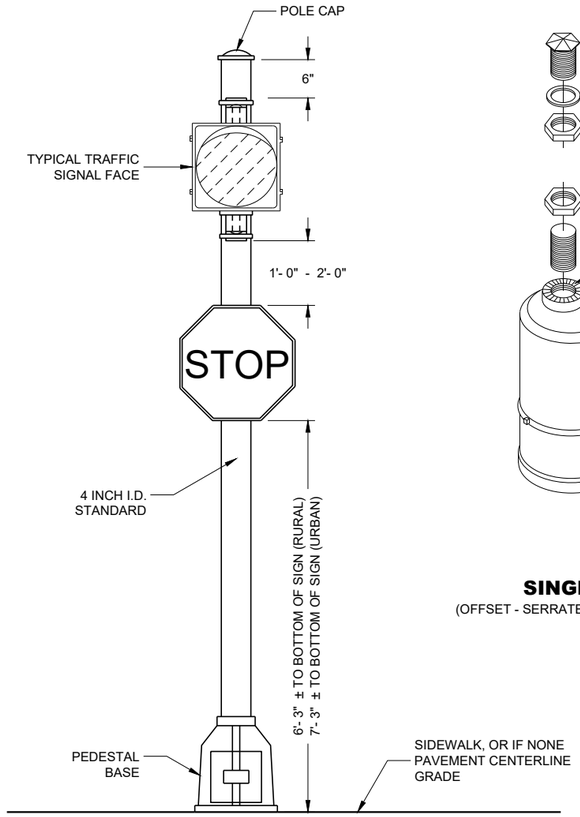
SIGNAL FACE MOUNTING DETAILS



PEDESTRIAN PUSH BUTTON TYPICAL MOUNTING



PEDESTRIAN FACE STANDARD - 10 FT.
(WALK - DON'T WALK)



STANDARD FLASHER
10 FOOT, 13 FOOT OR 15 FOOT AS REQUIRED

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

SEE THE SIGNAL PLAN FOR REQUIRED SIGNAL FACE SIZES.

LOCATIONS SHALL BE AS SHOWN ON THE PLANS, UNLESS APPROVED BY THE ENGINEER IN THE FIELD.

ALL PEDESTAL BASES SHALL BE MOUNTED ON CONCRETE BASE - TYPE 1.

FOR APPROVED MOUNTING HARDWARE, SEE THE CONTRACT SPECIFICATIONS.

POLYCARBONATE SIGNAL FACE MOUNTING BRACKETS SHALL BE USED UNLESS ORNAMENTAL POLE CLAMPS ARE SPECIFIED.

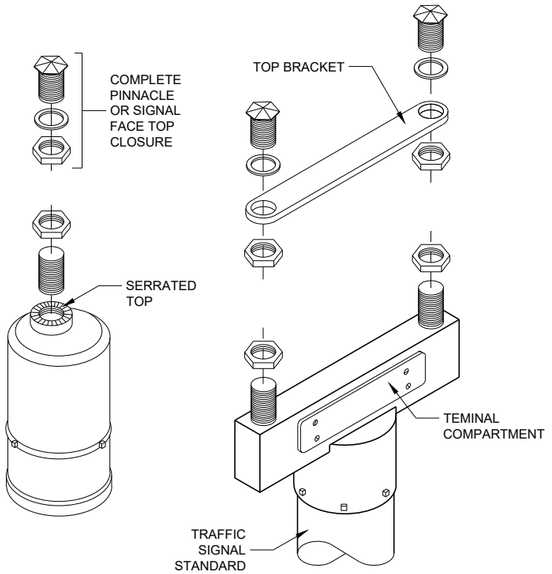
LENGTH OF TRAFFIC STANDARDS SHALL BE AS SHOWN ON THE PLANS.

MOUNTINGS AND BRACKETS SHALL BE AS SHOWN ON THE PLANS OR DESCRIBED IN THE SPECIAL PROVISIONS (BY THE REGION TRAFFIC ENGINEER).

PEDESTRIAN SIGNS SHALL BE AS DESIGNATED IN THE PLANS.

FURNISH AND INSTALL VENTILATED, CAST, METALLIC (ALUMINUM ALLOY) CAPS. FASTEN CAPS WITH ONE (1) ¼" X ¾" - 20 TPI STAINLESS STEEL, HEX HEAD BOLT.

(1) USE 1 ½" ID NIPPLES ZINC-COATED RIGID METAL CONDUIT, LONG ENOUGH TO ACCOMMODATE FULL DEPTH THREADING INTO THE HEAD MOUNTING LOCK NUT IN ORDER TO TIGHTEN THE FACE, BUT THAT DO NOT INTERFERE WITH REFLECTOR CLOSURE. THREAD THE NIPPLE INTO THE MOUNTING BRACKET/ELBOW UNTIL TIGHT. USE APPROVED PINNACLE TYPE HARDWARE FROM A DEPARTMENT APPROVED MANUFACTURER TO CLOSE THE UNUSED 1 ½" OPENING IN SIGNAL FACESAND BRACKET ENDS.



SINGLE
(OFFSET - SERRATED MOUNTING)

DOUBLE
(SERRATED MOUNTING)

SLIPFITTERS

TRAFFIC SIGNAL STANDARD
PEDESTRIAN AND FLASHER
TYPICAL MOUNTING DETAILS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

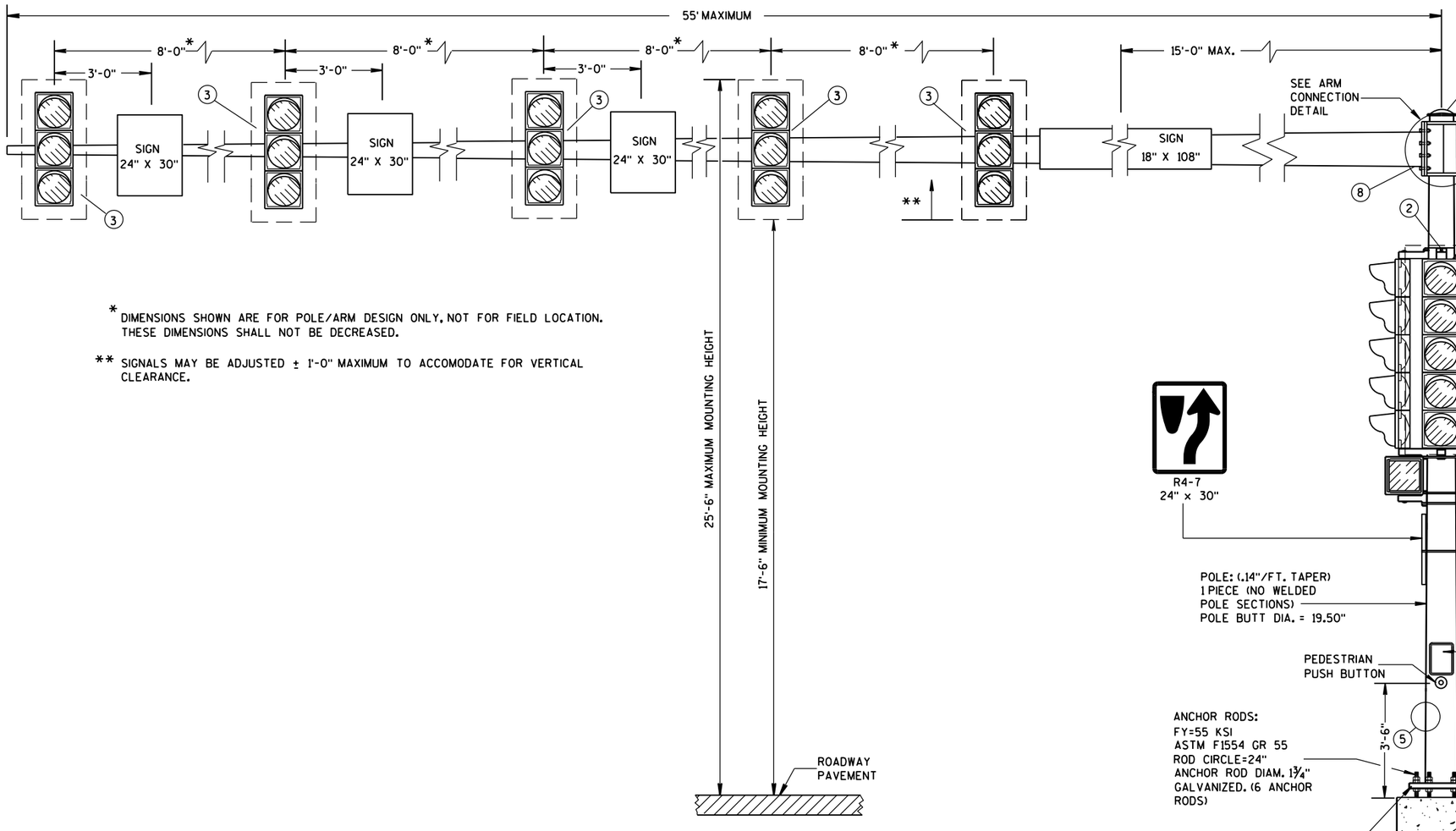
APPROVED
November 2018
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL ENGI 604

FHWA

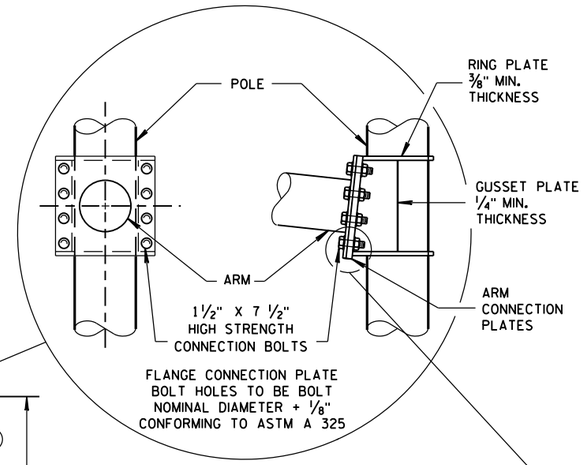
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SDD 09E07 - 06

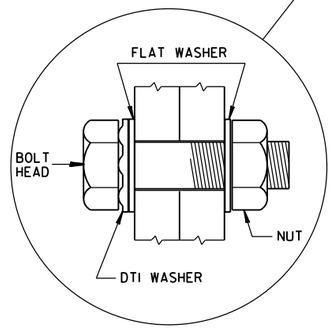


* DIMENSIONS SHOWN ARE FOR POLE/ARM DESIGN ONLY, NOT FOR FIELD LOCATION. THESE DIMENSIONS SHALL NOT BE DECREASED.

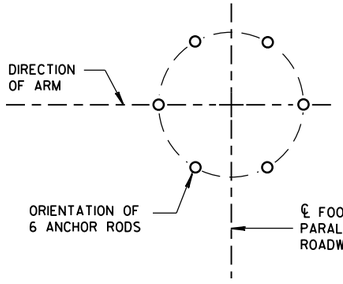
** SIGNALS MAY BE ADJUSTED ± 1'-0" MAXIMUM TO ACCOMODATE FOR VERTICAL CLEARANCE.



8 BOLT ARM CONNECTION DETAIL



RECOMMENDED BOLT ASSEMBLY DETAIL



ANCHOR ROD LOCATION

(MAXIMUM LOAD)

TYPE 12 POLE 35'- 55' MONOTUBE ARM

TYPE 12 POLE
35' - 55' MONOTUBE ARM

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 605
FHWA

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S.D.D. 9 E 8-8c

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

POLE TYPES 9 AND 10 ARE FOR ARM LENGTHS 15-FOOT TO 30-FOOT.

POLE TYPES 12 AND 13 ARE FOR ARM LENGTHS 35-FOOT TO 55-FOOT.

MONOTUBE POLE AND ARM SHALL BE GALVANIZED STEEL.

RING-STIFFENED BUILT-UP BOX TYPE OF ATTACHMENT FOR TRAFFIC SIGNAL ARM.

ONE (1) PIECE POLE CONSTRUCTION (NO WELDED POLE SECTIONS).

STANDARD STRAIGHT ARM DESIGN (3 % ± RISE).

SECTION 657, POLES OF THE STANDARD SPECIFICATIONS SHALL APPLY TO THIS DRAWING.

PROVIDE WIREWAY THRU POLE WALL AND ARM CONNECTION PLATES. PROVIDE ROUND, SMOOTH INSIDE SURFACE.

MANUFACTURER'S SUBMITTED POLE DESIGNS AND DRAWINGS SHALL BE SIGNED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER AND CERTIFIED AS BEING IN COMPLIANCE WITH THE AASHTO 2013 6TH EDITION AND ALL PERTINENT WISDOT SPECIFICATIONS AND DRAWINGS FOR TRAFFIC AND LIGHTING STRUCTURES AND AS FOLLOWS:

- CATEGORY III FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 9 AND TYPE 10 STRUCTURES.
- CATEGORY II FATIGUE LOADS OF GALLOPING, TRUCK GUSTS (AT 45 MPH VEHICLE VELOCITY) AND NATURAL WIND GUSTS FOR DESIGN OF TYPE 12 AND TYPE 13 STRUCTURES.
- 90 MPH (3-SECOND GUST) WIND SPEED AND A 50 YEAR DESIGN LIFE.

SECURE THE OPENING BELOW THE BASE PLATE WITH STAINLESS STEEL OR GALVANIZED STEEL MESH AND SECURE THE MESH WITH ¾" S.S. BANDING AROUND THE LEVELING NUTS.

INDENT PRINT (NOMINAL ½" HIGH) THE POLE LENGTH AND FIRST TWO LETTERS OF THE MANUFACTURERS NAME ON TWO SIDES OF THE BASE PLATE 180 DEGREES APART, BEFORE GALVANIZING. THE ARM SHALL BE IDENTIFIED WITH THE SAME INFORMATION BY INDENT PRINT.

SIGNAL FACE SHALL BE MOUNTED 6 INCHES (NOMINAL) FROM THE END OF THE MONOTUBE ARM OR AS SHOWN ON THE PLAN CONSTRUCTION DETAIL OR AS DIRECTED BY THE PROJECT ENGINEER/ELECTRICAL OPERATIONS PERSONNEL. MOUNT ALL LIKE HEADS AT SAME ELEVATION.

SIGN MOUNTING BRACKETS SHALL BE FURNISHED IN ACCORDANCE WITH SECTION 637 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.

(1) DESIGN FOR MAXIMUM ALLOWABLE HANDHOLE WITH COVER ASSEMBLY WITH TWO ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

(2) SIGNAL MOUNTING BRACKETS FOR POLE MOUNTING, MOUNT WITH CAP SCREW AND BANDING, (SEE SPECIFICATIONS SEC. 658).

(3) SECURELY MOUNT BACKPLATES, PROJECTING 5" BEYOND ALL SIDES OF THE SIGNAL FACE HOUSING, PER MANUFACTURERS RECOMMENDATIONS.

(4) THE TOP OF THE POLE SHAFT AND THE END OF THE MONOTUBE ARM SHALL BE EQUIPPED WITH A REMOVABLE, VENTILATED CAP HELD SECURELY IN PLACE WITH SET SCREWS.

(5) FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE, (LUG AND HARDWARE PAID UNDER SEPARATE ITEM). PROVIDE HOLE IN BRACKET FOR ¼" X ¾" - 20 TPI STAINLESS STEEL HEX HEAD BOLT.

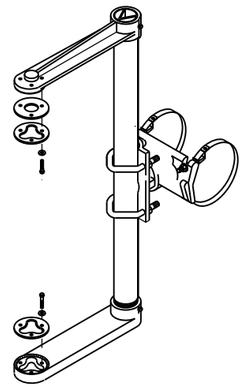
(6) FACTORY-WELDED "J" HOOK FOR STRAIN RELIEF FOR POLE LUMINAIRE WIRE.

(7) INSTALL STRUCTURAL IDENTIFICATION PLAQUES.

STRUCTURAL IDENTIFICATION PLAQUES SHALL BE PLACED ON THE POLES IN THE SAME DIRECTION AS THE ARM.

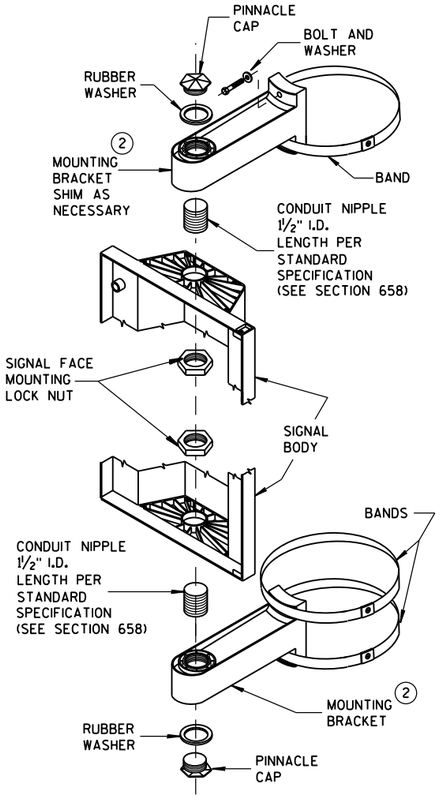
MOUNTING HEIGHT SHALL BE 6'-0" ABOVE THE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL BE OBSTRUCTED.

(8) FACTORY DRILLED ½" DRAIN HOLE 2" FROM FLANGE CONNECTION PLATE.

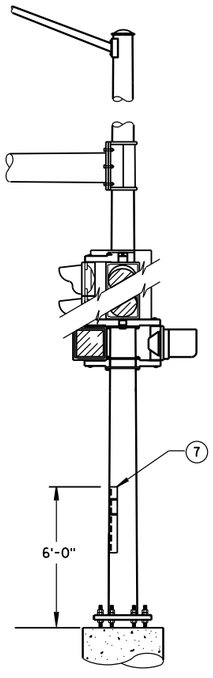


SIGNAL FACE MOUNTING BRACKET
DETAIL FOR MONOTUBE ARM

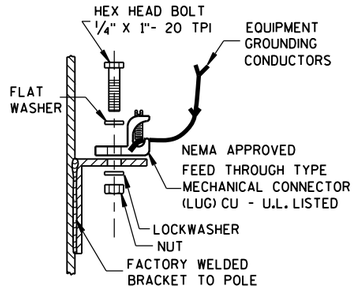
(MOUNT PER MANUFACTURER'S RECOMMENDATION)



SIGNAL FACE
VERTICAL MOUNTING DETAIL

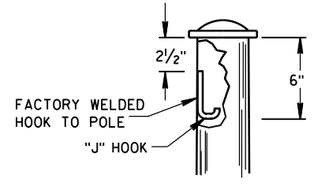


STRUCTURAL IDENTIFICATION
PLAQUE PLACEMENT



TYPICAL GROUNDING CONNECTIONS (5)

NUT, BOLT AND WASHERS SHALL
BE STAINLESS STEEL



"J" HOOK WIRE SUPPORT (6)

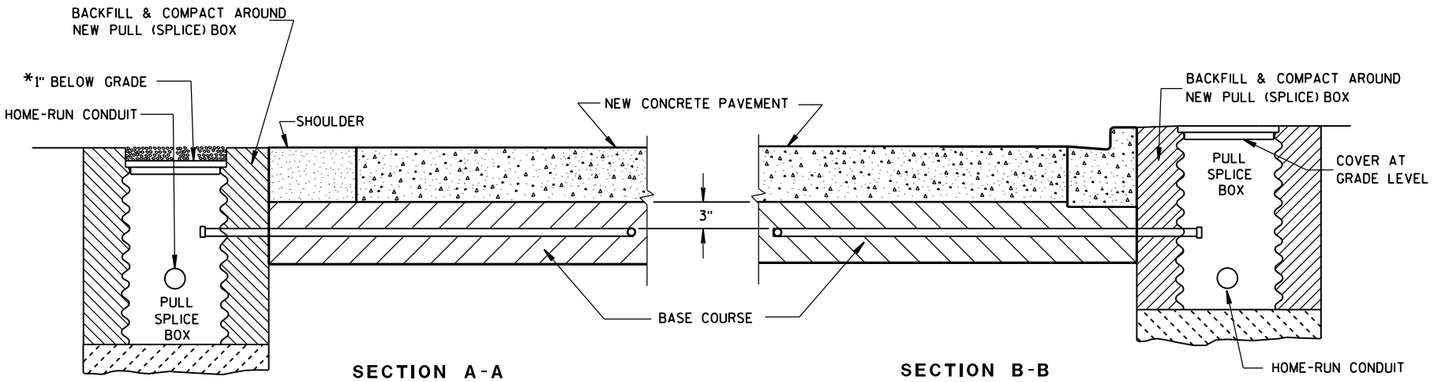
GENERAL NOTES AND HARDWARE DETAILS FOR TYPE 9, 10, 12 & 13 POLES WITH MONOTUBE ARMS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2016 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 606
FHWA

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S.D.D. 9 E 8-8e



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

AFTER SPLICING THE LOOP WIRE TO THE LOOP LEAD-IN CABLE, THE CONTRACTOR SHALL MEASURE INDUCTANCE, GROUND RESISTANCE AND WIRE RESISTANCE AT THE CABINET END OF THE LEAD-IN CABLE AND FURNISH A COPY OF THE READINGS TO THE PROJECT ENGINEER FOR EVALUATION.

LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

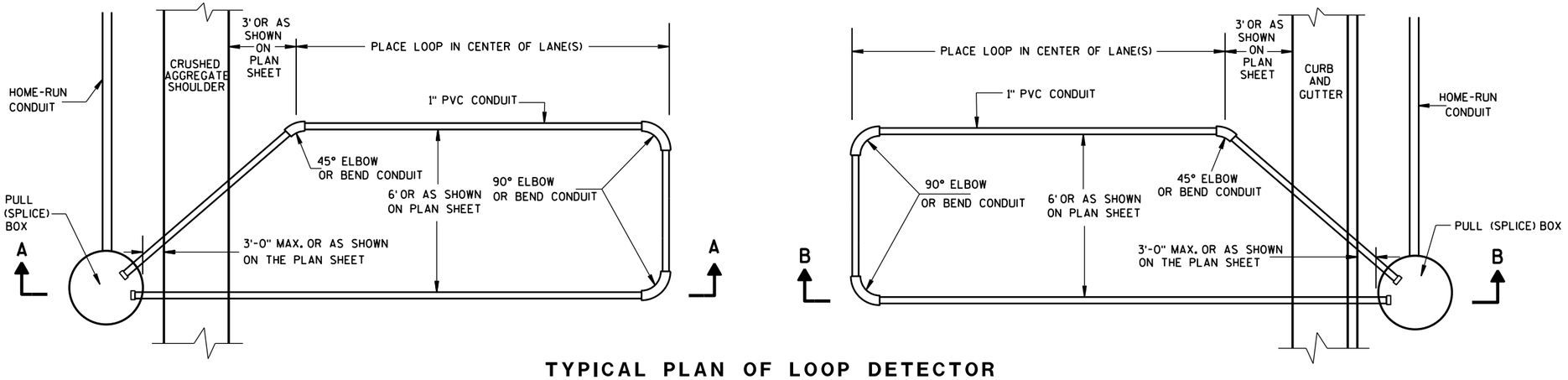
THE #12 AWG. LOOP WIRE IN THE PULL (SPLICE) BOX SHALL BE HAND TWISTED AT LEAST 3 TWISTS PER FOOT BEFORE BEING SPLICED TO THE LOOP LEAD-IN CABLE.

SPLICES OF LOOP WIRE TO LEAD-IN CABLE SHALL BE MADE ONLY IN PULL (SPLICE) BOXES AT THE SIDE OF THE ROAD.

THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICE CONTINUOUS LENGTH.

PROTECTION OF THE CONDUIT IN THE BASE COURSE, SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 18" OR 24" PULL (SPLICE) BOX

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 1)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

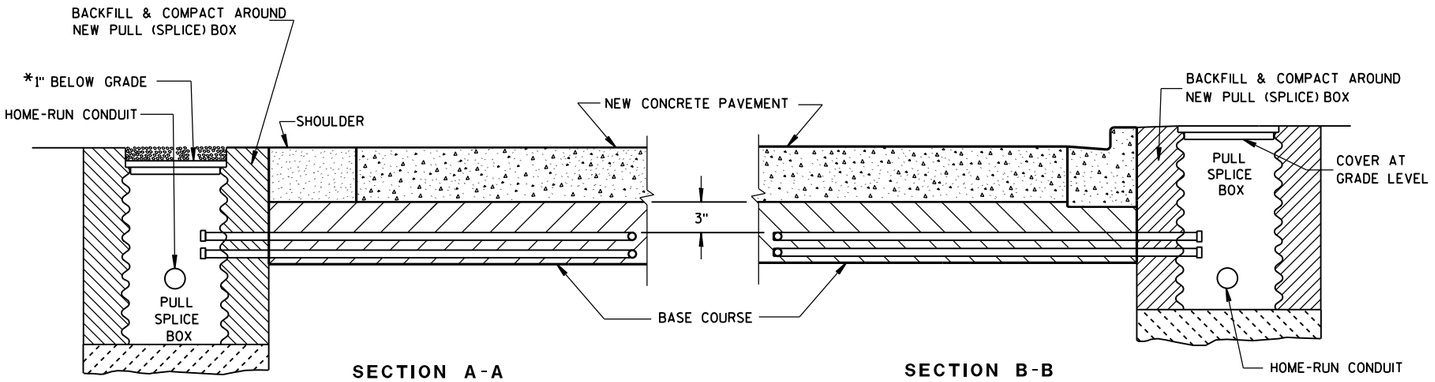
APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 F 15-4a

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S.D.D. 9 F 15-4a



SECTION A-A
NO CURB & GUTTER

SECTION B-B
CURB & GUTTER

*RECESS PULL (SPLICE) BOX SO THAT THE COVER IS 3" BELOW GRADE IN SHOULDER AREAS OF CRUSHED AGGREGATE. BACKFILL OVER COVER WITH THE CRUSHED AGGREGATE TO BRING THE AREA TO GRADE LEVEL.

LOOP DETECTOR INSTALLATION DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

LOOP SIZE, CONFIGURATION LOCATION, NUMBER OF TURNS OF WIRE AND ASSOCIATED SIGNAL PHASE SHALL BE AS SHOWN ON THE PLANS.

PITCH LEAD OUT CONDUIT TO DRAIN TO ROADSIDE PULL (SPLICE) BOX.

SPLICES SHALL BE INSTALLED BY USING CAST IN PLACE SPLICE KITS LISTED ON THE DEPARTMENTS APPROVED PRODUCTS LIST OR AN ENGINEER APPROVED EQUAL. NON-INSULATED BUTT SPLICES TO FIT #12 AWG STRANDED WIRE SHALL BE USED. SPLICES SHALL BE SOLDERED AND INSULATED FROM EACH OTHER AS PER INSTRUCTIONS INCLUDED IN THE SPLICE KIT.

MEASURE GROUND RESISTANCE USING A MEGGER. REPLACE LOOP WIRE NOT ATTAINING A READING OF INFINITY TO GROUND.

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LOOP DETECTOR LEADS SHALL BE IDENTIFIED WITH THEIR ASSOCIATED LOOP BY USE OF WATERPROOF TAGS AT BOTH ENDS OF THE CABLE. A LISTING OF THE CABLE IDENTIFICATION PER INDIVIDUAL LOOP LEAD-IN SHALL BE PLACED IN THE CABINET.

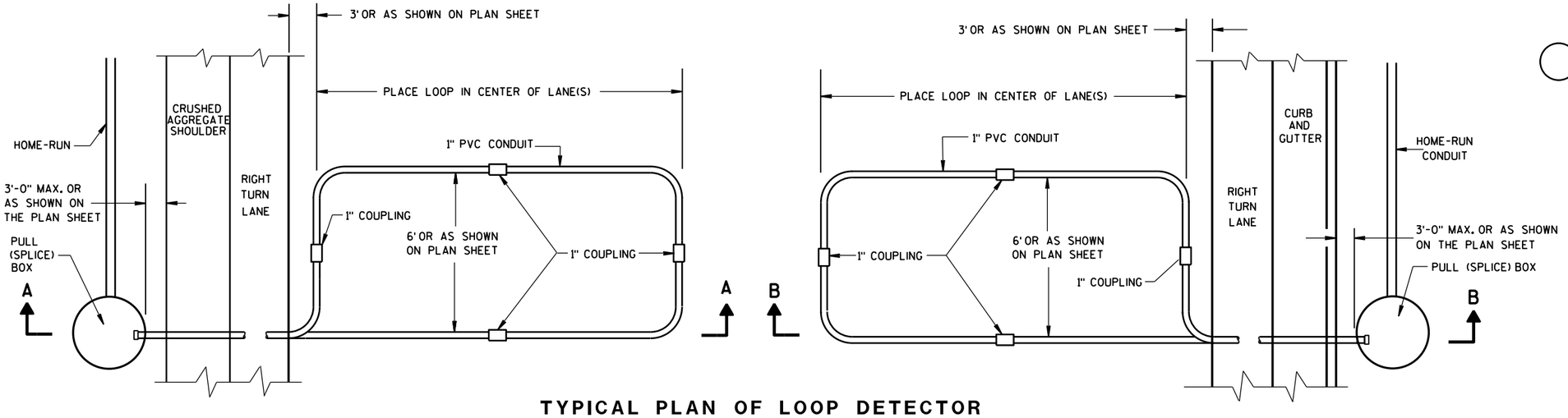
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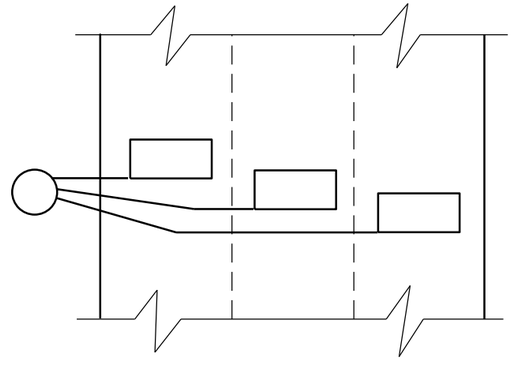
THE #12 AWG LOOP WIRE SHALL BE INSTALLED FROM THE ROADSIDE PULL (SPLICE) BOX, THROUGH THE LOOP CONDUIT, BACK TO THE ROADSIDE PULL (SPLICE) BOX, AND BE INSTALLED IN ONE, NON-SPLICED CONTINUOUS LENGTH.

PROTECTION OF THE CONDUITS IN THE BASE COURSE SHALL BE REQUIRED AFTER INSTALLATION AND BEFORE NEW PAVEMENT IS INSTALLED.

SHOULD INSTALLATION REPAIR BE REQUIRED, IT SHALL BE DONE UNDER THE DIRECTION OF THE PROJECT ENGINEER.



TYPICAL PLAN OF LOOP DETECTOR WITH 24" PULL (SPLICE) BOX



MULTI-LANE INSTALLATION

LOOP DETECTOR INSTALLED IN BASE COURSE WITH PULL (SPLICE) BOX OFF ROADWAY (OPTION 2)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
608
FHWA

6

S.D.D. 9 F 15-4b

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S.D.D. 9 F 15-4b

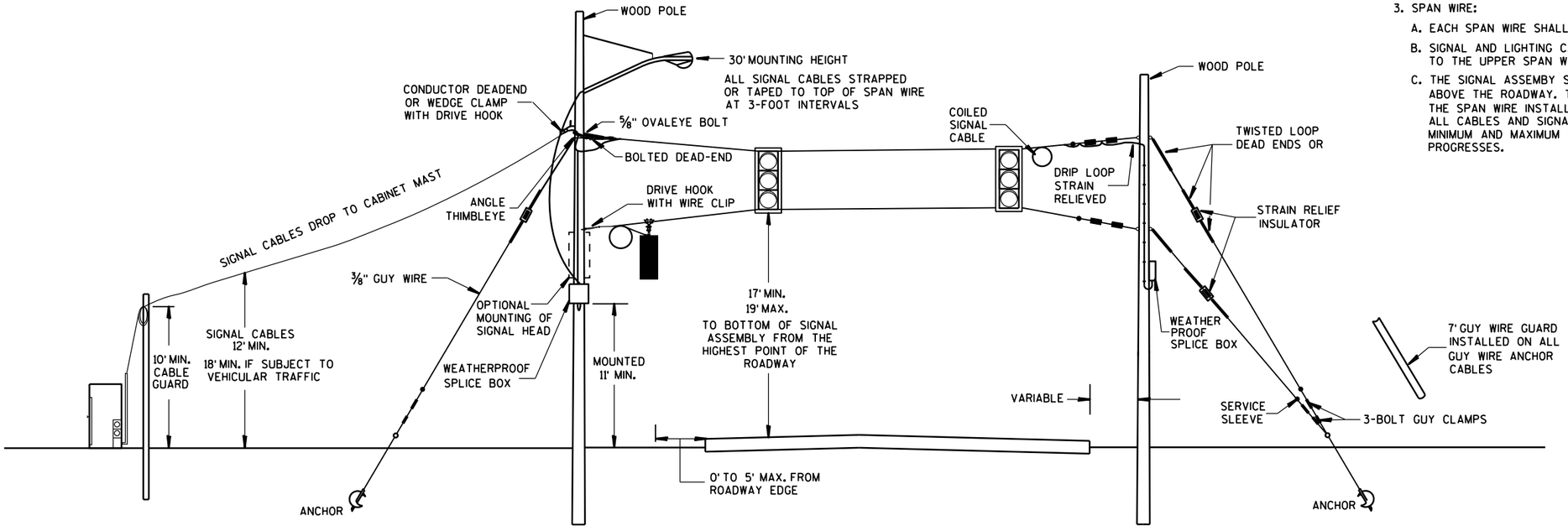
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.

2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.

3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.



SPAN WIRE
TEMPORARY SIGNALS

MINIMUM POLE LENGTHS	POLE BURIEL DEPTHS
25'	5'
30'	6'
35'	7'
40'	8'
45'	9'

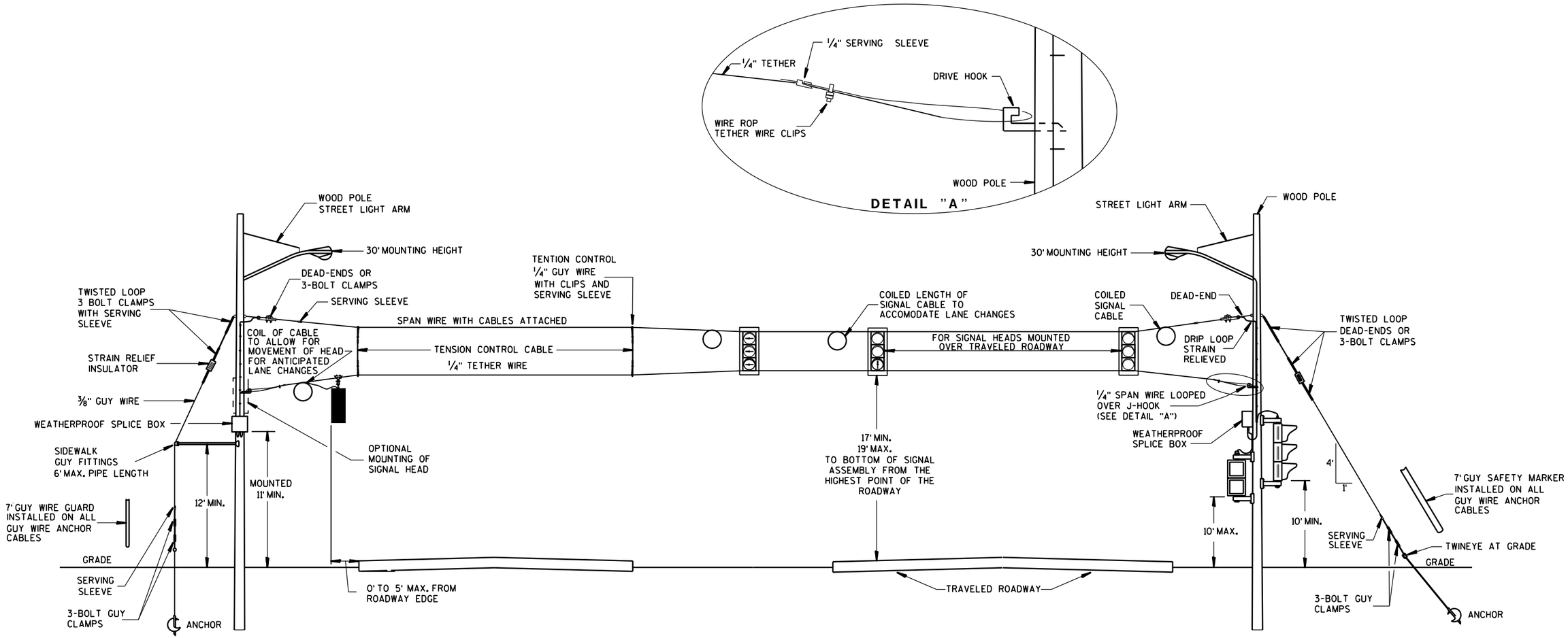
SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 G 1-4a



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

1. WOOD POLES SHALL BE CLASS 4. LENGTH DETERMINED BY SIGNAL PLAN.
2. SIGNAL FACES:
   A. ALL SECTIONS SHALL BE 12" AND POLYCARBONATE.
   B. EACH SHALL CONTAIN A 5" WIDE DULL BLACK POLYCARBONATE BACKPLATE.
   C. EACH SHALL BE WIRED FROM THE TOP SIGNAL MOUNTING BRACKET.
   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.
3. SPAN WIRE:
   A. EACH SPAN WIRE SHALL BE INDIVIDUALLY DOWN GUYED.
   B. SIGNAL AND LIGHTING CABLES SHALL ONLY BE ATTACHED TO THE UPPER SPAN WIRE.
   C. THE SIGNAL ASSEMBY SHALL HAVE A 17' MIN. HEIGHT ABOVE THE ROADWAY. THIS SHALL BE MEASURED AFTER THE SPAN WIRE INSTALLATION IS COMPLETED WITH ALL CABLES AND SIGNAL FACES IN PLACE. MAINTAIN MINIMUM AND MAXIMUM HEIGHTS AS ROADWAY WORK PROGRESSES.

SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

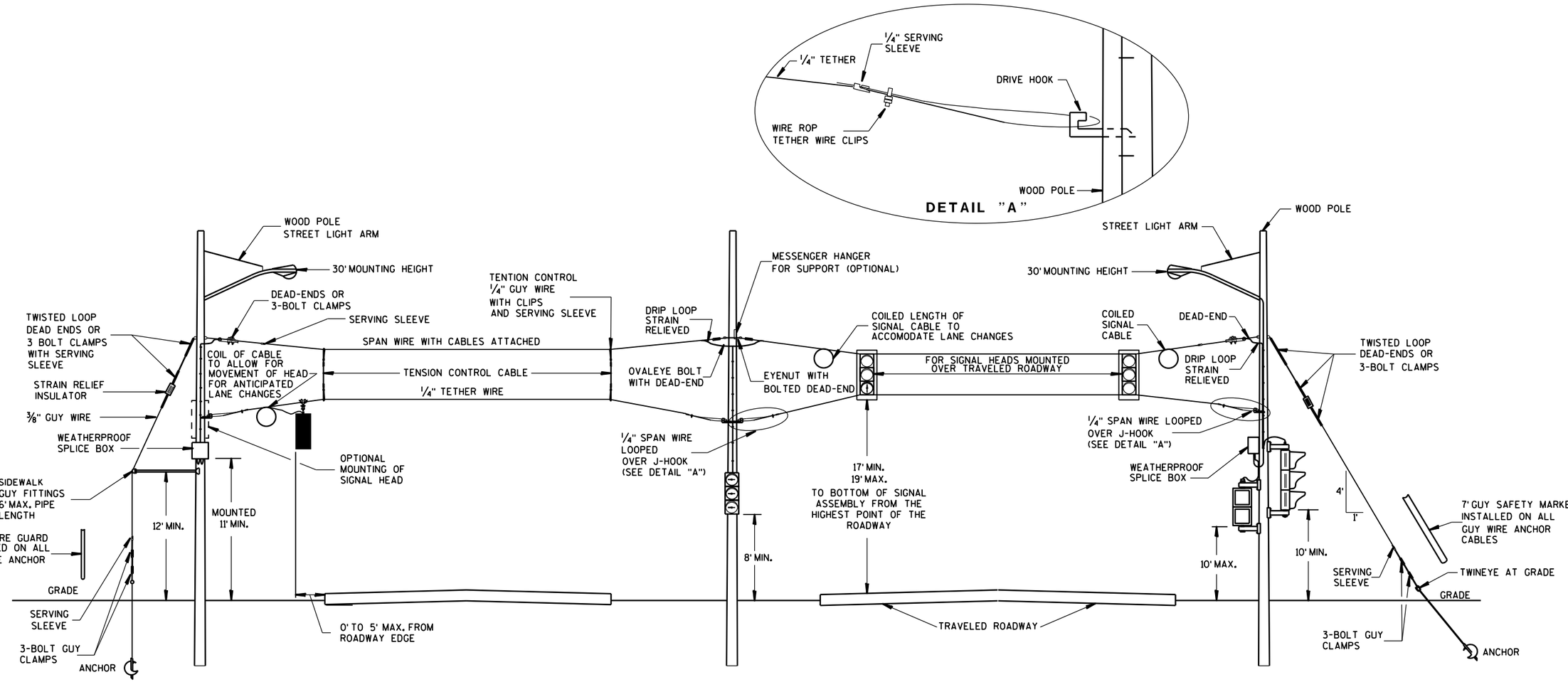
SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL 610
FHWA

6

S.D.D. 9 G 1-4b



SPAN WIRE
TEMPORARY SIGNALS
4 LANE ROADWAYS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

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   D. NEAR RIGHT SIGNAL FACE SUSPENDED ON THE TETHER (NO BACKPLATE) SHALL NOT BE OVER THE TRAVELED WAY. IF THE POLE IS WITHIN 5 FEET OF THE TRAVELED WAY MOUNT THE SIGNAL FACE ON THE WOOD POLE WITH BACKPLATE.
   E. FAR INDICATION SHALL BE MAINTAINED OVER CENTER OF TRAFFIC LANE.

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MINIMUM POLE LENGTHS	CLASS	MIN. BURIAL DEPTHS
25'	V	5'
30'	V	6'
35'	IV	7'
40'	IV	8'
45'	IV	9'

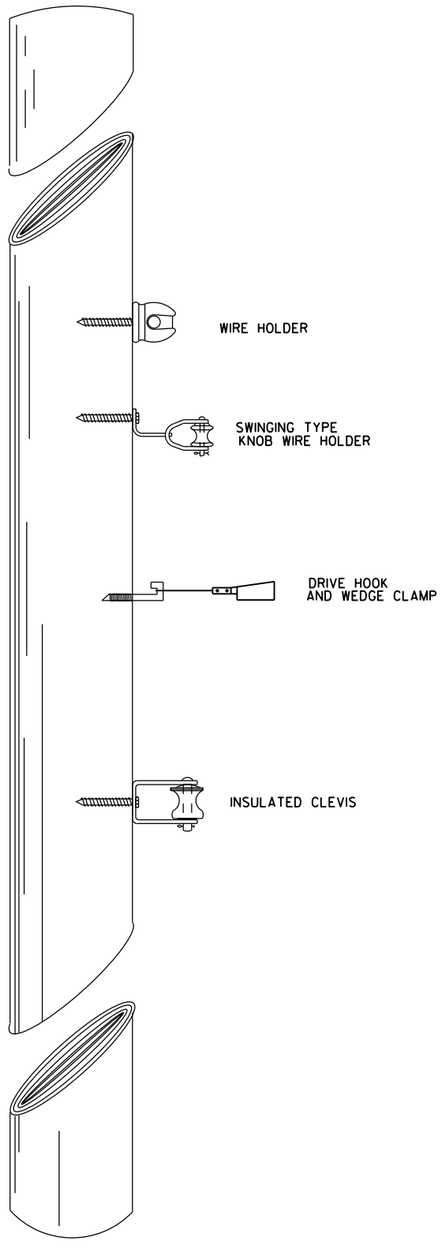
SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

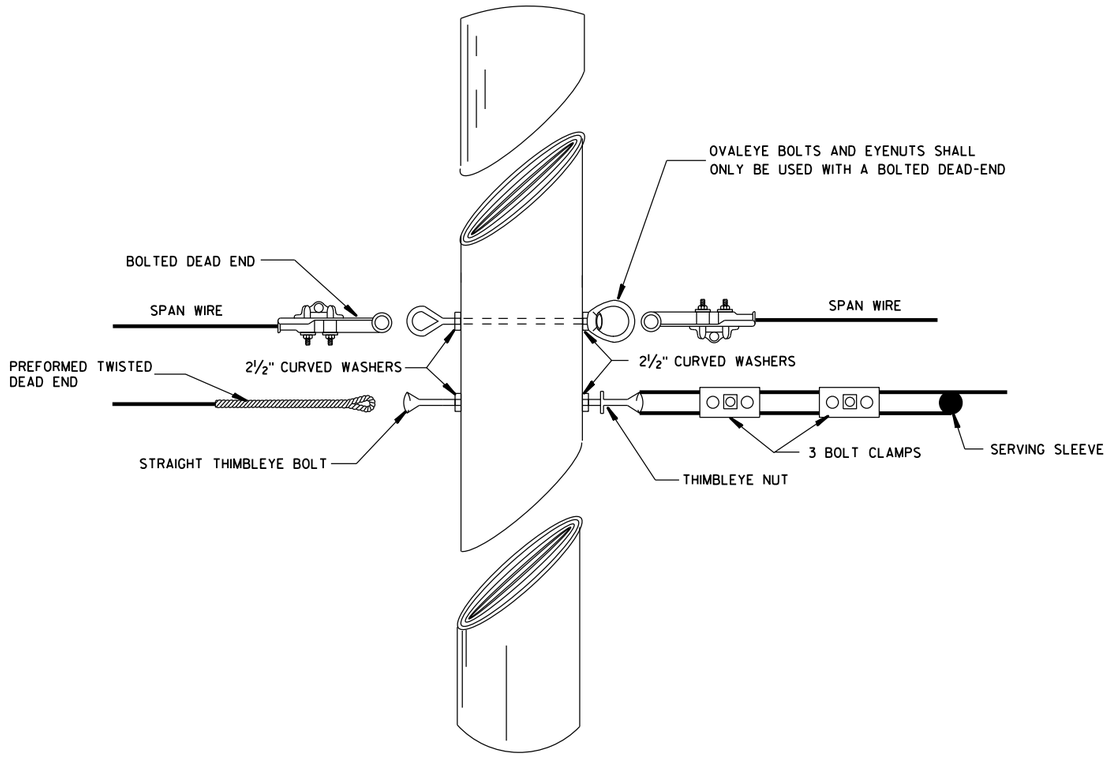
APPROVED
June. 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

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S.D.D. 9 G 1-4c



TYPICAL CABLE HANGERS



TYPICAL DEAD-ENDING

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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June, 2015
DATE

/S/ Ahmet Demirbilek
STATE ELECTRICAL

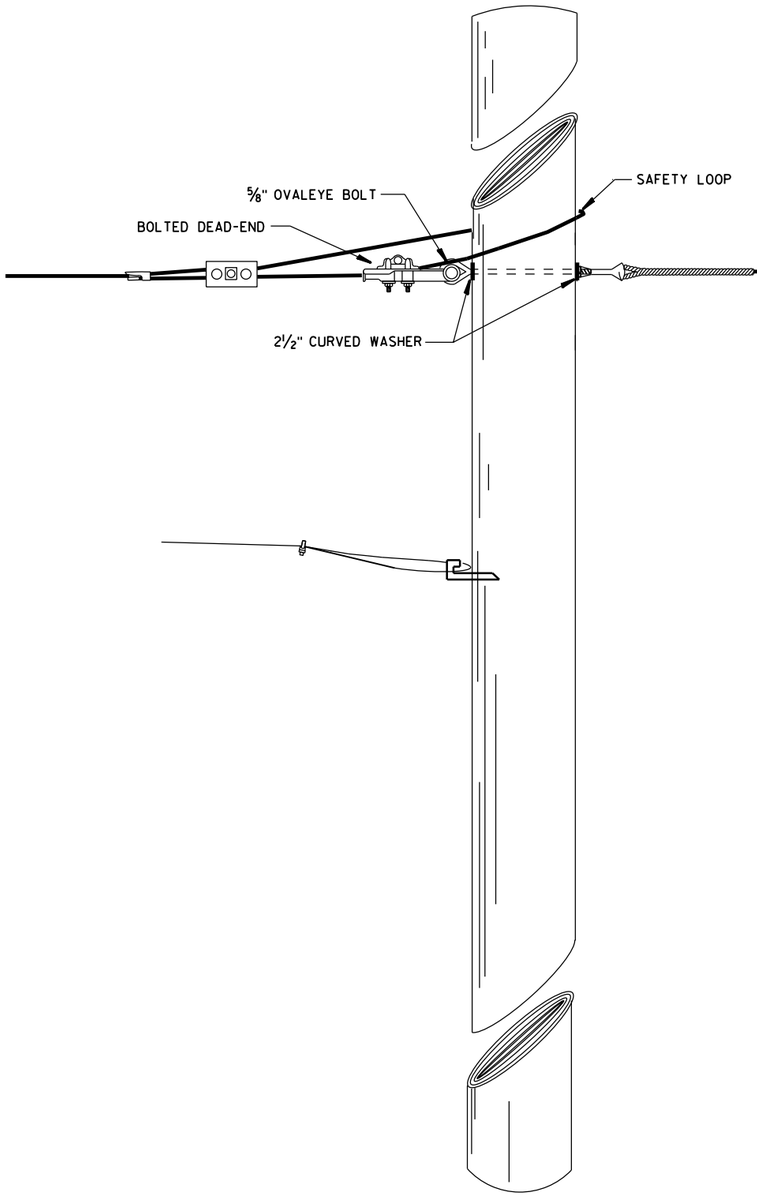
FHWA

6

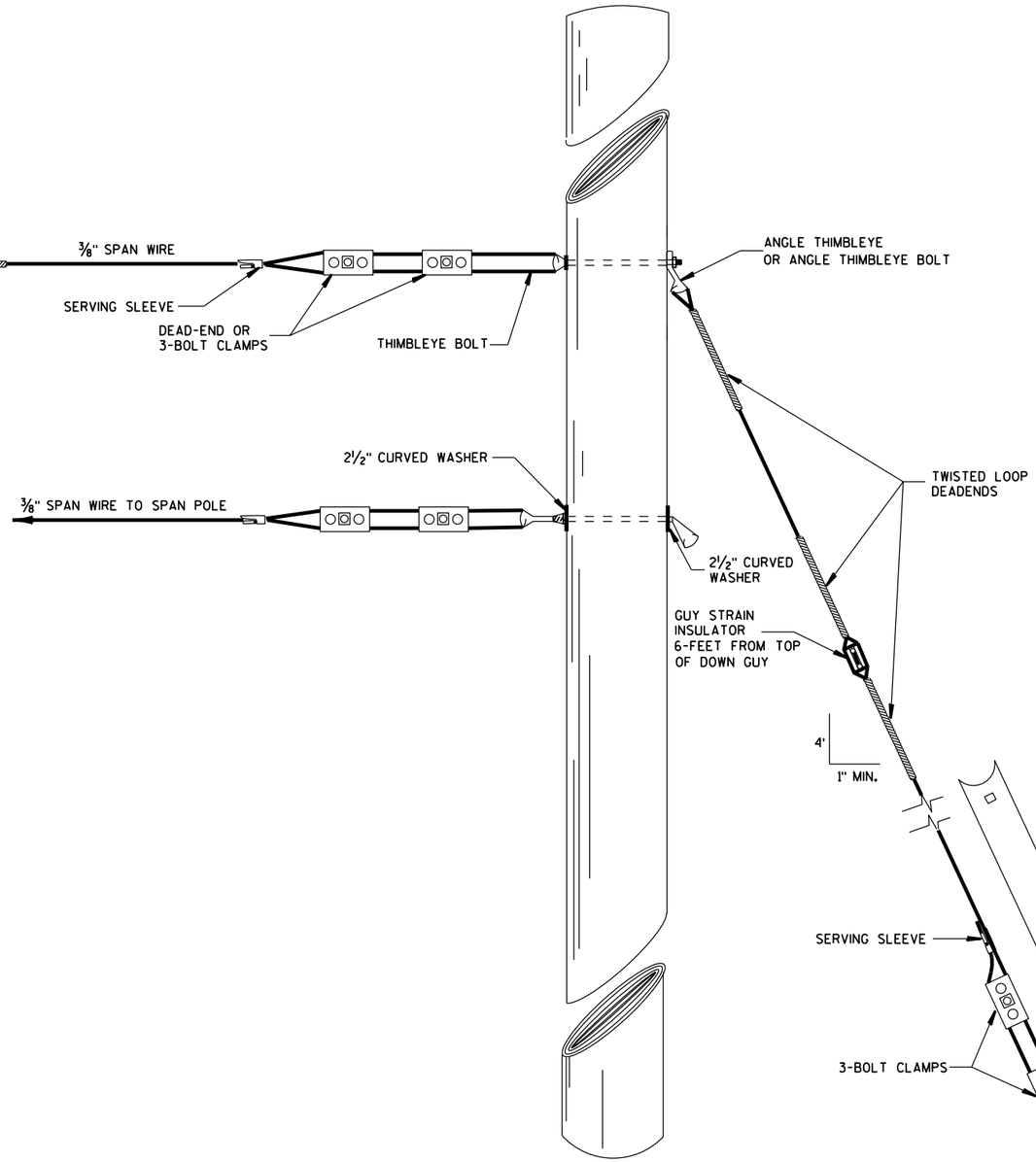
S.D.D. 9 G 1-4d

GENERAL NOTES

1. USE ¾" DRILL IN WOOD POLE TO PROVIDE HOLE FOR ⅝" BOLTS.
2. SAFTY LOOP REQUIRED ON EACH END OF ALL SPAN WIRES.



SPAN WIRE POLE



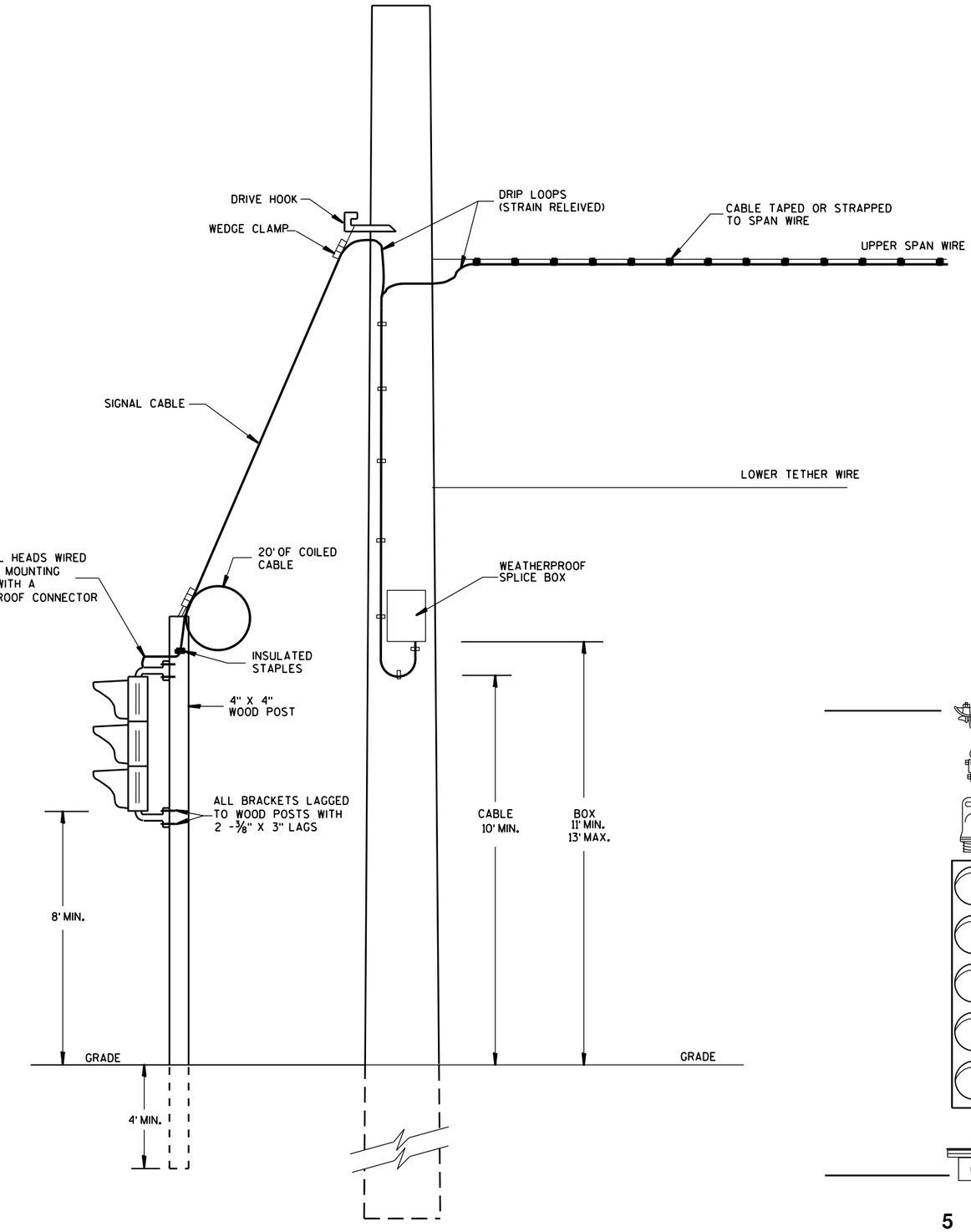
GUY POLE

TYPICAL DEAD-ENDINGS OR GUYING

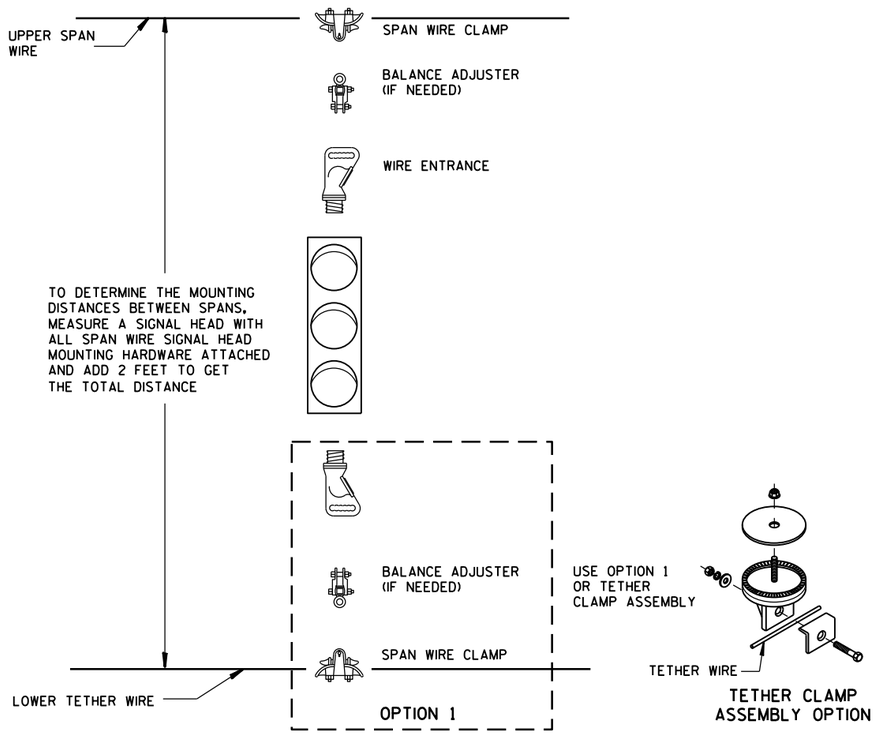
SPAN WIRE TEMPORARY TRAFFIC SIGNAL
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION
APPROVED June. 2015 DATE /S/ Ahmet Demirbilek STATE ELECTRICAL
FHWA

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S.D.D. 9 G 1-4e

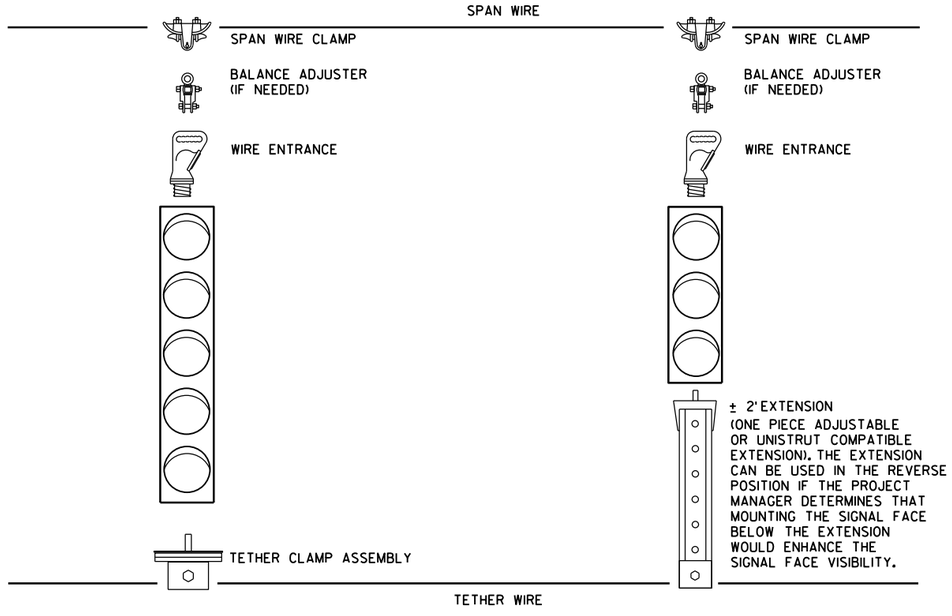


TYPICAL DROP TO TEMPORARY MOVEABLE SIGNAL



TETHER CLAMP ASSEMBLY OPTION

TYPICAL SPAN WIRE MOUNTING HARDWARE



5 SECTION VERTICAL WITH 3 SECTION VERTICAL ON ONE SPAN WIRE

SPAN WIRE TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

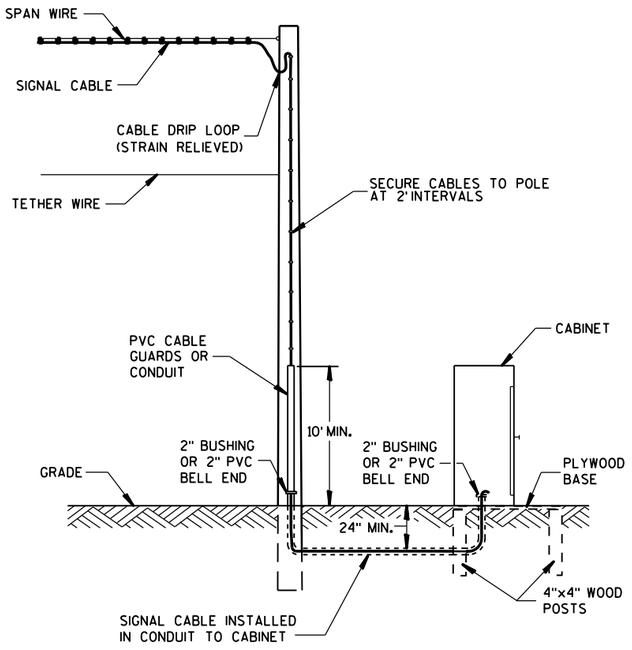
June. 2015 — DATE

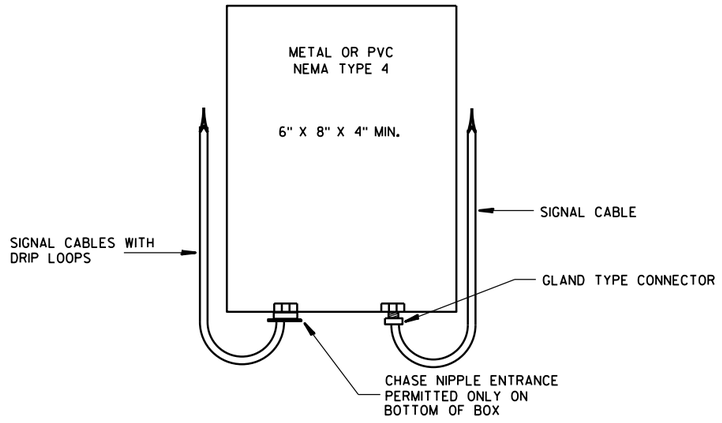
/S/ Ahmet Demirbilek — STATE ELECTRICAL

FHWA

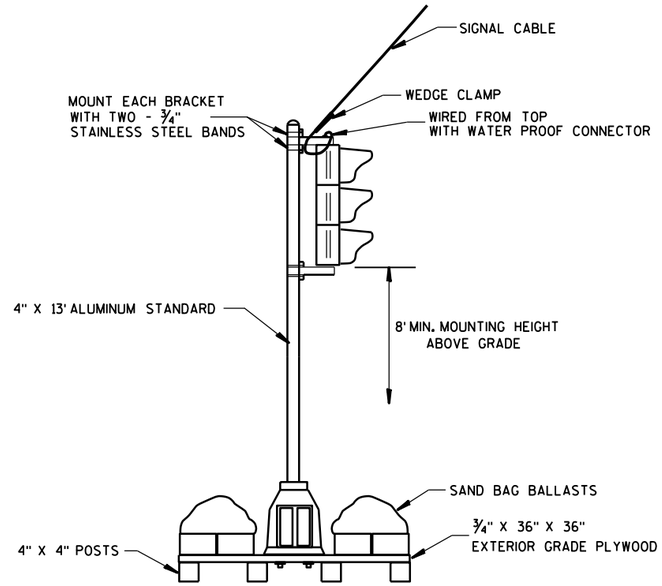
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S.D.D. 9 G 1-4f

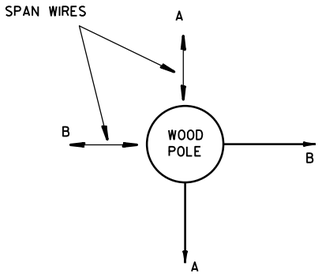




SPLICE BOX

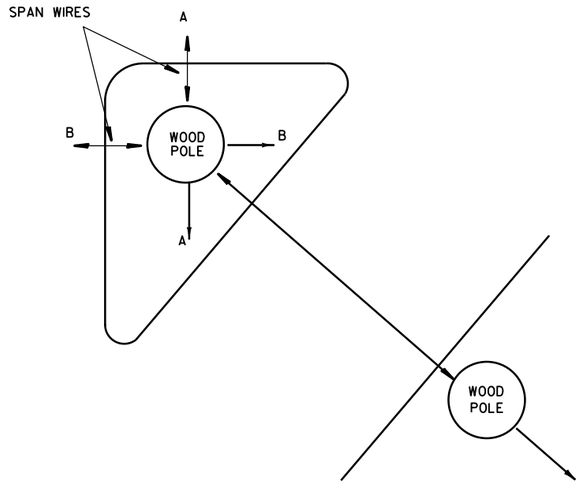


TYPICAL SKID TYPE TEMPORARY

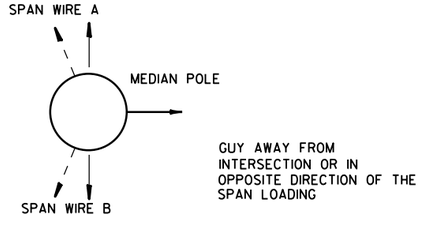


ALL DOWN OR SIDEWALK GUYS
SHALL BE INSTALLED IN THE
OPPOSITE DIRECTION OF THE
STRAIN OF THE SPAN WIRE

CORNER POLES



ISLAND POLES



GUY AWAY FROM
INTERSECTION OR IN
OPPOSITE DIRECTION OF THE
SPAN LOADING

MEDIAN POLES

SPAN WIRE
TEMPORARY TRAFFIC SIGNAL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June, 2015 — DATE
/S/ Ahmet Demirbilek — STATE ELECTRICAL
FHWA

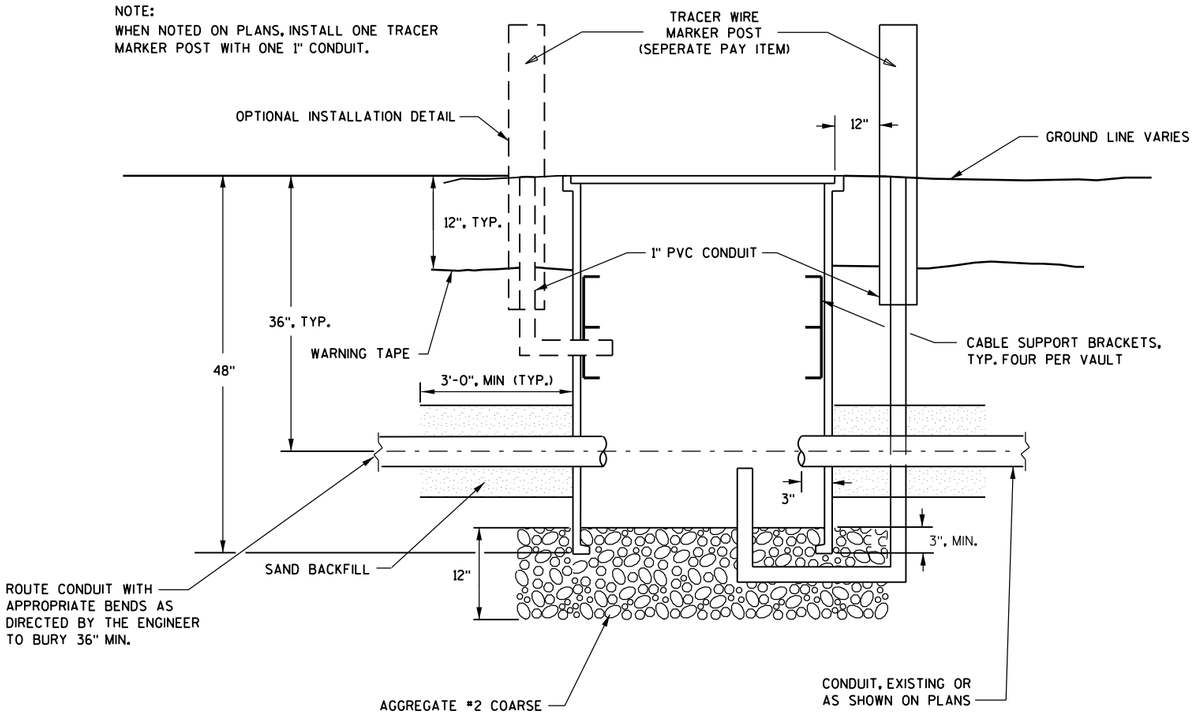
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S.D.D. 9 G 1-4g

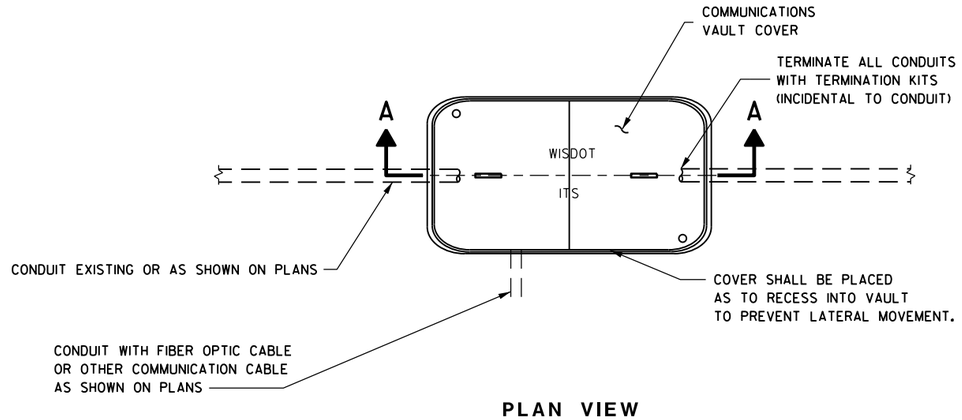
6

S.D.D. 9 G 1-4g

NOTE:
WHEN NOTED ON PLANS, INSTALL ONE TRACER MARKER POST WITH ONE 1" CONDUIT.



SECTION A-A



PLAN VIEW

GENERAL NOTES

PROVIDE VAULT WITH OPEN BASE.

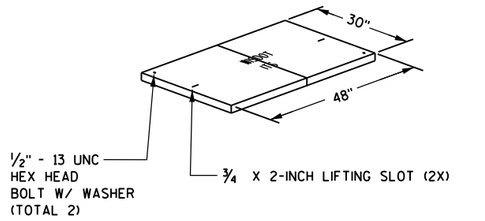
COVER SHALL HAVE A MINIMUM DESIGN LOAD OF 15,000 LBS AND SHALL LOCK.

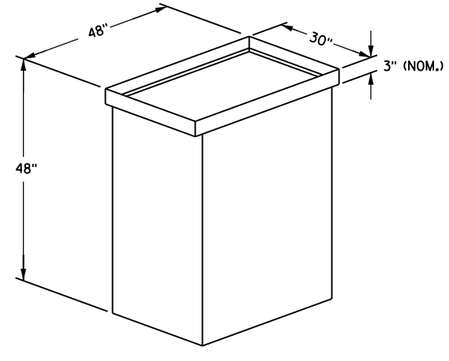
ALL OPENINGS IN STRUCTURE MUST BE MACHINED AT TIME OF FABRICATION, OR PUNCH DRIVEN AT TIME OF PLACEMENT.

VAULTS SHALL BE OF ONE-PIECE CONSTRUCTION. TWO-PIECE/STACKABLE VAULTS WILL NOT BE PERMITTED.

FIELD PLACEMENT OF COMMUNICATIONS VAULTS SHALL BE AS DIRECTED BY THE ENGINEER.

FIBER TRACER MARKER POSTS SHALL BE CONSTRUCTED WITH HIGH-IMPACT PLASTIC MATERIAL WHICH IS FADE RESISTANT AND UV STABLE. ALL HARDWARE SHALL BE STAINLESS STEEL AND CONTAIN A MINIMUM OF FIVE STANDARD TERMINALS.





ISOMETRIC VIEW

COMMUNICATIONS VAULT TYPE 1

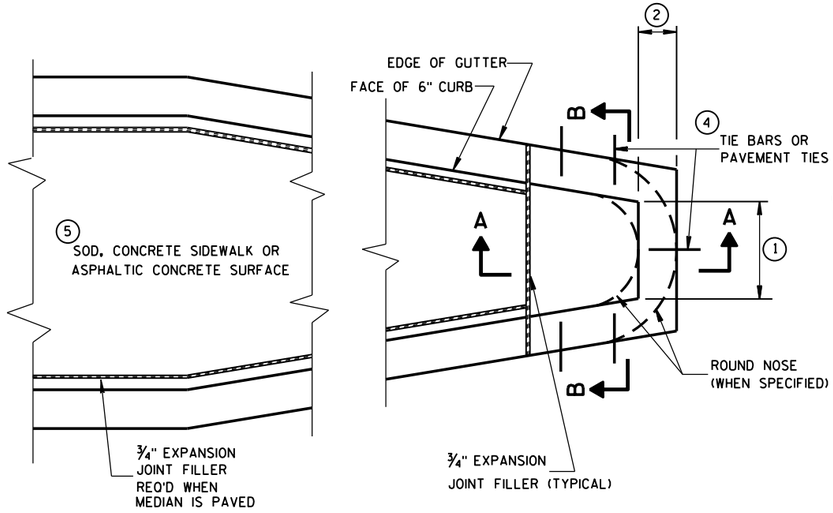
COMMUNICATION VAULT
TYPE 1

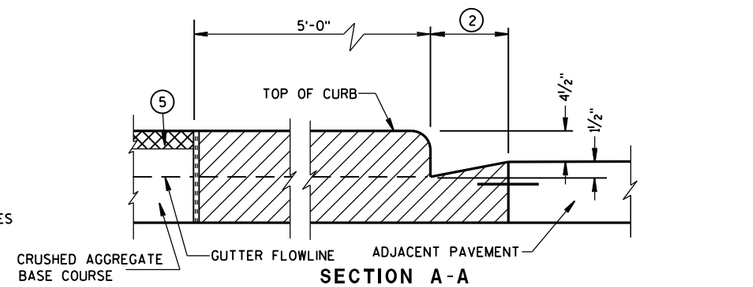
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May, 2017 — DATE
/S/Ahmet Demirbilek — STATE ELECTRICAL
FHWA

6

S.D.D. 9 H 9-2





CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

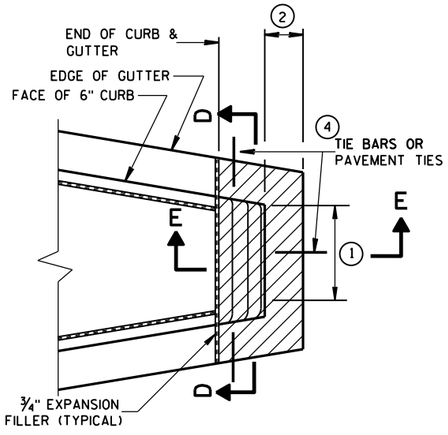
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

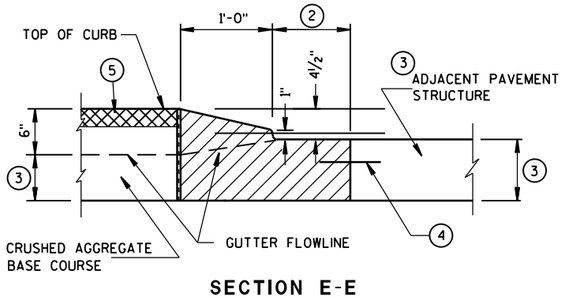
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

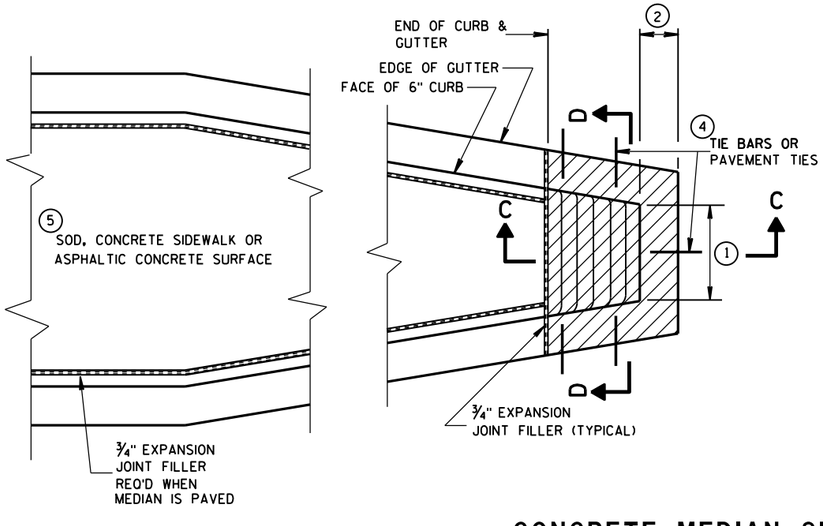
(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

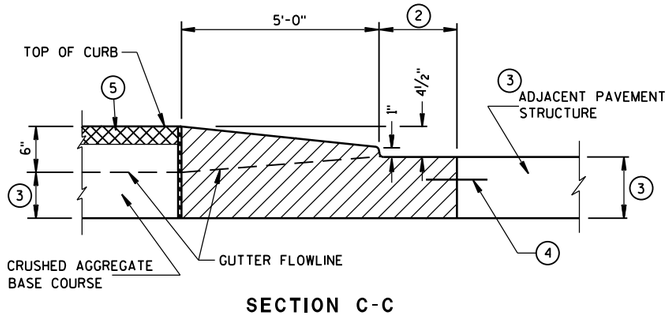




SECTION E-E

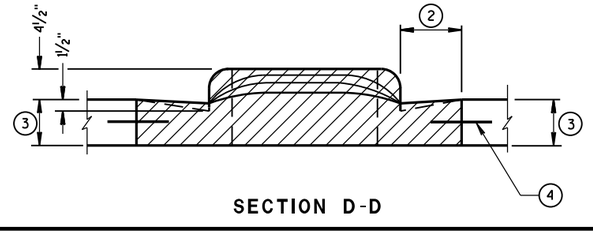
CONCRETE MEDIAN SLOPED NOSE TYPE 2





SECTION C-C

CONCRETE MEDIAN SLOPED NOSE TYPE 1



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

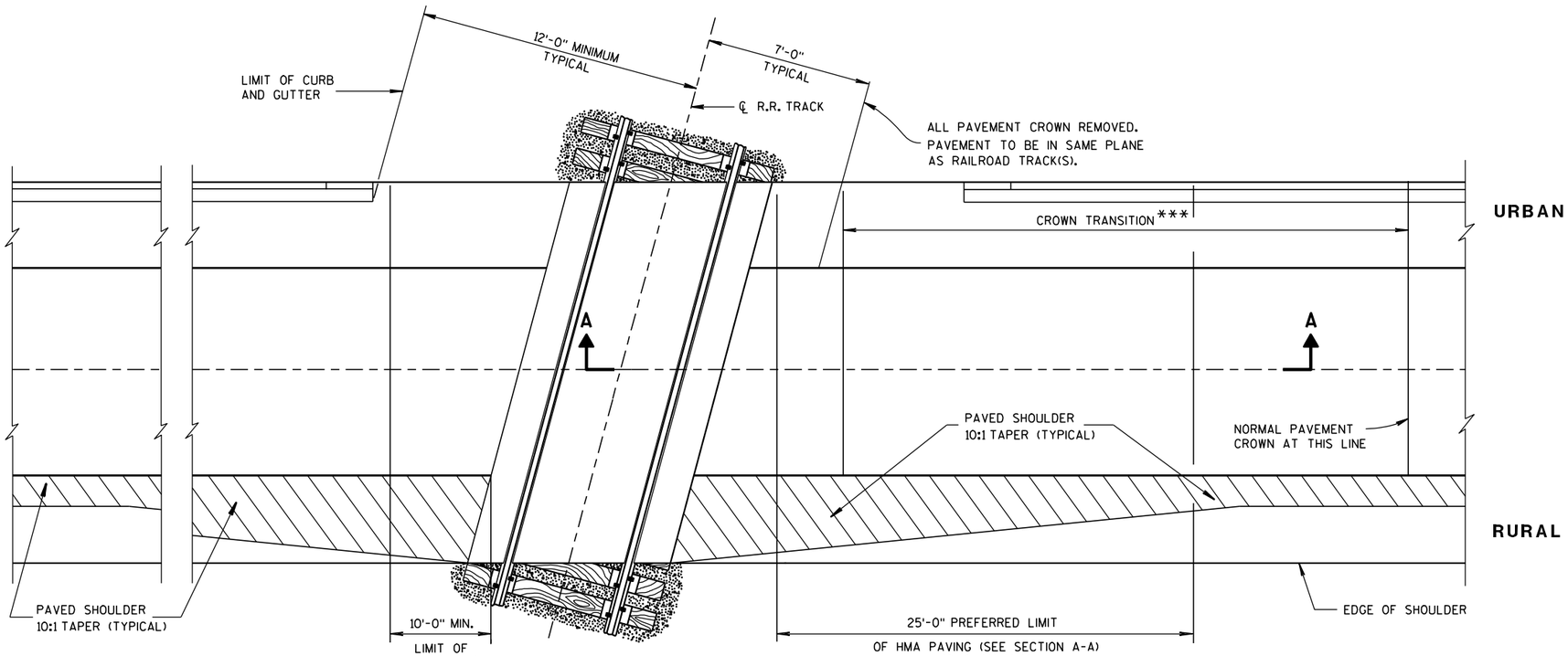
APPROVED
6/8/2006
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

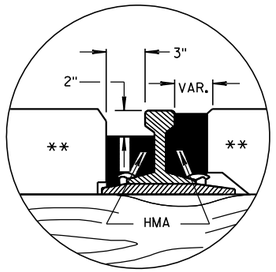
6

S.D.D. 11 B 2-2

6

S.D.D. 11 B 2-2





DETAIL B

HMA FLANGEWAY AND FIELD FILLERS

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TIMBER, CONCRETE OR RUBBER CROSSING SURFACE MATERIAL, RAILS, TIES, BALLAST, GEOTEXTILE FABRIC AND CROSSING DRAINAGE SYSTEM BY OTHERS UNLESS OTHERWISE PROVIDED.

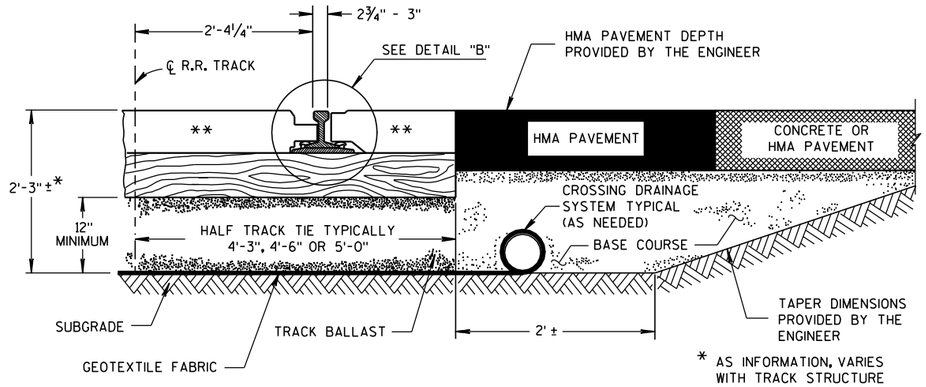
HMA PAVEMENT APPROACHES AND HMA PAVEMET CROSSING SURFACES TO BE PLACED BY CONTRACTOR UNLESS OTHERWISE PROVIDED.

HMA FLANGEWAY AND FIELD FILLERS TO BE PLACED AND THOROUGHLY HAND COMPACTED BY THE CONTRACTOR WHEN NOT PROVIDED BY OTHERS. SEE DETAIL B. HMA FILLERS NOT REQUIRED WHEN RUBBER FILLERS ARE PROVIDED.

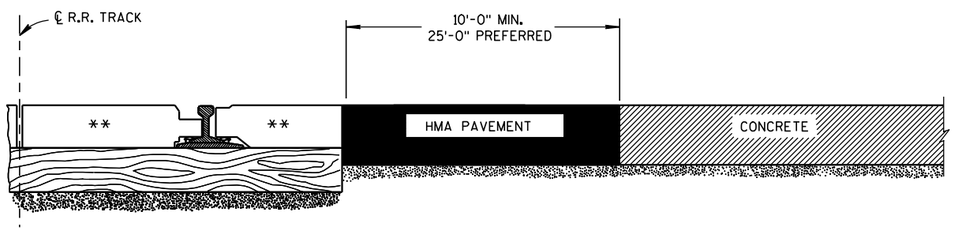
HMA PAVEMENT SHALL BE ROLLED PARALLEL TO THE TRACK.

** CROSSING SURFACE MAY BE TIMBER, RUBBER, CONCRETE, HMA PAVEMENT OR A COMBINATION OF SUCH MATERIALS.

*** CROWN TRANSITION LENGTH SHOWN ELSEWHERE IN THE PLAN.



TYPICAL HALF SECTION



SECTION A-A

CONCRETE PAVEMENT APPROACH



SECTION A-A

HMA PAVEMENT APPROACH

EXAMPLES OF PAVEMENT APPROACHES

PAVEMENT DETAILS FOR RAILROAD APPROACH

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

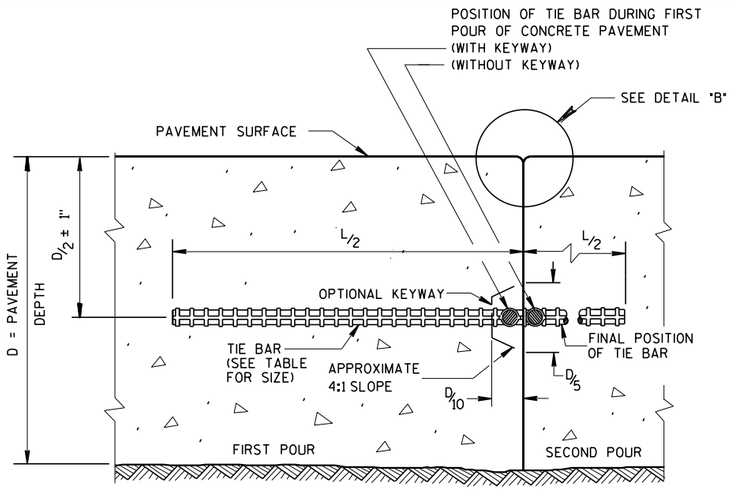
APPROVED
8-28-09 DATE
/S/ Ronald E. Adams
CHIEF, RAILROADS & HAI 618 CTION
FHWA

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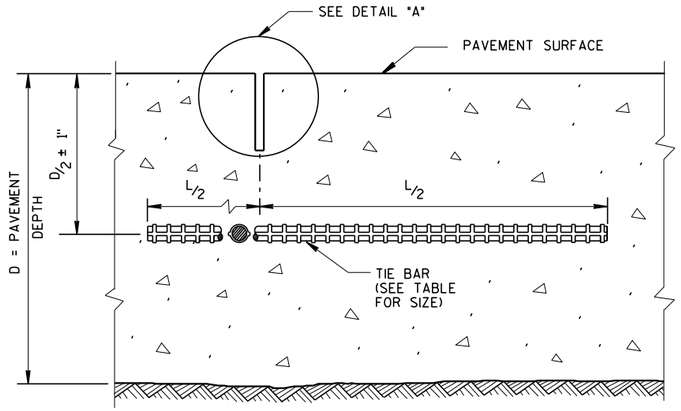
S.D.D. 13 B 1-10

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S.D.D. 13 B 1-10



CONSTRUCTION JOINT



SAWED JOINT

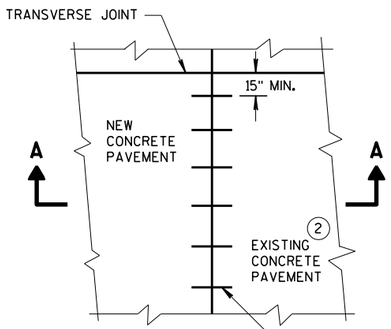
GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

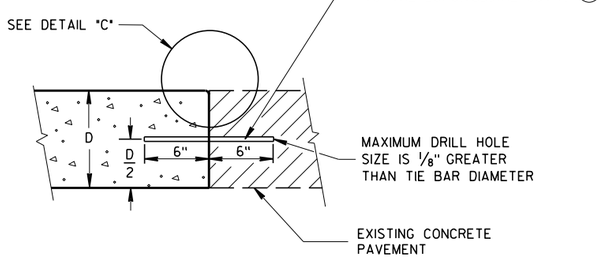
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.

(2) PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

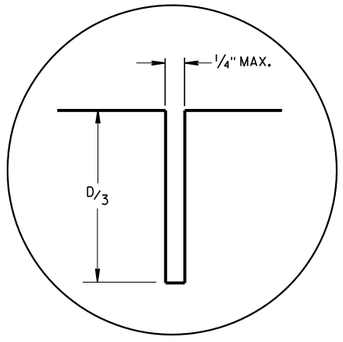


PLAN VIEW

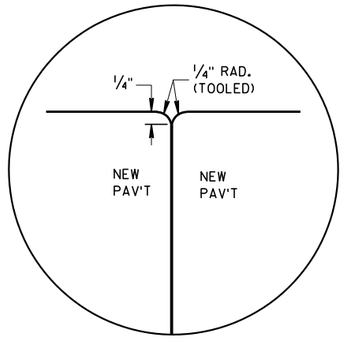


SECTION A-A

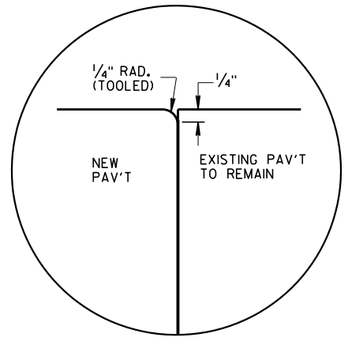
LONGITUDINAL CONSTRUCTION JOINT TIE BARS ANCHORED INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



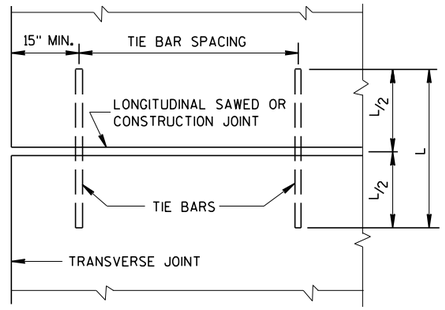
DETAIL "C"

TIE BAR TABLE

PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINUMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.



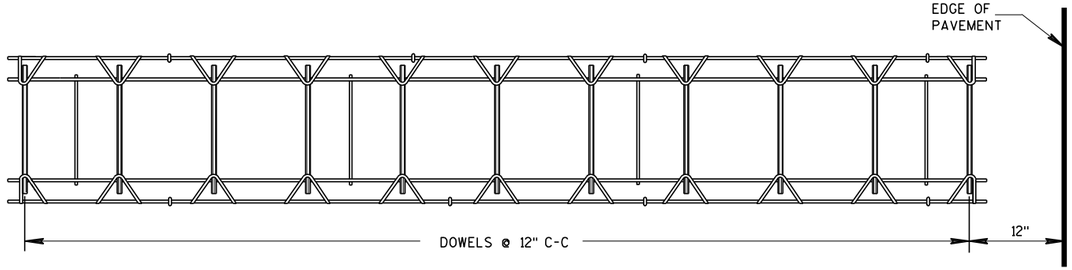
PLAN VIEW
SHOWING LOCATION OF TIE BARS

CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Peter Kemp, P.E. — PAVEMENT SUPE
FHWA

6
S.D.D. 13 C 1-19



PLAN VIEW



SIDE VIEW

CONTRACTION JOINT DOWEL ASSEMBLY ①

PAVEMENT DEPTH, DOWEL BAR SIZE AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 ½", 6", 6 ½"	NONE	12'
7", 7 ½"	1"	14'
8", 8 ½"	1 ¼"	15'
9", 9 ½"	1 ¼"	15'
10" & ABOVE	1 ½"	15'

GENERAL NOTES

CONTRACTION JOINTS

CONSTRUCT TRANSVERSE CONTRACTION JOINTS NORMAL TO THE CENTERLINE. SHOW THE LOCATION OF CONTRACTION JOINTS THROUGH INTERSECTIONS ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

FOR PAVEMENT SLABS OF VARYING WIDTHS, LOCATE THE OUTER MOST DOWEL BAR SO THAT THE CENTER OF THE BAR IS A MINIMUM OF 6 INCHES AND A MAXIMUM OF 18 INCHES FROM THE LONGITUDINAL JOINT AND THE FREE EDGE OF PAVEMENT.

CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

① OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.

② SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.

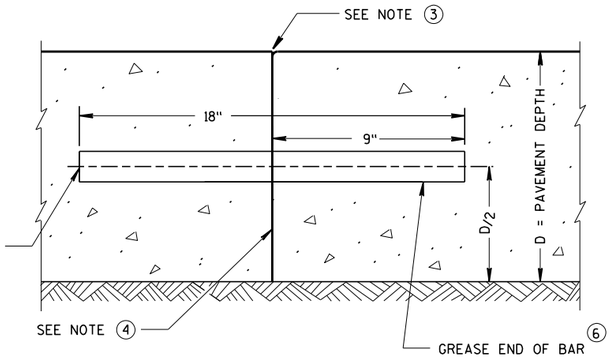
③ FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A ¼-INCH RADIUS AT FORMED JOINTS.

④ PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.

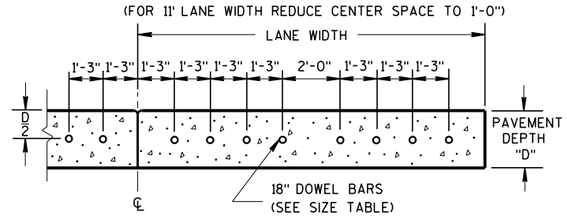
⑤ INSTALL DOWEL BARS AT CONSTRUCTION JOINTS BY FORMING OR DRILLING. INSTALL FORMED DOWEL BARS 12 INCHES C-C AND 12 INCHES FROM PAVEMENT EDGE. REMOVE EXCESS CONCRETE FROM THE FREE END OF THE DOWEL BAR IF DOWEL BARS ARE FORMED THROUGH A HEADER BOARD. INSTALL DRILLED DOWEL BARS ACCORDING TO *DRILLED DOWEL BAR CONSTRUCTION JOINT* DETAIL.

⑥ APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.

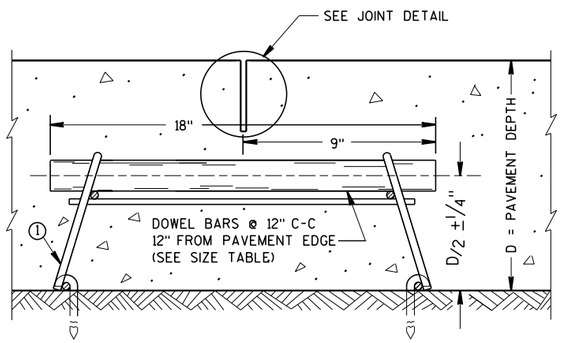
⑦ ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS ⅛-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



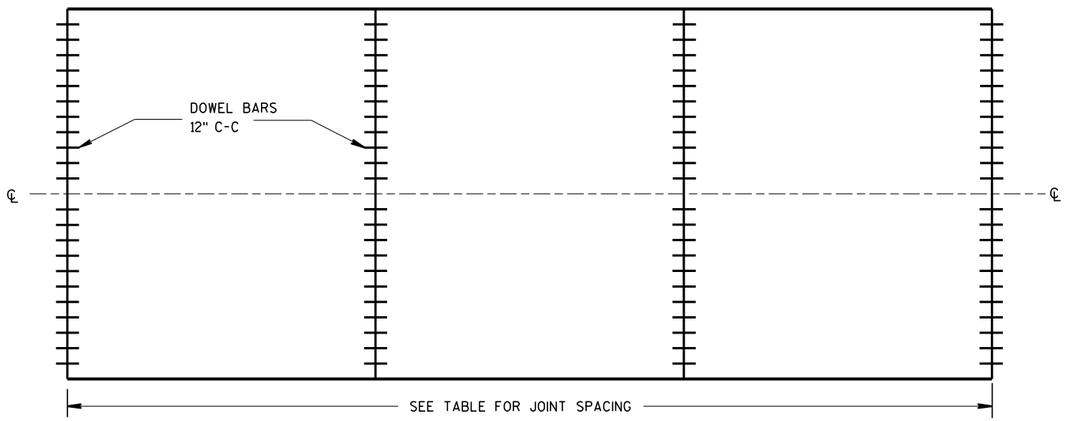
TRANSVERSE CONSTRUCTION JOINT



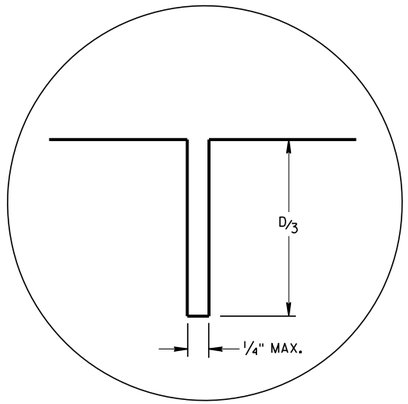
DRILLED DOWEL BAR CONSTRUCTION JOINT ⑦



DOWELED CONTRACTION JOINT



CONTRACTION JOINT LOCATIONS



JOINT DETAIL

URBAN DOWELED CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

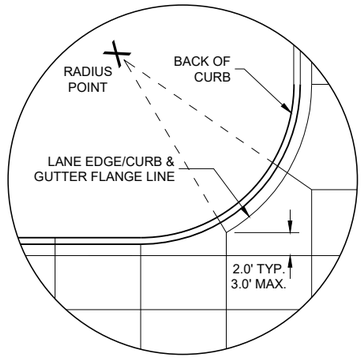
APPROVED
March 2018 — DATE
/S/ Peter Kemp P.E. — PAVEMENT SUP
620
FHWA

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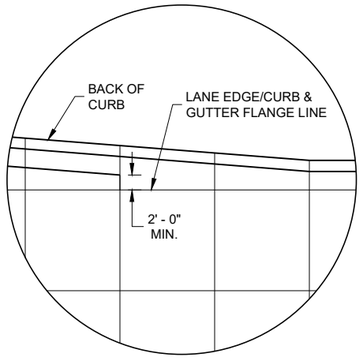
S.D.D. 13 C 13-9

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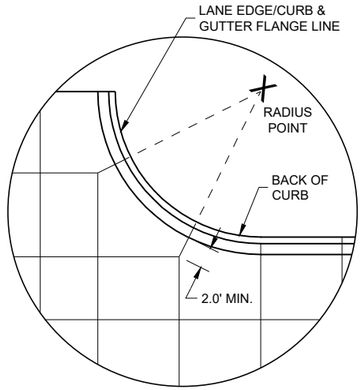
S.D.D. 13 C 13-9



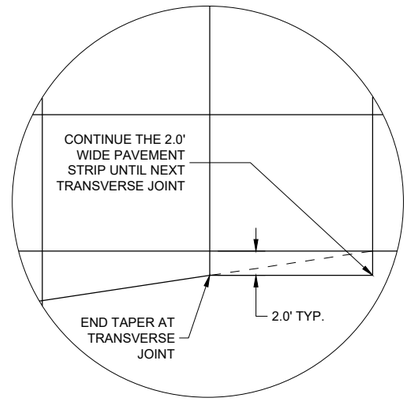
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"

GENERAL NOTES

THE PRIMARY ROADWAY CONTROLS THE TRANSVERSE JOINT PATTERN.

ALIGN NEW JOINTS WITH EXISTING JOINTS OR CRACKS.

CONSTRUCT TRANSVERSE JOINTS PERPENDICULAR TO THE ROADWAY.

ADJUST TRANSVERSE JOINTS TO ALIGN WITH UTILITY FIXTURES (E.G MANHOLES AND INLETS) IN THE PAVEMENT STRUCTURE WHEN POSSIBLE. WATER VALVES DO NOT REQUIRE JOINT ADJUSTMENT.

AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

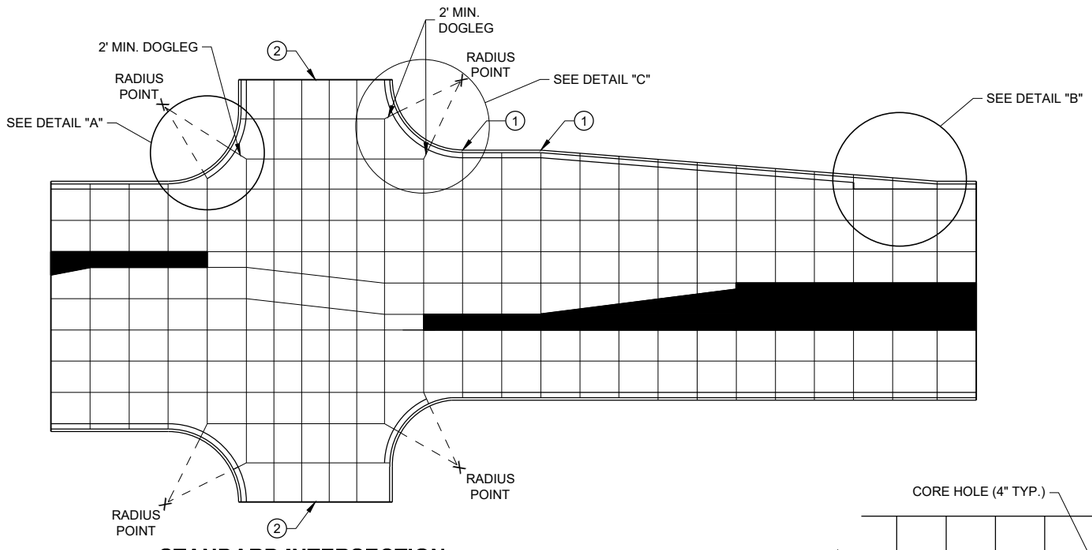
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

(1) PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.

(2) CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITHEDGE OF RADIUS.

(3) THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.

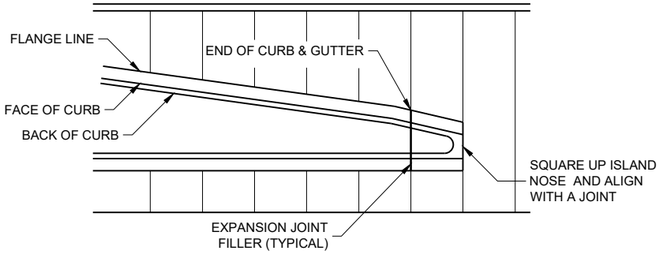


STANDARD INTERSECTION

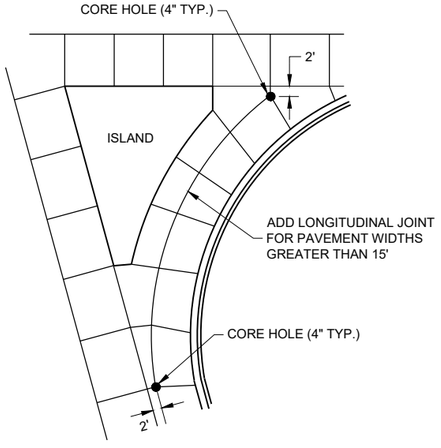
PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 ½"	12'
7", 7 ½"	14'
8" & ABOVE	15'

SKEWED INTERSECTION



APPROACH TO MEDIAN



LARGE RIGHT TURN

CONCRETE PAVEMENT JOINTING

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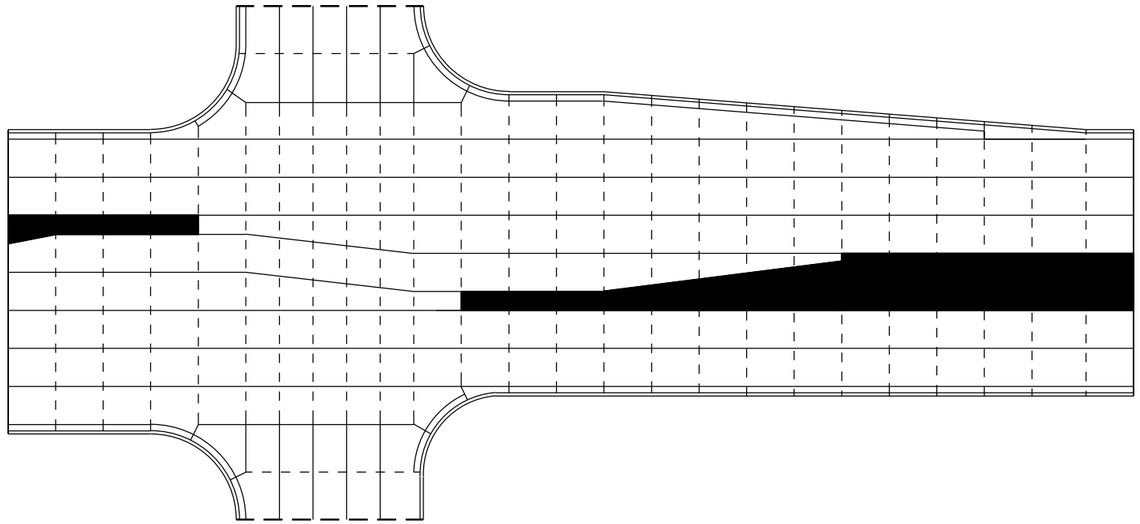
SDD 13C18 - 07a

LEGEND

POTENTIAL DOWELED EXPANSION JOINT

DOWELED JOINT

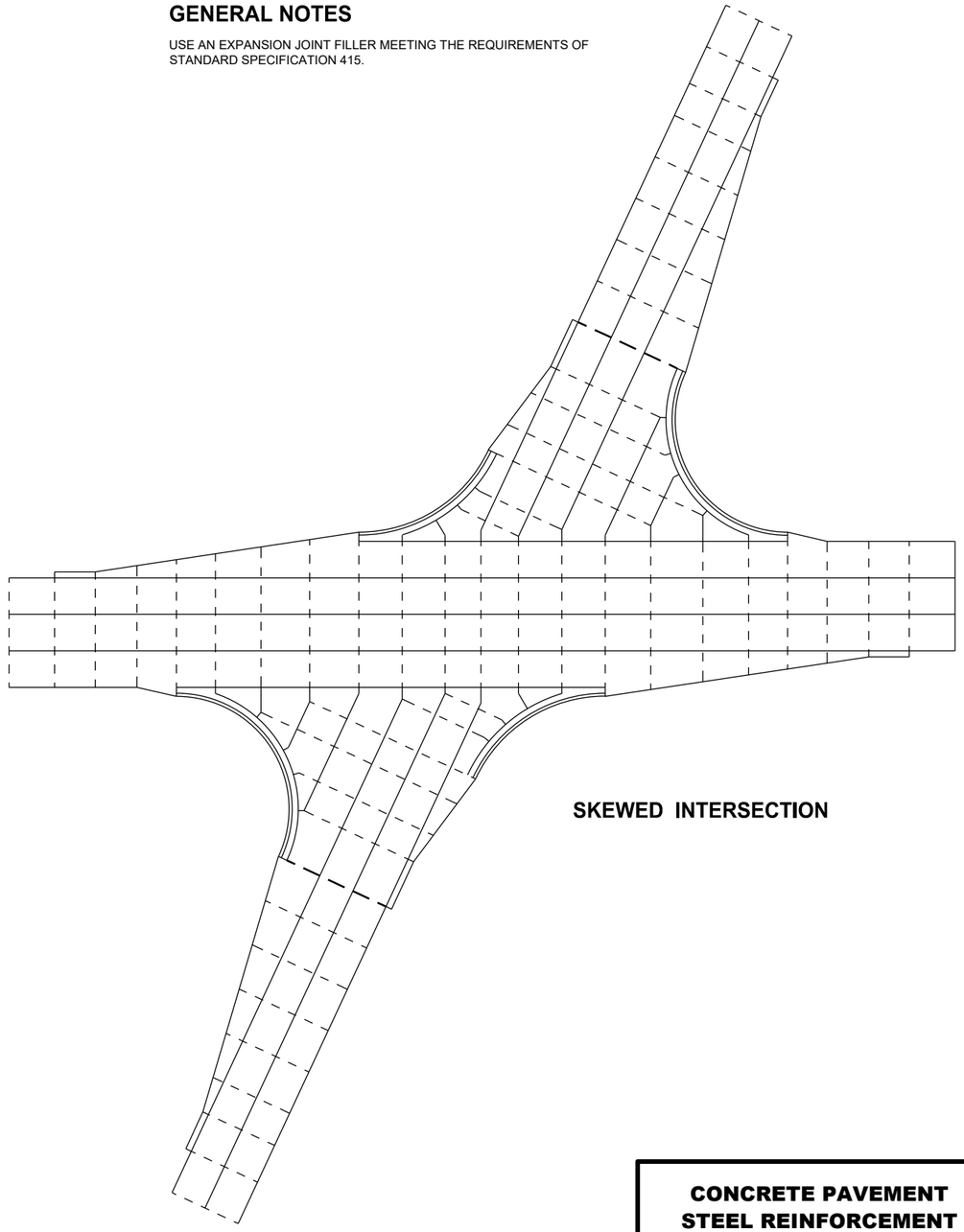
TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.



SKEWED INTERSECTION

6

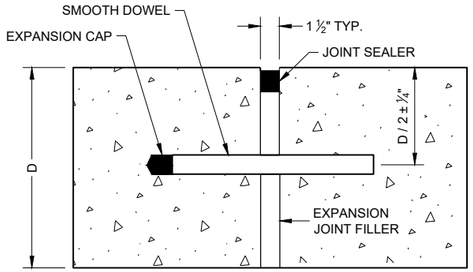
SDD 13C18 - 07b

CONCRETE PAVEMENT STEEL REINFORCEMENT

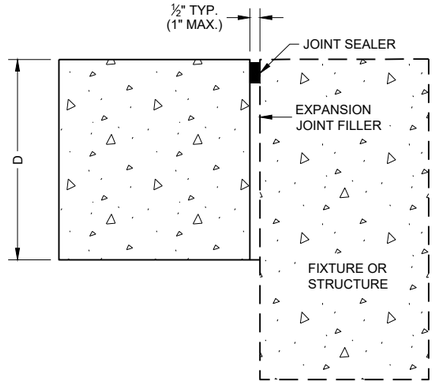
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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SDD 13C18 - 07b



DOWELED TRANSVERSE (1)



UNTIED - LONGITUDINAL

EXPANSION JOINTS

TIE BAR TABLE

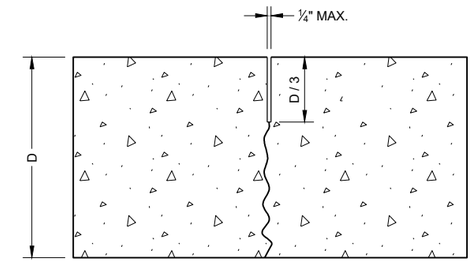
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 ½"	NO. 4	30"	36"
≥ 10 ½"	NO. 5	36"	36"
	NO. 4*	30"	24"**

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

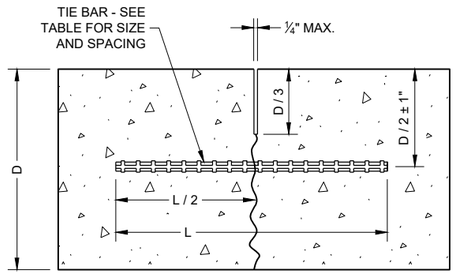
** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

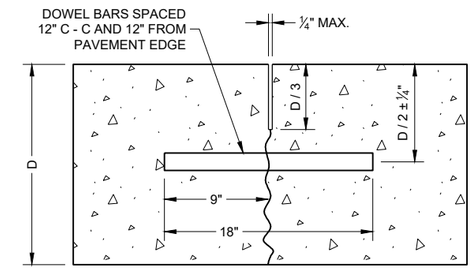
1. USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATETHE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
2. SPACE CONTRACTION JOINTS IN ACCORDANCE WITH SDD 13C4, 13C11 OR 13C13.
3. LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
4. CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
5. IF JOINT IS FORMED, PROVIDE A ¼" RADIUS.
6. ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



UNDOWELED TRANSVERSE

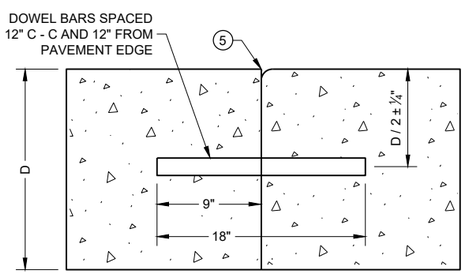


TIED LONGITUDINAL

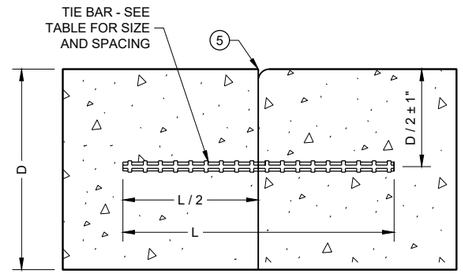


DOWELED TRANSVERSE

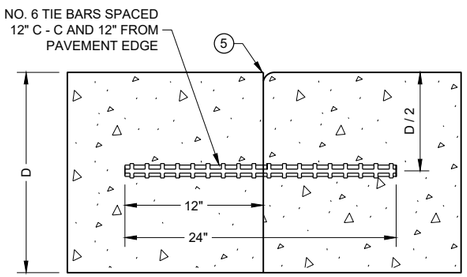
CONTRACTION JOINTS (2)



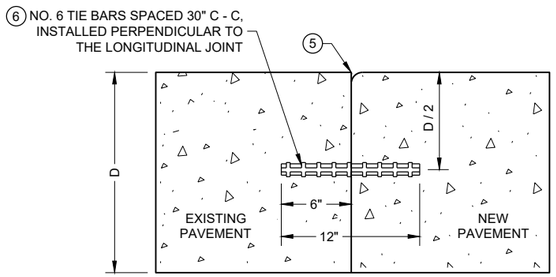
DOWELED TRANSVERSE (3)



TIED LONGITUDINAL



TIED TRANSVERSE (3)
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



TIED LONGITUDINAL TO EXISTING

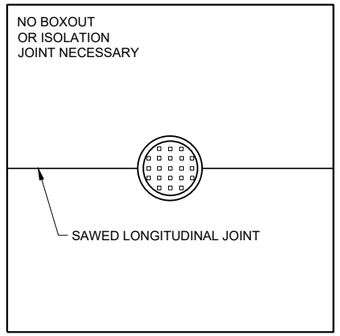
CONSTRUCTION JOINTS (4)

CONCRETE PAVEMENT JOINT TYPES

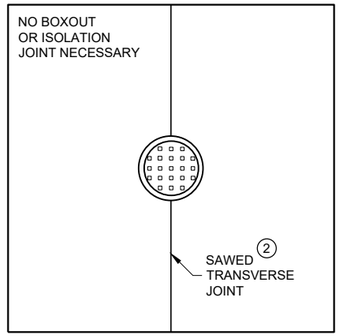
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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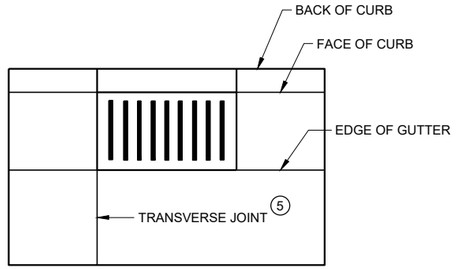
SDD 13C18 - 07c
SDD 13C18 - 07c



MANHOLE WITH LONGITUDINAL JOINT



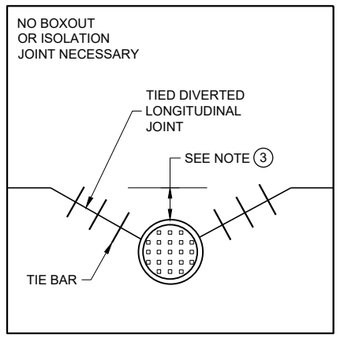
MANHOLE WITH TRANSVERSE JOINT



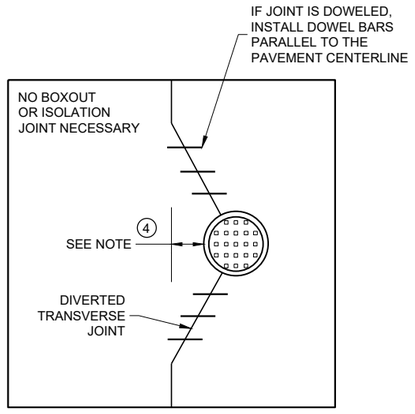
INLET WITH TRANSVERSE JOINT

GENERAL NOTES

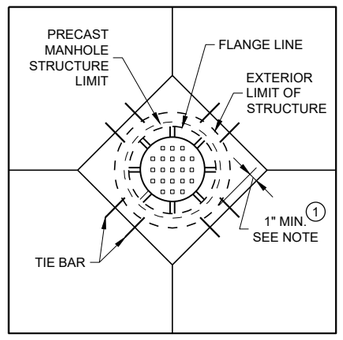
1. USE BOXOUTS WHEN UTILITY STRUCTURE IS IN THE PATH OF CONSTRUCTION JOINTS. PROVIDE A 1 FOOT MINIMUM CLEARANCE BETWEEN THE EXTERIOR LIMIT OF THE STRUCTURE TO THE DIAMOND BOXOUT.
2. ADJUST TRANSVERSE JOINT TO INTERSECT MANHOLE IF POSSIBLE.
3. IF DISTANCE BETWEEN THE LONGITUDINAL JOINT AND THE EDGE OF MANHOLE IS 2 FEET OR LESS, DIVERT THE LONGITUDINAL JOINT AT A 2:1 TAPER RATE TO THE CENTER OF THE MANHOLE. IF THE DISTANCE IS GREATER THAN 2 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
4. IF THE DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS LESS 4 FEET OR LESS, REDIRECT JOINT TO INTERSECT THE CENTER OF THE MANHOLE. IF DISTANCE IS GREATER THAN 4 FEET, DO NOT DIVERT THE JOINT AND SAW AS NORMAL. PLACE REINFORCEMENT REBAR AROUND THE MANHOLE.
5. ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.



MANHOLE WITH DIVERTED LONGITUDINAL CONTRACTION JOINT



MANHOLE WITH DIVERTED TRANSVERSE CONTRACTION JOINT



DIAGONAL MANHOLE BOXOUT FOR CONSTRUCTION JOINTS

CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Peter Kemp P.E.
PAVEMENT SUPERVIS

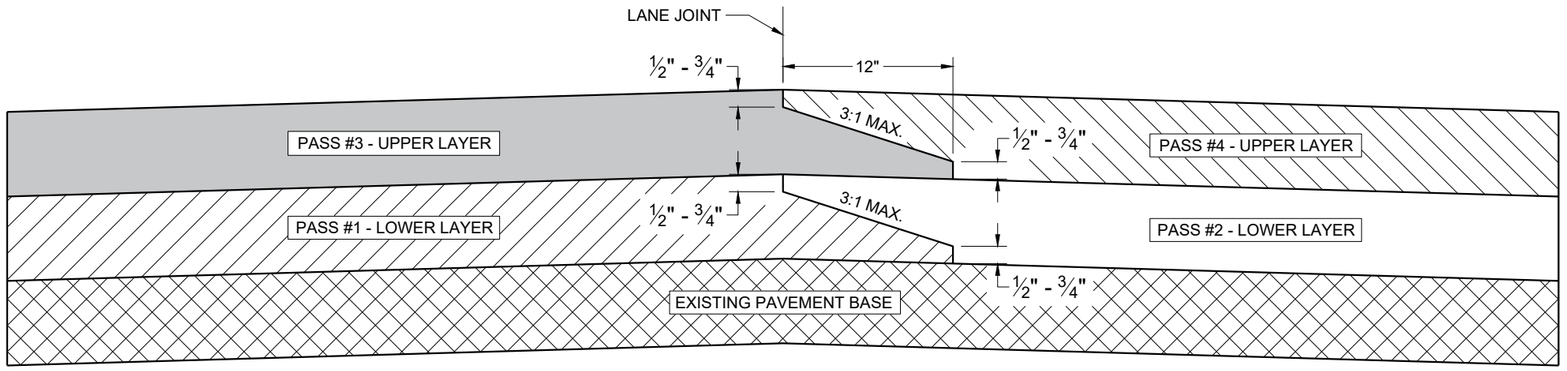
FHWA

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SDD 13C18 - 07d

GENERAL NOTES

CONFORM TO STANDARD SPECIFICATION 450.3.2.8



TYPICAL PAVEMENT CROSS SECTION
OF NOTCHED WEDGE LONGITUDINAL JOINTS

6

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SDD 13C19 - 01

SDD 13C19 - 01

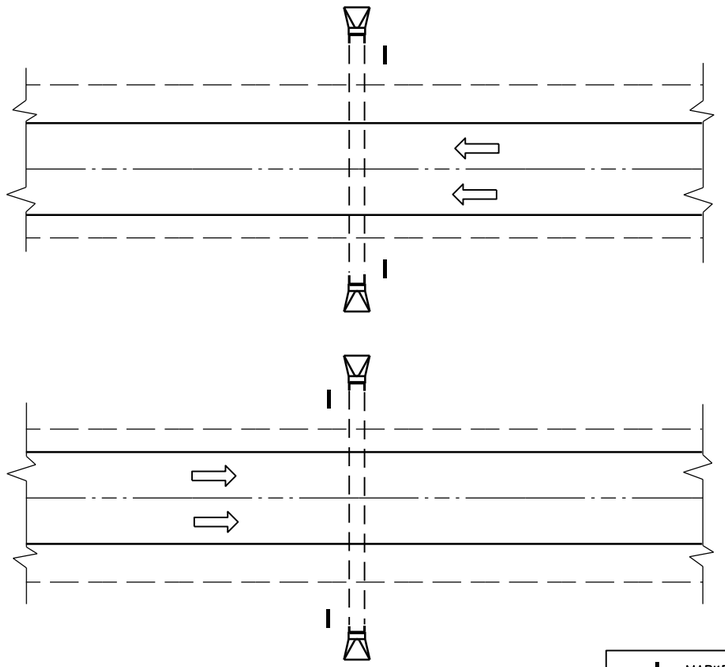
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2019
DATE

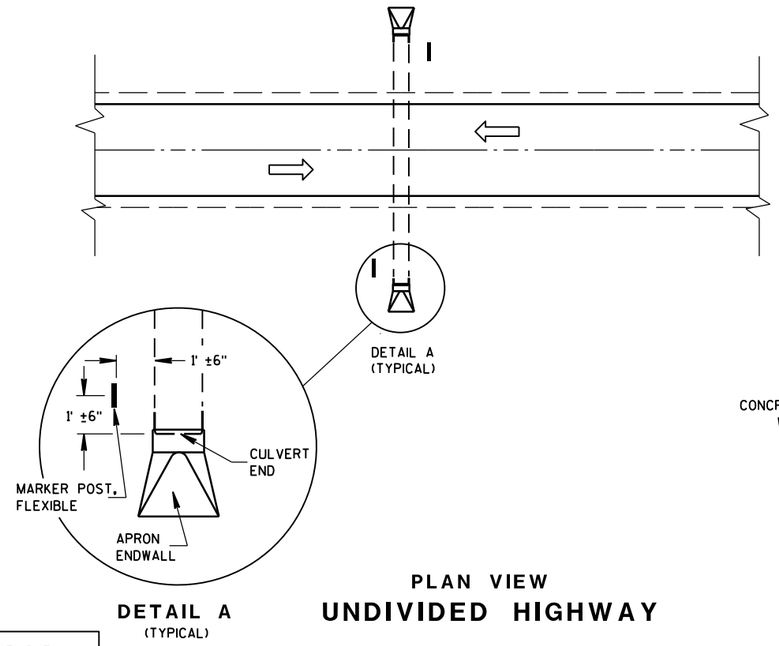
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

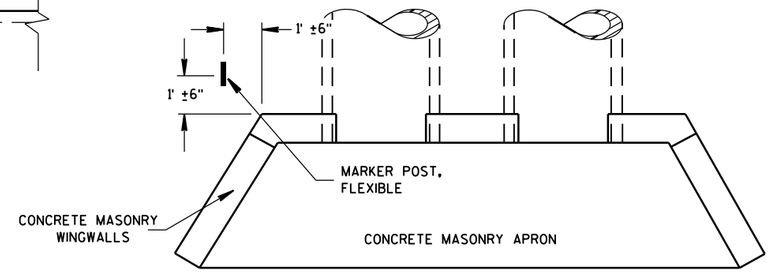
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

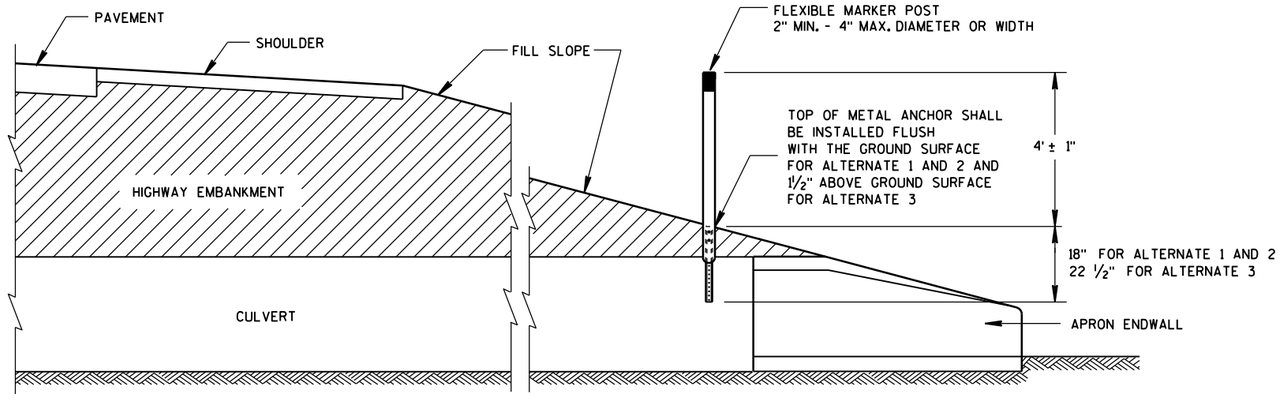
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

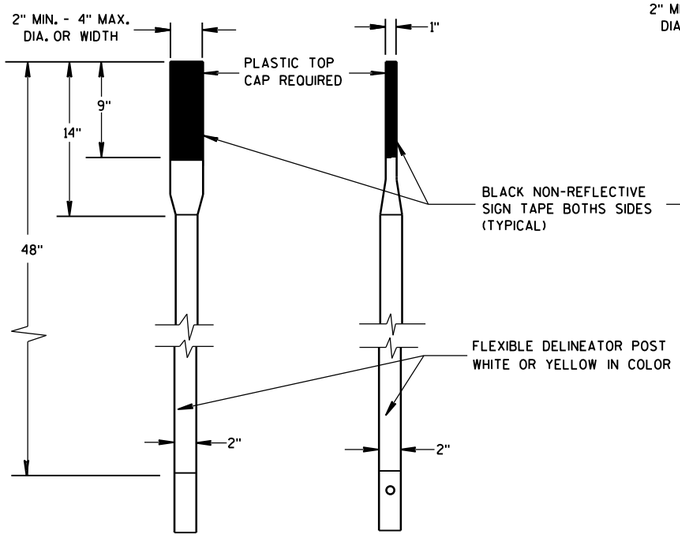
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

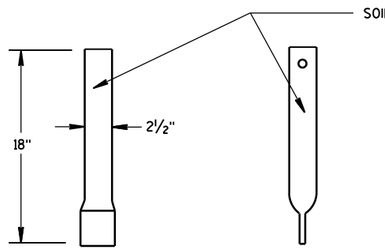
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S.D.D. 15 A 3-2a

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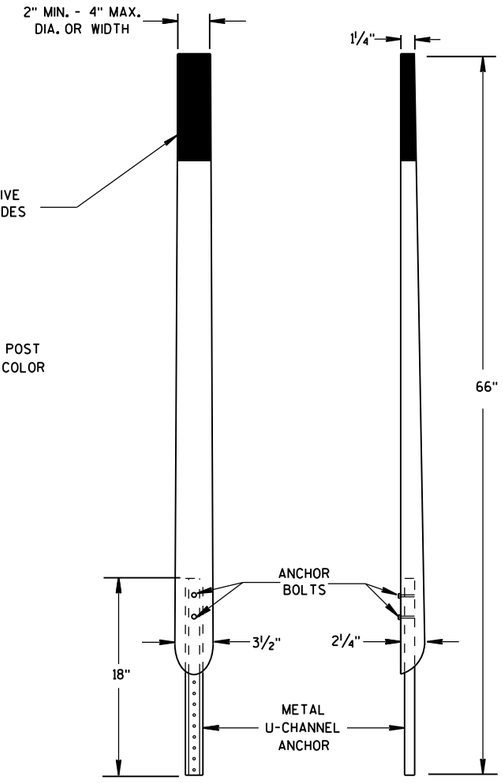
S.D.D. 15 A 3-2a





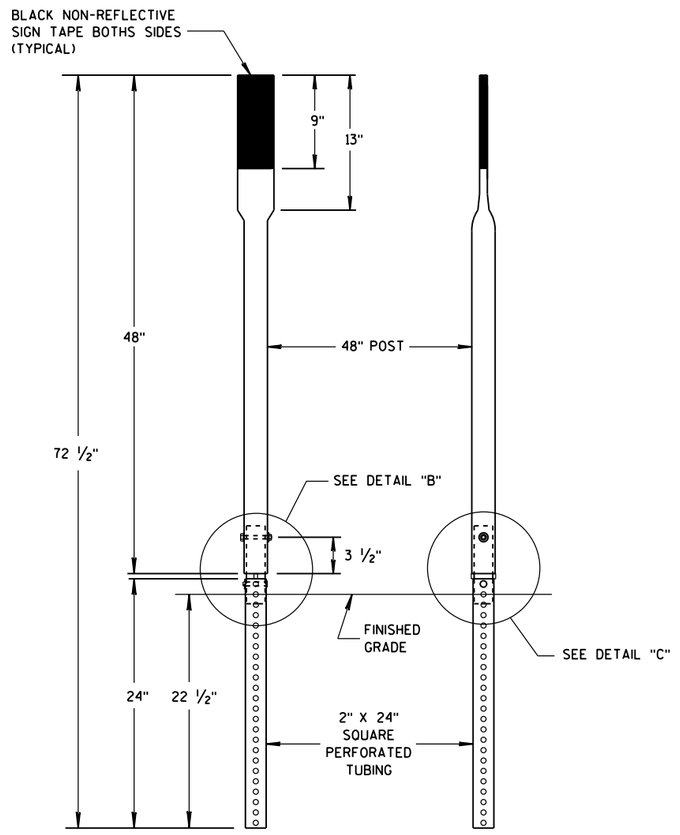
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

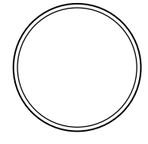
ALTERNATE 2



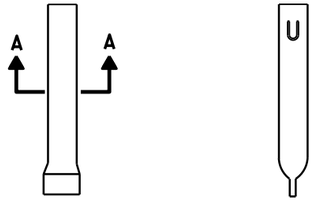
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POSTS

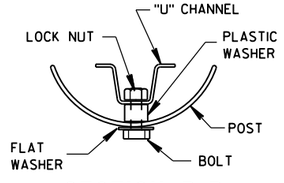


SECTION A-A

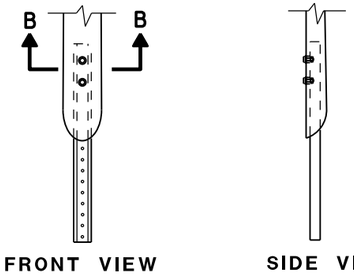


FRONT VIEW SIDE VIEW

ALTERNATE 1

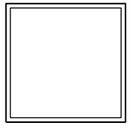


SECTION B-B

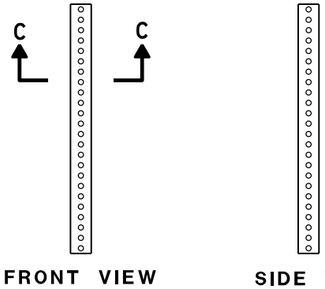


FRONT VIEW SIDE VIEW

ALTERNATE 2



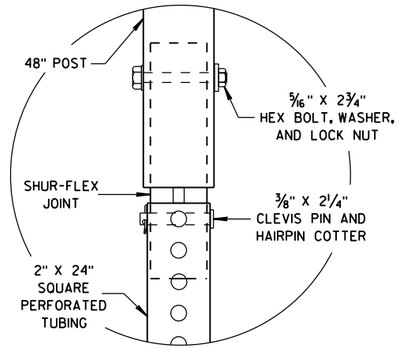
SECTION C-C



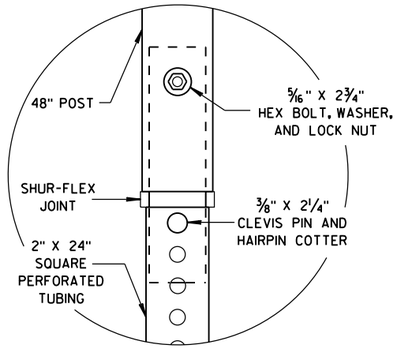
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

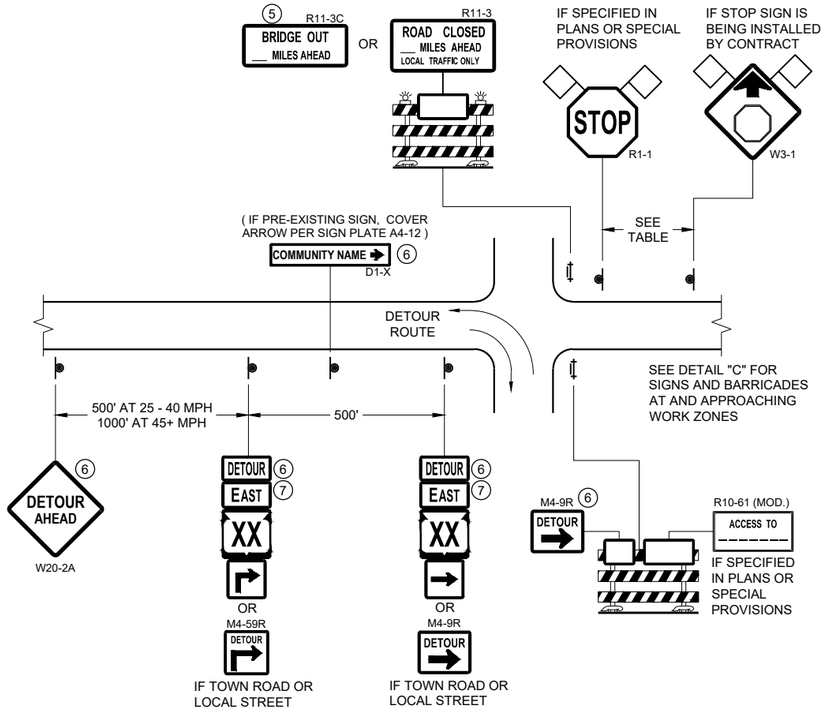
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

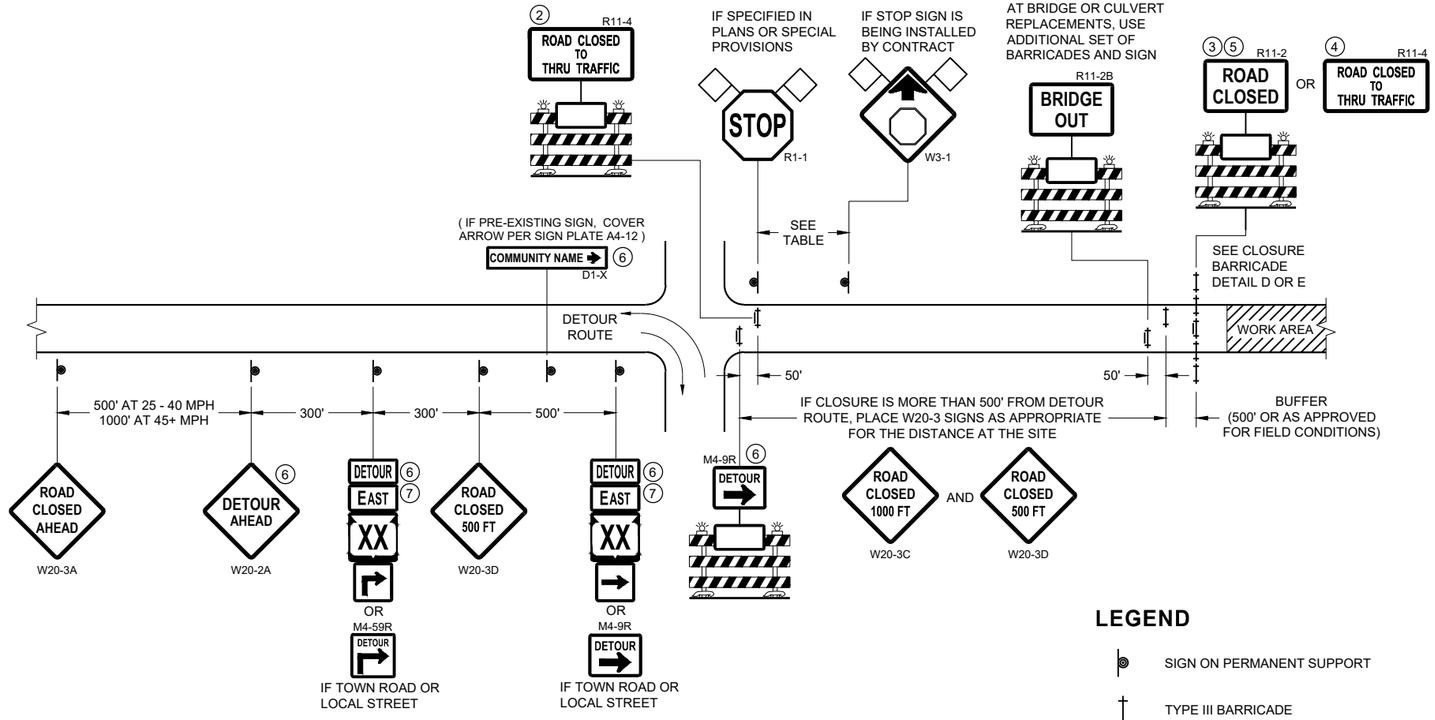
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S.D.D. 15 A 3-2b

6

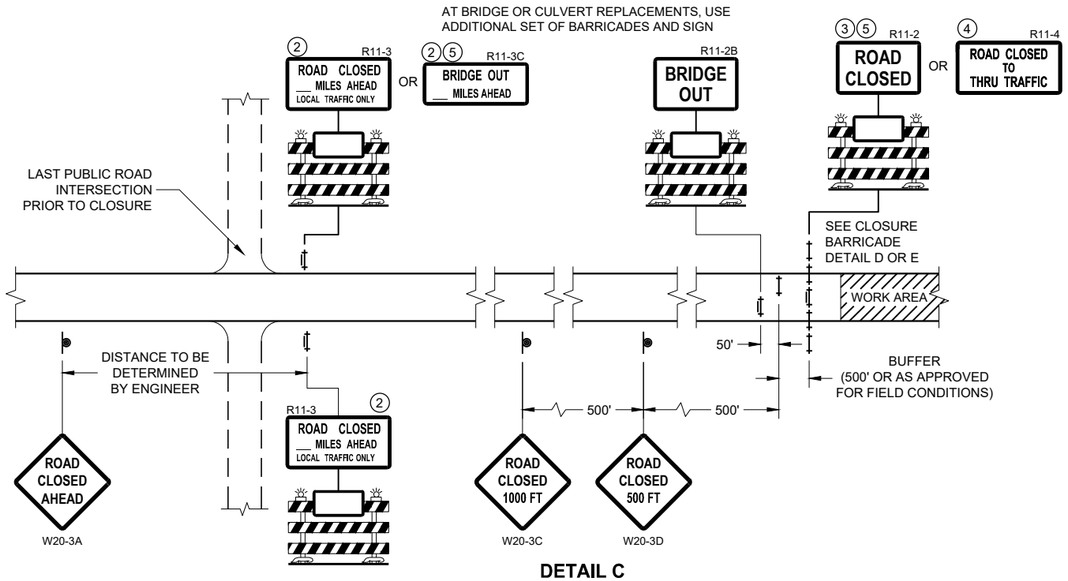
S.D.D. 15 A 3-2b





DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR
WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

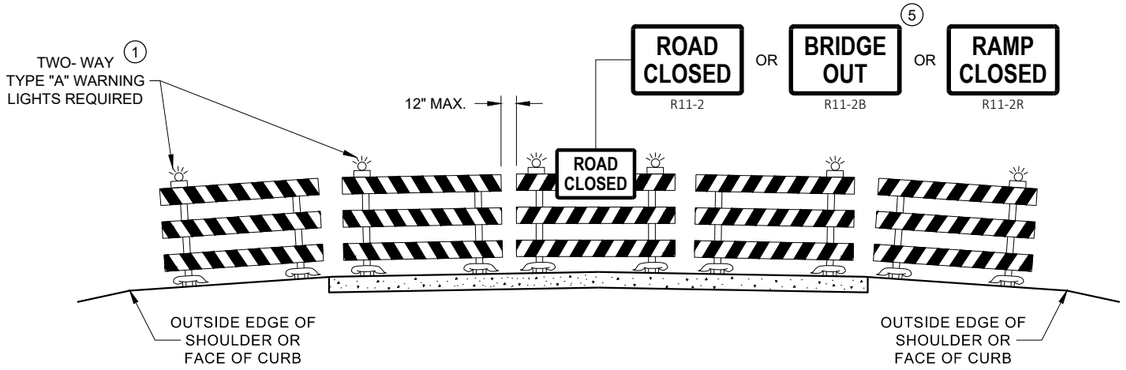
APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

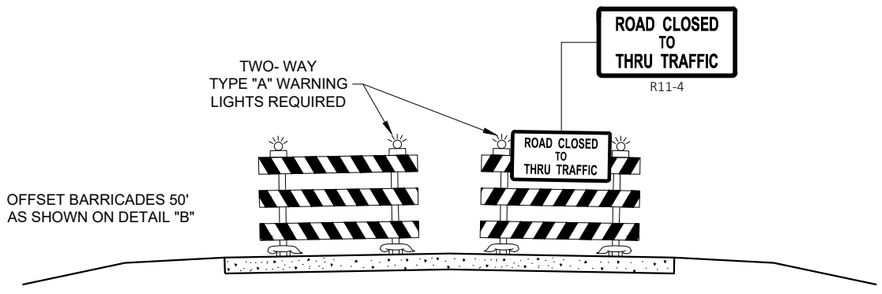
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SDD 15C02 - 07a

SDD 15C02 - 07a



DETAIL D
ROAD CLOSURE BARRICADE DETAIL
APPROACH VIEW



DETAIL E
LANE CLOSURE BARRICADE DETAIL
APPROACH VIEW

SEE SDD 15C2 - SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION, OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW - INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11 - 2, R11 - 3, M4 - 9, R11 - 4, AND R10 - 61 SIGNS PLACED ON THE BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE RAIL OR BOTTOM RAILS.

"WO" AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11 - 2 SHALL BE 48" X 30"
- R11 - 3 SHALL, R11 - 4 AND R10 - 61 SHALL BE 60 " X 30"
- M4 - 9 SHALL BE 30" X 24"
- M3 - X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4 - 8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1 - 4, M1 - 5A AND M1 - 6 SHALL BE 24" X 24" (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS)
- MO5 - 1 AND MO6 - 1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- D1 - X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1 - 1 SHALL BE 36" X 36"

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8 FOOT LIGHT SPACING.

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT AN INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "D".

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL "E".

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11 - 2 AND R11 - 3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR VARIOUS CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEE
FHWA

6

SDD 15C02 - 07b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

LEGEND

- SIGN ON PERMANENT SUPPORT
- WORK AREA
- DETOUR — M4 - 8
- EAST — M3 - X
- XX — M1 - 4 OR XX — M1 - 6 OR COUNTY X — M1 - 5A
- M05 - 1 OR M06 - 1 OR M06 - 1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

- M3-X SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-8 SHALL BE 24" X 12" (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS)
- M1-4, M1-5A AND M1-6 SHALL BE 24" X 24" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M05-1 AND M06-1 SHALL BE 21" X 21" (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS)
- M4-9 AND M4-59 SHALL BE 30" X 24"
- M4-8a SHALL BE 24" X 18"
- G20-51 SHALL BE 60" X 24"
- W20-2A SHALL BE 48" X 48"
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

500' AT 25-40 MPH
1000' AT 45+ MPH

500'

DETOUR EAST XX *

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

M4-8a END DETOUR WEST XX *

DETOUR EAST XX / WEST XX

DETOUR ROUTE

WORK AREA

DETOUR EAST XX

WEST XX OR M4-9L DETOUR ** IF TOWN ROAD OR LOCAL STREET

500'

DETOUR NEXT X MILES * G20-51

DETOUR WEST XX * OR M4-59L DETOUR ** IF TOWN ROAD OR LOCAL STREET

MATCH POINT

* M4-59L DETOUR ** OR DETOUR EAST XX * IF TOWN ROAD OR LOCAL STREET

D1-X COMMUNITY NAME * (IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

500'

M4-9L DETOUR ** OR DETOUR EAST XX IF TOWN ROAD OR LOCAL STREET

DETOUR WEST XX

DETOUR WEST XX OR M4-9R DETOUR ** IF TOWN ROAD OR LOCAL STREET

DETOUR WEST XX * OR M4-59R * DETOUR ** IF TOWN ROAD OR LOCAL STREET

500'

DETOUR ROUTE

500' AT 25 - 40 MPH
1000' AT 45+ MPH

500'

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

DETOUR EAST XX *

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

DETOUR EAST XX

500'

DETOUR EAST XX

D1-X COMMUNITY NAME *
(IF PRE-EXISTING SIGN, COVER ARROW PER SIGN PLATE A4-12)

DETOUR EAST XX *

PLACE SIGNS BEYOND INTERSECTIONS WITH STATE OR COUNTY TRUNK HIGHWAYS OR AT 4 MILE MAXIMUM SPACING (4 BLOCKS IF URBAN AREA)

500' AT 25 - 40 MPH
1000' AT 45+ MPH

DETOUR EAST XX *

M3-X 24" X 12"
M1-X 24" X 24"
DETOUR AHEAD
W20-2A
USE ON STATE TRUNK, U.S. OR INTERSTATE HIGHWAYS, OR AS SPECIFIED IN THE CONTRACT

SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS AND DETAIL A OR B ON SDD SHEET 15C02 - SHEET "a"

DETAIL F
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

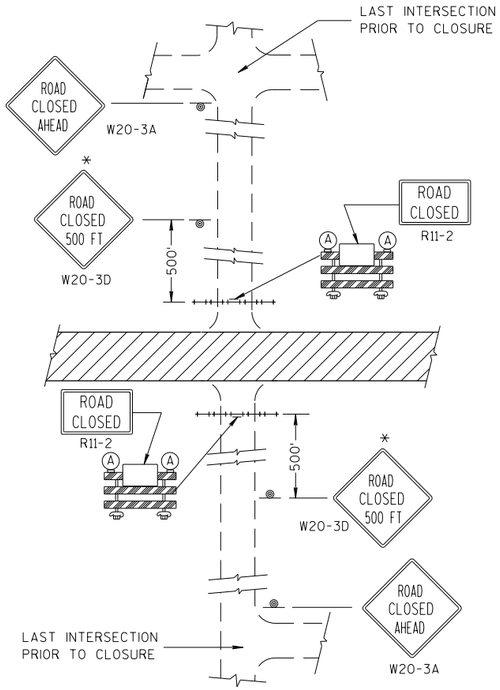
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FHWA

SDD 15C02 - 07c

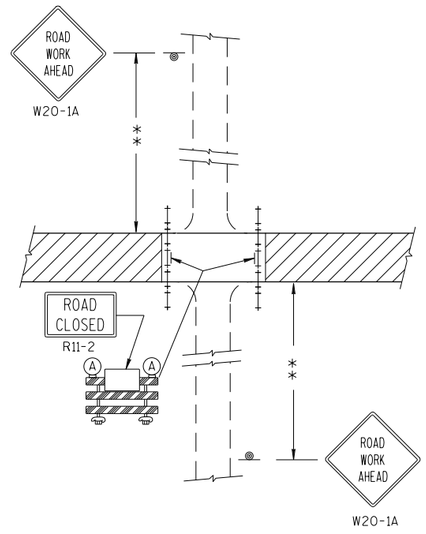
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SDD 15C02 - 07c



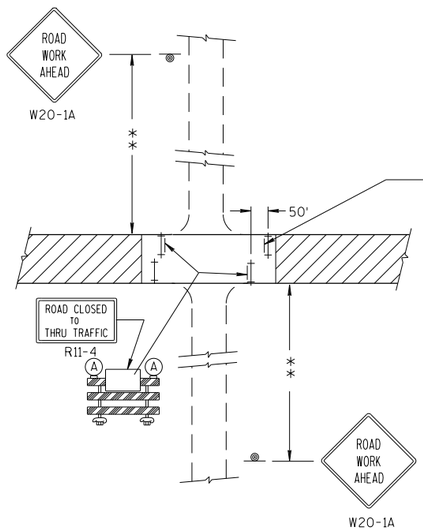
DETAIL 1

(NO ACCESS TO PROJECT)



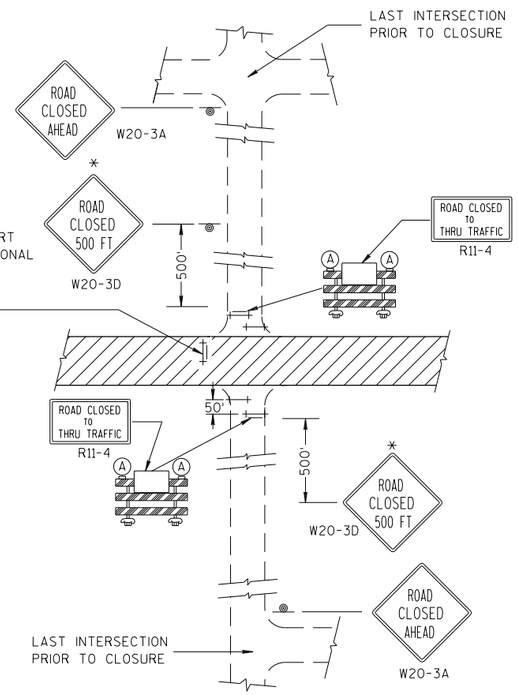
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR,
LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGI

FHWA

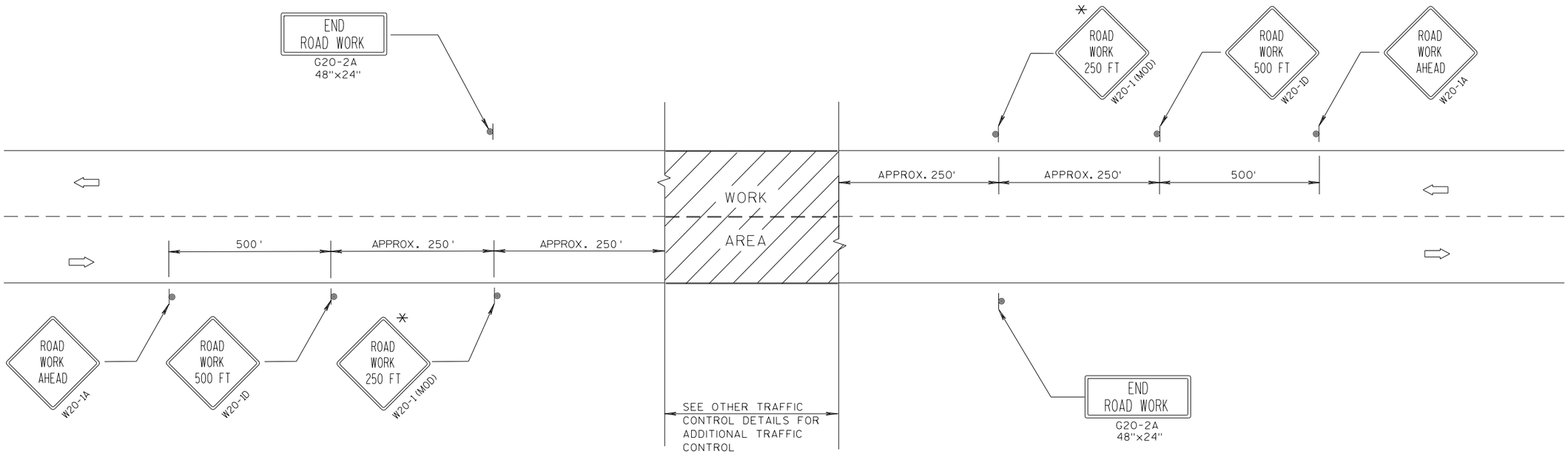
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S.D.D. 15 C 3-5

6

S.D.D. 15 C 3-5

TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

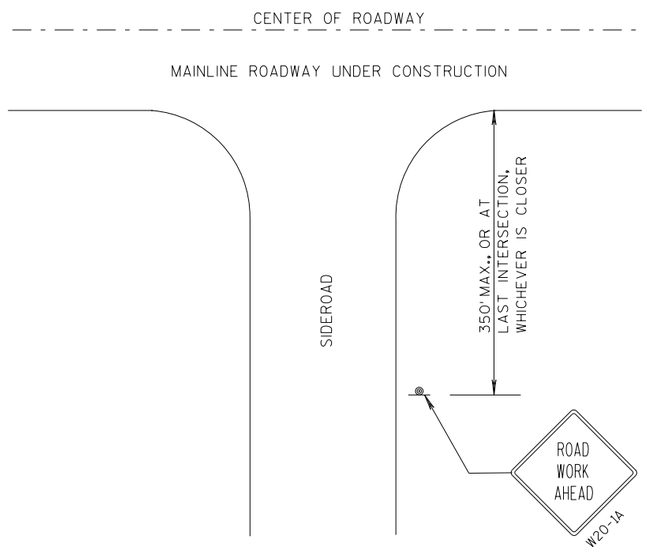
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC
- WORK AREA

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENGI

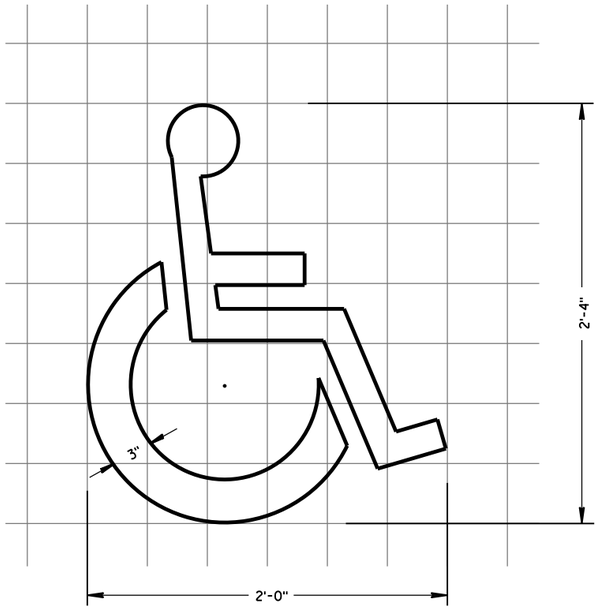
FHWA

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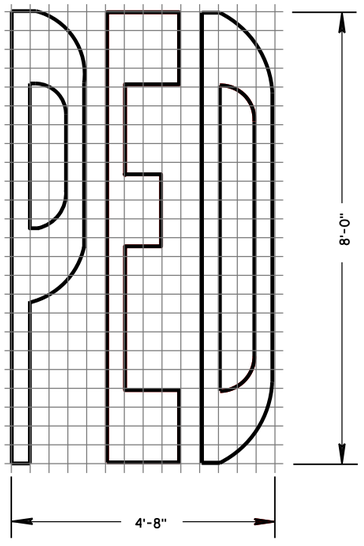
S.D.D. 15 C 5-5

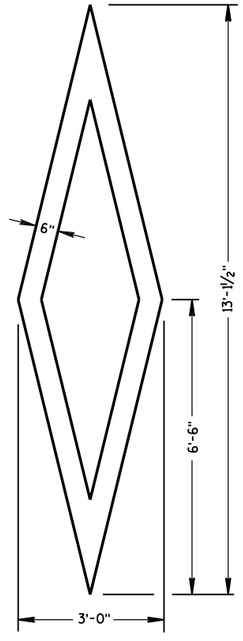
GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



HANDICAP SYMBOL





PREFERENTIAL LANE SYMBOL

6

6

S.D.D. 15 C 7-14a

S.D.D. 15 C 7-14a

PAVEMENT MARKING SYMBOLS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

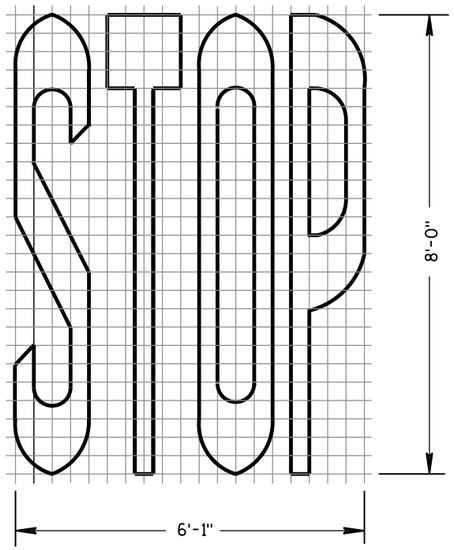
June 2017 — DATE

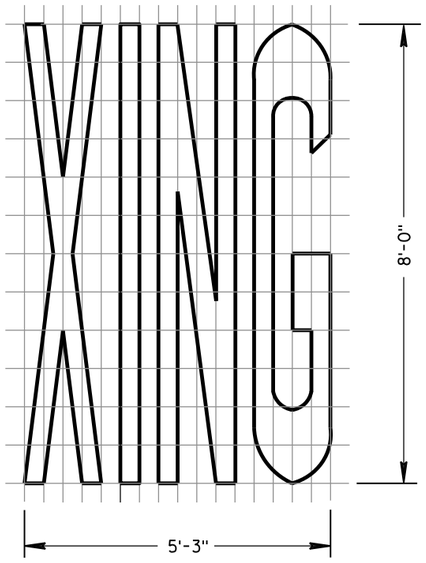
/S/ Matthew R. Rauch — STATE SIGNING AND MARK EER

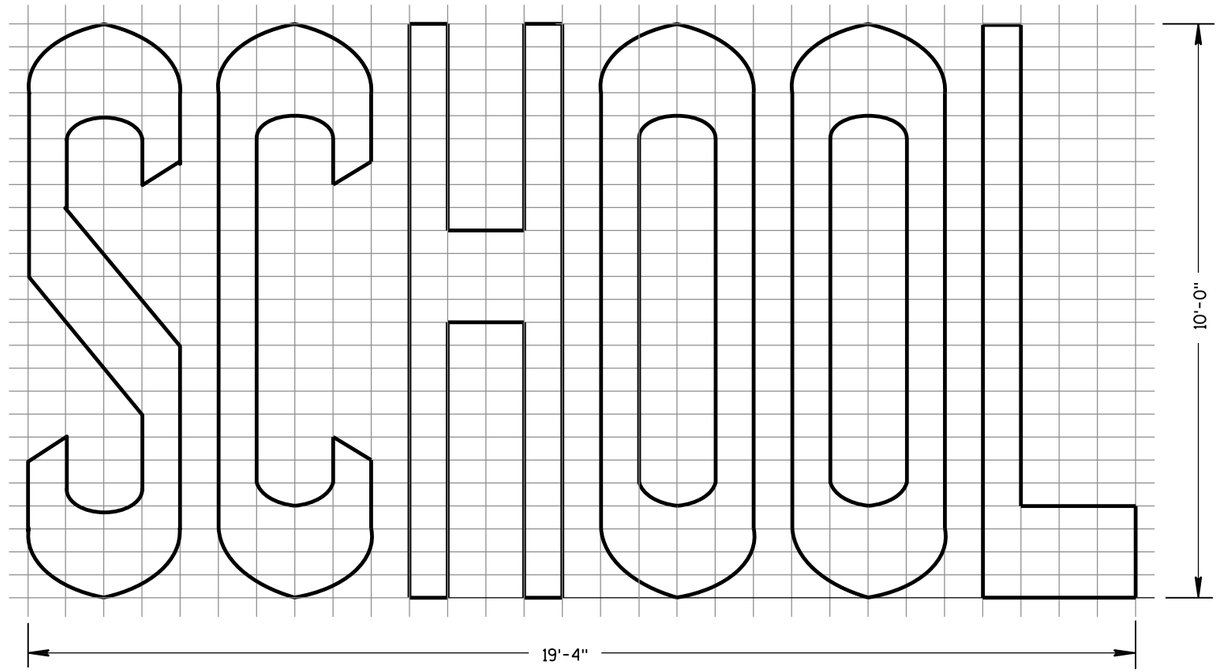
FHWA

GENERAL NOTES

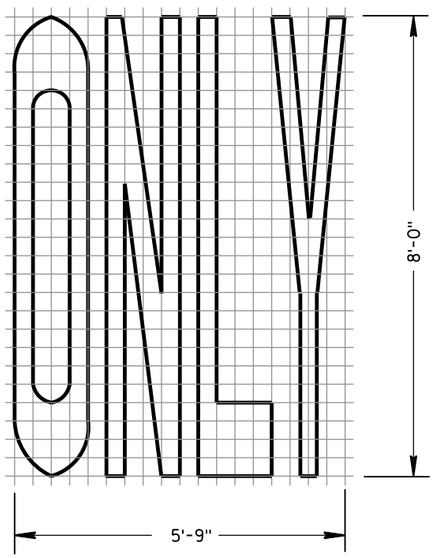
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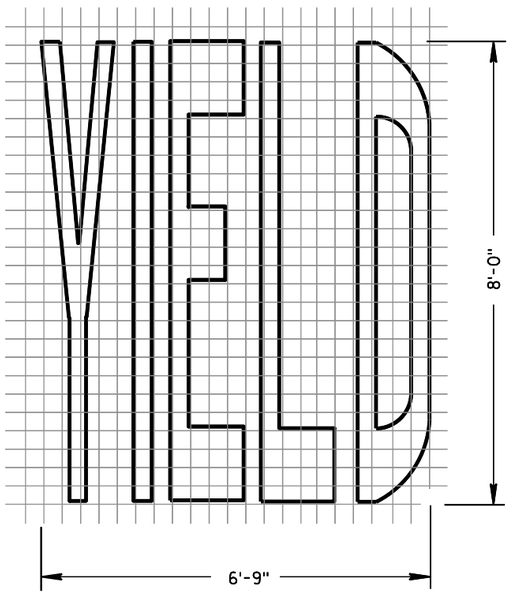


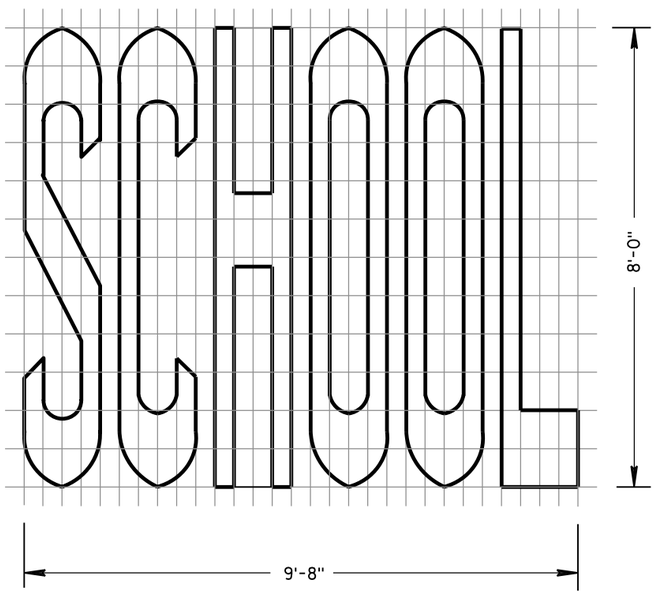




TWO-LANE







SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

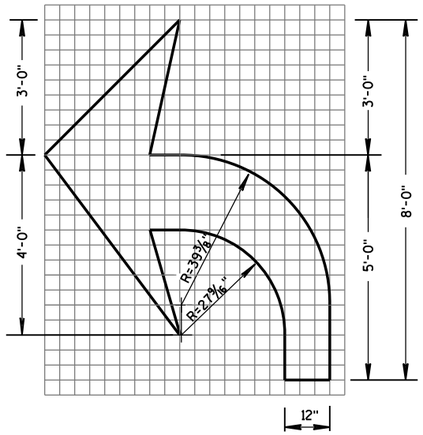
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARK
EER
FHWA

6

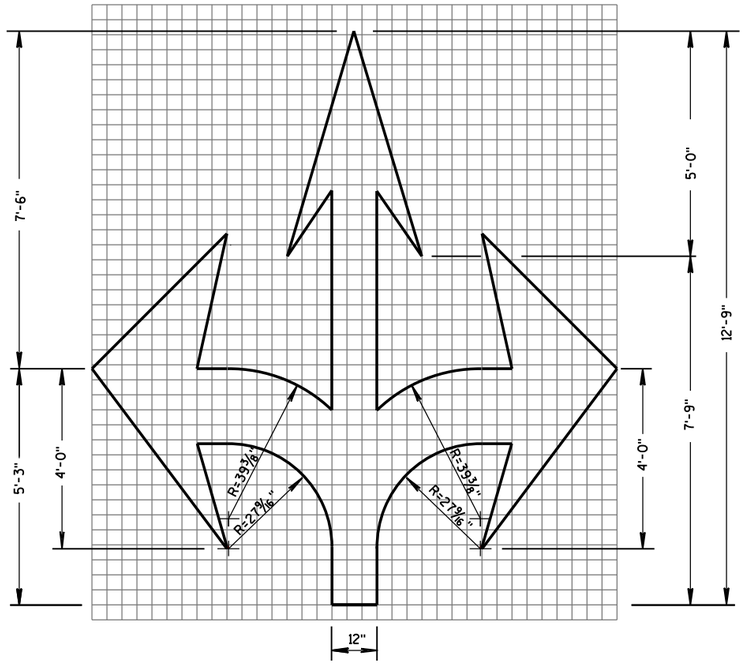
S.D.D. 15 C 7-14b

GENERAL NOTES

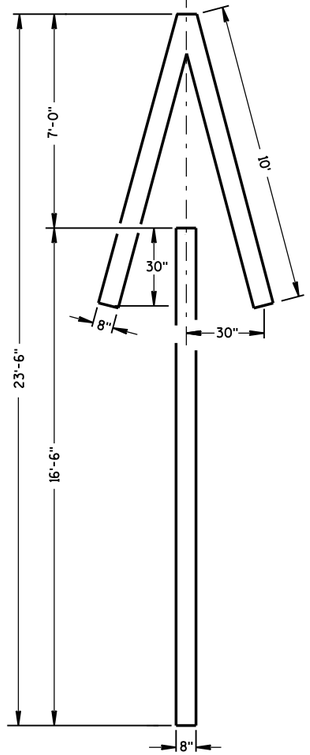
DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.



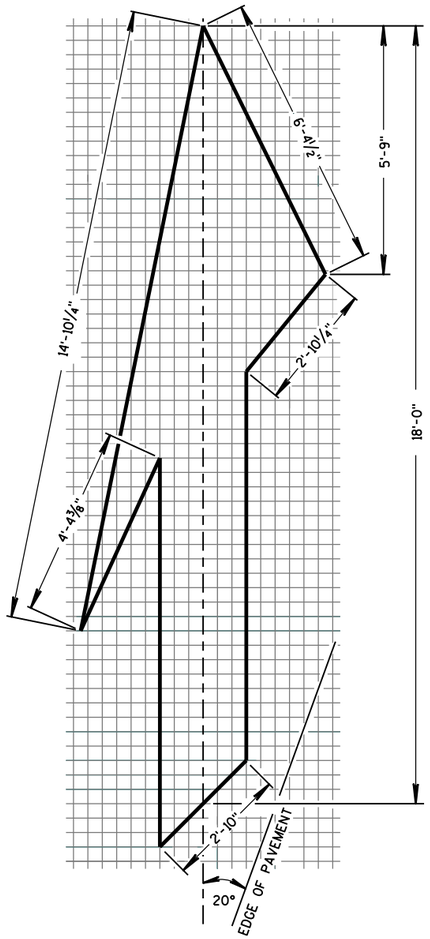
TYPE 2



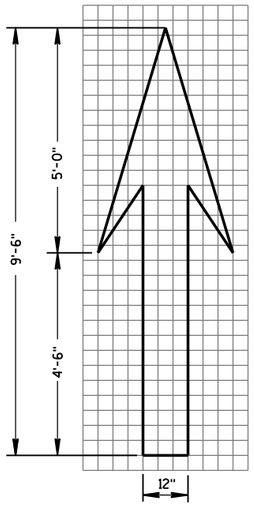
TYPE 6



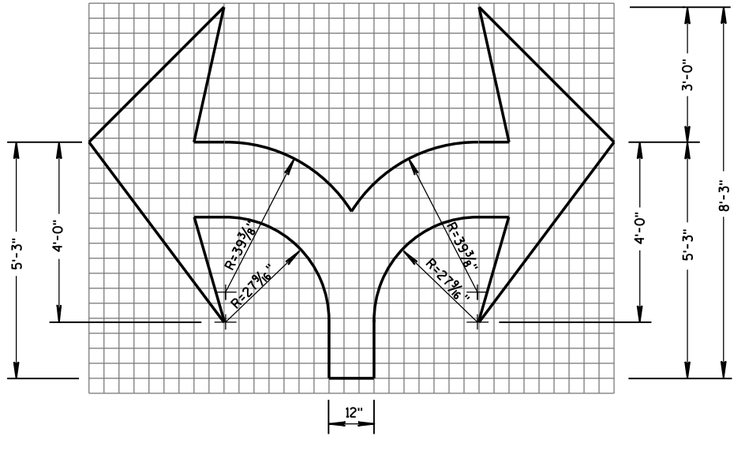
TYPE 4



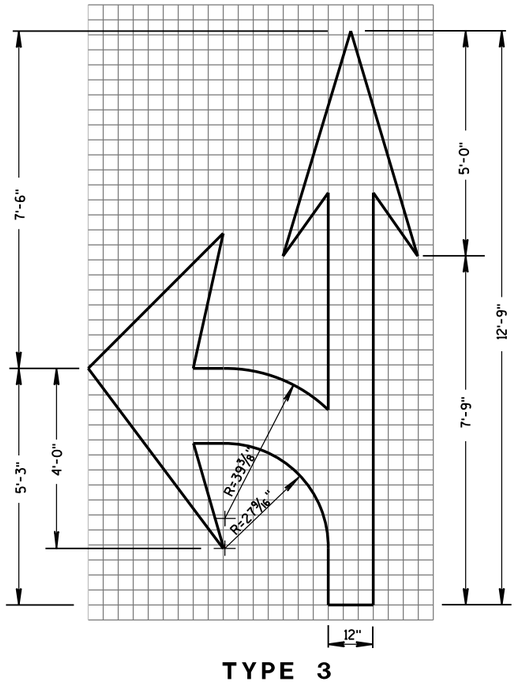
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

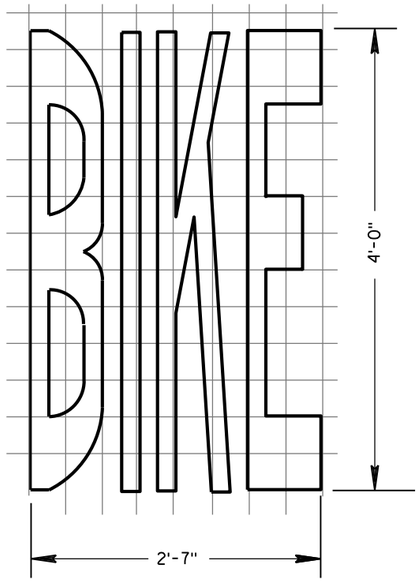
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

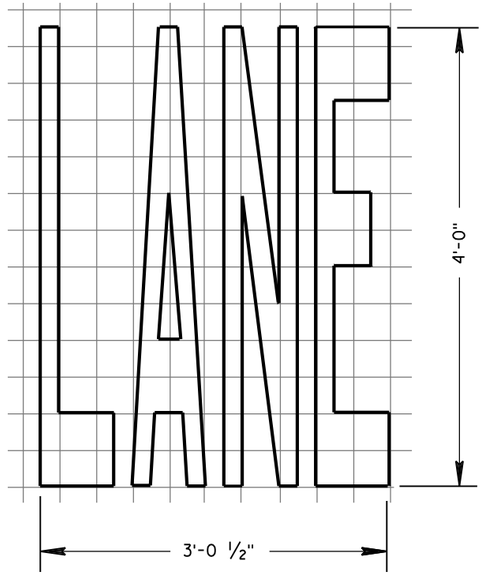
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

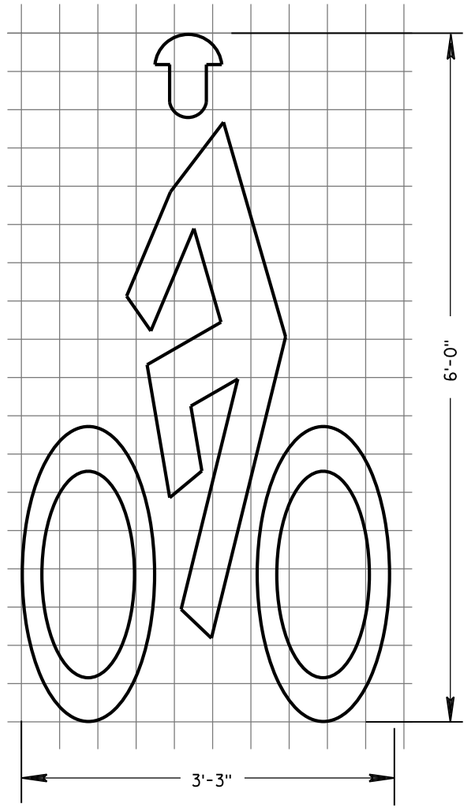
S.D.D. 15 C 7-14c

S.D.D. 15 C 7-14c

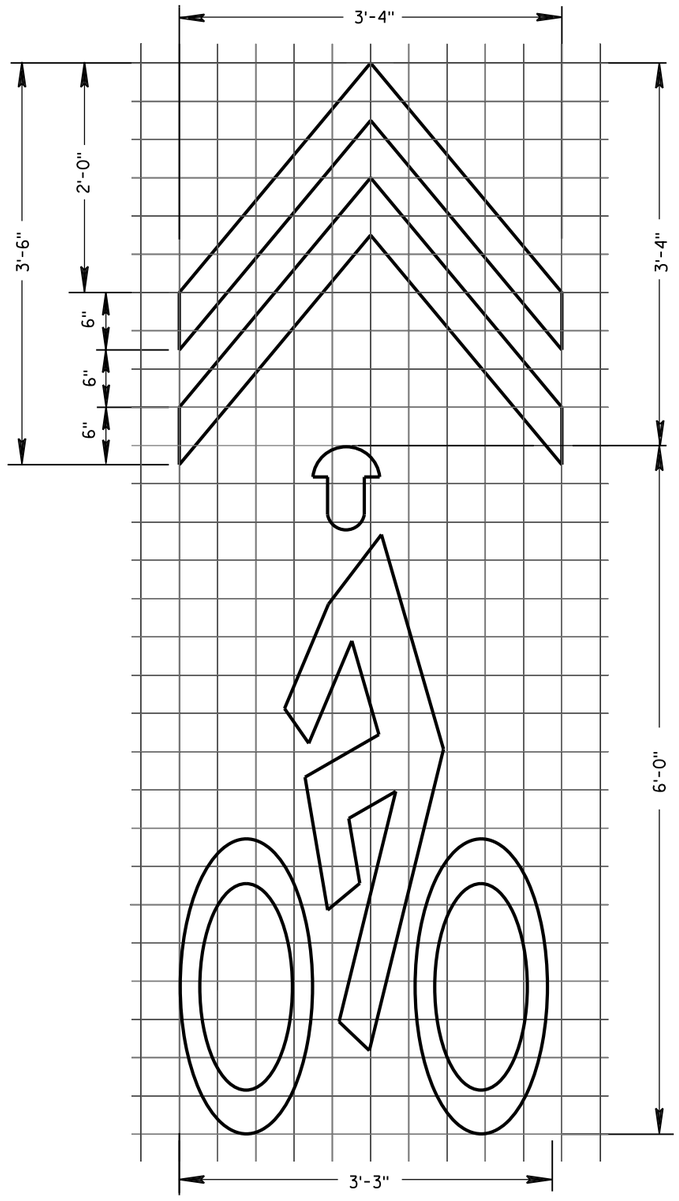




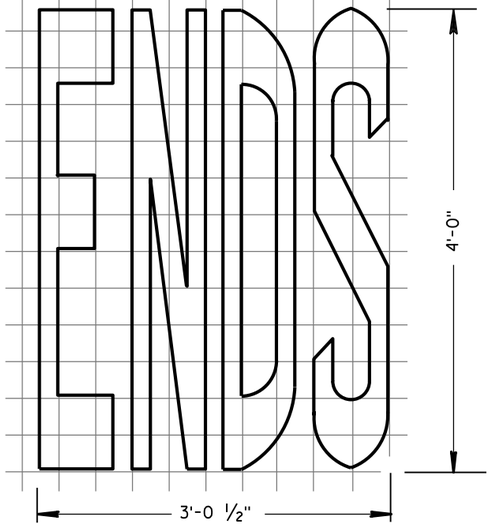
BIKE LANE WORDS



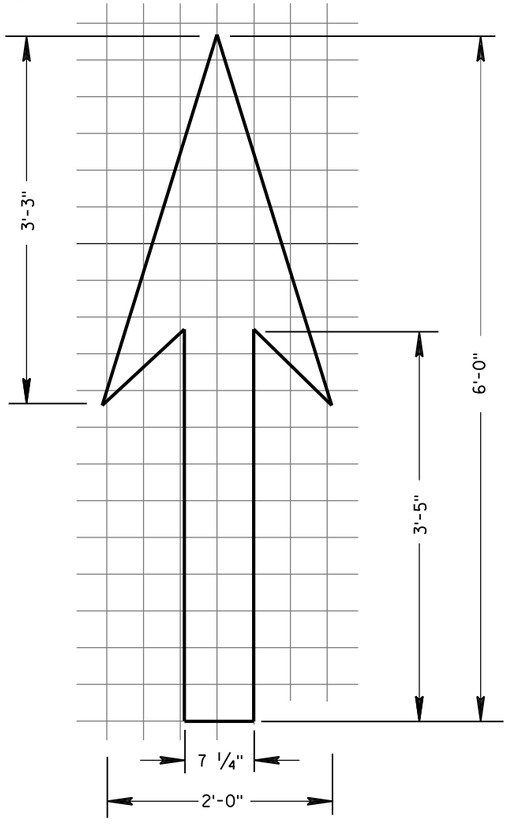
BIKE LANE SYMBOL



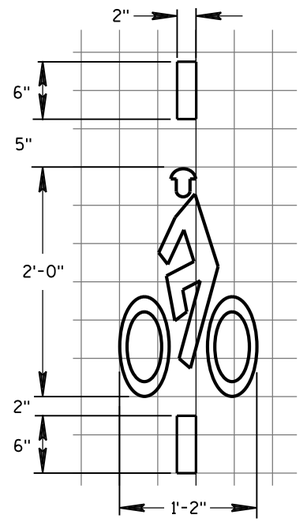
BIKE SYMBOL FOR SHARED LANE



BIKE LANE WORDS



BIKE LANE ARROW



BICYCLE DETECTOR PAVEMENT MARKING

GENERAL NOTES

DETAILS OF INSTALLATION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

PAVEMENT MARKING FOR BIKE LANES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

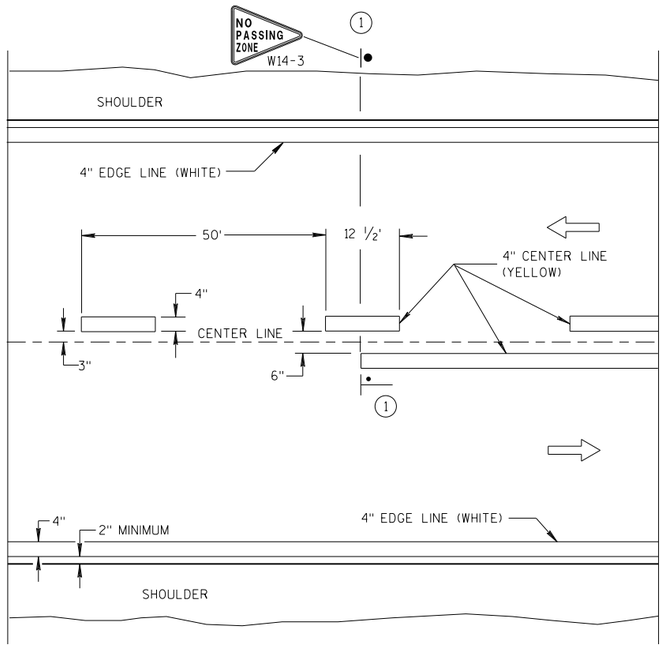
APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

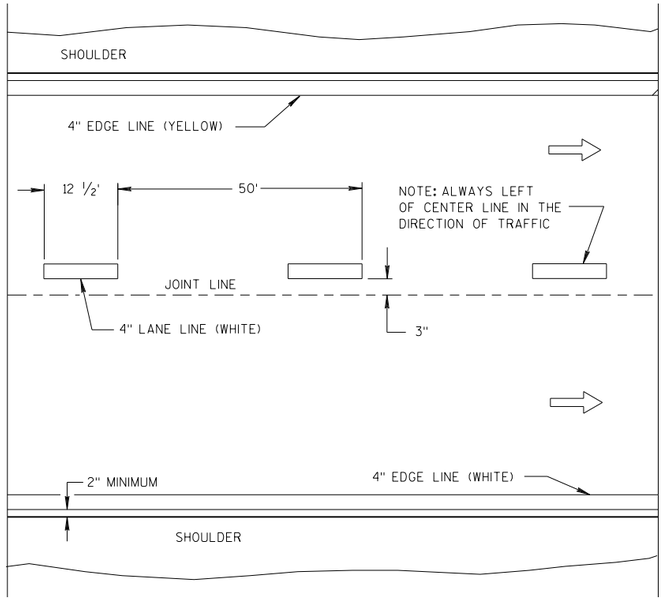
S.D.D. 15 C 7-14e

6

S.D.D. 15 C 7-14e



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

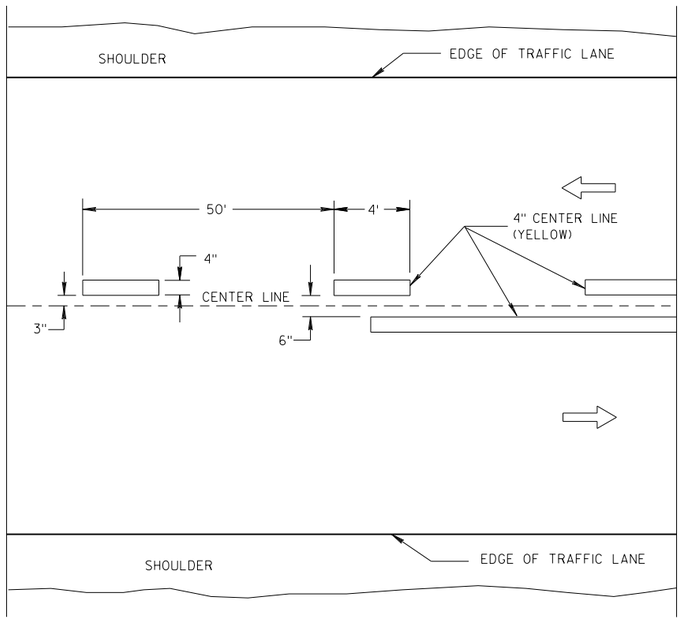
NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

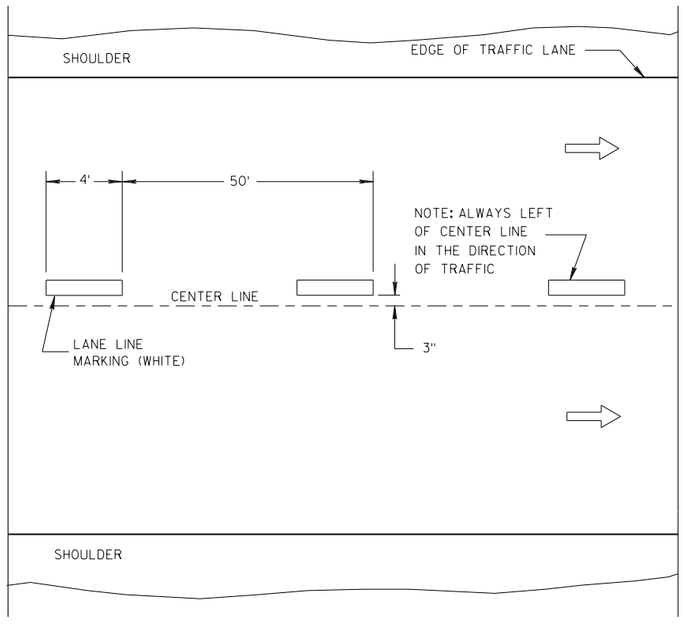
LEGEND

"T" MARKING

POST MOUNTED SIGN



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

LONGITUDINAL MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER

637

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6

S.D.D. 15 C 8-19a

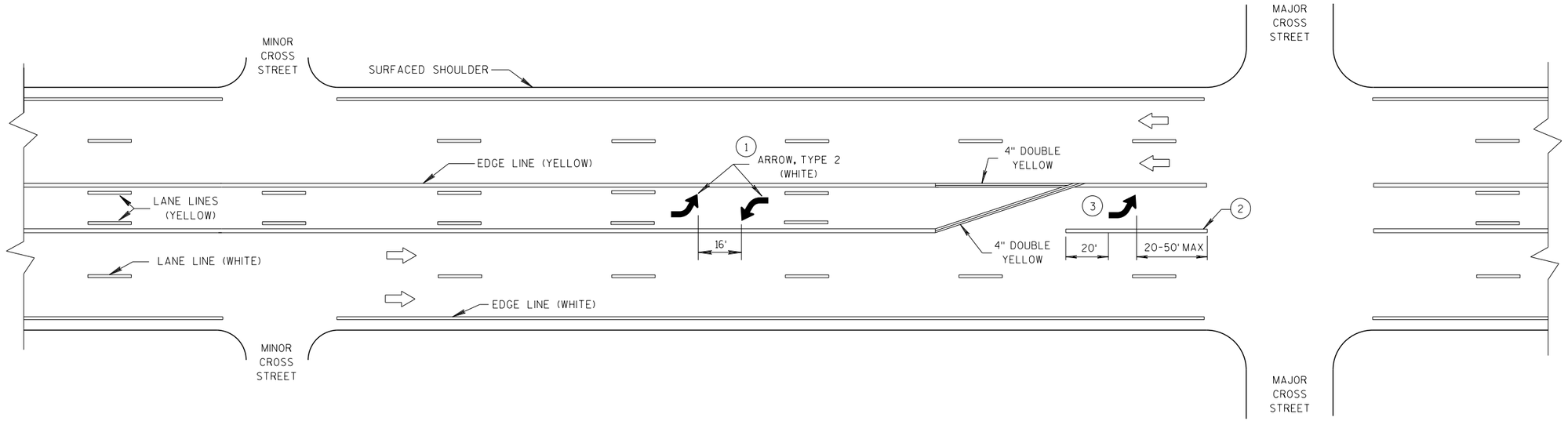
6

S.D.D. 15 C 8-19a

GENERAL NOTES

1. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
2. 8" WHITE
3. TURN BAY LENGTH OF LESS THAN 48'DOES NOT REQUIRE PAVEMENT ARROWS OR TEXT

DIRECTION OF TRAFFIC



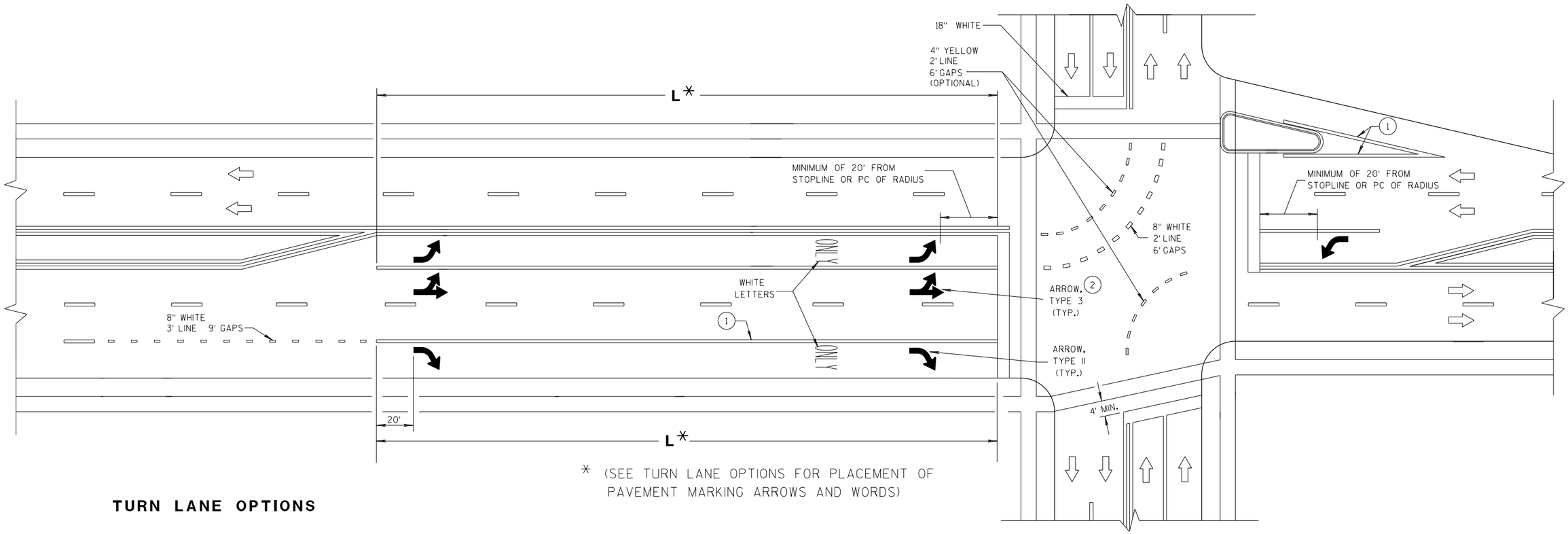
TWO WAY LEFT TURN LANE

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

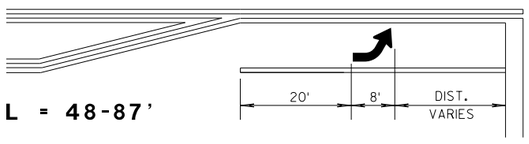
S.D.D. 15 C 8-19b



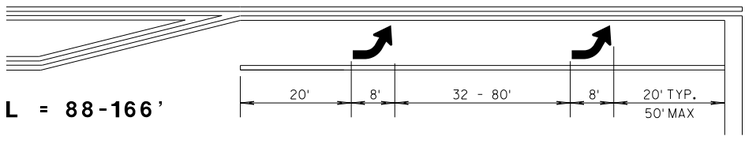
* (SEE TURN LANE OPTIONS FOR PLACEMENT OF PAVEMENT MARKING ARROWS AND WORDS)

TURN LANE OPTIONS

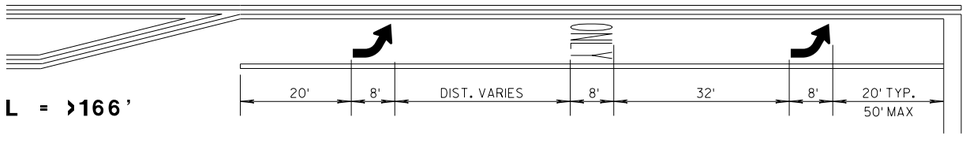
LENGTH OF TURN BAY (**L**) OF 0-47' DOES NOT REQUIRE PAVEMENT MARKING ARROWS OR WORDS



L = 48-87'



L = 88-166'



L = >166'

GENERAL NOTES

1. 8" WHITE
2. QUANTITY AND LOCATION OF TYPE 3 ARROW ARE THE SAME AS THE TYPE II ARROWS IN THE ADJACENT TURN LANE. FOR TURN LANES WITH A PHYSICAL SEPARATION, THE ARROWS AND ONLY MARKING ARE ELIMINATED.

⇨ DIRECTION OF TRAFFIC

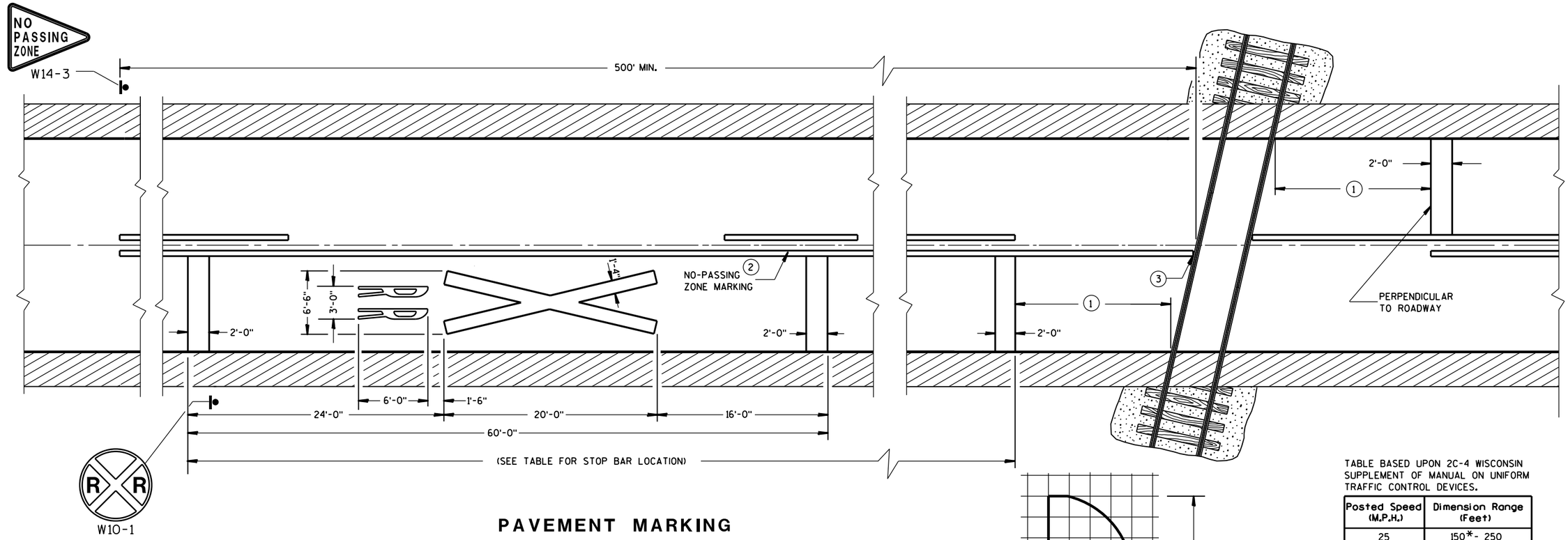
L = LENGTH OF TURN BAY

PAVEMENT MARKING (TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORT

6

S.D.D. 15 C 8-19c



PAVEMENT MARKING

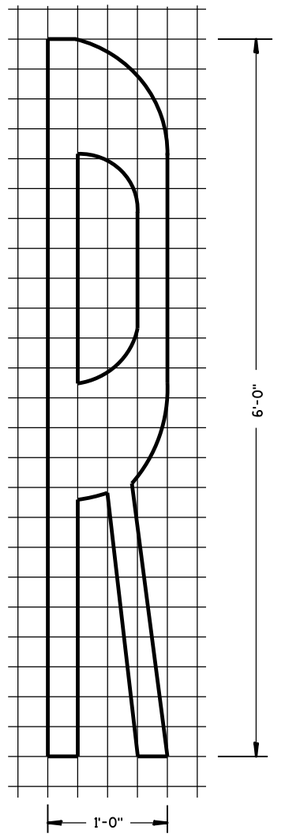


TABLE BASED UPON 2C-4 WISCONSIN SUPPLEMENT OF MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

Posted Speed (M.P.H.)	Dimension Range (Feet)
25	150*- 250
30	200*- 300
35	250*- 450
40	300*- 500
45	400*- 650
50	550*- 800
55	750*- 1000
60	1000*- 1250
65	1000*- 1250

* THE MINIMUM DISTANCES IN THE TABLE ARE DESIRABLE AND SHOULD BE USED. THE DISTANCES MAY BE INCREASED UP TO THE MAXIMUM TO ALLOW FOR FIELD CONDITIONS SUCH AS THE CLOSE PROXIMITY OF DRIVEWAYS, BRIDGES, SIDEROADS OR OTHER FEATURES THAT WOULD PROHIBIT THE MINIMUM DISTANCES FROM BEING USED.

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

ON MULTI-LANE ROADS THE TRANSVERSE BANDS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.

CENTER OR LANE LINES AND NO-PASSING ZONE MARKINGS SHOWN ON THIS DRAWING ARE REQUIRED AND PAID FOR UNDER OTHER ITEMS IN THE CONTRACT.

RETRACE EXISTING SYMBOL WHERE EXISTING SYMBOLS ARE PLACED.

(1) MINIMUM 8' FROM ANY RAILROAD WARNING DEVICES (SIGNALS, GATES, ETC.) OR 25' FROM THE NEAREST RAIL, WHICHEVER DISTANCE IS GREATER.

(2) 500' MINIMUM. MARKING LIMITS MAY BE EXTENDED AS DIRECTED BY THE ENGINEER TO MEET ADJACENT NO-PASSING ZONE MARKINGS.

(3) FOR MULTIPLE TRACK CROSSINGS, THE BARRIER LINE SHALL EXTEND TO THE NEAR RAIL OF THE FURTHEST TRACK IN THE DIRECTION OF HIGHWAY TRAVEL.

SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAI[illegible]GINEER

FHWA

6

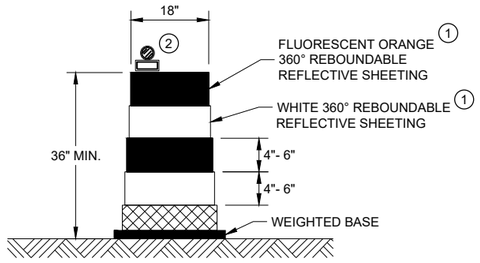
S.D.D. 15 C 9-11a

6

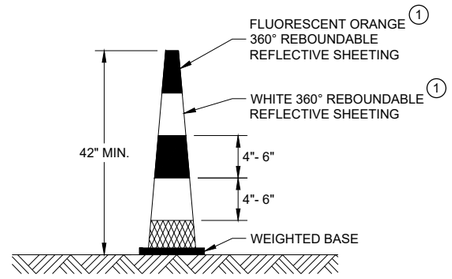
S.D.D. 15 C 9-11a

GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.

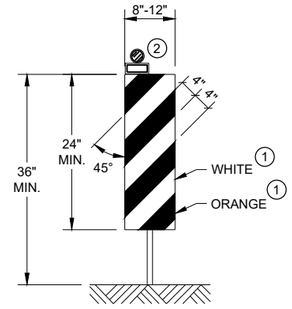


DRUM



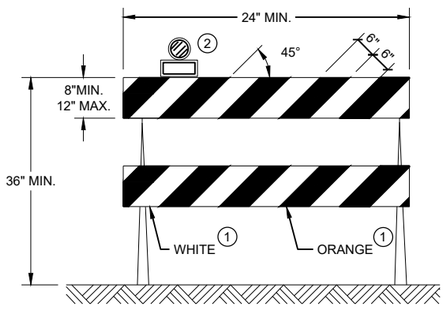
42" CONE

DO NOT USE IN TAPERS
½ SPACING OF DRUMS



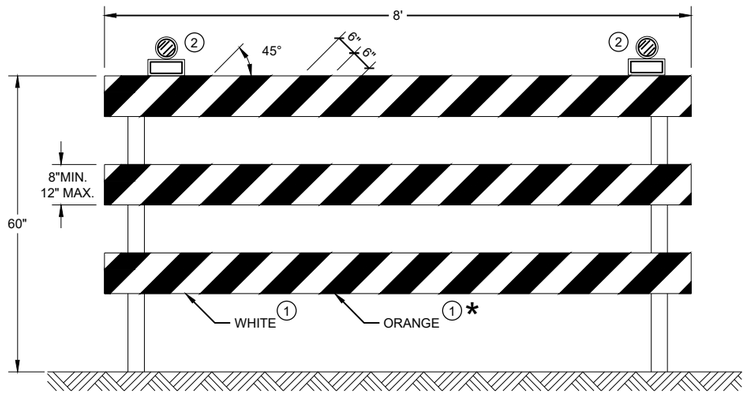
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES
DRUMS, CONES, BARRICADES
AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017
DATE

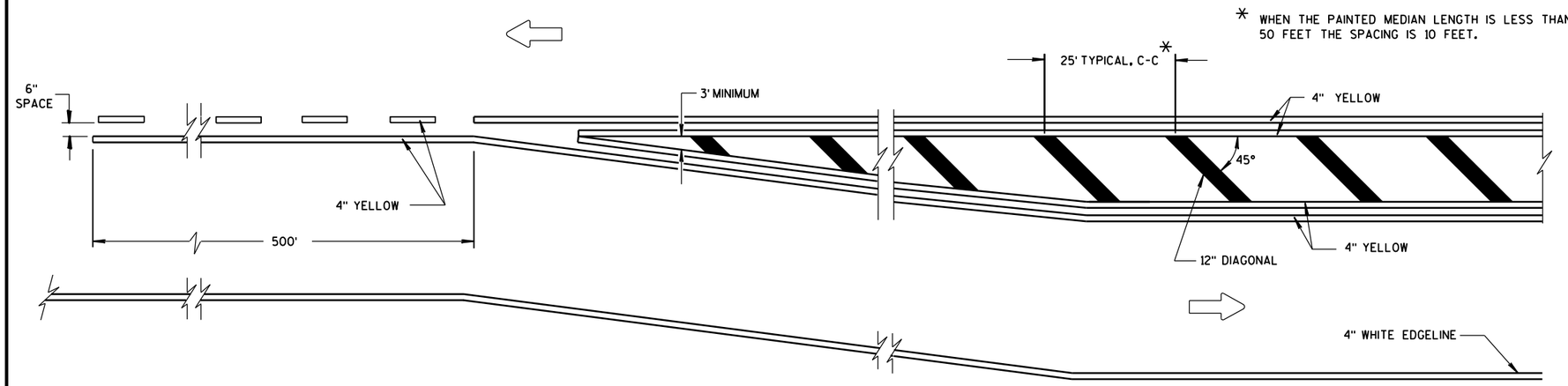
/S/ Andrew Heidtke
WORK ZONE ENGINEE

641

FHWA

6

SDD 15C11 - 07b

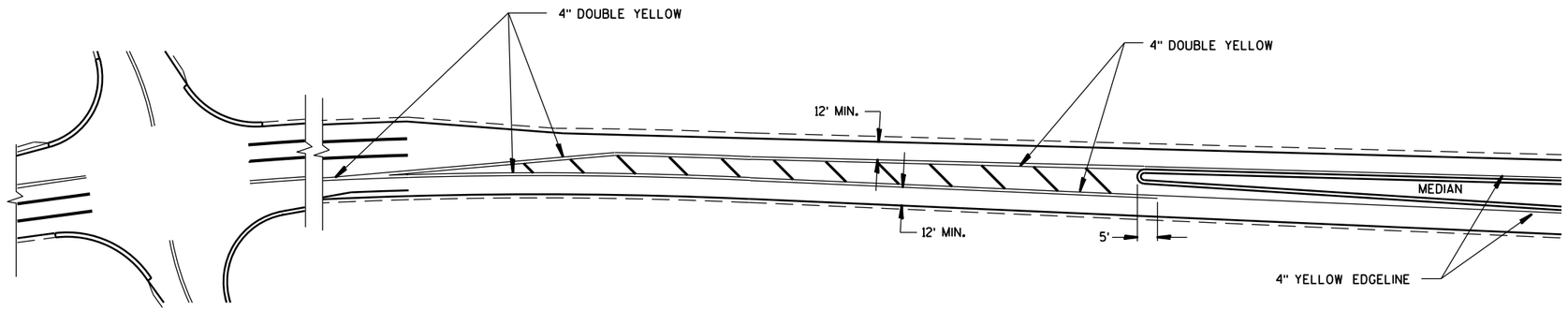


MEDIAN ISLAND DETAIL

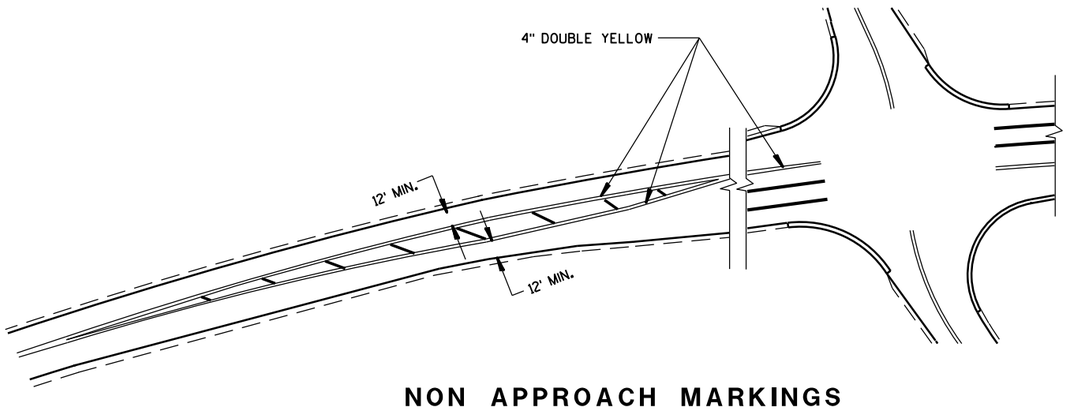
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES



NON APPROACH MARKINGS

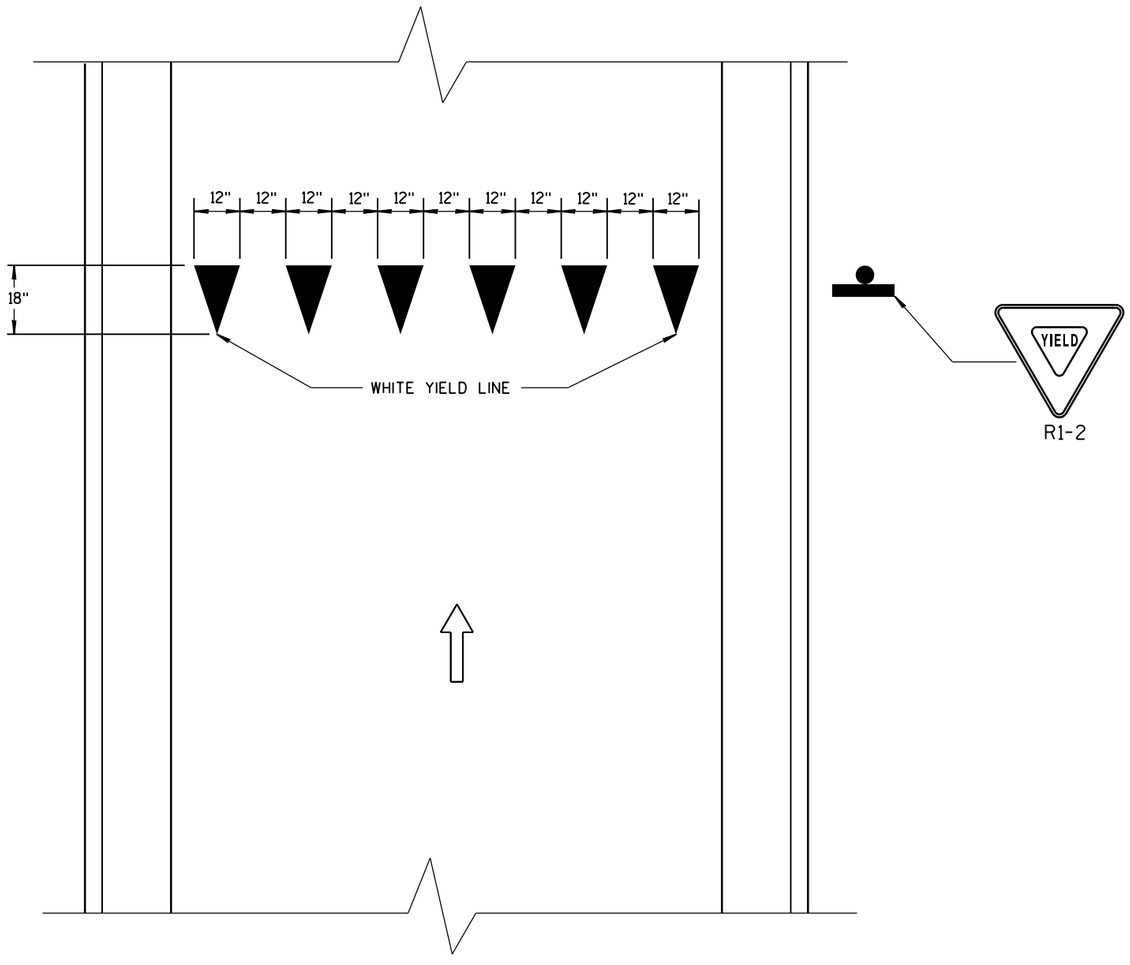
MEDIAN ISLAND MARKING	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED June 2017 DATE FHWA	/S/ Matthew Rauch STATE SIGNING AND MARK 642 EER

6

S.D.D. 15 C 18-4

6

S.D.D. 15 C 18-4



R1-2

DIRECTION OF TRAVEL

YIELD LINE

6

S.D.D. 15 C 20-2

YIELD MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-18-2016
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MARI643 IEER

FHWA

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S.D.D. 15 C 20-2

GENERAL NOTES

SIGNING AND MARKING IS SHOWN AS TYPICAL PLACEMENT. FIELD CONDITIONS MAY DICTATE CHANGES IN SIGNING AND MARKING PLACEMENT.

A DISTANCE DEPENDENT ON SPEED (SEE TABLE)

(1) USED ONLY WHEN APPROVED BY REGION TRAFFIC ENGINEER.

SYMBOLS

* SIGNS MAY BE OMITTED IF SPACE DOES NOT PERMIT

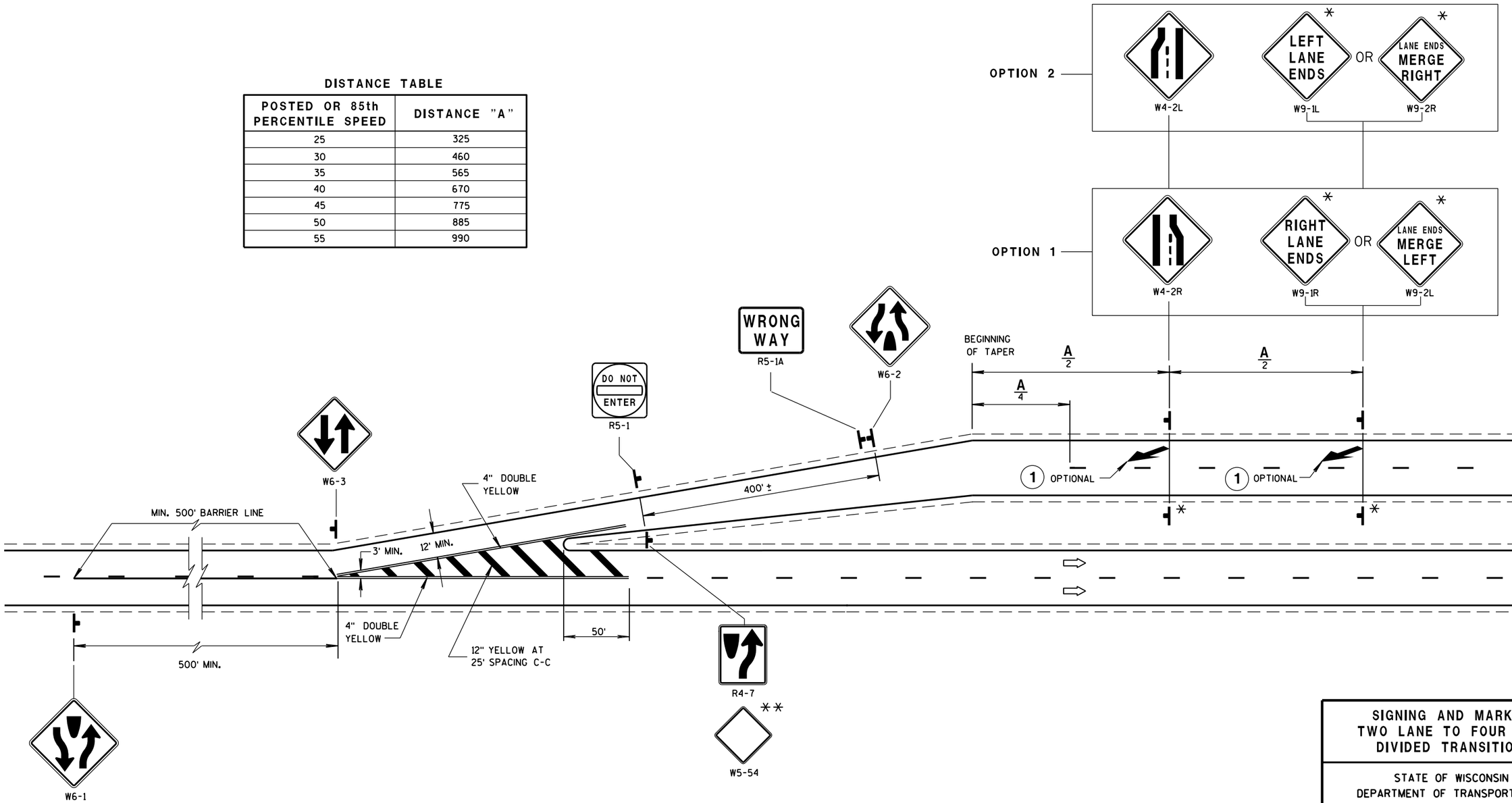
** IF POSTED SPEED 45 MPH OR GREATER, PLACE W5-54 SIGN UNDER R4-7 SIGN. MOUNT W5-54 SIGN AT 4' MOUNTING HEIGHT (TOP OF ROADWAY TO BOTTOM OF SIGN)

POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

DISTANCE TABLE

POSTED OR 85th PERCENTILE SPEED	DISTANCE "A"
25	325
30	460
35	565
40	670
45	775
50	885
55	990



SIGNING AND MARKING TWO LANE TO FOUR LANE DIVIDED TRANSITIONS

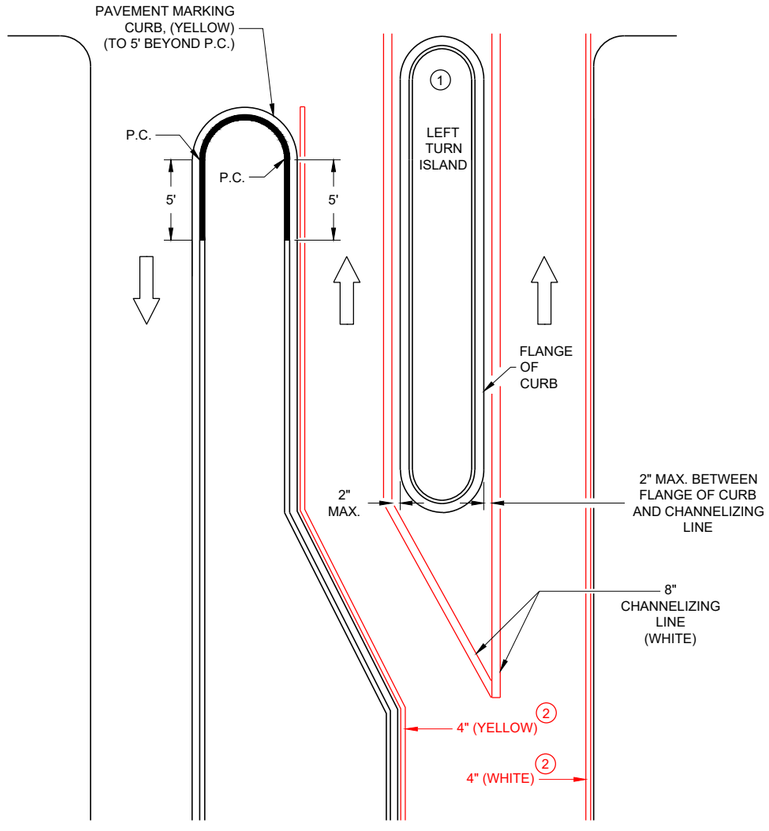
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 — DATE
/S/ Matthew R. Rauch — STATE SIGNING AND MARKING ENGINEER
FHWA

6

S.D.D. 15 C 21-8

REQUIREMENTS FOR EDGE LINES		
POSTED SPEED	IS THERE CONTINUOUS LIGHTING?	
	YES	NO
≤ 30 MPH	NO	OPTIONAL
35 OR 40 MPH	OPTIONAL	RECOMMENDED
≥ 45 MPH	RECOMMENDED	REQUIRED



LEFT TURN & MEDIAN ISLAND

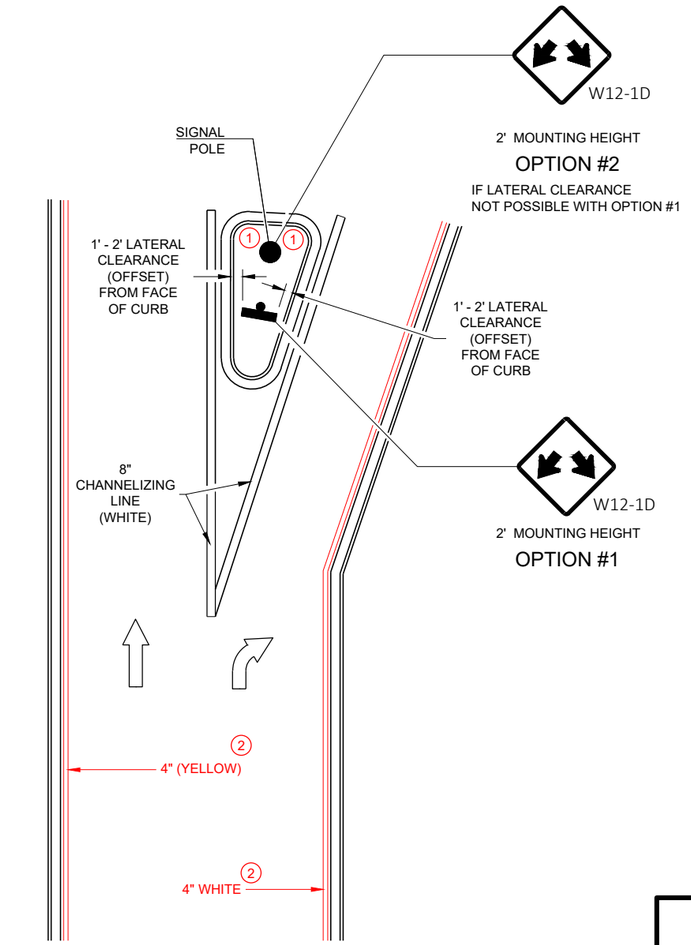
GENERAL NOTES

APPLIES TO ISLANDS AT LEFT TURNS AT ONE WAY ROADWAYS AS WELL.

SEE MISCELLANEOUS QUANTITIES FOR SIGN SIZE.

1. MARK CURB NOSES YELLOW.
2. MARK ACCORDING TO TABLE.

DIRECTION OF TRAVEL



RIGHT TURN ISLAND

DOUBLE ARROW
WARNING SIGN PLACEMENT

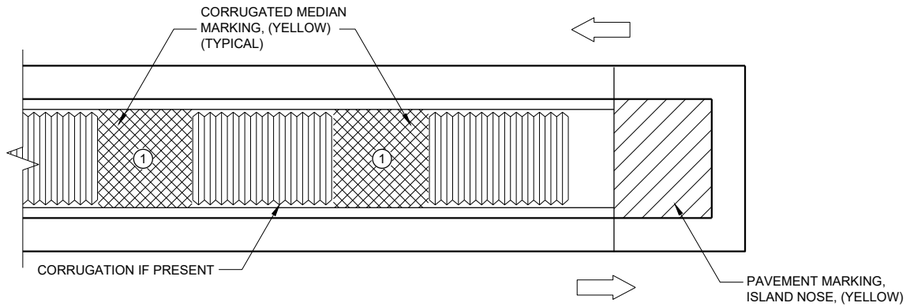
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
7/2018
DATE
/S/ Matthew R. Rauch
STATE SIGNING AND MAF ENGINEER
645

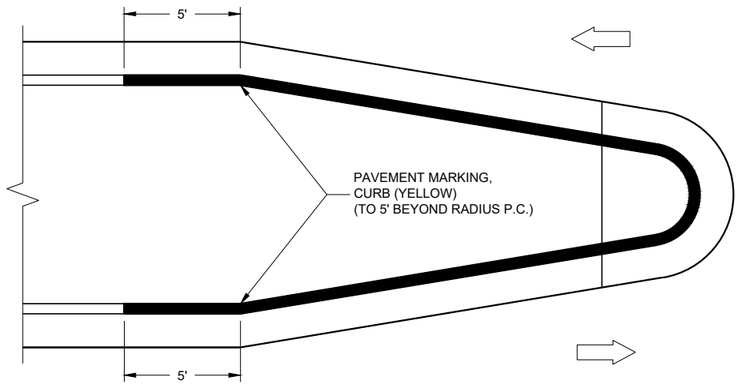
FHWA

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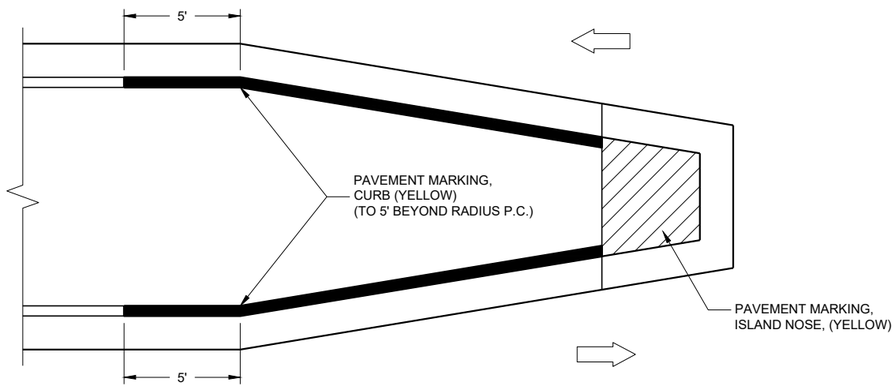
SDD 15C27 - 03a



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

**TYPICAL PLACEMENT OF
PAVEMENT MARKING ON MEDIAN ISLANDS**

GENERAL NOTES

WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION, YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN. THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.

ISLAND NOSE MARKING

CURB MARKING

CORRUGATED MEDIAN MARKING

DIRECTION OF TRAVEL

**PAVEMENT MARKINGS
(ISLANDS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAF
ENGINEER

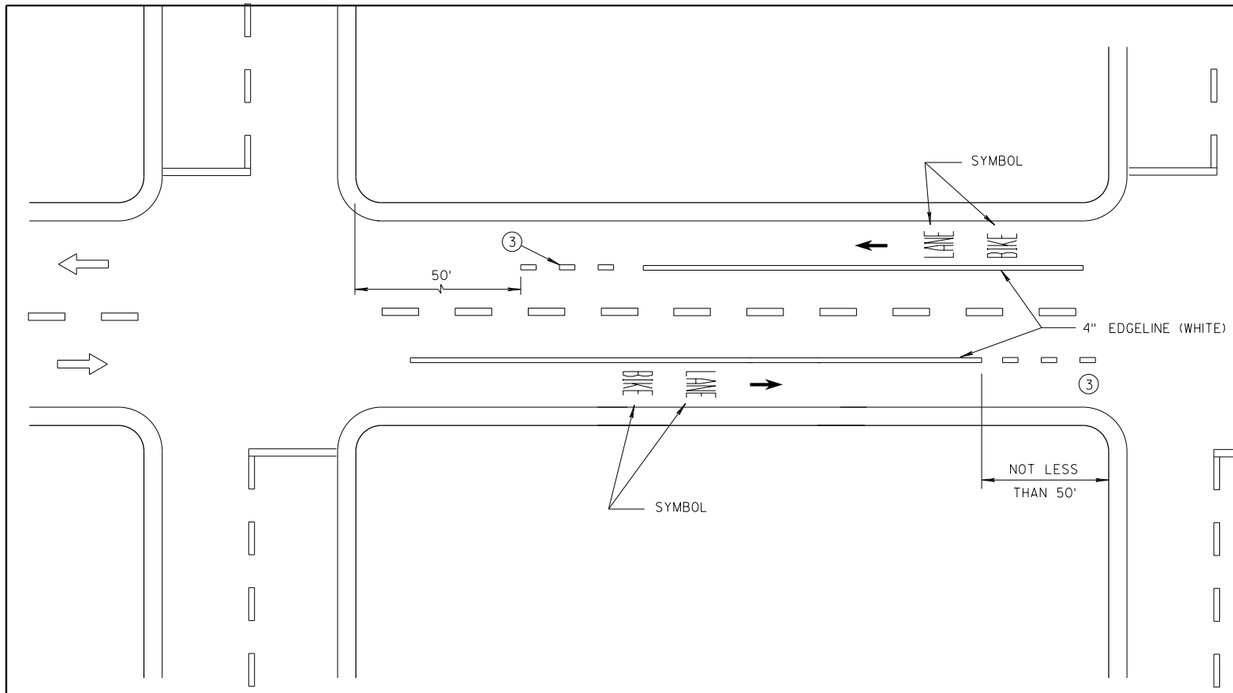
FHWA

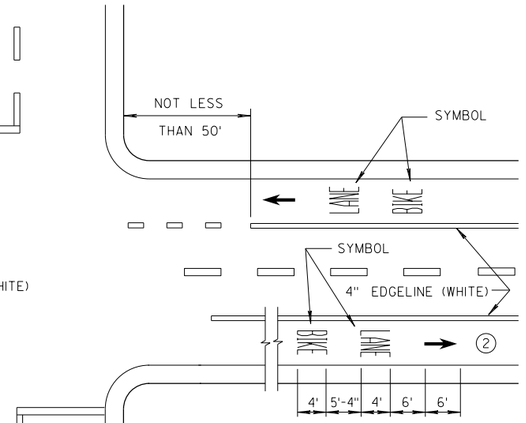
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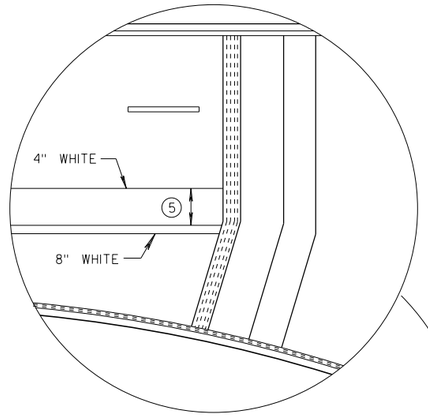
SDD 15C27 - 03b

SDD15C27 - 03b

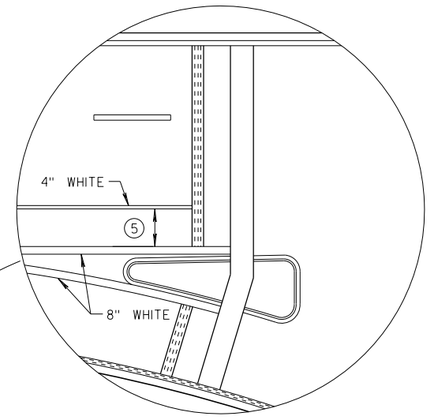




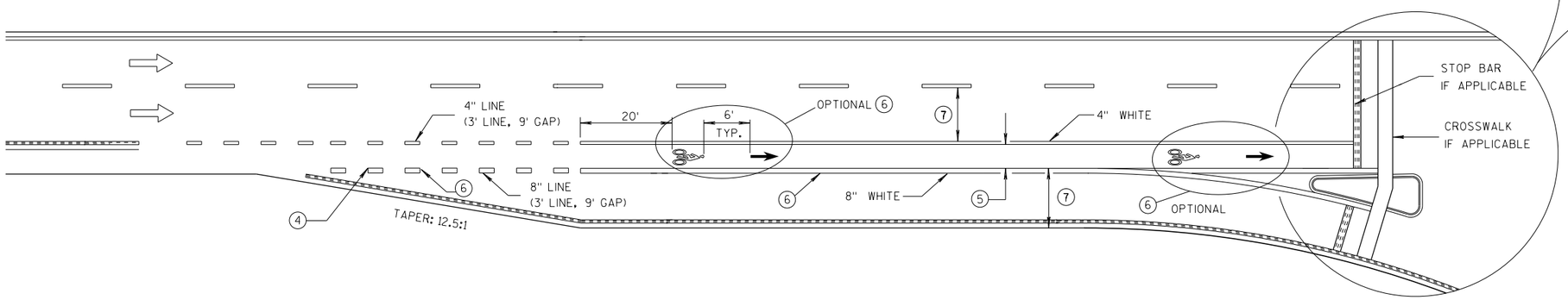
DESIGNATED BICYCLE LANE
NO PARKING



4 LANE DIVIDED WITHOUT ISLAND



4 LANE DIVIDED WITH ISLAND



BIKE LANE - FOR 2-LANE ROADWAYS AND 4-LANE DIVIDED ROADWAYS
(4-LANE DIVIDED WITH RIGHT TURN LANE SHOWN)

GENERAL NOTES

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
2. MINIMUM OF ONE PER BLOCK. MAXIMUM OF 250 FEET.
3. DOTTED LINES (3' LINE, 9' GAP) SHOULD BE USED 50 FEET TO 200 FEET IN ADVANCE OF AN INTERSECTION WHERE THERE IS NO RIGHT TURN ONLY LANE AND THERE IS HEAVY RIGHT TURN TRAFFIC OR THERE IS A NEAR-SIDE BUS STOP. AT OTHER INTERSECTIONS WHERE RIGHT TURN TRAFFIC IS LIGHT TO MODERATE, A SOLID LINE CAN BE USED UP TO THE INTERSECTION.
4. IF SIGNED AND/OR MARKED AS A BICYCLE FACILITY INCLUDE SECOND LINE OF LINE-SPACE MARKING, OTHERWISE DO NOT.
5. BIKE ACCOMODATION IS TYPICALLY 5 FEET WIDE AND A MINIMUM OF 4 FEET FROM A LONGITUDINAL JOINT. USE 5 FEET AT 45 MPH.
6. OMIT THESE MARKINGS FOR WIDER TURN LANE APPLICATIONS (MINIMUM OF 15 FEET WIDE TURN LANE).
7. REFER TO CONTRACT PLANS FOR LANE WIDTH.

DIRECTION OF TRAVEL

BICYCLE LANE MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 647 ...EER

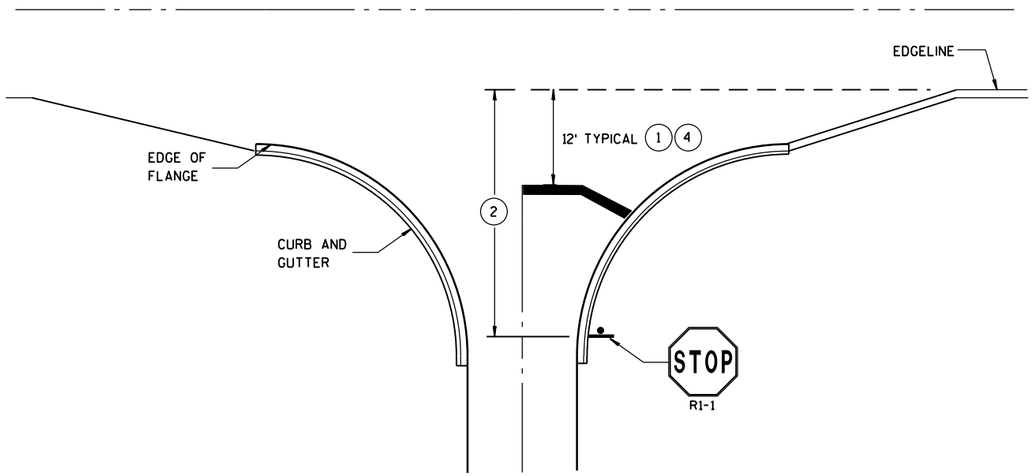
FHWA

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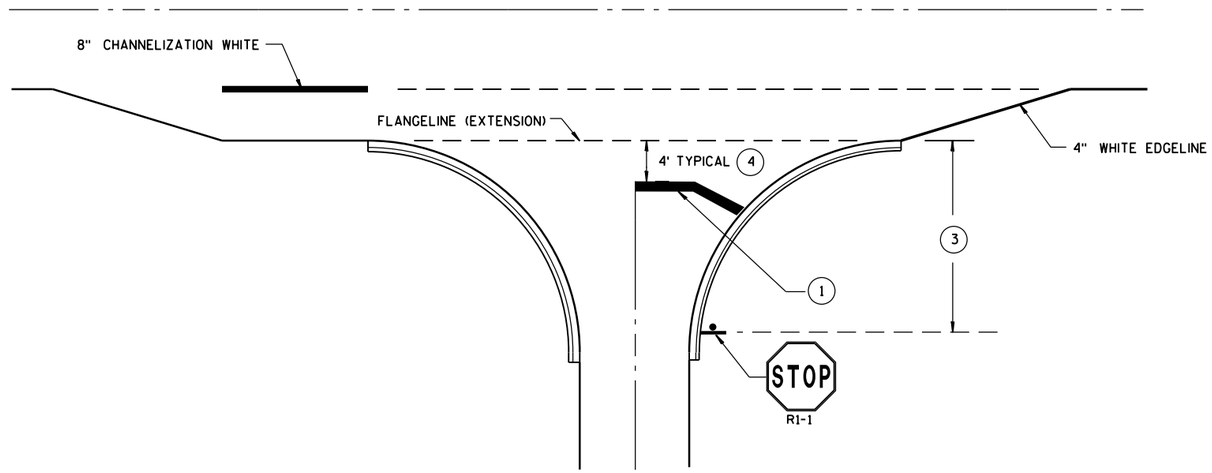
S.D.D. 15 C 29-6a

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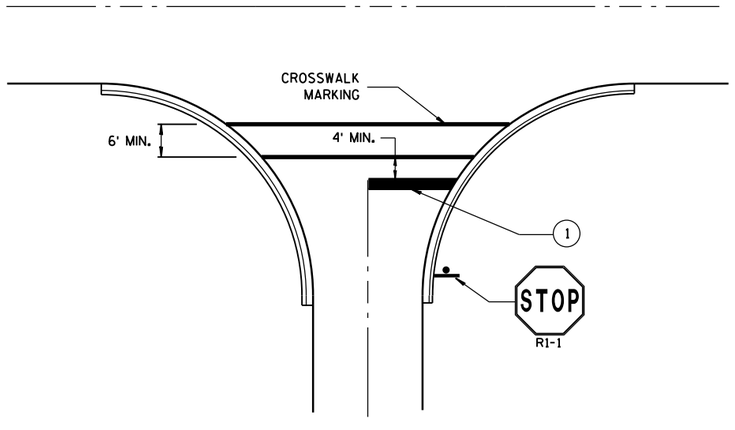
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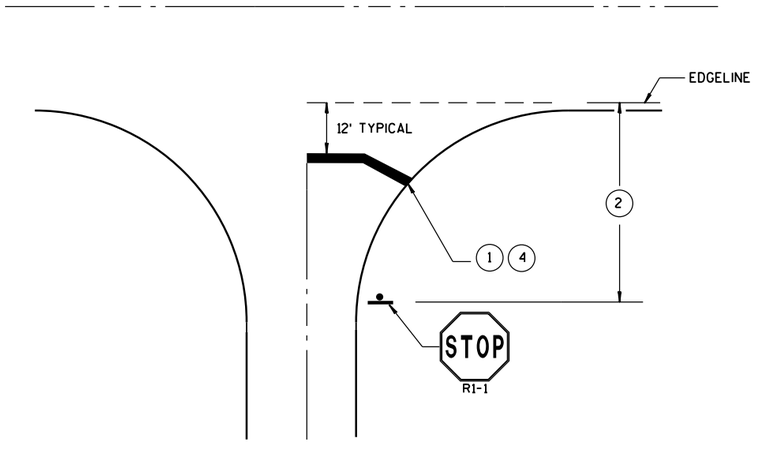
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

(1) 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.

(2) IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.

(3) IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.

(4) MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES. (NO CLOSER THAN 4 FEET).

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept., 2017 — DATE

/S/ Matthew R. Rauch — STATE SIGNING AND MAR 648 NEER

FHWA

6

S.D.D. 15 C 33-3

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR CLOSING RIGHT LANE - REVERSE FOR CLOSING LEFT LANE.

ALL SIGNS ARE 48" x 48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED OR AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE 4 OR MORE CONTINUOUS DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

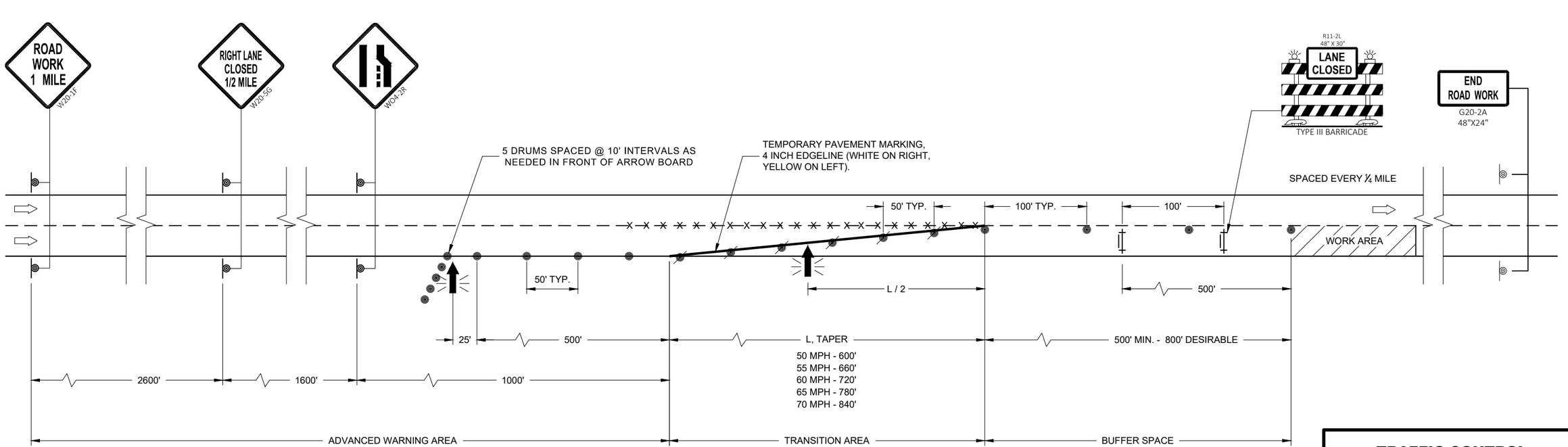
WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP OR INTERSECTION. THE LANE CLOSURE MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE ONE HALF THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

CONSIDER ROADWAY GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS.

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- TRAFFIC CONTROL DRUM
- TYPE "A" WARNING LIGHT (FLASHING)
- REMOVING PAVEMENT MARKING
- DIRECTION OF TRAFFIC
- WORK AREA
- FLASHING ARROW BOARD



TRAFFIC CONTROL LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

649

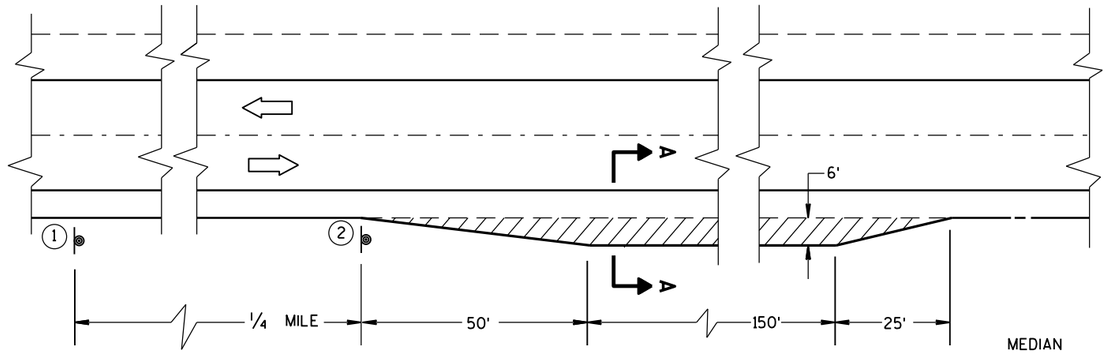
FHWA

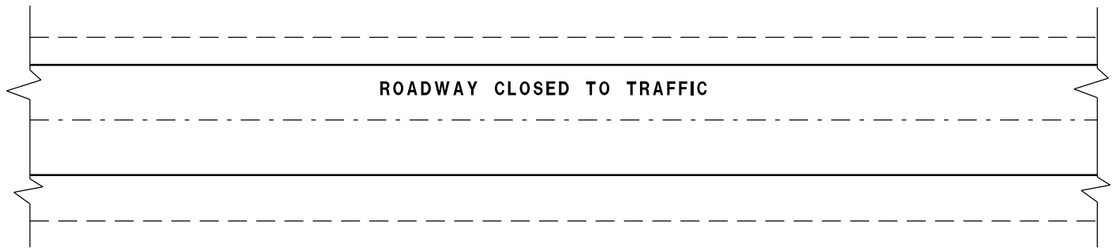
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SDD 15D12 - 07a

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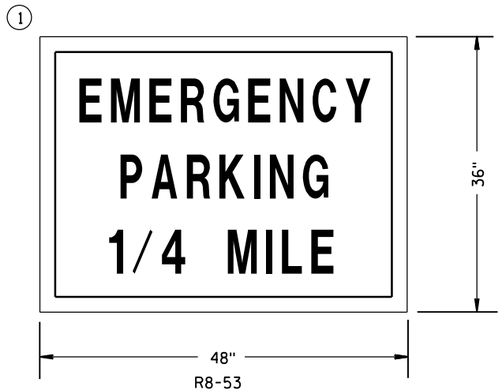
SDD 15D12 - 07a





PLAN VIEW

TEMPORARY EMERGENCY PULLOUTS FOR DIVIDED HIGHWAYS



SIGNS TO BE BLACK LETTERS ON WHITE REFLECTIVE BACKGROUND

SIGNS FOR TEMPORARY EMERGENCY PULLOUTS

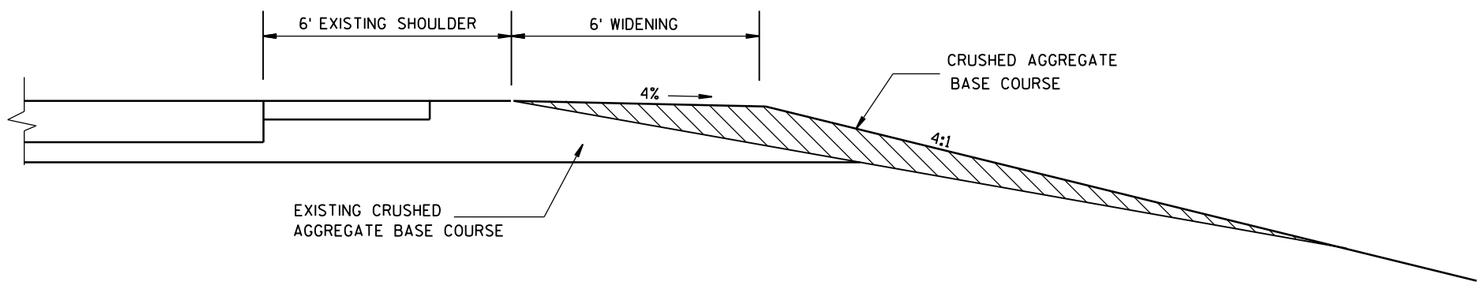
GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

TEMPORARY EMERGENCY PULLOUTS AND SIGNS SHALL BE REMOVED AND THE ROADWAY RESTORED TO ITS ORIGINAL CROSS SECTION AND CONDITION PRIOR TO REOPENING THE ROADWAY TO ONE WAY TRAFFIC.

LEGEND

- SIGN ON PERMANENT SUPPORT
- DIRECTION OF TRAFFIC



SECTION A-A

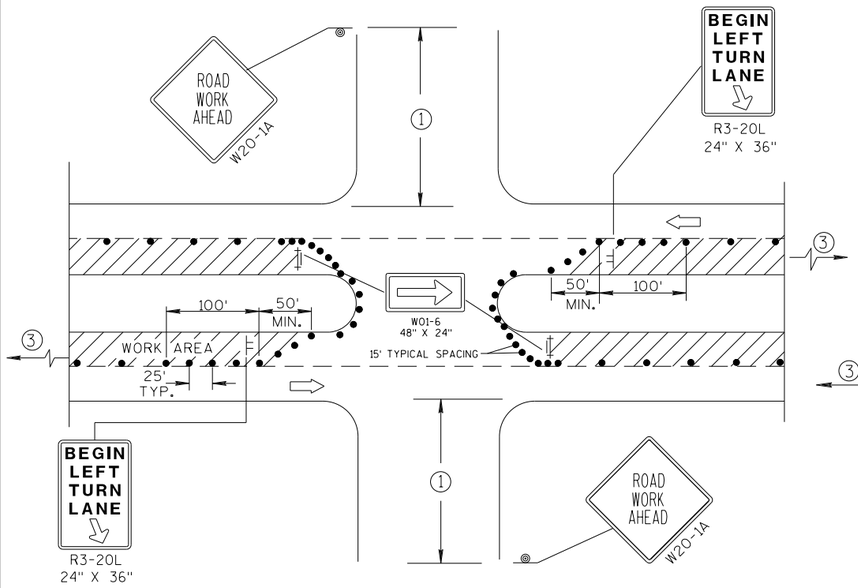
TEMPORARY EMERGENCY PULLOUTS	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED 8/2013 DATE	/S/ Travis Feltes STATE TRAFFIC ENGINEER
FHWA	SIGN 650

6

S.D.D. 15 D 13-2

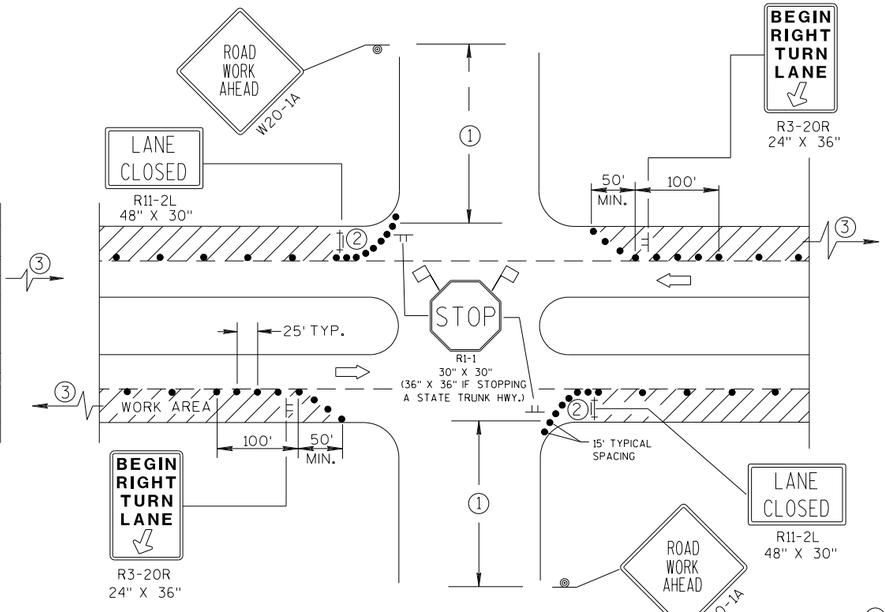
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S.D.D. 15 D 13-2



DETAIL A

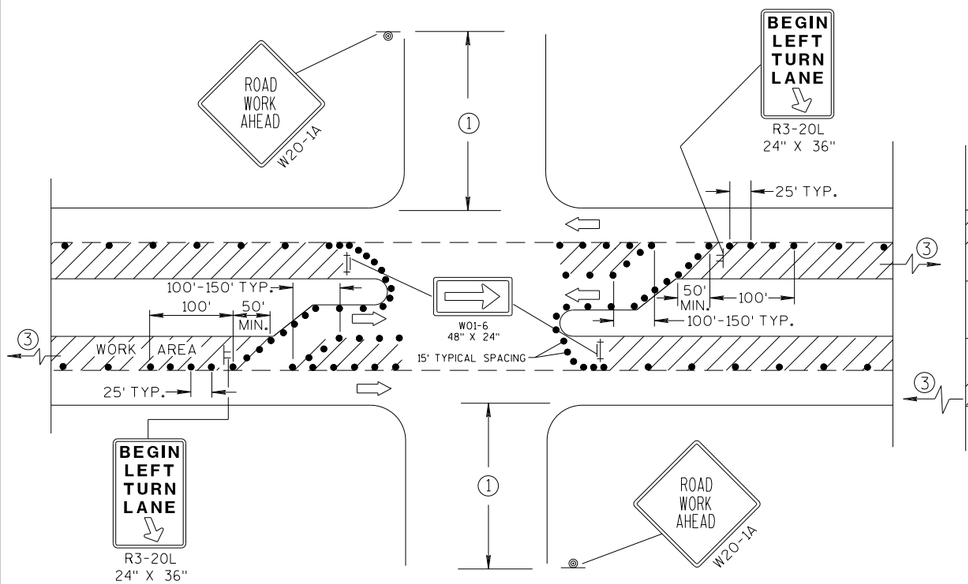
FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING



DETAIL B

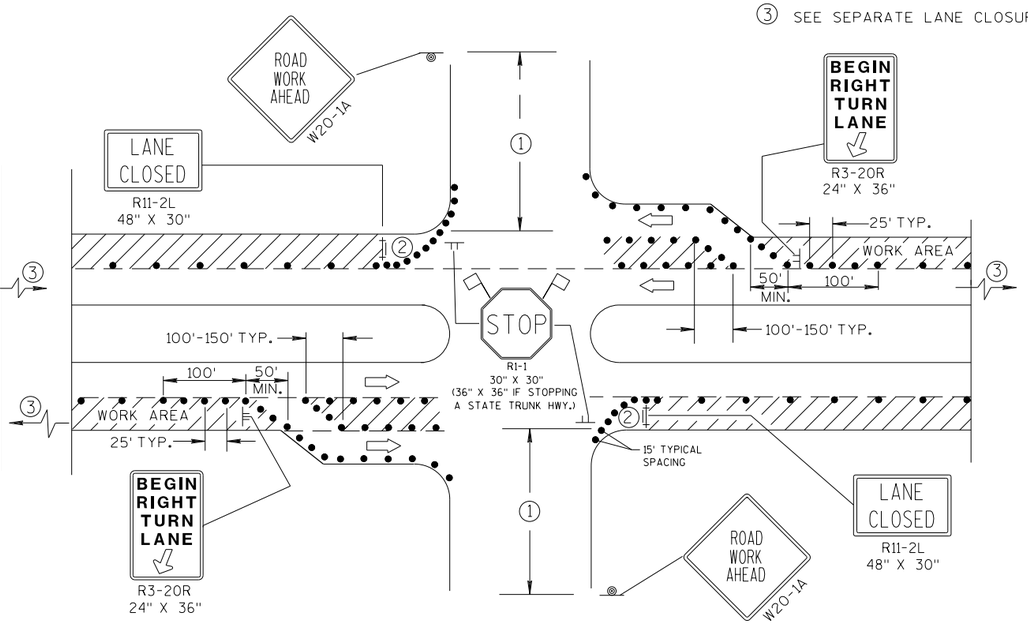
FOR RIGHT LANE CLOSURE AT INTERSECTION

PROVIDE TURN LANES AT INTERSECTIONS WHENEVER STAGING OF WORK ALLOWS. TAPER AND TURN LANE LENGTHS BASED ON FIELD CONDITIONS AS APPROVED BY THE ENGINEER.



DETAIL C

FOR LEFT LANE CLOSURE AT INTERSECTION OR MEDIAN OPENING (WITH LEFT TURN BAY OPEN)



DETAIL D

FOR RIGHT LANE CLOSURE AT INTERSECTION (WITH RIGHT TURN BAY OPEN)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE FHWA'S MANUAL OF STANDARD HIGHWAY SIGNS OR THE WISCONSIN STANDARD SIGN PLATES.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, OR THAT WILL BE PLACED IN A CLOSED LANE, MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

BARRICADES IN A CLOSED LANE THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

① 500' TYPICAL OR AT LAST INTERSECTION, WHICHEVER IS CLOSER.
350' IF 35-40 MPH.
200' IF 25-30 MPH.

② ALSO USE BARRICADE AND 15-FOOT TYPICAL DRUM SPACING AT COMMERCIAL DRIVEWAYS.

③ SEE SEPARATE LANE CLOSURE DETAIL FOR ADDITIONAL TRAFFIC CONTROL.

LEGEND

- TRAFFIC CONTROL DRUM
- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT (5' MIN. MOUNTING HEIGHT)
- TYPE III BARRICADE WITH ATTACHED SIGN AND TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- FLAGS, 16" X 16" MIN., (ORANGE)
- WORK AREA

TRAFFIC CONTROL, INTERSECTION WITHIN SINGLE LANE CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/2018
DATE

/S/ Andrew Heldtke
WORK ZONE ENG

FHWA

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S.D.D. 15 D 21-6

LEGEND

- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- DIRECTION OF TRAFFIC
- WORK ZONE

TABLE A

SHOULDER TAPER LENGTH (FEET)					BUFFER SPACE (FEET)
W / S	4	6	8	10	
30	20	30	40	50	200
35	30	45	55	70	250
40	40	55	75	90	305
45	60	90	120	150	360
50	70	100	135	170	425
55	75	110	150	185	495

W = SHOULDER WIDTH (FEET
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

TAPER LENGTH

L= WS AT 45 MPH OR GREATER
L = WS² / 60 AT 40 MPH OR LESS

SHOULDER TAPER LENGTH = 1/3L

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

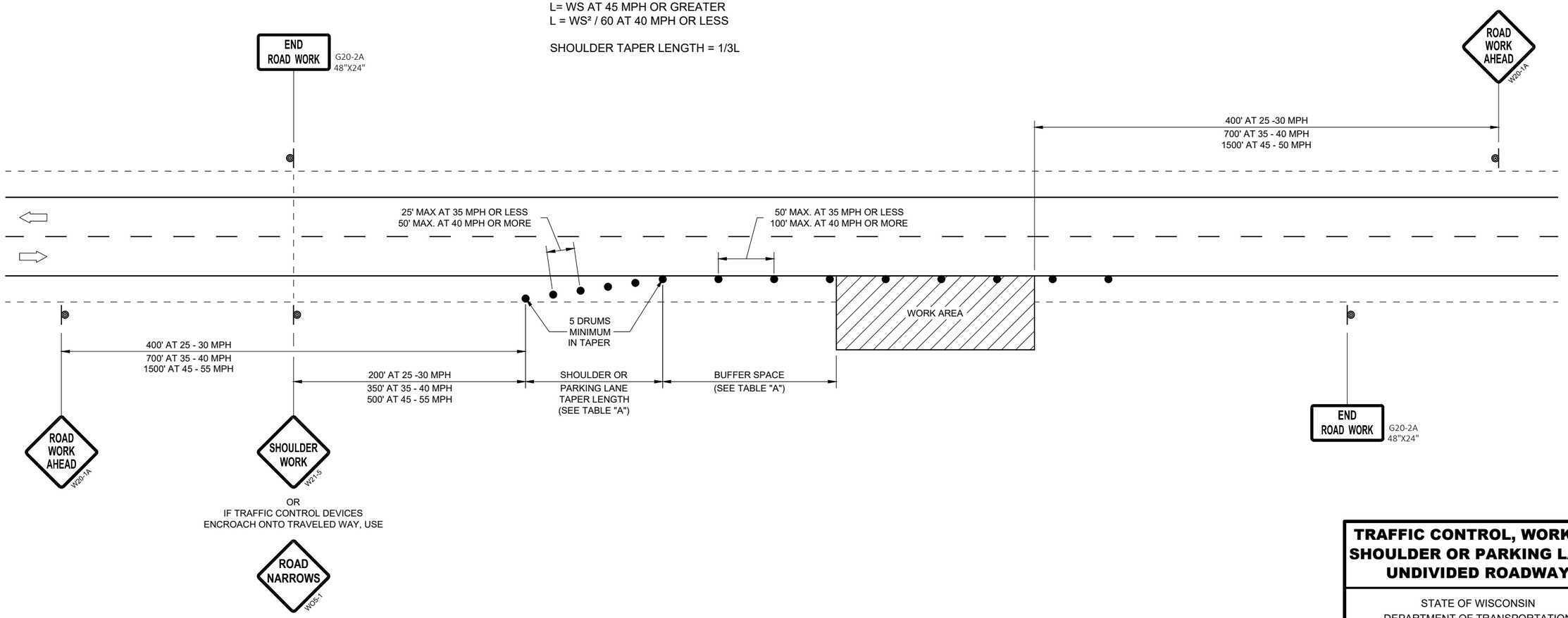
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY RESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
August 2019
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

652

6

SDD 15D28 - 03

6

SDD 15D28 - 03

LEGEND

SIGN ON TEMPORARY SUPPORT

SIGN ON PERMANENT SUPPORT

TYPE III BARRICADE

TYPE III BARRICADE WITH ATTACHED SIGN

TYPE "A" WARNING LIGHT (FLASHING)

DIRECTION OF TRAFFIC

FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

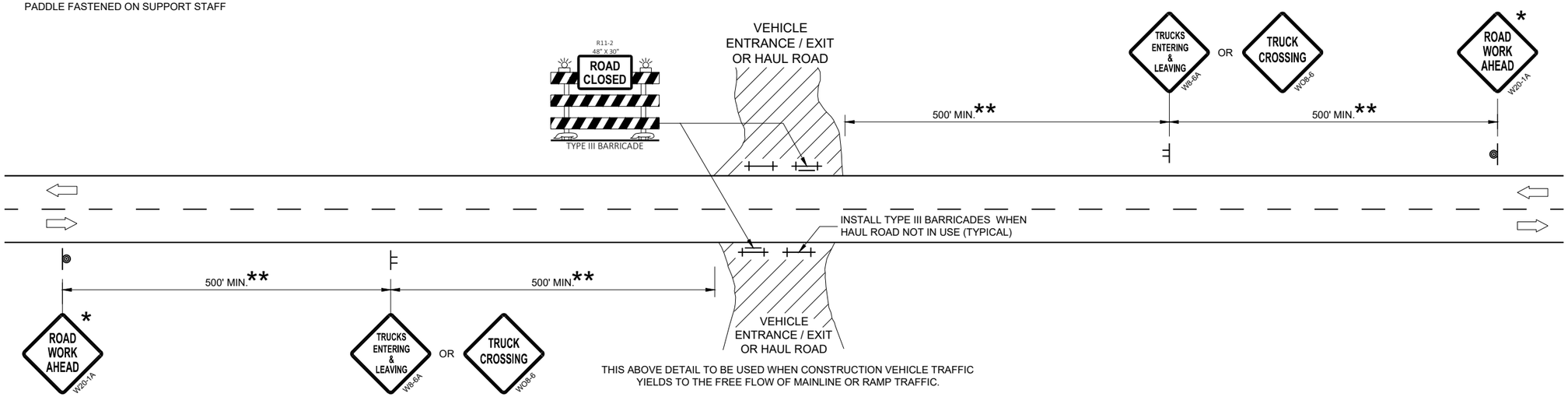
WHEN ACTIVITY REFLECTED BY THE SIGN IS NOT CURRENTLY TAKING PLACE, THE HIGHWAY SHALL BE RESTORED TO NORMAL CONDITION AND THE SIGNS SHALL BE REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC.

WHEN A SIDE ROAD OR RAMP INTERSECTS WITHIN THE ADVANCE SIGNING AREA, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND / OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

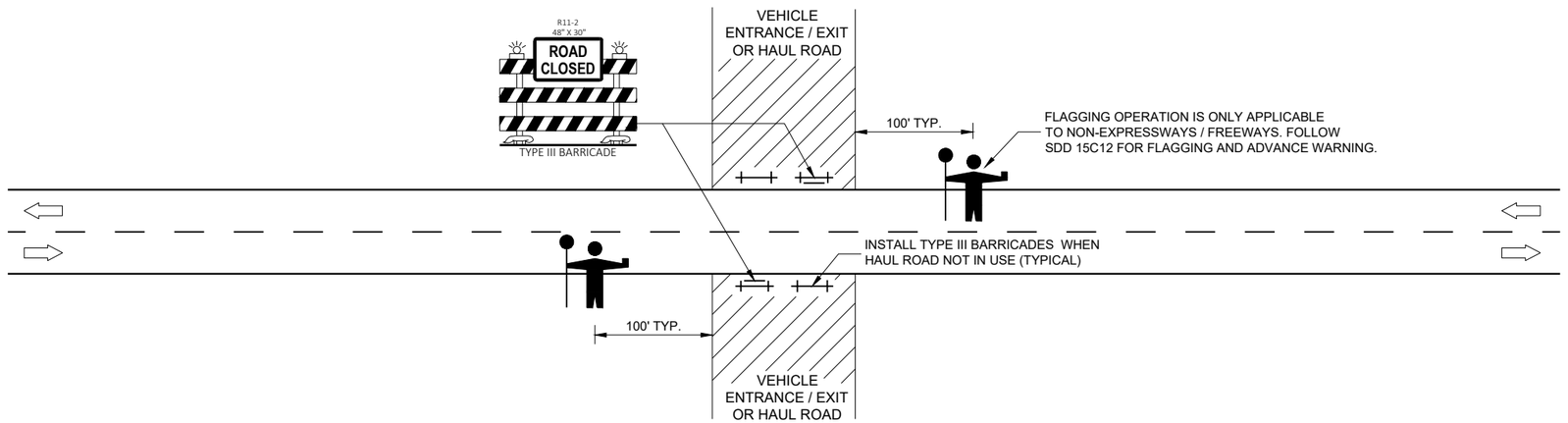
PLACE SIGNS ON BOTH SIDES IF USED ON DIVIDED HIGHWAY.

* THESE SIGNS ARE TO BE USED ONLY WHEN VEHICLE ENTRANCE / EXIT CONDITIONS ARE SEPARATED BY MORE THAN TWO MILES FROM PREVIOUS WORK AREA OR SIGNING OR AS DIRECTED BY THE ENGINEER.

** 500 FEET SHOWN IS FOR ROADWAYS WITH A NON-CONSTRUCTION REGULATORY SPEED LIMIT OF 45 MPH OR MORE. FOR 35 -40 MPH, USE 350 FEET. FOR 25-30 MPH, USE 200 FEET. USE 1000-1500 FEET FOR EXPRESSWAY / FREEWAY.



THIS ABOVE DETAIL TO BE USED WHEN CONSTRUCTION VEHICLE TRAFFIC YIELDS TO THE FREE FLOW OF MAINLINE OR RAMP TRAFFIC.



THIS DETAIL TO BE USED WHEN CONSTRUCTION WORK INCLUDING TRUCKING ACTIVITY REQUIRES MAINLINE TRAFFIC TO BE TEMPORARILY STOPPED IN ONE OR BOTH DIRECTIONS. DELAY TO HIGHWAY TRAFFIC SHALL BE MINIMIZED.

TRAFFIC CONTROL, VEHICLE ENTRANCE/EXIT OR HAUL ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

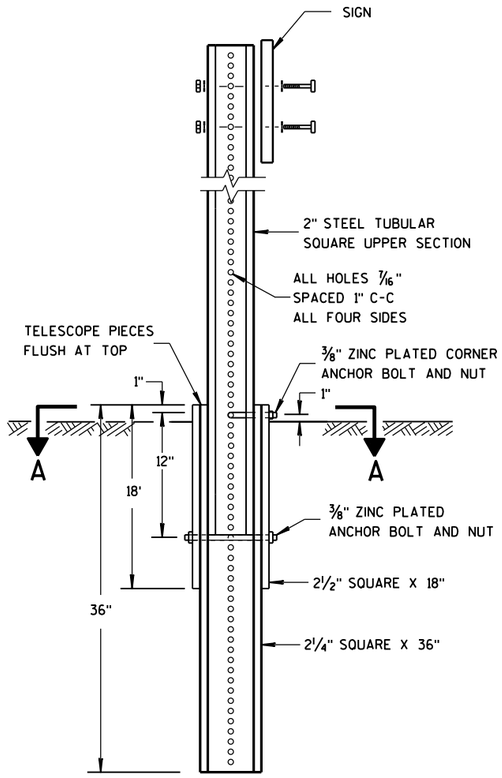
APPROVED
June 2017
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

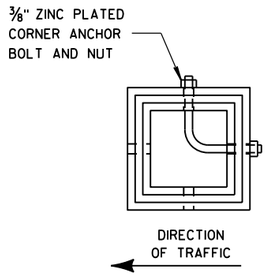
FHWA

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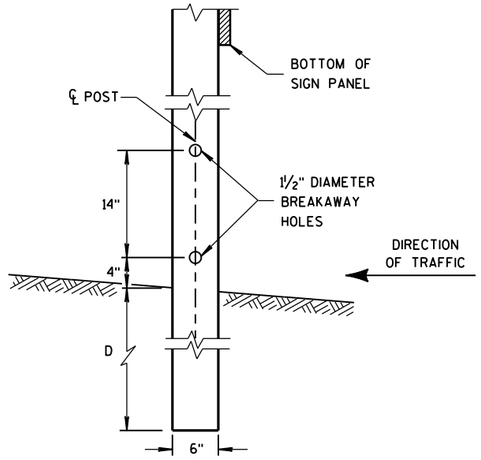
SDD 15D29 - 05



DETAIL OF TUBULAR STEEL SIGN POST



SECTION A-A



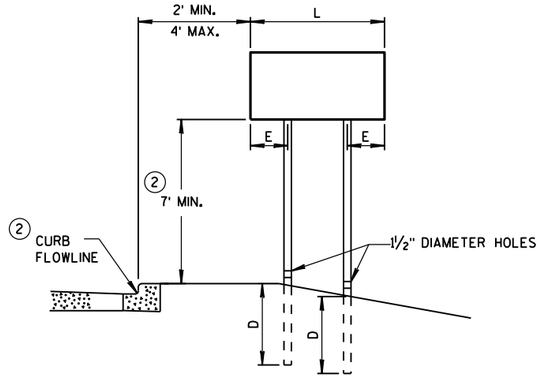
4"x6" WOOD POST MODIFICATION

GENERAL NOTES

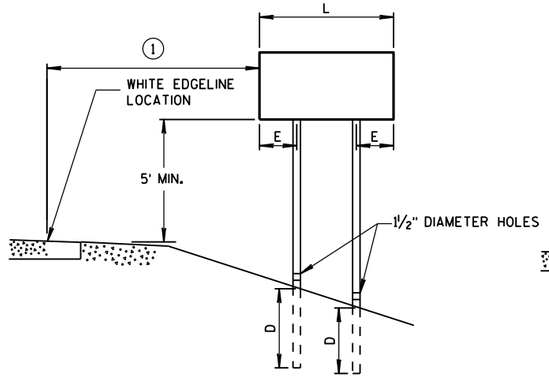
(1) 6 FEET FROM THE EDGE OF PAVEMENT (EDGE LINE LOCATION) UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER. LATERAL OFFSET SHOULD BE ADJUSTED TO AVOID THE DITCH FLOWLINE.

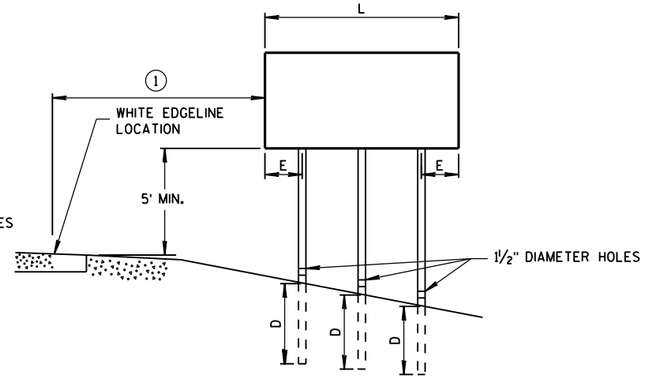
(2) THE EXISTENCE OF CURB AND GUTTER DOES NOT IN ITSELF MANDATE THE VERTICAL CLEARANCE ILLUSTRATED. THAT HEIGHT IS TYPICALLY MEASURED WHERE THERE IS SIDEWALK ADJACENT TO THE ROADWAY OR PARKING IS PERMITTED. IN THE ABSENCE OF SIDEWALK, VERTICAL CLEARANCE IS MEASURED FROM THE TOP OF THE CURB. IF NO SIDEWALK AND NO PARKING, VERTICAL CLEARANCE MAY BE REDUCED TO 5 FOOT MINIMUM. OFFSET OF SIGNS IS MEASURED FROM THE CURB FLOWLINE.

(3) FOR SIGNS REQUIRING 4 POSTS, SPACE INTERMEDIATE POSTS EVENLY.



URBAN AREA





RURAL AREA

POST MOUNTING DETAIL FOR TEMPORARY TRAFFIC CONTROL FIXED MESSAGE SIGNS

TUBULAR STEEL POSTS

AREA OF SIGN INSTALLATION (SQ. FT.)	NUMBER OF REQUIRED TUBULAR STEEL POSTS
9 OR LESS	1
GREATER THAN 9 LESS THAN OR EQUAL TO 18	2
GREATER THAN 18 LESS THAN OR EQUAL TO 27	3

SIGNS WIDER THAN 3 FEET OR LARGER THAN 9 SQ. FT. SHALL BE MOUNTED ON MULTIPLE POSTS (SEE ABOVE TABLE).

SIGNS LARGER THAN 27 SQ. FT. SHALL NOT BE MOUNTED ON TUBULAR STEEL POSTS.

WOOD POST EMBEDMENT DEPTH

AREA OF SIGN INSTALLATION (SQ. FT.)	D (MIN)
20 OR LESS	4'
GREATER THAN 20	5'

4" X 6" WOOD POST

POST SPACING REQUIREMENTS		NUMBER OF WOOD POSTS REQUIRED
L	E	
48" OR LESS AND LESS THAN 20 SQ. FT.	-	1
LESS THAN 60"	12"	2
60" TO 120"	L/5	2
GREATER THAN 120" LESS THAN 168"	12"	3
168" AND GREATER	12"	4

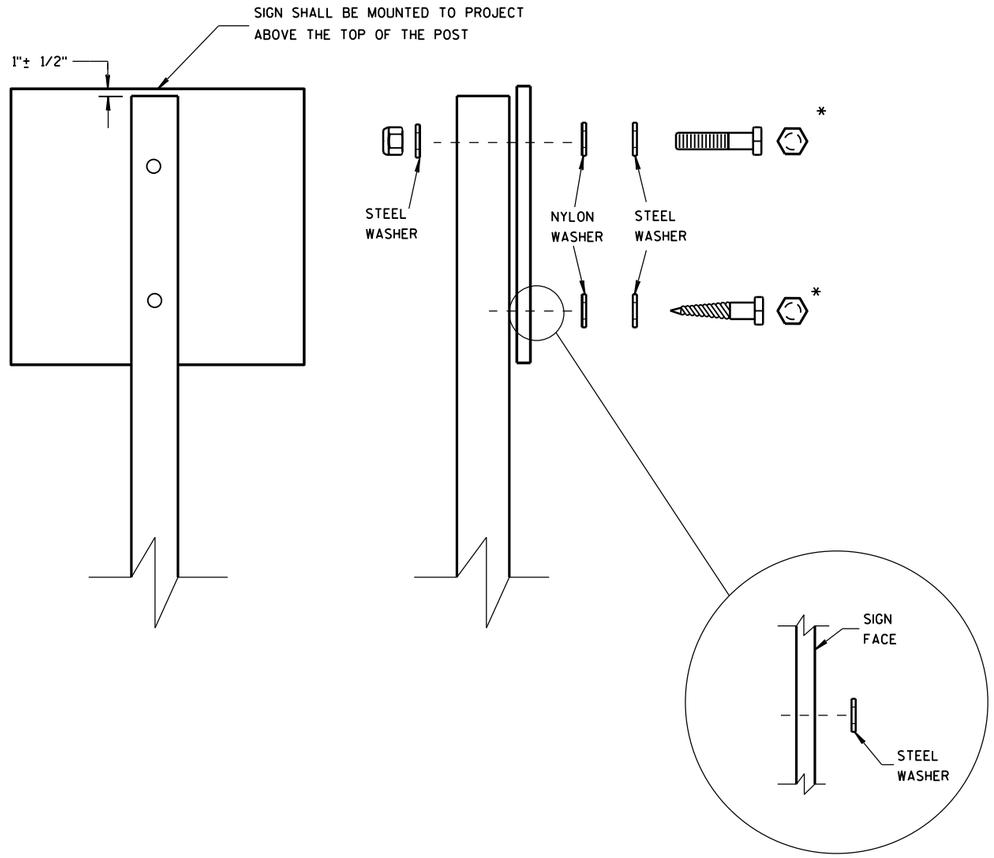
SEE NOTE (3)

TEMPORARY TRAFFIC CONTROL SIGN MOUNTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 15 D 38-2a



WASHER PLACEMENT WHEN SIGN HAS OTHER THAN TYPE H OR TYPE F FACE

NUTS, BOLTS AND LAGS USED FOR MOUNTING SIGNS SHALL HAVE HEXAGONAL HEADS AND SHALL BE EITHER:

A. HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: A 153, CLASS D, OR SC 3

B. ELECTRO-GALVANIZED IN ACCORDANCE WITH ASTM DESIGNATION: B 633, TYPE III, SC 3

THREADS ON BOLTS AND NUTS SHALL BE MANUFACTURED WITH SUFFICIENT ALLOWANCE FOR THE CADMIUM PLATE OR GALVANIZED COATING TO PERMIT THE NUTS TO RUN FREELY ON THE BOLTS.

WOOD POSTS (4" x 4" or 4" x 6")

LAG SCREWS - 3/8" X 3"

MACHINE BOLTS - 5/16" X 6-1/2" OR 7" LENGTH W/ NUTS

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" LENGTH W/ NUTS

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL

1-1/4" O.D. X 3/8" I.D. X .080 NYLON FOR ALL TYPE H SIGNS

* TWO DIFFERENT FASTENING SYSTEMS ARE SHOWN FOR ILLUSTRATION PURPOSES. ON ANY INDIVIDUAL SIGN, EITHER ONE OR THE OTHER SYSTEM SHALL BE USED. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA. FOR A SINGLE POST INSTALLATION, ALL SIGNS GREATER THAN 9 SQ. FT. REQUIRE THE USE OF 3 FASTENERS.

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6

S.D.D. 15 D 38-2b

S.D.D. 15 D 38-2b

ATTACHMENT OF SIGNS TO POSTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENG 655

FHWA

LEGEND

- TYPE III BARRICADE WITH ATTACHED SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC CONTROL DRUM
- TRAFFIC CONTROL DRUM WITH TYPE "C" STEADY BURN LIGHT
- (A) TYPE "A" WARNING LIGHT (FLASHING)
- DIRECTION OF TRAFFIC
- WORK AREA
- REMOVING PAVEMENT MARKING (SEE GENERAL NOTES)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR SHIFTING RIGHT LANE - REVERSE FOR SHIFTING LEFT LANE.

ALL SIGNS ARE 48"×48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.

CONSIDER GEOMETRICS WHEN LOCATING SIGNS AND ARROW BOARD SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARD AND LANE CLOSURE DRUMS FOR A MINIMUM 1500 FEET IN FRONT OF DRUMS.

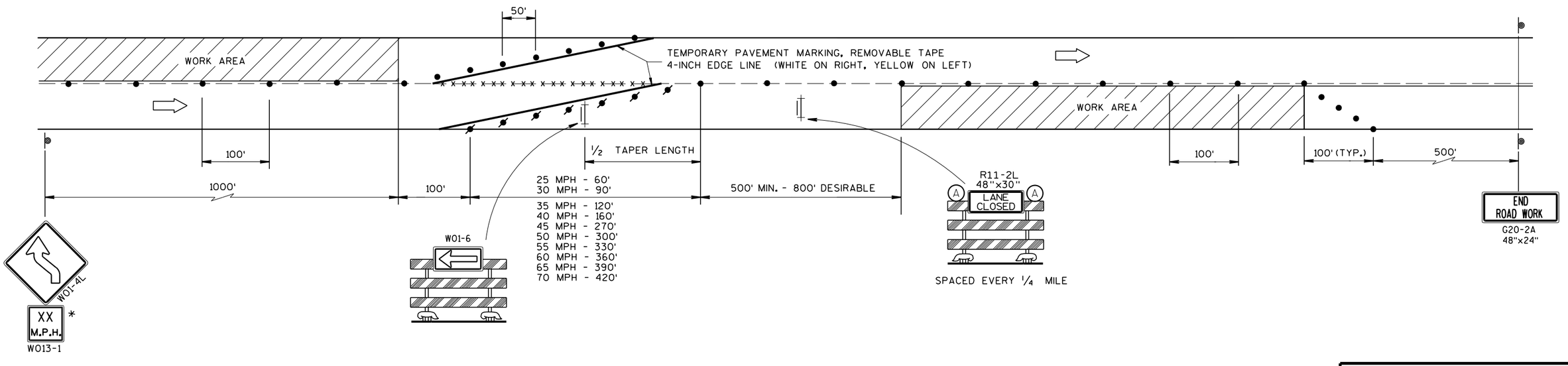
FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

WARNING LIGHTS ARE NOT REQUIRED IF THE LANE CLOSURE IS A DAYTIME ONLY OPERATION.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE CLOSURE OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE CLOSURE MUST MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.



* USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED

LANE SHIFT MULTI-LANE DIVIDED OR ONE WAY ROAD

TRAFFIC CONTROL, LANE SHIFT, MULTI-LANE DIVIDED OR ONE WAY ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018
DATE
FHWA

/S/ Andrew I
WORK ZONE E

656

6

6

S.D.D. 15 D 40-1

S.D.D. 15 D 40-1

LEGEND

TYPE III BARRICADE WITH ATTACHED SIGN

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

CONCRETE BARRIER TEMPORARY PRECAST

TYPE "A" WARNING LIGHT (FLASHING)

WORK AREA

L, TAPER LENGTH (MPH)							
SPEED (MPH)	W, LATERAL OFFSET (FT)						
	10	11	12	13	14	15	16
45	450	495	540	585	630	675	720
50	500	550	600	650	700	750	800
55	550	605	660	715	770	825	880
60	600	660	720	780	840	900	960
65	650	715	780	845	910	975	1040
70	700	770	840	910	980	1050	1120



OR



LOCATED 3000 FEET BEYOND THE "ROAD WORK 1 MILE" (W20-1F) SIGN



R2-1
48"X60"

OR



R2-1
48"X60"

(BLACK AND WHITE) LOCATED 700 FEET BEYOND THE W03-5 SIGN

IF THE REGULATORY SPEED HAS BEEN REDUCED, A SPEED LIMIT SIGN SHALL BE LOCATED 1500 FEET BEYOND THE END OF THE ACCELERATION LANE OF EACH ENTRANCE RAMP. PLACE A SPEED LIMIT SIGN INCORPORATED A MINIMUM OF EVERY 3 MILES.

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET, (500 FEET DESIREABLE) DISTANCE TO EXISTING SIGNS.

THIS LANE CLOSURE IS TYPICAL FOR LANE SHIFT RIGHT - REVERSE FOR SHIFTING LEFT.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED.

"WO" IS THE SAME AS "W" EXCEPT THE BACKGROUND IS ORANGE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

FOR A LANE CLOSURE THAT IS IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS, THE ADVANCED WARNING SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS.

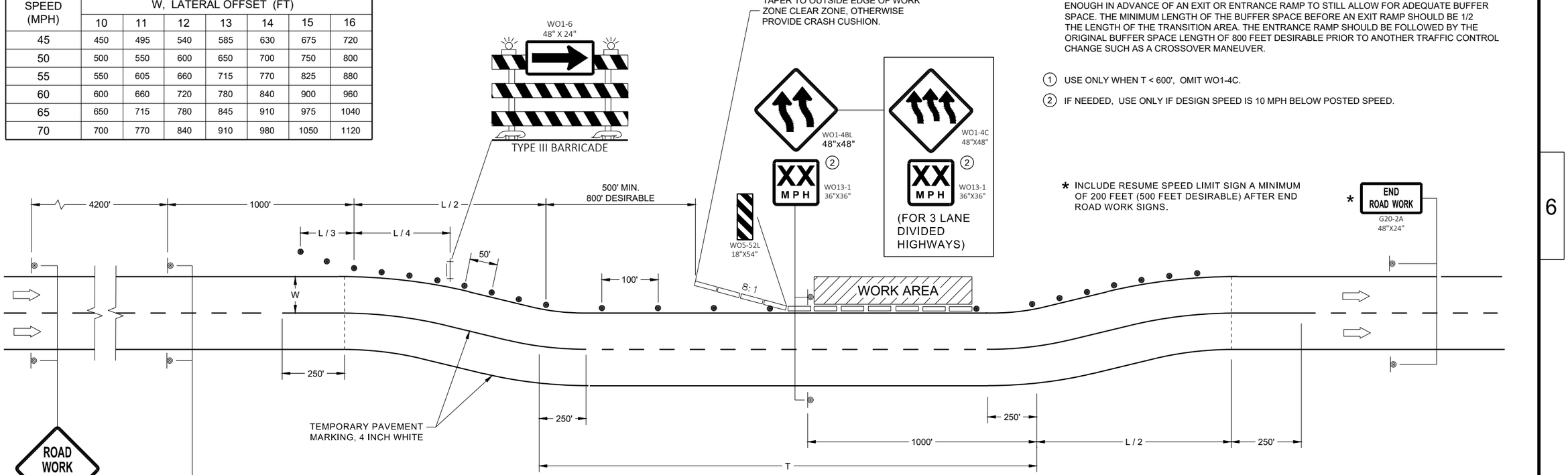
REMOVE PAVEMENT MARKINGS IF LANE CLOSURE IS TO BE IN PLACE FOR LONGER THAN 4 OR MORE DAYS AND NIGHTS.

IF THE HORIZONTAL ALIGNMENT IS SUCH THAT A CURVE MAY REQUIRE ADDITIONAL DELINEATION, THE DEVICE SPACING MAY BE DECREASED TO 50 FEET.

ADJUSTMENTS IN BUFFER SPACE NEED TO BE INCORPORATED WHEN THE LANE SHIFT OCCURS NEAR AN INTERCHANGE EXIT OR ENTRANCE RAMP. THE LANE SHIFT MUST TAKE PLACE FAR ENOUGH IN ADVANCE OF AN EXIT OR ENTRANCE RAMP TO STILL ALLOW FOR ADEQUATE BUFFER SPACE. THE MINIMUM LENGTH OF THE BUFFER SPACE BEFORE AN EXIT RAMP SHOULD BE 1/2 THE LENGTH OF THE TRANSITION AREA. THE ENTRANCE RAMP SHOULD BE FOLLOWED BY THE ORIGINAL BUFFER SPACE LENGTH OF 800 FEET DESIRABLE PRIOR TO ANOTHER TRAFFIC CONTROL CHANGE SUCH AS A CROSSOVER MANEUVER.

(1) USE ONLY WHEN T < 600', OMIT WO1-4C.

(2) IF NEEDED, USE ONLY IF DESIGN SPEED IS 10 MPH BELOW POSTED SPEED.



MULTIPLE LANE SHIFT MULTILANE DIVIDED ROAD

TRAFFIC CONTROL
MULTIPLE LANE SHIFT
MULTILANE DIVIDED ROAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2018 — DATE
/S/ Andrew Heidtke — WORK ZONE ENGINEER
657

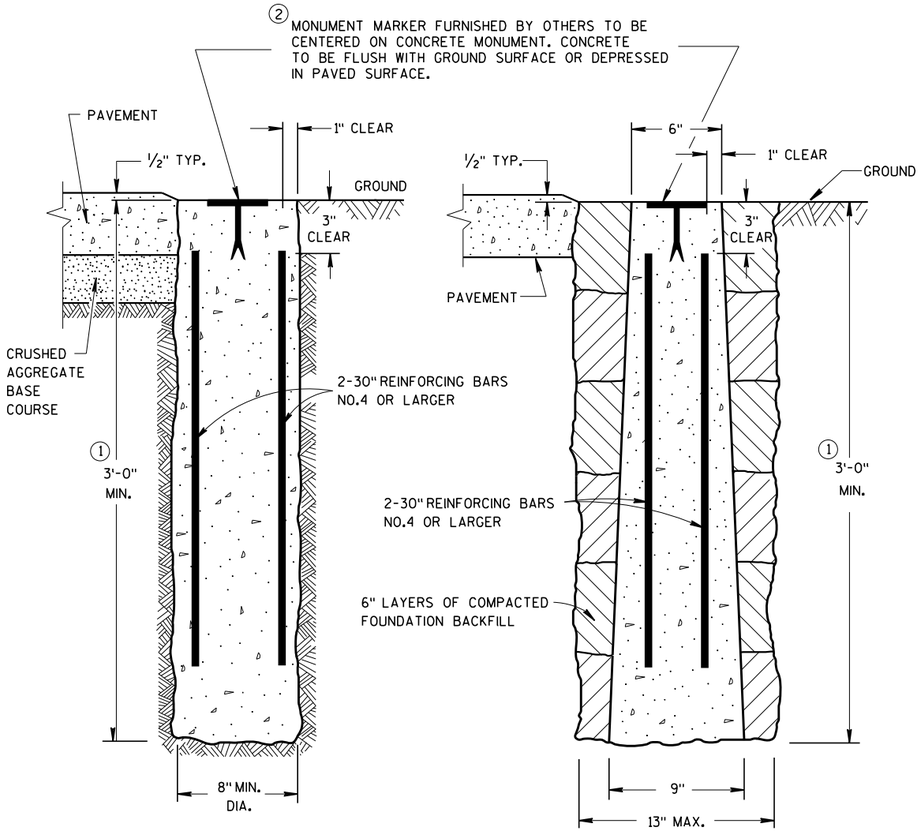
FHWA

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SDD 15D41 - 01

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SDD 15D41 - 01

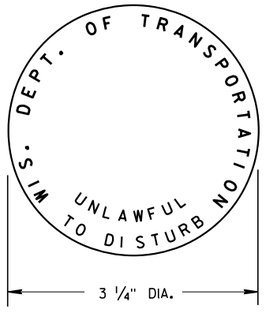


CAST-IN-PLACE

PRECAST

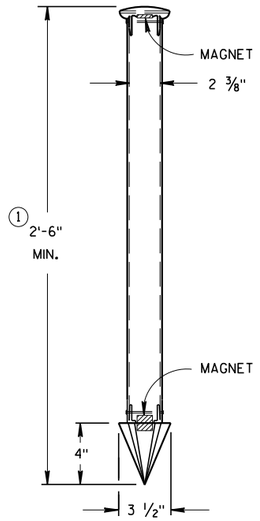
CONCRETE MONUMENTS

TYPE A



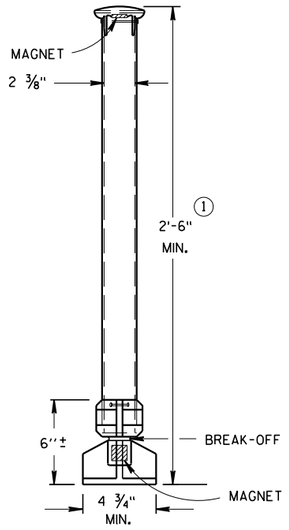
② **WIS DOT MONUMENT MARKER LOGO**

FOR TYPES "A", "C", & "D"



TYPE C

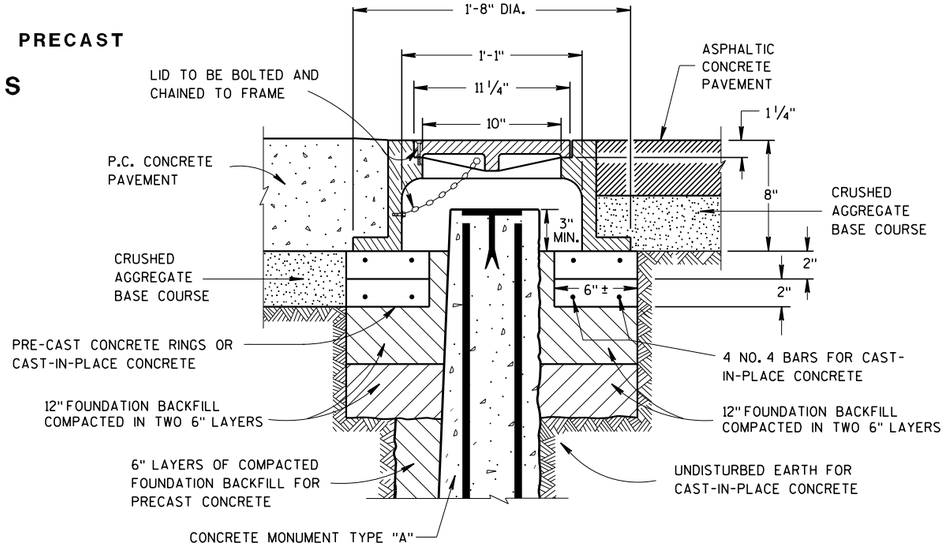
DRIVE-IN MONUMENT



TYPE D
NON-DRIVEN
BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT 95 LBS)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

PERMANENT MAGNETS SHALL BE INSERTED NEAR THE TOP AND BOTTOM OF ALL ALUMINUM MONUMENTS SO THE MONUMENT CAN EASILY BE DETECTED BY A METAL DETECTOR.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

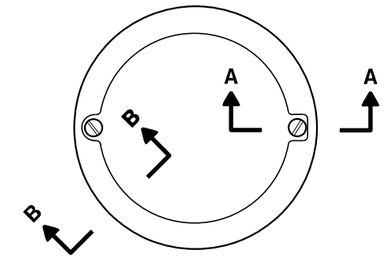
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

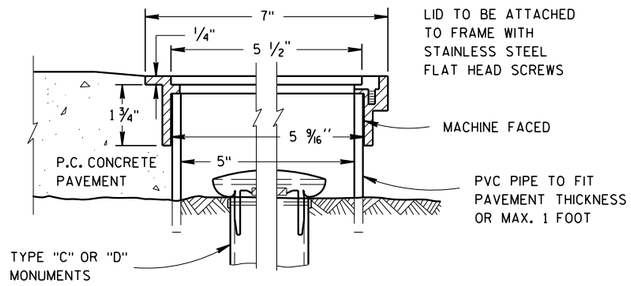
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)
(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MONUMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
March 2018 — DATE
/S/ Raymond A. Krumenyl — CHIEF SURVEYING AND MAPPING ENGINEER
FHWA

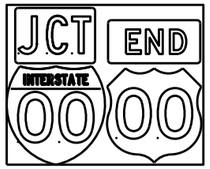
6

S.D.D. 16 A 1-7

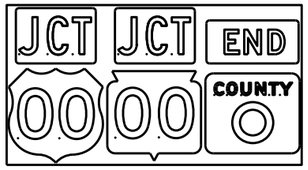
TYPICAL ASSEMBLIES



J1-1



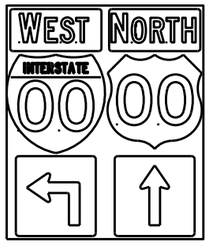
J1-2



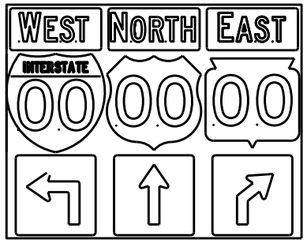
J1-3



J2-1



J2-2

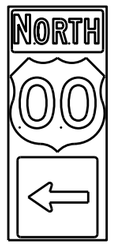


J2-3

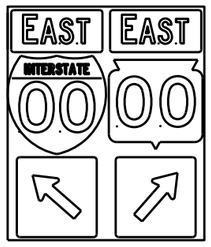


JV

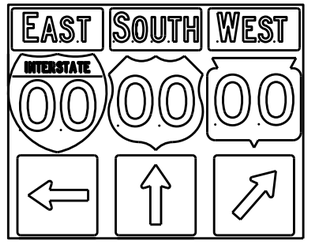
(Typical Vertical J-Assembly
See Note 10 and 11)



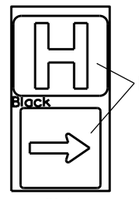
J3-1



J3-2



J3-3

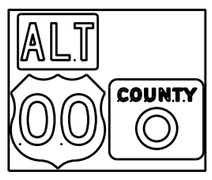


Blue Background

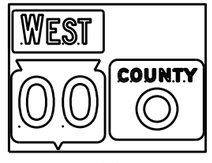
JH-1



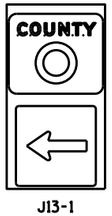
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1

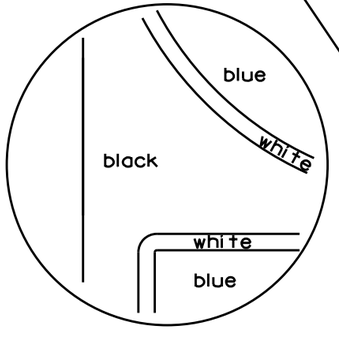


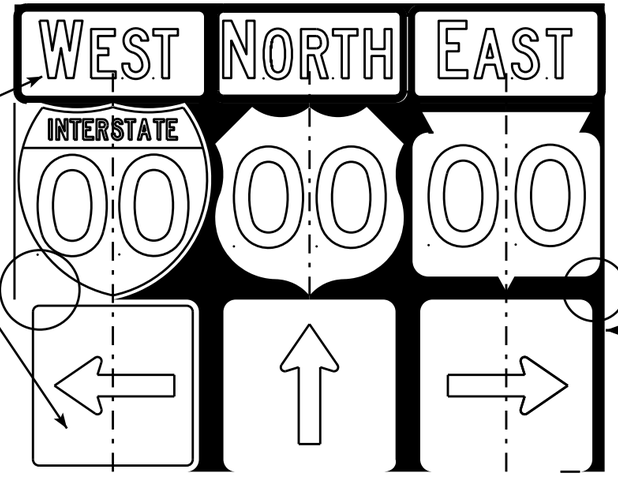
J23-1

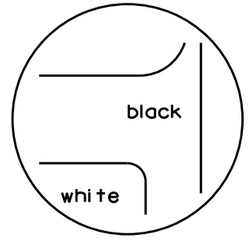


J22-1

blue background
with interstate







black background

NOTES

1. Signs are Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Black Non-reflective
   Message - see Note 5
3. Message Series - See Note 5
4. Corners shall be square or rounded if base material is plywood. If base material is metal the corners shall be rounded.
5. The colors and message spacing on each marker shall be according to the applicable route marker panel specifications.
6. Certain marker heads require the component pieces to be the same color. As an example, all the components used with an M1-1 Interstate marker shall be blue.
7. Single panel j-assemblies shall only be used with route marker shields that are same size. If the route marker shields are different size use multiple piece component.
8. Route assemblies that have 24 inch route shields and have dimensions greater than 48 inches (both vertical and horizontal) shall have one horizontal splice between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 inches or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
9. Route assemblies that have 36 inch shields and have dimensions greater than 48 inchs (both vertical and horizontal) shall have two horizontal splices. One horizontal splice shall be between the cardinal direction and route shields and the other horizontal splice shall be between the arrows and route shields. Vertical splices shall not be used on route assemblies with a horizontal dimension of 144 or less. The contractor shall not use more than one vertical joint per sign and the joint shall be between route shields.
10. All Vertical J Assemblies are given a Sign Code of JV
11. For JV Assemblies that have a mixture of Interstate and non Interstate shields, arrows and cardinals shall be white on blue.

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/06/14 PL... A2-1S.8

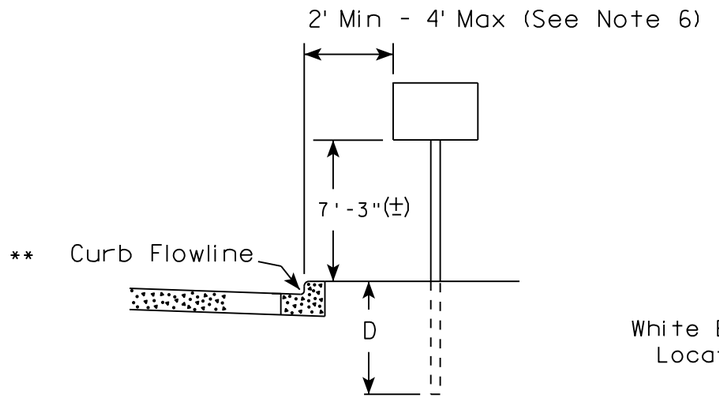
PROJECT NO:

SHEET NO: E

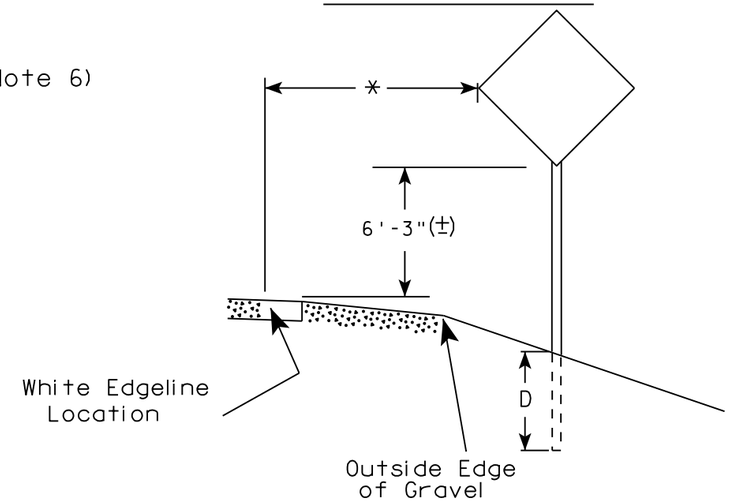
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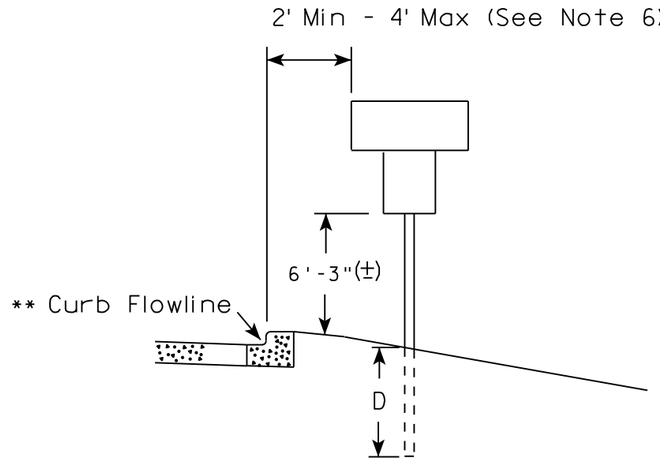
WISDOT/CADDS SHEET 42

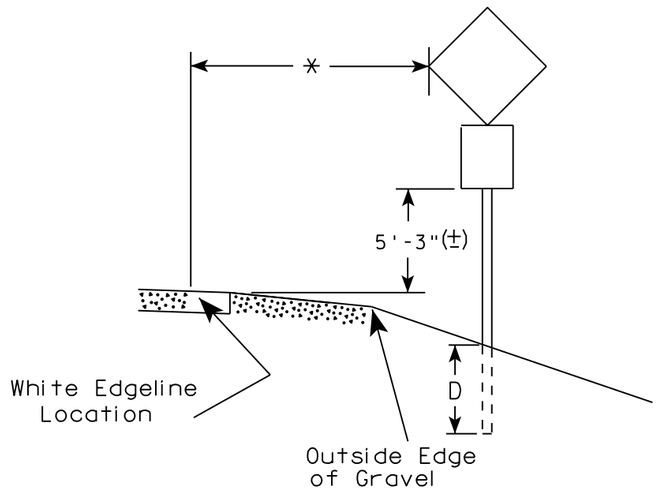
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on barrier wall, see A4-10 sign plate.
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. J-Assemblies are considered to be one sign for mounting height.
5. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. The (±) tolerance for mounting height is 3 inches.
8. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.
9. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

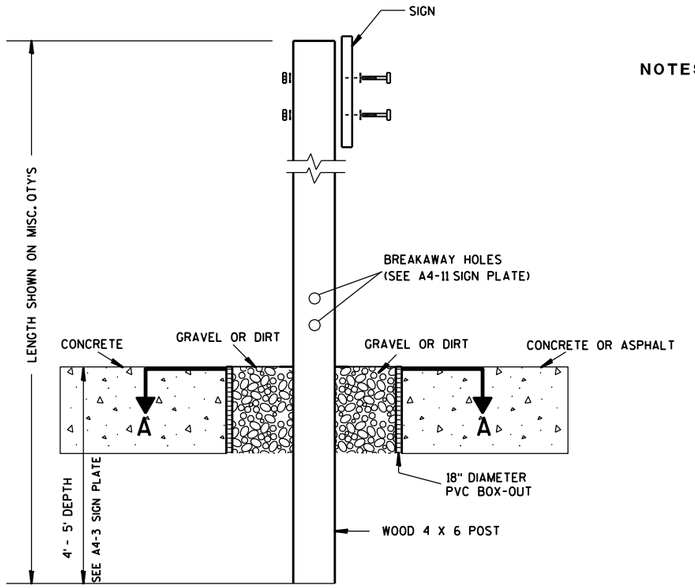
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-3.21

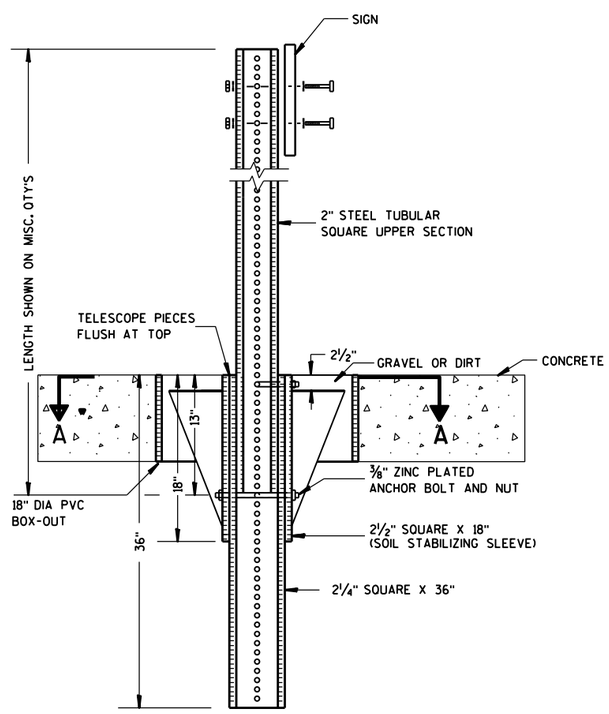
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 660	E



ELEVATION VIEW

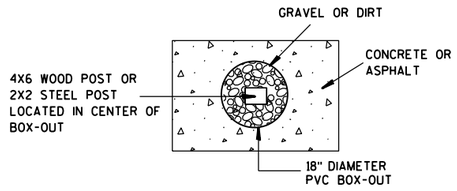
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

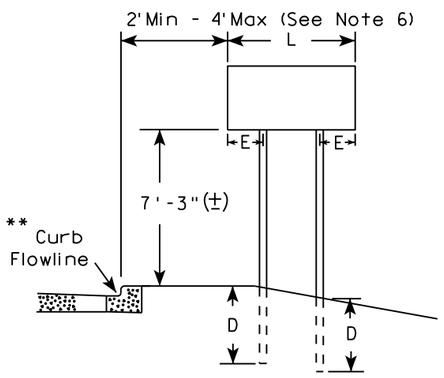
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

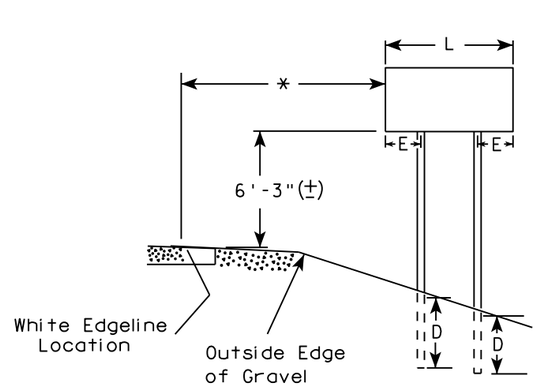
DATE 1/27/14 PLATE NO. A4-3B.1

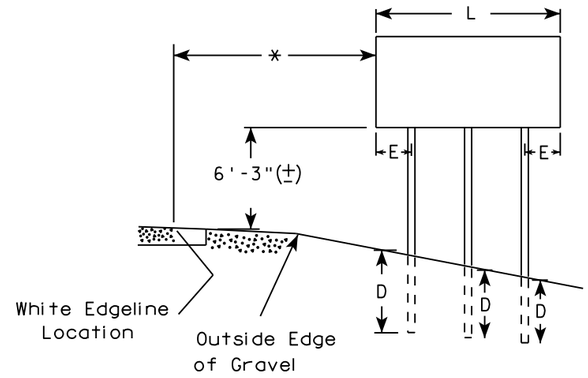
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

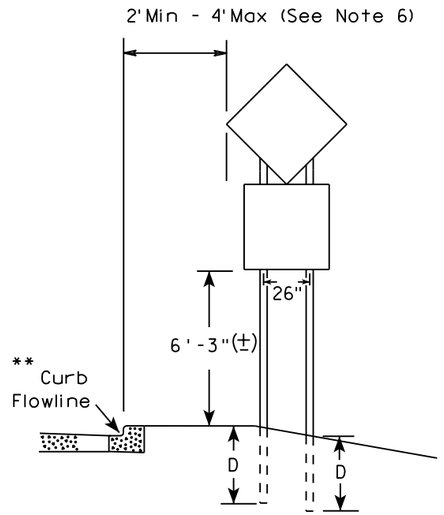
URBAN AREA



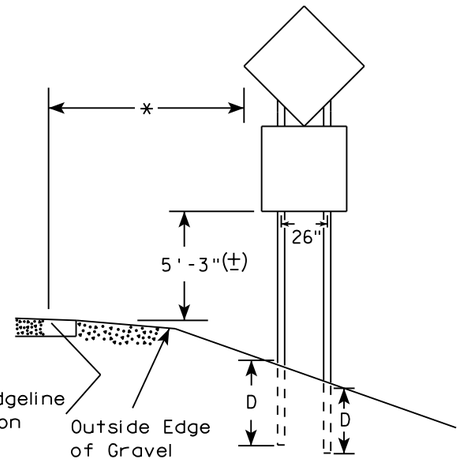
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)		
	L	E
***	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

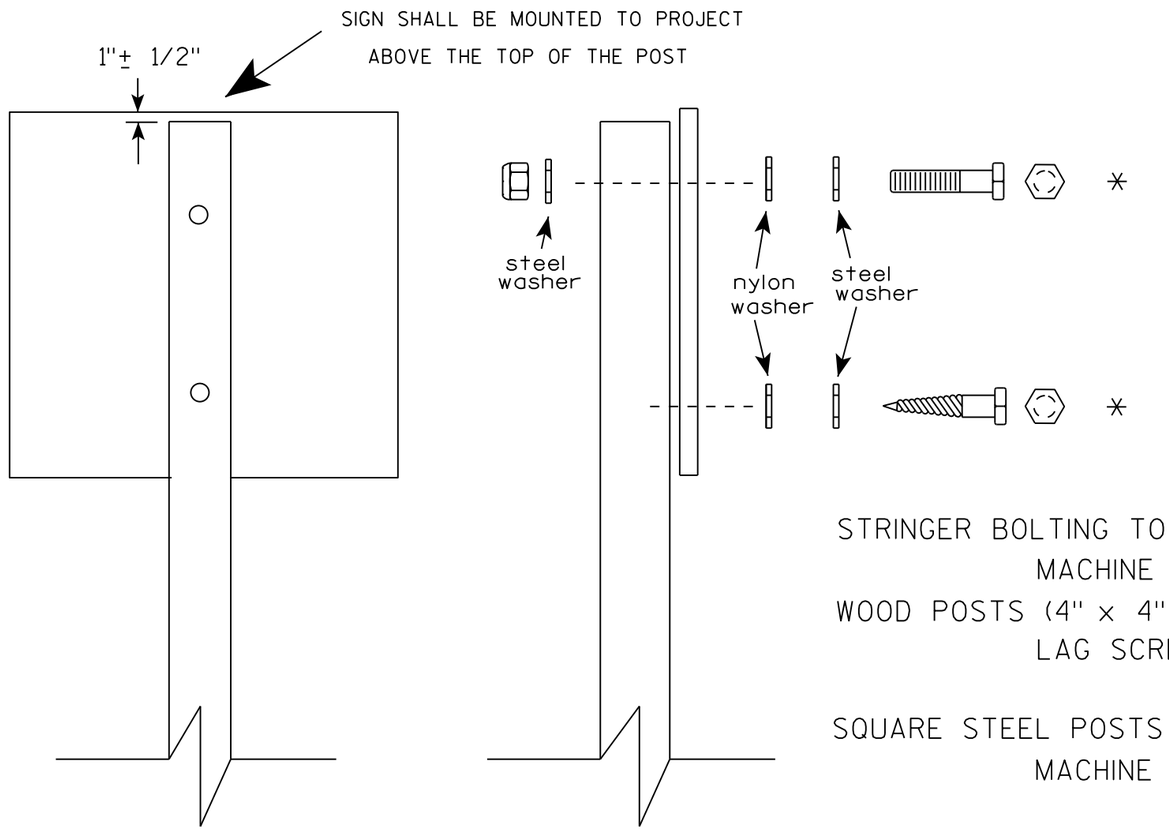
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 662	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)
MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts
WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)
SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH
WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

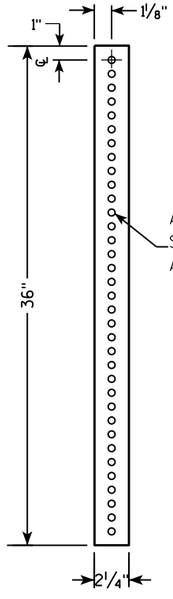
DATE 8/11/16 PLATE NO. A4-8.8

PROJECT NO: SHEET NO: E

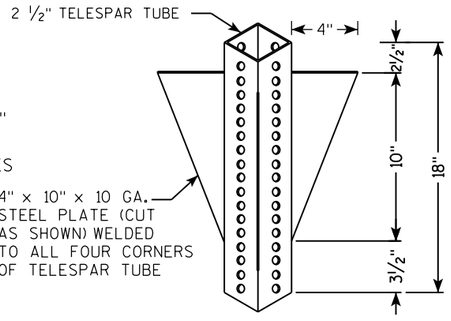
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A48.DGN PLOT DATE : 11-AUG-2016 11:35 PLOT BY : $$ plotuser $$

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

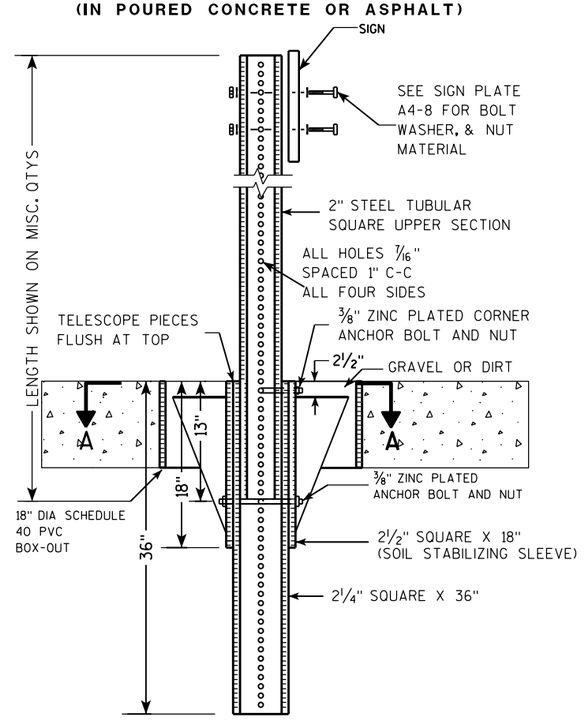
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



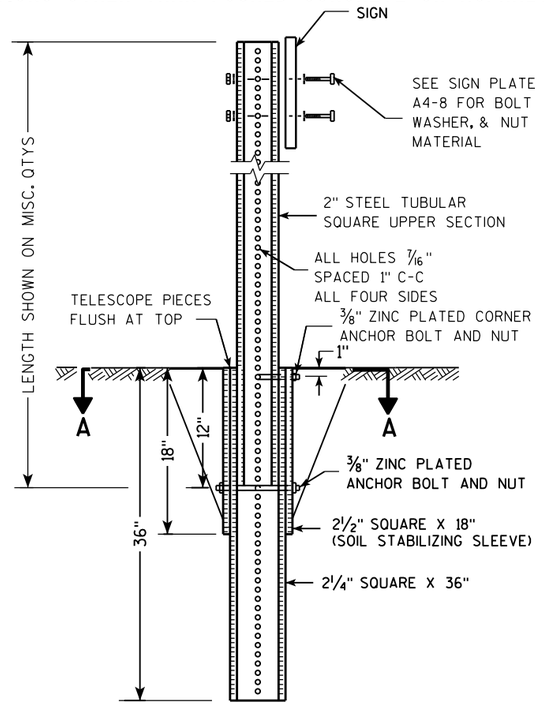
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

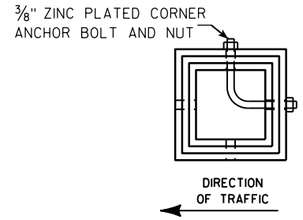


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

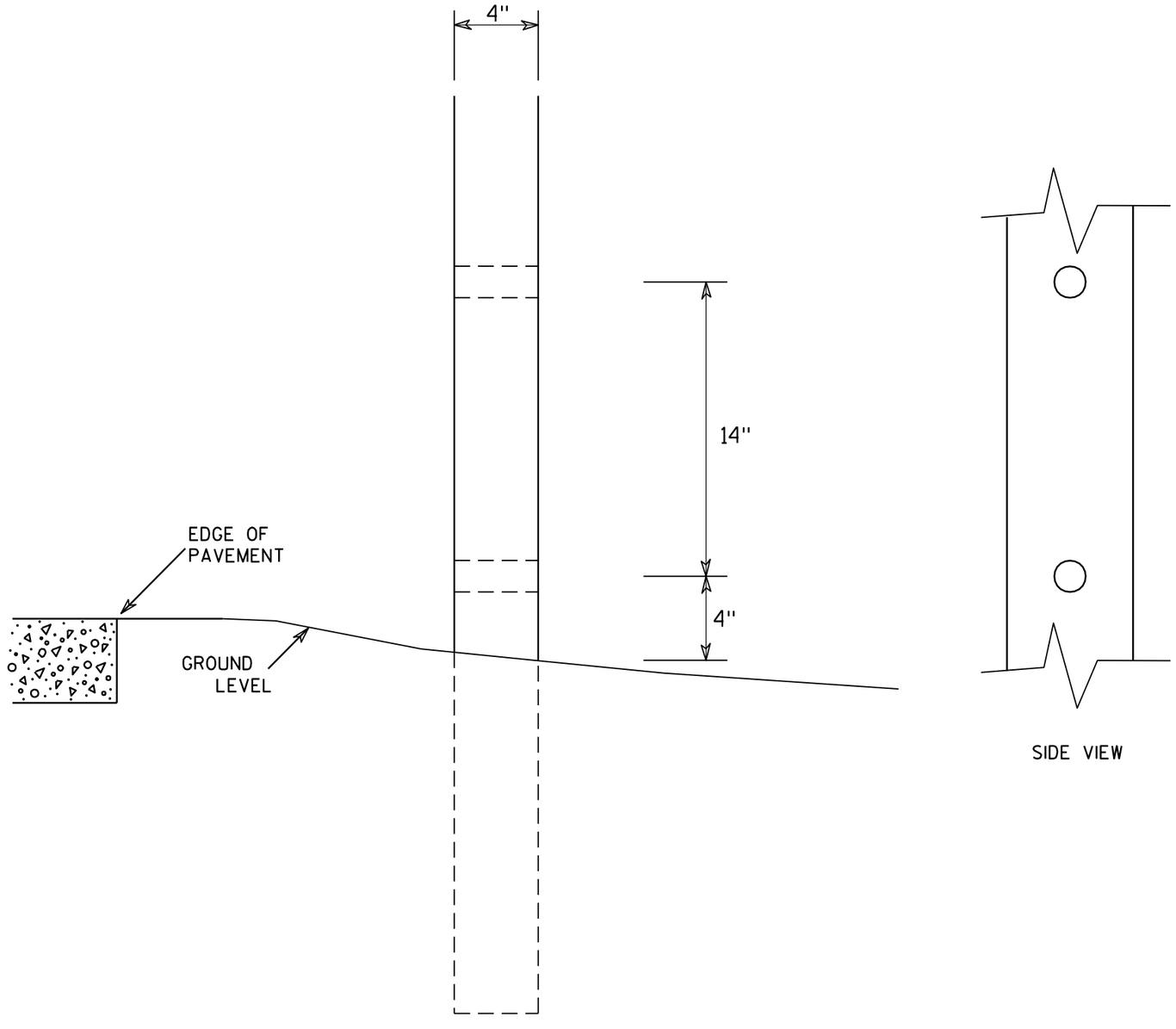
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 664 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

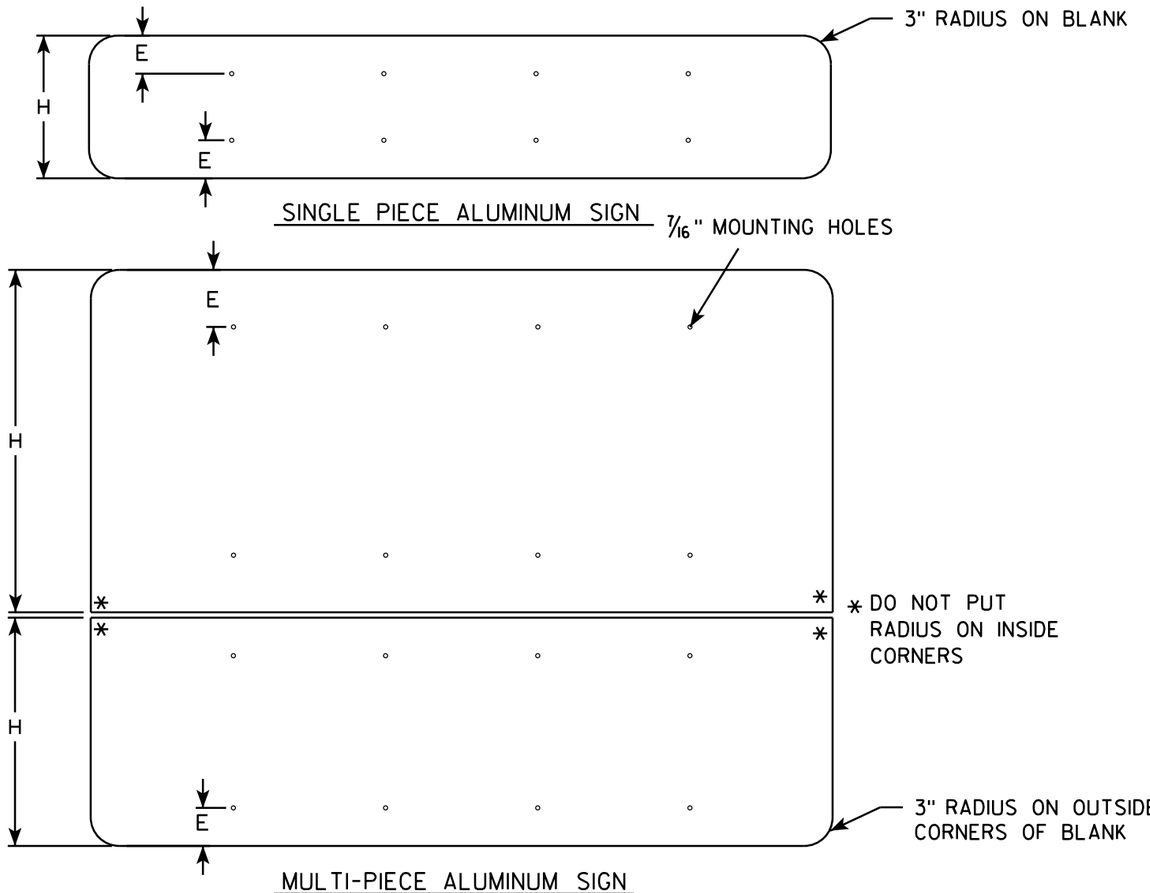
4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/27/97 PLATE NO. A4-11.2

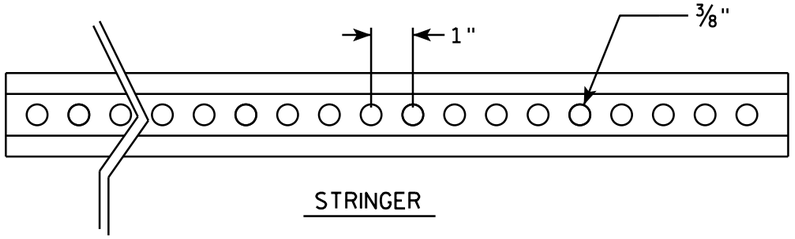
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 665	E



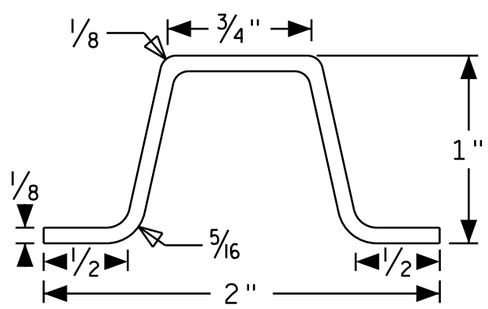
GENERAL NOTES

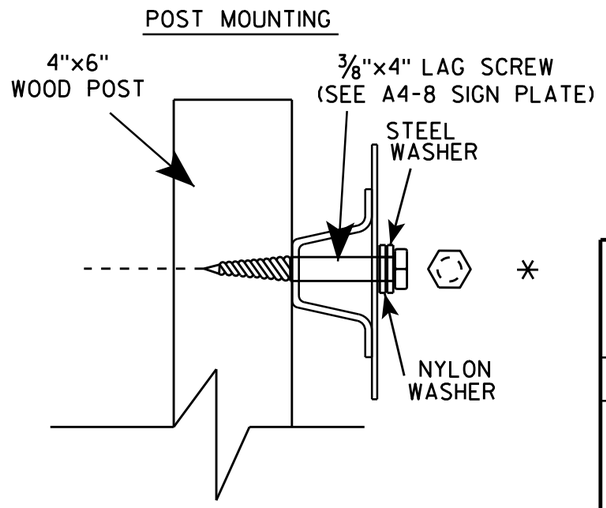
- ALL SIGNS OVER 60" IN WIDTH SHALL HAVE A 3" RADIUS ON THE OUTSIDE CORNERS OF THE ALUMINUM BLANK.
- MOUNTING HOLES SHALL BE 7/16" DIAMETER.
- SEE CHART FOR HOLE SPACING REQUIREMENTS
- FOR SIGN PANELS WITH DIMENSION (H) 36" AND OVER, DIMENSION E SHALL BE 6"
- FOR SIGN PANELS WITH DIMENSION (H) UNDER 36", DIMENSION E SHALL BE 4"
- SIGN STRINGER MATERIAL SHALL CONSIST OF STEEL CHANNEL POST SECTIONS, WEIGHING 1.12 LBS/FT IN ACCORDANCE WITH SECTION 633.2.1 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION.
- SEE SIGN PLATE A4-8 FOR SIGN STRINGER BOLTING REQUIREMENTS.

SIGN WIDTH	STRINGER WIDTH	POSTS	HOLE SPACING	MOUNTING HOLES
78"	72"	2	16"	15" 31" 47" 63"
84"	72"	2	17"	16½" 33½" 50½" 67½"
90"	72"	2	18"	18" 36" 54" 72"
96"	90"	2	19"	19½" 38½" 57½" 76½"
102"	90"	2	20"	21" 41" 61" 81"
108"	90"	2	21"	22½" 43½" 64½" 85½"
114"	108"	3	15"	12" 27" 42" 57" 72" 87" 102"
120"	108"	3	16"	12" 28" 44" 60" 76" 92" 108"
126"	108"	3	17"	12" 29" 46" 63" 80" 97" 114"
132"	126"	3	18"	12" 30" 48" 66" 84" 102" 120"
138"	126"	3	19"	12" 31" 50" 69" 88" 107" 126"
144"	126"	3	20"	12" 32" 52" 72" 92" 112" 132"



STRINGER





SIGN STRINGER MOUNTING REQUIREMENTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

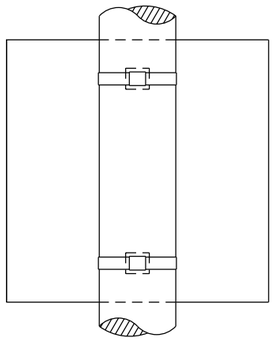
DATE 4/26/16 PLATE NO A4-18.1

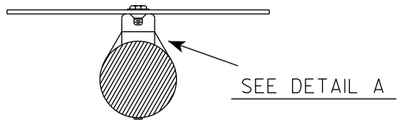
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

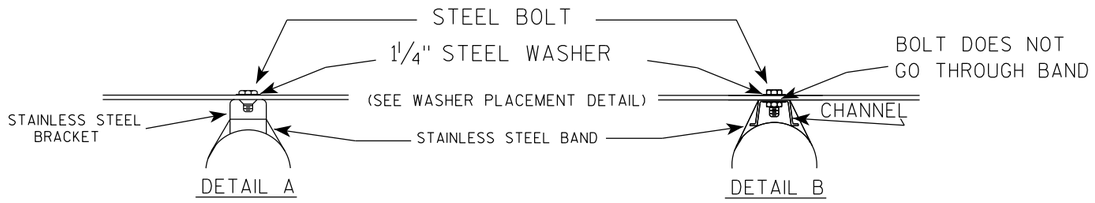
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BANDING

SINGLE SIGN



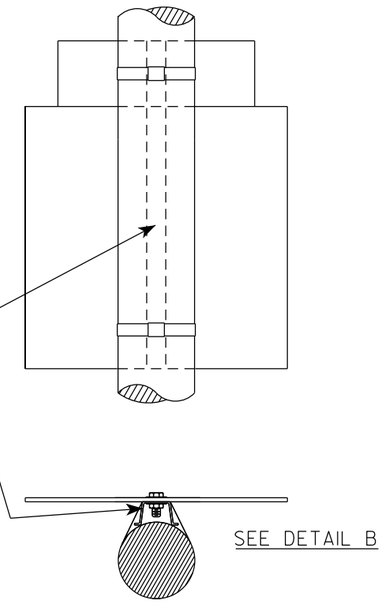




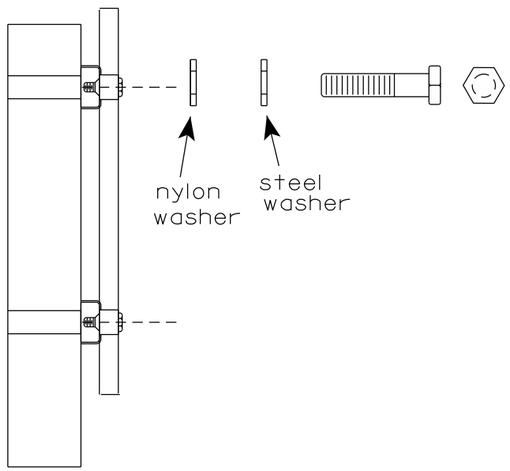
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

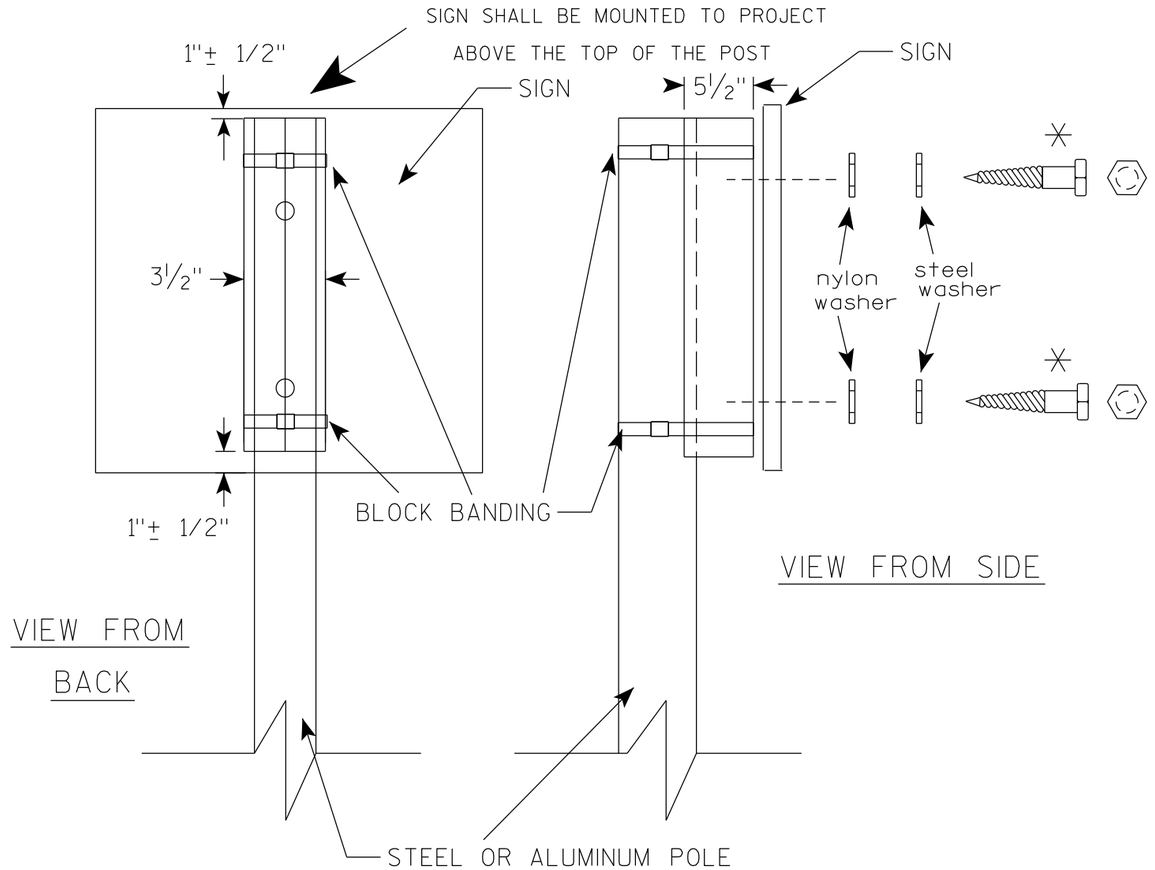
DATE 6/10/19 PLATE NO. A5-9.4

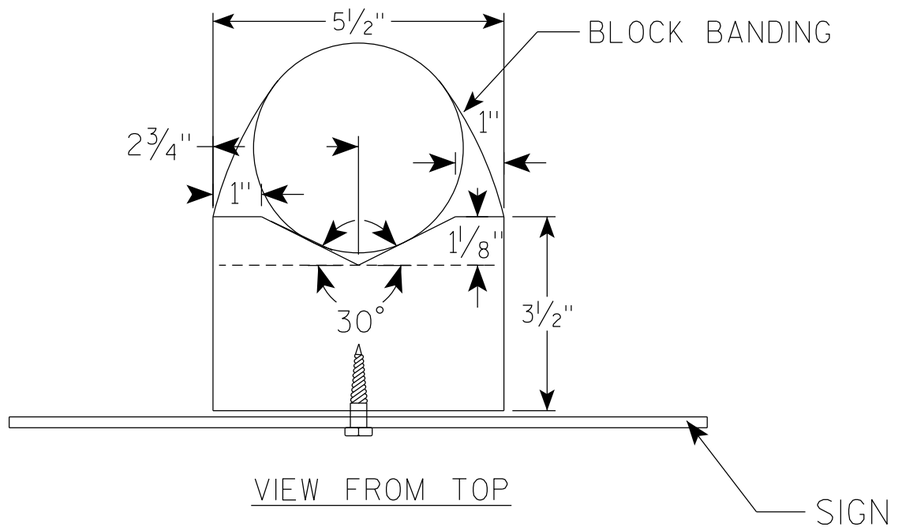
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 667	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 42

7

7





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

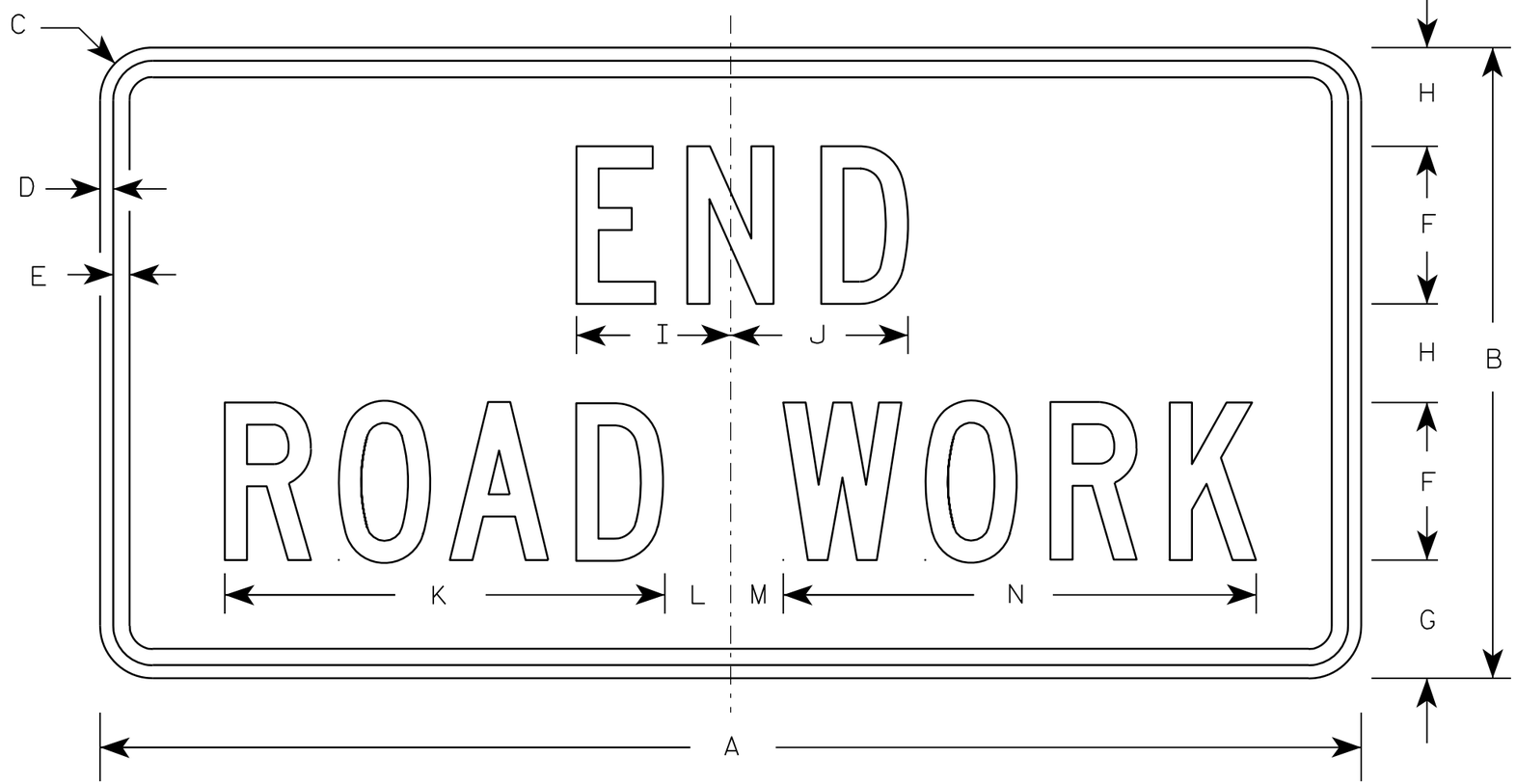
BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-10.2

PROJECT NO: | SHEET NO: 668 | E



G20-2A

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

Metric equivalent for this sign is:

SIZE	
1	900 mm X 450 mm
2	1200 mm X 600 mm
3	1200 mm X 600 mm
4	1200 mm X 600 mm
5	1200 mm X 600 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1	36	18	1 1/8	3/8	1/2	4	3 3/4	2 1/2	4 1/8	4 1/8	11 1/8	2	1	12 1/8													4.5	0.41
2	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
3	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
4	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72
5	48	24	1 1/2	1/2	5/8	6	4 1/2	3 3/4	5 7/8	6 3/4	16 3/4	2 1/2	1 3/4	18 1/2													8.0	0.72

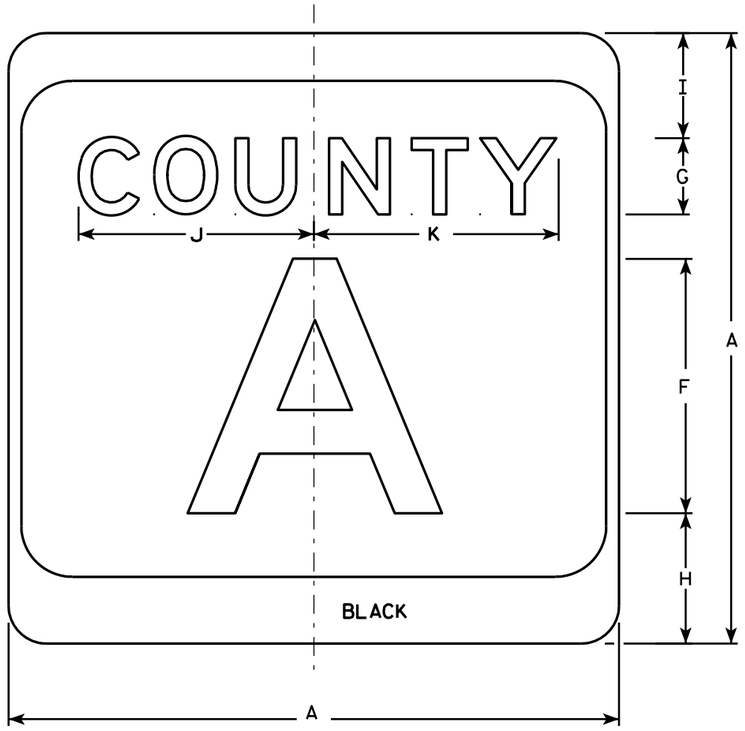
STANDARD SIGN
G20-2A

WISCONSIN DEPT OF TRANSPORTATION

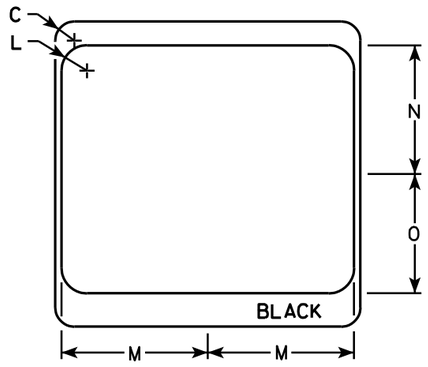
APPROVED Matthew R Rauch
for State Traffic Engineer

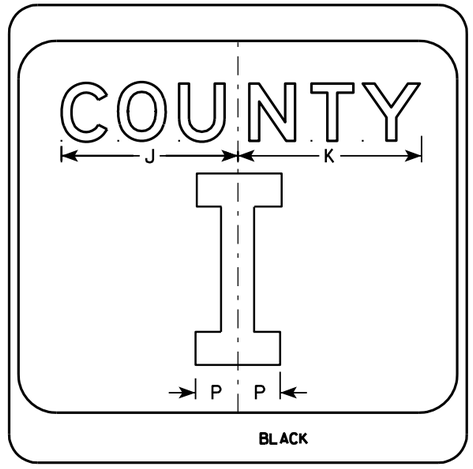
DATE 9/30/09 PLATE NO. G20-2A.8

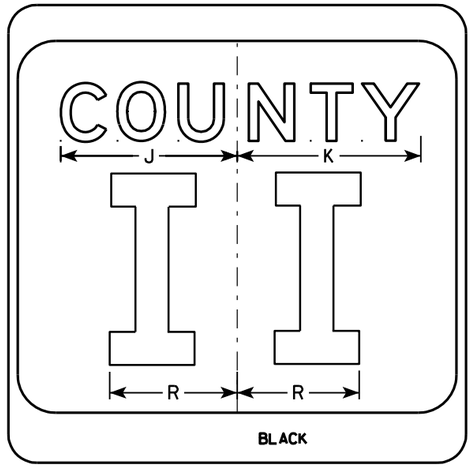
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 669	E



M1-5A







NOTES

1. Sign is Type II - see Note 7 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 7
   Message - Black
3. Message Series - see Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Message Series E for 1 letter.
   Message Series D for 2 letters unless message is too big then Series C.
   Message Series C for 3 letters unless message is too big then Series B.
6. Substitute appropriate letters & optically center to achieve proper balance.
7. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			10	3	5 1/8	4 1/8	9 1/4	9 5/8	2	11 1/2	10 1/8	9 3/8	2 1/4		6 5/8									4.0
3	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
4	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0
5	36		2 1/4			16	4	7 5/8	5 5/8	12 1/4	12 7/8	3	17 1/8	15 1/4	14	3 3/8		10									9.0

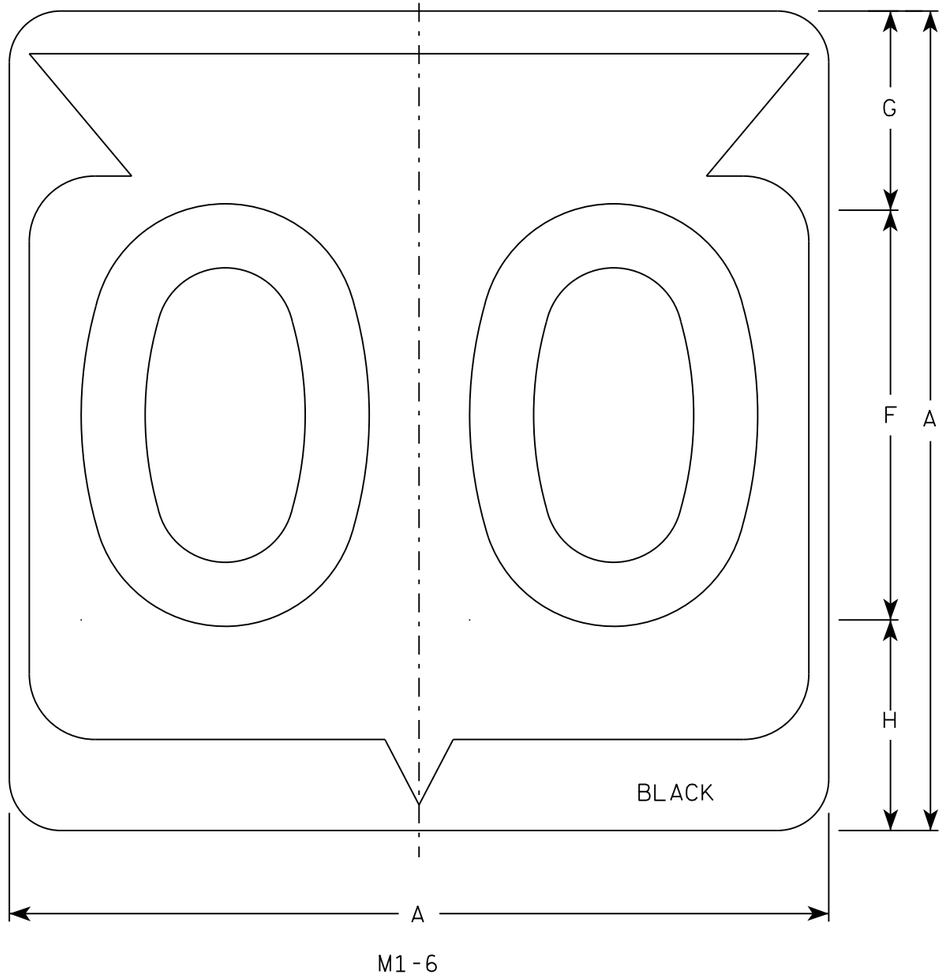
CTH MARKER
M1-5A FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 9/27/11 PLATE NO. M1-5A.8

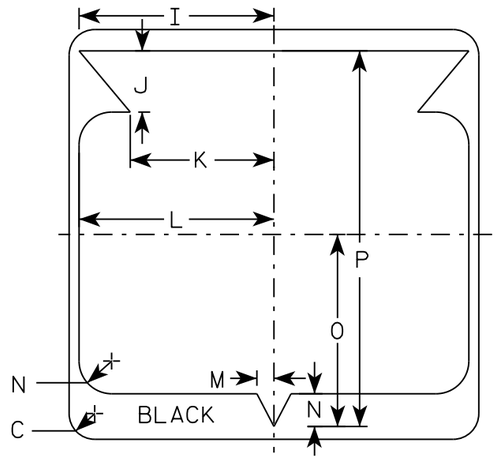
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 670	E



M1-6

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D except 3 number signs Series C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24		1 1/2			12	5 1/2	6 1/2	10 1/4	2 1/2	8 7/8	11 1/2	1	1 7/8	11 1/4	21 7/8											4.0
3	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
4	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0
5	36		2 1/4			18	8 3/4	9 1/4	15 3/8	5 3/8	12 5/8	17 1/8	1 1/2	2 7/8	16 7/8	33											9.0

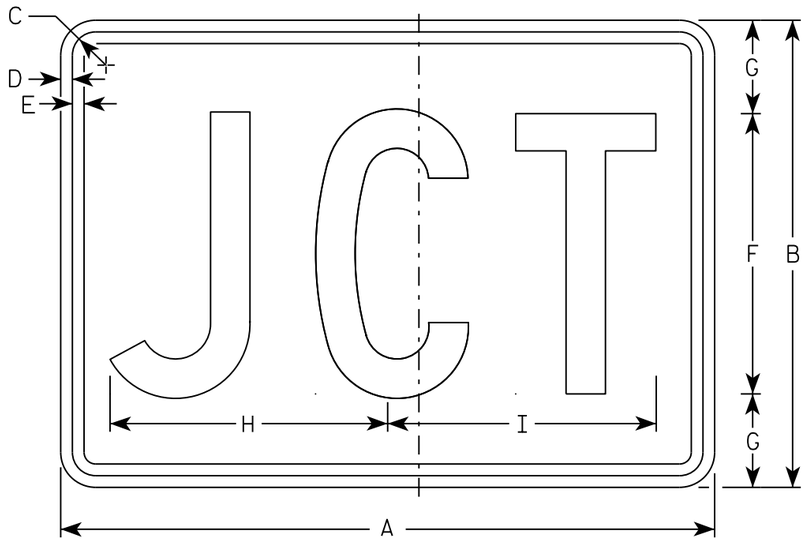
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

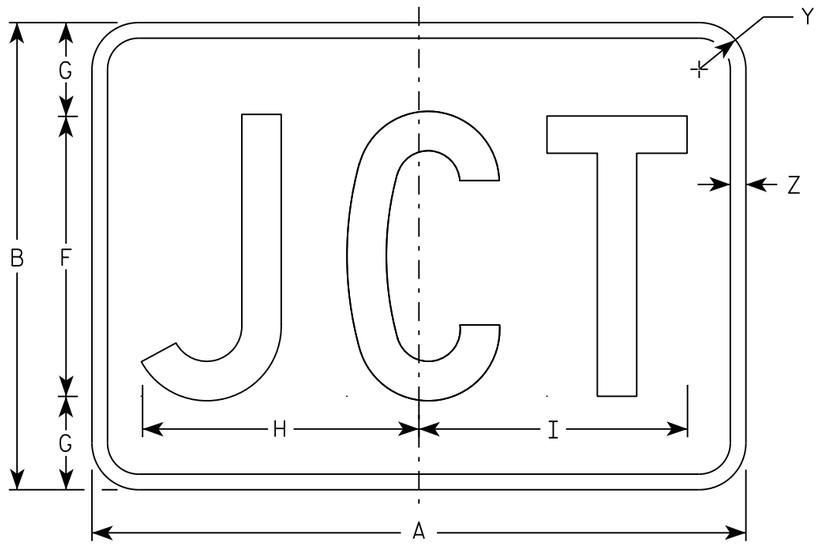
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 671 | E



M2-1
MM2-1
MP2-1



MB2-1
MK2-1
MN2-1
MR2-1

NOTES

1. Sign is Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M2-1 Background - White
   Message - Black
   MB2-1 Background - Blue
   Message - White
   MK2-1 Background - Green
   Message - White
   MM2-1 Background - White
   Message - Green
   MN2-1 Background - Brown
   Message - White
   MP2-1 Background - White
   Message - Blue
   MR2-1 Background - Brown
   Message - Yellow

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21	15	1 1/8	3/8	3/8	9	3	8 7/8	8 5/8																1 1/2	1/2	2.20
3	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
4	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40
5	30	21	1 1/8	3/8	3/8	13	4	12 7/8	12 3/8																1 1/2	1/2	4.40

STANDARD SIGN
M2-1

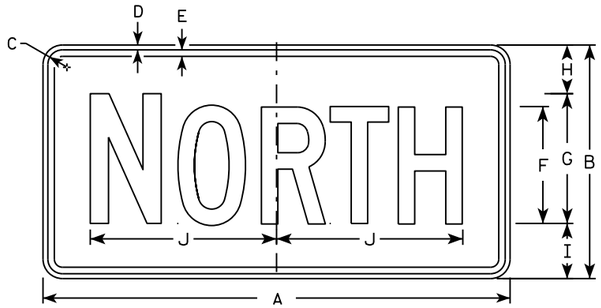
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

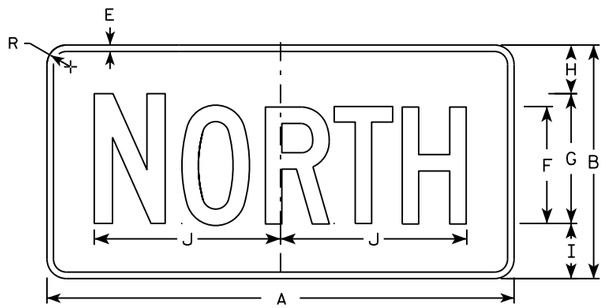
DATE 10/15/15 PLATE 672 12-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M21.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.864603:1.000000



M3-1
MM3-1
MP3-1



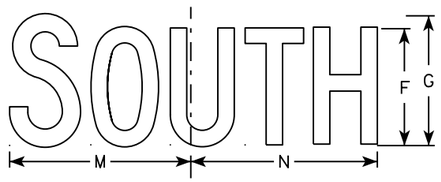
MB3-1
MK3-1
MN3-1



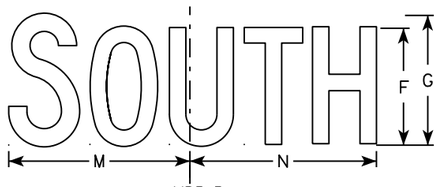
M3-2
MM3-2
MP3-2



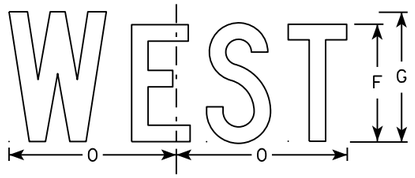
MB3-2
MK3-2
MN3-2



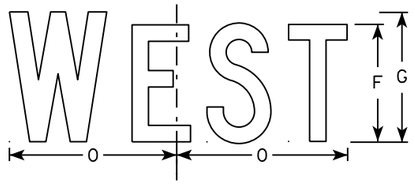
M3-3
MM3-3
MP3-3



MB3-3
MK3-3
MN3-3



M3-4
MM3-4
MP3-4



MB3-4
MK3-4
MN3-4

NOTES

1. All Signs Type II - Type H
2. Color:
   Background - See note 5
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M3-1 thru M3-4 Background - White
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White
   MK3-1 thru MK3-4 Background - Green
   Message - White
   MM3-1 thru MM3-4 Background - White
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White
   MP3-1 thru MP3-4 Background - White
   Message - Blue
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

STANDARD SIGNS
M3-1 thur M3-4
SERIES

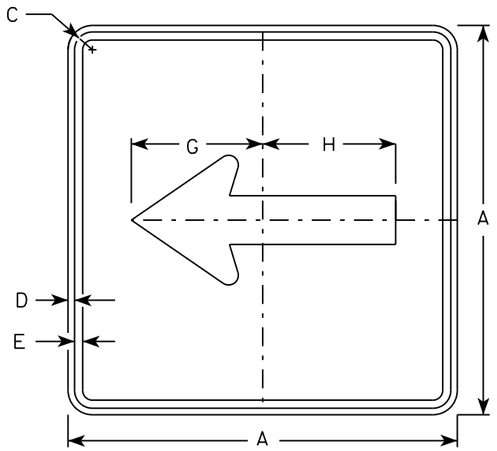
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew P Rauch for State Traffic Engineer

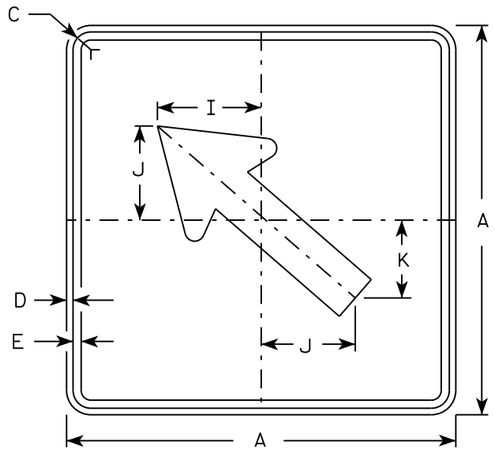
DATE 10/15/15 PLATE NO M3-1.14

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M31.DGN PLOT DATE : 01-DEC-2015 17:54 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000



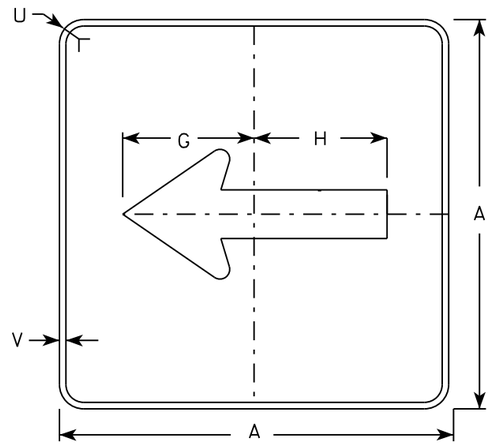
M6-1
MM6-1
MO6-1
MP6-1



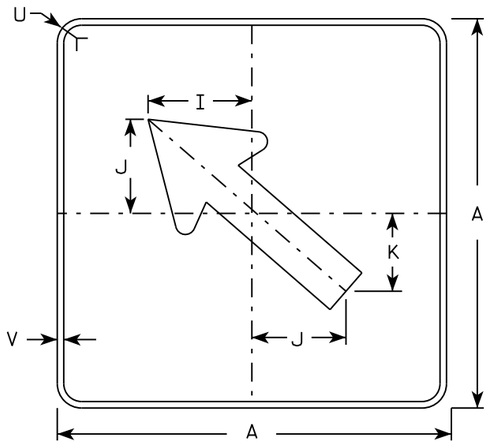
M6-2
MM6-2
MO6-2
MP6-2

NOTES

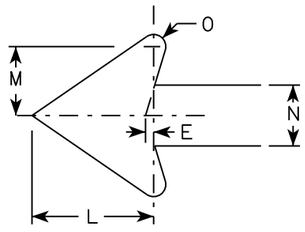
1. Signs are Type II - Type H except as Shown
2. Color:
   Background - See note 4
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. M6-1 and M6-2 Background - White
   Message - Black
   MB6-1 and MB6-2 Background - Blue
   Message - White
   MK6-1 and MK6-2 Background - Green
   Message - White
   MM6-1 and MM6-2 Background - White
   Message - Green
   MN6-1 and MN6-2 Background - Brown
   Message - White
   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black
   MP6-1 and MP6-2 Background - White
   Message - Blue
   MR6-1 and MR6-2 Background - Brown
   Message - Yellow



MB6-1
MK6-1
MN6-1
MR6-1



MB6-2
MK6-2
MN6-2
MR6-2



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

STANDARD SIGN
M6-1 & M6-2
SERIES

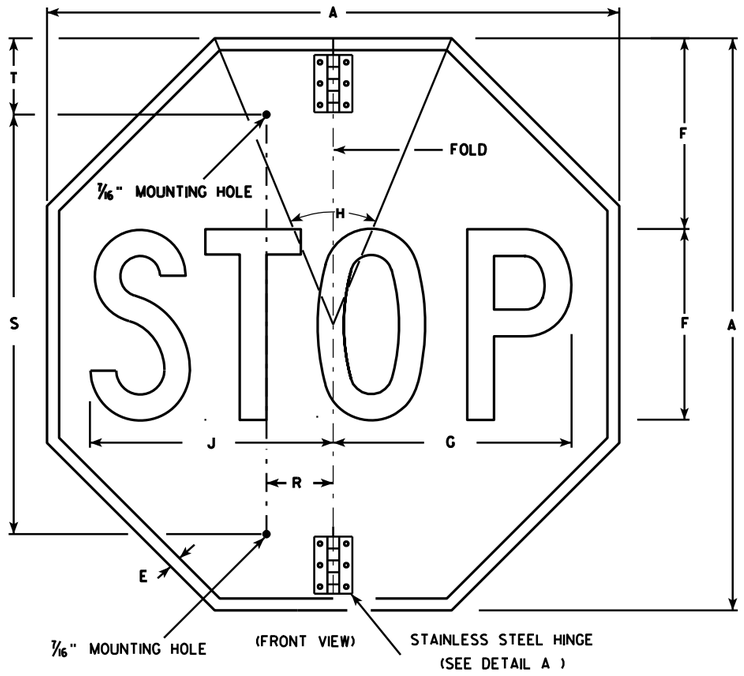
WISCONSIN DEPT OF TRANSPORTATION

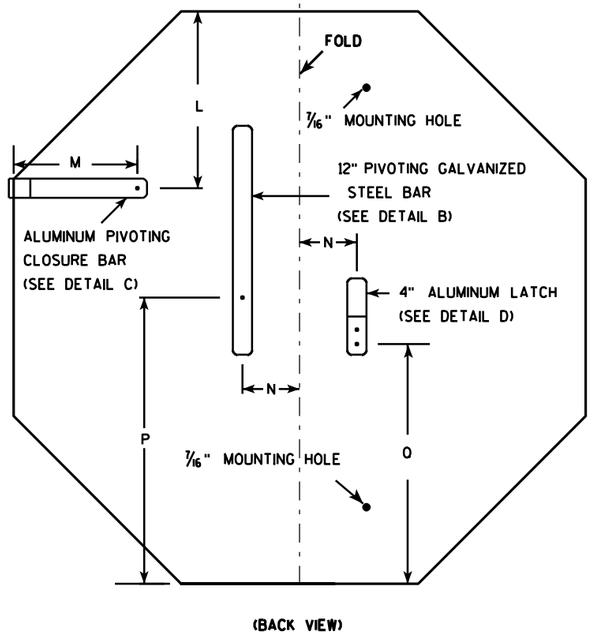
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE 674 M6-1.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

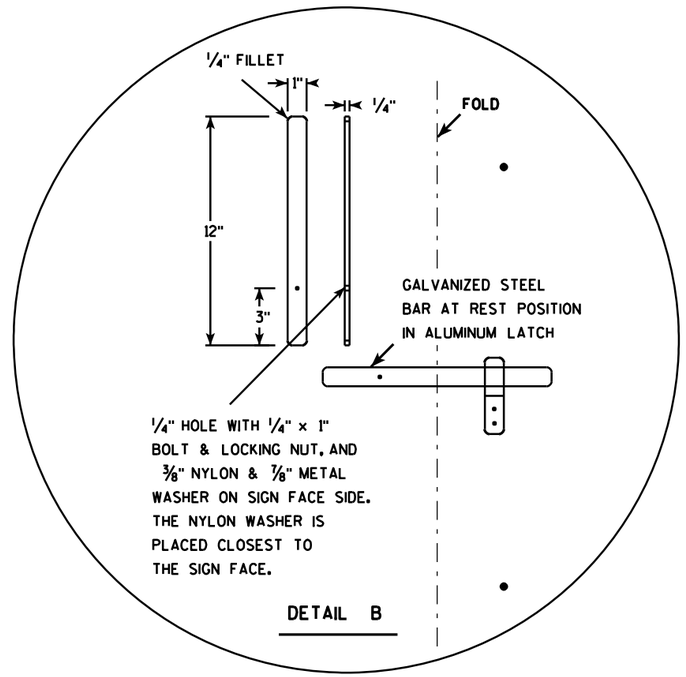
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\M61.DGN PLOT DATE : 01-DEC-2015 17:57 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 11.675051:1.000000

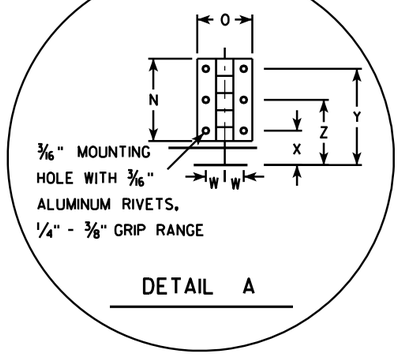


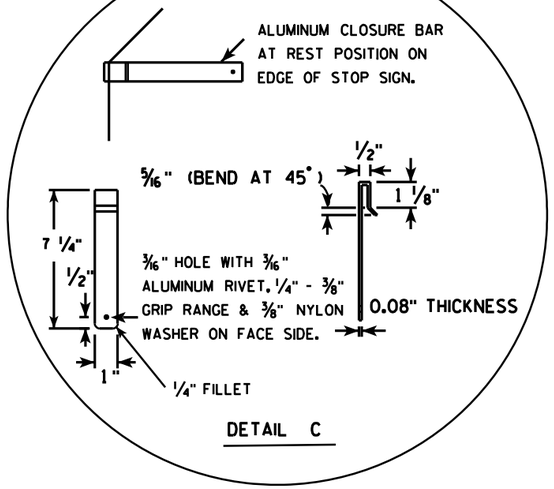


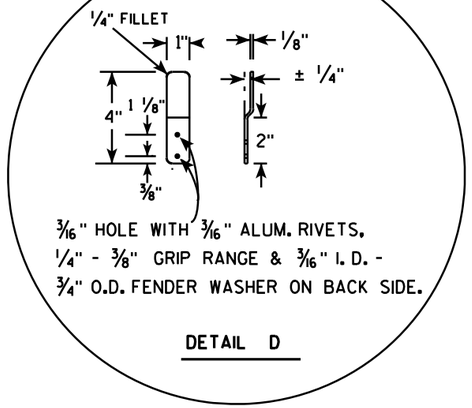
NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. All hardware used on the folding STOP sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.









SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30				5/8	10	12 1/2	45		12 3/4		9 1/4	6 1/2	3	2	15	12 3/8	2 1/2	22	5			11/16	1 1/4	3 1/2	2 3/8	5.18
2M	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
3	36				3/4	12	15	45		15 3/8		11	6 1/2	3	2	18	15 3/8	2 1/2	26	5			11/16	1 1/4	3 1/2	2 3/8	7.46
4																											
5																											

STANDARD SIGN
R1-1F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1F.3

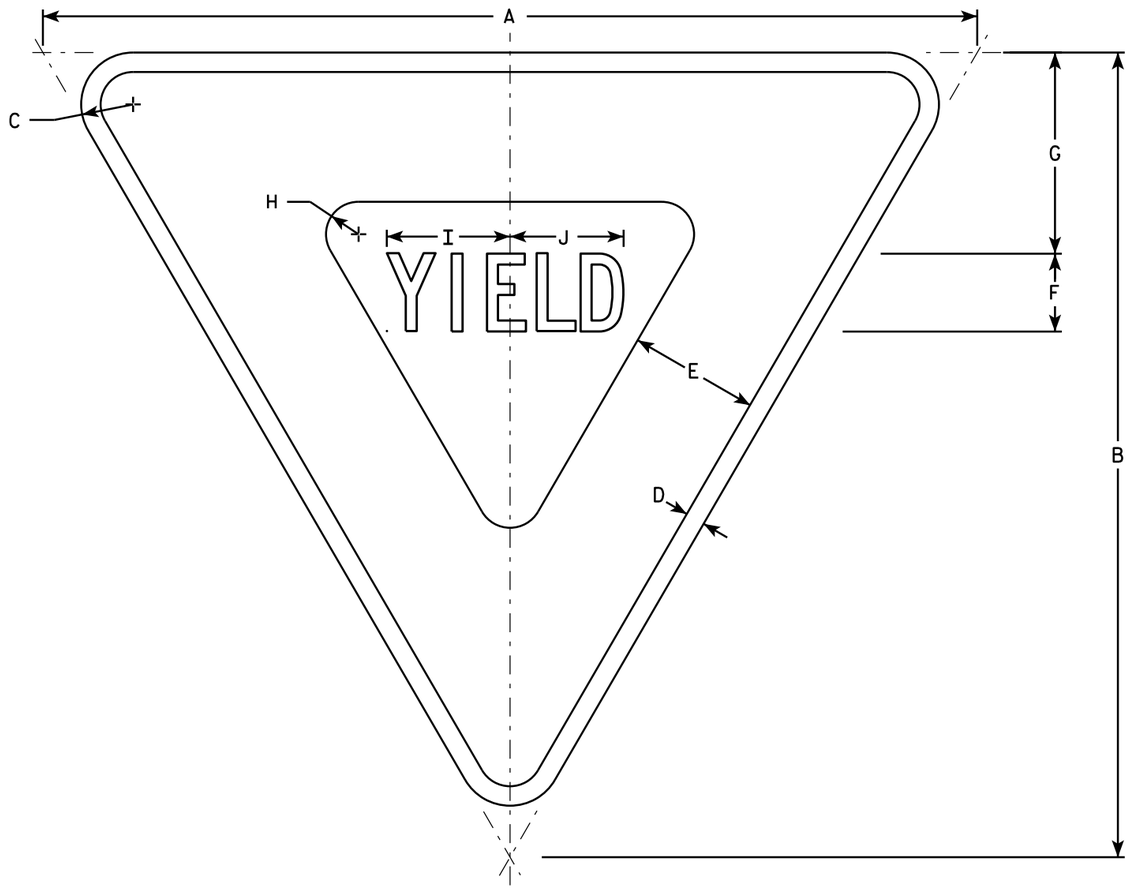
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 675 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R11F.DGN PLOT DATE : 02-DEC-2010 15:26 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 7.945391:1.000000

WISDOT/CADDS SHEET 42

7

7



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

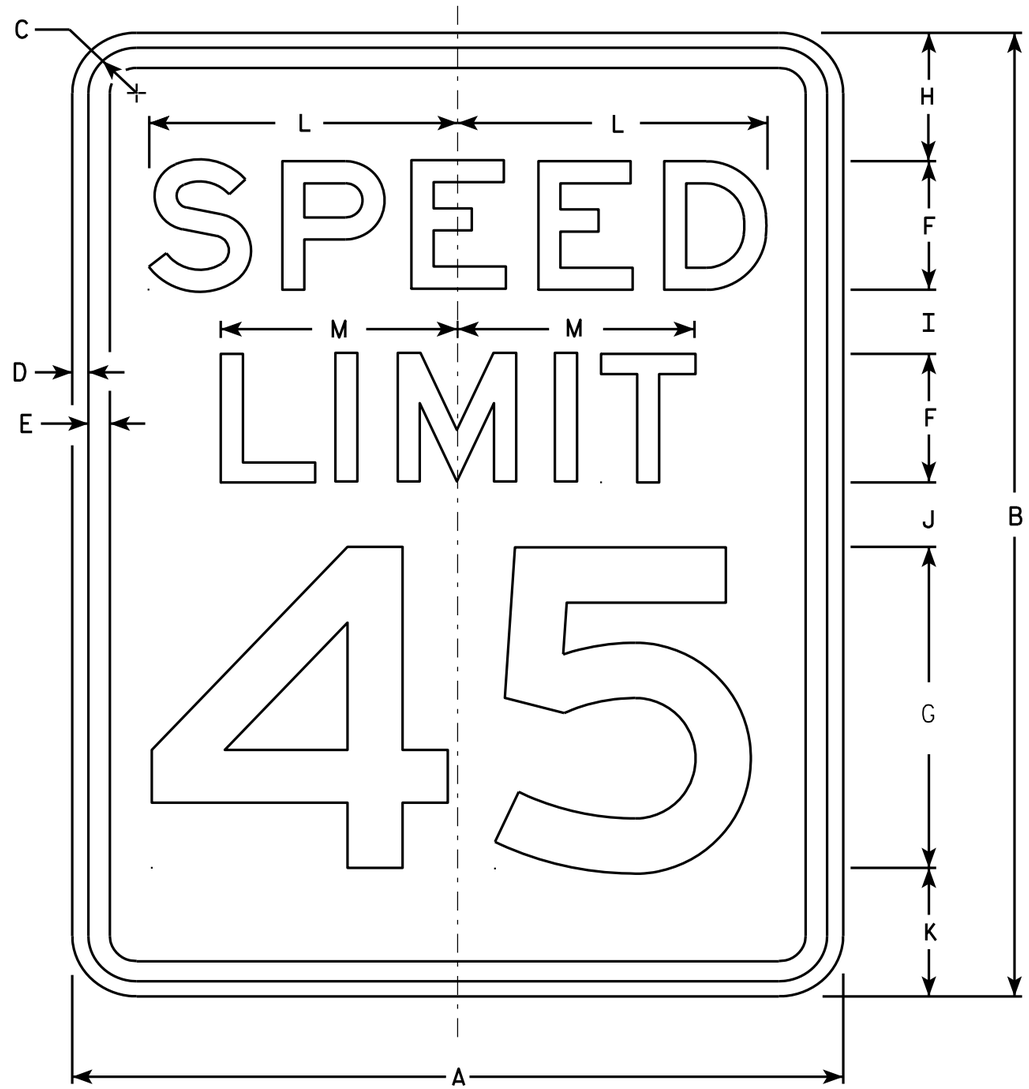
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE P1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

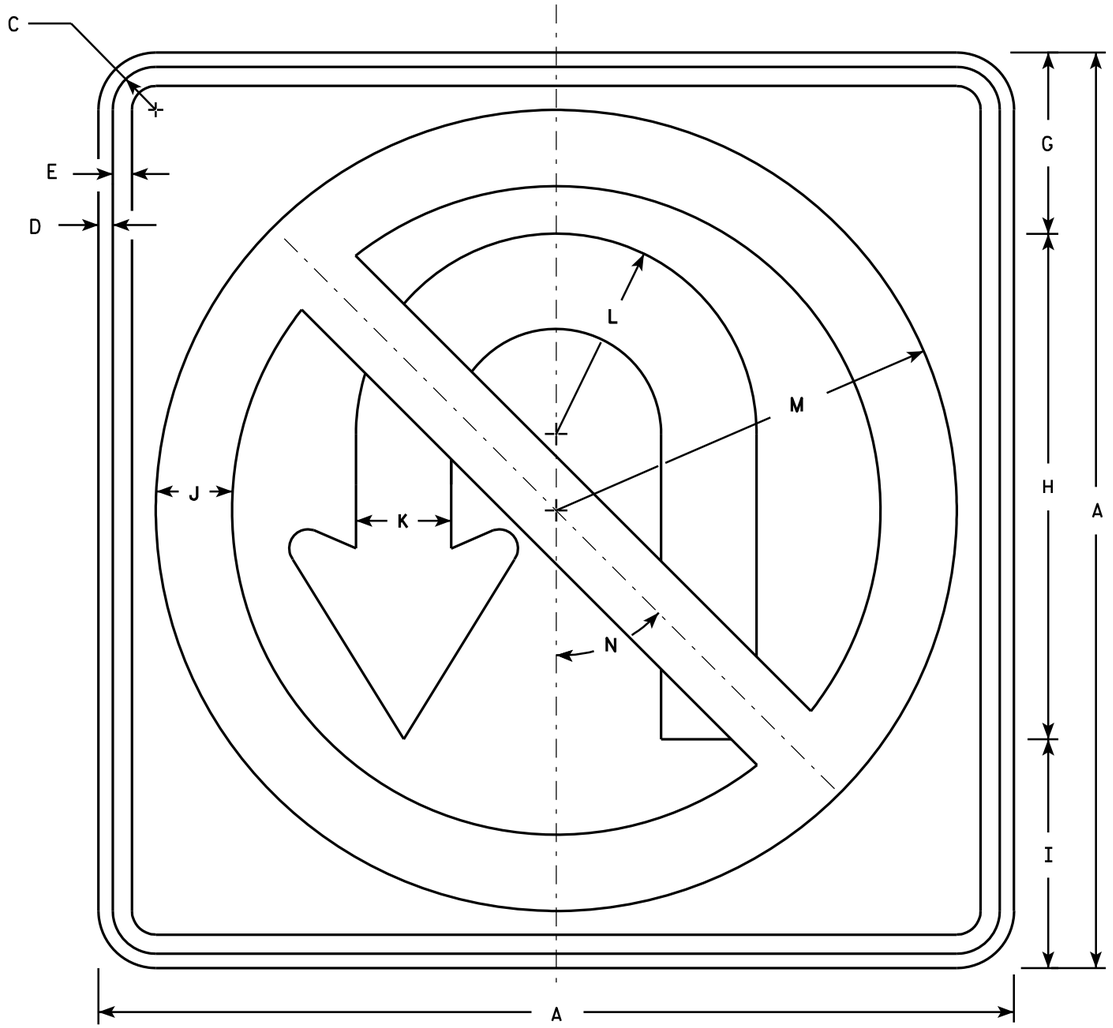
STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

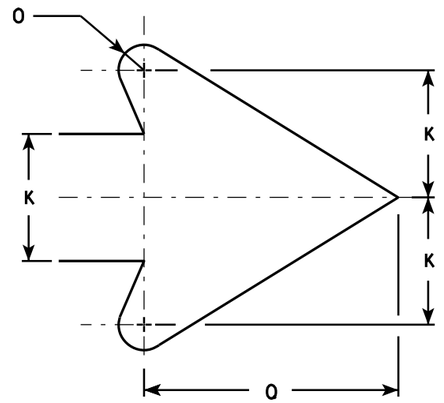
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 677	E



R3-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
4	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
5	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0

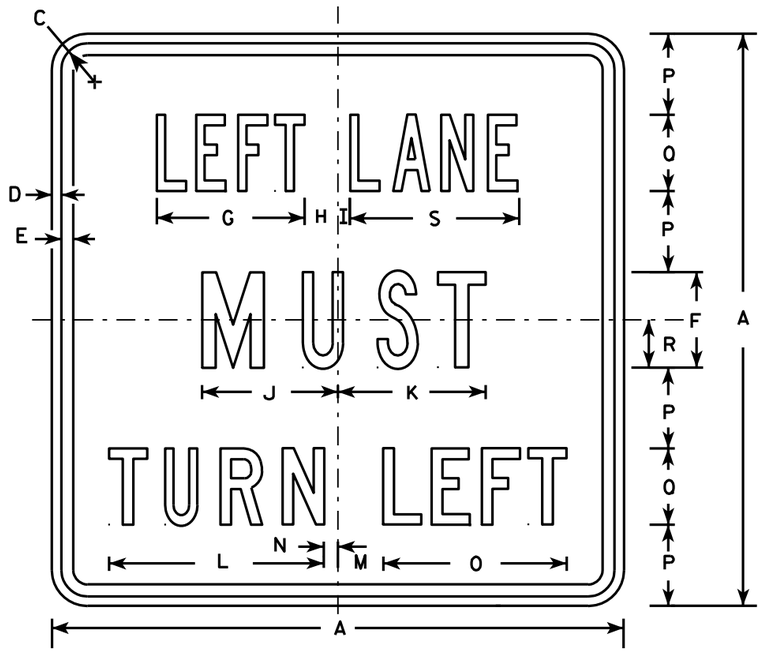
STANDARD SIGN
R3-4

WISCONSIN DEPT OF TRANSPORTATION

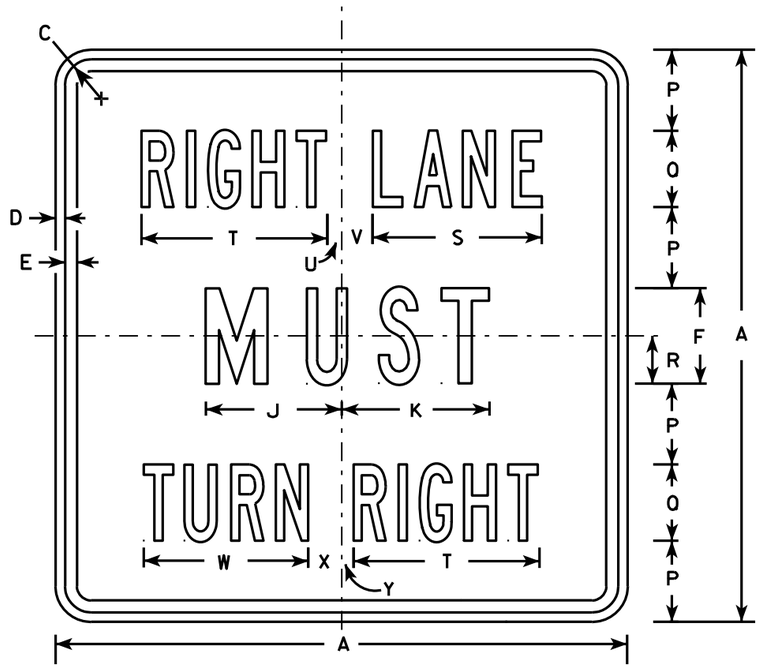
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-4.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 678	E



R3-7L



R3-7R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - Line 1 is Series B.
   Line 2 is Series C.
   Line 3 on plate R3-7R is Series B and Series C on plate R3-7L.
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2S	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
2M	30		1 3/8	1/2	5/8	5	7 3/4	1 3/4	5/8	7 1/8	7 3/4	11 1/4	2 3/8	3/4	9 5/8	4 1/4	4	2 1/2	8 7/8	9 3/4	3/4	1 5/8	8 5/8	1 5/8	5/8		6.25
3	36		1 5/8	5/8	3/4	6	9 5/8	2	1 1/8	8 3/4	9	13 1/2	3 7/8	1 1/2	12 1/2	5	5	3	10 5/8	12	7/8	2 1/4	10 5/8	2 1/8	1		9.00
4	48		2 1/4	3/4	1	8	13 1/2	2 3/8	1 1/2	11 1/2	11 7/8	17 3/4	3 5/8	2 1/2	16 3/8	6 1/2	7	4	14 3/8	16 7/8	5/8	3 1/4	15 1/8	2 3/4	1 1/8		16.00
5																											

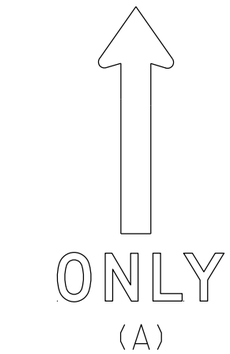
STANDARD SIGN
R3-7L & R3-7R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

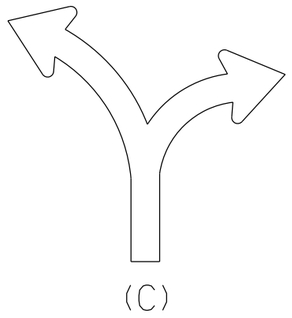
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 679 | E

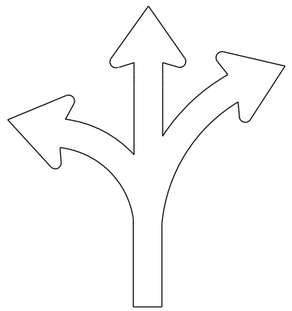


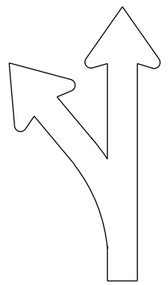
(A)

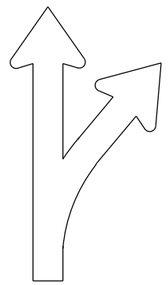


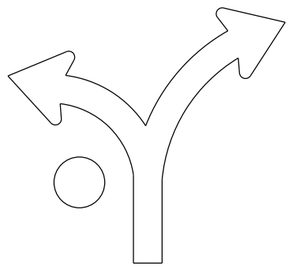
(B)

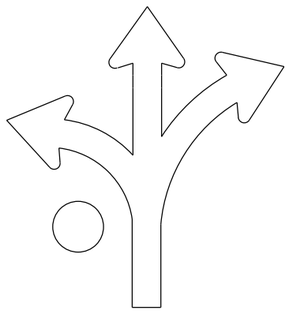

(C)


(D)


(E)


(F)

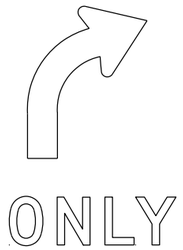

(G)


(H)

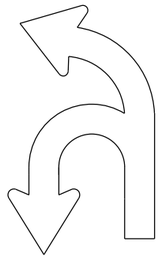

(I)



(L)



(R)


(U)

NOTES

1. Sigs are Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Use appropriate Letter for Sign Code
   Each letter added makes sign wider. Example R3-8EAR
5. Square footage of sign varies by letters

1	Letter =	3.75 sq ft for Size 2
		6.0 sq ft for Size 3
		10.0 sq ft for Size 4 or 5
2	Letters =	7.5 sq ft for Size 2
		12.0 sq ft for Size 3
		20.0 sq ft for Size 4 or 5
3	Letters =	11.25 sq ft for Size 2
		18.0 sq ft for Size 3
		30.0 sq ft for Size 4 or 5
4	Letters =	15.0 sq ft for Size 2
		24.0 sq ft for Size 3
		40.0 sq ft for Size 4 or 5
5	Letters =	18.75 sq ft for Size 2
		30.0 sq ft for Size 3
		50.0 sq ft for Size 4 or 5
6	Letters =	22.5 sq ft for Size 2
		36.0 sq ft for Size 3
		60.0 sq ft for Size 4 or 5

6. When letters C,D,G,H are used on the Left or Right end of the sign the Sq. Ft. changes.
   Add the amounts when these letters are used:
   1.25 sq ft for Size 2
   1.5 sq ft for Size 3
   2.0 sq ft for Size 4 or 5

STANDARD SIGN
R3-8 Series

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

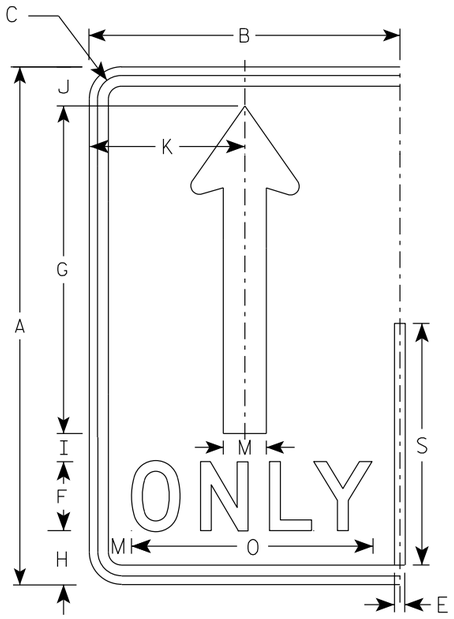
SHEET NO: 680 E

7

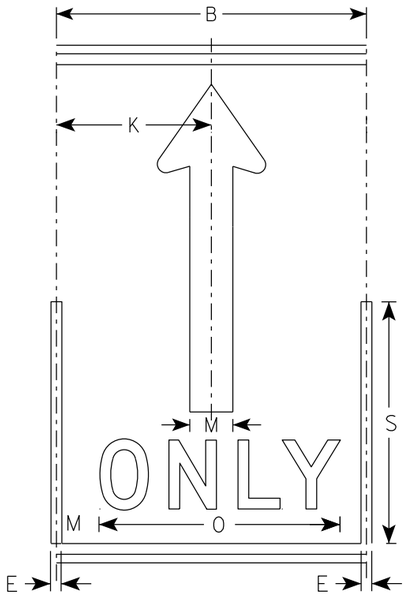
FILE NAME : C:\CAEfiles\Projects\stdplate_R38.dgn PLOT DATE : 21-MAY 2019 4:37 PLOT BY : mscj9h PLOT NAME :
WISDOT/CADDS SHEET 42

NOTES

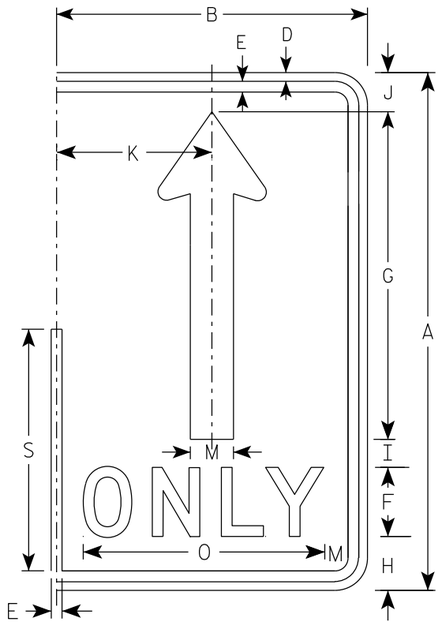
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



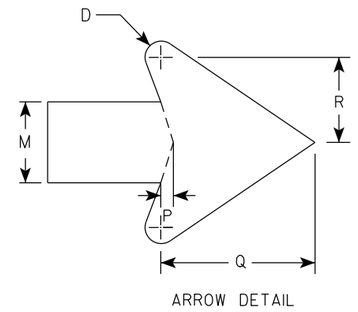
(A)



(A)



(A)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8	4	19	3 1/8	1 5/8	2 1/4	9		2 1/2		14	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8	5	22 3/4	3 3/4	1 3/4	2 3/4	12		3		17 5/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1	6	30 3/8	5 1/8	2 7/8	3 5/8	15		4		21 3/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (A) Arrow

WISCONSIN DEPT OF TRANSPORTATION

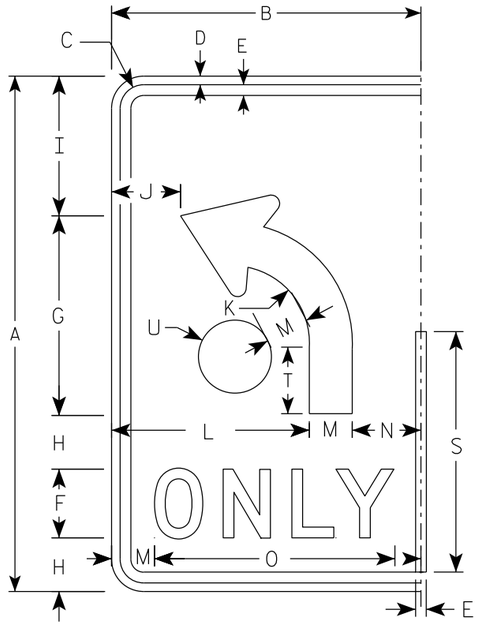
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

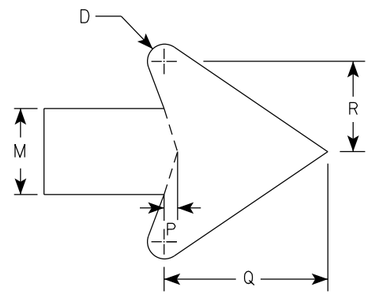
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 681 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
   Message Series - D



(B)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8	2 1/8						3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8	2 1/2						6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4	3 3/8						10.0

STANDARD SIGN

R3-8 (B) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch

for State Traffic Engineer

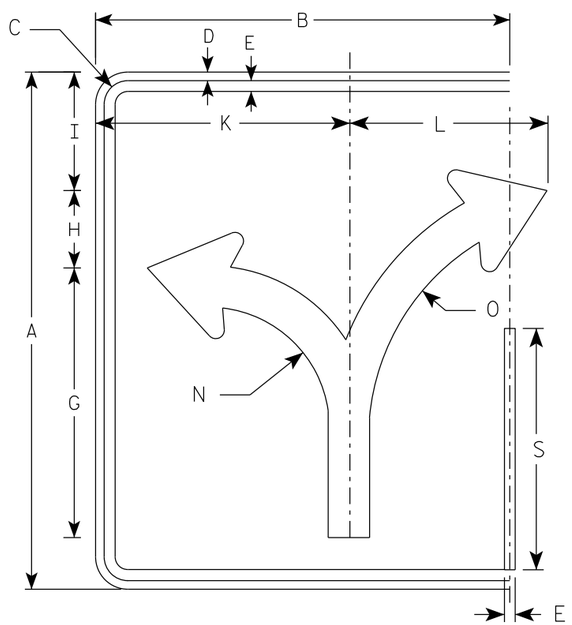
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

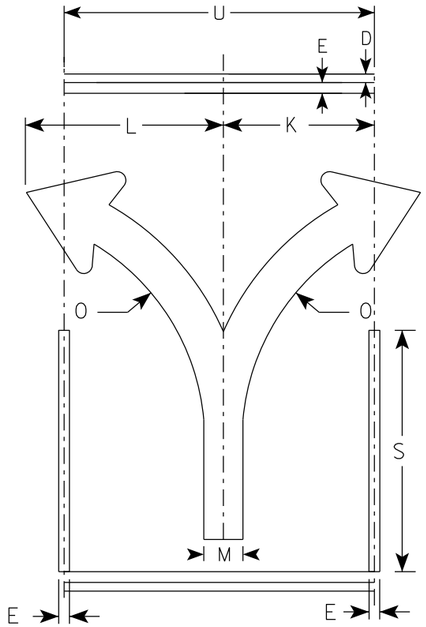
SHEET NO: 682 E

NOTES

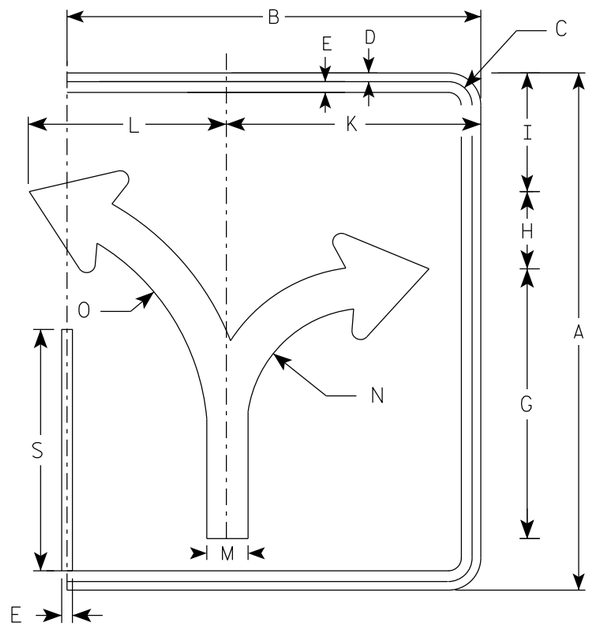
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



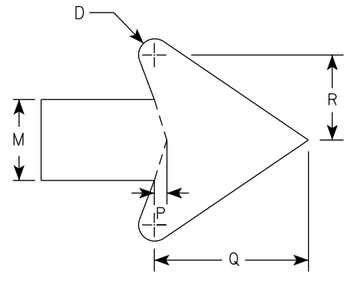
(C)



(C)



(C)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (C) Arrow

WISCONSIN DEPT OF TRANSPORTATION

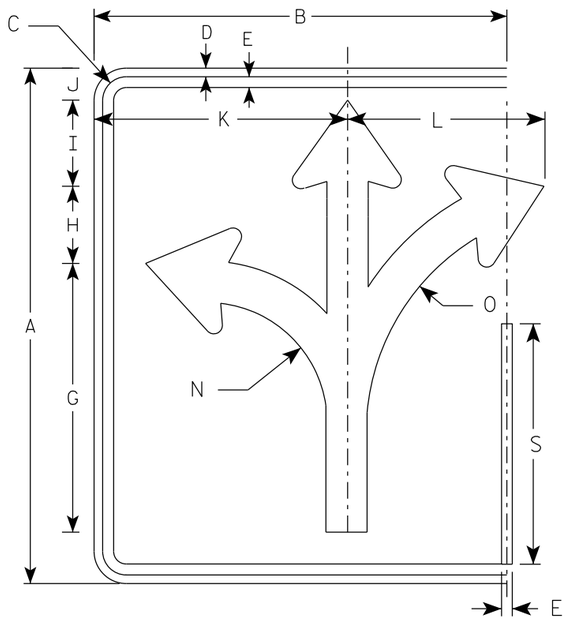
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

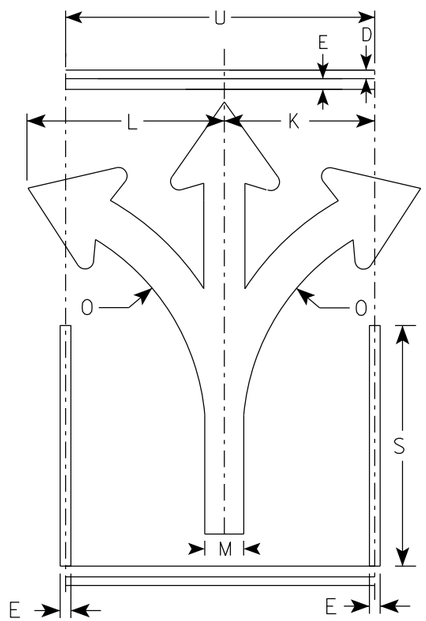
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 683 | E

NOTES

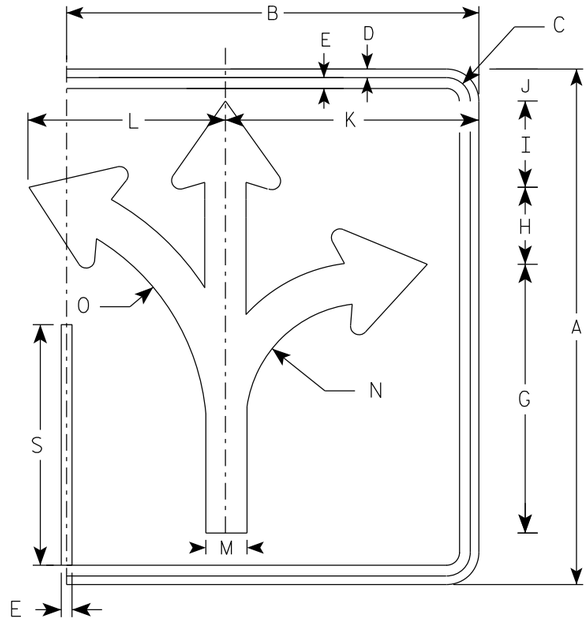
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



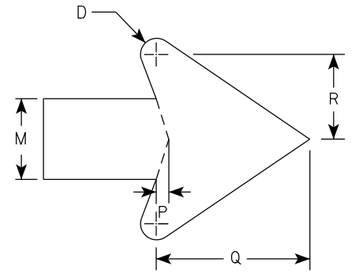
(D)



(D)



(D)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	ENDS Area sq. ft.	MIDDLE Area sq. ft.
1																												
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		18						5.0	3.75
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	2 1/4	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		24						7.5	6.0
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		30						12.0	10.0

STANDARD SIGN
R3-8 (D) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

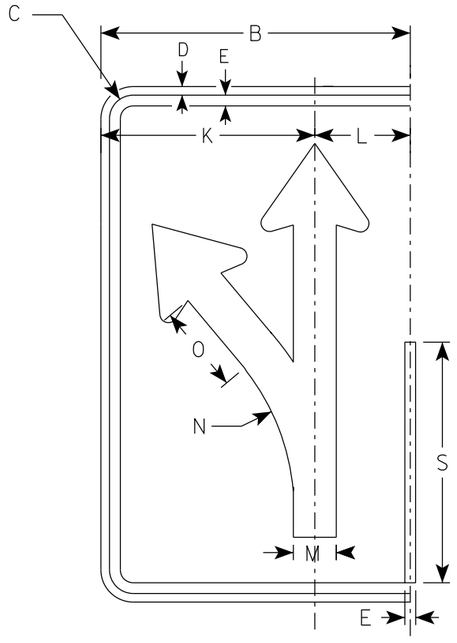
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 684 | E

7

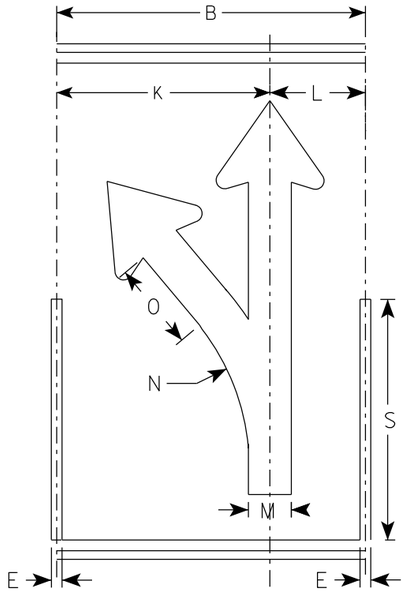
7

NOTES

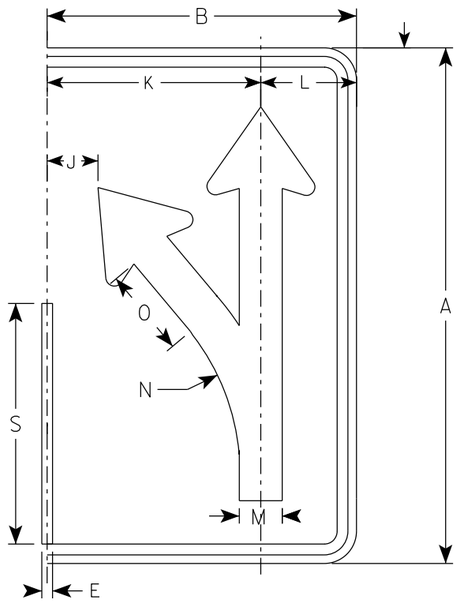
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



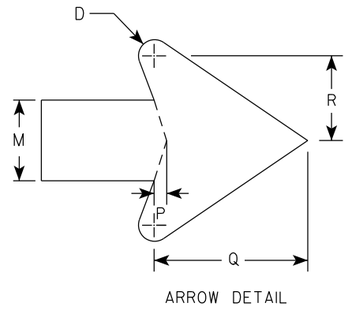
(E)



(E)



(E)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (E) Arrow

WISCONSIN DEPT OF TRANSPORTATION

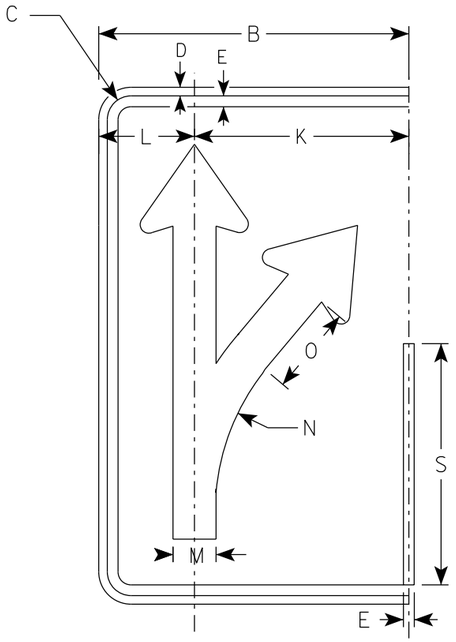
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

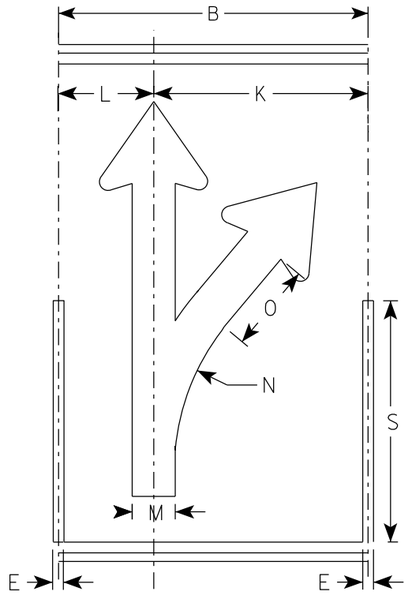
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 685 | E

NOTES

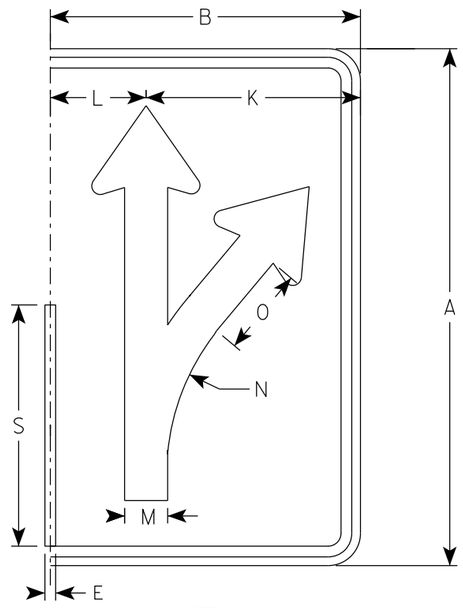
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



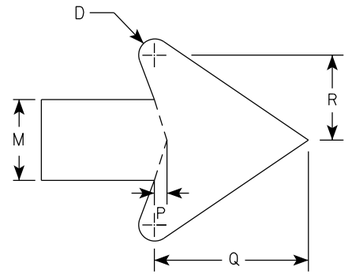
(F)



(F)



(F)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14								3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4								6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8								10.0

STANDARD SIGN
R3-8 (F) Arrow

WISCONSIN DEPT OF TRANSPORTATION

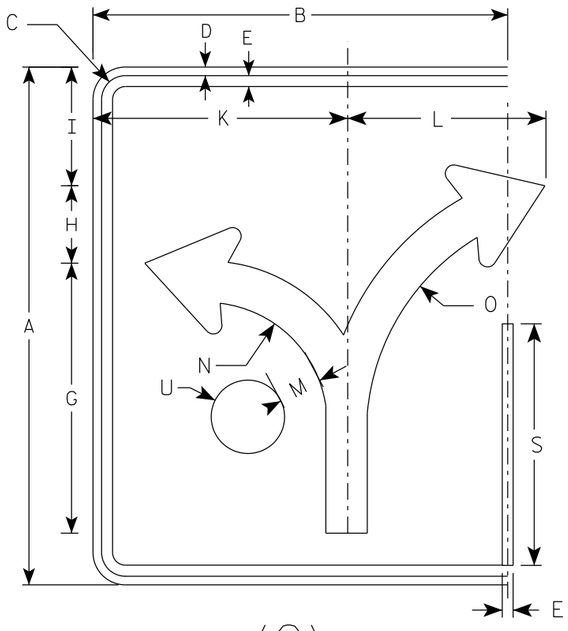
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

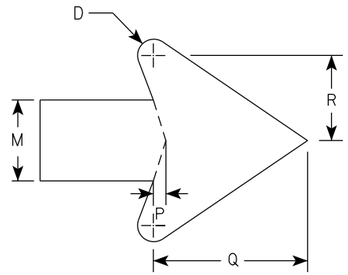
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 686 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(G)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	6 7/8		14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	8 1/4		17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	11		23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (G) Arrow

WISCONSIN DEPT OF TRANSPORTATION

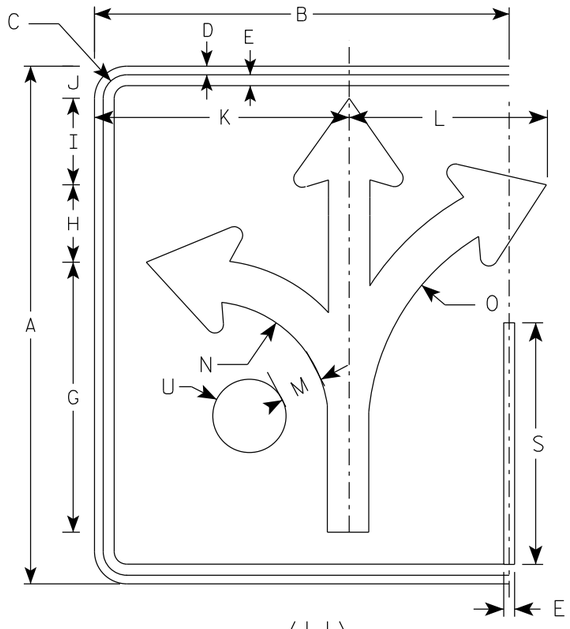
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

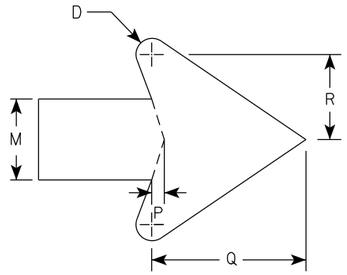
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 687	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(H)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
2M	30	24	1 3/8	1/2	5/8		15 5/8	4 1/2	5	1 7/8	14 3/4	11 1/2	2 3/8	7	13 1/4	3/8	4 1/2	2 1/2	14		2 1/8						5.0
3	36	30	1 3/8	1/2	5/8		18 3/4	5 1/2	6	3 1/8	17 1/4	17 1/4	2 7/8	8 3/8	16	1/2	5 1/2	3	16 3/4		2 1/2						7.5
4	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0
5	48	36	2 1/4	3/4	1		24 7/8	7 1/4	7 7/8	3 1/8	23 1/8	18	3 3/4	11 1/8	21 1/4	5/8	7 1/8	4	22 3/8		3 3/8						12.0

STANDARD SIGN
R3-8 (H) Arrow

WISCONSIN DEPT OF TRANSPORTATION

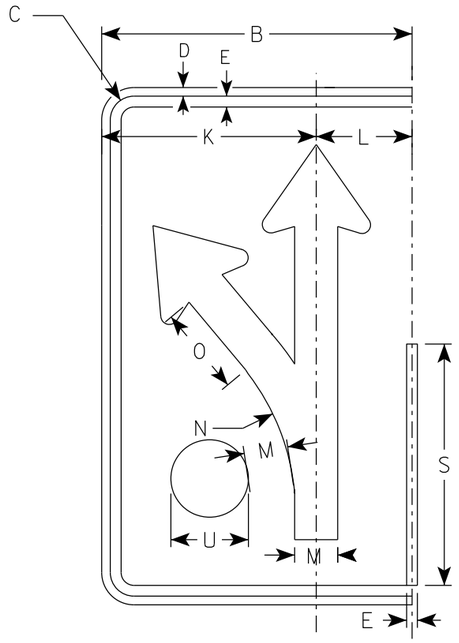
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

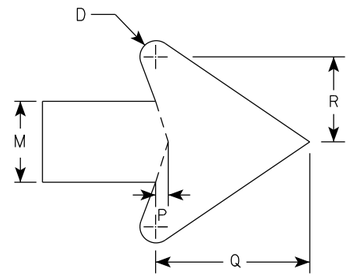
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 688	E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(I)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
2M	30	18	1 3/8	1/2	5/8		18 1/4	4 3/4	3 1/4	3	12 1/2	5 1/2	2 1/2	13 1/4	5 1/8	3/8	4 3/4	2 5/8	14		2 1/8						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	5 5/8	4	4 7/8	16 1/8	7 3/4	3	15 7/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4		2 1/2						6.0
4	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0
5	48	30	2 1/4	3/4	1		29 1/8	7 1/2	5 1/4	5 3/8	20 1/2	9 1/2	4	21 1/4	8 1/4	5/8	7 5/8	4 1/4	22 3/8		3 3/8						10.0

STANDARD SIGN
R3-8 (I) Arrow

WISCONSIN DEPT OF TRANSPORTATION

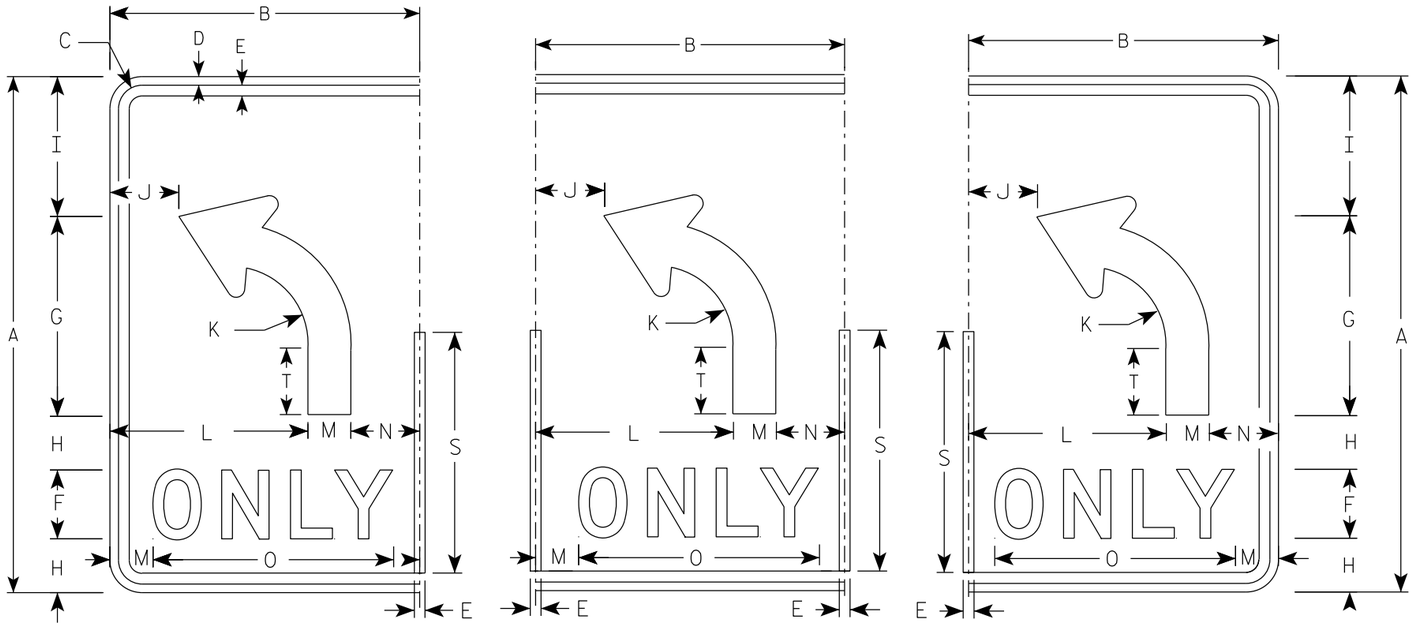
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

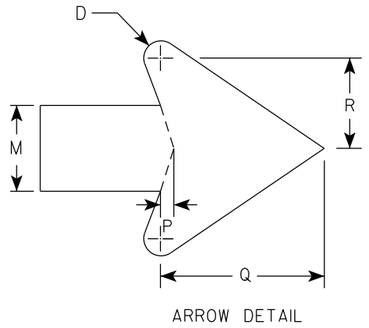
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 689 | E

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



(L) (L) (L)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4		5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN

R3-8 (L) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

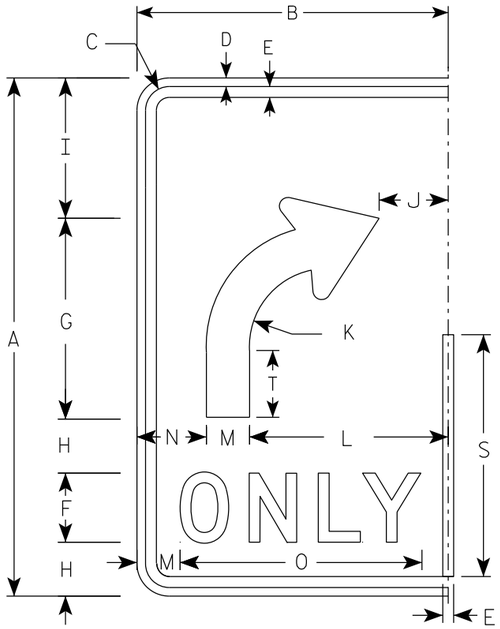
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

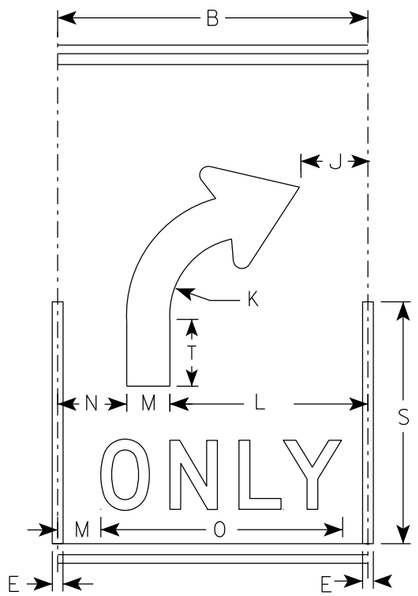
SHEET NO: 690 E

NOTES

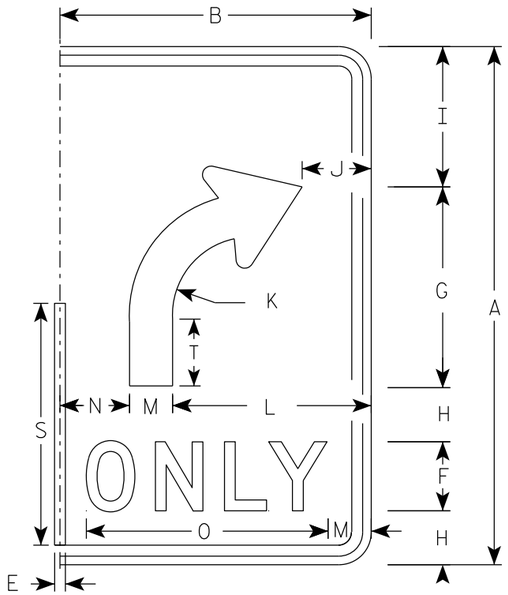
1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D



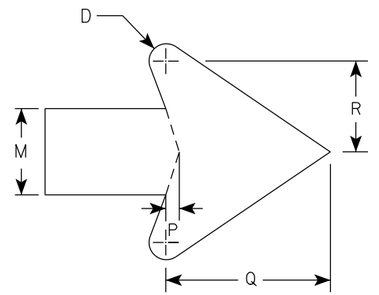
(R)



(R)



(R)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
2M	30	18	1 3/8	1/2	5/8	4	11 5/8	3 1/8	8 1/8	4	4 1/2	11 1/2	2 1/2	4	14	3/8	4 3/4	2 5/8	14	3 7/8							3.75
3	36	24	1 3/8	1/2	5/8	5	14	3 1/2	9 3/4	6	5 3/8	15	3	6	17 5/8	1/2	5 3/4	3 1/8	16 3/4	4 5/8							6.0
4	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0
5	48	30	2 1/4	3/4	1	6	18 5/8	5 1/8	13 1/8	6 1/8	7 1/4	18	4	8	21 3/4	5/8	7 5/8	4 1/4	22 3/8	6 1/4							10.0

STANDARD SIGN
R3-8 (R) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

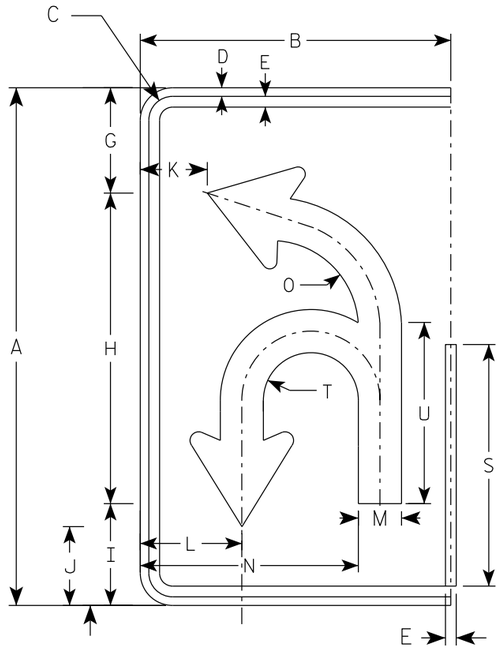
DATE 5/21/19 PLATE NO. R3-8.1

PROJECT NO:

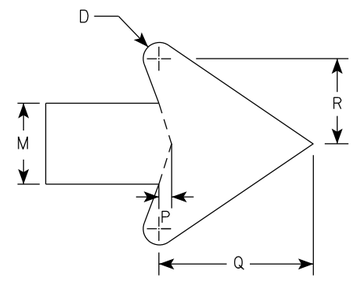
SHEET NO: 691 **E**

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - None



(U)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
2M	30	18	1 3/8	1/2	5/8		6 1/8	18	5 7/8	4 5/8	3 7/8	5 7/8	2 1/2	12 5/8	5 1/8	3/8	4 3/4	2 5/8	14	2 3/4	10 1/2						3.75
3	36	24	1 3/8	1/2	5/8		21 7/8	21 5/8	7 1/8	5 1/2	5 7/8	8 1/4	3	16 3/8	6 1/8	1/2	5 3/4	3 1/8	16 3/4	3 1/4	12 5/8						6.0
4	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0
5	48	30	2 1/4	3/4	1		29 1/8	28 3/4	9 3/8	7 1/4	6 7/8	10	4	20 7/8	8 1/8	5/8	7 5/8	4 1/4	22 3/8	4 3/8	16 3/4						10.0

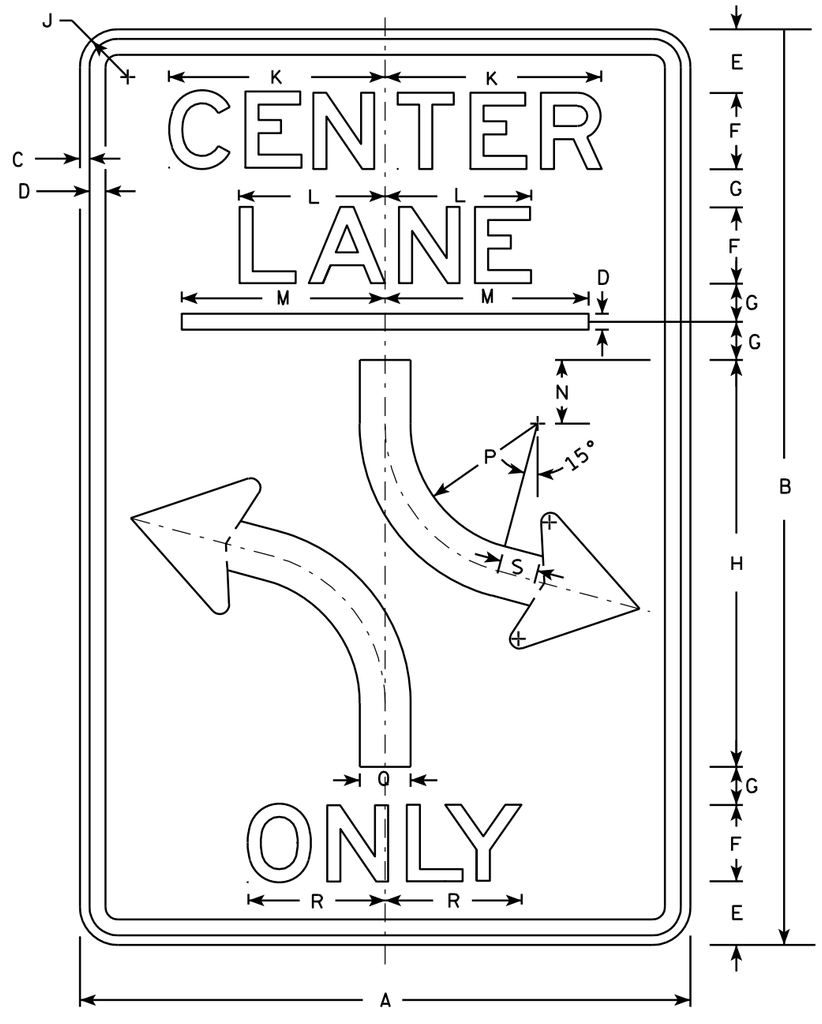
STANDARD SIGN
R3-8 (U) Arrow

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/21/19 PLATE NO. R3-8.1

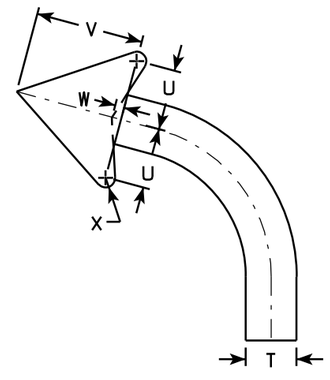
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 692 | E



R3-9B

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
2M	24	36	3/8	1/2	2 1/2	3	1 1/2	16		1 1/2	8 1/2	5 3/4	8	2 1/2		6	2	5 1/8	1 1/2		2 3/8	4 3/8	3/8				6.0
3	36	48	5/8	7/8	3 1/2	5	1 1/2	20		2 1/4	14 1/8	9 1/2	12	3		4	3	9 7/8	2		3 1/2	6 1/8	1/2				12.0
4																											
5																											

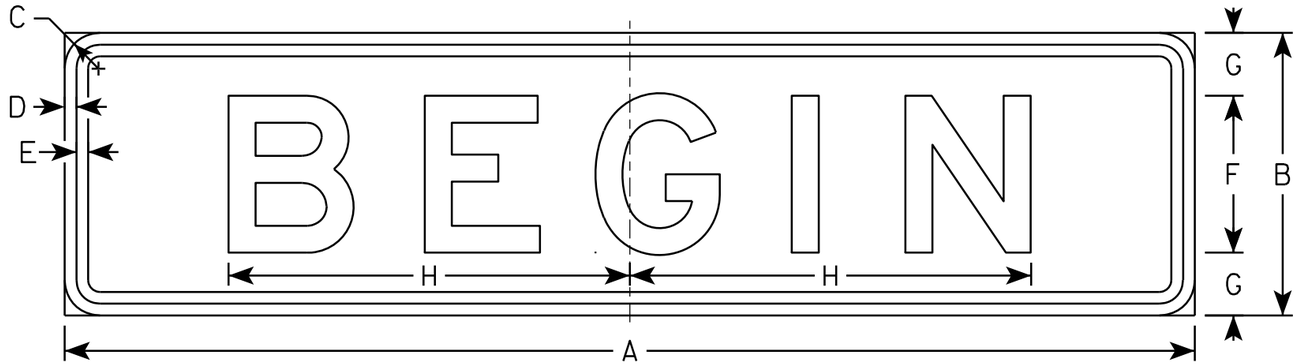
STANDARD SIGN
R3-9B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9B.5

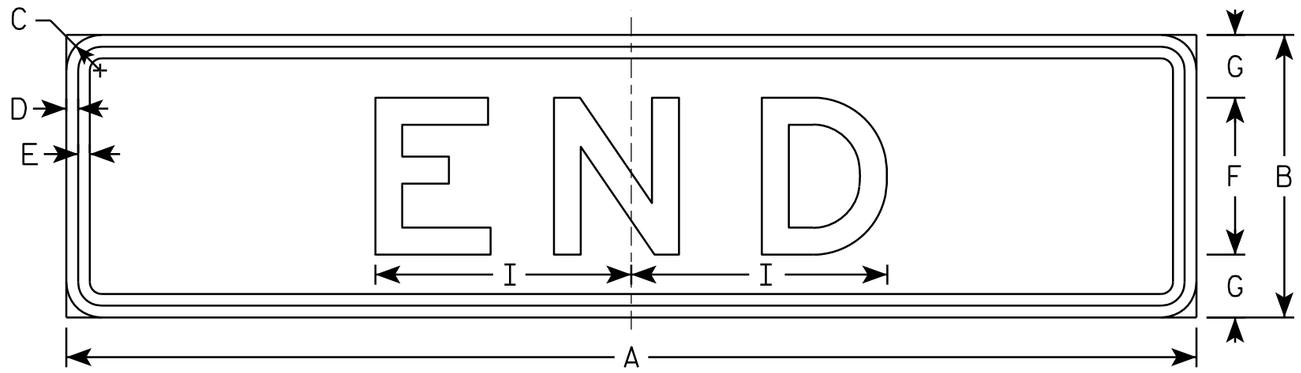
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 693 | E



R3-9C

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R3-9D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
2M	24	6	1 1/8	3/8	3/8	3	1 1/2	7 3/4	4 7/8																		1.0
3	36	9	1 1/8	3/8	3/8	5	2	12 3/4	8 1/8																		1.86
4																											
5																											

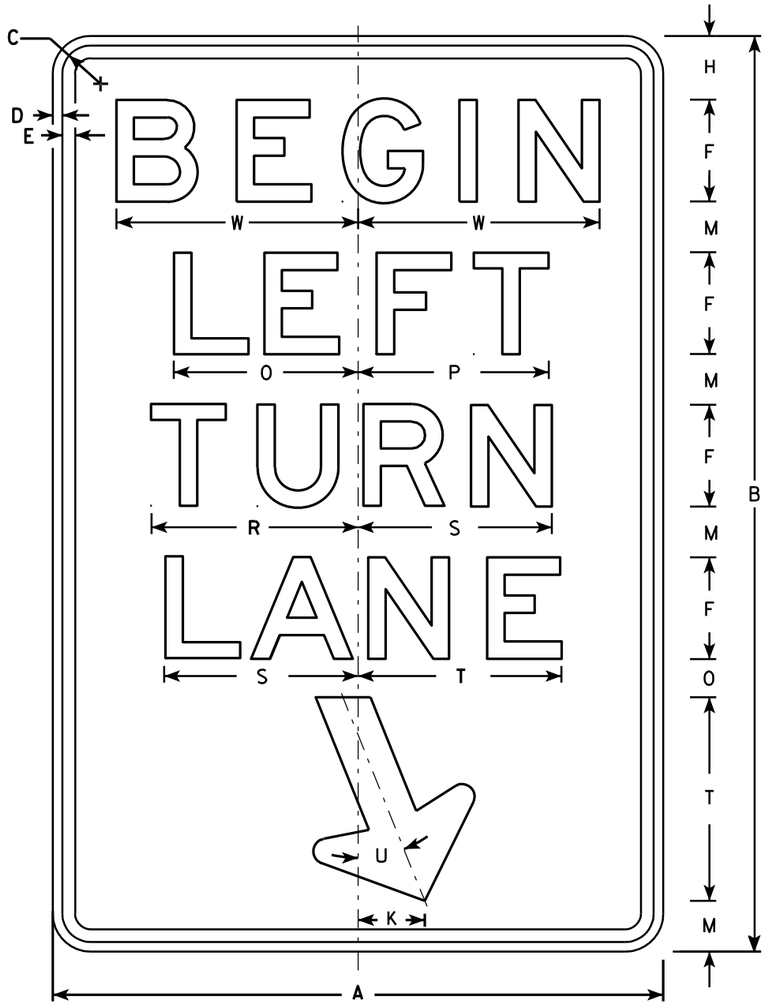
STANDARD SIGN
R3-9C & R3-9D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-9C.2

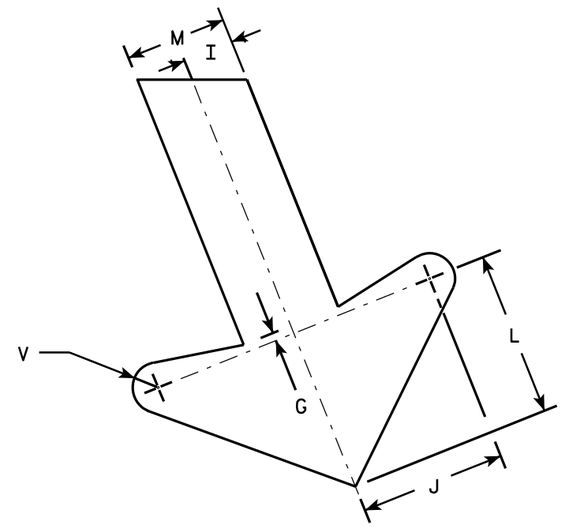
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 694	E



R3-20L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

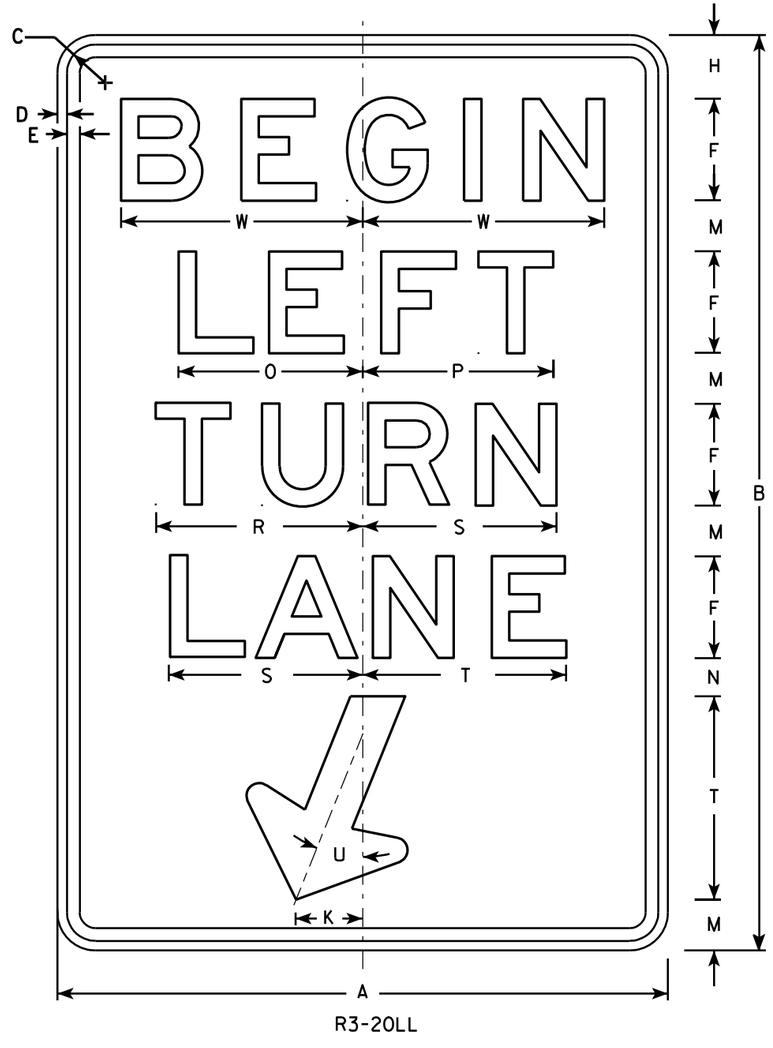
STANDARD SIGN
R3-20L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7

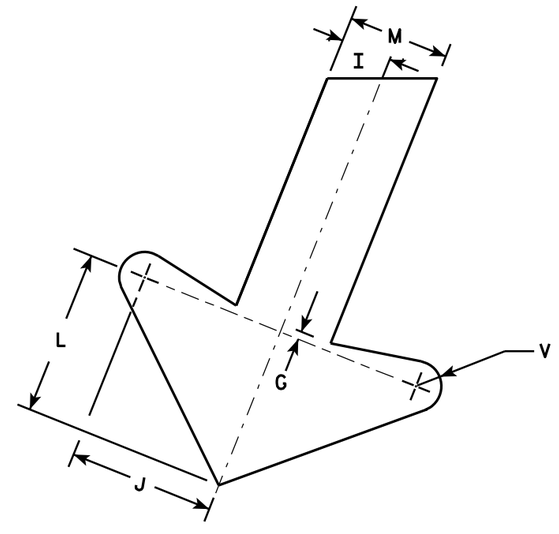
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 695 | E



R3-20LL

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
3	36	54	1 3/4	1/2	5/8	6	3/8	3 3/4	1 1/2	4 1/4	4	4 7/8	3	2 1/4	10 7/8	11 1/4		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

STANDARD SIGN
R3-20LL

WISCONSIN DEPT OF TRANSPORTATION

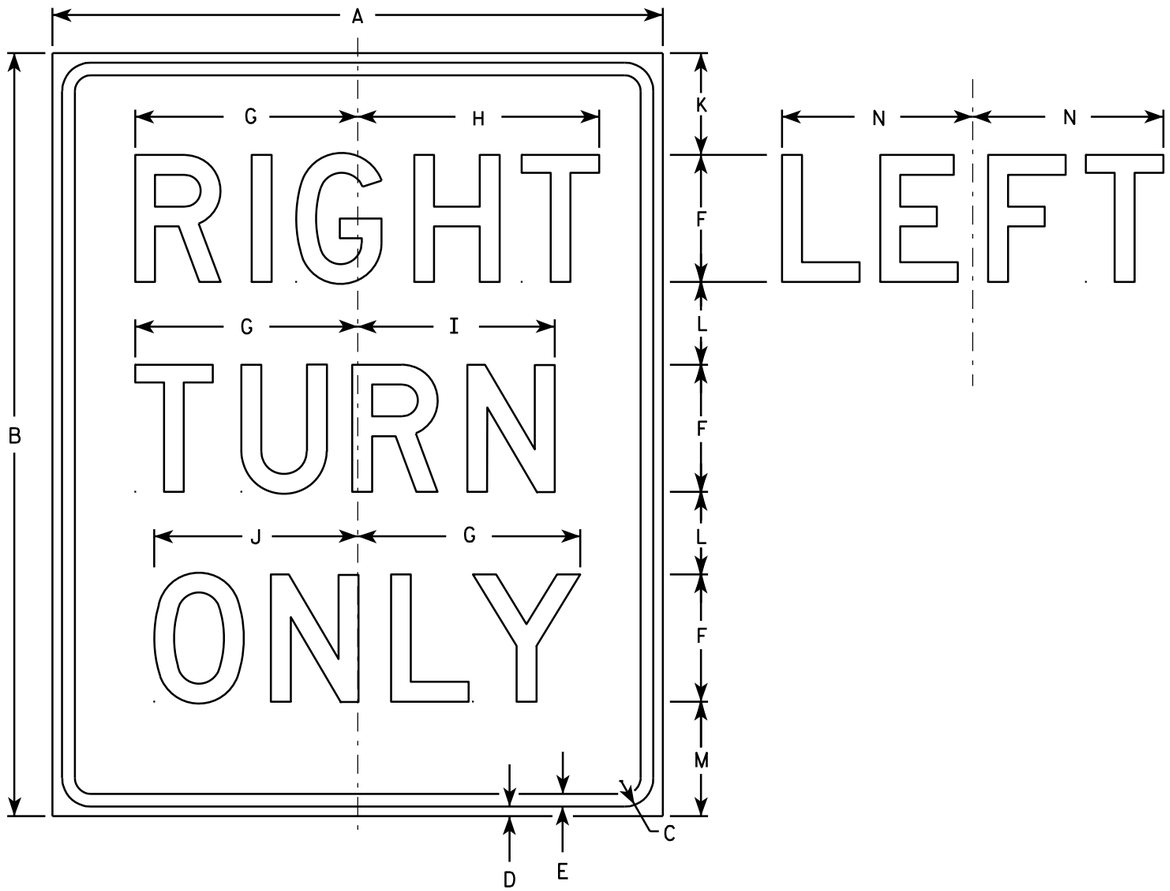
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20LL.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 696	E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R320LL.DGN PLOT DATE : 15-OCT-2010 14:38 PLOT BY : dotsja PLOT NAME : PLOT SCALE : 5.959043:1.000000

WISDOT/CADDS SHEET 42



R3-53R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R3-53L same as R3-53R except LEFT is substituted for RIGHT.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
2M	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
3	24	30	1 1/8	3/8	1/2	5	8 3/4	9 1/2	7 3/4	8	4	3 1/4	4 1/2	7 1/2													5.0
4																											
5																											

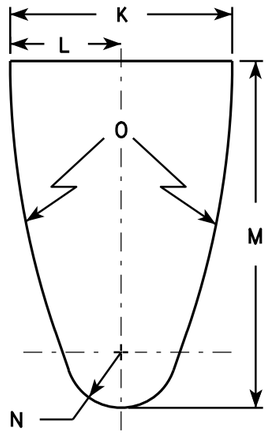
STANDARD SIGN
R3-53

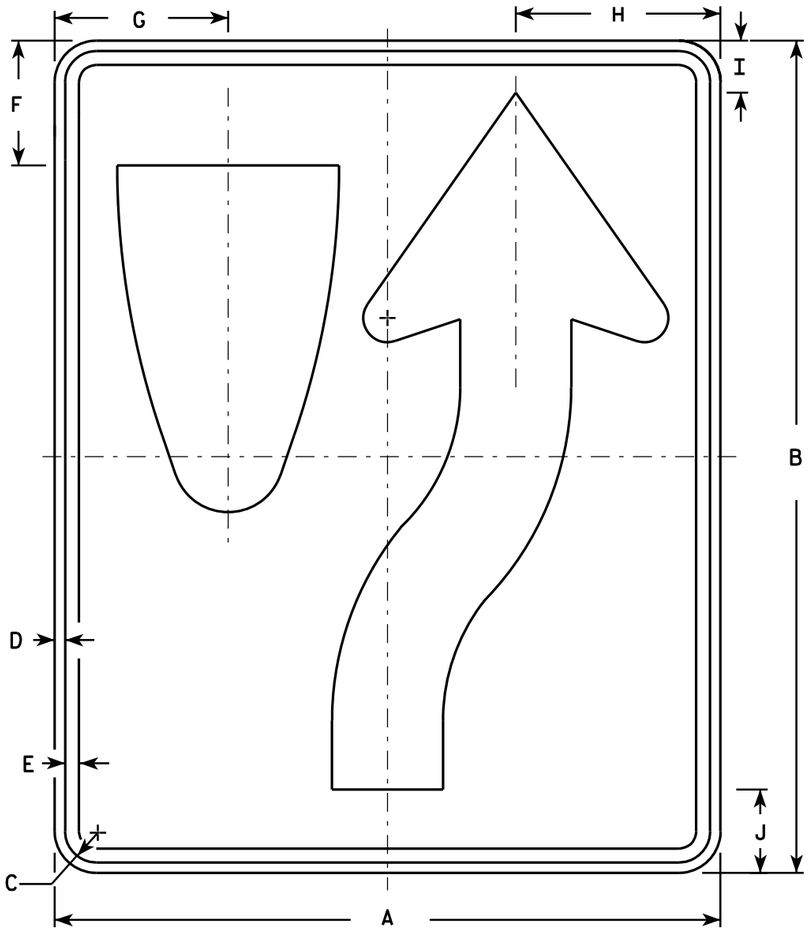
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-53.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 697	E

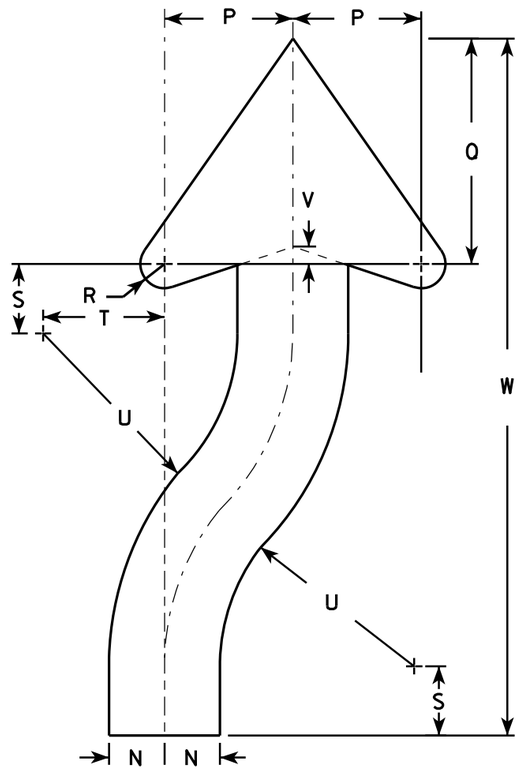




R4-7

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. material is plywood but borders shall be rounded
2. Color:
   Background - White
   Message - Black
3. Corners may be square or rounded when base as shown. When base material is metal, the corners and borders shall be rounded.
4. R4-8 is the same as R4-7 except Legend is reversed.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3 3/8	4 3/4	5 1/2	1 3/8	2 1/4	6	3	9 3/8	1 1/2	22 1/2	3 1/2	6 1/8	5/8	1 7/8	3 1/4	6 3/4	1/2	20 3/8				3.0
2S	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
2M	24	30	1 1/8	3/8	1/2	4 1/2	6 1/4	7 3/8	1 7/8	3	8	4	12 1/2	2	30	4 5/8	8 1/8	7/8	2 1/2	4 3/8	9	5/8	25 1/8				5.0
3	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
4	36	48	1 3/4	1/2	5/8	6 3/4	9 3/8	11 1/8	2 7/8	4 1/2	12	6	18 3/4	3	45	6 7/8	12 1/4	1 1/4	3 3/4	6 5/8	13 1/2	1	40 3/4				12.0
5	48	60	2 1/4	3/4	1	9	12 1/2	14 3/4	3 3/4	6	16	8	25	4	60	9 1/4	16 1/4	1 5/8	5	8 3/4	18	1 1/4	50 1/4				20.0

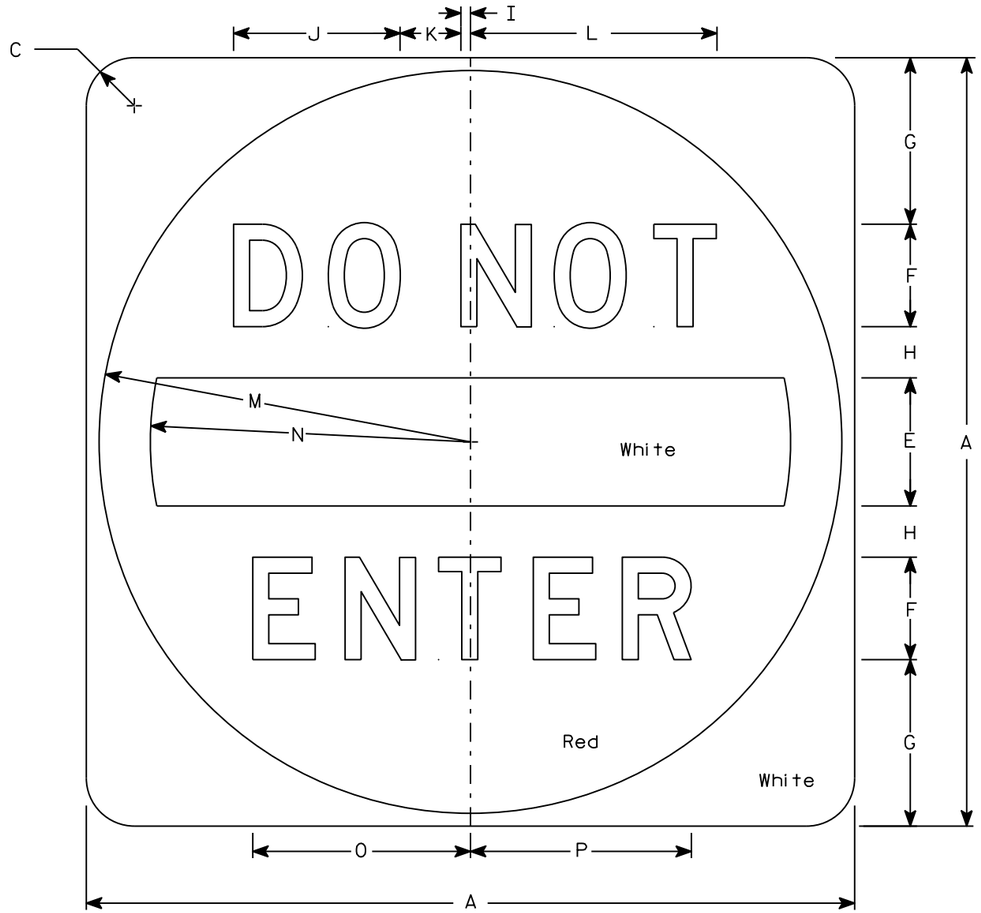
STANDARD SIGN
R4-7 & R4-8

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-7.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 698	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

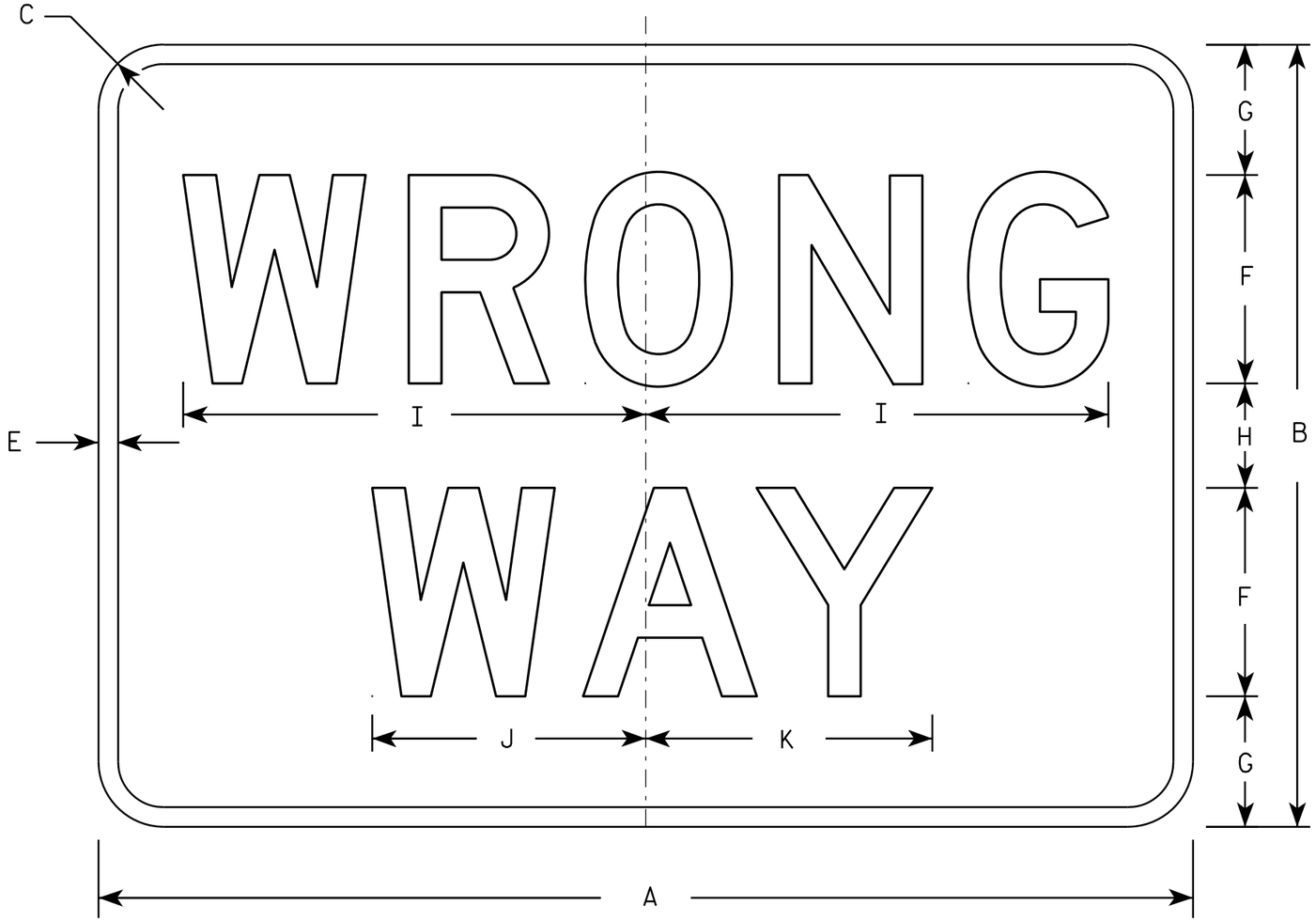
STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 699 | E



R5-1A

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	18	1 1/2		1/2	5	3	2	11	6 1/2	6 7/8																3.75
2S	36	24	2		5/8	6	4 1/2	3	13 1/4	7 7/8	8 1/4																6.00
2M	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
3	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
4	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75
5	42	30	2 1/2		3/4	8	5	4	17 3/4	10 1/2	11																8.75

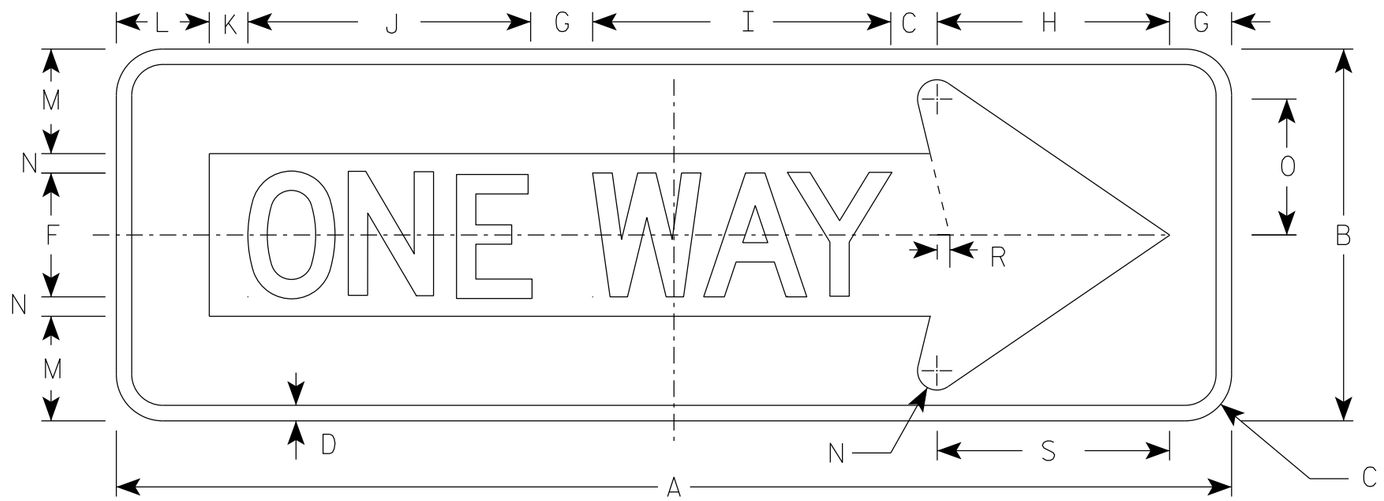
STANDARD SIGN
R5-1A

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/17/10 PLATE NO. R5-1A.2

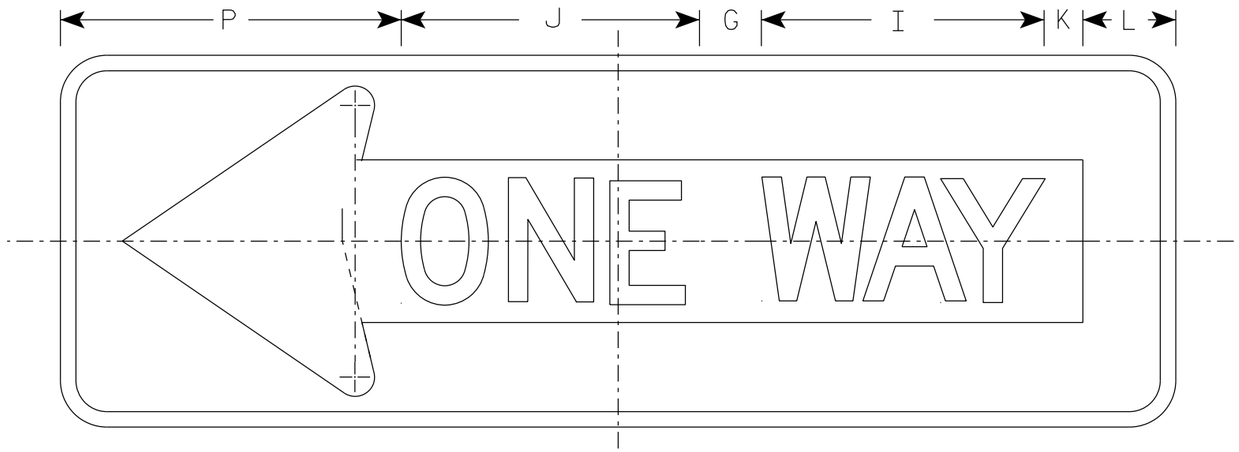
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 700	E



R6-1R

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - BLACK
   Message - BLACK LEGEND & WHITE ARROW & BORDER
3. Message Series - D



R6-1L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36	12	1 1/2	1/2		4	2	7 1/2	9 5/8	9 1/8	1 1/4	3	3 3/8	5/8	4 3/8	11		3/8	7 1/2								3.0
2M	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
3	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
4	54	18	2 1/4	3/4		6	3	11 1/4	13 5/8	14 1/2	1 7/8	4 1/2	5	1	6 1/2	16 1/2		5/8	11 1/4								6.75
5																											

STANDARD SIGN
R6-1 L & R

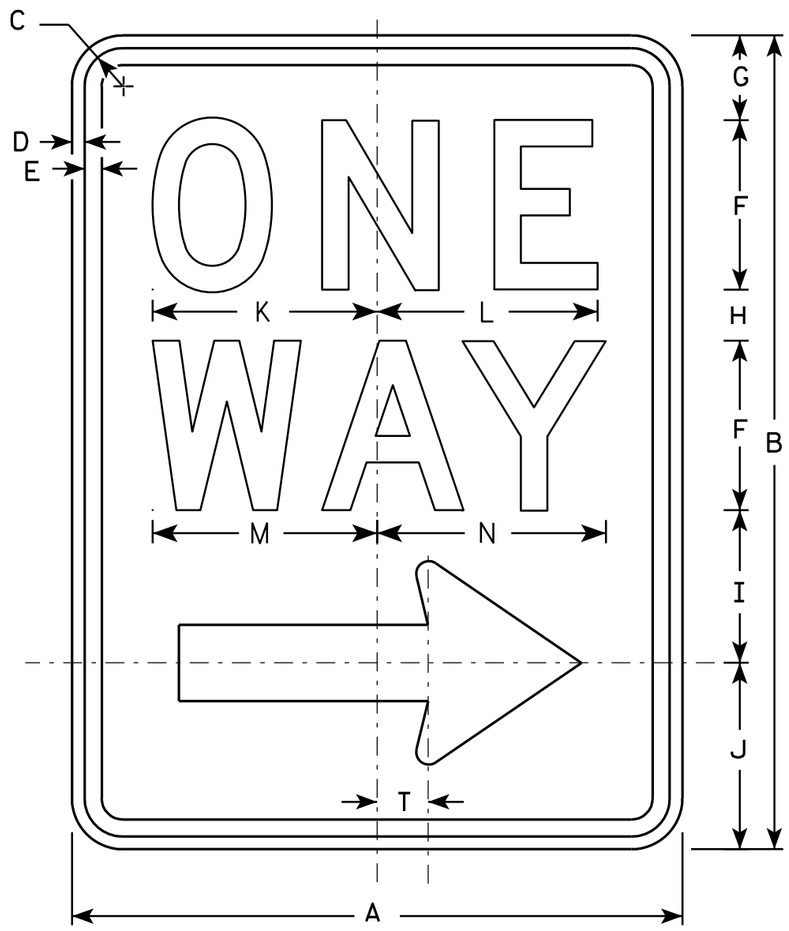
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 07/11/18 PLATE NO. R6-1.3

PROJECT NO:

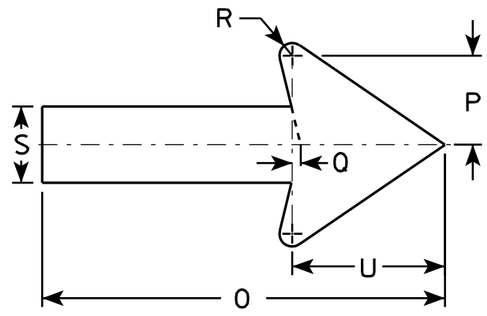
SHEET NO: 701 E



R6-2R

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. R6-2L same as R6-2R except arrow points to the left.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z
1	18	24	1 1/8	3/8	1/2	5	2 1/2	1 1/2	4 1/2	5 1/2	6 5/8	6 1/2	6 5/8	6 3/4	11 7/8	2 5/8	1/4	3/8	2 1/4	1 1/2	4 1/2					
2S	24	30	1 1/8	3/8	1/2	6	3	2 1/2	5 1/2	7	8 1/8	8 1/8	8 1/2	8 5/8	16	3 1/2	3/8	1/2	3	2	6					
2M	30	36	1 3/8	1/2	5/8	8	2 1/2	2 5/8	6 7/8	8	10 1/2	10 1/2	11 1/4	11 1/4	20	4 3/8	1/2	5/8	3 3/4	2 1/2	7 1/2					
3	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
4	36	48	1 7/8	1/2	5/8	10	5 1/4	3 1/4	9	10 1/2	12 3/4	12 3/4	13 1/4	13 1/2	24	5 5/8	1/2	3/4	4 3/4	3	9					
5																										

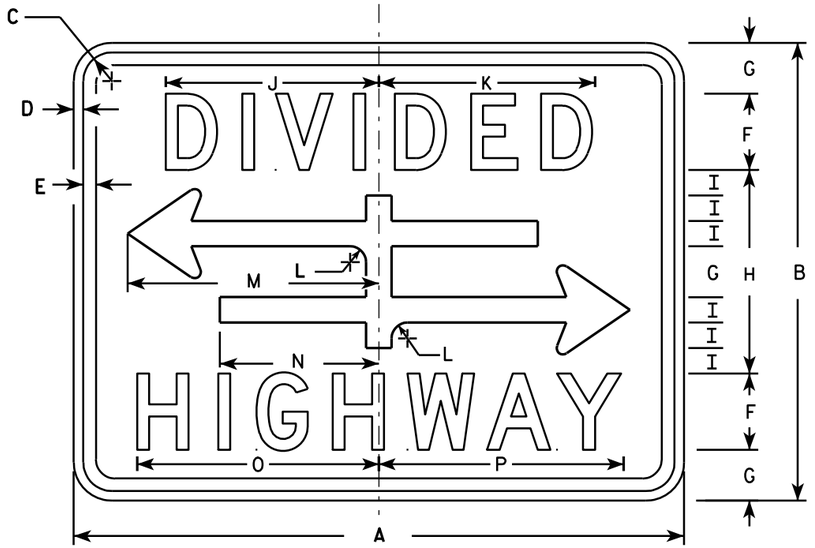
STANDARD SIGN
R6-2 R&L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8

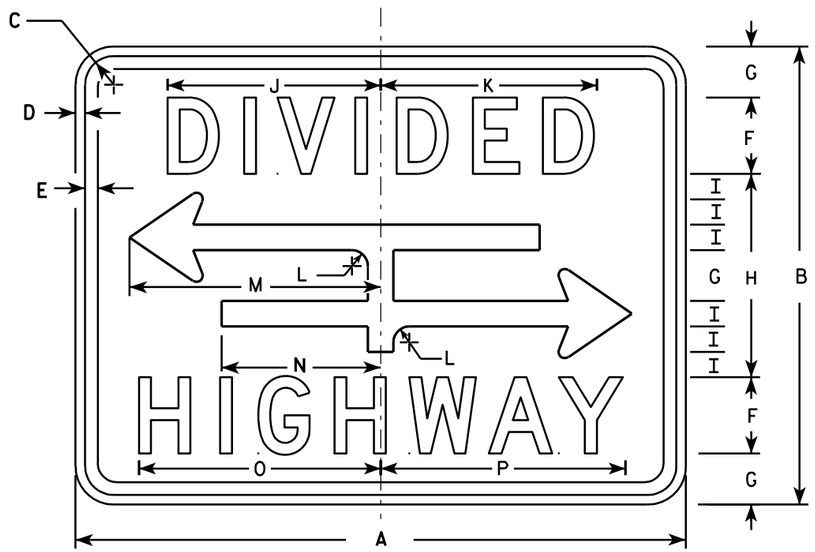
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 702	E



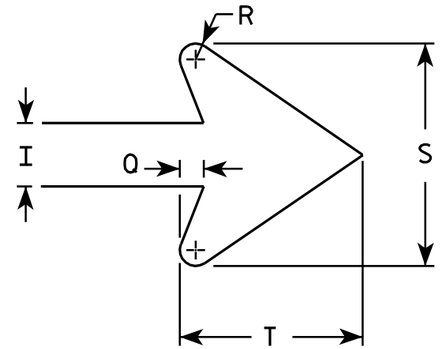
R6-3

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



R6-3A



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24	18	1 1/8	3/8	3/8	3	2	8	1	8 3/8	8 1/2	5/8	9 7/8	6 1/4	9 1/2	9 5/8	3/8	1/4	3 1/2	2 3/4							3.0
2S	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
2M	30	24	1 1/8	3/8	1/2	4	2 5/8	10 3/4	1 3/8	10 1/2	10 5/8	7/8	12 1/2	7 7/8	12 1/4	12 3/8	1/2	3/8	4 5/8	3 5/8							5.0
3																											
4																											
5																											

STANDARD SIGN
R6-3 & R6-3A

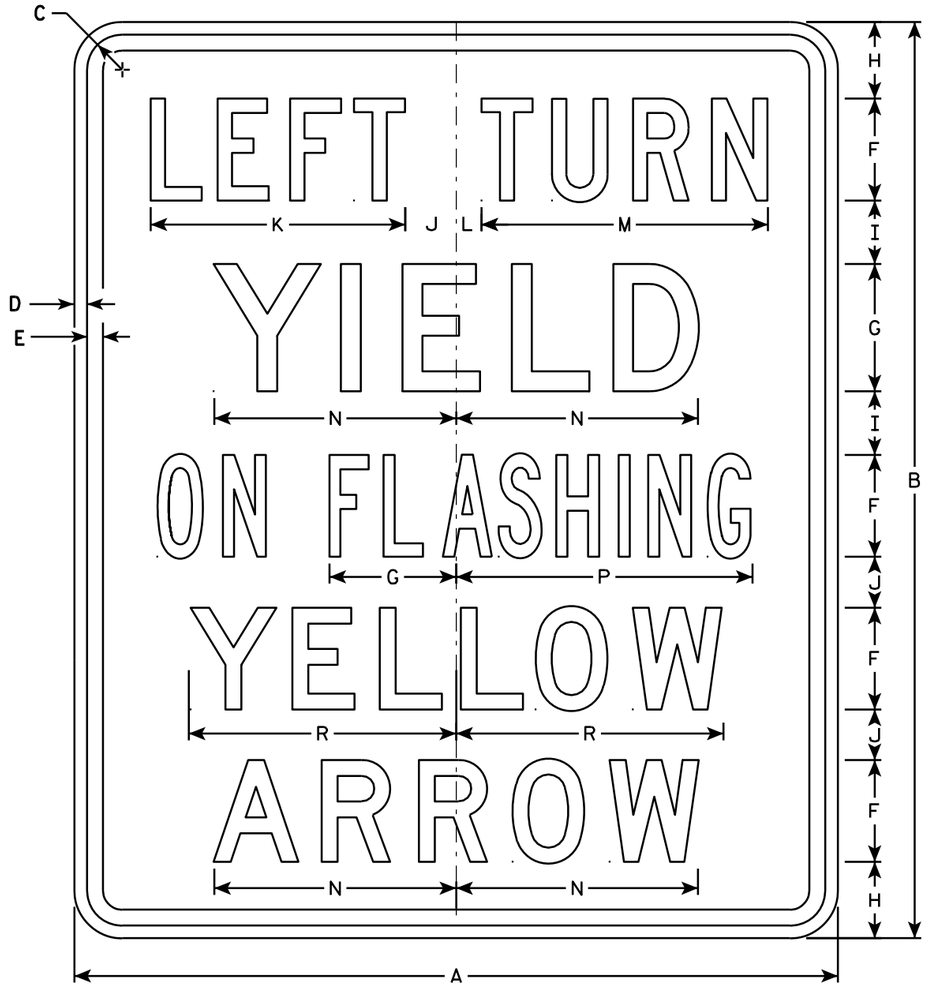
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

SHEET NO: 703 E

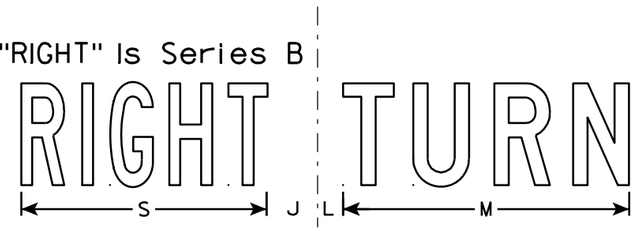


R10-50L

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series C.
   Lines 2, 4 and 5 are Series D.
   Line 3 is Series B.

"RIGHT" Is Series B



R10-50R

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	36	1 3/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2	9 5/8								7.5
2M	30	36	1 3/8	1/2	5/8	4	5	3	2 1/2	2	10	1	11 1/4	9 1/2	4 1/4	11 5/8		10 1/2	9 5/8								7.5
3																											
4																											
5																											

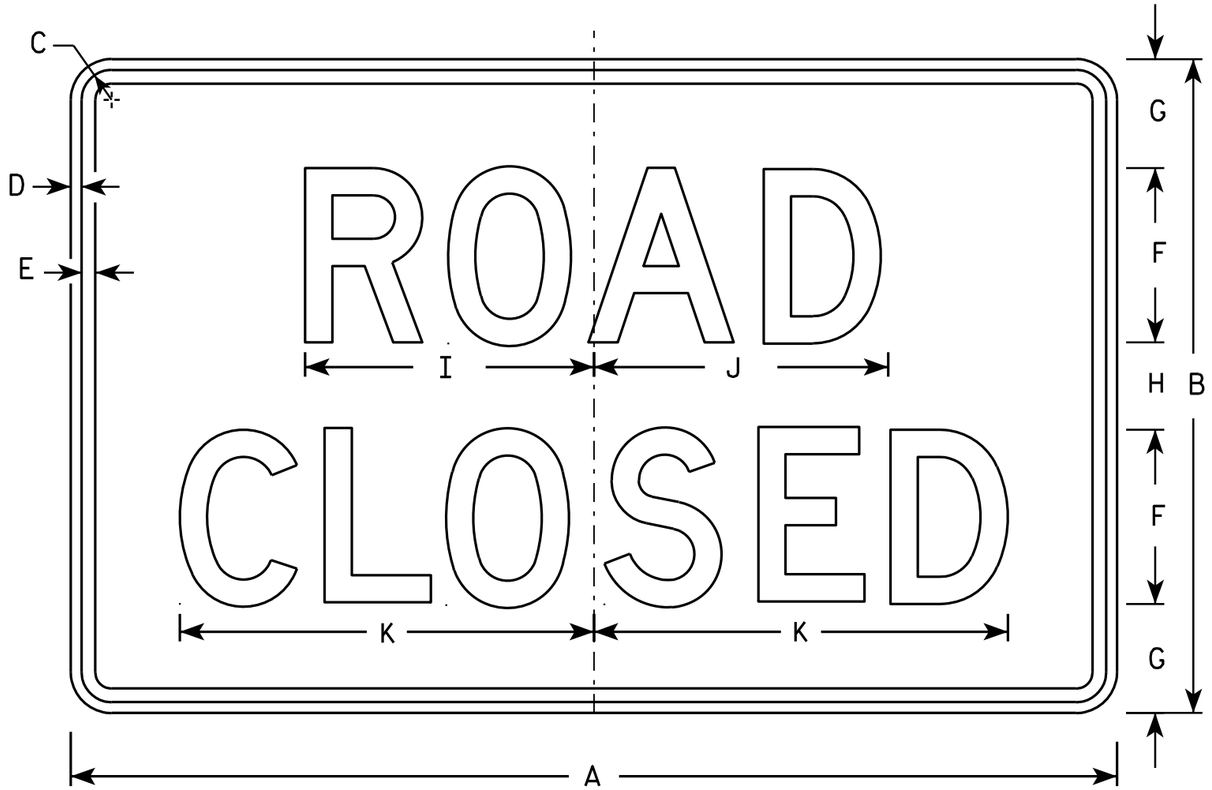
STANDARD SIGN
R10-50

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/11/13 PLATE NO. R10-50.2

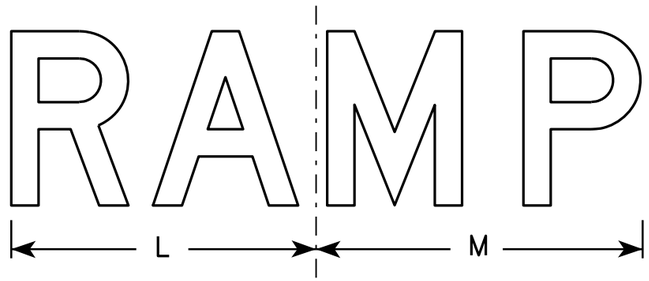
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 704	E



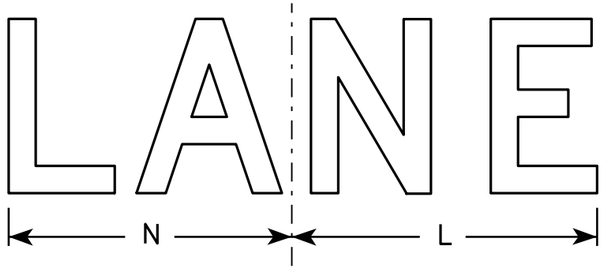
R11-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



R11-2R



R11-2L

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
2M	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
3	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
4	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0
5	48	30	1 3/8	1/2	5/8	8	5	4	13 1/4	13 1/2	19	14	15	13													10.0

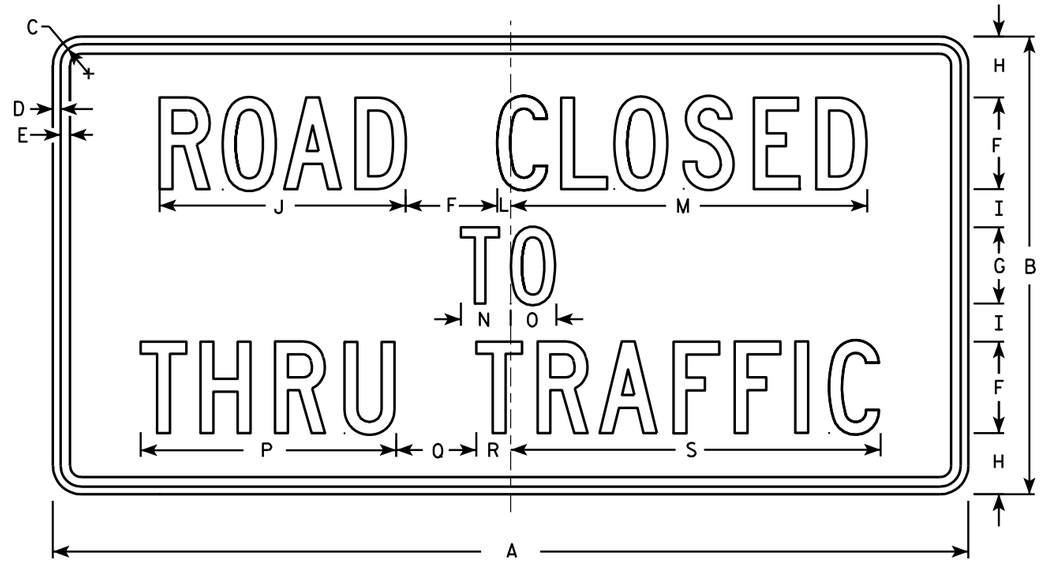
STANDARD SIGN
R11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 705	E



R11-4

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
2M	60	30	1 3/8	1/2	5/8	6	5	4	2 1/2	16 1/8		7/8	23 3/8	3 1/4	3	16 3/4	5 1/4	2 1/4	24 1/4								12.5
3																											
4																											
5																											

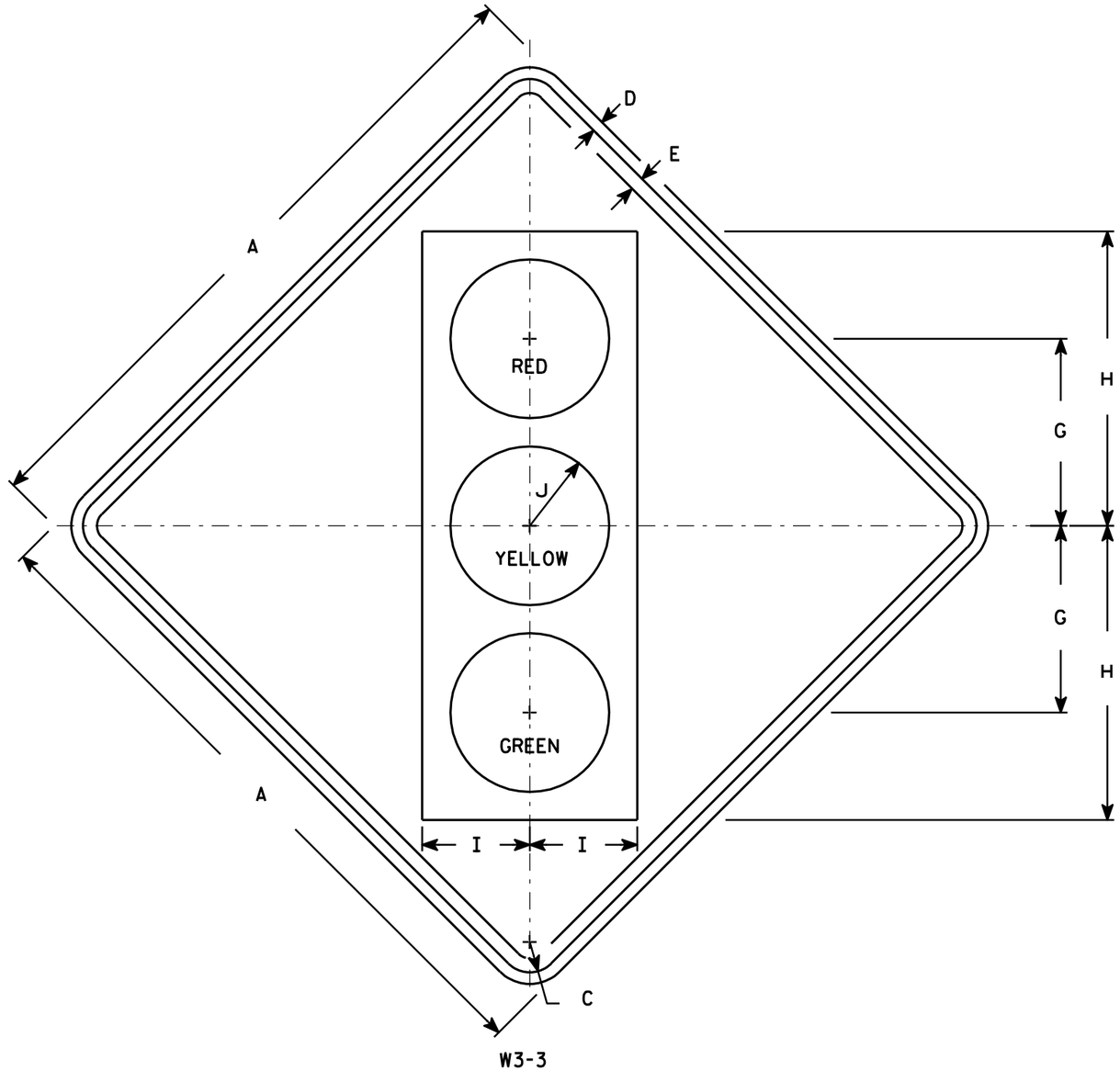
STANDARD SIGN
R11 - 4

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 4/1/11 PLATE NO. R11-4.3

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 706 | E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - See Note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Symbol and border are non-reflective black.
   Top circle - Type H Reflectorized Red
   Center circle - Same as background
   Bottom circle - Type H Reflectorized Green

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		8 3/4	13 3/4	5	3 3/4																	6.25
2S	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
2M	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
3	36		1 5/8	5/8	3/4		10	15 3/4	5 3/4	4 1/4																	9.0
4	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0
5	48		2 1/4	3/4	1		12 1/2	20	7 1/2	5																	16.0

STANDARD SIGN
W3-3

WISCONSIN DEPT OF TRANSPORTATION

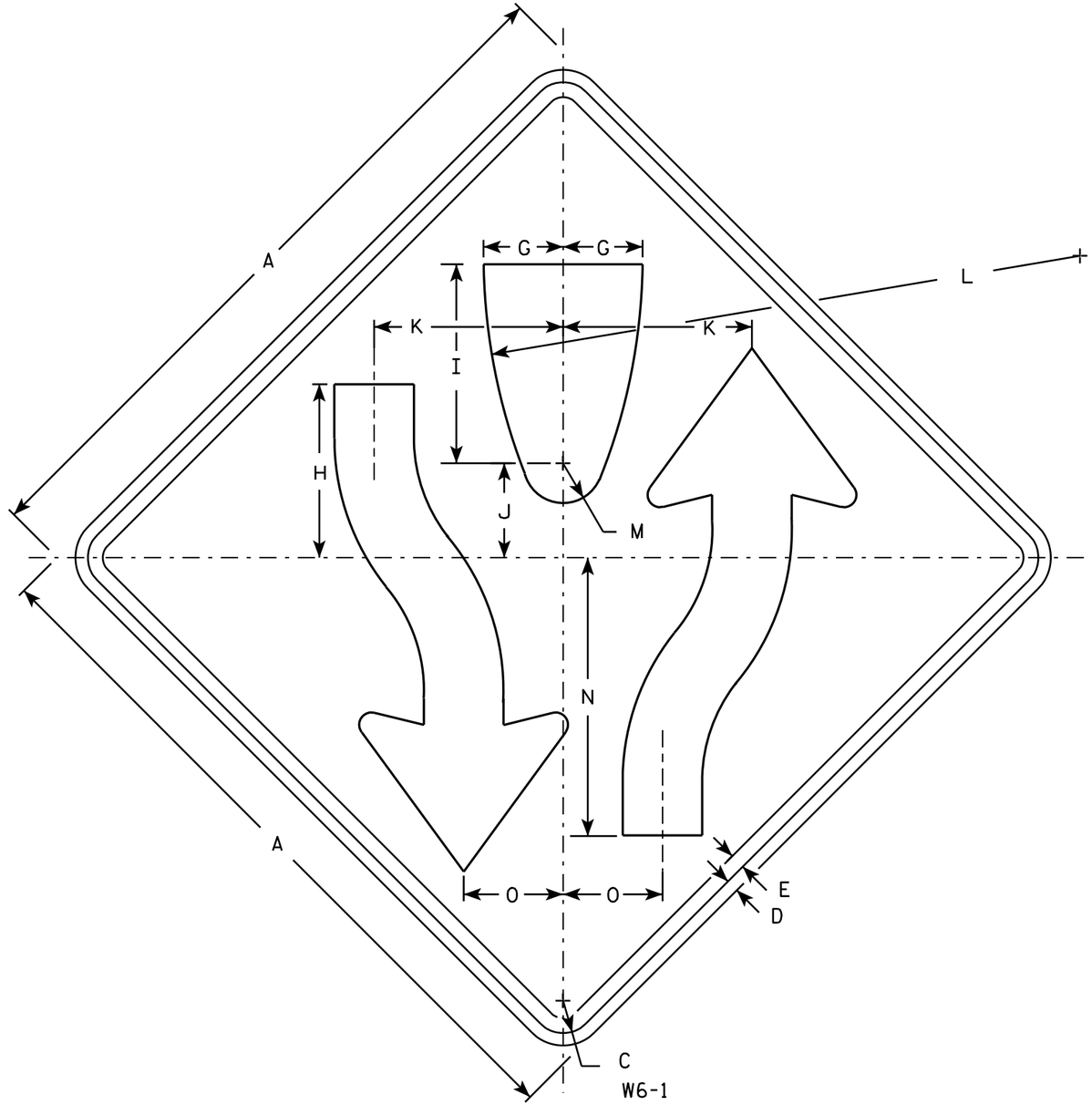
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-3.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 707 | E

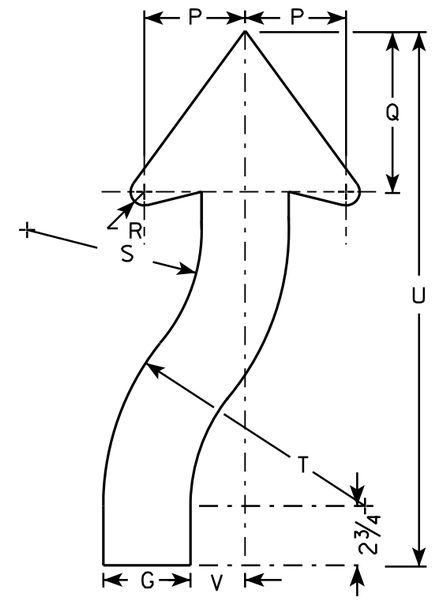
7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W33.DGN PLOT DATE : 07-JUN-2010 13:07 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 7.448805:1.000000



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W6-2 same as W6-1 but is rotated 180° when mounted.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8		3 1/4	8	8 1/4	4 1/8	7 7/8	25	1 3/4	11 5/8	4 1/8	3 7/8	6 3/4	5/8	6 5/8	9 7/8	21 5/8	2					6.25
2S	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
2M	36		1 5/8	5/8	3/4		4	8 3/4	10	4 3/4	9 1/2	30	2	14	5	4 5/8	7 3/8	7/8	8	12	24 1/2	2 1/2					9.0
3																											
4	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0
5	48		2 1/4	3/4	1		5 3/8	11 5/8	13 3/8	6 3/8	12 5/8	40	2 5/8	18 5/8	6 5/8	6 1/4	9 7/8	1 1/4	10 5/8	16	32 5/8	3 3/8					16.0

STANDARD SIGN
W6-1 & W6-2

WISCONSIN DEPT OF TRANSPORTATION

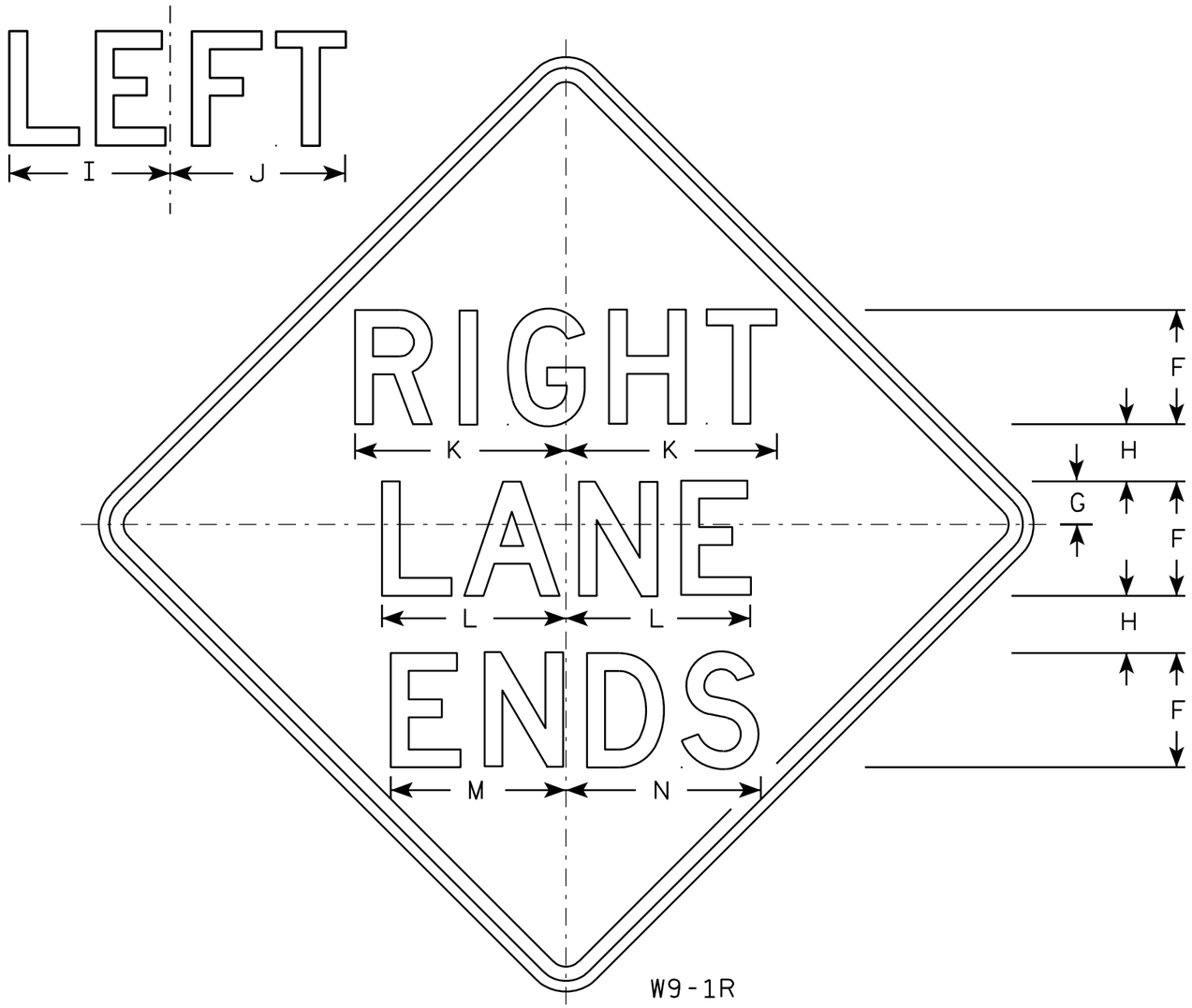
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/12/13 PLATE NO. W6-1.14

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 708	E

7

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W61.DGN PLOT DATE : 12-MAR-2013 14:02 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 6.946657:1.000000
WISDOT/CADDS SHEET 42



W9-1R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. W9-1L same as W9-1R except the word Left replaces Right.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	5	1 1/2	2 1/2	7 1/8	7 5/8	9 1/4	8 1/8	7 5/8	8 5/8													6.25
2S	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
2M	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
3	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
4	36		1 5/8	5/8	3/4	6	2	3	8 1/2	9 1/8	11	9 3/4	9	10 3/8													9.0
5	48		2 1/4	3/4	1	8	3	4	11 1/4	12 1/4	14 3/4	12 7/8	12 1/4	13 5/8													16.0

STANDARD SIGN
W9-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/18/13 PLATE NO. W9-1.8

PROJECT NO:

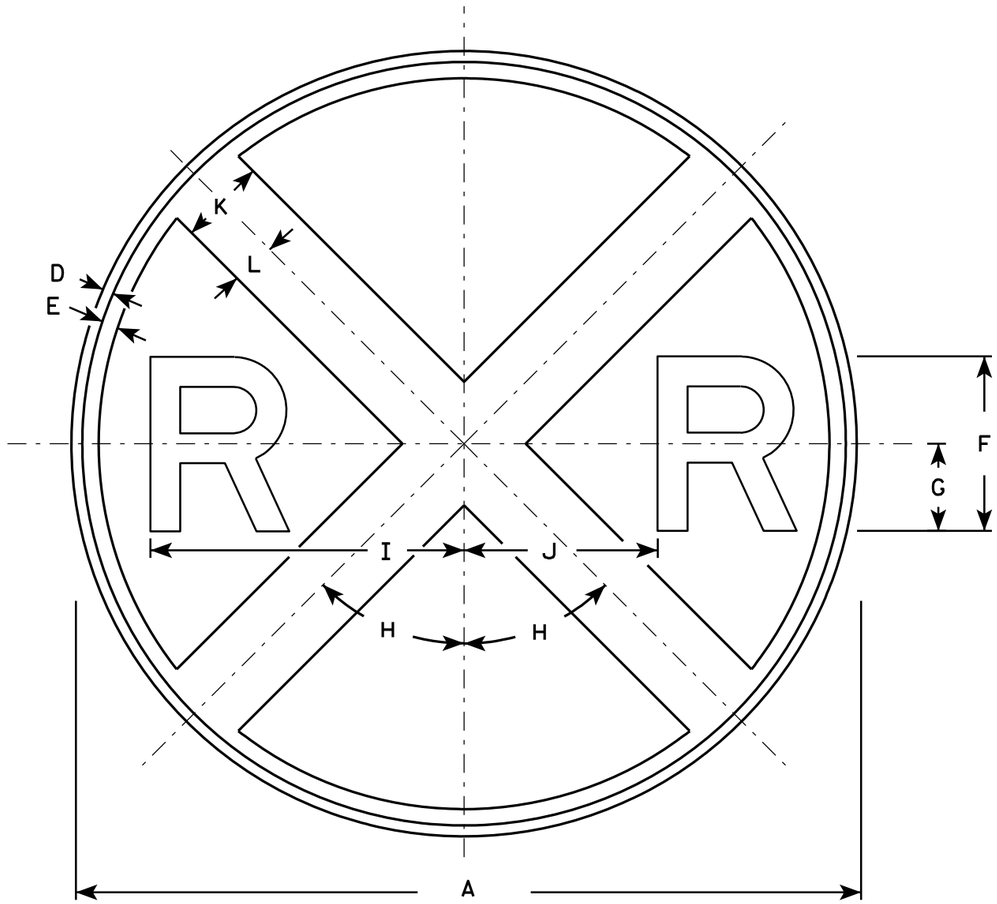
SHEET NO: 709 E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\W91.DGN PLOT DATE : 18-MAR-2013 11:42 PLOT BY : mscsja

WISDOT/CADDS SHEET 42

7

7



W10-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - E

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30			3/8	5/8	7	3 1/2	45°	12 3/8	7 1/8	3	1 1/2															4.91
2S	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
2M	36			5/8	3/4	8	4	45°	14 3/8	8 5/8	4	2															7.07
3																											
4	48			3/4	1 1/4	10	5	45°	18 3/8	11 5/8	5	2 1/2															12.57
5																											

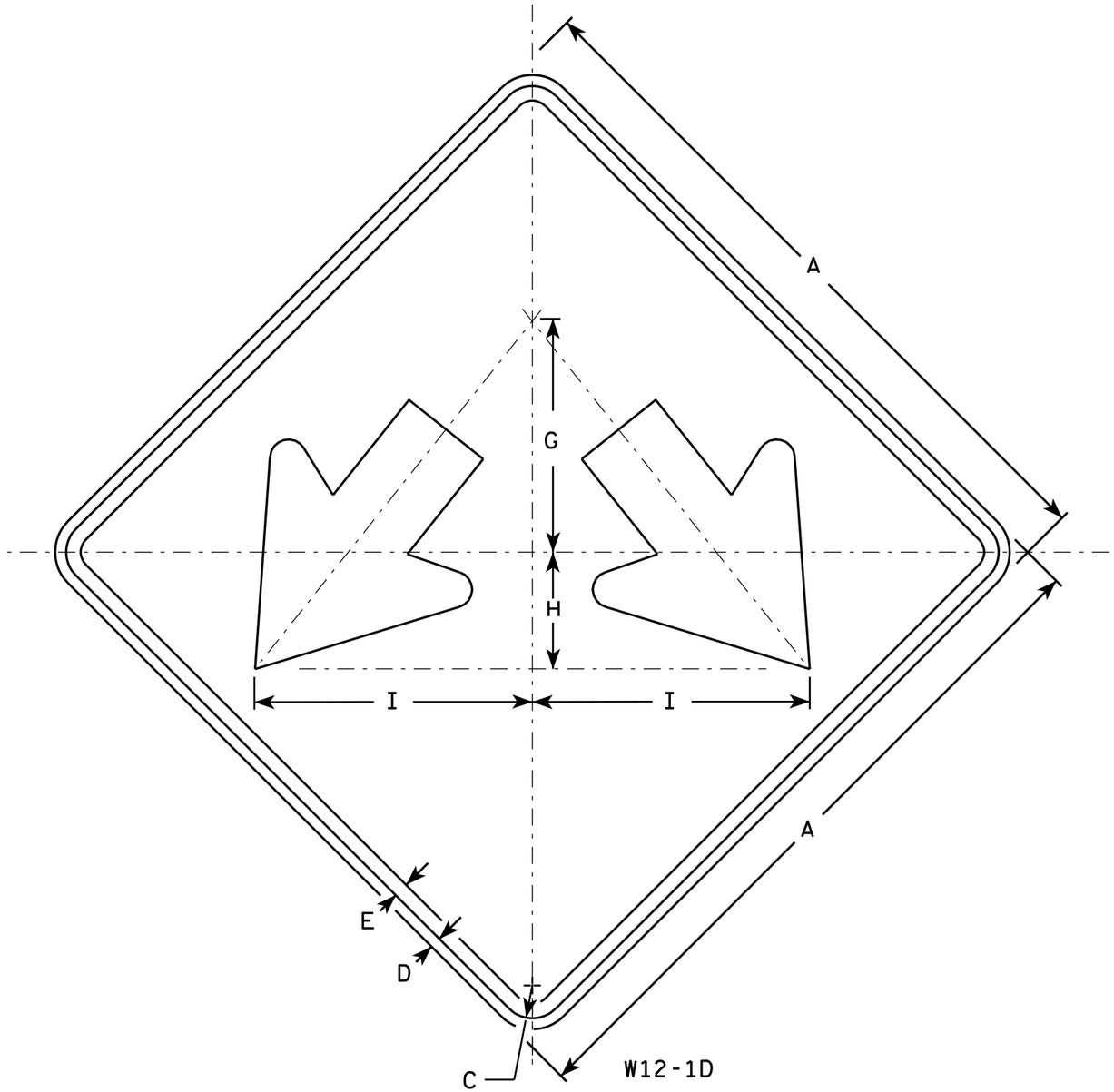
STANDARD SIGN
W10-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

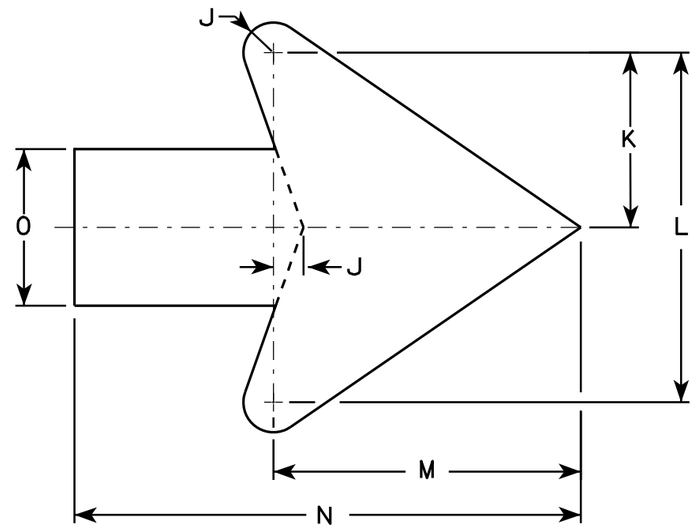
DATE 3/13/13 PLATE NO. W10-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 710	E



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	48		2 1/4	3/4	1		16	8	19	1 1/4	7 1/4	14 1/2	12 3/4	21	6 1/4												16.0

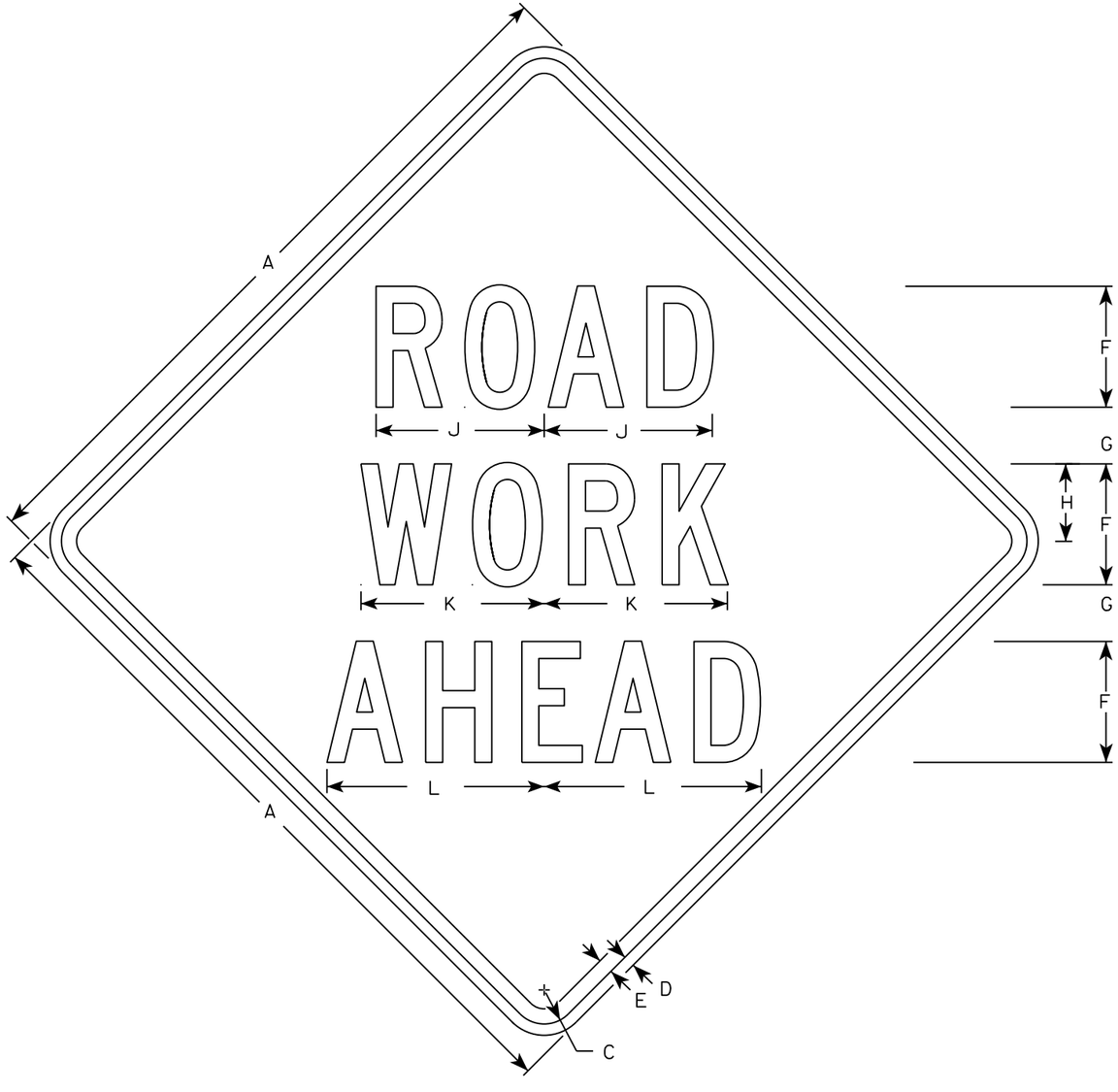
STANDARD SIGN
W12-1D

WISCONSIN DEPT OF TRANSPORTATION

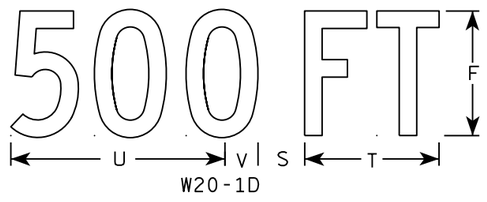
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15

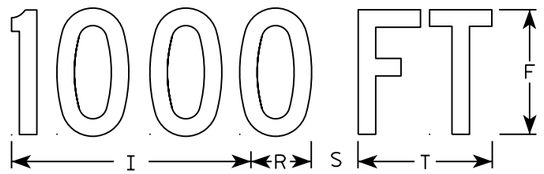
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 711	E



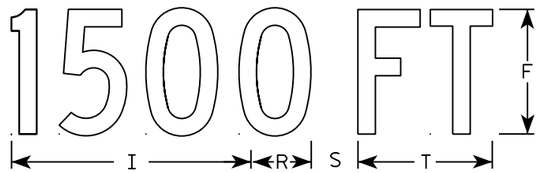
W20-1A



W20-1D



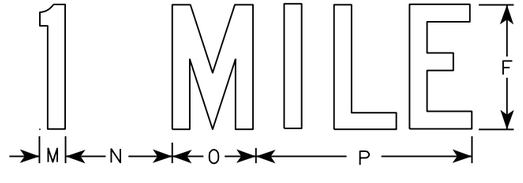
W20-1C



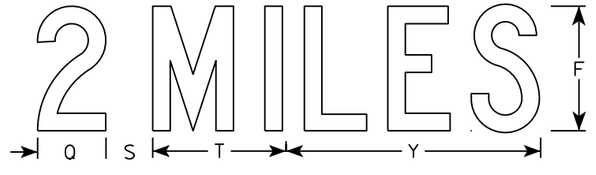
W20-1B



W20-1G



W20-1F



W20-1E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 3/8	1/2	5/8	5	2 5/8	3 1/4	10 1/8	7	7 5/8	8 7/8	1 1/8	4 1/2	3 1/2	9		2 1/2	2 1/4	5 5/8	9	1 3/8	8	1 3/4	10 3/4	6	9.0
2S	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
2M	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
3	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
4	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0
5	48		2 1/4	3/4	1	8	3 3/4	5 1/8	15 3/8	11 1/8	12 1/8	14 3/8	1 5/8	6 7/8	5 3/8	13 7/8	4 3/8	3 7/8	3	8 5/8	13 3/4	2 1/8	11 7/8	2 3/4	16 3/8	9	16.0

STANDARD SIGN
W20-1A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

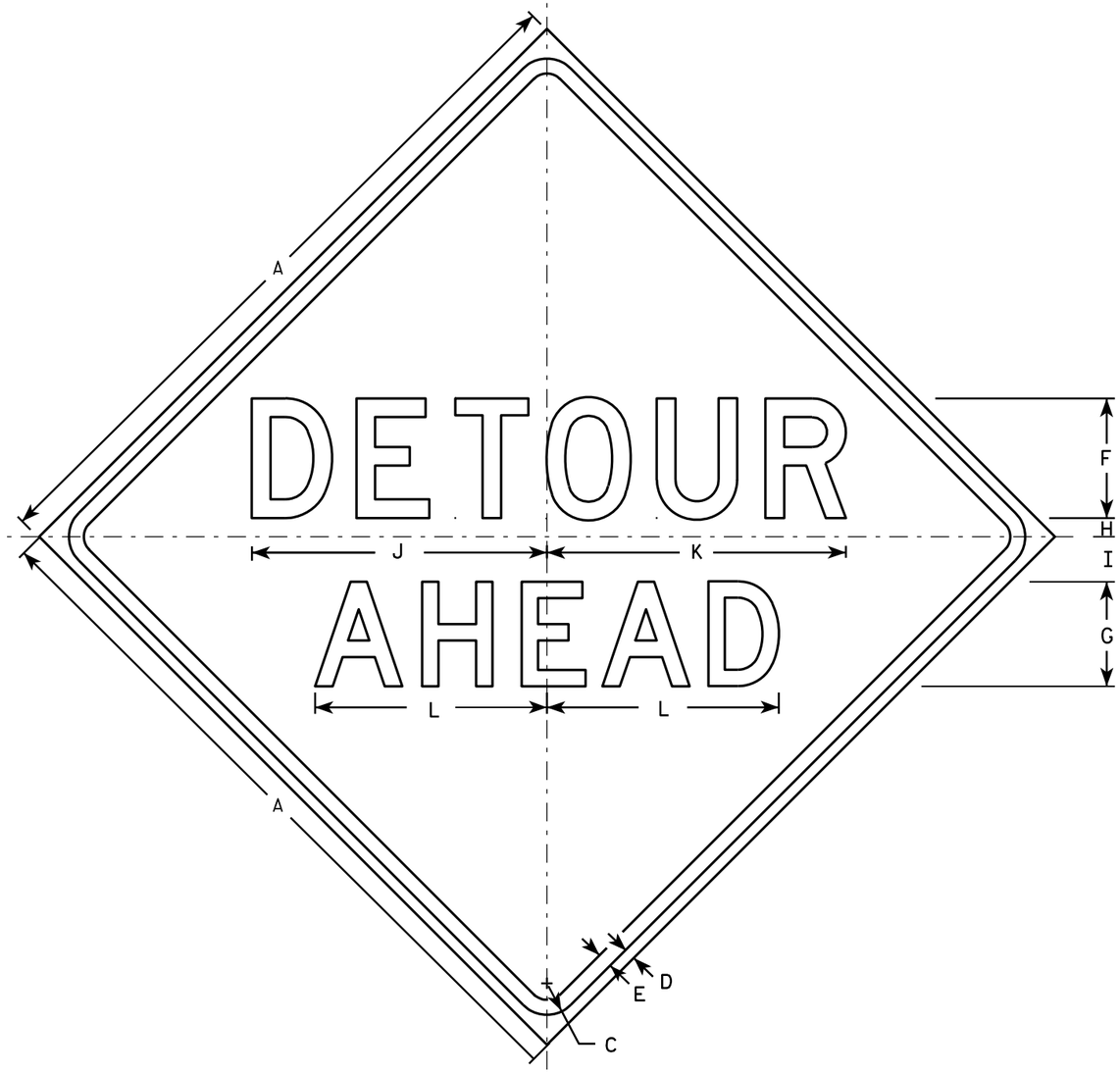
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/07/15 PLATE NO. W20-1.10

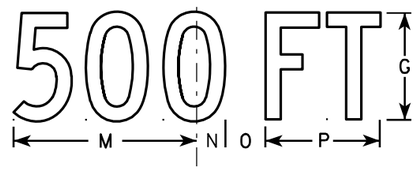
PROJECT NO:

SHEET NO: E

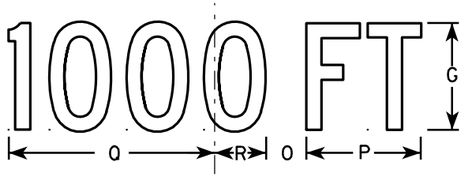
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W201.DGN PLOT DATE : 01-DEC-2015 18:24 PLOT BY : $$ plotuser $$



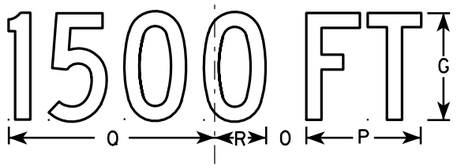
W20-2A



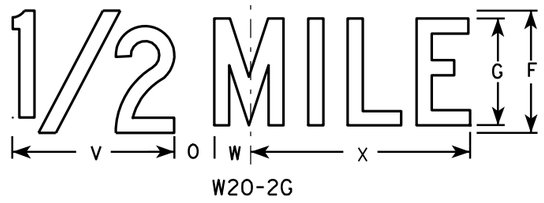
W20-2D



W20-2C



W20-2B



W20-2G



W20-2F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D.
   Line 2 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	6	5	1	2 1/4	14 3/4	15	11 5/8	9	1 3/8	1 7/8	5 5/8	10 1/8	2 1/2	1 1/8	4 1/2	3 1/2	8	1 3/4	10 3/4			9.0
2S	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
2M	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
3	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
4	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0
5	48		2 1/4	3/4	1	8	7	1 1/4	3	19 3/4	20	15 1/2	12	1 7/8	2 5/8	7 1/2	13 1/2	3 3/8	1 1/2	6	4 5/8	10 5/8	2 3/8	14 3/8			16.0

STANDARD SIGN
W20-2A,B,C,D,F & G

WISCONSIN DEPT OF TRANSPORTATION

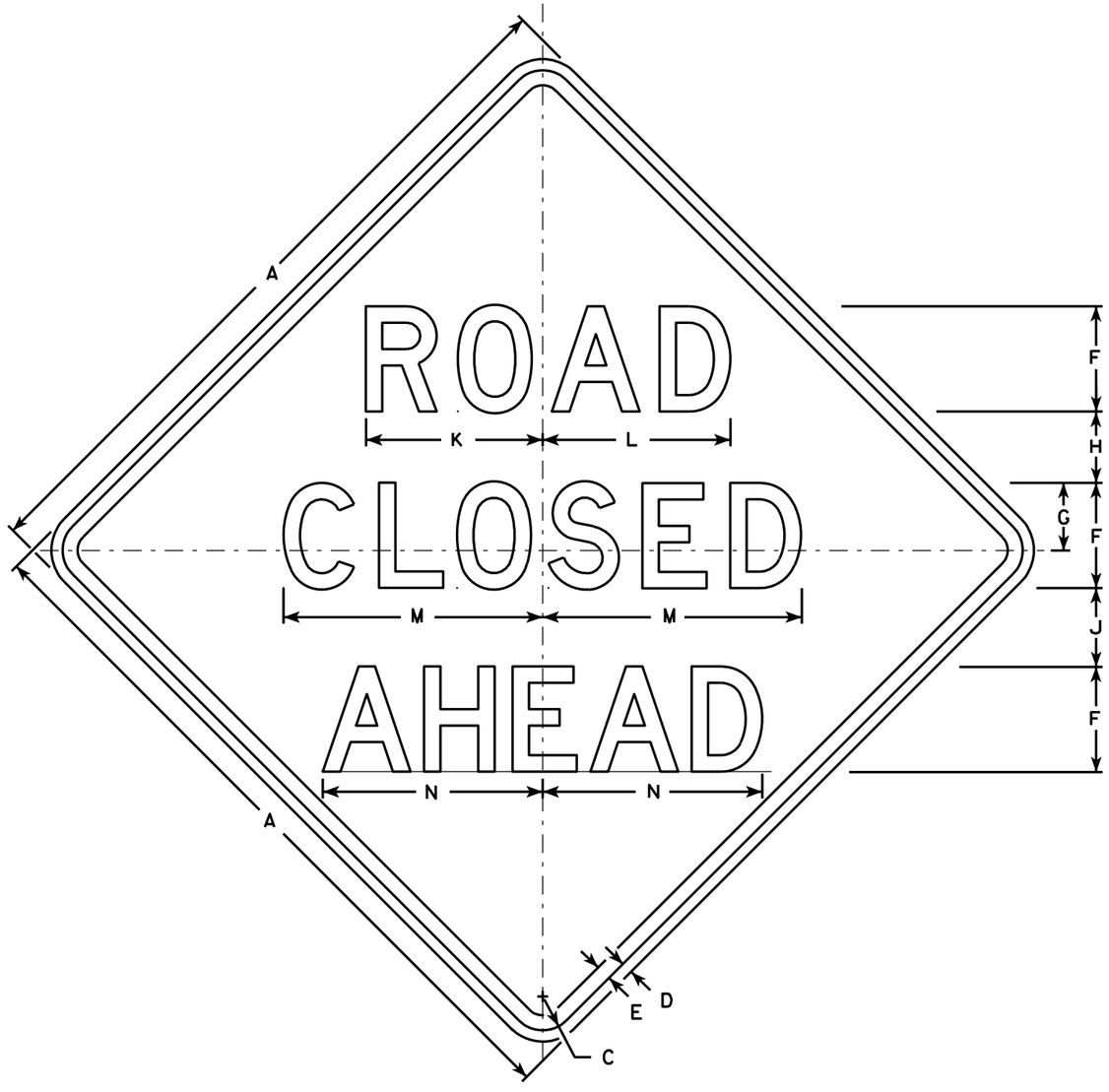
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-2.6

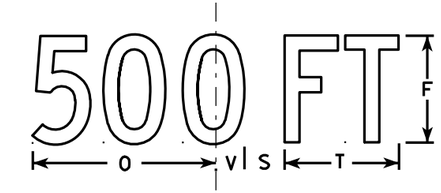
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 713 | E

7

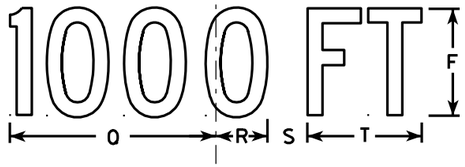
FILE NAME : C:\Users\PROJECTS\tr_stdplate\W202.DGN PLOT DATE : 18-MAR-2011 10:00 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000
WISDOT/CADDS SHEET 42



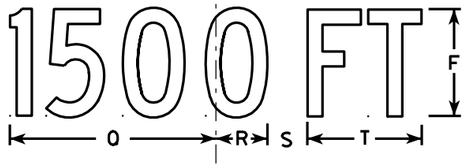
W20-3A



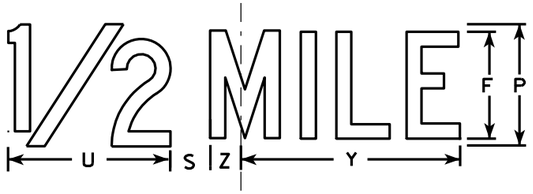
W20-3D



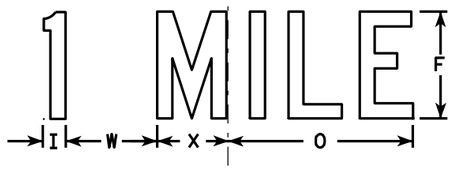
W20-3C



W20-3B



W20-3G



W20-3F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - see note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Lines 1 and 2 are Series D.
   Line 3 is Series D for AHEAD and Series C for all other distances.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5	3 3/8	3 1/2	1 1/8	4	8 3/8	8 7/8	12 1/2	11	9	6	10 1/8	2 1/2	1 7/8	5 5/8	8	1 3/8	4 1/2	3 1/2	10 3/4	1 3/4	9.0
2S	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
2M	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
3	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
4	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0
5	48		2 1/4	3/4	1	7	4 1/2	4 3/4	1 1/2	5 1/4	11 3/4	12 1/2	17 1/4	14 5/8	12	8	13 1/2	3 3/8	2 5/8	7 1/2	10 5/8	1 7/8	6	4 5/8	14 3/8	2 3/8	16.0

STANDARD SIGN
W20-3A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer
DATE 3/18/11 PLATE NO. W20-3.7

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 714 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W203.DGN PLOT DATE : 18-MAR-2011 12:08 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 9.931739:1.000000

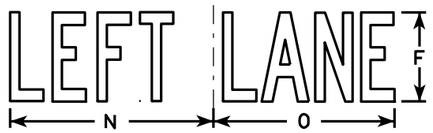
WISDOT/CADDS SHEET 42

7

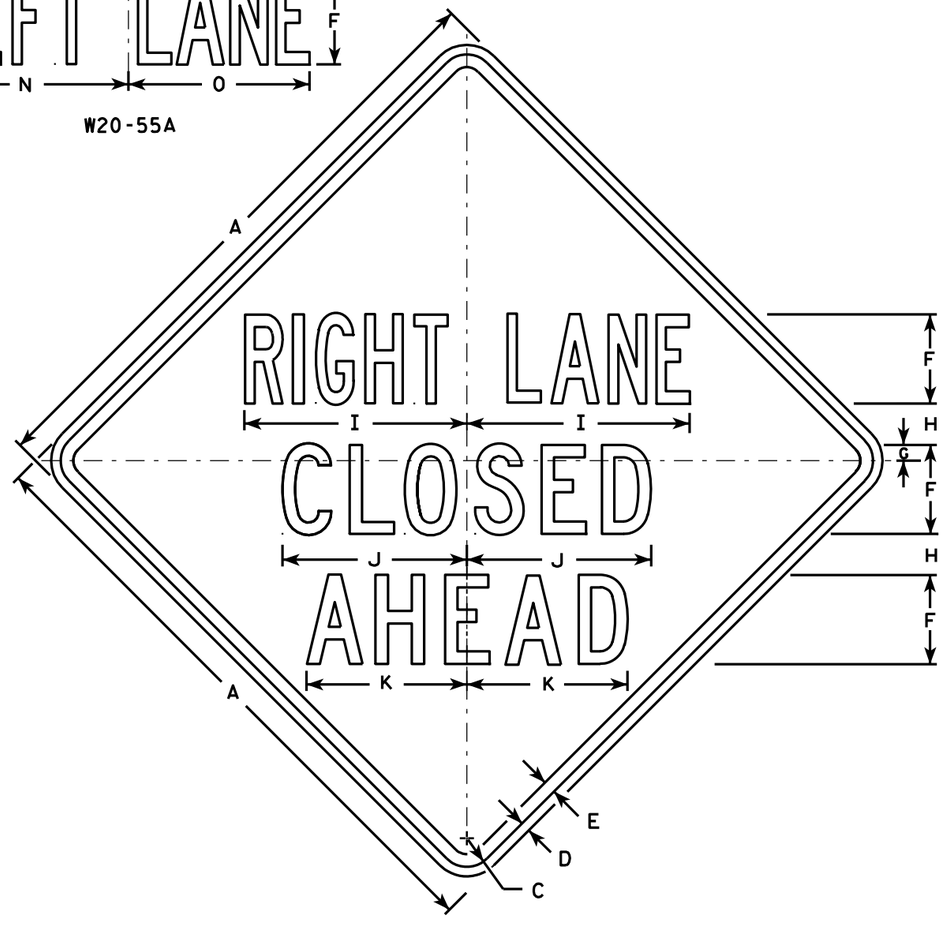
7



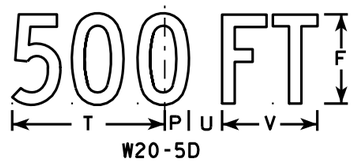
W20-56A



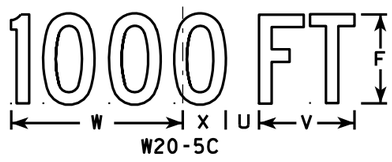
W20-55A



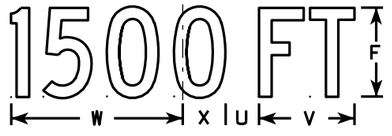
W20-5A



W20-5D



W20-5C



W20-5B



W20-5G



W20-5F

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - See Note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. " _____ LANE" is Series B.
   All other copy is Series C.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36	6	1 5/8	5/8	3/4	5	1/8	2 1/2	13 1/8	10 3/4	9 1/2	14 1/4	13 5/8	12	12	1 3/8	1 1/8	4 1/2	3 1/2	9	1 1/8	5 5/8	10 1/8	2 1/2	1 3/4	8	9.0
2S	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
2M	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
3	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
4	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0
5	48	8	2 1/4	3/4	1	7	1 1/4	3 1/4	17 1/2	14 3/8	12 5/8	19	18 3/8	16	14 1/4	1 7/8	1 1/2	6	4 5/8	12	2 5/8	7 1/2	13 1/2	3 3/8	2 3/8	10 5/8	16.0

STANDARD SIGN
W20-5A, B, C, D, F & G

WISCONSIN DEPT OF TRANSPORTATION

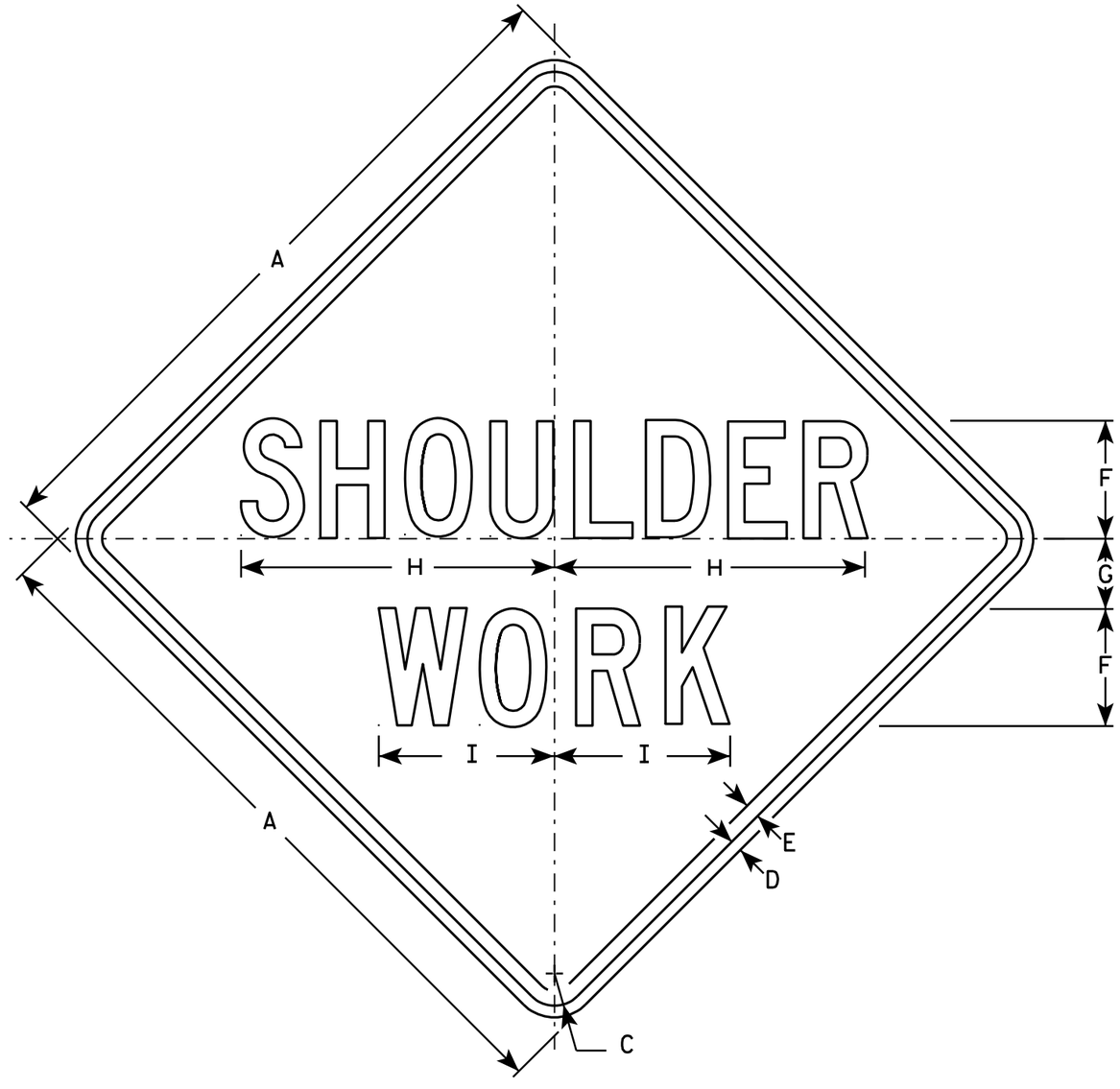
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 715	E

7

FILE NAME : C:\Users\PROJECTS\tr_stdplate\W205.DGN PLOT DATE : 18-MAR-2011 12:15 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 11.918087:1.000000
WISDOT/CADDS SHEET 42



W21-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
4	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0
5	48		2 1/4	3/4	1	8	5	21 3/8	11 1/4																		16.0

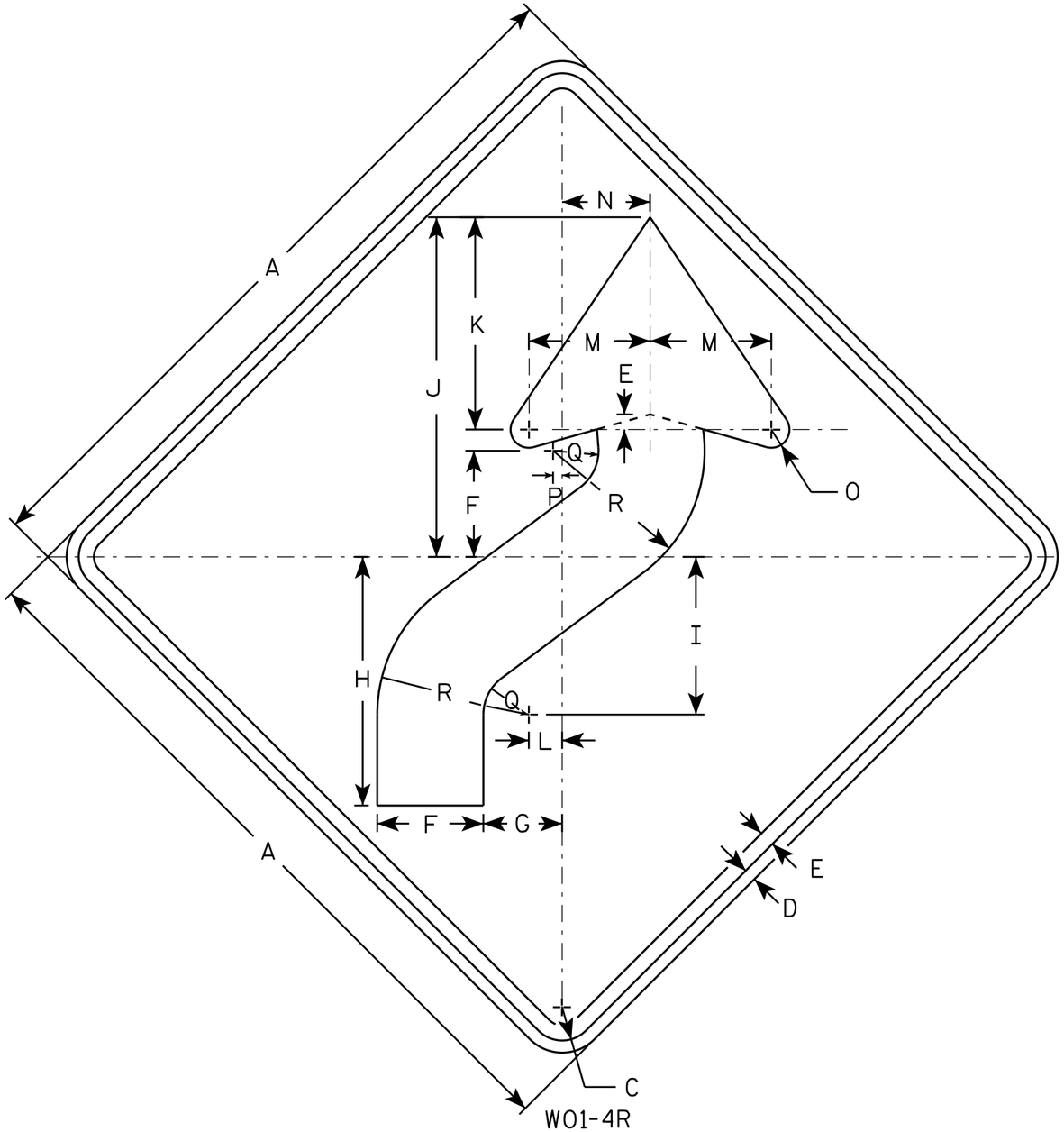
STANDARD SIGN
W21-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/21/11 PLATE NO. W21-5.5

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 716	E



W01-4R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4L is the same as W01-4R except the arrow is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	5 1/4	4	12 3/8	7 7/8	16 7/8	10 1/2	1 5/8	6	4 1/2	1	1/2	2 1/4	7 1/2									9.0
2S	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
2M	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
3	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
4	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0
5	48		2 1/4	3/4	1	7	5 1/4	16 1/2	10 1/2	22 1/2	14	2 1/4	8	6	1 1/4	5/8	3	10									16.0

STANDARD SIGN
W01-4

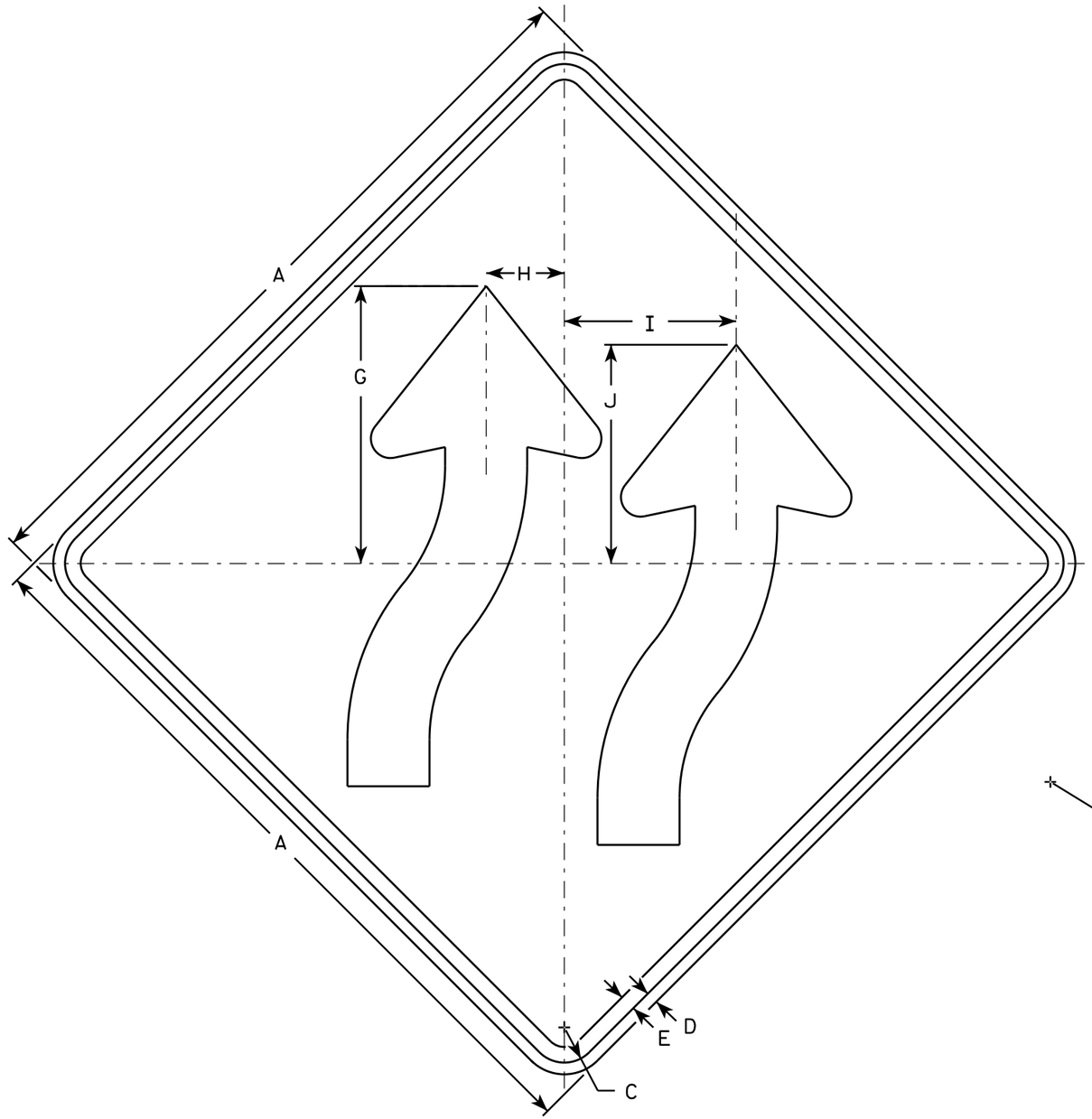
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

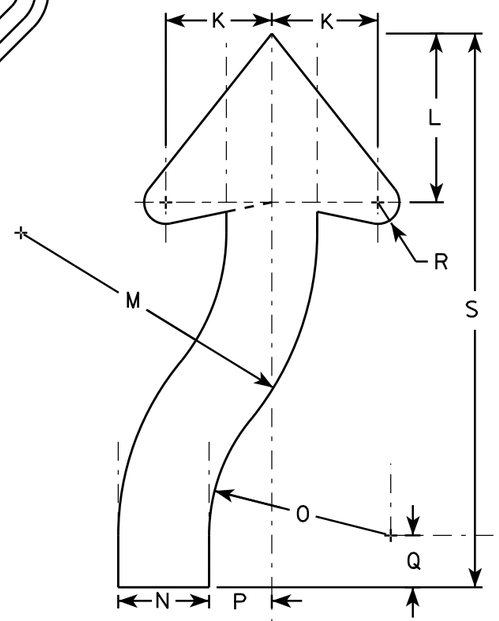
DATE 11/18/13 PLATE NO W01-4.1

717

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-4bR



NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W01-4bL is the same as W014-bR exept arrows are reversed along the vertical centerline

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4		13 3/8	3 3/4	8 1/4	10 1/2	4 5/8	7 3/8	12 7/8	3 7/8	7 7/8	2 3/4	2 1/4	7/8	24								9.0
2S	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
2M	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
3	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
4	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0
5	48		2 1/4	3/4	1		17 3/4	5	11	14	6 1/8	9 3/4	17 1/8	5 1/4	10 1/2	3 5/8	3	1 1/4	32								16.0

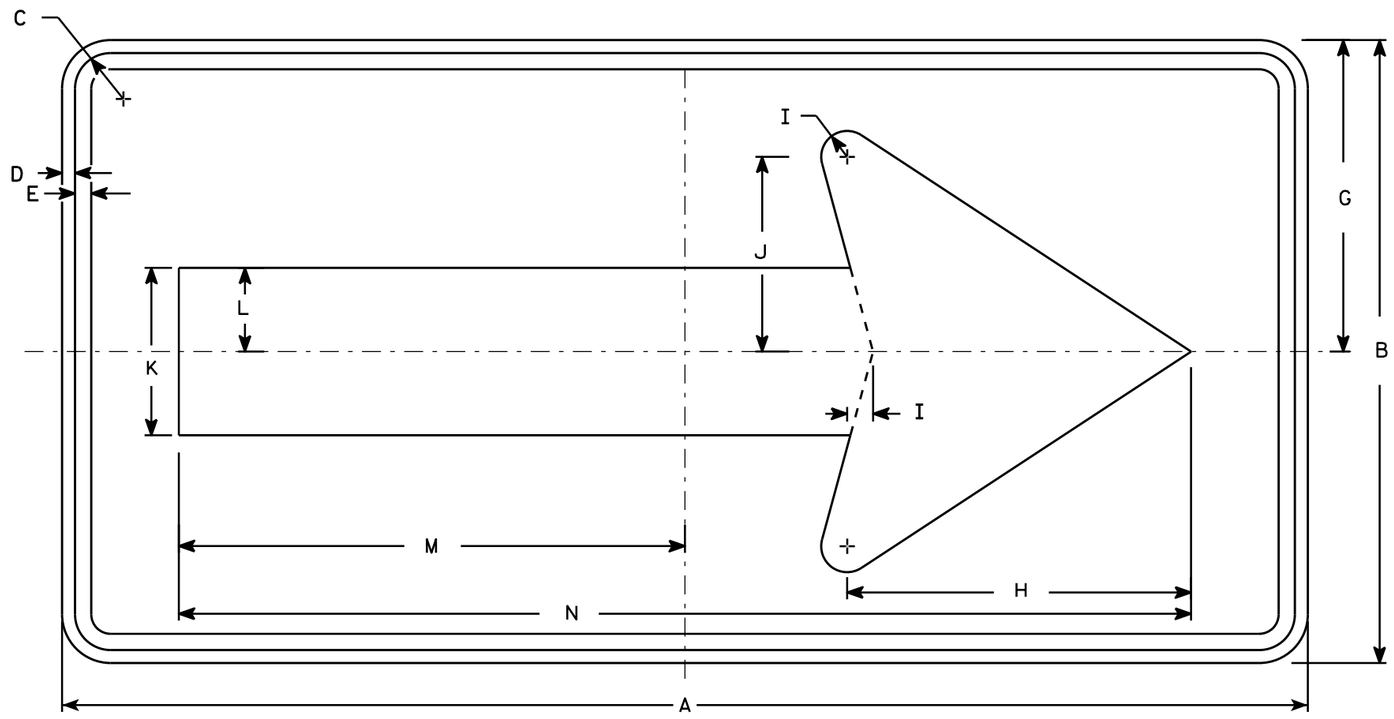
STANDARD SIGN
W01-4b

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-4b.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



W01-6

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
2M	48	24	1 3/8	1/2	5/8		12	13 1/4	1	7 1/2	6 1/2	3 1/4	19 1/2	39													8.0
3	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
4	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5
5	60	30	1 3/8	1/2	5/8		15	16 1/4	1 1/4	9 1/4	8	4	24 3/8	48 3/4													12.5

STANDARD SIGN
W01-6

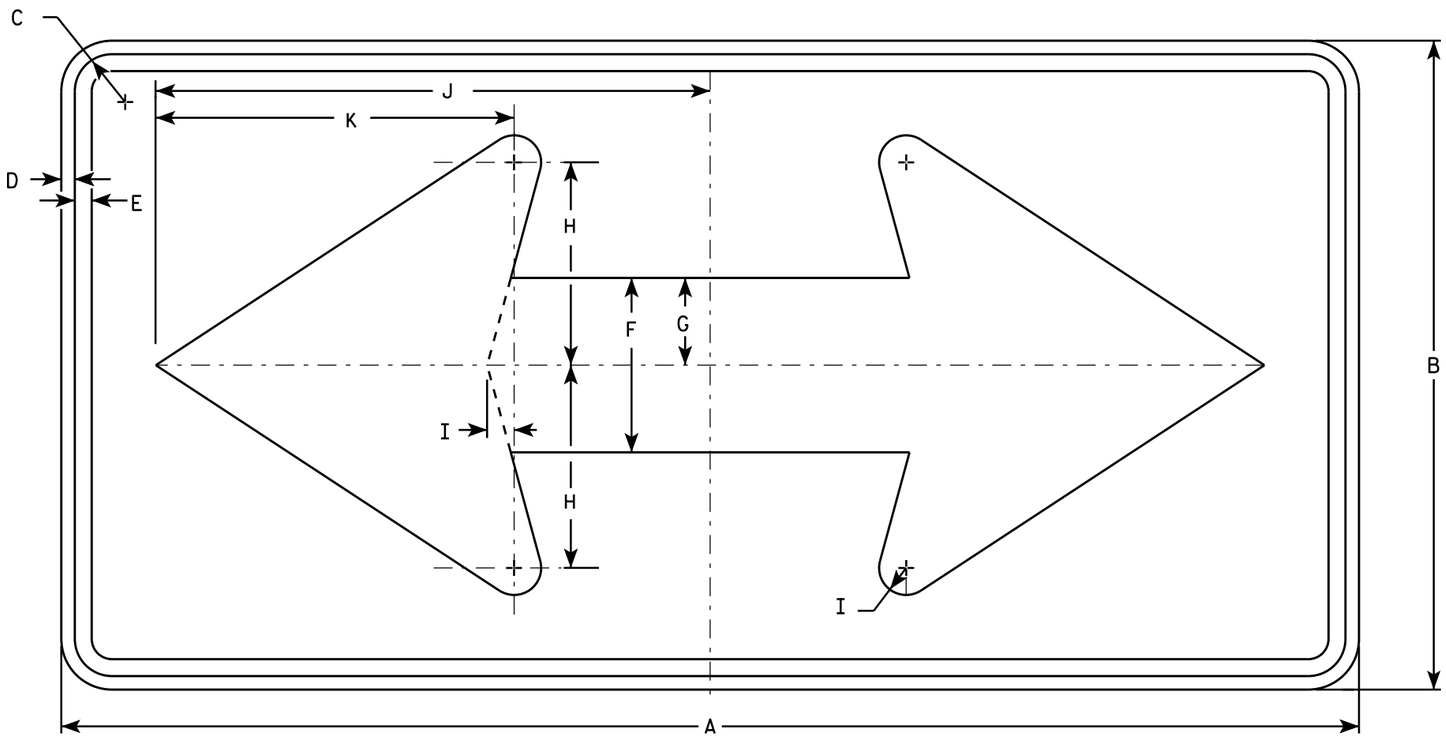
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE NO. W01-6.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\W016.DGN PLOT DATE : 28-FEB-2014 11:37 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 5.837526:1.000000 WISDOT/CADDS SHEET 42



W01-7

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
2M	48	24	1 3/8	1/2	5/8	6 1/2	3 1/4	7 1/2	1	20 1/2	13 1/4																8.0
3	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
4	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5
5	60	30	1 3/8	1/2	5/8	8	4	9 1/4	1 1/4	25 3/8	16 1/4																12.5

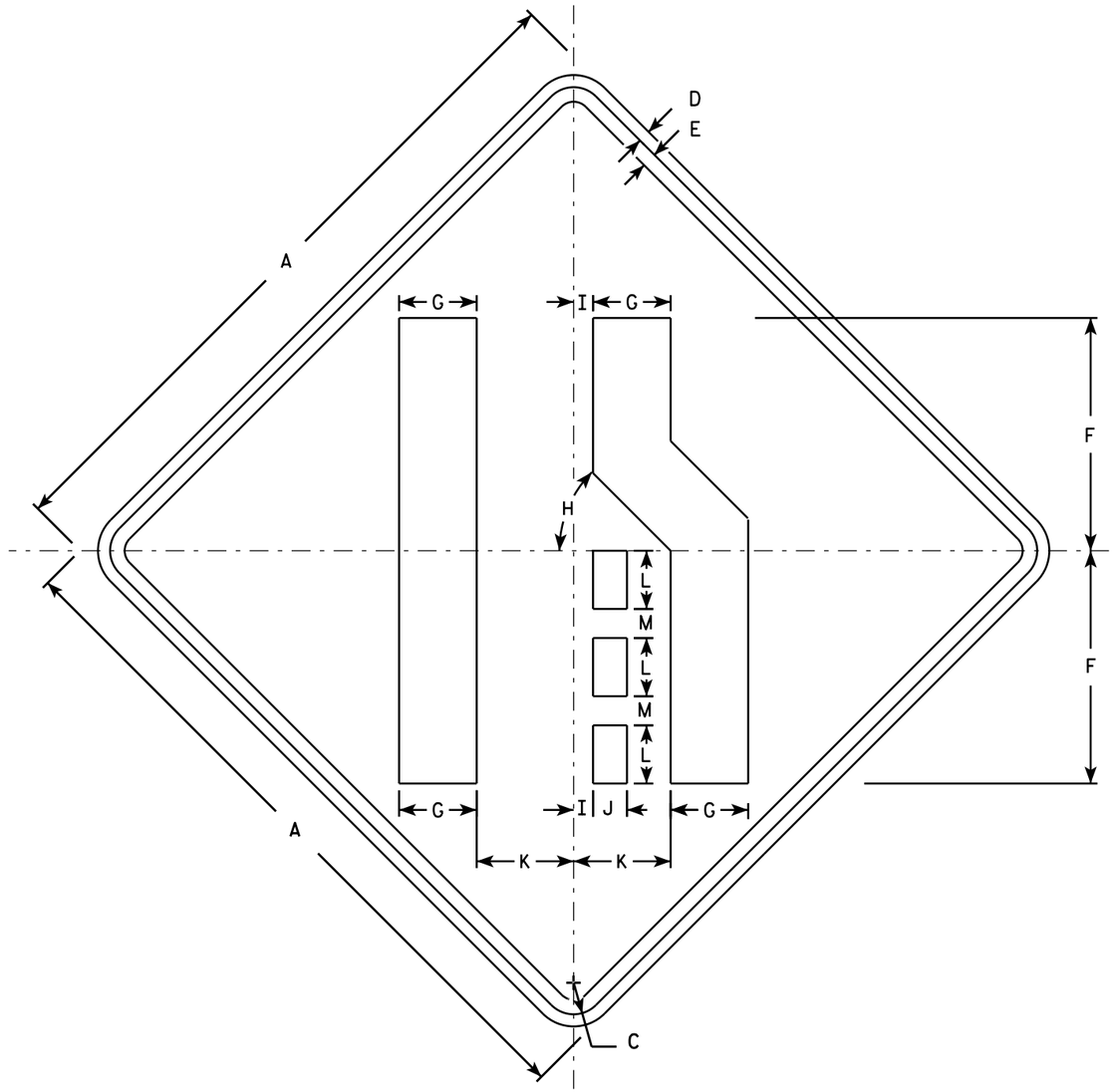
STANDARD SIGN
W01-7

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/18/13 PLATE 1720 W01-7.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



W04-2R

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. W04-2L is the same as W04-2R except the symbol is reversed along the vertical centerline.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	36		1 5/8	5/8	3/4	12	4	45°	1	1 3/4	5	3	1 1/2														9.0
2S	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
2M	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
3	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
4	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0
5	48		2 1/4	3/4	1	16	5 3/8	45°	1 1/4	2 3/8	6 3/4	4	2														16.0

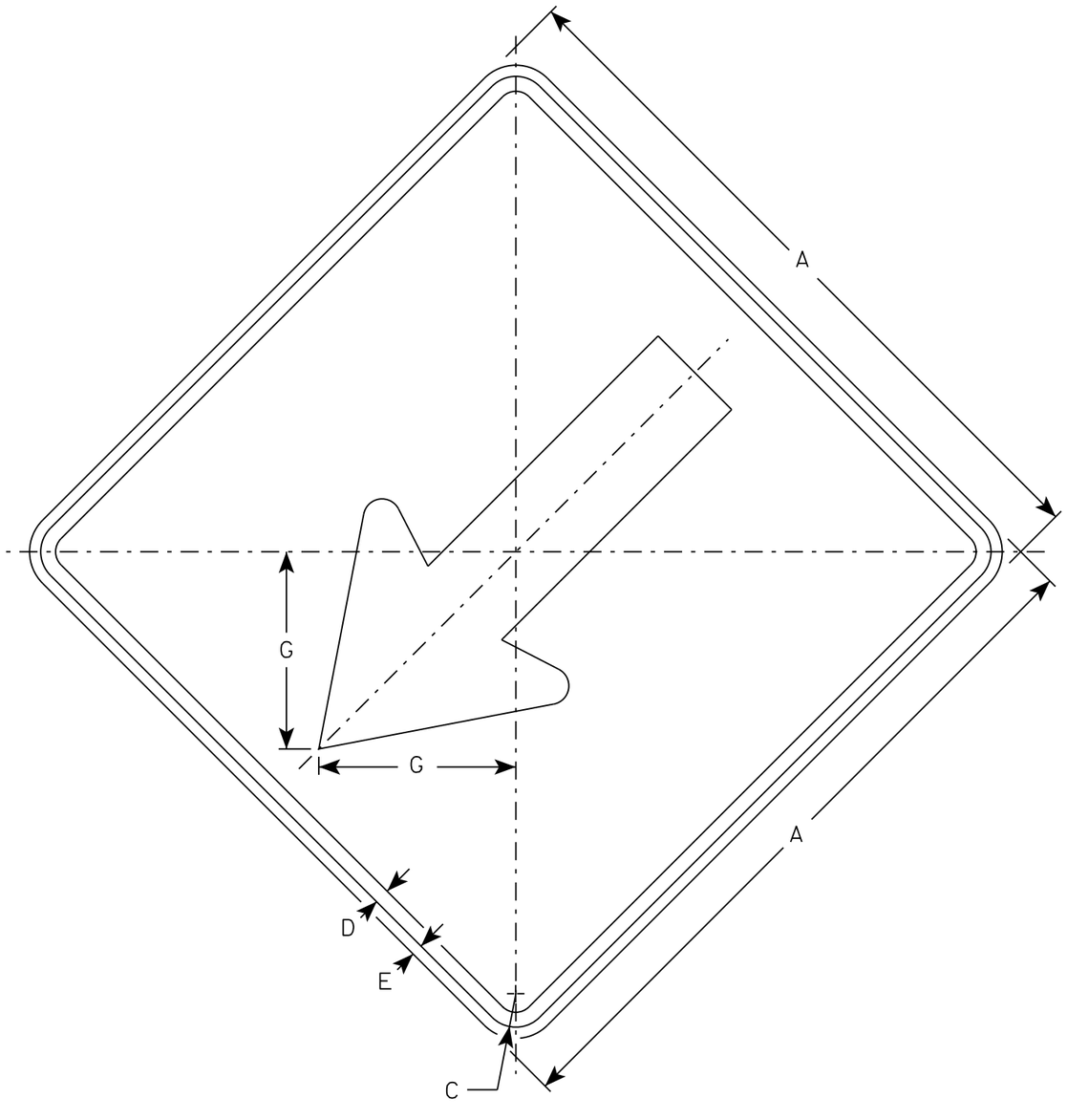
STANDARD SIGN
W04-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/20/13 PLATE 721 W04-2.1

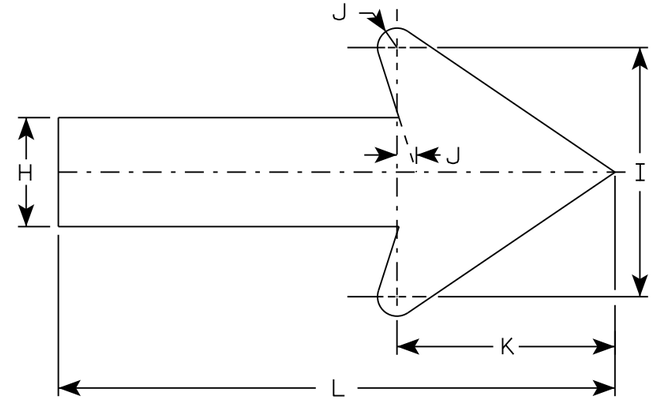
PROJECT NO: | SHEET NO: E



WO12-1

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
2S	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
2M	24		1 1/8	1/2	3/8		6 5/8	3 1/2	8	5/8	7	18															4
3	30		1 3/8	5/8	1/2		8 1/4	4 3/8	10	3/4	8 3/4	22 3/8															6.25
4	36		1 3/4	3/4	5/8		10 3/8	5 1/2	12 1/2	1	11	27 7/8															9.0
5	36		1 3/4	3/4	5/8		10 3/8	5 1/2	12 1/2	1	11	27 7/8															9.0

STANDARD SIGN
WO12-1

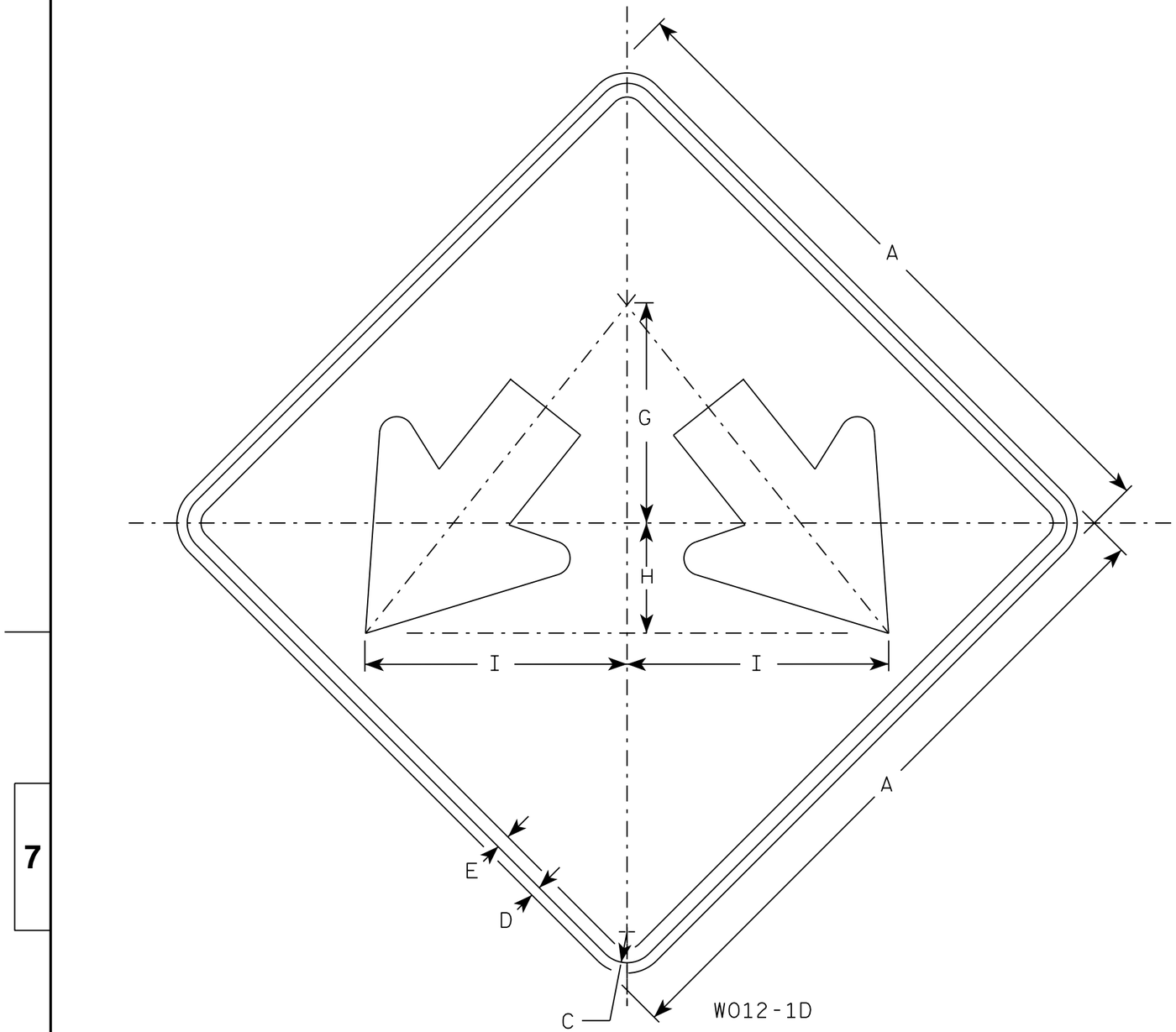
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/26/16 PLA 722 WO12-1.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E

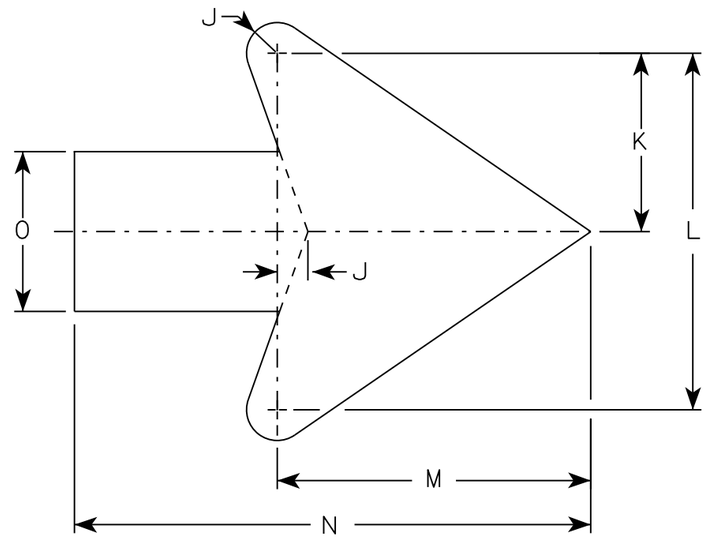
FILE NAME : C:\CAEfiles\Projects\tr_stdplate\WO121.DGN PLOT DATE : 11-AUG-2016 11:29 PLOT BY : ** plotuser ** PLOT NAME : PLOT SCALE : 4.864607:1.000000



W012-1D

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 1/2	9	7 7/8	13	4												6.25
4	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0
5	36		1 3/8	1/2	5/8		12	6	14 1/4	1	5 1/2	10 7/8	9 5/8	15 3/4	4 3/4												9.0

STANDARD SIGN
W012-1D

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/28/16 PLATE NO W012-1D.2

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CADfiles\Projects\tr_stdplate\W0121D.DGN PLOT DATE : 11-AUG-2016 11:28 PLOT BY : $$ plotuser $$ PLOT NAME : PLOT SCALE : 4.621375:1.000000

PROJECT ID 1320-23-71
DIVISION 1 - CTH H

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
909+40	AH	0.00	198	0	0	0	0	0	0
909+50		9.70	211	0	73	0	73	0	73
910+00		50.00	256	6	433	6	506	6	501
910+50		50.00	342	12	554	17	1061	23	1038
911+00		50.00	285	8	581	18	1642	41	1601
911+50		50.00	283	9	526	16	2168	57	2111
912+00		50.00	298	8	538	16	2707	73	2633
912+50		50.00	352	4	603	11	3309	85	3225
912+86		36.43	340	2	467	4	3777	89	3688
913+00		13.57	378	2	180	1	3957	90	3867
913+50		50.00	368	3	691	5	4648	95	4554
914+00		50.00	294	0	613	3	5262	98	5164
914+17		16.86	350	0	201	0	5463	98	5365
914+50		33.14	232	0	357	0	5820	98	5722
915+00		50.00	205	110	405	102	6225	200	6025
915+50		50.00	187	112	363	206	6588	405	6182
916+00		50.00	153	34	315	135	6902	541	6362
916+50		50.00	134	30	265	59	7168	600	6568
917+00		50.00	106	3	222	31	7390	631	6759
917+50		50.00	223	52	305	51	7695	682	7013
918+00		50.00	80	53	281	97	7976	779	7197
918+50		50.00	100	62	167	107	8143	886	7257
919+00		50.00	126	33	209	88	8352	974	7378
919+50		50.00	163	19	268	48	8619	1021	7598
920+00		50.00	194	12	331	29	8950	1050	7900
920+50		50.00	205	8	369	18	9319	1068	8251
921+00		50.00	213	14	387	20	9706	1088	8618
921+50		50.00	218	0	399	13	10106	1101	9004
921+61		10.54	229	0	87	0	10193	1102	9091
922+00		39.46	216	1	325	1	10518	1102	9415
922+50		50.00	50	0	246	1	10764	1103	9661
923+00		50.00	39	0	83	0	10846	1103	9743
923+50		50.00	32	0	66	0	10912	1103	9809
924+00		50.00	23	0	50	0	10962	1103	9859
924+50		50.00	7	0	27	0	10990	1103	9887
925+00		50.00	4	0	10	0	11000	1103	9896
925+50		50.00	9	0	12	0	11012	1103	9909
926+00		50.00	5	0	13	0	11025	1103	9922
926+40	BK	40.00	0	3	4	3	11029	1106	9923
					11,029	1,106			

PROJECT ID 1320-23-71
DIVISION 1 - CTH H

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
927+34	AH	0.00	0	0	0	0	0	0	0
927+50		15.90	0	4	0	1	0	1	-1
928+00		50.00	0	4	0	7	0	8	-8
928+50		50.00	0	10	0	12	0	20	-20
929+00		50.00	0	14	0	22	0	42	-42
929+50		50.00	0	12	0	24	0	66	-66
930+00		50.00	0	8	0	19	0	85	-85
930+50		50.00	0	40	0	44	0	129	-129
931+00		50.00	0	20	0	56	0	184	-184
931+50		50.00	0	20	0	37	0	222	-222
932+00		50.00	0	14	0	31	0	253	-253
932+50		50.00	0	6	0	18	0	271	-271
933+00		50.00	0	2	0	8	0	278	-278
933+50		50.00	8	0	7	2	7	281	-273
934+00		50.00	12	0	18	0	26	281	-255
934+50		50.00	11	0	22	0	47	281	-233
935+00		50.00	10	0	19	0	67	281	-214
935+50		50.00	0	4	9	3	76	284	-208
936+00		50.00	0	5	0	9	76	293	-217
936+50		50.00	0	2	0	7	76	300	-224
937+00		50.00	0	4	0	6	76	306	-230
937+50		50.00	0	1	1	5	77	310	-233
938+00		50.00	5	3	5	4	82	314	-232
938+50		50.00	4	3	9	5	91	319	-228
939+00		50.00	3	0	7	2	97	321	-224
939+50		50.00	1	1	4	1	102	322	-220
940+00		50.00	3	0	4	1	106	323	-217
940+50		50.00	4	0	7	0	113	323	-210
941+00		50.00	6	0	9	0	122	323	-201
941+50		50.00	9	0	13	0	135	323	-188
942+00		50.00	0	10	8	9	143	332	-189
942+50		50.00	3	1	3	10	146	343	-196
943+00		50.00	0	6	3	6	149	349	-200
943+50		50.00	0	9	0	14	149	363	-214
944+00	BK	50.00	0	14	0	22	149	384	-235
					149	384			

PROJECT ID 1320-23-71
DIVISION 1 - STH 11

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
234+00	AH	0.00	328	74	0	0	0	0	0
234+50		49.60	324	83	599	145	599	145	455
235+00		50.00	291	84	570	155	1169	299	870
235+50		50.00	324	74	570	146	1739	445	1294
236+00		50.00	322	68	598	132	2337	576	1761
236+50		50.00	272	69	550	127	2887	704	2183
237+00		50.00	245	92	478	150	3365	853	2512
237+50		50.00	234	115	443	192	3809	1046	2763
238+00		50.00	227	150	427	245	4236	1291	2945
238+50		50.00	284	158	473	285	4709	1576	3133
239+00		50.00	200	9	448	155	5157	1731	3427
239+50		50.00	224	0	393	8	5550	1739	3811
240+00		50.00	226	0	416	0	5966	1739	4228
240+50	BK	50.00	218	0	411	0	6378	1739	4639
					6,378	1,739			

PROJECT ID 1320-23-71
DIVISION 1 - STH 11 - TEMPORARY

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
240+21	AH	0.00	130	0	0	0	0	0	0
240+50		29.00	54	18	98	10	98	10	89
241+00		50.00	71	5	116	22	214	32	183
241+50		50.00	143	0	199	5	413	36	377
242+00		50.00	164	0	284	0	697	36	661
242+50		50.00	188	0	326	0	1023	36	987
243+00		50.00	211	0	370	0	1393	36	1357
243+50		50.00	169	0	352	0	1745	36	1709
244+00		50.00	87	0	237	0	1982	36	1946
244+50		50.00	46	0	123	0	2105	36	2069
244+61	BK	10.68	39	0	17	0	2122	36	2085
					2,122	36			

PROJECT ID 1320-23-71

DIVISION 2 - CTH H

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
894+50	AH	0.00	201	35	0	0	0	0	0
895+00		50.00	213	11	384	43	384	43	341
895+25		25.39	309	0	246	5	629	48	582
895+50		24.61	333	1	293	1	922	48	874
896+00		50.00	341	4	624	5	1547	54	1493
896+24		23.84	323	0	293	2	1840	56	1784
896+50		26.16	330	6	316	3	2156	59	2098
897+00		50.00	292	8	576	13	2732	71	2661
897+50		50.00	306	10	554	16	3286	88	3198
898+00		50.00	325	6	584	15	3870	102	3768
898+50		50.00	334	0	610	5	4480	108	4372
899+00		50.00	331	0	615	0	5095	108	4987
899+50		50.00	358	0	637	0	5732	108	5624
899+56		5.66	351	0	74	0	5806	108	5699
900+00		44.34	263	2	504	2	6310	109	6201
900+50		50.00	197	21	426	21	6737	130	6607
901+00		50.00	512	0	656	19	7393	149	7244
901+50		50.00	121	63	586	58	7979	207	7772
902+00		50.00	72	142	179	190	8158	397	7761
902+50		50.00	73	116	135	239	8293	636	7658
903+00		50.00	43	276	108	363	8401	999	7403
903+50		50.00	39	351	76	580	8478	1579	6899
904+00		50.00	30	502	64	790	8542	2369	6173
904+50		50.00	17	483	44	912	8586	3281	5305
905+00		50.00	9	501	24	911	8610	4191	4419
905+50		50.00	12	458	19	888	8629	5079	3550
906+00		50.00	28	447	37	838	8667	5917	2750
906+50		50.00	40	421	63	803	8730	6720	2010
907+00		50.00	55	418	89	777	8819	7497	1322
907+50		50.00	86	453	131	807	8950	8303	647
908+00		50.00	123	0	194	419	9144	8723	421
908+42	BK	42.00	176	0	232	0	9376	8723	653
					9,376	8,723			

PROJECT ID 1320-23-71

DIVISION 2 - UNFI DRIVEWAY

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
2+25	AH	0.00	94	5	0	0	0	0	0
2+50		25.00	95	5	87	4	87	4	83
2+75		25.00	104	4	92	4	180	8	171
3+00		25.00	110	0	99	2	279	10	269
3+25		25.00	120	0	107	0	385	10	376
3+50		25.00	153	0	127	0	512	10	502
3+75		25.00	199	0	163	0	675	10	665
3+89	BK	14.38	331	0	141	0	816	10	806
					816	10			

PROJECT ID 1320-23-71
DIVISION 3 - STH 11

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
240+50	AH	0.00	218	0	0	0	0	0	0
241+00		50.00	218	155	404	144	404	144	260
241+50		50.00	234	31	418	172	822	316	507
242+00		50.00	172	40	376	66	1199	381	817
242+50		50.00	136	53	285	87	1484	468	1016
243+00		50.00	106	60	223	104	1707	572	1135
243+50		50.00	70	81	162	130	1869	702	1167
244+00		50.00	106	56	162	127	2031	829	1202
244+50		50.00	134	47	222	95	2254	925	1329
245+00		50.00	194	23	304	65	2558	989	1569
245+50		50.00	342	12	497	33	3055	1022	2033
246+00		50.00	500	3	780	14	3835	1036	2799
246+50		50.00	617	1	1034	4	4869	1040	3829
247+00		50.00	629	3	1154	3	6023	1043	4979
247+50		50.00	620	7	1157	9	7179	1052	6127
248+00		50.00	627	0	1155	7	8334	1059	7275
248+50		50.00	521	24	1063	22	9397	1081	8316
249+00		50.00	416	28	868	48	10265	1129	9136
249+50		50.00	303	30	666	54	10931	1183	9747
250+00		50.00	248	32	510	58	11441	1241	10200
250+50		50.00	246	24	458	52	11898	1293	10606
251+00		50.00	311	4	516	26	12414	1319	11095
251+50		50.00	331	0	594	4	13009	1322	11686
252+00		50.00	259	11	547	10	13555	1332	12223
252+50		50.00	213	2	438	11	13993	1343	12650
253+00		50.00	164	20	349	20	14342	1363	12979
253+50		50.00	167	14	306	31	14648	1395	13254
254+00		50.00	173	3	315	15	14964	1410	13554
254+15		15.36	180	2	100	1	15064	1411	13653
254+50		34.64	156	8	215	6	15279	1418	13862
254+75		24.99	179	0	155	4	15435	1421	14013
255+00		25.01	47	0	105	0	15539	1421	14118
255+50		50.00	34	0	75	0	15615	1421	14193
256+00		50.00	3	10	35	9	15649	1430	14219
256+50		50.00	5	14	7	22	15656	1452	14204
257+00		50.00	19	3	21	15	15678	1467	14210
257+50		50.00	15	11	31	12	15708	1480	14228
258+00		50.00	0	28	13	36	15722	1516	14206
258+50		50.00	0	18	0	43	15722	1559	14163
259+00		50.00	0	7	0	23	15722	1582	14140
259+50		50.00	5	0	4	7	15727	1589	14138
260+00		50.00	22	0	24	0	15751	1589	14162
260+50		50.00	20	0	39	0	15790	1589	14201
260+93	BK	42.70	22	0	34	0	15823	1589	14234
					15,823	1,589			

PROJECT ID 1320-23-71

DIVISION 3 - STH 11 TEMPORARY

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
250+38	AH	0.00	159	10	0	0	0	0	0
250+50		12.00	160	6	71	3	71	3	67
251+00		50.00	162	0	297	5	368	9	360
251+50		50.00	214	0	348	0	716	9	708
252+00		50.00	218	0	400	0	1116	9	1108
252+50		50.00	172	0	361	0	1478	9	1469
253+00		50.00	86	0	238	0	1716	9	1708
253+50		50.00	97	0	169	0	1885	9	1877
254+00		50.00	111	0	193	0	2078	9	2069
254+15		15.36	118	0	65	0	2143	9	2134
254+50		34.64	102	0	141	0	2284	9	2275
255+00		50.00	132	0	217	0	2500	9	2492
255+50		50.00	91	0	207	0	2707	9	2699
256+00		50.00	34	0	116	0	2823	9	2814
256+04	BK	3.55	30	0	4	0	2827	9	2819
					2,827	9			

PROJECT ID 1320-23-71

DIVISION 4 - CTH H

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
888+00	AH	0.00	322	7	0	0	0	0	0
888+44		43.98	308	0	513	6	513	6	507
888+50		6.02	306	0	68	0	582	6	576
889+00		50.00	269	6	533	5	1114	11	1103
889+50		50.00	211	20	445	24	1559	35	1524
889+66		16.02	196	15	121	10	1679	45	1634
890+00		33.98	223	28	263	27	1942	72	1870
890+27		26.75	306	28	262	28	2204	100	2104
890+50		23.25	204	45	220	31	2424	131	2293
891+00		50.00	146	34	325	73	2748	204	2544
891+50		50.00	153	18	277	48	3025	253	2773
892+00		50.00	170	8	299	24	3324	277	3047
892+50		50.00	182	8	326	15	3650	292	3358
892+65		14.69	192	7	102	4	3752	296	3456
893+00		35.31	179	9	243	10	3995	306	3689
893+50		50.00	200	14	351	21	4345	326	4019
893+76		26.42	222	7	207	10	4552	337	4215
894+00		23.58	241	7	202	6	4754	343	4411
894+50	BK	50.00	201	35	409	39	5163	382	4780
					5,163	382			

PROJECT ID 1320-23-74

DIVISION 1 - STH 11 SIDEWALK

STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
263+17	AH	26317.20	0.00	7	0	0	0	0	0	0
263+50		26350.00	32.80	12	4	12	2	12	2	9
264+00		26400.00	50.00	6	7	17	11	28	13	16
264+50		26450.00	50.00	6	15	11	21	40	34	6
265+00		26500.00	50.00	4	31	10	42	49	76	-26
265+40		26540.26	40.26	19	44	17	55	67	131	-64
265+50		26550.00	9.74	19	34	7	14	74	145	-71
266+00		26600.00	50.00	16	3	33	34	106	179	-73
266+50		26650.00	50.00	19	4	32	7	138	186	-48
267+00		26700.00	50.00	32	3	47	6	185	192	-7
267+22		26722.27	22.27	42	5	30	3	215	195	20
267+50		26750.00	27.73	13	12	28	9	244	204	39
268+00		26800.00	50.00	21	56	32	63	275	267	8
268+18		26818.31	18.31	22	47	15	35	290	302	-12
268+50		26850.00	31.69	3	39	15	50	305	352	-48
269+00		26900.00	50.00	3	18	6	53	311	405	-94
269+50		26950.00	50.00	3	12	6	28	318	433	-115
270+00		27000.00	50.00	5	10	8	21	325	454	-128
270+50		27050.00	50.00	5	17	9	25	334	479	-145
271+00		27100.00	50.00	7	12	11	27	345	506	-161
271+50		27150.00	50.00	11	7	16	17	361	523	-161
272+00		27200.00	50.00	6	10	16	15	377	538	-161
272+50		27250.00	50.00	5	15	11	23	388	561	-173
273+00		27300.00	50.00	6	12	11	25	398	585	-187
273+50		27350.00	50.00	11	12	17	22	415	607	-192
274+00		27400.00	50.00	28	5	37	16	452	623	-171
274+40	BK	27440.00	40.00	1	4	22	7	474	629	-156
						474	629			

PROJECT ID 1320-23-74

DIVISION 1 - WILLOW ROAD SIDEWALK

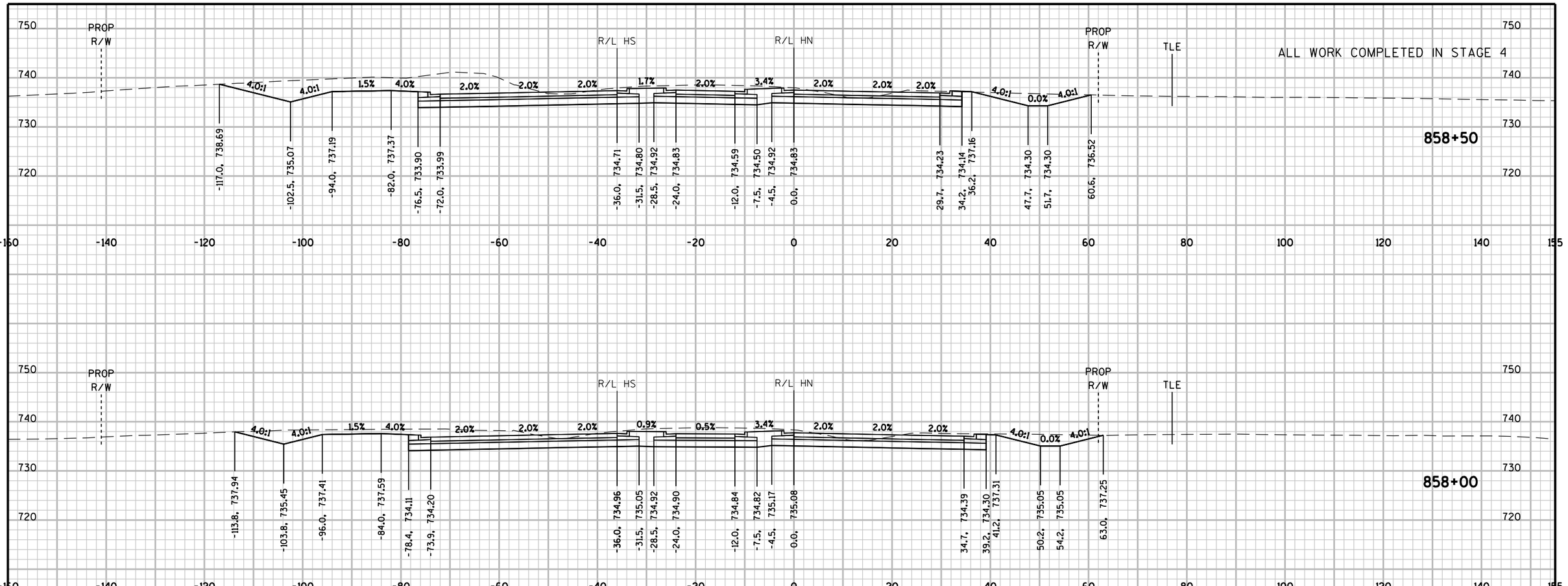
STATION		Real Station	Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
97+43	AH	9742.90	0.00	5	0	0	0	0	0	0
97+50		9750.00	7.10	3	2	1	0	1	0	1
98+00		9800.00	50.00	5	0	7	2	8	2	6
98+50		9850.00	50.00	6	0	10	0	18	2	15
99+00		9900.00	50.00	14	0	18	0	36	2	33
99+25	BK	9925.00	25.00	7	0	9	0	45	3	43
						45	3			

PROJECT ID 3760-00-71
DIVISION 4 - CTH H

STATION	Distance	AREA (SF)		Incremental Vol (CY) (Unadjusted)		Cumulative Vol (CY)		Mass Ordinate
		Cut	Fill	Cut	Fill	Cut	Fill	
857+68 AH	0.00	409	5	0	0	0	0	0
858+00	31.90	424	0	492	3	492	3	489
858+50	50.00	513	0	868	0	1360	3	1356
859+00	50.00	425	2	869	2	2229	6	2223
859+50	50.00	322	8	692	9	2921	15	2906
860+00	50.00	248	20	529	25	3450	40	3409
860+50	50.00	197	30	412	46	3862	86	3776
861+00	50.00	166	38	336	62	4198	149	4049
861+50	50.00	195	39	334	71	4532	220	4312
862+00	50.00	125	75	296	106	4828	325	4503
862+50	50.00	145	77	249	141	5078	466	4612
863+00	50.00	130	117	254	180	5332	646	4686
863+50	50.00	97	218	210	310	5542	956	4586
864+00	50.00	58	367	144	541	5686	1497	4189
864+50	50.00	25	530	77	831	5763	2328	3435
865+00	50.00	20	572	41	1021	5805	3349	2456
865+50	50.00	28	605	44	1090	5849	4439	1410
865+80	30.06	42	585	39	663	5888	5102	786
866+00	19.94	55	514	36	406	5924	5508	416
866+50	50.00	50	445	97	888	6021	6396	-375
867+00	50.00	62	370	104	755	6124	7151	-1026
867+50	50.00	100	238	150	563	6274	7713	-1439
868+00	50.00	150	215	231	419	6505	8133	-1627
868+50	50.00	241	82	362	275	6867	8407	-1540
869+00	50.00	294	38	496	110	7363	8518	-1155
869+50	50.00	347	15	593	49	7956	8567	-610
870+00	50.00	338	14	634	27	8591	8594	-3
870+50	50.00	374	3	660	15	9250	8609	641
870+63	13.48	424	0	199	1	9450	8610	840
871+00	36.52	488	0	617	0	10066	8610	1457
871+30	29.64	522	0	554	0	10621	8610	2011
871+50	20.36	518	0	392	0	11013	8610	2403
872+00	50.00	543	11	983	10	11996	8619	3376
872+50	50.00	311	17	791	26	12786	8645	4141
873+00	50.00	142	120	419	127	13205	8772	4433
873+50	50.00	124	269	246	360	13451	9132	4319
874+00	50.00	125	295	230	523	13682	9655	4027
874+50	50.00	150	246	254	501	13936	10157	3779
874+91	41.35	198	173	266	321	14202	10478	3724
875+00	8.65	242	155	71	53	14272	10530	3742
875+50	50.00	286	45	489	185	14762	10715	4046
876+00	50.00	350	24	589	64	15351	10779	4572
876+50	50.00	262	43	566	63	15918	10842	5075
877+00	50.00	146	129	377	160	16295	11002	5293

PROJECT ID 3760-00-71
DIVISION 4 - CTH H, CONT.

STATION		Distance	AREA (SF) Cut	AREA (SF) Fill	Incremental Vol (CY) (Unadjusted) Cut	Incremental Vol (CY) (Unadjusted) Fill	Cumulative Vol (CY) Cut	Cumulative Vol (CY) Fill	Mass Ordinate
877+50		50.00	103	200	231	305	16526	11307	5219
878+00		50.00	123	264	209	430	16735	11737	4998
878+50		50.00	118	198	223	428	16958	12165	4794
879+00		50.00	161	124	258	298	17216	12463	4754
879+37		36.69	163	54	220	121	17437	12584	4853
879+50		13.31	211	65	92	30	17529	12614	4915
880+00		50.00	282	12	456	71	17985	12685	5300
880+13		12.69	259	4	127	4	18112	12689	5423
880+50		37.31	332	5	409	6	18521	12694	5826
881+00		50.00	352	3	633	7	19154	12701	6452
881+29		28.71	328	0	361	1	19515	12703	6812
881+50		21.29	317	3	254	1	19769	12704	7065
882+00		50.00	277	5	550	7	20319	12711	7607
882+50		50.00	223	8	463	12	20782	12723	8059
883+00		50.00	200	1	392	8	21174	12731	8443
883+50		50.00	213	20	382	19	21557	12750	8807
884+00		50.00	164	59	349	74	21905	12824	9081
884+50		50.00	148	51	288	103	22194	12926	9267
884+75		24.64	147	41	134	42	22328	12969	9359
885+00		25.36	137	48	133	42	22461	13011	9451
885+50		50.00	147	46	264	88	22725	13098	9626
886+00		50.00	163	41	288	81	23013	13179	9833
886+50		50.00	185	25	323	60	23335	13240	10096
887+00		50.00	216	16	371	38	23706	13277	10429
887+50		50.00	254	10	434	24	24140	13301	10839
888+00	BK	50.00	322	7	533	16	24673	13317	11356
					24,673	13,317			



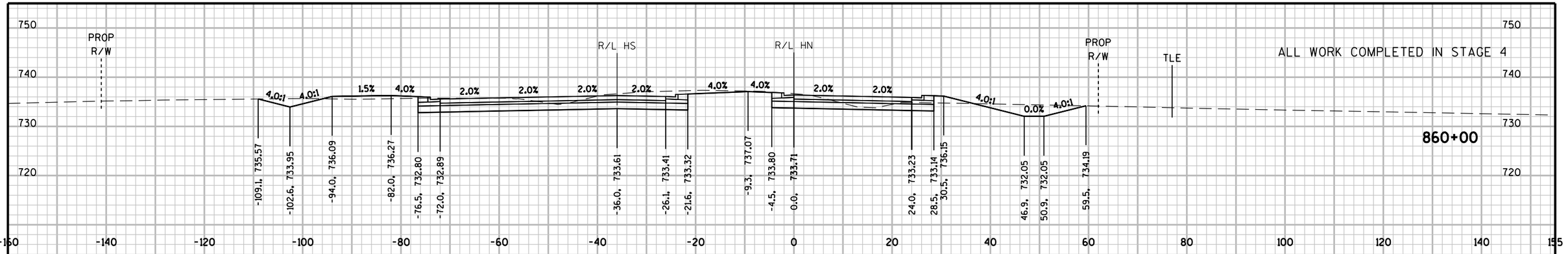
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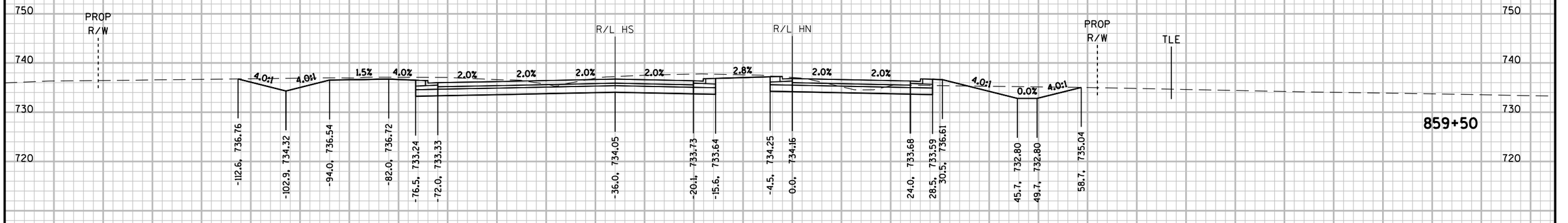
STA 857+68 TO 858+50

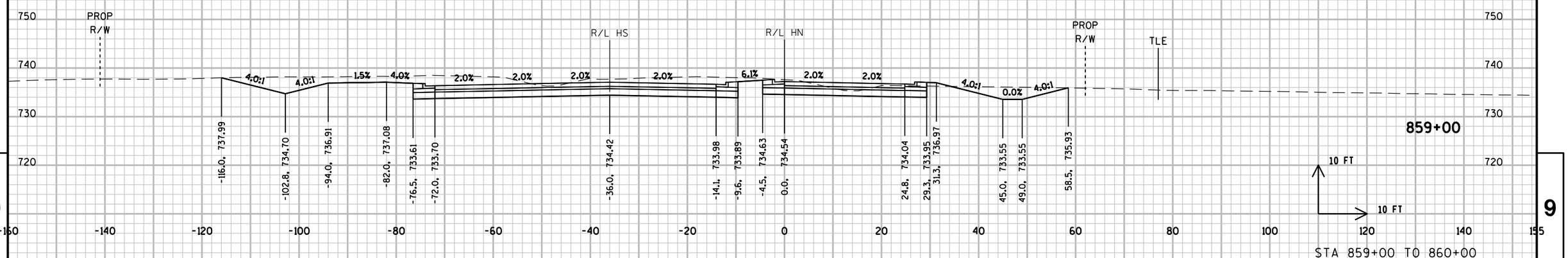
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 736	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 18 Dec 2019 08:00:03 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21







STA 859+00 TO 860+00

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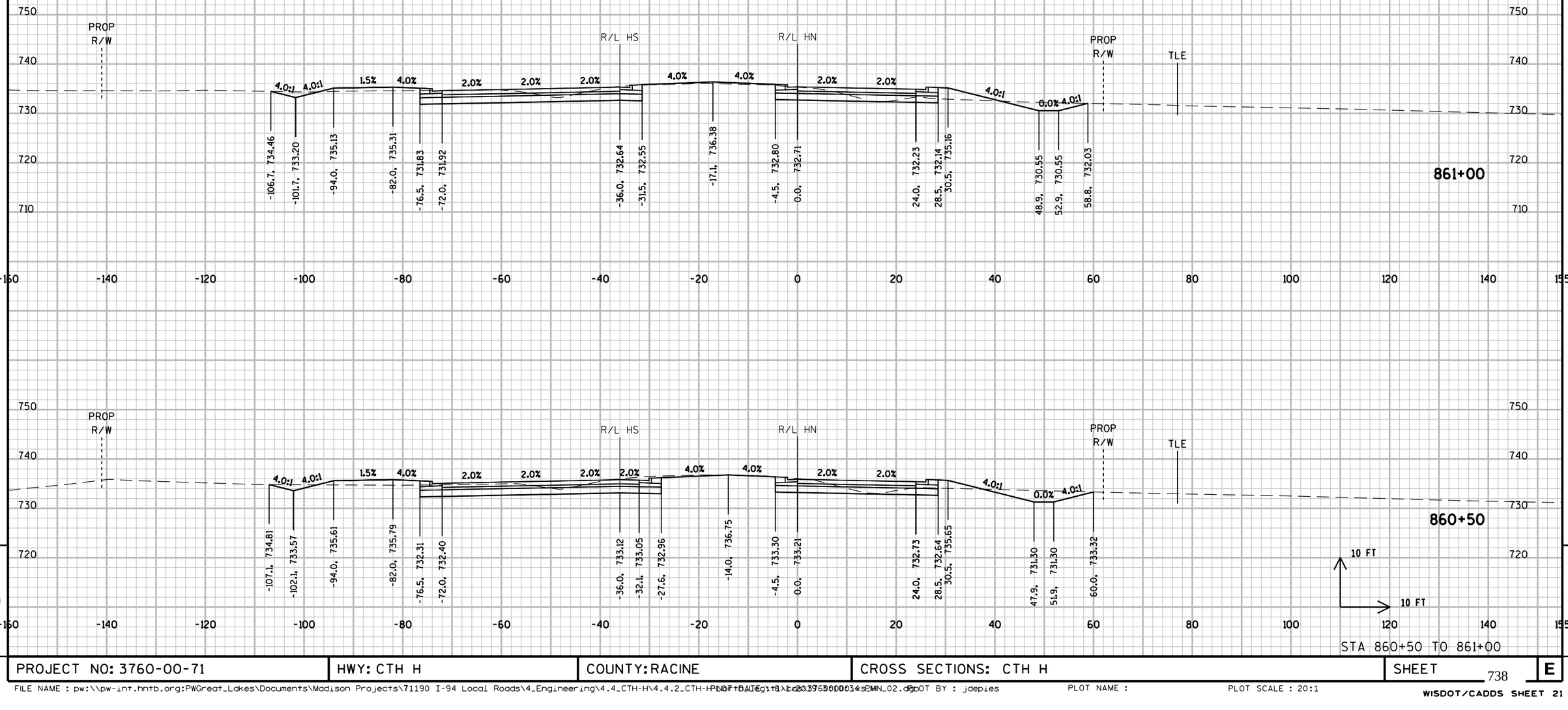
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PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 737	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 4



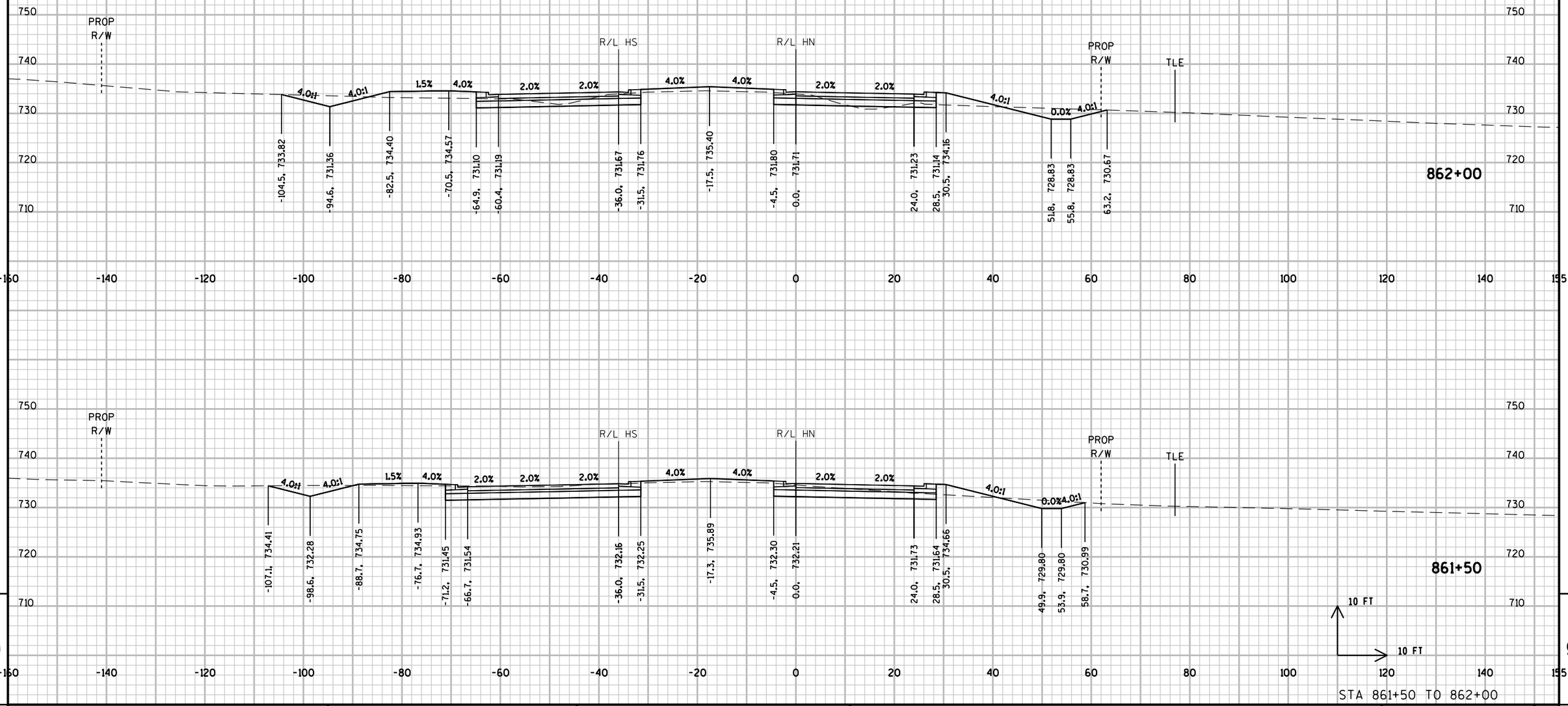
STA 860+50 TO 861+00

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 738	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 4



STA 861+50 TO 862+00

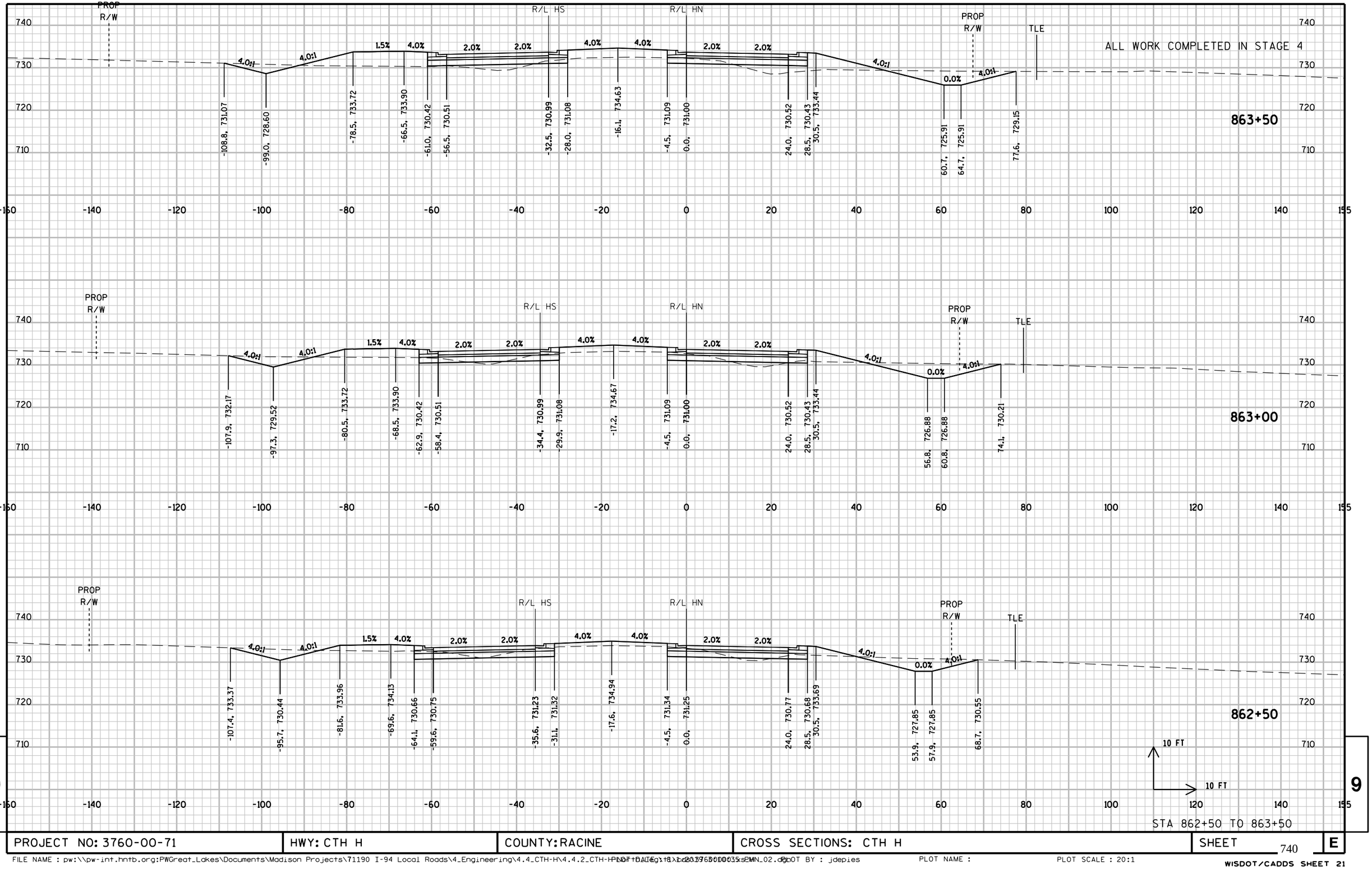
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PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 739	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 1/22/2026 10:00:03 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

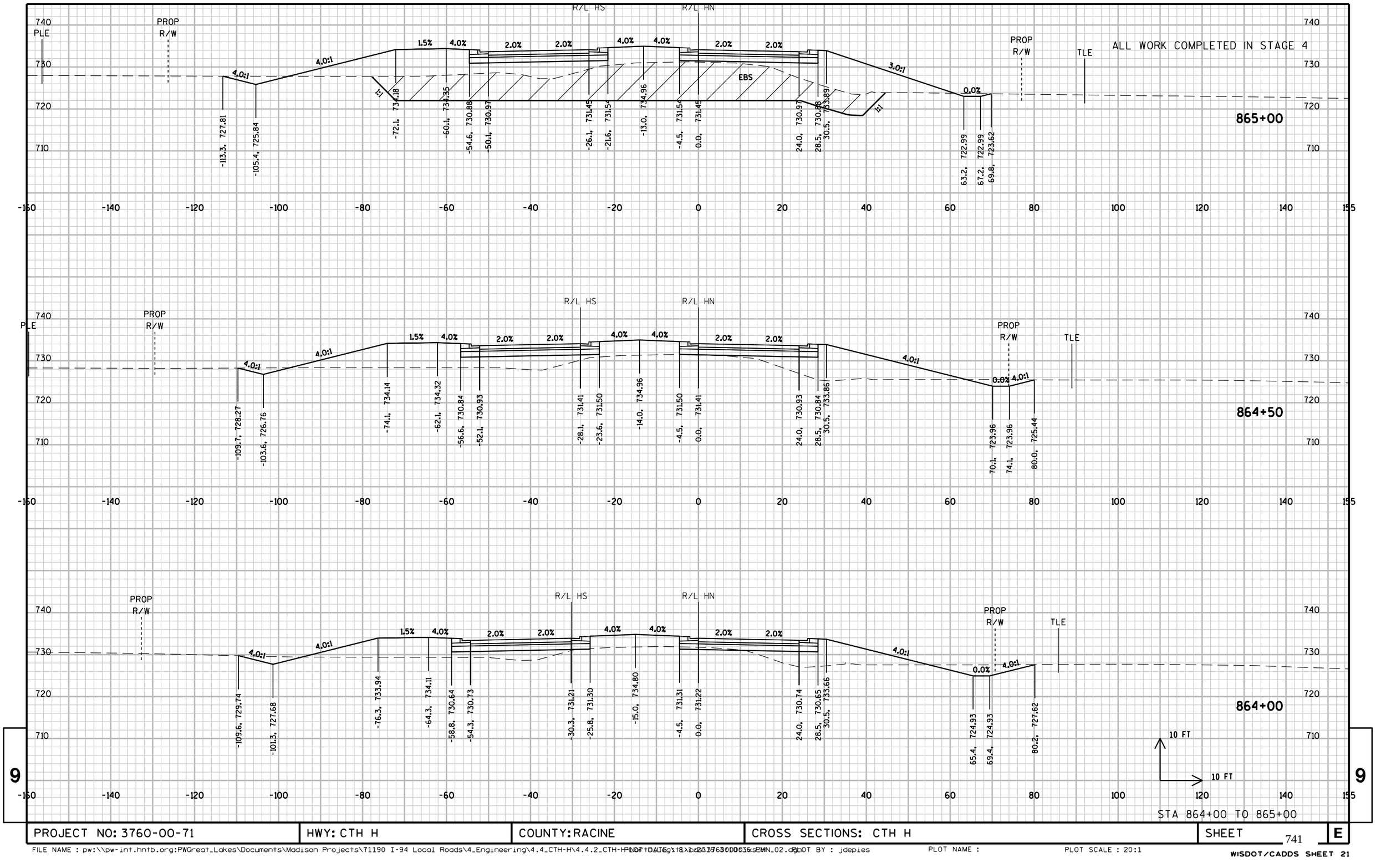
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STA 862+50 TO 863+50

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 740	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

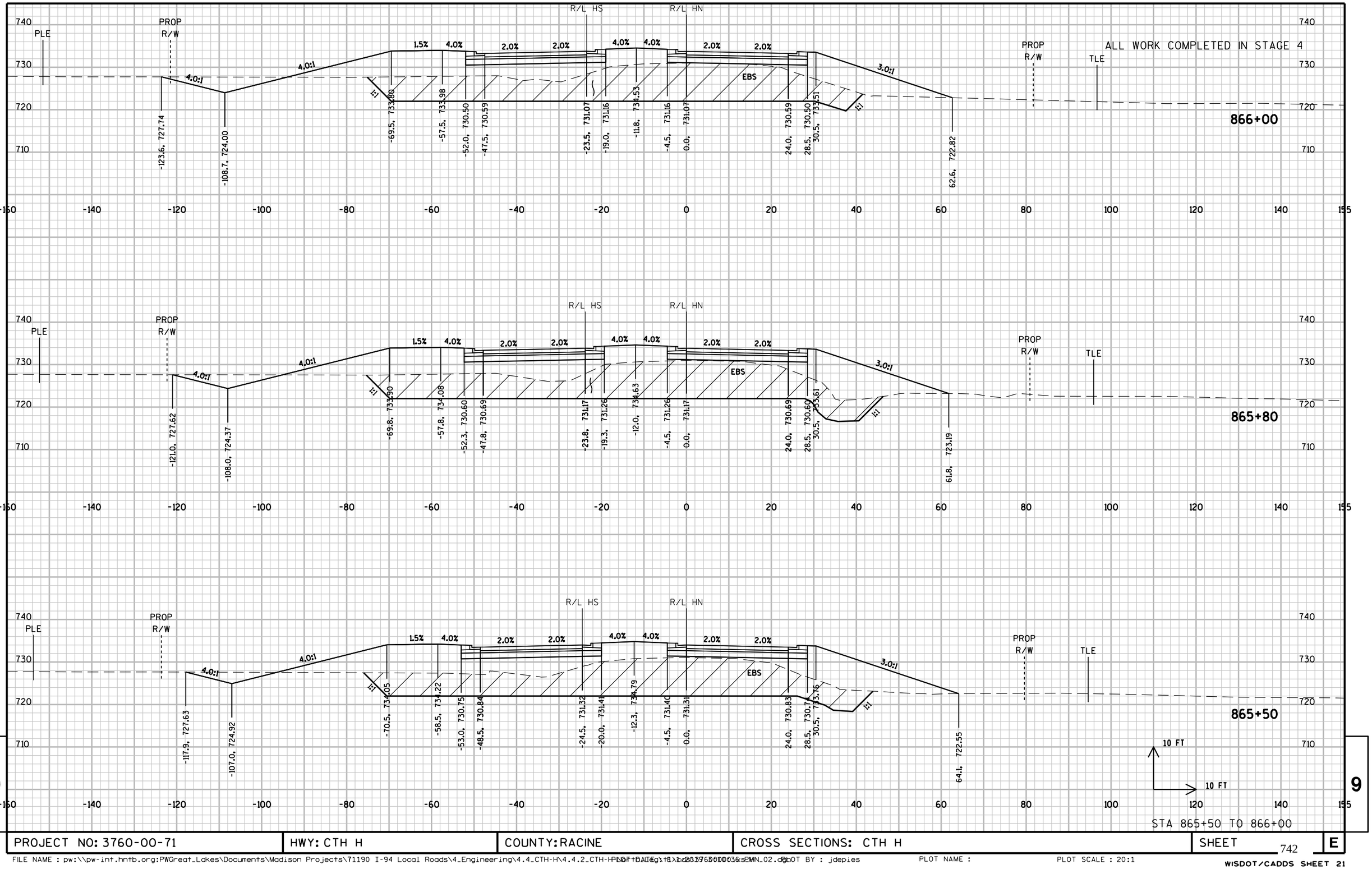
WISDOT/CADDS SHEET 21



STA 864+00 TO 865+00

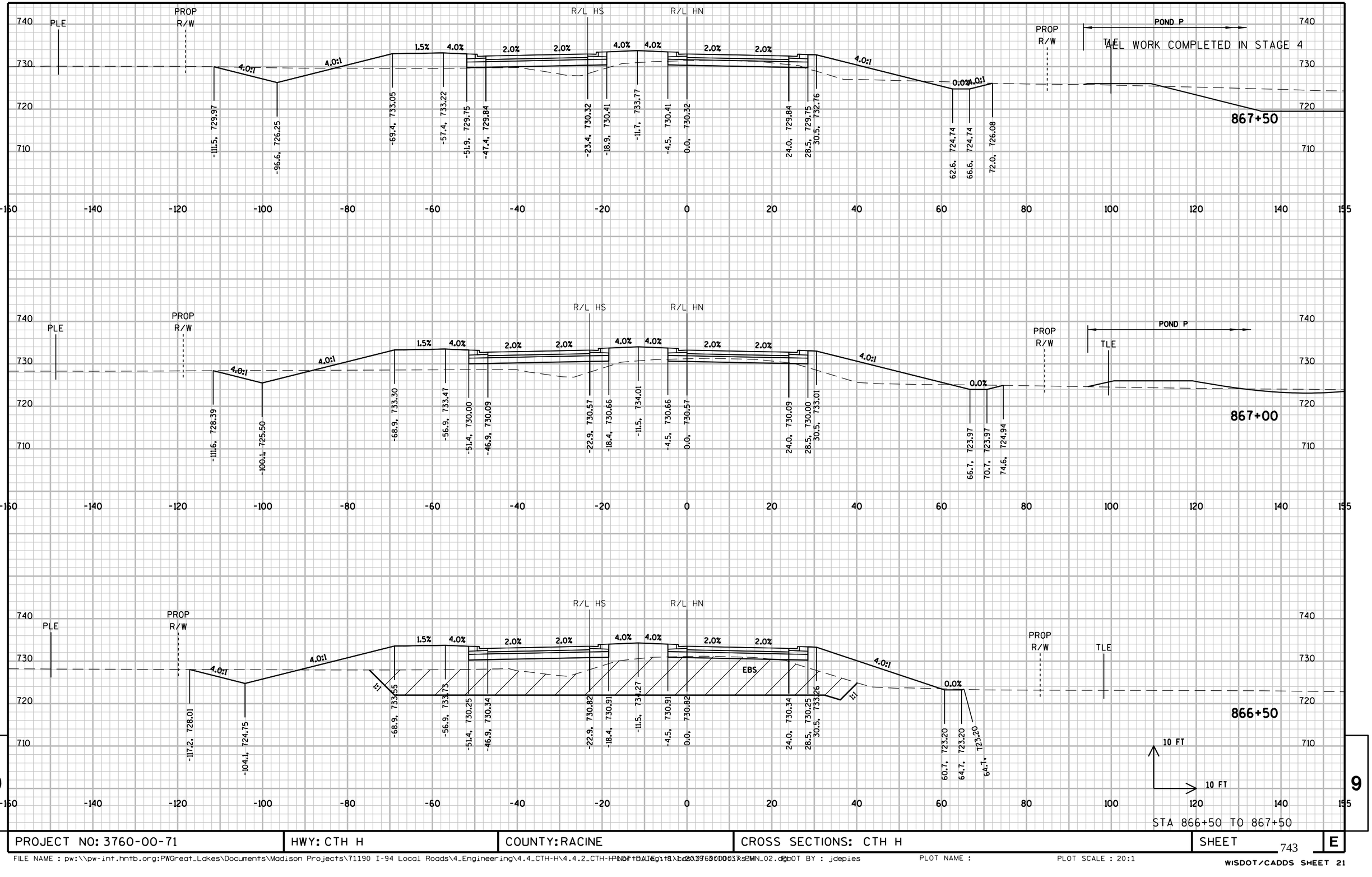
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 741	E

9 9



STA 865+50 TO 866+00

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 742	E



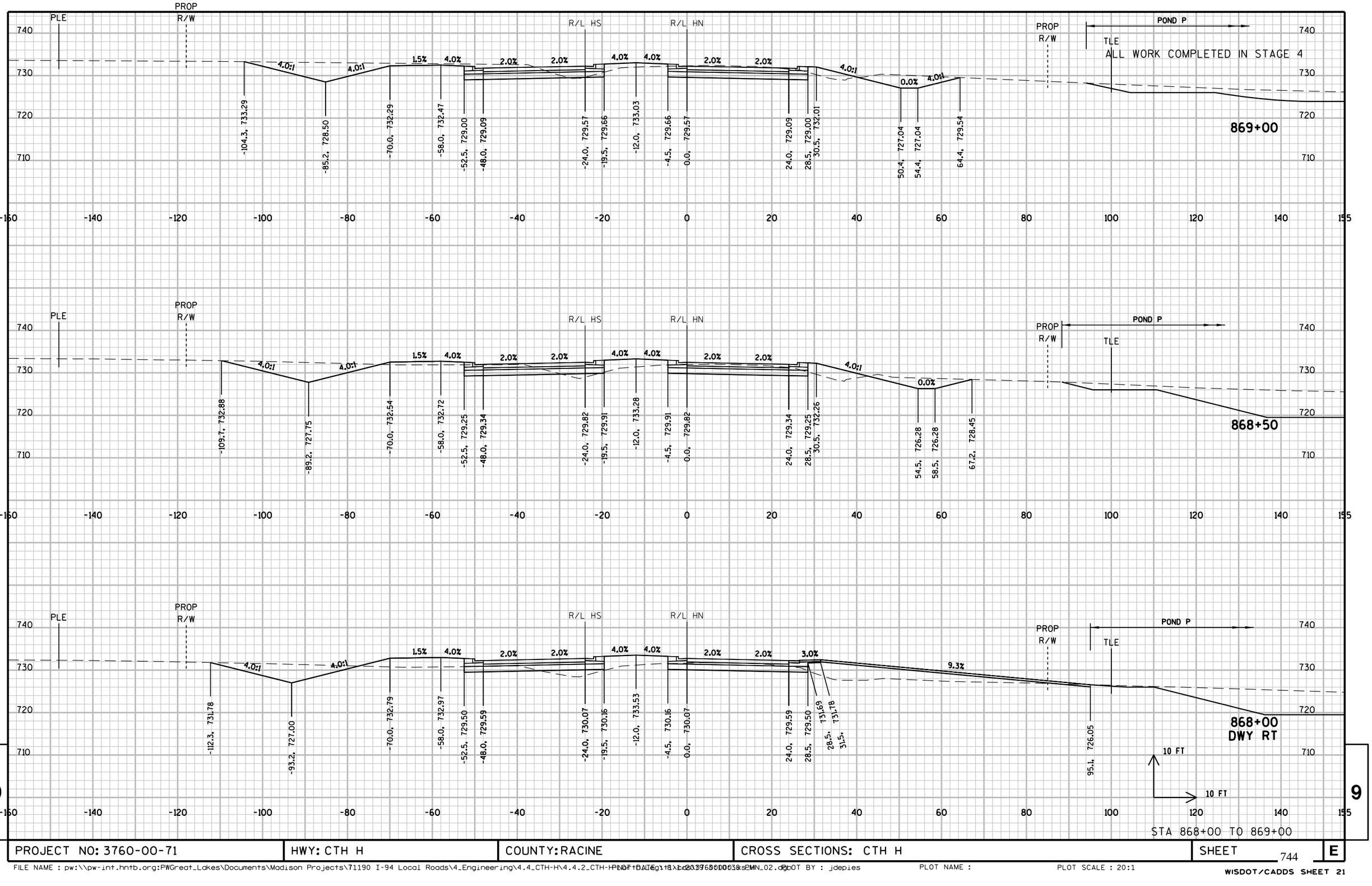
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PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

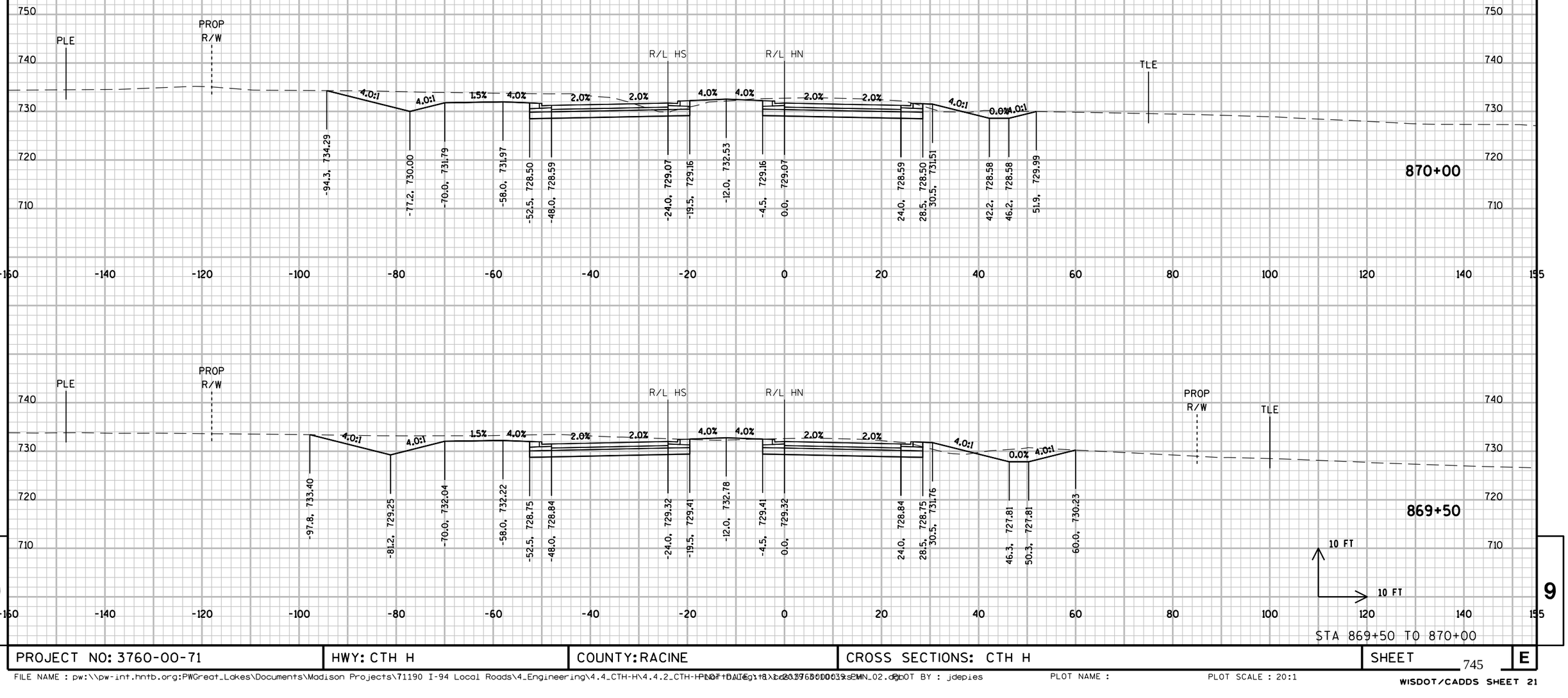
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/26/2025 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 744 E

ALL WORK COMPLETED IN STAGE 4



9

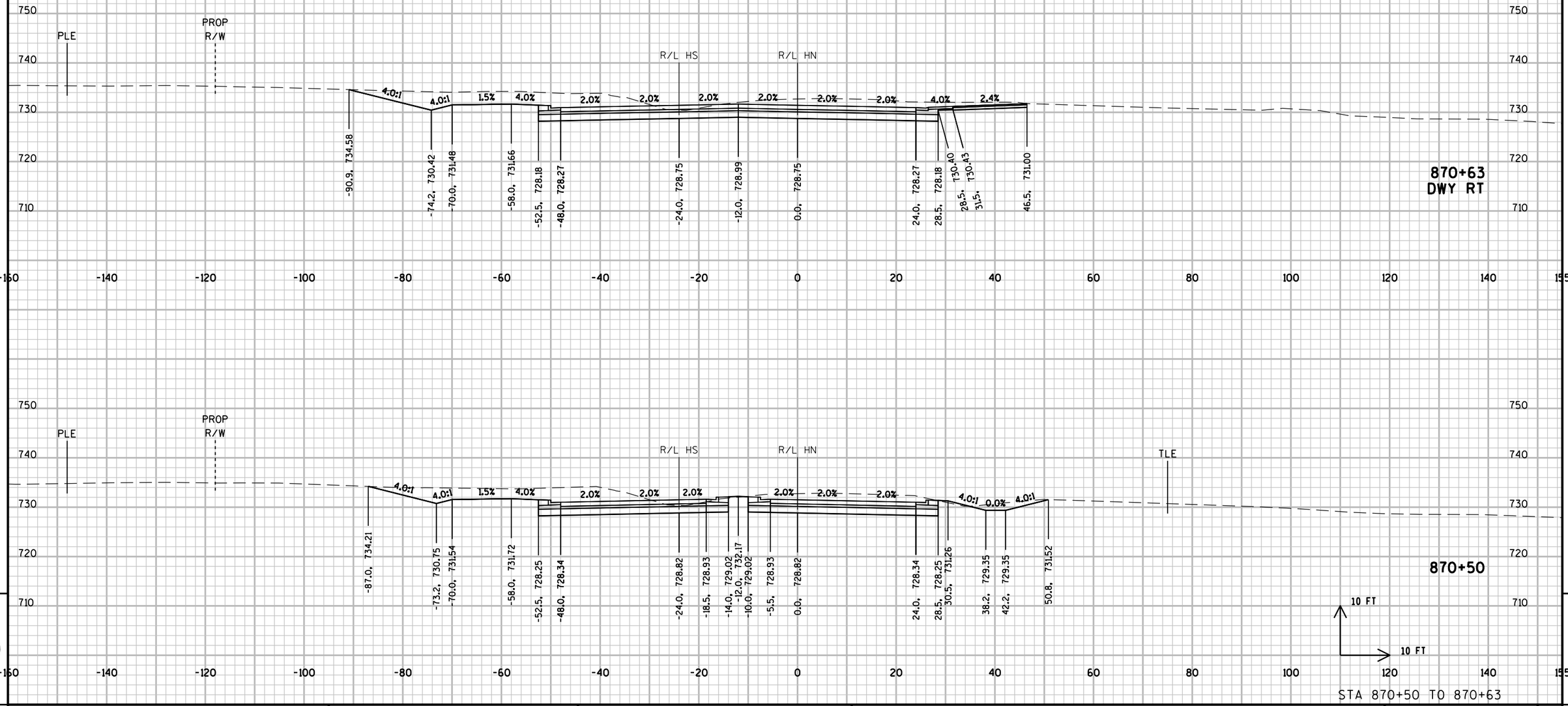
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STA 869+50 TO 870+00

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT FILES\3760-00-71_CTH_H_CROSS_SECTIONS_MN_02.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED IN STAGE 4



9

9

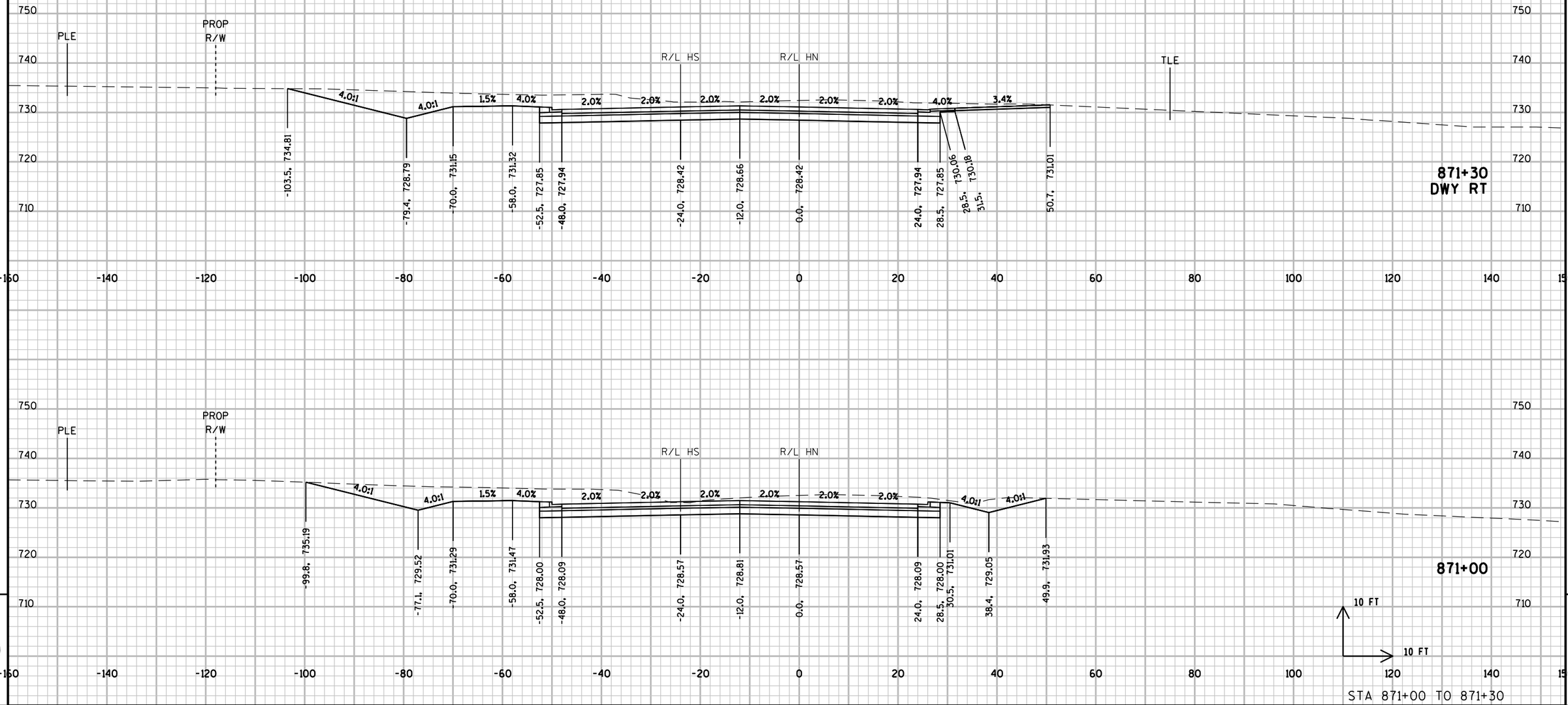
STA 870+50 TO 870+63

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 746	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 12/20/2016 10:00:04 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 4



9

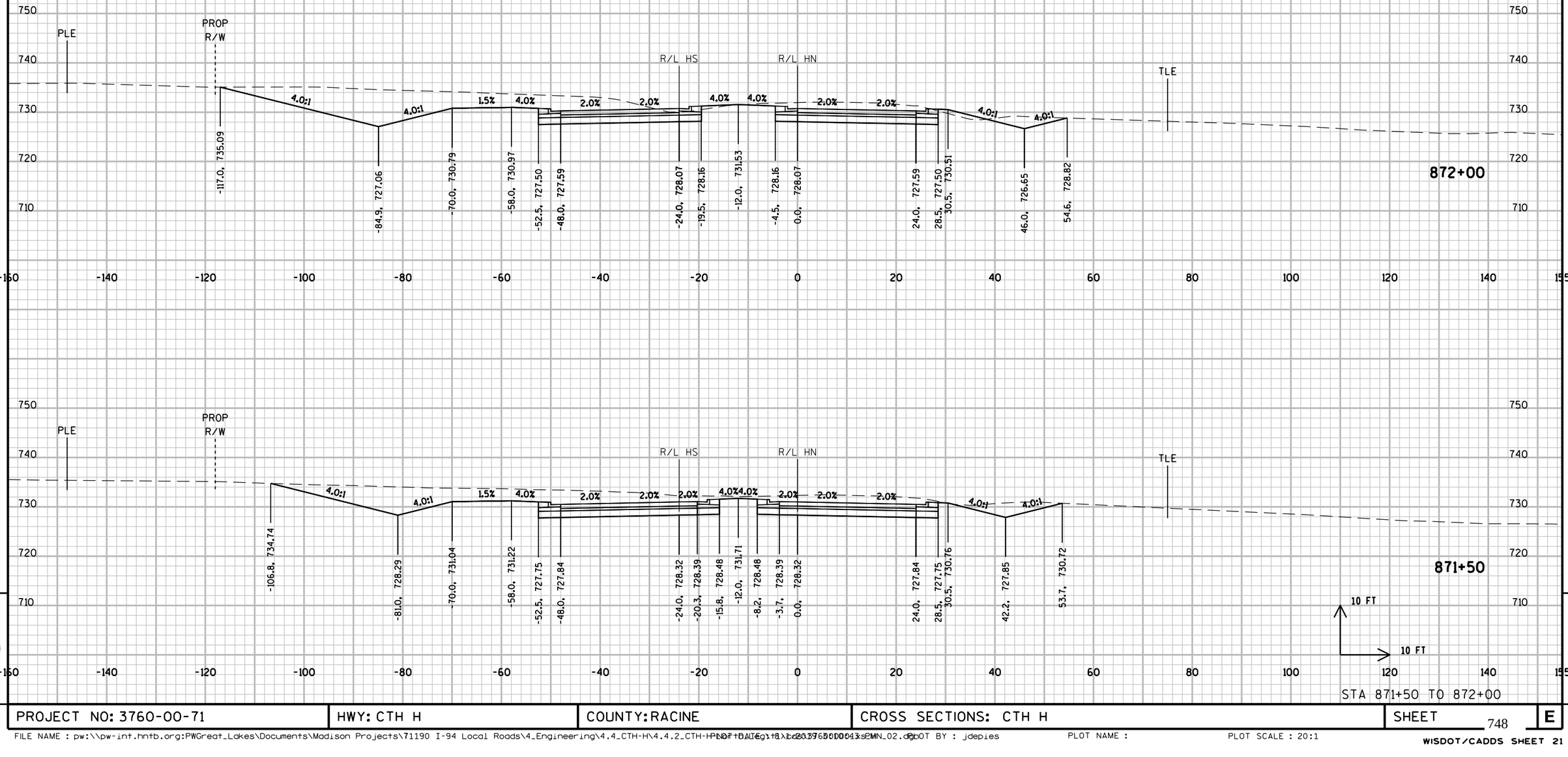
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PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 747	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 1/22/2026 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 4



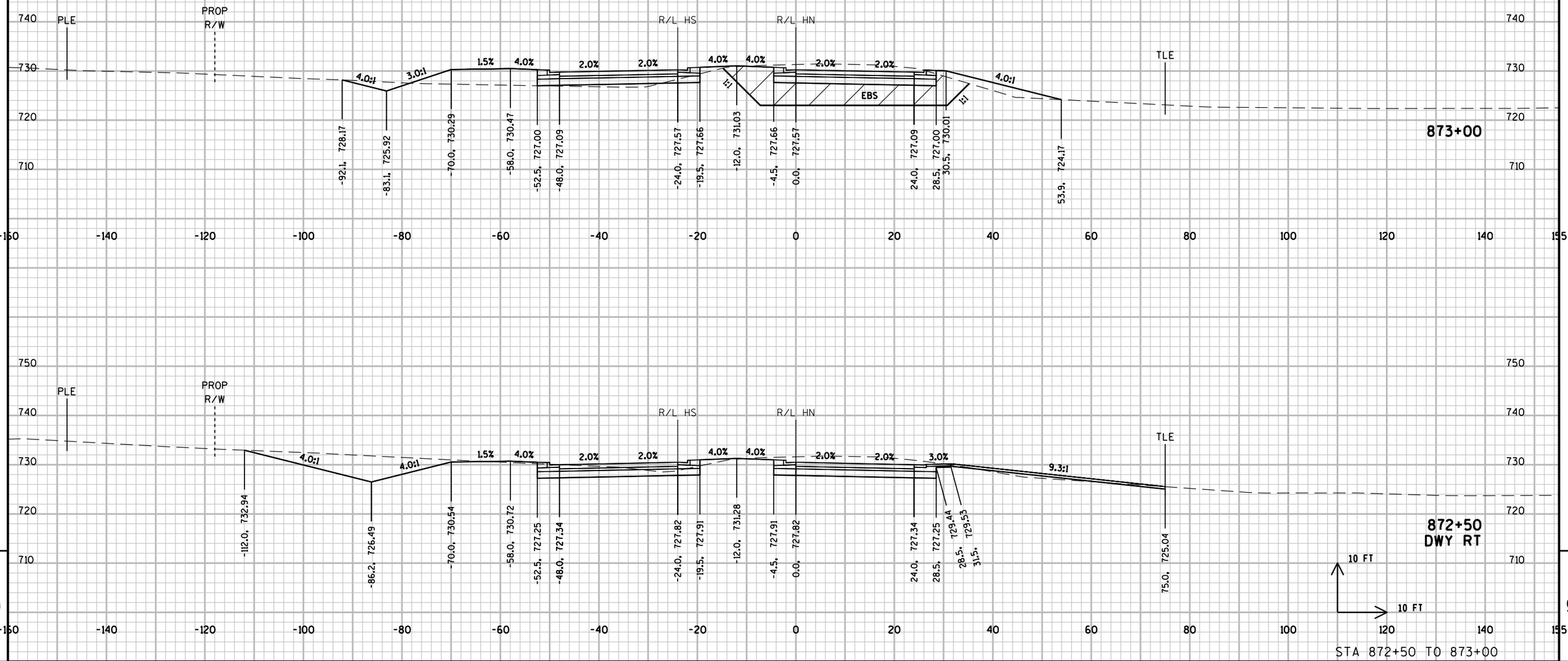
STA 871+50 TO 872+00

9

9

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 748	E

ALL WORK COMPLETED IN STAGE 4



9

9

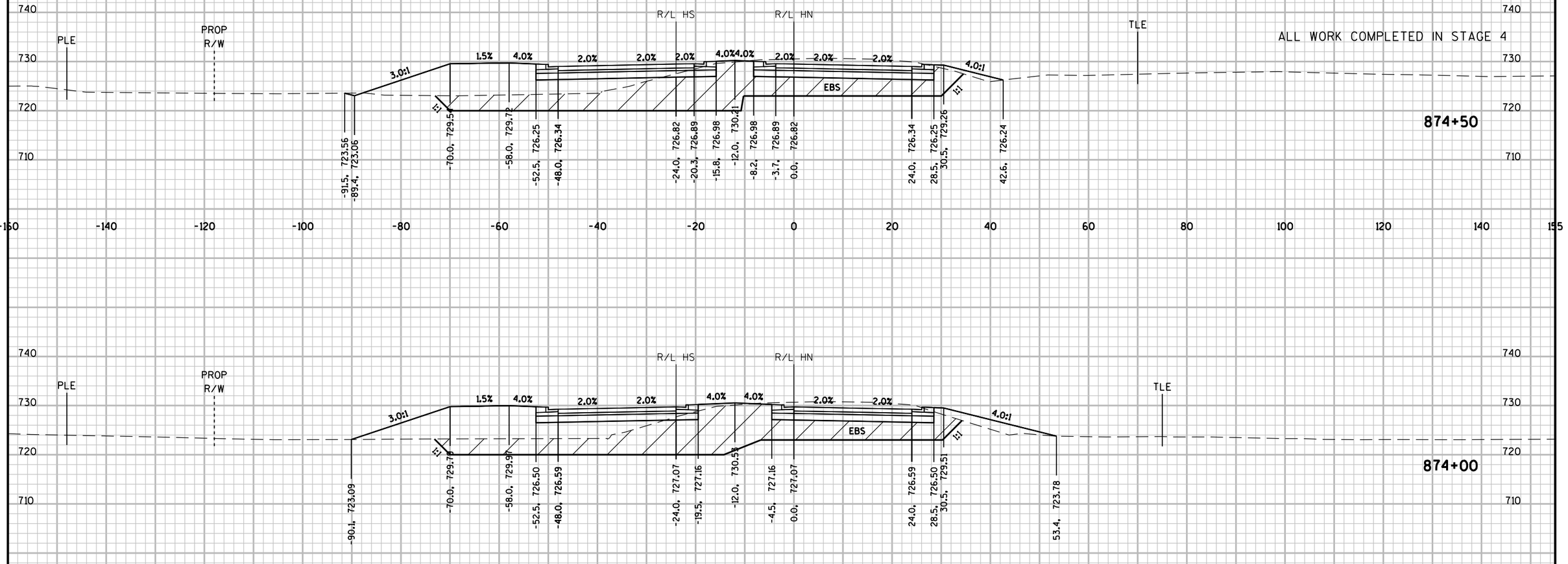
STA 872+50 TO 873+00

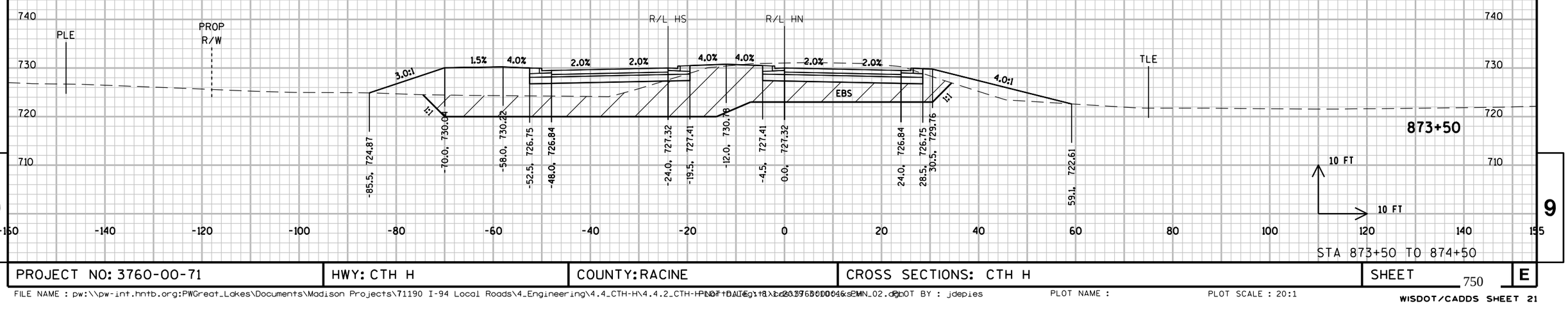
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 749	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 4





STA 873+50 TO 874+50

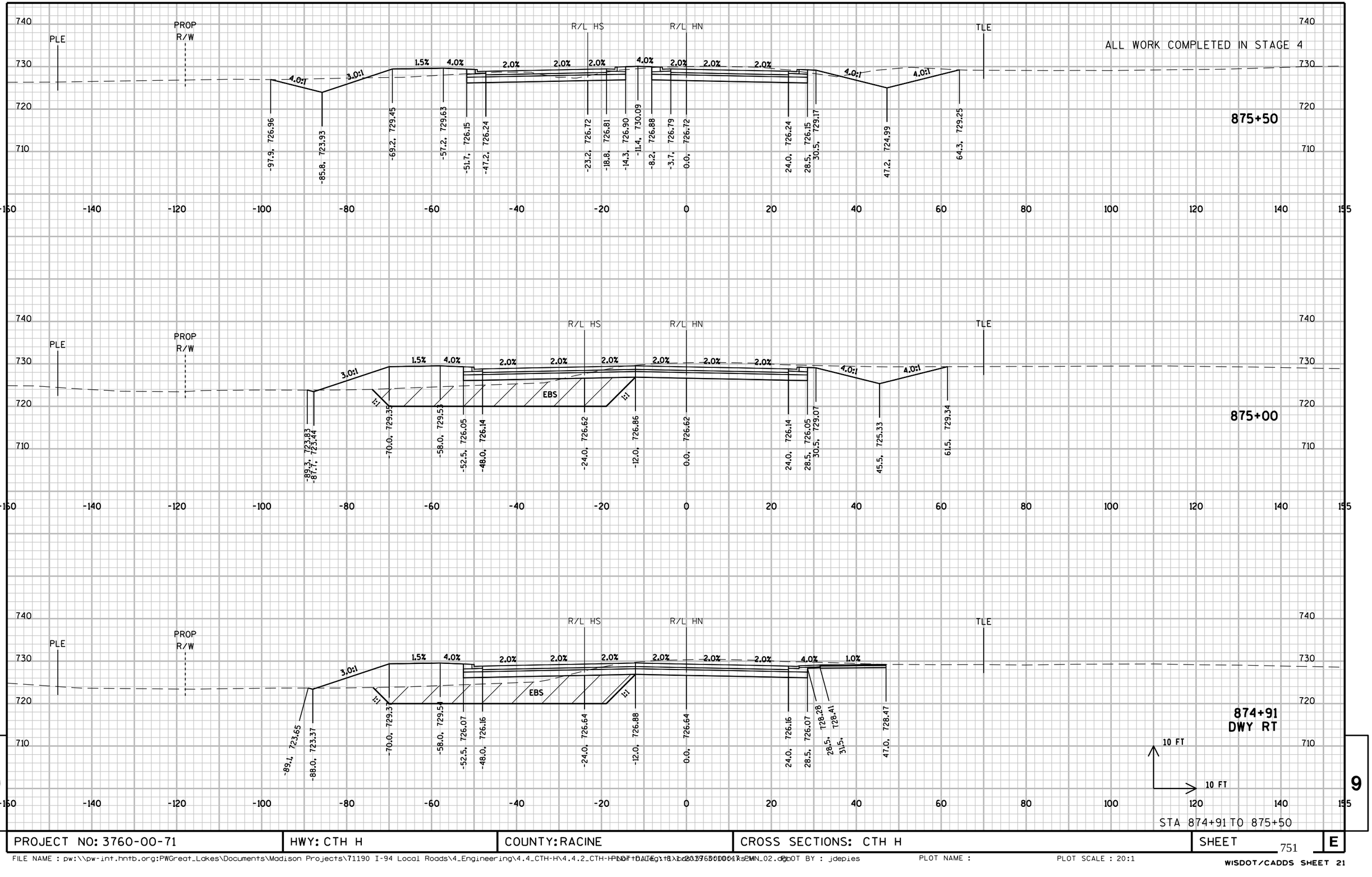
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PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 750	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Design\Plans\Sheets\3760000046sPMN_02.dgn PLOT DATE : 8/23/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



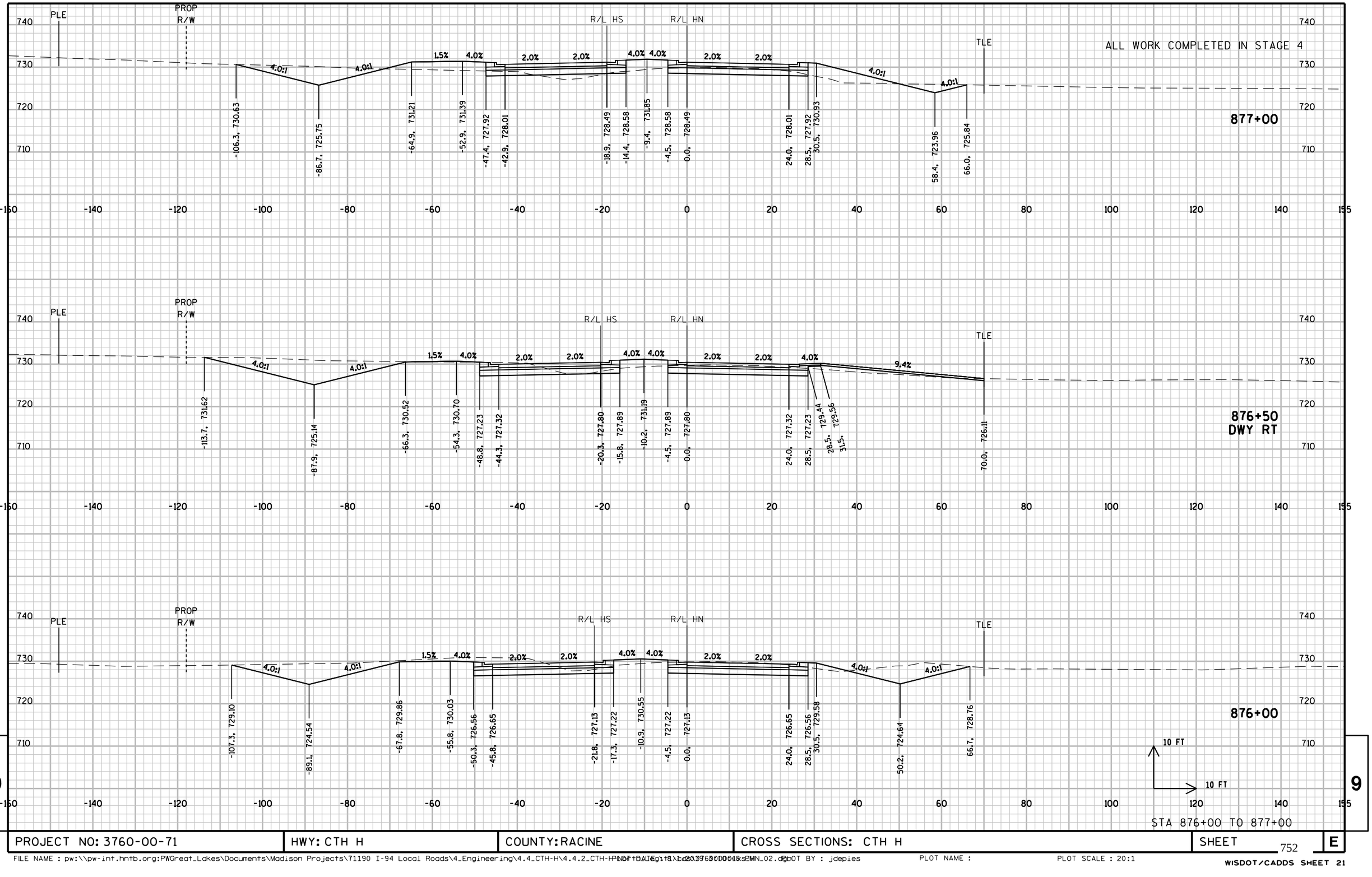
STA 874+91 TO 875+50

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 751	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9



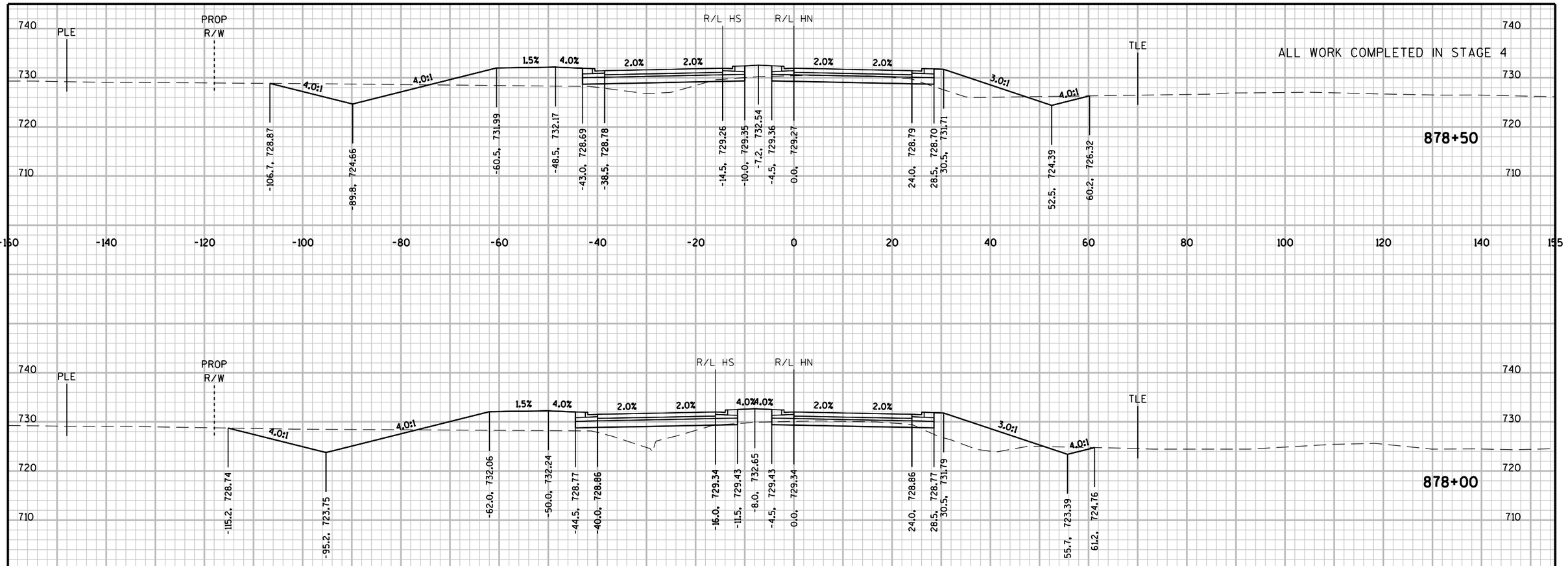
STA 876+00 TO 877+00

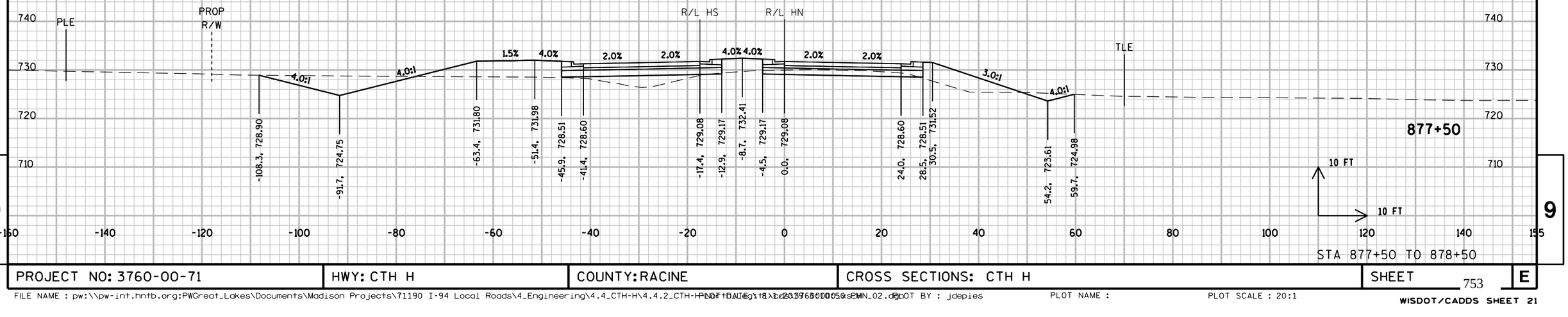
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 752	E

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FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\376500004sSMN_02.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 4



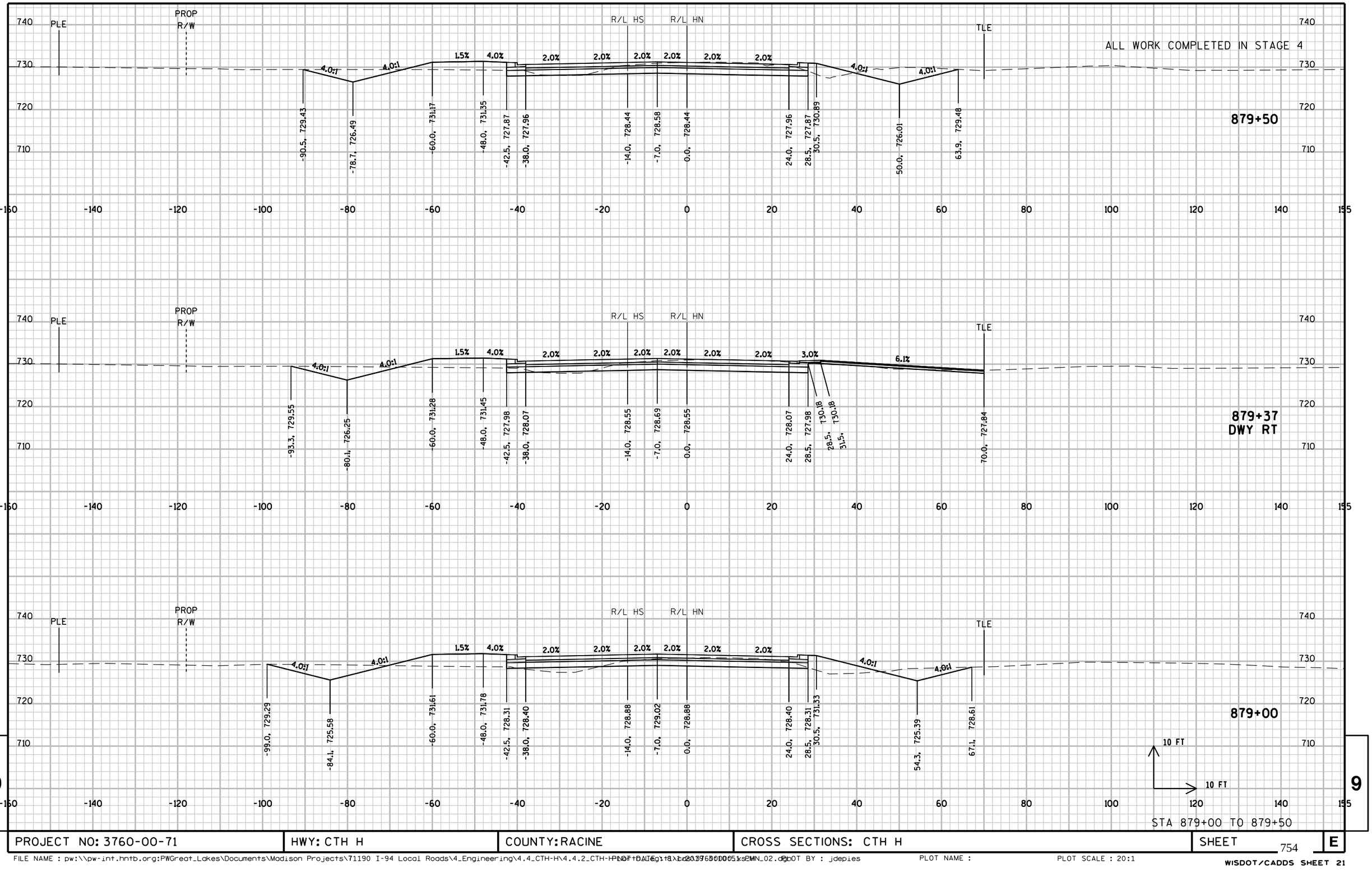


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STA 877+50 TO 878+50

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 753	E

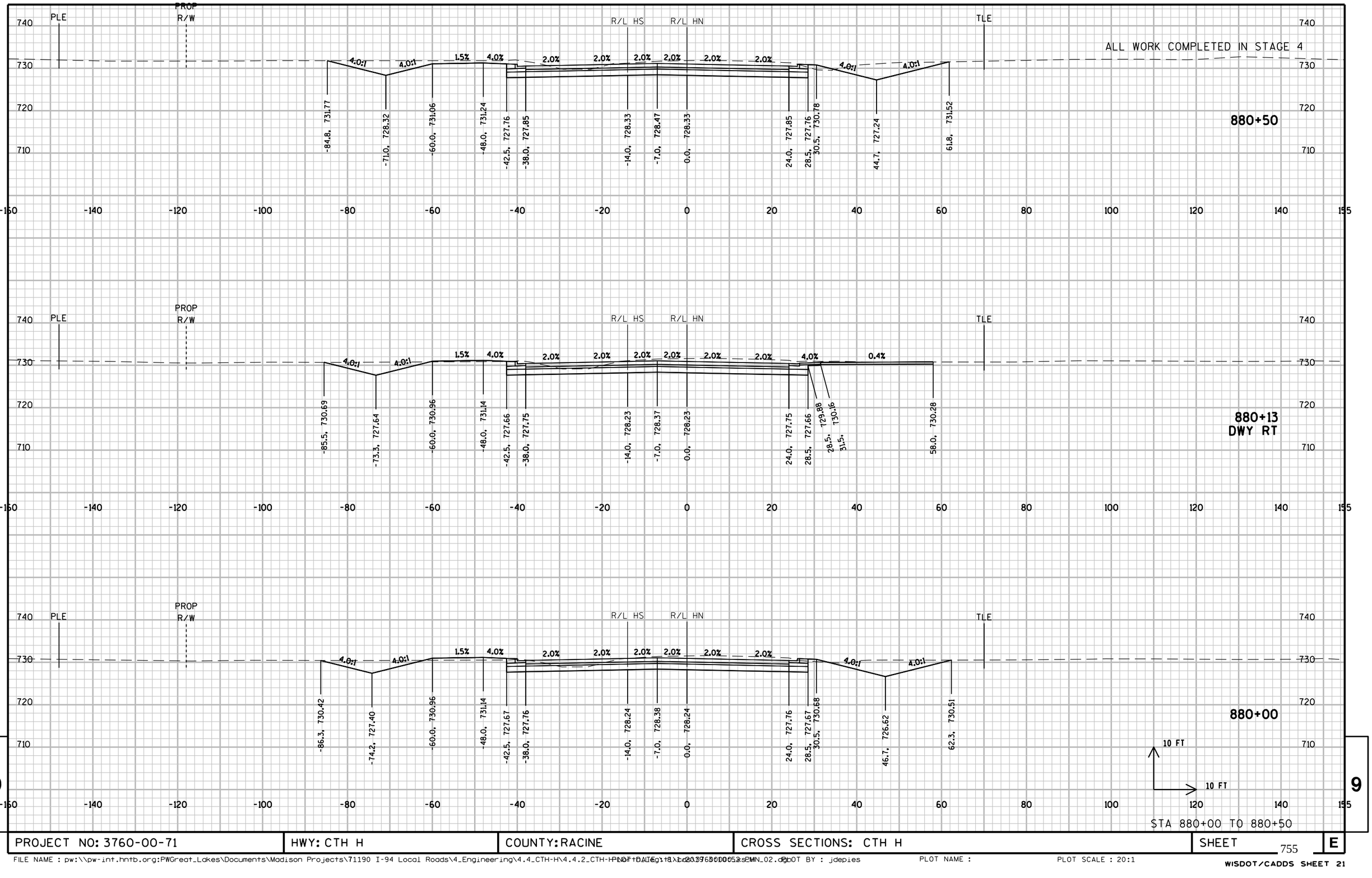


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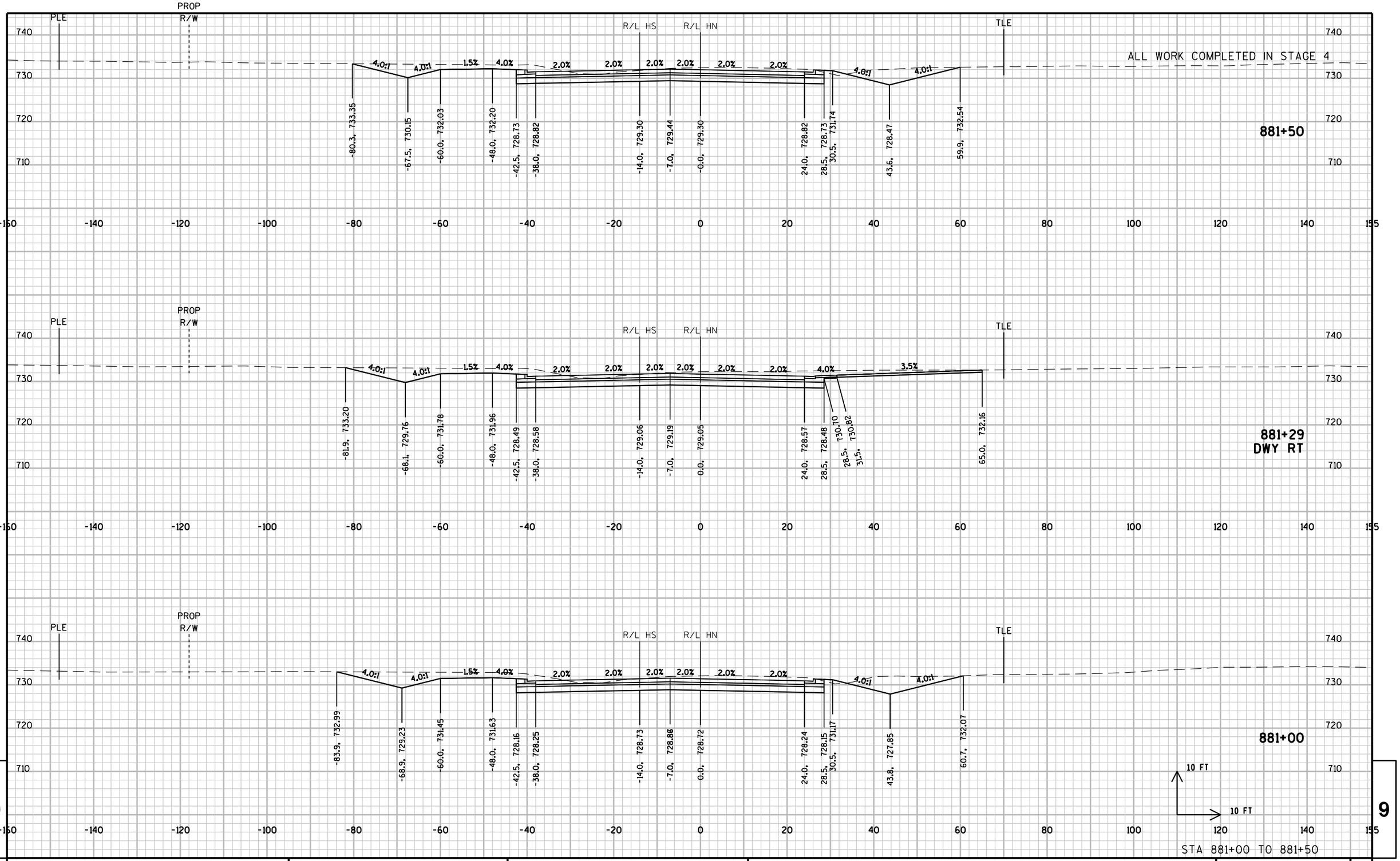
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STA 879+00 TO 879+50

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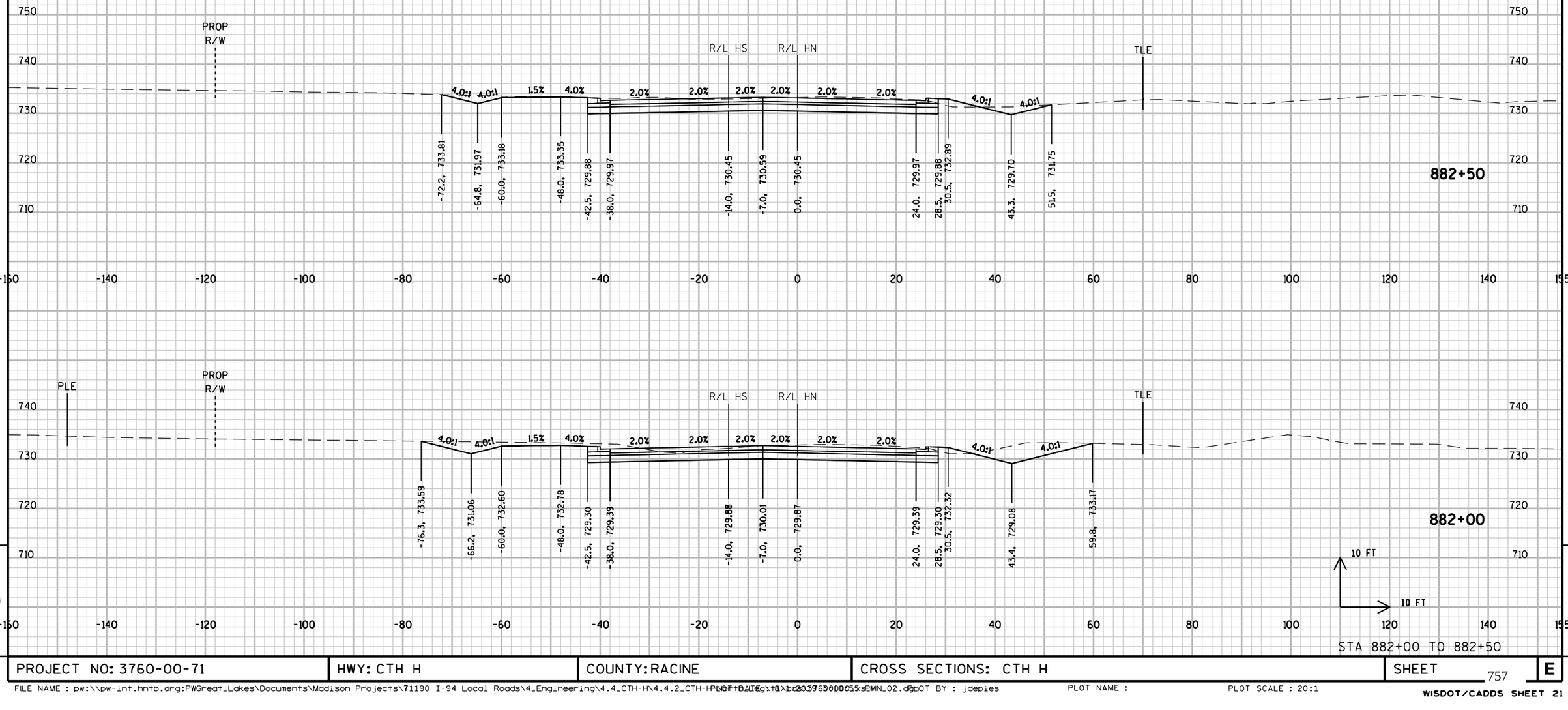


PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 755 E



PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 756 E

ALL WORK COMPLETED IN STAGE 4



STA 882+00 TO 882+50

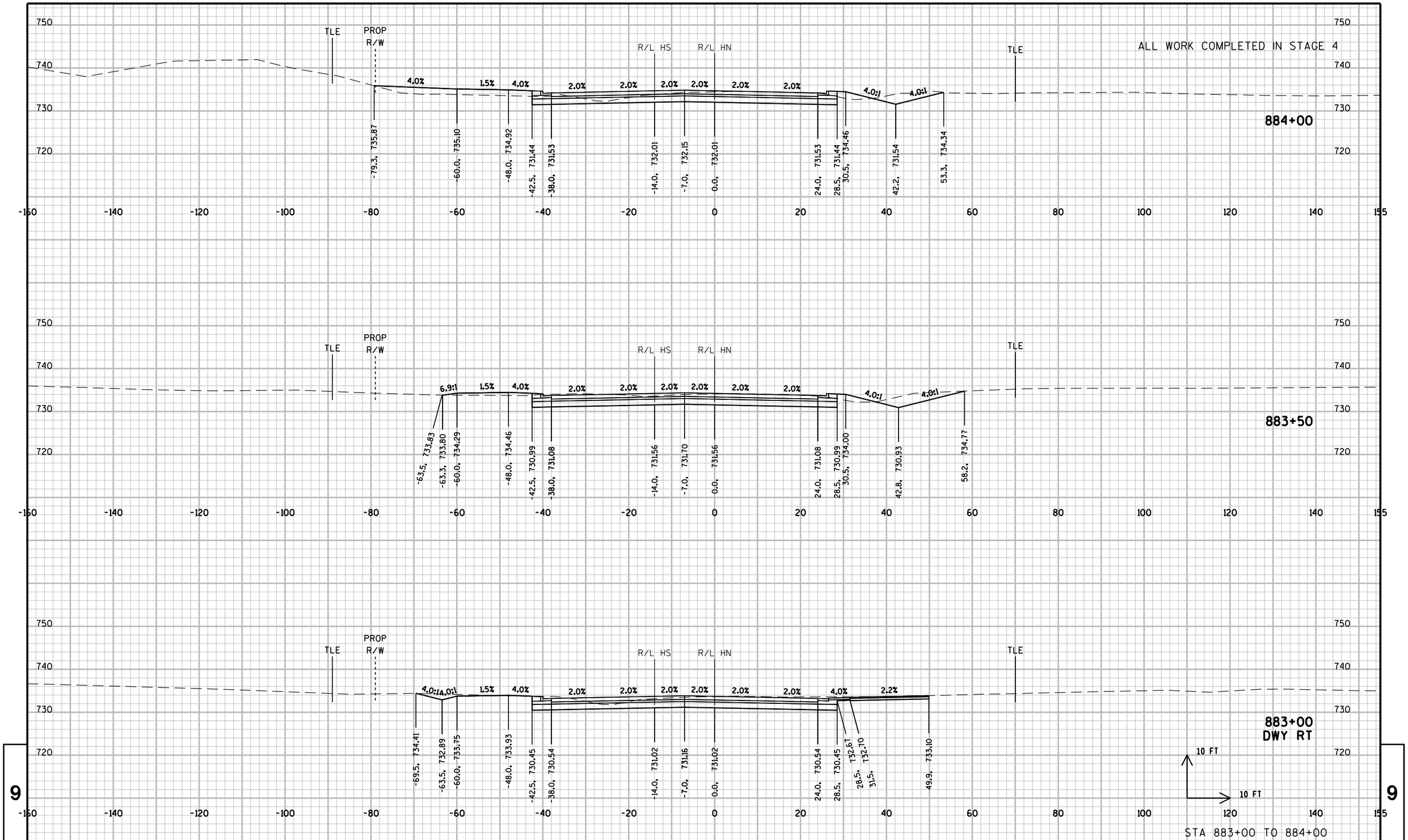
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PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 757	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/12/2025 10:05:55 AM 02.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

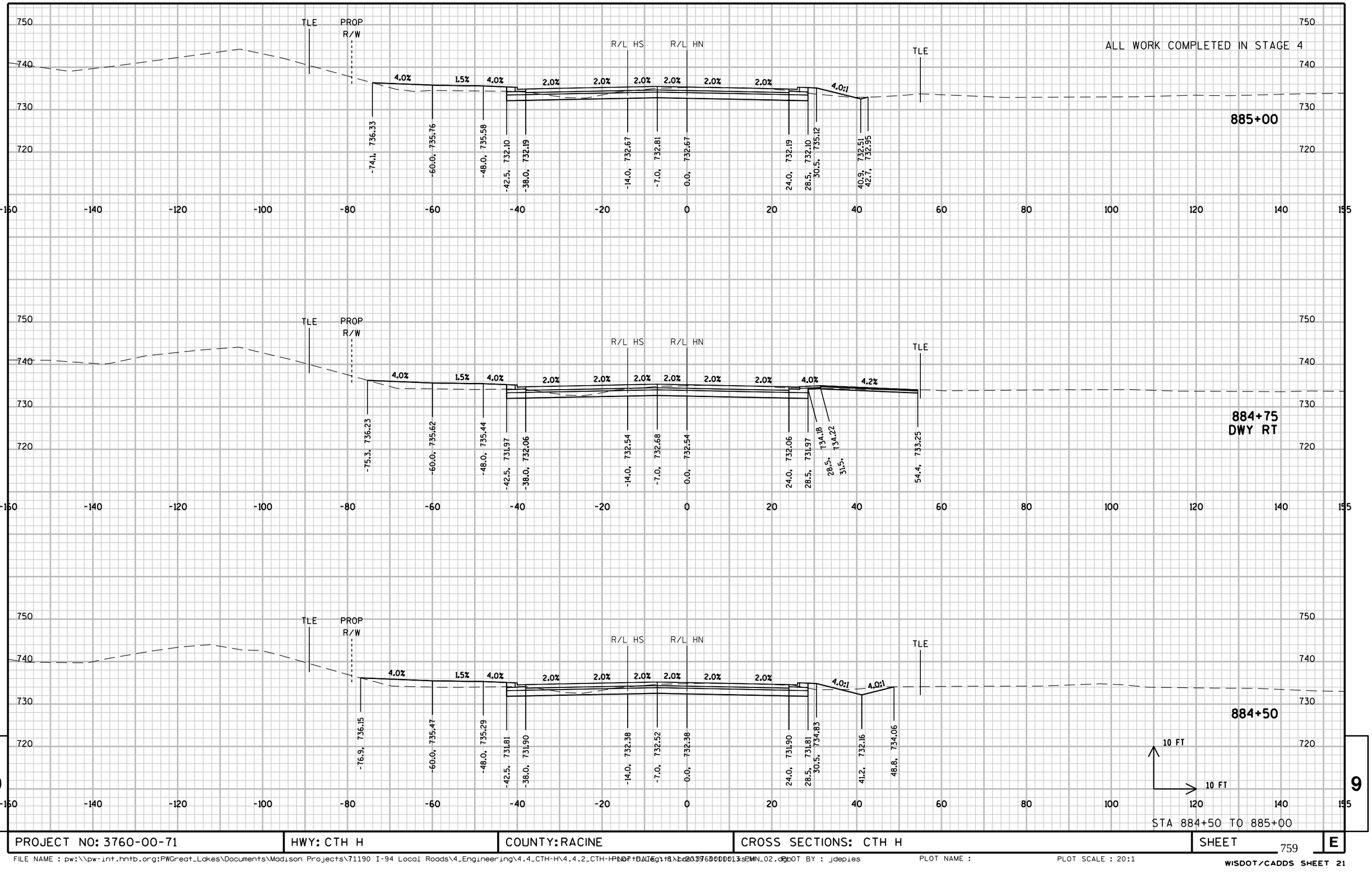


STA 883+00 TO 884+00

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 758	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/22/2025 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

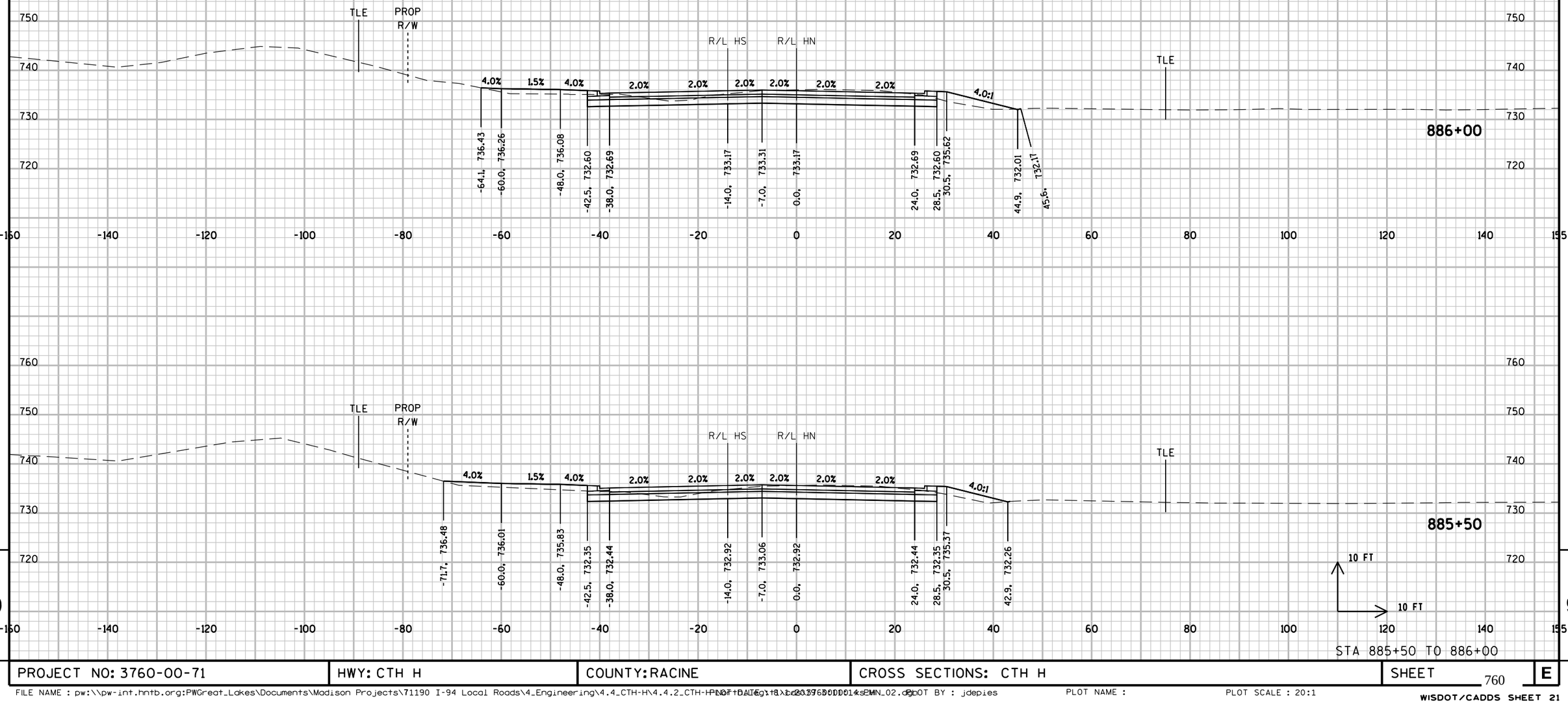
WISDOT/CADDS SHEET 21



9

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 759	E

ALL WORK COMPLETED IN STAGE 4



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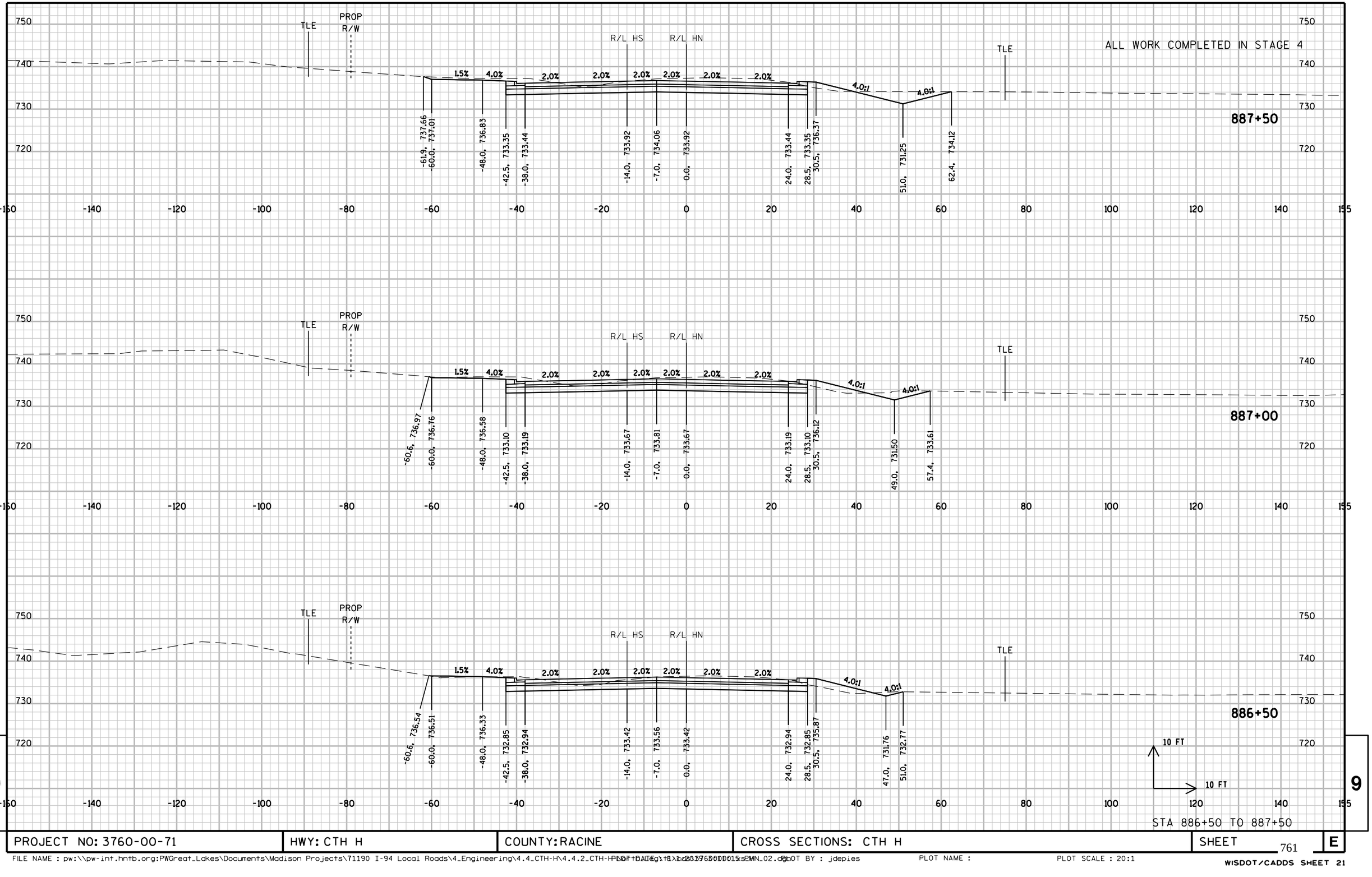
PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

STA 885+50 TO 886+00

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/23/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 4

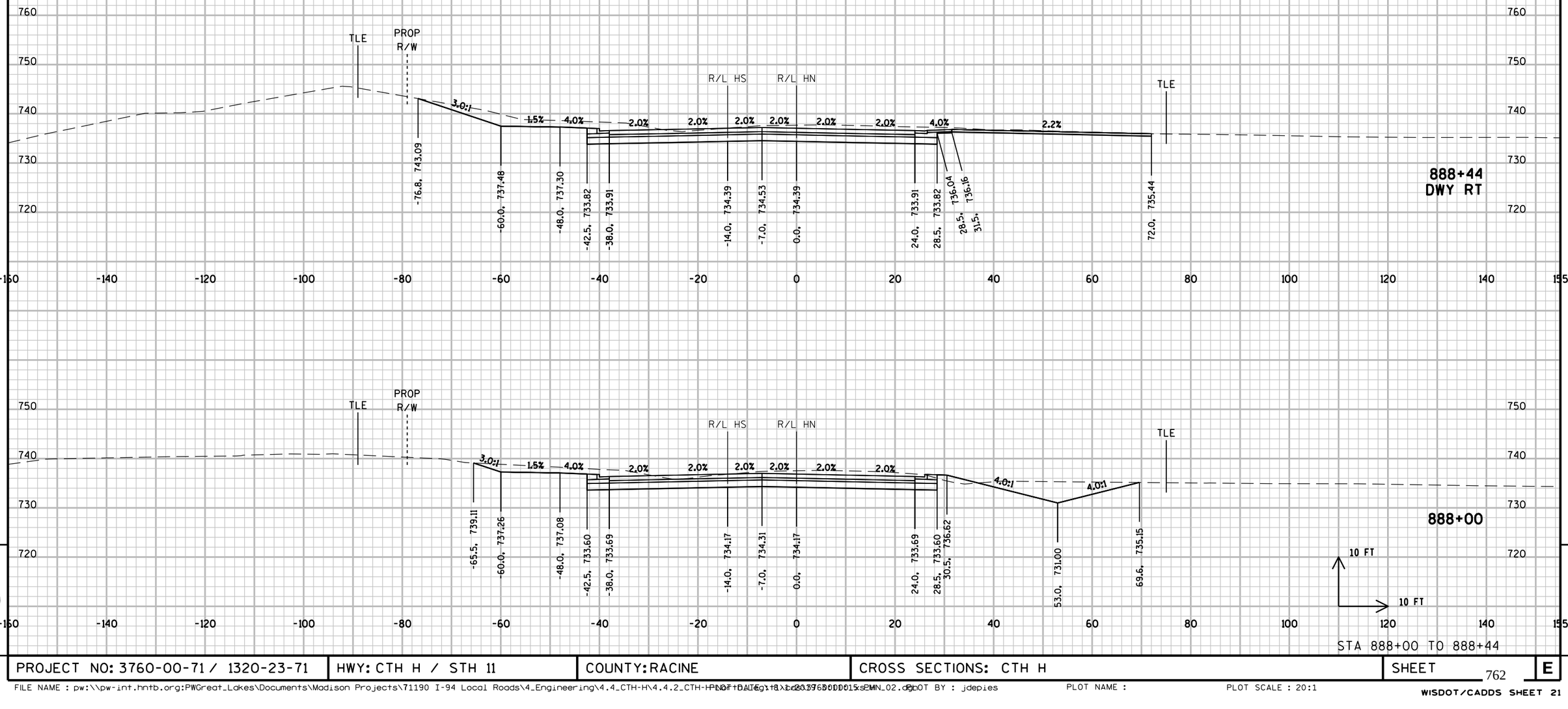


STA 886+50 TO 887+50

PROJECT NO: 3760-00-71	HWY: CTH H	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



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9

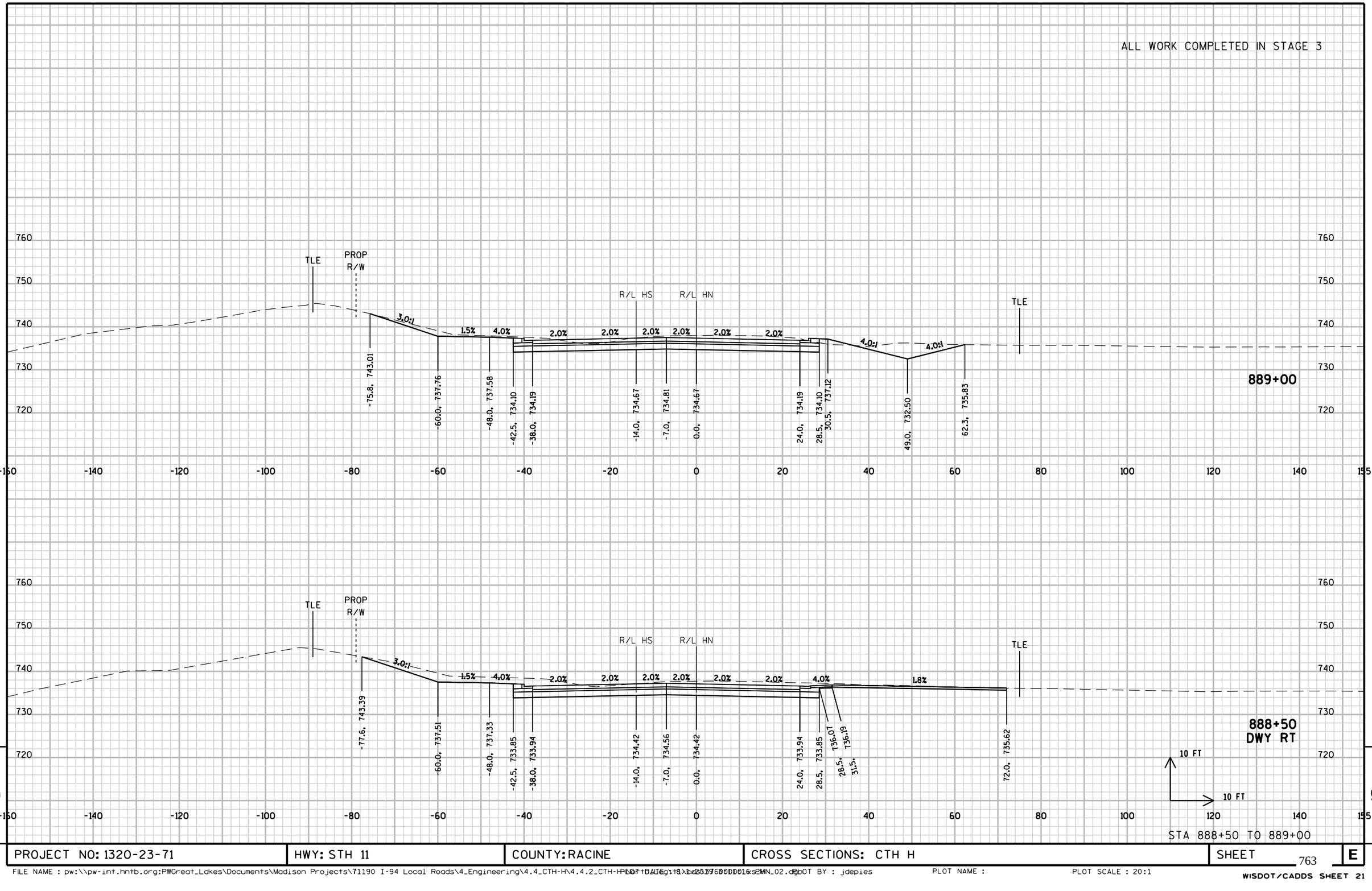
STA 888+00 TO 888+44

PROJECT NO: 3760-00-71 / 1320-23-71	HWY: CTH H / STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 7:50:00 AM
PLOT BY : jdepies
PLOT NAME :
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



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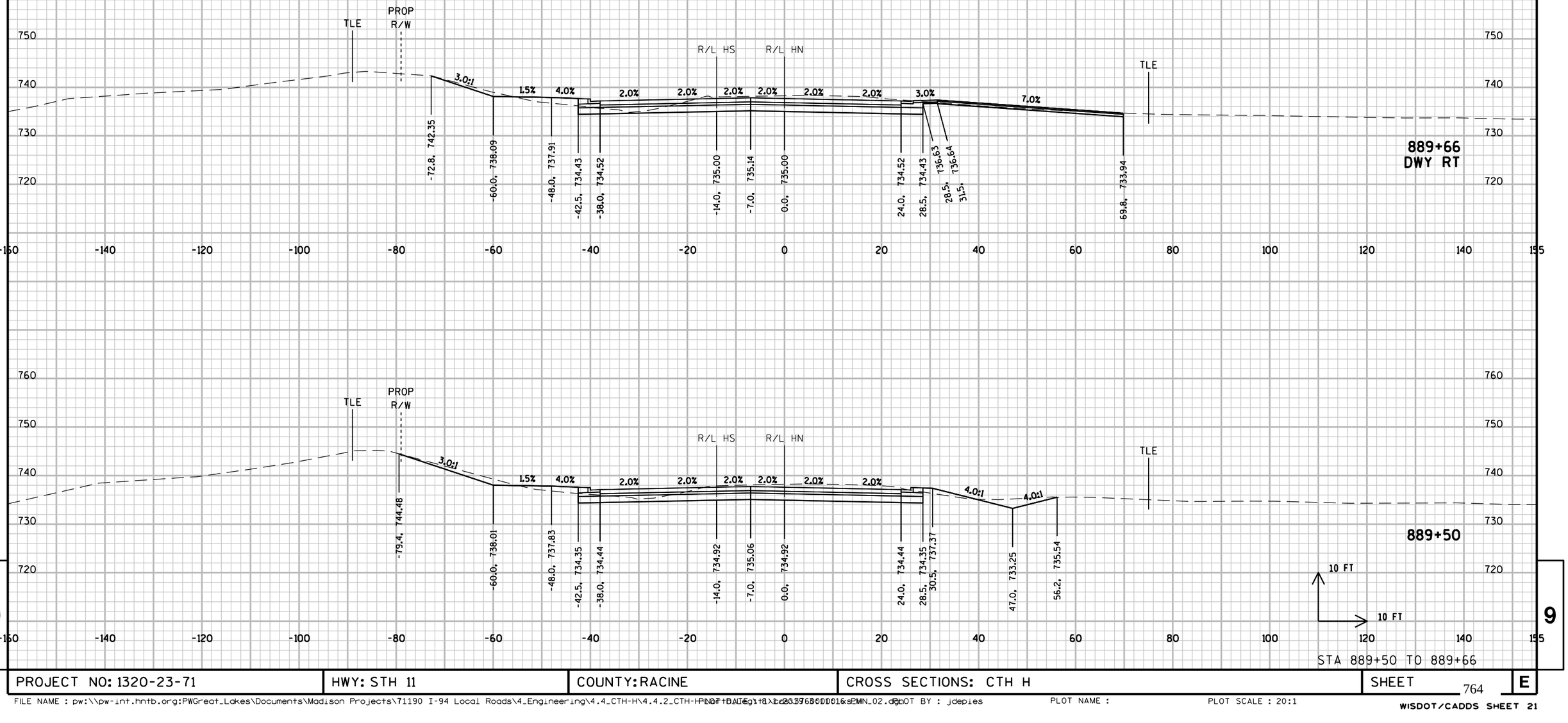
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STA 888+50 TO 889+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/23/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED IN STAGE 3

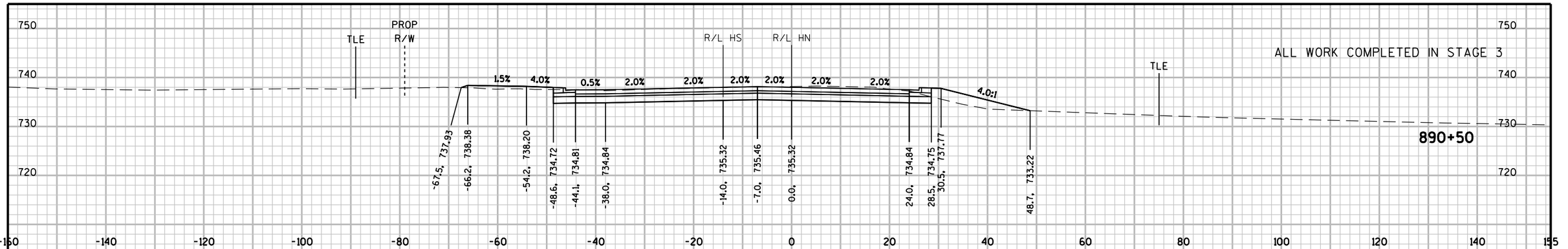


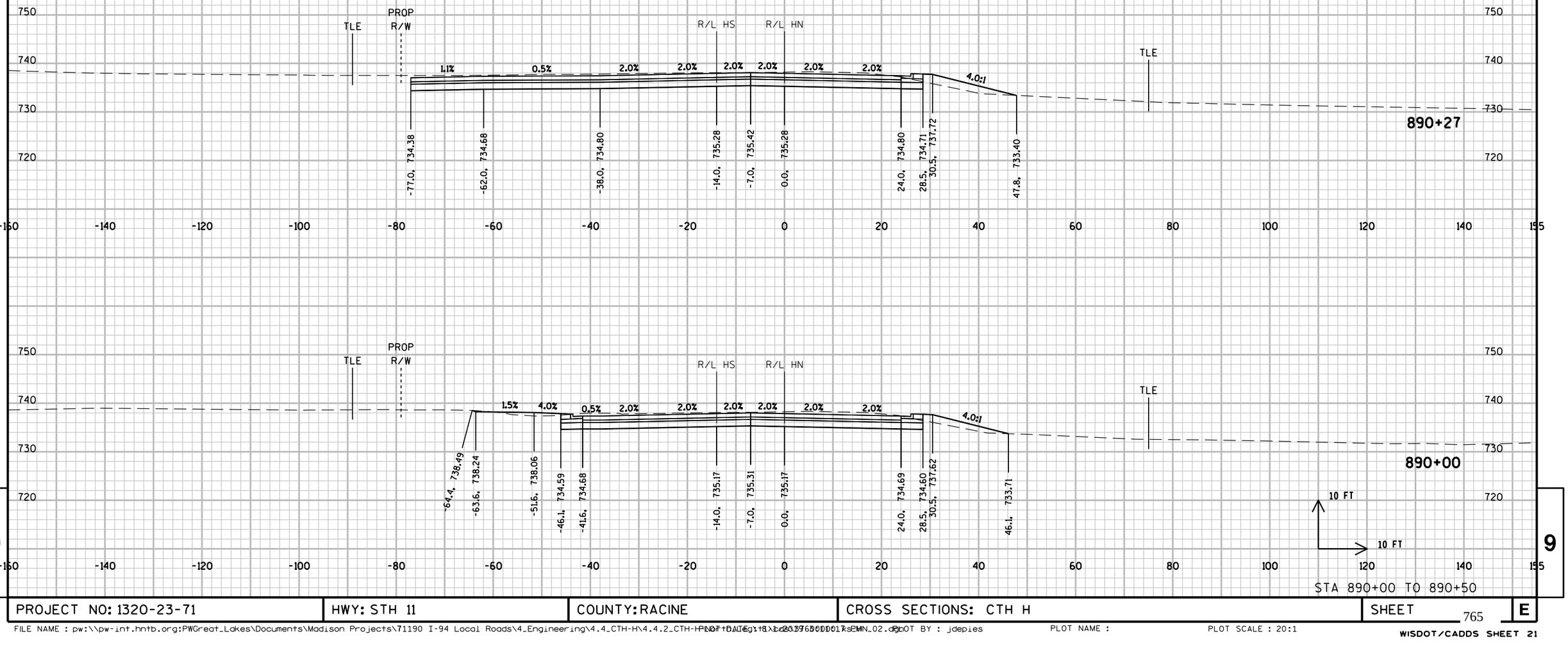
STA 889+50 TO 889+66

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 764	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 7:00:00 AM
PLOT BY : jdepies
PLOT NAME :
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21





STA 890+00 TO 890+50

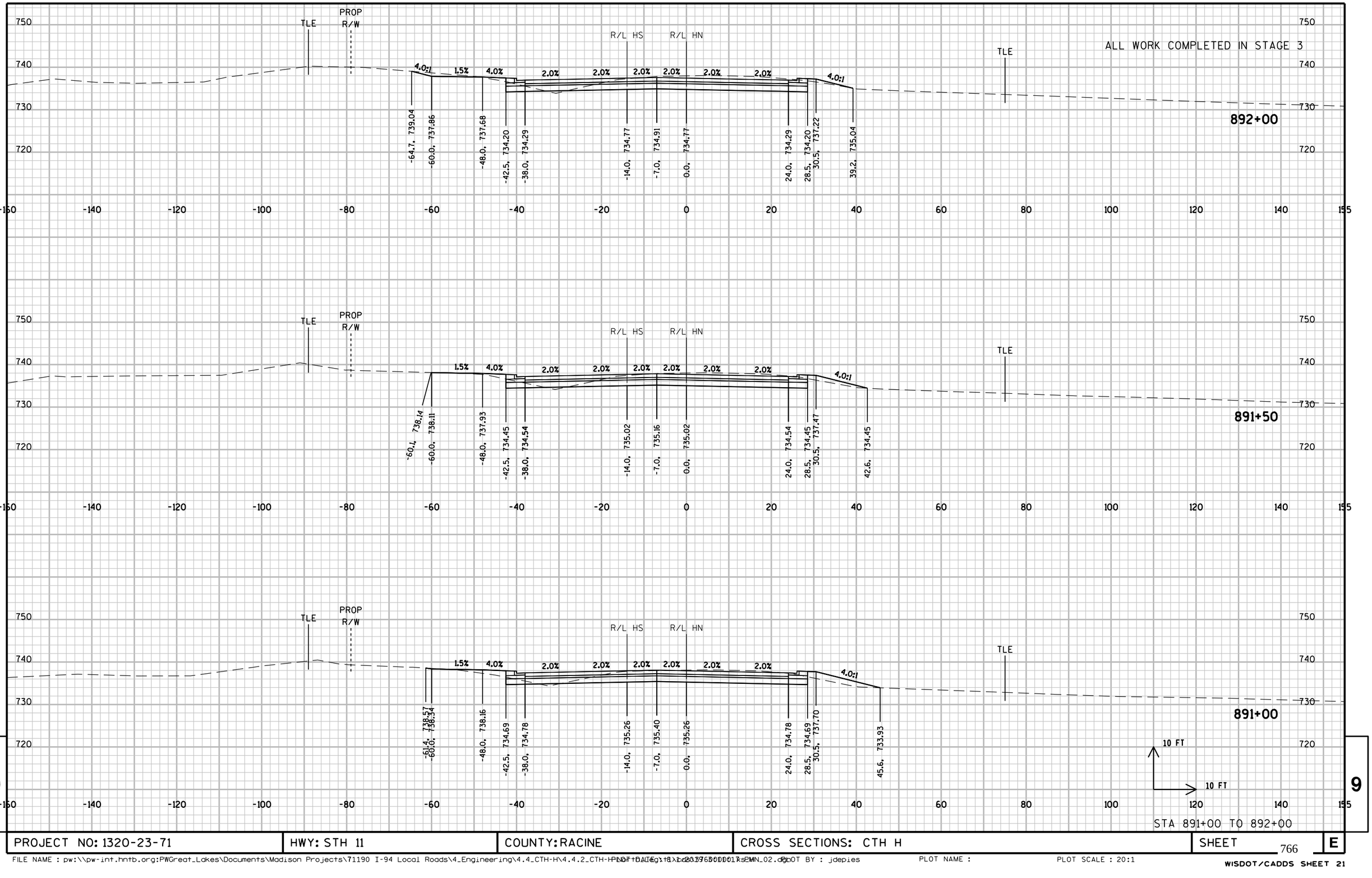
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\20376500001xsMN_02.dgn PLOT DATE : 8/23/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

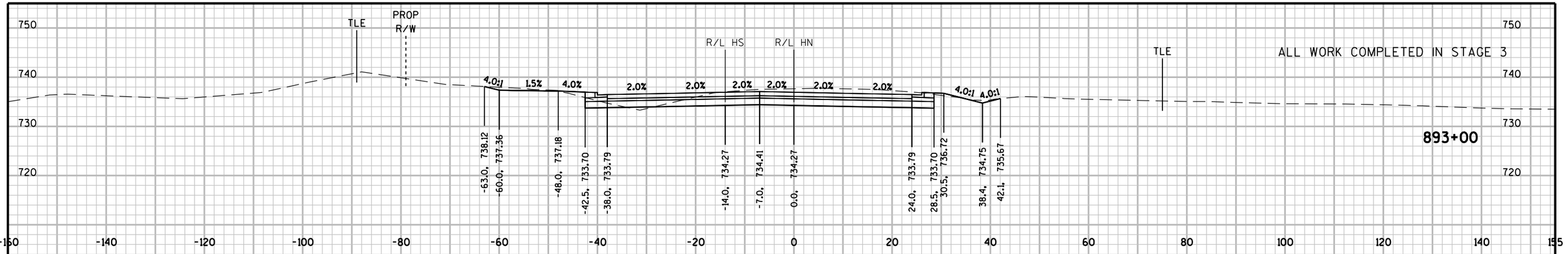
WISDOT/CADDS SHEET 21

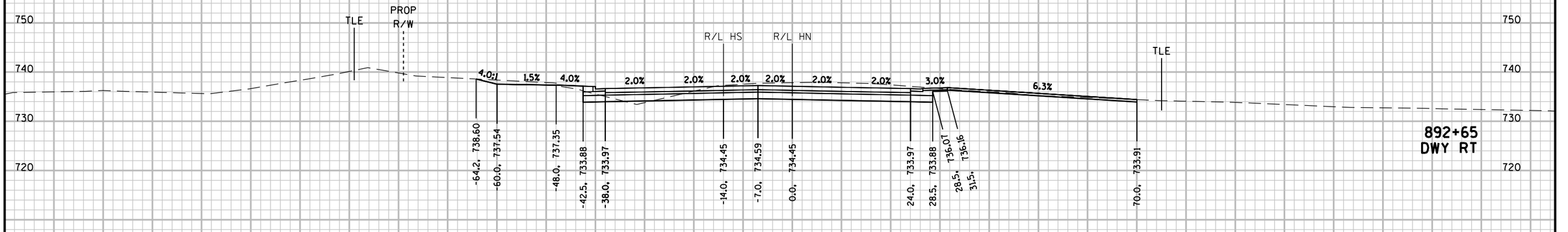


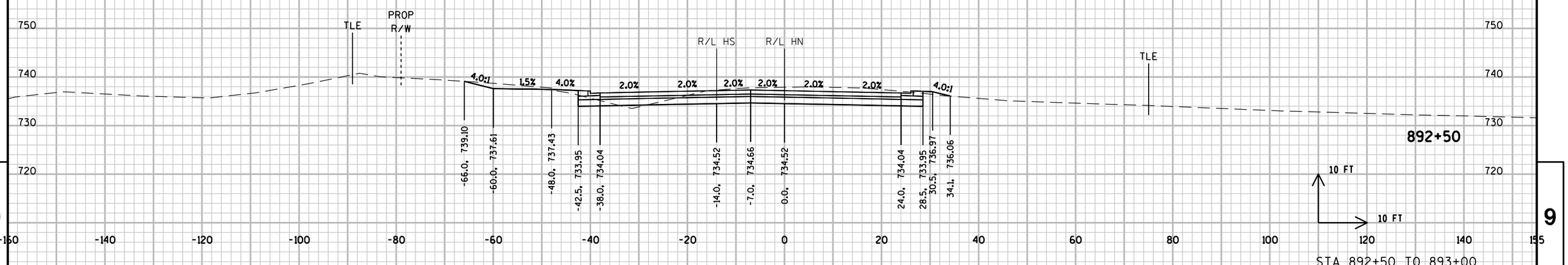
STA 891+00 TO 892+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

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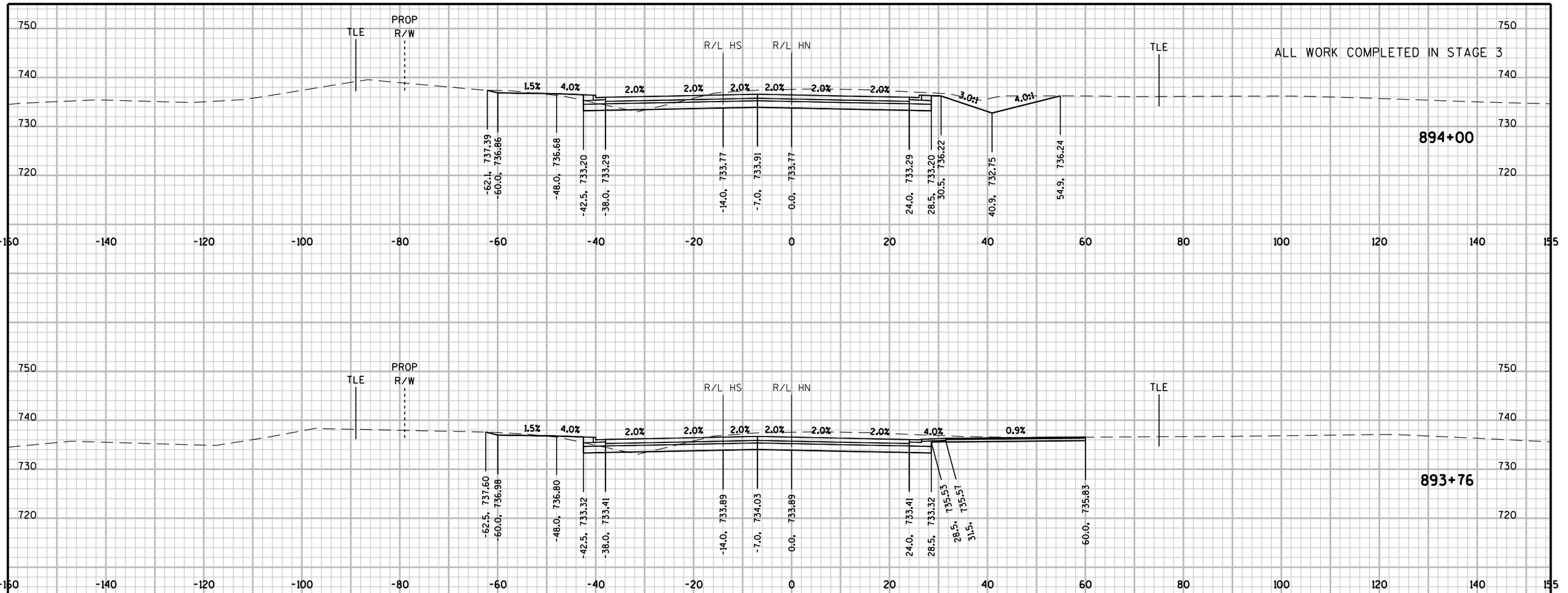
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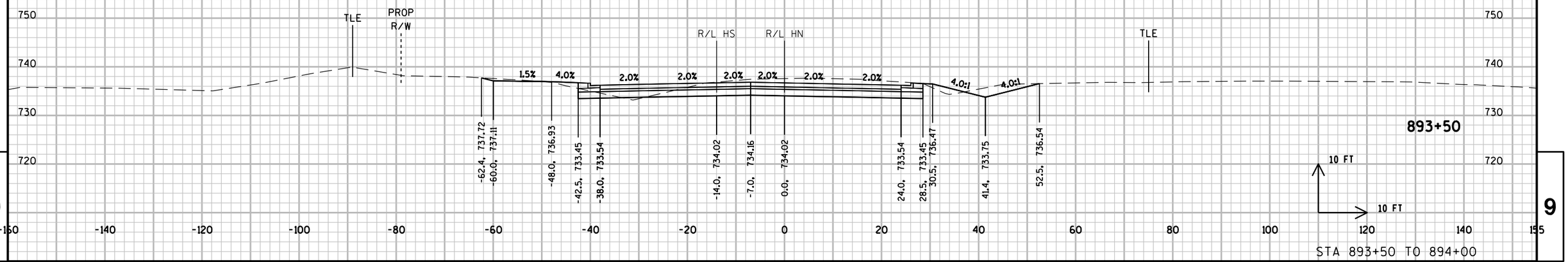
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STA 892+50 TO 893+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\20376500D018_SMN_02.dgn PLOT DATE : 8/23/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21





STA 893+50 TO 894+00

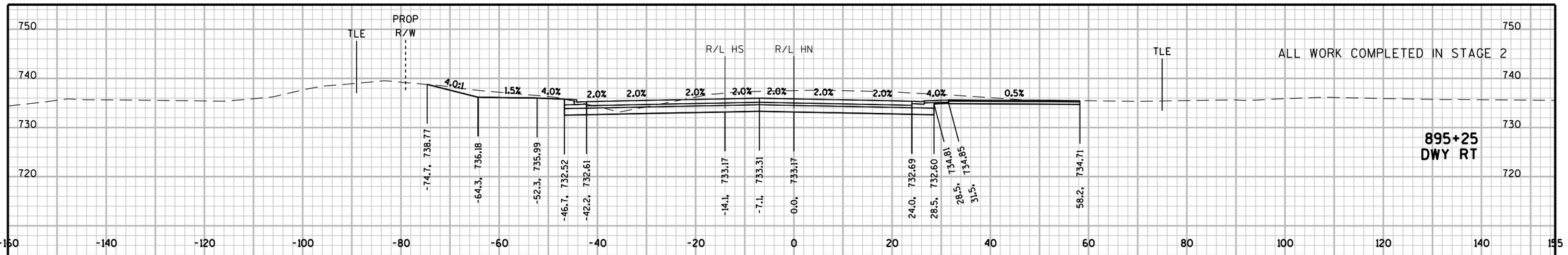
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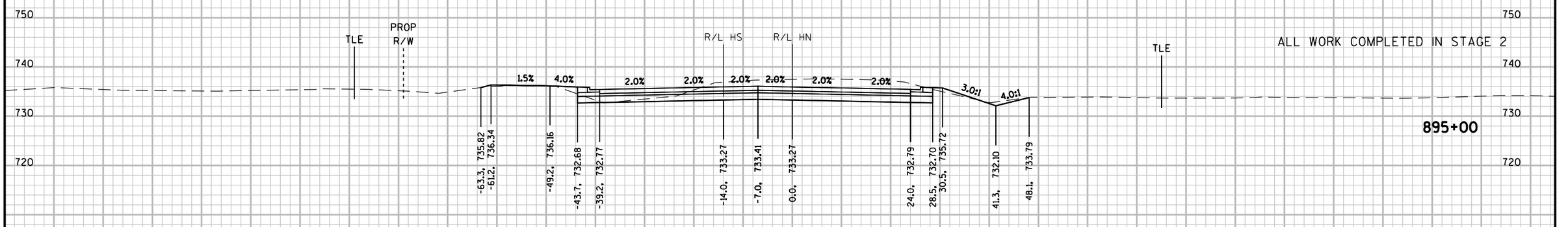
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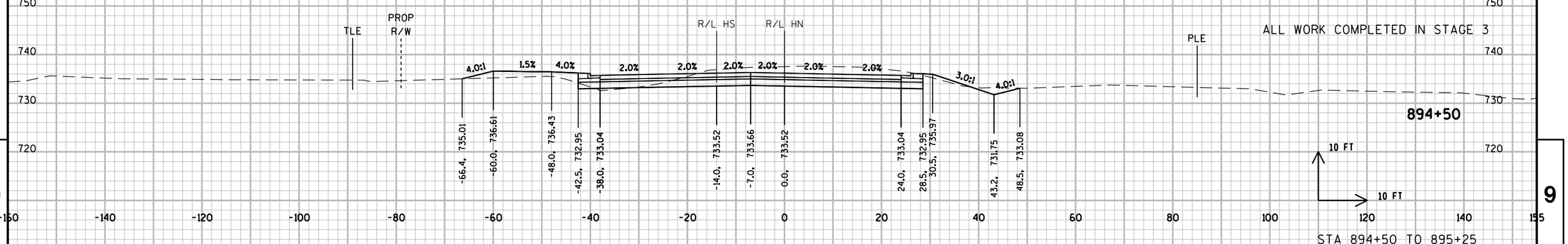
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 768	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 7:00:01 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21







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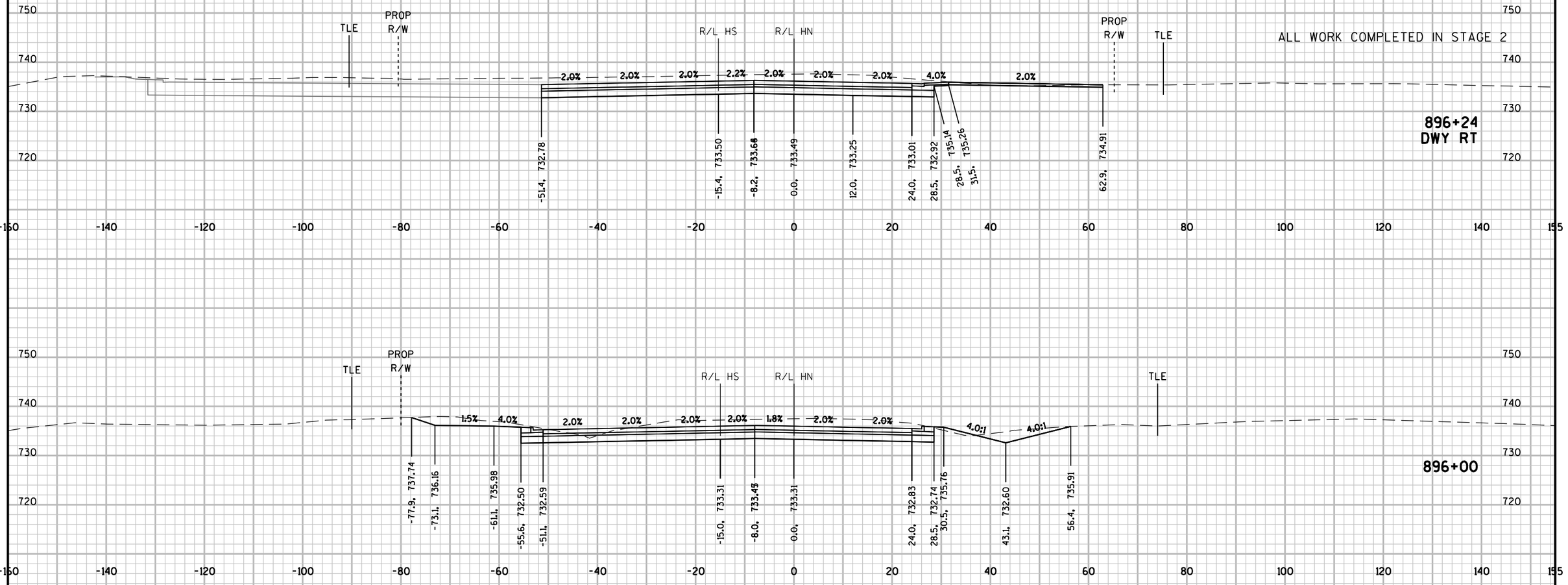
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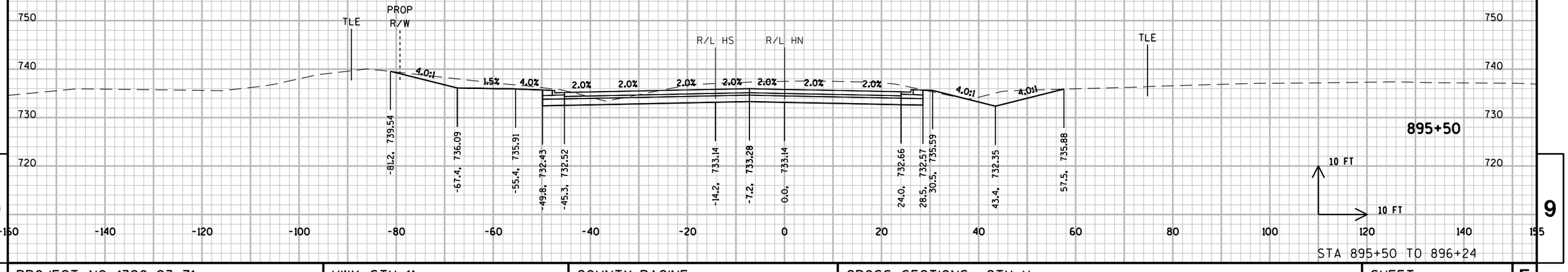
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2025 7:50:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 2

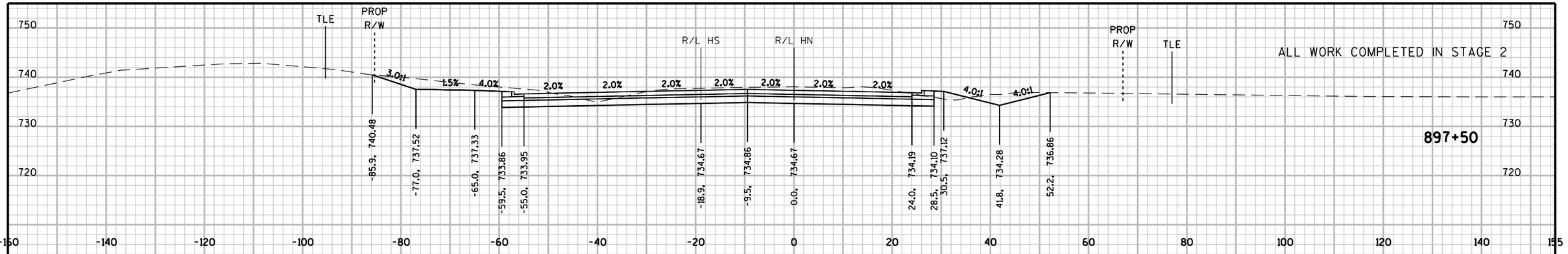


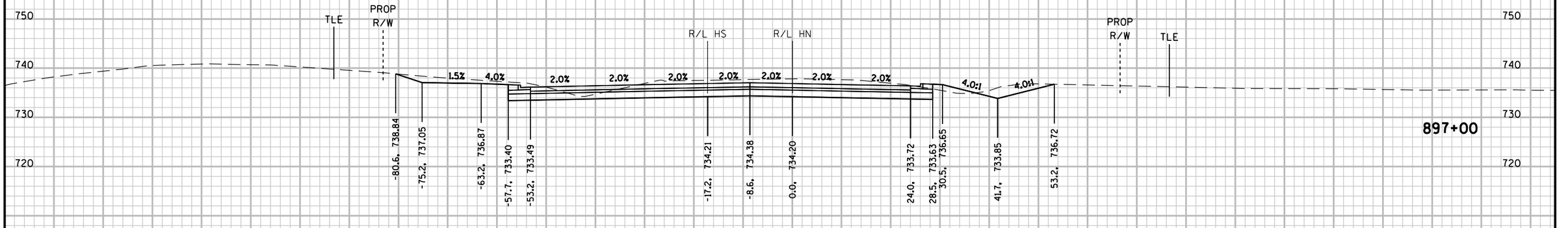


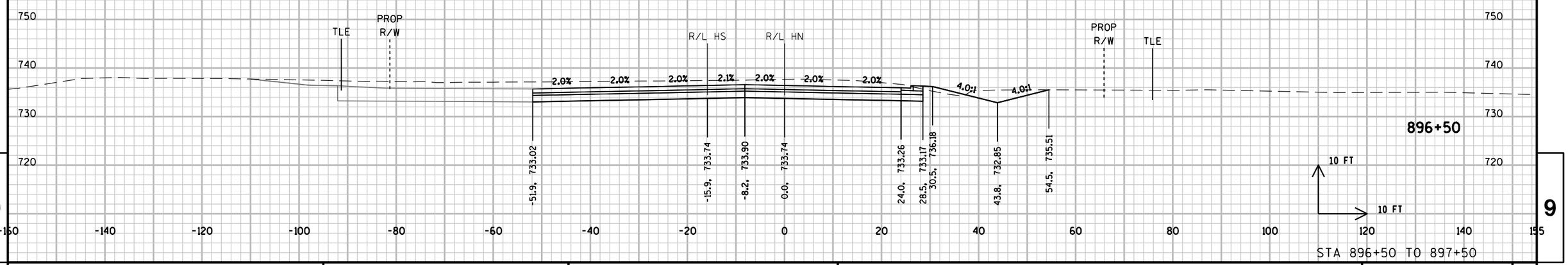
STA 895+50 TO 896+24

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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 770 E







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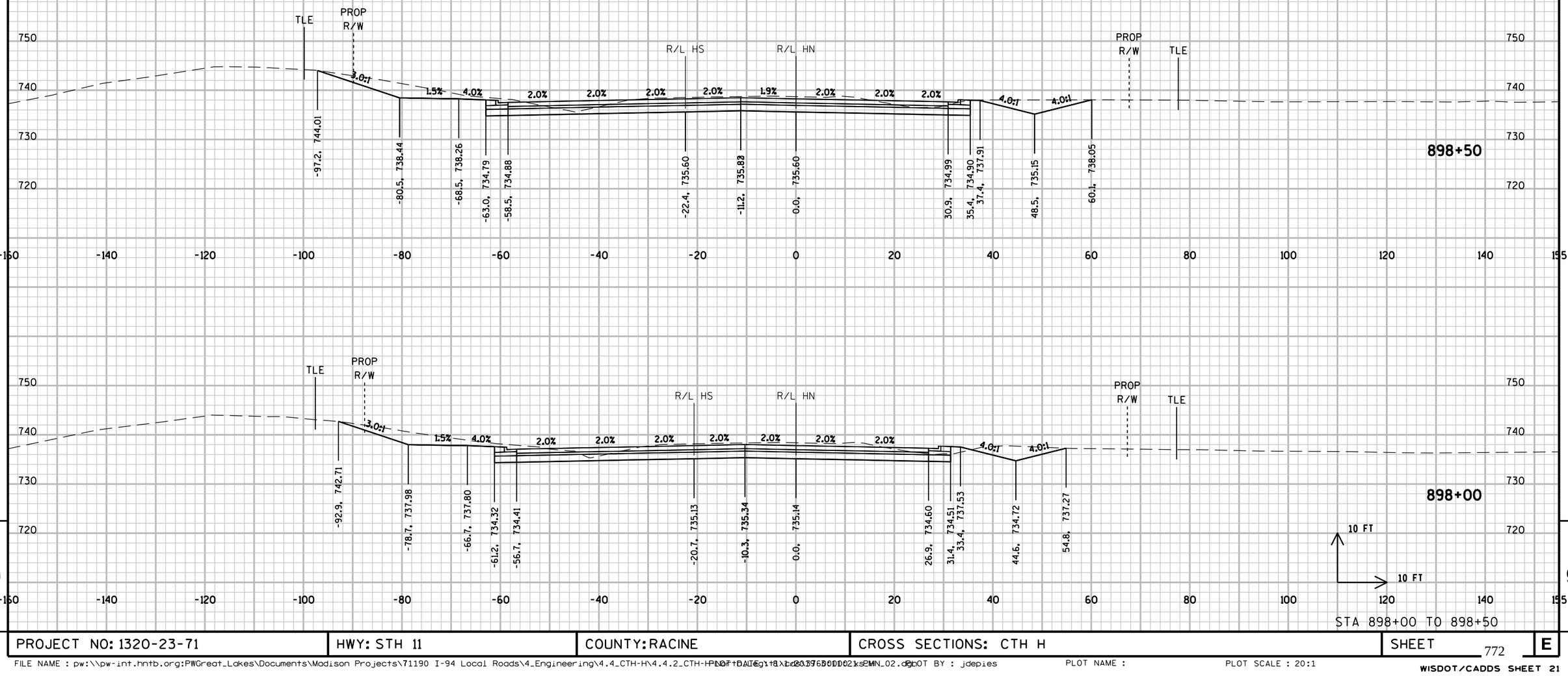
STA 896+50 TO 897+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 771	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\20376500D0020xSMN_02.dgn PLOT DATE : 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 2



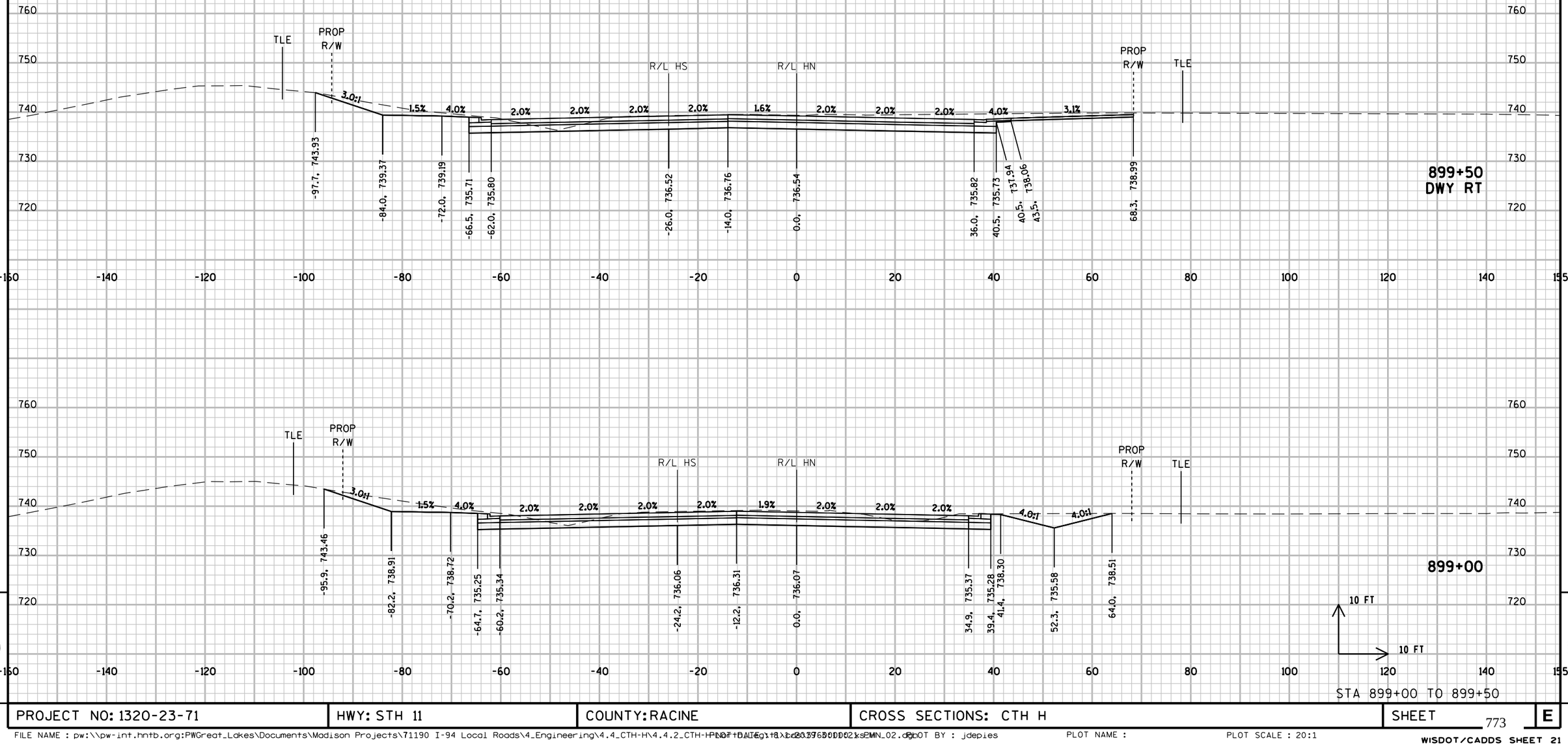
STA 898+00 TO 898+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 772	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PROFILE\s1320376500D002ksPMN_02.dgn PLOT DATE : 8/12/2025 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 2



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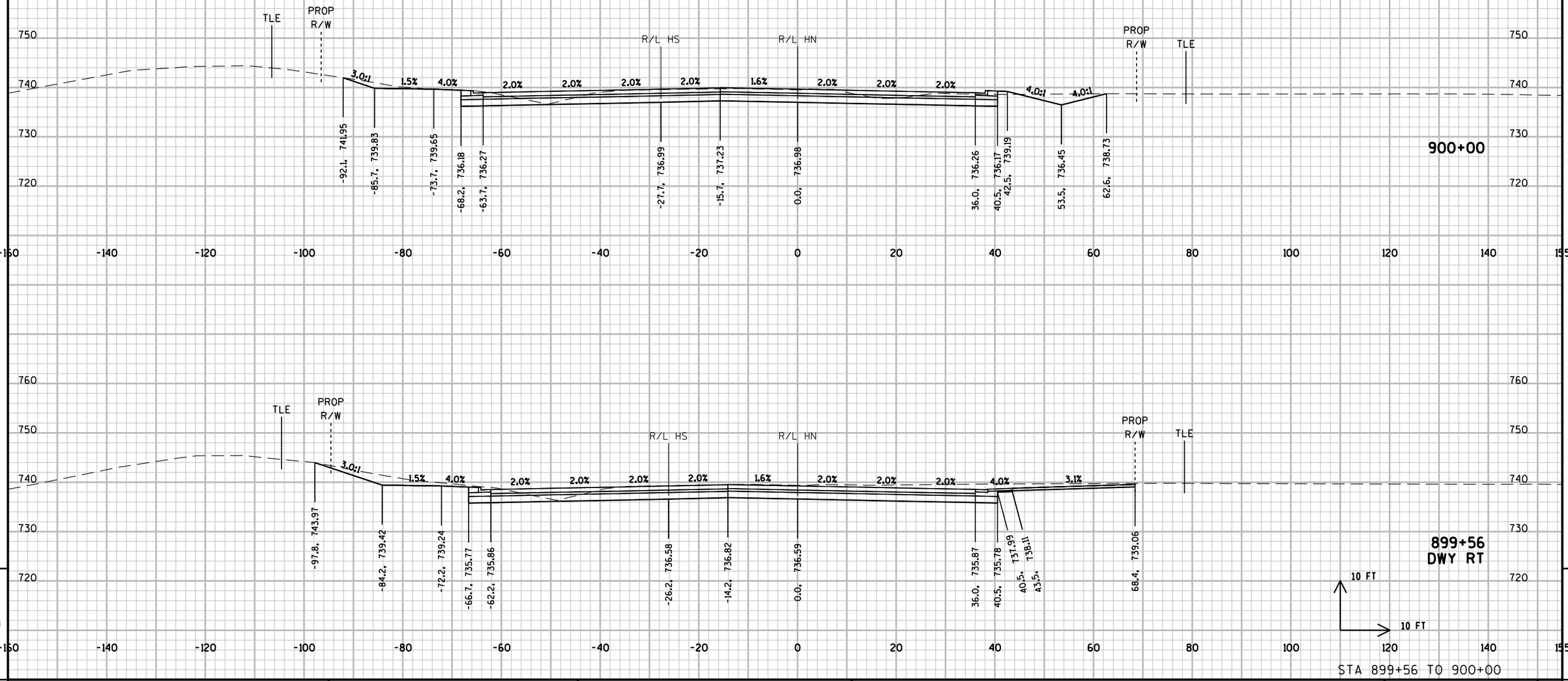
STA 899+00 TO 899+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 773	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 12/20/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 2



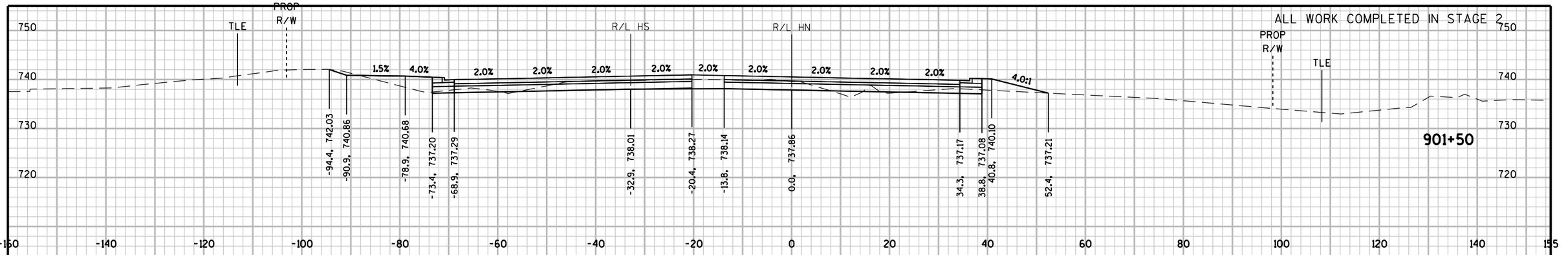
STA 899+56 TO 900+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 774 E

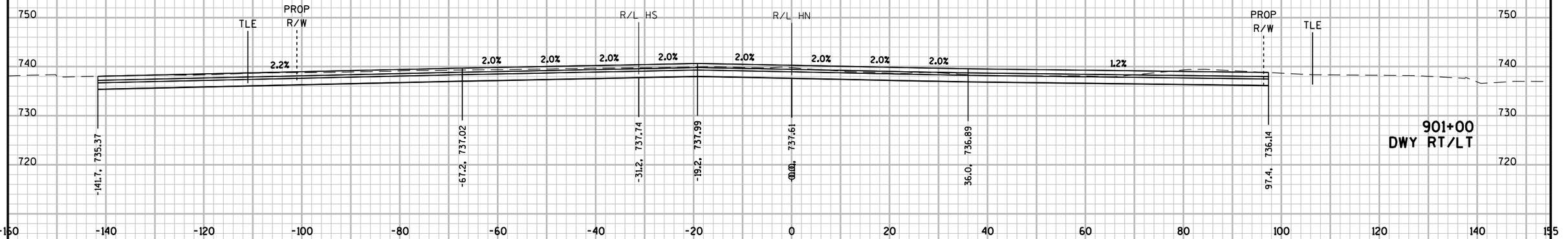
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PMN_02.dgn PLOT DATE: 8/1/2025 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

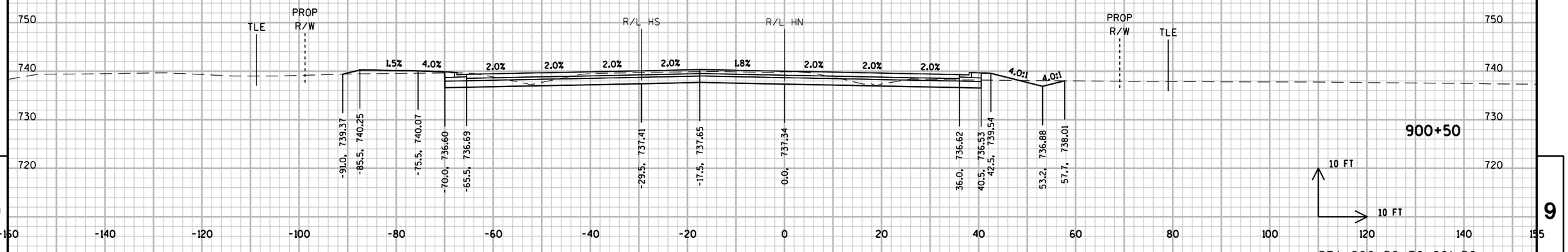
ALL WORK COMPLETED IN STAGE 2



901+50



901+00
DWY RT/LT



900+50

STA 900+50 TO 901+50

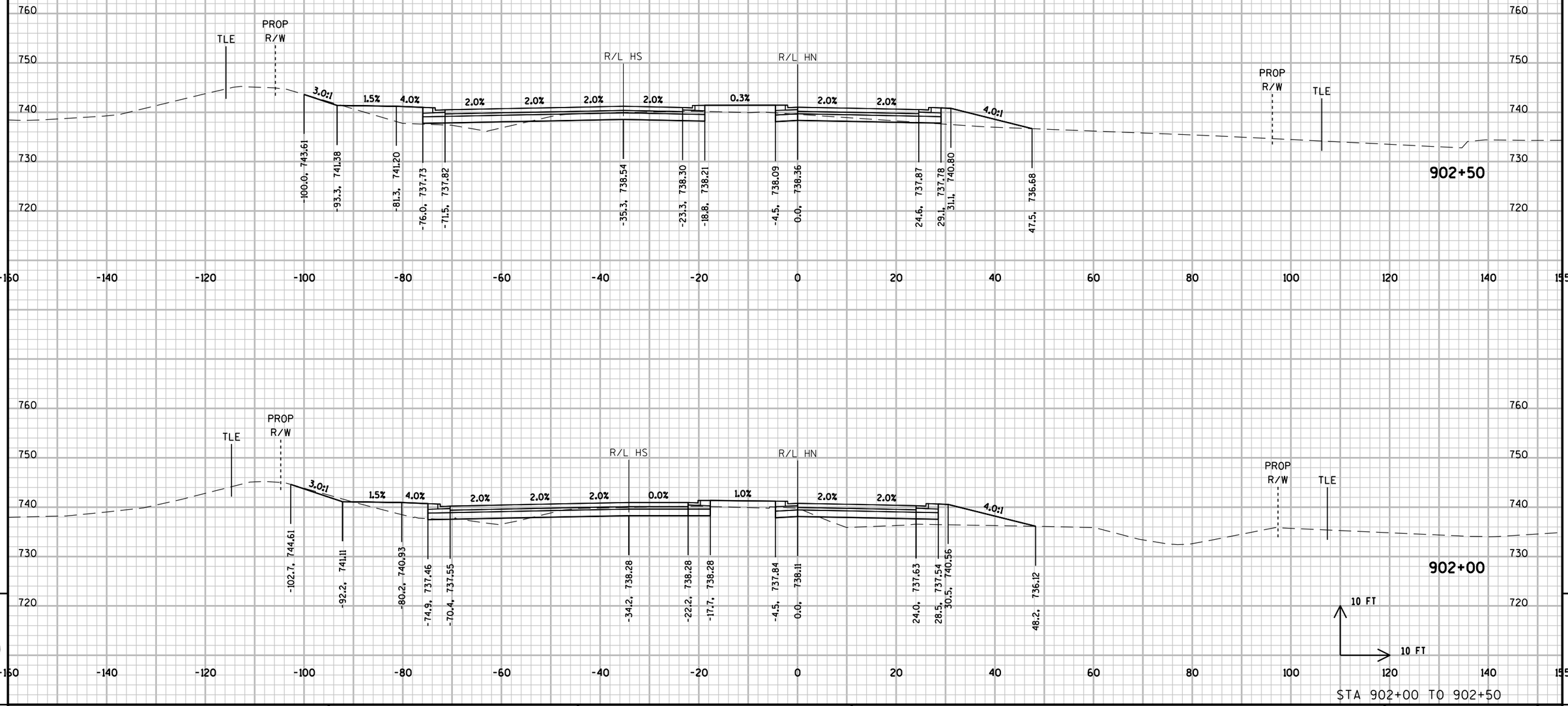
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 775	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PMP_Plots\Plots\Plots_20250625\D0000023xsPMN_02.dgn PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 2



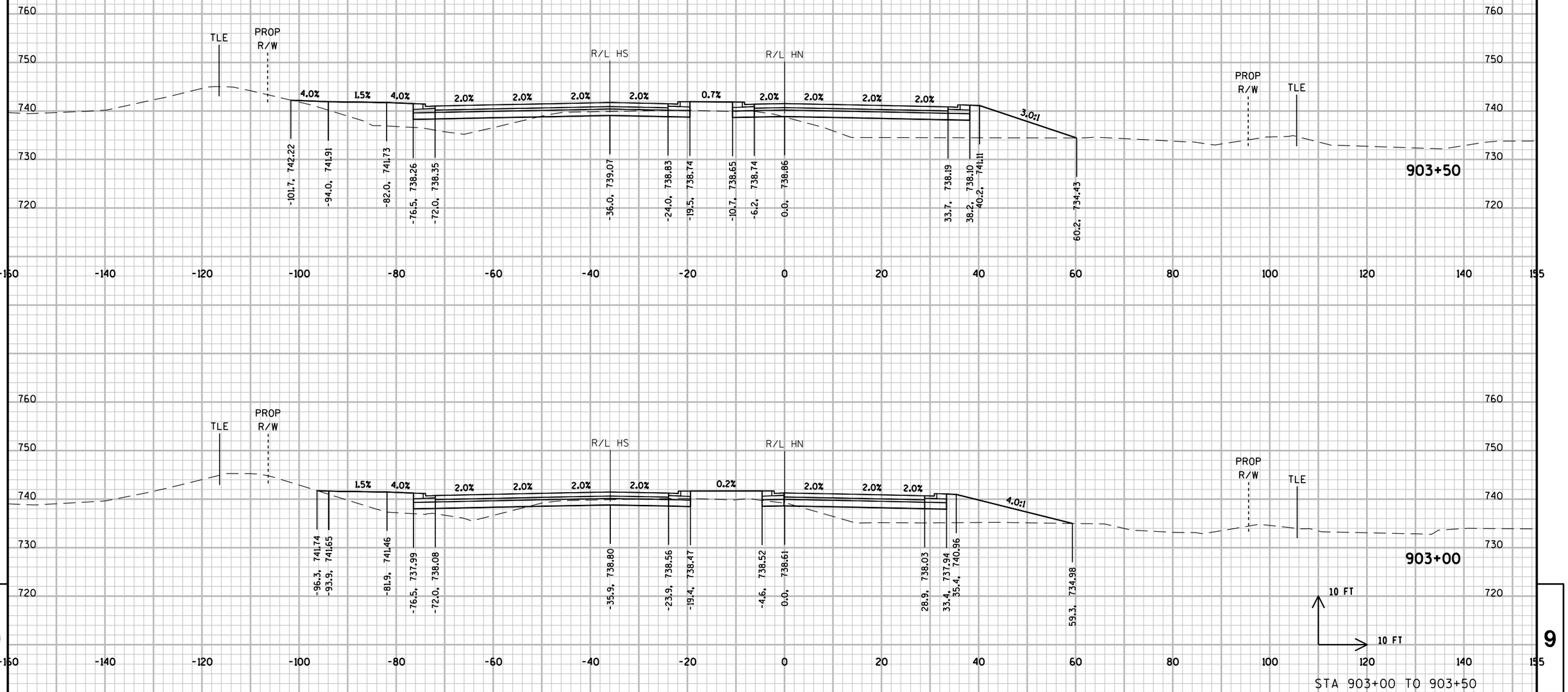
STA 902+00 TO 902+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 776 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/12/2025 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 2



9

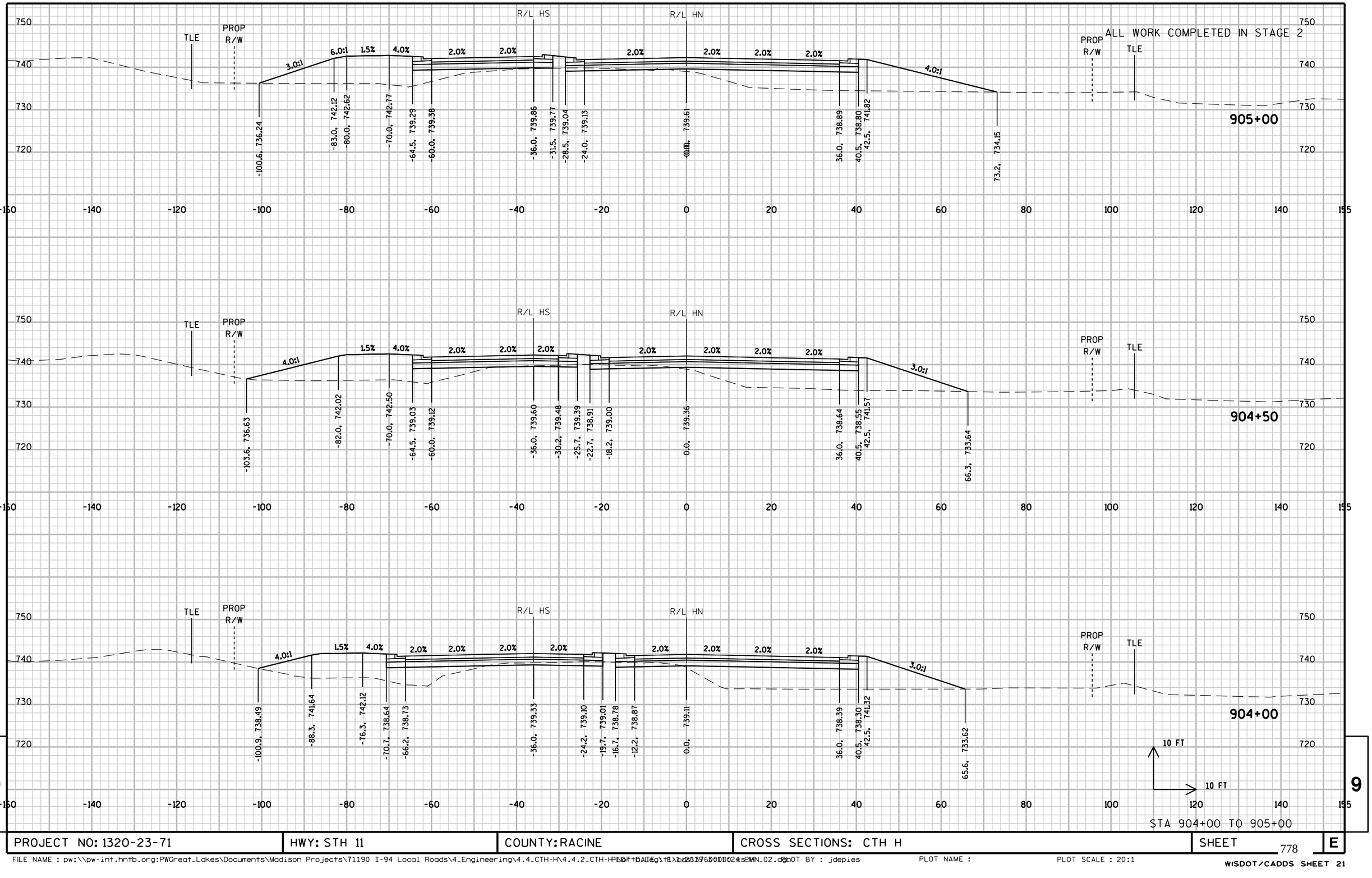
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STA 903+00 TO 903+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 777	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2025 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

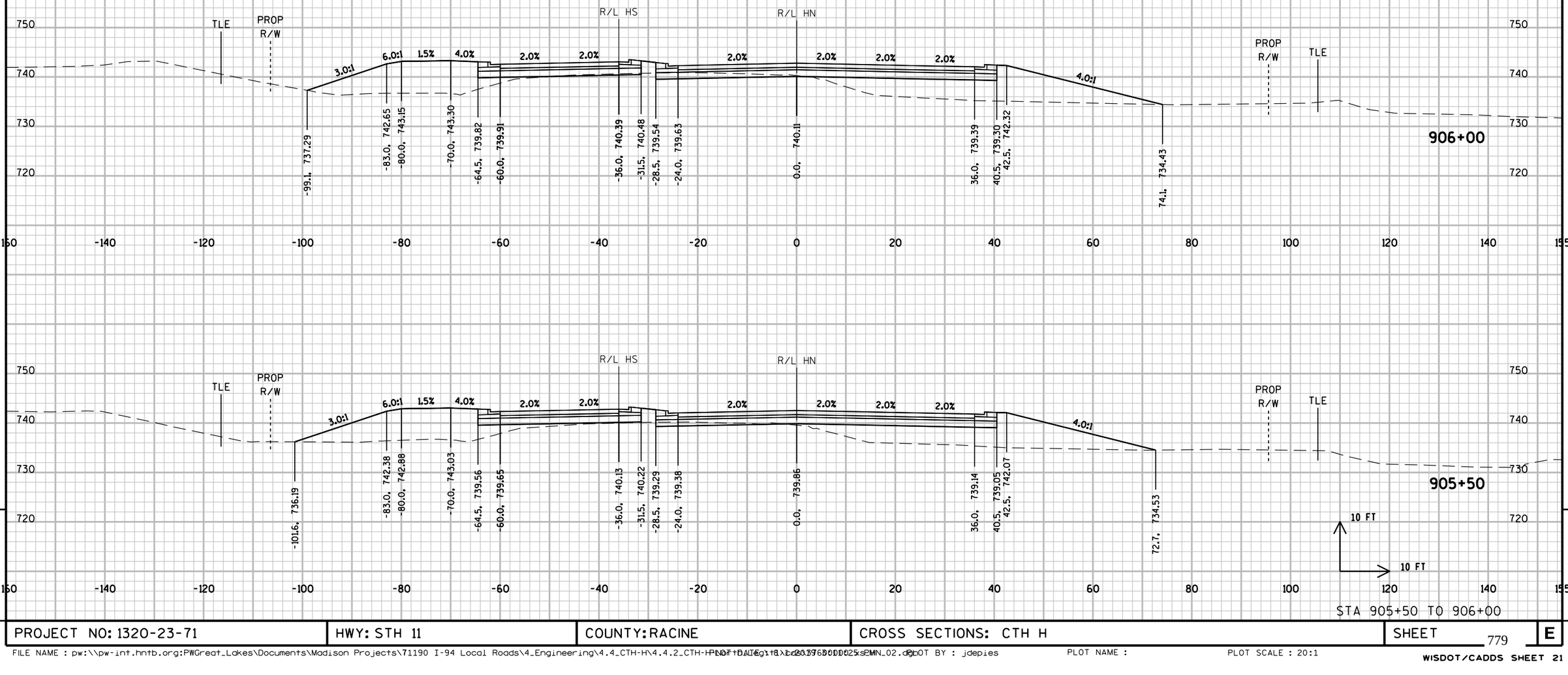
WISDOT/CADDS SHEET 21



9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 778	E

ALL WORK COMPLETED IN STAGE 2



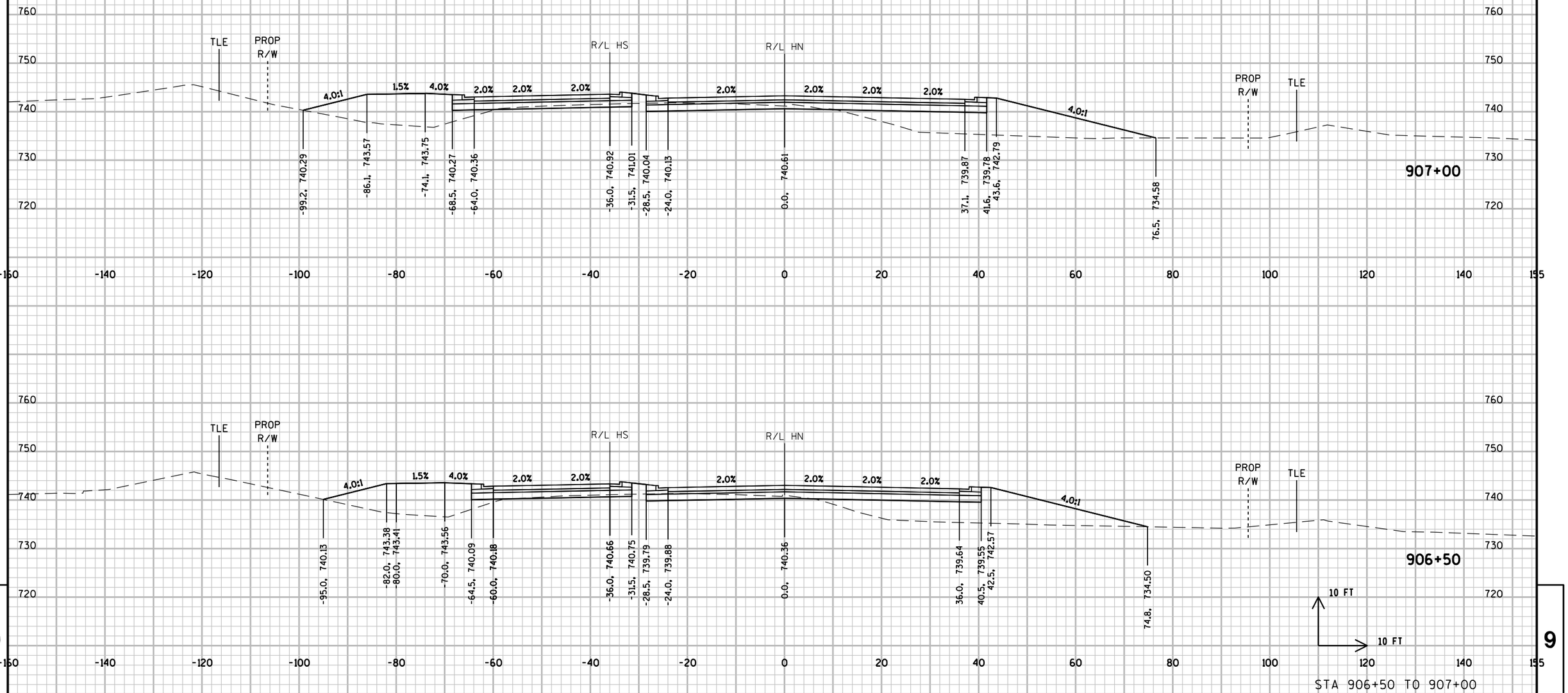
STA 905+50 TO 906+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 779	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 2



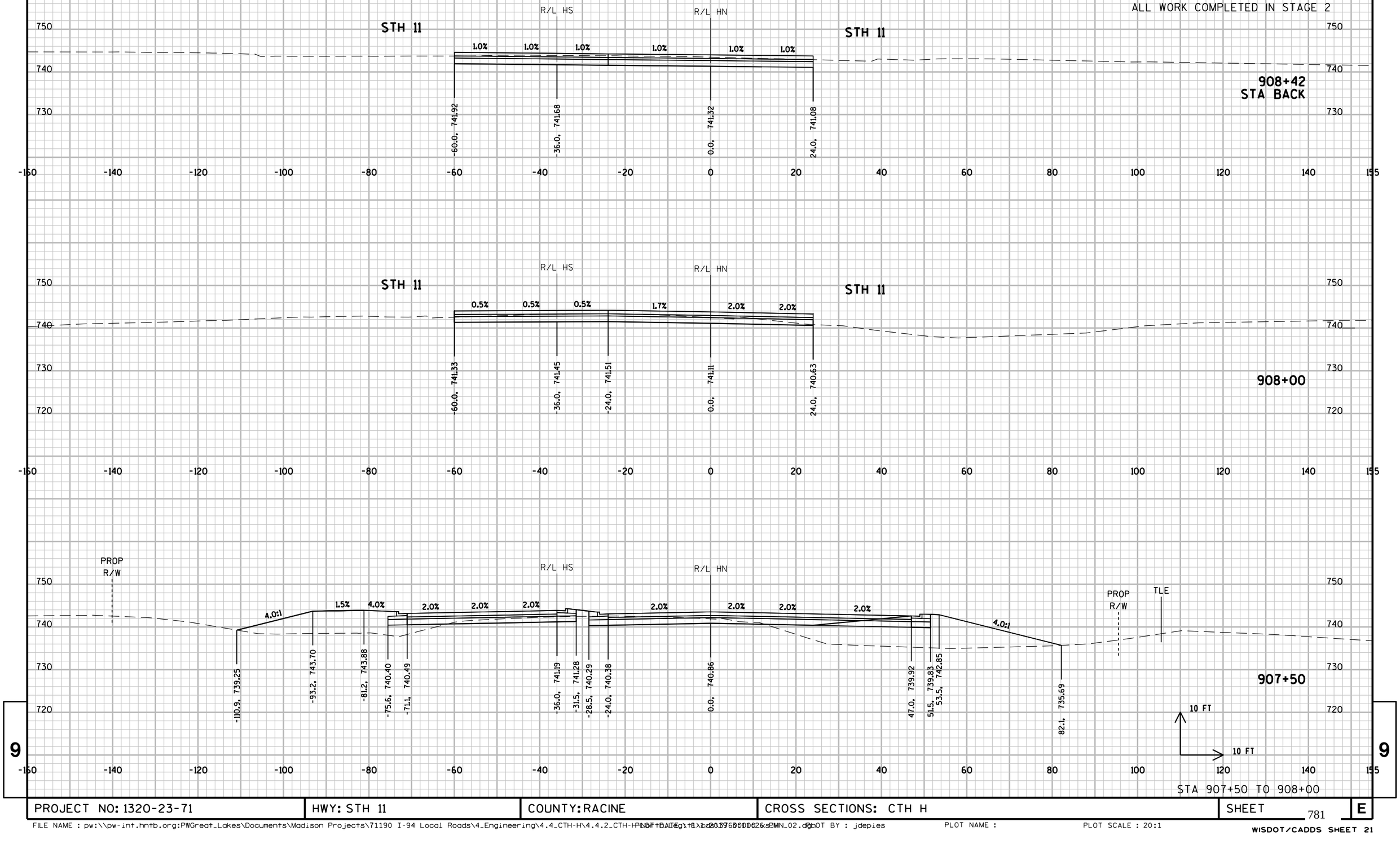
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 780	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\1320765000D025xSMN_02.dgn PLOT DATE: 8/1/2025 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 2



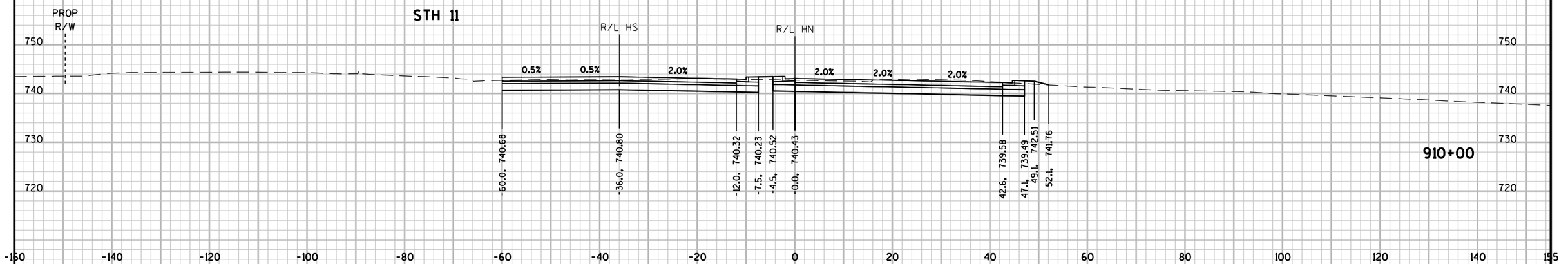
STA 907+50 TO 908+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 781	E

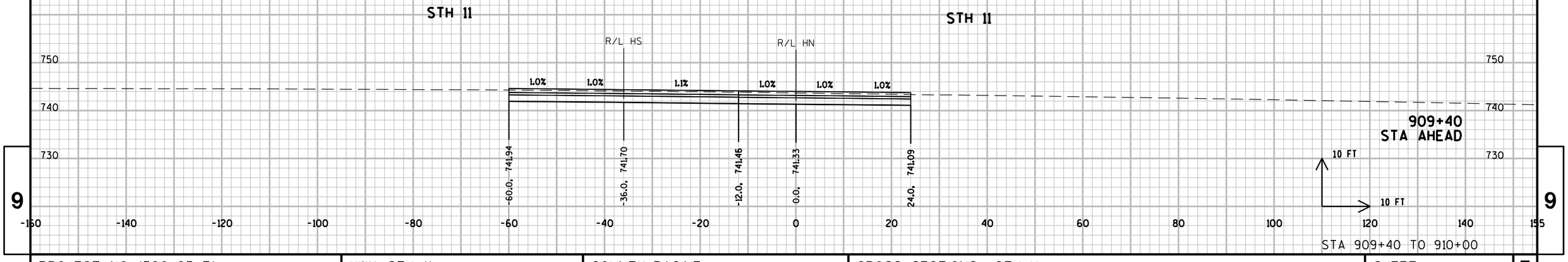
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\20376500026sPMN_02.dgn PLOT DATE : 8/26/2021 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1







9

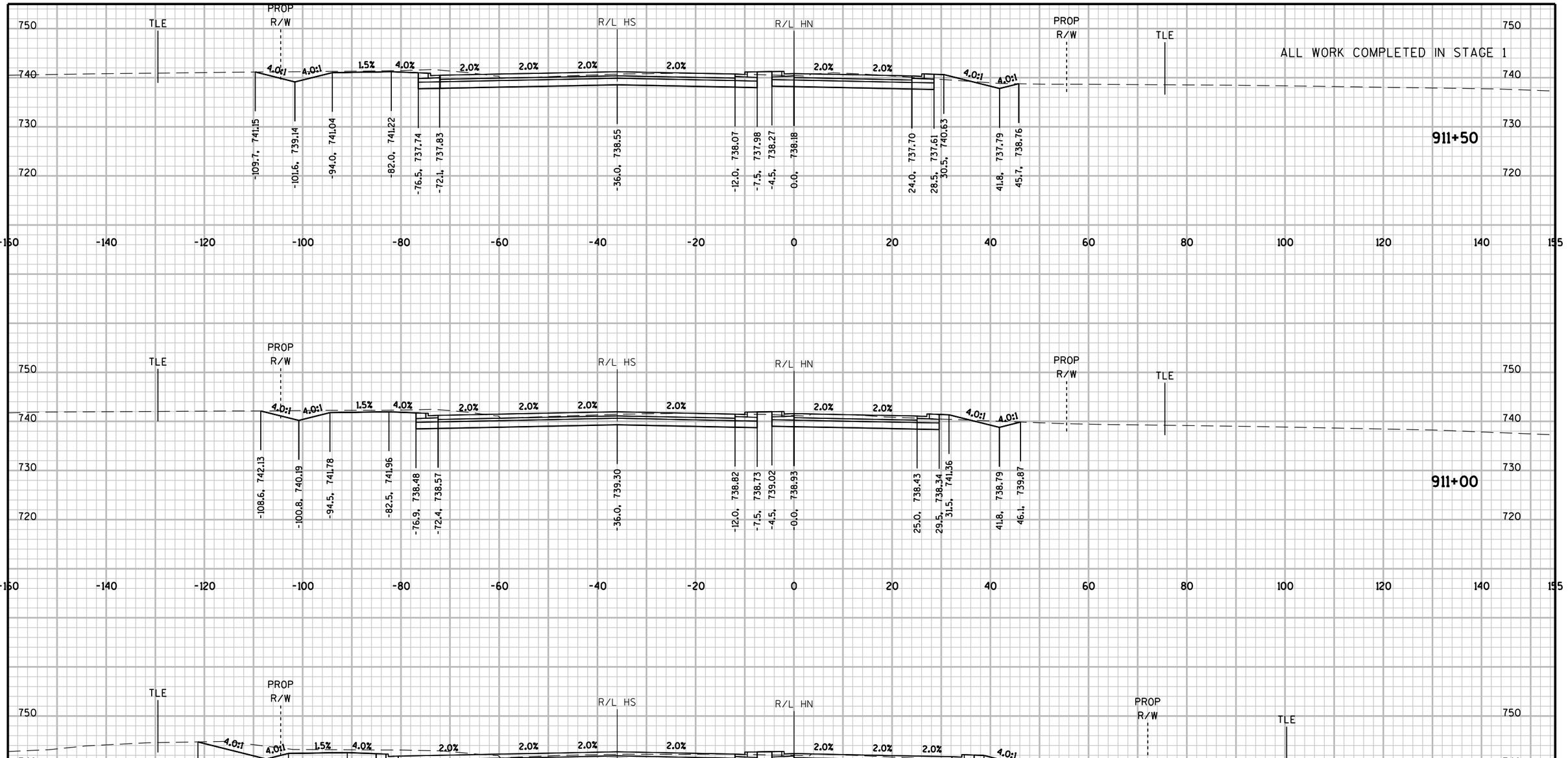
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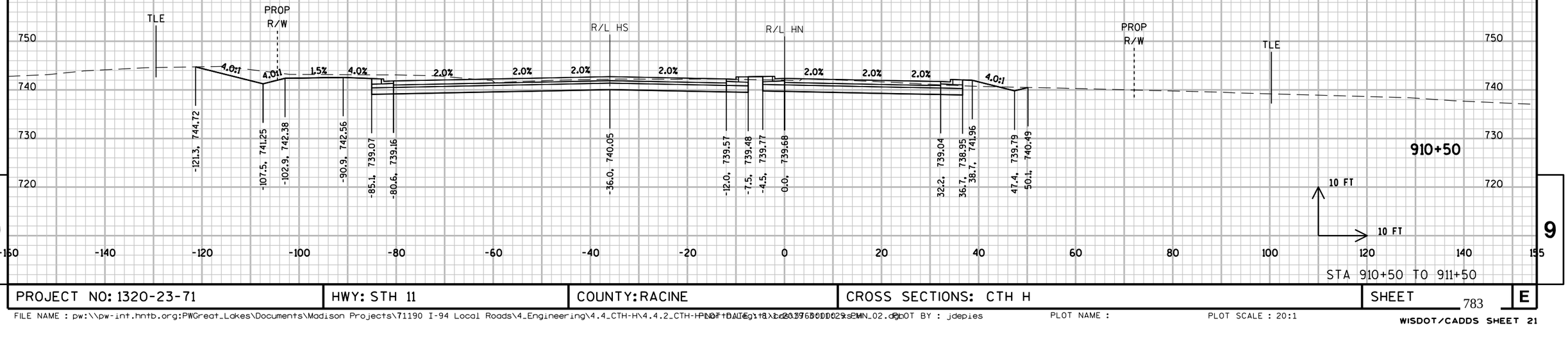
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 782	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2025 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



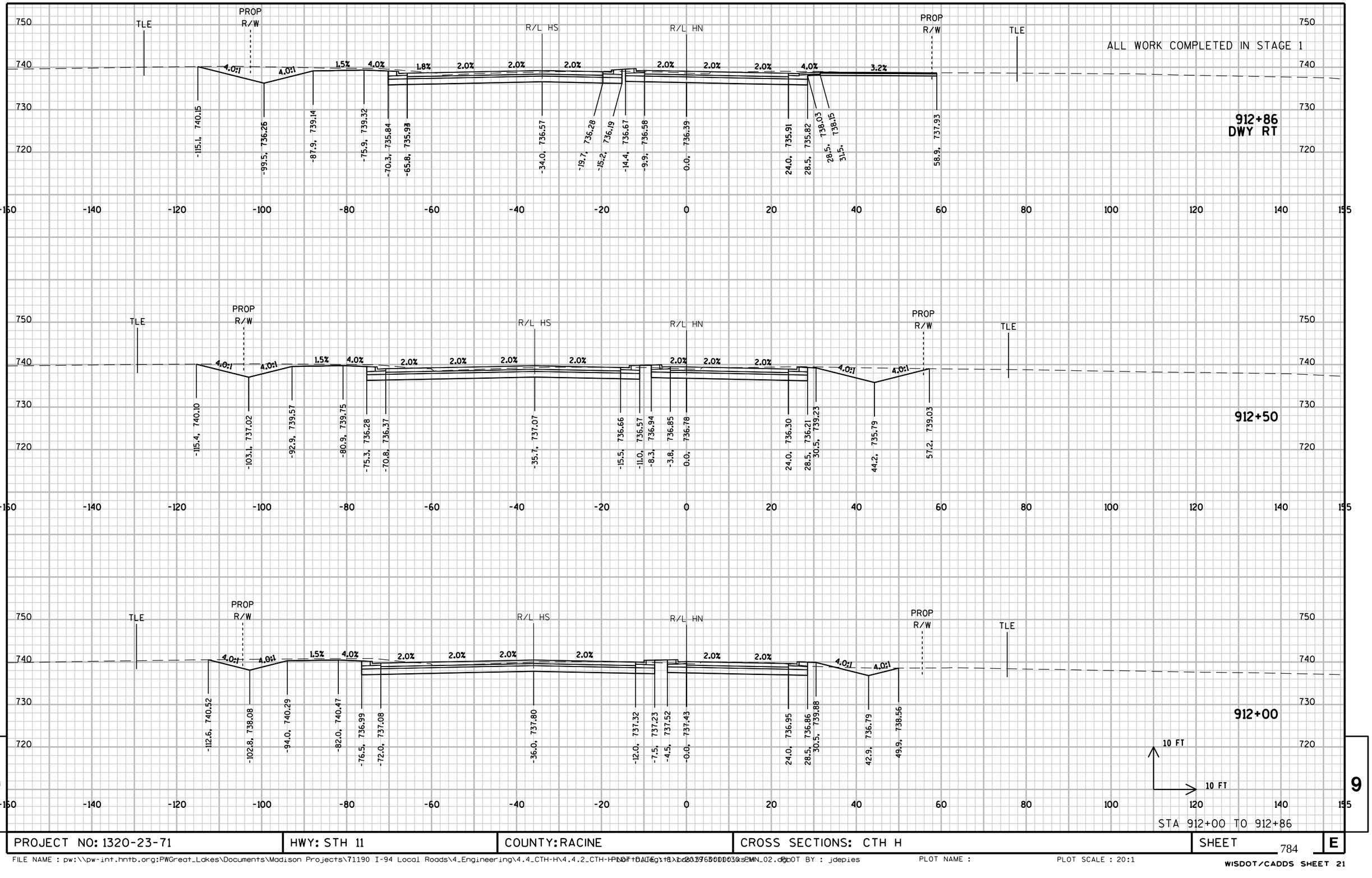


9

9

STA 910+50 TO 911+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 783 E



9

9

STA 912+00 TO 912+86

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\Sheets\71190_CTH_H_PP_SHEET_MN_02.dgn PLOT DATE : 8/26/2025 8:00:03 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1

914+00

913+50

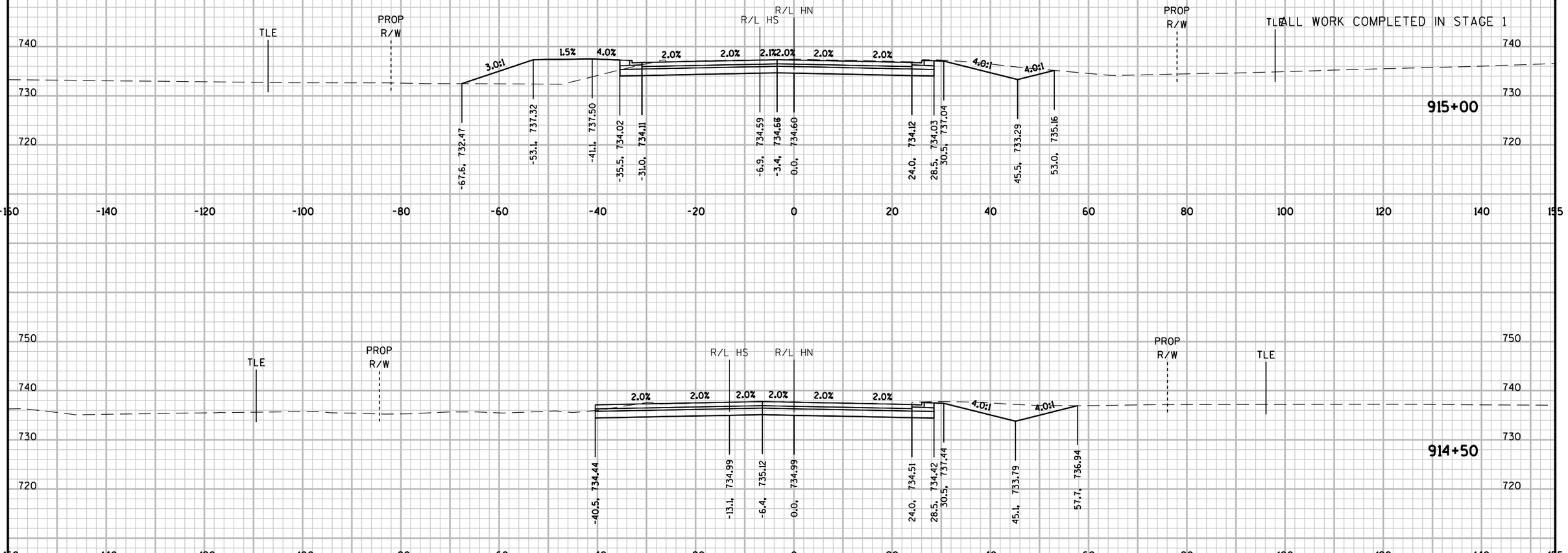
913+00

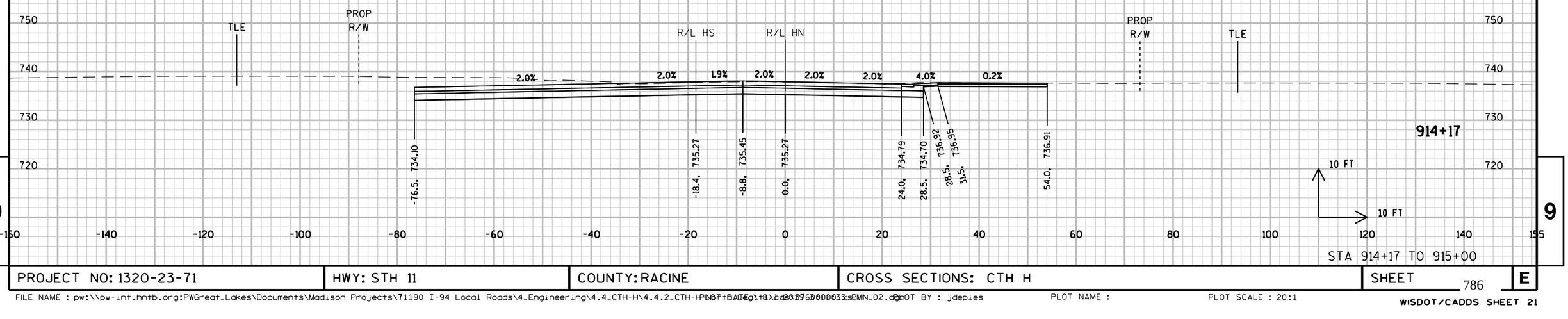
STA 913+00 TO 914+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 785 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\20376000032_SMN_02.dgn PLOT DATE : 8/12/2024 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1

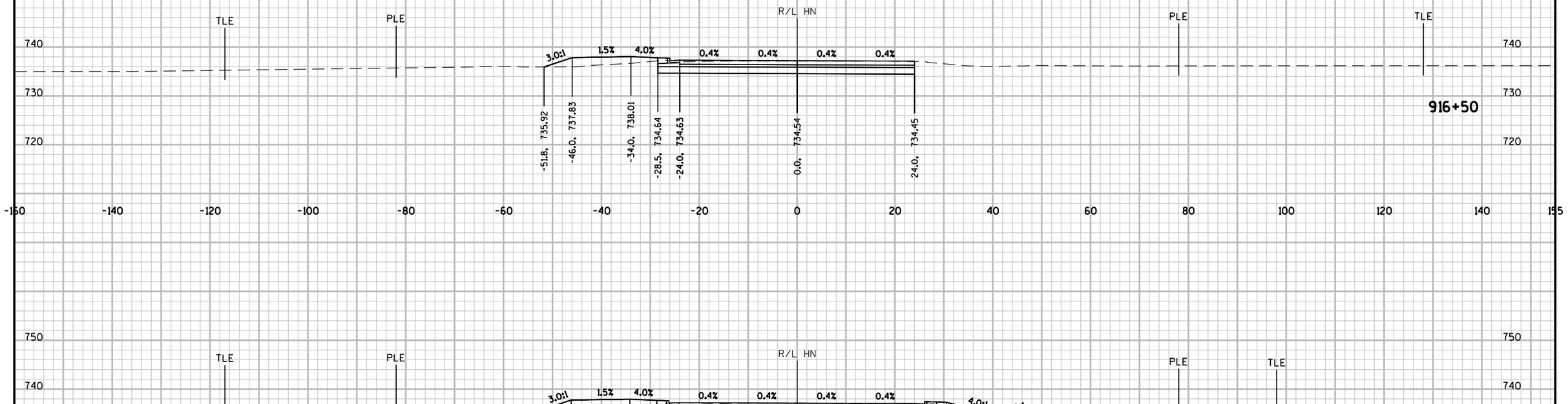


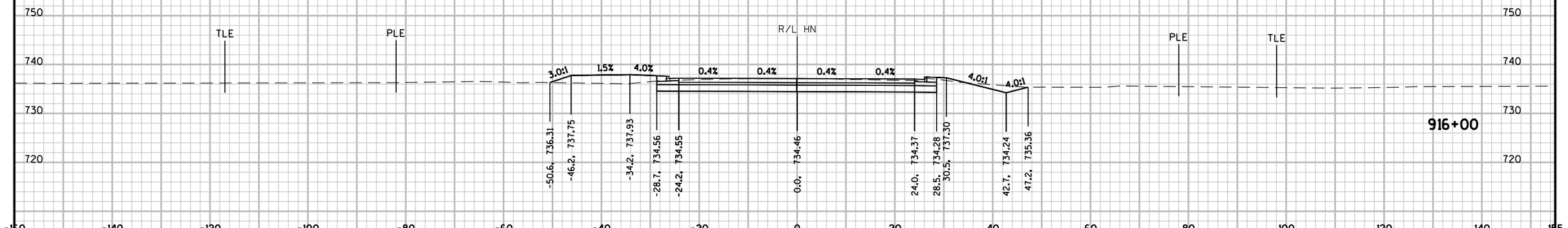


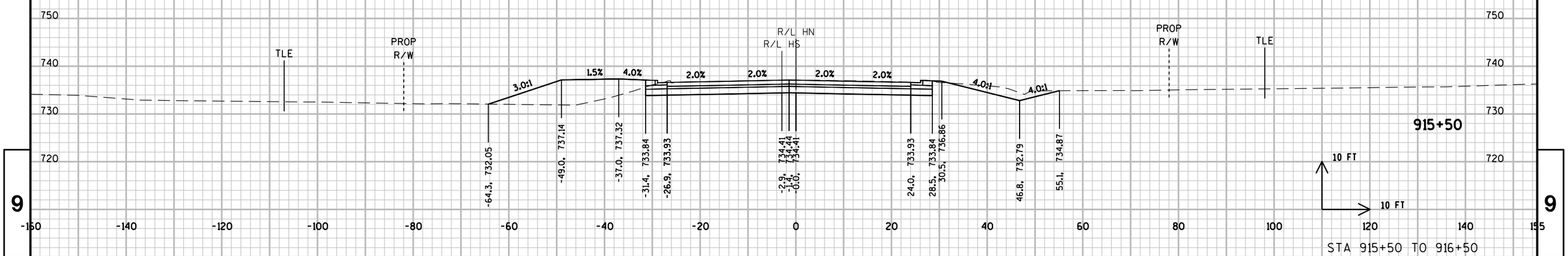
STA 914+17 TO 915+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 786	E

ALL WORK COMPLETED IN STAGE 1







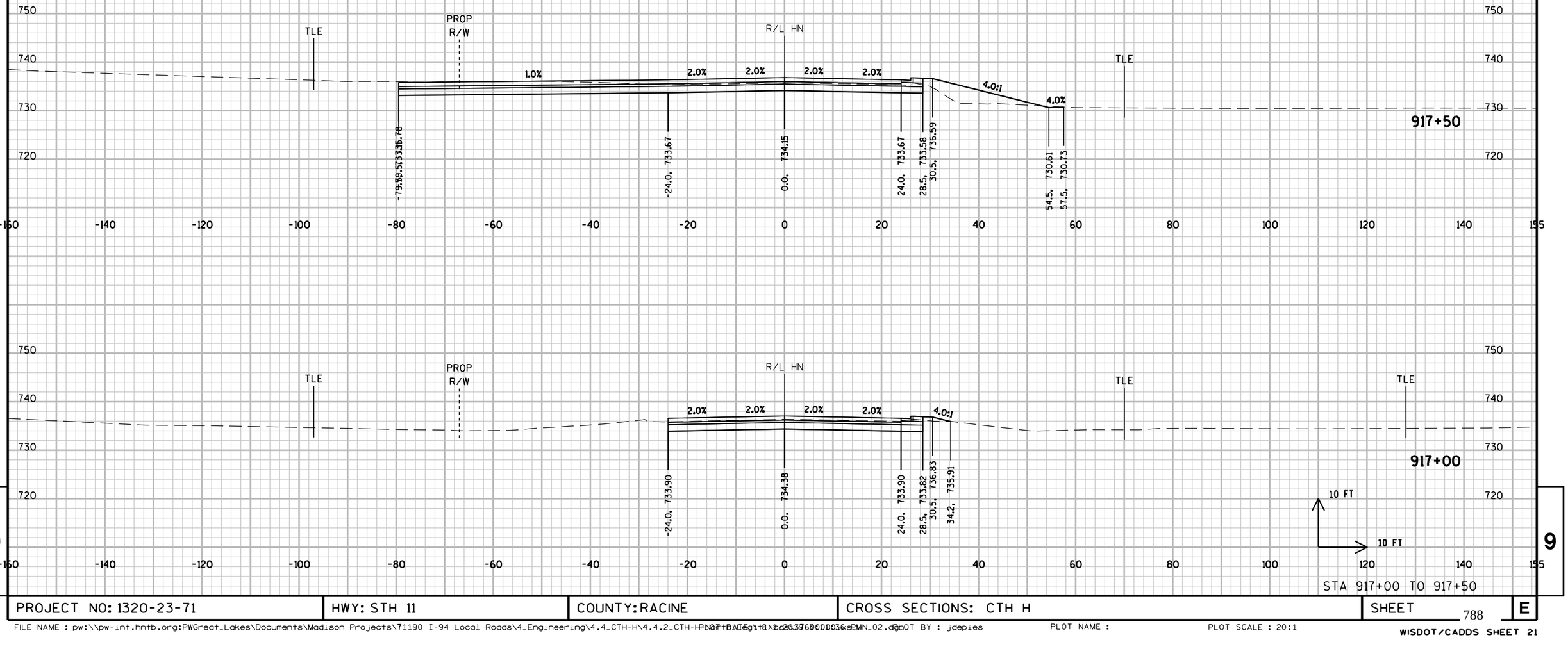
STA 915+50 TO 916+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 787	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



STA 917+00 TO 917+50

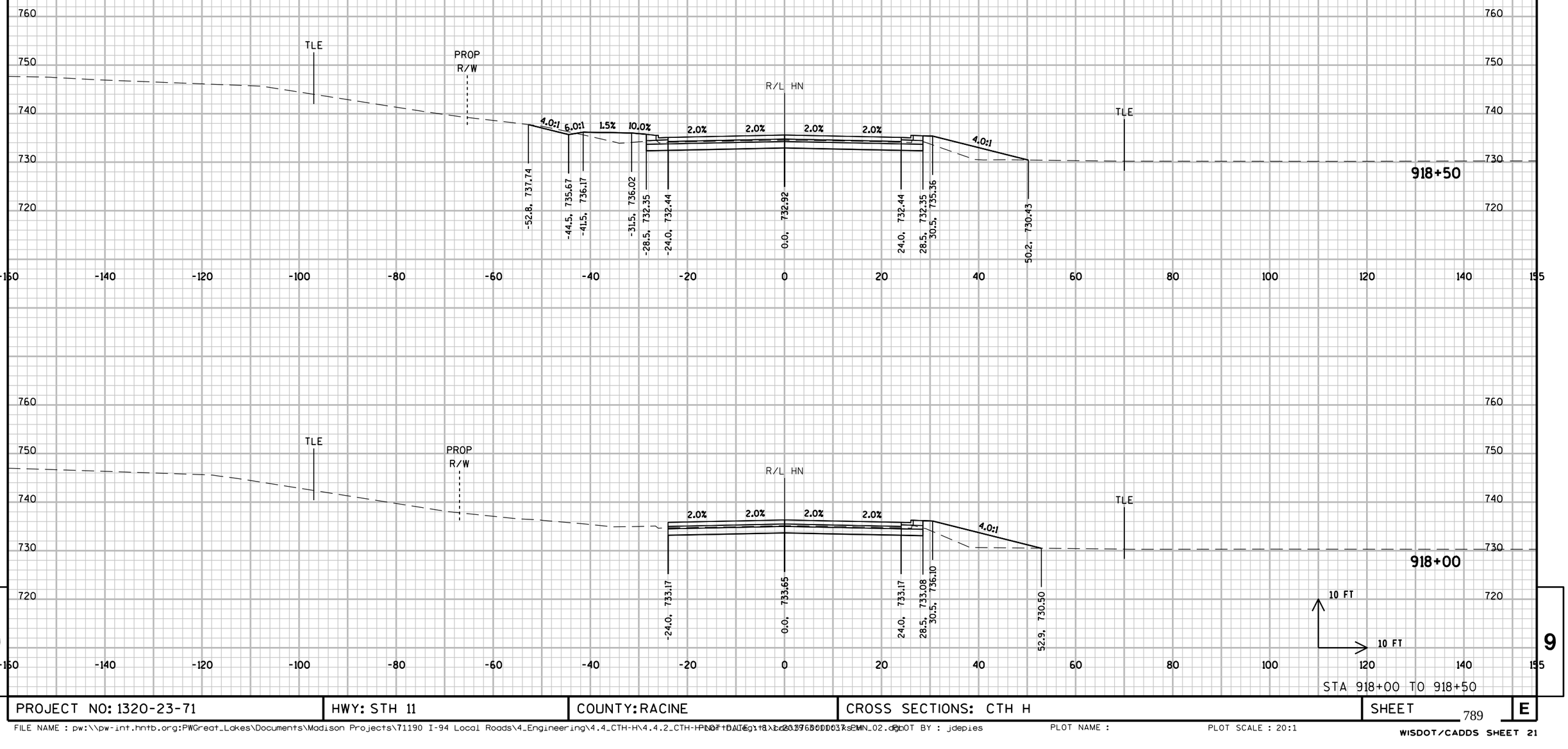
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 788	E

9 9

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/12/2025 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



9

9

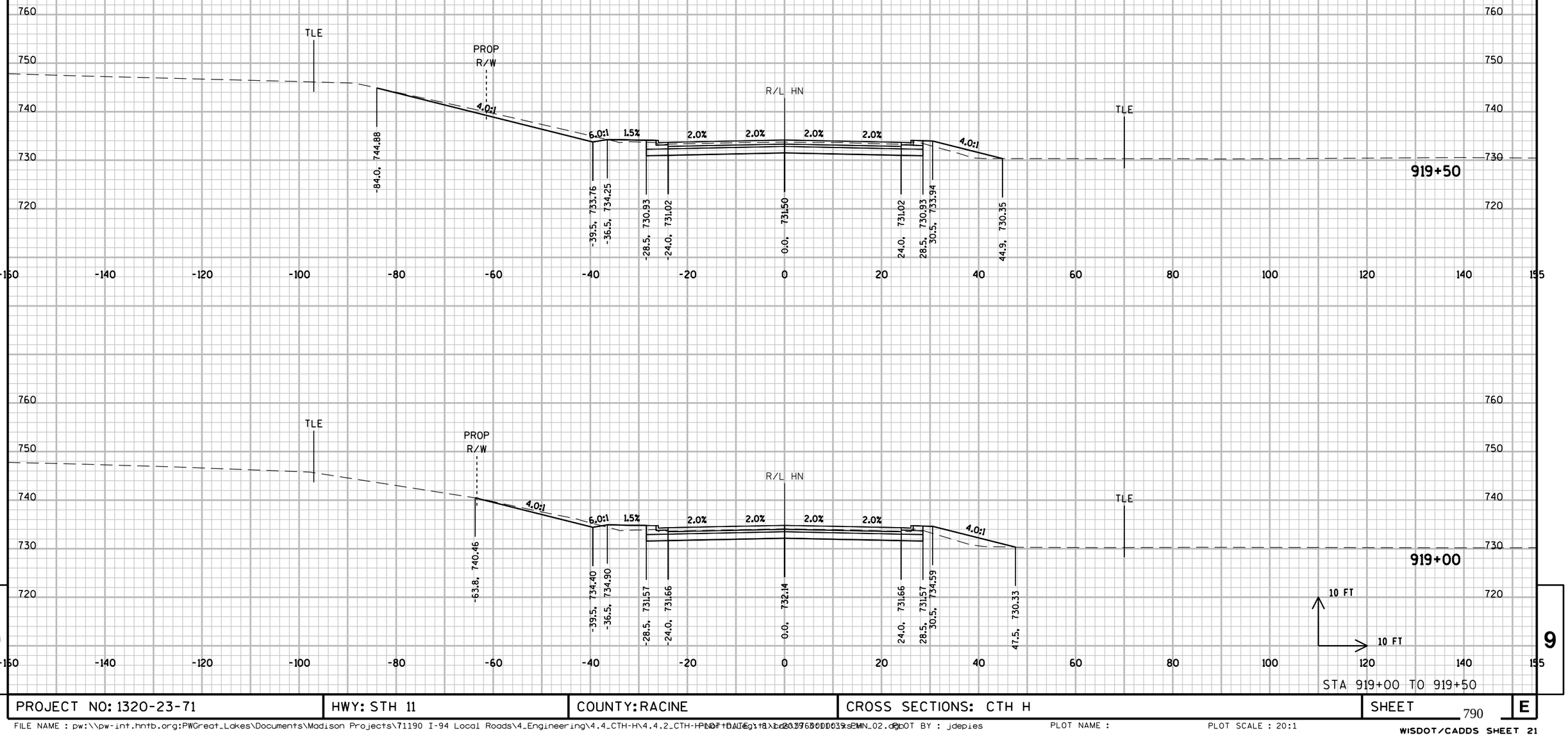
STA 918+00 TO 918+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\Sheets\PMN_02.dgn PLOT DATE : 8/23/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



9

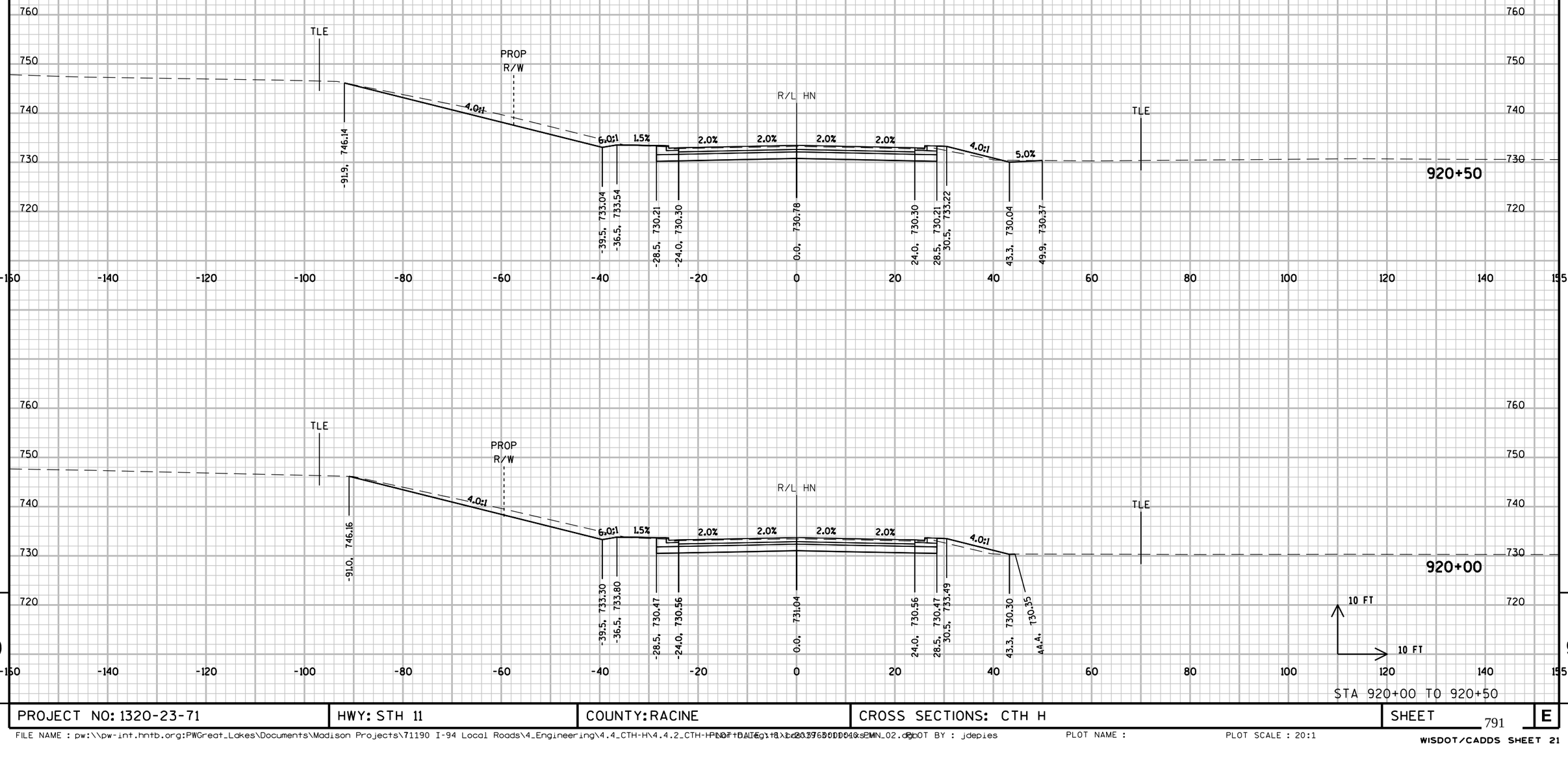
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 790	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/23/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



9

9

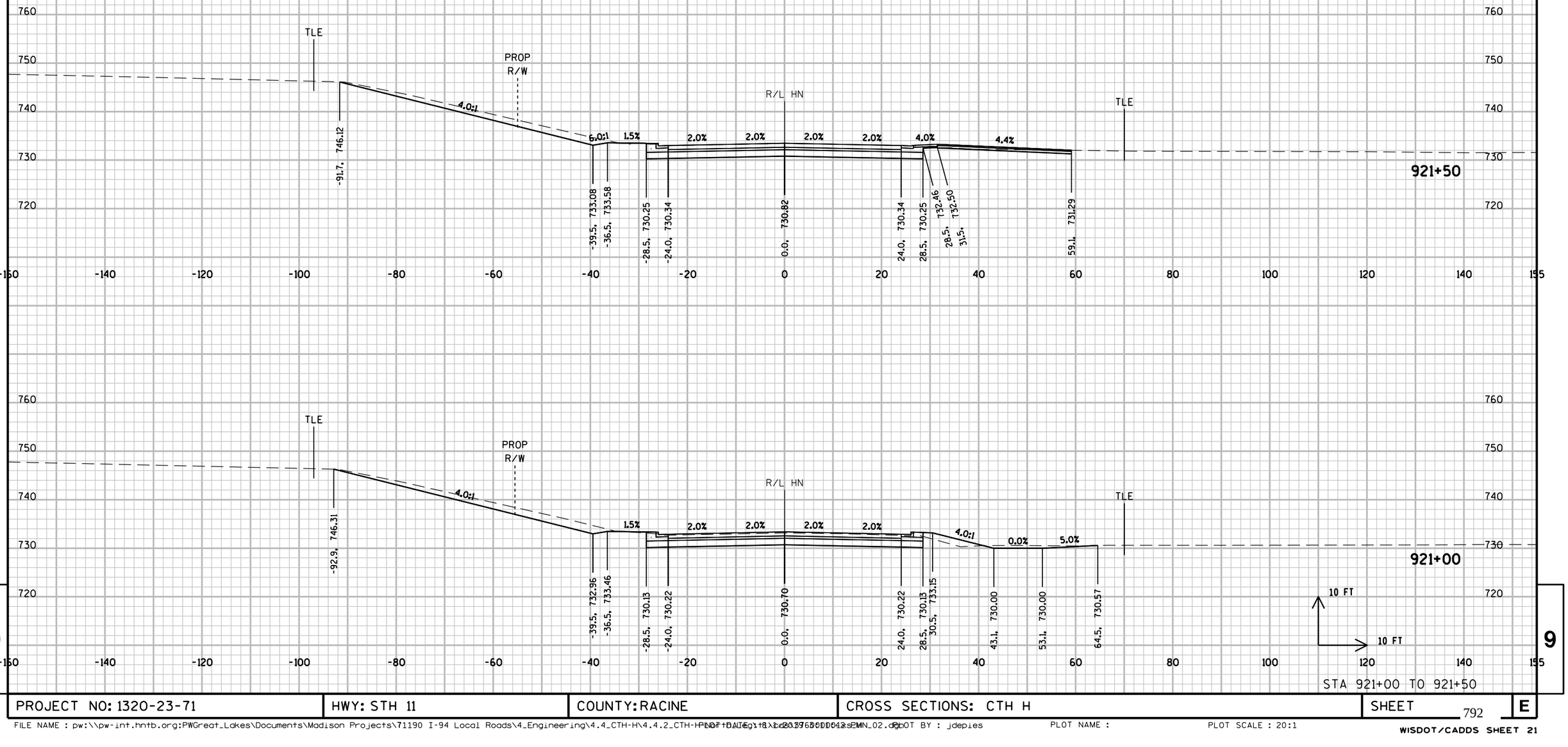
STA 920+00 TO 920+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2025 7:50:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



9

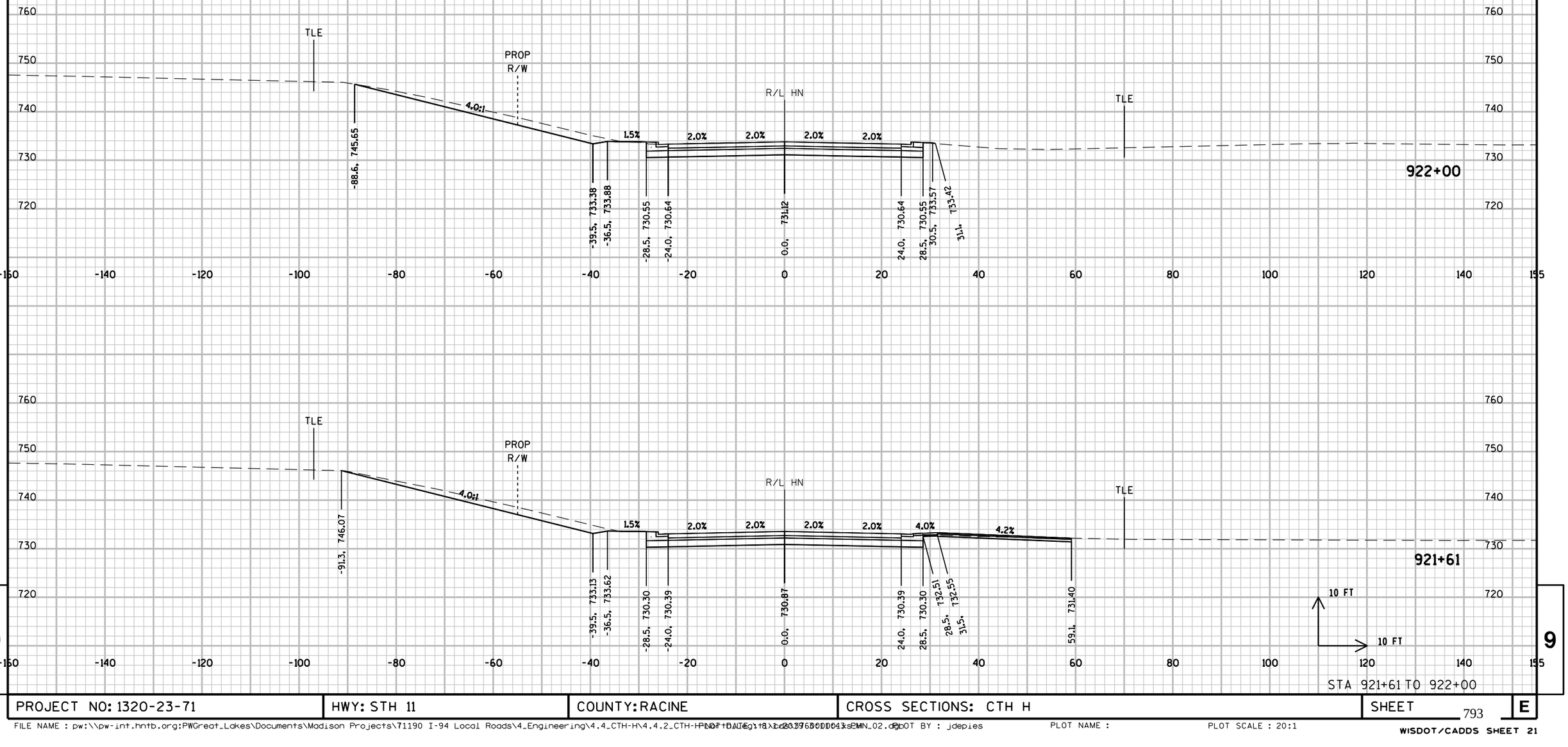
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2025 7:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



9

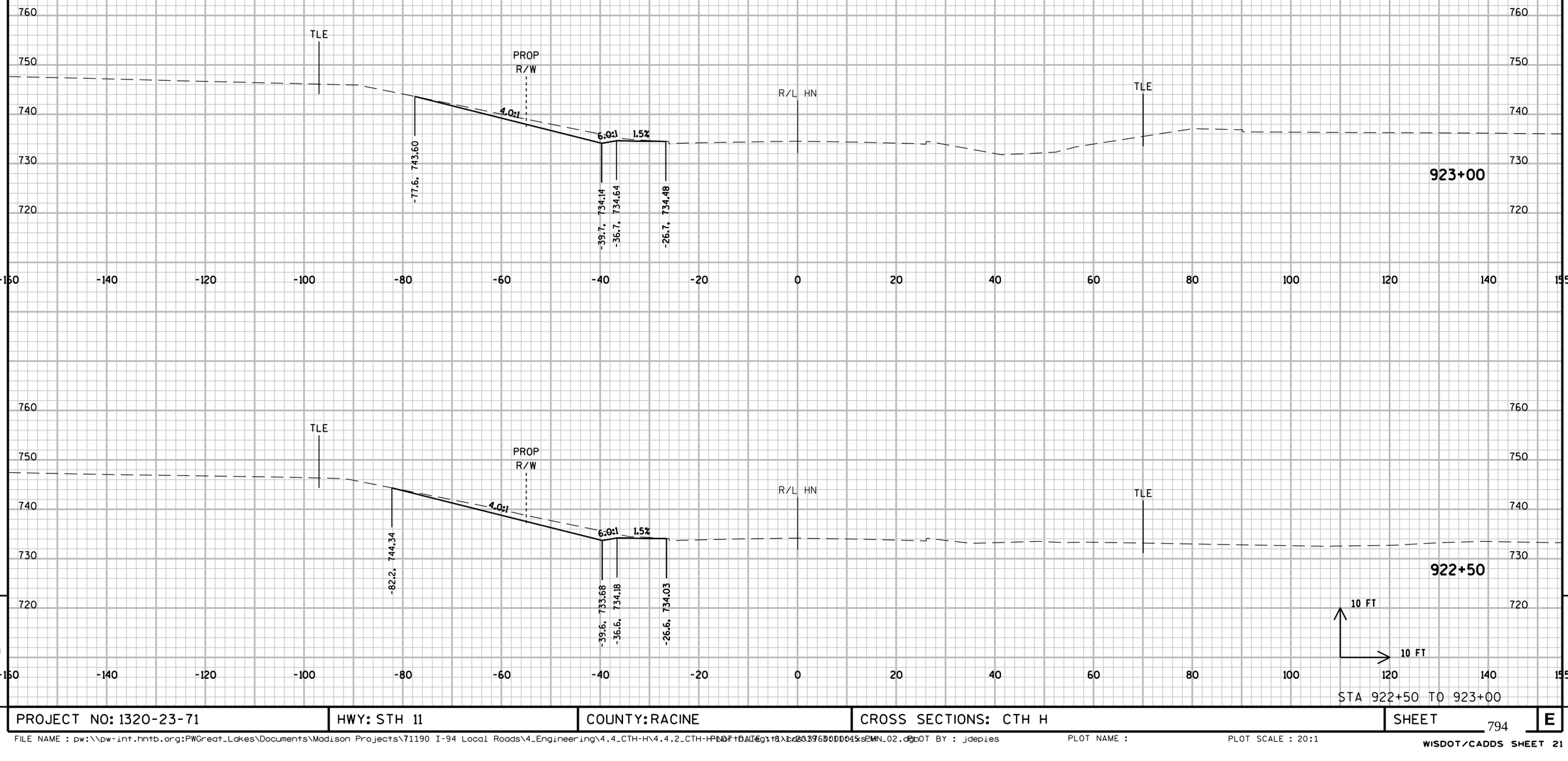
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/22/2025 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



STA 922+50 TO 923+00

9

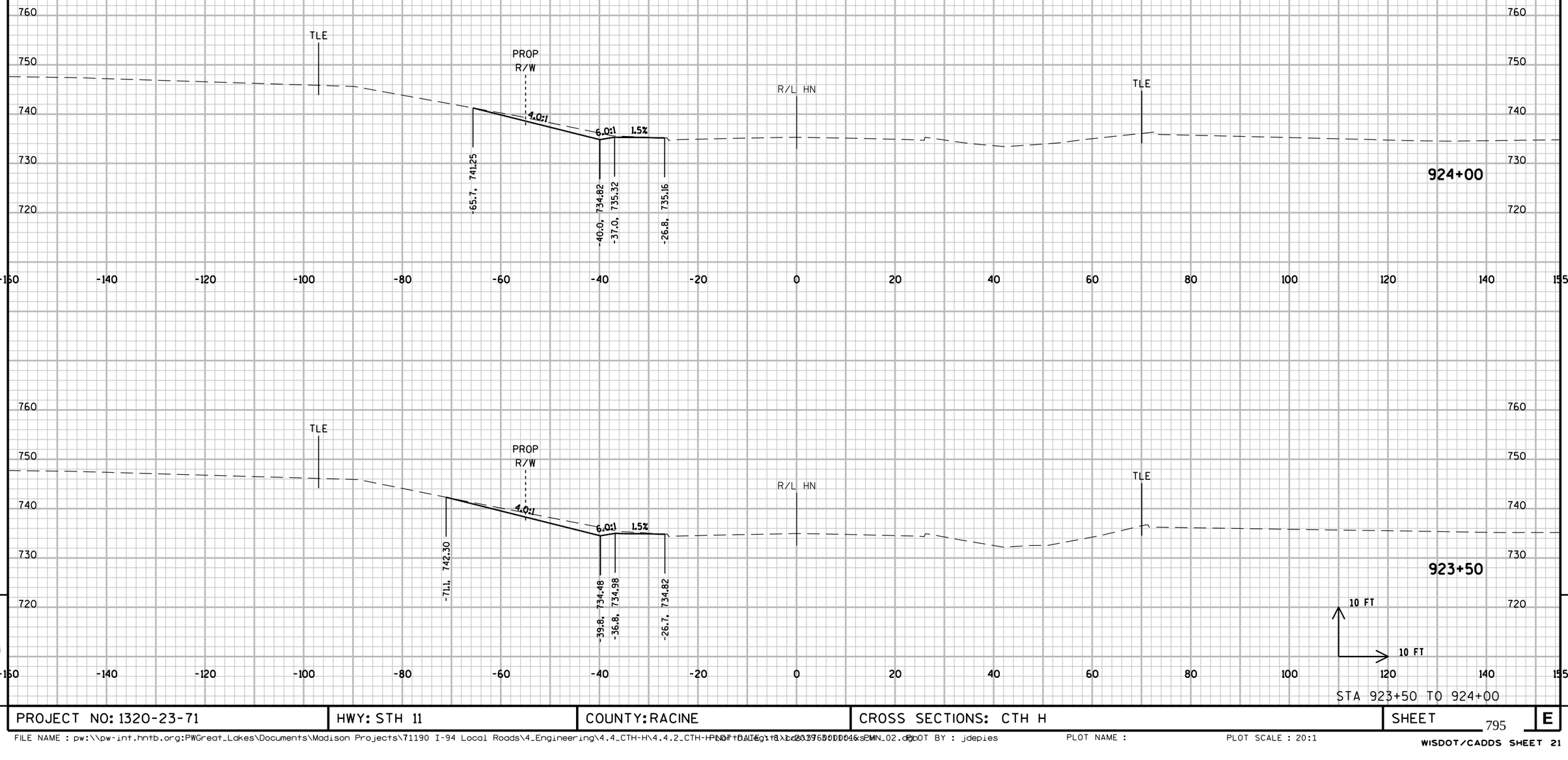
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 794	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

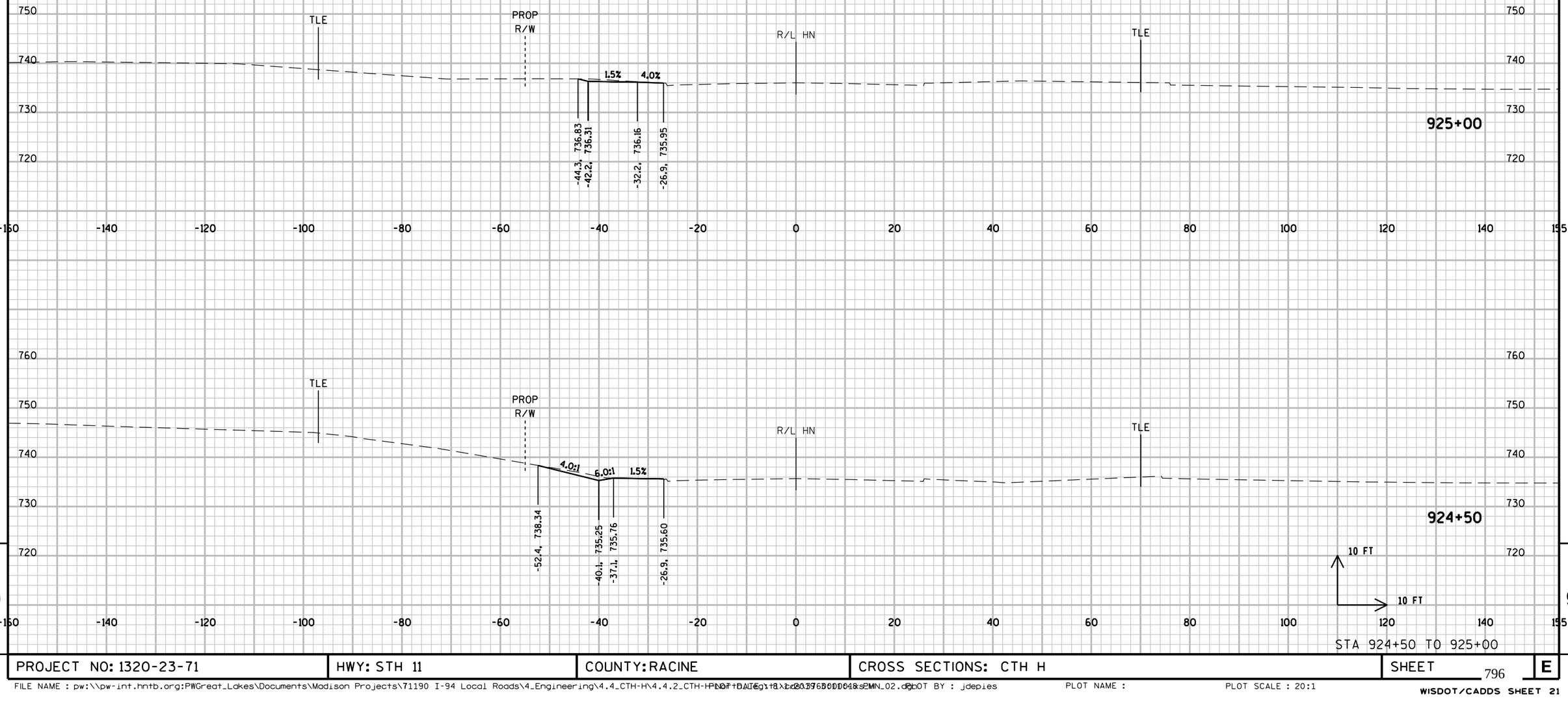
ALL WORK COMPLETED IN STAGE 1



STA 923+50 TO 924+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 795	E

ALL WORK COMPLETED IN STAGE 1



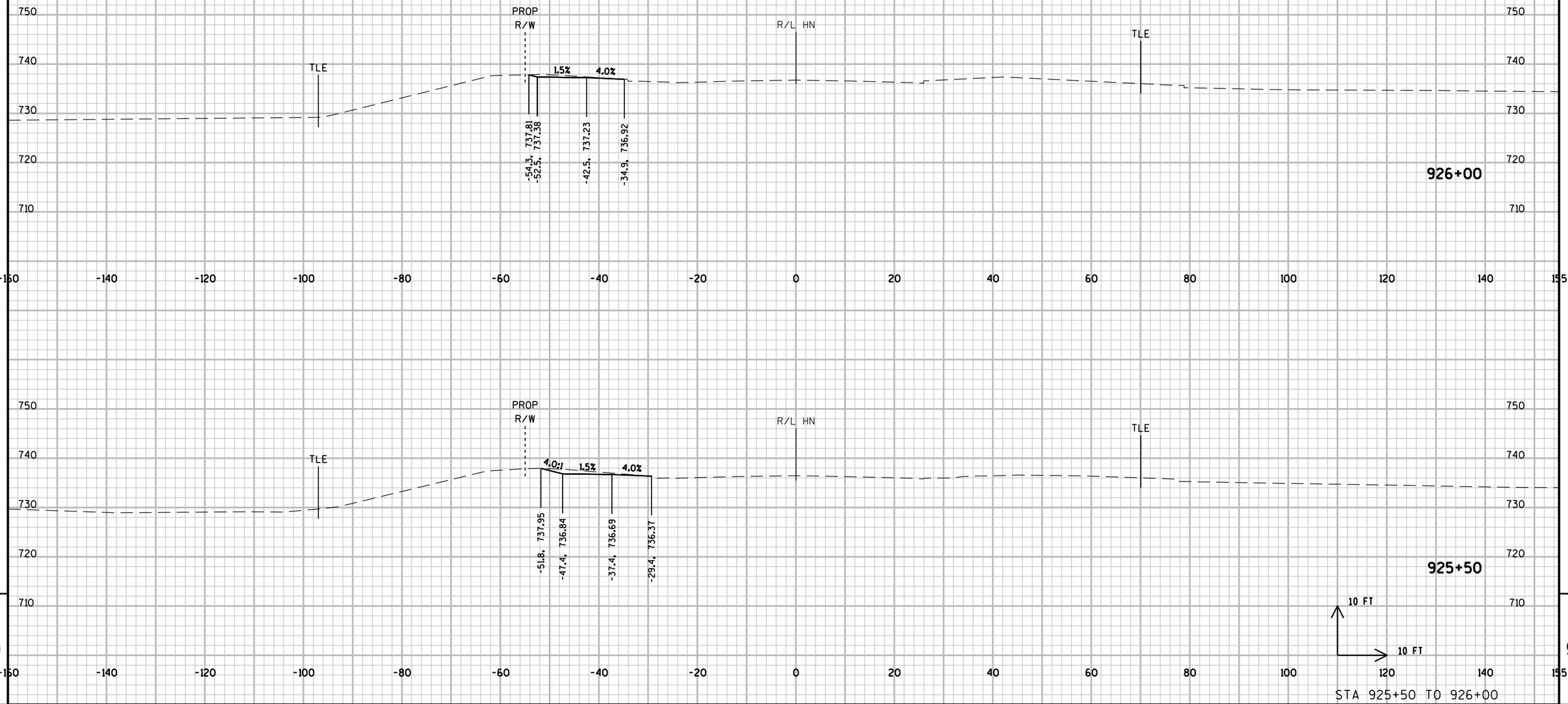
STA 924+50 TO 925+00

9

9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 796	E

ALL WORK COMPLETED IN STAGE 1



STA 925+50 TO 926+00

9

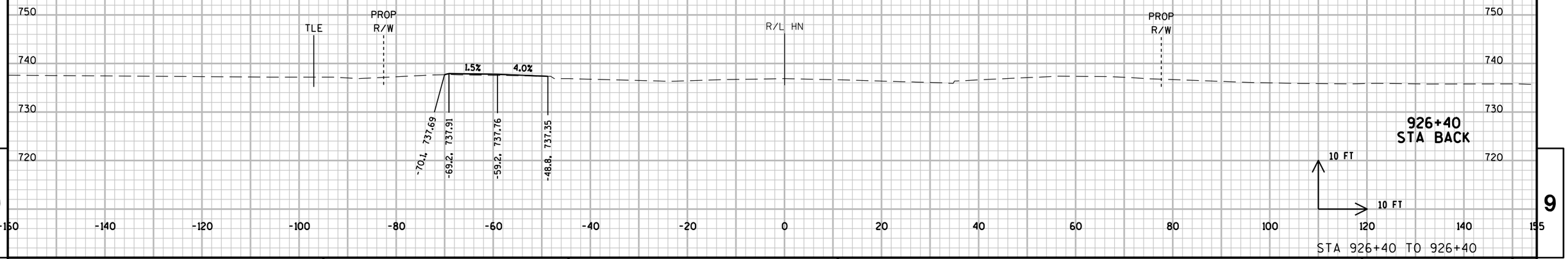
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 797	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



STA 926+40 TO 926+40

9

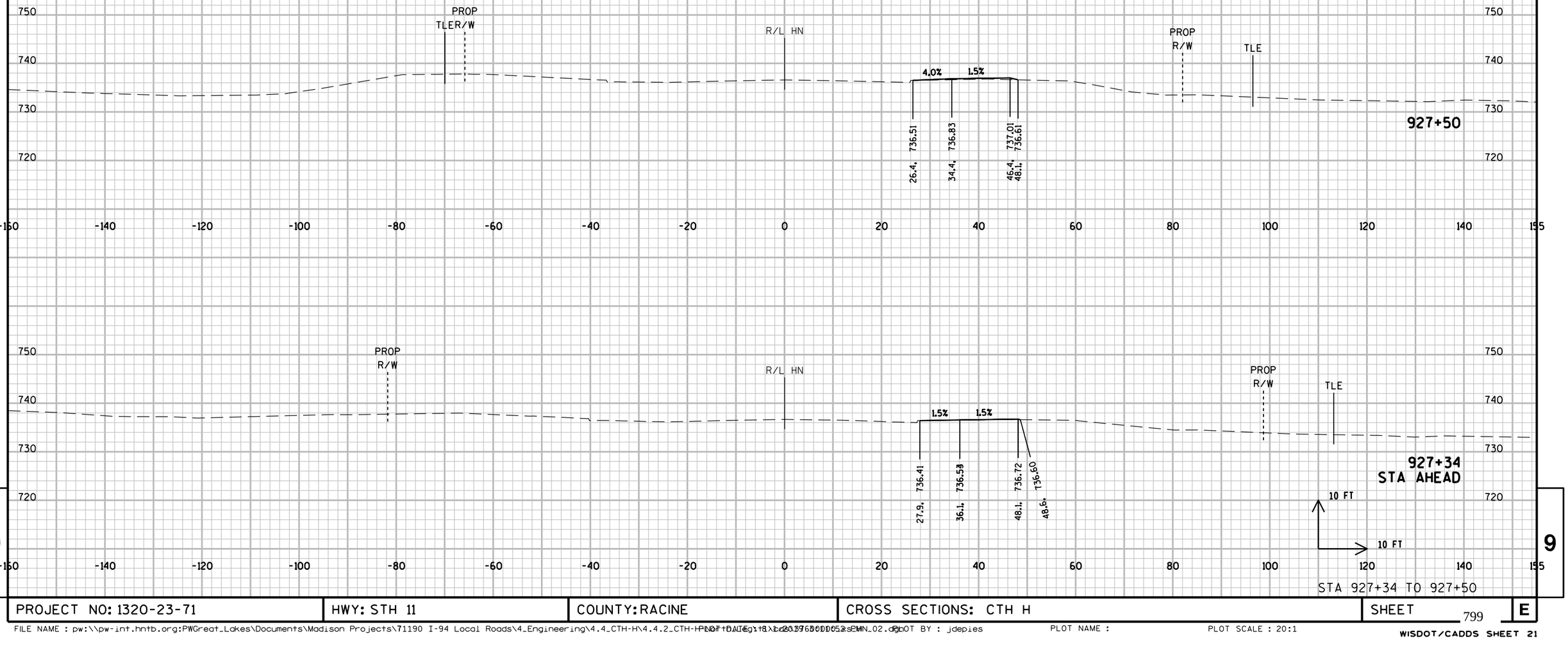
9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 798	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



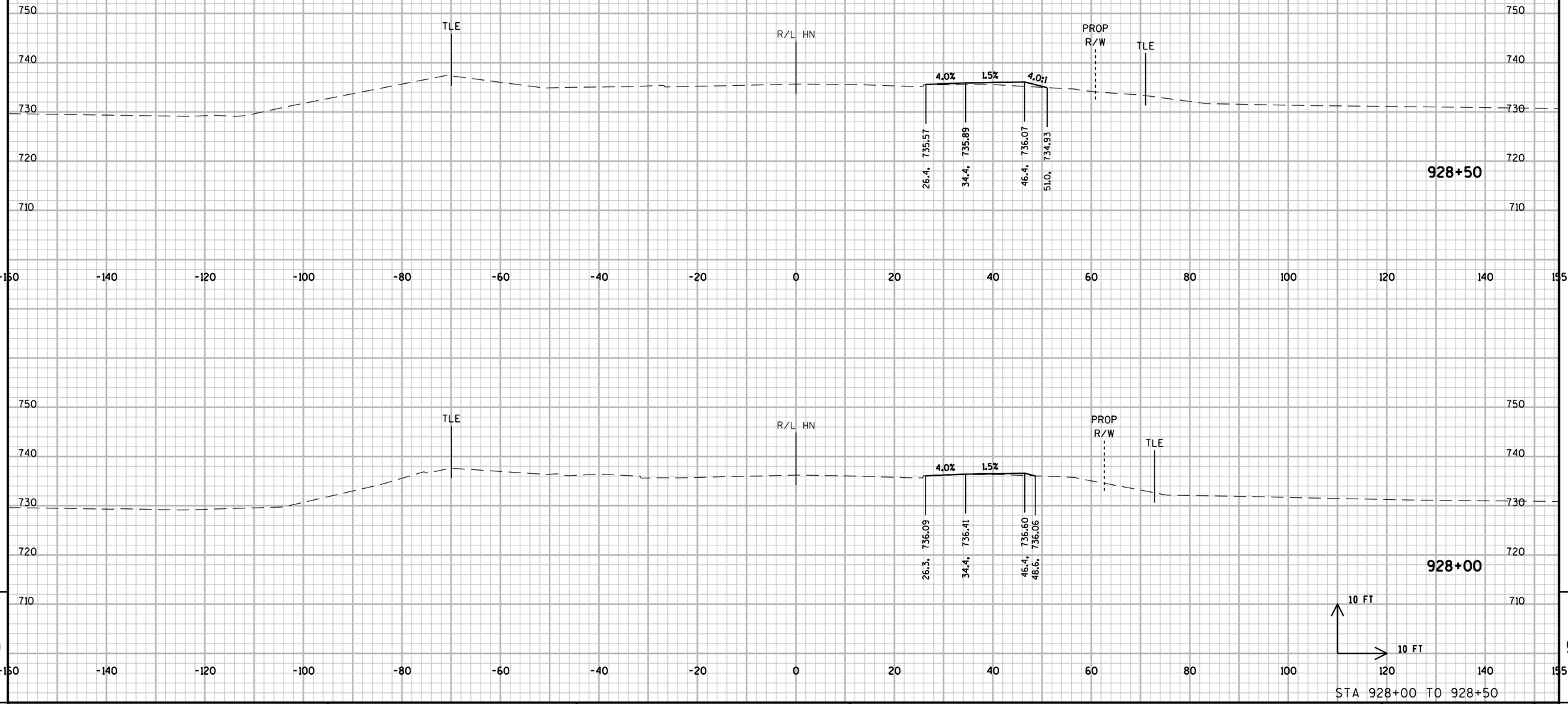
STA 927+34 TO 927+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 799	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

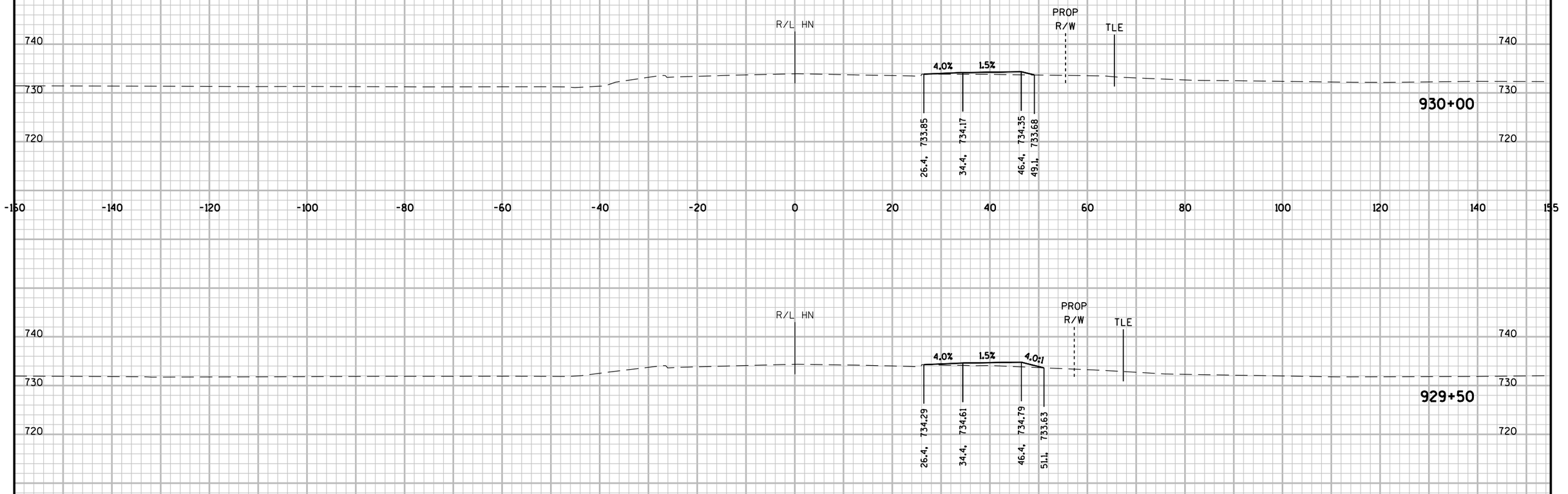
ALL WORK COMPLETED IN STAGE 1

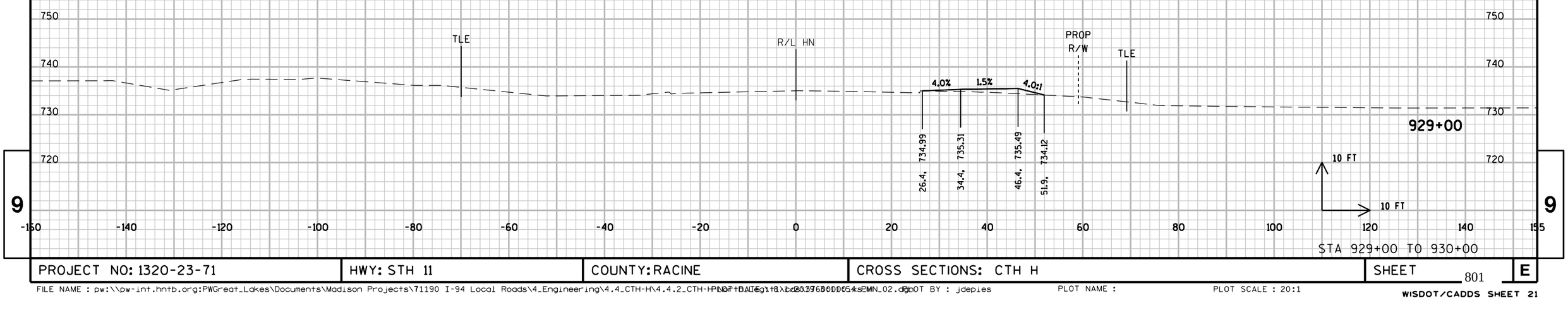


STA 928+00 TO 928+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 800	E

ALL WORK COMPLETED IN STAGE 1





STA 929+00 TO 930+00

9

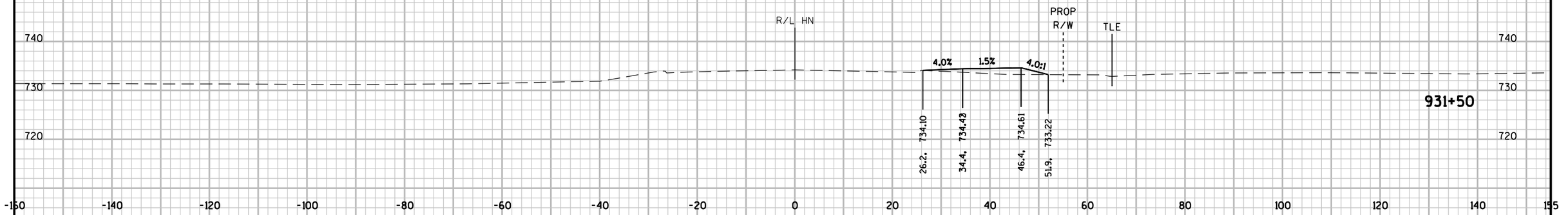
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 801	E

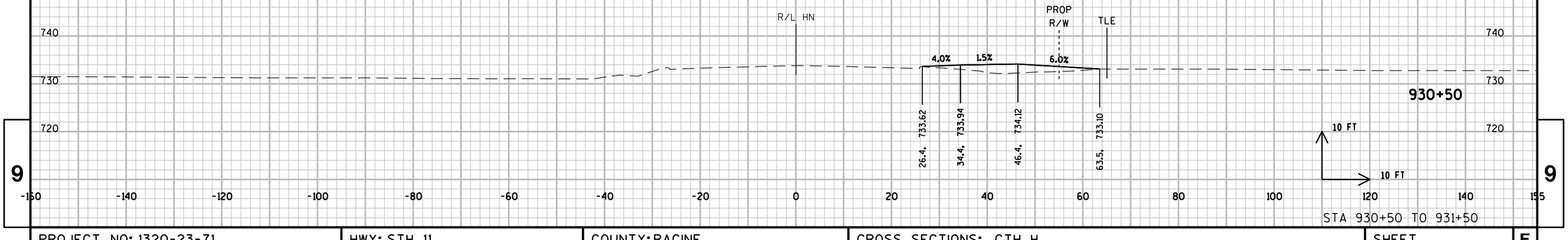
FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1







STA 930+50 TO 931+50

9

9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 802	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/1/2025 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1







STA 932+00 TO 933+00

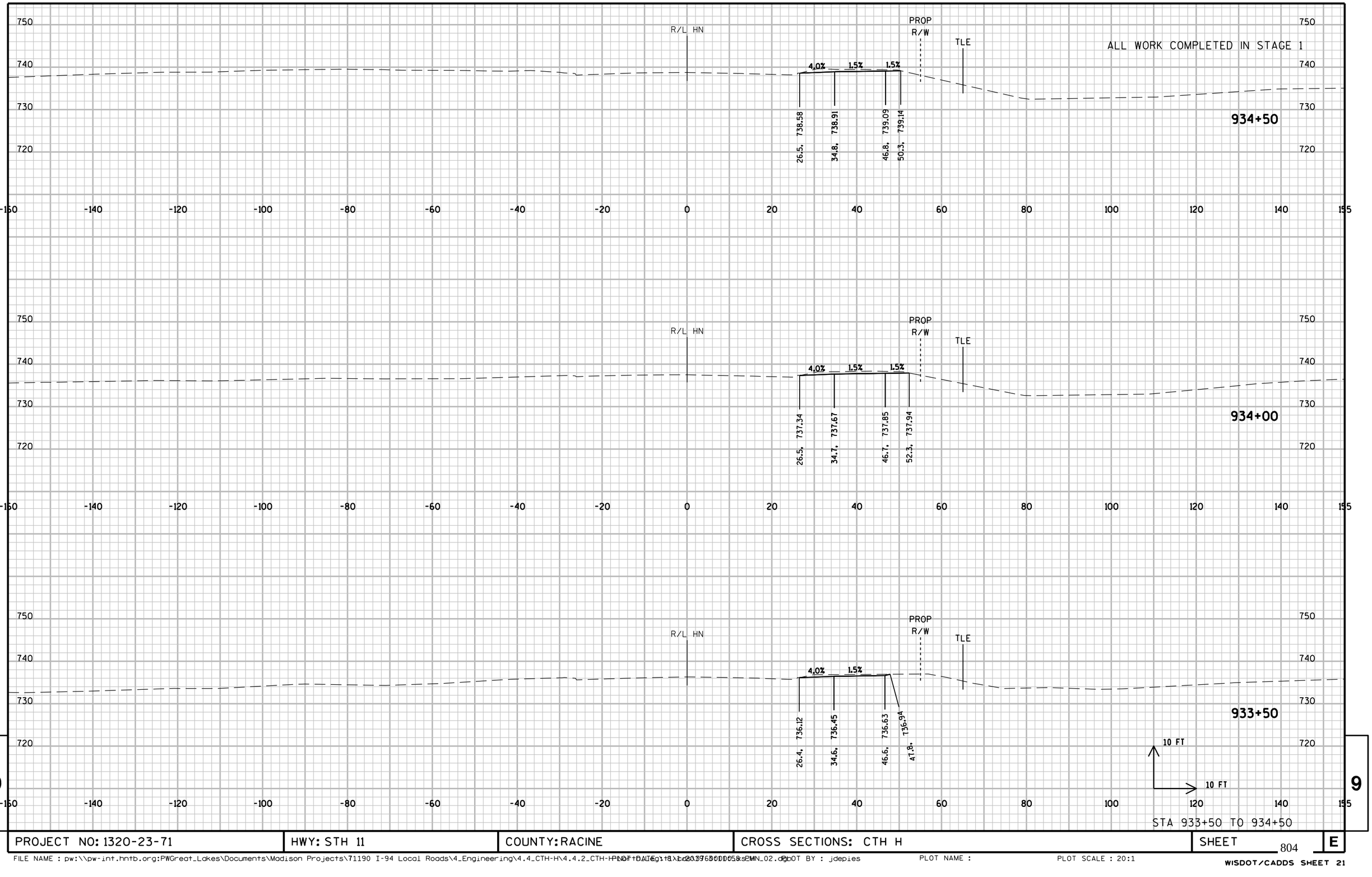
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 803	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\Sheets\20376000005xsPMN_02.dgn PLOT DATE: 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 933+50 TO 934+50

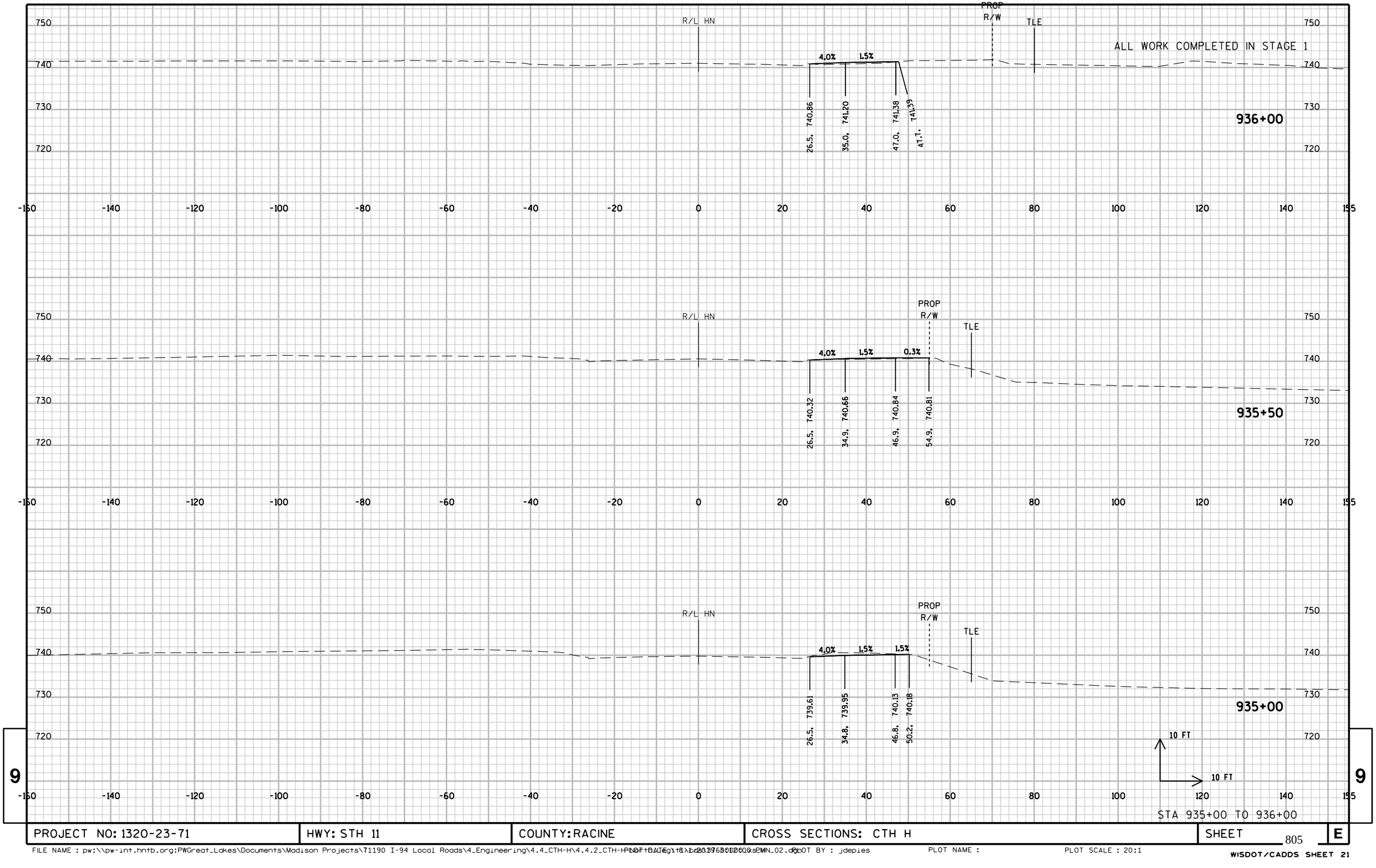
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 804	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 7:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

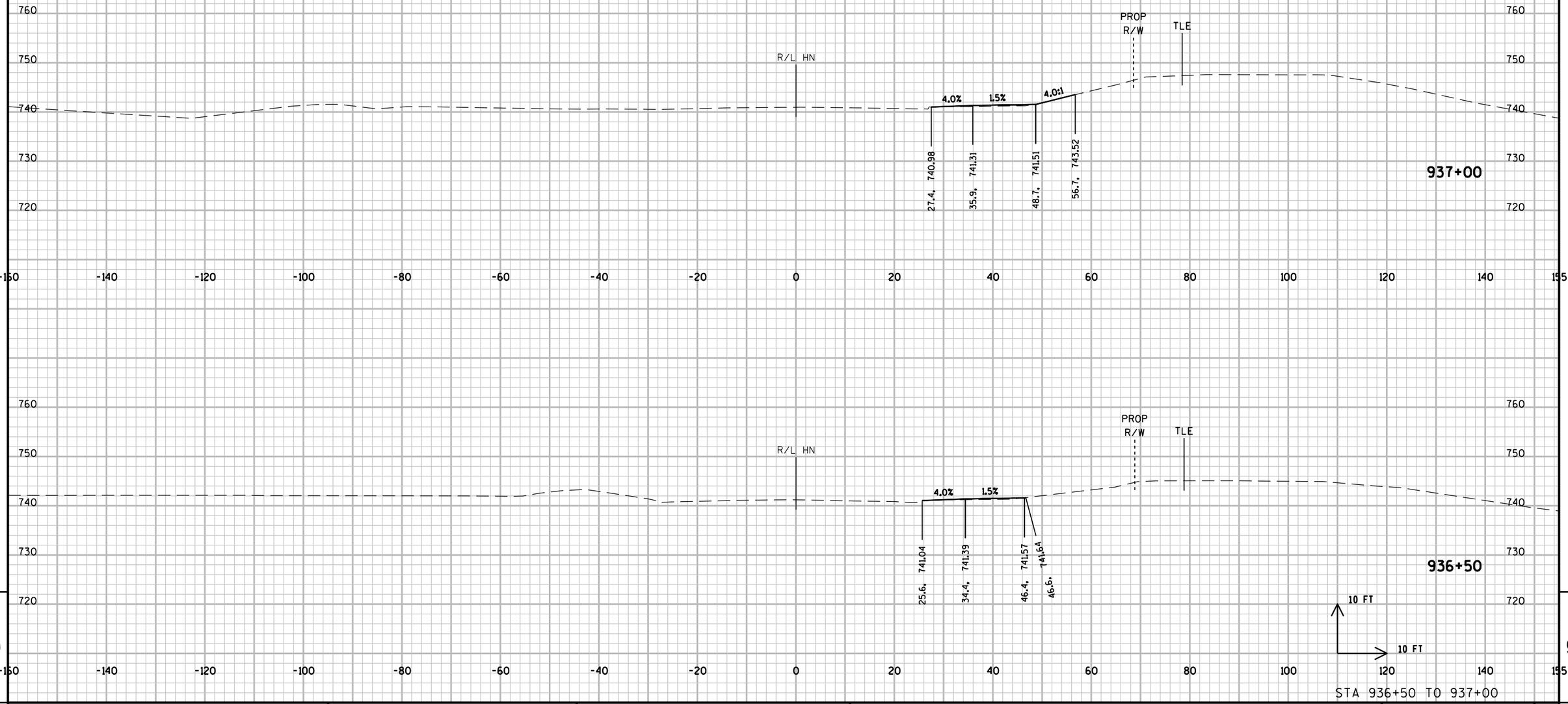


PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 805 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



STA 936+50 TO 937+00

9

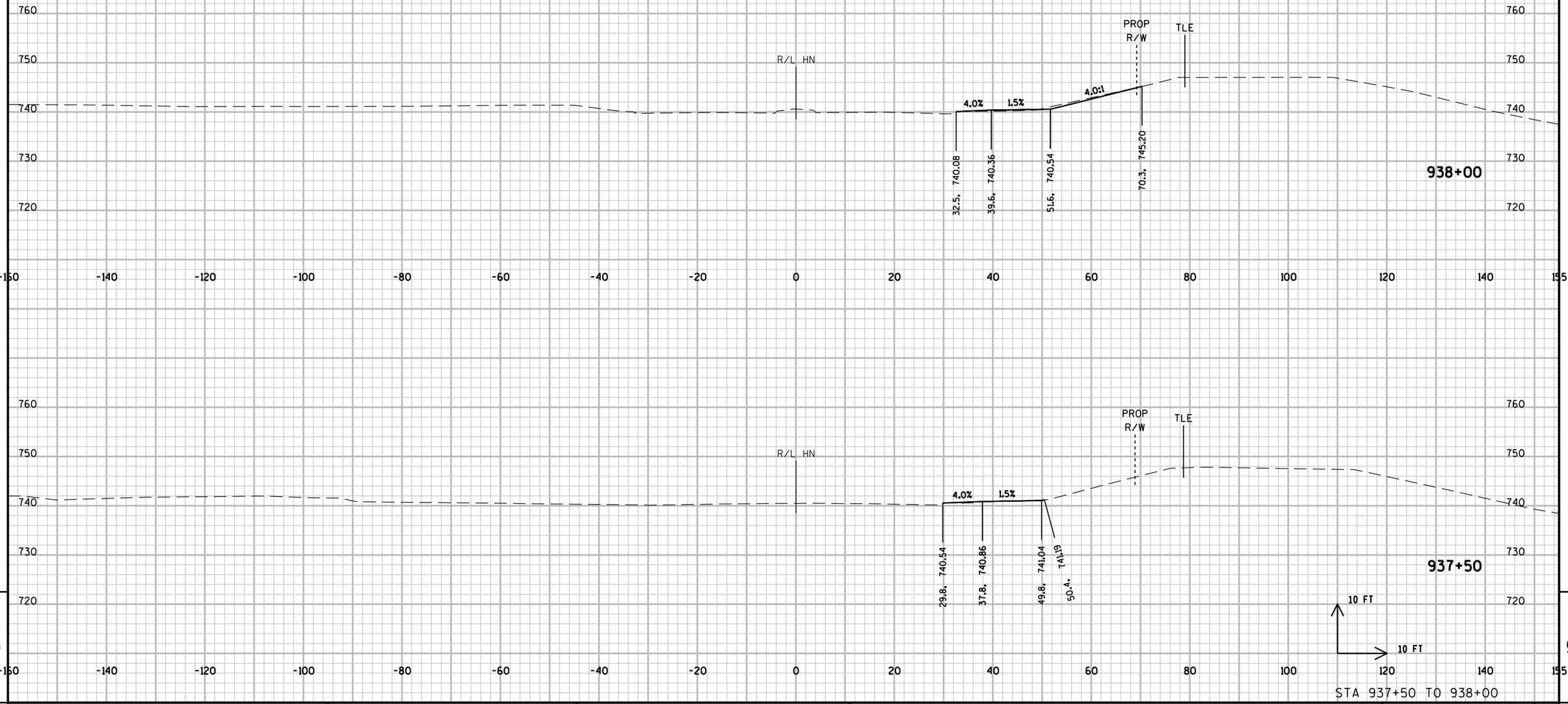
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\Xsections\CTH-H_XS_PMN_02.dgn PLOT DATE : 8/12/2025 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



STA 937+50 TO 938+00

9

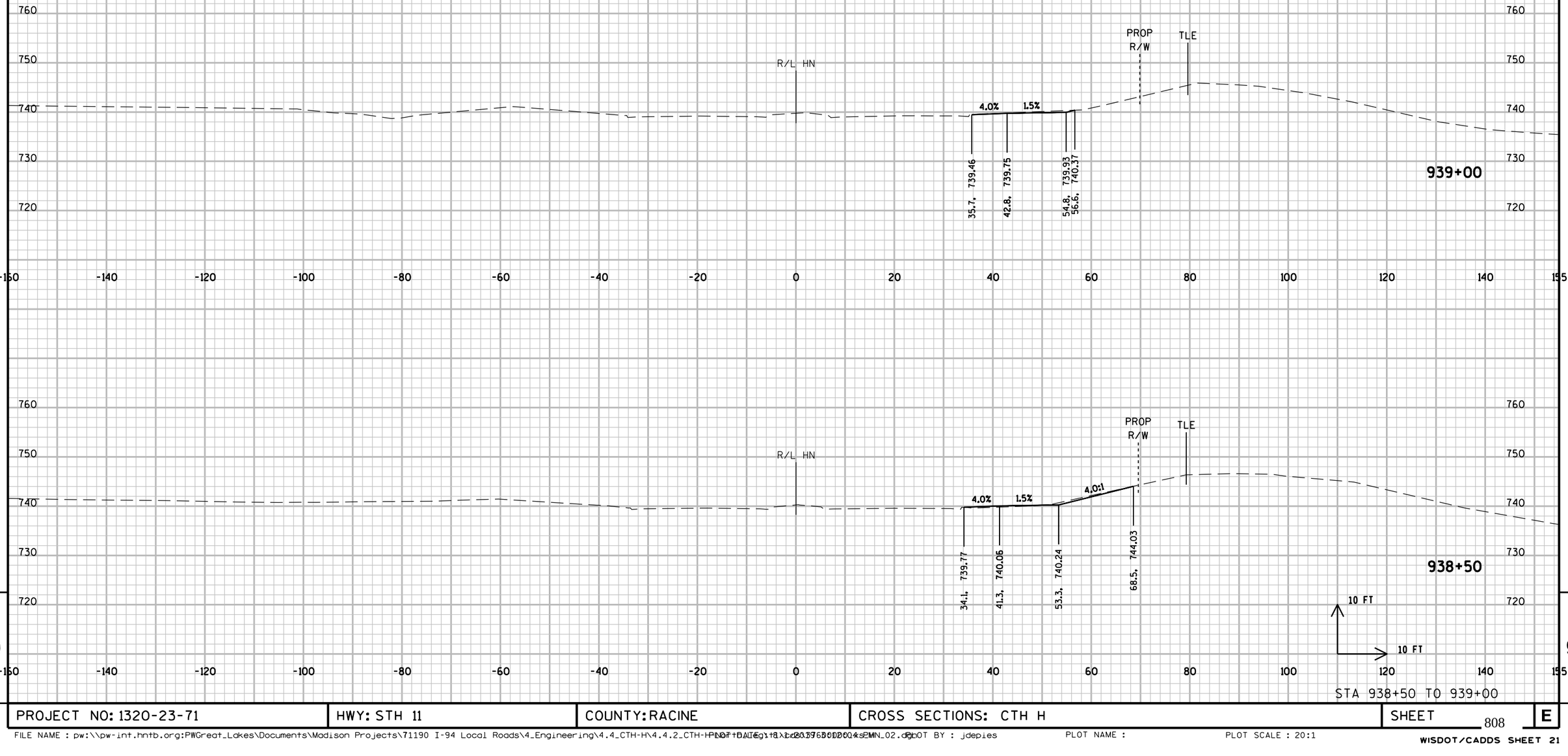
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 807	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\Sheets\CTH_H_PLAN_02.dgn PLOT DATE : 8/1/2025 5:00:00 PM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



STA 938+50 TO 939+00

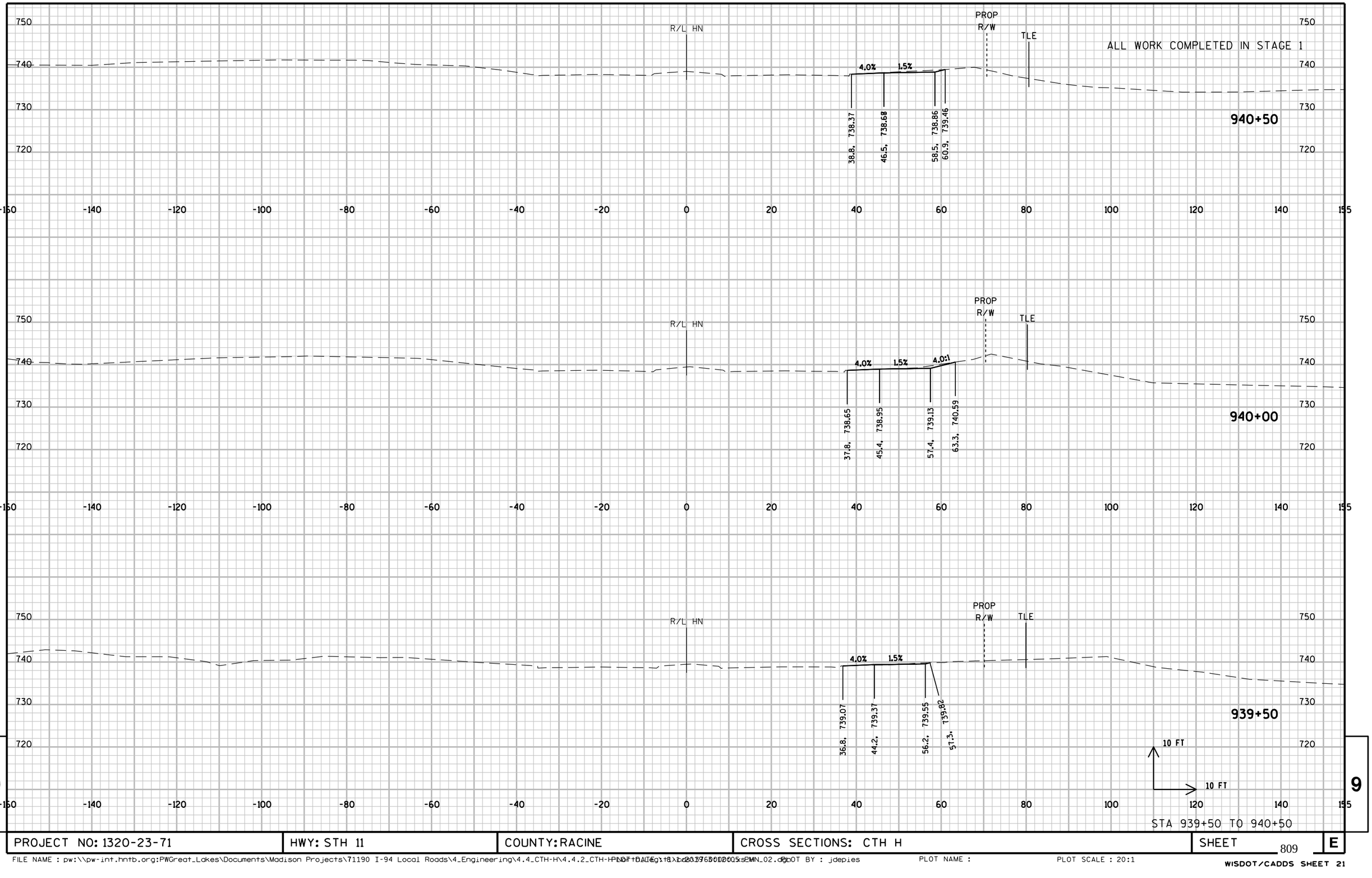
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/12/2025 10:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



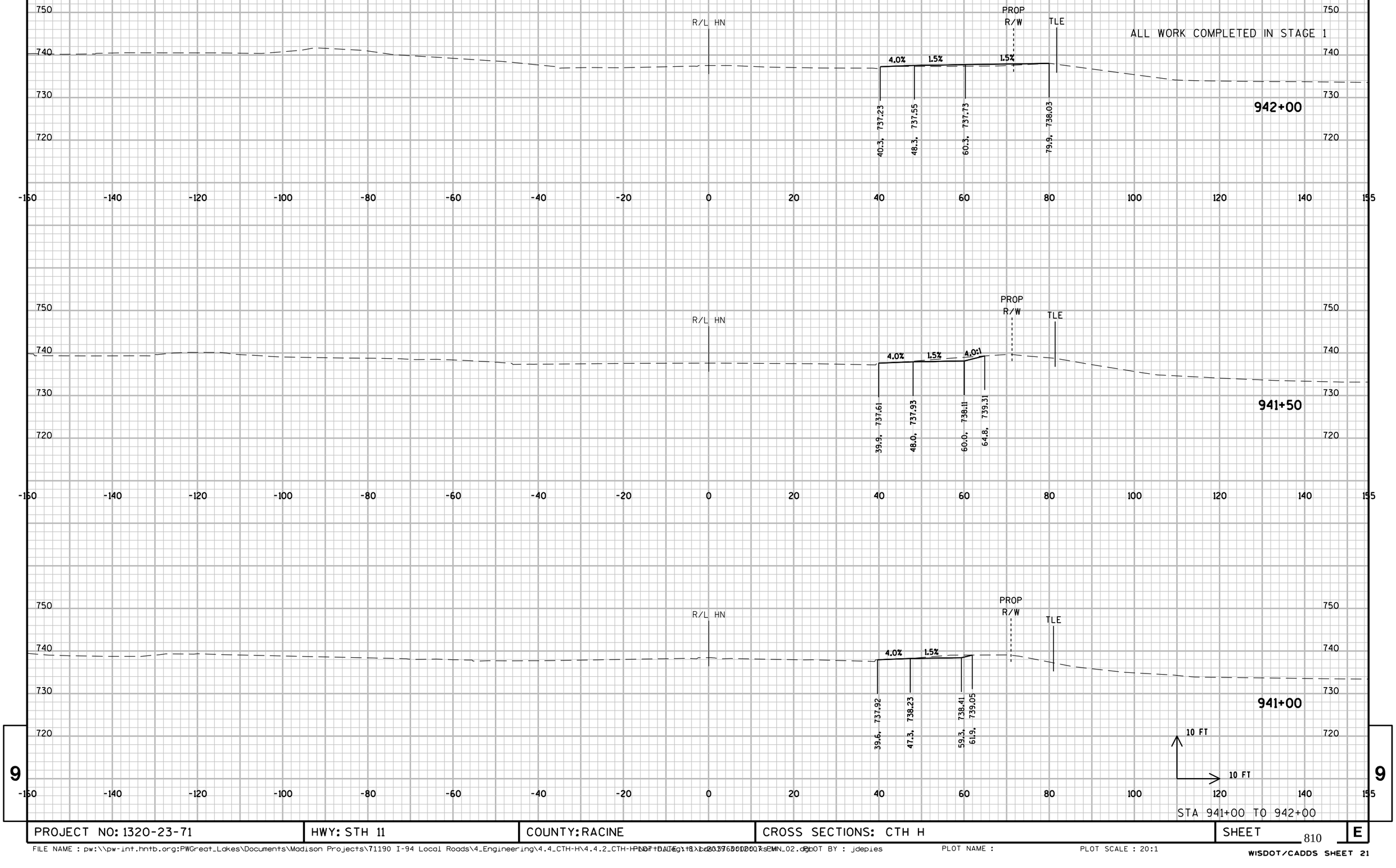
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\20376500000xsMN_02.dgn PLOT DATE : 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

ALL WORK COMPLETED IN STAGE 1

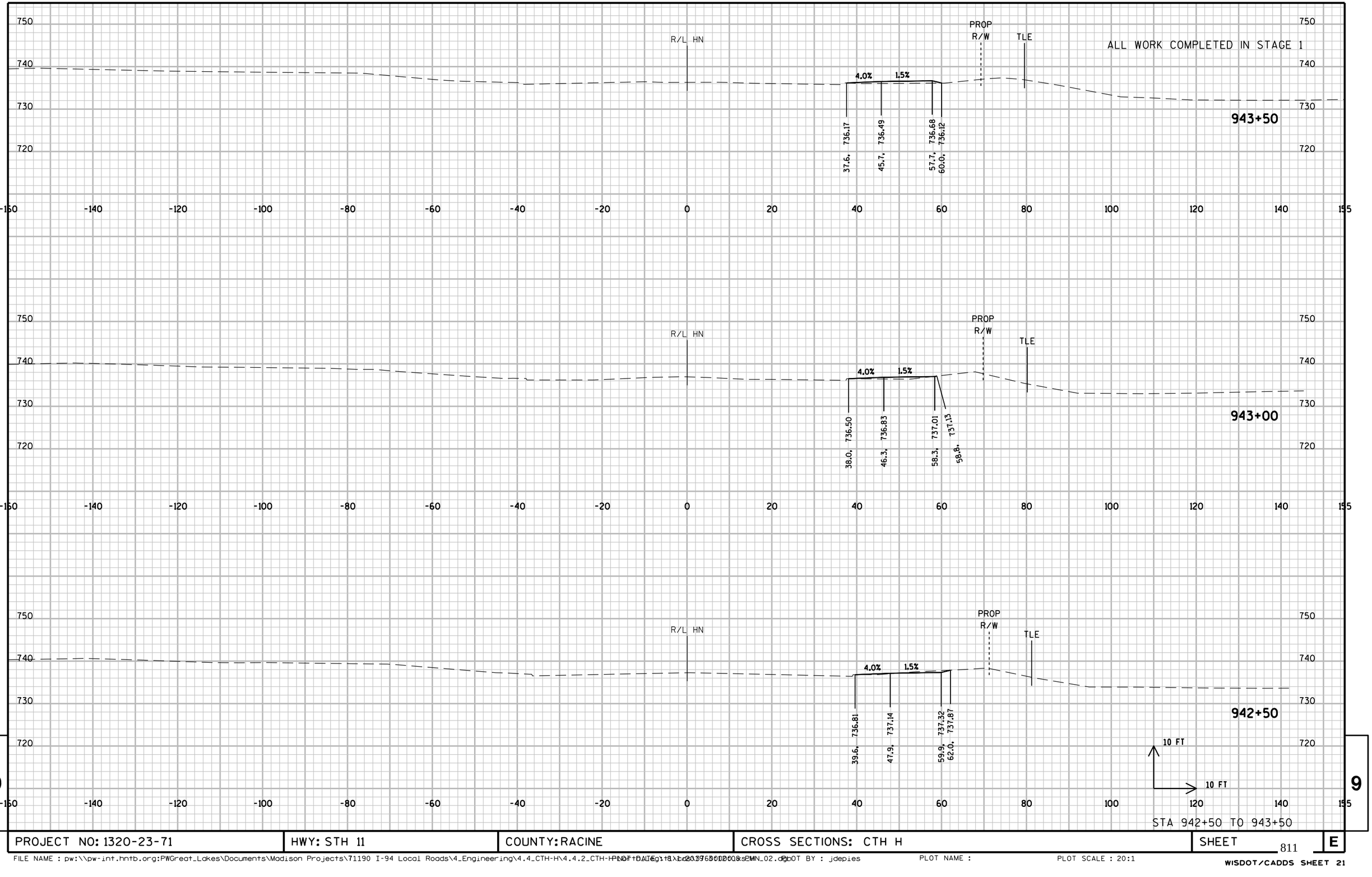


STA 941+00 TO 942+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 810	E

9

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/12/2025 7:00:00 AM
PLOT BY : jdepies
PLOT NAME :
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



9

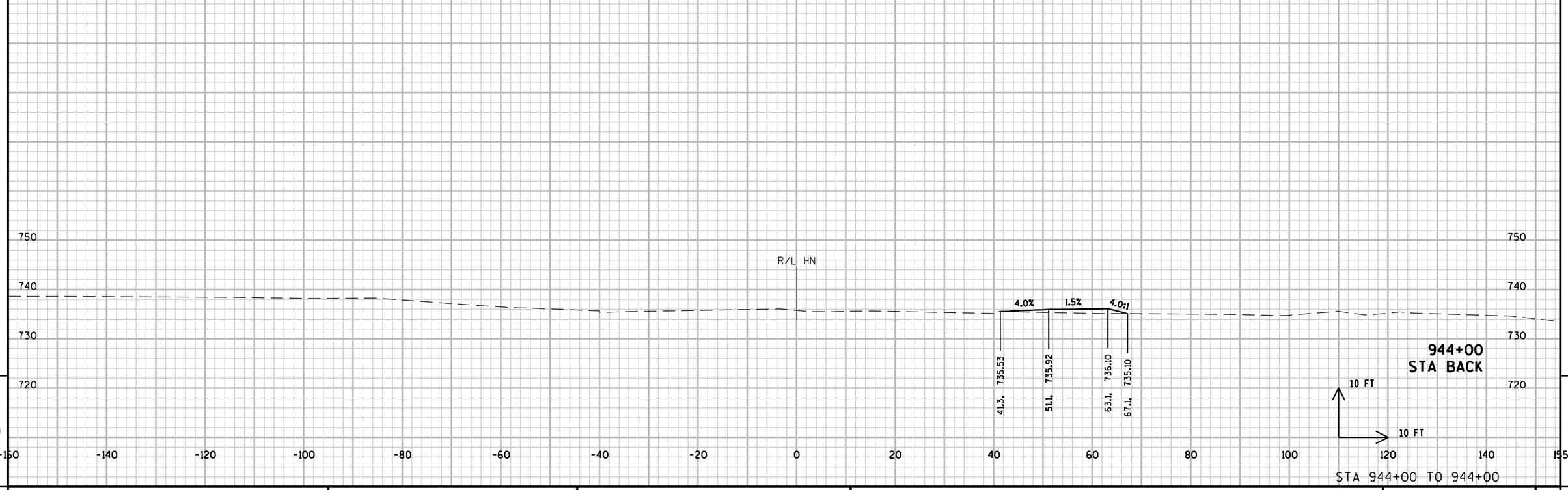
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



STA 944+00 TO 944+00

9

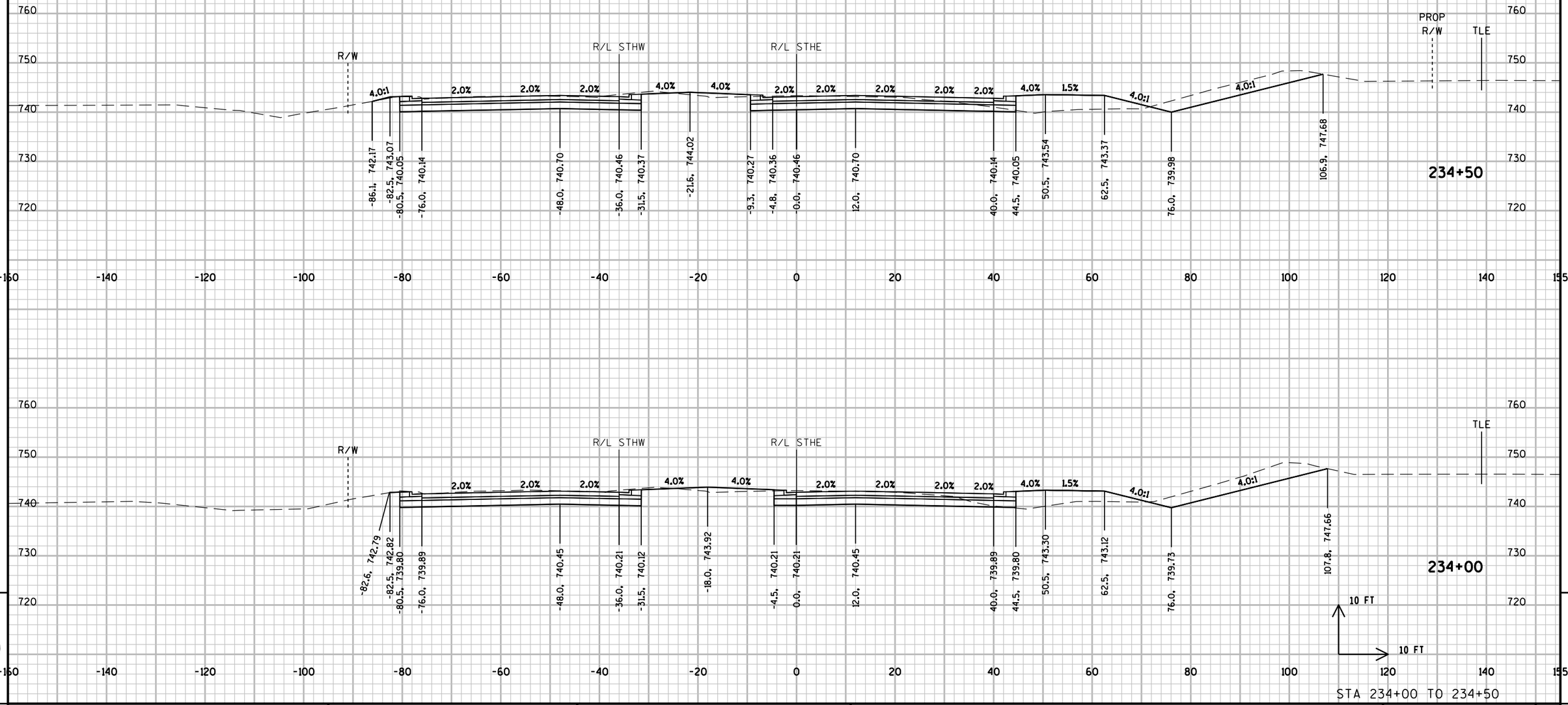
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: CTH H	SHEET 812	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



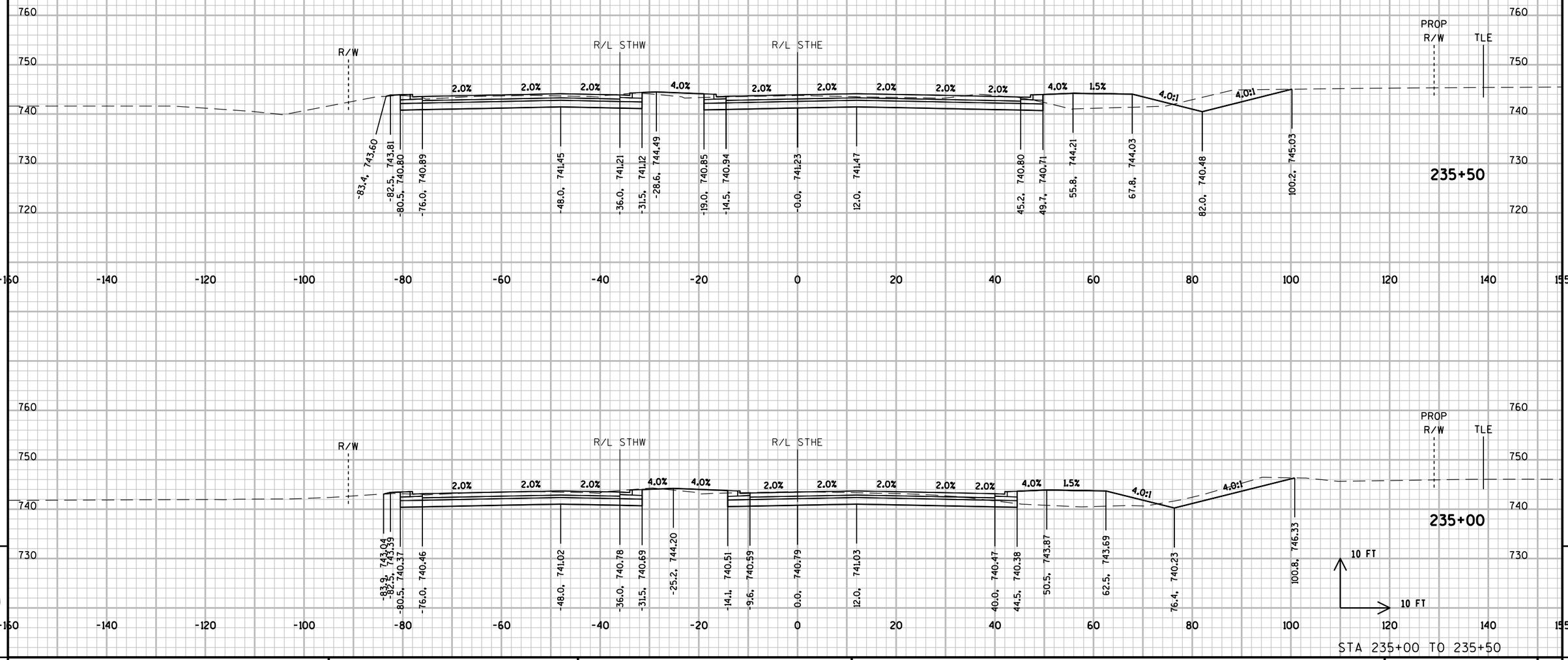
STA 234+00 TO 234+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 813	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 12/20/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



STA 235+00 TO 235+50

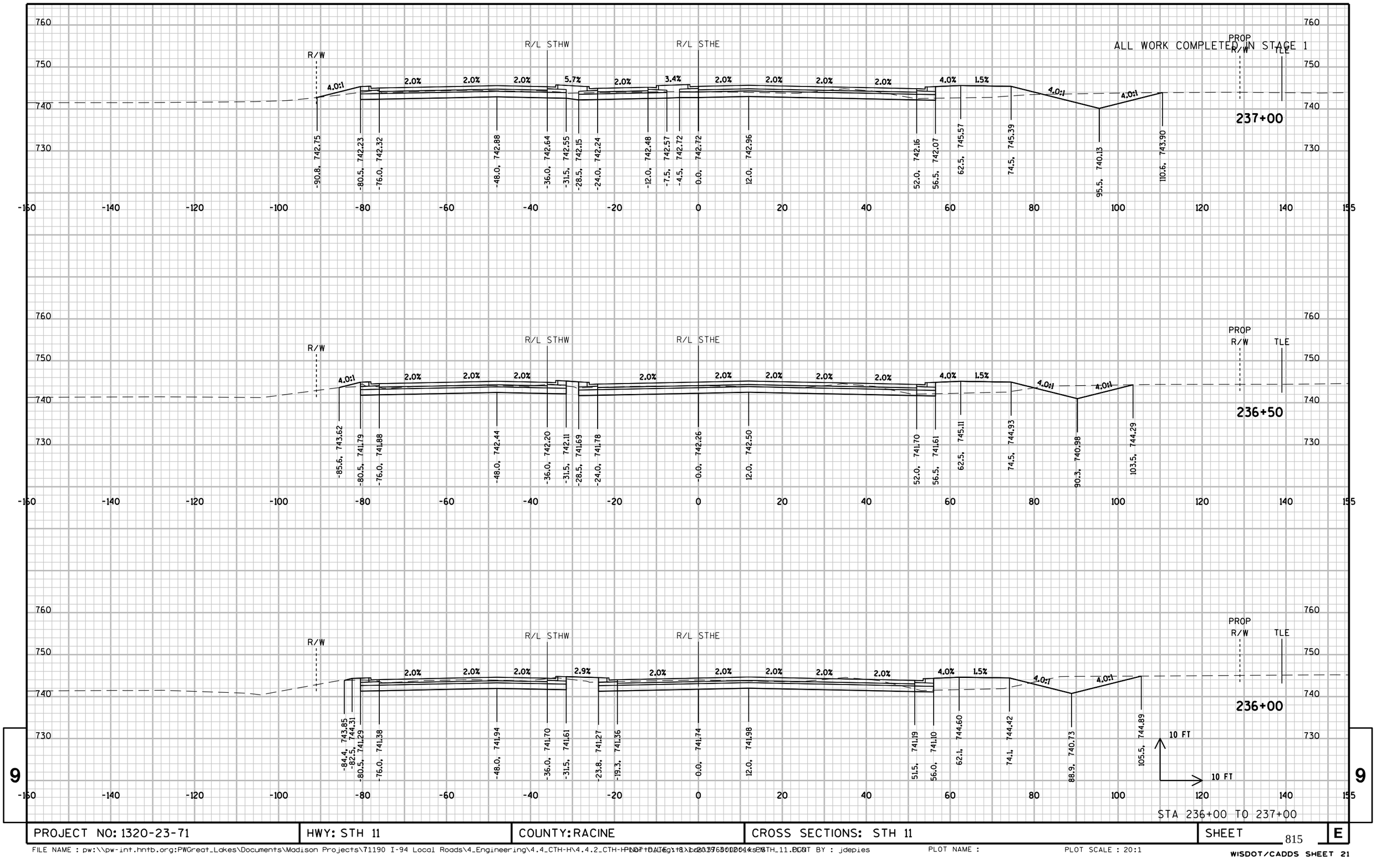
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 814	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2025 10:02:43 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9

9



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9

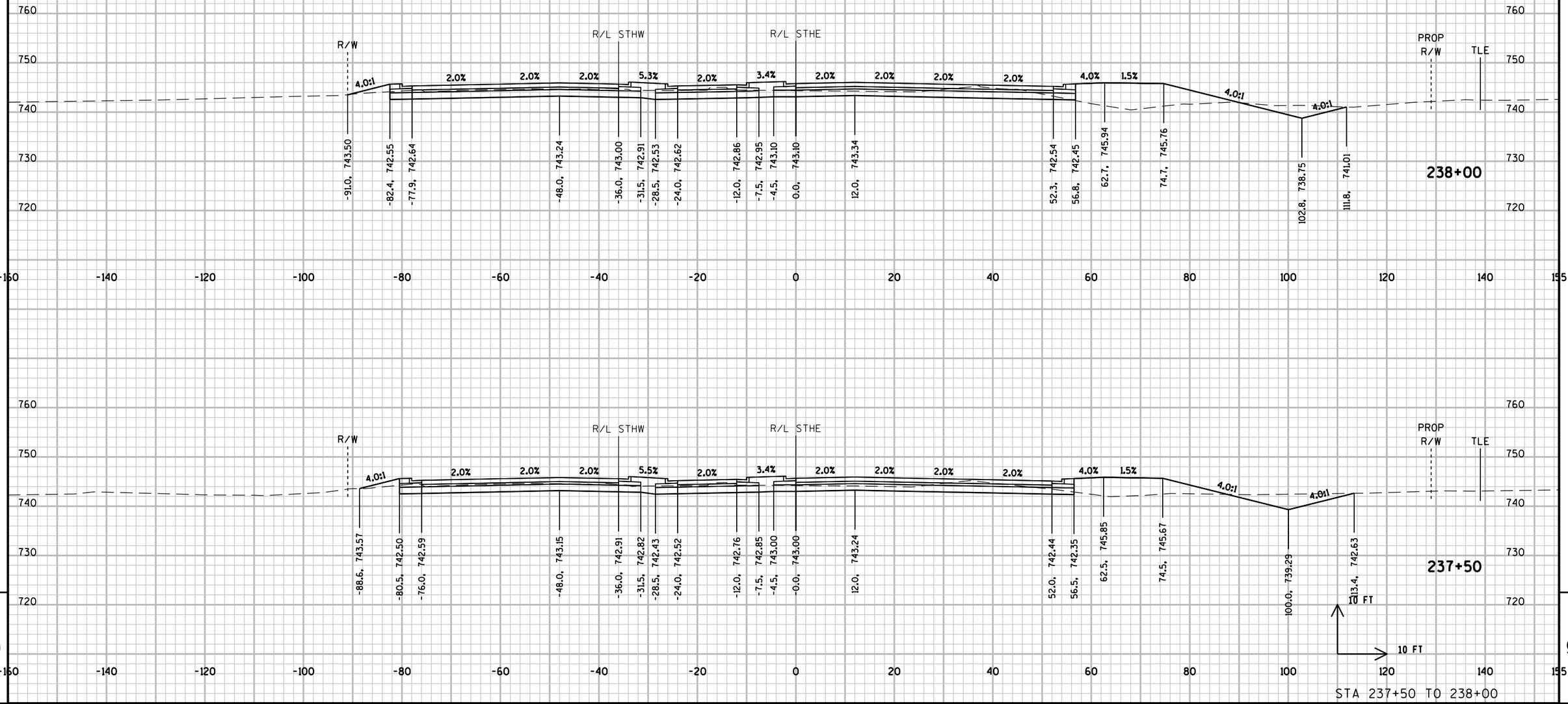
STA 236+00 TO 237+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 815	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE = 8/1/2023 7:00:04 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 1



9

9

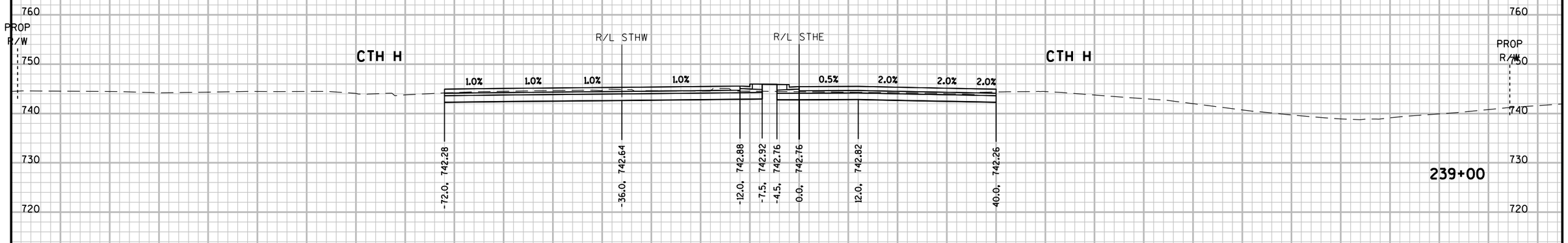
STA 237+50 TO 238+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PDP_Design\Xsections\STH_11.dgn PLOT DATE : 8/1/2024 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

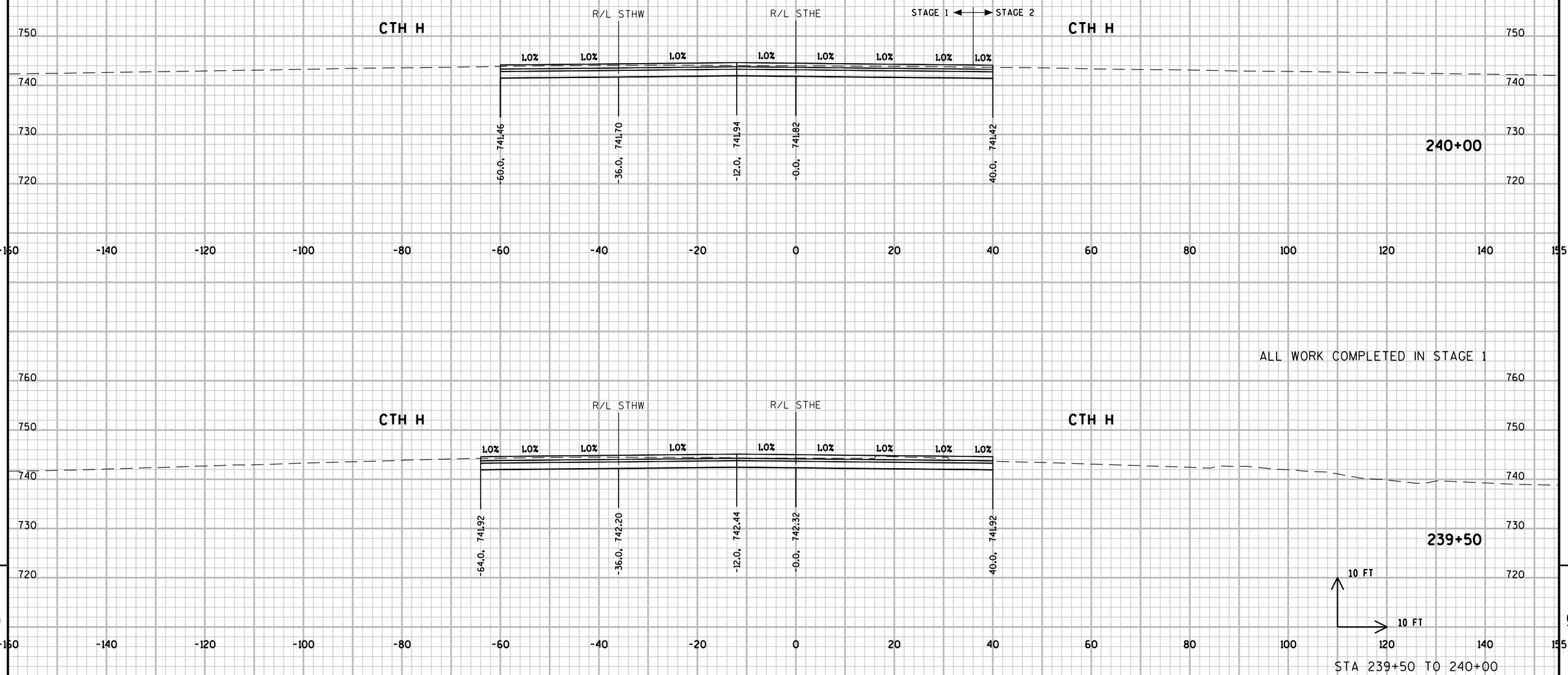
ALL WORK COMPLETED IN STAGE 1



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 817 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\Exhibits\20250500045_STH_11.dgn
PLOTTED : 8/1/2025 8:00:22 AM
PLOT BY : jdepies
PLOT NAME :
PLOT SCALE : 20:1

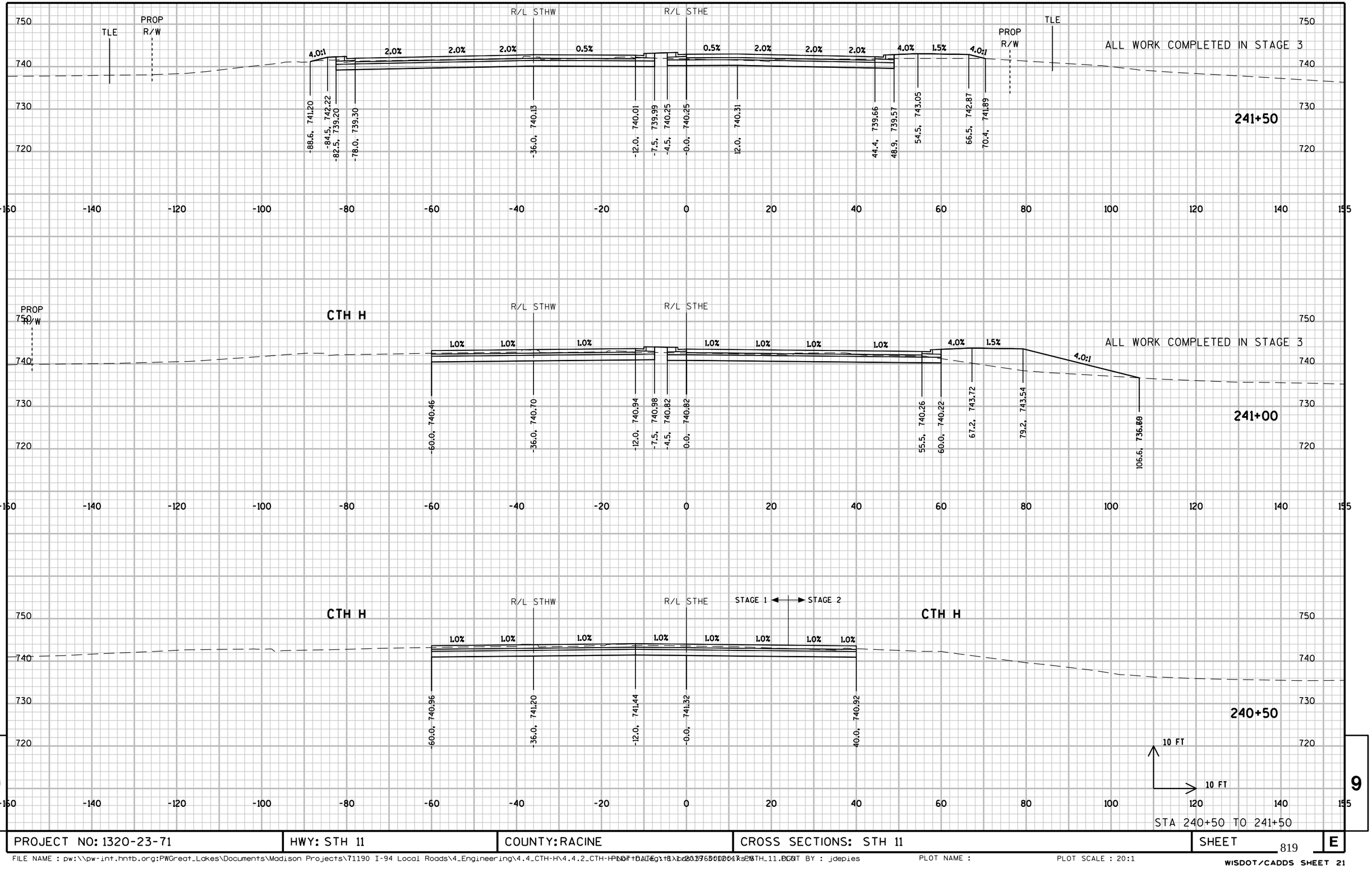
WISDOT/CADDS SHEET 21



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 818	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

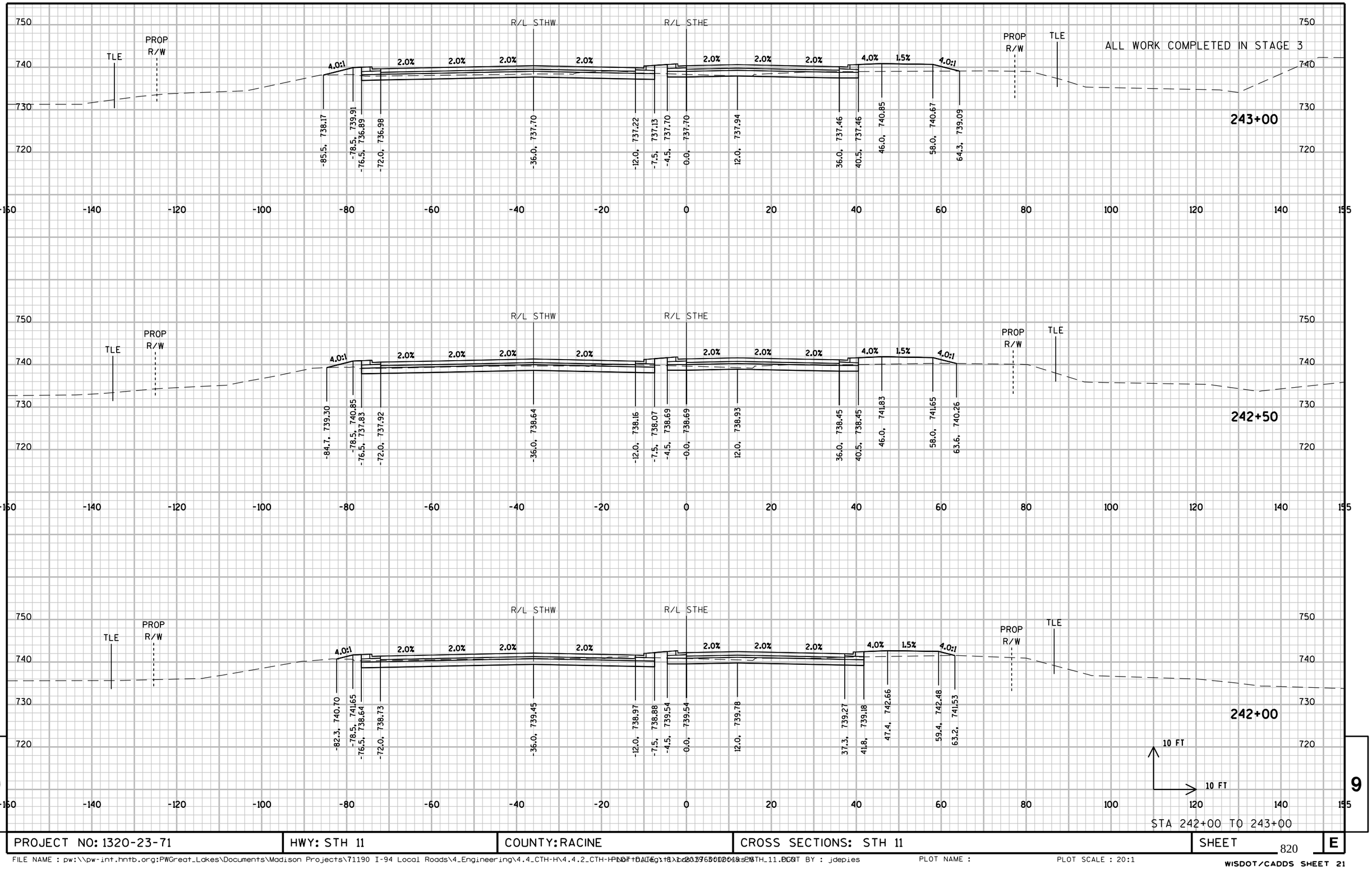
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STA 240+50 TO 241+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\Sheets\CTH_H_STH_11.DGN PLOTTED BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



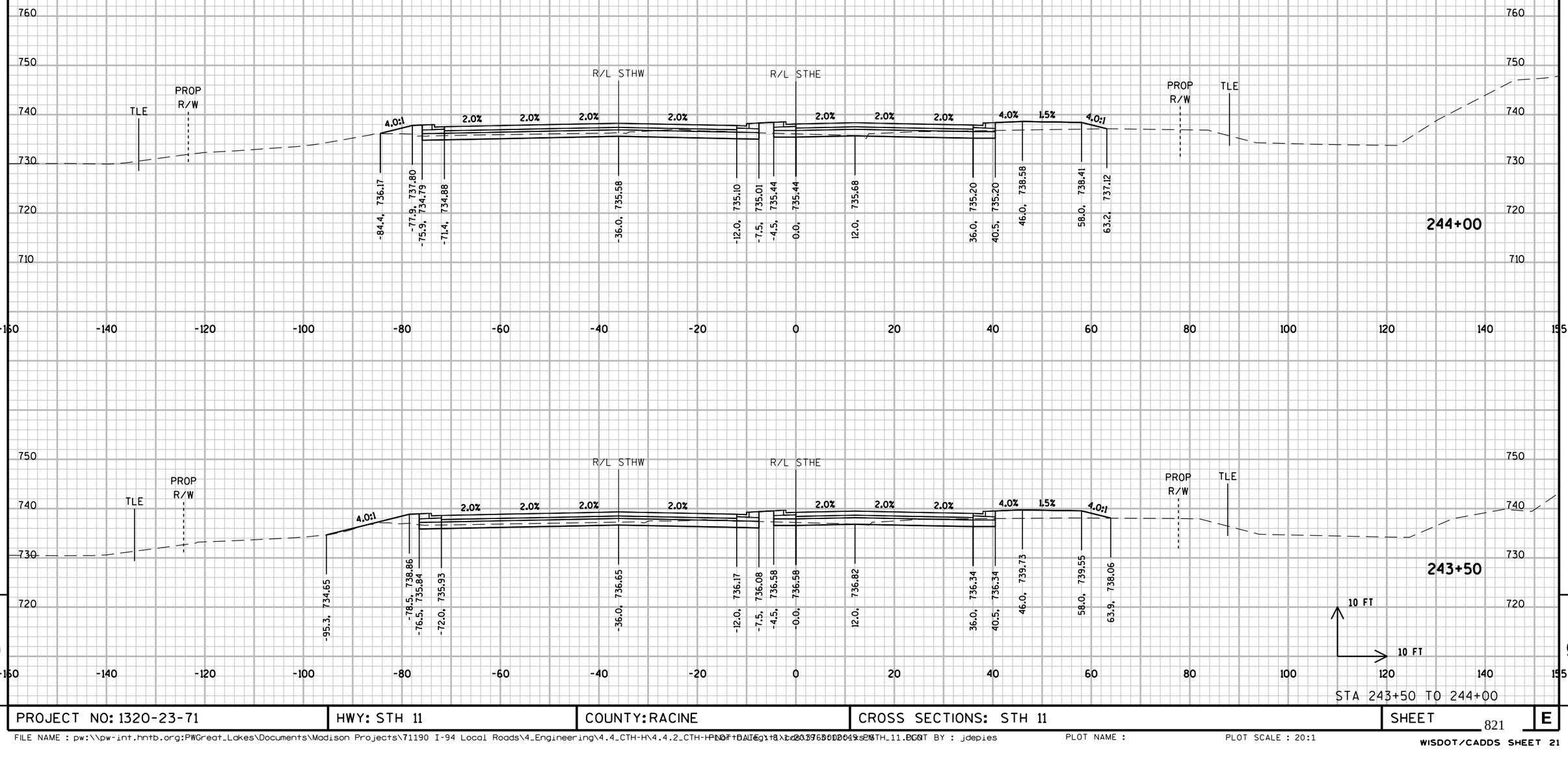
9

9

STA 242+00 TO 243+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 820	E

ALL WORK COMPLETED IN STAGE 3



STA 243+50 TO 244+00

9

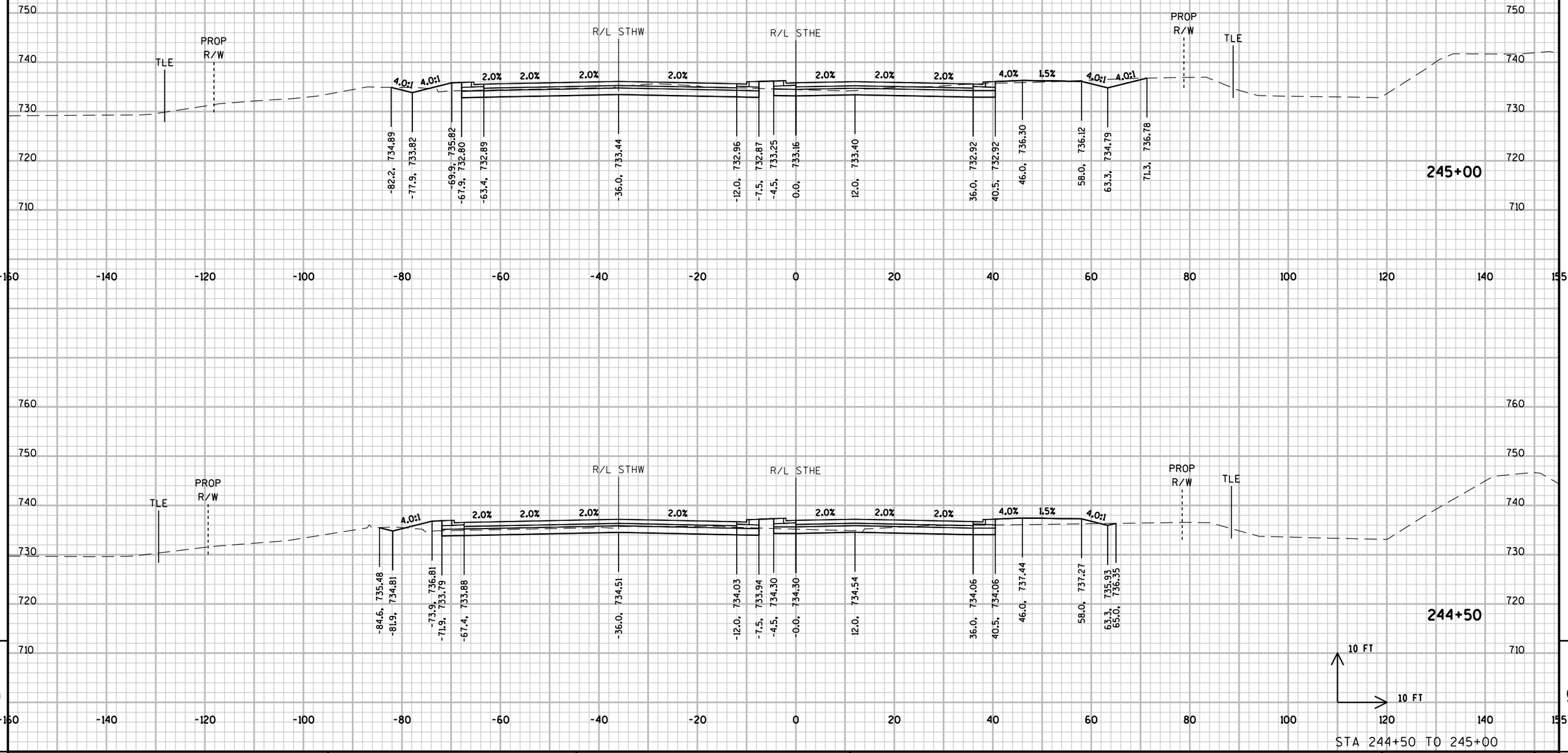
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 821	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 7:00:02 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



9

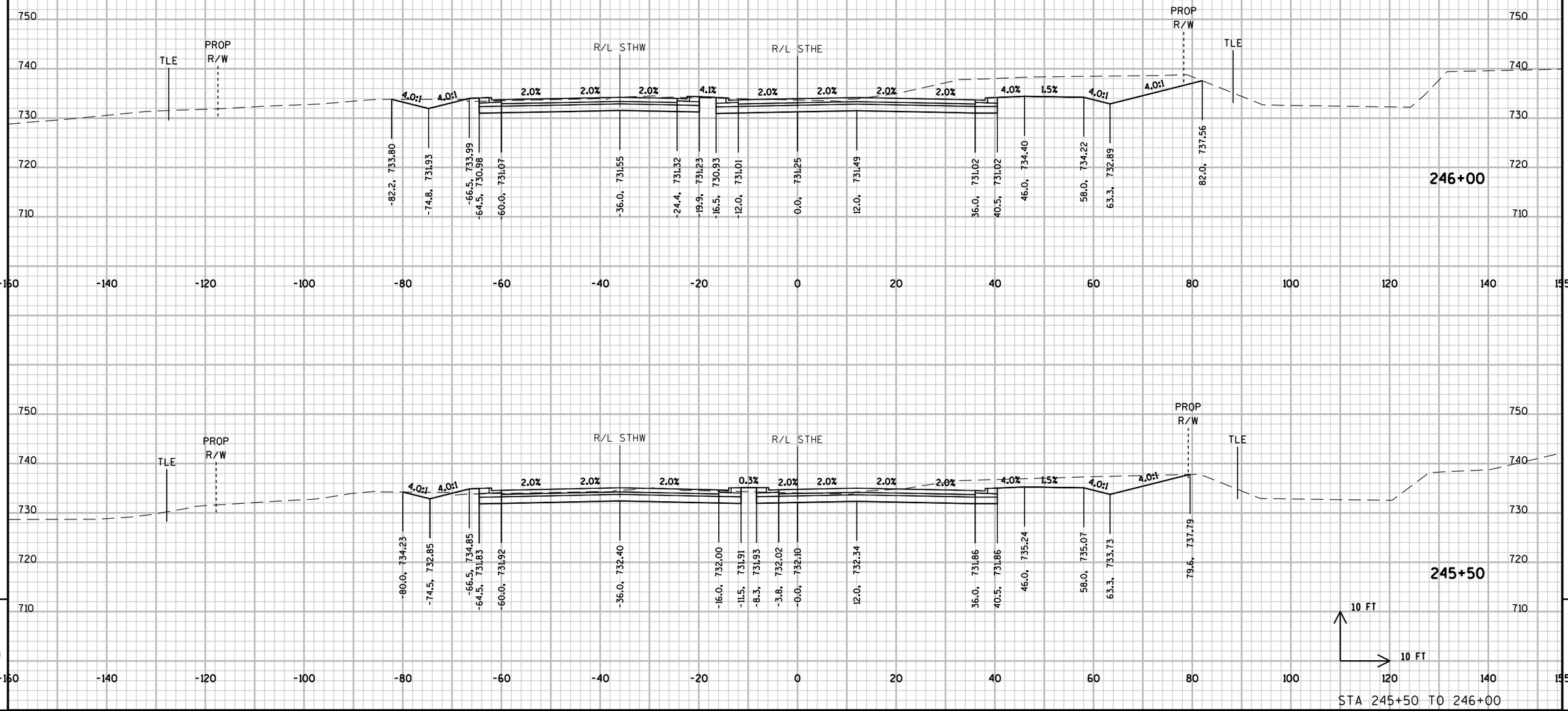
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\Xsec\376001205_STH_11.dgn PLOT DATE : 8/1/2025 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



STA 245+50 TO 246+00

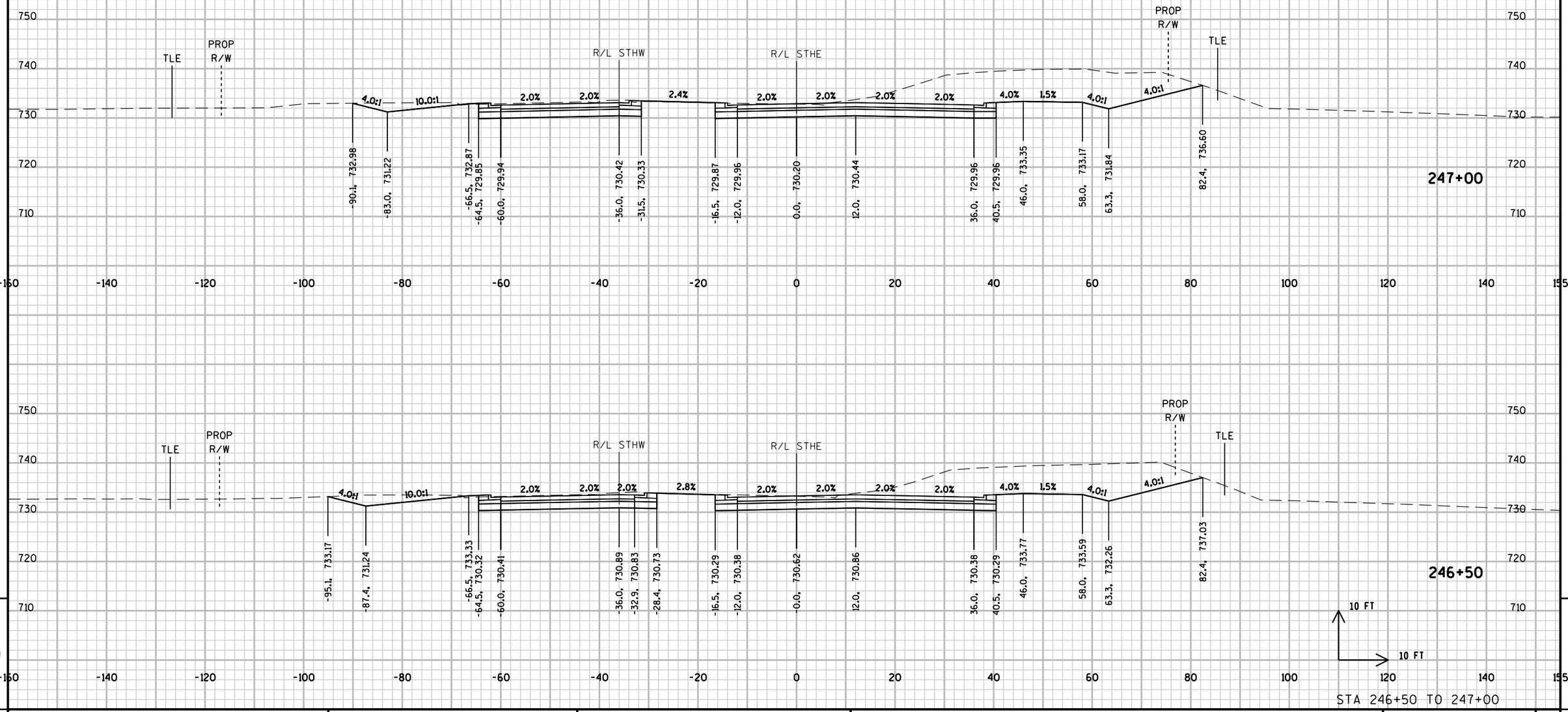
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PDP_Design\Xsections\245+50_246+00_STH_11.dgn PLOTTED BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



STA 246+50 TO 247+00

9

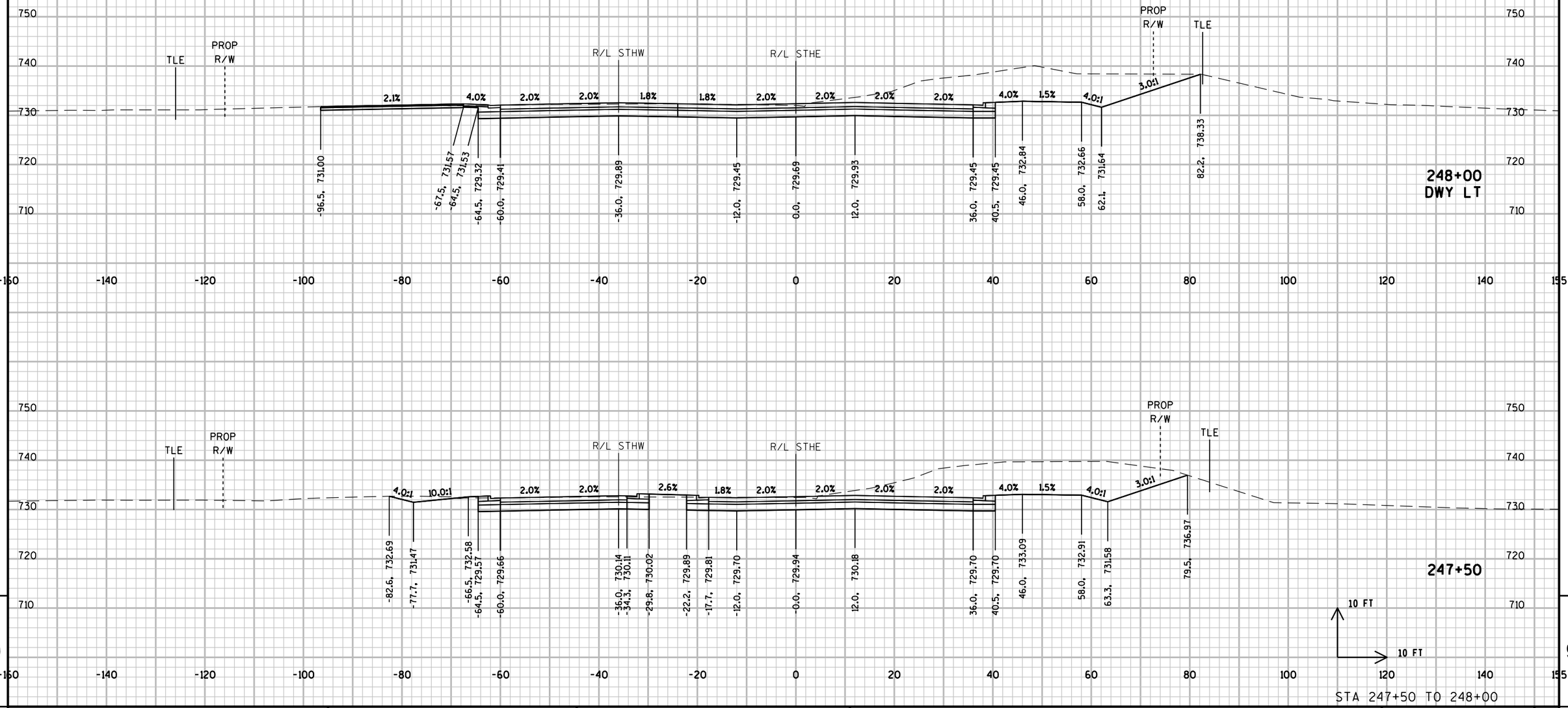
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 824	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PS&E\Design\Roadway\Sheets\STH_11.dgn PLOT DATE: 8/1/2025 10:00:53 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



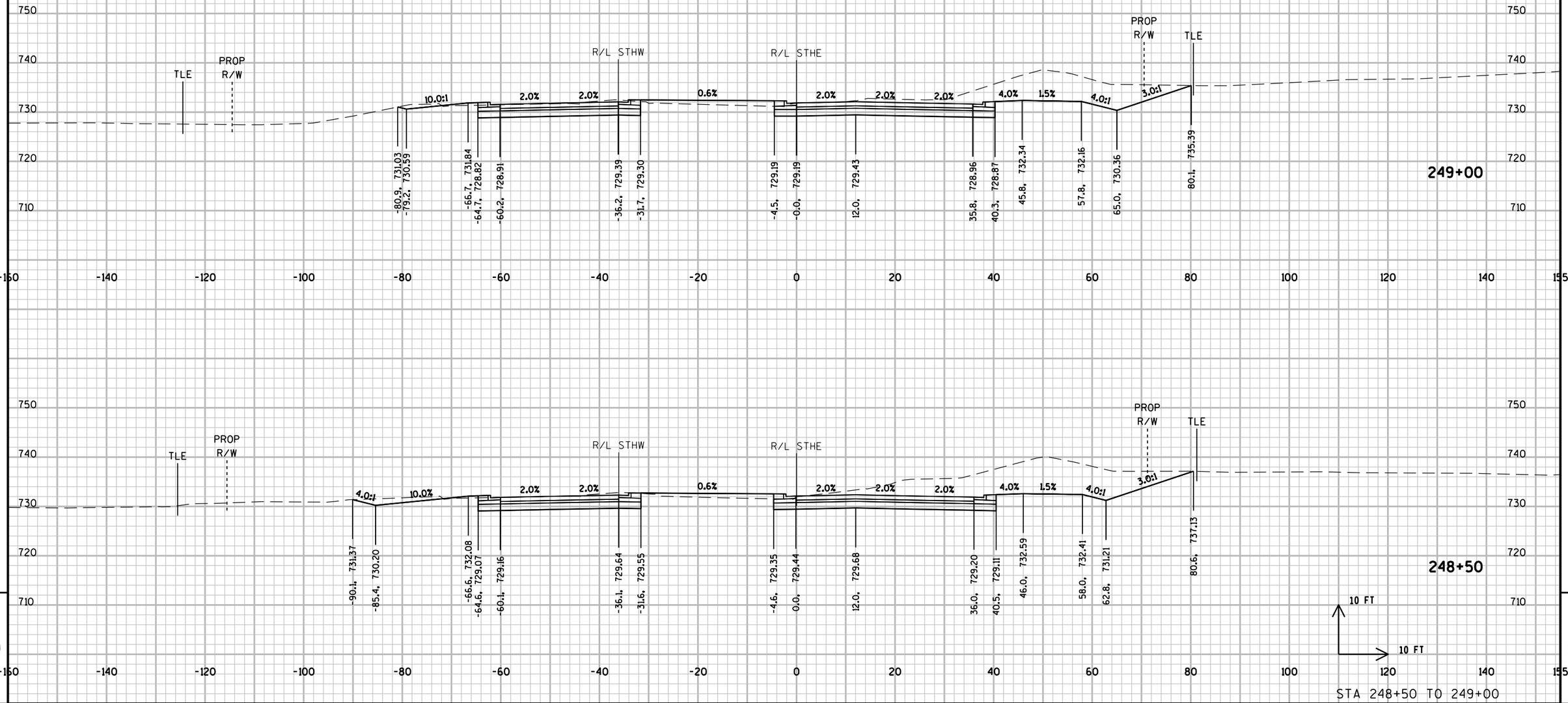
STA 247+50 TO 248+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 825 E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 12/20/2023 10:00:05 AM
STH_11.DGN PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



9

9

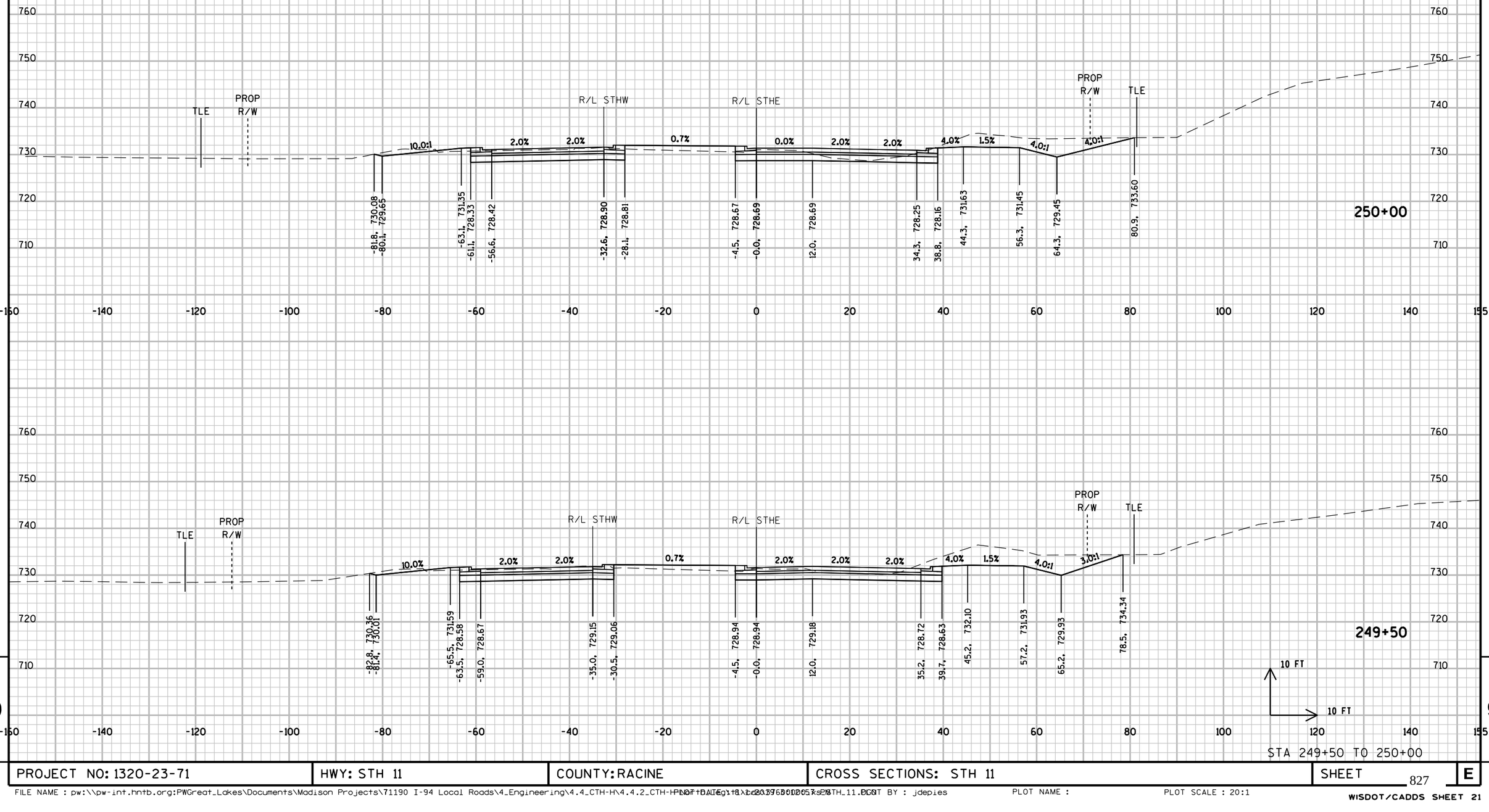
STA 248+50 TO 249+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



STA 249+50 TO 250+00

9

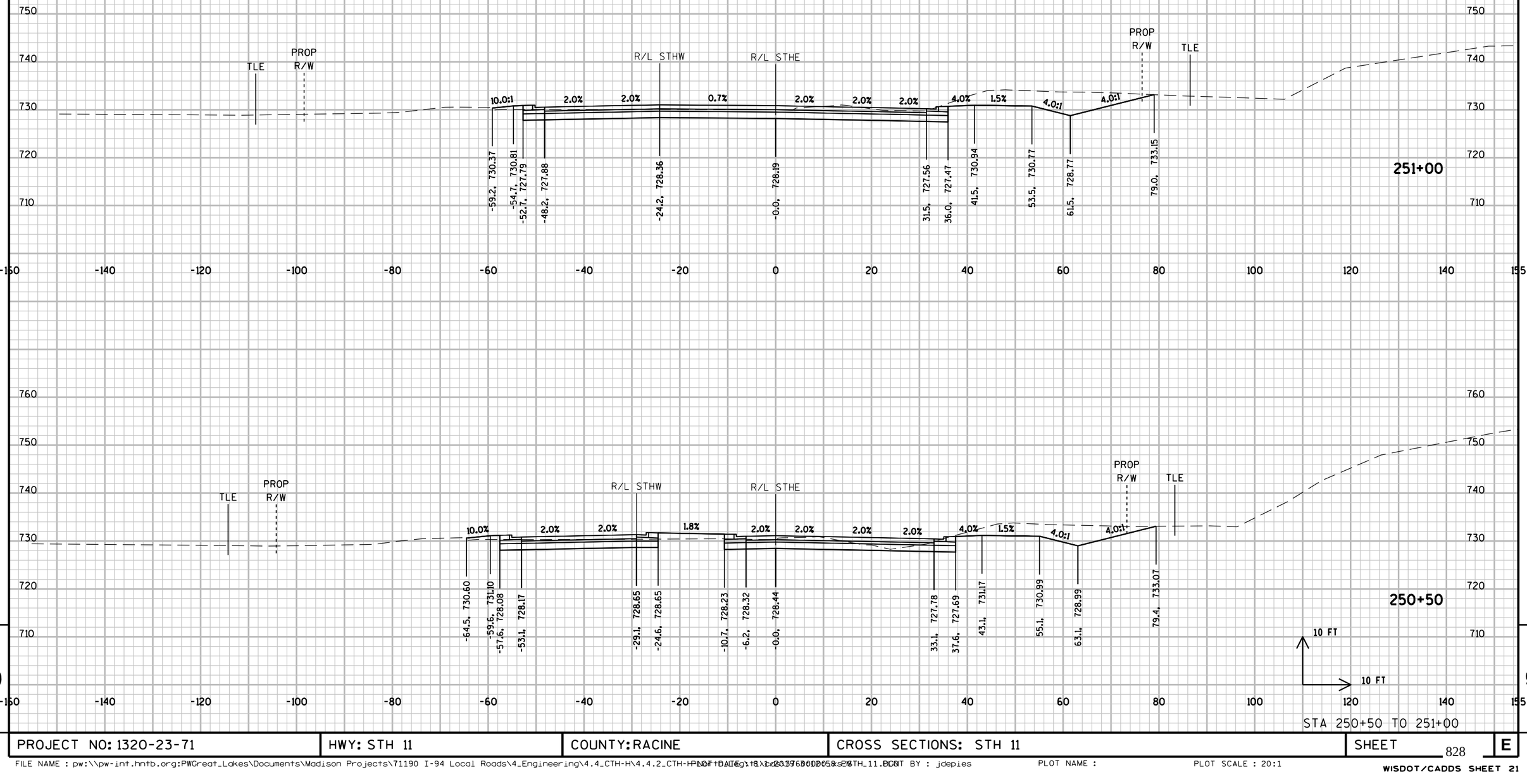
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 827	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/12/2025 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



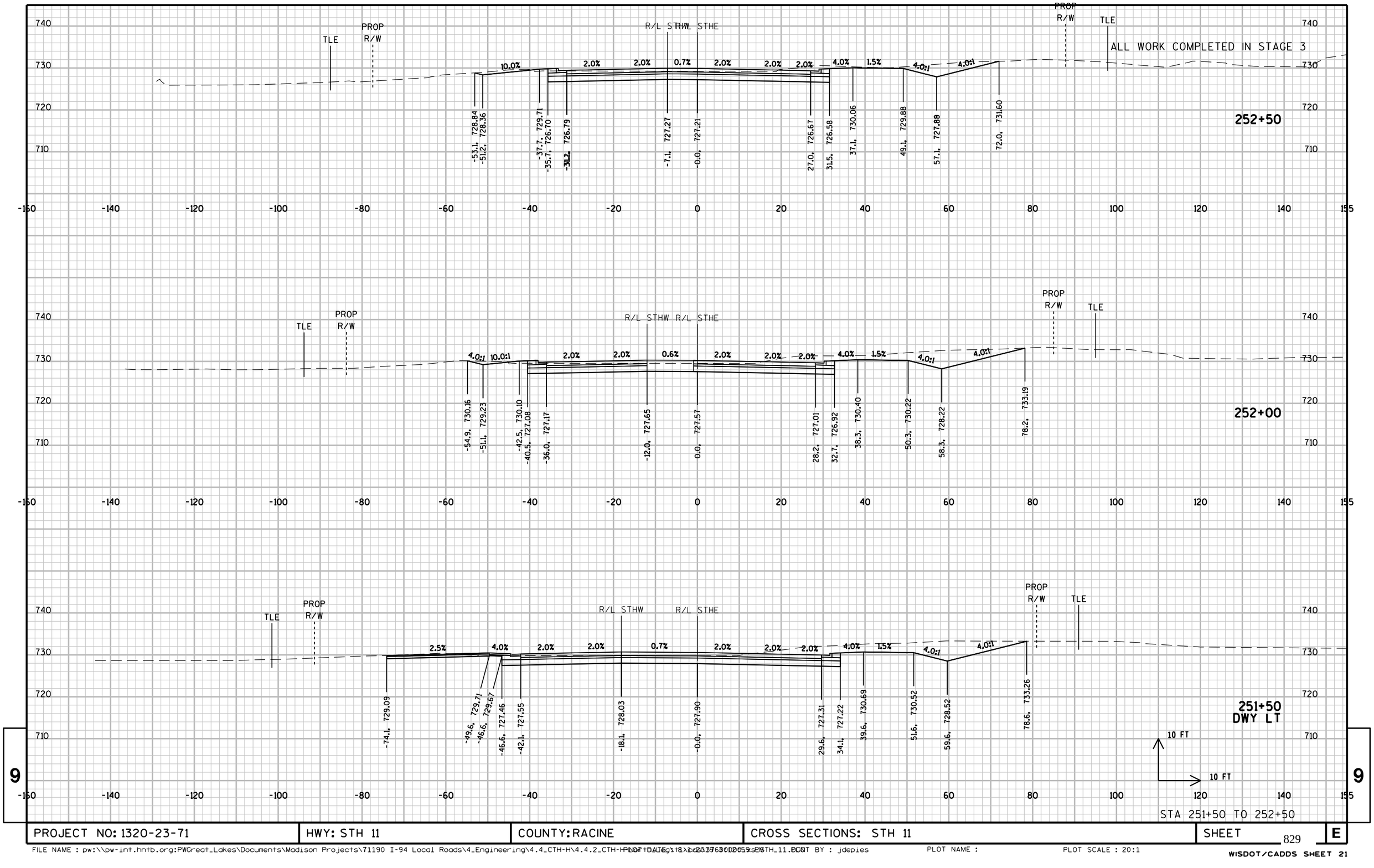
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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plots\Sheets\20376000058_STH_11.DGN PLOT DATE : 8/1/2023 PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

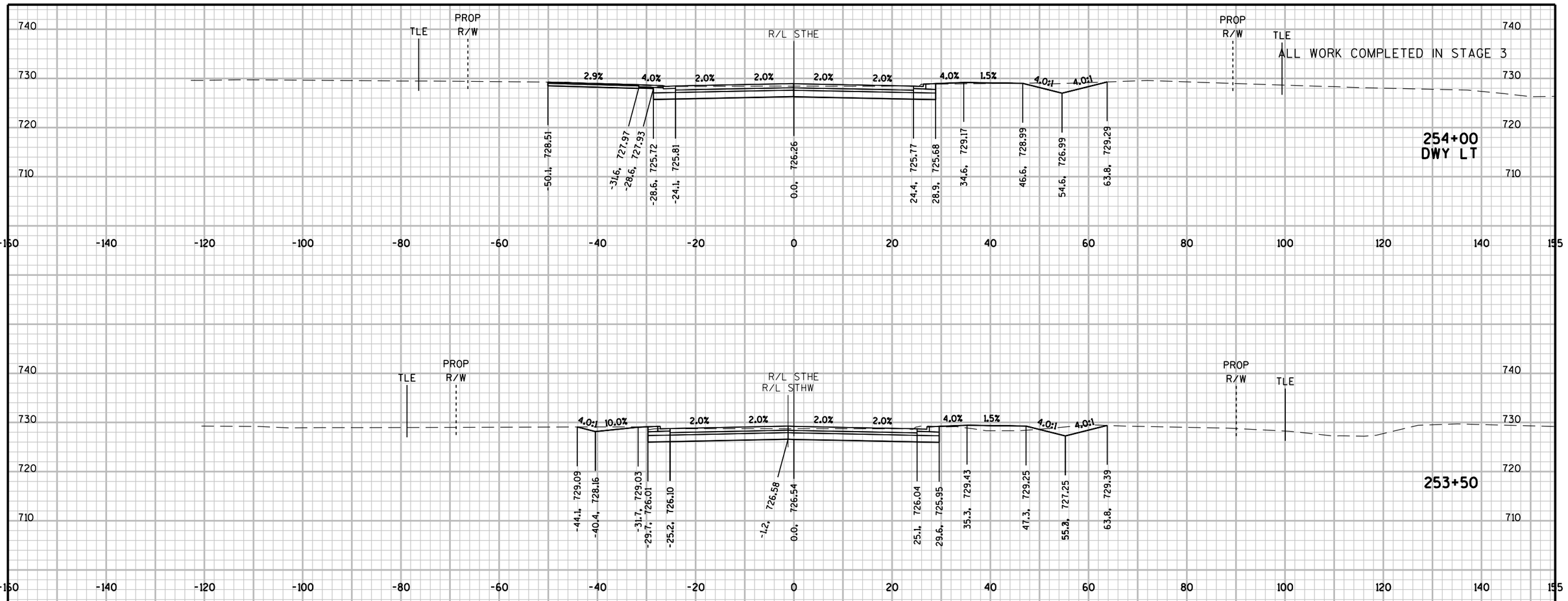
WISDOT/CADDS SHEET 21



PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 829	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/22/2025 9:00:05 AM
STH_11.DGN PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

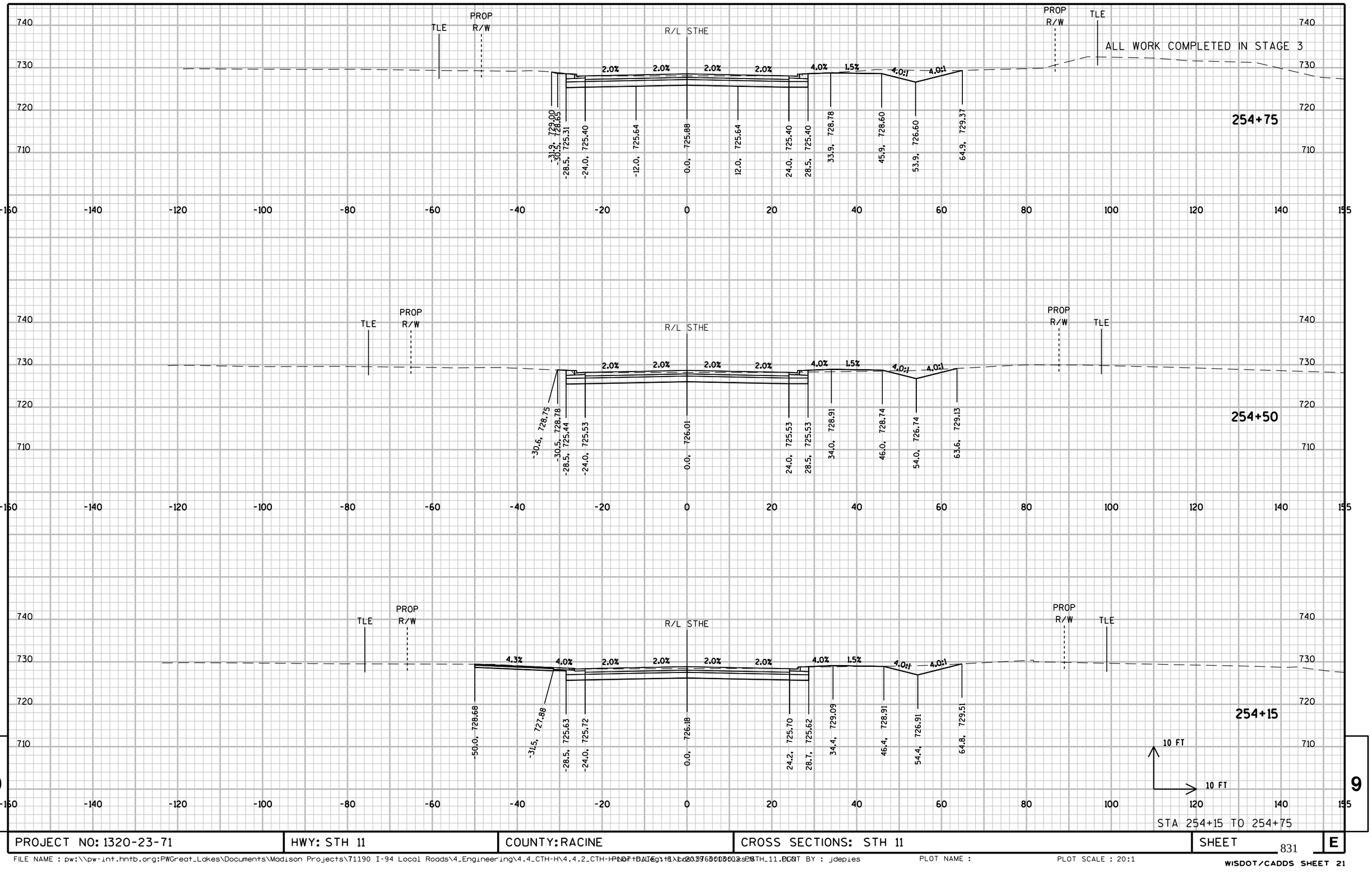
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STA 253+00 TO 254+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 830	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 8:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



STA 254+15 TO 254+75

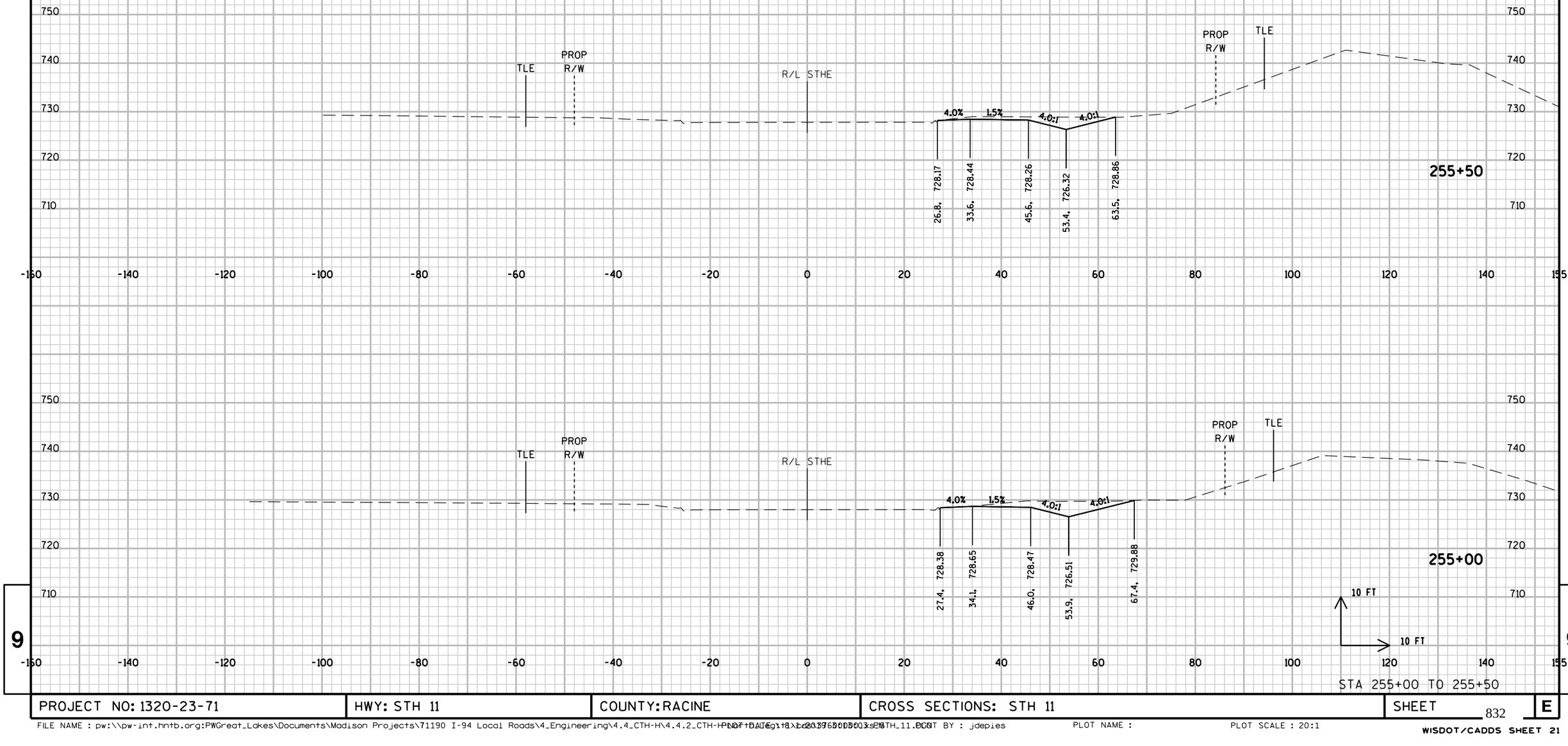
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 831	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile\Sheets\STH_11.dgn PLOT DATE: 8/1/2025 7:00:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

9 9

ALL WORK COMPLETED IN STAGE 3

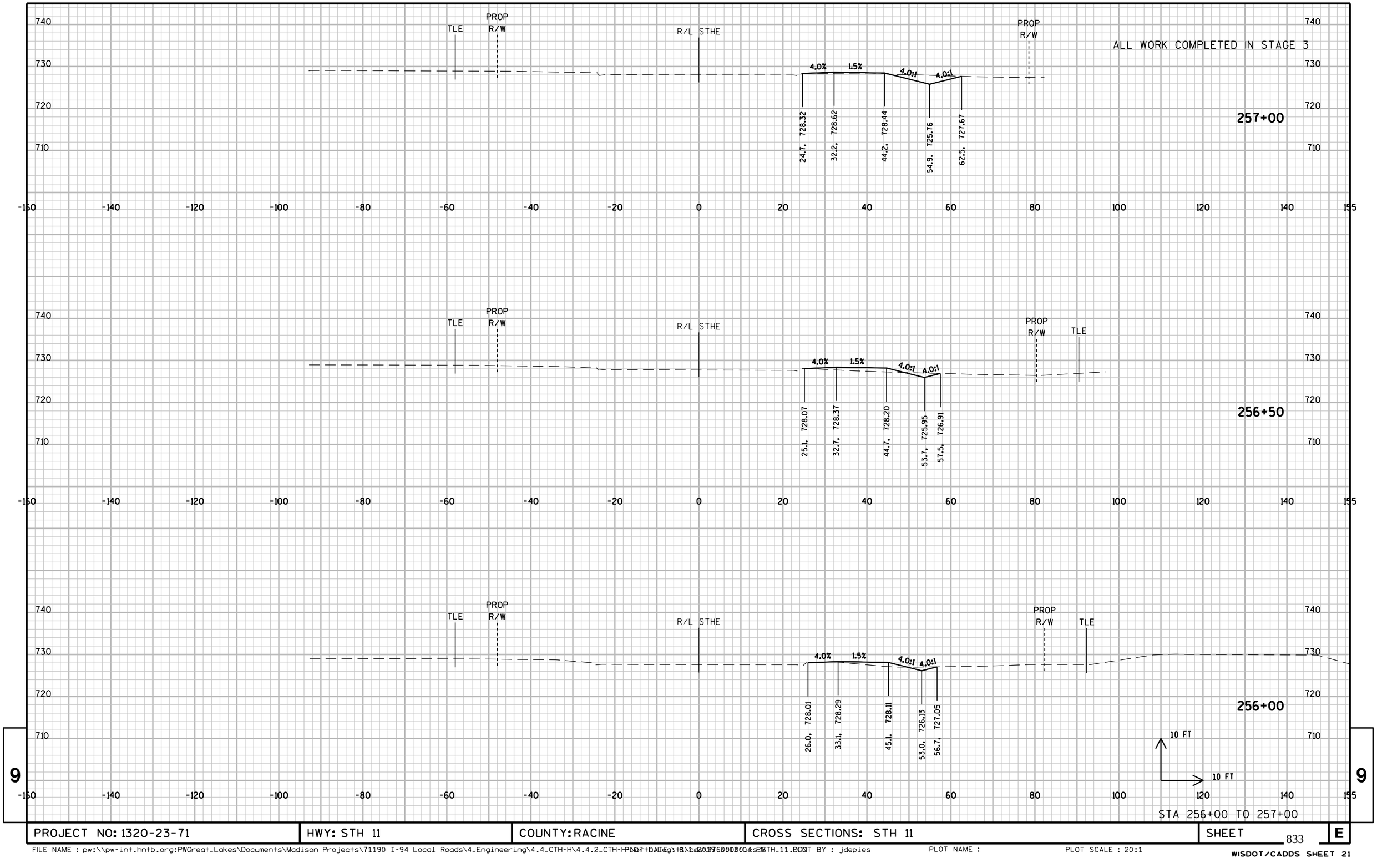


STA 255+00 TO 255+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET E

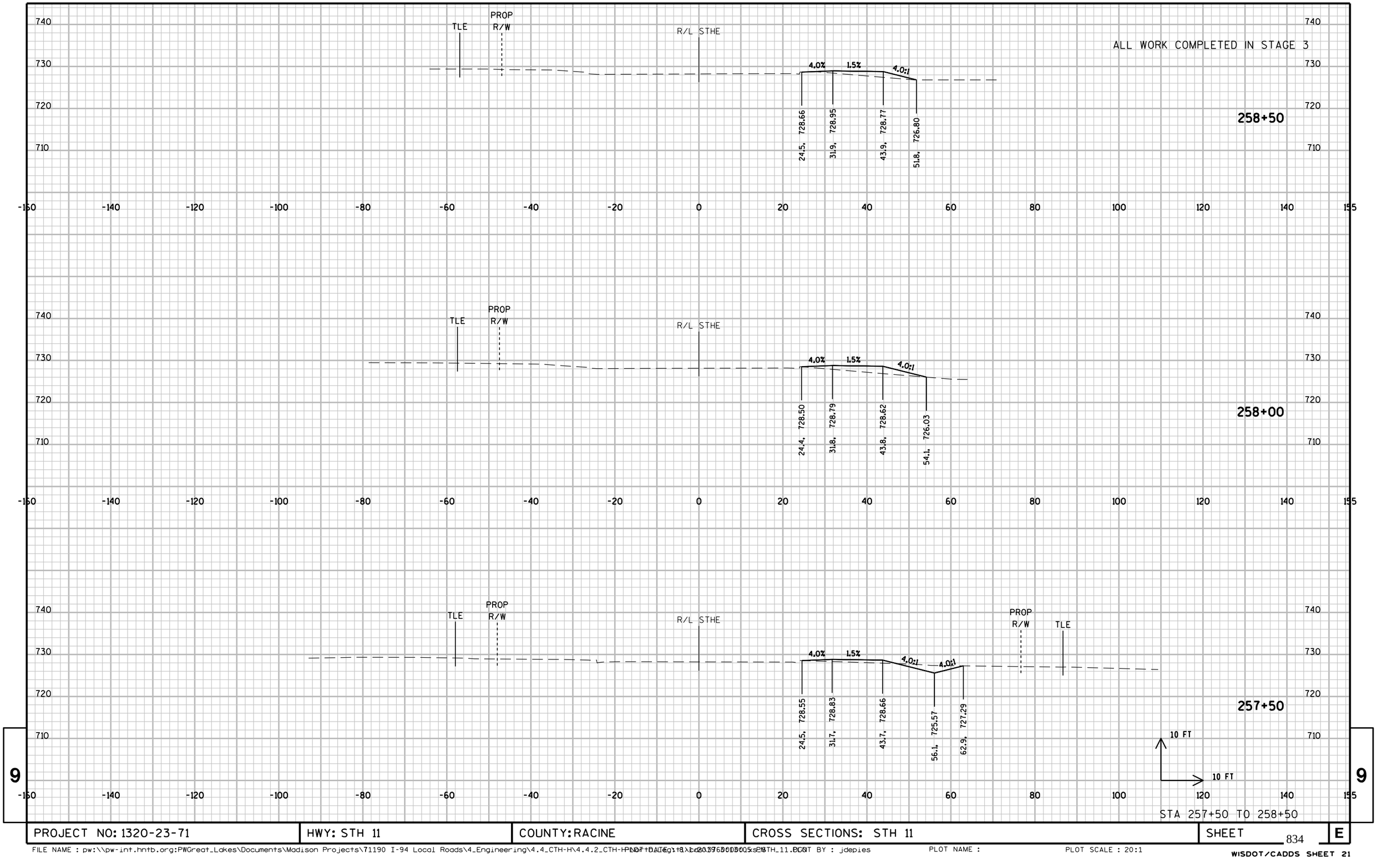
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WISDOT/CADDS SHEET 21



STA 256+00 TO 257+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 833	E

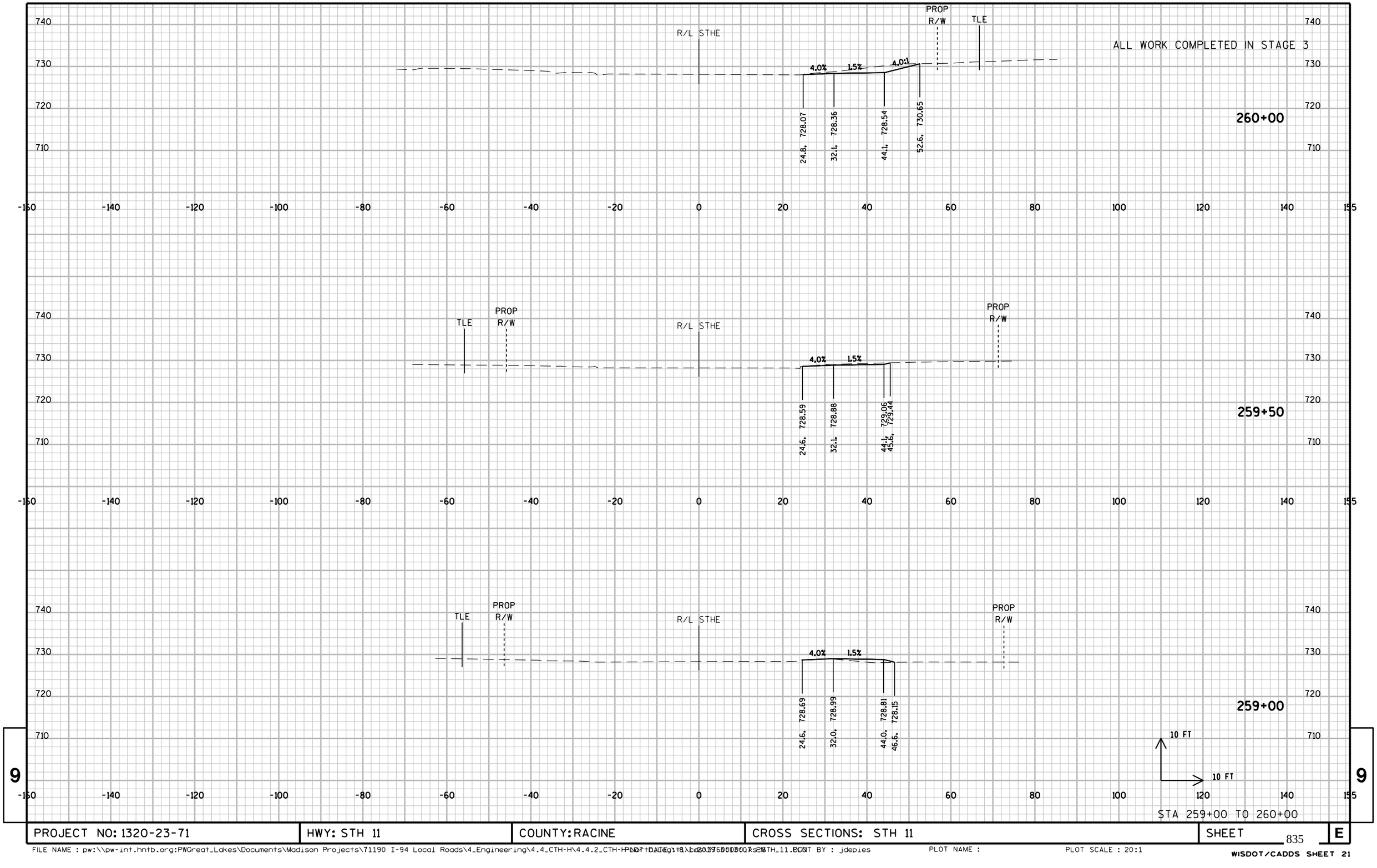


STA 257+50 TO 258+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 834	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 7:00:00 AM
PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



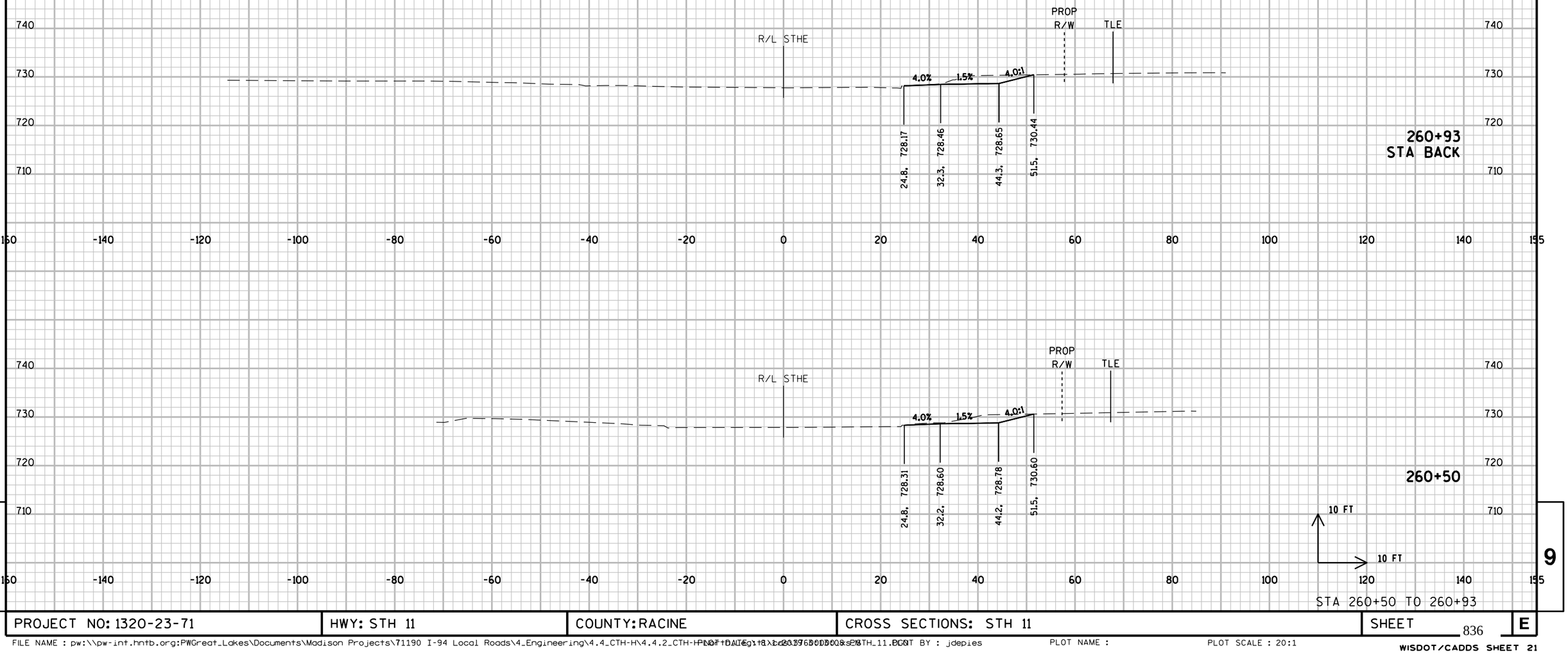
STA 259+00 TO 260+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET 835	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\259500_260000_STH_11.dgn PLOTTED BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

ALL WORK COMPLETED IN STAGE 3



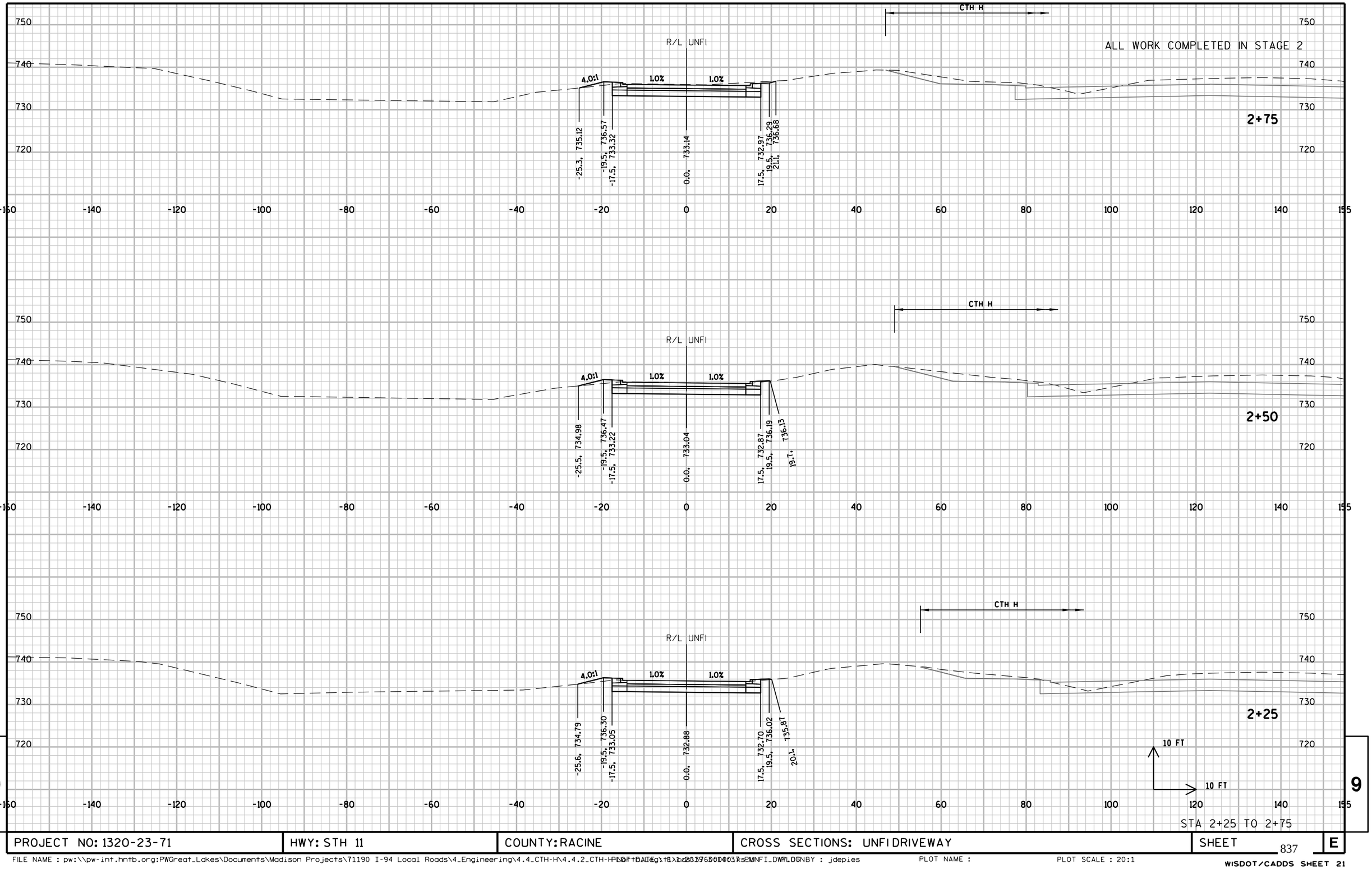
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9

STA 260+50 TO 260+93

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\260+93_260+50_STH_11.dgn PLOT DATE: 8/1/2023 7:50:00 AM PLOT BY : jdepies PLOT NAME : PLOT SCALE : 20:1



STA 2+25 TO 2+75

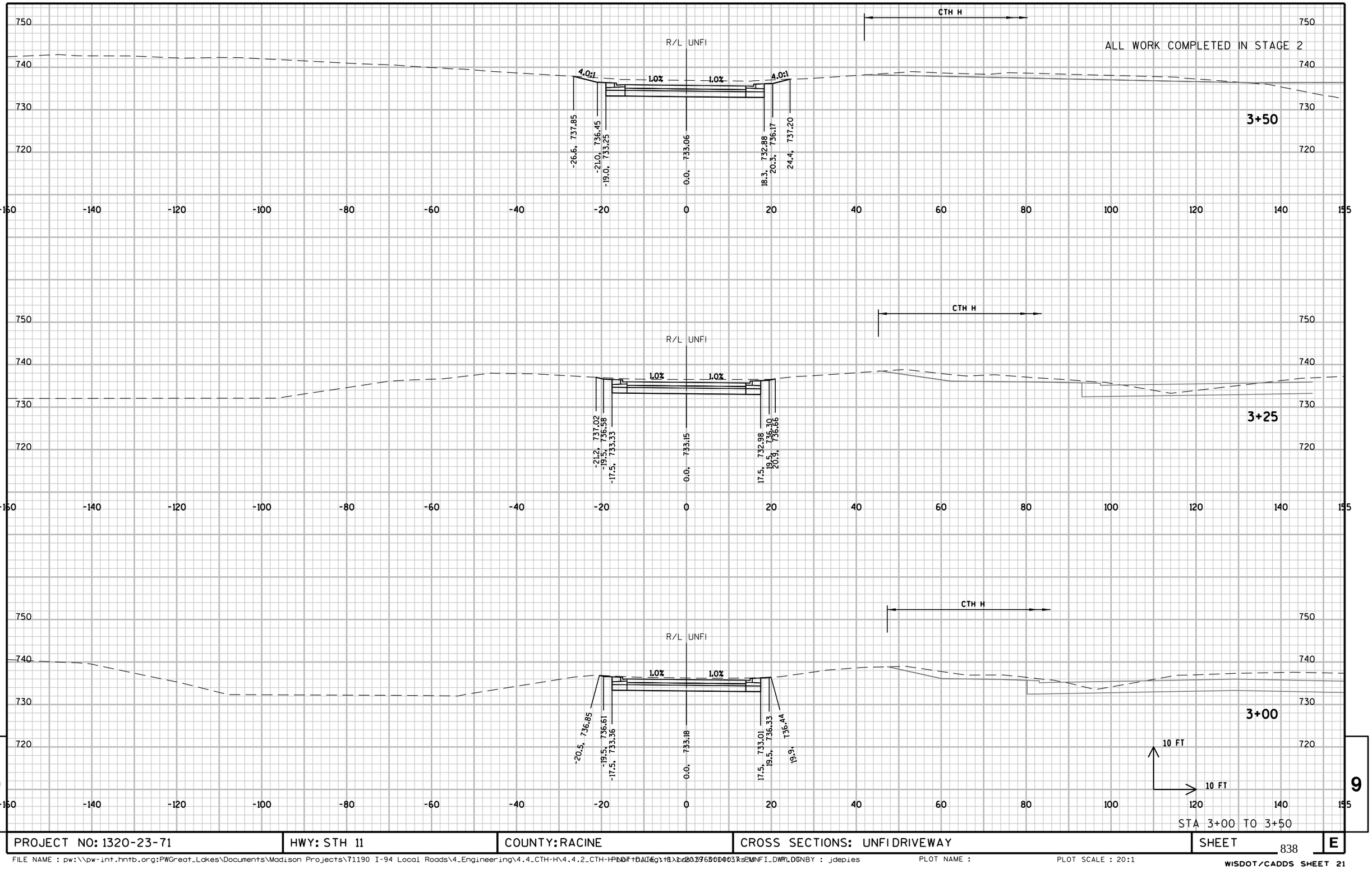
9

9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: UNFI DRIVEWAY	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_DGN\Tabular\8x11_20376001_0037_SUNFI_DWF.dgn PLOT DATE : 8/1/2023 PLOTTED BY : jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



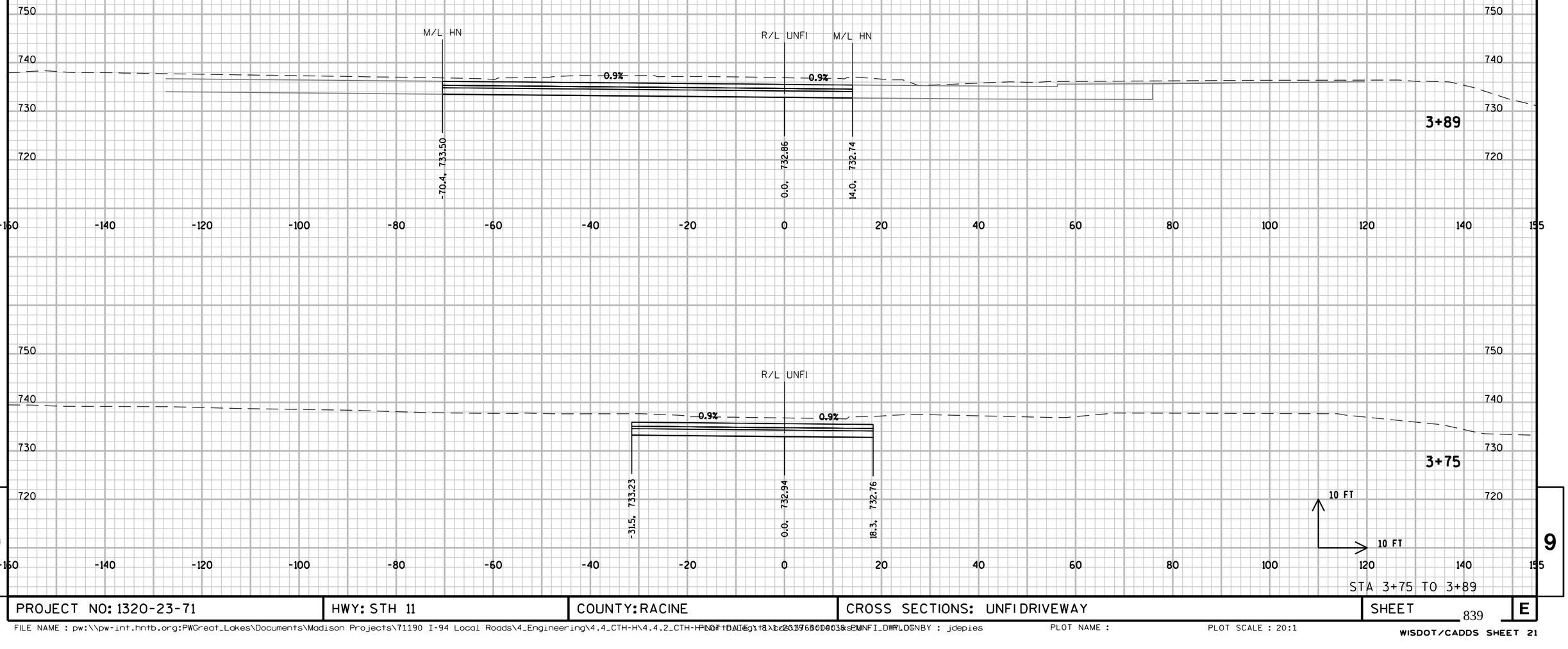
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9

STA 3+00 TO 3+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: UNFI DRIVEWAY	SHEET 838	E

ALL WORK COMPLETED IN STAGE 2



STA 3+75 TO 3+89

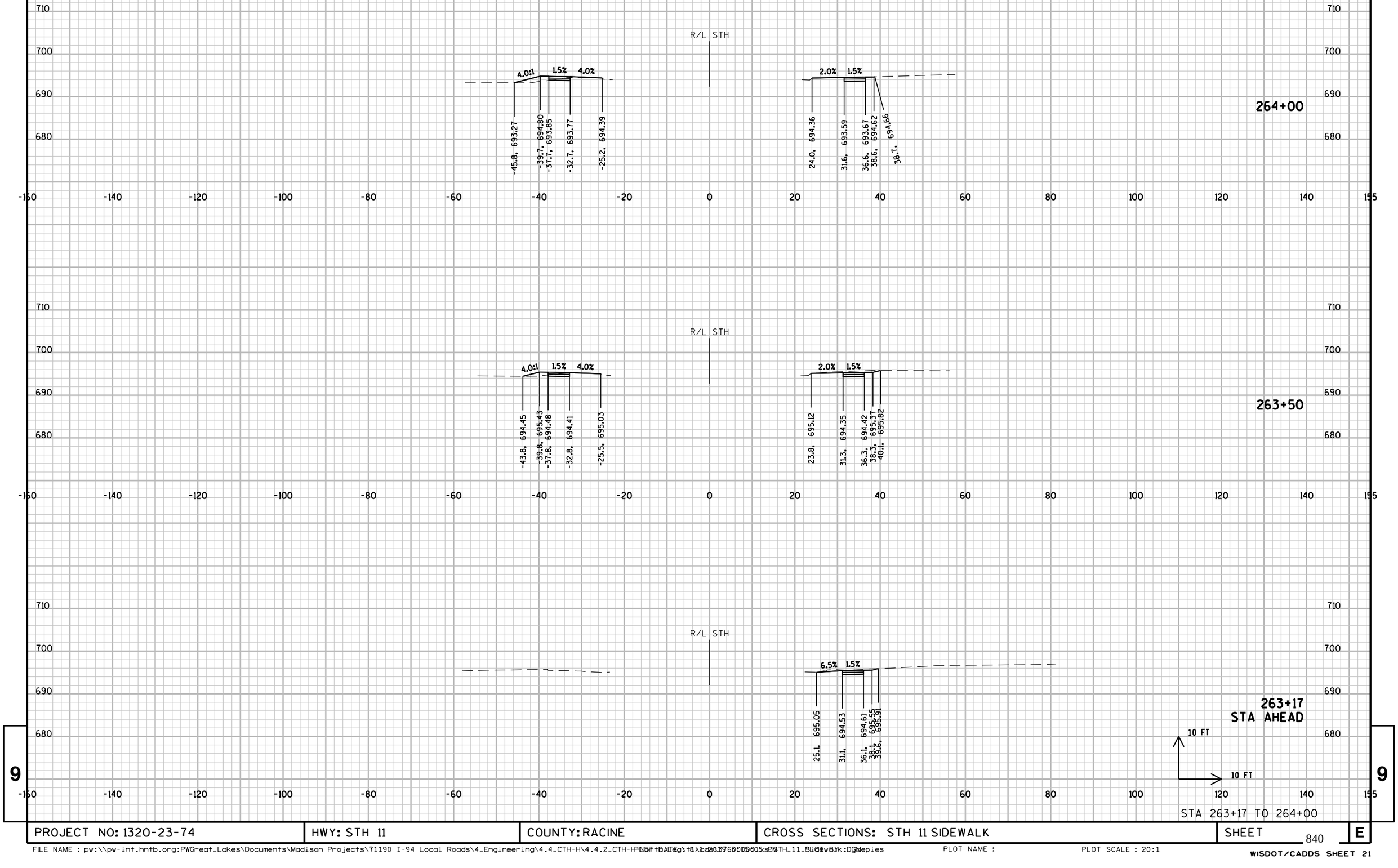
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9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: UNFI DRIVEWAY	SHEET 839	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE : 8/1/2025 8:00:00 AM PLOT BY : jdepies PLOT NAME : UNFI_DW.PLOT PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11 SIDEWALK	SHEET 840 E

STA 263+17 TO 264+00

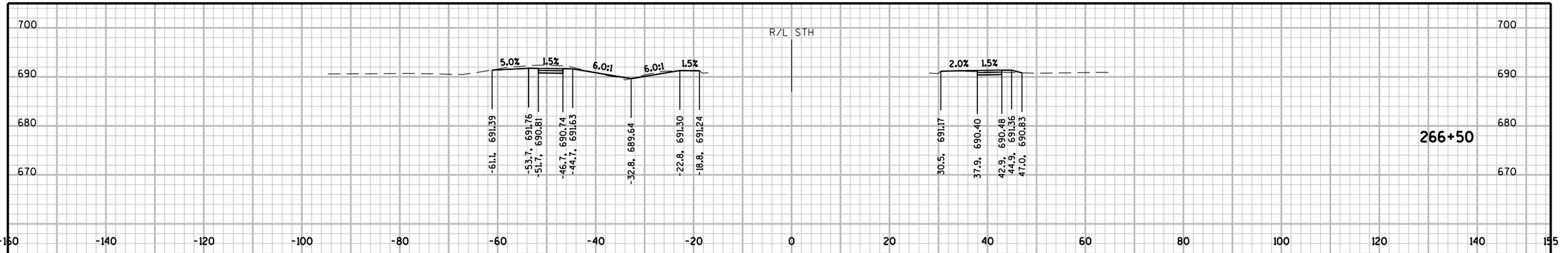
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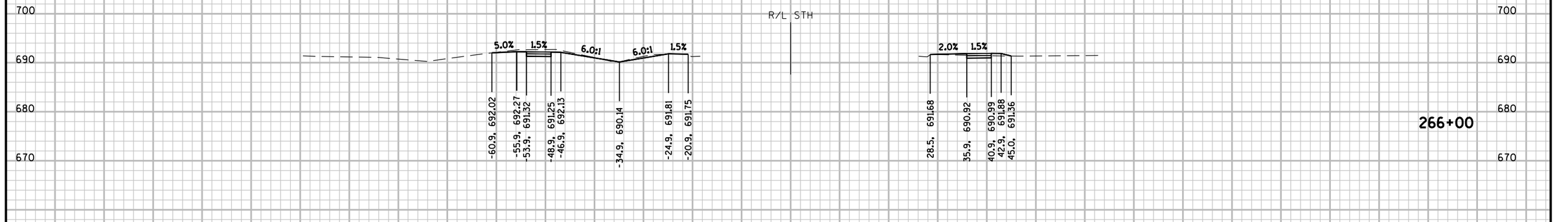
STA 264+50 TO 265+40

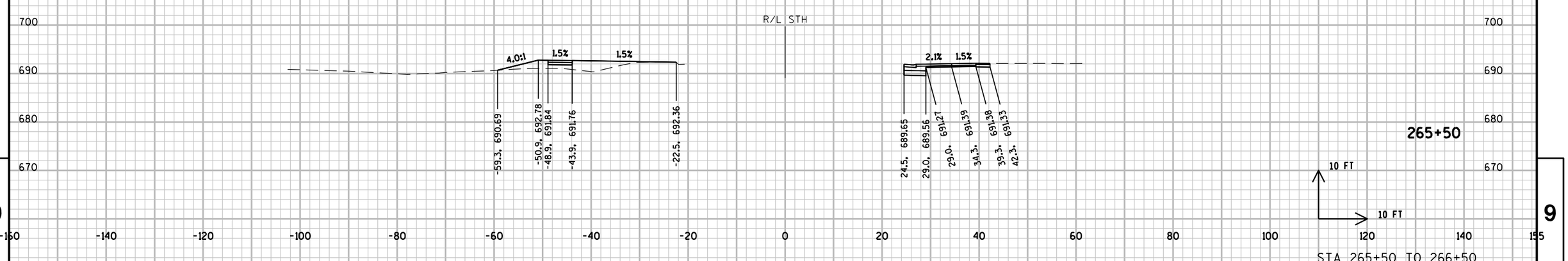
PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11 SIDEWALK	SHEET E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Files\8x11_Cross Sections\STH_11_Sidewalk.dgn
PLOT DATE : 8/26/2025 5:05:25 PM
PLOT NAME :
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21







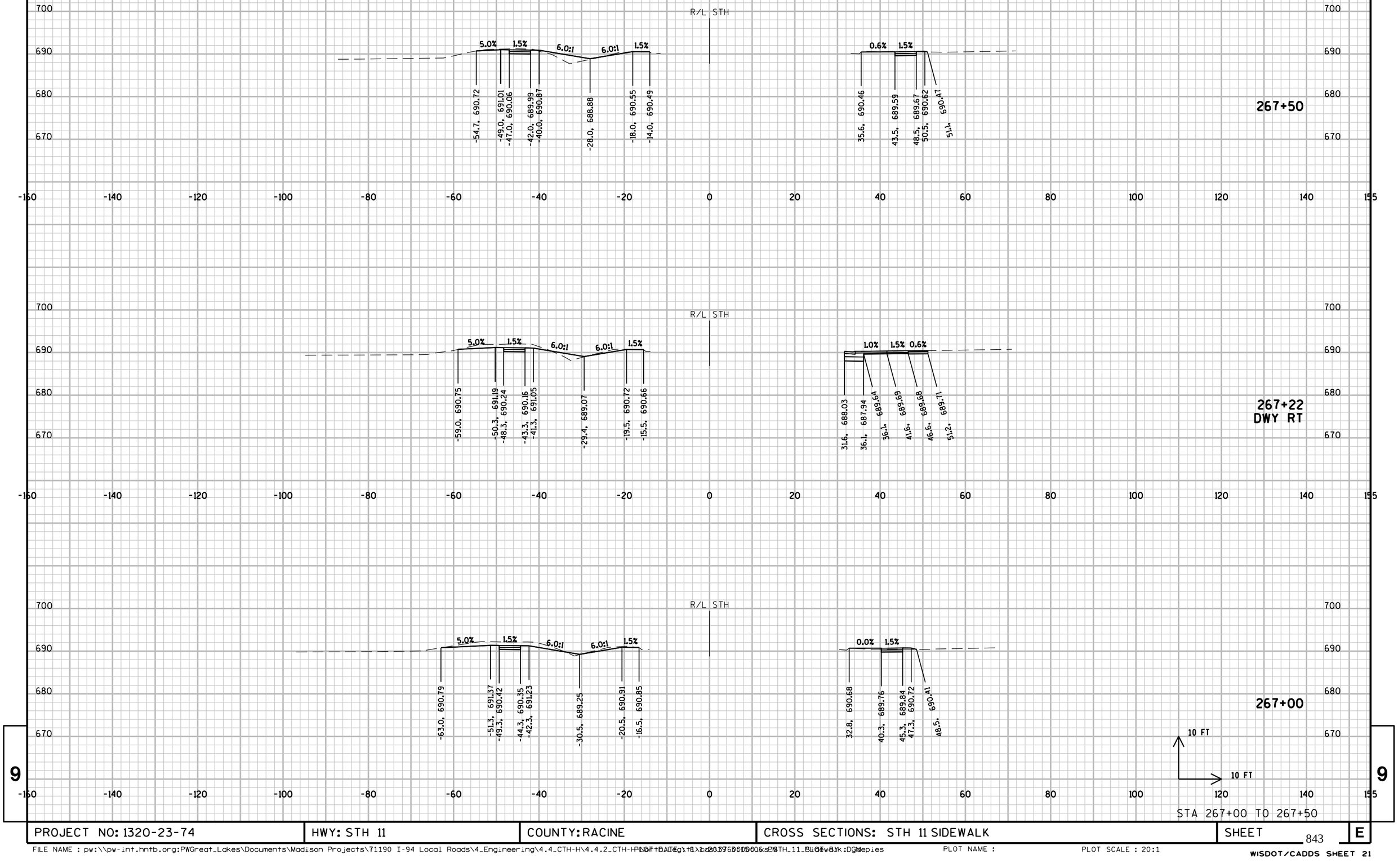
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9

STA 265+50 TO 266+50

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11 SIDEWALK	SHEET 842	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 7:50:00 AM
STH_11_Sidewalk_DGNs\STH_11_Sidewalk_DGNs\STH_11_Sidewalk_DGNs\



9

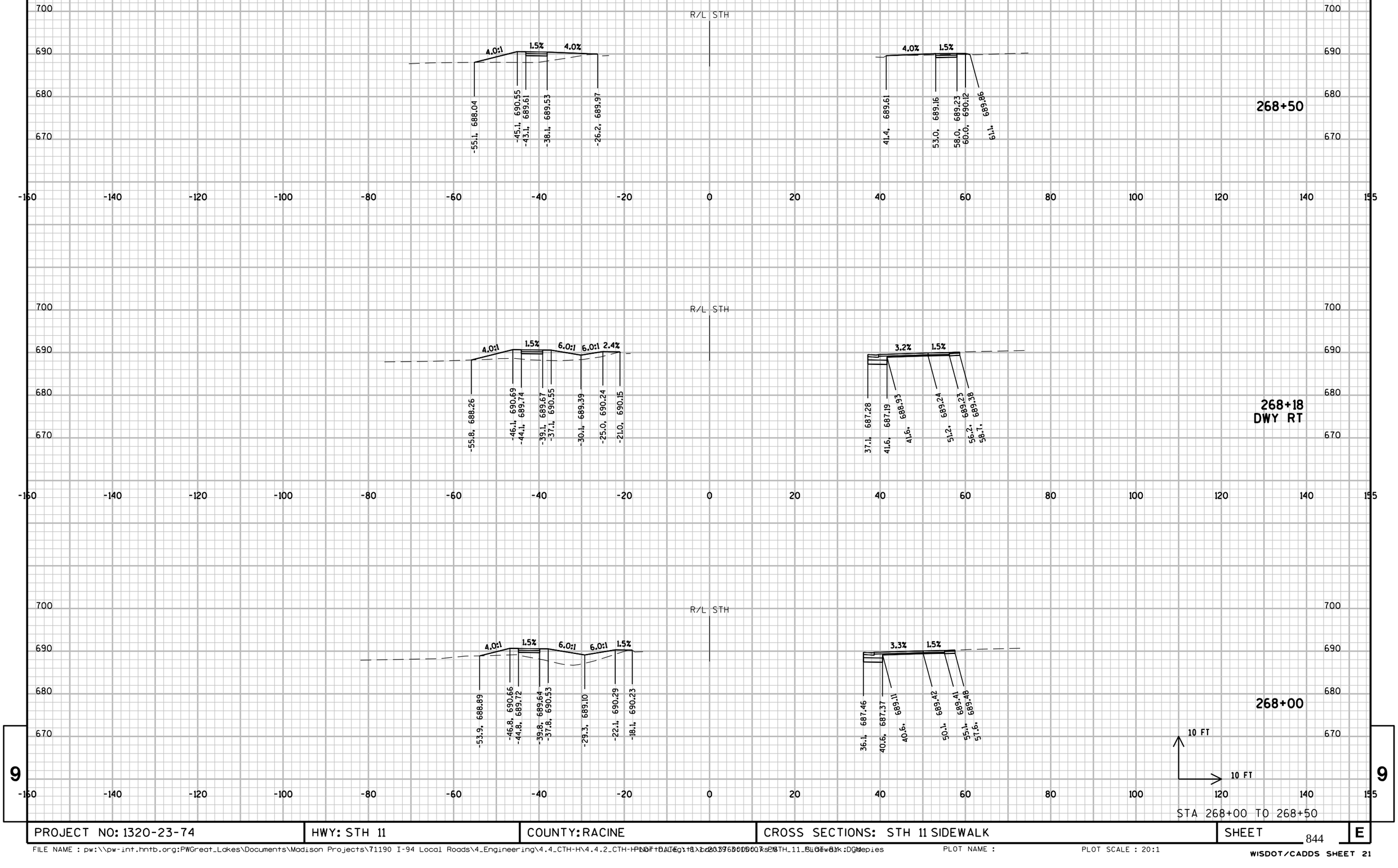
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STA 267+00 TO 267+50

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11 SIDEWALK	SHEET 843	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plans\Sheets\20376500006_STH_11_Sidewalk_DGNs.dgn PLOT DATE : 8/22/2023 PLOT NAME : PLOT SCALE : 20:1

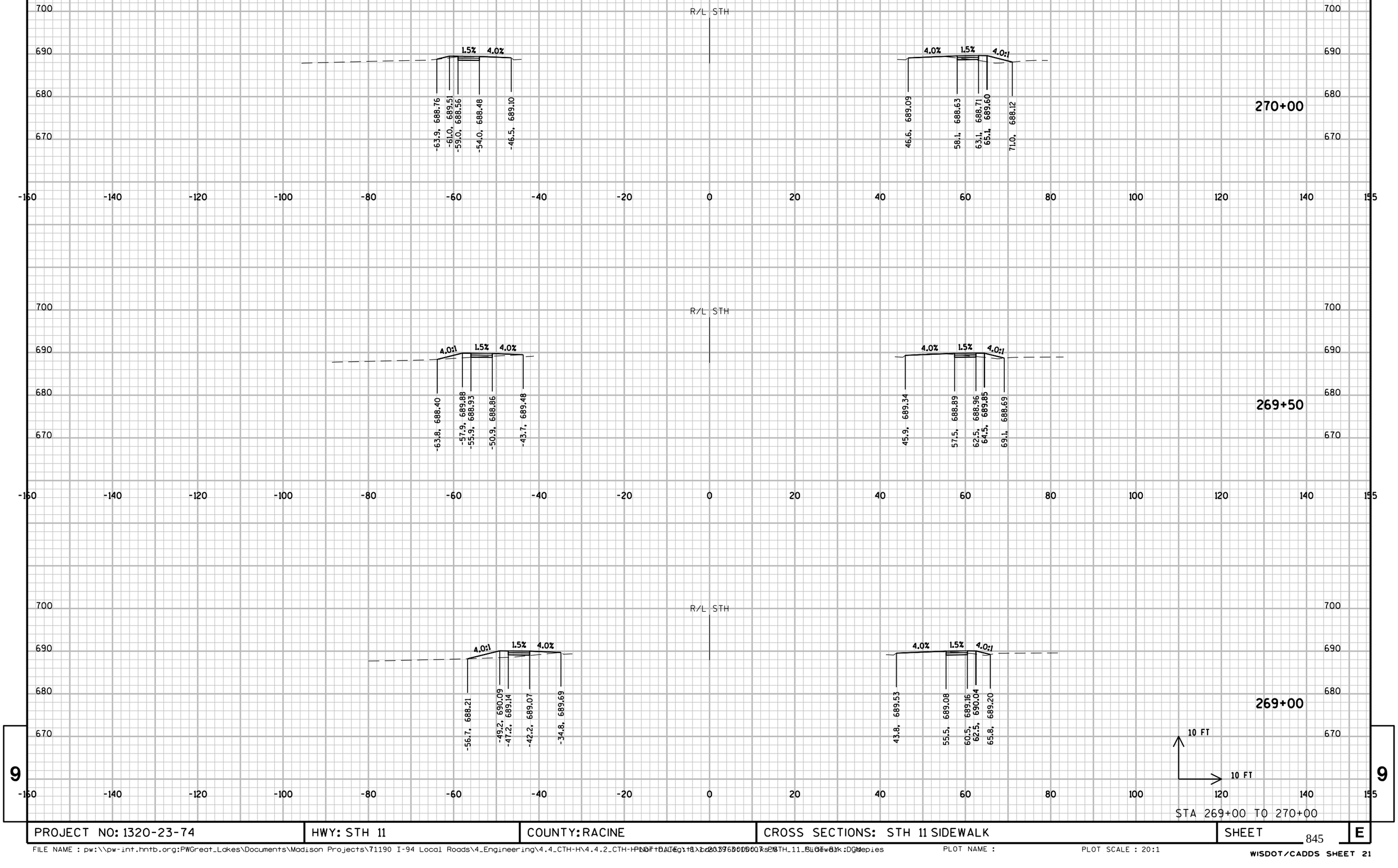
WISDOT/CADDS SHEET 21



9

STA 268+00 TO 268+50

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11 SIDEWALK	SHEET 844	E



9

9

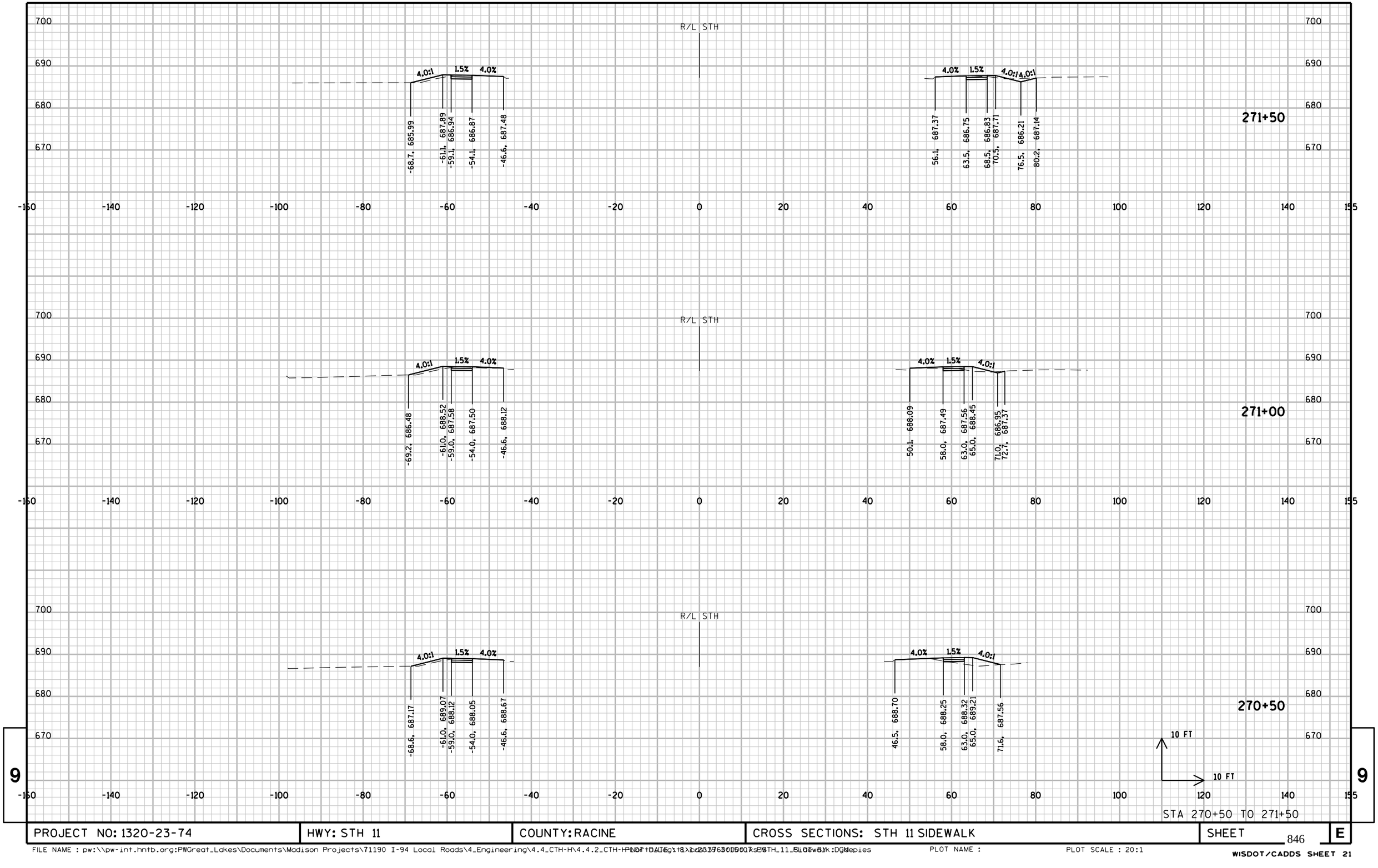
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FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_DGN\[illegible]

PLOT NAME :

PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

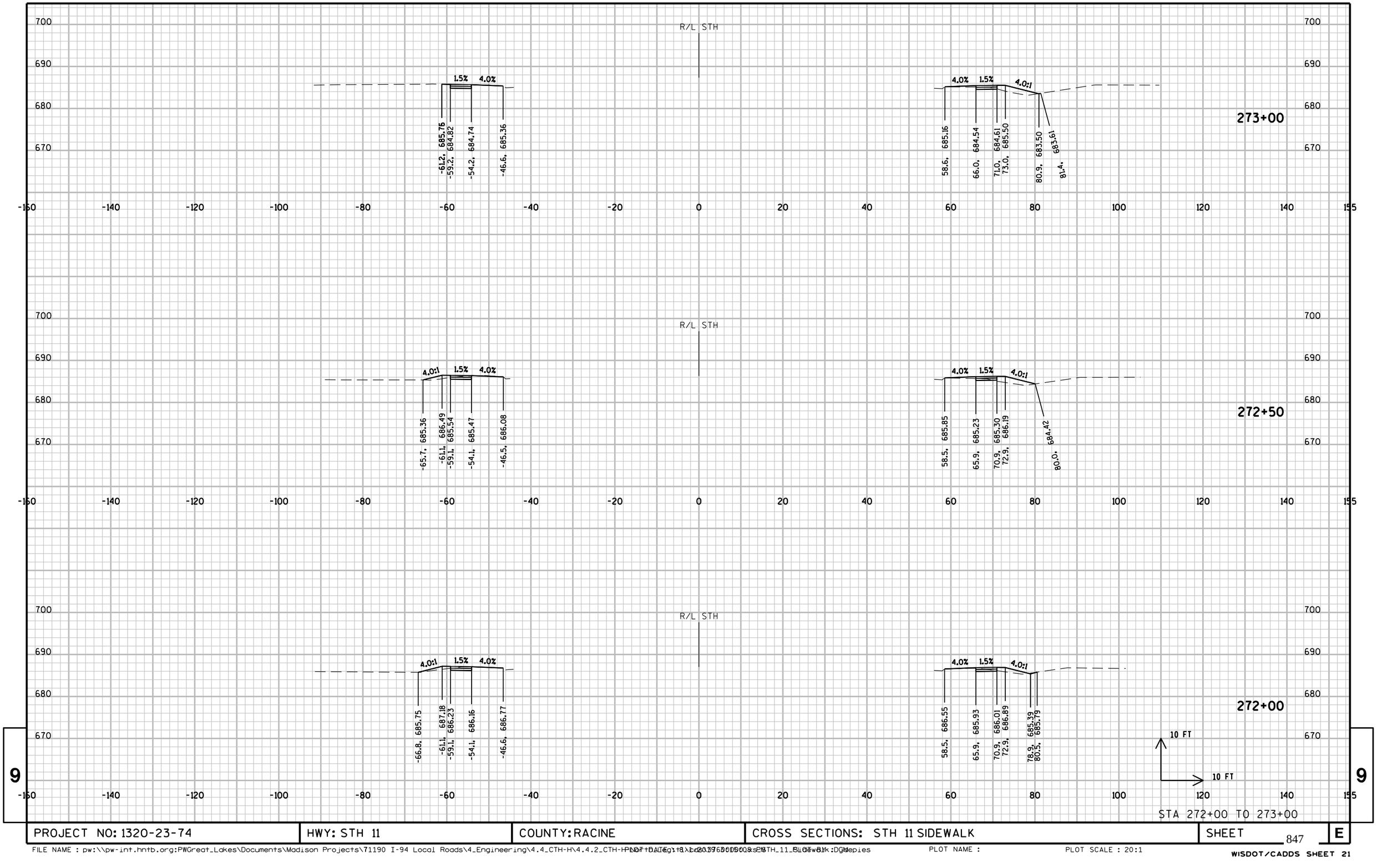


9

9

STA 270+50 TO 271+50

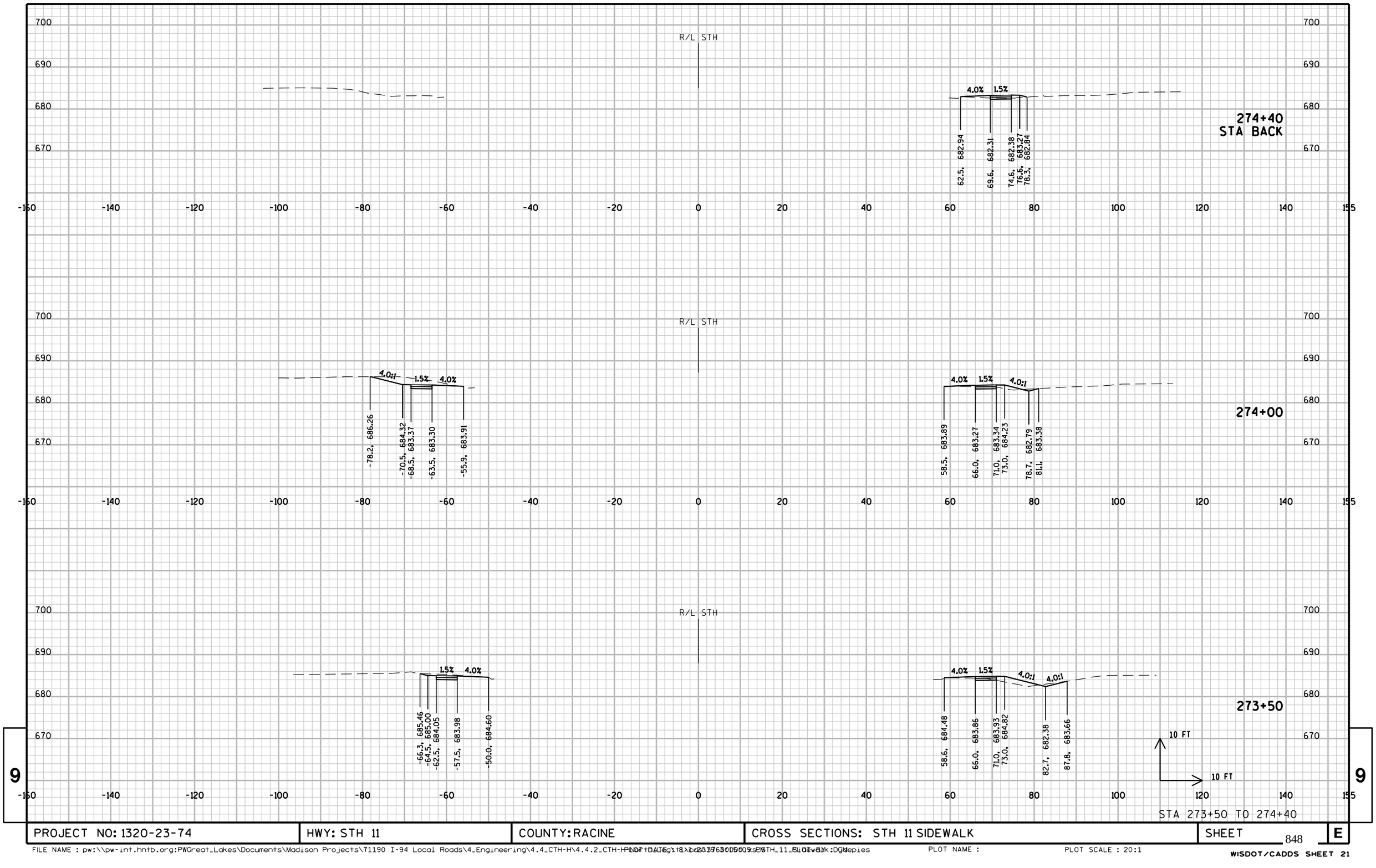
PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11 SIDEWALK	SHEET 846	E



STA 272+00 TO 273+00

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11 SIDEWALK	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PDF_Figures\1320376500DSK8_STH_11_Sidewalk_DGN.pdf PLOT DATE : 8/1/2023 PLOT NAME : PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21



STA 273+50 TO 274+40

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: STH 11 SIDEWALK	SHEET 848	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 7:50:00 AM
STH_11_Sidewalk.dgn
PLOT NAME :
PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

690
680
670

1.5%

-56.0, 682.64
-55.9, 682.62
-53.9, 681.67
-48.9, 681.60
-48.5, 682.50

98+00

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

690
680
670

1.5% 9.4%

-63.2, 683.18
-63.0, 683.24
-61.0, 682.29
-56.0, 682.22
-48.5, 682.43

97+50

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

690
680
670

1.5% 9.8:1

-63.5, 683.00
-63.0, 682.88
-61.0, 681.93
-56.0, 681.86
-48.5, 682.01

97+43
STA AHEAD

10 FT
10 FT

STA 97+43 TO 98+00

-160 -140 -120 -100 -80 -60 -40 -20 0 20 40 60 80 100 120 140 155

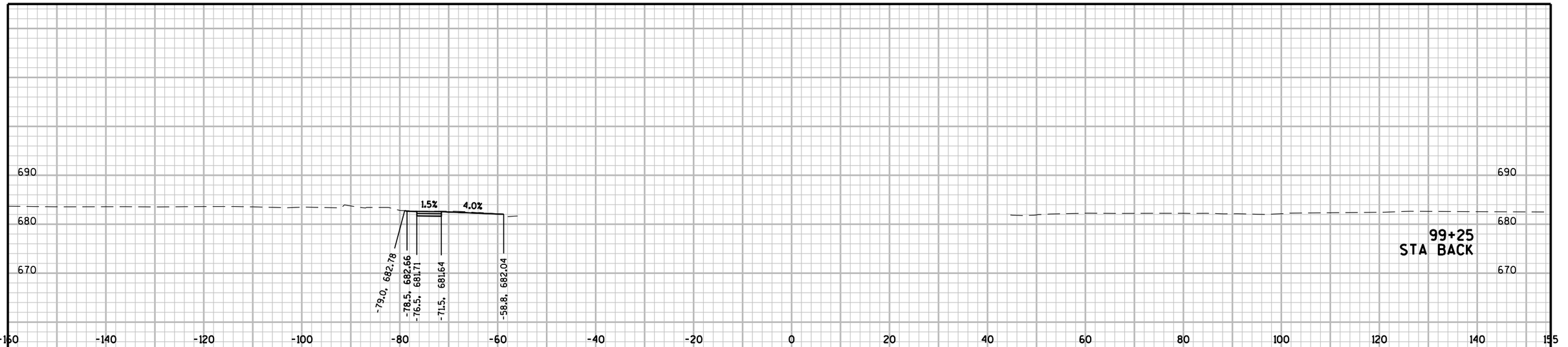
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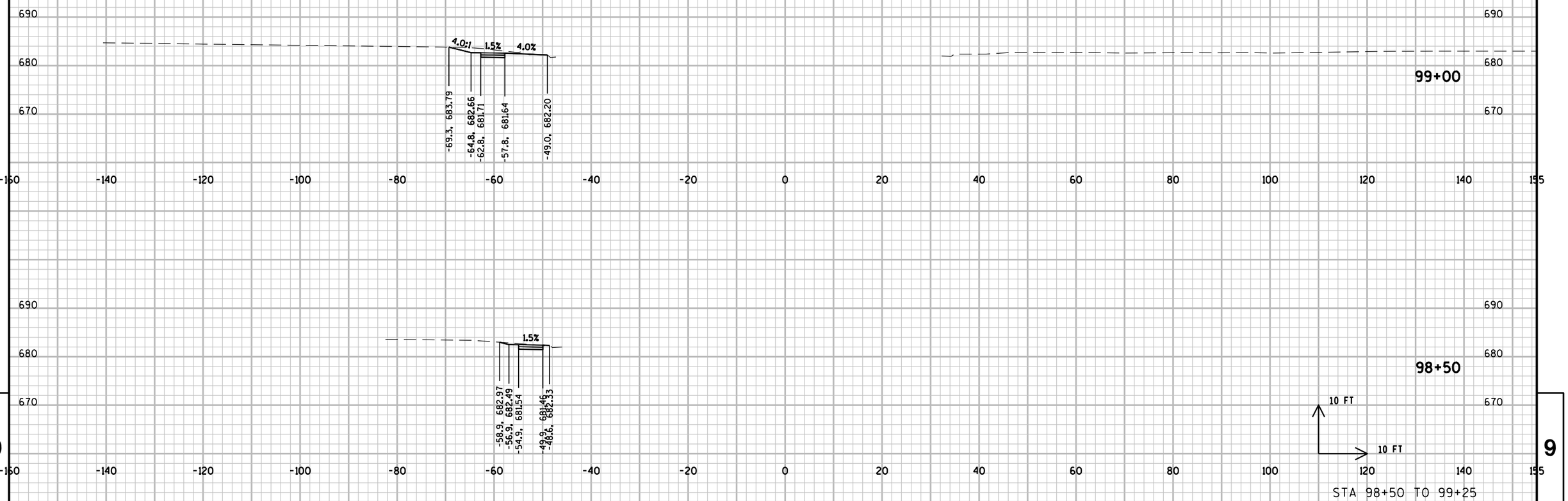
9

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: WILLOW ROAD SIDEWALK	SHEET 849	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PlotFiles\Willow_Sidewalk.dgn PLOT DATE : 8/23/2023 8:00:00 AM PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21





STA 98+50 TO 99+25

9

9

PROJECT NO: 1320-23-74	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: WILLOW ROAD SIDEWALK	SHEET 850	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE = 8/1/2025 8:00:00 AM PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

STA 240+21 TO 241+00

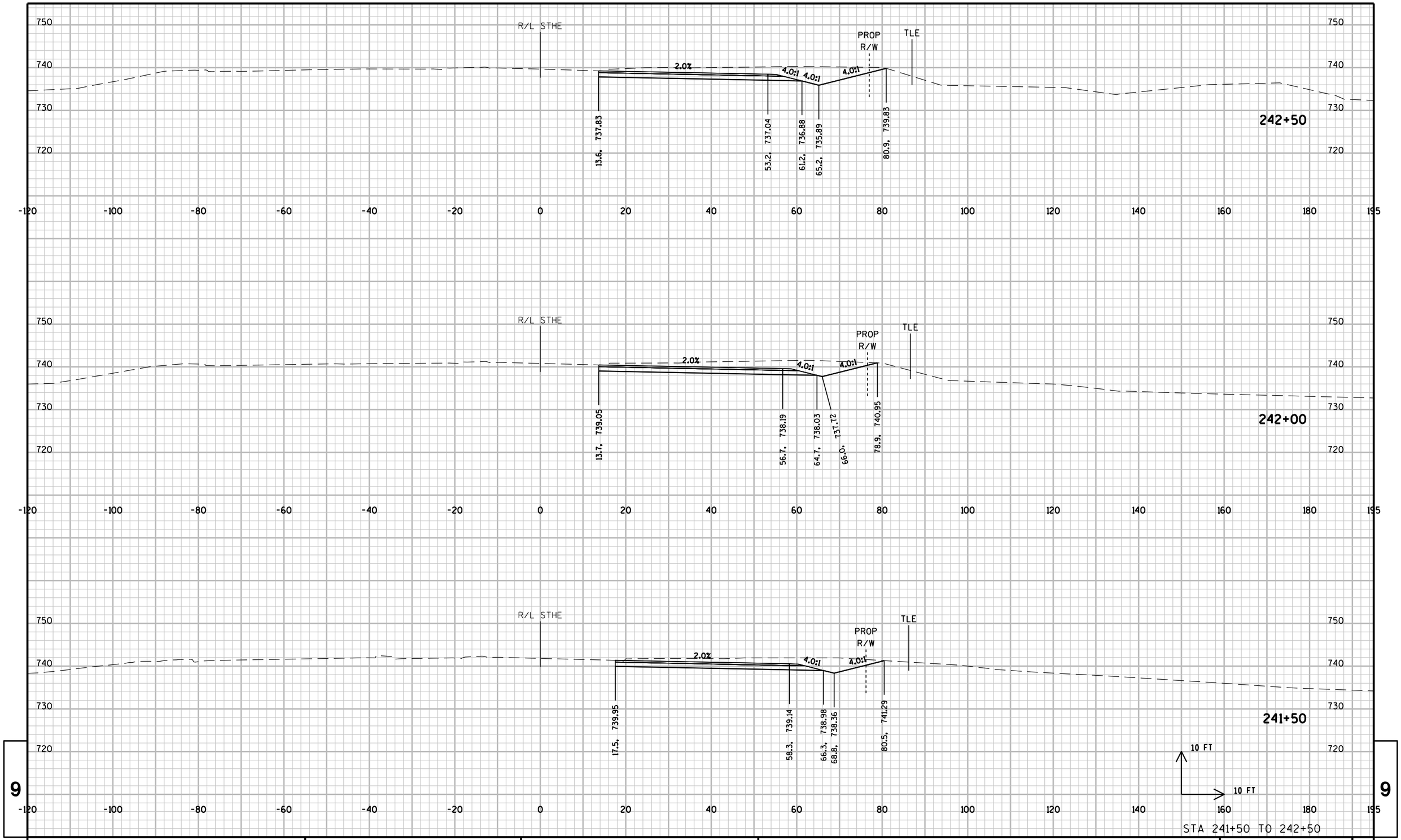
9

9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: EXIST. STH 11 TEMP WIDENING - STAGE 1B	SHEET	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\20376001803_CTH_STH_11_THE_Stage1B.dgn PLOT DATE: 8/1/2024 8:36:26 AM USER: jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

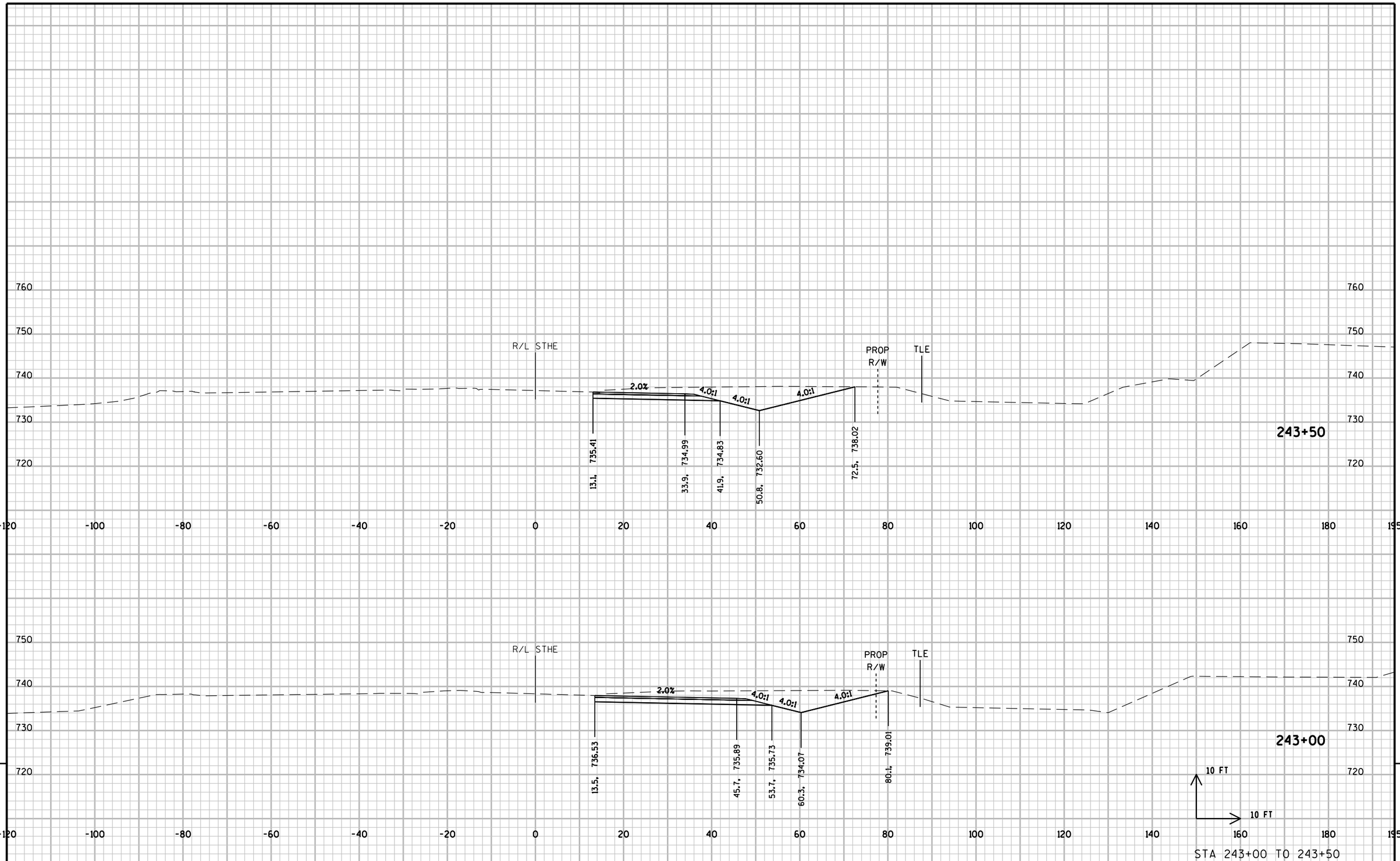


9

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STA 241+50 TO 242+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: EXIST. STH 11 TEMP WIDENING - STAGE 1B	SHEET 852	E

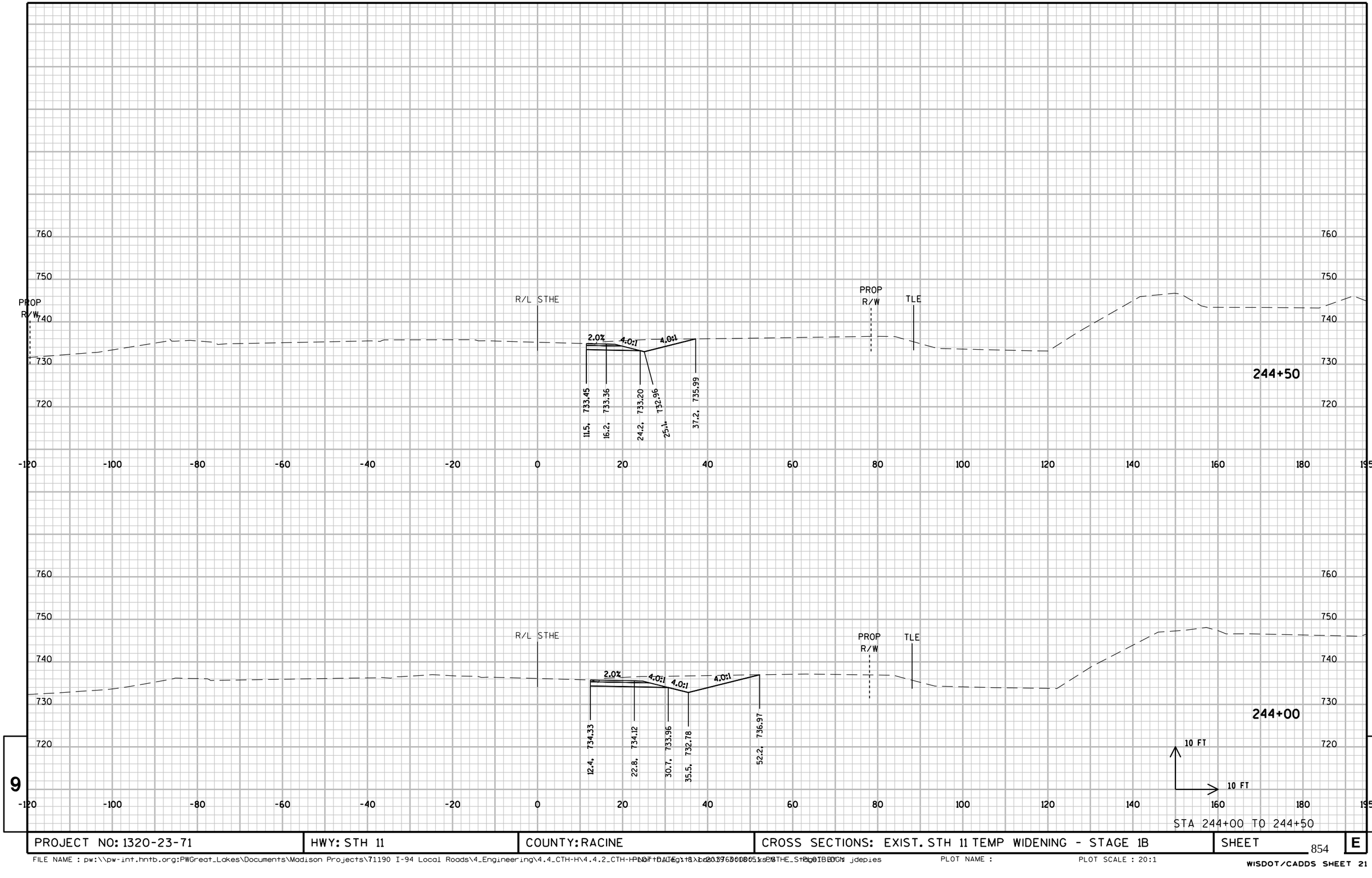


STA 243+00 TO 243+50

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: EXIST. STH 11 TEMP WIDENING - STAGE 1B	SHEET 853	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_NOT_DATA\8.1_CROSS_SECTIONS\STHE_Stage1B.dgn jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



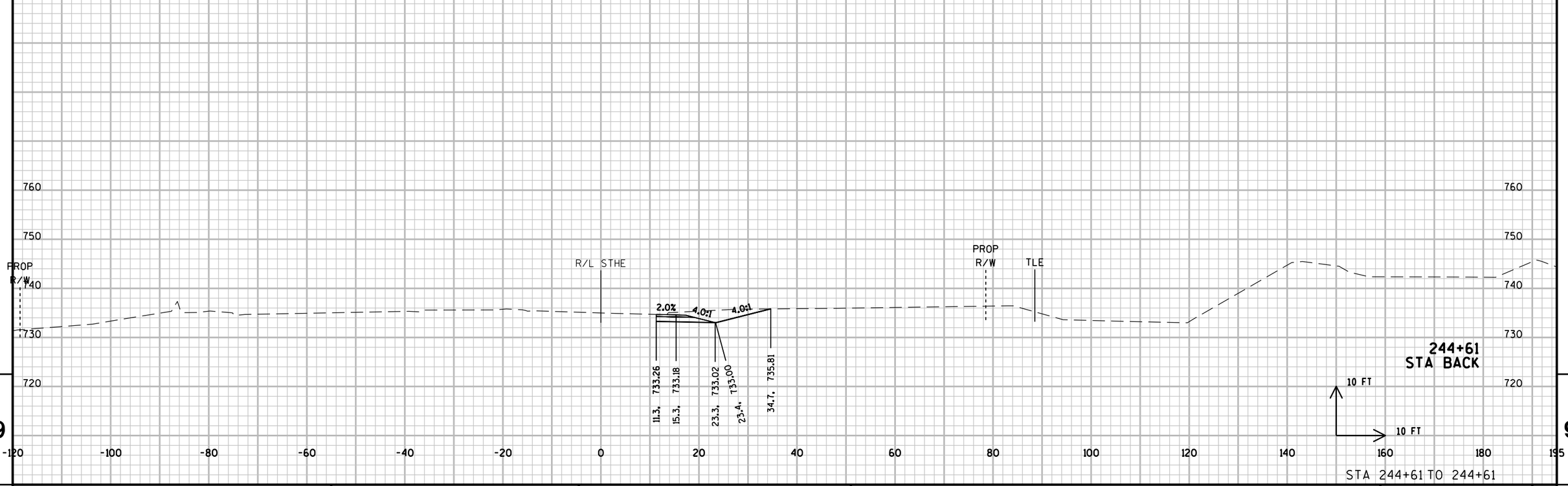
9

9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: EXIST. STH 11 TEMP WIDENING - STAGE 1B	SHEET 854	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/26/2025 8:00:05 AM PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

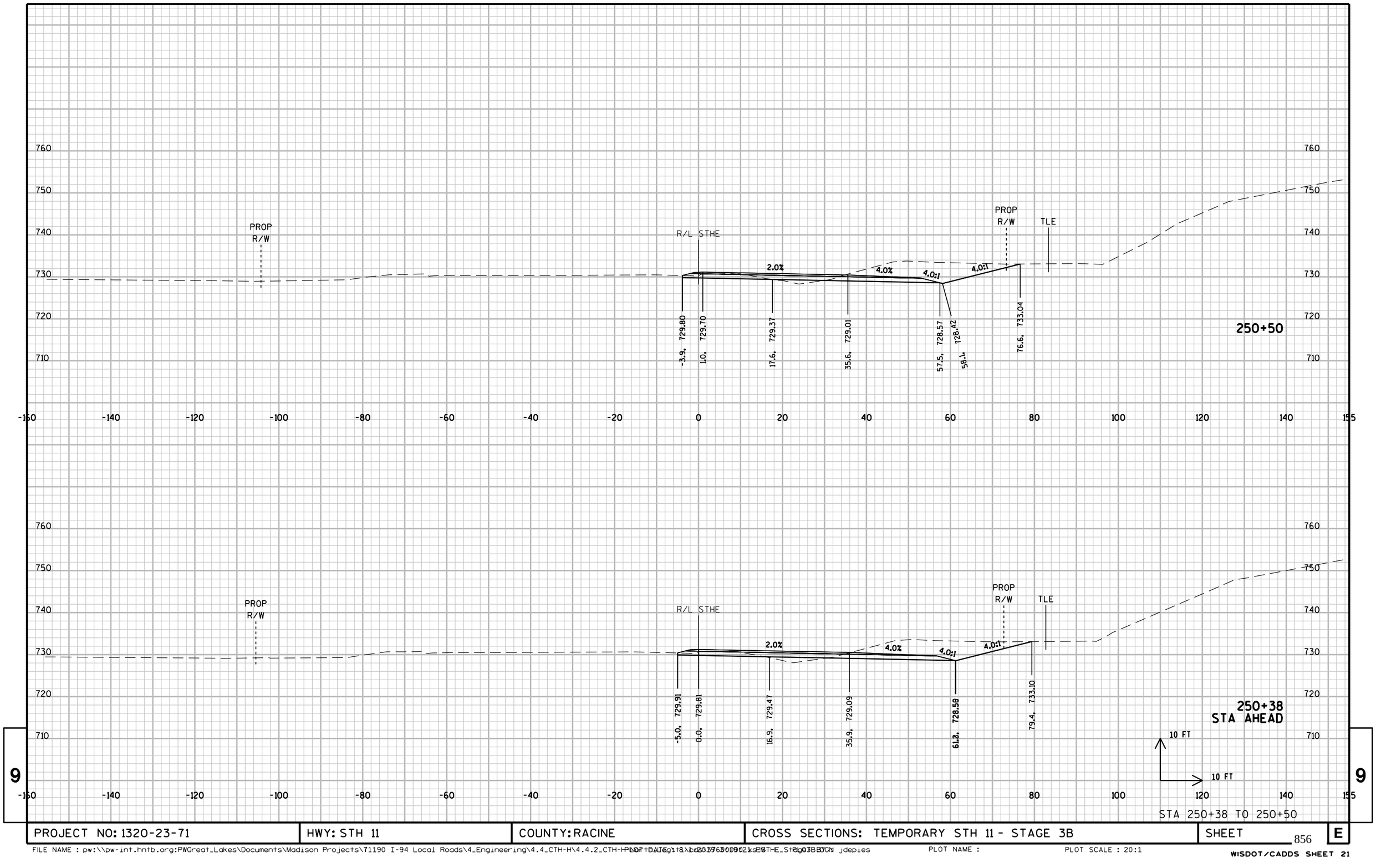
9

STA 244+61 TO 244+61

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: EXIST. STH 11 TEMP WIDENING - STAGE 1B	SHEET 855	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan Sheets\CTH-H_STHE_Stage1B.dgn PLOT DATE: 8/1/2023 8:08:05 AM PLOT BY: jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

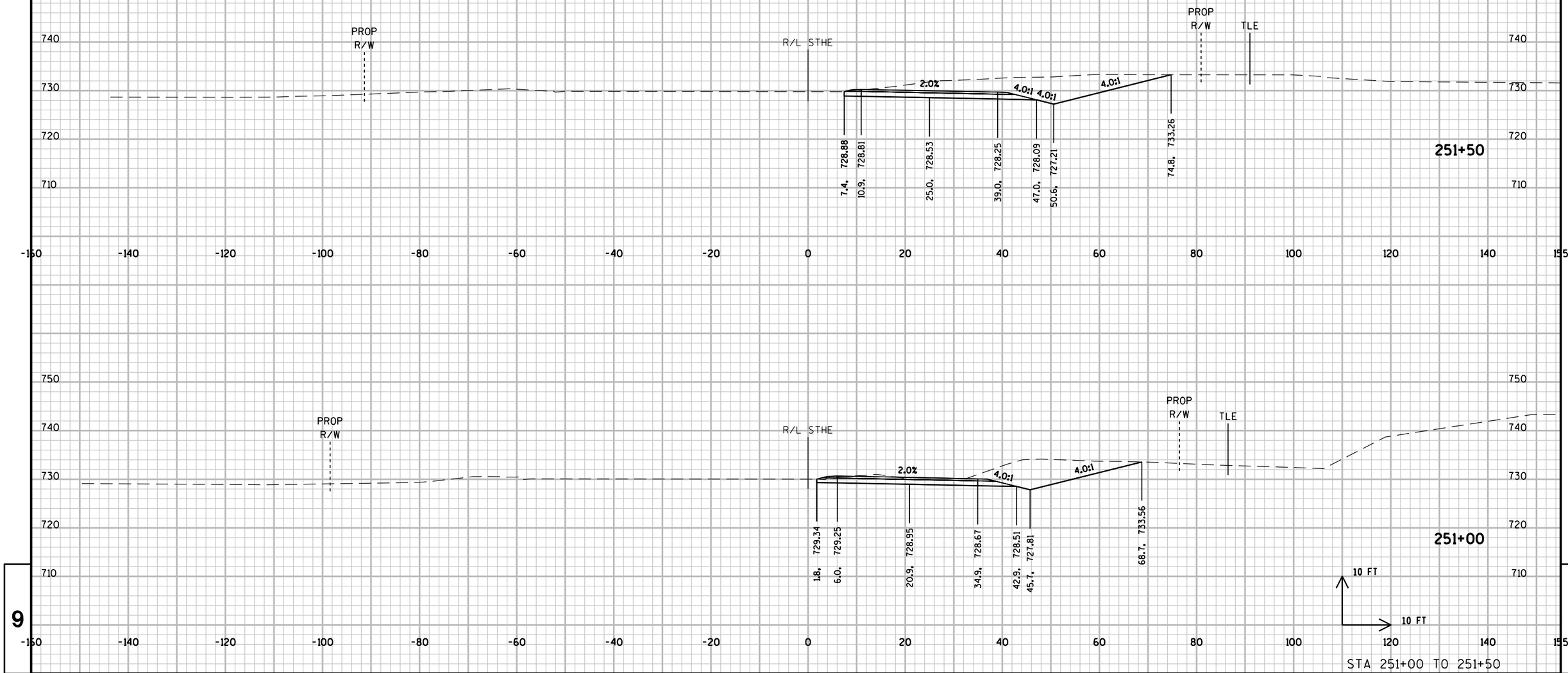


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9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY STH 11 - STAGE 3B	SHEET 856	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/26/2025 9:09:02 AM jdepies
PLOT NAME : STHE_STA3BDCN
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

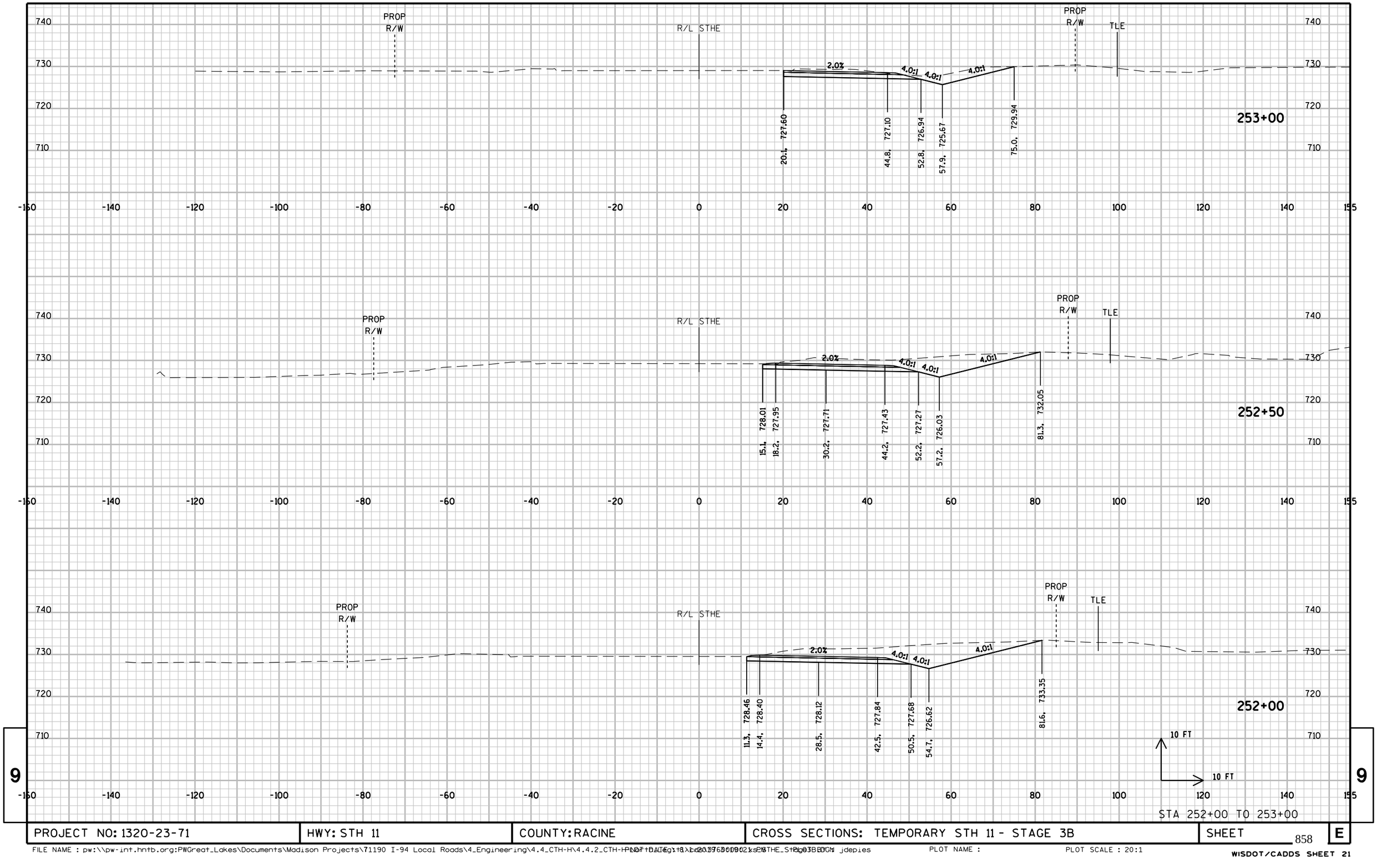


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PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY STH 11 - STAGE 3B	SHEET 857	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_PLOT DATE: 8/1/2023 9:09:02 AM
...STHE_Stage3B.DGN jdepies
PLOT NAME :
PLOT SCALE : 20:1
WISDOT/CADDS SHEET 21

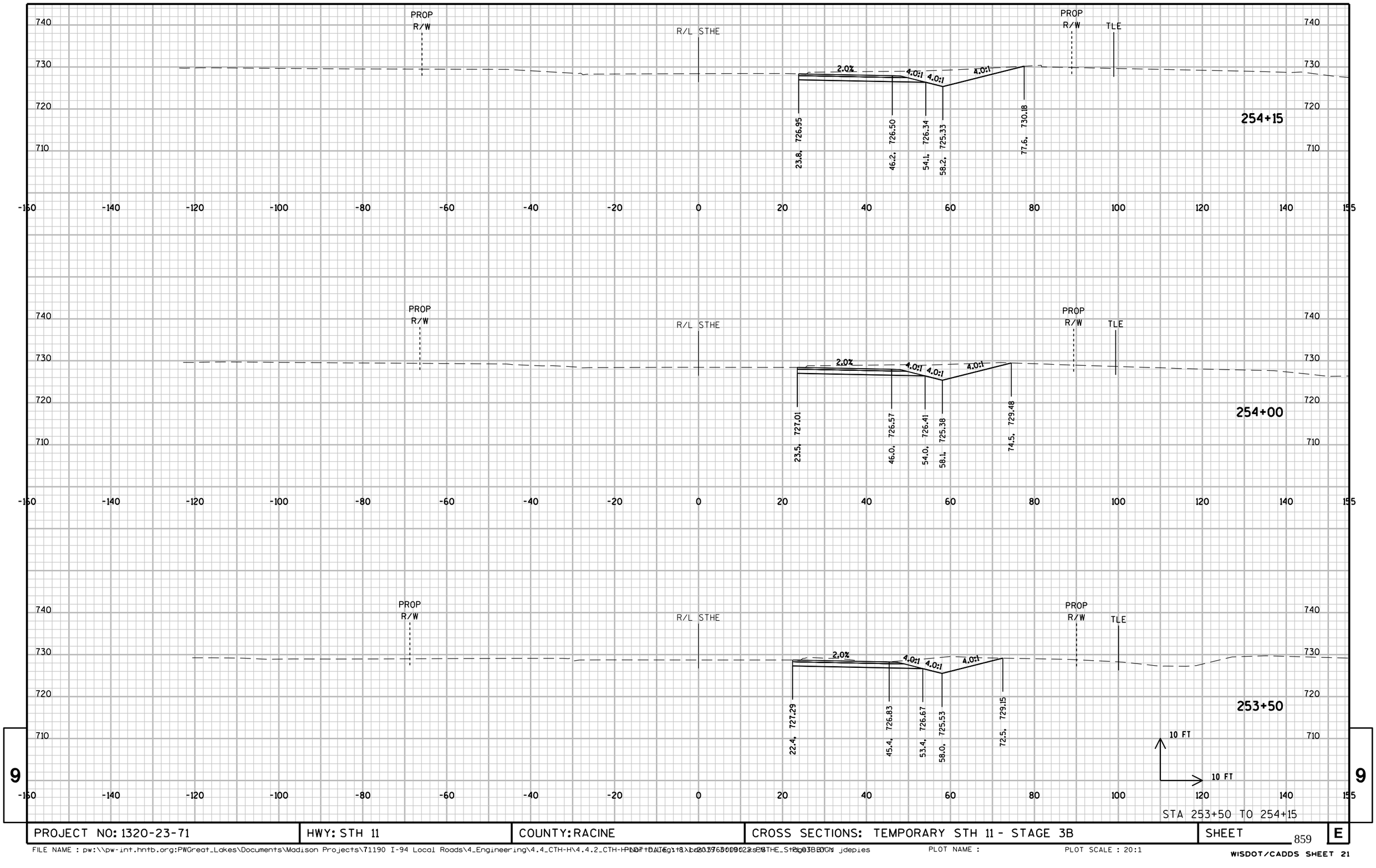


STA 252+00 TO 253+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY STH 11 - STAGE 3B	SHEET 858	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_Plan_Profile_Cross_Sections\Cad\Sheets\1320-23-71_STH11_STAGE3B_XSECTIONS.dgn jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21

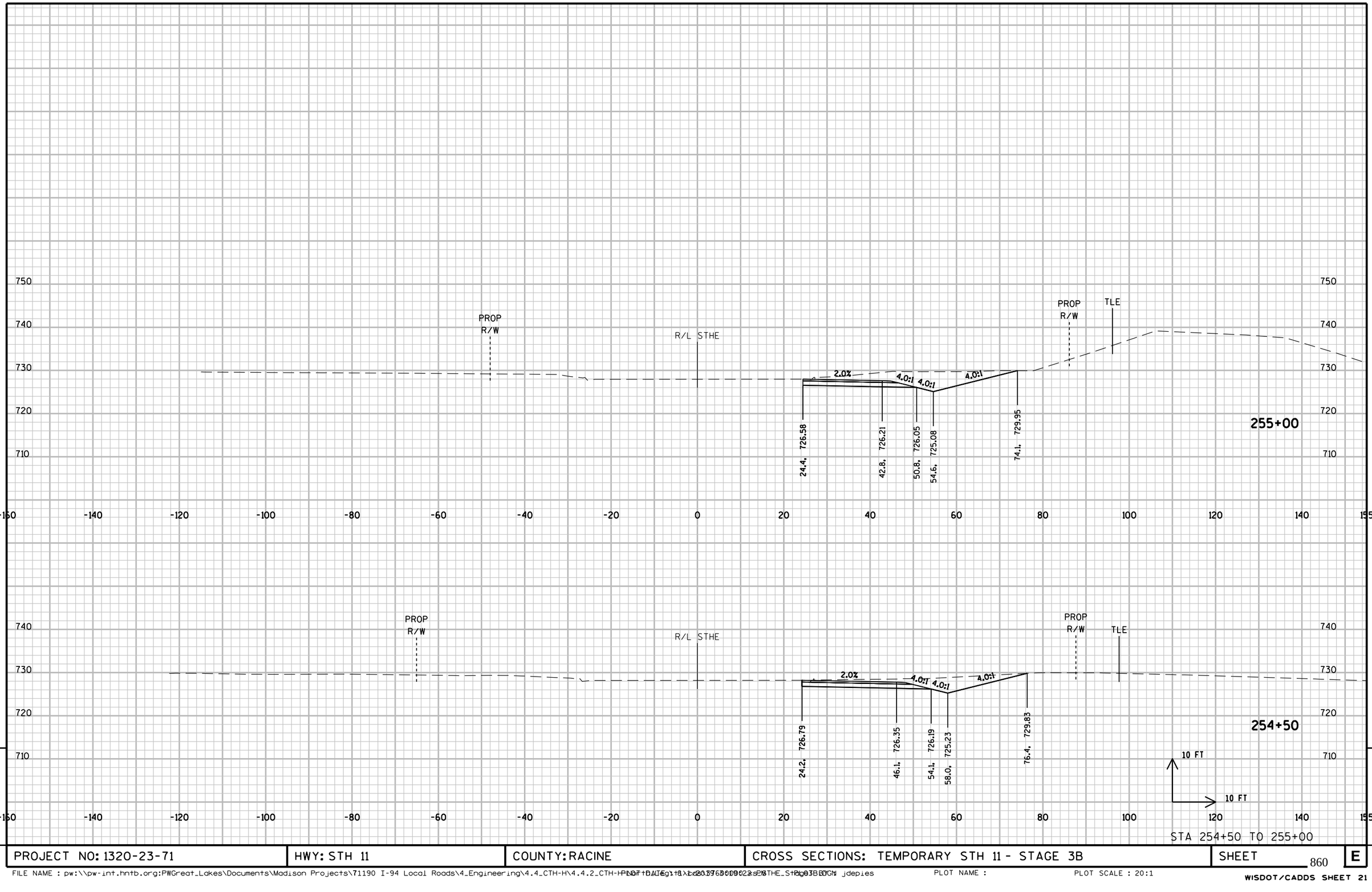


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9

STA 253+50 TO 254+15

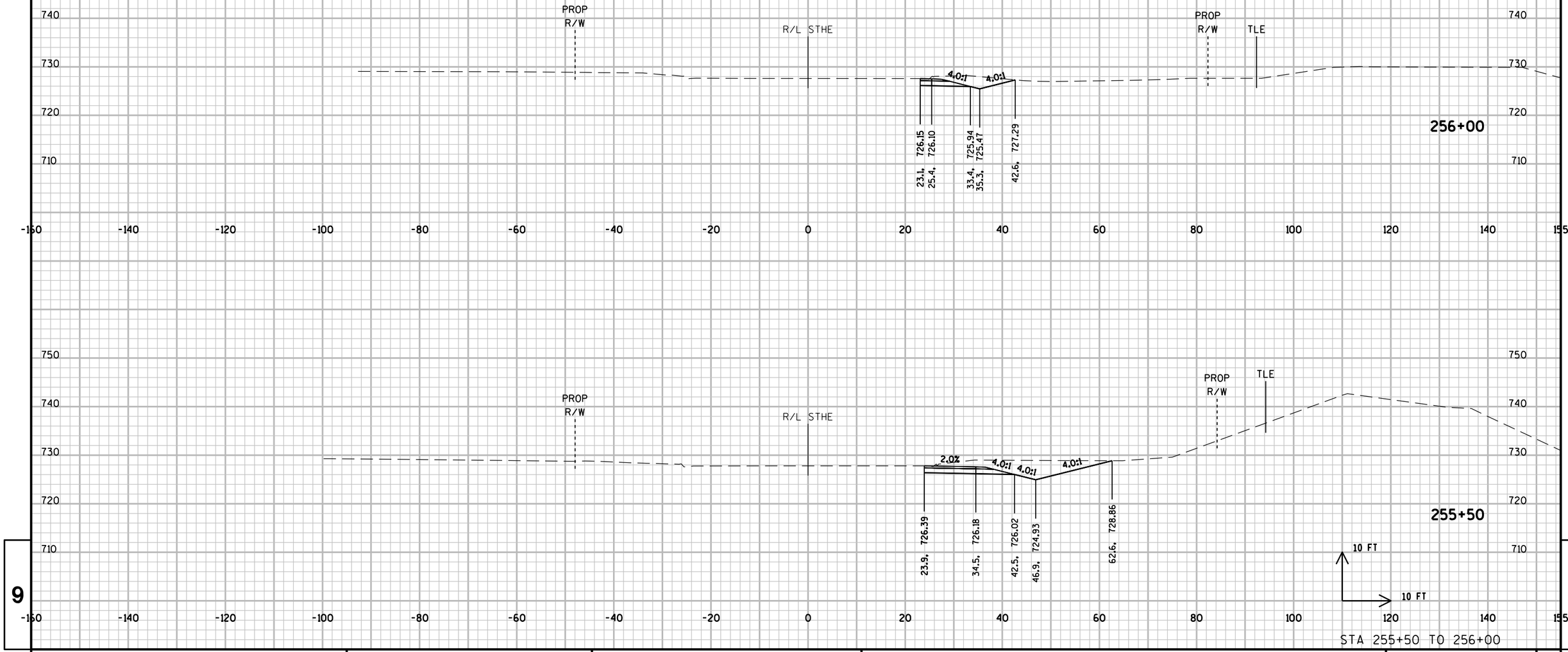
PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY STH 11 - STAGE 3B	SHEET 859	E



STA 254+50 TO 255+00

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY STH 11 - STAGE 3B	SHEET 860	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_TEMP_Stage3B\Design\Sheets\CTH-H_TEMP_STHE_Stage3B.dgn jdepies PLOT NAME : PLOT SCALE : 20:1 WISDOT/CADDS SHEET 21



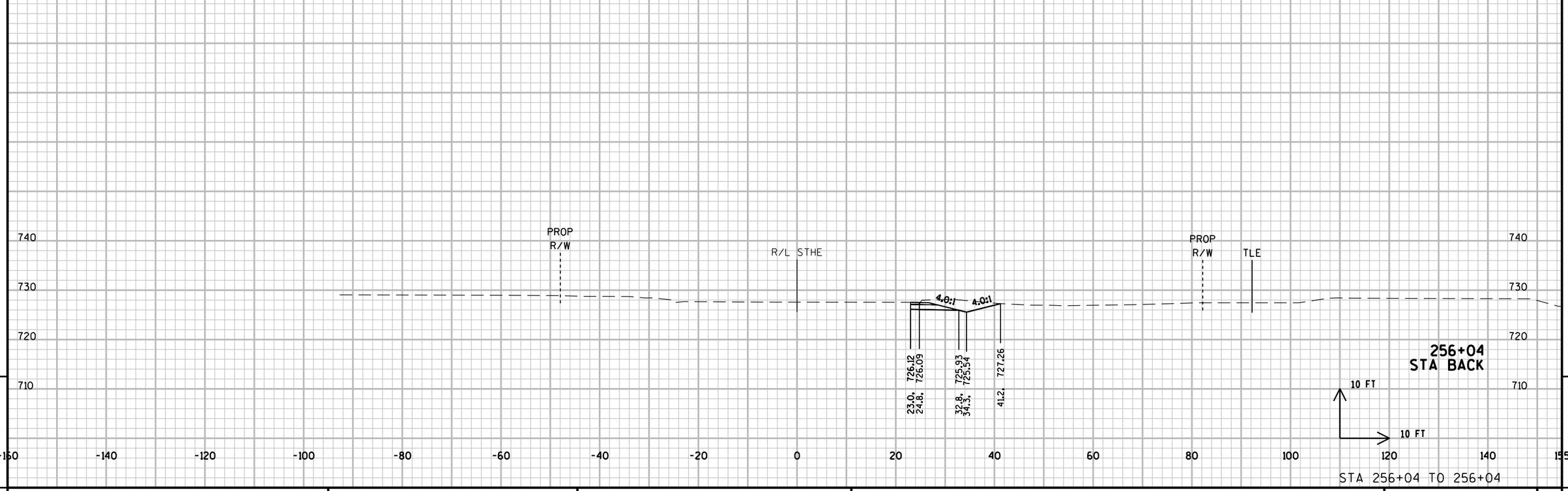
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9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY STH 11 - STAGE 3B	SHEET 861	E

FILE NAME : pw:\\pw-int.hntb.org:PWGreat_Lakes\Documents\Madison Projects\71190 I-94 Local Roads\4_Engineering\4.4_CTH-H\4.4.2_CTH-H_STH_11_Stage_3B\Design\Sheets\STHE_Stage3B.dgn PLOT DATE: 1:1.2637500000022 jdepies PLOT NAME : PLOT SCALE : 20:1

WISDOT/CADDS SHEET 21



9

9

PROJECT NO: 1320-23-71	HWY: STH 11	COUNTY: RACINE	CROSS SECTIONS: TEMPORARY STH 11 - STAGE 3B	SHEET 862	E

Notes

Wisconsin Department of Transportation

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