

PROJECT ID: 1035-01-72
WITH: 1030-20-84/87, 1035-01-74/79/82

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 =



DESIGN DESIGNATIONS

SEVEN MILE RD	
A.A.D.T. 2010	= 4,930
A.A.D.T. 2035	= 6,735
D.H.V.	= 635
D.D.	= 64/36
T.	= 6%
DESIGN SPEED	= 40 MPH
ESALS	= 2,719,250

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	
MARSH AREA	
WOODED OR SHRUB AREA	

PROFILE	
GRADE LINE	
ORIGINAL GROUND	
MARSH OR ROCK PROFILE (To be noted as such)	
SPECIAL DITCH	
GRADE ELEVATION	
CULVERT (Profile View)	
UTILITIES	
ELECTRIC	
FIBER OPTIC	
GAS	
SANITARY SEWER	
STORM SEWER	
TELEPHONE	
WATER	
UTILITY PEDESTAL	
POWER POLE	
TELEPHONE POLE	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

N-S FREEWAY - 7 MILE RD INTERCHANGE

7 MILE ROAD

IH 94

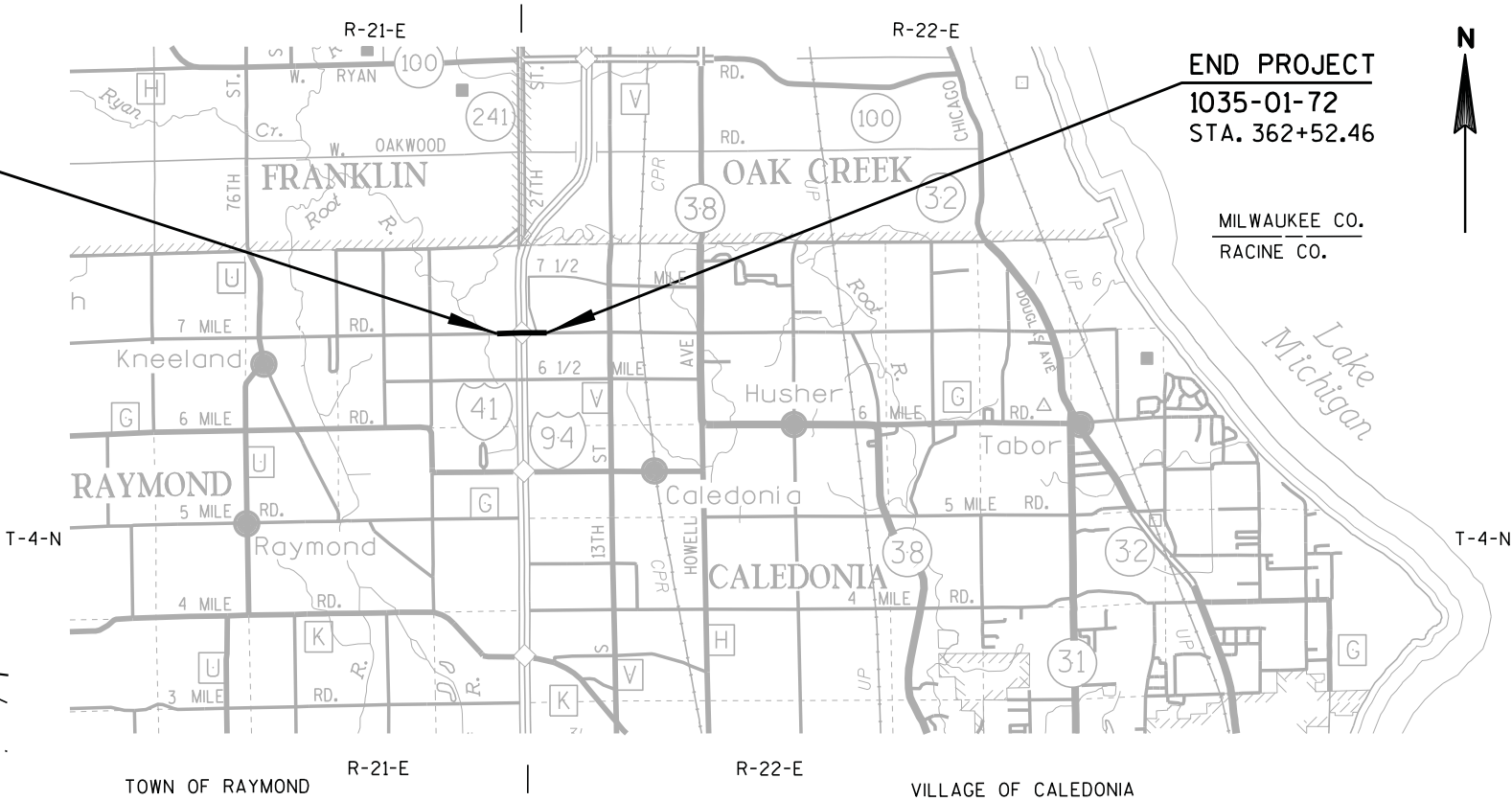
RACINE COUNTY

STATE PROJECT NUMBER
1035-01-72

BEGIN PROJECT
1035-01-72
STA. 334+00.00
Y=223,465.01
X=592,961.87

END PROJECT
1035-01-72
STA. 362+52.46

MILWAUKEE CO.
RACINE CO.



LAYOUT
SCALE 0 0.5 MI.
TOTAL NET LENGTH OF CENTERLINE = 0.540 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), RACINE COUNTY, NAD 1983(97)

ELEVATIONS SHOWN ON THIS PLAN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988(91) (NAVD 88(91)).

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1035-01-72	WISC 2018382	1

ORIGINAL PLANS
PREPARED BY

BLOOM
COMPANIES, LLC
Infrastructure Innovation and Integrity



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY	
Surveyor	DAAR ENGINEERING
Designer	BLOOM COMPANIES, LLC/STRAND
Project Manager	JASON DAHLGREN
District Examiner	
District Supervisor	MANAJOY NAG
C.O. Examiner	

APPROVED FOR DISTRICT OFFICE
DATE: 6/1/18
(Signature)

E

UTILITY CONTACTS

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

AT&T CORPORATION
c/o KEN NINE
JMC ENGINEERS & ASSOCIATES, INC.
110 NORTH MAIN STREET
CULVER, IN 46511
PHONE: (574) 842-8830
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knine@jmceainc.com

AT&T WISCONSIN
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jo2376@att.com

CALEDONIA UTILITY DISTRICT
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blui@caledoniawitility.com

CHARTER COMMUNICATIONS
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Pete.kruzela@charter.com
wis.engineering@charter.com

LEVEL 3 COMMUNICATIONS
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OSP ENGINEERING DEPT.
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BROOKFIELD, WI 53045
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CELL: (414) 704-1026
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WE ENERGIES - ELECTRIC
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CELL: (414) 460-5617
Nicole.SmulLEN@we-energies.com

CONSTRUCTION FIELD CONTACT:
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WEST ALLIS, WI 53214
OFFICE: (414) 944-5695
CELL: (414) 254-8459
dan.toomey@we-energies.com

WINDSTREAM
MARY FISHER
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BROOKFIELD, WI 53005
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mary.b.fisher@windstream.com

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eric.perea@dot.wi.gov

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OTHER AGENCIES

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nskiffington@bloomcos.com

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STURTEVANT, WI 53177
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LINDA TERRY, TOWN CLERK
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FRANKSVILLE, WI 53126
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SOUTHEASTERN WISCONSIN REGIONAL PLANNING COMMISSION
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WAUKESHA, WI 53187-1607
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rmerry@sewrpc.org

WISCONSIN DEPARTMENT OF TRANSPORTATION
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DNR SERVICE CENTER
2300 N. MARTIN LUTHER KING JR.
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jason.dahlgren@dot.wi.gov

ORDER OF SECTION 2 DETAIL SHEETS

- GENERAL NOTES
- PROJECT OVERVIEW
- TYPICAL SECTIONS
- CONSTRUCTION DETAILS
- PAVING DETAILS
- FTMS PLANS
- CROSS SECTION MATCHLINE
- EROSION CONTROL PLANS
- STORM SEWER PLANS
- EXISTING SIGNING PLANS
- PERMANENT SIGNING PLANS
- LIGHTING PLANS
- PAVEMENT MARKING PLANS
- TRAFFIC CONTROL PLANS
- FENCING PLANS
- ALIGNMENT PLANS

GENERAL NOTES

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

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

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY LOCAL MUNICIPAL UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE SHALL BE CONTACTED SEPARATELY.

ALL OPENINGS OF HOLES BELOW SUBGRADE RESULTING FROM REMOVALS OR ABANDONMENTS SHALL BE BACKFILLED WITH GRANULAR MATERIAL. GRANULAR MATERIAL IS INCLUDED IN COST OF REMOVAL ITEMS.

PAVEMENT REMOVAL SHALL BE TO THE NEAREST JOINT, OR AS DIRECTED BY THE ENGINEER.

TEMPORARY STORAGE OF ANY EXCAVATED MATERIAL WILL NOT BE PERMITTED IN WETLANDS.

QUANTITIES FOR EXCAVATION COMMON INCLUDE REMOVAL OF EXISTING CONCRETE PAVEMENT AND ASPHALT.

TACK COAT HAS BEEN ESTIMATED AT AN APPLICATION RATE OF 0.07 GALLON PER SQUARE YARD AND SHALL BE APPLIED BETWEEN ALL LAYERS OF ASPHALTIC PAVEMENT.

ASPHALTIC SURFACE, AND ASPAHALTIC SURFACE TEMPORARY MAY BE CONSTRUCTED IN A SINGLE LAYER.

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

CURB AND GUTTER GRADES ARE GIVEN TO THE FLANGE. CURB AND GUTTER RADII ARE MEASURED TO THE FLANGE.

CURB HEIGHTS AT THE END OF CURB AND GUTTER SHALL BE TAPERED FROM 0 TO 6 INCHES IN 6 FEET. SEE CONSTRUCTION DETAIL.

CONCRETE MEDIAN SLOPED NOSE SHALL BE CONSTRUCTED FOR ALL MEDIAN OPENINGS AT INTERSECTIONS WITH CURB & GUTTER.

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLANS AND PROVIDE DOCUMENTATION TO THE ENGINEER IN ACCORDANCE WITH THE SPECIFICATIONS.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ON THE PLAN MAY BE ADJUSTED BY THE ENGINEER TO FIT FIELD CONDITIONS.

BROKEN CONCRETE CONTAINING RE-BAR SHALL NOT BE USED AS RIPRAP MEDIUM.

INLET PROTECTION REQUIRED AT ALL INLETS AS PER EROSION CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

FERTILIZER SHALL NOT BE USED NEAR AVAILABLE WATERWAYS OR WETLANDS.

REMOVAL OF EROSION CONTROL DEVICES IS INCLUDED IN THE COST OF THEIR RESPECTIVE BID ITEMS.

THE EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS ECIP AND THE ENGINEER IN THE FIELD. EROSION CONTROL BMP'S SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED OR THE ENGINEER DETERMINES THE BMP IS NO LONGER REQUIRED.

STOCKPILE EXCESS MATERIALS ON UPLAND AREAS AWAY FROM WETLANDS, FLOODWAYS AND WATERWAYS. STOCKPILED SOIL SHALL BE PROTECTED AGAINST EROSION. IF STOCKPILED MATERIAL IS LEFT FOR MORE THAN 14 DAYS, SEED STOCKPILE WITH TEMPORARY SEED AND MULCH.

DISTURBED AREAS WITHIN THE RIGHT OF WAY, EXCEPT THE SODDED AREAS AND AREAS WITHIN THE FINISHED SHOUDER POINTS, SHALL BE RESTORED WITH TOPSOIL IMMEDIATELY AFTER GRADING IS COMPLETE. SEED, FERTILIZE AND MULCH/EROSION MAT THESE AREAS WITHIN 5 DAYS AFTER TOPSOIL IS PLACED. GRADED AREAS LEFT EXPOSED FOR MORE THAN 14 DAYS SHALL BE SEEDED WITH TEMPORARY SEED AND MULCH.

CROSS SECTIONS SHOWN INCLUDE THE THICKNESS OF TOPSOIL WHERE REQUIRED. TOPSOIL SHALL BE REPLACED WITH 4-INCH TYPICAL DEPTH

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.

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

COORDINATE WITH THE RACINE COUNTY PLANNING AND DEVELOPEMENT DIRECTOR, JULIE ANDERSON, AT 262-886-8470 TO PERPETUATE SECTION CORNERS 10 DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION OPERATIONS.

STRAND PREPARED THE FOLLOWING PLANS FOR THIS PROJECT:
EROSION CONTROL, PAVEMENT MARKING, STORM SEWER, AND ASSOCIATED CONSTRUCTION DETAILS AND MISCELLANEOUS QUANTITIES FOR THESE PLANS.

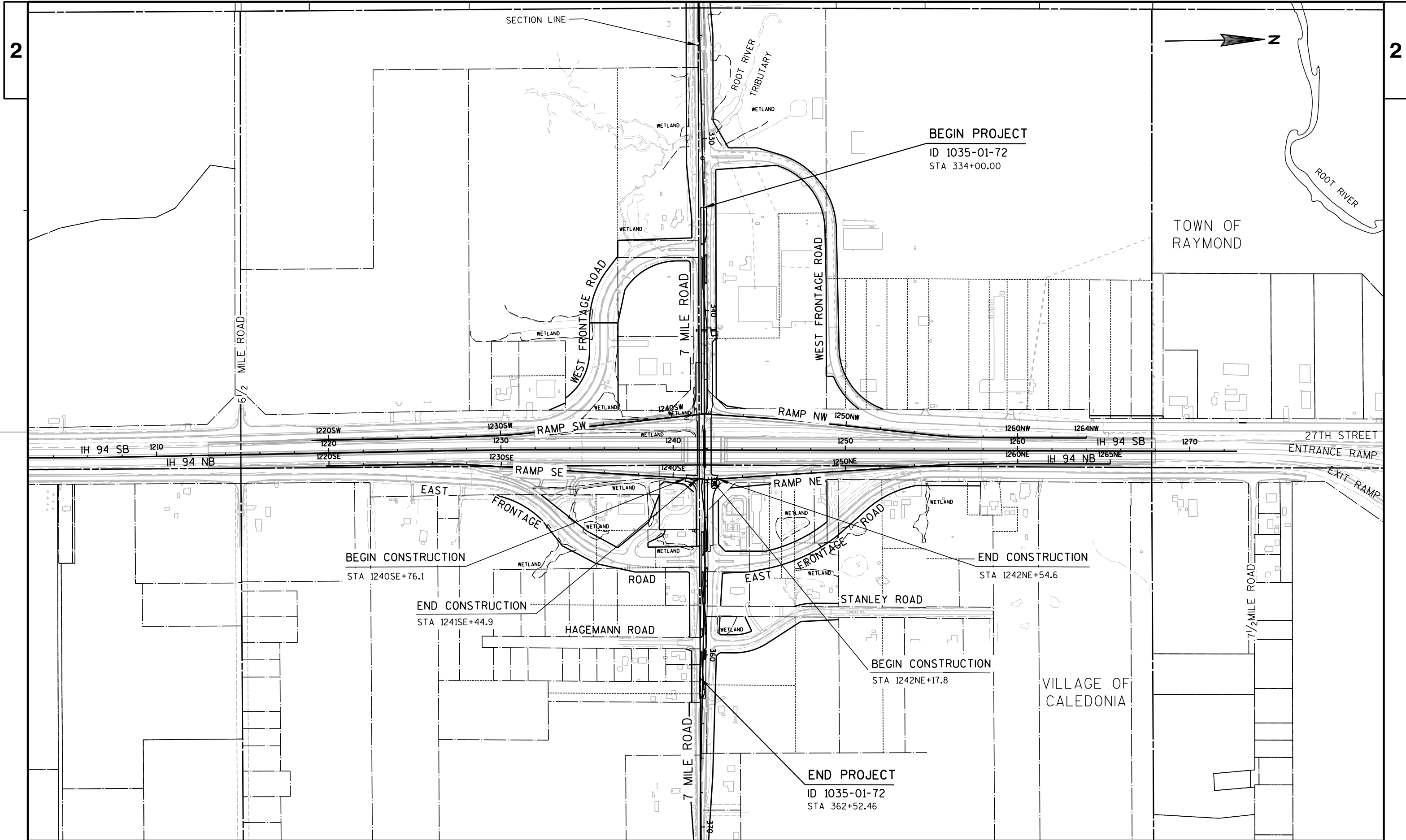
ALL TYPES OF HMA PAVEMENT SHALL BE CONSTRUCTED WITH THE FOLLOWING GRADATIONS, TRAFFIC, BINDER AND DESIGNATIONS:

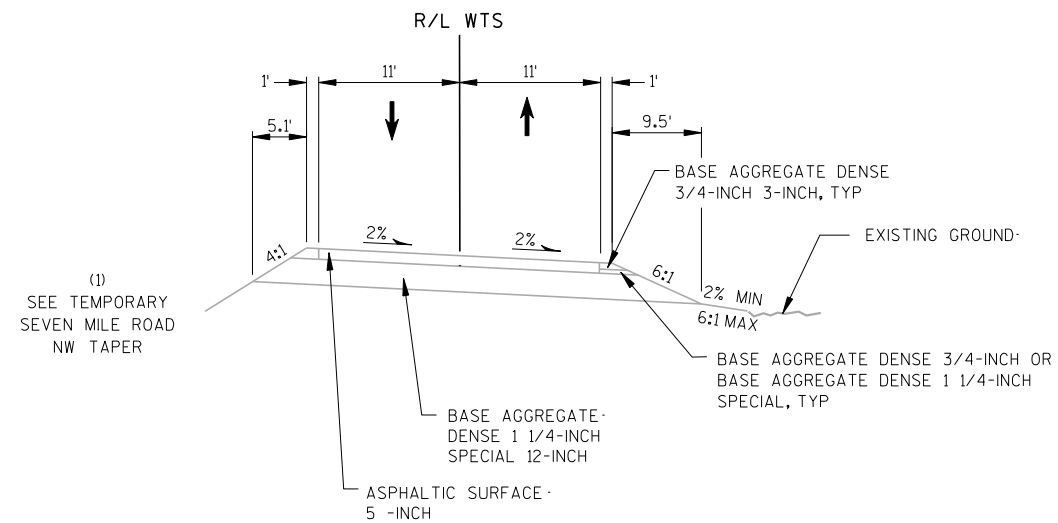
TOTAL LAYER PAVEMENT THICKNESS	BID ITEMS			
*5.0"	2.0" UPPER	4	MT	58-28 S
	3.0" LOWER	3	MT	58-28 S
7.5"	2.0" UPPER	4	MT	58-28 S
	2.75" LOWER	3	MT	58-28 S
	2.75" LOWER	3	MT	58-28 S

* ASPHALTIC SURFACE TEMPORARY SHALL BE PLACED IN ONE 5" LAYER

STANDARD ABBREVIATIONS

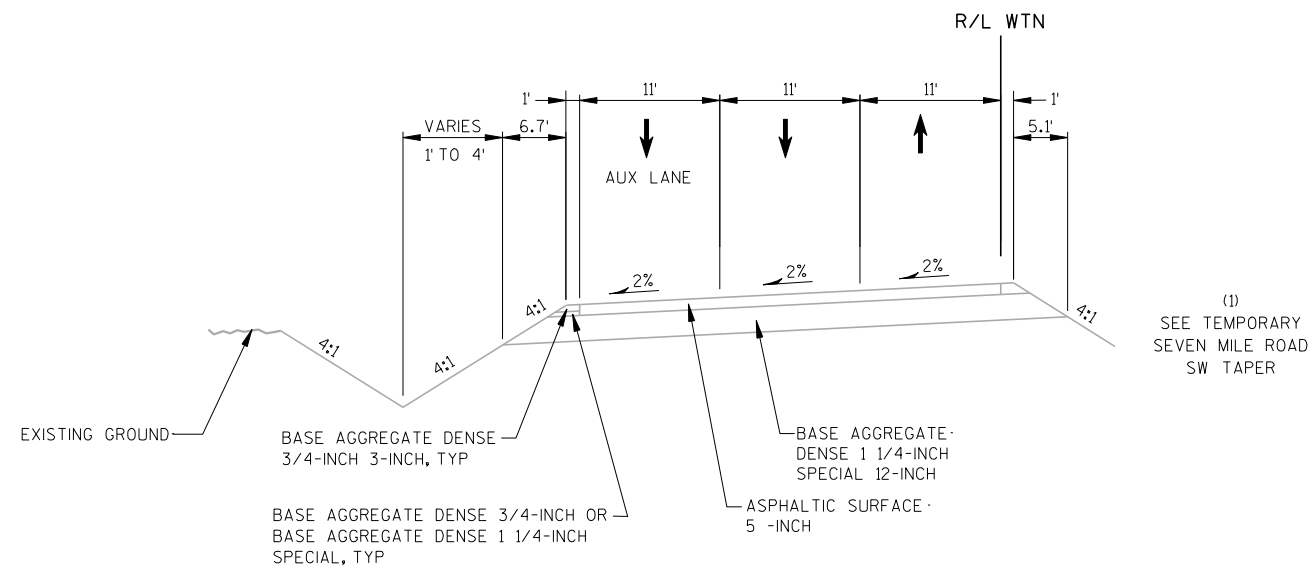
AECPRC	APRON ENDWALL CULVERT PIPE REINFORCE CONCRETE
AECPRCHE	APRON ENDWALL CULVERT PIPE REINFORCE CONCRETE HORIZONTAL ELLIPTICAL
AEC PSS	APRON ENDWALL CULVERT PIPE SLOPE SECTION
AEW	APRON ENDWALL
AGG	AGGREGATE
ASPH	ASPHALT
BAD	BASE AGGREGATE DENSE
B/C	BACK OF CURB
BM	BENCH MARK
C&G	CURB AND GUTTER
C/L OR	CENTER OR CONSTUCTION LINE
CONC	CONCRETE
CP	CULVERT PIPE
CPCM	CULVERT PIPE CORRUGATED METAL
CPRC	CULVERT PIPE REINFORCED CONCRETE
CPRCHE	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL
CTR	CENTER
CY	CUBIC-YARD
D	DEGREE OF CURVE
Δ	DELTA
DISCH	DISCHARGE
EBS	EXCAVATION BELOW SUBGRADE
EFR	EAST FRONTAGE ROAD
EL	ELEVATION
ESTR	EXISTING SIGN TO REMAIN
FE	FIELD ENTRANCE
FS	FULL SUPERELEVATION
HMA	HOT MIX ASPHALT
INV	INVERT
L	LENGTH OF CURVE
LHF	LEFT HAND FORWARD
LT	LEFT
MIN	MINIMUM
MIO	MIDDLE OF RADIUS
ML	MATCH LINE
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
PVC	POINT OF VERTICAL CURVE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENT
R	RADIUS OF CURVE
R/L	REFERENCE LINE
R/W	RIGHT OF WAY
RC	REVERSE CROWN
REQ'D	REQUIRED
RHF	RIGHT HAND FORWARD
RT	RIGHT
SALV	SALVAGED
SB	SOUTHBOUND
SDD	STANDARD DETAIL DRAWING
SE	SUPERELEVATION
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





TYPICAL EXISTING SECTION
TEMPORARY SEVEN MILE ROAD SW TAPER

STA 343WTS+00 TO STA 346WTS+20

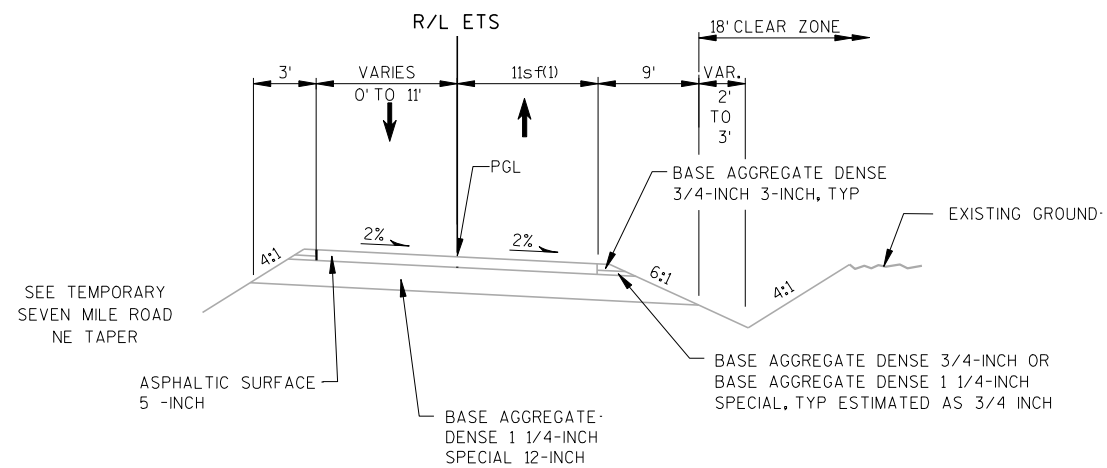


TYPICAL EXISTING SECTION
TEMPORARY SEVEN MILE ROAD NW TAPER

STA 341WTN+00 TO STA 346WTN+20

FOOTNOTE

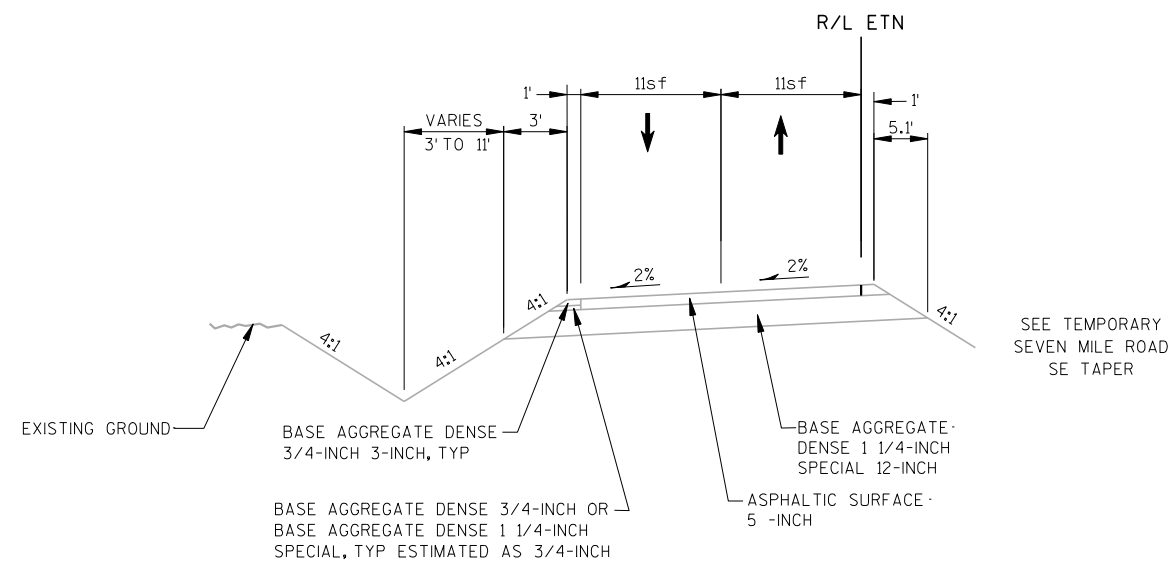
- (1) TAPER SECTIONS CONNECT TO EACH OTHER WITHOUT A MEDIAN DITCH STA 344+00 RO STA 346+20.

**FOOTNOTE**

(1) WIDTH VARIES 11' TO 15',
STA 349+78 TO STA 349+97

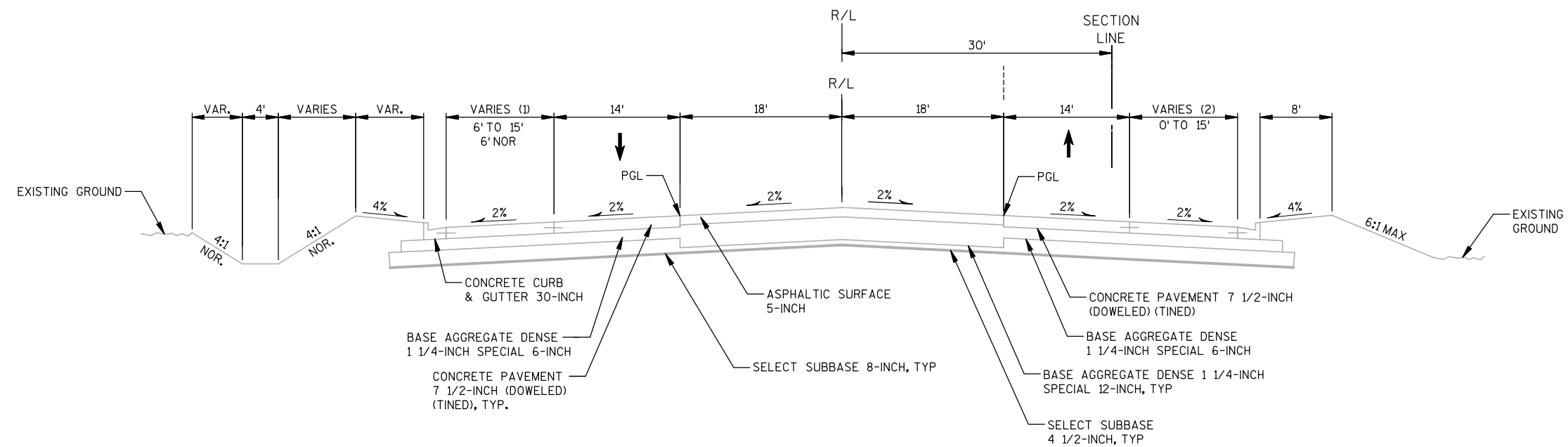
TYPICAL EXISTING SECTION
TEMPORARY SEVEN MILE ROAD SE TAPER

STA 349ETS+78 TO STA 353ETS+67



TYPICAL EXISTING SECTION
TEMPORARY SEVEN MILE ROAD NE TAPER

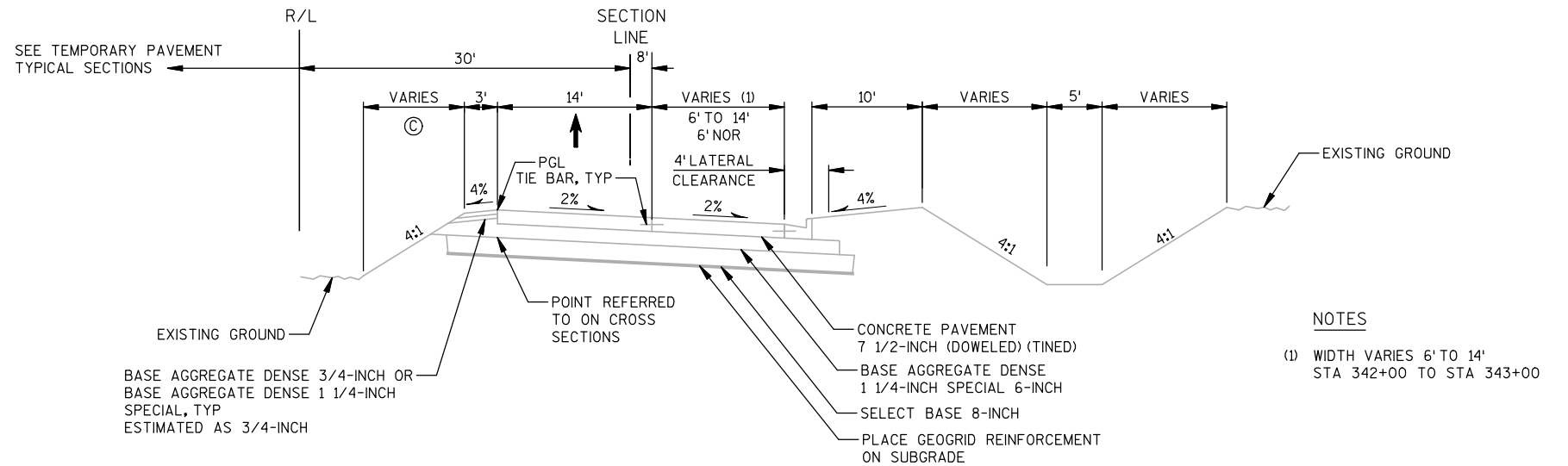
STA 349ETN+00 TO STA 354ETN+00

**NOTES**

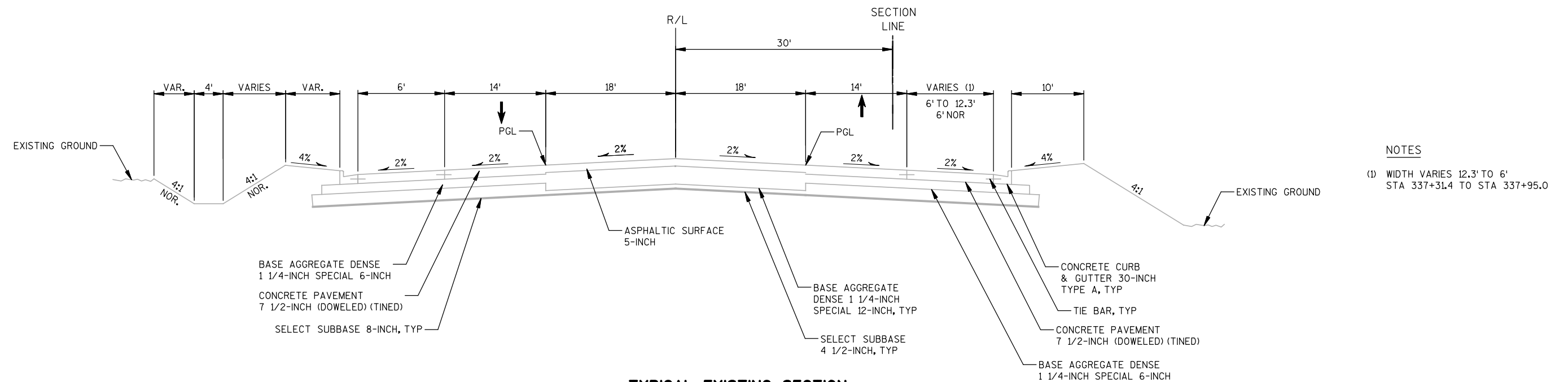
- (1) WIDTH 15'
STA 332+00 TO STA 334+00
WIDTH VARIES 15' TO 6'
STA 334+00 TO STA 334+94.3
- (2) WIDTH VARIES 0' TO 15'
STA 331+66 TO STA 333+52.9
- (3) WIDTH VARIES 0' TO 16'
STA 331+48 TO STA 332+13.8

TYPICAL EXISTING SECTION**SEVEN MILE ROAD**

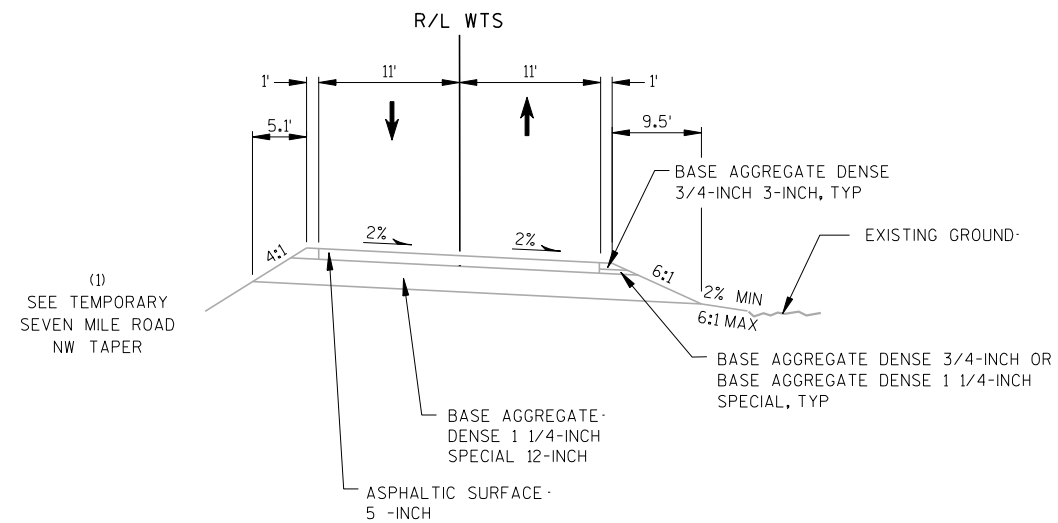
STA 334+00 TO 336+72

**TYPICAL EXISTING SECTION****SEVEN MILE ROAD**

STA 341+00 TO STA 343+00

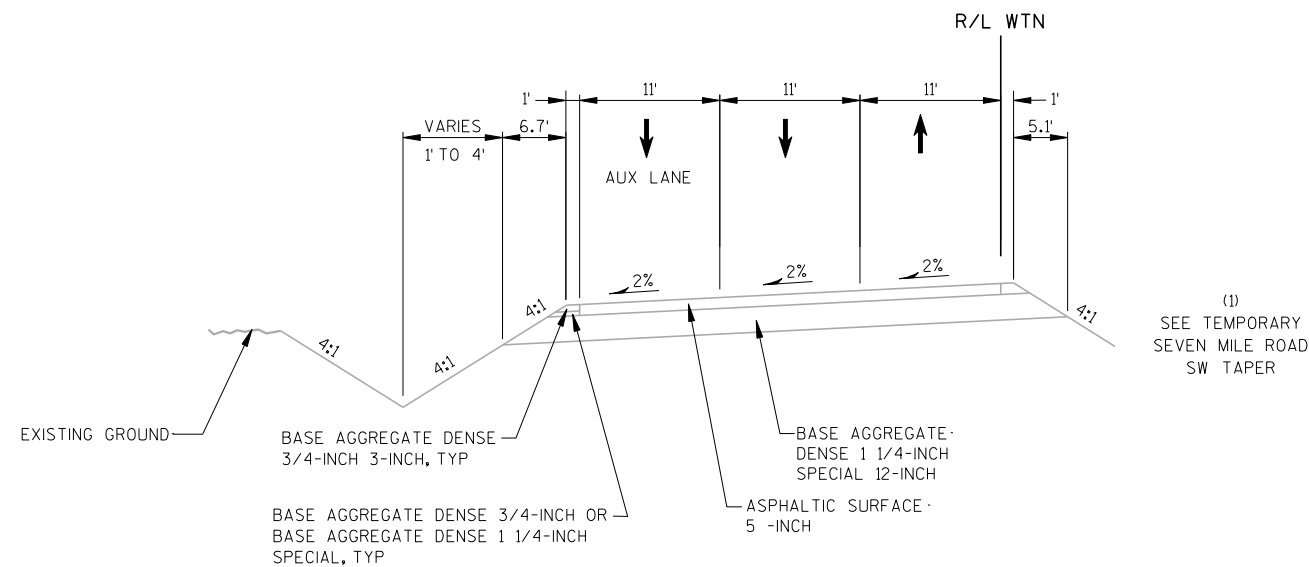
**TYPICAL EXISTING SECTION****SEVEN MILE ROAD**

STA 336+72 TO STA 341+00



TYPICAL EXISTING SECTION
TEMPORARY SEVEN MILE ROAD SW TAPER

STA 343WTS+00 TO STA 346WTS+20

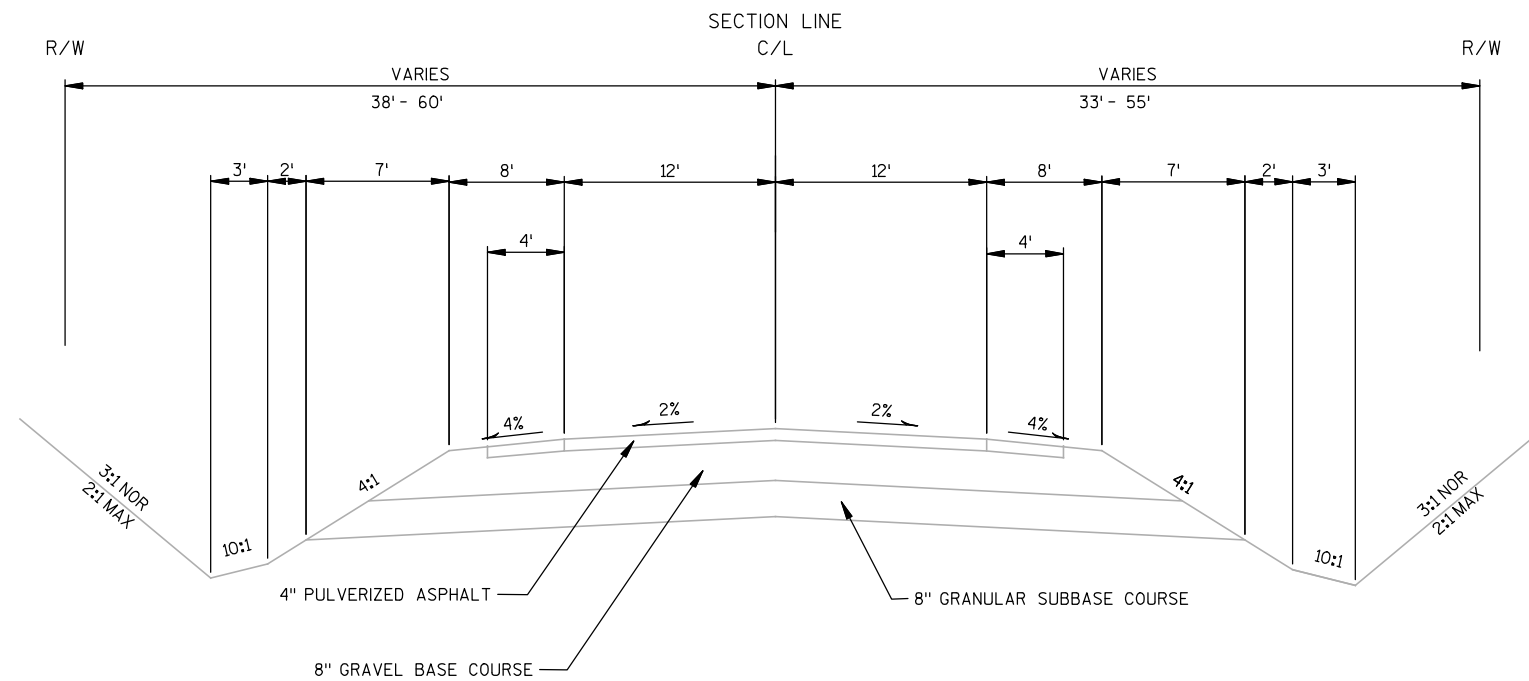


TYPICAL EXISTING SECTION
TEMPORARY SEVEN MILE ROAD NW TAPER

STA 341WTN+00 TO STA 346WTN+20

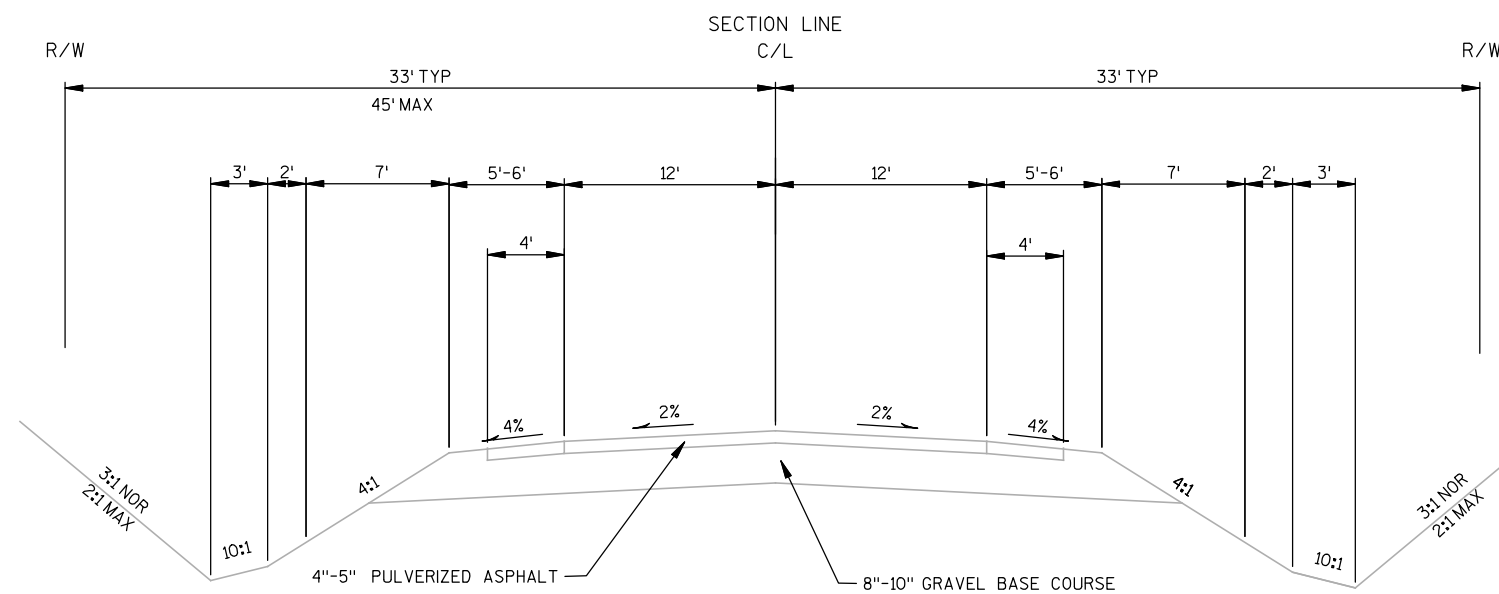
FOOTNOTE

- (1) TAPER SECTIONS CONNECT TO EACH OTHER WITHOUT A MEDIAN DITCH STA 344+00 RO STA 346+20.



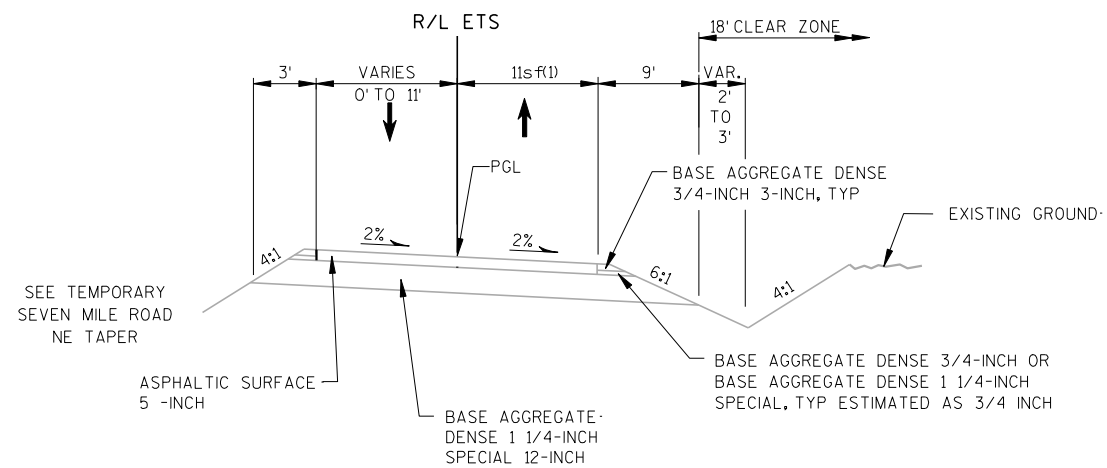
TYPICAL EXISTING SECTION

**SEVEN MILE ROAD
(EAST OF IH 94)**



TYPICAL EXISTING SECTION

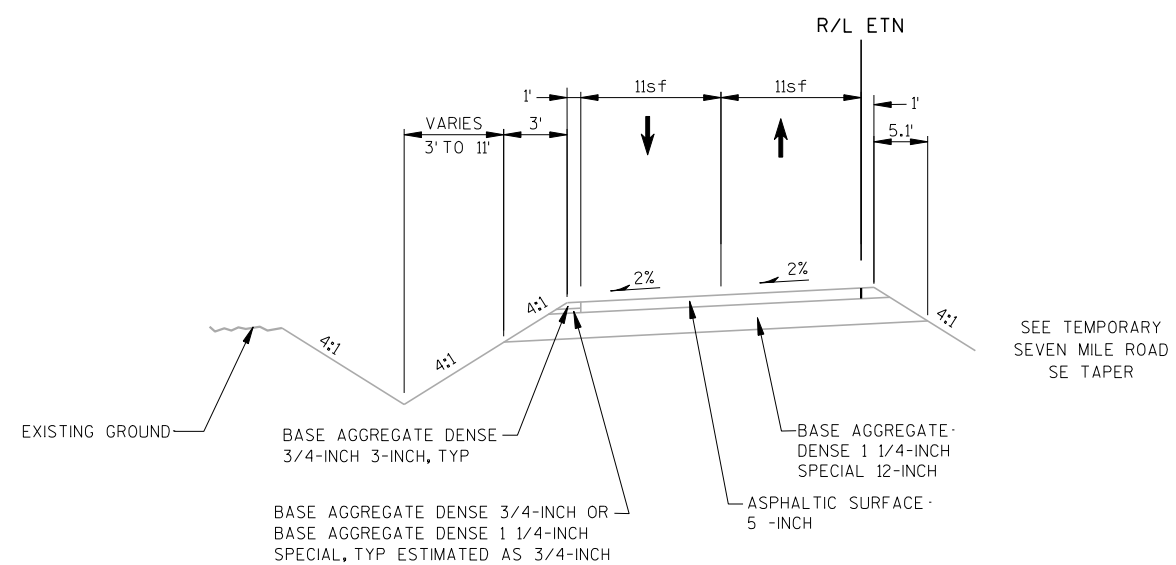
**SEVEN MILE ROAD
(WEST OF IH 94)**

**FOOTNOTE**

(1) WIDTH VARIES 11' TO 15',
STA 349+78 TO STA 349+97

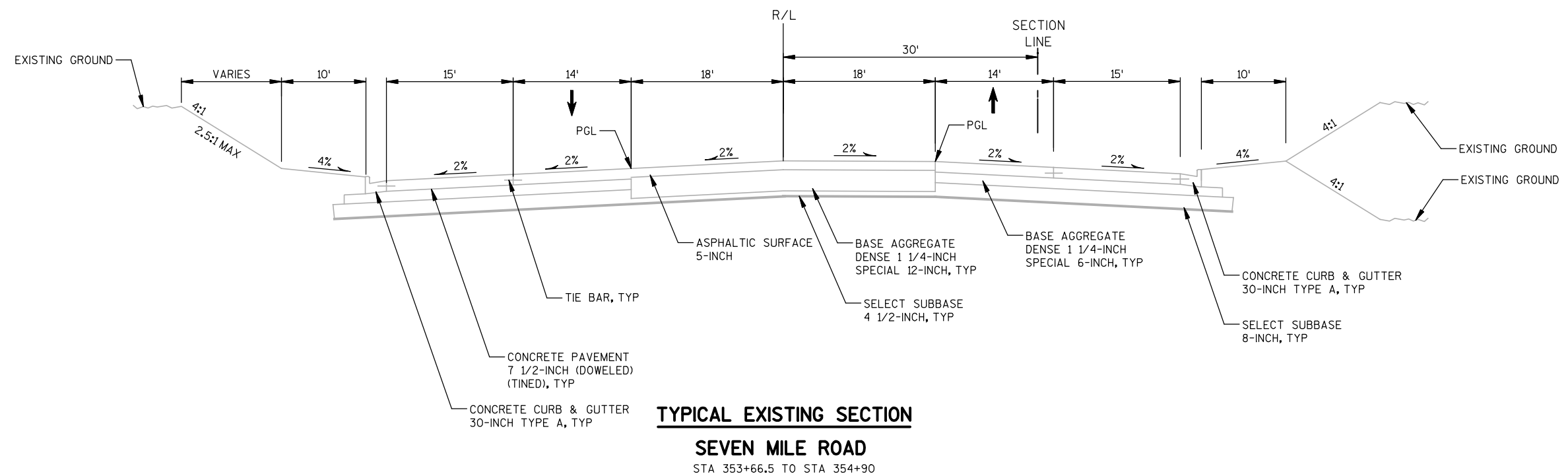
TYPICAL EXISTING SECTION
TEMPORARY SEVEN MILE ROAD SE TAPER

STA 349ETS+78 TO STA 353ETS+67



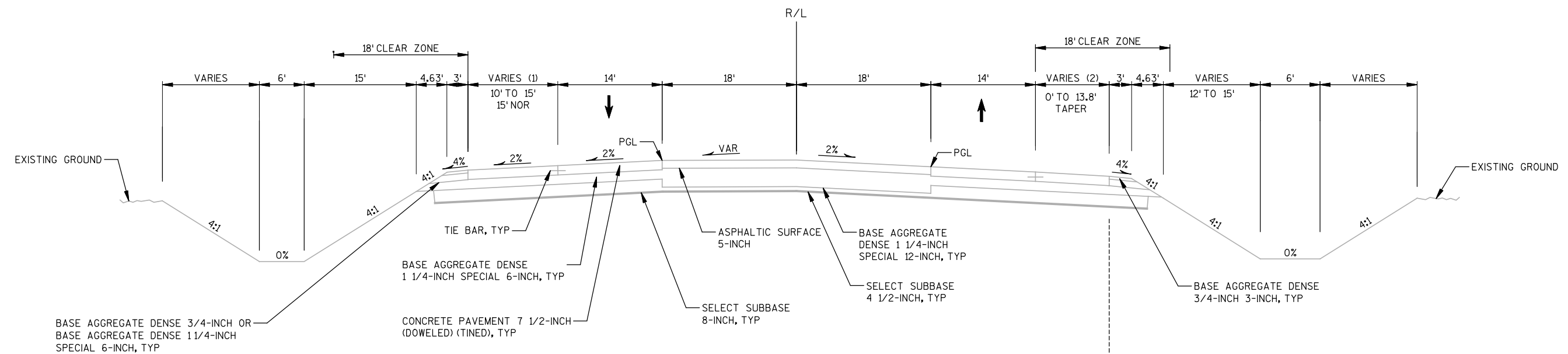
TYPICAL EXISTING SECTION
TEMPORARY SEVEN MILE ROAD NE TAPER

STA 349ETN+00 TO STA 354ETN+00



NOTES

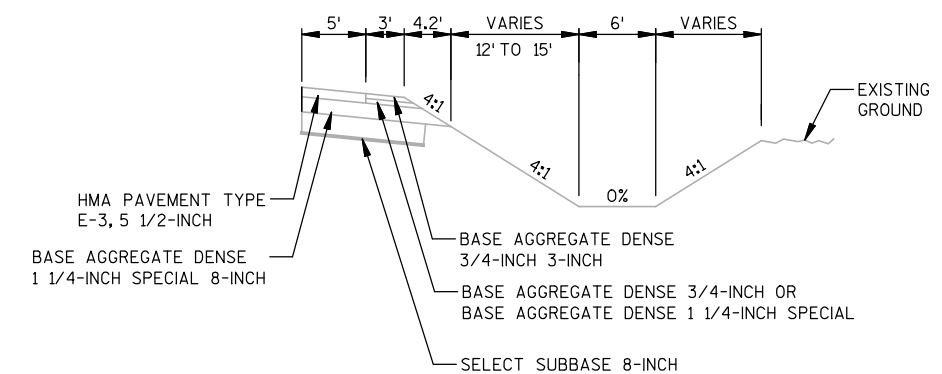
- (1) WIDTH VARIES 15' TO 10'
STA 357+44.2 TO STA 358+05
WIDTH 10'
STA 358+05 TO STA 358+75.4
- (2) WIDTH VARIES 12' TO 0'
STA 355+41.6 TO STA 356+28.3
WIDTH VARIES 0' TO 13.8'
STA 357+22.7 TO STA 358+72.7



TYPICAL EXISTING SECTION

SEVEN MILE ROAD

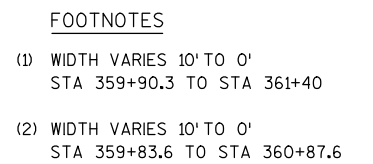
STA 354+90 TO STA 359+65



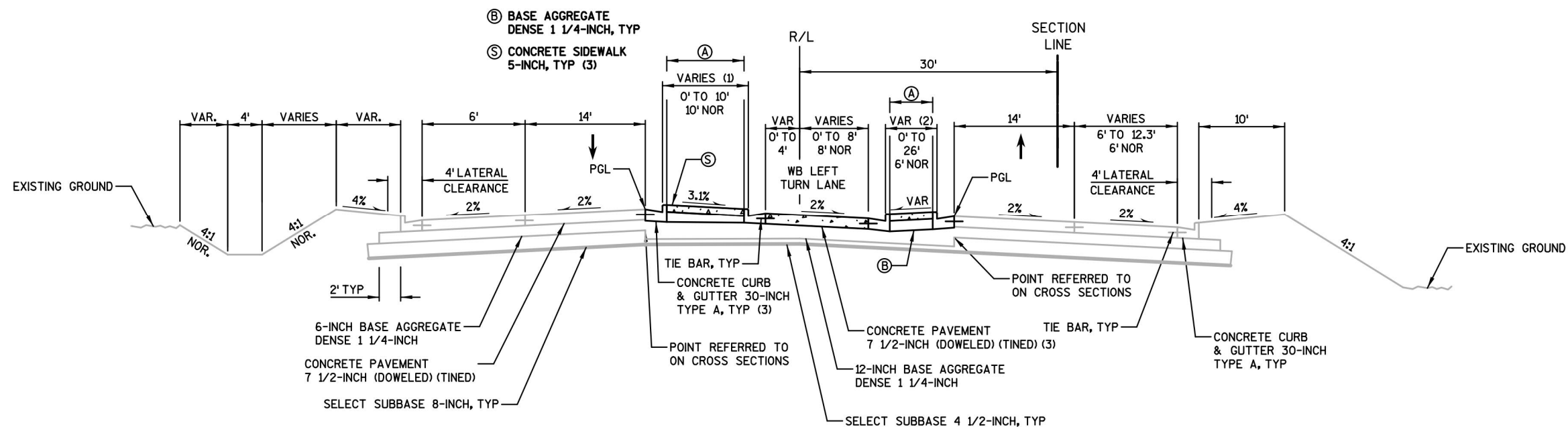
STA 356+42 TO STA 357+23

SHEET 2 OF 5

2



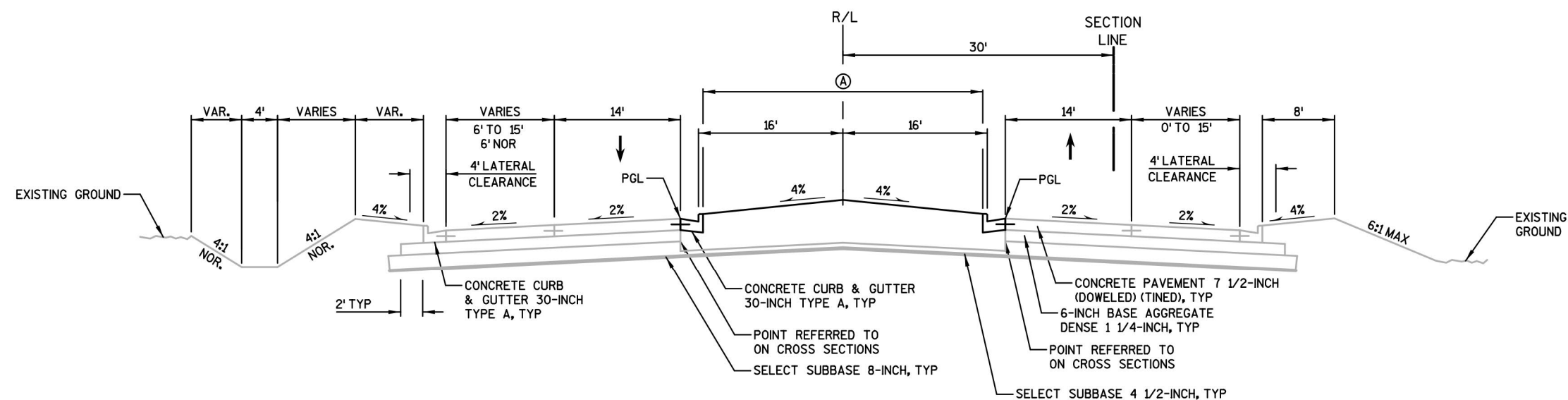
STA 359+65 TO STA 362+95



TYPICAL FINISHED SECTION

7 MILE ROAD

STA 336+72 TO STA 341+00



TYPICAL FINISHED SECTION

7 MILE ROAD

STA 334+00 TO 336+72

NOTES

- (1) WIDTH 10'
STA 336+79 TO STA 338+37
WIDTH VARIES 10' TO 0'
STA 338+37 TO STA 340+11
- (2) WIDTH 6'
STA 336+79 TO STA 338+37.0
WIDTH VARIES 6' TO 26'
STA 338+37.0 TO STA 341+00
- (3) GRADING OF BASE AGGREGATE
DENSE IS INCIDENTAL TO NEW
CURB & GUTTER, SIDEWALK 5-INCH
AND CONCRETE PAVEMENT.

- ① TOPSOIL; FERTILIZER TYPE B SPECIAL;
SEEDING MIXTURE NO. 30 SPECIAL AND
MULCHING WHERE MEDIAN IS GREATER
THAN 8' WIDE (B.O.C. TO B.O.C.)

CONCRETE SIDEWALK
5-INCH WHEN MEDIAN IS LESS THAN 8'
WIDE (B.O.C. TO B.O.C.)

ORIGINAL PLANS PREPARED BY:



STRAND ASSOCIATES

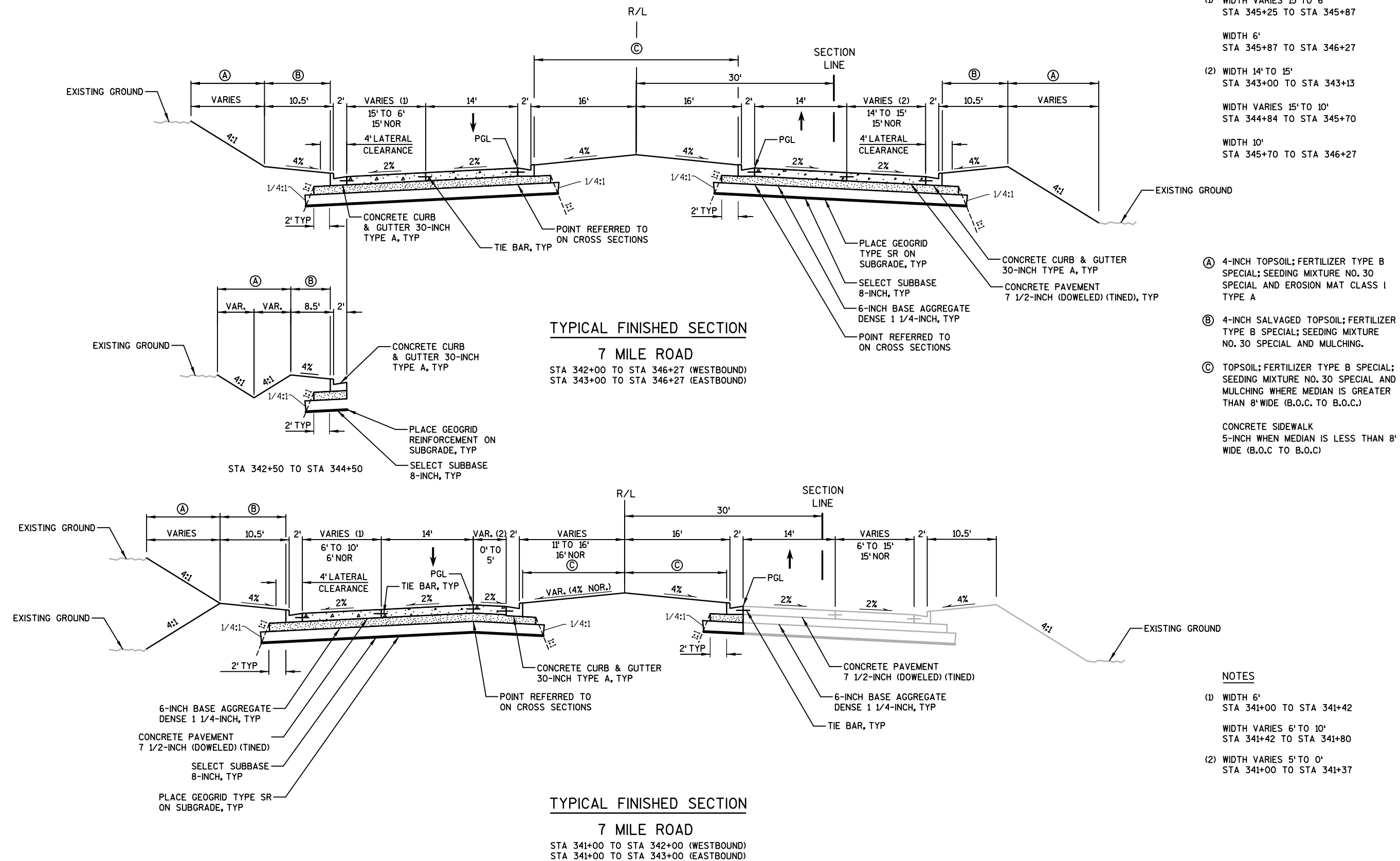
126 N. JEFFERSON STREET, STE. 350
MILWAUKEE, WISCONSIN 53202
(414) 271-07716/4/2018 *Bhupendra Bista*

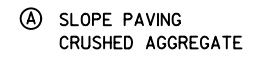
(Date)

(Signature)

THIS STAMP APPLIES TO TYPICAL
FINISHED SECTION SHEETS 1 TO 6 OF 6.

SHEET 10 OF 6

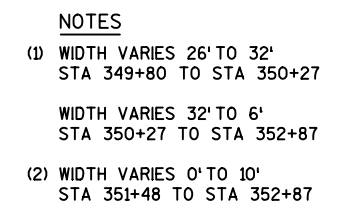
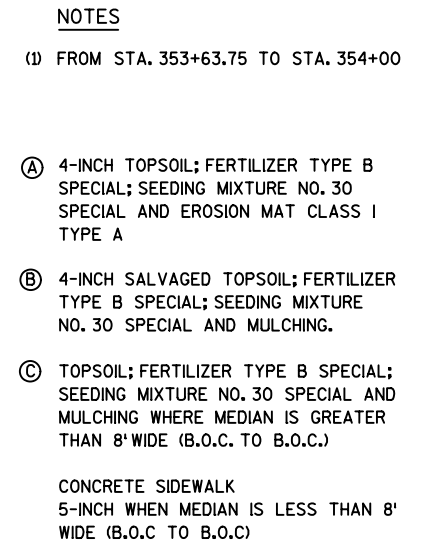




STA 346+27 TO STA 349+80

- (1) VARIES 2% TO 4%
STA 346+50 TO STA 347+00
- (2) VARIES 1% TO 2%
STA 346+25 TO STA 346+50
- (3) VARIES 2% TO 1%
STA 349+25 TO STA 349+50
- (4) VARIES 4% TO 2%
STA 348+75 TO STA 349+25

2



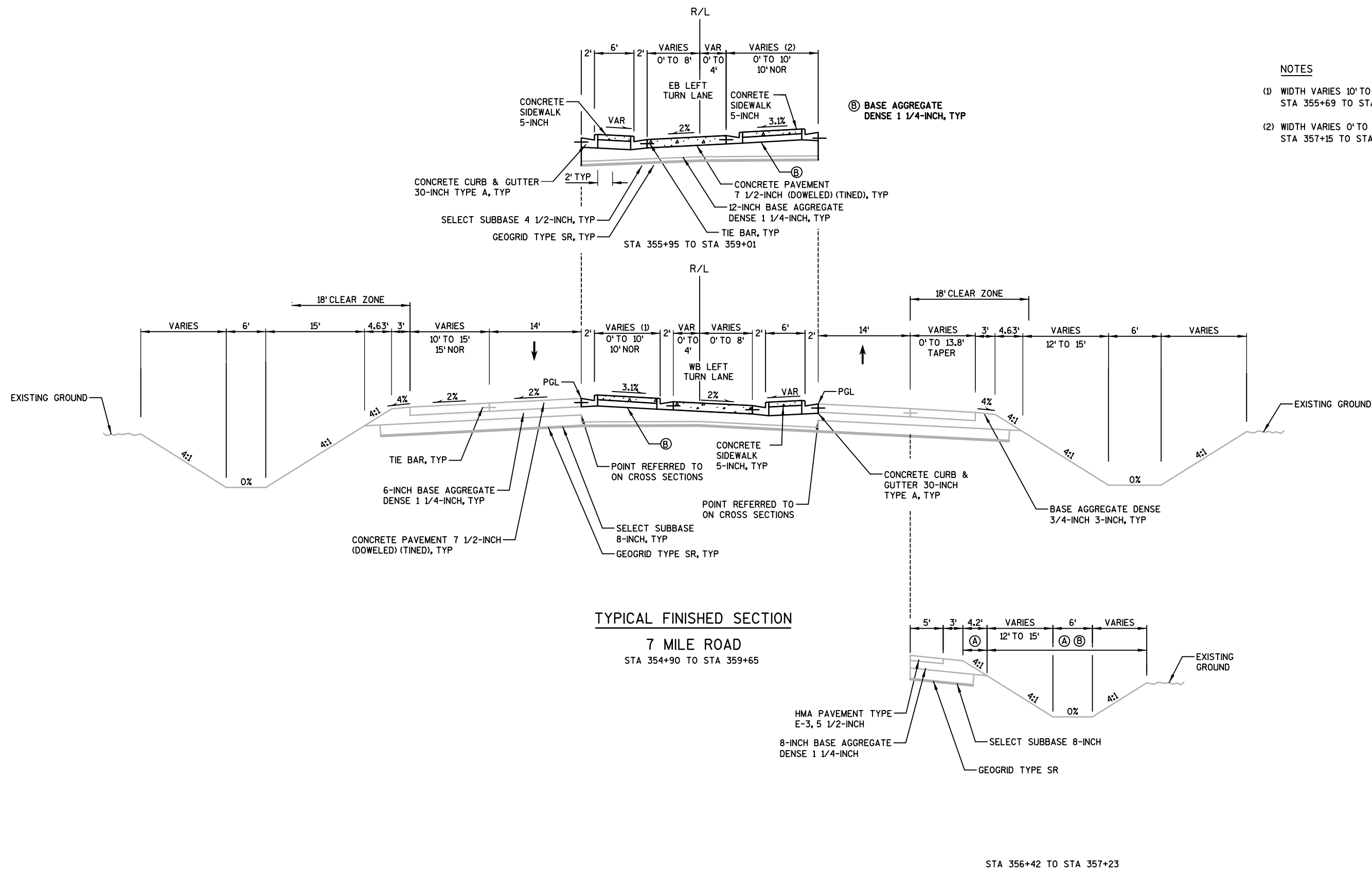
7 MILE ROAD

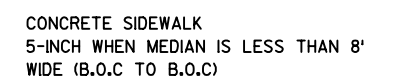
TYPICAL FINISHED SECTION

7 MILE ROAD
STA 349+80 TO STA 353+63.75 (WESTBOUND)
STA 349+80 TO STA 353+66.55 (EASTBOUND)

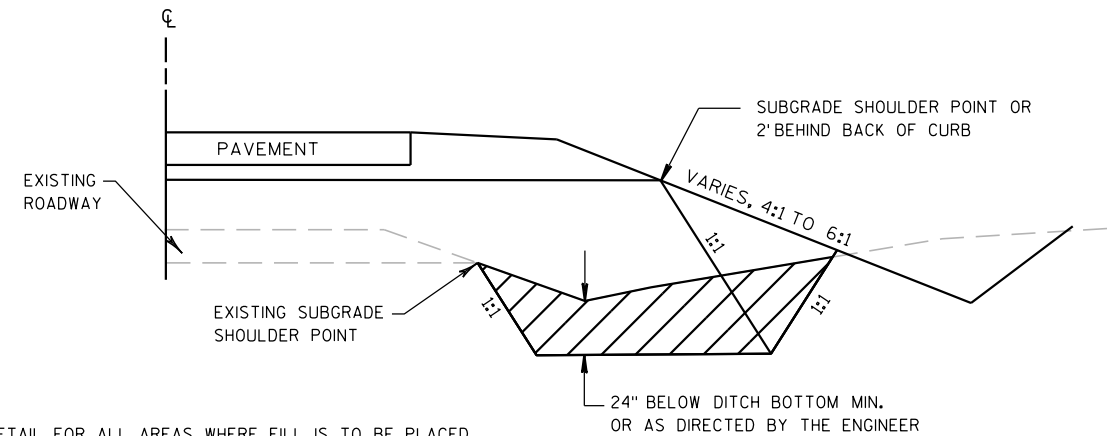
NOTES

- (1) WIDTH VARIES 10' TO 0'
STA 355+69 TO STA 357+09
- (2) WIDTH VARIES 0' TO 10'
STA 357+15 TO STA 358+54.3





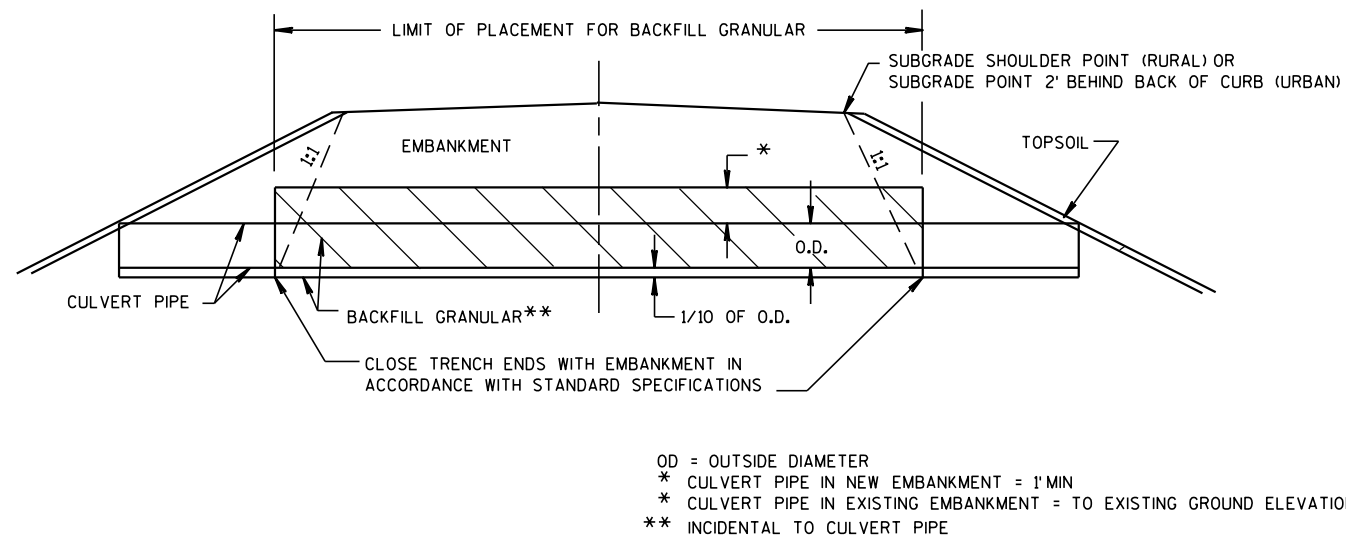
STA 359+65 TO STA 362+52.46



NOTES

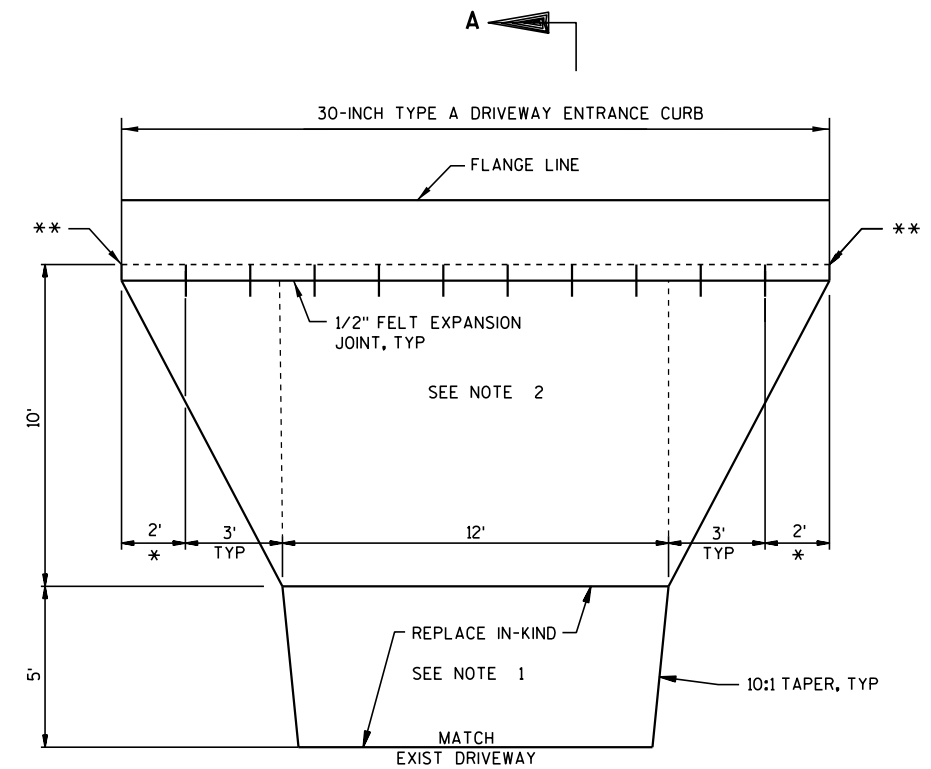
- 1) UTILIZE DETAIL FOR ALL AREAS WHERE FILL IS TO BE PLACED OVER AN EXISTING DITCH.
- 2) EXCAVATE AREA TO A MINIMUM OF 24 INCHES BELOW THE EXISTING DITCH BOTTOM OR AS DIRECTED BY THE ENGINEER.
- 3) EBS AREA TO BE BACKFILLED WITH MATERIAL ACCEPTABLE TO THE ENGINEER.
- 4) BACKFILL MUST BE HOMOGENEOUS WITH ADJOINING FILL MATERIAL.
- 5) EXACT LOCATION AND EXTENTS OF EBS SECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

EBS IN DITCHES DETAIL



CULVERT BACKFILL DETAIL

100813

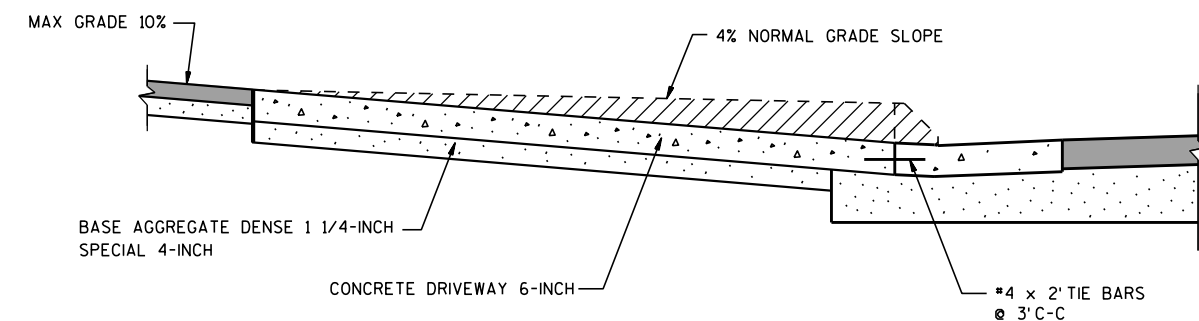


PLAN VIEW

NOTES

- 1) DRIVEWAY SURFACE BEYOND APRON SHALL BE REPLACE IN-KIND WITH ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES 3-INCH OVER BASE AGGREGATE DENSE 3/4-INCH 4-INCH
- 2) ALL URBAN DRIVEWAYS TO BACK OF APRON PAID UNDER THE BID ITEM "CONCRETE DRIVEWAY 6-INCH."

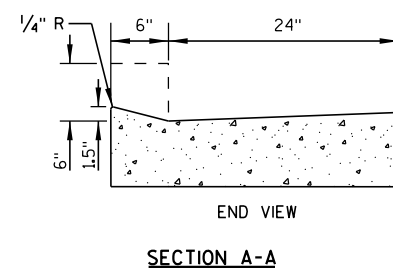
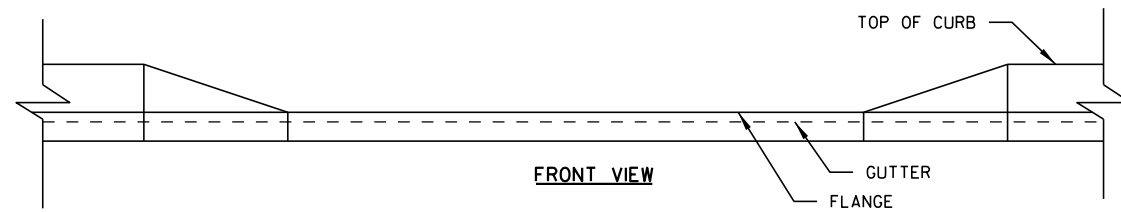
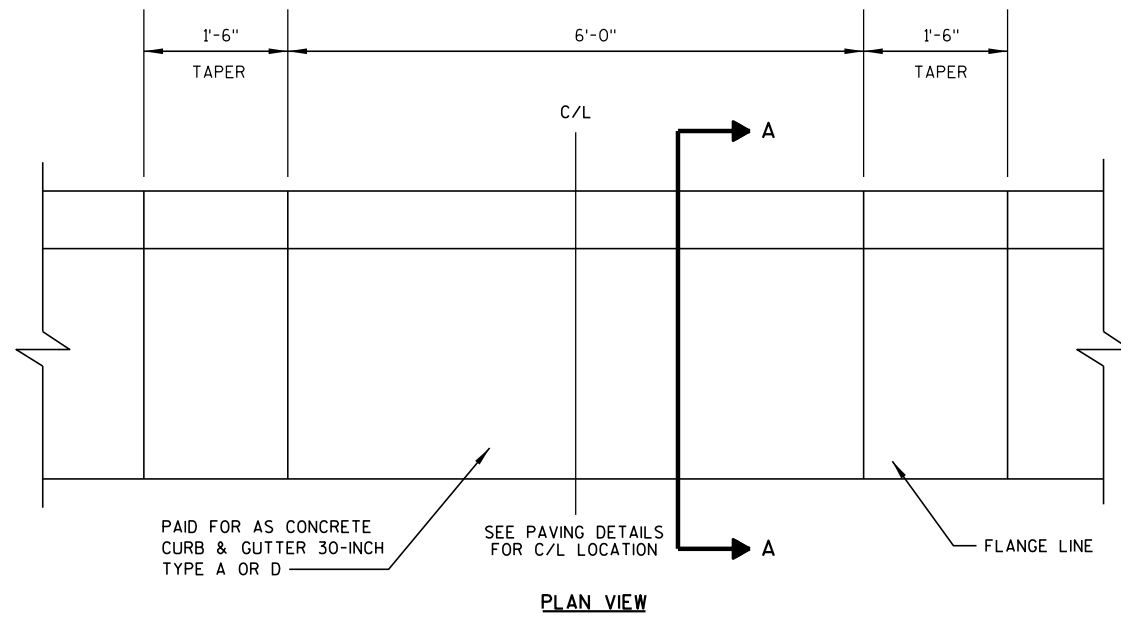
- * TAPER CURB HEAD
 ** STATION SHOWN ON PAVING DETAILS



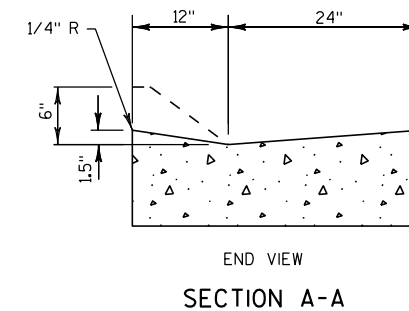
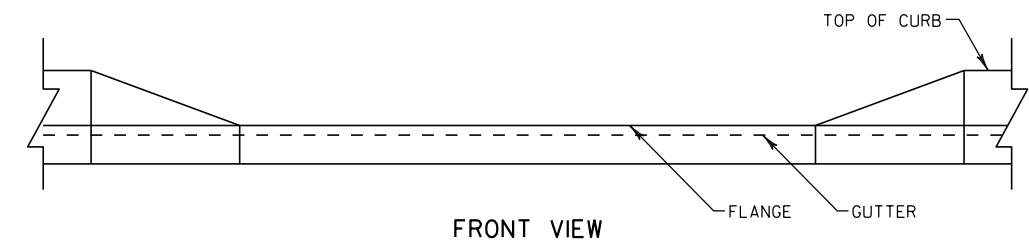
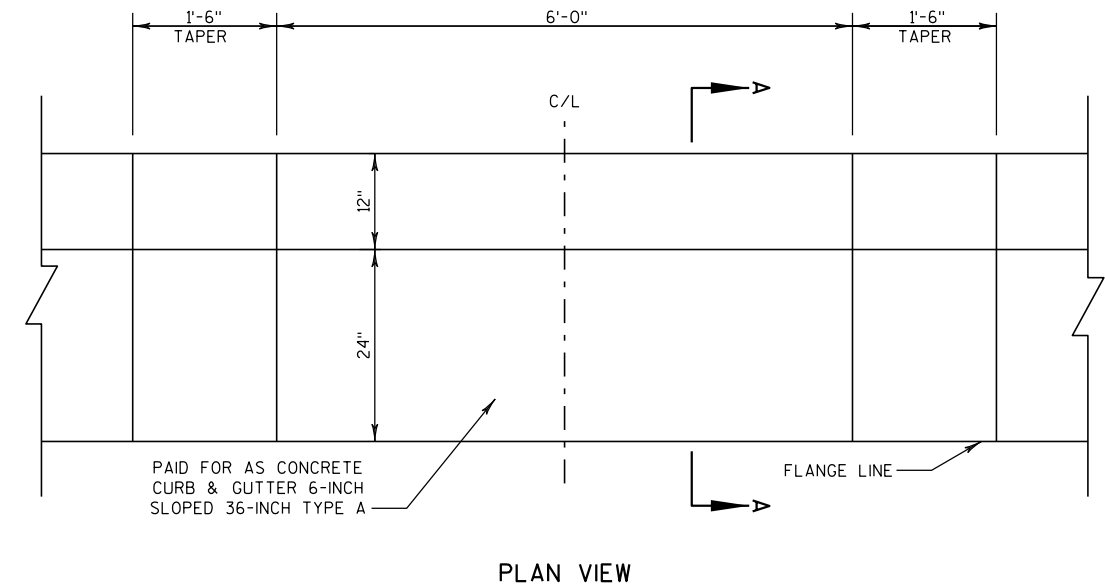
SECTION A-A

URBAN DRIVEWAY DETAIL

352+75, RT

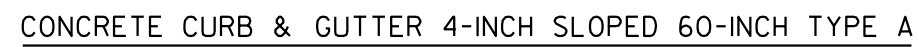


MAINTENANCE OPENING DETAIL 30-INCH CURB & GUTTER
LOCATIONS SHOWN ON PAVING PLANS



MAINTENANCE OPENING 36-INCH CURB & GUTTER
LOCATIONS SHOWN ON PAVING DETAILS

2



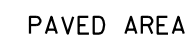
100914

2



NOTE

- 1) ADJUST CHIMNEY WITH PROPER SIZE CONCRETE ADJUSTING RINGS (SIZE OF OPENING OF CONCRETE ADJUSTING RING TO BE DETERMINED BY SIZE OF OPENING IN FRAME) AND REINSTALL EXISTING FRAME AND LID TO FINISHED GRADE. (BACKFILL AND OTHER WORK TO BE DONE IN ACCORDANCE WITH ITEM ADJUSTING INLET COVER.)

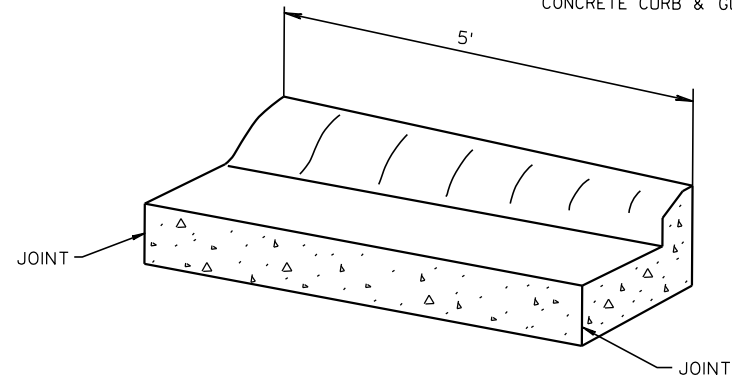


ADJUSTING MANHOLE OR INLET COVERS

100813

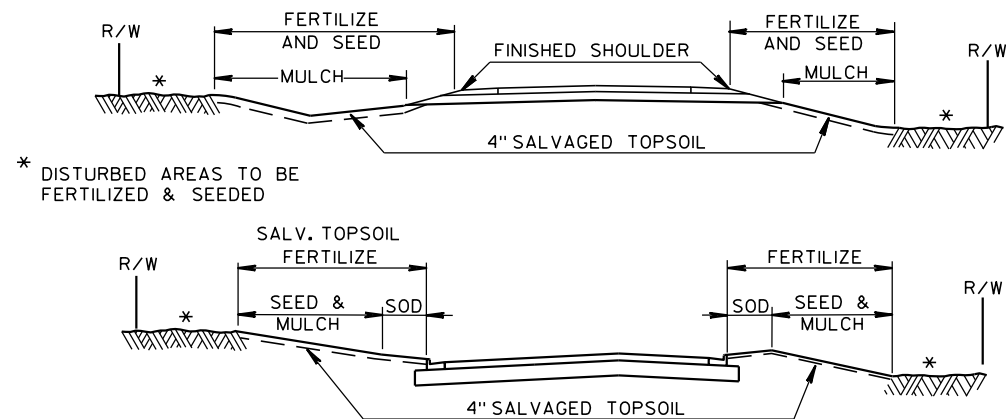
NOTE

- 1) TRANSITIONS ARE BETWEEN CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D TO CONCRETE CURB & GUTTER 30-INCH TYPE D

**CURB & GUTTER TRANSITION DETAIL**

(TO BE MEASURED AND PAID FOR AS CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D)

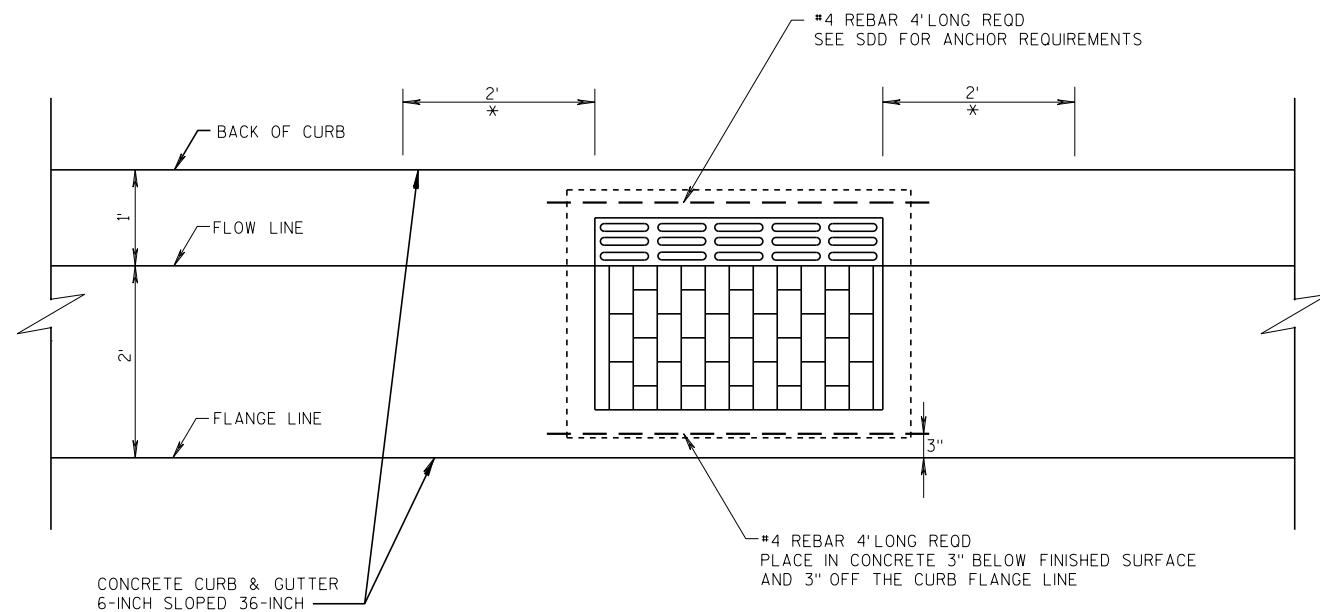
101111

**NOTES**

- 1) USE SEED MIXTURE #20 EXCEPT WHEN ADJACENT TO WETLANDS USE SEED MIXTURE # 80. USE FERTILIZER TYPE B.
2) PROVIDE SOD AT #503 S 27TH STREET.

FINISHING ITEMS DETAIL

* TRANSITION STANDARD CURB HEAD TO MATCH THE TYPE HM INLET COVER.
THE TWO 2-FOOT LONG CURB TRANSITION SEGMENTS ARE PAID AS CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH.



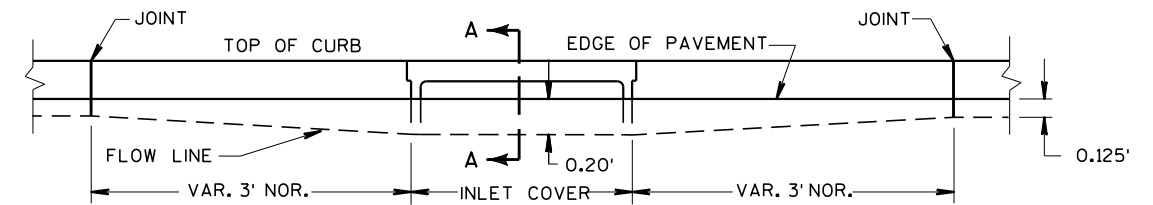
PLAN VIEW

NOTE

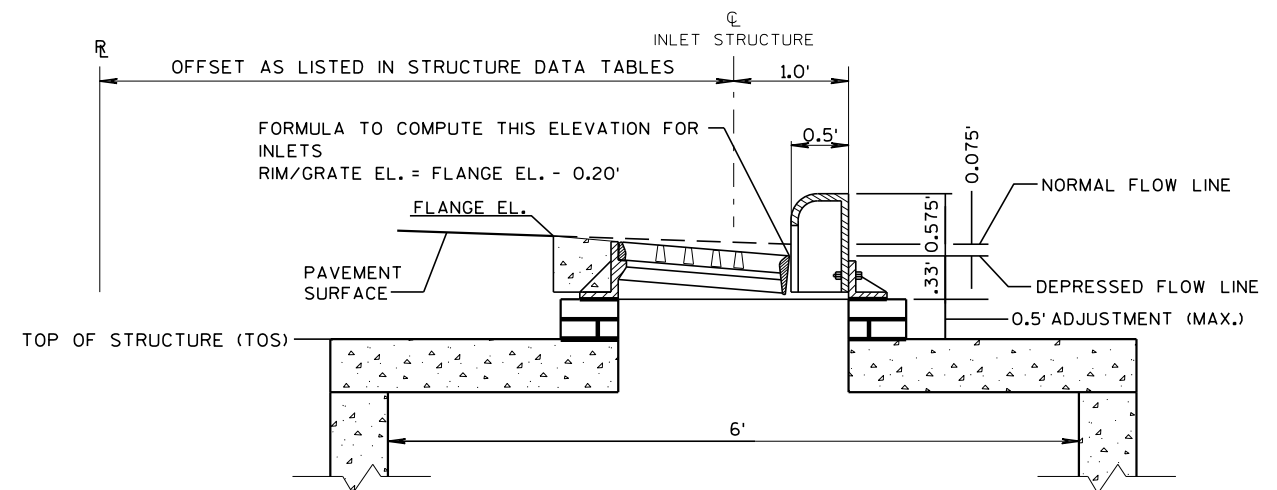
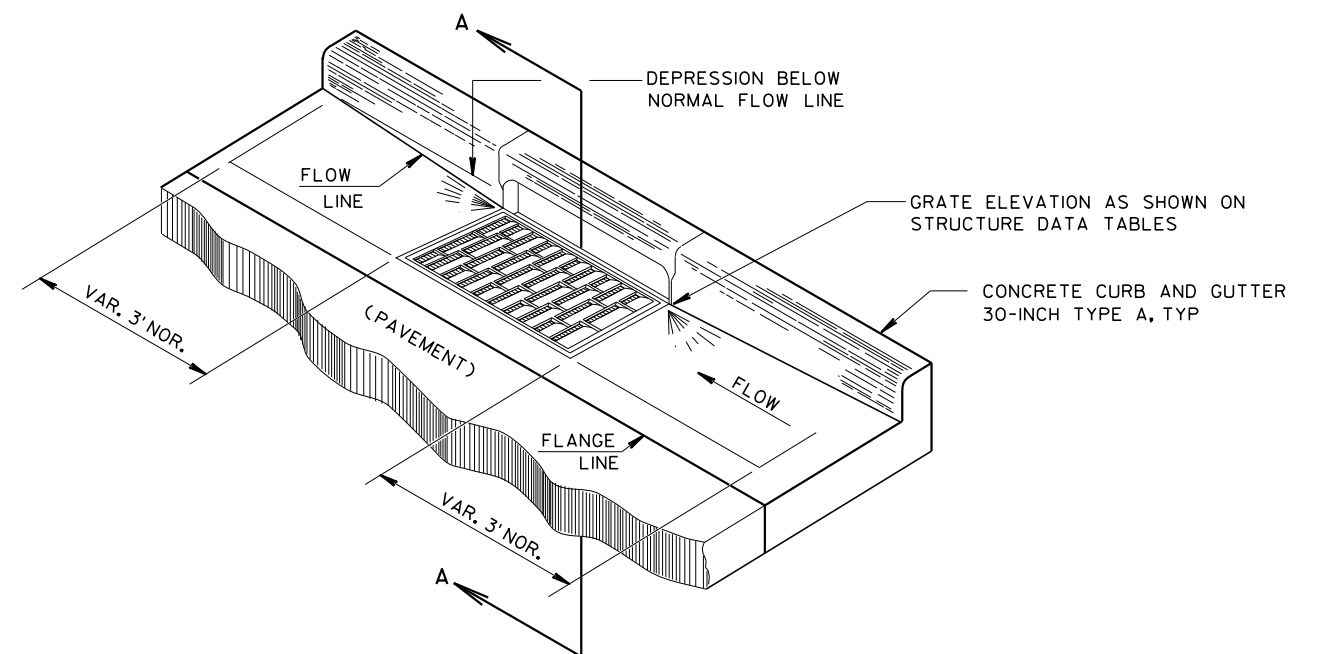
1) THE TWO 4-FOOT LENGTHS OF #4 REBAR ARE INCIDENTAL TO THE BID ITEM "INLET COVERS TYPE HM".

INLET COVERS, TYPE HM

SEE SDD "INLET COVERS TYPE F, HM, HM-S, S, V, HM-GJ, & HM-GJ-S" FOR ADDITIONAL INFORMATION
LOCATIONS SHOWN IN STORM SEWER PLANS



ELEVATION

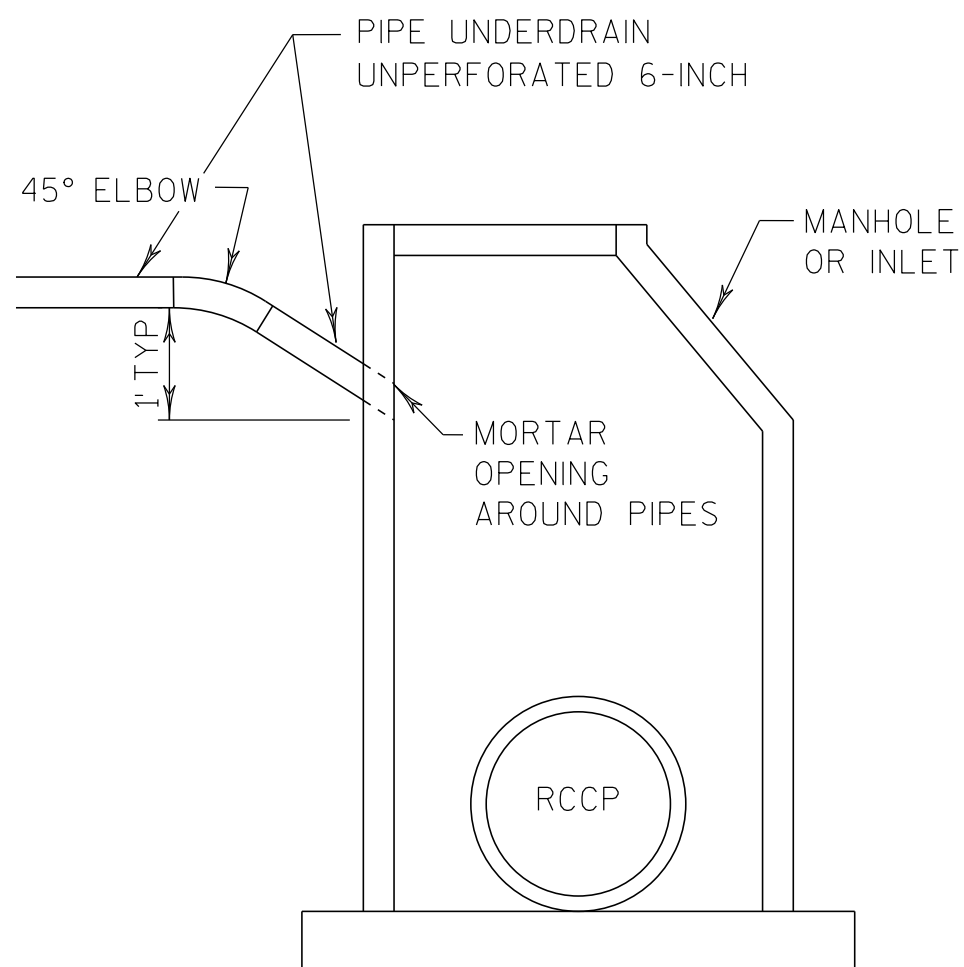


SECTION A-A

CONCRETE CURB & GUTTER 30-INCH TYPE A AT INLETS DETAIL

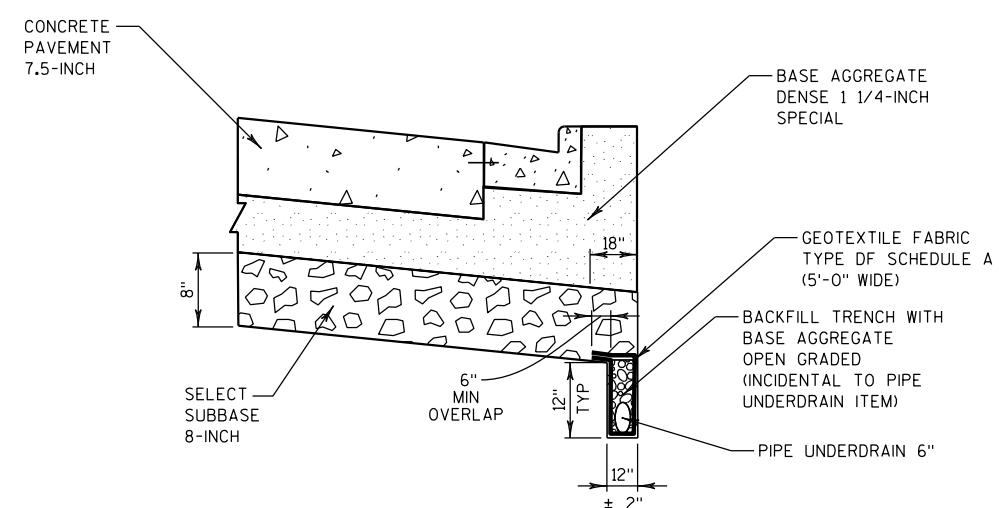
(TYPE 3 MANHOLE STRUCTURE WITH TYPE H INLET CASTING SHOWN)

2



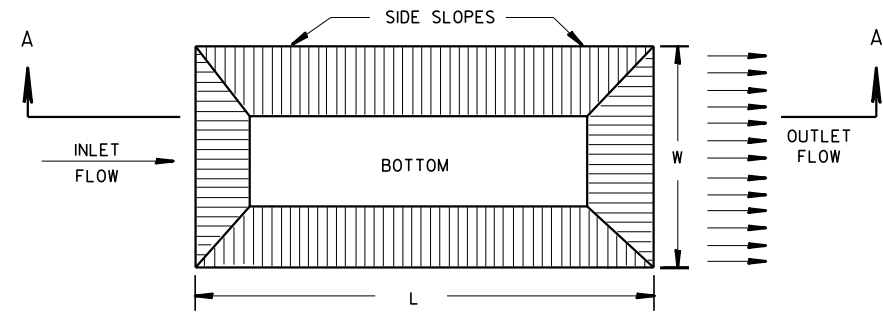
PIPE UNDERDRAIN CONNECTION TO MANHOLES AND INLET DETAIL

2

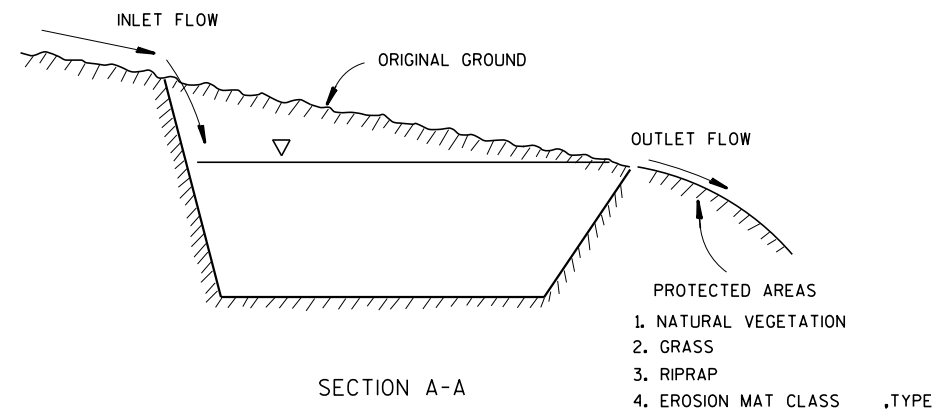


PIPE UNDERDRAIN TRENCH DETAIL

SEVEN MILE ROAD

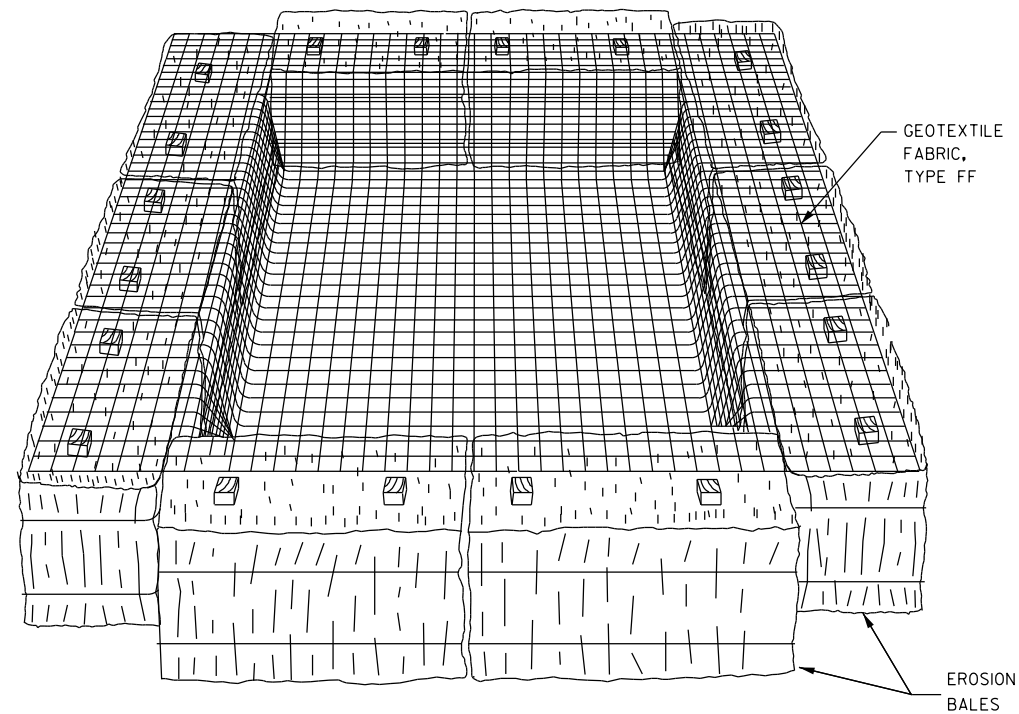


PLAN VIEW



SECTION A-A

TYPICAL EXCAVATED SEDIMENT TRAP



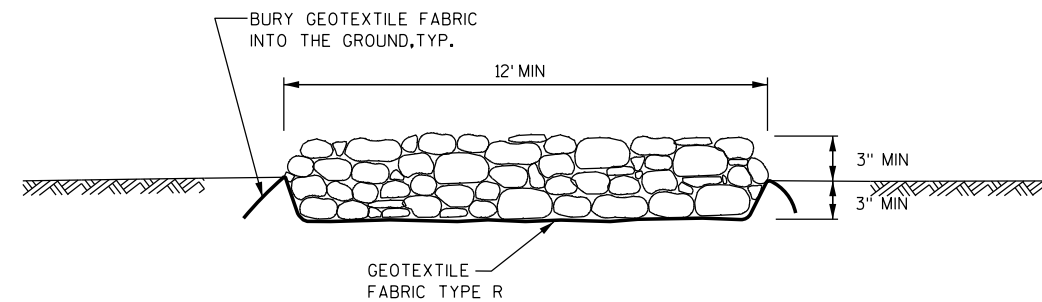
EXAMPLE:
CONTRACTOR INDICATES PUMP CAPABLE OF 50 GPM
HEIGHT OF BALES = 1.5 FT.
SOLUTION:
SV (C.F.) = 16 X 50
SV = 800 C.F.
800 C.F. / 1.5 FT. = 533 S.F.
USE A 20 FT. X 27 FT. BASIN

NOTES

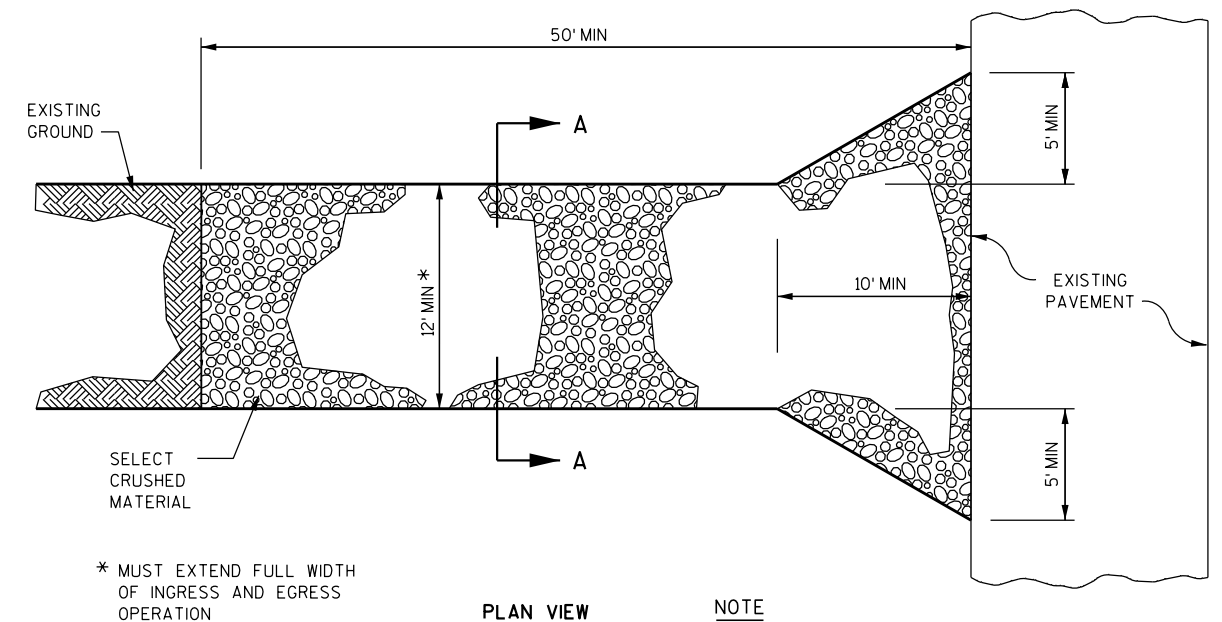
- 1) SEE EROSION CONTROL PLANS FOR LOCATION OF TEMPORARY SEDIMENT BASINS. ADDITIONALLY, THE CONTRACTOR SHALL PUMP WATER FROM DEWATERING OPERATIONS INTO TEMPORARY SEDIMENT BASINS PRIOR TO DISCHARGING INTO ROADSIDE DITCHES.
- 2) BASIN SHALL BE KEPT LESS THAN 10% FULL OF SEDIMENT. GEOTEXTILE FABRIC AND 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 TYPE FF.

TEMPORARY SEDIMENT BASIN DETAIL

UNDISTRIBUTED



SECTION A-A

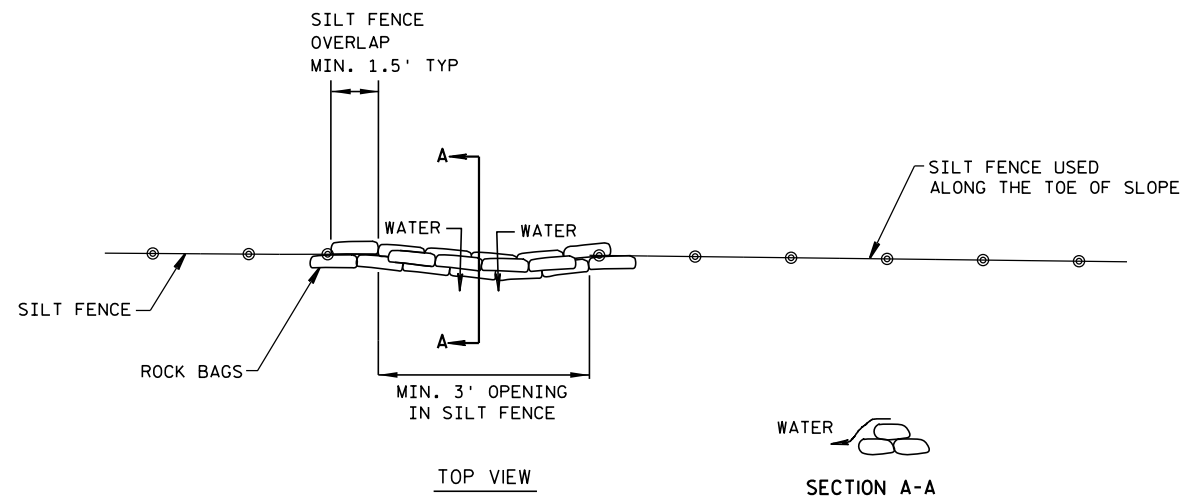


PLAN VIEW

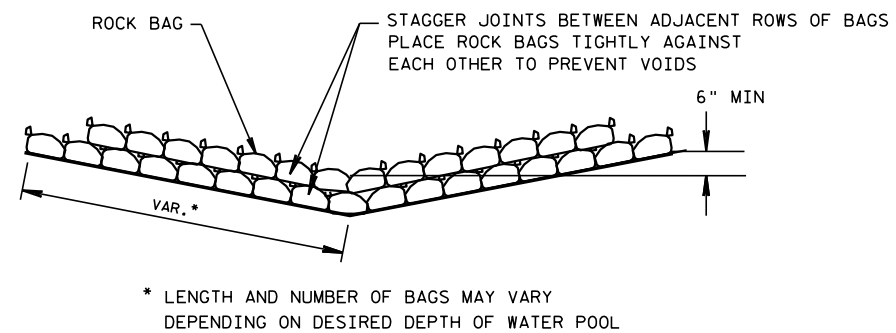
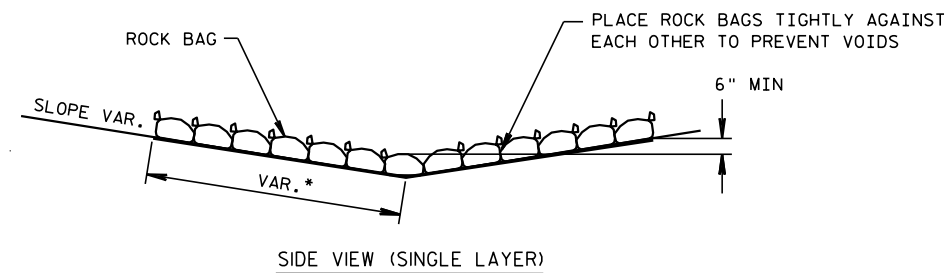
NOTE

- 1) TRACKING MATS SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

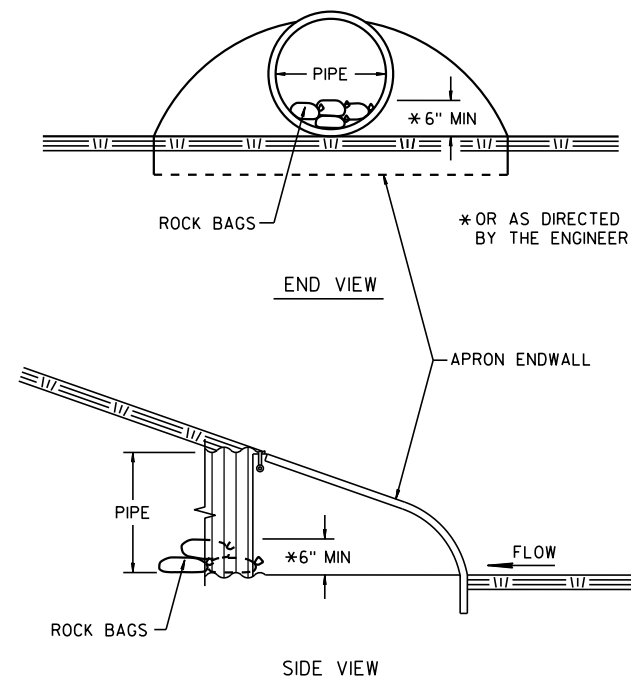
TRACKING MAT DETAIL FOR CONSTRUCTION EGRESS POINTS



ROCK BAGS USED FOR SILT FENCE RELIEF



DITCH CHECKS

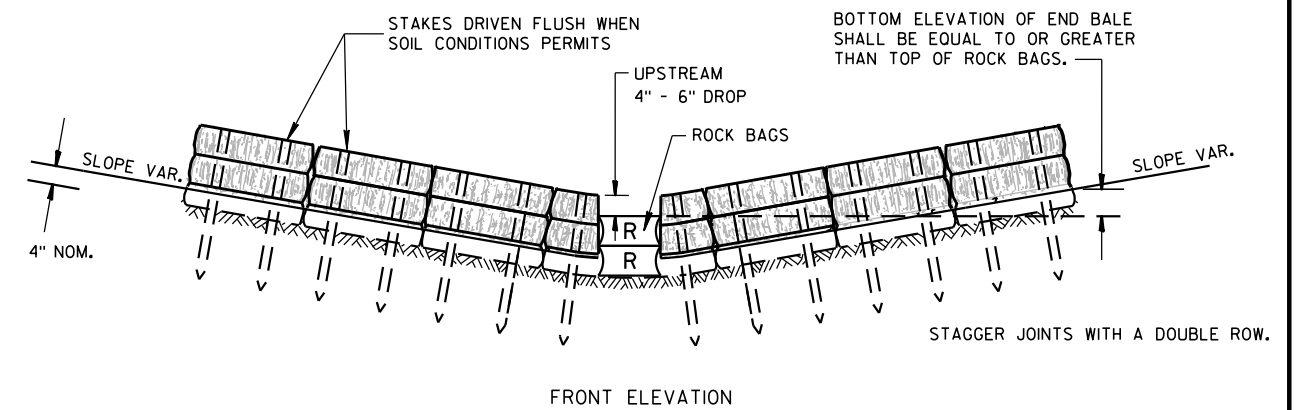
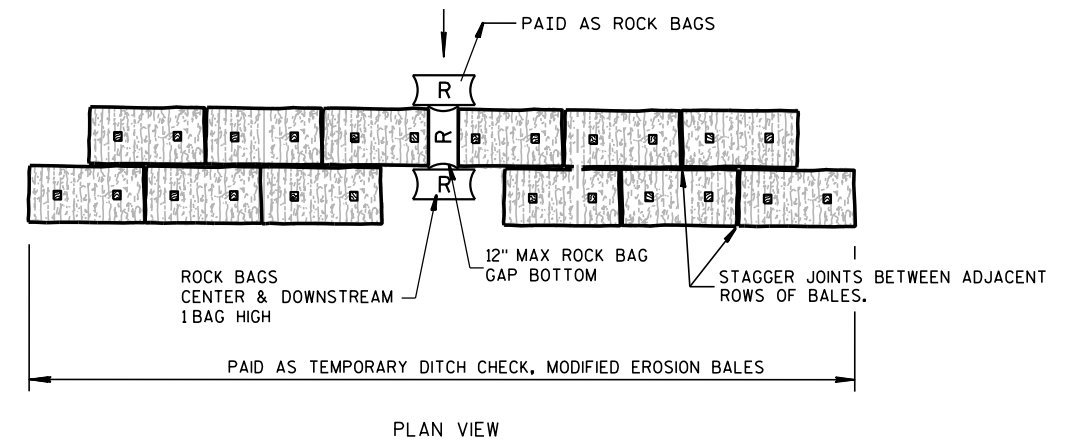


CULVERT PIPE ENDS

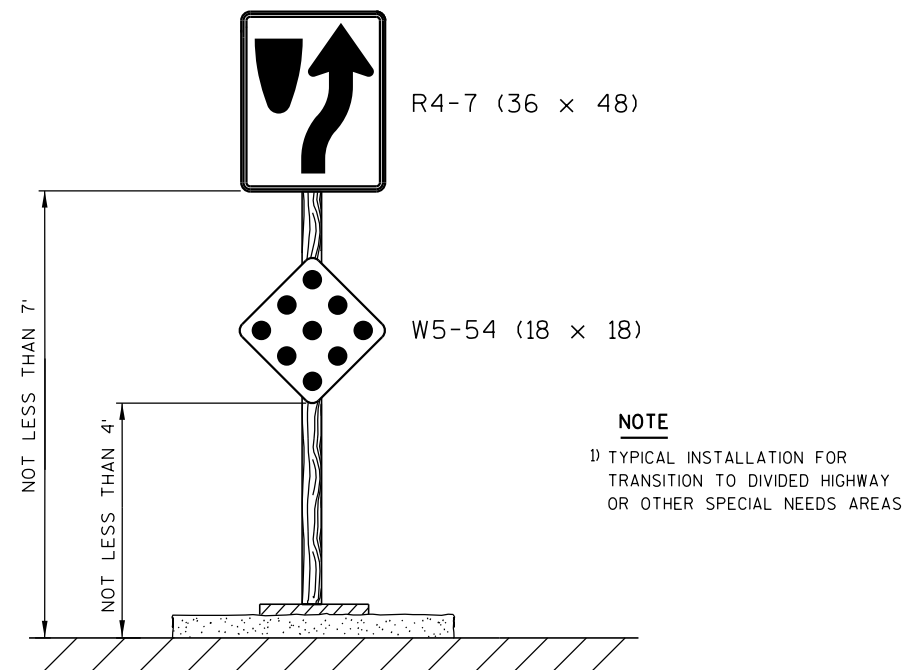
ROCK BAGS DETAIL

NOTE

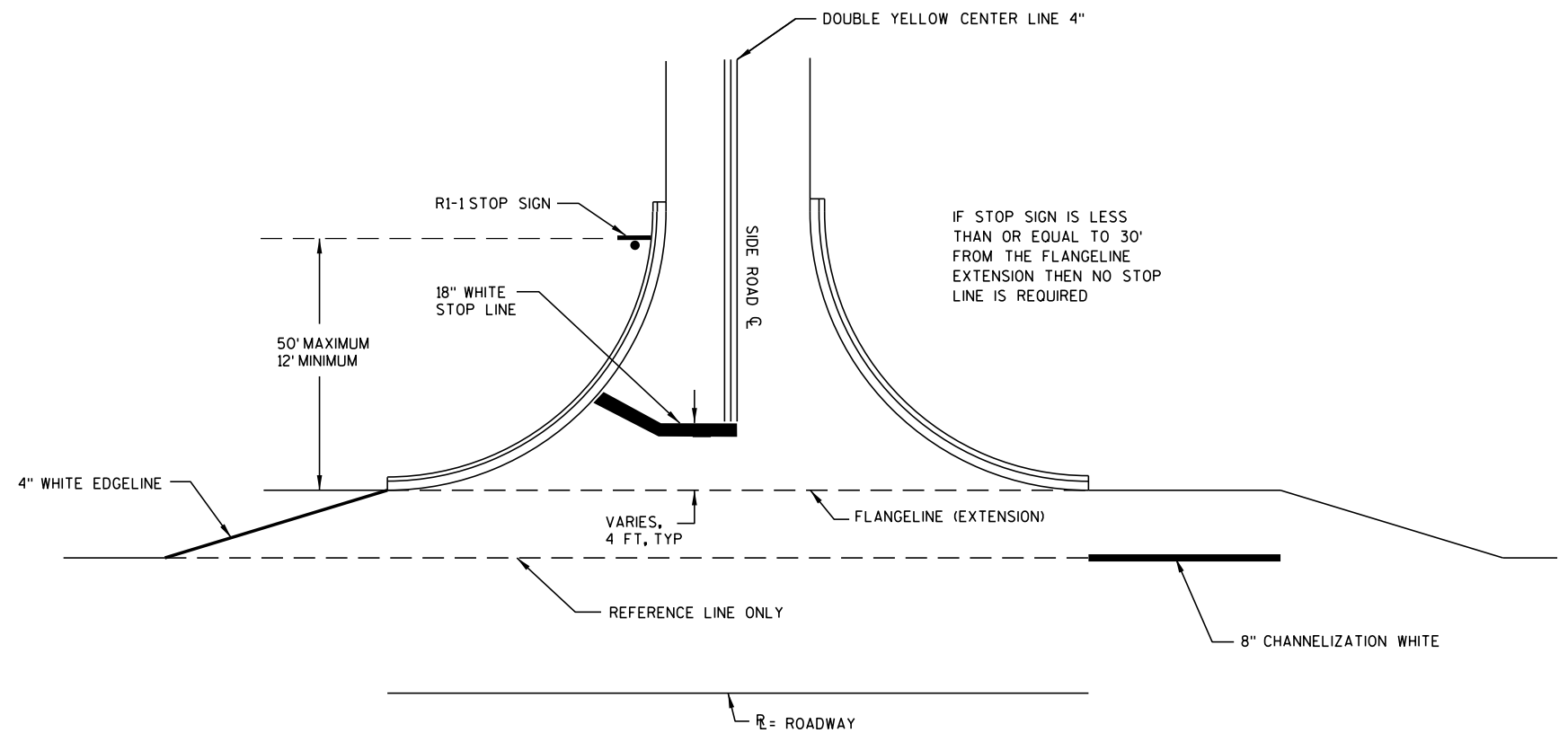
1) DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



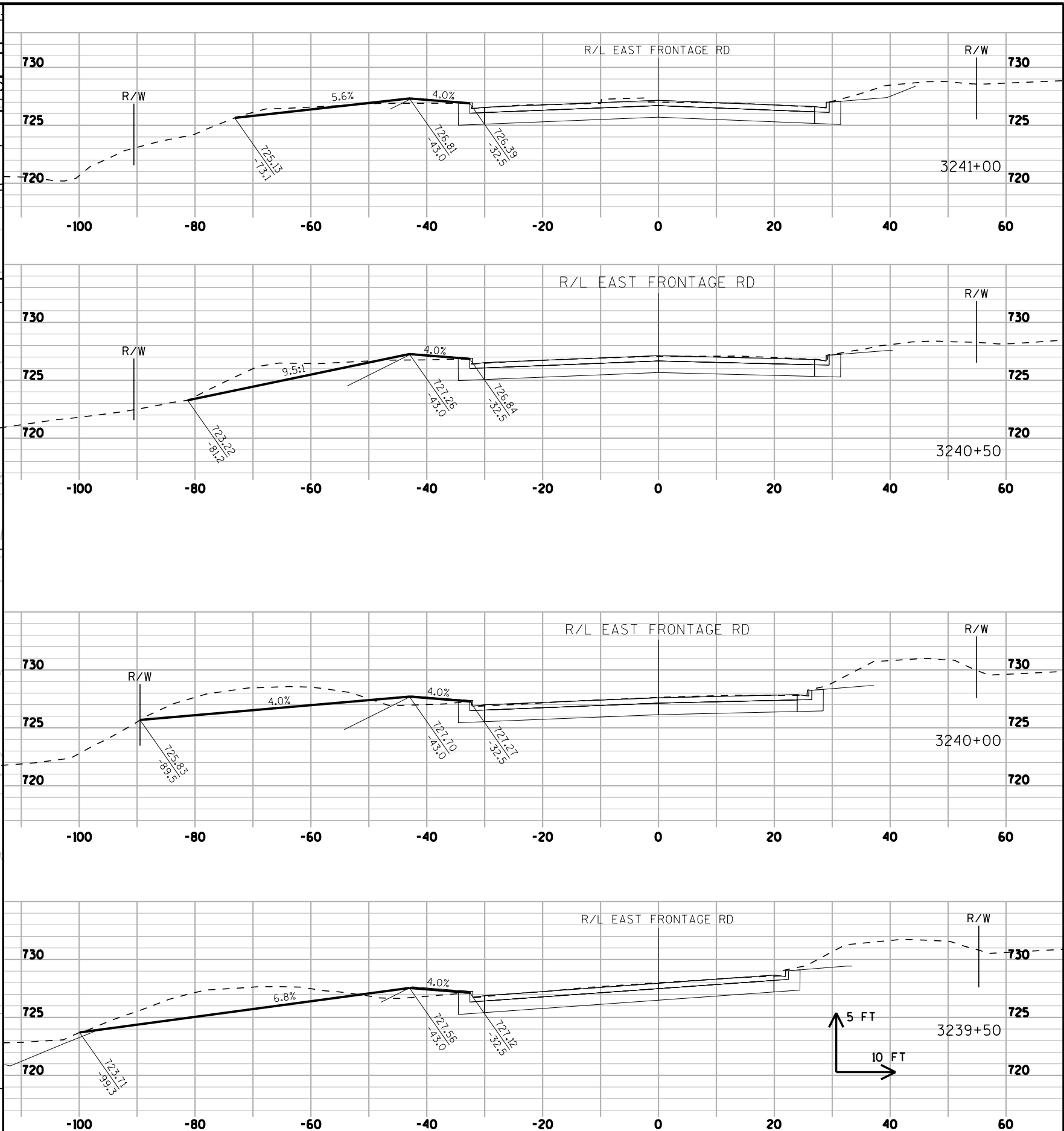
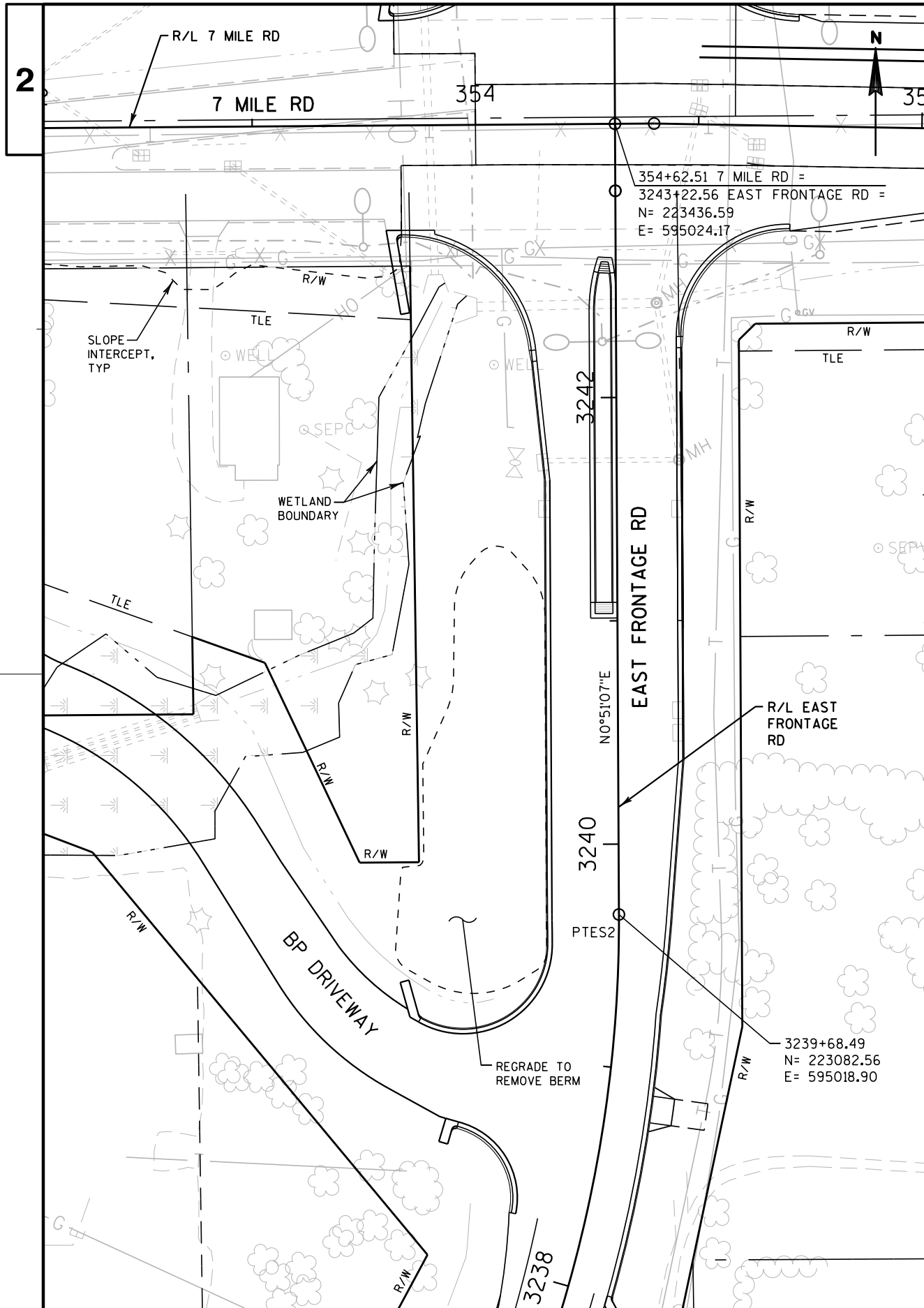
TEMPORARY DITCH CHECK, MODIFIED EROSION BALES



SIGNING DETAIL



PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



DATA TABLE			
POINT *	STATION	OFFSET	RADIUS
0-1	336+09.8	10.0' RT	8'
0-2	336+78.5	13.0' LT	5'
0-3	336+91.0	14.0' RT	4'

ORIGINAL PLANS PREPARED BY:



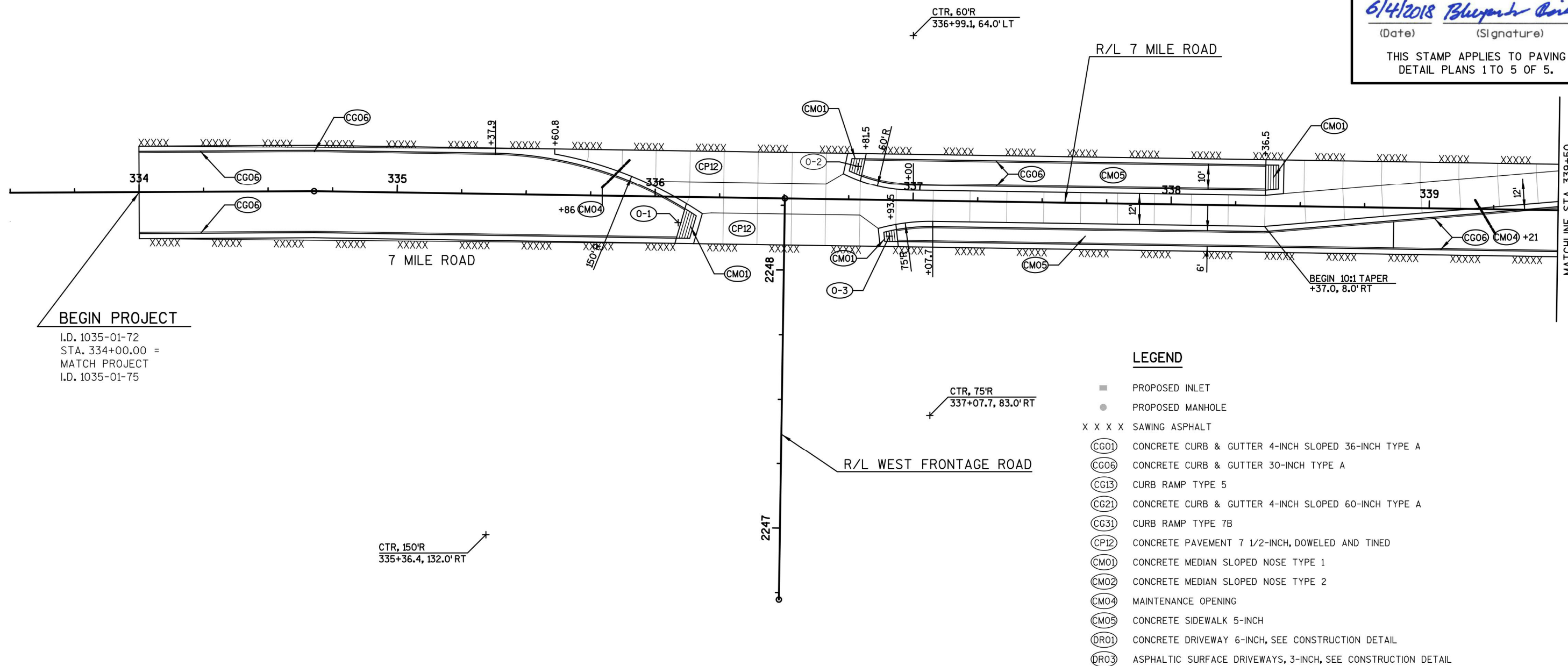
STRAND
ASSOCIATES®
126 N. JEFFERSON STREET, STE. 350
MILWAUKEE, WISCONSIN 53202
(414) 271-0771



6/4/2018 *Bhupendra Bista*

(Date) (Signature)

THIS STAMP APPLIES TO PAVING
DETAIL PLANS 1 TO 5 OF 5.



LEGEND

- PROPOSED INLET
- PROPOSED MANHOLE
- X X X X SAWING ASPHALT
- CG01 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- CG06 CONCRETE CURB & GUTTER 30-INCH TYPE A
- CG13 CURB RAMP TYPE 5
- CG21 CONCRETE CURB & GUTTER 4-INCH SLOPED 60-INCH TYPE A
- CG31 CURB RAMP TYPE 7B
- CP12 CONCRETE PAVEMENT 7 1/2-INCH, DOWELED AND TINED
- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM02 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CM04 MAINTENANCE OPENING
- CM05 CONCRETE SIDEWALK 5-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH, SEE CONSTRUCTION DETAIL
- DR03 ASPHALTIC SURFACE DRIVEWAYS, 3-INCH, SEE CONSTRUCTION DETAIL

SHEET 10F 5

PROJECT NO: 1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

PAVING DETAILS: 7 MILE ROAD

SHEET

32

E

FILE NAME : S:\MIL\1000--1099\1084\001\Micros\10350172_7R\Roads\ods\7r021201_pd.dgn

PLOT DATE : 6/12/2018

PLOT BY : _username_

PLOT NAME :

PLOT SCALE : \$\$.....plot scale.....\$\$

WISDOT/CADDs SHEET 42

2



DATA TABLE			
POINT #	STATION	OFFSET	RADIUS
2-1	346+03.4	46.5 RT	4.5'
2-2	345+95.1	12.0 RT	6'
2-3	345+90.6	8.0 LT	6'
2-4	345+90.8	42.5 LT	4.5'
2-5	346+27.1	44.0 LT	6'
2-6	1242+49.3 NE	5.0 RT	4'
2-7	349+85.5	44.5 LT	4.5'
2-7	1242+22.4 NE	5.5 RT	4.5'
2-8	349+86.2	10.3 LT	6'
2-9	349+86.2	8.0 RT	6'
2-10	349+86.0	42.5 RT	4.5'
2-10	1241+41.1 SE	9.2 RT	4.5'
2-11	345+73.5	46.0 RT	4'
2-12	346+72.6	6.4 RT	4.5'
2-13	349+07.5	2.6 LT	6'
2-14	350+19.8	43.8 LT	4'
2-15	349+81.2	42.5 RT	4.5'
2-15	1241+40.8 SE	4.5 RT	4.5'
2-16	1241+03.9 SE	3.5 RT	3.5'
2-17	345+98.3	42.5 LT	4.5'

MATCHLINE STA 345+00

MATCHLINE STA 351+00

LEGEND

- PROPOSED INLET
- PROPOSED MANHOLE
- X X X X SAWING ASPHALT
- (CG01) CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
- (CG06) CONCRETE CURB & GUTTER 30-INCH TYPE A
- (CG13) CURB RAMP TYPE 5
- (CG21) CONCRETE CURB & GUTTER 4-INCH SLOPED 60-INCH TYPE A
- (CG31) CURB RAMP TYPE 7B
- (CP12) CONCRETE PAVEMENT 7 1/2-INCH, DOWELED AND TINED
- (CM01) CONCRETE MEDIAN SLOPED NOSE TYPE 1
- (CM02) CONCRETE MEDIAN SLOPED NOSE TYPE 2
- (CM04) MAINTENANCE OPENING
- (CM05) CONCRETE SIDEWALK 5-INCH
- (DR01) CONCRETE DRIVEWAY 6-INCH, SEE CONSTRUCTION DETAIL
- (DR03) ASPHALTIC SURFACE DRIVEWAYS, 3-INCH, SEE CONSTRUCTION DETAIL
- (CP02) CONCRETE PAVEMENT 8-INCH, DOWELED AND TINED

PROJECT NO: 1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

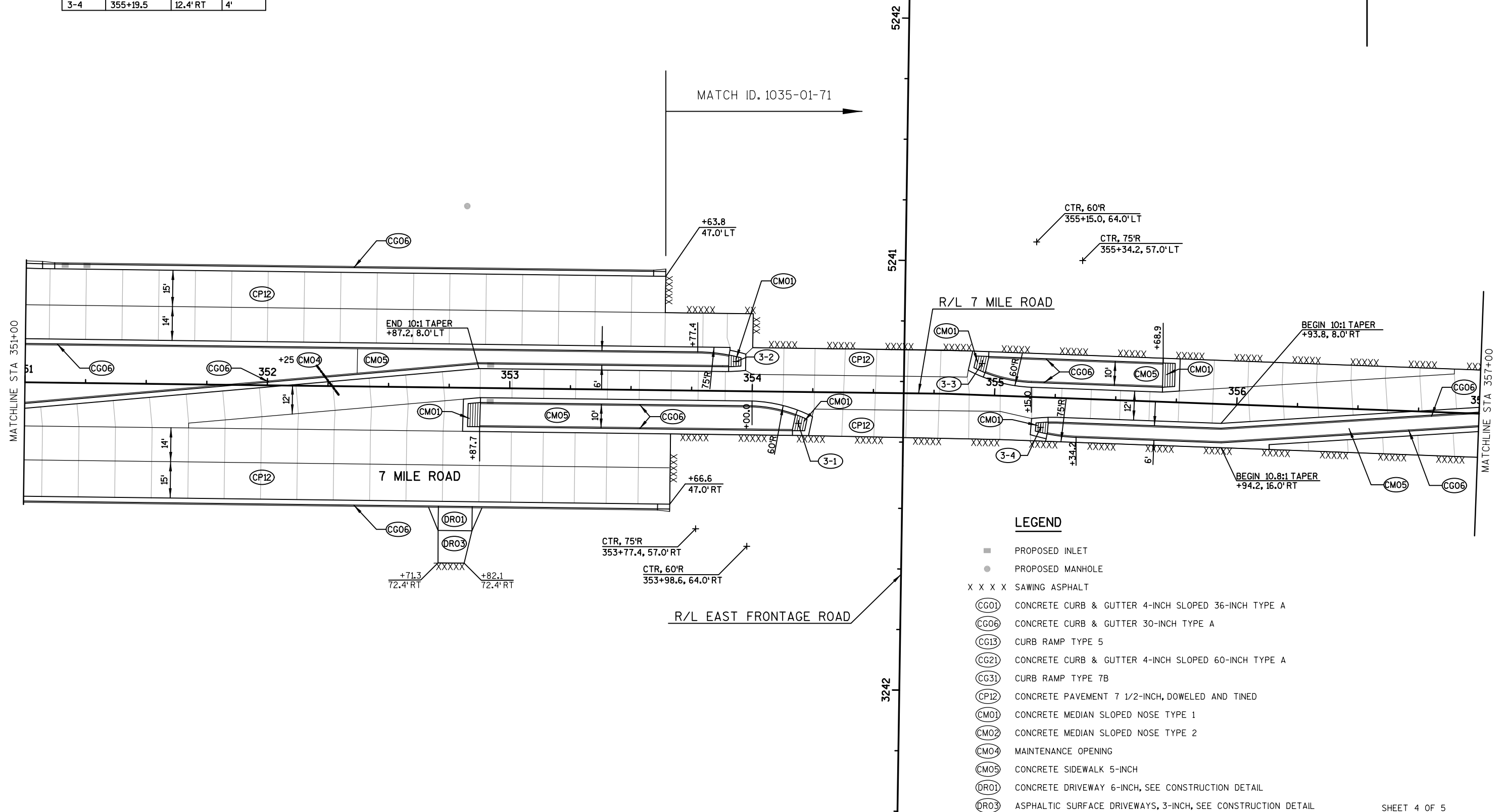
PAVING DETAILS

SHEET

34

E

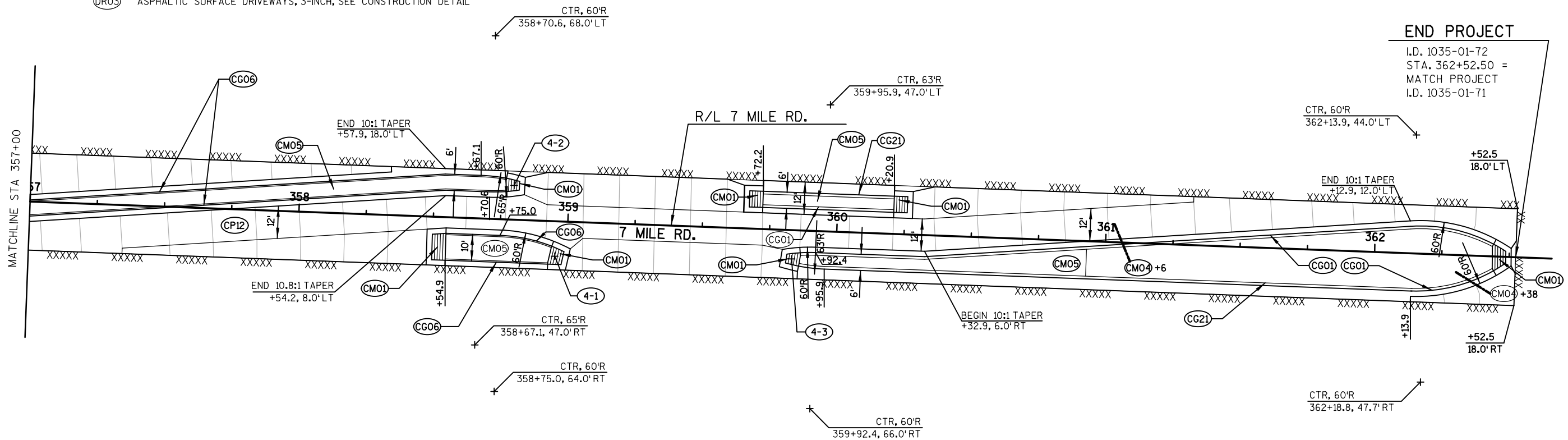
DATA TABLE			
POINT #	STATION	OFFSET	RADIUS
3-1	354+19.2	13.0' RT	5'
3-2	353+93.2	12.2' LT	4'
3-3	354+94.4	13.0' LT	5'
3-4	355+19.5	12.4' RT	4'



LEGEND

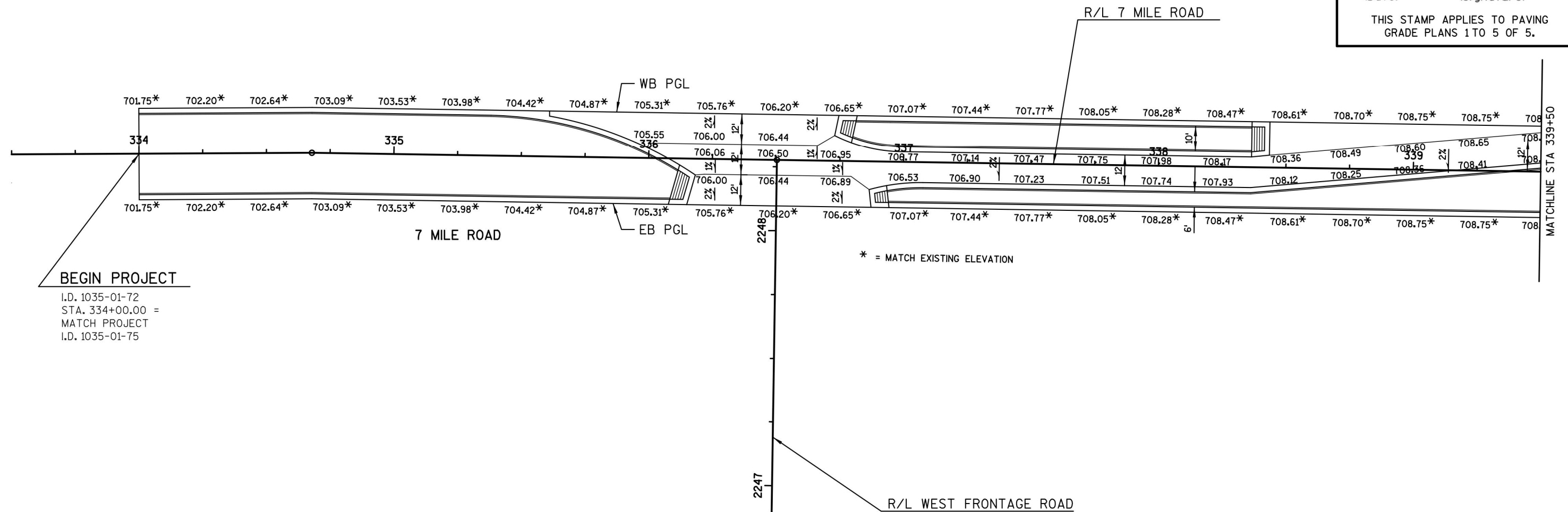
- PROPOSED INLET
- PROPOSED MANHOLE
- X X X X SAWING ASPHALT
- CG01 CONCRETE CURB & GUTTER 4-INCH SLOPED 36-INCH TYPE A
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- CM01 CONCRETE MEDIAN SLOPED NOSE TYPE 1
- CM02 CONCRETE MEDIAN SLOPED NOSE TYPE 2
- CM04 MAINTENANCE OPENING
- CM05 CONCRETE SIDEWALK 5-INCH
- DR01 CONCRETE DRIVEWAY 6-INCH, SEE CONSTRUCTION DETAIL
- DR03 ASPHALTIC SURFACE DRIVEWAYS, 3-INCH, SEE CONSTRUCTION DETAIL

DATA TABLE			
POINT #	STATION	OFFSET	RADIUS
4-1	358+95.6	13.0' RT	5'
4-2	358+79.6	12.7' LT	4'
4-3	359+83.6	10.7' RT	4'

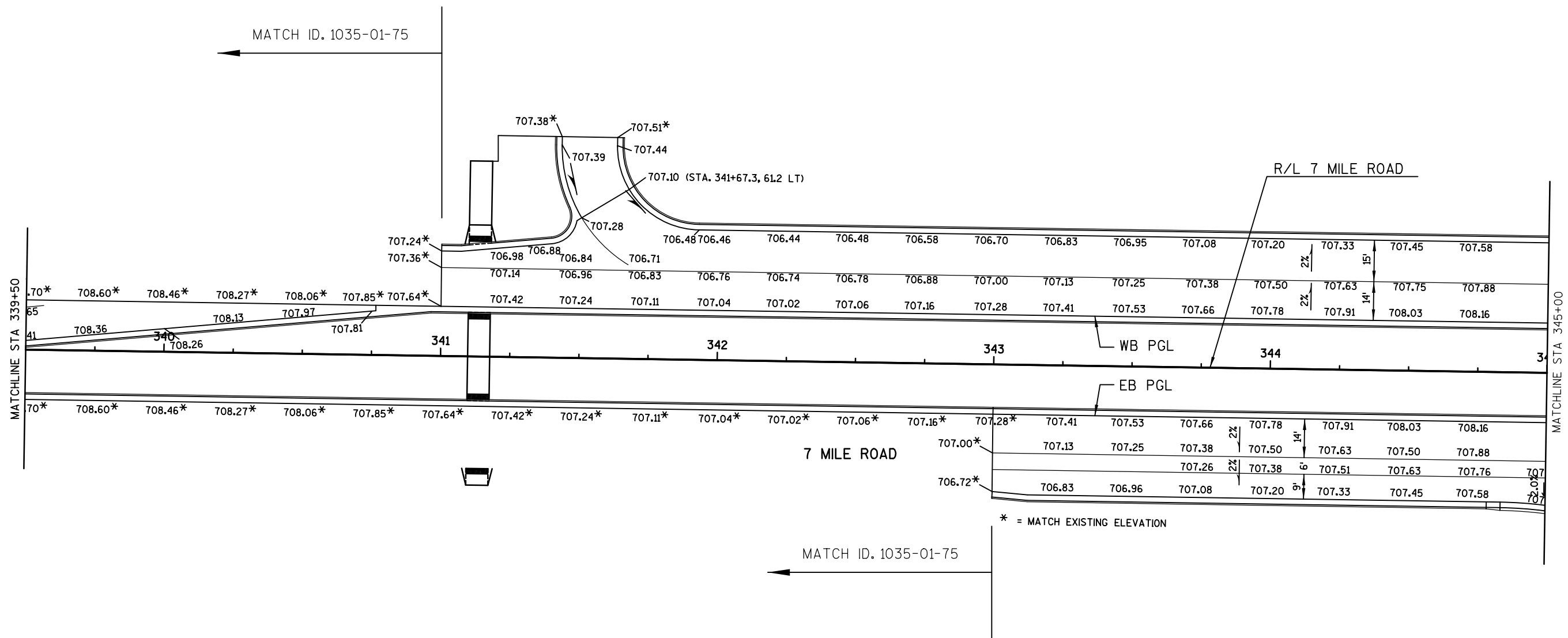


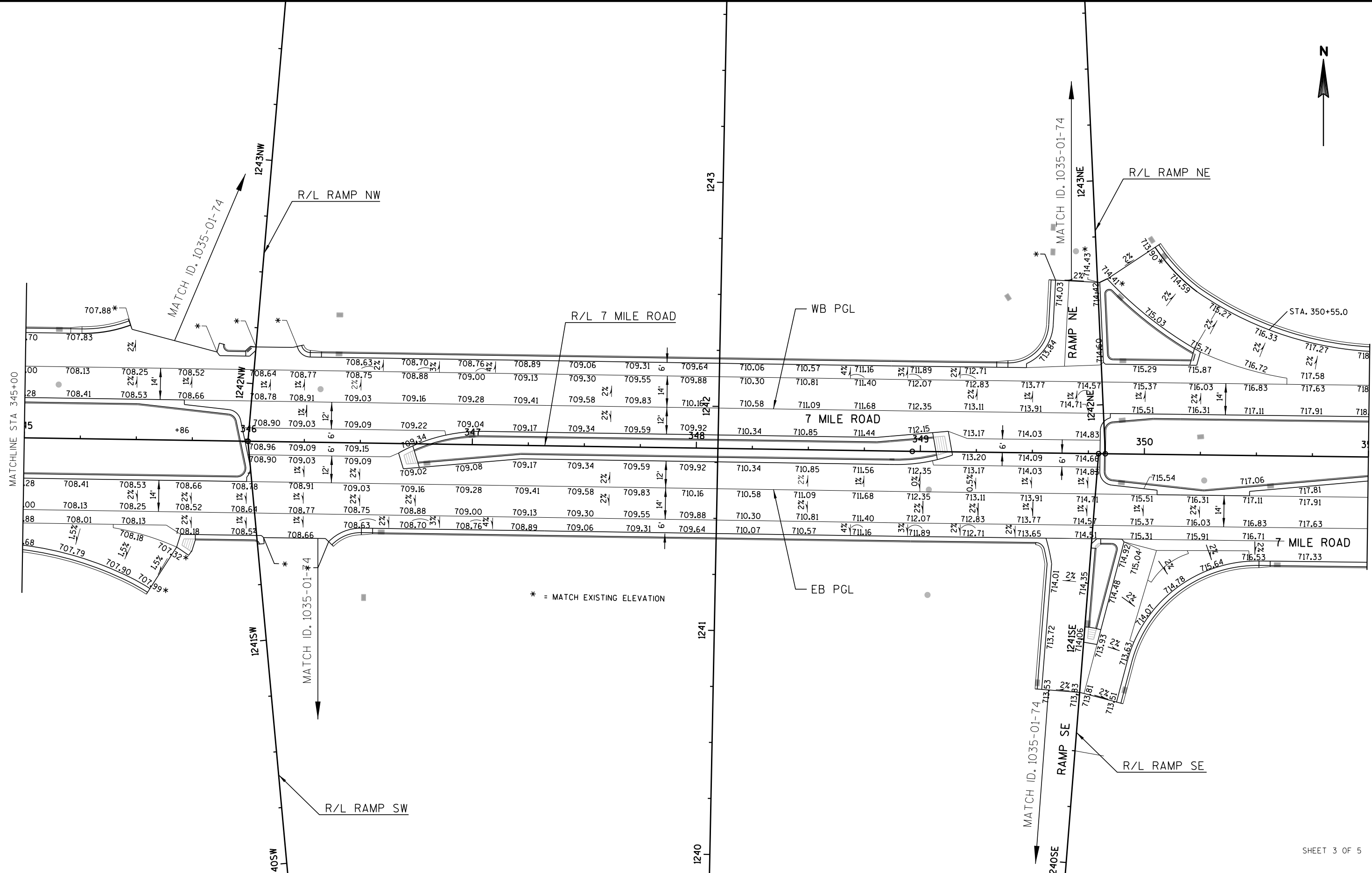
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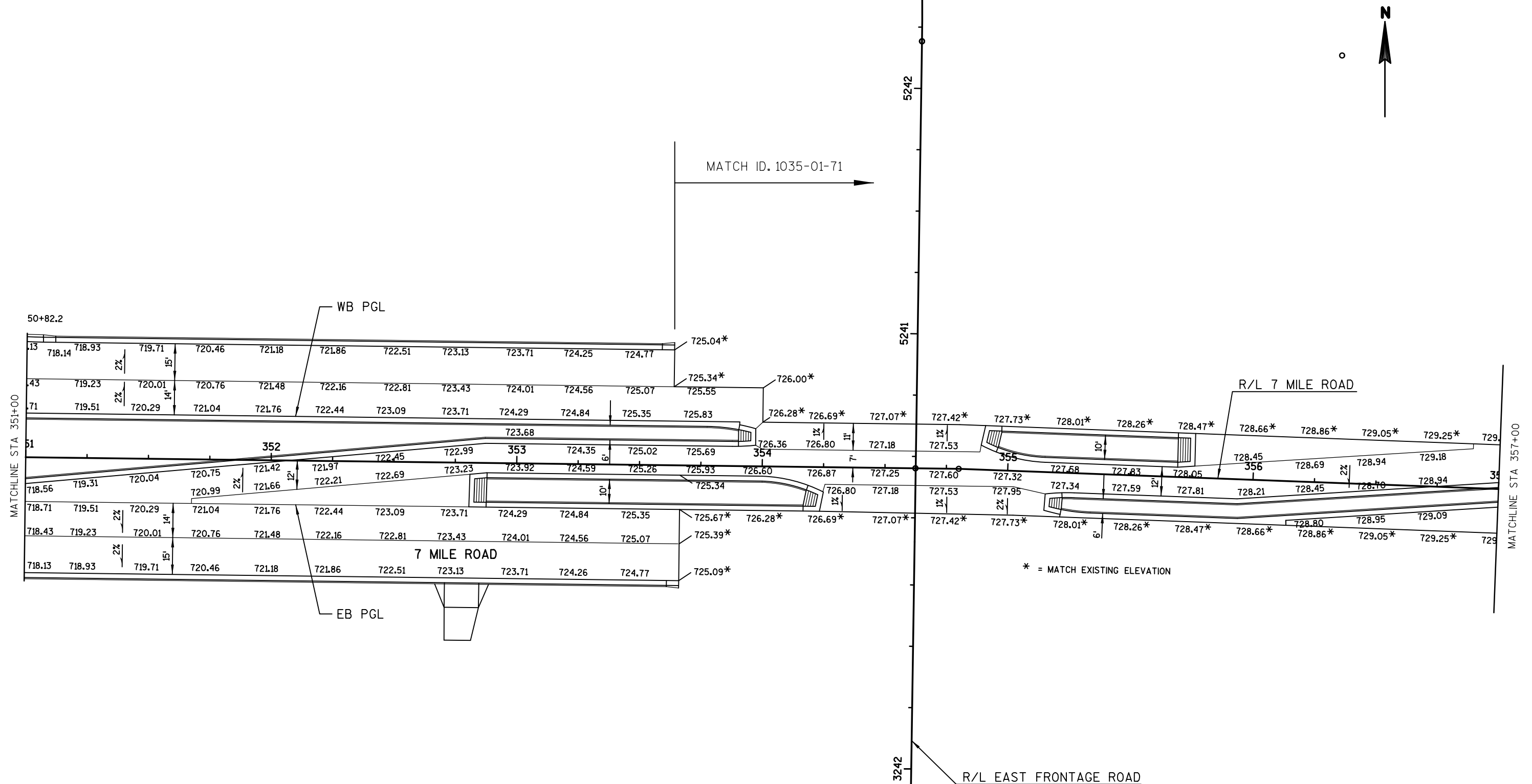
THIS STAMP APPLIES TO PAVING
GRADE PLANS 1 TO 5 OF 5.



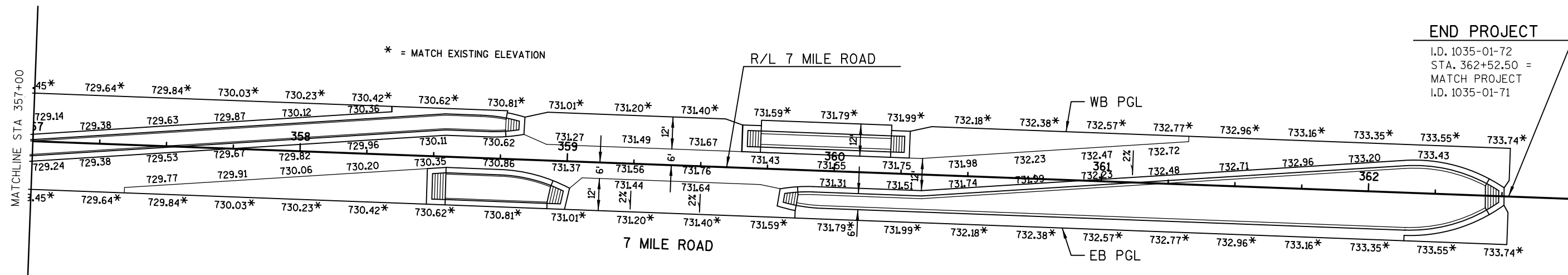
SHEET 1 OF 5







SHEET 4 OF 5

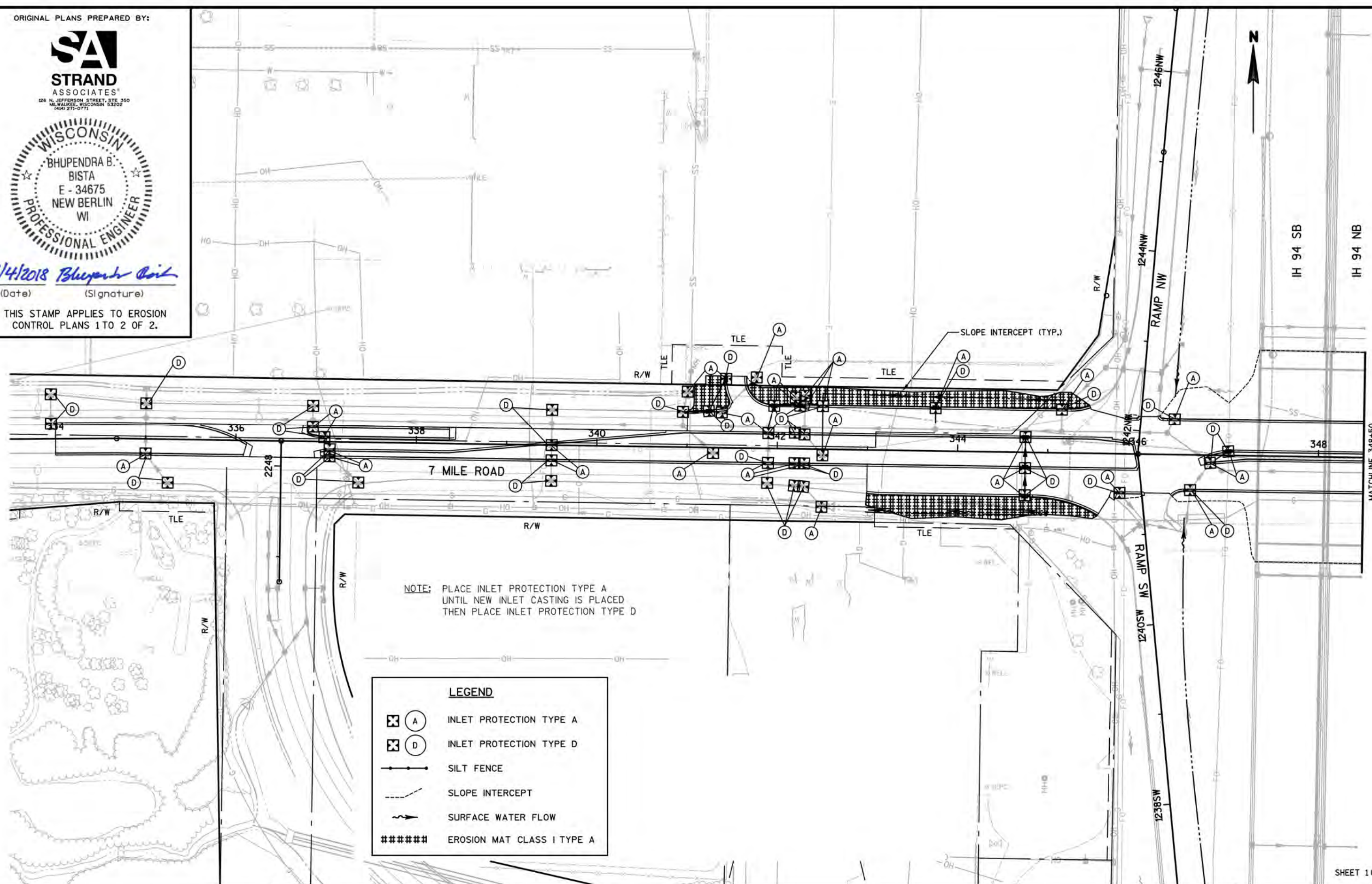


SHEET 5 OF 5

ORIGINAL PLANS PREPARED BY:

126 N. JEFFERSON STREET, STE. 350
MILWAUKEE, WISCONSIN 53202
(414) 271-07716/4/2018 *Bhupendra Bista*

(Date) (Signature)

THIS STAMP APPLIES TO EROSION
CONTROL PLANS 1 TO 2 OF 2.NOTE: PLACE INLET PROTECTION TYPE A
UNTIL NEW INLET CASTING IS PLACED
THEN PLACE INLET PROTECTION TYPE D**LEGEND**

- INLET PROTECTION TYPE A
- INLET PROTECTION TYPE D
- SILTS FENCE
- SLOPE INTERCEPT
- SURFACE WATER FLOW
- EROSION MAT CLASS I TYPE A

SHEET 1 OF 2

PROJECT NO:1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

EROSION CONTROL

SHEET

42

E

FILE NAME : S:\MIL\1000--1099\1084\001\Micros\10350172-7R\Roads\ads\7r022001-ec.dgn

PLOT DATE : 6/11/2018

PLOT BY : _username_

PLOT NAME :

PLOT SCALE : **,,,plotscale,,,**

WISDOT/CADDs SHEET 42

2

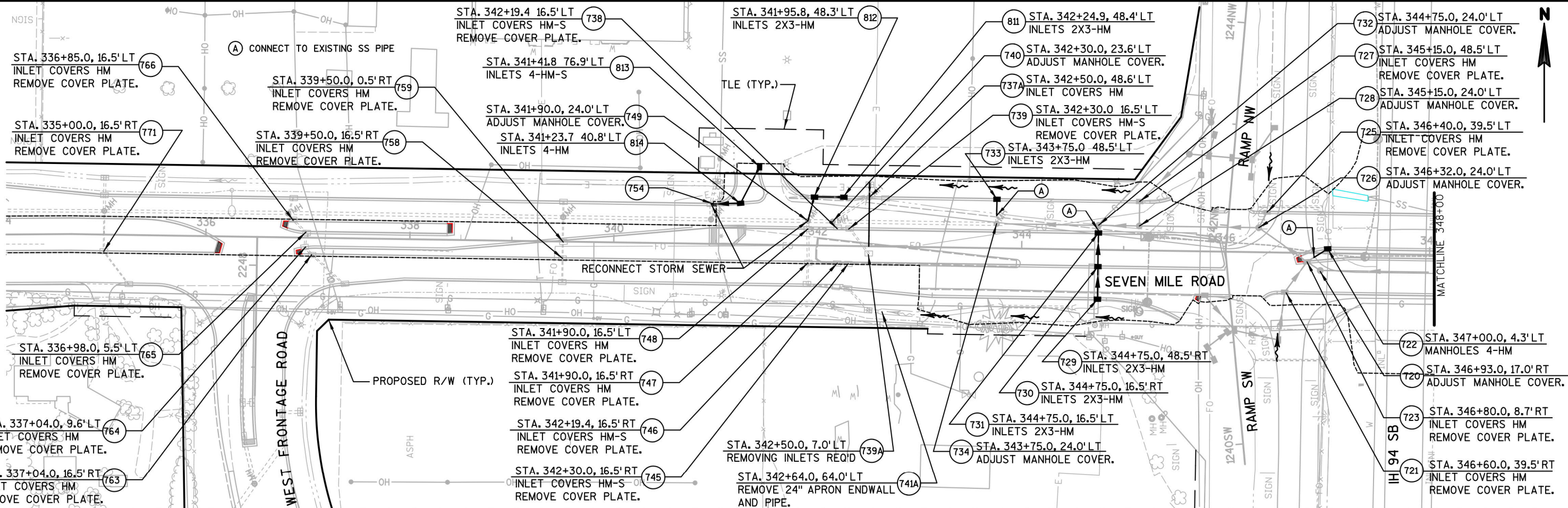


LEGEND

	INLET PROTECTION TYPE A
	INLET PROTECTION TYPE D
	SILT FENCE
	SLOPE INTERCEPT
	SURFACE WATER FLOW
	EROSION MAT CLASS I TYPE A

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2



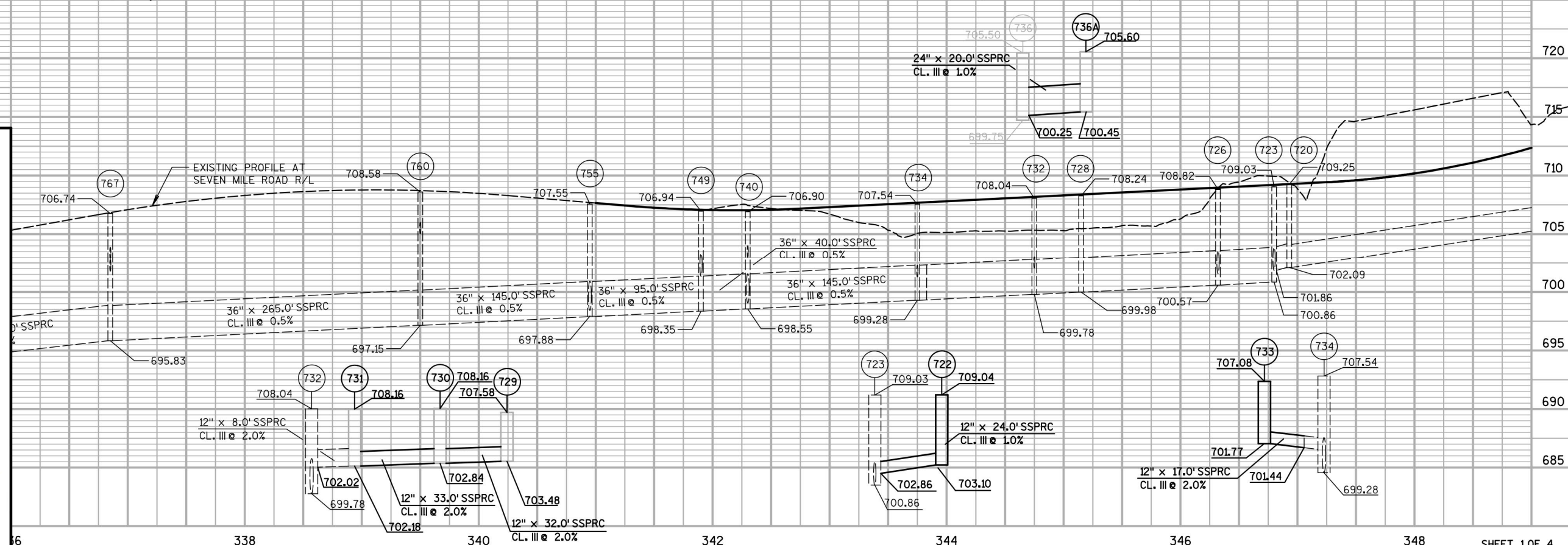
720

715

ORIGINAL PLANS PREPARED BY:

STRAND
ASSOCIATES, INC.126 N. JEFFERSON STREET, STE. 350
MILWAUKEE, WISCONSIN 53202
(414) 271-07716/4/2018 *Bhupendra Bista*

(Date) (Signature)

THIS STAMP APPLIES TO STORM
SEWER PLANS 1 TO 4 OF 4.

PROJECT NO: 1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

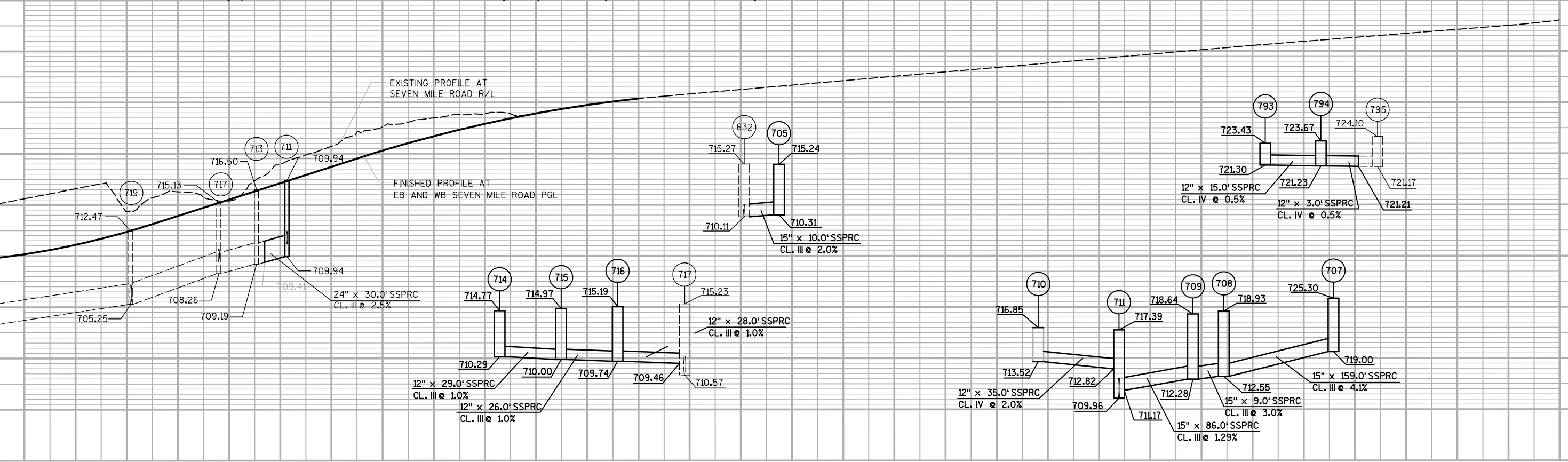
STORM SEWER: SEVEN MILE ROAD

SHEET

44

E

2



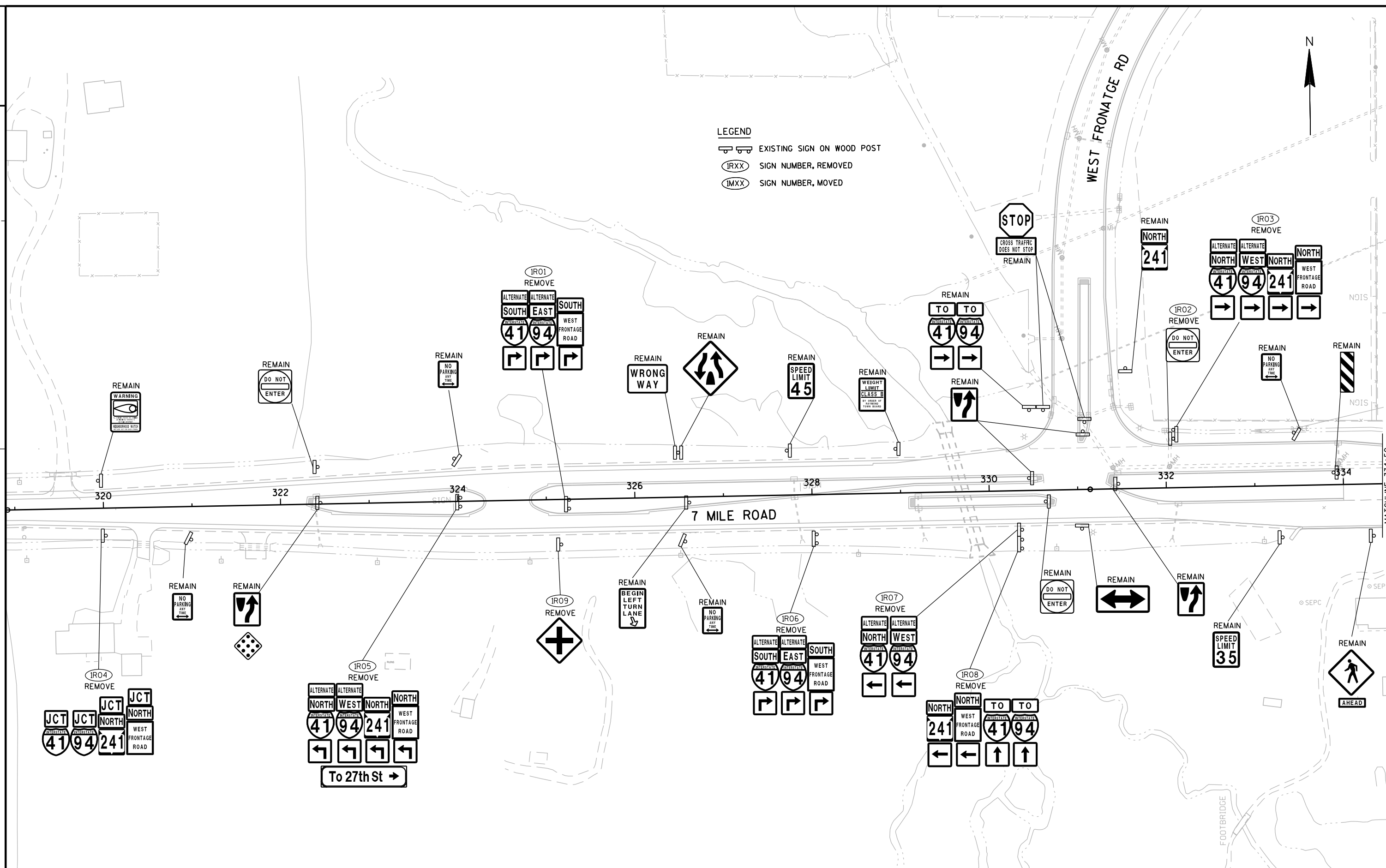
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STRUCT NUMBER	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM OR FLANGE ELEV	T.O.S. ELEV	STRUCT DEPTH (FT)	DISCHARGE PIPE					REMARKS
		FT											SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
707	352+82	75.00	LT	159	708	--	--	4-FOOT	J-S	725.30	724.22	5.31	15	718.91	712.55	159	4.00%	
708	351+25	48.50	LT	9	709	--	--	4-FOOT	HM	718.93	718.10	5.55	15	712.55	712.28	9	3.00%	SEE NOTE 7
709	351+16	48.50	LT	86	711	--	--	4-FOOT	HM	718.64	717.81	5.53	15	712.28	711.17	86	1.29%	SEE NOTE 7
710	350+60	48.50	RT	35	711	2x3-FT	HM	--	--	716.85	716.02	4.02	12	712.00	711.30	35	2.00%	
711	350+57	13.60	RT	22	EXISTING	--	--	4-FOOT	HM	717.39	716.56	6.60	24	709.96	709.21	22	3.41%	SEE NOTE 7
713	350+27	11.40	RT	--	--	--	--	EXISTING	ADJUST	716.50	715.42	6.23	--	709.19	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
715	349+90	41.50	LT	26	716	2x3-FT	HM	--	--	714.97	714.14	4.14	12	710.00	709.74	26	1.00%	
716	349+90	15.20	LT	21	EXISTING	2x3-FT	HM	--	--	715.19	714.36	4.62	12	709.74	709.46	21	1.33%	
717	349+90	12.90	RT	--	--	EXISTING	HM	--	--	715.13	714.30	6.04	--	708.26	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
718	349+04	64.00	RT	--	--	--	--	EXISTING	ADJUST	714.00	712.92	6.73	--	706.19	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
719	349+04	17.00	RT	--	--	--	--	EXISTING	ADJUST	712.47	711.39	6.14	--	705.25	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
720	346+93	17.00	RT	--	--	--	--	EXISTING	ADJUST	709.25	708.17	6.08	--	702.09	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
721	346+60	39.50	RT	--	--	EXISTING	HM	--	--	708.68	707.85	5.80	--	702.05	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
722	347+00	4.30	LT	16	EXISTING	--	--	4-FOOT	HM	709.04	708.21	5.11	12	703.10	702.94	16	1.00%	SEE NOTE 7
723	346+80	8.70	RT	--	--	EXISTING	HM	--	--	709.03	708.20	7.34	--	700.86	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
725	346+40	39.50	LT	--	--	EXISTING	HM	--	--	708.66	707.83	5.92	--	701.91	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
726	346+32	24.00	LT	--	--	--	--	EXISTING	ADJUST	708.82	707.74	7.17	--	700.57	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
727	345+15	48.50	LT	--	--	EXISTING	HM	--	--	707.78	706.95	5.57	--	701.38	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
728	345+15	24.00	LT	--	--	--	--	EXISTING	ADJUST	708.24	707.16	7.18	--	699.98	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
729	344+75	48.50	RT	32	730	2x3-FT	HM	--	--	707.58	706.75	3.27	12	703.48	702.84	32	2.00%	
730	344+75	16.50	RT	33	731	2x3-FT	HM	--	--	708.16	707.33	4.49	12	702.84	702.18	33	2.00%	
731	344+75	16.50	LT	--	EXISTING	2x3-FT	HM	--	--	708.16	707.33	5.15	--	702.18	--	--	--	
732	344+75	24.00	LT	--	--	--	--	EXISTING	ADJUST	708.04	708.04	8.26	--	699.78	--	--	--	EXISTING STRUCTURE; ID: 1035-01-74
733	343+75	48.50	LT	17	EXISTING	2x3-FT	HM	--	--	707.08	706.25	4.48	12	701.77	701.44	17	1.94%	
734	343+75	24.00	LT	--	--	--	--	EXISTING	ADJUST	707.54	706.46	7.18	--	699.28	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
737A	342+50	48.60	LT	--	EXISTING	--	--	EXISTING	HM	706.52		--	--	--	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
738	342+19	16.50	LT	--	--	EXISTING	HM-S	--	--	707.02	706.19	2.83	--	703.36	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
739	342+30	16.50	LT	--	--	EXISTING	HM-S	--	--	707.02	706.19	3.05	--	703.14	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
740	342+30	23.60	LT	--	--	--	--	EXISTING	ADJUST	706.90	705.82	7.27	--	698.55	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
745	342+30	16.50	RT	--	--	EXISTING	HM-S	--	--	707.02	--	3.05	--	703.14	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
746	342+19	16.50	RT	--	--	EXISTING	HM-S	--	--	707.02	--	3.16	--	703.03	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
747	341+90	16.50	RT	--	--	EXISTING	HM	--	--	707.06	--	4.49	--	701.74	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
748	341+90	16.50	LT	--	--	EXISTING	HM	--	--	707.06	706.23	4.83	--	701.40	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
749	341+90	24.00	LT	--	--	--	--	EXISTING	ADJUST	706.94	705.86	7.51	--	698.35	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
758	339+50	16.50	RT	--	--	EXISTING	HM	--	--	708.70	707.87	3.53	--	704.34	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
759	339+50	0.50	RT	--	--	EXISTING	HM	--	--	708.36	707.53	3.51	--	704.02	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
763	337+04	16.50	RT	--	--	EXISTING	HM	--	--	707.13	706.30	3.59	--	702.71	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
764	337+04	9.60	LT	--	--	EXISTING	HM	--	--	706.43	705.60	3.03	--	702.57	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
765	336+98	5.50	LT	--	--	EXISTING	HM	--	--	706.57	705.74	3.49	--	702.25	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
766	336+85	16.50	LT	--	--	EXISTING	HM	--	--	706.82	705.99	4.08	--	701.91	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
771	335+00	16.50	RT	--	--	EXISTING	HM	--	--	703.53	702.70	4.15	--	698.55	--	--	--	EXISTING STRUCTURE; ID: 1035-01-75
793	352+92	9.50	LT	15	794	2x3-FT	HM	--	--	723.43	722.60	1.30	12	721.30	721.23	15	0.50%	

STRUCT NUMBER	STATION	OFFSET		C-C (FT)	TO STRUCT	INLET TYPE	COVER	MH TYPE	COVER	RIM OR FLANGE ELEV	T.O.S. ELEV	STRUCT DEPTH (FT)	DISCHARGE PIPE					REMARKS
		FT											SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	LENGTH (FT)	SLOPE (%)	
794	352+92	5.50	RT	11	EXISTING	2x3-FT	HM	--	--	723.67	722.84	1.61	12	721.23	721.17	11	0.50%	
795	352+92	16.50	RT	--	--	EXISTING	HM	--	--	724.10	723.27	2.10	--	721.17	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
797	355+00	16.50	LT	--	--	EXISTING	HM	--	--	727.73	726.90	2.90	--	724.00	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
798	355+26	16.00	RT	--	--	EXISTING	HM	--	--	728.02	727.19	3.19	--	724.00	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
799	355+26	9.50	RT	--	--	EXISTING	HM	--	--	727.35	726.52	2.68	--	723.84	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
800	355+00	7.50	LT	--	--	EXISTING	HM	--	--	727.32	726.49	3.27	--	723.22	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
801	357+00	1.10	LT	--	--	EXISTING	HM	--	--	729.14	728.31	2.70	--	725.61	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
802	357+00	5.90	RT	--	--	EXISTING	HM	--	--	729.24	728.41	2.88	--	725.53	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
804	358+58	5.50	RT	--	--	EXISTING	HM	--	--	730.25	729.42	2.51	--	726.91	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
805	358+58	16.50	RT	--	--	EXISTING	HM	--	--	730.68	729.85	3.18	--	726.67	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
807	359+75	15.00	LT	--	--	EXISTING	HM	--	--	731.60	730.77	2.89	--	727.88	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
808	359+75	7.00	LT	--	--	EXISTING	HM	--	--	731.07	730.24	2.52	--	727.72	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
809	359+90	7.05	RT	--	--	EXISTING	HM	--	--	730.95	730.12	2.82	--	727.30	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
810	359+90	14.72	RT	--	--	EXISTING	HM	--	--	731.71	730.88	3.74	--	727.14	--	--	--	EXISTING STRUCTURE; ID: 1035-01-71
811	342+25	48.40	LT	29	812	2x3-FT	HM	--	--	706.44	705.61	3.50	12	702.11	701.82	29	1.00%	
812	341+96	48.30	LT	25	749	2x3-FT	HM	--	--	706.53	705.70	4.88	24	700.82	700.57	25	1.00%	
813	341+42	76.80	LT	41	814	4-FOOT	HM-S	--	--	707.39	706.56	4.00	15	702.56	702.15	41	1.00%	SEE NOTE 7
814	341+24	40.80	LT	29	754	4-FOOT	HM	--	--	706.98	706.15	4.00	15	702.15	701.86	29	1.00%	SEE NOTE 7
705	1242+65 NE	30.90	RT	9	705A	--	--	4-FOOT	HM	715.27	714.44	4.33	15	710.11	710.02	9	1.00%	SEE NOTE 7
714	1242+48 NE	9.70	RT	29	715	2x3-FT	HM-S	--	--	714.77	713.94	3.65	12	710.29	710.00	29	1.00%	
629	1240+79 SE	19.30	RT	--	--	EXISTING	BW	--	--	714.19	713.03	2.82	--	710.21	--	--	--	
630	1241+07 SE	1.20	RT	--	--	EXISTING	BW	--	--	714.64	713.48	2.69	--	710.79	--	--	--	
631	1240+79 SE	18.50	LT	--	--	EXISTING	BW	--	--	714.88	714.88	6.43	--	708.45	--	--	--	

NOTES

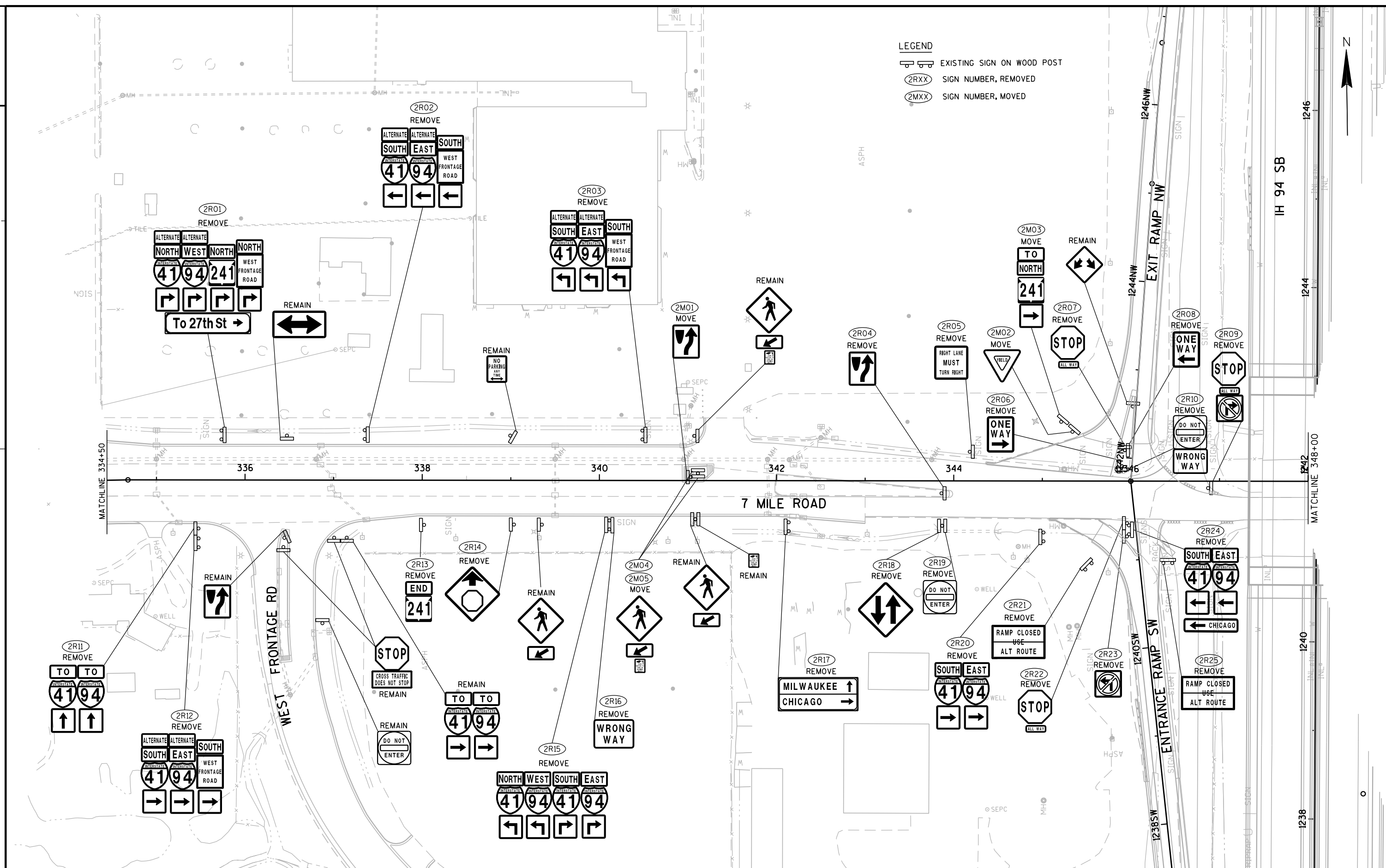
- 1)JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE
- 2)STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
- 3)PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES OR END OF PIPE (NOT THE APPRON END OF ENDWALLS)
- 4)RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE COVER FOR MANHOLES.
- 5)STRUCTURE DEPTH = RIM ELEV - INVERT - CASTING HEIGHT - ADJUSTMENT
CASTING HEIGHT = 0.75 FT FOR J COVERS; 0.5 FT FOR HM AND S COVERS; 0.83 FT FOR TYPE BW; 0.67 FOR TYPE B; 0 FT FOR TYPE MS COVERS
ADJUSTMENT (RINGS) = 0.33 FT FOR B, BW, J, HM AND S COVERS; 0 FT FOR TYPE MS COVERS
- 6)FLAT TOP SLAB WITH CENTERED OPENING REQUIRED ON ALL MANHOLES
- 7)FLAT TOP SLAB WITH CENTERED 24-INCH X 36-INCH RECTANGULAR OPENING REQUIRED ON ALL MANHOLES WITH TYPE HM OR TYPE HM-S INLET COVERS.
- 8)REMOVAL OF BULKHEAD IS INCIDENTAL TO PIPE ITEMS
- 9)LOCATIONS AND DEPTH OF EXISTING STRUCTURES AND PIPES SHALL BE VERIFIED IN THE FIELD



PROJECT NO: 1035-01-72	HWY: IH 94/7 MILE ROAD	COUNTY: RACINE	EXISTING SIGNING	SCALE, FEET	SHEET 48	E
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LEGEND

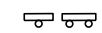
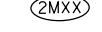
- EXISTING SIGN ON WOOD POST
- (2RXX) SIGN NUMBER, REMOVED
- (2MXX) SIGN NUMBER, MOVED

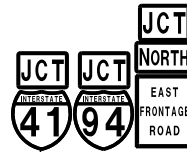






LEGEND

-  EXISTING SIGN ON WOOD POST
 SIGN NUMBER, REMOVED
 SIGN NUMBER, MOVED

4R01
REMOVEREMAIN
STOP4M01
MOVEREMAIN
NO PARKING
ANY TIMEREMAIN
SPEED LIMIT
354R02
REMOVEREMAIN
NO PARKING
ANY TIME

MATCHLINE 358+00

358 360 362 364 366 368 7 MILE ROAD 370 372

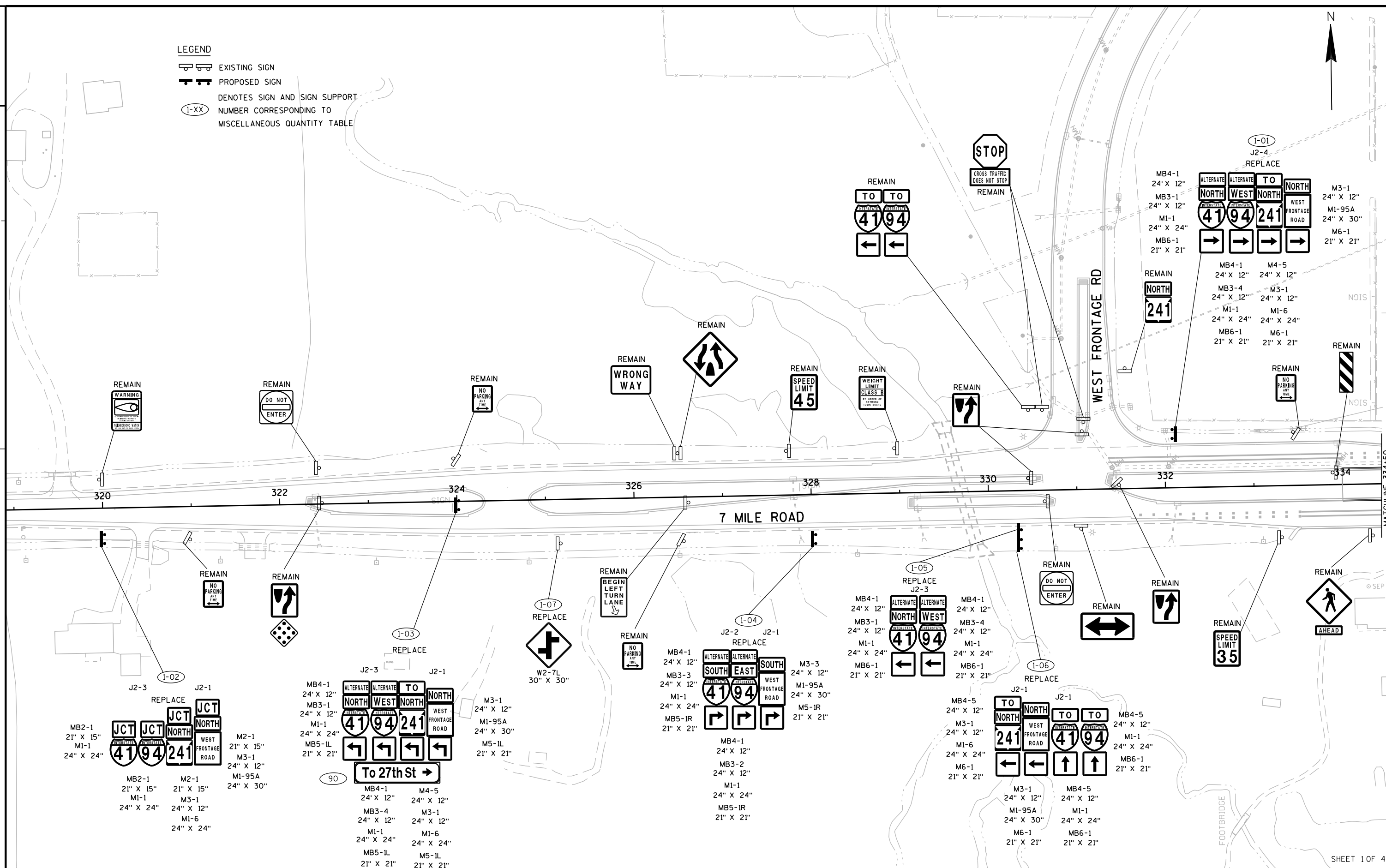
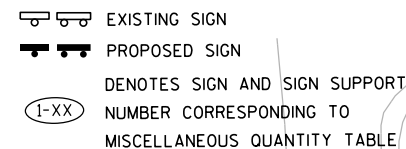
REMAIN



HAGEMANN RD

REMAIN
STOPREMAIN
NO PARKING
ANY TIME
WEIGHT
LIMIT
CLASS
BREMAIN
SPEED LIMIT
45REMAIN
WRONG WAYREMAIN
NO PARKING
ANY TIME
WEIGHT
LIMIT
CLASS
BREMAIN
DO NOT
ENTERREMAIN



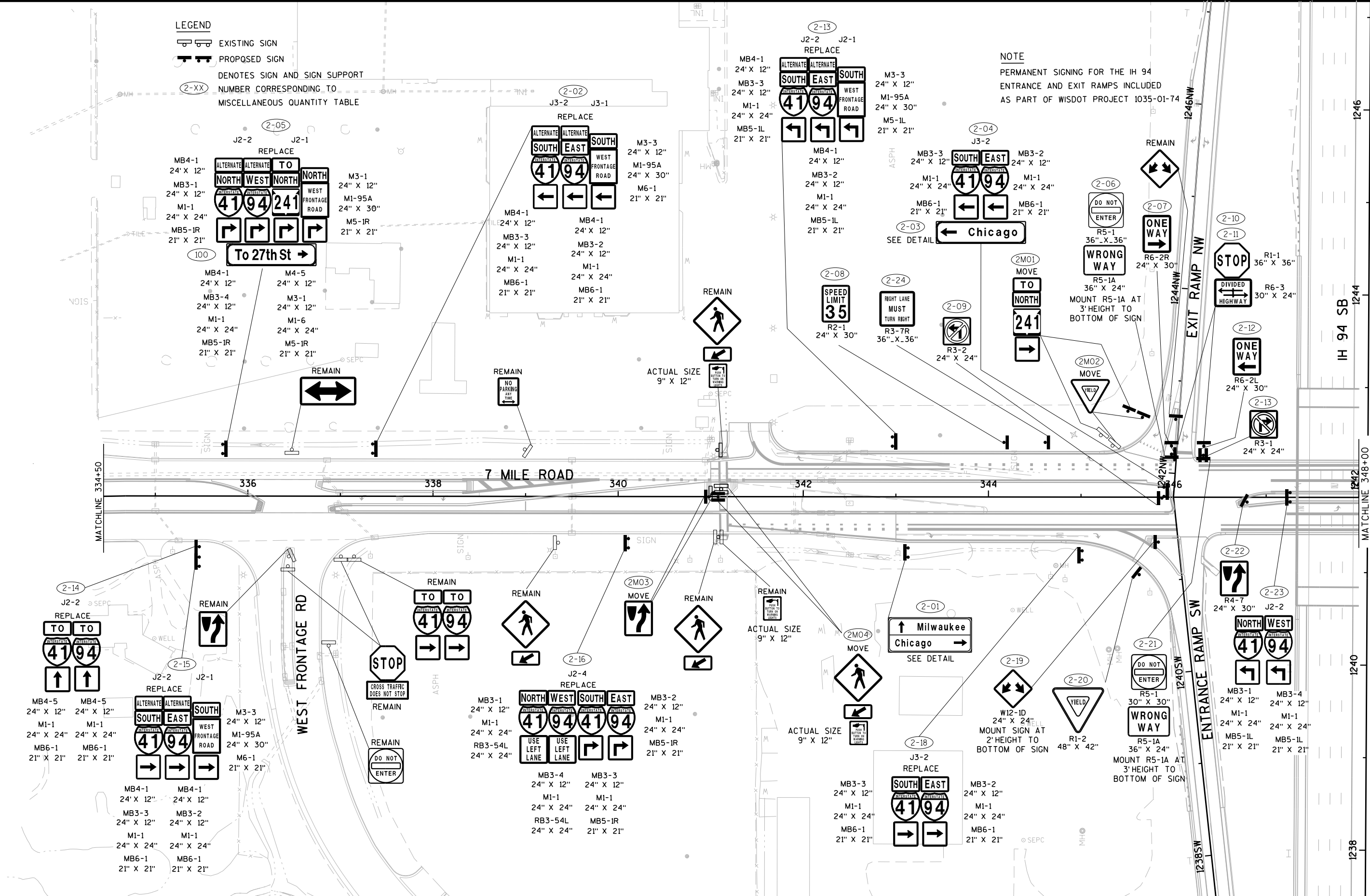


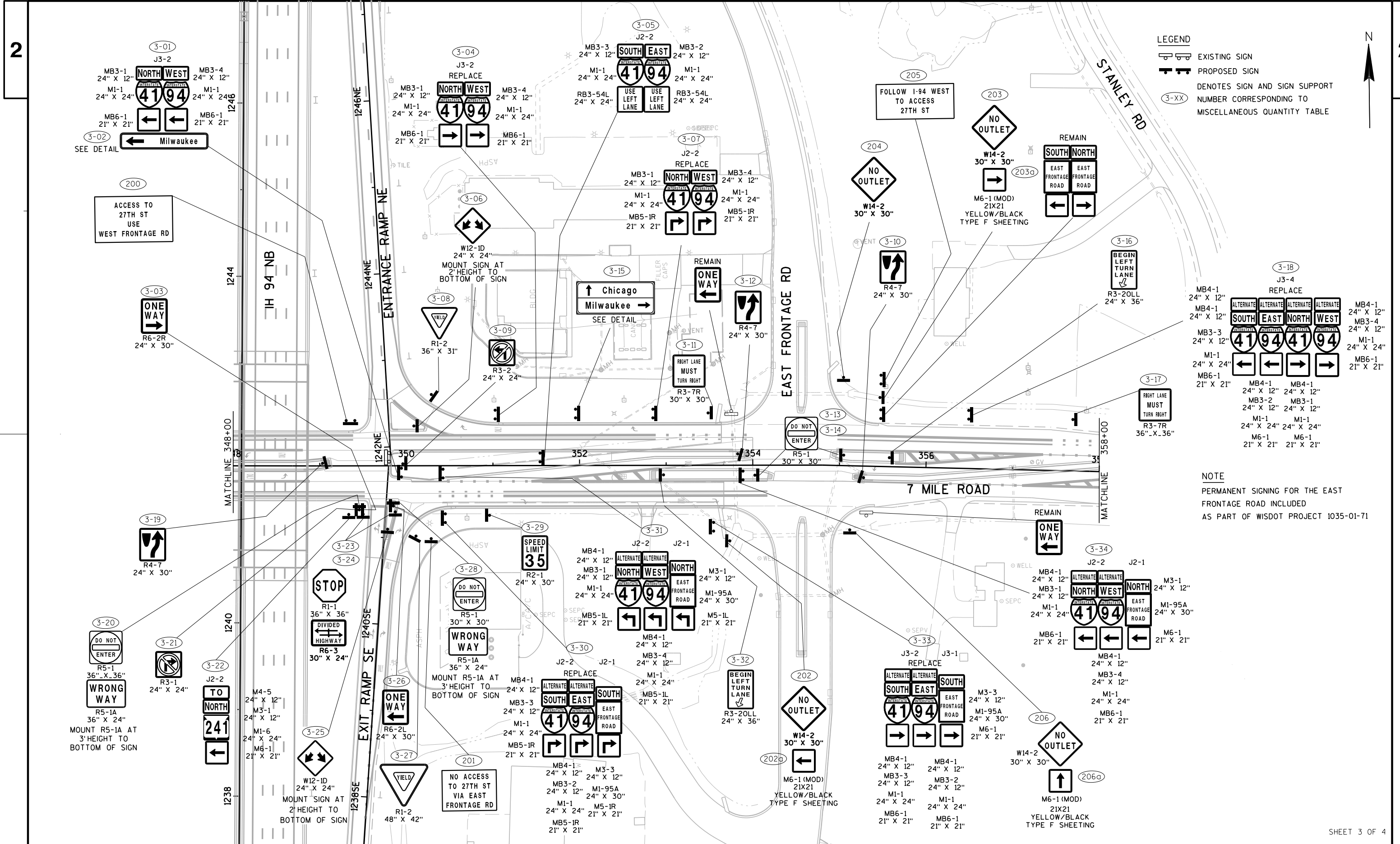
LEGEND

- EXISTING SIGN
- PROPOSED SIGN
- DENOTES SIGN AND SIGN SUPPORT
- NUMBER CORRESPONDING TO MISCELLANEOUS QUANTITY TABLE

NOTE

PERMANENT SIGNING FOR THE IH 94
ENTRANCE AND EXIT RAMP INCLUDED
AS PART OF WISDOT PROJECT 1035-01-74





LEGEND

- EXISTING SIGN
- PROPOSED SIGN
- DENOTES SIGN AND SIGN SUPPORT
- NUMBER CORRESPONDING TO MISCELLANEOUS QUANTITY TABLE

NOTE
PERMANENT SIGNING FOR THE EAST FRONTAGE ROAD INCLUDED AS PART OF WISDOT PROJECT 1035-01-71

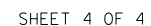
LEGEND

 EXISTING SIGN

 PROPOSED SIGN

 DENOTES SIGN AND SIGN SUPPORT

 NUMBER CORRESPONDING TO
MISCELLANEOUS QUANTITY TABLE



FREEWAY LIGHTING AND LOCAL STREET LIGHTING SHALL BE INSTALLED IN COMPLIANCE WITH WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SECTIONS 652 TO 657 AND 659 EXCEPT:

- 1. DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THESE DRAWINGS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.
- 2. LOCATIONS OF THE PVC CONDUITS ARE IDENTIFIED IN THE PLANS WHERE THEY ARE REQUIRED. HOWEVER, UNDER THE APPROVAL OF THE ENGINEER. 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 TO ILLUSTRATE AS BUILT CONDITIONS.
- 3. THE TRENCH SHALL NOT BE BACKFILLED PRIOR TO INSPECTION OF THE CONDUIT.
- 4. ALL OPEN AND UNTERMINATED CONDUITS SHALL BE CAPPED OR PLUGGED WITH ENGINEER APPROVED FITTINGS IMMEDIATELY AFTER INSTALLATION.
- 5. 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.
- 6. ALL CUT ENDS SHALL BE TRIMMED INSIDE AND OUTSIDE TO REMOVE ALL ROUGH EDGES ON ALL CONDUITS.
- 7. 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.
- 8. CONDUIT RUNS SHALL BE THE SAME SIZE PIPE FROM ONE END TO THE OTHER (FROM PULL BOX-TO-PULL BOX, JUNCTION BOX OR BASE-TO-BASE, ETC.) UNLESS OTHERWISE NOTED ON PLANS.
- 9. PULL ROPE (3/8-INCH NYLON) SHALL BE INSTALLED IN ALL NEW CONDUITS.
- 10. CONTRACTOR SHALL SUPPLY AS-BUILT DRAWINGS (.PDF FORMAT) FOR ALL THE WORK BEING DONE.
- 11. CONDUIT LATERALS SHALL BE TRENCHED UNDER PAVEMENT BEFORE PAVEMENT CONSTRUCTION. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ROADWAY CONSTRUCTION FOR CONDUIT LATERALS INSTALLATION.
- 12. 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.
- 13. 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.
- 14. HAND DIGGING MAY BE REQUIRED FOR THE 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.
- 15. UNDERGROUND WIRE & CONDUIT SHOWN ON REMOVAL PLANS FOR REMOVAL SHALL BE ABANDONED IN PLACE UNLESS DIRECTED BY THE ENGINEER. CONTRACTOR MAY CHOOSE TO REMOVE CONDUCTOR AT THEIR OWN EXPENSE.
- 16. EXISTING CONDUIT AND C/D 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.
- 17. ALL UNDERGROUND WIRING AND CONDUIT FOR POLES BEING REMOVED IS ABANDONED IN PLACE UNLESS NOTED OTHERWISE. CONTRACTOR MAY SALVAGE ABANDONED WIRING AT HIS OWN EXPENSE.
- 18. PROVIDE REMOVABLE SEALANT SUCH AS DUCT SEAL IN THE CONDUITS AT THE CABINET, PULL BOXES, AND JUNCTION BOXES TO AVOID CONDENSATION CAUSED BY AIRFLOW THROUGH THE CONDUITS DUE TO TEMPERATURE DIFFERENCE. THIS WORK SHALL BE INCIDENTAL TO THE ASSOCIATED CONDUIT PAY ITEM.
- 19. PROVIDE MINIMUM CABLE SLACK AS MENTIONED BELOW:
 - PULL BOXES: 10-FT
 - POLE BASES: 5-FT ONE WAY IN OR OUT
 - EMBEDDED JUNCTION BOXES: 3-FT
 - DISTRIBUTION CENTER/LOAD CENTER: 10-FT

STREET LIGHTING PLANS PREPARED BY:

HNTB HNTB CORPORATION
111 N. CANAL STREET, SUITE 1250
CHICAGO, IL 60606



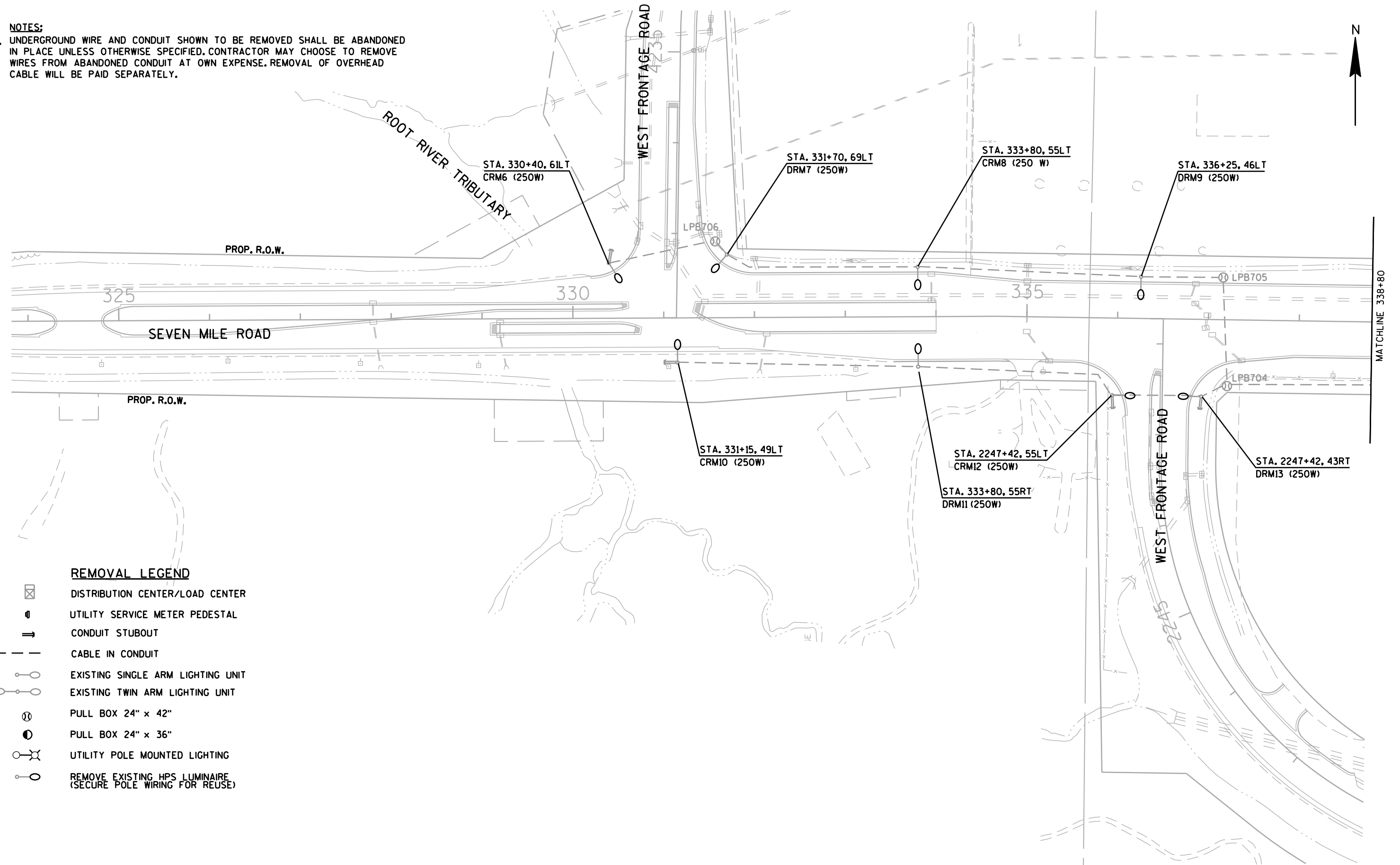
06/11/2018
(DATE)

Matthew C. Durning
(SIGNATURE)

SHEET 1 TO 10

NOTES:

1. UNDERGROUND WIRE AND CONDUIT SHOWN TO BE REMOVED SHALL BE ABANDONED IN PLACE UNLESS OTHERWISE SPECIFIED. CONTRACTOR MAY CHOOSE TO REMOVE WIRES FROM ABANDONED CONDUIT AT OWN EXPENSE. REMOVAL OF OVERHEAD CABLE WILL BE PAID SEPARATELY.



SHEET 2 OF 10

PROJECT NO:1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

LIGHTING PLAN - REMOVAL

SHEET

57

E

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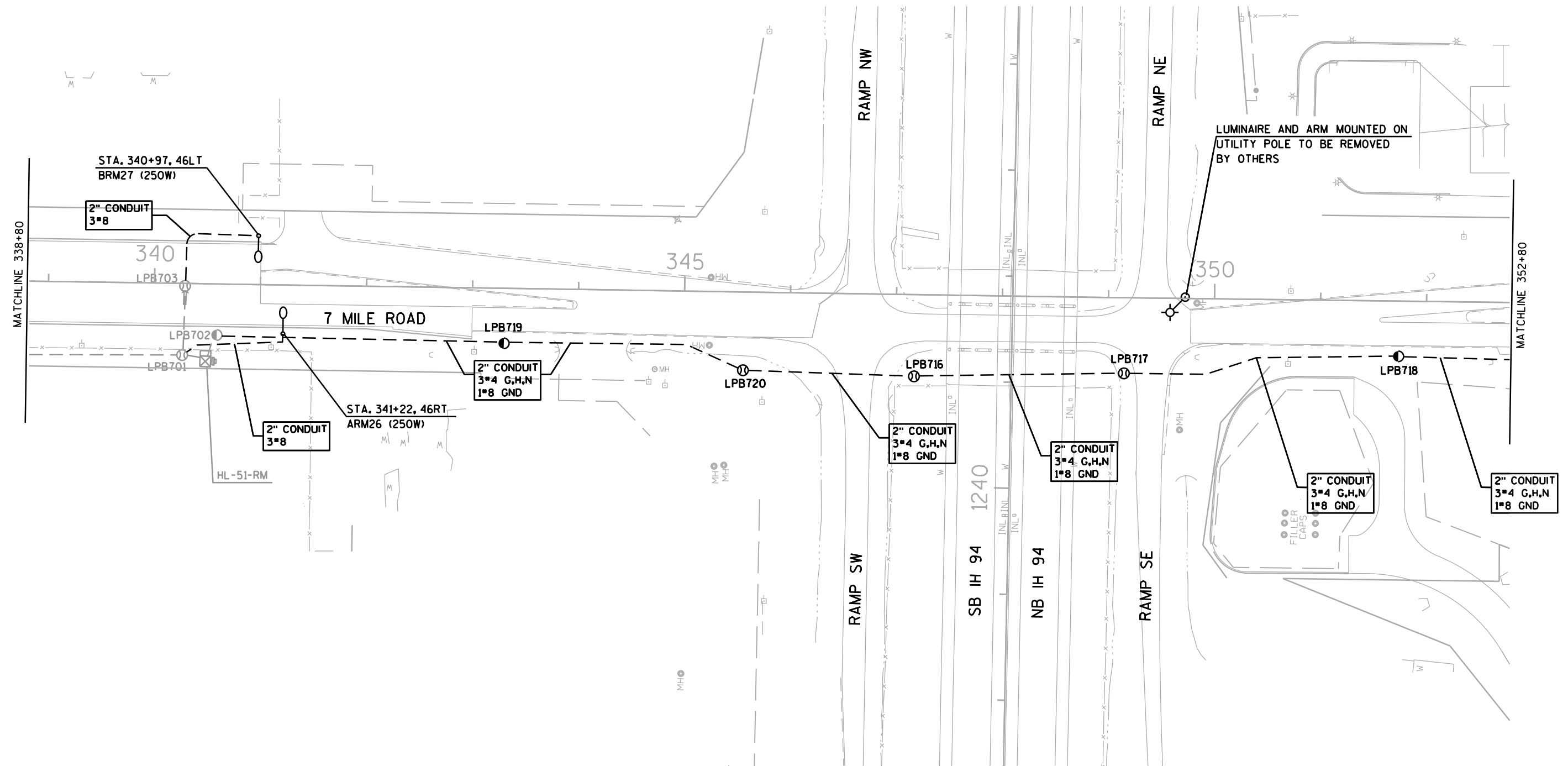
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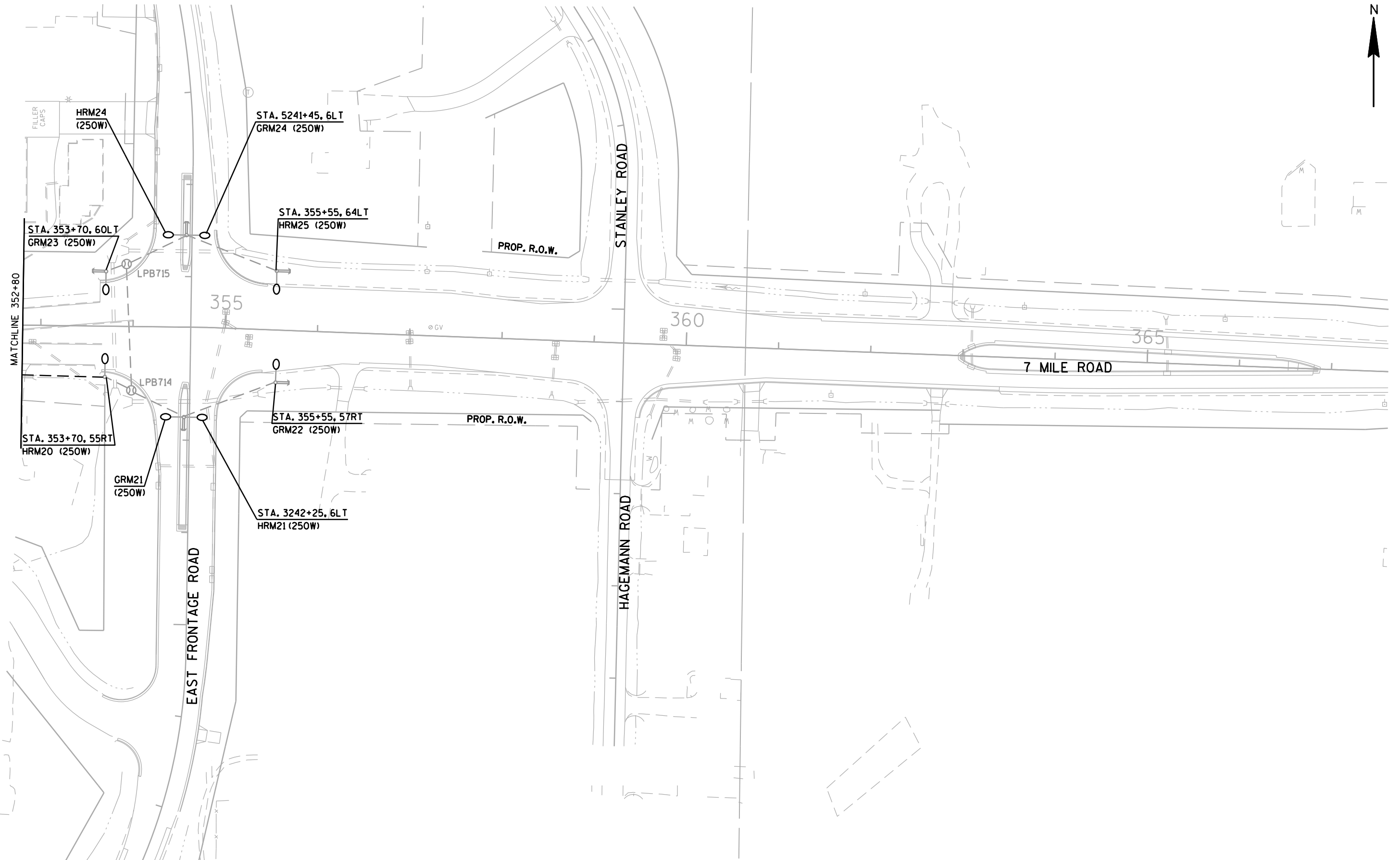
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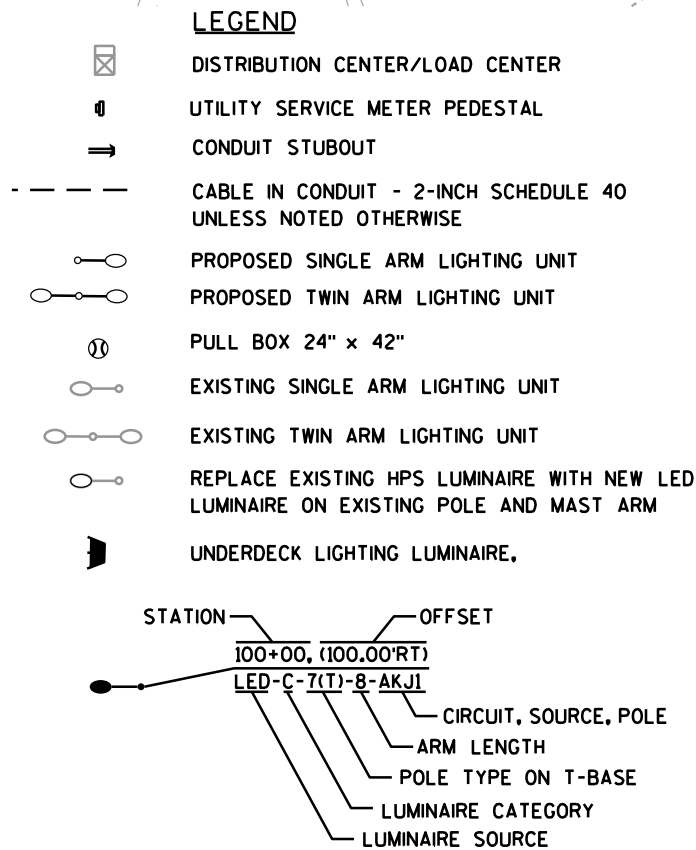
WISDOT/CADDs SHEET 42

**NOTE:**

1. EXISTING LIGHT POLE NOT IN AS-BUILT RECORDS; STATION AND WATTAGE MAY NOT BE ACCURATE.



CAUTION
THE CONTRACTOR IS RESPONSIBLE FOR
NOT BACK-FEEDING CIRCUITS PRIOR TO
DISCONNECTING ANY BRANCH CIRCUITS
FROM OLD SOURCE.

**NOTES:**

1. LIGHTING WORK SHOWN IN BOLD SHALL BE PART OF CURRENT CONTRACT ID 1035-01-72.
2. CONTRACTOR IS TO REPLACE PLAQUE SEQUENCE IDENTIFICATION FOR EXISTING POLES.

PROJECT NO:1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

LIGHTING PLAN - FINAL

SHEET

60

E

FILE NAME : \\chiw00\Projects\50858\1035-01-71_75_I-94_7_Mile_Rd\CADD\cads\7r\7r023801_1p.dgn

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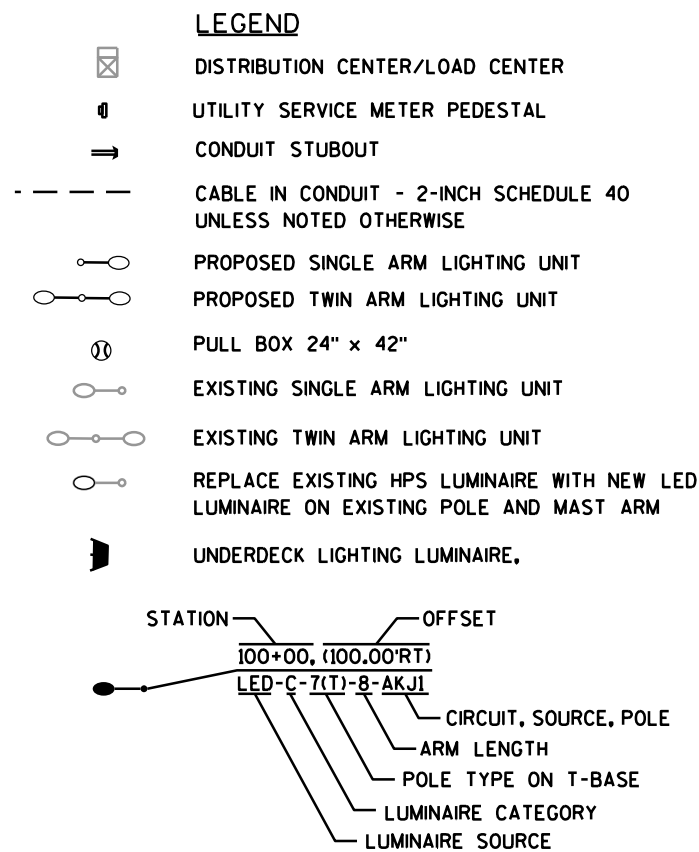
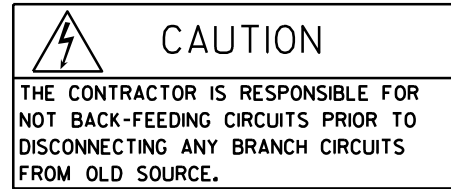
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PLOT NAME : \$FILE\$

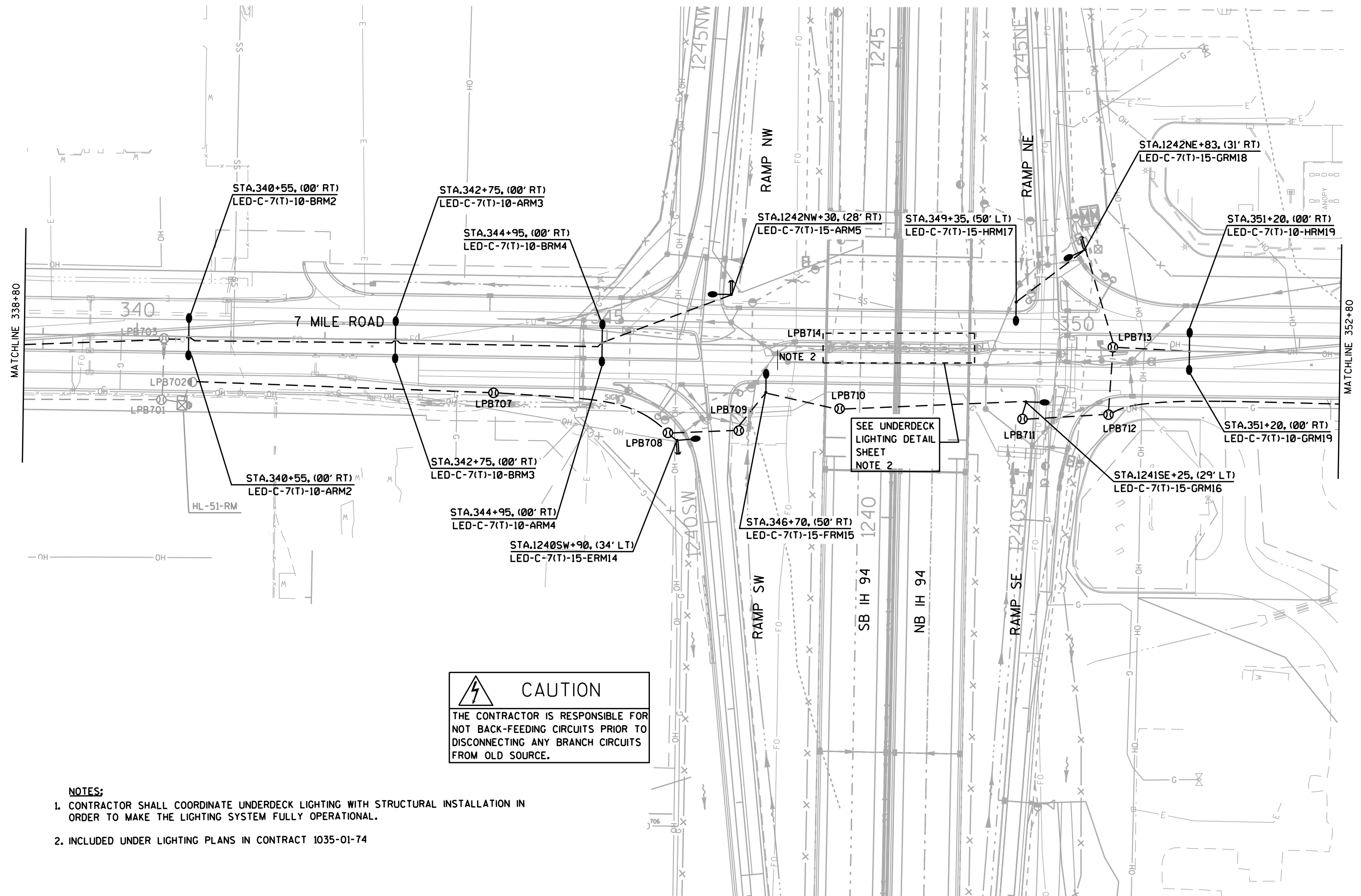
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WISDOT/CADDs SHEET 42

SHEET 5 OF 10

**NOTES:**

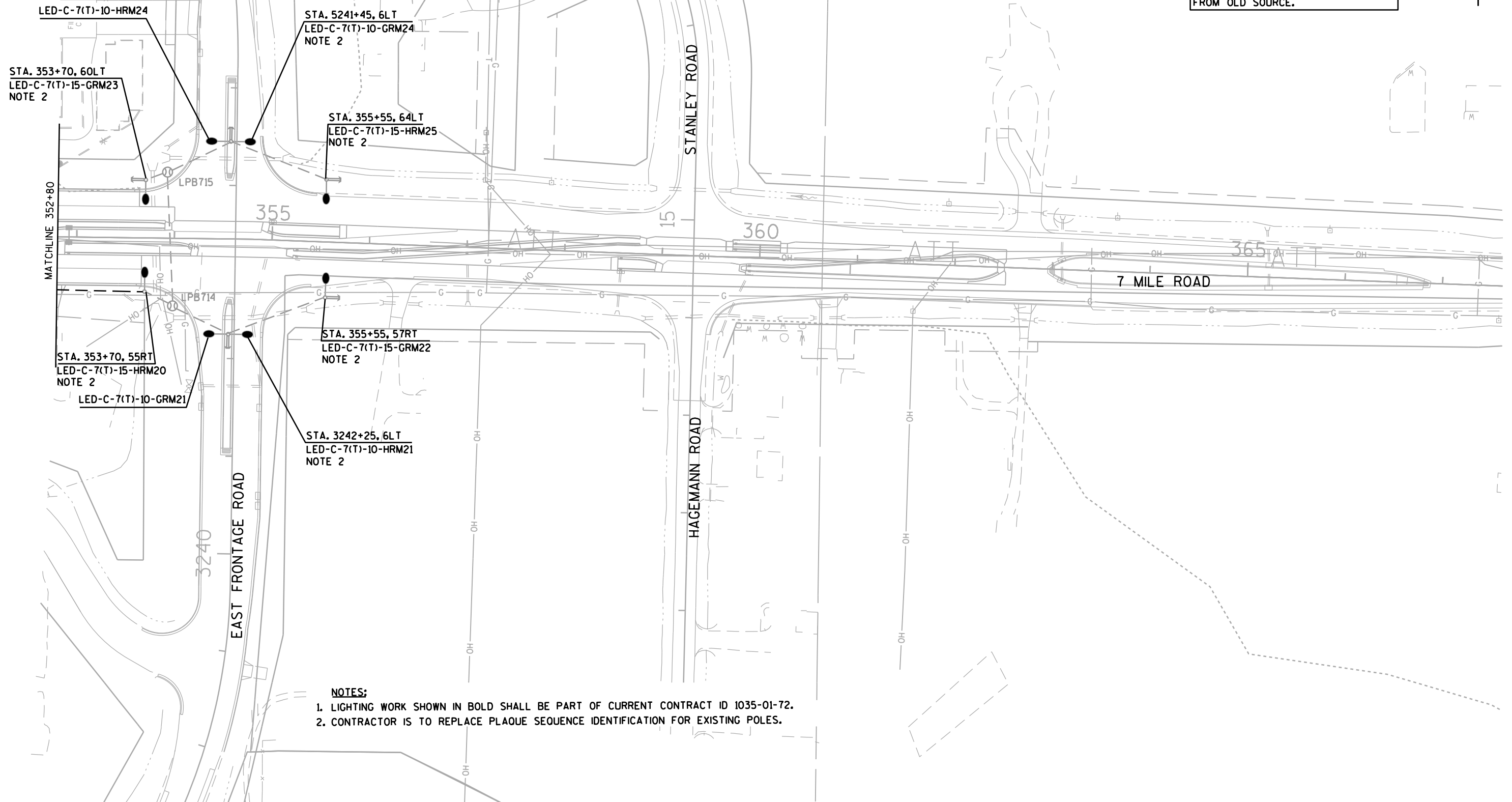
1. LIGHTING WORK SHOWN IN BOLD SHALL BE PART OF CURRENT CONTRACT ID 1035-01-72.



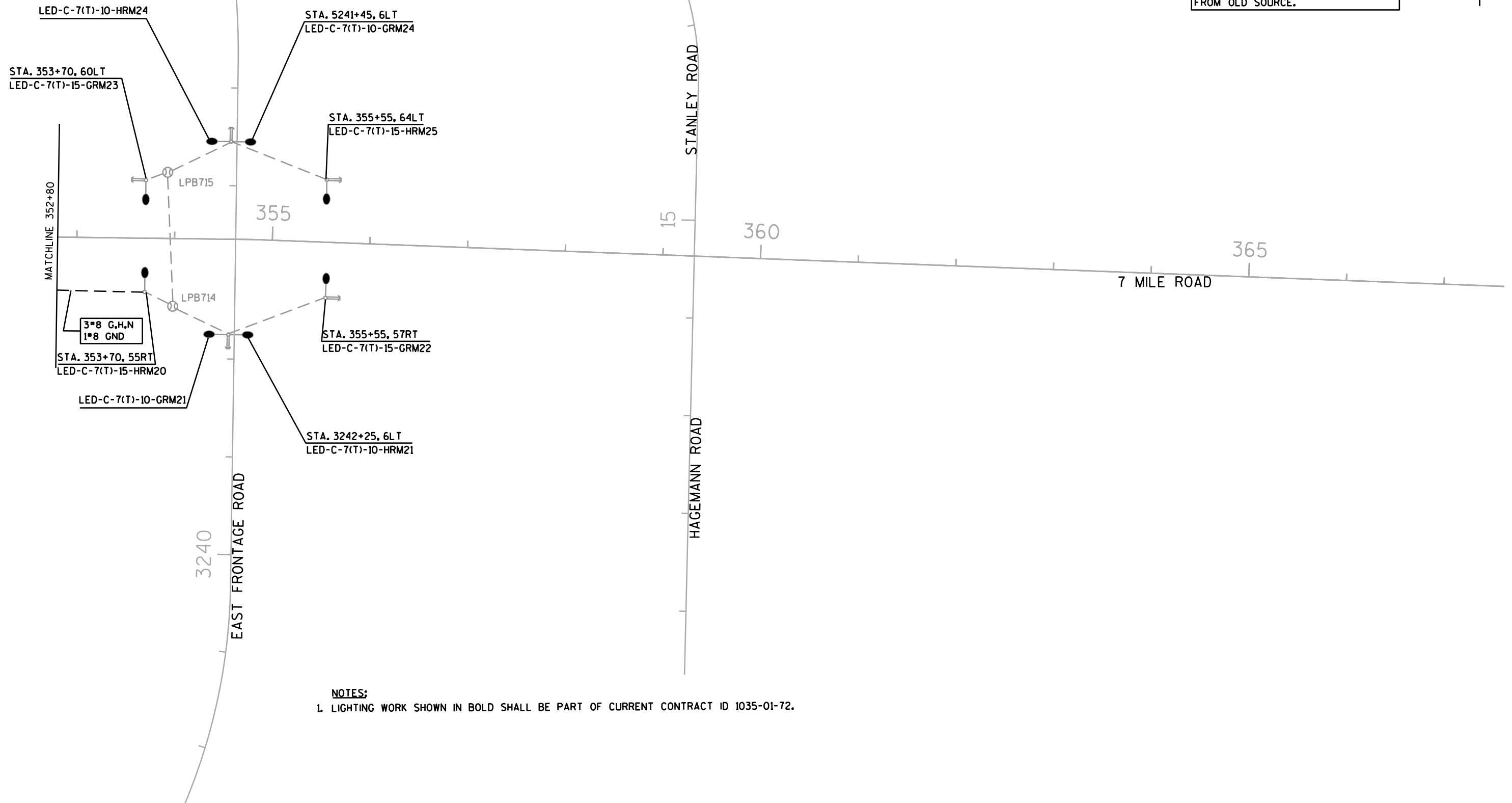
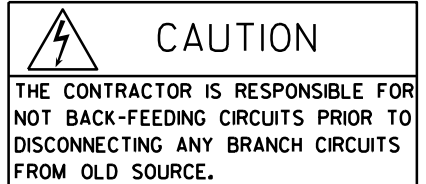


	CAUTION
THE CONTRACTOR IS RESPONSIBLE FOR NOT BACK-FEEDING CIRCUITS PRIOR TO DISCONNECTING ANY BRANCH CIRCUITS FROM OLD SOURCE.	

 **CAUTION**
THE CONTRACTOR IS RESPONSIBLE FOR
NOT BACK-FEEDING CIRCUITS PRIOR TO
DISCONNECTING ANY BRANCH CIRCUITS
FROM OLD SOURCE.

**NOTES:**

1. LIGHTING WORK SHOWN IN BOLD SHALL BE PART OF CURRENT CONTRACT ID 1035-01-72.
2. CONTRACTOR IS TO REPLACE PLAQUE SEQUENCE IDENTIFICATION FOR EXISTING POLES.



ORIGINAL PLANS PREPARED BY:

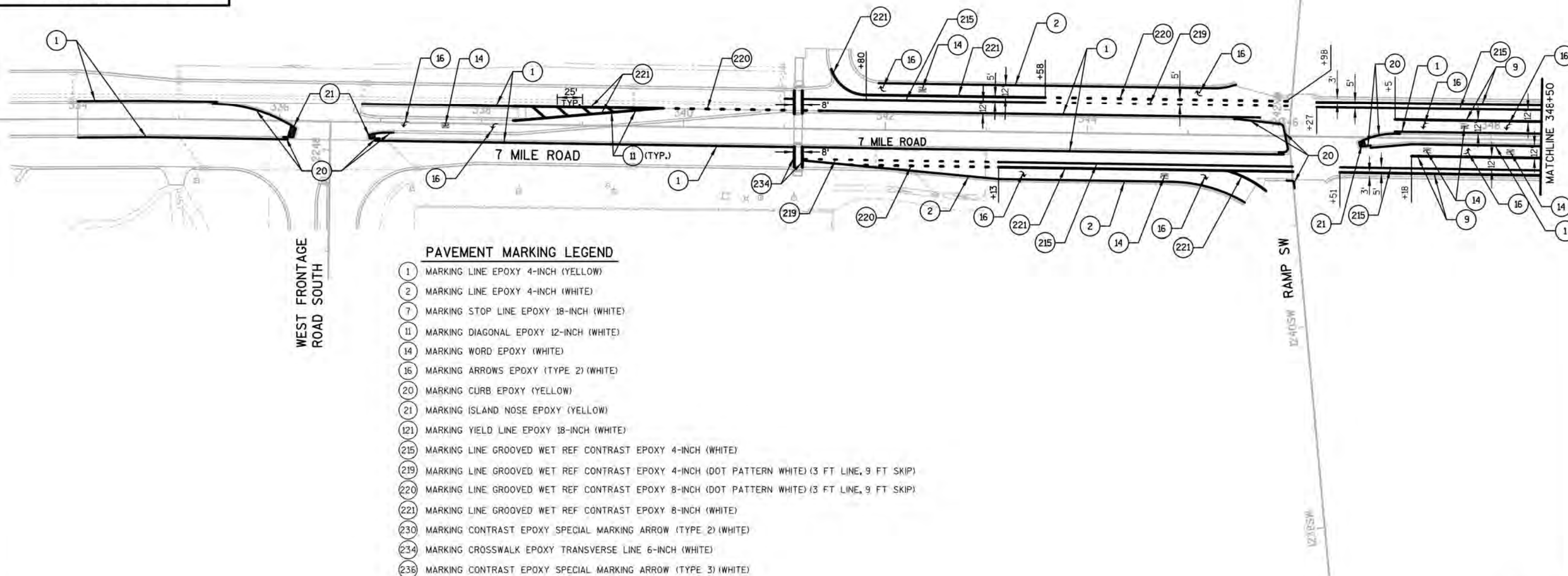


126 N. JEFFERSON STREET, STE. 340
MILWAUKEE, WISCONSIN 53202
(414) 271-0771

6/4/2018 *Bhupendra Bista*

(Date) (Signature)

THIS STAMP APPLIES TO PAVEMENT
MARKING PLANS 1 TO 2 OF 2.



SHEET 1 OF 2

PROJECT NO: 1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

PAVEMENT MARKING: 7 MILE ROAD

SHEET

66

E

FILE NAME : S:\MIL\1000--1099\1084\001\Micras\10350172-7R\Roads\ads\7r024501.pm.dgn

PLOT DATE : 6/11/2018

PLOT BY : Jusername

PLOT NAME :

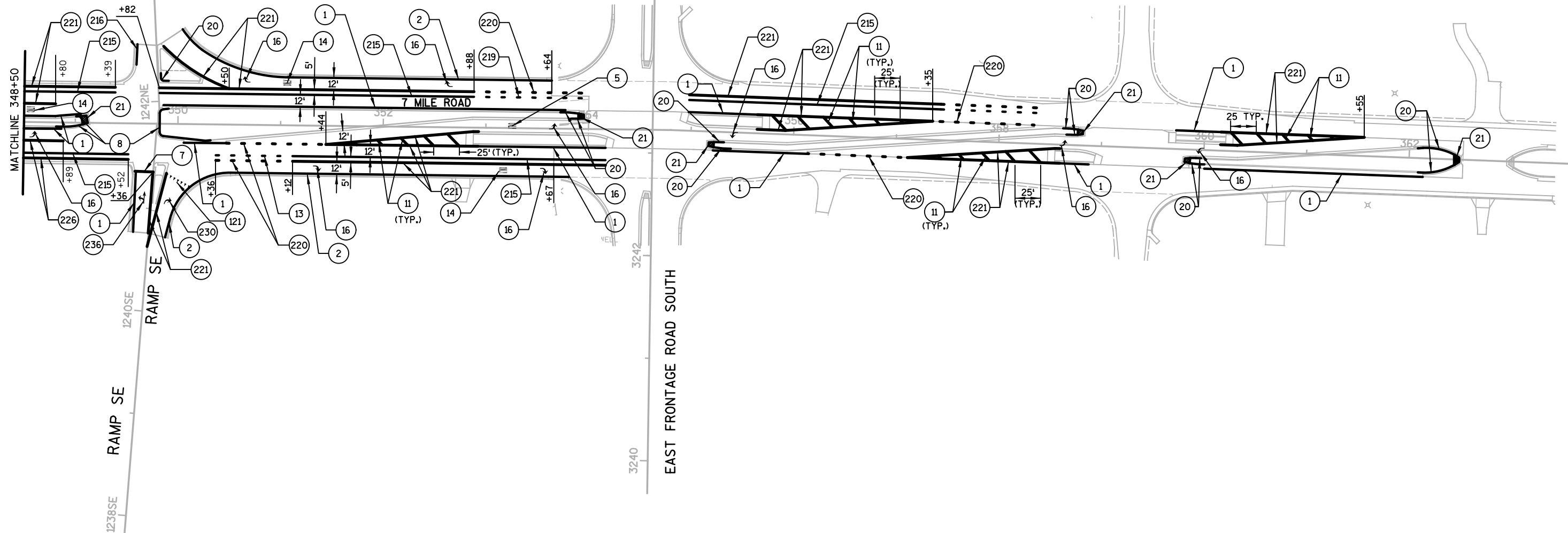
PLOT SCALE : ***,,plotscale****

WISDOT/CADDs SHEET 42



PAVEMENT MARKING LEGEND

- (1) MARKING LINE EPOXY 4-INCH (YELLOW)
- (2) MARKING LINE EPOXY 4-INCH (WHITE)
- (7) MARKING STOP LINE EPOXY 18-INCH (WHITE)
- (11) MARKING DIAGONAL EPOXY 12-INCH (WHITE)
- (14) MARKING WORD EPOXY (WHITE)
- (16) MARKING ARROWS EPOXY (TYPE 2) (WHITE)
- (20) MARKING CURB EPOXY (YELLOW)
- (21) MARKING ISLAND NOSE EPOXY (YELLOW)
- (121) MARKING YIELD LINE EPOXY 18-INCH (WHITE)
- (215) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
- (219) MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (DOT PATTERN WHITE) (3 FT LINE, 9 FT SKIP)
- (220) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE, 9 FT SKIP)
- (221) MARKING LINE GROOVED WET REF CONTRAST EPOXY 8-INCH (WHITE)
- (230) MARKING CONTRAST EPOXY SPECIAL MARKING ARROW (TYPE 2) (WHITE)
- (234) MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH (WHITE)
- (236) MARKING CONTRAST EPOXY SPECIAL MARKING ARROW (TYPE 3) (WHITE)



SHEET 2 OF 2

PROJECT NO:1035-01-72

HWY:IH 94/7 MILE ROAD

COUNTY:RACINE

PAVEMENT MARKING: 7 MILE ROAD

SHEET

67

E

FILE NAME : S:\MIL\1000--1099\1084\001\Micros\10350172-7R\Roads\cds\7r024502_pm.dgn

PLOT DATE : 6/11/2018

PLOT BY : _username_

PLOT NAME :

PLOT SCALE : \$\$.....plotscale.....\$\$

WISDOT/CADDS SHEET 42

APPLICABLE TO ALL TRAFFIC CONTROL SHEETS IN THIS PLAN SET.

MARKING LEGEND

	1	MARKING LINE EPOXY 4-INCH (YELLOW)
	2	MARKING LINE EPOXY 4-INCH (WHITE)
	3	MARKING LINE EPOXY 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
	4	MARKING LINE EPOXY 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
	5	MARKING LINE EPOXY 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
	6	MARKING LINE EPOXY 8-INCH (WHITE)
	7	MARKING STOP LINE EPOXY 18-INCH (WHITE)
	14	MARKING WORD EPOXY (WHITE)
	15	MARKING ARROW EPOXY TYPE 1
	16	MARKING ARROW EPOXY TYPE 2
	17	MARKING ARROW EPOXY TYPE 3
	20	MARKING CURB EPOXY (YELLOW)
	21	MARKING ISLAND NOSE EPOXY
	23	MARKING LINE PAINT 4-INCH (YELLOW)
	24	MARKING LINE PAINT 4-INCH (WHITE)
	25	MARKING LINE PAINT 8-INCH (WHITE)
	26	MARKING LINE PAINT 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
	29	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (WHITE)
	30	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
	39	MARKING LINE GROOVED CONTRAST PERMANENT TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
	45	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (YELLOW)
	46	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)
	49	TEMPORARY MARKING LINE REMOVABLE TAPE 8-INCH (WHITE)
	50	TEMPORARY MARKING REMOVABLE TAPE 8-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
	51	TEMPORARY MARKING REMOVABLE TAPE 4-INCH (DASHED WHITE) (12.5 FT LINE 37.5 FT SKIP)
	52	TEMPORARY MARKING STOP LINE REMOVABLE TAPE 18-INCH
	54	MARKING LINE PAINT 4-INCH (DOT PATTERN WHITE) (3 FT LINE 9 FT SKIP)
	55	MARKING LINE GROOVED WET REF CONTRAST EPOXY 4-INCH (WHITE)
	56	TEMPORARY MARKING LINE REMOVABLE TAPE 4-INCH (WHITE)

GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

- 1) ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
- 2) "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
- 3) TRAFFIC CONTROL DRUMS IN TAPERS, SHALL BE EQUIPPED WITH TRAFFIC CONTROL WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY, UNLESS OTHERWISE SHOWN, DRUMS SHALL BE SPACED AT 25-FT OC IN TAPERS AND 50-FT OC ON TANGENTS OR AS OTHERWISE SHOWN.
- 4) SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
- 5) ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.
- 6) ALL SIGNS, TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER. COVERING WILL BE PAID FOR AS "TRAFFIC CONTROL COVERING SIGNS TYPE I" OR AS "TRAFFIC CONTROL COVERING SIGNS TYPE II".
- 7) CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
- 8) BARRICADE STRIPES ARE TO BE SLOPED DOWNWARD IN THE DIRECTION OF TRAFFIC FLOW.
- 9) ALL TRAFFIC CONTROL SIGNS LOCATED IN MEDIAN ARE TO BE MOUNTED ON MEDIAN BARRIER, SEE CONSTRUCTION DETAILS.

LEGEND

	TYPE III BARRICADE WITH LIGHTS TYPE A
	TYPE III BARRICADE WITH LIGHTS TYPE A AND ATTACHED SIGN
	TRAFFIC CONTROL DRUM
	TRAFFIC CONTROL DRUM WITH STEADY BURN LIGHT TYPE C
	TRAFFIC CONTROL ARROW BOARDS
	SIGN ON PERMANENT SUPPORT
	SIGN ON TEMPORARY SUPPORT
	WORK AREA
	DIRECTION OF TRAFFIC
	CONCRETE BARRIER TEMPORARY PRECAST
	CRASH CUSHION TEMPORARY
	TRAFFIC CONTROL SIGNS PCMS
	TRAFFIC CONTROL FIXED MESSAGE SIGNS (SURFACE MOUNT)
	TRAFFIC CONTROL FIXED MESSAGE SIGNS (GROUND MOUNT)
	TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER POSTS AND BASES
	TEMPORARY SHORING (SHEET PILING)
	TEMPORARY PAVING
	ANCHORAGES FOR STEEL PLATE BEAM GUARD TEMPORARY
	CORRUGATIONS (SAWED IN) DURING STAGE 5
	GLARE SCREEN TEMPORARY
	FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
3. TRAFFIC CONTROL DRUMS IN TAPERS, SHALL BE EQUIPPED WITH TRAFFIC CONTROL WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY, UNLESS OTHERWISE SHOWN, DRUMS SHALL BE SPACED AT 25 FT OC IN TAPERS AND 50 FT OC ON TANGENTS.
4. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
5. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.
6. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.
7. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
8. ADEQUATE TURNING PROVISION SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING TRUCKS AS DIRECTED BY THE ENGINEER.
9. SLOPE STRIPES ON BARRICADES TYPE III DOWNWARD, IN THE DIRECTION OF TRAFFIC FLOW.
10. SIGNS WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED OR AS DIRECTED BY THE ENGINEER. IN LEAU OF COVERING SIGNS, CONTRACTOR MAY ELECT TO REMOVE AND REINSTALL THEM.
11. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
12. CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE PLANS.

TOWN OF
RAYMONDCONSTRUCTION OF IH 94 NB
STAGE 4 UNDER ID 1035-01-74BEGIN PROJECT
STA 334+00.00BEGIN CONSTRUCTION
STA 341+00.00

STAGE 4B

STAGE 4A
B-51-140END CONSTRUCTION
STA 354+00.0END PROJECT
STA 362+52.46

7 MILE ROAD

7 MILE ROAD

VILLAGE OF
CALEDONIA

STAGE 4A - CONSTRUCTION

-REMOVE B-51-33 CONSTRUCT B-51-140
IH 94 NB BRIDGE, SUBSTRUCTURE WORK
MUST BE COMPLETED PRIOR TO STAGE 4B

STAGE 4B - CONSTRUCTION

-CONSTRUCT WESTBOUND 7 MILE ROAD
STA 341+00 TO STA 354+00

-CONSTRUCT TEMPORARY PAVEMENT
IN MEDIAN FOR STAGE 4C TRAFFIC

-CONSTRUCT 7 MILE FAIR DRIVEWAY
AND PEDESTRIAN CROSSING

-CONSTRUCT TRIANGLE ISLAND AT
NE ENTRANCE RAMP

STAGE 4A - TRAFFIC

-7 MILE ROAD CLOSED FOR TWO SHORT
DURATIONS FOR BRIDGE REMOVAL AND
SUPERSTRUCTURE FRAMING

STAGE 4B - TRAFFIC

-NE ENTRANCE RAMP, NW EXIT RAMP
AND SE EXIT RAMP CLOSED TO TRAFFIC

-7 MILE ROAD HAS TWO-WAY TRAFFIC
ON EASTBOUND ROADWAY

LEGEND

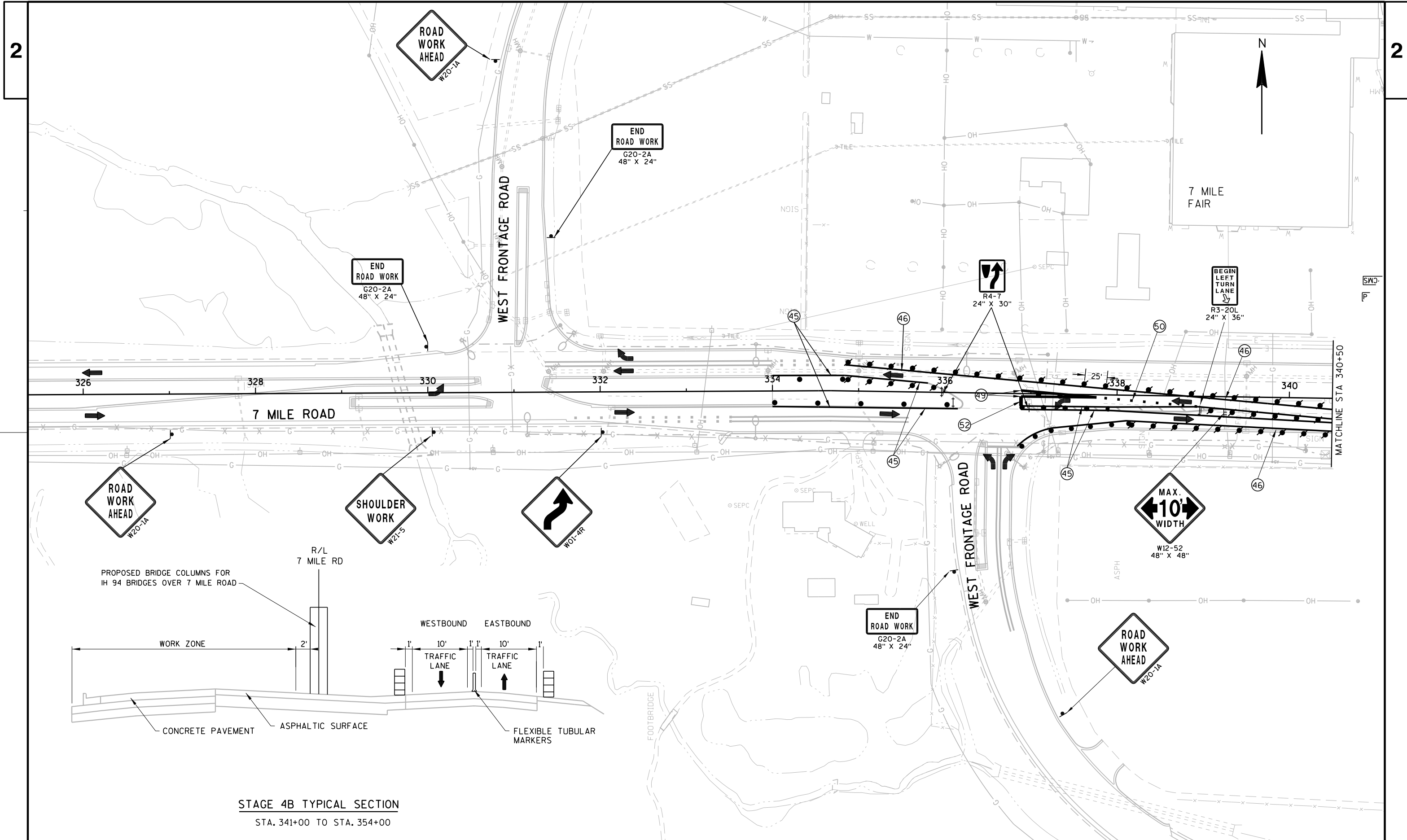


WORK ZONE 4B

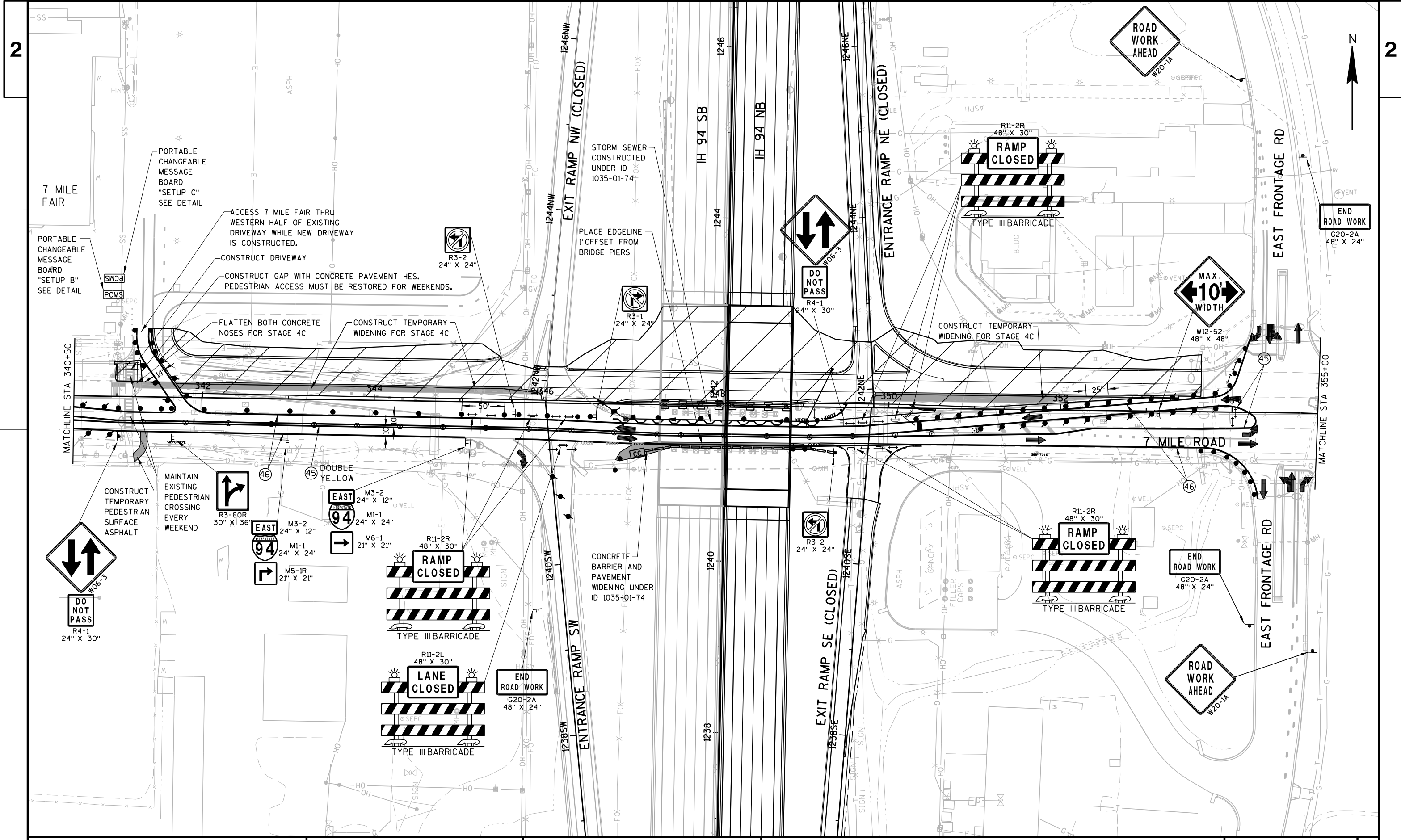


DIRECTION OF TRAFFIC





STAGE 4B TYPICAL SECTION
STA. 341+00 TO STA. 354+00



NOTE

- 1) MAINTAIN EXISTING DRIVING PATTERN
STA 355+00 TO STA 368+00

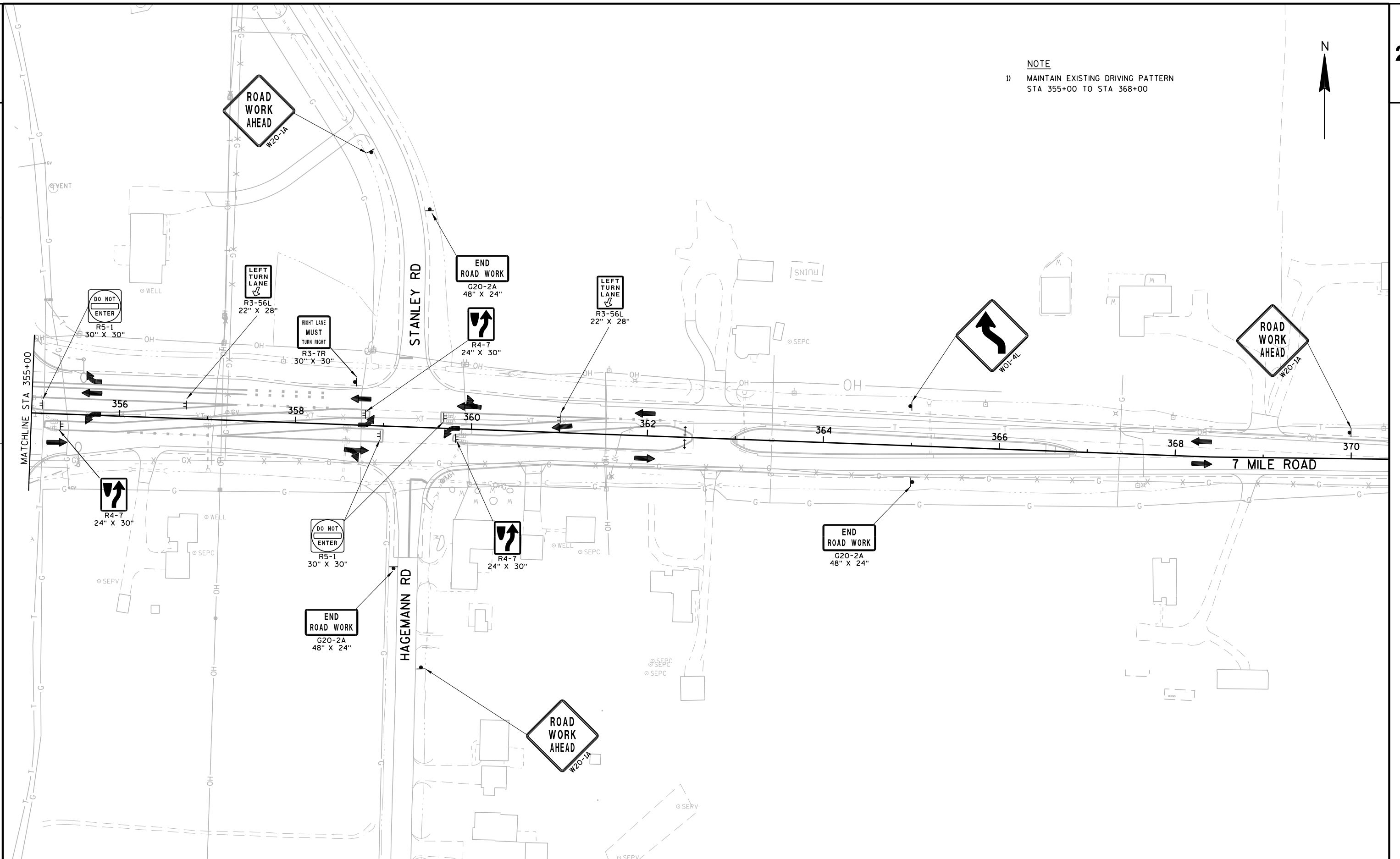
N

MATCHLINE STA 355+00

STANLEY RD

HAGEMANN RD

7 MILE ROAD



SETUP "B"

FRAME 1:

ENTRANCE
ONLY

SETUP "C"

FRAME 1:

DO
NOT
EXIT

FRAME 2:

USE NORTH
LOT
EXIT

FRAME 2:

USE NORTH
LOT
EXIT

OCCURS IN
STAGE 4B

OCCURS IN
STAGE 4B

GENERAL NOTES FOR TRAFFIC CONTROL SIGNS PORTABLE CHANGEABLE MESSAGE

- 1) SETUP "B" TO BE USED WITHIN THE 7 MILE FAIR PARKING DURING FIRST THREE WEEKS OF CONSTRUCTION.
- 2) SETUP "C" TO BE USED WITHIN THE 7 MILE FAIR PARKING DURING FOR THE DURATION OF THE CONSTRUCTION STAGE.
- 3) SETUPS TO BE PLACED AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
3. TRAFFIC CONTROL DRUMS IN TAPERS, SHALL BE EQUIPPED WITH TRAFFIC CONTROL WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY, UNLESS OTHERWISE SHOWN, DRUMS SHALL BE SPACED AT 25 FT OC IN TAPERS AND 50 FT OC ON TANGENTS.
4. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
5. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.
6. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.
7. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
8. ADEQUATE TURNING PROVISION SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING TRUCKS AS DIRECTED BY THE ENGINEER.
9. SLOPE STRIPES ON BARRICADES TYPE III DOWNWARD, IN THE DIRECTION OF TRAFFIC FLOW.
10. SIGNS WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED OR AS DITRECTED BY THE ENGINEER. IN LEAU OF COVERING SIGNS, CONTRACTOR MAY ELECT TO REMOVE AND REINSTALL THEM.
11. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
12. CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE PLANS.

STAGE 4C - CONSTRUCTION

-CONSTRUCT EASTBOUND 7 MILE ROAD
STA 343+00 TO STA 353+67

-REMOVE TEMPORARY SHEET SHORING
AND TEMPORARY PAVEMENT (SOUTH
SIDE OF 7 MILE ROAD, STA 347 TO 349)

STAGE 4C - TRAFFIC

-SW AND NE ENTRANCE RAMP AND
SE EXIT RAMP ARE CLOSED TO TRAFFIC

- 7 MILE ROAD HAS TWO-WAY TRAFFIC
ON WESTBOUND ROADWAY

LEGEND



WORK ZONE 4C



DIRECTION OF TRAFFIC

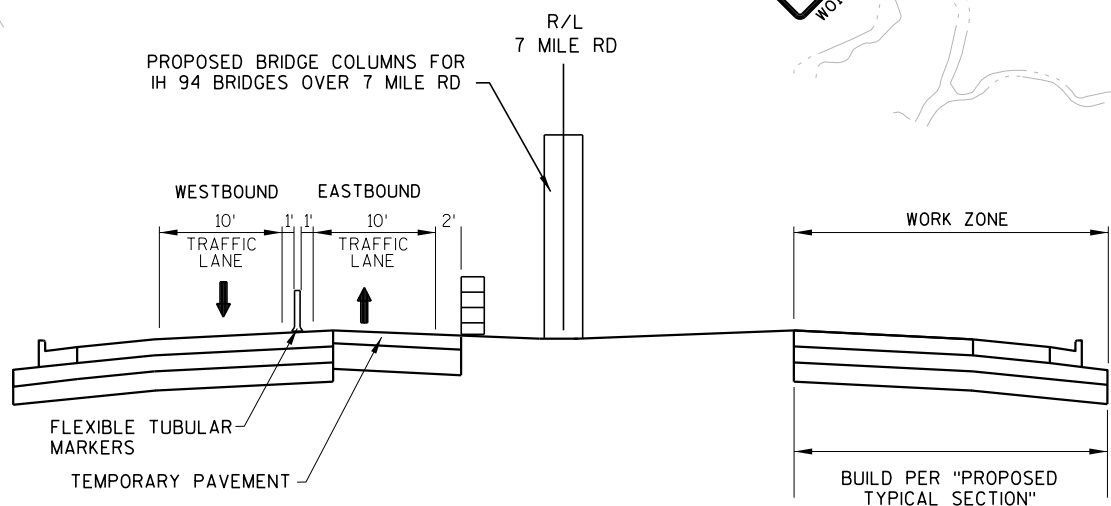
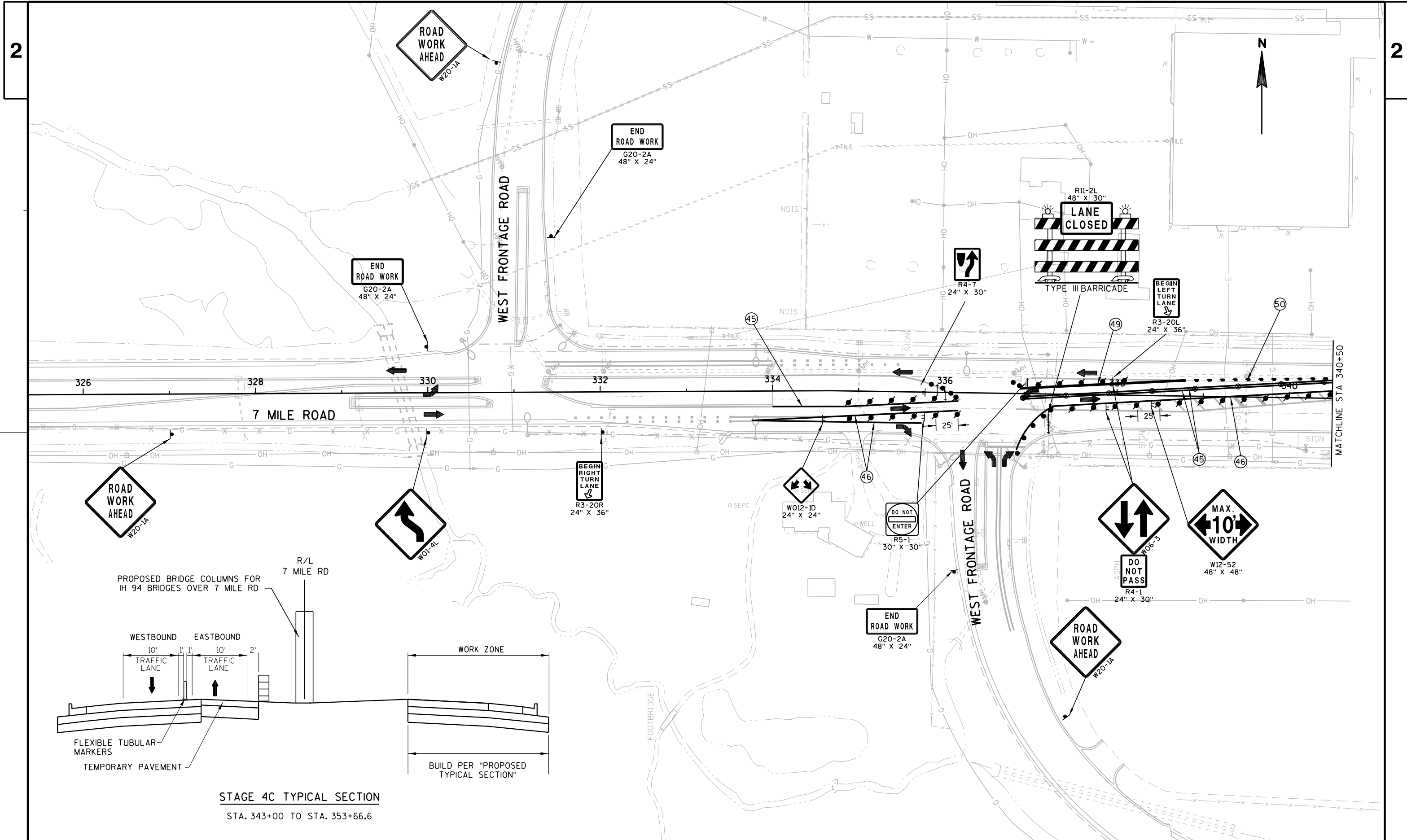
TOWN OF
RAYMONDCONSTRUCTION OF IH 94 NB
STAGE 4 UNDER ID 1035-01-74

STAGE 4C

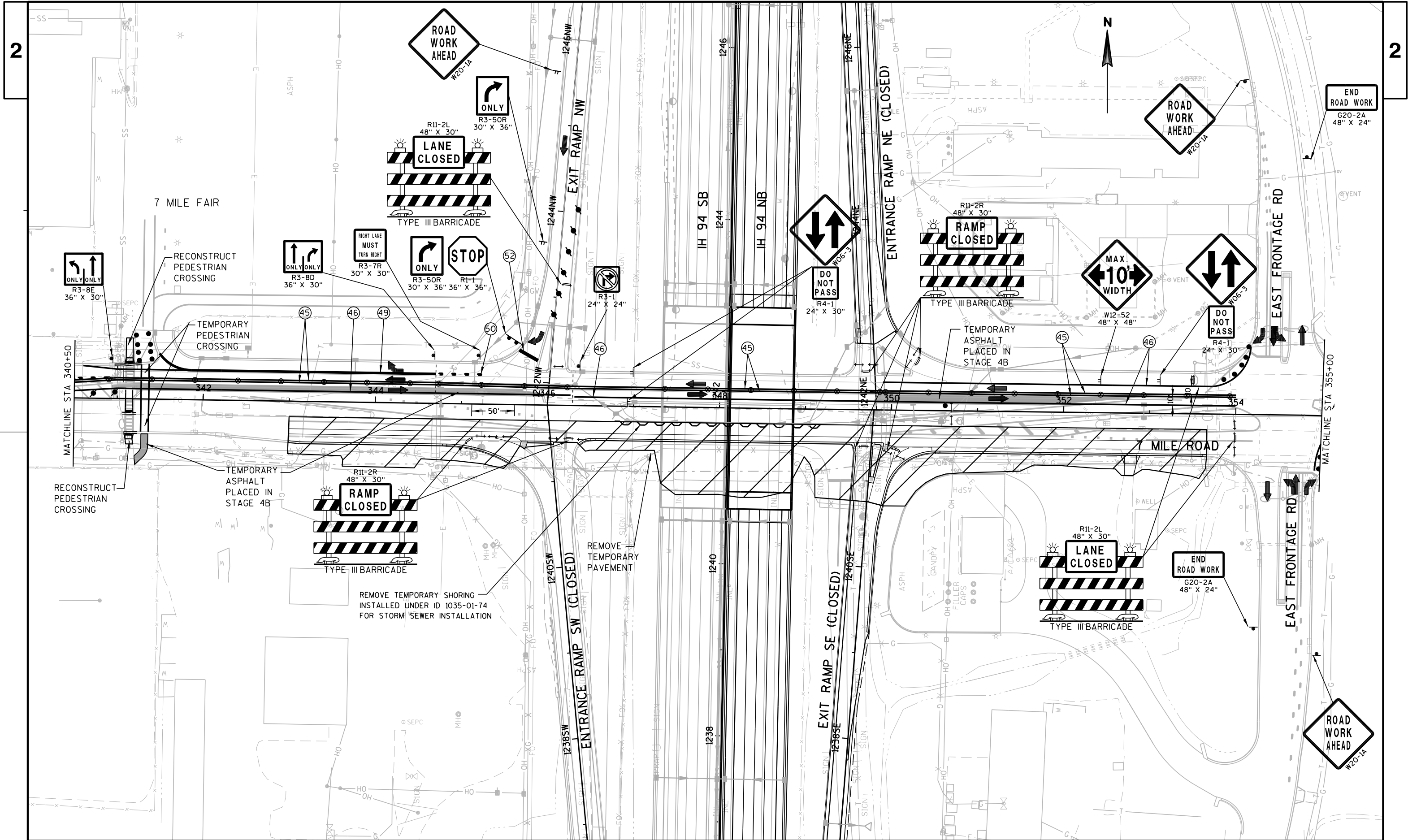
7 MILE ROAD

7 MILE ROAD

BEGIN CONSTRUCTION
STA 343+00.00END CONSTRUCTION
STA 353+66.6VILLAGE OF
CALEDONIA



STAGE 4C TYPICAL SECTION
STA. 343+00 TO STA. 353+66.6



PROJECT NO: 1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

TRAFFIC CONTROL - STAGE 4C

SHEET

76

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FILE NAME : F:\BM1-1834B 7M Road\10350172_7r\Roads\cads\7r025011_s4c.dgn

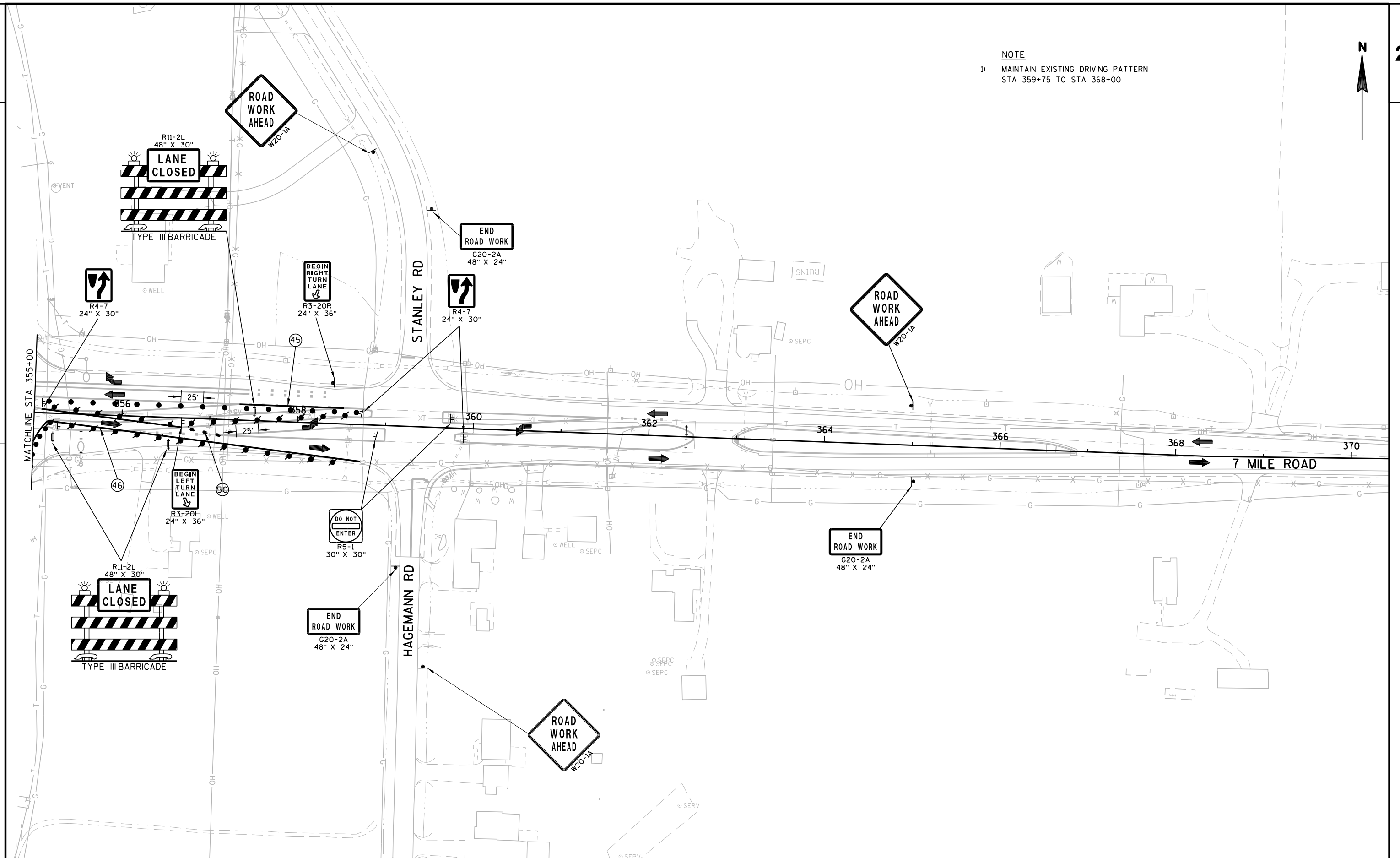
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PLOT BY : scook

PLOT NAME :

PLOT SCALE : 100:1

WISDOT/CADDs SHEET 42



GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
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4. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
5. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.
6. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.
7. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
8. ADEQUATE TURNING PROVISION SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING TRUCKS AS DIRECTED BY THE ENGINEER.
9. SLOPE STRIPES ON BARRICADES TYPE III DOWNWARD, IN THE DIRECTION OF TRAFFIC FLOW.
10. SIGNS WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED OR AS DITRECTED BY THE ENGINEER. IN LEAU OF COVERING SIGNS, CONTRACTOR MAY ELECT TO REMOVE AND REINSTALL THEM.
11. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
12. CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE PLANS.

STAGE 4D - CONSTRUCTION

-REMOVE TEMPORARY PAVEMENT

-CONSTRUCT 7 MILE ROAD MEDIAN
STA 334+00 TO STA 362+50,
LEAVING GAPS AT INTERSECTIONS
EXCEPT NOT AT RAMP

STAGE 4D - TRAFFIC

-NE ENTRANCE RAMP AND SE EXIT
RAMP ARE CLOSED TO TRAFFIC

-7 MILE ROAD HAS TWO-WAY TRAFFIC
ON EASTBOUND AND WESTBOUND OUTER
LANE AND SHOULDER

LEGEND

 WORK ZONE 4D

 DIRECTION OF TRAFFIC



TOWN OF
RAYMOND

CONSTRUCTION OF IH 94 NB
STAGE 4 UNDER ID 1035-01-74

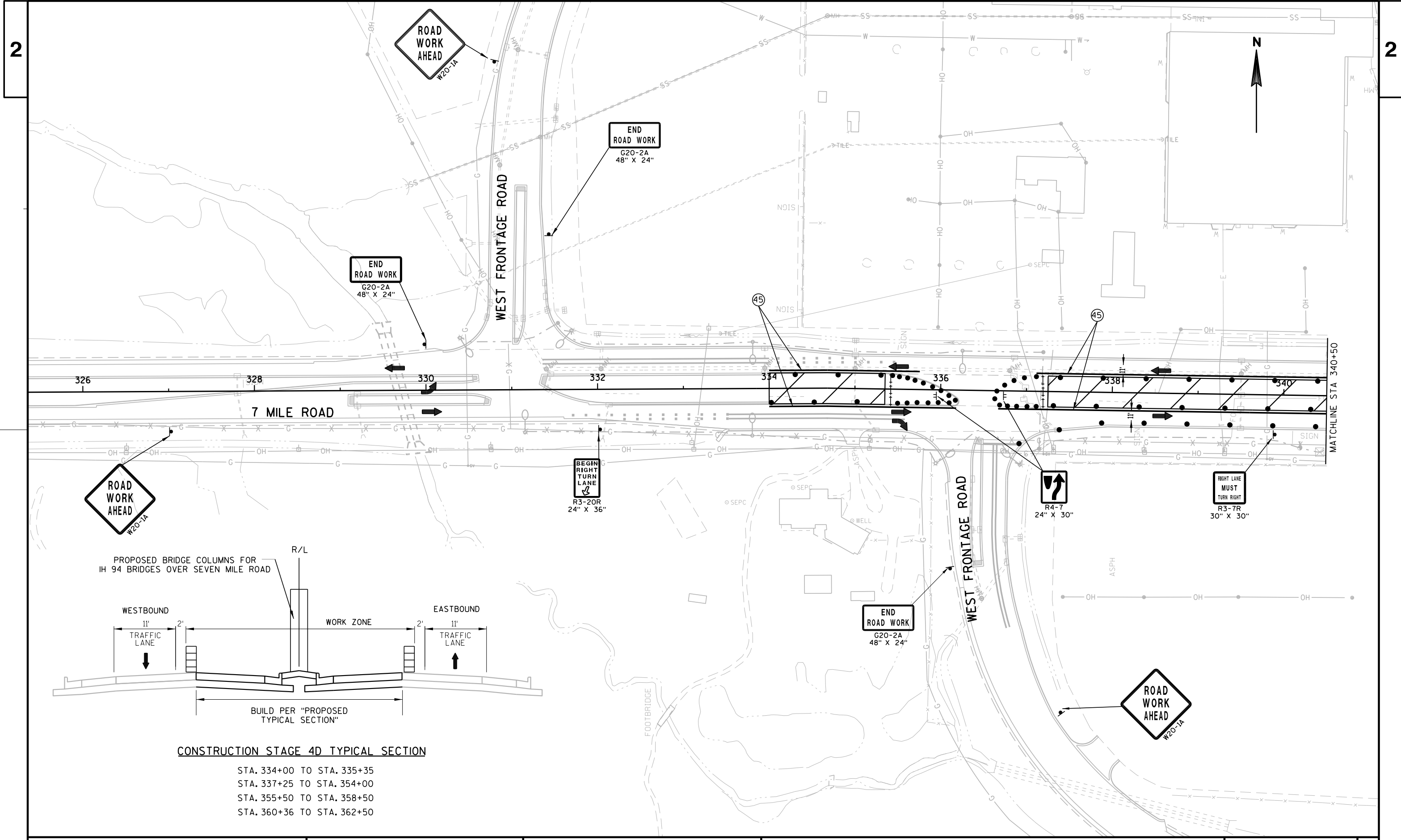
BEGIN CONSTRUCTION
STA 334+00.0

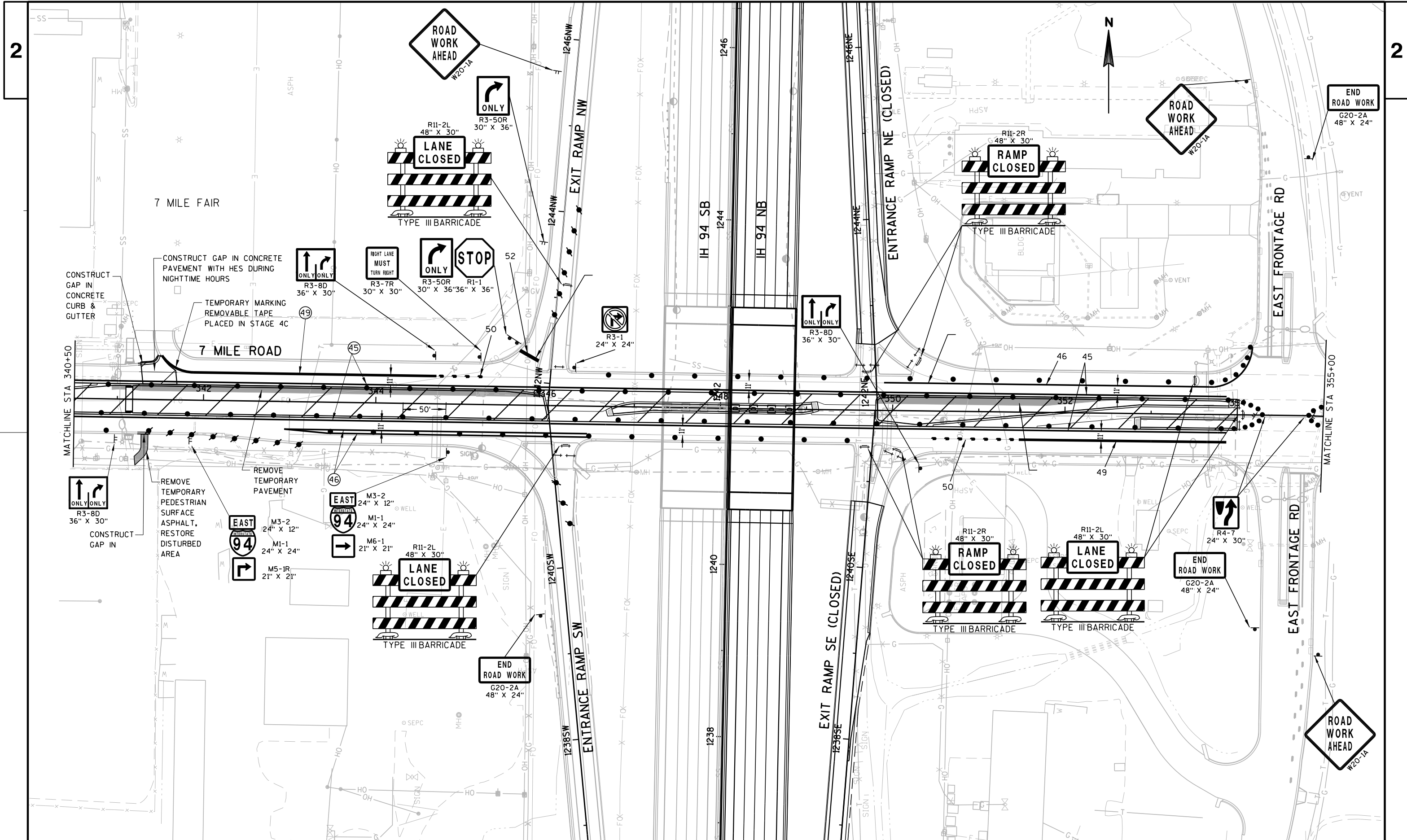
STAGE 4D

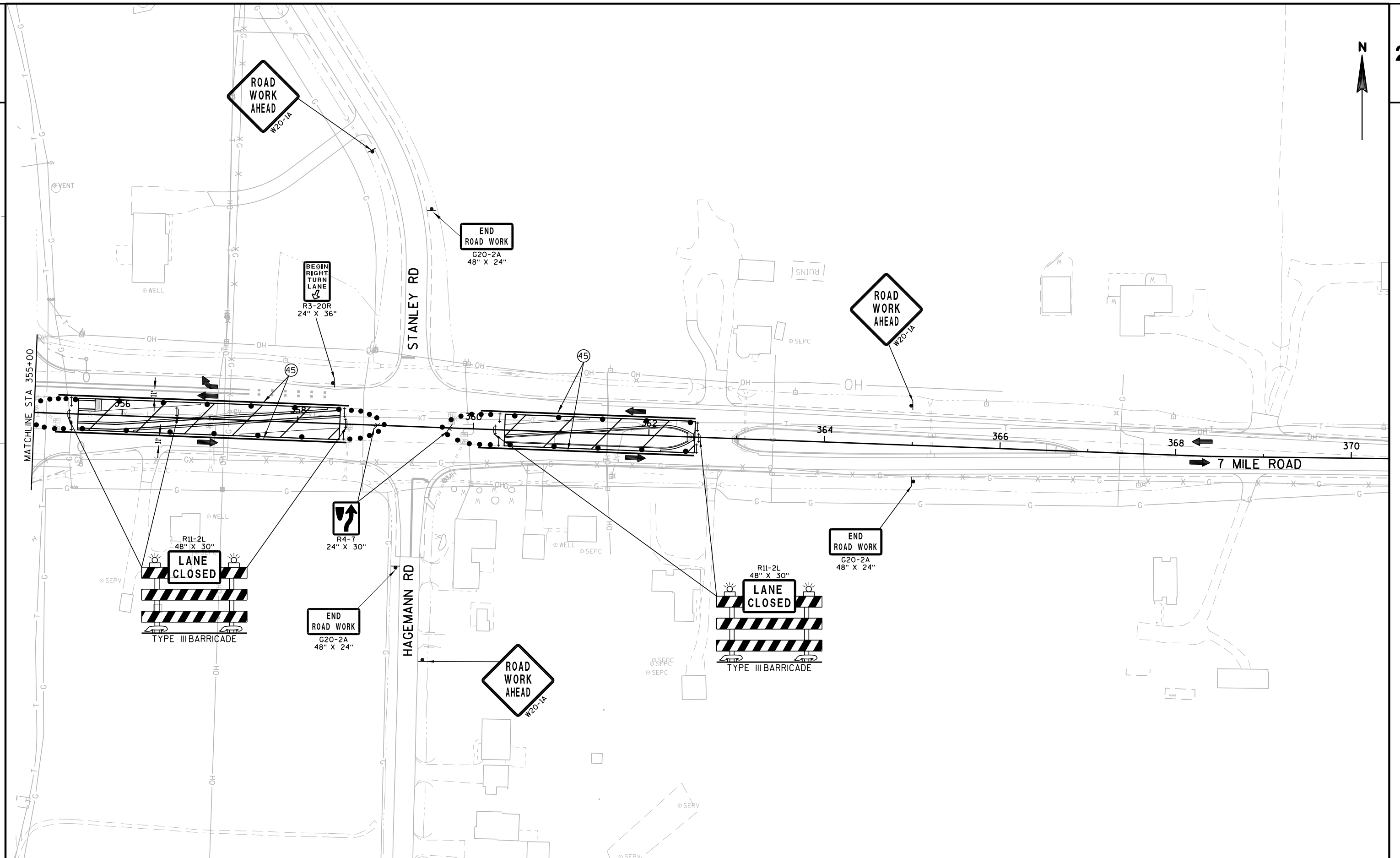
STAGE 4D

END CONSTRUCTION
STA 362+50.0

VILLAGE OF
CALEDONIA







GENERAL NOTES FOR CONSTRUCTION STAGING AND TRAFFIC CONTROL

1. ALL TRAFFIC CONTROL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED IN THE PLANS.
2. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS REFLECTIVE ORANGE.
3. TRAFFIC CONTROL DRUMS IN TAPERS, SHALL BE EQUIPPED WITH TRAFFIC CONTROL WARNING LIGHTS, TYPE "C", ONE WAY LIGHTS IN TAPERS ONLY, UNLESS OTHERWISE SHOWN, DRUMS SHALL BE SPACED AT 25 FT OC IN TAPERS AND 50 FT OC ON TANGENTS.
4. SIGN LOCATIONS ARE APPROXIMATE. THE ACTUAL LOCATION AND SPACING MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER TO MEET FIELD CONDITIONS.
5. ALL EXISTING CONFLICTING PAVEMENT MARKING SHALL BE REMOVED.
6. A FLAGGER MAY BE REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE "WORK/CLOSED" AREAS IF WARRANTED BY CONDITIONS AND/OR AS DIRECTED BY THE ENGINEER.
7. CONTRACTOR SHALL INSTALL PERMANENT SIGNS AND PERMANENT PAVEMENT MARKING WHEN APPROPRIATE DURING CONSTRUCTION STAGING AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER.
8. ADEQUATE TURNING PROVISION SHALL BE MAINTAINED FOR ALL VEHICLES, INCLUDING TRUCKS AS DIRECTED BY THE ENGINEER.
9. SLOPE STRIPES ON BARRICADES TYPE III DOWNWARD, IN THE DIRECTION OF TRAFFIC FLOW.
10. SIGNS WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE COVERED OR REMOVED AS NEEDED OR AS DIRECTED BY THE ENGINEER. IN LEAU OF COVERING SIGNS, CONTRACTOR MAY ELECT TO REMOVE AND REINSTALL THEM.
11. TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
12. CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THE PLANS.

STAGE 4E - CONSTRUCTION

-CONSTRUCT 7 MILE REMAINING MEDIAN GAPS AT INTERSECTIONS, STA 335+35 TO STA 360+36

STAGE 4E - TRAFFIC

-NE ENTRANCE RAMP AND SE EXIT RAMP ARE CLOSED TO TRAFFIC

-7 MILE ROAD HAS TWO-WAY TRAFFIC ON EASTBOUND AND WESTBOUND OUTER LANE AND SHOULDER

LEGEND



WORK ZONE 4E



DIRECTION OF TRAFFIC

TOWN OF
RAYMONDCONSTRUCTION OF IH 94 NB
STAGE 4 UNDER ID 1035-01-74BEGIN PROJECT
STA 334+00.00

STAGE 4E

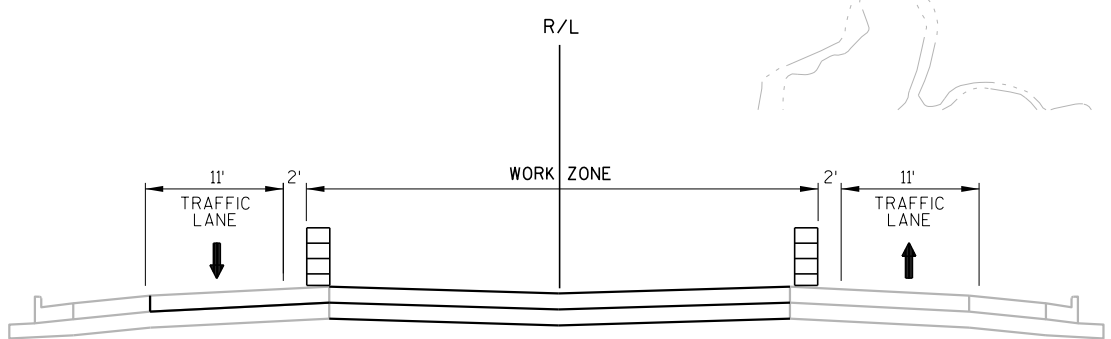
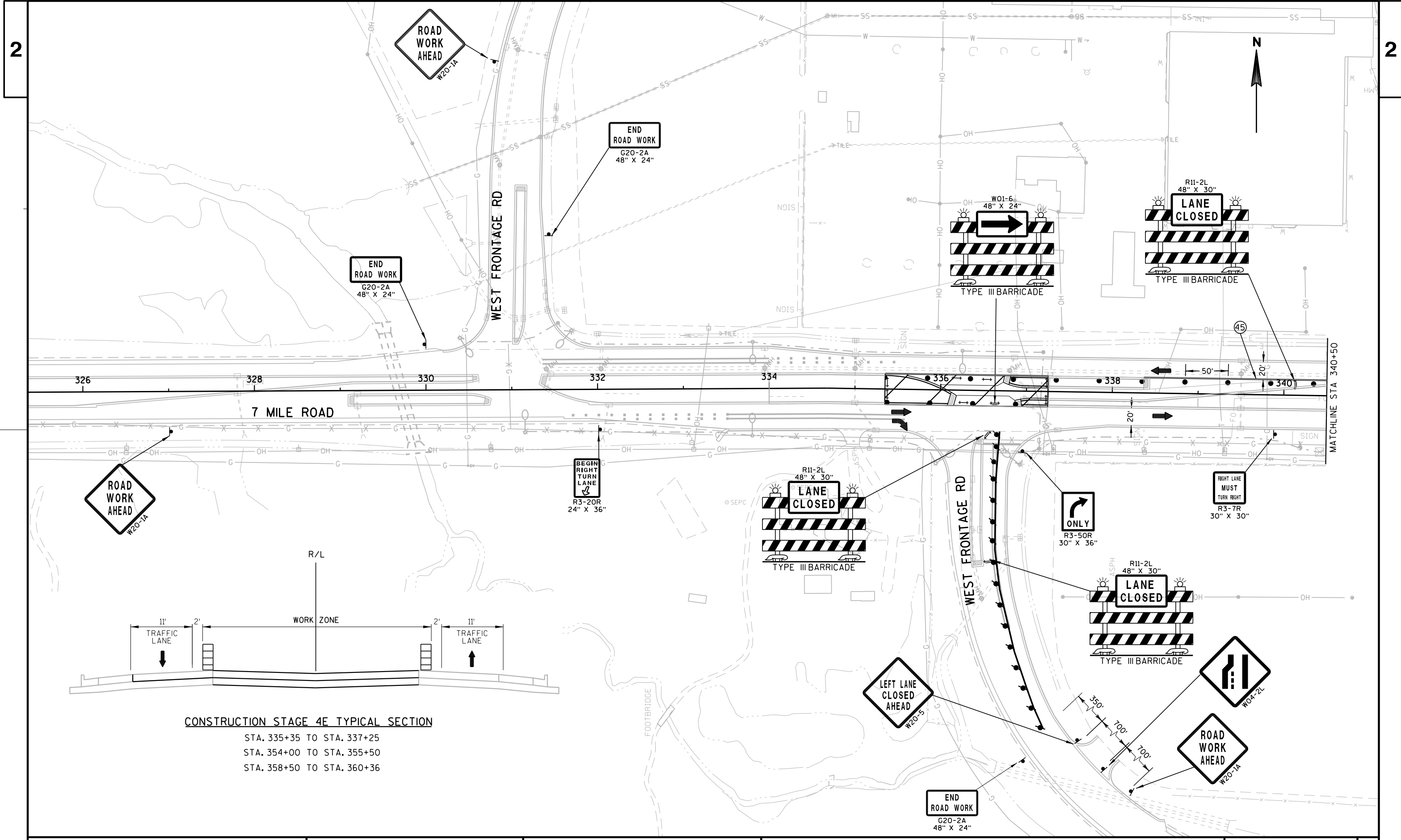
END PROJECT
STA 362+52.46

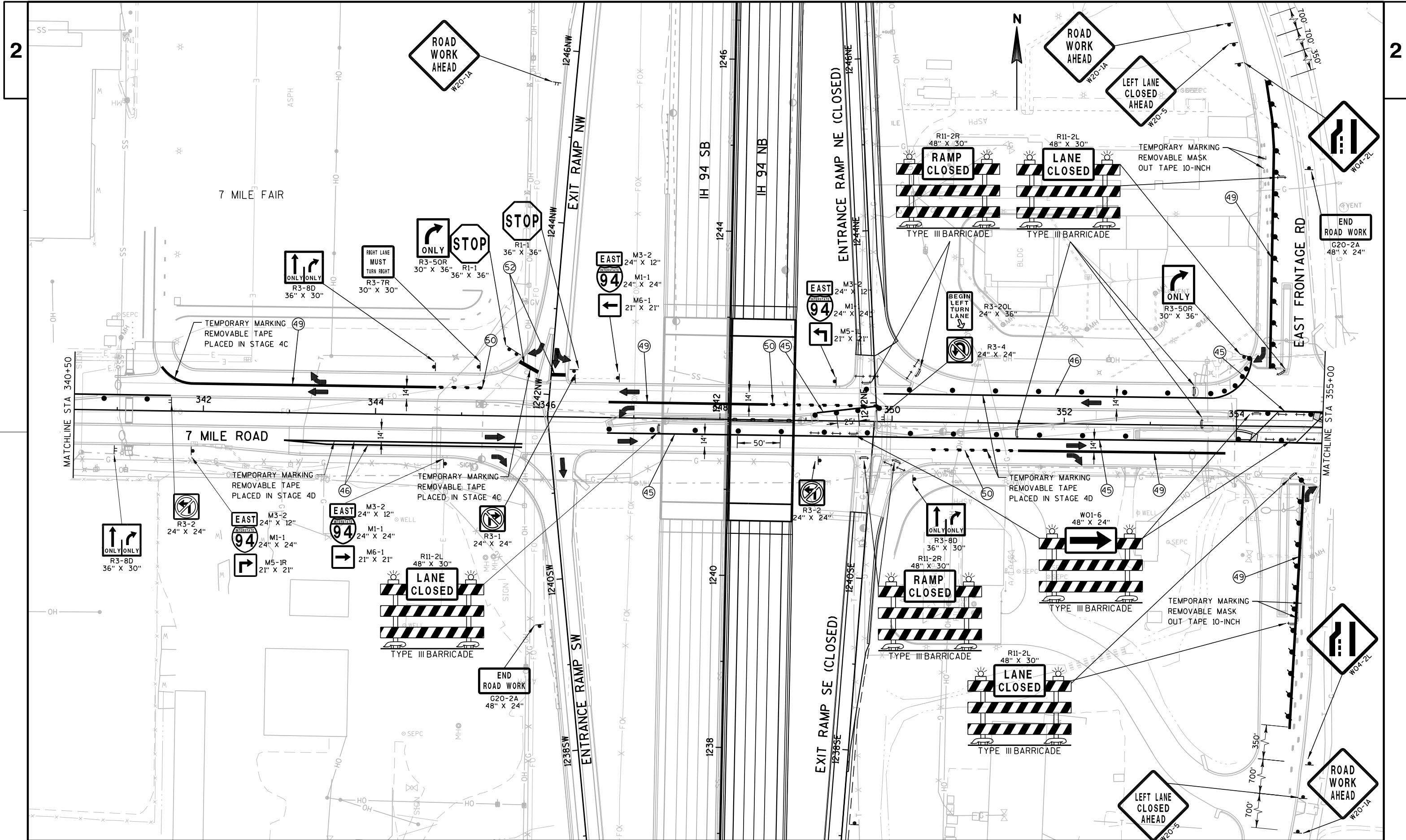
STAGE 4E

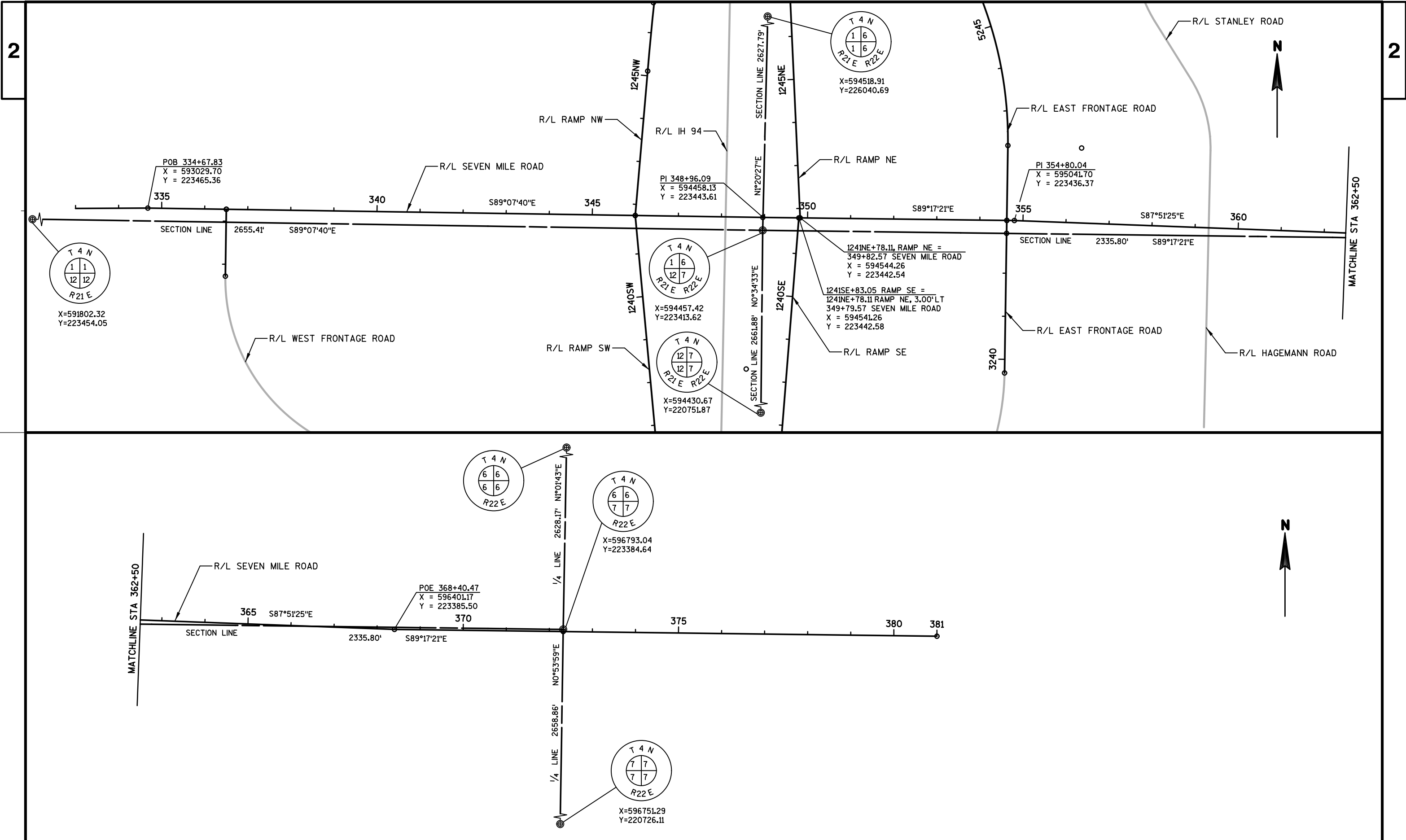
7 MILE ROAD

7 MILE ROAD

BEGIN CONSTRUCTION
STA 335+35.0END CONSTRUCTION
STA 360+35.9VILLAGE OF
CALEDONIA







PROJECT NO:1035-01-72

HWY:IH 94/SEVEN MILE ROAD

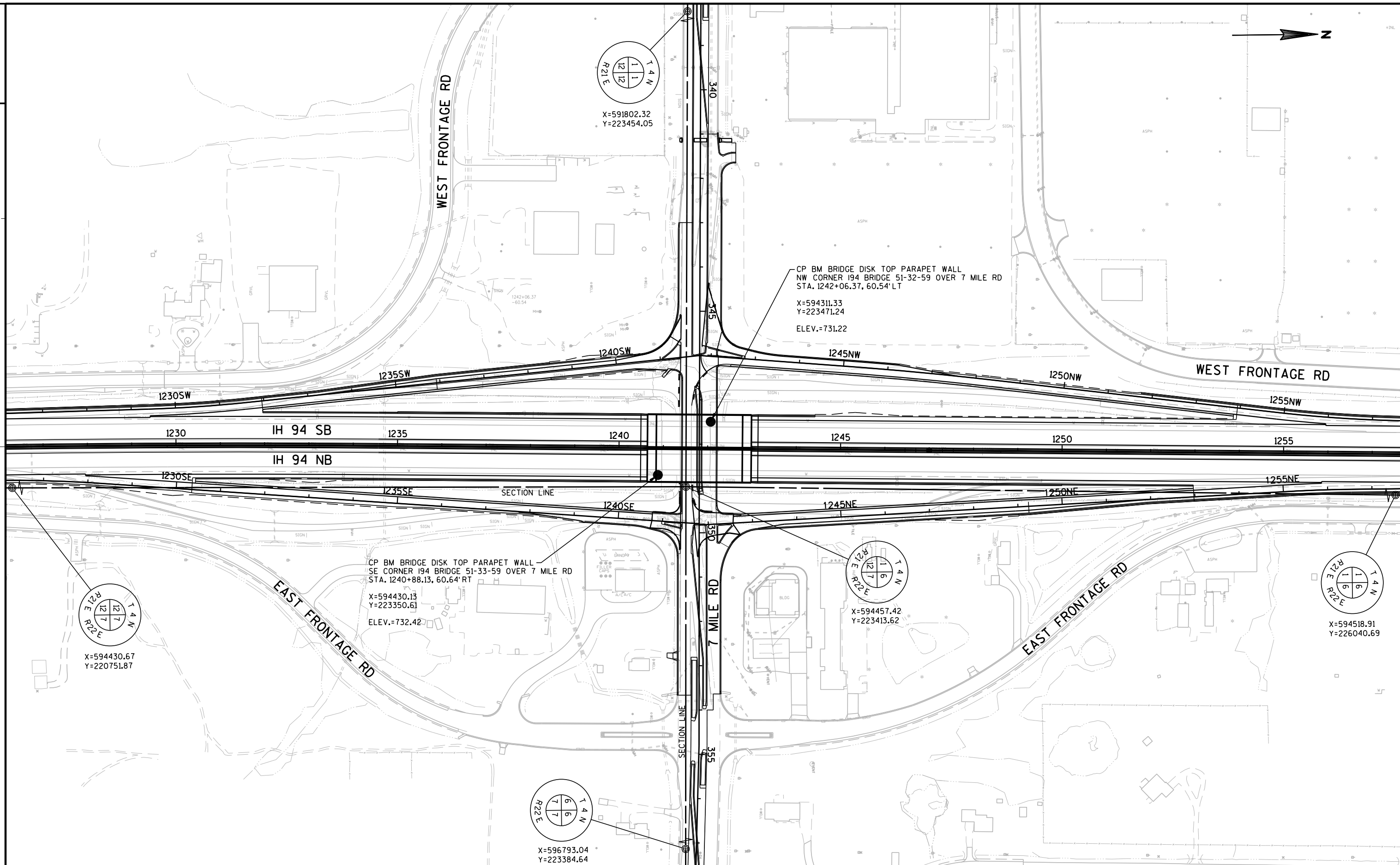
COUNTY:RACINE

ALIGNMENT PLAN

SHEET

86

E



Estimate Of Quantities By Plan Sets

1035-01-72

Line	Item	Item Description	Unit	Total	Qty
0014	203.0100	Removing Small Pipe Culverts	EACH	7.000	7.000
0066	204.0110	Removing Asphaltic Surface **P**	SY	6,740.000	6,740.000
0072	204.0150	Removing Curb & Gutter	LF	153.000	153.000
0076	204.0155	Removing Concrete Sidewalk	SY	61.000	61.000
0082	204.0170	Removing Fence **P**	LF	161.000	161.000
0084	204.0180	Removing Delineators and Markers	EACH	4.000	4.000
0086	204.0195	Removing Concrete Bases	EACH	2.000	2.000
0088	204.0210	Removing Manholes	EACH	3.000	3.000
0090	204.0220	Removing Inlets	EACH	6.000	6.000
0094	204.0245	Removing Storm Sewer (size) 0002. 12-Inch	LF	92.000	92.000
0096	204.0245	Removing Storm Sewer (size) 0004. 15-Inch	LF	85.000	85.000
0102	204.0245	Removing Storm Sewer (size) 0008. 24-Inch	LF	204.000	204.000
0116	204.9060.S	Removing (item description) 0002. Endwall	EACH	3.000	3.000
0118	204.9060.S	Removing (item description) 0004. Inlet Covers	EACH	12.000	12.000
0124	204.9060.S	Removing (item description) 0012. Cover Plates	EACH	34.000	34.000
0126	204.9060.S	Removing (item description) 1002. Lighting Units	EACH	2.000	2.000
0130	204.9060.S	Removing (item description) 1020. Luminaires	EACH	16.000	16.000
0168	205.0100	Excavation Common **P**	CY	15,306.000	15,306.000
0214	213.0100	Finishing Roadway (project) 0008. 1035-01-72	EACH	1.000	1.000
0224	305.0125	Base Aggregate Dense 1 1/4-Inch **P**	CY	2,350.000	2,350.000
0228	312.0115	Select Crushed Material **P**	CY	310.000	310.000
0232	415.0075	Concrete Pavement 7 1/2-Inch **P**	SY	11,700.000	11,700.000
0234	415.0080	Concrete Pavement 8-Inch **P**	SY	535.000	535.000
0244	415.1080	Concrete Pavement HES 8-Inch	SY	80.000	80.000
0250	415.4100	Concrete Pavement Joint Filling	SY	14,160.000	14,160.000
0256	415.5110.S	Concrete Pavement Joint Layout 0006. 1035-01-72	LS	1.000	1.000
0264	416.0160	Concrete Driveway 6-Inch	SY	19.000	19.000
0306	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	3.000	3.000
0308	465.0125	Asphaltic Surface Temporary	TON	250.000	250.000
0312	495.1000.S	Cold patch	TON	10.000	10.000
0508	601.0409	Concrete Curb & Gutter 30-Inch Type A **P**	LF	7,430.000	7,430.000
0510	601.0551	Concrete Curb & Gutter 4-Inch Sloped 36-Inch Type A **P**	LF	690.000	690.000
0514	602.0410	Concrete Sidewalk 5-Inch **P**	SF	11,480.000	11,480.000
0516	602.0505	Curb Ramp Detectable Warning Field Yellow	SF	64.000	64.000
0540	606.0200	Riprap Medium	CY	10.000	10.000
0544	608.0312	Storm Sewer Pipe Reinforced Concrete Class III 12-Inch	LF	203.000	203.000
0546	608.0315	Storm Sewer Pipe Reinforced Concrete Class III 15-Inch	LF	333.000	333.000

Estimate Of Quantities By Plan Sets

1035-01-72					
Line	Item	Item Description	Unit	Total	Qty
0550	608.0324	Storm Sewer Pipe Reinforced Concrete Class III 24-Inch	LF	47.000	47.000
0558	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	61.000	61.000
0592	611.0535	Manhole Covers Type J-Special	EACH	1.000	1.000
0596	611.0627	Inlet Covers Type HM	EACH	45.000	45.000
0598	611.0636	Inlet Covers Type HM-S	EACH	6.000	6.000
0602	611.0654	Inlet Covers Type V	EACH	3.000	3.000
0606	611.2004	Manholes 4-FT Diameter	EACH	6.000	6.000
0618	611.3004	Inlets 4-FT Diameter	EACH	2.000	2.000
0622	611.3230	Inlets 2x3-FT	EACH	12.000	12.000
0632	611.8110	Adjusting Manhole Covers	EACH	10.000	10.000
0634	611.8115	Adjusting Inlet Covers	EACH	4.000	4.000
0686	618.0100	Maintenance And Repair of Haul Roads (project) 0008. 1035-01-72	EACH	1.000	1.000
0692	619.1000	Mobilization	EACH	0.010	0.010
0694	620.0300	Concrete Median Sloped Nose **P**	SF	1,590.000	1,590.000
0696	623.0200	Dust Control Surface Treatment	SY	15,375.000	15,375.000
0698	624.0100	Water	MGAL	100.000	100.000
0700	625.0100	Topsoil	SY	4,180.000	4,180.000
0702	625.0500	Salvaged Topsoil	SY	3,300.000	3,300.000
0704	627.0200	Mulching	SY	5,940.000	5,940.000
0706	628.1104	Erosion Bales	EACH	50.000	50.000
0708	628.1504	Silt Fence	LF	400.000	400.000
0710	628.1520	Silt Fence Maintenance	LF	800.000	800.000
0712	628.1905	Mobilizations Erosion Control	EACH	3.000	3.000
0714	628.1910	Mobilizations Emergency Erosion Control	EACH	4.000	4.000
0716	628.2002	Erosion Mat Class I Type A	SY	1,810.000	1,810.000
0730	628.7005	Inlet Protection Type A	EACH	79.000	79.000
0736	628.7020	Inlet Protection Type D	EACH	90.000	90.000
0744	628.7560	Tracking Pads	EACH	3.000	3.000
0750	630.0200	Seeding Temporary	LB	230.000	230.000
0764	634.0618	Posts Wood 4x6-Inch X 18-FT	EACH	105.000	105.000
0788	637.2210	Signs Type II Reflective H	SF	1,226.390	1,226.390
0792	637.2230	Signs Type II Reflective F	SF	18.250	18.250
0796	638.2102	Moving Signs Type II	EACH	5.000	5.000
0800	638.2602	Removing Signs Type II	EACH	59.000	59.000
0802	638.3000	Removing Small Sign Supports	EACH	73.000	73.000
0864	643.0300	Traffic Control Drums	DAY	20,100.000	20,100.000
0866	643.0420	Traffic Control Barricades Type III	DAY	4,700.000	4,700.000

Estimate Of Quantities By Plan Sets

1035-01-72

Line	Item	Item Description	Unit	Total	Qty
0868	643.0500	Traffic Control Flexible Tubular Marker Posts	EACH	70.000	70.000
0870	643.0600	Traffic Control Flexible Tubular Marker Bases	EACH	70.000	70.000
0872	643.0705	Traffic Control Warning Lights Type A	DAY	9,450.000	9,450.000
0874	643.0715	Traffic Control Warning Lights Type C	DAY	8,250.000	8,250.000
0878	643.0900	Traffic Control Signs	DAY	8,200.000	8,200.000
0886	643.1050	Traffic Control Signs PCMS	DAY	75.000	75.000
0896	643.5000	Traffic Control	EACH	0.010	0.010
0898	644.1410.S	Temporary Pedestrian Surface Asphalt	SF	280.000	280.000
0906	645.0220	Geogrid Type SR	SY	13,500.000	13,500.000
0908	646.1020	Marking Line Epoxy 4-Inch **P**	LF	4,970.000	4,970.000
0914	646.1545	Marking Line Grooved Wet Ref Contrast Epoxy 4-Inch **P**	LF	2,200.000	2,200.000
0924	646.3545	Marking Line Grooved Wet Ref Contrast Epoxy 8-Inch **P**	LF	4,400.000	4,400.000
0928	646.5020	Marking Arrow Epoxy	EACH	18.000	18.000
0930	646.5120	Marking Word Epoxy	EACH	11.000	11.000
0934	646.6120	Marking Stop Line Epoxy 18-Inch	LF	20.000	20.000
0936	646.6220	Marking Yield Line Epoxy 18-Inch	EACH	15.000	15.000
0938	646.7120	Marking Diagonal Epoxy 12-Inch	LF	290.000	290.000
0942	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	88.000	88.000
0944	646.8120	Marking Curb Epoxy	LF	550.000	550.000
0946	646.8220	Marking Island Nose Epoxy	EACH	9.000	9.000
0968	649.0150	Temporary Marking Line Removable Tape 4-Inch	LF	23,100.000	23,100.000
0972	649.0250	Temporary Marking Line Removable Tape 8-Inch	LF	2,300.000	2,300.000
0980	649.0850	Temporary Marking Stop Line Removable Tape 18-Inch	LF	65.000	65.000
0982	649.0970	Temporary Marking Removable Mask Out Tape 10-Inch	LF	1,250.000	1,250.000
0986	652.0225	Conduit Rigid Nonmetallic Schedule 40 2-Inch	LF	2,386.000	2,386.000
0988	652.0235	Conduit Rigid Nonmetallic Schedule 40 3-Inch	LF	185.000	185.000
0996	653.0140	Pull Boxes Steel 24x42-Inch	EACH	8.000	8.000
1004	653.0905	Removing Pull Boxes	EACH	7.000	7.000
1010	654.0107	Concrete Bases Type 7	EACH	11.000	11.000
1024	655.0610	Electrical Wire Lighting 12 AWG	LF	2,090.000	2,090.000
1026	655.0620	Electrical Wire Lighting 8 AWG	LF	10,645.000	10,645.000
1030	655.0630	Electrical Wire Lighting 4 AWG	LF	3,100.000	3,100.000
1064	657.0210	Transformer Bases Breakaway 15-17 Inch Bolt Circle	EACH	11.000	11.000
1072	657.0330	Poles Type 7	EACH	11.000	11.000
1080	657.0635	Luminaire Arms Single Member 6-Inch Clamp 10-FT	EACH	10.000	10.000
1082	657.0640	Luminaire Arms Single Member 6-Inch Clamp 15-FT	EACH	6.000	6.000
1092	659.1125	Luminaires Utility LED C	EACH	32.000	32.000
1168	690.0150	Sawing Asphalt	LF	5,713.000	5,713.000

Estimate Of Quantities By Plan Sets

1035-01-72					
Line	Item	Item Description	Unit	Total	Qty
1170	690.0250	Sawing Concrete	LF	110.000	110.000
1172	715.0710	Optimized Aggregate Gradation Incentive	DOL	14,960.000	14,960.000
1174	ASP.1T0A	On-the-Job Training Apprentice at \$5.00/HR	HRS	90.000	90.000
1176	ASP.1T0G	On-the-Job Training Graduate at \$5.00/HR	HRS	180.000	180.000
1180	SPV.0030	Special 0001. Fertilizer Type B Special	CWT	6.000	6.000
1188	SPV.0035	Special 0006. Roadway Embankment **P**	CY	1,268.000	1,268.000
1192	SPV.0035	Special 0008. EBS Excavation	CY	2,790.000	2,790.000
1194	SPV.0035	Special 0009. EBS Backfill	CY	2,790.000	2,790.000
1202	SPV.0055	Special 0002. Dispute Resolution Board	DOL	500.000	500.000
1210	SPV.0060	Special 0007. Baseline CPM Progress Schedule	EACH	0.010	0.010
1212	SPV.0060	Special 0008. Monthly CPM Progress Schedule Updates	EACH	9.000	9.000
1216	SPV.0060	Special 0016. Reconnect Storm Sewer	EACH	3.000	3.000
1244	SPV.0060	Special 0055. Temporary Sediment Traps	EACH	4.000	4.000
1246	SPV.0060	Special 0056. Sand Bags	EACH	20.000	20.000
1248	SPV.0060	Special 0060. Section Corner Monuments	EACH	1.000	1.000
1250	SPV.0060	Special 0080. Marking Contrast Epoxy Special Marking Arrow	EACH	2.000	2.000
1280	SPV.0060	Special 1021. Replace Plaque Sequence Identification for Existing Poles	EACH	14.000	14.000
1316	SPV.0075	Special 0020. Pavement Cleanup Project 1035-01-72	HRS	50.000	50.000
1324	SPV.0085	Special 0002. Seeding Mixture No. 30 Special	LB	230.000	230.000
1336	SPV.0090	Special 0050. Concrete Curb and Gutter 4-Inch Sloped 60-Inch Type A **P**	LF	290.000	290.000
1368	SPV.0105	Special 0012. Survey Project 1035-01-72	LS	1.000	1.000
1382	SPV.0105	Special 1014. Lighting System Intergrator 1035-01-72	LS	1.000	1.000
1388	SPV.0105	Special 1024. Maintenance of Lighting Systems 1035-01-72	LS	1.000	1.000
1394	SPV.0105	Special 1034. Lighting System Survey 1035-01-72	LS	1.000	1.000
1442	SPV.0195	Special 0004. Select Subbase	TON	5,800.000	5,800.000

3

CPM PROGRESS SCHEDULE ITEMS

CATEGORY	STAGE	LOCATION	SPV.0060.0007	SPV.0060.0008
			BASELINE CPM PROGRESS SCHEDULE EACH	MONTHLY CPM PROGRESS SCHEDULE UPDATES EACH
1000	ALL	PROJECT 1035-01-72	0.01	9
TOTALS			0.01	9

REMOVING SMALL PIPE CULVERTS

CATEGORY	STATION	LOCATION	DESCRIPTION	203.0100 EACH
1000	344+16	RT	19"x30" X CPRCHE	1
	346+65	LT	24" X 61' CPCM	1
	349+46	LT	24" X 61' CPCM	1
	349+73	RT	24" X 110' CPCM	1
	349+74	LT/RT	24" X 68' CPCM	1
	351+39	RT	12" X 30' CPCM	1
	352+79	RT	12" X 20' CPCM	1
TOTAL				7

3

REMOVING ASPHALTIC SURFACE

CATEGORY	STAGE	ROADWAY	FROM STA	TO STA	204.0110 SY
1000	4B	7-MILE FAIR DRIVEWAY	341+18	341+44	86
	4C	7 MILE ROAD - SOUTH SIDE (ADJACENT TO EXISTING PIERS)	347+00	349+00	111
	4D	WEST MEDIAN AREA	334+00	341+35	3,135
	4D	EAST MEDIAN AREA	354+00	362+50	3,408
TOTAL					6,740

REMOVING CURB & GUTTER

CATEGORY	FROM STA	TO STA	OFFSET	204.0150 LF	REMARKS
1000	341+08	341+38	RT	30	EB 7-MILE ROAD
	340+97	341+20	LT	47	WB 7-MILE ROAD
	340+93	341+29	LT	36	MEDIAN ISLAND
	340+94	341+29	RT	40	MEDIAN ISLAND
TOTAL				153	

REMOVING FENCE

CATEGORY	ROADWAY	FROM STA	OFFSET	TO STA	OFFSET	204.0170 LF
1000	7 MILE ROAD	347+01	86' RT	349+05	85' RT	82
		347+05	24' LT	349+05	24' LT	79
		TOTAL				161

REMOVING CONCRETE SIDEWALK

CATEGORY	FROM STA	TO STA	OFFSET	204.0155 SY	REMARKS
1000	340+93	341+29	LT/RT	53	MEDIAN ISLAND
	341+08	341+29	RT	8	CURB RAMP
TOTAL				61	

REMOVING DELINEATORS AND MARKERS

CATEGORY	STATION - STATION	LOCATION	204.0180 EACH
1000	324+38 - 354+26	LT/RT	4
TOTAL			4

REMOVING STORM SEWER ITEMS

CATEGORY	STAGE	ROADWAY	STATION	OFFSET	204.0210	204.0220	204.0245			204.9060.S.0002	204.9060.S.0004
					REMOVING		REMOVING STORM SEWER			REMOVING	
					MANHOLES	INLETS	.0002	.0004	.0008	ENDWALL	INLET COVERS
					EACH	EACH	12-INCH	15-INCH	24-INCH	EACH	EACH
							LF	LF	LF		
1000	4	7 MILE ROAD									
			340+95 - 341+29	LT/RT	--	--	--	--	45	--	--
			341+29	RT	--	1	--	--	--	--	--
			341+76	79.0' LT	--	--	--	--	--	--	--
			341+90	16.5' LT	--	--	--	--	--	--	--
			342+19	16.5' LT	--	--	--	--	--	--	1
			342+30 - 342+50	16.5' LT	--	--	31	--	20	--	2
			342+50 - 342+64	RT	--	--	--	--	14	--	--
			342+64	RT	--	1	--	--	--	1	--
			345+15	48.5' LT	--	--	--	--	--	--	1
			346+40	39.5' LT	--	--	--	--	--	--	1
			346+60	39.5' RT	--	--	--	--	--	--	1
			346+80	8.7' RT	--	--	--	--	--	--	1
			349+66	RT	--	1	--	--	--	--	--
			349+76	26.9' LT	--	1	--	--	--	--	--
			349+78	RT	--	1	--	--	--	--	1
			349+79	11.4' LT	1	--	--	--	15	--	--
			349+69 - 350+27	12.9' RT	--	--	--	--	60	--	1
			350+27	RT	--	1	--	--	--	--	--
			350+30	12.2' LT	1	--	--	--	50	--	--
			352+00 - 352+50	LT/RT	--	--	61	--	--	1	--
			352+15 - 352+82	LT	--	--	--	85	--	1	--
			353+51	LT	1	--	--	--	--	--	--
		EXIT RAMP SE									
			1240+79 SE	19.3' RT	--	--	--	--	--	--	1
			1241+07 SE	1.2' RT	--	--	--	--	--	--	1
			1240+79 SE	18.5' LT	--	--	--	--	--	--	1
TOTALS					3	6	92	85	204	3	12

NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.

FINISHING ROADWAY

CATEGORY	STAGE	LOCATION	213.0100.0008
			EACH
1000	ALL	PROJECT 1035-01-72	1
TOTAL			1

REMOVING COVER PLATES

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET		204.9060.S.0012
			FT		EACH
1000	7 MILE ROAD				
	771	335+00	16.5	RT	1
	766	336+85	16.5	LT	1
	765	336+98	5.5	LT	1
	764	337+04	9.6	LT	1
	763	337+04	16.5	RT	1
	759	339+50	0.5	RT	1
	758	339+50	16.5	RT	1
	748	341+90	16.5	LT	1
	747	341+90	16.5	RT	1
	746	342+19	16.5	RT	1
	745	342+30	16.5	RT	1
	738	342+19	16.5	LT	1
	739	342+30	16.5	LT	1
	727	345+15	48.5	LT	1
	725	346+40	39.5	LT	1
	721	346+60	39.5	RT	1
	723	346+80	8.7	RT	1
	717	349+90	12.9	RT	1
	795	352+92	16.5	RT	1
	800	355+00	7.5	LT	1
	797	355+00	16.5	LT	1
	799	355+26	9.5	RT	1
	798	355+26	16.0	RT	1
	801	357+00	1.1	LT	1
	802	357+00	5.9	RT	1
	804	358+58	5.5	RT	1
	805	358+58	16.5	RT	1
	808	359+75	7.0	LT	1
	807	359+75	15.0	LT	1
	809	359+90	7.1	RT	1
	810	359+90	14.7	RT	1
	EXIT RAMP SE				
	629	1240+79 SE	19.3	RT	1
	630	1241+07 SE	1.2	RT	1
	631	1240+79 SE	18.5	LT	1
TOTAL					34

NOTES

1) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.

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EARTHWORK SUMMARY

CATEGORY	DIVISION	FROM / TO STATION	ROADWAY	(1)	(2)	(3)	(4)	CUMULATIVE WASTE CY	COMMENT	
				205.0100 EXCAVATION COMMON CY	SPV.0035.0008 EBS EXCAVATION CY	SPV.0035.0009 EBS BACKFILL CY	SPV.0035.0006 ROADWAY EMBANKMENT CY			MASS ORDINATE +/-
1000	1	341+50 - 353+50	EBS AT DITCH FILLS	0	368	368	0	0	USE 7 MILE WB CUT	
	1	1242NE+20 - 1242NE+55	RAMP NE	377	70	70	0	377	USE 7 MILE WB CUT	
	1	341+50 - 353+50	7 MILE ROAD WB	5,000	824	824	310	4,690	USE CUT BACKFILL / EBS	
	DIVISION 1 SUBTOTAL			5,378	1,262	1,262	310	5,068		
	2	343+50 - 353+50	EBS AT DITCH FILLS	0	99	99	0	0	5,068	USE 7 MILE EB CUT
	2	1240SE+76 - 1241SE+41	RAMP SE	1,070	180	180	0	1,070	6,138	USE 7 MILE EB CUT
	2	343+50 - 353+50	7 MILE ROAD EB	3,575	580	580	300	3,275	9,413	USE CUT BACKFILL / EBS
	DIVISION 2 SUBTOTAL			4,645	859	859	300	4,345		
	3	334+00 - 335+35	7 MILE ROAD MEDIAN	81	0	0	0	81	9,493	
	3	337+25 - 354+00	EBS AT DITCH FILLS	0	199	199	0	0	9,493	
	3	337+25 - 354+00	7 MILE ROAD MEDIAN	2,910	470	470	620	2,290	11,783	
	3	335+50 - 358+50	7 MILE ROAD MEDIAN	803	0	0	0	803	12,586	
	3	360+36 - 362+50	7 MILE ROAD MEDIAN	386	0	0	0	386	12,973	
	3	3239+25-3241+25	EAST FRONTAGE RD	242	0	0	38	204	13,176	BERM REMOVAL
	DIVISION 3 SUBTOTAL			4,422	669	669	658	3,763		
	4	335+35 -337+25	7 MILE ROAD MEDIAN	259	0	0	0	259	13,436	
	4	354+00 -355+50	7 MILE ROAD MEDIAN	286	0	0	0	286	13,721	
	4	358+50 -360+36	7 MILE ROAD MEDIAN	317	0	0	0	317	14,038	
DIVISION 4 SUBTOTAL			862	0	0	0	862			
TOTALS				15,306	2,790	2,790	1,268	14,038		

* ADDITIONAL QUANTITIES SHOWN ELSEWHERE
(1) EXCAVATION COMMON VOLUME INCLUDES CONCRETE AND ASPHALTIC SURFACE MATERIAL.
(2) EBS EXCAVATION TO BE BACKFILLED WITH EBS BACKFILL. ALL EBS MATERIAL IS ASSUMED TO BE WASTED OFFSITE
(3) ROADWAY EMBANKMENT = UNEXPANDED FILL
(4) THE MASS ORDINATE + OR - QUANTITY IS CALCULATED BY DIVISION. A POSITIVE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION AND A NEGATIVE NUMBER INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION. MASS ORDINATE = EXCAVATION COMMON (1) - ROADWAY EMBANKMENT (4). THE MASS ORDINATE IS FOR INFORMATIONAL PURPOSES ONLY AS COMMON EXCAVATION AND ROADWAY EMBANKMENT ARE NOT BALANCED FOR QUANTITY PURPOSES AND DOES NOT GUARANTEE THE QUALITY OF COMMON EXCAVATION, AND IF IT CAN BE REUSED ONSITE.

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BASE AGGREGATE ITEMS									
CATEGORY	ROADWAY	STATION	STATION	305.0125	312.0115	624.0100	645.0220	SPV.0195.0004	COMMENTS
				BASE AGGREGATE	SELECT	WATER	GEOGRID	SELECT	
				DENSE	CRUSHED				
				1 1/4-INCH	MATERIAL	MGAL	TYPE SR	SUBBASE	
				CY	CY		SY	TON	
1000	7 MILE ROAD WB								
		341+00 - 353+65		980	--	50	5,914	2,760	MAINLINE WASTE AS SUBBASE
		DWY AT STA 341+80 LT		10	--	--	--	--	
		TEMPORARY PAVEMENT		300	--	--	--	--	
SUBTOTAL				1,290	0	50	5,914	2,760	
	7 MILE ROAD EB								
		343+00 - 353+67		920	--	40	5,609	2,618	MAINLINE WASTE AS SUBBASE
SUBTOTAL				920	0	40	5,609	2,618	
	RAMP SE			75	190	--	451	210	
	RAMP NE			65	120	--	337	157	TRACKING MATS
	UNDISTRIBUTED			--	--	10	1,189	55	
TOTALS				2,350	310	100	13,500	5,800	

ASPHALTIC PAVEMENT ITEMS						
CATEGORY	ROADWAY	STATION	465.0120	465.0125	495.1000.S	644.1410.S
			ASPHALTIC	ASPHALTIC	COLD	TEMPORARY
			SURFACE	SURFACE	PATCH	PEDESTRIAN
			DRIVEWAYS AND	TEMPORARY		SURFACE
			FIELD ENTRANCES			ASPHALT
			TON	TON	TON	SF
1000	7 MILE ROAD WB					
		341+00 - 354+00	3	250	--	280
	UNDISTRIBUTED		--	--	10	--
TOTALS			3	250	10	280

CONCRETE ITEMS														
CAT.	ROADWAY	STATION	415.0075	415.0080	415.1080	416.0160	601.0409	601.0551	SPV.0090.0050	602.0410	602.0505	620.0300	715.0710	REMARKS
			CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CONCRETE	CURB RAMP	CONCRETE	OPTIMIZED	
			PAVEMENT	PAVEMENT	PAVEMENT	DRIVEWAY	CONCRETE	CONCRETE	CONCRETE	CONCRETE	DETECABLE	CONCRETE	AGGREGATE	
			7 1/2-INCH	8-INCH	8-INCH	6-INCH	30-INCH	4-INCH SLOPED	4-INCH SLOPED	5-INCH	FIELD YELLOW	SLOPED NOSE	INCENTIVE	
			SY	SY	SY	SY	TYPE A	36-INCH	60-INCH	5-INCH	SF	SF	DOL	
							LF	LF	LF	SF				
1000	7 MILE ROAD WB													
		341+00 - 353+65	4,423	--	--	19	2,240	--	--	4,350	16	368	5,473	MAINLINE
		DWY AT STA 341+80 LT	52	--	80	--	100	--	--	--	--	--	64	DRIVEWAY
SUBTOTAL			4,475	0	80	19	2,340	0	0	4,350	16	368	5,538	
	7 MILE ROAD EB													
		343+00 - 353+67	4,160	--	--	--	2,176	--	--	--	--	--	5,148	MAINLINE
		CURB RAMP AT STA 341+14 RT	--	--	--	--	30	--	--	110	16	--	--	CURB RAMP
SUBTOTAL			4,160	0	0	0	2,206	0	0	110	16	0	5,148	
	7 MILE ROAD MEDIAN													
		334+00 - 341+00	975	--	--	--	1,753	--	--	2,500	32	321	1,207	MEDIAN AREA
		354+00 - 362+52	2,090	--	--	--	946	352	290	3,700	--	820	2,586	MEDIAN AREA
SUBTOTAL			3,065	0	0	0	2,699	352	290	6,200	32	1,141	3,793	
	RAMP SE		--	325	--	--	95	170	--	220	--	60	293	
	RAMP NE		--	210	--	--	90	168	--	600	--	21	189	
TOTALS			11,700	535	80	19	7,430	690	290	11,480	64	1,590	14,960	

CONCRETE PAVEMENT JOINT FILLING				
CATEGORY	STATION	LOCATION	415.4100	REMARKS
			SY	
0010	334+00 - 362+52	LT/RT	12,170	PAVEMENT AREA
	334+00 - 362+52	LT/RT	1,990	CURB & GUTTER
TOTAL			14,160	
CONCRETE PAVEMENT JOINT LAYOUT				
CATEGORY	STAGE	LOCATION	415.5110.S.0006	
			LS	
1000	ALL	PROJECT 1035-01-72	1	
TOTAL			1	

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STORM SEWER PIPE ITEMS

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET FT		608.0312 608.0315 608.0324			608.0412	FROM STR	TO STR	INLET ELEV	DISCH ELEV	SLOPE	REMARKS
					STORM SEWER PIPE			STORM SEWER						
					REINFORCED CONCRETE CLASS-III			PIPE REINFORCED						
					12-INCH	15-INCH	24-INCH	CONCRETE CLASS-IV						
					LF	LF	LF	12-INCH						
					LF	LF	LF	LF						
7 MILE ROAD														
1000	707	352+82	75.0	LT	--	159	--	--	707	708	718.91	712.55	4.00%	
	708	351+25	48.5	LT	--	9	--	--	708	709	712.55	712.28	3.00%	
	709	351+16	48.5	LT	--	86	--	--	709	711	712.28	711.17	1.29%	
	710	350+60	48.5	RT	--	--	--	35	710	711	712.00	711.30	2.00%	
	711	350+57	13.6	RT	--	--	22	--	711	EXISTING	709.96	709.21	3.41%	
	715	349+90	41.5	LT	26	--	--	--	715	716	710.00	709.74	1.00%	
	716	349+90	15.2	LT	21	--	--	--	716	EXISTING	709.74	709.46	1.33%	
	722	347+00	4.3	LT	16	--	--	--	722	EXISTING	703.10	702.94	1.00%	
	729	344+75	48.5	RT	32	--	--	--	729	730	703.48	702.84	2.00%	
	730	344+75	16.5	RT	33	--	--	--	730	731	702.84	702.18	2.00%	
	731	344+75	16.5	LT	--	--	--	--	731	EXISTING	702.18	0.00	N/A	
	733	343+75	48.5	LT	17	--	--	--	733	EXISTING	701.77	701.44	2.00%	
	793	352+92	9.5	LT	--	--	--	15	793	794	721.30	721.23	0.50%	
	794	352+92	5.5	RT	--	--	--	11	794	EXISTING	721.23	721.17	0.50%	RECONNECT STORM SEWER
	811	342+25	48.4	LT	29	--	--	--	811	812	702.11	701.82	1.00%	
	812	341+96	48.3	LT	--	--	25	--	812	749	700.82	700.57	1.00%	RECONNECT STORM SEWER
	813	341+42	76.8	LT	--	41	--	--	813	814	702.56	702.15	1.00%	
	814	341+24	40.8	LT	--	29	--	--	814	754	702.15	701.86	1.00%	RECONNECT STORM SEWER
EXIT RAMP NE														
	705	1242+65 SE	30.9	RT	--	9	--	--	705	705A	710.11	710.02	1.00%	
	714	1242+48 SE	9.7	RT	29	--	--	--	714	715	710.29	710.00	1.00%	
TOTALS					203	333	47	61						

NOTES

- 1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE
- 2) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
- 3) PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES AND TO THE END OF PIPE AT APRON ENDWALLS (DOES NOT INCLUDE LENGTH OF ENDWALL).
- 4) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE COVER FOR MANHOLES.
- 5) STRUCTURE DEPTH = RIM ELEV - INVERT - CASTING HEIGHT - ADJUSTMENT
CASTING HEIGHT = 0.75 FT FOR J COVERS; 0.5 FT FOR HM AND S COVERS; 0.83 FT FOR TYPE V; 0.67 FOR TYPE B; 0 FT FOR TYPE MS COVERS
ADJUSTMENT (RINGS) = 0.33 FT FOR B, V, J, HM AND S COVERS; 0 FT FOR TYPE MS COVERS

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STORM SEWER STRUCTURE ITEMS

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET FT	611.2004 MANHOLES 4- FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4- FT DIAMETER EACH	611.0535 MANHOLE COVERS TYPE J-S EACH	611.0627 INLET COVERS TYPE HM EACH	611.0636 INLET COVERS TYPE HM-S EACH	611.0654 INLET COVERS TYPE V EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	611.8115 ADJUSTING INLET COVERS EACH	RIM OR FLANGE ELEV	STRUCTURE DEPTH FT	INVERT ELEV	REMARKS
7 MILE ROAD																
	707	352+82	75.0	LT	1	--	--	1	--	--	--	--	725.30	5.31	718.91	
	708	351+25	48.5	LT	1	--	--	--	1	--	--	--	718.93	5.55	712.55	SEE NOTE 7
	709	351+16	48.5	LT	1	--	--	--	1	--	--	--	718.64	5.53	712.28	SEE NOTE 7
	710	350+60	48.5	RT	--	1	--	--	1	--	--	--	716.85	2.50	713.52	
	711	350+57	13.6	RT	1	--	--	--	1	--	--	--	717.39	3.74	712.82	SEE NOTE 7
	713	350+27	11.4	RT	--	--	--	--	--	--	1	--	716.50	6.23	709.19	EXISTING STRUCTURE; ID: 1035-01-74
	715	349+90	41.5	LT	--	1	--	--	1	--	--	--	714.97	4.14	710.00	
	716	349+90	15.2	LT	--	1	--	--	1	--	--	--	715.19	4.35	710.01	
	717	349+90	12.9	RT	--	--	--	--	1	--	--	--	715.13	6.04	708.26	EXISTING STRUCTURE; ID: 1035-01-74
	718	349+04	64.0	RT	--	--	--	--	--	--	1	--	714.00	6.73	706.19	EXISTING STRUCTURE; ID: 1035-01-74
	719	349+04	17.0	RT	--	--	--	--	--	--	1	--	712.47	6.14	705.25	EXISTING STRUCTURE; ID: 1035-01-74
	720	346+93	17.0	RT	--	--	--	--	--	--	1	--	709.25	6.08	702.09	EXISTING STRUCTURE; ID: 1035-01-74
	721	346+60	39.5	RT	--	--	--	--	1	--	--	--	708.68	5.80	702.05	EXISTING STRUCTURE; ID: 1035-01-74
	722	347+00	4.3	LT	1	--	--	--	1	--	--	--	709.04	5.16	703.05	SEE NOTE 7
	723	346+80	8.7	RT	--	--	--	--	1	--	--	--	709.03	7.34	700.86	EXISTING STRUCTURE; ID: 1035-01-74
	725	346+40	39.5	LT	--	--	--	--	1	--	--	--	708.66	5.92	701.91	EXISTING STRUCTURE; ID: 1035-01-74
	726	346+32	24.0	LT	--	--	--	--	--	--	1	--	708.82	7.17	700.57	EXISTING STRUCTURE; ID: 1035-01-74
	727	345+15	48.5	LT	--	--	--	--	1	--	--	--	707.78	5.57	701.38	EXISTING STRUCTURE; ID: 1035-01-74
	728	345+15	24.0	LT	--	--	--	--	--	--	1	--	708.24	7.18	699.98	EXISTING STRUCTURE; ID: 1035-01-74
	729	344+75	48.5	RT	--	1	--	--	1	--	--	--	707.58	3.27	703.48	
	730	344+75	16.5	RT	--	1	--	--	1	--	--	--	708.16	4.49	702.84	
	731	344+75	16.5	LT	--	1	--	--	1	--	--	--	708.16	5.15	702.18	
	732	344+75	24.0	LT	--	--	--	--	--	--	1	--	708.04	8.26	699.78	EXISTING STRUCTURE; ID: 1035-01-74
	733	343+75	48.5	LT	--	1	--	--	1	--	--	--	707.08	4.48	701.77	
	734	343+75	24.0	LT	--	--	--	--	--	--	1	--	707.54	7.18	699.28	EXISTING STRUCTURE; ID: 1035-01-75
	737A	342+50	48.6	LT	--	--	--	--	1	--	--	--	706.52	0.00	--	EXISTING STRUCTURE; ID: 1035-01-75
	738	342+19	16.5	LT	--	--	--	--	--	1	--	--	707.02	2.83	703.36	EXISTING STRUCTURE; ID: 1035-01-75
	739	342+30	16.5	LT	--	--	--	--	--	1	--	--	707.02	3.05	703.14	EXISTING STRUCTURE; ID: 1035-01-75
	740	342+30	24.0	LT	--	--	--	--	--	--	1	--	706.90	7.27	698.55	EXISTING STRUCTURE; ID: 1035-01-75
	745	342+30	16.5	RT	--	--	--	--	--	1	--	--	707.02	3.05	703.14	EXISTING STRUCTURE; ID: 1035-01-75
	746	342+19	16.5	RT	--	--	--	--	--	1	--	--	707.02	3.16	703.03	EXISTING STRUCTURE; ID: 1035-01-75
	747	341+90	16.5	RT	--	--	--	--	1	--	--	--	707.06	4.49	701.74	EXISTING STRUCTURE; ID: 1035-01-75
	748	341+90	16.5	LT	--	--	--	--	1	--	--	--	707.06	4.83	701.4	EXISTING STRUCTURE; ID: 1035-01-75
	749	341+90	24.0	LT	--	--	--	--	--	--	1	--	706.94	7.51	698.35	EXISTING STRUCTURE; ID: 1035-01-75
	758	339+50	16.5	RT	--	--	--	--	1	--	--	--	708.7	3.53	704.34	EXISTING STRUCTURE; ID: 1035-01-75
	759	339+50	0.5	RT	--	--	--	--	1	--	--	--	708.36	3.51	704.02	EXISTING STRUCTURE; ID: 1035-01-75
	763	337+04	16.5	RT	--	--	--	--	1	--	--	--	707.13	3.59	702.71	EXISTING STRUCTURE; ID: 1035-01-75
	764	337+04	9.6	LT	--	--	--	--	1	--	--	--	706.43	3.03	702.57	EXISTING STRUCTURE; ID: 1035-01-75
	765	336+98	5.5	LT	--	--	--	--	1	--	--	--	706.57	3.49	702.25	EXISTING STRUCTURE; ID: 1035-01-75
	766	336+85	16.5	LT	--	--	--	--	1	--	--	--	706.82	4.08	701.91	EXISTING STRUCTURE; ID: 1035-01-75

STORM SEWER CONTINUED ON NEXT PAGE

STORM SEWER CONTINUED

STORM SEWER STRUCTURE ITEMS

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET FT		611.2004	611.3230	611.3004	611.0535	611.0627	611.0636	611.0654	611.8110	611.8115	RIM OR FLANGE ELEV	STRUCTURE DEPTH FT	INVERT ELEV	REMARKS
					MANHOLES 4-FT DIAMETER EACH	INLETS 2X3-FT EACH	INLETS 4-FT DIAMETER EACH	MANHOLE COVERS TYPE J-S EACH	INLET COVERS TYPE HM EACH	INLET COVERS TYPE HM-S EACH	INLET COVERS TYPE V EACH	ADJUSTING MANHOLE COVERS EACH	ADJUSTING INLET COVERS EACH				
1000	771	335+00	16.5	RT	--	--	--	--	1	--	--	--	--	703.53	4.15	698.55	EXISTING STRUCTURE; ID: 1035-01-75
	793	352+92	9.5	LT	--	1	--	--	1	--	--	--	--	723.43	1.30	721.30	
	794	352+92	5.5	RT	--	1	--	--	1	--	--	--	--	723.67	1.61	721.23	
	795	352+92	16.5	RT	--	--	--	--	1	--	--	--	--	724.10	2.10	721.17	EXISTING STRUCTURE; ID: 1035-01-71
	797	355+00	16.5	LT	--	--	--	--	1	--	--	--	--	727.73	2.90	724.00	EXISTING STRUCTURE; ID: 1035-01-71
	798	355+26	16.0	RT	--	--	--	--	1	--	--	--	--	728.02	3.19	724.00	EXISTING STRUCTURE; ID: 1035-01-71
	799	355+26	9.5	RT	--	--	--	--	1	--	--	--	--	727.35	2.68	723.84	EXISTING STRUCTURE; ID: 1035-01-71
	800	355+00	7.5	LT	--	--	--	--	1	--	--	--	--	727.32	3.27	723.22	EXISTING STRUCTURE; ID: 1035-01-71
	801	357+00	1.1	LT	--	--	--	--	1	--	--	--	--	729.14	2.70	725.61	EXISTING STRUCTURE; ID: 1035-01-71
	802	357+00	5.9	RT	--	--	--	--	1	--	--	--	--	729.24	2.88	725.53	EXISTING STRUCTURE; ID: 1035-01-71
	804	358+58	5.5	RT	--	--	--	--	1	--	--	--	--	730.25	2.51	726.91	EXISTING STRUCTURE; ID: 1035-01-71
	805	358+58	16.5	RT	--	--	--	--	1	--	--	--	--	730.68	3.18	726.67	EXISTING STRUCTURE; ID: 1035-01-71
	807	359+75	15.0	LT	--	--	--	--	1	--	--	--	--	731.60	2.89	727.88	EXISTING STRUCTURE; ID: 1035-01-71
	808	359+75	7.0	LT	--	--	--	--	1	--	--	--	--	731.07	2.52	727.72	EXISTING STRUCTURE; ID: 1035-01-71
	809	359+90	7.1	RT	--	--	--	--	1	--	--	--	--	730.95	2.82	727.30	EXISTING STRUCTURE; ID: 1035-01-71
	810	359+90	14.7	RT	--	--	--	--	1	--	--	--	--	731.71	3.74	727.14	EXISTING STRUCTURE; ID: 1035-01-71
	811	342+25	48.4	LT	--	1	--	--	1	--	--	--	--	706.44	3.50	702.11	
	812	341+96	48.3	LT	--	1	--	--	1	--	--	--	--	706.53	4.88	700.82	
	813	341+42	76.8	LT		--	1	--	--	1	--	--	--	707.39	4.00	702.56	SEE NOTE 7
	814	341+24	40.8	LT		--	1	--	1	--	--	--	--	706.98	4.00	702.15	SEE NOTE 7
UNDISTRIBUTED						--	--	--	--	--	--	--	4	--	--	--	
<u>EXIT RAMP NE</u>																	
	705	1242+65 NE	30.9	RT	1	--	--	--	1	--	--	--	--	715.27	4.33	710.11	SEE NOTE 7
	714	1242+48 NE	9.7	RT	--	1	--	--	--	1	--	--	--	714.77	3.65	710.29	
<u>EXIT RAMP SE</u>																	
	629	1240+79 SE	19.3	RT	--	--	--	--	--	--	1	--	--	714.19	2.82	710.21	
	630	1241+07 SE	1.2	RT	--	--	--	--	--	--	1	--	--	714.64	2.69	710.79	
	631	1240+79 SE	18.5	LT	--	--	--	--	--	--	1	--	--	714.88	6.43	708.45	
TOTALS					6	12	2	1	45	6	3	10	4				

NOTES

- 1) JOINT TIES FOR CONCRETE PIPE SHALL BE PROVIDED AT ALL CONCRETE APRON ENDWALLS. APRON ENDWALLS SHALL BE TIED FOR THE LAST THREE JOINTS AT PIPE ENDS. THE COST OF THESE TIES SHALL BE INCIDENTAL TO THE COST OF THE PIPE
- 2) STATIONS AND OFFSETS ARE TO THE CENTER OF STRUCTURES OR TO THE APRON END OF ENDWALLS.
- 3) PIPE LENGTHS ARE MEASURED TO THE CENTER OF STRUCTURES OR END OF PIPE (NOT THE APPRON END OF ENDWALLS)
- 4) RIM ELEVATIONS ARE GIVEN AT THE FLANGE LINE FOR INLET GRATES OR THE CENTER OF THE MANHOLE COVER FOR MANHOLES.
- 5) STRUCTURE DEPTH = RIM ELEV - INVERT - CASTING HEIGHT - ADJUSTMENT
CASTING HEIGHT = 0.75 FT FOR J COVERS; 0.5 FT FOR HM AND S COVERS; 0.83 FT FOR TYPE BW; 0.67 FOR TYPE B; 0 FT FOR TYPE MS COVERS
ADJUSTMENT (RINGS) = 0.33 FT FOR B, BW, J, HM AND S COVERS; 0 FT FOR TYPE MS COVERS
- 6) FLAT TOP SLAB WITH CENTERED OPENING REQUIRED ON ALL MANHOLES
- 7) FLAT TOP SLAB WITH CENTERED 24-INCH X 36-INCH RECTANGULAR OPENING REQUIRED ON ALL MANHOLES WITH TYPE HM OR TYPE HM-S INLET COVERS.
- 8) REMOVAL OF BULKHEAD IS INCIDENTAL TO PIPE ITEMS
- 9) LOCATIONS AND DEPTH OF EXISTING STRUCTURES AND PIPES SHALL BE VERIFIED IN THE FIELD

MOBILIZATION

3

CATEGORY	STAGE	LOCATION	619.1000 EACH
1000	ALL PROJECT	1035-01-72	0.01
	TOTAL		0.01

CATEGORY	ROADWAY	FROM TO		STATION	OFFSET	SPV.0060.0016
		STRUCTURE				EACH
1000	<u>7 MILE ROAD</u>	754	EX. INL	340+95	39.4 LT	1
		749	EX. MH	341+90	24.0 LT	1
		795	EX. INL	352+92	16.5 RT	1
		TOTALS				

CATEGORY	LOCATION	SPV.0060.0055												
		606.0200	628.1104	628.1504	628.1520	628.1905	628.1910	628.2002					SPV.0060.0056	
		RIPRAP	EROSION	SILT	SILT FENCE	EROSION	EROSION	EROSION	MAT	628.7005	628.7020	628.7560	TEMPORARY	SPV.0060.0056
		MEDIUM	BALES	FENCE	MAINTENANCE	CONTROL	CONTROL	CONTROL	CLASS I	INLET PROTECTION		TRACKING	SEDIMENT	SAND
		CY	EACH	LF	LF	EACH	EACH	TYPE A	TYPE A	TYPE D	PADS	TRAPS	BAGS	
								SY	EACH	EACH	EACH	EACH	EACH	
1000	<u>7 MILE ROAD</u>	--	--	320	640	1	2	1,450	63	70	2	2	--	
	<u>EXIT RAMP NE</u>	--	--	--	--	--	--	--	5	4	--	--	--	
	<u>EXIT RAMP SE</u>	--	--	--	--	--	--	--	4	3	--	--	--	
	UNDISTRIBUTED	10	50	80	160	2	2	360	7	13	1	2	20	
	TOTALS	10	50	400	800	3	4	1,810	79	90	3	4	20	

RESTORATION ITEMS

SPV.0085.0002										
				623.0200			625.0500	630.0200	SPV.0030.0001	SEEDING
				DUST CONTROL		SALVAGED		SEEDING	FERTILIZER	MIXTURE
				SURFACE	625.0100	TOPSOIL	627.0200	TEMPORARY	TYPE B	NO. 30
CATEGORY	ROADWAY	STATION	STATION	TREATMENT	TOPSOIL	TOPSOIL	MULCHING	LB	SPECIAL	SPECIAL
				SY	SY	SY	SY		CWT	LB
1000	<u>7 MILE ROAD</u>	334+00	- 362+53	12,300	3,800	3,000	5,400	184	5	184
	UNDISTRIBUTED			3,075	380	300	540	46	1	46
	TOTALS			15,375	4,180	3,300	5,940	230	6	230

SIGN REMOVAL SUMMARY

CATEGORY	SIGN #	638.2602	638.3000	# OF SIGNS REMOVED FROM SAME SUPPORT	REMARKS
		REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS		
		EACH	EACH		
1000	1R01	1	2	11	ALTERNATE SOUTH IH 41 ADVANCE ARROW RIGHT TURN ALTERNATE
		--	--	--	EAST IH 94 ADVANCE ARROW RIGHT TURN SOUTH WEST FRONTAGE ROAD ADVANCE ARROW RIGHT TURN
		1R02	1	1	DO NOT ENTER
	1R03	1	2	14	ALTERNATE NORTH IH 41 DIRECTIONAL ARROW ALTERNATE WEST FRONTAGE ROAD IH 94 DIRECTIONAL ARROW NORTH STH 241 DIRECTIONAL ARROW NORTH WEST FRONTAGE ROAD DIRECTIONAL ARROW
		--	--	--	JCT IH 41 JCT IH 94
		--	--	--	JCT STH 241 JCT NORTH JCT
	1R04	1	1	10	WEST FRONTAGE ROAD NORTH JCT ALTERNATE NORTH
		--	--	--	IH 41 ADVANCE ARROW LEFT TURN ALTERNATE WEST IH 94
		1R05	1	2	ADVANCE ARROW LEFT TURN NORTH STH 241 ADVANCE ARROW LEFT TURN NORTH

CATEGORY	SIGN #	638.2602	638.3000	# OF SIGNS REMOVED FROM SAME SUPPORT	REMARKS	
		REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS			
		EACH	EACH			
1000	1R05	--	--	--	WEST FRONTAGE ROAD ADVANCE ARROW LEFT TURN TO 27TH ST	
		1R06	1	2	11	ALTERNATE SOUTH
		--	--	--	--	IH 41 ADVANCE ARROW RIGHT TURN ALTERNATE EAST IH 94
		--	--	--	ADVANCE ARROW LEFT TURN SOUTH WEST FRONTAGE ROAD ADVANCE ARROW LEFT TURN	
		1R07	1	1	8	ALTERNATE
		--	--	--	--	NORTH IH 41 DIRECTIONAL ARROW ALTERNATE WEST
	1R08	--	--	--	IH 94 DIRECTIONAL ARROW NORTH STH 241	
		1R09	1	1	1	DIRECTIONAL ARROW CROSS ROAD SYMBOL
		2R01	1	2	14	ALTERNATE NORTH IH 41
		--	--	--	ADVANCE ARROW RIGHT TURN ALTERNATE WEST IH 94	
		--	--	--	--	ADVANCE ARROW RIGHT TURN NORTH STH 241 ADVANCE ARROW RIGHT TURN NORTH WEST FRONTAGE ROAD
		2R02	1	2	11	ADVANCE ARROW RIGHT TURN TO 27TH ST ALTERNATE SOUTH IH 41

CATEGORY	SIGN #	638.2602	638.3000	# OF SIGNS REMOVED FROM SAME SUPPORT	REMARKS	
		REMOVING SIGNS TYPE II	REMOVING SMALL SIGN SUPPORTS			
		EACH	EACH			
1000	2R02	--	--	--	DIRECTIONAL ARROW	
		--	--	--	ALTERNATE	
		--	--	--	EAST	
		--	--	--	IH 94	
		--	--	--	DIRECTIONAL ARROW	
		--	--	--	SOUTH	
		--	--	--	WEST FRONTAGE ROAD	
		--	--	--	DIRECTIONAL ARROW	
	2R03	1	2	11	ALTERNATE	
		--	--	--	SOUTH	
		--	--	--	IH 41	
		--	--	--	ADVANCE ARROW LEFT TURN	
		--	--	--	ALTERNATE	
		--	--	--	EAST	
		--	--	--	IH 94	
		--	--	--	ADVANCE ARROW LEFT TURN	
		--	--	--	SOUTH	
		--	--	--	WEST FRONTAGE ROAD	
		--	--	--	ADVANCE ARROW LEFT TURN	
		2R04	1	1	1	KEEP RIGHT
	2R05	1	1	1	RIGHT LANE MUST TURN RIGHT	
	2R06	1	--	1	ONE WAY	
	2R07	1	1	2	STOP	
		--	--	--	ALL-WAY	
	2R08	1	--	1	ONE WAY	
		2R09	1	1	3	STOP
		--	--	--	ALL-WAY	
		--	--	--	NO RIGHT TURN	
		2R10	1	1	2	DO NOT ENTER
			--	--	--	WRONG WAY
	2R11	1	1	6	TO	
		--	--	--	IH 41	
		--	--	--	DIRECTIONAL ARROW	
		--	--	--	TO	
		--	--	--	IH 94	
		--	--	--	DIRECTIONAL ARROW	
		2R12	1	2	11	ALTERNATE
			--	--	--	SOUTH
	--		--	--	IH 41	
	--		--	--	DIRECTIONAL ARROW	
	--	--	--	ALTERNATE		
	--	--	--	EAST		
	--	--	--	IH 94		
	--	--	--	DIRECTIONAL ARROW		
	--	--	--	SOUTH		
	--	--	--	WEST FRONTAGE ROAD		
	2R13	--	--	--	DIRECTIONAL ARROW	
		1	1	2	END	
2R14	--	--	--	STH 241		
	1	1	1	STOP AHEAD		

3

CATEGORY	SIGN #	638.2602	638.3000	# OF SIGNS REMOVED FROM SAME SUPPORT	REMARKS
		REMOVING SIGNS TYPE II EACH	REMOVING SMALL SIGN SUPPORTS EACH		
1000	3R06	1	1	2	STOP
		--	--	--	ALL-WAY
	3R07	1	1	1	TWO-WAY TRAFFIC
	3R08	1	--	1	WRONG WAY
	3R09	1	2	6	NORTH
		--	--	--	IH 41
		--	--	--	ADVANCE ARROW RIGHT TURN
		--	--	--	WEST
		--	--	--	IH 94
		--	--	--	ADVANCE ARROW RIGHT TURN
	3R10	1	2	1	CHICAGO/MILWAUKEE
	3R11	1	2	16	ALTERNATE
		--	--	--	SOUTH
		--	--	--	IH 41
		--	--	--	DIRECTIONAL ARROW
		--	--	--	ALTERNATE
		--	--	--	EAST
		--	--	--	IH 94
		--	--	--	DIRECTIONAL ARROW
		--	--	--	ALTERNATE
		--	--	--	NORTH
		--	--	--	IH 41
		--	--	--	DIRECTIONAL ARROW
		--	--	--	ALTERNATE
		--	--	--	WEST
		--	--	--	IH 94
		--	--	--	DIRECTIONAL ARROW
	3R12	1	1	3	STOP
		--	--	--	ALL-WAY
		--	--	--	NO RIGHT TURN
	3R13	1	1	2	DO NOT ENTER
		--	--	--	WRONG WAY
	3R14	1	--	1	ONE WAY
	3R15	1	1	2	STOP
		--	--	--	ALL-WAY
	3R16	1	1	2	STOP
		--	--	--	ALL-WAY
	3R17	1	--	1	ONE WAY
	3R18	1	2	6	ALTERNATE
		--	--	--	IH 41
		--	--	--	DIRECTIONAL ARROW
		--	--	--	ALTERNATE
		--	--	--	IH 94
		--	--	--	DIRECTIONAL ARROW
	3R19	1	1	2	DO NOT ENTER
		--	--	--	WRONG WAY
	3R20	1	2	11	ALTERNATE
		--	--	--	SOUTH
		--	--	--	IH 41
		--	--	--	ADVANCE ARROW RIGHT TURN

PROJECT NO: 1035-01-72	HWY: IH 94/7 MILE ROAD	COUNTY: RACINE	MISCELLANEOUS QUANTITIES	SHEET NO: 101	E
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PERMANENT SIGNING SUMMARY

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE	SIGN DIM	634.0618	637.2210	638.2230	638.2102	# OF SIGNS ON SAME POST	REMARKS
					POSTS WOOD 4X6-INCH X 18 FEET EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	Moving SIGNS TYPE II EACH		
1000	1-01	J2-4	(2)	96X69	2	46.00	--	--	15	TRAILBLAZER ASSEMBLY
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-4	(2)	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-5	(2)	24X12	--	--	--	--	--	TO
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-6	(2)	24X24	--	--	--	--	--	STH 241
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-95A	(2)	24X30	--	--	--	--	--	WEST FRONTAGE ROAD
	1-02	M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		J2-3	(2)	48X57	2	19.00	--	--	4	TRAILBLAZER ASSEMBLY
		MB2-1	(2)	21X15	--	--	--	--	--	JCT
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB2-1	(2)	21X15	--	--	--	--	--	JCT
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		J2-1	(2)	48X57	--	19.00	--	--	6	TRAILBLAZER ASSEMBLY
		M2-1	(2)	21X15	--	--	--	--	--	JCT
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-6	(2)	24X24	--	--	--	--	--	STH 241
	1-03	M2-1	(2)	21X15	--	--	--	--	--	JCT
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-95A	(2)	24X30	--	--	--	--	--	WEST FRONTAGE ROAD
		J2-3	(2)	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-4	(2)	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		J2-1	(2)	48X69	--	23.00	--	--	6	TRAILBLAZER ASSEMBLY
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-6	(2)	24X24	--	--	--	--	--	STH 241
	1-04	M5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-95A	(2)	24X30	--	--	--	--	--	WEST FRONTAGE ROAD
		M5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		--	--	15X60	--	6.25	--	--	--	TO 27TH ST
		J2-2	(2)	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB5-1R	(2)	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN

PERMANENT SIGNING SUMMARY CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE	SIGN DIM	634.0618 POSTS WOOD 4X6-INCH X 18 FEET EACH	637.2210 SIGNS TYPE II REFLECTIVE H SF	638.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	# OF SIGNS ON SAME POST	REMARKS
1000		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-2	(2)	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB5-1R	(2)	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
		J2-1	(2)	24X69	--	11.50	--	--	3	TRAILBLAZER ASSEMBLY
1-05		M3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-95A	(2)	24X30	--	--	--	--	--	WEST FRONTAGE ROAD
		M5-1R	(2)	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
		J2-3	(2)	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
1-06		MB3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-2	(2)	24X12	--	--	--	--	--	WEST
1-07		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		J2-1	(2)	48X69	--	23.00	--	--	7	TRAILBLAZER ASSEMBLY
		MB4-5	(2)	24X12	--	--	--	--	--	TO
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
2-01		M1-6	(2)	24X24	--	--	--	--	--	STH 241
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-95A	(2)	24X30	--	--	--	--	--	WEST FRONTAGE ROAD
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
2-02		J2-1	(2)	24X69	--	11.50	--	--	6	TRAILBLAZER ASSEMBLY
		MB4-5	(2)	24X12	--	--	--	--	--	TO
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-5	(2)	24X12	--	--	--	--	--	TO
2-03		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		W2-7L	(2)	30x30	1	--	6.25	--	--	TWO SPLIT SIDE ROADS (LEFT) SYMBOL
		D1-2	--	72X30	2	15.00	--	--	--	MILWAUKEE/CHICAGO
		J3-2	(2)	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
2-04		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	2	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
2-05		MB3-2	(2)	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		J3-1	2	24X69	--	11.50	--	--	3	TRAILBLAZER ASSEMBLY
		M3-3	(2)	24X12	--	--	--	--	--	SOUTH
2-06		M1-95A	(2)	24X30	--	--	--	--	--	WEST FRONTAGE ROAD
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		D1-1	--	60X30	--	12.50	--	--	--	CHICAGO
		J3-2	2	48X57	2	19.00	--	--	7	TRAILBLAZER ASSEMBLY
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH

PERMANENT SIGNING SUMMARY CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE	SIGN DIM	634.0618	637.2210	638.2230	638.2102	# OF SIGNS ON SAME POST	REMARKS
					POSTS WOOD 4X6-INCH X 18 FEET EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	SIGNS MOVING SIGNS TYPE II EACH		
1000		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB3-2	(2)	24X12	--	--	--	--	--	EAST
		M1-1	2	24X24	--	--	--	--	--	IH 94
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
2-05		J2-2	(2)	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-1	2	24X24	--	--	--	--	--	IH 41
		MB5-1R	(2)	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-4	(2)	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB5-1R	2	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
		J2-1	(2)	48X69	--	23.00	--	--	7	TRAILBLAZER ASSEMBLY
		MB4-5	(2)	24X12	--	--	--	--	--	TO
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-6	(2)	24X24	--	--	--	--	--	STH 241
		M5-1R	2	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
100		M1-95A	(2)	24X30	--	--	--	--	--	WEST FRONTAGE ROAD
		M5-1R	(2)	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
		0	()	15X60	--	6.25	--	--	--	TO 27TH ST
2M01		0	2	00X00	--	--	--	1	4	TO
		0	(2)	00X00	--	--	--	--	--	NORTH
		0	(2)	00X00	--	--	--	--	--	STH 241
2M02		0	(2)	00X00	--	--	--	--	--	DIRECTIONAL ARROW
		0	(2)	00X00	--	--	--	1	1	YIELD
		0	(2)	00X00	--	--	--	--	--	DO NOT ENTER
2-06		R5-1	2	36X36	1	9.00	--	--	2	DO NOT ENTER
		R5-1A	(2)	36X24	--	6.00	--	--	--	WRONG WAY
2-07		R6-2R	(2)	24X30	1	5.00	--	--	1	ONE WAY
2-08		R2-1	(2)	24X30	1	5.00	--	--	1	SPEED LIMIT 35
2-09		R3-2	(2)	24X24	1	4.00	--	--	1	NO LEFT TURN
2-10		R1-1	3	36X36	1	7.46	--	--	2	STOP
		R6-3	(2)	30X24	--	5.00	--	--	--	DIVIDED HIGHWAY
2-11		R1-1	(3)	36X36	1	7.46	--	--	2	STOP
		R6-3	(2)	30X24	--	5.00	--	--	--	DIVIDED HIGHWAY
2-12		R6-2L	(2)	24X30	1	5.00	--	--	1	ONE WAY
2-13		J2-2	2	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		MB4-1	2	24X12	--	--	--	--	--	ALTERNATE
		MB3-2	(2)	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		J2-1	(2)	24X69	--	11.50	--	--	3	TRAILBLAZER ASSEMBLY
		M3-3	2	24X12	--	--	--	--	--	SOUTH
		M1-95A	(2)	24X30	--	--	--	--	--	WEST FRONTAGE ROAD

PERMANENT SIGNING SUMMARY CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE	SIGN DIM	634.0618	637.2210	638.2230	638.2102	# OF SIGNS ON SAME POST	REMARKS
					POSTS WOOD 4X6-INCH X 18 FEET EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	SIGNS MOVING TYPE II EACH		
1000	2-13	M5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
	2-14	J2-2	(2)	48X57	1	19.00	--	--	6	TRAILBLAZER ASSEMBLY
		MB4-5	(2)	24X12	--	--	--	--	--	TO
		M1-1	2	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-5	(2)	24X12	--	--	--	--	--	TO
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
2-15		R3-1	2	24X24	1	4.00	--	--	1	NO RIGHT TURN
2-16		J2-4	(2)	60X96	2	40.00	--	--	12	TRAILBLAZER ASSEMBLY
		MB3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB4-20L	(2)	24X24	--	--	--	--	--	USE LEFT LANE
		MB3-4	2	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB4-20L	(2)	24X24	--	--	--	--	--	USE LEFT LANE
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB5-1R	2	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
		MB3-2	(2)	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB5-1R	(2)	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
2-17		J2-2	(2)	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
		MB4-1	2	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-2	2	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		J2-1	(2)	24X69	--	11.50	--	--	3	TRAILBLAZER ASSEMBLY
		M3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-95A	2	24X30	--	--	--	--	--	WEST FRONTAGE ROAD
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
2M03		0	(2)	00X00	--	--	--	1	1	KEEP RIGHT
2M04		0	(2)	00X00	--	--	--	1	6	PEDESTRIAN CROSSING
		0	(2)	00X00	--	--	--	--	--	DOWN ARROW RIGHT
		0	2	00X00	--	--	--	--	--	PUSH BUT. TO TURN ON WARN. LIGHTS
		0	(2)	00X00	--	--	--	--	--	PEDESTRIAN CROSSING
		0	(2)	00X00	--	--	--	--	--	DOWN ARROW LEFT
		0	(2)	00X00	--	--	--	--	--	PUSH BUT. TO TURN ON WARN. LIGHTS
	2-18	J3-2	(2)	48X57	2	19.00	--	--	6	TRAILBLAZER ASSEMBLY
		MB3-3	2	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB3-2	(2)	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	2	21X21	--	--	--	--	--	DIRECTIONAL ARROW
2-19		W12-1D	(2)	24X24	1	--	4.00	--	1	DOUBLE DIAGONAL ARROW

PERMANENT SIGNING SUMMARY CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE	SIGN DIM	634.0618	637.2210	638.2230	638.2102	# OF	REMARKS
					POSTS WOOD 4X6-INCH X 18 FEET EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	SIGNS MOVING TYPE II EACH	ON SAME SIGNS POST	
1000	2-20	R1-2	(2)	36X31	1	7.75	--	--	1	YIELD
	2-21	R5-1	(2)	30x30	1	6.25	--	--	2	DO NOT ENTER
		R5-1A	(2)	36x24	--	6.00	--	--	--	WRONG WAY
	2-22	R4-7	2	24X30	1	5.00	--	--	1	KEEP RIGHT
	2-23	J2-2	(2)	48X57	2	19.00	--	--	6	TRAILBLAZER ASSEMBLY
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		M5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		M3-4	2	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		M5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
2-24	R3-20LL	(2)	24X36	1	6.00	--	--	--	1	BEGIN LEFT TURN LANE
3-01	J3-2	(2)	48X57	2	19.00	--	--	--	7	TRAILBLAZER ASSEMBLY
		MB3-1	2	24X12	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB3-4	(2)	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	2	21X21	--	--	--	--	--	DIRECTIONAL ARROW
3-02	D1-1	--	72X15	--	7.50	--	--	--	--	MILWAUKEE
200	0	()	42X62	2	19.25	--	--	--	--	ACCESS TO 27TH ST USE WEST FRONTAGE RD
3-03	R6-2R	(2)	24X30	1	5.00	--	--	--	1	ONE WAY
3-04	J3-2	(2)	48X57	2	19.00	--	--	--	6	TRAILBLAZER ASSEMBLY
		MB3-1	2	24X12	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB3-4	(2)	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	2	21X21	--	--	--	--	--	DIRECTIONAL ARROW
3-05	J2-2	(2)	60X48	2	20.00	--	--	--	6	TRAILBLAZER ASSEMBLY
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		RB3-54L	(2)	24X24	--	--	--	--	--	USE LEFT LANE
		MB3-2	2	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		RB3-54L	(2)	24X24	--	--	--	--	--	USE LEFT LANE
3-06	W12-1D	(2)	24X24	1	--	4.00	--	--	1	DOUBLE DIAGONAL ARROW
3-07	J2-2	(2)	48X57	2	19.00	--	--	--	6	TRAILBLAZER ASSEMBLY
		MB3-1	2	24X12	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB5-1R	(2)	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
		MB3-4	(2)	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB5-1R	2	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
3-08	R1-2	(2)	36X31	1	3.88	--	--	--	1	YIELD
3-09	R3-2	(2)	24X24	1	4.00	--	--	--	1	NO LEFT TURN
3-10	R4-7	(2)	24X30	1	5.00	--	--	--	1	KEEP RIGHT
3-11	R3-7R	(2)	30X30	1	6.25	--	--	--	1	RIGHT LANE MUST TURN RIGHT
3-12	R4-7	2	24X30	1	5.00	--	--	--	1	KEEP RIGHT
3-13	R5-1	(2)	30X30	1	6.25	--	--	--	1	DO NOT ENTER

PERMANENT SIGNING SUMMARY CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE	SIGN DIM	634.0618	637.2210	638.2230	638.2102	# OF SIGNS ON SAME POST	REMARKS
					POSTS WOOD 4X6-INCH X 18 FEET EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	SIGNS MOVING TYPE II EACH		
1000	3-14	R5-1	(2)	30X30	1	6.25	--	--	1	DO NOT ENTER
	3-15	D1-2	--	72X30	--	15.00	--	--	1	MILWAUKEE/CHICAGO
	204	W14-2	(2)	30x30	1	6.25	--	--	1	NO OUTLET
	203	W14-2	2	30x30	1	6.25	--	--	1	NO OUTLET
	203a	M6-1 (MOD)	(2)	21X21	--	3.06	--	--	--	DIRECTIONAL ARROW
	205	0	()	66X36	2	16.50	--	--	--	FOLLOW IH-94 WEST TO ACCESS 27TH ST
	3-16	R3-20LL	(2)	24X36	1	6.00	--	--	1	BEGIN LEFT TURN LANE
	3-17	R3-7R	(2)	36X36	1	9.00	--	--	1	RIGHT LANE MUST TURN RIGHT
	3-18	J3-4	2	96X69	2	46.00	--	--	16	TRAILBLAZER ASSEMBLY
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-2	2	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	(2)	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-2	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	2	24X12	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-2	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	(2)	24X12	--	--	--	--	--	WEST
		M1-1	2	24X24	--	--	--	--	--	IH 94
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
	3-19	R4-7	(2)	24X30	1	5.00	--	--	1	KEEP RIGHT
	3-20	R5-1	(2)	36X36	1	9.00	--	--	2	DO NOT ENTER
		R5-1A	(2)	36X24	--	6.00	--	--	--	WRONG WAY
	3-21	R3-1	2	24X24	1	4.00	--	--	1	NO RIGHT TURN
	3-22	J2-2	(2)	69X48	2	23.00	--	--	4	TRAILBLAZER ASSEMBLY
		M4-5	(2)	24X12	--	--	--	--	--	TO
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-6	(2)	24X24	--	--	--	--	--	STH 241
		M6-1	2	21X21	--	--	--	--	--	DIRECTIONAL ARROW
	3-23	R1-1	(3)	36X36	1	7.46	--	--	2	STOP
		R6-3	(2)	30X24	--	5.00	--	--	--	DIVIDED HIGHWAY
	3-24	R1-1	(3)	36X36	1	7.46	--	--	2	STOP
		R6-3	(2)	30X24	--	5.00	--	--	--	DIVIDED HIGHWAY
	3-25	W12-1D	2	24X24	1	--	4.00	--	1	DOUBLE DIAGONAL ARROW
	3-26	R6-2L	(2)	24X30	1	5.00	--	--	1	ONE WAY
	3-27	R1-2	(2)	36X31	1	7.75	--	--	1	YIELD
	201	0	()	48X42	1	14.00	--	--	--	0
	3-28	R5-1	(2)	30X30	1	6.25	--	--	2	DO NOT ENTER
		R5-1A	2	36X24	--	6.00	--	--	--	WRONG WAY
	3-29	R2-1	(2)	24X30	1	5.00	--	--	1	SPEED LIMIT 35
	3-30	J2-2	(2)	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	2	24X24	--	--	--	--	--	IH 41
		MB5-1R	(2)	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN

3

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PERMANENT SIGNING SUMMARY CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE	SIGN DIM	634.0618	637.2210	638.2230	638.2102	# OF SIGNS ON SAME POST	REMARKS
					POSTS WOOD 4X6-INCH X 18 FEET EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	MOVING SIGNS TYPE II EACH		
1000		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-2	(2)	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB5-1R	2	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		J2-1	(2)	24X69	--	11.50	--	--	3	TRAILBLAZER ASSEMBLY
3-31		M3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-95A	(2)	24X30	--	--	--	--	--	EAST FRONTAGE ROAD
		M5-1R	(2)	21X21	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
		J2-2	2	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-1	(2)	24X21	--	--	--	--	--	NORTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		MB4-1	2	24X12	--	--	--	--	--	ALTERNATE
		MB3-4	(2)	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		J2-1	(2)	24X69	--	11.50	--	--	3	TRAILBLAZER ASSEMBLY
		M3-1	2	24X12	--	--	--	--	--	NORTH
		M1-95A	(2)	24X30	--	--	--	--	--	EAST FRONTAGE ROAD
3-32		M5-1L	(2)	21X21	--	--	--	--	--	ADVANCE ARROW LEFT TURN
202		R3-20LL	(2)	24X36	1	6.00	--	--	1	BEGIN LEFT TURN LANE
205a		W14-2	(2)	30x30	1	6.25	--	--	2	NO OUTLET
205a		M6-1 (MOD)	2	21X21	--	3.06	--	--	--	DIRECTIONAL ARROW
3-33		J3-2	(2)	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
3-34		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	2	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-2	(2)	24X12	--	--	--	--	--	EAST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		J3-1	2	24X69	--	11.50	--	--	3	TRAILBLAZER ASSEMBLY
		M3-3	(2)	24X12	--	--	--	--	--	SOUTH
		M1-95A	(2)	24X30	--	--	--	--	--	EAST FRONTAGE ROAD
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		J2-2	(2)	48X69	2	23.00	--	--	8	TRAILBLAZER ASSEMBLY
		MB4-1	2	24X12	--	--	--	--	--	ALTERNATE
		MB3-1	(2)	24X12	--	--	--	--	--	SOUTH
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		MB4-1	(2)	24X12	--	--	--	--	--	ALTERNATE
		MB3-4	2	24X12	--	--	--	--	--	WEST
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		MB6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW
		J2-1	(2)	24X69	2	11.50	--	--	3	TRAILBLAZER ASSEMBLY
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-95A	2	24X30	--	--	--	--	--	EAST FRONTAGE ROAD
		M6-1	(2)	21X21	--	--	--	--	--	DIRECTIONAL ARROW

3

3

PERMANENT SIGNING SUMMARY CONTINUED

CATEGORY	SIGN #	SIGN CODE	SIGN SIZE	SIGN DIM	634.0618	637.2210	638.2230	638.2102	# OF SIGNS ON SAME POST	REMARKS
					POSTS WOOD 4X6-INCH X 18 FEET EACH	SIGNS TYPE II REFLECTIVE H SF	SIGNS TYPE II REFLECTIVE F SF	MOVING SIGNS TYPE II EACH		
1000	206	W14-2	(2)	30x30	1	6.25	--	--	1	NO OUTLET
	206a	M6-1 (MOD)	(2)	21X21	--	3.06	--	--	--	DIRECTIONAL ARROW
	4-01	R3-20LL	(2)	24X36	1	6.00	--	--	1	BEGIN LEFT TURN LANE
	4-02	R4-7	2	24X30	1	5.00	--	--	1	KEEP RIGHT
	4M01	0	(2)	00X00	--	--	--	1	6	SOUTH
		0	(2)	00X00	--	--	--	--	--	EAST FRONTAGE ROAD
		0	(2)	00X00	--	--	--	--	--	ADVANCE ARROW LEFT TURN
		0	(2)	00X00	--	--	--	--	--	NORTH
		0	2	00X00	--	--	--	--	--	EAST FRONTAGE ROAD
		0	(2)	00X00	--	--	--	--	--	ADVANCE ARROW RIGHT TURN
	4-03	R4-7	(2)	24X30	1	5.00	--	--	1	KEEP RIGHT
	4-04	R3-20LL	(2)	24X36	1	6.00	--	--	1	BEGIN LEFT TURN LANE
	4-05	J2-3	(2)	48X39	2	19.00	--	--	4	TRAILBLAZER ASSEMBLY
		MB2-1	2	21X15	--	--	--	--	--	JCT
		M1-1	(2)	24X24	--	--	--	--	--	IH 41
		MB2-1	(2)	21X15	--	--	--	--	--	JCT
		M1-1	(2)	24X24	--	--	--	--	--	IH 94
		J2-1	(2)	24X57	--	9.50	--	--	3	TRAILBLAZER ASSEMBLY
		M2-1	2	21X15	--	--	--	--	--	JCT
		M3-1	(2)	24X12	--	--	--	--	--	NORTH
		M1-95A	(2)	24X30	--	--	--	--	--	EAST FRONTAGE ROAD
	4-06	R11-54F	(2)	48X30	1	10.00	--	--	1	RAMP CLOSED USE ALT ROUTE
	4-07	R5-1	(2)	30X30	1	6.25	--	--	2	DO NOT ENTER
	4-08	R5-1	2	30X30	1	6.25	--	--	2	DO NOT ENTER
TOTALS					105	1,226.39	18.25	5		

3

TRAFFIC CONTROL ITEMS																		
CATEGORY	STAGE	STAGE DURATION DAYS	643.0300 TRAFFIC CONTROL DRUMS		643.0420 TRAFFIC CONTROL BARRICADES TYPE III		643.0500 TRAFFIC CONTROL FLEXIBLE TUBULAR MARKER		643.0600 TRAFFIC CONTROL POSTS		643.0705 TRAFFIC CONTROL WARNING LIGHTS		643.0715 TRAFFIC CONTROL TYPE C		643.0900 TRAFFIC CONTROL SIGNS		643.1050 TRAFFIC CONTROL PCMS	
			EACH	DAYS	EACH	DAYS	EACH	EACH	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS	EACH	DAYS
1000	STAGE 4B	42	145	6,090	25	1,050	25	25	50	2,100	85	3,570	55	2,310	1	42		
	STAGE 4C	42	110	4,620	35	1,470	35	35	70	2,940	65	2,730	60	2,520	--	--		
	STAGE 4D	26	225	5,850	40	1,040	--	--	80	2,080	20	520	55	1,430	--	--		
	STAGE 4E	14	120	1,680	50	700	--	--	100	1,400	45	630	80	1,120	--	--		
	UNDISTRIBUTED		--	1,860	--	440	10	10	--	930	--	800	--	820	--	33		
TOTALS			20,100		4,700		70		70		9,450		8,250		8,200		75	

TRAFFIC CONTROL		
CATEGORY	PROJECT	643.5000 EACH
1000	7 MILE ROAD	0.01
TOTAL		0.01

3

PAVEMENT MARKING ITEMS

CATEGORY	ROADWAY	STATION	646.1020		646.1545		646.3545		646.5020	646.5120	646.6120	646.6220	646.7120	646.7420	646.8120	646.8220	SPV 0060.0080	
			MARKING LINE EPOXY 4-INCH	YELLOW	MARKING LINE GROOVED WET REF		MARKING LINE GROOVED WET REF											
					CONTRAST EPOXY 4 -INCH		CONTRAST EPOXY 8-INCH											
					DOT PATTERN WHITE		DOT PATTERN WHITE											
					WHITE	3-FOOT LINE	WHITE	3-FOOT LINE										
LF	LF	LF	9-FOOT SKIP	LF	9-FOOT SKIP	TYPE 2	WHITE	WHITE	WHITE	WHITE	WHITE	6-INCH	EPOXY	YELLOW	TYPE 2	TYPE 3		
6100																		
	7 MILE ROAD																	
		334+00 - 362+53	1,500	3,235	2,010	172	3,954	272	18	11	--	--	282	88	550	9	--	--
	EXIT RAMP SE																	
		1240+76 - 1241+41	100	58	--	--	134	--	--	--	20	15	--	--	--	--	1	1
	UNDISTRIBUTED		40	37	12	6	19	21	--	--	--	--	8	--	--	--	--	--
TOTALS			4,970		2,022		178		4,107		293		18		11		20	
					2,200				4,400								2	

TEMPORARY PAVEMENT MARKING ITEMS

		649.0150		649.0250			
		TEMPORARY MARKING LINE					
		REMOVABLE TAPE					
		4-INCH		8-INCH			
						649.0850	649.0970
						TEMPORARY MARKING	TEMPORARY MARKING
						STOP LINE REMOVABLE	REMOVABLE MASK OUT
						TAPE 18-INCH	TAPE 10-INCH
CATEGORY	LOCATION	WHITE	YELLOW	WHITE	WHITE	LF	LF
		LF	LF	LF	LF		
1000	STAGE 4B	3,720	3,900	180	30	15	--
	STAGE 4C	3,220	3,770	520	80	--	--
	STAGE 4D	720	4,960	250	40	25	--
	STAGE 4E	--	2,810	1,160	40	25	1,250
	TOTAL	23,100		2,300		65	1,250

DISPUTE RESOLUTION BOARD

		SPV.0055.0002	
CATEGORY	LOCATION	DOL	
1000	PROJECT	500	
TOTAL		500	

SAW CUTTING ITEMS

				690.0150	690.0250	REMARKS
				SAWING	SAWING	
				ASPHALT	CONCRETE	
CATEGORY	FROM	TO	OFFSET	LF	LF	
	STATION	STATION				
1000	334+00		LT/ RT	36	--	
	334+01		LT/ RT	36	--	
	334+00 - 341+00		LT	700	--	
	334+00 - 343+00		RT	900	--	
	341+00		LT	33	--	
	341+25 - 341+60		LT	35	--	DRIVEWAY
	341+00 - 346+85		LT	585	--	
	343+00		RT	32	--	
	343+00 - 347+20		RT	420	--	
	343+80 - 344+50		RT	--	70	DRIVEWAY
	343+80 - 344+50		LT/RT	--	40	CURB RAMPS
	345+80 - 347+30		RT	150	--	
	348+80 - 350+00		RT	120	--	
	348+80 - 362+50		RT	1,370	--	
	349+25 - 349+60		LT	35	--	
	351+40 - 354+00		LT	260	--	
	354+00		LT/ RT	115	--	
	354+00 - 362+50		LT	850	--	
	362+50		LT/ RT	36	--	
TOTALS				5,713	110	

PAVEMENT CLEANUP

		SPV.0075.0020	
		1035-01-72	
CATEGORY	STAGE	LOCATION	HRS
1000	ALL	7 MILE ROAD	50
TOTAL		50	

SURVEY PROJECT

		SPV.0105.0012	
		1035-01-72	
CATEGORY	STAGE	LOCATION	LS
1000	ALL	7 MILE ROAD	1
TOTAL		1	

FREEWAY LIGHTING - POLES

SYSTEM	POLE I. D. OR LOCATION	T.BASE AS BREAKAWAY OR SPLICE BOX OR SIGN STRUCTURE FOR INFO. ONLY	CATEGORY	1100	1100	1100	1100
			BOLT PROJECTION	654.0107 CONCRETE BASES TYPE 7	657.0330 POLES TYPE 7	657.0210 TRANS- FORMER BASES BREAKAWAY 15-17 INCH BOLT CIRCLE	SPV.0060.1021 REPLACE PLAQUE SEQUENCE IDENTIFICATION FOR EXISTING POLES
				EACH	EACH	EACH	EACH
HL-51-RM	ARM1/BRM1	BREAKAWAY	3-INCH	1	1	1	-
	ARM2/BRM2	BREAKAWAY	3-INCH	1	1	1	-
	ARM3/BRM3	BREAKAWAY	3-INCH	1	1	1	-
	ARM4/BRM4	BREAKAWAY	3-INCH	1	1	1	-
	ARM5	BREAKAWAY	3-INCH	1	1	1	-
	ERM14	BREAKAWAY	3-INCH	1	1	1	-
	FRM15	BREAKAWAY	3-INCH	1	1	1	-
	GRM16	BREAKAWAY	3-INCH	1	1	1	-
	HRM17	BREAKAWAY	3-INCH	1	1	1	-
	GRM18	BREAKAWAY	3-INCH	1	1	1	-
	HRM19/GRM19	BREAKAWAY	3-INCH	1	1	1	-
	CRM6	BREAKAWAY	3-INCH	-	-	-	1
	DRM7	BREAKAWAY	3-INCH	-	-	-	1
	CRM8	BREAKAWAY	3-INCH	-	-	-	1
	DRM9	BREAKAWAY	3-INCH	-	-	-	1
	CRM10	BREAKAWAY	3-INCH	-	-	-	1
	DRM11	BREAKAWAY	3-INCH	-	-	-	1
	DRM13	BREAKAWAY	3-INCH	-	-	-	1
	CRM12	BREAKAWAY	3-INCH	-	-	-	1
	GRM22	BREAKAWAY	3-INCH	-	-	-	1
	GRM23	BREAKAWAY	3-INCH	-	-	-	1
	GRM24/HRM24	BREAKAWAY	3-INCH	-	-	-	1
	HRM20	BREAKAWAY	3-INCH	-	-	-	1
	HRM21/GRM21	BREAKAWAY	3-INCH	-	-	-	1
	HRM25	BREAKAWAY	3-INCH	-	-	-	1
TOTAL				11	11	11	14

FREEWAY LIGHTING – ARMS AND LUMINAIRES

	CATEGORY	1100	1100	1100	1100
SYSTEM	POLE I. D. OR LOCATION	655.0610 ELECTRICAL WIRE LIGHTING 12 AWG	657.0635 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 10-FT	657.0640 LUMINAIRE ARMS SINGLE MEMBER 6-INCH CLAMP 15-FT	659.1125 LUMINAIRES UTILITY LED-C
		LF	EACH	EACH	EACH
HL-51-RM	ARM1/BRM1	220	2	-	2
	ARM2/BRM2	220	2	-	2
	ARM3/BRM3	220	2	-	2
	ARM4/BRM4	220	2	-	2
	ARM5	165	-	1	1
	ERM14	165	-	1	1
	FRM15	165	-	1	1
	GRM16	165	-	1	1
	HRM17	165	-	1	1
	GRM18	165	-	1	1
	HRM19/GRM19	220	2	-	2
	CRM6	-	-	-	1
	DRM7	-	-	-	1
	CRM8	-	-	-	1
	DRM9	-	-	-	1
	DRM13	-	-	-	1
	CRM12	-	-	-	1
	DRM11	-	-	-	1
	CRM10	-	-	-	1
	HRM24	-	-	-	1
	GRM24	-	-	-	1
	GRM23	-	-	-	1
	HRM25	-	-	-	1
	HRM20	-	-	-	1
	GRM21	-	-	-	1
	HRM21	-	-	-	1
	GRM22	-	-	-	1
TOTAL		2090	10	6	32

FREEWAY LIGHTING – CONDUIT AND WIRE						
SYSTEM	FROM	CATEGORY	1100	1100	1100	1100
		TO	652.0225	655.0620	655.0630	652.0235
			CONDUIT	ELECTRICAL	ELECTRICAL	CONDUIT
			RIGID	WIRE	WIRE	RIGID
			NONMETALLIC	LIGHTING	LIGHTING	NONMETALLIC
			SCHEDULE 40	8 AWG	4 AWG	SCHEDULE 40
			2-INCH			3-INCH
			LF	LF	LF	LF
HL-51-RM	ARM1/BRM1	LPB703	185	800	-	-
	LPB703	ARM2/BRM2	25	120	-	-
	ARM2/BRM2	ARM3/BRM3	220	920	-	-
	ARM3/BRM3	ARM4/BRM4	220	920	-	-
	ARM4/BRM4	ARM5	150	480	-	-
	HL-51-RM	LPB702	-	160	120	-
	HL-51-RM	LPB701	-	160	-	-
	LPB701	LPB703	-	300	-	-
	LPB702	LPB707	320	1320	990	-
	LPB707	LPB708	195	820	615	-
	LPB708	ERM14	8	40	10	-
	LPB708	LPB709	80	360	270	-
	LPB709	FRM15	50	240	180	-
	FRM15	LPB710	85	380	285	-
	LPB710	GRM16	200	210	630	-
	GRM16	LPB711	20	120	-	-
	LPB711	LPB712	95	420	-	-
	LPB712	HRM20	330	1360	-	-
	LPB712	LPB713	-	340	-	75
	LPB713	GRM18	-	480	-	110
	GRM18	HRM17	95	315	-	-
	LPB713	GRM19/HRM19	85	380	-	-
	ARM1/BRM1	STUBOUT	8	-	-	-
	ARM5	STUBOUT	5	-	-	-
	ERM14	STUBOUT	5	-	-	-
	GRM18	STUBOUT	5	-	-	-
TOTAL			2386	10645	3100	185

3

FREEWAY LIGHTING - REMOVAL						
CATEGORY		1100	1100	1100	1100	
SYSTEM		204.0195 REMOVING CONCRETE BASES	653.0905 REMOVING PULL BOXES	204.9060.1020 REMOVING LUMINAIRES	204.9060.S.1002 REMOVING LIGHTING UNITS	
	FROM	TO	EACH	EACH	EACH	EACH
HL-51-RM	LPB702	LPB719	-	-	-	-
	LPB719	LPB720	-	1	-	-
	LPB720	LPB716	-	1	-	-
	LPB716	LPB717	-	1	-	-
	LPB717	LPB718	-	1	-	-
	LPB718	HRM20	-	1	-	-
	CRM6	-	-	-	1	-
	DRM7	-	-	-	1	-
	CRM8	-	-	-	1	-
	DRM9	-	-	-	1	-
	DRM13	-	-	-	1	-
	CRM12	-	-	-	1	-
	DRM11	-	-	-	1	-
	CRM10	-	-	-	1	-
	HRM24	-	-	-	1	-
	GRM24	-	-	-	1	-
	GRM23	-	-	-	1	-
	HRM25	-	-	-	1	-
	HRM20	-	-	-	1	-
	GRM21	-	-	-	1	-
	HRM21	-	-	-	1	-
	GRM22	-	-	-	1	-
	ARM26	-	1	-	-	1
	BRM27	-	1	-	-	1
TOTAL			2	5	16	2

FREEWAY LIGHTING – MISCELLANEOUS				
CATEGORY		1100	1100	1100
DESCRIPTION		SPV.0105.1014 LIGHTING SYSTEM INTEGRATOR 1035-01-72	SPV.0105.1034 LIGHTING SYSTEM SURVEY 1035-01-72	SPV.0105.1024 MAINTENANCE OF LIGHTING SYSTEMS 1035-01-72
		LS	LS	LS
CONTRACT 1035-01-72		1	1	1
TOTAL		1	1	1
FREEWAY LIGHTING – PULL BOXES				
SYSTEM	DESCRIPTION	STATION	CATEGORY OFFSET	1100 653.0140 PULL BOXES STEEL 24X42-INCH EACH
HL-51-RM	LPB707	343+80	55RT	1
	LPB708	1240SW+99	43LT	1
	LPB709	1240SW+94	32RT	1
	LPB710	347+49	66RT	1
	LPB711	1241SE+07	31LT	1
	LPB712	1241SE+18	60RT	1
	LPB713	350+38	3LT	1
TOTAL				7

3

SCHEDULE OF LANDS & INTERESTS REQUIRED					
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES)	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
1	RANDOLPH B. & MARY DOLENSEK	FEE, AR, TLE	0.045	--	0.045
2	KIMMEL TRUST & MARY E. KIMMEL	FEE, AR	2.412	--	2.412
3	THE MARVEL E. KRON SURVIVORS TRUST, ET AL	AR, TLE	--	--	0.170
4	DASADA PROPERTY MANAGEMENT, LLC	AR, TLE	--	--	0.029
5	JEROME M. HRIBAR	FEE, AR, TLE	0.063	--	0.063
101	WE ENERGIES - GAS	ROR	--	--	--

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	I101-I131	1956	VARIES
7 MILE ROAD	I101-I131	1956	50'
7 MILE ROAD	CERTIFIED SURVEY MAP 2603	2004	33'
6 1/2 MILE ROAD	--	--	66' BY SS 82.31(2)

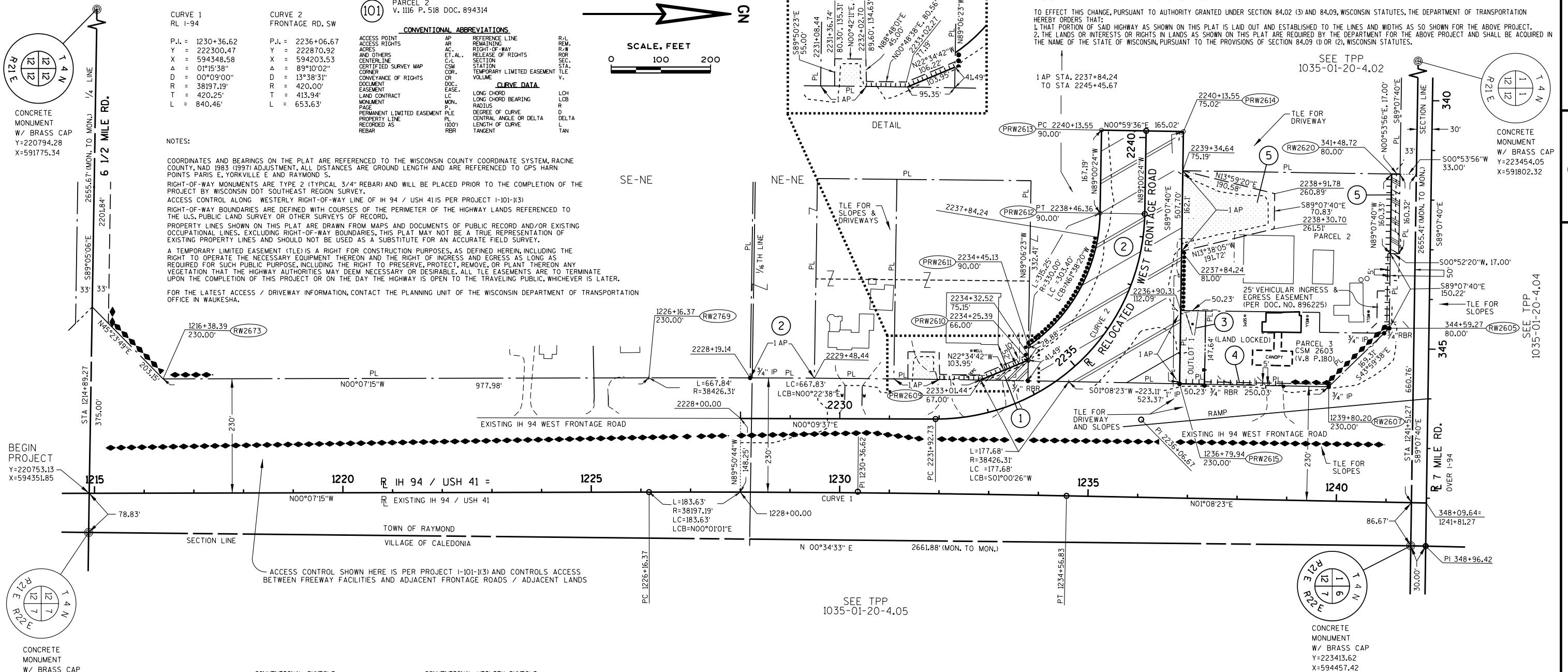
TRANSPORTATION PROJECT PLAT NO: 1035-01-20 - 4.01

THAT PART OF PARCELS 2, 3, & OUTLOT 1 OF CSM NO. 2603 AND THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 12, TOWNSHIP 4 NORTH, RANGE 21 EAST, IN THE TOWN OF RAYMOND, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 @ 7 MILE ROAD RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS



Milwaukee Transportation Partners

DATE: 03/09/2010

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

DATE: 3-11-2010

PRINTED NAME: Craig Andersen

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1035-01-20-4.01
AMENDMENT NO:

DOCUMENT # 2245536
RACINE COUNTY REGISTER OF DEEDS
March 24, 2010 11:14 AM

JAMES A. LABWIG
REGISTER OF DEEDS
Fee Amount: \$25.00
Page: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED						OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.			
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES)			T.L.E. PERM. ACRES	P.L.E. PERM. ACRES		
2	KIMMEL TRUST & MARY E. KIMMEL	FEE, AR, TLE	NEW	EXISTING	TOTAL				
6	7 MILE FAIR, INC.	FEE, AR	1.710	0.761	2.471	0.162	--	--	--
7	JEFFERY A. & KATHLEEN ROZANSKE	FEE, TLE	0.966	--	0.966	--	--	--	--
8	LE ROY A. & COLETTE M. BARTH	FEE	0.397	0.354	0.751	0.029	--	--	--
9	GAIL T. OSGOOD, VENDOR AND JEFFREY A. ROZANSKE, VENDEE	FEE, TLE	0.177	0.158	0.335	--	--	--	--
			0.189	0.250	0.439	0.028	--	--	--

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
WEST FRONTAGE ROAD	1032-13-20	1999	100'
7 MILE ROAD	CERTIFIED SURVEY MAP 2603	2004	33'
7 MILE ROAD	--	--	66' BY SS 82.31(2)

LOT#	PARCEL#
2	012-04-21-12-002-000
2	012-04-21-12-005-000
6	012-04-21-12-001-010
7	012-04-21-12-009-000
8	012-04-21-12-010-000
9	012-04-21-12-012-000

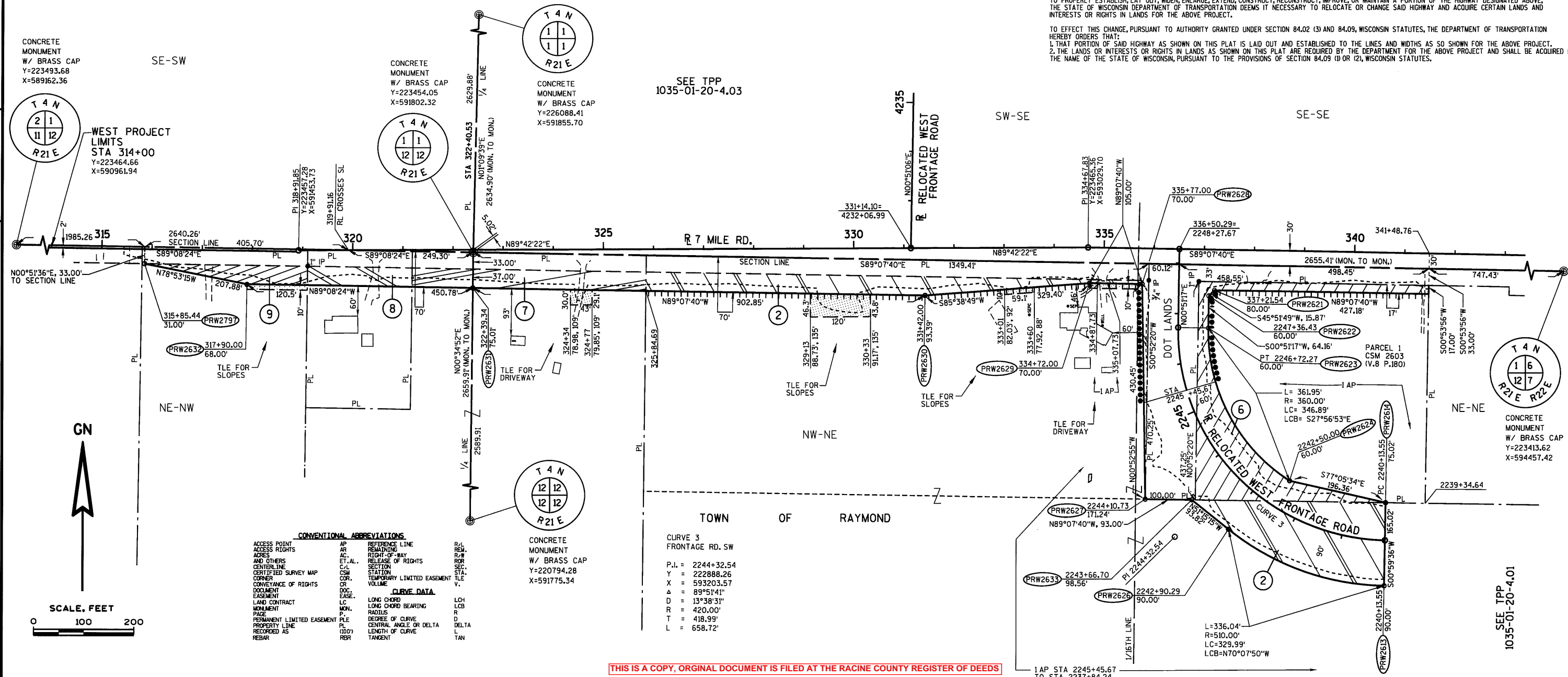
TRANSPORTATION PROJECT PLAT NO: 1035-01-20 - 4.02

THAT PART OF PARCEL 1 OF CSM NO. 2603 AND THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF SECTION 12, TOWNSHIP 4 NORTH, RANGE 21 EAST, IN THE TOWN OF RAYMOND, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 @ 7 MILE ROAD RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



[THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS]

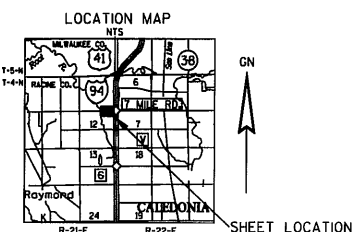
CONVENTIONAL ABBREVIATIONS		CONVENTIONAL UTILITY SYMBOLS	
ACCESS POINT	AP	WATER	W
ACCESS RIGHTS	AR	GAS	G
ACRES	AC	TELEPHONE	T
AND OTHERS	ET AL.	OVERHEAD TRANSMISSION LINES	OH
CENTERLINE	C/L	ELECTRIC	E
CERTIFIED SURVEY MAP	CSM	CABLE TELEVISION	TV
CORNER	COR.	FIBER OPTIC	FO
CONVEYANCE OF RIGHTS	CR	SANITARY SEWER	SAN
DOCUMENT	DOC	STORM SEWER	SS
EASEMENT	EASE	POWER POLE	PP
LAND CONTRACT	LC	TELEPHONE POLE	TP
MONUMENT	MON.	TELEPHONE PEDESTAL	TPD
PERMANENT LIMITED EASEMENT	P.L.E.	ELECTRIC TOWER	ET
PROPERTY LINE	PL		
RECORDED AS	(DO)		
REBAR	RBR		

NOTES:
COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT, ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4\"



Milwaukee Transportation Partners
DATE: 06/17/2010
(SIGNATURE) KEVIN M. CORNNELL
AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC
R.L.S. NUMBER 2150
THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.
DATE: 6-28-2010
(SIGNATURE) CRAIG ANDERSEN
(PRINTED NAME) Craig Andersen

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1035-01-20-4.02
AMENDMENT NO:
Vol 1 Pg 119
DOCUMENT # 2255668
RACINE COUNTY REGISTER OF DEEDS
July 19, 2010 8:56 AM
JAMES A. LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: \$25.00
Pages: 1



SCHEDULE OF LANDS & INTERESTS REQUIRED							OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.		
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES)			TILE TEMP. ACRES	P.L.E. PERM. ACRES		
2	KIMMEL TRUST & MARY E. KIMMEL	FEE, AR, TLE	1.710	0.761	2.471	0.162	--		
6	7 MILE FAIR, INC.	FEE, AR	0.966	--	0.966	--	--		
7	JEFFERY A. & KATHLEEN ROZANSKE	FEE	0.397	0.354	0.751	--	--		
8	LE ROY A. & COLETTE M. BARTH	FEE	0.177	0.158	0.335	--	--		
9	GAIL T. OSGOOD, VENDOR AND JEFFREY A. ROZANSKE, VENDEE	FEE, TLE	0.189	0.250	0.439	0.028	--		

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
WEST FRONTAGE ROAD	1032-13-20	1999	100'
7 MILE ROAD	CERTIFIED SURVEY MAP 2603	2004	33'
7 MILE ROAD	--	--	66' BY SS 82.3(2)

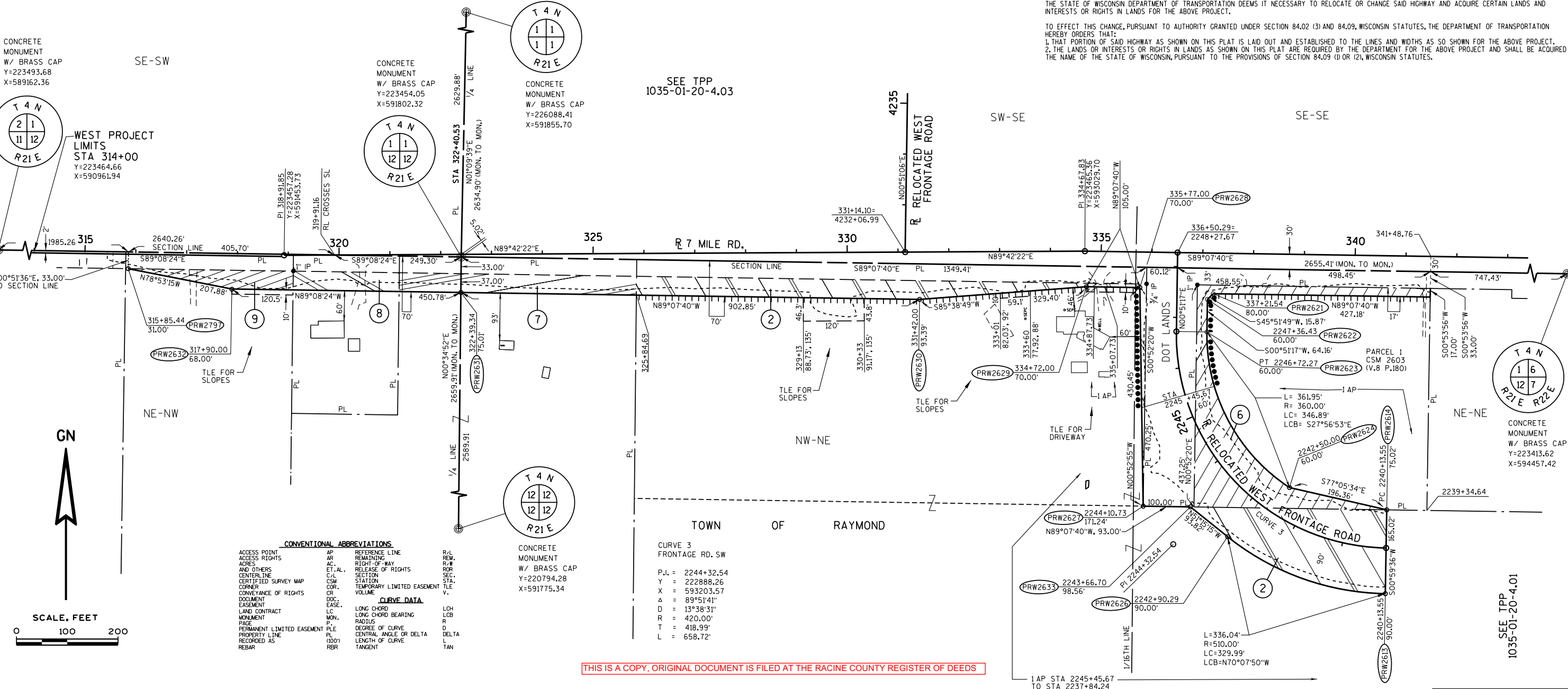
TRANSPORTATION PROJECT PLAT NO: 1035-01-20 - 4.02 AMENDMENT NO: 1

AMENDS PARCEL 7 OF TPP 1035-01-20-4.02, RECORDED AS DOCUMENT 2255668

THAT PART OF PARCEL 1 OF CSM NO. 2603 AND THAT PART OF THE NORTHEAST 1/4 OF THE NORTHEAST 1/4 AND THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SECTION 12, TOWNSHIP 4 NORTH, RANGE 21 EAST, IN THE TOWN OF RAYMOND, RACINE COUNTY, WISCONSIN.
RELOCATION ORDER IH 94 @ 7 MILE ROAD RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



[THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS]

CONVENTIONAL ABBREVIATIONS			
ACCESS POINT	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R.O.W.
AND OTHERS	ET AL.	RELEASE OF RIGHTS	R.O.R.
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
CONVEYANCE OF RIGHTS	CONV.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.		
LAND CONTRACT	LC	LONG CHORD	LCB
MONUMENT	MON.	LONG CHORD BEARING	LCB
PAGE	PAGE	RADIUS	R
PERMANENT LIMITED EASEMENT	P.L.E.	DEGREE OF CURVE	D
PROPERTY LINE	PL	CENTRAL ANGLE OR DELTA	Δ
RECORDED AS	REC.	LENGTH OF CURVE	L
REBAR	RBR	TANGENT	TAN

CONVENTIONAL SYMBOLS		CONVENTIONAL UTILITY SYMBOLS	
FOUND IRON PIPE/PIN	IFP	WATER	W
R/W MONUMENT	○	GAS	G
R/W STANDARD	△	TELEPHONE	T
SIGN	□	OVERHEAD TRANSMISSION LINES	OH
SECTION CORNER MONUMENT	⊙	ELECTRIC	E
FEE (HATCH VARIES)	///	CABLE TELEVISION	TV
TEMPORARY LIMITED EASEMENT	---	FIBER OPTIC	FO
PERMANENT LIMITED EASEMENT	---	SANITARY SEWER	SAN
R/W BOUNDARY POINT	●	STORM SEWER	SS
PARCEL NUMBER	100		
STATION NUMBER (OFF PREMISE)	21		
BUILDING	■		

NOTES:
COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT, ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES, EXCLUDING RIGHT-OF-WAY BOUNDARIES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.
A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE 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 NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.



Milwaukee Transportation Partners LLC

DATE 08/23/2010

(SIGNATURE) KEVIN M. CORNNELL
AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC
R.L.S. NUMBER 2150

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE MILWAUKEE RELOCATION OF TRANSPORTATION SOUTHEAST REGION.

DATE 8-26-2010

(SIGNATURE) Craig Andersen
(PRINTED NAME) Craig Andersen

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1035-01-20-4.02
AMENDMENT NO: 1

Vol 1 Pg 126

DOCUMENT # 2262147
RACINE COUNTY REGISTER OF DEEDS
September 22, 2010 10:19 AM

JAMES A. LABWIE
RACINE COUNTY REGISTER OF DEEDS
Fee Amount: \$25.00
Pages: 3

SCHEDULE OF LANDS & INTERESTS REQUIRED					OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT				
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES)			T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES		
6	7 MILE FAIR, INC.	FEE, PLE, AR, TLE	3.944	1.257	5.201	1.315	0.330		
10	MICHAEL J. & TAMMY L. WARGOLET	FEE, TLE	0.00	0.076	0.076	0.016	---		
11	JACOB R. & MONICA S. DINAUER	FEE, TLE	0.00	0.076	0.076	0.016	---		
12	MICHAEL S. & STEPHANIE M. HOOD, & CHARLES L. NILES	FEE, TLE	0.021	0.133	0.154	0.037	---		
13	GARY A. & JOSEFINE FALKOWSKI	FEE	0.178	0.229	0.407	---	---		
14	NEW WISCONSIN SERVICES, LP	FEE, TLE	1.264	---	1.264	0.479	---		
100	WE ENERGIES - DISTRIBUTION	ROR	---	---	---	---	---		
101	WE ENERGIES - GAS	ROR	---	---	---	---	---		

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
7 MILE ROAD	--	--	66' BY SS 82.13(2)

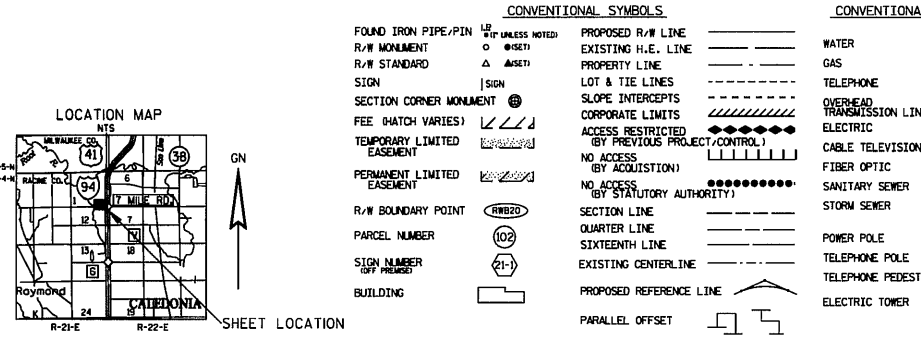
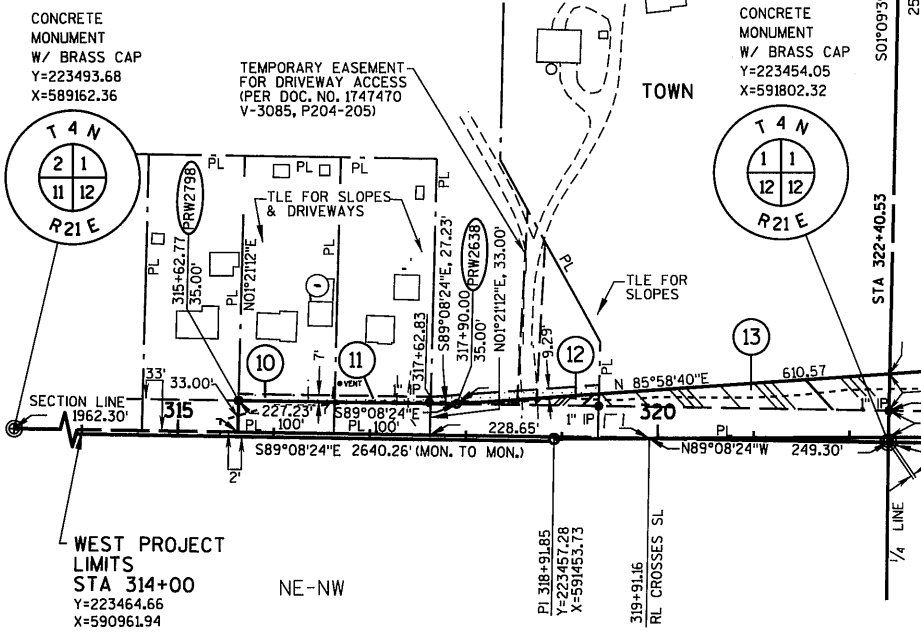
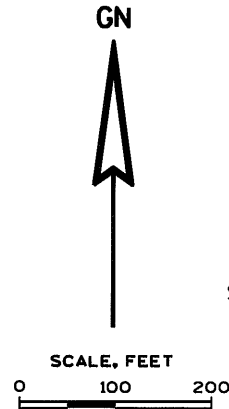
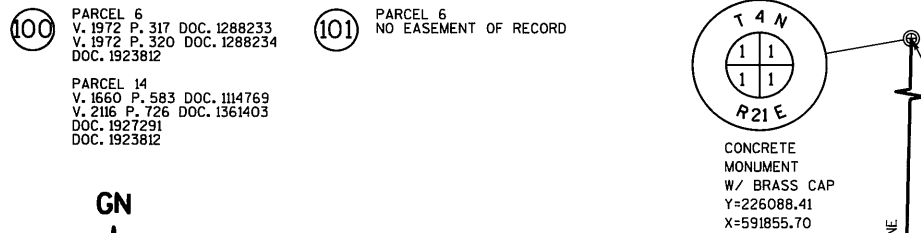
TRANSPORTATION PROJECT PLAT NO: 1035-01-20 - 4.03

THAT PART OF THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 1, TOWNSHIP 4 NORTH, RANGE 21 EAST, IN THE TOWN OF RAYMOND, RACINE COUNTY, WISCONSIN. RELOCATION ORDER IH 94 @ 7 MILE ROAD RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



CURVE 4
FRONTAGE RD. NW

P.L. = 4239+34.94
Y = 224191.42
X = 592686.79
A = 88°50'36"
D = 13°38'31"
R = 420.00'
T = 411.61'
L = 651.26'

THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS

NOTES:

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPANCY LINES, EXCLUDING RIGHT-OF-WAY BOUNDARIES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE 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 NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.



Milwaukee Transportation Partners

DATE: 06/17/2010

DATE: 6-28-2010

PRINTED NAME: Craig Anderson

RESERVED FOR REGISTER OF DEEDS

PROJECT NUMBER 1035-01-20-4.03

AMENDMENT NO:

Vol 1. Pg 120

DOCUMENT # 2255669

RACINE COUNTY REGISTER OF DEEDS

July 19, 2010 9:13 AM

JAMES A. LADWIG

RACINE COUNTY

REGISTER OF DEEDS

Fee Amount: \$25.00

Page: 1

SCHEDULE OF LANDS & INTERESTS REQUIRED						OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.			
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES)			TILE TEMP. ACRES	P.L.E. PERM. ACRES		
6	7 MILE FAIR, INC.	FEE, AR, TLE	0.863	0.310	1.173	0.267	--		
14	NEW WISCONSIN SERVICES, LP	FEE, AR, TLE	0.783	--	0.783	0.434	--		
15	PAUL FERGUSON	FEE, AR	0.083	--	0.083	--	--		
100	WE ENERGIES - DISTRIBUTION	ROR	--	--	--	--	--		
101	WE ENERGIES - GAS	ROR	--	--	--	--	--		
102	AT&T WISCONSIN	ROR	--	--	--	--	--		
105	AMERICAN TRANSMISSION COMPANY	ROR	--	--	--	--	--		

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	I101-K3	1956	VARIES
7 MILE ROAD	I101-K3	1956	56'
7 MILE ROAD	--	--	66' BY SS 82.13(2)

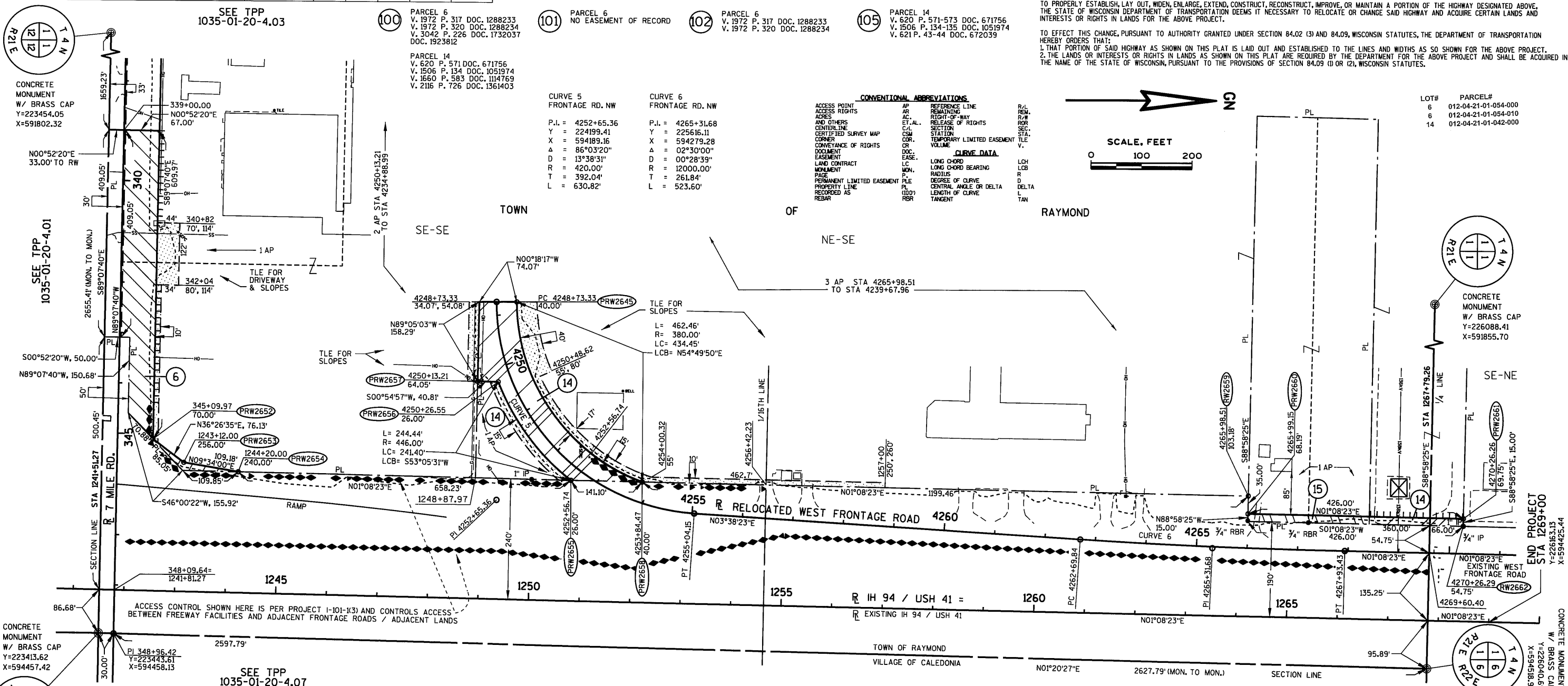
TRANSPORTATION PROJECT PLAT NO: 1035-01-20 - 4.04

THAT PART OF THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 1, TOWNSHIP 4 NORTH, RANGE 21 EAST, IN THE TOWN OF RAYMOND, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 @ 7 MILE ROAD RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



CONVENTIONAL SYMBOLS		CONVENTIONAL UTILITY SYMBOLS	
FOUND IRON PIPE/PIN	⊕	WATER	— W —
R/W MONUMENT	⊙	GAS	— G —
R/W STANDARD	⊙	TELEPHONE	— T —
SIGN	⊙	OVERHEAD TRANSMISSION LINES	— OH —
SECTION CORNER MONUMENT	⊙	ELECTRIC	— E —
FEE (HATCH VARIES)	⊙	CABLE TELEVISION	— TV —
TEMPORARY LIMITED EASEMENT	⊙	FIBER OPTIC	— FO —
PERMANENT LIMITED EASEMENT	⊙	SANITARY SEWER	— SAN —
R/W BOUNDARY POINT	⊙	STORM SEWER	— SS —
PARCEL NUMBER	⊙	POWER POLE	⊙
SIGN NUMBER	⊙	TELEPHONE POLE	⊙
BUILDING	⊙	TELEPHONE PEDESTAL	⊙
HOLDING TANK	⊙	ELECTRIC TOWER	⊙

NOTES:
COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT, ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4\" R) REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.
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ACCESS CONTROL ALONG WESTERLY RIGHT-OF-WAY LINE OF IH 94 / USH 41S PER PROJECT I-101-K3
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.



Milwaukee Transportation Partners LLC

DATE: 05/17/2010

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

DATE: 6-28-2010

PRINTED NAME: Craig Andersen

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1035-01-20-4.04
AMENDMENT NO:

Vol 1 Pg 121

DOCUMENT # 2255670
RACINE COUNTY REGISTER OF DEEDS
July 19, 2010 9:17 AM

JAMES A. LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: \$25.00

TRANSPORTATION PROJECT PLAT NO: 1035-01-20 - 4.04 AMENDMENT NO: 1
AMENDS PARCEL 14 AND ADDS PARCEL 44 OF TPP 1035-01-20-4.04, RECORDED AS DOCUMENT 2255670

THAT PART OF THE NORTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE SOUTHEAST 1/4 AND THE SOUTHEAST 1/4 OF THE NORTHEAST 1/4 OF SECTION 1, TOWNSHIP 4 NORTH, RANGE 21 EAST, IN THE TOWN OF RAYMOND, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 @ 7 MILE ROAD RACINE COUNTY

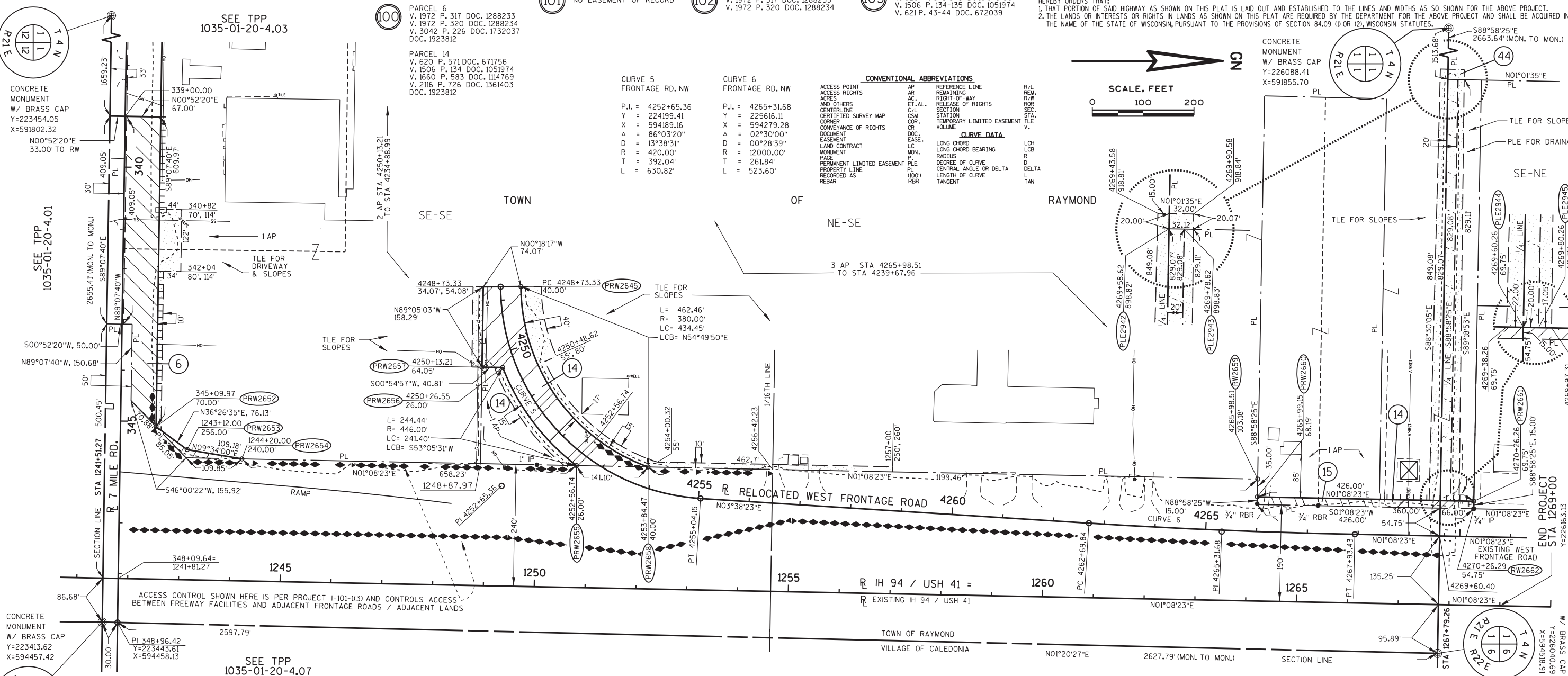
TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED					
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES)	T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
6	7 MILE FAIR, INC.	FEE, AR, TLE	0.863	0.310	1.173
14	NEW WISCONSIN SERVICES, LP	FEE, AR, PLE, TLE	0.783	--	0.783
15	PAUL FERGUSON	FEE, AR	0.083	--	0.083
44	RACINE COUNTY	TLE	--	--	0.015
100	WE ENERGIES - DISTRIBUTION	ROR	--	--	--
101	WE ENERGIES - GAS	ROR	--	--	--
102	AT&T WISCONSIN	ROR	--	--	--
105	AMERICAN TRANSMISSION COMPANY	ROR	--	--	--

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	I101-I13	1956	VARIES
7 MILE ROAD	I101-I13	1956	50'
7 MILE ROAD	--	--	66' BY SS 82.13(2)



CONVENTIONAL SYMBOLS	
FOUND IRON PIPE/PIN	UP (IF UNLESS NOTED)
R/W MONUMENT	○ (IF UNLESS NOTED)
R/W STANDARD	△ (IF UNLESS NOTED)
SIGN	□ (IF UNLESS NOTED)
SECTION CORNER MONUMENT	⊙
FEE (HATCH VARIES)	▨
TEMPORARY LIMITED EASEMENT	▨
PERMANENT LIMITED EASEMENT	▨
R/W BOUNDARY POINT	○ (IF UNLESS NOTED)
PARCEL NUMBER	102
SIGN NUMBER (OFF PRESET)	21-1
BUILDING	□
HOLDING TANK	○

CONVENTIONAL UTILITY SYMBOLS	
WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
POWER POLE	⊙
TELEPHONE POLE	⊙
TELEPHONE PEDESTAL	⊙
ELECTRIC TOWER	⊙

NOTES:

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY BOUNDARIES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE 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 NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

ACCESS CONTROL ALONG WESTERLY RIGHT-OF-WAY LINE OF IH 94 / USH 41 IS PER PROJECT I-101-I13

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1035-01-20-4.04
AMENDMENT NO: 1

DOCUMENT # 2266351
RACINE COUNTY REGISTER OF DEEDS
October 25, 2010 11:12 AM

JAMES A. LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: \$25.00
Date of Sale: 10/25/2010

121

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	1101-1131	1956	VARIES
6 1/2 MILE ROAD	V1 P27	1844	66'
7 MILE ROAD	V2 P27	1852	66' BY STATUTE

101 PARCEL 18
V. 1875 P. 218 DOC. 1235254

THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 7, TOWNSHIP 4 NORTH, RANGE 22 EAST, IN THE VILLAGE OF CALEDONIA, RACINE COUNTY, WISCONSIN.

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



**Milwaukee
Transportation
Partners**

L. KEVIN M. CORNNELL, REGISTERED LAND SURVEYOR,
HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE
PROVISIONS OF SECTION 84.095 OF THE WISCONSIN
STATUTES AND UNDER THE DIRECTION OF THE
DEPARTMENT, I HAVE SURVEYED AND MAPPED
TRANSPORTATION PROJECT PLAT 1035-01-20 - 4.05
AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL
EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

(SIGNATURE) Kevin W. Cornnell
 KEVIN W. CORNELL
 AGENT FOR MILWAUKEE
 TRANSPORTATION PARTNERS, LLC
 R.L.S. NUMBER 2150

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF
TRANSPORTATION SOUTHEAST REGION.

DATE 3-11-2010 (SIGNATURE) [Signature]

(PRINTED NAME) Craig Andersen

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1035-01-20-4.05
AMENDMENT NO:

DOCUMENT # 2245537
CINE COUNTY REGISTER OF DEEDS
March 24, 2010 11:14 AM

JAMES A LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: \$25.00



22

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES)			T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
			NEW	EXISTING	TOTAL		
16	GILBERTO J. HERNANDEZ	AR, TLE	---	---	---	0.012	---
17	JAMES B. WAGNER, AND THE RICHARD A. CUCCIO AND LORETTA R. CUCCIO JOINT REVOCABLE LIVING TRUST	FEE, PLE, AR, TLE	3.220	---	3.220	0.442	0.153
18	JUL, LLC	FEE, AR, TLE	0.114	0.217	0.331	0.540	---
19	STEVEN P. & DIANE M. PRZYBYSZEWski	FEE, AR, TLE	0.113	0.076	0.189	0.048	---
20	DAVID A. GUNTLY	FEE	0.611	0.091	0.702	---	---
21	SHARON DESCHLER & LAURIE BERTZYK (REMOVED FROM PLAT)	FEE, AR, TLE	0.221	0.167	0.388	0.053	---
39	WE ENERGIES - DISTRIBUTION	ROR	---	---	---	---	---
100	WE ENERGIES - GAS	ROR	---	---	---	---	---
101	WE ENERGIES - GAS	ROR	---	---	---	---	---

OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	I101-I13	1956	VARIES
6 1/2 MILE ROAD	V1P27	1844	66'
7 MILE ROAD	V2 P27	1852	66' BY STATUTE

CURVE 1 RL I-94	CURVE 7 FRONTAGE RD. SE	CURVE 8 FRONTAGE RD. SE
P.I. = 1230+36.62 Y = 222300.47 X = 594348.58 A = 0°15'38" D = 00°09'00" R = 38197.19' T = 420.25' L = 840.46'	P.I. = 3231+16.84 Y = 222379.27 X = 594552.43 A = 41°24'35" D = 09°32'57" R = 600.00' T = 226.78' L = 433.64'	P.I. = 3237+48.25 Y = 222837.54 X = 595015.26 A = 44°25'53" D = 09°32'57" R = 600.00' T = 245.05' L = 465.29'

TRANSPORTATION PROJECT PLAT NO: 1035-01-20 - 4.05 AMENDMENT NO:1

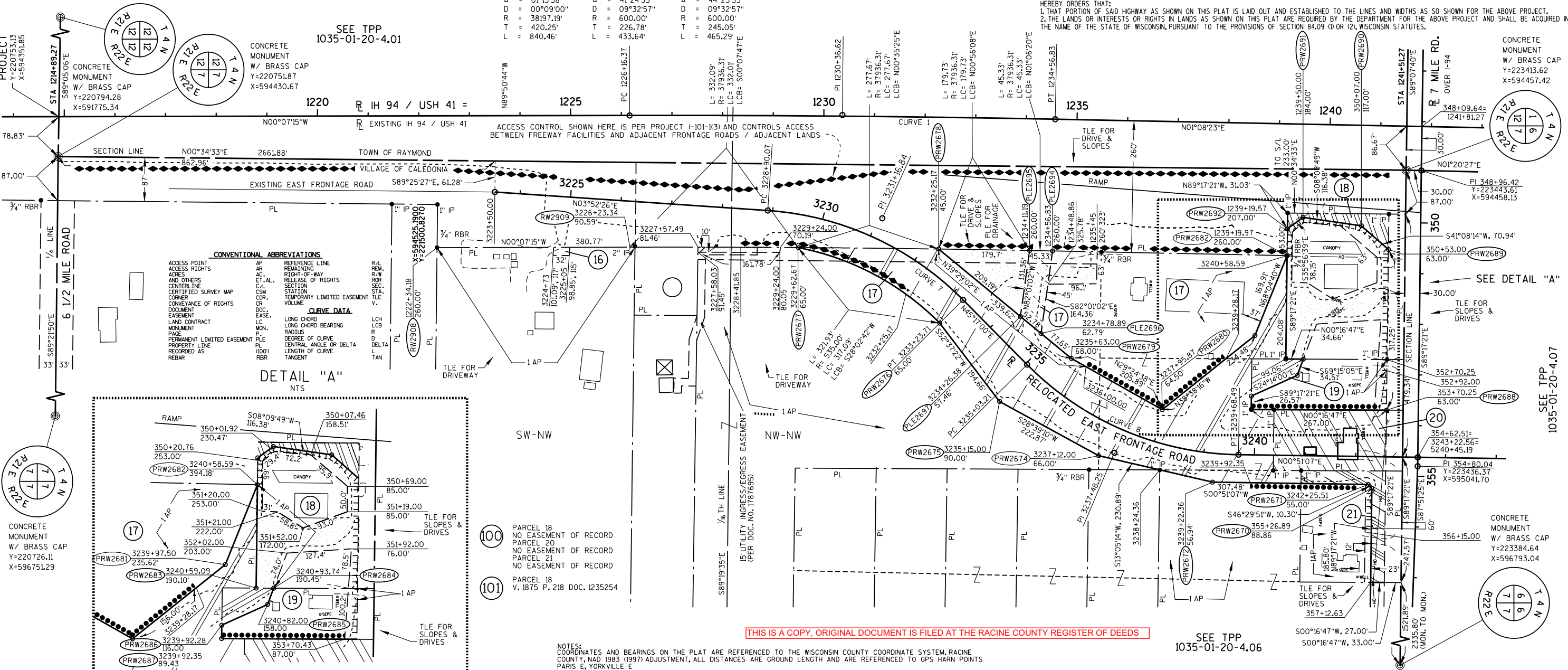
AMENDS PARCEL 17 OF TPP 1035-01-20-4.05, RECORDED AS DOCUMENT 2245537

THAT PART OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SECTION 7, TOWNSHIP 4 NORTH, RANGE 22 EAST, IN THE VILLAGE OF CALEDONIA, RACINE COUNTY, WISCONSIN.

RELOCATION ORDER IH 94 @ 7 MILE ROAD RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAY OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.



[THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS]

SEE TPP
1035-01-20-4.06

NOTES:
COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES, EXCLUDING RIGHT-OF-WAY BOUNDARIES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.
A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSES, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHT TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WOULD NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.
A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSES, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM NECESSARY OR DESIRABLE. ALL TLE EASEMENTS ARE TO TERMINATE UPON THE COMPLETION OF THIS PROJECT OR ON THE DAY OF THE TRAVELING PUBLIC, WHICHEVER IS LATER.
ACCESS CONTROL ALONG EASTERLY RIGHT-OF-WAY LINE OF IH 94 / USH 41 IS PER PROJECT I-101-I13.
FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.



Milwaukee Transportation Partners

DATE: 01/31/2011

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

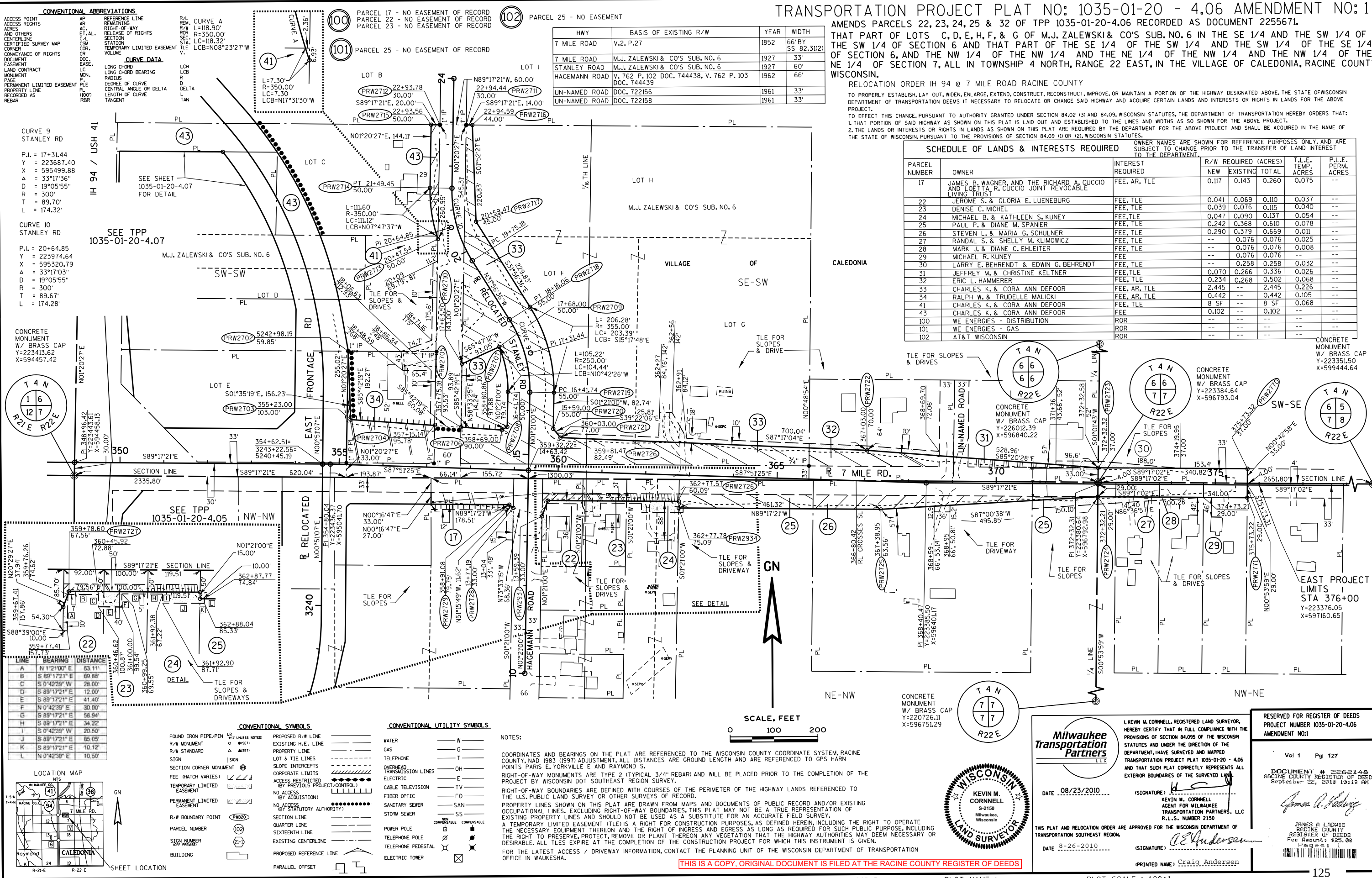
DATE: 2-8-2011

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1035-01-20-4.05
AMENDMENT NO:1

DOCUMENT # 2277669
RACINE COUNTY REGISTER OF DEEDS
February 23, 2011 9:44 AM

JAMES A. LABWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: \$25.00
Page(s): 1

123



CONVENTIONAL ABBREVIATIONS

AP	ACCESS POINT
AR	ACCESS RIGHTS
AC	ACRES
ET AL.	AND OTHERS
CSM	CENTERLINE
CS	CERTIFIED SURVEY MAP
CR	CORNER
CR	CONVEYANCE OF RIGHTS
DOC	DOCUMENT
EASE	EASEMENT
LC	LAND CONTRACT
MON	MONUMENT
P	FACE
PLE	PERMANENT LIMITED EASEMENT
PL	PROPERTY LINE
REBAR	RECORDED AS REBAR

CURVE DATA

LCB	LONG CHORD BEARING
R	RADIUS
LC	LENGTH OF CURVE
LCB	LENGTH OF CURVE
TAN	TANGENT

HWY BASIS OF EXISTING R/W YEAR WIDTH

7 MILE ROAD	V.2, P.27	1852	66' BY S 82.31(2)
7 MILE ROAD	M.J. ZALEWSKI & CO'S SUB. NO. 6	1927	33'
STANLEY ROAD	M.J. ZALEWSKI & CO'S SUB. NO. 6	1927	60'
HAGEMANN ROAD	V. 762 P. 102 DOC. 744438, V. 762 P. 103 DOC. 744439	1962	66'
UN-NAMED ROAD	DOC. 722156	1961	33'
UN-NAMED ROAD	DOC. 722158	1961	33'

TRANSPORTATION PROJECT PLAT NO: 1035-01-20 - 4.06 AMENDMENT NO: 1

AMENDS PARCELS 22, 23, 24, 25 & 32 OF TPP 1035-01-20-4.06 RECORDED AS DOCUMENT 2255671.

THAT PART OF LOTS C, D, E, H, F, & G OF M.J. ZALEWSKI & CO'S SUB. NO. 6 IN THE SE 1/4 AND THE SW 1/4 OF THE SW 1/4 OF SECTION 6 AND THAT PART OF THE SE 1/4 OF THE SW 1/4 AND THE SW 1/4 OF THE SE 1/4 OF SECTION 6, AND THE NW 1/4 OF THE NW 1/4 AND THE NE 1/4 OF THE NW 1/4 AND THE NW 1/4 OF THE NE 1/4 OF SECTION 7, ALL IN TOWNSHIP 4 NORTH, RANGE 22 EAST, IN THE VILLAGE OF CALEDONIA, RACINE COUNTY WISCONSIN.

RELOCATION ORDER IH 94 @ 7 MILE ROAD RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:

1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.

2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES)			T.L.E. TEMP. ACRES	P.L.E. PERM. ACRES
			NEW	EXISTING	TOTAL		
17	JAMES B. WAGNER, AND THE RICHARD A. CUCCIO AND LORETTA R. CUCCIO JOINT REVOCABLE LIVING TRUST	FEE, AR, TLE	0.117	0.143	0.260	0.075	--
22	JEROME S. & GLORIA E. LUENEBURG	FEE, TLE	0.041	0.069	0.110	0.037	--
23	DENISE C. MICHEL	FEE, TLE	0.039	0.076	0.115	0.040	--
24	MICHAEL B. & KATHLEEN S. KUNEY	FEE, TLE	0.047	0.090	0.137	0.054	--
25	PAUL P. & DIANE M. SPANIER	FEE, TLE	0.242	0.368	0.610	0.078	--
26	STEVEN L. & MARIA G. SCHULNER	FEE, TLE	0.290	0.379	0.669	0.011	--
27	RANDAL S. & SHELLY M. KLIMOWICZ	FEE, TLE	--	0.076	0.076	0.025	--
28	MARK J. & DIANE C. EHLEITER	FEE, TLE	--	0.076	0.076	0.008	--
29	MICHAEL R. KUNEY	FEE	--	0.076	0.076	--	--
30	LARRY E. BEHRENDT & EDWIN G. BEHRENDT	FEE, TLE	--	0.258	0.258	0.032	--
31	JEFFREY M. & CHRISTINE KETNER	FEE, TLE	0.070	0.266	0.336	0.026	--
32	ERIC L. HAMMERER	FEE, TLE	0.234	0.268	0.502	0.068	--
33	CHARLES K. & CORA ANN DEFOOR	FEE, AR, TLE	2.445	--	2.445	0.226	--
34	RALPH W. & TRUDELLA MALICKI	FEE, AR, TLE	0.442	--	0.442	0.105	--
41	CHARLES K. & CORA ANN DEFOOR	FEE, TLE	8 SF	--	8 SF	0.068	--
43	CHARLES K. & CORA ANN DEFOOR	FEE	0.102	--	0.102	--	--
100	WE ENERGIES - DISTRIBUTION	ROR	--	--	--	--	--
101	WE ENERGIES - GAS	ROR	--	--	--	--	--
102	AT&T WISCONSIN	ROR	--	--	--	--	--

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	UNLESS NOTED	PROPOSED R/W LINE
R/W MONUMENT	AS SET	EXISTING H.E. LINE
R/W STANDARD	AS SET	PROPERTY LINE
SIGN	SIGN	LOT & TIE LINES
SECTION CORNER MONUMENT	SECTION CORNER MONUMENT	SLOPE INTERCEPTS
FEE (HATCH VARIES)	FEE (HATCH VARIES)	CORPORATE LIMITS
TEMPORARY LIMITED EASEMENT	TEMPORARY LIMITED EASEMENT	ACCESS RESTRICTED (BY PREVIOUS PROJECT CONTROL)
PERMANENT LIMITED EASEMENT	PERMANENT LIMITED EASEMENT	NO ACCESS (BY ADJUTITION)
R/W BOUNDARY POINT	R/W BOUNDARY POINT	NO ACCESS (BY STATUTORY AUTHORITY)
PARCEL NUMBER	PARCEL NUMBER	SECTION LINE
SIGN NUMBER (OFF PRESENT)	SIGN NUMBER (OFF PRESENT)	QUARTER LINE
BUILDING	BUILDING	SIXTEENTH LINE
		EXISTING CENTERLINE
		PROPOSED REFERENCE LINE
		PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

WATER	W
GAS	G
TELEPHONE	T
OVERHEAD TRANSMISSION LINES	OH
ELECTRIC	E
CABLE TELEVISION	TV
FIBER OPTIC	FO
SANITARY SEWER	SAN
STORM SEWER	SS
POWER POLE	PO
TELEPHONE POLE	TP
TELEPHONE PEDESTAL	TPD
ELECTRIC TOWER	ET

NOTES:

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARN POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY BOUNDARIES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE 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 NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.

SCHEDULE OF LANDS & INTERESTS REQUIRED				OWNER NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY, AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTEREST TO THE DEPARTMENT.			
PARCEL NUMBER	OWNER	INTEREST REQUIRED	R/W REQUIRED (ACRES)	NEW	EXISTING	TOTAL	P.L.E. PERM. ACRES
35	SAIRAM REAL ESTATE 7 MILE, LLC.	FEE, AR, TLE	1.227	--	1.227	0.030	--
36	CHARLES G. & SANDRA J. HUSSEY	FEE, AR, TLE	0.175	--	0.175	0.105	--
37	KENNETH C. SCHAEFFER	FEE, AR, TLE	1.552	--	1.552	0.283	--
38	RONALD L. & YVONNE I. GIGSTEAD	FEE, AR, TLE	0.183	--	0.183	0.019	--
40	THE SIRO A. SHIRIKIAN AND VERA S. SHIRIKIAN REVOCABLE TRUST	TLE	--	--	--	0.005	--
41	CHARLES K. & CORA ANN DEFOOR	FEE, AR, TLE	0.332	--	0.332	0.077	--
42	CHARLES K. & CORA ANN DEFOOR	FEE, AR, TLE	0.497	--	0.497	0.003	--
43	CHARLES K. & CORA ANN DEFOOR	FEE, AR	0.749	--	0.749	--	--
100	WE ENERGIES - DISTRIBUTION	ROR	--	--	--	--	--

HWY	BASIS OF EXISTING R/W	YEAR	WIDTH
I-94 / USH 41	DJ 2277	1935	VARIES
I-94 / USH 41	DJ 2460	1938	VARIES
I-94 / USH 41	I101-I13	1956	VARIES
I-94 / USH 41	V. 442 P. 508 DOC. 507294	1946	VARIES
7 MILE ROAD	V.2, P.27	1852	66' BY 55' 82.3(12)
7 MILE ROAD	M.J. ZALEWSKI & CO. SUB. NO. 6	1927	33'

LOT#	PARCEL#
35	104-04-22-06-069-000
36	104-04-22-06-065-000
37	104-04-22-06-062-000
38	104-04-22-06-061-000
39	104-04-22-06-047-000
40	104-04-22-06-043-000
41	104-04-22-06-066-000
42	104-04-22-06-064-000
43	104-04-22-06-063-000

TRANSPORTATION PROJECT PLAT NO: 1035-01-20 - 4.07

THAT PART OF LOTS A, B, C, D, & E, OF M.J. ZALEWSKI & CO'S SUB. NO. 6 THAT PART OF THE NORTHWEST 1/4 OF THE SOUTHWEST 1/4 AND THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 OF SECTION 6, TOWNSHIP 4 NORTH, RANGE 22 EAST, IN THE VILLAGE OF CALEDONIA, RACINE COUNTY, WISCONSIN

RELOCATION ORDER IH 94 @ 7 MILE ROAD RACINE COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 84.02 (3) AND 84.09, WISCONSIN STATUTES, THE DEPARTMENT OF TRANSPORTATION HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE DEPARTMENT FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE STATE OF WISCONSIN, PURSUANT TO THE PROVISIONS OF SECTION 84.09 (1) OR (2), WISCONSIN STATUTES.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT	ACCESS RIGHTS	ACCESS RIGHTS	ACCESS RIGHTS	ACCESS RIGHTS
AP	AP	AP	AP	AP
AC	AC	AC	AC	AC
ET	ET	ET	ET	ET
AL	AL	AL	AL	AL
CS	CS	CS	CS	CS
CM	CM	CM	CM	CM
CR	CR	CR	CR	CR
CC	CC	CC	CC	CC
CD	CD	CD	CD	CD
CE	CE	CE	CE	CE
CF	CF	CF	CF	CF
CG	CG	CG	CG	CG
CH	CH	CH	CH	CH
CI	CI	CI	CI	CI
CJ	CJ	CJ	CJ	CJ
CK	CK	CK	CK	CK
CL	CL	CL	CL	CL
CM	CM	CM	CM	CM
CN	CN	CN	CN	CN
CO	CO	CO	CO	CO
CP	CP	CP	CP	CP
CQ	CQ	CQ	CQ	CQ
CR	CR	CR	CR	CR
CS	CS	CS	CS	CS
CT	CT	CT	CT	CT
CU	CU	CU	CU	CU
CV	CV	CV	CV	CV
CW	CW	CW	CW	CW
CX	CX	CX	CX	CX
CY	CY	CY	CY	CY
CZ	CZ	CZ	CZ	CZ

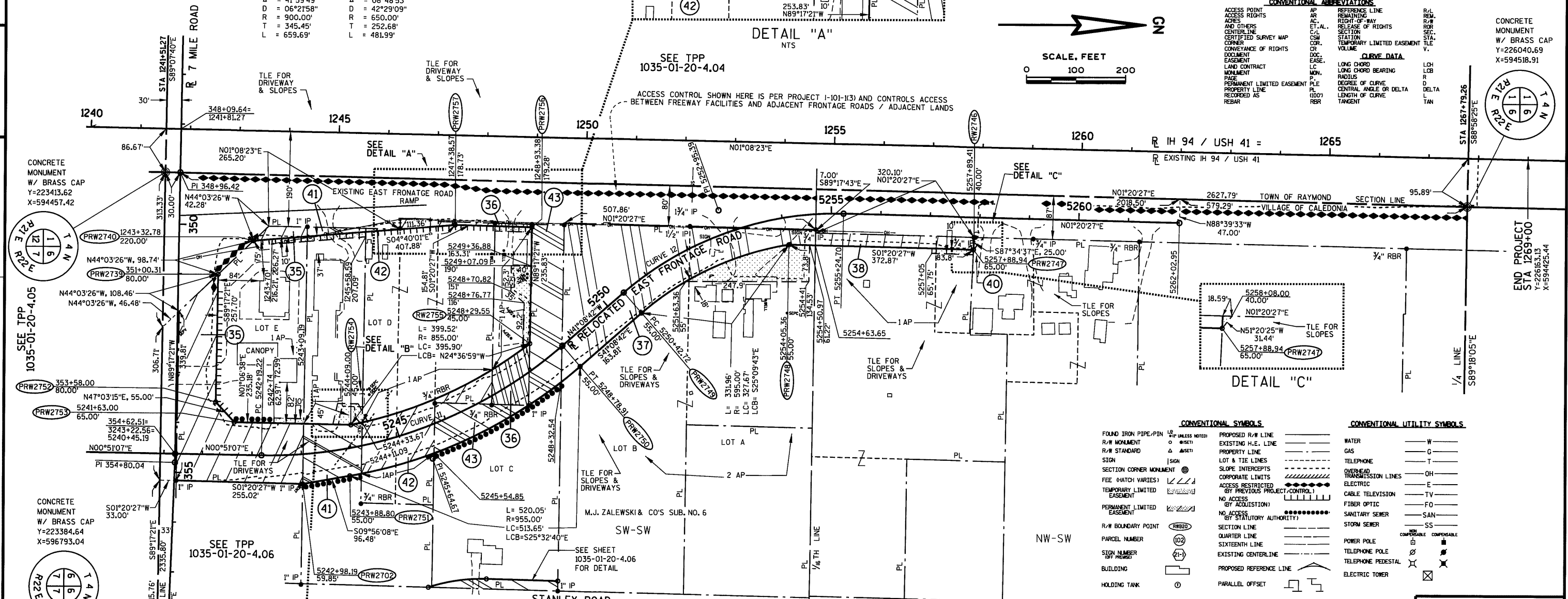
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SCALE, FEET
0 100 200

DETAIL "A"
NTS

SEE TPP 1035-01-20-4.04

ACCESS CONTROL SHOWN HERE IS PER PROJECT I-101-I13) AND CONTROLS ACCESS BETWEEN FREEWAY FACILITIES AND ADJACENT FRONTAGE ROADS / ADJACENT LANDS



4

4

SEE TPP 1035-01-20-4.05

SEE TPP 1035-01-20-4.06

NOTES:

[THIS IS A COPY, ORIGINAL DOCUMENT IS FILED AT THE RACINE COUNTY REGISTER OF DEEDS]

COORDINATES AND BEARINGS ON THE PLAT ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, RACINE COUNTY, NAD 1983 (1997) ADJUSTMENT. ALL DISTANCES ARE GROUND LENGTH AND ARE REFERENCED TO GPS HARD POINTS PARIS E, YORKVILLE E AND RAYMOND S.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 (TYPICAL 3/4" REBAR) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT BY WISCONSIN DOT SOUTHEAST REGION SURVEY.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPANCY LINES. EXCLUDING RIGHT-OF-WAY BOUNDARIES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE THE 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 NECESSARY OR DESIRABLE. ALL TLES EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

FOR THE LATEST ACCESS / DRIVEWAY INFORMATION, CONTACT THE PLANNING UNIT OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION OFFICE IN WAUKESHA.



I, KEVIN M. CORNWELL, REGISTERED LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.09 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE DEPARTMENT, I HAVE SURVEYED AND MAPPED TRANSPORTATION PROJECT PLAT 1035-01-20 - 4.07 AND THAT SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

DATE: 06/17/2010

SIGNATURE: [Signature]
KEVIN M. CORNWELL
AGENT FOR MILWAUKEE TRANSPORTATION PARTNERS, LLC
R.L.S. NUMBER 2150

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE WISCONSIN DEPARTMENT OF TRANSPORTATION SOUTHEAST REGION.

DATE: 6-28-2010

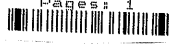
SIGNATURE: [Signature]
CRAIG ANDERSEN
(PRINTED NAME) Craig Andersen

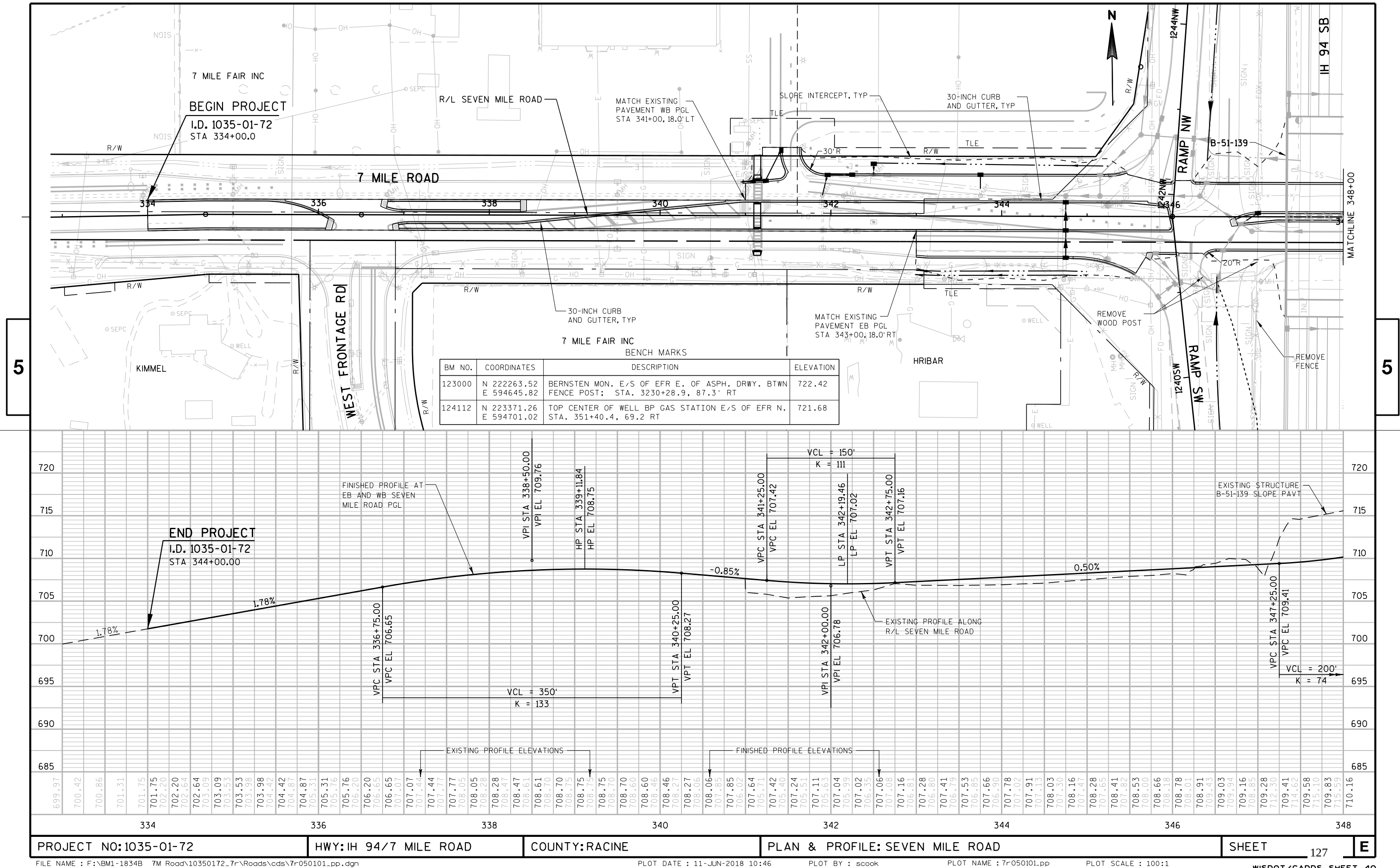
RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 1035-01-20-4.07
AMENDMENT NO:

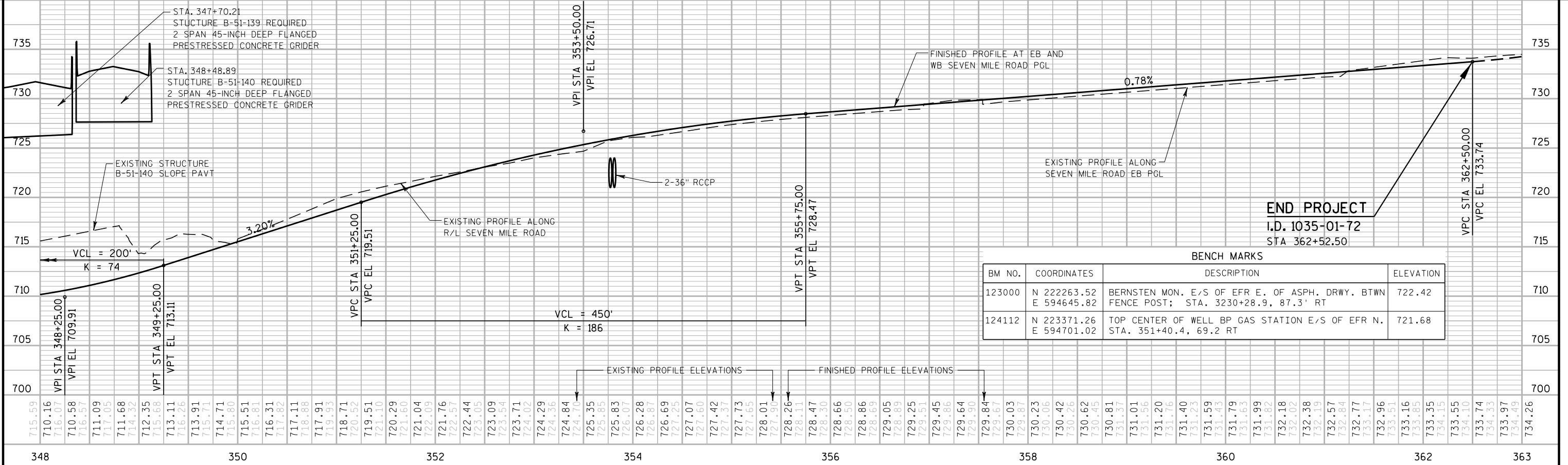
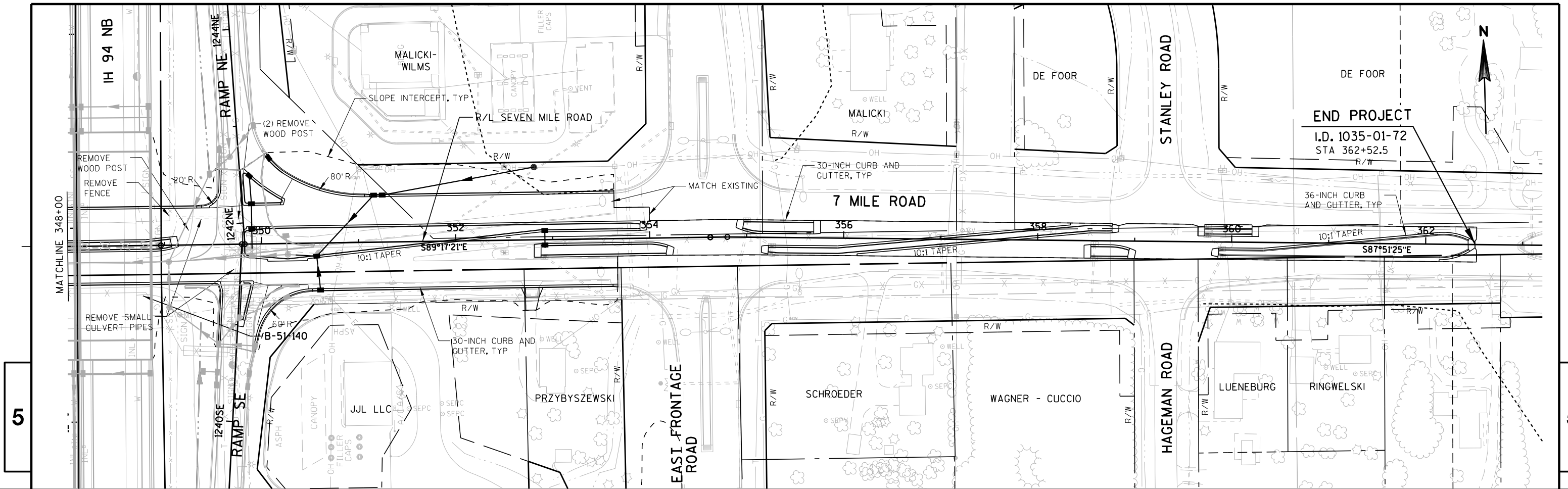
Vol 1 Pg 123

DOCUMENT # 2255672
RACINE COUNTY REGISTER OF DEEDS
July 19, 2010 9:20 AM

JAMES A. LADWIG
RACINE COUNTY
REGISTER OF DEEDS
Fee Amount: \$25.00
Paid on 7/19/2010



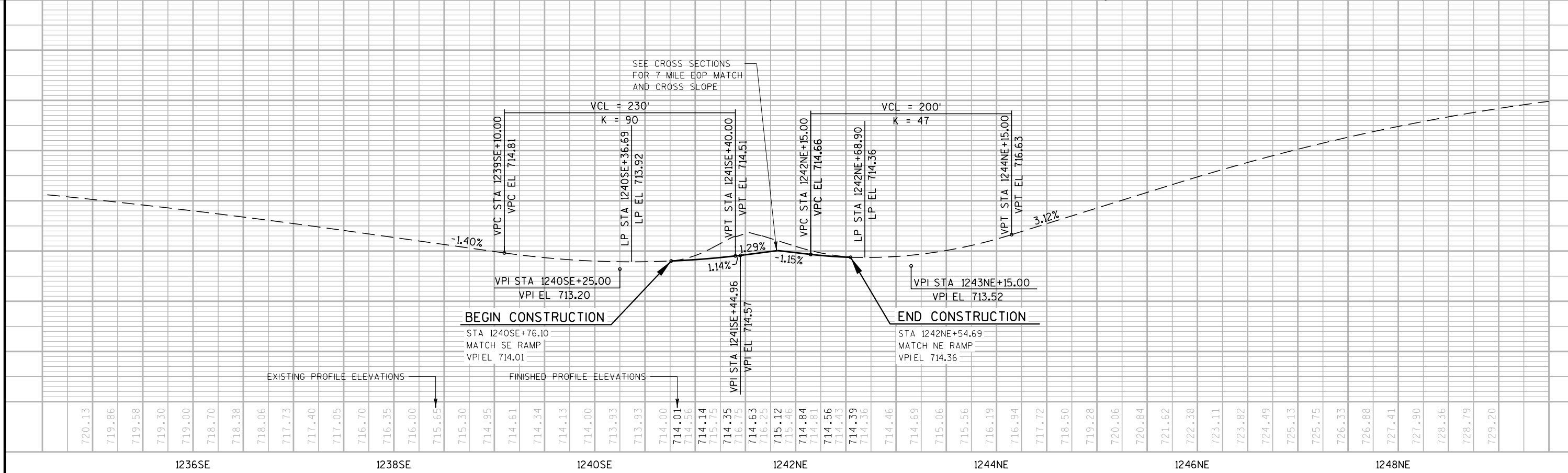
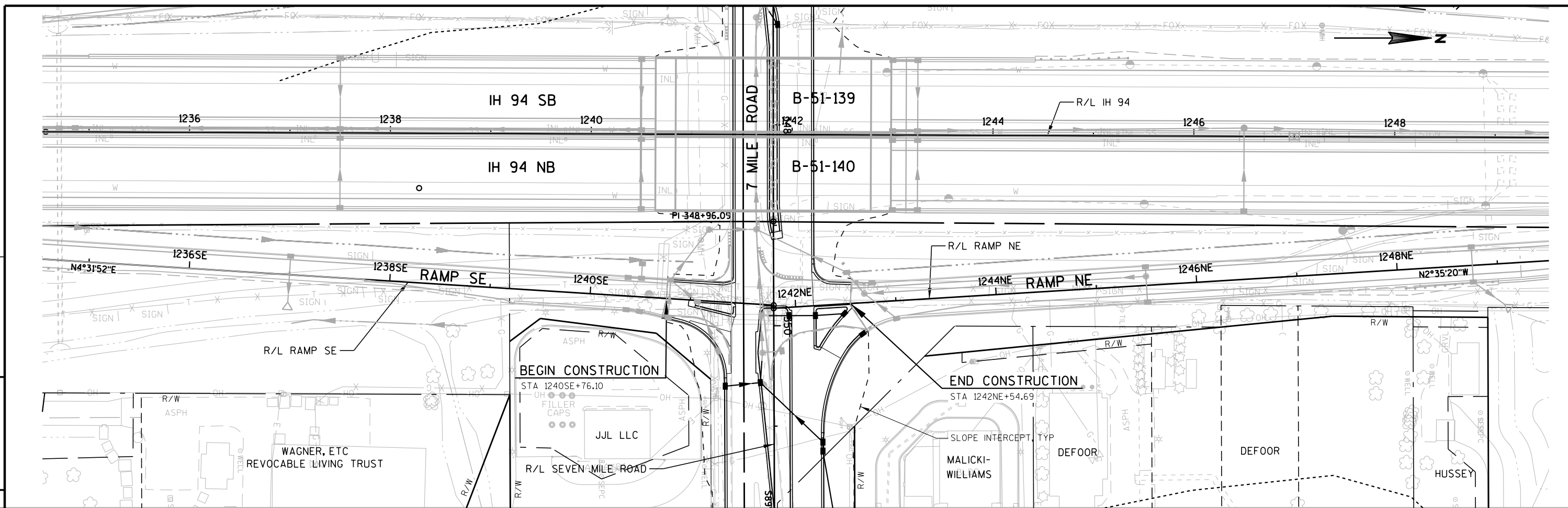




BENCH MARKS			
BM NO.	COORDINATES	DESCRIPTION	ELEVATION
123000	N 222263.52 E 594645.82	BERNSTEN MON. E/S OF EFR E. OF ASPH. DRWY. BTWN FENCE POST; STA. 3230+28.9, 87.3' RT	722.42
124112	N 223371.26 E 594701.02	TOP CENTER OF WELL BP GAS STATION E/S OF EFR N. STA. 351+40.4, 69.2 RT	721.68

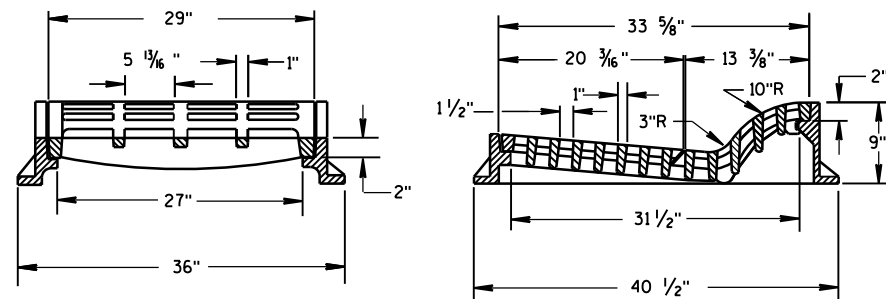
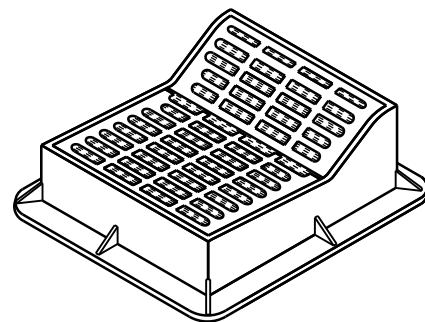
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5



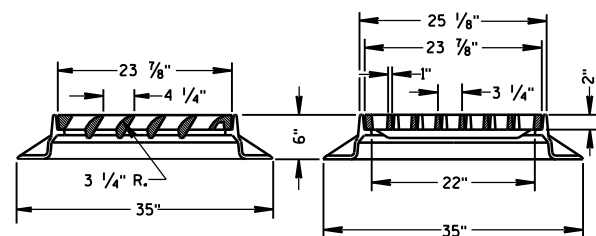
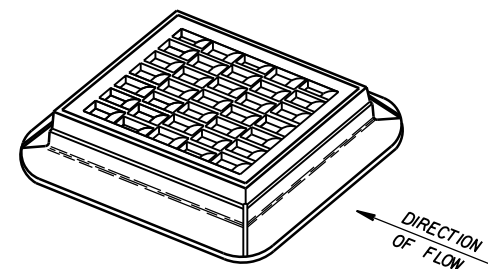
Standard Detail Drawing List

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
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
08D01-20A	CONCRETE CURB & GUTTER
08D01-20B	CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS
08D05-19A	CURB RAMPS TYPES 1 AND 1-A
08D05-19E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
08D05-19G	CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES
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
09B02-10	CONDUIT
09B04-11	PULL BOX
09C08-05	CONCRETE BASE, TYPE 7
09C11-10	CONCRETE BASE TYPE 10
09D01-05	CABINET SERVICE INSTALLATION (METER BREAKER PEDESTAL)
10A17-04A	POLES, TYPES 7 ALUMINUM - 35'-10" SHAFT
10A18-05A	LUMINAIRE ARMS, SINGLE MEMBER 6-INCH CLAMP
11B02-02	CONCRETE MEDIAN NOSE
13C01-19	CONCRETE PAVEMENT LONGITUDINAL JOINTS AND TIES
13C13-09	URBAN DOWELED CONCRETE PAVEMENT
13C17-01A	CONCRETE JOINT DETAIL FOR EXIT RAMP TERMINI
13C17-01B	CONCRETE JOINT DETAIL FOR ENTRANCE RAMP TERMINI
13C18-05A	CONCRETE PAVEMENT JOINTING
13C18-05B	CONCRETE PAVEMENT STEEL REINFORCEMENT
13C18-05C	CONCRETE PAVEMENT JOINT TYPES
13C18-05D	CONCRETE PAVEMENT JOINTING AT UTILITY FIXTURES
15C07-14B	PAVEMENT MARKING WORDS
15C07-14C	PAVEMENT MARKING ARROWS
15C08-18A	LONGITUDINAL MARKING (MAINLINE)
15C08-18B	PAVEMENT MARKING (TURN LANES)
15C11-07A	CHANNELIZING DEVICES FLEXIBLE TUBULAR MARKER POST
15C18-04	MEDIAN ISLAND MARKING
15C20-02	YIELD MARKING
15C27-02B	PAVEMENT MARKING (ISLANDS)
15C33-03	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-02A	PAVEMENT MARKING (INTERSECTIONS)
15D30-03A	TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION
15D30-03B	TRAFFIC CONTROL, TEMPORARY ADA COMPLIANT PEDESTRIAN ACCOMMODATION

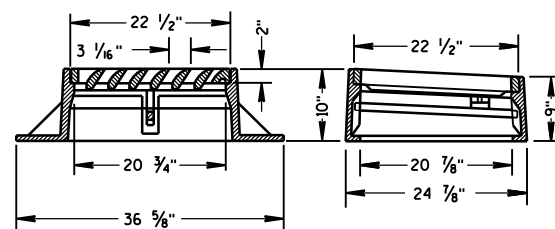
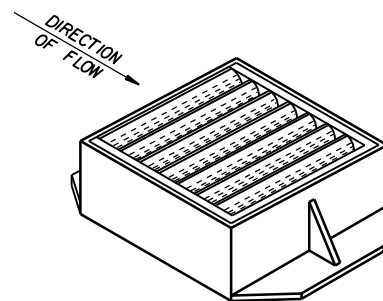


TYPE "F"

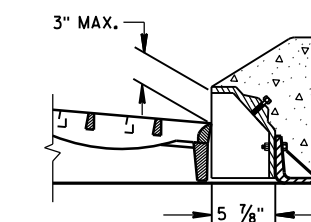
USE WITH TYPES A & D CONCRETE CURB & GUTTER, 36 INCH.



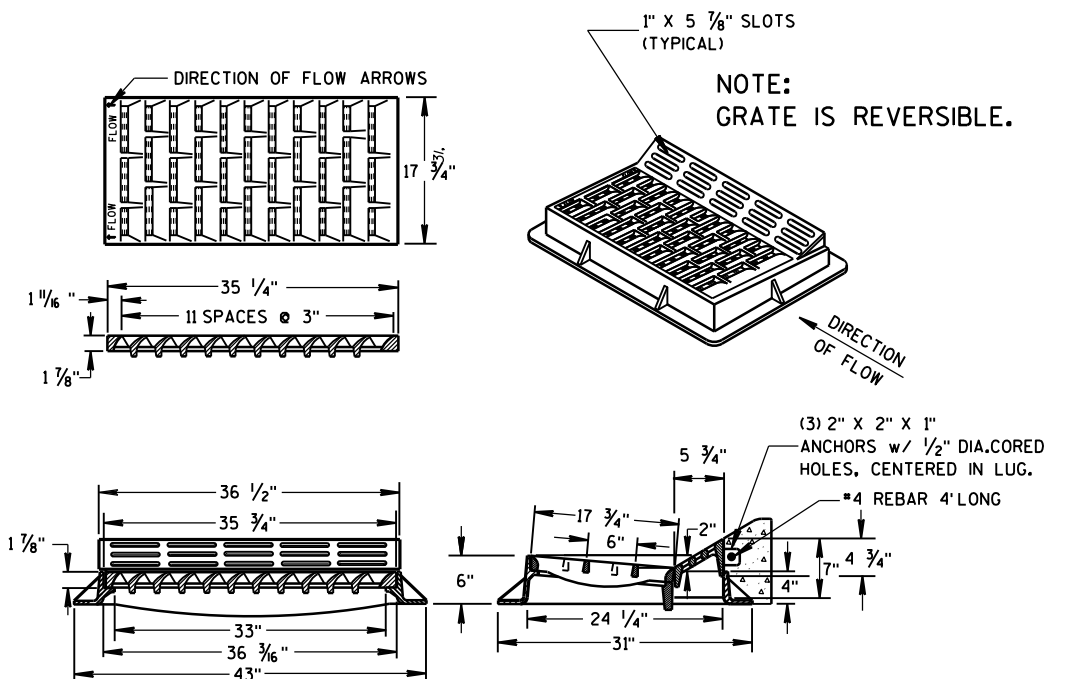
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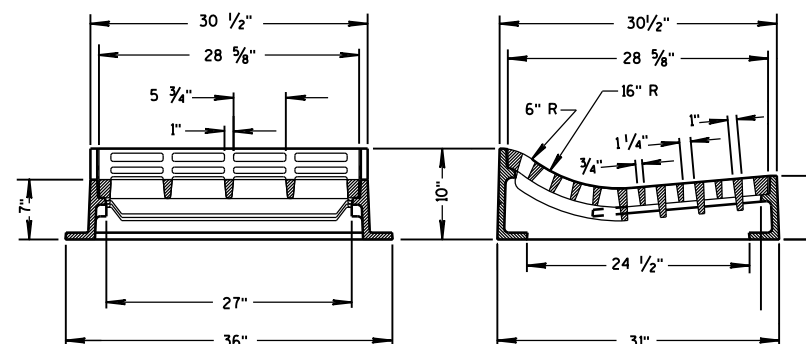
TYPE "V"

ALTERNATIVE CURB BOX
FOR TYPE "HM" COVERUSE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLENOTE:
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

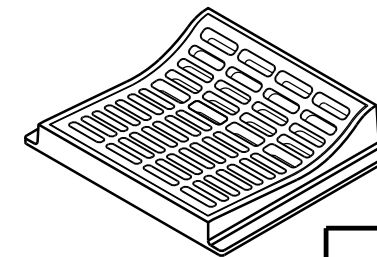
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING
SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND
THE APPLICABLE SPECIAL PROVISIONS.DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED
TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION
FOR EQUIVALENT CAPACITY AND STRENGTH.

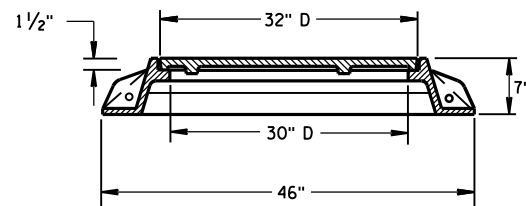
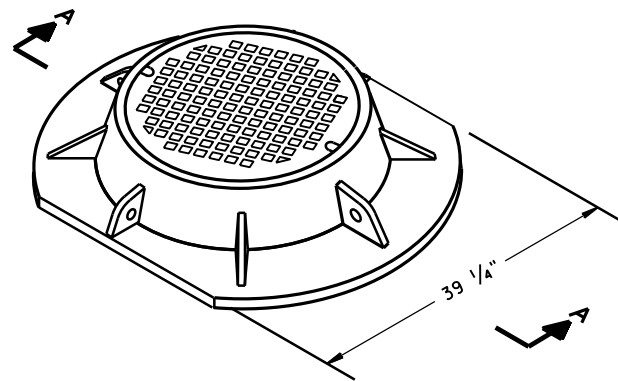
TYPE "HM"

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

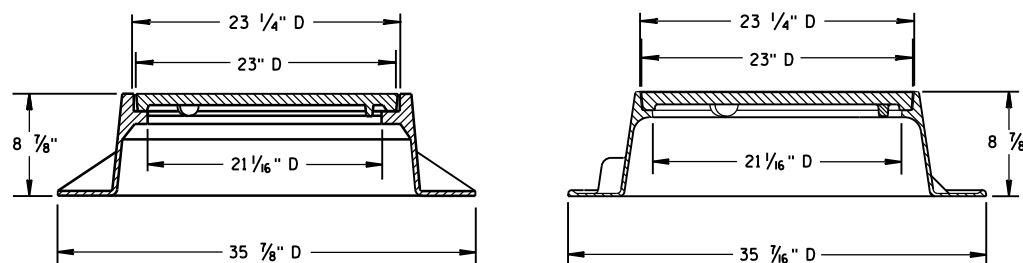
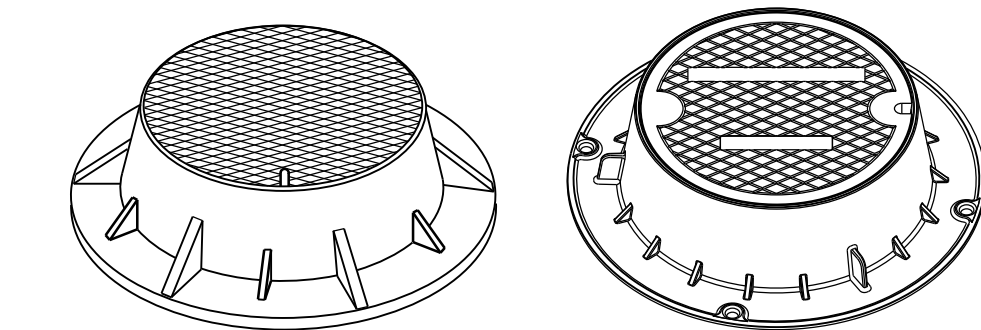
TYPE "T"

USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.

INLET COVERS
TYPE F, HM, HM-S, S, T, V,
HM-GJ, & HM-GJ-SSTATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATIONAPPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
131
FHWA

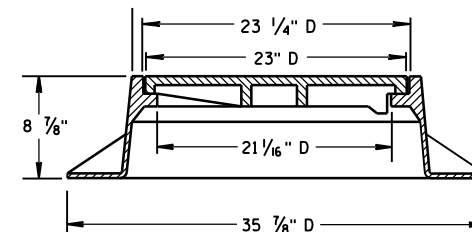
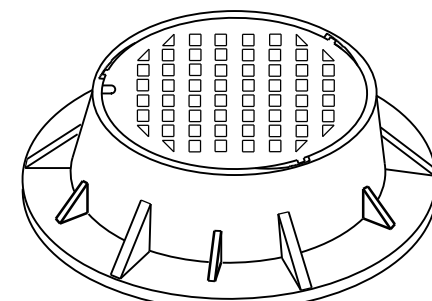
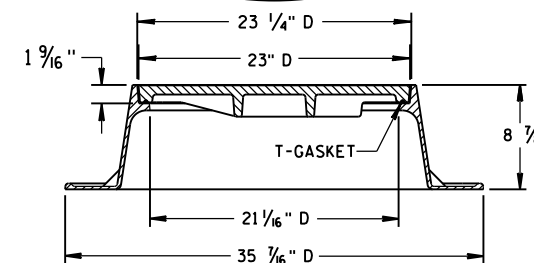
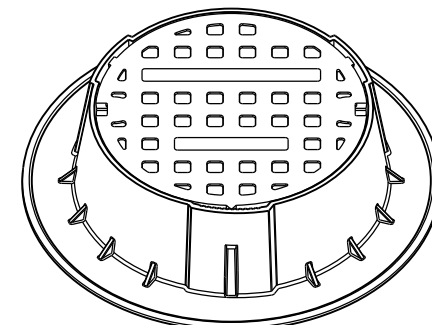


SECTION A-A
TYPE "K"



TYPE "J"

NOTE: EITHER CASTING IS ACCEPTABLE

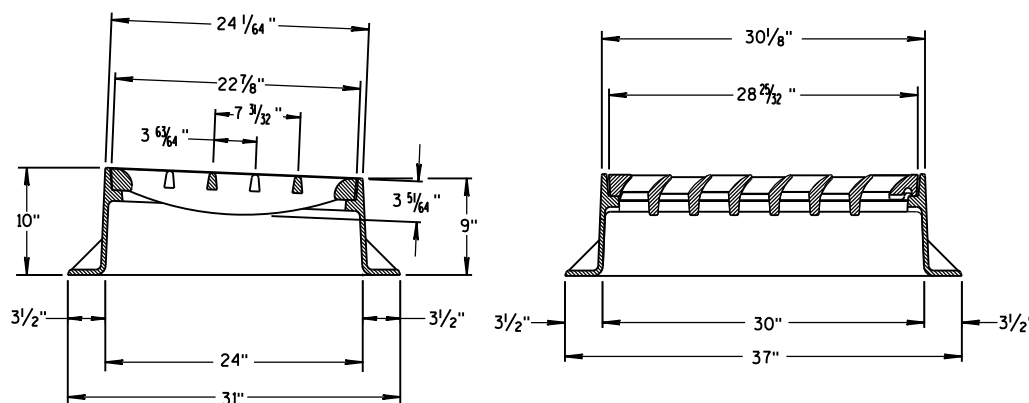
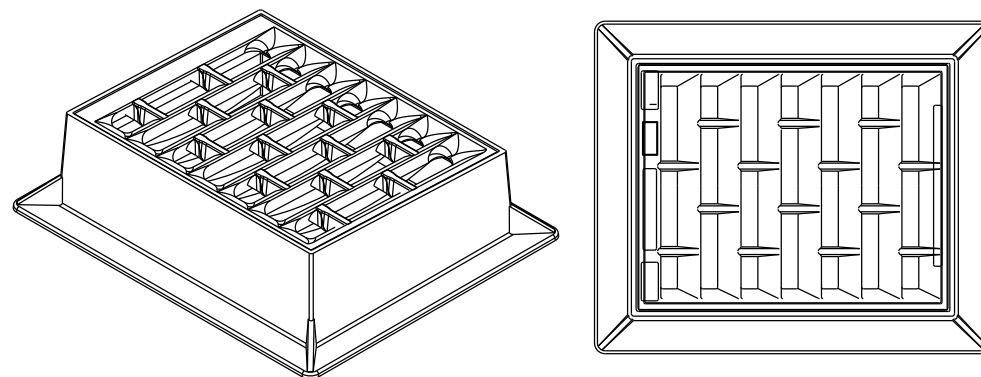


TYPE "J" SPECIAL

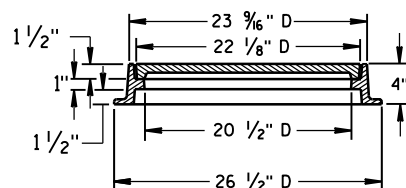
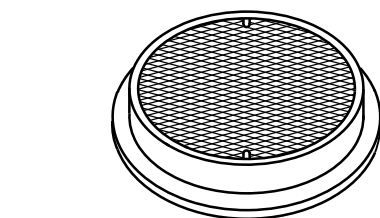
TYPE "B" NON-ROCKING SELF-SEAL LID

(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)

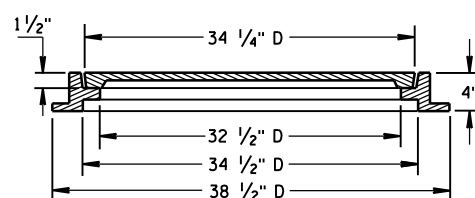
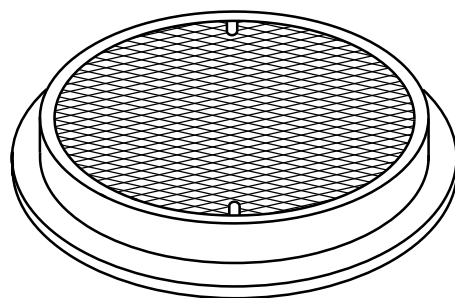
NOTE: EITHER CASTING IS ACCEPTABLE



INLET COVER TYPE "BW"



TYPE "L"



TYPE "M"

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.

INLET COVER TYPE BW
MANHOLE COVERS, TYPE K,
J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

11/27/2013

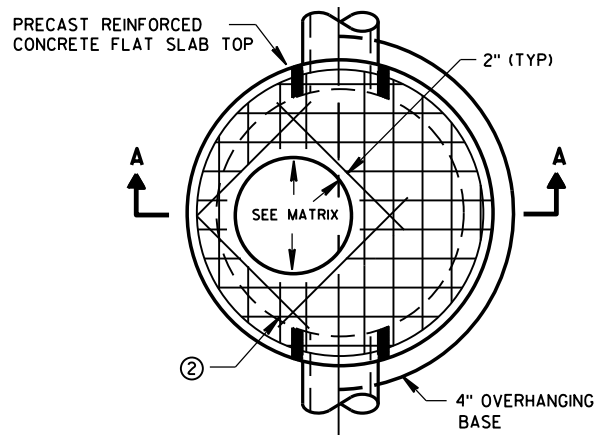
DATE

FHWA

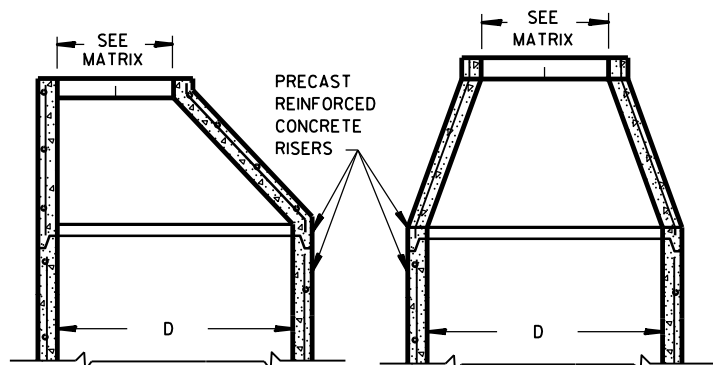
/S/ Jerry H. Zogg

ROADWAY STANDARDS 132

ENGINEER

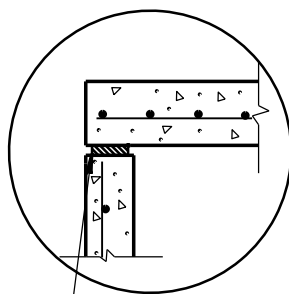


PLAN VIEW CIRCULAR OPENING

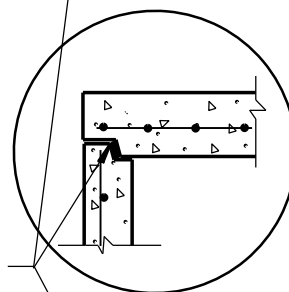


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

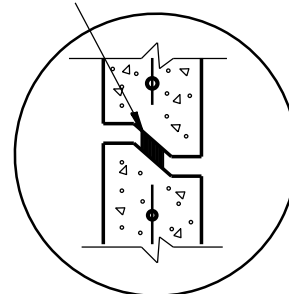
OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP



TOP WITH PLAIN END JOINT



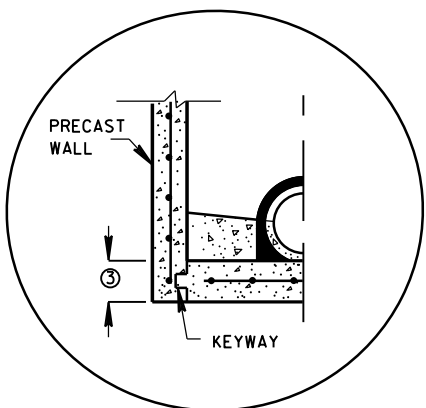
TOP WITH TONGUE AND GROOVE JOINT



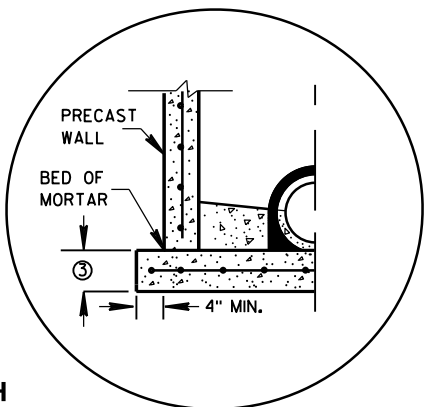
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

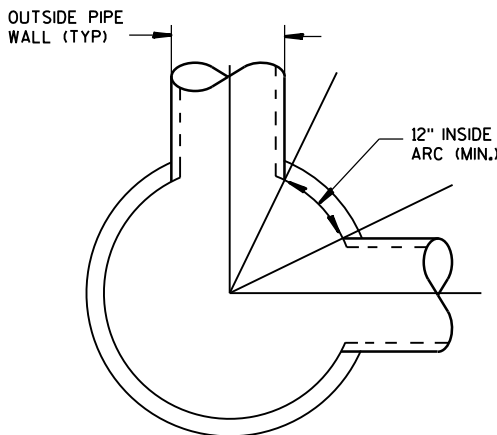


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

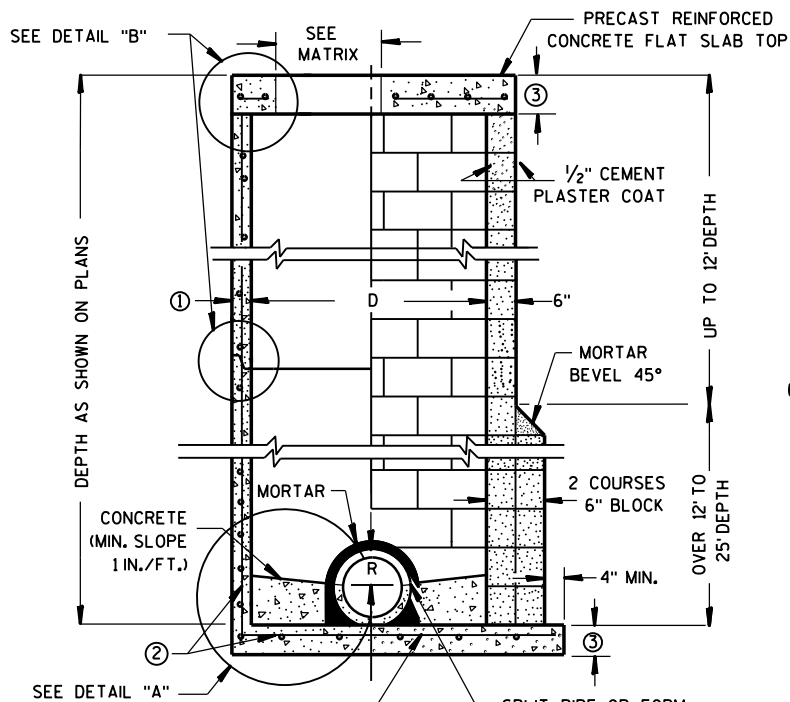


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"



CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES

PRECAST REINFORCED CONCRETE BLOCK WITH CONCRETE WITH MONOLITHIC BASE CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER

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 1/2" 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 PERMITTED 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

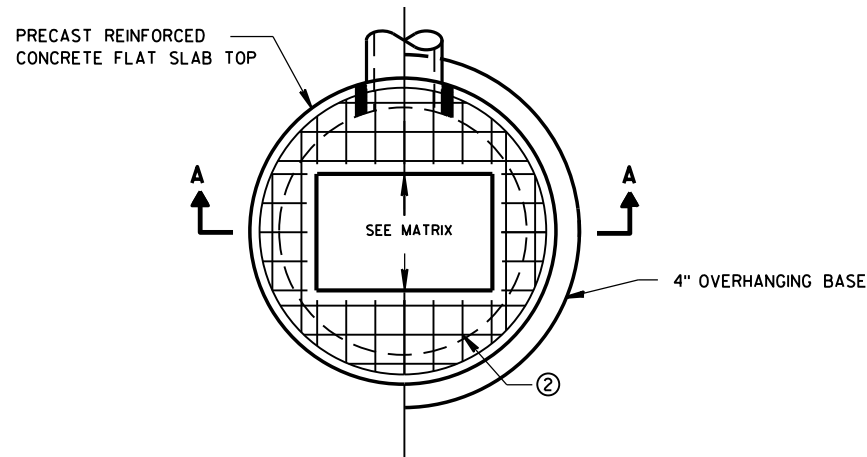
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

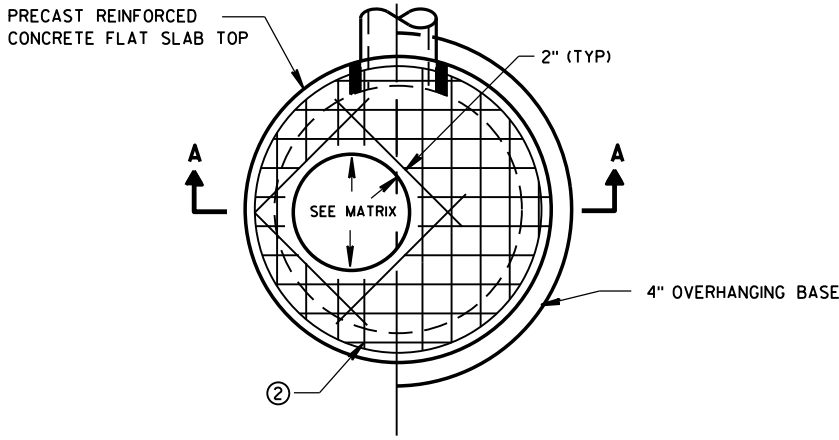
Sept., 2016
DATE

/S/ Rodney Taylor
ROADWAY STANDARDS DEVELOPMENT
UNIT SUPERV 133

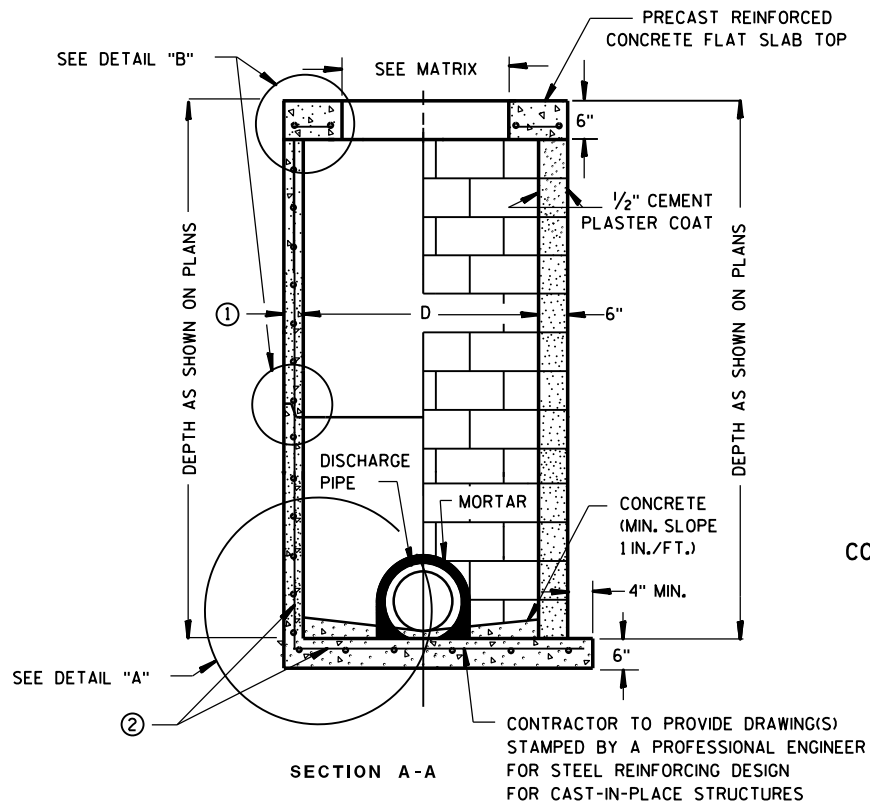
FHWA



PLAN VIEW RECTANGULAR OPENING

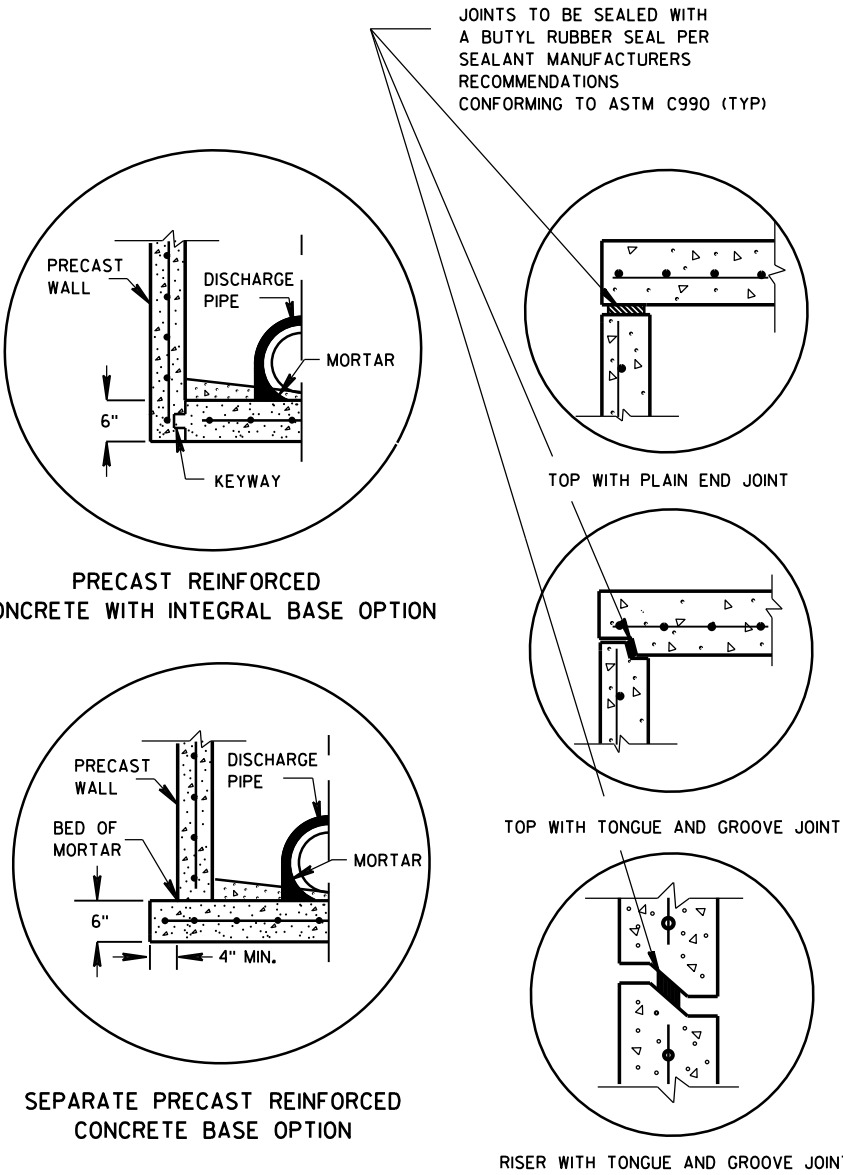


PLAN VIEW CIRCULAR OPENING



PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE **CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②**

CIRCULAR INLETS W/ FLAT TOP



DETAIL "A"

DETAIL "B"

INLETS 3-FT AND 4-FT DIAMETER

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 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.

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.

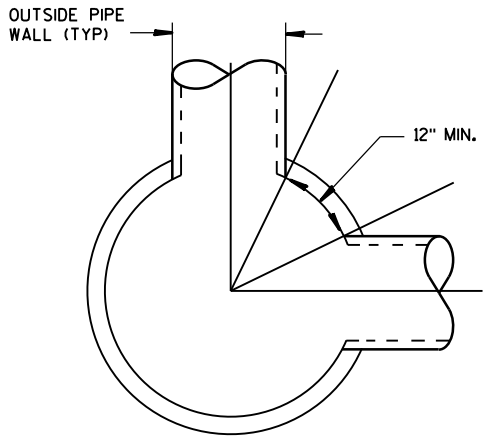
4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

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"

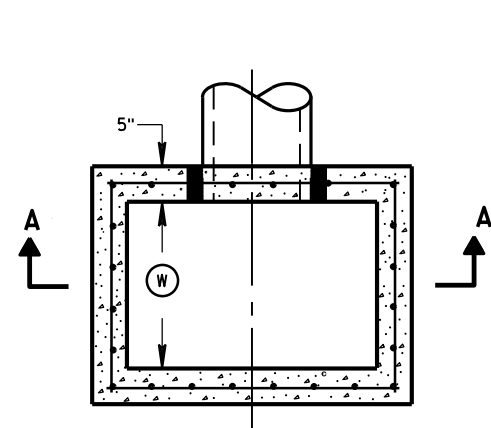
PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

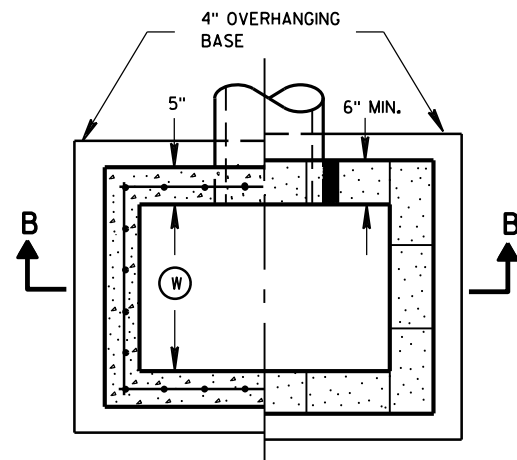
INLETS 3-FT AND 4-FT DIAMETER

**STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION**

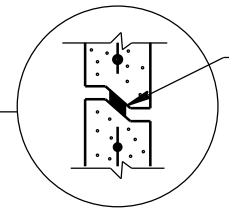
APPROVED
Sept., 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS UNIT SUPERVISOR
FHWA 134 ENT



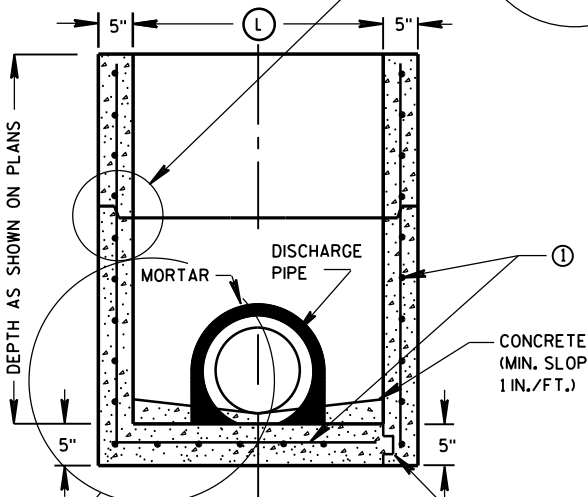
PLAN VIEW



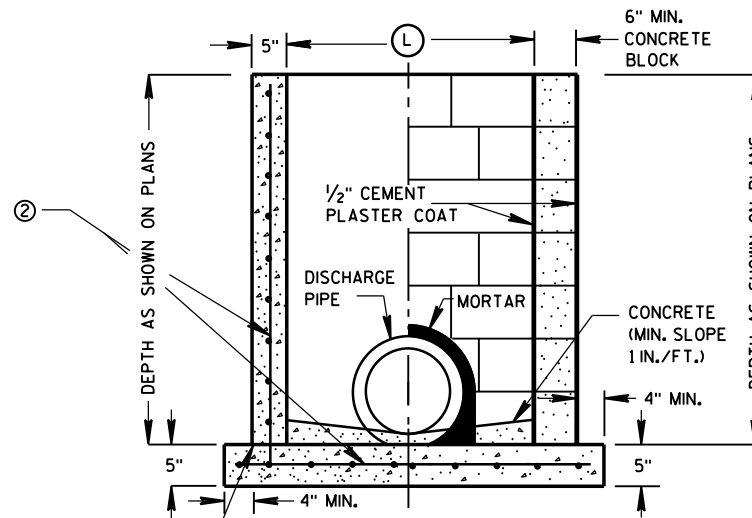
PLAN VIEW



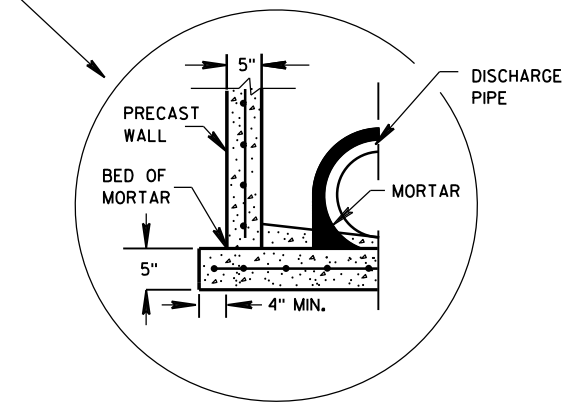
RISER JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

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.

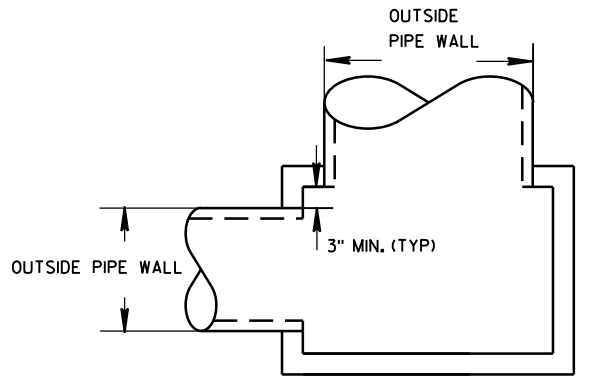
- 1 FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.
- 2 CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (1) (FT)	LENGTH (2) (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

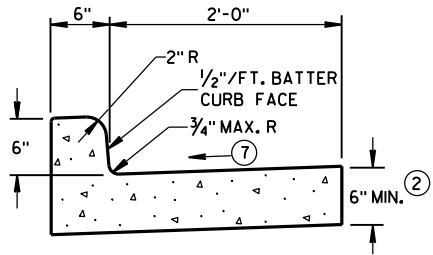


DETAIL "A"

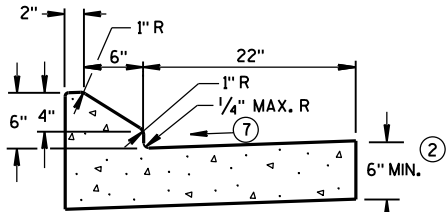
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

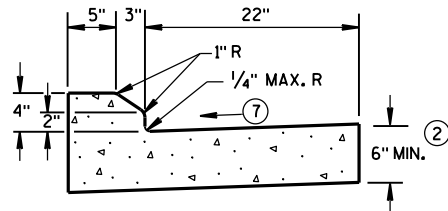
APPROVED
Sept., 2016 /S/ Rodney Taylor
DATE ROADWAY STANDARDS D 135 IT
FHWA UNIT SUPERVIS



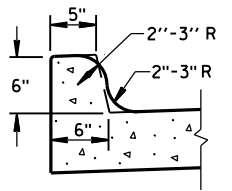
TYPES A^① & D



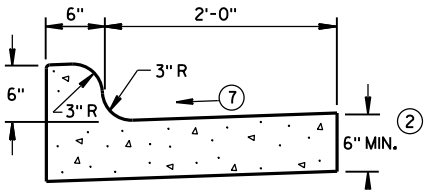
6" SLOPED CURB TYPES G^① & J



4" SLOPED CURB TYPES G^① & J

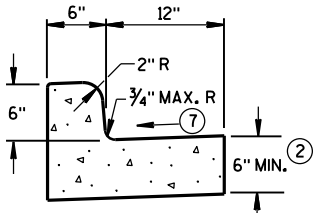


TYPES K^① & L
(OPTIONAL CURB SHAPE)



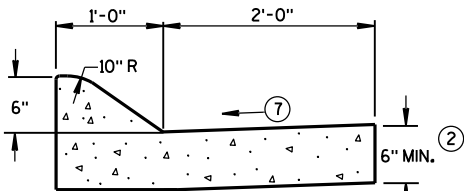
TYPES K^① & L

CONCRETE CURB & GUTTER 30"

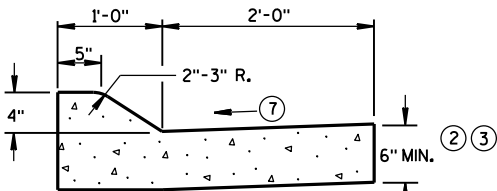


TYPES A^① & D

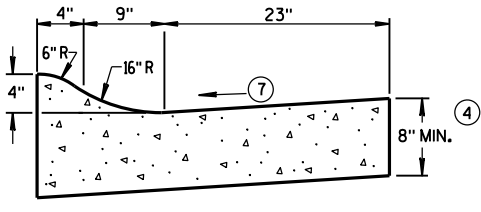
CONCRETE CURB & GUTTER 18"



6" SLOPED CURB TYPES A^① & D

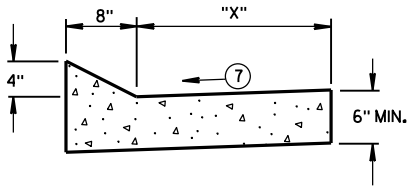


4" SLOPED CURB TYPES A^① & D



4" SLOPED CURB TYPES R^① & T^⑤

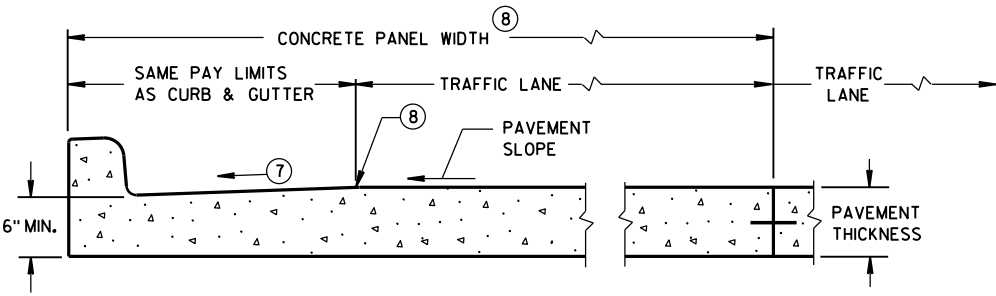
CONCRETE CURB & GUTTER 36"



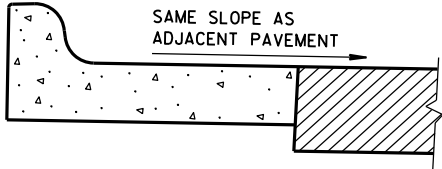
TYPES TBT & TBTT^①

CONCRETE CURB & GUTTER

TBT & TBTT	"X"
30"	22"
36"	28"



PARTIAL SECTION OF PAVEMENT
WITH INTEGRAL CURB & GUTTER



REVERSE SLOPE GUTTER^⑥
(TYPICAL FOR ALL CURB & GUTTER TYPES)

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.

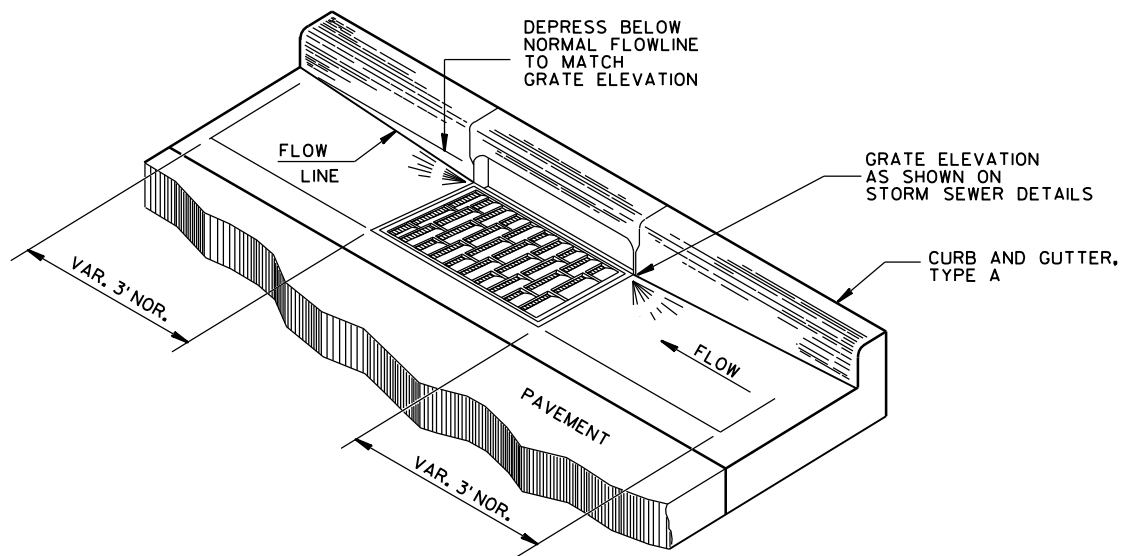
PAVEMENT THICKNESS
AND MAXIMUM CONCRETE
PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'

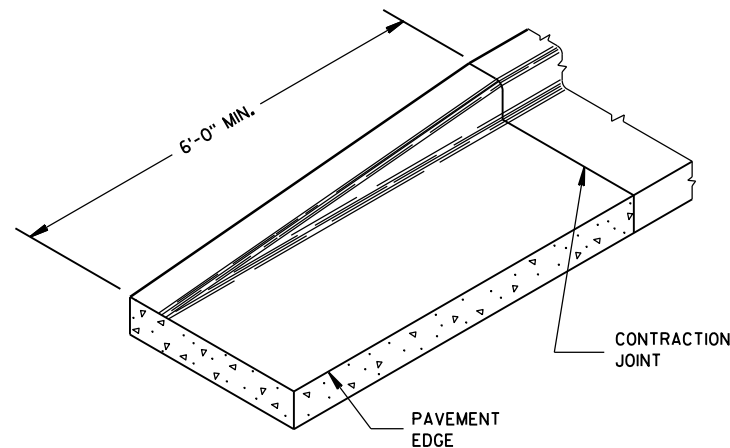
* BIKE LANE IS NOT SHOWN.

CONCRETE CURB & GUTTER

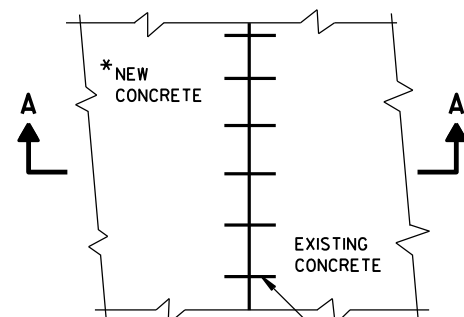
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION



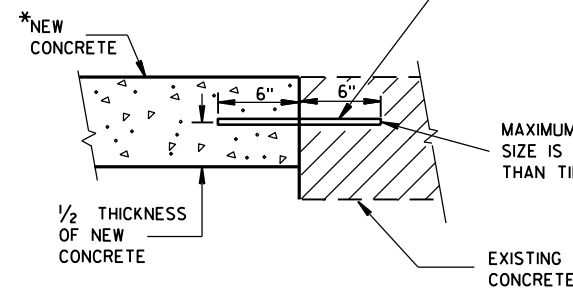
DETAIL OF CURB AND GUTTER AT INLETS
(TYPE H INLET COVER SHOWN)



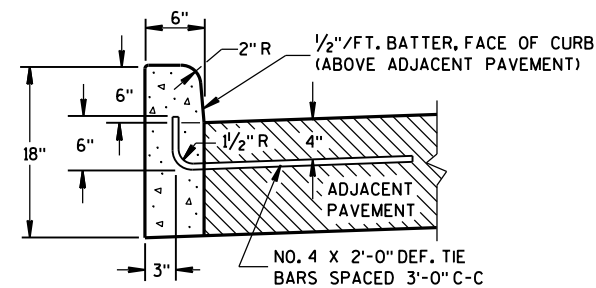
END SECTION CURB & GUTTER



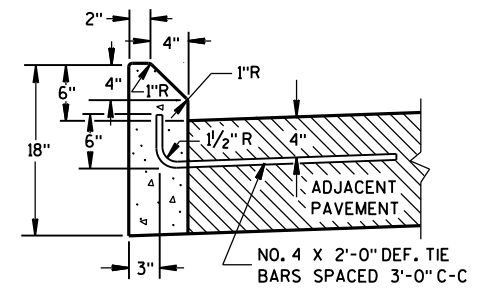
PLAN VIEW



SECTION A-A
TIE BARS DRILLED
INTO EXISTING PAVEMENT



TYPES A^① & D



TYPES G^① & J

GENERAL NOTES

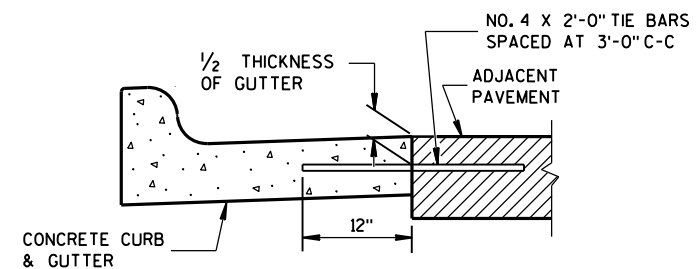
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

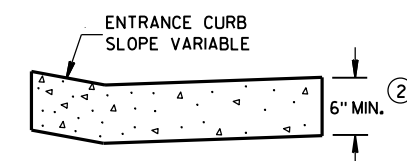
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2'-0" BEHIND THE BACK OF CURBS.

- 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.

CONCRETE CURB

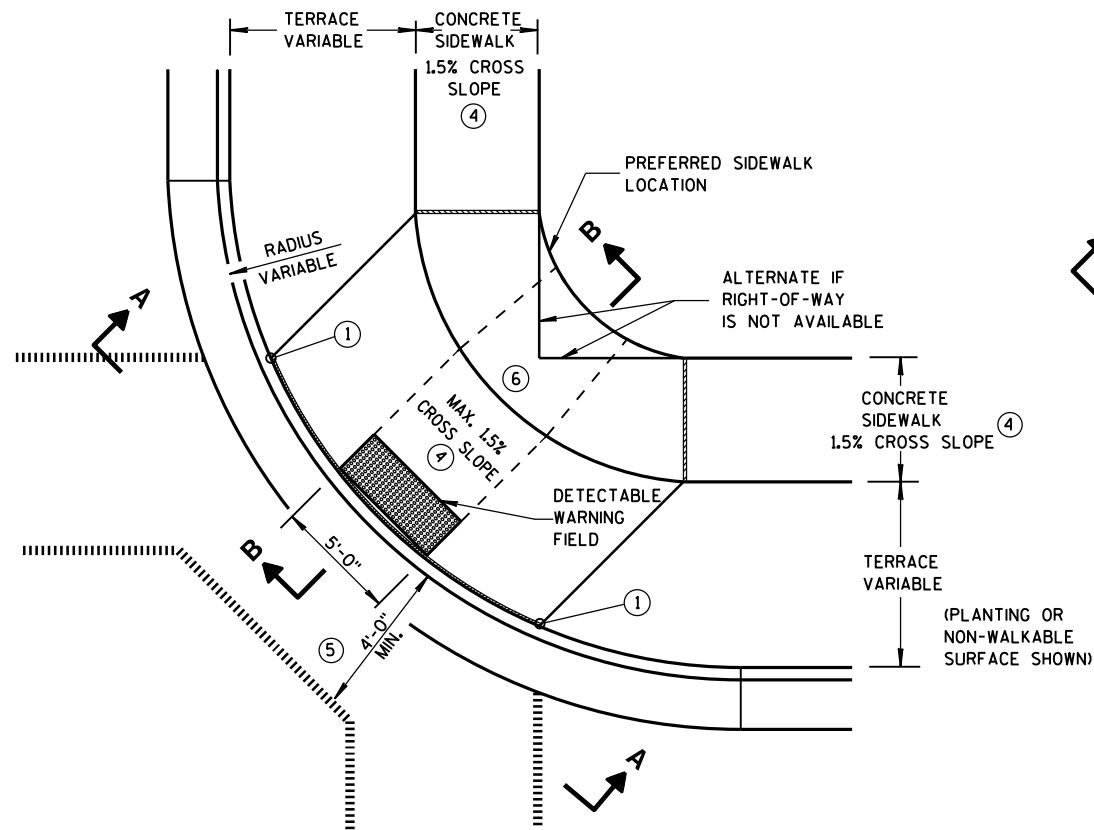


TYPICAL TIE BAR LOCATION^①

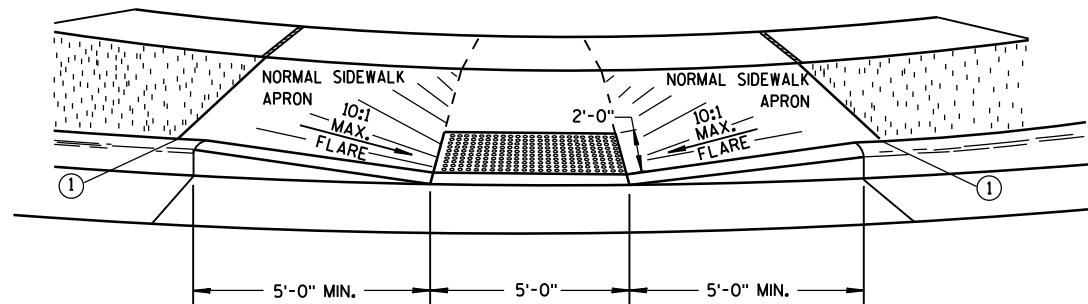


DRIVEWAY ENTRANCE CURB^⑨
(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
APPROVED June, 2017 DATE	/S/ Rodney Taylor ROADWAY STANDARDS 137 UNIT SUPERVISOR	ENT	
FHWA			

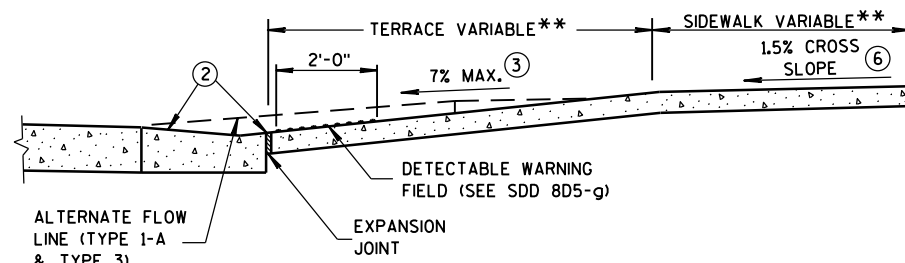


**PLAN VIEW
TYPE 1 RAMP**
(CENTER OF CORNER RADIUS)

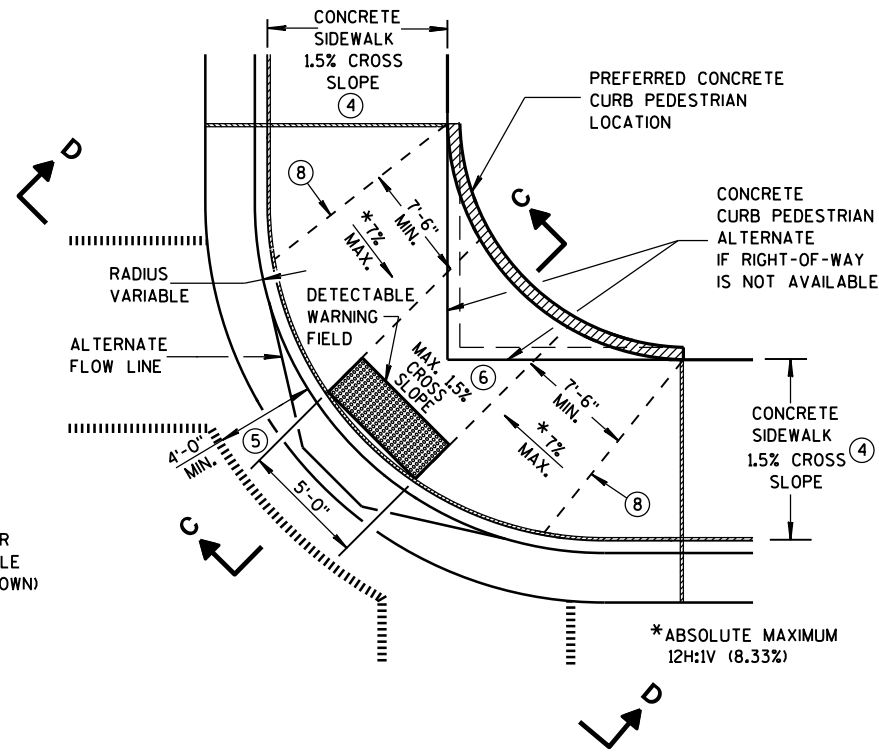


VIEW A-A

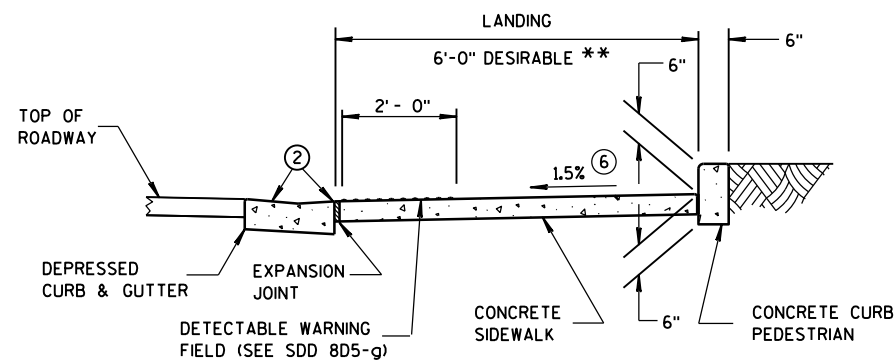
** WIDTH SHOWN ELSEWHERE
IN THE PLANS



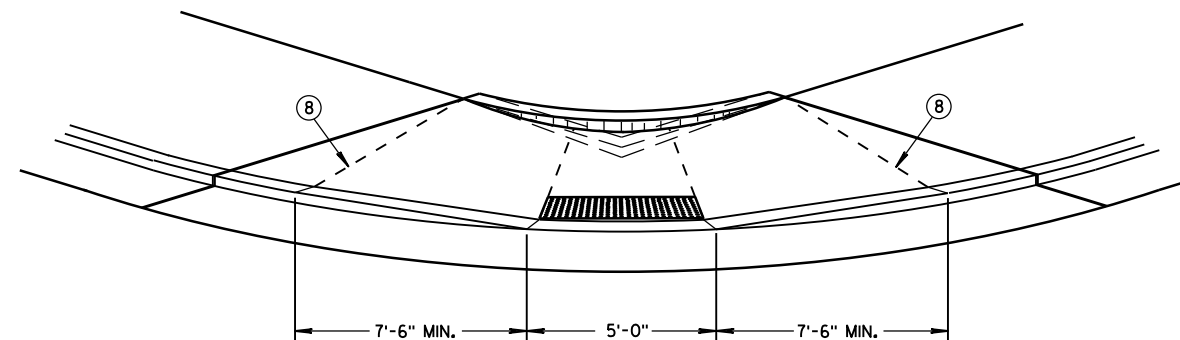
SECTION B-B



**PLAN VIEW
TYPE 1-A RAMP**
(NO TERRACE)



SECTION C-C



VIEW D-D

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 RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FIELD 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 LINEAL 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.

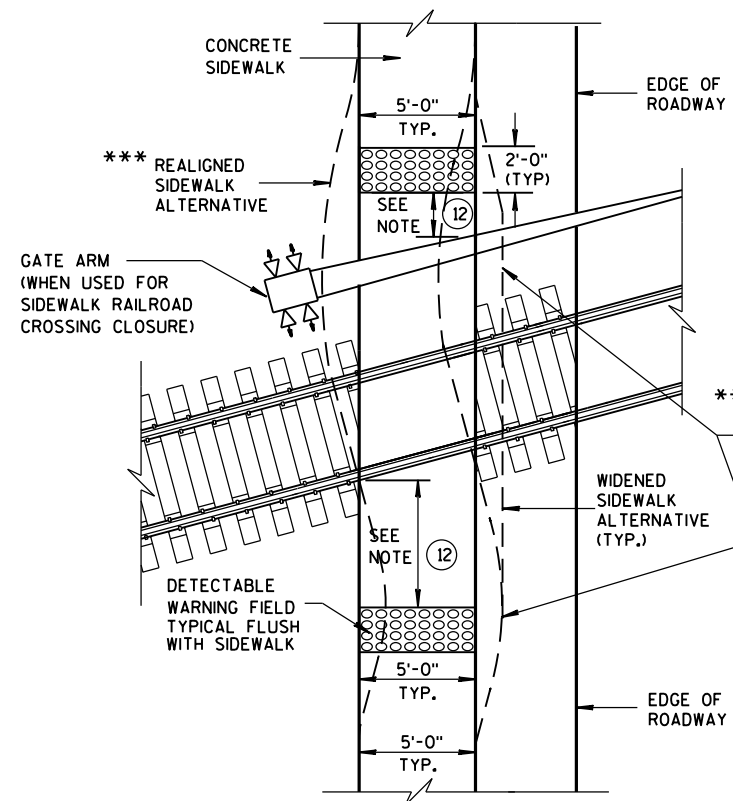
- ① THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.
- ② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN 1/4-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 ABSOLUTE MAXIMUM 12H:1V (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 LANDING SIZE IS 5 FEET X 5 FEET.
- ⑧ PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

LEGEND

- 1/2" EXPANSION JOINT-SIDEWALK
- - - - CONTRACTION JOINT FIELD LOCATED
- ||||| PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT

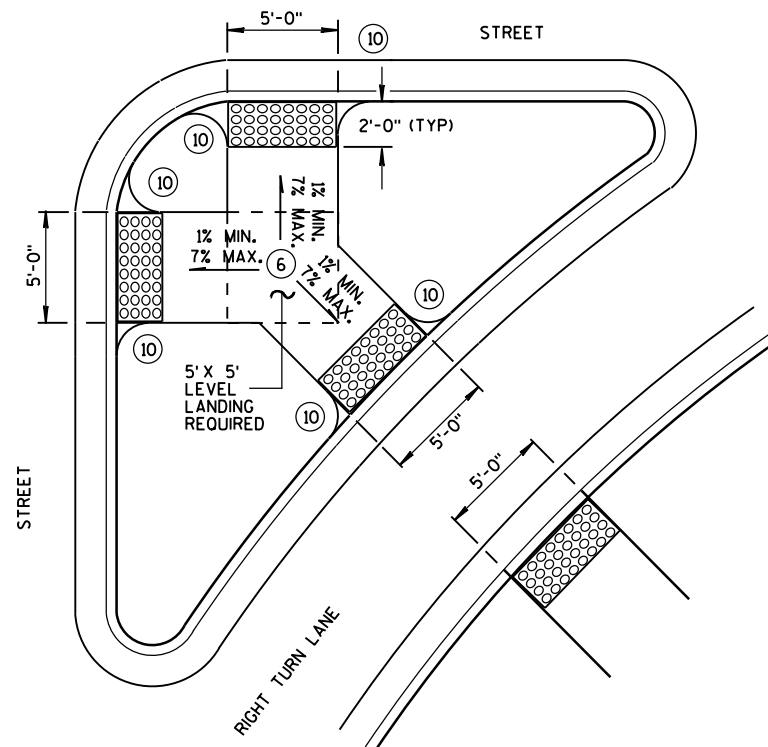
**CURB RAMPS
TYPES 1 AND 1-A**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 138

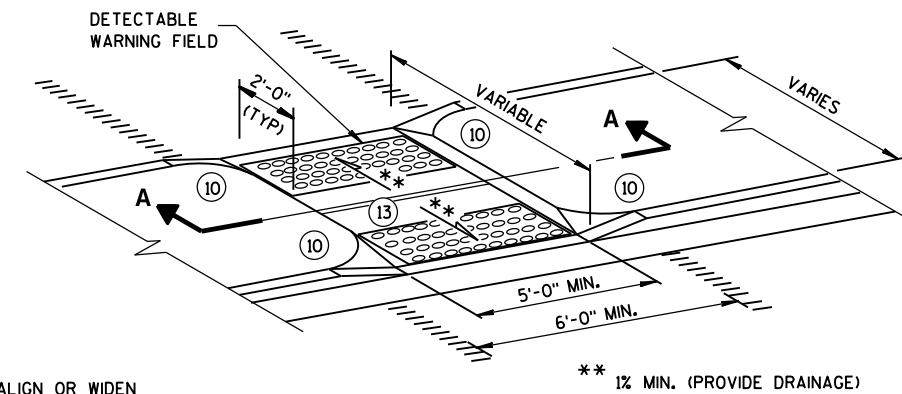


TYPE 8
DETECTABLE WARNINGS
AT RAILROAD CROSSING

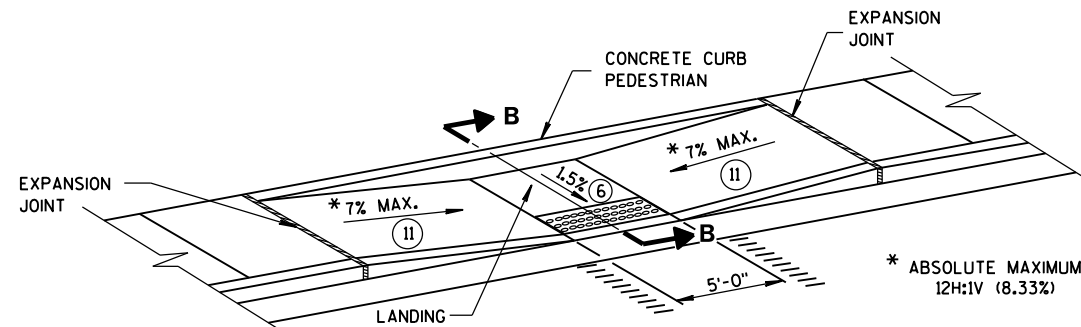
REFER TO GENERAL NOTES ② AND ③
FOR ALL ISLAND CURB RAMP



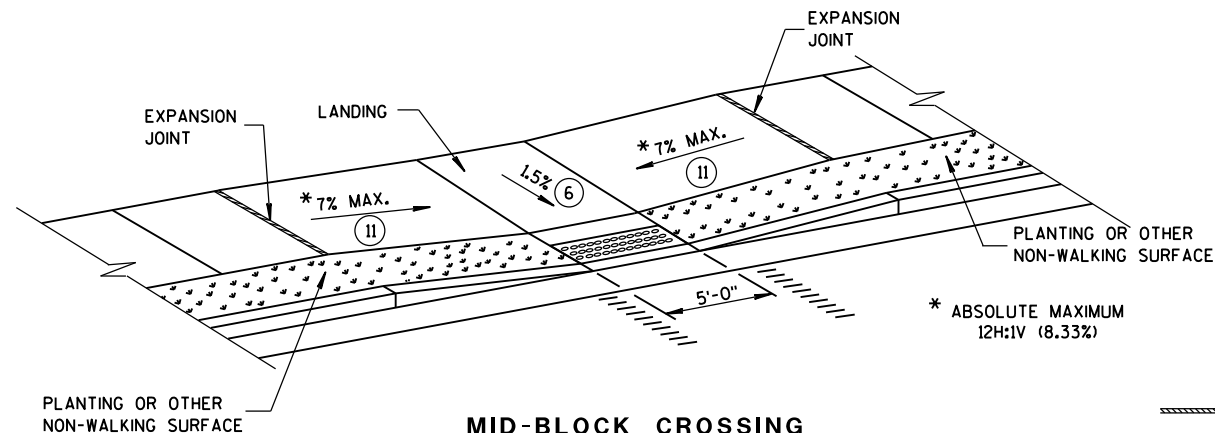
TYPE 6
DETECTABLE WARNING AT ISLANDS



MEDIAN ISLAND
NON-ELEVATED PEDESTRIAN CROSSING
TYPE 5



MID-BLOCK CROSSING
TYPE 7A



MID-BLOCK CROSSING
TYPE 7B

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMP
MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.

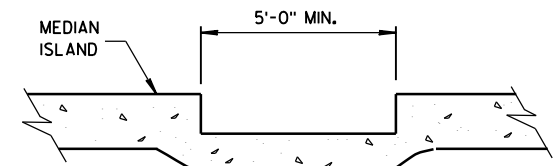
GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

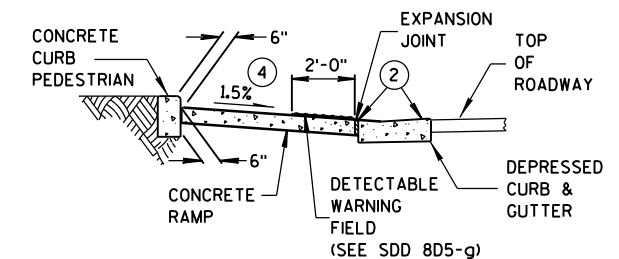
SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

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 1/4-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 ABSOLUTE MAXIMUM 12H:1V (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 X 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 15 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 STREET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2-FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.



SECTION A-A



SECTION B-B

LEGEND

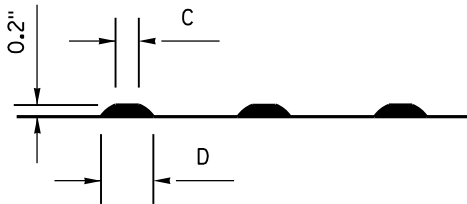
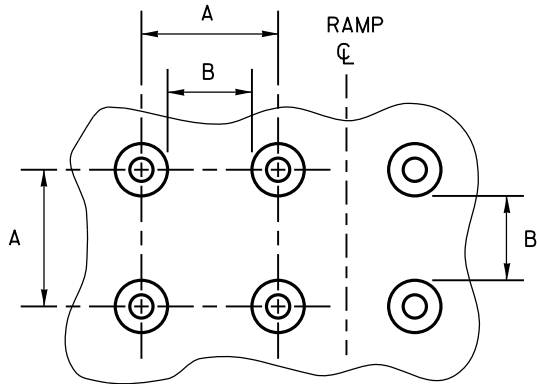
- 1/2" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMP
TYPES 5, 6, 7A, 7B & 8

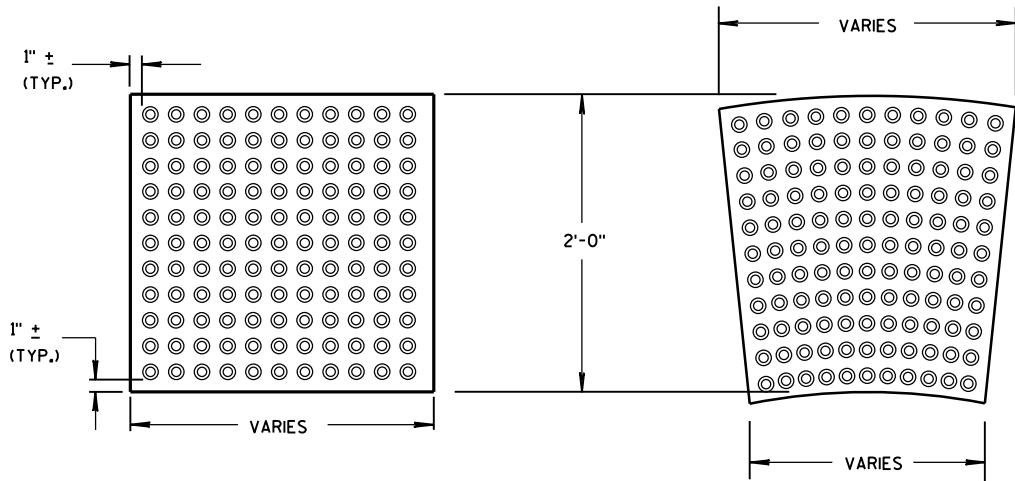
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 139

	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.



TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



PLAN VIEW

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, 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 FIELD ARE PROHIBITED.

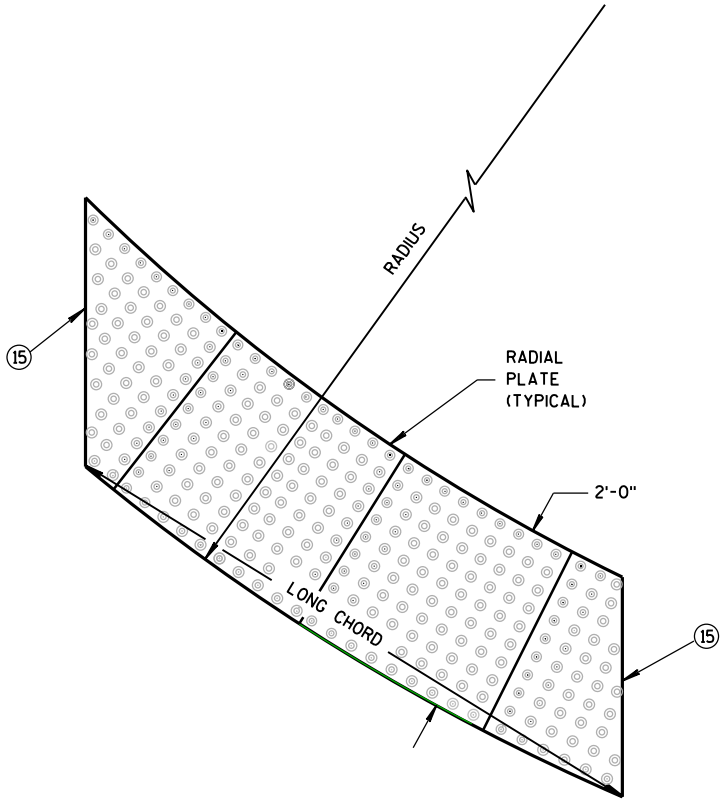
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

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 WEDGES IN COMBINATION WITH SQUARE PANELS 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.

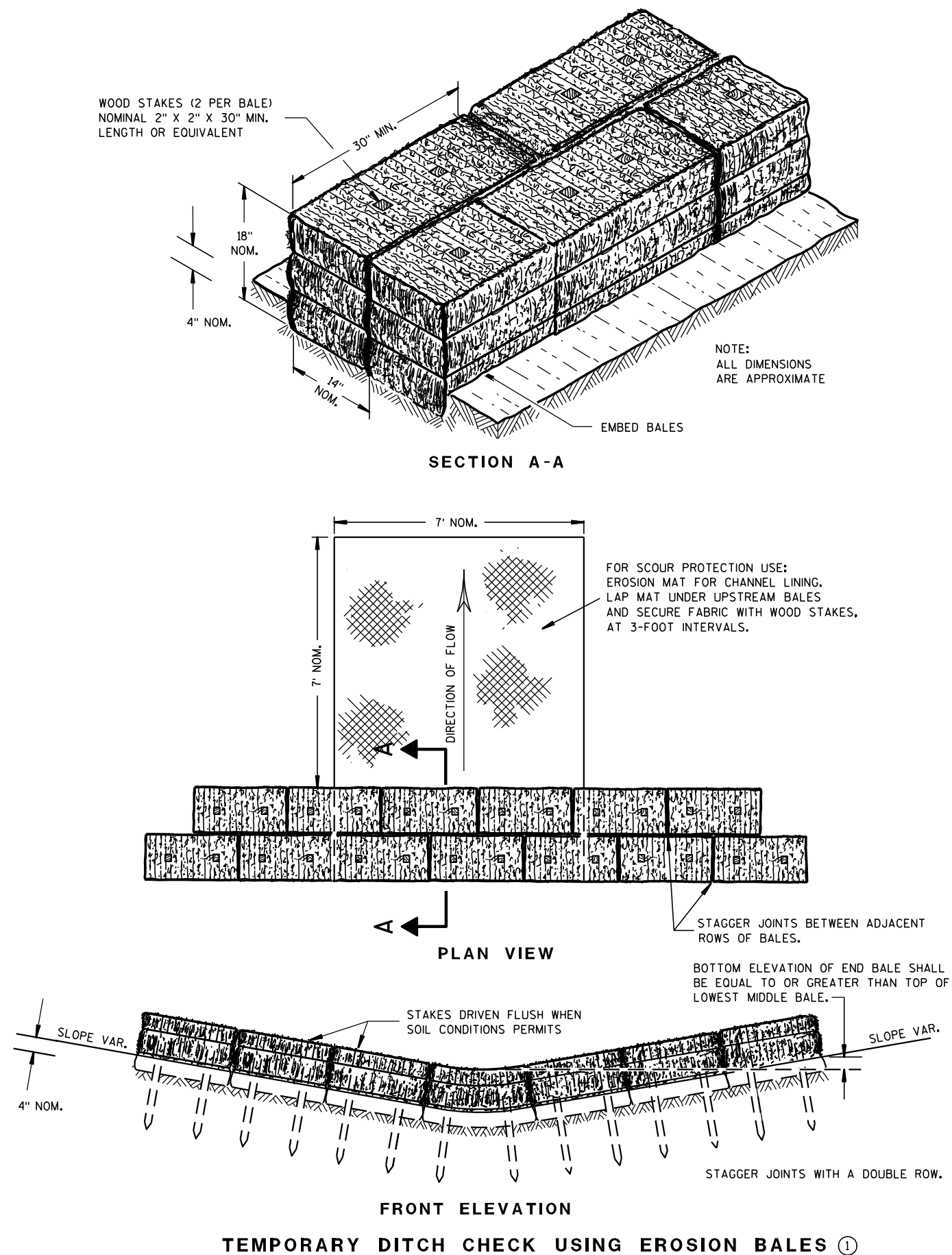
15 FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN 1/8" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



CURB RAMPS
RECTANGULAR AND RADIAL
DETECTABLE WARNING PLATES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

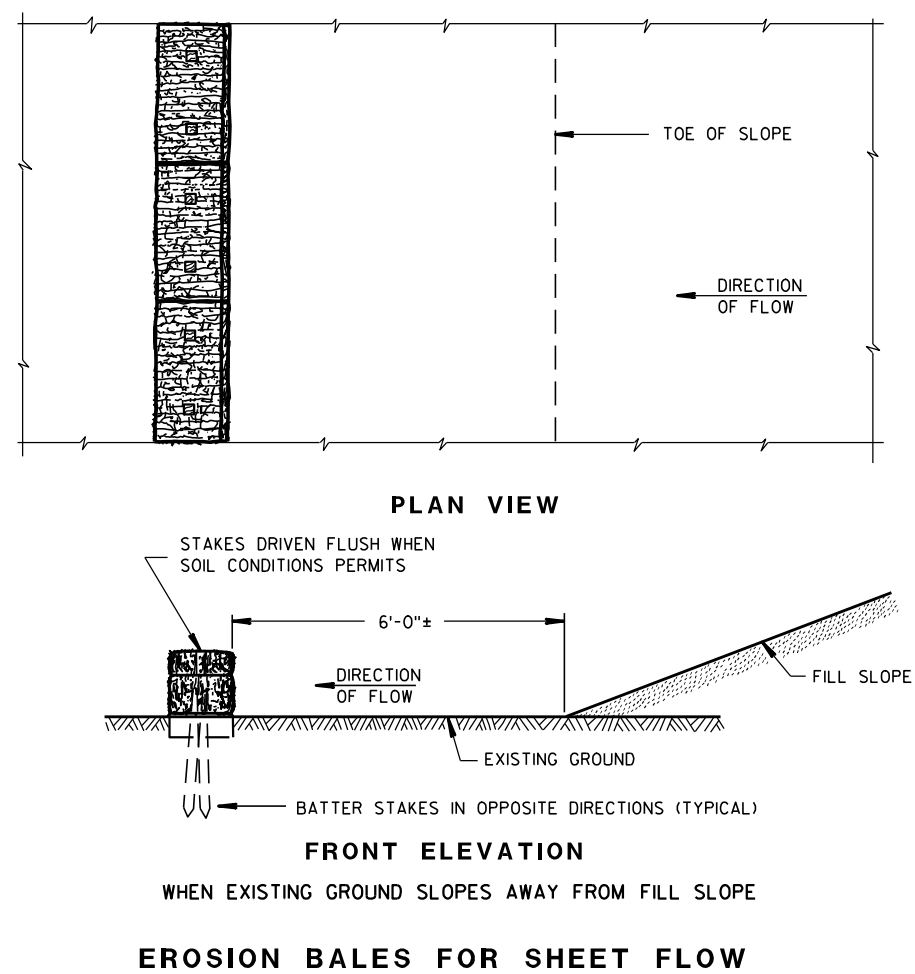
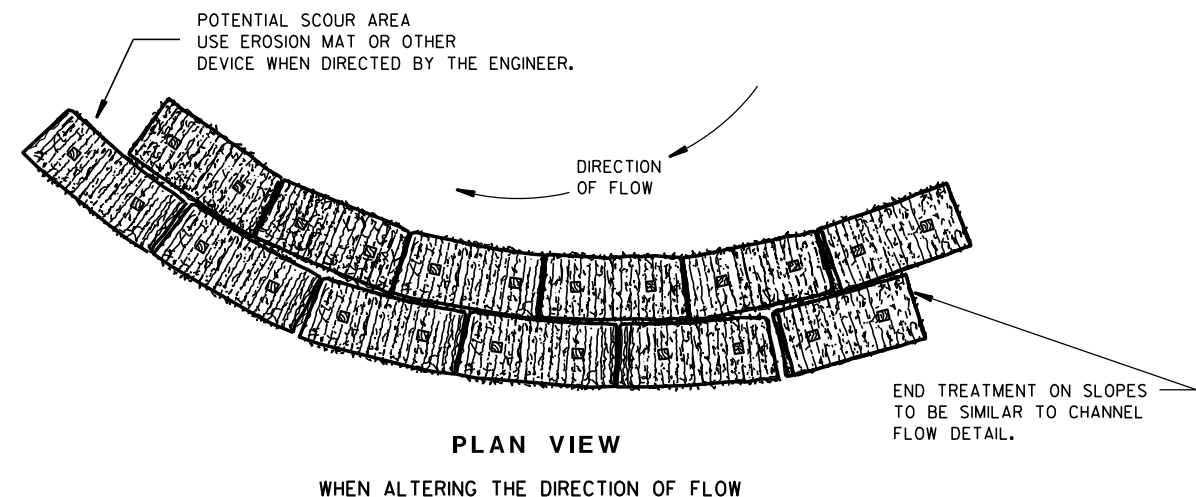
APPROVED
June, 2017 /S/ Rodney Taylor
DATE ROADWAY STANDARDS UNIT SUPERV ENT
FHWA 140



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.

TYPICAL INSTALLATIONS OF
EROSION BALES / TEMPORARY
DITCH CHECKS

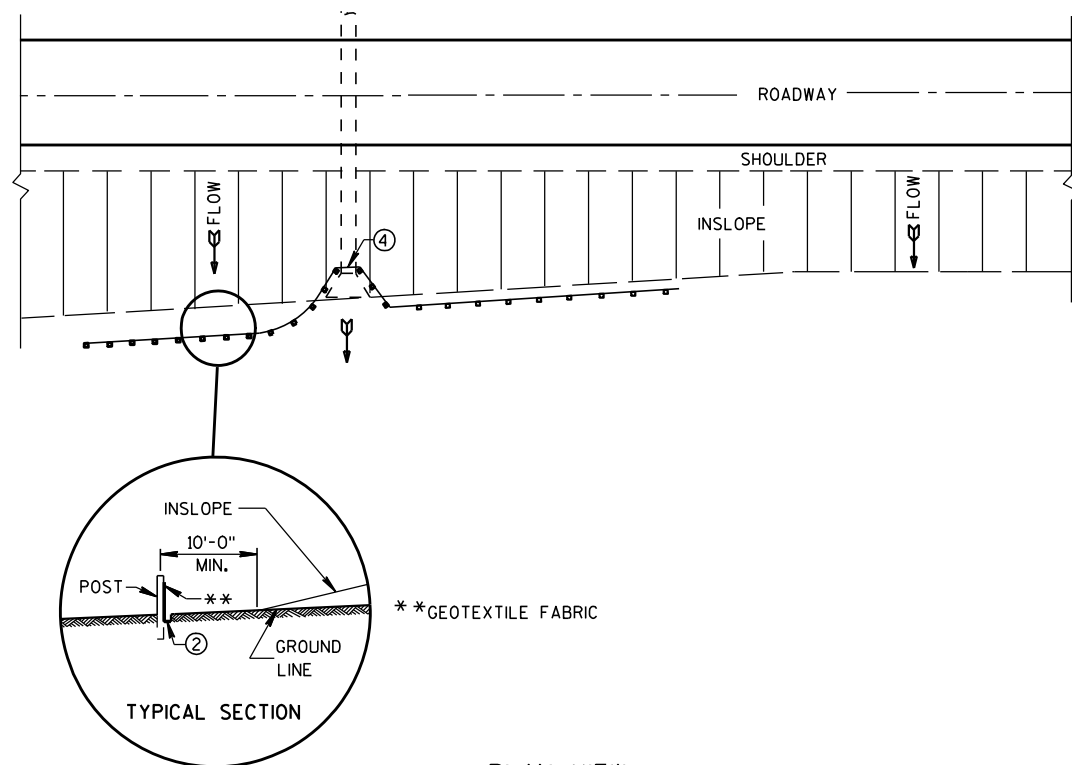
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

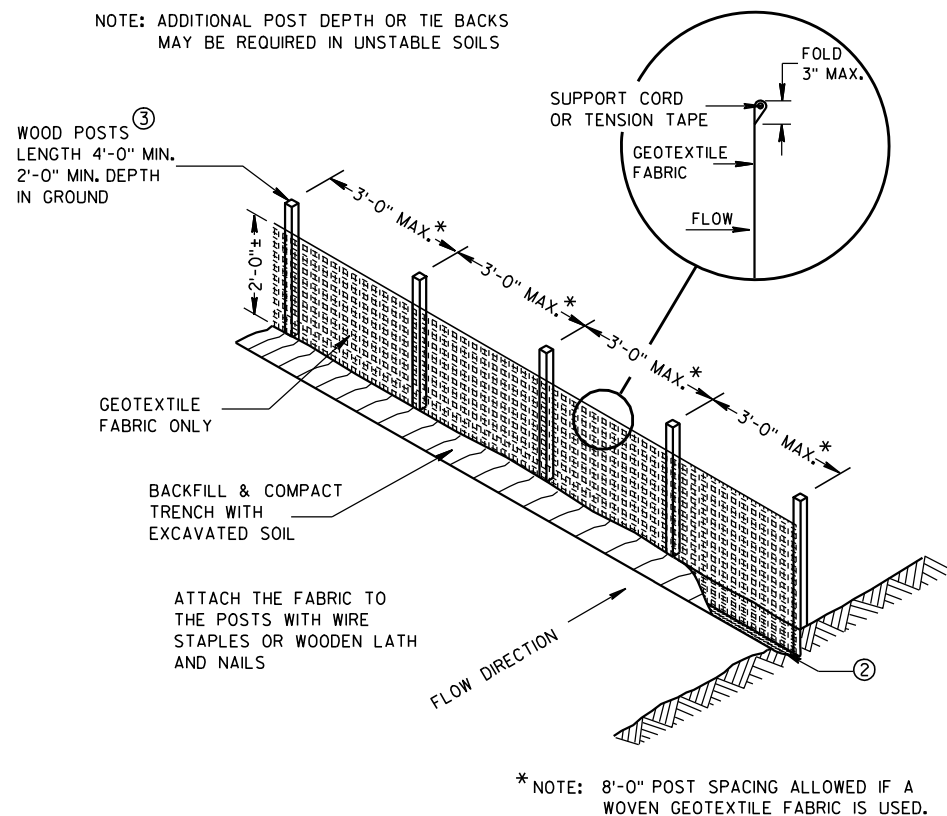
6/04/02
DATE

/S/ Beth Conn-----
CHIEF ROADWAY DEVELOPER 141 ENGINEER

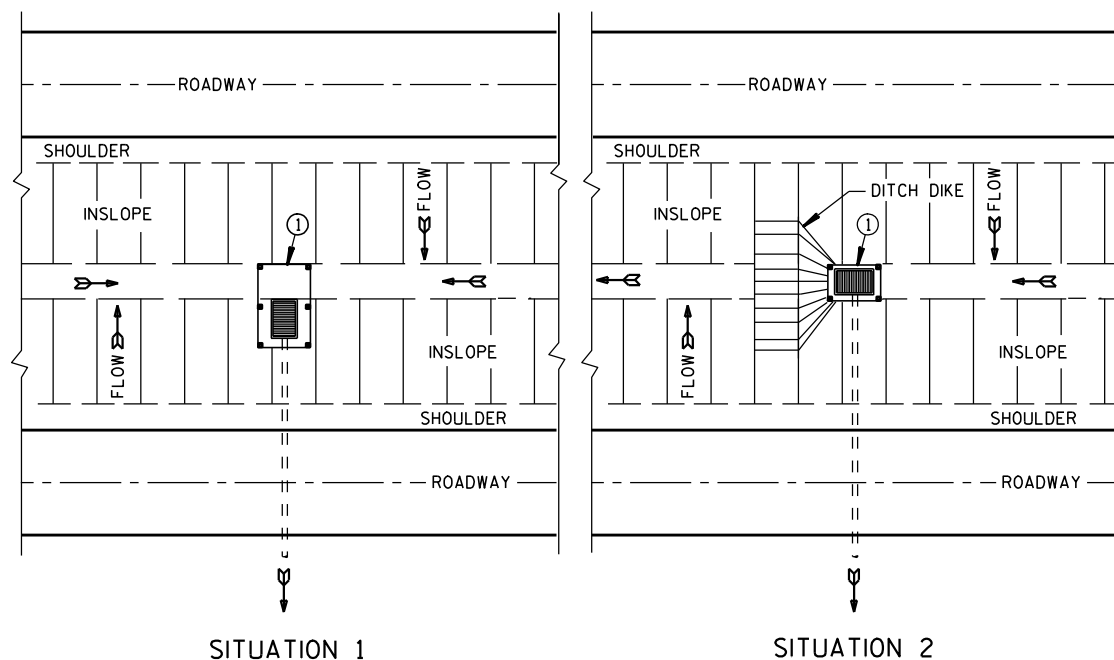
FHWA



TYPICAL APPLICATION OF SILT FENCE

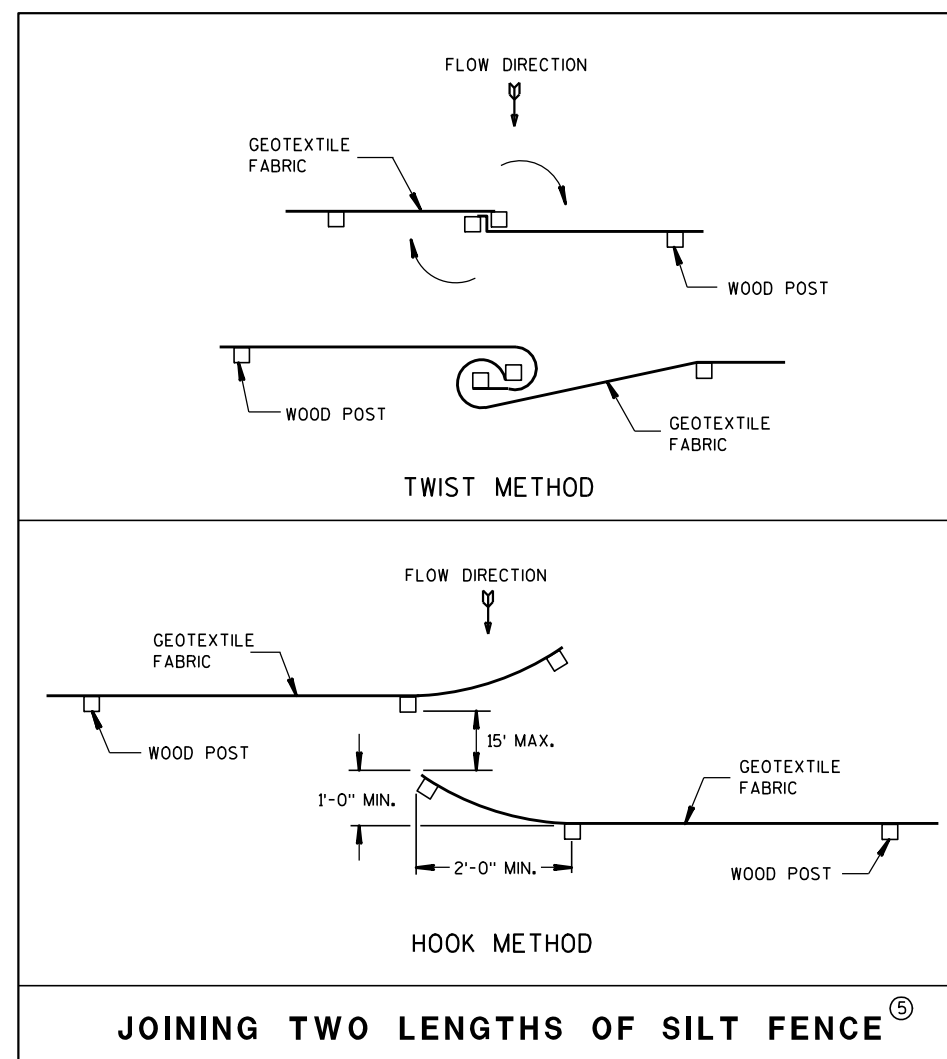


SILT FENCE



PLAN VIEW

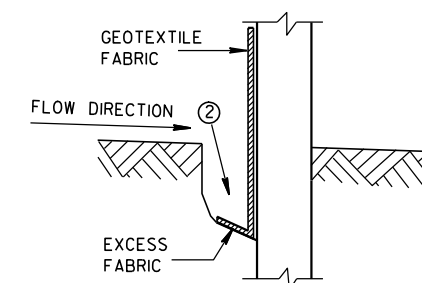
SILT FENCE AT MEDIAN SURFACE DRAINS



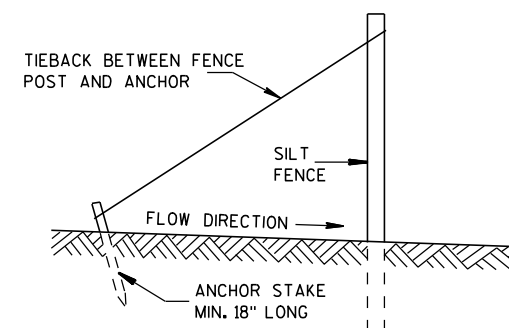
GENERAL NOTES

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 1 1/8" X 1 1/8" 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 TIE BACK (WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4-29-05

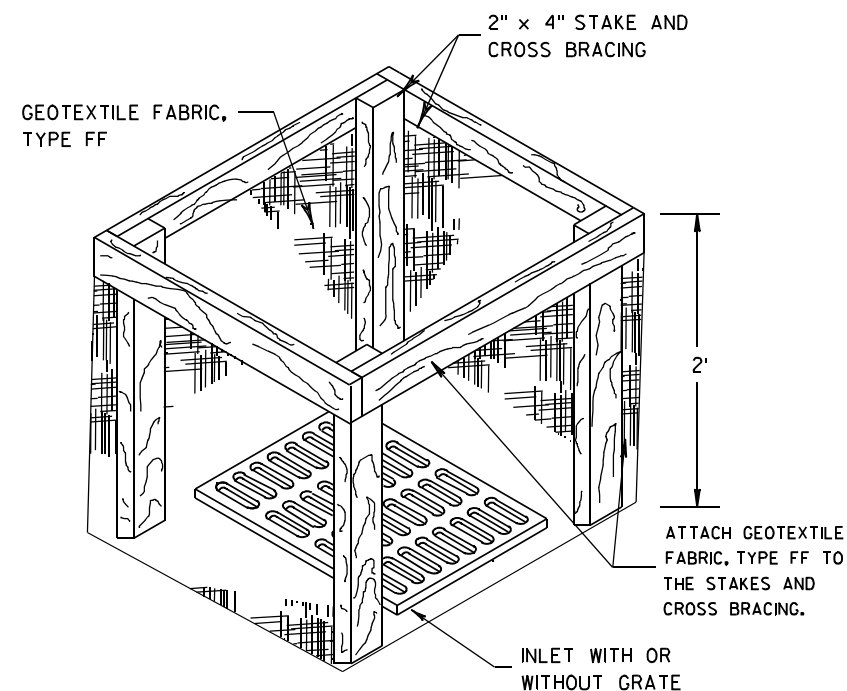
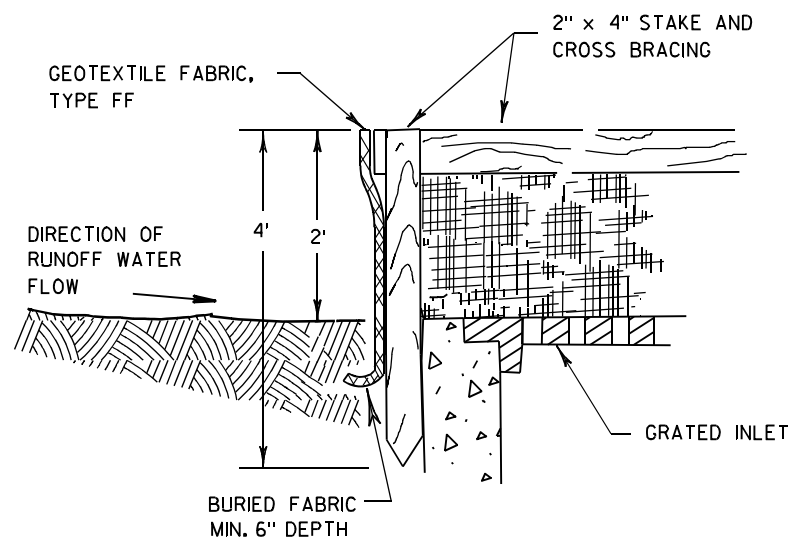
DATE

/S/ Beth Conn

CHIEF ROADWAY DEVELOPER

FHWA

ENGINEER



INLET PROTECTION, TYPE A

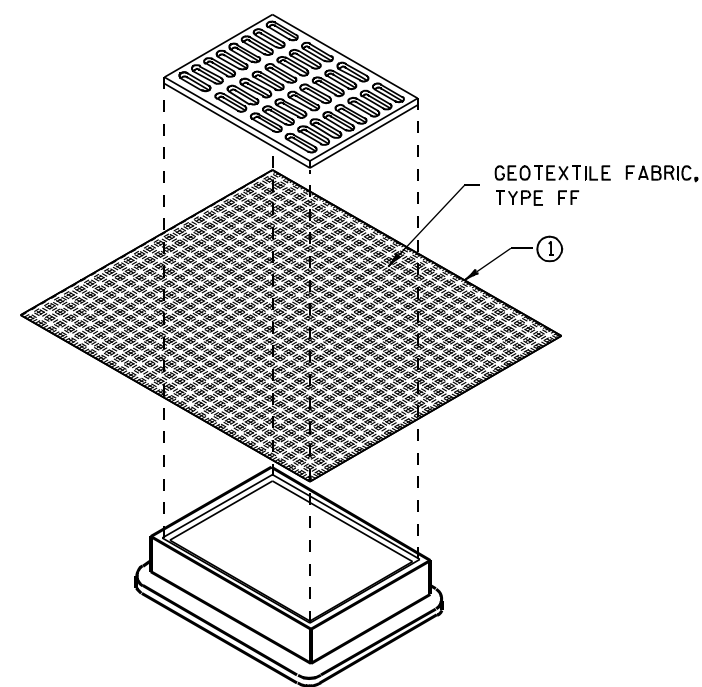
GENERAL NOTES

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.

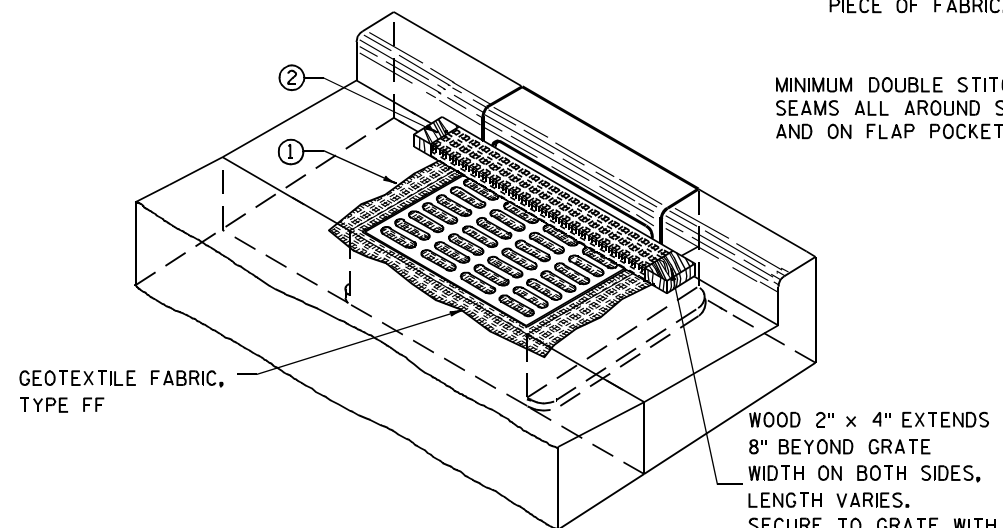
WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- 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.



**INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)**

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

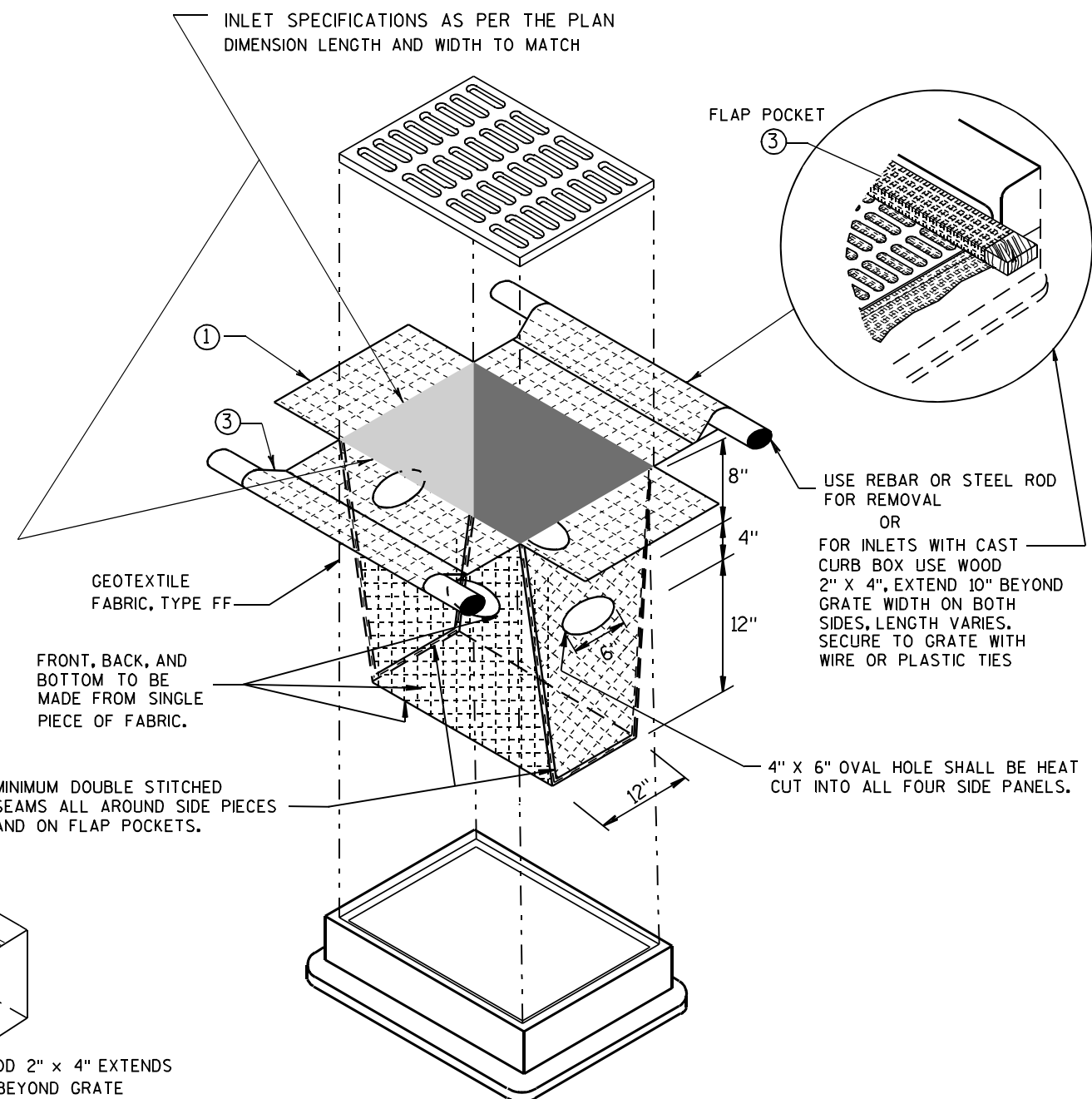
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

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.



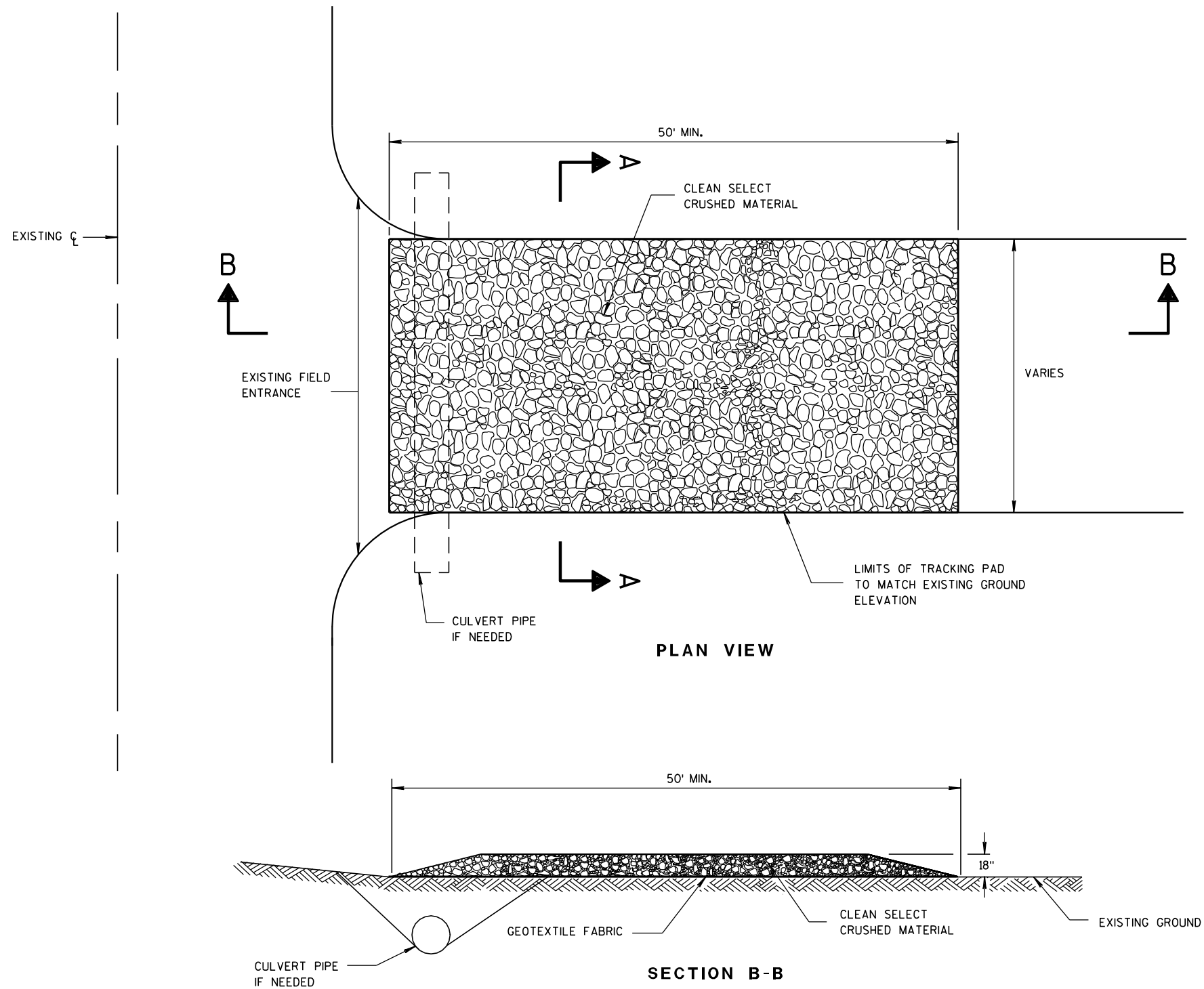
INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH OR WITHOUT A CURB BOX AS PER NOTE ②)

**INLET PROTECTION
TYPE A, B, C, AND D**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
10/16/02 /S/ Beth Connolly
DATE 143
FHWA CHIEF ROADWAY DEVELOPMENT ENGINEER



TRACKING PAD

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.

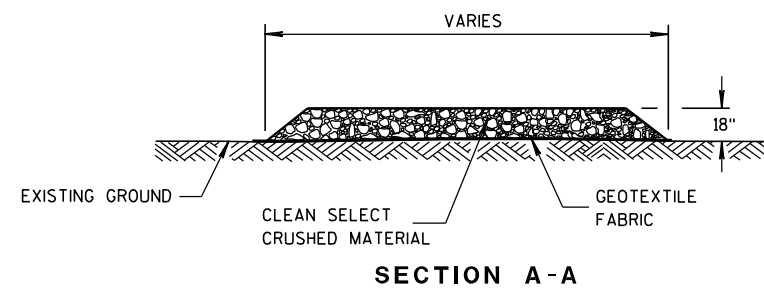
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

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.



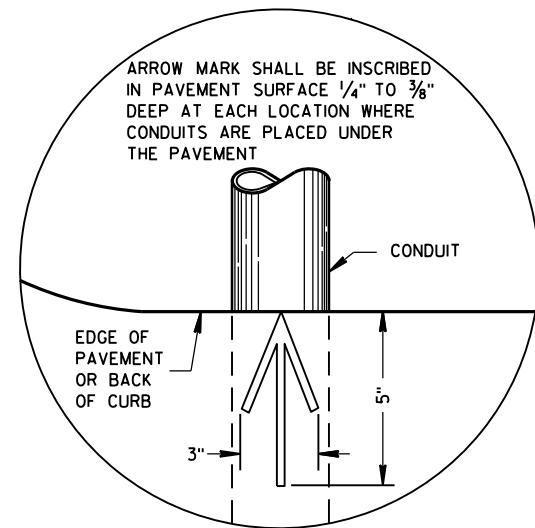
SECTION A-A

TRACKING PAD

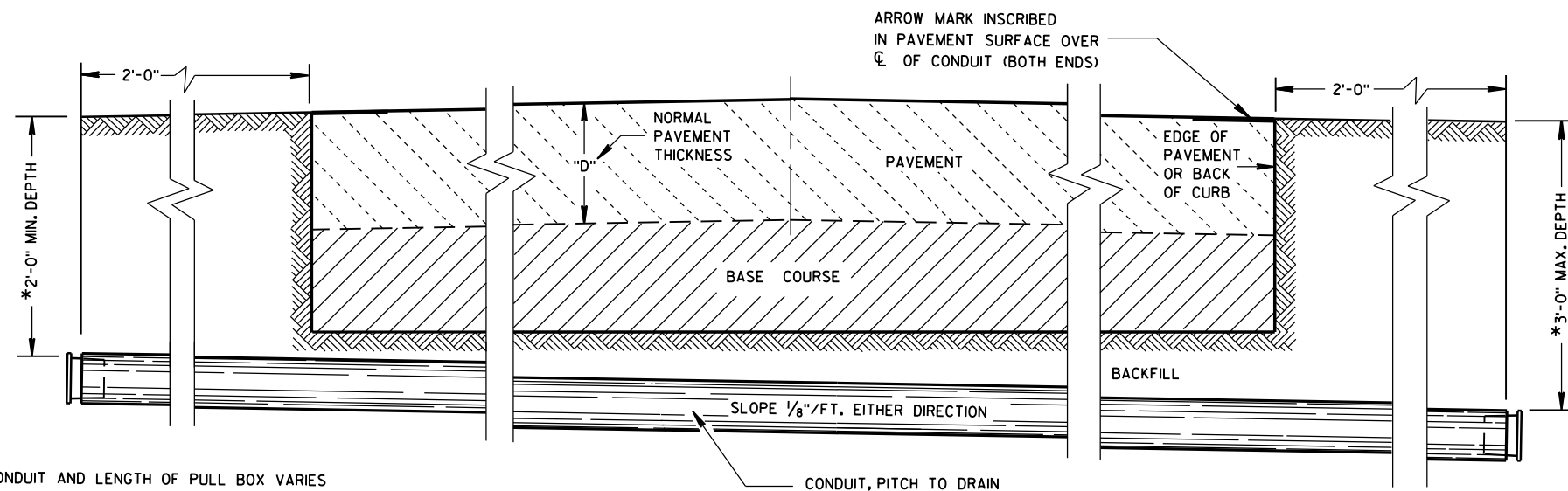
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zonn
ROADWAY STANDARDS 144
ENGINEER
ENT

FHWA



PLAN VIEW
ARROW MARK



SIDE ELEVATION
DETAIL FOR CONDUIT UNDER PAVED HIGHWAYS

*DEPTH OF CONDUIT AND LENGTH OF PULL BOX VARIES
WITH HEIGHT OF CURB USED. ALSO SEE PULL BOX S.D.D. 9B4

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 /S/ Ahmet Demirbilek
DATE STATE ELECTRICAL 145
FHWA

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.

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.

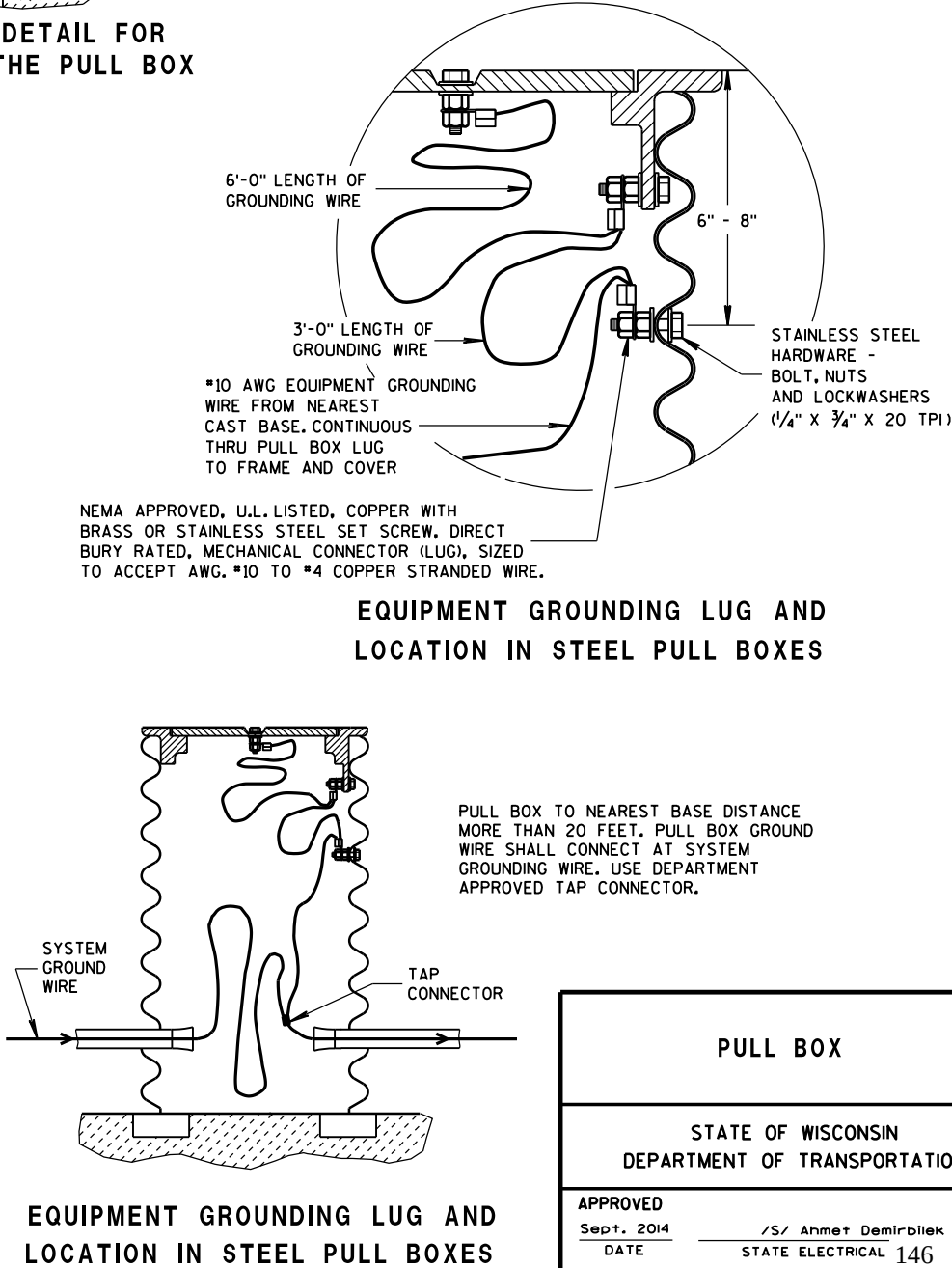
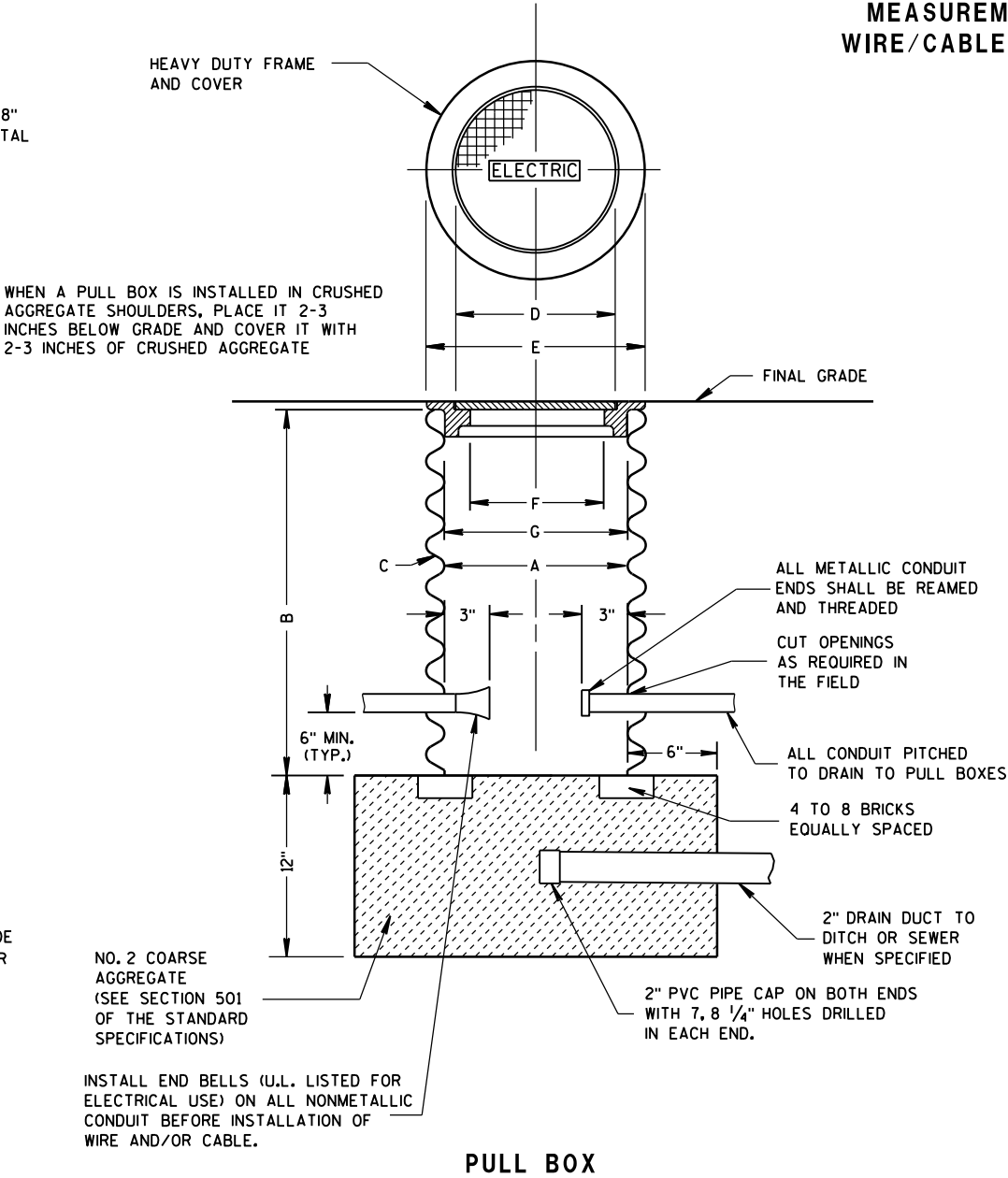
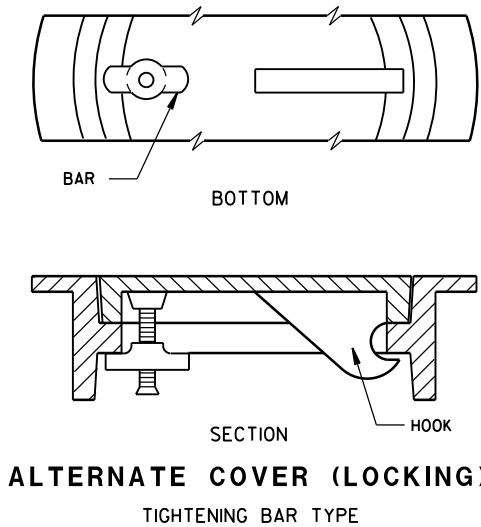
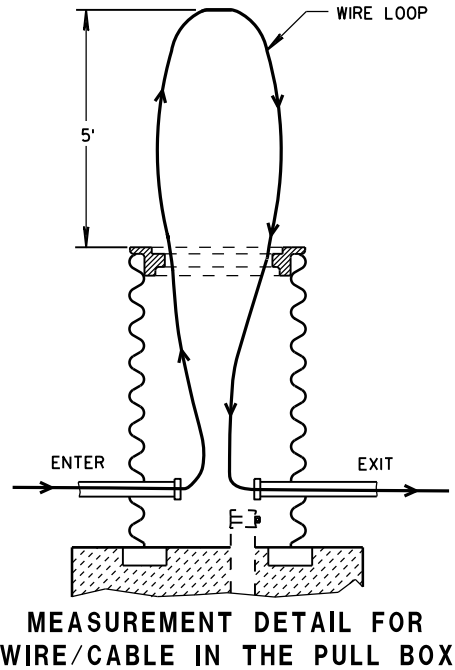
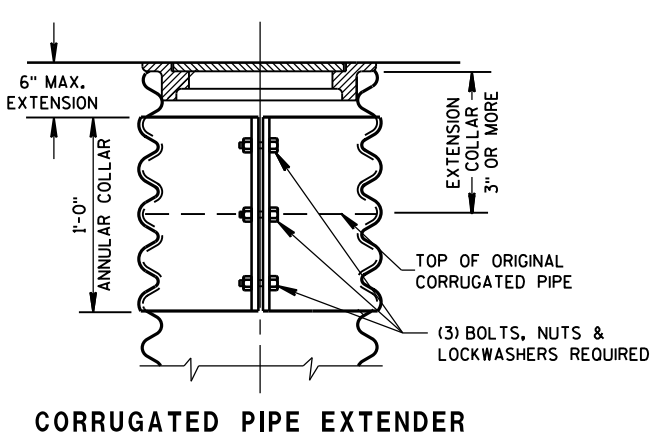
ENTRANCE HOLES INTO PULL BOXES SHALL BE CUT WITH A CIRCULAR HOLE SAW OR HYDRAULIC CONDUIT PUNCH. HOLE SIZE SHALL BE THE OUTSIDE DIAMETER OF THE CONDUIT THAT IS TO FIT IN THE OPENING PLUS NO MORE THAN 1/4".

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	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED Sept. 2014 DATE	/S/ Ahmet Demirbilek STATE ELECTRICAL 146
FHWA	

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL 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 AS 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 AT THE ENTRANCE OF THE BASE.

MINIMUM BENDING RADIUS OF CONDUIT IS EQUAL TO 6 X 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 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.

ENDS OF CONDUIT INSTALLED BELOW GRADE FOR FUTURE USE SHALL BE CAPPED IF METALLIC OR PLUGGED IF NONMETALLIC.

WHEN REQUIRED TO CONNECT NONMETALLIC 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).

THE EQUIPMENT GROUNDING CONDUCTOR SHALL 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.

ANCHOR RODS SHALL BE 1" X 60".

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.

WHEN ANCHOR RODS USING THE ALTERNATE "L" BEND ARE FURNISHED, THE 4" "L" BEND SHALL BE IN ADDITION TO THE SPECIFIED ANCHOR ROD BAR LENGTH. THE "L" BEND END SHALL NOT BE THREADED.

WELDING OF THE ANCHOR RODS TO THE CAGE IS UNACCEPTABLE. TIE WIRES SHALL BE USED.

ANCHOR RODS SHALL BE INSTALLED WITH MISALIGNMENTS OF LESS THAN 1:40 FROM VERTICAL.

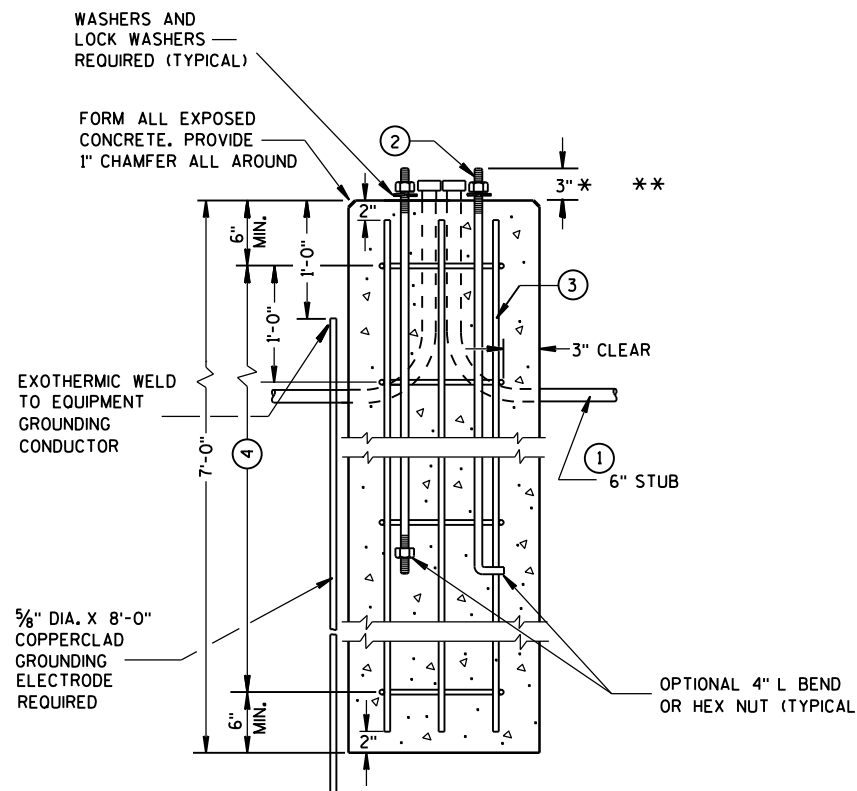
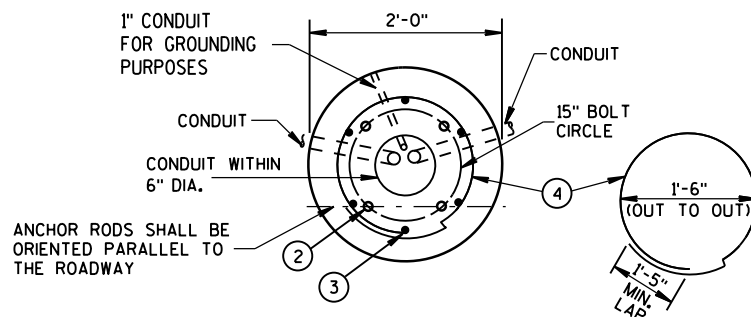
BAR STEEL REINFORCEMENT SHALL BE COATED WITH POWDERED EPOXY RESIN IN ACCORDANCE WITH SECTION 505 OF THE STANDARD SPECIFICATIONS (LATEST EDITION).

- 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 BY THE ENGINEER.

- ② (4) 1" DIA. X 5'-0" ANCHOR RODS.

- ③ (6) NO. 6 X 6'-8" BAR STEEL REINFORCEMENT.

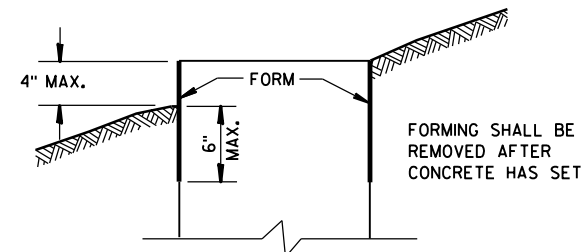
- ④ (7) NO. 4 X 6'-2" BAR STEEL REINFORCEMENT @ 1'-0" C-C.



**CONCRETE BASE, TYPE 7
(FOR 40' LIGHT POLES)**

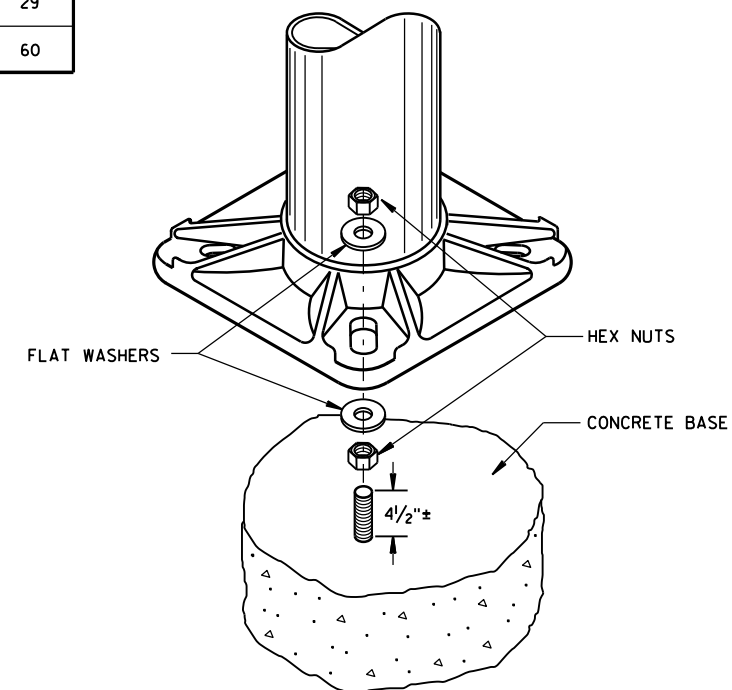
- * ANY ANCHOR ROD PROJECTION SHORTER THAN 2 3/4" OR LONGER THAN 3 1/4" SHALL REQUIRE THE BASE TO BE REMOVED AND REPLACED AT THE CONTRACTORS EXPENSE.
- ** FOR NONBREAKAWY INSTALLATIONS, 4 1/2" ± ANCHOR ROD PROJECTION WITH THE USE OF LEVELING NUTS. RODENT SCREEN REQUIRED.

FORM DEPTH SHALL BE NO MORE THAN 6" BELOW GRADE ON THE LOWER SIDE OF BASE



FORMING DETAIL

QUANTITY REQUIREMENTS	
APPROX. CUBIC YARDS OF CONCRETE	0.8
LBS. OF HOOP BAR STEEL	29
LBS. OF VERTICAL BAR STEEL	60



**NON-BREAKAWAY INSTALLATION
(LEVELING NUT)**

CONCRETE BASE, TYPE 7

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept. 2014
DATE
FWHA

/S/ Ahmet Demirbilek
STATE ELECTRICAL 147

6

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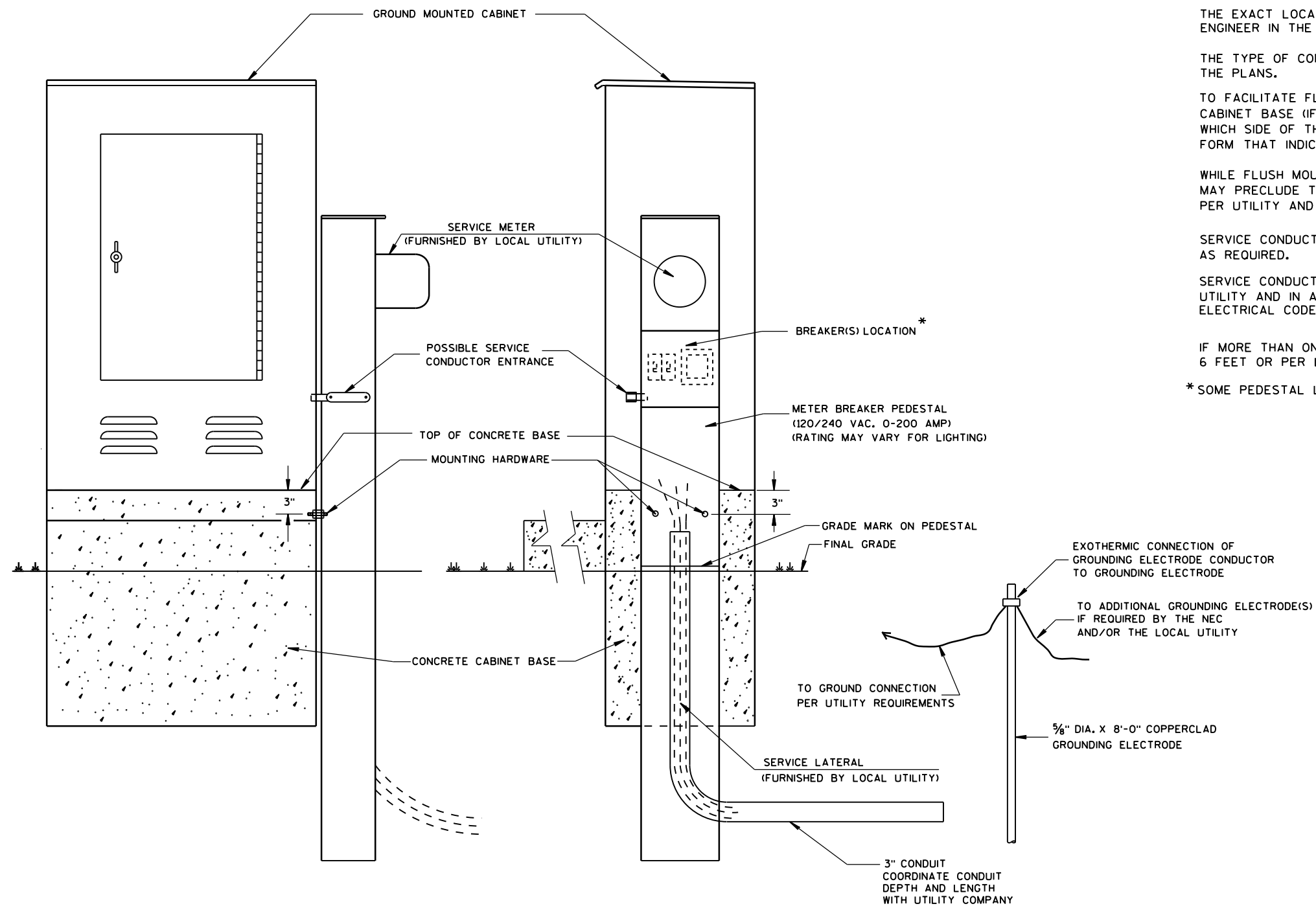
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S.D.D. 9 C 11-10



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)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

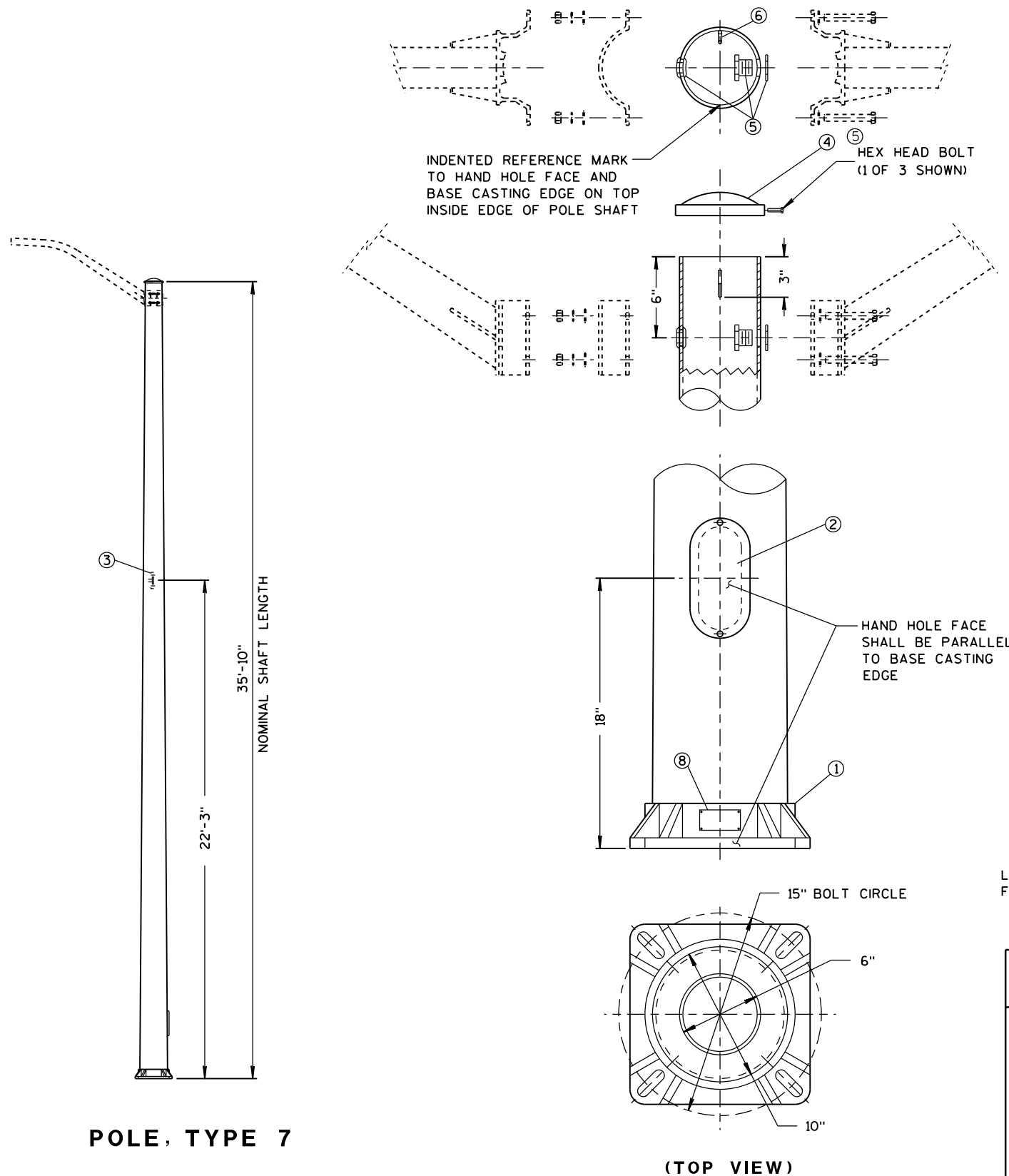
Sept. 2014

DATE

FHWA

/S/ Ahmet Demirbilek

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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.

SLOTTED ANCHOR ROD HOLES FOR 1"-8 UNC ANCHOR RODS (4 EACH, 15" BOLT CIRCLE), SHALL BE PROVIDED IN BASE CASTING.

POLES SHALL BE CONSTRUCTED OF 6063-T6 ALUMINUM. EXCEPT THAT BASE CASTINGS SHALL BE CONSTRUCTED OF 356-T6 ALUMINUM. THE SHAFT SHALL BE ROUND AND UNIFORMLY TAPERED FROM A 10" O.D. BUTT TO A 6" O.D. TOP.

HEAT TREATMENT OF WELDMENTS IN STRUCTURAL AREAS (e.g. BASE CASTING, HAND HOLE, BRACKET FOR GROUNDING LUG) REQUIRED.

ALL THREADED FASTENER COMPONENTS SHALL BE STAINLESS STEEL. NUTS SHALL BE HEX NUTS. BOLTS SHALL BE HEX HEAD. ALL THREADED SURFACES SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.

LUMINAIRE ARMS AND CLAMP ASSEMBLIES SHOWN FOR INFORMATION ONLY (PAID SEPARATELY).

LUMINAIRE LOADING FOR DESIGN CALCULATION SHALL BE 50 LBS. IN WEIGHT AND 1.5 SQ. FT. FOR E.P.A.

- ① SHOE BASE.
- ② 4" x 6" REINFORCED HANDHOLE & COVER ASSEMBLY SECURED BY TWO (2) 1/4" x 3/4" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.

HANDHOLE SHALL BE 90 DEGREES FROM LUMINAIRE ARMS OF TWIN LUMINAIRE POLES; 180 DEGREES FROM LUMINAIRE ARM OF SINGLE LUMINAIRE POLES; 0 DEGREES FROM LUMINAIRE ARM FOR STRUCTURE MOUNTED POLES.
- ③ INTERNAL DUMBBELL-TYPE VIBRATION DAMPER.
- ④ FURNISH AND INSTALL CAST OR METALLIC (ALUMINUM ALLOY) POLE CAP. FASTEN CAP WITH THREE 1/4" x 3/4" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.
- ⑤ 1 3/8" FIELD DRILLED HOLE WITH 1" CHASE NIPPLE AND NUT (OR NEO-PRENE GROMMET), PER EACH REQUIRED LUMINAIRE ARM.
- ⑥ FACTORY-WELDED "J" HOOK FOR POLE WIRE STRAIN RELIEF.
- ⑦ FACTORY-WELDED BRACKET FOR GROUNDING LUG, OPPOSITE HANDHOLE. (LUG AND HARDWARE PAID UNDER SEPARATE ITEMS; SHOWN FOR INFORMATION ONLY). PROVIDE HOLE IN BRACKET FOR 1/4" x 3/4" - 20 TPI STAINLESS STEEL HEX HEAD BOLTS.
- ⑧ MANUFACTURER'S PLATE SHOWING WISDOT POLE TYPE, MANUFACTURER, AND DATE.

POLE TYPE (NOM. SHAFT LENGTH)	TYPICAL APPLICATION	ARM & LUMINAIRE LOADS (MAX.)	ADDITIONAL (MAX.) LOADS
TYPE 7 (35'-10")	ARTERIALS	TWIN ARMS UP TO 10 FT. (SINGLE MEMBER)	UP TO 20 SQ. FT. ON TRAFFIC SIGNS, MOUNTED AS HIGH AS 15 FT. TO TOP OF SIGN, PLUS 1-3 SECTION, 1-5 SECTION, AND 2-PED. TRAFFIC HEAD
	FREEWAY	SINGLE ARM, UP TO 20 FT. TRUSS TYPE	UP TO 20 SQ. FT. OF TRAFFIC SIGNS, MOUNTED AS HIGH AS 15 FT. TO TOP OF SIGN

POLES, TYPE 7
ALUMINUM - 35'-10" SHAFT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

Sept. 2014

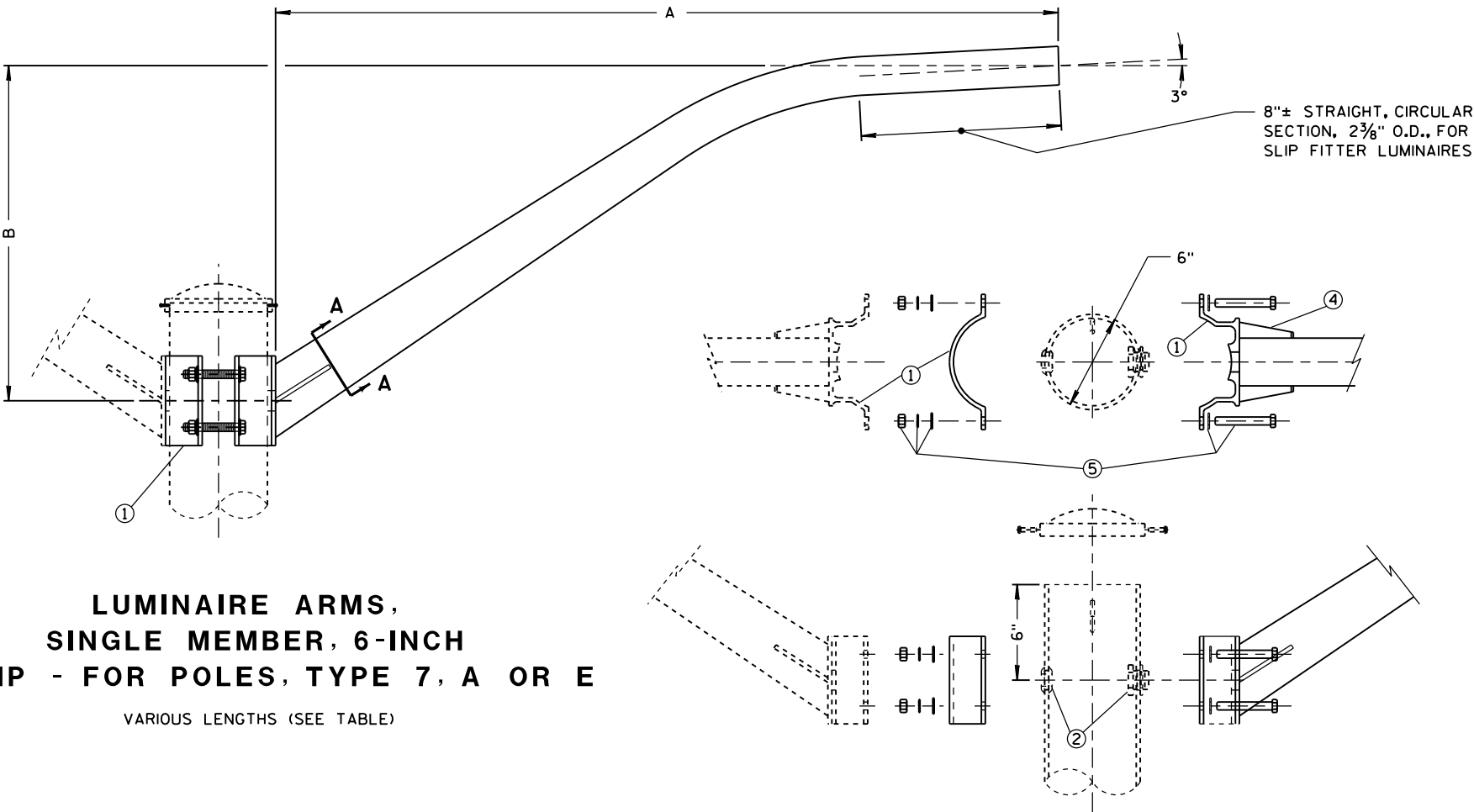
DATE

FHWA

/S/ Ahmet Demirelek

STATE ELECTRICAL 150

LUMINAIRE ARMS,
SINGLE MEMBER, 6-INCH
CLAMP - FOR POLES, TYPE 7, A OR E
VARIOUS LENGTHS (SEE TABLE)



CLAMP ASSEMBLY
SINGLE MEMBER CLAMP SHOWN

TYPE	DIM. A	DIM. B
	NOMINAL ARM LENGTH (FT)	APPROX. RISE (FT)
SINGLE MEMBER	4.0	2.0
SINGLE MEMBER	8.0	3.0
SINGLE MEMBER	10.0	3.0
SINGLE MEMBER	15.0	3.0

GENERAL NOTES

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

ARMS AND CLAMP EXTRUSIONS SHALL BE CONSTRUCTED OF NATURAL FINISH 6063-T6 ALUMINUM.

HEAT TREATMENT OF WELDS IN STRUCTURAL AREAS IS REQUIRED.

ALL THREADED FASTENER COMPONENTS SHALL BE STAINLESS STEEL. NUTS SHALL BE HEX NUTS. BOLTS SHALL BE HEX HEAD. ALL THREADED SURFACES SHALL BE COATED WITH ANTI-SEIZE COMPOUND PRIOR TO INSTALLATION.

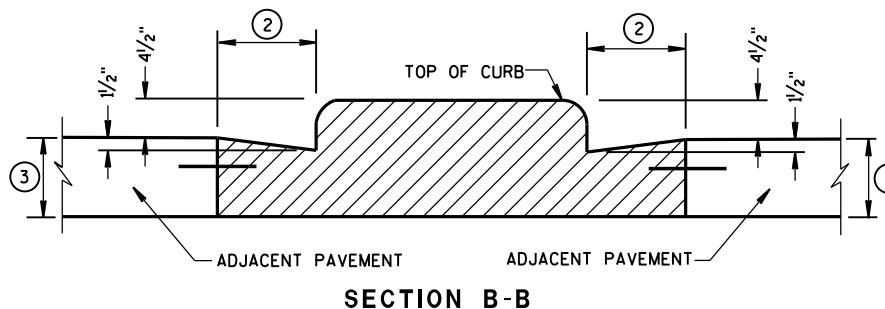
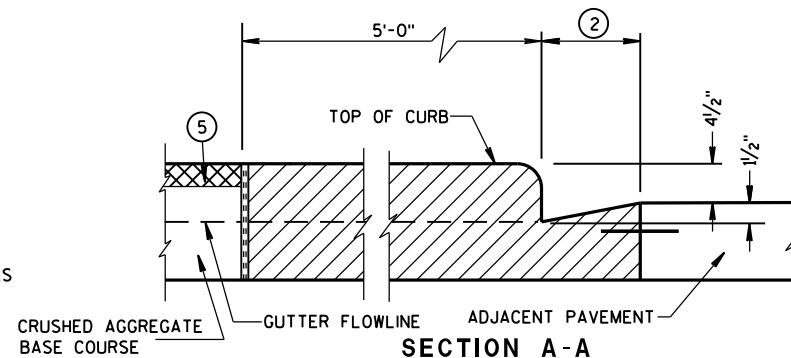
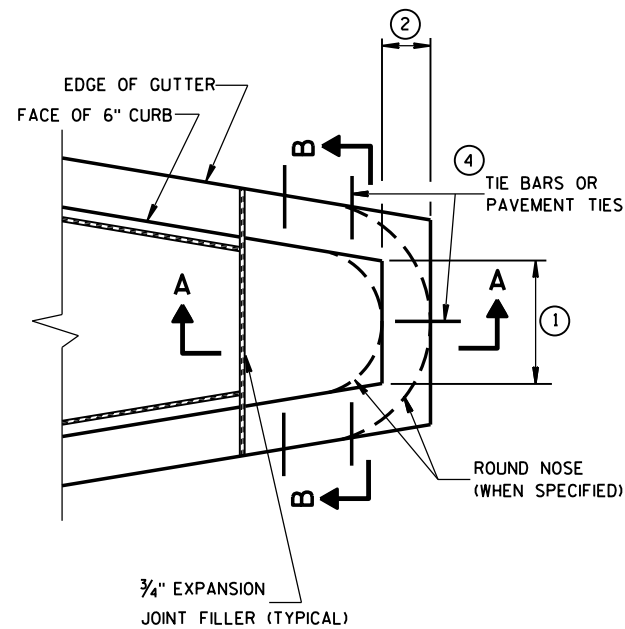
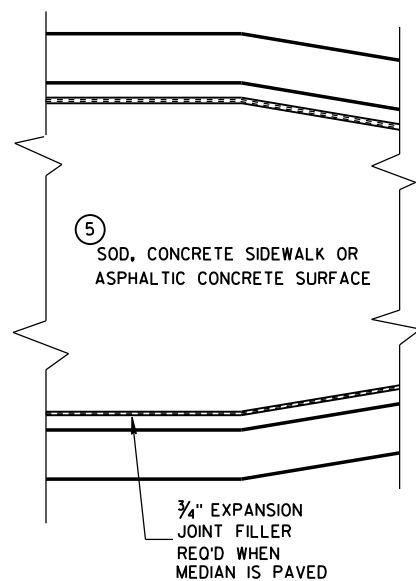
LUMINAIRE LOADING FOR DESIGN CALCULATION SHALL BE 50 LBS. IN WEIGHT AND 1.5 SQ. FT. FOR E.P.A..

- ① CLAMPS SHALL BE EXTRUDED ALUMINUM.
- ② RACE WAY: 1 3/8" FIELD DRILLED HOLE WITH 1" CHASE NIPPLE AND NUT (OR NEOPRENE GROMMET) PER EACH REQUIRED LUMINAIRE ARM. PROVIDE 1 1/2" HOLE IN CLAMP EXTRUSION TO CONTINUE RACEWAY.
- ③ STIFFENER
- ④ GUSSETS REQUIRED.
- ⑤ CLAMP BOLT ASSEMBLY (BOLT - 1/2"-13 UNC, 2 EACH - FLAT WASHER, LOCK WASHER, NUT) - 4 EACH PER CLAMP.

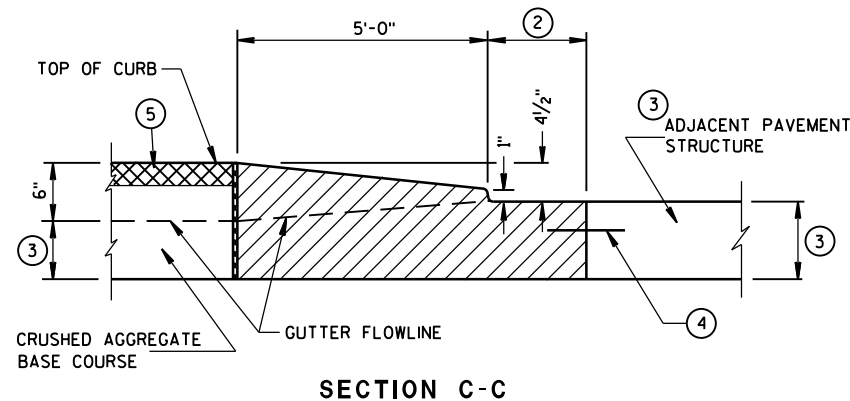
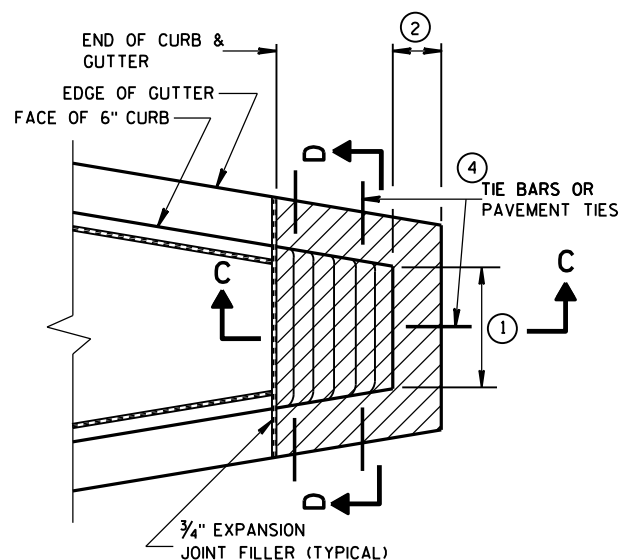
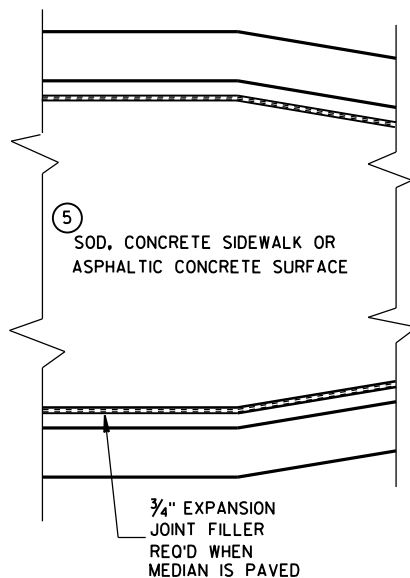
LUMINAIRE ARMS, SINGLE MEMBER
6-INCH CLAMP

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

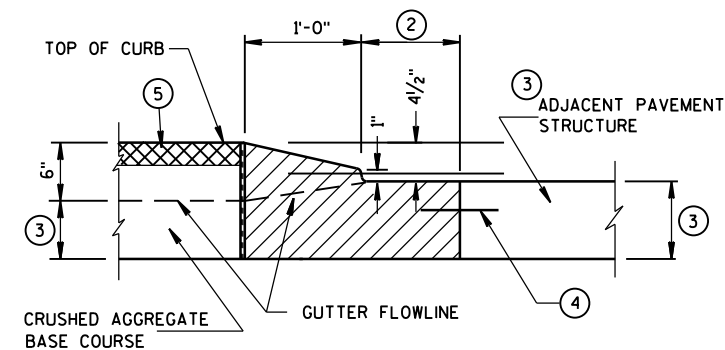
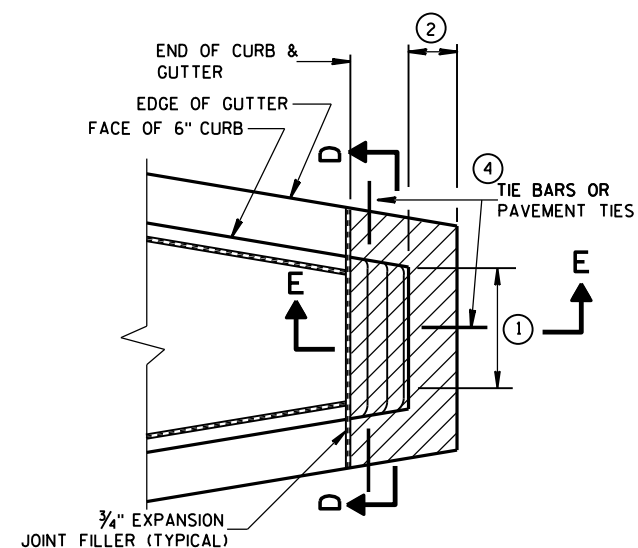
APPROVED
Sept. 2014 /S/ Ahmet Demirbilek
DATE STATE ELECTRICAL 151
FHWA



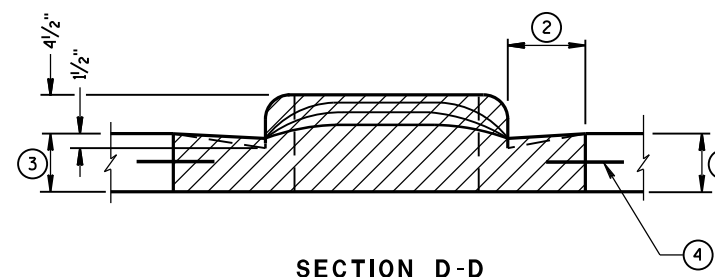
CONCRETE MEDIAN BLUNT NOSE DETAIL



CONCRETE MEDIAN SLOPED NOSE TYPE 1



CONCRETE MEDIAN SLOPED NOSE TYPE 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.

- 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.

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006

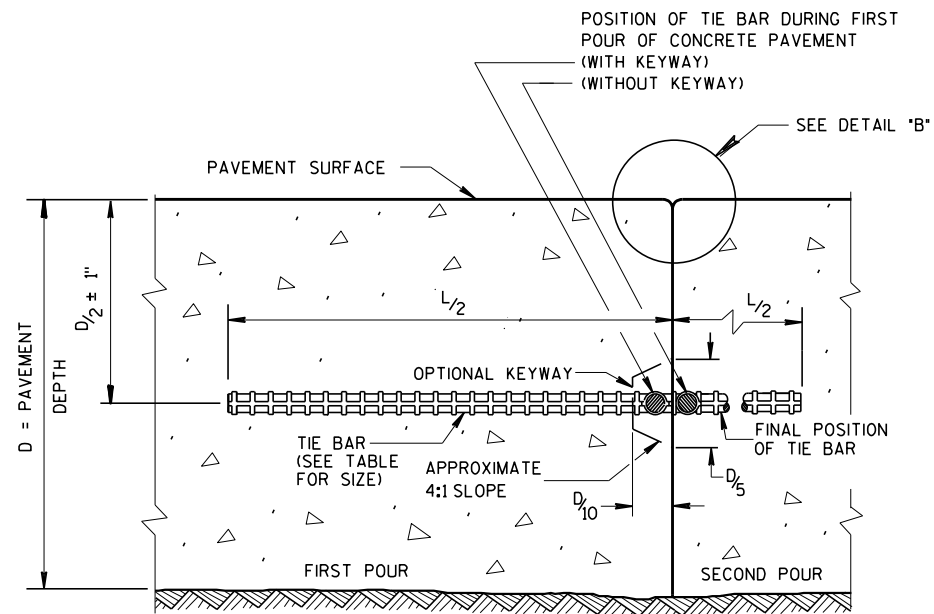
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FHWA

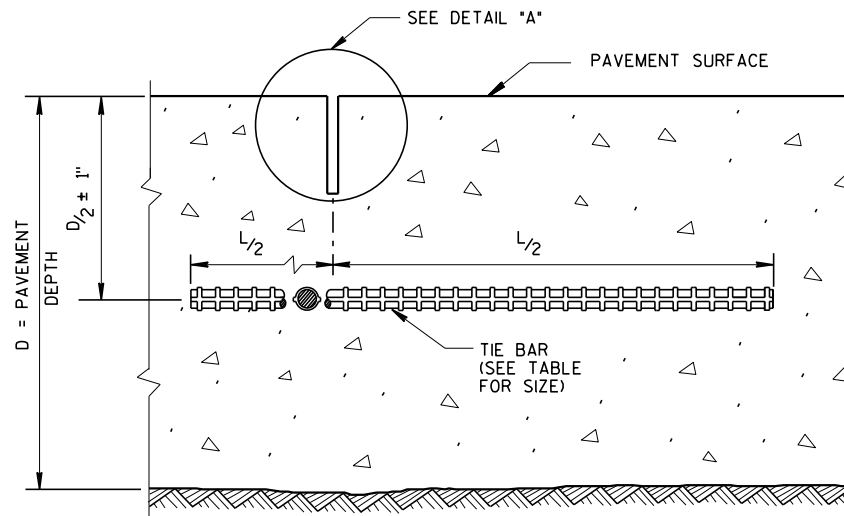
/S/ Jerry H. Zoag
ROADWAY STANDARDS & ENGINEER

152

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CONSTRUCTION JOINT



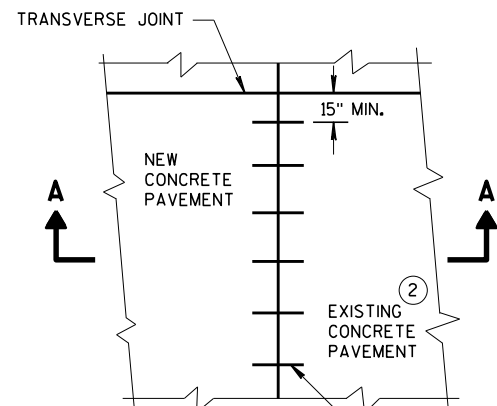
SAWED JOINT

GENERAL NOTES

CREATE A LONGITUDINAL JOINT FOR PAVEMENT WIDTHS GREATER THAN 15 FEET.

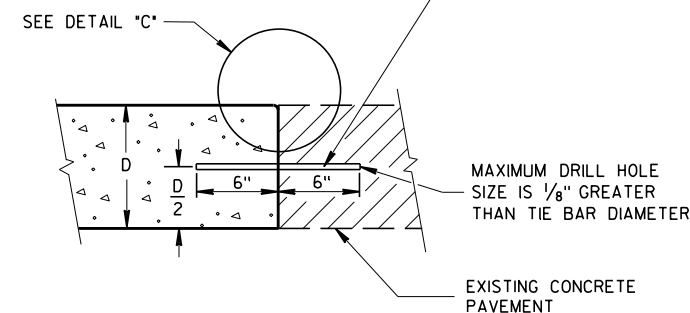
CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

- ① ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.
- ② PAVEMENT THAT WAS IN PLACE PRIOR TO THE CONTRACT.

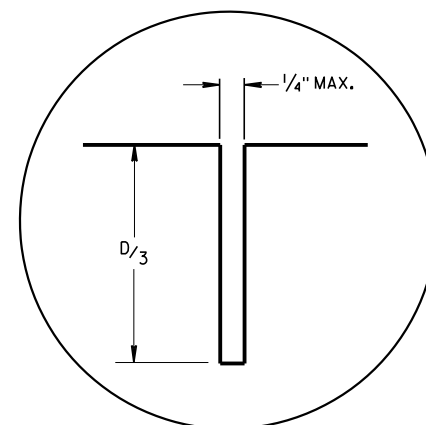


PLAN VIEW

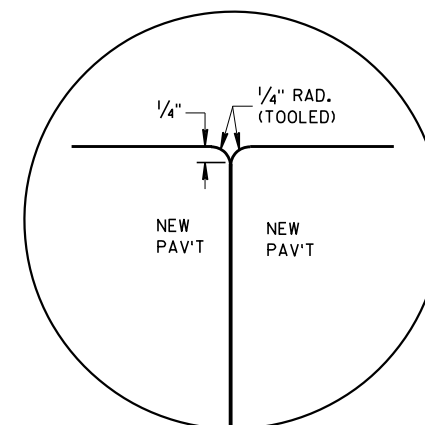
NO. 6 TIE BARS SPACED 30" C-C, INSTALLED PERPENDICULAR TO THE LONGITUDINAL JOINT. ①



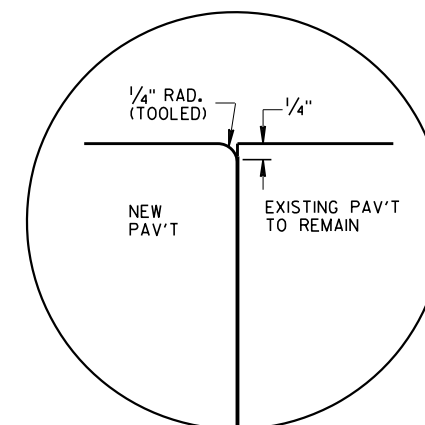
SECTION A-A
LONGITUDINAL CONSTRUCTION JOINT
TIE BARS ANCHORED
INTO EXISTING PAVEMENT



DETAIL "A"



DETAIL "B"



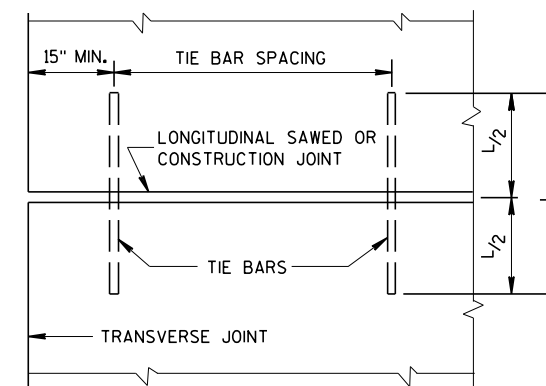
DETAIL "C"

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" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

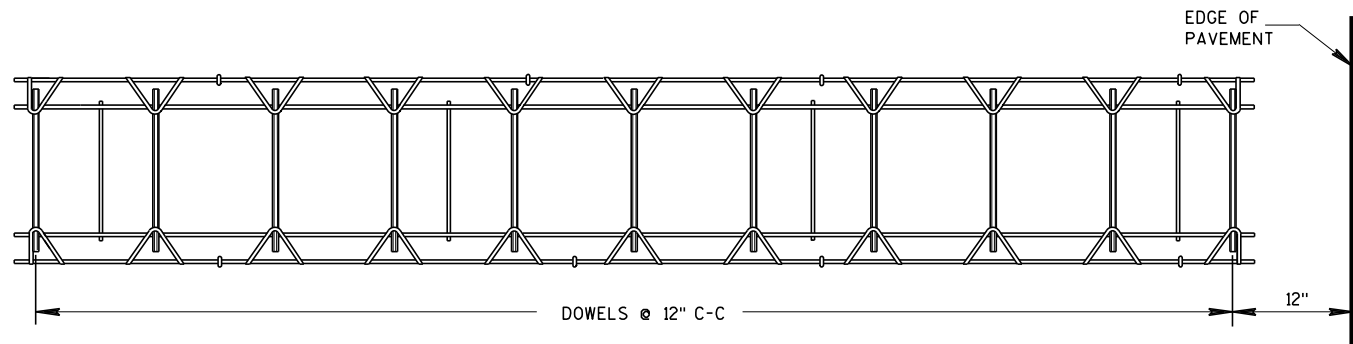


PLAN VIEW
SHOWING LOCATION OF TIE BARS

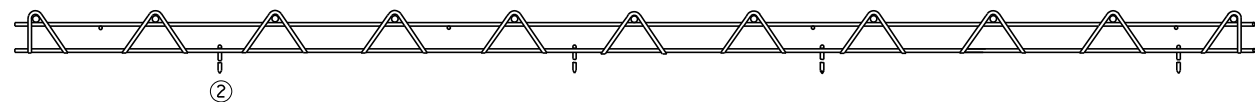
CONCRETE PAVEMENT
LONGITUDINAL JOINTS AND TIES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

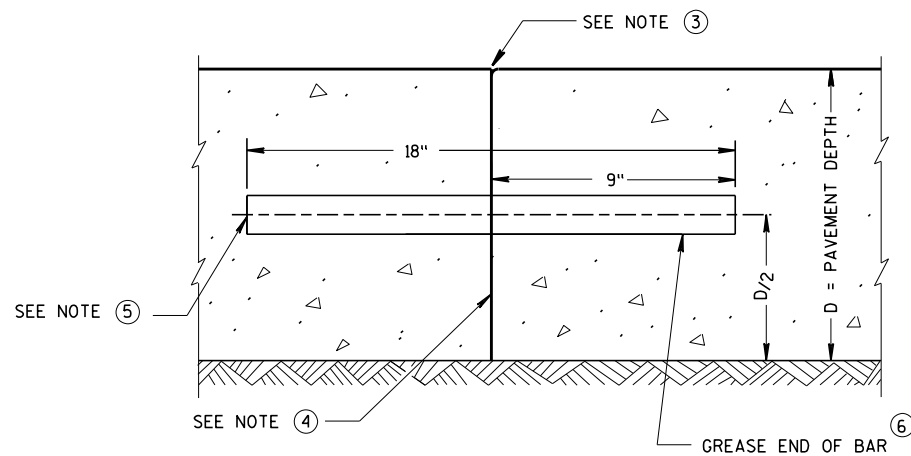
APPROVED
March 2018 /S/ Peter Kern
DATE PAVEMENT SUPE 153
FHWA



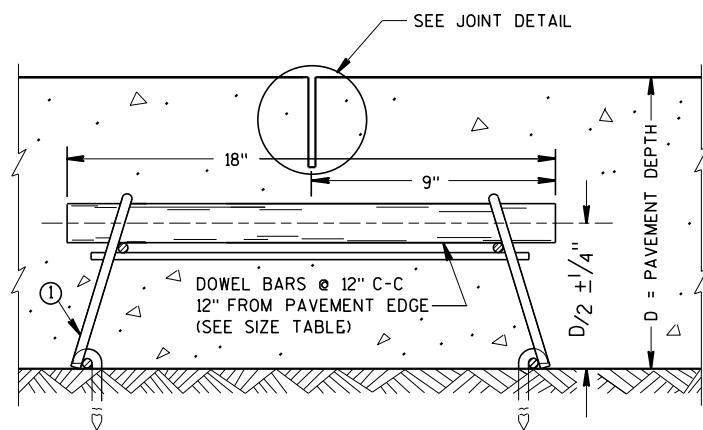
PLAN VIEW



SIDE VIEW
CONTRACTION JOINT DOWEL ASSEMBLY



TRANSVERSE CONSTRUCTION JOINT



DOWELED CONTRACTION JOINT

PAVEMENT DEPTH, DOWEL BAR SIZE
AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	DOWEL BAR DIAMETER	CONTRACTION JOINT SPACING
5 1/2", 6", 6 1/2"	NONE	12'
7", 7 1/2"	1"	14'
8", 8 1/2"	1 1/4"	15'
9", 9 1/2"	1 1/4"	15'
10" & ABOVE	1 1/2"	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.

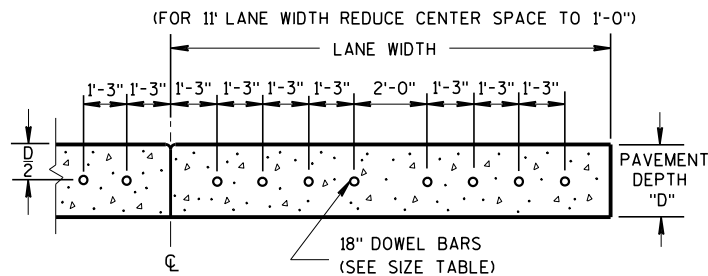
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

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.

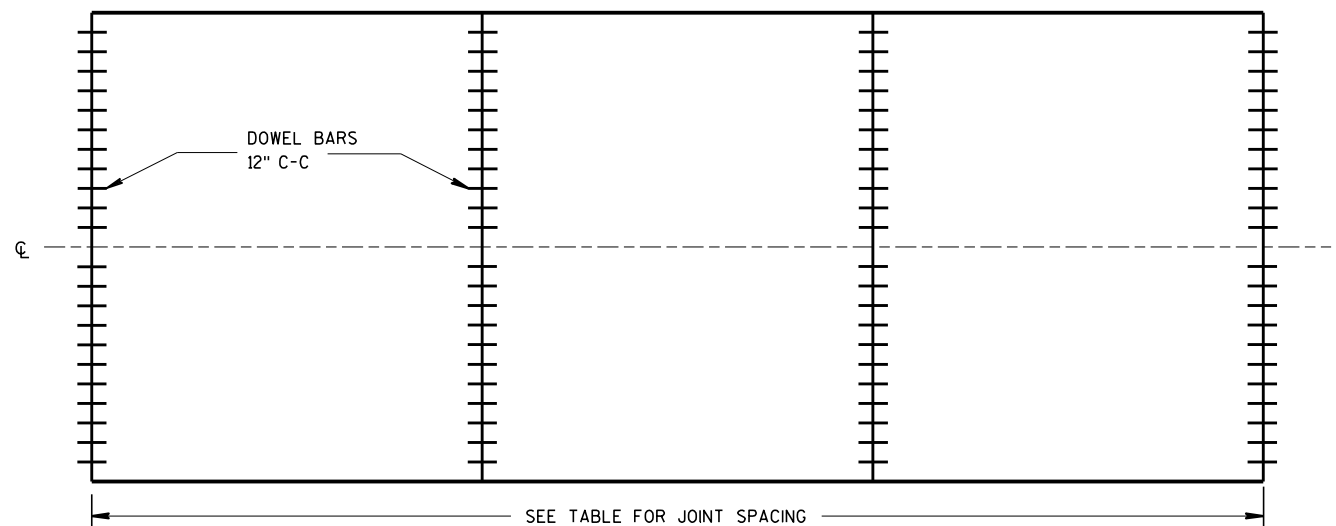
CONSTRUCTION JOINTS

LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.

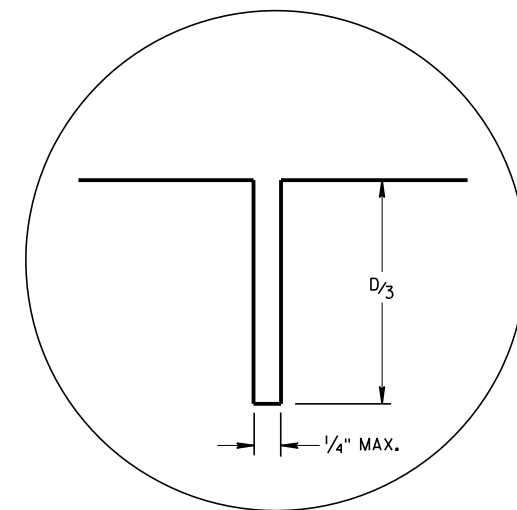
- OBTAIN THE ENGINEER'S APPROVAL FOR THE USE OF ALTERNATIVE DESIGNS OF THE DOWEL ASSEMBLY. USE MECHANICAL DOWEL BAR INSERTERS OR DOWEL ASSEMBLIES WHEN CONSTRUCTING CONTRACTION JOINTS.
- SECURE BASKETS WITH ANCHORS TO HOLD DOWEL BARS IN THE CORRECT POSITION AND ALIGNMENT. TYPE, LOCATION, NUMBER AND LENGTH OF ANCHORS ARE DEPENDENT UPON FIELD CONDITIONS.
- FORM OR SAW CONSTRUCTION JOINTS. PROVIDE A 1/4-INCH RADIUS AT FORMED JOINTS.
- PROVIDE A SMOOTH VERTICAL FACE FOR THE ENTIRE DEPTH OF THE PAVEMENT WHEN FORMING CONSTRUCTION JOINTS.
- 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.
- APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
- ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY. MAXIMUM DRILLED HOLE SIZE IS 1/8-INCH GREATER THAN DOWEL BAR DIAMETER, 9 INCHES IN LENGTH.



DRILLED DOWEL BAR CONSTRUCTION JOINT



CONTRACTION JOINT LOCATIONS

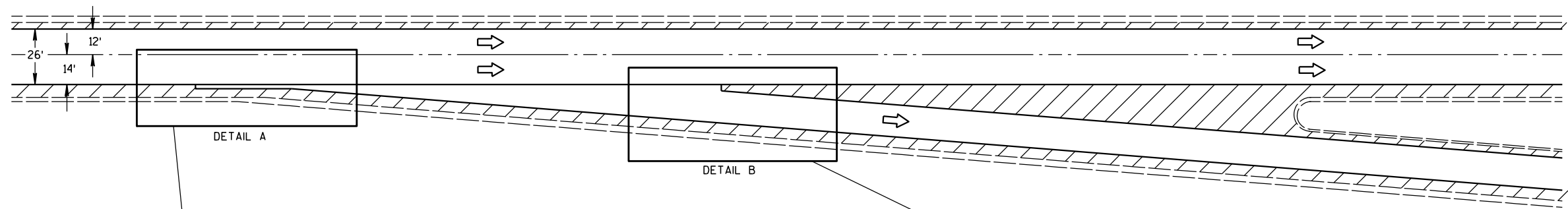


JOINT DETAIL

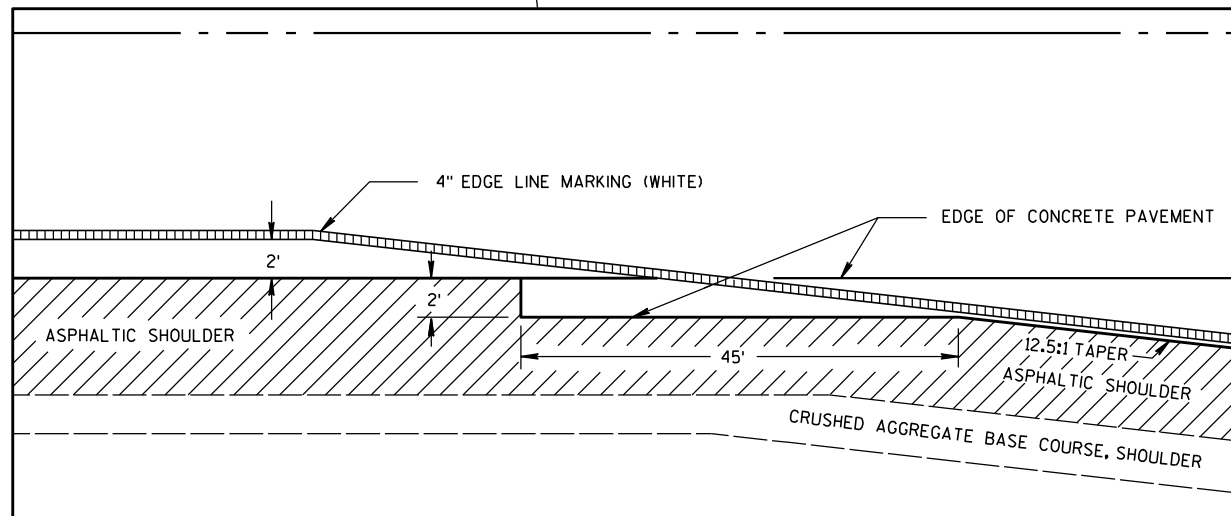
URBAN DOWELED
CONCRETE PAVEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

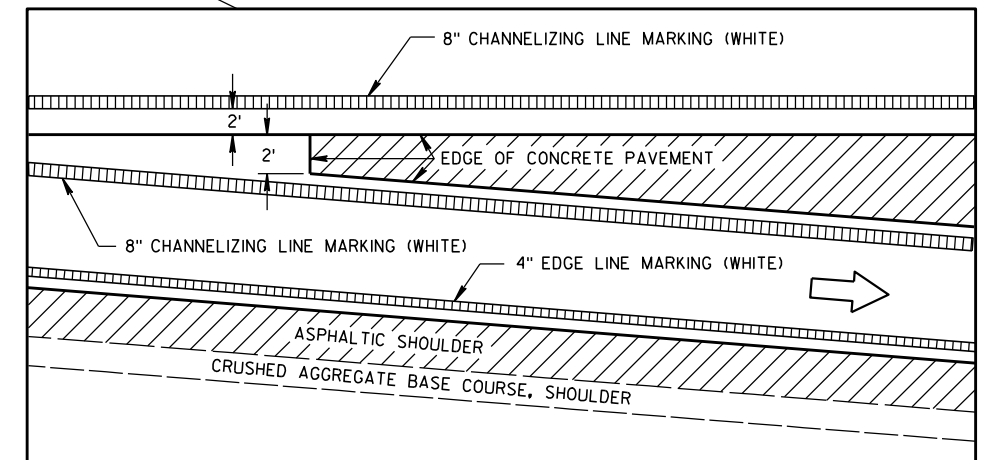
APPROVED
March 2018 /S/ Peter Kern P.E.
DATE PAVEMENT SUP 154
FHWA



EXIT RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

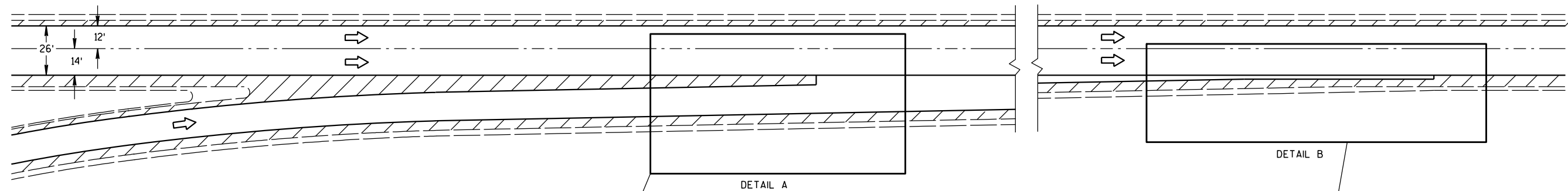
PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

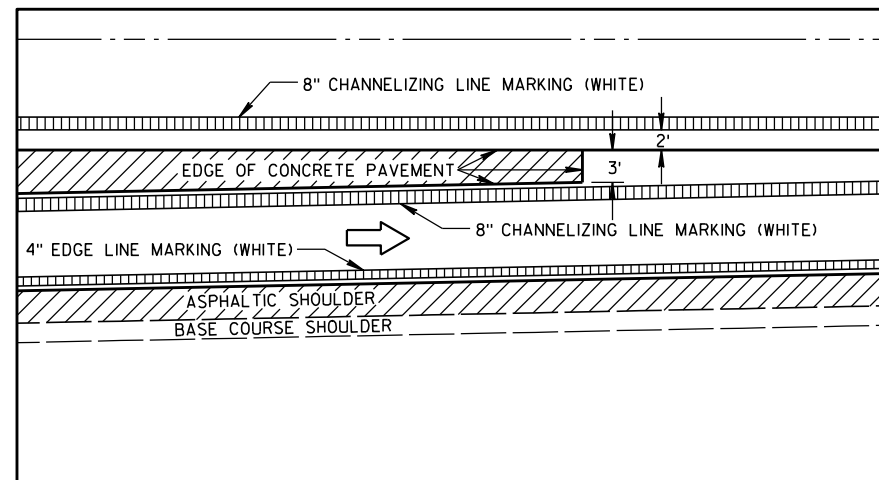
CONCRETE JOINT DETAIL FOR
EXIT RAMP TERMINI

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

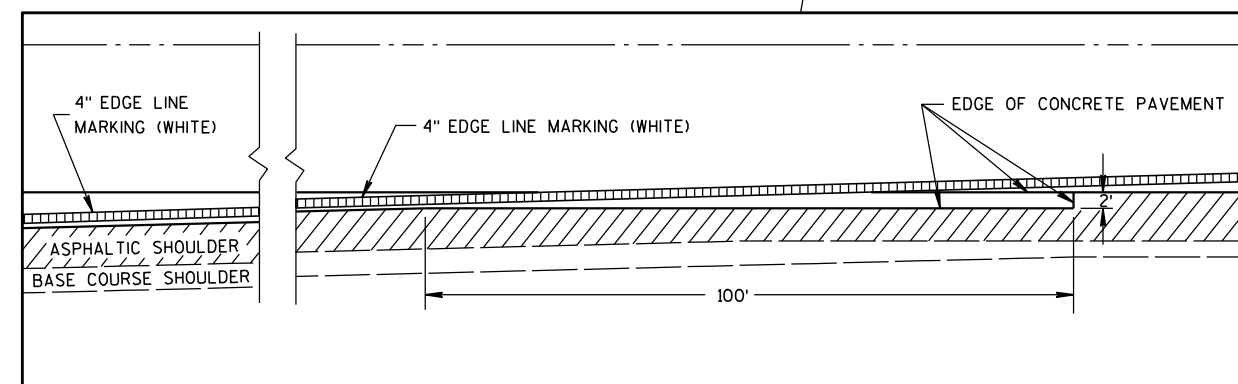
155



ENTRANCE RAMP DETAIL



DETAIL A



DETAIL B

CONCRETE JOINT PAVING DETAILS

GENERAL NOTES

PAVEMENT MARKING DETAILS AND SPECIFICATIONS ARE PROVIDED ELSEWHERE IN THE CONTRACT.

SEE SDD 13 A 4-4c OR SDD 13 A 5-1b FOR RAMP AND GORE RUMBLE STRIP LOCATION.

**CONCRETE JOINT DETAIL FOR
ENTRANCE RAMP TERMINI**

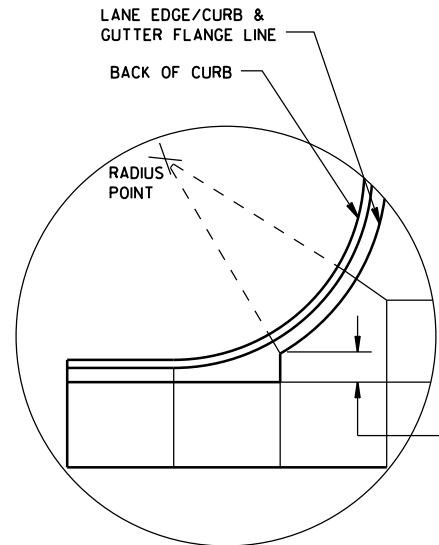
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

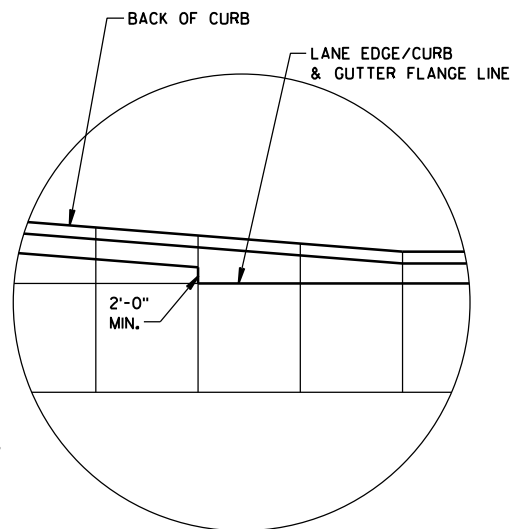
5/27/98
DATE

/S/ Rory L. Rhin...
CHIEF ROADWAY DEVELOP... ENGINEER

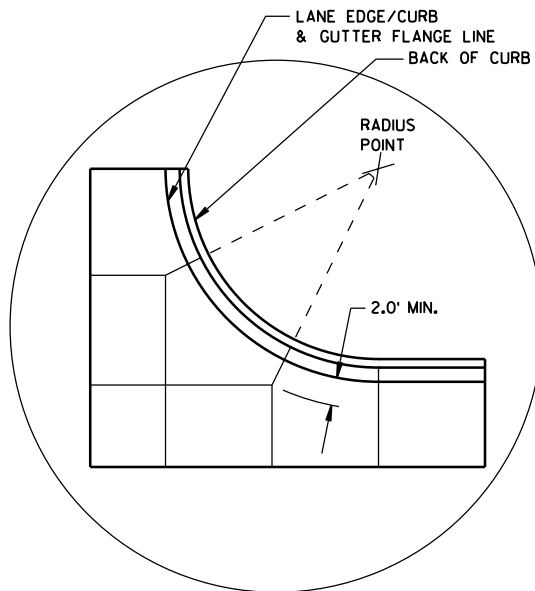
FHWA



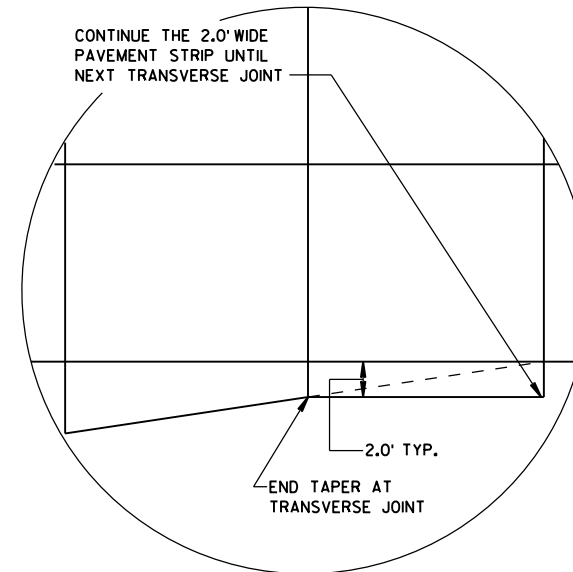
DETAIL "A"



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.

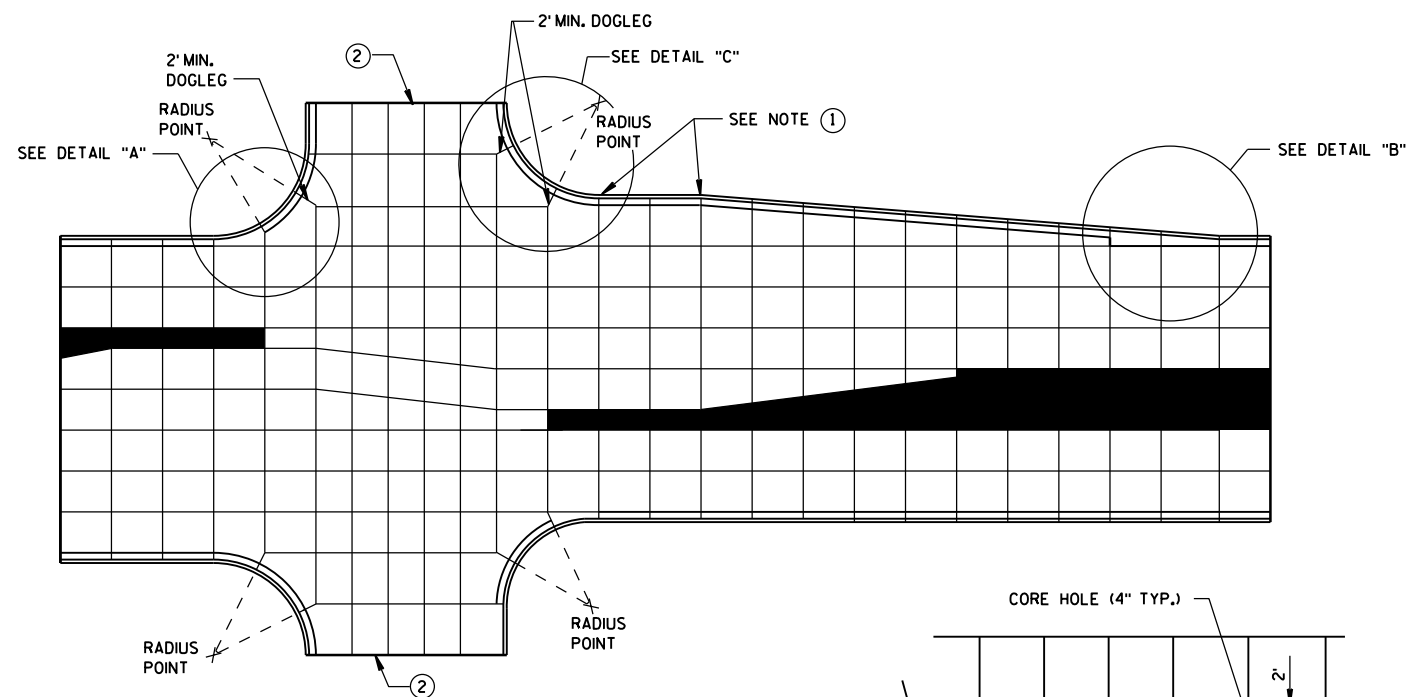
AVOID SLABS LESS THAN 2 FEET WIDE OR GREATER THAN 15 FEET WIDE.

SEE TABLE FOR TRANSVERSE JOINT SPACING. JOINT SPACING SPECIFIED IS MAXIMUM AND ACTUAL SPACING CAN BE ADJUSTED TO ACCOMMODATE INTERSECTIONS.

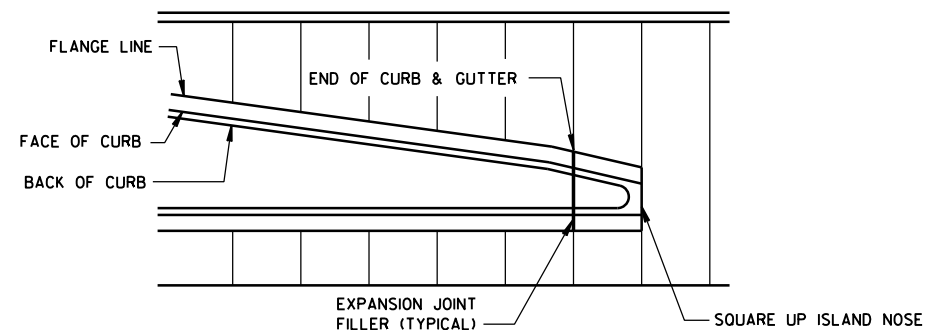
AVOID ANGLES LESS THAN 60° BY DOGLEGGING JOINTS THROUGH CURVE RADIUS POINTS. USE 90° ANGLES WHEN POSSIBLE.

CORRELATE LONGITUDINAL JOINTS WITH LANE LINES WHEN POSSIBLE.

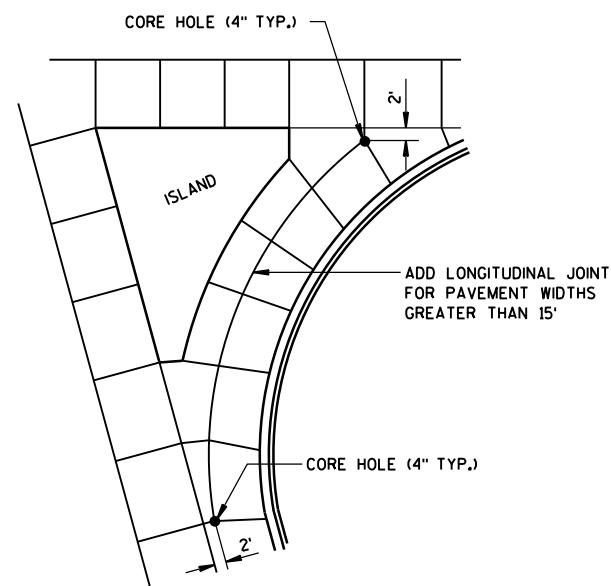
1. PROVIDE TRANSVERSE JOINTS AT ALL PAVEMENT WIDTH CHANGES.
2. CONSTRUCT DOWELED EXPANSION JOINT ON THE SIDE ROAD OF AN INTERSECTION IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH. ALIGN EXPANSION JOINT WITH EDGE OF RADIUS.
3. THE ENGINEER MAY APPROVE SLIGHT VARIATIONS FROM THESE JOINTING DETAILS.



STANDARD INTERSECTION



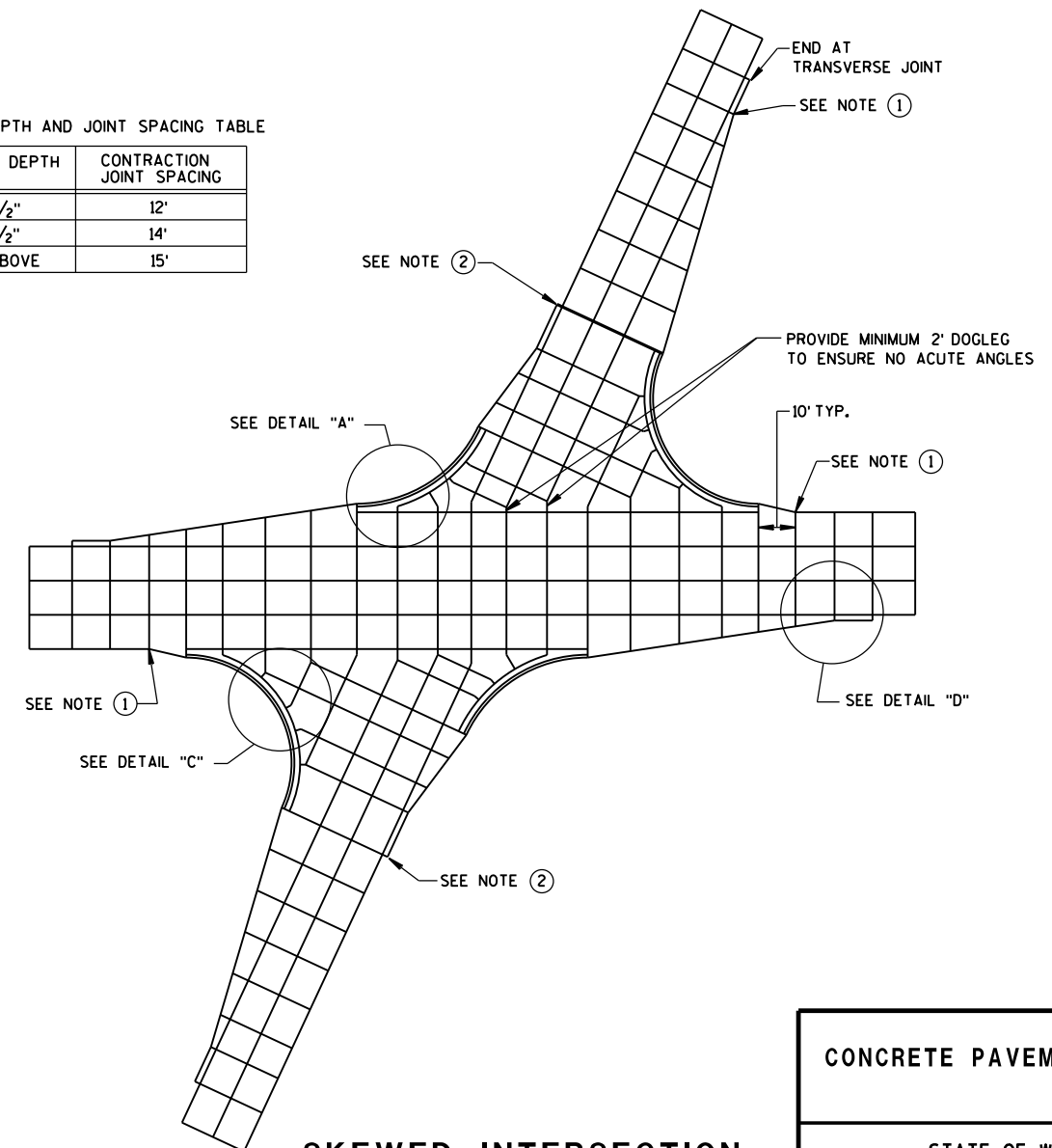
APPROACH TO MEDIAN



LARGE RIGHT TURN

PAVEMENT DEPTH AND JOINT SPACING TABLE

PAVEMENT DEPTH (D)	CONTRACTION JOINT SPACING
6", 6 1/2"	12'
7", 7 1/2"	14'
8" & ABOVE	15'



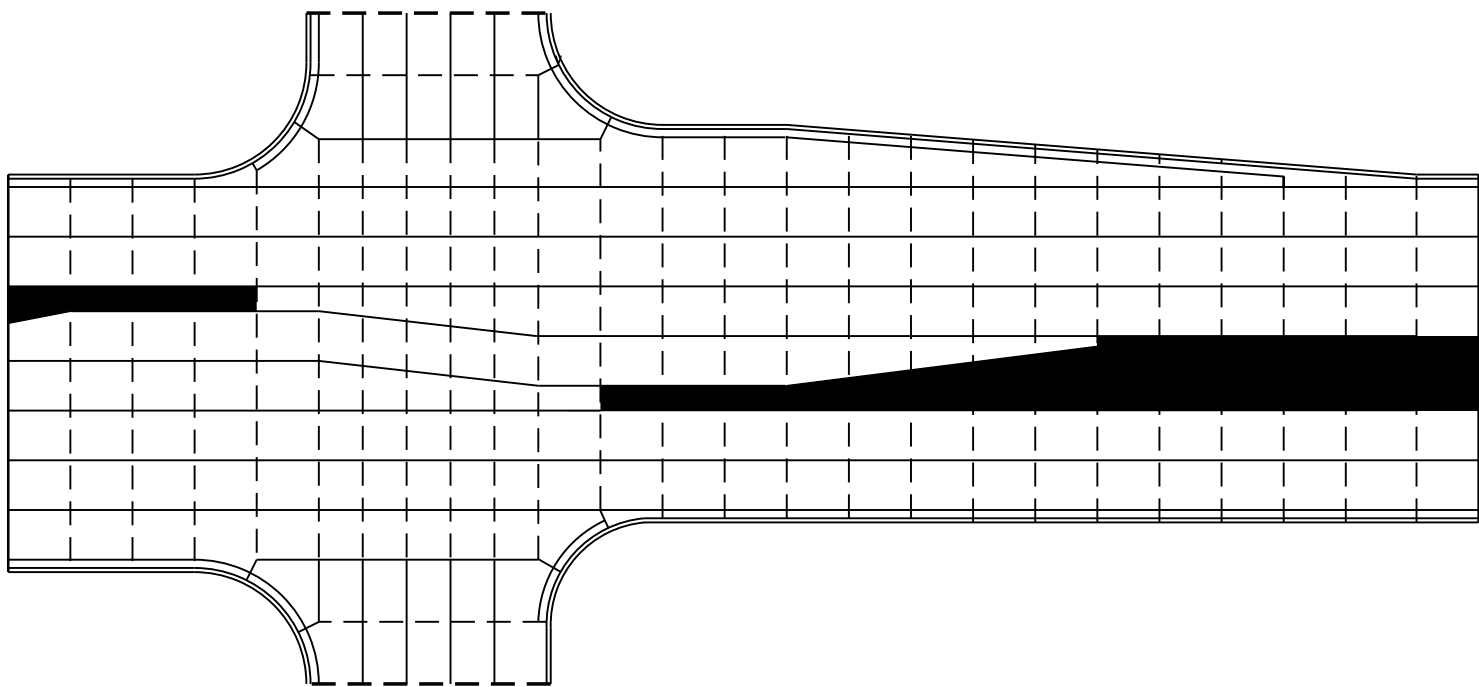
SKewed INTERSECTION

CONCRETE PAVEMENT JOINTING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 157

LEGEND

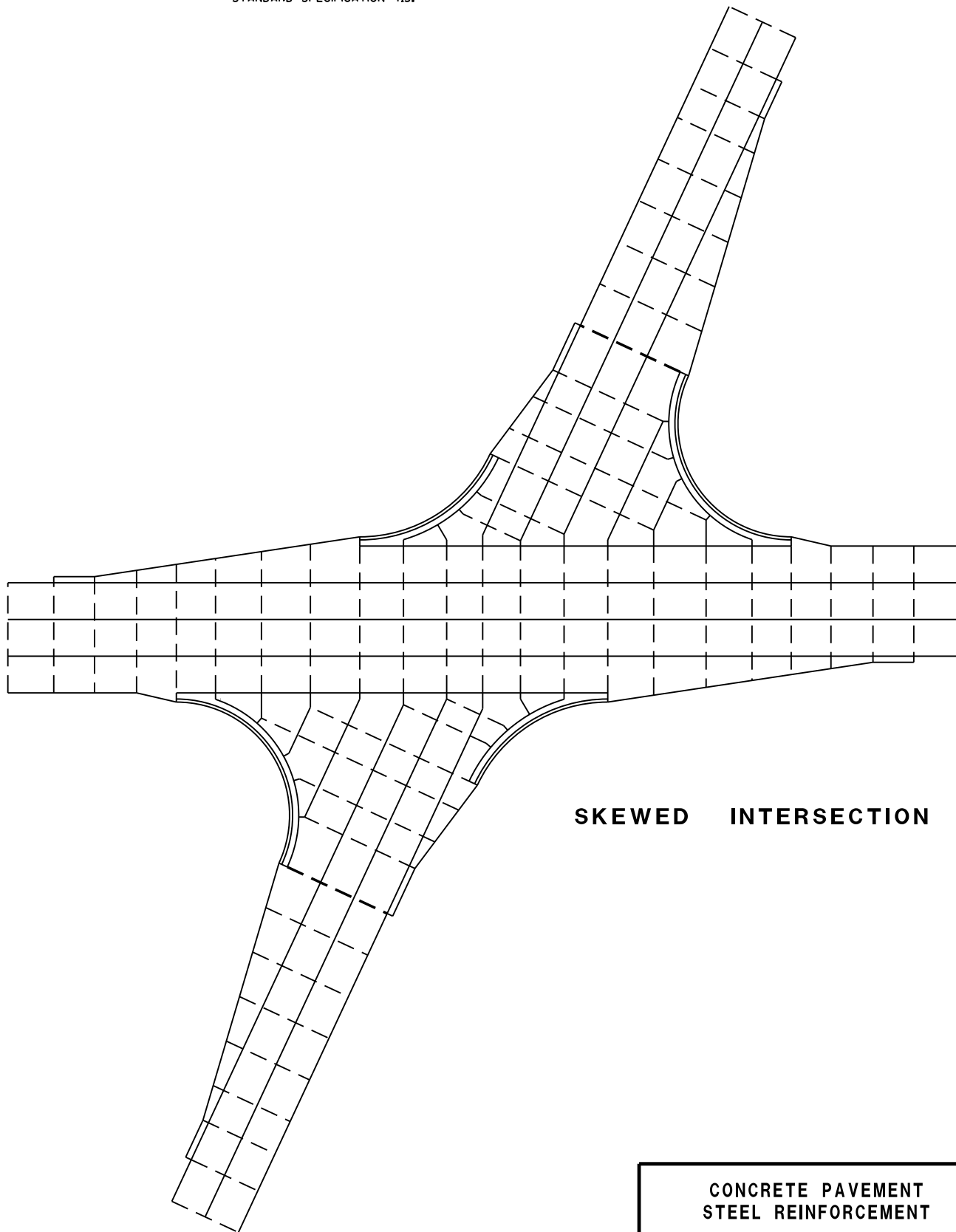
- POTENTIAL DOWELED EXPANSION JOINT
- DOWELED JOINT
- TIED JOINT



STANDARD INTERSECTION

GENERAL NOTES

USE AN EXPANSION JOINT FILLER MEETING THE REQUIREMENTS OF STANDARD SPECIFICATION 415.

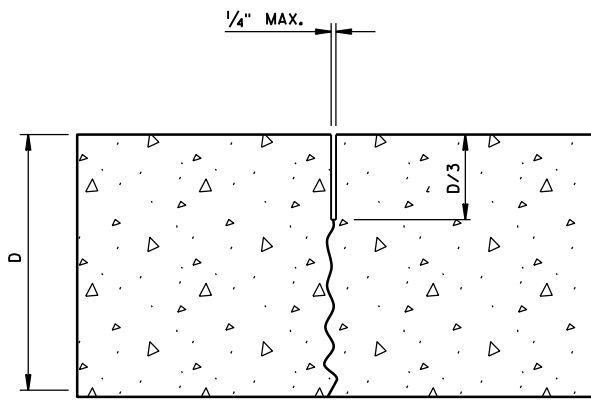


SKewed INTERSECTION

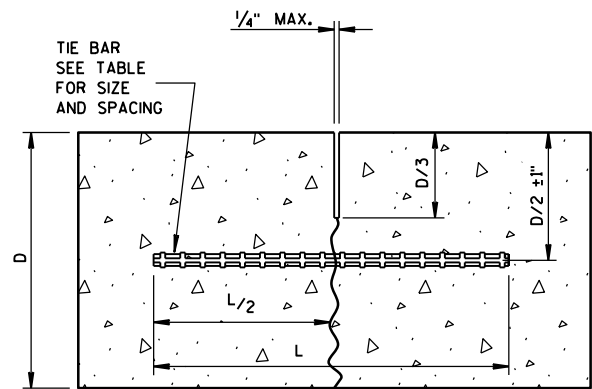
CONCRETE PAVEMENT
STEEL REINFORCEMENT

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

158



UNDOWELED-TRANSVERSE



TIED LONGITUDINAL

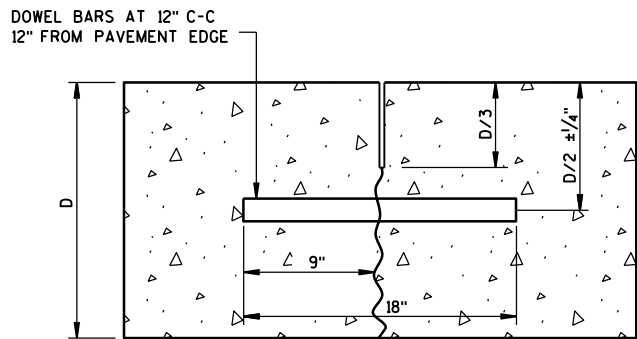
PAVEMENT DEPTH (D)	TIE BAR SIZE	TIE BAR LENGTH (L)	MAX. TIE BAR SPACING
< 10 1/2"	NO. 4	30"	36"
≥ 10 1/2"	NO. 5	36"	36"
	NO. 4 *	30"	24" **

* SUBSTITUTE BENT BARS AT LONGITUDINAL JOINTS WHEN EQUIPMENT LIMITATIONS DURING CONSTRUCTION WARRANT (e.g. AUXILIARY LANES OR TURN LANES)

** CONFORM TO 15" MINIMUM SPACING FROM TRANSVERSE JOINTS; SPACING BETWEEN TIE BARS WILL BE 30" AT TRANSVERSE JOINTS.

GENERAL NOTES

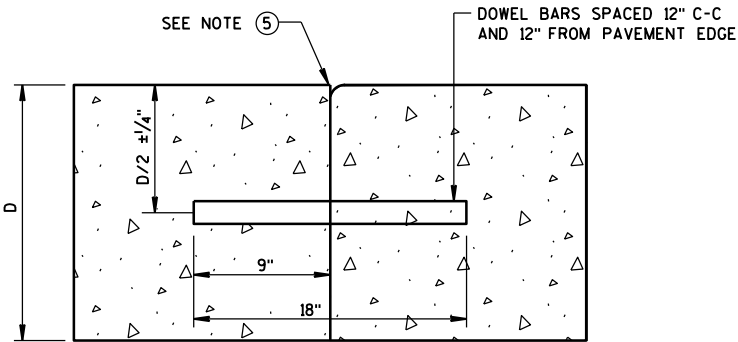
- USE DOWELED EXPANSION JOINTS ON SIDE ROADS AT INTERSECTIONS (TO ISOLATE THE SIDE ROAD FROM THE THROUGH STREET) IF THE SIDE ROAD IS CONCRETE PAVEMENT AND GREATER THAN 300 FEET IN LENGTH.
- SPACE CONTRACTION JOINTS IN ACCORDANCE WITH 13C4, 13C11 OR 13C13.
- LOCATE CONSTRUCTION JOINTS A MINIMUM OF 6 FEET FROM THE NEAREST CONTRACTION JOINT AND ALIGN PARALLEL TO CONTRACTION JOINTS.
- CONSTRUCTION JOINTS CAN BE FORMED OR SAWED.
- IF JOINT IS FORMED, PROVIDE A 1/4-INCH RADIUS.
- ANCHOR TIE BARS INTO DRILLED HOLES WITH AN EPOXY.



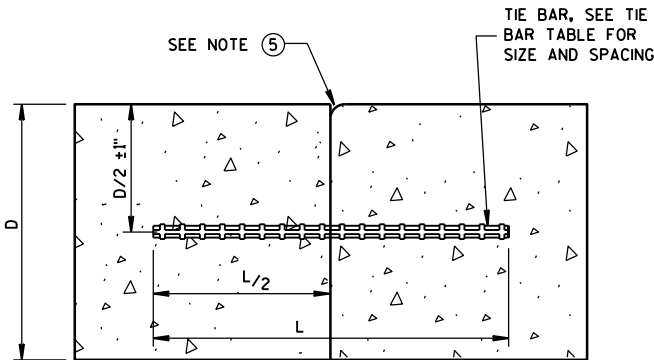
DOWELED-TRANSVERSE

CONTRACTION JOINTS

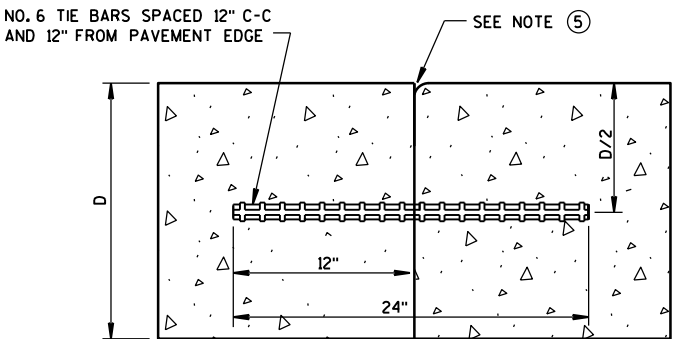
SEE NOTE ②



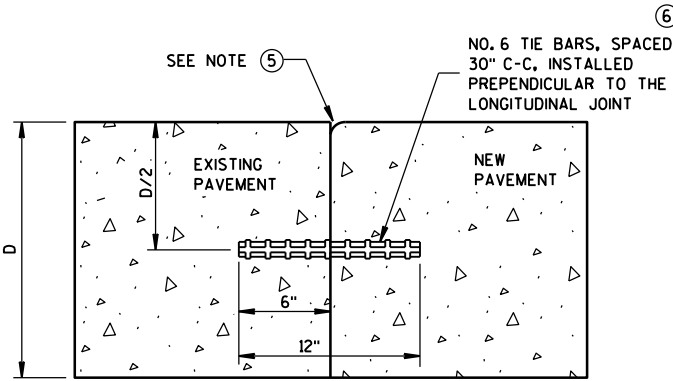
DOWELED TRANSVERSE ③



TIED LONGITUDINAL



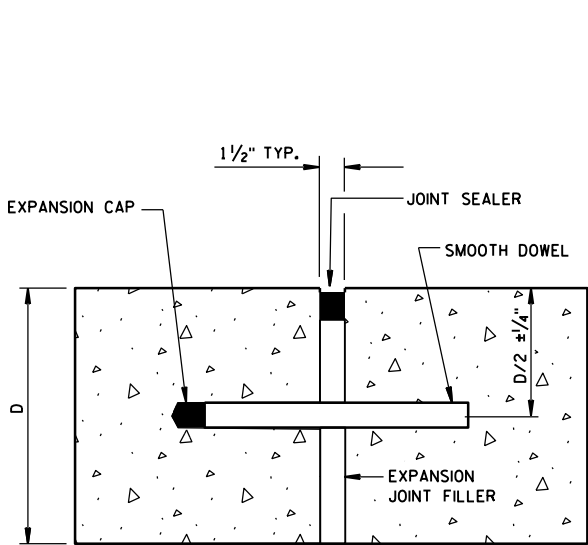
TIED TRANSVERSE ③
(FOR USE ON NON-DOWELED PAVEMENTS ONLY)



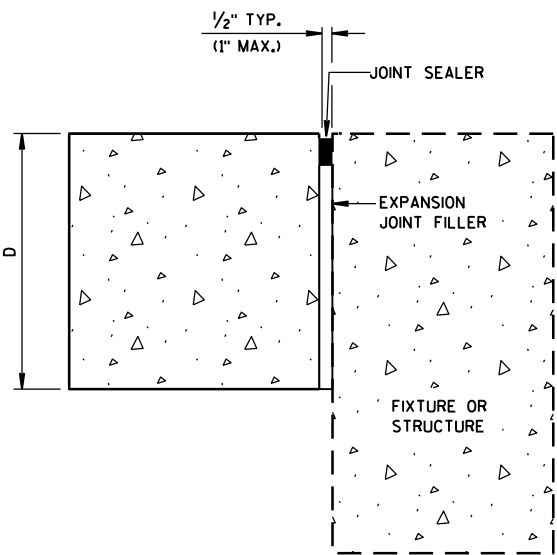
TIED LONGITUDINAL TO EXISTING

CONSTRUCTION JOINTS

SEE NOTE ④



DOWELED-TRANSVERSE
SEE NOTE ①

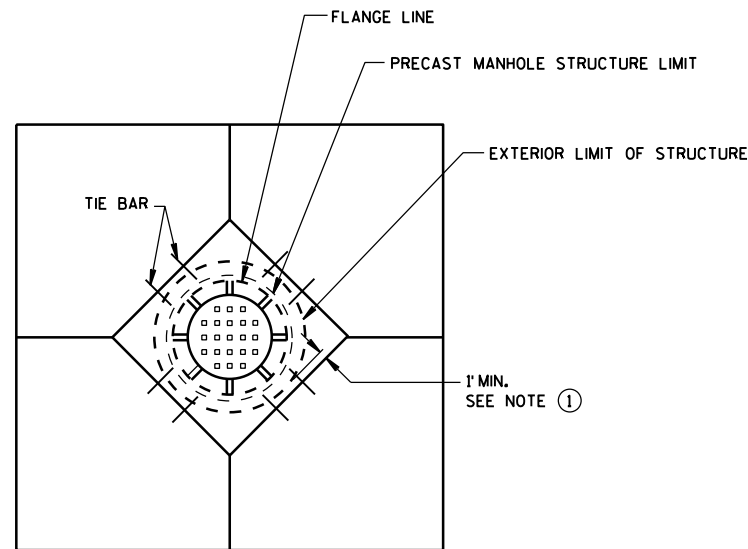


UNTIED-LONGITUDINAL

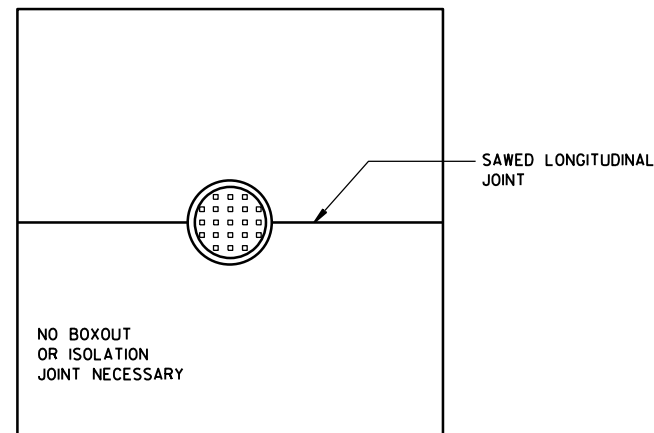
EXPANSION JOINTS

CONCRETE PAVEMENT
JOINT TYPES

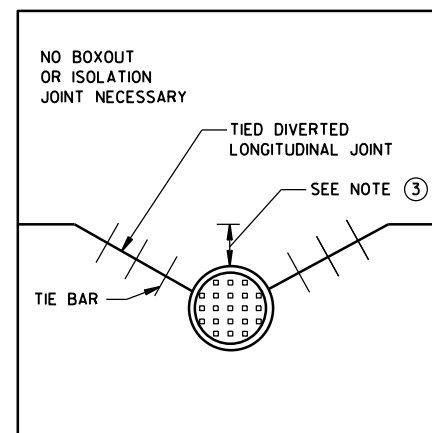
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 159



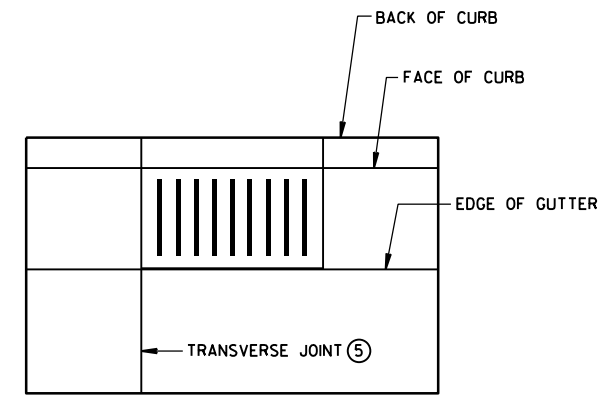
**DIAGONAL MANHOLE BOXOUT
FOR CONSTRUCTION JOINTS**



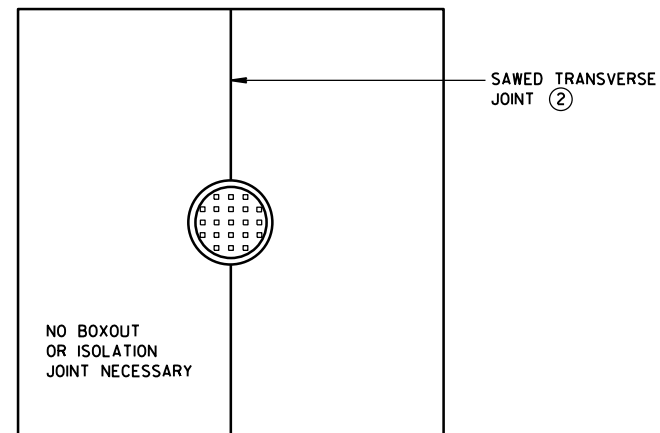
**MANHOLE WITH
LONGITUDINAL JOINT**



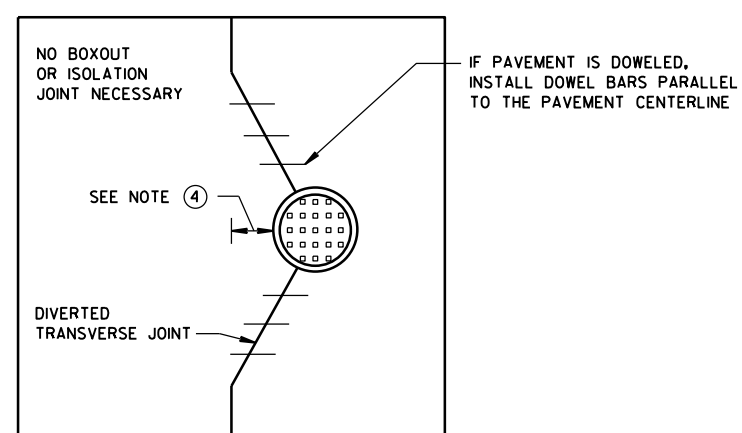
**MANHOLE WITH DIVERTED
LONGITUDINAL CONTRACTION JOINT**



**INLET WITH
TRANSVERSE JOINT**



**MANHOLE WITH
TRANSVERSE JOINT**



**MANHOLE WITH DIVERTED
TRANSVERSE CONTRACTION 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 REBAR REINFORCEMENT AROUND THE MANHOLE.
- ④ IF DISTANCE FROM THE EDGE OF THE MANHOLE TO THE NEAREST TRANSVERSE JOINT IS 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 REBAR REINFORCEMENT AROUND THE MANHOLE.
- ⑤ ALIGN TRANSVERSE JOINT WITH ONE EDGE OF INLET WHEN PRACTICAL.

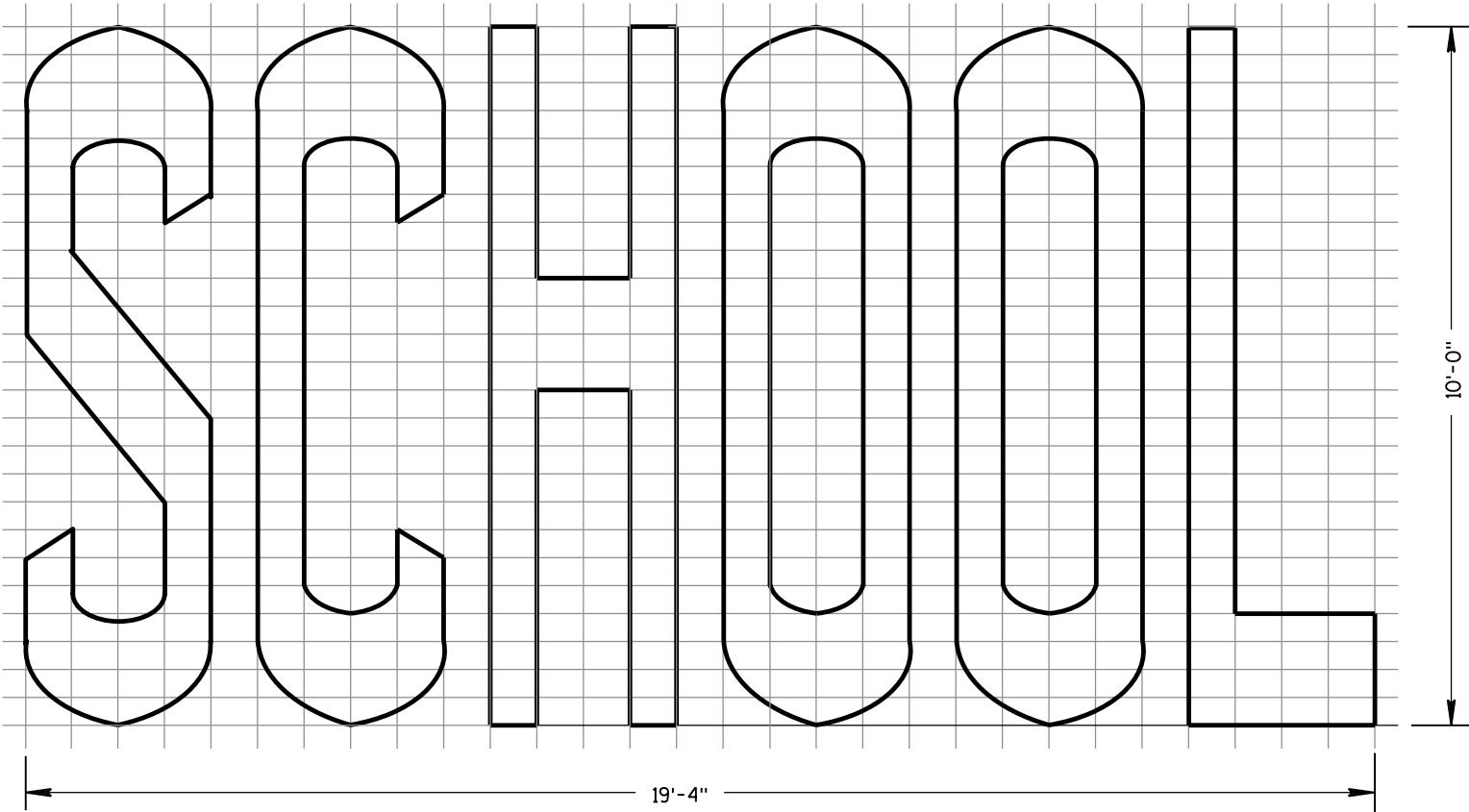
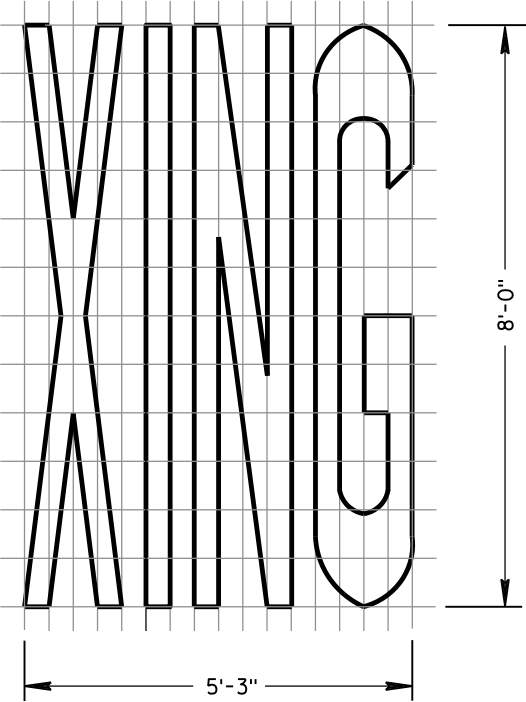
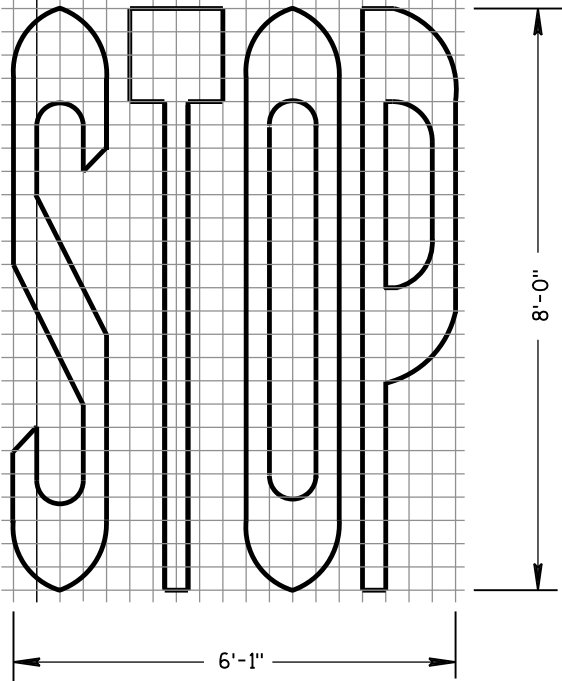
**CONCRETE PAVEMENT
JOINTING AT UTILITY FIXTURES**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

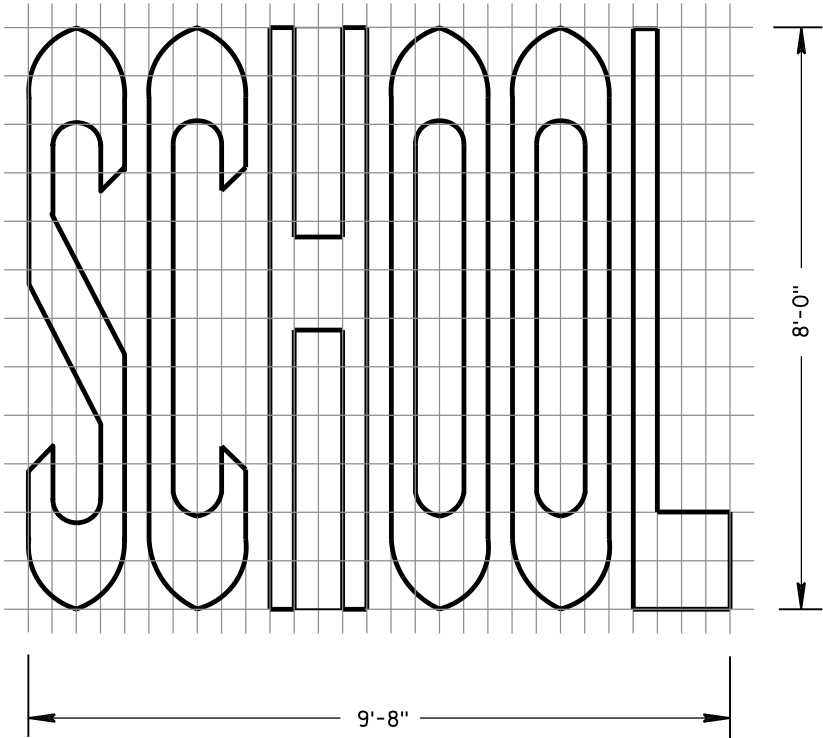
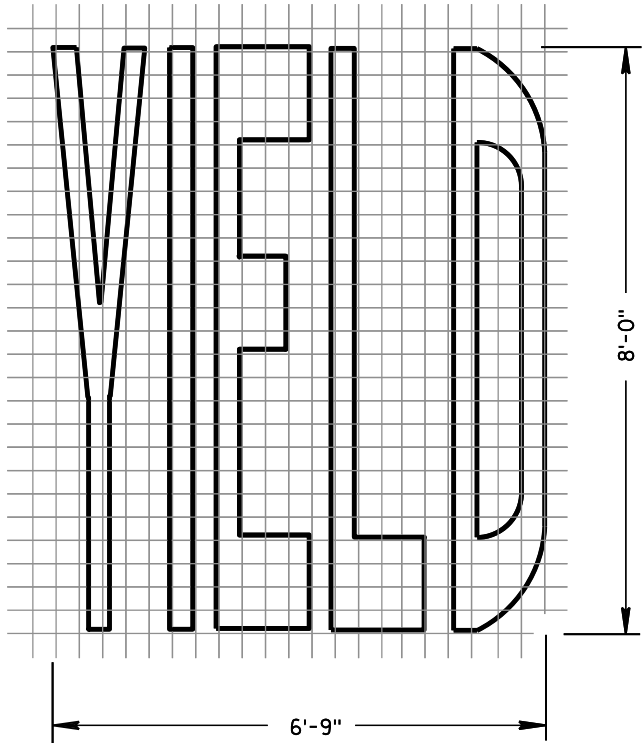
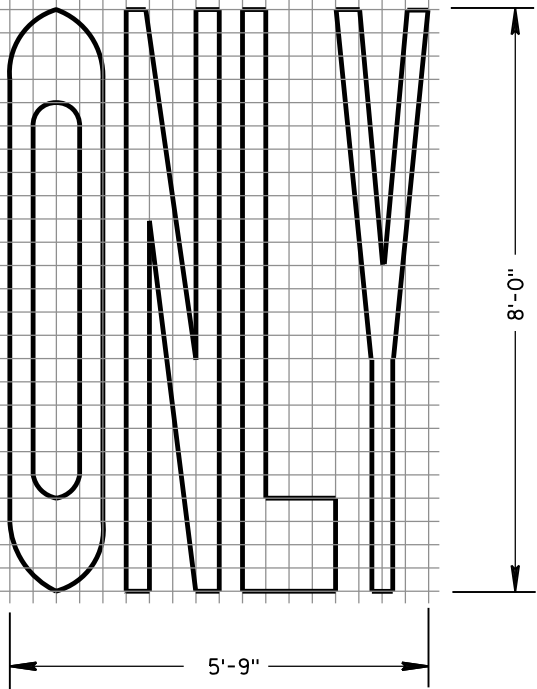
APPROVED
December, 2016 /S/ Peter Kemp, P.E.
DATE PAVEMENT SUPEF 160
FHWA

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.



TWO-LANE

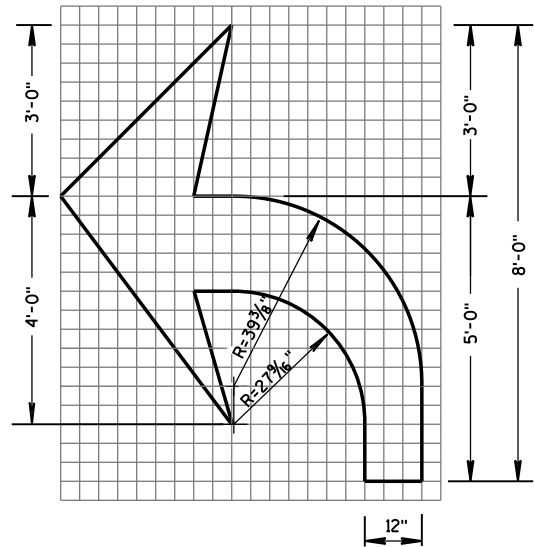


SINGLE-LANE

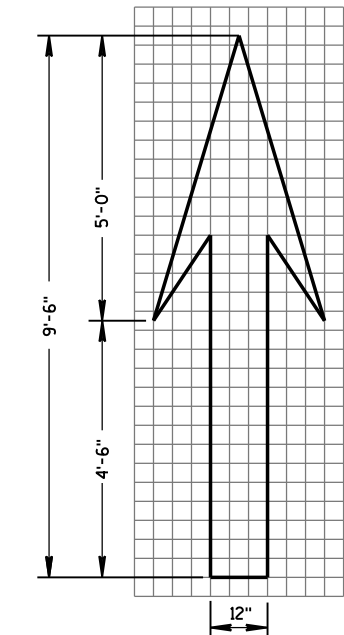
PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

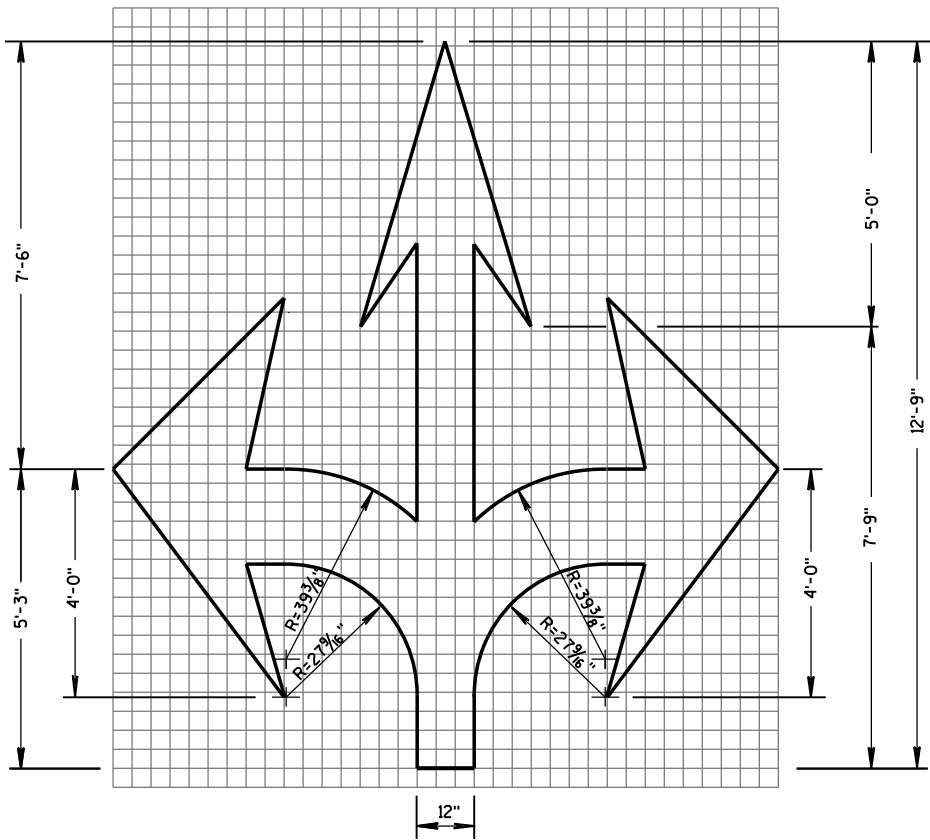
APPROVED
June 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MARK 161 EER
FHWA



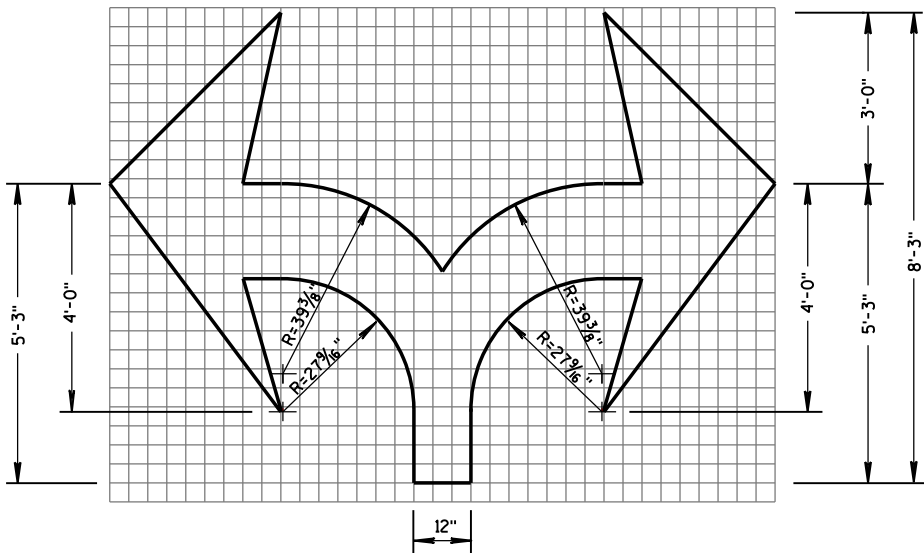
TYPE 2



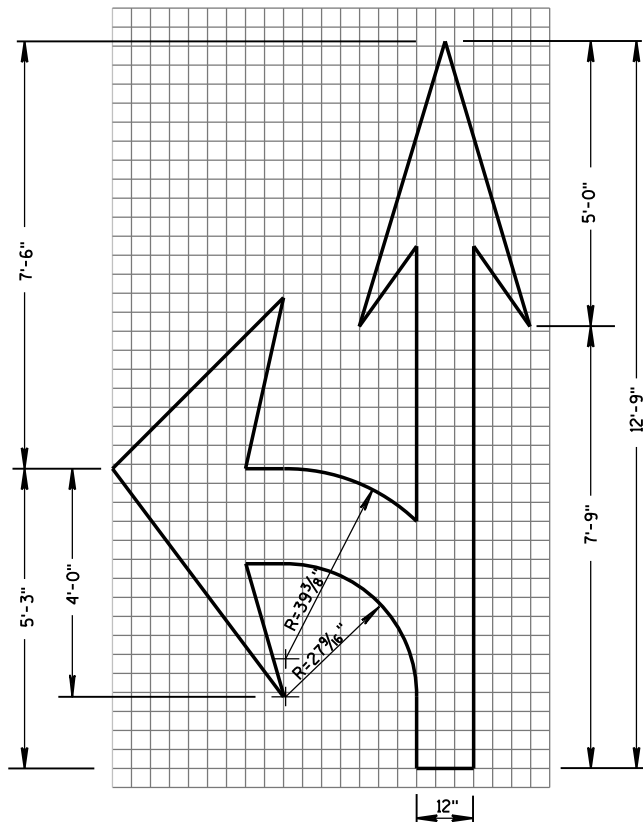
TYPE 1



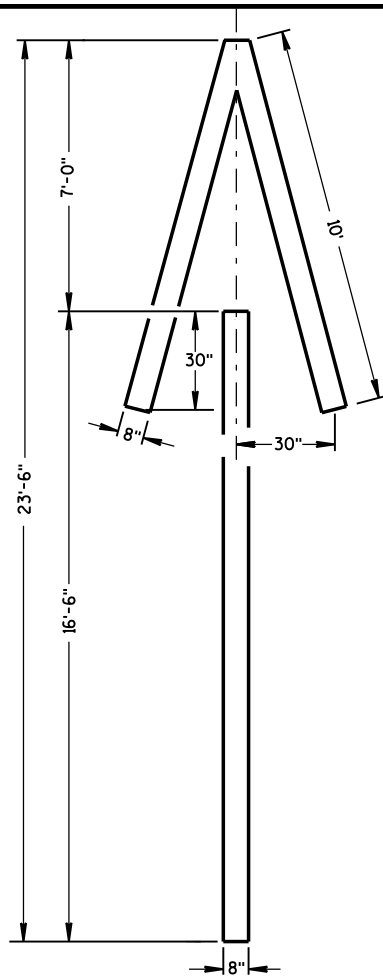
TYPE 6



TYPE 7



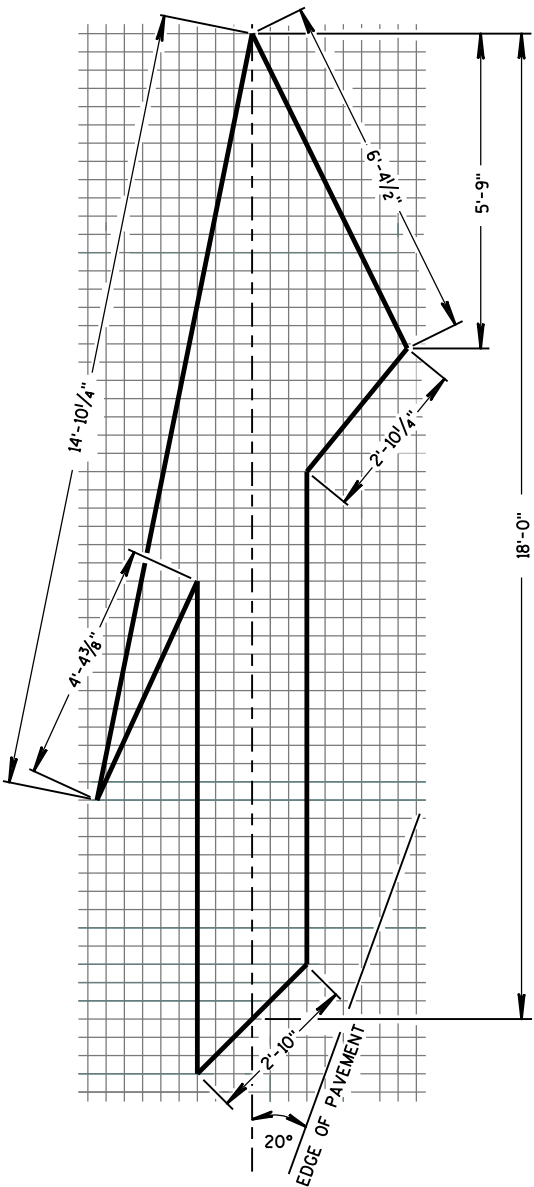
TYPE 3



TYPE 4

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.

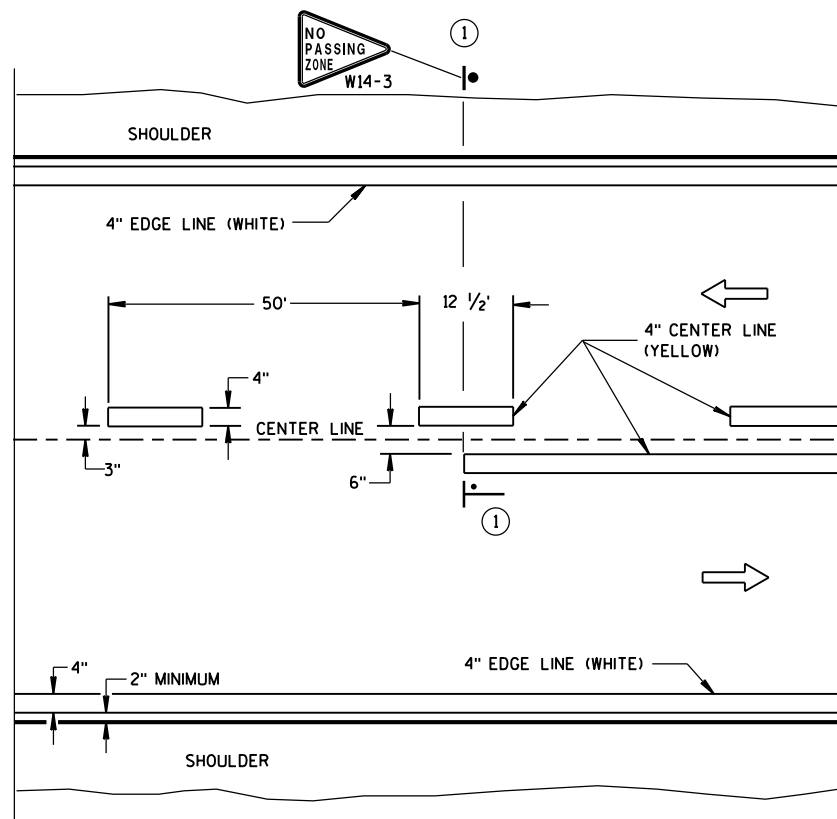


TYPE 5 LANE DROP ARROW

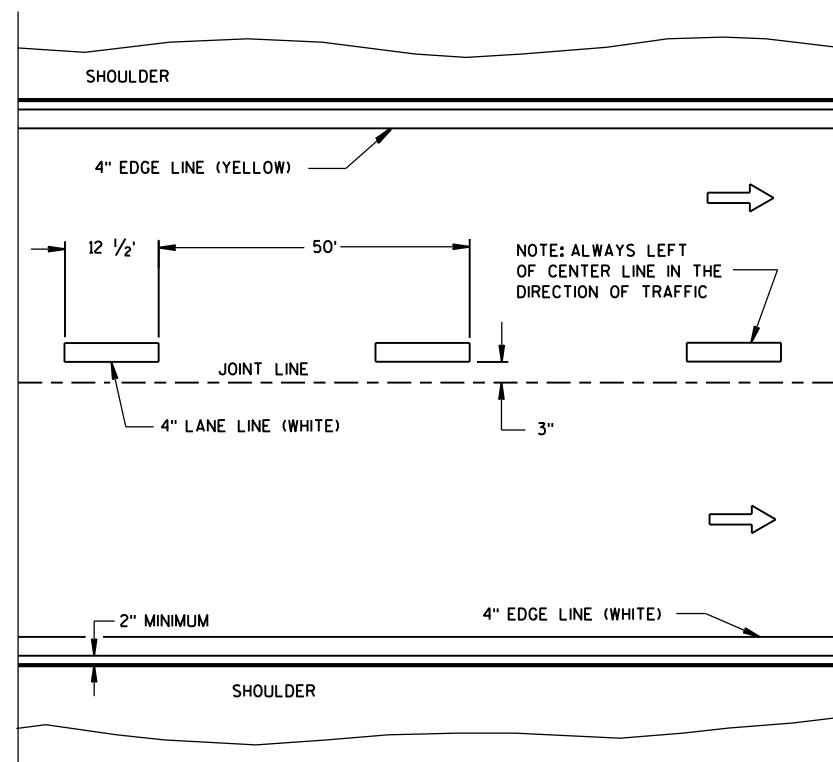
PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MAR 162
FHWA VER

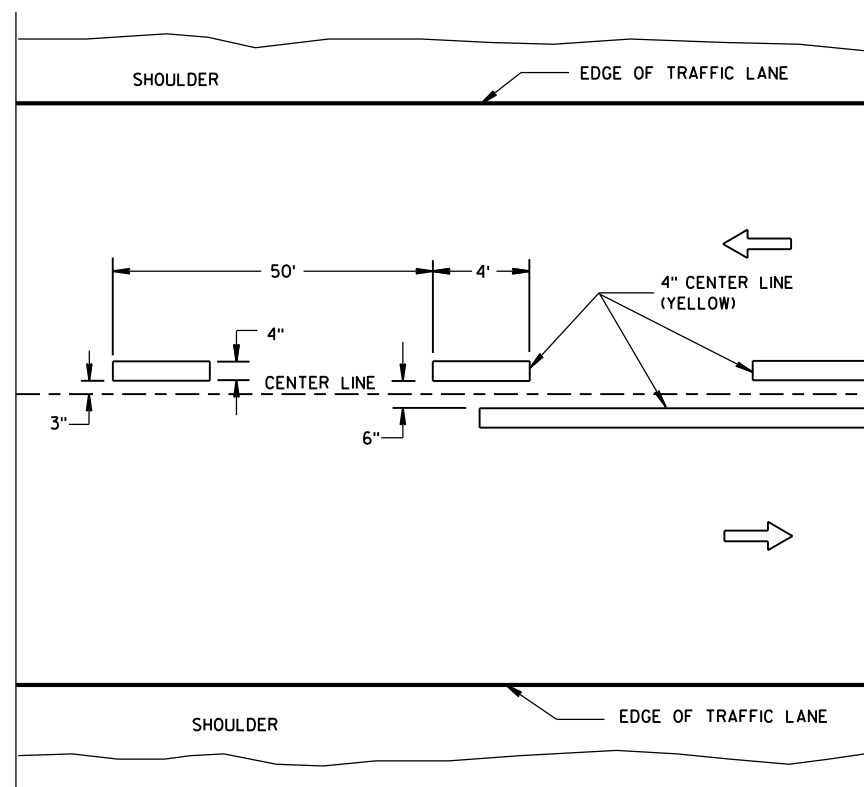


TWO WAY TRAFFIC

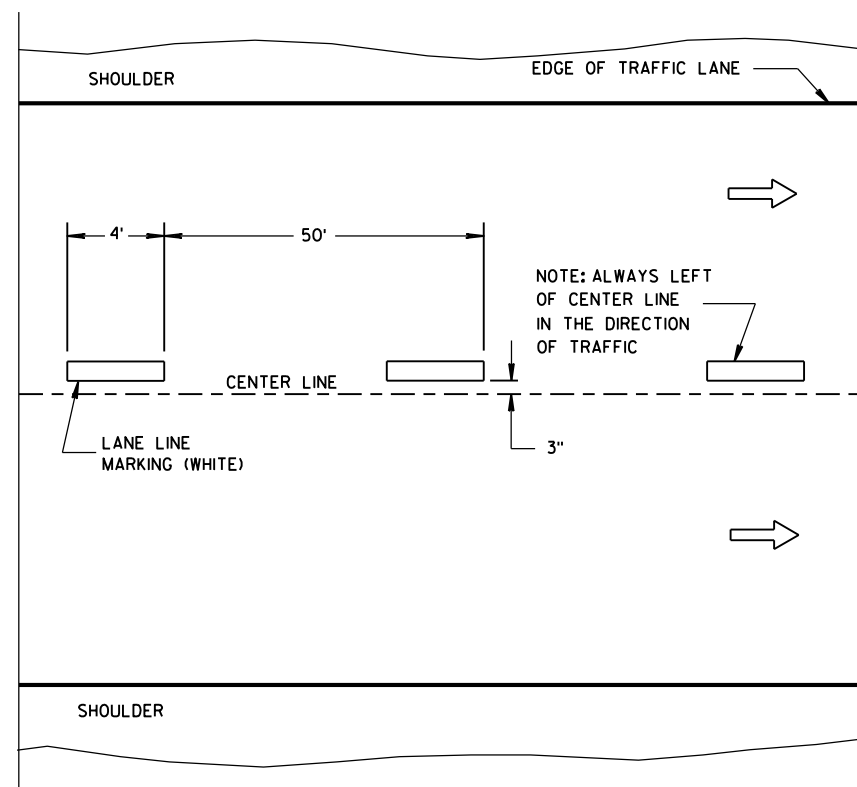


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY PAVEMENT MARKING

GENERAL NOTES

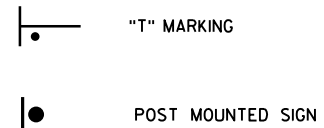
DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

- ① LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING.

NOTE

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

LEGEND

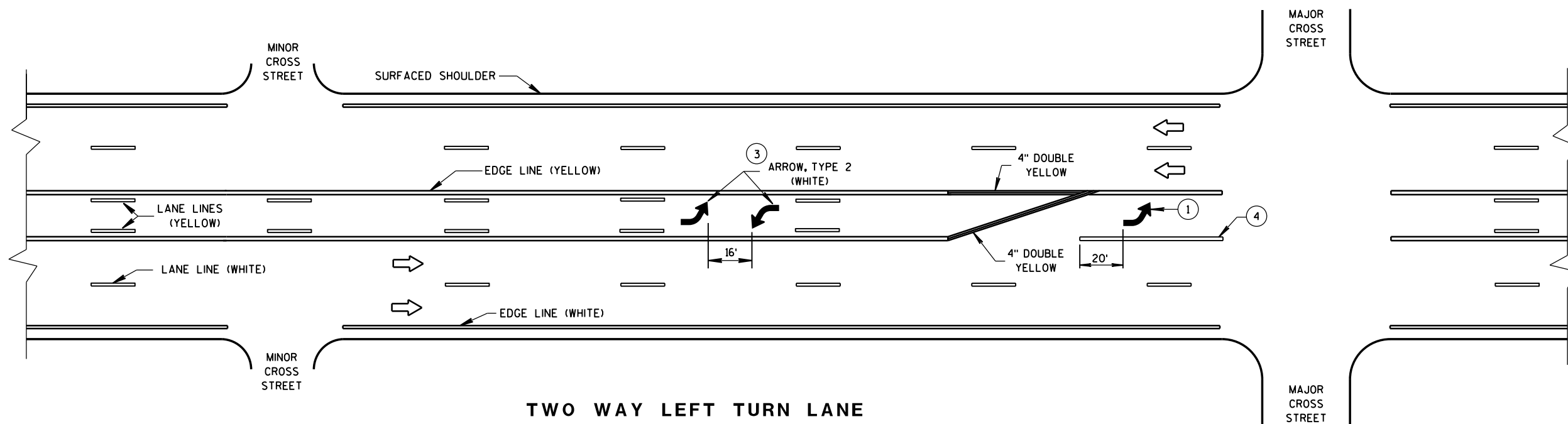
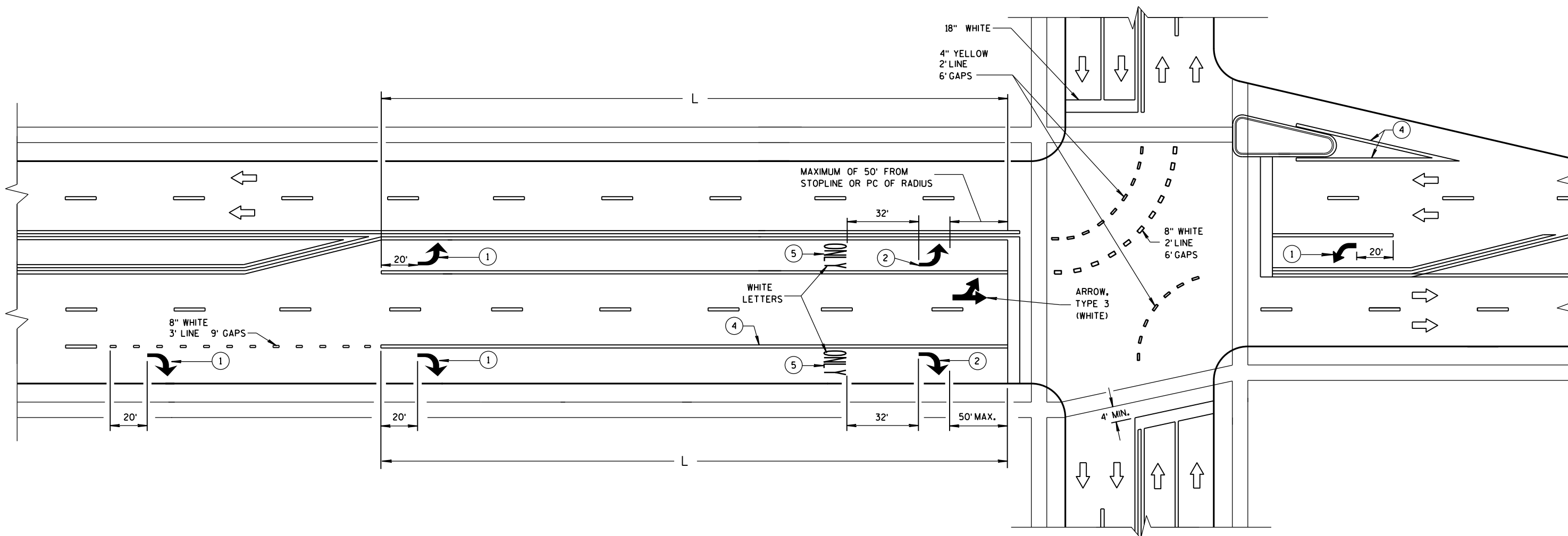


LONGITUDINAL MARKING
(MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2017 /S/ Matthew R. Rauch
DATE STATE SIGNING AND MAP 163 INEE

FHWA



GENERAL NOTES

- ① REQUIRED ARROW, TYPE 2 (WHITE).
- ② REQUIRED ARROW, TYPE 2 (WHITE) WHEN L IS GREATER THAN 78 FEET AND LESS THAN OR EQUAL TO 166 FEET.
- ③ A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
- ④ 8" WHITE
- ⑤ REQUIRED WORD ONLY WHEN L IS GREATER THAN 166 FEET.

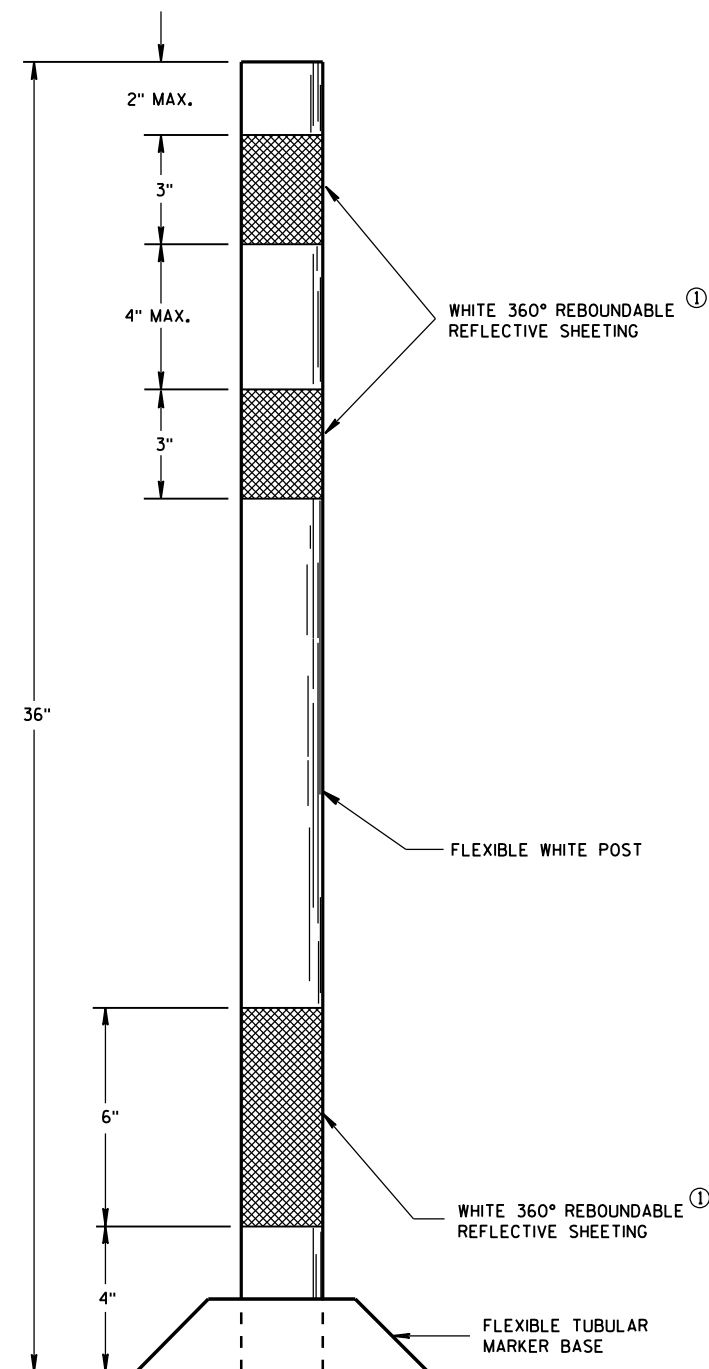
TWO WAY LEFT TURN LANE

NOTE:
ARROW SYMBOL ()
SHOWS DIRECTION OF TRAVEL

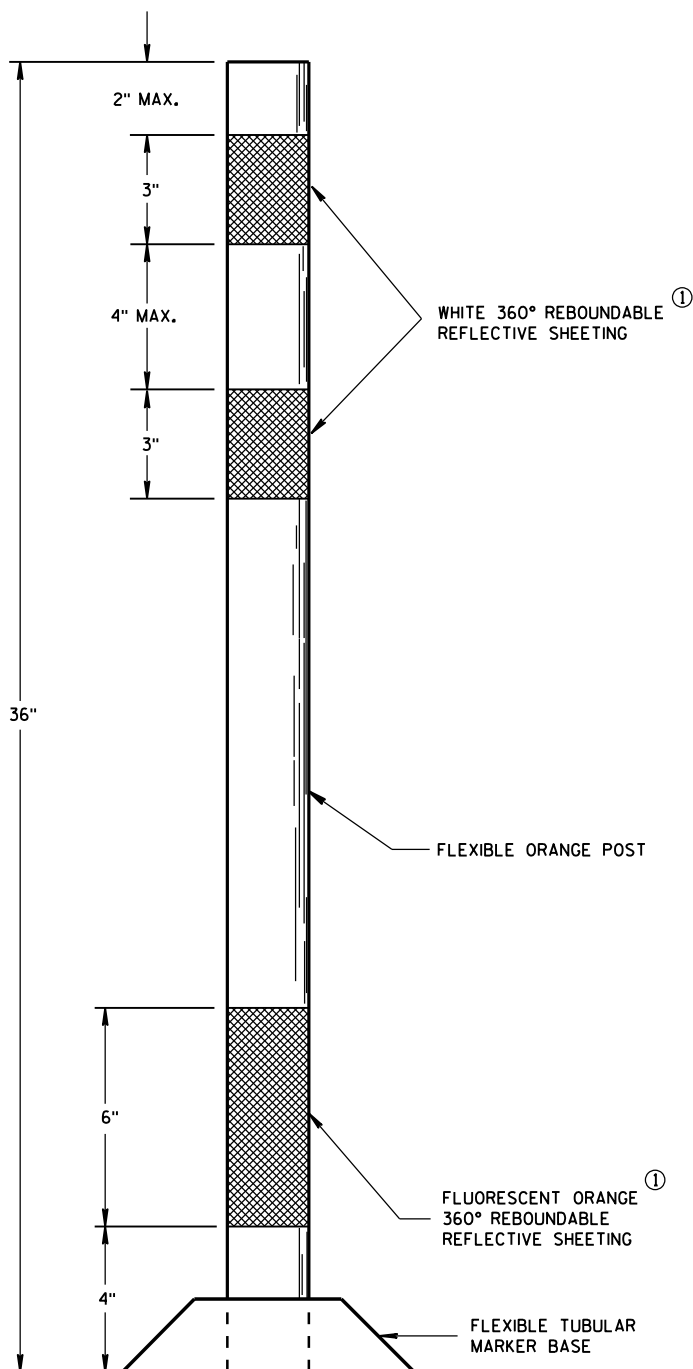
L = LENGTH OF TURN BAY

PAVEMENT MARKING
(TURN LANES)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 164



**FLEXIBLE
TUBULAR MARKER POST
PERMANENT CROSSOVER**



**FLEXIBLE
TUBULAR MARKER POST
WORK ZONE**

GENERAL NOTES

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

SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.

THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

**CHANNELIZING DEVICES
FLEXIBLE TUBULAR MARKER
POST**

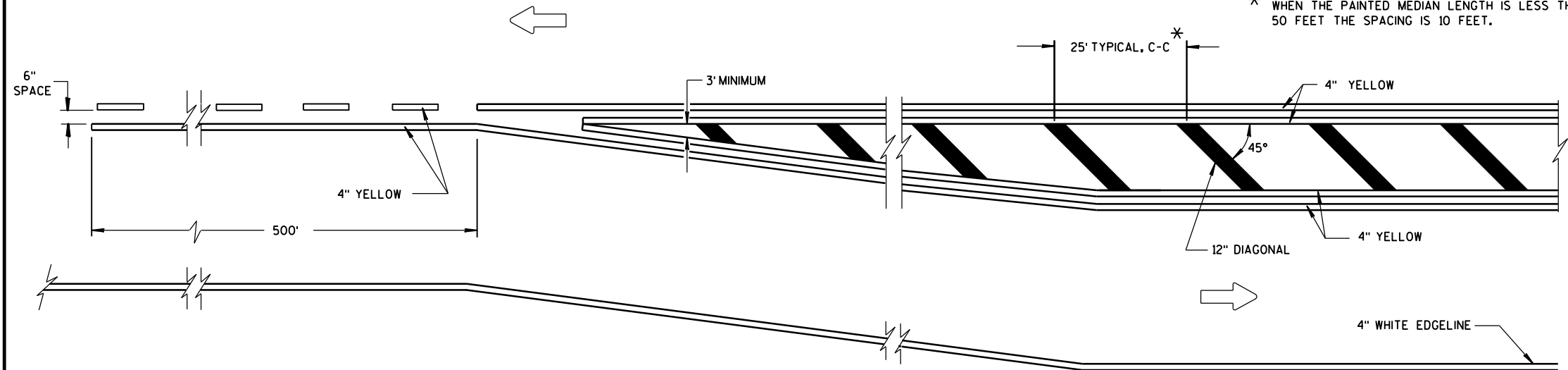
**STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION**

APPROVED

June 2017
DATE

/S/ Andrew Heldtke
WORK ZONE ENGINEER 165

FHWA

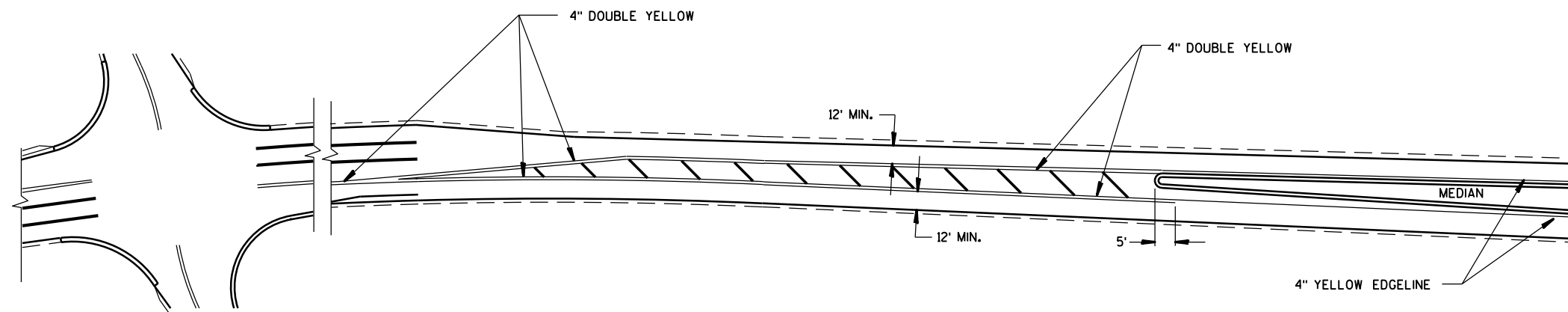


MEDIAN ISLAND DETAIL

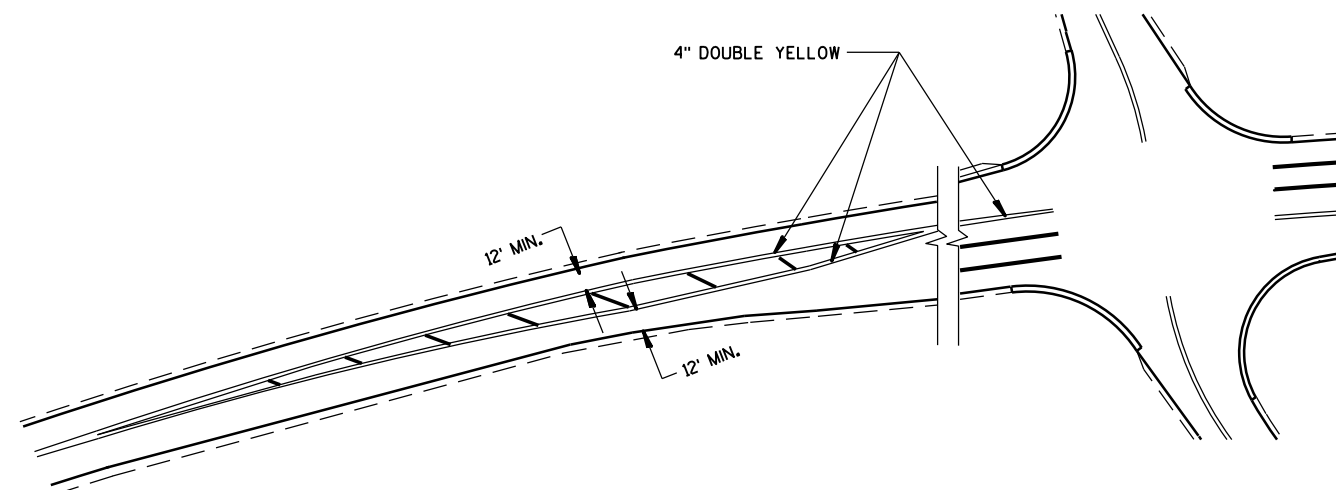
GENERAL NOTE

DIAGONALS ARE OPTIONAL WHEN PAINTED ISLAND IS LESS THAN 6 FEET AT WIDEST POINT.

➡ DIRECTION OF TRAVEL



APPROACH MARKINGS FOR OTHER MEDIAN TYPES

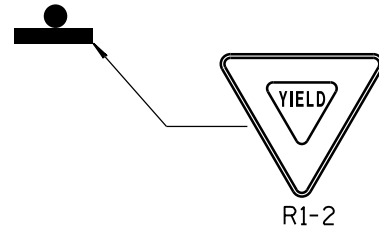
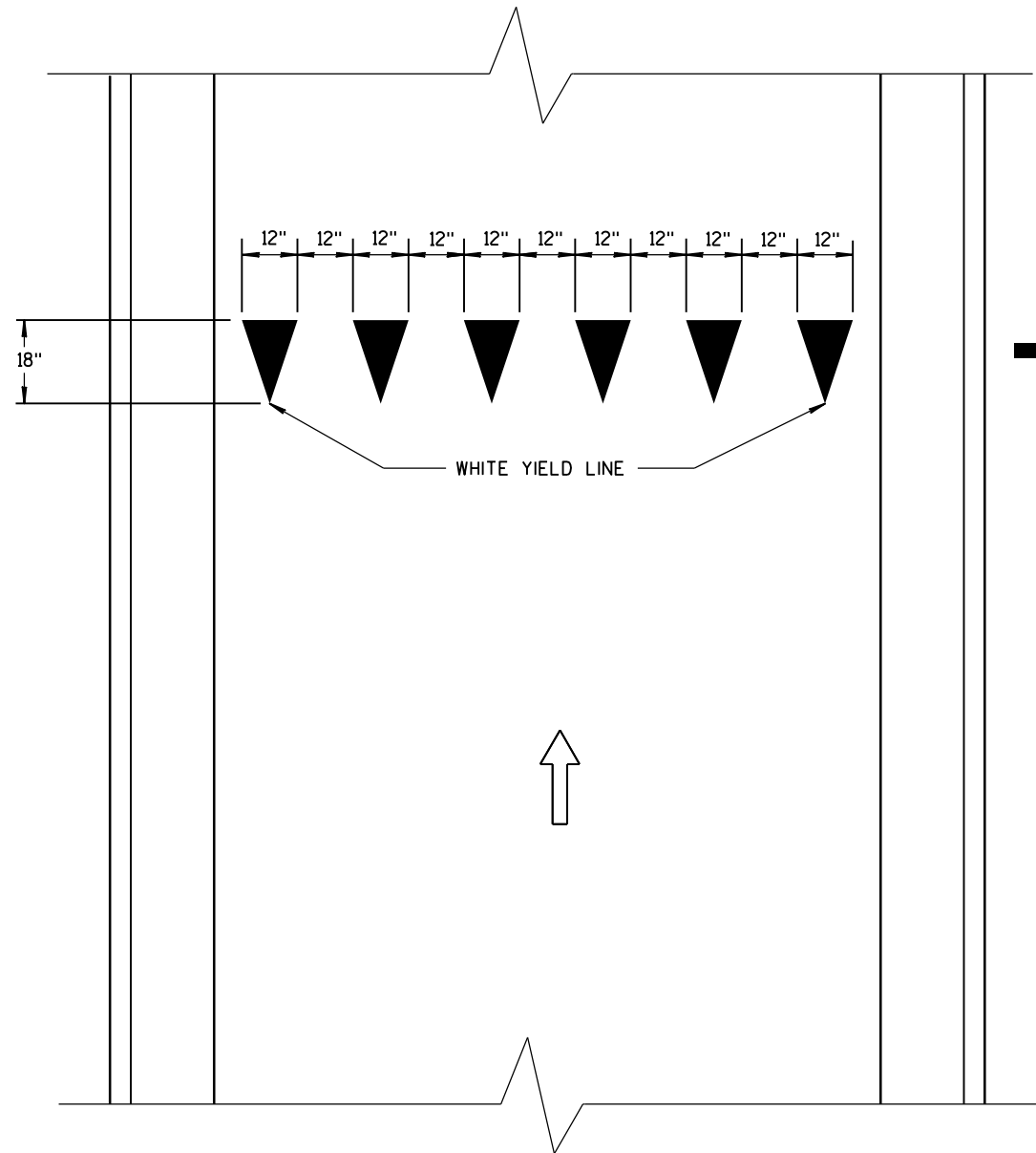


NON APPROACH MARKINGS

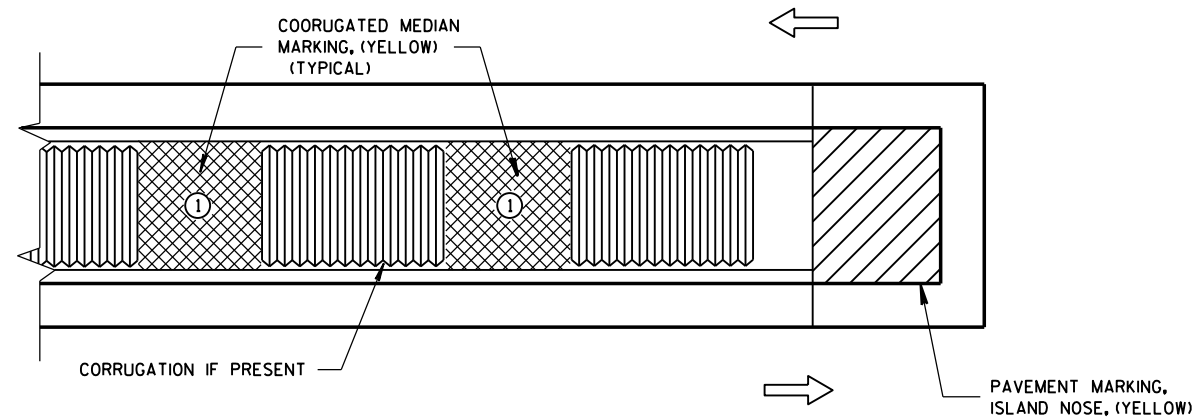
MEDIAN ISLAND MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

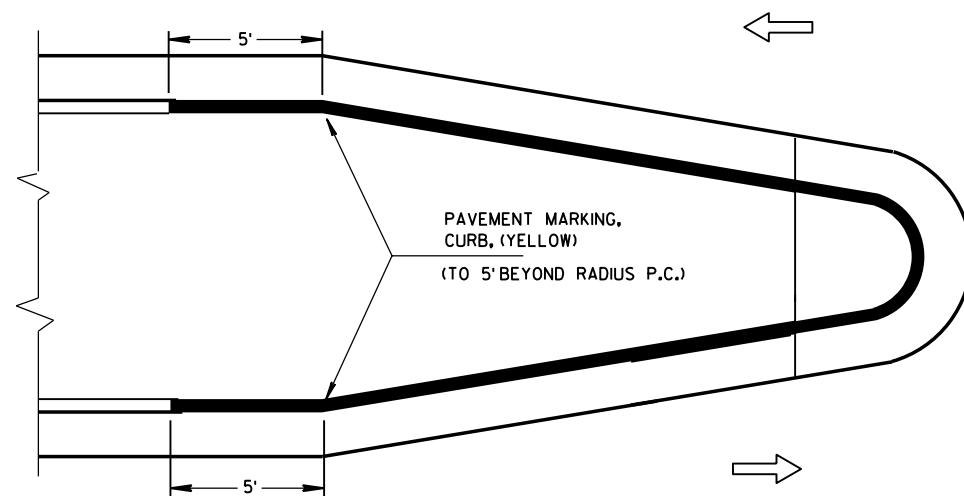
APPROVED
June 2017 /S/ Matthew Rauch
DATE STATE SIGNING AND MARK 166 ER
FHWA



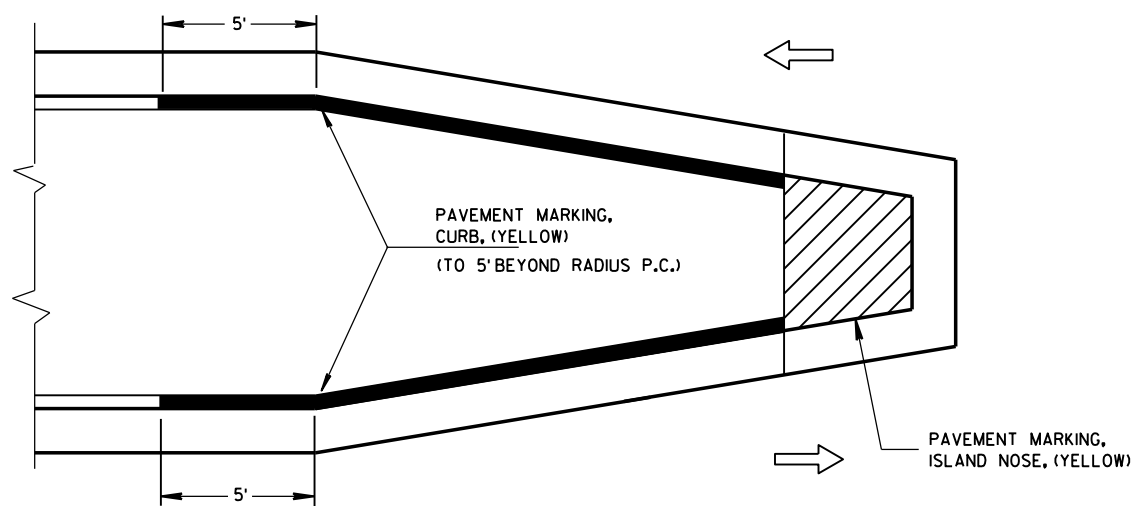
YIELD MARKINGS			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
APPROVED			
4-18-2016	/S/ Matthew R. Rauch	167	IEER
DATE	STATE SIGNING AND MARKING		
FHWA			



MEDIAN ISLAND WITH SQUARE BLUNT NOSE



MEDIAN ISLAND WITH ROUND BLUNT NOSE

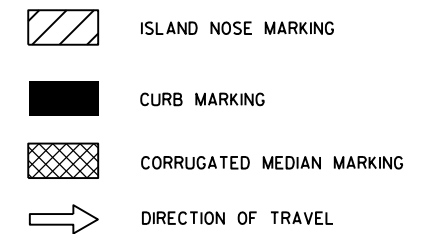


MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

GENERAL NOTES

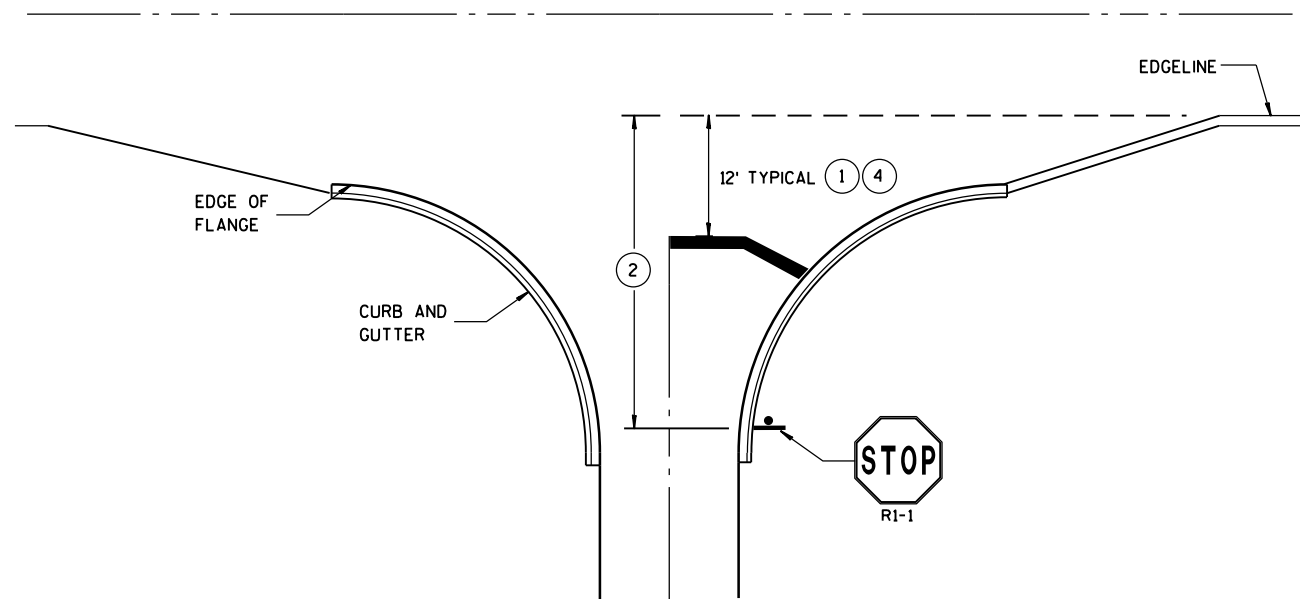
- ① WHEN CONCRETE CORRUGATED MEDIAN IS CONSTRUCTED TO SEPARATE TRAFFIC OPERATING IN THE OPPOSING DIRECTION YELLOW PAVEMENT MARKING SHALL BE APPLIED TO THE FLAT PORTION OF THE CONCRETE CORRUGATED MEDIAN, THE ITEM OF PAVEMENT MARKING, CONCRETE CORRUGATED MEDIAN, WILL BE MEASURED IN PLACE AND AND ACCEPTED IN ACCORDANCE WITH THE CONTRACT AND PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT.



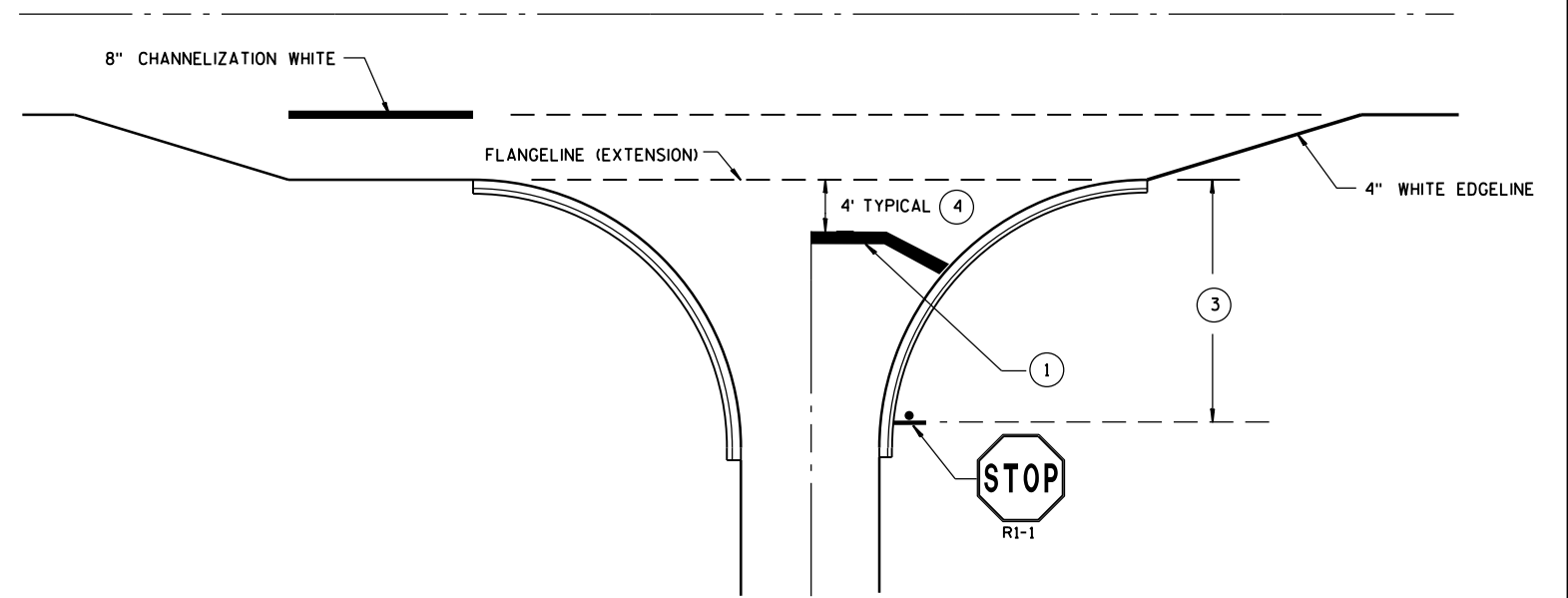
PAVEMENT MARKING (ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

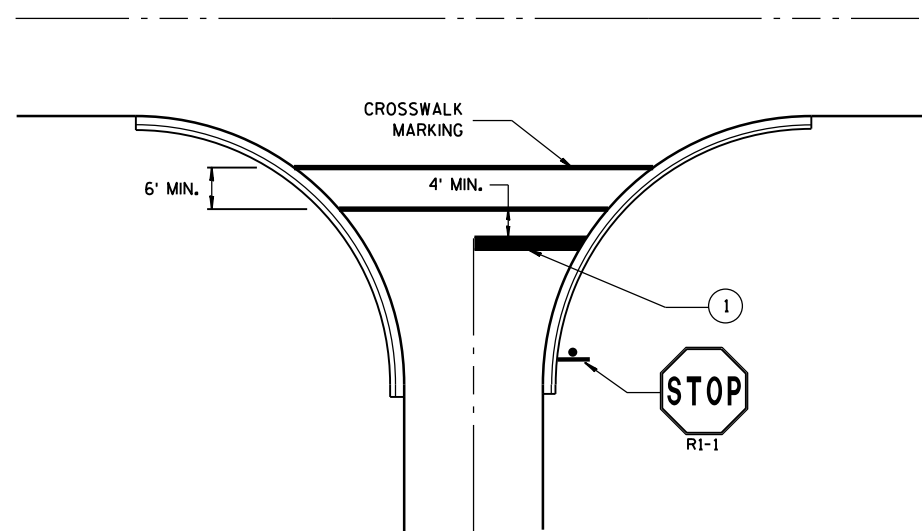
APPROVED
June 2017 /S/ Matthew Rauch
DATE STATE SIGNING AND MARK 168 EER
FHWA



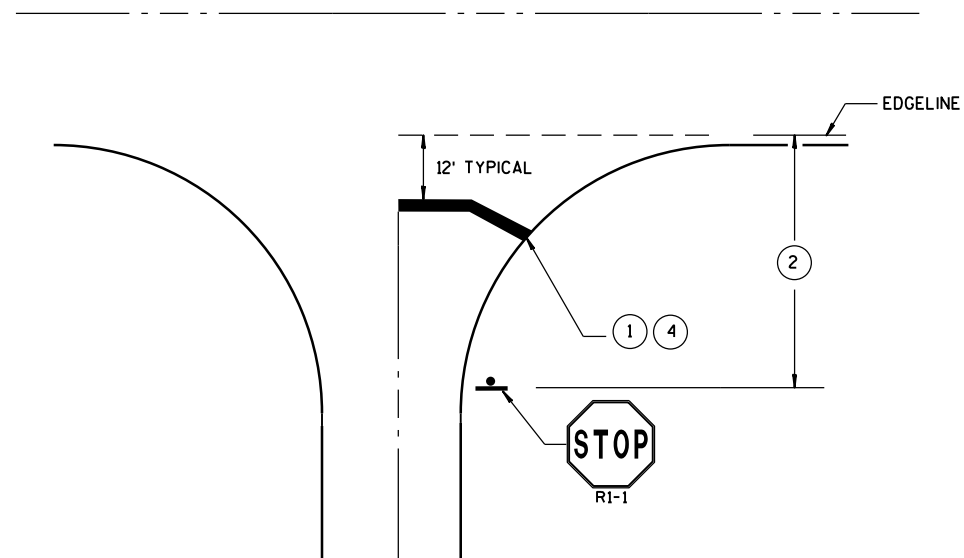
**TYPICAL STOP LINE PAVEMENT MARKING
WITH CURB AND GUTTER**



**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 EDGE LINE 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 EDGE LINE 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

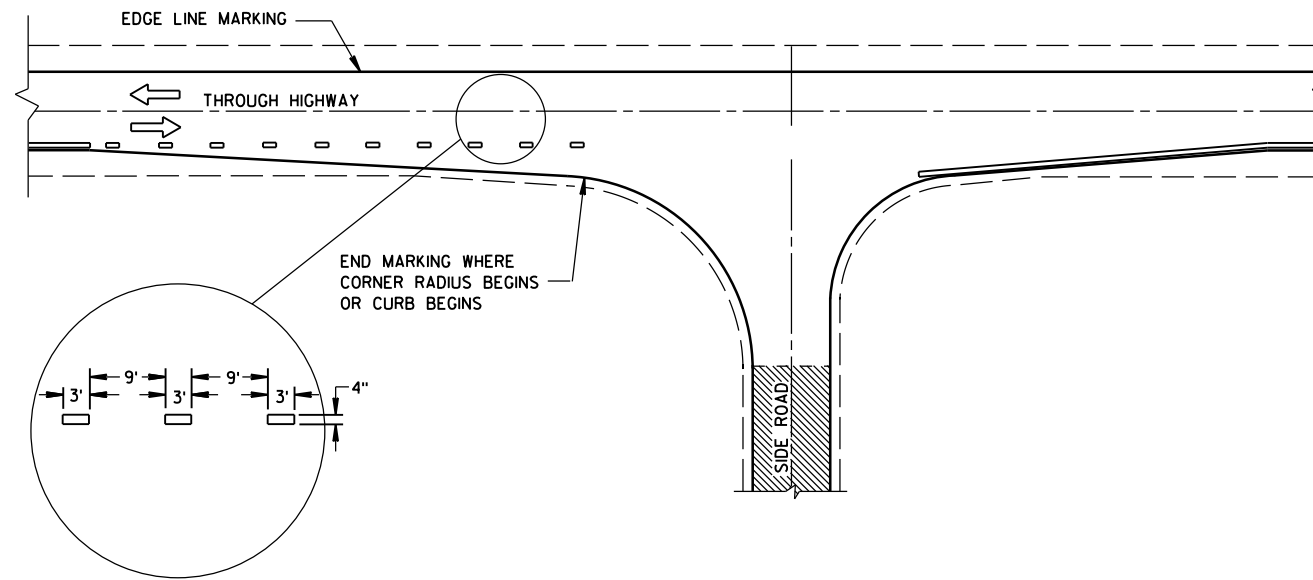
APPROVED

DATE

FHWA

/S/ Matthew R. Rauch
STATE SIGNING AND MAR 169

JEER



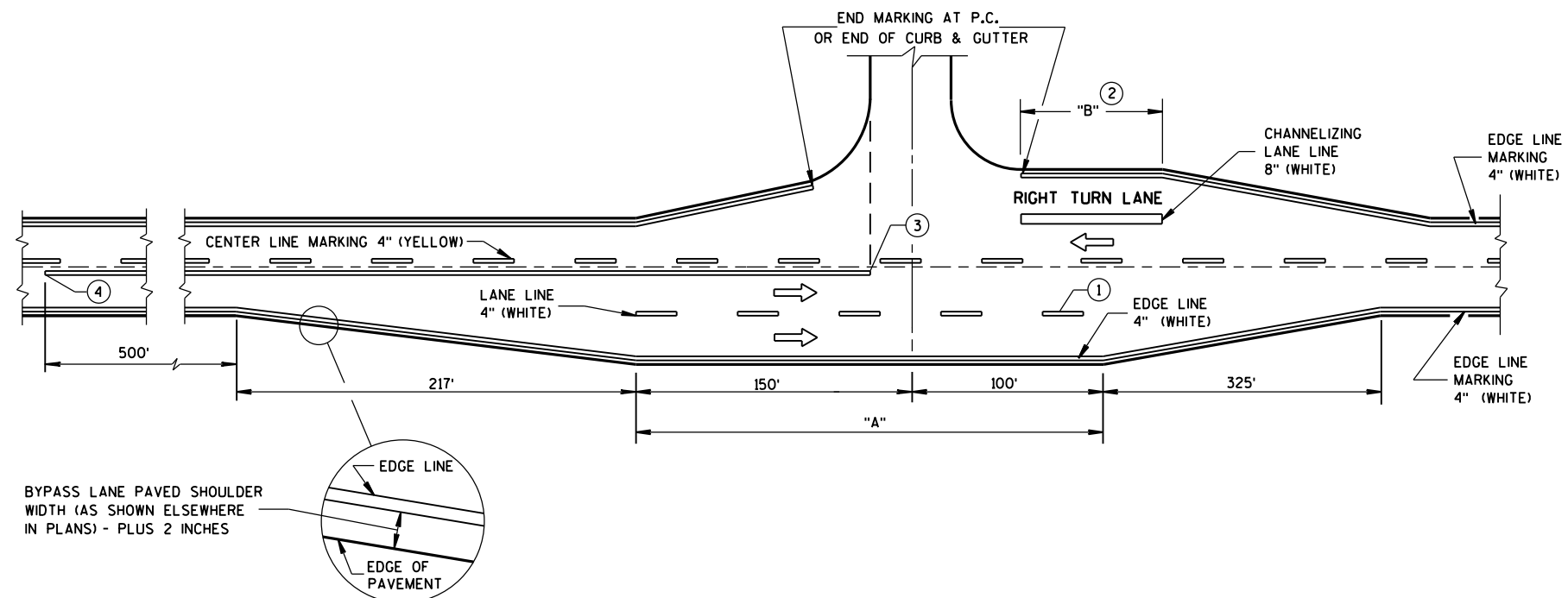
MINOR INTERSECTION

GENERAL NOTES

OMIT EDGE LINES THROUGH INTERSECTIONS. CONTINUE EDGE LINES THROUGH DRIVEWAYS.

- ① WHEN DISTANCE "A" IS LESS THAN 250 FEET, OMIT LANE LINE.
- ② WHEN DISTANCE "B" IS LESS THAN 100 FEET, OMIT CHANNELIZING LANE LINE.
- ③ BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.
- ④ BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

ARROW SYMBOL () SHOWS DIRECTION OF TRAVEL

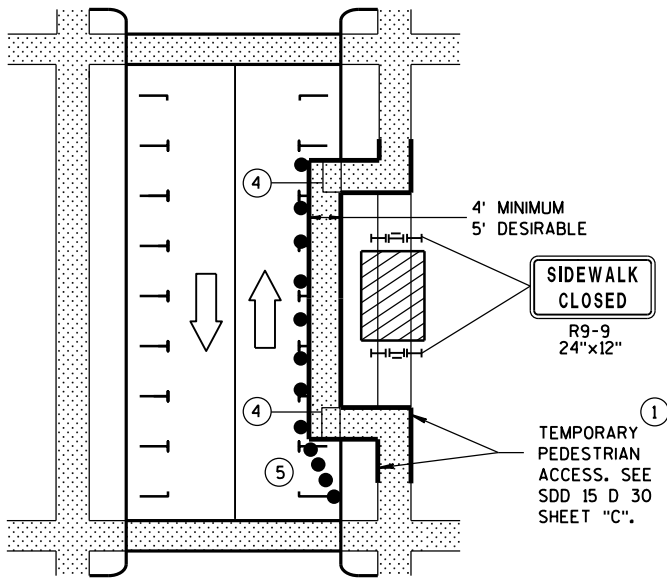


MAJOR INTERSECTIONS
(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANE)

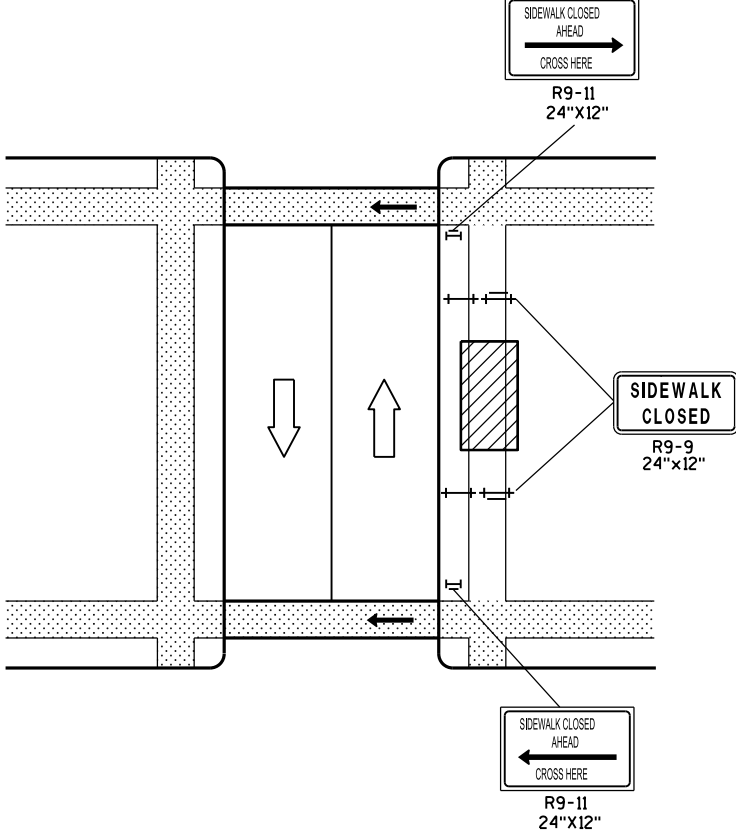
**PAVEMENT MARKING
(INTERSECTIONS)**

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION 170

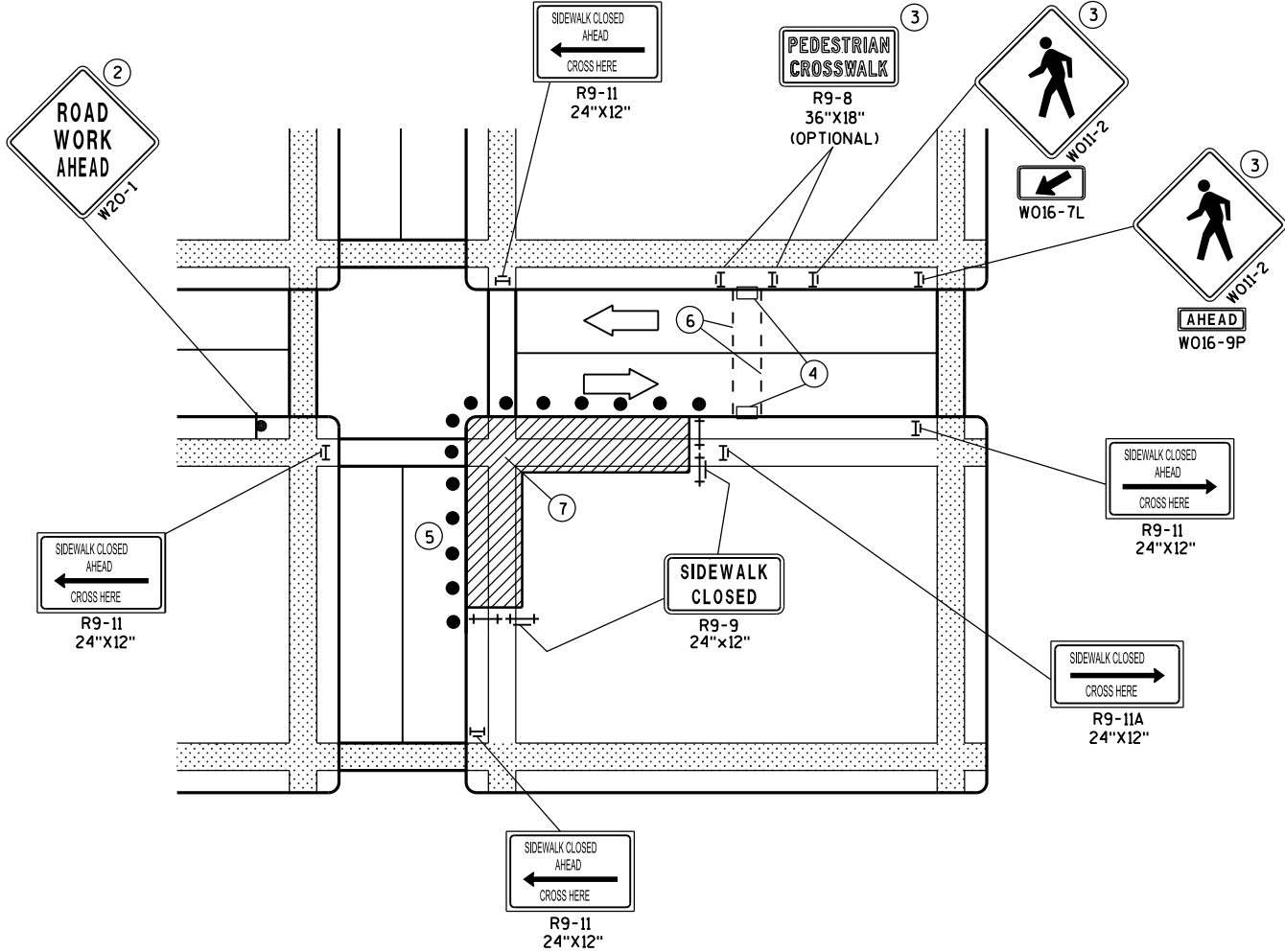
NOTE: MAY BE USED ON ROADWAY WITH POSTED SPEED OF LESS THAN 40 MPH.



MID-BLOCK SIDEWALK CLOSURE IN PARKING LANE

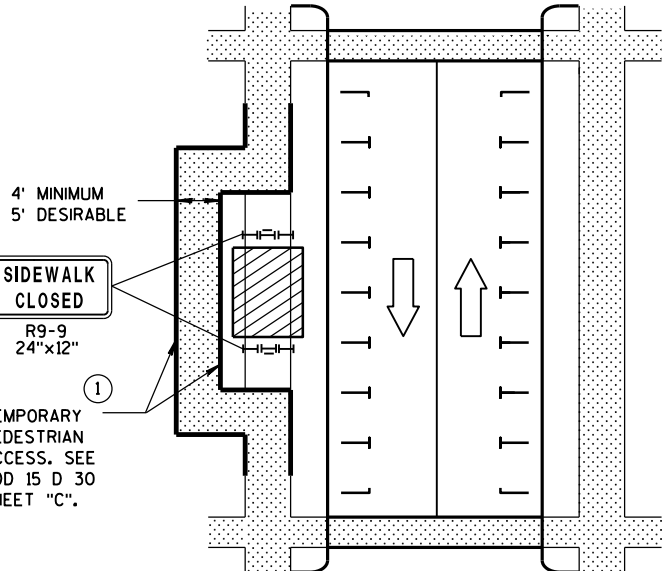


MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

NOTE: LAYOUT SAME AS ABOVE.



SIDEWALK DIVERSION

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"W0" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

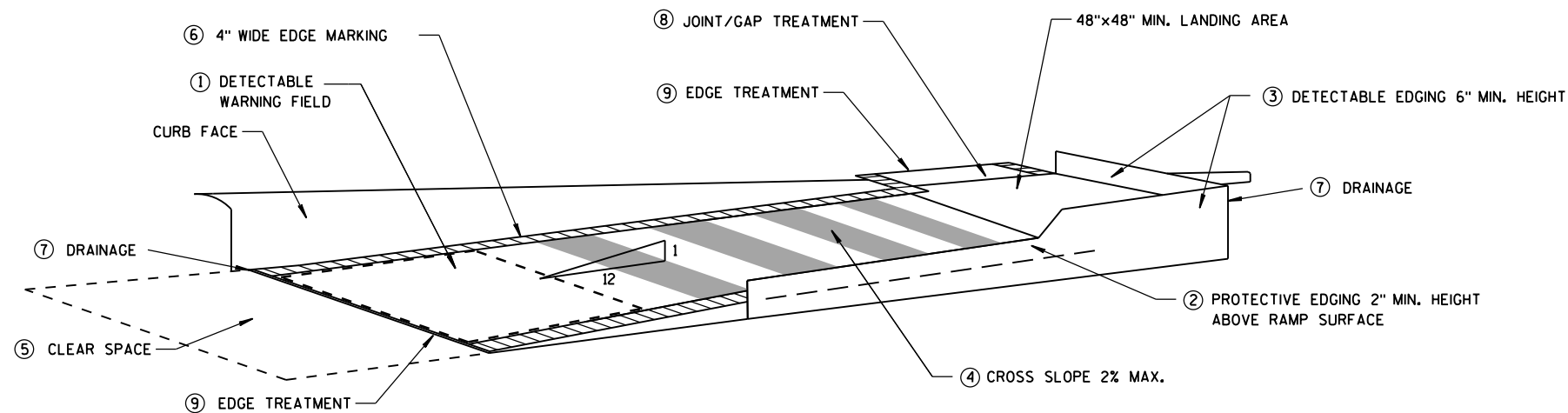
- IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.
- "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
- IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND W011-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
- TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".
- DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
- LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN DISRUPTION.

LEGEND

- SIGN ON PERMANENT SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- PEDESTRIAN CHANNELIZATION DEVICE
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- DIRECTION OF TRAFFIC
- TRAFFIC CONTROL DRUM

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

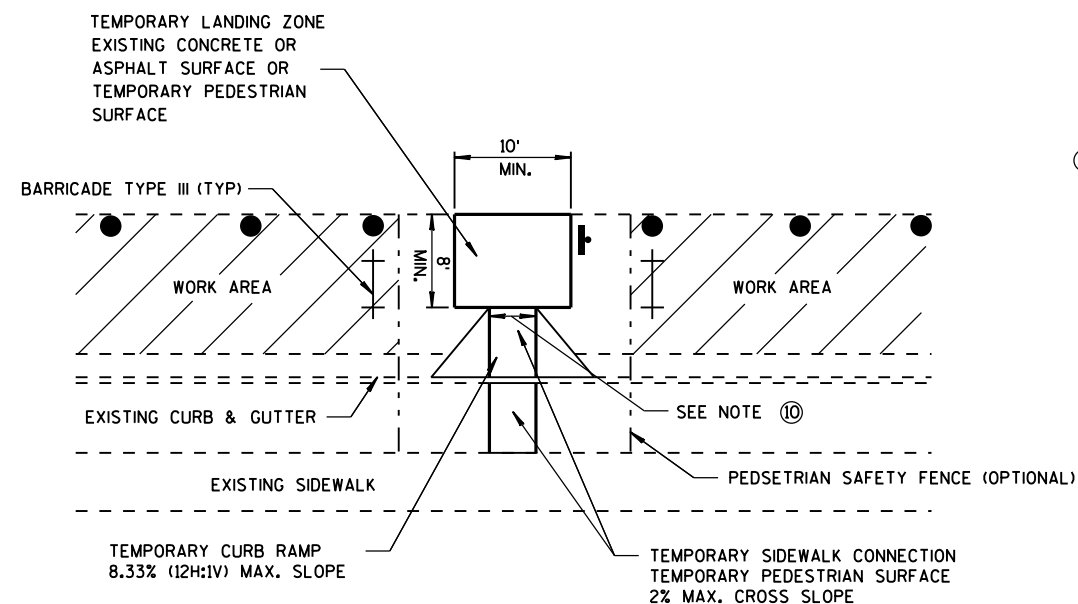
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION 171



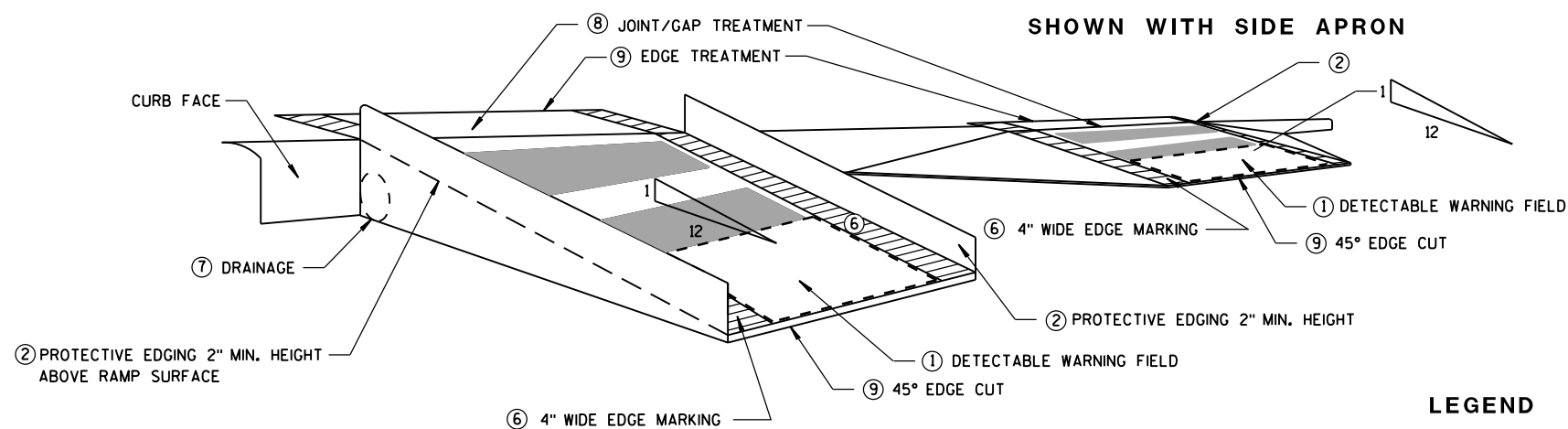
TEMPORARY CURB RAMP
PARALLEL TO CURB

GENERAL NOTES

- NOTIFY THE BUS COMPANY 7 DAYS IN ADVANCE OF THE BUS STOP RELOCATION.
ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.
- 1 CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE. INSTALL CONTRASTING DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS. REFER TO SDD 8D5 SHEET "E".
 - 2 PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.
 - 3 DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).
 - 4 CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.
 - 5 CLEAR SPACE OF 48"x48" MIN. SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.
 - 6 THE CURB RAMP WALKWAY EDGE SHALL BE MARKED WITH A YELLOW COLOR, 4" WIDE MARKING, UNLESS A CONTRASTING DETECTABLE WARNING FIELD IS PROVIDED.
 - 7 DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.
 - 8 LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN 1/2" WIDTH.
 - 9 CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED 1/2". LATERAL EDGES SHALL BE VERTICAL UP TO 1/4" HIGH, AND BEVELED AT 1:2 BETWEEN 1/4" AND 1/2".
 - 10 5' WIDE MIN. WITH PEDESTRIAN SAFETY FENCE, 10' WIDE MIN. WITHOUT PEDESTRIAN SAFETY FENCE.



TEMPORARY BUS STOP PAD



SHOWN WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP
PERPENDICULAR TO CURB

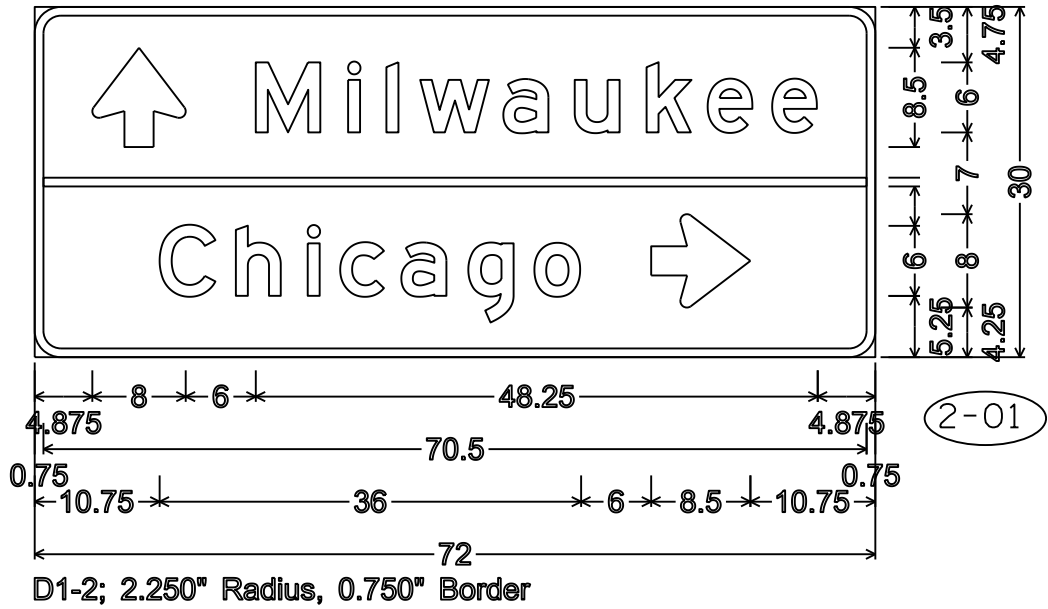
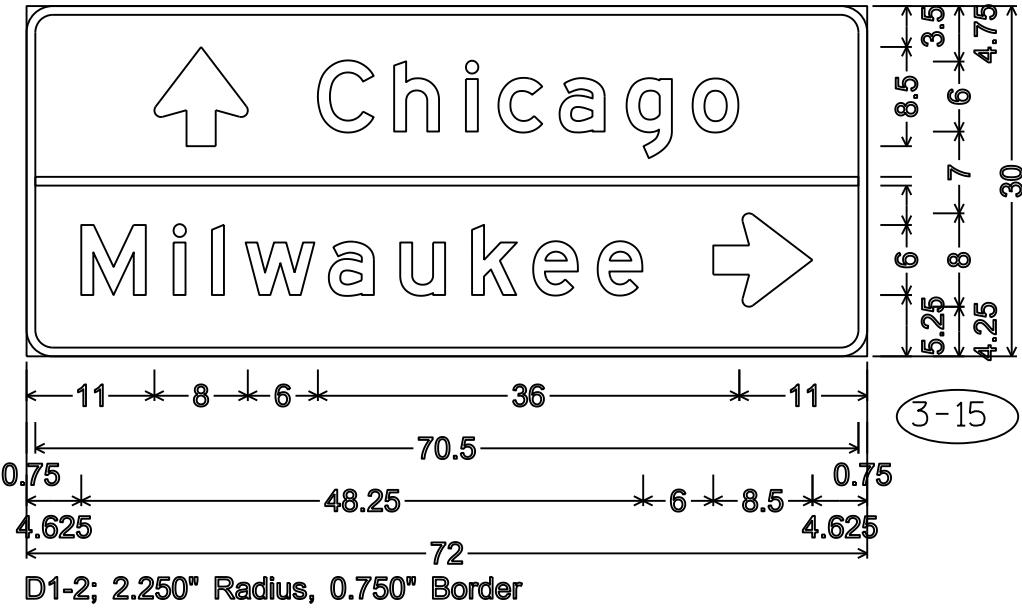
LEGEND

- WORK AREA
- TYPE III BARRICADE
- TRAFFIC CONTROL DRUM

TRAFFIC CONTROL,
TEMPORARY ADA COMPLIANT
PEDESTRIAN ACCOMMODATION

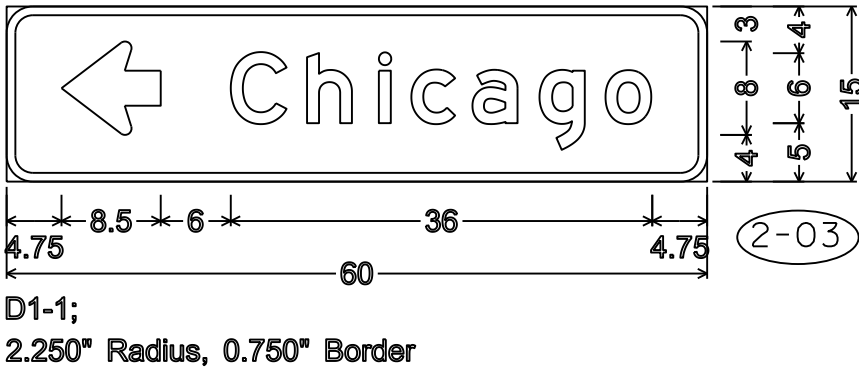
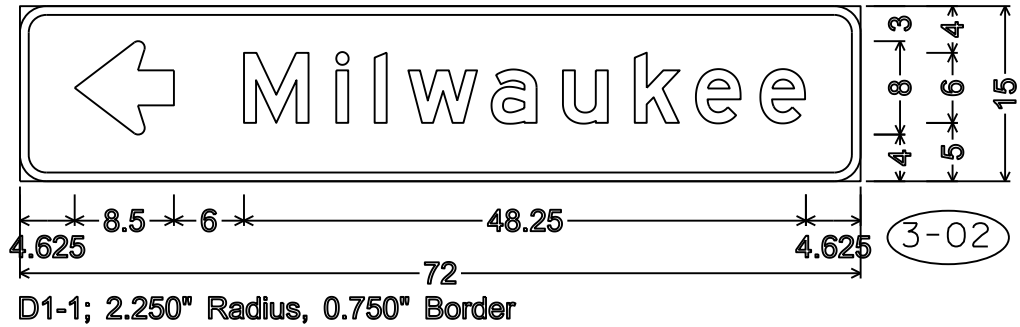
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
June 2016 /S/ Peter Amakobe Atepe
DATE STATEWIDE WORK ZONE SAFETY ENGINEER
FHWA



NOTES

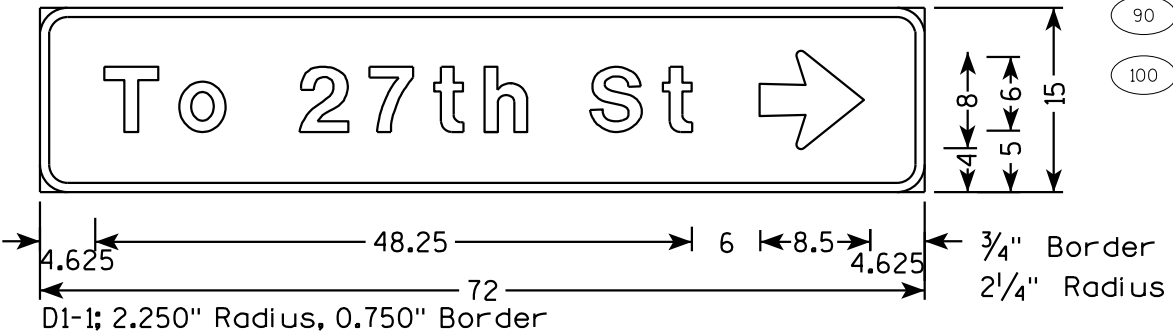
- 1. All Signs Type II - Type H Reflective
- 2. Color:
 - Background - Green
 - Message - White
- 3. Message Series - E



NOTES

- 1. All Signs Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - GREEN
Message - WHITE
- 3. Message Series - E

X-XX = SIGN NUMBER

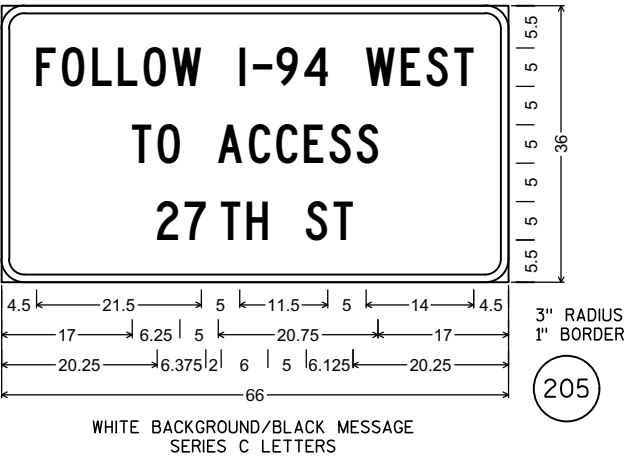
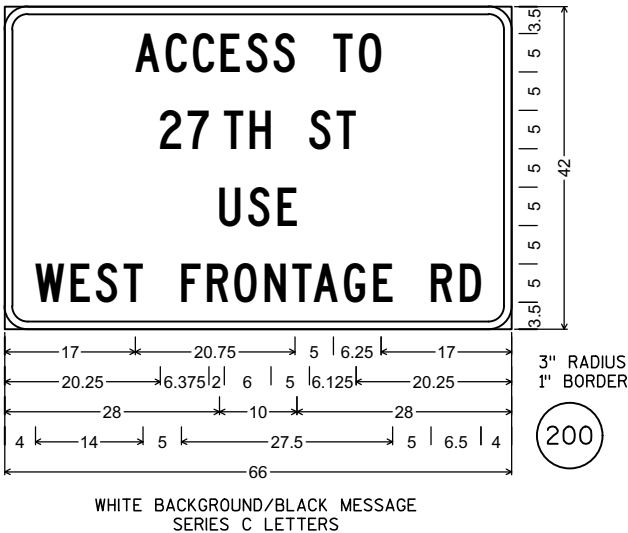
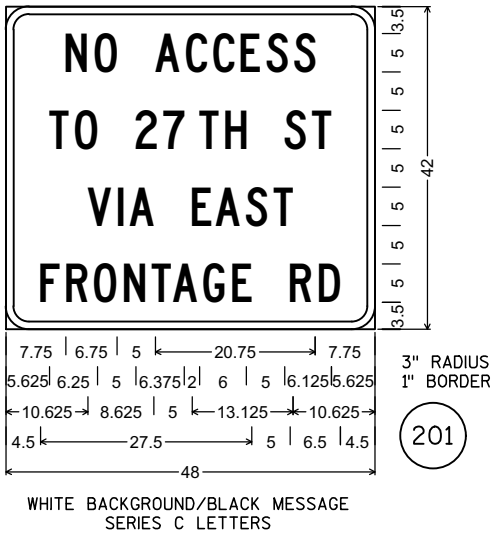


7

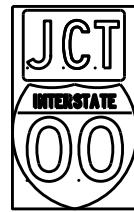
7

NOTES:

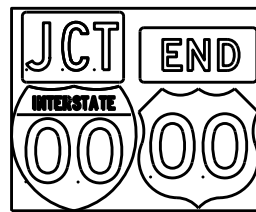
- 1. SIGNS ARE TYPE II - TYPE H REFLECTIVE
- 2. COLOR:
BACKGROUND - WHITE
MESSAGE - BLACK
- 3. MESSAGE SERIES - C EXCEPT AS NOTED



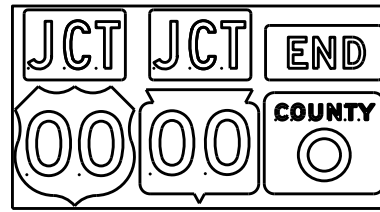
TYPICAL ASSEMBLIES



J1-1



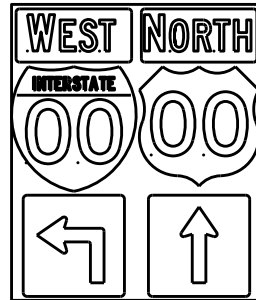
J1-2



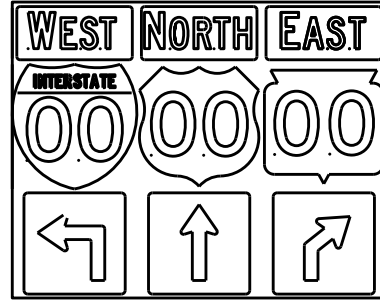
J1-3



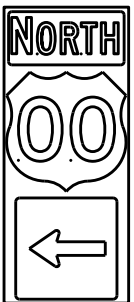
J2-1



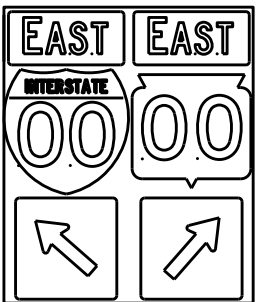
J2-2



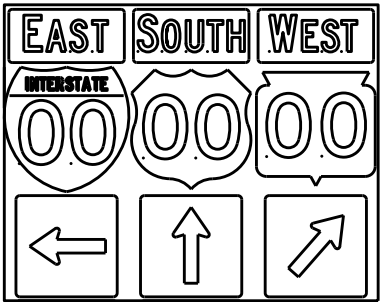
J2-3



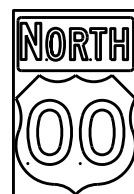
J3-1



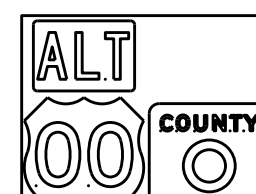
J3-2



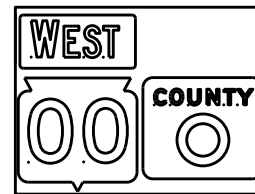
J3-3



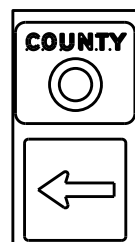
J4-1



J4-2



J4-2



J13-1



J12-1



J32-1



J33-1



J23-1

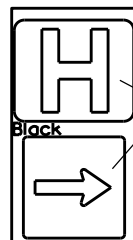


J22-1



JV

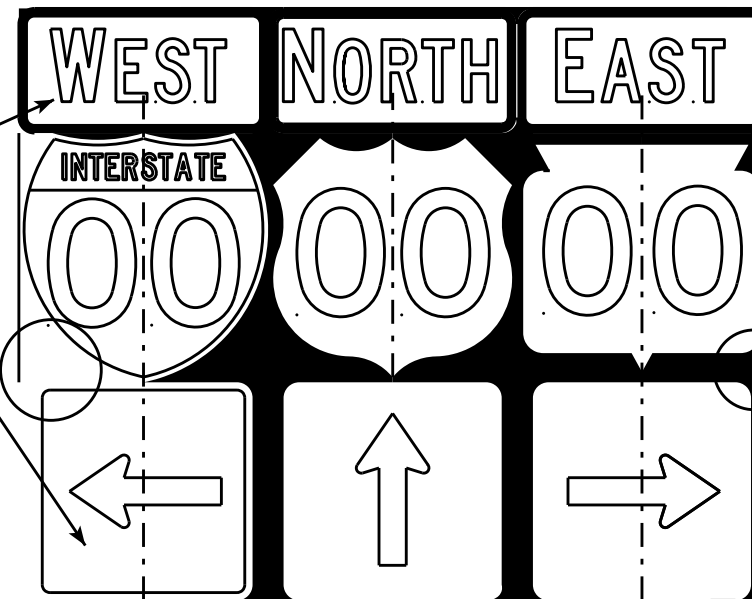
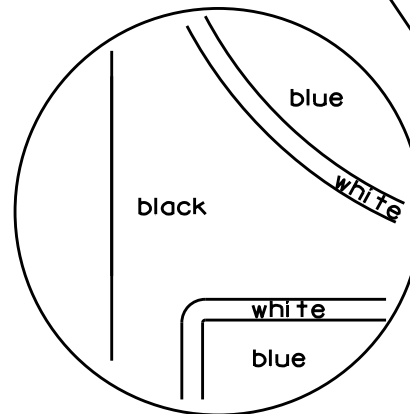
(Typical Vertical J-Assembly
See Note 10 and 11)



JH-1

Blue Background

[blue background
with interstate]



[black background]

ROUTE MARKERS & COMPONENTS
IN TYPICAL ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

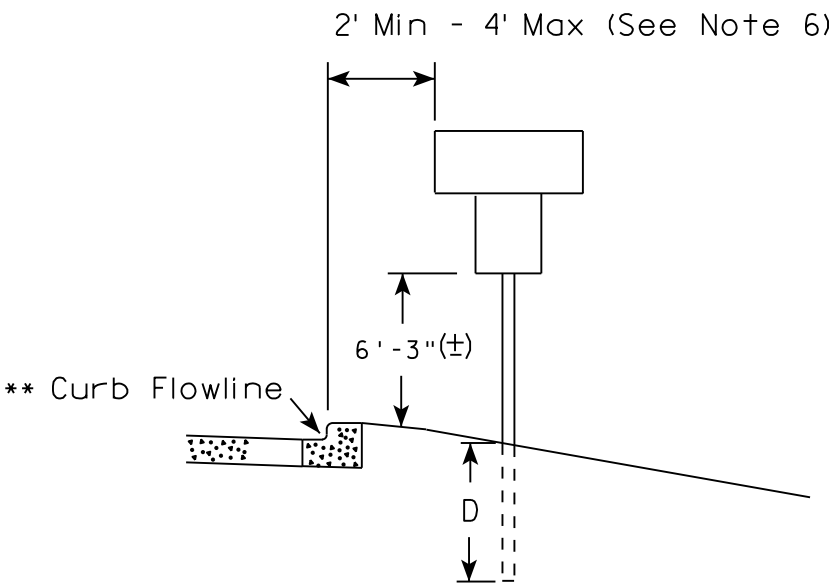
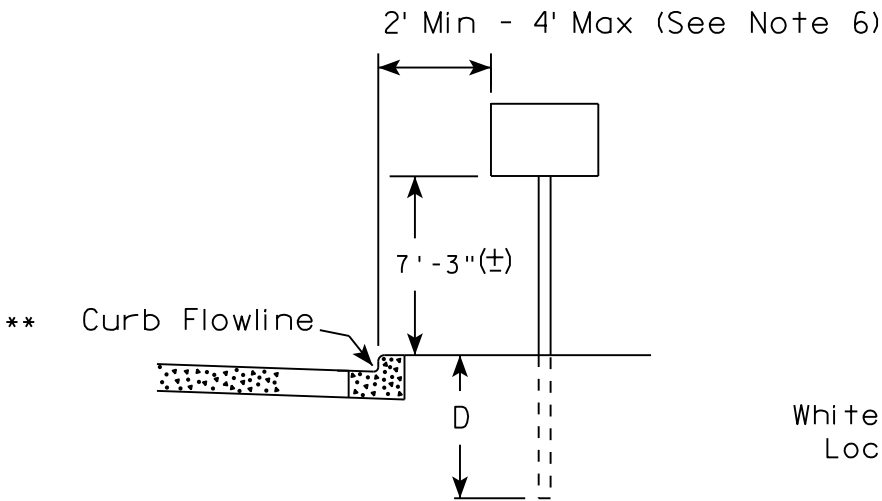
DATE 2/06/14 PL 176 A2-1S.8

SHEET NO: E

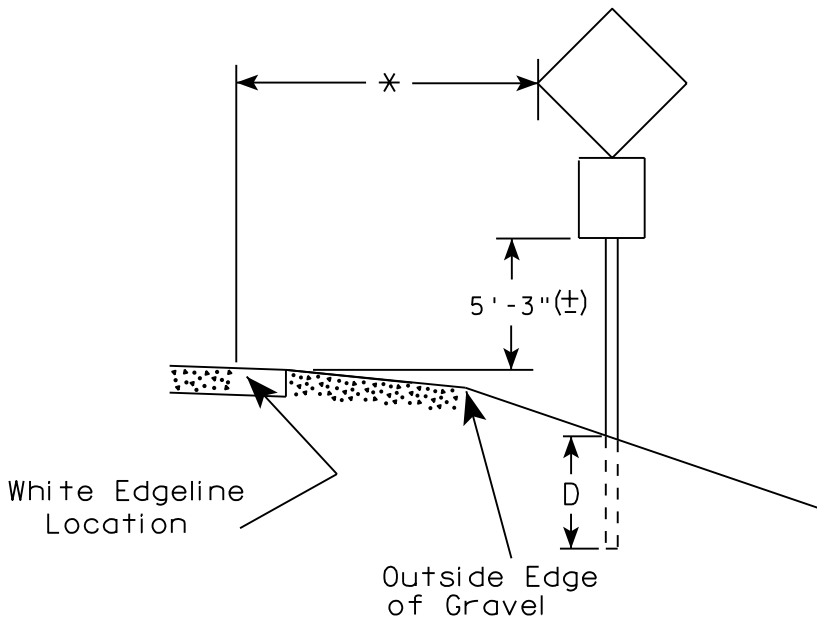
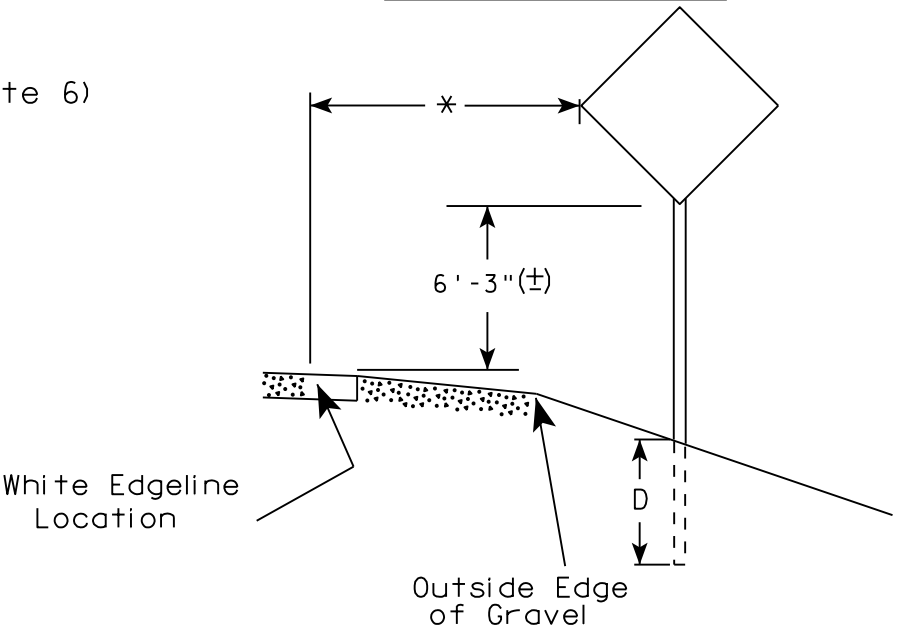
NOTES

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 inches (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.

URBAN AREA



RURAL AREA (See Note 2)



POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

✖✖ 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 directed 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" (±).

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

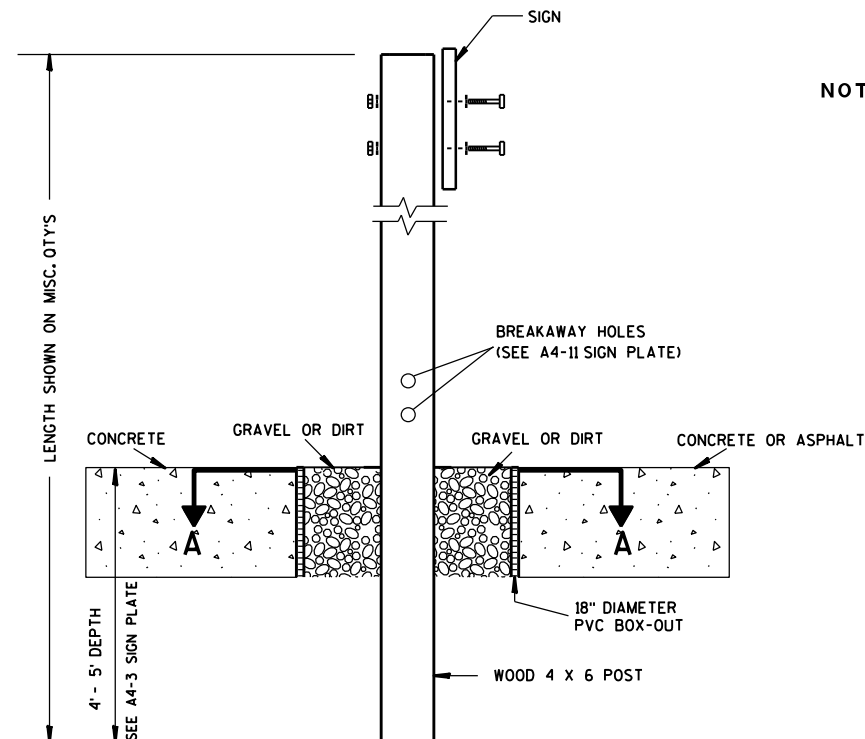
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 177

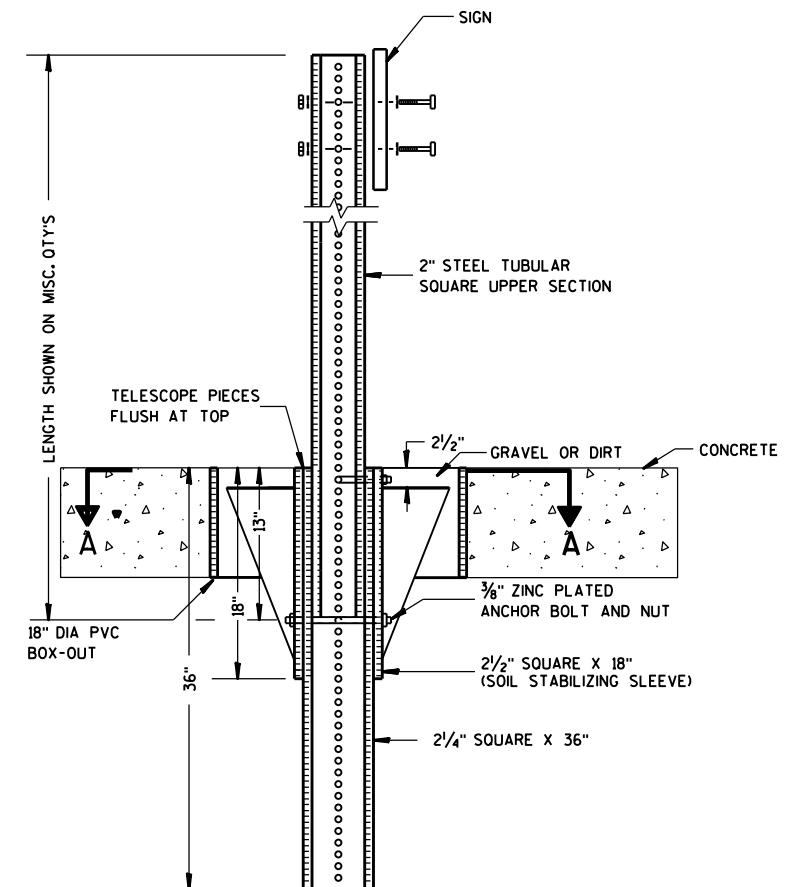
E



ELEVATION VIEW

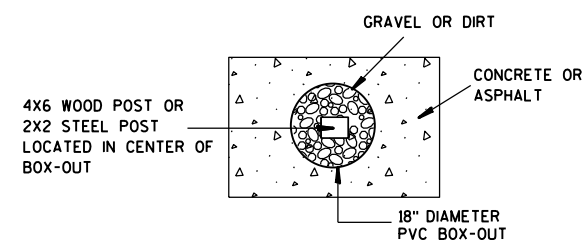
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

- 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

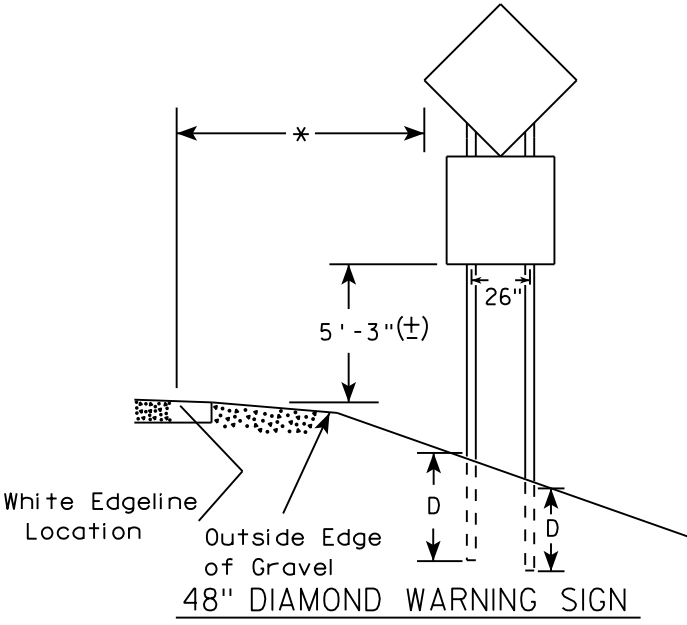
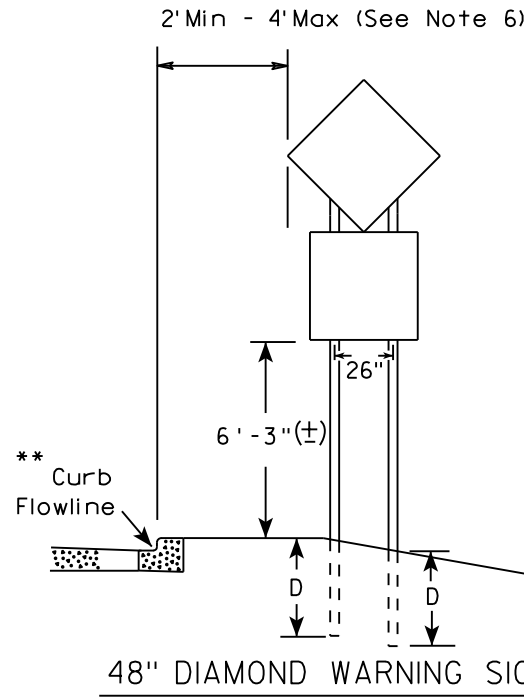
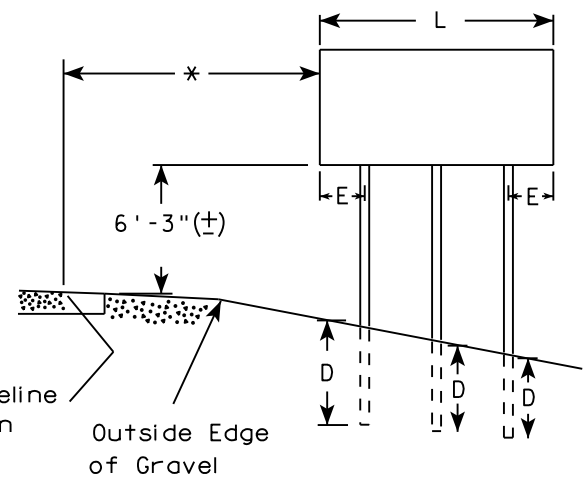
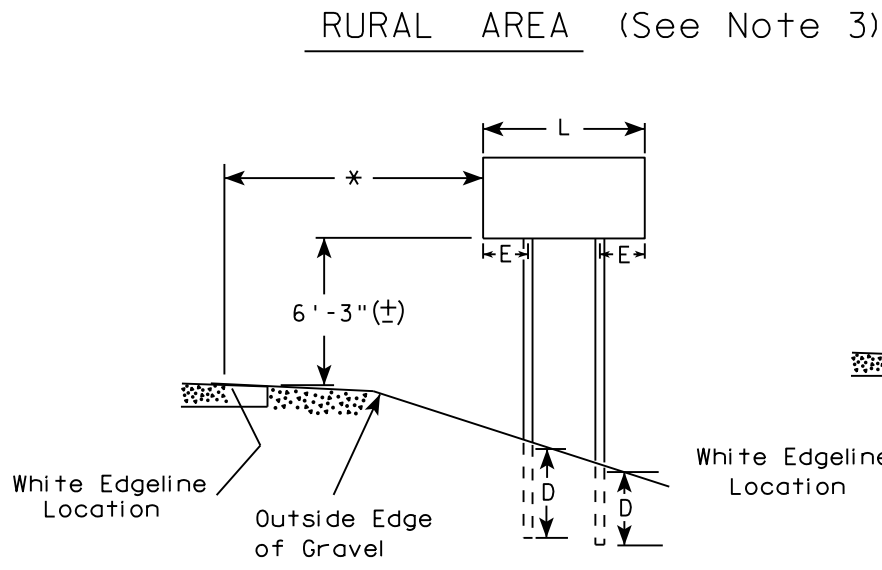
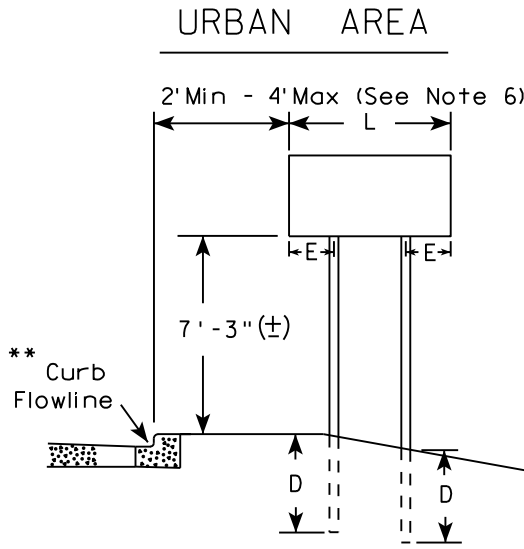
FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST
BOX-OUTS
A4-3B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 1/27/14 PLAT 178 A4-3B.1



* 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.

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"

POST EMBEDMENT DEPTH

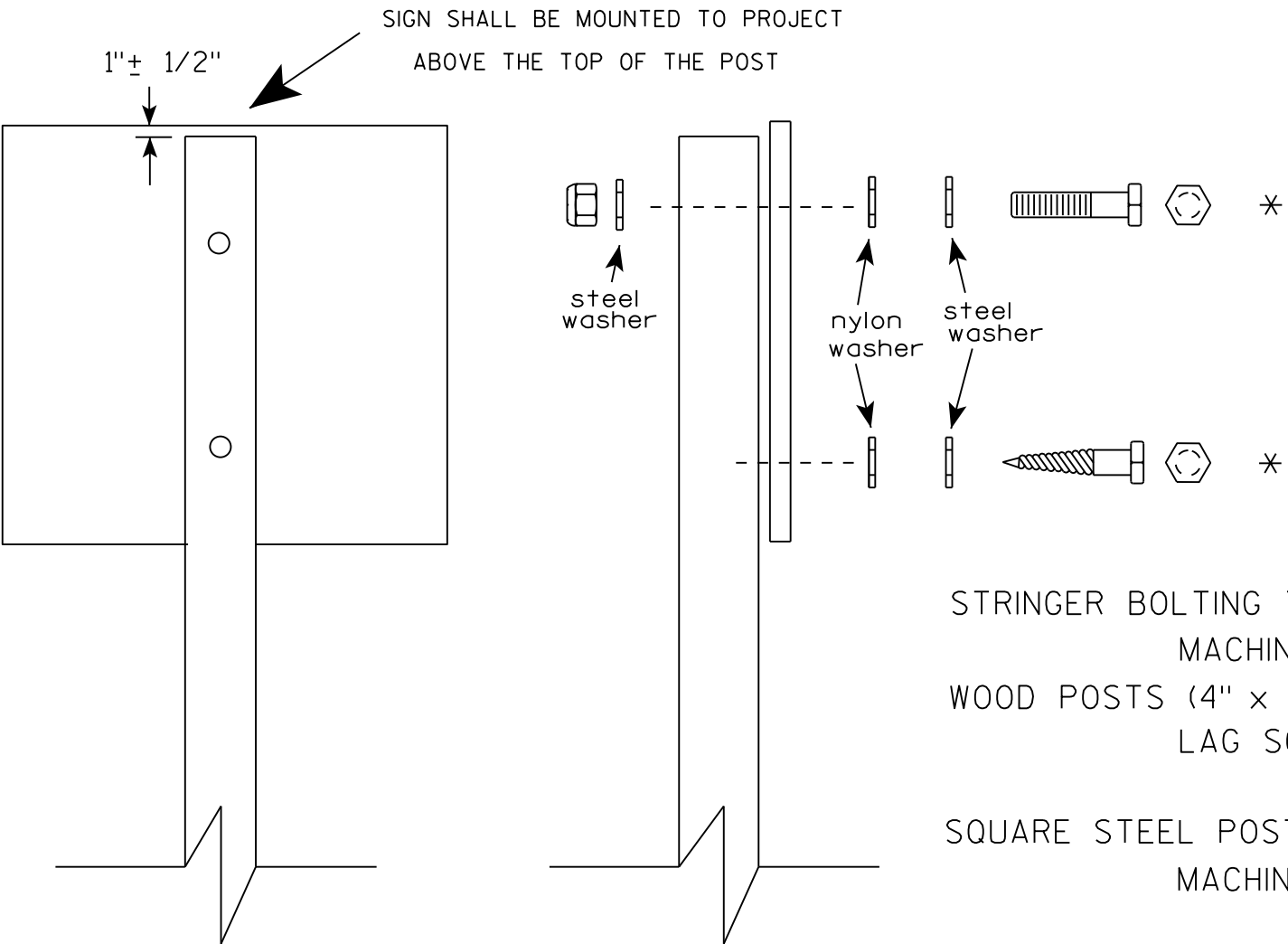
Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

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



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.

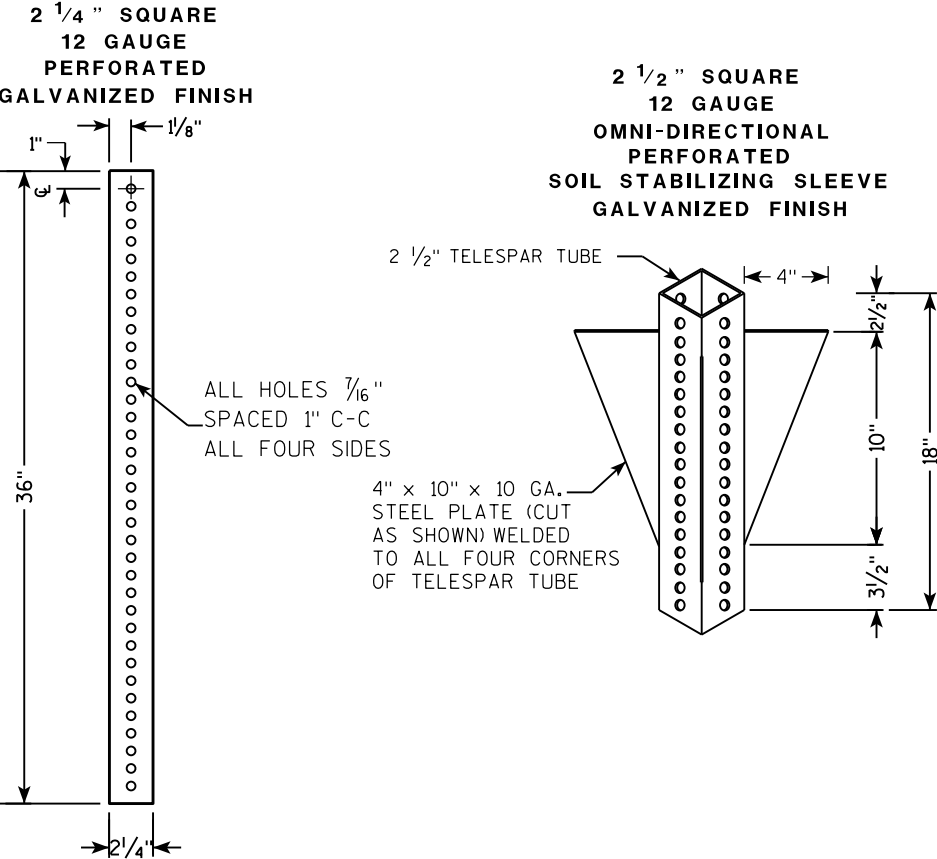
ATTACHMENT OF SIGNS
TO POSTS

WISCONSIN DEPT OF TRANSPORTATION

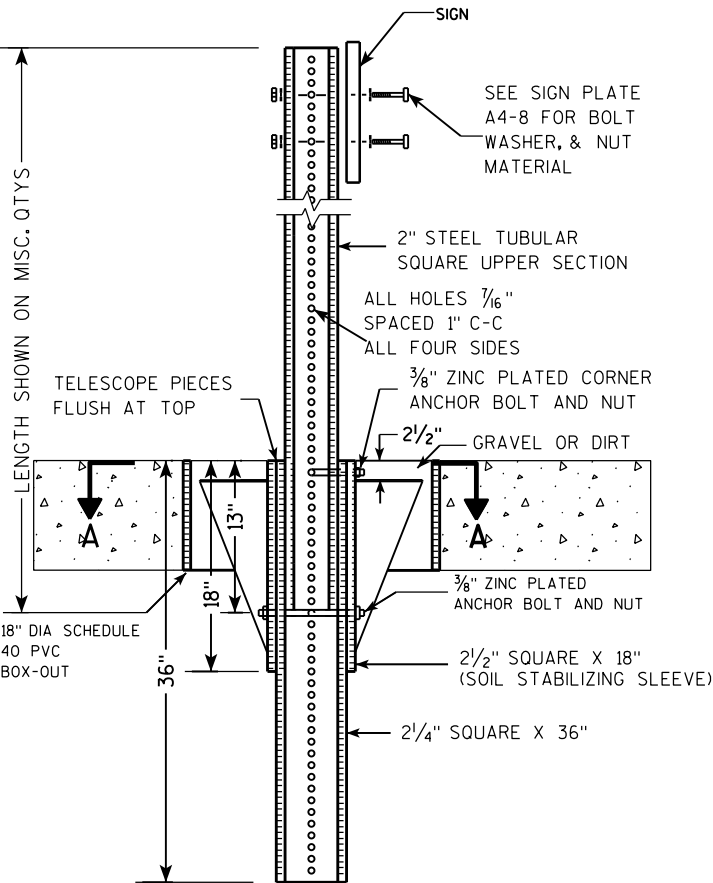
APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 8/11/16 PLATE NO. A4-8.8
180

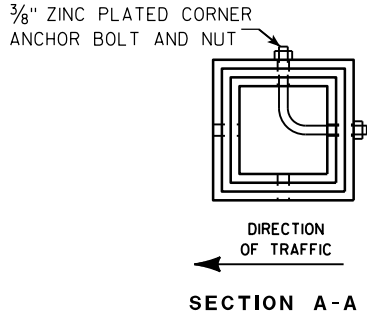
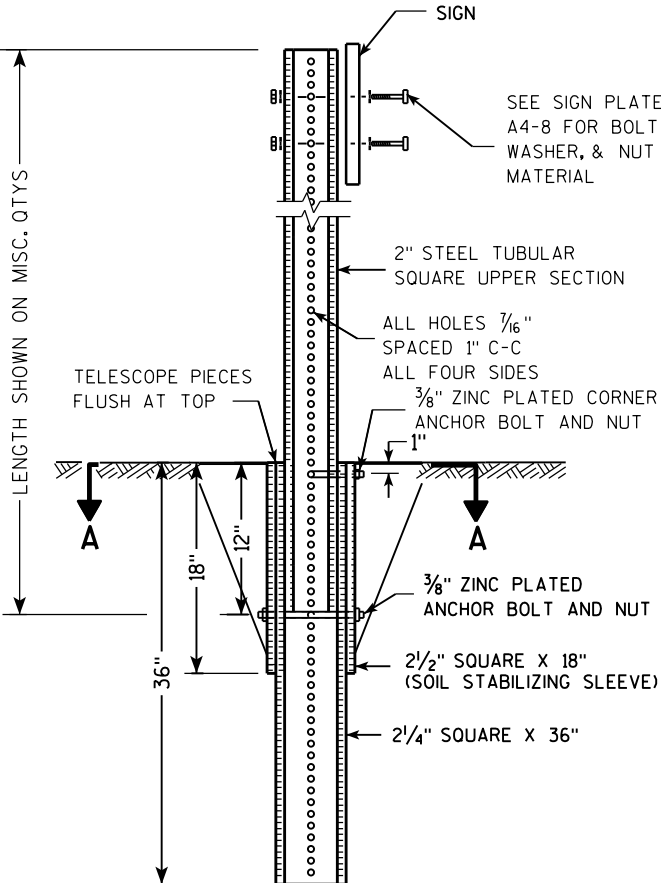
TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM



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)



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

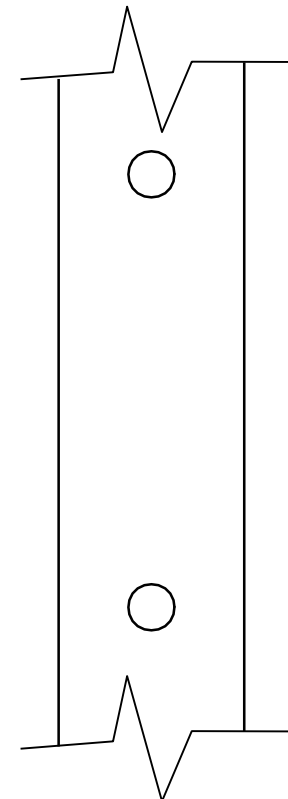
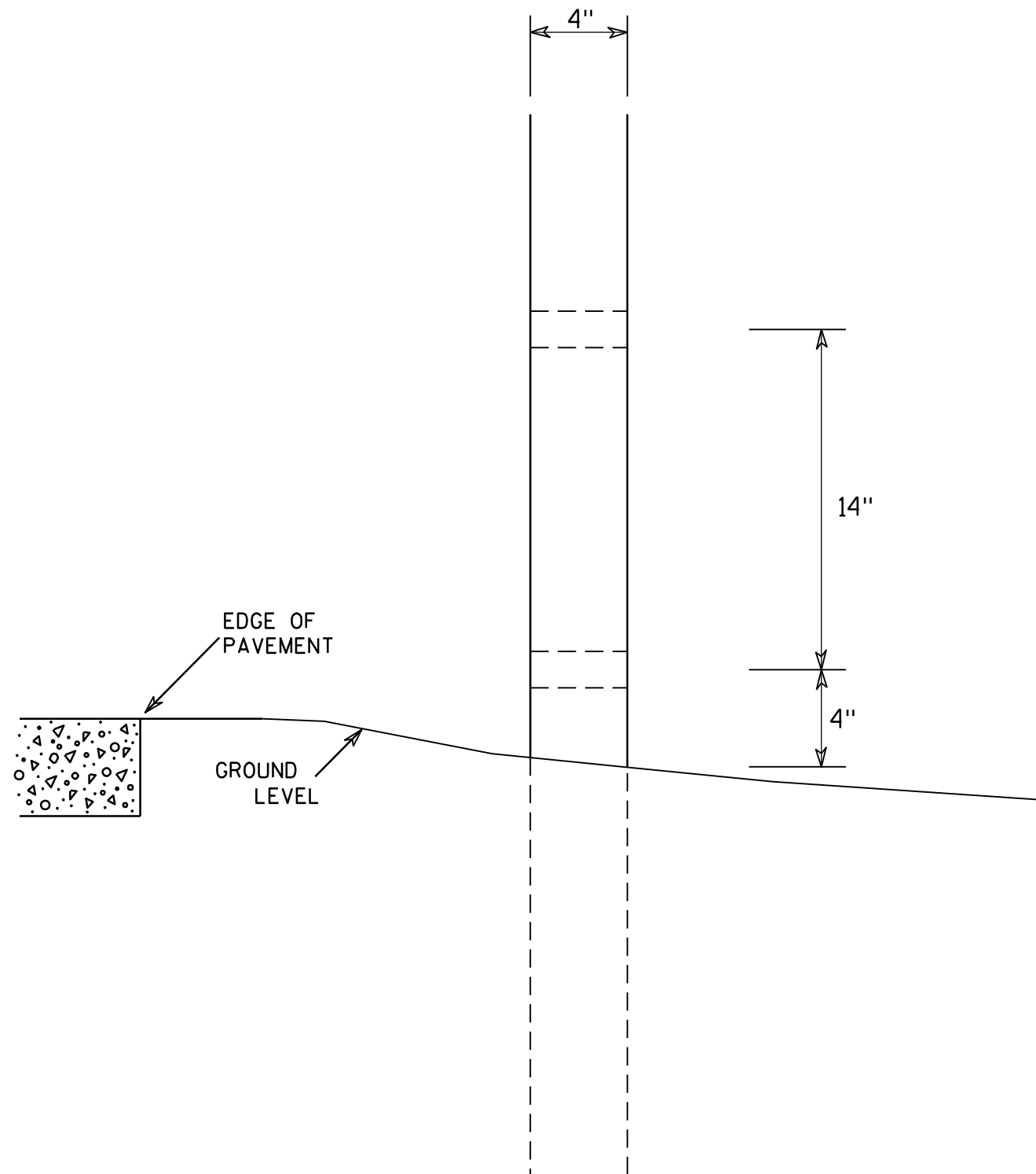
Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 2/05/15 PLAT 181 14-9.9



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.

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

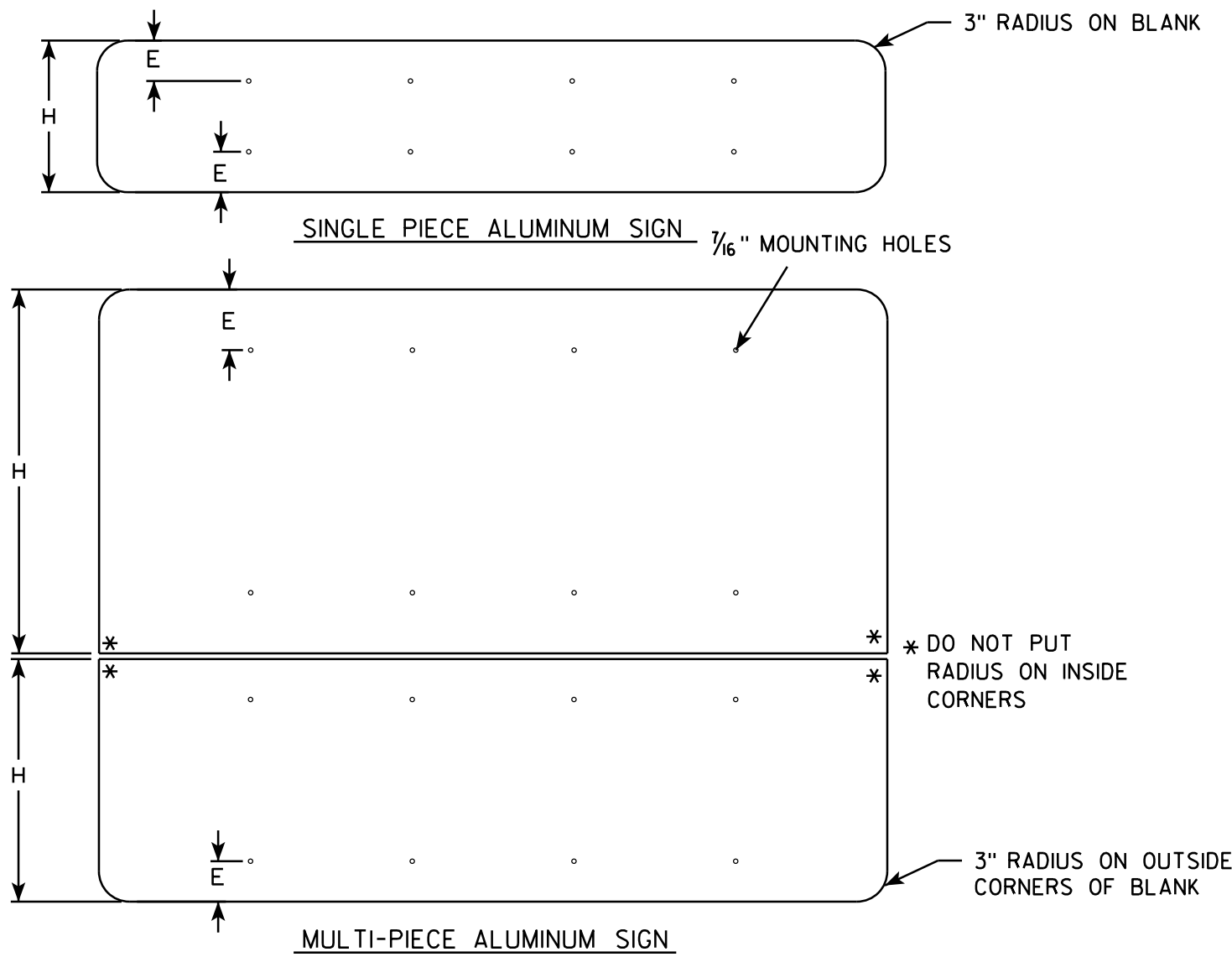
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 182

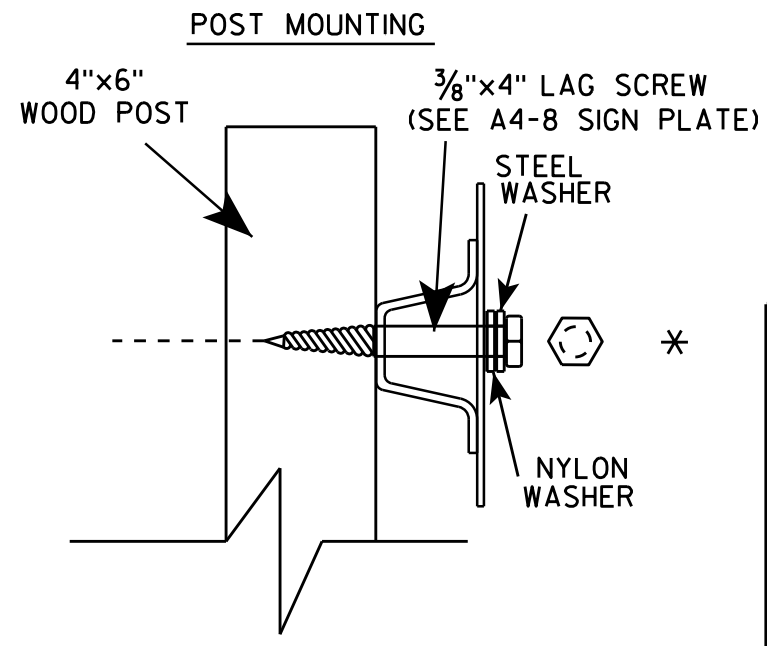
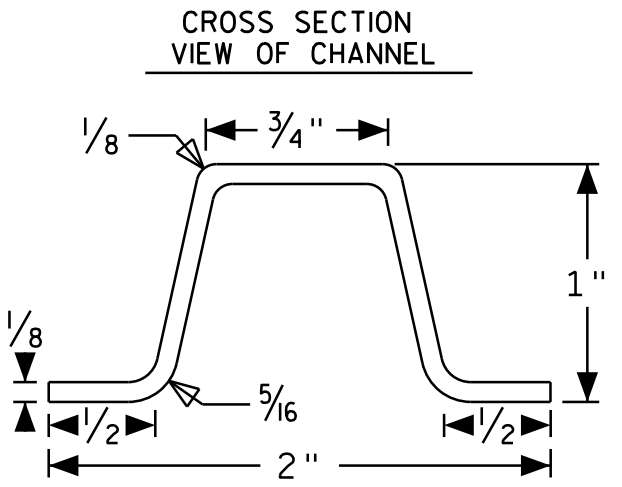
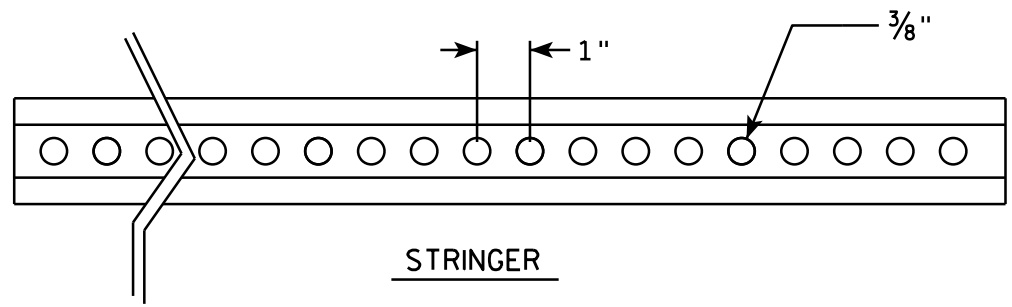
E



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"	16 1/2"	33 1/2"	50 1/2"	67 1/2"
90"	72"	2	18"	18"	36"	54"	72"
96"	90"	2	19"	19 1/2"	38 1/2"	57 1/2"	76 1/2"
102"	90"	2	20"	21"	41"	61"	81"
108"	90"	2	21"	22 1/2"	43 1/2"	64 1/2"	85 1/2"
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"



SIGN STRINGER MOUNTING REQUIREMENTS

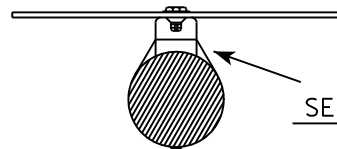
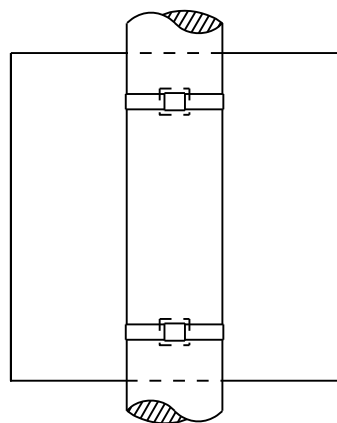
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 4/26/16 PLATE No A4-18.1
183

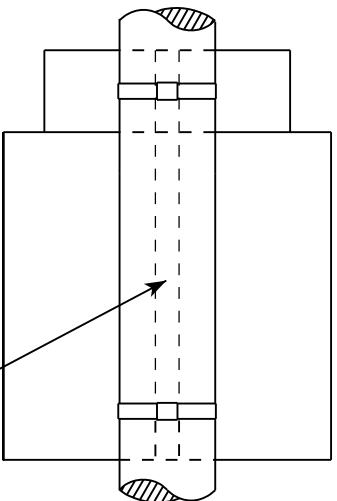
BANDING

SINGLE SIGN

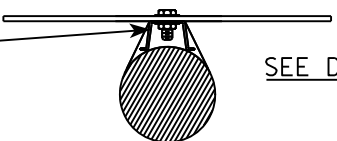


SEE DETAIL A

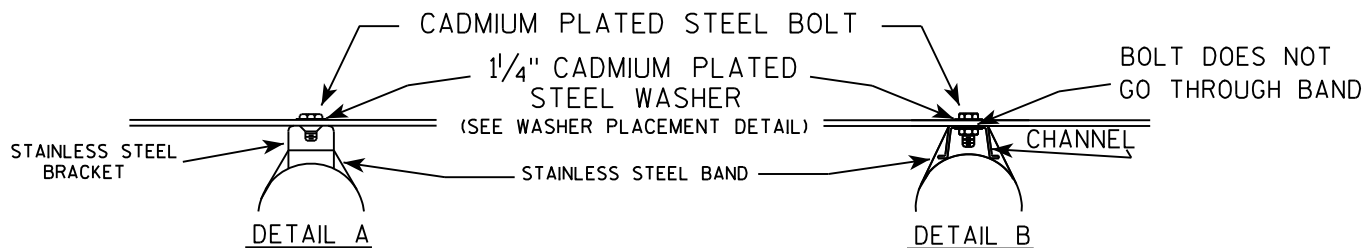
"J" ASSEMBLY



CHANNEL
SEE TYPICAL PANEL
INSTALLATION SHEET



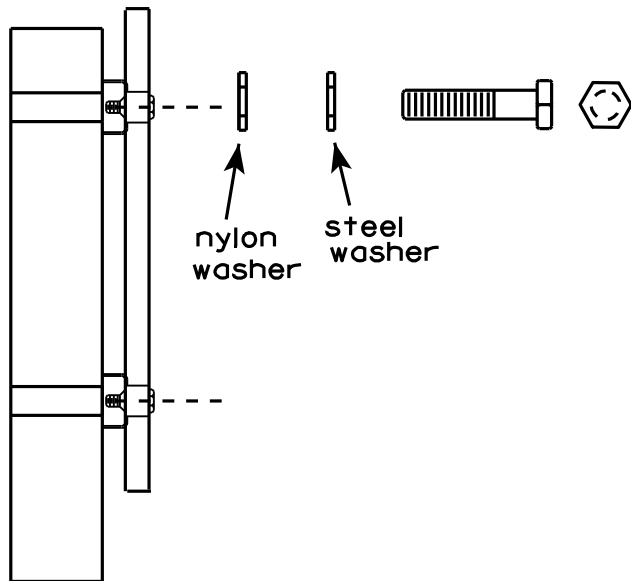
SEE DETAIL B



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 $\frac{3}{4}$ " in width and 0.025" thickness.

WASHER PLACEMENT



nylon washer

steel washer

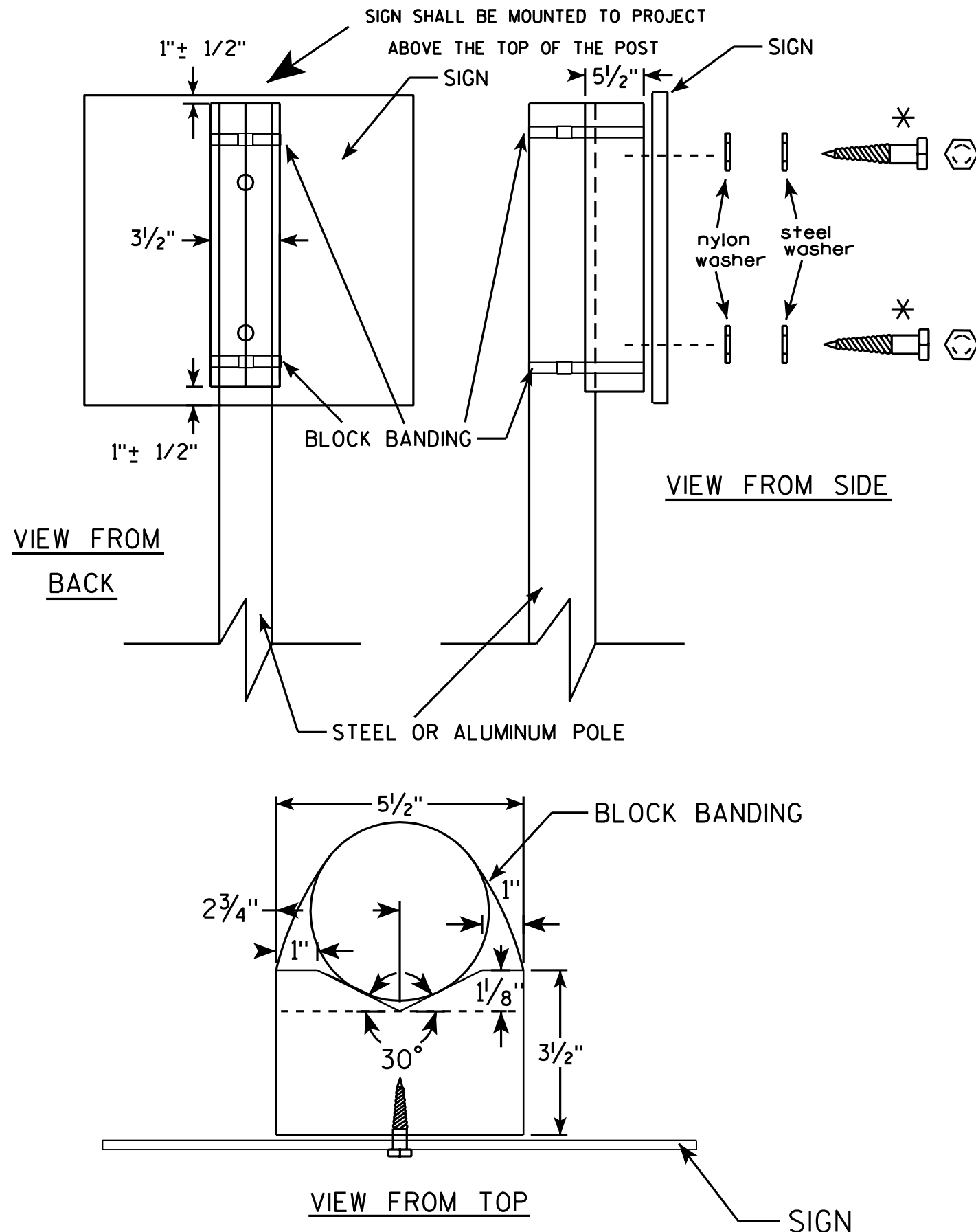
WASHERS (ALL POSTS) -
1-1/4" O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ " STEEL
1-1/4" O.D. X $\frac{3}{8}$ " I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 8/16/13 PLATE NO. A5-9.3



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, $\frac{3}{4}$ " 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 NORMALLY 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, or
 - b. Cadmium plated in accordance with ASTM Designation : B 766 TYPE 3, Class 12, or
 - c. 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 $\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X $\frac{1}{16}$ "
8. NYLON WASHERS SHALL BE $\frac{1}{4}$ " O.D. X $\frac{3}{8}$ " I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✱ LAG BOLTS SHALL BE $\frac{3}{8}$ " X $2\frac{1}{2}$ "

BLOCK BANDING DETAIL (V-BLOCK OPTION)

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

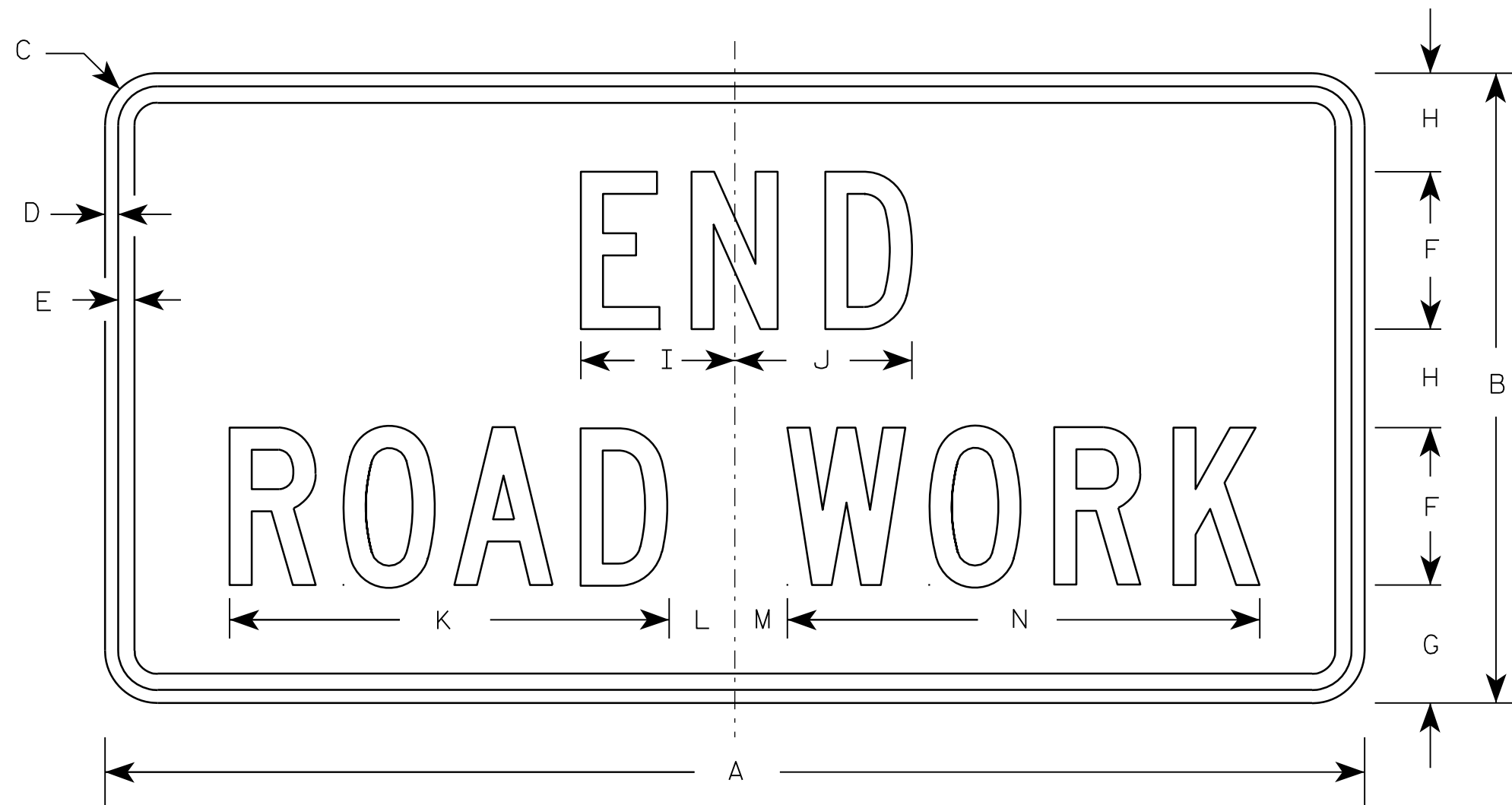
DATE 7/12/07 PLATE NO. A5-10.1

PROJECT NO:

SHEET NO: 185

E

7



G20-2A

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 m ²
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

NOTES

- Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - Orange
Message - Black
- Message Series - C
- 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.

7

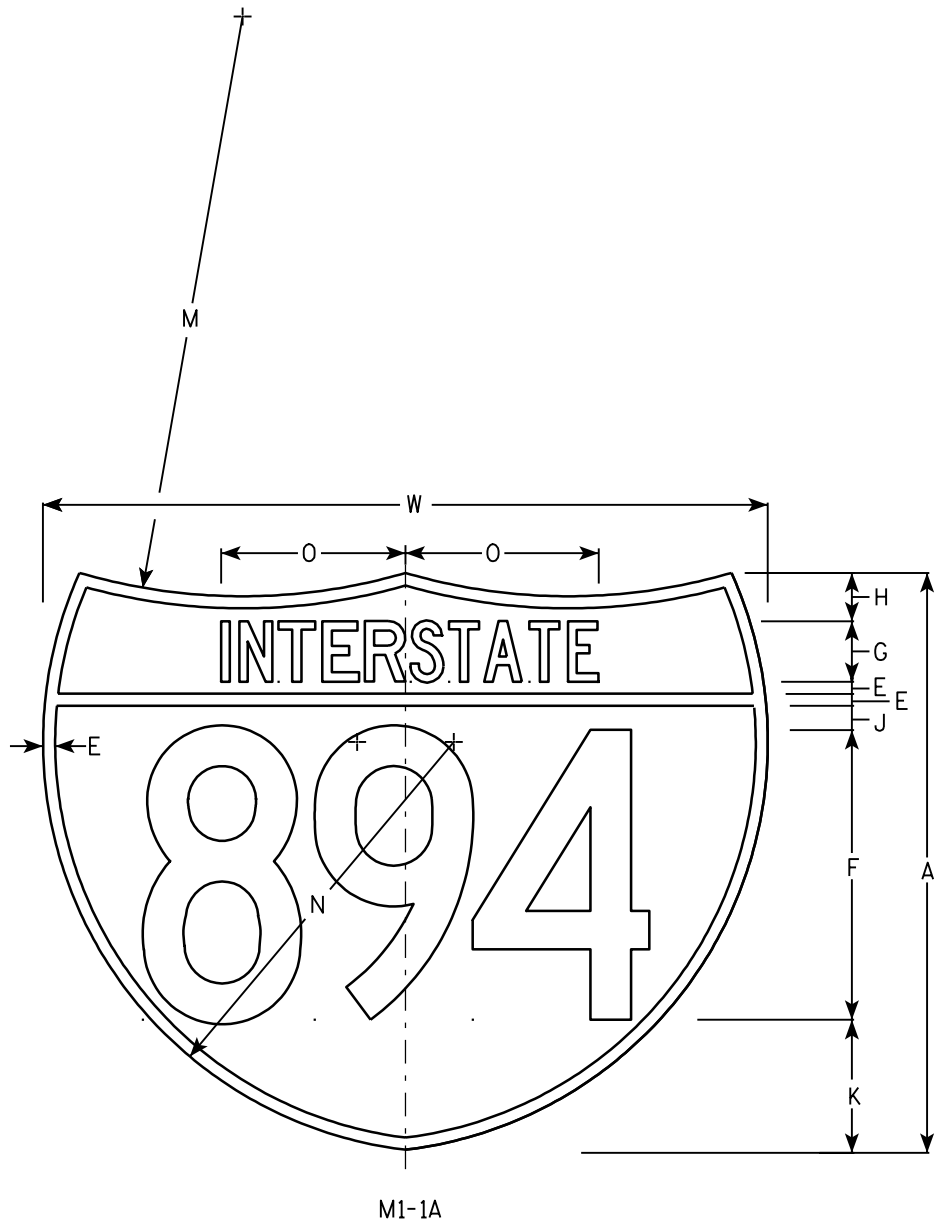
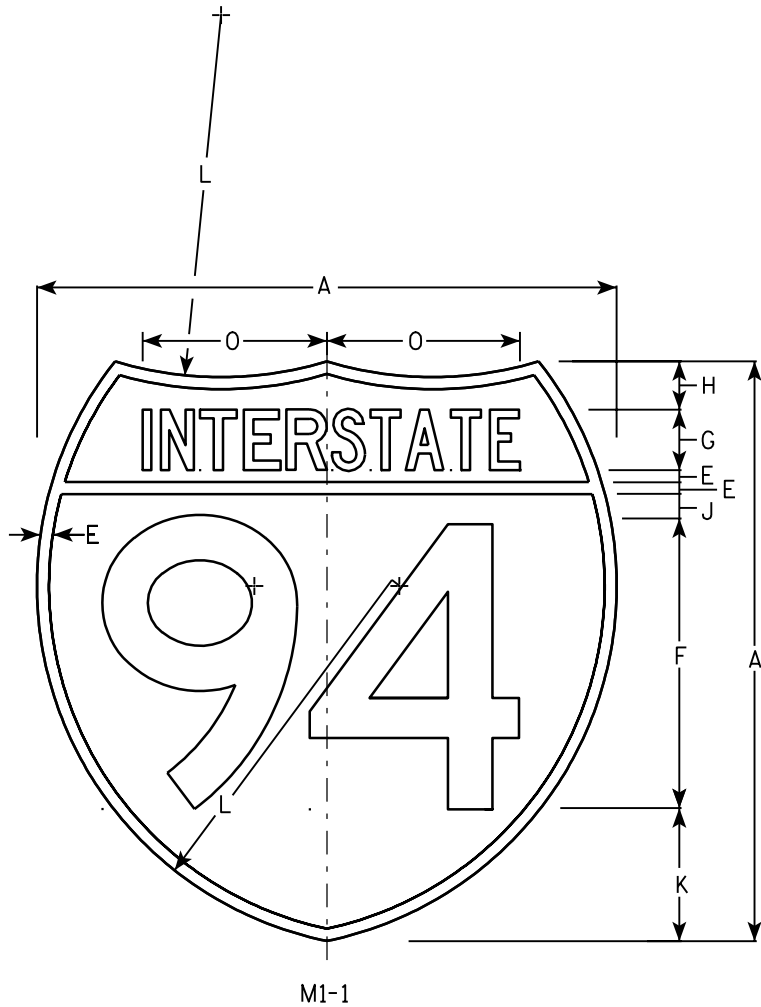
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 186

E



NOTES

- 1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- 2. Color:
Background - Top Red - Bottom Blue (See Note 6)
Message - White - See Note 6
- 3. Message Series - See note 5
- 4. Substitute appropriate numerals & adjust spacing as per plate A10-1.
- 5. M1-1 - Numerals - D
Interstate - C
M1-1A - All copy - C
- 6. Permanent Signs
Message - Type H Reflective
Detour or other temporary signs
Background - Reflective
Message - Reflective

Metric equivalent for these signs are:

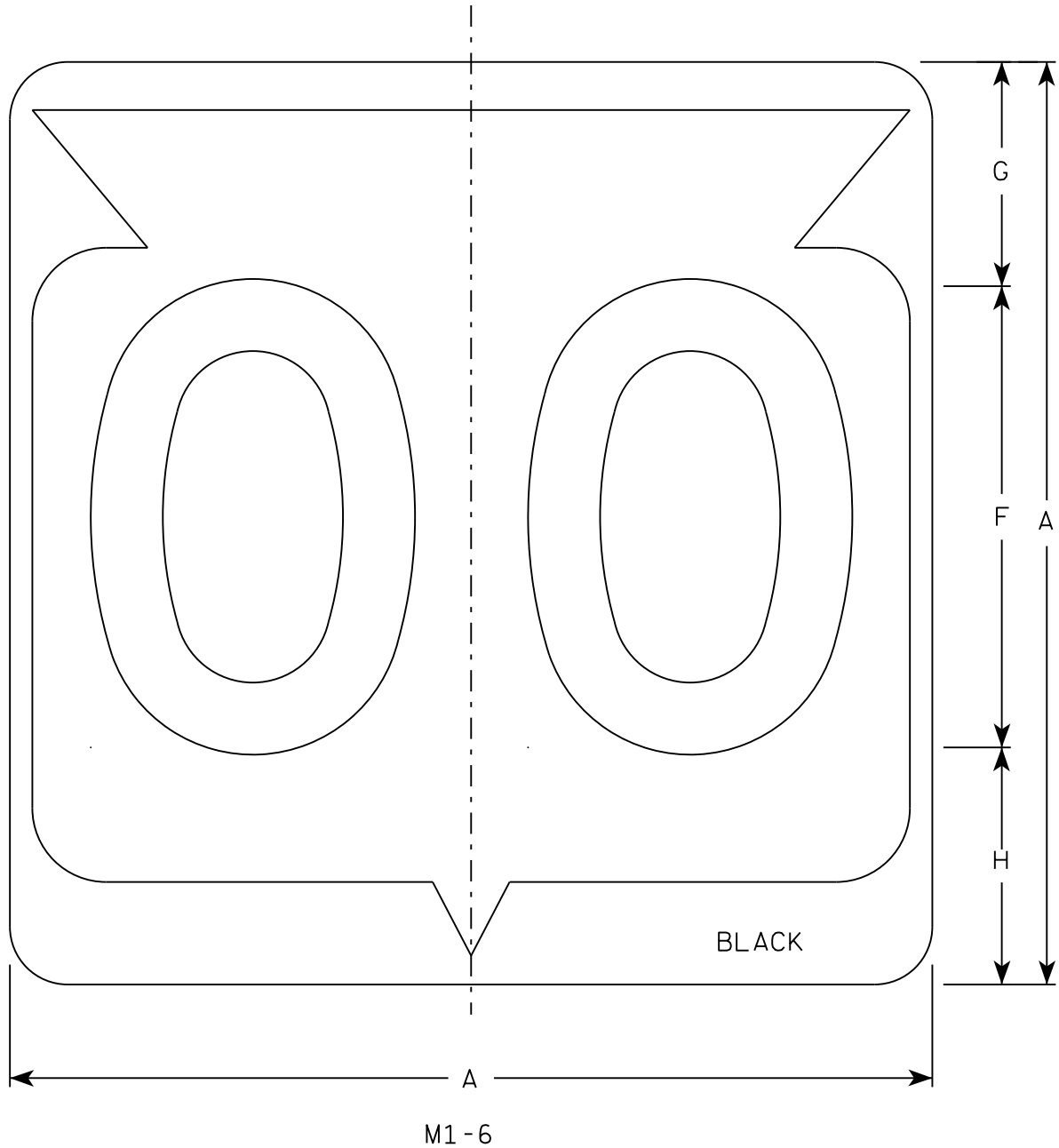
SIZE	M1 - 1	SIZE	M1 - 1A
1			
2	600 mm X 600 mm	2	600 mm X 750 mm
3	900 mm X 900 mm	3	900 mm X 1125 mm
4	900 mm X 900 mm	4	900 mm X 1125 mm
5	900 mm X 900 mm	5	900 mm X 1125 mm

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	Area sq. ft.	Area sq. ft.	Area m ²	Area m ²
1																													
2	24				1/2	12	2 1/2	2		1	5 1/2	15	24	17	7 7/8								30			3.13	3.91	.36	.46
3	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
4	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05
5	36				3/4	18	3 3/4	3		1 1/2	8 1/4	22 1/2	36	25 1/2	11 3/4								45			7.03	8.79	.81	1.05

INTERSTATE ROUTE MARKER
M1-1 FOR ASSEMBLIES

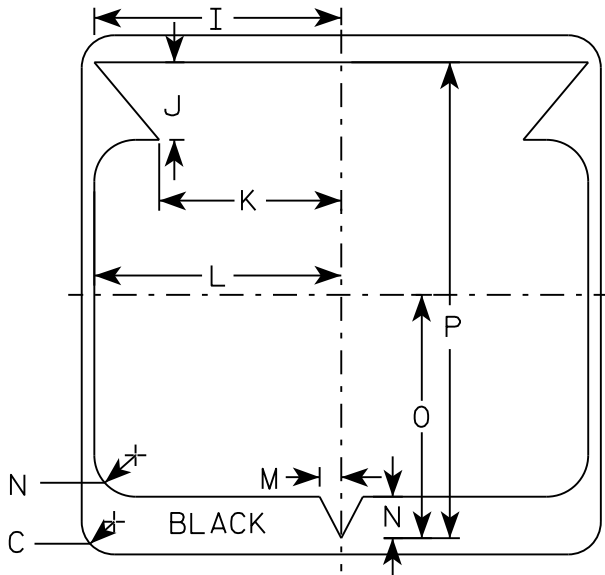
WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 08/23/05 PLATE NO. M1-1.8

7



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.



7

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

PROJECT NO:

HWY:

COUNTY:

SHEET NO: 188

E

STATE ROUTE MARKER
M1-6 FOR ASSEMBLIES

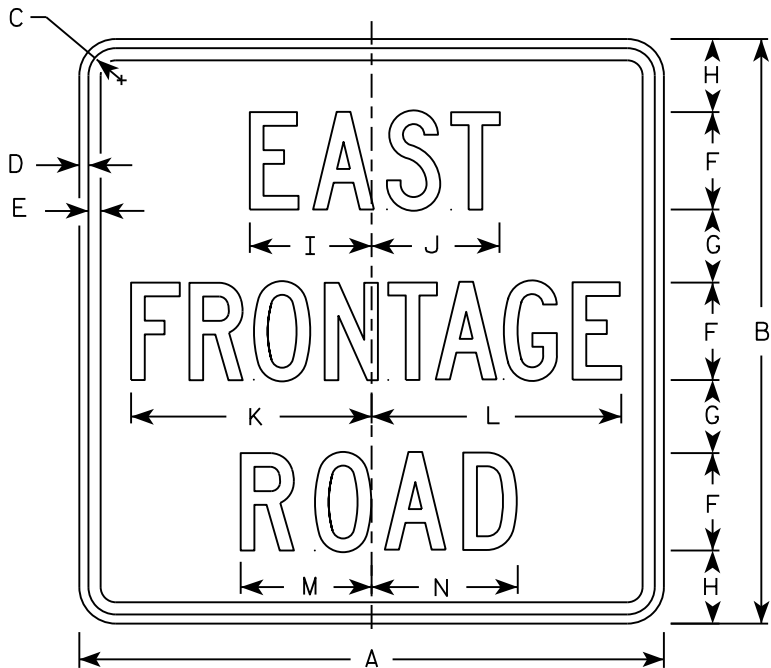
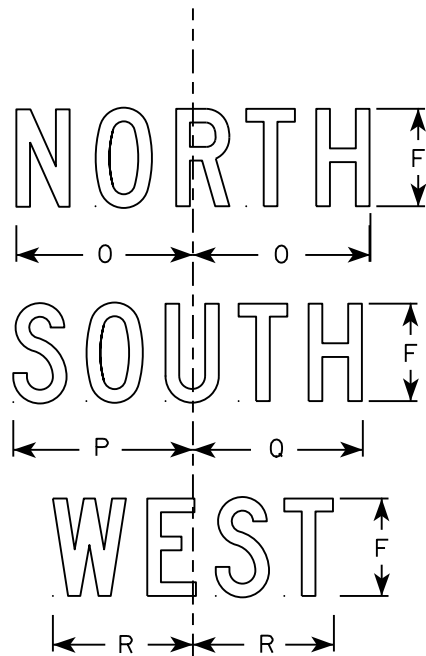
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 3/16/18 PLATE NO. M1-6.10

NOTES

- 1. Sign is Type II - Type H Reflective
- 2. Color:
Background - White
Message - Black
- 3. Message Series - C
- 4. Substitute appropriate message as required.



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	24	1 1/8	3/8	1/2	4	3	3	5	5 1/4	9 7/8	10 1/4	5 3/8	6	7 1/4	7 3/8	7	5 3/4									4.0
3																											
4	36	36	1 3/8	5/8	5/8	6	4 1/2	4 1/2	7 1/2	7 7/8	14 3/4	15 3/8	8	9	10 7/8	11	10 1/2	8 5/8									9.0
5																											

PROJECT NO:

HWY:

COUNTY:

SHEET NO: 189

E

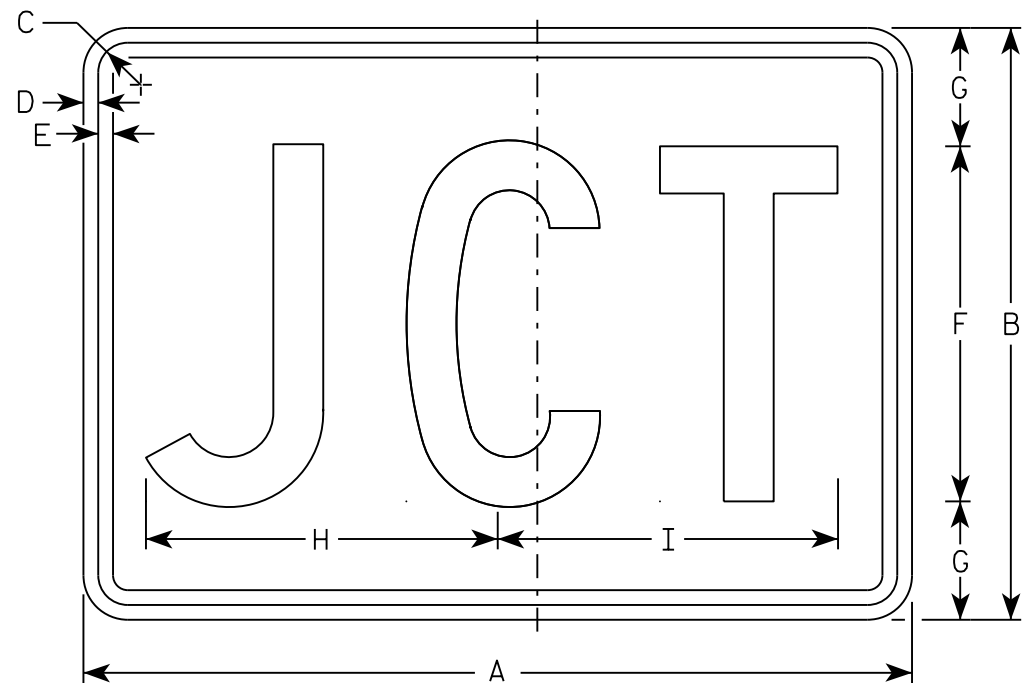
STANDARD SIGN
M1-95A

WISCONSIN DEPT OF TRANSPORTATION

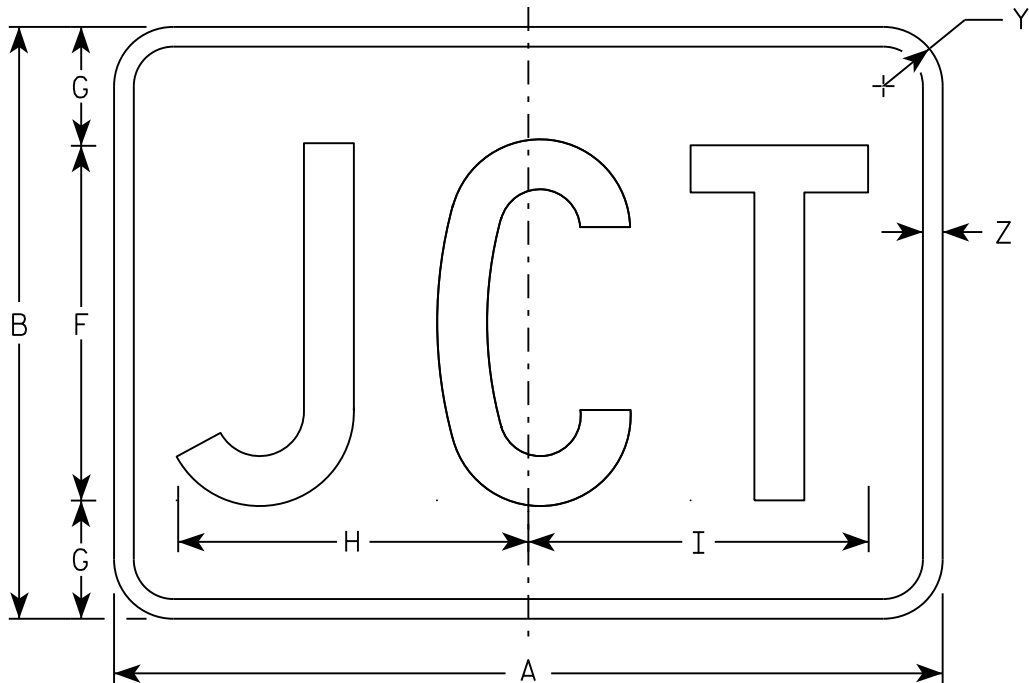
APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 3/15/18

PLATE NO. M1-95A.4



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

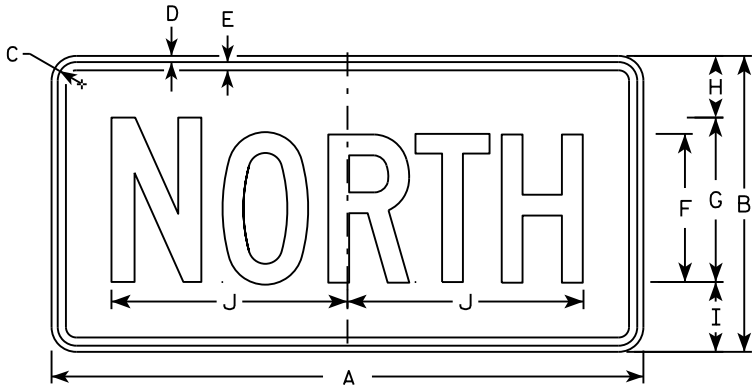
Matthew R. Rauch

For State Traffic Engineer

DATE 10/15/15

PLATE 190

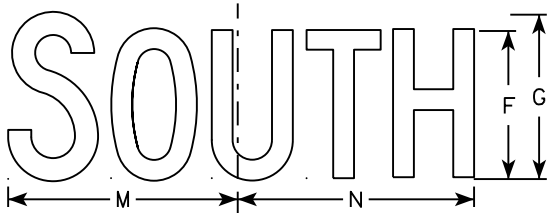
'2-1.12



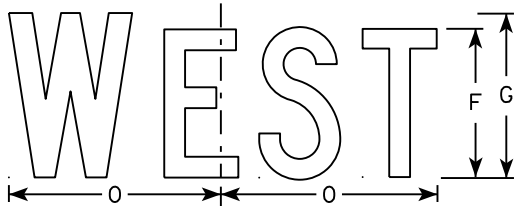
M3-1
MM3-1
MP3-1



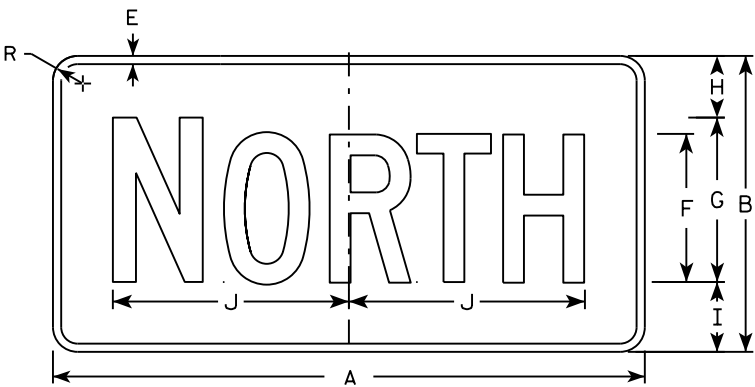
M3-2
MM3-2
MP3-2



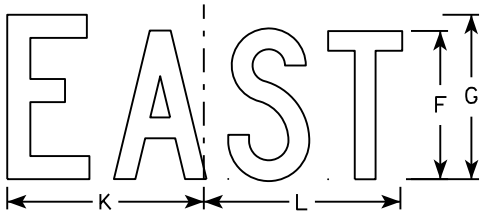
M3-3
MM3-3
MP3-3



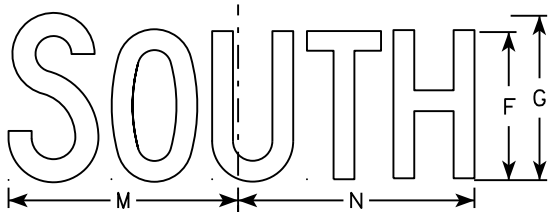
M3-4
MM3-4
MP3-4



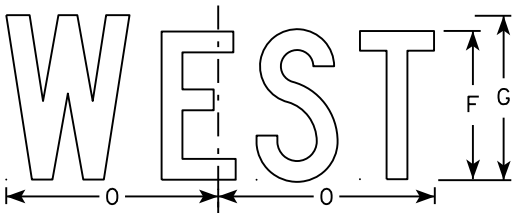
MB3-1
MK3-1
MN3-1



MB3-2
MK3-2
MN3-2



MB3-3
MK3-3
MN3-3



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 thru M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 10/15/15 PLATE NO. 191 M3-1.14

NOTES

1. Sign is Type II - Type H except as Shown
2. Color:

Background - See Note 5

Message - See note 5
3. Message Series - B
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. M4-1

Background - White

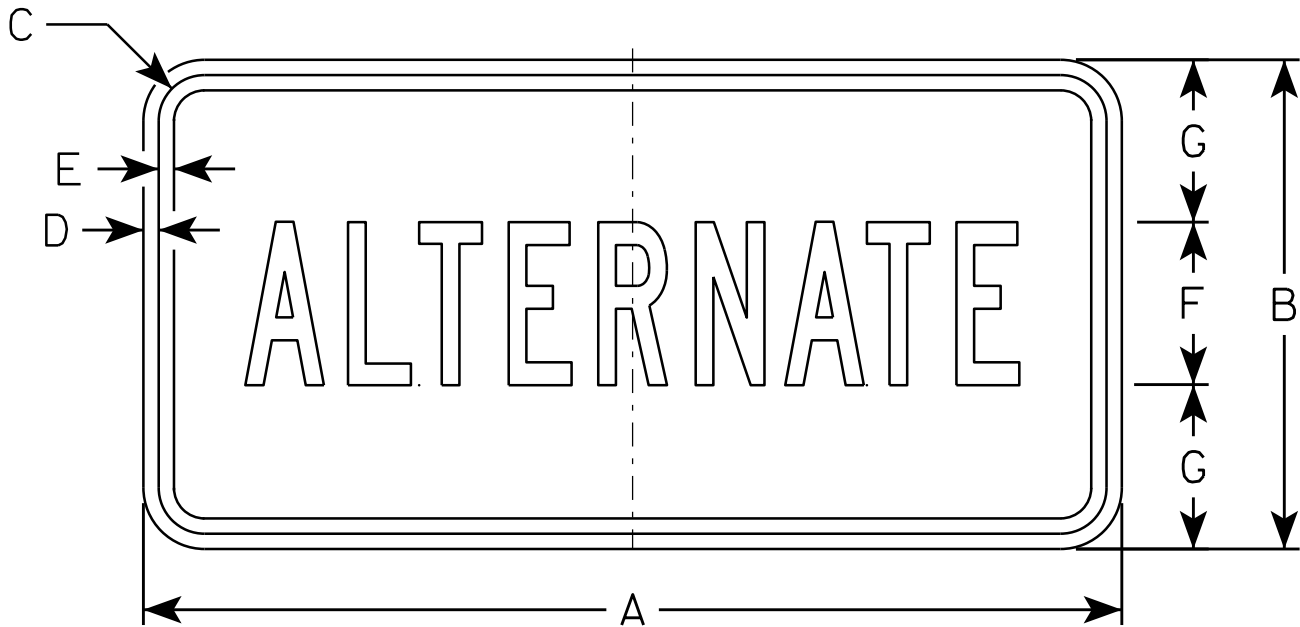
Message - Black
- MB4-1

Background - Blue

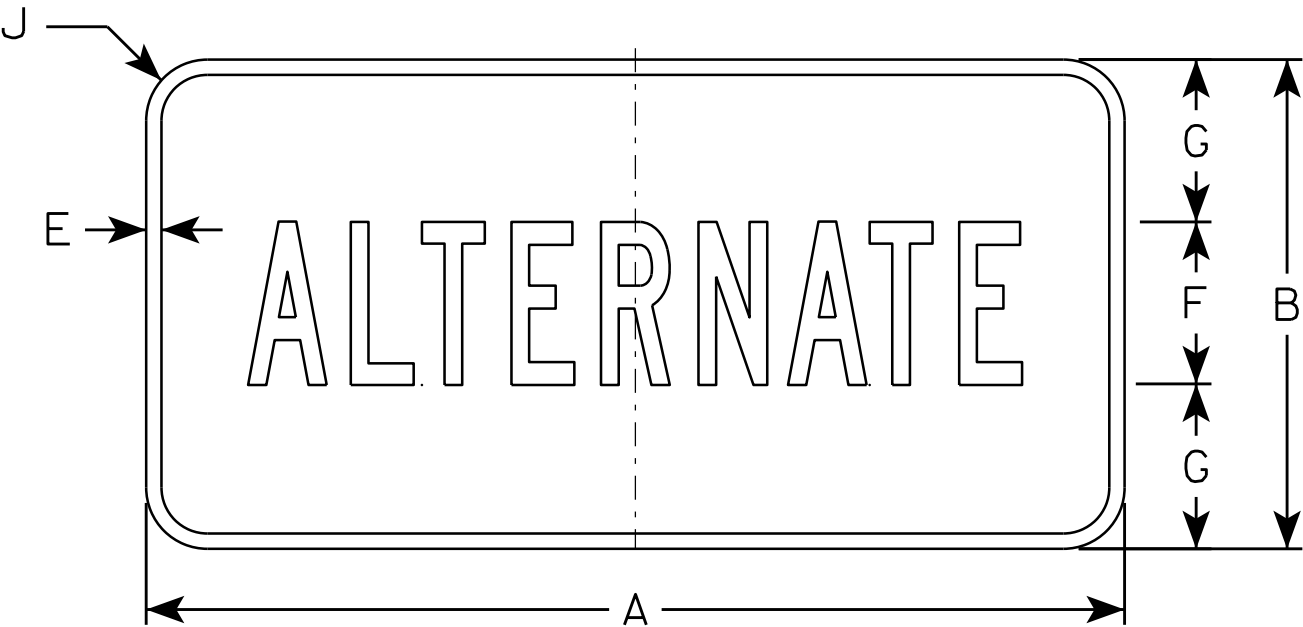
Message - White
- M04-1

Background - Orange - Type F

Message - Black



M4 - 1
M04 - 1



MB4 - 1

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																											
2	24	12	1 1/8	3/8	3/8	4	4	9 3/4	9 1/2	1 1/2																	2.00
3	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
4	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5
5	36	18	1 1/8	3/8	1/2	7	5 1/2	16 3/8	16 1/2	1 1/2																	4.5

STANDARD SIGN

M4 - 1

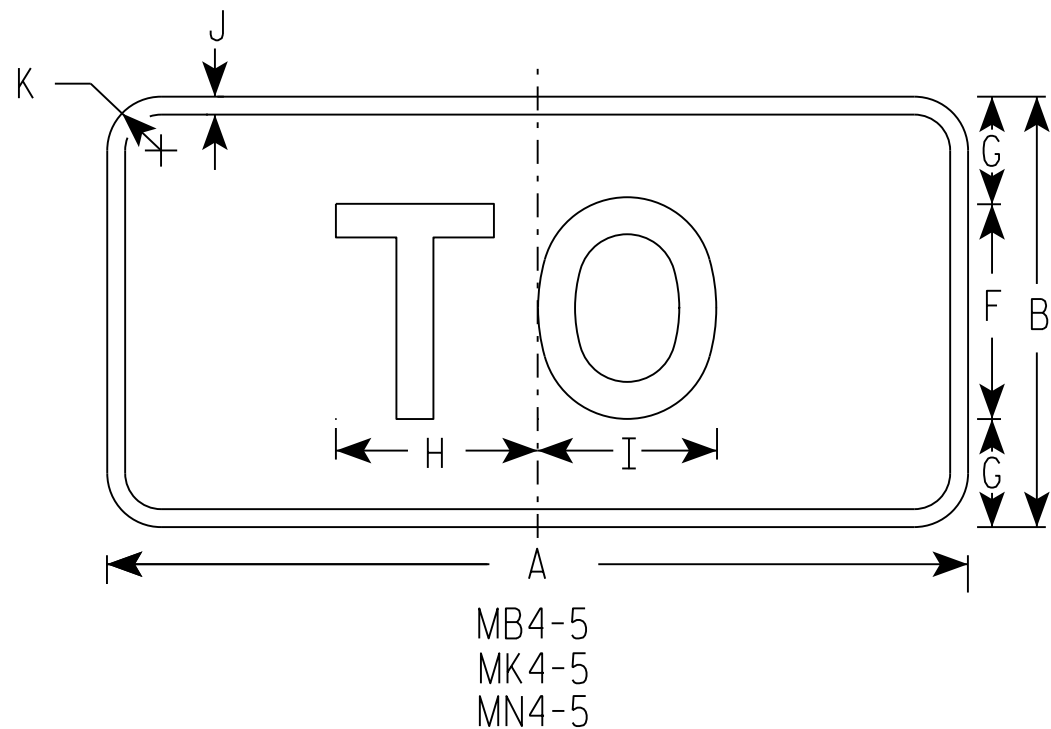
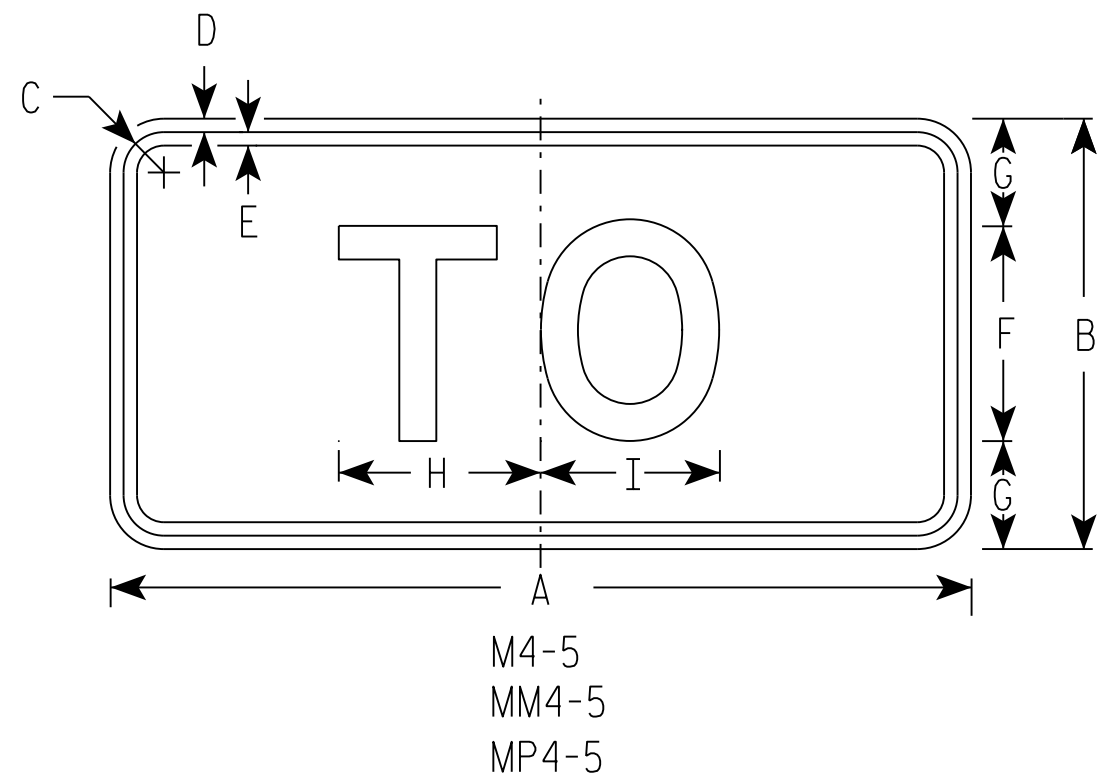
WISCONSIN DEPT OF TRANSPORTATION

APPROVED

Matthew R. Rauch

for State Traffic Engineer

DATE 6/30/14PLATE 192'14-1.8



NOTES

1. Sign is Type II - Type H
2. Color:
Background - See note 5
Message - See note 5
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. M4-5 Background - White
Message - Black
MB4-5 Background - Blue
Message - White
MK4-5 Background - Green
Message - White
MM4-5 Background - White
Message - Green
MN4-5 Background - Brown
Message - White
MP4-5 Background - White
Message - Blue

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	3	5 3/8	5 1/4	1/2	1 1/2																2.00
3	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
4	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5
5	36	18	1 3/8	3/8	1/2	9	4 1/2	8 1/4	8 3/8	1/2	1 1/2																4.5

STANDARD SIGN

M4 - 5

WISCONSIN DEPT OF TRANSPORTATION

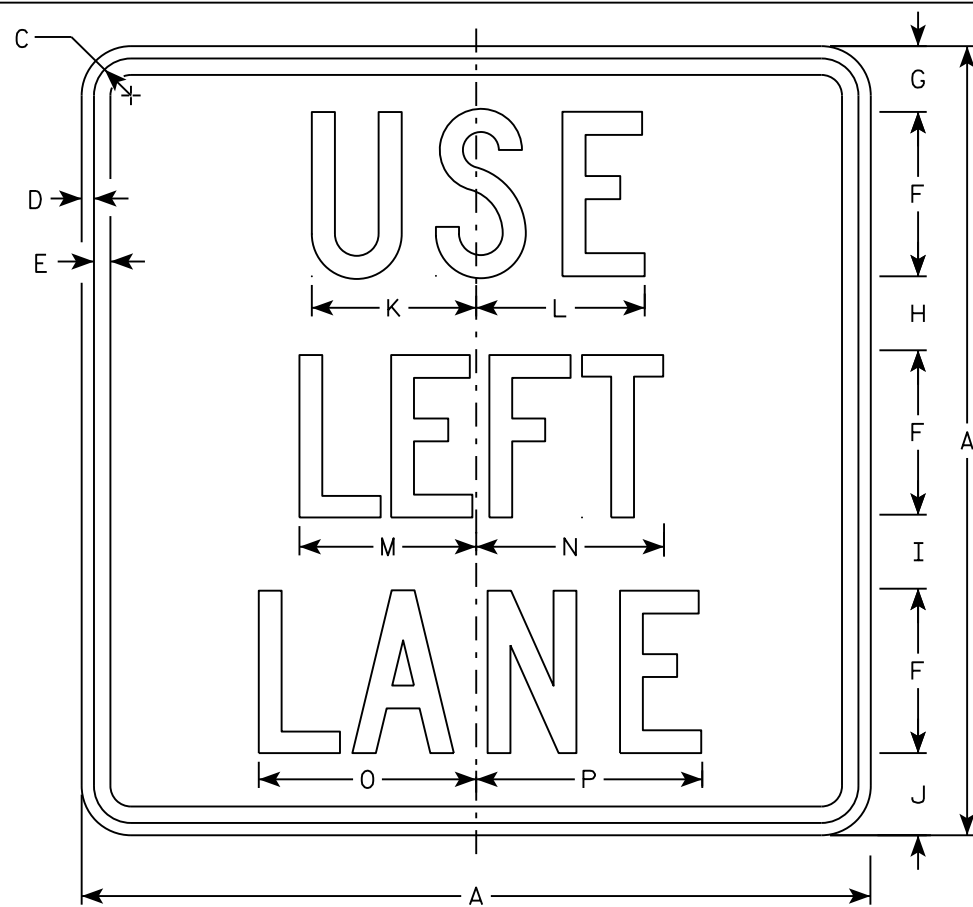
APPROVED

Matthew R. Rauch
for State Traffic Engineer

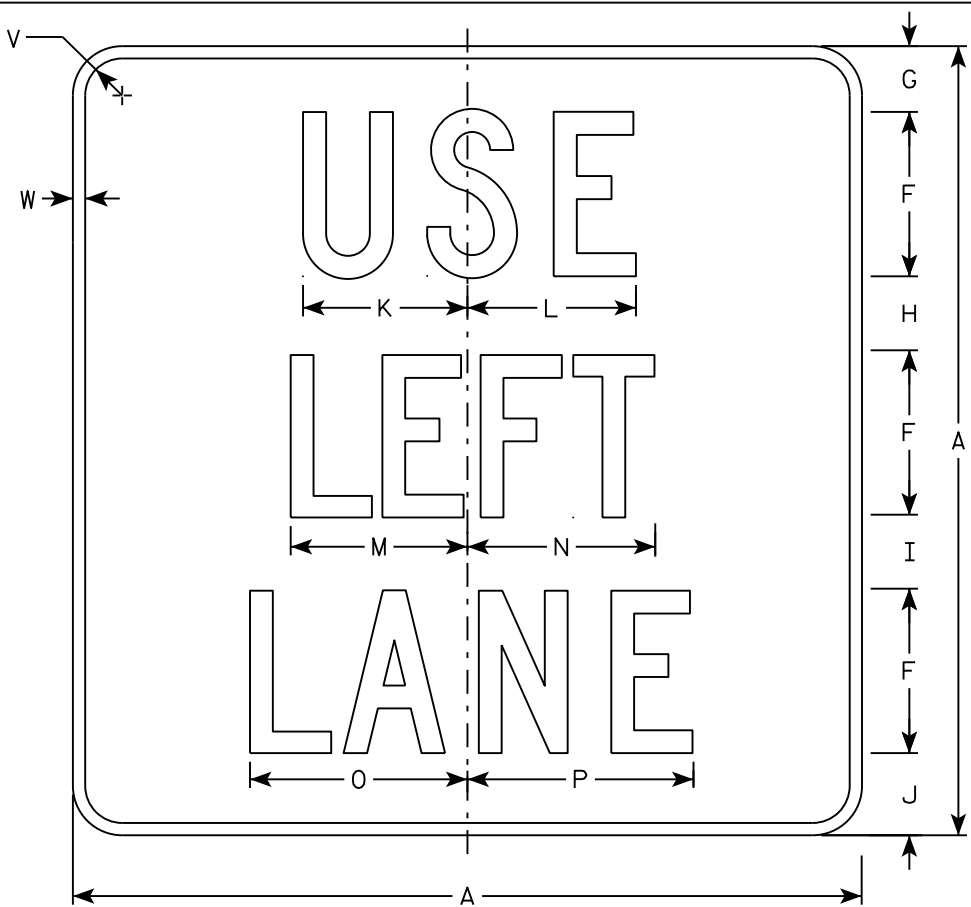
DATE 10/15/15

PLATE 193

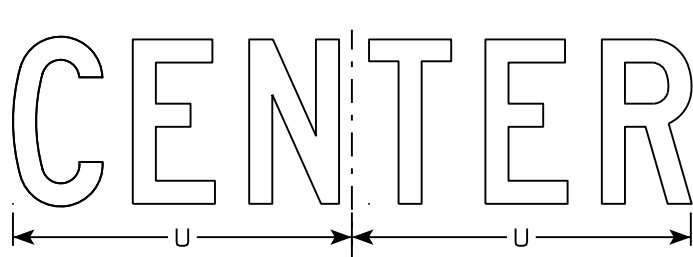
'14-5.8



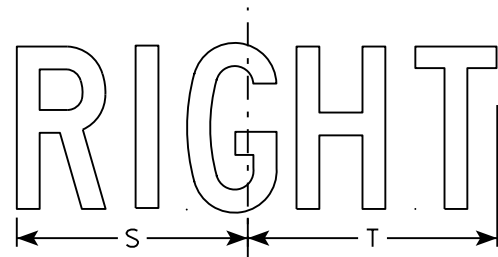
M4-20L
MM4-20L
M04-20L
MP4-20L



MB4-20L
MK4-20L
MN4-20L
MR4-20L



M4-20C
MB4-20C
MK4-20C
MM4-20C
MN4-20C
M04-20C
MP4-20C
MR4-20C



M4-20R
MB4-20R
MK4-20R
MM4-20R
MN4-20R
M04-20R
MP4-20R
MR4-20R

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 1/8	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	5 3/8	5 3/4	6 5/8	6 7/8			7	7 5/8	10 1/4	1 1/2	1/2				4.0
3	36		1 5/8	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	8	8 5/8	9 7/8	10 1/4			10 3/8	11 3/8	14 3/8	1 7/8	1/2				9.0
4																											
5																											

NOTES

- Sign is Type II - Type H except as Shown
- Color:
Background - See note 5
Message - See note 5
- Message Series - C
- 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.
- M4-20 Background - White
Message - Black
MB4-20 Background - Blue
Message - White
MK4-20 Background - Green
Message - White
MM4-20 Background - White
Message - Green
MN4-20 Background - Brown
Message - White
M04-20 Background - Orange - Type F Reflective
Message - Black
MP4-20 Background - White
Message - Blue
MR4-20 Background - Brown
Message - Yellow

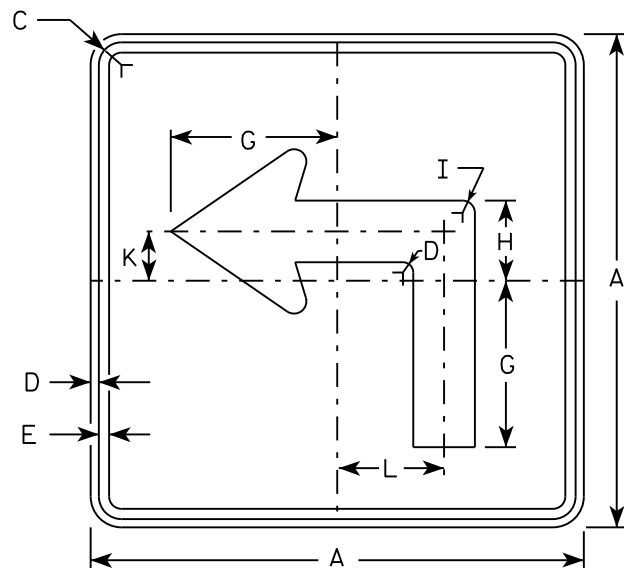
STANDARD SIGN
M4-20

WISCONSIN DEPT OF TRANSPORTATION

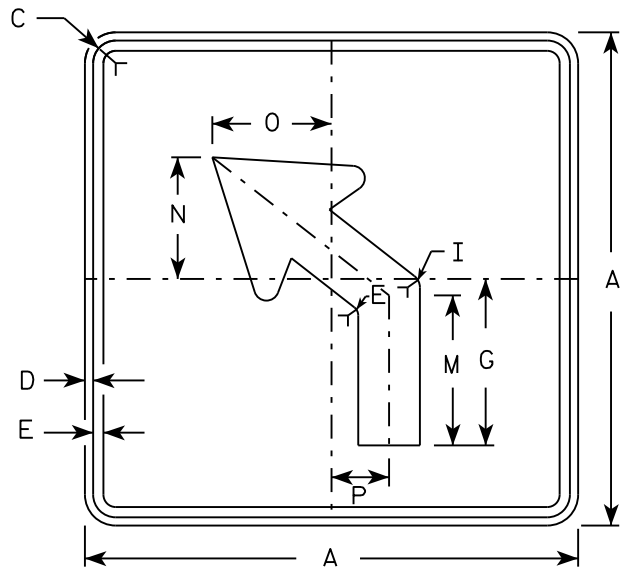
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/15/15 PLATE NO. 194 M4-20.5

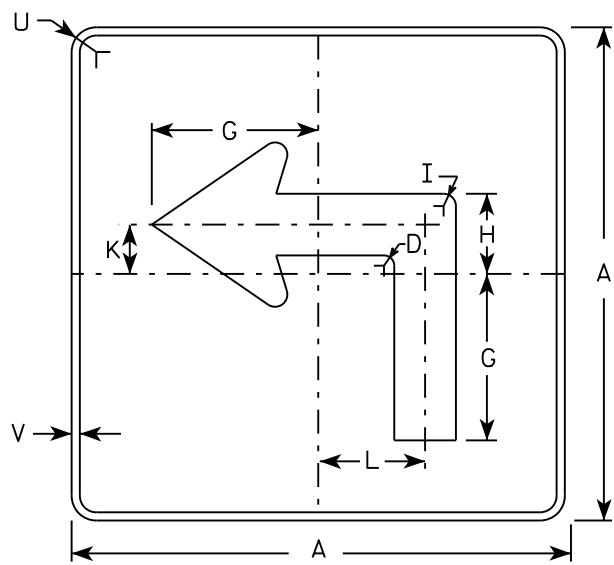
PROJECT NO: HWY: COUNTY: SHEET NO: E



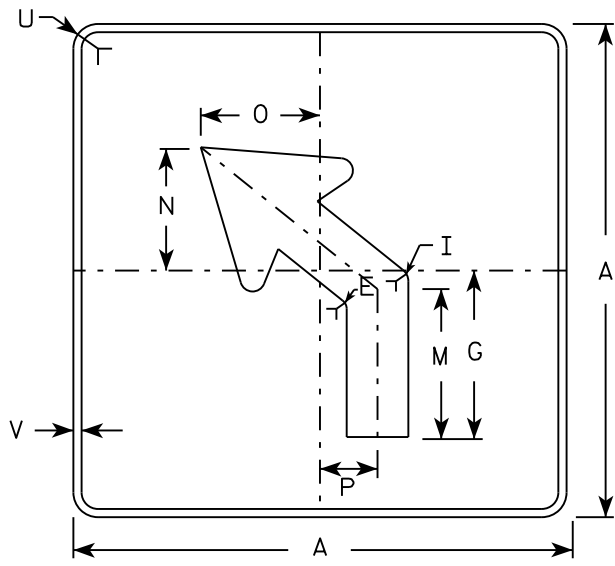
M5-1L
MM5-1L
M05-1L
MP5-1L



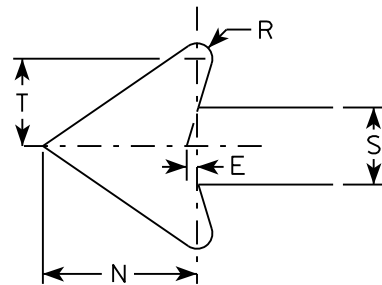
M5-2L
MM5-2L
M05-2L
MP5-2L



MB5-1L
MK5-1L
MN5-1L
MR5-1L



MB5-2L
MK5-2L
MN5-2L
MR5-2L



NOTES

- Signs are Type II - Type H reflective except as shown
- Color:
Background - See note 4
Message - See note 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.
- | | |
|-----------------|---|
| M5-1 and M5-2 | Background - White |
| | Message - Black |
| MB5-1 and MB5-2 | Background - Blue |
| | Message - White |
| MK5-1 and MK5-2 | Background - Green |
| | Message - White |
| MM5-1 and MM5-2 | Background - White |
| | Message - Green |
| MN5-1 and MN5-2 | Background - Brown |
| | Message - White |
| M05-1 and M05-2 | Background - Orange - Type F Reflective |
| | Message - Black |
| MP5-1 and MP5-2 | Background - White - Type H Reflective |
| | Message - Blue |
| MR5-1 and MR5-2 | Background - Brown |
| | Message - Yellow |
- M5-1R same as M5-1L except arrow points right.
- M5-2R same as M5-2L except arrow tilts 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																											
2	21		1 1/8	3/8	3/8		7	3 3/8	5/8		2 1/8	4 1/2	6 3/8	5 1/4	5	2 1/2		1/2	2 5/8	3	1 1/2	1/2					3.06
3	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
4	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25
5	30		1 3/8	1/2	5/8		10 1/8	4 7/8	7/8		3	6 1/2	9 1/8	7 1/2	7 1/4	3 1/2		3/4	3 3/4	4 1/4	1 7/8	1/2					6.25

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

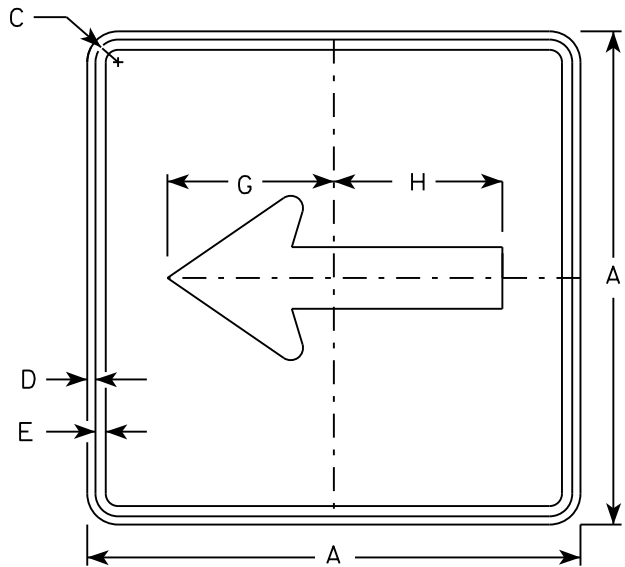
E

STANDARD SIGN
M5-1 & M5-2

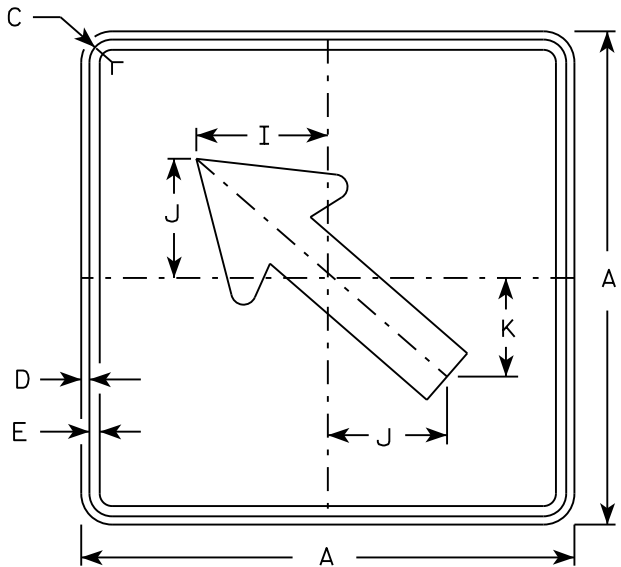
WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

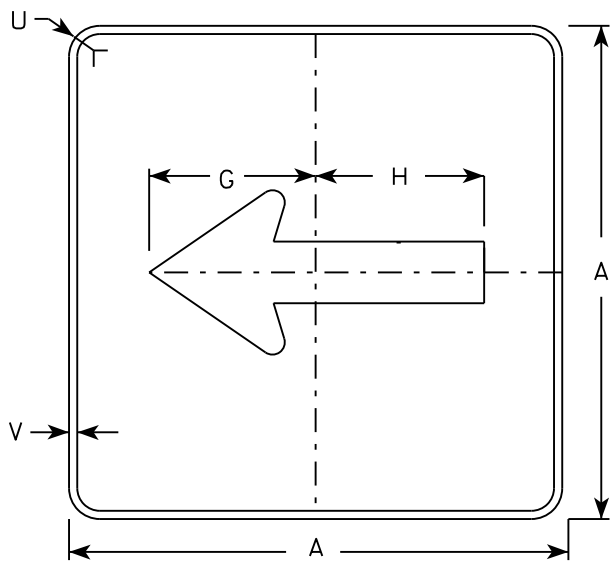
DATE 10/15/15 PLATF 195 M5-1.13



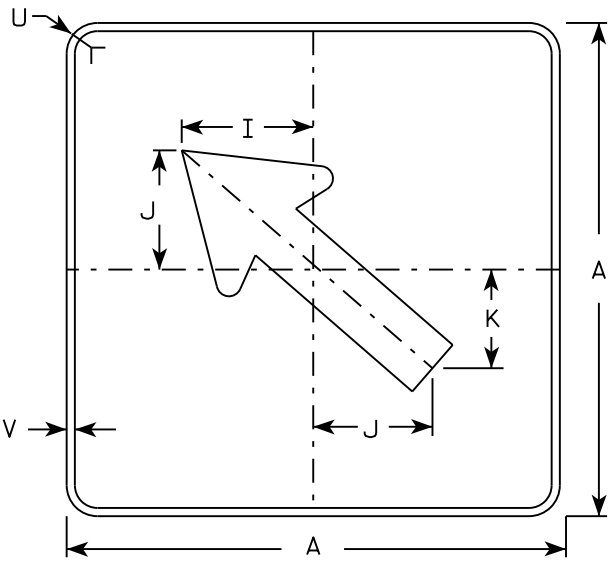
M6 - 1
MM6 - 1
M06 - 1
MP6 - 1



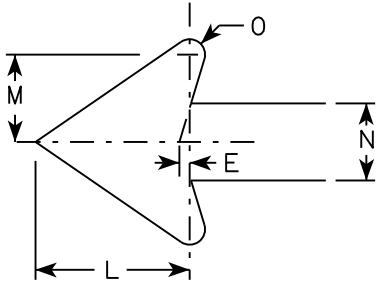
M6 - 2
MM6 - 2
M06 - 2
MP6 - 2



MB6 - 1
MK6 - 1
MN6 - 1
MR6 - 1



MB6 - 2
MK6 - 2
MN6 - 2
MR6 - 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
M06-1 and M06-2 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

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

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

E

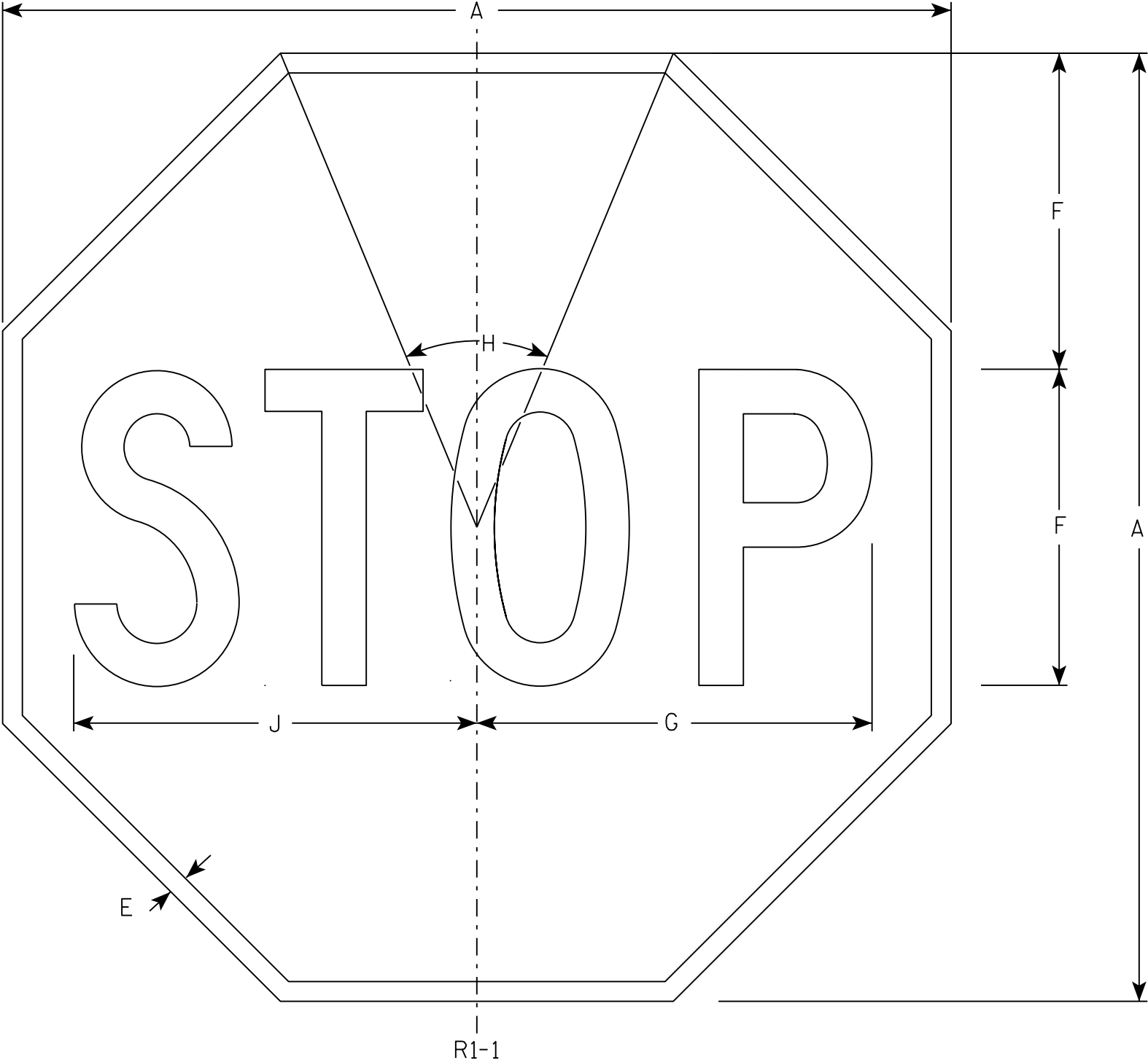
STANDARD SIGN
M6 - 1 & M6 - 2
SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 10/15/15 PLAT 196 M6-1.15

7



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

7

R1-1

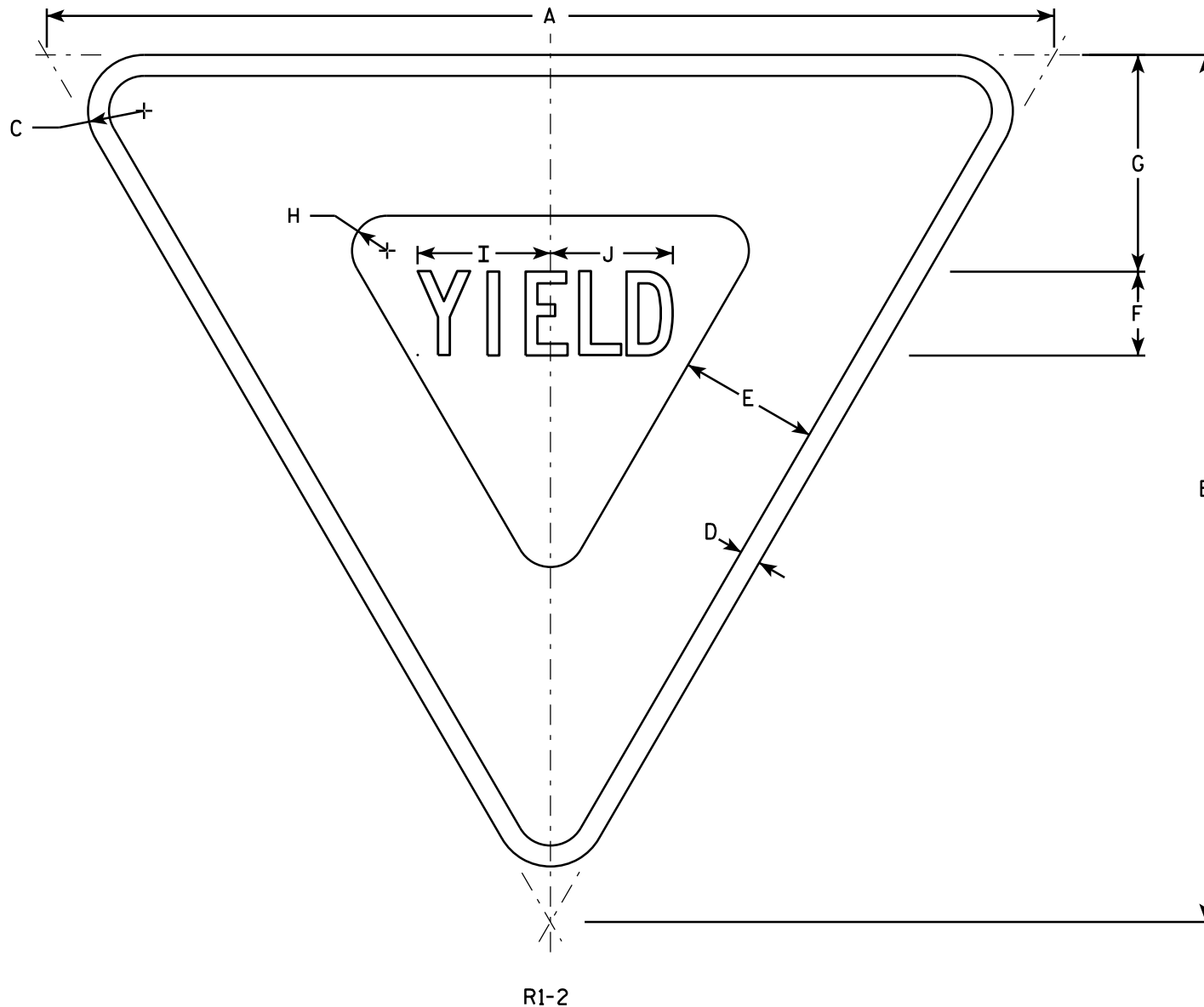
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

STANDARD SIGN
R1 - 1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

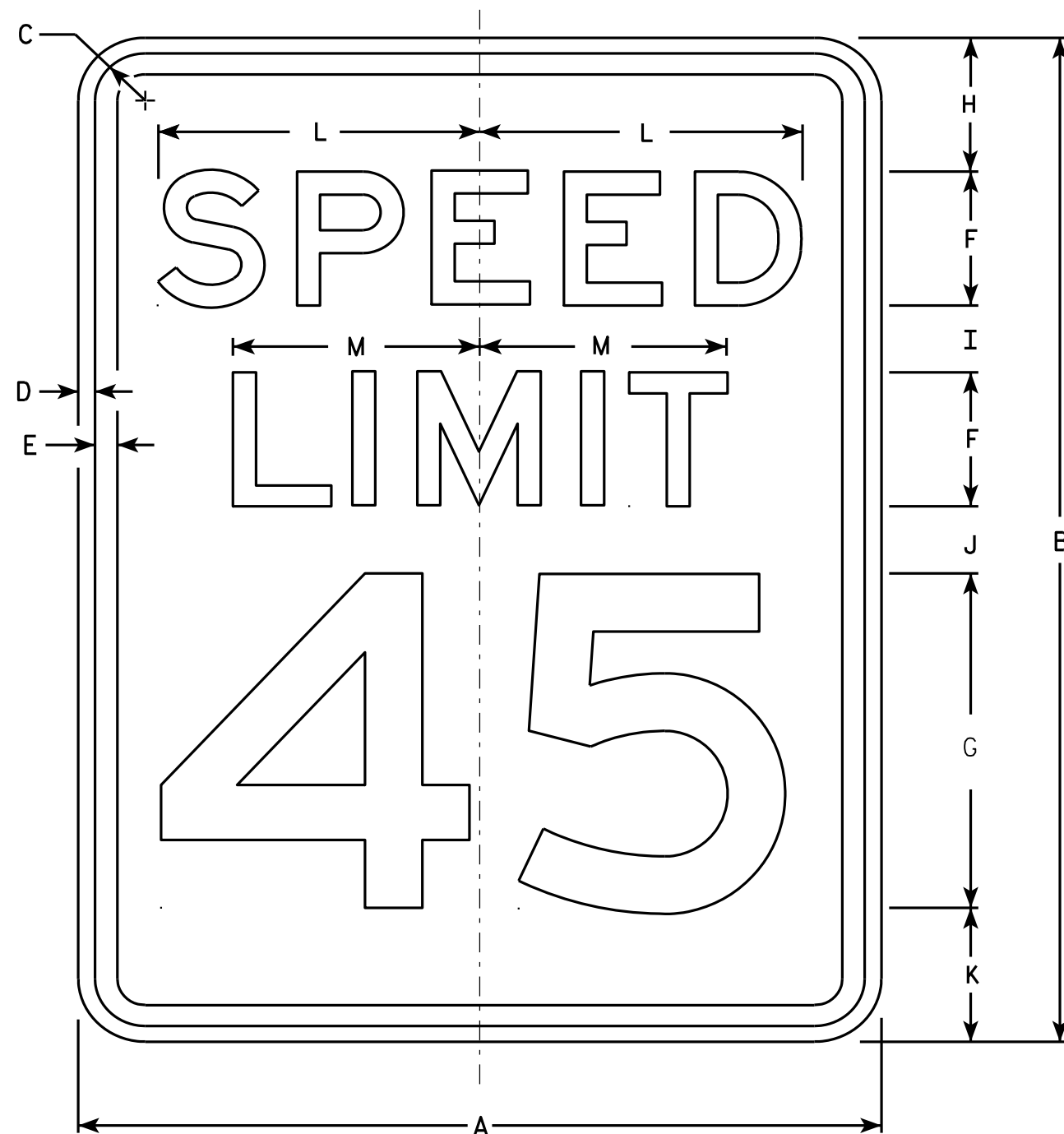


NOTES

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	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 10/13/14	PLATE 198 P1-2.12



R2-1

NOTES

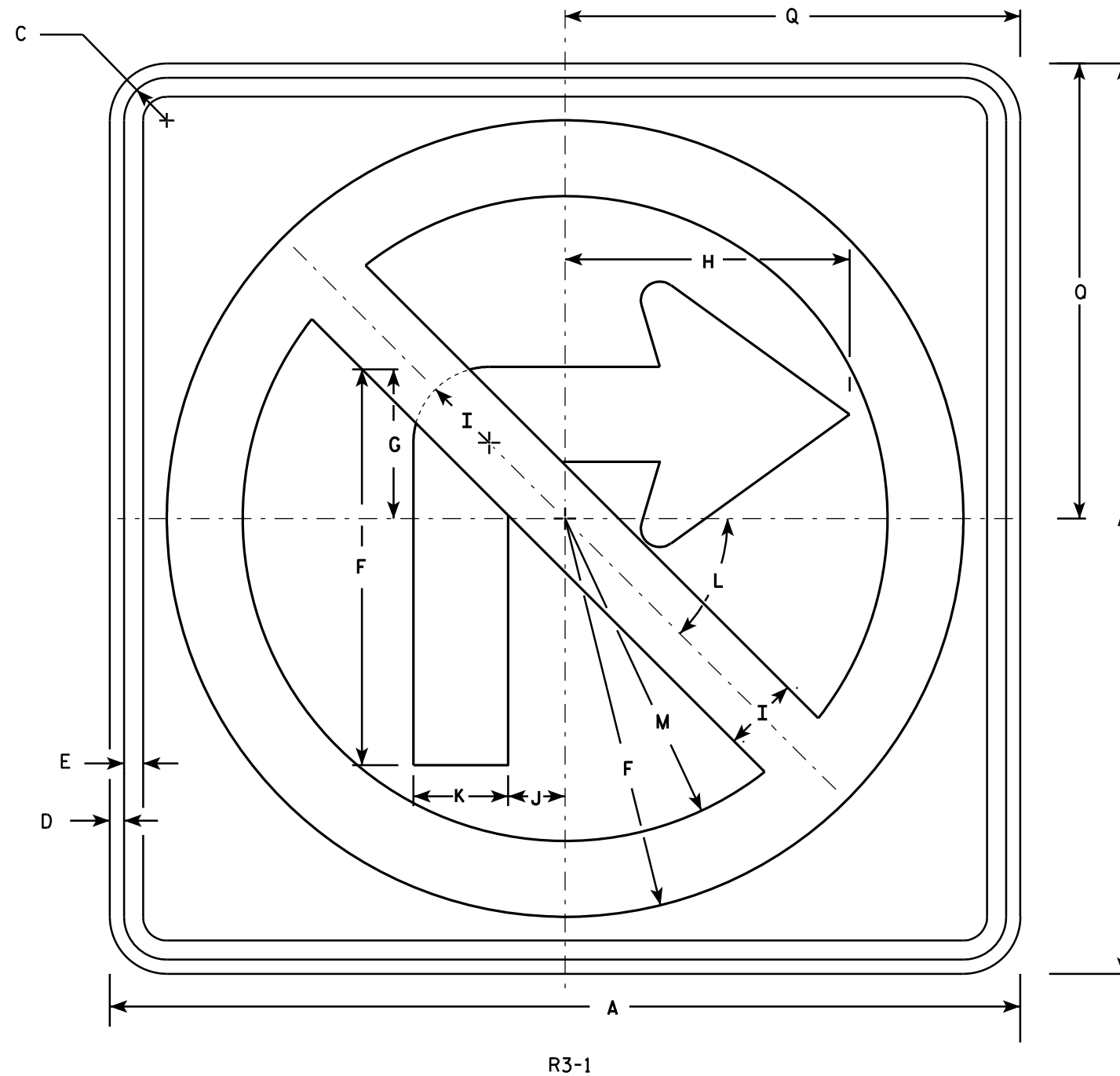
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as 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

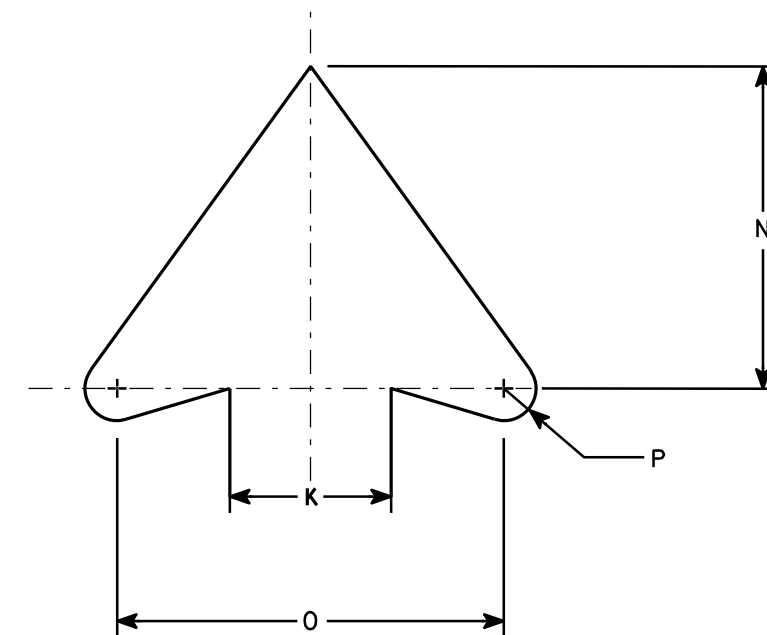
WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
For State Traffic Engineer
DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: HWY: COUNTY: SHEET NO: 199 E



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	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

STANDARD SIGN

R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

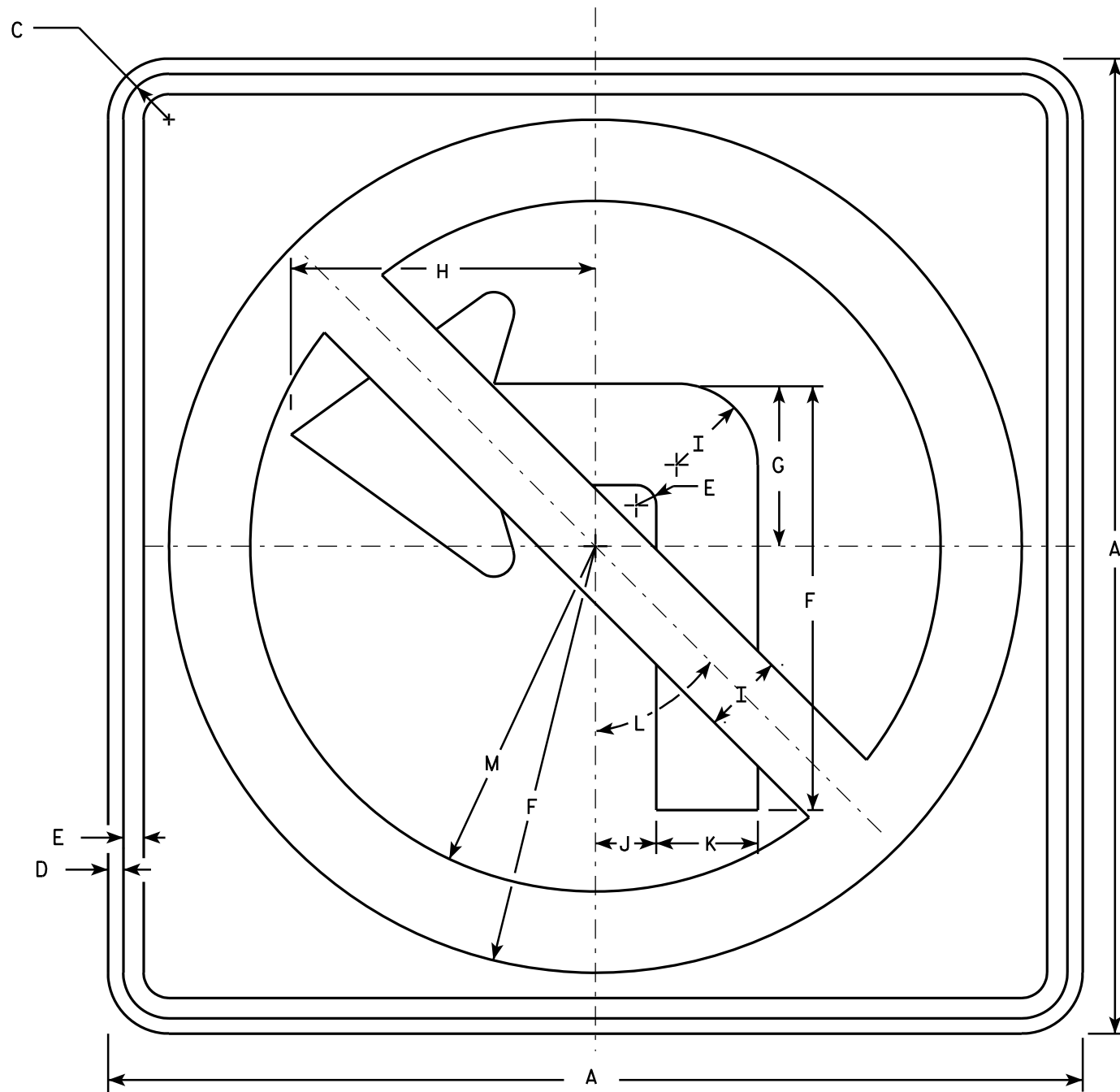
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 200

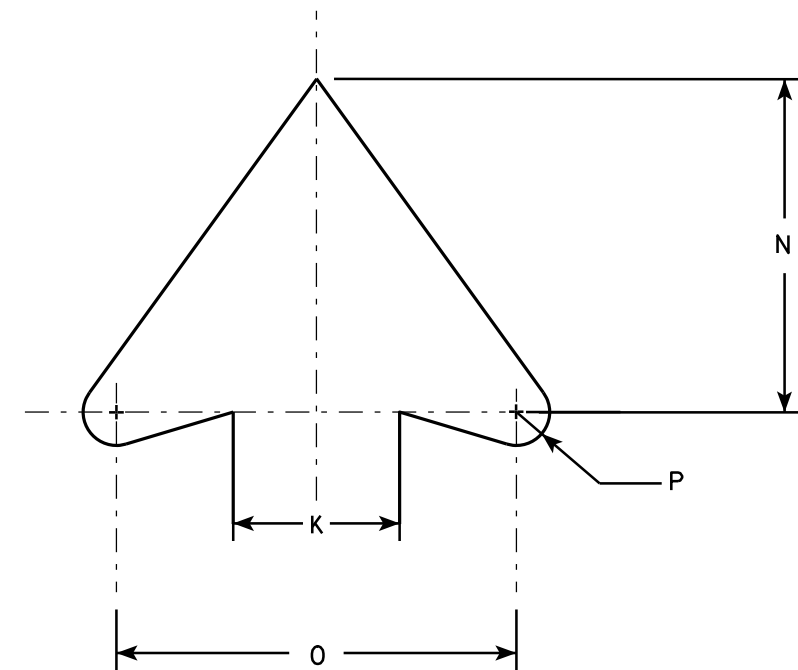
E



R3-2

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 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	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1 1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1 1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

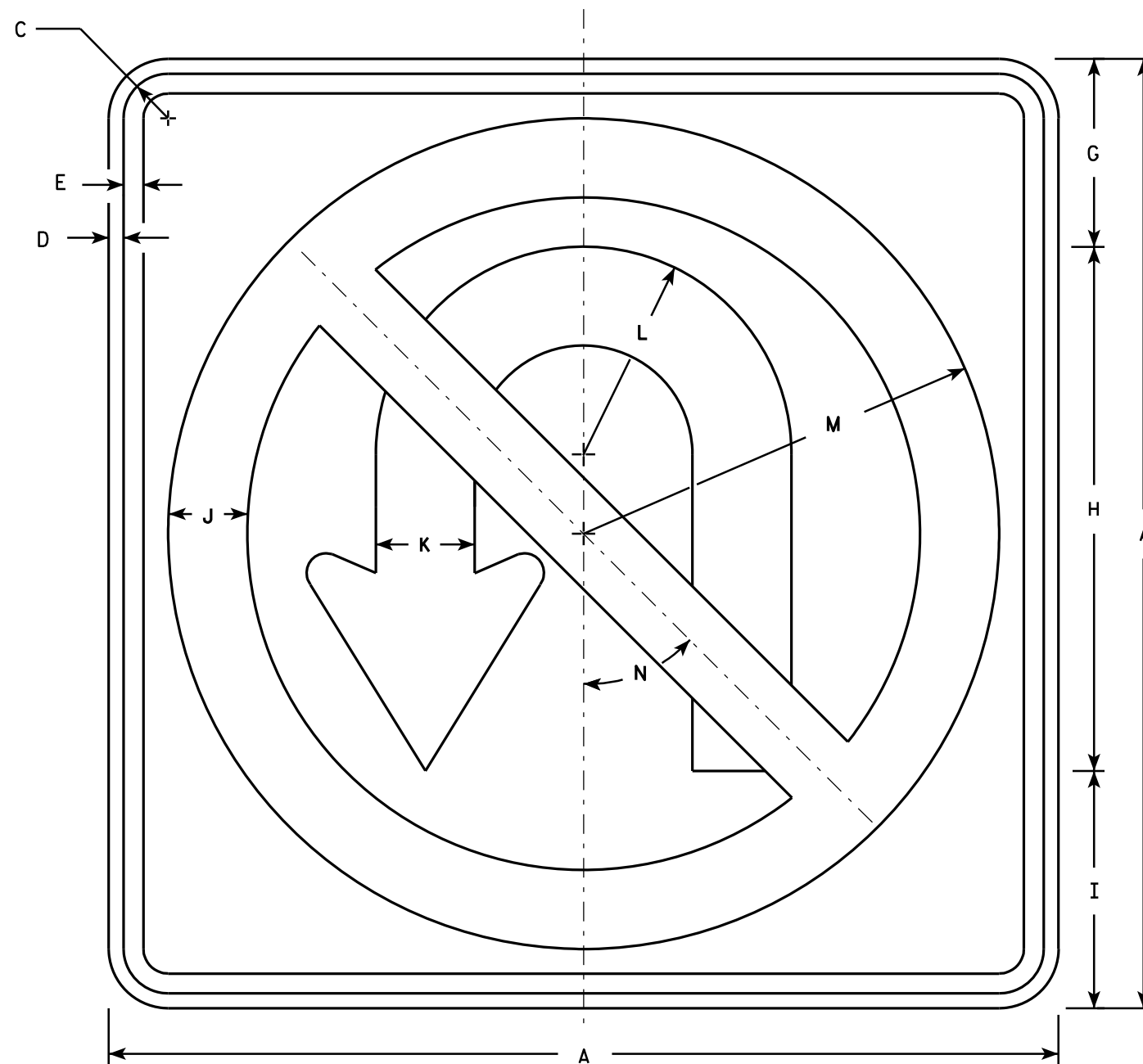
PROJECT NO:

HWY:

COUNTY:

SHEET NO: 201

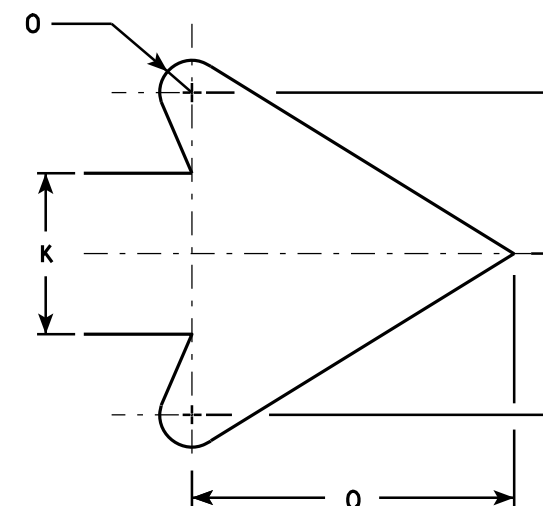
E



R3-4

NOTES

- Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
- Color:
Background - White
Message - See note 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.
- Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.

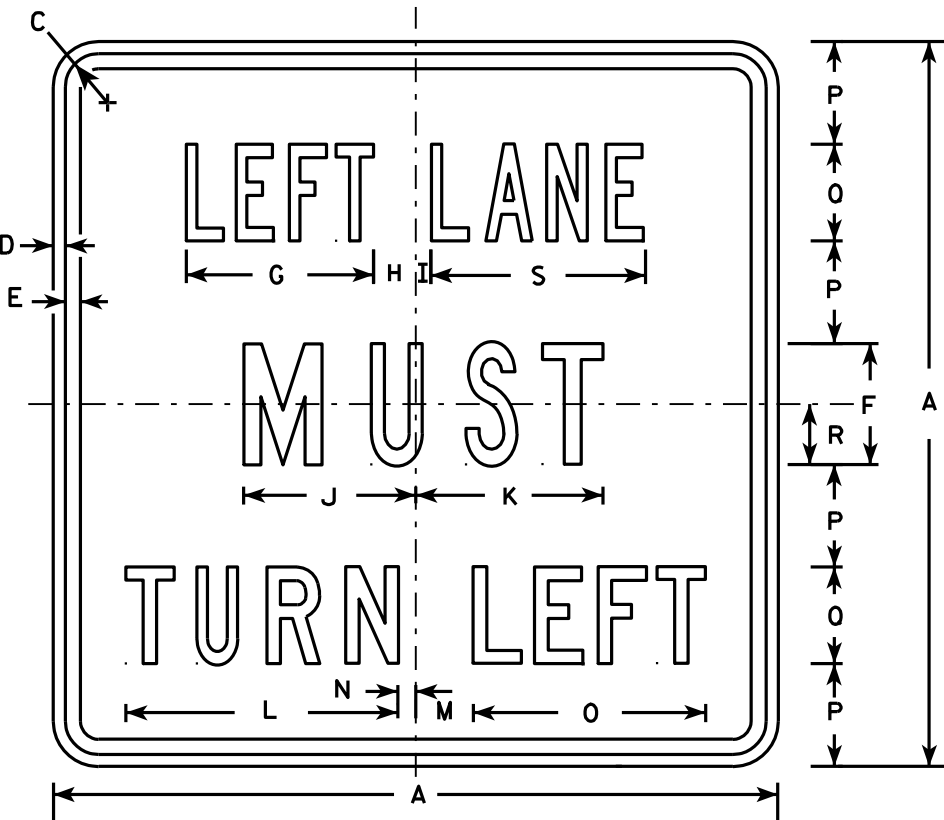


ARROW DETAIL

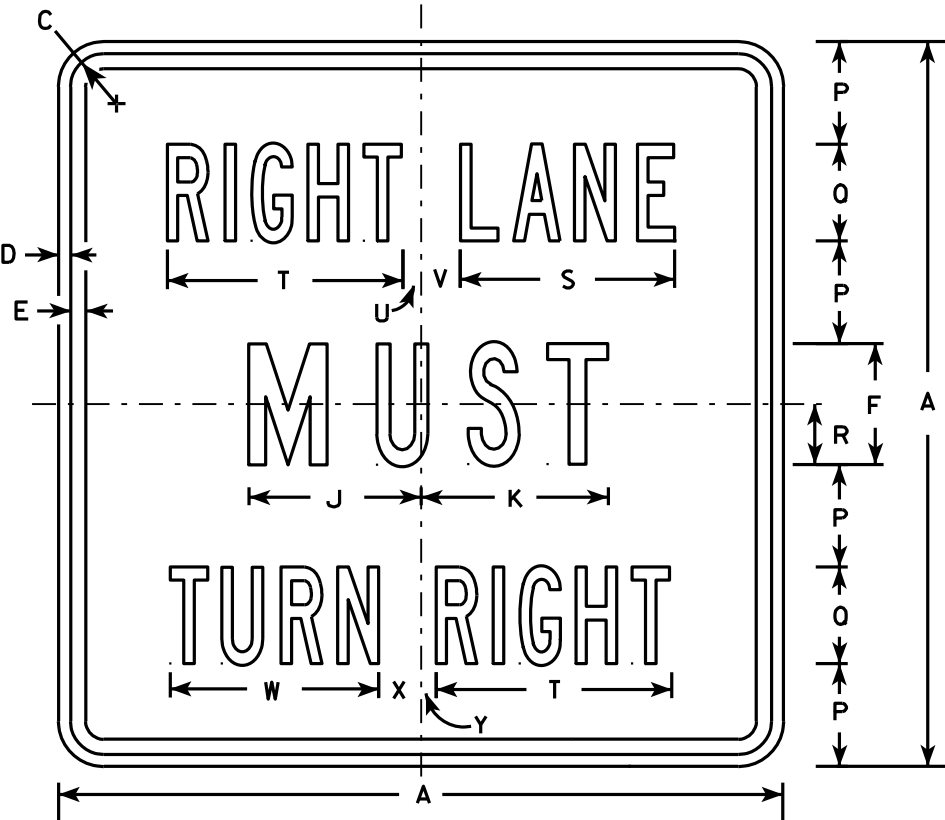
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	3/8	1/2		4 3/4	13 1/4	6	2	2 1/2	5 1/4	10 1/2	45°	1/2		5										4.0
2M	36		1 5/8	5/8	3/4		7 1/8	19 7/8	9	3	3 3/4	7 7/8	15 3/4	45°	3/4		7 5/8										9.0
3	36		1 5/8	5/8	3/4		7 1/8	19 7/8	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	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 12/08/10	PLATE NO. R3-4.11

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 202	E
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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	O	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

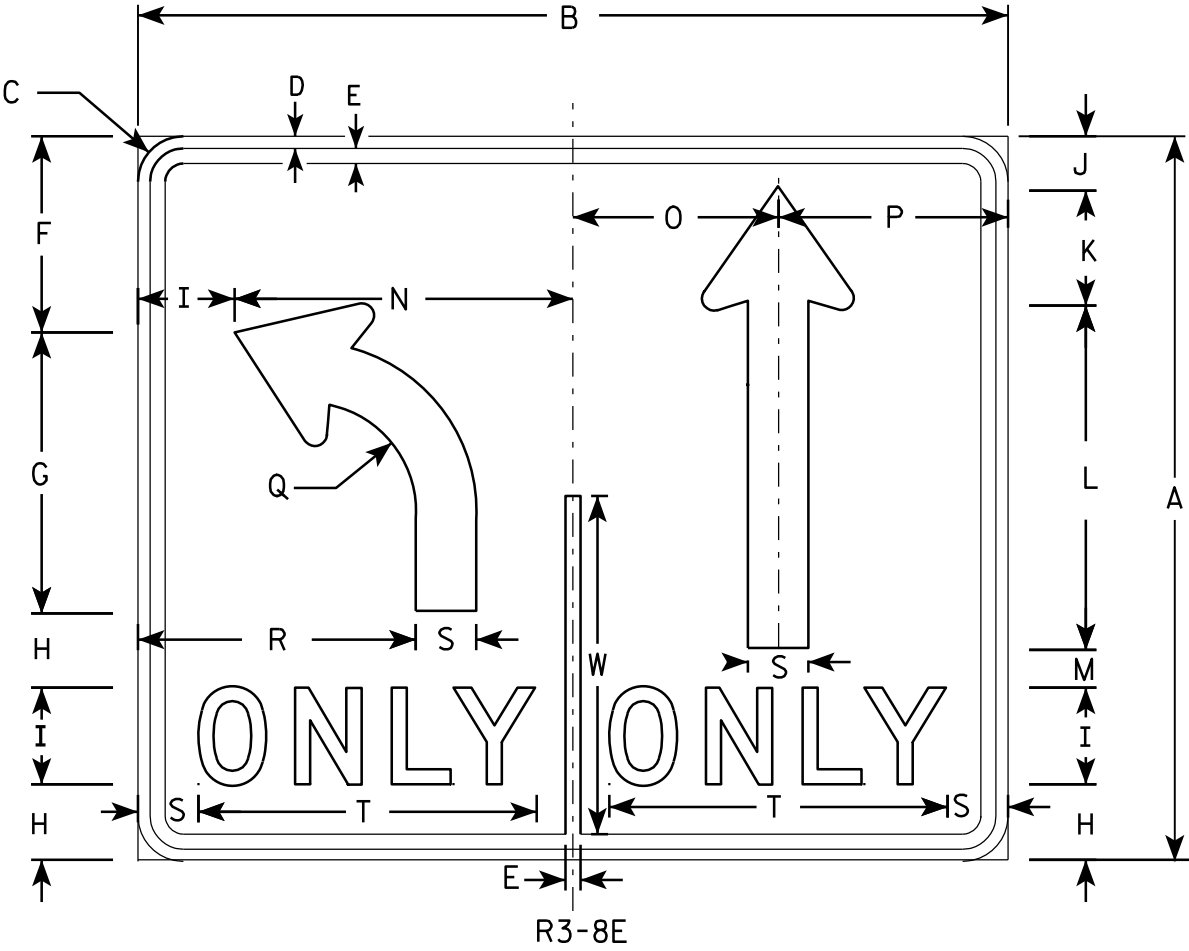
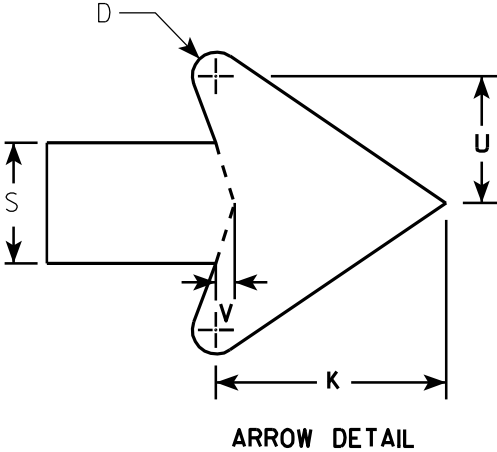
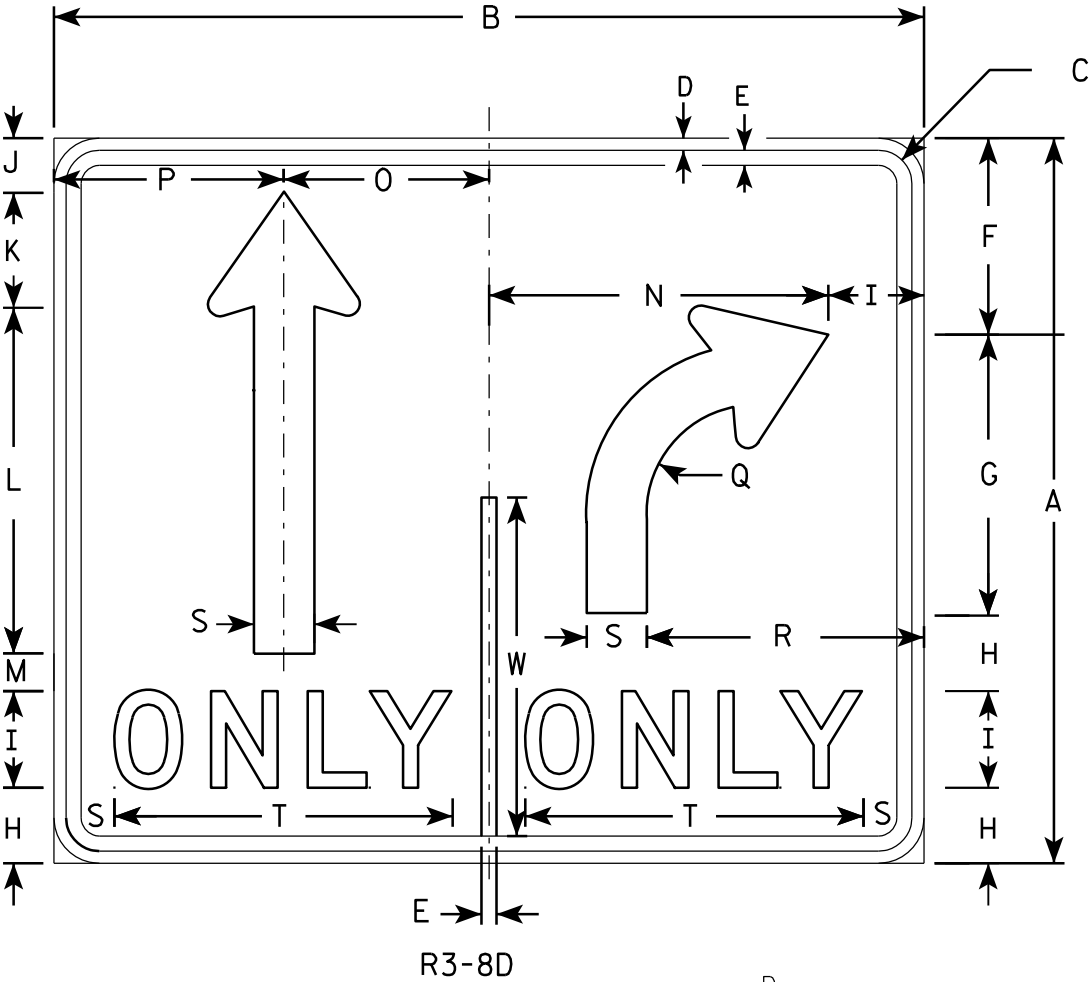
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/18/2011 PLATE NO. R3-7.3

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.



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	8 1⁄8	11 5⁄8	3 1⁄8	4	2 1⁄4	4 3⁄4	14 1⁄4	1 5⁄8	14	8 1⁄2	9 1⁄2	4 1⁄2	11 1⁄2	2 1⁄2	14	2 5⁄8	3⁄8	14				7.5
2M	30	36	1 3⁄8	1⁄2	5⁄8	8 1⁄8	11 5⁄8	3 1⁄8	4	2 1⁄4	4 3⁄4	14 1⁄4	1 5⁄8	14	8 1⁄2	9 1⁄2	4 1⁄2	11 1⁄2	2 1⁄2	14	2 5⁄8	3⁄8	14				7.5
3																											
4	48	54	2 1⁄4	3⁄4	1	13 1⁄4	18 1⁄2	5 1⁄8	6	3 1⁄2	7 1⁄8	21 1⁄2	4 3⁄4	21	12 3⁄4	14 1⁄4	7 1⁄4	17 1⁄8	3 3⁄4	20 5⁄8	4	5⁄8	22 3⁄8				18.0
5	48	54	2 1⁄4	3⁄4	1	13 1⁄4	18 1⁄2	5 1⁄8	6	3 1⁄2	7 1⁄8	21 1⁄2	4 3⁄4	21	12 3⁄4	14 1⁄4	7 1⁄4	17 1⁄8	3 3⁄4	20 5⁄8	4	5⁄8	22 3⁄8				18.0

STANDARD SIGN
R3-8D & R3-8E

WISCONSIN DEPT OF TRANSPORTATION
APPROVED *Matthew R. Rauch*
for State Traffic Engineer
DATE 3/18/2011 PLATE NO. R3-8D.2

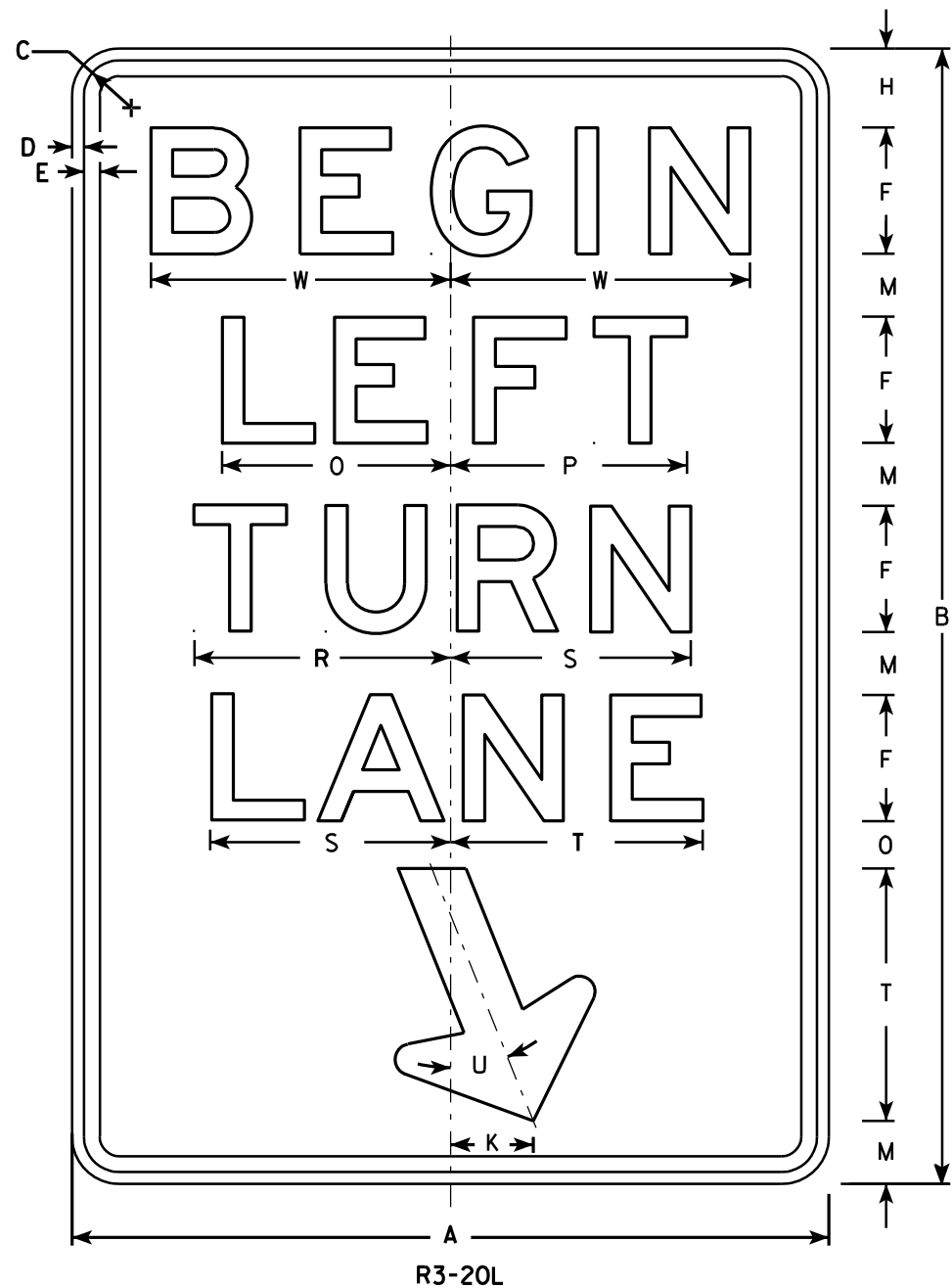
PROJECT NO:

HWY:

COUNTY:

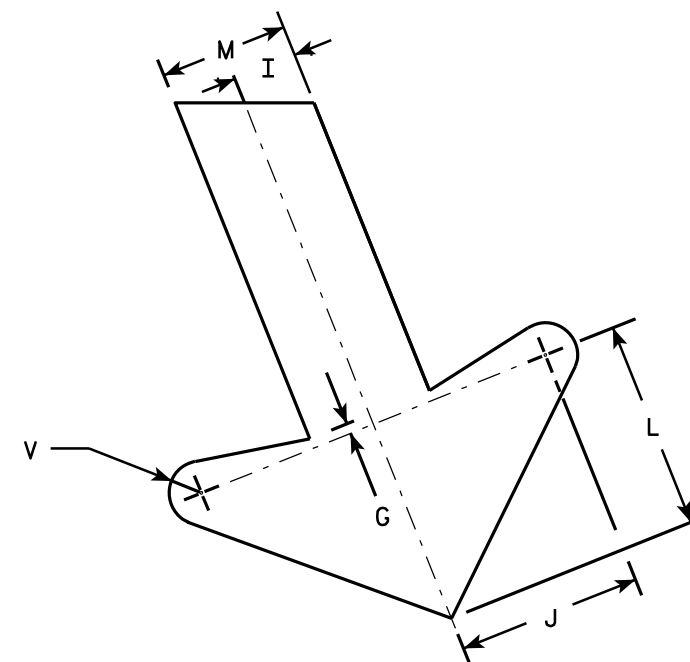
SHEET NO: 204

E



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.



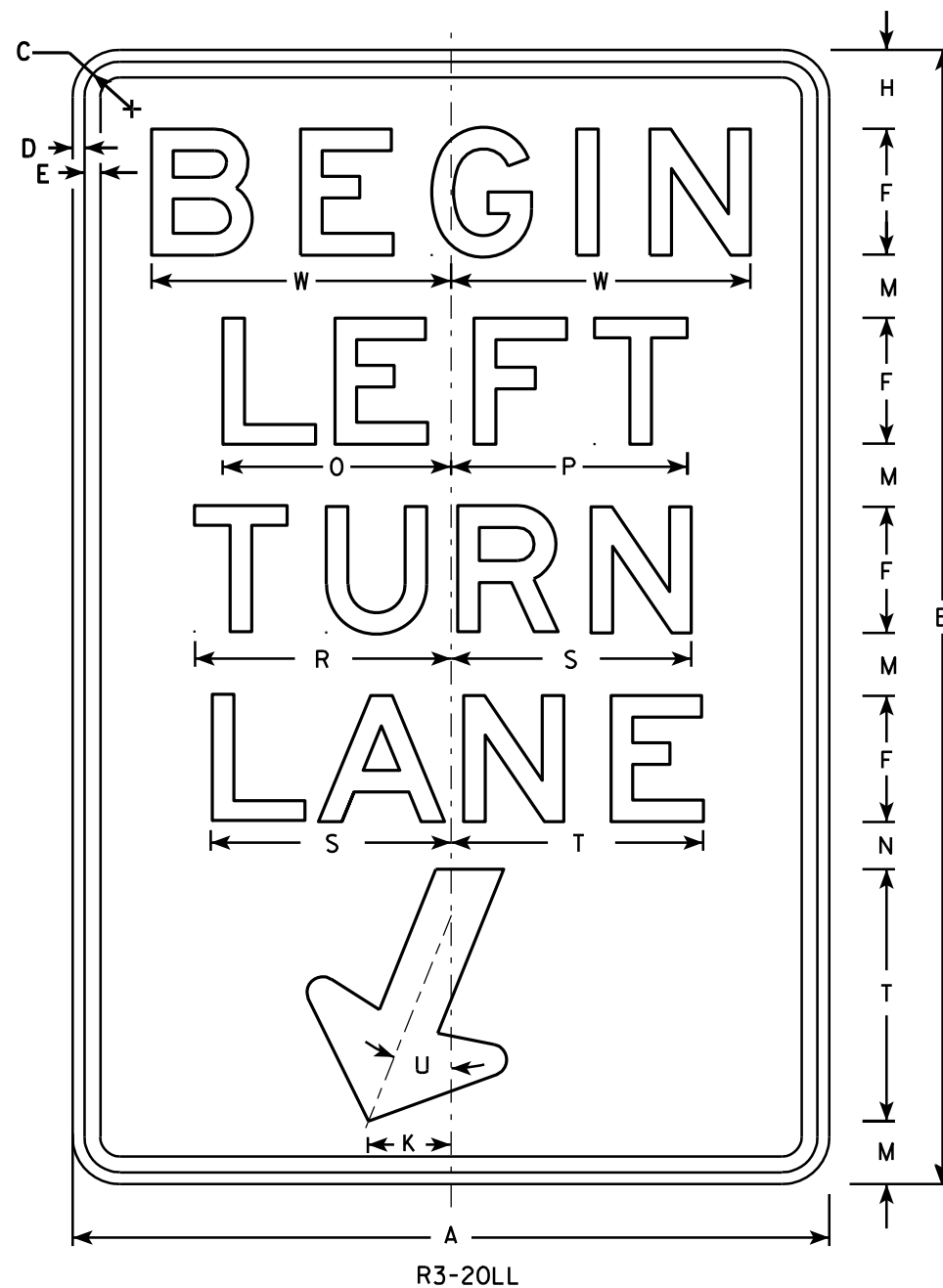
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	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

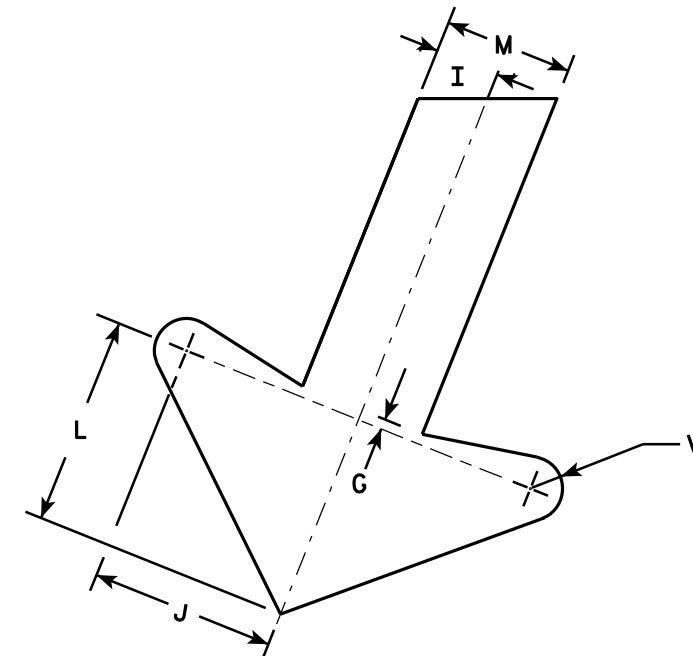
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20L.7



- 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.

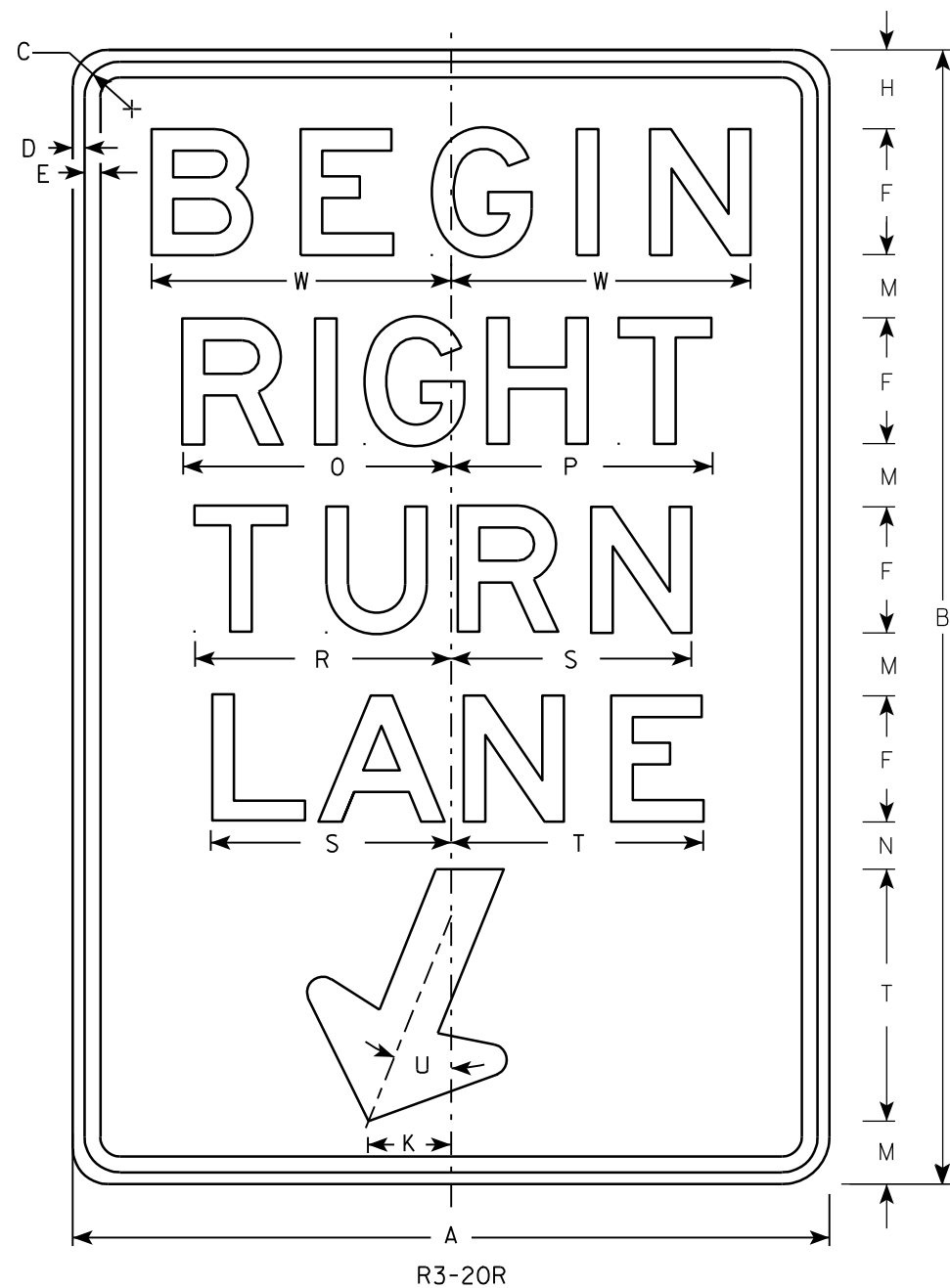


ARROW DETAIL

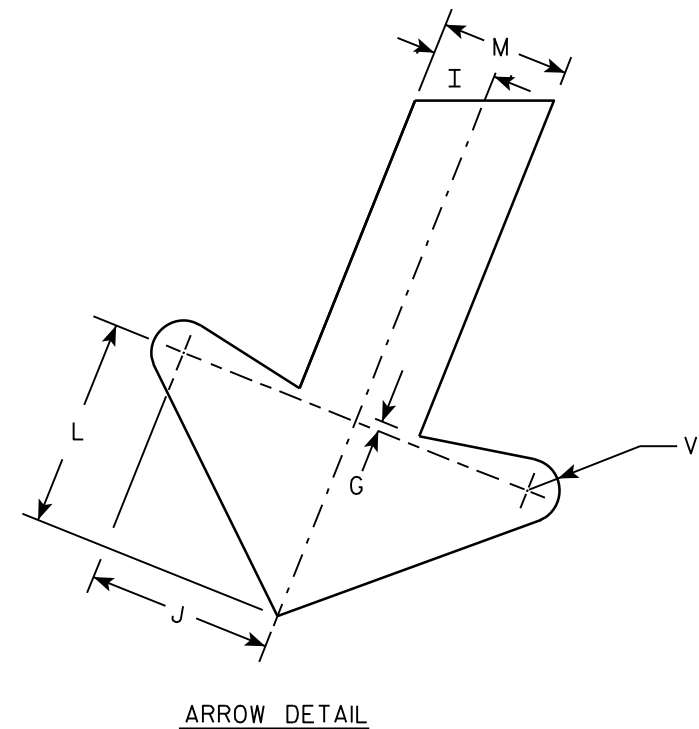
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	1/2	9 1/2				6.0
2M	24	36	1 1/8	3/8	1/2	4	1/4	2 1/2	1	2 7/8	2 5/8	3 1/4	2	1 1/2	7 1/4	7 1/2		8 1/8	7 5/8	8	22°	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	<i>Matthew R. Rauch</i> For State Traffic Engineer
DATE 10/18/10	PLATE NO. R3-20LL.1

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 206	E
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- 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.



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	8 1/2	8 1/4		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	8 1/2	8 1/4		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	12 3/4	12 1/2		12 1/4	11 1/2	12	22°	3/4	13 1/4				13.5
4																											
5																											

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 207	E
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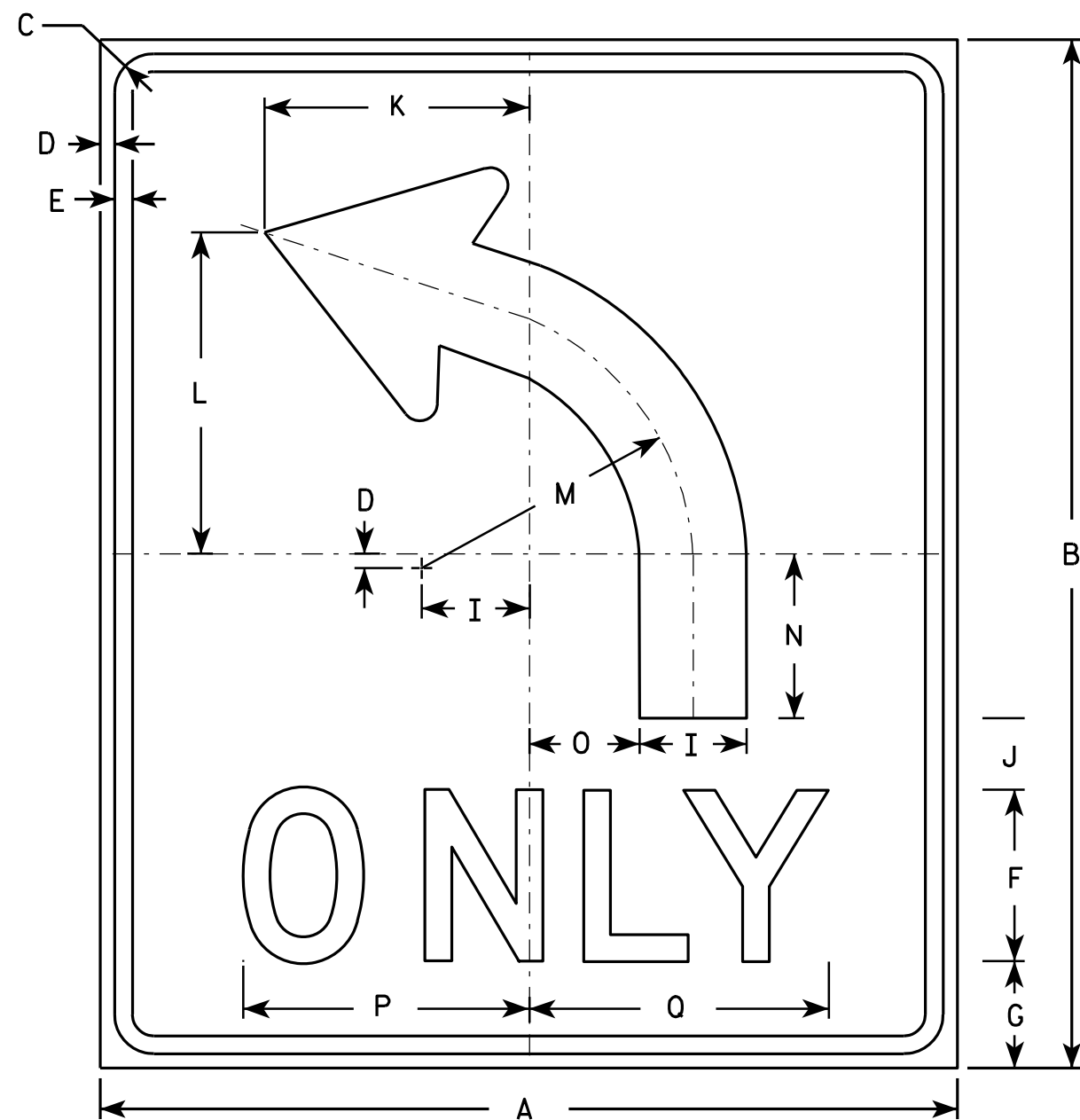
STANDARD SIGN
R3-20R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 10/18/10 PLATE NO. R3-20R.6

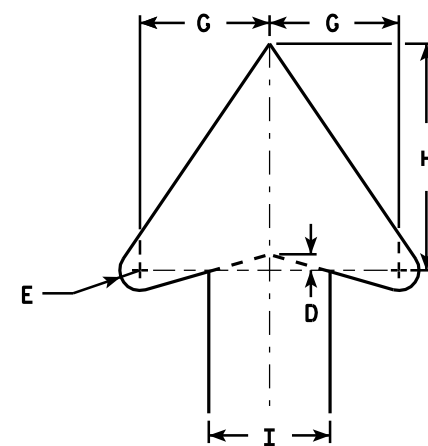
7



R3-50L

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 - 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. R3-50R is the same as R3-50L except curved portion of arrow points right.



ARROW DETAIL

7

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	6	4	7	3 3⁄4	2 1⁄2	9 1⁄4	11 1⁄4	9 1⁄2	5 3⁄4	3 7⁄8	10	10 1⁄2										7.5
2M	30	36	1 3⁄8	1⁄2	5⁄8	6	4	7	3 3⁄4	2 1⁄2	9 1⁄4	11 1⁄4	9 1⁄2	5 3⁄4	3 7⁄8	10	10 1⁄2										7.5
3																											
4																											
5																											

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 208	E
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STANDARD SIGN
R3-50

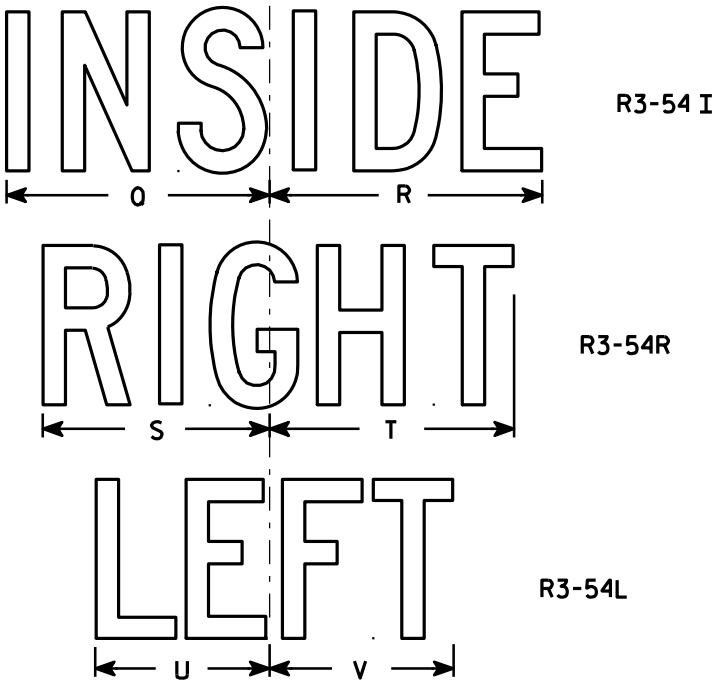
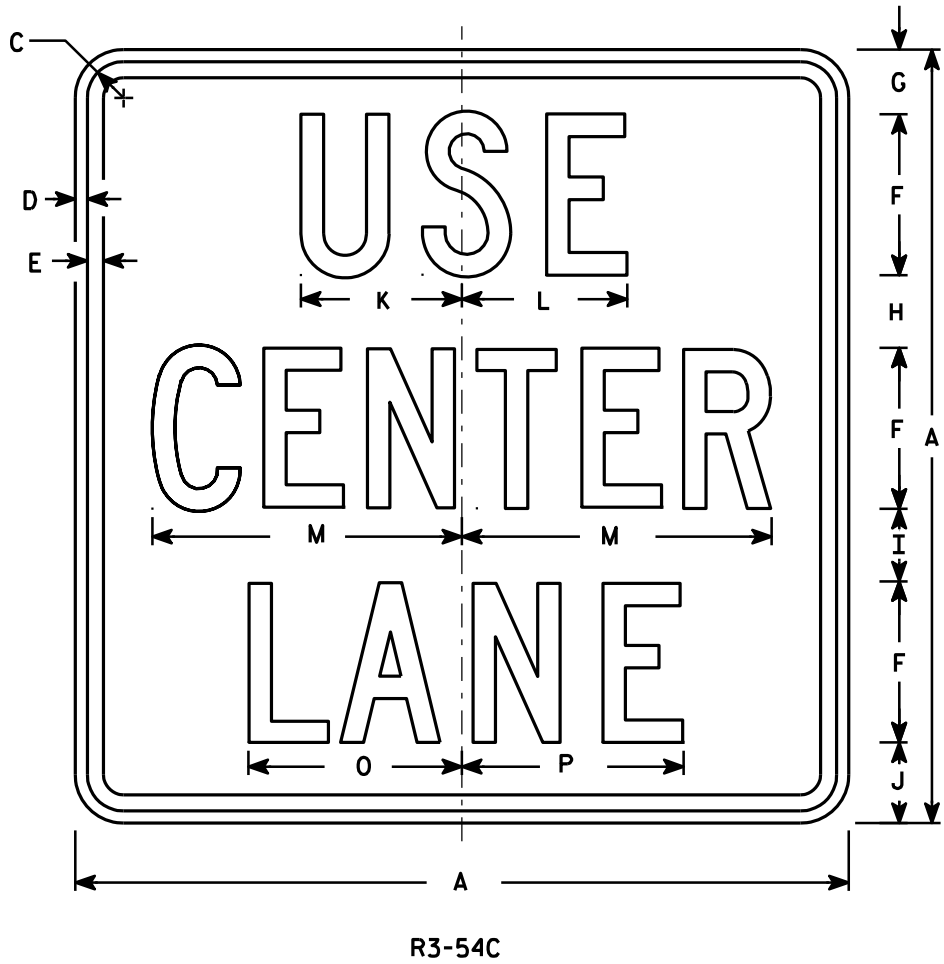
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-50.2

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 - 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	24		1 1/8	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	9 5/8		6 5/8	6 7/8	8 1/8	8 1/2	7	7 5/8	5 3/8	5 3/4					4.0
2M	24		1 1/8	3/8	1/2	5	2	2 1/4	2 1/4	2 1/2	5	5 1/8	9 5/8		6 5/8	6 7/8	8 1/8	8 1/2	7	7 5/8	5 3/8	5 3/4					4.0
3	36		1 5/8	5/8	3/4	7	4	3	3 1/2	4 1/2	7 1/2	7 3/4	14 3/8		9 7/8	10 1/4	12 1/8	12 3/4	10 3/8	11 3/8	8	8 5/8					9.0
4																											
5																											

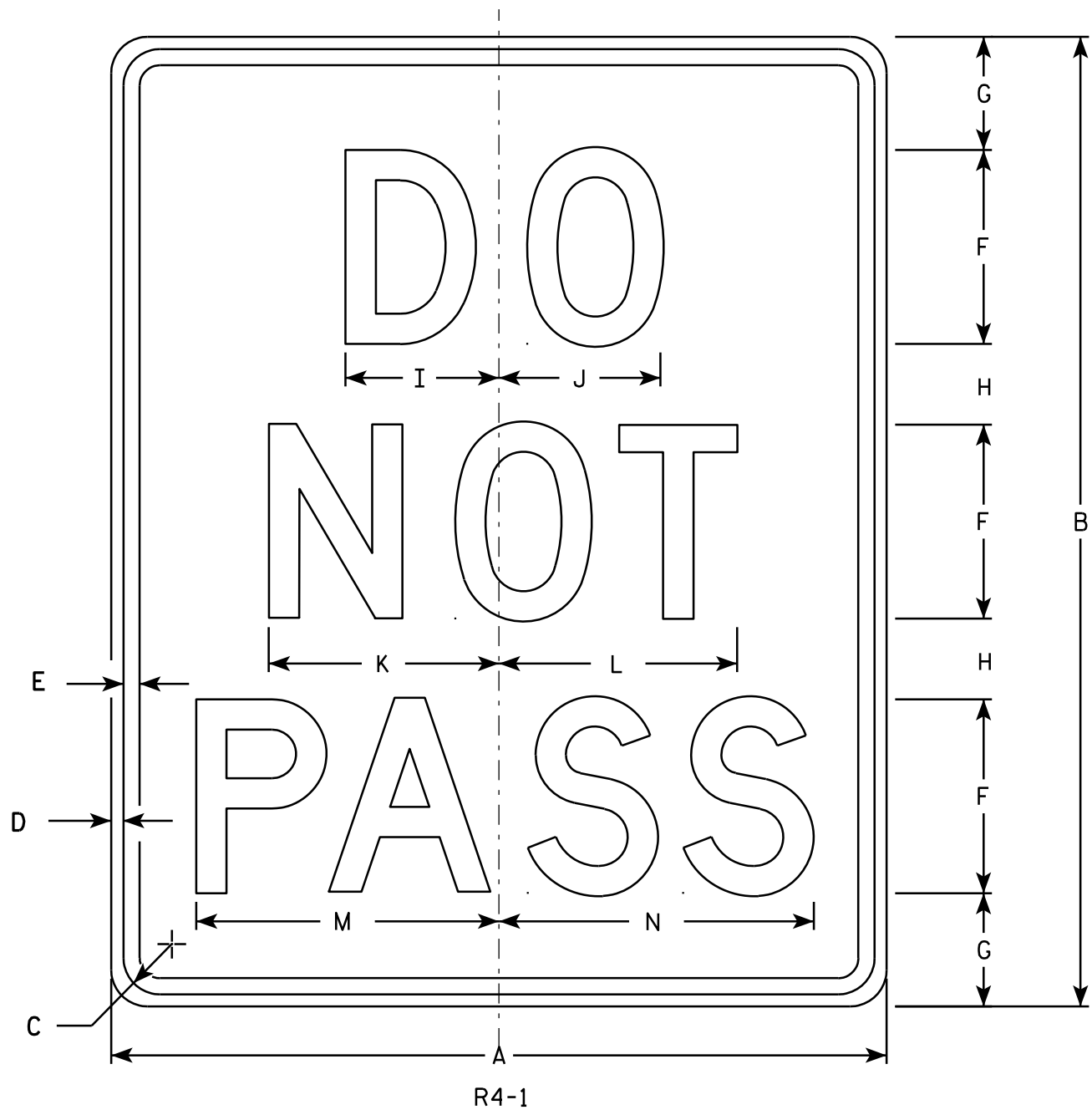
STANDARD SIGN
R3-54C, I ,L & R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/24/2011 PLATE NO. R3-54.8

7



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.

7

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	4	3 1/2	2 1/2	3 1/8	3 1/4	4 3/4	4 7/8	6 1/4	6 1/2													3.0
2S	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
2M	24	30	1 1/8	3/8	1/2	6	3 1/2	2 1/2	4 3/4	5	7 1/8	7 3/8	9 3/8	9 3/4													5.0
3																											
4	36	48	1 5/8	5/8	3/4	8	7	5	6 1/4	6 5/8	9 1/2	9 3/4	12 1/2	13													12.0
5	48	60	2 1/4	3/4	1	10	8	7	7 3/4	8 3/8	11 7/8	12 1/4	15 5/8	16 1/4													20.0

STANDARD SIGN
R4 - 1

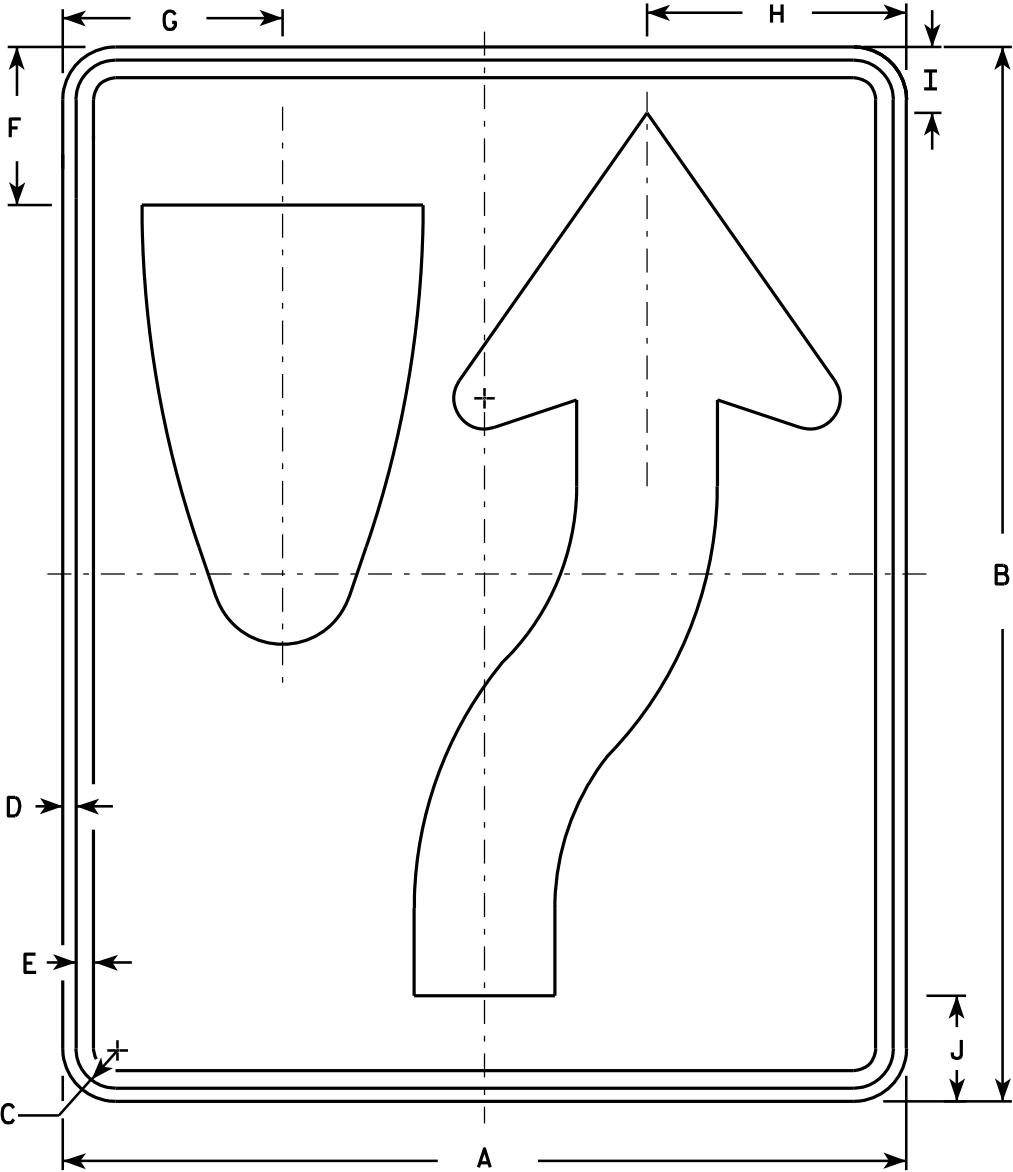
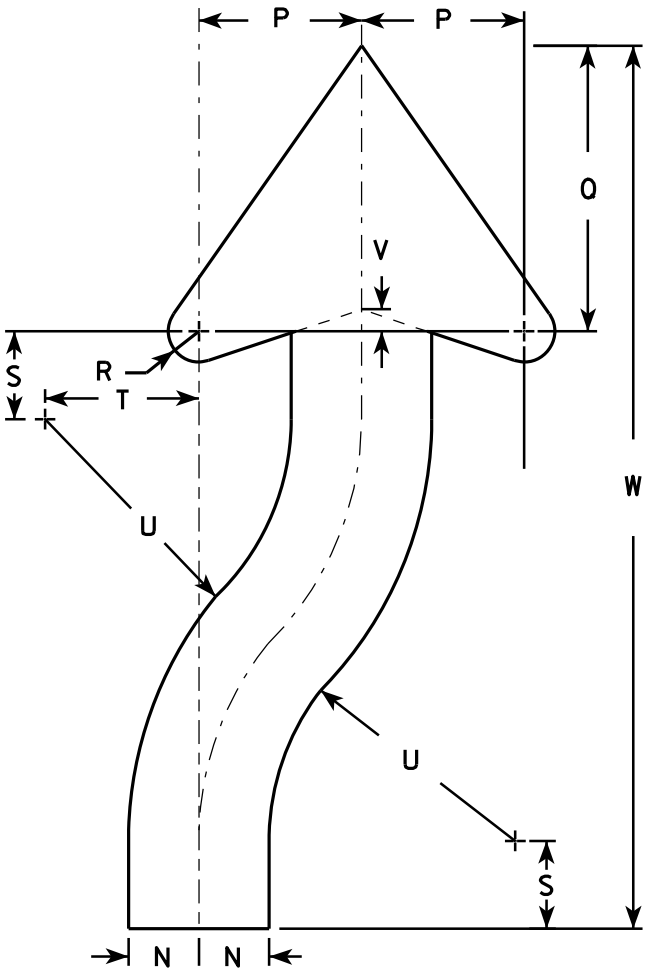
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/25/2011 PLATE NO. R4-1.7

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.



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:

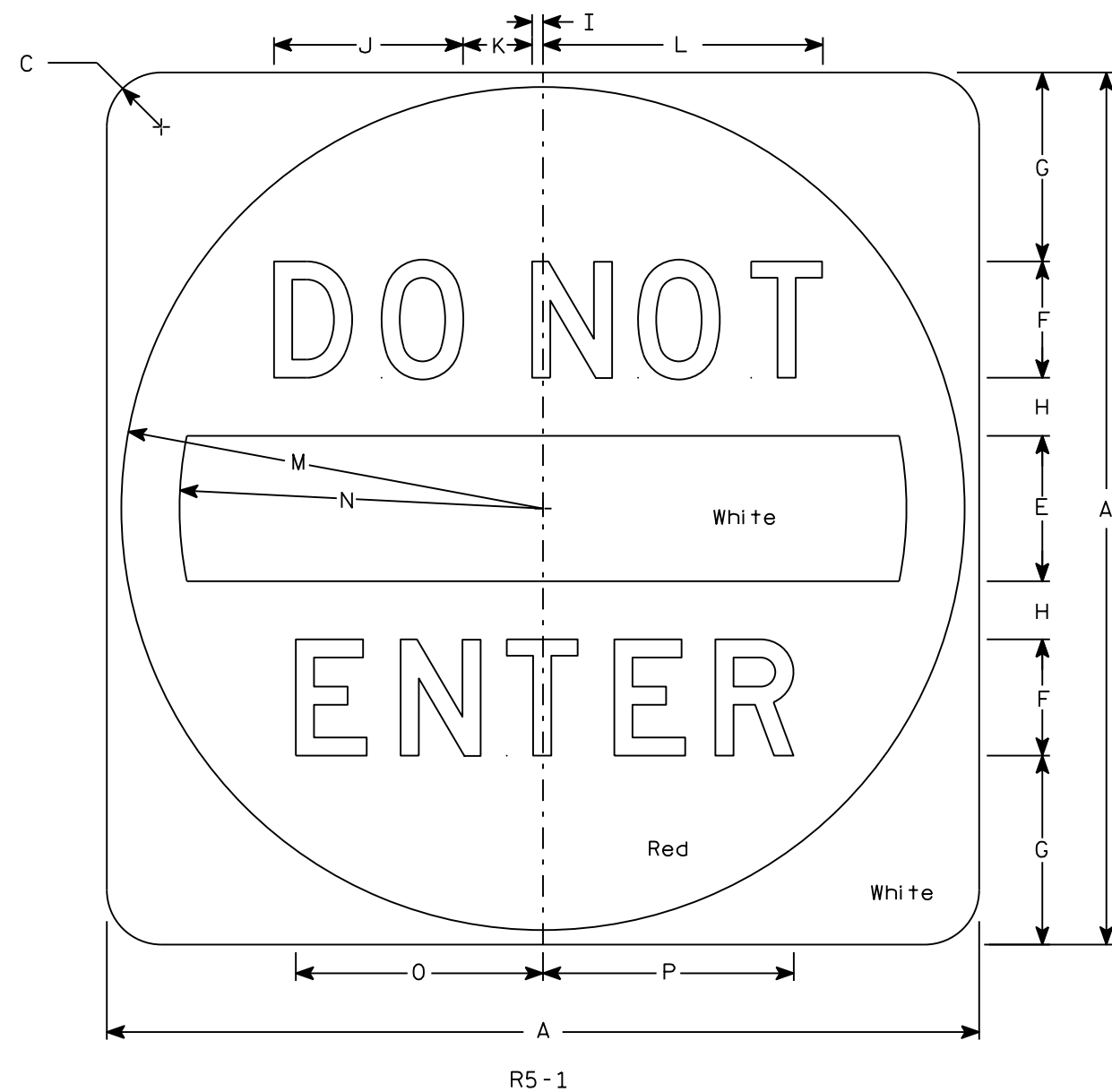
HWY:

COUNTY:

SHEET NO: 211

E

7



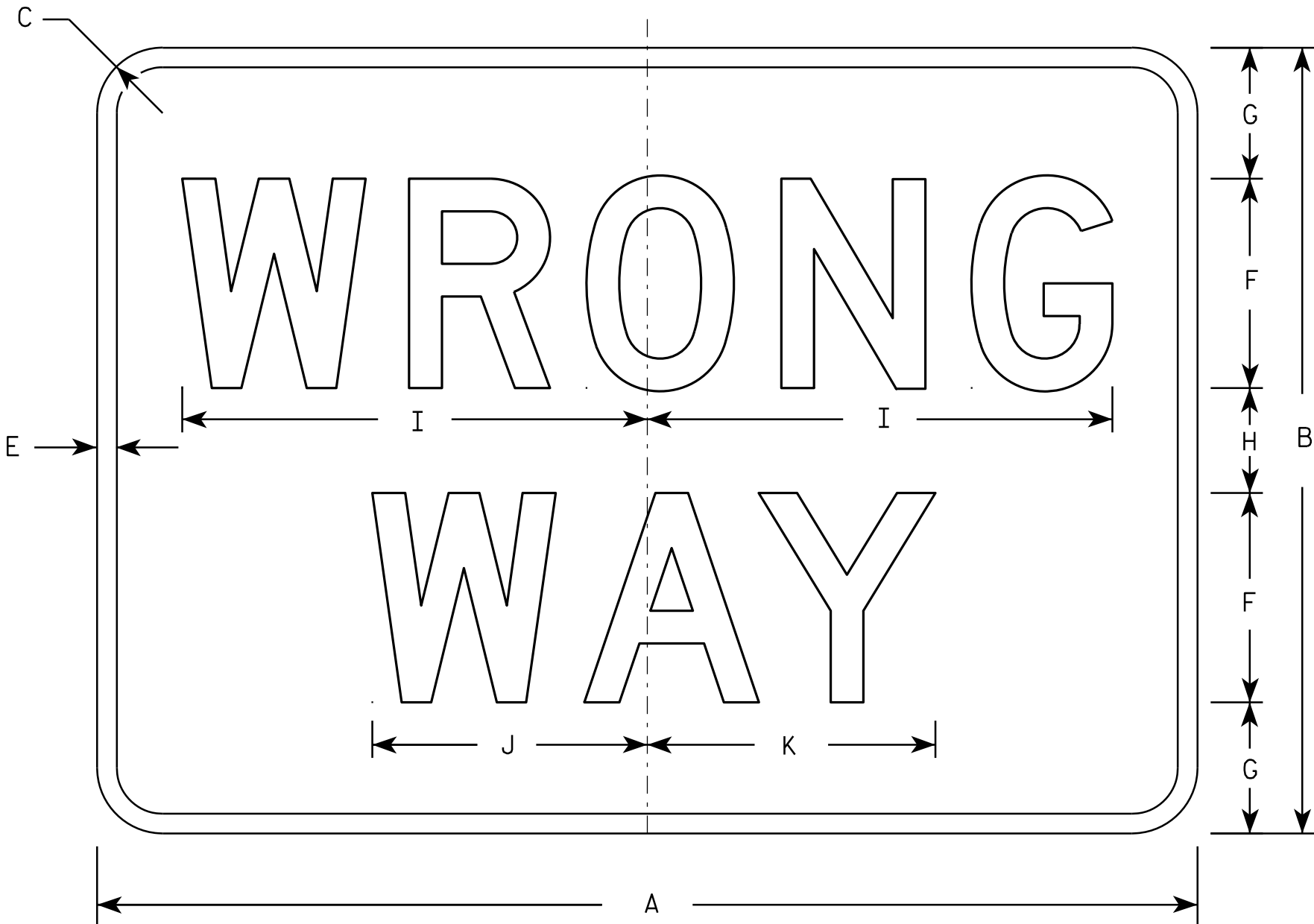
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - See detail
Message - White
3. Message Series - D

7

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	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 3/15/18	PLATE NO. R5-1.16



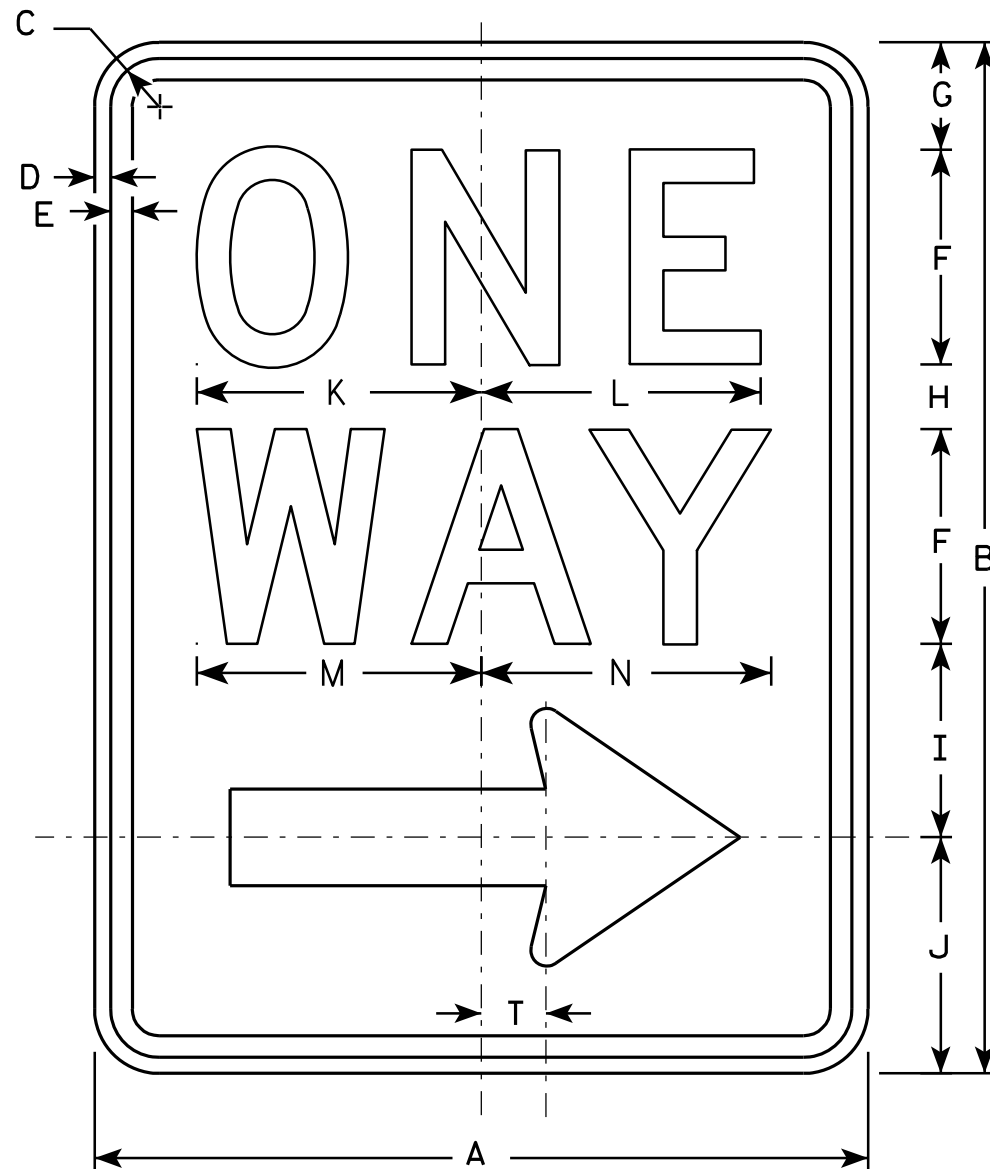
R5-1A

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

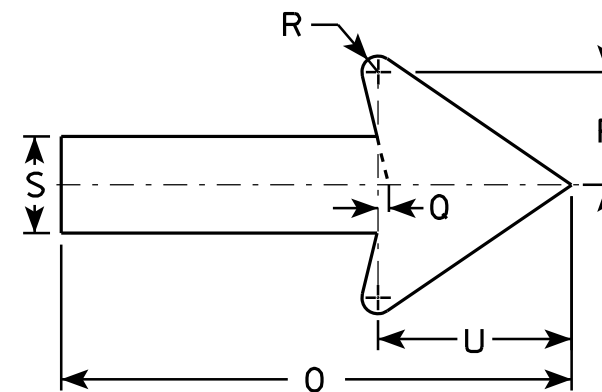
STANDARD SIGN R5-1A	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 12/17/10	PLATE NO. R5-1A.2



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																										

PROJECT NO:	HWY:	COUNTY:	SHEET NO: 214	E
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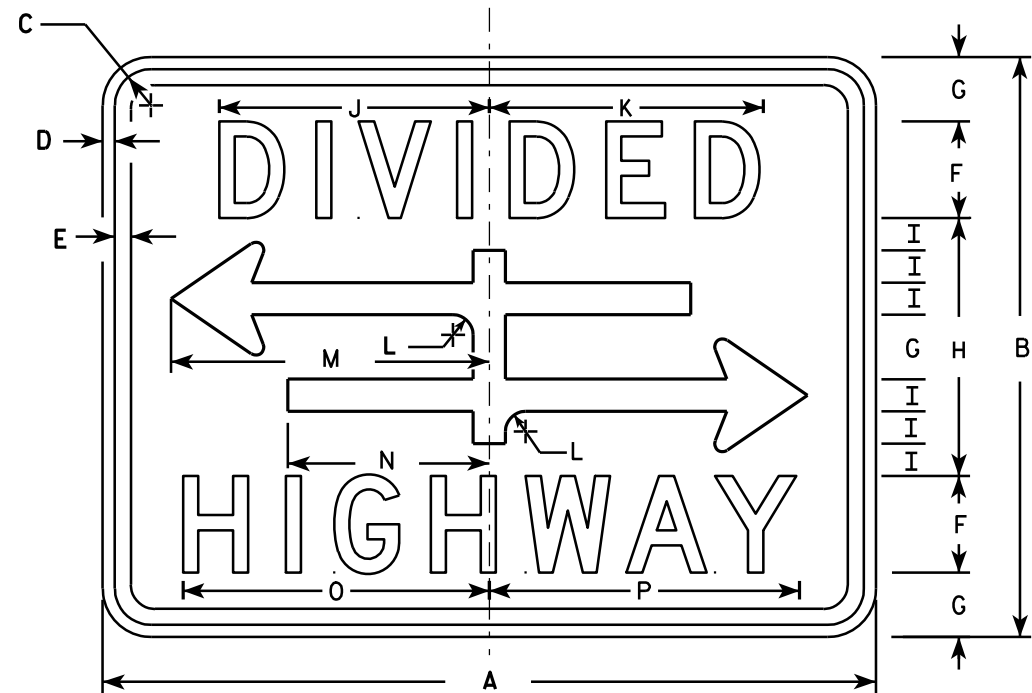
STANDARD SIGN

R6-2 R&L

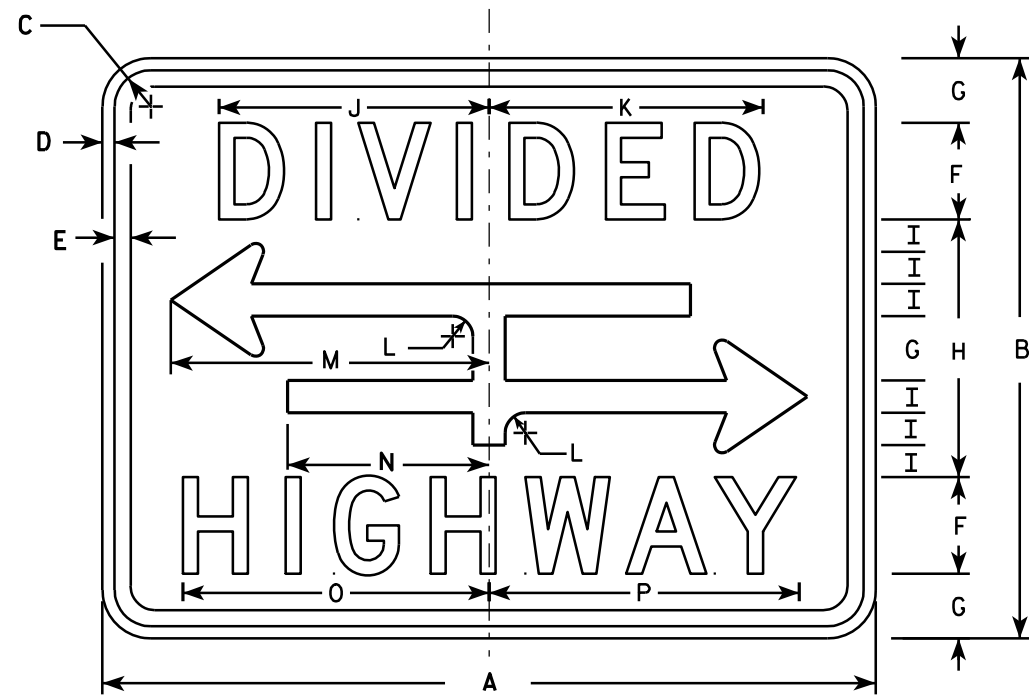
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/2/10 PLATE NO. R6-2.8



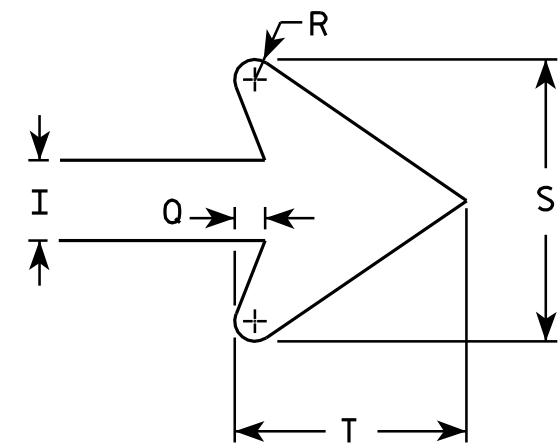
R6-3



R6-3A

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.



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

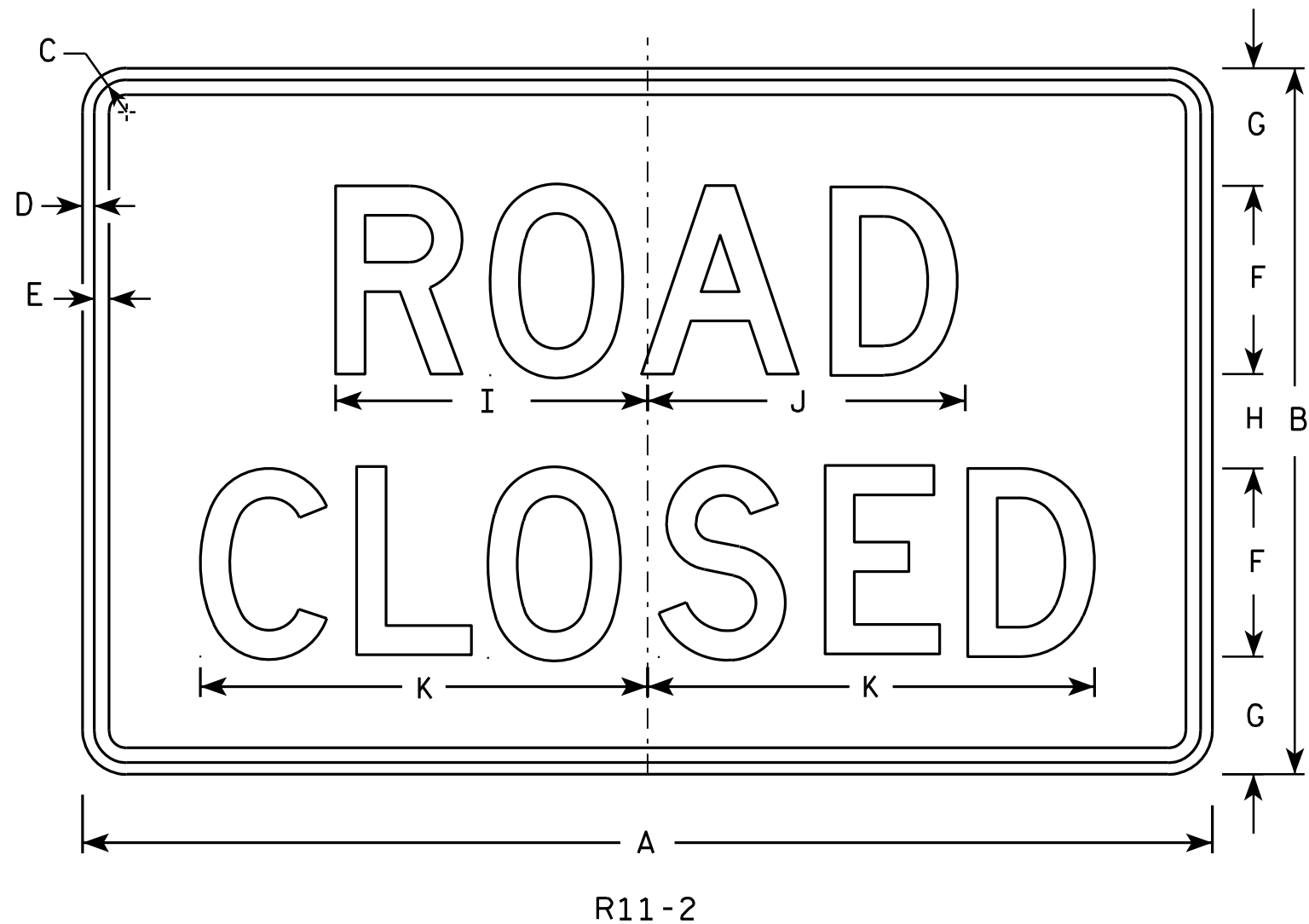
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R6-3.5

PROJECT NO:

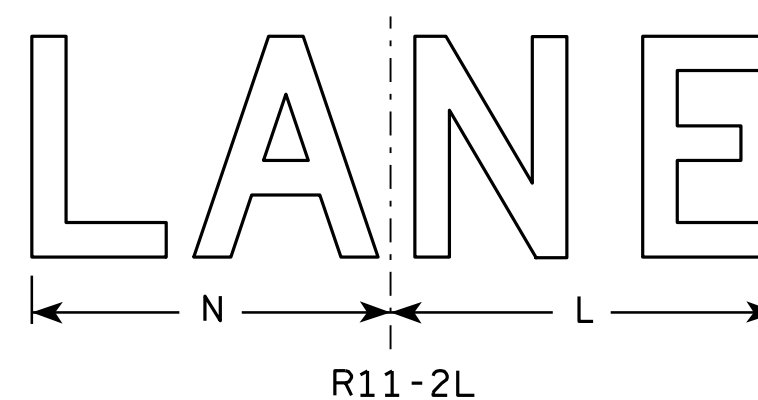
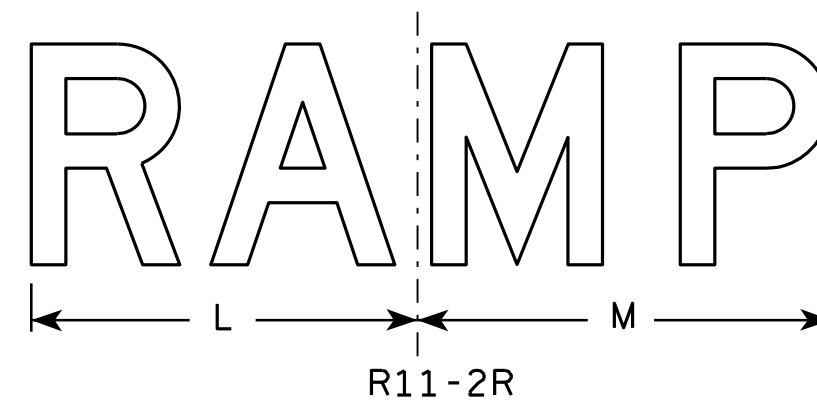
SHEET NO: 215

E



NOTES

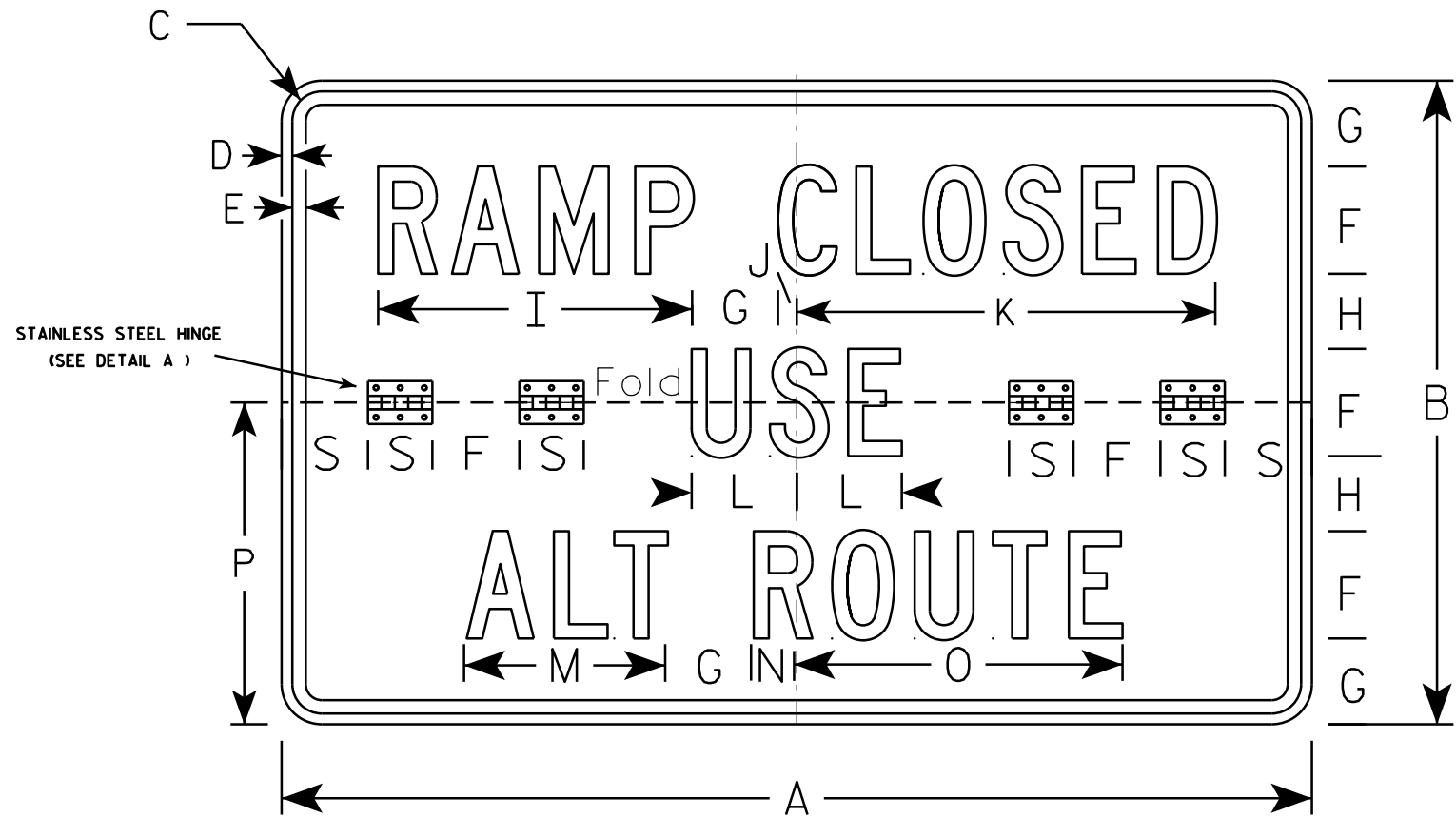
1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
Background - White
Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Modify the message as required.



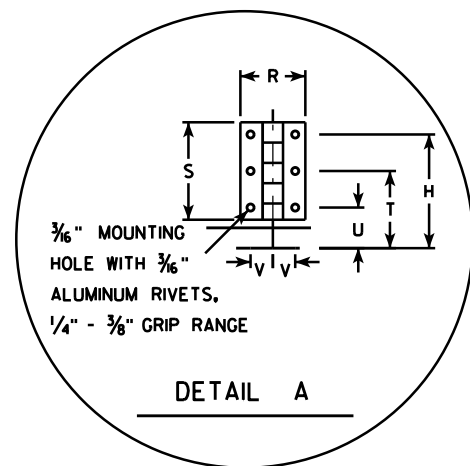
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
2M	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													10.0
3	48	30	1 3⁄8	1⁄2	5⁄8	8	5	4	13 1⁄4	13 1⁄2	19	14	15	13													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	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 4/1/11	PLATE NO. R11-2.10

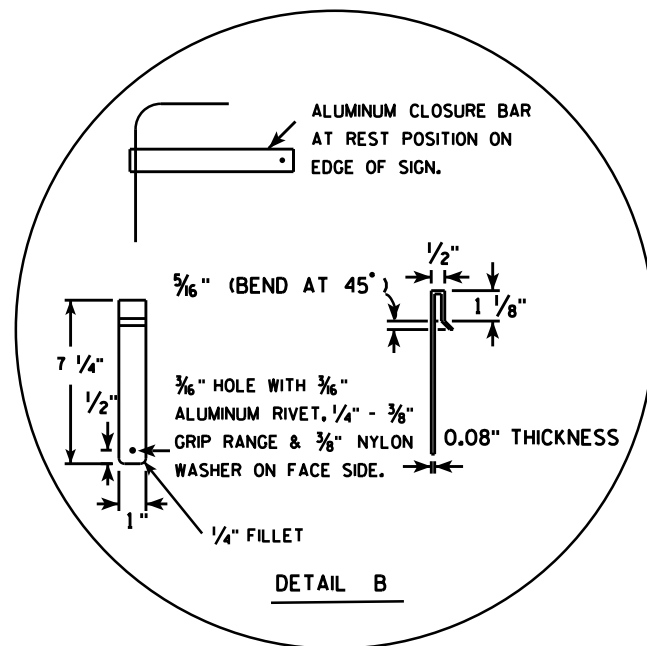
PROJECT NO:	HWY:	COUNTY:	SHEET NO: 216
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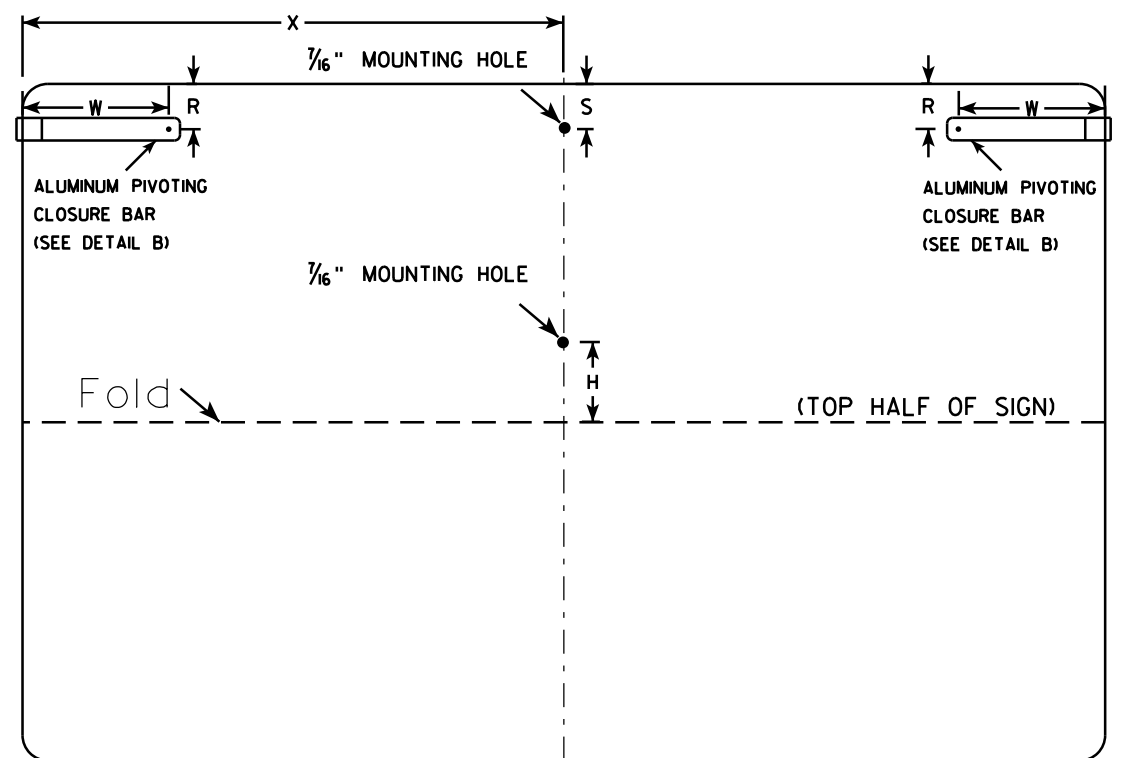
R11-54F



DETAIL A



DETAIL B



(BACK VIEW)

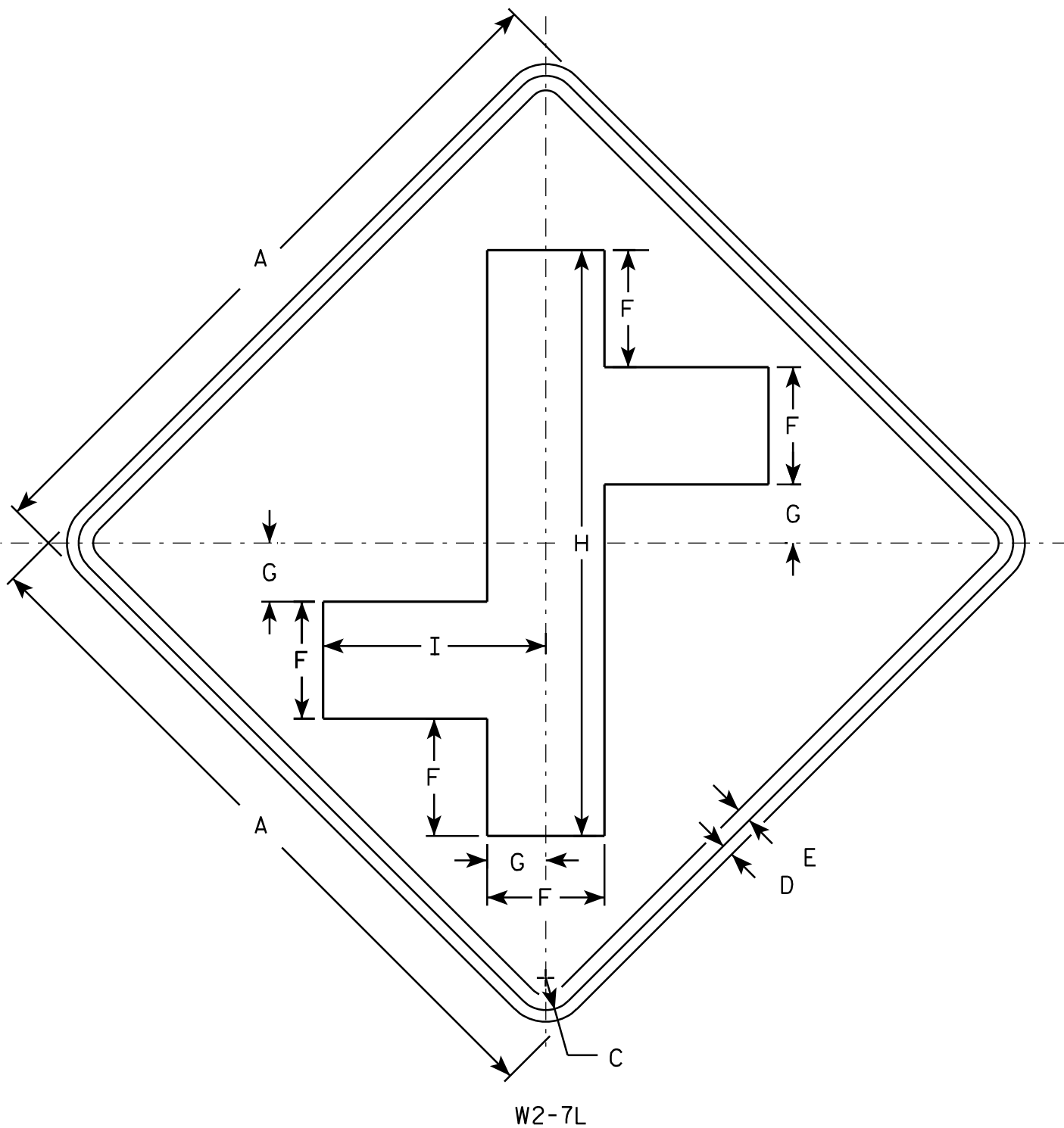
NOTES

1. Sign is Type II - Type H Reflective
2. Color:
Background - WHITE
Message - BLACK
3. Message Series - C
4. Sign Base Material shall be aluminum, corners and borders shall be rounded.
5. All hardware used on the folding sign installation shall conform to 637.2.4 of the WIS DOT Standard Specification.
6. Refer to plate A5-3A for sign blank layout.

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	5	4	3 1⁄2	14 5⁄8	7⁄8	19 1⁄2	4 7⁄8	9 3⁄8	2	15 1⁄4	15		2	3	2 5⁄8	1 1⁄4	11⁄16	6 1⁄2	24			10.0
2M	48	30	1 3⁄8	1⁄2	5⁄8	5	4	3 1⁄2	14 5⁄8	7⁄8	19 1⁄2	4 7⁄8	9 3⁄8	2	15 1⁄4	15		2	3	2 5⁄8	1 1⁄4	11⁄16	6 1⁄2	24			10.0
3																											
4																											
5																											

PROJECT NO: HWY: COUNTY: SHEET NO: E

STANDARD SIGN R11-54F	
WISCONSIN DEPT OF TRANSPORTATION	
APPROVED	<i>Matthew R. Rauch</i> for State Traffic Engineer
DATE 5/28/14	PLATE NO. 11-54F.3



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.

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 3⁄8	1⁄2	5⁄8	5	2 1⁄2	25	9 1⁄2																		
2M	30		1 3⁄8	1⁄2	5⁄8	5	2 1⁄2	25	9 1⁄2																		6.25
3	36		1 5⁄8	5⁄8	3⁄4	6	3	30	11 3⁄8																		9.0
4	48		2 1⁄4	3⁄4	1	8	4	40	15 1⁄4																		16.0
5																											

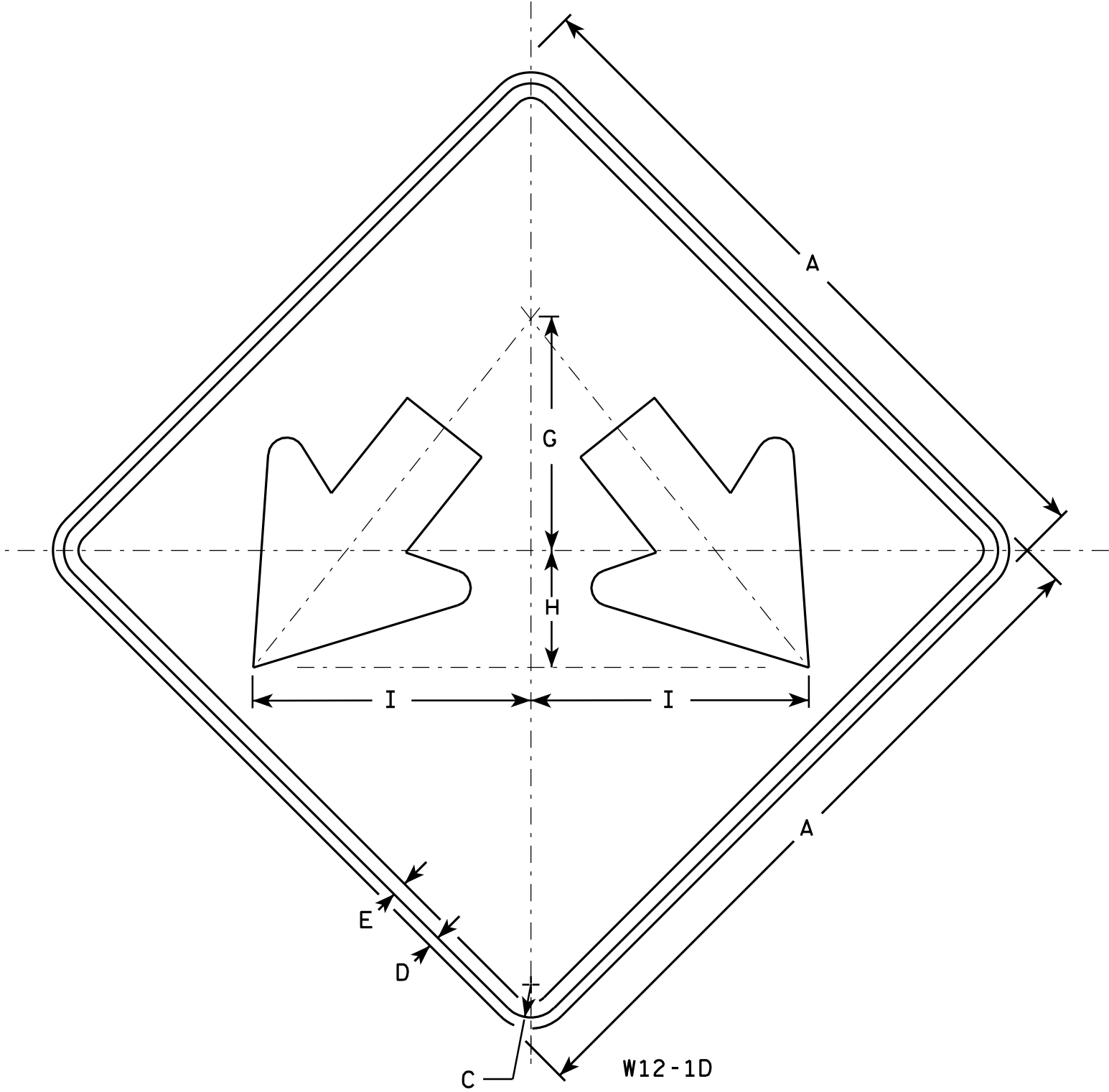
STANDARD SIGN
W2-7L

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

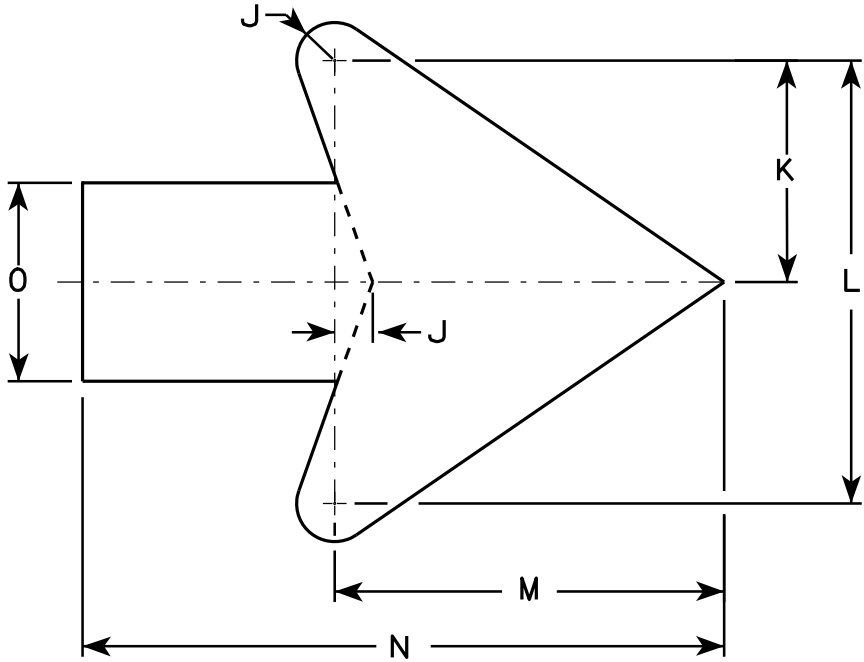
DATE 5/29/12 PLATE NO. W2-7L.2

PROJECT NO: HWY: COUNTY: SHEET NO: 218 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

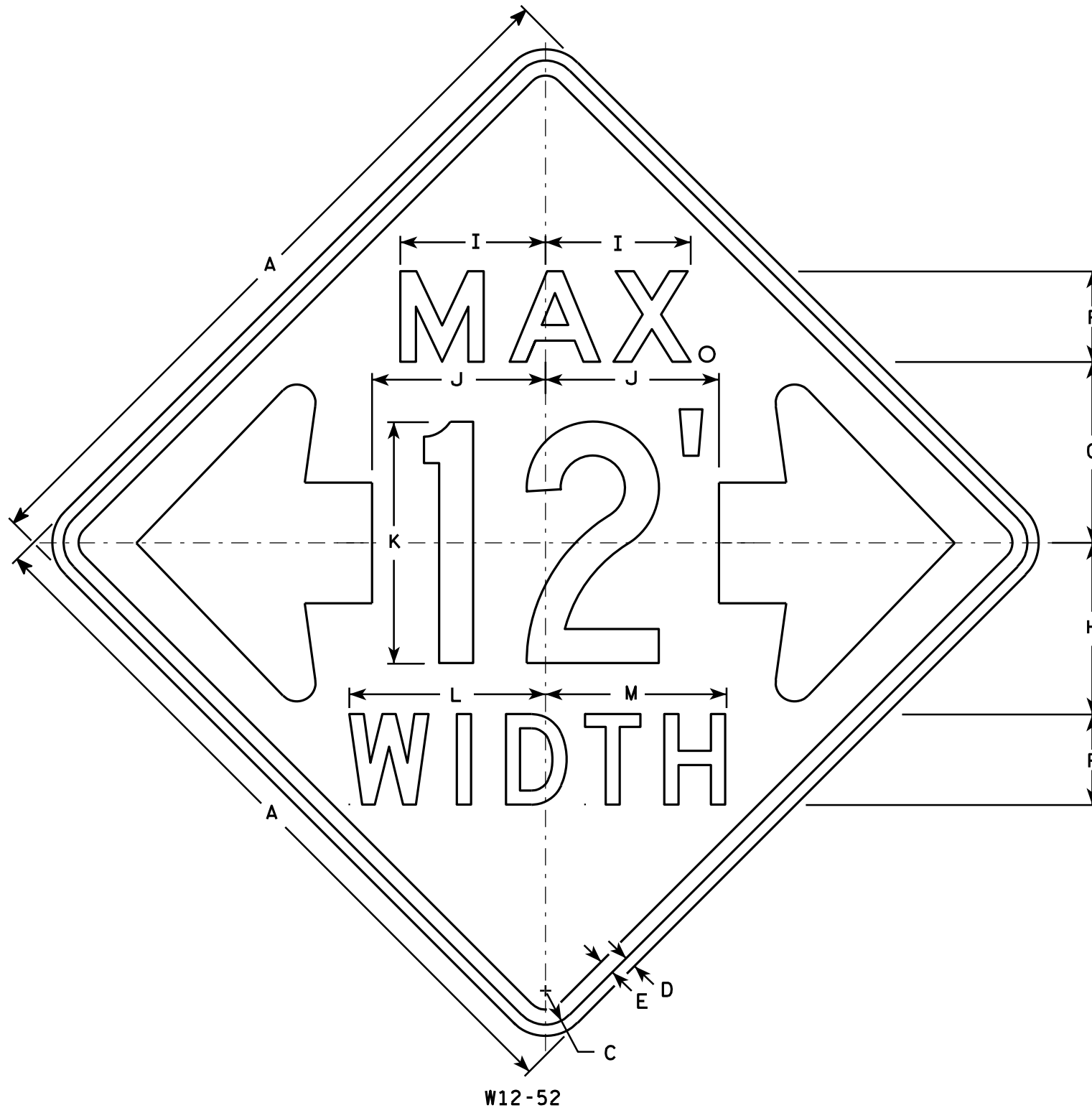
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
2M	24		1 1/8	1/2	3/8		8	4	9 1/2	3/8	3 3/8	7 1/4	6 3/8	10 3/8	3 1/4												4.0
3	30		1 3/8	1/2	5/8		10	5	11 7/8	3/4	4 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

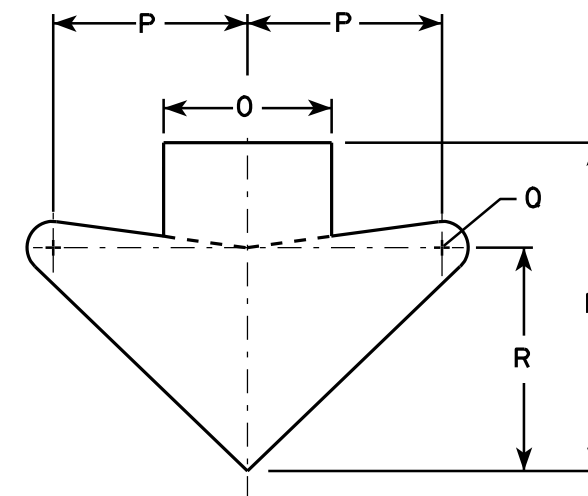
APPROVED
Matthew R. Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W12-1D.15



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. The top line is series E, the numerals are series C, and the bottom line is series D.
6. Substitute appropriate numerals and adjust spacing as required.



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	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
2M	48		2 1/4	3/4	1	6	12	11 3/8	9 5/8	11 1/2	16	13	12	15 5/8	8	9 1/4	1 1/4	10 5/8									16.0
3																											
4																											
5																											

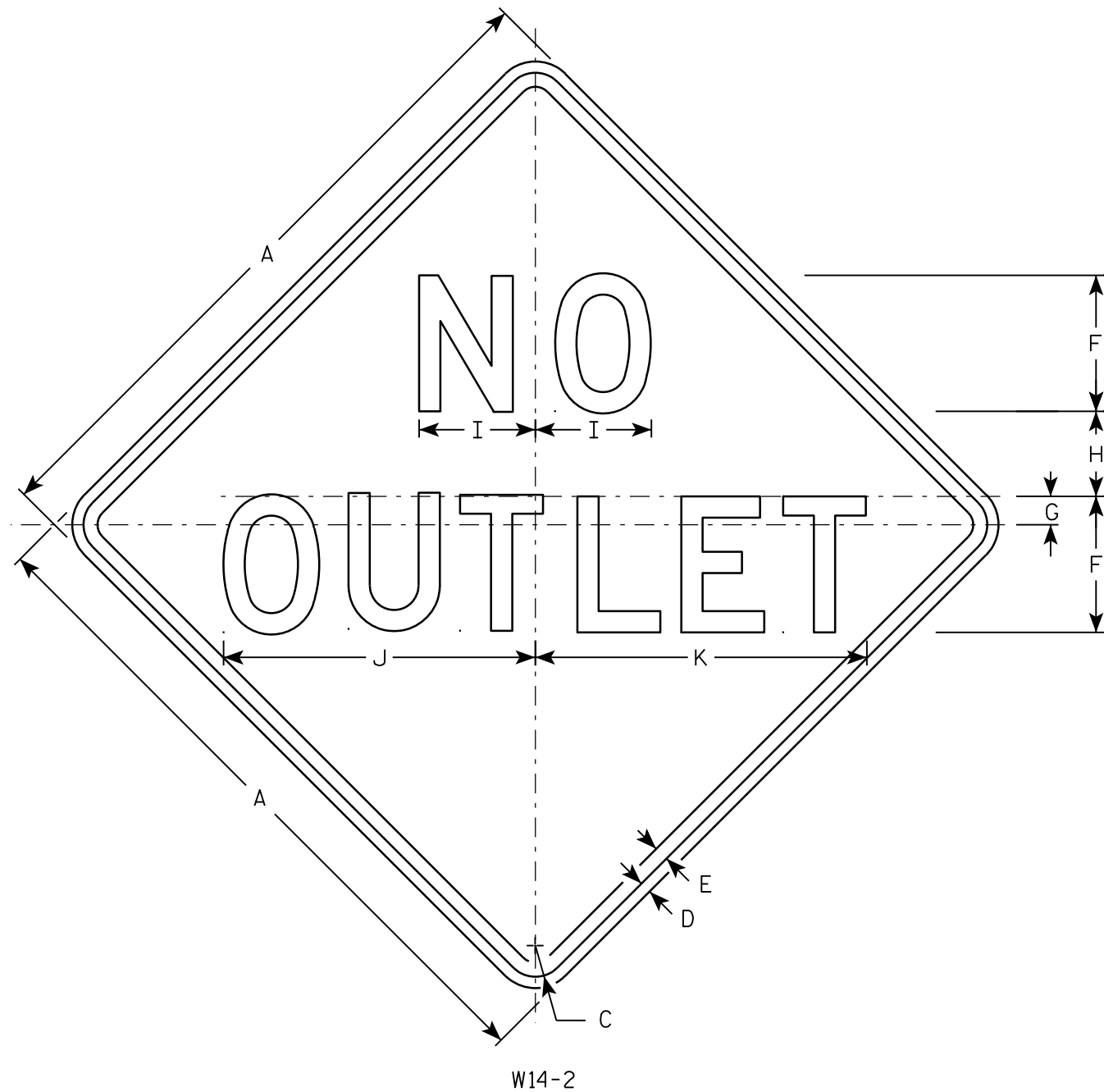
STANDARD SIGN W12-52

WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
For State Traffic Engineer

DATE 3/16/11 PLATE NO. W12-52.7

PROJECT NO: HWY: COUNTY: SHEET NO: 220 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. 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	24		1 1/8	3/8	1/2	5	1	2 3/4	4 1/8	11 3/4	12 3/8																4.0
2S	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
2M	30		1 3/8	1/2	5/8	6	1 1/4	3 3/4	5 1/8	13 3/4	14 5/8																6.25
3	36		1 5/8	5/8	3/4	7	1 3/8	4 5/8	6	16 1/8	17 1/8																9.0
4																											
5																											

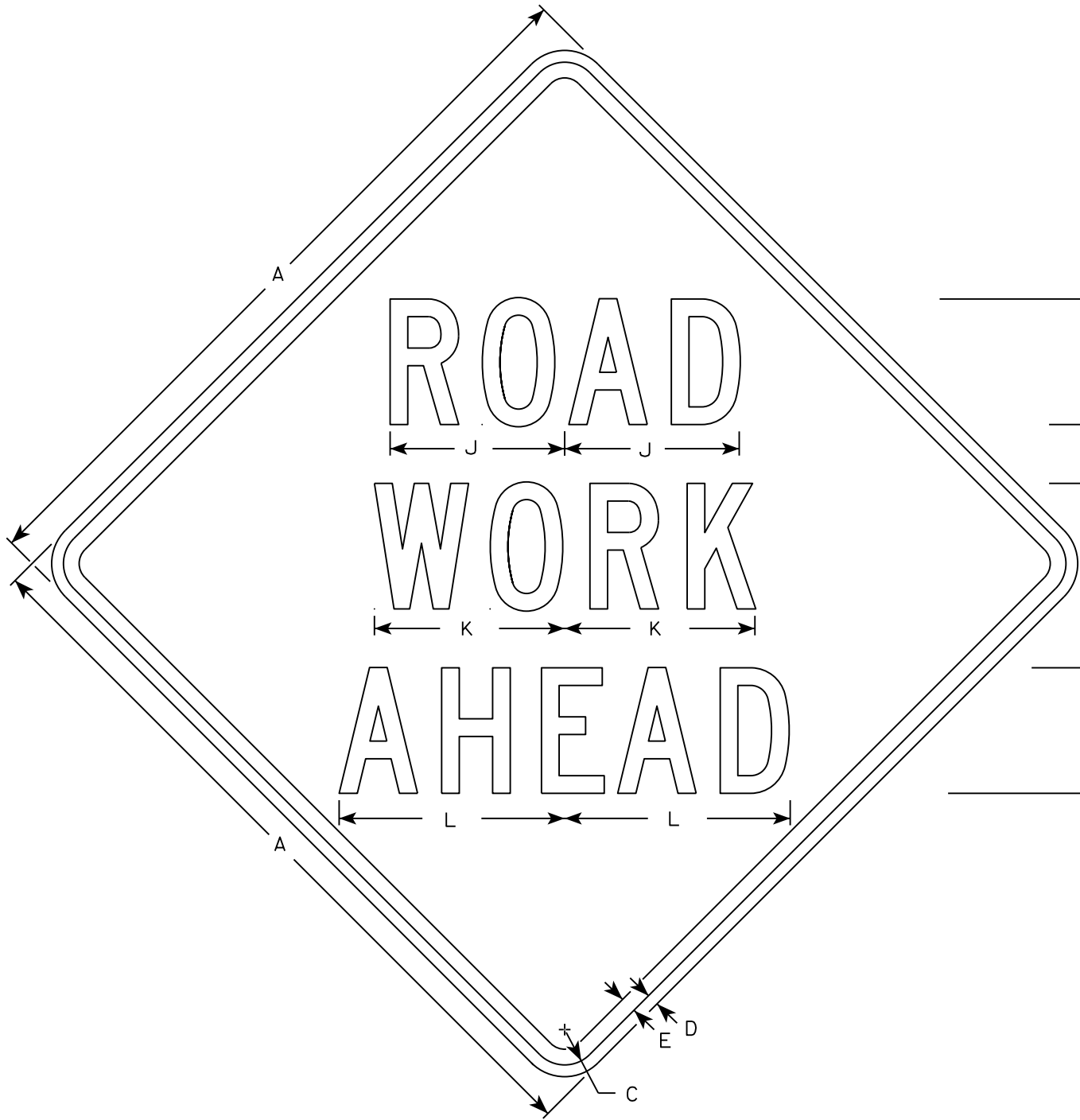
STANDARD SIGN

W14-2

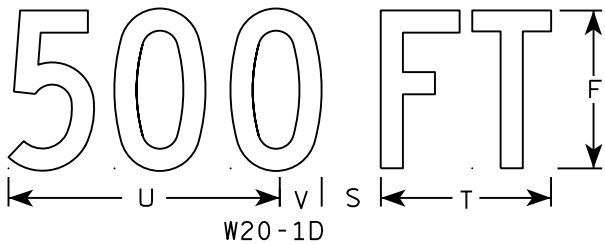
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

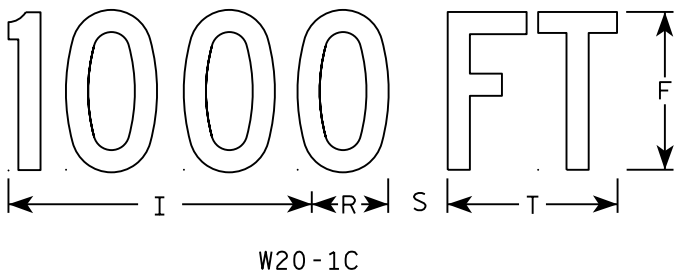
DATE 3/13/13 PLATE NO. W14-2.3



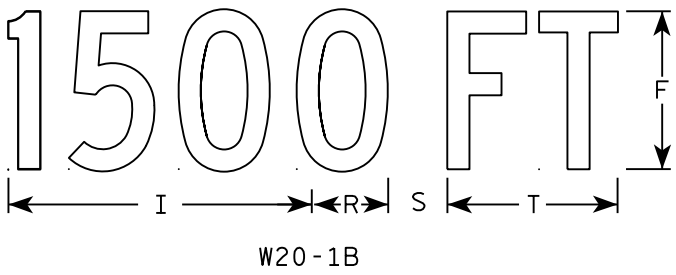
W20-1A



W20-1D



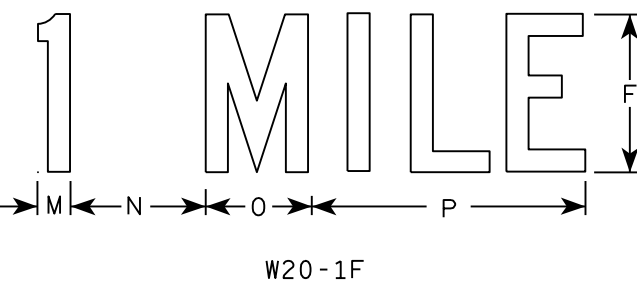
W20-1C



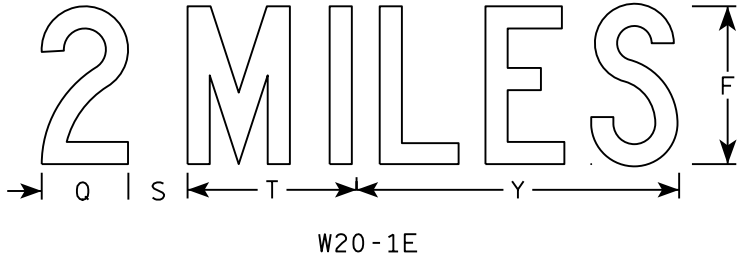
W20-1B



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

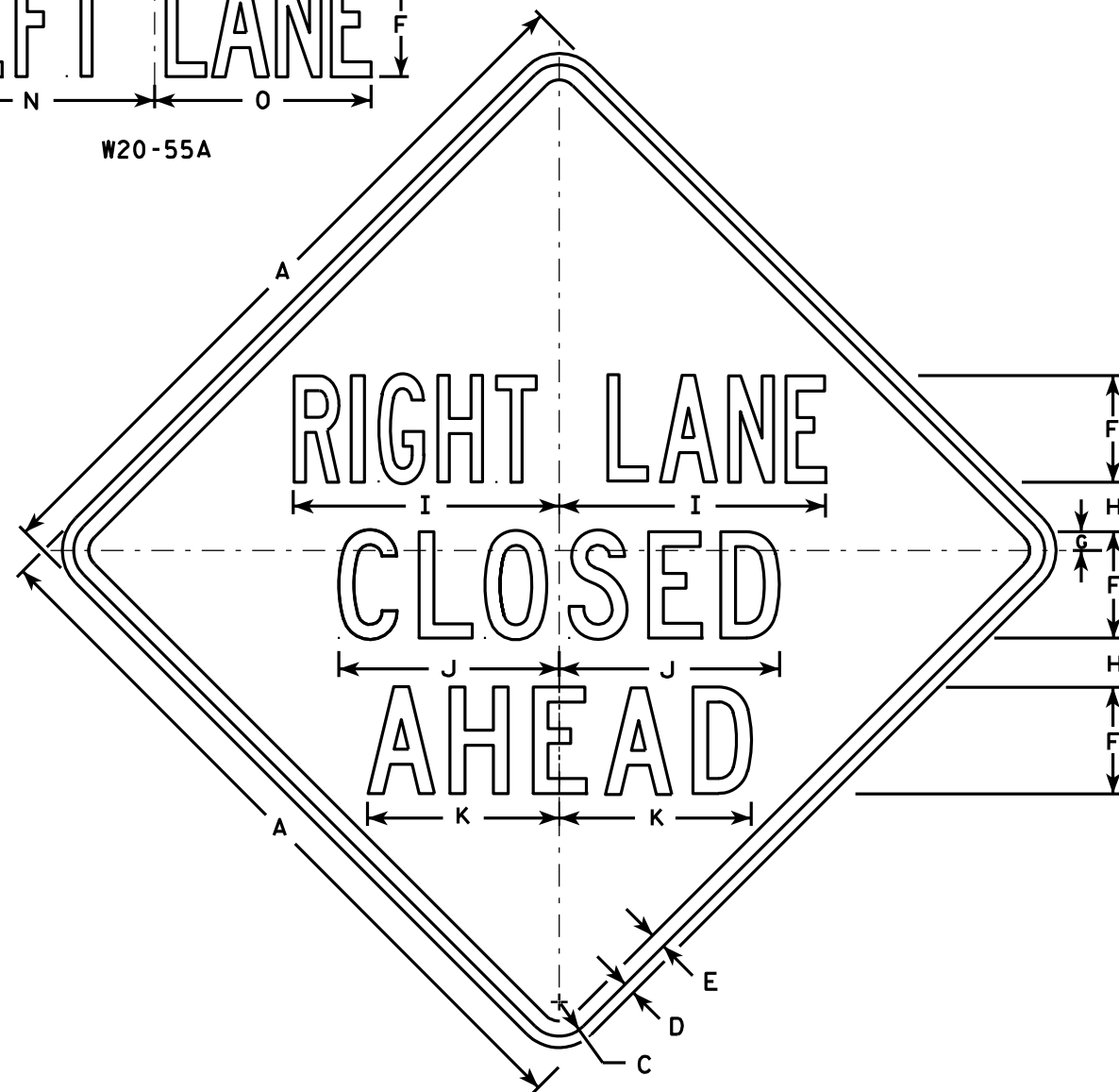
222

CENTER LANE

W20-56A

LEFT LANE

W20-55A



W20-5A

500 FT

W20-5D

1000 FT

W20-5C

1500 FT

W20-5B

1/2 MILE

W20-5G

1 MILE

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	7/8	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 7/8	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

PROJECT NO:

HWY:

COUNTY:

STANDARD SIGN
W20-5A, B, C, D, F & G

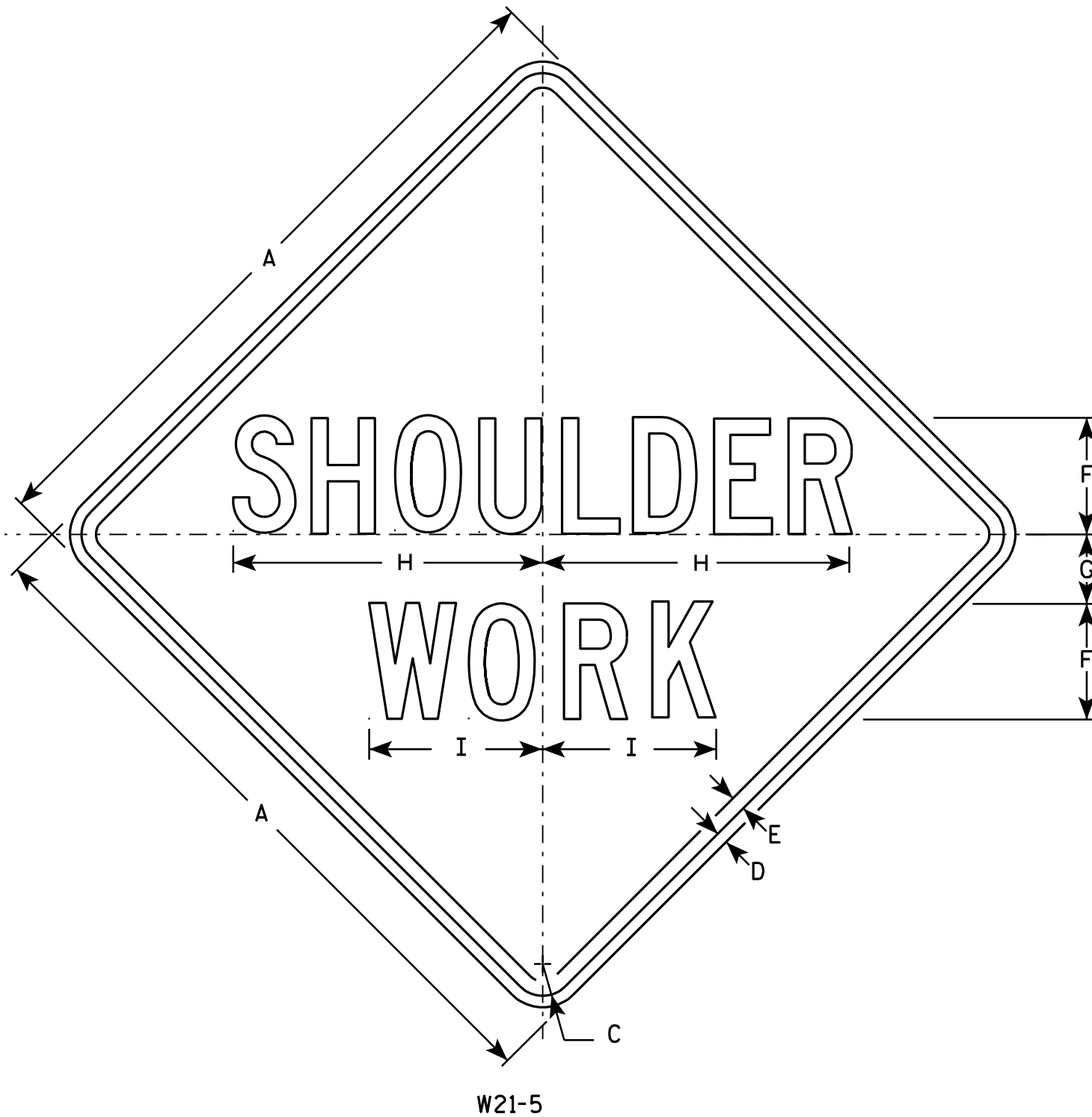
WISCONSIN DEPT OF TRANSPORTATION

APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 3/18/11 PLATE NO. W20-5.11

SHEET NO: 223

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 - 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.

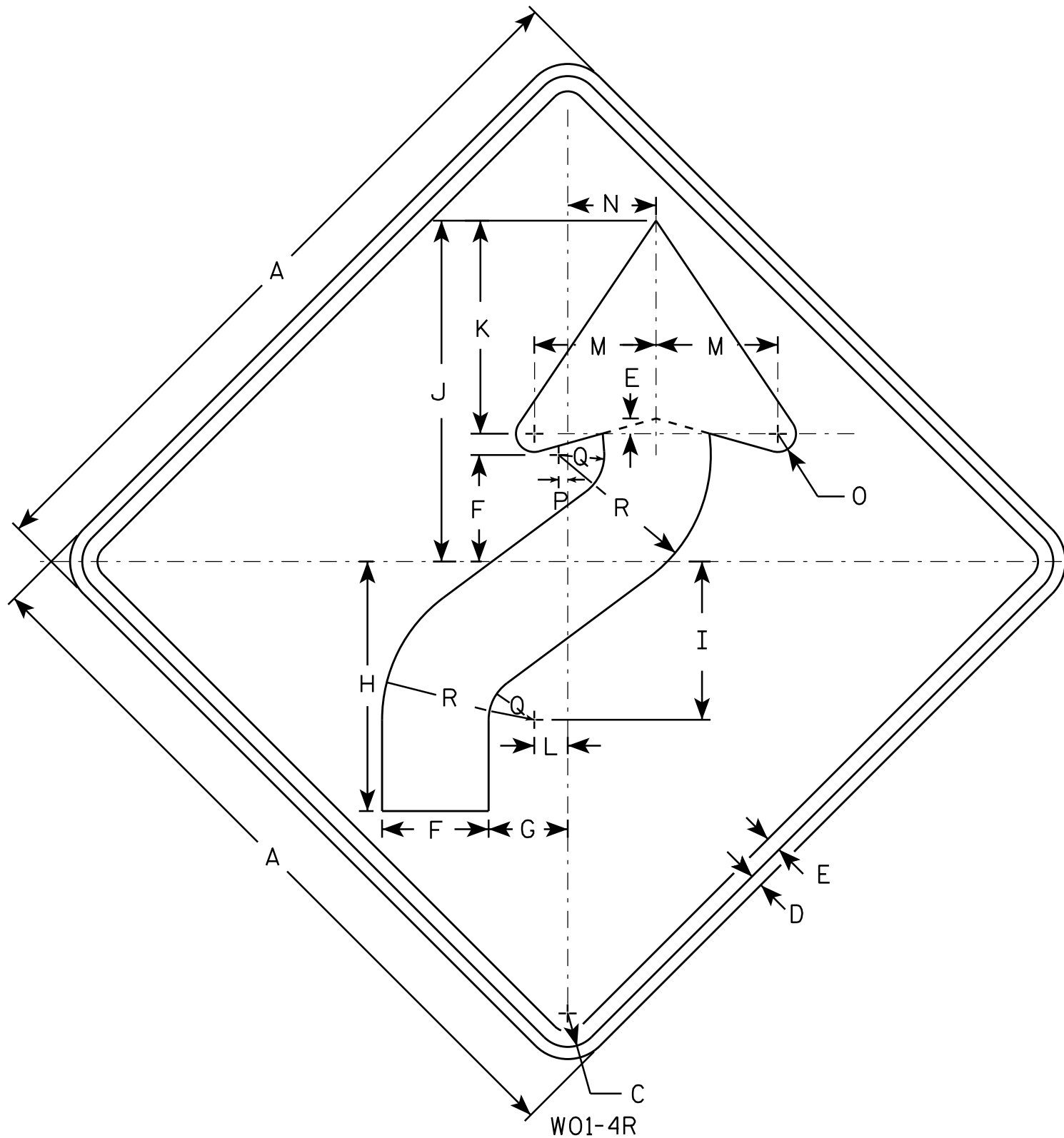
SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	4	2 1/2	10 3/4	6																		4.0
2S	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
2M	30		1 3/8	1/2	5/8	5	3	13 3/8	7 1/2																		6.25
3	36		1 5/8	5/8	3/4	6	3 1/2	16	9																		9.0
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: 224 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 - 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
225

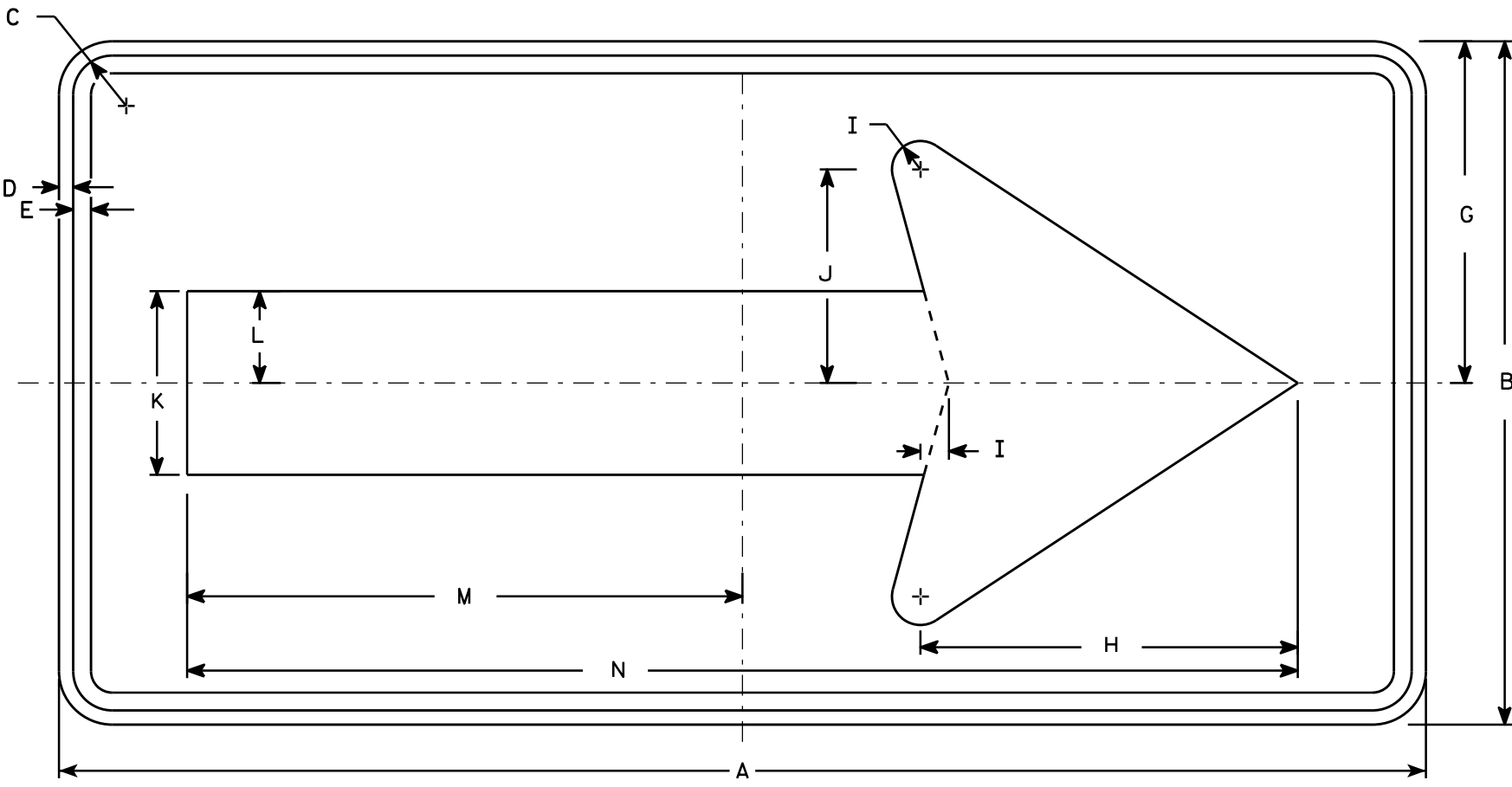
PROJECT NO:

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

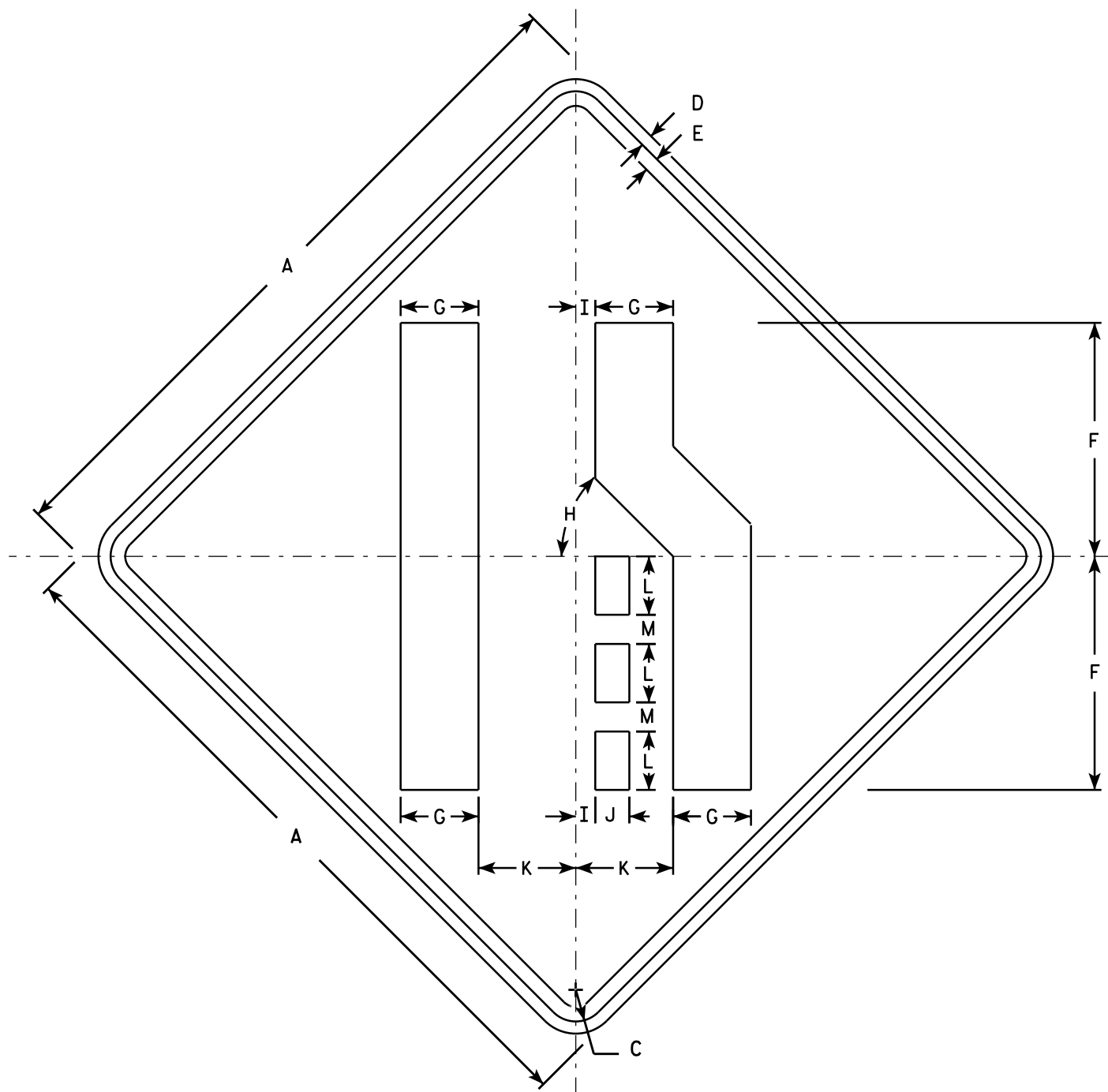
DATE 11/18/13 PLATE NO. 226 W01-6.1

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

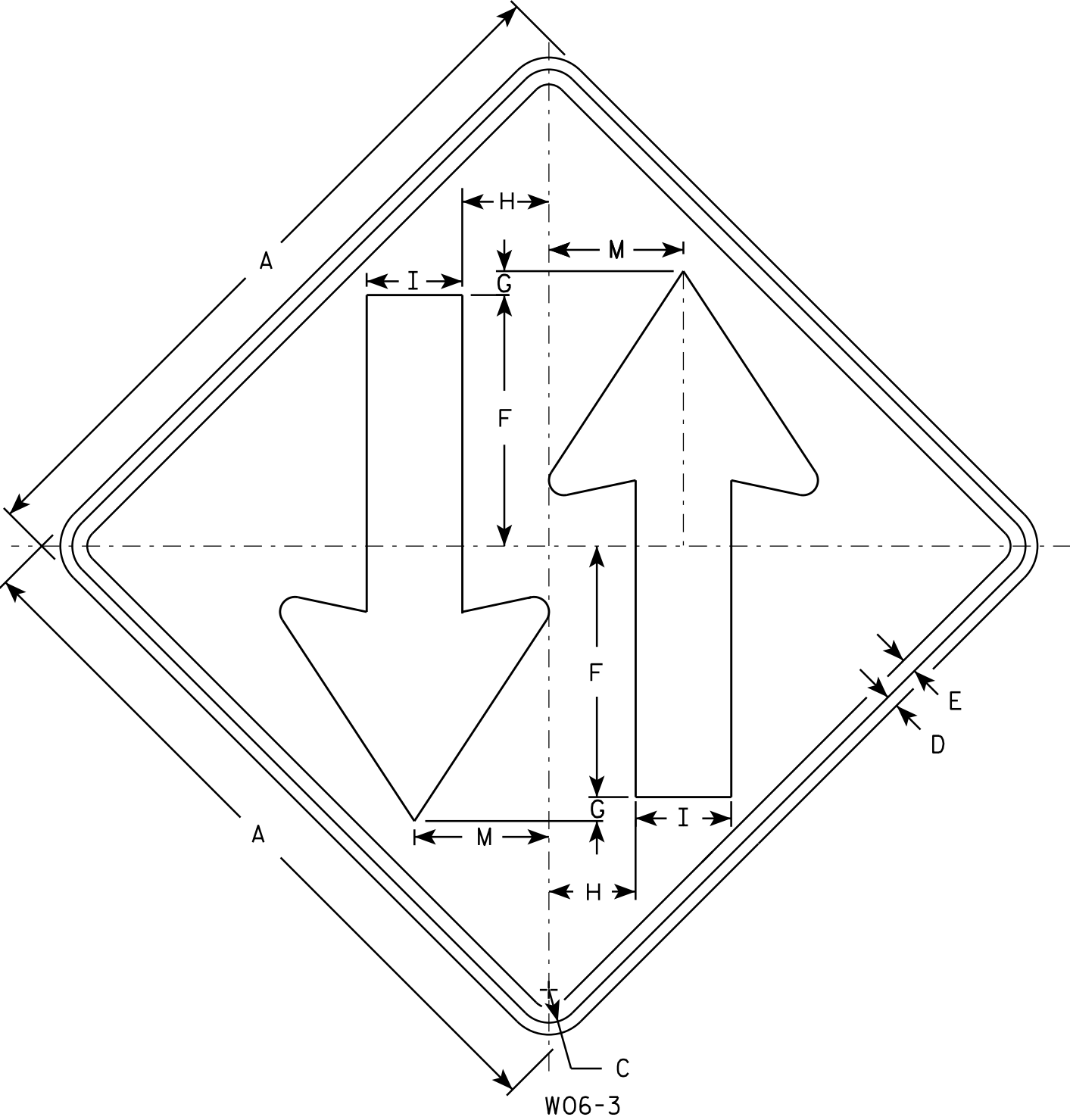
DATE 11/20/13

PLATE 227

104-2.1

SHEET NO:

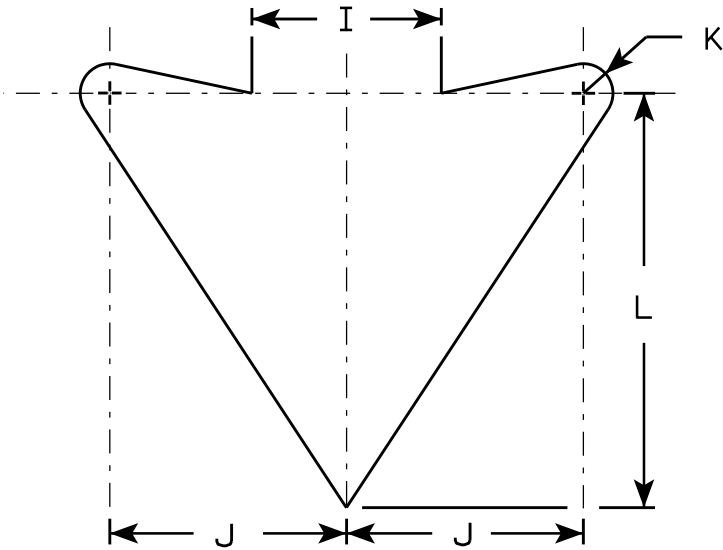
E



W06-3

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.



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	36		1 5⁄8	5⁄8	¾	12	1	4 1⁄4	5	6	¾	10 1⁄2	6 ¾														9.0
2S	48		2 1⁄4	¾	1	15 1⁄2	1	6	6	8	1	14	9														16.0
2M	48		2 1⁄4	¾	1	15 1⁄2	1	6	6	8	1	14	9														16.0
3	48		2 1⁄4	¾	1	15 1⁄2	1	6	6	8	1	14	9														16.0
4	48		2 1⁄4	¾	1	15 1⁄2	1	6	6	8	1	14	9														16.0
5	48		2 1⁄4	¾	1	15 1⁄2	1	6	6	8	1	14	9														16.0

PROJECT NO:

HWY:

COUNTY:

SHEET NO:

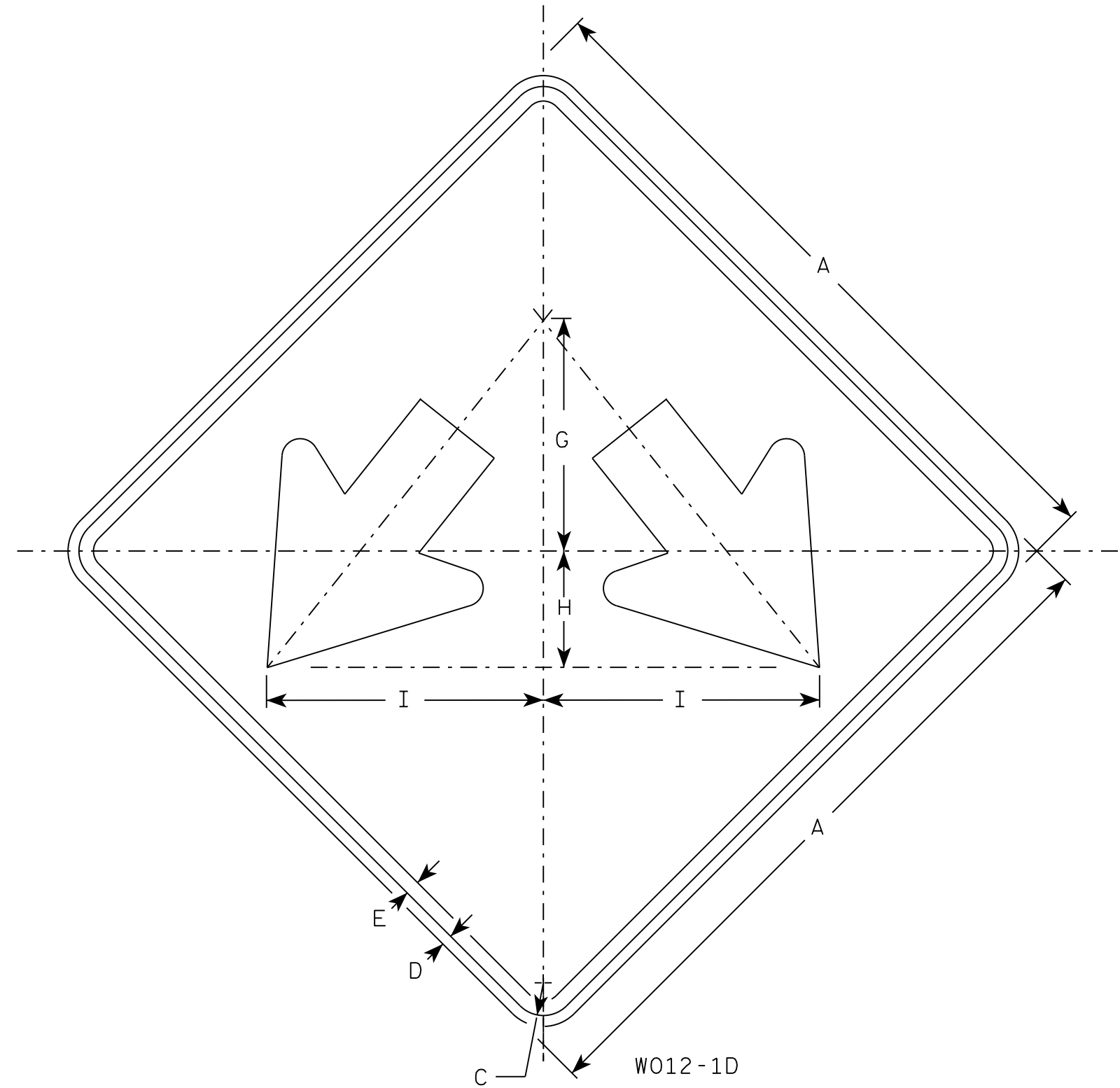
E

STANDARD SIGN
W06 - 3

WISCONSIN DEPT OF TRANSPORTATION

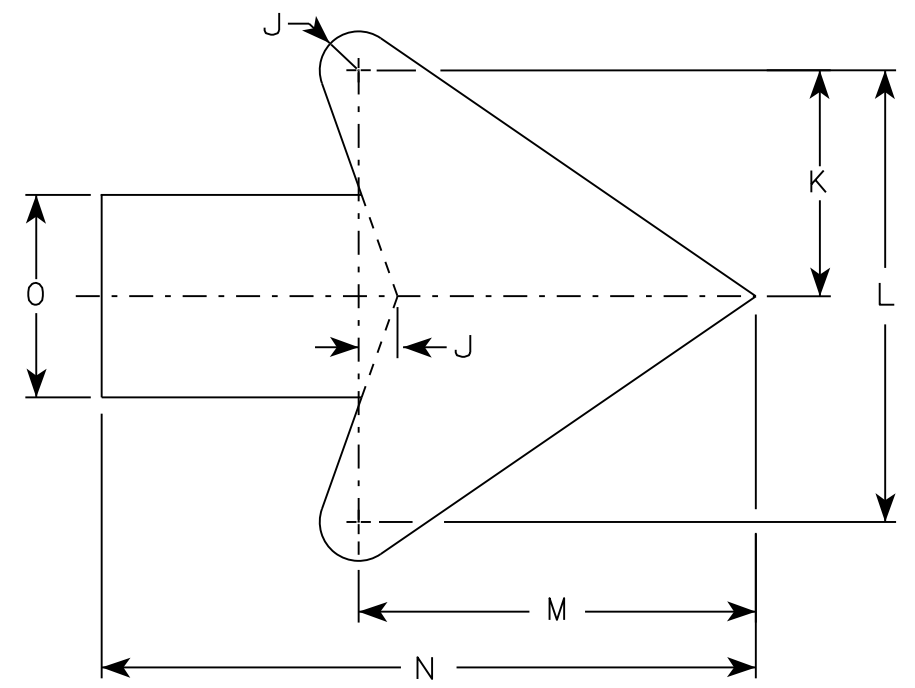
APPROVED *Matthew R. Rauch*
for State Traffic Engineer

DATE 11/20/13 PLATE 228 "06-3.1



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		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
229

SHEET NO: **E**

		7 MILE ROAD - WESTBOUND (STAGE 4B)									
		AREA (SF)			INCREMENTAL VOL (CY)			CUMULATIVE VOL (CY)			
		CUT	EBS	FILL	CUT	EBS	FILL	CUT	EBS	FILL	
STATION	Distance	CUT	EBS	FILL	CUT	EBS	FILL	CUT	EBS	FILL	MASS ORDINATE
341+50	0.00	47	0	8	0	0	0	0	0	0	0
342+00	50.00	52	17	19	91	16	24	91	16	24	67
342+50	50.00	37	17	13	82	32	30	173	48	54	120
343+00	50.00	26	17	11	58	32	23	231	80	76	155
343+50	50.00	22	17	10	44	32	20	275	112	96	179
344+00	50.00	38	17	12	55	32	21	331	144	117	214
344+50	50.00	63	17	13	94	32	23	425	176	141	284
345+00	50.00	77	17	11	130	32	22	554	208	163	392
345+50	50.00	124	17	6	186	32	16	740	240	178	562
346+00	50.00	42	0	0	153	16	6	894	256	184	709
346+50	50.00	161	0	0	187	0	0	1,081	256	185	896
347+00	50.00	11	0	50	159	0	46	1,240	256	230	1,010
347+50	50.00	58	0	0	64	0	46	1,304	256	276	1,028
348+00	50.00	60	0	0	109	0	0	1,413	256	276	1,136
348+50	50.00	62	0	0	113	0	0	1,526	256	276	1,250
349+00	50.00	67	0	0	120	0	0	1,646	256	276	1,370
349+50	50.00	148	0	0	199	0	0	1,845	256	276	1,568
350+00	50.00	418	0	0	524	0	0	2,368	256	276	2,092
350+50	50.00	423	0	0	779	0	0	3,147	256	276	2,871
351+00	50.00	272	0	0	644	0	0	3,791	256	276	3,514
351+50	50.00	203	0	0	439	0	0	4,230	256	276	3,954
352+00	50.00	166	17	1	342	16	1	4,572	272	278	4,294
352+50	50.00	101	17	3	248	32	4	4,819	304	282	4,538
352+77	27.00	62	17	1	82	17	2	4,901	321	284	4,617
353+00	23.00	39	17	4	43	15	2	4,944	336	286	4,658
353+50	50.00	22	17	21	56	32	24	5,000	368	310	4,690
7 MILE ROAD - WESTBOUND (STAGE 4B)					5,000	368	310	5,000	368	310	4,690

		RAMP NE									MASS ORDINATE		
		AREA (SF)			INCREMENTAL VOL (CY)			CUMULATIVE VOL (CY)					
		Cut	EBS	FILL	Cut	EBS	FILL	CUT	EBS	FILL			
STATION	DISTANCE	1242NE+20	0.00	230	0	0	0	0	0	0.0	0.0	0	
		1242NE+50	30.00	335	0	0	314	0	0	314	0.0	0.0	314
		1242NE+55	5.00	347	0	0	63	0	0	377	0.0	0.0	377
RAMP NE						377	0	0	377	0	0	377	

		7 MILE ROAD - EASTBOUND (STAGE 4C)									
		AREA (SF)			INCREMENTAL VOL (CY)			CUMULATIVE VOL (CY)			
		Cut	EBS	Fill	Cut	EBS	Fill	Cut	EBS	Fill	
STATION	Distance										MASS ORDINATE
343+50	0.00	47	13	28	0	0	0	0	0	0	0
344+00	50.00	43	16	24	83	27	47	83	27	47	36
344+50	50.00	48	7	26	85	21	46	168	48	93	75
345+00	50.00	45	11	29	86	16	51	254	64	145	110
345+50	50.00	58	14	10	95	22	36	349	86	181	168
346+00	50.00	44	0	0	94	13	9	443	99	190	253
346+50	50.00	59	0	1	95	0	1	537	99	191	346
347+00	50.00	69	0	0	118	0	1	655	99	192	463
347+50	50.00	86	0	0	144	0	0	799	99	192	607
348+00	50.00	116	0	0	187	0	0	986	99	192	794
348+50	50.00	134	0	0	231	0	0	1,217	99	192	1,025
349+00	50.00	131	0	0	245	0	0	1,462	99	192	1,270
349+50	50.00	123	0	0	236	0	0	1,698	99	192	1,506
350+00	50.00	272	0	0	366	0	0	2,064	99	192	1,872
350+50	50.00	139	0	1	380	0	1	2,444	99	193	2,251
351+00	50.00	128	0	2	247	0	3	2,691	99	195	2,495
351+50	50.00	114	0	4	224	0	5	2,915	99	200	2,715
352+00	50.00	99	0	7	197	0	10	3,112	99	210	2,902
352+50	50.00	86	0	15	171	0	20	3,283	99	231	3,053
352+77	27.00	100	0	1	93	0	8	3,376	99	238	3,138
353+00	23.00	69	0	19	72	0	8	3,448	99	247	3,201
353+50	50.00	69	0	39	127	0	53	3,575	99	300	3,274
7 MILE ROAD - EASTBOUND (STAGE 4C)					3,575	99	300	3,575	99	300	3,274

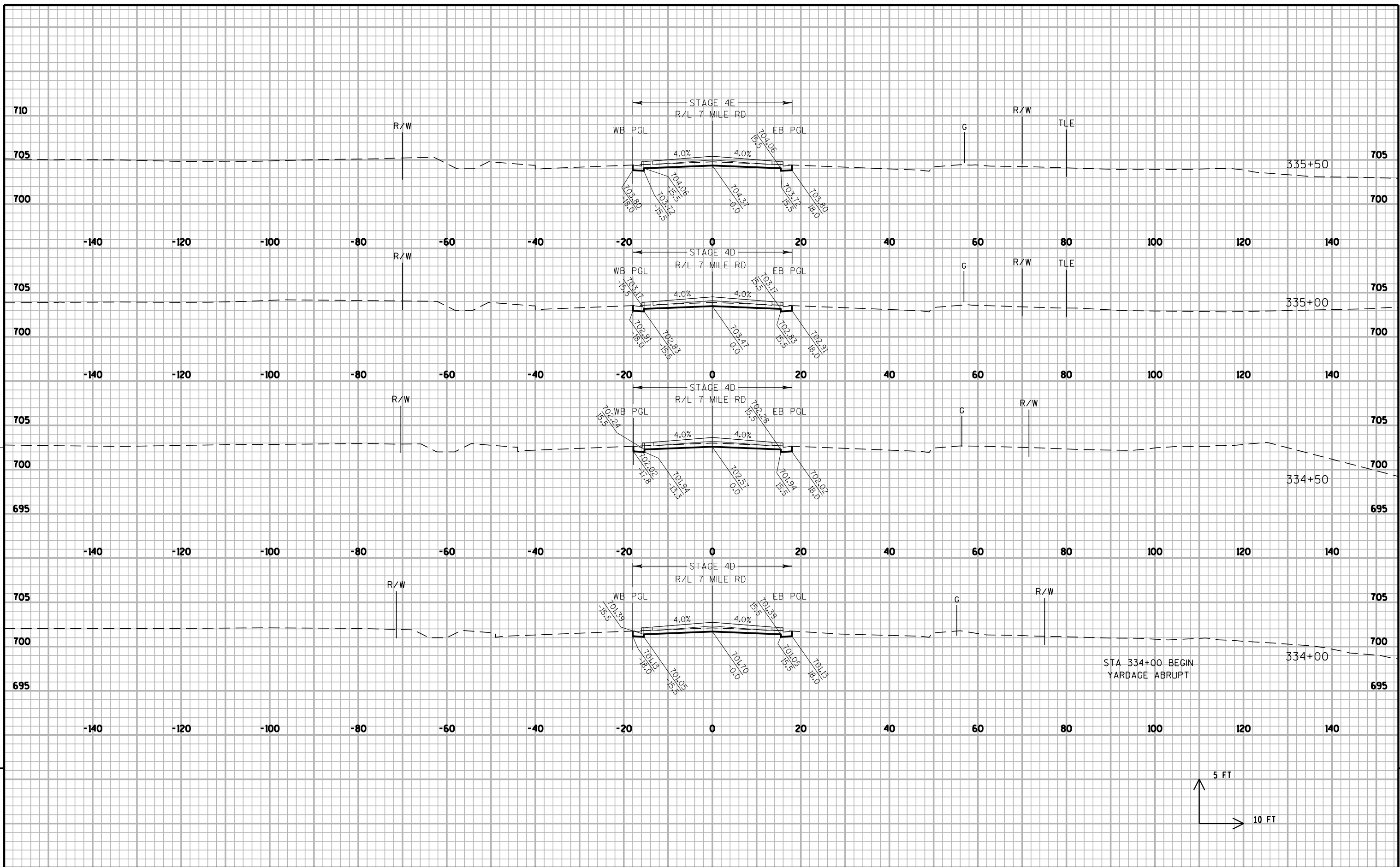
		RAMP SE									MASS ORDINATE	
		AREA (SF)			INCREMENTAL VOL (CY)			CUMULATIVE VOL (CY)				
		Cut	EBS	FILL	Cut	EBS	FILL	CUT	EBS	FILL		
STATION	DISTANCE	1240SE+76	0.00	382	0	0	0	0	0	0	0	
		1241SE+00	24.00	429	0	0	360	0	0	360	360	
		1241SE+41	41.00	507	0	0	710	0	0	1,070	1,070	
RAMP SE						1,070	0	0	1,070	0	0	1,070

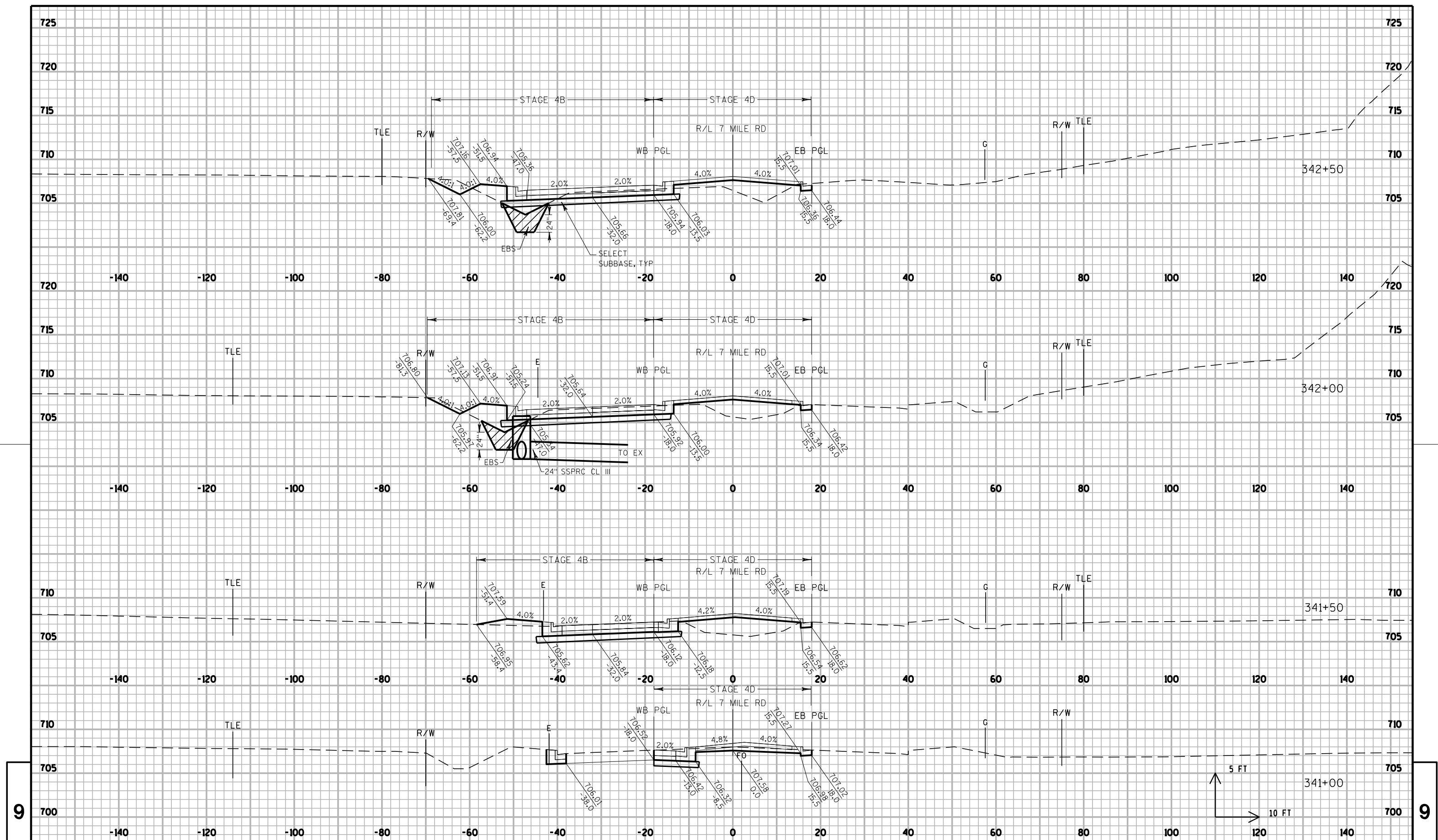
		7 MILE ROAD - MEDIAN (STAGE 4D)								
		AREA (SF)			INCREMENTAL VOL (CY)			CUMULATIVE VOL (CY)		
		CUT	EBS	FILL	CUT	EBS	FILL	CUT	EBS	FILL
STATION	DISTANCE									MASS ORDINATE
334+00	0.00	16	0	0	0	0	0	0	0	0
334+50	50.00	16	0	0	30	0	0	30	0	0
335+00	50.00	16	0	0	30	0	0	60	0	0
335+35	35.00	16	0	0	21	0	0	81	0	0
337+25	0.00	76	0	0	0	0	0	0	0	0
337+50	25.00	76	0	0	70	0	0	70	0	0
338+00	50.00	78	0	0	143	0	0	213	0	0
338+50	50.00	75	0	0	141	0	0	354	0	0
339+00	50.00	70	0	0	134	0	0	488	0	0
339+50	50.00	55	0	0	115	0	0	604	0	0
340+00	50.00	35	0	0	83	0	0	686	0	0
340+50	50.00	29	0	0	59	0	0	745	0	0
341+00	50.00	37	0	1	61	0	1	806	0	1
341+50	50.00	12	0	37	45	0	35	851	0	36
342+00	50.00	8	0	32	19	0	64	870	0	100
342+50	50.00	9	0	28	16	0	56	886	0	156
343+00	50.00	6	0	33	14	0	57	900	0	213
343+50	50.00	8	0	33	13	0	61	913	0	275
344+00	50.00	10	0	33	17	0	61	930	0	336
344+50	50.00	10	0	33	18	0	61	948	0	397
345+00	50.00	9	0	31	17	0	59	964	0	456
345+50	50.00	7	0	33	15	0	59	979	0	515
346+00	50.00	29	17	8	33	16	38	1,013	16	553
346+50	50.00	26	0	1	50	16	8	1,063	32	561
347+00	50.00	48	0	0	68	0	1	1,131	32	562
347+50	50.00	94	0	0	132	0	0	1,263	32	562
348+00	50.00	114	0	0	192	0	0	1,456	32	562
348+50	50.00	124	0	0	220	0	0	1,676	32	562
349+00	50.00	134	0	0	239	0	0	1,914	32	562
349+50	50.00	146	0	0	259	0	0	2,173	32	562
350+00	50.00	39	0	7	171	0	6	2,344	32	568
350+50	50.00	47	17	7	79	16	13	2,423	48	581
351+00	50.00	36	16	7	77	30	13	2,499	79	594
351+50	50.00	23	17	4	54	30	10	2,553	108	604
352+00	50.00	17	0	6	37	15	9	2,590	124	614
352+50	50.00	46	11	0	59	10	6	2,649	133	619
353+00	50.00	51	10	0	90	19	0	2,739	152	619
353+50	50.00	48	13	0	92	21	0	2,830	173	619
354+00	50.00	38	15	1	79	26	0	2,910	199	620
355+50	0.00	76	0	0	0	0	0	0	0	0
356+00	50.00	75	0	0	140	0	0	140	0	0
356+50	50.00	67	0	0	132	0	0	272	0	0
357+00	50.00	77	0	0	134	0	0	406	0	0
357+50	50.00	71	0	0	137	0	0	543	0	0
358+00	50.00	67	0	0	128	0	0	671	0	0
358+50	50.00	76	0	0	132	0	0	803	0	0

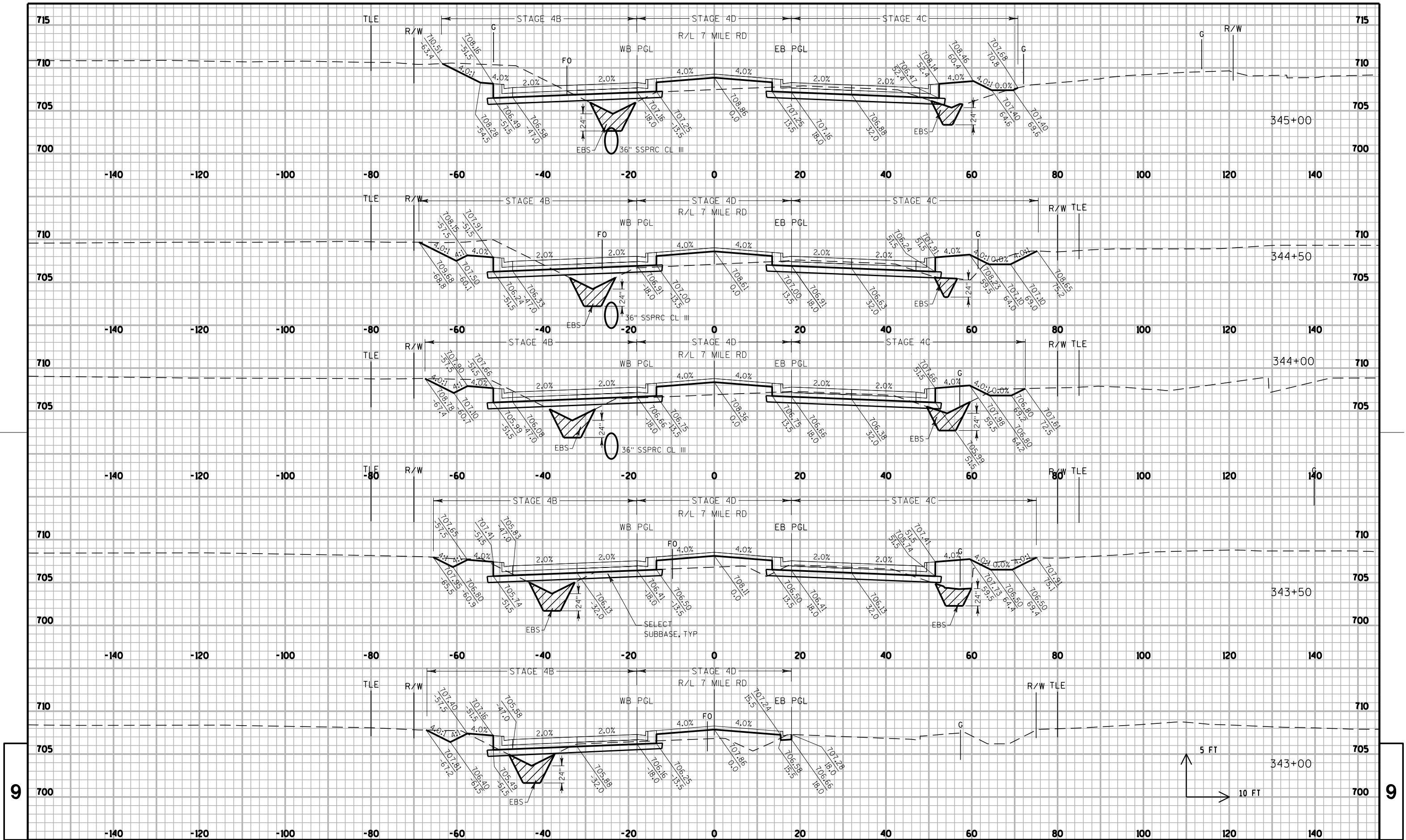
		7 MILE ROAD - MEDIAN (STAGE 4D)									
		AREA (SF)			INCREMENTAL VOL (CY)			CUMULATIVE VOL (CY)			MASS ORDINATE
		CUT	EBS	FILL	CUT	EBS	FILL	CUT	EBS	FILL	
STATION	DISTANCE										
360+36	0.00	72	0	0	0	0	0	0	0	0	0
360+50	14.00	67	0	0	36	0	0	36	0	0	36
361+00	50.00	56	0	0	114	0	0	150	0	0	150
361+50	50.00	46	0	0	110	0	0	260	0	0	260
362+00	50.00	34	0	0	74	0	0	334	0	0	334
362+50	50.00	23	0	0	52	0	0	386	0	0	386
7 MILE ROAD - MEDIAN (STAGE 4D)					4,180	199	620	4,180	199	620	3,560

		7 MILE ROAD - MEDIAN (STAGE 4E)									
		AREA (SF)			INCREMENTAL VOL (CY)			CUMULATIVE VOL (CY)			MASS ORDINATE
		CUT	EBS	FILL	CUT	EBS	FILL	CUT	EBS	FILL	
STATION	DISTANCE										
335+35	0.00	16	0	0	0	0	0	0	0	0	0
335+50	15.00	16	0	0	9	0	0	9	0	0	9
336+00	50.00	28	0	0	40	0	0	49	0	0	49
336+50	50.00	23	0	0	46	0	0	96	0	0	96
337+00	50.00	77	0	0	92	0	0	188	0	0	188
337+25	25.00	77	0	0	71	0	0	259	0	0	259
354+00	0.00	36	0	1	0	0	0	0	0	0	0
354+50	50.00	22	0	0	54	0	0	54	0	0	54
355+00	50.00	76	0	0	91	0	0	145	0	0	145
355+50	50.00	76	0	0	141	0	0	286	0	0	286
358+50	0.00	76	0	0	0	0	0	0	0	0	0
359+00	50.00	23	0	0	91	0	0	91	0	0	91
359+50	50.00	23	0	0	42	0	0	133	0	0	133
360+00	50.00	75	0	0	90	0	0	223	0	0	223
360+36	36.00	67	0	0	94	0	0	317	0	0	317
7 MILE ROAD - MEDIAN (STAGE 4E)					862	0	0	862	0	0	862

		EAST FRONTAGE RD - BERM REMOVAL									
		AREA (SF)			INCREMENTAL VOL (CY)			CUMULATIVE VOL (CY)			MASS ORDINATE
		CUT	EBS	FILL	CUT	EBS	FILL	CUT	EBS	FILL	
STATION	DISTANCE										
3239+25	0.00	0	0	0	0	0	0	0	0	0	0
3239+50	25.00	64	0	9	30	0	4	30	0	4	25
3240+00	50.00	51	0	7	106	0	15	136	0	19	117
3240+50	50.00	28	0	4	73	0	10	209	0	29	180
3241+00	50.00	5	0	4	31	0	7	240	0	37	203
3241+25	25.00	0	0	0	2	0	2	242	0	38	204
EAST FRONTAGE RD - BERM REMOVAL					242	0	38	242	0	38	204







PROJECT NO: 1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

CROSS SECTIONS: 7 MILE ROAD

SHEET 238

E

FILE NAME : F:\BM1-1834B 7M Road\10350172_7r\Roads\cads\7r090201_xs_7m.dgn

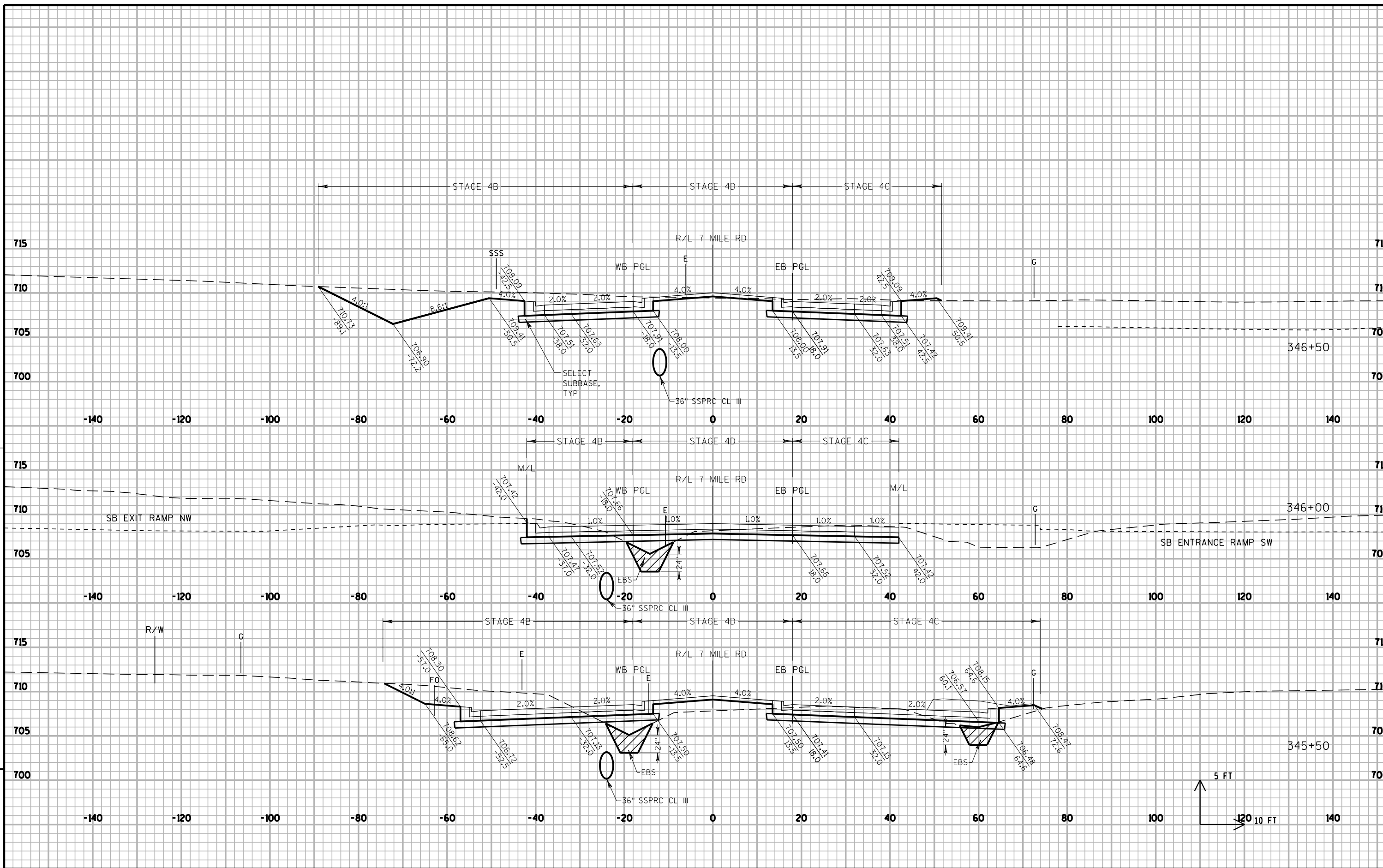
PLOT DATE : 12-JUN-2018 23:59

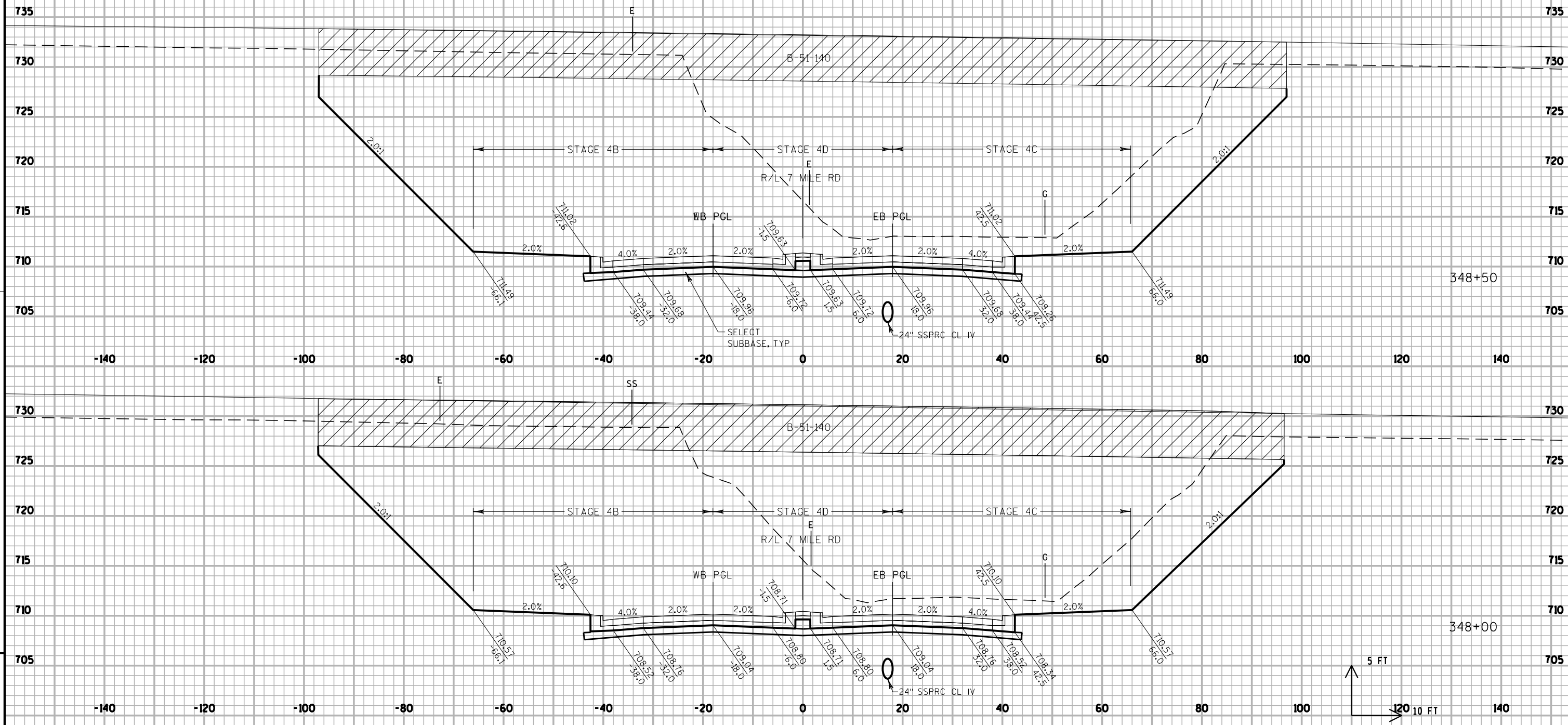
PLOT BY : scook

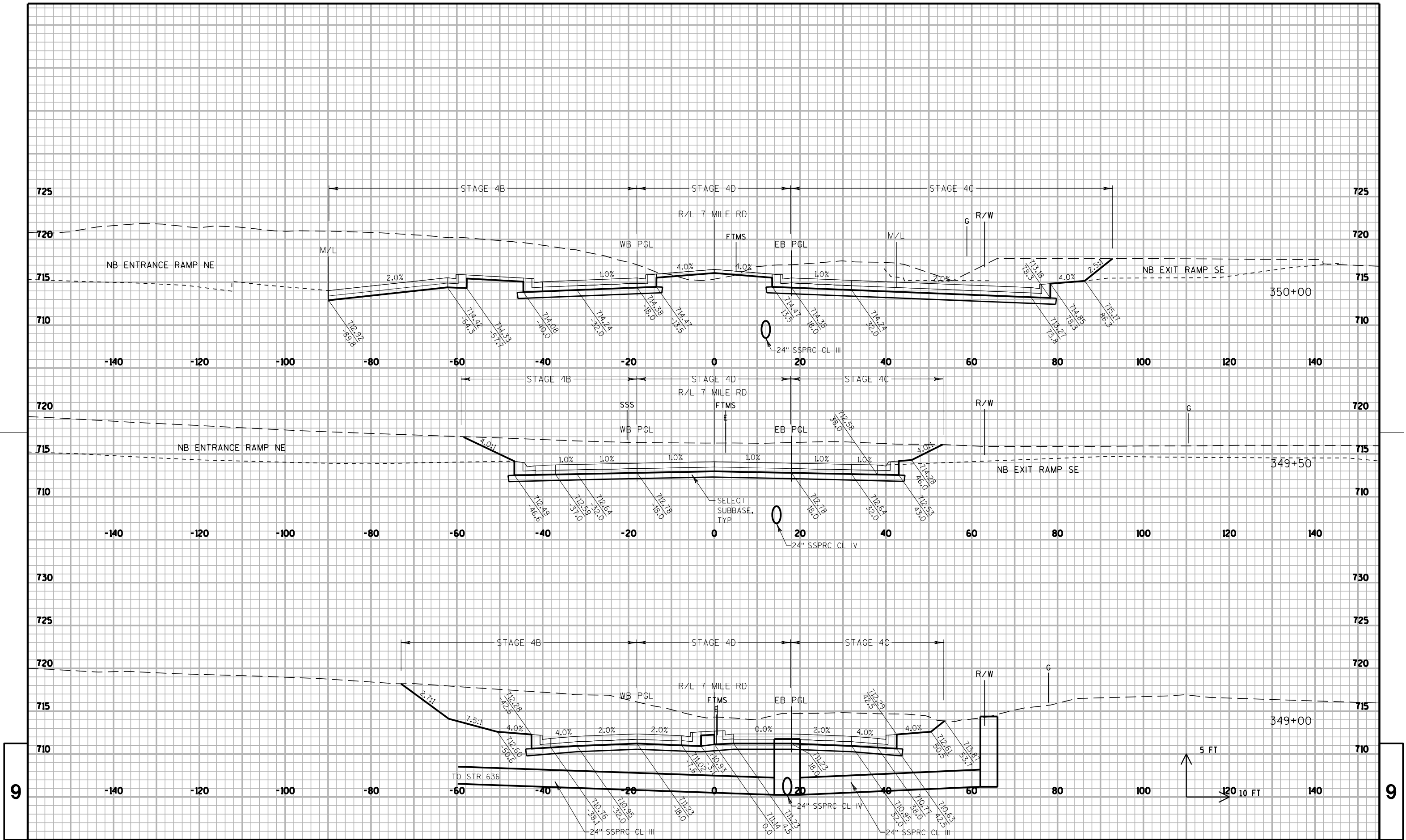
PLOT NAME :

PLOT SCALE : 20:1

WISDOT/CADDs SHEET 21







PROJECT NO: 1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY:

RACINE

CROSS SECTIONS: 7 MILE ROAD

SHEET

242

E

FILE NAME : F:\BM1-1834B 7M Road\10350172_7r\Roads\cads\7r090201_xs_7m.dgn

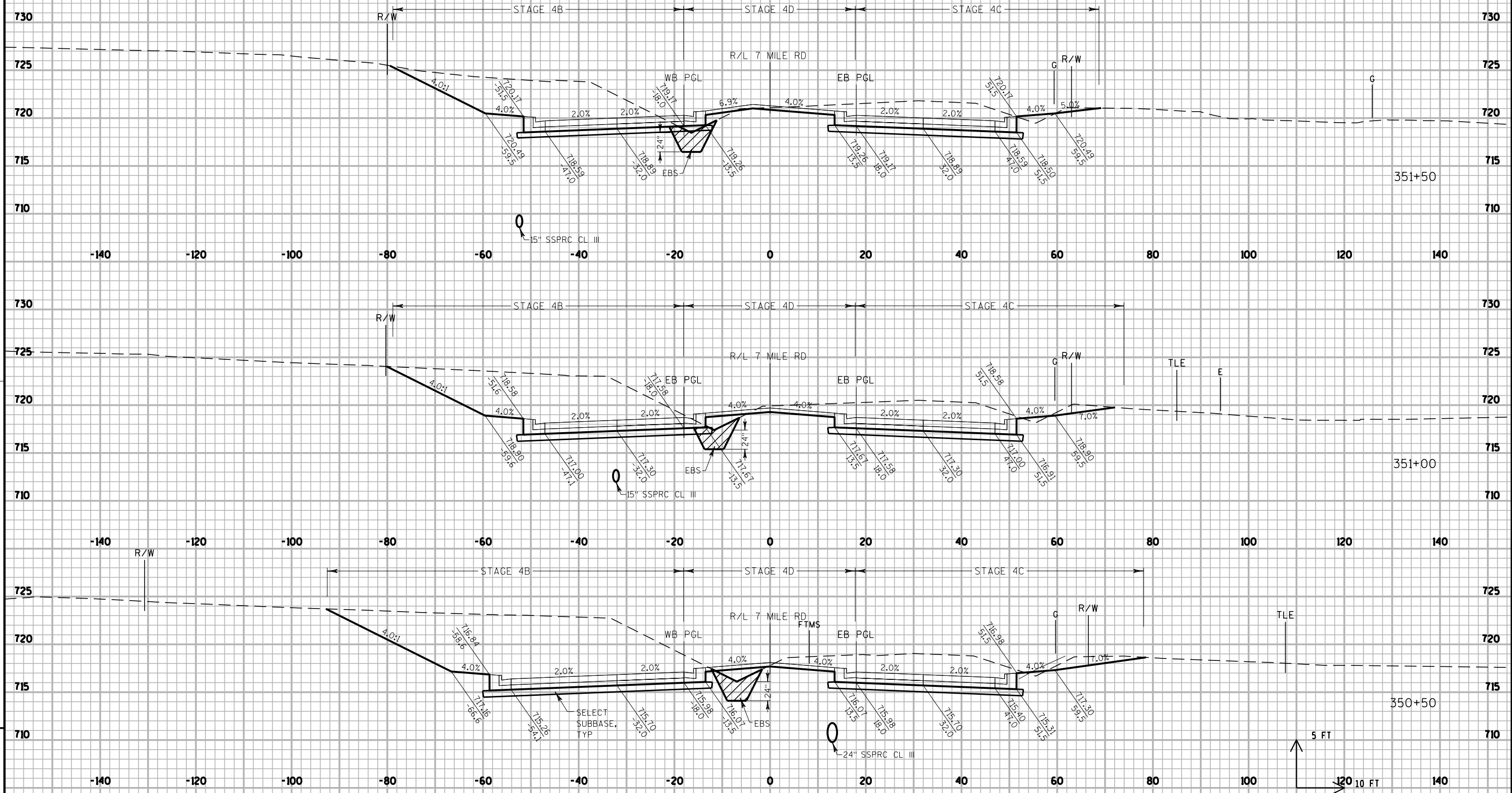
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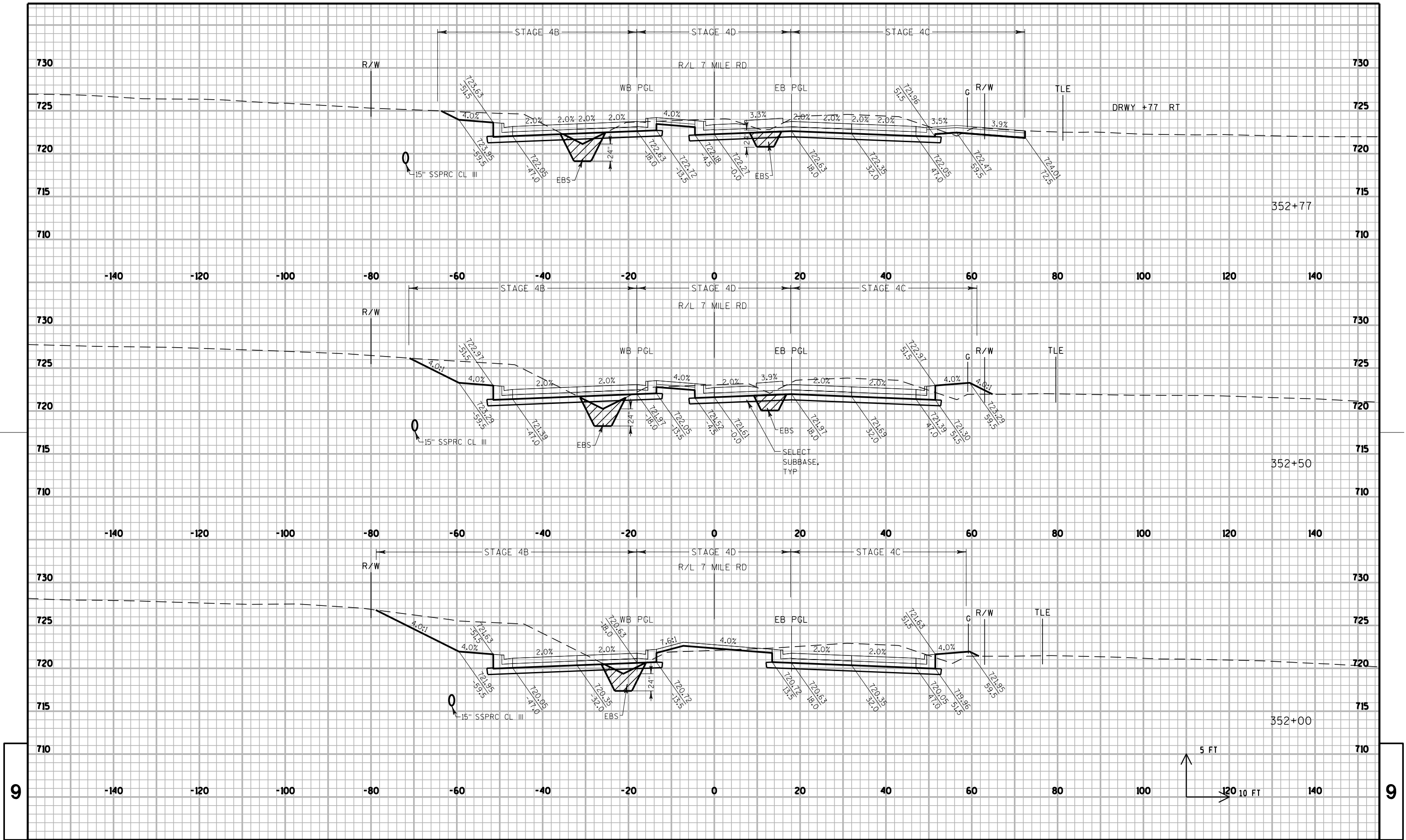
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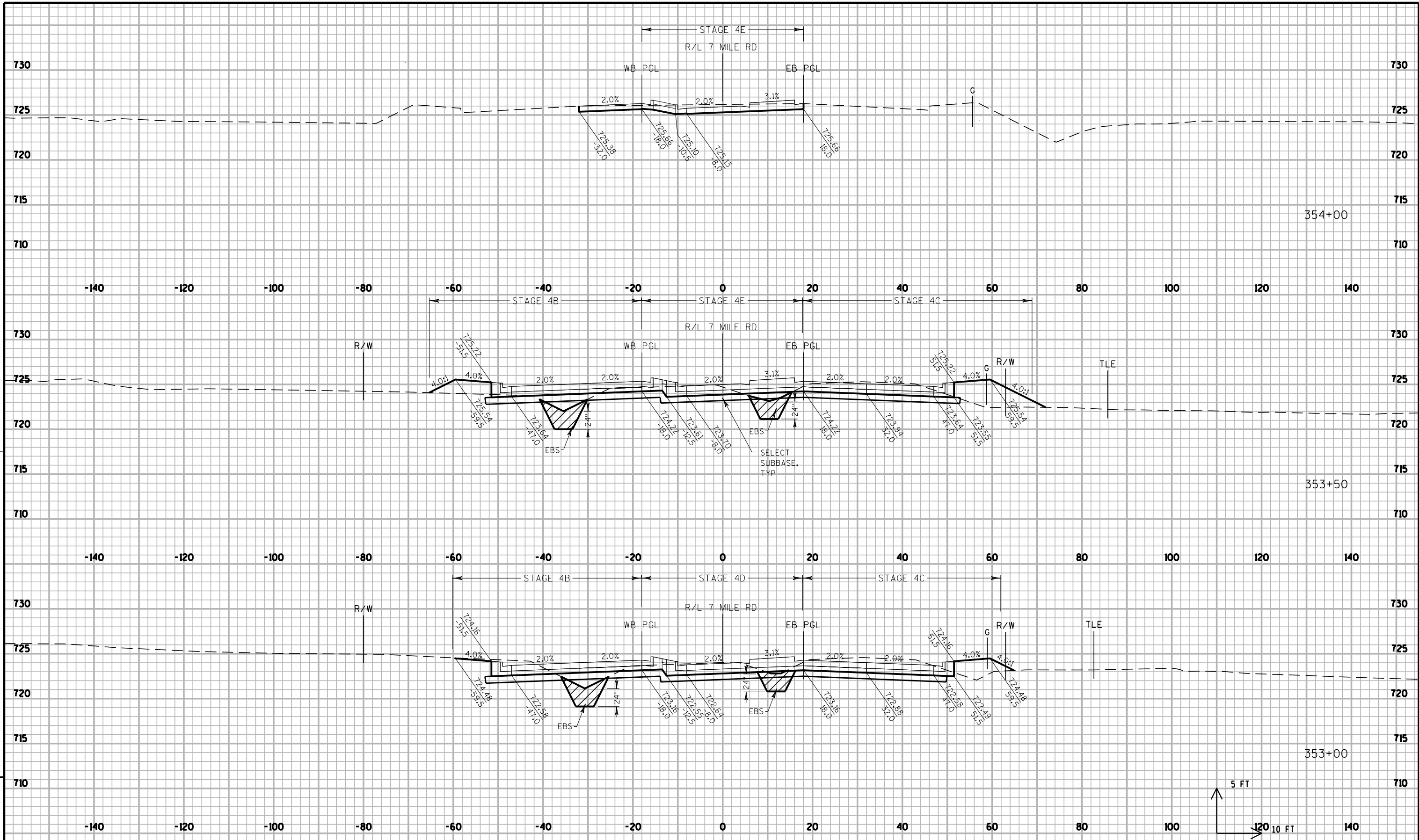
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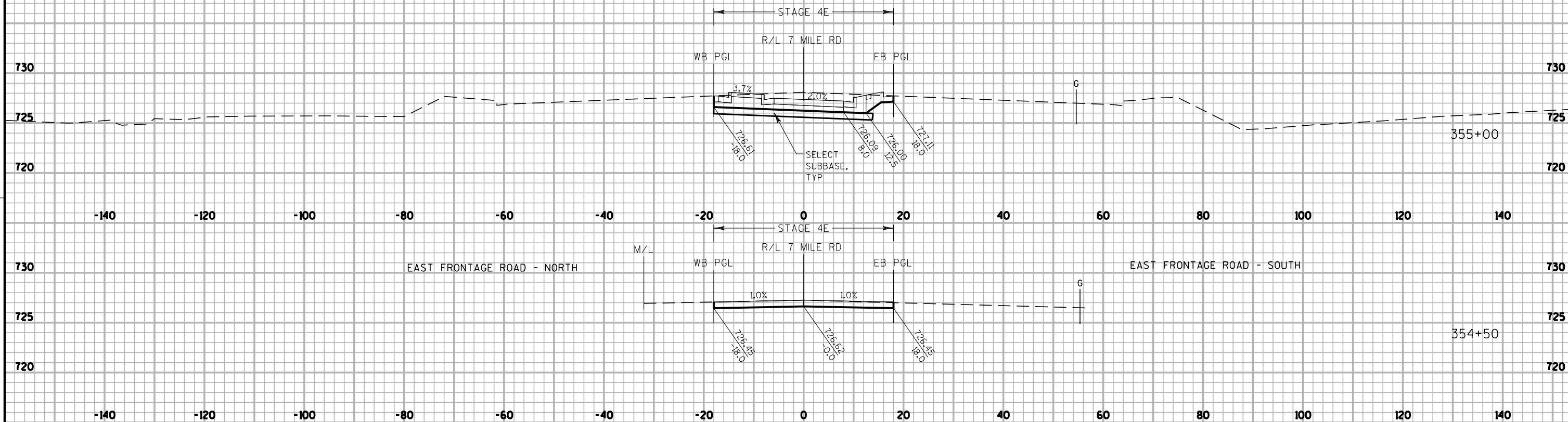
PLOT SCALE : 20:1

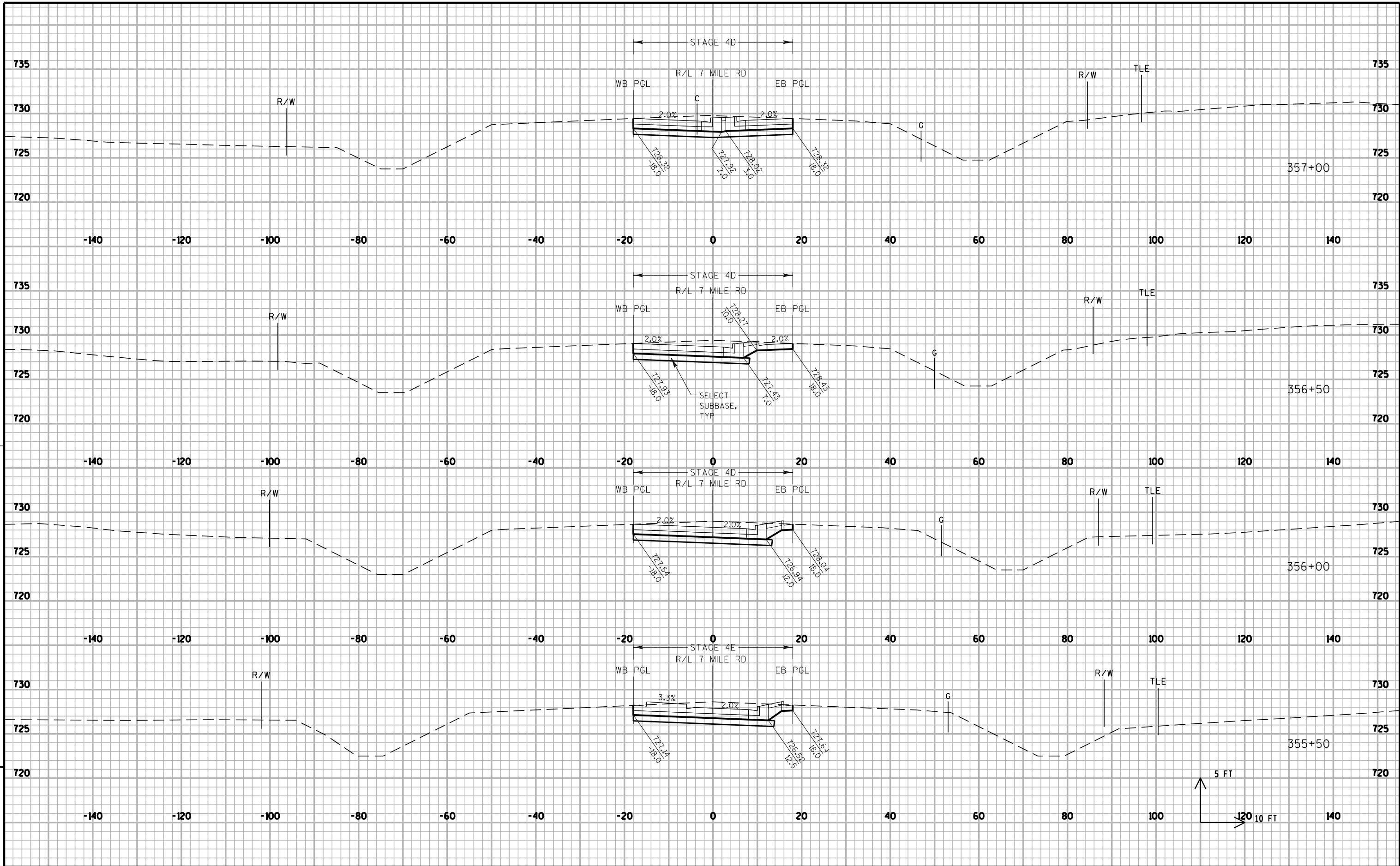
WISDOT/CADDs SHEET 21

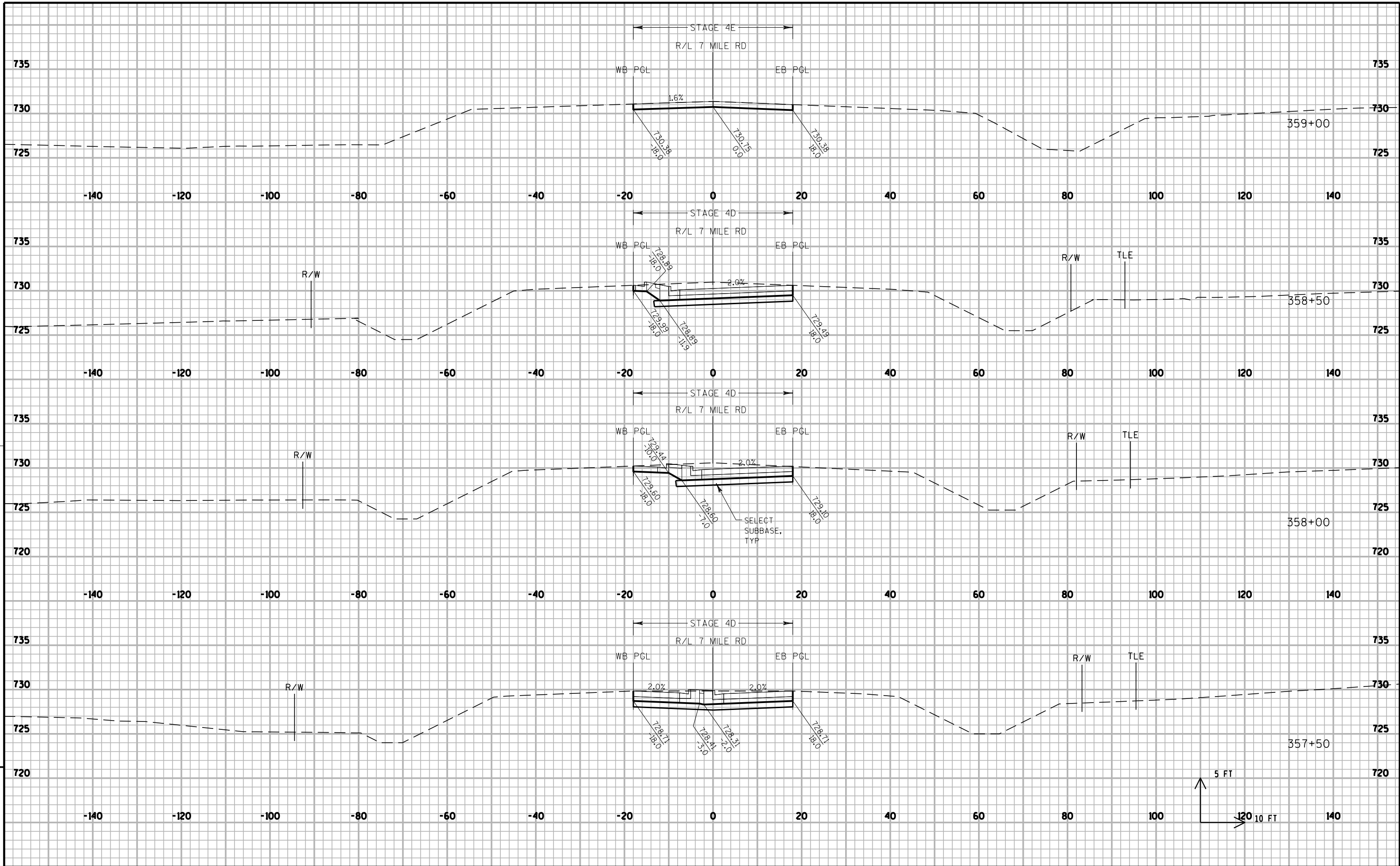


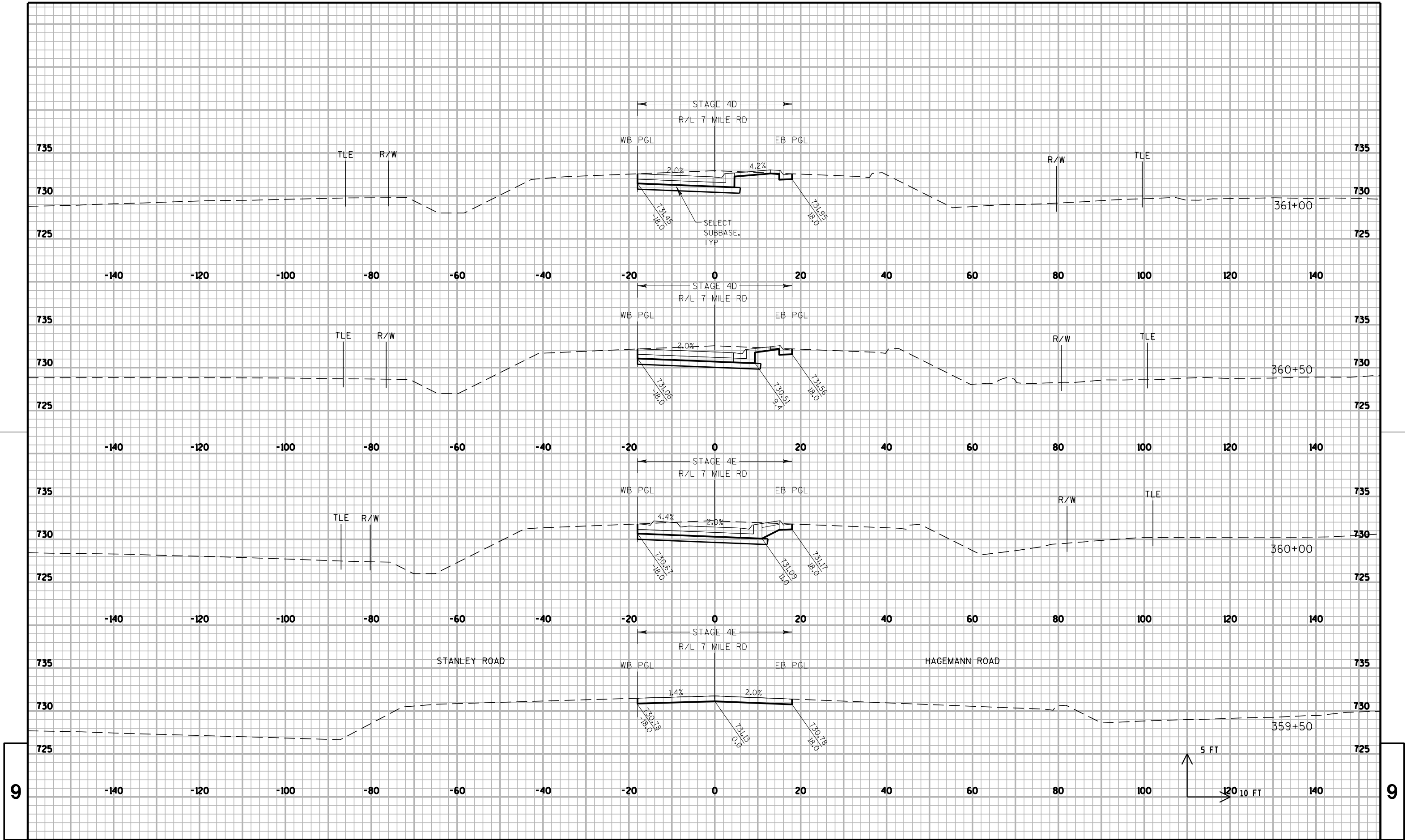


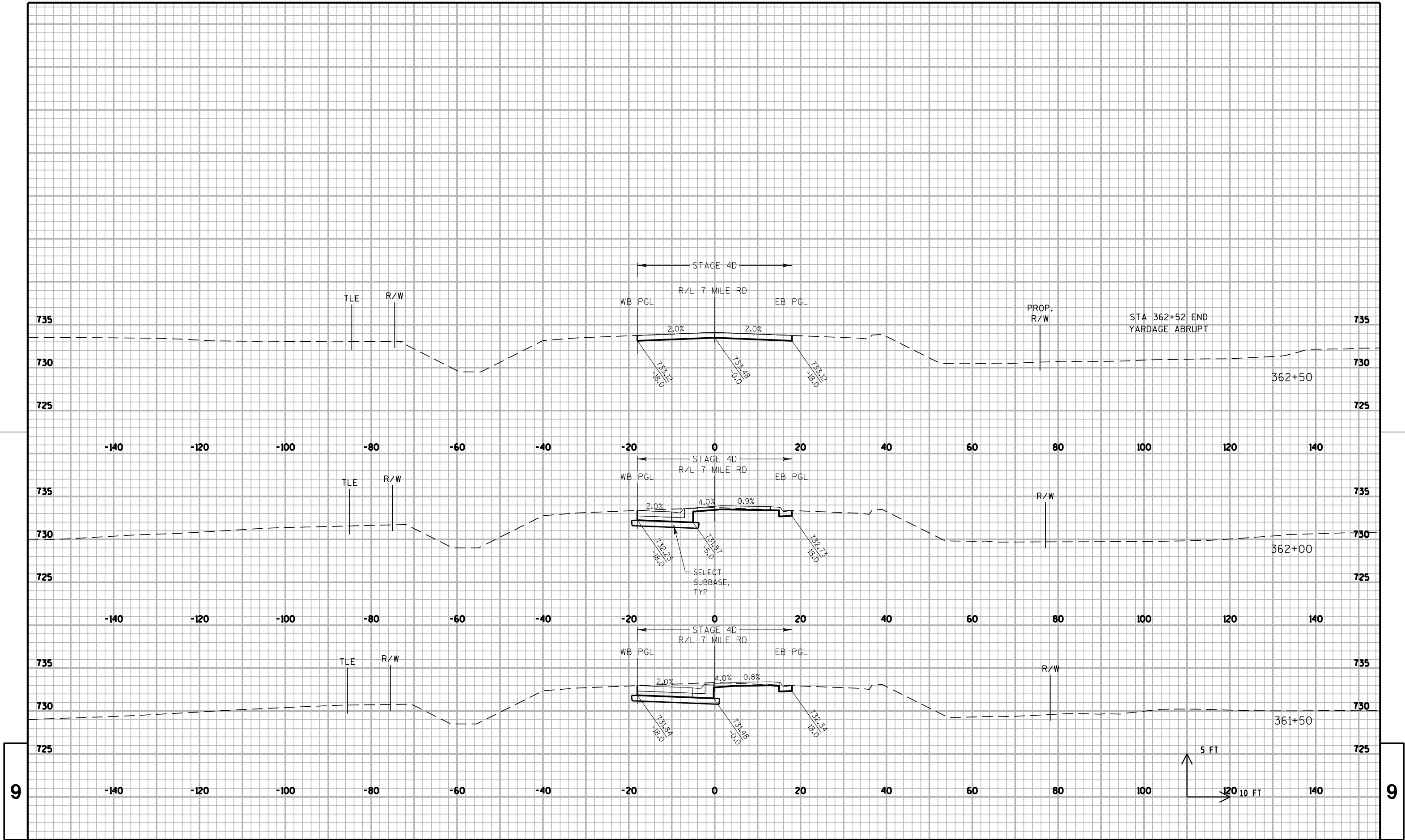












PROJECT NO:1035-01-72

HWY: IH 94/SEVEN MILE ROAD

COUNTY: RACINE

CROSS SECTIONS: SEVEN MILE ROAD

SHEET 250

E

FILE NAME : F:\BM1-1834B 7M Road\10350172_7r\Roads\cads\7r090201_xs_7m.dgn

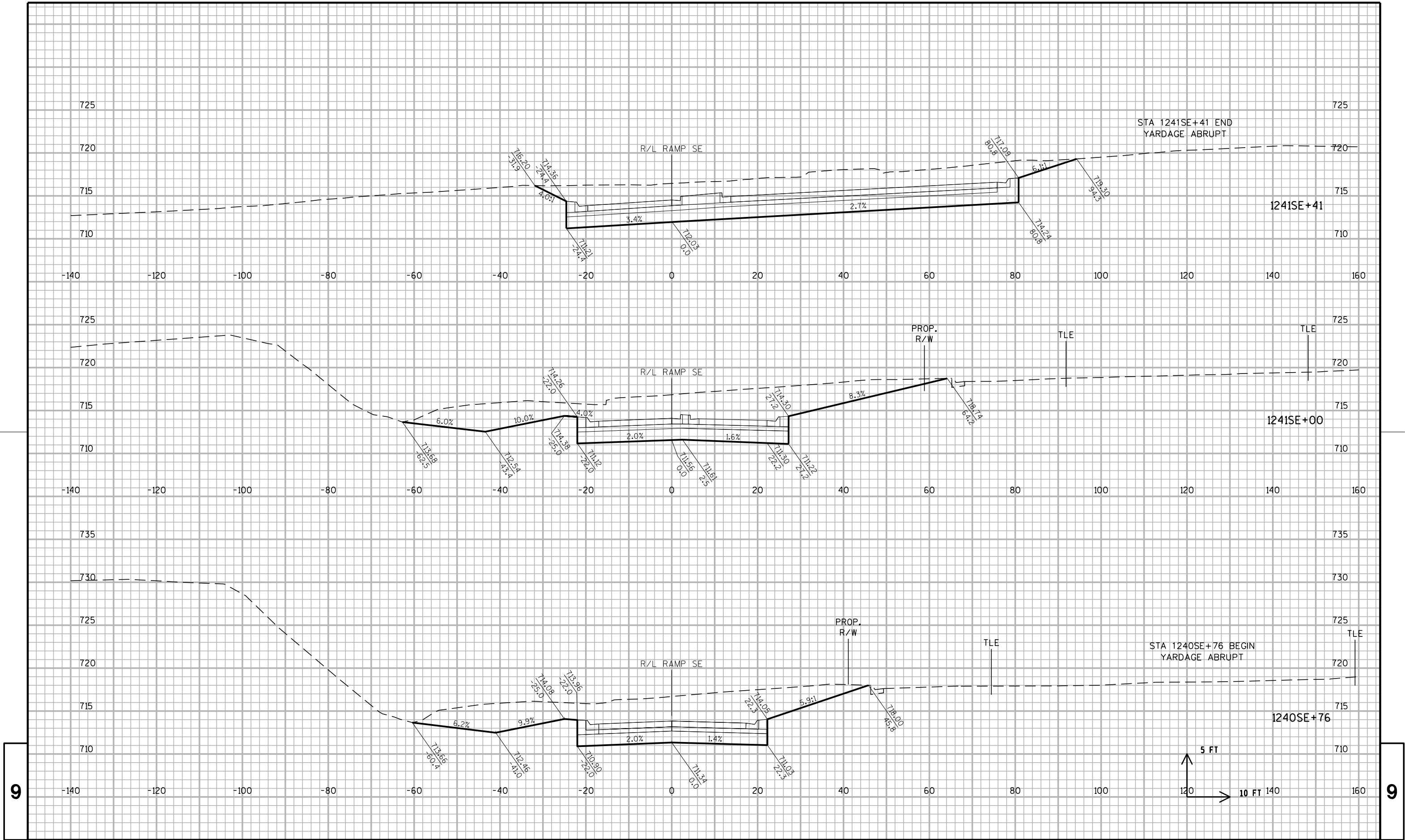
PLOT DATE : 13-JUN-2018 00:00

PLOT BY : scook

PLOT NAME :

PLOT SCALE : 20:1

WISDOT/CADDs SHEET 21



PROJECT NO:1035-01-72

HWY: IH 94/7 MILE ROAD

COUNTY: RACINE

CROSS SECTIONS: RAMP SE

SHEET 251

E

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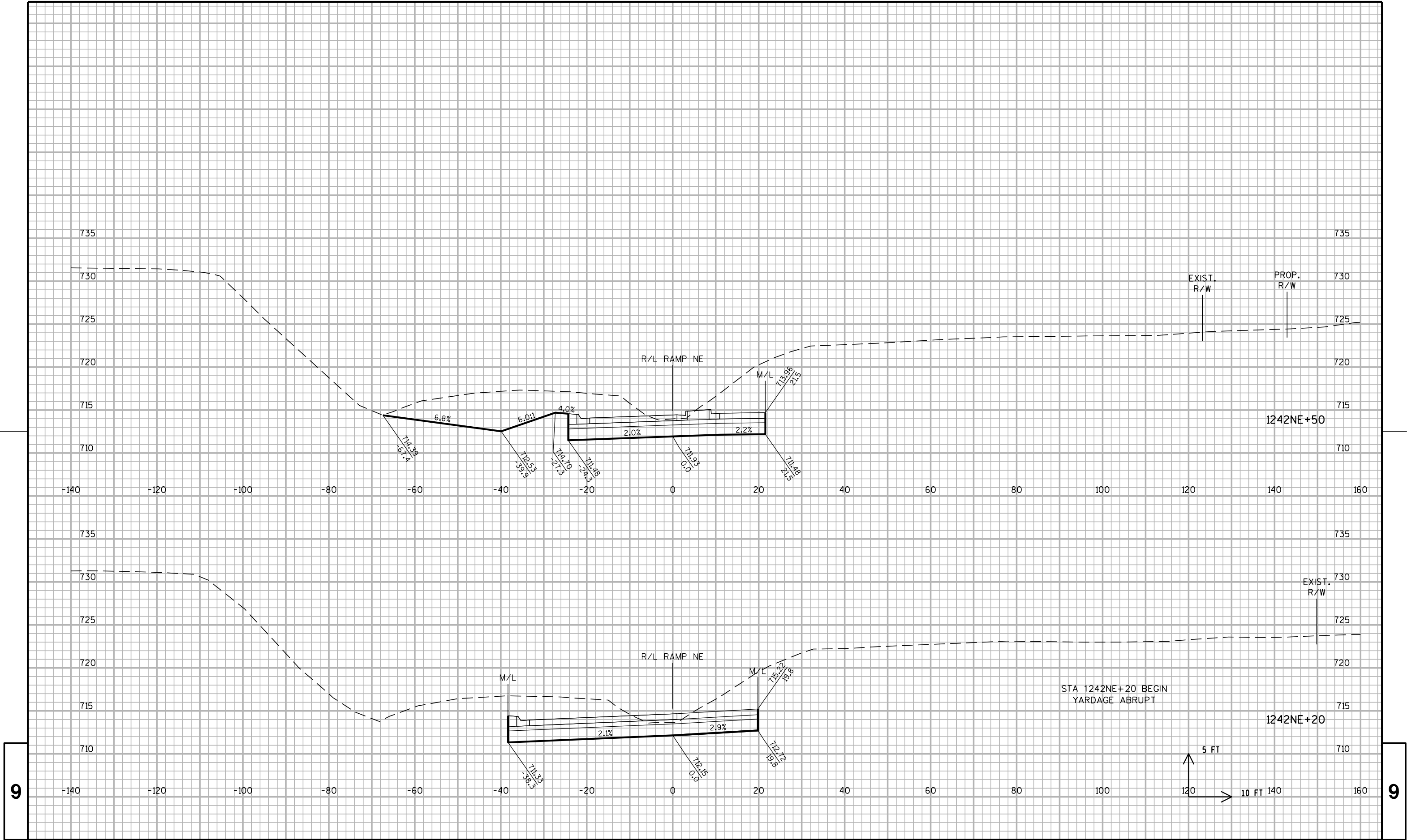
PLOT DATE : 13-JUN-2018 21:18

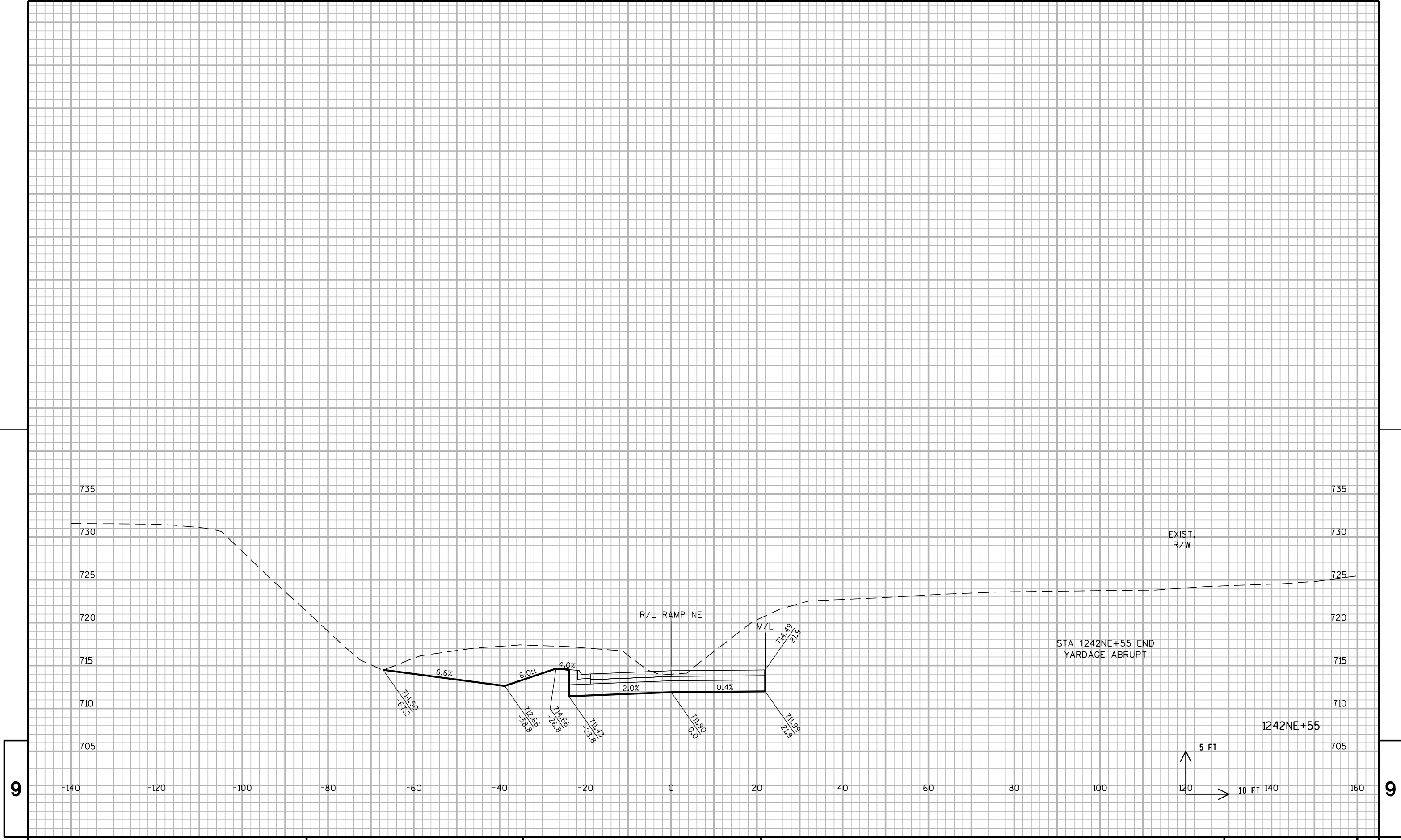
PLOT BY : scook

PLOT NAME :

PLOT SCALE : 20:1

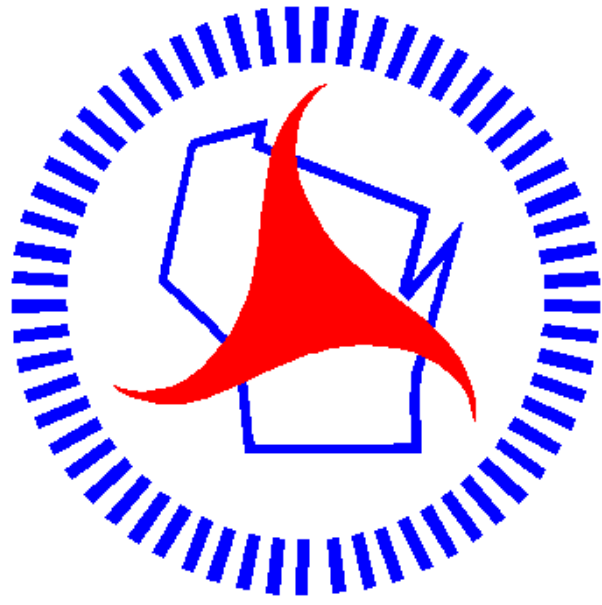
WISDOT/CADDs SHEET 21





9

9



Wisconsin Department of Transportation

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