GRE

DEC 2013

PROJECT ID: 9190-13-71

WITH: N/A

COUNTY: BROWN

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Details (Incl. Erosion Control)
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 = 400

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

VILLAGE OF PULASKI

GREEN BAY STREET - S. CHASE ROAD

STH 32

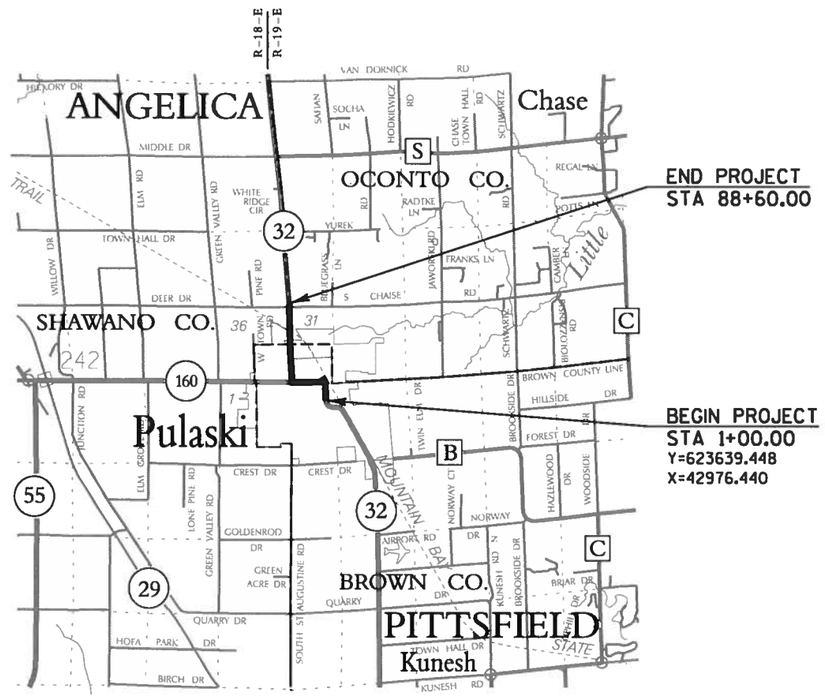
BROWN COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
9190-13-71	WISC 2013520	1

STATE PROJECT NUMBER
9190-13-71



N



DESIGN DESIGNATION

A.A.D.T.	(2014)	=	7,400 - 9,700
A.A.D.T.	(2034)	=	9,700 - 12,800
D.H.V.	(2034)	=	1,279
D.D.		=	62-38%
T.		=	5.5%
DESIGN SPEED		=	30-60 MPH
ESALS		=	1,416,200

CONVENTIONAL SYMBOLS

PLAN		PROFILE	
CORPORATE LIMITS		GRADE LINE	
PROPERTY LINE		ORIGINAL GROUND	
LOT LINE		MARSH OR ROCK PROFILE (To be noted as such)	ROCK
LIMITED HIGHWAY EASEMENT		SPECIAL DITCH	LABEL
EXISTING RIGHT OF WAY		GRADE ELEVATION	95.36
PROPOSED OR NEW R/W LINE		CULVERT (Profile View)	
SLOPE INTERCEPT		UTILITIES	
REFERENCE LINE		ELECTRIC	E
EXISTING CULVERT		FIBER OPTIC	FO
PROPOSED CULVERT (Box or Pipe)		GAS	G
COMBUSTIBLE FLUIDS	CAUTION	SANITARY SEWER	SAN
		STORM SEWER	SS
MARSH AREA		TELEPHONE	T
		WATER	W
		UTILITY PEDESTAL	
WOODED OR SHRUB AREA		POWER POLE	
		TELEPHONE POLE	

LAYOUT
SCALE 0 1 MI.

TOTAL NET LENGTH OF CENTERLINE = 1.659 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS), BROWN COUNTY (NAD 83), 1991 ADJUSTMENT

ALL ELEVATIONS ON THIS PROJECT ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

ORIGINAL PLANS PREPARED BY

EMCS
630 South 36th Avenue
Wausau, WI 54401
715.845.1081 FAX 715.845.1099

WISCONSIN
STEPHANIE G. CHRISTENSEN
E35808
WAUSAU, WI
PROFESSIONAL ENGINEER

7-19-2013 (Date) (Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	WISDOT
Designer	EMCS, INC.
Project Manager	ANDREW FULCER
Regional Examiner	SANDY CARPENTER
Regional Supervisor	DAN SEGERSTROM

APPROVED FOR THE DEPARTMENT

DATE: 7/22/2013 (Signature)

E

GENERAL NOTES

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

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

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

PRIOR TO ORDERING DRAINAGE PIPES AND STRUCTURES, THE CONTRACTOR SHALL VERIFY RELATED DRAINAGE INFORMATION IN THE PLAN WITH THE ENGINEER.

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

THE LIMITS OF PAVEMENT REMOVAL ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE EROSION CONTROL ITEMS SHOWN ON THE PLANS ARE AT SUGGESTED LOCATIONS. THE ENGINEER MAY MODIFY LOCATIONS AS NEEDED. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

THE 10-FOOT MULTIUSE PATH SHALL HAVE JOINTS SAWED AT 10-FOOT INTERVALS, TYPICAL.

DESIGNER NOTE

PERMANENT SIGNING AND DETOUR PLANS PROVIDED BY WISDOT.

ORDER OF SECTION 2 SHEETS

PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
PAVING DETAILS
EROSION CONTROL
STORM SEWER
PERMANENT SIGNING
LIGHTING
PAVEMENT MARKING
TRAFFIC CONTROL
DETOUR
ALIGNMENT DETAILS

PRELIMINARY DESIGN NOTE

UTILITY FIELD CONTACTS WILL BE UPDATED WITH DT1078 INFORMATION.

UTILITY LABELS ON SECTION 5 PLAN SHEETS WILL BE UPDATED WHEN ALL SYSTEM MAPS ARE RECEIVED.

WE ENERGIES GAS AND WINDSTREAM COMMUNICATION FACILITIES ARE NOT SHOWN ON PLANS ON WISCONSIN STREET FROM GREEN BAY STREET TO SUMMIT STREET. THESE FACILITIES ARE BEING FIELD LOCATED AND WILL BE ADDED TO THE FINAL PLANS.

UTILITIES

WINDSTREAM KDL, INC

(COMMUNICATIONS)
JIM KOSTUCH
13935 BISHOPS DRIVE
BROOKFIELD, WI 53005
(262) 792-7938

NORTHEAST TELEPHONE COMPANY LLC

(COMMUNICATIONS)
DENNIS BAER
122 S. ST. AUGUSTINE ST.
P.O. BOX 860
PULASKI, WI 54162-0860
(920) 822-8895

WE ENERGIES

(ELECTRIC & GAS/PETROLEUM)
DAN SANDE
333 W. EVERETT ST. SUITE A299
MILWAUKEE, WI 53203
(414) 221-4578

VILLAGE OF PULASKI - DEPT. PUBLIC WORKS

(SANITARY SEWER & WATER)
TOM ROGERS
355 N. FOURTH AVE.
PULASKI, WI 54162
920-822-8618

DIGGERS HOTLINE

Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

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

WISCONSIN STATUTE 182.0175 (1974) REQUIRES MINIMUM OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

OTHER CONTACTS

MOUNTAIN BAY RECREATIONAL TRAIL

DOUG HARTMAN
BROWN COUNTY PARK MANAGEMENT
305 E. WALNUT STREET, ROOM 102
GREEN BAY, WI 54301
(920) 448-4464
HARTMAN_DR@CO.BROWN.WI.US

DNR LIAISON

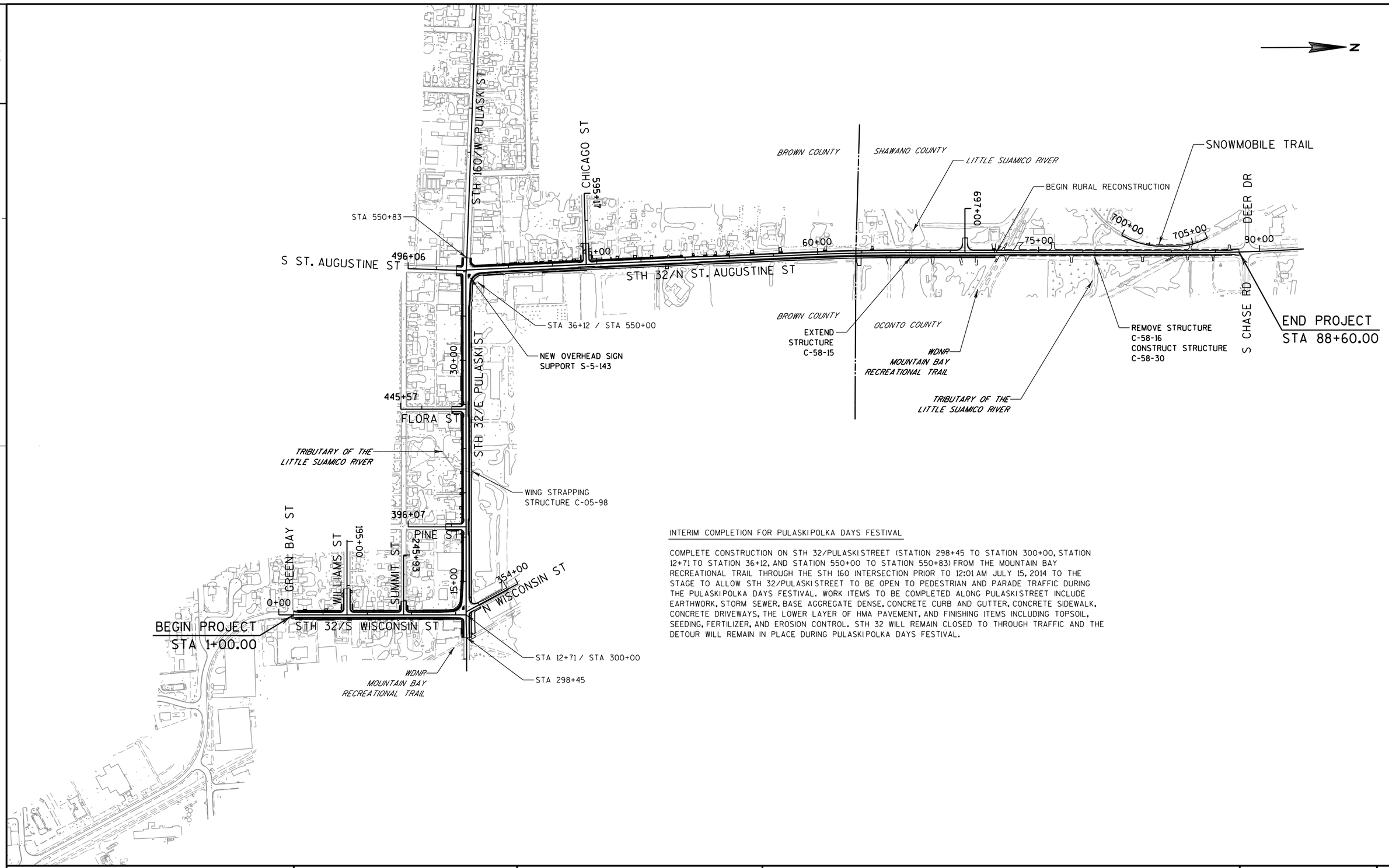
JAMES DOPERALSKI JR
2984 SHAWANO AVE
P.O. BOX 10448
GREEN BAY, WI 54307-0448
(920) 662-5119
JAMES.DOPERALSKI@WISCONSIN.GOV

U.S. ARMY CORPS OF ENGINEERS

JOEY SHOEMAKER
OLD FORT SQUARE
211 N. BROADWAY, SUITE 221
GREEN BAY, WI 54303
(920) 448-2824
JOEY.R.SHOEMAKER@USACE.ARMY.MIL

BROWN COUNTY SURVEY COORDINATOR

PAT FORD
305 EAST WALNUT STREET
GREEN BAY, WI 54301
(920) 448-4493
FORD_PJ@CO.BROWN.WI.US



INTERIM COMPLETION FOR PULASKI POLKA DAYS FESTIVAL

COMPLETE CONSTRUCTION ON STH 32/PULASKI STREET (STATION 298+45 TO STATION 300+00, STATION 12+71 TO STATION 36+12, AND STATION 550+00 TO STATION 550+83) FROM THE MOUNTAIN BAY RECREATIONAL TRAIL THROUGH THE STH 160 INTERSECTION PRIOR TO 12:01 AM JULY 15, 2014 TO THE STAGE TO ALLOW STH 32/PULASKI STREET TO BE OPEN TO PEDESTRIAN AND PARADE TRAFFIC DURING THE PULASKI POLKA DAYS FESTIVAL. WORK ITEMS TO BE COMPLETED ALONG PULASKI STREET INCLUDE EARTHWORK, STORM SEWER, BASE AGGREGATE DENSE, CONCRETE CURB AND GUTTER, CONCRETE SIDEWALK, CONCRETE DRIVEWAYS, THE LOWER LAYER OF HMA PAVEMENT, AND FINISHING ITEMS INCLUDING TOPSOIL, SEEDING, FERTILIZER, AND EROSION CONTROL. STH 32 WILL REMAIN CLOSED TO THROUGH TRAFFIC AND THE DETOUR WILL REMAIN IN PLACE DURING PULASKI POLKA DAYS FESTIVAL.

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PROJECT OVERVIEW	SHEET 3	E

2

STH 32/S WISCONSIN ST

12+00

14+00

16+00

18+00

PINE ST

20+00

22+00

24+00

26+00

FLORA ST

450+00

2

STH 32/E PULASKI ST

350+00

352+00

N WISCONSIN ST

LEGEND

DELINEATED WETLAND BOUNDARY

PERMITTED WETLAND IMPACT

WETLAND #1

TRIBUTARY OF THE LITTLE SUAMICO RIVER

TRIBUTARY OF THE LITTLE SUAMICO RIVER

WETLAND #2

N

LEGEND

DELINEATED WETLAND BOUNDARY

PERMITTED WETLAND IMPACT

Z

48+00

50+00

52+00

54+00

56+00

58+00

60+00

62+00

STH 32/N ST. AUGUSTINE ST

WETLAND #3

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	WETLAND IMPACT OVERVIEW	SHEET 4	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\020202_po_wetlands.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:100

WISDOT/CADDS SHEET 42

2

LEGEND

DELINEATED WETLAND BOUNDARY

PERMITTED WETLAND IMPACT

N

LITTLE SUAMICO RIVER

WETLAND #8

WETLAND #10A/B

WETLAND #13

WETLAND #14A/B

WETLAND #16A/B/C

62+00 64+00 66+00 68+00 70+00 72+00 74+00 76+00

STH 32/N ST. AUGUSTINE ST

WETLAND #3

WETLAND #4

WETLAND #5

WETLAND #6

WETLAND #9A/B

WETLAND #11A/B

WETLAND #12A/B

WETLAND #15A/B

WDNR MOUNTAIN BAY RECREATIONAL TRAIL

LEGEND

DELINEATED WETLAND BOUNDARY

PERMITTED WETLAND IMPACT

N

WETLAND #16A/B/C

700+00 702+00 704+00 706+00

SNOWMOBILE TRAIL

WETLAND #19

DEER DR

76+00 78+00 80+00 82+00 84+00 86+00 88+00 90+00

STH 32/N ST. AUGUSTINE ST

WETLAND #15A/B

WETLAND #17A/B/C

WETLAND #17A/B/C

WETLAND #18

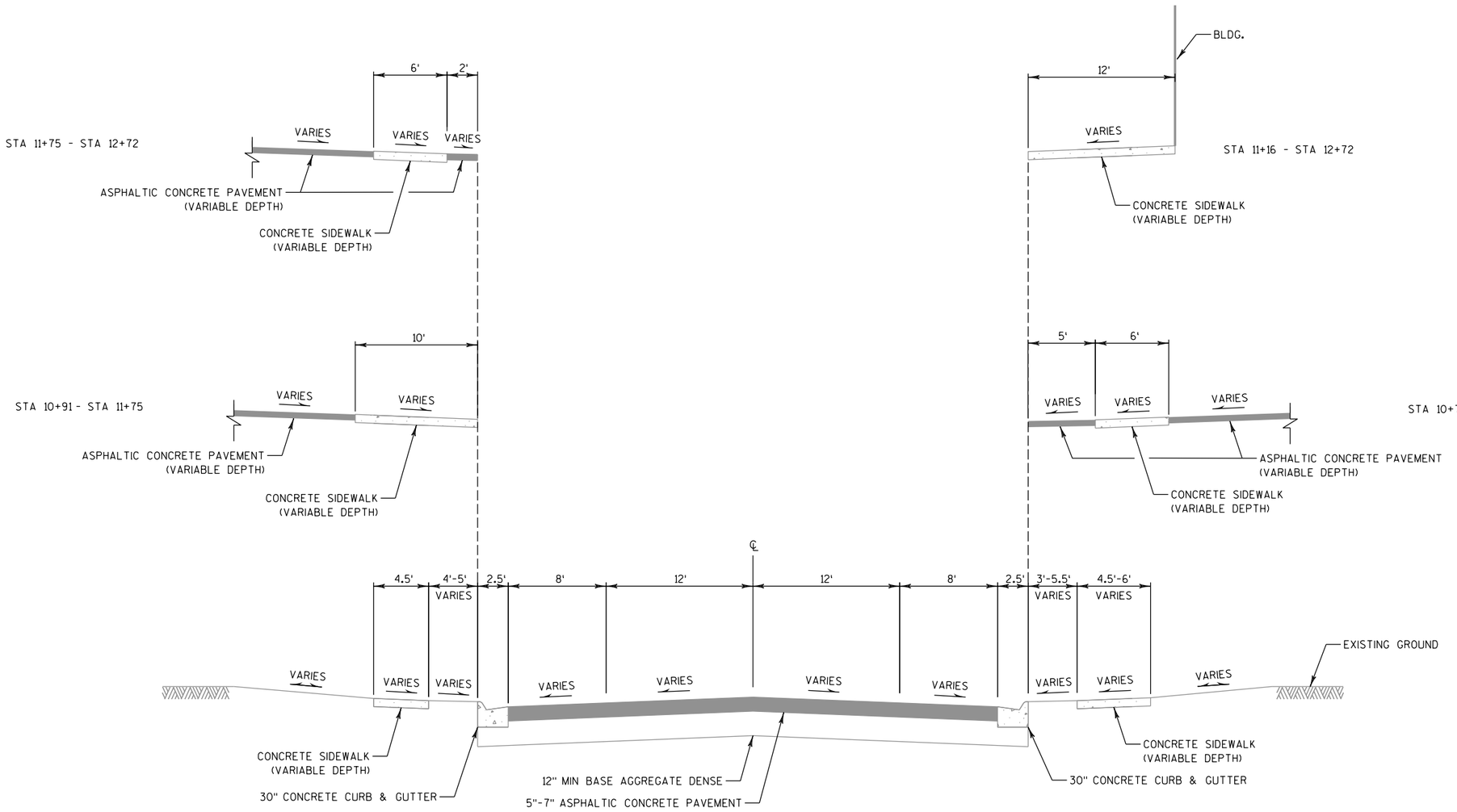
TRIBUTARY OF THE LITTLE SUAMICO RIVER

S CHASE RD

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	WETLAND IMPACT OVERVIEW	SHEET 5	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\020203_po_wetlands.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:100

2



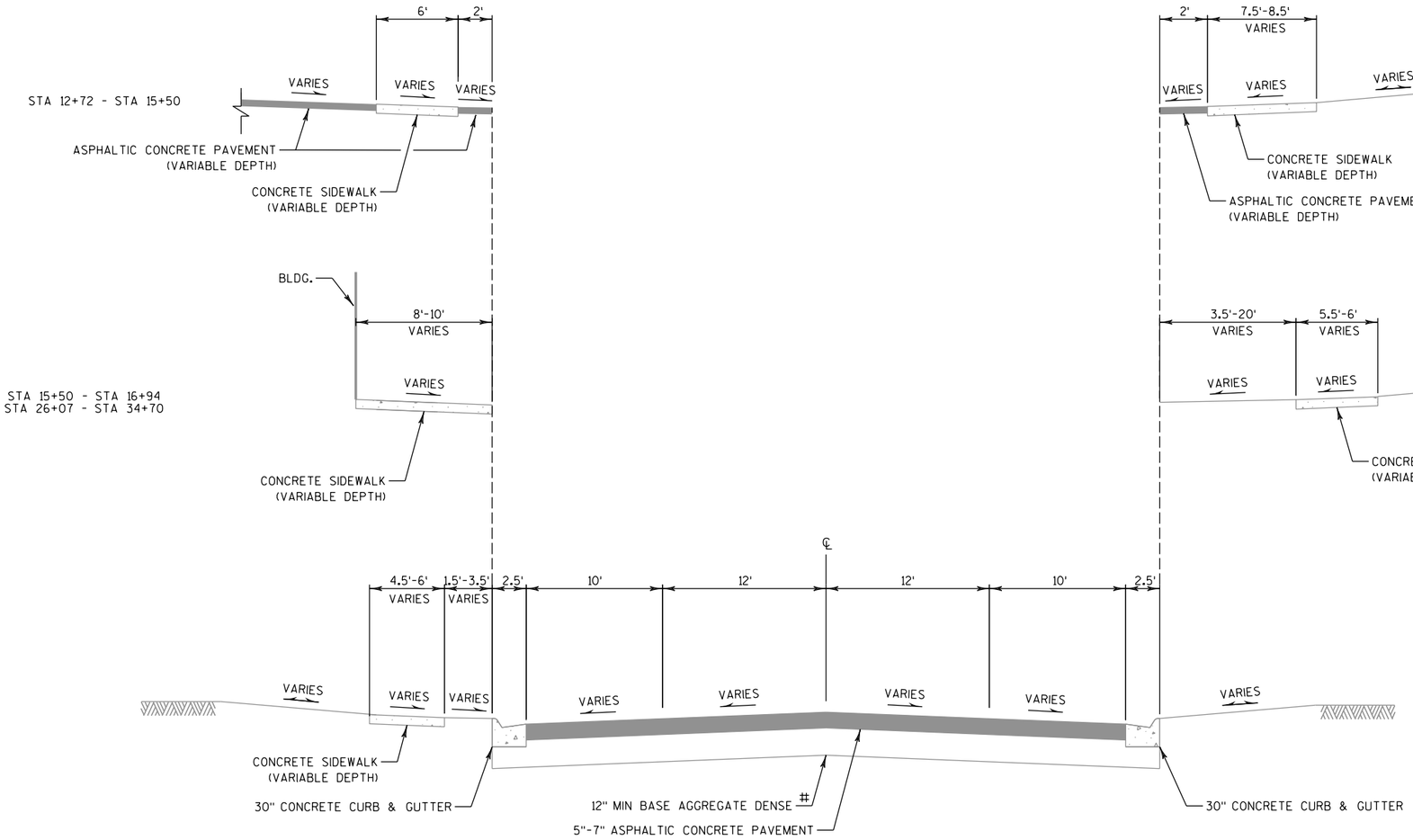
TYPICAL EXISTING SECTION
STH 32/S WISCONSIN ST
STA 1+00 - STA 12+72

NOTE

THE EXISTING CENTERLINE DOES NOT COINCIDE WITH THE REFERENCE LINE IN ALL LOCATIONS

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 6	E

2



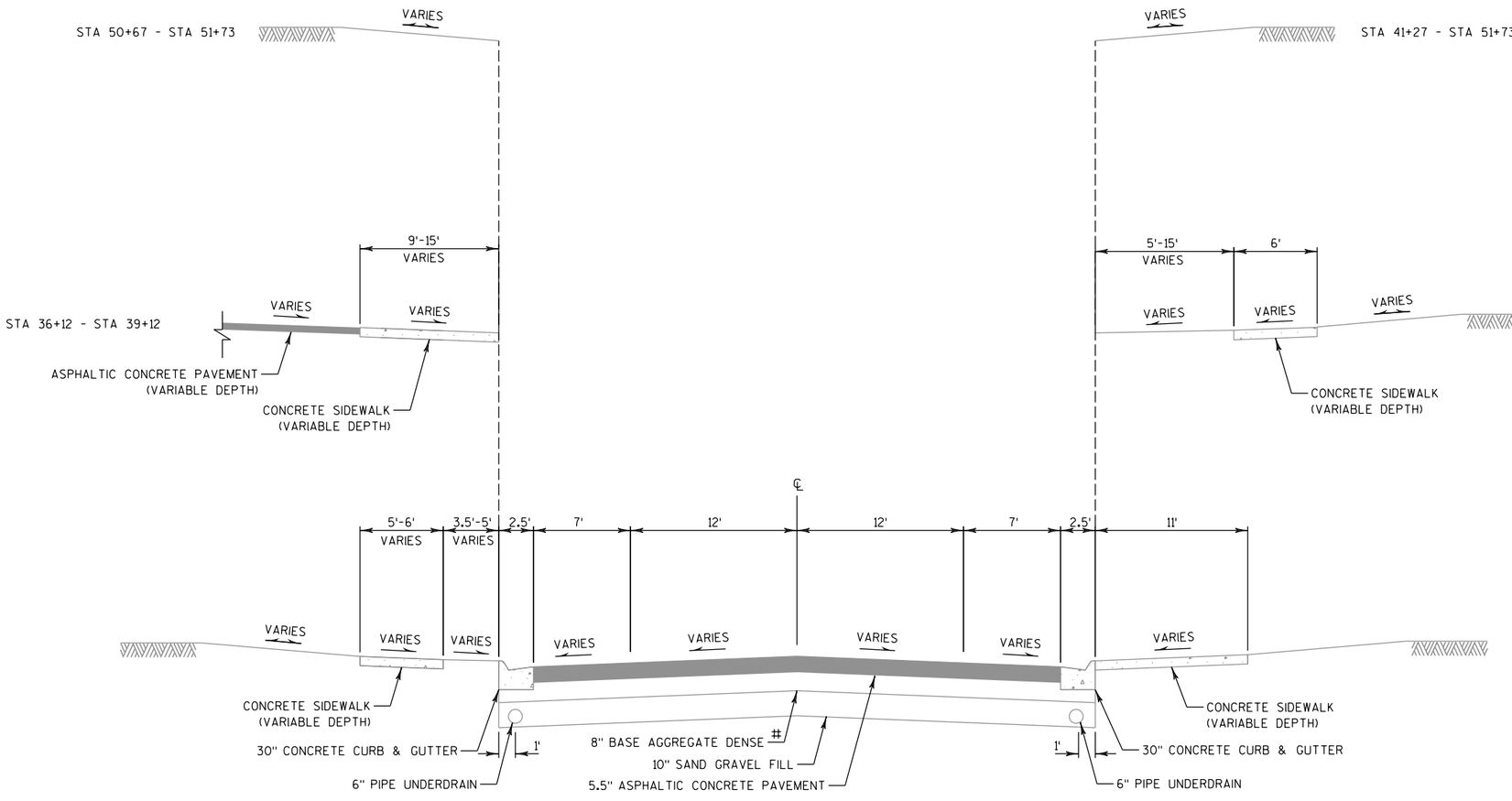
TYPICAL EXISTING SECTION
STH 32/E PULASKI ST
STA 12+72 - STA 36+12
STA 298+45 - STA 300+00

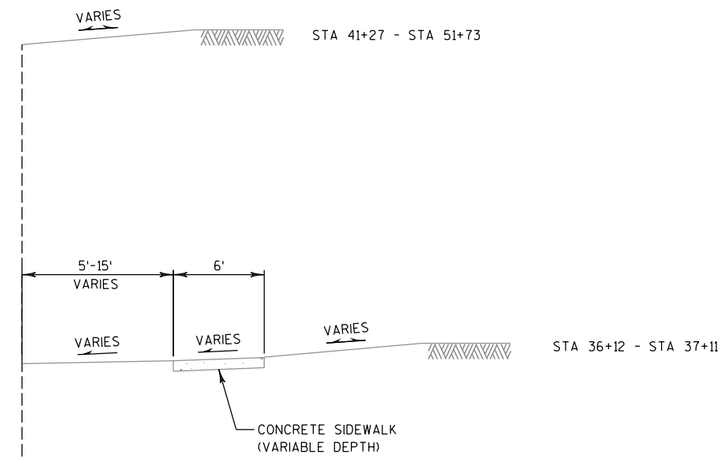
NOTE

THE EXISTING CENTERLINE DOES NOT COINCIDE WITH THE REFERENCE LINE IN ALL LOCATIONS

\# THE EXISTING ASPHALTIC CONCRETE PAVEMENT IS PLACED OVER EXISTING CONCRETE PAVEMENT AT THE INTERSECTION OF PULASKI ST AND ST. AUGUSTINE ST SEE SECTION 5 SHEETS FOR LOCATION

2



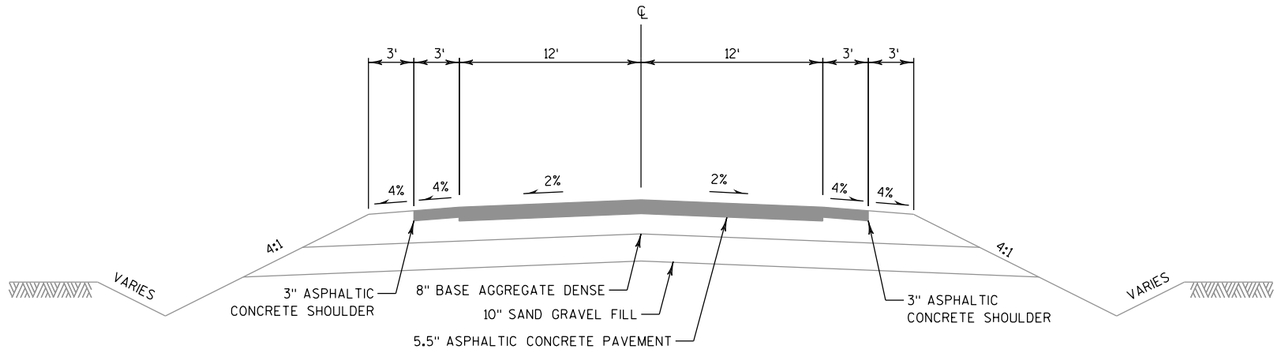


TYPICAL EXISTING SECTION
STH 32/N ST. AUGUSTINE ST
STA 36+12 - STA 51+73

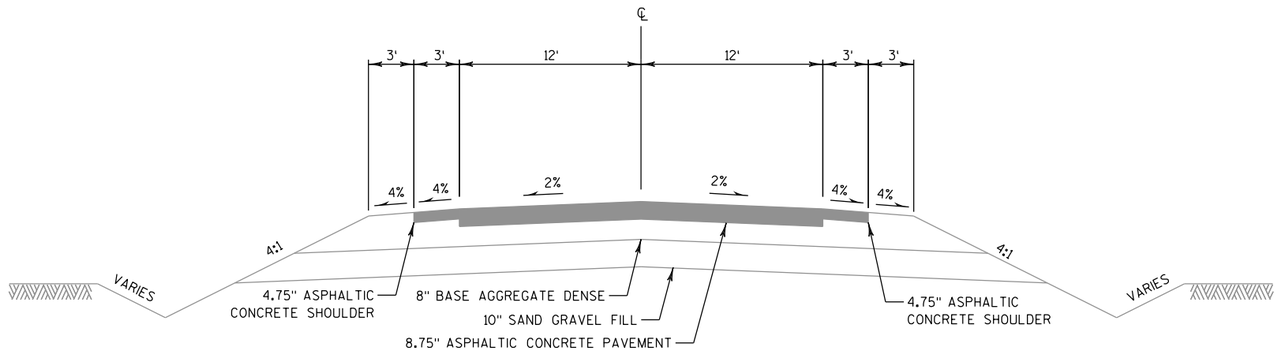
NOTE

THE EXISTING CENTERLINE DOES NOT COINCIDE WITH THE REFERENCE LINE IN ALL LOCATIONS

\# THE EXISTING ASPHALTIC CONCRETE PAVEMENT IS PLACED OVER EXISTING CONCRETE PAVEMENT AT THE INTERSECTION OF PULASKI ST AND ST. AUGUSTINE ST SEE SECTION 5 SHEETS FOR LOCATION



TYPICAL EXISTING SECTION
STH 32/N ST. AUGUSTINE ST
STA 51+73 - STA 62+59

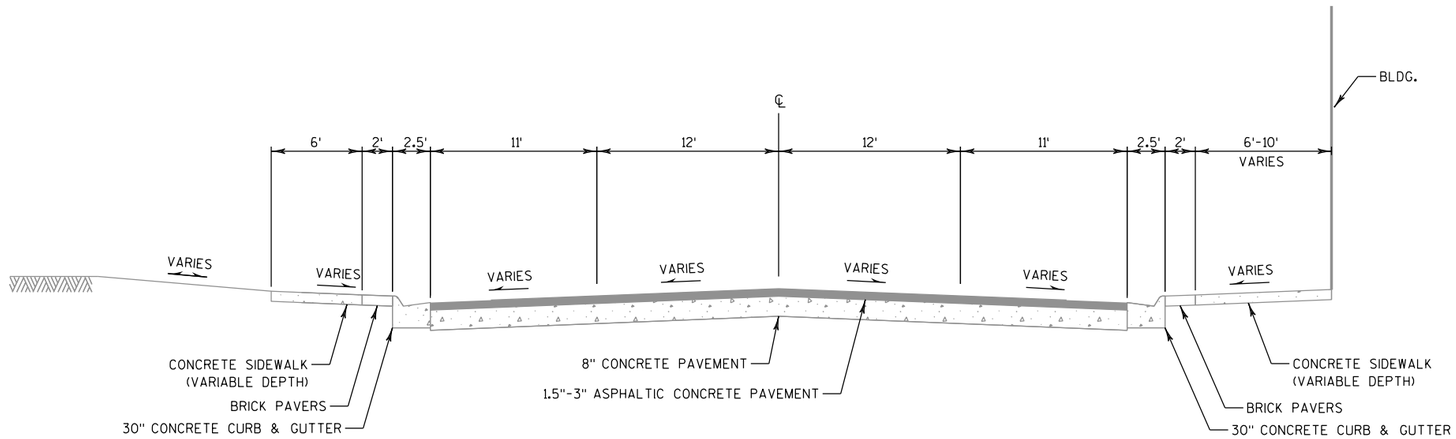


TYPICAL EXISTING SECTION
STH 32/N ST. AUGUSTINE ST
STA 62+59 - STA 88+60

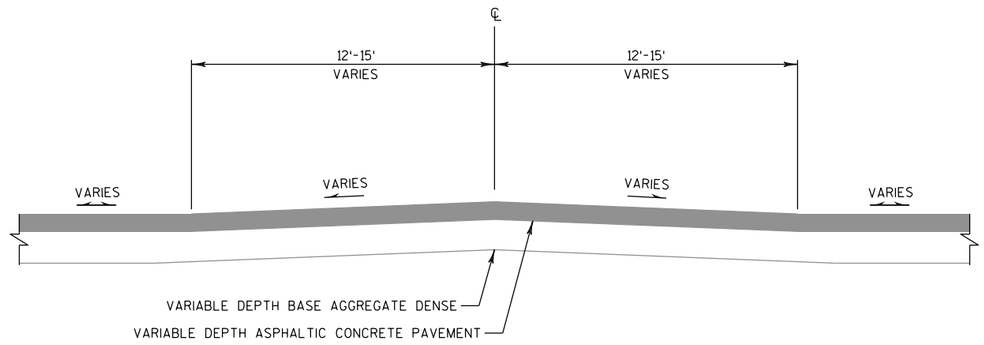
NOTE

THE EXISTING CENTERLINE DOES NOT COINCIDE
WITH THE REFERENCE LINE IN ALL LOCATIONS

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 9	E



TYPICAL EXISTING SECTION
STH 160/W PULASKI ST
STA 550+00 - STA 550+83



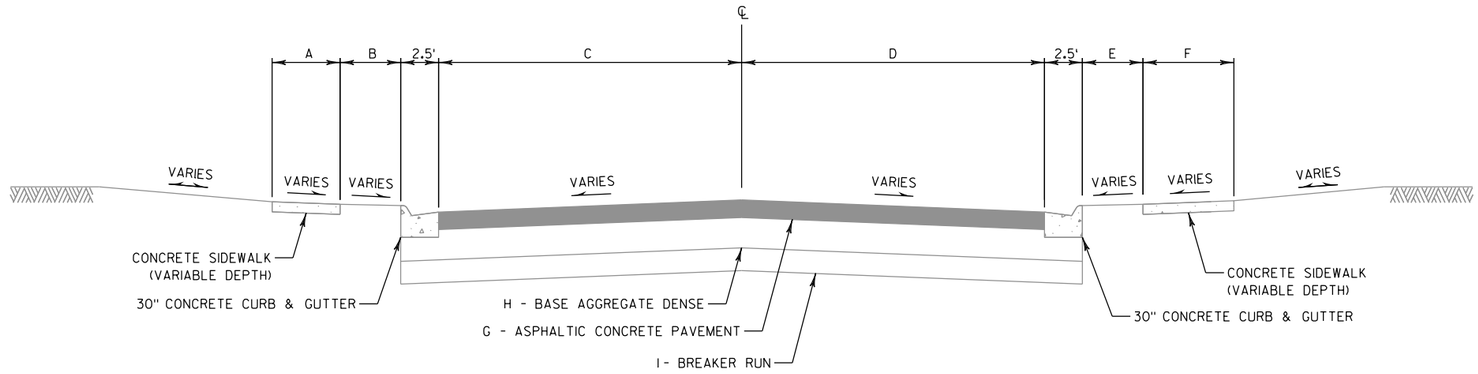
TYPICAL EXISTING SECTION
N WISCONSIN ST
STA 350+00 - STA 353+20

NOTE

THE EXISTING CENTERLINE DOES NOT COINCIDE
WITH THE REFERENCE LINE IN ALL LOCATIONS

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 10	E

STREET	A	B	C	D	E	F	G	H	I
WILLIAMS ST	5'	13'	20'	20'	13'	4'	3"	4"	5"
SUMMIT ST	5'	6'	15'	15'	6'	5'	3"	4"	7"
PINE ST	N/A	N/A	18'	18'	N/A	N/A	VAR	VAR	VAR
FLORA ST	5'	16'	15'	15'	N/A	N/A	3"	4"	7"
S ST. AUGUSTINE ST	9'	N/A	22'	22'	N/A	8'	5"	6"	12"
CHICAGO ST	5'	13'	17'	17'	13'	5'	VAR	VAR	VAR

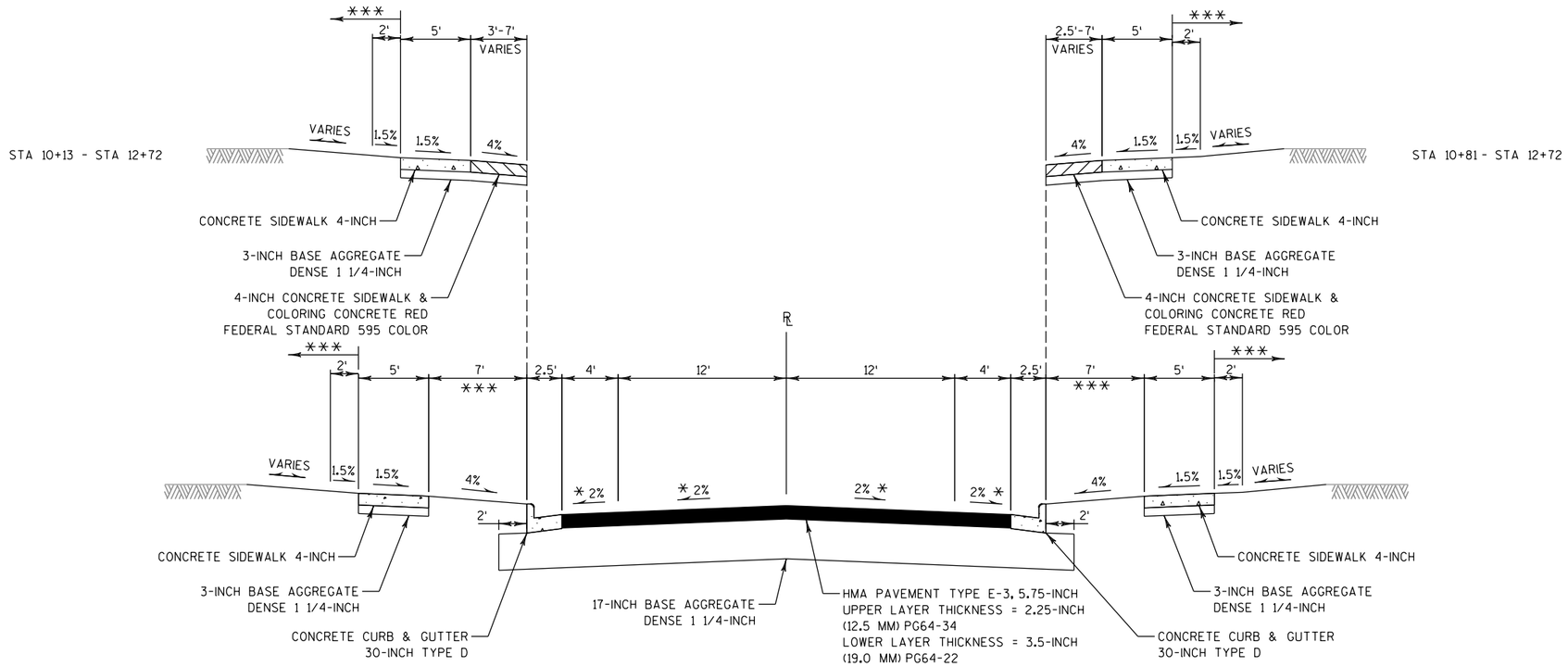


TYPICAL EXISTING SECTION
SIDEROADS
(SEE TABLE)

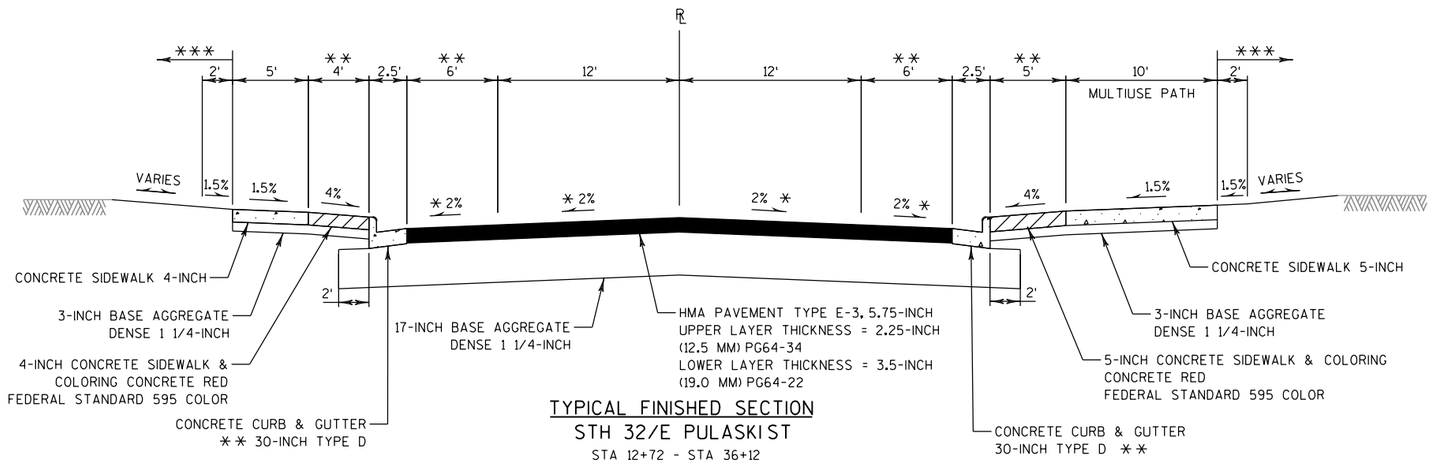
NOTE

THE EXISTING CENTERLINE DOES NOT COINCIDE
WITH THE REFERENCE LINE IN ALL LOCATIONS

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 11	E



TYPICAL FINISHED SECTION
STH 32/S WISCONSIN ST
STA 1+00 - STA 12+72



TYPICAL FINISHED SECTION
STH 32/E PULASKI ST
STA 12+72 - STA 36+12

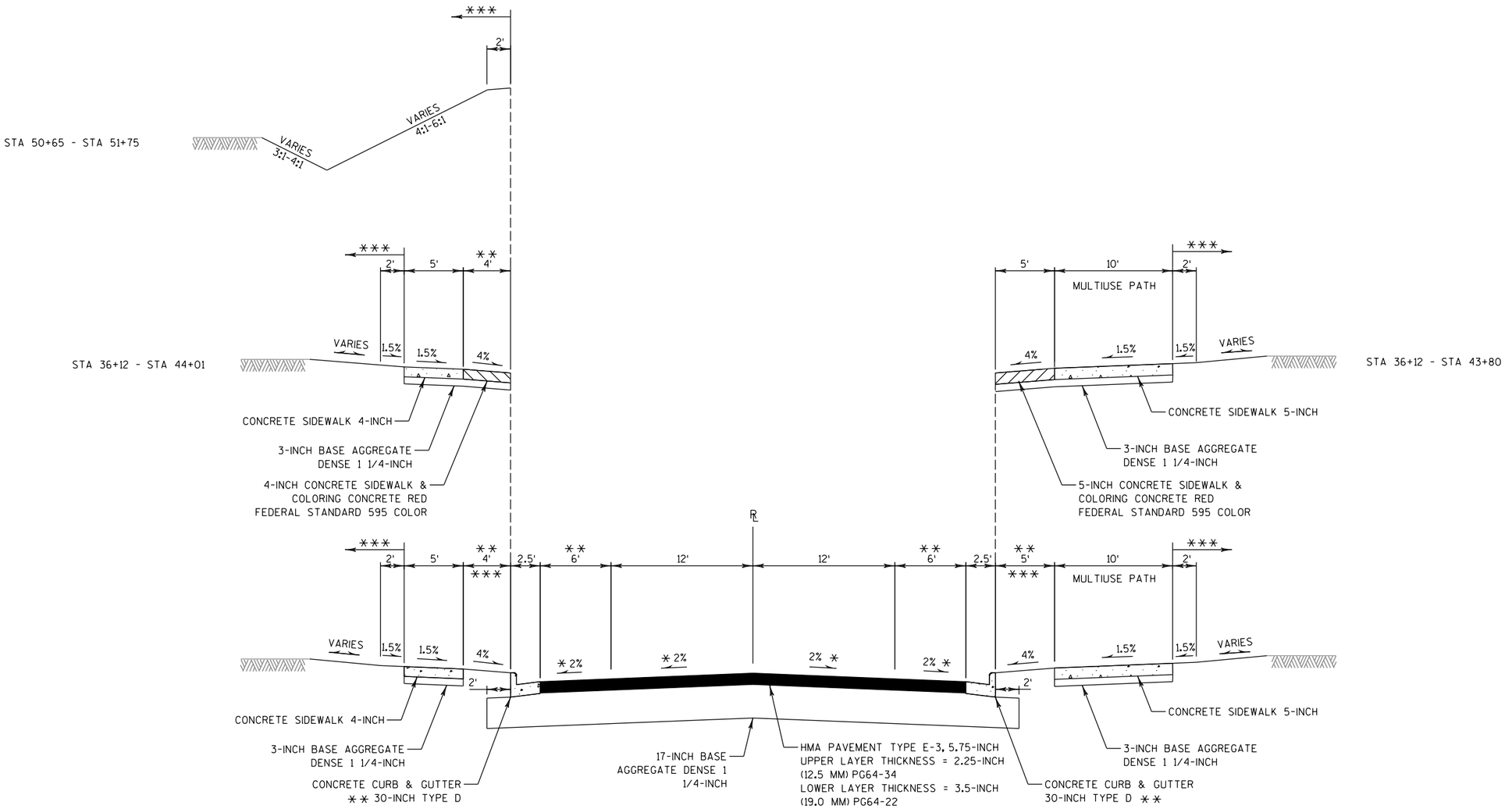
NOTES

* SLOPE VARIES, SEE PAVING DETAILS

** SEE CONSTRUCTION DETAILS FOR VARIABLE WIDTH SHOULDER, VARIABLE WIDTH CONCRETE TERRACE AND CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D AT BUMP OUTS

*** SALVAGED TOPSOIL, SEED, FERTILIZE & EROSION MAT

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 12	E



TYPICAL FINISHED SECTION
STH 32/N ST. AUGUSTINE ST
STA 36+12 - STA 50+68

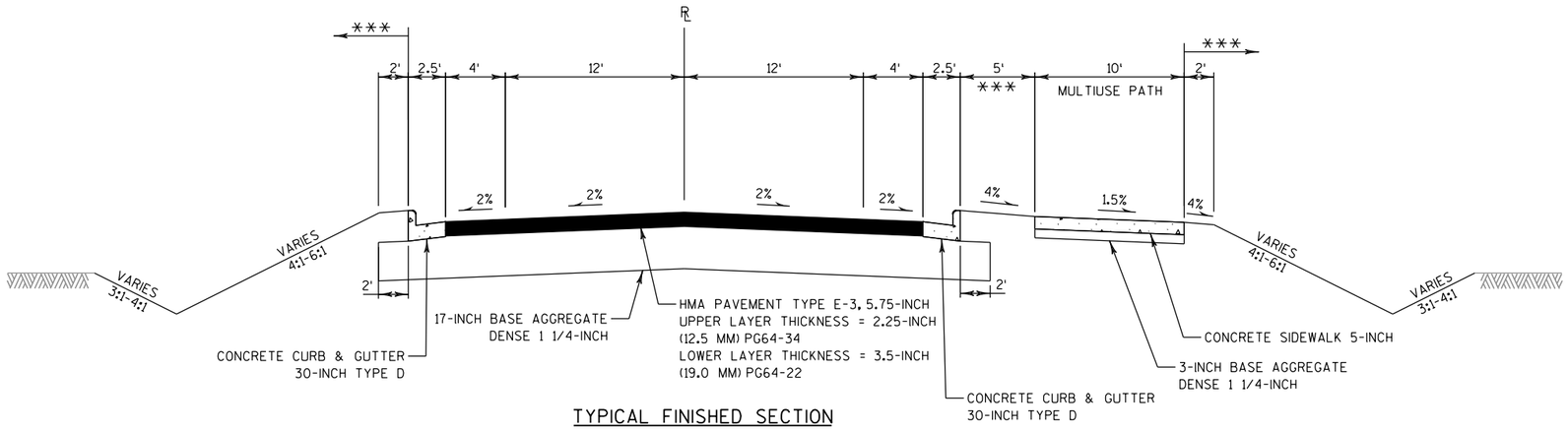
NOTES

* SLOPE VARIES, SEE PAVING DETAILS

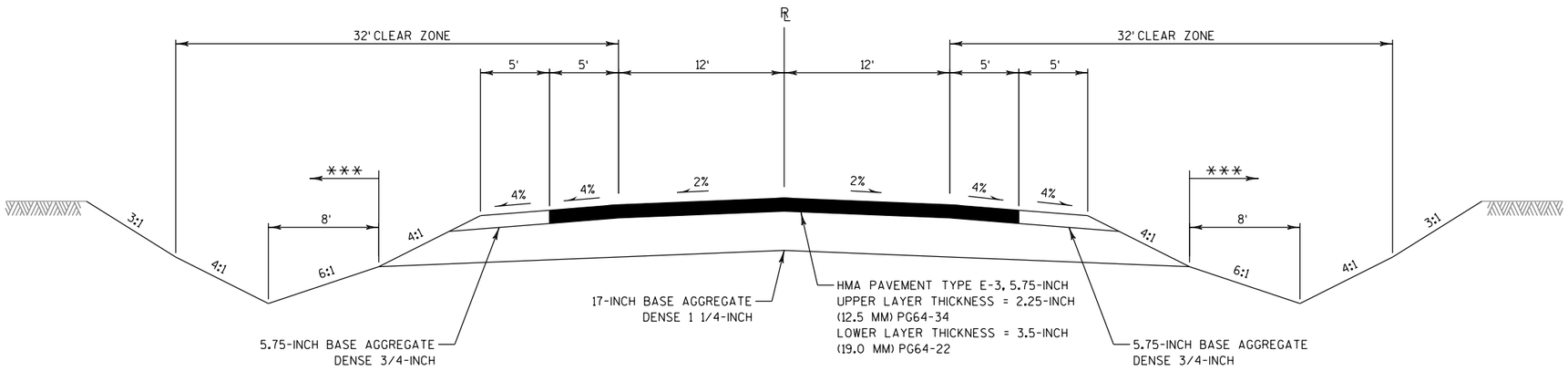
** SEE CONSTRUCTION DETAILS FOR VARIABLE WIDTH SHOULDER, VARIABLE WIDTH CONCRETE TERRACE AND CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D AT BUMP OUTS

*** SALVAGED TOPSOIL, SEED, FERTILIZE & EROSION MAT

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 13	E



TYPICAL FINISHED SECTION
STH 32/N ST. AUGUSTINE ST
STA 50+68 - STA 72+35

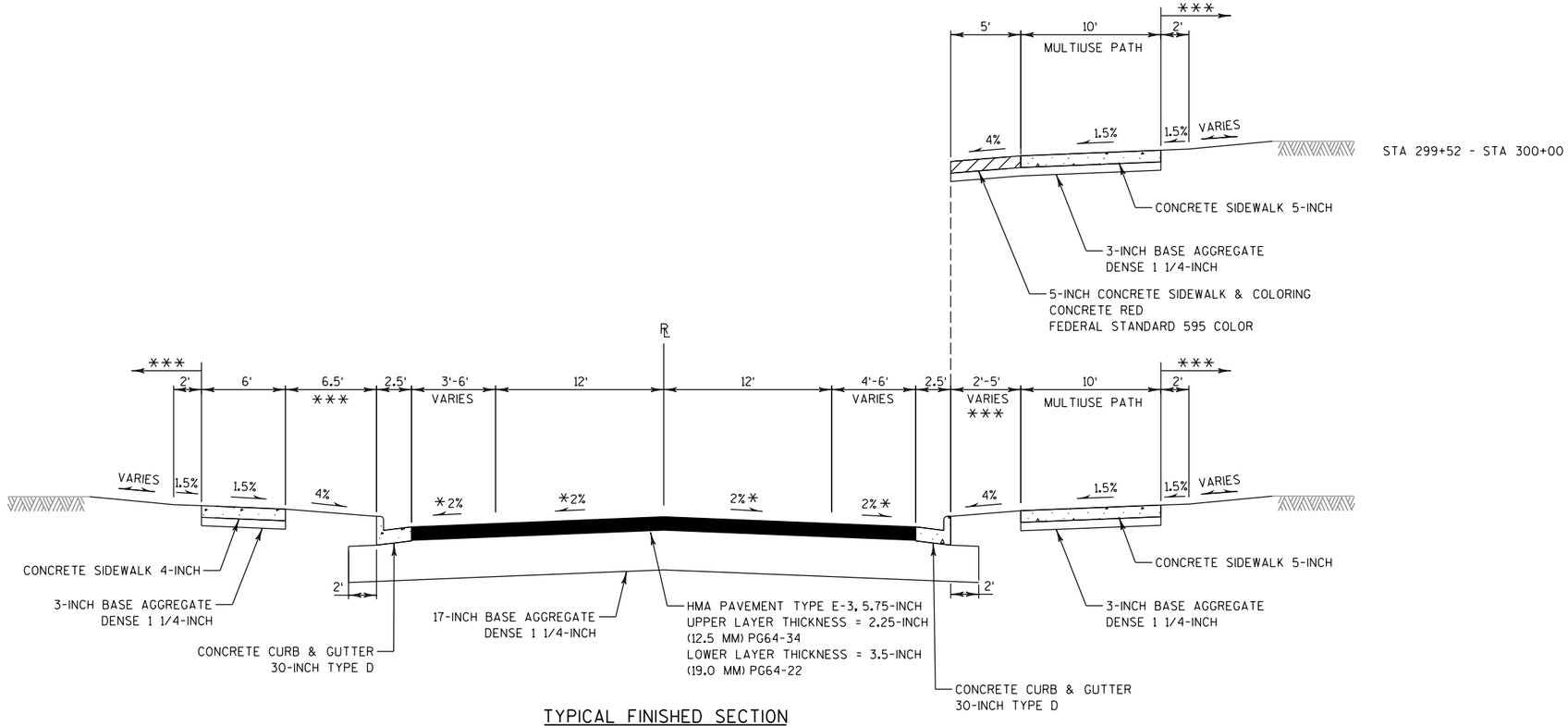


TYPICAL FINISHED SECTION
STH 32/N ST. AUGUSTINE ST
STA 72+35 - STA 88+60

NOTE

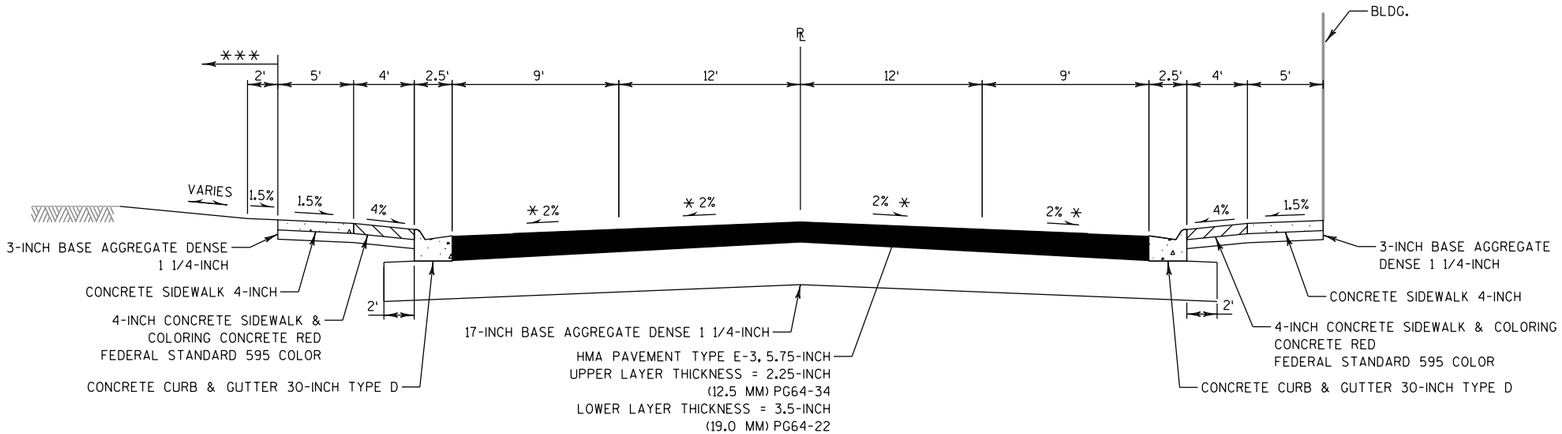
*** SALVAGED TOPSOIL, SEED, FERTILIZE & EROSION MAT

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 14	E



TYPICAL FINISHED SECTION
E PULASKI ST
STA 298+45 - STA 300+00

STA 299+52 - STA 300+00



TYPICAL FINISHED SECTION
STH 160/W PULASKI ST
STA 550+00 - STA 550+83

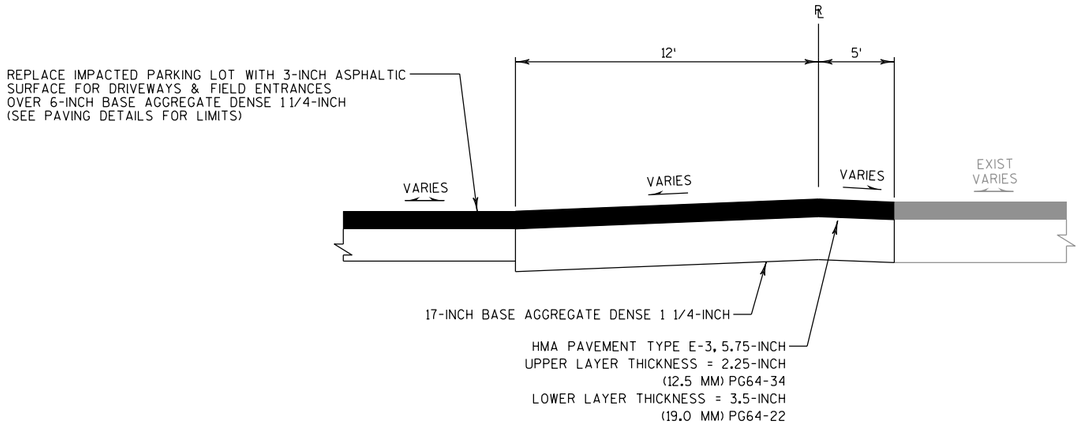
NOTES

* SLOPE VARIES, SEE PAVING DETAILS

*** SALVAGED TOPSOIL, SEED, FERTILIZE & EROSION MAT

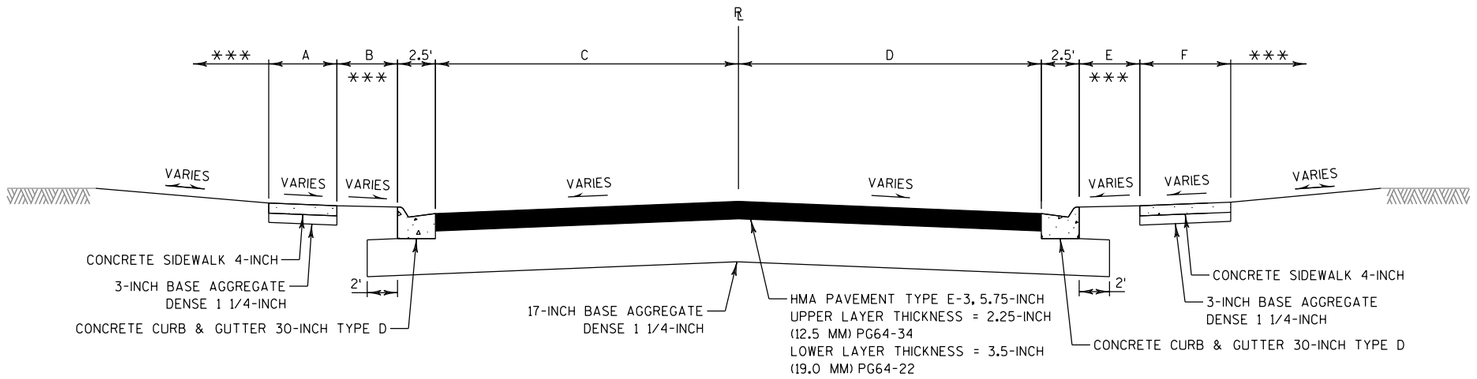
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 15	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\020301_ts.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:10



TYPICAL FINISHED SECTION
N WISCONSIN ST
STA 350+00 - STA 353+20

STREET	A	B	C	D	E	F
WILLIAMS ST	5'	12.5'	20'	20'	11'	5'
SUMMIT ST	5'	7.5'	15'	15'	6'	5'
PINE ST	N/A	N/A	18'	18'	N/A	N/A
FLORA ST	5'	16'	15.5'	15.5'	N/A	N/A
S ST. AUGUSTINE ST	8'	N/A	22'	22'	N/A	8'
CHICAGO ST	5'	13'	18'	18'	13'	5'

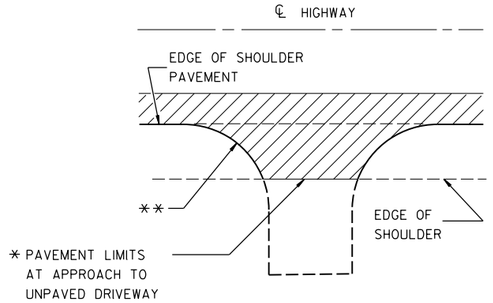


TYPICAL FINISHED SECTION
SIDEROADS
SEE TABLE

NOTE

*** SALVAGED TOPSOIL, SEED, FERTILIZE & EROSION MAT

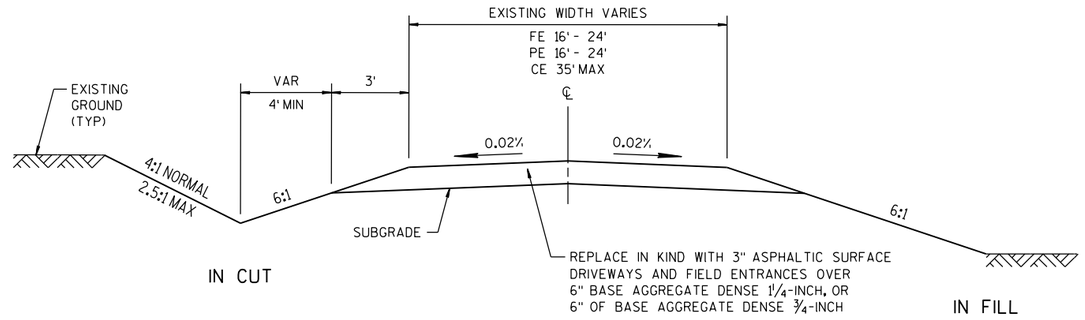
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TYPICAL SECTIONS	SHEET 16	E



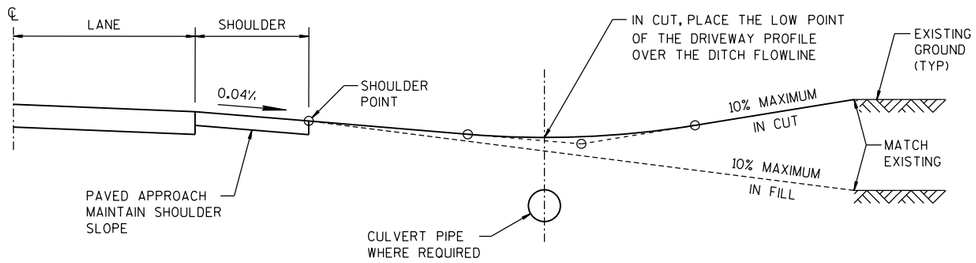
* WHERE DRIVEWAY IS PAVED, APPROACH PAVEMENT SHOULD BE EXTENDED TO MATCH DRIVEWAY PAVEMENT.

** SEE PAVING DETAILS FOR DRIVEWAY RADIUS INFORMATION

PLAN VIEW



TYPICAL CROSS SECTION

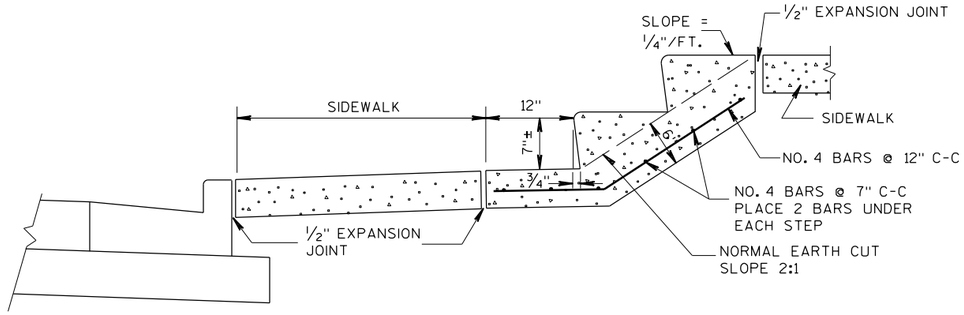


TYPICAL DRIVEWAY PROFILE

RURAL DRIVEWAY DETAIL

NOTE

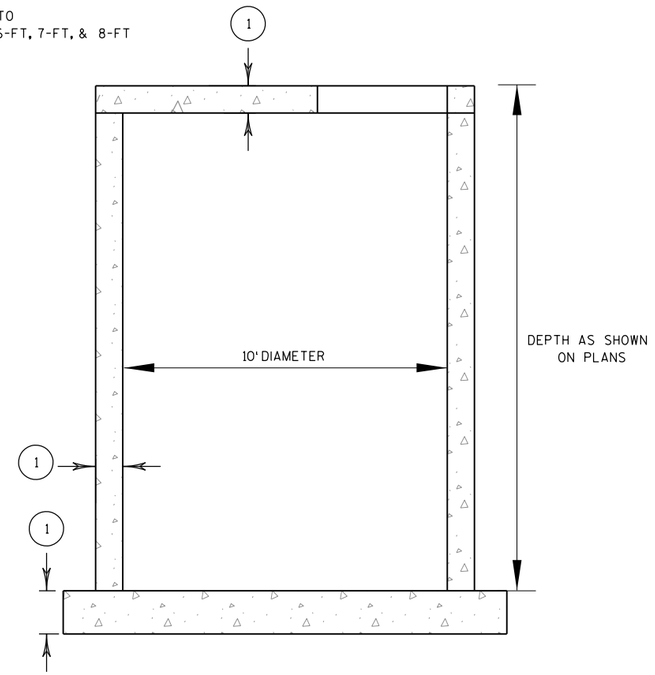
PAVED APPROACHES ARE NOT REQUIRED AT ALL RURAL DRIVEWAYS. SEE PAVING DETAILS FOR PAVED APPROACH LOCATIONS.



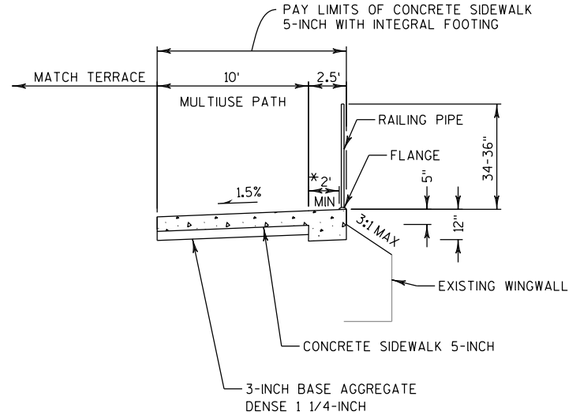
CONCRETE STEPS DETAIL

NOTES
DETAILS NOT SHOWN SHALL CONFORM TO
SDD FOR MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, & 8-FT

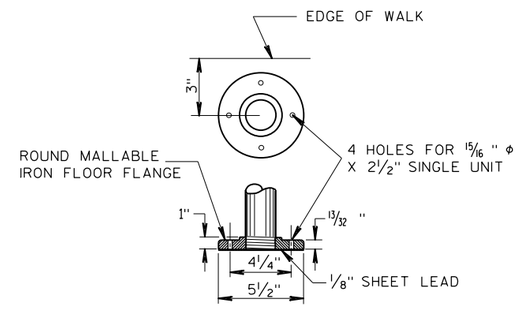
(1) 10-INCH MINIMUM THICKNESS



MANHOLES SPECIAL 10-FT DIAMETER DETAIL



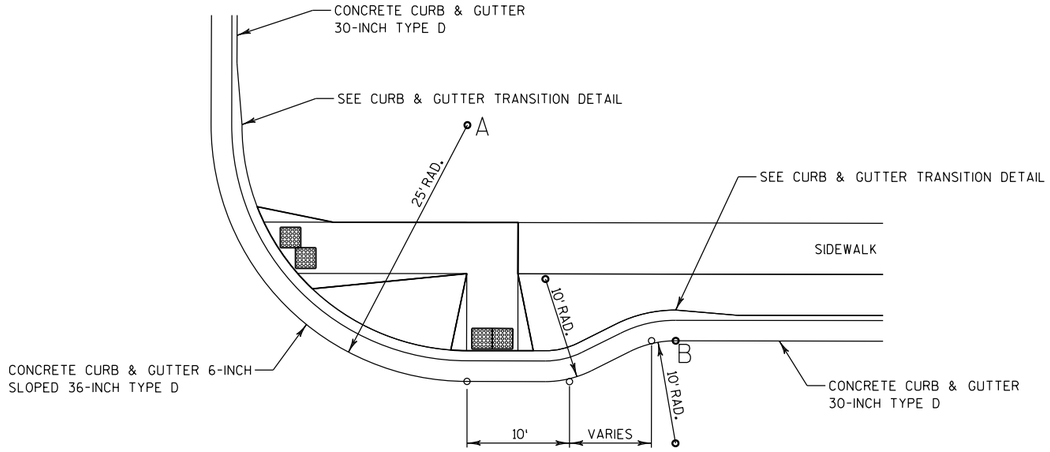
NOTE:
*CLEAR WIDTH IS TO EDGE OF FLANGE



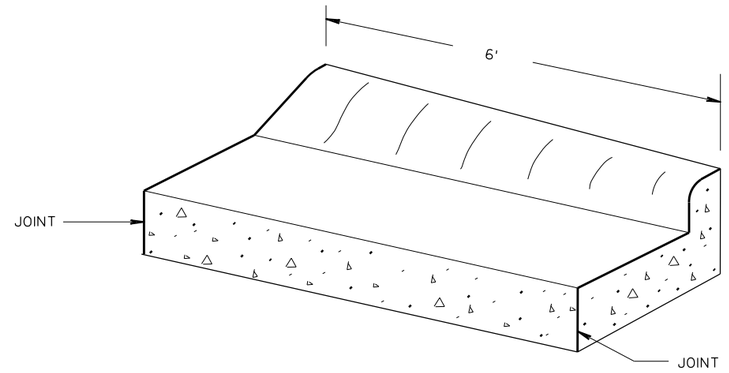
FLANGE DETAIL

CONCRETE SIDEWALK 5-INCH WITH INTEGRAL FOOTING DETAIL

STA 22+25 - STA 22+75



CONSTRUCTION DETAIL AT BUMP OUTS

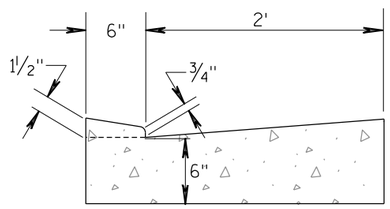


CURB & GUTTER TRANSITION DETAIL

CONCRETE CURB & GUTTER 30-INCH TYPE D TO CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
(TO BE MEASURED & PAID FOR AS CONCRETE CURB & GUTTER 30-INCH TYPE D)

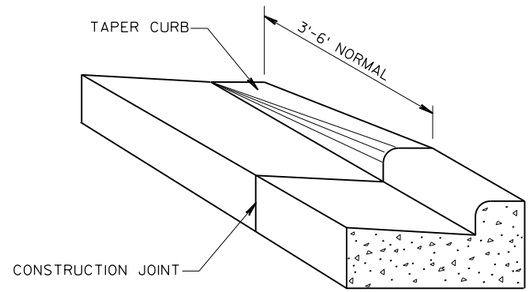
NOTE

FLOWLINE OFFSET REMAINS THE
SAME TROUGHOUT TRANSITION

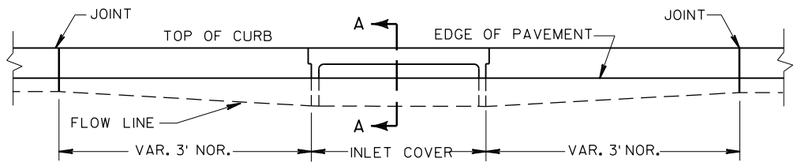


CONCRETE CURB & GUTTER 30-INCH TYPE D WITH NO CURB HEAD / DRIVEWAY CURB HEAD

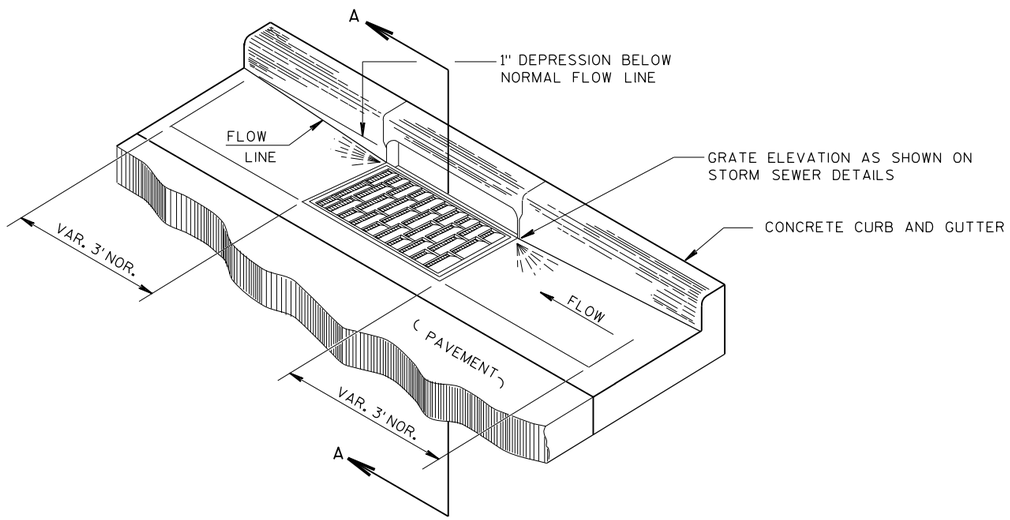
CONCRETE CURB & GUTTER FOR DRIVEWAYS
TO BE PAID FOR AS CONCRETE CURB & GUTTER 30-INCH TYPE D
OR CONCRETE CURB & GUTTER HES 30-INCH TYPE D
(FOR DETAILS NOT SHOWN, SEE SDD CONCRETE CURB,
CONCRETE CURB & GUTTER AND TIES)

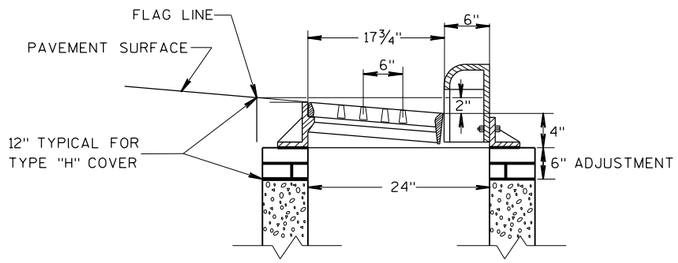


DETAIL OF CURB & GUTTER TERMINI



ELEVATION

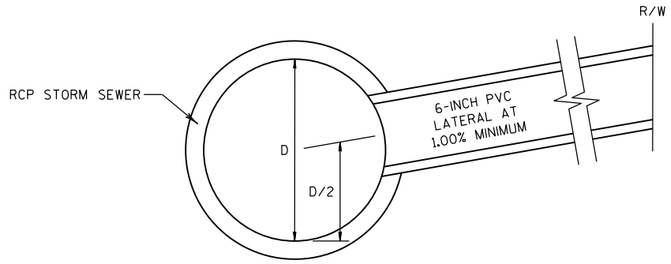




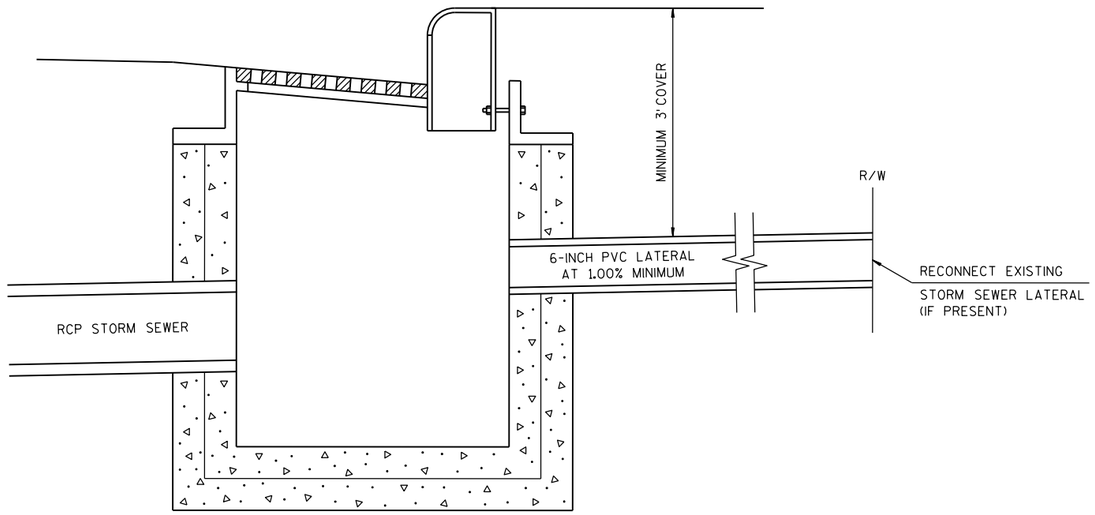
SECTION A-A

DETAIL OF CURB AND GUTTER AT INLETS

(CATCH BASIN 2X3-FEET SHOWN)



PIPE CORE CONNECTION DETAIL

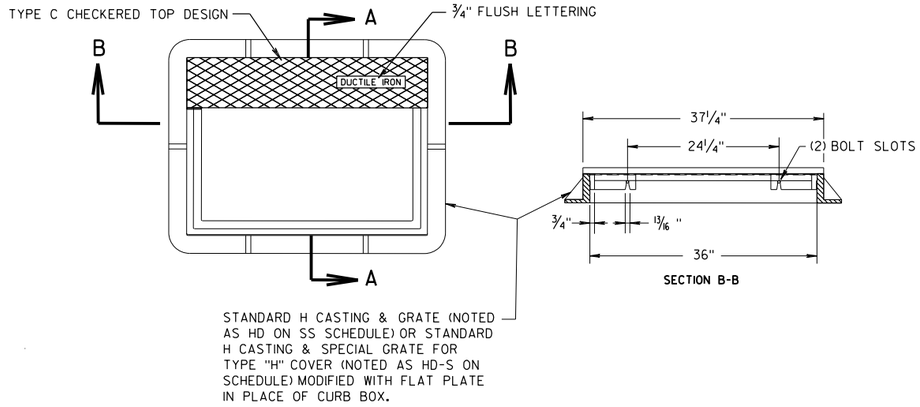


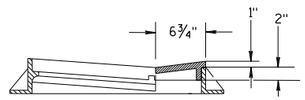
CATCH BASIN CONNECTION DETAIL

RESIDENTIAL STORM SEWER LATERAL DETAIL

NOTE

ALL LABOR AND MATERIALS NECESSARY FOR CONNECTION TO STORM SEWER SHALL BE INCIDENTAL TO THE BID ITEM OF RESIDENTIAL STORM SEWER LATERALS





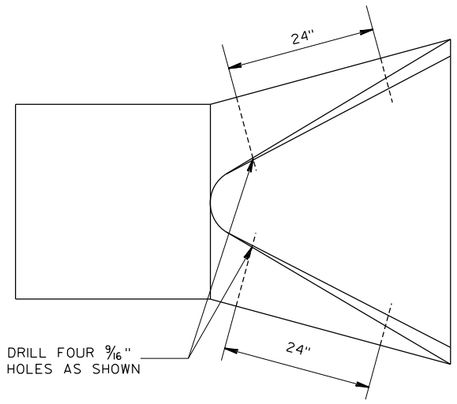
APPROXIMATE WT. (375 LBS.)

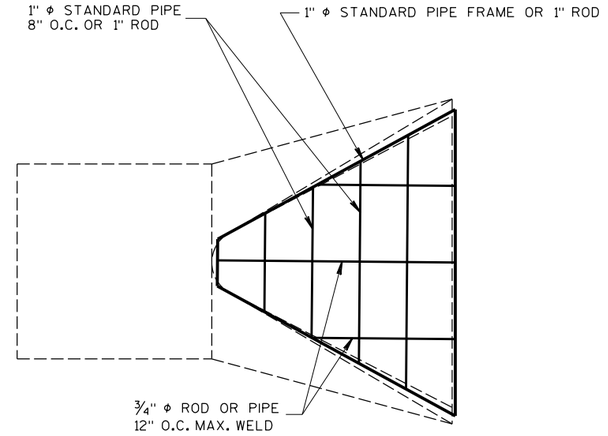
INLET COVERS TYPE HD

(WITH MOUNTABLE CURB PLATE)
FOR PLACEMENT IN DRIVEWAYS
OR AREAS WITH NO CURB HEAD

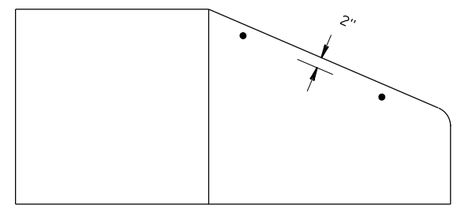
NOTE

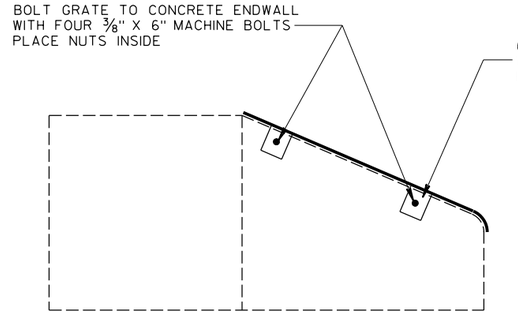
FOR DETAILS NOT SHOWN, SEE SDD FOR INLET COVERS TYPE A, H, A-S, & H-S

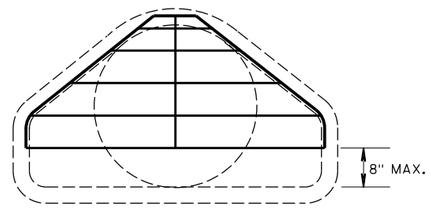




AT EACH PIPE





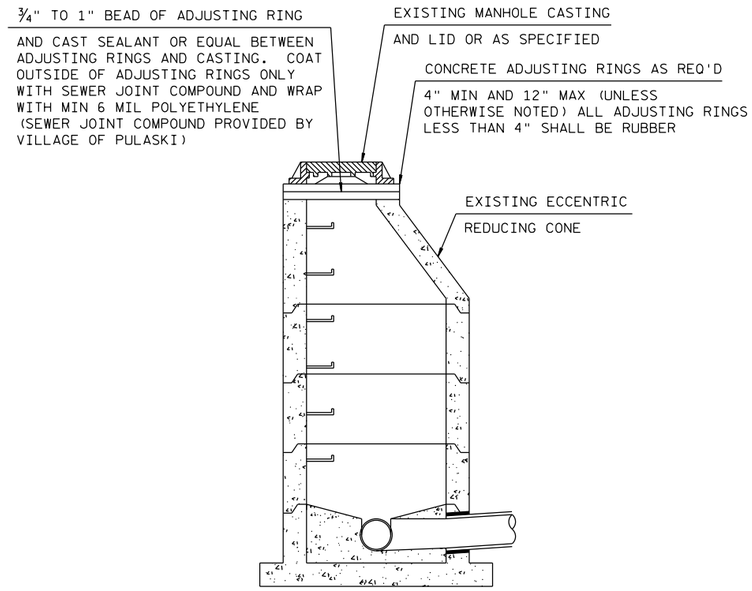


PIPE GRATE DETAIL

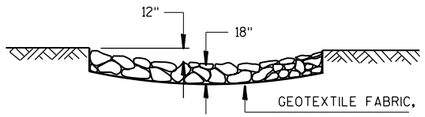
RUNOFF COEFFICIENT TABLE

	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP- TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE- TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

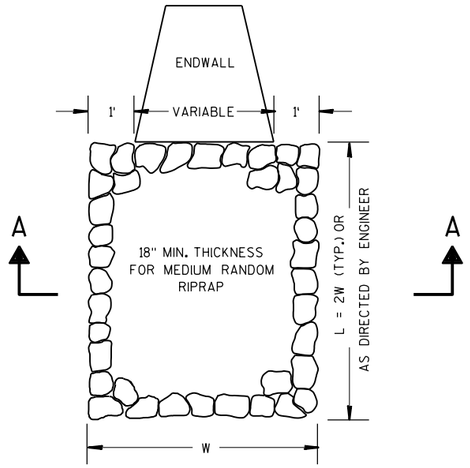
TOTAL PROJECT AREA = 42 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 21 ACRES



TYPICAL SANITARY MANHOLE ADJUSTMENT DETAIL

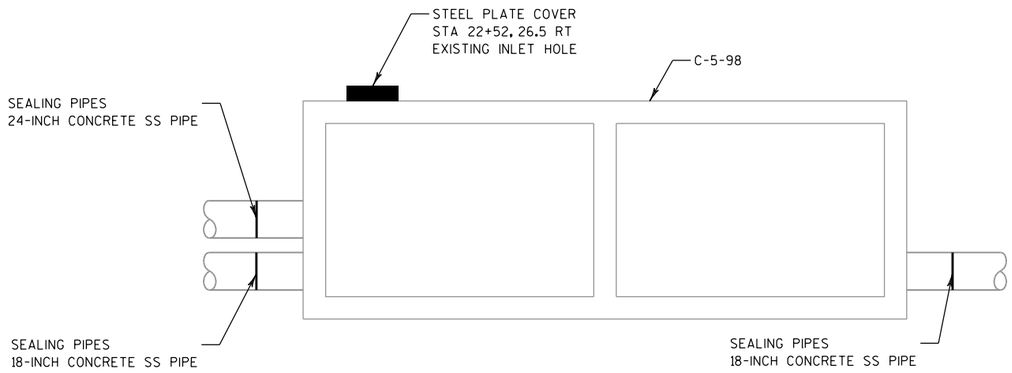


SECTION A-A

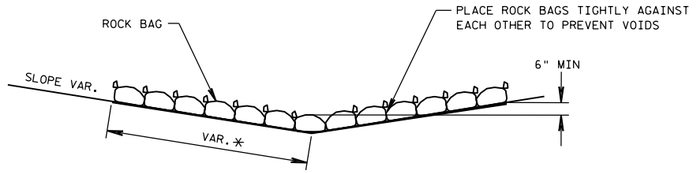


MEDIUM RANDOM RIPRAP TREATMENT AT CULVERTS

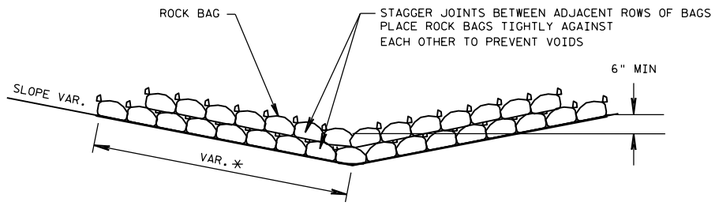
NOTE
SEE EROSION CONTROL PLANS FOR ADDITIONAL INFORMATION



STORM SEWER DISCONNECTION DETAIL
C-5-98
(LOOKING NORTH)



SIDE VIEW (SINGLE LAYER)



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

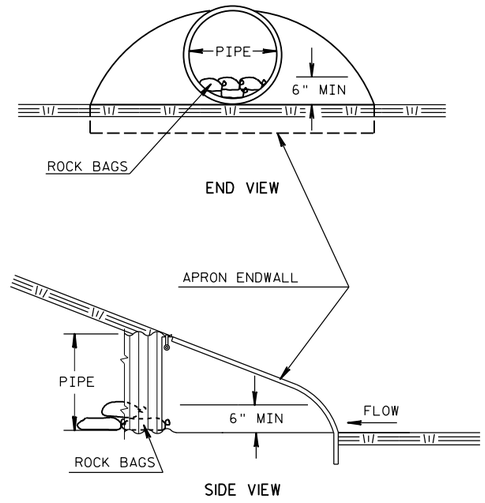
SIDE VIEW (MULTIPLE LAYER)

TEMPORARY ROCK BAG DITCH CHECKS

PAID AS ROCK BAGS

NOTE

SEE EROSION CONTROL PLANS
FOR ADDITIONAL INFORMATION



END VIEW

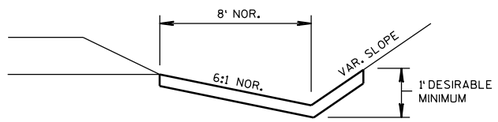
SIDE VIEW

CULVERT PIPE CHECKS

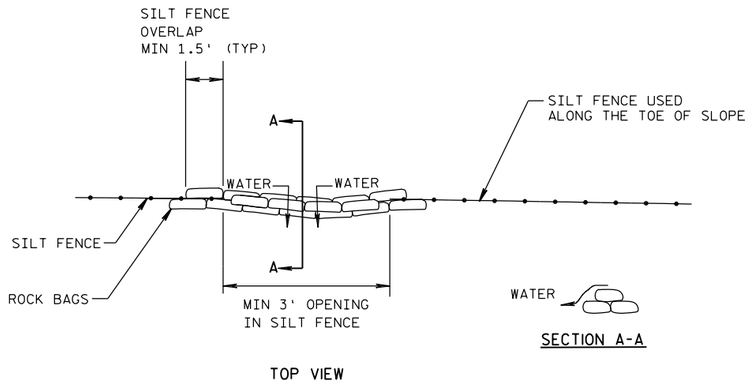
INSTALL ON INLET END

NOTE

SEE EROSION CONTROL PLANS
FOR ADDITIONAL INFORMATION



EROSION MAT DETAIL FOR DITCHES



TOP VIEW

SECTION A-A

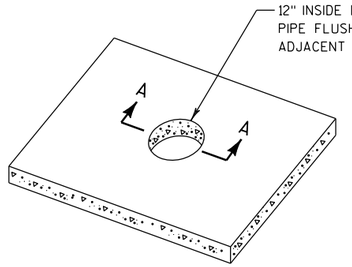
ROCK BAGS SILT FENCE RELIEF DETAIL

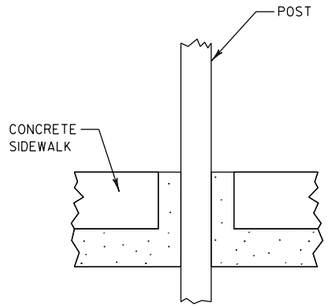
PAID AS ROCK BAGS

NOTE

SEE EROSION CONTROL PLANS
FOR ADDITIONAL INFORMATION

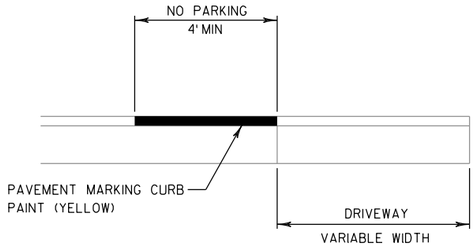
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CONSTRUCTION DETAILS	SHEET 23	E



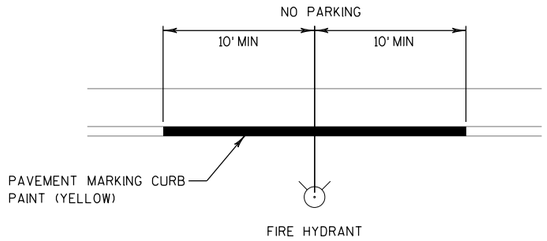


SECTION A-A

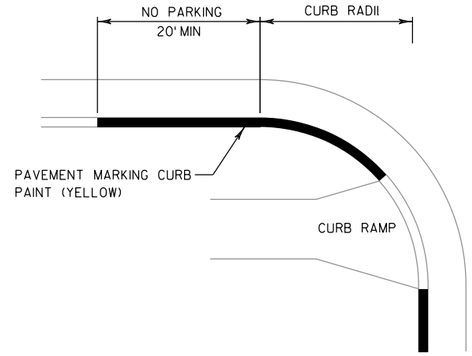
BOX OUT FOR SIGNS



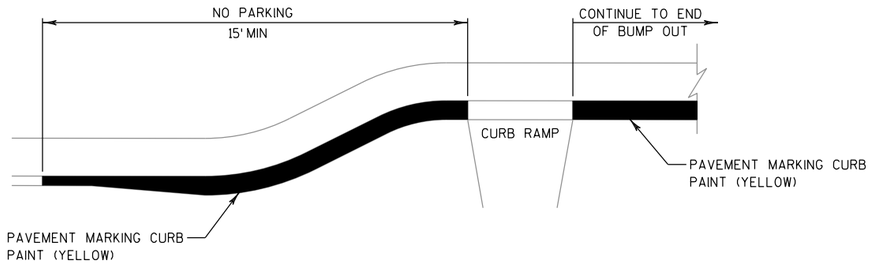
CURB PAINT AT DRIVEWAYS



CURB PAINT AT FIRE HYDRANTS



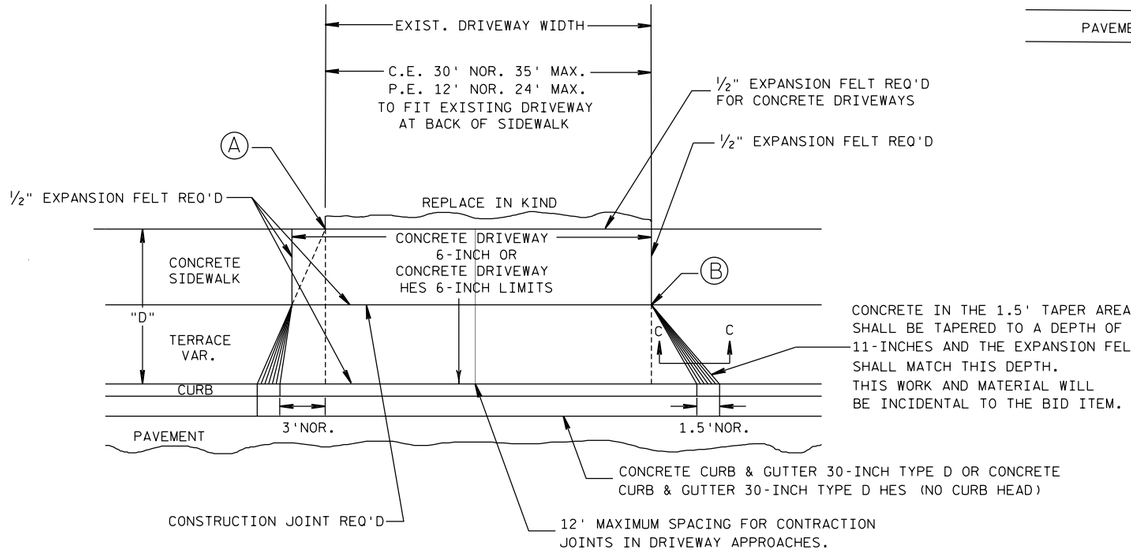
PAVEMENT MARKING CURB PAINT STANDARD AT CURB RADII



PAVEMENT MARKING CURB PAINT AT BUMP OUTS

PAVEMENT MARKING CURB PAINT DETAIL

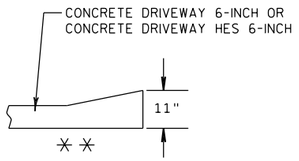
2



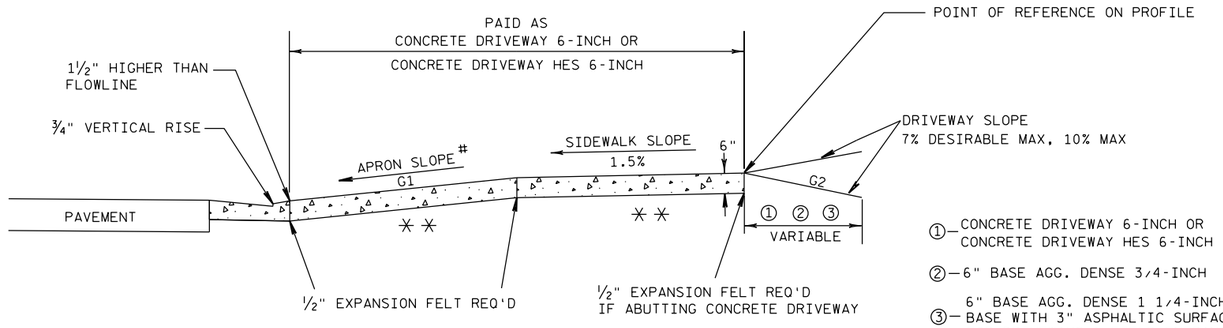
PLAN VIEW

Ⓐ WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

Ⓑ WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK



SECTION C-C



DRIVEWAY APRON THROUGH CONCRETE SIDEWALK

① — CONCRETE DRIVEWAY 6-INCH OR CONCRETE DRIVEWAY HES 6-INCH

② — 6" BASE AGG. DENSE 3/4-INCH

③ — 6" BASE AGG. DENSE 1 1/4-INCH BASE WITH 3" ASPHALTIC SURFACE FOR DRIVEWAYS & FIELD ENTRANCES

✳✳ = 6" BASE AGG. DENSE 1 1/4-INCH REQ'D UNDER CONCRETE DRWY

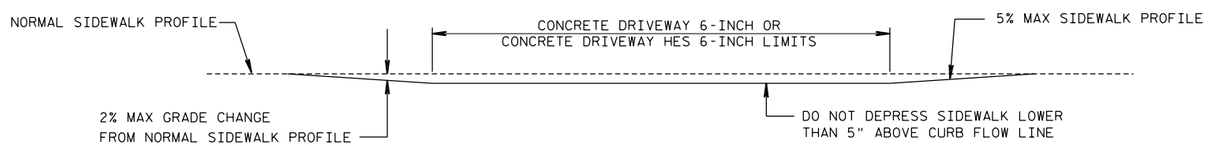
\#

TERRACE WIDTH	APRON SLOPE (G1) MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

NOTES

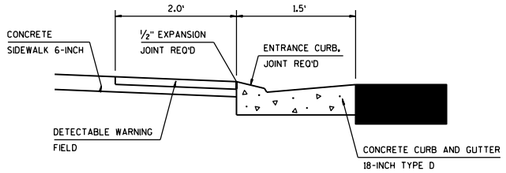
ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE - SEE PROFILE DETAIL

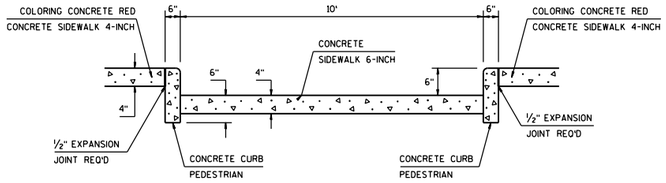


DEPRESSED SIDEWALK PROFILE DETAIL

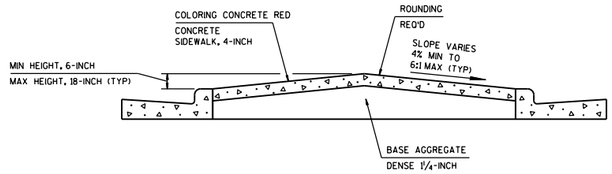
DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER



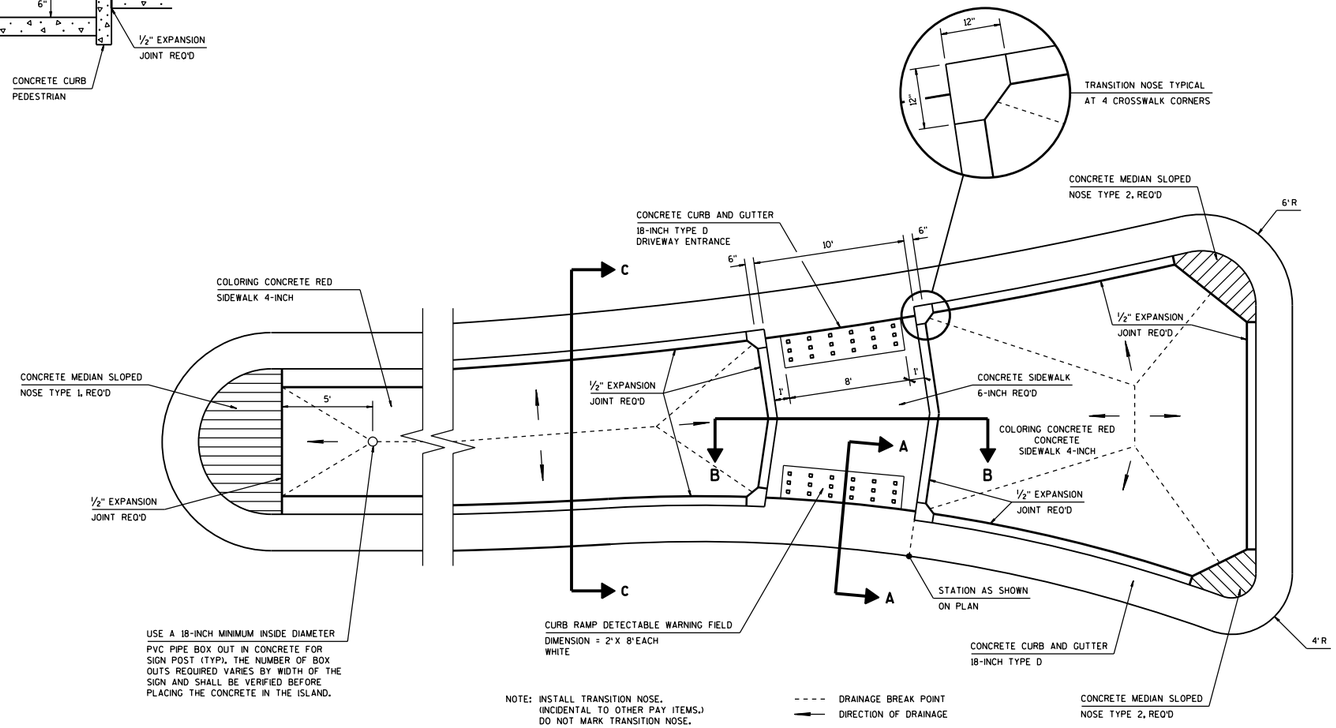
SECTION A-A



SECTION B-B

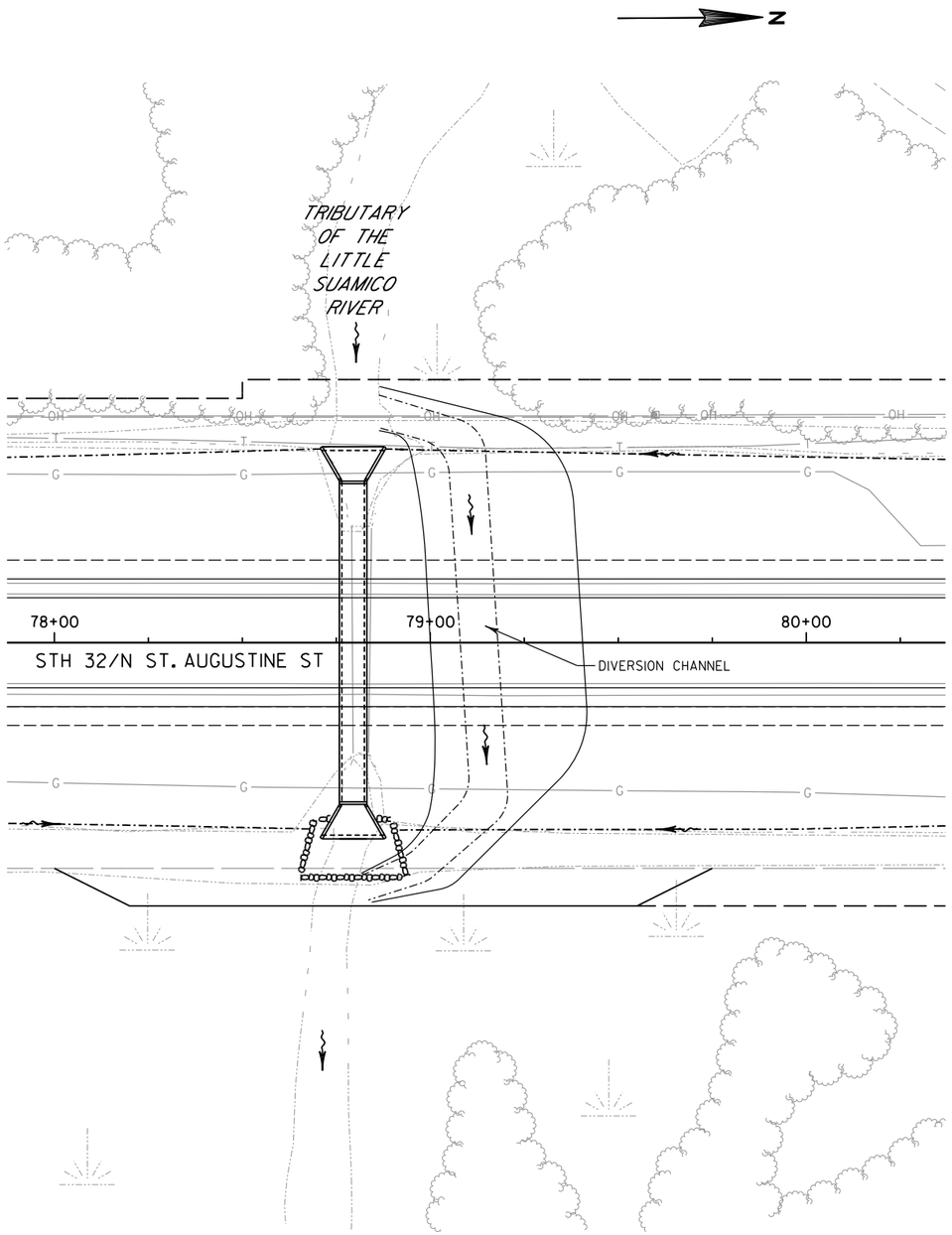


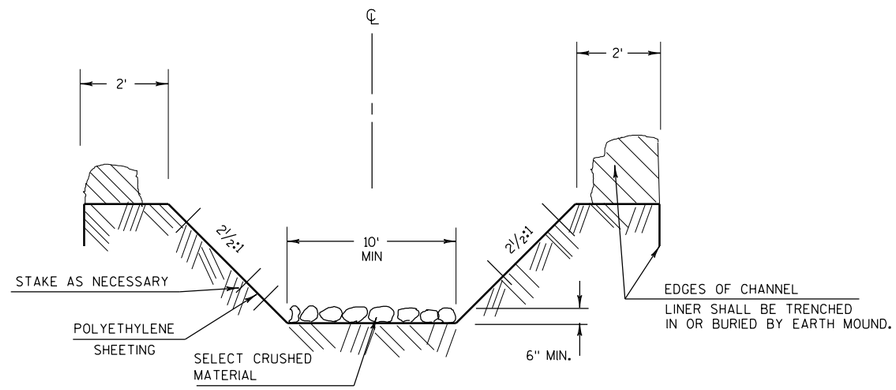
SECTION C-C



ISLAND DETAIL

35+75, RT



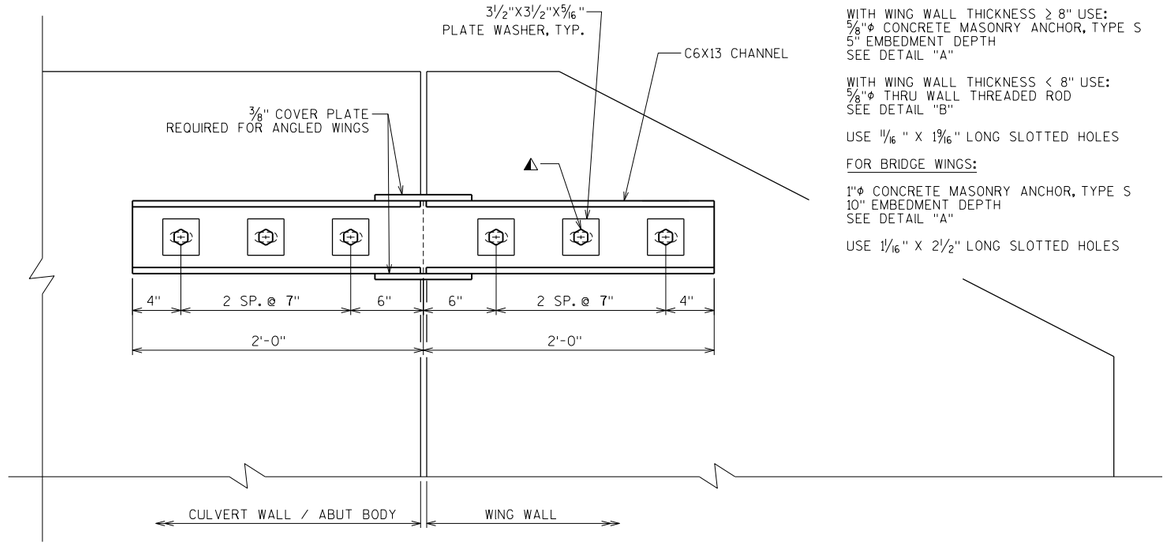


TYPICAL SECTION OF DIVERSION CHANNEL

STRUCTURE C-58-30

DIVERSION CHANNEL

CONCEPT FOR DIVERSION CHANNEL SHOWN
FINAL CONFIGURATION SHALL BE ADDRESSED BY THE CONTRACTOR IN THE ECIP



⚠ FOR CULVERT WINGS:

WITH WING WALL THICKNESS ≥ 8" USE:
5⁄8"ϕ CONCRETE MASONRY ANCHOR, TYPE S
5" EMBEDMENT DEPTH
SEE DETAIL "A"

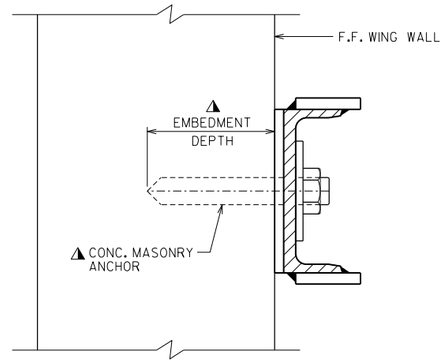
WITH WING WALL THICKNESS < 8" USE:
5⁄8"ϕ THRU WALL THREADED ROD
SEE DETAIL "B"

USE 11⁄16" X 1 3⁄16" LONG SLOTTED HOLES

FOR BRIDGE WINGS:

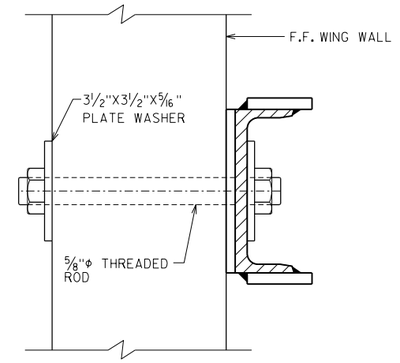
1"ϕ CONCRETE MASONRY ANCHOR, TYPE S
10" EMBEDMENT DEPTH
SEE DETAIL "A"

USE 1⁄16" X 2½" LONG SLOTTED HOLES



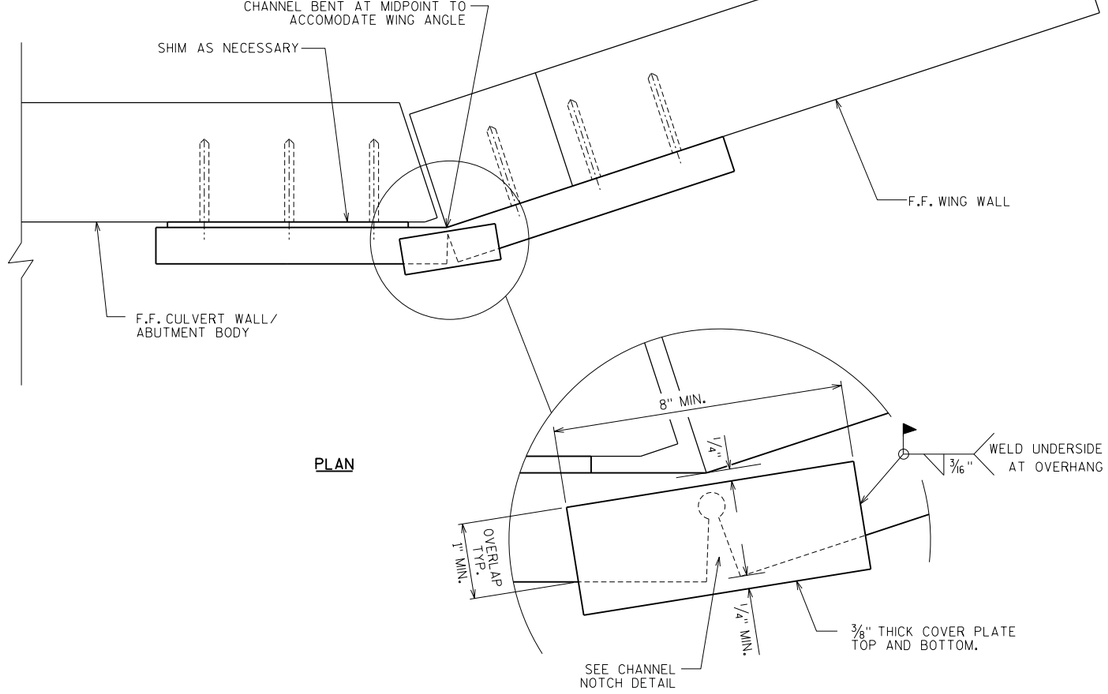
DETAIL "A"

SECTION THRU CHANNEL



DETAIL "B"

SECTION THRU CHANNEL



PLAN

GENERAL NOTES

WING STRAPPING DETAIL FOR THE PURPOSE OF MITIGATING INWARD WING TIPPING, AS AN ALTERNATIVE TO THE PREFERRED METHOD OF WING REPLACEMENT.

BID ITEM SHALL BE "STRAPPING C-05-98" WHICH INCLUDES ALL ITEMS SHOWN.

WISDOT REGIONAL BRIDGE MAINTENANCE ENGINEER TO APPROVE USE OF DETAIL PRIOR TO INSTALLATION.

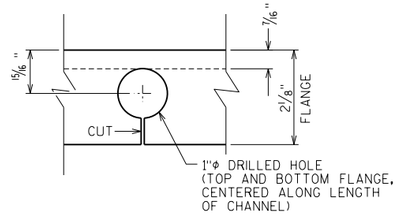
ALL PROVIDED STEEL MATERIAL SHALL CONFORM TO ASTM A36.

ALL STRUCTURAL STEEL SHOWN SHALL BE GALVANIZED. THREADED RODS, MASONRY ANCHORS, NUTS AND WASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153 CLASS C.

CUTTING AND DRILLING OF CHANNEL SHALL BE DONE IN FABRICATION SHOP, PRIOR TO GALVANIZING.

IF WELDING COVER PLATE IN FIELD, PRIOR TO WELDING, REMOVE GALVANIZING FROM AREA TO BE WELDED. TOUCH UP WITH PAINT ALL AREAS LACKING GALVANIZING WHEN COMPLETE.

CHAUK AROUND PERIMETER OF CHANNEL AND FILL PORTION OF HOLE AROUND ANCHOR BOLT AND SHIM WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER.



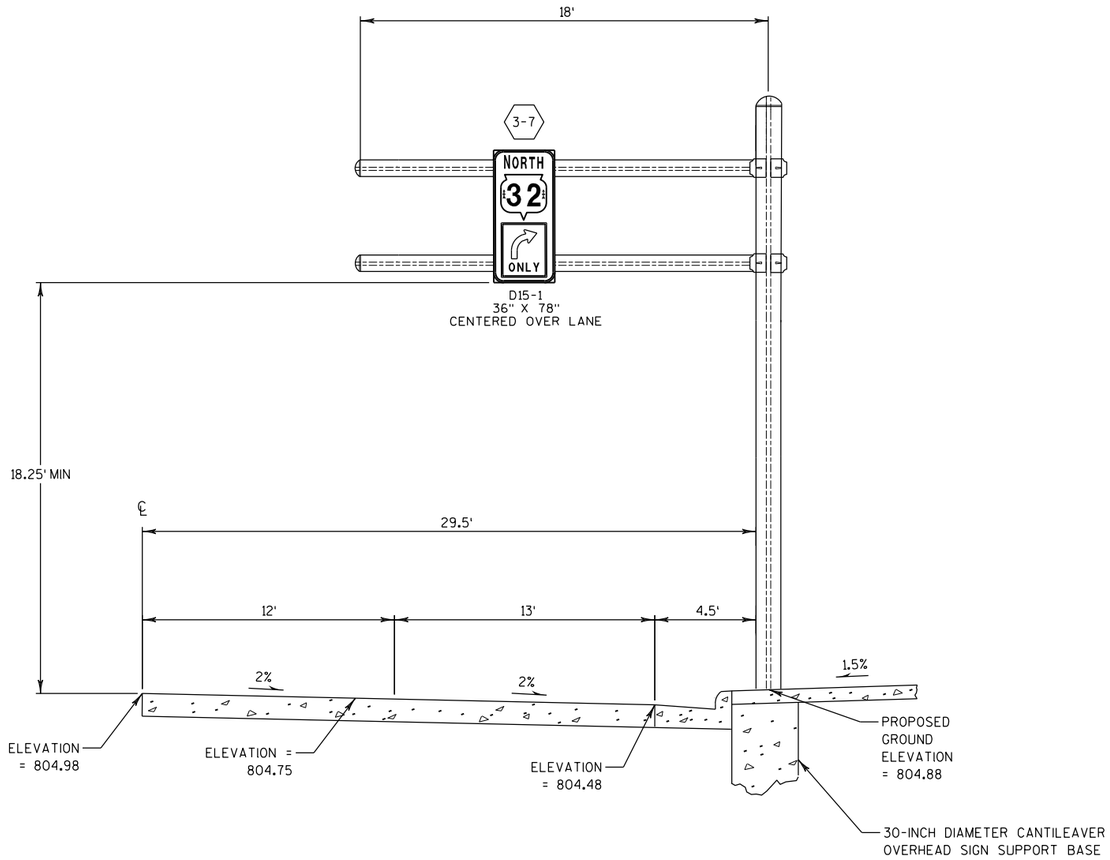
CHANNEL NOTCH DETAIL

FOR USE WITH ANGLED WINGS ONLY

WING STRAPPING C-05-98 DETAIL

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CONSTRUCTION DETAIL - WING STRAPPING C-05-98	SHEET 28	E

2



OVERHEAD SIGN MOUNTING STRUCTURE - 18' SPAN

STH 32 NORTH
S-05-143
STA 34+50

GENERAL NOTES

1) DRAWINGS NOT TO SCALE

2) DESIGN NEW OVERHEAD SIGN SUPPORTS ACCORDING TO THE LATEST EDITION OF, AND SUPPLEMENTAL TO THE STATE OF WISCONSIN "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" AND AASHTO "STANDARD SPECIFICATIONS FOR STRUCTURALSUPPORTS FOR HIGHWAY SIGNS, LUMINAIRIES, AND TRAFFIC SIGNALS."

3) PROVIDE AN IDENTIFICATION PLAQUE FOR ALL OVERHEAD SIGN SUPPORTS, TO BE CONSIDERED INCIDENTIAL TO THE BID ITEM "OVERHEAD SIGN SUPPORT".

4) SIZE THE ANCHOR BOLT/TEMPLATE ASSEMBLY TO FIT WITHIN THE BAR CAGE OF THE FOOTING BASE SHOWN IN THE CONTRACT PLANS IN ADDITION TO MEETING ALL APPLICABLE DESIGN REQUIREMENTS FOR THE DESIGN OF THE UPRIGHT BASE CONNECTION.

5) PROVIDE DESIGN CALCULATIONS.

6) SIGNS OR BLANKS SHALL BE INSTALLED ON THE OVERHEAD SIGN SUPPORT AT THE TIME OF ERECTION. BLANKS, IF USED, SHALL BE OF THE SAME SIZE AND LOCATION AS PERMANENT SIGNS.

7) DESIGN THE STRUCTURE BASE PLATE CONNECTION TO ACCOMODATE A MINIMUM OF SIX (6) ANCHOR BOLTS.

NOTES

RADIUS AND ROADWAY WIDTH DIMENSIONS ARE SHOWN TO CURB & GUTTER FLANGELINE

SIDEWALK AND TERRACE DIMENSIONS ARE SHOWN TO THE FACE OF CURB & GUTTER

PAVEMENT GRADES ARE GENERALLY SHOWN AT THE END OF CURB AND GUTTER RADII AND AT 50' INTERVALS UNLESS OTHERWISE NOTED

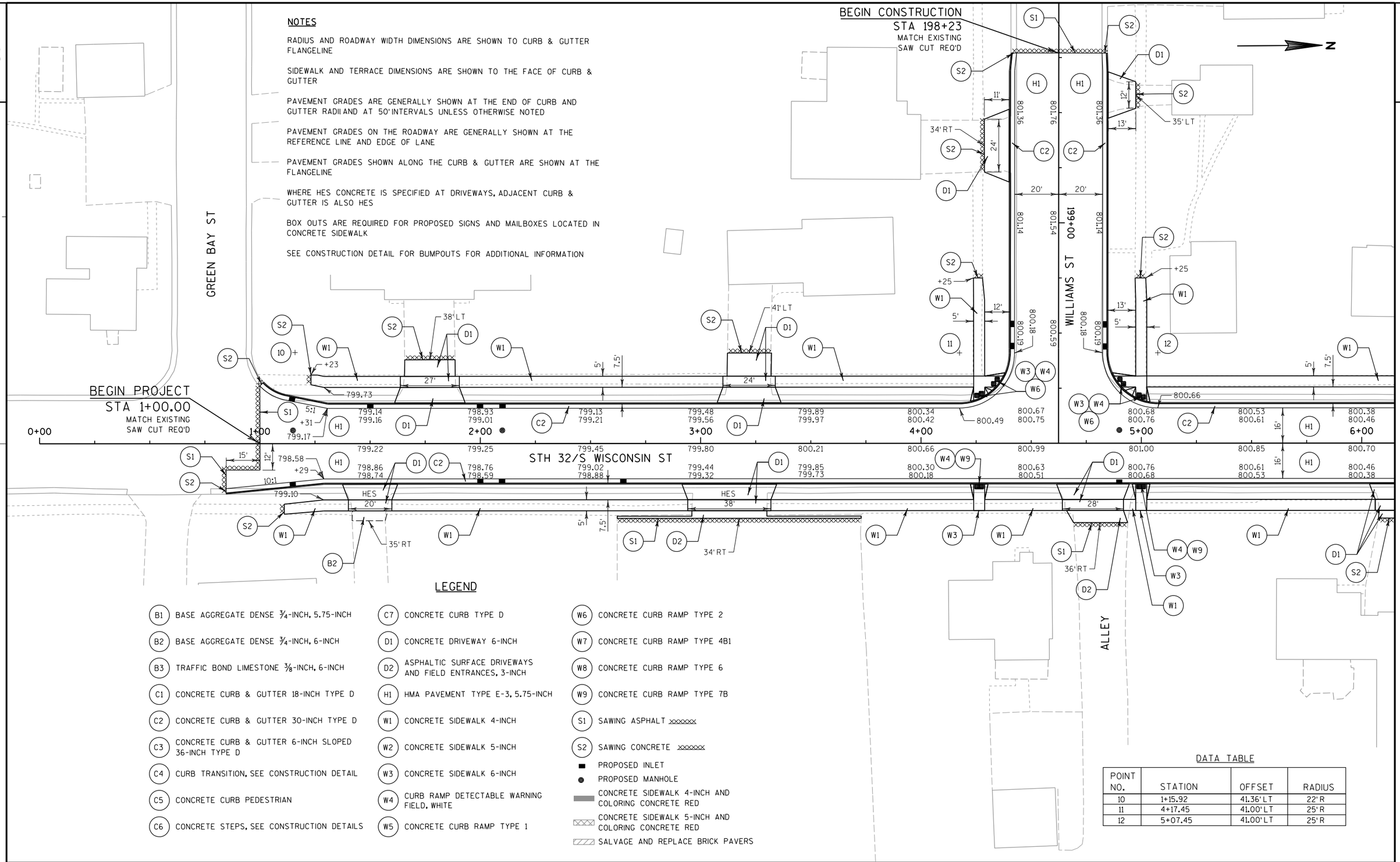
PAVEMENT GRADES ON THE ROADWAY ARE GENERALLY SHOWN AT THE REFERENCE LINE AND EDGE OF LANE

PAVEMENT GRADES SHOWN ALONG THE CURB & GUTTER ARE SHOWN AT THE FLANGELINE

WHERE HES CONCRETE IS SPECIFIED AT DRIVEWAYS, ADJACENT CURB & GUTTER IS ALSO HES

BOX OUTS ARE REQUIRED FOR PROPOSED SIGNS AND MAILBOXES LOCATED IN CONCRETE SIDEWALK

SEE CONSTRUCTION DETAIL FOR BUMPOUTS FOR ADDITIONAL INFORMATION



LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
- W6 CONCRETE CURB RAMP TYPE 2
- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT
- S2 SAWING CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
10	1+15.92	41.36' LT	22' R
11	4+17.45	41.00' LT	25' R
12	5+07.45	41.00' LT	25' R

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 30	E

NOTES:

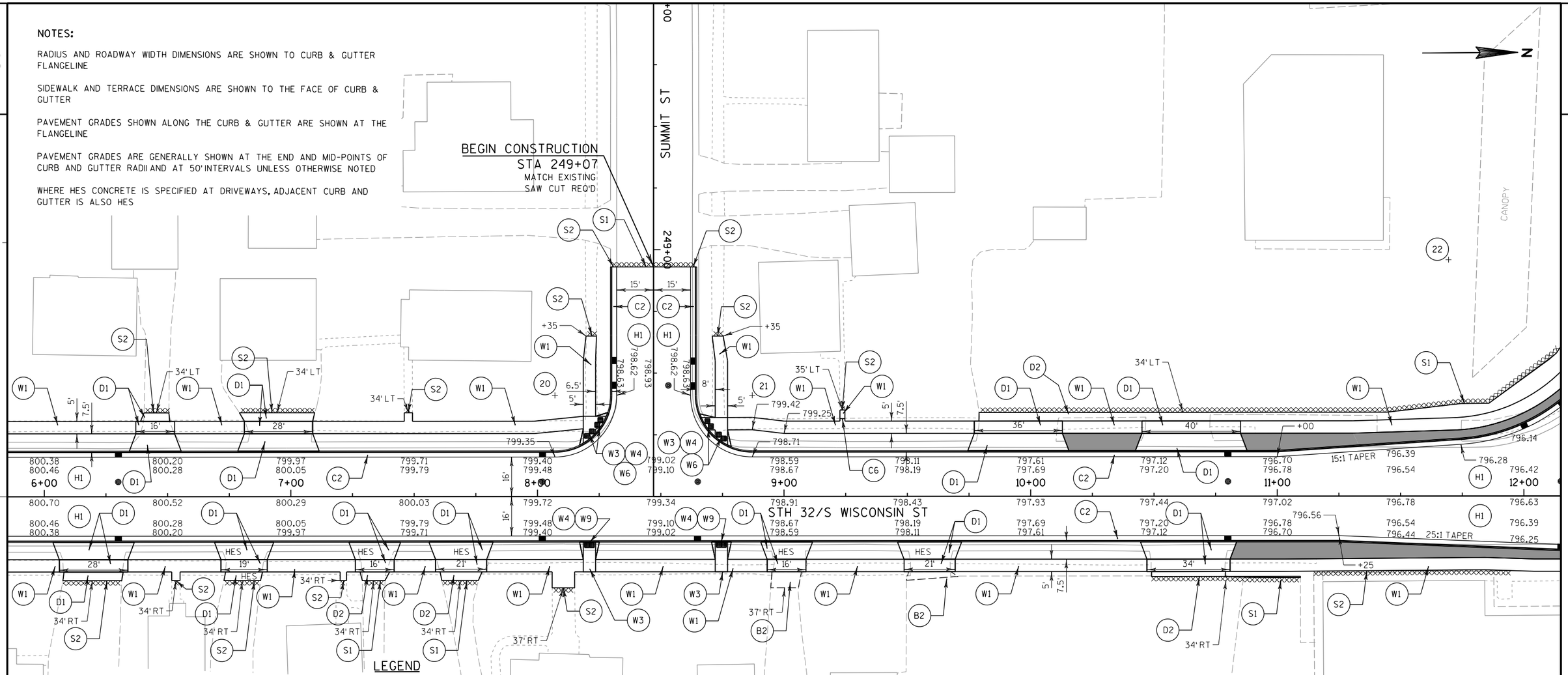
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PAVEMENT GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB AND GUTTER RADII AND AT 50' INTERVALS UNLESS OTHERWISE NOTED

WHERE HES CONCRETE IS SPECIFIED AT DRIVEWAYS, ADJACENT CURB AND GUTTER IS ALSO HES



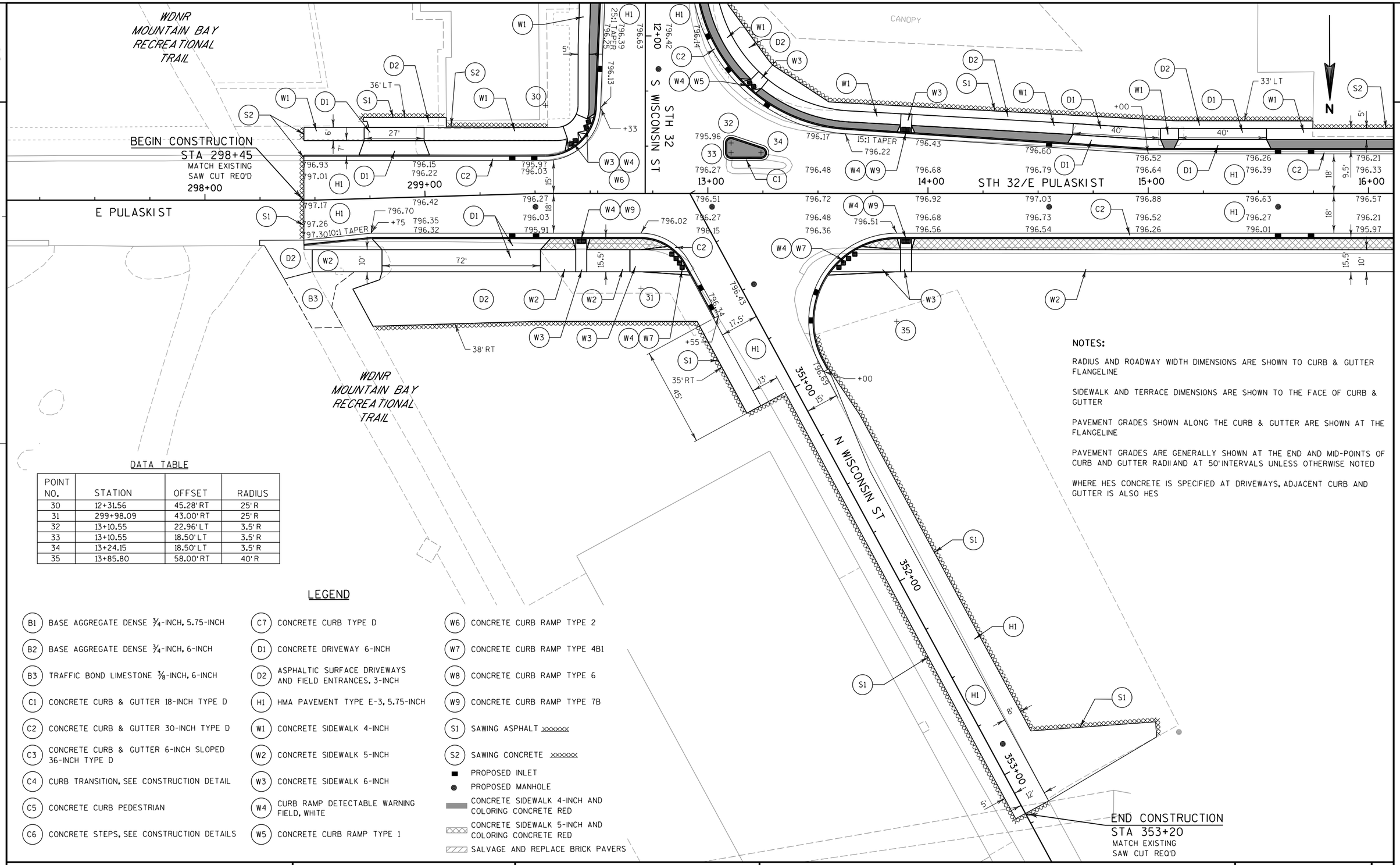
LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
- W6 CONCRETE CURB RAMP TYPE 2
- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT
- S2 SAWING CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
20	8+07.10	41.00' LT	25' R
21	8+87.10	41.00' LT	25' R
22	11+69.48	95.80' LT	75' R

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 31	E



DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
30	12+31.56	45.28' RT	25' R
31	299+98.09	43.00' RT	25' R
32	13+10.55	22.96' LT	3.5' R
33	13+10.55	18.50' LT	3.5' R
34	13+24.15	18.50' LT	3.5' R
35	13+85.80	58.00' RT	40' R

LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
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- W5 CONCRETE CURB RAMP TYPE 1
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- W7 CONCRETE CURB RAMP TYPE 4B1
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- W9 CONCRETE CURB RAMP TYPE 7B
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- S2 SAWING CONCRETE
- PROPOSED INLET
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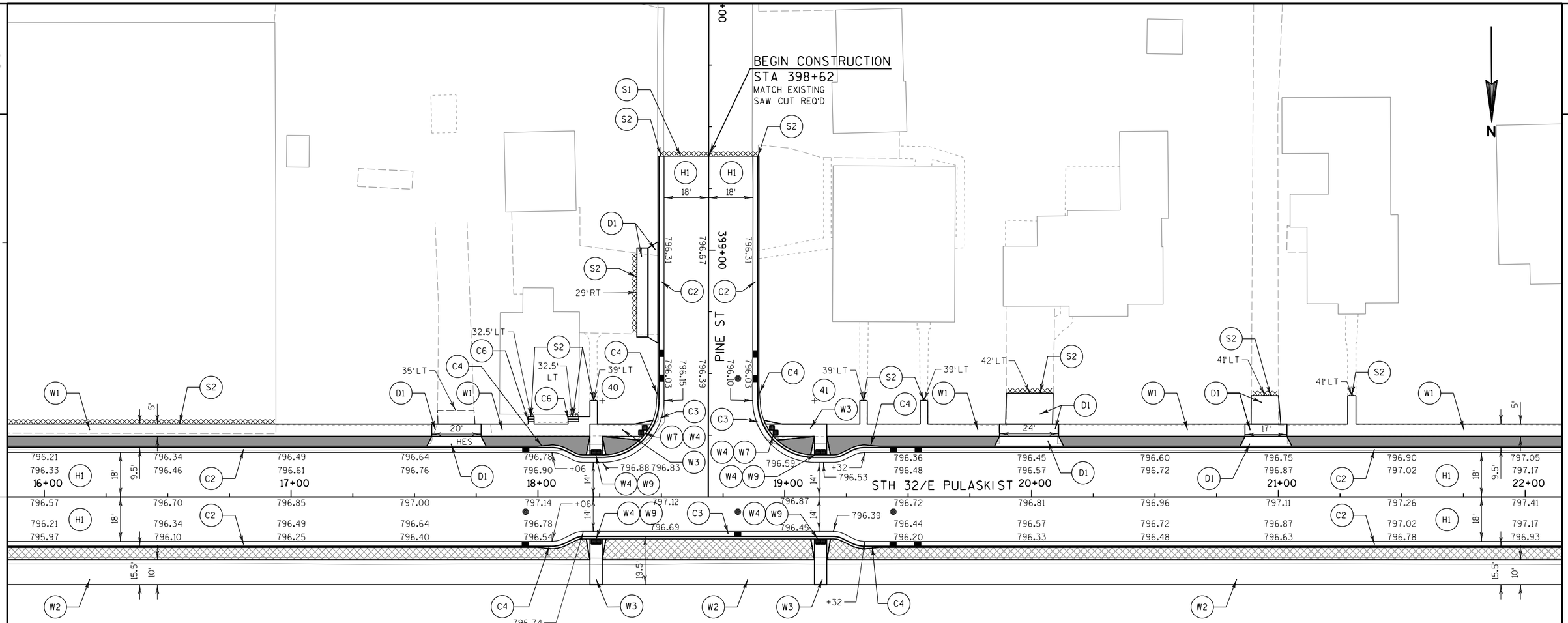
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SIDEWALK AND TERRACE DIMENSIONS ARE SHOWN TO THE FACE OF CURB & GUTTER

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PAVEMENT GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB AND GUTTER RADII AND AT 50' INTERVALS UNLESS OTHERWISE NOTED

WHERE HES CONCRETE IS SPECIFIED AT DRIVEWAYS, ADJACENT CURB AND GUTTER IS ALSO HES



LEGEND

- B1 BASE AGGREGATE DENSE 3/4-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE 3/8-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
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- W6 CONCRETE CURB RAMP TYPE 2
- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT xxxxxx
- S2 SAWING CONCRETE xxxxxx
- PROPOSED INLET
- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
40	18+26.06	39.00'LT	25'R
41	19+12.06	39.00'LT	25'R

NOTES:

RADIUS AND ROADWAY WIDTH DIMENSIONS ARE SHOWN TO CURB & GUTTER FLANGELINE

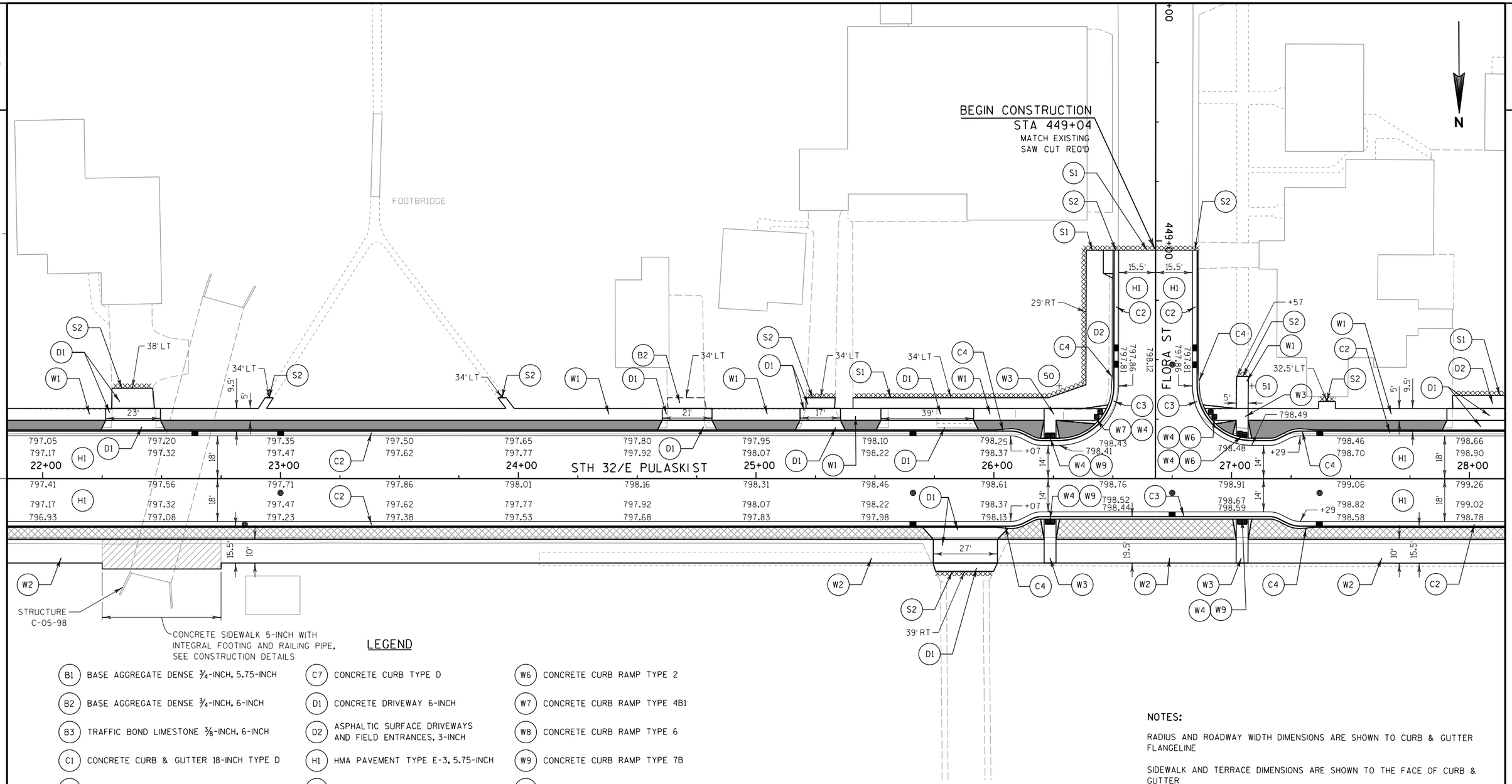
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WHERE HES CONCRETE IS SPECIFIED AT DRIVEWAYS, ADJACENT CURB AND GUTTER IS ALSO HES

SEE CONSTRUCTION DETAILS FOR ADDITIONAL BUMP OUT LAYOUT INFORMATION



LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
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- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
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- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT
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- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
50	26+27.46	39.00'LT	25'R
51	27+08.45	39.00'LT	25'R

NOTES:

RADIUS AND ROADWAY WIDTH DIMENSIONS ARE SHOWN TO CURB & GUTTER FLANGELINE

SIDEWALK AND TERRACE DIMENSIONS ARE SHOWN TO THE FACE OF CURB & GUTTER

PAVEMENT GRADES SHOWN ALONG THE CURB & GUTTER ARE SHOWN AT THE FLANGELINE

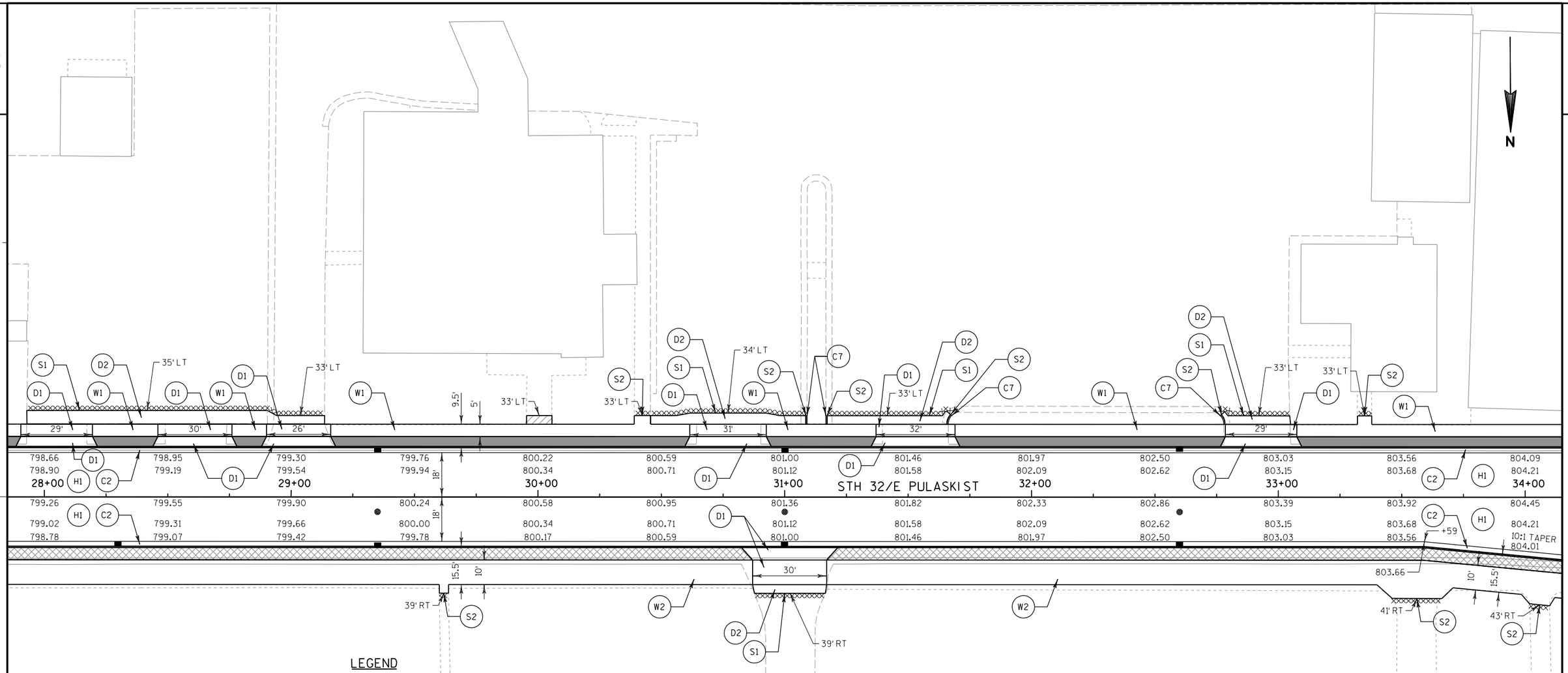
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SEE CONSTRUCTION DETAILS FOR ADDITIONAL BUMP OUT LAYOUT INFORMATION

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 34	E

2



LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
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- D1 CONCRETE DRIVEWAY 6-INCH
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- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT
- S2 SAWING CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

NOTES:

RADIUS AND ROADWAY WIDTH DIMENSIONS ARE SHOWN TO CURB & GUTTER FLANGELINE

SIDEWALK AND TERRACE DIMENSIONS ARE SHOWN TO THE FACE OF CURB & GUTTER

PAVEMENT GRADES SHOWN ALONG THE CURB & GUTTER ARE SHOWN AT THE FLANGELINE

PAVEMENT GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB AND GUTTER RADII AND AT 50' INTERVALS UNLESS OTHERWISE NOTED

WHERE HES CONCRETE IS SPECIFIED AT DRIVEWAYS, ADJACENT CURB AND GUTTER IS ALSO HES

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 35	E

NOTES:

RADIUS AND ROADWAY WIDTH DIMENSIONS ARE SHOWN TO CURB & GUTTER FLANGELINE

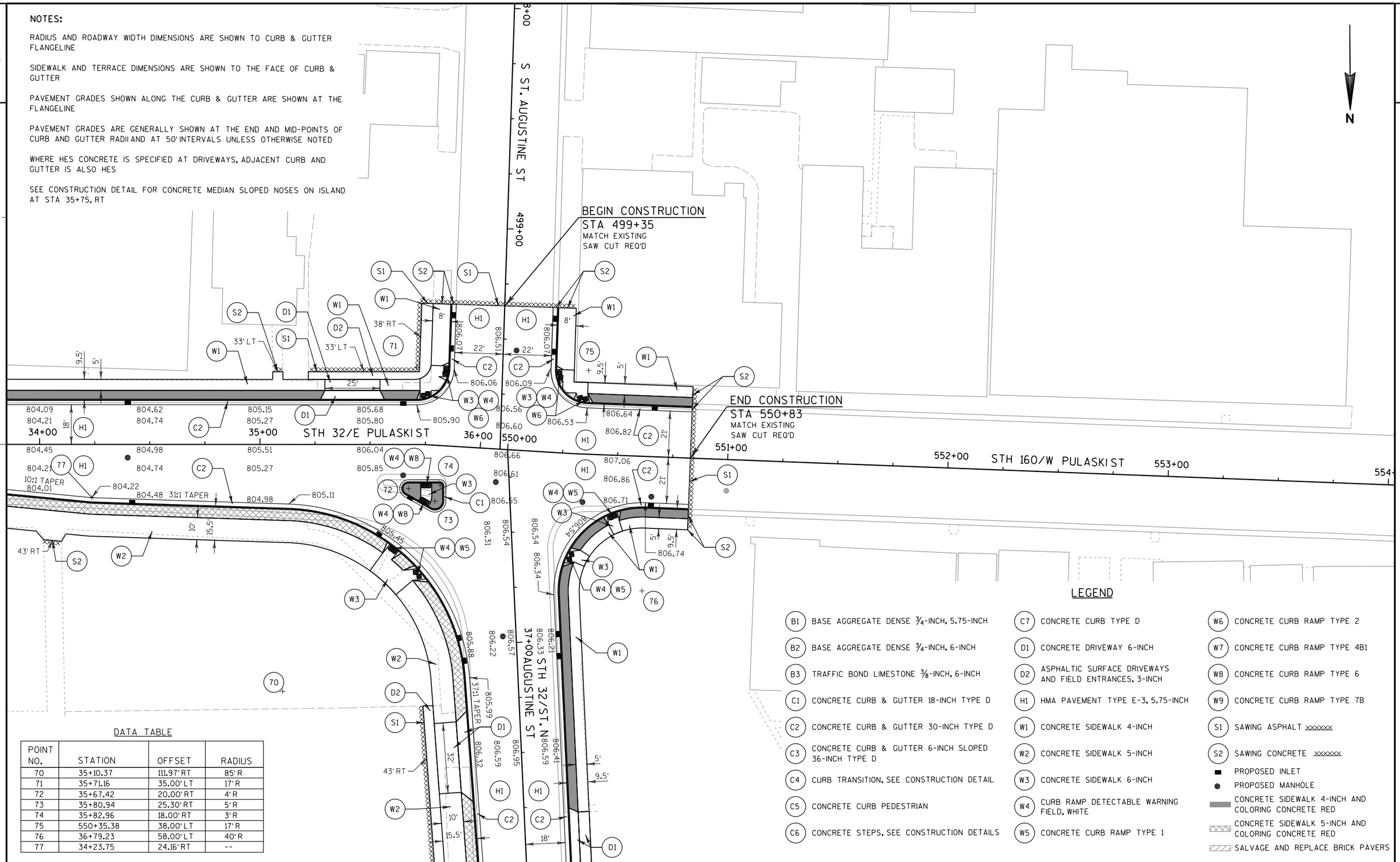
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WHERE HES CONCRETE IS SPECIFIED AT DRIVEWAYS, ADJACENT CURB AND GUTTER IS ALSO HES

SEE CONSTRUCTION DETAIL FOR CONCRETE MEDIAN SLOPED NOSES ON ISLAND AT STA 35+75, RT



DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
70	35+10.37	111.97' RT	85' R
71	35+71.16	35.00' LT	17' R
72	35+67.42	20.00' RT	4' R
73	35+80.94	25.30' RT	5' R
74	35+82.96	18.00' RT	3' R
75	550+35.38	38.00' LT	17' R
76	36+79.23	58.00' LT	40' R
77	34+23.75	24.16' RT	--

LEGEND

B1	BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH	C7	CONCRETE CURB TYPE D	W6	CONCRETE CURB RAMP TYPE 2
B2	BASE AGGREGATE DENSE ¾-INCH, 6-INCH	D1	CONCRETE DRIVEWAY 6-INCH	W7	CONCRETE CURB RAMP TYPE 4B1
B3	TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH	D2	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH	W8	CONCRETE CURB RAMP TYPE 6
C1	CONCRETE CURB & GUTTER 18-INCH TYPE D	H1	HMA PAVEMENT TYPE E-3, 5.75-INCH	W9	CONCRETE CURB RAMP TYPE 7B
C2	CONCRETE CURB & GUTTER 30-INCH TYPE D	W1	CONCRETE SIDEWALK 4-INCH	S1	SAWING ASPHALT xxxxxx
C3	CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D	W2	CONCRETE SIDEWALK 5-INCH	S2	SAWING CONCRETE xxxxxx
C4	CURB TRANSITION, SEE CONSTRUCTION DETAIL	W3	CONCRETE SIDEWALK 6-INCH		PROPOSED INLET
C5	CONCRETE CURB PEDESTRIAN	W4	CURB RAMP DETECTABLE WARNING FIELD, WHITE		PROPOSED MANHOLE
C6	CONCRETE STEPS, SEE CONSTRUCTION DETAILS	W5	CONCRETE CURB RAMP TYPE 1		CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
					CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
					SALVAGE AND REPLACE BRICK PAVERS

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 36	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\021207_pd.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

NOTES:

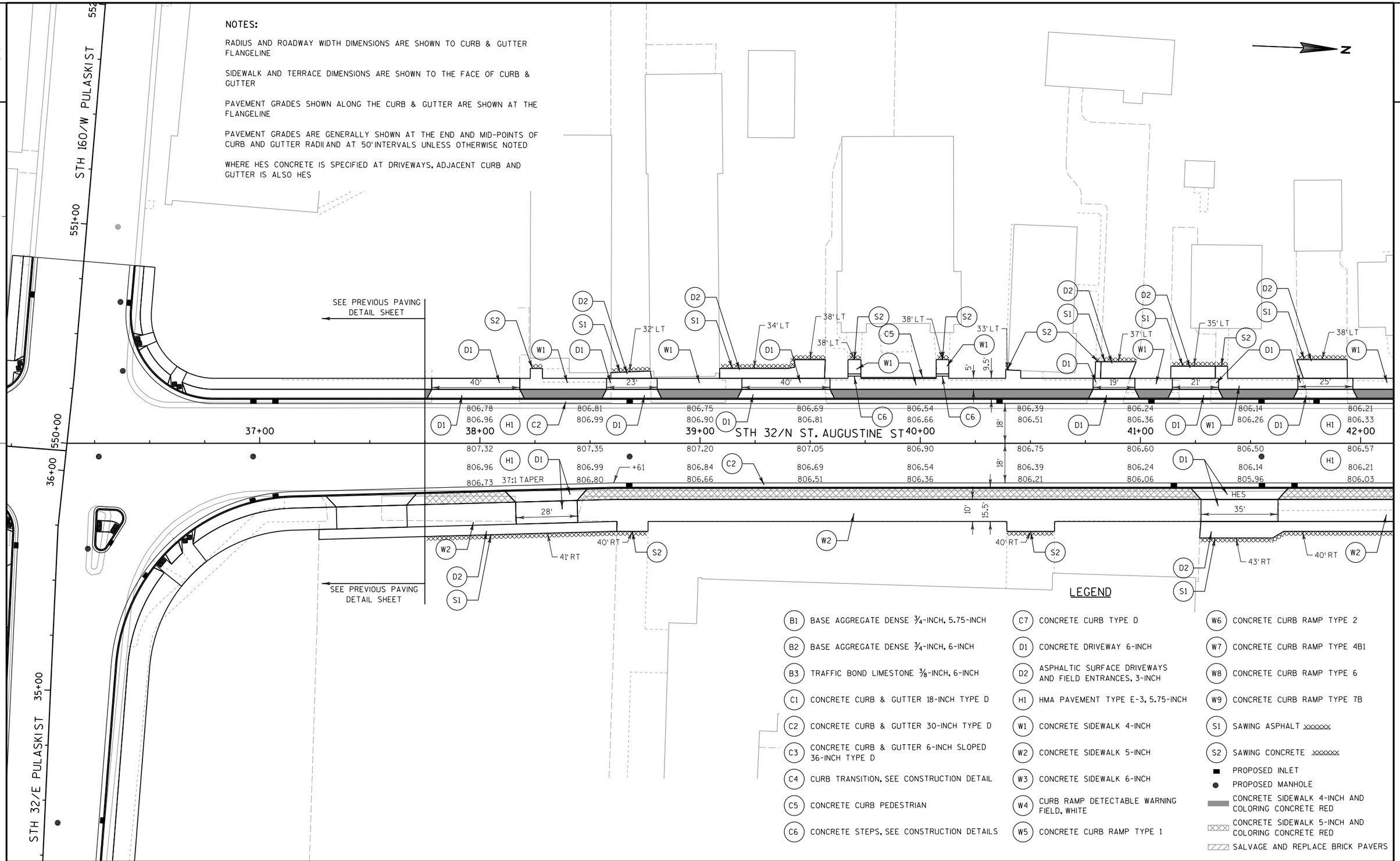
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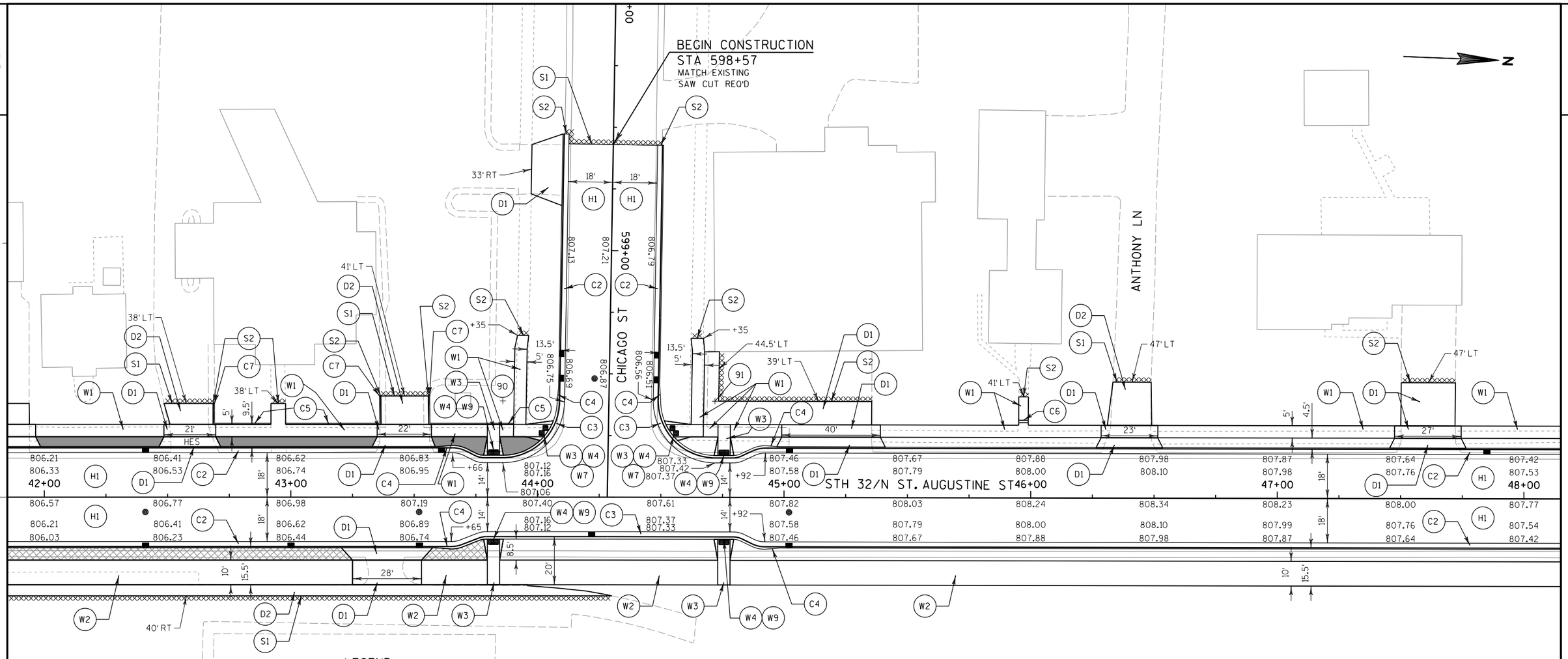
LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
- W6 CONCRETE CURB RAMP TYPE 2
- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT
- S2 SAWING CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 37	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\021208_pd.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42



LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
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- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT
- S2 SAWING CONCRETE
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- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
90	43+85.97	39.00' LT	25' R
91	44+71.91	39.00' LT	25' R

NOTES:

RADIUS AND ROADWAY WIDTH DIMENSIONS ARE SHOWN TO CURB & GUTTER FLANGELINE

SIDEWALK AND TERRACE DIMENSIONS ARE SHOWN TO THE FACE OF CURB & GUTTER

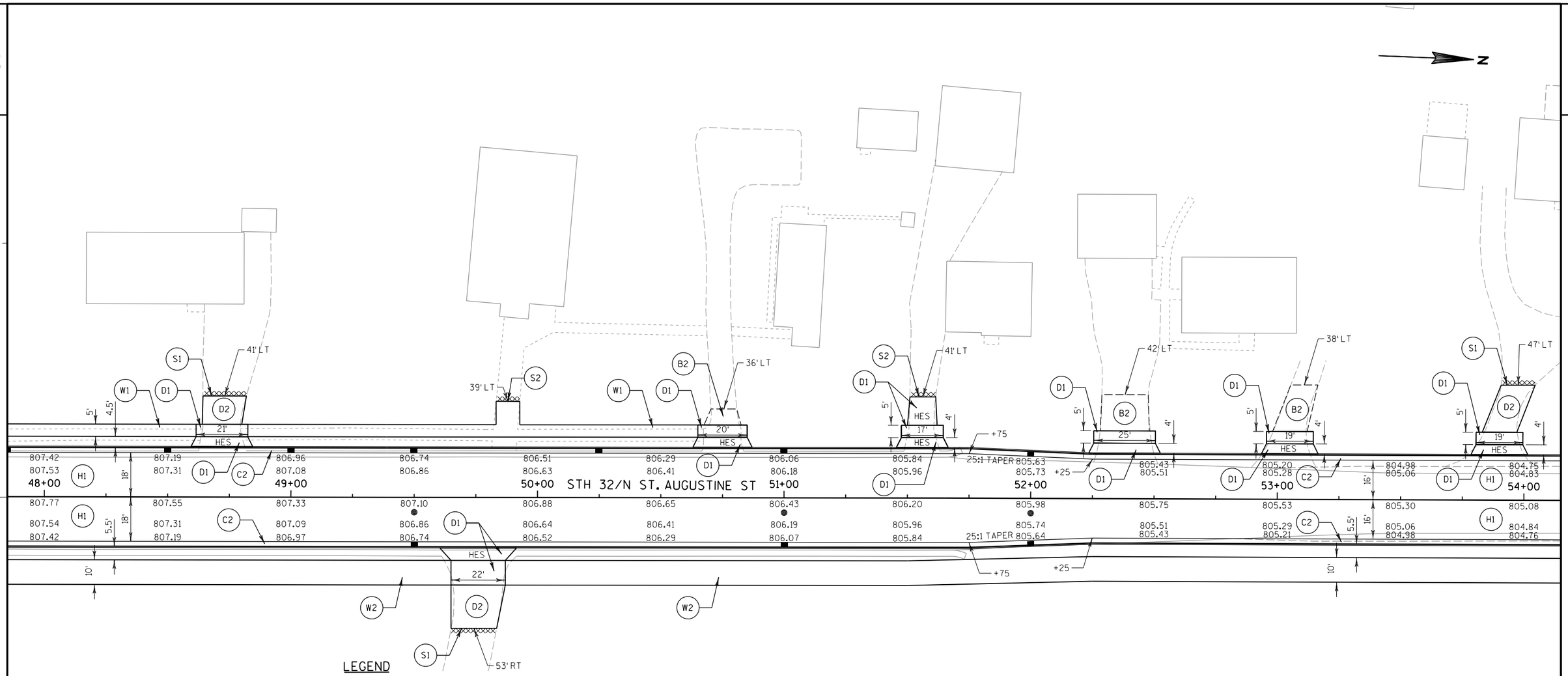
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SEE CONSTRUCTION DETAILS FOR ADDITIONAL BUMP OUT LAYOUT INFORMATION

2



LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
- W6 CONCRETE CURB RAMP TYPE 2
- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT xxxxxx
- S2 SAWING CONCRETE xxxxxx
- PROPOSED INLET
- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
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NOTES:

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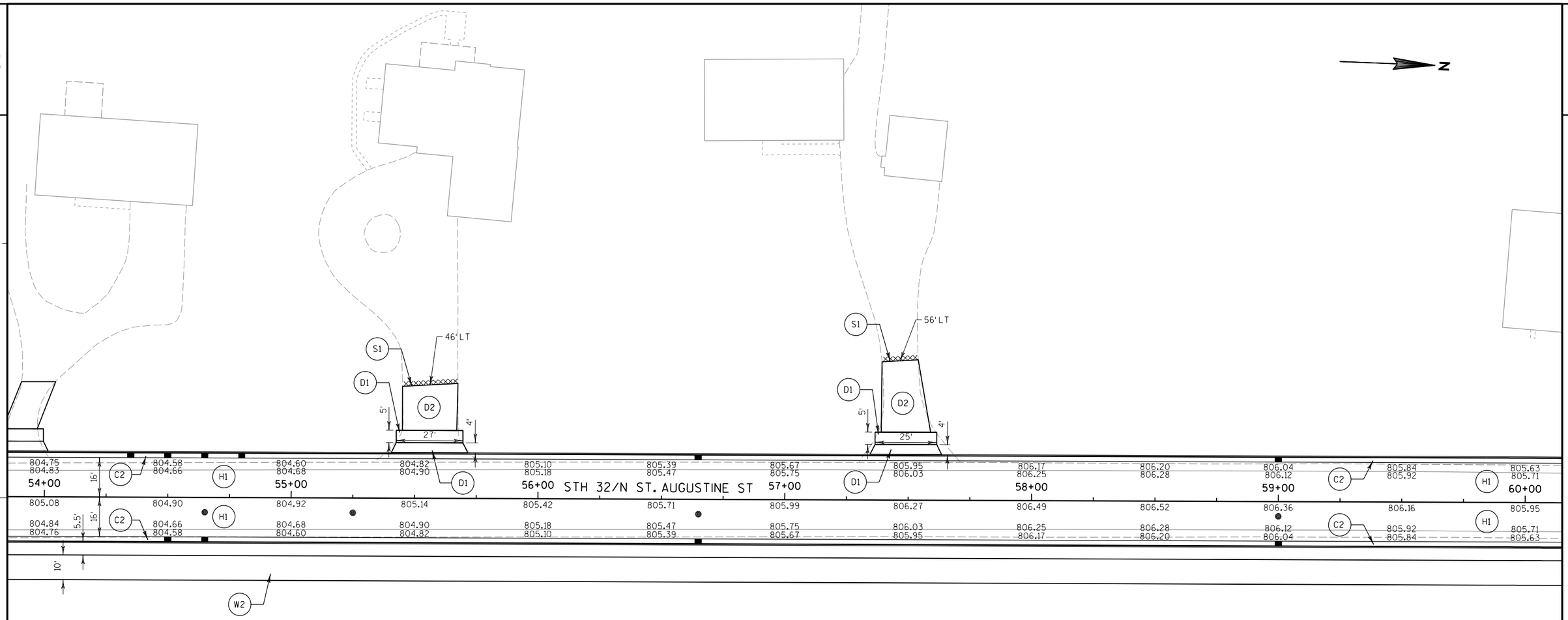
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 39	E

2



LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
- W6 CONCRETE CURB RAMP TYPE 2
- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT xxxxxx
- S2 SAWING CONCRETE xxxxxx
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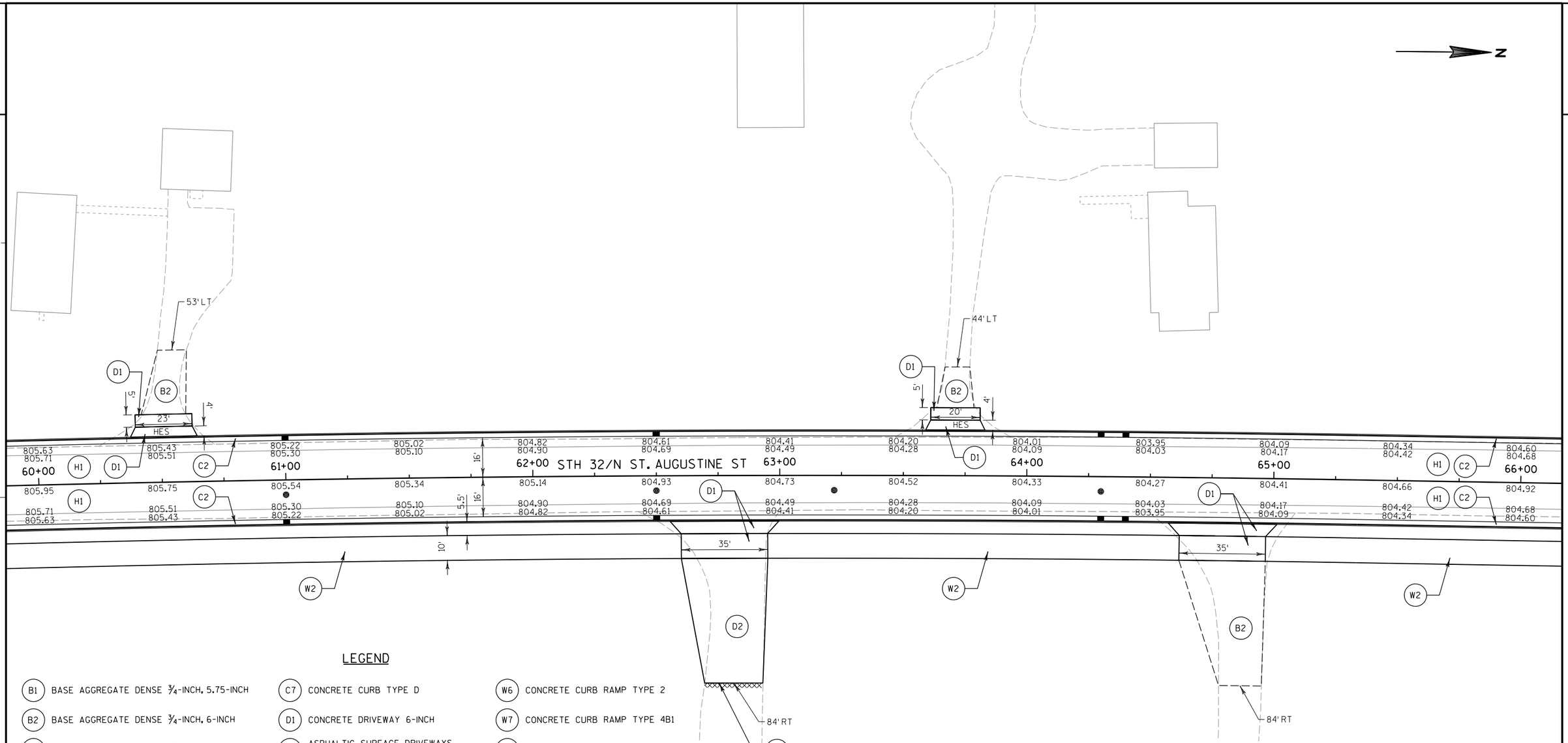
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LEGEND

- B1 BASE AGGREGATE DENSE 3/4-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE 3/4-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE 3/8-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
- W6 CONCRETE CURB RAMP TYPE 2
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- S2 SAWING CONCRETE
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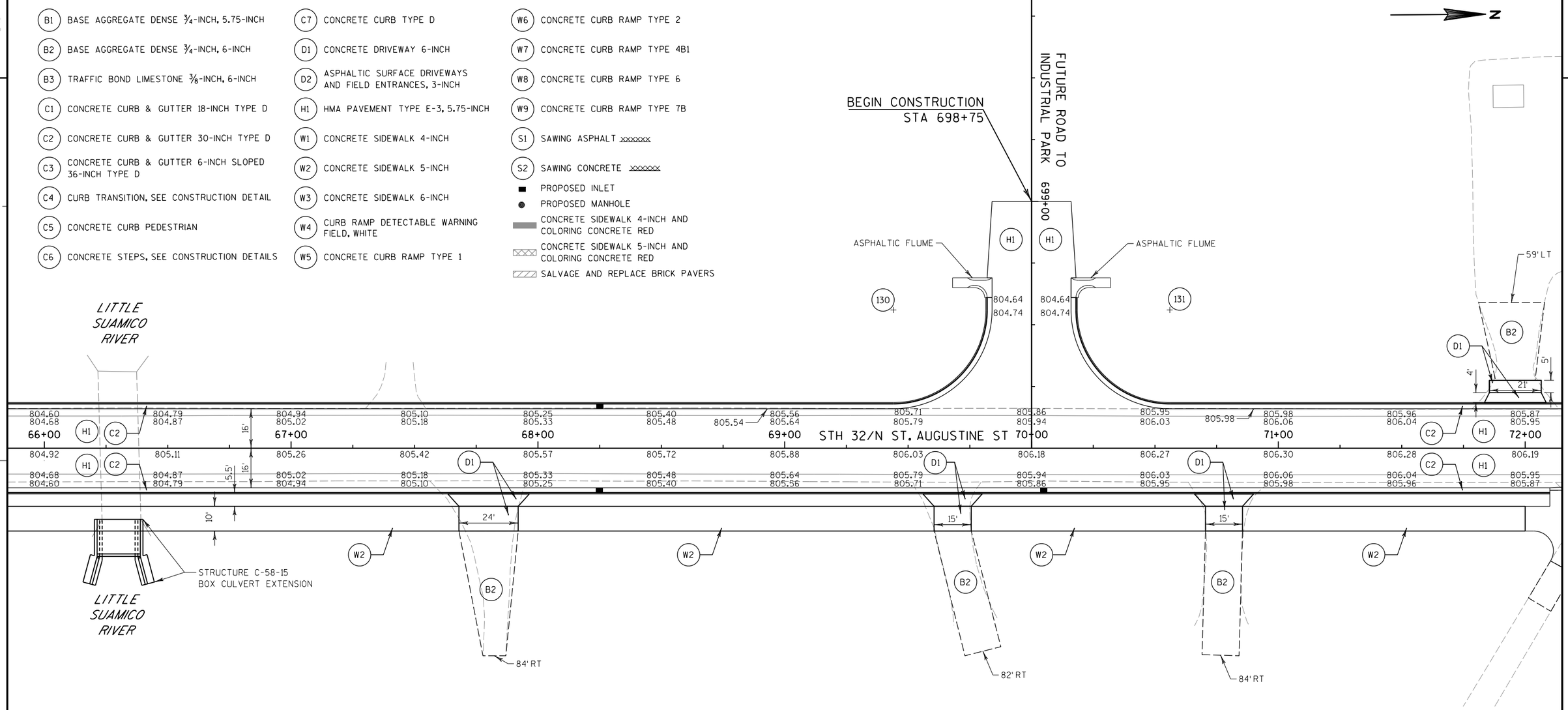
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 41	E

LEGEND

- (B1) BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- (B2) BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- (B3) TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- (C1) CONCRETE CURB & GUTTER 18-INCH TYPE D
- (C2) CONCRETE CURB & GUTTER 30-INCH TYPE D
- (C3) CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- (C4) CURB TRANSITION, SEE CONSTRUCTION DETAIL
- (C5) CONCRETE CURB PEDESTRIAN
- (C6) CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- (C7) CONCRETE CURB TYPE D
- (D1) CONCRETE DRIVEWAY 6-INCH
- (D2) ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- (H1) HMA PAVEMENT TYPE E-3, 5.75-INCH
- (W1) CONCRETE SIDEWALK 4-INCH
- (W2) CONCRETE SIDEWALK 5-INCH
- (W3) CONCRETE SIDEWALK 6-INCH
- (W4) CURB RAMP DETECTABLE WARNING FIELD, WHITE
- (W5) CONCRETE CURB RAMP TYPE 1
- (W6) CONCRETE CURB RAMP TYPE 2
- (W7) CONCRETE CURB RAMP TYPE 4B1
- (W8) CONCRETE CURB RAMP TYPE 6
- (W9) CONCRETE CURB RAMP TYPE 7B
- (S1) SAWING ASPHALT xxxxxx
- (S2) SAWING CONCRETE xxxxxx
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- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS



DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
130	69+44.00	56.00'LT	40'R
131	70+56.00	56.00'LT	40'R

NOTES:

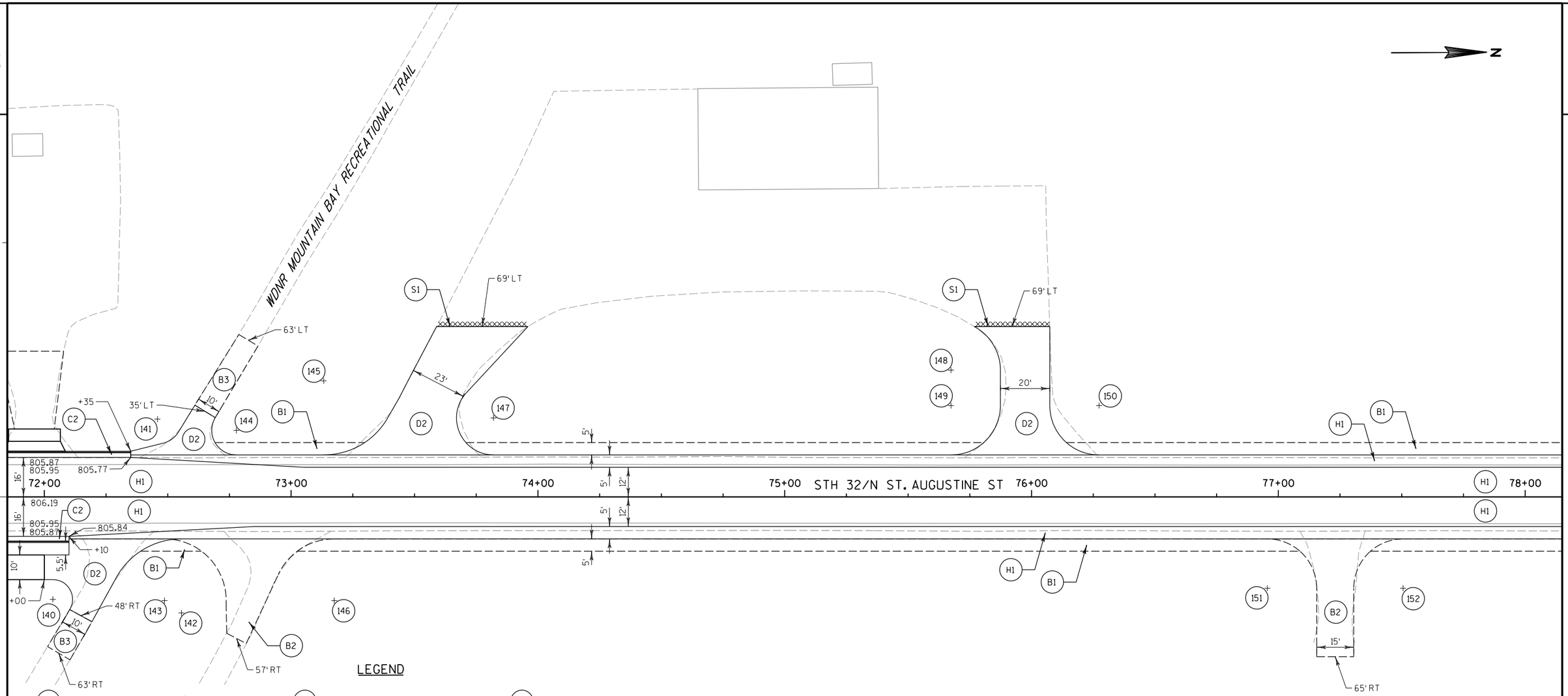
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LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
- W6 CONCRETE CURB RAMP TYPE 2
- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT XXXXXX
- S2 SAWING CONCRETE XXXXXX
- PROPOSED INLET
- PROPOSED MANHOLE
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- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
140	72+03.44	41.50'RT	8'R
141	72+45.82	31.51'LT	10'R
142	72+55.56	47.00'RT	25'R
143	72+48.70	32.00'RT	25'R
144	72+77.84	27.00'LT	10'R
145	73+13.19	47.00'LT	30'R
146	73+17.47	42.00'RT	25'R
147	73+82.01	32.00'LT	15'R
148	75+67.38	51.36'LT	20'R
149	75+67.38	37.00'LT	20'R
150	76+27.38	37.00'LT	20'R
151	76+95.54	37.00'RT	20'R
152	77+50.54	37.00'RT	20'R

NOTES:

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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 43	E

2

N

700+00

701+00

702+00

B2

10'

703+00 SNOWMOBILE TRAIL

TRIBUTARY OF THE LITTLE SUAMICO RIVER

H1

B1

5'

78+00 H1 | 79+00 | 80+00 | 81+00 STH 32/N ST. AUGUSTINE ST | 82+00 | 83+00 | H1 84+00

5' 12'

5' 12'

5'

STRUCTURE C-58-30

H1

B1

153

B2

15'

60' RT

154

155

B2

7'

55' RT

LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
- W6 CONCRETE CURB RAMP TYPE 2
- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT xxxxxx
- S2 SAWING CONCRETE xxxxxx
- PROPOSED INLET
- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
153	81+77.63	37.00' RT	20' R
154	82+32.63	37.00' RT	20' R
155	84+05.86	22.00' RT	5' R

NOTES:

RADIUS AND ROADWAY WIDTH DIMENSIONS ARE SHOWN TO CURB & GUTTER FLANGELINE

SIDEWALK AND TERRACE DIMENSIONS ARE SHOWN TO THE FACE OF CURB & GUTTER

PAVEMENT GRADES SHOWN ALONG THE CURB & GUTTER ARE SHOWN AT THE FLANGELINE

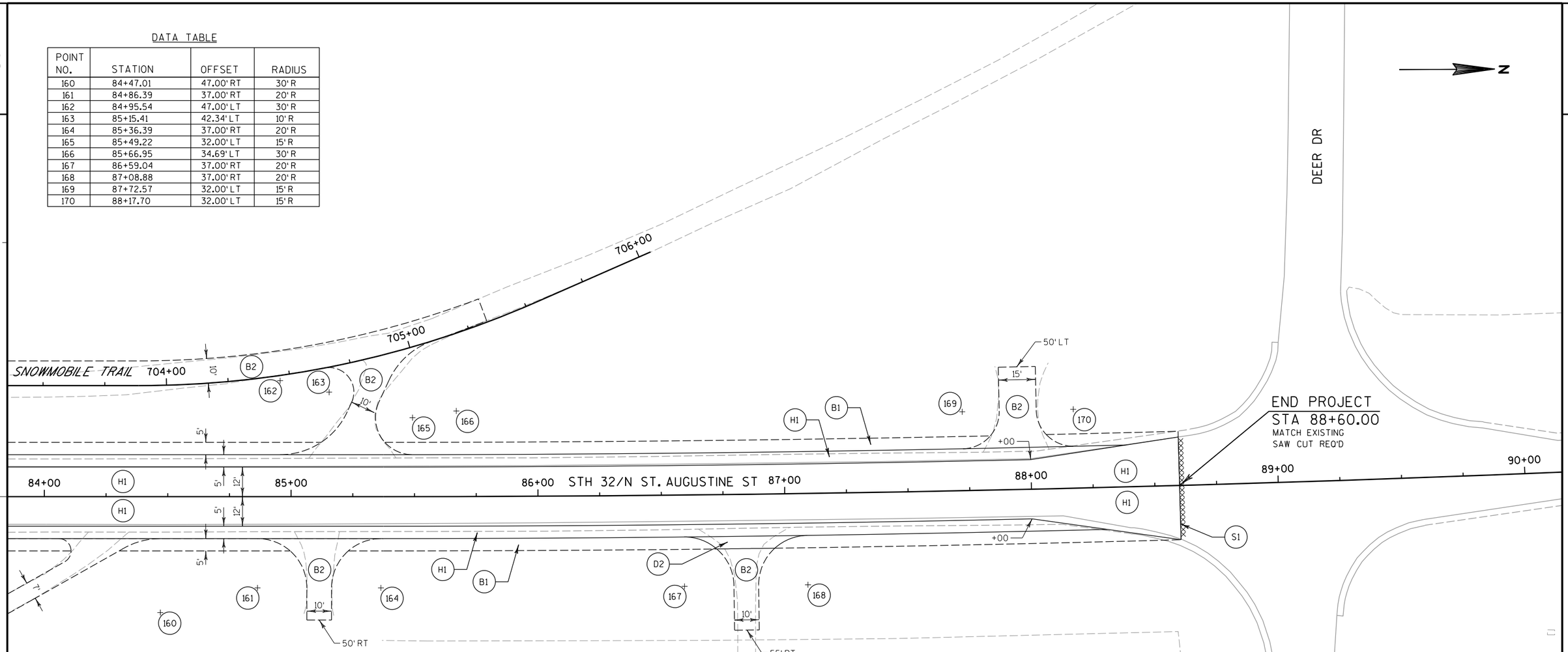
PAVEMENT GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB AND GUTTER RADII AND AT 50' INTERVALS UNLESS OTHERWISE NOTED

WHERE HES CONCRETE IS SPECIFIED AT DRIVEWAYS, ADJACENT CURB AND GUTTER IS ALSO HES

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 44	E

DATA TABLE

POINT NO.	STATION	OFFSET	RADIUS
160	84+47.01	47.00' RT	30' R
161	84+86.39	37.00' RT	20' R
162	84+95.54	47.00' LT	30' R
163	85+15.41	42.34' LT	10' R
164	85+36.39	37.00' RT	20' R
165	85+49.22	32.00' LT	15' R
166	85+66.95	34.69' LT	30' R
167	86+59.04	37.00' RT	20' R
168	87+08.88	37.00' RT	20' R
169	87+72.57	32.00' LT	15' R
170	88+17.70	32.00' LT	15' R



LEGEND

- B1 BASE AGGREGATE DENSE ¾-INCH, 5.75-INCH
- B2 BASE AGGREGATE DENSE ¾-INCH, 6-INCH
- B3 TRAFFIC BOND LIMESTONE ⅜-INCH, 6-INCH
- C1 CONCRETE CURB & GUTTER 18-INCH TYPE D
- C2 CONCRETE CURB & GUTTER 30-INCH TYPE D
- C3 CONCRETE CURB & GUTTER 6-INCH SLOPED 36-INCH TYPE D
- C4 CURB TRANSITION, SEE CONSTRUCTION DETAIL
- C5 CONCRETE CURB PEDESTRIAN
- C6 CONCRETE STEPS, SEE CONSTRUCTION DETAILS
- C7 CONCRETE CURB TYPE D
- D1 CONCRETE DRIVEWAY 6-INCH
- D2 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES, 3-INCH
- H1 HMA PAVEMENT TYPE E-3, 5.75-INCH
- W1 CONCRETE SIDEWALK 4-INCH
- W2 CONCRETE SIDEWALK 5-INCH
- W3 CONCRETE SIDEWALK 6-INCH
- W4 CURB RAMP DETECTABLE WARNING FIELD, WHITE
- W5 CONCRETE CURB RAMP TYPE 1
- W6 CONCRETE CURB RAMP TYPE 2
- W7 CONCRETE CURB RAMP TYPE 4B1
- W8 CONCRETE CURB RAMP TYPE 6
- W9 CONCRETE CURB RAMP TYPE 7B
- S1 SAWING ASPHALT
- S2 SAWING CONCRETE
- PROPOSED INLET
- PROPOSED MANHOLE
- CONCRETE SIDEWALK 4-INCH AND COLORING CONCRETE RED
- CONCRETE SIDEWALK 5-INCH AND COLORING CONCRETE RED
- SALVAGE AND REPLACE BRICK PAVERS

NOTES:

RADIUS AND ROADWAY WIDTH DIMENSIONS ARE SHOWN TO CURB & GUTTER FLANGELINE

SIDEWALK AND TERRACE DIMENSIONS ARE SHOWN TO THE FACE OF CURB & GUTTER

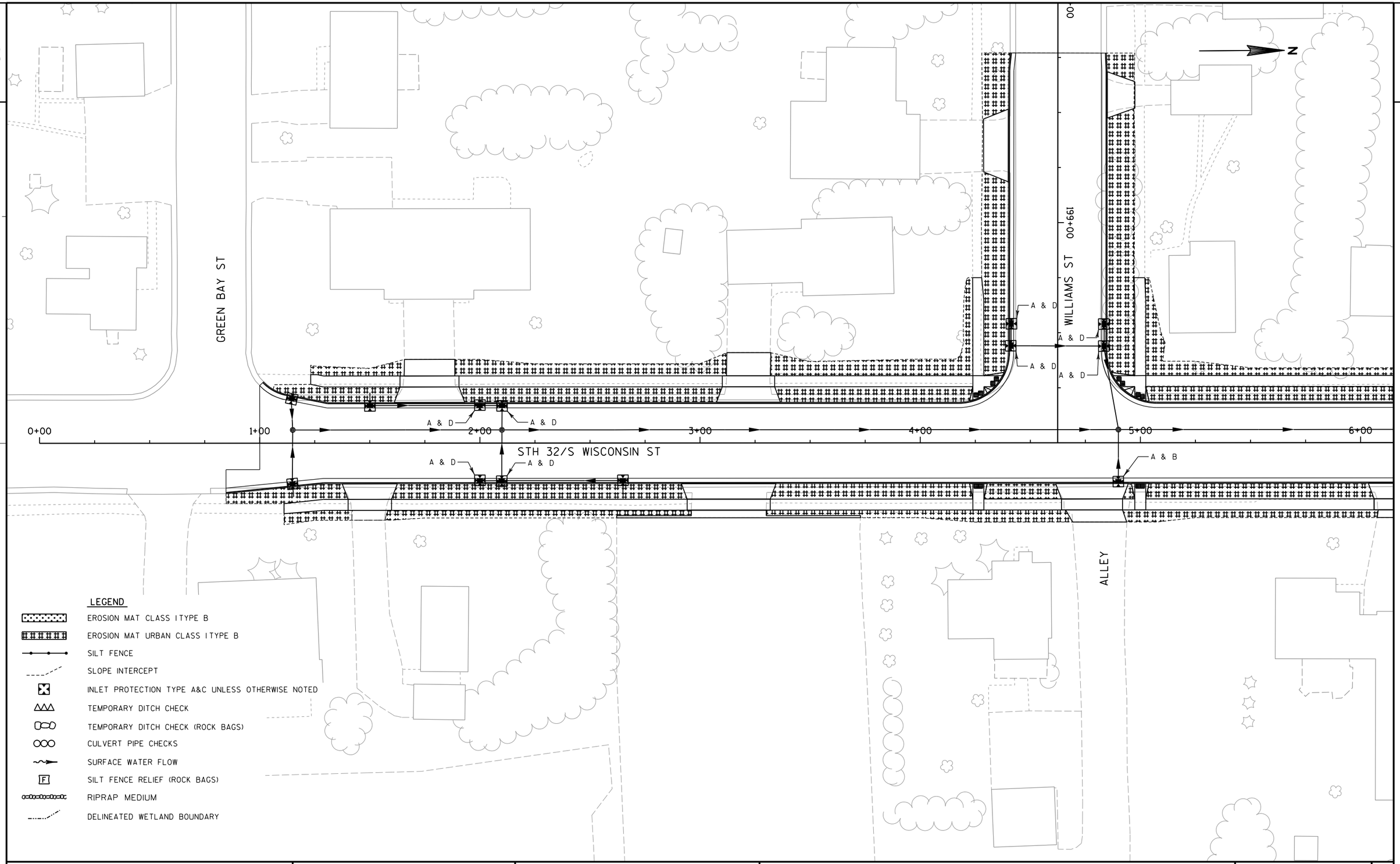
PAVEMENT GRADES SHOWN ALONG THE CURB & GUTTER ARE SHOWN AT THE FLANGELINE

PAVEMENT GRADES ARE GENERALLY SHOWN AT THE END AND MID-POINTS OF CURB AND GUTTER RADII AND AT 50' INTERVALS UNLESS OTHERWISE NOTED

WHERE HES CONCRETE IS SPECIFIED AT DRIVEWAYS, ADJACENT CURB AND GUTTER IS ALSO HES

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVING DETAILS	SHEET 45	E

2

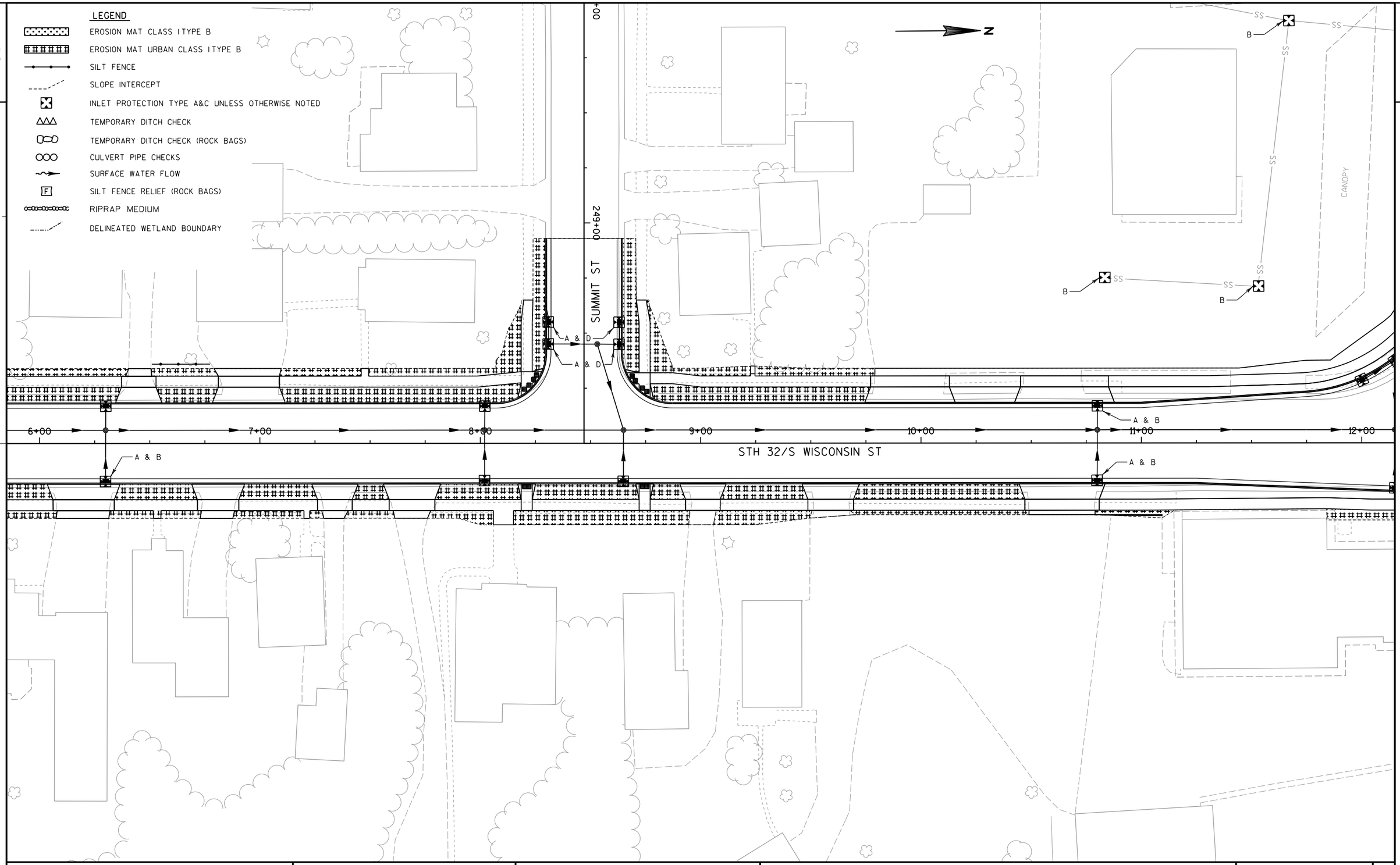


PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 46	E

2

LEGEND

- EROSION MAT CLASS ITYPE B
- EROSION MAT URBAN CLASS ITYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY



2

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 47	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022002_ec.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

2

2

N

CANOPY

S WISCONSIN ST

STH 32

12+00

298+00

299+00

13+00

14+00

STH 32/E PULASKI ST

15+00

16+00

E PULASKI ST

A & D

351+00

352+00

353+00

N WISCONSIN ST

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 48	E

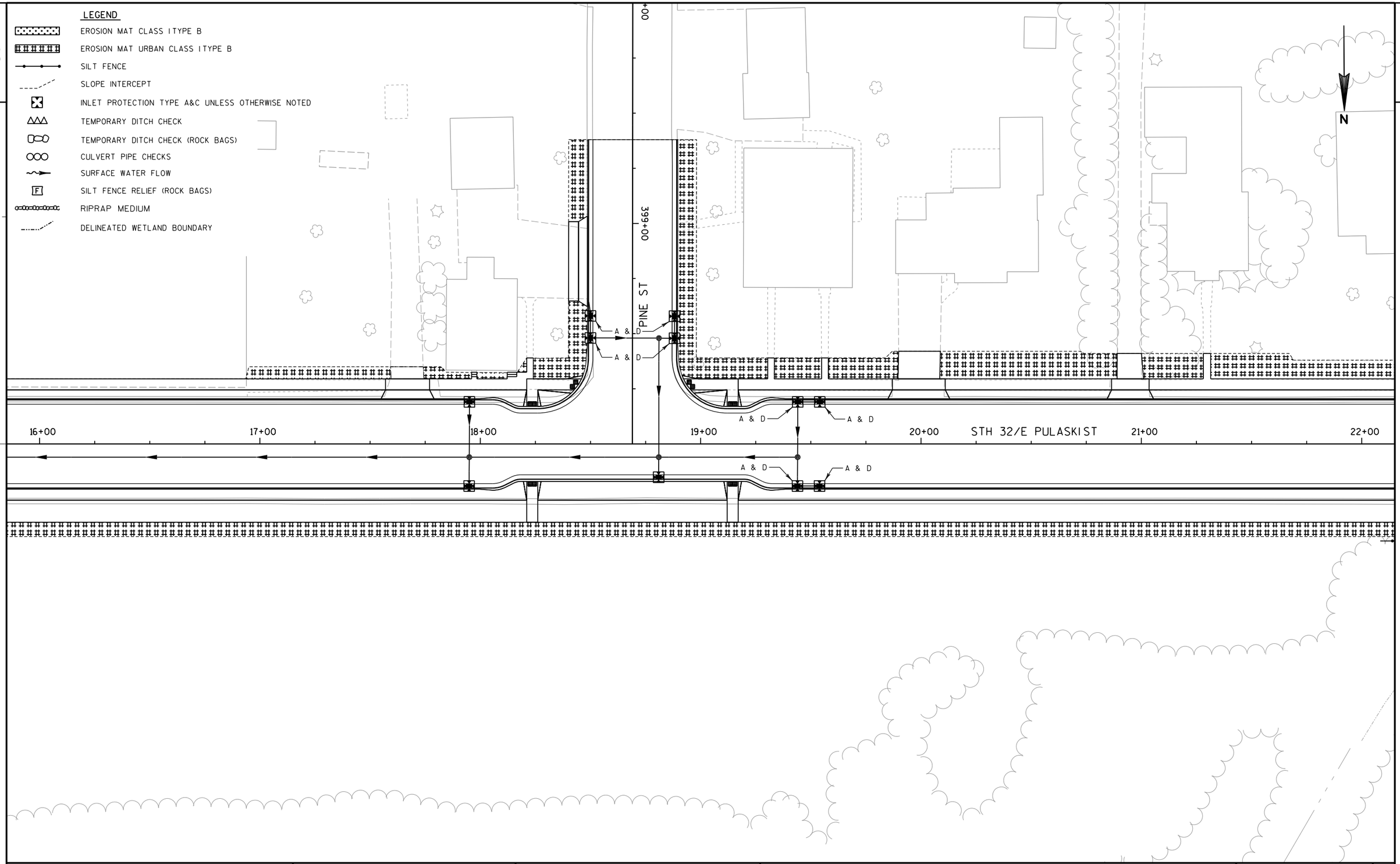
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WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS ITYPE B
- EROSION MAT URBAN CLASS ITYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY



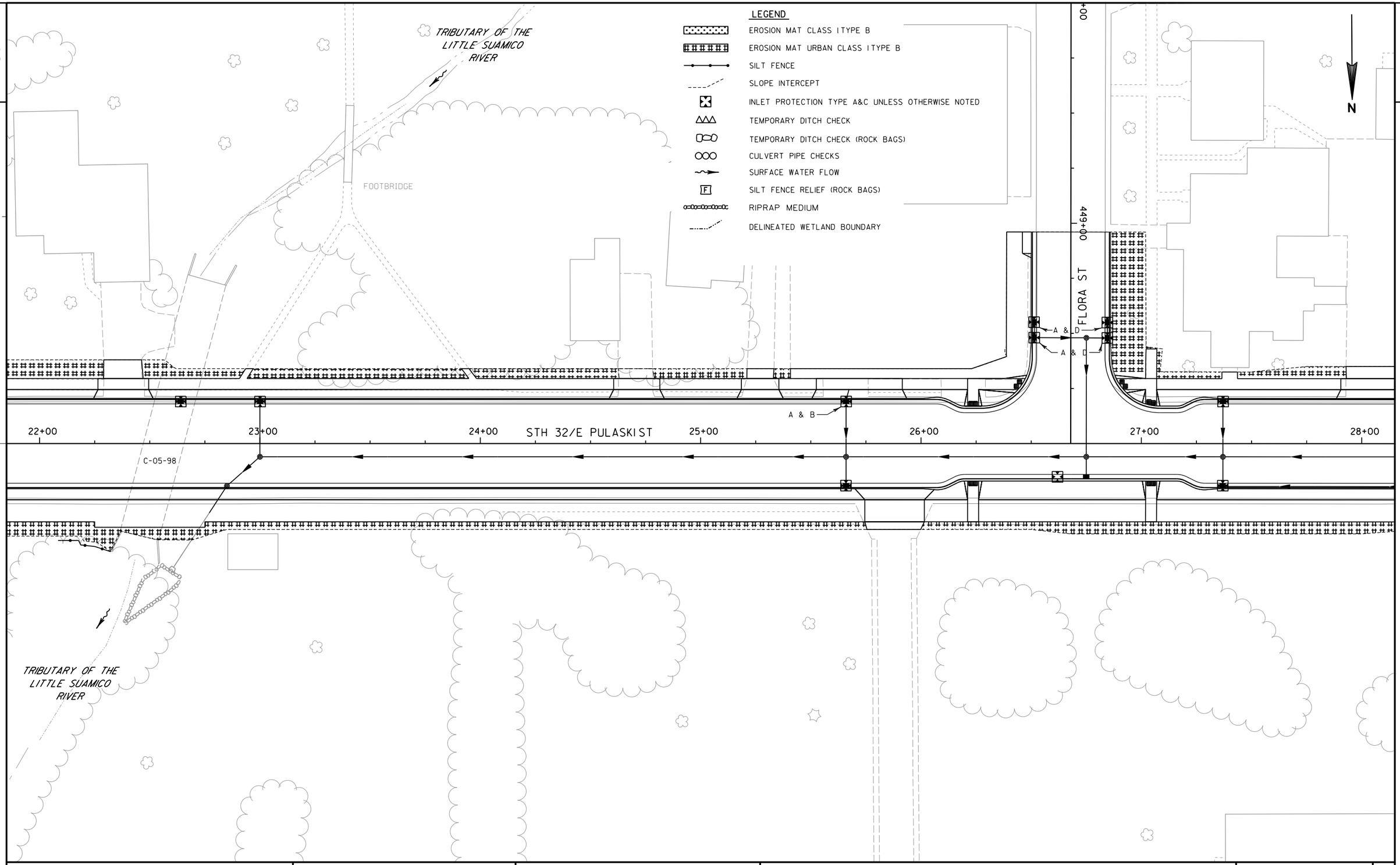
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 49	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022004_ec.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2



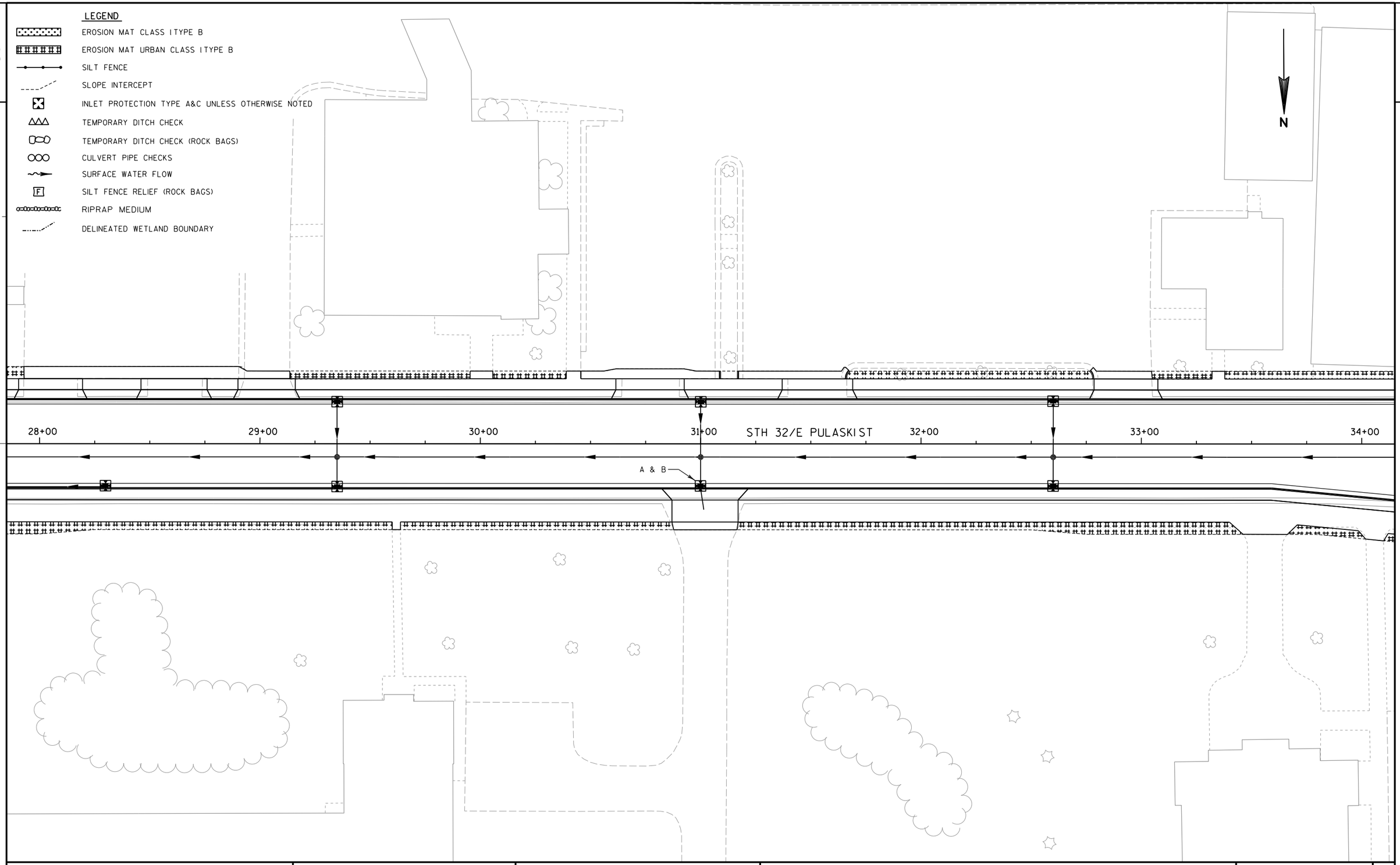
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 50	E

2

LEGEND

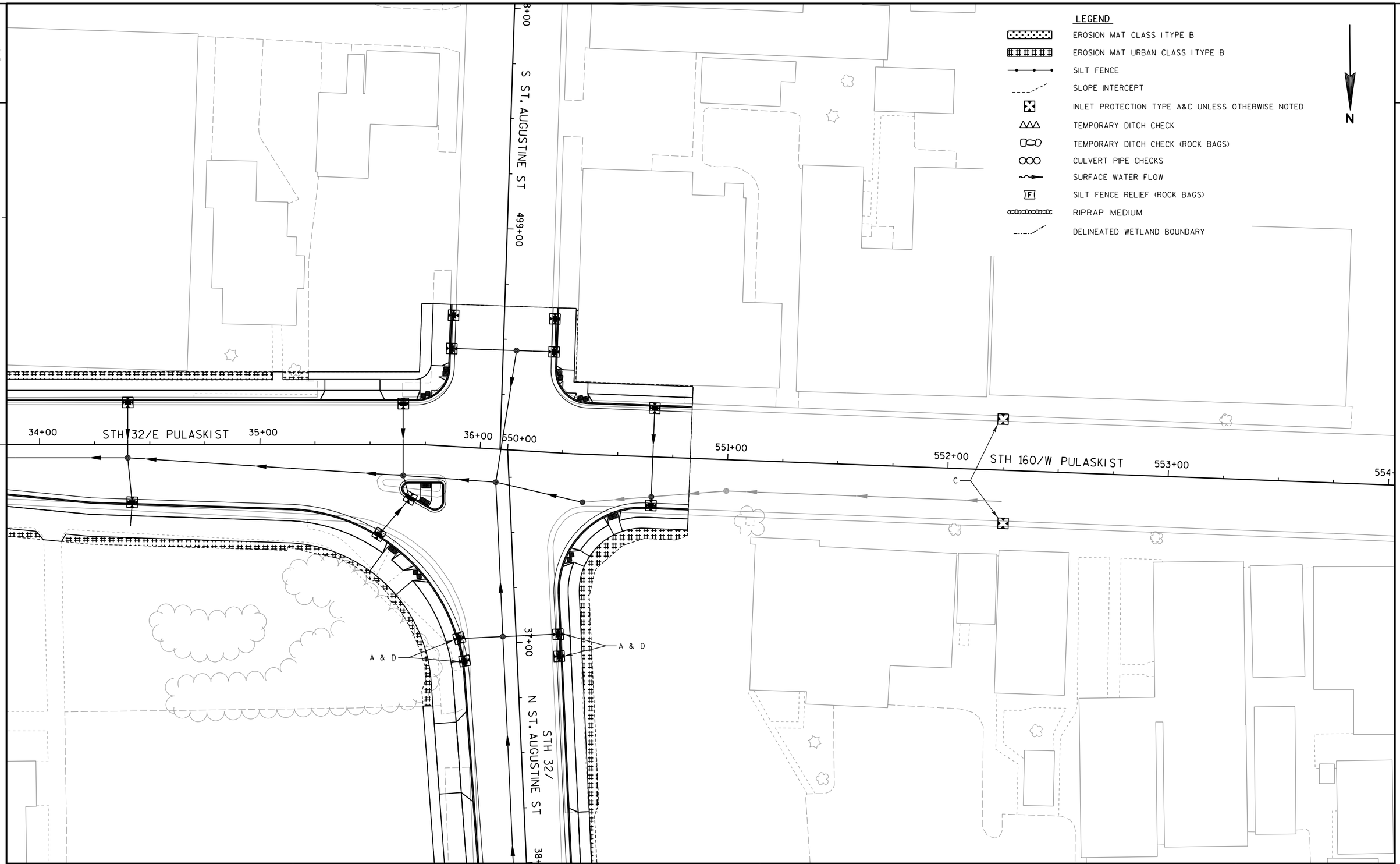
- EROSION MAT CLASS ITYPE B
- EROSION MAT URBAN CLASS ITYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY



2

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 51	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022006_ec.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 52	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022007_ec.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS ITYPE B
- EROSION MAT URBAN CLASS ITYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY

N

STH 160/W PULASKI ST

551+00

550+00

36+00

35+00

STH 32/E PULASKI ST

37+00

38+00

39+00

STH 32/N ST. AUGUSTINE ST

40+00

41+00

42+00

A & D

A & B

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 53	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022008_ec.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

2

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY

N

CHICAGO ST

00+

00+665

ANTHONY LN

EXISTING ASPHALT AREA TO BE REPLACED WITH FINISHING ITEMS WITHIN SLOPE INTERCEPT AREA

A & D

A & D

A & B

42+00

43+00

44+00

45+00

STH 32/N ST. AUGUSTINE ST

46+00

47+00

48+00

& D

A & B

2

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 54	E

2

LEGEND

- EROSION MAT CLASS ITYPE B
- EROSION MAT URBAN CLASS ITYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY

N

48+00 49+00 50+00 STH 32/N ST. AUGUSTINE ST 51+00 52+00 53+00 54+00

2

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022010_ec.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY

N

54+00 A & D 55+00 A & D 56+00 57+00 STH 32/N ST. AUGUSTINE ST 58+00 59+00 60+00

A & D

A & D

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 56	E

2

2

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY

N

60+00 61+00 62+00 63+00 STH 32/N ST. AUGUSTINE ST 64+00 65+00 66+00

A & D

A & D

8'8"x17'4"

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 57	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022012_ec.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY

N

LITTLE SUAMICO RIVER

699+00

FUTURE ROAD TO INDUSTRIAL PARK

66+00 67+00 68+00 69+00 STH 32/N. ST. AUGUSTINE ST 70+00 71+00 72+00

EXTEND STRUCTURE C-58-15

4'4"x8'8"

4'4"x8'8"

RIPRAP HEAVY
(SEE STRUCTURE PLANS)

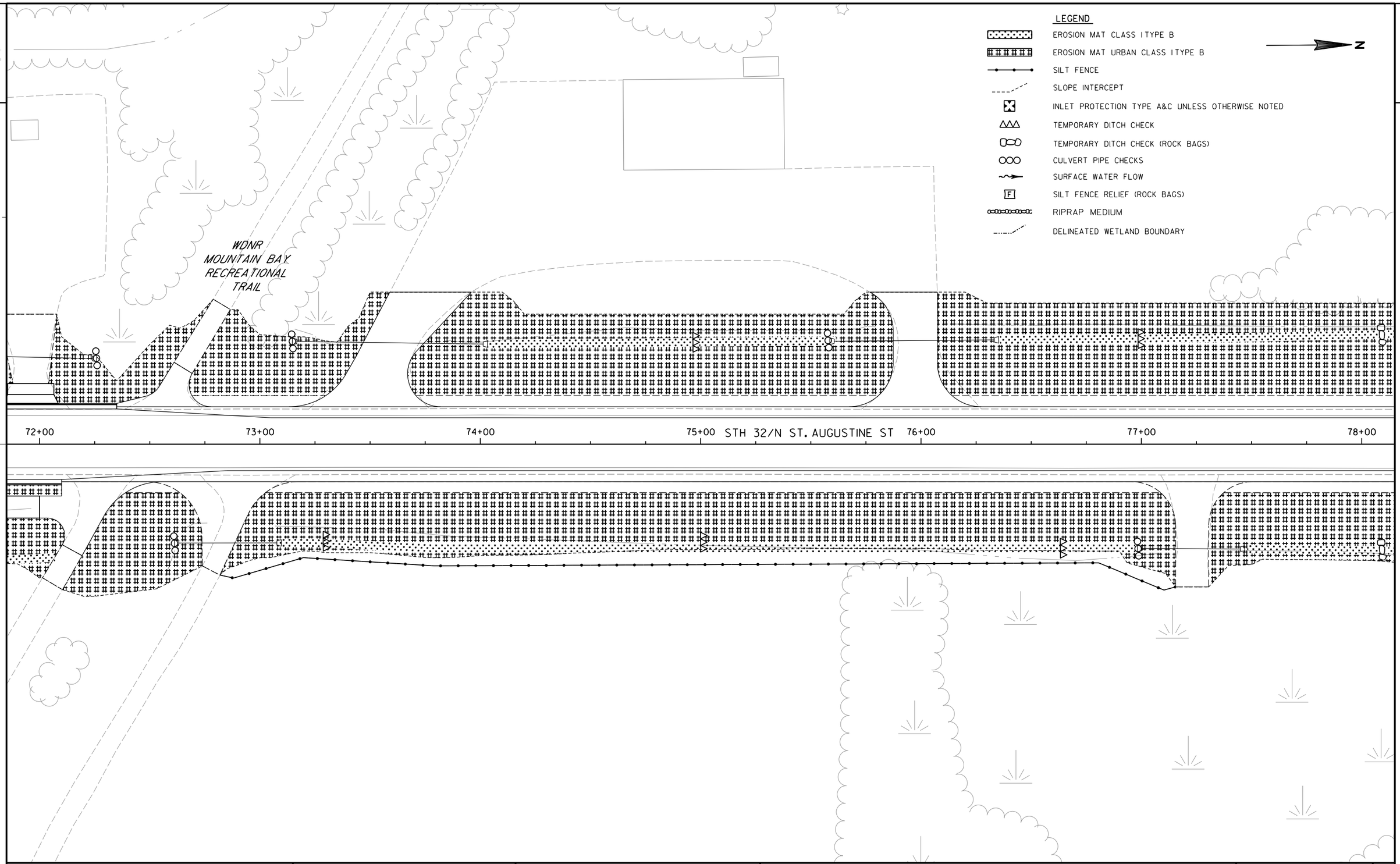
LITTLE SUAMICO RIVER

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 58	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022013_ec.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 42

2



2

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 59	E

2

TRIBUTARY OF THE LITTLE SUAMICO RIVER

N

REMOVE STRUCTURE C-58-16
REPLACE STRUCTURE C-58-30

700+00

701+00

702+00

SNOWMOBILE TRAIL

703+00

78+00 79+00 80+00 81+00 STH 32/N. ST. AUGUSTINE ST 82+00 83+00 84+00

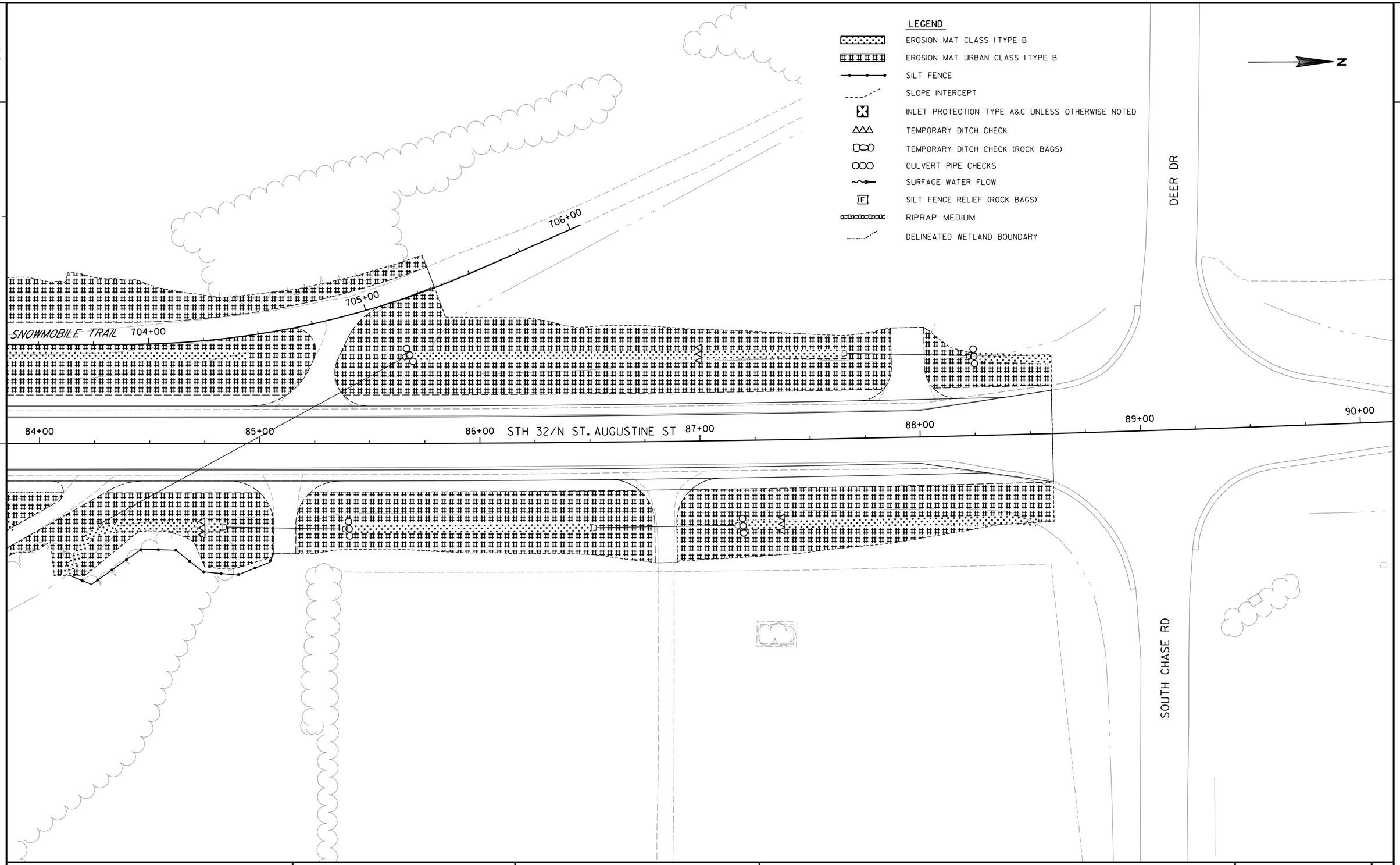
RIPRAP HEAVY
(SEE STRUCTURE PLANS)

LEGEND

- EROSION MAT CLASS I TYPE B
- EROSION MAT URBAN CLASS I TYPE B
- SILT FENCE
- SLOPE INTERCEPT
- INLET PROTECTION TYPE A&C UNLESS OTHERWISE NOTED
- TEMPORARY DITCH CHECK
- TEMPORARY DITCH CHECK (ROCK BAGS)
- CULVERT PIPE CHECKS
- SURFACE WATER FLOW
- SILT FENCE RELIEF (ROCK BAGS)
- RIPRAP MEDIUM
- DELINEATED WETLAND BOUNDARY

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 60	E

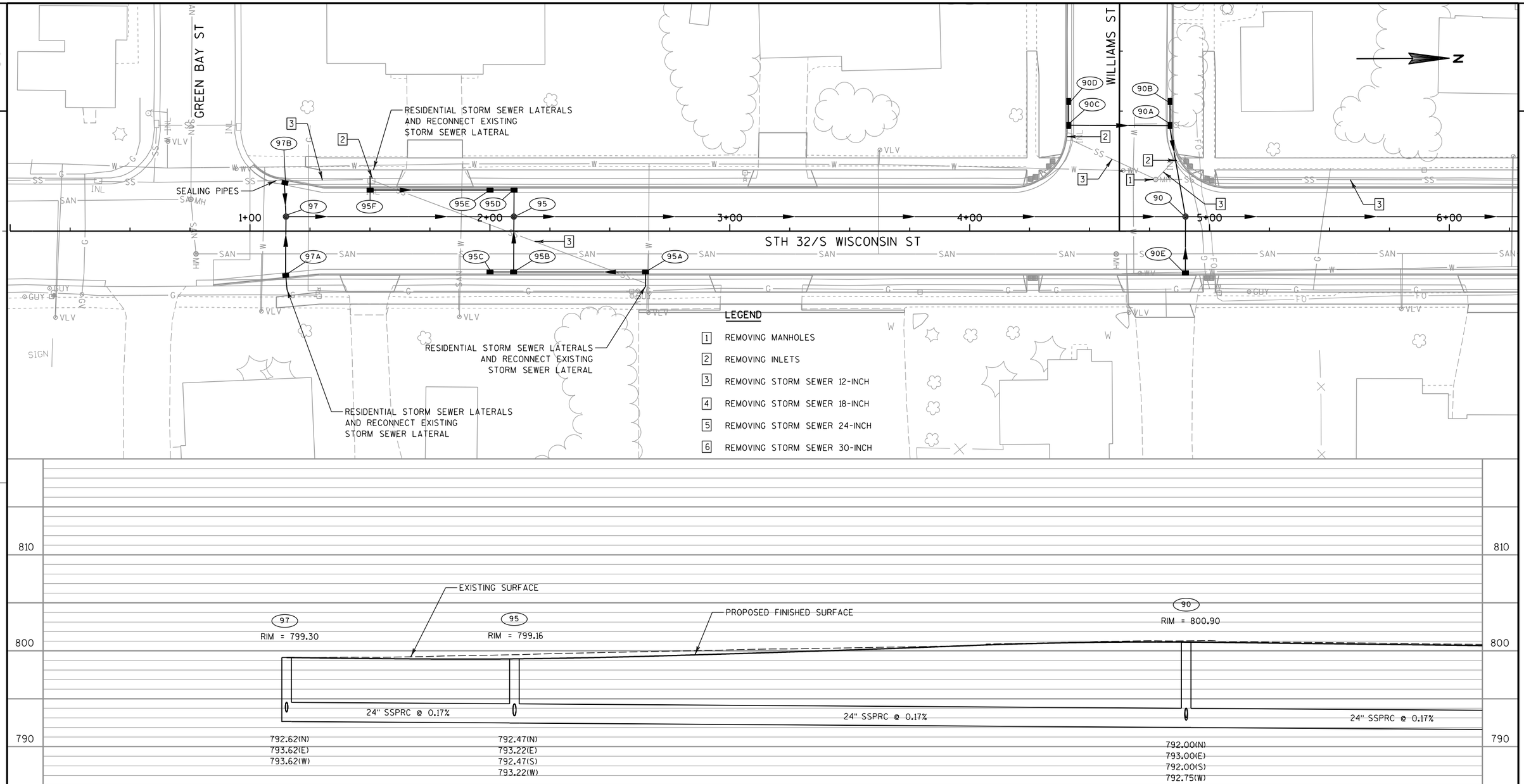
2



2

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	EROSION CONTROL	SHEET 61	E

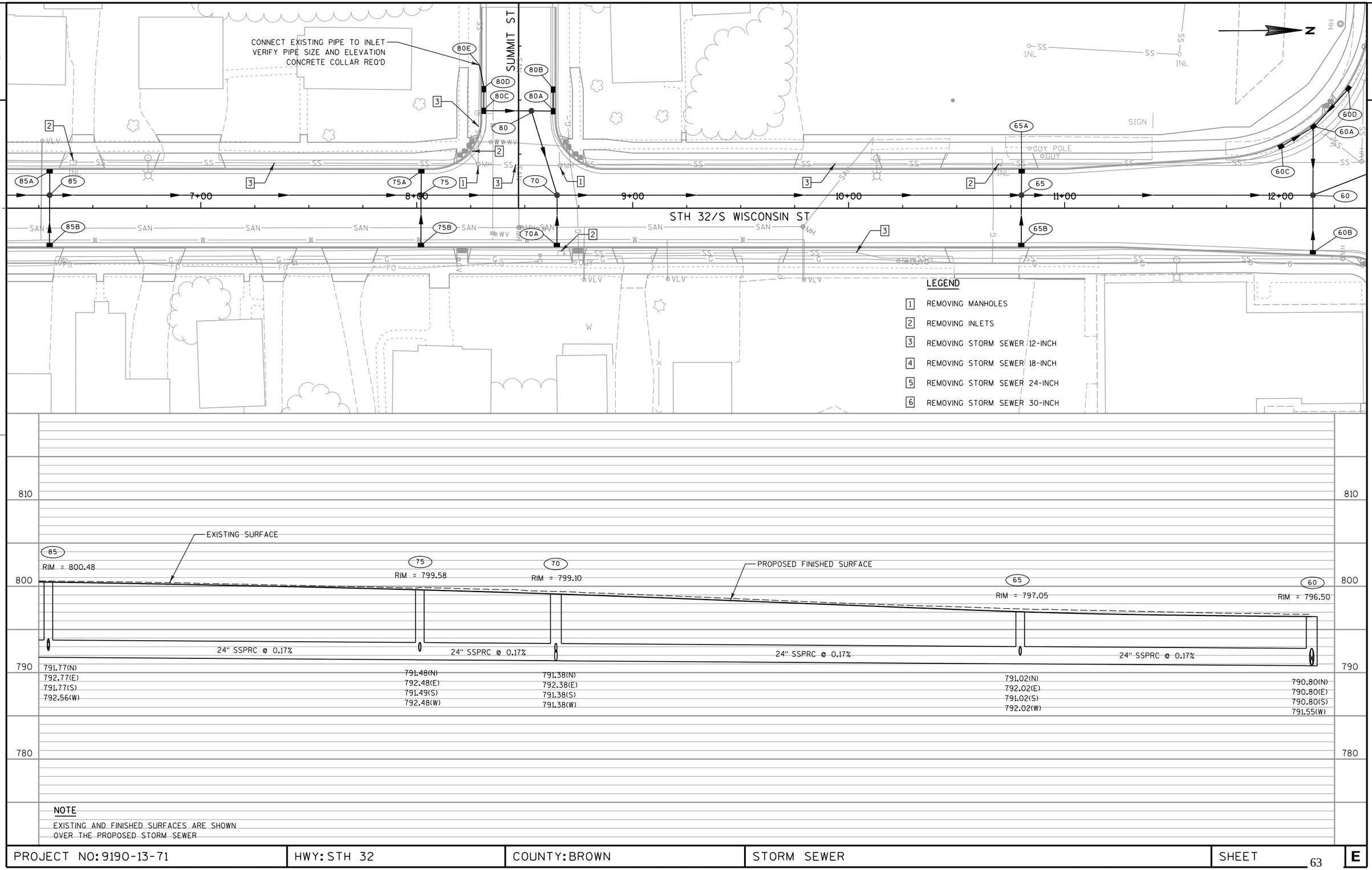
FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022016_ec.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40



NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

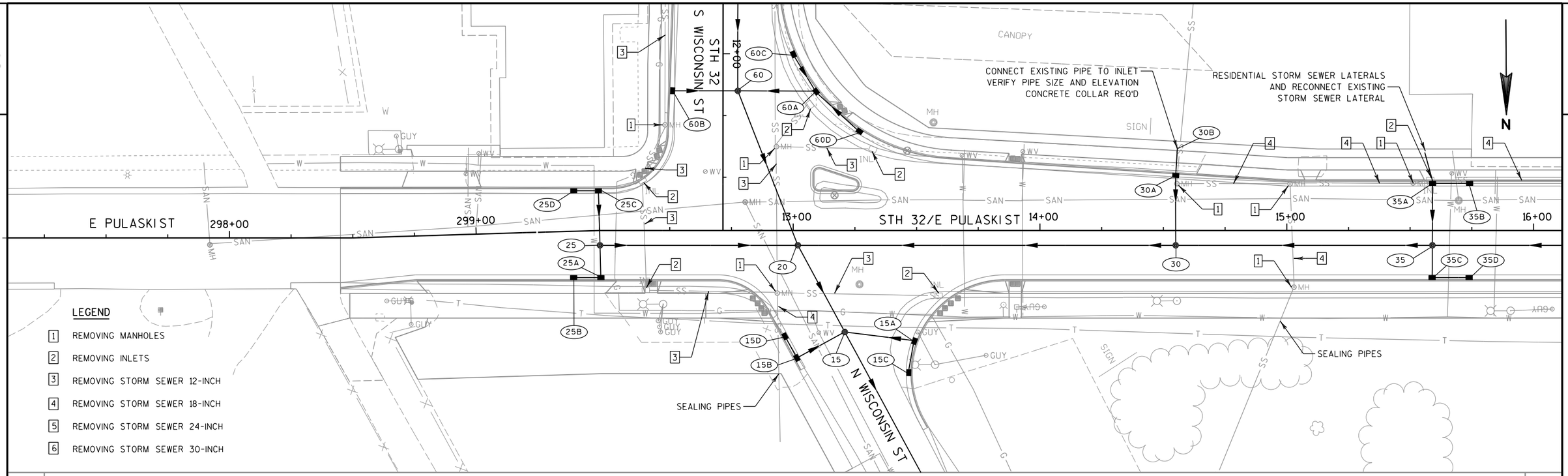
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 62	E

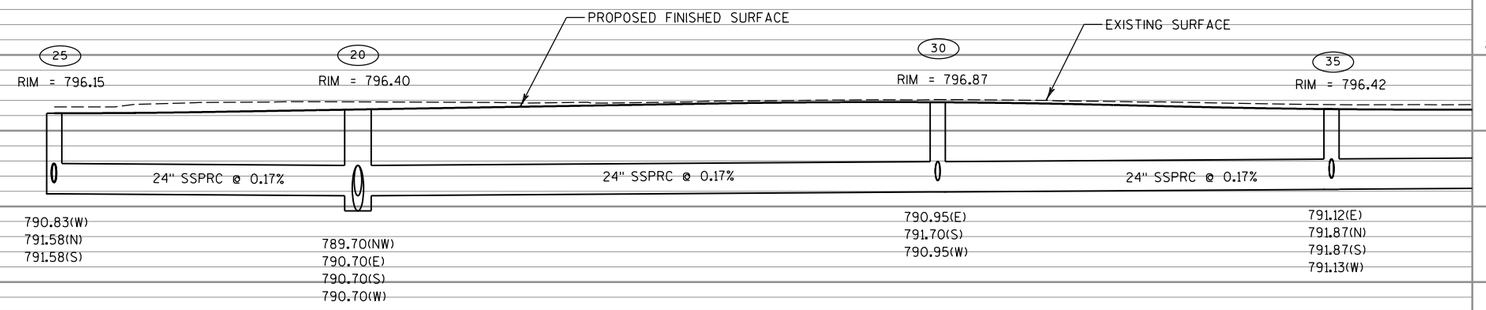


NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 63	E

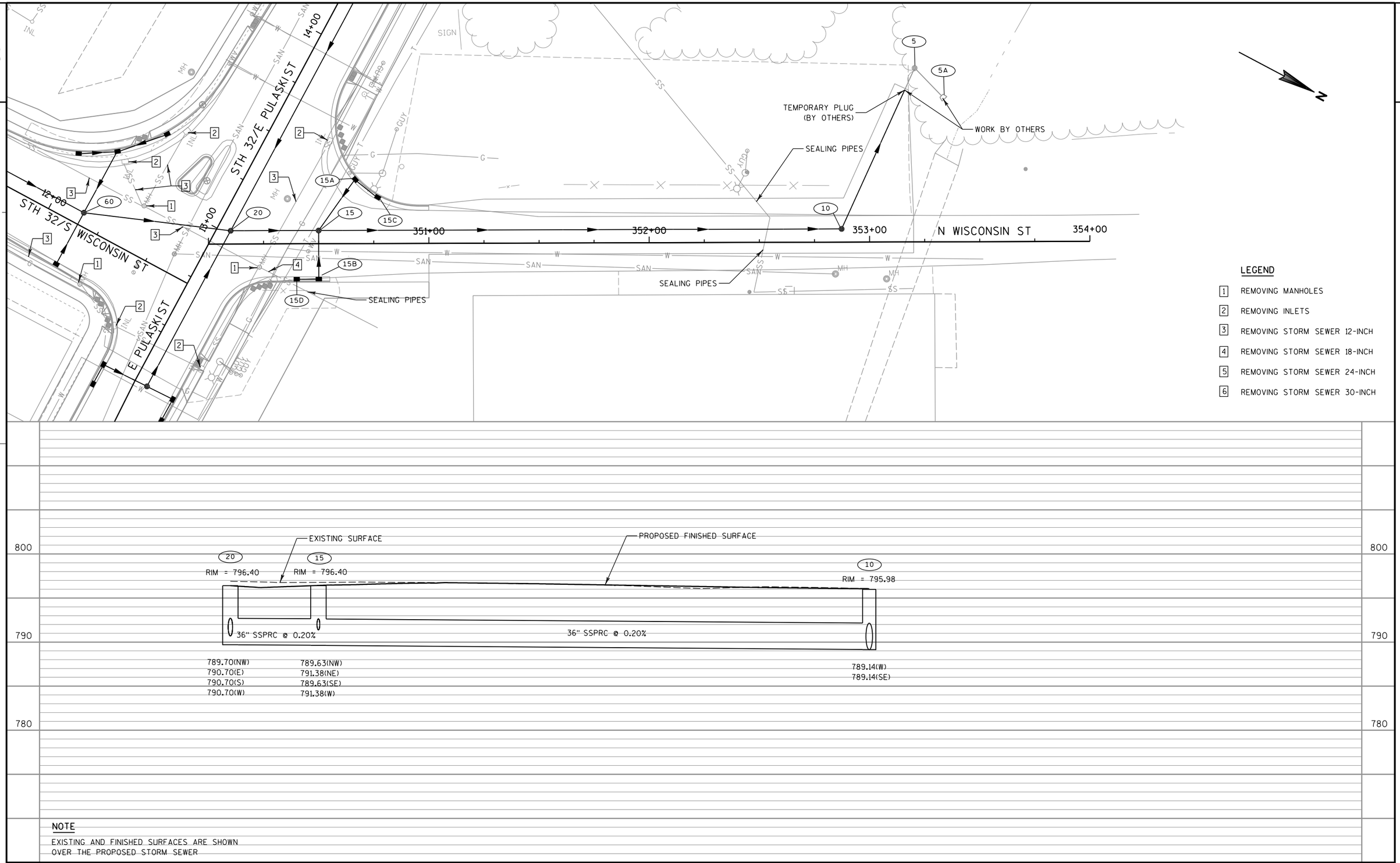




NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 64	E



NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 65	E

LEGEND

1 REMOVING MANHOLES
2 REMOVING INLETS
3 REMOVING STORM SEWER 12-INCH
4 REMOVING STORM SEWER 18-INCH
5 REMOVING STORM SEWER 24-INCH
6 REMOVING STORM SEWER 30-INCH

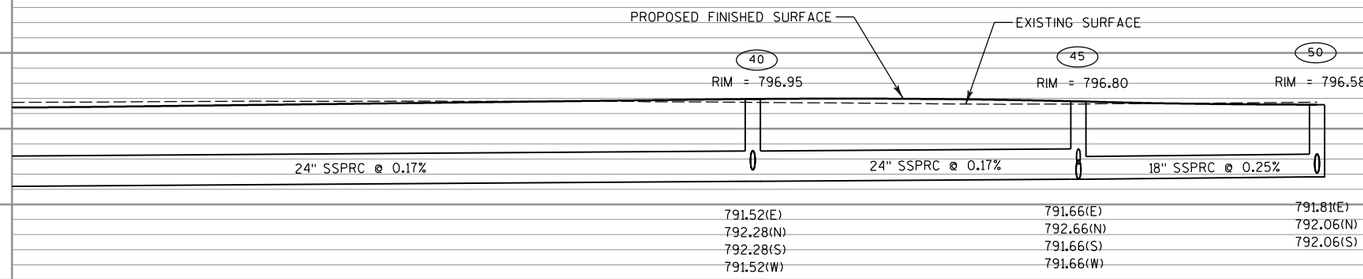
CONNECT EXISTING PIPE TO INLET
VERIFY PIPE SIZE AND ELEVATION
CONCRETE COLLAR REQ'D

PINE ST

STH 32/E PULASKI ST

16+00 17+00 18+00 19+00 20+00 21+00 22+00

N



NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 66	E

LEGEND

1 REMOVING MANHOLES
2 REMOVING INLETS
3 REMOVING STORM SEWER 12-INCH
4 REMOVING STORM SEWER 18-INCH
5 REMOVING STORM SEWER 24-INCH
6 REMOVING STORM SEWER 30-INCH

PLACE TYPE H CASTING OVER EXISTING OPENING IN BOX CULVERT

CONNECT EXISTING PIPE TO INLET
VERIFY PIPE SIZE AND ELEVATION
CONCRETE COLLAR REQ'D

SEALING PIPES

SEALING PIPES

FLORA ST

STH 32/E PULASKI ST

22+00 23+00 24+00 25+00 26+00 27+00 28+00

N

TEMPORARY PLUG (BY OTHERS)

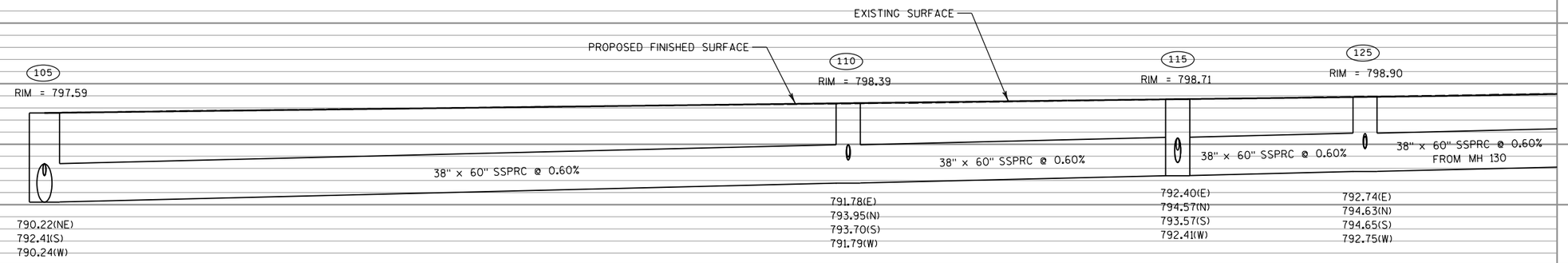
WORK BY OTHERS

STRUCTURE C-05-98

TRIBUTARY OF THE LITTLE SUAMICO RIVER

NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER



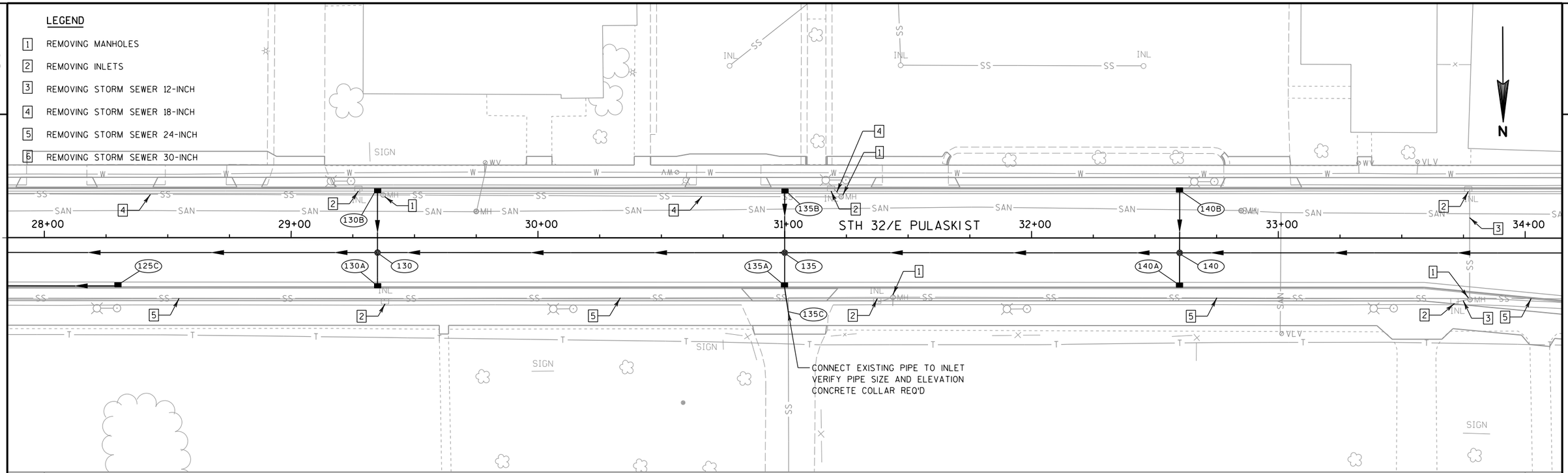
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 67	E

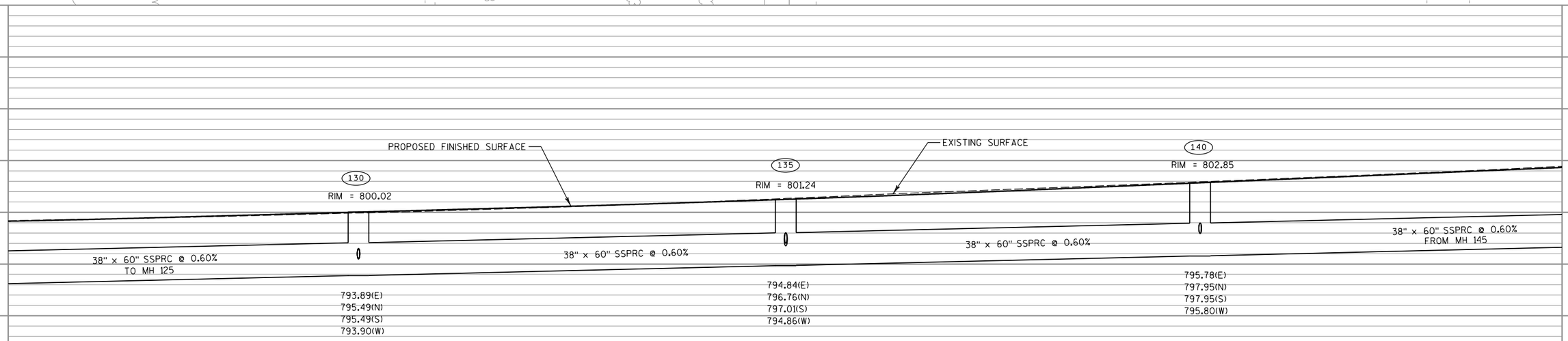
FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022506_ss.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 41

LEGEND

1 REMOVING MANHOLES
2 REMOVING INLETS
3 REMOVING STORM SEWER 12-INCH
4 REMOVING STORM SEWER 18-INCH
5 REMOVING STORM SEWER 24-INCH
6 REMOVING STORM SEWER 30-INCH

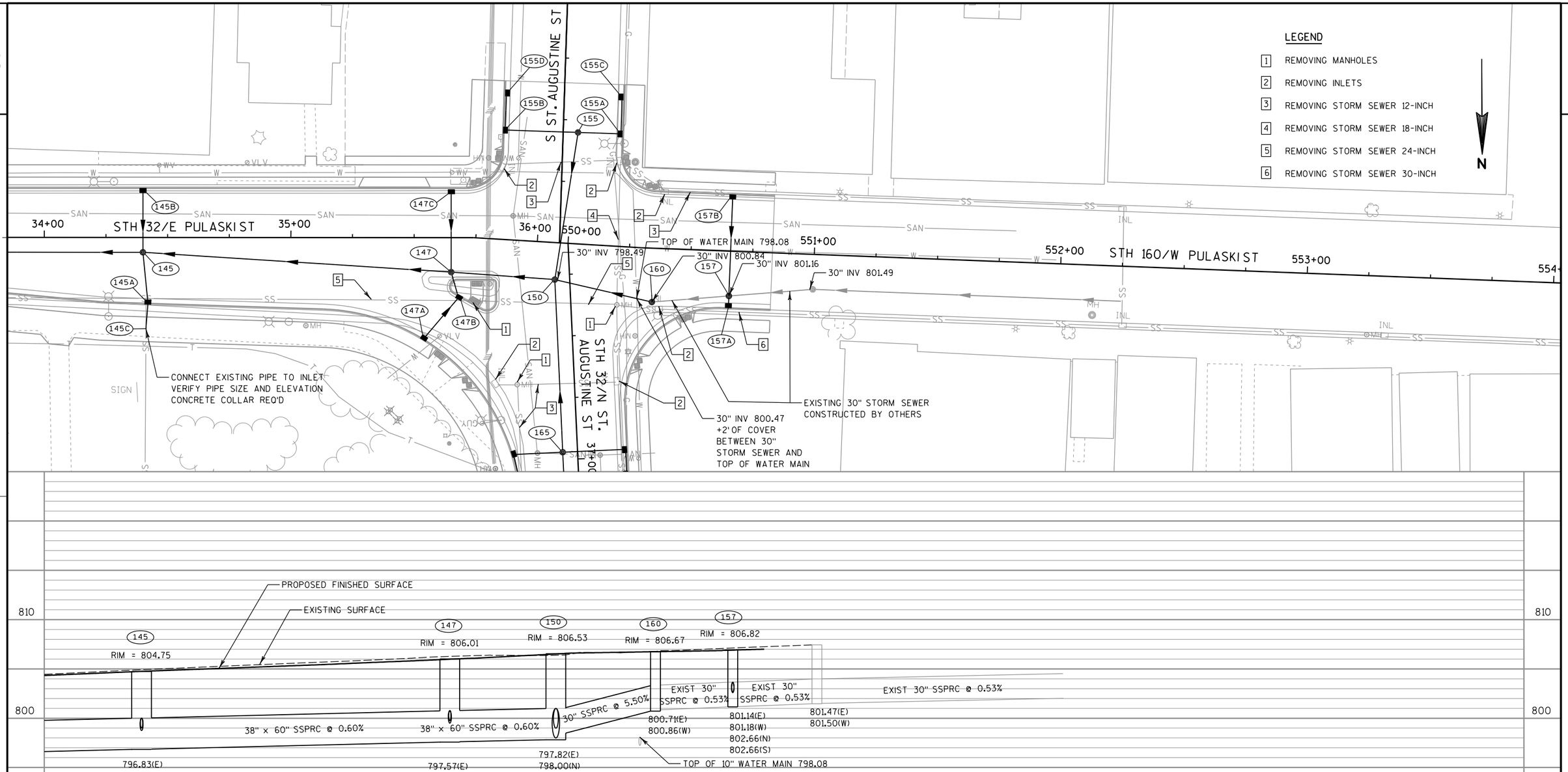




NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

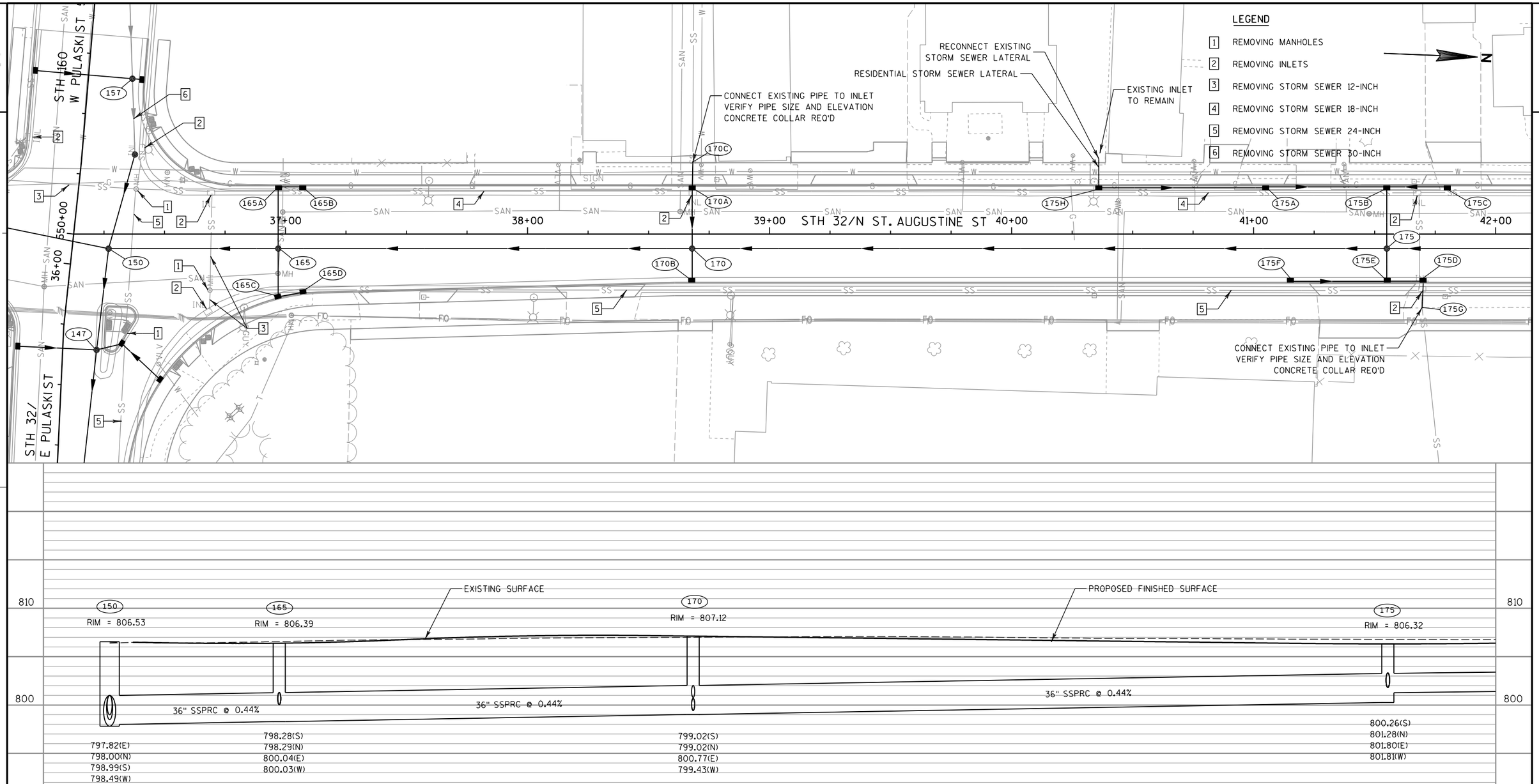
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 68	E



NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

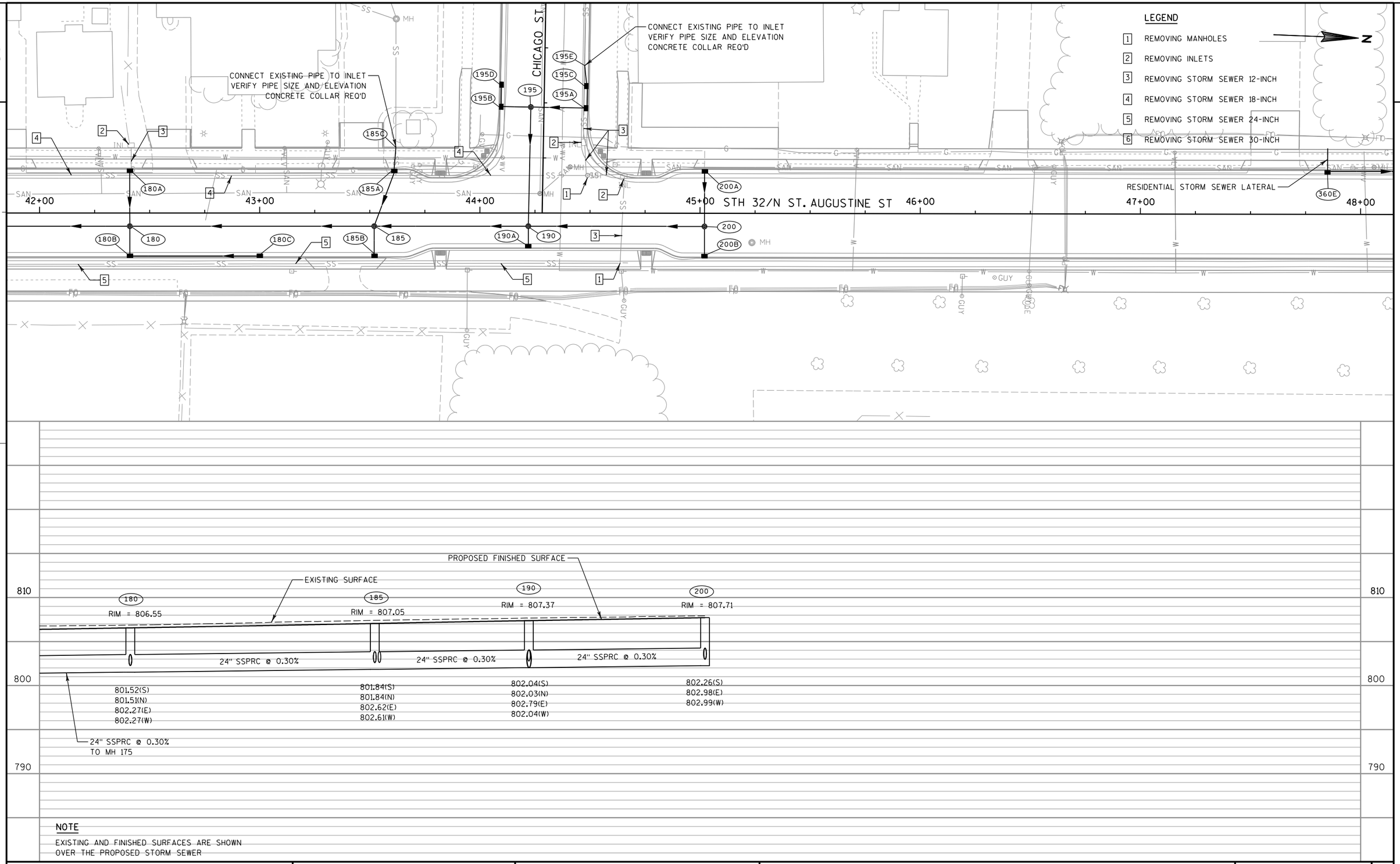
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 69	E



NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

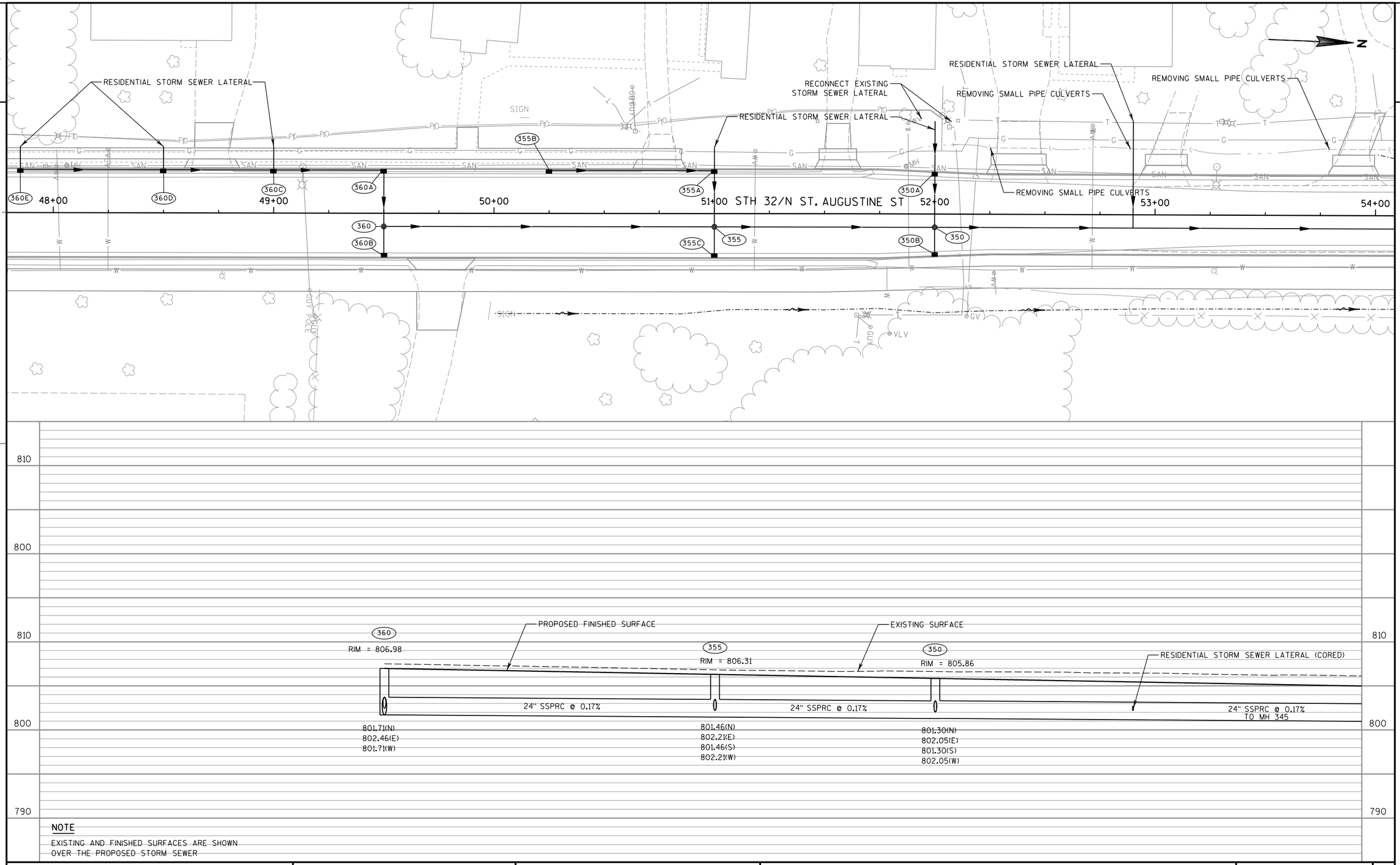
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 70	E



NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

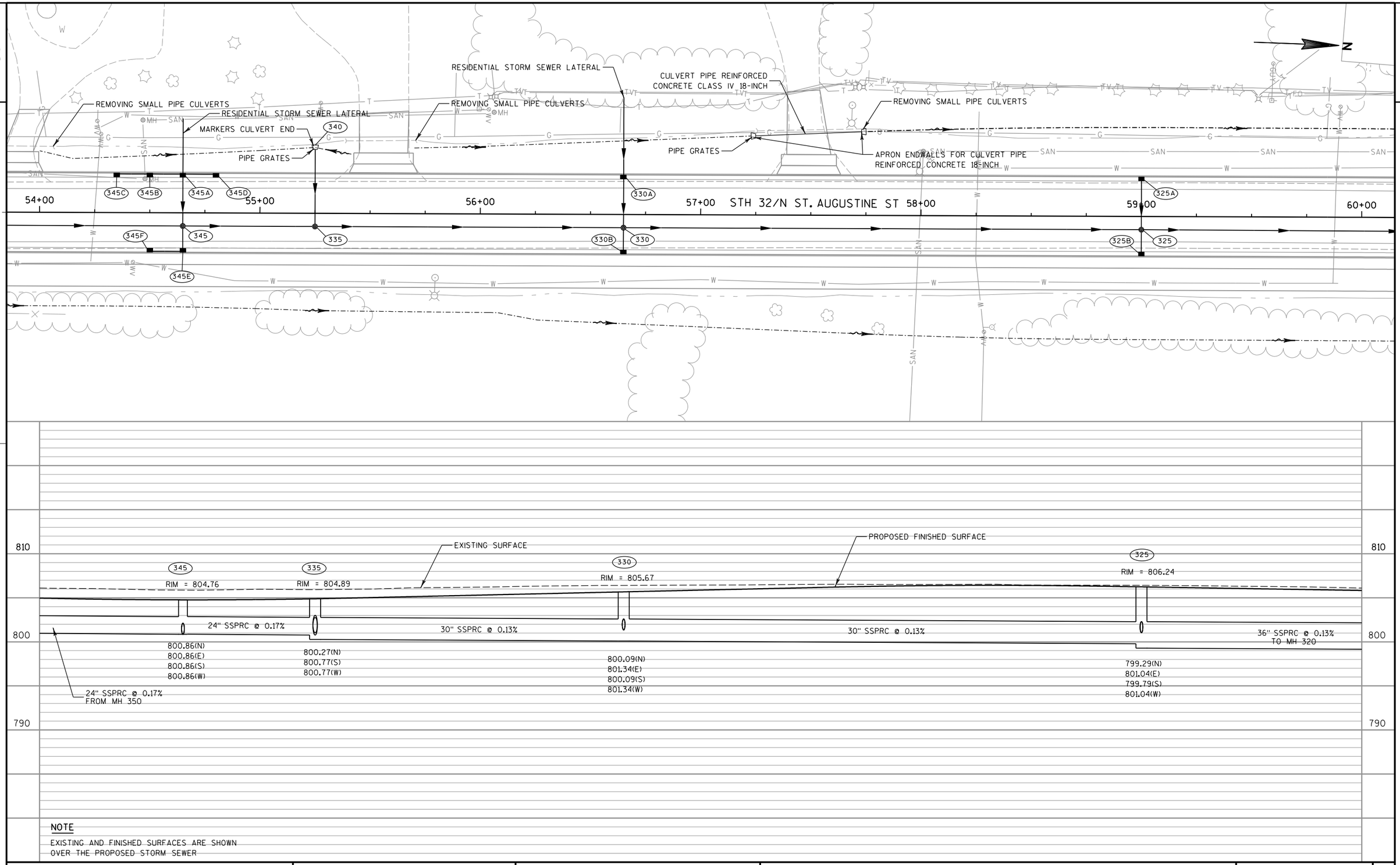
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 71	E



NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

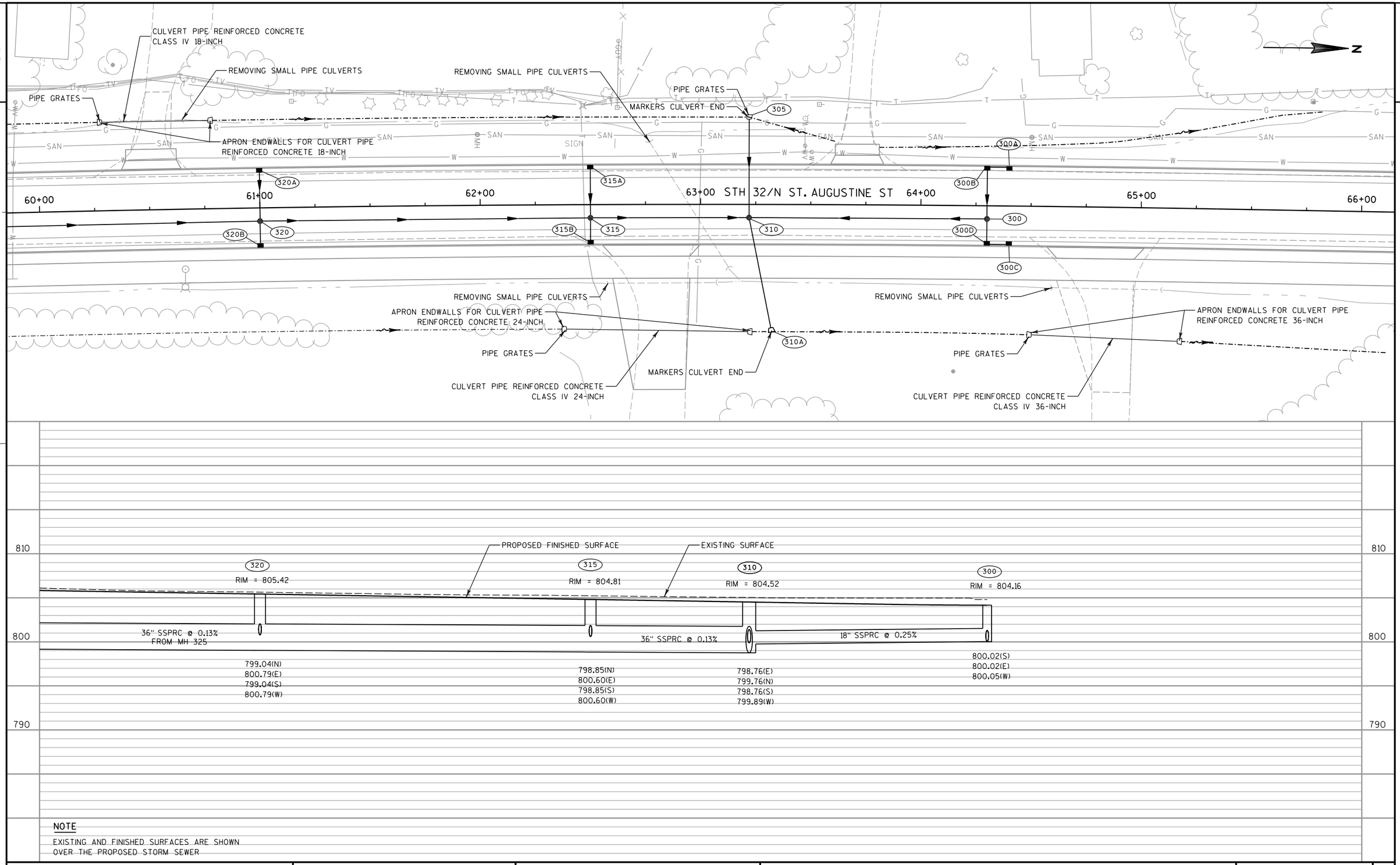
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 72	E



NOTE

EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

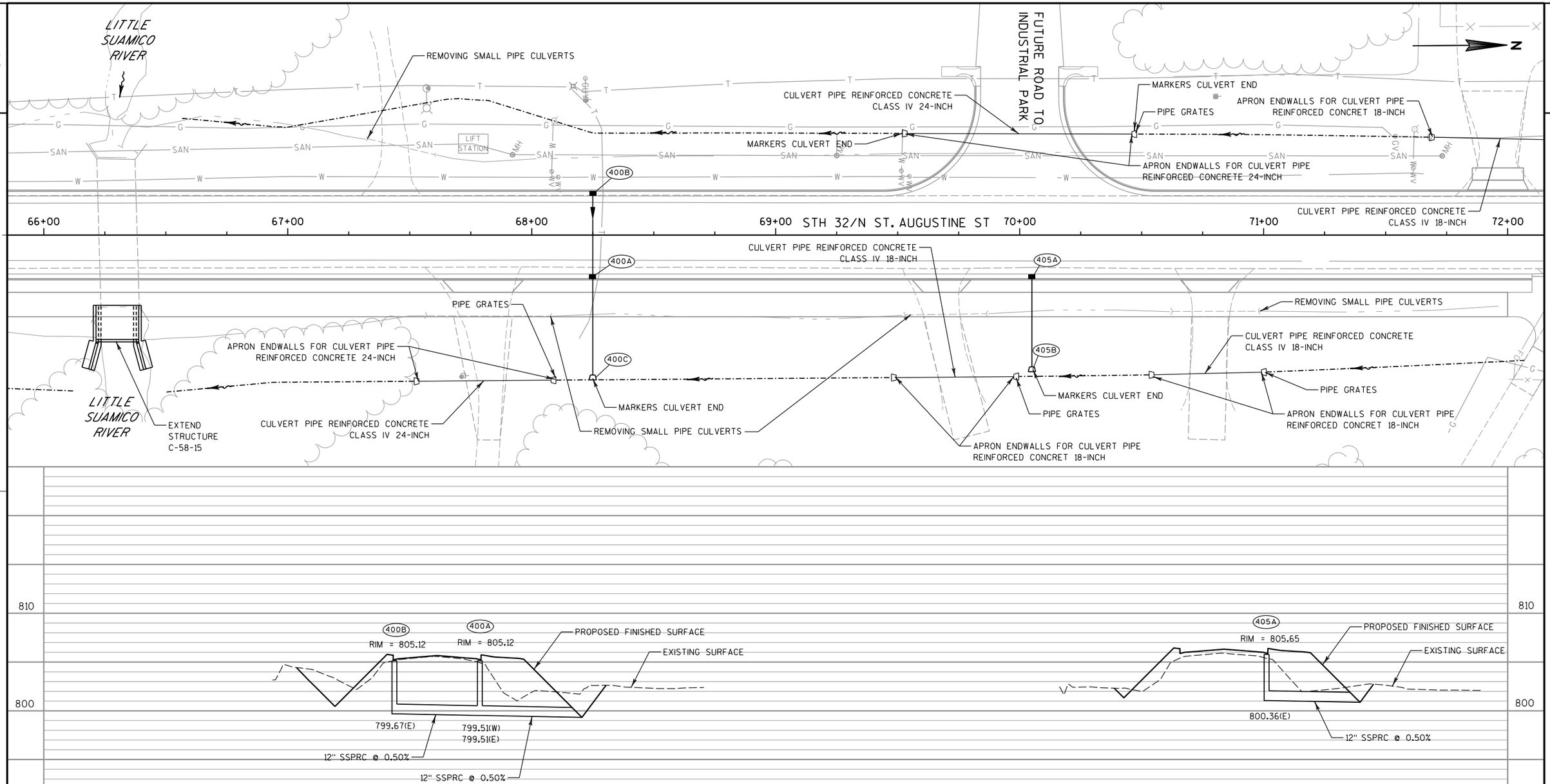
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NOTE

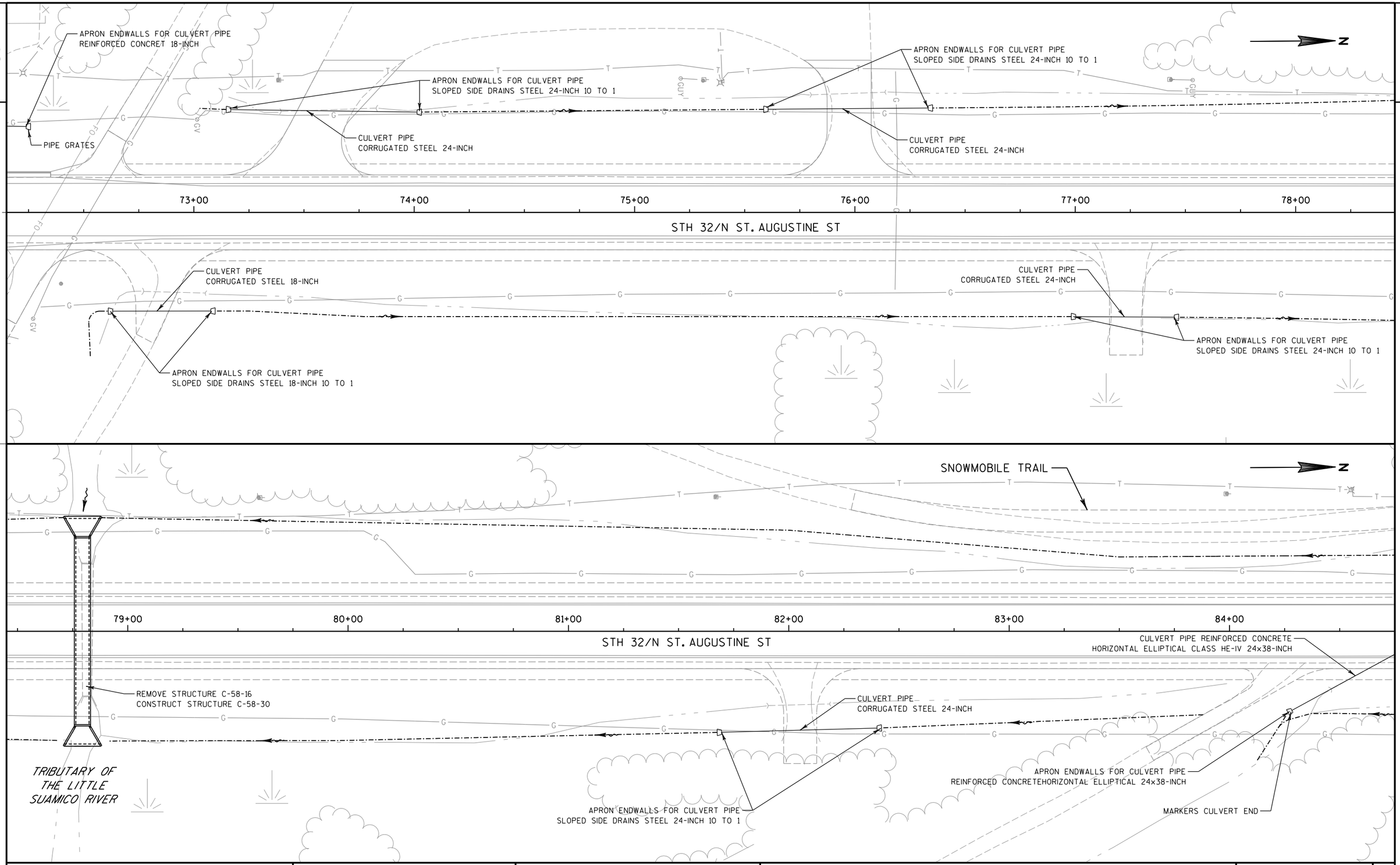
EXISTING AND FINISHED SURFACES ARE SHOWN OVER THE PROPOSED STORM SEWER

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 74	E



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 75	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\022514_ss.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 76	E

2

2

N

SNOWMOBILE TRAIL

APRON ENDWALLS FOR CULVERT PIPE
REINFORCED CONCRETEHORIZONTAL ELLIPTICAL 24x38-INCH

MARKERS CULVERT END

APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS STEEL 18-INCH 10 TO 1

APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS STEEL 18-INCH 10 TO 1

DEER DR

84+00 85+00 86+00 87+00 88+00 89+00 90+00

STH 32/N ST. AUGUSTINE ST

CULVERT PIPE REINFORCED CONCRETE
HORIZONTAL ELLIPTICAL CLASS HE-IV 24x38-INCH

CULVERT PIPE
CORRUGATED STEEL 18-INCH

CULVERT PIPE
CORRUGATED STEEL 18-INCH

APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS STEEL 18-INCH 10 TO 1

APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS STEEL 18-INCH 10 TO 1

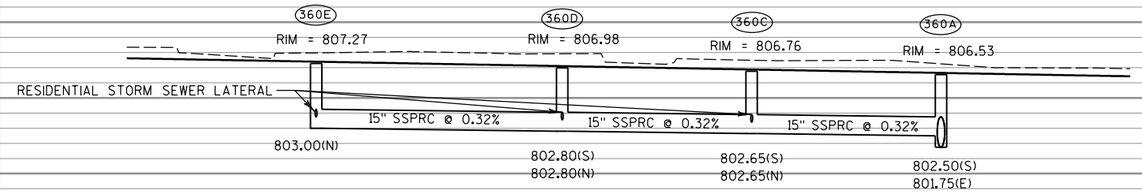
MARKERS CULVERT END

APRON ENDWALLS FOR CULVERT PIPE
REINFORCED CONCRETEHORIZONTAL ELLIPTICAL 24x38-INCH

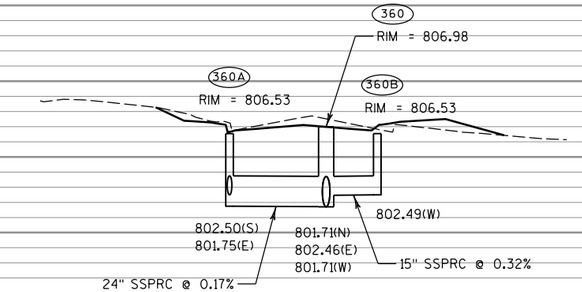
SIGN

S CHASE RD

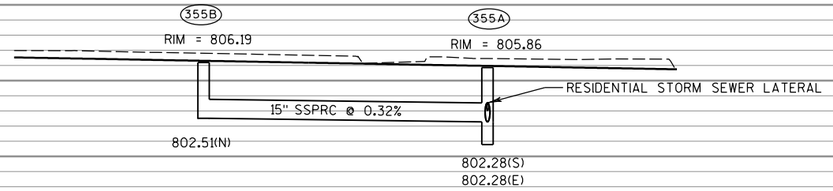
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 77	E



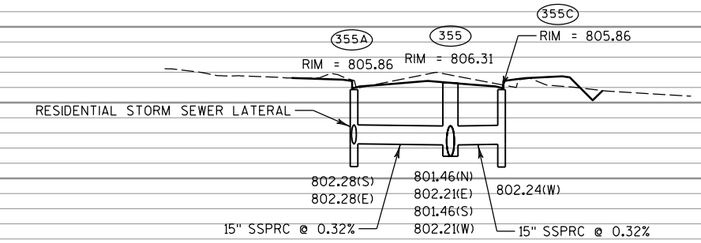
STA 47+85 - STA 49+50
STH 32 / N ST. AUGUSTINE ST



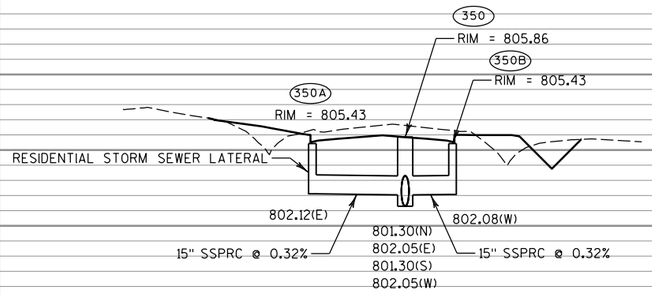
STA 49+50
STH 32 / N ST. AUGUSTINE ST



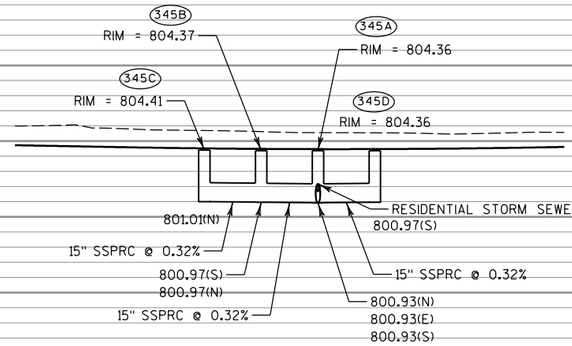
STA 50+25 - STA 51+00
STH 32 / N ST. AUGUSTINE ST



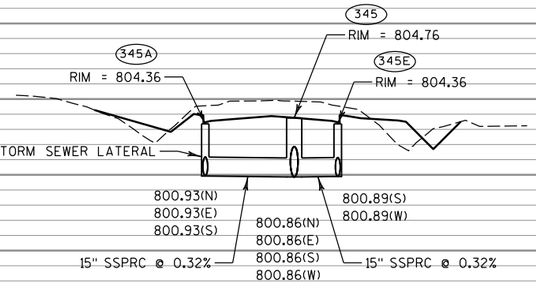
STA 51+00
STH 32 / N ST. AUGUSTINE ST



STA 52+00
STH 32 / N ST. AUGUSTINE ST

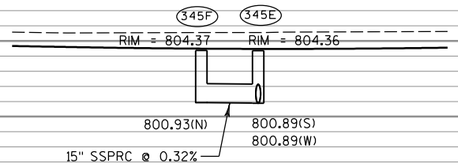


STA 54+35 - STA 54+80
STH 32 / N ST. AUGUSTINE ST

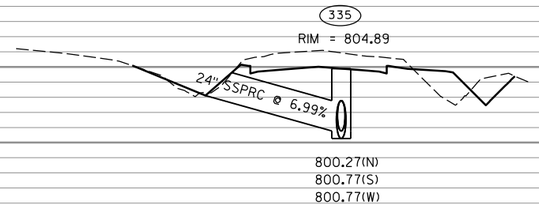


STA 54+65
STH 32 / N ST. AUGUSTINE ST

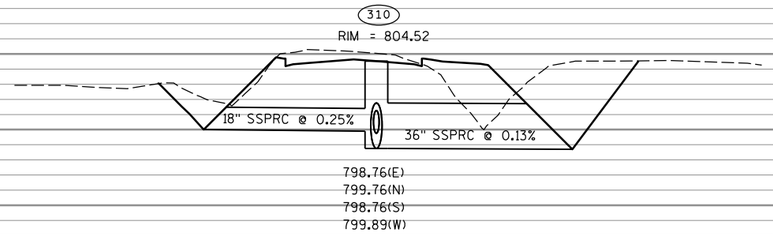
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 78	E



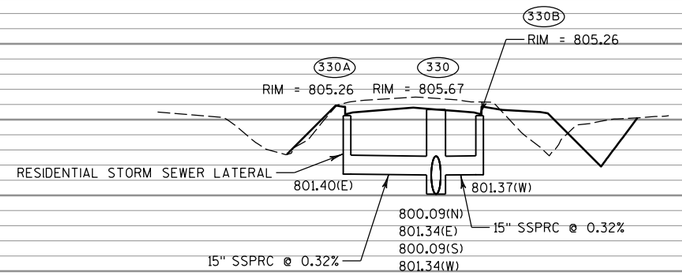
STA 54+50 - STA 54+65
STH 32 / N ST. AUGUSTINE ST



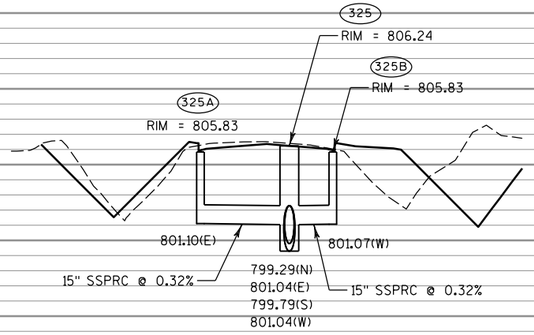
STA 55+25
STH 32 / N ST. AUGUSTINE ST



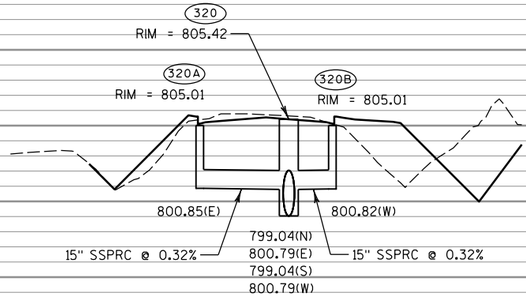
STA 63+22
STH 32 / N ST. AUGUSTINE ST



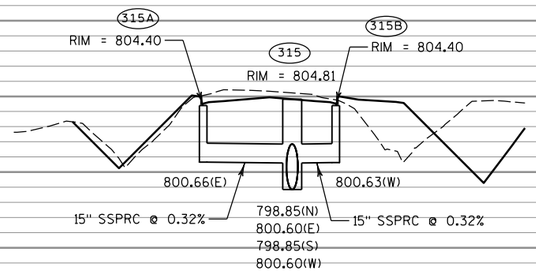
STA 56+65
STH 32 / N ST. AUGUSTINE ST



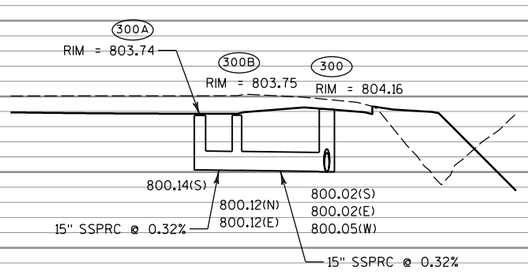
STA 59+00
STH 32 / N ST. AUGUSTINE ST



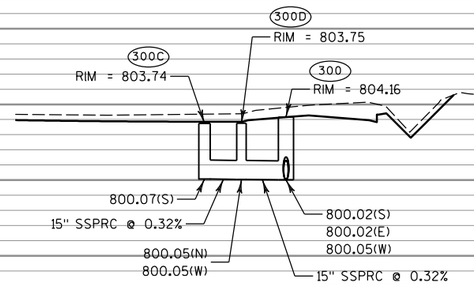
STA 61+00
STH 32 / N ST. AUGUSTINE ST



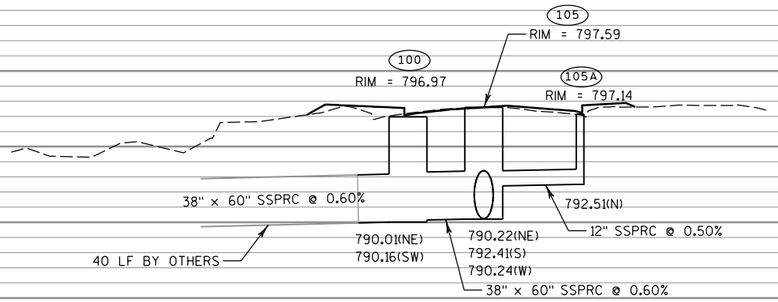
STA 62+50
STH 32 / N ST. AUGUSTINE ST



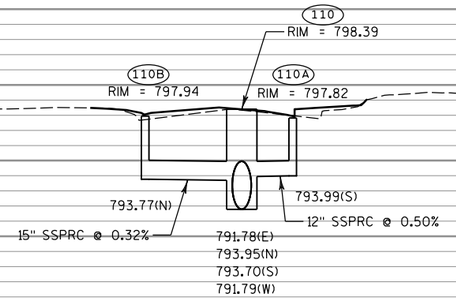
STA 64+30 - STA 64+40
STH 32 / N ST. AUGUSTINE ST



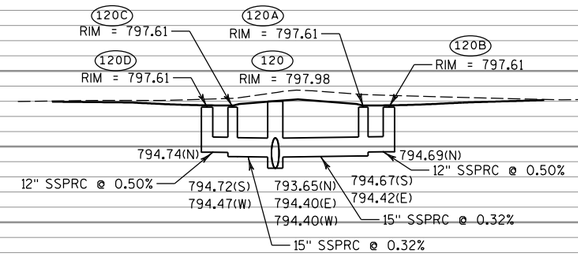
STA 64+30 - STA 64+40
STH 32 / N ST. AUGUSTINE ST



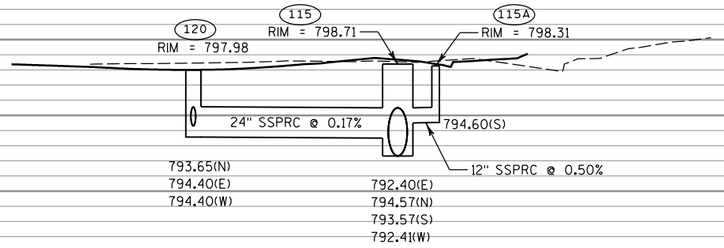
STA 22+85 - STA 23+00
STH 32 / E PULASKI ST



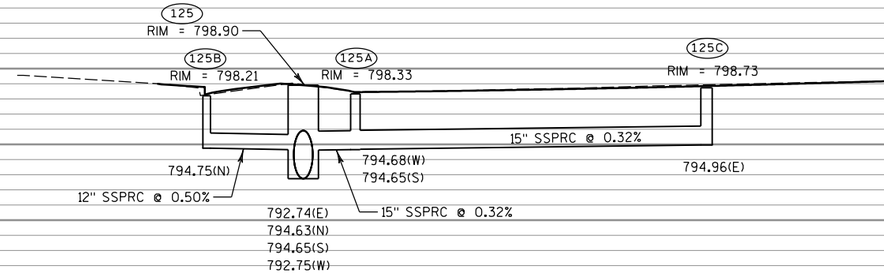
STA 25+66
STH 32 / E PULASKI ST



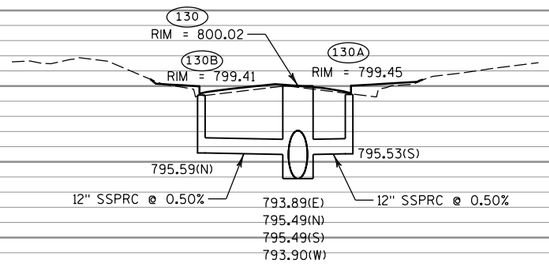
STA 449+45 - STA 449+52
FLORA ST



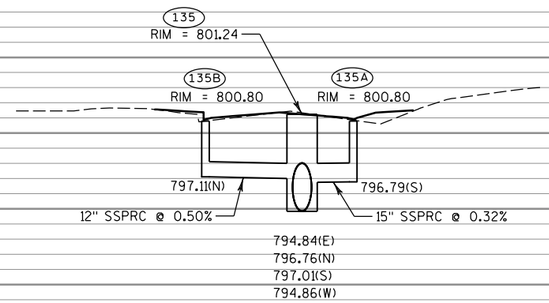
STA 449+52 - STA 26+62
FLORA ST AND STH 32 / E PULASKI ST



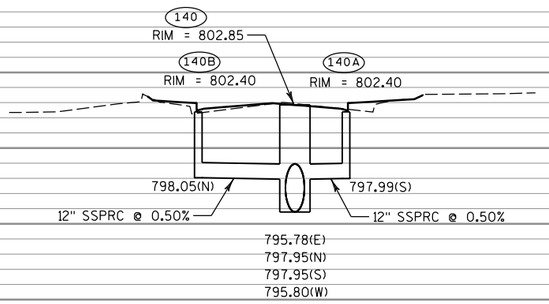
STA 27+37 - STA 28+30
STH 32 / E PULASKI ST



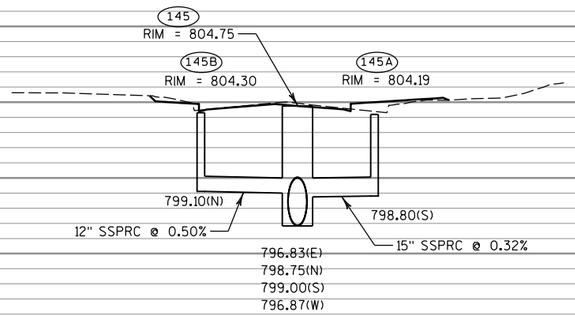
STA 29+35
STH 32 / E PULASKI ST



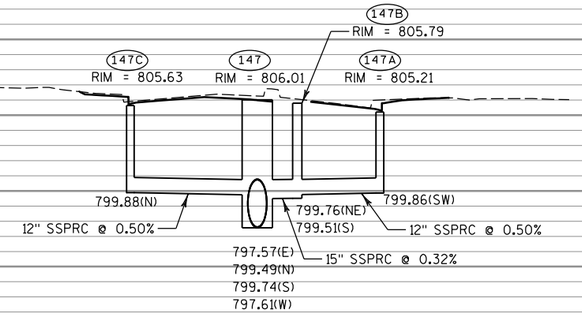
STA 31+00
STH 32 / E PULASKI ST



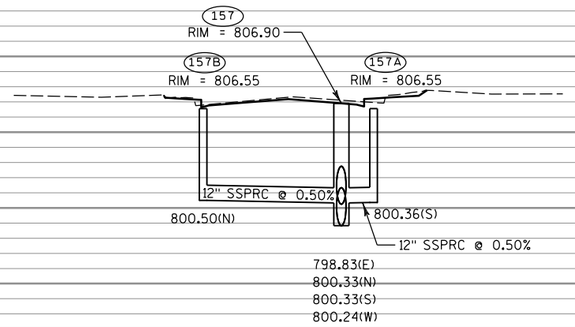
STA 32+60
STH 32 / E PULASKI ST



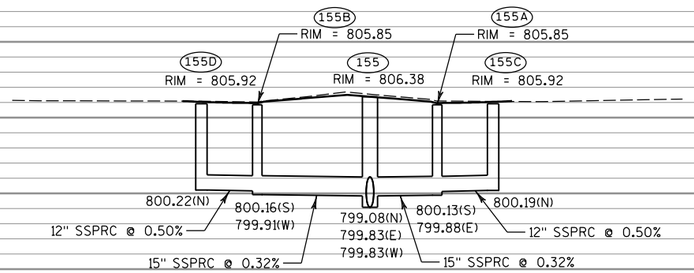
STA 34+40 - STA 34+42
STH 32 / E PULASKI ST



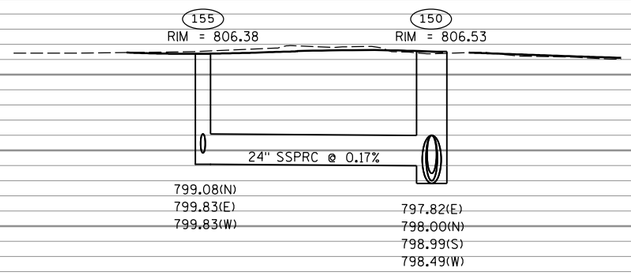
STA 35+54 - STA 35+68
STH 32 / E PULASKI ST



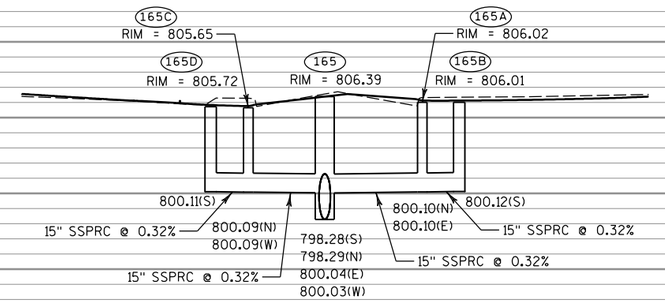
STA 550+66
STH 32 / W PULASKI ST



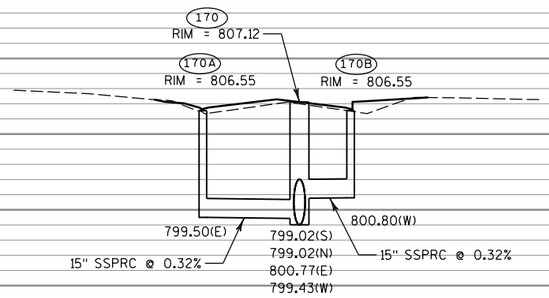
STA 499+40 - STA 499+55
S ST. AUGUSTINE ST



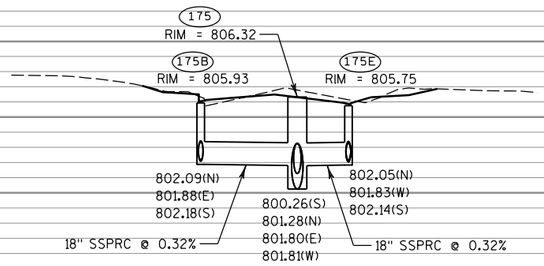
STA 36+08 - STA 499+55
STH 32 / N ST. AUGUSTINE ST AND S ST. AUGUSTINE ST



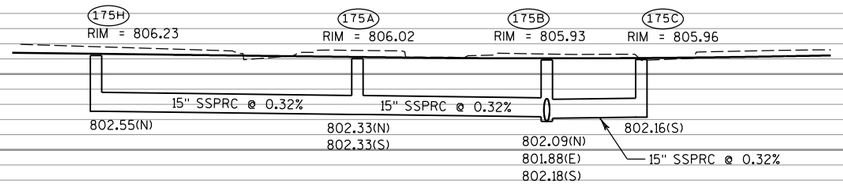
STA 36+97 - STA 37+07
STH 32 / N ST. AUGUSTINE ST



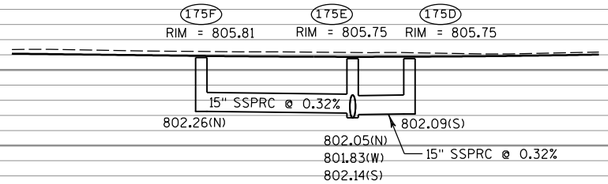
STA 38+68
STH 32 / N ST. AUGUSTINE ST



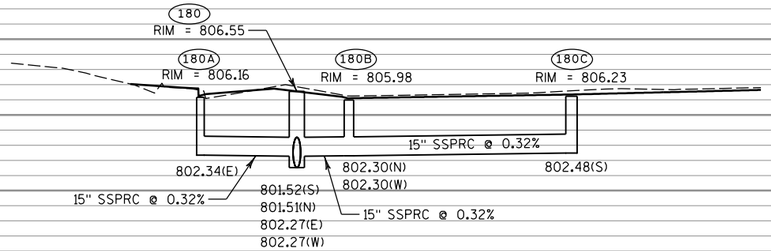
STA 41+55
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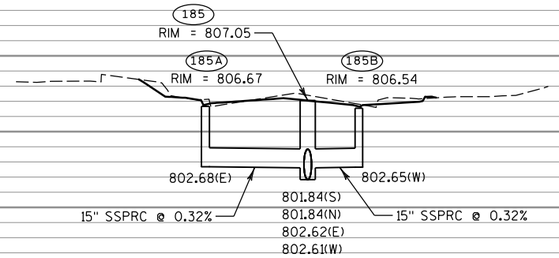
STA 40+36 - STA 41+80
STH 32 / N ST. AUGUSTINE ST



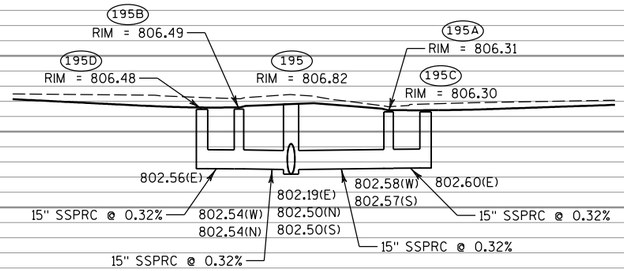
STA 41+15 - STA 41+70
STH 32 / N ST. AUGUSTINE ST



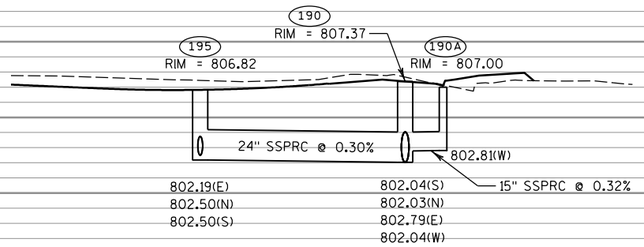
STA 42+41 - STA 43+00
STH 32 / N ST. AUGUSTINE ST



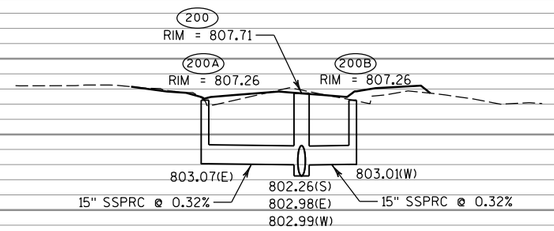
STA 43+52 - STA 43+61
STH 32 / N ST. AUGUSTINE ST



STA 599+42 - STA 599+52
CHICAGO ST

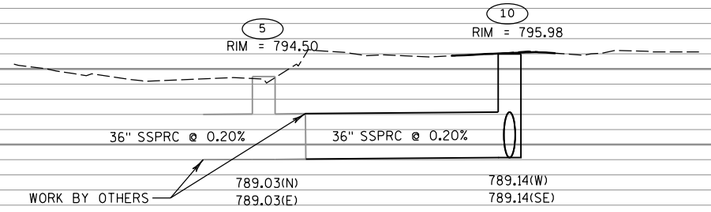


STA 44+22 - STA 599+52
STH 32 / N ST. AUGUSTINE ST AND CHICAGO ST

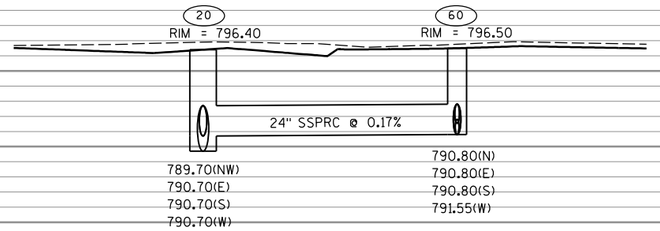


STA 45+02
STH 32 / N ST. AUGUSTINE ST

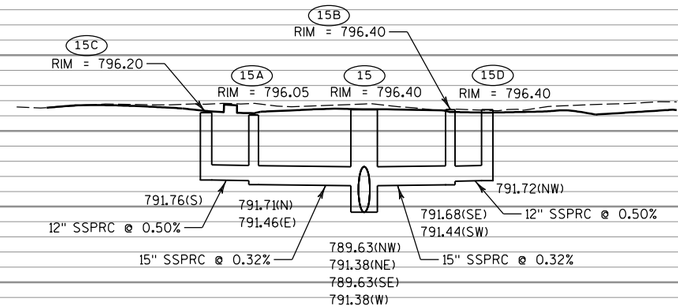
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 82	E



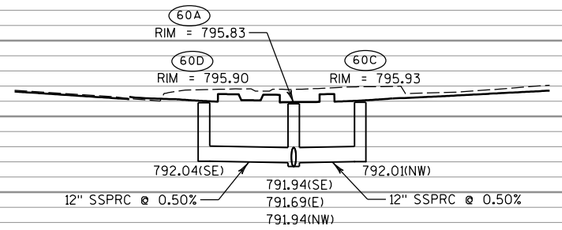
STA 353+00 - STA 353+27
N WISCONSIN ST



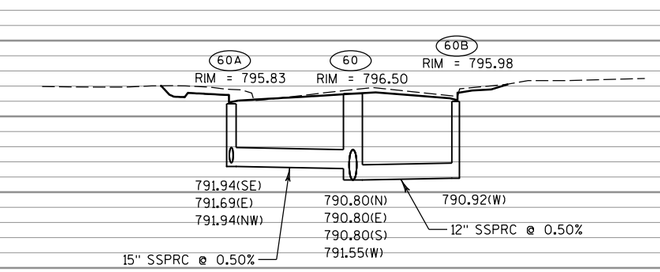
STA 12+15 - STA 13+02
S WISCONSIN ST AND STH 32 / E PULASKI ST



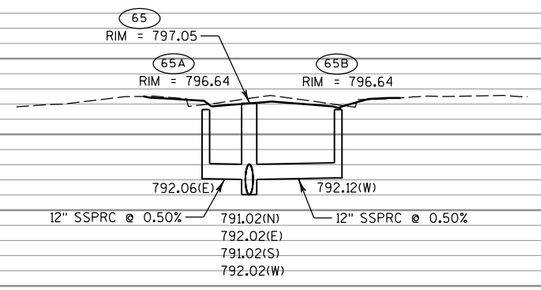
STA 350+40 - STA 350+77
N WISCONSIN ST



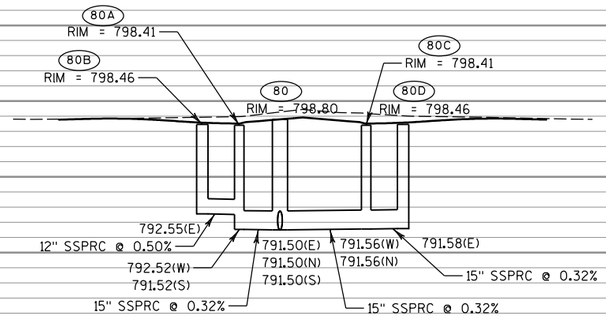
STA 12+15 - STA 12+31
STH 32 / S WISCONSIN ST



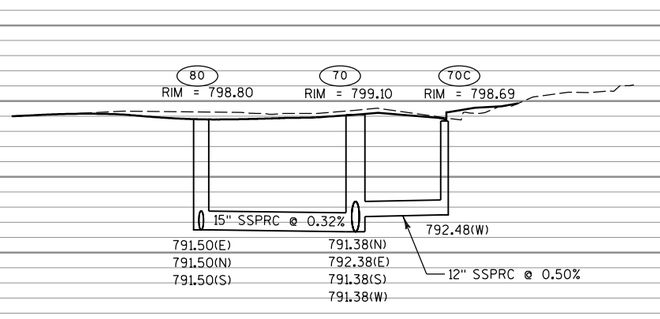
STA 12+15
STH 32 / S WISCONSIN ST



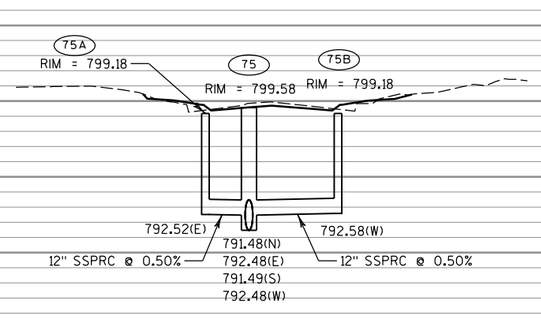
STA 10+80
STH 32 / S WISCONSIN ST



STA 249+45 - STA 249+55
SUMMIT ST

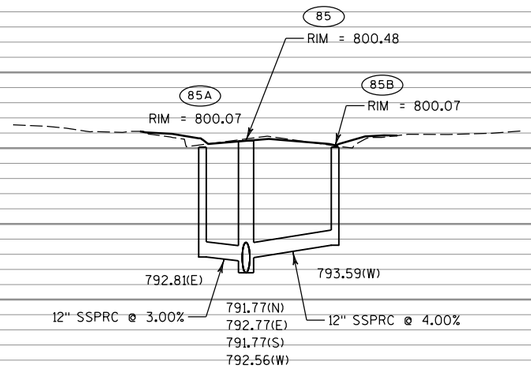


STA 8+65 - STA 249+55
STH 32 / S WISCONSIN ST AND SUMMIT ST

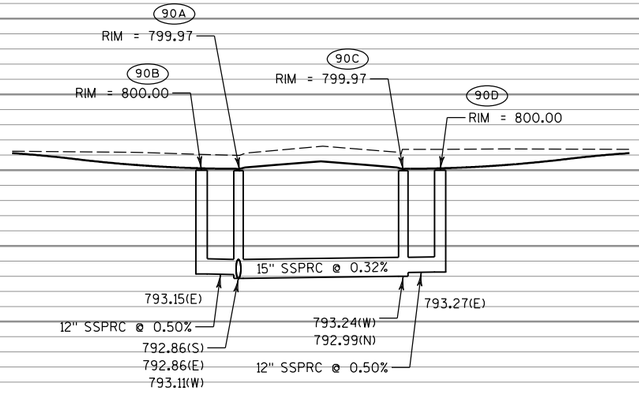


STA 8+02
STH 32 / S WISCONSIN ST

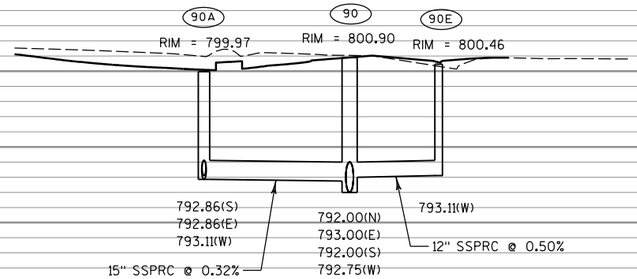
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 83	E



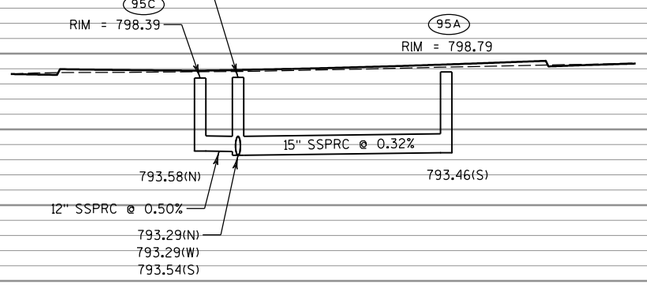
STA 6+30
STH 32 / S WISCONSIN ST



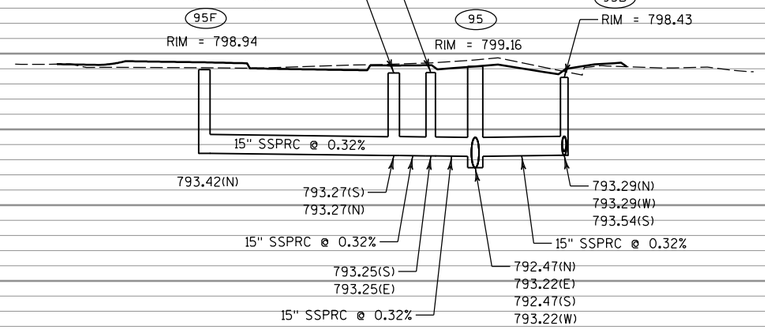
STA 199+46 - STA 199+56
WILLIAMS ST



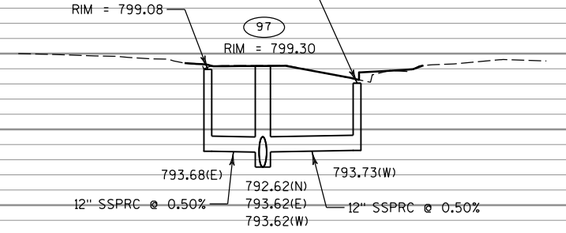
STA 4+90 - STA 199+56
STH 32 / S WISCONSIN ST AND WILLIAMS ST



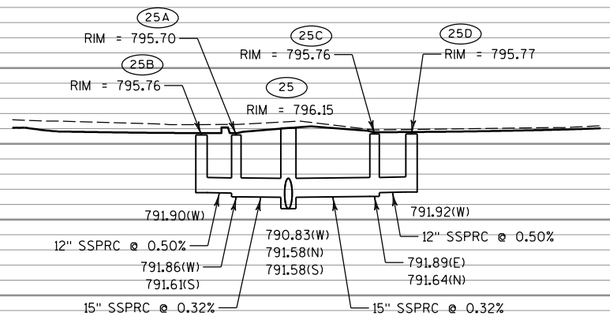
STA 2+00 - STA 2+65
STH 32 / S WISCONSIN ST



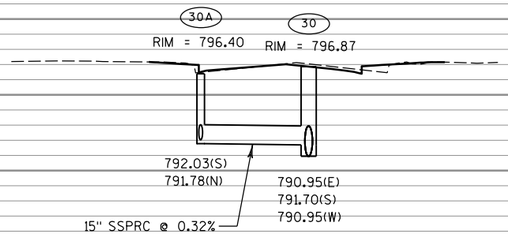
STA 1+50 - STA 2+10
STH 32 / S WISCONSIN ST



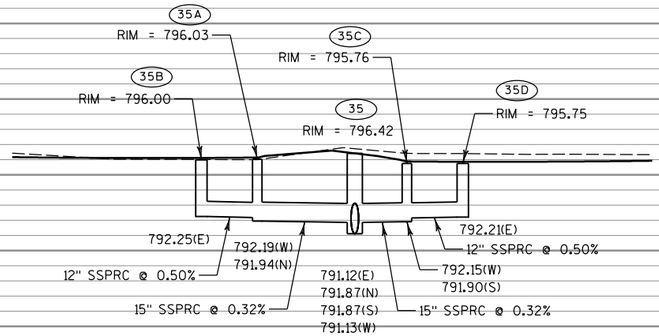
STA 1+15
STH 32 / S WISCONSIN ST



STA 299+39 - STA 299+60
E PULASKI ST

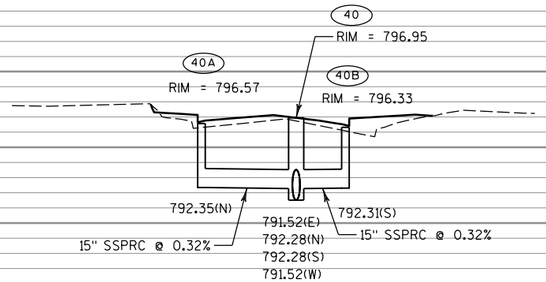


STA 14+55
STH 32 / E PULASKI ST

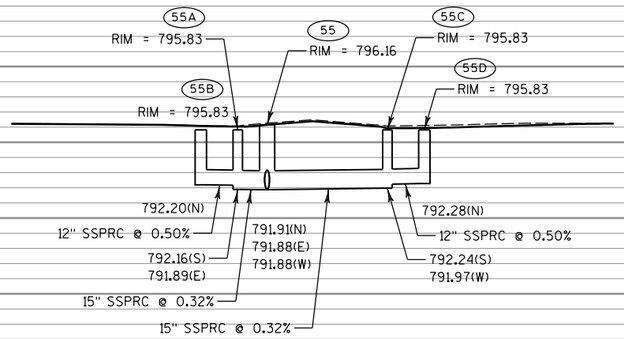


STA 15+59 - STA 15+74
STH 32 / E PULASKI ST

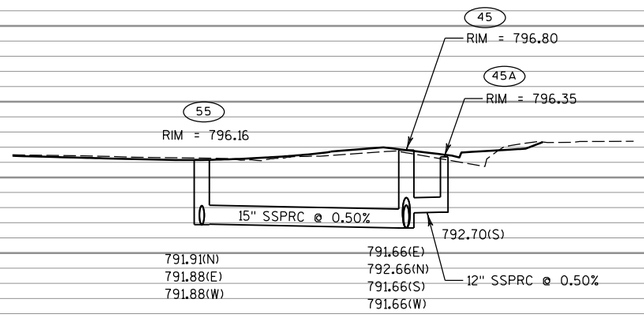
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 84	E



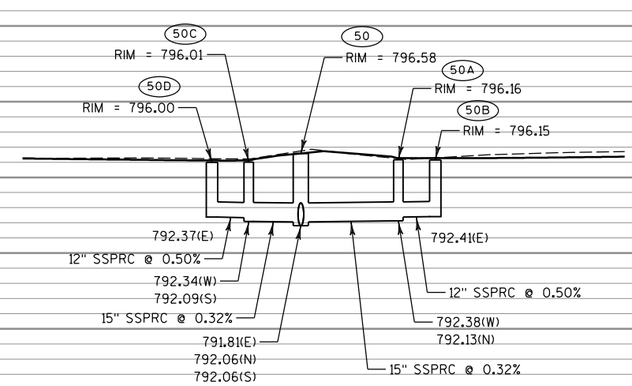
STA 17+95
STH 32 / E PULASKI ST



STA 399+42 - STA 399+52
PINE ST



STA 18+81 - STA 399+52
STH 32 / E PULASKI ST AND PINE ST



STA 19+44 - STA 19+54
STH 32 / E PULASKI ST

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	STORM SEWER	SHEET 85	E

STRUCT NO.	STATION	(1) OFFSET	C-C (FT)	TO STRUCT	CATCH BASIN TYPE / COVER	MH TYPE / COVER	(2) RIM/ GRATE ELEV.	(3) T.O.S. ELEV.	(4) DEPTH (FT)	DISCHARGE PIPE (5) CLASS	SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	(6) LENGTH (FT)	(7) SLOPE (%)	(8) REMARKS
5	353+20.7	78.9' LT	19.1	5A	--	7-FT DIAMETER / J	795.61	794.36	5.35	III	36	789.01	788.96	8	0.20	WORK TO BE COMPLETED BY OTHERS
5A	353+34	65.1' LT	--	--	--	--	--	--	--	--	--	--	--	--	--	APRON ENDWALL REQUIRED - WORK TO BE COMPLETED BY OTHERS
10	352+87.3	6.0' LT	80.2	5	--	6-FT DIAMETER / J	796.14	794.89	5.74	IV	36	789.15	789.01	74	0.20	8 LF OF PIPE TO MH 5 TO BE COMPLETED BY OTHERS
15	350+50	6.0' LT	250.0	10	--	7-FT DIAMETER / J	796.40	795.15	5.52	IV	36	789.63	789.14	244	0.20	
15A	350+67	29.4' LT	28.9	15	2x3-FT / H-S	--	796.05	795.22	3.76	IV	15	791.46	791.38	24	0.32	
15B	350+50	16.5' RT	21.6	15	2x3-FT / H-S	--	796.40	795.57	4.14	IV	15	791.43	791.38	17	0.32	
15C	350+77	21.4' LT	12.8	15A	2x3-FT / H-S	--	796.20	795.37	3.61	IV	12	791.76	791.71	10	0.50	
15D	350+40	16.5' RT	10.0	15B	2x3-FT / H-S	--	796.40	795.57	3.85	IV	12	791.72	791.68	7	0.50	SEALING PIPES REQUIRED ON EXISTING STORM SEWER PIPE TO NORTH
20	13+01.9	6.0' RT	40.0	15	--	7-FT DIAMETER / J	796.40	795.15	5.45	IV	36	789.70	789.63	33	0.20	
25	299+50	6.0' RT	80.2	20	--	4-FT DIAMETER / J	796.15	794.90	4.07	IV	24	790.83	790.70	75	0.17	
25A	299+50	19.5' RT	13.5	25	2x3-FT / HD-S	--	795.70	794.87	3.26	IV	15	791.61	791.58	11	0.32	
25B	299+39	19.2' RT	11.0	25A	2x3-FT / HD-S	--	795.76	794.93	3.03	IV	12	791.90	791.86	8	0.50	
25C	299+50	16.5' LT	22.5	25	2x3-FT / H-S	--	795.76	794.93	3.29	IV	15	791.64	791.58	20	0.32	
25D	299+40	16.8' LT	10.0	25C	2x3-FT / H-S	--	795.77	794.94	3.01	IV	12	791.93	791.89	7	0.50	
30	14+55	6.0' RT	153.1	20	--	4-FT DIAMETER / J	796.87	795.62	4.67	IV	24	790.95	790.70	148	0.17	
30A	14+55	22.5' LT	28.7	30	2x3-FT / H	--	796.40	795.57	3.79	IV	15	791.78	791.70	26	0.32	
30B	14+55	33.0' LT	11.5	30A	--	--	--	--	--	III	12	EXIST	792.03	10	0.50	CONNECT TO EXISTING PIPE FROM SOUTH, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
35	15+59	6.0' RT	104.0	30	--	4-FT DIAMETER / J	796.42	795.17	4.05	IV	24	791.12	790.95	100	0.17	
35A	15+59	19.5' LT	25.5	35	2x3-FT / H-S	--	796.03	795.20	3.26	IV	15	791.94	791.87	23	0.32	RESIDENTIAL STORM SEWER LATERALS AND RECONNECT EXISTING STORM SEWER LATERAL
35B	15+74	19.5' LT	15.0	35A	2x3-FT / H-S	--	796.00	795.17	2.92	IV	12	792.25	792.19	12	0.50	
35C	15+59	19.5' RT	13.5	35	2x3-FT / H-S	--	795.76	794.93	3.03	IV	15	791.90	791.87	11	0.32	
35D	15+74	19.5' RT	15.0	35C	2x3-FT / H-S	--	795.75	794.92	2.71	IV	12	792.21	792.15	12	0.50	
40	17+95	6.0' RT	241.0	35	--	4-FT DIAMETER / J	796.95	795.70	4.17	IV	24	791.53	791.13	237	0.17	
40A	17+95	19.5' LT	25.5	40	2x3-FT / H	--	796.57	795.74	3.39	IV	15	792.35	792.28	23	0.32	
40B	17+95	19.5' RT	13.5	40	2x3-FT / H	--	796.33	795.50	3.19	IV	15	792.31	792.28	11	0.32	
45	18+81	6.0' RT	81.0	40	--	4-FT DIAMETER / J	796.80	795.55	3.89	IV	24	791.66	791.53	77	0.17	
45A	18+81	16.0' RT	9.5	45	2x3-FT / HM	--	796.35	795.52	2.83	IV	12	792.69	792.66	7	0.50	
50	19+44	6.0' RT	63.0	45	--	4-FT DIAMETER / J	796.58	795.33	3.52	IV	18	791.81	791.66	59	0.25	
50A	19+44	19.5' LT	25.5	50	2x3-FT / H-S	--	796.16	795.33	3.20	IV	15	792.13	792.06	22	0.32	
50B	19+54	19.5' LT	10.0	50A	2x3-FT / H-S	--	796.15	795.32	2.90	IV	12	792.42	792.38	7	0.50	
50C	19+44	19.5' RT	13.5	50	2x3-FT / H-S	--	796.01	795.18	3.09	IV	15	792.09	792.06	11	0.32	
50D	19+54	19.5' RT	10.0	50C	2x3-FT / H-S	--	796.00	795.17	2.80	IV	12	792.37	792.34	7	0.50	
51	22+52	26.5' RT	--	--	--	--	--	--	--	--	--	--	--	--	--	COVER EXISTING INLET OPENING IN BOX CULVERT, STEEL PLATE REQUIRED
52	22+53	19.5' RT	--	--	--	--	--	--	--	--	--	--	--	--	--	REPAIR OPENING IN BOX CULVERT WALL FROM EXISTING STORM SEWER
53	22+64	19.5' LT	--	--	EXIST BOX CULVERT / H	--	797.03	796.20	--	--	--	--	--	--	--	PLACE TYPE H CASTING OVER EXISTING OPENING IN BOX CULVERT

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE
(2) RIM ELEVATION FOR MANHOLE AND FIELD INLET TO CENTER OF CASTING. RIM ELEVATION FOR INLET IN CURB AND GUTTER IS SUBTRACT 1-INCH FROM FLOW LINE ELEVATION
(3) TOP OF STRUCTURE ELEVATION (TOS) DETERMINED BY SUBTRACTING CASTING HEIGHT AND 6-INCHES, FOR ADJUSTMENT, FROM RIM ELEVATION. A TYPE J MH CASTING HEIGHT IS 9 INCHES IN HEIGHT AND A TYPE H/H-S/HD/HD-S CATCH BASIN CASTING IS 4 INCHES IN HEIGHT.
(4) DEPTH OF STRUCTURE MEASURED FROM SUBTRACTING DISCHARGE ELEVATION FROM T.O.S. (THIS DOES NOT INCLUDE SUMP DEPTH FOR CATCH BASINS 2x3-FT).
(5) CLASS IV PIPE USED WHEN HEIGHT OF COVER IS 0 - 2 FEET
(6) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE
(7) PIPE SLOPE IS CALCULATED USING PIPE LENGTH BETWEEN INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE
(8) STATION AND OFFSET IS TO END OF APRON ENDWALL

STRUCT NO.	STATION	(1) OFFSET	C-C (FT)	TO STRUCT	CATCH BASIN TYPE / COVER	MH TYPE / COVER	(2) RIM/ GRATE ELEV.	(3) T.O.S. ELEV.	(4) DEPTH (FT)	DISCHARGE PIPE (5) CLASS	SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	(6) LENGTH (FT)	(7) SLOPE (%)	(8) REMARKS
55	399+52	12.0' LT	49.0	45	--	4-FT DIAMETER / J	796.16	794.91	3.03	IV	15	791.88	791.66	45	0.50	
55A	399+52	19.5' LT	7.5	55	2x3-FT / H-S	--	795.83	795.00	3.11	IV	15	791.89	791.88	5	0.32	
55B	399+42	19.5' LT	10.0	55A	2x3-FT / H-S	--	795.83	795.00	2.82	IV	12	792.18	792.14	7	0.50	
55C	399+52	19.5' RT	31.5	55	2x3-FT / H-S	--	795.83	795.00	3.03	IV	15	791.97	791.88	29	0.32	
55D	399+42	19.5' RT	10.0	55C	2x3-FT / H-S	--	795.83	795.00	3.01	IV	15	791.99	791.97	7	0.32	
55E	399+36	19.8' RT	11.5	55D	--	--	--	--	--	IV	15	--	791.99	10	0.32	CONNECT TO EXIST PIPE TO SOUTH, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
60	12+15	6.0' LT	67.1	20	--	5-FT DIAMETER / J	796.50	795.25	4.45	IV	24	790.80	790.70	61	0.17	
60A	12+15	38.1' LT	32.4	60	2x3-FT / H-S	--	795.83	795.00	3.36	IV	15	791.64	791.55	29	0.32	
60B	12+15	21.1' RT	27.0	60	2x3-FT / H	--	795.98	795.15	4.23	IV	12	790.92	790.80	24	0.50	
60C	12+00	28.9' LT	16.9	60A	2x3-FT / H	--	795.93	795.10	3.09	IV	12	792.01	791.94	14	0.50	
60D	12+31	55.6' LT	23.9	60A	2x3-FT / H	--	795.90	795.07	3.03	IV	12	792.04	791.94	21	0.50	
65	10+80	6.0' LT	135.0	60	--	4-FT DIAMETER / J	797.05	795.80	4.78	IV	24	791.02	790.80	131	0.17	
65A	10+80	17.5' LT	11.5	65	2x3-FT / HD	--	796.64	795.81	3.75	IV	12	792.06	792.02	9	0.50	
65B	10+80	17.5' RT	23.5	65	2x3-FT / HD	--	796.64	795.81	3.69	IV	12	792.12	792.02	21	0.50	
70	8+65	6.0' LT	215.0	65	--	5-FT DIAMETER / J	799.10	797.85	6.47	III	24	791.38	791.02	211	0.17	
70A	8+65	17.5' RT	23.5	70	2x3-FT / H	--	798.69	797.86	5.38	III	12	792.48	792.38	21	0.50	
75	8+02	6.0' LT	63.0	70	--	4-FT DIAMETER / J	799.58	798.33	6.85	III	24	791.48	791.38	59	0.17	
75A	8+02	17.5' LT	11.5	75	2x3-FT / H	--	799.18	798.35	5.83	III	12	792.52	792.48	9	0.50	
75B	8+02	17.5' RT	23.5	75	2x3-FT / H	--	799.18	798.35	5.77	III	12	792.58	792.48	21	0.50	
80	249+55	6.0' LT	40.8	70	--	4-FT DIAMETER / J	798.80	797.55	6.05	III	15	791.50	791.38	36	0.32	
80A	249+55	16.5' LT	10.5	80	2x3-FT / H-S	--	798.41	797.58	6.06	III	15	791.52	791.50	8	0.32	
80B	249+45	16.5' LT	10.0	80A	2x3-FT / H-S	--	798.46	797.63	5.83	III	12	791.80	791.77	7	0.50	
80C	249+55	16.5' RT	22.5	80	2x3-FT / H-S	--	798.41	797.58	6.02	III	15	791.56	791.50	20	0.32	
80D	249+45	16.5' RT	10.0	80C	2x3-FT / H-S	--	798.46	797.63	6.05	III	15	791.58	791.56	7	0.32	
80E	249+34	18.1' RT	11.5	80D	--	--	--	--	--	III	12	--	792.59	10	0.50	CONNECT TO EXIST PIPE TO WEST, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
85	6+30	6.0' LT	172.0	75	--	4-FT DIAMETER / J	800.48	799.23	7.46	III	24	791.77	791.49	168	0.17	
85A	6+30	17.5' LT	11.5	85	2x3-FT / H	--	800.07	799.24	6.13	III	12	793.11	792.77	9	4.00	
85B	6+30	17.5' RT	24.0	85	2x3-FT / HD	--	800.07	799.24	5.63	III	12	793.61	792.77	21	4.00	
90	4+90	6.0' LT	140.0	85	--	4-FT DIAMETER / J	800.90	799.65	7.65	III	24	792.00	791.77	136	0.17	
90A	199+56	21.5' LT	38.5	90	2x3-FT / H-S	--	799.97	799.14	6.28	III	15	792.86	792.75	35	0.32	
90B	199+46	21.5' LT	10.0	90A	2x3-FT / H-S	--	800.00	799.17	6.02	III	12	793.15	793.11	7	0.50	
90C	199+56	21.5' RT	42.6	90A	2x3-FT / H-S	--	799.97	799.14	6.15	III	15	792.99	792.86	41	0.32	
90D	199+46	21.5' RT	10.0	90C	2x3-FT / H-S	--	800.00	799.17	5.89	III	12	793.28	793.24	7	0.50	
90E	4+90	17.5' RT	23.5	90	2x3-FT / HD	--	800.46	799.63	6.53	III	12	793.10	793.00	21	0.50	
95	2+10	6.0' LT	280.0	90	--	4-FT DIAMETER / J	799.16	797.91	5.44	III	24	792.47	792.00	276	0.17	
95A	2+65	17.5' RT	55.0	95B	2x3-FT / H	--	798.79	797.96	4.50	III	15	793.46	793.29	52	0.32	RESIDENTIAL STORM SEWER LATERALS AND RECONNECT EXISTING STORM SEWER LATERAL
95B	2+10	17.5' RT	23.5	95	2x3-FT / H-S	--	798.43	797.60	4.31	III	15	793.29	793.22	21	0.32	
95C	2+00	17.5' RT	10.0	95B	2x3-FT / H-S	--	798.39	797.56	3.99	III	12	793.57	793.54	7	0.50	
95D	2+10	17.5' LT	11.5	95	2x3-FT / H-S	--	798.75	797.92	4.67	III	15	793.25	793.22	9	0.32	
95E	2+00	17.5' LT	10.0	95D	2x3-FT / H-S	--	798.72	797.89	4.62	III	15	793.27	793.25	7	0.32	
95F	1+50	17.5' LT	50.0	95E	2x3-FT / H	--	798.94	798.11	4.69	III	15	793.42	793.27	47	0.32	RESIDENTIAL STORM SEWER LATERALS AND RECONNECT EXISTING STORM SEWER LATERAL
97	1+15	6.0' LT	95.0	95	--	4-FT DIAMETER / J	799.30	798.05	5.43	III	24	792.62	792.47	91	0.17	
97A	1+15	18.9' RT	24.9	97	2x3-FT / H	--	798.17	797.34	3.61	III	12	793.73	793.62	22	0.50	RESIDENTIAL STORM SEWER LATERALS AND RECONNECT EXISTING STORM SEWER LATERAL
97B	1+14.6	20.5' LT	14.5	97	2x3-FT / H	--	799.08	798.25	4.57	III	12	793.68	793.62	12	0.50	SEALING PIPES REQUIRED ON EXISTING 12" STORM SEWER TO SOUTH

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE
(2) RIM ELEVATION FOR MANHOLE AND FIELD INLET TO CENTER OF CASTING. RIM ELEVATION FOR INLET IN CURB AND GUTTER IS SUBTRACT 1-INCH FROM FLOW LINE ELEVATION
(3) TOP OF STRUCTURE ELEVATION (TOS) DETERMINED BY SUBTRACTING CASTING HEIGHT AND 6-INCHES, FOR ADJUSTMENT, FROM RIM ELEVATION. A TYPE J MH CASTING HEIGHT IS 9 INCHES IN HEIGHT AND A TYPE H/H-S/HD/HD-S CATCH BASIN CASTING IS 4 INCHES IN HEIGHT.
(4) DEPTH OF STRUCTURE MEASURED FROM SUBTRACTING DISCHARGE ELEVATION FROM T.O.S. (THIS DOES NOT INCLUDE SUMP DEPTH FOR CATCH BASINS 2x3-FT).
(5) CLASS IV PIPE USED WHEN HEIGHT OF COVER IS 0 - 2 FEET
(6) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE
(7) PIPE SLOPE IS CALCULATED USING PIPE LENGTH BETWEEN INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE
(8) STATION AND OFFSET IS TO END OF APRON ENDWALL

STRUCT NO.	STATION	(1) OFFSET	C-C (FT)	TO STRUCT	CATCH BASIN TYPE / COVER	MH TYPE / COVER	(2) RIM/ GRATE ELEV.	(3) T.O.S. ELEV.	(4) DEPTH (FT)	DISCHARGE PIPE (5) CLASS	SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	(6) LENGTH (FT)	(7) SLOPE (%)	(8) REMARKS
100	22+85	19.2' RT	54.7	100A	--	SPECIAL 10-FT DIAMETER / H	796.97	796.14	5.99	IV	38x60	790.15	789.91	50	0.60	40 LF OF PIPE TO 100A TO BE COMPLETED BY OTHERS
100A	22+55	65.0' RT	--	--	--	--	--	--	--	--	--	--	--	--	--	APRON ENDWALL REQUIRED - WORK TO BE COMPLETED BY OTHERS
105	23+00	6.0' RT	15.6	100	--	SPECIAL 10-FT DIAMETER / J	797.59	796.34	6.12	IV	38x60	790.22	790.16	10	0.60	
105A	23+00	19.5' LT	25.5	105	2x3-FT / H	--	797.14	796.31	3.80	IV	12	792.51	792.41	20	0.50	
110	25+66	6.0' RT	266.0	105	--	8-FT DIAMETER / J	798.39	797.14	5.36	IV	38x60	791.78	790.24	257	0.60	
110A	25+66	19.5' RT	13.5	110	2x3-FT / H	--	797.82	796.99	3.00	IV	12	793.99	793.95	9	0.50	
110B	25+66	19.5' LT	24.8	110	2x3-FT / HD	--	797.94	797.11	3.34	IV	15	793.77	793.70	21	0.32	
110C	25+67	24.8' LT	6.0	110B	--	--	--	--	--	III	12	--	793.77	5	0.50	CONNECT EXISTING PIPE FROM SOUTH, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
115	26+75	6.0' RT	109.0	110	--	8-FT DIAMETER / J	798.71	797.46	5.06	IV	38x60	792.40	791.79	101	0.60	
115A	26+75	16.0' RT	9.5	115	2x3-FT / HM	--	798.34	797.51	2.91	IV	12	794.60	794.57	5	0.50	
120	449+52	7.1' LT	54.0	115	--	4-FT DIAMETER / J	797.98	796.73	3.08	IV	24	793.65	793.57	48	0.17	
120A	449+52	17.0' LT	10.0	120	2x3-FT / H-S	--	797.61	796.78	2.36	IV	15	794.42	794.40	7	0.32	
120B	449+45	17.0' LT	7.0	120A	2x3-FT / H-S	--	797.61	796.78	2.09	IV	12	794.69	794.67	4	0.50	SEALING PIPES REQUIRED ON EXISTING STORM SEWER PIPE TO SOUTH
120C	449+52	17.0' RT	24.0	120	2x3-FT / H-S	--	797.61	796.78	2.31	IV	15	794.47	794.40	21	0.32	
120D	449+45	17.0' RT	7.0	120C	2x3-FT / H-S	--	797.61	796.78	2.04	IV	12	794.74	794.72	4	0.50	SEALING PIPES REQUIRED ON EXISTING STORM SEWER PIPE TO SOUTH
125	27+37	6.0' RT	62.0	120	--	8-FT DIAMETER / J	798.90	797.65	4.94	IV	38x60	792.71	792.41	54	0.60	
125A	27+37	19.5' RT	13.5	125	2x3-FT / H	--	798.33	797.50	2.84	IV	15	794.66	794.63	9	0.32	
125B	27+37	19.5' LT	25.5	125	2x3-FT / H	--	798.21	797.38	2.65	IV	12	794.73	794.63	21	0.50	
125C	28+30	19.5' RT	98.0	125A	2x3-FT / H	--	798.73	797.48	2.52	IV	15	794.96	794.66	95	0.32	
130	29+35	6.0' RT	203.0	125	--	8-FT DIAMETER / J	800.02	798.77	4.88	IV	38x60	793.89	792.72	195	0.60	
130A	29+35	19.5' RT	13.5	130	2x3-FT / H	--	799.45	798.62	3.09	IV	12	795.53	795.49	9	0.50	
130B	29+35	19.5' LT	25.5	130	2x3-FT / H	--	799.41	798.08	2.49	IV	12	795.59	795.49	21	0.50	
135	31+00	6.0' RT	165.0	130	--	8-FT DIAMETER / J	801.24	799.99	5.15	IV	38x60	794.84	793.90	157	0.60	
135A	31+00	19.5' RT	13.5	135	2x3-FT / HD	--	800.80	799.97	3.18	IV	15	796.79	796.76	9	0.32	
135B	31+00	19.5' LT	25.5	135	2x3-FT / H	--	800.80	799.97	2.86	IV	12	797.11	797.01	21	0.50	
135C	31+02	29.9' RT	11.5	135A	--	--	--	--	--	III	12	--	796.79	10	0.50	CONNECT TO EXISTING PIPE FROM NORTH, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
140	32+60	6.0' RT	160.0	135	--	8-FT DIAMETER / J	802.85	801.60	5.82	IV	38x60	795.78	794.86	152	0.60	
140A	32+60	19.5' RT	13.5	140	2x3-FT / H	--	802.40	801.57	3.58	IV	12	797.99	797.95	9	0.50	
140B	32+60	19.5' LT	25.5	140	2x3-FT / H	--	802.40	801.57	3.52	IV	12	798.05	797.95	21	0.50	
145	34+40	6.0' RT	180.0	140	--	8-FT DIAMETER / J	804.75	803.50	6.67	III	38x60	796.83	795.80	172	0.60	
145A	34+42	26.2' RT	20.3	145	2x3-FT / H	--	804.19	803.36	4.56	III	15	798.80	798.75	15	0.32	
145B	34+40	19.5' LT	25.5	145	2x3-FT / H	--	804.30	803.47	4.37	III	12	799.10	799.00	21	0.50	
145C	34+41	37.0' RT	11.5	145A	--	--	--	--	--	III	12	--	799.05	10	0.50	CONNECT TO EXISTING PIPE FROM NORTH, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
147	35+65	14.0' RT	125.3	145	--	8-FT DIAMETER / J	806.01	804.76	7.19	III	38x60	797.57	796.87	117	0.60	
147A	35+54	40.8' RT	21.8	147B	2x3-FT / H	--	805.21	804.38	4.52	III	12	799.86	799.76	18	0.50	
147B	35+68	24.4' RT	10.8	147	2x3-FT / H	--	805.79	804.96	5.45	III	15	799.51	799.49	5	0.32	
147C	35+65	19.5' LT	33.5	147	2x3-FT / H	--	805.63	804.80	4.92	III	12	799.88	799.74	29	0.50	
150	36+08	15.0' RT	42.1	147	--	8-FT DIAMETER / J	806.53	805.28	7.46	III	38x60	797.82	797.61	34	0.60	
155	499+55	6.0' LT	60.4	150	--	4-FT DIAMETER / J	806.38	805.13	6.05	III	24	799.08	798.99	54	0.17	
155A	499+55	23.5' LT	17.4	155	2x3-FT / H-S	--	805.85	805.02	5.14	III	15	799.88	799.83	14	0.32	
155B	499+55	23.5' RT	29.5	155	2x3-FT / H-S	--	805.85	805.02	5.11	III	15	799.91	799.83	27	0.32	
155C	499+40	23.5' LT	15.0	155A	2x3-FT / H-S	--	805.92	805.09	4.90	III	12	800.19	800.13	12	0.50	
155D	499+40	23.5' RT	15.0	155B	2x3-FT / H-S	--	805.92	805.09	4.87	III	12	800.22	800.16	12	0.50	

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE

(2) RIM ELEVATION FOR MANHOLE AND FIELD INLET TO CENTER OF CASTING. RIM ELEVATION FOR INLET IN CURB AND GUTTER IS SUBTRACT 1-INCH FROM FLOW LINE ELEVATION

(3) TOP OF STRUCTURE ELEVATION (TOS) DETERMINED BY SUBTRACTING CASTING HEIGHT AND 6-INCHES, FOR ADJUSTMENT, FROM RIM ELEVATION. A TYPE J MH CASTING HEIGHT IS 9 INCHES IN HEIGHT AND A TYPE H/H-S/HD/HD-S CATCH BASIN CASTING IS 4 INCHES IN HEIGHT.

(4) DEPTH OF STRUCTURE MEASURED FROM SUBTRACTING DISCHARGE ELEVATION FROM T.O.S. (THIS DOES NOT INCLUDE SUMP DEPTH FOR CATCH BASINS 2x3-FT).

(5) CLASS IV PIPE USED WHEN HEIGHT OF COVER IS 0 - 2 FEET

(6) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE

(7) PIPE SLOPE IS CALCULATED USING PIPE LENGTH BETWEEN INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE

(8) STATION AND OFFSET IS TO END OF APRON ENDWALL

STRUCT NO.	STATION	(1) OFFSET	C-C (FT)	TO STRUCT	CATCH BASIN TYPE / COVER	MH TYPE / COVER	(2) RIM/ GRATE ELEV.	(3) T.O.S. ELEV.	(4) DEPTH (FT)	DISCHARGE PIPE (5) CLASS	SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	(6) LENGTH (FT)	(7) SLOPE (%)	(8) REMARKS
157	550+66	18.1' RT	70.8	160	--	4-FT DIAMETER / J	806.82	805.57	4.41	--	30	801.16	801.16	--	0.53	EXISTING PIPE BY OTHERS
157A	550+66	22.5' RT	4.3	157	2x3-FT / H	--	806.55	805.72	3.05	IV	12	802.67	802.66	2	0.50	
157B	550+66	22.5' LT	40.7	157	2x3-FT / H	--	806.55	805.72	2.87	IV	12	802.85	802.66	41	0.50	
160	550+34.88	21.8' RT	70.8	150	--	4-FT DIAMETER / J	806.67	805.42	4.58	III	30	800.84	800.84	65	5.82	MATCH EXISTING 30" INV TO WEST
165	36+97	6.0' RT	70.1	150	--	5-FT DIAMETER / J	806.39	805.14	6.86	III	36	798.28	798.00	64	0.44	
165A	36+97	19.5' LT	25.5	150	2x3-FT / H-S	--	806.02	805.19	5.09	III	15	800.10	800.03	22	0.32	
165B	37+07	19.5' LT	10.0	165A	2x3-FT / H-S	--	806.01	805.18	5.06	III	15	800.12	800.10	7	0.32	
165C	36+97	26.0' RT	20.0	165	2x3-FT / H-S	--	805.65	804.82	4.73	III	15	800.09	800.04	16	0.32	
165D	37+07	24.1' RT	10.2	165C	2x3-FT / H-S	--	805.72	804.89	4.78	III	15	800.11	800.09	7	0.32	
170	38+68	6.0' RT	171.0	165	--	5-FT DIAMETER / J	807.12	805.87	6.85	III	36	799.02	798.29	166	0.44	
170A	38+68	19.5' LT	25.5	170	2x3-FT / HD	--	806.55	805.72	6.22	III	15	799.50	799.43	22	0.32	
170B	38+68	19.5' RT	13.5	170	2x3-FT / H	--	806.55	805.72	4.92	III	12	800.80	800.77	10	0.32	
170C	38+68	30.0' LT	11.5	170A	--	--	--	--	--	III	12	--	799.50	10	0.50	CONNECT TO EXIST PIPE TO WEST, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
175	41+55	6.0' RT	301.0	170	--	5-FT DIAMETER / J	806.32	805.07	4.75	IV	36	800.32	799.02	296	0.44	
175A	41+05	19.5' LT	50.0	175B	2x3-FT / H-S	--	806.02	805.19	2.86	IV	15	802.33	802.18	47	0.32	
175B	41+55	19.5' LT	25.5	175	2x3-FT / H-S	--	805.93	805.10	3.21	IV	18	801.89	801.82	22	0.32	
175C	41+80	19.5' LT	10.0	175B	2x3-FT / HD-S	--	805.96	805.13	2.97	IV	15	802.16	802.14	7	0.32	
175D	41+70	19.5' RT	10.0	175E	2x3-FT / H-S	--	805.75	804.92	2.80	IV	15	802.12	802.10	7	0.32	
175E	41+55	19.5' RT	13.5	175	2x3-FT / HD-S	--	805.75	804.92	3.07	IV	18	801.85	801.82	10	0.32	
175F	41+15	19.5' RT	10.0	175E	2x3-FT / H-S	--	805.81	804.98	2.86	IV	15	802.12	802.10	7	0.32	
175G	41+70	30.3' RT	11.5	175E	--	--	--	--	--	III	12	---	803.00	10	0.50	CONNECT TO EXIST PIPE TO EAST, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
175H	40+36	19.5' LT	69.0	175A	2x3-FT / H	--	806.23	805.40	2.85	IV	15	802.55	802.33	66	0.32	RESIDENTIAL STORM SEWER LATERALS AND RECONNECT EXISTING STORM SEWER LATERAL
180	42+41	6.0' RT	72.0	175	--	4-FT DIAMETER / J	806.55	805.30	3.78	IV	24	801.52	801.32	68	0.30	
180A	42+41	19.5' LT	25.5	180	2x3-FT / H	--	806.16	805.33	2.99	IV	15	802.34	802.27	23	0.32	
180B	42+41	19.5' RT	13.5	180	2x3-FT / H	--	805.98	805.15	2.85	IV	15	802.30	802.27	11	0.32	
180C	43+00	19.5' RT	59.5	180B	2x3-FT / H	--	806.23	805.40	2.92	IV	15	802.48	802.30	57	0.32	
185	43+52	6.0' RT	119.0	180	--	4-FT DIAMETER / J	807.05	805.80	3.94	IV	24	801.86	801.51	115	0.30	
185A	43+61	19.5' LT	25.5	185	2x3-FT / H	--	806.67	805.84	3.16	IV	15	802.68	802.61	23	0.32	
185B	43+52	19.5' RT	13.5	185	2x3-FT / HD	--	807.05	806.22	3.58	IV	15	802.64	802.61	11	0.32	
185C	43+62	29.8' LT	11.5	185A	--	--	--	--	--	III	12	--	802.68	10	0.50	CONNECT TO EXIST PIPE TO WEST, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
190	44+22	6.0' RT	62.0	185	--	4-FT DIAMETER / J	807.37	806.12	4.08	IV	24	802.04	801.87	58	0.30	
190A	44+22	16.0' RT	9.5	190	2x3-FT / HM	--	807.00	806.17	3.36	IV	15	802.81	802.79	7	0.32	
195	599+52	6.0' RT	51.1	190	--	4-FT DIAMETER / J	806.82	805.57	3.39	IV	24	802.18	802.04	47	0.30	
195A	599+52	19.5' LT	25.5	195	2x3-FT / H-S	--	806.31	805.48	2.91	IV	15	802.57	802.50	23	0.32	
195B	599+52	19.5' RT	13.5	195	2x3-FT / H-S	--	806.49	805.66	3.13	IV	15	802.53	802.50	10	0.32	
195C	599+42	19.5' LT	11.0	195A	2x3-FT / H-S	--	806.30	805.47	2.87	IV	15	802.60	802.57	8	0.32	
195D	599+42	19.5' RT	11.0	195B	2x3-FT / H-S	--	806.48	805.65	3.09	IV	15	802.56	802.53	8	0.32	
195E	599+33	18.2' LT	11.5	195C	--	--	--	--	--	IV	15	--	802.60	10	0.32	CONNECT TO EXIST PIPE TO WEST, VERIFY SIZE AND ELEVATION. CONCRETE COLLAR REQUIRED
200	45+02	6.0' RT	73.0	190	--	4-FT DIAMETER / J	807.71	806.46	4.22	IV	24	802.24	802.03	69	0.30	
200A	45+02	19.5' LT	25.5	200	2x3-FT / HD	--	807.26	806.43	3.37	IV	15	803.06	802.99	23	0.32	
200B	45+02	19.5' RT	13.5	200	2x3-FT / H	--	807.26	806.43	3.41	IV	15	803.02	802.99	11	0.32	

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE
(2) RIM ELEVATION FOR MANHOLE AND FIELD INLET TO CENTER OF CASTING. RIM ELEVATION FOR INLET IN CURB AND GUTTER IS SUBTRACT 1-INCH FROM FLOW LINE ELEVATION
(3) TOP OF STRUCTURE ELEVATION (TOS) DETERMINED BY SUBTRACTING CASTING HEIGHT AND 6-INCHES, FOR ADJUSTMENT, FROM RIM ELEVATION. A TYPE J MH CASTING HEIGHT IS 9 INCHES IN HEIGHT AND A TYPE H/H-S/HD/HD-S CATCH BASIN CASTING IS 4 INCHES IN HEIGHT.
(4) DEPTH OF STRUCTURE MEASURED FROM SUBTRACTING DISCHARGE ELEVATION FROM T.O.S. (THIS DOES NOT INCLUDE SUMP DEPTH FOR CATCH BASINS 2x3-FT).
(5) CLASS IV PIPE USED WHEN HEIGHT OF COVER IS 0 - 2 FEET
(6) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE
(7) PIPE SLOPE IS CALCULATED USING PIPE LENGTH BETWEEN INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE
(8) STATION AND OFFSET IS TO END OF APRON ENDWALL

2

STRUCT NO.	STATION	(1) OFFSET	C-C (FT)	TO STRUCT	CATCH BASIN TYPE / COVER	MH TYPE / COVER	(2) RIM/ GRATE ELEV.	(3) T.O.S. ELEV.	(4) DEPTH (FT)	DISCHARGE PIPE (5) CLASS	SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	(6) LENGTH (FT)	(7) SLOPE (%)	(8) REMARKS
300	64+30	6.0' RT	108.0	310	--	4-FT DIAMETER / J	804.16	802.91	2.89	IV	18	800.02	799.76	103	0.25	
300A	64+40	17.5' LT	10.0	300B	2x3-FT / H-S	--	803.74	802.49	2.35	IV	15	800.14	800.12	7	0.32	
300B	64+30	17.5' LT	23.5	300	2x3-FT / H-S	--	803.75	802.92	2.80	IV	15	800.12	800.05	21	0.32	
300C	64+40	17.5' RT	10.0	300D	2x3-FT / H-S	--	803.74	802.49	2.42	IV	15	800.07	800.05	7	0.32	
300D	64+30	17.5' RT	11.5	300	2x3-FT / H-S	--	803.75	802.92	2.87	IV	15	800.05	800.02	9	0.32	
305	63+22	38.7' LT	44.7	310	--	--	--	--	--	IV	18	800.00	799.90	42	0.25	APRON ENDWALL REQUIRED
310	63+22	6.0' RT	49.8	310A	--	6-FT DIAMETER / J	804.52	803.27	4.51	IV	36	798.76	798.66	47	0.13	
310A	63+32	56.0' RT	--	--	--	--	--	--	--	--	--	--	--	--	--	APRON ENDWALL REQUIRED
315	62+50	6.0' RT	72.0	310	--	5-FT DIAMETER / J	804.81	803.56	4.71	IV	36	798.85	798.76	67	0.13	
315A	62+50	17.5' LT	23.5	315	2x3-FT / H	--	804.40	803.57	2.91	IV	15	800.66	800.60	20	0.32	
315B	62+50	17.5' RT	11.5	315	2x3-FT / H	--	804.40	803.57	2.94	IV	15	800.63	800.60	8	0.32	
320	61+00	6.0' RT	150.0	315	--	5-FT DIAMETER / J	805.42	804.17	5.13	IV	36	799.04	798.85	145	0.13	
320A	61+00	17.5' LT	23.5	320	2x3-FT / H	--	805.01	804.18	3.33	IV	15	800.85	800.79	20	0.32	
320B	61+00	17.5' RT	11.5	320	2x3-FT / H	--	805.01	804.18	3.36	IV	15	800.82	800.79	8	0.32	
325	59+00	6.0' RT	200.0	320	--	5-FT DIAMETER / J	806.24	804.99	5.70	IV	36	799.29	799.04	195	0.13	
325A	59+00	17.5' LT	23.5	325	2x3-FT / H	--	805.83	805.00	3.90	IV	15	801.10	801.04	20	0.32	
325B	59+00	17.5' RT	11.5	325	2x3-FT / H	--	805.83	804.50	3.43	IV	15	801.07	801.04	8	0.32	
330	56+65	6.0' RT	235.0	325	--	5-FT DIAMETER / J	805.67	804.42	4.33	IV	30	800.09	799.79	230	0.13	
330A	56+65	17.5' LT	23.5	330	2x3-FT / H	--	805.26	804.43	3.03	IV	15	801.40	801.34	20	0.32	RESIDENTIAL STORM SEWER LATERALS
330B	56+65	17.5' RT	11.5	330	2x3-FT / H	--	805.26	804.43	3.06	IV	15	801.37	801.34	8	0.32	
335	55+25	6.0' RT	140.0	330	--	5-FT DIAMETER / J	804.89	803.64	3.37	IV	30	800.27	800.09	135	0.13	
340	55+25	29.0' LT	35.0	335	--	--	--	--	--	IV	24	803.10	800.77	33	7.18	APRON ENDWALL REQUIRED

(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE
(2) RIM ELEVATION FOR MANHOLE AND FIELD INLET TO CENTER OF CASTING. RIM ELEVATION FOR INLET IN CURB AND GUTTER IS SUBTRACT 1-INCH FROM FLOW LINE ELEVATION
(3) TOP OF STRUCTURE ELEVATION (TOS) DETERMINED BY SUBTRACTING CASTING HEIGHT AND 6-INCHES, FOR ADJUSTMENT, FROM RIM ELEVATION. A TYPE J MH CASTING HEIGHT IS 9 INCHES IN HEIGHT AND A TYPE H/H-S/HD/HD-S CATCH BASIN CASTING IS 4 INCHES IN HEIGHT.
(4) DEPTH OF STRUCTURE MEASURED FROM SUBTRACTING DISCHARGE ELEVATION FROM T.O.S. (THIS DOES NOT INCLUDE SUMP DEPTH FOR CATCH BASINS 2x3-FT).
(5) CLASS IV PIPE USED WHEN HEIGHT OF COVER IS 0 - 2 FEET
(6) PIPE LENGTH IS MEASURED FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE
(7) PIPE SLOPE IS CALCULATED USING PIPE LENGTH BETWEEN INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE
(8) STATION AND OFFSET IS TO END OF APRON ENDWALL

2

STRUCT NO.	STATION	(1) OFFSET	C-C (FT)	TO STRUCT	CATCH BASIN TYPE / COVER	MH TYPE / COVER	(2) RIM/ GRATE ELEV.	(3) T.O.S. ELEV.	(4) DEPTH (FT)	DISCHARGE PIPE (5) CLASS	SIZE (IN)	INLET ELEV.	DISCHARGE ELEV.	(6) LENGTH (FT)	(7) SLOPE (%)	(8) REMARKS
345A	54+65	17.5' LT	23.5	345	2x3-FT / H-S	--	804.36	803.53	2.60	IV	15	800.93	800.86	21	0.32	RESIDENTIAL STORM SEWER LATERALS
345B	54+50	17.5' LT	15.0	345A	2x3-FT / H-S	--	804.37	803.54	2.57	IV	15	800.97	800.93	12	0.32	
345C	54+35	17.5' LT	15.0	345B	2x3-FT / H-S	--	804.41	803.58	2.57	IV	15	801.01	800.97	12	0.32	
345D	54+80	17.5' LT	15.0	345A	2x3-FT / H-S	--	804.36	803.53	2.56	IV	15	800.97	800.93	12	0.32	
345E	54+65	17.5' RT	11.5	345	2x3-FT / H-S	--	804.36	803.53	2.64	IV	15	800.89	800.86	9	0.32	
345F	54+50	17.5' RT	15.0	345E	2x3-FT / H-S	--	804.37	803.54	2.61	IV	15	800.93	800.89	12	0.32	
350	52+00	6.0' RT	265.0	345	--	4-FT DIAMETER / J	805.86	804.61	3.31	IV	24	801.30	800.86	261	0.17	
350A	52+00	18.5' LT	24.4	350	2x3-FT / H	--	805.43	804.60	2.48	IV	15	802.12	802.05	21	0.32	RESIDENTIAL STORM SEWER LATERALS AND RECONNECT EXISTING STORM SEWER LATERAL
350B	52+00	18.5' RT	12.4	350	2x3-FT / H	--	805.43	804.60	2.52	IV	15	802.08	802.05	9	0.32	
355	51+00	6.0' RT	100.0	350	--	4-FT DIAMETER / J	806.31	805.06	3.60	IV	24	801.46	801.30	96	0.17	
355A	51+00	19.5' LT	25.5	355	2x3-FT / H	--	805.86	805.03	2.75	IV	15	802.28	802.21	22	0.32	RESIDENTIAL STORM SEWER LATERALS
355B	50+25	19.5' LT	75.0	355A	2x3-FT / H	--	806.19	805.36	2.85	IV	15	802.51	802.28	72	0.32	
355C	51+00	19.5' RT	13.5	355	2x3-FT / H	--	806.86	806.03	3.79	IV	15	802.24	802.21	11	0.32	
360	49+50	6.0' RT	150.0	355	--	4-FT DIAMETER / J	806.98	805.73	4.02	IV	24	801.71	801.46	146	0.17	
360A	49+50	19.5' LT	25.5	360	2x3-FT / H	--	806.53	805.70	3.95	IV	24	801.75	801.71	23	0.17	
360B	49+50	19.5' RT	13.5	360	2x3-FT / H	--	806.98	806.15	3.66	IV	15	802.49	802.46	11	0.32	
360C	49+00	19.5' LT	50.0	360A	2x3-FT / H	--	806.76	805.93	3.28	IV	15	802.65	802.50	47	0.32	RESIDENTIAL STORM SEWER LATERALS
360D	48+50	19.5' LT	50.0	360C	2x3-FT / H	--	806.98	806.15	3.35	IV	15	802.80	802.65	47	0.32	RESIDENTIAL STORM SEWER LATERALS
360E	47+85	19.5' LT	65.0	360D	2x3-FT / H	--	807.27	806.44	3.44	IV	15	803.00	802.80	62	0.32	RESIDENTIAL STORM SEWER LATERALS
400A	68+25	17.5' RT	35.0	400B	2x3-FT / H	--	805.12	804.29	4.78	IV	12	799.51	799.31	41	0.50	
400B	68+25	17.5' LT	18.7	400C	2x3-FT / H	--	805.12	804.29	4.62	IV	12	799.67	799.51	33	0.50	
400C	68+25	59.3' RT	--	--	--	--	--	--	--	--	--	--	--	--	--	APRON ENDWALL REQUIRED
405A	70+05	17.5' RT	38.0	405B	2x3-FT / H	--	805.67	804.84	4.48	IV	12	800.36	800.18	36	0.50	
405B	70+05	54.0' RT	--	--	--	--	--	--	--	--	--	--	--	--	--	APRON ENDWALL REQUIRED

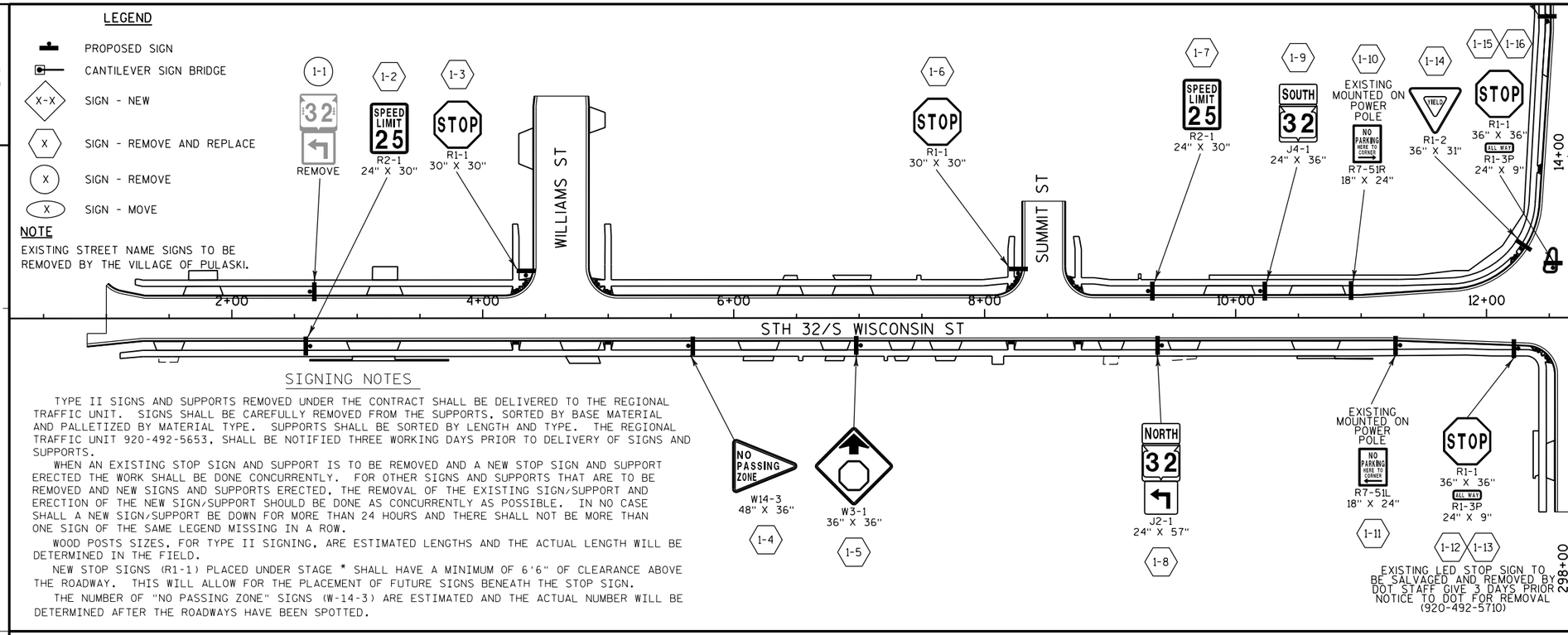
(1) STRUCTURE OFFSET IS TO CENTER OF STRUCTURE
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(3) TOP OF STRUCTURE ELEVATION (TOS) DETERMINED BY SUBTRACTING CASTING HEIGHT AND 6-INCHES, FOR ADJUSTMENT, FROM RIM ELEVATION. A TYPE J MH CASTING HEIGHT IS 9 INCHES IN HEIGHT AND A TYPE H/H-S/HD/HD-S CATCH BASIN CASTING IS 4 INCHES IN HEIGHT.
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(5) CLASS IV PIPE USED WHEN HEIGHT OF COVER IS 0 - 2 FEET
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(8) STATION AND OFFSET IS TO END OF APRON ENDWALL

LEGEND

- PROPOSED SIGN
- CANTILEVER SIGN BRIDGE
- X-X SIGN - NEW
- X SIGN - REMOVE AND REPLACE
- X SIGN - REMOVE
- X SIGN - MOVE

NOTE

EXISTING STREET NAME SIGNS TO BE REMOVED BY THE VILLAGE OF PULASKI.



SIGNING NOTES

TYPE II SIGNS AND SUPPORTS REMOVED UNDER THE CONTRACT SHALL BE DELIVERED TO THE REGIONAL TRAFFIC UNIT. SIGNS SHALL BE CAREFULLY REMOVED FROM THE SUPPORTS, SORTED BY BASE MATERIAL AND PALLETIZED BY MATERIAL TYPE. SUPPORTS SHALL BE SORTED BY LENGTH AND TYPE. THE REGIONAL TRAFFIC UNIT 920-492-5653, SHALL BE NOTIFIED THREE WORKING DAYS PRIOR TO DELIVERY OF SIGNS AND SUPPORTS.

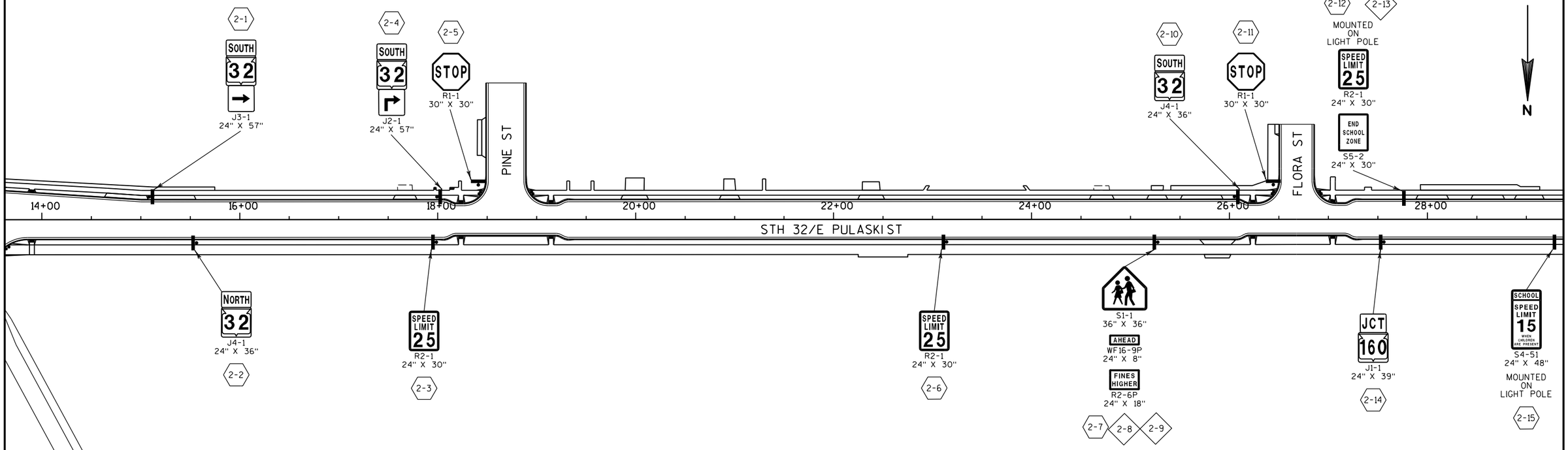
WHEN AN EXISTING STOP SIGN AND SUPPORT IS TO BE REMOVED AND A NEW STOP SIGN AND SUPPORT ERECTED THE WORK SHALL BE DONE CONCURRENTLY. FOR OTHER SIGNS AND SUPPORTS THAT ARE TO BE REMOVED AND NEW SIGNS AND SUPPORTS ERECTED, THE REMOVAL OF THE EXISTING SIGN/SUPPORT AND ERECTION OF THE NEW SIGN/SUPPORT SHOULD BE DONE AS CONCURRENTLY AS POSSIBLE. IN NO CASE SHALL A NEW SIGN/SUPPORT BE DOWN FOR MORE THAN 24 HOURS AND THERE SHALL NOT BE MORE THAN ONE SIGN OF THE SAME LEGEND MISSING IN A ROW.

WOOD POSTS SIZES, FOR TYPE II SIGNING, ARE ESTIMATED LENGTHS AND THE ACTUAL LENGTH WILL BE DETERMINED IN THE FIELD.

NEW STOP SIGNS (R1-1) PLACED UNDER STAGE * SHALL HAVE A MINIMUM OF 6'6" OF CLEARANCE ABOVE THE ROADWAY. THIS WILL ALLOW FOR THE PLACEMENT OF FUTURE SIGNS BENEATH THE STOP SIGN.

THE NUMBER OF "NO PASSING ZONE" SIGNS (W-14-3) ARE ESTIMATED AND THE ACTUAL NUMBER WILL BE DETERMINED AFTER THE ROADWAYS HAVE BEEN SPOTTED.

EXISTING LED STOP SIGN TO BE SALVAGED AND REMOVED BY DOT STAFF GIVE 3 DAYS PRIOR NOTICE TO DOT FOR REMOVAL (920-492-5710)



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PERMANENT SIGNING	SHEET	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\023201_ps.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:100

MOUNT CENTERED OVER RIGHT LANE ON CANTILEAVER S-05-143

3-2 MOUNTED ON LIGHT POLE
SPEED LIMIT 25
R2-1
24" X 30"

3-4 MOUNTED ON LIGHT POLE
SOUTH 32
J4-1
24" X 36"

3-8
NO PARKING HERE TO CORNER
R7-51R
18" X 24"

3-9
32
J13-1
24" X 45"

3-13 3-14
STOP
R1-1
30" X 30"
ALL WAY
R1-3P
18" X 6"

3-15 3-16
STOP
R1-1
36" X 36"
ALL WAY
R1-3P
24" X 9"

S ST. AUGUSTINE ST

30+00 32+00 34+00 36+00 550+00 552+00 554+00 556+00 558+00

STH 32/E PULASKI ST

STH 160/W PULASKI ST

STH 32/N ST. AUGUSTINE ST

3-1
W3-1
36" X 36"
MOUNTED ON LIGHT POLE

3-3
WEST 160 NORTH 32
J2-2
48" X 57"
MOUNTED ON LIGHT POLE

3-5 3-6
NO PARKING HERE TO CORNER
R7-51L
18" X 24"
MOUNTED ON LIGHT POLE

Angelica
Gillett
Laona
D1-3
66" X 36"

3-7
NORTH 32 ONLY
D15-1
48" X 90"

3-11 3-12
STOP
R1-1
36" X 36"
ALL WAY
R1-3P
24" X 9"

3-10
YIELD
R1-2
36" X 31"

3-17 3-18
SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
24" X 48"

S1-1
36" X 36"

NO PARKING DURING SCHOOL HOURS
REMOVE BY VILLAGE

3-19 3-20
STOP
R1-1
36" X 36"
ALL WAY
R1-3P
24" X 9"

3-21
SOUTH 32 WEST 160
J3-2
48" X 57"

38+00

4-2 4-3
Green Bay
Angelica
D1-2
72" X 30"

NO PARKING HERE TO CORNER
R7-51L
18" X 24"
MOUNTED ON POWER POLE

ONE WAY
REMOVE BY VILLAGE

ONE WAY
REMOVE BY VILLAGE

4-5
W3-1
36" X 36"

4-6
SOUTH 32 WEST 160
J2-2
48" X 57"

4-9
STOP
R1-1
30" X 30"

CHICAGO ST

4-10
JCT 160
J1-1
24" X 39"

4-11
MOUNTED ON POWER POLE
SPEED LIMIT 25
R2-1
24" X 30"

4-12
STOP
R1-1
30" X 30"

ANTHONY LN

4-16
PLAYGROUND
REMOVE

4-18
SCHOOL SPEED LIMIT 15 WHEN CHILDREN ARE PRESENT
S4-51
24" X 48"

40+00 42+00 44+00 46+00 48+00 50+00 52+00

4-1
NORTH 32
J4-1
24" X 36"

NO PARKING DURING SCHOOL HOURS
REMOVE BY VILLAGE

4-4
SPEED LIMIT 25
R2-1
24" X 30"

NO PARKING DURING SCHOOL HOURS
REMOVE BY VILLAGE

NO PARKING DURING SCHOOL HOURS
REMOVE BY VILLAGE

4-7
NO PASSING ZONE
W14-3
48" X 36"

4-8
PLAYGROUND
REMOVE

4-13 4-14
SPEED LIMIT 25
R2-1
24" X 30"
END SCHOOL ZONE
S5-2
24" X 30"

4-15
STOP SCHOOL BUS FLASHING RED LIGHTS
R59-51
36" X 36"

4-17
NORTH 32
J4-1
24" X 36"

LEGEND

- PROPOSED SIGN
- CANTILEVER SIGN BRIDGE
- X-X SIGN - NEW
- X SIGN - REMOVE AND REPLACE
- X SIGN - REMOVE
- X SIGN - MOVE

NOTE
EXISTING STREET NAME SIGNS TO BE REMOVED BY THE VILLAGE OF PULASKI.

N

Z

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PERMANENT SIGNING	SHEET 93	E

2

LEGEND

- PROPOSED SIGN
- CANTILEVER SIGN BRIDGE
- X-X — SIGN - NEW
- X — SIGN - REMOVE AND REPLACE
- X — SIGN - REMOVE
- X — SIGN - MOVE

NOTE

EXISTING STREET NAME SIGNS TO BE REMOVED BY THE VILLAGE OF PULASKI.

5-1 5-2 5-3

S1-1
36" X 36"

AHEAD
WF16-9P
24" X 8"

FINES HIGHER
R2-6P
24" X 18"

5-5

SPEED LIMIT 25
R2-1
24" X 30"

5-6

ALL TRUCKS MUST USE TRUCK ROUTE DESIGNATED BY YELLOW STREET NAME SIGNS
MOVE

5-8

Shawano Co
I2-2
66" X 15"

5-9 5-10

Brown Co
I2-2
54" X 15"

Pulaski
POPULATION 3539
I2-3
66" X 24"

5-12

SPEED LIMIT 35
R2-1
24" X 30"

N

54+00 56+00 58+00 60+00 62+00 64+00 66+00 68+00

STH 32/N ST. AUGUSTINE ST

SPEED LIMIT 35
R2-1
24" X 30"
5-4

Gillett 18
Laona 76
D2-2
66" X 24"
5-7

STOP
REMOVE
BY PROPERTY OWNER

SPONSOR AMERICAN LEGION POST 1317 PULASKI
I55-56
30" X 36"
5-11

SPEED LIMIT 55
R2-1
24" X 30"
5-13

2

6-1

NO ENGINE BRAKING EXCEPT IN EMERGENCY
R10-64
30" X 36"

6-2

NO PARKING ON ANY VILLAGE STREET 2am to 6am DEC 1 to APR 1
MOVE

6-3

SPEED LIMIT 35
W3-5
36" X 36"

N

TRAIL SIGNS TO BE REMOVED BY THE COUNTY

68+00 70+00 72+00 74+00 76+00 78+00 80+00 82+00

STH 32/N ST. AUGUSTINE ST

WDNR MOUNTAIN BAY RECREATIONAL TRAIL

TRAIL SIGNS TO BE REMOVED BY THE COUNTY

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PERMANENT SIGNING	SHEET 94	E

2

2

LEGEND

PROPOSED SIGN

CANTILEVER SIGN BRIDGE

X-X SIGN - NEW

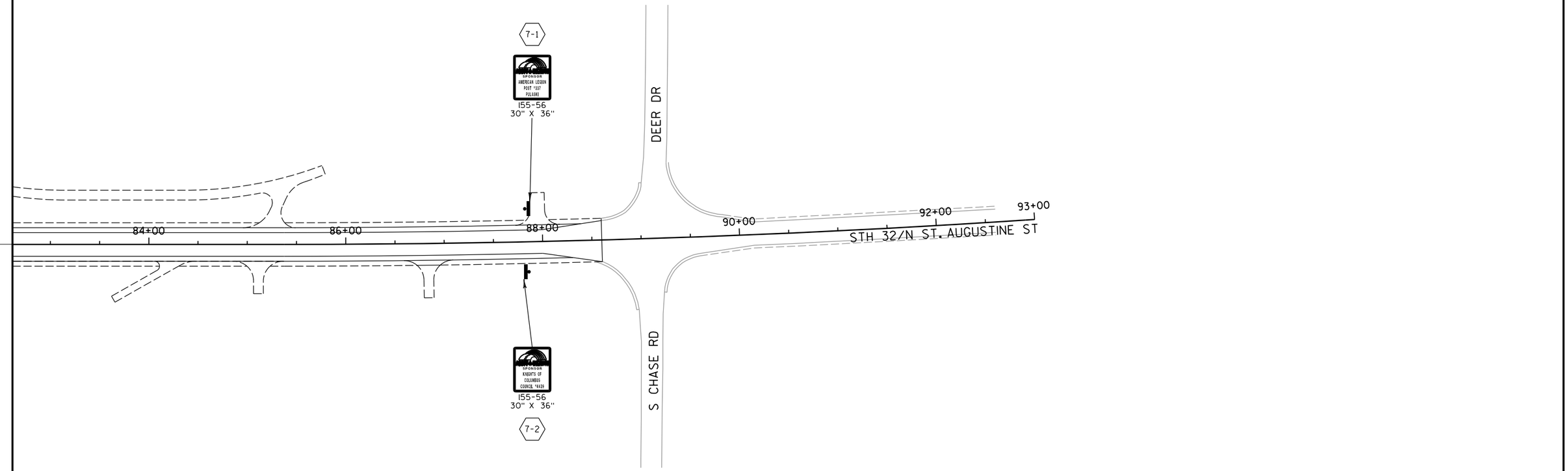
X SIGN - REMOVE AND REPLACE

X SIGN - REMOVE

X SIGN - MOVE

NOTE

EXISTING STREET NAME SIGNS TO BE REMOVED BY THE VILLAGE OF PULASKI.



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PERMANENT SIGNING	SHEET 95	E

2

STH 32/S WISCONSIN ST

12+00

350+00

14+00

16+00

18+00

PINE ST

20+00

22+00

24+00

STH 32/E PULASKI ST

26+00

FLORA ST

450+00

N WISCONSIN ST

352+00

LEGEND

PROPOSED LIGHT POLE

PROPOSED LIGHTING CONDUIT

PROPOSED LIGHTING ELECTRICAL SERVICE CABINET

NOTE: ALL LIGHTING WORK WILL BE CONSTRUCTED BY OTHERS

N

448+00

FLORA ST

450+00

26+00

28+00

30+00

32+00

34+00

STH 32/E PULASKI ST

498+00

ST. AUGUSTINE ST

550+00

552+00

554+00

STH 160/E PULASKI ST

STH 32/ST. AUGUSTINE ST

38+00

N

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	LIGHTING PLAN	SHEET 96 E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\023501_lp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:100

2

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING EPOXY 4-INCH (WHITE)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING CROSSWALK EPOXY 12-INCH (WHITE)

PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

11+00

STH 32/S WISCONSIN ST

12+00

PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

PAVEMENT MARKING EPOXY 4-INCH (WHITE)

PAVEMENT MARKING CURB PAINT (YELLOW)

CANOPY

CANOPY

PAVEMENT MARKING CROSSWALK EPOXY 12-INCH (WHITE)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)

PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING WORDS EPOXY (WHITE)

+31

+48

+00

+43

PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)

PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PAVEMENT MARKING CURB PAINT (YELLOW)

N

E PULASKI ST

298+00

299+00

13+00

14+00

15+00

STH 32/E PULASKI ST

16+00

PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

PAVEMENT MARKING CROSSWALK EPOXY 12-INCH (WHITE)

PAVEMENT MARKING CROSSWALK EPOXY 12-INCH (WHITE)

PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

351+00

N WISCONSIN ST

352+00

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVEMENT MARKING	SHEET 97	E

2

2

N

S ST. AUGUSTINE ST

499+00

PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

PAVEMENT MARKING CROSSWALK EPOXY 12-INCH (WHITE)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

33+00

34+00

STH 32/E PULASKI ST

35+00

36+00

550+00

551+00

552+00

STH 160/W PULASKI ST

553

+24

+44

+51

+94

+48

PAVEMENT MARKING CROSSWALK EPOXY 12-INCH (WHITE)

PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)

PAVEMENT MARKING EPOXY 8-INCH (WHITE)

PAVEMENT MARKING WORDS EPOXY (WHITE)

PAVEMENT MARKING ARROWS EPOXY TYPE 2 (WHITE)

PAVEMENT MARKING CURB PAINT (YELLOW)

37+00

PAVEMENT MARKING STOP LINE EPOXY 18-INCH (WHITE)

PAVEMENT MARKING EPOXY 4-INCH (YELLOW)

STH 32/
N ST. AUGUSTINE ST

PAVEMENT MARKING CURB PAINT (YELLOW)

PAVEMENT MARKING CURB PAINT (YELLOW)

38

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PAVEMENT MARKING	SHEET 98	E

GENERAL NOTES FOR TRAFFIC CONTROL

1) THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

2) ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

3) "WO" SIGNS ARE THE SAME A "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

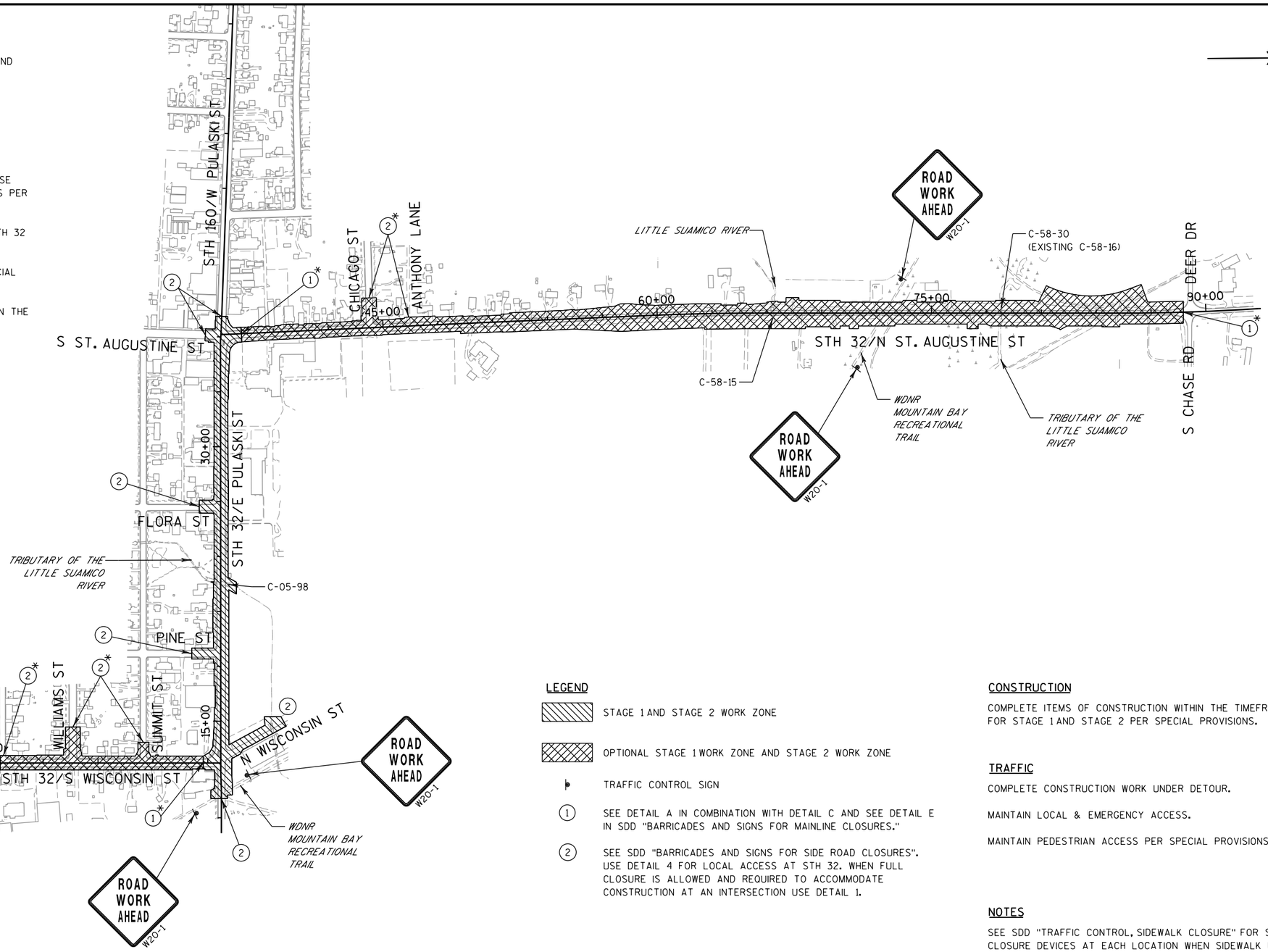
4) ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED. EQUIP WITH TYPE "A" (LOW INTENSITY FLASHING) LIGHTS PER SDDS.

5) MAINTAIN ALL EXISTING STOP SIGNS AT ALL TIMES WHEN STH 32 TRAFFIC IS NOT UNDER DETOUR.

6) MAINTAIN ACCESS FOR TRAFFIC AND PEDESTRIANS PER SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.

7) POST NO PARKING AS REQUIRED TO PROHIBIT PARKING WITHIN THE WORK ZONE.

8) MAINTAIN CROSSWALKS PER SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.



LEGEND

- STAGE 1 AND STAGE 2 WORK ZONE
- OPTIONAL STAGE 1 WORK ZONE AND STAGE 2 WORK ZONE
- TRAFFIC CONTROL SIGN
- (1) SEE DETAIL A IN COMBINATION WITH DETAIL C AND SEE DETAIL E IN SDD "BARRICADES AND SIGNS FOR MAINLINE CLOSURES."
- (2) SEE SDD "BARRICADES AND SIGNS FOR SIDE ROAD CLOSURES". USE DETAIL 4 FOR LOCAL ACCESS AT STH 32. WHEN FULL CLOSURE IS ALLOWED AND REQUIRED TO ACCOMMODATE CONSTRUCTION AT AN INTERSECTION USE DETAIL 1.

CONSTRUCTION

COMPLETE ITEMS OF CONSTRUCTION WITHIN THE TIMEFRAMES FOR STAGE 1 AND STAGE 2 PER SPECIAL PROVISIONS.

TRAFFIC

COMPLETE CONSTRUCTION WORK UNDER DETOUR.

MAINTAIN LOCAL & EMERGENCY ACCESS.

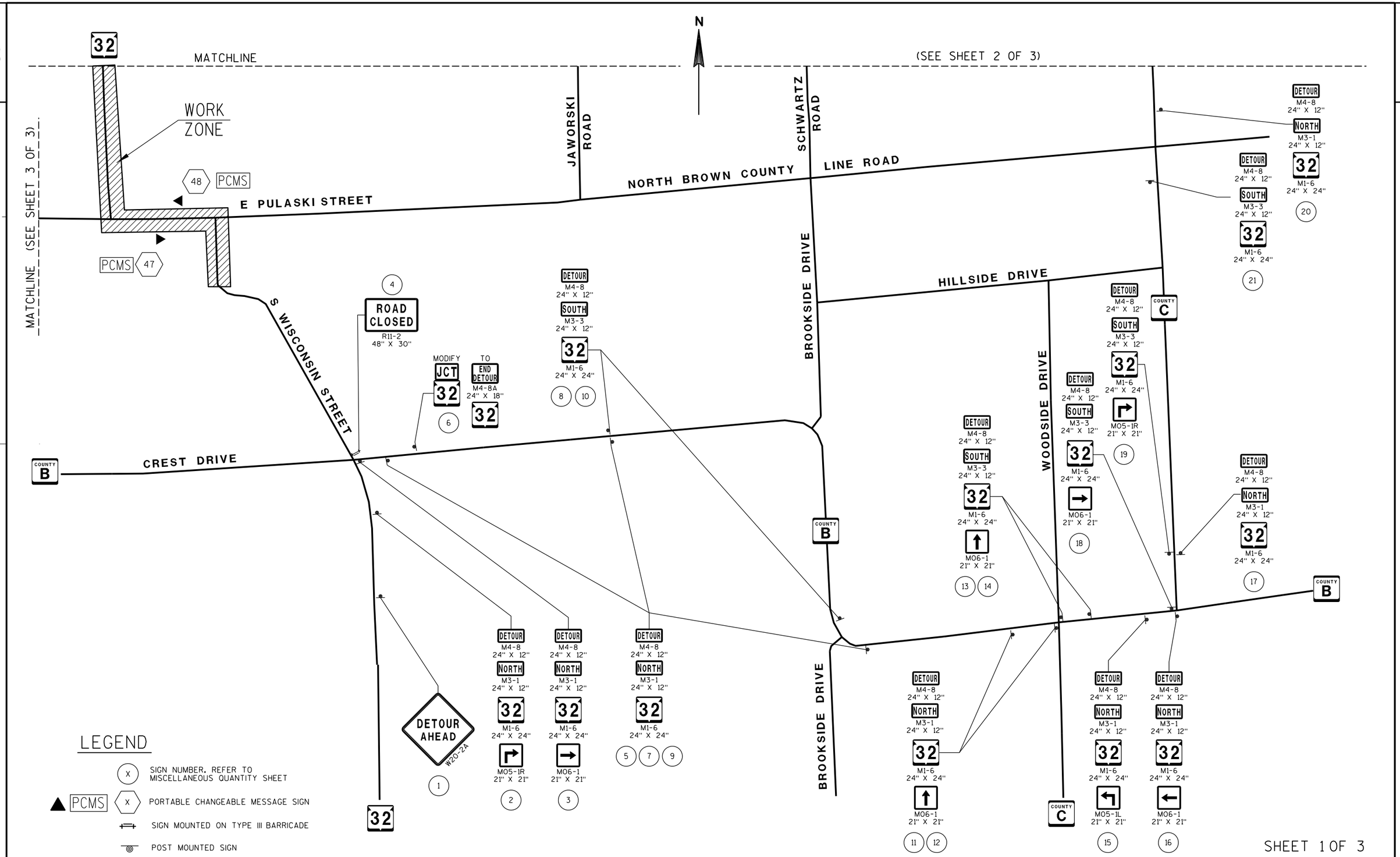
MAINTAIN PEDESTRIAN ACCESS PER SPECIAL PROVISIONS.

NOTES

SEE SDD "TRAFFIC CONTROL, SIDEWALK CLOSURE" FOR SIDEWALK CLOSURE DEVICES AT EACH LOCATION WHEN SIDEWALK USE IS IMPEDED.

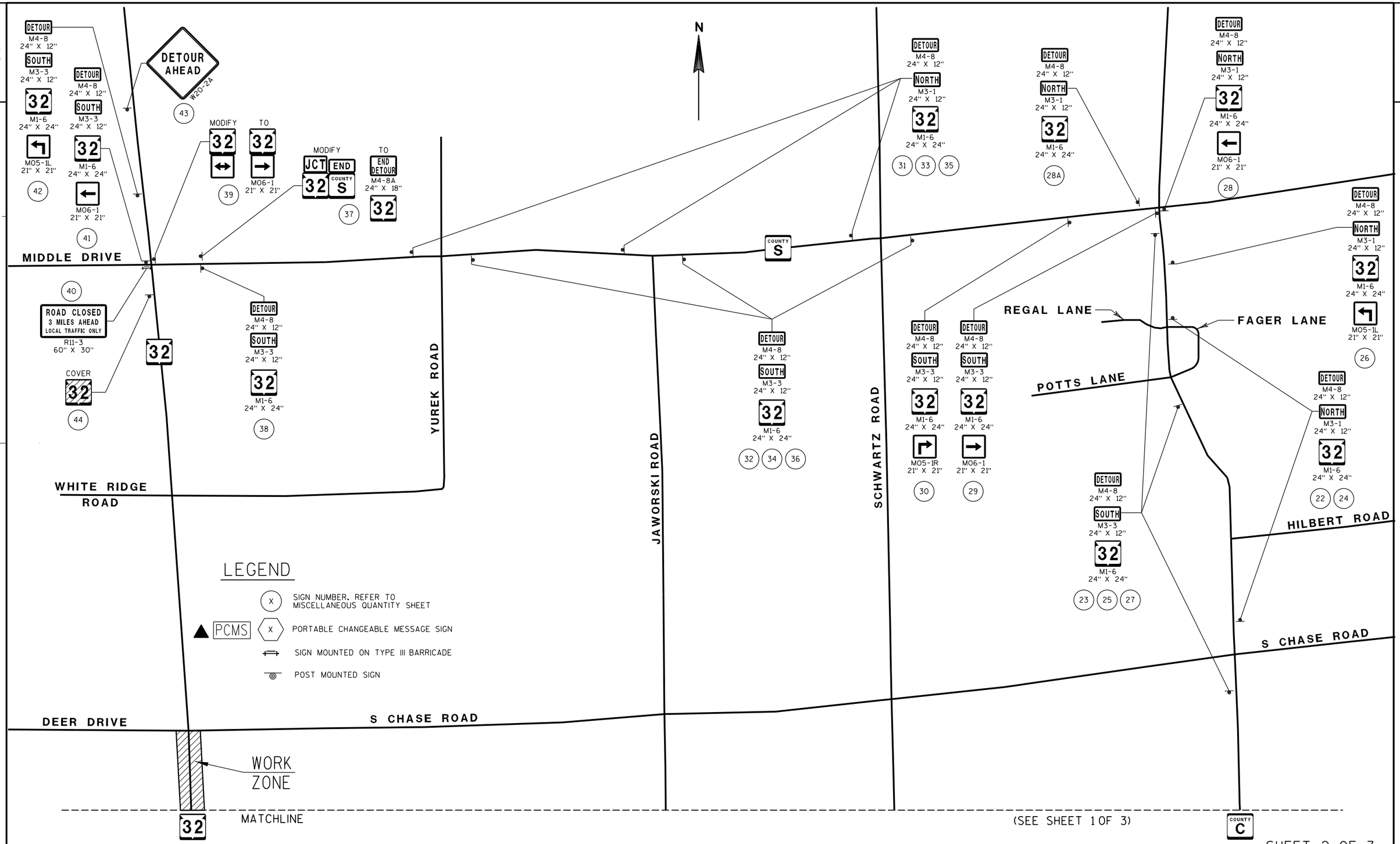
* ADJUST TRAFFIC CONTROL DEVICES BASED ON OPTIONAL WORK IN STAGE 1.

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	TRAFFIC CONTROL OVERVIEW	SHEET 99	E



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	DETOUR SIGNING DETAIL	SHEET 100	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\027001_dt.DGN PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:2000



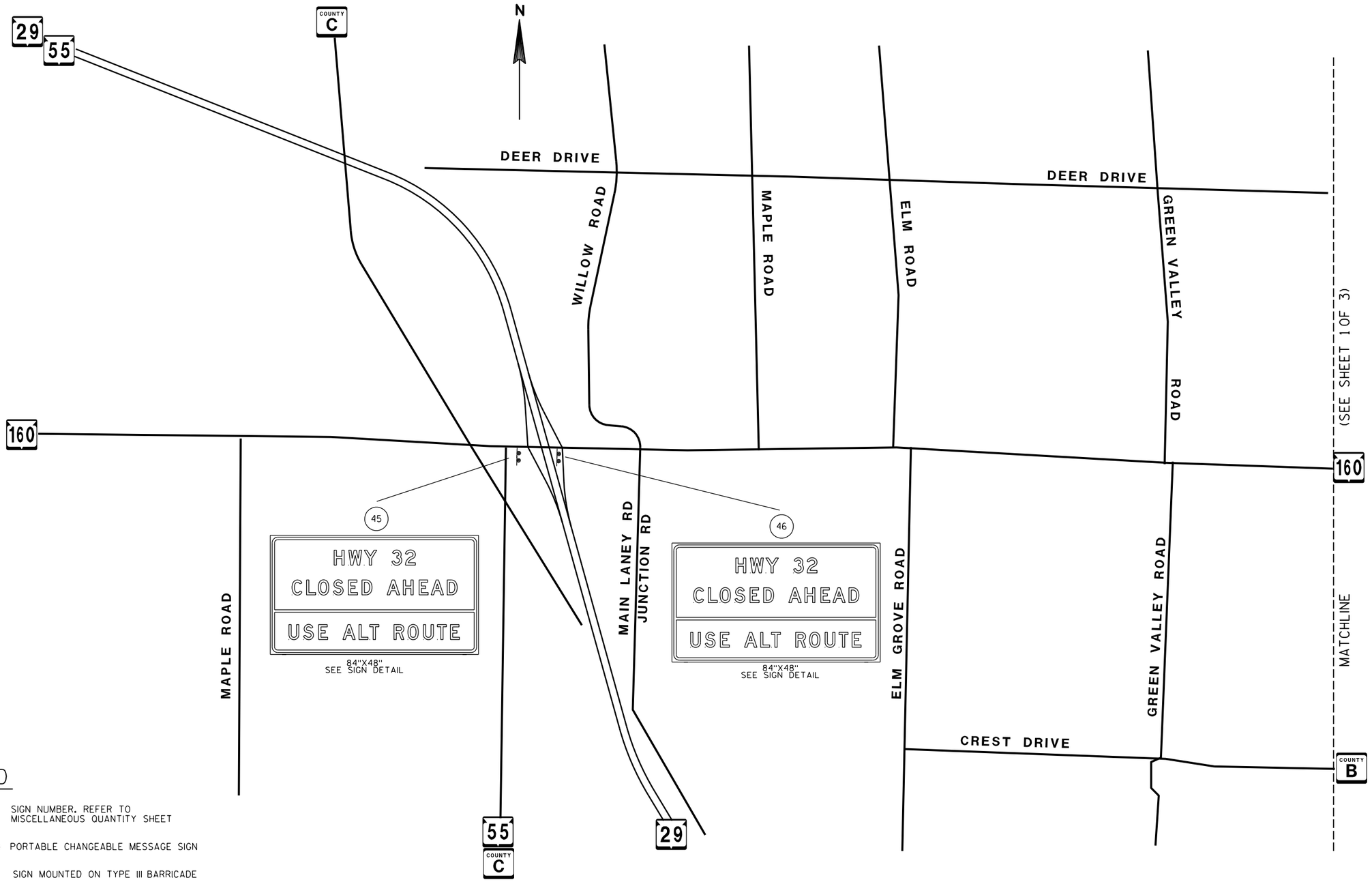
SHEET 2 OF 3

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	DETOUR SIGNING DETAIL	SHEET 101	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\027002_dt.DGN PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:2000

WISDOT/CADDS SHEET 42

2



LEGEND

- (X) SIGN NUMBER. REFER TO MISCELLANEOUS QUANTITY SHEET
- ▲ PCMS (X) PORTABLE CHANGEABLE MESSAGE SIGN
- SIGN MOUNTED ON TYPE III BARRICADE
- POST MOUNTED SIGN

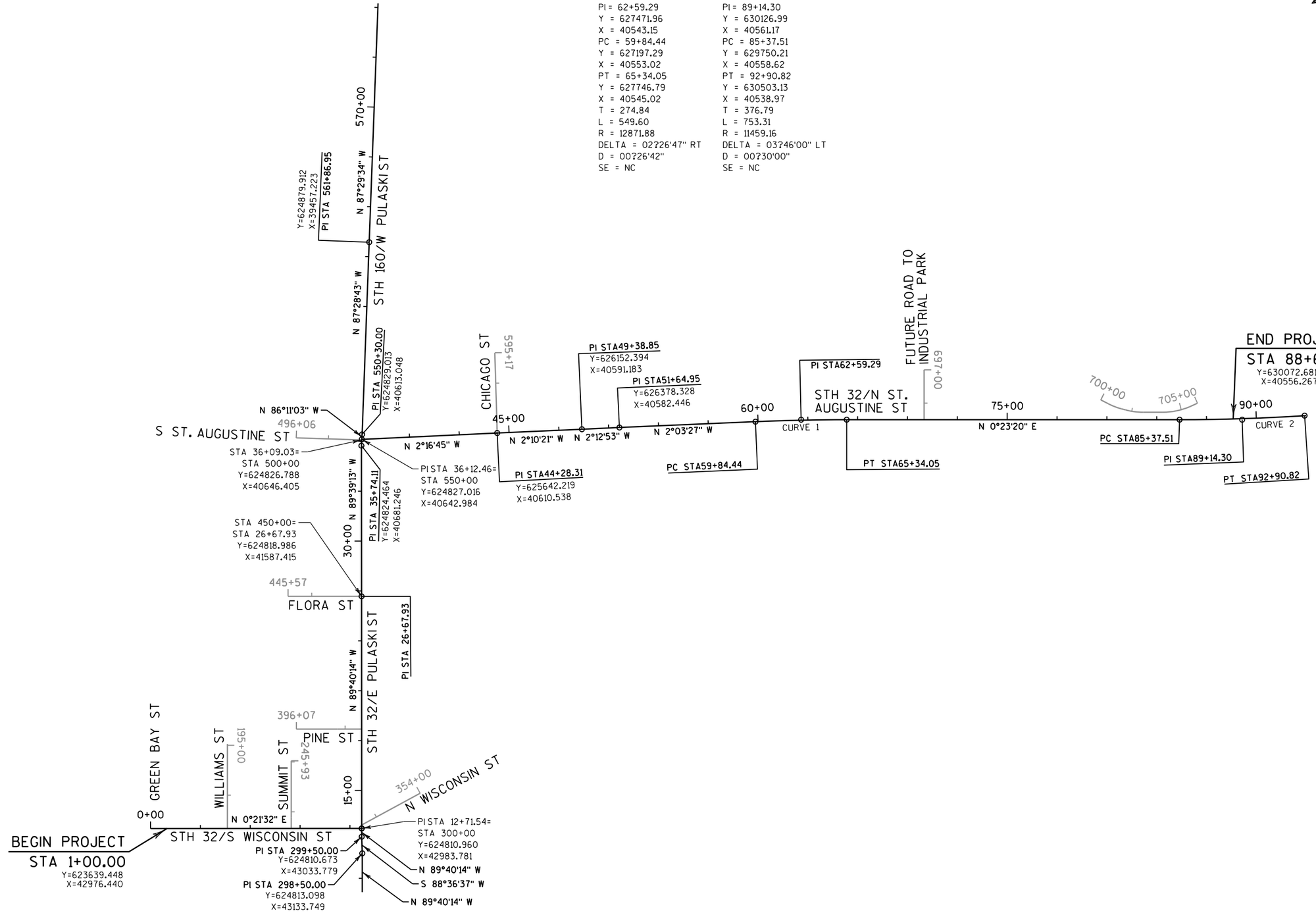
SHEET 3 OF 3

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	DETOUR SIGNING DETAIL	SHEET 102	E

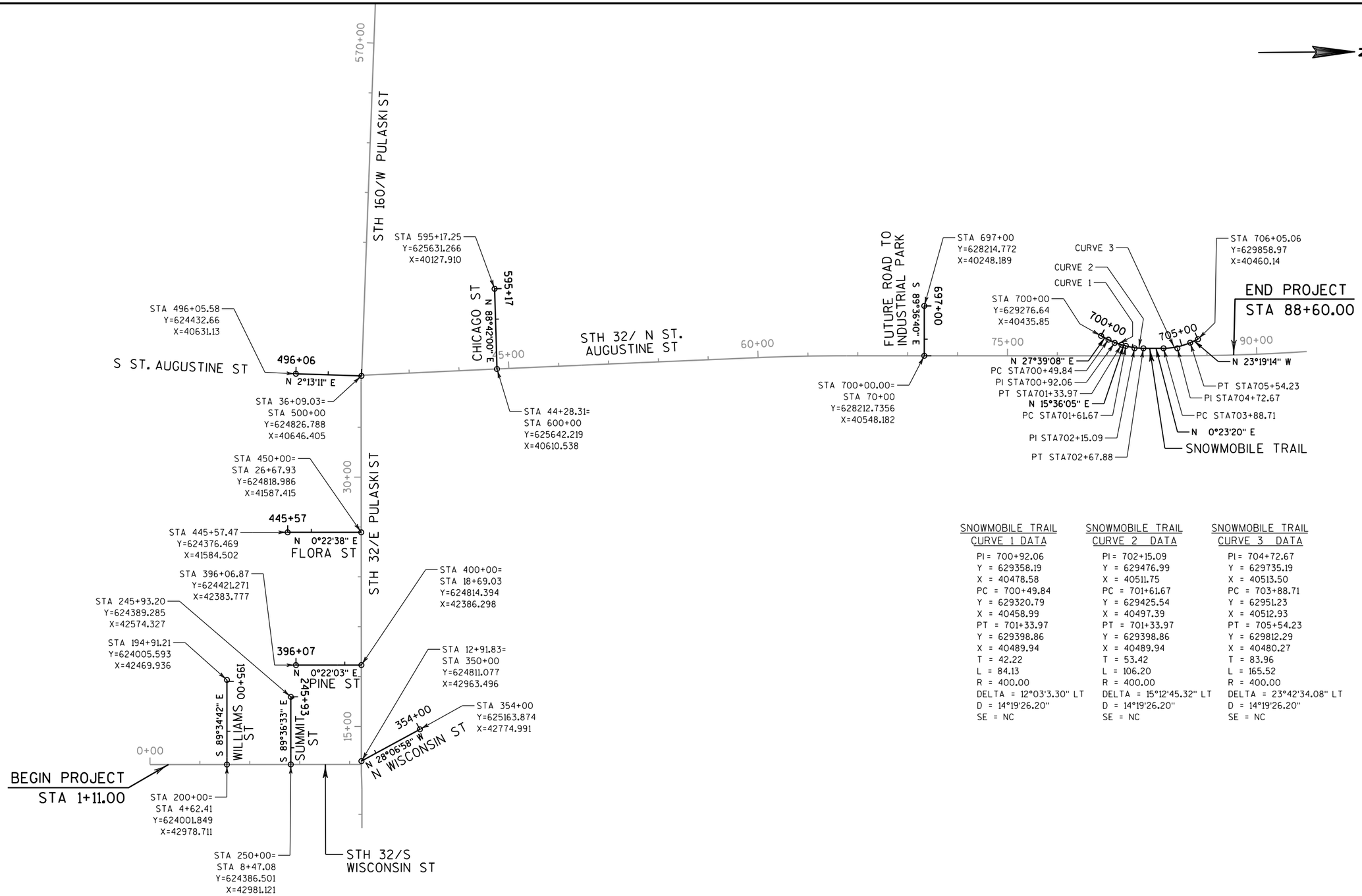
2

N

STH 32 CURVE 1 DATA	STH 32 CURVE 2 DATA
PI = 62+59.29	PI = 89+14.30
Y = 627471.96	Y = 630126.99
X = 40543.15	X = 40561.17
PC = 59+84.44	PC = 85+37.51
Y = 627197.29	Y = 629750.21
X = 40553.02	X = 40558.62
PT = 65+34.05	PT = 92+90.82
Y = 627746.79	Y = 630503.13
X = 40545.02	X = 40538.97
T = 274.84	T = 376.79
L = 549.60	L = 753.31
R = 12871.88	R = 11459.16
DELTA = 02?26'47" RT	DELTA = 03?46'00" LT
D = 00?26'42"	D = 00?30'00"
SE = NC	SE = NC



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	ALIGNMENT DETAIL - STH 32	SHEET 103	E



SNOWMOBILE TRAIL CURVE 1 DATA
- PI = 700+92.06
- Y = 629358.19
- X = 40478.58
- PC = 700+49.84
- Y = 629320.79
- X = 40458.99
- PT = 701+33.97
- Y = 629398.86
- X = 40489.94
- T = 42.22
- L = 84.13
- R = 400.00
- DELTA = 12°03'3.30" LT
- D = 14°19'26.20"
- SE = NC

SNOWMOBILE TRAIL CURVE 2 DATA
- PI = 702+15.09
- Y = 629476.99
- X = 40511.75
- PC = 701+61.67
- Y = 629425.54
- X = 40497.39
- PT = 701+33.97
- Y = 629398.86
- X = 40489.94
- T = 53.42
- L = 106.20
- R = 400.00
- DELTA = 15°12'45.32" LT
- D = 14°19'26.20"
- SE = NC

SNOWMOBILE TRAIL CURVE 3 DATA
- PI = 704+72.67
- Y = 629735.19
- X = 40513.50
- PC = 703+88.71
- Y = 62951.23
- X = 40512.93
- PT = 705+54.23
- Y = 629812.29
- X = 40480.27
- T = 83.96
- L = 165.52
- R = 400.00
- DELTA = 23°42'34.08" LT
- D = 14°19'26.20"
- SE = NC

DATE 14OCT13 E S T I M A T E O F Q U A N T I T I E S

LINE 9190-13-71

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	
0010	201.0105	CLEARING	STA	37.000	37.000
0020	201.0205	GRUBBING	STA	37.000	37.000
0030	203.0100	REMOVING SMALL PIPE CULVERTS	EACH	23.000	23.000
0040	203.0200	REMOVING OLD STRUCTURE (STATION) 01. STA 66+30	LS	1.000	1.000
0050	203.0200	REMOVING OLD STRUCTURE (STATION) 01. STA. 78+81.24	LS	1.000	1.000
0060	204.0100	REMOVING PAVEMENT	SY	1,480.000	1,480.000
0070	204.0150	REMOVING CURB & GUTTER	LF	11,350.000	11,350.000
0080	204.0155	REMOVING CONCRETE SIDEWALK	SY	5,750.000	5,750.000
0090	204.0170	REMOVING FENCE	LF	20.000	20.000
0100	204.0195	REMOVING CONCRETE BASES	EACH	17.000	17.000
0110	204.0210	REMOVING MANHOLES	EACH	23.000	23.000
0120	204.0220	REMOVING INLETS	EACH	38.000	38.000
0130	204.0245	REMOVING STORM SEWER (SIZE) 01. 12-INCH	LF	2,200.000	2,200.000
0140	204.0245	REMOVING STORM SEWER (SIZE) 02. 18-INCH	LF	2,700.000	2,700.000
0150	204.0245	REMOVING STORM SEWER (SIZE) 03. 24-INCH	LF	2,200.000	2,200.000
0160	204.0245	REMOVING STORM SEWER (SIZE) 04. 30-INCH	LF	80.000	80.000
0170	204.0280	SEALING PIPES	EACH	7.000	7.000
0180	204.0291.S	ABANDONING SEWER	CY	13.000	13.000
0190	205.0100	EXCAVATION COMMON	CY	56,903.000	56,903.000
0200	205.0501.S	EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL	TON	1,500.000	1,500.000
0210	206.2000	EXCAVATION FOR STRUCTURES CULVERTS (STRUCTURE) 01. C-58-15	LS	1.000	1.000
0220	206.2000	EXCAVATION FOR STRUCTURES CULVERTS (STRUCTURE) 01. C-58-30	LS	1.000	1.000
0230	206.5000	COFFERDAMS (STRUCTURE) 01. C-58-15	LS	1.000	1.000
0240	210.0100	BACKFILL STRUCTURE	CY	690.000	690.000
0250	213.0100	FINISHING ROADWAY (PROJECT) 01. 9190-13-71	EACH	1.000	1.000
0260	305.0110	BASE AGGREGATE DENSE 3/4-INCH	TON	1,330.000	1,330.000
0270	305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	50,620.000	50,620.000
0280	311.0115	BREAKER RUN	CY	5,065.000	5,065.000
0290	405.0100	COLORING CONCRETE RED	CY	365.000	365.000
0300	416.0160	CONCRETE DRIVEWAY 6-INCH	SY	2,340.000	2,340.000
0310	416.0260	CONCRETE DRIVEWAY HES 6-INCH	SY	510.000	510.000
0320	440.4410.S	INCENTIVE IRI RIDE	DOL	6,640.000	6,640.000
0330	455.0115	ASPHALTIC MATERIAL PG64-22	TON	420.000	420.000
0340	455.0122	ASPHALTIC MATERIAL PG64-34	TON	275.000	275.000
0350	455.0605	TACK COAT	GAL	990.000	990.000
0360	460.1103	HMA PAVEMENT TYPE E-3	TON	12,240.000	12,240.000
0370	460.2000	INCENTIVE DENSITY HMA PAVEMENT	DOL	7,840.000	7,840.000
0380	460.4110.S	REHEATING HMA PAVEMENT LONGITUDINAL JOINTS	LF	33,850.000	33,850.000
0390	465.0120	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES	TON	285.000	285.000
0400	465.0315	ASPHALTIC FLUMES	SY	18.000	18.000
0410	502.6105	MASONRY ANCHORS TYPE S 5/8-INCH	EACH	27.000	27.000
0420	504.0100	CONCRETE MASONRY CULVERTS	CY	107.000	107.000
0430	505.0410	BAR STEEL REINFORCEMENT HS CULVERTS	LB	12,270.000	12,270.000
0440	505.0610	BAR STEEL REINFORCEMENT HS COATED CULVERTS	LB	1,615.000	1,615.000
0450	509.1500	CONCRETE SURFACE REPAIR	SF	20.000	20.000
0460	513.2050.S	RAILING PIPE	LF	50.000	50.000

3

DATE 14OCT13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	9190-13-71 QUANTITY
0470	516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	24.000	24.000
0480	520.8000	CONCRETE COLLARS FOR PIPE	EACH	10.000	10.000
0490	521.0118	CULVERT PIPE CORRUGATED STEEL 18-INCH	LF	165.000	165.000
0500	521.0124	CULVERT PIPE CORRUGATED STEEL 24-INCH	LF	182.000	182.000
0510	521.1618	APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 18-INCH 10 TO 1	EACH	8.000	8.000
0520	521.1624	APRON ENDWALLS FOR CULVERT PIPE SLOPED SIDE DRAINS STEEL 24-INCH 10 TO 1	EACH	8.000	8.000
0530	522.0318	CULVERT PIPE REINFORCED CONCRETE CLASS IV 18-INCH	LF	202.000	202.000
0540	522.0324	CULVERT PIPE REINFORCED CONCRETE CLASS IV 24-INCH	LF	204.000	204.000
0550	522.0336	CULVERT PIPE REINFORCED CONCRETE CLASS IV 36-INCH	LF	54.000	54.000
0560	522.1012	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 12-INCH	EACH	2.000	2.000
0570	522.1018	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 18-INCH	EACH	12.000	12.000
0580	522.1024	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 24-INCH	EACH	9.000	9.000
0590	522.1036	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE 36-INCH	EACH	5.000	5.000
0600	523.0424	CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 24X38-INCH	LF	145.000	145.000
0610	523.0524	APRON ENDWALLS FOR CULVERT PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL 24X38-INCH	EACH	2.000	2.000
0620	601.0110	CONCRETE CURB TYPE D	LF	50.000	50.000
0630	601.0407	CONCRETE CURB & GUTTER 18-INCH TYPE D	LF	85.000	85.000
0640	601.0411	CONCRETE CURB & GUTTER 30-INCH TYPE D	LF	14,250.000	14,250.000
0650	601.0557	CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D	LF	730.000	730.000
0660	601.0600	CONCRETE CURB PEDESTRIAN	LF	57.000	57.000
0670	602.0405	CONCRETE SIDEWALK 4-INCH	SF	36,330.000	36,330.000
0680	602.0410	CONCRETE SIDEWALK 5-INCH	SF	67,790.000	67,790.000
0690	602.0415	CONCRETE SIDEWALK 6-INCH	SF	3,950.000	3,950.000
0700	602.0510	CURB RAMP DETECTABLE WARNING FIELD WHITE	SF	400.000	400.000
0710	602.1500	CONCRETE STEPS	SF	75.000	75.000
0720	606.0200	RIPRAP MEDIUM	CY	20.000	20.000
0730	606.0300	RIPRAP HEAVY	CY	42.000	42.000
0740	608.0312	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 12-INCH	LF	416.000	416.000
0750	608.0315	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 15-INCH	LF	491.000	491.000
0760	608.0324	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	LF	1,026.000	1,026.000
0770	608.0330	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH	LF	38.000	38.000
0780	608.0336	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	LF	242.000	242.000
0790	608.0412	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 12-INCH	LF	550.000	550.000
0800	608.0415	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 15-INCH	LF	1,498.000	1,498.000
0810	608.0418	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 18-INCH	LF	256.000	256.000

3

DATE 14OCT13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	9190-13-71 QUANTITY
0820	608.0424	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 24-INCH	LF	1,927.000	1,927.000
0830	608.0430	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 30-INCH	LF	375.000	375.000
0840	608.0436	STORM SEWER PIPE REINFORCED CONCRETE CLASS IV 36-INCH	LF	1,120.000	1,120.000
0850	610.0138	STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-III 38X60-INCH	LF	349.000	349.000
0860	611.0530	MANHOLE COVERS TYPE J	EACH	52.000	52.000
0870	611.0624	INLET COVERS TYPE H	EACH	61.000	61.000
0880	611.0627	INLET COVERS TYPE HM	EACH	3.000	3.000
0890	611.0639	INLET COVERS TYPE H-S	EACH	61.000	61.000
0900	611.1230	CATCH BASINS 2X3-FT	EACH	136.000	136.000
0910	611.2004	MANHOLES 4-FT DIAMETER	EACH	27.000	27.000
0920	611.2005	MANHOLES 5-FT DIAMETER	EACH	10.000	10.000
0930	611.2006	MANHOLES 6-FT DIAMETER	EACH	2.000	2.000
0940	611.2007	MANHOLES 7-FT DIAMETER	EACH	2.000	2.000
0950	611.2008	MANHOLES 8-FT DIAMETER	EACH	9.000	9.000
0960	611.9800.S	PIPE GRATES	EACH	12.000	12.000
0970	612.0902.S	INSULATION BOARD POLYSTYRENE (INCH) 01. 2-INCH	SY	192.000	192.000
0980	616.0700.S	FENCE SAFETY	LF	5,600.000	5,600.000
0990	618.0100	MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT) 01. 9190-13-71	EACH	1.000	1.000
1000	619.1000	MOBILIZATION	EACH	1.000	1.000
1010	620.0300	CONCRETE MEDIAN SLOPED NOSE	SF	45.000	45.000
1020	621.0100	LANDMARK REFERENCE MONUMENTS	EACH	12.000	12.000
1030	623.0200	DUST CONTROL SURFACE TREATMENT	SY	49,700.000	49,700.000
1040	624.0100	WATER	MGAL	50.000	50.000
1050	625.0500	SALVAGED TOPSOIL	SY	42,900.000	42,900.000
1060	628.1504	SILT FENCE	LF	2,980.000	2,980.000
1070	628.1520	SILT FENCE MAINTENANCE	LF	2,980.000	2,980.000
1080	628.1905	MOBILIZATIONS EROSION CONTROL	EACH	6.000	6.000
1090	628.1910	MOBILIZATIONS EMERGENCY EROSION CONTROL	EACH	3.000	3.000
1100	628.2004	EROSION MAT CLASS I TYPE B	SY	6,250.000	6,250.000
1110	628.2008	EROSION MAT URBAN CLASS I TYPE B	SY	37,150.000	37,150.000
1120	628.7005	INLET PROTECTION TYPE A	EACH	174.000	174.000
1130	628.7010	INLET PROTECTION TYPE B	EACH	18.000	18.000
1140	628.7015	INLET PROTECTION TYPE C	EACH	84.000	84.000
1150	628.7020	INLET PROTECTION TYPE D	EACH	82.000	82.000
1160	628.7504	TEMPORARY DITCH CHECKS	LF	525.000	525.000
1170	628.7555	CULVERT PIPE CHECKS	EACH	100.000	100.000
1180	628.7560	TRACKING PADS	EACH	3.000	3.000
1190	628.7570	ROCK BAGS	EACH	740.000	740.000
1200	629.0210	FERTILIZER TYPE B	CWT	29.000	29.000
1210	630.0140	SEEDING MIXTURE NO. 40	LB	790.000	790.000
1220	633.5200	MARKERS CULVERT END	EACH	9.000	9.000
1230	634.0614	POSTS WOOD 4X6-INCH X 14-FT	EACH	27.000	27.000
1240	634.0616	POSTS WOOD 4X6-INCH X 16-FT	EACH	31.000	31.000
1250	634.0618	POSTS WOOD 4X6-INCH X 18-FT	EACH	4.000	4.000
1260	637.1220	SIGNS TYPE I REFLECTIVE SH	SF	30.000	30.000
1270	637.2210	SIGNS TYPE II REFLECTIVE H	SF	453.930	453.930
1280	637.2230	SIGNS TYPE II REFLECTIVE F	SF	101.670	101.670
1290	638.2102	MOVING SIGNS TYPE II	EACH	2.000	2.000

3

DATE 14OCT13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	9190-13-71 QUANTITY
1300	638.2602	REMOVING SIGNS TYPE II	EACH	105.000	105.000
1310	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	56.000	56.000
1320	638.3100	REMOVING STRUCTURAL STEEL SIGN SUPPORTS	EACH	1.000	1.000
1330	641.8100	OVERHEAD SIGN SUPPORT (STRUCTURE) 01. S-05-143	LS	1.000	1.000
1340	642.5401	FIELD OFFICE TYPE D	EACH	1.000	1.000
1350	643.0100	TRAFFIC CONTROL (PROJECT) 01. 9190-13-71	EACH	1.000	1.000
1360	643.0300	TRAFFIC CONTROL DRUMS	DAY	10,700.000	10,700.000
1370	643.0410	TRAFFIC CONTROL BARRICADES TYPE II	DAY	5,136.000	5,136.000
1380	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	9,844.000	9,844.000
1390	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	19,688.000	19,688.000
1400	643.0900	TRAFFIC CONTROL SIGNS	DAY	15,836.000	15,836.000
1410	643.0920	TRAFFIC CONTROL COVERING SIGNS TYPE II	EACH	1.000	1.000
1420	643.1000	TRAFFIC CONTROL SIGNS FIXED MESSAGE	SF	56.000	56.000
1430	643.1050	TRAFFIC CONTROL SIGNS PCMS	DAY	14.000	14.000
1440	643.2000	TRAFFIC CONTROL DETOUR (PROJECT) 01. 9190-13-71	EACH	1.000	1.000
1450	643.3000	TRAFFIC CONTROL DETOUR SIGNS	DAY	28,676.000	28,676.000
1460	645.0105	GEOTEXTILE FABRIC TYPE C	SY	235.000	235.000
1470	645.0120	GEOTEXTILE FABRIC TYPE HR	SY	170.000	170.000
1480	646.0106	PAVEMENT MARKING EPOXY 4-INCH	LF	15,100.000	15,100.000
1490	646.0126	PAVEMENT MARKING EPOXY 8-INCH	LF	350.000	350.000
1500	647.0166	PAVEMENT MARKING ARROWS EPOXY TYPE 2	EACH	4.000	4.000
1510	647.0356	PAVEMENT MARKING WORDS EPOXY	EACH	2.000	2.000
1520	647.0453	PAVEMENT MARKING CURB PAINT	LF	2,560.000	2,560.000
1530	647.0566	PAVEMENT MARKING STOP LINE EPOXY 18-INCH	LF	255.000	255.000
1540	647.0776	PAVEMENT MARKING CROSSWALK EPOXY 12-INCH	LF	1,830.000	1,830.000
1550	649.0100	TEMPORARY PAVEMENT MARKING 4-INCH	LF	1,250.000	1,250.000
1560	649.1100	TEMPORARY PAVEMENT MARKING STOP LINE 18-INCH	LF	37.000	37.000
1570	650.4000	CONSTRUCTION STAKING STORM SEWER	EACH	192.000	192.000
1580	650.4500	CONSTRUCTION STAKING SUBGRADE	LF	9,940.000	9,940.000
1590	650.5000	CONSTRUCTION STAKING BASE	LF	9,940.000	9,940.000
1600	650.5500	CONSTRUCTION STAKING CURB GUTTER AND CURB & GUTTER	LF	15,660.000	15,660.000
1610	650.6000	CONSTRUCTION STAKING PIPE CULVERTS	EACH	1.000	1.000
1620	650.9910	CONSTRUCTION STAKING SUPPLEMENTAL CONTROL (PROJECT) 01. 9190-13-71	LS	1.000	1.000
1630	650.9920	CONSTRUCTION STAKING SLOPE STAKES	LF	9,940.000	9,940.000
1640	690.0150	SAWING ASPHALT	LF	3,145.000	3,145.000
1650	690.0250	SAWING CONCRETE	LF	1,075.000	1,075.000
1660	715.0502	INCENTIVE STRENGTH CONCRETE STRUCTURES	DOL	1,000.000	1,000.000
1670	999.1500.S	CRACK AND DAMAGE SURVEY	LS	1.000	1.000
1680	ASP.1T0A	ON-THE-JOB TRAINING APPRENTICE AT $5.00/HR	HRS	2,400.000	2,400.000
1690	ASP.1T0G	ON-THE-JOB TRAINING GRADUATE AT $5.00/HR	HRS	2,100.000	2,100.000
1700	SPV.0060	SPECIAL 01. MANHOLES SPECIAL 10-FT DIAMETER	EACH	2.000	2.000
1710	SPV.0060	SPECIAL 02. STEEL PLATE COVER	EACH	1.000	1.000
1720	SPV.0060	SPECIAL 03. INLET COVERS TYPE HD	EACH	9.000	9.000
1730	SPV.0060	SPECIAL 04. RECONNECT EXISTING STORM SEWER LATERAL	EACH	7.000	7.000
1740	SPV.0060	SPECIAL 05. STRAPPING C-5-98	EACH	1.000	1.000
1750	SPV.0060	SPECIAL 06. ADJUSTING WATER SERVICE CURB STOP	EACH	45.000	45.000

DATE 14OCT13 E S T I M A T E O F Q U A N T I T I E S

LINE NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	9190-13-71 QUANTITY
1760	SPV.0060	SPECIAL 07. ADJUSTING WATER VALVE BOX	EACH	32.000	32.000
1770	SPV.0060	SPECIAL 08. ADJUSTING SANITARY MANHOLE COVER	EACH	29.000	29.000
1780	SPV.0060	SPECIAL 09. INLET COVERS TYPE HD-S	EACH	4.000	4.000
1790	SPV.0075	SPECIAL 01. STREET SWEEPING	HRS	50.000	50.000
1800	SPV.0090	SPECIAL 01. STORM SEWER PIPE REINFORCED CONCRETE HORIZONTAL ELLIPTICAL CLASS HE-IV 38X60	LF	1,031.000	1,031.000
1810	SPV.0090	SPECIAL 02. CONCRETE CURB & GUTTER 30-INCH HES TYPE D	LF	490.000	490.000
1820	SPV.0090	SPECIAL 03. RESIDENTIAL STORM SEWER LATERAL	LF	226.000	226.000
1830	SPV.0090	SPECIAL 04. DIVERSION CHANNEL	LF	165.000	165.000
1840	SPV.0105	SPECIAL 01. SEISMOGRAPH URBAN	LS	1.000	1.000
1850	SPV.0120	SPECIAL 01. WATER FOR SEEDED AREAS	MGAL	1,000.000	1,000.000
1860	SPV.0165	SPECIAL 01. CONCRETE SIDEWALK 5-INCH WITH INTEGRAL FOOTING	SF	625.000	625.000
1870	SPV.0165	SPECIAL 02. SALVAGE AND REPLACE BRICK PAVERS	SF	36.000	36.000
1880	SPV.0195	SPECIAL 01. TRAFFIC BOND LIMESTONE 3/8-INCH	TON	40.000	40.000

3

CLEARING AND GRUBBING

STATION	LOCATION	201.0105 CLEARING STA	201.0205 GRUBBING STA
CAT 0010			
5+00 - 6+00	LT	1	1
7+00 - 8+00	RT & LT	1	1
22+00 - 25+00	RT	3	3
36+00 - 38+00	RT	2	2
45+00 - 50+00	RT & LT	5	5
51+00 - 64+00	RT & LT	13	13
66+00 - 68+00	RT	2	2
72+00 - 73+00	LT	1	1
77+00 - 81+00	LT	4	4
82+00 - 85+00	RT	3	3
199+00 - 200+00	LT	1	1
704+00 - 705+00	RT	1	1
TOTALS		37	37

REMOVING PAVEMENT

STATION	LOCATION	*204.0100 SY	COMMENTS
CAT 0010			
1+00 - 12+50	RT & LT	240	STH 32
12+50 - 36+40	RT & LT	970	STH 32, STH 160, S ST. AUGUSTINE ST
36+40 - 51+75	RT & LT	206	STH 32
198+23 - 199+77	RT & LT	51	WILLIAMS ST
598+57 - 599+79	RT & LT	13	CHICAGO ST
TOTAL		1,480	

*DOES NOT INCLUDE SIDEWALK THROUGH DRIVEWAY

REMOVING SMALL PIPE CULVERTS

STATION	LOCATION	203.0100 EACH	FOR INFORMATIONAL USE ONLY SIZE (INCH)	MATERIAL	LENGTH (FT)	COMMENTS
CAT 0010						
52+50	LT	1	24"	CMCP	27	DRIVEWAY
53+00	LT	1	18"	RCCP	28	DRIVEWAY
54+00	LT	1	18"	RCCP	28	DRIVEWAY
55+50	LT	1	18"	CMCP	32	DRIVEWAY
57+50	LT	1	18"	CMCP	49	DRIVEWAY
60+50	LT	1	18"	RCCP	28	DRIVEWAY
62+75	RT	1	24"	CMCP	49	DRIVEWAY
62+75	RT & LT	1	24"	RCCP	68	STH 32 CROSS-CULVERT
64+75	RT	1	24"	CMCP	50	DRIVEWAY
67+50	LT	1	18"	RCCP	29	DRIVEWAY
67+75	RT	1	24"	RCCP	51	DRIVEWAY
69+75	RT	1	18"	CMCP	34	DRIVEWAY
70+75	RT	1	18"	CMCP	36	DRIVEWAY
72+00	LT	1	18"	CMCP	35	DRIVEWAY
73+00	RT	1	18"	RCCP	28	DRIVEWAY
73+50	LT	1	24"	RCCP/CMCP	43	DRIVEWAY
76+00	LT	1	24"	CMCP	34	DRIVEWAY
77+25	RT	1	18"	RCCP	30	DRIVEWAY
82+00	RT	1	24"	RCCP	28	DRIVEWAY
84+50	LT & RT	1	30"	RCCP	116	STH 32 CROSS-CULVERT
85+25	RT	1	18"	RCCP	26	DRIVEWAY
86+75	RT	1	18"	RCCP	28	DRIVEWAY
88+00	LT	1	18"	RCCP	27	DRIVEWAY
TOTAL		23				

REMOVING CURB & GUTTER

STATION	LOCATION	204.0150 LF	COMMENTS
CAT 0010			
1+00 - 12+50	RT & LT	2,200	
12+50 - 36+40	RT & LT	4,430	
36+40 - 51+75	RT & LT	3,010	
198+23 - 199+77	RT & LT	315	WILLIAMS ST
249+07 - 249+77	RT & LT	150	SUMMIT ST
298+45 - 299+92	RT & LT	330	E PULASKI ST
398+62 - 399+79	RT & LT	245	PINE ST
449+04 - 449+79	RT & LT	160	FLORA ST
499+35 - 499+75	RT & LT	60	S ST. AUGUSTINE ST
550+00 - 550+83	RT & LT	150	STH 160
598+57 - 599+79	RT & LT	250	CHICAGO ST
DRIVEWAYS	--	50	
TOTAL		11,350	

3

REMOVING CONCRETE SIDEWALK

STATION	LOCATION	*204.0155 SY	COMMENTS
CAT 0010			
1+00 - 12+50	RT & LT	1,260	
12+50 - 36+40	RT & LT	2,480	
36+40 - 51+75	RT & LT	1,615	
198+23 - 199+77	RT & LT	54	WILLIAMS ST
249+07 - 249+77	RT & LT	38	SUMMIT ST
298+45 - 299+92	RT & LT	90	E PULASKI ST
449+04 - 449+79	RT & LT	8	FLORA ST
499+35 - 499+75	RT & LT	70	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	81	STH 160/W PULASKI ST - INCLUDES BRICK PAVERS
598+57 - 599+79	RT & LT	54	CHICAGO ST
TOTAL		5,750	

*INCLUDES SIDWALK THROUGH DRIVEWAYS

REMOVING FENCE

STATION	LOCATION	204.0170 LF
CAT 0010		
49+25	RT	20
TOTAL		20

REMOVING CONCRETE BASES

STATION	LOCATION	204.0195 EACH
CAT 0010		
10+80	RT	1
299+80	RT	3
50+00	RT	2
63+25	RT	1
13+00 - 27+00	LT& RT	10
TOTAL		17

NOTE: BASES FROM STATION 13+00 TO STATION 27+00 ARE EXISTING STREET LIGHT POLE BASES

REMOVING MANHOLES AND INLETS

STATION	LOCATION	204.0210 REMOVING MANHOLES EACH	204.0220 REMOVING INLETS EACH	SPV.0060.02 STEEL PLATE COVER EACH	COMMENTS
CAT 0010					
1+00 - 12+50	RT & LT	4	8	--	INCLUDING SIDEROADS
12+50 - 36+40	RT & LT	17	22	1	INCLUDING SIDEROADS
36+40 - 51+75	RT & LT	2	8	--	INCLUDING SIDEROADS
TOTALS		23	38	1	

REMOVING STORM SEWER

STATION	LOCATION	204.0245.01 REMOVING STORM SEWER (12-INCH) LF	204.0245.02 REMOVING STORM SEWER (18-INCH) LF	204.0245.03 REMOVING STORM SEWER (24-INCH) LF	204.0245.04 REMOVING STORM SEWER (30-INCH) LF	204.0280 SEALING PIPES EACH	204.0291.S ABANDONING SEWER CY	COMMENTS
CAT 0010								
1+00 - 12+50	RT & LT	1,350	--	--	--	1	--	INCLUDING SIDEROADS
12+50 - 36+40	RT & LT	725	1,900	1,400	80	6	13	INCLUDING SIDEROADS
36+40 - 51+75	RT & LT	125	800	800	--	--	--	INCLUDING SIDEROADS
TOTALS		2,200	2,700	2,200	80	7	13	

EARTHWORK SUMMARY

DIVISION	FROM/TO STATION	LOCATION	EXCAVATION COMMON (NOTE 1) (ITEM #205.0100)	SALVAGED / UNUSEABLE PAVEMENT MATERIAL (NOTE 3)	AVAILABLE MATERIAL (NOTE 4)	UNEXPANDED FILL (NOTE 5)	EXPANDED FILL (NOTE 6)	MASS ORDINATE +/- (NOTE 7)	WASTE
			CUT (NOTE 2)				FACTOR 1.33		
ID 9190-13-71									
1	1+00 - 12+44	STH 32 / WISCONSIN STREET	3,951	977	2,974	63	84	2,890	2,890
1	298+45 - 550+80	STH 32 / PULASKI STREET	9,112	2,344	6,768	79	105	6,663	6,663
1	36+33 - 88+40	STH 32 / ST AUGUSTINE STREET	40,066	3,909	36,157	7,252	9,645	26,512	26,512
1	198+23 - 199+84	WILLIAMS STREET	798	68	730	0	0	730	730
1	249+07 - 249+84	SUMMIT STREET	294	25	269	0	0	269	269
1	350+05 - 353+20	WISCONSIN STREET	645	70	575	5	7	568	568
1	398+62 - 399+86	PINE STREET	453	47	406	2	3	403	403
1	449+04 - 449+86	FLORA STREET	329	26	303	1	1	302	302
1	499+35 - 499+80	ST AUGUSTINE STREET	201	23	178	0	0	178	178
1	598+57 - 599+85	CHICAGO STREET	535	46	489	1	1	488	488
1	699+39 - 699+84	FUTURE ROAD TO INDUSTRIAL PARK	60	0	60	122	162	-102	-102
1	701+78 - 705+33	SNOWMOBILE TRAIL	459	0	459	0	0	459	459
TOTALS			56,903	7,535	49,368	7,525	10,008	39,360	39,360

1) NO EBS IS ANTICIPATED. IF EBS IS REQUIRED IT WILL BE PAID AS COMMON EXCAVATION. ITEM NUMBER 205.0100
2) SALVAGED/UNSUABLE PAVEMENT MATERIAL IS INCLUDED IN CUT
3) SALVAGED/UNUSABLE PAVEMENT MATERIAL EQUALS AREA OF PROJECT PAVEMENT REMOVAL * TYPICAL EXISTING PAVEMENT DEPTH
4) AVAILABLE MATERIAL = CUT - SALVAGED/UNUSUABLE PAVEMENT MATERIAL
5) UNEXPANDED FILL IS A SUM OF CROSS SECTION AREAS FROM EACH DIVISIONAL SHEET
6) EXPANDED FILL FACTOR = 1.33, EXPANDED FILL = (UNEXPANDED FILL) * FILL FACTOR
7) THE MASS ORDINATE + OR - QTY CALCULATED FOR THE DIVISION. PLUS QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. MINUS INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.

EXCAVATION, HAULING, AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL

STATION	LOCATION	ADDRESS	205.0501.S TON
CAT 0010			
11+50 - 12+72	RT	104 S. WISCONSIN ST	200
11+50 - 15+00	LT	113 S. WISCONSIN ST	700
32+75 - 34+45	LT	118 E. PULASKI ST	300
35+20 - 36+09	LT	108 S. AUGUSTINE ST	300
TOTAL			1,500

BASE AGGREGATE ITEMS

STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	311.0115 BREAKER RUN CY	SPV.0195.01 TRAFFIC BOND LIMESTONE 3/8-INCH TON	COMMENTS
CAT 0010						
1+00 - 12+50	RT & LT	--	5,130	--	--	
12+50 - 36+40	RT & LT	--	11,965	--	--	
36+40 - 51+75	RT & LT	--	7,240	--	--	
51+75 - 72+35	RT & LT	--	8,960	--	8	
72+35 - 88+60	RT & LT	680	8,790	--	13	
198+23 - 199+77	RT & LT	--	780	--	--	WILLIAMS ST
249+07 - 249+77	RT & LT	--	280	--	--	SUMMIT ST
298+45 - 299+92	RT & LT	--	610	--	19	E PULASKI ST
350+14 - 353+20	RT & LT	--	860	--	--	N WISCONSIN ST
398+62 - 399+79	RT & LT	--	542	--	--	PINE ST
449+04 - 449+79	RT & LT	--	306	--	--	FLORA ST
499+35 - 499+75	RT & LT	--	210	--	--	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	--	275	--	--	STH 160/W PULASKI ST
598+57 - 599+79	RT & LT	--	575	--	--	CHICAGO ST
698+75 - 699+64	RT & LT	--	327	--	--	FUTURE ROAD TO INDUSTRIAL PARK
DRIVEWAYS	RT & LT	650	1,680	--	--	
SIDEWALK	RT & LT	--	1,540	--	--	
UNDISTRIBUTED	--	--	80	5,000	--	
CAT 0010 SUBTOTALS		1,330	50,150	5,000	40	
CAT 0020						
10+13 - 12+50	RT & LT	--	31	--	--	
12+50 - 36+40	RT & LT	--	339	--	--	
36+40 - 51+75	RT & LT	--	95	--	--	
298+45 - 299+92	RT & LT	--	5	--	--	E PULASKI ST
CAT 0020 SUBTOTALS		0	470	0	0	
TOTALS		1,330	50,620	5,000	40	

NOTES:
BASE AGGREGATE DENSE 1 1/4-INCH IN CAT 0020 IS THE BASE MATERIAL FOR THE CONCRETE SIDEWALK 4-INCH IN CAT 0020
BREAKER RUN IN CAT 0010 IS FOR POTENTIAL EBS AREAS
UNDISTRIBUTED BASE AGGREGATE DENSE 1 1/4-INCH FOR TEMPORARY ACCESS TO DRIVEWAYS

SIDEWALK ITEMS

STATION	LOCATION	405.0100 COLORING CONCRETE RED CY	513.2050.S RAILING PIPE LF	602.0405 SIDEWALK 4-INCH SF	602.0410 SIDEWALK 5-INCH SF	602.0415 SIDEWALK 6-INCH SF	602.0510 CURB RAMP DETECTABLE WARNING FIELD WHITE SF	602.1500 CONCRETE STEPS SF	SPV.0165.01 CONCRETE SIDEWALK 5-INCH WITH INTEGRAL FOOTING SF	COMMENTS
CAT 0010										
1+00 - 12+50	RT & LT	--	--	8,720	--	535	72	5	--	
12+50 - 36+40	RT & LT	--	50	2,345	20,365	1,390	136	22	625	
36+40 - 51+75	RT & LT	--	--	5,490	13,510	540	48	48	--	
51+75 - 72+35	RT	--	--	--	19,000	--	--	--	--	
198+23 - 199+77	RT & LT	--	--	445	--	125	16	--	--	WILLIAMS ST
249+07 - 249+77	RT & LT	--	--	325	--	70	16	--	--	SUMMIT ST
298+45 - 299+92	RT & LT	--	--	550	675	405	32	--	--	E PULASKI ST
398+62 - 399+79	RT & LT	--	--	--	--	245	16	--	--	PINE ST
449+04 - 449+79	RT & LT	--	--	70	--	225	16	--	--	FLORA ST
499+35 - 499+75	RT & LT	--	--	445	--	132	16	--	--	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	--	--	440	--	118	16	--	--	STH 160/W PULASKI ST
598+57 - 599+79	RT & LT	--	--	355	--	165	16	--	--	CHICAGO ST
CAT 0010 SUBTOTALS		0	50	19,185	53,550	3,950	400	75	625	
CAT 0020										
10+13 - 12+50	RT & LT	21	--	1,640	--	--	--	--	--	
12+50 - 25+75	RT	97	--	6,230	6,225	--	--	--	--	
12+50 - 16+94	LT	15	--	1,160	--	--	--	--	--	
16+94 - 26+21	LT	36	--	2,815	--	--	--	--	--	
25+75 - 36+40	RT	79	--	105	4,890	--	--	--	--	
26+21 - 34+70	LT	31	--	2,445	--	--	--	--	--	
34+70 - 35+30	LT	3	--	235	--	--	--	--	--	
35+30 - 36+40	LT	1	--	70	--	--	--	--	--	
36+40 - 41+63	RT	31	--	--	1,970	--	--	--	--	
36+40 - 39+58	LT	10	--	785	--	--	--	--	--	
39+59 - 44+01	LT	17	--	1,310	--	--	--	--	--	
41+63 - 43+80	RT	15	--	--	930	--	--	--	--	
299+52 - 300+00	RT	4	--	--	225	--	--	--	--	E PULASKI ST
550+23 - 550+83	RT & LT	5	--	350	--	--	--	--	--	STH 160/W PULASKI ST
CAT 0020 SUBTOTALS		365	0	17,145	14,240	0	0	0	0	
TOTALS		365	50	36,330	67,790	3,950	400	75	625	

CONCRETE DRIVEWAY

STATION	LOCATION	416.0160 6-INCH SY	416.0260 HES 6-INCH SY	COMMENTS
CAT 0010				
1+00 - 12+50	RT & LT	432	220	
12+50 - 36+40	RT & LT	632	--	
36+40 - 51+75	RT & LT	632	200	
51+75 - 72+35	RT & LT	342	90	
198+23 - 199+77	RT & LT	60	--	WILLIAMS ST
298+45 - 299+92	RT & LT	165	--	E PULASKI ST
398+62 - 399+79	RT	37	--	PINE ST
449+04 - 449+79	RT	5	--	FLORA ST
598+57 - 599+79	RT	35	--	CHICAGO ST
TOTALS		2,340	510	

ASPHALTIC AND HMA ITEMS

STATION	LOCATION	455.0115 ASPHALTIC MATERIAL PG64-22 TON	455.0122 ASPHALTIC MATERIAL PG64-34 TON	455.0605 TACK COAT GAL	460.1103 HMA PAVEMENT TYPE E-3 TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES TON	465.0315 ASPHALTIC FLUMES SY	COMMENTS
CAT 0010								
1+00 - 12+50	RT & LT	46	30	110	1,365	20	--	
12+50 - 36+40	RT & LT	110	70	260	3,235	36	--	
36+40 - 51+75	RT & LT	66	43	160	1,949	52	--	
51+75 - 72+35	RT & LT	80	56	190	2,350	42	--	
72+35 - 88+60	RT & LT	66	42	155	1,950	44	--	
198+23 - 199+77	RT & LT	8	5	18	219	--	--	WILLIAMS ST
249+07 - 249+77	RT & LT	3	2	7	77	--	--	SUMMIT ST
298+45 - 299+92	RT & LT	6	4	14	176	80	--	E PULASKI ST
350+14 - 353+20	RT & LT	10	7	23	284	--	--	N WISCONSIN ST
398+62 - 399+79	RT & LT	6	4	12	151	--	--	PINE ST
449+04 - 449+79	RT & LT	3	2	7	85	9	--	FLORA ST
499+35 - 499+75	RT & LT	3	2	6	64	2	--	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	3	2	7	87	--	--	STH 160/W PULASKI ST
598+57 - 599+79	RT & LT	6	4	13	157	--	--	CHICAGO ST
698+75 - 699+64	RT & LT	4	2	8	91	--	18	FUTURE ROAD TO INDUSTRIAL PARK
TOTALS		420	275	990	12,240	285	18	

REHEATING HMA PAVEMENT LONGITUDINAL JOINTS

		460.4110.S	
STATION	LOCATION	LF	COMMENTS
CAT 0010			
1+00 - 12+50	CENTERLINE	1,150	LOWER LAYER
1+00 - 12+50	CENTERLINE	1,150	UPPER LAYER
12+50 - 36+40	CENTERLINE	2,380	LOWER LAYER
12+50 - 36+40	CENTERLINE	2,380	UPPER LAYER
12+50 - 36+40	LT	2,560	LOWER LAYER
12+50 - 36+40	LT	2,560	UPPER LAYER
12+50 - 36+40	RT	2,575	LOWER LAYER
12+50 - 36+40	RT	2,575	UPPER LAYER
36+40 - 51+75	CENTERLINE	1,525	LOWER LAYER
36+40 - 51+75	CENTERLINE	1,525	UPPER LAYER
36+40 - 51+75	LT	1,525	LOWER LAYER
36+40 - 51+75	LT	1,525	UPPER LAYER
36+40 - 51+75	RT	1,525	LOWER LAYER
36+40 - 51+75	RT	1,525	UPPER LAYER
51+75 - 72+35	CENTERLINE	2,060	LOWER LAYER
51+75 - 72+35	CENTERLINE	2,060	UPPER LAYER
72+35 - 88+60	CENTERLINE	1,625	LOWER LAYER
72+35 - 88+60	CENTERLINE	1,625	UPPER LAYER
TOTAL		33,850	

CULVERT PIPE ITEMS

		CORRUGATED STEEL		MINIMUM	REINFORCED CONCRETE							
		521.0118	521.0124	STEEL	CLASS IV			HORIZONTAL ELLIPTICAL CLASS HE-IV		**PIPE		
		18-INCH	24-INCH	THICKNESS	522.0318	522.0324	522.0336	523.0424	SLOPE	JOINT TIES	INLET	DISCHARGE
*STATION - STATION	*OFFSET - OFFSET	LF	LF	INCHES	18-INCH LF	24-INCH LF	36-INCH LF	24X38-INCH LF	%	EACH	ELEV	ELEV
CAT 0010												
55+25	29.0' LT	--	--	--	--	--	--	--	--	6	--	--
57+22.79 - 57+74.91	35.8' LT - 38.0' LT	--	--	--	40	--	--	--	0.34	12	802.52	802.38
60+27.08 - 60+79.07	40.2' LT - 40.1' LT	--	--	--	40	--	--	--	0.38	12	801.04	800.89
62+36.82 - 63+23.37	56.5' RT - 57.8' RT	--	--	--	--	74	--	--	0.81	12	799.33	798.74
63+22	39.0' LT	--	--	--	--	--	--	--	--	6	--	--
63+32	56.0' RT	--	--	--	--	--	--	--	--	6	--	--
64+48.70 - 65+19.28	58.4' RT - 60.4' RT	--	--	--	--	--	54	--	0.44	12	798.17	797.93
67+51.77 - 68+10	59.9' RT - 59.5' RT	--	--	--	--	46	--	--	0.50	12	799.20	798.97
68+25	57.0' RT	--	--	--	--	--	--	--	--	6	--	--
69+47.43 - 69+99.58	58.4' RT - 58.0' RT	--	--	--	40	--	--	--	0.49	12	800.14	799.95
69+51.79 - 70+48.03	41.6' LT - 41.4' LT	--	--	--	--	84	--	--	0.31	12	801.16	800.90
70+05	54.0' RT	--	--	--	--	--	--	--	--	6	--	--
70+52.96 - 71+01.08	57.3' RT - 56.2' RT	--	--	--	36	--	--	--	0.68	12	800.72	800.48
71+67.79 - 72+25.94	40.1' LT - 38.9' LT	--	--	--	46	--	--	--	0.31	12	801.65	801.51
72+61.17 - 73+09.67	44.8' RT - 44.8' RT	32	--	0.064	--	--	--	--	1.67	--	801.05	800.51
73+14.71 - 74+03.33	46.6' LT - 45.5' LT	--	62	0.064	--	--	--	--	0.50	--	800.12	799.81
75+58.62 - 76+35.26	46.7' LT - 47.4' LT	--	50	0.064	--	--	--	--	0.50	--	798.90	798.65
76+97.10 - 77+46.85	47.3' RT - 47.6' RT	--	22	0.064	--	--	--	--	0.30	--	798.38	798.31
81+67.49 - 82+42.02	45.9' RT - 43.9' RT	--	48	0.064	--	--	--	--	1.10	--	800.80	800.27
84+25.71 - 85+66.99	37.3' RT - 39.7' LT	--	--	--	--	--	--	145	0.30	12	803.86	803.42
84+82.82 - 85+39.67	37.9' RT - 38.9' RT	40	--	0.064	--	--	--	--	0.50	--	804.00	803.80
86+50.45 - 87+17.39	38.8' RT - 38.5' RT	51	--	0.064	--	--	--	--	0.48	--	804.89	804.64
87+65.28 - 88+23.93	38.7' LT - 36.3' LT	42	--	0.064	--	--	--	--	1.33	--	805.17	804.61
TOTALS		165	182		202	204	54	145		150		

*STATION AND OFFSET IS TO END OF ENDWALL

**NON BID ITEM, FOR INFORMATION ONLY. TIE LAST THREE JOINTS.

3

APRON ENDWALL FOR CULVERT PIPE ITEMS

		STEEL		REINFORCED CONCRETE					
		SLOPED SIDE DRAINS - 10 TO 1						HORIZONTAL ELLIPTICAL	633.5200
		521.1618	521.1624	522.1012	522.1018	522.1024	522.1036	523.0524	MARKERS
		18-INCH	24-INCH	12-INCH	18-INCH	24-INCH	36-INCH	24X38-INCH	CULVERT END
*STATION - STATION	*OFFSET - OFFSET	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
CAT 0010									
55+25	29.0' LT	--	--	--	--	1	--	--	1
57+22.79 - 57+74.91	35.8' LT - 38.0' LT	--	--	--	2	--	--	--	--
60+27.08 - 60+79.07	40.2' LT - 40.1' LT	--	--	--	2	--	--	--	--
62+36.82 - 63+23.37	56.5' RT - 57.8' RT	--	--	--	--	2	--	--	--
63+22	39.0' LT	--	--	--	1	--	--	--	1
63+32	56.0' RT	--	--	--	--	--	1	--	1
64+48.70 - 65+19.28	58.4' RT - 60.4' RT	--	--	--	--	--	2	--	--
67+51.77 - 68+10	59.9' RT - 59.5' RT	--	--	--	--	2	--	--	--
68+25	57.0' RT	--	--	1	--	--	--	--	1
69+47.43 - 69+99.58	58.4' RT - 58.0' RT	--	--	--	2	--	--	--	--
69+51.79 - 70+48.03	41.6' LT - 41.4' LT	--	--	--	--	2	--	--	2
70+05	54.0' RT	--	--	1	--	--	--	--	1
70+52.96 - 71+01.08	57.3' RT - 56.2' RT	--	--	--	2	--	--	--	--
71+67.79 - 72+25.94	40.1' LT - 38.9' LT	--	--	--	2	--	--	--	--
72+61.17 - 73+09.67	44.8' RT - 44.8' RT	2	--	--	--	1	1	--	--
73+14.71 - 74+03.33	46.6' LT - 45.5' LT	--	2	--	--	--	--	--	--
75+58.62 - 76+35.26	46.7' LT - 47.4' LT	--	2	--	--	--	--	--	--
76+97.10 - 77+46.85	47.3' RT - 47.6' RT	--	2	--	--	--	--	--	--
81+67.49 - 82+42.02	45.9' RT - 43.9' RT	--	2	--	--	1	1	--	--
84+25.71 - 85+66.99	37.3' RT - 39.7' LT	--	--	--	--	--	--	2	2
84+82.82 - 85+39.67	37.9' RT - 38.9' RT	2	--	--	--	--	--	--	--
86+50.45 - 87+17.39	38.8' RT - 38.5' RT	2	--	--	--	--	--	--	--
87+65.28 - 88+23.93	38.7' LT - 36.3' LT	2	--	--	1	--	--	--	--
TOTALS		8	8	2	12	9	5	2	9

*STATION AND OFFSET IS TO END OF ENDWALL

CONCRETE CURB & GUTTER

STATION	LOCATION	601.0110 CONCRETE CURB TYPE D LF	601.0407 18-INCH TYPE D LF	601.0411 30-INCH TYPE D LF	601.0557 6-INCH SLOPED 36-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	620.0300 CONCRETE MEDIAN SLOPED NOSE SF	SPV.0090.02 30-INCH HES TYPE D LF	COMMENTS
CAT 0010									
1+00 - 12+50	RT & LT	--	--	2,000	--	--	--	190	
12+50 - 36+40	RT & LT	--	85	4,000	400	22	45	--	
36+40 - 51+75	RT & LT	--	--	2,635	204	35	--	175	
51+75 - 72+35	RT & LT	--	--	3,975	--	--	--	125	
198+23 - 199+77	RT & LT	--	--	315	--	--	--	--	WILLIAMS ST
249+07 - 249+77	RT & LT	--	--	145	--	--	--	--	SUMMIT ST
298+45 - 299+92	RT & LT	--	--	295	--	--	--	--	E PULASKI ST
350+14 - 353+20	RT & LT	--	--	85	--	--	--	--	N WISCONSIN ST
398+62 - 399+79	RT & LT	--	--	200	42	--	--	--	PINE ST
449+04 - 449+79	RT & LT	--	--	115	42	--	--	--	FLORA ST
499+35 - 499+75	RT & LT	--	--	85	--	--	--	--	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	--	--	110	--	--	--	--	STH 160/W PULASKI ST
598+57 - 599+79	RT & LT	--	--	215	42	--	--	--	CHICAGO ST
698+75 - 699+64	RT & LT	--	--	75	--	--	--	--	FUTURE ROAD TO INDUSTRIAL PARK
PROJECT	RT & LT	50	--	--	--	--	--	--	DRIVEWAYS
TOTALS		50	85	14,250	730	57	45	490	

RIPRAP MEDIUM AND GEOTEXTILE FABRIC TYPE HR

STATION	LOCATION	606.0200 RIPRAP MEDIUM CY	645.0120 GEOTEXTILE FABRIC TYPE HR SY
CAT 0010			
63+25	RT	12	27
68+25	RT	4	9
71+10	RT	4	9
TOTALS		20	45

STORM SEWER PIPE REINFORCED CONCRETE

STATION	LOCATION	520.8000 CONCRETE COLLARS FOR PIPE EACH	608.0312 12-INCH LF	608.0315 15-INCH LF	608.0324 24-INCH CLASS III LF	608.0330 30-INCH LF	608.0336 36-INCH LF	608.0412 12-INCH LF	608.0415 15-INCH LF	608.0418 18-INCH CLASS IV LF	608.0424 24-INCH LF	608.0430 30-INCH LF	608.0436 36-INCH LF	610.0138 HORIZONTAL ELLIPTICAL CLASS HE-III 38x60-INCH LF	SPV.0090.01 HORIZONTAL ELLIPTICAL CLASS HE-IV 38x60-INCH LF
CAT 0010															
1+00 - 19+54	RT & LT	3	224	318	965	--	--	219	381	63	864	--	347	--	--
22+52 - 45+02	RT & LT	7	192	173	61	38	242	239	489	40	427	--	301	349	1,031
47+85 - 70+00	RT & LT	--	--	--	--	--	--	92	628	153	636	375	472	--	--
TOTALS		10	416	491	1,026	38	242	550	1,498	256	1,927	375	1,120	349	1,031

STORM SEWER MANHOLES

STATION	LOCATION	611.0530 MANHOLE COVERS TYPE J EACH	*611.0624 INLET COVERS TYPE H EACH	611.2004 MANHOLES 4-FT DIAMETER EACH	611.2005 MANHOLES 5-FT DIAMETER EACH	611.2006 MANHOLES 6-FT DIAMETER EACH	611.2007 MANHOLES 7-FT DIAMETER EACH	611.2008 MANHOLES 8-FT DIAMETER EACH	SPV.0060.01 MANHOLES SPECIAL 10-FT DIAMETER EACH	COMMENTS
CAT 0010										
1+00 - 19+54	RT & LT	20	--	14	2	1	2	--	--	INCLUDING SIDEROADS
22+52 - 45+02	RT & LT	21	1	8	3	--	--	9	2	INCLUDING SIDEROADS
47+85 - 71+10	RT & LT	11	--	5	5	1	--	--	--	INCLUDING SIDEROADS
TOTALS		52	1	27	10	2	2	9	2	

*OTHER QUANTITIES LOCATED ELSEWHERE

STORM SEWER INLETS

STATION	LOCATION	*611.0624 INLET COVERS TYPE H EACH	611.0627 INLET COVERS TYPE HM EACH	611.0639 INLET COVERS TYPE H-S EACH	611.1230 CATCH BASINS 2x3-FT EACH	SPV.0060.03 INLET COVERS TYPE HD EACH	SPV.0060.09 INLET COVERS TYPE HD-S EACH	COMMENTS
CAT 0010								
1+00 - 19+54	RT & LT	14	1	31	52	4	2	INCLUDING SIDEROADS
22+52 - 45+02	RT & LT	25	2	20	53	5	2	INCLUDING SIDEROADS
47+85 - 70+00	RT & LT	21	--	10	31	--	--	INCLUDING SIDEROADS
TOTALS		60	3	61	136	9	4	

*OTHER QUANTITIES LOCATED ELSEWHERE

PIPE GRATES

STATION	OFFSET	STRUCTURE	611.9800.S EACH	PIPE SIZE
CAT 0010				
55+25	LT	340	1	24"
63+22	LT	305	1	18"
57+25	LT	CULVERT	1	18"
60+29	LT	CULVERT	1	18"
62+39	RT	CULVERT	1	24"
64+51	RT	CULVERT	1	36"
68+08	RT	CULVERT	1	24"
69+98	RT	CULVERT	1	18"
70+46	LT	CULVERT	1	24"
70+99	RT	CULVERT	1	18"
72+24	LT	CULVERT	1	18"
85+67	LT	CULVERT	1	24x38"
TOTAL			12	

INSULATION BOARD POLYSTYRENE, 2-INCH

STATION	612.0902.S SY
CAT 0030	
UNDISTRIBUTED	192
TOTAL	192

FENCE SAFETY

LOCATION	616.0700.S LF
CAT 0010	
UNDISTRIBUTED	5,600
TOTAL	5,600

3

DUST CONTROL SURFACE TREATMENT

STATION	LOCATION	623.0200 SY
CAT 0010		
PROJECT	RT & LT	49,700
TOTAL		49,700

WATER

LOCATION	LOCATION	624.0100 MGAL
CAT 0010		
PROJECT	LT & RT	50
TOTAL		50

WATER PROVIDED FOR COMPACTION OF SUBGRADE AND BASE AGGREGATE COMPACTION AND DUST CONTROL

LANDMARK REFERENCE MOUNUMENTS

LOCATION	621.0100 EACH
CAT 0010	
SOUTH 1/4 OF SEC 31, T26N, R19E	4
SOUTHWEST OF SEC 31, T26N, R19E	4
WEST 1/4 OF SEC 31, T26N, R19E	4
TOTAL	12

3

FINISHING ITEMS

STATION	LOCATION	625.0500 SALVAGED TOPSOIL SY	628.2004 EROSION MAT CLASS I TYPE B SY	628.2008 EROSION MAT URBAN CLASS I TYPE B SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	SPV.0120.01 WATER FOR SEEDED AREAS MGAL	COMMENTS
CAT 0010								
1+00 - 12+50	RT & LT	1,750	--	1,750	1.1	32	40	
12+50 - 36+40	RT & LT	2,180	--	2,180	1.4	40	50	
36+40 - 51+75	RT & LT	2,470	150	2,320	1.6	45	60	
51+75 - 72+35	RT & LT	14,000	2,700	11,700	9.1	259	325	
72+35 - 88+60	RT & LT	12,100	2,150	9,950	7.7	218	280	
198+23 - 199+77	RT & LT	380	--	380	0.3	7	10	WILLIAMS ST
249+07 - 249+77	RT & LT	125	--	125	0.1	3	4	SUMMIT ST
298+45 - 299+92	RT & LT	110	--	110	0.1	2	4	E PULASKI ST
350+14 - 353+20	LT	160	--	160	0.1	3	4	N WISCONSIN ST
398+62 - 399+79	RT & LT	155	--	155	0.1	3	4	PINE ST
449+04 - 449+79	LT	120	--	120	0.1	3	4	FLORA ST
550+23 - 550+83	RT	25	--	25	0.1	1	3	STH 160/W PULASKI ST
598+57 - 599+79	RT & LT	310	--	310	0.2	6	8	CHICAGO ST
698+75 - 699+64	RT & LT	345	--	345	0.3	7	8	FUTURE ROAD TO INDUSTRIAL PARK
UNDISTRIBUTED	--	8,670	1,250	7,520	6.7	161	196	
TOTALS		42,900	6,250	37,150	29.0	790	1,000	

3

SILT FENCE & TURBIDITY BARRIERS

STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
CAT 0010			
6+51 - 6+77	LT	29	29
353+23 - 353+42	LT	60	60
16+97 - 17+59	LT	65	65
20+45 - 22+54	RT	75	75
44+28 - 49+65	RT	545	545
49+83 - 51+45	RT	165	165
66+25	RT & LT	180	180
73+00 - 77+00	RT	440	440
78+75 - 85+00	RT & LT	825	825
UNDISTRIBUTED	--	596	596
TOTALS		2,980	2,980

INLET PROTECTION

STATION	LOCATION	628.7005 TYPE A EACH	628.7010 TYPE B EACH	628.7015 TYPE C EACH	628.7020 TYPE D EACH	COMMENTS
CAT 0010						
1+00 - 12+50	RT & LT	19	9	10	5	
12+50 - 36+40	RT & LT	32	2	22	8	
36+40 - 51+75	RT & LT	30	3	17	10	
51+75 - 72+35	RT & LT	24	--	14	10	
198+23 - 199+77	RT & LT	4	--	--	4	WILLIAMS ST
249+07 - 249+77	RT & LT	4	--	--	4	SUMMIT ST
298+45 - 299+92	RT & LT	4	--	--	4	E PULASKI ST
350+14 - 353+20	RT & LT	4	--	--	4	N WISCONSIN ST
398+62 - 399+79	RT & LT	4	--	--	4	PINE ST
449+04 - 449+79	RT & LT	4	--	--	4	FLORA ST
499+35 - 499+75	RT & LT	4	--	--	4	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	2	--	4	--	STH 160/W PULASKI ST
598+57 - 599+79	RT & LT	4	--	--	4	CHICAGO ST
UNDISTRIBUTED	--	35	4	17	17	
TOTALS		174	18	84	82	

MOBILIZATIONS EROSION CONTROL

LOCATION	LOCATION	628.1905 EACH	628.1910 EMERGENCY EACH
CAT 0010			
PROJECT	LT & RT	6	3
TOTALS		6	3

TEMPORARY DITCH CHECKS ITEMS & ROCK BAGS

STATION	LOCATION	628.7504 TEMPORARY DITCH CHECKS LF	628.7570 ROCK BAGS EACH
CAT 0010			
52+00	RT	15	--
54+00	RT	15	--
56+00	RT & LT	30	--
58+00	RT & LT	30	--
60+00	RT & LT	30	--
62+00	RT & LT	30	--
64+00	RT & LT	30	--
66+00	RT & LT	--	120
66+25	RT & LT	--	56
66+50	RT & LT	--	120
68+50	RT & LT	30	--
70+00	RT	15	--
71+00	LT	15	--
73+25	RT	15	--
75+00	RT & LT	30	--
77+00	RT & LT	30	--
78+50	RT & LT	--	120
78+75	RT & LT	--	56
79+00	RT & LT	--	120
81+00	RT & LT	30	--
83+00	RT & LT	30	--
85+00	RT & LT	15	--
87+00	RT & LT	30	--
UNDISTRIBUTED	--	105	148
TOTALS		525	740

NOTE: ROCK BAGS PROVIDED FOR TEMPORARY DITCH CHECKS AND SILT FENCE RELIEF

CULVERT PIPE CHECKS

	STATION	LOCATION	628.7555 EACH
CAT 0010			
	55+25	LT	4
	57+22	LT	3
	60+27	LT	3
	62+37	RT	4
	63+22	LT	3
	64+49	RT	9
	68+10	RT	4
	70+00	RT	6
	70+48	LT	4
	71+01	RT	3
	72+26	LT	3
	72+61	RT	3
	73+15	LT	4
	75+59	LT	4
	76+97	RT	4
	82+42	RT	4
	85+40	RT	3
	85+67	LT	4
	87+17	RT	3
	88+24	LT	3
	UNDISTRIBUTED	--	22
TOTAL			100

TRACKING PADS

	LOCATION	LOCATION	628.7560 EACH
CAT 0010			
	PROJECT	LT & RT	3
TOTAL			3

TRAFFIC CONTROL ITEMS

		643.0300 DRUMS		643.0410 BARRICADES TYPE II		*643.0420 BARRICADES TYPE III		*643.0705 WARNING LIGHTS TYPE A		643.0900 SIGNS	
LOCATION	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS	NO.	DAYS
CAT 0010											
STH 32	214	--	--	--	--	12	2,568	24	5,136	24	5,136
GREEN BAY ST	214	--	--	--	--	2	428	4	856	3	642
WILLIAMS ST	214	--	--	--	--	2	428	4	856	3	642
SUMIT ST	214	--	--	--	--	2	428	4	856	3	642
E PULASKI ST	214	--	--	--	--	2	428	4	856	3	642
N WISCONSIN ST	214	--	--	--	--	2	428	4	856	3	642
PINE ST	214	--	--	--	--	2	428	4	856	3	642
FLORA ST	214	--	--	--	--	2	428	4	856	3	642
S ST. AUGUSTINE ST	214	--	--	--	--	2	428	4	856	3	642
STH 160/W PULASKI ST	214	--	--	--	--	2	428	4	856	3	642
CHICAGO ST	214	--	--	--	--	2	428	4	856	3	642
ANTHONY LANE	214	--	--	--	--	2	428	4	856	3	642
SIDEWALK CLOSURES	214	--	--	24	5,136	--	--	--	--	12	2,568
PROJECT	10	--	--	--	--	--	--	--	--	--	--
UNDISTRIBUTED	214	50	10,700	--	--	10	2,140	20	4,280	5	1,070
TOTALS			10,700		5,136		9,416		18,832		15,836

*ADDITIONAL QUANTITIES LOCATED ELSEWHERE

SIGNS AND SUPPORTS

SIGN NO.	SIGN CODE	W	X	H	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT S-05-143 LS	COMMENTS
CAT 0010																
1-1	--	--	X	--	--	--	--	--	--	--	--	2	1	--	--	
1-2	R2-1	24	X	30	1	--	--	--	5.00	--	--	1	1	--	--	
1-3	R1-1	30	X	30	1	--	--	--	5.18	--	--	1	1	--	--	
1-4	W14-3	48	X	36	1	--	--	--	--	6.00	--	1	1	--	--	
1-5	W3-1	36	X	36	--	1	--	--	--	9.00	--	1	1	--	--	
1-6	R1-1	30	X	30	1	--	--	--	5.18	--	--	1	1	--	--	
1-7	R2-1	24	X	30	1	--	--	--	5.00	--	--	1	--	--	--	
1-8	J2-1	24	X	57	--	1	--	--	9.50	--	--	1	1	--	--	
1-9	J4-1	24	X	36	1	--	--	--	6.00	--	--	1	--	--	--	
1-10	R7-51R	18	X	24	1	--	--	--	3.00	--	--	1	--	--	--	EXISTING MOUNTED ON POWER POLE
1-11	R7-51L	18	X	24	1	--	--	--	3.00	--	--	1	--	--	--	EXISTING MOUNTED ON POWER POLE
1-12	R1-1	36	X	36	--	1	--	--	7.46	--	--	--	1	--	--	LED STOP SIGN TO BE REMOVED BY DOT
1-13	R1-3P	24	X	9	--	--	--	--	1.50	--	--	1	--	--	--	MOUNT ON SAME POST AS 1-12
1-14	R1-2	36	X	31	1	--	--	--	3.88	--	--	1	1	--	--	
1-15	R1-1	36	X	36	--	1	--	--	7.46	--	--	1	1	--	--	
1-16	R1-3P	24	X	9	--	--	--	--	1.50	--	--	1	--	--	--	MOUNT ON SAME POST AS 1-15
1-17	R1-1	30	X	30	--	1	--	--	5.18	--	--	1	1	--	--	
1-18	R1-3P	18	X	6	--	--	--	--	0.75	--	--	1	--	--	--	MOUNT ON SAME POST AS 1-17
1-19	J3-1	24	X	57	--	1	--	--	9.50	--	--	2	1	--	--	
1-20	R1-1	30	X	30	--	1	--	--	5.18	--	--	1	1	--	--	
1-21	R1-3P	18	X	6	--	--	--	--	0.75	--	--	1	--	--	--	MOUNT ON SAME POST AS 1-20
2-1	J3-1	24	X	57	--	1	--	--	9.50	--	--	3	1	--	--	
2-2	J4-1	24	X	36	1	--	--	--	6.00	--	--	1	--	--	--	
2-3	R2-1	24	X	30	1	--	--	--	5.00	--	--	1	--	--	--	
2-4	J2-1	24	X	57	--	1	--	--	9.50	--	--	3	--	--	--	
2-5	R1-1	30	X	30	1	--	--	--	5.18	--	--	1	1	--	--	
2-6	R2-1	24	X	30	1	--	--	--	5.00	--	--	1	1	--	--	
2-7	S1-1	36	X	36	--	--	1	--	--	9.00	--	1	1	--	--	
2-8	WF16-9P	24	X	8	--	--	--	--	--	1.33	--	--	--	--	--	MOUNT ON SAME POST AS 2-7
2-9	R2-6P	24	X	18	--	--	--	--	3.00	--	--	--	--	--	--	MOUNT ON SAME POST AS 2-8
2-10	J4-1	24	X	36	1	--	--	--	6.00	--	--	1	--	--	--	
2-11	R1-1	30	X	30	1	--	--	--	5.18	--	--	1	1	--	--	
2-12	R2-1	24	X	30	--	--	--	--	5.00	--	--	1	--	--	--	MOUNT ON LIGHT POLE
2-13	S5-2	24	X	30	--	--	--	--	5.00	--	--	--	--	--	--	MOUNT ON LIGHT POLE
2-14	J1-1	24	X	39	--	1	--	--	6.50	--	--	2	1	--	--	
2-15	S4-51	24	X	48	--	--	--	--	--	8.00	--	1	--	--	--	MOUNT ON LIGHT POLE
3-1	W3-1	36	X	36	--	--	--	--	--	9.00	--	1	--	--	--	MOUNT ON LIGHT POLE
3-2	R2-1	24	X	30	--	--	--	--	5.00	--	--	1	--	--	--	MOUNT ON LIGHT POLE
3-3	J2-2	48	X	57	--	--	--	--	19.00	--	--	3	--	--	--	MOUNT ON LIGHT POLE
3-4	J4-1	24	X	36	--	--	--	--	6.00	--	--	1	--	--	--	MOUNT ON LIGHT POLE
3-5	D1-3	66	X	36	--	--	--	--	16.50	--	--	1	--	--	--	MOUNT ON LIGHT POLE
3-6	R7-51L	18	X	24	--	--	--	--	3.00	--	--	1	--	--	--	MOUNT ON LIGHT POLE
3-7	D15-1	48	X	90	--	--	--	30.00	--	--	--	1	--	1	1	MOUNT ON S-05-143
3-8	R7-51R	18	X	24	1	--	--	--	3.00	--	--	1	1	--	--	
3-9	J13-1	24	X	45	--	1	--	--	7.50	--	--	2	1	--	--	
SUBTOTALS					16	11	1	30.00	215.88	42.33	--	51	21	1	1	

SIGNS AND SUPPORTS (CONTINUED)

SIGN NO.	SIGN CODE	W	X	H	634.0614 POSTS WOOD 4x6x14 EACH	634.0616 POSTS WOOD 4x6x16 EACH	634.0618 POSTS WOOD 4x6x18 EACH	637.1220 SIGNS TYPE I REFLECTIVE SH SF	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	638.3100 REMOVING STRUCTURAL STEEL SIGN SUPPORTS EACH	641.8100 OVERHEAD SIGN SUPPORT S-05-143 LS	COMMENTS
CAT 0010																
3-10	R1-2	36	X	31	1	--	--	--	3.88	--	--	1	1	--	--	
3-11	R1-1	36	X	36	--	1	--	--	7.46	--	--	1	1	--	--	BEACON TO BE REMOVED BY DOT
3-12	R1-3P	24	X	9	--	--	--	--	1.50	--	--	1	--	--	--	MOUNT ON SAME POST AS 3-11
3-13	R1-1	30	X	30	--	1	--	--	5.18	--	--	1	1	--	--	
3-14	R1-3P	18	X	6	--	--	--	--	0.75	--	--	1	--	--	--	MOUNT ON SAME POST AS 3-13
3-15	R1-1	36	X	36	--	1	--	--	7.46	--	--	1	1	--	--	
3-16	R1-3P	24	X	9	--	--	--	--	1.50	--	--	1	--	--	--	MOUNT ON SAME POST AS 3-15
3-17	S1-1	36	X	36	--	--	1	--	--	9.00	--	1	1	--	--	
3-18	S4-51	24	X	48	--	--	--	--	--	8.00	--	1	--	--	--	MOUNT ON SAME POST AS 3-17
3-19	R1-1	36	X	36	--	1	--	--	7.46	--	--	1	1	--	--	BEACON TO BE REMOVED BY DOT
3-20	R1-3P	24	X	9	--	--	--	--	1.50	--	--	1	--	--	--	MOUNT ON SAME POST AS 3-19
3-21	J3-2	48	X	57	--	1	--	--	19.00	--	--	6	1	--	--	
4-1	J4-1	24	X	36	1	--	--	--	6.00	--	--	1	1	--	--	
4-2	D1-2	72	X	30	--	--	--	--	15.00	--	--	1	1	--	--	MOUNT ON POWER POLE
4-3	R7-51L	18	X	24	--	--	--	--	3.00	--	--	1	--	--	--	MOUNT ON POWER POLE
4-4	R2-1	24	X	30	1	--	--	--	5.00	--	--	1	1	--	--	
4-5	W3-1	36	X	36	--	1	--	--	--	9.00	--	1	1	--	--	
4-6	J2-2	48	X	57	--	1	--	--	19.00	--	--	6	1	--	--	
4-7	W14-3	48	X	36	1	--	--	--	--	6.00	--	1	1	--	--	
4-8	--	--	X	--	--	--	--	--	--	--	--	1	1	--	--	
4-9	R1-1	30	X	30	1	--	--	--	5.18	--	--	1	1	--	--	
4-10	J1-1	24	X	39	1	--	--	--	6.50	--	--	1	1	--	--	
4-11	R2-1	24	X	30	--	--	--	--	5.00	--	--	1	--	--	--	MOUNT ON POWER POLE
4-12	R1-1	30	X	30	--	1	--	--	5.18	--	--	1	--	--	--	
4-13	R2-1	24	X	30	--	1	--	--	5.00	--	--	1	1	--	--	
4-14	S5-2	24	X	30	--	--	--	--	5.00	--	--	--	--	--	--	MOUNT ON SAME POST AS 4-12
4-15	R59-51	36	X	36	--	1	--	--	9.00	--	--	1	1	--	--	
4-16	--	--	X	--	--	--	--	--	--	--	--	1	1	--	--	
4-17	J4-1	24	X	36	--	1	--	--	6.00	--	--	2	1	--	--	
4-18	S4-51	24	X	48	--	1	--	--	--	8.00	--	1	1	--	--	
5-1	S1-1	36	X	36	--	--	1	--	--	9.00	--	1	1	--	--	
5-2	WF16-9P	24	X	8	--	--	--	--	--	1.33	--	--	--	--	--	MOUNT ON SAME POST AS 5-1
5-3	R2-6P	24	X	18	--	--	--	--	3.00	--	--	--	--	--	--	MOUNT ON SAME POST AS 5-1
5-4	R2-1	24	X	30	1	--	--	--	5.00	--	--	1	1	--	--	
5-5	R2-1	24	X	30	1	--	--	--	5.00	--	--	1	1	--	--	
5-6	--	--	X	--	1	--	--	--	--	--	1	--	--	--	--	PULASKI TRUCK ROUTE SIGN
5-7	D2-2	66	X	24	--	2	--	--	11.00	--	--	1	2	--	--	
5-8	I2-2	66	X	15	--	2	--	--	6.88	--	--	1	2	--	--	
5-9	I2-2	54	X	15	--	--	--	--	5.63	--	--	1	--	--	--	MOUNT ON BACK OF 5-7
5-10	I2-3	66	X	24	--	--	--	--	11.00	--	--	1	--	--	--	MOUNT ON BACK OF 5-7
5-11	I55-56	30	X	36	--	1	--	--	7.50	--	--	1	1	--	--	
5-12	R2-1	24	X	30	1	--	--	--	5.00	--	--	1	1	--	--	
5-13	R2-1	24	X	30	1	--	--	--	5.00	--	--	1	1	--	--	
6-1	R10-64	30	X	36	--	--	1	--	7.50	--	--	1	1	--	--	
6-2	--	--	X	--	--	--	--	--	--	--	1	--	--	--	--	PULASKI PARKING ORDNANCE
6-3	W3-5	36	X	36	--	1	--	--	--	9.00	--	1	1	--	--	
7-1	I55-56	30	X	36	--	1	--	--	7.50	--	--	1	1	--	--	
7-2	I55-56	30	X	36	--	1	--	--	7.50	--	--	1	1	--	--	
SUBTOTALS					11	20	3	--	238.05	59.33	2	54	35	--	--	
TOTALS					27	31	4	30.00	453.93	101.67	2	105	56	1	1	

TRAFFIC CONTROL DETOUR ITEMS

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	APPROX. SERVICE PERIOD DAYS	*643.0420 BARRICADES TYPE III No.	*643.0420 BARRICADES TYPE III DAYS	*643.0705 WARNING LIGHTS TYPE A NO.	*643.0705 WARNING LIGHTS TYPE A DAYS	643.0920 COVERING SIGNS TYPE II EACH	643.1000 SIGNS FIXED MESSAGE NO.	643.1000 SIGNS FIXED MESSAGE DAYS	*643.1050 SIGNS PCMS NO.	*643.1050 SIGNS PCMS DAYS	643.3000 DETOUR SIGNS NO.	643.3000 DETOUR SIGNS DAYS	COMMENTS
CAT 0010																
1	ACROSS FROM NB NO PASSING PENNANT	W-20-2-A	48"x48"	214	--	--	--	--	--	--	--	--	--	1	214	
2	LT OF J1-1 (JCT B)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M5-1-R	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	
3	LT OF J13-1 (B-DBL ARROW)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	RIGHT
4	NE QUAD OF STH 32 & CTH B INTERSECTION	R11-2	48"x30"	214	1	214	2	428	--	--	--	--	--	1	214	
5	LT OF SPEED LIMIT SIGN (35)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
6	MODIFY J1-1 (JCT 32)	M4-8-A	24"x18"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	EXISTING	--	--	--	--	--	--	--	--	--	--	--	--	
7	1 1/4 MILE E OF STH 32 & CTH B INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
8	1 1/4 MILE E OF STH 32 & CTH B INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
9	250' E OF CTH B & BROOKSIDE DR (SOUTH) INTERS	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
10	250' W OF CTH B & BROOKSIDE DR (SOUTH) INTERS	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
11	LT OF J1-1 (JCT C)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	AHEAD
12	LT OF J2-2 (B-AH, C-AH & RT)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	AHEAD
13	LT OF J2-2 (C-RT, B-AH)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	AHEAD
14	250' E OF CTH B & CTH C (SOUTH) INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	AHEAD
15	LT OF J2-1 (C-AH RT)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M5-1-L	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	
16	RT OF J2-2 (C-RT, B-AH)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
SUBTOTALS						214		428	0		0		0		10,486	

TRAFFIC CONTROL DETOUR ITEMS (CONTINUED)

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	APPROX. SERVICE PERIOD DAYS	*643.0420 BARRICADES TYPE III No.	*643.0420 BARRICADES TYPE III DAYS	*643.0705 WARNING LIGHTS TYPE A NO.	*643.0705 WARNING LIGHTS TYPE A DAYS	643.0920 COVERING SIGNS TYPE II EACH	643.1000 SIGNS FIXED MESSAGE NO.	643.1000 SIGNS FIXED MESSAGE DAYS	*643.1050 SIGNS PCMS NO.	*643.1050 SIGNS PCMS DAYS	643.3000 DETOUR SIGNS NO.	643.3000 DETOUR SIGNS DAYS	COMMENTS
CAT 0010																
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	LEFT
17	250' N OF CTH B & CTH C INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
18	RT OF J2-2 (B-DBL ARROW, C-RT)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	RIGHT
19	RT OF J1-1 (JCT B)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M5-1-R	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	
20	250' N OF CTH C & COUNTY LINE RD INTERS	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
21	250' S OF CTH C & COUNTY LINE RD INTERS	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
22	250' N OF CTH C & CHASE RD INTERS	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
23	250' S OF CTH C & CHASE RD INTERS	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
24	250' N OF CTH C & FAGER LANE INTERS	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
25	250' S OF CTH C & POTTS LANE INTERS	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
26	LT OF J1-1 (JCT S)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M5-1-L	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	
27	ACROSS FROM # 26	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
28	RT OF J2-2 (C-AH, S-DBL ARROW)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	LEFT
28A	200' W OF CTH S & CTH C INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
29	RT J2-2 (C-DBL ARROW, S AH)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	RIGHT
30	RT OF J1-1 (JCT C)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
SUBTOTALS						0		0	0		0		0		10,700	

TRAFFIC CONTROL DETOUR ITEMS (CONTINUED)

SIGN NO.	LOCATION	SIGN CODE	SIZE W X H	APPROX. SERVICE PERIOD DAYS	*643.0420 BARRICADES TYPE III No.	*643.0420 BARRICADES TYPE III DAYS	*643.0705 WARNING LIGHTS TYPE A NO.	*643.0705 WARNING LIGHTS TYPE A DAYS	643.0920 COVERING SIGNS TYPE II EACH	643.1000 SIGNS FIXED MESSAGE NO.	643.1000 SIGNS FIXED MESSAGE DAYS	*643.1050 SIGNS PCMS NO.	*643.1050 SIGNS PCMS DAYS	643.3000 DETOUR SIGNS NO.	643.3000 DETOUR SIGNS DAYS	COMMENTS
CAT 0010																
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M5-1-R	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	
31	200' W OF CTH S & SCHWARTZ RD. INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
32	200' E OF CTH S & SCHWARTZ RD. INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
33	200' W OF CTH S & JAWORSKI RD. INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
34	200' E OF CTH S & JAWORSKI RD. INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
35	200' W OF CTH S & YUREK RD INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-1	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
36	200' E OF CTH S & YUREK RD INTERSECTION	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
37	MODIFY J2-2 (JCT 32, END S)	M4-8-A	24"x18"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	EXISTING	--	--	--	--	--	--	--	--	--	--	--	--	
38	ACROSS FROM # 37	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
39	MODIFY J2-1 (32 - DBL ARROW)	M1-6	EXISTING	--	--	--	--	--	--	--	--	--	--	--	--	
		M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	RIGHT
40	SW QUAD OF STH 32 & CTH S INTERSECTION	R-11-3	60"x30"	214	1	214	2	428	--	--	--	--	--	1	214	3 MILES
41	RT OF J2-1 (S-LT ARROW)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M6-1	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	LEFT
42	RT OF J1-1 (JCT S)	M4-8	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M3-3	24"x12"	214	--	--	--	--	--	--	--	--	--	1	214	
	"	M1-6	24"x24"	214	--	--	--	--	--	--	--	--	--	1	214	32
	"	M5-1-L	21"x21"	214	--	--	--	--	--	--	--	--	--	1	214	
43	750' N OF SIGN # 42	W20-2-A	48"x48"	214	--	--	--	--	--	--	--	--	--	1	214	
44	COVER J13-1 (32)	--	--	--	--	--	--	--	1	--	--	--	--	--	--	
45	100' E OF D1-3 (AH-SHAWANO/PULASKI; GREEN BAY RT)	FMS	7'0"x4'0"	--	--	--	--	--	--	--	28.00	--	--	--	--	SEE SIGN DETAIL
46	100' E OF D1-3 (AH-PULASKI; LT SHAWANO)	FMS	7'0"x4'0"	--	--	--	--	--	--	--	28.00	--	--	--	--	SEE SIGN DETAIL
47	FIELD LOCATED (SB DIRECTION)	--	--	10	--	--	--	--	--	--	--	1	7	--	--	
48	FIELD LOCATED (SB DIRECTION)	--	--	10	--	--	--	--	--	--	--	1	7	--	--	
SUBTOTALS						214		428	1		56.00		14		7,490	
TOTALS						428		856	1		56.00		14		28,676	

*ADDITIONAL QUANTITIES LOCATED ELSEWHERE

PAVEMENT MARKING EPOXY

STATION	LOCATION	646.0106 4-INCH WHITE LF	646.0106 4-INCH YELLOW LF	646.0126 8-INCH WHITE LF	COMMENTS
CAT 0010					
1+00 - 12+50	RT & LT	2,110	1,155	--	
12+50 - 36+40	RT & LT	--	1,985	350	
36+40 - 51+75	RT & LT	--	820	--	
51+75 - 72+35	RT & LT	4,130	515	--	
72+35 - 88+60	RT & LT	3,260	410	--	
198+23 - 199+77	RT & LT	--	180	--	WILLIAMS ST
249+07 - 249+77	RT & LT	--	75	--	SUMMIT ST
298+45 - 299+92	RT & LT	--	235	--	E PULASKI ST
499+35 - 499+75	RT & LT	--	30	--	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	--	45	--	STH 160/W PULASKI ST
698+75 - 699+64	RT & LT	--	150	--	CHICAGO ST
TOTALS		9,500	5,600	350	
			15,100		

PAVEMENT MARKING ARROWS AND WORDS

STATION	LOCATION	647.0166 ARROWS EPOXY TYPE 2 EACH	647.0356 WORDS EPOXY EACH	COMMENTS
CAT 0010				
13+31	LT	1	--	
14+00	LT	--	1	ONLY
14+43	LT	1	--	
34+44	RT	1	--	
34+94	RT	--	1	ONLY
35+48	RT	1	--	
TOTALS		4	2	

CURB MARKING PAINT

STATION	LOCATION	647.0453 (YELLOW) LF	COMMENTS
CAT 0010			
1+00 - 12+50	RT & LT	290	
12+50 - 36+40	RT & LT	995	
36+40 - 51+75	RT & LT	530	
51+75 - 72+35	RT & LT	82	
198+23 - 199+77	RT & LT	63	WILLIAMS ST
249+07 - 249+77	RT & LT	57	SUMMIT ST
298+45 - 299+92	RT & LT	174	E PULASKI ST
350+14 - 353+20	RT & LT	72	N WISCONSIN ST
398+62 - 399+79	RT & LT	60	PINE ST
449+04 - 449+79	RT & LT	60	FLORA ST
499+35 - 499+75	RT & LT	53	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	64	STH 160/W PULASKI ST
598+57 - 599+79	RT & LT	60	CHICAGO ST
TOTAL		2,560	

PAVEMENT MARKING STOP LINE EPOXY

STATION	LOCATION	647.0566 18-INCH (WHITE) LF	COMMENTS
CAT 0010			
199+56	RT	20	WILLIAMS ST
249+63	RT	15	SUMMIT ST
12+27	RT	20	STH 32/S WISCONSIN ST
299+62	RT	17	PULASKI ST
350+50	LT	39	N WISCONSIN ST
13+11	LT	15	STH 32/PULASKI ST
399+66	RT	19	PINE ST
449+66	RT	16	FLORA ST
35+68	RT	14	STH 32/PULASKI ST
499+59	RT	22	ST. AUGUSTINE ST
550+48	LT	21	STH 160/PULASKI ST
36+71	LT	19	STH 32/ST. AUGUSTINE ST
599+66	RT	18	CHICAGO ST
TOTAL		255	

PAVEMENT MARKING CROSSWALK EPOXY

STATION	LOCATION	647.0776 12-INCH LF	COMMENTS
CAT 0010			
4+26	LT&RT	56	STH 32/S WISCONSIN ST
199+72	LT&RT	96	WILLIAMS ST
5+00	LT&RT	55	STH 32/S WISCONSIN ST
8+21	LT&RT	59	STH 32/S WISCONSIN ST
249+70	LT&RT	72	SUMMIT ST
8+75	LT&RT	58	STH 32/S WISCONSIN ST
12+34	LT&RT	135	STH 32/S WISCONSIN ST
299+70	LT&RT	74	PULASKI ST
350+25	LT&RT	135	N WISCONSIN ST
13+90	LT&RT	87	STH 32/PULASKI ST
18+24	LT&RT	57	STH 32/PULASKI ST
399+73	LT&RT	86	PINE ST
19+15	LT&RT	56	STH 32/PULASKI ST
26+24	LT&RT	56	STH 32/PULASKI ST
449+73	LT&RT	76	FLORA ST
27+04	LT&RT	57	STH 32/PULASKI ST
35+61	LT&RT	41	STH 32/PULASKI ST
37+75	LT&RT	70	STH 32/PULASKI ST
499+65	LT&RT	90	ST. AUGUSTINE ST
551+60	LT&RT	95	STH 160/PULASKI ST
36+64	LT&RT	121	STH 32/ST. AUGUSTINE ST
43+82	LT&RT	56	STH 32/ST. AUGUSTINE ST
599+73	LT&RT	86	CHICAGO ST
44+76	LT&RT	56	STH 32/ST. AUGUSTINE ST
TOTAL		1,830	

CONSTRUCTION STAKING ITEMS

STATION	LOCATION	650.4000 STORM SEWER EACH	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.6000 PIPE CULVERTS EACH	650.9910 SUPPLEMENTAL CONTROL LS	650.9920 SLOPE STAKES LF	COMMENTS
CAT 0010									
1+00 - 12+50	RT & LT	28	1,150	1,150	2,190	--	--	1,150	
12+50 - 36+40	RT & LT	46	2,390	2,390	4,505	--	--	2,390	
36+40 - 51+75	RT & LT	37	1,535	1,535	3,049	--	--	1,535	
51+75 - 72+35	RT & LT	37	2,060	2,060	4,100	--	--	2,060	
72+35 - 88+60	RT & LT	--	1,625	1,625	--	1	--	1,625	
198+23 - 199+77	RT & LT	4	154	154	315	--	--	154	WILLIAMS ST
249+07 - 249+77	RT & LT	5	70	70	145	--	--	70	SUMMIT ST
298+45 - 299+92	RT & LT	5	147	147	295	--	--	147	E PULASKI ST
350+14 - 353+20	RT & LT	6	306	306	85	--	--	306	N WISCONSIN ST
398+62 - 399+79	RT & LT	5	117	117	242	--	--	117	PINE ST
449+04 - 449+79	RT & LT	5	75	75	157	--	--	75	FLORA ST
499+35 - 499+75	RT & LT	5	40	40	85	--	--	40	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	4	60	60	110	--	--	60	STH 160/W PULASKI ST
598+57 - 599+79	RT & LT	5	122	122	257	--	--	122	CHICAGO ST
698+75 - 699+64	RT & LT	--	89	89	75	--	--	89	FUTURE ROAD TO INDUSTRIAL PARK
DRIVEWAYS	--	--	--	--	--	--	--	--	
PROJECT		--	--	--	50	--	1	--	
TOTALS		192	9,940	9,940	15,660	1	1	9,940	

TEMPORARY PAVEMENT MARKING

STATION	LOCATION	649.0100 4-INCH LF	649.1100 STOP LINE 18-INCH LF	COMMENTS
CAT 0010				
1+00 - 12+50	RT & LT	1,130	20	
298+45 - 299+92	RT & LT	120	17	E PULASKI ST
TOTALS		1,250	37	

SAWING ITEMS

STATION	LOCATION	690.0150 ASPHALT LF	690.0250 CONCRETE LF	COMMENTS
CAT 0010				
1+00 - 12+50	RT & LT	467	230	
12+50 - 36+40	RT & LT	670	325	
36+40 - 51+75	RT & LT	690	260	
51+75 - 72+35	RT & LT	75	--	
72+35 - 88+60	RT & LT	67	--	
198+23 - 199+77	RT & LT	39	52	WILLIAMS ST
249+07 - 249+77	RT & LT	30	14	SUMMIT ST
298+45 - 299+92	RT & LT	245	70	E PULASKI ST
350+14 - 353+20	RT & LT	539	--	N WISCONSIN ST
398+62 - 399+79	RT & LT	36	42	PINE ST
449+04 - 449+79	RT & LT	116	10	FLORA ST
499+35 - 499+75	RT & LT	81	22	S ST. AUGUSTINE ST
550+23 - 550+83	RT & LT	54	15	STH 160/W PULASKI ST
598+57 - 599+79	RT & LT	36	35	CHICAGO ST
TOTALS		3,145	1,075	

STRAPPING C-5-98

LOCATION	SPV.0060.05 EACH
CAT 0010	
C-5-98	1
TOTAL	1

STREET SWEEPING

LOCATION	SPV.0075.01 HRS
CAT 0010	
UNDISTRIBUTED	50
TOTAL	50

SALVAGE AND REPLACE BRICK PAVERS

STATION	LOCATION	SPV.0165.02 SF
CAT 0010		
30+00	LT	36
TOTAL		36

ADJUSTING WATER SERVICE CURB STOP

STATION	SPV.0060.06 EACH
CAT 0030	
PROJECT	45
TOTAL	45

ADJUSTING WATER VALVE BOX

STATION	SPV.0060.07 EACH
CAT 0030	
PROJECT	32
TOTAL	32

ADJUSTING SANITARY MANHOLE COVER

STATION	SPV.0060.08 EACH
CAT 0030	
PROJECT	29
TOTAL	29

RECONNECT EXISTING STORM SEWER LATERAL AND RESIDENTIAL STORM SEWER LATERAL ITEMS

STATION	LOCATION	SPV.0060.04 RECONNECT EXISTING STORM SEWER LATERAL EACH	SPV.0090.03 RESIDENTIAL STORM SEWER LATERAL LF	COMMENTS
CAT 0010				
1+15	RT	1	10	CONNECT TO 97A
1+50	LT	1	10	CONNECT TO 95F
2+65	RT	1	10	CONNECT TO 95A
15+59	LT	1	12	CONNECT TO 35A
40+36	LT	1	11	CONNECT TO 175H
52+00	LT	2	23	CONNECT TO 350A
CAT 0010 SUBTOTALS		7	76	
CAT 0030				
47+85	LT	--	10	CONNECT TO 360E
48+50	LT	--	10	CONNECT TO 360D
49+00	LT	--	10	CONNECT TO 360C
51+00	LT	--	10	CONNECT TO 355A
52+90	LT	--	50	CORE INTO STORM SEWER MAIN - 24" SSPRC
54+65	LT	--	25	CONNECT TO 345A
56+65	LT	--	35	CONNECT TO 330A
CAT 0030 SUBTOTALS		0	150	
TOTALS		7	226	

DIVERSION CHANNEL

STATION	LOCATION	SPV.0090.04 LF	COMMENTS
CAT 0010			
79+10	LT & RT	165	C-58-30
TOTAL		165	

R/W PROJECT NUMBER	SHEET NUMBER	TOTAL SHEETS
9190-13-21		
FEDERAL PROJECT NUMBER	4.01	4.10

PLAT OF RIGHT-OF-WAY REQUIRED FOR

VILLAGE OF PULASKI

GREEN BAY ST. - COUNTY LINE

STH 32 BROWN CO.

CONSTRUCTION PROJECT NUMBER

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	REFERENCE LINE	R/L
ACCESS RIGHTS	AR	RELEASE OF RIGHTS	ROR
ACRES	AC.	REMAINING	REM.
AND OTHERS	ET.AL.	RIGHT-OF-WAY	R/W
CENTERLINE	C/L	SECTION	SEC.
CERTIFIED SURVEY MAP	CSM	STATION	STA.
CORNER	COR.	TEMPORARY LIMITED EASEMENT	TLE
DOCUMENT	DOC.	VOLUME	V.
EASEMENT	EASE.	**CURVE DATA**	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN — LS (1" UNLESS NOTED)

R/W MONUMENT — ○ •(SET)

R/W STANDARD — △ •(SET)

SIGN — SIGN

SECTION CORNER MONUMENT

SECTION CORNER SYMBOL

FEE (HATCH VARIES)

TEMPORARY LIMITED EASEMENT

PERMANENT LIMITED EASEMENT

R/W BOUNDARY POINT — RWB20

PARCEL NUMBER — 102

UTILITY PARCEL NUMBER — 92

SIGN NUMBER (OFF PREMISE) — 21

BUILDING

PROPOSED R/W LINE

EXISTING H.E. LINE

PROPERTY LINE

LOT & TIE LINES

SLOPE INTERCEPTS

CORPORATE LIMITS

ACCESS RESTRICTED (BY PREVIOUS PROJECT/CONTROL)

ACCESS RESTRICTED (BY ACQUISITION)

NO ACCESS (BY STATUTORY AUTHORITY)

SECTION LINE

QUARTER LINE

SIXTEENTH LINE

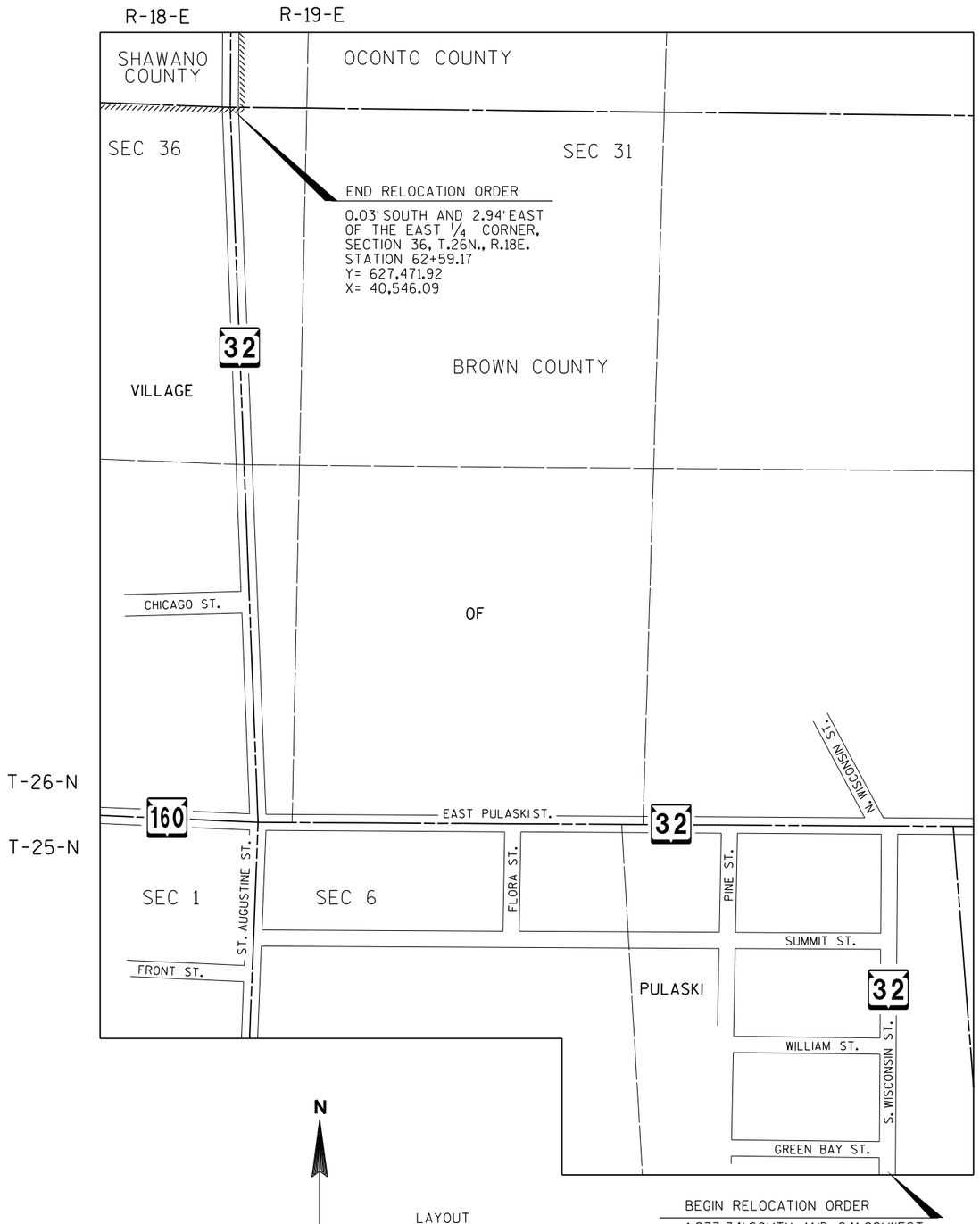
EXISTING CENTERLINE

PROPOSED REFERENCE LINE

PARALLEL OFFSET

CONVENTIONAL UTILITY SYMBOLS

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



TOTAL NET LENGTH OF CENTERLINE = 1.185 MI.

NOTES

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD1983 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1"X24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

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

FOR CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE WISCONSIN DEPARTMENT OF TRANSPORTATION REGION OFFICE IN GREEN BAY.

ORIGINAL PLAT PREPARED BY

GRAEF

1150 Springhurst Drive,
Suite 201
Green Bay, WI 54304-5950
920 / 592 9440
920 / 592 9445 fax
www.graef-usa.com

WISCONSIN — MICHAEL C. JENSEN S-1746 WALPACA, WI — LAND SURVEYOR

2-28-2013 (Date) (Signature)

REVISION DATE
4-29-2013

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED FOR THE DEPARTMENT

DATE: 3-1-2013 H Bruce Endl (Signature)

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Brown Co\RW Plat\040101_rt.dgn PLOT DATE : 4/29/2013 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 50

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			T.L.E. SQ. FT.	H.E. ACRES	PARCEL NUMBER
				NEW	EXISTING	TOTAL			
1	4.06	ANDREW J. VAN DEN ELZEN	TLE	---	---	---	1,103	---	1
2	4.06	SUSAN E. NACHTWEY	TLE	---	---	---	1,916	---	2
3	4.06	DONALD P. VOGT & LINDA M. VOGT	TLE	---	---	---	686	---	3
4	4.06	JONATHAN STENDER & TANYA LASEE	TLE	---	---	---	337	---	4
5	4.06	BRIAN F. & ROSE M. EFFERT	TLE	---	---	---	948	---	5
6	4.06	REBECCA L. DeMILLE	TLE	---	---	---	674	---	6
7	4.06	ATNA DEVELOPMENT LLC.	FEE & TLE	219	---	219	2,372	---	7
8	4.06	GARY KOZICKI	TLE	---	---	---	150	---	8
9	4.06	ESTATE OF JEROME H. KOZICKI & IRENE R. KOZICKI	TLE	---	---	---	300	---	9
10	4.06	GARY KOZICKI	TLE	---	---	---	300	---	10
11	4.06	MARQUIS YACHTS, LLC.	TLE	---	---	---	600	---	11
12	4.06	KEVIN & MICHELE F. KUBIAK	TLE	---	---	---	450	---	12
13	4.06	RONALD P. LaROCK & SUZANNE R. GIBSON	TLE	---	---	---	700	---	13
14	4.06	SANDRA BIERHALS	TLE	---	---	---	300	---	14
15	4.06	TAMMY L. DEUTSCHER	TLE	---	---	---	225	---	15
16	4.06	ESTATE OF DELORES J. LEWIS	TLE	---	---	---	525	---	16
17	4.06	CRYSTAL M. CIEZKI	TLE	---	---	---	320	---	17
18	4.06	WESLEY A. SCHUBERT	TLE	---	---	---	170	---	18
19	4.06	DAVID, RICHARD,AND DONALD BOROWSKI, KATHLEEN VANDE HEI, AND JEAN NERAD	TLE	---	---	---	447	---	19
20	4.06 & 4.07	WISCONSIN DEPARTMENT OF NATURAL RESOURCES	TLE	---	---	---	5,010	---	20
21	4.06	RSOJLO PROPERTIES, LLC	FEE & TLE	8	---	8	980	---	21
22	4.07	ALL WASHED UP, LLC.	TLE	---	---	---	300	---	22
23	4.07	McDERMID REALTY PARTNERSHIP, LLP.	TLE	---	---	---	27	---	23
24	4.07	WISCONSIN ELECTRIC POWER COMPANY	TLE	---	---	---	629	---	24
25	4.07	MARQUIS YACHTS, LLC.	FEE & TLE	532	---	532	3,371	---	25
26	4.07	MARGARET ADASIEWICZ	TLE	---	---	---	337	---	26
27	4.07	MARK & PATRICIA FEMLING	TLE	---	---	---	848	---	27
28	4.07	DAVID A. & SHERRI L. OLSON	TLE	---	---	---	1,168	---	28
29	4.07	AMY J. ANGELI	TLE	---	---	---	1,138	---	29
30	---	---	---	---	---	---	---	---	30
31	4.07	DOROTHY PEPLINSKI TRUSTEE	FEE & TLE	88	---	88	783	---	31
32	4.08	VILLAGE OF PULASKI	TLE	---	---	---	785	---	32
33	4.08	DAVID BOROWSKI	TLE	---	---	---	300	---	33
34	4.08	GEGORY P. & JANICE M. SMURAWA	TLE	---	---	---	532	---	34
35	4.07,4.08,4.09,4.10	FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.	FEE & TLE	18,933	---	18,933	20,024	---	35
36	4.08	SCOTT D. & PAMELA JANSSEN	TLE	---	---	---	1,299	---	36

4

4

REVISION DATE
4-29-2013

DATE 2-28-2013

SCALE. FEET
0 N/A

HWY: STH 32

COUNTY: BROWN

STATE R/W PROJECT NUMBER 9190-13-21

CONSTRUCTION PROJECT NUMBER

PLAT SHEET 4.02

PS&E SHEET 133

E

SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

PARCEL NUMBER	SHEET NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQUARE FEET REQUIRED			T.L.E. SQ. FT.	H.E. ACRES	PARCEL NUMBER
				NEW	EXISTING	TOTAL			
37	4.08	F&M BANK NORTHEAST	TLE	---	---	---	1,095	---	37
38	4.08	THE CONGREGATION OF THE ASSUMPTION BVM	TLE	---	---	---	1,322	---	38
39	4.08	VANDENBUSH ENTERPRISES, LLC.	TLE	---	---	---	469	---	39
40	4.08	RICHARD T. KUEHN	TLE	---	---	---	22	---	40
41	4.08	NORTHEAST COMMUNICATION OF WISCONSIN	TLE	---	---	---	250	---	41
42	4.08	BRADLEY P. AMBROSIUS	FEE & TLE	13	---	13	485	---	42
43	4.09	VILLAGE OF PULASKI	FEE & TLE	204	---	204	1,057	---	43
44	4.09	RONALD A. & MELISSA R. MADLEM	TLE	---	---	---	206	---	44
45	4.09	PULASKI PROPERTIES, LLC	TLE	---	---	---	146	---	45
46	4.09	ROBERT & TRUDY WIED	TLE	---	---	---	200	---	46
47	4.09	AMERICAN LEGION POST 337 ADAM V. MIXTOCKI	TLE	---	---	---	864	---	47
48	4.08	PROPERTY SOURCE LLC	TLE	---	---	---	300	---	48
49	4.09	KIM A. WOZNIAK	TLE	---	---	---	439	---	49
50	---	---	---	---	---	---	---	---	50
51	4.09	FLORENCE J. YUREK	TLE	---	---	---	300	---	51
52	4.09	ANDREW M. THOMAS	TLE	---	---	---	675	---	52
53	4.09	FRONTIER SAVINGS ASSOCIATION	TLE	---	---	---	1,650	---	53
54	4.09	ERICK & ANNE MARIE FINKE	TLE	---	---	---	1,154	---	54
55	4.09	GRANT I. WOJTA	TLE	---	---	---	601	---	55
56	4.09	ROBERT & PHYLLIS BETLEY	TLE	---	---	---	2,745	---	56
57	4.09	ROBERT J. & DENISE L. WILLIS	TLE	---	---	---	1,838	---	57
58	4.10	CONGREGATION OF THE HOLY CROSS OF PULASKI, WI.	TLE	---	---	---	1,630	---	58
59	4.10	CHRISTOPHER G. & AMY J. JACOBS	TLE	---	---	---	69	---	59
60	---	---	---	---	---	---	---	---	60
61	4.10	JOSEPH M. ULLMER	TLE	---	---	---	602	---	61
62	4.10	ARLIN F. & GLORIA J. POLCZINSKI	TLE	---	---	---	700	---	62
63	4.10	JAMES E. HELMS & EDITH L. HELMS	TLE	---	---	---	409	---	63
64	4.10	SMP ENTERPRISES, LLC.	FEE & TLE	1,240	---	1,240	1,679	---	64
65	---	---	---	---	---	---	---	---	65
66	4.10	COUNTRY CARE PROPERTIES, LLC.	FEE	7,806	---	7,806	---	---	66
200	4.06-4.10	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS	---	---	---	---	---	200
201	4.07-4.10	NORTHEAST TELEPHONE CO., LLC	RELEASE OF RIGHTS	---	---	---	---	---	201
202	4.09,4.10	NET CABLE	RELEASE OF RIGHTS	---	---	---	---	---	202
203	4.06, 4.09, 4.10	VILLAGE OF PULASKI (SANITARY)	RELEASE OF RIGHTS	---	---	---	---	---	203
204	4.09, 4.10	VILLAGE OF PULASKI (WATER)	RELEASE OF RIGHTS	---	---	---	---	---	204
206	4.06,4.07	WINDSTREAM KDL, INC. (FIBER OPTIC CABLE)	RELEASE OF RIGHTS	---	---	---	---	---	206

4

4

REVISION DATE
4-29-2013 NC

DATE 2-28-2013

SCALE: FEET
0 N/A

HWY: STH 32

COUNTY: BROWN

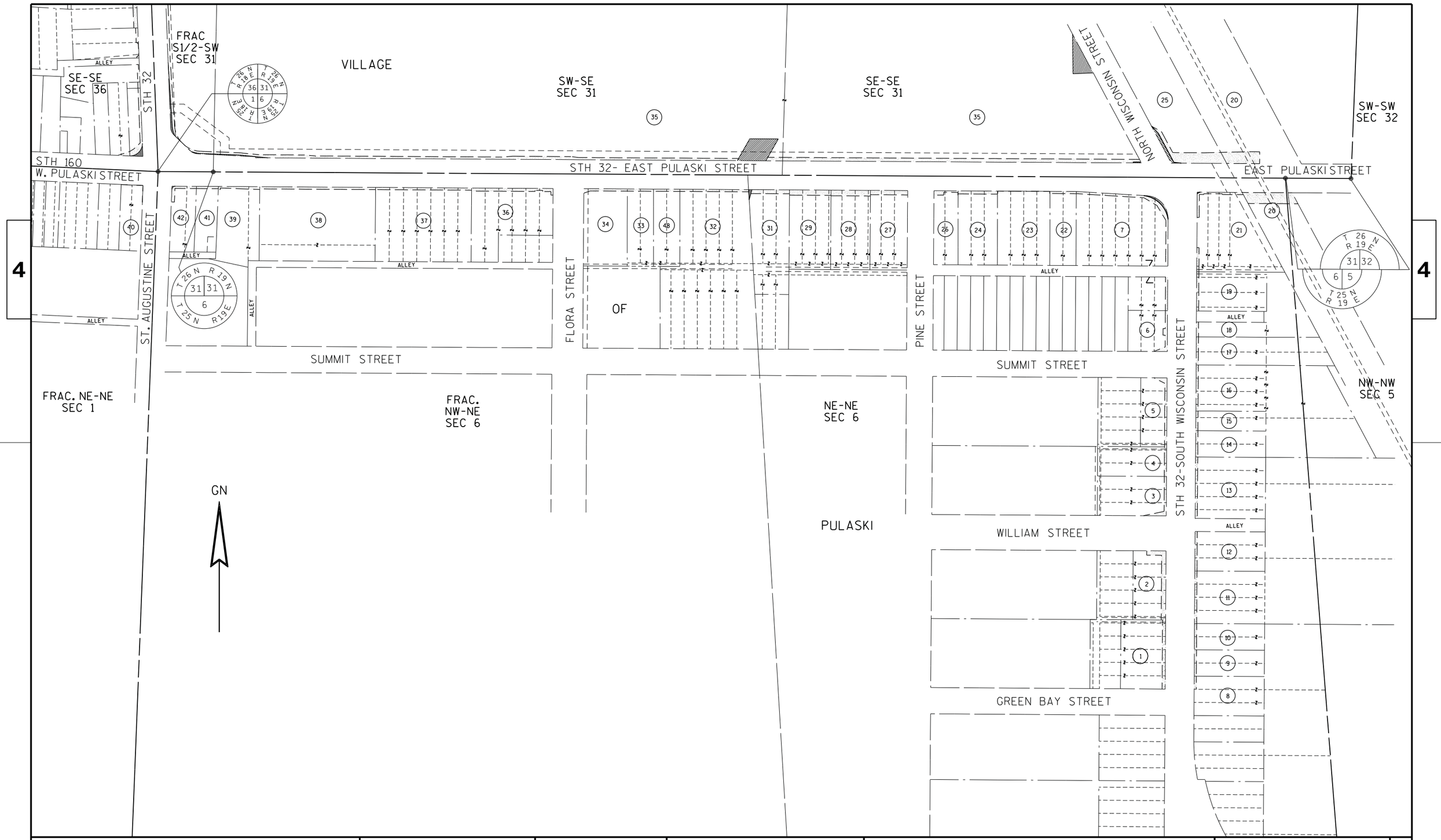
STATE R/W PROJECT NUMBER 9190-13-21

CONSTRUCTION PROJECT NUMBER

PLAT SHEET 4.03

PS&E SHEET 134

E



REVISION DATE 4-29-2013	DATE 2-28-2013	NOT TO SCALE	HWY: STH 32	STATE R/W PROJECT NUMBER 9190-13-21	PLAT SHEET 4.04
			COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET 135 E

4

4

ALLEY

SE-SE
SEC 36

MAIN STREET

FRAC. NE-NE
SEC 1

STH 160-WEST PULASKI STREET

VILLAGE

CHICAGO STREET

NE-SE
SEC 36

43 44 45 46 47 49 51 52 53 54 55 56 57 58 59 61 62 63 64

ALLEY

ALLEY

ST. AUGUSTINE STREET

STH 32-ST. AUGUSTINE STREET

T 25 N R 19 E 6 T 26 N R 19 E 31 31

T 25 N R 18 E 1 T 26 N R 18 E 36 31

FRAC
S1/2-SW
SEC 31

35

66

35

FRAC
N1/2-SW
SEC 31

T 26 N R 18 E 36 31 T 26 N R 19 E

OF

SW-SE
SEC 31

NW-SE
SEC 31

FRAC.
NW-NE
SEC 6

STH 32-EAST PULASKI STREET

PULASKI

GN

FLORA STREET

REVISION DATE 4-29-2013 NC	DATE 2-28-2013	NOT TO SCALE	HWY: STH 32	STATE R/W PROJECT NUMBER 9190-13-21	PLAT SHEET 4.05
			COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET 136 E

PI 145+45.57
Y=623,619.31
X=42,521.88

PI 194+91.21
Y=624,005.59
X=42,469.94

PI 245+93.20
Y=624,389.29
X=42,574.33

R/L PI 26+67.93
Y=624,818.99
X=41,587.41

Y=624,827.87
X=40,646.11
NAIL

VILLAGE

BLOCK 9

BLOCK 6

BLOCK 5

BLOCK 2

BLOCK 1

PEPLINSKI'S ADDITION

PARCEL 21

COURSE	BEARING	DISTANCE
7001-9063	S 89°39'50" E	2,370.73'
9063-8179	S 00°21'32" W	33.20'
8179-9020	S 00°21'32" W	3.72'
-	C52	-
9018-8179	N 89°40'14" W	7.54'

PARCEL 7

COURSE	BEARING	DISTANCE
7001-9062	S 89°39'50" E	2,248.57'
9062-9022	S 00°20'10" W	41.51'
9022-8310	S 86°32'25" E	7.76'
-	C16	-
8309-8308	S 11°14'08" E	8.25'
8308-9021	S 00°21'32" W	5.05'
-	C53	-

S 89°44'00" E
S 89°37'45" E
S 89°34'42" E
S 89°41'19" E
S 89°36'33" E
S 89°38'41" E
S 89°39'41" E
S 89°39'50" E
N 89°40'14" W
N 86°32'25" W

GREEN BAY STREET
WILLIAM STREET
SUMMIT STREET
ALLEY
EAST PULASKI STREET STH 32
REFERENCE LINE BEARING
SECTION LINE 16+00

BEGIN RELOCATION ORDER
STA. 0+00.00
Y= 623,539.45'
X= 42,975.81

STA. 0+77.75 STH 32
STA. 150+00.00 GREEN BAY STREET

STA. 04+62.41 STH 32
STA. 200+00.00 WILLIAMS STREET

STA. 08+47.08 STH 32
STA. 250+00.00 SUMMIT STREET

PISTA. 12+71.54 STH 32
STA. 300+00.00 PULASKI STREET
Y=624,810.96
X=42,983.78

STH 32-SOUTH WISCONSIN STREET

N 00°21'32" E

ANDREW J. VAN DEN ELZEN
SUSAN E. NACHTWEY
DONALD P. VOGT & LINDA M VOGT
JONATHAN STENDER & TANYA LASEE
BRIAN F. & ROSE M. EFFERT
REBECCA L. DeMILLE
ATNA DEVELOPMENT, LLC.
GARY KOZICKI
ESTATE OF JEROME H. KOZICKI & IRENE R. KOZICKI
GARY KOZICKI
MAROUIS YACHTS, LLC.
KEVIN & MICHELE F. KUBIAK
RONALD P. LaROCK & SUZANNE R. GIBSON
SANDRA BIERHALS
TAMMY DEUTSCHER
ESTATE OF DELORES J. LEWIS
CRYSTAL M. CIEZKI
DAVID, RICHARD, AND DONALD BOROWSKI, KATHLEEN VANDE HEI, AND JEAN NERAD
RSOJLO PROPERTIES LLC
WESLEY A. SCHUBERT
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
PULASKI

TLE SLOPES
ACCESS CONTROL PER CSM#6362
10' WIDE VILLAGE EASEMENT DOC. 1220353 V. 15869, I. 7
10' WIDE VILLAGE EASEMENT DOC. 925851 V. 3493, I. 7
WELL RIGHTS EASEMENT DOC. 2555OR, VOL. 28, PG. 124
10' WIDE VILLAGE EASEMENT DOC. 1233481 V. 1640 I. 6
15' WIDE SAN. EASEMENT DOC. 1328173 V. 20248, I. 28
30' WIDE SAN. EASEMENT DOC. 1345934 V. 20800, I. 56
10' WIDE TEL. EASEMENT DOC. 435202 VOL. 167 PG. 148

SECTION LINE BEARING S 01°40'17" E 3,075.40'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
N ½ STH 32-E PULASKI ST	BY STATUTE	33'	-
S ½ STH 32-E PULASKI ST	PEPLINSKI'S ADDITION	33'	1906
	PROJECT 4085-16-21	VARIES	1996
STH 32-S. WISCONSIN ST	PEPLINSKI'S ADDITION	66'	1906
GREEN BAY STREET	PEPLINSKI'S ADDITION	60'	1906
WILLIAM STREET	PEPLINSKI'S ADDITION	80'	1906
SUMMIT STREET	PEPLINSKI'S ADDITION	60'	1906

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C16	66.37'	61.70'	S 48°53'16" E	50.50'
C53	83.60'	77.78'	N 45°50'54" W	64.00'
C52	8.71'	8.41'	N 64°03'13" E	9.50'

GN

SE-SE SEC 31
NE-NE SEC 6
NW-NW SEC 5
SW-SW SEC 32

REVISION DATE 4-29-2013	DATE 2-28-2013	SCALE, FEET 0 50 100	HWY: STH 32	STATE R/W PROJECT NUMBER 9190-13-21	PLAT SHEET 4.06
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET 137 E

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Brown Co\RW Plat\040106_rp.dgn PLOT DATE : 4/29/2013 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

GN

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9064	S 89°39'50" E	2260.80'
9064-8187	N 28°07'43" W	37.29'
8187-7938	N 89°40'14" W	18.75'
7938-7937	N 00°19'46" E	2.00'
7937-7936	S 89°40'14" E	17.67'
7936-8187	S 28°07'43" E	2.27'

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9064	S 89°39'50" E	2260.80'
9064-8187	N 28°07'43" W	37.29'
8187-9148	N 28°07'43" W	232.90'
9148-9149	S 87°31'44" W	46.21'
9149-9150	N 00°37'14" W	90.19'
9150-9148	S 28°07'43" E	100.00'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
N½ STH 32-E. PULASKI ST.	BY STATUTE	33'	-
S½ STH 32-E. PULASKI ST.	PEPLINSKI'S ADDITION	33'	1906
	PROJECT 4085-16-21	VARIES	1996
PINE STREET	PEPLINSKI'S ADDITION	60'	1906
W 21' N. WISCONSIN ST.	VOL.800,PG.424	21'	1968
E 39' N. WISCONSIN ST.	VOL.297,PG.279	39'	1951

PARCEL 25

COURSE	BEARING	DISTANCE
7001-9077	S 89°39'50" E	2,329.05'
9077-7944	N 28°07'43" W	37.30'
7944-9066	N 28°07'43" W	95.40'
9066-9065	S 43°22'58" E	22.80'
9065-9067	S 28°07'43" E	74.38'
9067-9068	S 83°03'39" E	17.37'
9068-7944	N 89°40'14" W	23.00'

PARCEL 31

COURSE	BEARING	DISTANCE
7001-8064	S 89°39'50" E	1,345.14'
8064-8177	S 03°23'27" E	33.39'
8177-7942	S 89°40'14" E	7.62'
7942-7941	S 15°05'24" W	23.98'
7941-8177	N 03°23'27" W	23.23'

SW-SE SEC 31

SE-SE SEC 31

NW-NE SEC 6

NE-NE SEC 6

NW-NW SEC 5

VILLAGE OF PULASKI

SIXTEENTH LINE

Y=624,827.87
X=40,646.11
NAIL

7001

R/L PI 26+67.93
Y=624,818.99
X=41,587.41

1,345.14'

8064

S 03°23'27" E 33.39'

7942 22+54.35 30.00'

8177 22+61.97 30.00' 22+56.72 39.00'

7941 22+60.46 53.19'

S 89°40'14" E 7.62'

S 15°05'24" W 23.98'

N 03°23'27" W 23.23'

S 89°39'50" E 915.66'

REFERENCE BEARING

SECTION LINE

STH 32
EAST PULASKI STREET

STA. 18+69.03 STH 32
STA. 400+00.00 PINE STREET

PI 354+00.00
Y=625,163.87
X=42,774.99

9150 354+00.00 48.36'

9149 353+20.00 90.00'

9148 353+00.00 48.34'

353+20.00

354+00.00

N 28°07'43" W 352.00'

NORTH WISCONSIN STREET

S 28°07'43" E 351.00'

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.

35

20' WIDE TELE. EASEMENT DOC. 1369698, V. 2822, P. 26

TLE SLOPES

201

7938 13+85.00

7937 36.00' & 38.00'

7936 13+67.33 38.00'

13+70.58 44.00'

8187 13+66.25 36.00' 14+00

68.25' 13+00

MARQUIS YACHTS, LLC

25

351+30.00 11.70'

9066

351+08.00 17.70'

9065

351+08.00 25.70'

350+54.31 25.71'

12+98.00 36.00'

7944

12+92.26 38.00'

9067

12+75.00 36.00'

9077

9068

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

20

206

10' WIDE TELE. EASEMENT DOC. 435202, VOL. 679, PG. 748

299+49.10 60.00'

299+12.00 60.00'

7002

TLE SLOPES

298+50.00 60.00'

298+99.15 34.49'

242.62'

298+25.00 33.00' & 60.00'

7003

Y=624,812.79
X=43,217.73
NAIL
297+66.02
0.18' RT.

Y=624,811.91
X=43,367.50
NAIL
296+16.25
0.16' RT.

T 26 N R 19 E
31 32 6 5

N 89°40'14" W

S 88°36'37" W

S 89°39'50" E 149.77'

N 89°40'14" W

30' WIDE SAN. EASEMENT DOC. 1469342, V. 2080D, P. 56

R/L PI 296+16.29
Y=624,811.75
X=43,367.46

R/L PI 299+50.00
Y=624,810.67
X=43,033.78

R/L PI 298+50.00
Y=624,813.10
X=43,133.75

PI STA. 12+71.54 STH 32
STA. 300.00 PULASKI STREET
Y=624,810.96
X=42,983.78

3,075.40'

SECTION LINE BEARING S 01°40'17" E

N 89°40'14" W 18.75'

N 28°07'43" W 37.29'

N 86°32'25" W

STA. 12+91.82 STH 32
STA. 350.00 N. WIS. ST.

N 28°07'43" W 37.30'

N 11°14'08" W

15+14.34 30.00' & 35.00'

TLE SLOPES

16+94.14 35.00' & 37.00'

200

17+84.07 30.00' N 89°40'14" W 16+94.16 30.00'

S 89°40'14" E

17+84.04 37.00'

17+84.03 40.00'

18+39.03 40.00'

MARGARET ADASIEWICZ

26

WISCONSIN ELECTRIC POWER COMPANY

24

McDERMID REALTY PARTNERSHIP, LLP.

23

ALL WASHED UP, LLC.

22

DOROTHY PEPLINSKI TRUSTEE

31

AMY J. ANGELI

29

DAVID A. & SHERRIL. OLSON

28

MARK & PATRICIA FEMLING

27

18+99.02 30.00' 18+99.03 40.00'

19+83.88 40.00' & 43.00'

19+83.86 30.00'

20+73.70 30.00'

20+73.72 42.00' & 43.00'

21+68.53 30.00'

21+68.55 39.00' & 42.00'

22+54.35 30.00'

22+61.97 30.00'

22+56.72 39.00'

22+60.46 53.19'

TLE SLOPES

DAVID A. & SHERRIL. OLSON

N 00°22'05" E 399+00

398+00

397+00

N 00°22'05" E PINE STREET

60'

LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5 LOT 4 LOT 3 LOT 2 LOT 1

LOT 13 LOT 14 LOT 15

P.L.

BLOCK 3

10' WIDE VILLAGE EASEMENT DOC. 1061298, V. 9465, P. 10

PEPLINSKI'S ADDITION

LOT 18 LOT 17 LOT 16 LOT 15 LOT 14 LOT 13 LOT 12 LOT 11 LOT 10 LOT 9 LOT 8 LOT 7 LOT 6 LOT 5 LOT 4 LOT 3 LOT 2 LOT 1

BLOCK 2

ALLEY

25'

PULASKI

BLOCK 1

STH 32-SOUTH WISCONSIN STREET

N 00°21'32" E 66'

12+00

11+00

10+00

9+00

PI 396+06.87
Y=624,421.27
X=42,383.78

246+00 247+00 248+00 249+00

SUMMIT STREET

2"I P

1"I P

REVISION DATE 4-29-2013	DATE 2-28-2013	SCALE. FEET 0 50 100	HWY: STH 32	STATE R/W PROJECT NUMBER 9190-13-21	PLAT SHEET 4.07
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET 138 E

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Brown Co\RW Plat\040107_rp.dgn PLOT DATE : 4/29/2013 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
N½ STH 32-E. PULASKI ST.	BY STATUTE	33'	-
	DOC#1316239	VARIES	1992
S½ STH 32-E. PULASKI ST.	WM KUROWSKI'S PLAT	33'	1903
W½ ST. AUGUSTINE STREET	PLAT OF PULASKI	33'	1888
E½ ST. AUGUSTINE STREET	WM KUROWSKI'S PLAT	33'	1903
FLORA STREET	WM KUROWSKI'S PLAT/RES#176	70'	1903&1966
STH 160	PLAT OF PULASKI	66'	1888

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9078	S 89°39'50" E	250.94'
9078-8471	N 00°20'10" E	32.76'
8471-8747	N 89°39'13" W	29.01'
8747-8746	N 00°20'47" E	2.31'
8746-8737	N 87°03'06" W	132.78'
--	C50	--
--	C48	--
8466-8467	S 87°49'09" E	89.96'
8467-8471	S 84°12'19" E	64.55'

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9079	S 89°39'50" E	1,321.27'
9079-8480	N 00°20'10" E	32.68'
8480-8481	N 29°34'41" E	57.31'
8481-8482	S 89°40'14" E	65.00'
8482-7930	S 29°34'41" W	57.31'
7930-8480	N 89°40'14" W	65.00'

PARCEL 42

COURSE	BEARING	DISTANCE
7001-9058	S 89°39'50" E	33.02'
9058-8114	S 02°13'47" W	33.22'
8114-9037	S 89°39'13" E	7.74'
--	C54	--
9036-8114	N 02°13'47" E	7.74'

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C54	12.30'	11.13'	S 46°17'17" W	8.00'
C49	39.38'	38.72'	N 69°37'30" W	62.00'
C51	3.25'	3.24'	S 49°41'21" E	25.00'
C48	21.62'	21.53'	S 78°34'28" E	67.00'
C50	14.68'	14.47'	N 70°13'48" W	25.00'

REVISION DATE 4-29-2013 NC	DATE 2-28-2013	SCALE: FEET 0 50 100	HWY: STH 32	STATE R/W PROJECT NUMBER 9190-13-21	PLAT SHEET 4.08
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET 139 E

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Brown Co\RW Plat\040108_rp.dgn PLOT DATE : 4/29/2013 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

4

4

PARCEL 43

COURSE	BEARING	DISTANCE
7001-9060	N 02°13'47" W	32.98'
9060-7141	N 87°29'14" W	33.30'
7141-7508	N 87°29'14" W	29.84'
--	C32	--
8974-7141	S 02°16'45" E	30.44'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
N½ STH 32-E. PULASKI ST.	BY STATUTE	33'	-
	DOC#1316239	VARIES	1992
W½ ST. AUGUSTINE STREET	PLAT OF PULASKI	33'	1888
E½ ST. AUGUSTINE STREET	BY STATUTE	33'	-
CHICAGO STREET	PLAT OF PULASKI	80'	1888
STH 160-W. PULASKI ST.	PLAT OF PULASKI	66'	1888

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C26	15.83'	15.57'	N 27°49'37" W	25.00'
C46	22.49'	22.38'	S 13°27'08" E	67.00'
C47	39.68'	39.01'	N 22°10'22" W	62.00'
C32	45.72'	40.81'	N 44°29'51" E	28.00'

PARCEL 35

COURSE	BEARING	DISTANCE
7001-9061	N 02°13'47" E	248.23'
9061-8461	S 87°46'13" E	32.63'
8461-8462	S 03°50'10" E	145.94'
--	C46	--
8463-2269	N 45°58'12" W	2.30'
--	C26	--
8748-8461	N 02°16'45" W	152.14'

REVISION DATE 4-29-2013 NC	DATE 2-28-2013	SCALE, FEET 0 50 100	HWY: STH 32	STATE R/W PROJECT NUMBER 9190-13-21	PLAT SHEET 4.09
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET 140 E

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Brown Co\RW Plat\040109_rp.dgn PLOT DATE : 4/29/2013 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$ WISDOT/CADDS SHEET 75

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C45	271.04'	271.04'	S 01°27'02" E	12,793.88'
C8	262.69'	262.68'	N 01°34'05" W	11,637.83'
C7	269.34'	269.33'	N 01°33'28" W	11,747.83'
C29	269.49'	269.49'	S 01°33'24" E	11,752.83'

PARCEL 64

COURSE	BEARING	DISTANCE
145-9100	S 02°13'47" E	299.13'
9100-8984	S 87°46'13" W	53.02'
8984-7959	S 02°50'01" W	80.18'
7959-7958	S 02°12'53" E	111.28'
7958-8918	N 22°03'14" W	33.17'
8919-8919	N 02°03'27" W	50.00'
8919-8984	N 07°10'22" E	111.44'

Y=624,827.87
X=40,646.11
NAIL
STA 36+13.19
3.15' RT.

Y=627,471.95
X=40,543.15
SURVEY NAIL
STA 62+59.24
2.93' LT.

QUARTER LINE BEARING N 87°56'39" W 2,571.69'

QUARTER LINE BEARING N 89°21'09" W 2,927.68' TOTAL

VILLAGE OF PULASKI

CONGREGATION OF THE HOLY CROSS OF PULASKI, WI. (58)

CHRISTOPHER G. & AMY J. JACOBS (59)

JOSEPH M. ULLMER (61)

ARLIN F. & GLORIA J. POLCZINSKI (62)

CSM#1844 LOT 2

CSM#1844 LOT 1

JAMES E. HELMS & EDITH L. HELMS (63)

MICHAEL M. & DONNA M. MAY

SMP ENTERPRISES, LLC. (64)

COUNTRY CARE PROPERTIES, LLC. (66)

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC. (35)

CSM#4347 LOT 1

ACCESS CONTROL PER CSM#4347

12' WIDE ALONG PL. CL. UTIL. EASEMENT DOC. 918121, VOL. 7, PG. 437

DRAIN TILE EASEMENT DOC. 969477, V. 5108, L. 5

10' WIDE TELE. EASEMENT DOC. 1728796

10' WIDE TELE. EASEMENT DOC. 1727705

10' WIDE TELE. EASEMENT DOC. 1728819

10' WIDE TELE. EASEMENT DOC. 1732782

10' WIDE TELE. EASEMENT DOC. 1728117

12' WIDE UTILITY EASEMENT DOC. 1302570, VOL. 27, OF CSM'S PG. 207

TLE SLOPES

49+39.65 40.00'
49+95.00 40.00'
49+38.84 30.00'
50+00.00 37.00'
51+47.41 37.00'
51+94.00 42.08'& 47.08'
54+82.88 47.87'
55+50.00 46.57'& 51.58'
54+83.03 42.87'
58+00.00 70.00'
58+50.00 70.00'
58+94.77 62.72'
59+93.50 54.27'
62+61.86 54.92'
62+61.61 49.92'
59+60.00 52.12'
59+93.30 49.27'
62+57.61 60.09'
62+57.14 78.00'
59+93.68 60.73'
59+84.44 78.00'
58+80.11 58.96'
57+68.83 58.66'
57+82.98 61.31'
56+82.94 46.58'
55+50.00 57.00'
55+21.61 47.02'
55+21.22 57.00'
58+00.00 80.00'
58+85.00 80.00'
49+34.69 36.00'
49+22.02 36.00'
49+38.85 54.00'
49+21.27 54.00'
51+65.05 36.00'
51+65.08 48.00'
51+64.88 57.00'
51+50.00 54.00'& 57.00'
51+46.86 30.00'
52+00
53+00
54+00
55+00
56+00
57+00
58+00
59+00
60+00
61+00
62+00
63+00
64+00

REFERENCE LINE BEARING N 02°13'47" W 2,646.08'
SECTION LINE BEARING N 02°03'27" W

R/L PI 49+38.85
Y=626,152.39
X=40,591.18

R/L PI 51+64.95
Y=626,378.33
X=40,582.45

R/L PI 44+28.31
Y=625,642.22
X=40,610.54

PC 59+84.44

STH 32 - ST AUGUSTINE STREET

WIDTH VARIES

SIXTEENTH

COMPUTED QUARTER LINE BY OCONTO COUNTY SURVEYOR DATED 9-29-00

END RELOCATION ORDER
STA. 62+59.17
Y= 627,471.92
X= 40,546.09

PULASKI

NE-SE SEC 36

NW-SE SEC 31

FRAC N1/2-SW SEC 31

PARCEL 66

COURSE	BEARING	DISTANCE
7001-7849	N 02°13'47" W	1,323.04'
7849-7982	S 89°26'54" E	32.69'
7982-7977	N 02°12'53" W	230.29'
7977-7978	N 87°47'07" E	12.00'
7978-7979	N 02°12'53" W	356.53'
7979-8958	S 89°46'27" E	9.99'
8958-8460	S 02°03'27" E	356.18'
8460-8454	S 02°12'53" E	14.88'
8454-8455	S 87°47'07" W	3.00'
8455-8456	S 02°12'53" E	211.17'
8456-8956	S 02°10'21" E	17.60'
8956-7976	N 89°46'27" W	18.01'
7976-7982	N 02°10'21" W	12.67'

PARCEL 35

COURSE	BEARING	DISTANCE
145-7988	S 89°21'09" E	63.04'
7988-8445	S 89°21'09" E	17.92'
--	C45	--
8962-8963	S 03°12'35" E	99.46'
8963-8960	S 02°03'27" E	85.00'
8960-8961	S 03°11'56" W	251.06'
8961-8958	S 02°03'27" E	28.78'
8958-7979	N 89°46'27" W	9.99'
7979-7985	N 02°12'53" W	161.32'
7985-7986	N 06°18'58" E	101.12'
7986-7984	N 02°12'53" W	210.66'
--	C8	--

STH 32
PI=62+59.28
Y=627,471.95
X=40,543.15
DELTA=2°26'47" RT
D=0°26'42"
T=274.84'
L=549.60'
R=12,871.88'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
STH 32	PROJECT S 0261(2)	VARIES	1951

GN

REVISION DATE 4-29-2013 NC	DATE 2-28-2013	SCALE. FEET 0 50 100	HWY: STH 32	STATE R/W PROJECT NUMBER 9190-13-21	PLAT SHEET 4.10
	GRID FACTOR		COUNTY: BROWN	CONSTRUCTION PROJECT NUMBER	PS&E SHEET 141 E

TRANSPORTATION PROJECT PLAT NO: 9190-13-21 - 4.11

THAT PART OF THE FRACTIONAL S1/2-NW1/4 OF SECTION 31, T.26N., R.19E., TOWN OF CHASE, AND THAT PART OF THE FRACTIONAL S1/2-NW1/4 OF SECTION 31, T.26N., R.19E., VILLAGE OF PULASKI, OCONTO COUNTY, WISCONSIN.
RELOCATION ORDER STH 32 OCONTO 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.

SHEET 4.11 TOTAL

COURSE	BEARING	DISTANCE
145-7996	N 00°23'20" E	1,324.81'
7996-8437	S 89°13'32" E	60.00'
8437-8048	S 00°23'20" W	432.30'
8048-8440	S 58°40'17" E	11.66'
8440-8442	S 00°23'20" W	395.32'
8442-8451	S 09°46'44" E	84.97'
8451-8443	S 00°23'20" W	132.32'
-	C44	-
8453-145	N 89°21'09" W	87.96'

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD1983 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF 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 LINES, 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 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.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 8:15AM ON MARCH 19 2013 AS DOCUMENT # 665849 AND FILED IN VOL 2 Pg58 of TPP Plats
Annette Rehringer
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9190-13-21- 4.11
AMENDMENT NO:

BROWN CO.
Y=627,471.95
X=40,543.15
(OCONTO CO.)
Y=103,137.27
X=513,023.61
SURVEY NAIL
STA. 62+59.24
2.93' LT.

QUARTER LINE BEARING N 87°56'39" W 2,571.69'

145 — T 26 N R 18 E — 36 31 — T 25 N R 19 E

4

62+00 63+00 64+00 65+00 PT 65+34.04 66+00 67+00 68+00 REFERENCE LINE BEARING N 00°23'20" E 69+00 70+00 71+00 72+00 73+00 74+00 75+00 76+00

C/L IS 32' FROM HWY C/L ELEC. EASEMENT DOC. 157374, VOL. 160, PG. 116

SECTION LINE BEARING N 00°23'20" E 2,649.62'

STH 32 - ST AUGUSTINE STREET

C/L IS 32' FROM HWY C/L ELEC. EASEMENT DOC. 156914, VOL. 160, PG. 78

62+57.61 7988 60.09'
65+23.35 8046 60.00'
66+66.44 8452 60.00' N 00°23'20" E
71+51.31 8048 60.00'
72+67.90 60.00'
S 89°13'32" E 60.00'
7996
8437
N 00°23'20" E

201 200 205 206

C11 C44

62+56.95 8453 85.00'
65+34.04 8443 85.00'
66+66.36 8451 85.00'
67+50.00 8442 70.00'
68+10.00 75.00'& 85.00'
69+50.00 75.00'& 85.00'
70+00.00 70.00'& 85.00'
70+50.00 70.00'& 85.00'
71+00.00 70.00'& 85.00'
71+45.32 8440 70.00'
72+61.91 70.00'
73+00.00 60.00'& 70.00'

TLE DRIVES& SLOPES
TLE SLOPES
TLE DRIVES
TLE 15' DRIVES
TLE 10' SLOPES
TLE DRIVES

N 58°40'17" W 100'

VILLAGE OF PULASKI

WADE M. & KATHLEEN B. WILLIAMS 71

ROBERT J. & ANNETTE M. EGNARSKI 72

OCONTO COUNTY

TOWN OF CHASE

WISCONSIN DEPARTMENT OF NATURAL RESCOURCES 30

ROBERT HON, TRUSTEE OF HON TRUST AGREEMNT 74

FRAC S1/2-NW SEC 31

SW-NE SEC 31

P.L.

QUARTER LINE BEARING S 89°21'09" E 2,927.68'

PARCEL 71

COURSE	BEARING	DISTANCE
145-7988	S 89°21'09" E	63.04'
-	C11	-
8046-8452	N 00°23'20" E	143.04'
8452-8451	S 89°26'50" E	25.00'
8451-8443	S 00°23'20" W	132.32'
-	C44	-
8453-7988	N 89°21'09" W	24.92'

PARCEL 72

COURSE	BEARING	DISTANCE
145-7988	S 89°21'09" E	63.04'
-	C11	-
8046-8452	N 00°23'20" E	143.04'
8452-8048	N 00°23'20" E	484.87'
8048-8440	S 58°40'17" E	11.66'
8440-8442	S 00°23'20" W	395.32'
8442-8451	S 09°46'44" E	84.97'
8451-8452	N 89°26'50" W	25.00'

STH 32
PI=89+14.30
BROWN CO.
Y=630,126.99
X=40,561.17
(OCONTO CO.)
Y=105,792.31
X=513,044.62
DELTA=3°46'00" LT
D=0°30'00"
T=376.79'
L=753.31'
R=11,459.16'

10' WIDE TELE. EASEMENT DOC. 435202, VOL. 679, PG. 748

COMPUTED QUARTER LINE BY OCONTO COUNTY SURVEYOR DATED 9-29-00

SIXTEENTH LINE

145 — T 26 N R 18 E — 36 25 — 31 30 — T 26 N R 19 E

1525

BROWN CO.
Y=630,121.52
X=40,561.14
(OCONTO CO.)
Y=105,786.84
X=513,044.58
NAIL W/ WASHER
STA. 89+08.69
6.01' RT.

STH 32
PI=62+59.28
BROWN CO.
Y=627,471.95
X=40,543.15
(OCONTO CO.)
Y=103,137.27
X=513,023.61
DELTA=2°26'47" RT
D=0°26'42"
T=274.84'
L=549.60'
R=12,871.88'

CENTERLINE OF ELEC. EASEMENT DOC. 197693, VOL. 204, PG. 270

60' WIDE LIMITED HIGHWAY EASEMENT FOR DRAINAGE DITCH DOC. 199013, VOL. 205, PG. 551 DOC. 199369, VOL. 207, PG. 214

20' WIDE INGRESS/EGRESS EASEMENT DOC. 384261, VOL. 582, PG. 767

30' 30'

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
200	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
201	NORTHEAST TELEPHONE CO., LLC (TELEPHONE)	RELEASE OF RIGHTS
205	WE ENERGIES (GAS)	RELEASE OF RIGHTS
206	WINDSTREAM KDL, INC. (FIBER OPTIC)	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ. FT.
30	WISCONSIN DEPT. OF NATURAL RESOURCES	TLE	---	---	---	1,166
71	WADE M. & KATHLEEN B. WILLIAMS	FEE	10,190	---	10,190	---
72	ROBERT J. & ANNETTE M. EGNARSKI	FEE & TLE	5,446	---	5,446	3,727
74	ROBERT HON, TRUSTEE OF HON TRUST AGREEMENT	TLE	---	---	---	351

NOTE:
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
E½ STH 32	PROJECT T0261(1)	60'	1951

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C11	264.50'	264.50'	N 00°16'13" W	11,637.83'
C44	275.26'	275.26'	S 00°13'40" E	12,786.88'

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.		
HIGHWAY EASEMENT	H.E.		
LAND CONTRACT	LC		
MONUMENT	MON.		
PAGE	P.		
PERMANENT LIMITED EASEMENT	PLE		
PROPERTY LINE	PL		
RECORDED AS	(100')		
REFERENCE LINE	R/L		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LF (1" UNLESS NOTED)
R/W MONUMENT	○ •(SET)
R/W STANDARD	△ ▲(SET)
SIGN	SIGN
SECTION CORNER MONUMENT	
SECTION CORNER SYMBOL	
FEE (HATCH VARIES)	
TEMPORARY LIMITED EASEMENT	
PERMANENT LIMITED EASEMENT	
R/W BOUNDARY POINT	RWB20
PARCEL NUMBER	102
SIGN NUMBER (OFF PREMISE)	21-1
BUILDING	

PROPOSED R/W LINE	
EXISTING H.E. LINE	
PROPERTY LINE	
LOT & TIE LINES	
SLOPE INTERCEPTS	
CORPORATE LIMITS	
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)	
ACCESS RESTRICTED (BY ACQUISITION)	
NO ACCESS (BY STATUTORY AUTHORITY)	
SECTION LINE	
QUARTER LINE	
SIXTEENTH LINE	
EXISTING CENTERLINE	
PROPOSED REFERENCE LINE	
PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

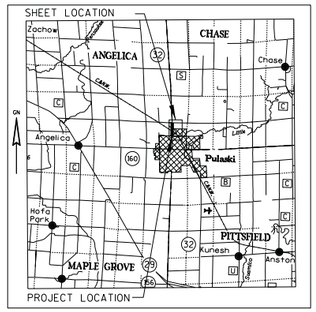
	NON COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD	OH	
TRANSMISSION LINES ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

WISCONSIN MICHAEL C. JENSEN S-1746 WAUPACA, WI LAND SURVEYOR

GN

SCALE, FEET
0 50 100

SHEET LOCATION



GROFF
1150 Springhurst Drive, Suite 201
Green Bay, WI 54304-5950

I, MICHAEL C. JE
COMPLIANCE WI
AND UNDER TH
AND MAPPED T
AND THAT SUC
THE SURVEYED

DATE: 2-28-

THIS PLAT AND
OF TRANSPORT

DATE 3-6-2013

H. BRUCE ENKE, TECHNICAL SERVICES MANA

142

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Oconto Co\040111_tpp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 3/4/2013 PLOT BY : $$...plotuser...$$ PLOT NAME : PLOT SCALE : $$.....plotscale.....$$

4.11

TRANSPORTATION PROJECT PLAT NO: 9190-13-21 - 4.12

THAT PART OF THE FRACTIONAL N1/2-NW1/4 OF SECTION 31, T.26N., R.19E.,
TOWN OF CHASE, OCONTO COUNTY, WISCONSIN.

RELOCATION ORDER STH 32 OCONTO 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.

SHEET 4.12 TOTAL

COURSE	BEARING	DISTANCE
7996-9167	N 00°23'20" E	1,291.81'
9167-8056	S 89°42'29" E	54.87'
-	C12	-
8055-9157	S 00°23'20" W	557.02'
9157-9156	S 26°10'34" E	22.36'
9156-9155	S 00°23'20" W	135.00'
9155-9154	S 26°57'14" W	22.36'
9154-8437	S 00°23'20" W	216.39'
8437-7996	N 89°13'32" W	60.00'

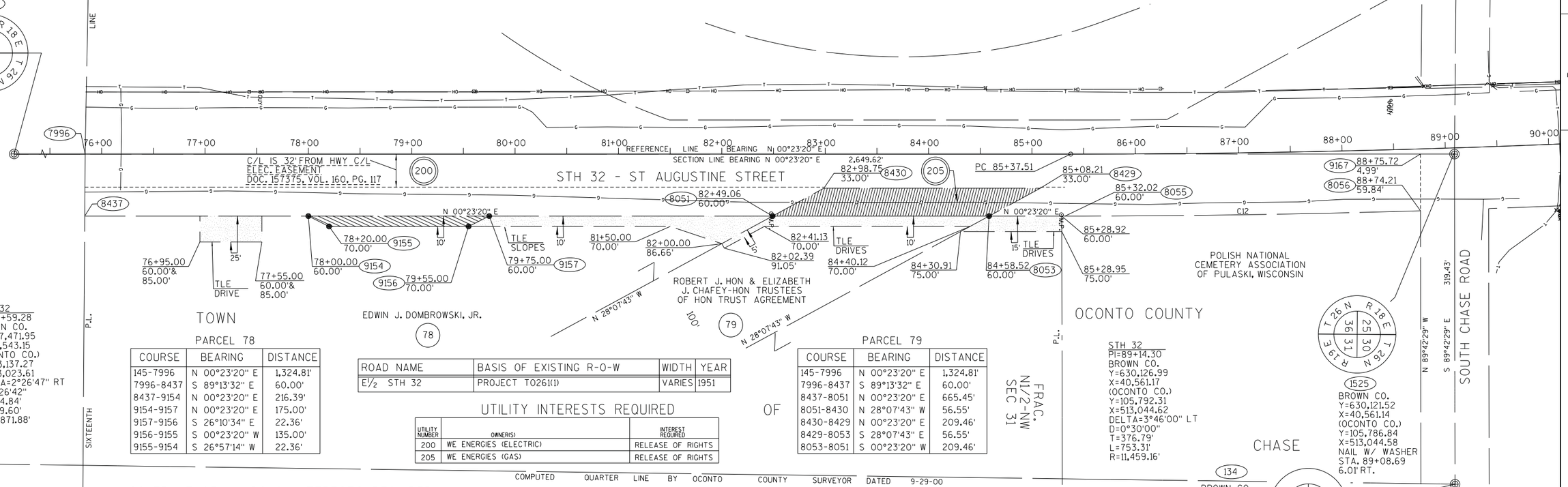
NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD1983 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.
RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF 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 LINES, 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 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.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

ACCEPTED FOR RECORDING AND FILING IN THE OFFICE OF THE REGISTER OF DEEDS IN OCONTO COUNTY, WISCONSIN AT 8:15AM ON MARCH 19, 2013 AS DOCUMENT # 665850 AND FILED IN VOL. 2 Pg 59 of TPP Plats
Annette Lehsinger
SIGNATURE OF REGISTER OF DEEDS

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9190-13-21- 4.12
AMENDMENT NO:

BROWN CO.
Y=627,471.95
X=40,543.15
(OCONTO CO.)
Y=103,137.27
X=513,023.61
SURVEY NAIL
STA. 62+59.24
2.93' LT.

145 — T 26 N R 18 E 36 31 — T 26 N R 19 E



STH 32
PI=62+59.28
BROWN CO.
Y=627,471.95
X=40,543.15
(OCONTO CO.)
Y=103,137.27
X=513,023.61
DELTA=2°26'47" RT
D=0°26'42"
T=274.84'
L=549.60'
R=12,871.88'

TOWN

PARCEL 78

COURSE	BEARING	DISTANCE
145-7996	N 00°23'20" E	1,324.81'
7996-8437	S 89°13'32" E	60.00'
8437-9154	N 00°23'20" E	216.39'
9154-9157	N 00°23'20" E	175.00'
9157-9156	S 26°10'34" E	22.36'
9156-9155	S 00°23'20" W	135.00'
9155-9154	S 26°57'14" W	22.36'

EDWIN J. DOMBROWSKI, JR.
78

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
E1/2 STH 32	PROJECT T0261(1)	VARIES	1951

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
200	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
205	WE ENERGIES (GAS)	RELEASE OF RIGHTS

PARCEL 79

COURSE	BEARING	DISTANCE
145-7996	N 00°23'20" E	1,324.81'
7996-8437	S 89°13'32" E	60.00'
8437-8051	N 00°23'20" E	665.45'
8051-8430	N 28°07'43" W	56.55'
8430-8429	N 00°23'20" E	209.46'
8429-8053	S 28°07'43" W	56.55'
8053-8051	S 00°23'20" W	209.46'

OCONTO COUNTY

STH 32
PI=89+14.30
BROWN CO.
Y=630,126.99
X=40,561.17
(OCONTO CO.)
Y=105,792.31
X=513,044.62
DELTA=3°46'00" LT
D=0°30'00"
T=376.79'
L=753.31'
R=11,459.16'

25 30 36 31 — T 26 N R 18 E — T 26 N R 19 E

1525
BROWN CO.
Y=630,121.52
X=40,561.14
(OCONTO CO.)
Y=105,786.84
X=513,044.58
NAIL W/ WASHER
STA. 89+08.69
6.01' RT.

CHASE

134
BROWN CO.
Y=630,119.89
X=40,880.56
(OCONTO CO.)
Y=105,784.85
X=513,364.00
NAIL W/ WASHER

30 30 31 31 — T 26 N R 19 E

COMPUTED QUARTER LINE BY OCONTO COUNTY SURVEYOR DATED 9-29-00

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ.FT. REQUIRED NEW	EXISTING	TOTAL	T.L.E. SQ.FT.
78	EDWIN J. DOMBROSKI, JR.	FEE & TLE	1,550	---	1,550	6,184
79	ROBERT J. HON & ELIZABETH J. CHAFEY-HON TRUSTEES OF HON TRUST AGREEMENT	FEE & TLE	5,655	---	5,655	2,292

NOTE:
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C12	343.95'	343.93'	S 00°28'00" E	11,519.16'

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.	CURVE DATA	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN
REFERENCE LINE	R/L		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (1" UNLESS NOTED)	
R/W MONUMENT	∘ •(SET)
R/W STANDARD	△ ▲(SET)
SIGN	SIGN
SECTION CORNER MONUMENT	
SECTION CORNER SYMBOL	
FEE (HATCH VARIES)	
TEMPORARY LIMITED EASEMENT	
PERMANENT LIMITED EASEMENT	
R/W BOUNDARY POINT	RWBZO
PARCEL NUMBER	102
SIGN NUMBER (OFF PREMISE)	21-1
BUILDING	
PROPOSED R/W LINE	
EXISTING H.E. LINE	
PROPERTY LINE	
LOT & TIE LINES	
SLOPE INTERCEPTS	
CORPORATE LIMITS	
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)	
ACCESS RESTRICTED (BY ACQUISITION)	
NO ACCESS (BY STATUTORY AUTHORITY)	
SECTION LINE	
QUARTER LINE	
SIXTEENTH LINE	
EXISTING CENTERLINE	
PROPOSED REFERENCE LINE	
PARALLEL OFFSET	

CONVENTIONAL UTILITY SYMBOLS

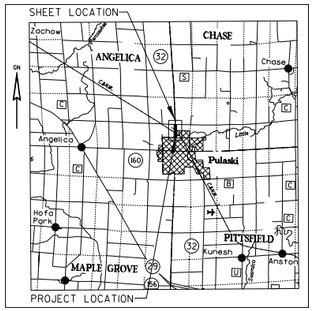
	NON COMPENSABLE	COMPENSABLE
WATER	W	
GAS	G	
TELEPHONE	T	
OVERHEAD	OH	
TRANSMISSION LINES ELECTRIC	E	
CABLE TELEVISION	TV	
FIBER OPTIC	FO	
SANITARY SEWER	SAN	
STORM SEWER	SS	
POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

WISCONSIN — MICHAEL C. JENSEN S-1746 WAUPACA, WI — LAND SURVEYOR

GN

SCALE, FEET
0 50 100

SHEET LOCATION



GRAEF
1150 Springhurst Drive,
Suite 201
Green Bay, WI 54304-5950

I, MICHAEL C. JE
COMPLIANCE WI
AND UNDER THE
AND MAPPED T
AND THAT SUC
THE SURVEYED

DATE: 2-28-

THIS PLAT AND
OF TRANSPORT

DATE 3-6-2013

H. Bruce Enke
H. BRUCE ENKE, TECHNICAL SERVICES MANA

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Oconto Co\040112_tpp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 3/4/2013
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

4.12

TRANSPORTATION PROJECT PLAT NO: 9190-13-21 - 4.13

THAT PART OF LOTS 1 AND 2 OF CERTIFIED SURVEY MAP #3393, SE1/4-NE1/4 OF SECTION 36, T.26N., R.18E., TOWN OF ANGELICA, AND THAT PART OF THE SE1/4-NE1/4 OF SECTION 36, T.26N., R.18E., VILLAGE OF PULASKI, SHAWANO COUNTY, WISCONSIN.

RELOCATION ORDER STH 32 SHAWANO 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.

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD1983 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

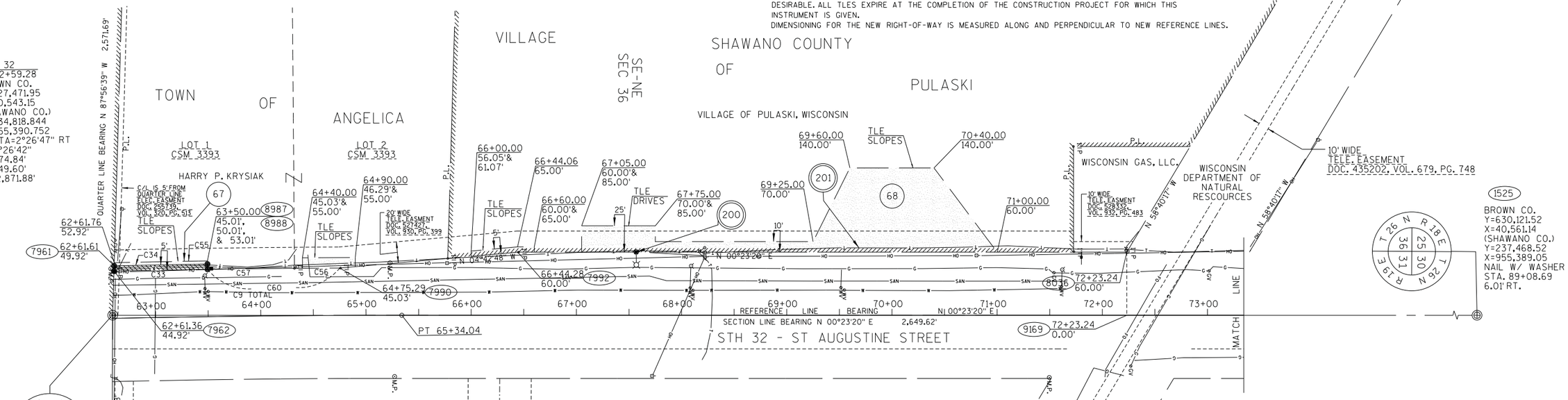
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF RECORD.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY LINES, 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 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.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

DOC # 690811
Recorded
May 02, 2013 11:31:00 AM
AMY DILLENBURG
REGISTER OF DEEDS
SHAWANO COUNTY WI
Fee Amount: $25.00
Side B-309

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9190-13-21 4.13
AMENDMENT NO:



UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
200	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
201	NORTHEAST TELEPHONE CO., LLC (TELEPHONE)	RELEASE OF RIGHTS

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ. FT. REQUIRED NEW	R/W SQ. FT. REQUIRED EXISTING	R/W SQ. FT. REQUIRED TOTAL	T.L.E. SQ. FT.
67	HARRY P. KRYSIAK	FEE & TLE	444	---	444	756
68	VILLAGE OF PULASKI, WISCONSIN	TLE	---	---	---	13,926

NOTE:
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
W1/2 STH 32	PROJECT TO261(1)	VARIES	1951

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C9	214.69'	214.68'	N 00°22'43" W	11,742.83'
C33	88.95'	88.95'	N 00°41'07" W	11,742.83'
C34	88.74'	88.74'	N 00°41'05" W	11,747.83'
C55	88.61'	88.61'	N 00°41'03" W	11,750.83'
C56	35.42'	35.42'	S 00°03'32" W	11,742.83'
C57	179.27'	179.27'	N 00°27'54" W	11,742.83'
C60	125.73'	125.73'	N 00°09'42" W	11,742.83'

STH 32
PI=89+14.30
BROWN CO.
Y=630,126.99
X=40,561.17
(SHAWANO CO.)
Y=237,473.99
X=955,389.03
DELTA=3°46'00" LT
D=0°30'00"
T=376.79'
L=753.31'
R=11,459.16'

PARCEL 67

COURSE	BEARING	DISTANCE
145-7962	N 87°56'39" W	42.04'
7962-7961	N 87°56'39" W	5.01'
-	C34	-
8987-8988	N 89°34'11" E	5.00'
-	C33	-

SHEET 4.13 TOTAL

COURSE	BEARING	DISTANCE
145-7961	N 87°56'39" W	47.04'
-	C34	-
8987-8988	N 89°34'11" E	5.00'
-	C60	-
7990-7992	N 04°42'48" W	169.86'
7992-8036	N 00°23'20" E	578.96'
8036-9169	S 89°36'40" E	60.00'
9169-145	S 00°23'20" W	964.04'

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.		
HIGHWAY EASEMENT	H.E.		
LAND CONTRACT	LC		
MONUMENT	MON.		
PAGE	P.		
PERMANENT LIMITED EASEMENT	PLE		
PROPERTY LINE	PL		
RECORDED AS	(100')		
REFERENCE LINE	R/L		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE OR DELTA	DELTA
LENGTH OF CURVE	L
TANGENT	TAN

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN (1" UNLESS NOTED)	PROPOSED R/W LINE
●(SET)	EXISTING H.E. LINE
R/W MONUMENT	PROPERTY LINE
△(SET)	LOT & TIE LINES
R/W STANDARD	SLOPE INTERCEPTS
SIGN	CORPORATE LIMITS
SECTION CORNER MONUMENT	ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)
SECTION CORNER SYMBOL	ACCESS RESTRICTED (BY ACQUISITION)
FEE (HATCH VARIES)	NO ACCESS (BY STATUTORY AUTHORITY)
TEMPORARY LIMITED EASEMENT	SECTION LINE
PERMANENT LIMITED EASEMENT	QUARTER LINE
R/W BOUNDARY POINT (RWB20)	SIXTEENTH LINE
PARCEL NUMBER (102)	EXISTING CENTERLINE
SIGN NUMBER (OFF PREMISE) (21)	PROPOSED REFERENCE LINE
BUILDING	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

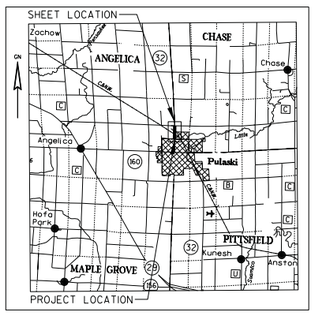
NON COMPENSABLE COMPENSABLE

POWER POLE		
TELEPHONE POLE		
TELEPHONE PEDESTAL		
ELECTRIC TOWER		

WISCONSIN
MICHAEL C. JENSEN
S-1746
WAUPACA, WI
LAND SURVEYOR

GN

SCALE, FEET
0 50 100



GROFF
1150 Springhurst Drive,
Suite 201
Green Bay, WI 54304-5950

I, MICHAEL C. JE
COMPLIANCE WI
AND UNDER THE
AND MAPPED T
AND THAT SUC
THE SURVEYED

DATE: 4-18-

THIS PLAT AND
OF TRANSPORT

DATE 4-29-2013

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Shawano Co\040113_tpp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 4/26/2013
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$
4.13

TRANSPORTATION PROJECT PLAT NO: 9190-13-21 - 4.14

THAT PART OF THE NE1/4-NE1/4, AND THAT PART OF THE SE1/4-NE1/4 OF SECTION 36, T.26N., R.18E., TOWN OF ANGELICA, SHAWANO COUNTY, WISCONSIN

RELOCATION ORDER STH 32 SHAWANO 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.

SHEET 4.14 TOTAL

COURSE	BEARING	DISTANCE
9147-8038	N 89°36'40" W	60.00'
8038-8995	N 00°23'20" E	850.16'
-	C39	-
8996-8997	N 07°26'54" W	45.41'
-	C43	-
-	C13	-
8044-9168	S 89°04'42" E	65.21'
9168-9147	S 00°23'20" W	1,535.99'

NOTES:
POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COUNTY COORDINATES, BROWN COUNTY, NAD1983 (1991) IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

RIGHT-OF-WAY MONUMENTS ARE TYPE 2 MONUMENTS (TYPICALLY 1" X 24" IRON PIPE) AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

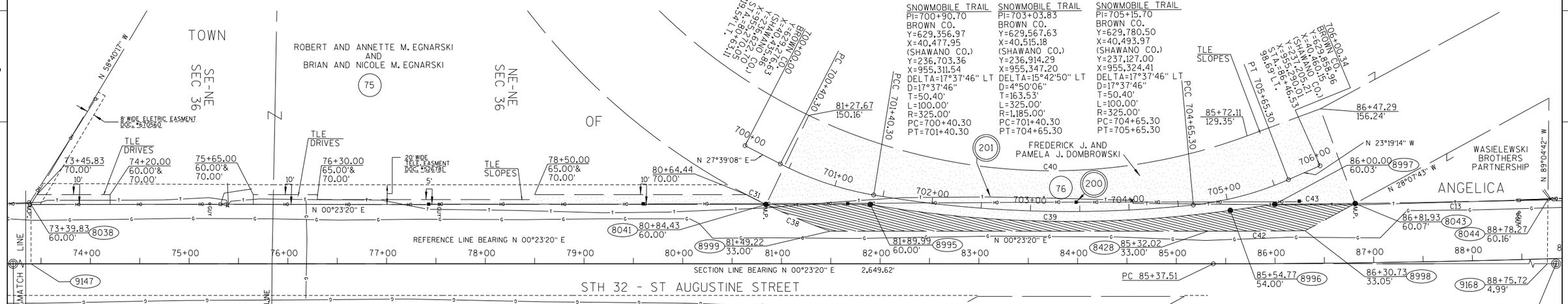
RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER SURVEYS OF RECORD.

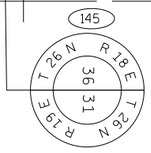
PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. EXCLUDING RIGHT-OF-WAY LINES, THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN ACCURATE FIELD SURVEY.

A **TEMPORARY LIMITED EASEMENT** (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE 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.
DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO NEW REFERENCE LINES.

DOC # 689463
Recorded
March 08, 2013 2:13 PM
AMY DILLENBURG
REGISTER OF DEEDS
SHAWANO COUNTY WI
Fee Amount: $25.00
Slide B-369

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 9190-13-21-4.14
AMENDMENT NO:

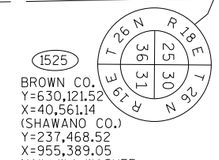




BROWN CO.
Y=627,471.95
X=40,543.15
(SHAWANO CO.)
Y=234,818.84
X=955,390.75
SURVEY NAIL
STA. 62+59.24
2.93' LT.

STH 32
PI=62+59.28
BROWN CO.
Y=627,471.95
X=40,543.15
(SHAWANO CO.)
Y=234,818.84
X=955,390.75
DELTA=2°26'47" RT
D=0°26'42"
T=274.84'
L=549.60'
R=12,871.88'

STH 32
PI=89+14.30
BROWN CO.
Y=630,126.99
X=40,561.17
(SHAWANO CO.)
Y=237,473.99
X=955,389.03
DELTA=3°46'00" LT
D=0°30'00"
T=376.79'
L=753.31'
R=11,459.16'



BROWN CO.
Y=630,121.52
X=40,561.14
(SHAWANO CO.)
Y=237,468.52
X=955,389.05
NAIL W/ WASHER
STA. 89+08.69
6.01' RT.

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	OWNER(S)	INTEREST REQUIRED
200	WE ENERGIES (ELECTRIC)	RELEASE OF RIGHTS
201	NORTHEAST TELEPHONE CO., LLC (TELEPHONE)	RELEASE OF RIGHTS

PARCEL 76

COURSE	BEARING	DISTANCE
145-9147	N 00°23'20" E	1,080.63'
9147-8038	N 89°36'40" W	60.00'
8038-8041	N 00°23'20" E	744.60'
8041-8995	N 00°23'20" E	105.56'
-	C39	-
8996-8997	N 07°26'54" W	45.41'
-	C43	-
8043-8998	S 28°07'43" E	57.71'
-	C42	-
8428-8999	S 00°23'20" W	382.80'
-	C38	-

CURVE TABLE

CURVE	LENGTH	CHORD LENGTH	CHORD BEARING	RADIUS
C13	195.31'	195.31'	N 00°51'06" W	11,399.16'
C31	22.35'	22.35'	N 26°58'07" E	670.09'
C38	70.23'	70.19'	N 23°00'39" W	670.09'
C39	366.18'	364.75'	N 01°19'48" E	1,195.00'
C40	456.64'	444.53'	S 03°03'59" W	570.09'
C42	98.44'	98.44'	S 00°08'31" W	11,426.16'
C43	81.50'	81.50'	N 00°09'22" W	11,399.16'

ROAD NAME	BASIS OF EXISTING R-O-W	WIDTH	YEAR
W1/2 STH 32	PROJECT TO261(1)	VARIES	1951

SCHEDULE OF LANDS & INTERESTS REQUIRED

PARCEL NUMBER	OWNER(S)	INTEREST REQUIRED	R/W SQ.FT. REQUIRED NEW	R/W SQ.FT. REQUIRED EXISTING	R/W SQ.FT. REQUIRED TOTAL	T.L.E. SQ.FT.
75	ROBERT AND ANNETTE EGNARSKI AND BRIAN AND NICOLE M. EGNARSKI	TLE	---	---	---	3,765
76	FREDERICK J. AND PAMELA J. DOMBROWSKI	FEE & TLE	9,960	---	9,960	36,367

NOTE:
OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE DEPARTMENT.

CONVENTIONAL ABBREVIATIONS

ACCESS POINT/ DRIVEWAY CONNECTION	AP	RELEASE OF RIGHTS	ROR
ACCESS RIGHTS	AR	REMAINING	REM.
ACRES	AC.	RIGHT-OF-WAY	R/W
AND OTHERS	ET.AL.	SECTION	SEC.
CENTERLINE	C/L	STATION	STA.
CERTIFIED SURVEY MAP	CSM	TEMPORARY LIMITED EASEMENT	TLE
CORNER	COR.	VOLUME	V.
DOCUMENT	DOC.		
EASEMENT	EASE.	**CURVE DATA**	
HIGHWAY EASEMENT	H.E.	LONG CHORD	LCH
LAND CONTRACT	LC	LONG CHORD BEARING	LCB
MONUMENT	MON.	RADIUS	R
PAGE	P.	DEGREE OF CURVE	D
PERMANENT LIMITED EASEMENT	PLE	CENTRAL ANGLE OR DELTA	DELTA
PROPERTY LINE	PL	LENGTH OF CURVE	L
RECORDED AS	(100')	TANGENT	TAN
REFERENCE LINE	R/L		

CONVENTIONAL SYMBOLS

FOUND IRON PIPE/PIN	LR (1" UNLESS NOTED)
R/W MONUMENT	○ •(SET)
R/W STANDARD	△ ▲(SET)
SIGN	SIGN
SECTION CORNER MONUMENT	
SECTION CORNER SYMBOL	
FEE (HATCH VARIES)	
TEMPORARY LIMITED EASEMENT	
PERMANENT LIMITED EASEMENT	
R/W BOUNDARY POINT	RWB20
PARCEL NUMBER	102
SIGN NUMBER (OFF PREMISE)	21-1
BUILDING	

PROPOSED R/W LINE	
EXISTING H.E. LINE	
PROPERTY LINE	
LOT & TIE LINES	
SLOPE INTERCEPTS	
CORPORATE LIMITS	
ACCESS RESTRICTED (BY PREVIOUS ACQUISITION/CONTROL)	
ACCESS RESTRICTED (BY ACQUISITION)	
NO ACCESS (BY STATUTORY AUTHORITY)	
SECTION LINE	
QUARTER LINE	
SIXTEENTH LINE	
EXISTING CENTERLINE	
PROPOSED REFERENCE LINE	
PARALLEL OFFSET	

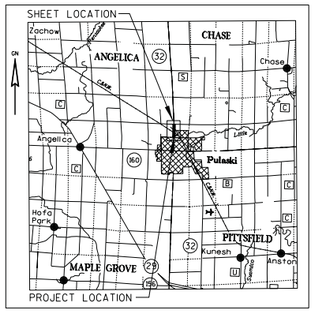
CONVENTIONAL UTILITY SYMBOLS

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

WISCONSIN
MICHAEL C. JENSEN
S-1746
WAUPACA, WI
LAND SURVEYOR

GN

SCALE, FEET
0 50 100

SHEET LOCATION


GROFF
1150 Springhurst Drive,
Suite 201
Green Bay, WI 54304-5950

I, MICHAEL C. JE
COMPLIANCE WI
AND UNDER THE
AND MAPPED T
AND THAT SUC
THE SURVEYED

DATE: 2-28-

THIS PLAT AND
OF TRANSPORT

DATE 3-6-2013

H. BRUCE ENKE, TECHNICAL SERVICES MAN

145

FILE NAME : J:\Jobs2010\20102011-04\CAD\Client\dgn\00\Shawano Co\040114_tpp.dgn
APPRAISAL PLAT DATE :
PLOT DATE : 3/4/2013
PLOT BY : $$...plotuser...$$ PLOT NAME :
PLOT SCALE : $$.....plotscale.....$$

4.14

GREEN BAY ST

BEGIN PROJECT
STA 1+00.00
MATCH EXISTING
SAW CUT REQ'D
Y=623639.448
X=42976.440

ANDREW J. VAN DEN ELZEN

SUSAN E. NACHTWEY

WILLIAMS ST

DONALD P. VOGT & LINDA M. VOGT

JONATHAN STENDER & TANYA LASEE

N

= CLEARING AND GRUBBING

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

VILLAGE OF PULASKI (WATER)

SLOPE INTERCEPT

STA 4+62.41=
STA 200+00

CAUTION

1+00 2+00 3+00 4+00 5+00 6+00 7+00

STH 32/S WISCONSIN ST

N 0°21'32" E

VILLAGE OF PULASKI (SANITARY SEWER)

WE ENERGIES (GAS)

BASE AGG PE

ASP CE

ASP

CONC PE

SLOPE INTERCEPT

GARY KOZICKI

ESTATE OF JEROME H. KOZICKI & IRENE R. KOZICKI

GARY KOZICKI

MARQUIS YACHTS, LLC

KEVIN & MICHELE F. KUBIAK

ALLEY

RONALD P. LaROCK & SUZANNE R. GIBSON

SANDRA BIERHALS

5

5

816 812 808 804 800 796 792 788

VPI STA 1+00.00
VPI EL 799.28

VPC STA 1+25.00
VPC EL 799.23

LP STA 1+60.42
LP EL 799.19

VPI STA 2+00.00
VPI EL 799.05

VPT STA 2+75.00
VPT EL 799.62

VPC STA 3+00.00
VPC EL 799.80

VPI STA 3+50.00
VPI EL 800.18

VPRC STA 4+00.00
VPRC EL 800.66

VPI STA 4+50.00
VPI EL 801.15

HP STA 4+76.41
HP EL 801.04

VPT STA 5+00.00
VPT EL 801.00

VPC STA 6+00.00
VPC EL 800.70

VPI STA 6+50.00
VPI EL 800.55

VPT STA 7+00.00
VPT EL 800.29

EXISTING PROFILE

FINISHED PROFILE

VCL = 150' K = 153

VCL = 100' K = 451

VCL = 100' K = 79

VCL = 100' K = 469

-0.23%

0.75%

-0.30%

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

1+00	2+00	3+00	4+00	5+00	6+00	7+00
799.28	799.25	799.80	800.66	801.00	800.70	800.29
799.28	799.31	800.12	800.66	801.04	800.87	800.53
799.35	799.29	799.86	799.96	801.03	800.70	800.62
799.43	799.40	800.33	800.70	800.97	800.92	800.39
799.24	799.96	800.42	800.83	801.02	800.76	800.48
799.50	799.51	800.29	800.79	800.88	800.82	800.69
799.22	800.06	800.51	800.95	801.06	800.98	800.56	800.75
799.58	799.65	800.47	800.88	800.94	800.64	800.81
799.22	800.15	800.60	801.02	801.02	800.88	800.64

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 146	E

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
701	11+41, 37' LT	CHISLED CROSS ON NE BOLT OF SHELL SIGN	799.91

= CLEARING AND GRUBBING

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

N

BRIAN F. & ROSE M. EFFERT

SUMMIT ST

REBECCA L. DeMILLE

ATNA DEVELOPMENT LLC.

ALLEY

ATNA DEVELOPMENT LLC.

BM 701

13+00 STH 32/PULASKI ST

CONC PE

SLOPE INTERCEPT

TLE

RW

ASP CE

ASP

GUY POLE

VILLAGE OF PULASKI (SANITARY SEWER)

VILLAGE OF PULASKI (WATER)

STA 8+47.08= STA 250+00

CAUTION

7+00 8+00 9+00 10+00 11+00 12+00

N 0°21'32" E STH 32/S WISCONSIN ST

STA 12+91.83= STA 350+00

STA 12+71.54= STA 300+00

N 89°40'14" W

S 89°38'33" W

ASP PE

BASE AGG PE

BASE AGG

BASE AGG CE

WE ENERGIES (GAS)

WE ENERGIES (ELECTRIC)

REMOVING CONCRETE BASES

POTENTIAL UNDERGROUND STORAGE TANK

ESTATE OF ANGELINE E. BOROWSKI

TAMMY L. DEAUTSCHER

EDWARD & DELORES J. LEWIS

RUSSEL J. & CRYSTAL M. CIEZKI

WESLEY A. SCHUBERT

ALLEY

RSOJLO PROPERTIES LLC

PI STA 299+50.00

99+00 PULASKI ST

S 88°36'37" W

LEGEND

APPROXIMATE PETROLEUM-CONTAMINATED SOIL AREA

APPROXIMATE LEAD-CONTAMINATED SOIL AREA

POTENTIAL UNDERGROUND STORAGE TANK

5

5

VPC STA 7+27.00
VPC EL 800.15

VPI STA 8+27.00
VPI EL 799.64

VPT STA 9+27.00
VPT EL 798.65

VPC STA 10+52.00
VPC EL 797.42

VPI STA 11+02.00
VPI EL 796.92

VPT STA 11+52.00
VPT EL 796.77

VPI STA 12+43.00
VPI EL 796.50

VPI STA 12+71.54
VPI EL 796.39

-0.51%

VCL = 200'
K = 421

-0.99%

VCL = 100' K = 145

-0.30%

-0.39%

EXISTING PROFILE

FINISHED PROFILE

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

7+00	8+00	9+00	10+00	11+00	12+00
800.53 800.29	800.42 800.19	800.31 800.09	800.20 799.97	800.08 799.85	799.95 799.72
799.82 799.58	799.69 799.42	799.55 799.26	799.41 799.09	799.25 798.91	799.06 798.72
798.84 798.52	798.61 798.33	798.39 798.13	798.20 797.93	798.03 797.73	797.87 797.54
797.71 797.34	797.56 797.17	797.42 797.02	797.30 796.90	797.19 796.81	797.08 796.75
796.99 796.69	796.92 796.63	796.88 796.57	796.86 796.51	796.85 796.43	

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 147	E

WDNR
MOUNTAIN BAY
RECREATIONAL TRAIL

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

RSOJLO PROPERTIES LLC

POTENTIAL UNDERGROUND STORAGE TANK

ATNA DEVELOPMENT LLC.

ALL WASHED UP, LLC

CANOPY

T 25 N R 19 E
5 6

DO NOT DISTURB

BEGIN CONSTRUCTION
STA 298+45
MATCH EXISTING SAW CUT REQ'D
298+00

E PULASKI ST

N 89°40'14" W

PI STA 298+50.00

S 88°36'37" W

PI STA 299+50.00

STA 12+71.54=
STA 300+00

STA 12+91.83=
STA 350+00

N 89°40'14" W

S WISCONSIN ST

STH 32 N 0°21'32" E

12+00

13+00

14+00

15+00

16+00

STH 32/E PULASKI ST

N 89°40'14" W

VILLAGE OF PULASKI
(SANITARY SEWER)

VILLAGE OF PULASKI
(WATER)

WE ENERGIES
(ELECTRIC)

WE ENERGIES
(GAS)

NORTHEAST TELEPHONE
(COMMUNICATIONS)

SLOPE INTERCEPT

BASE AGG

REMOVING CONCRETE BASES

CP 801
1" I.P. W/ RED CAP
Y=624859.167
X=42854.938

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC

MARQUIS YACHTS, LLC

N WISCONSIN ST

= CLEARING AND GRUBBING
1 REMOVING CONCRETE SIDEWALK
2 REMOVING CURB & GUTTER

N

LEGEND

APPROXIMATE PETROLEUM-CONTAMINATED SOIL AREA

POTENTIAL UNDERGROUND STORAGE TANK

VPI STA 298+45.00
VPI EL 797.29
VPC STA 298+50.00
VPC EL 797.17
VCL = 140' K1 = 27.63 K2 = 89.53
-2.40%
LP STA 299+52.63
LP EL 796.27
VPI STA 299+00.00
VPI EL 795.97
VPCC STA 299+00.00
VPCC EL 796.42
VPT STA 299+90.00
VPT EL 796.35
EXISTING PROFILE
0.42%
FINISHED PROFILE
VPC STA 14+04.00
VPC EL 796.94
HP STA 14+45.62
HP EL 797.03
VPI STA 14+54.00
VPI EL 797.15
VCL = 100' K = 100
VPT STA 15+04.00
VPT EL 796.86
-0.59%
VPC STA 15+21.00
VPC EL 796.76
VCL = 100' K = 113
LP STA 15+87.12
LP EL 796.56
VPI STA 15+71.00
VPI EL 796.46
FINISHED PROFILE ELEVATION
EXISTING PROFILE ELEVATION

812 808 804 800 796 792 788 784

796.23 796.52 796.81 797.09 797.42 797.35 797.12 796.95 796.88 796.61 796.64 796.42 796.58 796.33 796.53 796.28 796.51 796.27 796.76 796.31 796.91 796.39 796.92 796.42 796.90 796.51 796.88 796.59 796.86 796.67 796.87 796.76 796.93 796.84 796.98 796.92 797.03 797.00 797.06 797.03 797.05 797.02 797.01 796.97 796.94 796.88 796.86 796.76 796.75 796.66 796.69 796.60 796.69 796.57 796.71 796.57

298+00 299+00 12+72 13+00 14+00 15+00 16+00

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 148 E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050103_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

= CLEARING AND GRUBBING

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

McDERMID REALTY PARTNERSHIP, LLP

WISCONSIN ELECTRIC COMPANY

MARGARET ADASIEWICZ

MARK & PATRICIA FEMLING

DAVID A. & SHERRIL L. OLSON

AMY J. ANGELI

PINE ST

N 0°22'03" E

<CAUTION>

SLOPE INTERCEPT

BASE AGG PE

CONC PE

TLE

RW

WE ENERGIES (GAS)

VILLAGE OF PULASKI (SANITARY SEWER)

STA 18+69.03= STA 400+00

STH 32/E PULASKI ST

N 88°40'14" W

VILLAGE OF PULASKI (WATER)

WE ENERGIES (ELECTRIC)

SLOPE INTERCEPT

NORTHEAST TELEPHONE (COMMUNICATIONS)

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC

FEE

16+00 17+00 18+00 19+00 20+00 21+00 22+00

N

5

5

808 804 800 796 792 788 784 780

VPT STA 16+21.00
VPT EL 796.61

VPC STA 17+87.00
VPC EL 797.11

HP STA 18+18.78
HP EL 797.16

VPI STA 18+37.00
VPI EL 797.26

FINISHED PROFILE

LP STA 19+55.22
LP EL 796.72

0.30%

VCL = 100' K = 106

EXISTING PROFILE

VPRC STA 18+87.00
VPRC EL 796.94

VPI STA 19+37.00
VPI EL 796.62

VPT STA 19+87.00
VPT EL 796.77

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

16+00	17+00	18+00	19+00	20+00	21+00	22+00
796.71 796.57	796.79 796.61	796.82 796.67	796.82 796.73	796.85 796.79	796.86 796.85	796.86 796.91
796.86 796.97	796.85 797.03	796.83 797.09	796.78 797.14	796.78 797.16	796.74 797.14	796.71 797.08
796.70 796.98	796.71 796.87	796.71 796.78	796.76 796.73	796.80 796.72	796.90 796.75	796.98 796.81
797.05 796.87	797.13 796.93	797.22 796.99	797.30 797.05	797.39 797.11	797.52 797.17	797.55 797.23
797.56 797.29	797.57 797.35	797.56 797.41				

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 149	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050104_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
702	22+68, 76'LT	CHISLED SQUARE ON BOX CULVERT	796.85

= CLEARING AND GRUBBING
1 REMOVING CONCRETE SIDEWALK
2 REMOVING CURB & GUTTER

DOROTHY PEPLINSKI TRUSTEE
BM 702
WE ENERGIES (GAS)
CONC PE
FEE
TLE
RW
VILLAGE OF PULASKI
SLOPE INTERCEPT
VILLAGE OF PULASKI (WATER)
PROPERTY SOURCE LLC
DAVID BOROWSKI
BASE AGG PE
CONC PE
GREGORY P. & JANICE M. SMURAWA
ASP CE
FLORA ST
SCOTT D. & PAMELA JANSSEN
SLOPE INTERCEPT
ASP CE
N
N 0°22'38" W
22+00
23+00
24+00
25+00
26+00
27+00
28+00
VILLAGE OF PULASKI (SANITARY SEWER)
STH 32/E PULASKI ST
PI STA 26+67.93
N 89°40'14" W
N 89°39'13" W
STA 26+67.93= STA 450+00
PIPE RAILING, SEE CONSTRUCTION DETAILS
STRUCTURE C-05-98
WE ENERGIES (ELECTRIC)
NORTHEAST TELEPHONE (COMMUNICATIONS)
SLOPE INTERCEPT
ASP CE
FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC
STORM SEWER & CLEARING AND GRUBBING (BY OTHERS)
WING STRAPPING, SEE CONSTRUCTION DETAILS
TRIBUTARY OF THE LITTLE SUAMICO RIVER

812
808
804
800
796
792
788
784

FINISHED PROFILE
EXISTING PROFILE
0.30%
VPC STA 27+50.00
VPC EL 799.06
VCL = 100' K = 258
EXISTING STRUCTURE C-05-98
STA 22+56.34
5'X 8'DOUBLE CELL BOX CULVERT
15° LHF
STRUCTURE TO REMAIN
FINISHED PROFILE ELEVATION
EXISTING PROFILE ELEVATION

22+00	23+00	24+00	25+00	26+00	27+00	28+00
797.56 797.41	797.57 797.47	797.58 797.53	797.51 797.59	797.51 797.65	797.58 797.71	797.63 797.77
797.71 797.83	797.77 797.89	797.83 797.95	797.89 798.01	797.91 798.07	798.00 798.13	798.08 798.19
798.12 798.25	798.16 798.31	798.21 798.37	798.25 798.43	798.30 798.49	798.36 798.55	798.43 798.61
798.54 798.67	798.61 798.73	798.70 798.79	798.76 798.85	798.82 798.91	798.87 798.97	798.96 799.03
799.02 799.09	799.10 799.17	799.18 799.26				

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 150	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050105_pp.dgn
PLOT DATE : 10/2/2013
PLOT BY : walkup
PLOT NAME :
PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

= CLEARING AND GRUBBING

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

F&M BANK NORTHEAST

THE CONGREGATION OF THE ASSUMPTION BLESSED VIRGIN

POTENTIAL UNDERGROUND STORAGE TANK

POTENTIAL UNDERGROUND STORAGE TANK

SLOPE INTERCEPT

VILLAGE OF PULASKI (WATER)

VILLAGE OF PULASKI (SANITARY SEWER)

NORTHEAST TELEPHONE (COMMUNICATIONS)

WE ENERGIES (ELECTRIC)

SLOPE INTERCEPT

CP 802
IRON ROD IN SLEEVE
Y=624887.713
X=41193.313
ELEV=802.31

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC

28+00 29+00 30+00 31+00 32+00 33+00 34+00

STH 32/E PULASKI ST

N 89°39'13" W

N

VANDENBU

NOTE

EXISTING STREET LIGHTING TO BE REMOVED BY OTHERS.

LEGEND

APPROXIMATE PETROLEUM-CONTAMINATED SOIL AREA

POTENTIAL UNDERGROUND STORAGE TANK

VCL = 100' K = 258

0.69%

VCL = 200'
K = 539

1.06%

VPI STA 28+00.00
VPI EL 799.21

VPT STA 28+50.00
VPT EL 799.55

VPC STA 30+00.00
VPC EL 800.58

VPI STA 31+00.00
VPI EL 801.27

VPT STA 32+00.00
VPT EL 802.33

EXISTING PROFILE

FINISHED PROFILE

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

28+00	29+00	30+00	31+00	32+00	33+00	34+00
799.18	799.27	799.35	799.45	799.57	799.69	799.84	799.96	800.11	800.26	800.42	800.59	800.76	800.95	801.16	801.37	801.56	801.77	801.97	802.16	802.35	802.54	802.73	802.93	803.12	803.33	803.54	803.75	804.01	804.24	804.48
799.26	799.36	799.48	799.62	799.76	799.90	800.03	800.17	800.31	800.45	800.58	800.72	800.87	801.03	801.19	801.36	801.54	801.73	801.92	802.12	802.33	802.54	802.75	802.97	803.18	803.39	803.60	803.81	804.02	804.24	804.45

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 151 E

VANDENBUSH ENTERPRISES, LLC

NORTHEAST COMMUNICATION OF WISCONSIN

BRADLEY P. AMBROSIUS

LANDMARK REFERENCE MONUMENTS

LANDMARK REFERENCE MONUMENTS

T25N R19E 6 31 31 T26N R19E

T25N R19E 6 1 31 36 T26N R18E

POTENTIAL UNDERGROUND STORAGE TANK

SLOPE INTERCEPT

ASP CE

TLE

RW

FEE

S ST. AUGUSTINE ST

BEGIN CONSTRUCTION
STA 499+35
MATCH EXISTING
SAW CUT REQ'D

RICHARD T. KUEHN

WE ENERGIES (GAS)

SLOPE INTERCEPT

VILLAGE OF PULASKI (WATER)

PI STA 35+74.11

34+00

STH 32/E PULASKI ST

35+00

N 89°39'13" W

36+00

550+00

PI STA 550+30.00

551+00

552+00

STH 160/W PULASKI ST

553+00

554

N 87°28'43" W

N 86°11'03" W

STA 36+09.03=
STA 500+00

STA 36+12.46=
STA 550+00

WE ENERGIES (ELECTRIC)

VILLAGE OF PULASKI (SANITARY SEWER)

END CONSTRUCTION
STA 550+83
MATCH EXISTING
SAW CUT REQ'D

NORTHEAST TELEPHONE (COMMUNICATIONS)

SIGN

SLOPE INTERCEPT

N ST. AUGUSTINE ST

STH 32/

N 2°16'45" W

37+00

VILLAGE OF PULASKI

SLOPE INTERCEPT

NOTE

EXISTING STREET LIGHTING TO BE REMOVED BY OTHERS.

LEGEND

APPROXIMATE PETROLEUM-CONTAMINATED SOIL AREA

POTENTIAL UNDERGROUND STORAGE TANK

= CLEARING AND GRUBBING

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

REMOVING PAVEMENT

N

5

5

822 818 814 810 806 802 798 794

VPC STA 35+62.46
VPC EL 806.17

VPI STA 36+12.46
VPI EL 806.70

VPT STA 550+50.00
VPT EL 807.06

VPI STA 550+83.00
VPI EL 807.30

EXISTING PROFILE

FINISHED PROFILE

1.06%

0.73%

VCL = 100' K = 303

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

| | | |

NOTES

SEE PREVIOUS PLAN AND PROFILE SHEET FOR INFORMATION ON PAVEMENT REMOVAL AND CONTAMINATED SOIL WITHIN THE INTERSECTION OF PULASKI ST AND N ST. AUGUSTINE ST

PI STA 550+30.00
N 87°28'43" W
STH 160/W PULASKI ST
N 86°11'03" W
STA 36+12.46= STA 550+00
STA 36+09.03= STA 500+00
550+00
36+00
PI STA 35+74.11
STH 32/E PULASKI ST

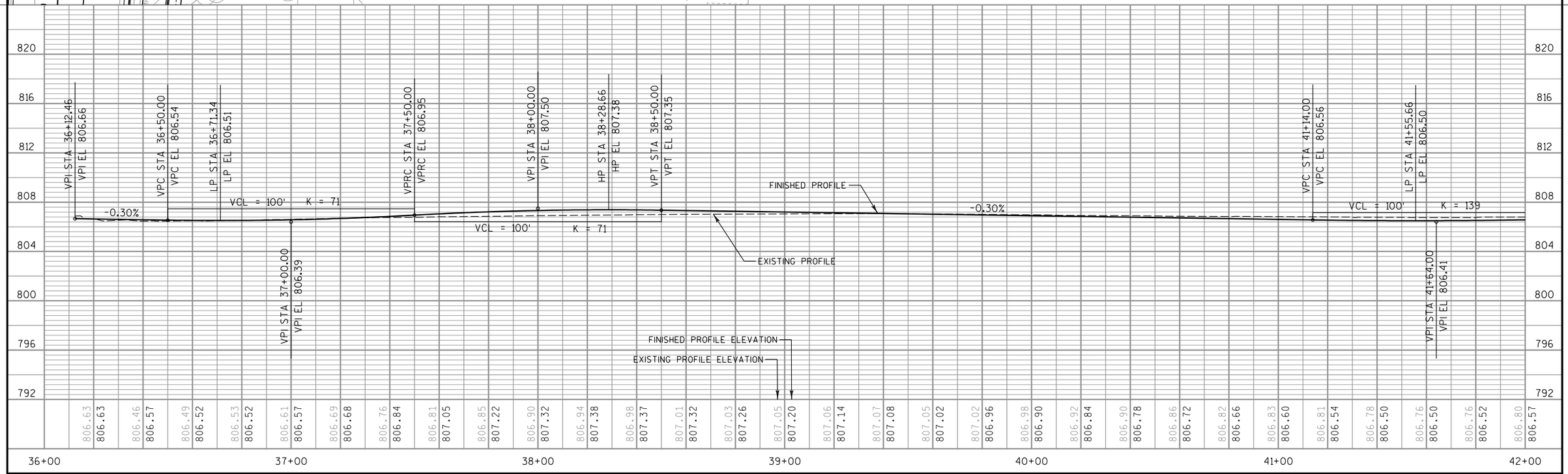
VILLAGE OF PULASKI
RONALD A. & MELISSA R. MADLEM
CP 803
1" I.P. W/RED CAP
Y=625004.132
X=40603.216
ELEV=807.50
CONC
PULASKI PROPERTIES, LLC
ALLEY
ROBERT & TRUDY WIED
AMERICAN LEGION POST 337 ADAM V. MIXTOCKI
KIM A. WOZNIAK
FLORENCE J. YUREK
ANDREW M. THOMAS
VILLAGE OF PULASKI (WATER)
SLOPE INTERCEPT
WE ENERGIES (GAS)
ASP
CE
PE
TLE
RW
FEE

37+00 38+00 39+00 STH 32/N ST. AUGUSTINE ST 40+00 41+00 42+00
N 2°16'45" W

WE ENERGIES (ELECTRIC)
NORTHEAST TELEPHONE (COMMUNICATIONS)
VILLAGE OF PULASKI (SANITARY SEWER)
SLOPE INTERCEPT
BM 703
BENCH MARK
FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.

= CLEARING AND GRUBBING
(1) REMOVING CONCRETE SIDEWALK
(2) REMOVING CURB & GUTTER

NO.	STATION	DESCRIPTION	ELEV.
703	40+60, 59' RT	BLUE PAINT ON SW FOUNDATION CORNER	807.52



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 153	E

= CLEARING AND GRUBBING

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

FRONTIER SAVINGS ASSOCIATION

ERICK & ANNE MARIE FINKE

GRANT I. WOJTA

ROBERT & PHYLLIS BETLEY

CHICAGO ST

ANTHONY LN

N 88°42'00" E

ASP CE

SLOPE INTERCEPT

ASP PE

CONC CE

CONC PE

TLE

RW

STA 44+28.31=
STA 600+00

PI STA44+28.31

42+00 43+00 44+00 45+00 STH 32/N ST. AUGUSTINE ST 46+00 47+00 48+00

N 2°16'45" W

N 2°10'21" W

VILLAGE OF PULASKI
(SANITARY SEWER)

WE ENERGIES
(ELECTRIC)

WE ENERGIES
(GAS)

VILLAGE OF PULASKI
(WATER)

CP 804
1" I.P. W/RED CAP
Y=625736.430
X=40648.293
ELEV=807.57

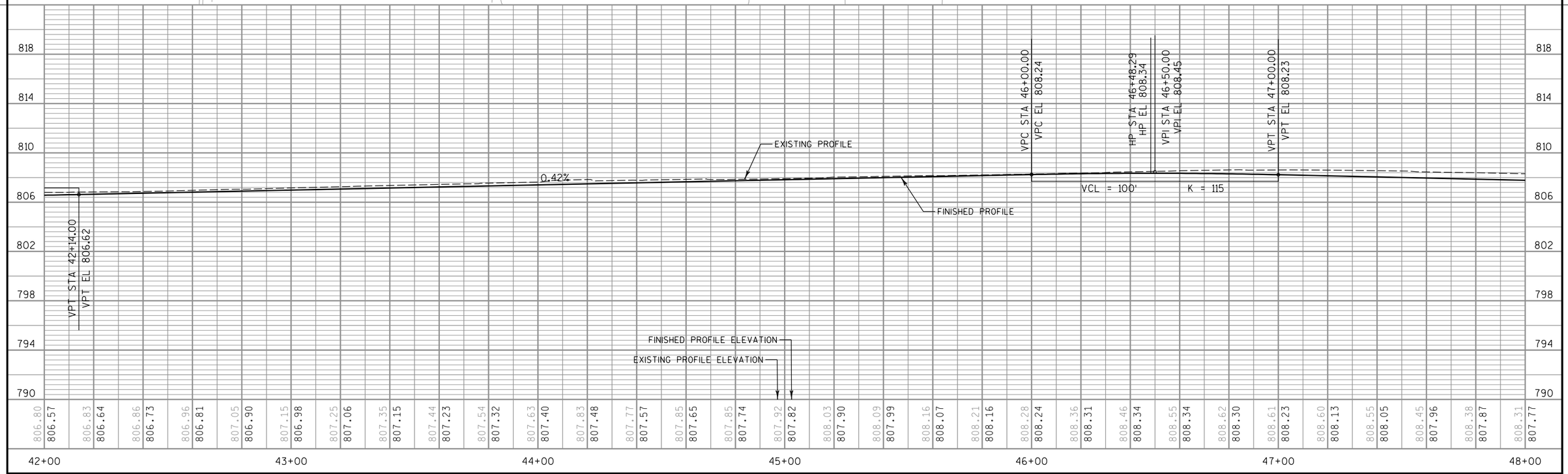
NORTHEAST TELEPHONE
(COMMUNICATIONS)

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.

5

5

N



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 154	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050109_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

= CLEARING AND GRUBBING

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

ROBERT J. & DENISE L. WILLIS

CONGREGATION OF THE HOLY CROSS OF PULASKI, WI

CHRISTOPHER G. & AMY J. JACOBS

JOSEPH M. ULLMER

ARLIN F. & GLORIA J. POLCZINSKI

WE ENERGIES (GAS)

ASP PE

NORTHEAST TELEPHONE (COMMUNICATIONS)

CONC CE

SLOPE INTERCEPT

BASE AGG PE

WE ENERGIES (ELECTRIC)

CONC PE

BASE AGG PE

BASE AGG PE

ASP PE

TLE

RW

SIGN

CAUTION

VILLAGE OF PULASKI (SANITARY SEWER)

PI STA49+38.85

PI STA51+64.95

48+00

49+00

50+00 STH 32/N ST. AUGUSTINE ST

51+00

52+00

53+00

54+00

N 2°10'21" W

N 2°12'53" W

N 2°03'27" W

VILLAGE OF PULASKI (WATER)

REMOVING FENCE

FEE

ASP CE

REMOVING CONCRETE BASES

SLOPE INTERCEPT

DELINEATED WETLAND BOUNDARY

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.

COUNTRY CARE PROPERTIES, LLC.

5

5

EXISTING PROFILE

0.45%

FINISHED PROFILE

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

48+00	49+00	50+00	51+00	52+00	53+00	54+00
808.31 / 807.77	808.24 / 807.69	808.13 / 807.60	808.02 / 807.51	807.91 / 807.42	807.80 / 807.33	807.71 / 807.24
807.66 / 807.14	807.54 / 807.06	807.46 / 806.97	807.39 / 806.88	807.29 / 806.79	807.19 / 806.70	807.09 / 806.61
806.99 / 806.51	806.89 / 806.43	806.82 / 806.34	806.75 / 806.25	806.70 / 806.16	806.71 / 806.07	806.65 / 805.98
806.61 / 805.88	806.60 / 805.80	806.58 / 805.71	806.55 / 805.62	806.53 / 805.53	806.49 / 805.44	806.42 / 805.35
806.34 / 805.26	806.26 / 805.17	806.19 / 805.08				

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 155	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050110_pp.dgn

PLOT DATE : 10/2/2013

PLOT BY : walkup

PLOT NAME :

PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

= CLEARING AND GRUBBING

JAMES E. HELMS & EDITH L. HELMS

MICHAEL M. & DONNA M. MAY

SMP ENTERPRISES, LLC

WE ENERGIES (ELECTRIC)

WE ENERGIES (GAS)

SLOPE INTERCEPT

FEE

NORTHEAST TELEPHONE (COMMUNICATIONS)

VILLAGE OF PULASKI (SANITARY SEWER)

VILLAGE OF PULASKI (WATER)

ASP PE

TLE

RW

CAUTION

54+00 55+00 56+00 57+00 STH 32/N ST. AUGUSTINE ST 58+00 59+00 60+00

P STA59+84.44

N 2°03'27" W

BM 704

COUNTRY CARE PROPERTIES, LLC.

DELINEATED WETLAND BOUNDARY

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
704	58+34, 50' RT	CHISLED X ON BURY BOLT ON HYDRANT	807.21

VPC STA 54+15.00
VPC EL 805.01

LP STA 54+69.96
LP EL 804.88

VPI STA 54+77.00
VPI EL 804.73

VPT STA 55+39.00
VPT EL 805.08

VPC STA 57+59.50
VPC EL 806.33

VPI STA 58+22.00
VPI EL 806.68

HP STA 58+32.09
HP EL 806.53

VPT STA 58+84.50
VPT EL 806.42

EXISTING PROFILE

FINISHED PROFILE

VCL = 124

K = 122

0.57%

VCL = 125'

K = 128

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

820 816 812 808 804 800 796 792

54+00	55+00	56+00	57+00	58+00	59+00	60+00
806.19 805.08	806.11 804.99	806.04 804.92	805.94 804.89	805.91 804.89	805.99 804.92	806.06 804.99
806.12 805.08	806.18 805.20	806.24 805.31	806.30 805.42	806.35 805.54	806.41 805.65	806.47 805.76
806.51 805.88	806.53 805.99	806.57 806.10	806.63 806.22	806.69 806.33	806.72 806.42	806.73 806.49
806.74 806.52	806.61 806.53	806.56 806.50	806.55 806.44	806.52 806.36	806.49 806.28	806.44 806.20
806.39 806.12	806.32 806.03	806.22 805.95				

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 156	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050111_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

= CLEARING AND GRUBBING

SMP ENTERPRISES, LLC

BROWN COUNTY

LANDMARK REFERENCE MONUMENTS

T26N R18E 36 31 T26N R19E

SHAWANO COUNTY

HARRY P. KRYSIAK

BASE AGG PE

WE ENERGIES (ELECTRIC)

WE ENERGIES (GAS)

SLOPE INTERCEPT

NORTHEAST TELEPHONE (COMMUNICATIONS)

TLE

RW

FEE

CAUTION

VILLAGE OF PULASKI (WATER)

VILLAGE OF PULASKI (SANITARY SEWER)

PI STA62+59.29

PT STA65+34.05

60+00 61+00 62+00 63+00 STH 32/N ST. AUGUSTINE ST 64+00 65+00 66+00

N 0°23'20" E

ASP PE

DELINEATED WETLAND BOUNDARY

SLOPE INTERCEPT

REMOVING CONCRETE BASE

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.

BROWN COUNTY

OCONTO COUNTY

WADE M. & KATHLEEN B. WILLIAMS

5

5

816 812 808 804 800 796 792 788

EXISTING PROFILE

FINISHED PROFILE

-0.41%

0.52%

VCL = 125'

K = 135

VPC STA 63+84.50
VPC EL 804.38

LP STA 64+39.51
LP EL 804.27

VPI STA 64+47.00
VPI EL 804.13

VPT STA 65+09.50
VPT EL 804.45

FINISHED PROFILE ELEVATION

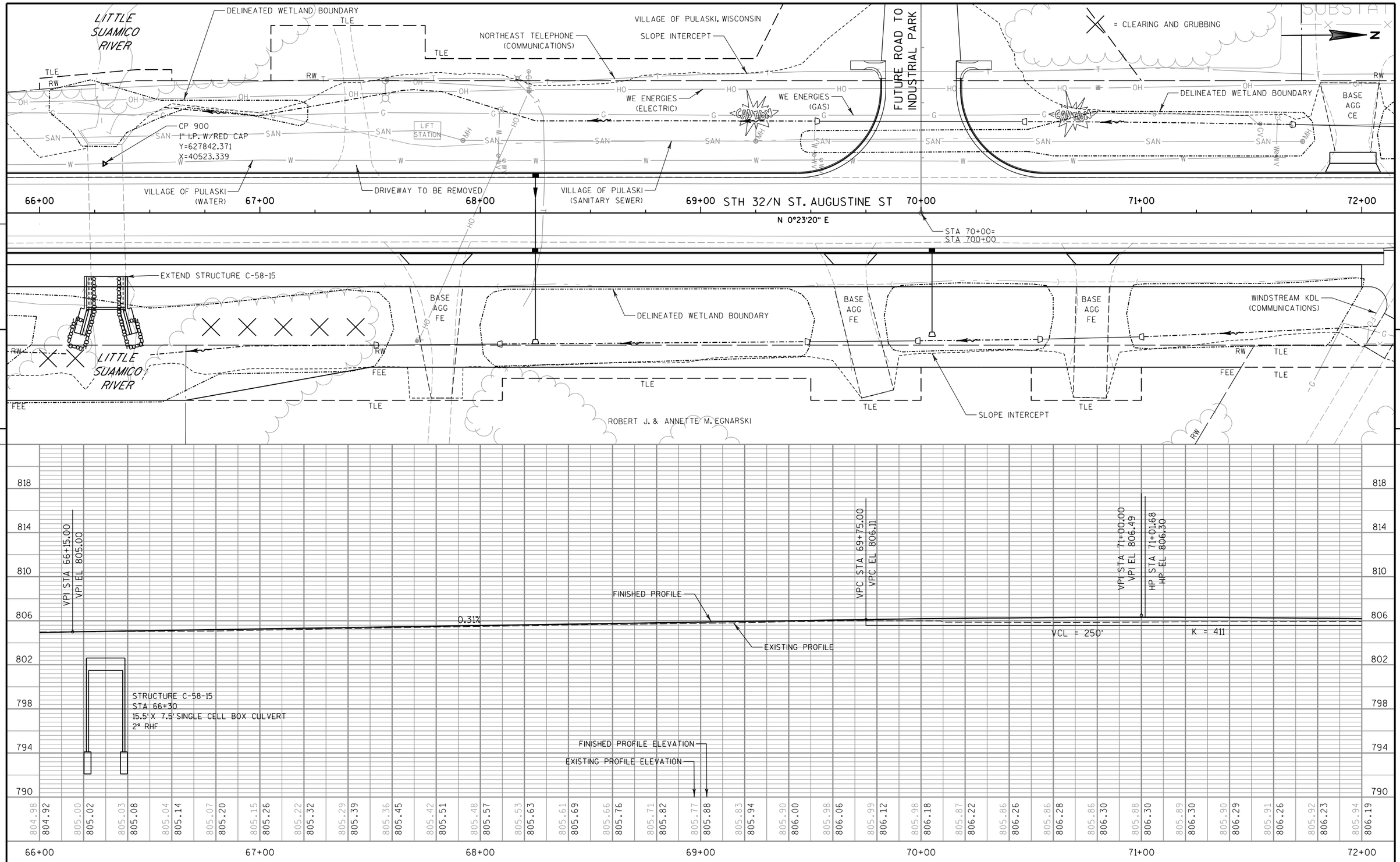
EXISTING PROFILE ELEVATION

60+00	61+00	62+00	63+00	64+00	65+00	66+00
806.22 805.95	806.12 805.87	805.99 805.79	805.86 805.71	805.77 805.63	805.71 805.54	805.65 805.46
805.59 805.38	805.53 805.30	805.48 805.22	805.44 805.14	805.41 805.05	805.36 804.97	805.31 804.89
805.25 804.81	805.21 804.73	805.16 804.65	805.13 804.56	805.11 804.48	805.10 804.40	805.10 804.33
805.10 804.28	804.93 804.27	804.92 804.29	804.91 804.33	804.90 804.41	804.88 804.51	804.89 804.61
804.92 804.71	804.96 804.82	804.98 804.92				

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 157 E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050112_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 158	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050113_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

WISCONSIN GAS, LLC

CP 262
1" I.P. W/RED CAP
Y=628437.541
X=40527.511

WISCONSIN DEPARTMENT OF NATURAL RESOURCES

WDNR
MOUNTAIN BAY
RECREATIONAL TRAIL

ROBERT & ANNETTE EGNARSKI

= CLEARING AND GRUBBING

N

ASP CE

TLE

NORTHEAST TELEPHONE (COMMUNICATIONS)

SLOPE INTERCEPT

DELINEATED WETLAND BOUNDARY

RW

BASE AGG CE

BASE AGG

WE ENERGIES (ELECTRIC)

WE ENERGIES (GAS)

DELINEATED WETLAND BOUNDARY

72+00 73+00 74+00 75+00 STH 32/N ST. AUGUSTINE ST 76+00 77+00 78+00

N 0°23'20" E

WINDSTREAM KDL (COMMUNICATIONS)

CAUTION

BASE AGG

BM K222

BASE AGG PE

SLOPE INTERCEPT

DELINEATED WETLAND BOUNDARY

BASE AGG FE

FEE

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
K222	72+58, 66'RT	IRON ROD IN SLEEVE	802.21

HON TRUST AGREEMENT

BERNADINE DOMBROWSKI

5

5

818 814 810 806 802 798 794 790

VPT STA 72+25.00
VPT EL 806.12

FINISHED PROFILE

-0.30%

EXISTING PROFILE

VPC STA 76+75.00
VPC EL 804.77

VCL = 250'

LP STA 77+73.73
LP EL 804.62

K = 329

VPI STA 78+00.00
VPI EL 804.39

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

| | | |

= CLEARING AND GRUBBING

ROBERT & ANNETTE EGNARSKI

SLOPE INTERCEPT

TLE

RW

WE ENERGIES (ELECTRIC)

FEE

701+00

NORTHEAST TELEPHONE (COMMUNICATIONS)

FREDERICK J. & PAM DOMBROWSKI

N

702+00

703+00 SNOWMOBILE TRAIL

CP 902
1" I.P. W/RED CAP
Y=629082.225
X=40528.789

WE ENERGIES (GAS)

CAUTION

DELINEATED WETLAND BOUNDARY

78+00 79+00 80+00 81+00 STH 32/N ST. AUGUSTINE ST 82+00 83+00 84+00

N 0°23'20" E

REMOVE STRUCTURE C-58-16
CONSTRUCT STRUCTURE C-58-30

DELINEATED WETLAND BOUNDARY

BASE AGG FE

CAUTION

RW

FEE

TLE

SLOPE INTERCEPT

TRIBUTARY OF THE LITTLE SUAMICO RIVER

BERNADINE DOMBROWSKI

5

5

818
814
810
806
802
798
794
790

FINISHED PROFILE

0.46%

EXISTING PROFILE

VPI STA 78+00.00
VPI EL 804.39

VPT STA 79+25.00
VPT EL 804.97

STRUCTURE C-58-30
STA 78+79.47
5' X 6' SINGLE CELL BOX CULVERT
0° RHF

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

| | | |

NORTHEAST TELEPHONE (COMMUNICATIONS)

WE ENERGIES (ELECTRIC)

PETER P. WILINSKI

SLOPE INTERCEPT

= CLEARING AND GRUBBING

N

DEER DR

SNOWMOBILE TRAIL

705+00

704+00

BASE AGG FE

DELINEATED WETLAND BOUNDARY

FEE

RW

CAUTION

END PROJECT
STA 88+60.00
MATCH EXISTING
SAW CUT REQ'D

84+00

85+00

PC STA85+37.51

86+00

STH 32/N ST. AUGUSTINE ST

87+00

88+00

89+00

90+00

N 0°23'20" E

PI STA89+14.30

T26N R18E 25 30 36 31 T26N R19E

DO NOT DISTURB

WE ENERGIES (GAS)

TLE

SIGN

POLISH NATIONAL CEMETERY ASSOCIATION OF PULASKI, WISCONSIN

S CHASE RD

5

5

822 818 814 810 806 802 798 794

EXISTING PROFILE

0.46%

0.26%

VPC STA 85+66.00
VPC EL 807.92

VPI STA 86+66.00
VPI EL 808.38

VPT STA 87+66.00
VPT EL 808.63

VPI STA 88+60.00
VPI EL 808.88

VCL = 200'

K = 996

FINISHED PROFILE

STA 84+94
1-24"x38" HE-IV CPRC REQUIRED
SKEW 61° LHF

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

807.54 807.15 807.64 807.24 807.74 807.34 807.83 807.43 807.89 807.52 807.96 807.61 808.02 807.70 808.08 807.80 808.17 807.89 808.36 807.98 808.55 808.07 808.61 808.15 808.67 808.23 808.72 808.30 808.74 808.37 808.79 808.44 808.82 808.50 808.85 808.56 808.89 808.62 808.92 808.67 808.91 808.72 808.91 808.77 808.90 808.83 808.88 808.88 808.92 808.97 808.99 808.97 808.94 808.91 808.87

84+00 85+00 86+00 87+00 88+00 89+00 90+00

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - STH 32	SHEET 161	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050116_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

= CLEARING AND GRUBBING

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

N

DONALD P. VOGT & LINDA M. VOGT

SLOPE INTERCEPT

CONC PE

RW

TLE

WE ENERGIES (GAS)

RONALD P. LaROCK & SUZANNE R. GIBSON

SLOPE INTERCEPT

ASP

ALLEY

VILLAGE OF PULASKI (WATER)

196+00 197+00 198+00 WILLIAMS ST 199+00

S 89°34'42" E

STA 200+00= STA 4+62.41

BEGIN CONSTRUCTION
STA 198+23
MATCH EXISTING
SAW CUT REQ'D

KEVIN & MICHELE F. KUBIAK

SUSAN E. NACHTWEY

STH 32/S WISCONSIN ST

VILLAGE OF PULASKI (SANITARY SEWER)

EXISTING PROFILE

VPI STA 198+23.00
VPI EL 801.63

VPC STA 198+63.00
VPC EL 801.83

HP STA 198+70.22
HP EL 801.85

VPI STA 198+88.00
VPI EL 801.95

LP STA 199+55.78
LP EL 800.58

VPI STA 199+84.00
VPI EL 800.70

VPI STA 200+00.00
VPI EL 801.02

0.50%

VCL = 50' K = 14

VCL = 50' K = 14

0.50%

2.00%

FINISHED PROFILE

VPRC STA 199+13.00
VPRC EL 801.21

VPI STA 199+38.00
VPI EL 800.47

VPT STA 199+63.00
VPT EL 800.60

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

814 810 806 802 798 794 790 786

799.99 800.26 800.54 800.67 800.75 800.91 801.09 801.33 801.43 801.49 801.54 801.61 801.71 801.71 802.00 801.81 801.96 801.81 801.88 801.54 801.78 801.02 801.68 800.67 801.53 800.59 801.25 800.68 800.89 801.02

196+00 197+00 198+00 199+00 200+00

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - WILLIAMS ST	SHEET 162 E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050117_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

N

STH 32/S WISCONSIN ST

SUMMIT ST

246+00 247+00 248+00 249+00

BEGIN CONSTRUCTION
STA 249+07
MATCH EXISTING
SAW CUT REQ'D

S 89°36'33" E
STA 250+00=
STA 8+47.08

CAUTION

REBECCA L. DeMILLE

CONC CE

SLOPE INTERCEPT

ASP PE

BRIAN F. & ROSE M. EFFERT

BASE AGG PE

RUSSEL J. & CRYSTAL M. CIEZKI

WE ENERGIES (GAS)

VILLAGE OF PULASKI (WATER)

EDWARD & DELORES J. LEWIS

VILLAGE OF PULASKI (SANITARY SEWER)

RW TLE INL SS SAN W WV G GV MH HW

5

5

814 810 806 802 798 794 790 786

VPC STA 249+15.00 VPC EL 799.22
VPI STA 249+07.00 VPI EL 799.17
HP STA 249+20.75 HP EL 799.24
VPI STA 249+25.00 VPI EL 799.29
VPT STA 249+35.00 VPT EL 799.12
VPC STA 249+40.00 VPC EL 799.04
VPI STA 249+50.00 VPI EL 798.88
LP STA 249+55.34 LP EL 798.92
VPT STA 249+60.00 VPT EL 798.93
VPI STA 249+84.00 VPI EL 799.05
VPI STA 250+00.00 VPI EL 799.37

VCL K = 9
VCL K = 20
VCL K = 20

0.66% 1.65% 0.50% 2.00%

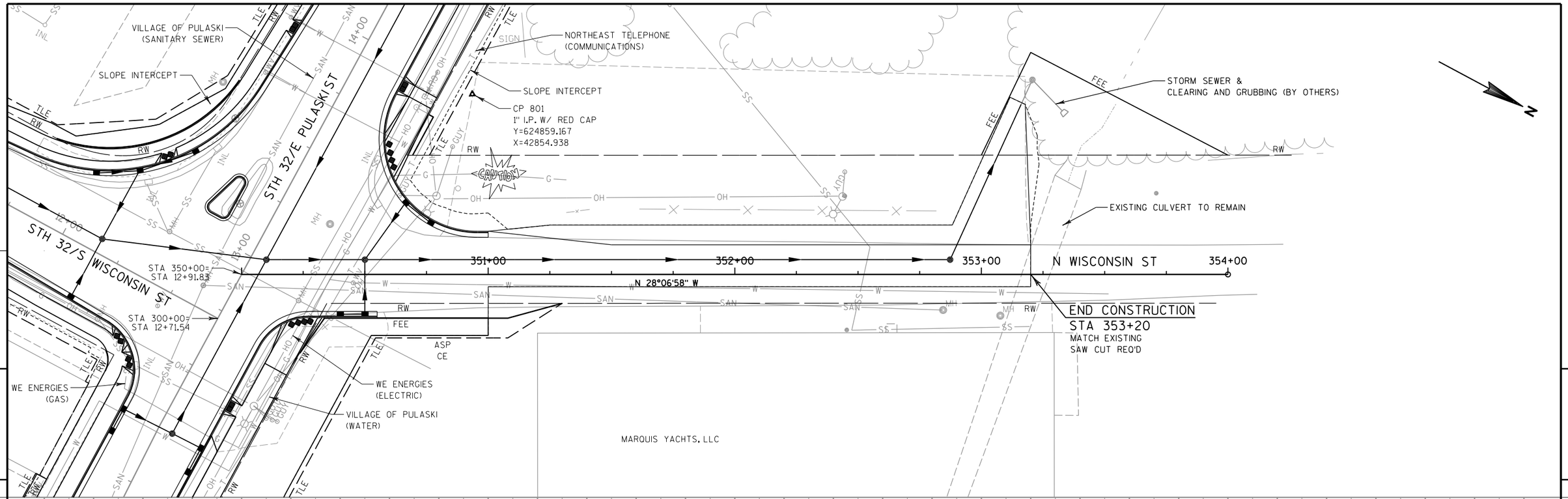
EXISTING PROFILE
FINISHED PROFILE

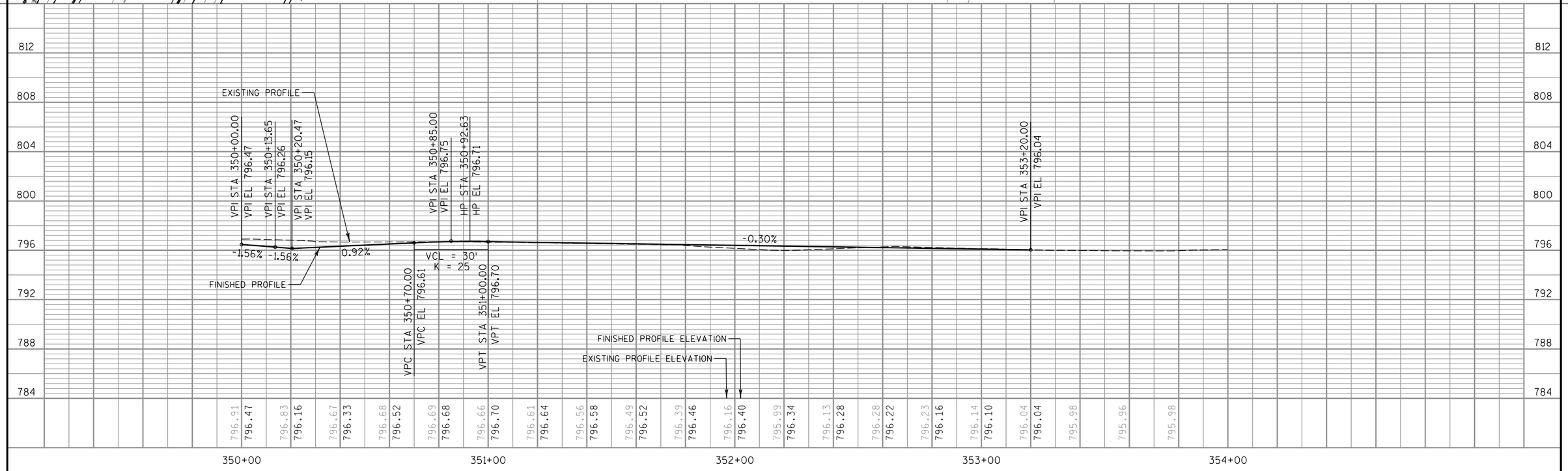
EXISTING PROFILE ELEVATION
FINISHED PROFILE ELEVATION

799.78 799.70 799.64 799.57 799.52 799.49 799.44 799.31 799.21 799.13 799.05 798.94 798.96 798.98 799.05 799.14 799.24 799.24 799.36 799.04 799.48 798.93 799.50 799.03 799.64 799.37

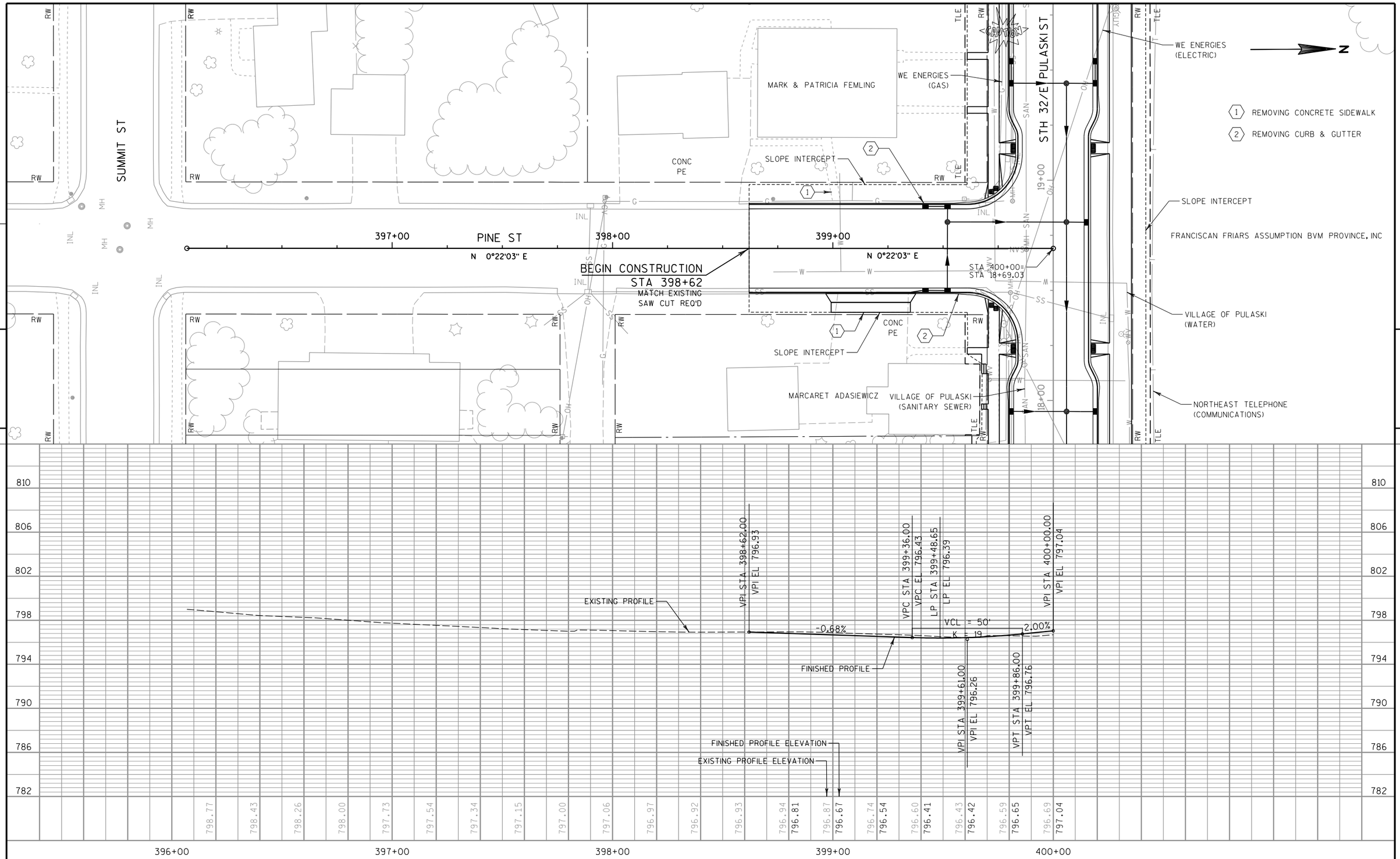
246+00 247+00 248+00 249+00 250+00

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - SUMMIT ST	SHEET 163	E





PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - N WISCONSIN ST	SHEET 164	E



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - PINE ST	SHEET 165	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050120_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

SUMMIT ST

ALLEY

FLORA ST

446+00

447+00

448+00

449+00

450+00

27+00

26+00 STH 32/E PULASKI ST

N

N 0°22'38" E

BEGIN CONSTRUCTION
STA 449+04
MATCH EXISTING
SAW CUT REQ'D

STA 450+00=
STA 26+67.93

WE ENERGIES
(ELECTRIC)

SCOTT D. & PAMELA JANSSEN

VILLAGE OF PULASKI
(WATER)

SLOPE INTERCEPT

SLOPE INTERCEPT

SLOPE INTERCEPT

VILLAGE OF PULASKI
(SANITARY SEWER)

GREGORY P. & JANICE M. SMURAWA

FRANCISCAN FRIARS ASSUMPTION BVM PROVINCE, INC.

NORTHEAST TELEPHONE
(COMMUNICATIONS)

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

EXISTING PROFILE

FINISHED PROFILE

VPI STA 449+04.00
VPI EL 798.57

VPC STA 449+31.00
VPC EL 798.24

LP STA 449+50.11
LP EL 798.12

VPI STA 450+00.00
VPI EL 798.81

VCL = 50' K = 15

-1.24%

2.00%

VPI STA 449+56.00
VPI EL 797.93

VPT STA 449+81.00
VPT EL 798.43

EXISTING PROFILE ELEVATION

FINISHED PROFILE ELEVATION

814 810 806 802 798 794 790 786

798.82 798.91 798.79 798.61 798.57 798.50 798.36 798.26 798.25 798.20 798.14 798.18 798.23 798.28 798.30 798.48 798.49 798.56 798.63 798.38 798.70 798.16 798.70 798.15 798.63 798.41 798.72 798.81

446+00 447+00 448+00 449+00 450+00

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - FLORA ST	SHEET 166	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050121_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

N

= CLEARING AND GRUBBING

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

REMOVING PAVEMENT

WE ENERGIES (GAS)

WE ENERGIES (ELECTRIC)

RICHARD T. KUEHN

BEGIN CONSTRUCTION
STA 499+35
MATCH EXISTING
SAW CUT REQ'D

497+00 498+00 499+00

N 2°13'11" E

S ST. AUGUSTINE ST

N 2°13'11" E

PI STA 550+30.00

STH 160/W PULASKI ST

N 87°28'43" W

N 86°11'03" W

STA 36+12.46=
STA 550+00

STA 36+09.03=
STA 500+00

36+00 37+00 38+00 39+00

N 2°16'45" W

N ST. AUGUSTINE ST

STH 32

VILLAGE OF PULASKI (SANITARY SEWER)

RONALD A. & MELISSA R. MADLEM

PULASKI PROPERTIES, LLC

ROBERT & TRUDY WIED

VILLAGE OF PULASKI

CP 803
1" I.P. W/RED CAP
Y=625004.132
X=40603.216
ELEV=807.50

CONC CE

ASP CE

VILLAGE OF PULASKI (WATER)

BRADLEY P. AMBROSIUS

ANT.

PI STA 35+74.11

STH 32/E PULASKI ST

LANDMARK REFERENCE MONUMENTS

NORTHEAST TELEPHONE (COMMUNICATIONS)

LEGEND

APPROXIMATE PETROLEUM-CONTAMINATED SOIL AREA

EXISTING PROFILE

VPI STA 499+35.00
VPI EL 806.63

VPC STA 499+36.00
VPC EL 806.61

LP STA 499+55.22
LP EL 806.50

VPI STA 500+00.00
VPI EL 806.63

VCL = 24'
K = 16

0.30%

1.21%

FINISHED PROFILE

VPI STA 499+48.00
VPI EL 806.47

VPT STA 499+60.00
VPT EL 806.51

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

497+00	498+00	499+00	500+00
807.32 807.29 807.27 807.25 807.11 806.94 806.84 806.83 806.80 806.75 806.68 806.61	806.63 806.57	806.73 806.51	806.96 806.57	806.75 806.63

818 814 810 806 802 798 794 790

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - S ST. AUGUSTINE ST	SHEET 167	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050122_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

ERICK & ANNE MARIE FINKE

CONC
CE

TLE

RW

CP 804
I" I.P. W/RED CAP
Y=625736.430
X=40648.293
ELEV=807.57

N

SLOPE INTERCEPT

VILLAGE OF PULASKI
(SANITARY SEWER)

ASP
CE

RW

TLE

STH 32/N ST.
AUGUSTINE ST

45+00

SLOPE INTERCEPT

1

2

HO

GUY

SS

INL

W

CAUTION

596+00

597+00

CHICAGO ST

598+00

599+00

N 88°42'00" E

NORTHEAST TELEPHONE
(COMMUNICATIONS)

FRANCISCAN FRIARS ASSUMPTION
BVM PROVINCE, INC.

BEGIN CONSTRUCTION
STA 598+57
MATCH EXISTING
SAW CUT REQ'D

VILLAGE OF PULASKI
(WATER)

STA 44+28.31=
STA 600+00

SAN

44+00

OH

SIGN

MH

WE ENERGIES
(ELECTRIC)

FRONTIER SAVINGS ASSOCIATION

WE ENERGIES
(GAS)

HW

A/C

1 REMOVING CONCRETE SIDEWALK

2 REMOVING CURB & GUTTER

5

5

EXISTING PROFILE

VPI STA 598+57.00
VPI EL 807.63

VPC STA 598+25.00
VPC EL 806.96

LP STA 599+44.82
LP EL 806.86

VPI STA 600+00.00
VPI EL 807.56

-0.98%

VCL = 60' K = 20

1.99%

FINISHED PROFILE

VPI STA 599+55.00
VPI EL 806.67

VPT STA 599+85.00
VPT EL 807.26

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

596+00	597+00	598+00	599+00	600+00
811.13	810.75	810.38	810.12	809.82
809.41	809.07	808.82	808.59	808.43
808.29	808.19	808.11	808.04	807.70
807.66	807.62	807.60	807.58	807.40
807.54	807.21	807.49	807.01	807.39
806.87	807.29	806.92	807.30	807.17
807.74	807.56			

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - CHICAGO ST	SHEET 168 E

NOTE:
PROFILE FROM STA 699+00 TO STA 699+31
MAY BE ADJUSTED TO MATCH VILLAGE OF
PULASKI'S PLANS FOR ENTRANCE

697+00 — 698+00 — 699+00

FUTURE ROAD TO INDUSTRIAL PARK

S 89°36'40" E

BEGIN CONSTRUCTION
STA 699+00

NORTHEAST TELEPHONE
(COMMUNICATIONS)

DELINEATED WETLAND BOUNDARY

WE ENERGIES
(ELECTRIC)

WE ENERGIES
(GAS)

SLOPE INTERCEPT

SLOPE INTERCEPT

VILLAGE OF PULASKI
(SANITARY SEWER)

VILLAGE OF PULASKI
(WATER)

STA 700+00=
STA 70+00

STH 32/N ST. AUGUSTINE ST

N 0°23'20" E

71+00

70+00

BASE
AGG
FE

BASE
AGG
FE

N

CAUTION

818	818
814	814
810	810
806	806
802	802
798	798
794	794
790	790

FINISHED PROFILE

VPI STA 699+00.00
VPI EL 802.99

VPI STA 699+31.00
VPI EL 804.80

VPI STA 700+00.00
VPI EL 806.18

5.83%

2.00%

EXISTING PROFILE

24" CULVERT
STA 699+58.51
0° RHF

FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

803.18	803.23	803.38	803.07	802.63	801.71	800.02	802.13	802.40	802.81	802.99	802.99	802.88	804.16	803.12	804.98	802.41	805.38	805.21	805.78	805.98	806.18

697+00 — 698+00 — 699+00 — 700+00

PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	PLAN & PROFILE - INDUSTRIAL PARK	SHEET 169 E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\050124_pp.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:40

WISDOT/CADDS SHEET 40

= CLEARING AND GRUBBING

N

BEGIN CONSTRUCTION
STA 701+78
MATCH EXISTING

END CONSTRUCTION
STA 705+33
MATCH EXISTING

TLE

DELINEATED WETLAND BOUNDARY

N 27°39'08" E

701+00

N 15°36'05" E

SLOPE INTERCEPT

NORTHEAST TELEPHONE (COMMUNICATIONS)

FREDERICK J. & PAM DOMBROWSKI

WE ENERGIES (ELECTRIC)

OH

T

FEE

RW

702+00

703+00

704+00

705+00

706+00

N 23°19'14" W

SNOWMOBILE TRAIL

N 0°23'20" E

DELINEATED WETLAND BOUNDARY

WE ENERGIES (GAS)

G

SLOPE INTERCEPT

DELINEATED WETLAND BOUNDARY

5

81+00 82+00 83+00 STH 32/N ST. AUGUSTINE ST 84+00 85+00 86+00

818 814 810 806 802 798 794 790

VPI STA 701+78.00
VPI EL 804.11

VPI STA 705+33.00
VPI EL 806.62

FINISHED PROFILE

0.70%

EXISTING PROFILE

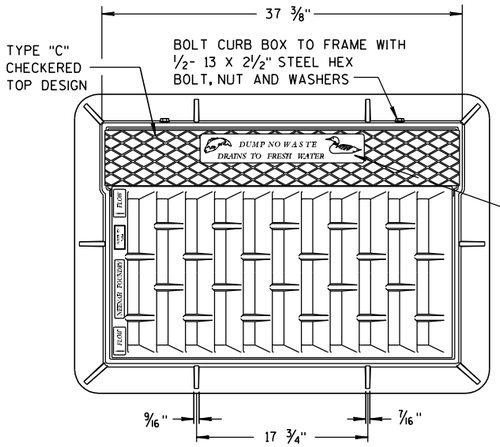
FINISHED PROFILE ELEVATION

EXISTING PROFILE ELEVATION

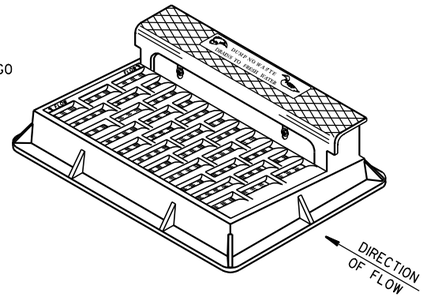
| | | |

Standard Detail Drawing List

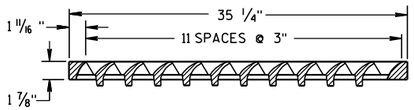
08A05-18A	INLET COVERS TYPE A, H, A-S, & H-S
08A05-18C	INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S
08A05-18D	INLET COVER, TYPE BW, Z MANHOLE COVERS, TYPE K, J, J-S, L & M
08A09-01	CATCH BASINS 2X3-FT AND 2.5X3-FT
08B09-01	MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT AND 8-FT DIAMETER
08D01-17	CONCRETE CURB, CONCRETE CURB AND GUTTER AND TIES
08D04-05	CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES
08D05-15A	CURB RAMPS TYPES 1 AND 1-A
08D05-15B	CURB RAMPS TYPES 2 AND 3
08D05-15C	CURB RAMPS TYPES 4A AND 4A1
08D05-15D	CURB RAMPS TYPE 4B AND 4B1
08D05-15E	CURB RAMPS TYPES 5, 6, 7A, 7B & 8
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
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
08F02-01	APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE
08F04-07	JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL
08F07-05	STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE FRAINS
11B02-02	CONCRETE MEDIAN NOSE
12A03-10	NAME PLATE (STRUCTURES)
12A04-03	STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES & OVERHEAD SIGN SUPPORTS & TRAFFIC SIGNALS
15A03-02A	FLEXIBLE MARKER POST FOR CULVERT END
15A03-02B	FLEXIBLE MARKER POST FOR CULVERT END
15C02-04A	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04B	BARRICADES AND SIGNS FOR MAINLINE CLOSURES
15C02-04C	DETOUR SIGNING FOR MAINLINE CLOSURES
15C03-01	BARRICADES AND SIGNS FOR SIDEROAD CLOSURES
15C05-01	TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS
15C07-12B	PAVEMENT MARKING WORDS
15C07-12C	PAVEMENT MARKING ARROWS
15C08-16A	PAVEMENT MARKING (MAINLINE)
15C08-16B	PAVEMENT MARKING (INTERSECTIONS)
15C08-16E	PAVEMENT MARKING (LEFT TURN LANE)
15C08-16F	PAVEMENT MARKING (ISLANDS)
15C12-03	TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)
15C23-02	30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE
15C33-01	STOP LINE AND CROSSWALK PAVEMENT MARKING
15D28-01	TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY
15D30-01	TRAFFIC CONTROL, SIDEWALK CLOSURE
16A01-06	LANDMARK REFERENCE MONUMENTS AND COVERS

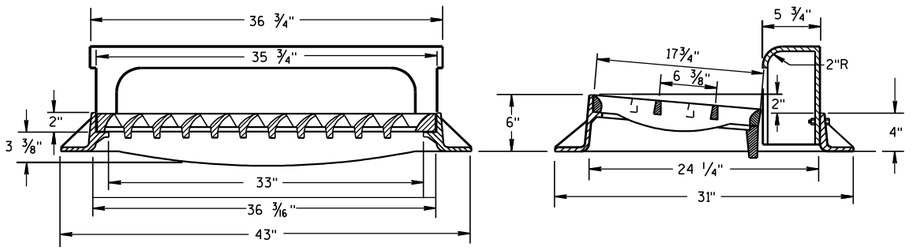


NOTE:
GRATE IS REVERSIBLE.



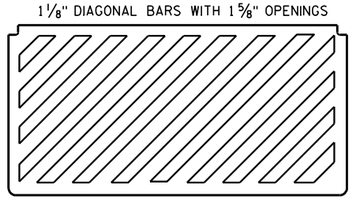
NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"





TYPE "H"

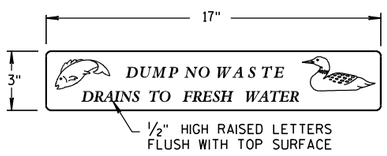
(APPROXIMATE WEIGHT 441 LBS.)
FRAME..... 181 LBS.
GRATE..... 146 LBS.
CURB BOX..... 114 LBS.



SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")
(APPROXIMATE WEIGHT 159 LBS.)
GRATE..... 159 LBS.

(NOTED AS TYPE H-S ON DRAINAGE TABLE)



LOGO DETAIL

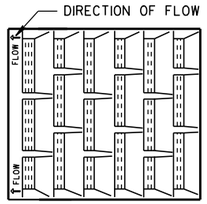
GENERAL NOTES

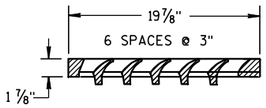
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

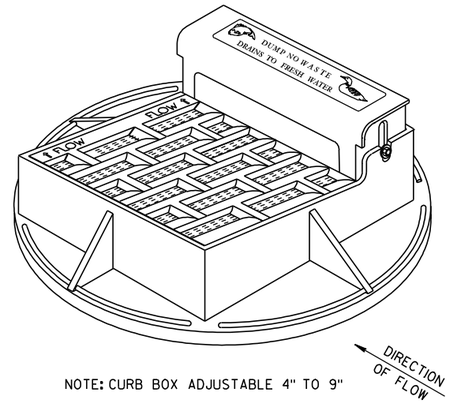
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

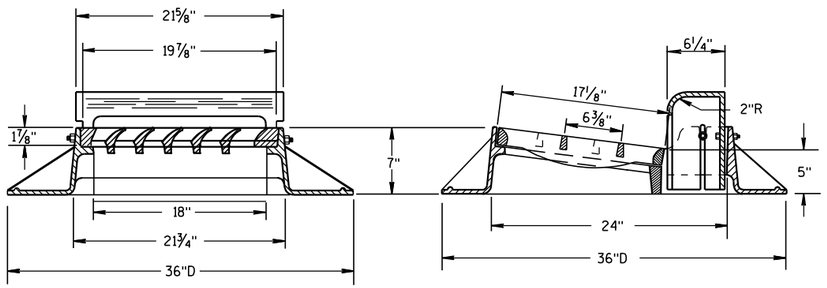
THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





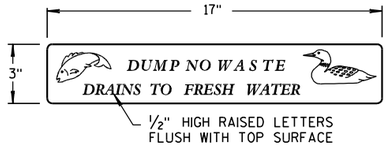


NOTE: CURB BOX ADJUSTABLE 4" TO 9"



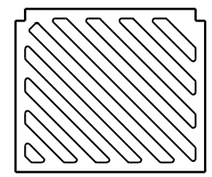
TYPE "A"

(APPROXIMATE WEIGHT 340 LBS.)
FRAME..... 185 LBS.
GRATE..... 71 LBS.
CURB BOX..... 84 LBS.



LOGO DETAIL

NOTE:
GRATE IS REVERSIBLE.



SPECIAL GRATE FOR TYPE "A" COVER

(MEASURES 19 3/4" X 17" X 1 7/8"
GRATE..... 84 LBS.

(NOTED AS TYPE A-S ON DRAINAGE TABLE)

INLET COVERS
TYPE A, H, A-S, & H-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

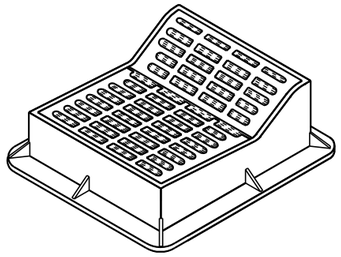
APPROVED
6/5/2012 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
172
FHWA

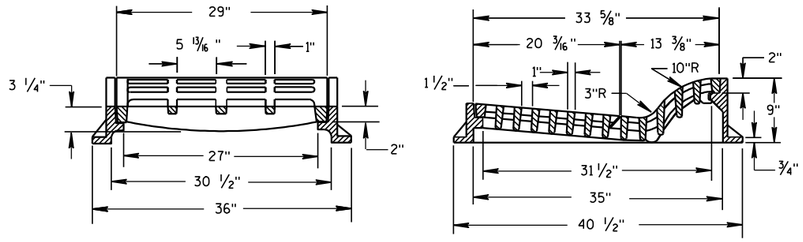
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S.D.D. 8 A 5-18a

6

S.D.D. 8 A 5-18a



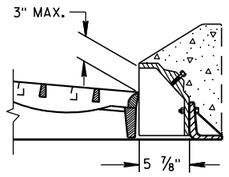


TYPE "F"

(APPROXIMATE WEIGHT 644 LBS.)

FRAME.....302 LBS.
GRATE.....160 LBS.
GRATE.....182 LBS.

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



ALTERNATIVE CURB BOX FOR TYPE "HM" COVER

(APPROXIMATE WEIGHT CURB BOX 68 LBS.)

USE WITH TYPES G & J CONCRETE CURB & GUTTER, 30 INCH
NOTED AS TYPE HM-GJ ON DRAINAGE TABLE

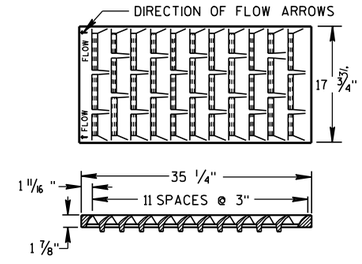
NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM-GJ" COVER
NOTED AS TYPE HM-GJ-S ON DRAINAGE TABLE

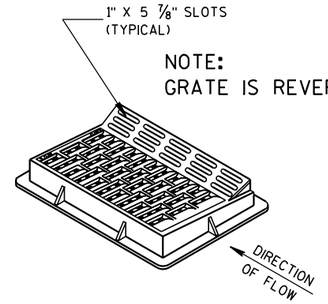
GENERAL NOTES

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

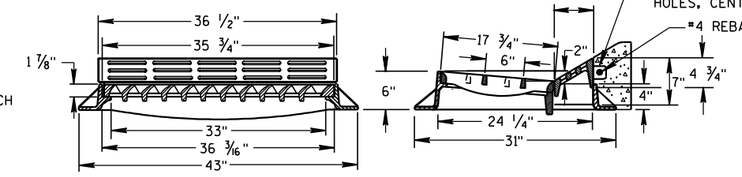
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

THE ACTUAL WEIGHT OF COVERS MAY VARY WITHIN 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.





NOTE:
GRATE IS REVERSIBLE.

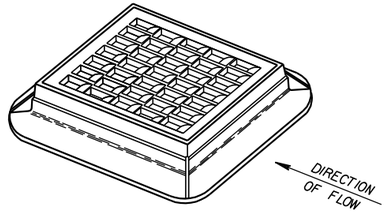


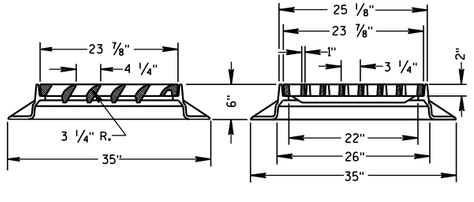
TYPE "HM"

(APPROXIMATE WEIGHT 414 LBS.)
FRAME..... 181 LBS.
GRATE..... 159 LBS.
CURB BOX..... 74 LBS.

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

NOTE:
SPECIAL GRATE FOR THE
TYPE "H" COVER MAY ALSO BE
USED FOR THE TYPE "HM" COVER
NOTED AS TYPE HM-S ON DRAINAGE TABLE

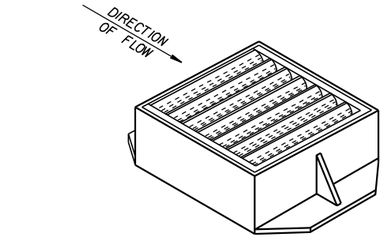


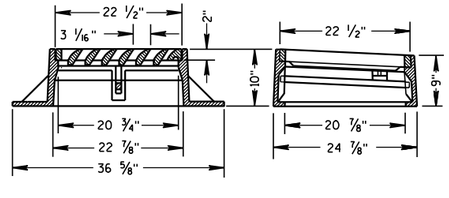


TYPE "S"

(APPROXIMATE WEIGHT 333 LBS.)

FRAME.....164 LBS.
GRATE..... 169 LBS.

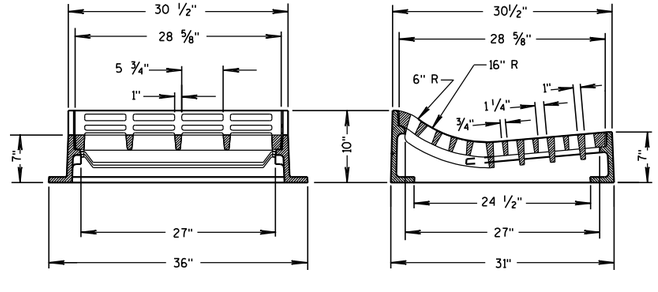




TYPE "V"

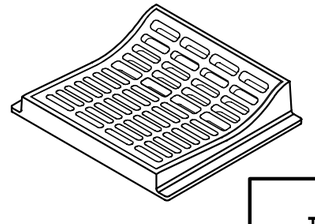
(APPROXIMATE WEIGHT 410 LBS.)

FRAME..... 269 LBS.
GRATE..... 136 LBS.
SAFETY BAR..... 5 LBS.



TYPE "T"

(APPROXIMATE WEIGHT 530 LBS.)
FRAME.....270 LBS.
GRATE.....260 LBS.
USE WITH TYPES R & T CONCRETE CURB & GUTTER, 36 INCH.



INLET COVERS TYPE F, HM, HM-S, S, T, V, HM-GJ, & HM-GJ-S

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

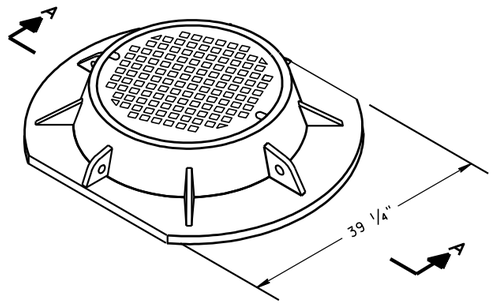
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

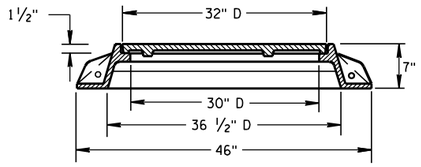
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S.D.D. 8 A 5-18c

6

S.D.D. 8 A 5-18c



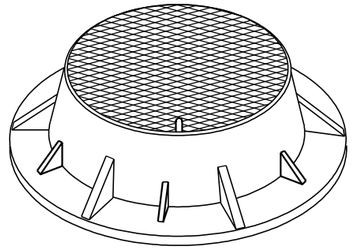


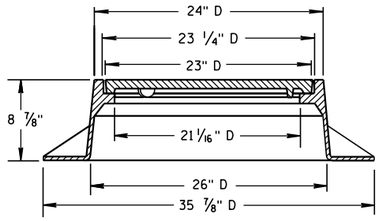
SECTION A-A

TYPE "K"

(APPROXIMATE WEIGHT 439 LBS.)

FRAME.....216 LBS.
LID.....223 LBS.

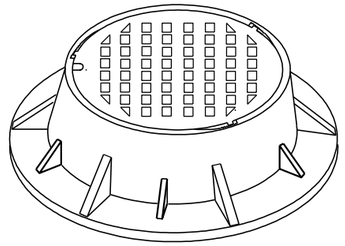


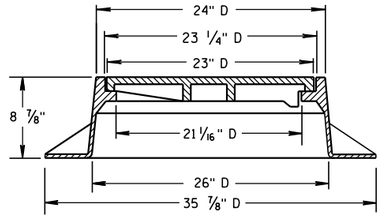


TYPE "J"

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....152 LBS.
LID.....115 LBS.





TYPE "J" SPECIAL

TYPE "B" NON-ROCKING SELF-SEAL LID

(APPROXIMATE WEIGHT 267 LBS.)

FRAME.....158 LBS.
LID.....109 LBS.

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

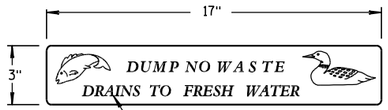
GENERAL NOTES

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.

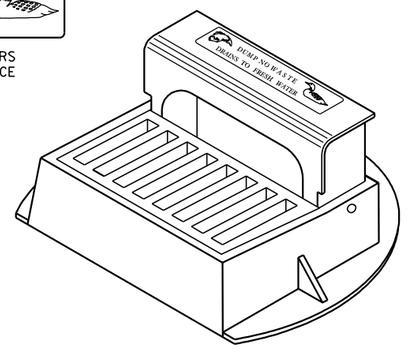
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

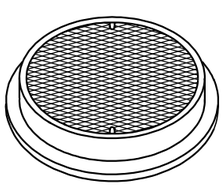
ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

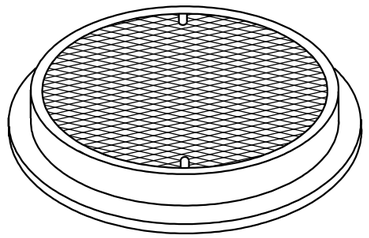
THE ACTUAL WEIGHT OF COVERS MAY VARY WITH 5 PERCENT, PLUS OR MINUS, OF THE APPROXIMATE WEIGHT.

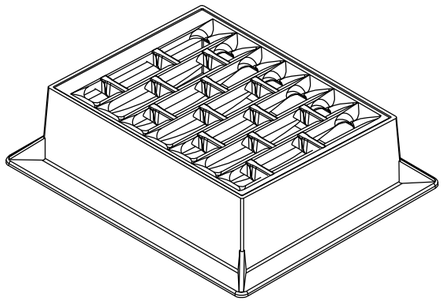


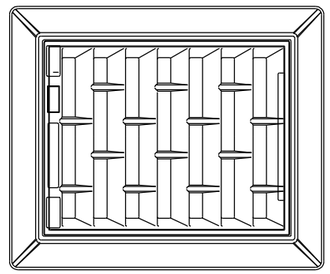
LOGO DETAIL

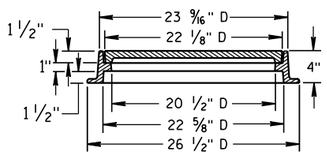








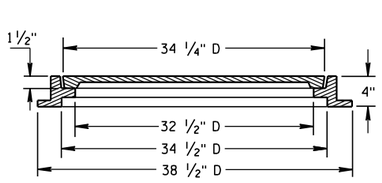




TYPE "L"

(APPROXIMATE WEIGHT 158 LBS.)

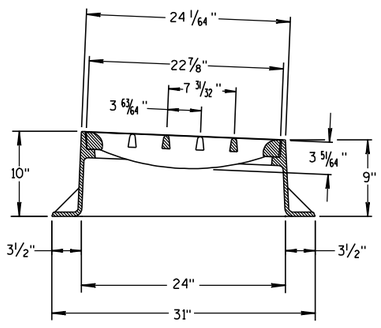
FRAME.....81 LBS.
LID.....77 LBS.

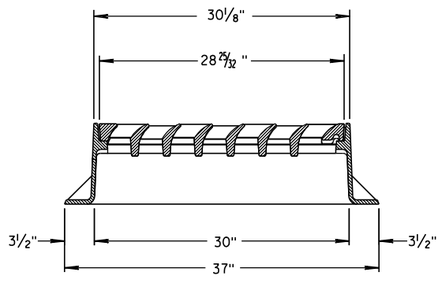


TYPE "M"

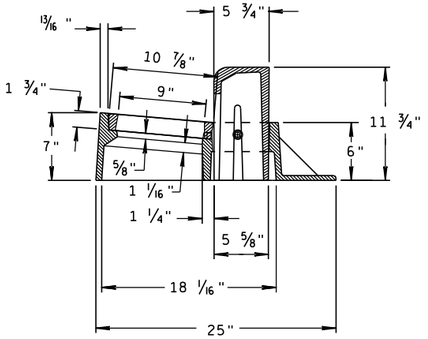
(APPROXIMATE WEIGHT 377 LBS.)

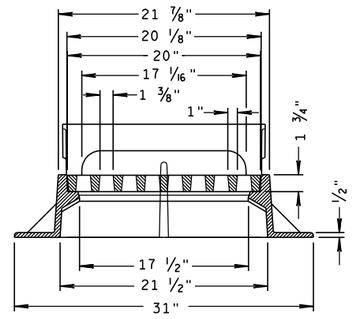
FRAME..... 125 LBS.
LID..... 252 LBS.





INLET COVER TYPE "BW"





INLET COVER TYPE "Z"

(APPROXIMATE WEIGHT 344 LBS.)

FRAME.....206 LBS.
GRATE..... 46 LBS.
CURB BOX..... 92 LBS.

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/5/2012
DATE

/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER

FHWA

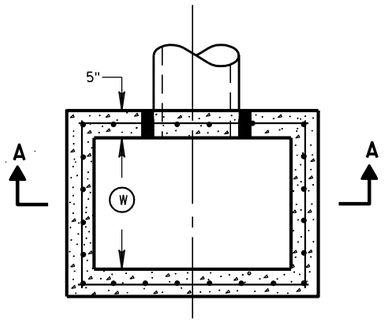
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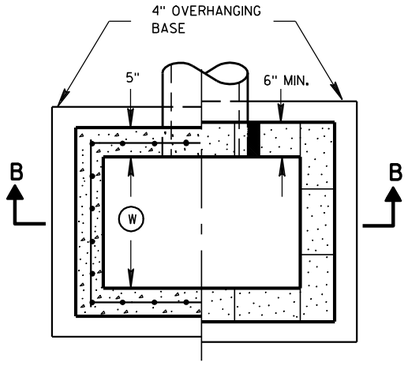
S.D.D. 8 A 5-18d

6

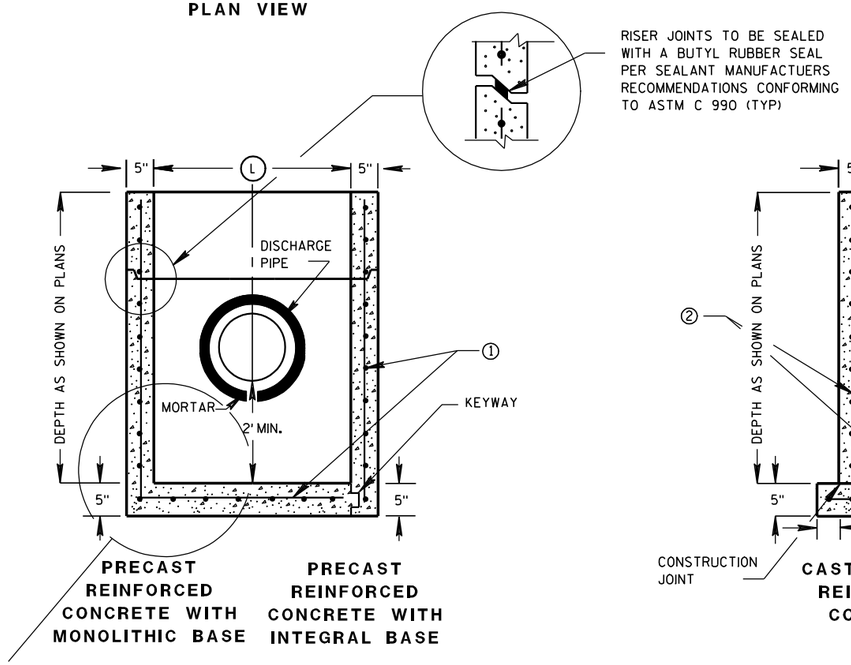
S.D.D. 8 A 5-18d



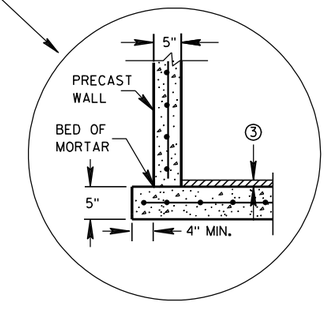
PLAN VIEW



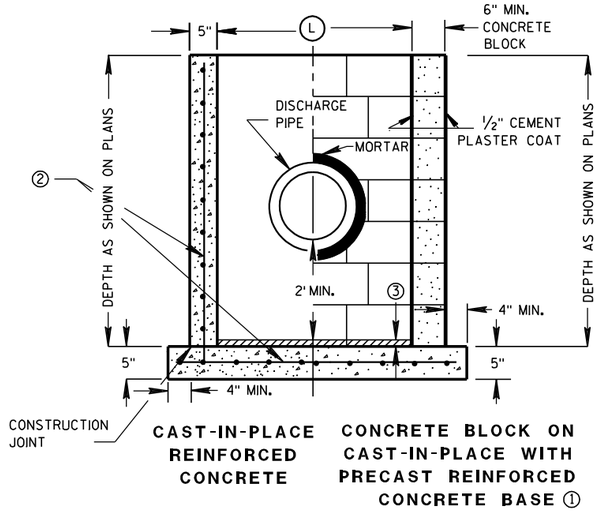
PLAN VIEW



SECTION A-A



SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION



SECTION B-B

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST CATCH BASIN UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST CATCH BASIN 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 GRANULAR 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 SEPERATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST CATCH BASINS 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.

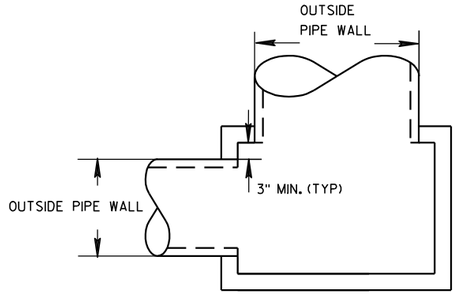
③ 1" CONCRETE KEY POURED AFTER INSTALLATION. 2' SUMP MEASURED FROM TOP OF KEY.

CATCH BASIN COVER MATRIX

CATCH BASIN SIZE		INLET COVER TYPE	F	ALL H'S
	WIDTH (W) (FT)	LENGTH (L) (FT)		
2X3-FT	2	3		X
2.5X3-FT	2.5	3	X	

PIPE MATRIX

CATCH BASIN SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	WIDTH (IN)	LENGTH (IN)
2X3-FT	12	24
2.5X3-FT	18	24



DETAIL "A"

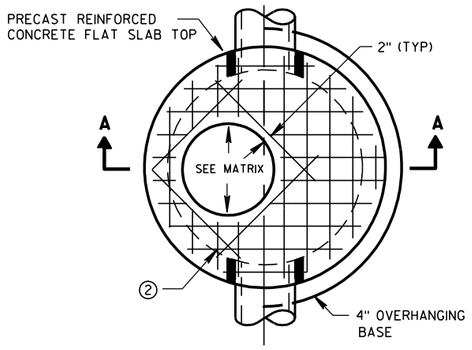
CATCH BASINS 2X3-FT AND 2.5X3-FT

CATCH BASINS 2X3-FT AND 2.5X3-FT

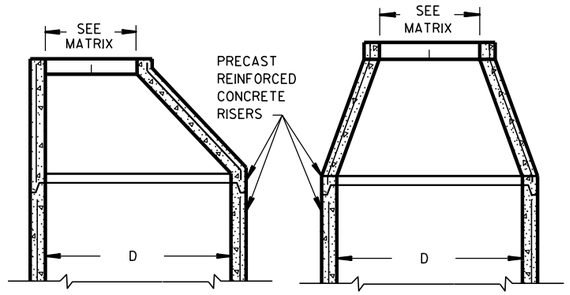
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6
S.D.D. 8 A 9-1

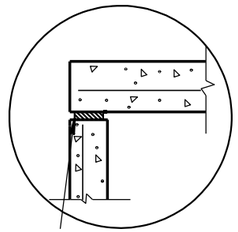


PLAN VIEW CIRCULAR OPENING

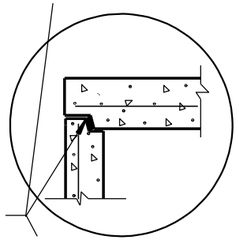


OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP

OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

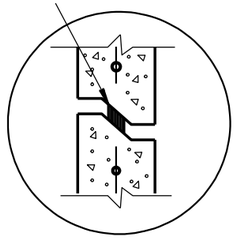


TOP WITH PLAIN END JOINT



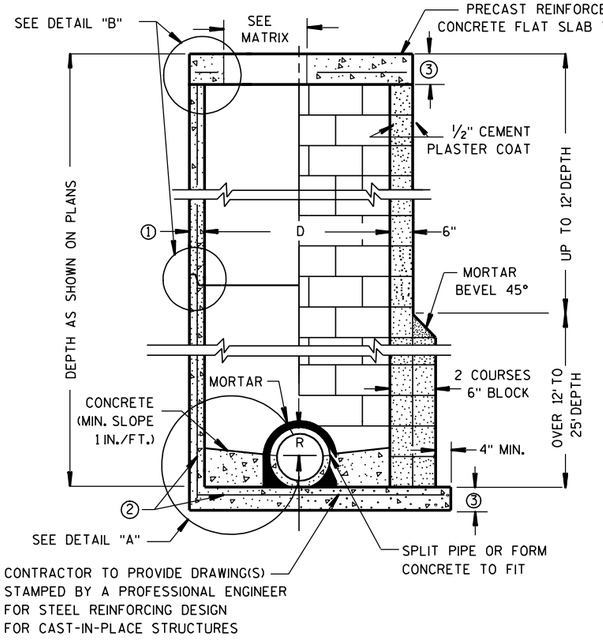
JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C990 (TYP)

TOP WITH TONGUE AND GROOVE JOINT



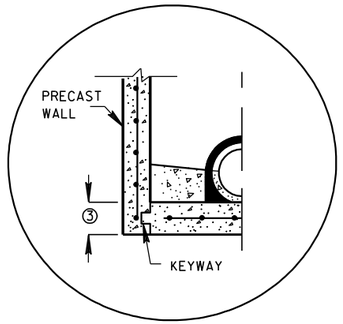
RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B"

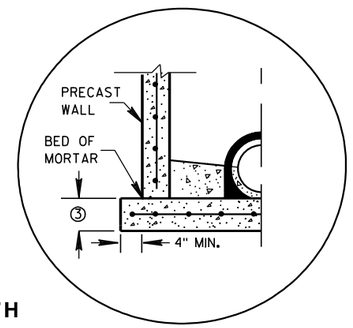


PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

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

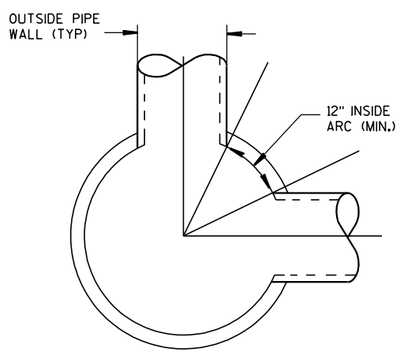


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPERATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "C"

GENERAL NOTES

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

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF GRANULAR 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. THE CONE TOPS SHALL BE INSTALLED ON A BED OF MORTAR.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES, AND CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½" AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

CONCRETE BLOCK WILL NOT BE PERMITED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M 199.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPERATE 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

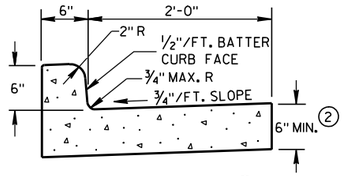
APPROVED

6/5/2012
DATE

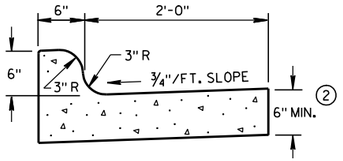
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER

FHWA

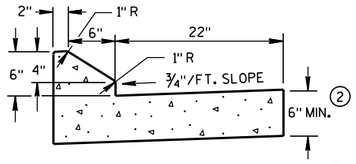
6
S.D.D. 8 B 9-1



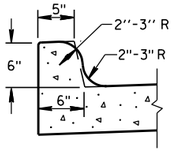
TYPES A & D (1)



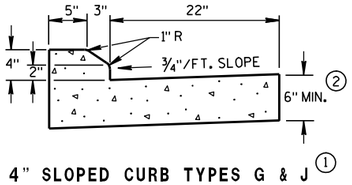
TYPES K & L (1)



6" SLOPED CURB TYPES G & J (1)

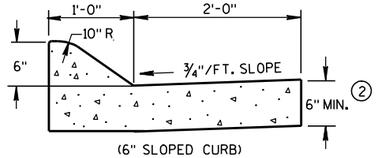


OPTIONAL CURB SHAPE FOR TYPES K & L (1)

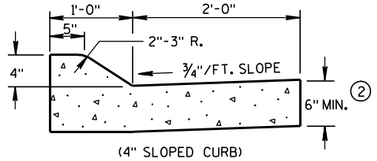


4" SLOPED CURB TYPES G & J (1)

CONCRETE CURB & GUTTER 30"

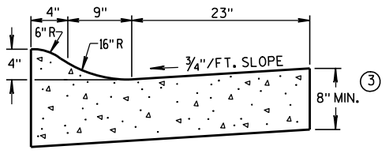


(6" SLOPED CURB)



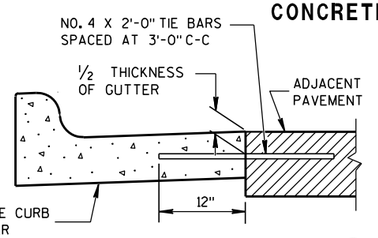
(4" SLOPED CURB)

TYPES A & D (1)

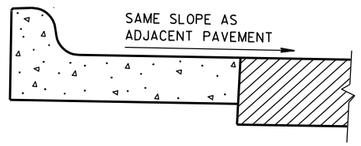


4" SLOPED CURB TYPES R & T (1) (4)

CONCRETE CURB & GUTTER 36"



TYPICAL TIE BAR LOCATION (1)



REVERSE SLOPE GUTTER (5)
(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. A LONGITUDINAL CONSTRUCTION JOINT IS NOT REQUIRED WITH INTEGRAL CURB AND GUTTER.

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.

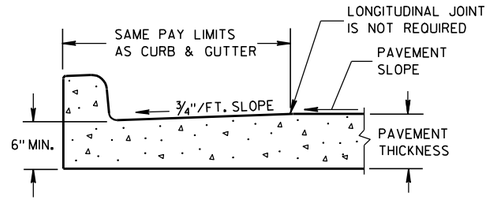
(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTER TYPES A, G, K AND R.

(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.

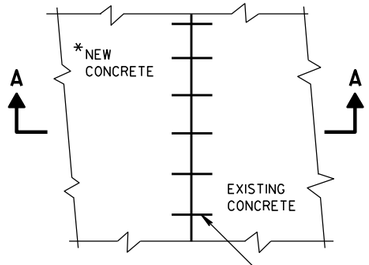
(3) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(4) THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(5) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

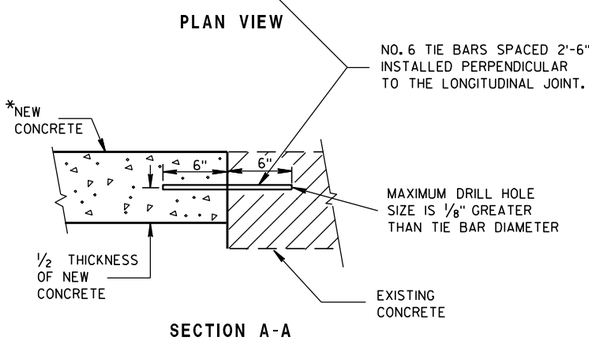


PARTIAL SECTION OF PAVEMENT WITH INTEGRAL CURB & GUTTER



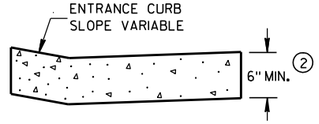
PLAN VIEW

*NEW CURB & GUTTER, SURFACE DRAINS, CONCRETE PAVEMENT OR OTHER NEW CONCRETE.

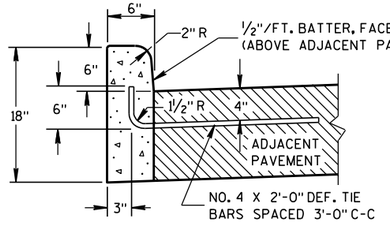


SECTION A-A

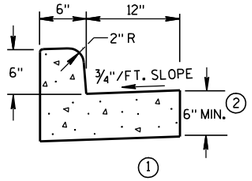
TIE BARS DRILLED INTO EXISTING PAVEMENT



DRIVEWAY ENTRANCE CURB
(WHEN DIRECTED BY THE ENGINEER)

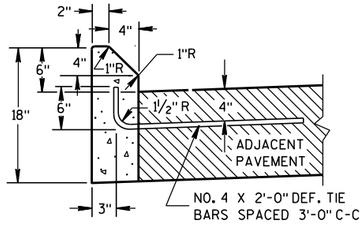


(1) TYPES A & D

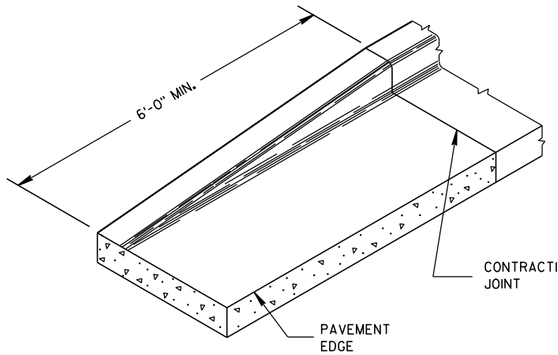


(1) TYPES A & D

CONCRETE CURB & GUTTER 18"



(1) TYPES G & J



END SECTION CURB & GUTTER

CONCRETE CURB

CONCRETE CURB, CONCRETE CURB & GUTTER AND TIES

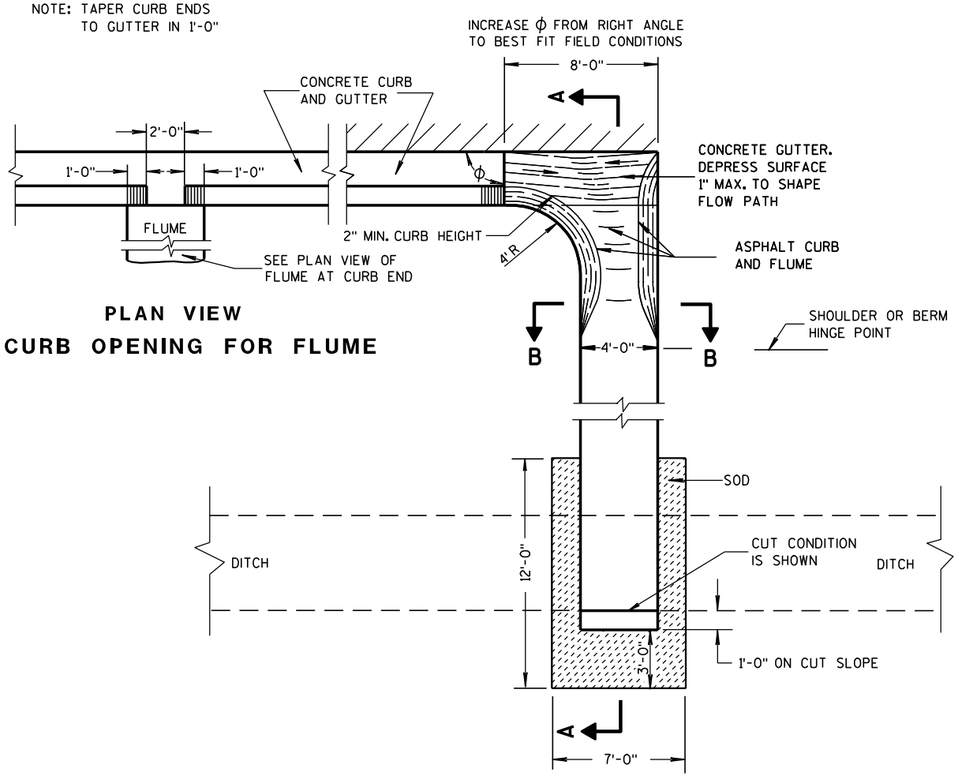
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/4/08 DATE
/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER
FHWA

6

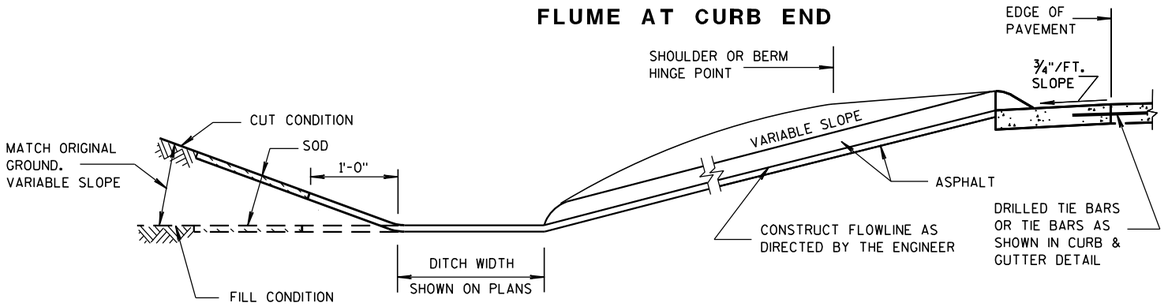
S.D.D. 8 D 1-17

ASPHALTIC FLUME

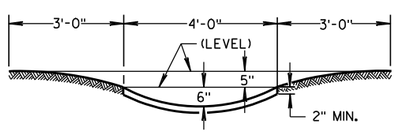


PLAN VIEW
CURB OPENING FOR FLUME

PLAN VIEW
FLUME AT CURB END



SECTION A-A



SECTION B-B

GENERAL NOTES

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

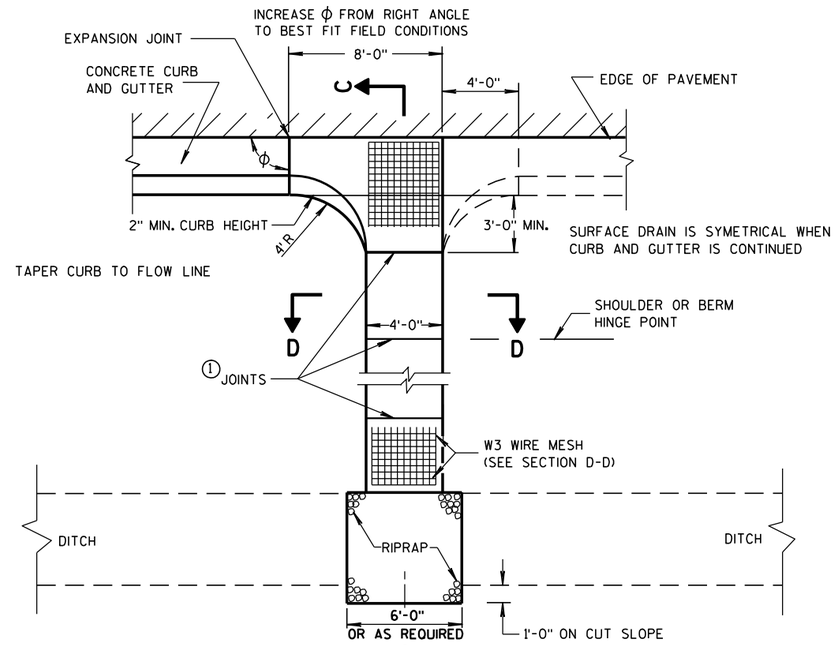
WELDED STEEL WIRE FABRIC SHALL BE IN ACCORDANCE WITH AASHTO SPECIFICATION M55.

① JOINTS SHALL BE ⅛ TO ¼ INCH WIDE BY 1½ INCHES DEEP AND SPACED AT UNIFORM INTERVALS OF APPROXIMATELY 4 FEET.

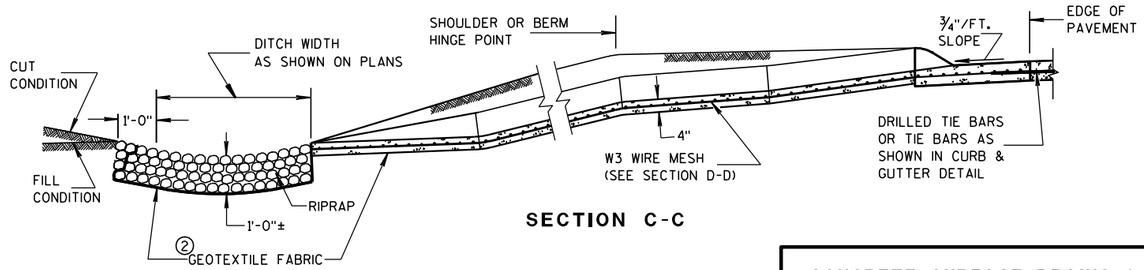
② GEOTEXTILE FABRIC TYPE "R" SHALL UNDERLAY THE FULL LENGTH AND WIDTH OF THE CONCRETE SURFACE DRAIN AND RIPRAP.

③ CONCRETE SURFACE DRAIN WITHOUT CURB AND GUTTER MAY BE USED ON BACKSLOPES WHEN SPECIFIED

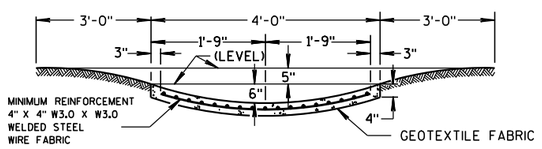
③ CONCRETE SURFACE DRAIN



PLAN VIEW



SECTION C-C



SECTION D-D

CONCRETE SURFACE DRAINS & ASPHALTIC FLUMES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

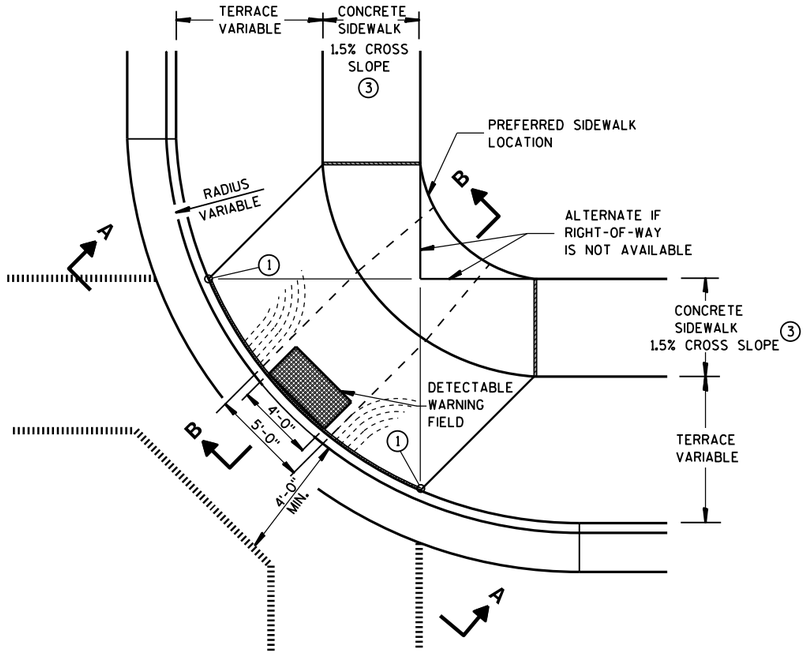
APPROVED
9-4-08 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS ENGINEER
MENT
FHWA

6

S.D.D. 8 D 4-5

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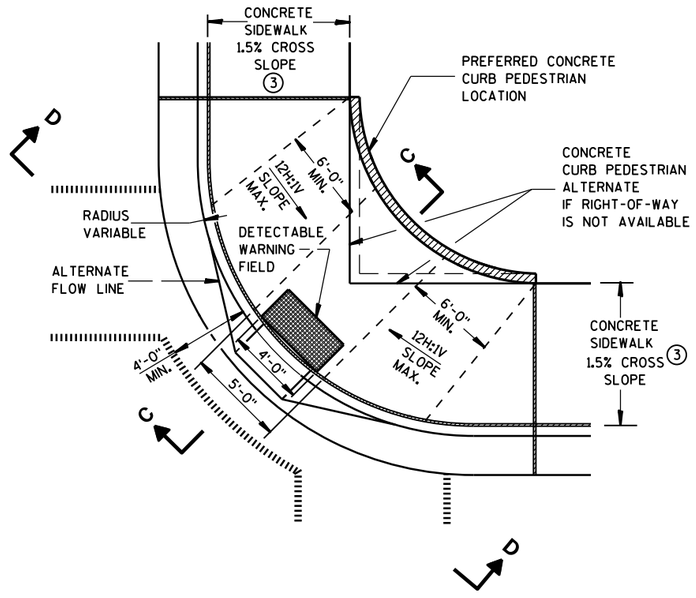
S.D.D. 8 D 4-5



PLAN VIEW

TYPE 1 RAMP

(CENTER OF CORNER RADIUS)



PLAN VIEW

TYPE 1-A RAMP

(NO TERRACE)

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.

RAMPS SHALL BE BUILT AT 12H:1V OR FLATTER. 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.

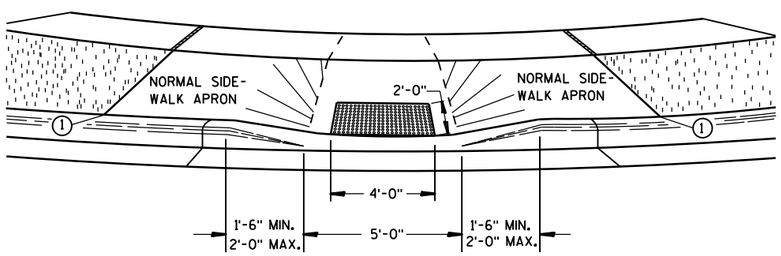
① THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

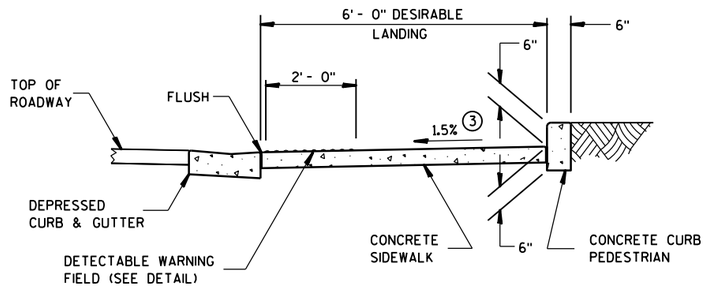
③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

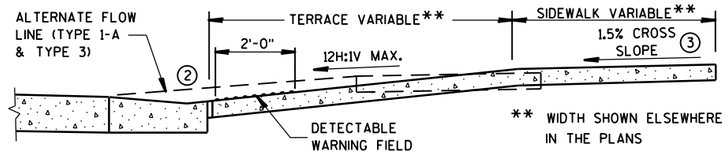
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



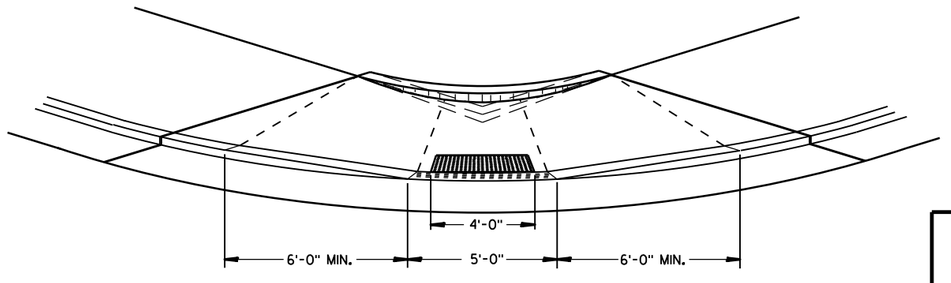
VIEW A-A



SECTION C-C



SECTION B-B



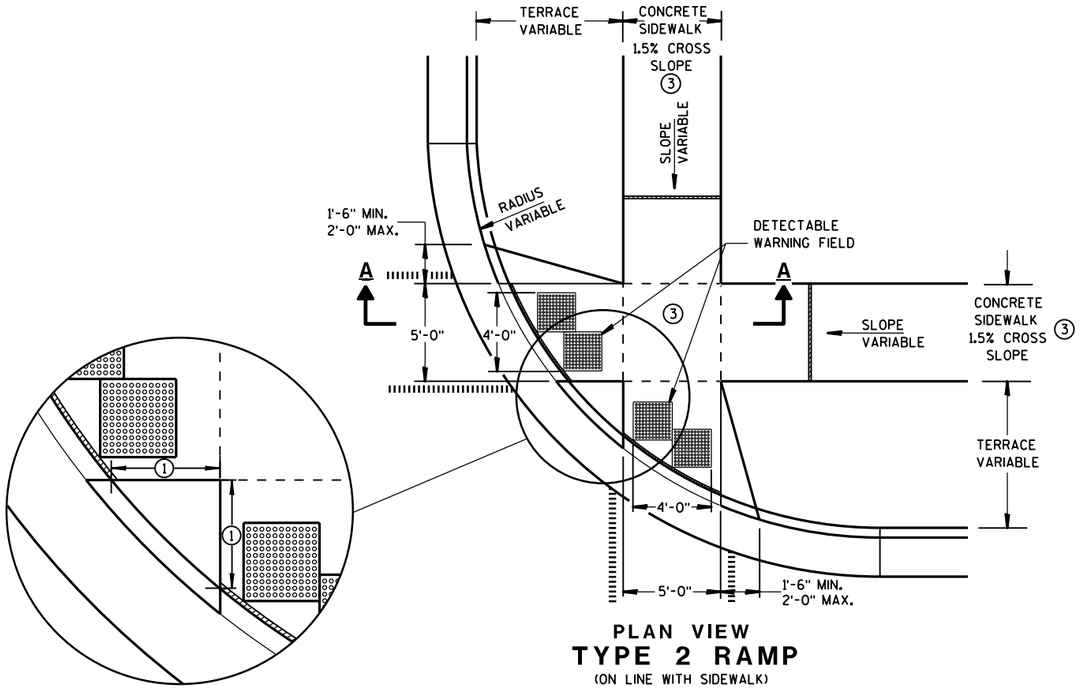
VIEW D-D

CURB RAMPS TYPES 1 AND 1-A

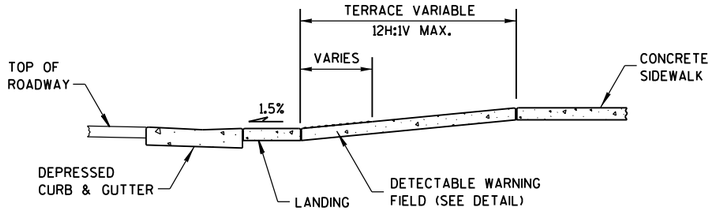
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

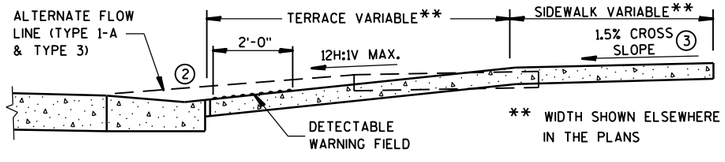
S.D.D. 8 D 5-15a



PLAN VIEW
TYPE 2 RAMP
(ON LINE WITH SIDEWALK)



SECTION A-A



SECTION B-B

GENERAL NOTES

USE THE TYPE 3 RAMP ONLY WHEN A TYPE 1 OR TYPE 2 CANNOT BE ACHIEVED BECAUSE OF FIELD CONDITIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

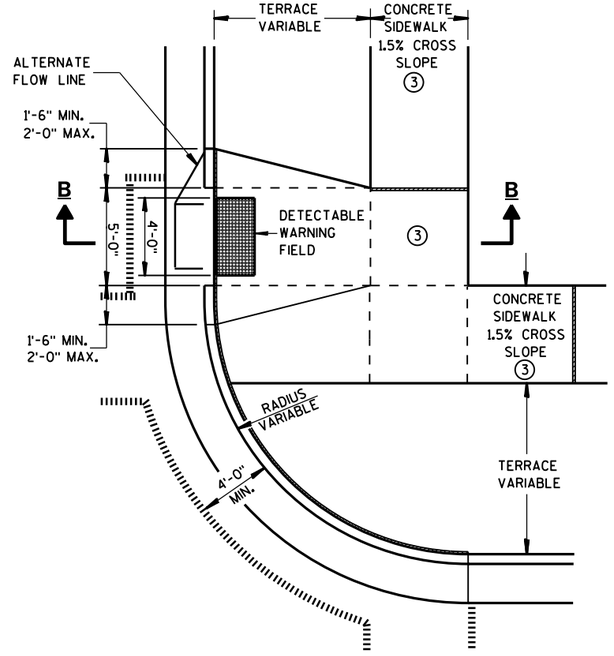
① WHEN THIS DISTANCE IS LESS THAN 6'-0" IT MAY BE DIFFICULT TO ACHIEVE A 12H:1V SLOPE, OR FLATTER, ON THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 12H:1V SLOPE, OR FLATTER, ON RAMP. 2" MINIMUM CURB HEIGHT.

② GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. PROVIDE DRAINAGE AWAY FROM CURB RAMP AT GUTTER FLAG INTERFACE.

③ ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)
- ALTERNATIVE LAYOUT



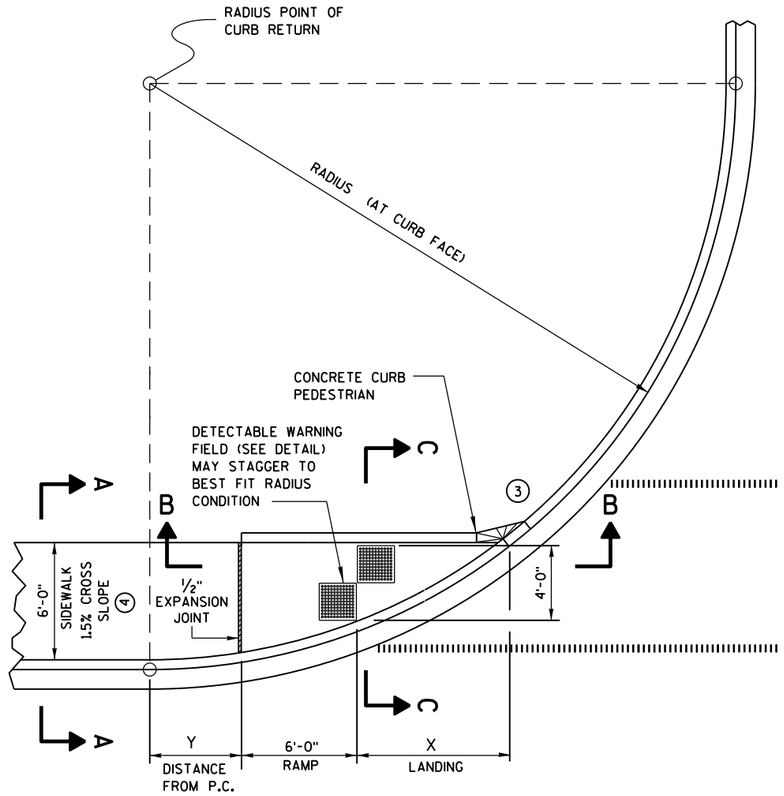
PLAN VIEW
TYPE 3 RAMP
(OUTSIDE OF CROSSWALK AREA)

CURB RAMPS TYPES 2 AND 3

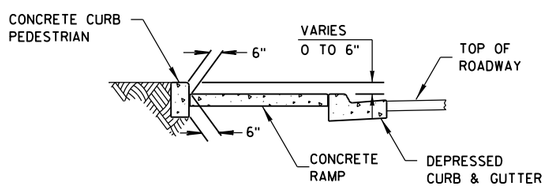
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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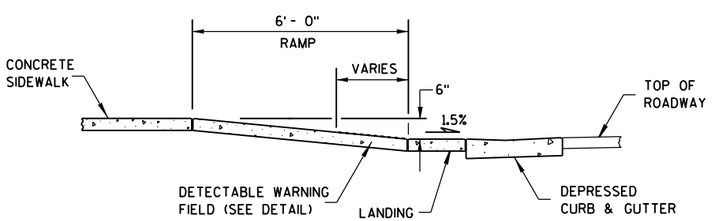
S.D.D. 8 D 5-15b



CURB RAMP TYPE 4A
PLAN VIEW



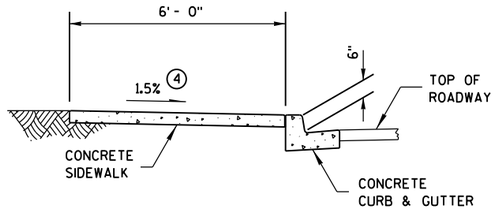
SECTION C-C FOR TYPE 4A



SECTION B-B FOR TYPE 4A

RADIUS (AT CURB FACE)	X	Y
20 FEET	6'-1¾"	2'-7¼"
30 FEET	7'-11¾"	4'-8¼"
40 FEET	9'-5¼"	6'-5"
50 FEET	10'-8¾"	7'-11¼"
60 FEET	11'-10¼"	9'-3½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A-A FOR TYPE 4A

GENERAL NOTES

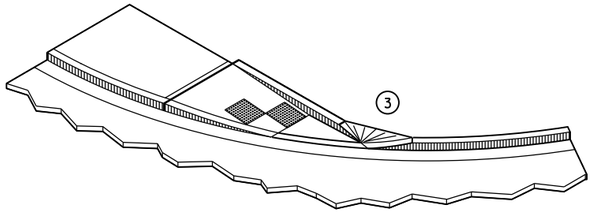
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

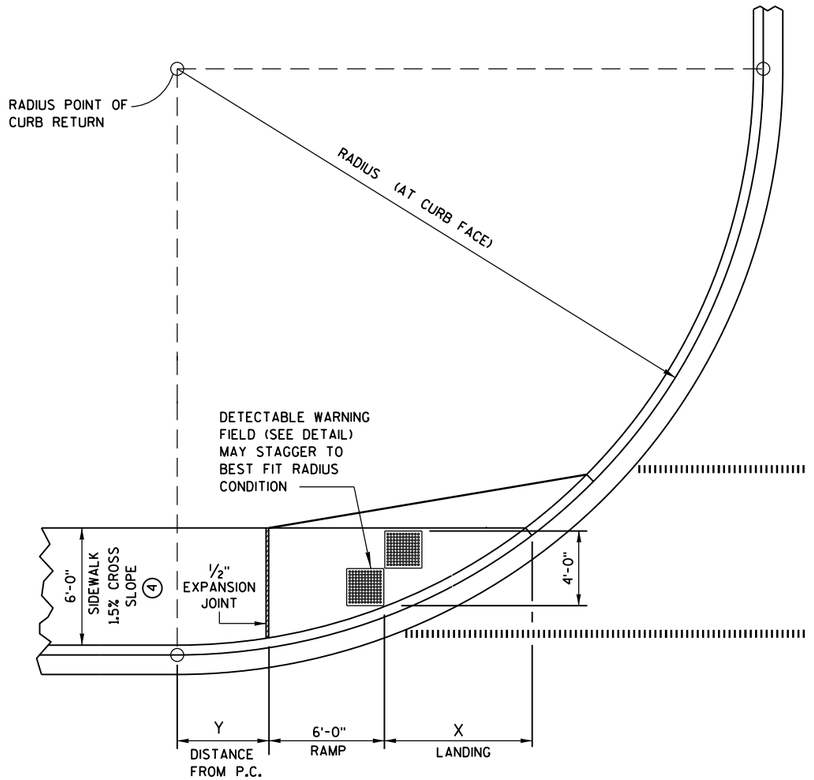
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

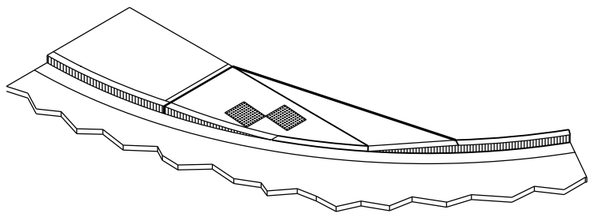
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



ISOMETRIC VIEW FOR TYPE 4A



CURB RAMP TYPE 4A1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4A1

LEGEND

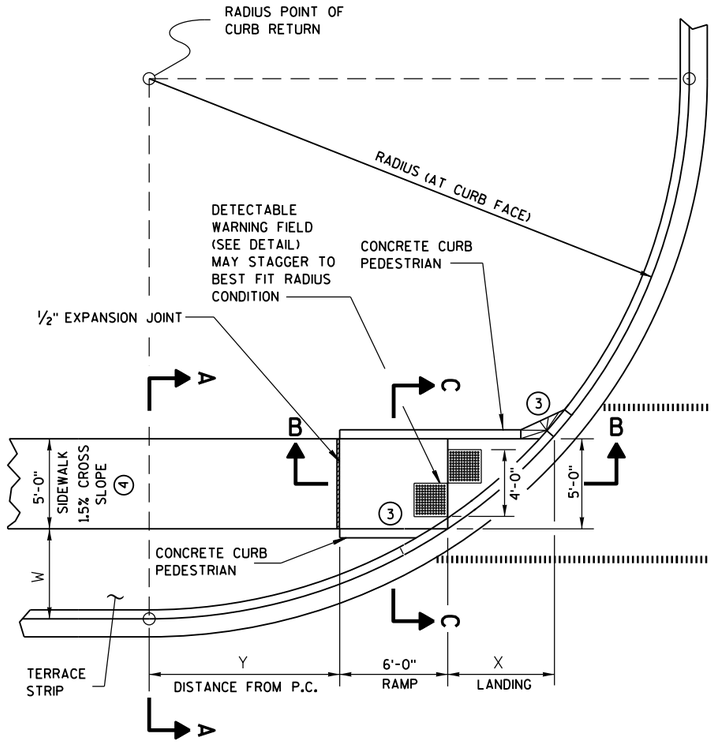
- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPES 4A AND 4A1

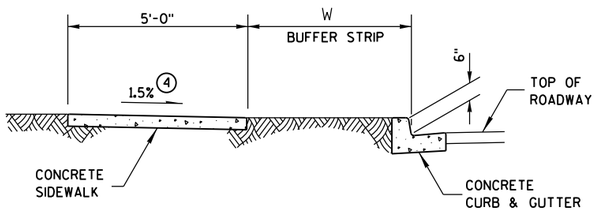
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

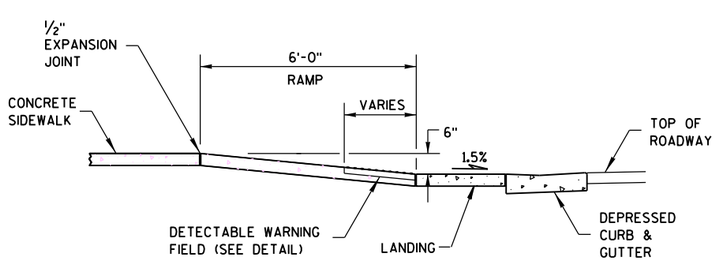
S.D.D. 8 D 5-15c



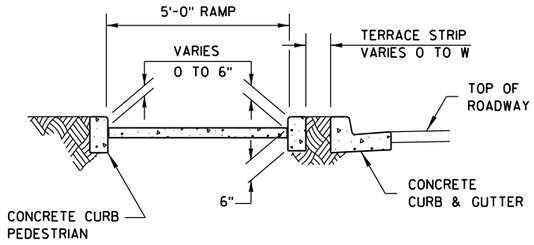
CURB RAMP TYPE 4B
PLAN VIEW



SECTION A-A FOR TYPE 4B



SECTION B-B FOR TYPE 4B



SECTION C-C FOR TYPE 4B

LEGEND

½" EXPANSION JOINT-SIDEWALK

CONTRACTION JOINT FIELD LOCATED

PAVEMENT MARKING CROSSWALK (WHITE)

RADIUS (AT CURB FACE)	W = 3'-0"		W = 4'-0"		W = 5'-0"		W = 6'-0"		W = 7'-0"	
	X	Y	X	Y	X	Y	X	Y	X	Y
20 FEET	5'-5½"	4'-6½"	4'-8½"	6'-0"	4'-1"	7'-2¾"	3'-7"	8'-3½"	3'-1½"	9'-2½"
30 FEET	7'-3¾"	7'-1"	6'-5½"	8'-11½"	5'-9¼"	10'-7"	5'-2½"	12'-0"	4'-8¾"	13'-3¼"
40 FEET	8'-9½"	9'-2½"	7'-10"	11'-5¼"	7'-1"	13'-4½"	6'-5¾"	15'-¾"	5'-11½"	16'-7¼"
50 FEET	10'-¾"	11'-¾"	9'-¼"	13'-7¼"	8'-2½"	15'-9½"	7'-6½"	17'-9"	6'-11¾"	19'-6¼"
60 FEET	11'-2½"	12'-8¾"	10'-¾"	15'-6½"	9'-2¼"	17'-11¾"	8'-5¾"	20'-1¾"	7'-10½"	22'-1½"

INTERMEDIATE RADII CAN BE INTERPOLATED

GENERAL NOTES

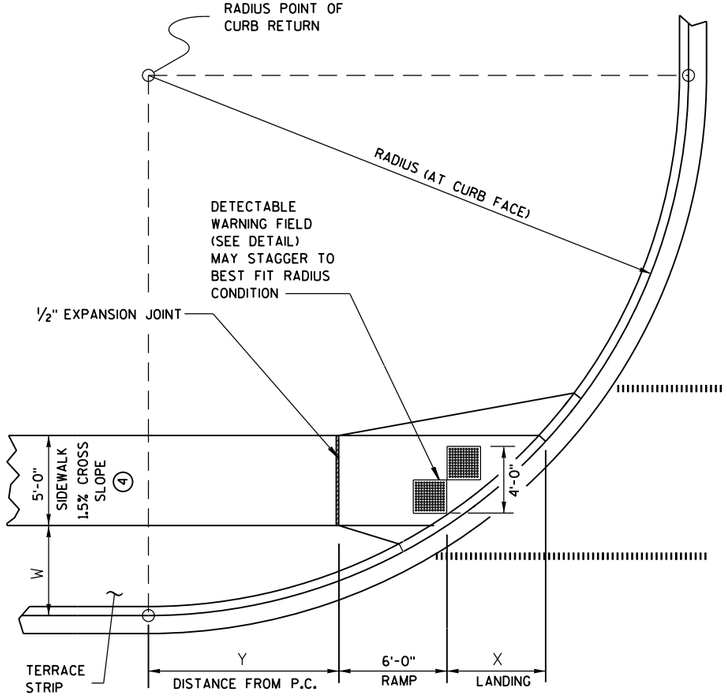
AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

RAMP SLOPES SHALL NOT BE STEEPER THAN 12:1.

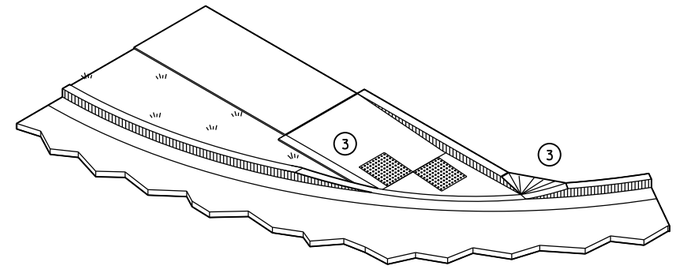
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

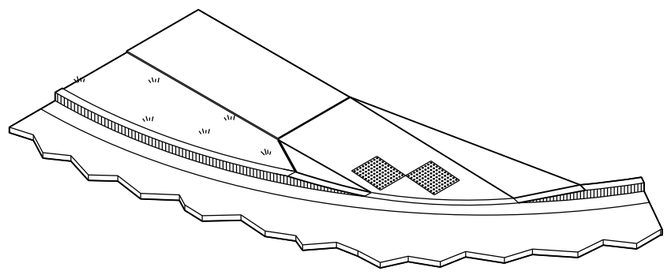
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



CURB RAMP TYPE 4B1
PLAN VIEW



ISOMETRIC VIEW FOR TYPE 4B



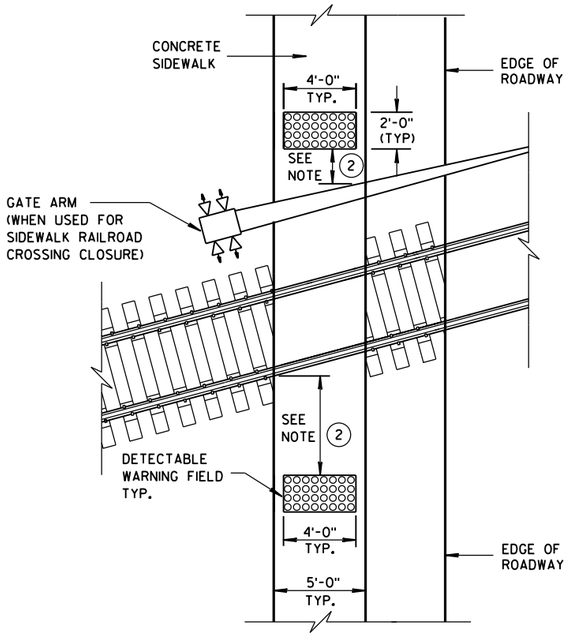
ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

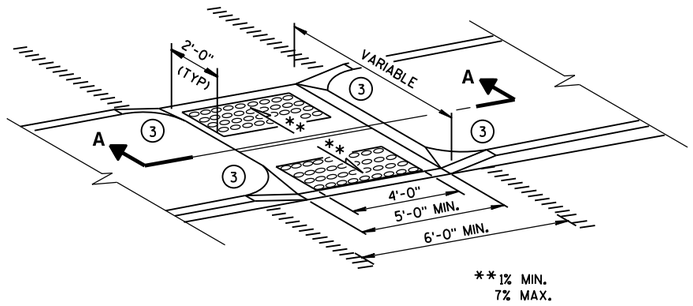
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

6

S.D.D. 8 D 5-15d



TYPE 8
DETECTABLE WARNINGS AT RAILROAD CROSSING



MEDIAN ISLAND
NON-ELEVATED CROSSING
TYPE 5

GENERAL NOTES

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

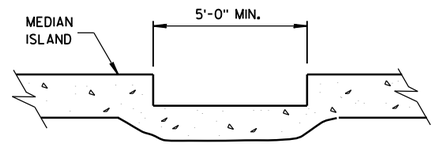
DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(1) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

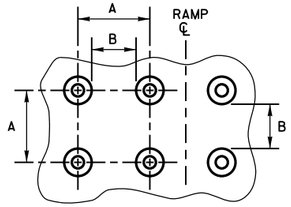
(2) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ± 0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(3) INSTALL TRANSITION NOSE. (INCIDENTAL TO OTHER PAY ITEMS.) DO NOT MARK TRANSITION NOSE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.



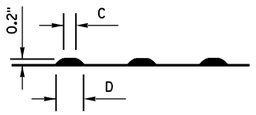
SECTION A-A



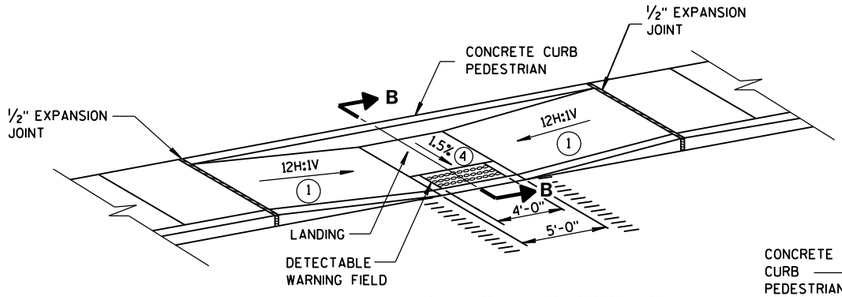
PLAN VIEW

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

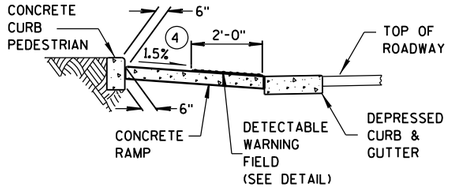
* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.



ELEVATION VIEW

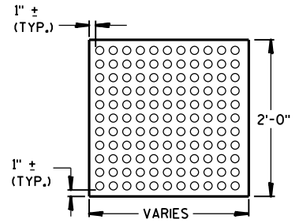


MID-BLOCK CROSSING
TYPE 7A



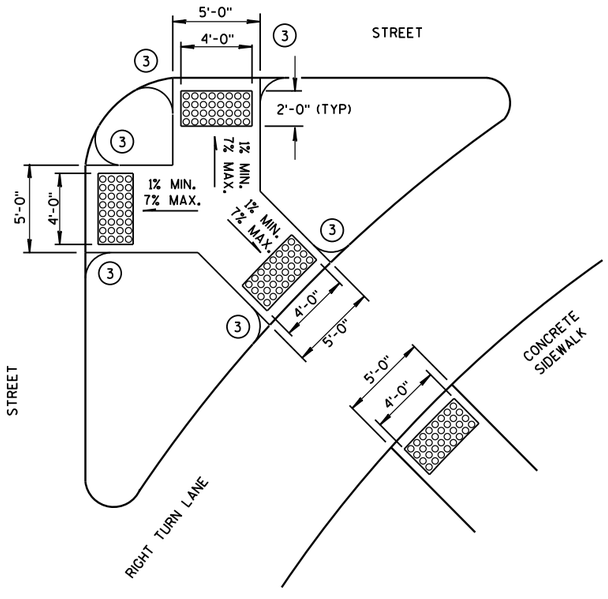
SECTION B-B

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL

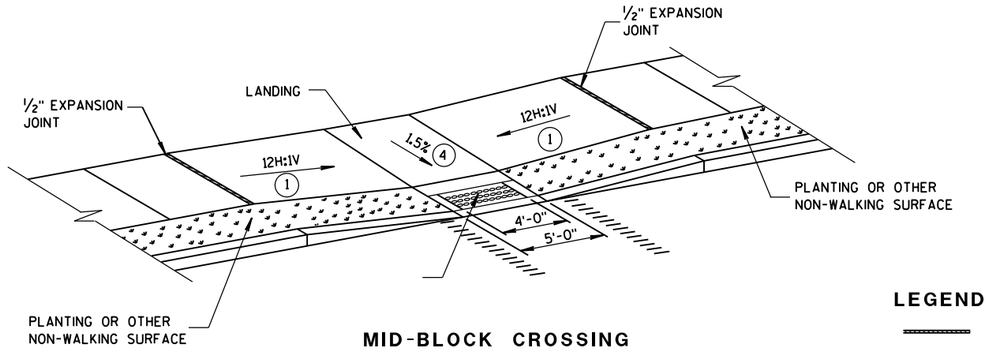


PLAN VIEW

DETECTABLE WARNING FIELD (TYPICAL)



TYPE 6
DETECTABLE WARNING AT ISLANDS



MID-BLOCK CROSSING
TYPE 7B

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

LEGEND

- ½" EXPANSION JOINT-SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

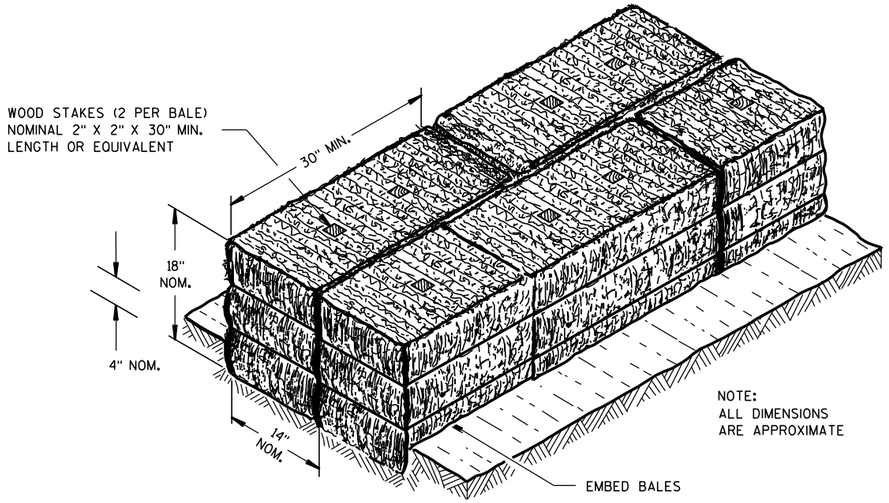
APPROVED
2-6-2013 DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS [illegible] ENGINEER
FHWA

6

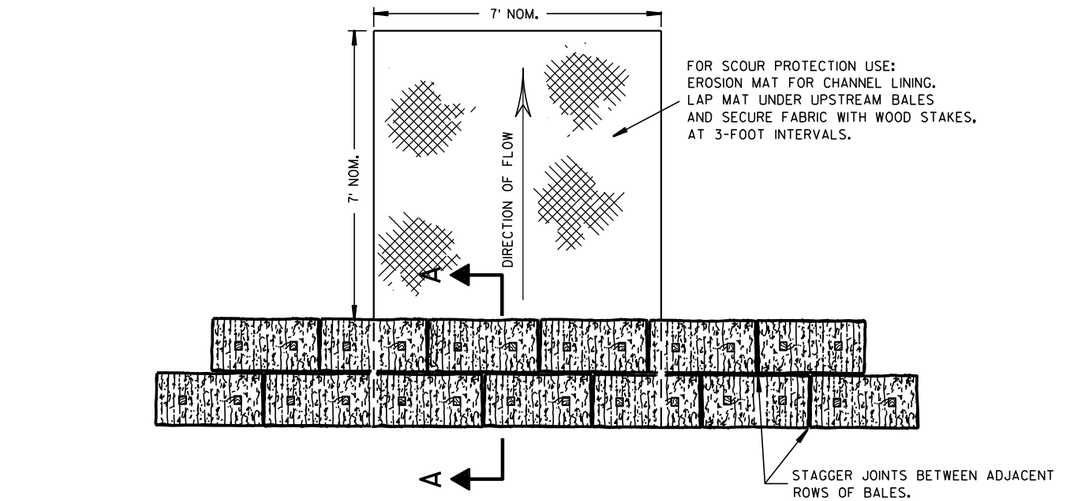
S.D.D. 8 D 5-15e

6

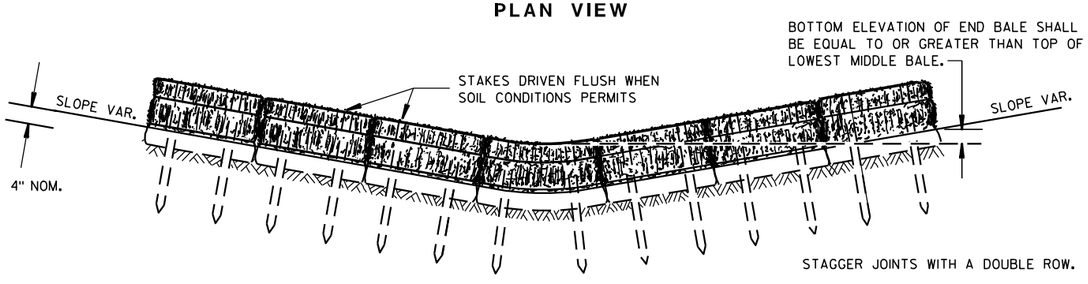
S.D.D. 8 D 5-15e



SECTION A-A



PLAN VIEW



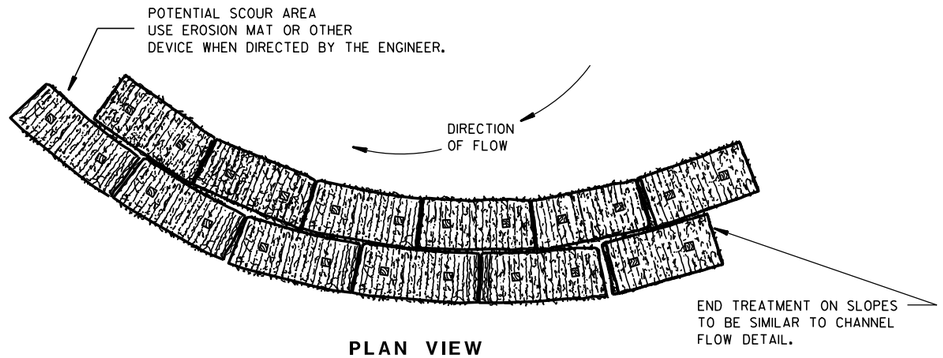
FRONT ELEVATION

TEMPORARY DITCH CHECK USING EROSION BALES (1)

GENERAL NOTES

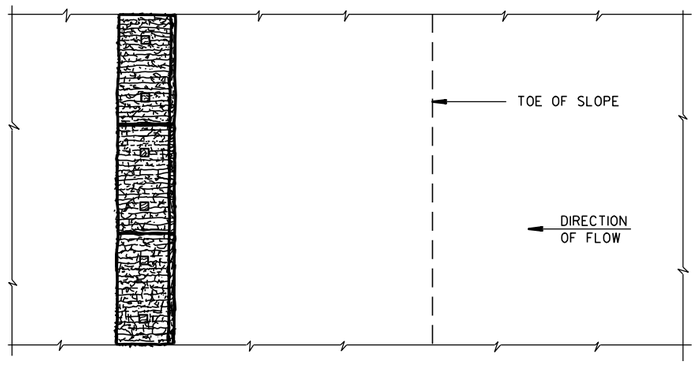
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

(1) TEMPORARY DITCH CHECKS EITHER EROSION BALES OR MANUFACTURED SHALL BE PAID FOR UNDER THE BID ITEM OF TEMPORARY DITCH CHECK. THE DEPARTMENT WILL NOT PAY FOR TEMPORARY DITCH CHECKS CONSTRUCTED OF A SINGLE ROW OF EROSION BALES.

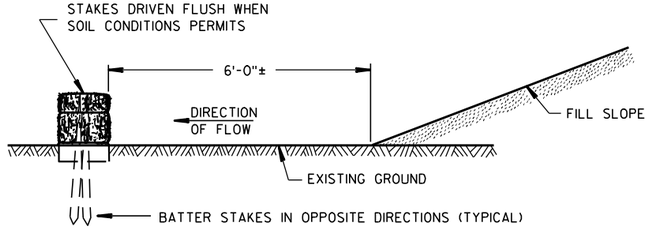


PLAN VIEW

WHEN ALTERING THE DIRECTION OF FLOW



PLAN VIEW



FRONT ELEVATION

WHEN EXISTING GROUND SLOPES AWAY FROM FILL SLOPE

EROSION BALES FOR SHEET FLOW

TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

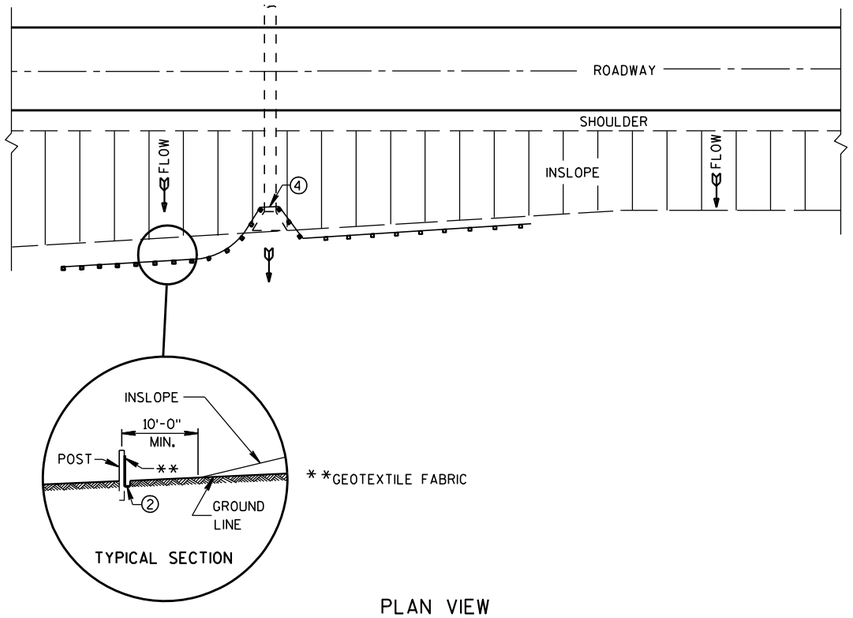
APPROVED
6/04/02 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 E 8-3

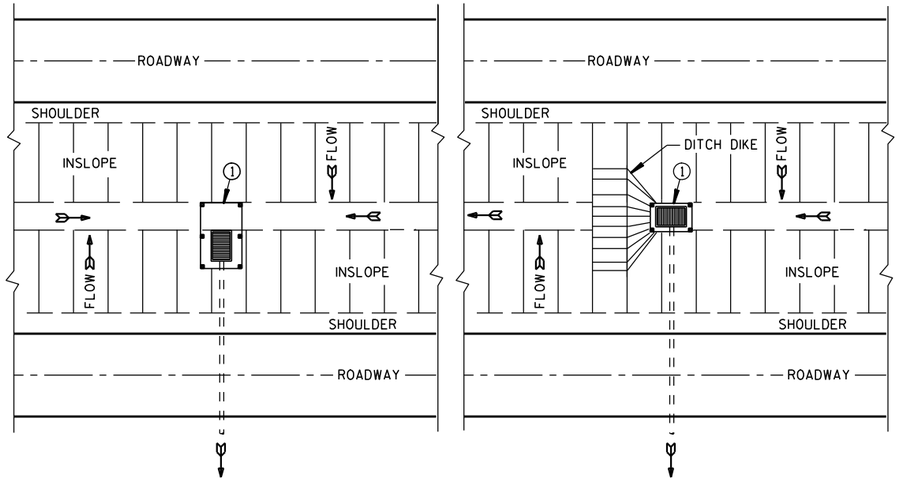
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S.D.D. 8 E 8-3



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

GENERAL NOTES

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

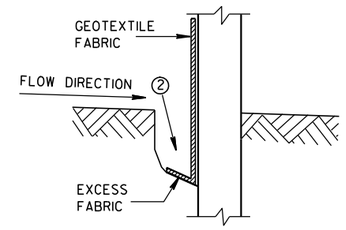
① HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

② FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.

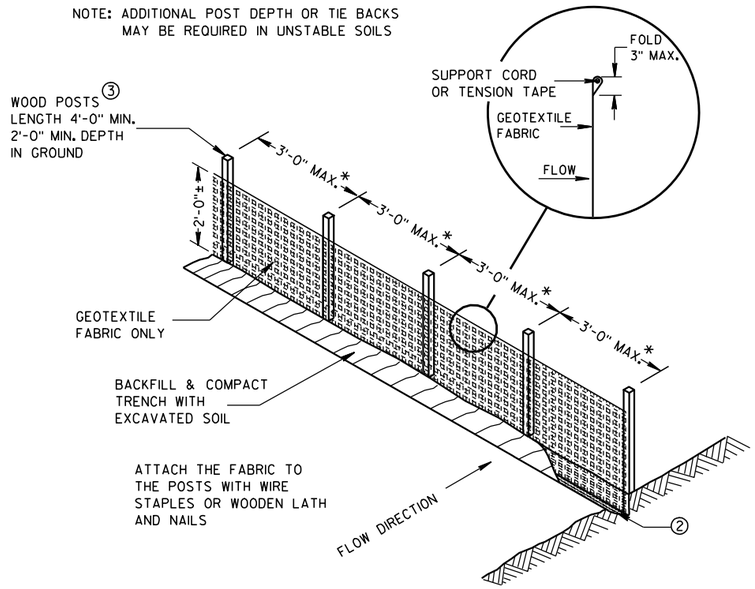
③ WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.

④ SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.

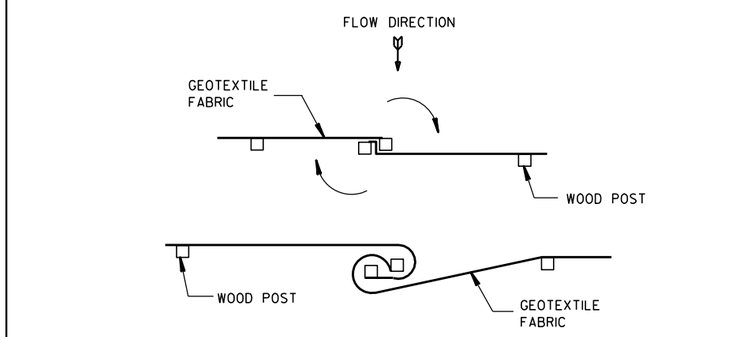
⑤ CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



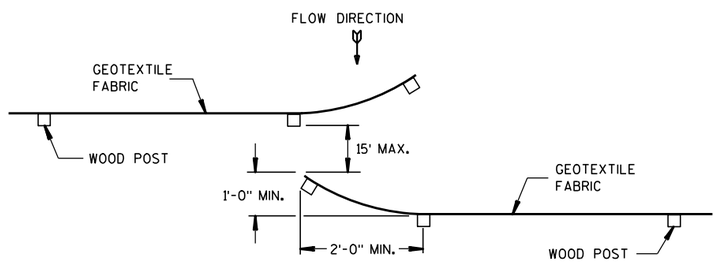
TRENCH DETAIL



SILT FENCE

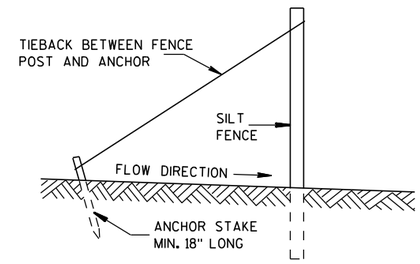


TWIST METHOD



HOOK METHOD

JOINING TWO LENGTHS OF SILT FENCE ⑤



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

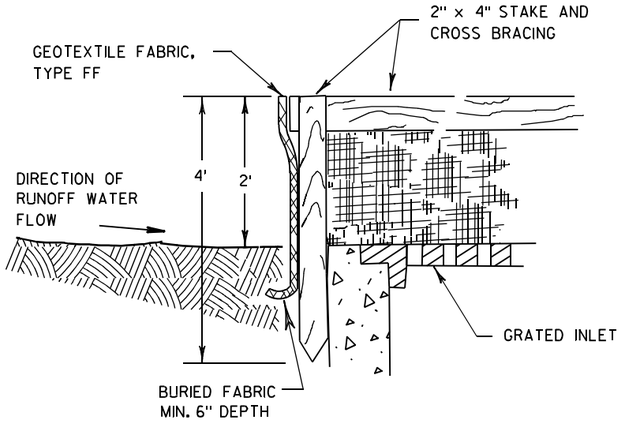
APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

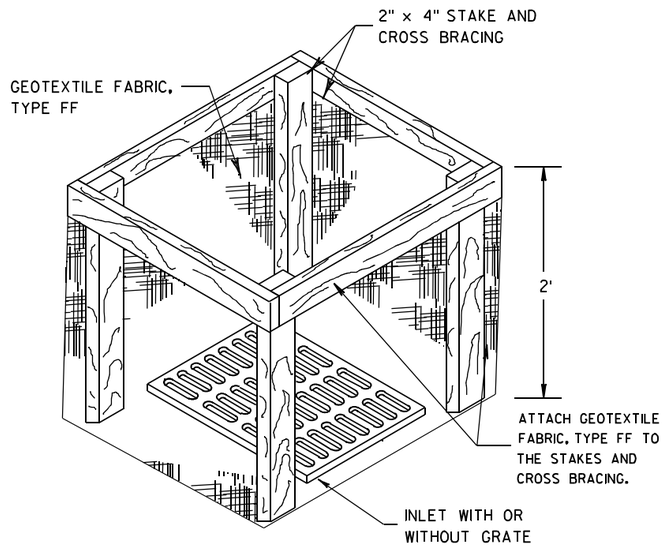
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S.D.D. 8 E 9-6

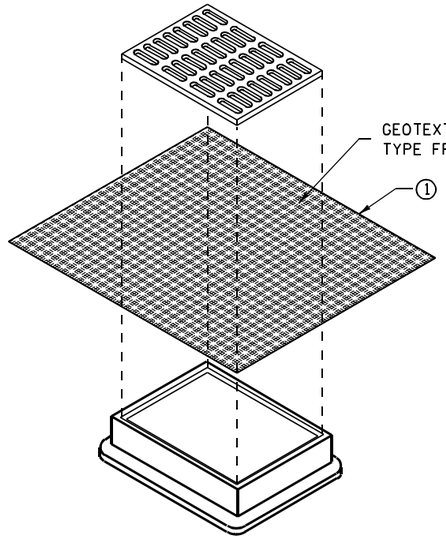
6

S.D.D. 8 E 9-6



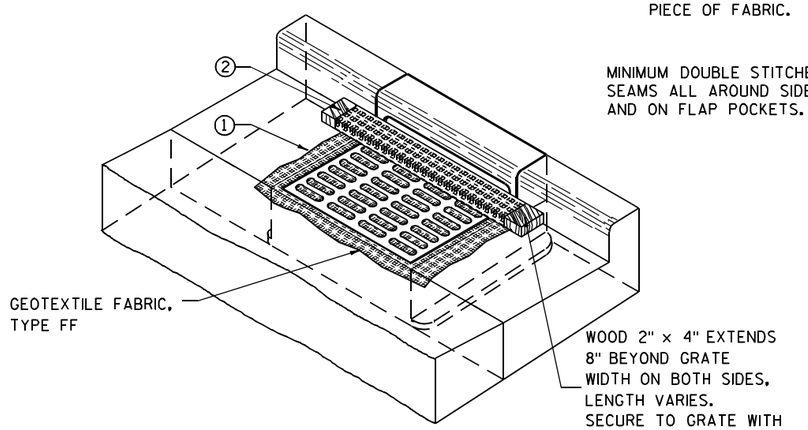


INLET PROTECTION, TYPE A

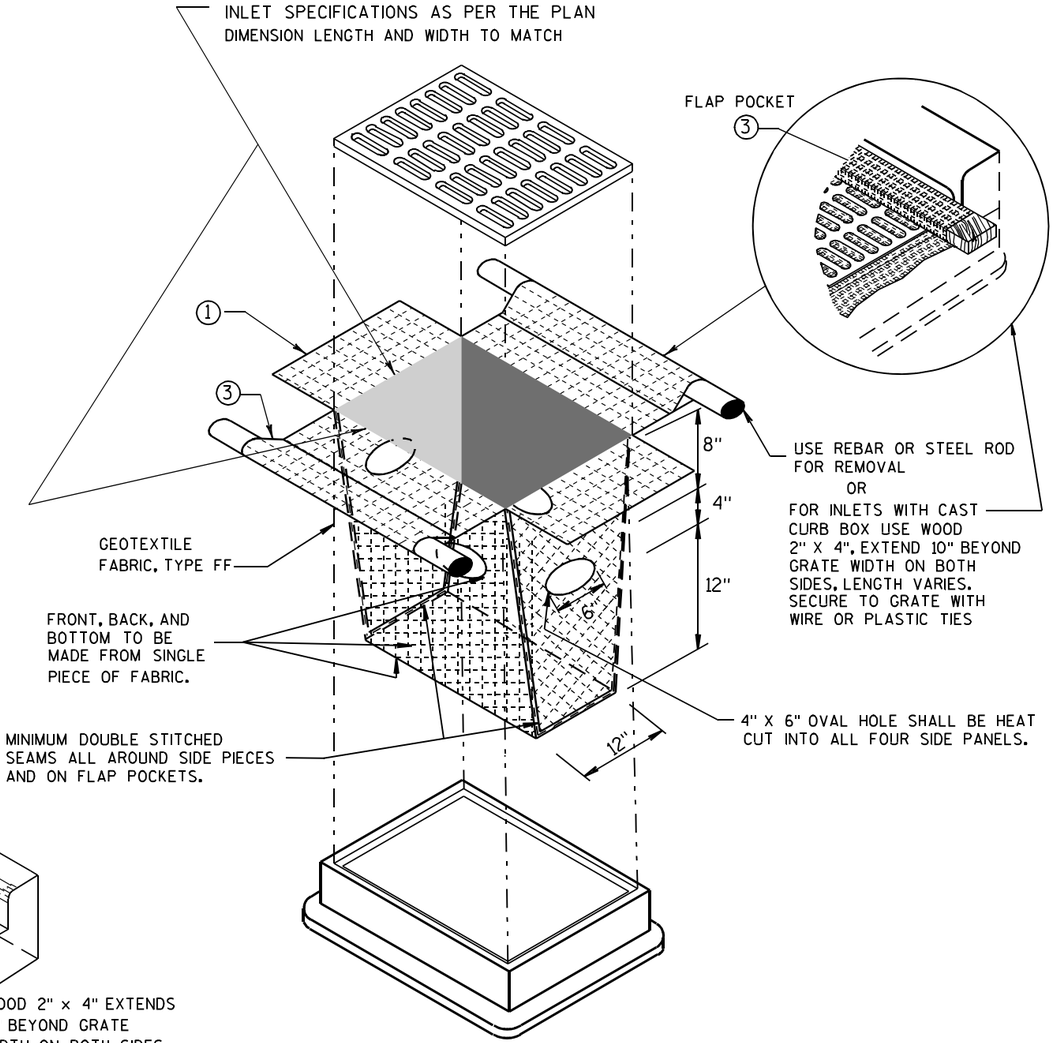


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

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



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

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

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

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

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

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

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

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

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

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

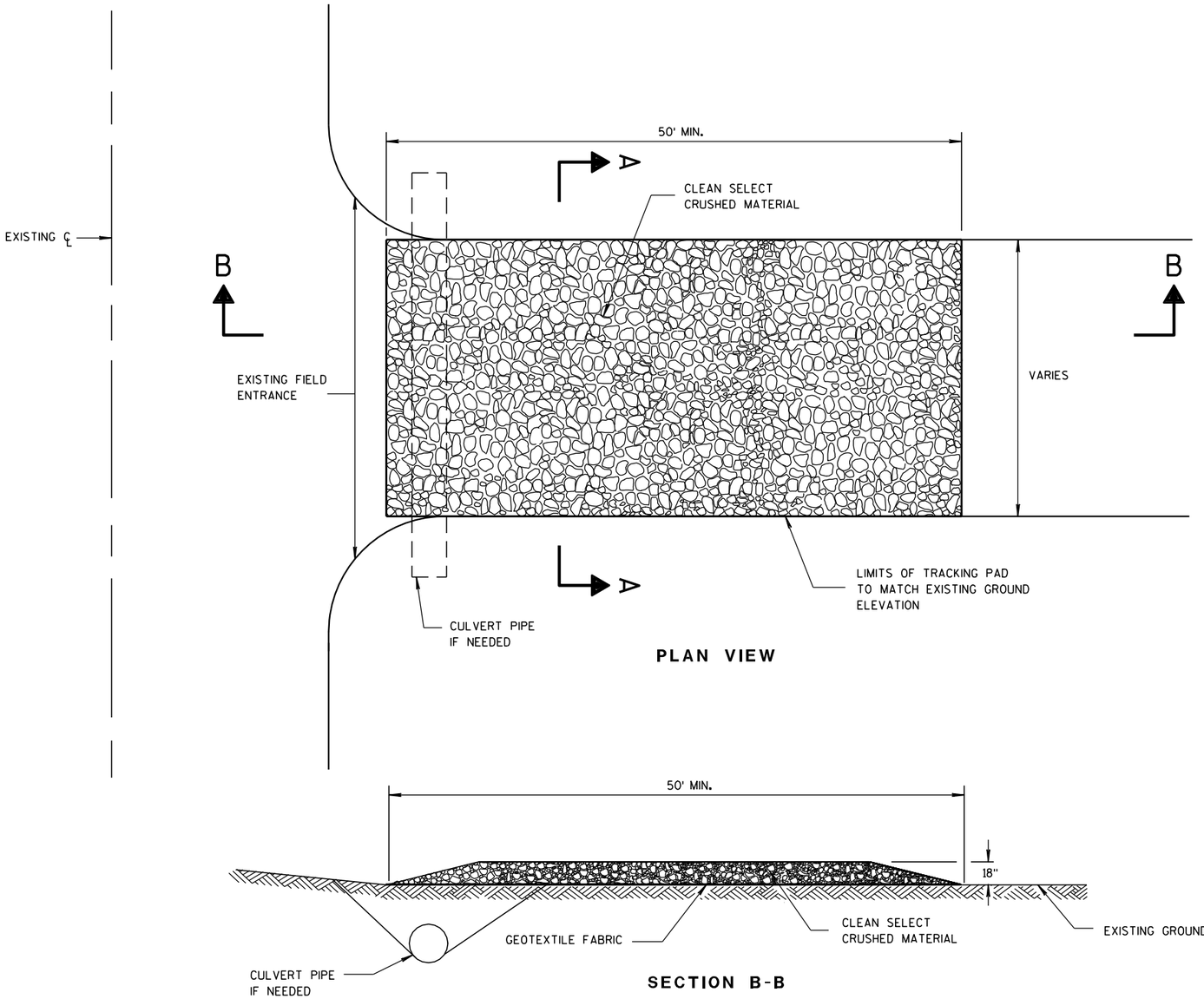
APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

6
S.D.D. 8 E 10-2



PLAN VIEW

SECTION B-B

GENERAL NOTES

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

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

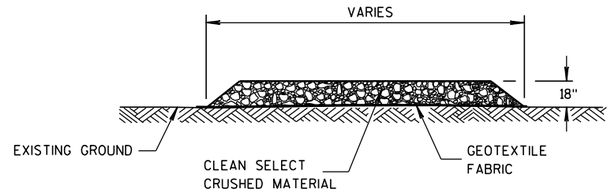
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A-A

TRACKING PAD

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS ENGINEER
FHWA

6

S.D.D. 8 E 14-1

6

S.D.D. 8 E 14-1

METAL APRON ENDWALLS

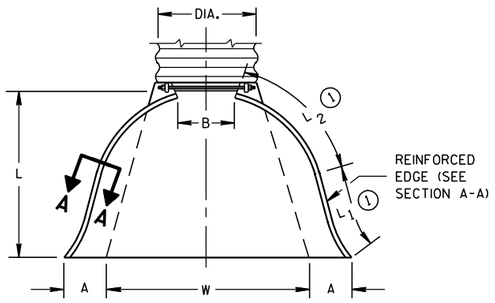
PIPE DIA. (IN.)	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
12	.064	.060	6	6	6	21	12	17 1/2	24	2 1/2 to 1	1 Pc.
15	.064	.060	7	8	6	26	14	21 3/4	30	2 1/2 to 1	1 Pc.
18	.064	.060	8	10	6	31	15	28 1/4	36	2 1/2 to 1	1 Pc.
21	.064	.060	9	12	6	36	18	29 5/8	42	2 1/2 to 1	1 Pc.
24	.064	.075	10	13	6	41	18	37 1/4	48	2 1/2 to 1	1 Pc.
30	.079	.075	12	16	8	51	18	52 1/4	60	2 1/2 to 1	1 Pc.
36	.079	.105	14	19	9	60	24	59 3/4	72	2 1/2 to 1	2 Pc.
42	.109	.105	16	22	11	69	24	75 5/8	84	2 1/2 to 1	2 Pc.
48	.109	.105	18	27	12	78	24	81	90	2 1/4 to 1	3 Pc.
54	.109	.105	18	30	12	84	30	85 1/2	102	2 1/4 to 1	3 Pc.
60	.109×	.105×	18	33	12	87	—	—	114	2 to 1	3 Pc.
66	.109×	.105×	18	36	12	87	—	—	120	2 to 1	3 Pc.
72	.109×	.105×	18	39	12	87	—	—	126	2 to 1	3 Pc.
78	.109×	.105×	18	42	12	87	—	—	132	1 1/2 to 1	3 Pc.
84	.109×	.105×	18	45	12	87	—	—	138	1 1/2 to 1	3 Pc.
90	.109×	.105×	18	37	12	87	—	—	144	1 1/2 to 1	3 Pc.
96	.109×	.105×	18	35	12	87	—	—	150	1 1/2 to 1	3 Pc.

× EXCEPT CENTER PANEL SEE GENERAL NOTES

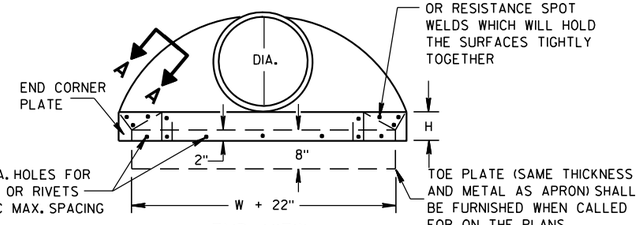
REINFORCED CONCRETE APRON ENDWALLS

PIPE DIA. (IN.)	DIMENSIONS (Inches) T	A	B	C	D	E	G	APPROX. SLOPE
12	2	4	24	48 7/8	72 1/8	24	2	3 to 1
15	2 1/4	6	27	46	73	30	2 1/4	3 to 1
18	2 1/2	9	27	46	73	36	2 1/2	3 to 1
21	2 3/4	9	36	37 1/2	73 1/2	42	2 3/4	3 to 1
24	3	9 1/2	43 1/2	30	73 1/2	48	3	3 to 1
27	3 1/4	10 1/2	49 1/2	24	73 1/2	54	3 1/4	3 to 1
30	3 1/2	12	54	19 3/4	73 1/2	60	3 1/2	3 to 1
36	4	15	63	34 3/4	97 3/4	72	4	3 to 1
42	4 1/2	21	63	35	98	78	4 1/2	3 to 1
48	5	24	72	26	98	84	5	3 to 1
54	5 1/2	27	65	* 33 1/4 - ** 35	* 98 1/4 - ** 100	90	5 1/2	2 2/5 to 1
60	6	* 30 - ** 35	60	39	99	96	5	2 to 1
66	6 1/2	* 24 - ** 30	* 72 - ** 78	* 21 - ** 27	99	102	5 1/2	2 to 1
72	7	* 24 - ** 36	78	21	99	108	6	2 to 1
78	7 1/2	* 24 - ** 36	78	21	99	114	6 1/2	2 to 1
84	8	36	90 1/2	21	111 1/2	120	6 1/2	1 1/2 to 1
90	8 1/2	41	87 1/2	24	111 1/2	132	6 1/2	1 1/2 to 1

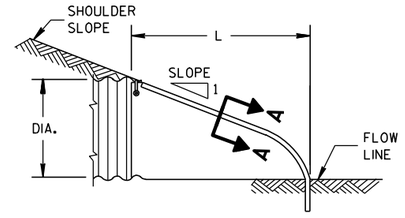
*MINIMUM
**MAXIMUM



PLAN VIEW

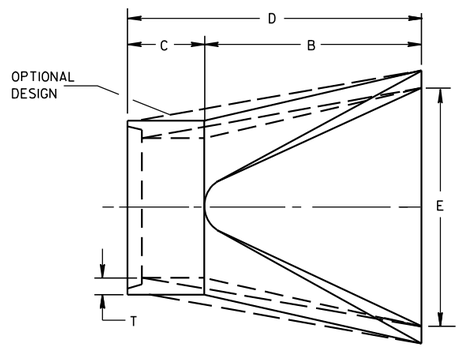


END VIEW

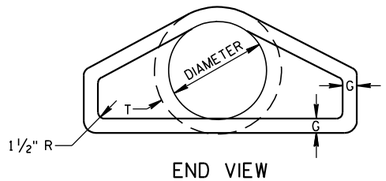


SIDE ELEVATION

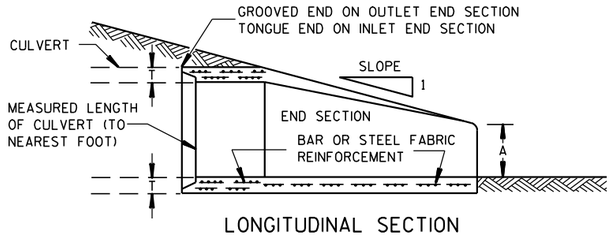
METAL ENDWALLS



PLAN

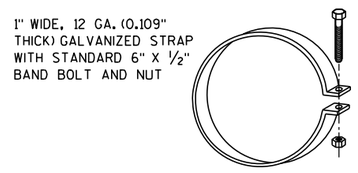


END VIEW



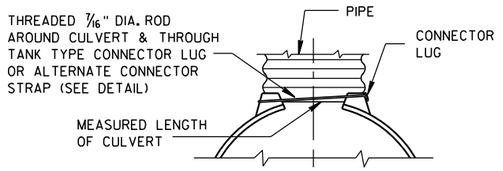
LONGITUDINAL SECTION

CONCRETE ENDWALLS

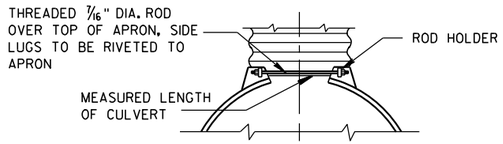


ALTERNATE FOR TYPE 1 CONNECTION

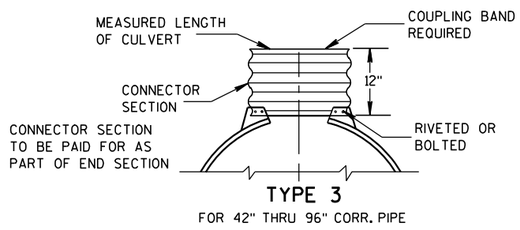
END SECTION CONNECTOR STRAP



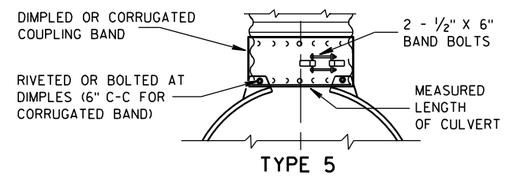
TYPE 1
FOR 12" THRU 24" CORR. PIPE



TYPE 2
FOR 30" THRU 96" CORR. PIPE



TYPE 3
FOR 42" THRU 96" CORR. PIPE



TYPE 5
ALTERNATE FOR:
ALL SIZES CORRUGATED CIRCULAR PIPE

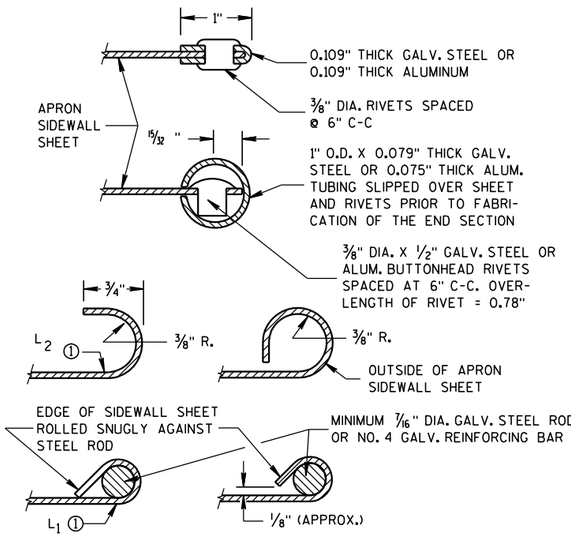
NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL. AND CORRUGATED BAND FITS INSIDE ENDWALL. DIMPLED BAND MAY BE USED WITH HELICALLY CORRUGATED PIPE.

FOR CIRCUMFERENTIALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2, 3 OR 5 AS APPLICABLE.

FOR HELICALLY CORRUGATED PIPE USE ENDWALL CONNECTION DETAILS 1, 2 OR 5.

FOR HELICALLY CORRUGATED PIPES WITH TWO CIRCUMFERENTIAL CORRUGATIONS AT EACH END USE ENDWALL CONNECTION DETAILS 1, 2 OR 3.

CONNECTION DETAILS



SECTION A-A

GENERAL NOTES

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

CONCRETE CULVERT ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 60" DIAMETER PIPE AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 60" THROUGH 96" DIAMETER APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

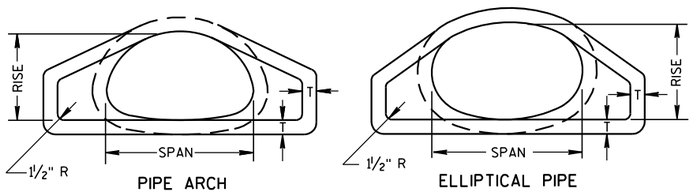
① FOR PIPE SIZES UP TO 60" DIAMETER, A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR CULVERT PIPE

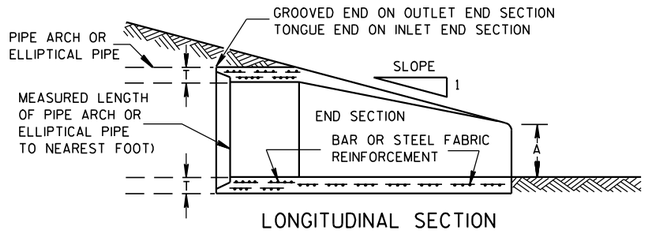
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
11/30/94 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

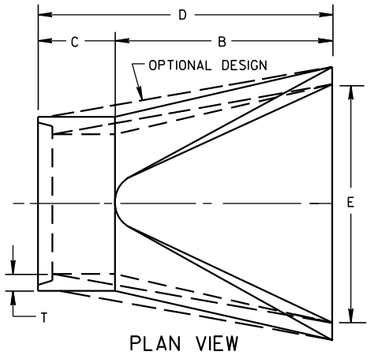
6
S.D.D. 8 F 1-11



END VIEW

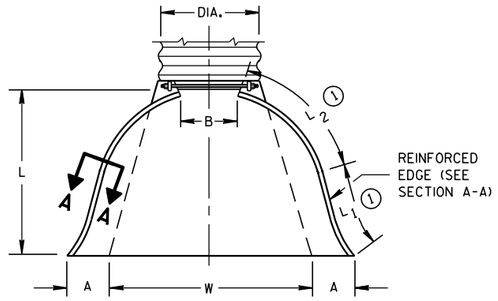


LONGITUDINAL SECTION

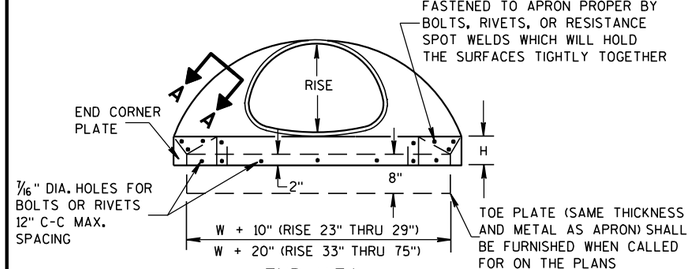


PLAN VIEW

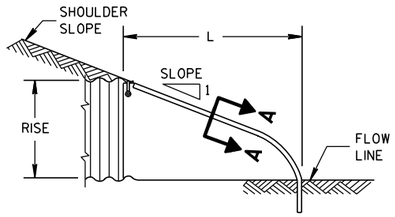
CONCRETE ENDWALLS



PLAN VIEW

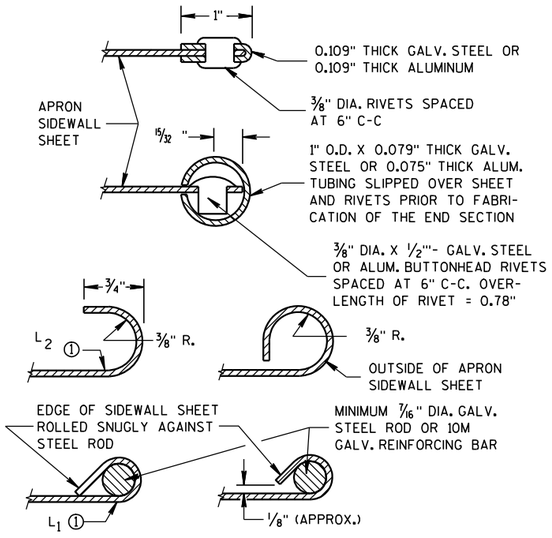


END VIEW



SIDE ELEVATION

METAL ENDWALLS



SECTION A-A

2- 2/3" X 1/2" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
15	17	13	.064	.060	7	9	6	19	14	16	30	2½ to 1	1 Pc.
18	21	15	.064	.060	7	10	6	23	14	19⅜	36	2½ to 1	1 Pc.
21	24	18	.064	.060	8	12	6	28	18	21¾	42	2½ to 1	1 Pc.
24	28	20	.064	.060	9	14	6	32	18	27½	48	2½ to 1	1 Pc.
30	35	24	.079	.075	10	16	6	39	18	37⅝	60	2½ to 1	1 Pc.
36	42	29	.079	.075	12	18	8	46	24	45⅜	75	2½ to 1	1 Pc.
42	49	33	.109	.105	13	21	9	53	24	54¾	85	2½ to 1	2 Pc.
48	57	38	.109	.105	18	26	12	63	24	68	90	2½ to 1	3 Pc.
54	64	43	.109	.105	18	30	12	70	24	72¾	102	2¼ to 1	3 Pc.
60	71	47	.109*	.105*	18	33	12	77	30	82¼	114	2¼ to 1	3 Pc.
66	77	52	.109*	.105*	18	36	12	77	—	—	126	2 to 1	3 Pc.
72	83	57	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.

3" X 1" CORRUGATIONS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) STEEL	MIN. THICK. (Inches) ALUM.	DIMENSIONS (Inches) A (±1")	B (MAX.)	H (±1")	L (±1 1/2")	L1 ①	L2 ①	W (±2")	APPROX. SLOPE	BODY
48	53	41	.109	.105	18	26	12	63	24	72¾	90	2½ to 1	2 Pc.
54	60	46	.109	.105	18	30	12	70	30	82¼	102	2 to 1	2 Pc.
60	66	51	.109*	.105*	18	33	12	77	—	—	114	1½ to 1	3 Pc.
66	73	55	.109*	.105*	18	36	12	77	—	—	126	1½ to 1	3 Pc.
72	81	59	.109*	.105*	18	39	12	77	—	—	138	2 to 1	3 Pc.
78	87	63	.109*	.105*	22	38	12	77	—	—	148	1½ to 1	3 Pc.
84	95	67	.109*	.105*	22	34	12	77	—	—	162	1½ to 1	3 Pc.
90	103	71	.109*	.105*	22	38	12	77	—	—	174	1½ to 1	3 Pc.
96	112	75	.109*	.105*	24	40	12	77	—	—	174	1½ to 1	3 Pc.

NOTE: ALL SPLICES TO BE LAP RIVETED OR BOLTED.

* EXCEPT CENTER PANEL SEE GENERAL NOTES

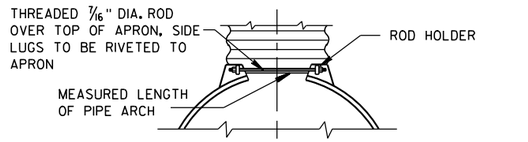
REINFORCED CONCRETE PIPE ARCH

EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	29	18	3	8½	39	33	72	48	3 to 1
30	36	22	3½	9½	50	46	96	60	3 to 1
36	44	27	4	11⅛	60	36	96	72	3 to 1
42	51	31	4½	15 13/16	60	36	96	78	3 to 1
48	58	36	5	21	60	36	96	84	3 to 1
54	65	40	5½	25½	60	36	96	90	3 to 1
60	73	45	6	31	60	36	96	96	3 to 1
72	88	54	7	31	60	39	99	120	2 to 1
84	102	62	8	28½	83	19	102	144	2 to 1

REINFORCED CONCRETE ELLIPTICAL PIPE

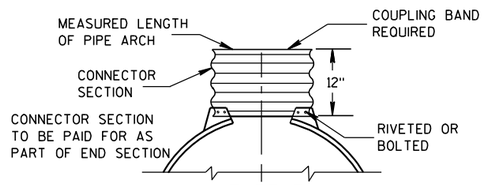
EQUIV. DIA. (Inches)	DIMENSIONS (Inches) ** SPAN	** RISE	T	A	B	C	D	E	APPROX. SLOPE
24	30	19	3¼	8½	39	33	72	48	3 to 1
30	38	24	3¾	9½	54	18	72	60	3 to 1
36	45	29	4½	11⅛	60	24	84	72	2½ to 1
42	53	34	5	15¾	60	36	96	78	2½ to 1
48	60	38	5½	21	60	36	96	84	2½ to 1
54	68	43	6	25½	60	36	96	90	2½ to 1
60	76	48	6½	30	60	36	96	96	2½ to 1

**NOMINAL SIZE



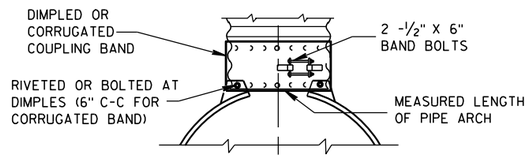
TYPE 2

FOR 17" X 13" THRU 112" X 75" PIPE ARCH



TYPE 3

FOR 64" X 43" THRU 112" X 75" PIPE ARCH



TYPE 5

ALTERNATE FOR:

ALL SIZES CORRUGATED PIPE ARCHES

NOTE: DIMPLED BAND FITS OVER OUTSIDE OF ENDWALL, AND CORRUGATED BAND FITS INSIDE ENDWALL.

CONNECTION DETAILS

GENERAL NOTES

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

CONCRETE APRON ENDWALLS MAY NOT BE USED WITH GALVANIZED STEEL OR ALUMINUM CULVERT PIPE OR VISE VERSA. GALVANIZED STEEL OR ALUMINUM APRON ENDWALLS SHALL NORMALLY BE INSTALLED ON CULVERT PIPE OF THE SAME METAL.

ALL THREE PIECE STEEL APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.109" SIDES AND 0.138" CENTER PANELS. ALL THREE PIECE ALUMINUM APRON ENDWALLS FOR 66" X 51" PIPE ARCH AND LARGER SHALL HAVE 0.105" SIDES AND 0.134" CENTER PANELS. THE WIDTH OF CENTER PANELS SHALL BE GREATER THAN 20 PERCENT OF THE PIPE ARCH PERIMETER.

LAP SEAMS SHALL BE TIGHTLY JOINED BY GALVANIZED RIVETS OR BOLTS FOR STEEL UNITS AND ALUMINUM RIVETS AND BOLTS FOR ALUMINUM UNITS. FOR THE 77" X 52" THROUGH 112" X 75" APRON ENDWALL SIZES, THE REINFORCED EDGES AND CENTER PANEL SEAMS SHALL BE FURTHER REINFORCED WITH GALVANIZED STEEL OR ALUMINUM STIFFENER ANGLES. THE ANGLES SHALL BE ATTACHED BY GALVANIZED NUTS AND BOLTS FOR STEEL UNITS AND ALUMINUM NUTS AND BOLTS FOR ALUMINUM UNITS.

WHERE TWO OR MORE PIPES WITH APRON ENDWALLS ARE LAID ADJACENT TO EACH OTHER, THEY SHALL BE SEPARATED BY A DISTANCE SUFFICIENT TO PROVIDE A MINIMUM CLEARANCE OF 6 INCHES BETWEEN APRON ENDWALLS.

① FOR PIPE ARCH SIZES UP TO 73" X 55" A 180° ROLLED EDGE MAY BE USED INSTEAD OF STEEL ROD REINFORCEMENT. SEE SECTION A-A.

APRON ENDWALLS FOR PIPE ARCH AND ELLIPTICAL PIPE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

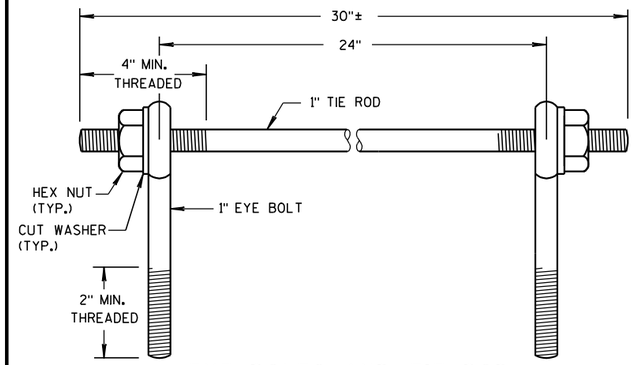
11/30/94 — DATE

/S/ Rory L. Rhinesmith — CHIEF ROADWAY DEVELOPMENT ENGINEER

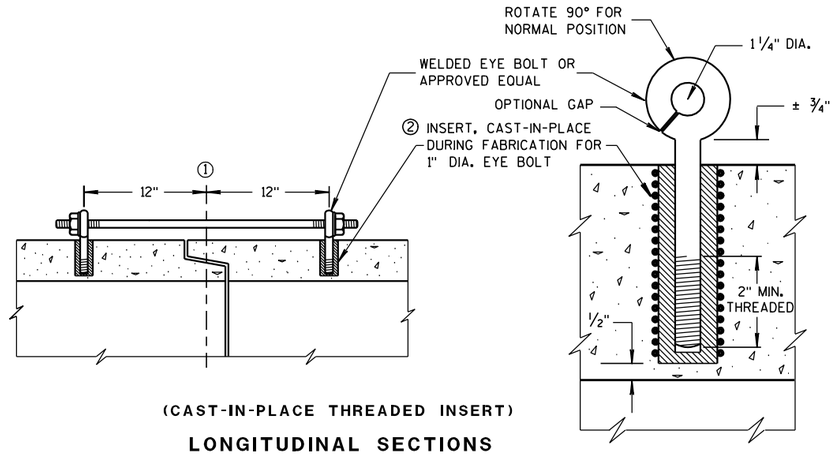
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EYE BOLTS AND TIE ROD



(CAST-IN-PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

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

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

① ℄ OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

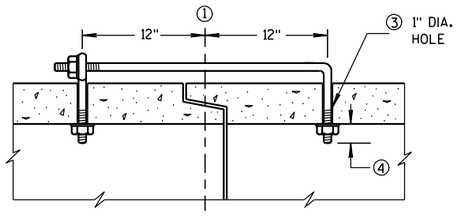
② THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

③ HOLES SHALL BE CAST-IN-PLACE OR DRILLED 12 INCHES FROM ℄ OF TONGUE AND GROOVE.

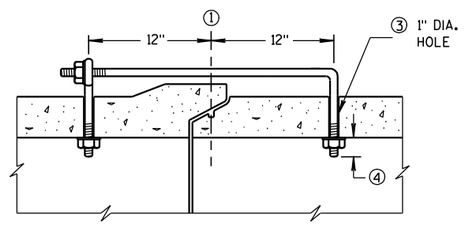
④ BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

⑤ OPENING TO BE ROD DIAMETER PLUS 1 INCH.

⑥ LENGTH ADEQUATE TO EXTEND TO WITHIN 1/2 INCH OF THE INNER SURFACE OF THE PIPE.



(TONGUE & GROOVE PIPE)

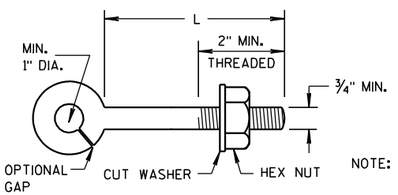


(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

EYE BOLT DIMENSION TABLE

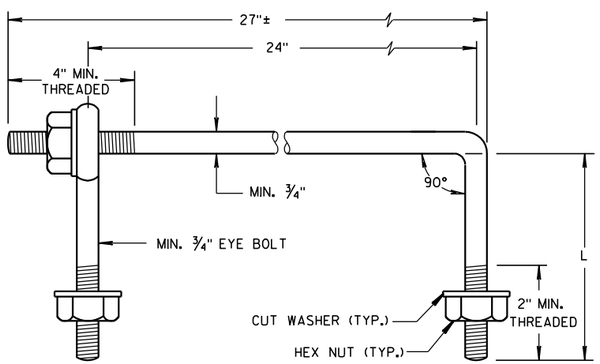
PIPE SIZE	L = LENGTH	
	TONGUE & GROOVE PIPE	MODIFIED BELL PIPE
18" TO 24"	4 1/2"	6 1/4"
30"	5"	7"
36"	5 1/2"	7"
42"	6"	
48"	6 1/2"	
60"	7 1/2"	
66"	8"	



NOTE:

EYE BOLT

NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD

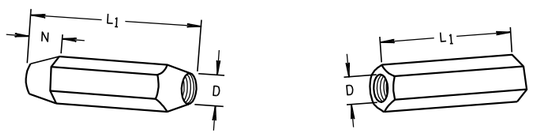
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12-60	5/8	5/8	5	1/2
66-84	3/4	3/4	5	1/2
90-108	1	1	7	1 1/16

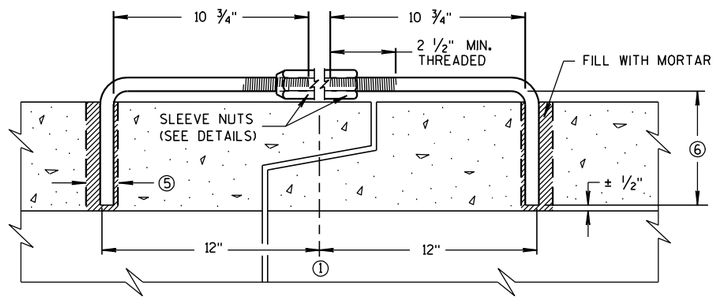
DIMENSIONS SHOWN ARE IN INCHES



TAPERED PLAIN

RIGHT AND LEFT THREADS

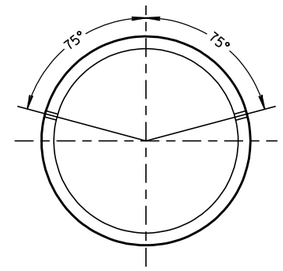
SLEEVE NUTS



LONGITUDINAL SECTION

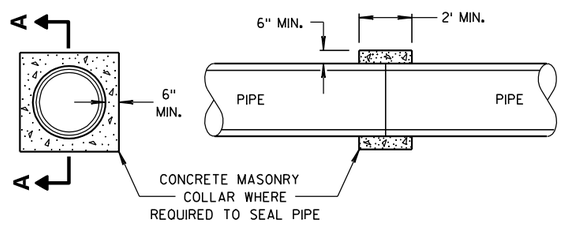
(JOINT TIES FOR 12" TO 108" DIA. CONCRETE PIPE)

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A-A

CONCRETE COLLAR DETAIL

JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

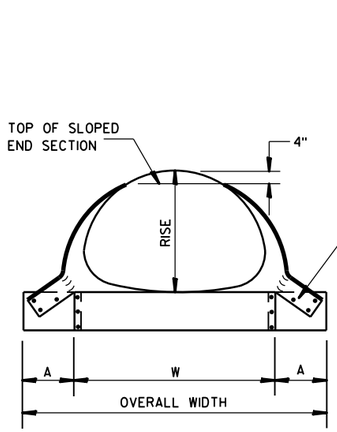
APPROVED
6/5/2012 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

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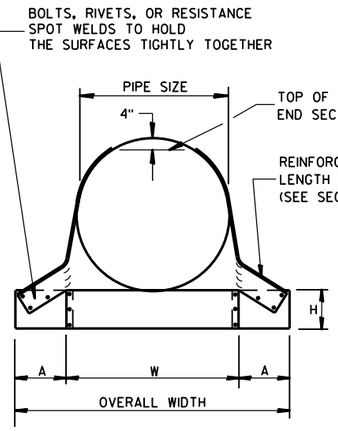
S.D.D. 8 F 4-7

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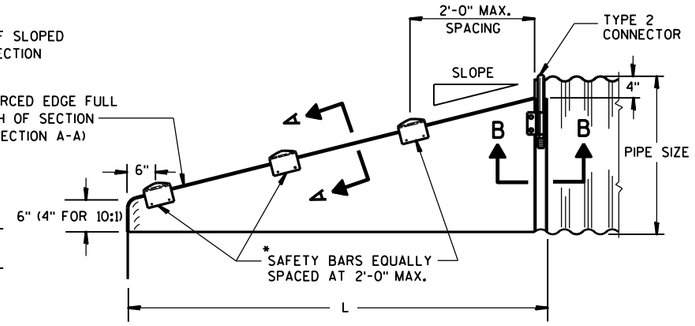
S.D.D. 8 F 4-7



FRONT VIEW



FRONT VIEW



SIDE VIEW

GENERAL NOTES

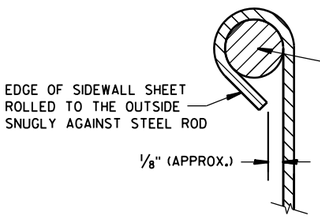
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SLOPED END SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, SECTION 521 FOR STEEL APRON ENDWALLS.

SAFETY BARS SHALL BE FABRICATED FROM GALVANIZED STEEL PIPE MEETING THE REQUIREMENTS OF ASTM A-53, GRADE B, SCHEDULE 40 OR APPROVED EQUAL.

STEEL APRON ENDWALLS FOR CULVERT PIPE
SLOPED SIDE DRAINS

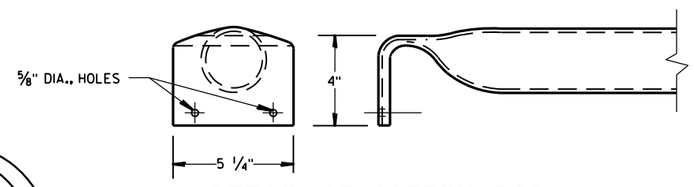
PIPE DIA. (IN.)	MIN. THICK. (Inches)	DIMENSIONS (Inches)				L DIMENSIONS					
		A	H	W	OVERALL WIDTH	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	.064	8	6	21	37	4:1	20	6:1	30	10:1	70
18	.064	8	6	24	40	4:1	32	6:1	48	10:1	100
21	.064	8	6	27	43	4:1	44	6:1	66	10:1	130
24	.064	8	6	30	46	4:1	56	6:1	84	10:1	160
30	.109	12	9	36	60	4:1	80	6:1	120	10:1	220
36	.109	12	9	42	66	4:1	104	6:1	156	10:1	280
42	.109	16	12	48	80	4:1	128	6:1	192	——	——
48	.109	16	12	54	86	4:1	152	6:1	228	——	——
54	.109	16	12	60	92	4:1	176	6:1	264	——	——
60	.109	16	12	66	98	4:1	200	6:1	300	——	——



SECTION A-A

*NOTE:
THREE SAFETY BARS ARE SHOWN. ACTUAL NUMBER OF BARS REQUIRED AT A 2'-0" C-C MAX. SPACING WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION.

3" GALVANIZED PIPE. FLATTEN ENDS, THEN BEND OUTSIDE 4" TO MATCH END SECTION SIDES.

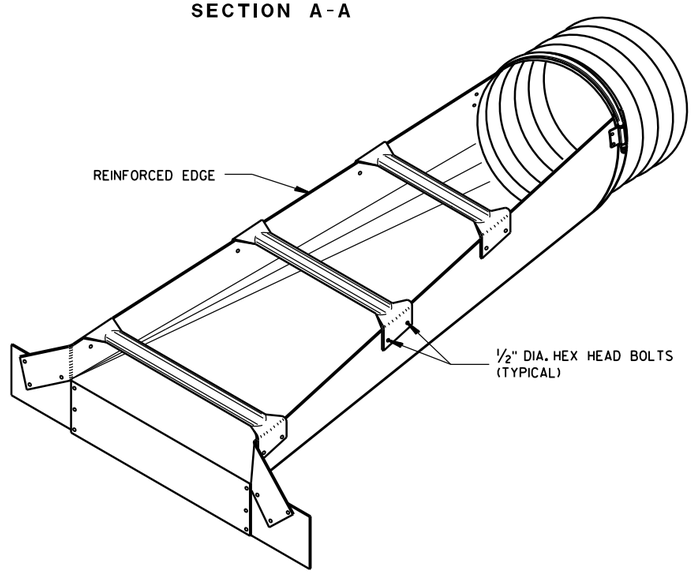


DETAIL OF SAFETY BAR

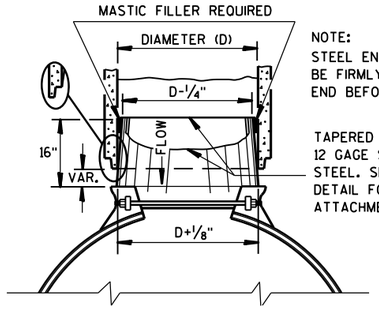
STEEL APRON ENDWALLS FOR PIPE ARCH
SLOPED SIDE DRAINS

EQUIV. DIA. (Inches)	(Inches) SPAN	(Inches) RISE	MIN. THICK. (Inches) ①	DIMENSIONS (Inches) A	H	W	OVERALL WIDTH	L DIMENSIONS SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES	SLOPE	LENGTH INCHES
15	17	13	.064 *	7	6	30	44	4:1	19	6:1	30	10:1 ②	70
18	21	15	.064 *	8	6	27	43	4:1	20	6:1	30	10:1	70
21	24	18	.064 *	8	6	30	46	4:1	32	6:1	48	10:1	100
24	28	20	.064 *	8	6	34	50	4:1	40	6:1	60	10:1	120
30	35	24	.079 *	12	9	41	65	4:1	56	6:1	84	10:1	160
36	42	29	.109 *	12	9	48	72	4:1	76	6:1	114	10:1	210
42	49	33	.109	16	12	55	87	4:1	92	6:1	138	——	——
48	57	38	.109	16	12	63	95	4:1	112	6:1	168	——	——
54	64	43	.109	16	12	70	102	4:1	132	6:1	198	——	——

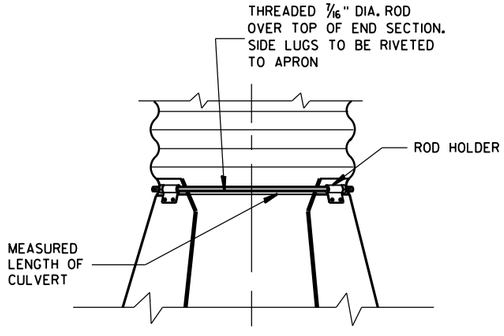
① * MINIMUM THICKNESS OF ALL 10:1 SLOPED SIDE DRAINS IS 0.109".
② ACTUAL SLOPE GREATER THAN 10:1.



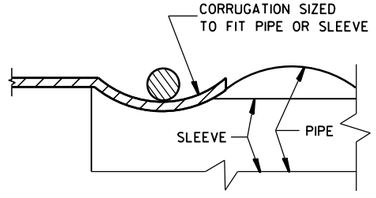
ISOMETRIC VIEW



STEEL ADAPTER SLEEVE FOR CONCRETE PIPE



TYPE 2
CONNECTION DETAIL



SECTION B-B

STEEL APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH SLOPED SIDE DRAINS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

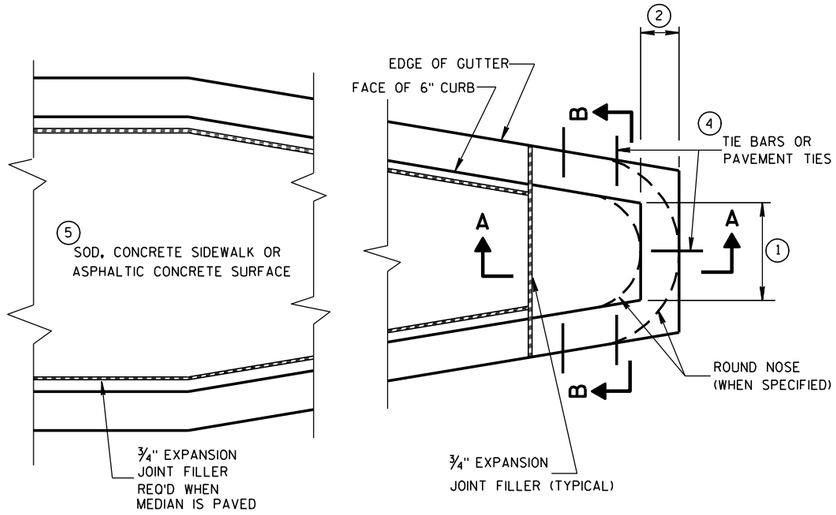
APPROVED
9/14/2012 — DATE
/S/ Jerry H. Zoda — ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

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S.D.D. 8 F 7-5

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S.D.D. 8 F 7-5



CONCRETE MEDIAN BLUNT NOSE DETAIL

GENERAL NOTES

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

(1) SEE PLAN FOR MEDIAN NOSE WIDTH AND RADIUS (FOR ROUND NOSE ALTERNATE).

(2) WIDTH OF GUTTER TO MATCH EXISTING ADJACENT GUTTER OR AS SPECIFIED ELSEWHERE IN THE PLAN.

(3) DEPTH EQUAL TO ADJACENT PAVEMENT. ADJACENT PAVEMENT STRUCTURE DETAILS ARE SHOWN ON THE PLAN. TYPICAL OPTIONS ARE:

(1) NEW OR EXISTING CONCRETE PAVEMENT.

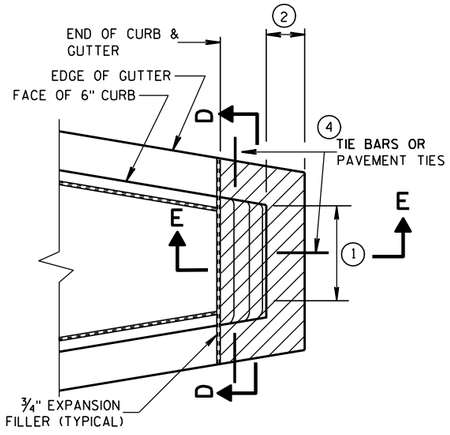
(2) ASPHALTIC CONCRETE PAVEMENT OVER NEW OR EXISTING CONCRETE BASE COURSE.

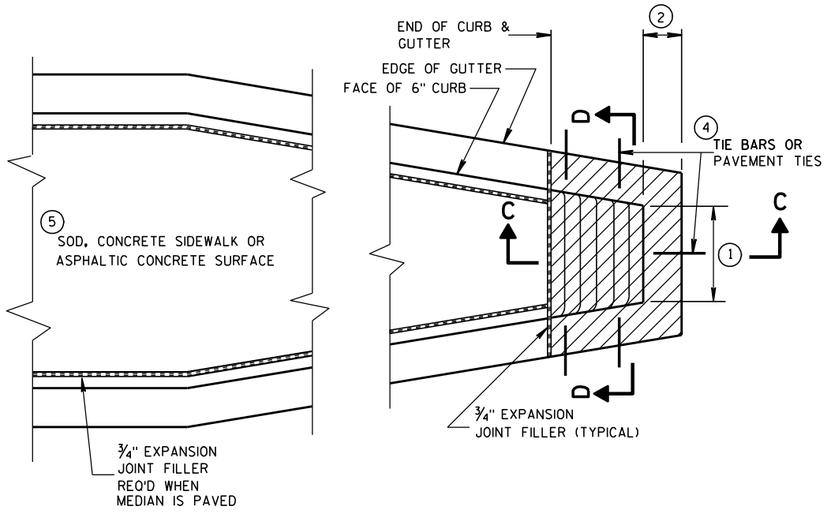
(3) ASPHALTIC CONCRETE PAVEMENT OVER CRUSHED AGGREGATE BASE COURSE.

(4) TIE BARS OR PAVEMENT TIES REQUIRED IN NEW CONCRETE PAVEMENT OR CONCRETE BASE COURSE. TIE BARS SHALL BE NO. 4 X 2'-0" SPACED AT 2'-0" C-C.

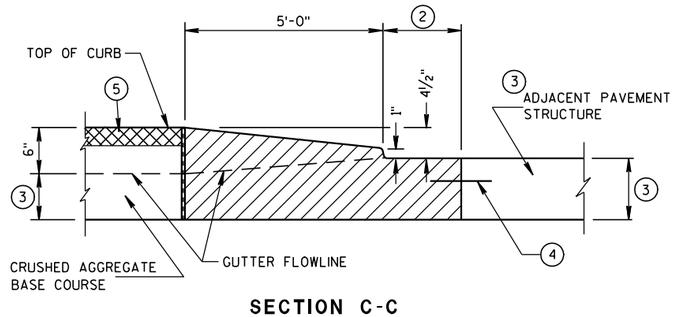
PAVEMENT TIES REQUIRED IN EXISTING CONCRETE BASE COURSE. PAVEMENT TIES SHALL BE NO. 6 X 1'-0" SPACED AT 3'-0" C-C INSTALLED ON A HORIZONTAL SKEW OF 6:1. THE DIRECTION OF SKEW SHALL ALTERNATE AFTER EVERY ONE OR TWO BARS.

(5) SURFACE TYPE AND DETAILS ARE SHOWN ELSEWHERE IN THE PLAN.

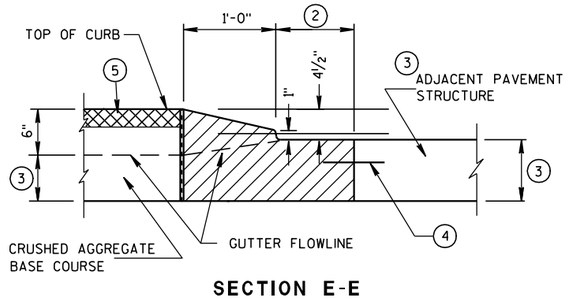




CONCRETE MEDIAN SLOPED NOSE TYPE 1

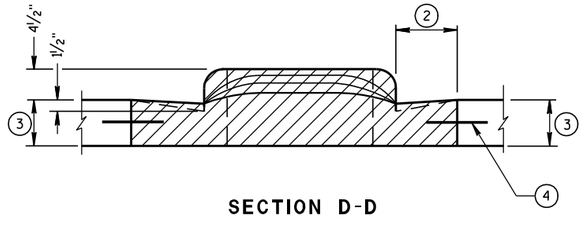


SECTION C-C



SECTION E-E

CONCRETE MEDIAN SLOPED NOSE TYPE 2



SECTION D-D

CONCRETE MEDIAN NOSE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

6/8/2006
DATE

/S/ Jerry H. [illegible]
ROADWAY STANDARDS ENGINEER

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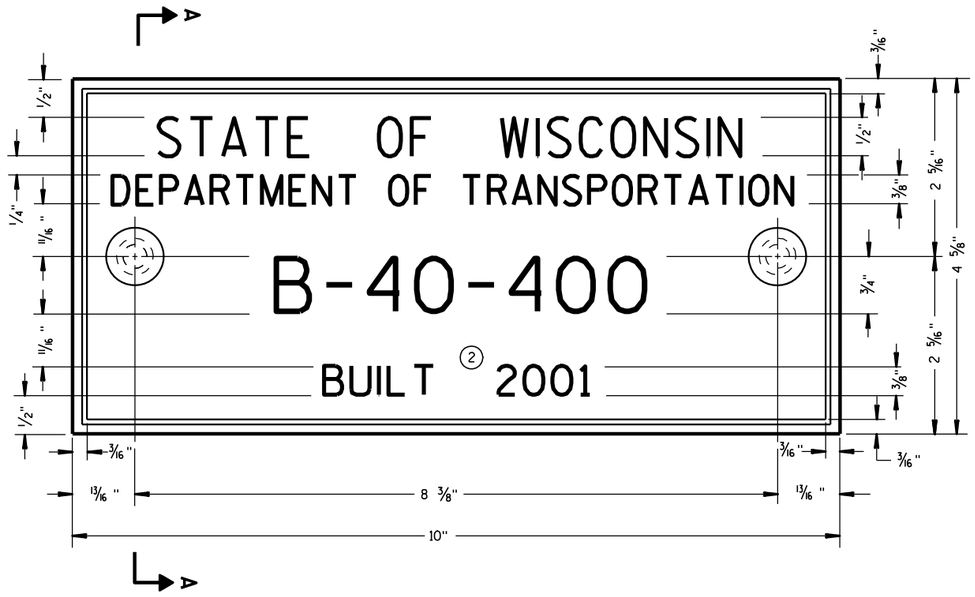
FHWA

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S.D.D. 11 B 2-2

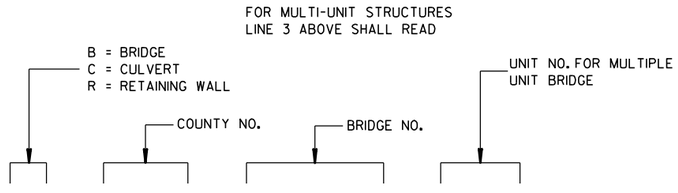
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S.D.D. 11 B 2-2



TYPICAL NAME PLATE

(BRIDGES, CULVERTS, AND RETAINING WALLS)



NUMBERING DESIGNATION
MULTI-UNIT STRUCTURES

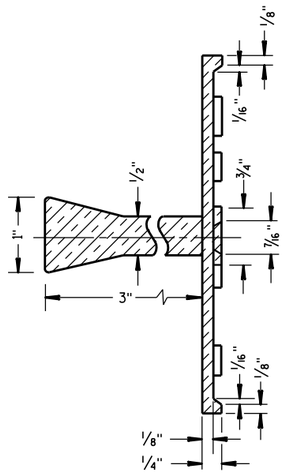
GENERAL NOTES

NAME PLATES TO BE INSTALLED ON BRIDGES, CULVERTS, AND RETAINING WALLS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS.

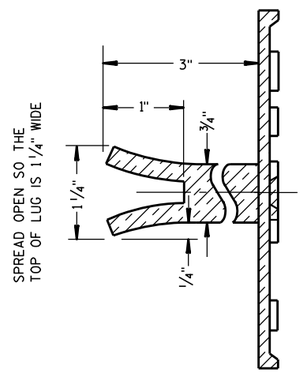
THE BRIDGE NUMBER AND YEAR BUILT SHOWN ON THIS DRAWING ARE EXAMPLES ONLY. SEE CONSTRUCTION PLANS FOR INDIVIDUAL NUMBERING AND YEAR BUILT.

(1) EPOXY RESIN SHALL BE FROM AN APPROVED MANUFACTURER AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

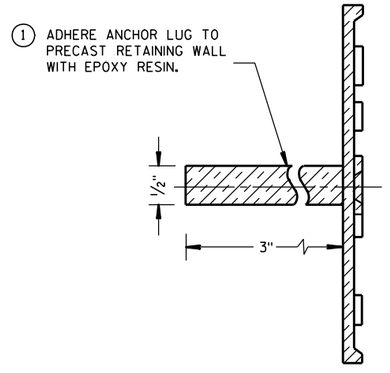
(2) REHABILITATION OF AN EXISTING STRUCTURE SHOULD USE THE DATE OF ORIGINAL STRUCTURE CONSTRUCTION.



SECTION A-A



ALTERNATE LUG



ALTERNATE LUG

(FOR ATTACHMENT TO PRECAST STRUCTURES)

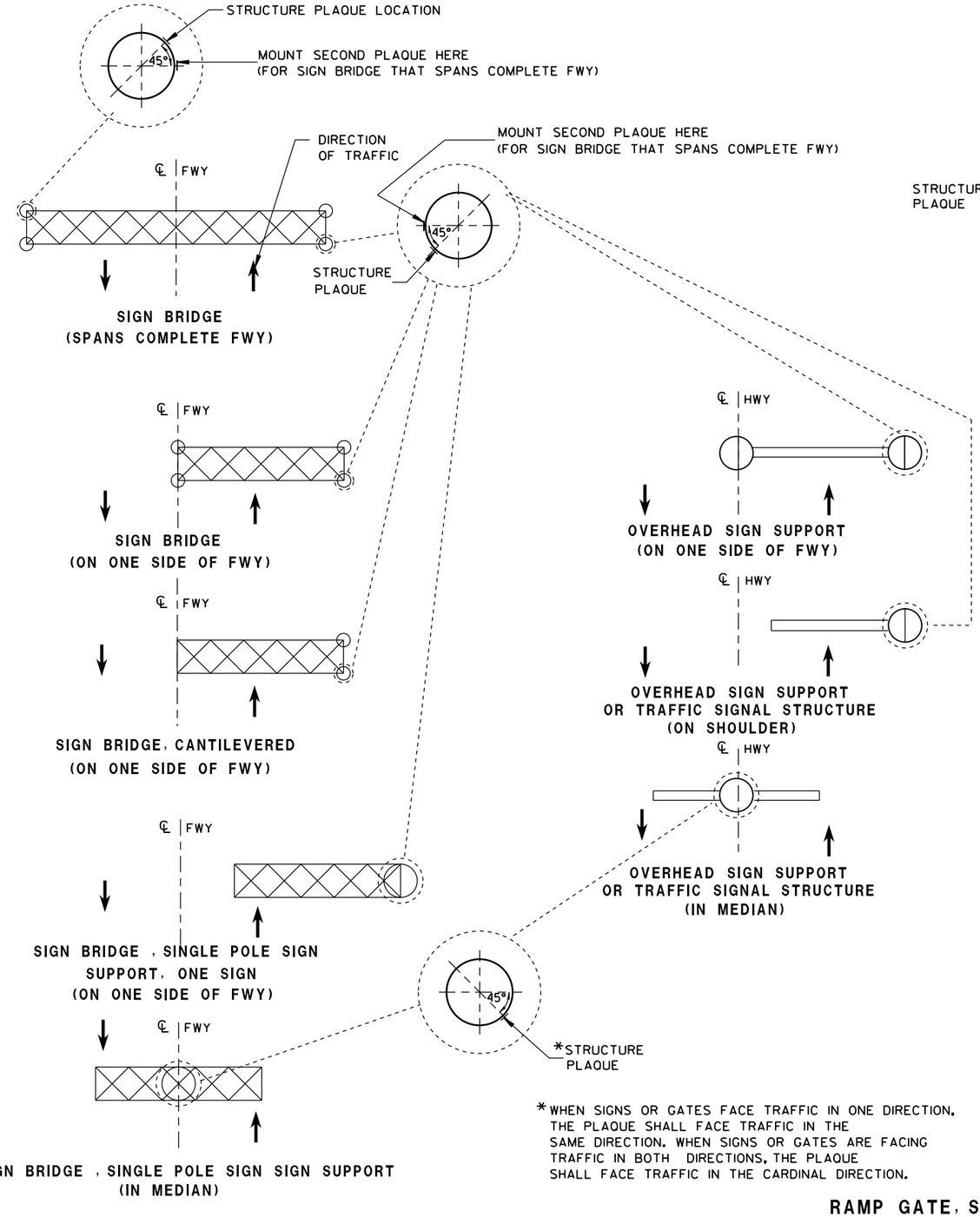
NAME PLATE (STRUCTURES)	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
3/26/10 DATE	/S/ Scot Beck -- CHIEF STRUCTURAL DEVELOP ENGINEER
FHWA	

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S.D.D. 12 A 3-10

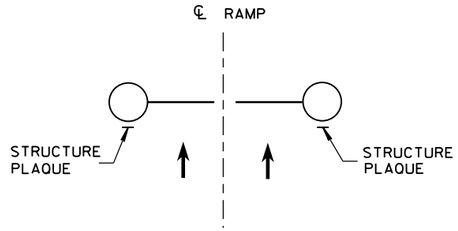
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S.D.D. 12 A 3-10

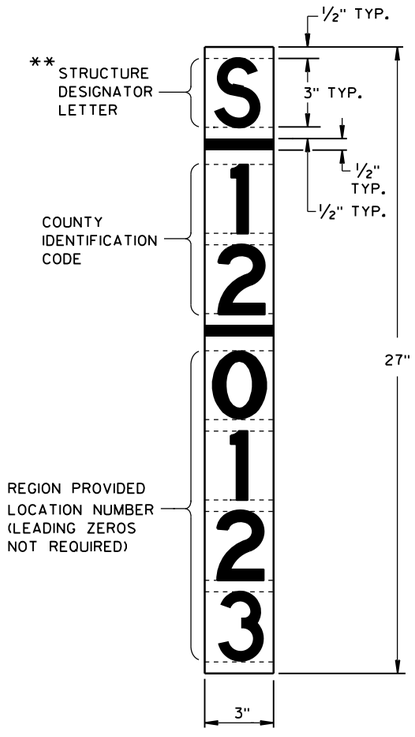


*WHEN SIGNS OR GATES FACE TRAFFIC IN ONE DIRECTION, THE PLAQUE SHALL FACE TRAFFIC IN THE SAME DIRECTION. WHEN SIGNS OR GATES ARE FACING TRAFFIC IN BOTH DIRECTIONS, THE PLAQUE SHALL FACE TRAFFIC IN THE CARDINAL DIRECTION.

LOCATION OF RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT & TRAFFIC SIGNAL STRUCTURE PLAQUES



**RAMP GATE
(ACROSS FWY ON-RAMP)**



** LETTER "G" UTILIZED FOR RAMP GATES. LETTER "S" UTILIZED FOR SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, AND TRAFFIC SIGNALS.

RAMP GATE, SIGN BRIDGE, OVERHEAD SIGN SUPPORT AND TRAFFIC SIGNAL STRUCTURE PLAQUE FOR SIGN BRIDGES AND OVERHEAD SIGN SUPPORT WHICH ARE NOT STRUCTURE MOUNTED

GENERAL NOTES

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

PLAQUES SHALL BE INCIDENTAL TO ALL NEW INSTALLATIONS.

IF THE PROPOSED SIGN BRIDGE OR OVERHEAD SIGN SUPPORT IS REPLACING AN EXISTING SIGN BRIDGE OR OVERHEAD SIGN SUPPORT, A NEW IDENTIFICATION PLAQUE WILL BE REQUIRED.

FASTEN TOP, CENTER AND BOTTOM OF PLAQUE TO POLE OR OTHER LOCATION AS FOLLOWS:

GALVANIZED STEEL SHAFT - 3 STAINLESS STEEL POP RIVETS

A588 STEEL SHAFT - SHIM FOR DRAINAGE WITH STAINLESS WASHERS; FASTEN WITH STAINLESS SELF-TAPPING SCREWS

ALUMINUM SHAFTS - 3 ALUMINUM POP RIVETS

MOUNTING HEIGHT SHALL BE APPROXIMATELY 5.0' ABOVE CURB OR SHOULDER. ADJUST IF IT IS KNOWN THAT REQUIRED TRAFFIC SIGNS WILL OBSTRUCT.

PLAQUE MATERIALS:

BASE - SHEET ALUMINUM, 0.060" THICK.

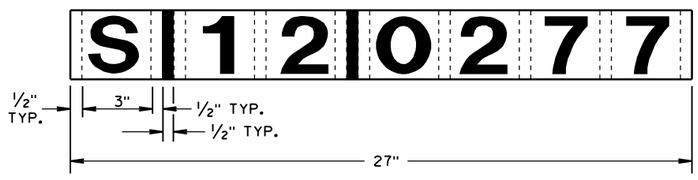
FACE - WHITE, SELF-ADHESIVE VINYL SHEETING, NON-RETROREFLECTIVE

LINES - BLACK, ½" WIDE, SELF-ADHESIVE

CHARACTERS:- BLACK, SELF ADHESIVE, SERIES "D", SIZE AS SHOWN.

FOR SIGN BRIDGES, STRUCTURE MOUNTED, THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY AS SHOWN ON THE DRAWING. THE STRUCTURE PLAQUE SHALL BE MOUNTED HORIZONTALLY TO THE BACK OF THE SIGN, BETWEEN THE ALUMINUM EXTRUSIONS, NEAR THE TOP LEFT HAND CORNER OF THE SIGN. THE BASE MATERIAL SHALL BE OMITTED AND THE FACE ADHERED DIRECTLY TO THE ALUMINUM SURFACE. PRIOR TO ADHERING THE MATERIAL, THE ALUMINUM SURFACE SHALL BE SMOOTH, CLEAN AND DRY.

WHERE SIGN BRIDGE ILLUMINATION IS PROVIDED, THE STRUCTURE MUST ALSO HAVE A SIGN BRIDGE CIRCUIT PLAQUE AS SHOWN IN THE ELECTRICAL DETAILS.



IDENTIFICATION PLAQUE FOR SIGN BRIDGE, STRUCTURE MOUNTED

STRUCTURE IDENTIFICATION PLAQUES, RAMP GATES, SIGN BRIDGES, OVERHEAD SIGN SUPPORTS, & TRAFFIC SIGNALS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

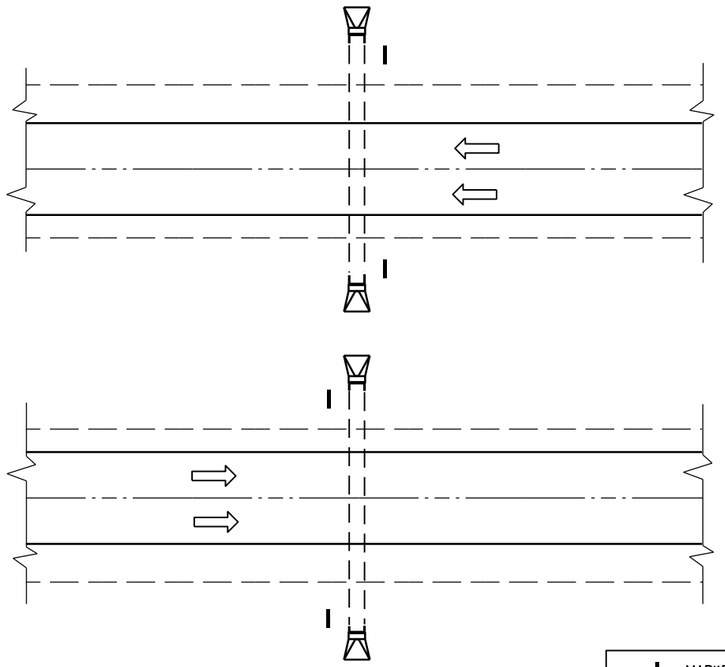
APPROVED
12/4/2012 DATE
/S/ Travis Feltes STATE TRAFFIC ENGINEER
FHWA

6

S.D.D. 12 A 4-3

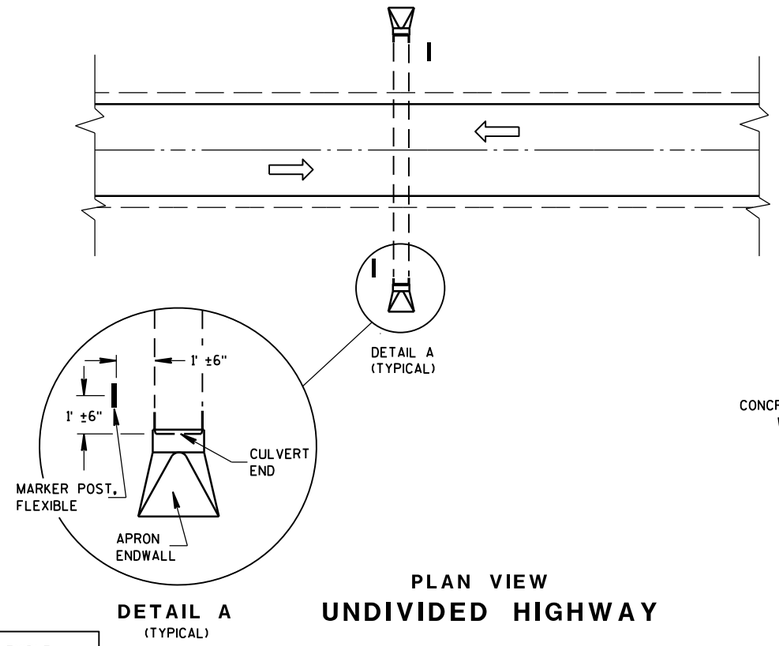
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S.D.D. 12 A 4-3



PLAN VIEW

DIVIDED HIGHWAY



DETAIL A
(TYPICAL)

PLAN VIEW

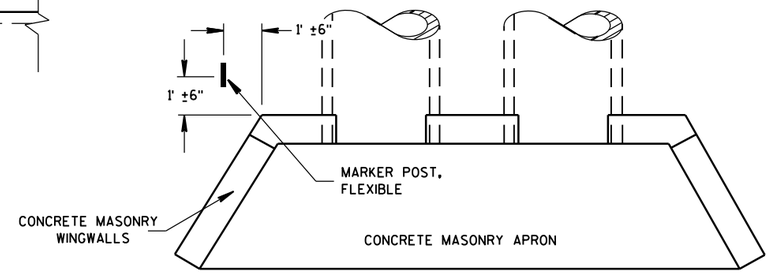
UNDIVIDED HIGHWAY

MARKER POST, FLEXIBLE

DIRECTION OF TRAFFIC FLOW

GENERAL NOTES

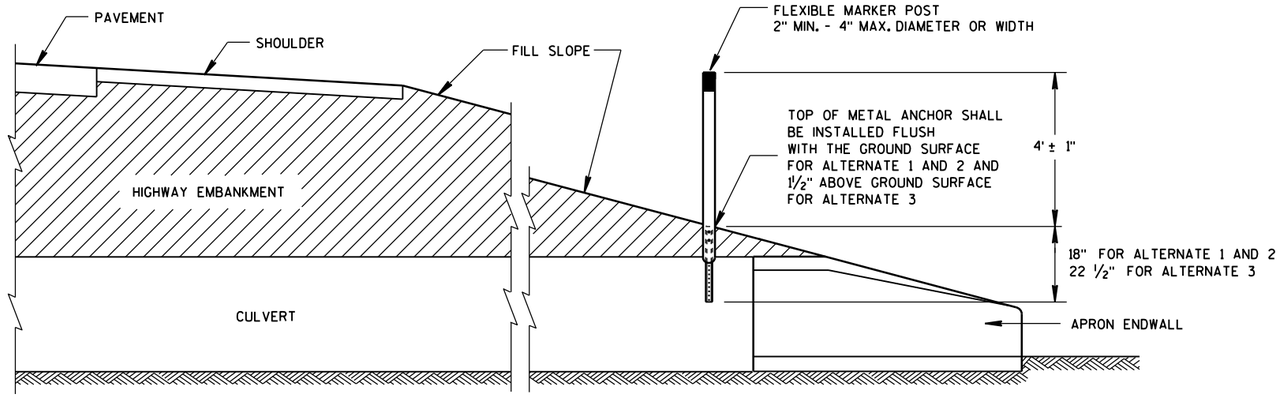
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.



PLAN VIEW

CONCRETE MASONRY ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

FLEXIBLE MARKER POST LOCATION



CROSS SECTION

FLEXIBLE MARKER POST

FLEXIBLE MARKER POST FOR CULVERT END

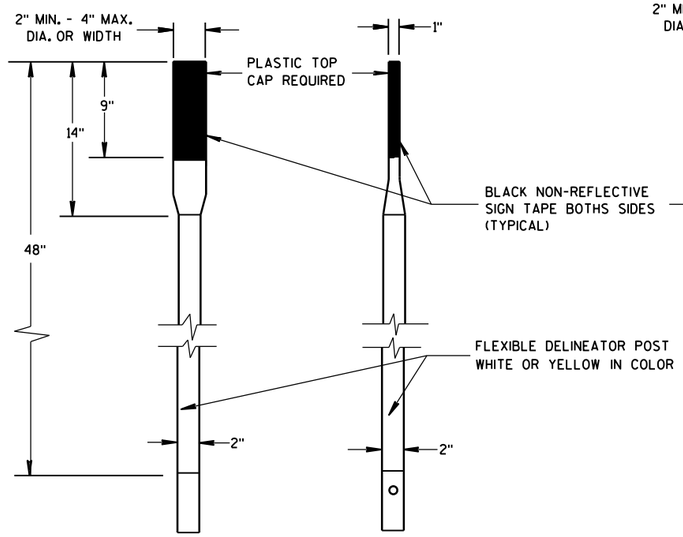
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

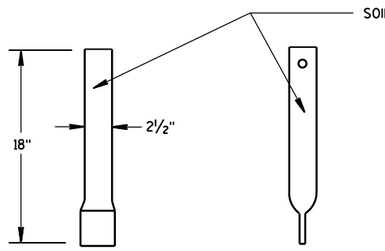
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S.D.D. 15 A 3-2a

6

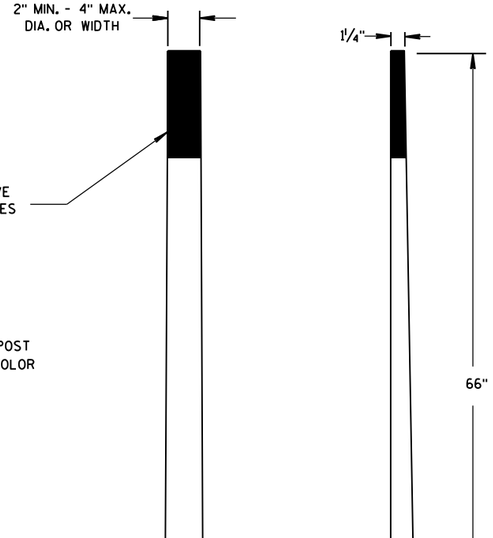
S.D.D. 15 A 3-2a





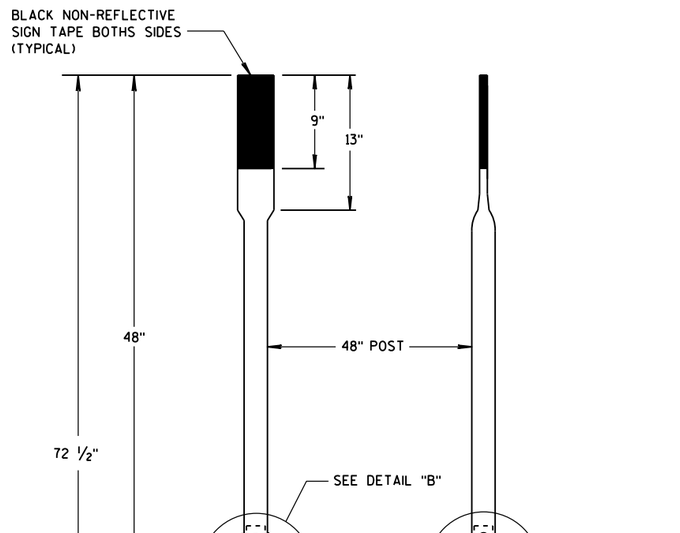
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

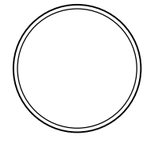
ALTERNATE 2



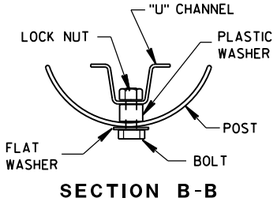
FRONT VIEW SIDE VIEW

ALTERNATE 3

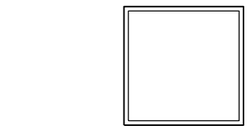
FLEXIBLE MARKER POSTS



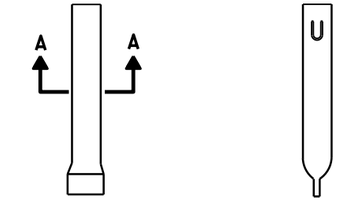
SECTION A-A



SECTION B-B

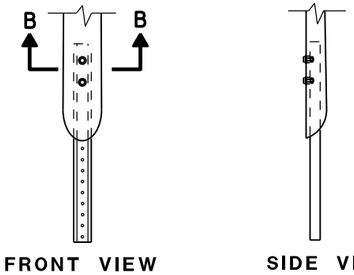


SECTION C-C



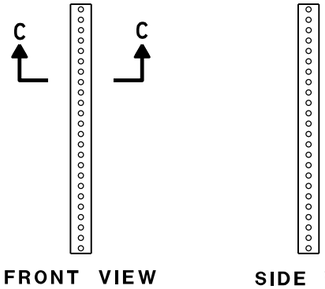
FRONT VIEW SIDE VIEW

ALTERNATE 1



FRONT VIEW SIDE VIEW

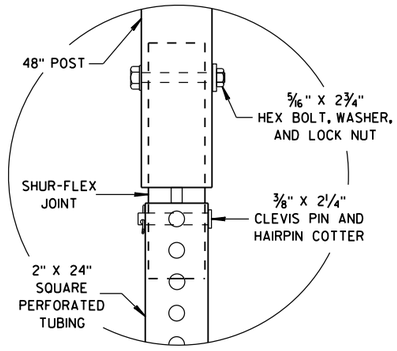
ALTERNATE 2



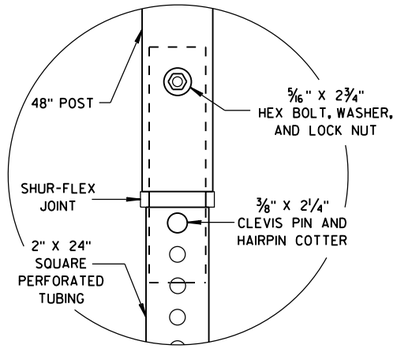
FRONT VIEW SIDE VIEW

ALTERNATE 3

FLEXIBLE MARKER POST ANCHORS



DETAIL B



DETAIL C

FLEXIBLE MARKER POST
FOR CULVERT END

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

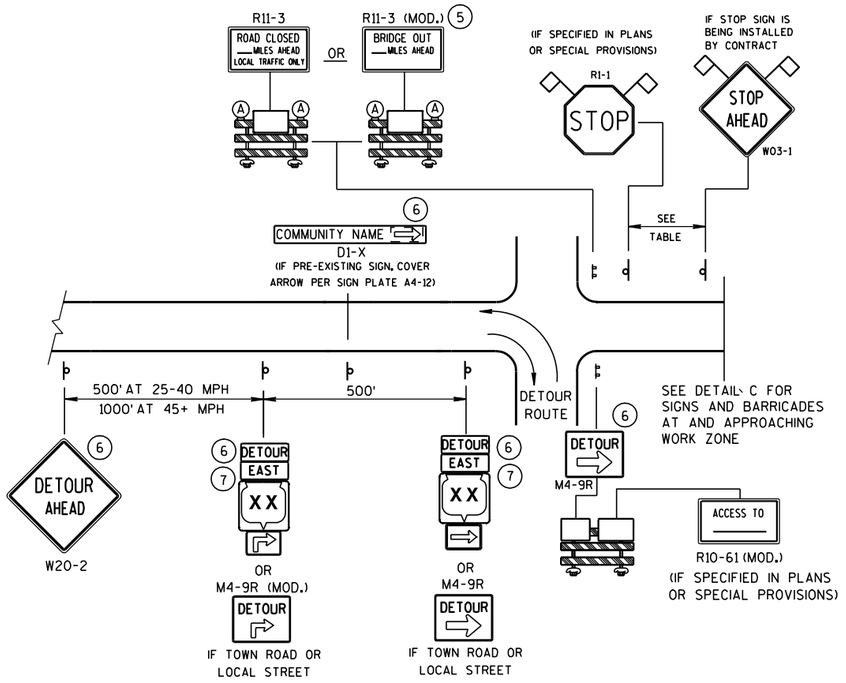
APPROVED
10/1/2012
DATE
/S/ Travis Feltes
STATE TRAFFIC ENGINEER
FHWA

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S.D.D. 15 A 3-2b

6

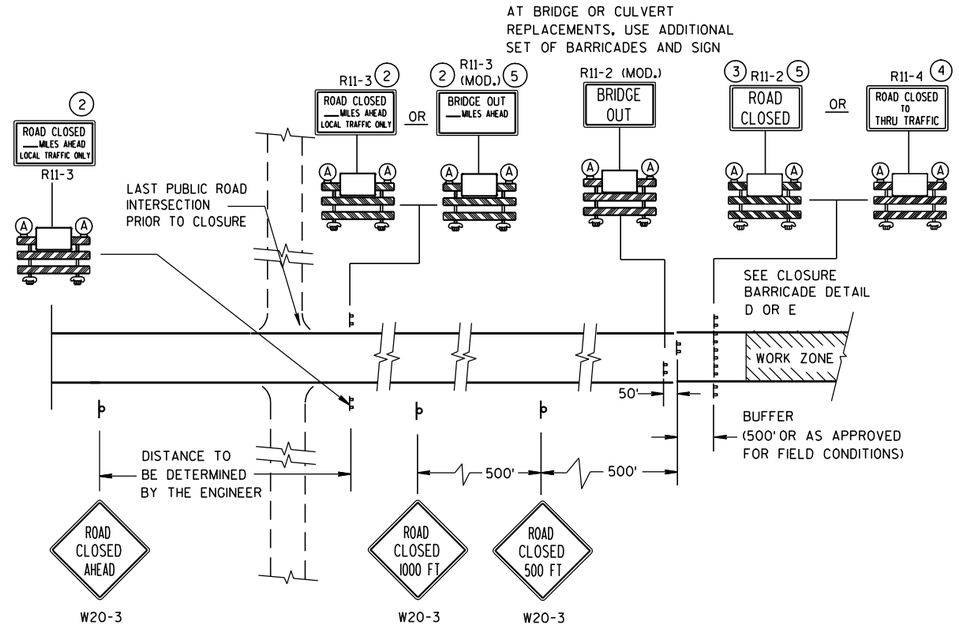
S.D.D. 15 A 3-2b



DETAIL A

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

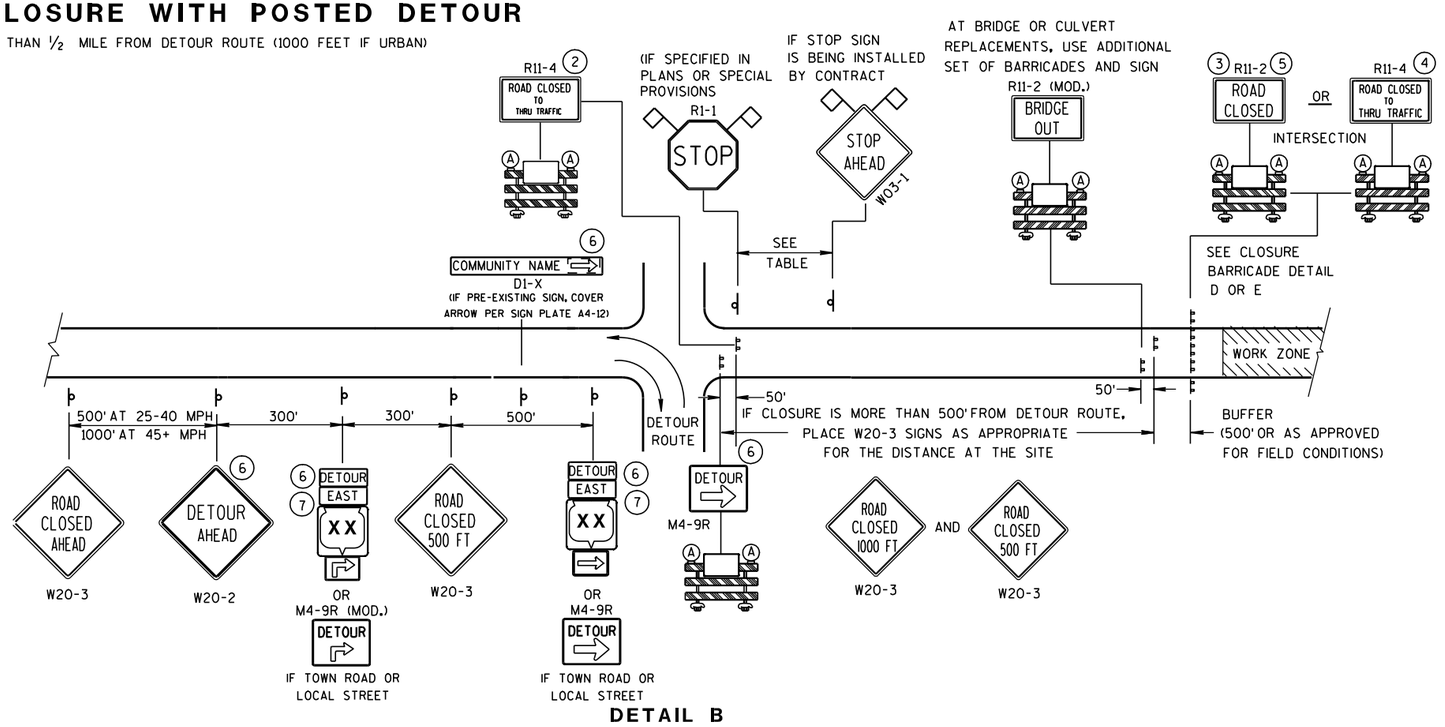


DETAIL C

MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-4b
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦



DETAIL B

MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)

LEGEND

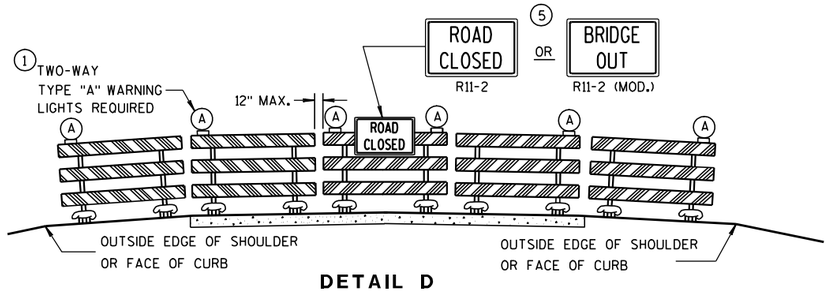
- POST MOUNTED SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK ZONE
- DETOUR / EAST — M4-8 / M3-X
- XX — M1-4; COUNTY XX — M1-5A; XX — M1-6
- M05-1 OR M06-1
- FLAGS, 16" X 16" MIN., (ORANGE)

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

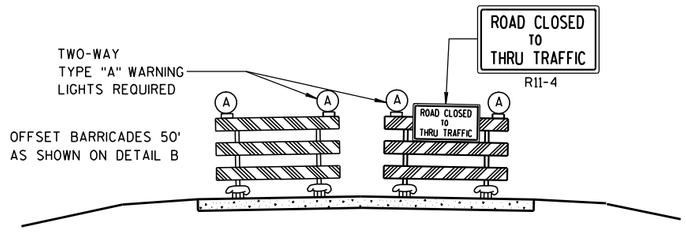
S.D.D. 15 C 2-4a



DETAIL D

ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E

LANE CLOSURE BARRICADE DETAIL

APPROACH VIEW

SEE SDD 15C2-4a FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3, R11-4, R10-61 AND R1-1 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
- R11-2 SHALL BE 48" X 30".
- R11-3, R11-4 AND R10-61 SHALL BE 60" X 30".
- M4-9 SHALL BE 30" X 24".
- M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
- M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
- M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
- D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.
- R1-1 SHALL BE 36" X 36".

(1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT LIGHT SPACING).

(2) THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.

(3) FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.

(4) FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.

(5) FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.

(6) INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS, PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.

(7) "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/16/03
DATE

/S/ Thomas N. N[illegible]
CHIEF SIGNS AND MARKINGS ENGINEER

FHWA

6

S.D.D. 15 C 2-4b

THIS DRAWING PROVIDES GENERAL GUIDANCE ON TYPICAL DETOUR SIGN LAYOUT AND SPACING. SEE PROJECT DETOUR SIGNING SHEETS FOR SPECIFIC DETAILS FOR EACH PROJECT.

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. MODIFY EXISTING SIGNS WHERE POSSIBLE.

THE SPACING BETWEEN TRAFFIC CONTROL AND DETOUR SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE", SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

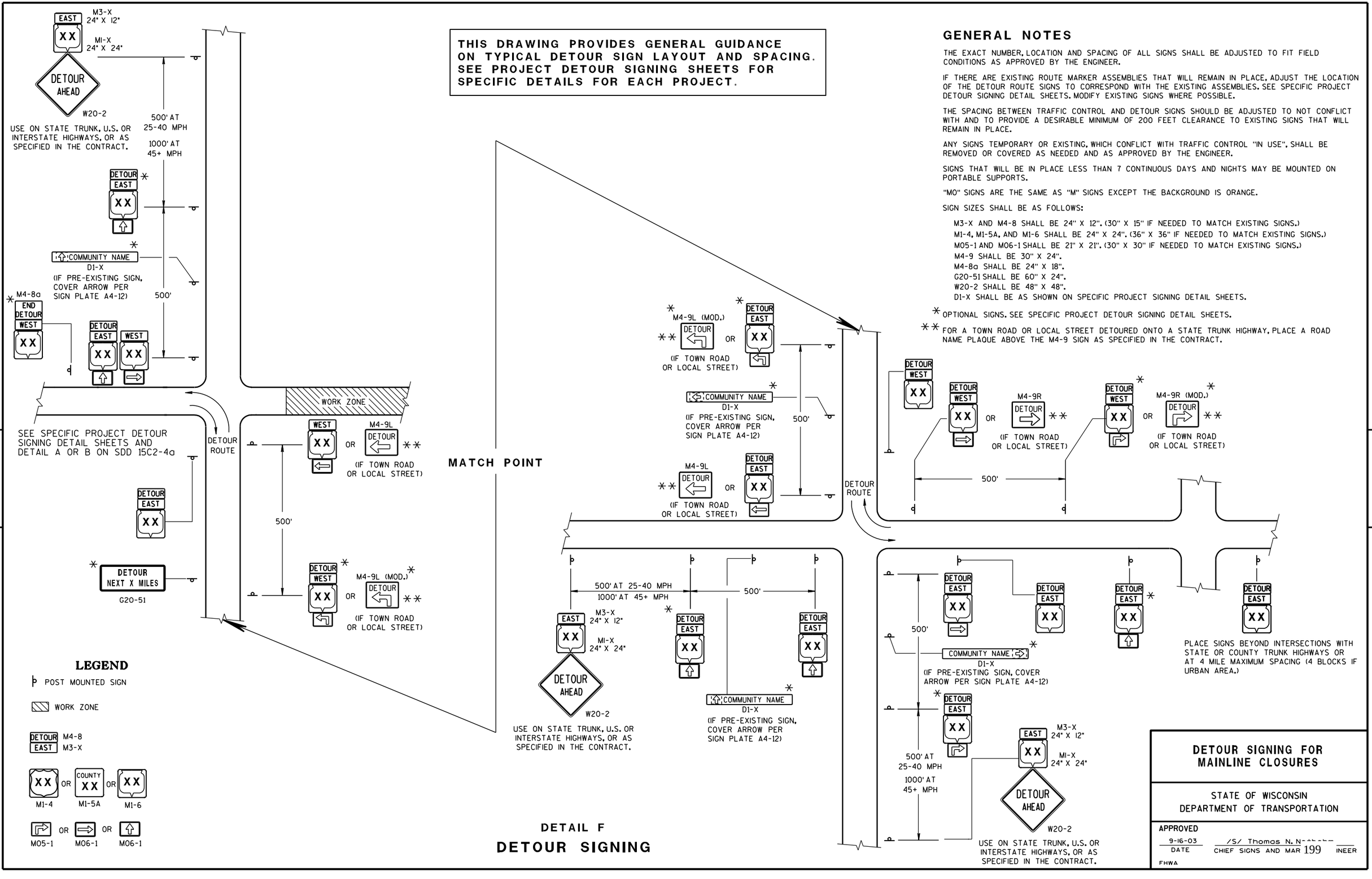
"MO" SIGNS ARE THE SAME AS "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGN SIZES SHALL BE AS FOLLOWS:

M3-X AND M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.)
M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.)
M05-1 AND M06-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.)
M4-9 SHALL BE 30" X 24".
M4-8a SHALL BE 24" X 18".
G20-51 SHALL BE 60" X 24".
W20-2 SHALL BE 48" X 48".
D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS.

* OPTIONAL SIGNS. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS.

** FOR A TOWN ROAD OR LOCAL STREET DETOURED ONTO A STATE TRUNK HIGHWAY, PLACE A ROAD NAME PLAQUE ABOVE THE M4-9 SIGN AS SPECIFIED IN THE CONTRACT.



DETAIL F

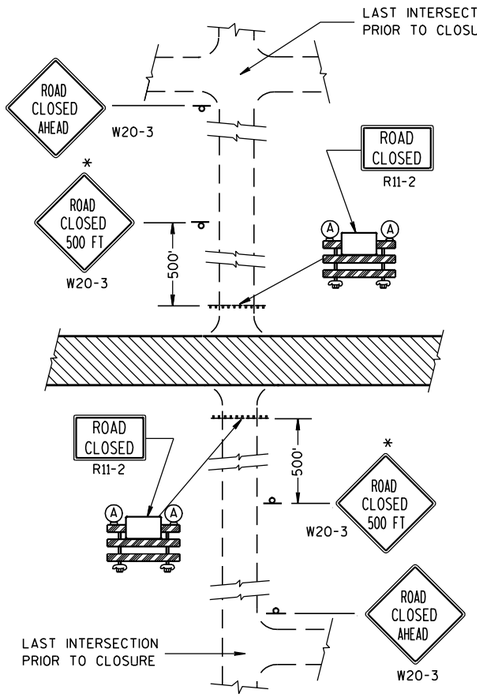
DETOUR SIGNING

DETOUR SIGNING FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

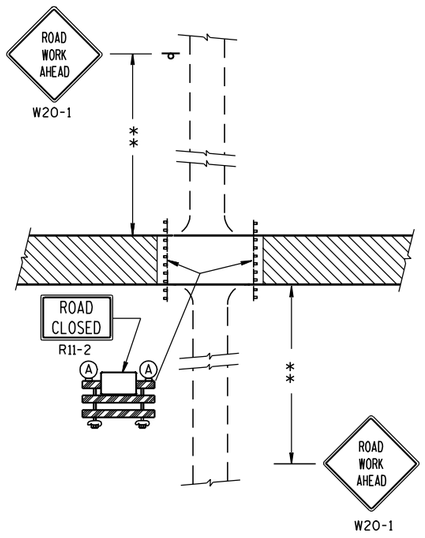
APPROVED
9-16-03 DATE
/S/ Thomas N. Nabholz CHIEF SIGNS AND MARKINGS ENGINEER
FHWA

6 S.D.D. 15 C 2-4c



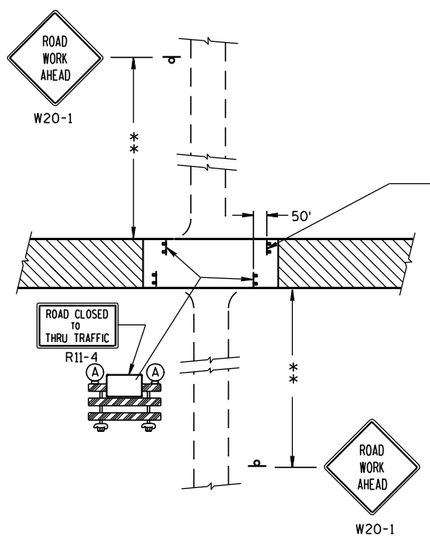
DETAIL 1

(NO ACCESS TO PROJECT)



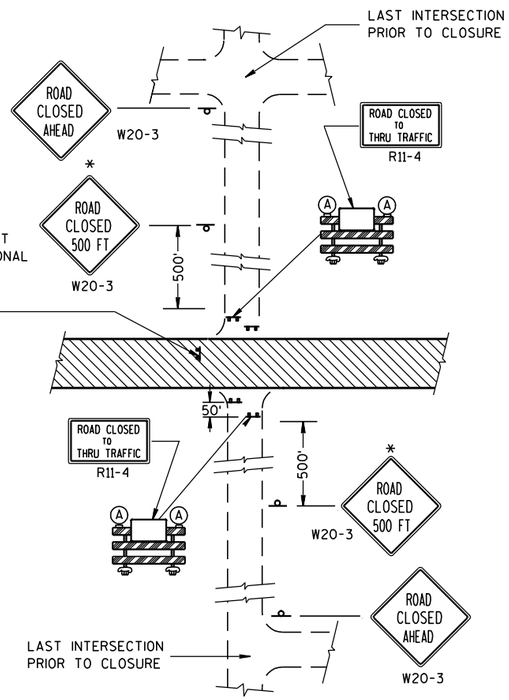
DETAIL 2

(PUBLIC CROSS-TRAFFIC MAINTAINED. NO ACCESS TO PROJECT).



DETAIL 3

(PUBLIC CROSS-TRAFFIC MAINTAINED. CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS).



DETAIL 4

(CONTRACTOR, LOCAL BUSINESS AND RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3 AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

THE REFLECTIVE SHEETING USED ON R11-2, R11-3 AND R11-4 SIGNS SHALL COMPLY WITH SUBSECTION 637.2.2.2 OF THE STANDARD SPECIFICATIONS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

*OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FT. OR LESS FROM THE WORK ZONE.

**500' MAX. OR AT LAST INTERSECTION WHICHEVER IS CLOSER.

LEGEND

- POST MOUNTED WARNING SIGN
- TYPE III BARRICADES
- (A) TYPE "A" LOW INTENSITY FLASHING WARNING LIGHT (FOR NIGHT USE)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9-16-03
DATE

/S/ Thomas N. N[illegible]
CHIEF SIGNS AND MAR 200 INEER

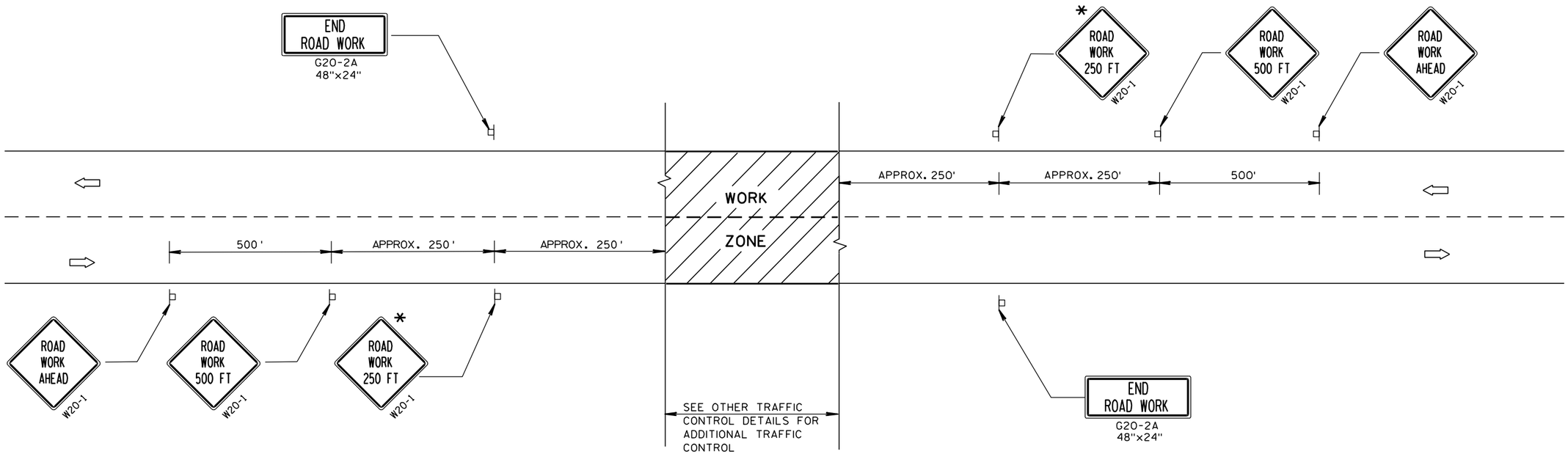
FHWA

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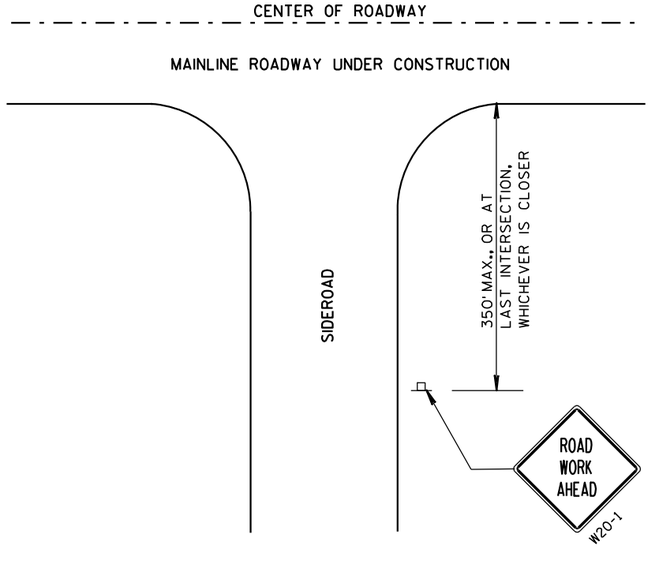
S.D.D. 15 C 3-1

6

S.D.D. 15 C 3-1



TYPICAL SIDEROAD APPROACH WARNING SIGN DETAIL



GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS RE-ESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FT" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.

LEGEND

POST MOUNTED SIGN

DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 M.P.H. OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

5/23/00
DATE

/S/ Chester J. [illegible]
CHIEF SIGNS AND MARKING ENGINEER

FHWA

6

S.D.D. 15 C 5-1

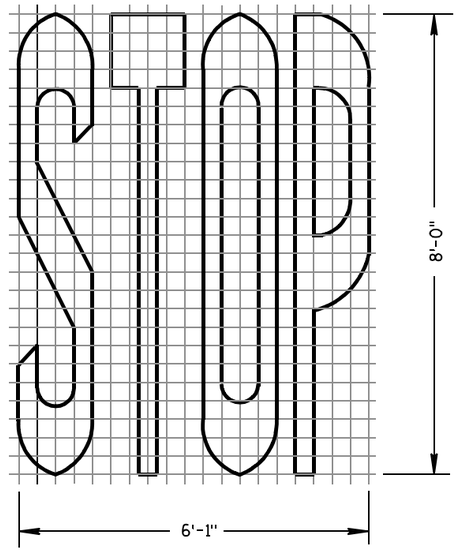
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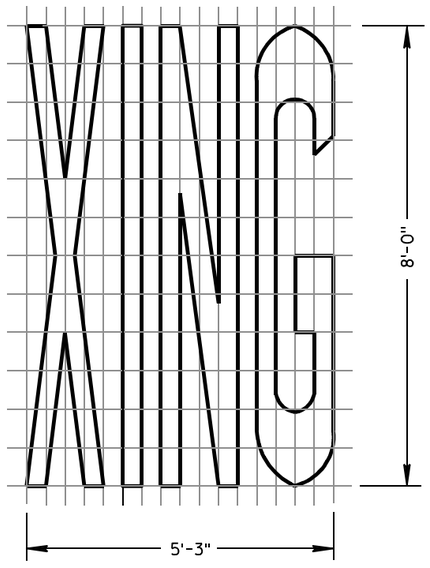
S.D.D. 15 C 5-1

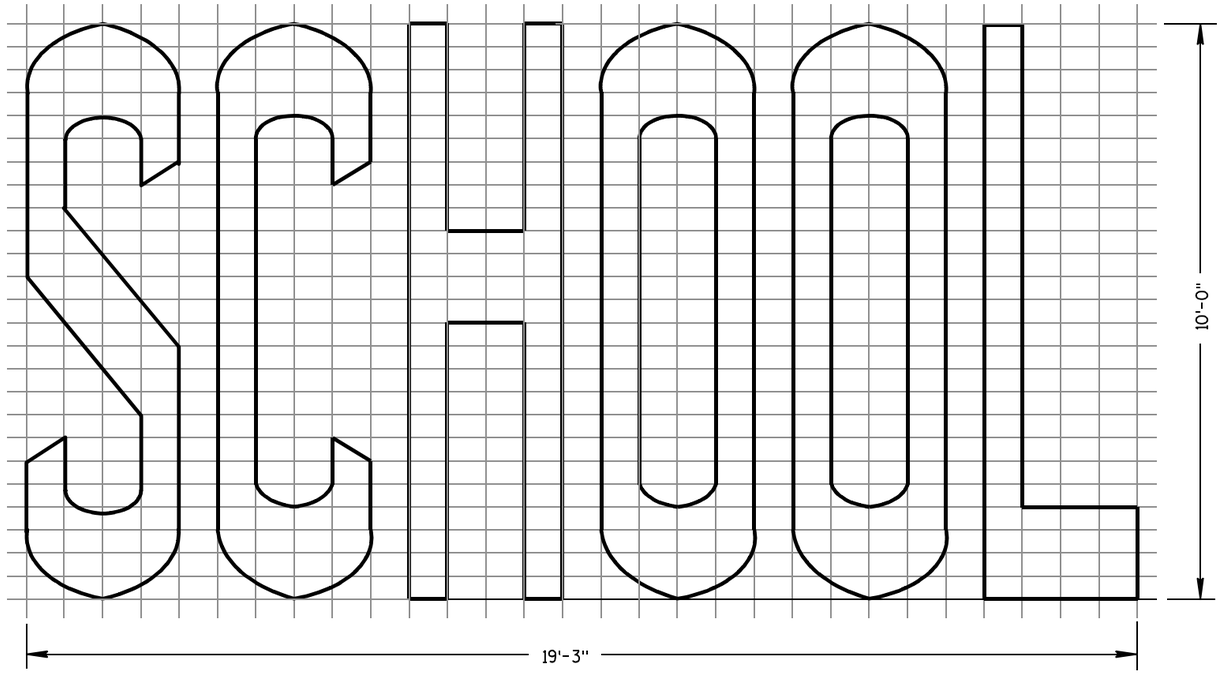
GENERAL NOTES

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.

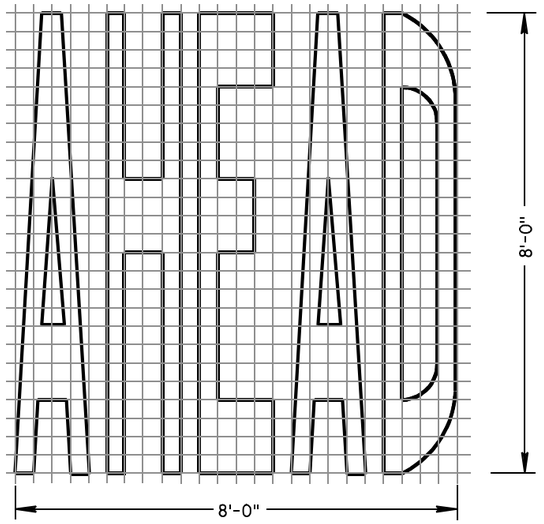
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.

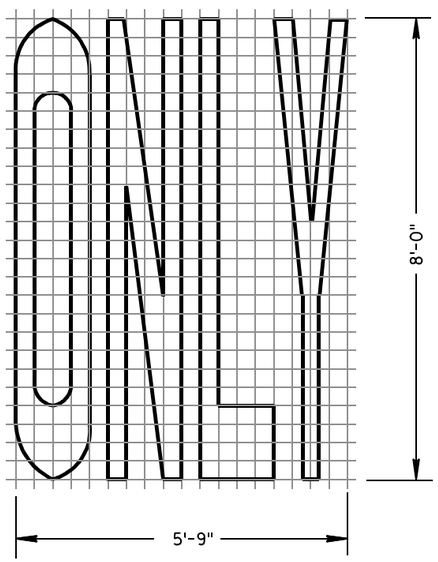


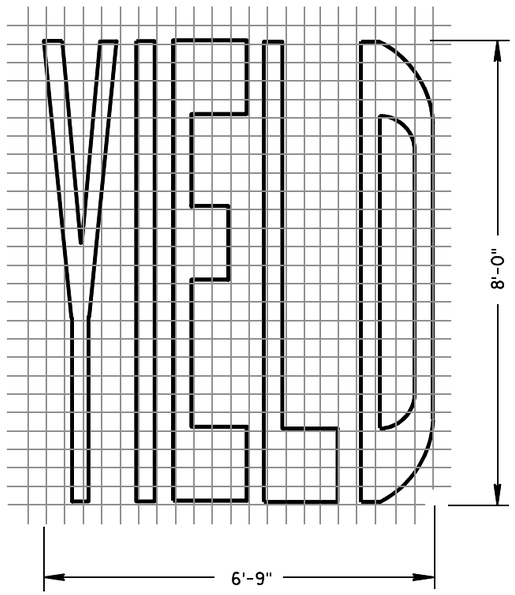


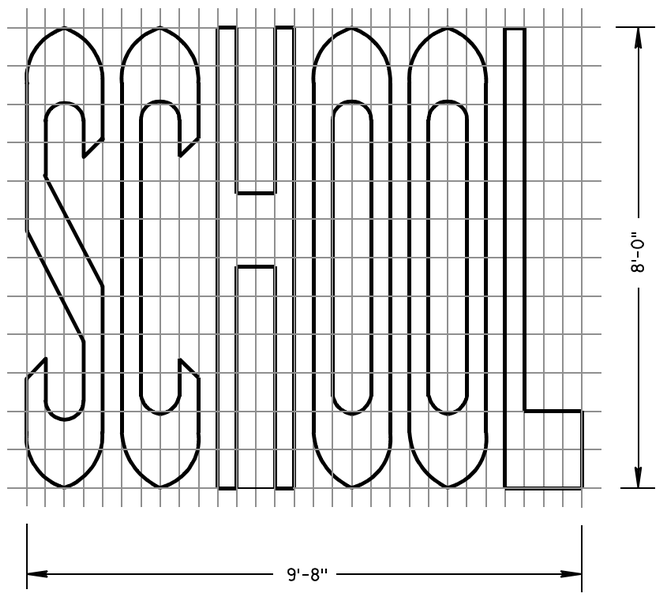


TWO-LANE









SINGLE-LANE

PAVEMENT MARKING WORDS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7-1-11 DATE — /S/ Thomas N. Nothohm STATE TRAFFIC ENGINEER

FHWA

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S.D.D. 15 C 7-12b

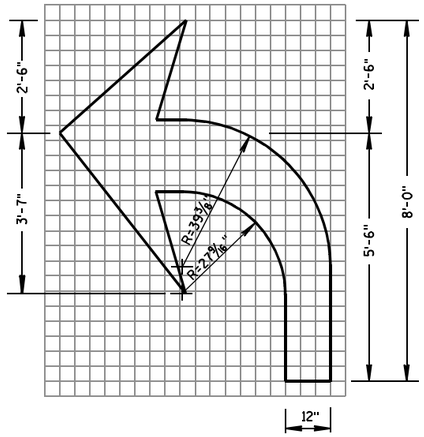
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S.D.D. 15 C 7-12b

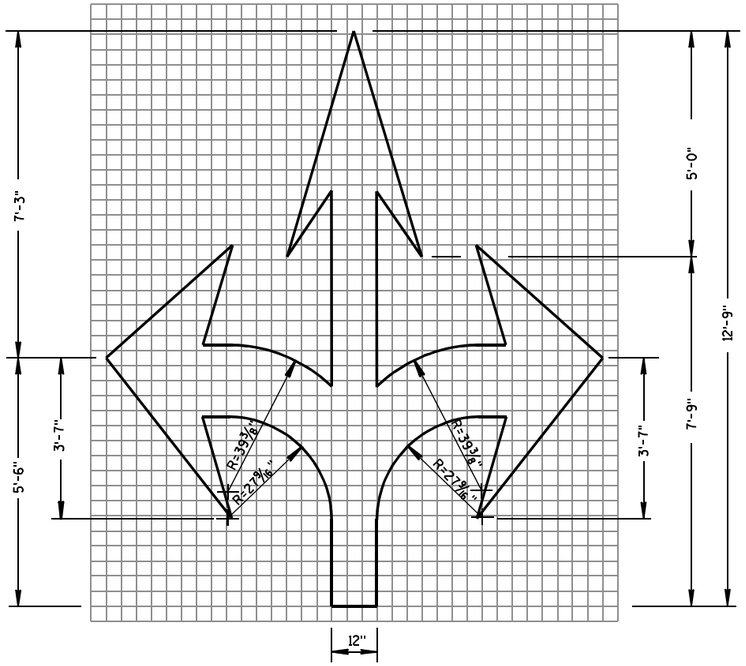
GENERAL NOTES

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.

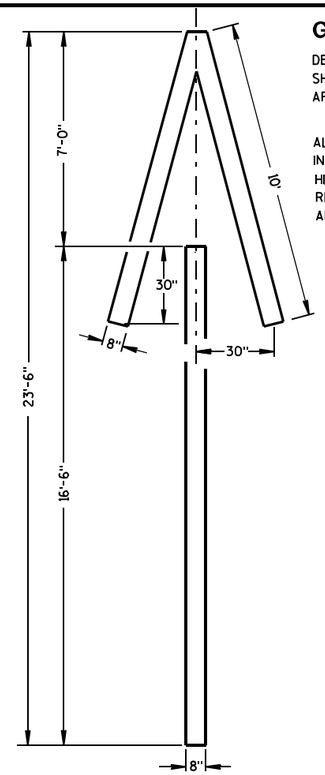
ALL LETTERS, ARROWS AND SYMBOLS SHALL BE IN CONFORMANCE WITH REQUIREMENTS INCLUDED IN "STANDARD ALPHABETS FOR HIGHWAY SIGNS AND PAVEMENT MARKING" BOOK BY THE FEDERAL HIGHWAY ADMINISTRATION. ALL LETTERS, ARROWS AND SYMBOLS SHALL BE WHITE AND REFLECTORIZED. SMALL DIFFERENCES IN DIMENSIONS WITHIN THE TOLERANCES OF THAT BOOK ARE ACCEPTABLE.



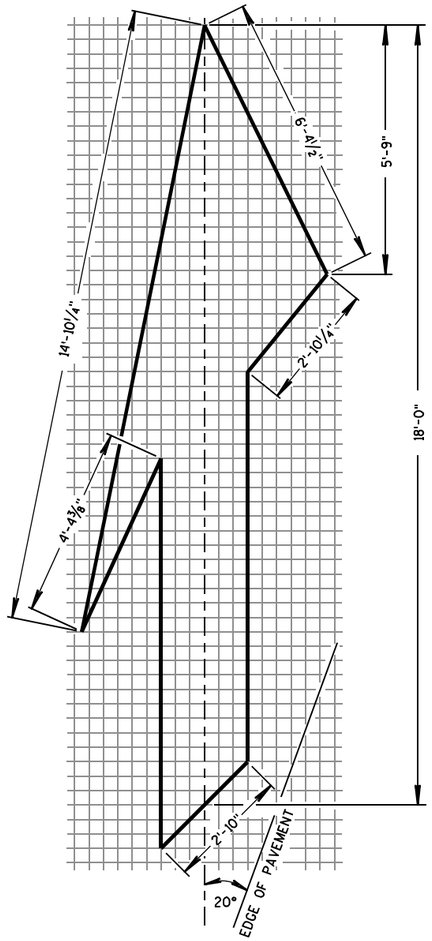
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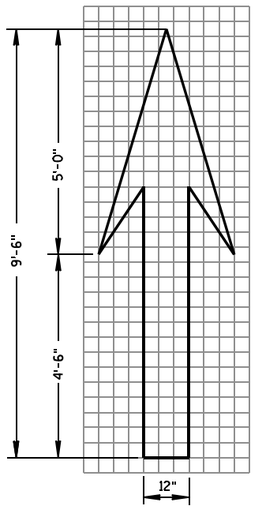
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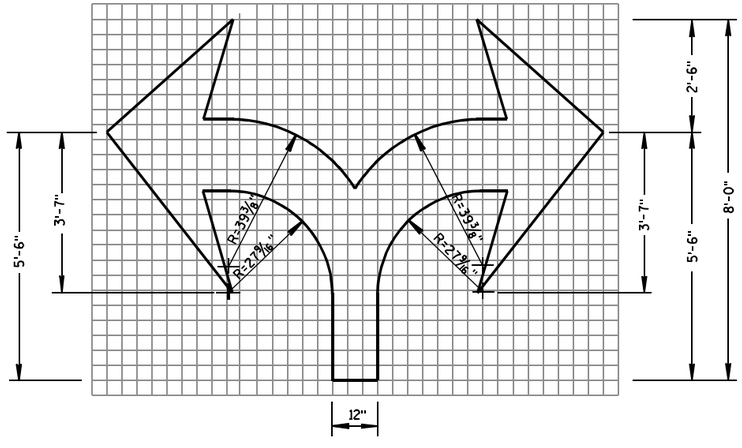
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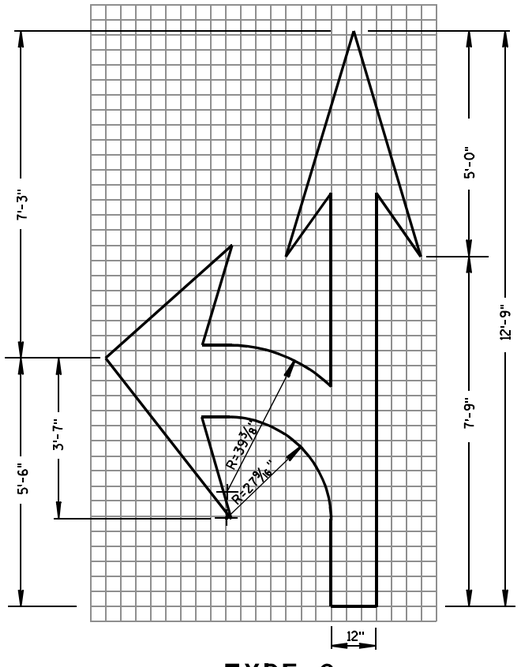
TYPE 5 LANE DROP ARROW



TYPE 1



TYPE 7



TYPE 3

PAVEMENT MARKING ARROWS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

7/1/11 — DATE

/S/ Thomas N. Nothdurft — STATE TRAFFIC ENGINEER

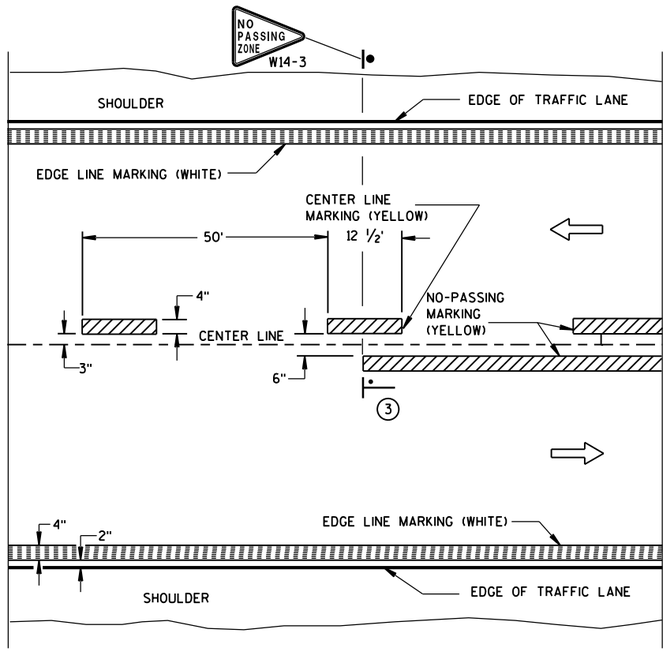
FHWA

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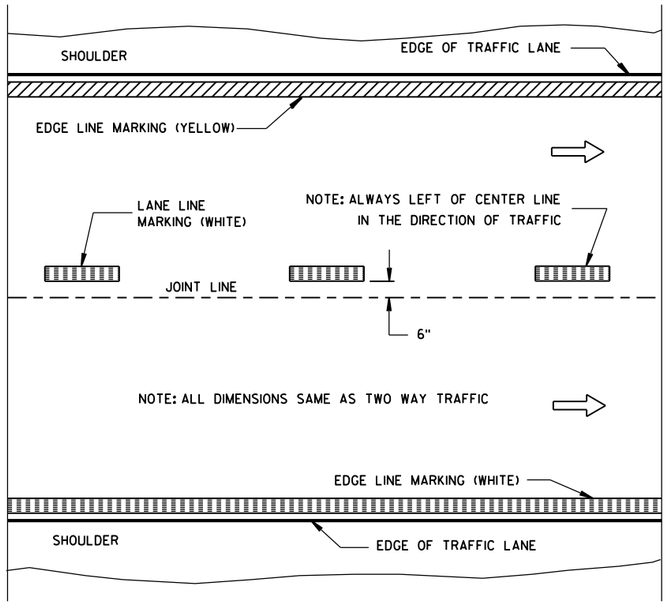
S.D.D. 15 C 7-12c

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S.D.D. 15 C 7-12c

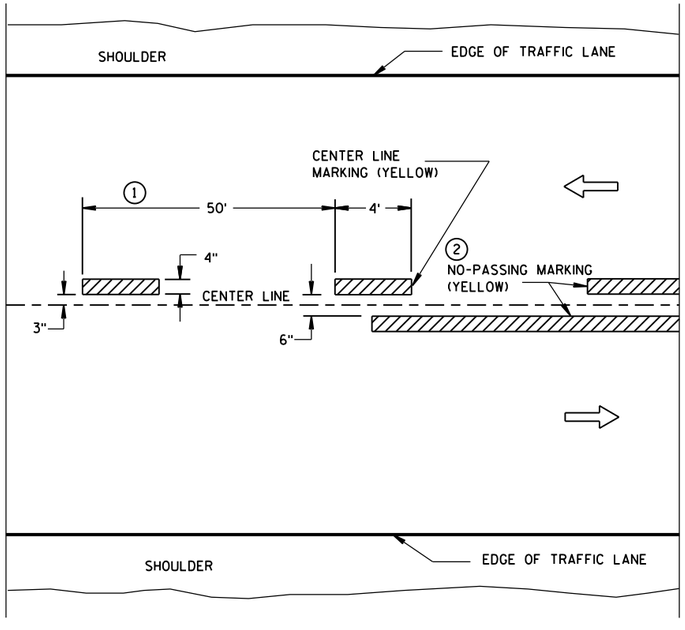


TWO WAY TRAFFIC

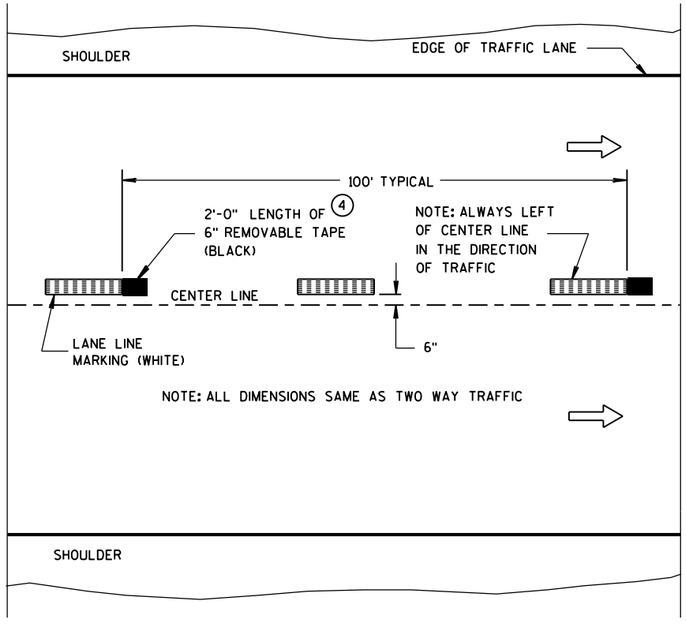


ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING



TWO WAY TRAFFIC



ONE WAY TRAFFIC

TEMPORARY (INTERMEDIATE) PAVEMENT MARKING

(SHOWS CYCLE FOR TEMPORARY CENTER LINE OR TEMPORARY LANE LINE MARKING)

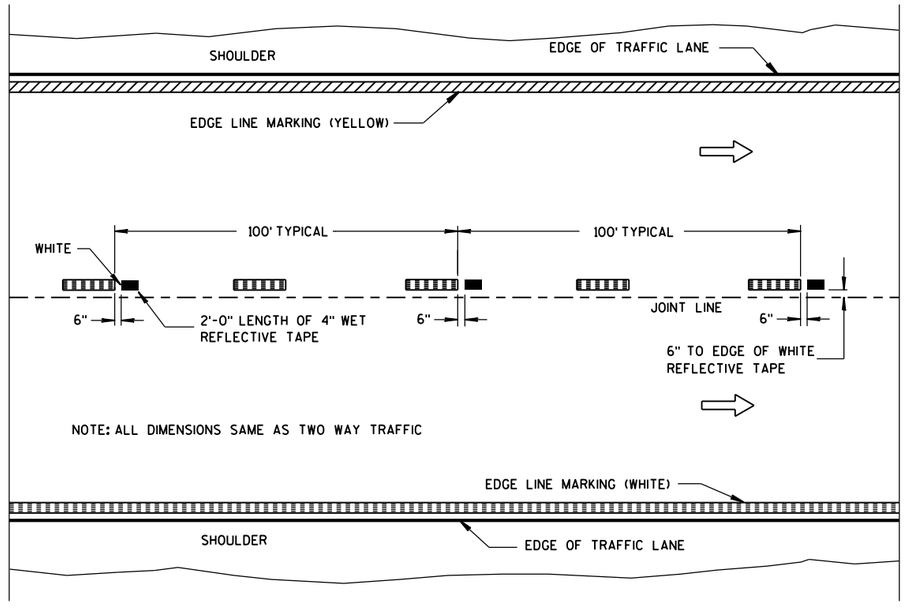
GENERAL NOTES

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

1. HALF CYCLE LENGTHS (25'±) WITH 2' MINIMUM STRIPE LENGTHS SHALL BE PROVIDED ON ROADWAYS (INCLUDING TEMPORARY TRAVELED WAYS) WITH REVERSE CURVATURE, CURVATURE OF OVER 5 DEGREES OR WHEN DIRECTED BY THE ENGINEER TO MARK UNUSUAL ALIGNMENT OF THE TRAVELED WAY.
2. NO PASSING ZONE TEMPORARY PAVEMENT MARKING IS REQUIRED TO BE PLACED, WHERE APPROPRIATE, ALONG WITH CENTERLINE TEMPORARY PAVEMENT MARKING WHEN A SAME DAY PERMANENT PAVEMENT MARKING ITEM IS INCLUDED IN THE CONTRACT.
3. NO PASSING ZONE MARKINGS ARE PLACED ACCORDING TO "T" MARKINGS. IF EXISTING NO PASSING ZONE W14-3 SIGNS ARE BEYOND 50 FEET IN EITHER DIRECTION, THE SIGNS SHALL BE MOVED TO THE "T" MARKINGS.
4. CONCRETE ONLY.

NOTE

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL



WET REFLECTIVE TAPE SUPPLEMENT TO
SPRAYED OR NON WET REFLECTIVE TAPE LANE LINE

LEGEND

"T" MARKING

POST MOUNTED SIGN

PAVEMENT MARKING (MAINLINE)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

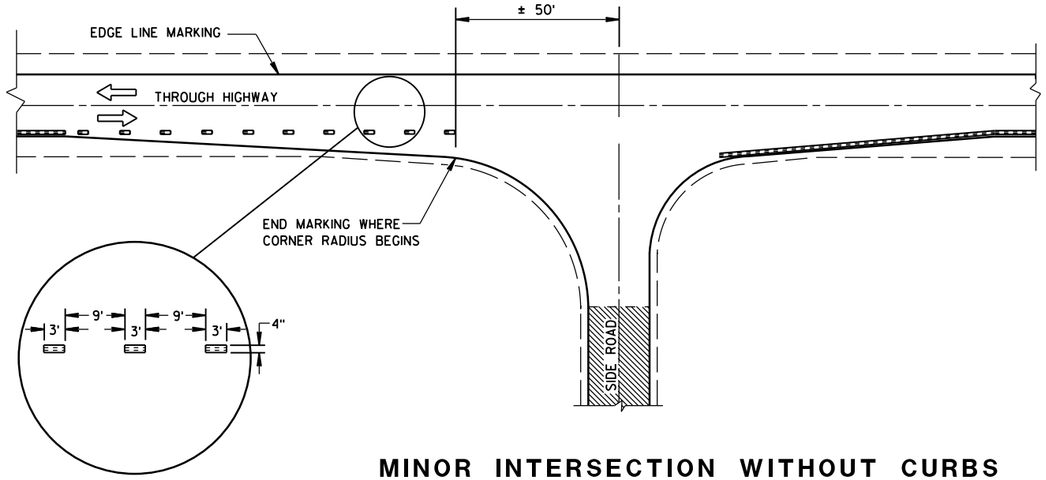
APPROVED
5-13-2013 DATE
/S/ Travis Feltes STATE TRAFFIC E
FHWA

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S.D.D. 15 C 8-16a

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S.D.D. 15 C 8-16a



MINOR INTERSECTION WITHOUT CURBS

GENERAL NOTES

EDGE LINES SHALL BE OMITTED THROUGH INTERSECTIONS. EDGE LINES SHALL BE CONTINUED 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) ALTERNATIVE MARKING SHALL BE PROVIDED WHEN SPECIFIED IN THE CONTRACT. TYPICAL SITUATIONS WHERE THIS MARKING MAY BE REQUIRED ARE WHERE THE INTERSECTION IS ON A SHARP HORIZONTAL CURVE OR CREST VERTICAL CURVE IN AN UNLIGHTED AREA SUCH THAT THE EDGE LINE MAY BE MISLEADING TO THE MOTORIST OR DISAPPEAR FROM SIGHT.

(4) THE EDGE LINE IN THE TAPER AREAS OF THE BYPASS LANE AND THE BYPASS LANE SHALL BE LOCATED 1-FOOT FROM EDGE OF PAVEMENT TO THE OUTSIDE EDGE OF EDGE LINE.

(5) BARRIER LINE ENDS AT SIDE ROAD PAVEMENT/SURFACE EDGE EXTENSION.

(6) BARRIER LINE STARTS 500 FEET PRIOR TO THE BYPASS TAPER.

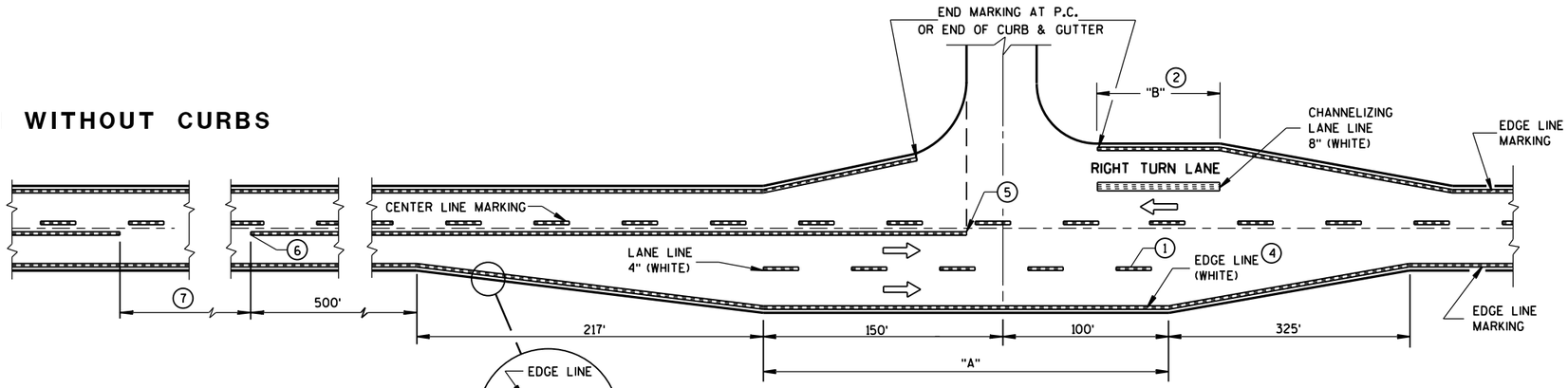
(7) IF THE DISTANCE BETWEEN 2 SUCCESSIVE NO-PASSING ZONES IS LESS THAN THE MINIMUM DISTANCE BETWEEN ZONES, CONNECT THE 2 ZONES.

(8) 3' LINE 9' GAP, EXCEPT RETRACE THE EXISTING LINE - GAP PATTERN WHERE EXISTING MARKINGS ARE IN PLACE.

ARROW SYMBOL (⇨) SHOWS DIRECTION OF TRAVEL

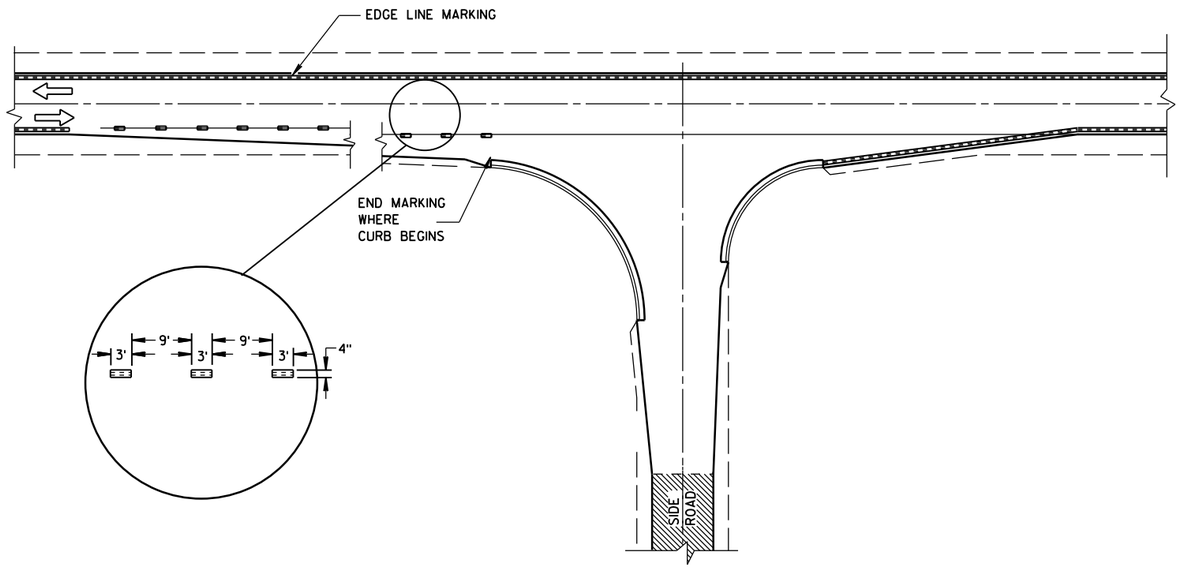
(7)

POSTED SPEED (MPH)	MINIMUM DISTANCE BETWEEN ZONES (FEET)
25 - 30	528
35 - 40	528
45 - 50	686
55	792



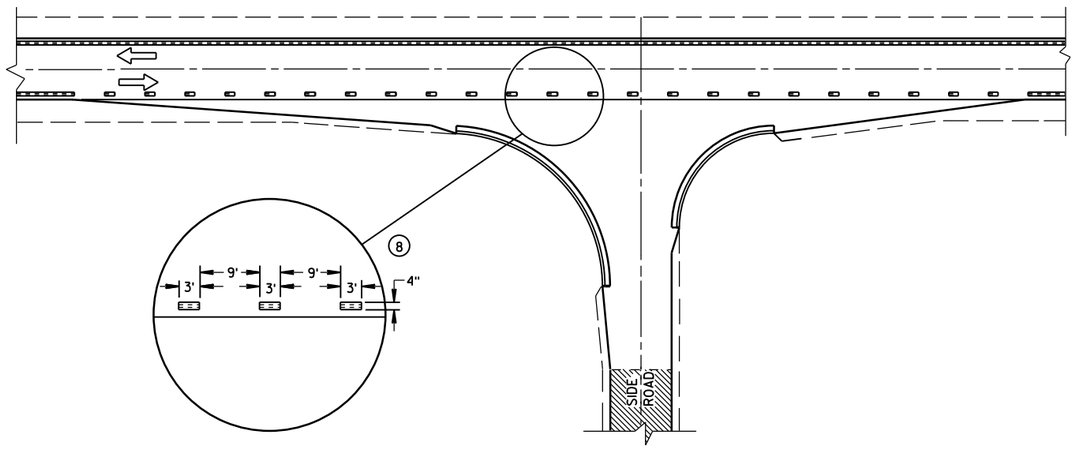
MAJOR INTERSECTIONS

(INTERSECTION WITH FULL RIGHT TURN LANE OR BYPASS LANES)



MINOR INTERSECTION WITH CURBS

(TYPICAL MARKING)



MINOR INTERSECTION WITH CURBS

(3) (FOR SPECIAL CONDITIONS AS SPECIFIED)

PAVEMENT MARKING
(INTERSECTIONS)

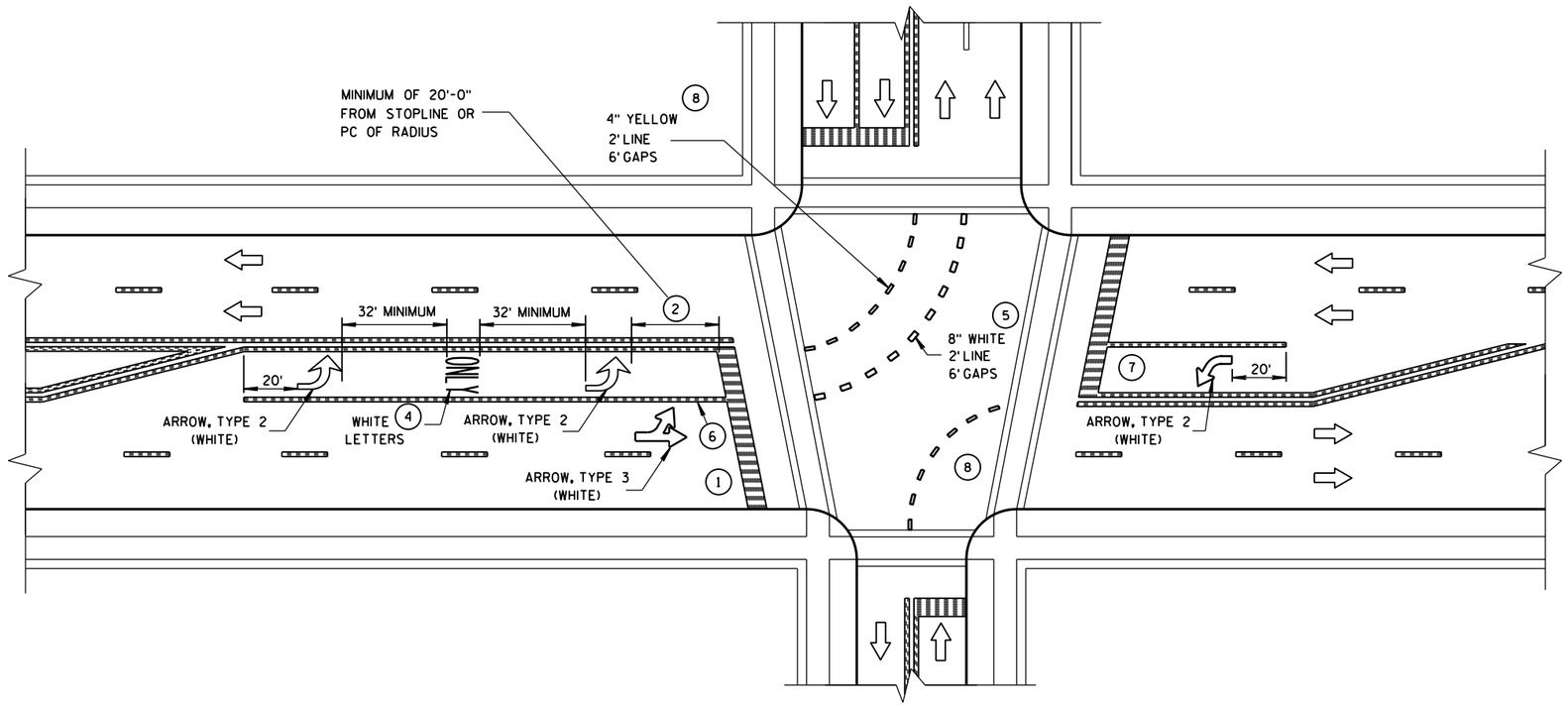
STATE OF WISCONSIN
DEPARTMENT OF TRANSPOR

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S.D.D. 15 C 8-16b

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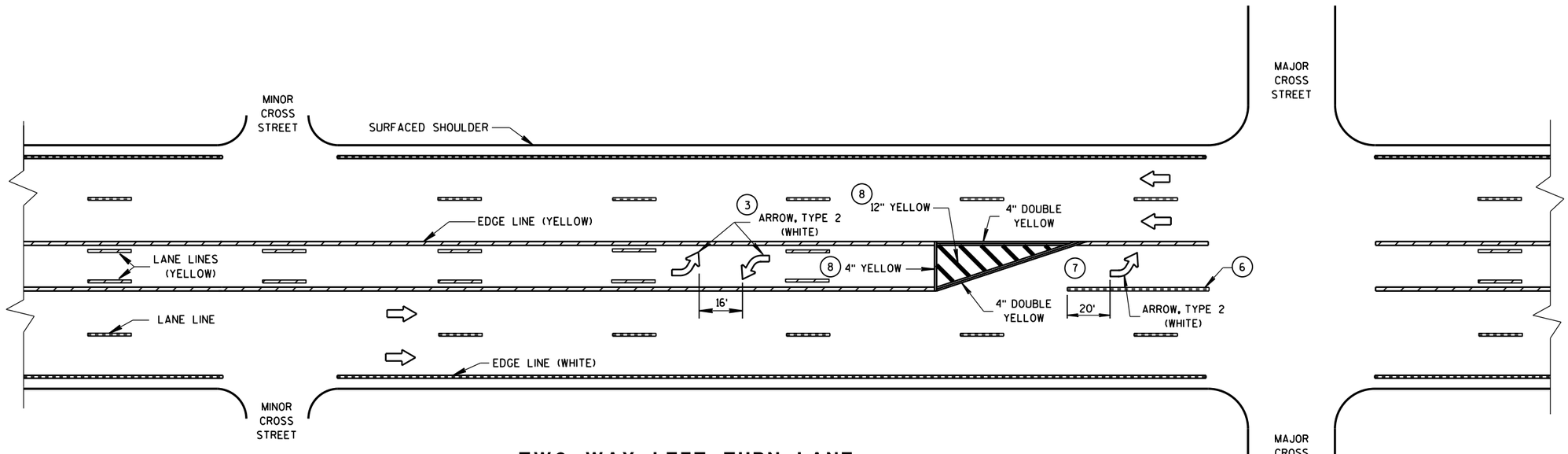
S.D.D. 15 C 8-16b



GENERAL NOTES

1. STOP BAR IS REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.
2. DISTANCE MAY BE ADJUSTED TO ACCOMODATE SHORT LEFT TURN LANES. AS APPROVED BY THE ENGINEER.
3. A SET OF ARROWS IS REQUIRED EVERY 400 FEET OR NEAR INTERSECTIONS OR DRIVEWAYS WITH TURNING TRAFFIC.
4. ADD EXTRA SETS OF ONE ARROW AND ONE ONLY PER 160 FEET OR WHEN ON A CURVE.
5. 8" WHITE WITH 2' LINE 6' GAPS FOR DUAL TURN LANE.
6. 8" WHITE
7. ADD SECOND ARROW WHEN TURN BAY IS GREATER THAN OR EQUAL TO 108 FEET.
8. REQUIRED ONLY WHEN SPECIFIED IN THE CONTRACT.

NOTE:
ARROW SYMBOL (⇨)
SHOWS DIRECTION OF TRAVEL



TWO WAY LEFT TURN LANE

PAVEMENT MARKING (LEFT TURN LANE)

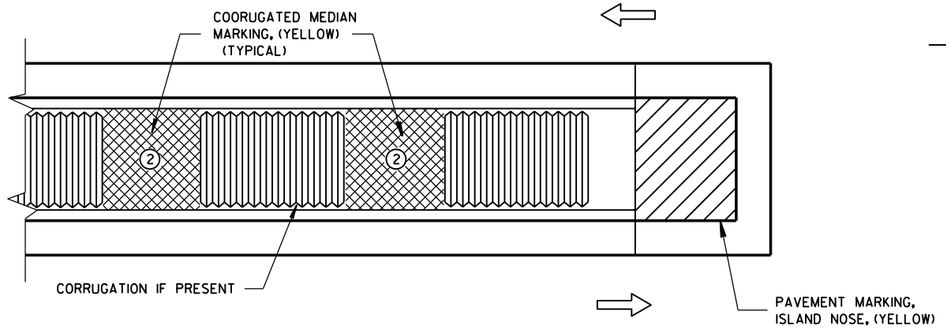
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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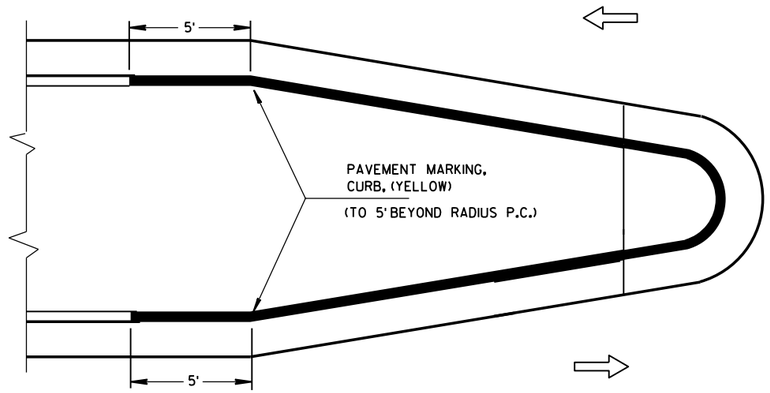
S.D.D. 15 C 8-16e

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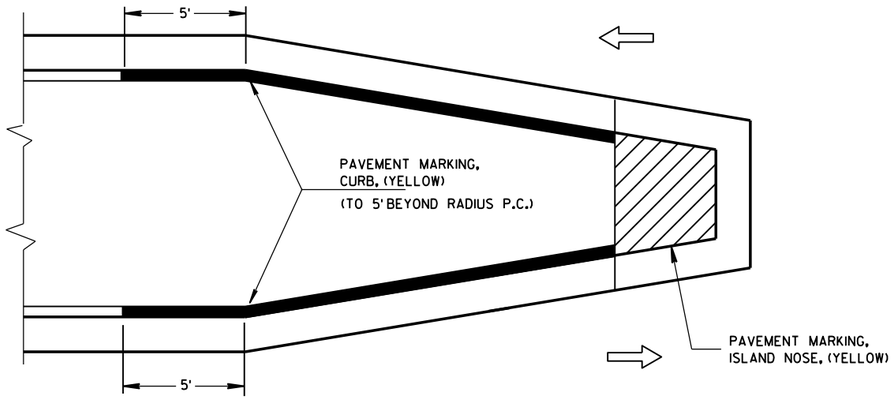
S.D.D. 15 C 8-16e



MEDIAN ISLAND WITH SQUARE BLUNT NOSE

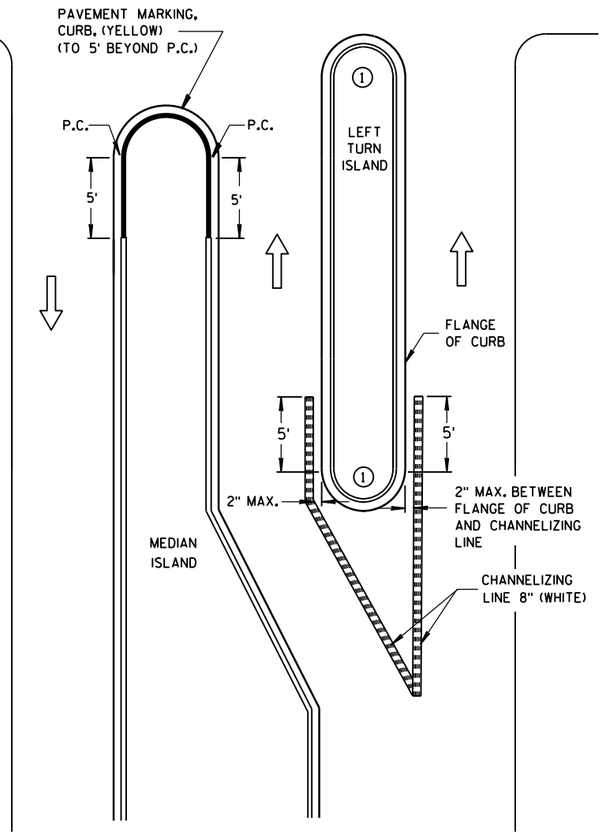


MEDIAN ISLAND WITH ROUND BLUNT NOSE



MEDIAN ISLAND WITH SLOPED NOSE

TYPICAL PLACEMENT OF PAVEMENT MARKING ON MEDIAN ISLANDS

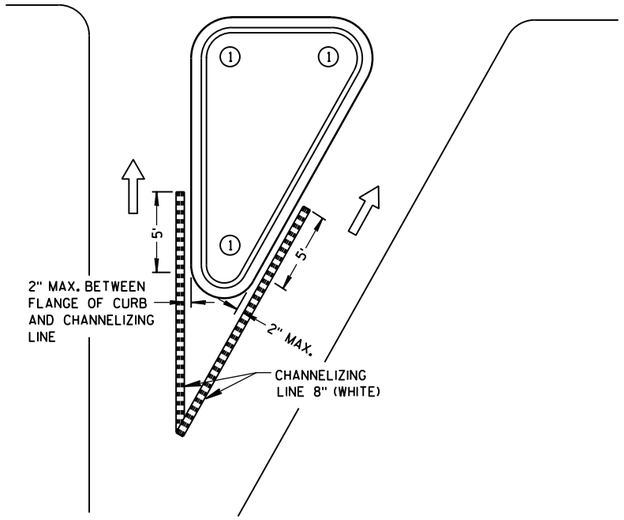


LEFT TURN & MEDIAN ISLAND

GENERAL NOTES

1. DO NOT MARK CURB NOSES THAT SEPARATE LANES OF TRAFFIC TRAVELING IN THE SAME DIRECTION.

2. 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.



RIGHT TURN ISLAND

LEGEND

- ISLAND NOSE MARKING
- CURB MARKING
- CORRUGATED MEDIAN MARKING
- DIRECTION OF TRAVEL

PAVEMENT MARKING
(ISLANDS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPOI

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S.D.D. 15 C 8-16f

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S.D.D. 15 C 8-16f

TWO-LANE ROADWAY

SYMBOLS

WORK AREA

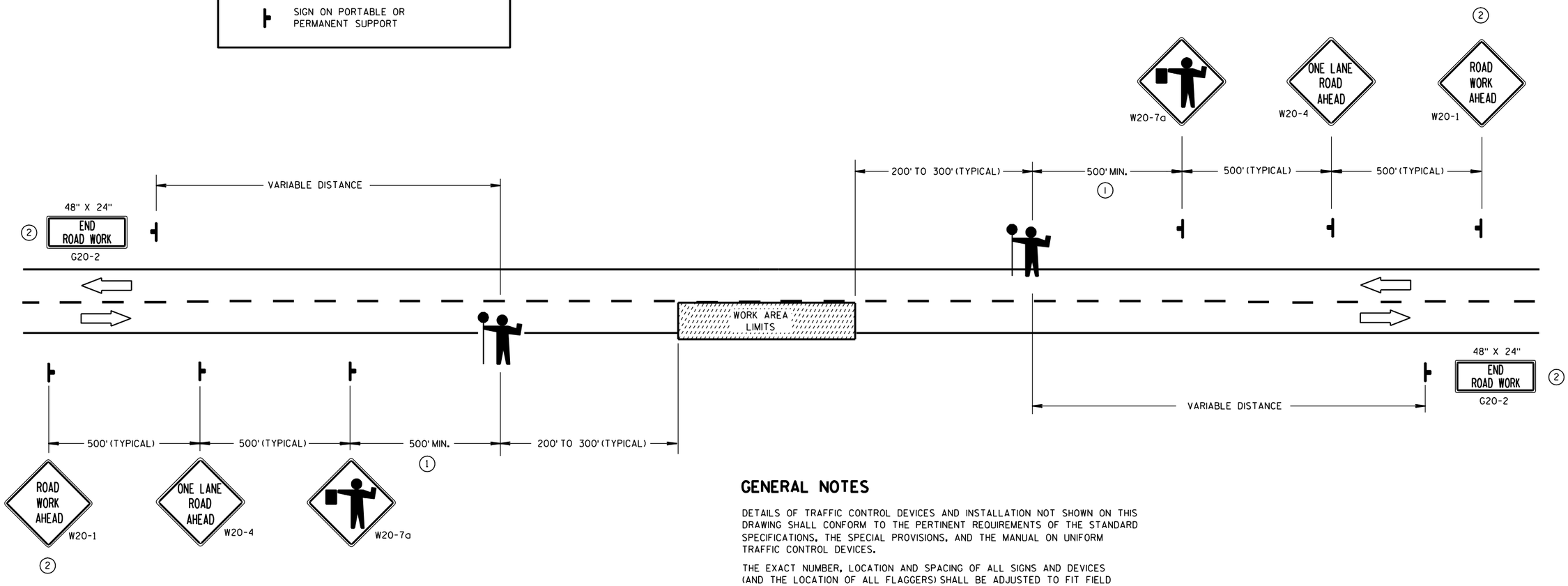
FLAGGER, EQUIPPED WITH STOP/SLOW PADDLE FASTENED ON SUPPORT STAFF

SIGN ON PORTABLE OR PERMANENT SUPPORT



W3-4

USE OF THE "BE PREPARED TO STOP" SIGN IS OPTIONAL. WHEN USED, THIS SIGN SHALL BE LOCATED BETWEEN THE W20-7a AND W20-4 SIGNS. A 500' TYPICAL SPACING SHALL BE PROVIDED BETWEEN THE SIGNS.



(1) FOR A MOVING WORK OPERATION,
SIGNING FOR BOTH DIRECTIONS SHALL BE REESTABLISHED (AS SIMULTANEOUSLY AS PRACTICAL) AT APPROXIMATELY 3500 FOOT INTERVALS IN THE MOVING WORK OPERATION OR AS APPROVED BY THE ENGINEER.

(2) SIGN NOT REQUIRED IF FLAGGING OPERATION OCCURS WITHIN A SIGNED ROAD WORK ZONE AREA.

GENERAL NOTES

DETAILS OF TRAFFIC CONTROL DEVICES AND INSTALLATION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES (AND THE LOCATION OF ALL FLAGGERS) SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

THE FIRST ADVANCE WARNING SIGN SHOULD TYPICALLY BE LOCATED IN ADVANCE OF THE ANTICIPATED TRAFFIC BACKUP OR QUEUE.

WHEN A SIDE ROAD OR RAMP INTERSECTS THE FACILITY ON WHICH THE WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC CONTROLS SHALL BE PROVIDED AS SPECIFIED IN THE PLANS AND/OR THE SPECIAL PROVISIONS OR AS APPROVED BY THE ENGINEER.

FLAGGERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES. THEY SHALL BE EQUIPPED WITH STOP/SLOW PADDLES FASTENED ON SUPPORT STAFFS. WHEN THE FLAGGING OPERATION IS NOT IN EFFECT, THE "FLAGGER AHEAD", THE "ROAD WORK AHEAD" AND THE ONE LANE ROAD AHEAD" SIGNS SHALL BE COVERED OR REMOVED AND THE HIGHWAY RESTORED TO NORMAL OPERATION.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.

TRAFFIC CONTROL FOR LANE CLOSURE (SUITABLE FOR MOVING OPERATIONS)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

9/5/06 — DATE

/S/ Thomas N. Nathaam — STATE TRAFFIC ENGINEER

FHWA

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S.D.D. 15 C 12-3

GENERAL NOTES

ORIENT ANCHOR BOLTS IN FOOTING AND PROVIDE ANCHOR BOLT STICK OUT ABOVE TOP OF CONCRETE FOOTING BASE PER FABRICATION DRAWING.

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

USE 3" CLEAR FOR ALL REINFORCEMENT UNLESS NOTED OTHERWISE.

SIGN SUPPORTS SHALL BE LOCATED NORMAL TO ROADWAY.

THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO.

WELDING OF ANCHOR BOLTS TO THE CAGE IS UNACCEPTABLE. TEMPLATES SHALL BE USED.

BAR CAGE TO BE ASSEMBLED USING TIE WIRES ONLY, NO WELDING.

BASES (SHAFT) SHALL BE EXCAVATED BY THE USE OF A CIRCULAR AUGER. IF A BASE REQUIRES A DEEP FORM BECAUSE OF LOOSE SOIL, THE FORM SHALL BE REMOVED BEFORE BACK FILLING AROUND THE BASE. ANY REQUIRED BACKFILL SHALL BE WELL COMPACTED IN LAYERS OF 1 FOOT OR LESS. COMPACTION SHALL BE BY MECHANICAL MEANS. CARE SHALL BE TAKEN SO NO DAMAGE OCCURS TO THE CONCRETE BASE DURING COMPACTION.

EXCAVATION OF MATERIALS NOT OCCUPIED BY CONCRETE SHALL BE MINIMIZED TO REDUCE DISTURBANCE OF THE SURROUNDING SOILS.

THE BOTTOM OF THE DRILLED HOLE SHALL BE FIRM AND THOROUGHLY CLEANED SO NO LOOSE OR COMPRESSIBLE MATERIALS ARE PRESENT AT THE TIME OF THE CONCRETE PLACEMENT.

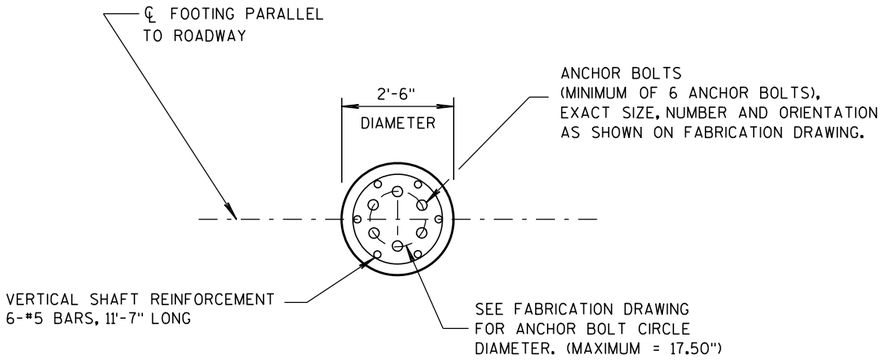
IF THE DRILLED HOLE CONTAINS STANDING WATER, THE CONCRETE SHALL BE PLACED USING A TREMIE TO DISPLACE THE WATER.

THE REINFORCEMENT AND ANCHOR BOLTS SHALL BE ADEQUATELY SUPPORTED IN THE PROPER POSITIONS SO NO MOVEMENT OCCURS DURING CONCRETE PLACEMENT.

ANY DAMAGE TO THE CONCRETE BASE DURING CONSTRUCTION OPERATIONS SHALL BE REPAIRED AT THE ENGINEER'S DIRECTION, AT THE EXPENSE OF THE CONTRACTOR.

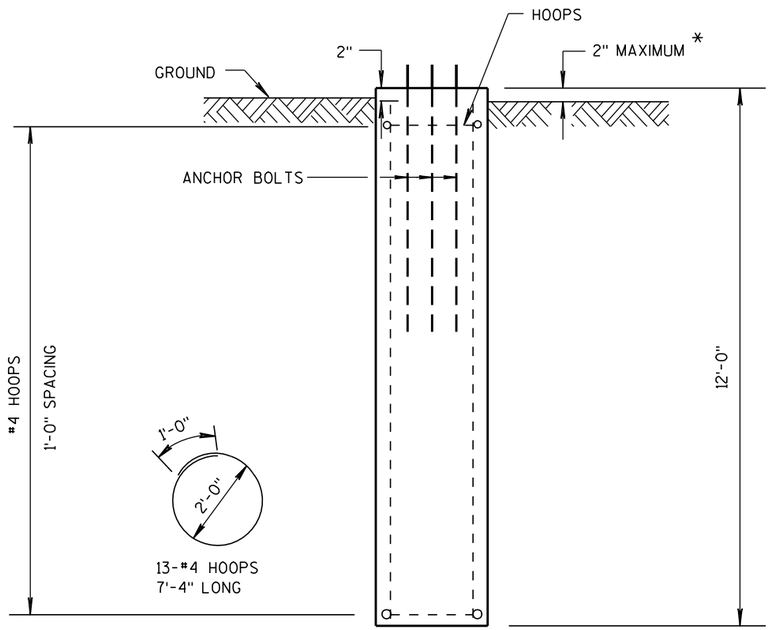
CONCRETE MASONRY	fc=3,500 p.s.i.
HIGH STRENGTH BAR STEEL REINFORCEMENT, GRADE 60	fy=60,000 p.s.i.
ANCHOR BOLTS	AASHTO M314 GRADE 55

THIS FOOTING HAS BEEN DESIGNED FOR SITES WHERE SOILS EXHIBIT A PHI-ANGLE GREATER THAN OR EQUAL TO 20 DEGREES (GRANULAR SOILS), OR A COHESION VALUE GREATER THAN OR EQUAL TO 350 PSF (COHESIVE SOILS).



PLAN VIEW

* FOR OVERHEAD SIGN SUPPORTS THAT ARE INSTALLED ADJACENT TO SIDEWALKS, THE TOP OF THE BASE SHALL BE POURED FLUSH WITH THE GROUND.



ELEVATION VIEW

CONCRETE - 2.2 C.Y. PER FOOTING
H.S. REINFORCEMENT - 136 LBS. PER FOOTING

30" DIAMETER CANTILEVER OVERHEAD SIGN SUPPORT BASE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

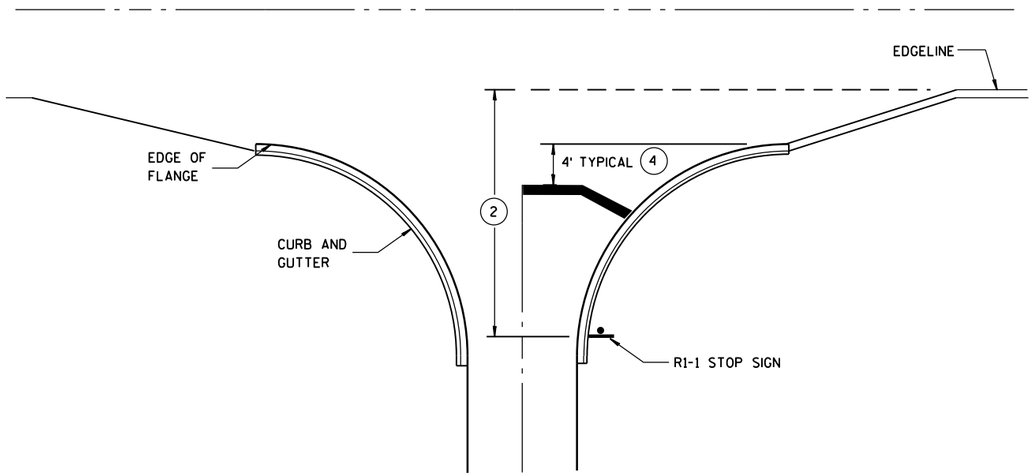
APPROVED
4/17/2009 DATE
/S/ Thomas N. N[illegible] STATE TRAFFIC ENGINEER
FHWA

6

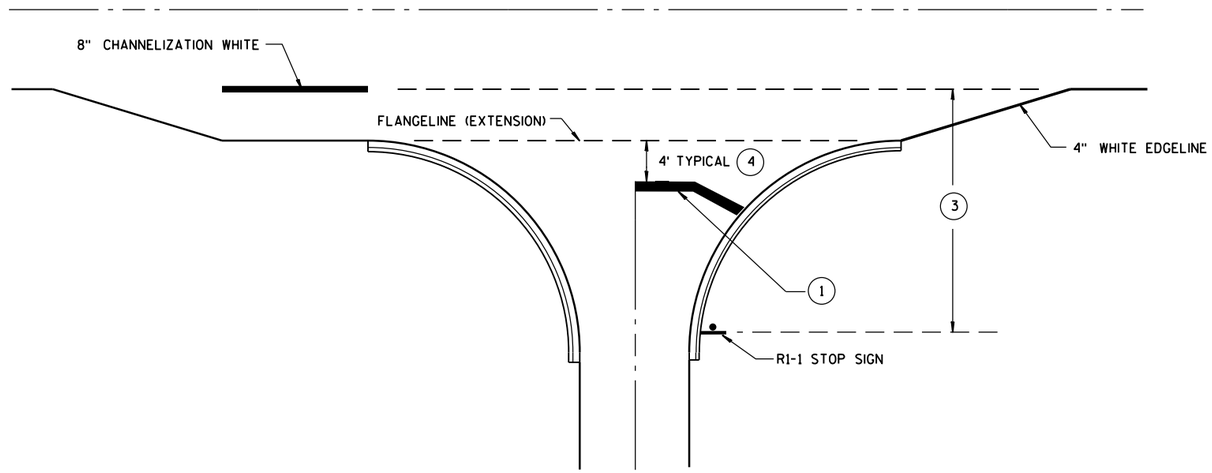
S.D.D. 15 C 23-2

6

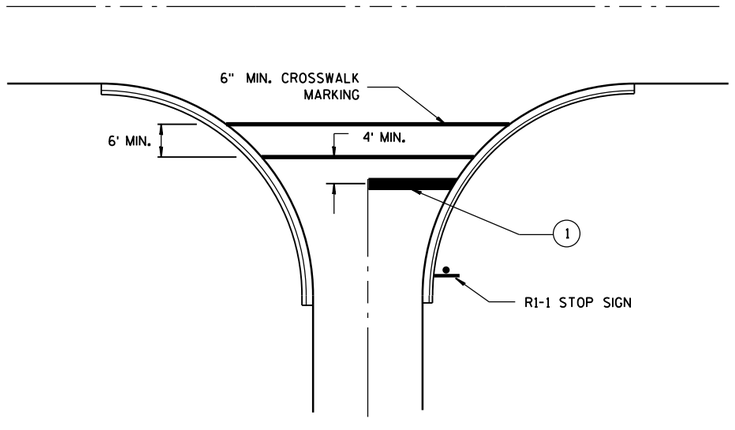
S.D.D. 15 C 23-2



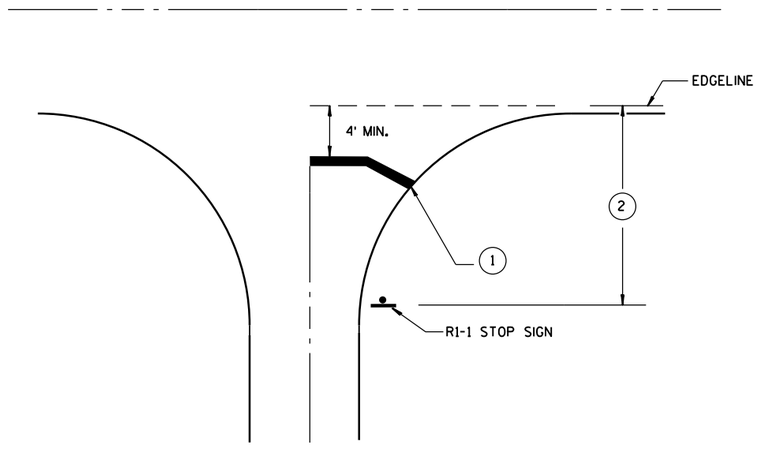
TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER



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

1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE PROJECT ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE THAN NO STOP LINE IS REQUIRED.
3. IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION THAN NO STOP LINE IS REQUIRED.
4. MOVE CLOSER TO EDGE OF TRAVEL LANE AS NEEDED FOR VISIBILITY AND SIGHT LINES.

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

4/30/2013
DATE

/S/ Travis Feltes
STATE TRAFFIC E

FHWA

6

S.D.D. 15 C 33-1

GENERAL NOTES

THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY DISTRICT TRAFFIC UNIT.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

W20-1 AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.

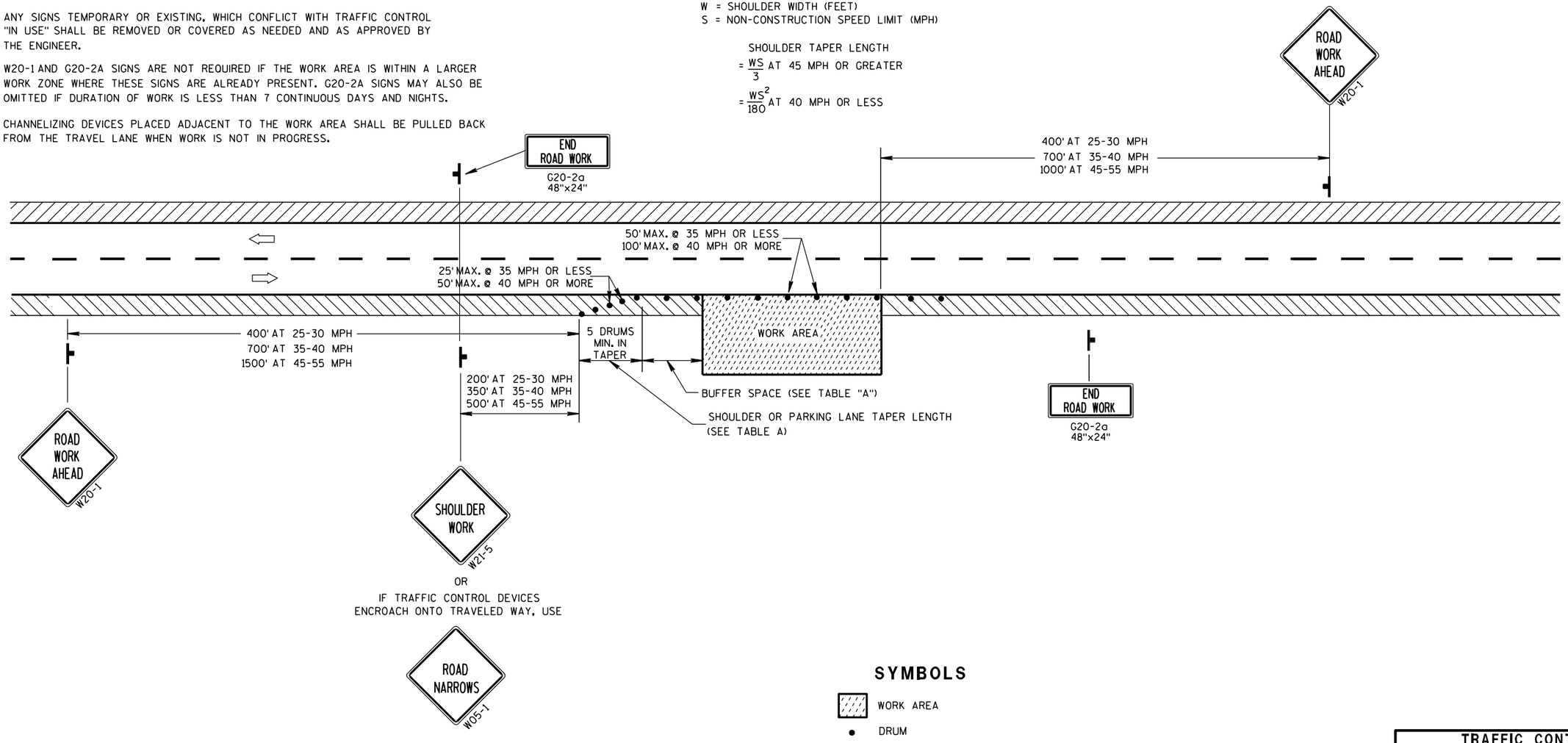
CHANNELIZING DEVICES PLACED ADJACENT TO THE WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

TABLE A

S \ W	SHOULDER TAPER LENGTH (FEET) 4	6	8	10	BUFFER SPACE (FEET)
30	20	30	40	50	85
35	30	45	55	70	120
40	40	55	75	90	170
45	60	90	120	150	220
50	70	100	135	170	280
55	75	110	150	185	335

W = SHOULDER WIDTH (FEET)
S = NON-CONSTRUCTION SPEED LIMIT (MPH)

SHOULDER TAPER LENGTH
$= \frac{WS}{3}$ AT 45 MPH OR GREATER
$= \frac{WS^2}{180}$ AT 40 MPH OR LESS



SYMBOLS

- WORK AREA
- DRUM
- POST MOUNTED SIGN
- DIRECTION OF TRAFFIC FLOW

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

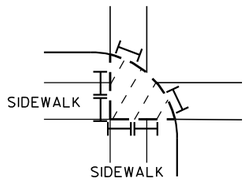
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

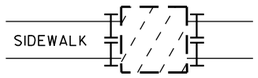
APPROVED
5/23/00 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] ENGINEER
FHWA

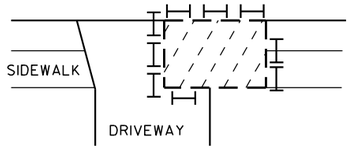
6

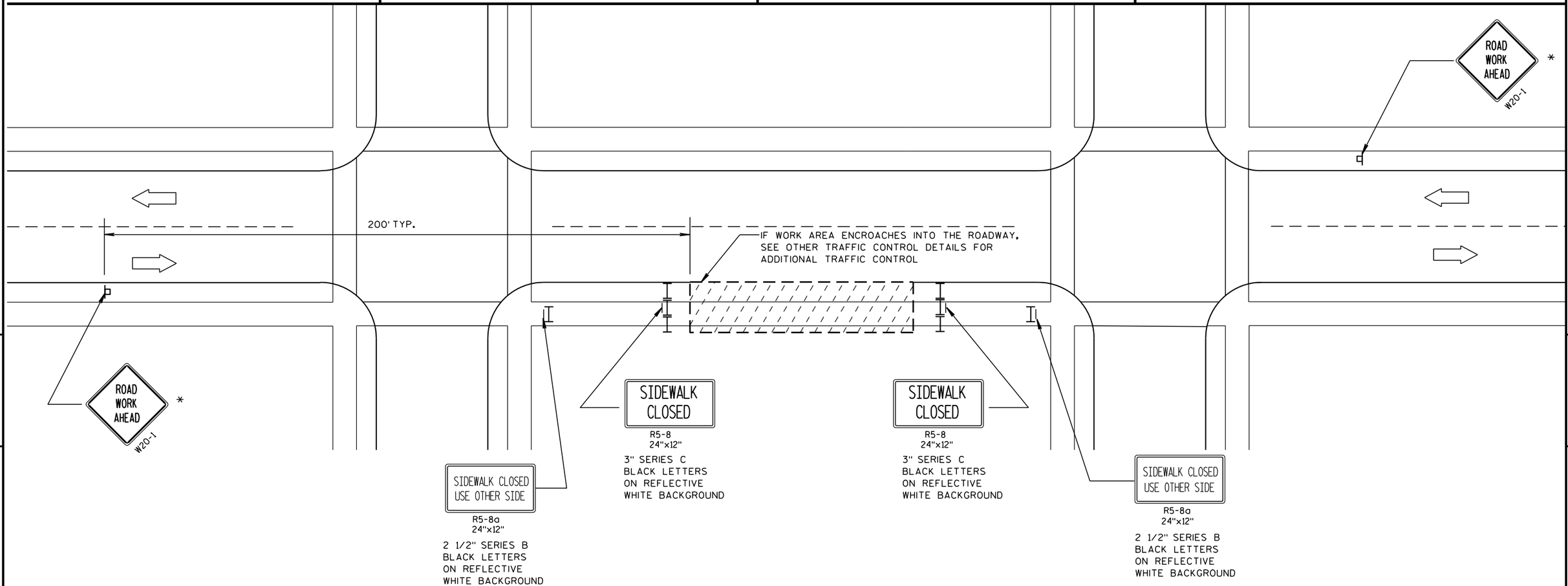
S.D.D. 15 D 28-1

WARNING OF LOCALIZED SIDEWALK WORK AREAS









LEGEND

- POST MOUNTED SIGN
- TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)
- WORK AREA
- DIRECTION OF TRAFFIC FLOW

GENERAL NOTES :

ALL SIGNS ARE 48"x48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"x36" SIGNS MAY BE USED INSTEAD OF 48"x48" SIGNS, IF APPROVED BY DISTRICT TRAFFIC UNIT.

THE EXACT LOCATION AND PLACEMENT OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

"WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

* "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.

WARNING SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

TRAFFIC CONTROL, SIDEWALK CLOSURE

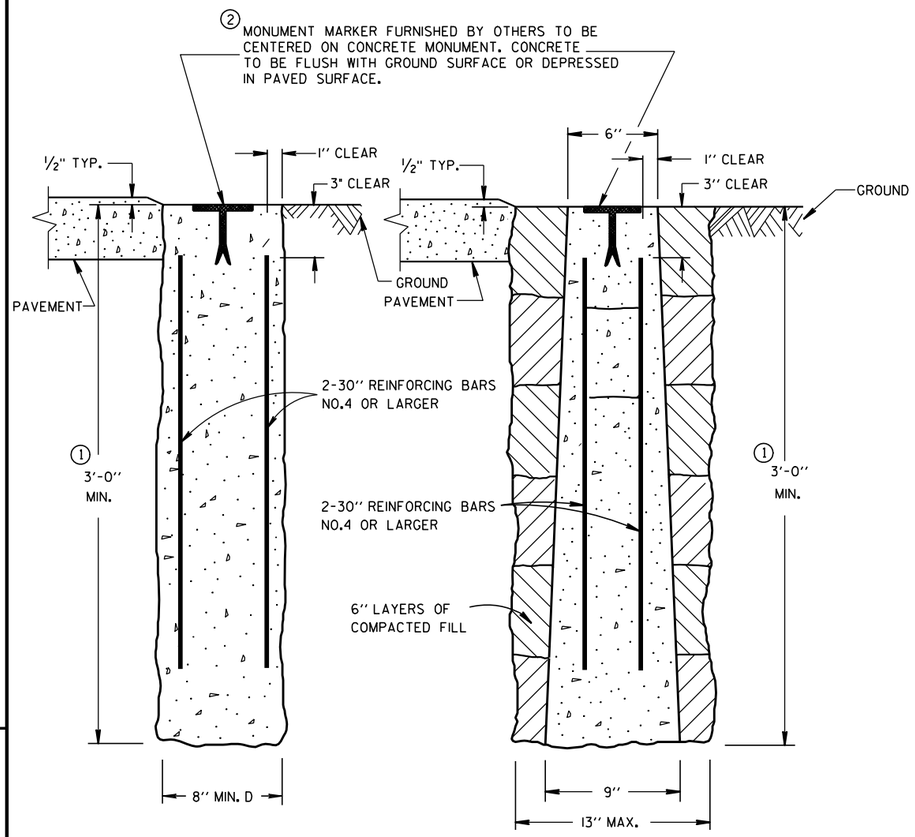
TRAFFIC CONTROL, SIDEWALK CLOSURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
5/23/2000 DATE
/S/ Chester J. [illegible]
CHIEF SIGNS AND MARK[illegible] ENGINEER
FHWA

6

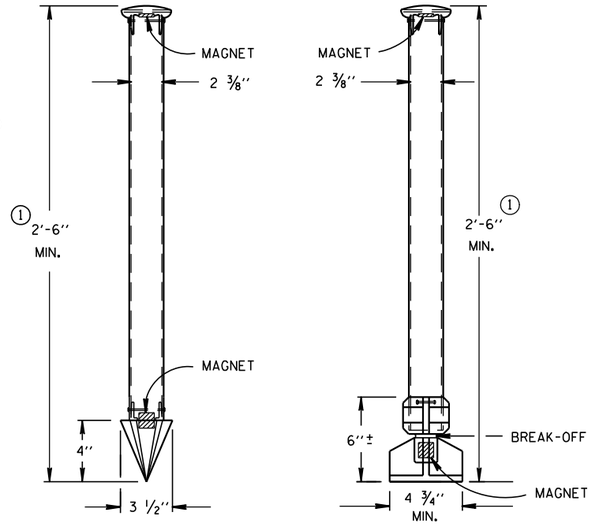
S.D.D. 15 D 30-1



CAST-IN-PLACE PRECAST

CONCRETE MONUMENTS

TYPE A



TYPE C DRIVE-IN MONUMENT

TYPE D BREAK-OFF MONUMENT

ALUMINUM MONUMENTS

(INCLUDES MARKER)

GENERAL NOTES

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

DETAILED DRAWINGS OF PROPOSED ALTERNATE DESIGNS FOR METAL MONUMENTS OR MONUMENT COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

INSTALLED METAL MONUMENTS MUST BE EASILY DETECTED WITH A DIP NEEDLE. INSERT PERMANENT MAGNETS SHALL BE ATTACHED NEAR THE TOP AND BOTTOM OF THOSE MONUMENTS CONSTRUCTED OF A METAL ALLOY WHICH IS NOT ATTRACTIVE TO A DIP NEEDLE.

THE CAST IRON MONUMENT COVER SHALL BE A "NON-ROCKING" TYPE. ADJUSTMENT OF THE COVER TO GRADE MAY BE ACCOMPLISHED BY THE USE OF MORTAR AND BRICK, OR BY EITHER PRECAST OR CAST-IN-PLACE REINFORCED CONCRETE GRADE RINGS.

MONUMENTS SHALL BE LOCATED AND PLACED AT THE DIRECTION OF THE ENGINEER.

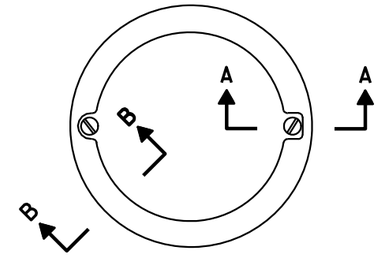
ALUMINUM MONUMENTS AND MONUMENT COVERS SHALL BE MADE FROM AN ALUMINUM AND MAGNESIUM ALLOY AS DETERMINED BY THE MANUFACTURER.

THE MONUMENT COVERS DETAILED ON THIS DRAWING ARE NOT EQUAL ALTERNATES. MONUMENT COVERS SHALL BE CAST IRON UNLESS ALUMINUM IS SPECIFIED ELSEWHERE IN THE CONTRACT.

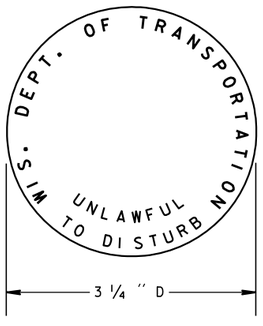
MONUMENT SHALL BE CAST-IN-PLACE CONCRETE UNLESS PRECAST CONCRETE OR ALUMINUM MONUMENTS ARE SPECIFIED IN THE CONTRACT OR PERMITTED BY THE ENGINEER.

① MINIMUM LENGTH SHALL BE 4'-0" FOR MONUMENTS INSTALLED IN PAVED AREAS.

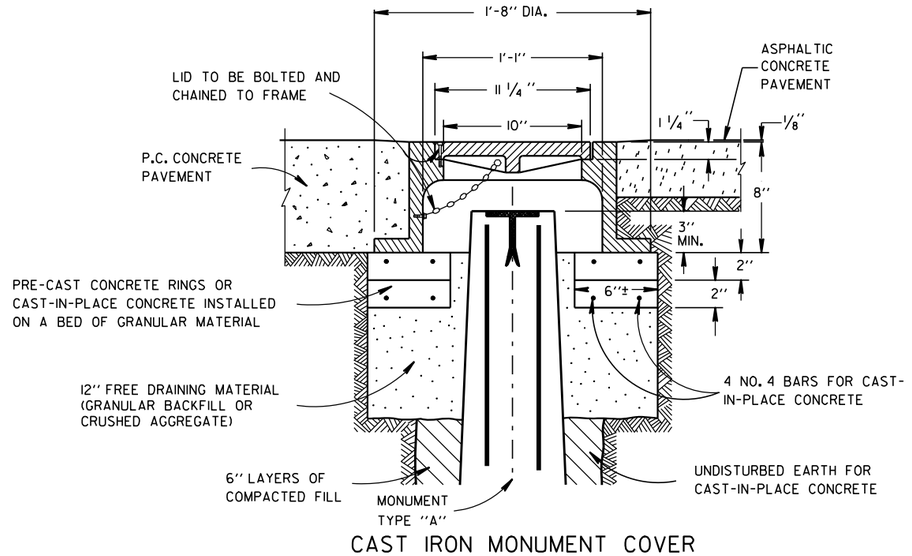
② AN OFFICIAL COUNTY MONUMENT MARKER SUPPLIED BY A COUNTY MAY BE REQUIRED FOR SOME SECTION CORNERS AND WITNESS MONUMENTS INSTEAD OF THIS WIS DOT MARKER.



TOP VIEW

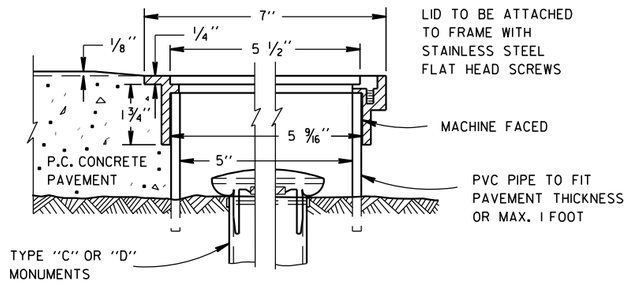


② WIS DOT MONUMENT MARKER LOGO FOR TYPES "A", "C" & "D"



CAST IRON MONUMENT COVER

(APPROXIMATE WEIGHT - 95 LBS.)



SECTION B-B SECTION A-A

ALUMINUM MONUMENT COVER

(APPROXIMATE WEIGHT 2 LBS)

(FOR CONCRETE PAVEMENT ONLY)

LANDMARK REFERENCE MOUNMENTS AND COVERS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
9/22/1999 DATE
/S/ Rory L. Rhinesmith
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

6

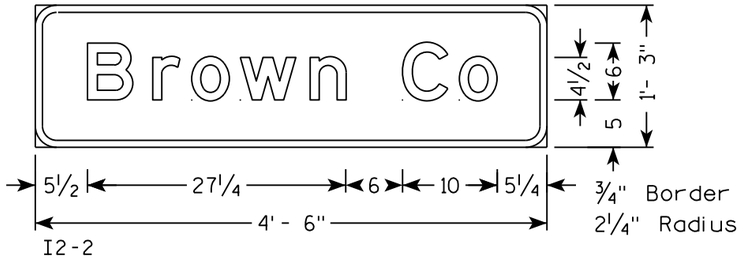
S.D.D. 16 A 1-6

6

S.D.D. 16 A 1-6

NOTES

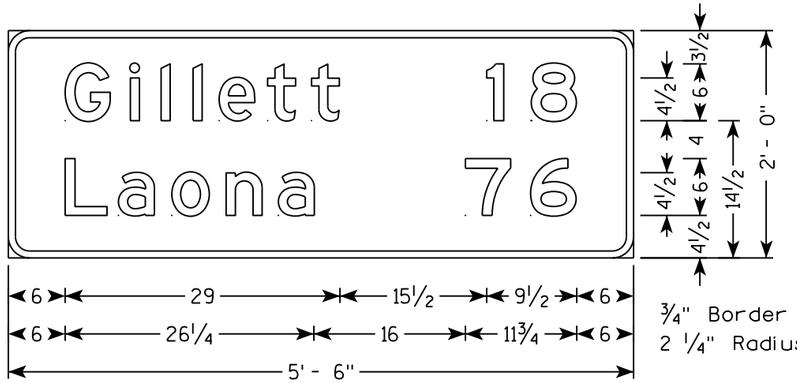
1. All Signs Type II Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - GREEN
   Message - WHITE
3. Message Series - E except as Shown



I2-2



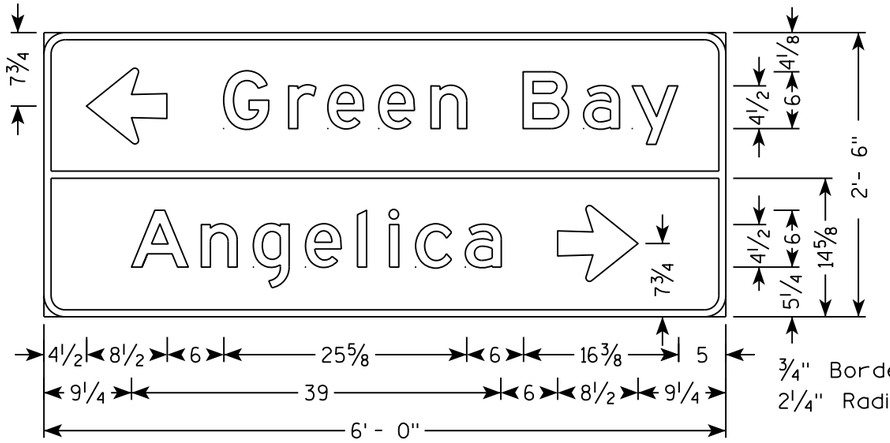
I2-2



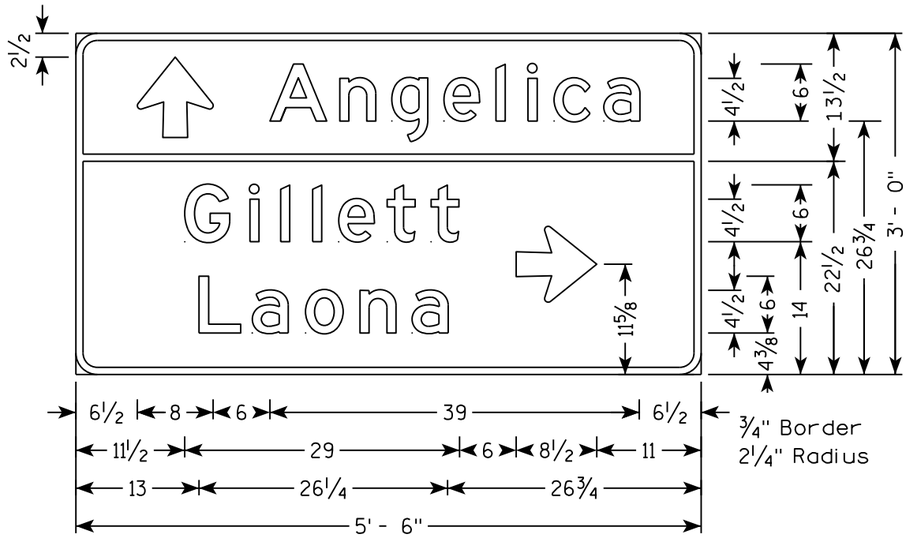
D2-2



I2-3



D1-2

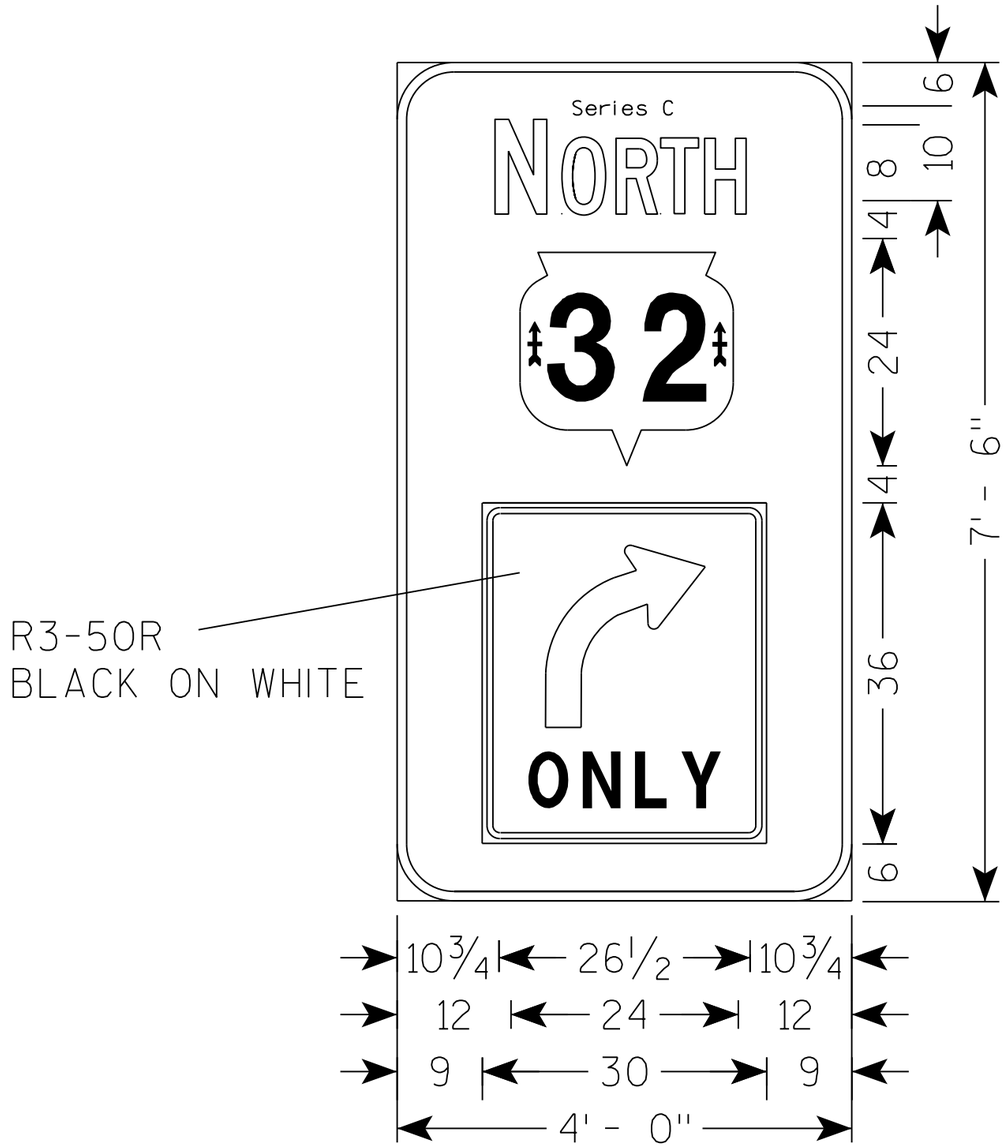


D1-3

7

7

PROJECT NO:9190-13-71	HWY:STH 32	COUNTY:BROWN	PERMANENT SIGNING	SHEET NO: 214	E



NOTES

1. Sign Is Type I - Type SH Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Green
   Message - White

7

7

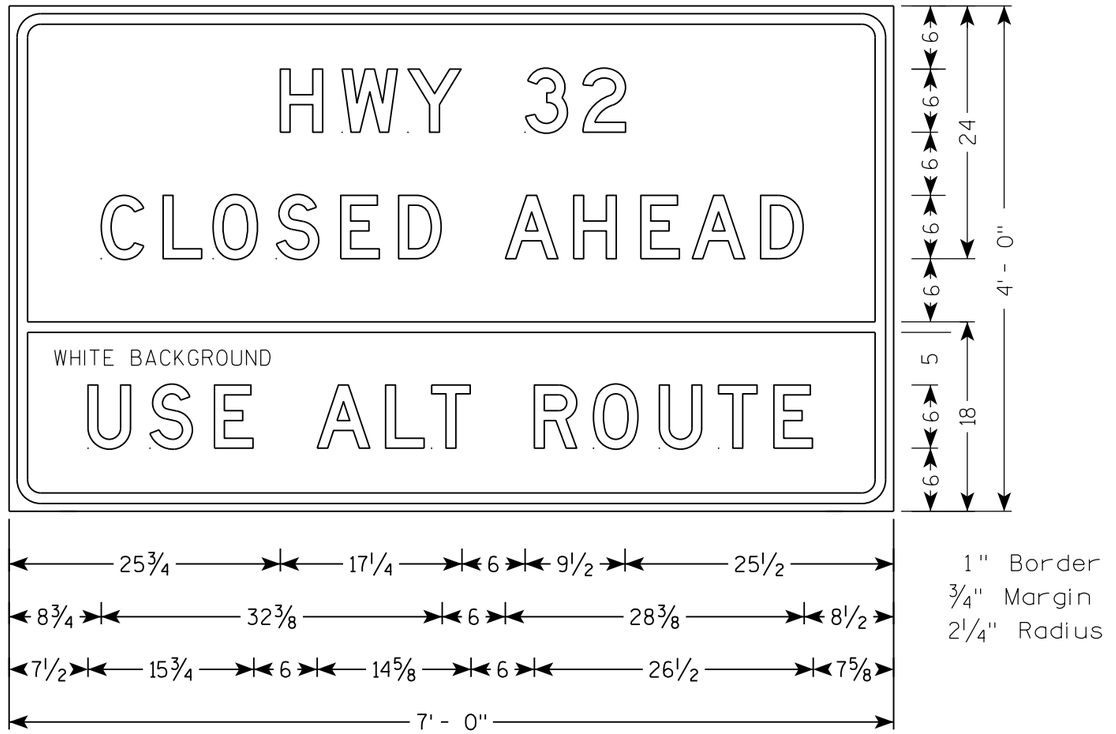
PROJECT NO:9190-13-71	HWY:STH 32	COUNTY:BROWN	PERMANENT SIGNING	SHEET NO: 215	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\070101_sd.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:15.99

WISDOT/CADDS SHEET 42

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 except as Shown
   Message - Black
3. Message Series - D



1" Border
¾" Margin
2¼" Radius

45 46

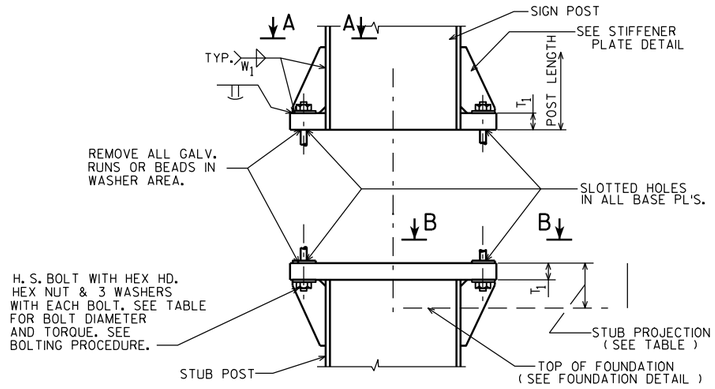
7

7

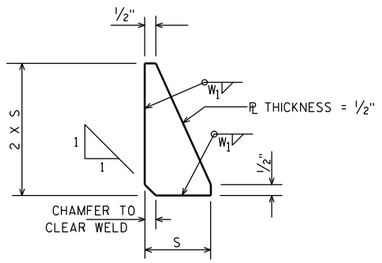
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	DETOUR SIGN DETAIL	SHEET NO: 216	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\070102_sd.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:14.3864

WISDOT/CADDS SHEET 42

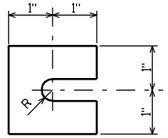


SIGN POST AND STUB POST ELEVATION



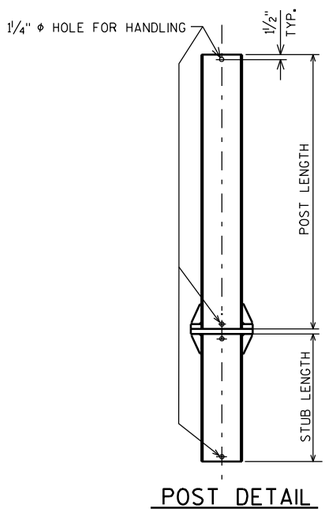
STIFFENER PLATE DETAIL

(SEE TABLE FOR DIMENSIONS)



FURNISH 2 @ .012" ± THICK AND 2 @ .032" ± THICK SHIMS PER POST. SHIMS SHALL BE FABRICATED FROM BRASS SHIM STOCK OR STRIP CONFORMING TO A.S.T.M.- B36.

SHIM DETAIL



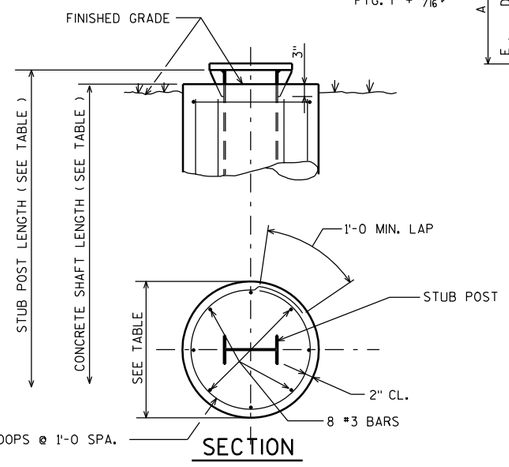
POST DETAIL

	QUANTITIES FOR 1 FOOTING	
	CONC. MASONRY C.Y.	REINF. STEEL LBS.
A	0.6	34
B	0.8	49
C	0.9	50
D	0.9	56
E	1.0	62

⑦

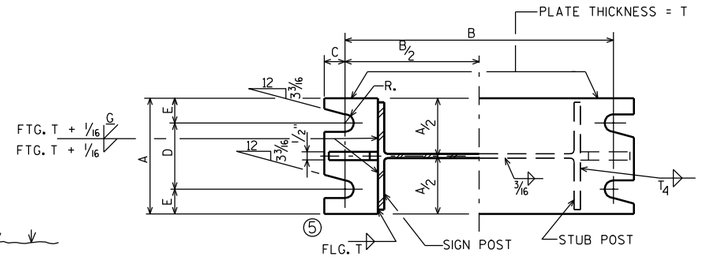
REINF.	TYPE	#3	#4
	A	8 @ 4'-5	5 @ 6'-3
	B	8 @ 6'-5	7 @ 6'-3
	C	8 @ 6'-11	7 @ 6'-3
	D	8 @ 7'-5	8 @ 6'-3
	E	8 @ 7'-11	9 @ 6'-3

⑦

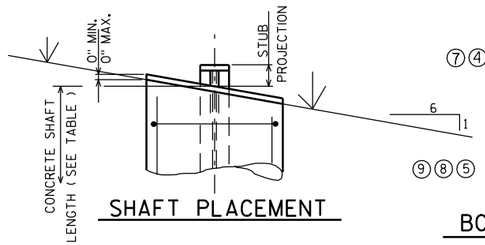


SECTION

FOUNDATION DETAIL



SECTION A-A SECTION B-B



SHAFT PLACEMENT

DESIGN DATA

WIND PRESSURE = 75 M.P.H.
WIND COMPONENTS - NORMAL = 1.0 TRANSVERSE = 0.0
ICE LOAD = 3 P.S.F.

GROUP LOADS	PERCENT OF ALLOWABLE STRESS
1. DEAD	100
2. DEAD & WIND	140
3. DEAD, ICE & 1/2 WIND△	140 △25 P.S.F. MIN.

ALLOWABLE SOIL PRESSURE = 1½T / SQ. FT.
WIND LOAD WAS APPLIED TO THE AREA OF THE SIGN AND TO THE SUPPORTING MEMBERS.
ICE LOAD WAS APPLIED TO ONE FACE OF THE SIGN AND AROUND THE SURFACE OF THE SUPPORTING MEMBERS.

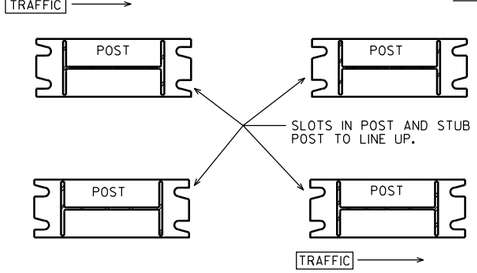
GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
DESIGN CONFORMS WITH A.A.S.H.T.O. SPECIFICATIONS 1985.
ALL POSTS, POST STUBS & ATTACHMENTS SHALL BE A.S.T.M. A709 GRADE 50.
⑨ THE POST, BASE PLATES, UPPER SIX INCHES OF STUB POST FLANGE SPLICE PLATE AND FUSE PLATE SHALL BE GALVANIZED AFTER FABRICATION.
H.S. BOLTS, WASHERS & NUTS SHALL BE A325 GALVANIZED WHEN POSTS, POST STUBS AND ATTACHMENTS ARE A709 GRADE 50 AND GALVANIZED.

BOLTING PROCEDURE - BASE CONNECTION

1. ASSEMBLE SIGN POST TO STUB POST WITH BOLTS AND ONE OF THE FLAT WASHERS ON EACH BOLT BETW. PLATES.
2. SHIM AS REQ'D. TO PLUMB POST.
3. TIGHTEN ALL BOLTS THE MAXIMUM POSSIBLE WITH 12" OR 15" WRENCH TO BED WASHERS & SHIMS AND TO CLEAN BOLT THREADS, THEN LOOSEN EACH BOLT IN TURN AND RETIGHTEN IN A SYSTEMATIC ORDER TO THE PRESCRIBED TORQUE. (SEE TABLE)
4. BURR THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH TO PREVENT NUT LOOSENING.

NOTE:
TIGHTEN THE HIGH STRENGTH BOLTS TO THE TORQUE SHOWN. DO NOT OVERTIGHTEN.



POST SLOT ORIENTATION ⑦

	TYPE	DIMENSION / POST SIZE	BOLT SIZE & TORQUE	A	B	C	D	E	T_1	T_4	W_1	R	S	STUB LENGTH	STUB PROJECTION	SHAFT DIAMETER	SHAFT LENGTH	K ②
④	A	W10"X12.0 #/FT.	3/4" ϕ @ 75#-FT.	5 1/4"	1'-0 3/8	7/8"	3 1/2"	7/8"	1"	3/16"	5/16"	13/32"	2 1/8"	3'-6	3"	2'-0 ϕ	5'-0	76.0# ④
④	B	W12"X16.0 #/FT.	7/8" ϕ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/4"	1/4"	5/16"	15/32"	3"	5'-6	3"	2'-0 ϕ	7'-0	146.5# ④
	C	W12"X19.0 #/FT.	7/8" ϕ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	5/16"	5/16"	15/32"	3"	6'-0	3"	2'-0 ϕ	7'-6	182.1#
	D	W12"X22.0 #/FT.	7/8" ϕ @ 85#-FT.	5 1/2"	1'-4 1/4	1"	3 1/2"	1"	1 1/2"	3/8"	5/16"	15/32"	3"	6'-6	3"	2'-0 ϕ	8'-0	210.5#
③	E	W12"X26.0 #/FT.	1" ϕ @ 90#-FT.	7"	1'-4 1/4	1 1/4"	4"	1 1/2"	1 1/2"	3/8"	5/16"	17/32"	3"	7'-0	3"	2'-0 ϕ	8'-6	293.0# ③

BASE CONNECTION DATA TABLE — FOUNDATION DATA

① ⑥ ①

STRUCTURAL CARBON STEEL PAY WTS. (1 POST) = K+ (POST LENGTH X POST WT.)
" K " INCLUDES STUB, BASE PLATES, STIFFS., BOLTS, AND WASHERS.

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer
DATE 4/26/11 PLATE NO. A3-1.13

NO.	DATE	REVISION
⑨	4-26-11	REMOVE NON-GALVANIZED
⑧	10-30-96	NOT GALVANIZED/GALVANIZED
⑦	10-30-92	QUANT., A588 EXCEPT., ADD SLOT VIEW
⑥	8-24-87	BASE CONN. WELD
⑤	10-13-81	BASE CONN. WELD & FUSE PL WASHERS
④	10-19-79	POST A & B, A572 GR. 50, & K
②	11-28-78	"K" ③ 4-23-79 TYPE "E"
①	5-4-78	T_1 , T_2 & W_1

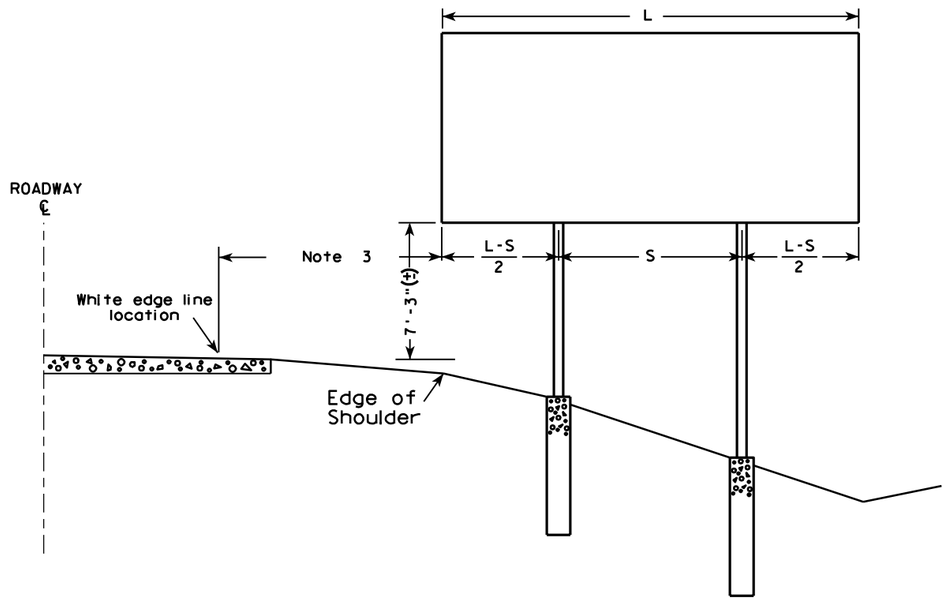
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

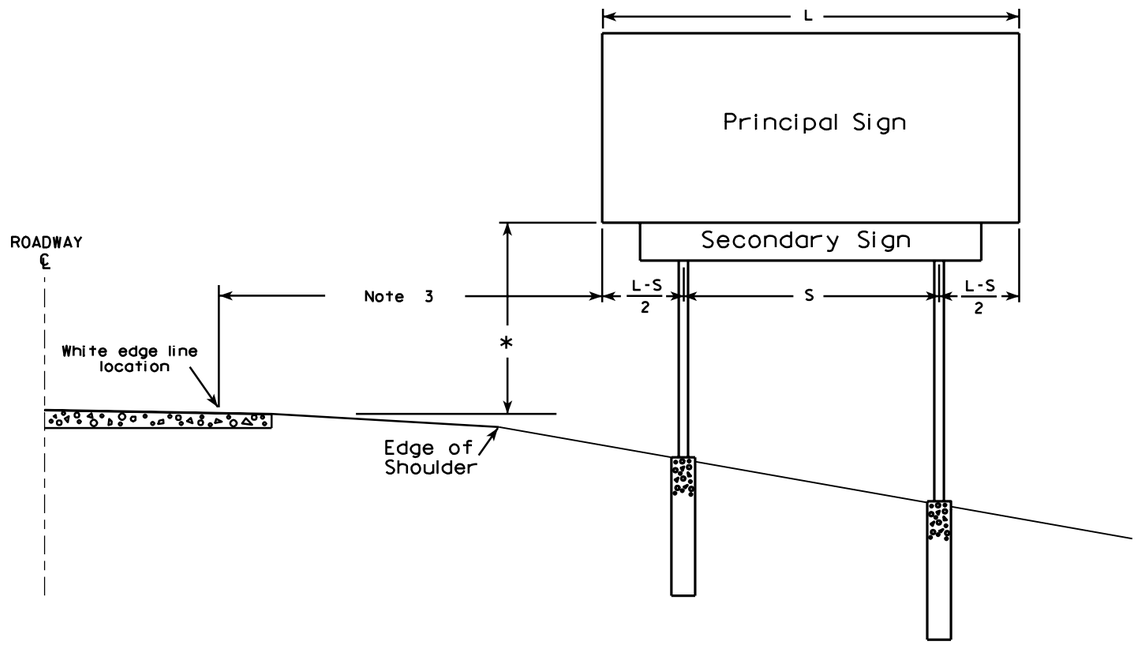
TYPE A, B, C, D, & E

CONST. SPEC. 2011 | DRAWN BY JPH | PLANS CK'D.

FTG. & SIGN SUPPORT DETAILS GROUND MOUNT BREAK-AWAY SIGNS | SHEET

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 217 | E





GENERAL NOTES

1. For a 2 post installation, S equals 3L/5, but shall not be less than 9 ft.
2. For a 3 post installation, S equals 5L/7, but shall not be less than 18 ft., and the space between any two posts shall not be less than 9 ft.
3. Unless noted in the plan, the sign offset distance shall be a minimum of 17'-6", desirable 30'-0".
4. The (±) tolerance shown on this sheet is 3 in.
5. The vertical sign height clearance detailed is measured from the bottom of the sign to the near edge of pavement.
6. Post lengths shown in the miscellaneous quantities are estimated lengths. The contractor shall verify post lengths at the time of final grading.
7. Refer to the Traffic Guidelines Manual for further guidance on minimum vertical clearance requirements.

* Clearance is 8'-3"(±) when the secondary sign is 3 ft. or less in height. For secondary signs larger than 3 ft., the clearance to the bottom of the secondary sign shall be 5'-3"(±).

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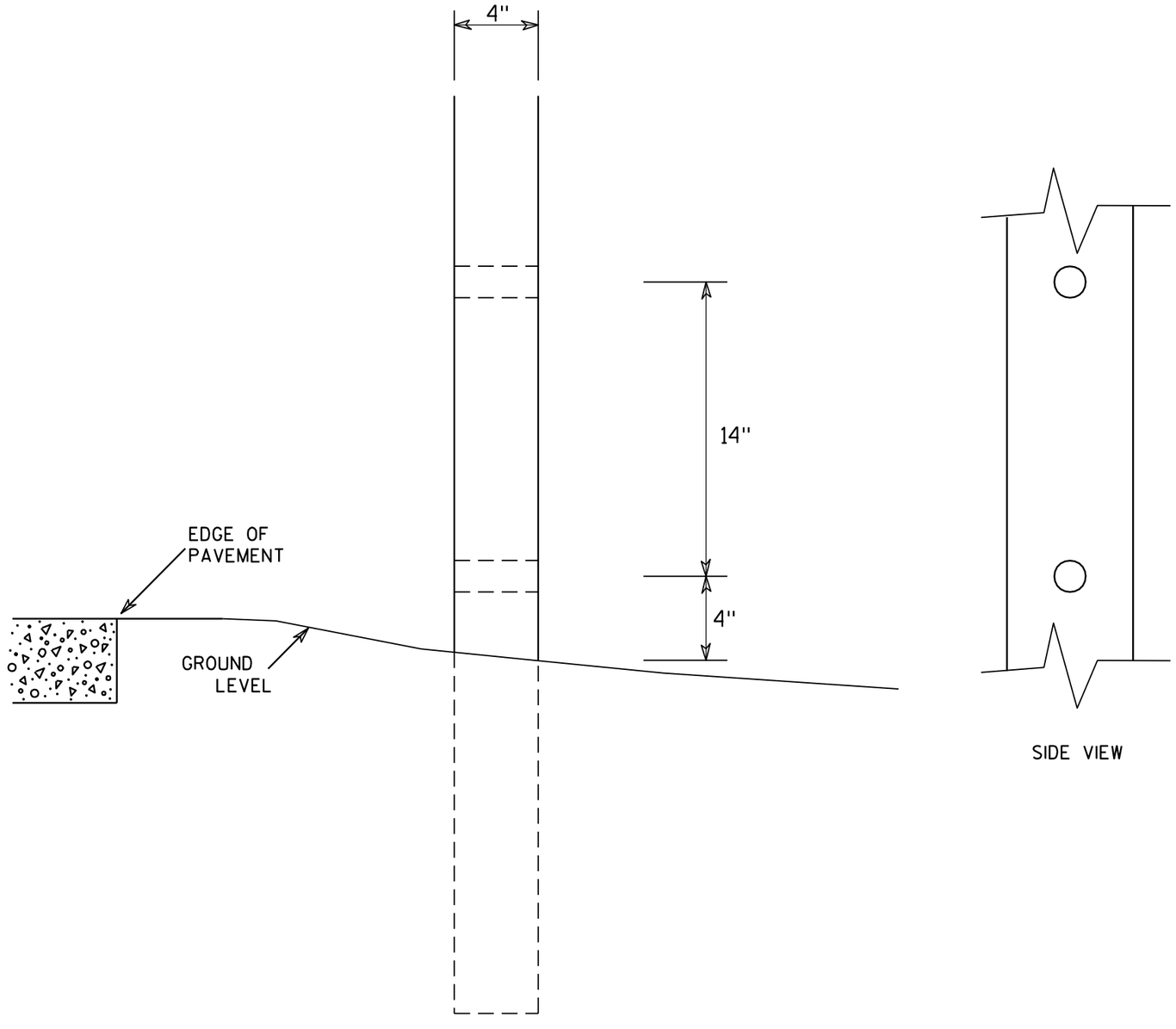
TYPICAL INSTALLATION
OF TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/02/08 PLATE NO. A4-1.9

PROJECT NO:				SHEET NO: 218	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

7

7

4 X 6 WOOD POST MODIFICATIONS

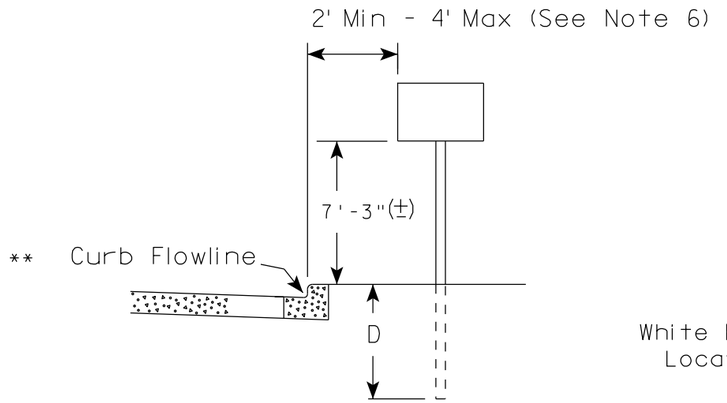
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

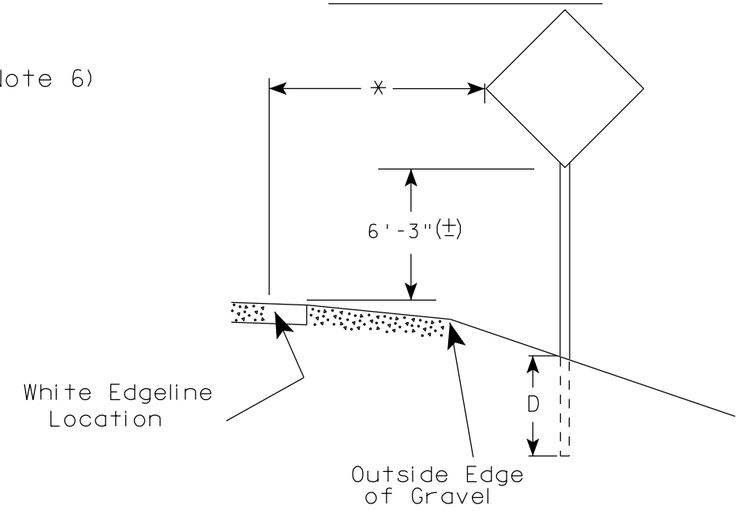
DATE 3/27/97 PLATE NO. A4-11.2

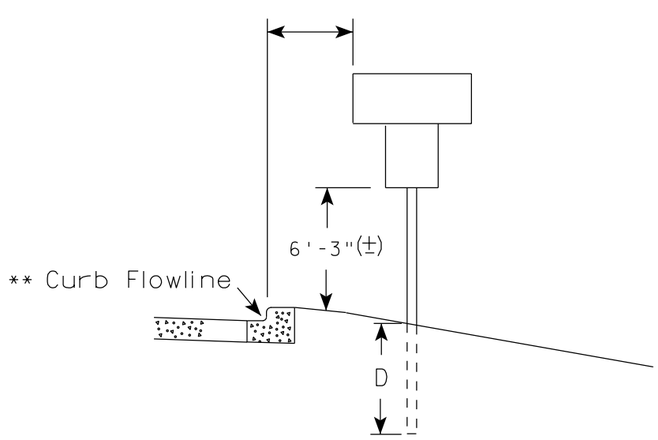
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 219	E

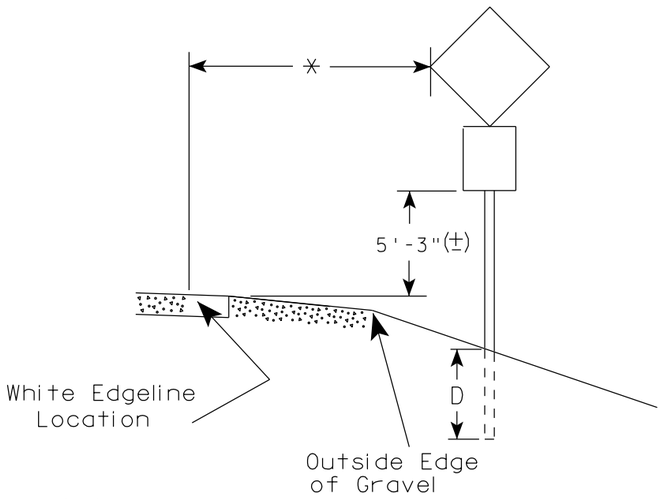
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

GENERAL NOTES

1. Signs wider than 4 feet, 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. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
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 stop signs (R1-1F) 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) & End of Rod Markers (W5-56 & W5-56A) shall be mounted at a height of 4'-3" (+).

POST EMBEDMENT DEPTH

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

TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

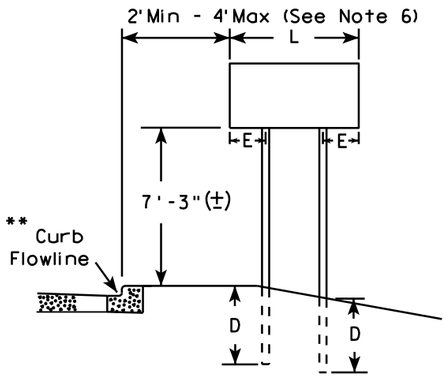
APPROVED Matthew R Rauch
for State Traffic Engineer

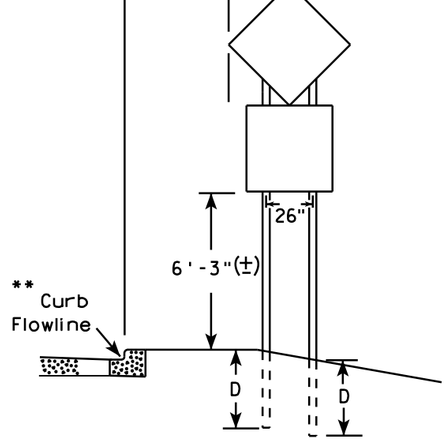
DATE 9/30/13 PLATE NO. A4-3.18

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A43.DGN PLOT DATE : 30-SEP-2013 13:25 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 99.237937:1.000000 WISDOT/CADDS SHEET 42

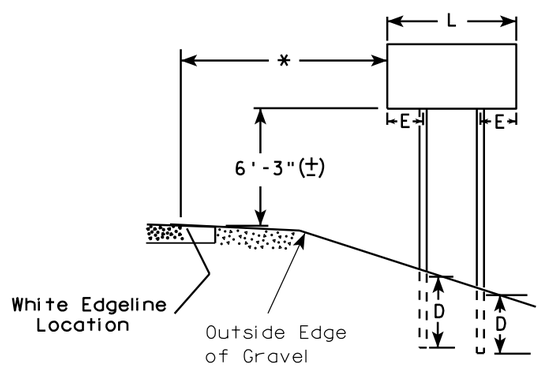
URBAN AREA

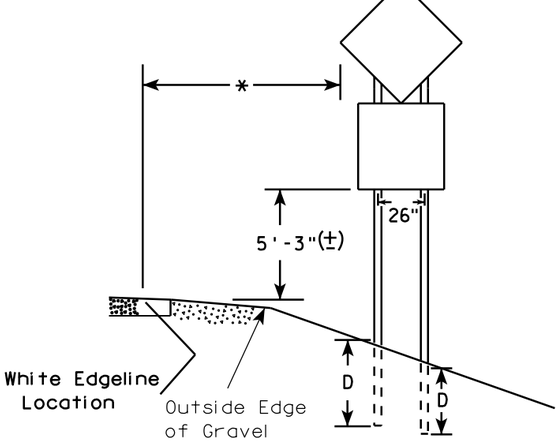




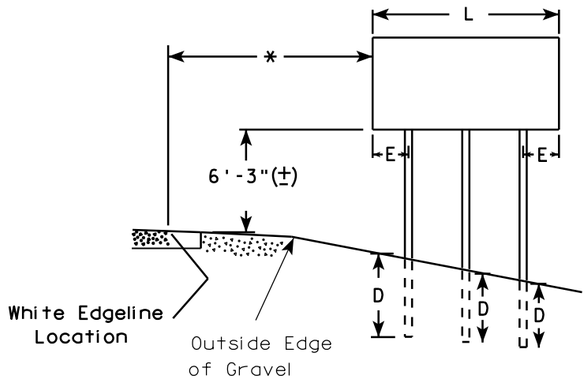
48" DIAMOND WARNING SIGN

RURAL AREA (See Note 3)





48" DIAMOND WARNING SIGN



GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. Minimum mounting height for J assemblies (A4-5) is 7'-3" (±) or 6'-3" (±) per urban or rural detail respectively.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding stop signs (R1-1F) shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series) & End of Road Markers (W5-56 & W5-56A) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width or 20 S.F. or less in area.

SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
L	E
Greater than 48" Less than 60"	12"
60" to 120"	L/5

***

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 120" less than 168"	12"

SIGN SHAPE OTHER THAN DIAMOND (FOUR POSTS REQUIRED)	
L	E
168" and greater	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

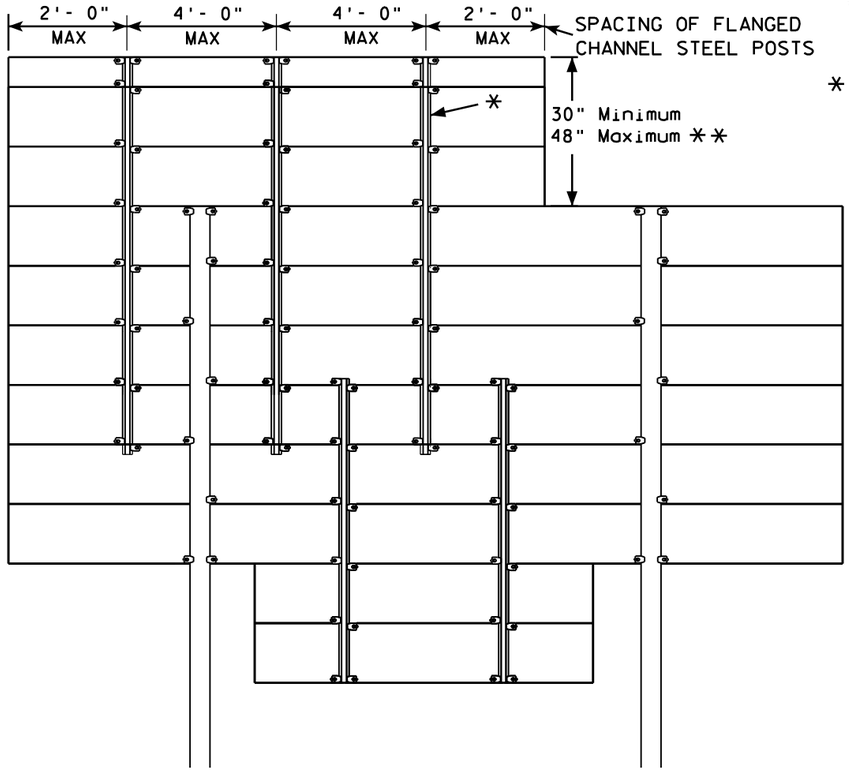
DATE 9/30/13 PLATE NO. A4-4 12
221

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A44.DGN PLOT DATE : 30-SEP-2013 13:27 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 107.021305:1.000000

7 7

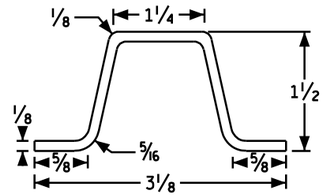
GROUND MOUNTED SIGN



*=2.00 lb/ft FLANGED CHANNEL, MIN. YIELD STRENGTH = 60,000 PSI (GRADE 60) GALVANIZED

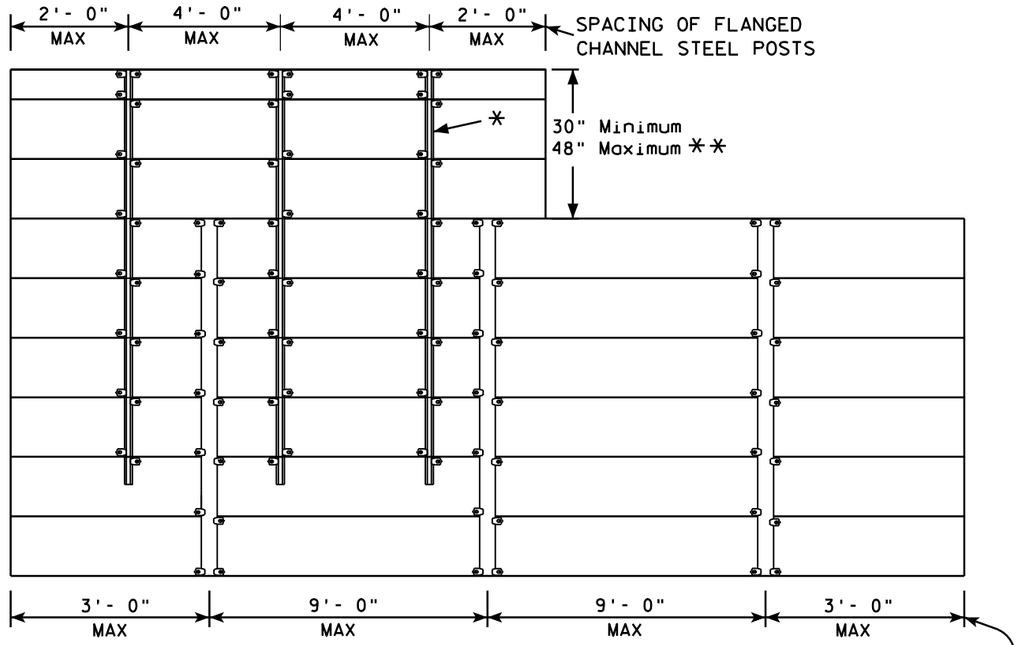
**=FOR 48" HEIGHT PANELS ON OVERHEAD STRUCTURES, ENTIRE SIGN SHALL BE CENTERED VERTICALLY ABOUT THE DEPTH OF THE TRUSS.

FLANGE CHANNEL DETAIL



NOT TO SCALE

SIGN BRIDGE MOUNTED SIGN



GENERAL NOTES

1. Flanged channel steel posts shall conform to size and material above, and shall be considered as incidental to other items in the contract.
2. Number of Flanged channel steel supports varies with length of panel and shall be spaced as shown:

   PANEL LENGTH 8'-0" OR LESS = 2 CHANNELS
   PANEL LENGTH 9'- 0" - 12'- 0" = 3 CHANNELS
   PANEL LENGTH 13'- 0" OR MORE = 4 CHANNELS

   If the flanged channel steel posts can not be horizontally spaced as shown, they can be moved so as to securely hold the sign.
3. The EXIT NUMBER PANEL shall normally be positioned above the guide sign aligned with the right edge of the guide sign. If the guide sign indicates a left exit, the EXIT NUMBER PANEL shall be aligned with the left edge of the guide sign.
4. If the bolt holes in the top panel (EXIT NUMBER), or sub panel (NEXT EXIT) line up with holes in main sign panel, stitch bolts shall be used in addition to the channels.
5. Provide post clips for each sign as shown. (Please note the differences between a ground mounted versus Sign bridge mounted sign as far as number of clips required on the main supports or beams)

ATTACHMENT OF GUIDE SIGNS TO SUPPORTS

WISCONSIN DEPT OF TRANSPORTATION

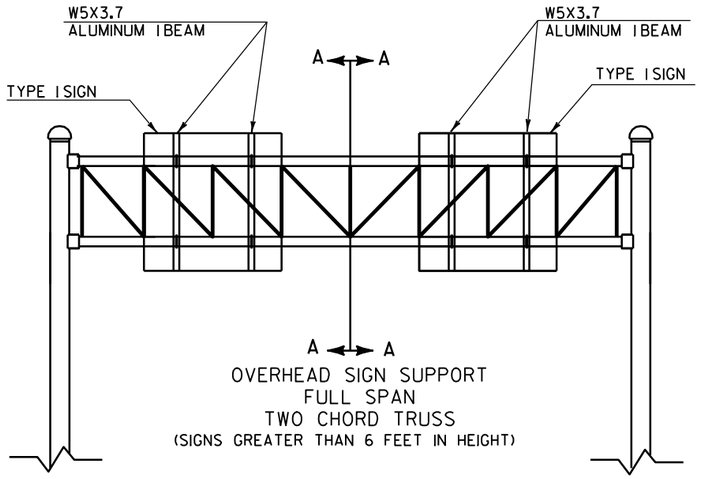
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. A4-6.11

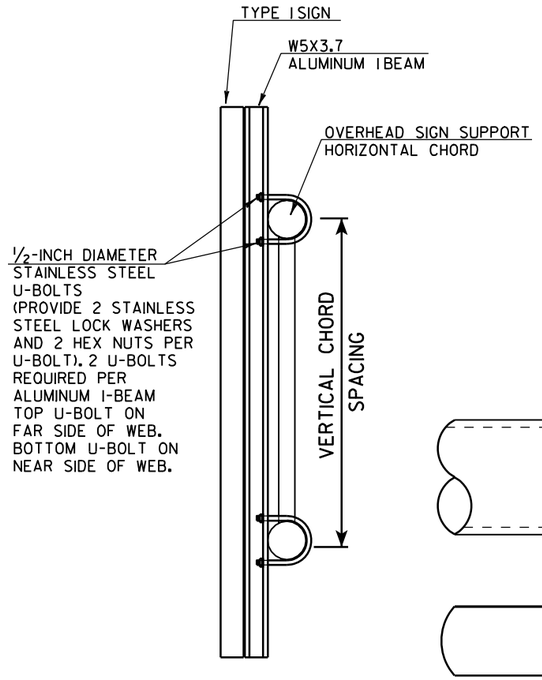
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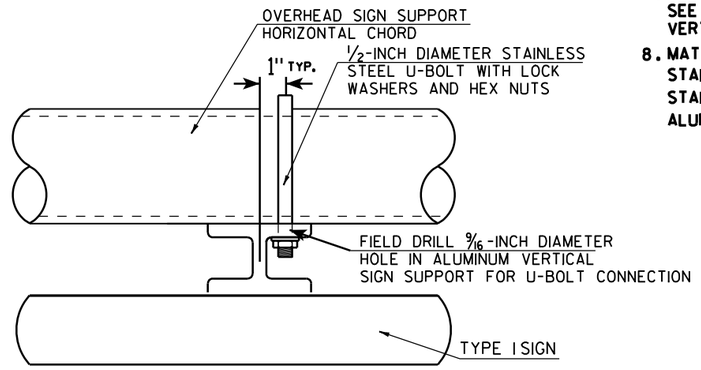
PROJECT NO:				SHEET NO: 222	E



OVERHEAD SIGN SUPPORT
FULL SPAN
TWO CHORD TRUSS
(SIGNS GREATER THAN 6 FEET IN HEIGHT)



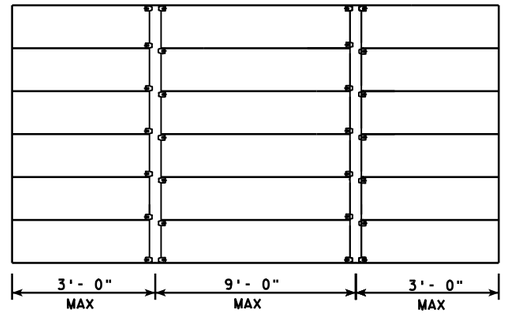
CUT SECTION A-A



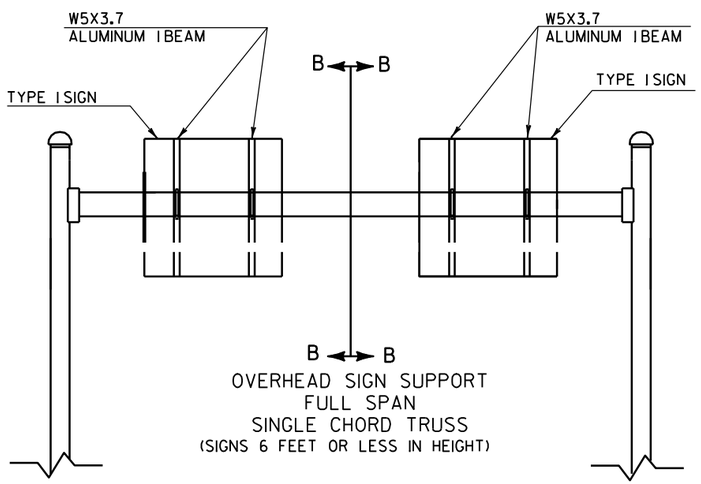
TYPICAL SIGN CONNECTION FOR
TWO CHORD TRUSS
PLAN VIEW

GENERAL NOTES

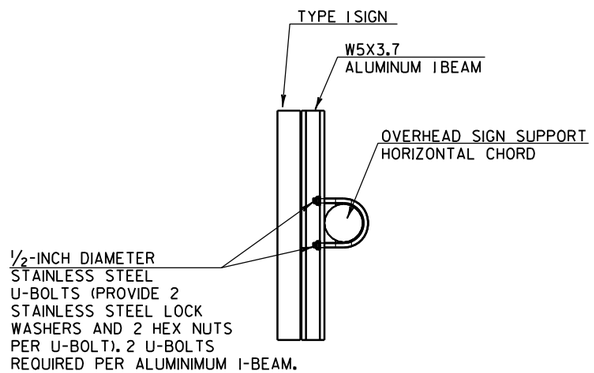
1. USE STAINLESS STEEL U-BOLTS, WASHERS, AND NUTS.
2. USE CLIPS ON EVERY EXTRUDED PANEL JOINT PER SIGN PLATE A4-6.
3. USE ALUMINUM VERTICAL SIGN SUPPORT BEAMS HAVING A 5 INCH BEAM DEPTH AND WEIGHT OF 3.7 LBS PER FOOT.
4. U-BOLTS SHALL BE STAINLESS STEEL AND MANUFACTURED TO THE PROPER SIZE TO FIT THE CHORDS OF THE OVERHEAD SIGN STRUCTURE.
5. DIAMETER OF U-BOLTS SHALL BE AS SHOWN.
6. THE LENGTH OF THE ALUMINUM VERTICAL SIGN SUPPORT BEAMS SHALL BE THE SAME AS THE HEIGHT OF THE SIGN THEY ARE SUPPORTING. BEAM LENGTHS MAY BE LONGER FOR PROPER ATTACHMENT TO CHORDS.
7. MINIMUM NUMBER OF BRACKETS PER SIGN IS TWO. SEE DETAIL BELOW FOR SPACING OF ALUMINUM VERTICAL SIGN SUPPORTS
8. MATERIAL NOTES:
   STAINLESS STEEL U-BOLTS AND LOCKWASHERS ASTM 304.
   STAINLESS STEEL HEX NUTS ASTM A276.
   ALUMINUM I-BEAMS ARE 6061-T6.



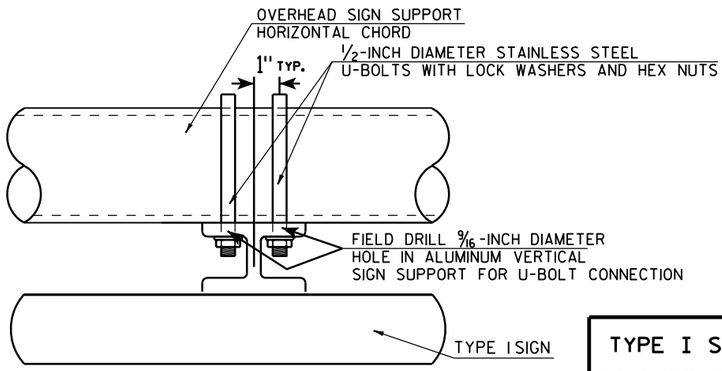
SPACING OF W5X3.7 ALUMINUM
VERTICAL SIGN SUPPORT



OVERHEAD SIGN SUPPORT
FULL SPAN
SINGLE CHORD TRUSS
(SIGNS 6 FEET OR LESS IN HEIGHT)



CUT SECTION B-B



TYPICAL SIGN CONNECTION FOR
SINGLE CHORD TRUSS
PLAN VIEW

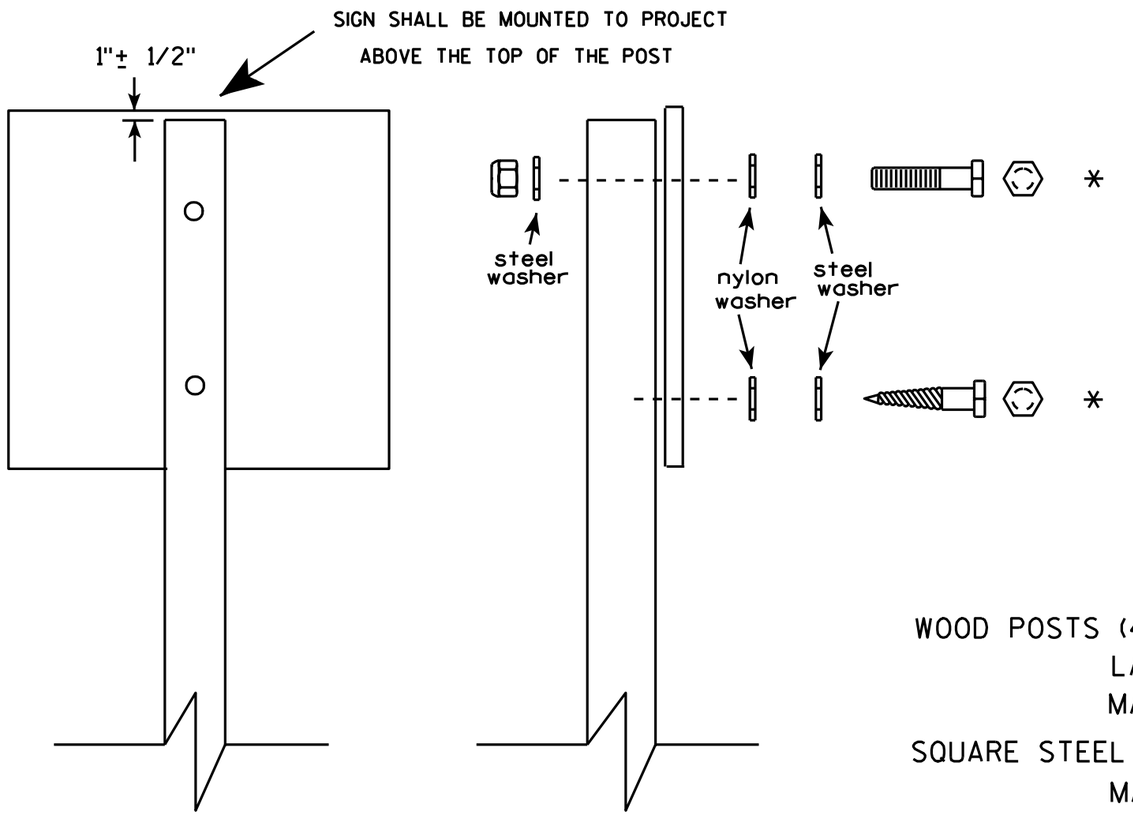
TYPE I SIGN CONNECTION TO OVERHEAD SIGN SUPPORT

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/12 PLATE NO. A4-7.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 223	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

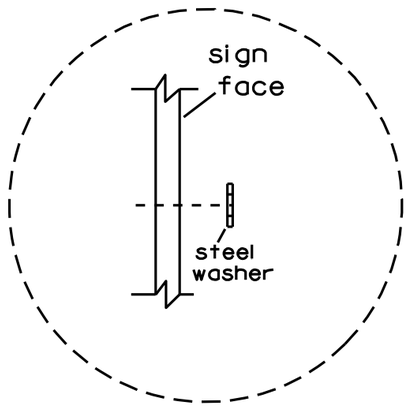
b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

WOOD POSTS (4" x 4" or 4" x 6")
LAG SCREWS - 3/8" X 3"
MACHINE BOLTS - 5/16" X 6-1/2" or 7" Length w/ nuts

SQUARE STEEL POSTS (2" x 2")
MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts
RIVETS - 9/32 " (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -
1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON for all Type H signs.



Washer Placement when Sign Has Other Than Type H or Type F Face

* 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 3/23/10 PLATE NO. A4-8.7

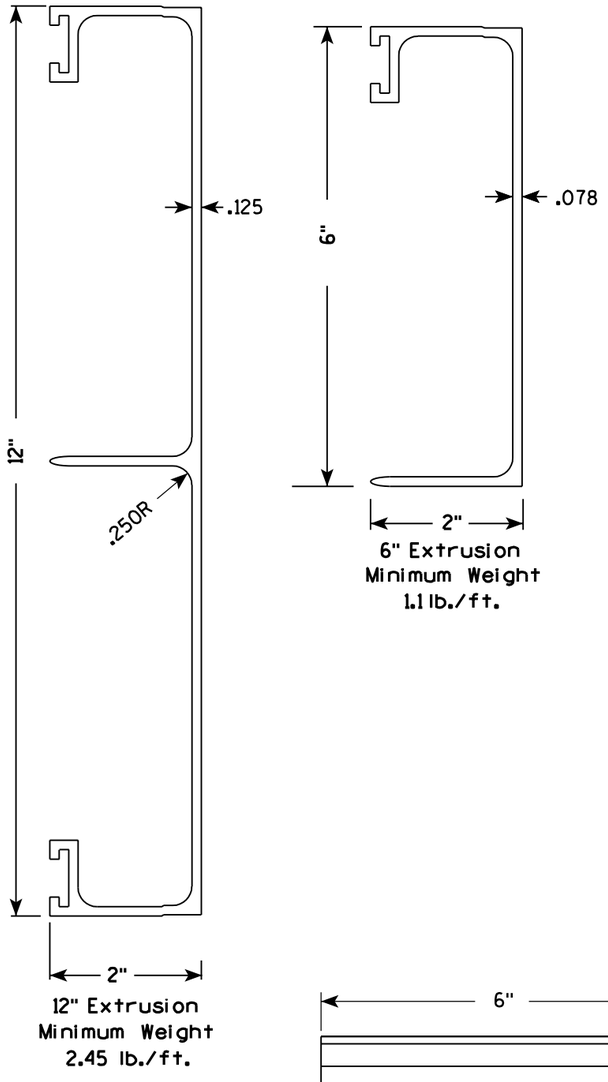
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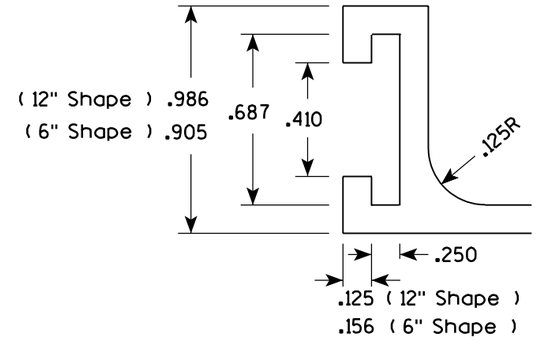
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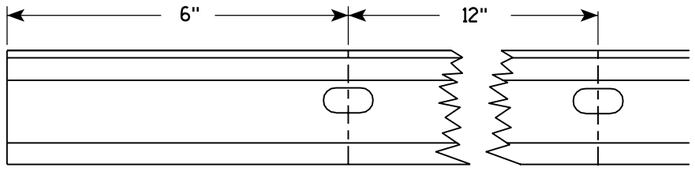
PROJECT NO:

SHEET NO: 224 E

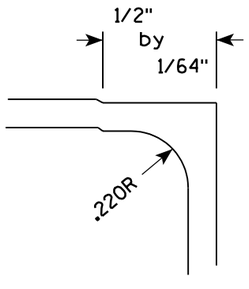
Extruded Shape







Punch 7/16" x 7/8" oval holes beginning 6" in from end of extrusion 12" CC on both edges of 6" and 12" panels.

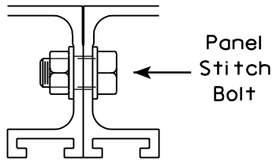


Hardware

STITCH BOLT, WASHER & NUT

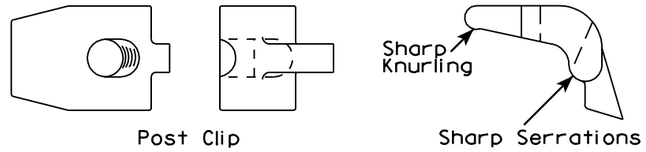
The hardware includes:

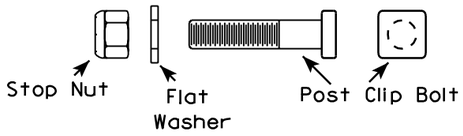
3/8 " - 16 X 3/4 " Economy Bolt 2024-T4 alloy
3/8 " - Stainless steel stop nut
3/8" X .064 Flat Washers, Alclad 2024-T4 alloy



POST CLIP, POST CLIP BOLT, WASHER & NUT

Post Clip shall be Alum. Alloy 356-T6
Post Clip Bolt shall be Stainless Steel.
Flat washer shall be 3/8" X .091, Stainless Steel.
Stop nut shall be stainless steel.





NOTES

1. The contractor may select any brand of extrusion that conforms to the illustrations or meets with the approval of the engineer, but all extrusions used on this contract shall be of the same brand.
2. Panel Stitch Bolts shall be used to assemble adjacent panels. Maximum stitch bolt spacing shall be 24" C-C, and a minimum of 4 bolts shall be used to connect any two extrusions.
3. Post Clips shall be used to attach the sign panel to the sign support.

ALUMINUM EXTRUSIONS FOR TYPE I SIGNS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spagg
for State Traffic Engineer

DATE 11/18/99 PLATE NO. A5-2.9

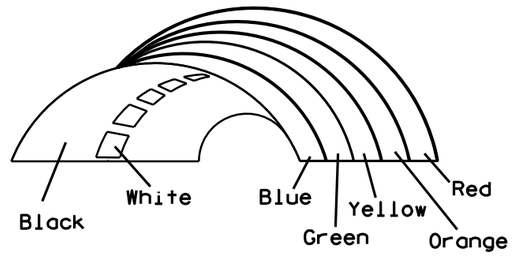


* VARIES

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 - (See Note 6)
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. Border - Blue
   Line 1 - Red
   Line 2 - Black
   Line 3-5 - Blue
6. Line 1 - Dutch 8011L
   Line 2 - Series E
   Line 3-5 - Series C
7. Contractor shall provide and install a new post bracket in accordance with the I55-56B sign detail.

Background Colors of Symbol*



*1/4" Black Border between each color of rainbow and border of rainbow

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	30	36	1 1/2	1/2	5/8	3	2	3 1/2	2 7/8	1	8	2 1/8	11 1/4	11 1/8	9 3/8	1 1/4		3/4	12 5/8	7 1/2							7.5
3																											
4																											
5																											

STANDARD SIGN
I55-56

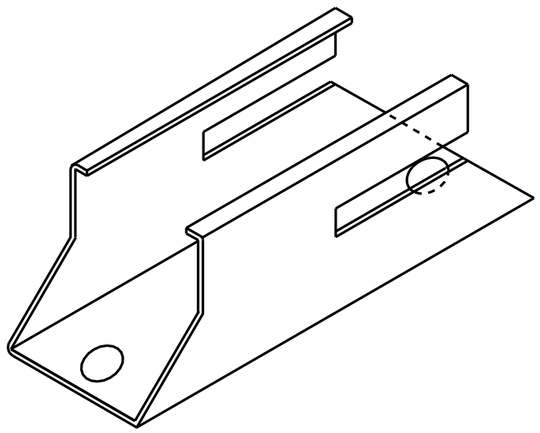
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/27/11 PLATE NO. 155-56.3

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 226

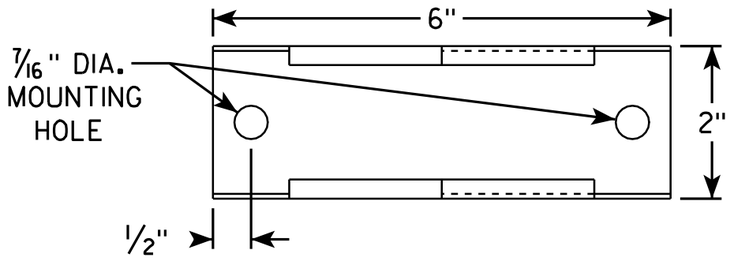
ISOMETRIC VIEW



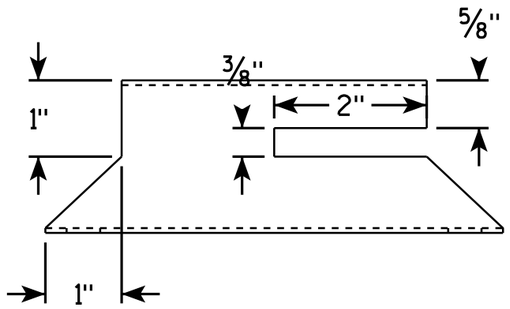
NOTES

1. Must be capable of permanent attachment to a wood or steel channel sign post utilizing the fastening hardware specified on the A4-8 sign plate.
2. Shall be entirely primed and painted with two coats of a black powder coated enamel paint.
3. Shall be made with 12 gauge steel, and incorporate no welds, no hinged components, no threaded lock-type components, and no parts which are loose or can be separated from the main body.
4. Shall have rounded edges with at least 1/8" radii.
5. Shall not have unrounded and uncoated metal edges which can contact the back surface of the roll-up sign.
6. Top of bracket shall be mounted 2' below the bottom of the I55-56 sign.
7. Cost of bracket and fastening hardware shall be incidental to the I55-56 sign.

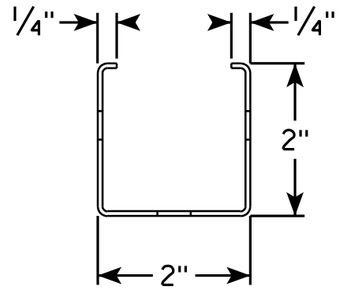
TOP VIEW



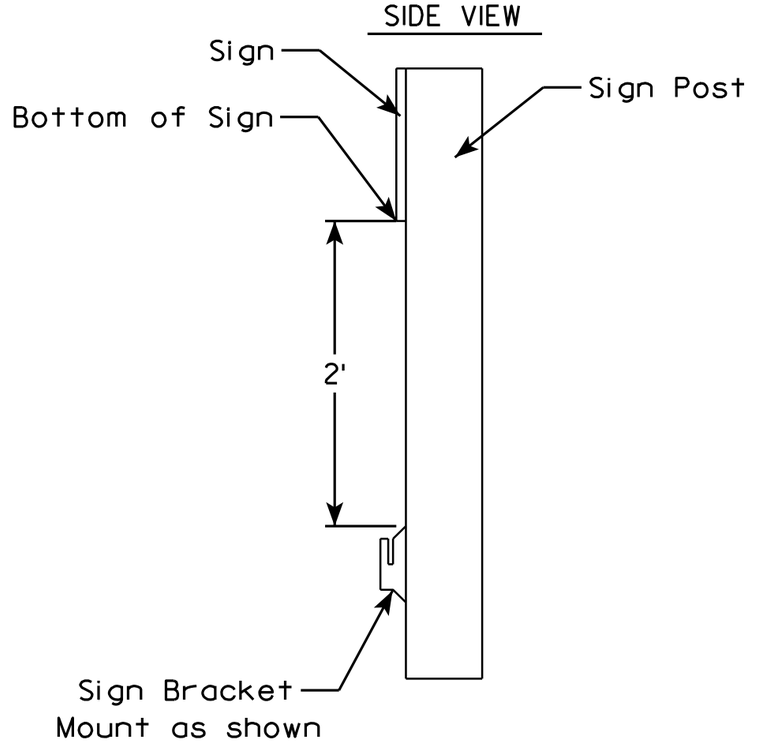
SIDE VIEW



END VIEW



SIDE VIEW



7

7

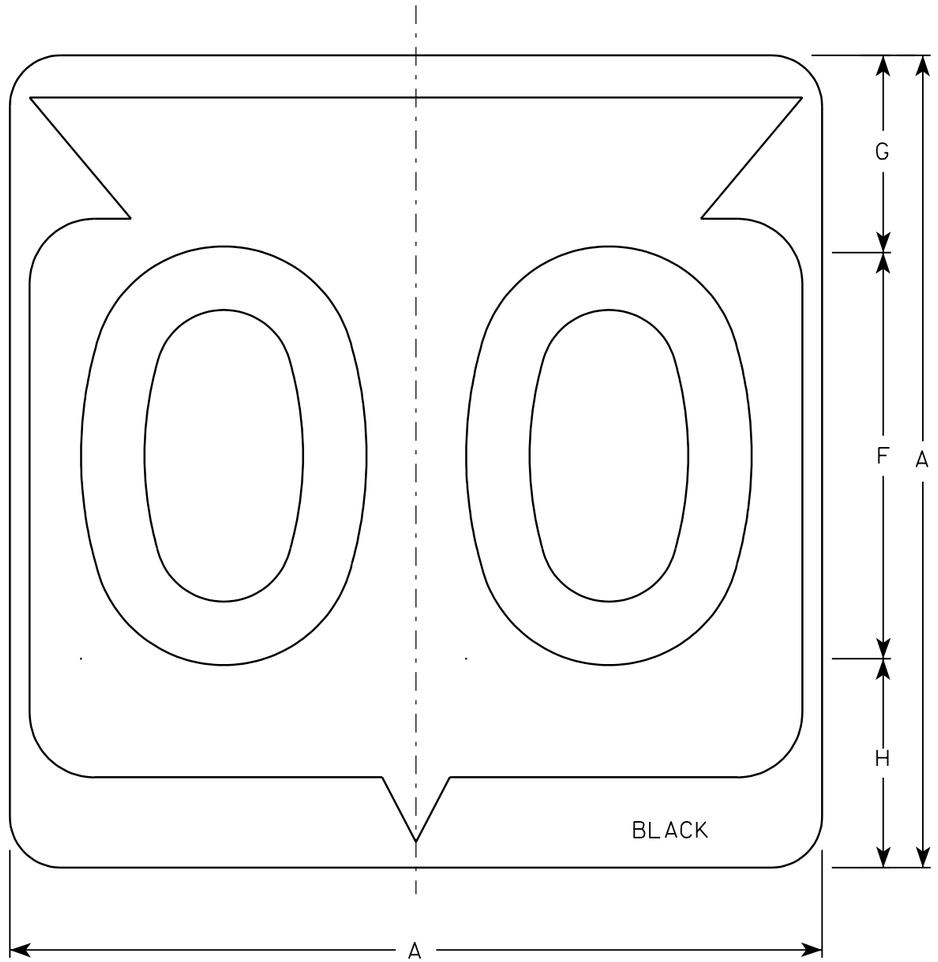
ROLLUP SIGN BRACKET
I55-56B

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/5/10 PLATE NO. I55-56B.1

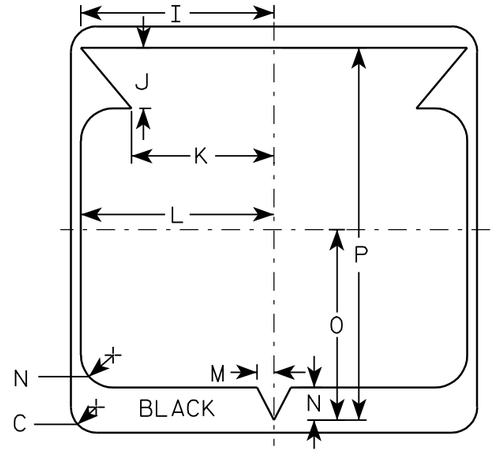
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 227	E



M1-6

NOTES

1. Sign is Type II - See Note 6 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black - See Note 6
   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. Substitute appropriate Series numerals and adjust spacing as per plate A10-1.
6. Permanent Signs
   Background - Type H Reflective
   Detour or temporary Signs
   Background - Reflective



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
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	.36
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	.81
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	.81
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	.81

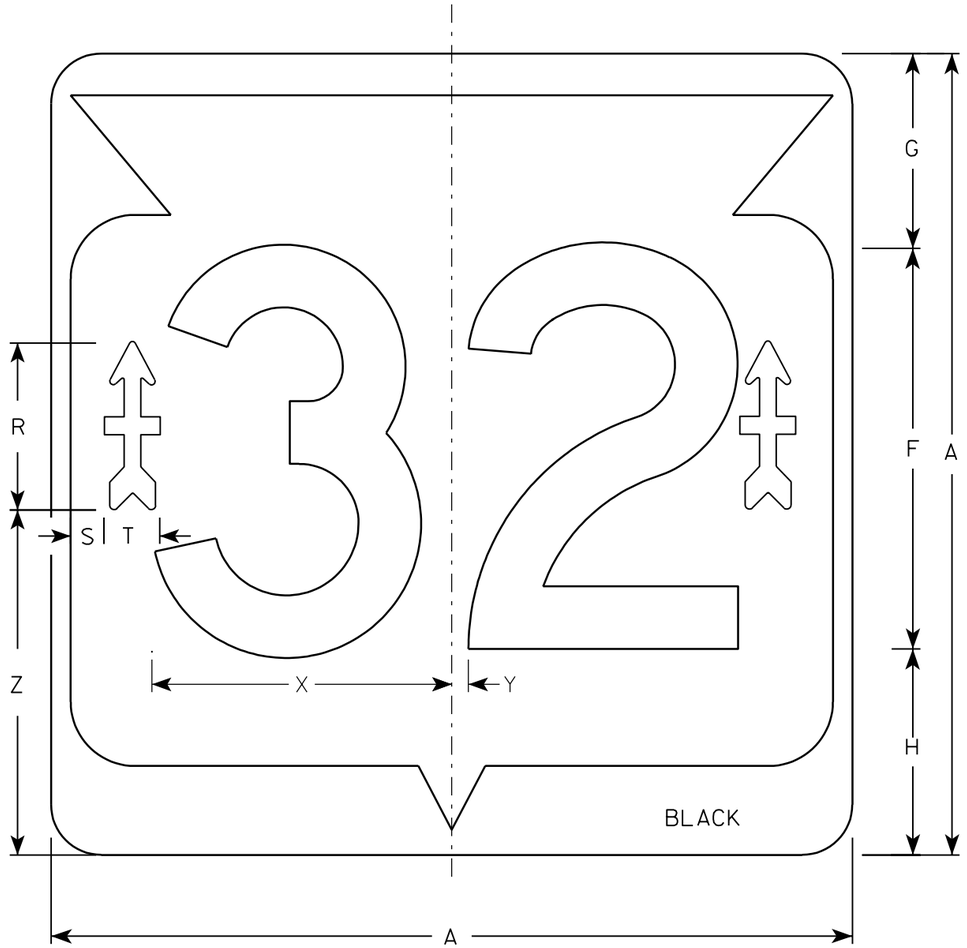
STATE ROUTE MARKER M1-6 FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Chester J Spang for State Traffic Engineer

DATE 3/20/02 PLATE NO. M1-6.9

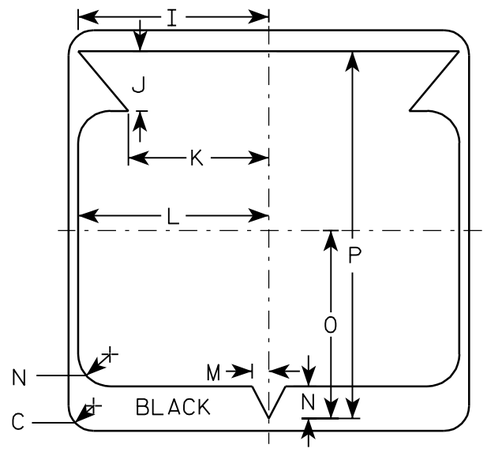
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 228	E



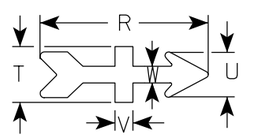
M1-6B

NOTES

1. Sign is Type II - Type H - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White & Black
   Message - Black
   Arrow - Type H Reflective Red
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.



32nd DIVISION ARROW
ACTUAL SIZE



Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 600 mm
3	900 mm X 900 mm
4	900 mm X 900 mm
5	900 mm X 900 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m²
1																												
2	24		1 ½			12	5 ½	6 ½	10 ¼	2 ½	8 ⅞	11 ½	1	1 ⅞	11 ¼	21 ⅞		5 ⅛	¾	1 ⅞	1 ½	⅝	⅝	9	½	10 ½	4.0	.36
3	36		2 ¼			18	8 ¾	9 ¼	15 ⅜	5 ⅜	12 ⅝	17 ⅛	1 ½	2 ⅞	16 ⅞	33		7 ½	1 ½	2 ½	2	⅞	¾	13 ½	¾	15 ½	9.0	.81
4	36		2 ¼			18	8 ¾	9 ¼	15 ⅜	5 ⅜	12 ⅝	17 ⅛	1 ½	2 ⅞	16 ⅞	33		7 ½	1 ½	2 ½	2	⅞	¾	13 ½	¾	15 ½	9.0	.81
5	36		2 ¼			18	8 ¾	9 ¼	15 ⅜	5 ⅜	12 ⅝	17 ⅛	1 ½	2 ⅞	16 ⅞	33		7 ½	1 ½	2 ½	2	⅞	¾	13 ½	¾	15 ½	9.0	.81

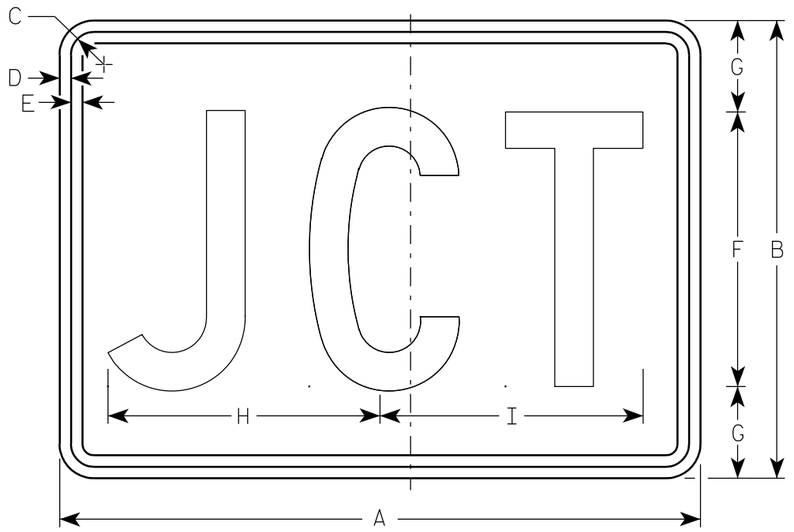
STATE ROUTE MARKER "32"
M1-6B FOR ASSEMBLIES

WISCONSIN DEPT OF TRANSPORTATION

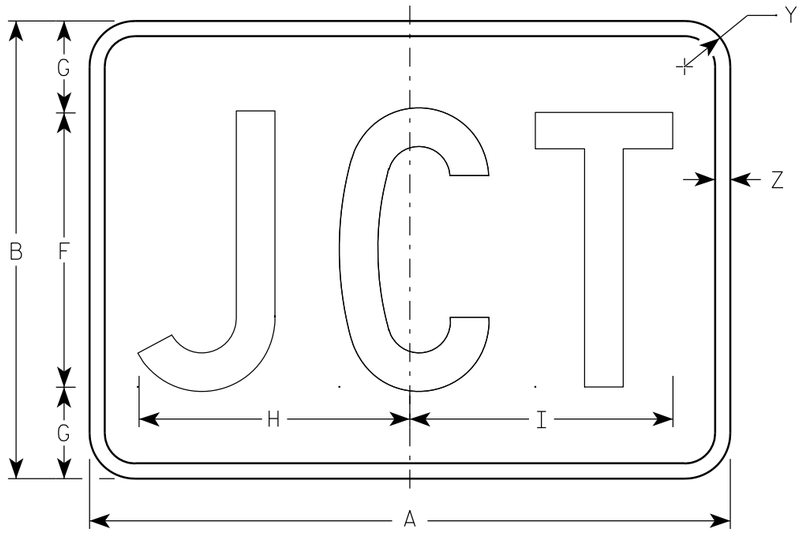
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 12/5/05 PLATE NO. M1-6B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 229 | E



M2-1
MK2-1
MM2-1
MR2-1



MB2-1
MG2-1
MN2-1

NOTES

1. Sign is Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 - Type H Reflective
   (Detour or temporary Signs - Reflective)
   Message - Black
   MB2-1 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary Signs - Reflective)
   MG2-1 Background - Green
   Message - White - Type H Reflective
   MK2-1 Background - Green
   Message - White - Type H Reflective
   MM2-1 Background - White - Type H Reflective
   Message - Green
   MN2-1 Background - Brown
   Message - White - Type H Reflective
   MR2-1 Background - Brown
   Message - Yellow - Type H Reflective

Metric equivalent for this sign is:

SIZE	
1	
2	525 mm X 375 mm
3	750 mm X 525 mm
4	750 mm X 525 mm
5	750 mm X 525 mm

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
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	0.20
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	0.20
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	0.20
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	0.20

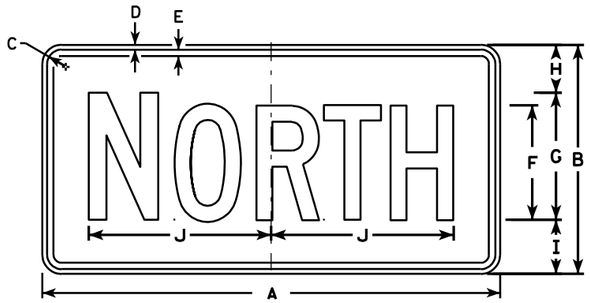
STANDARD SIGN
M2-1

WISCONSIN DEPT OF TRANSPORTATION

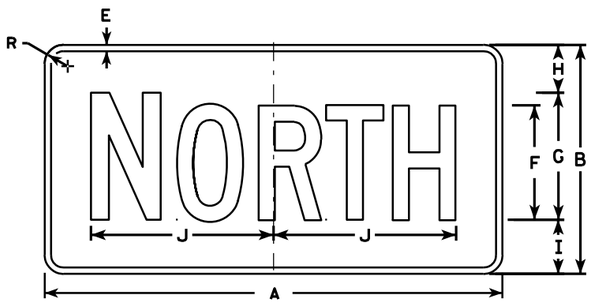
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/16/10 PLATE NO. M2-1.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 230	E



M3-1
MK3-1
MO3-1



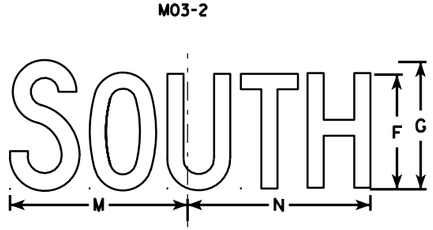
MB3-1
MG3-1
MM3-1
MN3-1



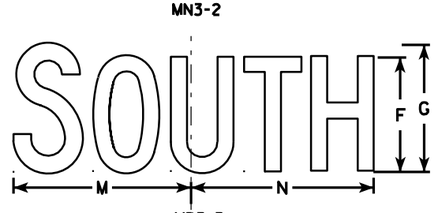
M3-2
MK3-2
MO3-2



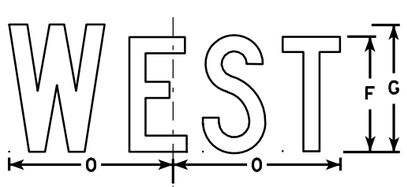
MB3-2
MG3-2
MM3-2
MN3-2



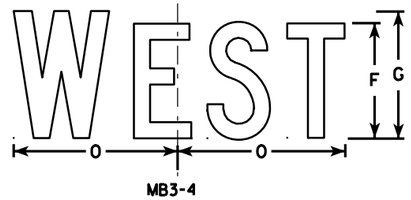
M3-3
MK3-3
MO3-3



MB3-3
MG3-3
MM3-3
MN3-3



M3-4
MK3-4
MO3-4



MB3-4
MG3-4
MM3-4
MN3-4

NOTES

1. All Signs Type II - See Note 5 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 - Type H Reflective
   (Detour or temporary signs - Reflective)
   Message - Black
   MB3-1 thru MB3-4 Background - Blue
   Message - White - Type H Reflective
   (Detour or temporary signs - Reflective)
   MG3-1 thru MG3-4 Background - Green
   Message - White - Type H Reflective
   MK3-1 thru MK3-4 Background - Green
   Message - White - Type H Reflective
   MM3-1 thru MM3-4 Background - White - Type H Reflective
   Message - Green
   MN3-1 thru MN3-4 Background - Brown
   Message - White - Type H Reflective
   M03-1 thru M03-4 Background - Orange - Reflective
   Message - Black
6. Note the first letter of each direction is larger than the remainder of the message.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	24	12	1 1/8	3/8	3/8	6	7	2 1/4	2 3/4	10 1/4	7 7/8	8 3/8	10 1/4	9 3/4	8 3/4			1 1/2									2.00
3	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
4	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5
5	36	18	1 1/8	3/8	1/2	9	10	3 3/4	4 1/4	14 3/8	12	12 1/8	14	14 1/8	13			1 1/2									4.5

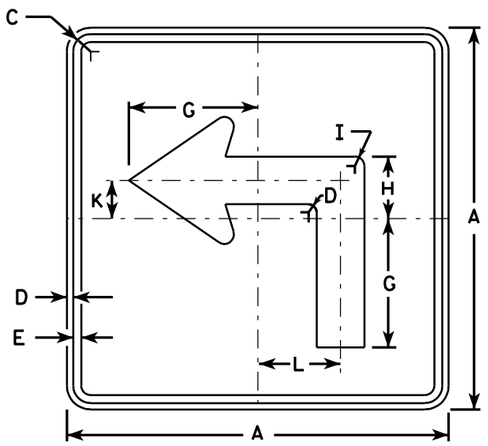
STANDARD SIGNS
M3-1 thur M3-4
SERIES

WISCONSIN DEPT OF TRANSPORTATION

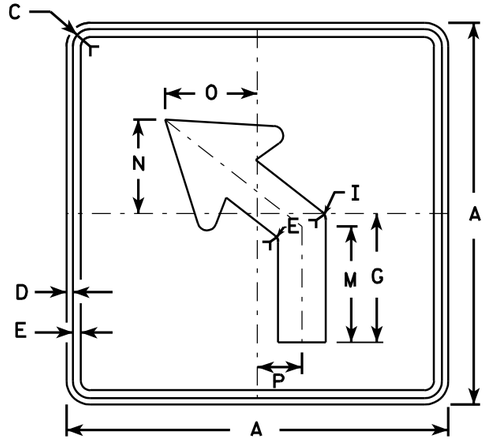
APPROVED Matthew R Rauch for State Traffic Engineer

DATE 11/10/10 PLATE NO. M3-1.12

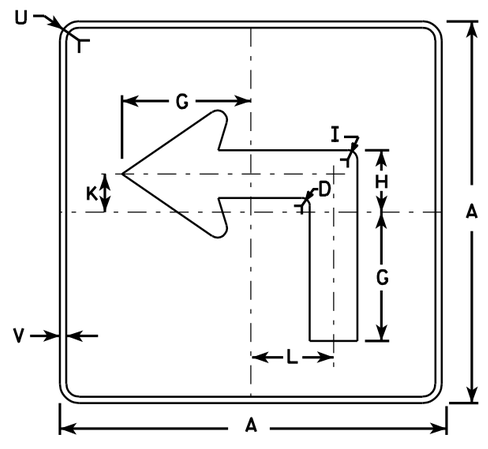
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 231	E



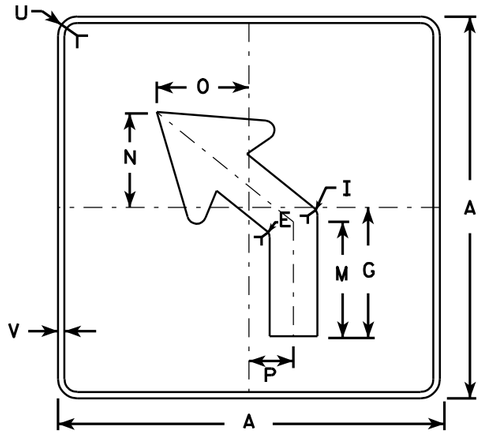
M5-1L
MK5-1L
MM5-1L
MO5-1L
MP5-1L
MR5-1L



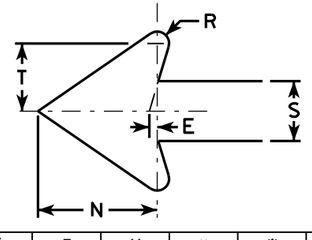
M5-2L
MK5-2L
MM5-2L
MO5-2L
MP5-2L
MR5-2L



MB5-1L
MG5-1L
MN5-1L



MB5-2L
MG5-2L
MN5-2L



NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. M5-1 and M5-2 Background - White - Type H Reflective
   Message - Black
   MB5-1 and MB5-2 Background - Blue
   Message - White - Type H Reflective
   MG5-1 and MG5-2 Background - Green
   Message - White - Type H Reflective
   MK5-1 and MK5-2 Background - Green
   Message - White Type H Reflective
   MM5-1 and MM5-2 Background - White - Type H Reflective
   Message - Green
   MN5-1 and MN5-2 Background - Brown
   Message - White - Type H Reflective
   MO5-1 and MO5-2 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 - Type H Reflective
5. M5-1R same as M5-1L except arrow points right.
6. 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 1/8	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 1/8	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 1/8	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

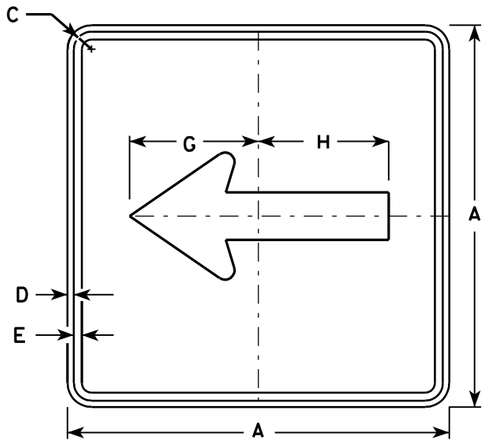
STANDARD SIGN
M5-1 & M5-2

WISCONSIN DEPT OF TRANSPORTATION

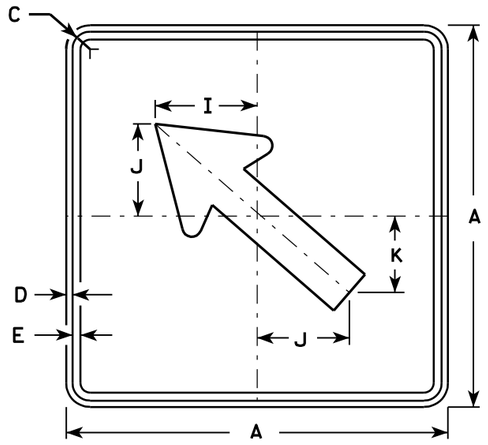
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M5-1.12

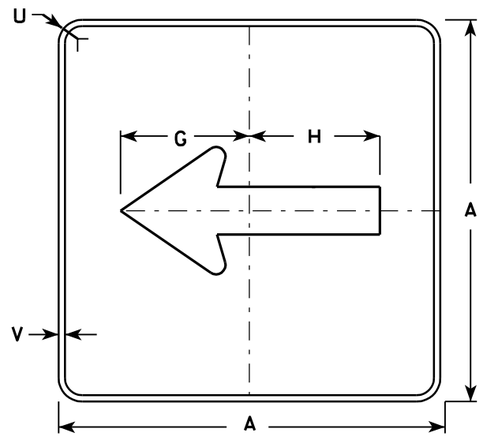
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 232 | E



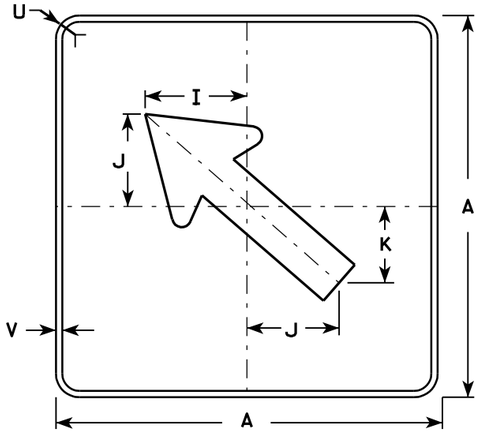
M6-1
MK6-1
MM6-1
MO6-1
MP6-1
MR6-1



M6-2
MK6-2
MM6-2
MO6-2
MP6-2
MR6-2



MB6-1
MG6-1
MN6-1



MB6-2
MG6-2
MN6-2

NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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 - Type H Reflective
   Message - Black

   MB6-1 and MB6-2 Background - Blue
   Message - White - Type H Reflective

   MG6-1 and MG6-2 Background - Green
   Message - White - Type H Reflective

   MK6-1 and MK6-2 Background - Green
   Message - White - Type H Reflective

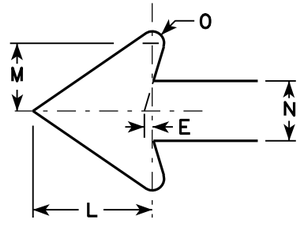
   MM6-1 and MM6-2 Background - White - Type H Reflective
   Message - Green

   MN6-1 and MN6-2 Background - Brown
   Message - White - Type H Reflective

   MO6-1 and MO6-2 Background - Orange - Type F Reflective
   Message - Black

   MP6-1 and MP6-2 Background - White - Type H Reflective
   Message - Blue

   MR6-1 and MR6-2 Background - Brown
   Message - White - Type H Reflective



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	21		1 1/8	3/8	3/8		7 1/2	7 1/8	5 5/8	5	4 1/4	5 1/4	3	2 5/8	1/2						1 1/2	1/2						3.06
3	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
4	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25
5	30		1 3/8	1/2	5/8		10 3/4	10 1/4	8	7 1/4	6	7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2						6.25

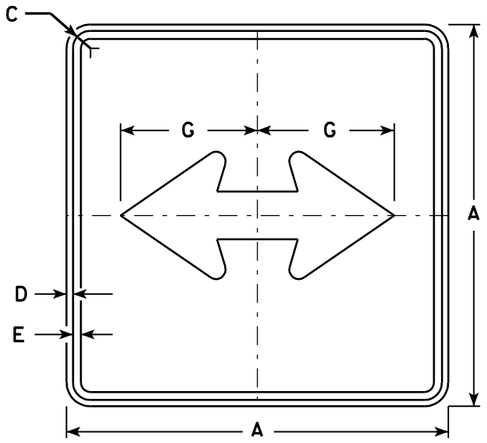
STANDARD SIGN M6-1 & M6-2 SERIES

WISCONSIN DEPT OF TRANSPORTATION

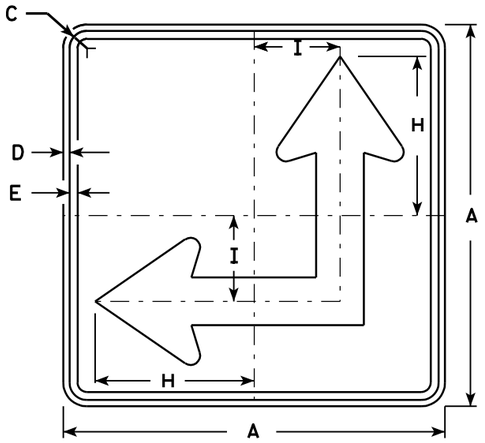
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/29/13 PLATE NO. M6-1.13

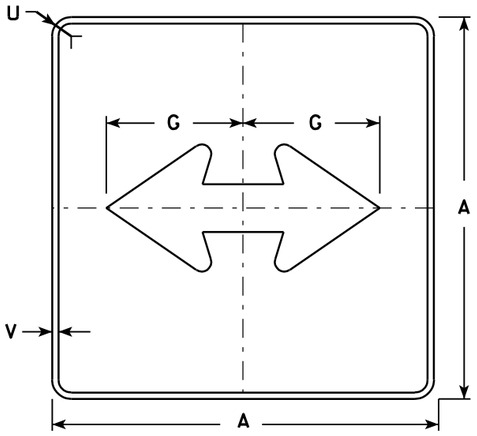
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 233 | E



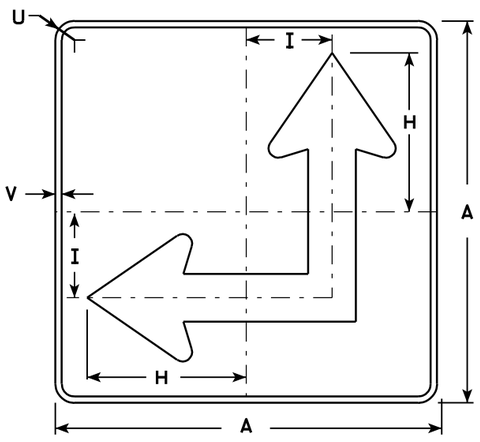
M6-4
MK6-4
MM6-4
MO6-4
MP6-4
MR6-4



M6-6
MK6-6
MM6-6
MO6-6
MP6-6
MR6-6



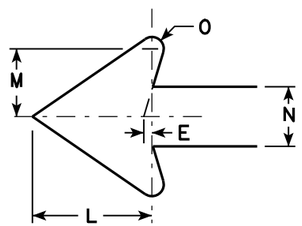
MB6-4
MG6-4
MN6-4



MB6-6
MG6-6
MN6-6

NOTES

1. Signs are Type II - See Note 4 - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
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. M6-4 and M6-6 Background - White - Type H Reflective
   Message - Black
   MB6-4 and MB6-6 Background - Blue
   Message - White - Type H Reflective
   MG6-4 and MG6-6 Background - Green
   Message - White - Type H Reflective
   MK6-4 and MK6-6 Background - Green
   Message - White - Type H Reflective
   MM6-4 and MM6-6 Background - White - Type H Reflective
   Message - Green
   MN6-4 and MN6-6 Background - Brown
   Message - White - Type H Reflective
   MO6-4 and MO6-6 Background - Orange - Type F Reflective
   Message - Black
   MP6-4 and MP6-6 Background - White - Type H Reflective
   Message - Blue
   MR6-4 and MR6-6 Background - Brown
   Message - Yellow - Type H Reflective
5. M6-6R same as M6-6L except arrow points ahead and 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 1/2	8 3/4	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	12 1/2	6 3/4			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	12 1/2	6 3/4			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	12 1/2	6 3/4			7 1/2	4 1/4	3 3/4	3/4						1 7/8	1/2					6.25

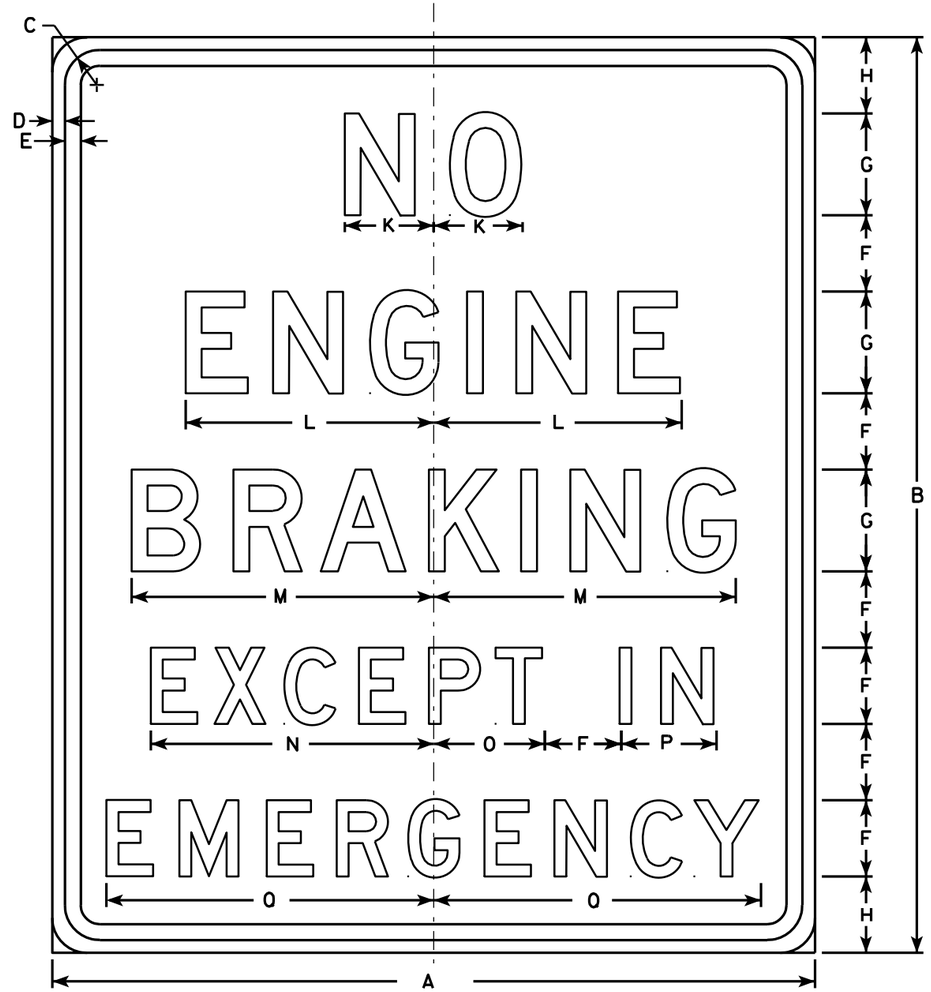
STANDARD SIGN M6-4 & M6-6 SERIES

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch for State Traffic Engineer

DATE 7/29/13 PLATE NO. M6-4.8

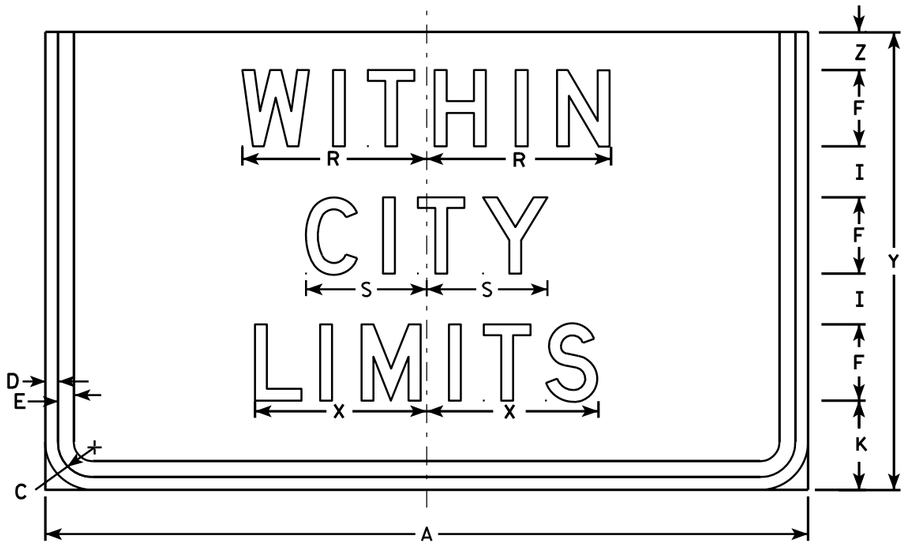
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 234 | E



R10-64

NOTES

1. Signs are 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 See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 2 of R10-64F is Series C for "TOWNSHIP" Only



R10-64F

Area sq. ft.
3.75
7.0

VILLAGE
V
V

TOWNSHIP
U
U

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	36	1 3/8	1/2	5/8	3	4	3	2		3 1/2	9 3/4	11 7/8	11 1/8	4 3/8	3 3/4	12 7/8	7 1/4	4 3/4		8 1/4	8 3/4	5/8	6 3/4	18	1 1/2	7.5
2S	30	36	1 3/8	1/2	5/8	3	4	3	2		3 1/2	9 3/4	11 7/8	11 1/8	4 3/8	3 3/4	12 7/8	7 1/4	4 3/4		8 1/4	8 3/4	5/8	6 3/4	18	1 1/2	7.5
2M	30	36	1 3/8	1/2	5/8	3	4	3	2		3 1/2	9 3/4	11 7/8	11 1/8	4 3/8	3 3/4	12 7/8	7 1/4	4 3/4		8 1/4	8 3/4	5/8	6 3/4	18	1 1/2	7.5
3	42	48	1 3/8	1/2	5/8	4	5	4 1/2	3		4	12 1/4	14 7/8	14 1/8	5 1/4	4 3/4	16 1/4	9	6		11	11 1/4	1 1/2	8 1/2	24	2	14.0
4																											
5																											

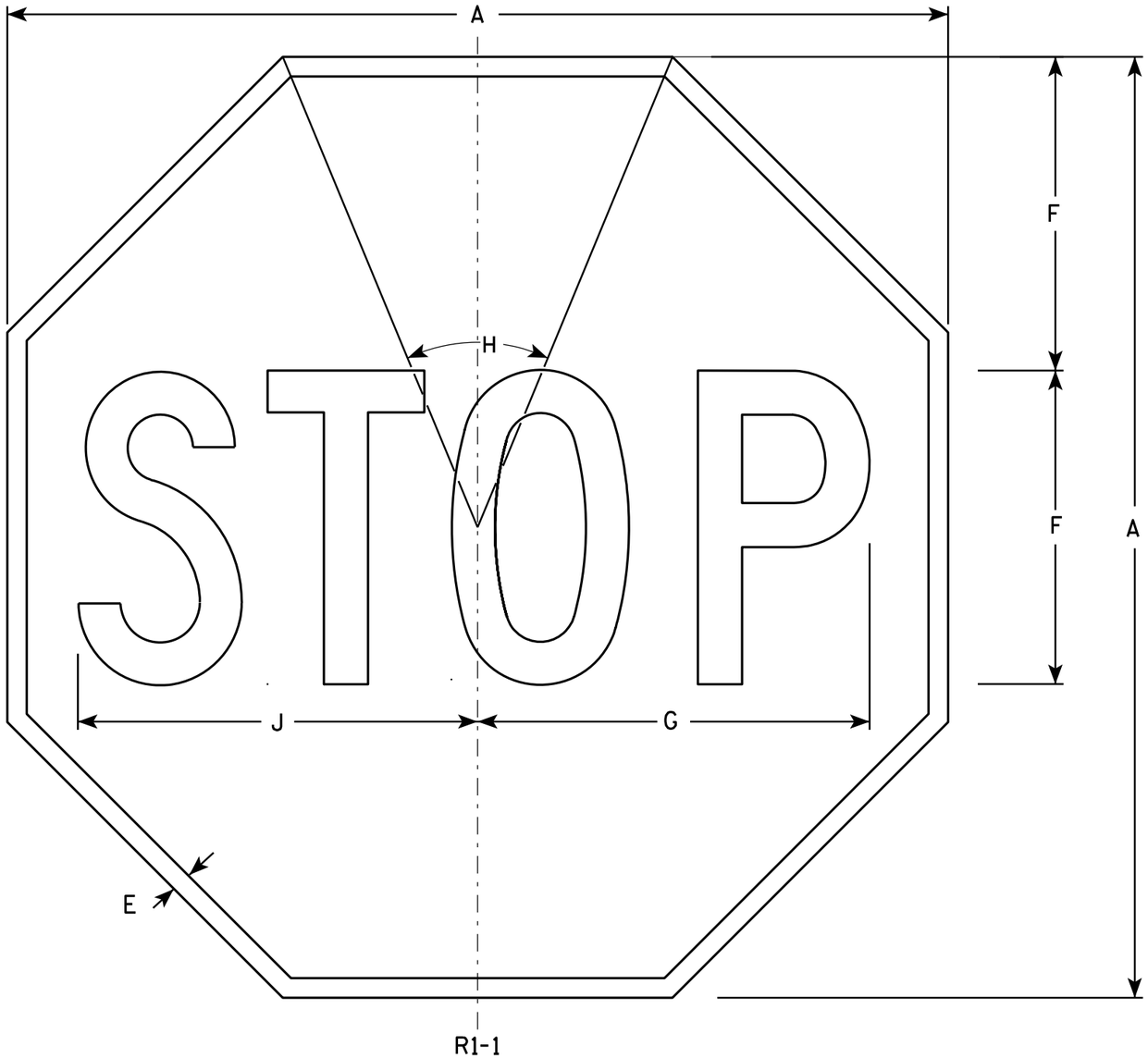
STANDARD SIGN
R10-64 & R10-64F

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/4/11 PLATE NO. R10-64.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 235	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 - Red
   Message - White
3. Message 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	24				3/8	8	10	45°		10 1/4																	3.31
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

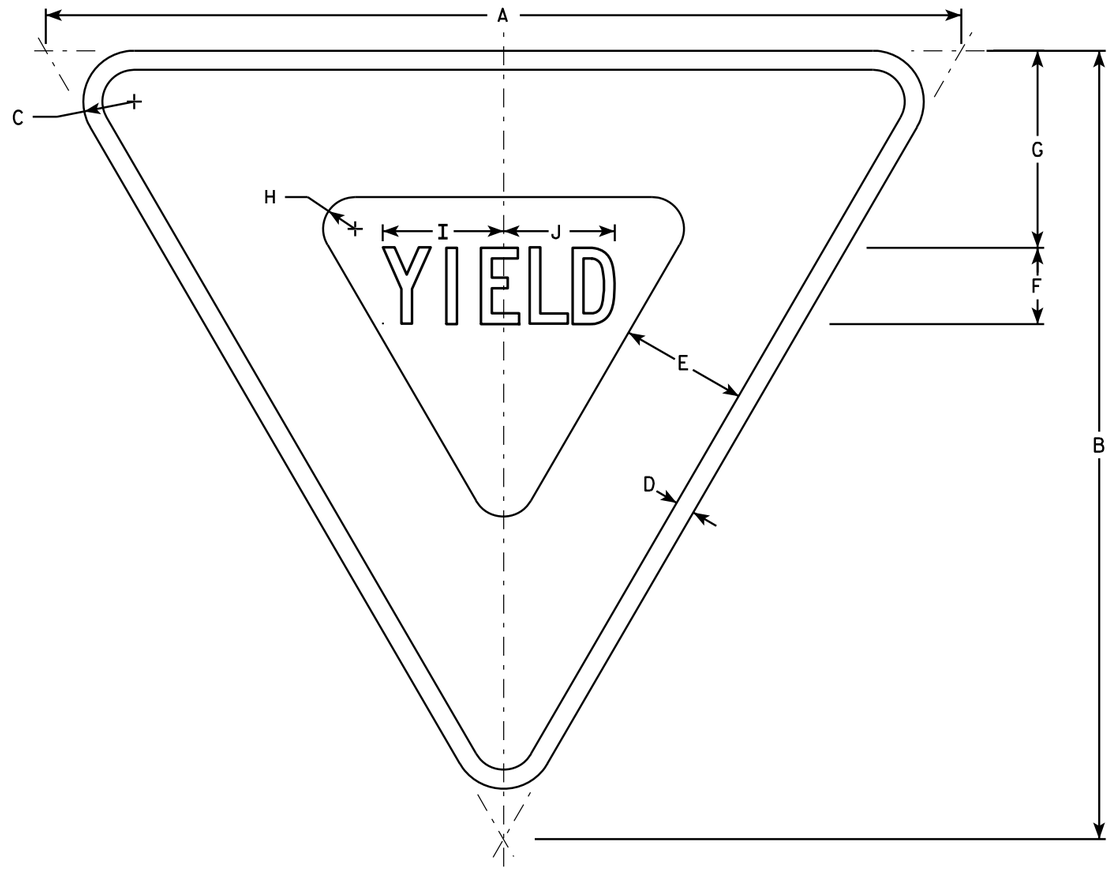
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/03/10 PLATE NO. R1-1.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 236	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6	24	21	1 1/2	3/8	3	2	4 3/4	7/8	3 1/4	3																	1.75
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

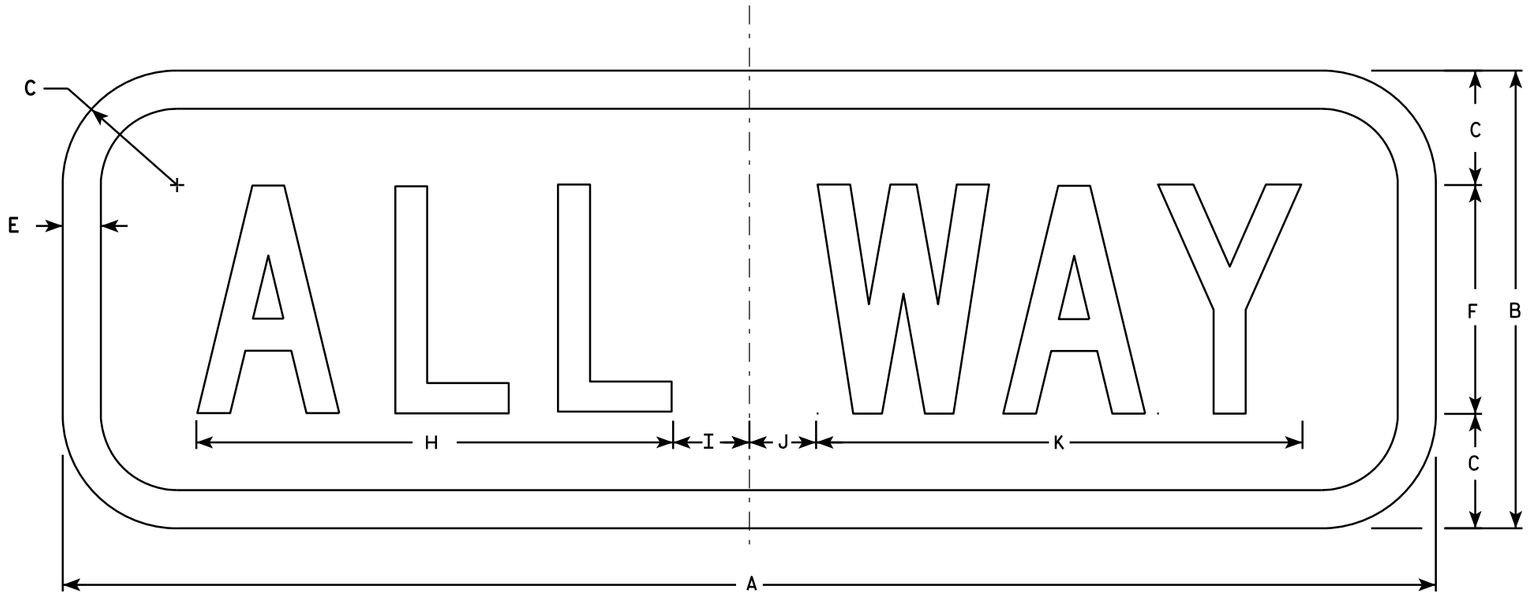
STANDARD SIGN
R1-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. R1-2.11

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 237 | E



R1-3P

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C
4. 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	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																0.75
2S	18	6	1 1/2		1/2	3		6 1/4	1 1/4	7/8	6 3/8																1.5
2M	24	9	1 1/2		1/2	5		9 1/4	1 1/4	3/4	9 3/4																1.5
3	30	12	2 1/4		5/8	6		11	2 1/4	1 1/2	11 3/4																2.5
4																											
5																											

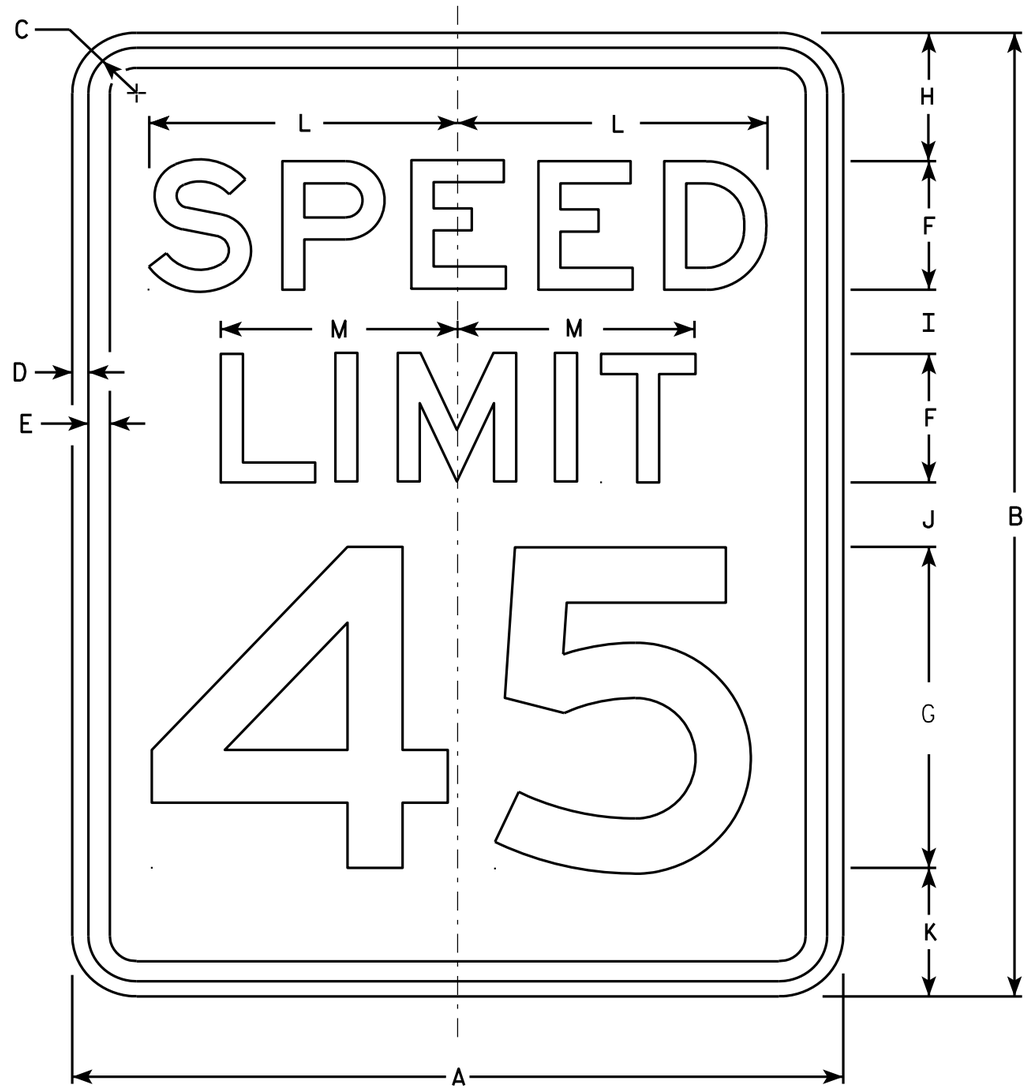
STANDARD SIGN
R1-3P

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/02/10 PLATE NO. R1-3P.1

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 238	E



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

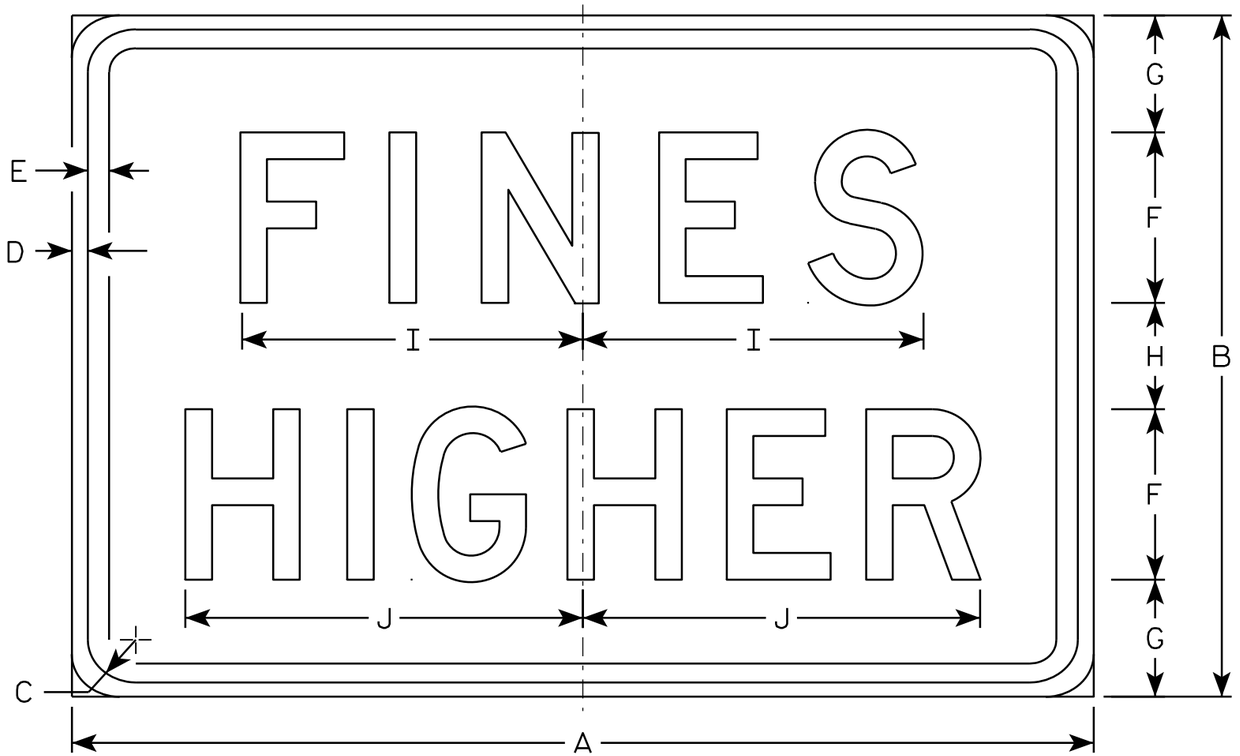
STANDARD SIGN
R2-1

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: 239 | E



R2-6P

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	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
2M	24	18	1 1/8	3/8	3/8	4	3 1/2	3	7 5/8	9 1/4																	3.0
3	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
4	36	24	1 1/8	3/8	1/2	6	4 1/8	3 3/4	12	14																	6.0
5	48	36	1 3/8	1/2	5/8	8	7	6	15 1/8	19																	12.0

STANDARD SIGN
R2-6P

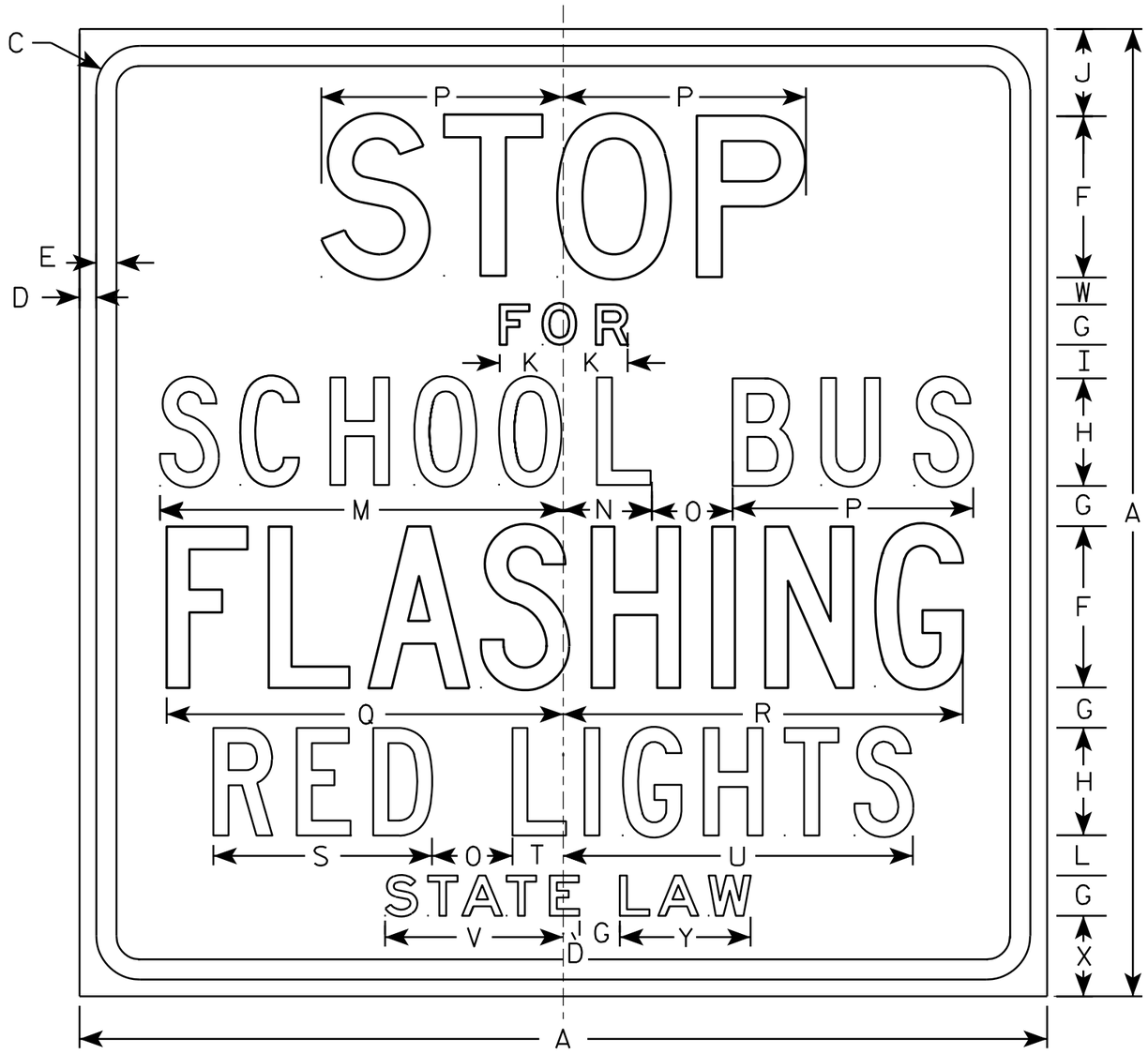
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/20/10 PLATE NO. R2-6P.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 240 | E

7



R59-51

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - See note 5
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Line 1 is Series D
   Lines 2 & 6 are Series E
   Line 3, 4 & 5 are Series C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	36		1 5/8	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
2M	36		1 5/8	5/8	3/4	6	1 1/2	4	1 1/4	3 1/4	2 3/8	1 1/2	15	3 1/4	3	9	14 3/4	14 7/8	8 1/8	1 7/8	13	6 5/8	1	3	4 7/8		9.0
3	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
4	48		2 1/4	3/4	1	8	2	6	1 1/4	4 3/4	3 1/4	1 1/2	20 1/4	5	3 5/8	12	19 1/2	20	11 5/8	3 3/4	19	9 1/2	1	3 1/2	6 3/4		16.0
5																											

STANDARD SIGN
R59-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/30/11 PLATE NO. R59-51.10

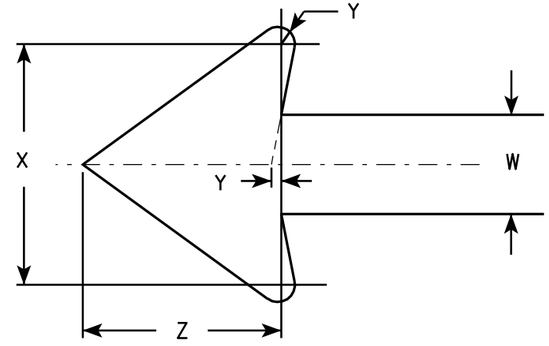
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 241 | E



R7-51

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 - Red
3. Message Series - See Note 6
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. R7-51D (double arrow)
   R7-51R (right arrow)
   R7-51L (left arrow)
6. Lines 1, 3 and 4 are Series C.
   Line 2 is Series B.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	O	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	3	1 7/8	2	7/8	5/8	1 1/2	2 1/2	2	2	4 7/8	4 7/8	4 7/8	5/8	1 3/4	2 1/2	4 3/8	3 7/8	3/4	1 3/4	1/8	1 1/2	1.5
2S	18	24	1 1/8	3/8	1/2	4	2 1/2	2 1/2	1 1/4	1	2	3 1/4	2 3/4	2 5/8	7 1/8	7	5 3/4	1 1/8	1 1/2	3 1/8	5 1/2	5 7/8	1 1/8	2 5/8	1/4	2 1/4	3.0
2M	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
3	24	30	1 1/8	3/8	1/2	5	3	3	2	1 1/4	2 1/2	4	3 1/4	3 3/8	9 1/4	9 1/4	7 1/8	1 1/4	2	3 3/4	6 1/2	7 3/4	1 1/2	3 1/2	1/4	3	5.0
4																											
5																											

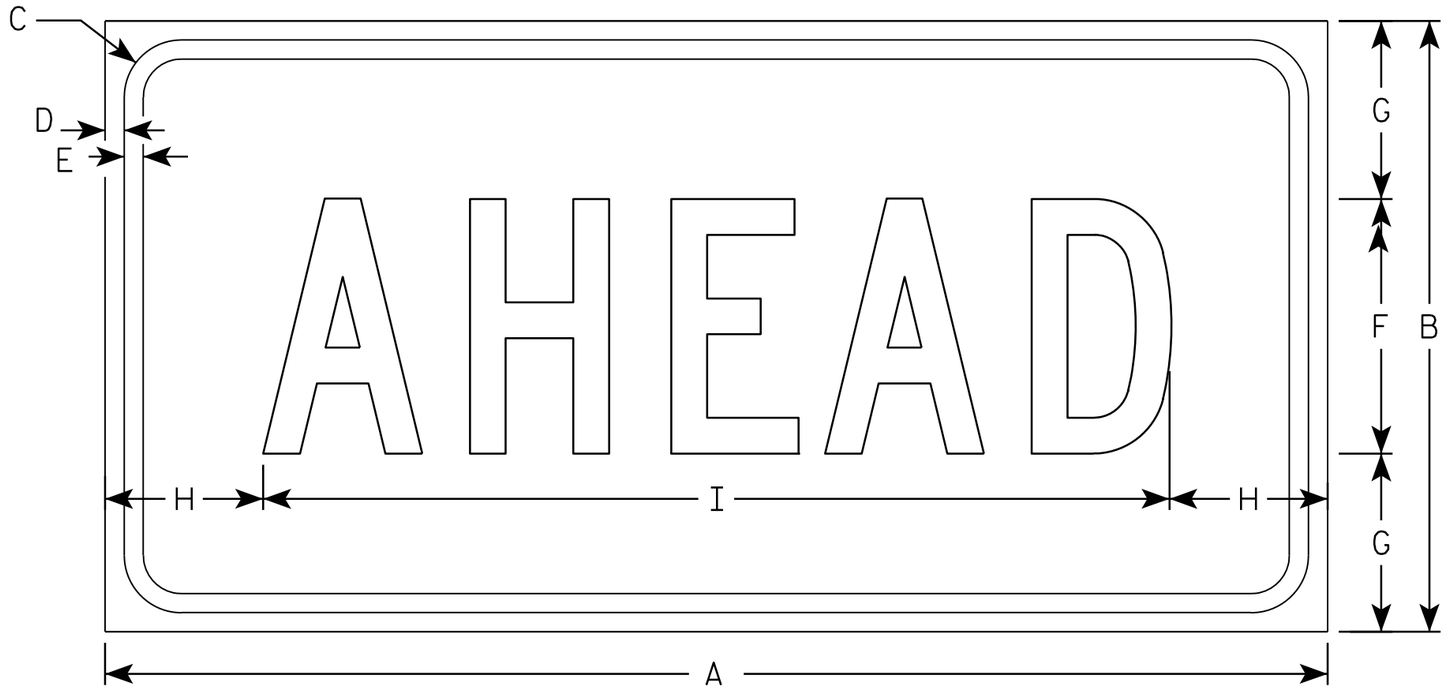
STANDARD SIGN
R7-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2011 PLATE NO. R7-51.6

PROJECT NO:	HWY:	COUNTY:			SHEET NO: 242	E



S16-9P

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-Green
   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	12	1 1/8	3/8	3/8	5	3 1/2	3 1/8	17 3/4																		2.0
2S	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
2M	30	18	1 1/8	3/8	1/2	7	5 1/2	2 3/4	24 1/2																		3.75
3	30	18	1 1/8	3/8	1/2	7	3 1/2	2 3/4	24 1/2																		3.75
4	48	24	1 3/8	1/2	5/8	10	7	6 1/8	35 3/4																		8.0
5																											

STANDARD SIGN
S16-9P

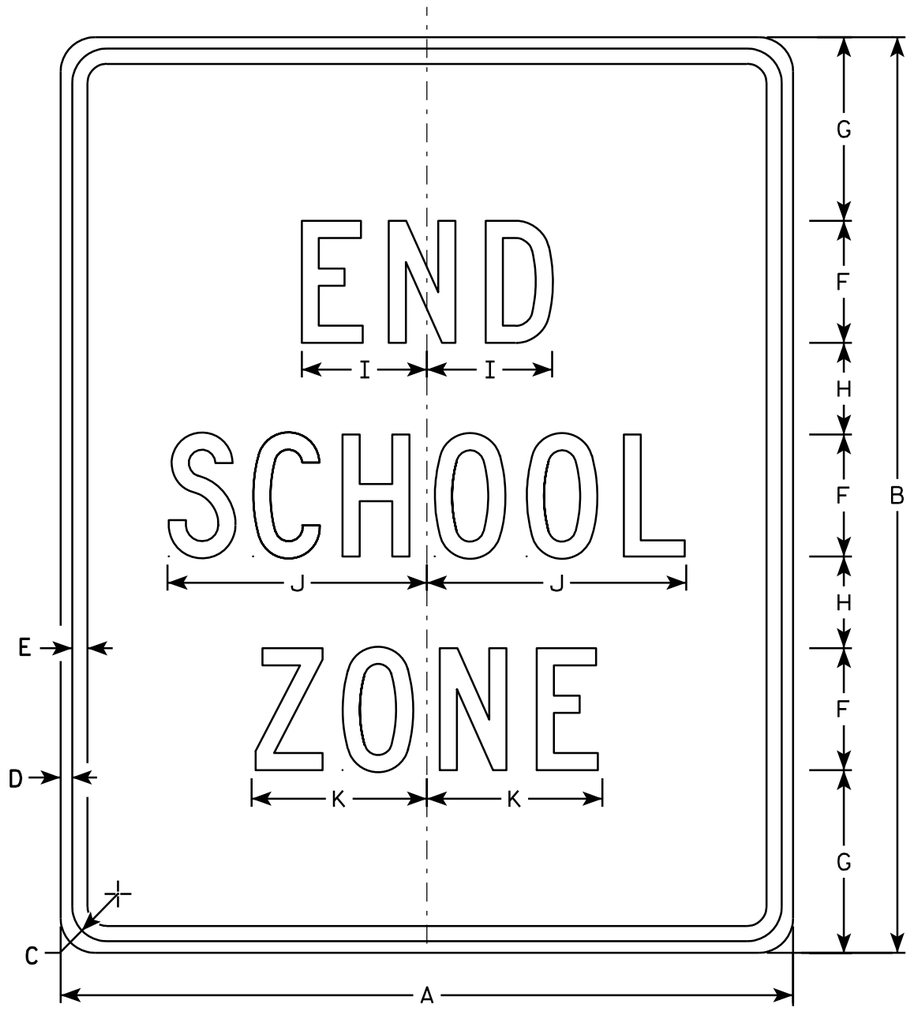
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 7/22/13 PLATE NO. S16-9P.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 243 | E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\S169P.dgn PLOT DATE : 22-JUL-2013 10:32 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : 2.977140:1.000000



S5-2

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																											
2	24	30	1 1/8	3/8	1/2	4	6	3	4 1/8	8 1/2	5 3/4																5.0
3	36	42	1 5/8	5/8	3/4	6	7	5	6 1/8	12 5/8	8 5/8																10.5
4																											
5																											

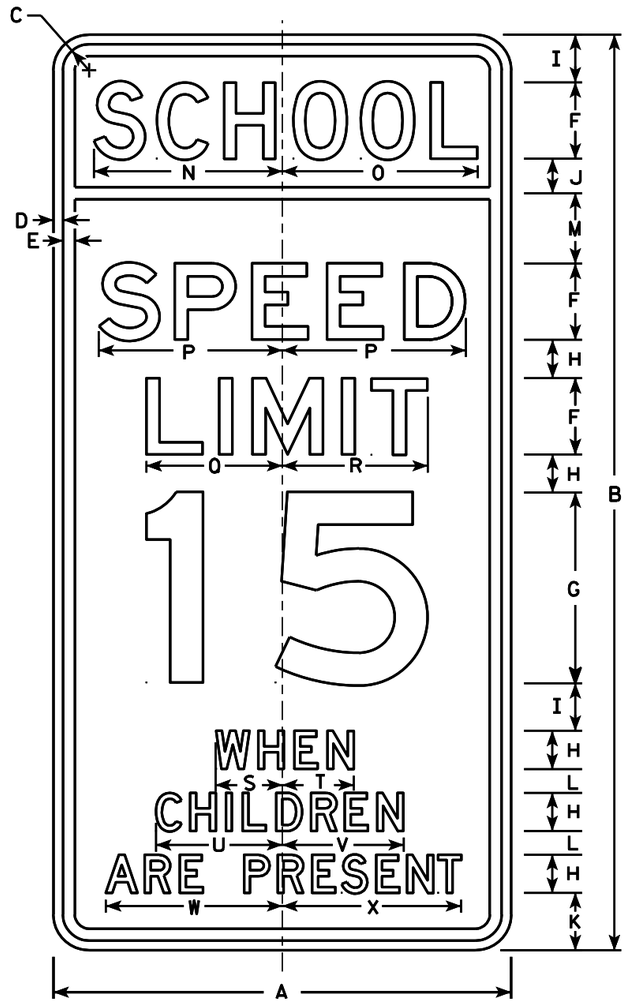
STANDARD SIGN
S5-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/8/11 PLATE NO. S5-2.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 244 | E



S4-51

NOTES

1. Sign is Type II - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition. (See note 5).
2. Color:
   Background - See note 5
   Message - Black
3. Message Series - See note 6
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. Top panel (SCHOOL) background - Yellow Green -Type F Reflective.
   Lower panel background - White -Type H Reflective.
6. From top to bottom:
   Lines 1, 5, 6 & 7 are series D
   Lines 2, 3 & 4 are series E
7. Line 4 substitute appropriate numerals and adjust spacing to achieve proper balance.

Metric equivalent for this sign is:

SIZE	
1	
2	600 mm X 1200 mm
3	900 mm X 1800 mm
4	
5	

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.	Area m2
1																												
2	24	48	1 3/8	1/2	5/8	4	10	2	2 1/2	1 3/4	3	1 1/4	3 3/4	9 7/8	10 1/4	9 5/8	7 1/8	7 5/8	3 1/2	3 3/8	6 5/8	6 3/8	9 1/4	9 3/8			8.00	0.72
3	36	72	2 1/4	3/4	1	6	15	3	3 3/4	2 3/4	4 1/2	1 7/8	5 1/2	15	15 1/4	14 1/2	11 1/4	11 1/2	5 1/2	5 3/4	10	9 3/4	14	14 1/8			18.00	1.62
4																												
5																												

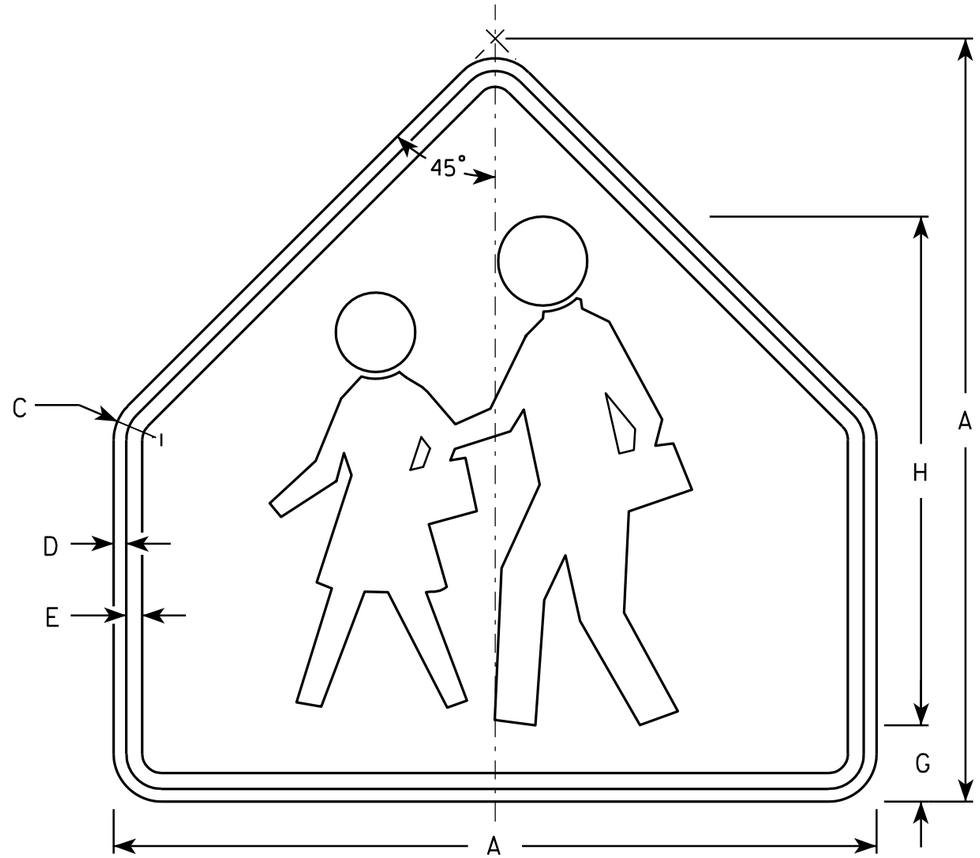
STANDARD SIGN
S4-51

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/26/10 PLATE NO. S4-51.9

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 245 | E



S1-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow-Green
   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	30		1 3/8	1/2	5/8		3	20																			4.69
2	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
3	36		1 5/8	5/8	3/4		3 1/2	24																			6.75
4	48		2 1/4	3/4	1		4 3/4	32																			12
5																											

STANDARD SIGN
S1-1

WISCONSIN DEPT OF TRANSPORTATION

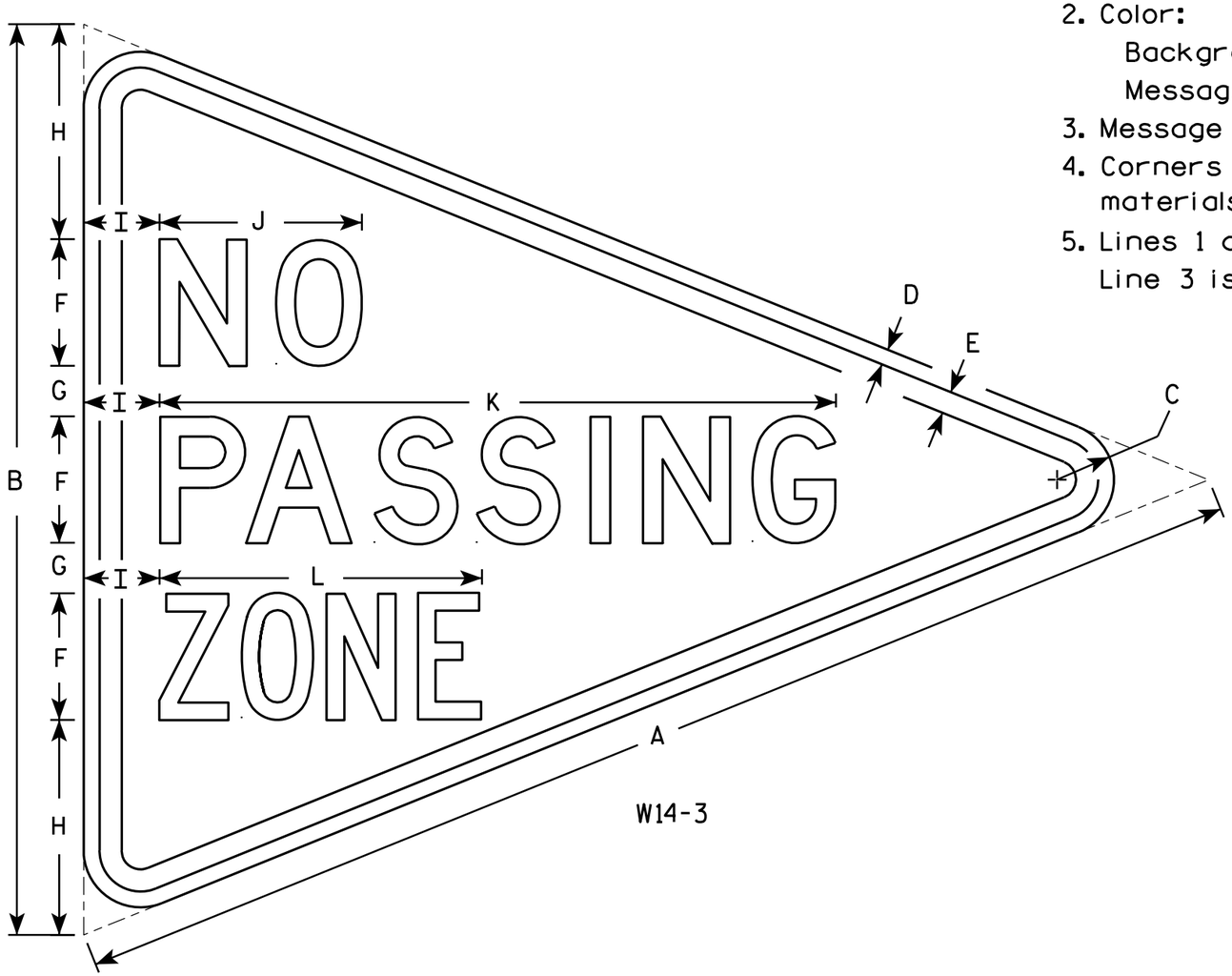
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/30/05 PLATE NO. S1-1.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 246	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 - See note 5
4. Corners and borders shall be rounded on all base materials for this sign.
5. Lines 1 and 2 are Series D.
   Line 3 is series C.



W14-3

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	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
2M	48	36	2 1/4	5/8	7/8	5	2	8 1/2	3	8	26 3/4	12 3/4															6.0
3	64	48	3	3/4	1 1/4	6	3	12	4	10 3/4	33 5/8	16 1/2															10.7
4																											
5																											

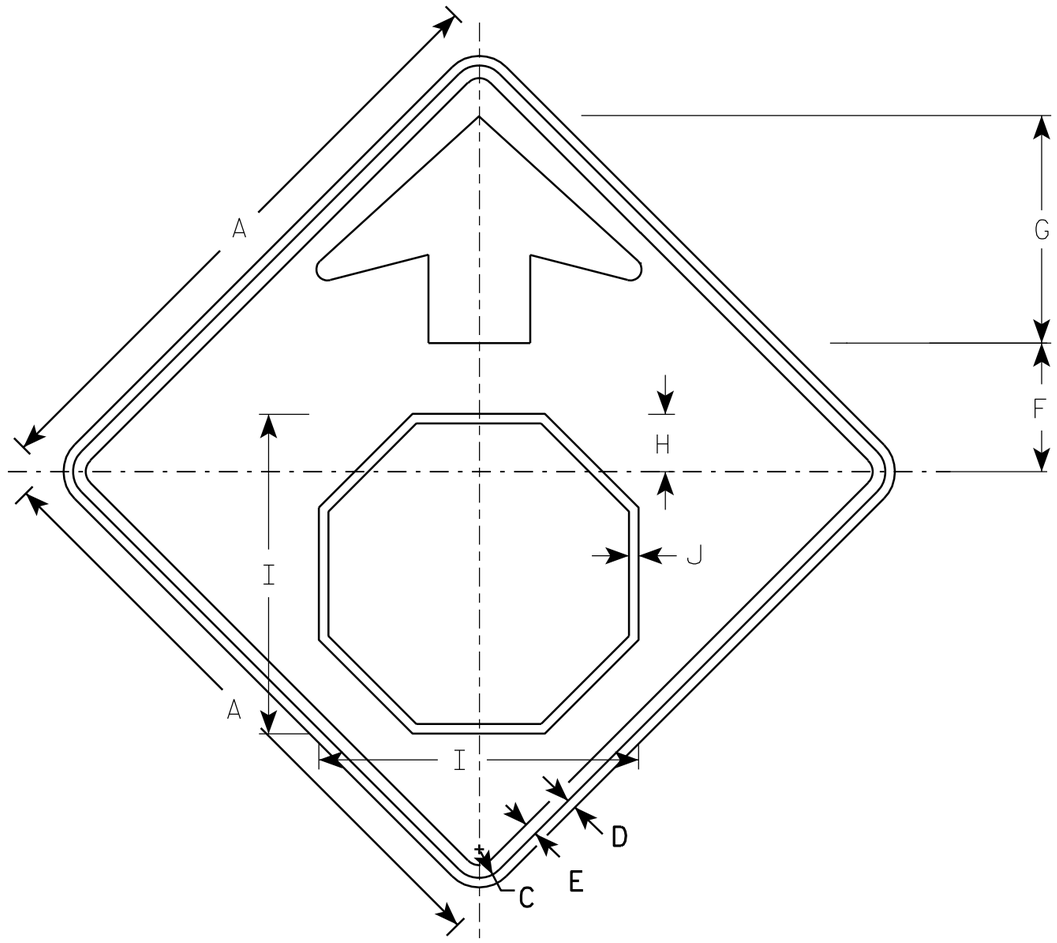
STANDARD SIGN
W14-3

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W14-3.9

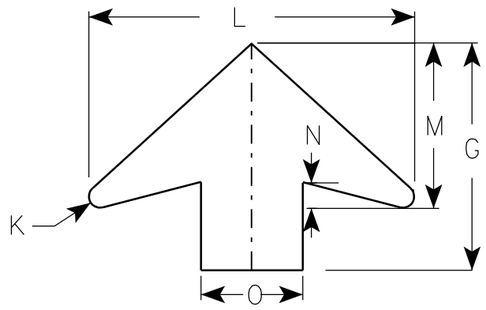
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 247	E



W3-1

NOTES

1. All Signs Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - YELLOW
   Arrow & Border - BLACK
   Stop Symbol - WHITE BORDER ON RED BACKGROUND



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30		1 3/8	1/2	5/8	6 1/4	11 1/4	2 7/8	15 3/4	1/2	1/2	16	8	1 1/4	5												6.25
2S	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
2M	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
3	36		1 5/8	5/8	3/4	7 1/2	13 1/2	3 1/2	19	5/8	5/8	19 1/4	9 3/4	1 5/8	6												9.0
4	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0
5	48		2 1/4	3/4	1	10	17 7/8	4 1/2	25 1/8	3/4	7/8	25 5/8	13	2	8												16.0

STANDARD SIGN
W3-1

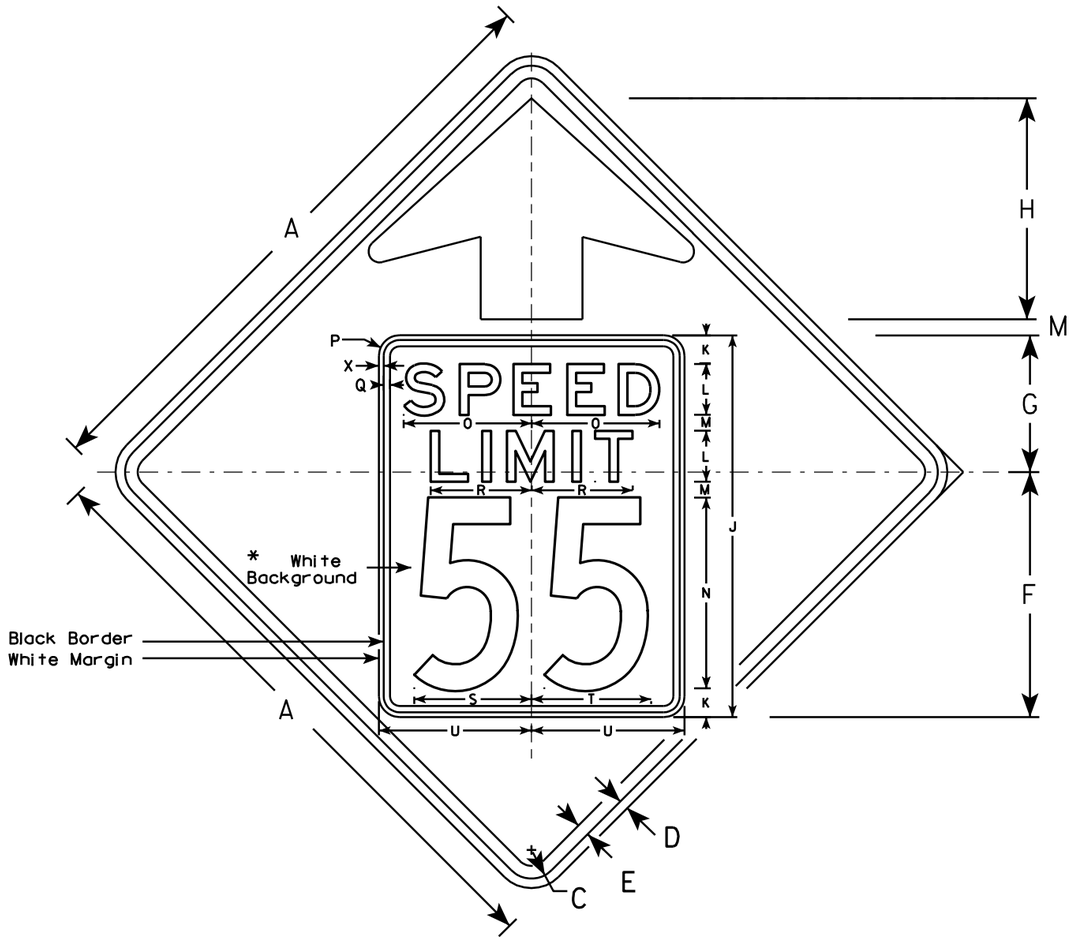
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/7/10 PLATE NO. W3-1.12

PROJECT NO:

SHEET NO: 248 E

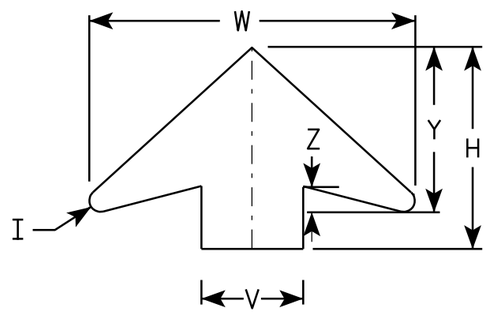


W3-5

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color: *
   Background - YELLOW*
   Message - BLACK
3. Message Series - C for numbers Series E for wording
4. Substitute appropriate numerals and optically adjust spacing to achieve proper balance

*Speed Limit Sign shall have a White Background



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	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
2M	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
3	36		1 5/8	5/8	3/4	14 1/2	9 1/2	11 1/2	5/8	24	2	3	1	12	7 1/8	1 1/2	3/8	5 3/4	7 1/4	7 1/8	9	6	19 1/4	3/8	9 3/4	1 5/8	9.0
4	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0
5	48		2 1/4	3/4	1	19 1/4	10 3/4	17 3/8	7/8	30	2 1/4	4	1 1/4	15	10	1 5/8	1/2	8	9 1/4	9 3/8	12	8	25 5/8	3/8	13	2	16.0

STANDARD SIGN
W3-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

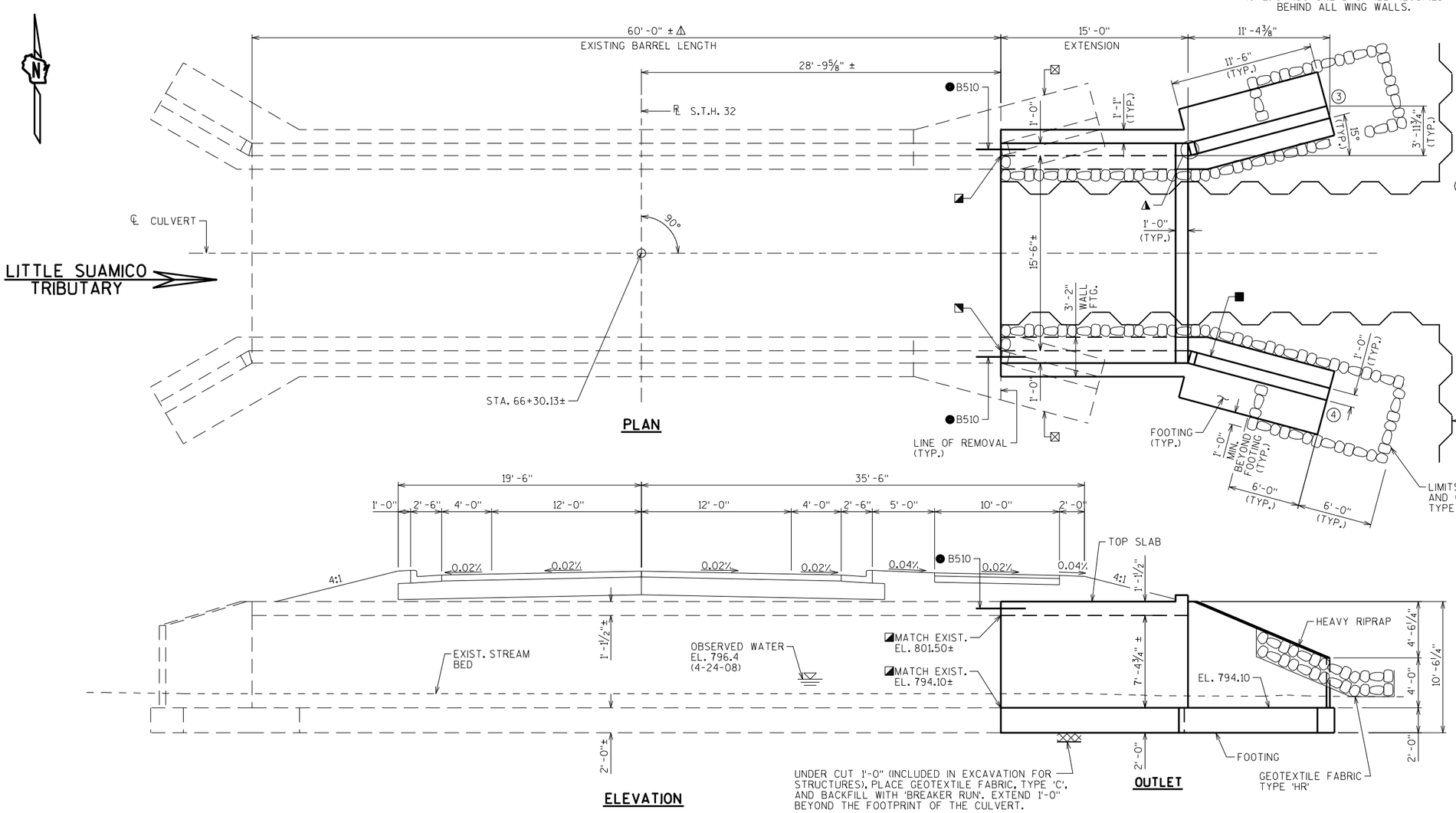
DATE 5/29/12 PLATE NO. W3-5.5

PROJECT NO:

SHEET NO: 249 E

NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

STATE PROJECT NUMBER
9190-13-71



LIST OF DRAWINGS

1. LAYOUT
2. EXTENSION DETAILS
3. WINGWALL DETAILS
4. SUBSURFACE EXPLORATION

STRUCTURE DESIGN CONTACT:

NICK RICE (608) 266-5092
DAVE KIEKBUSCH (608) 266-5084

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.05
OPERATING RATING FACTOR: RF=1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 (KIPS)

EARTHLOAD: DESIGNED FOR 2.0 FT. - 3.0 FT. OF FILL.

ULTIMATE DESIGN STRESSES:

CONCRETE MASONRY, GRADE A-FA ——— f'_c = 3500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT — f_y = 60000 P.S.I.

TRAFFIC VOLUME

STH 32
A.D.T. = 9300 (2032)
R.D.S. = 40 M.P.H.

TOTAL ESTIMATED QUANTITIES

BID ITEMS

203.0200	REMOVING OLD STRUCTURE STA. 66+30	1	LS
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-58-15	1	LS
206.5000	COFFERDAMS C-58-15	1	LS
210.0100	BACKFILL STRUCTURE	255	CY
311.0115	BREAKER RUN	12	CY
502.6105	MASONRY ANCHORS TYPE S 5/8-INCH	27	EACH
504.0100	CONCRETE MASONRY CULVERTS	41	CY
505.0410	BAR STEEL REINFORCEMENT HS CULVERTS	2900	LB
505.0610	BAR STEEL REINFORCEMENT HS COATED CULVERTS	1075	LB
509.1500	CONCRETE SURFACE REPAIR	20	SF
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	7	SY
606.0300	RIPRAP HEAVY	20	CY
645.0105	GEOTEXTILE FABRIC TYPE C	50	SY
645.0120	GEOTEXTILE FABRIC TYPE HR	70	SY

NON-BID ITEMS

FILLER	3/4"	SIZE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES SHALL BE THE EXISTING GROUNDLINE.

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE TOP OF THE BOX WITHIN THE LENGTH OF THE CULVERT.

PLACE A 18" (MIN.) WIDE SHEET OF 'RUBBERIZED MEMBRANE WATERPROOFING' ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

REMOVE ANY/ALL LOOSE CONCRETE AT THE CONSTRUCTION JOINTS BETWEEN THE ORIGINAL STRUCTURE & THE FIRST EXTENSION UNDER THE BID ITEM "CONCRETE SURFACE REPAIR". SURFACES SHALL BE BLAST CLEANED AND ANY EXPOSED STEEL REINFORCEMENT SHALL BE BRUSHED CLEAN PRIOR TO THE CONCRETE SURFACE REPAIRS BEING COMPLETED. REPAIR AREAS SHALL BE DETERMINED BY THE FIELD ENGINEER.

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT
BUREAU OF STRUCTURES
ACCEPTED William C. Dreher DJK 9/20/13
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-58-15

STH 32 OVER LITTLE SUAMICO TRIBUTARY

COUNTY	TOWN/~~CITY/VILLAGE~~
SHAWANO	ANGELICA/CHASE

DESIGN SPEC. AASHTO LRFD DESIGN SPEC.

DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
NAR		NAR	DFD

LAYOUT

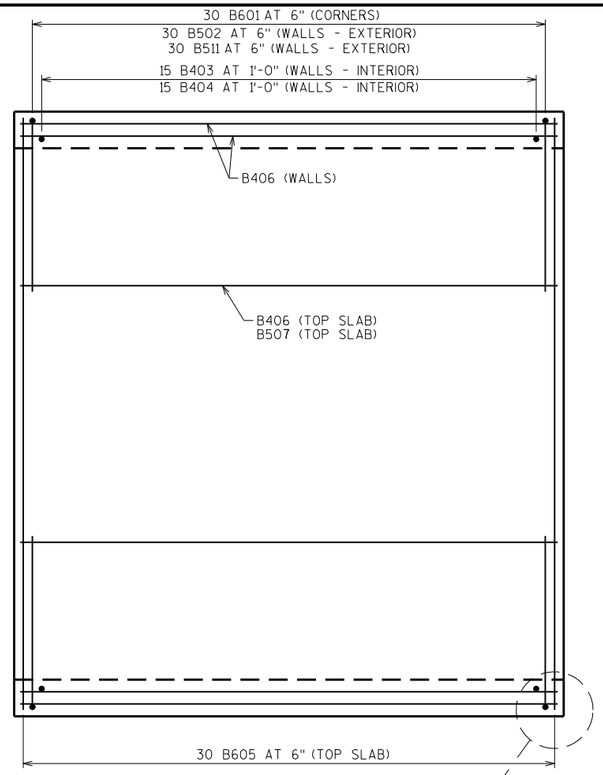
SHEET 1 OF 4

250

I.D. 9190-13-00

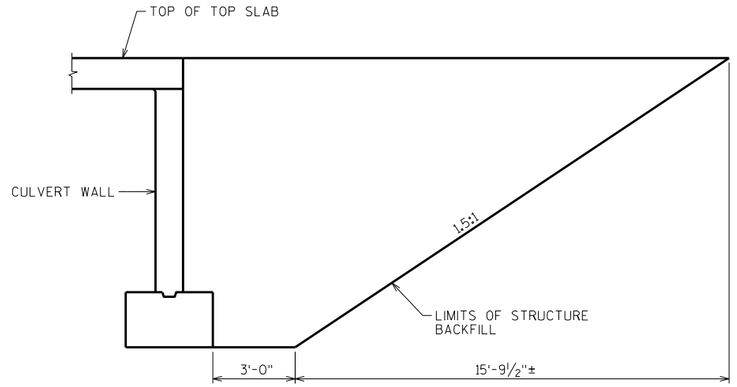
DATE: APR. 2013

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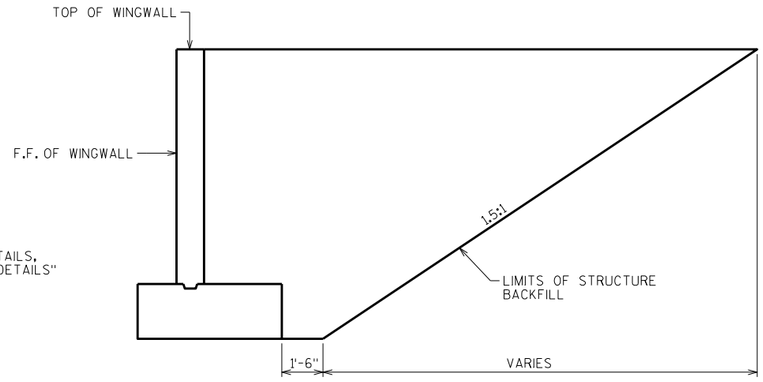
PLAN VIEW OF PANEL

HEADER & FOOTING NOT SHOWN FOR CLARITY
SEE "WINGWALL DETAILS" SHT. FOR FOOTING PLAN



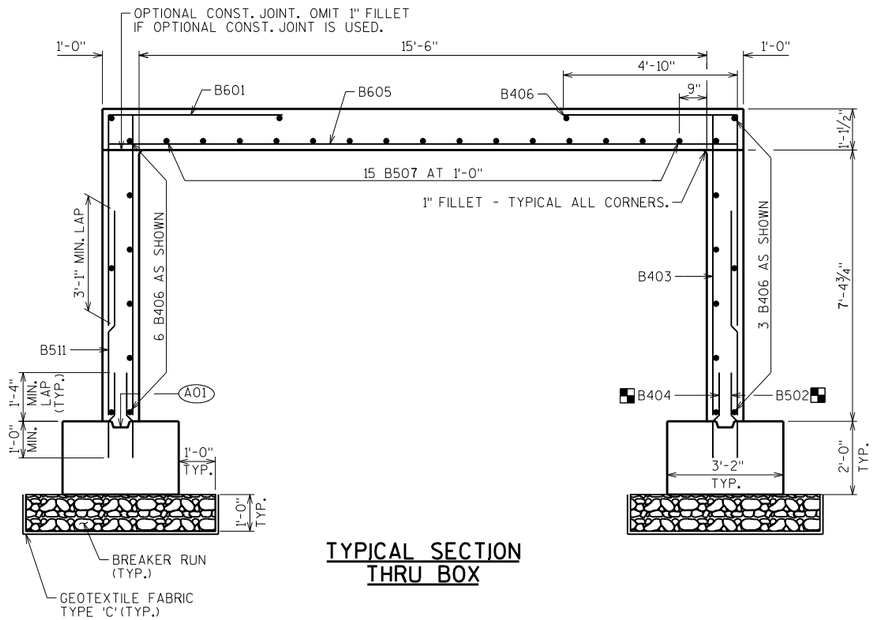
STRUCTURE BACKFILL DETAIL AT BOX

(SHOWING STRUCTURE BACKFILL LIMITS)



STRUCTURE BACKFILL DETAIL AT WINGWALLS

(SHOWING STRUCTURE BACKFILL LIMITS



TYPICAL SECTION THRU BOX

A01 CONSTRUCTION JOINT: KEYWAY FORMED BY A BEVELED 2 x 6.

● CONCRETE MASONRY ANCHORS, TYPE S (EPOXY ANCHORED), ⅝-INCH, WITH AN EMBEDMENT OF 6", A MIN. PULL-OUT CAPACITY OF 6 KIPS, AND A MIN. ADHESIVE BOND STRESS OF 1290 PSI. SPACE AT 1'-0" CENTERS. (TYP. IN WALLS AND TOP SLAB)

■ BARS MAY BE PLACED AFTER CONCRETE IS POURED BUT BEFORE INITIAL SET HAS TAKEN PLACE. (EMBED 1'-0" INTO CONC.)

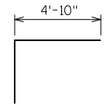
STATE PROJECT NUMBER

9190-13-71

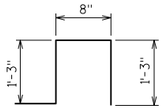
BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

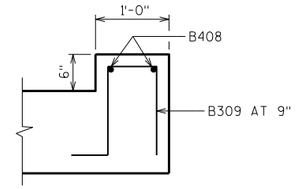
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B601	X	60	10'-5"	X		TOP CORNERS
B502		60	2'-4"			WALLS - DOWELS - VERT.
B403		30	8'-4"			WALLS - VERT.
B404		30	2'-4"			WALL - DOWELS - VERT.
B605		30	17'-2"			TOP SLAB - TRANS.
B406		20	14'-8"			WALLS & TOP SLAB - LONGIT.
B507		15	14'-8"			TOP SLAB - LONGIT.
B408		2	17'-2"			HEADERS - HORIZ.
B309		24	3'-6"	X		HEADERS - STIRRUPS - VERT.
B510		27	2'-6"			VERT. CONST. JT.
B511		60	5'-9"			WALLS - VERT.



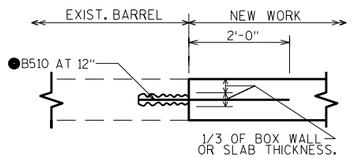
B601



B309



SECTION THRU TOP HEADER



VERTICAL CONSTRUCTION JOINT

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-58-15

DRAWN BY NAR | PLANS CK'D. DFD

BOX DETAILS

SHEET 2

251

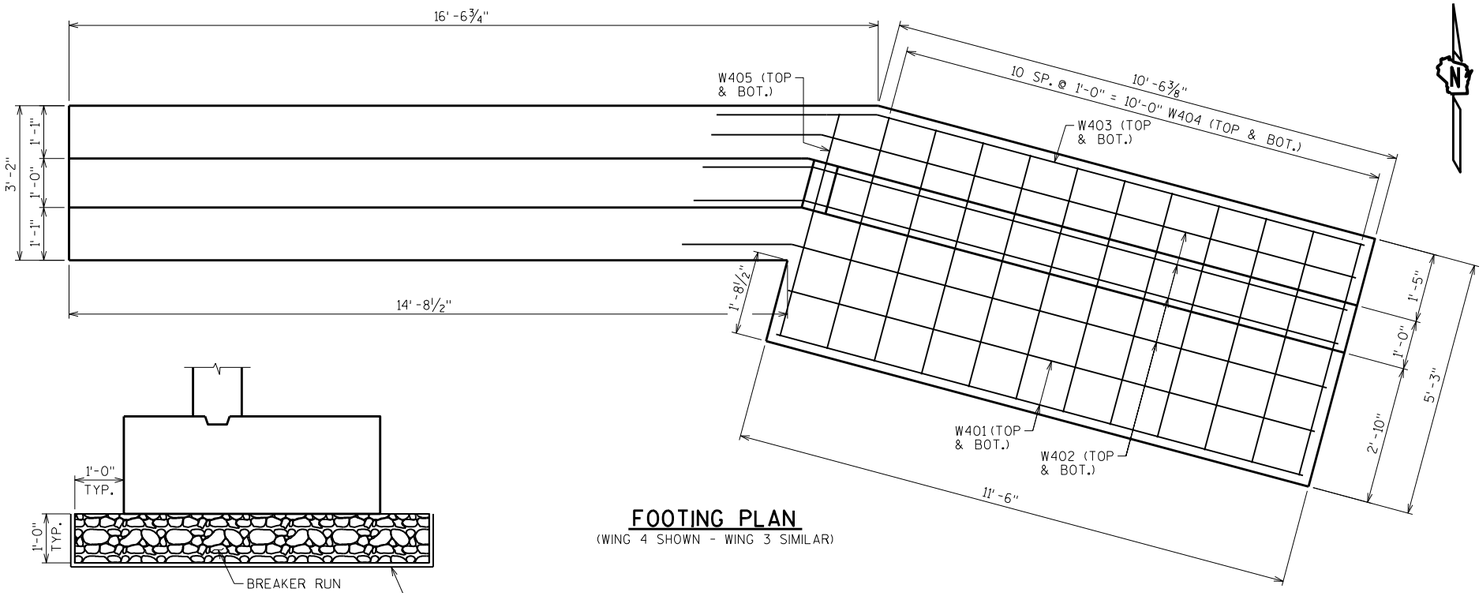
SCALE = 2

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8

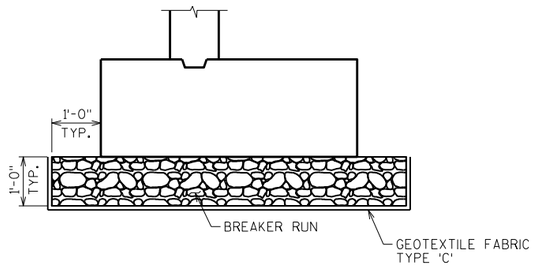
STATE PROJECT NUMBER

9190-13-71



FOOTING PLAN

(WING 4 SHOWN - WING 3 SIMILAR)



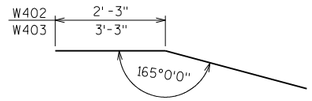
BREAKER RUN DETAIL

BILL OF BARS

NOTE: THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
W401		8	11'-2"			FOOTING - LONGIT. - TOP & BOT
W402		16	13'-7"	X		FOOTING - LONGIT. - TOP & BOT
W403		4	13'-7"	X		FOOTING - LONGIT. - TOP & BOT
W404		44	4'-11"			FOOTING - TRANS. - TOP & BOT.
W405		4	4'-8"			FOOTING - TRANS - TOP & BOT.
⚠ W406		18	6'-2"		X	WALL - VERT. - F.F.
W407	X	18	2'-1"			WALL - DOWEL - F.F.
⚠ W508		32	6'-2"		X	WALL - VERT. - B.F.
W509	X	32	3'-3"			WALL - DOWEL - B.F.
W510		4	11'-9"			WALL - HORIZ. - BOTH FACES
W411		12	11'-2"			WALL - HORIZ. - BOTH FACES
⚠ W412		8	6'-8"		X	WALL - HORIZ. - BOTH FACES

⚠ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

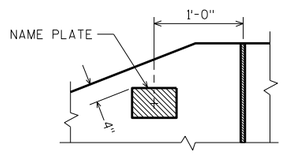


W402, W403

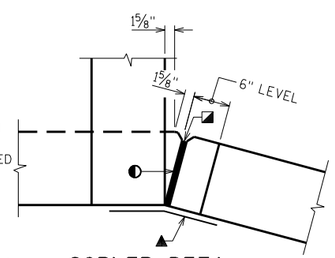
BAR SERIES TABLE

MARK	NO. REQD.	LENGTH
W406	2 SERIES OF 9	3'-11" TO 8'-4"
W508	2 SERIES OF 16	3'-11" TO 8'-4"
W412	4 SERIES OF 2	4'-10" TO 8'-5"

BUNDLE AND TAG EACH SERIES SEPARATELY.



NAME PLATE LOCATION WING 4



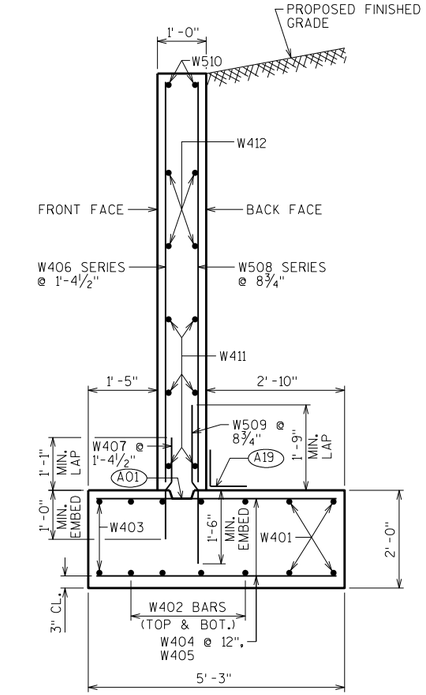
◐ ¾" FILLER TYPICAL. EXTEND FILLER FROM TOP OF FOOTING TO TOP OF WING. INCLUDED IN WING LENGTH.

◪ 1" BEVEL TYPICAL

▲ 18" RUBBERIZED MEMBRANE WATER-PROOFING. EXTEND FROM TOP OF FOOTING TO TOP OF WALL.

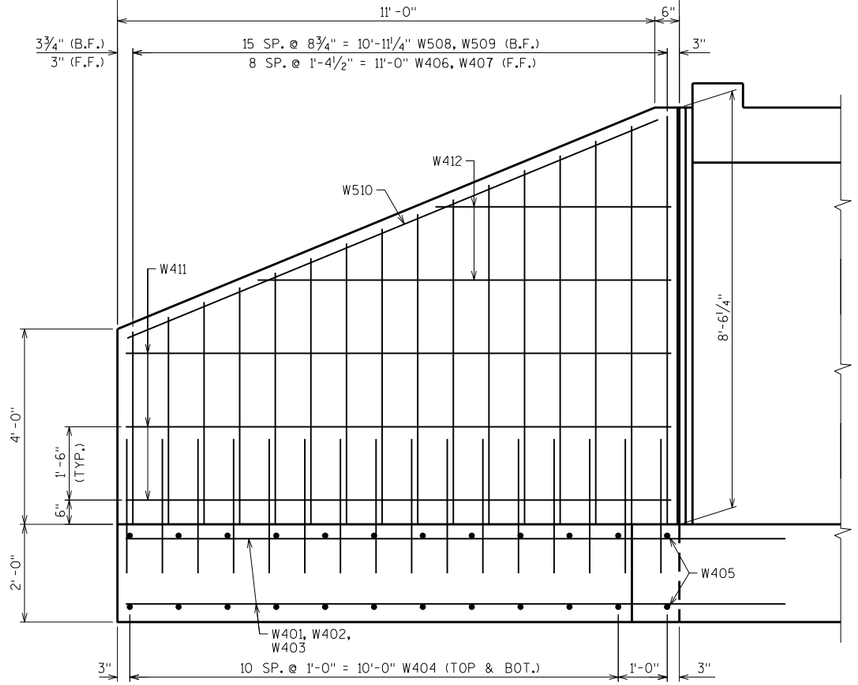
CORNER DETAIL

(TYP. BOTH WINGS)



TYPICAL WALL SECTION

HORIZONTAL BARS IN WALL STEM NOT LABELED ARE W411 BARS



TYPICAL ELEVATION

(WING 4 SHOWN - WING 3 SIMILAR)
(LOOKING AT F.F. OF WALL, SHOWING B.F. REINFORCEMENT)

(A01) CONSTRUCTION JOINT: KEYWAY FORMED BY A BEVELED 2 x 6.

(A19) 18" (RMW) RUBBERIZED MEMBRANE WATERPROOFING SEAL ALL HORIZ. & VERT. JOINTS AT BACKFACE.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-58-15

DRAWN BY NAR | PLANS CK'D. DFD

WINGWALL DETAILS

SHEET 3

252

SCALE = 1.5

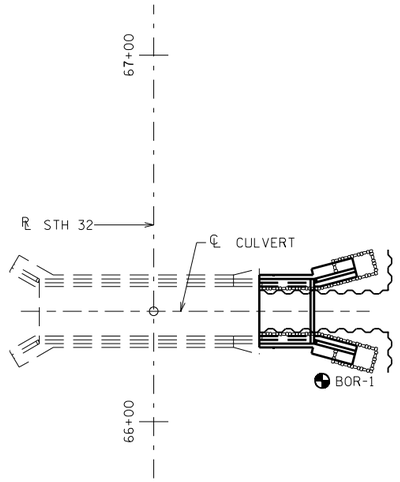
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8

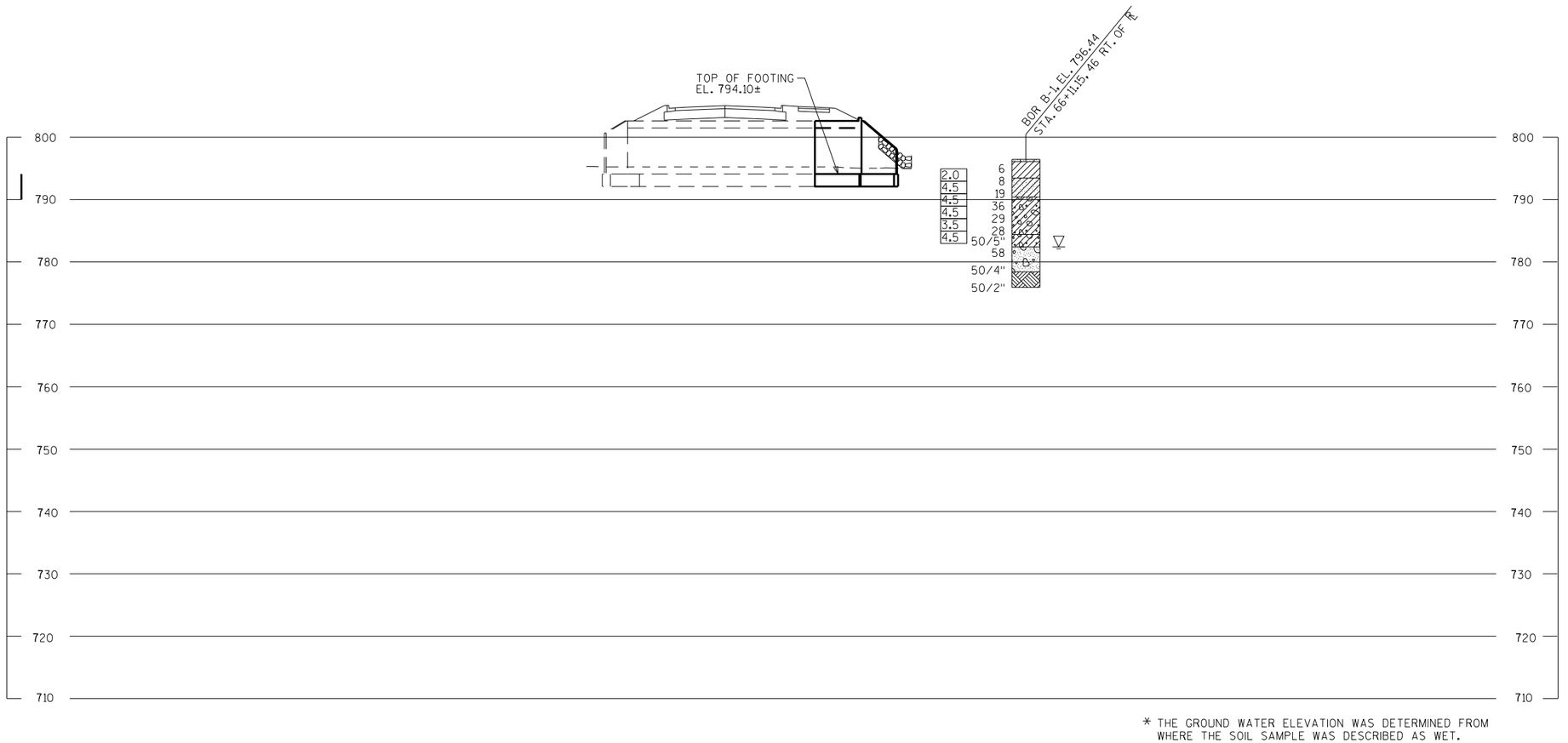
VILLAGE OF PULASKI
GRAEN BAY ST. - S. CHASE ROAD

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	2/6/2013	235170.2661	955438.2872

BORINGS COMPLETED BY: RVT
REPORT COMPLETED BY: WISDOT
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SHAWANO COUNTY







* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

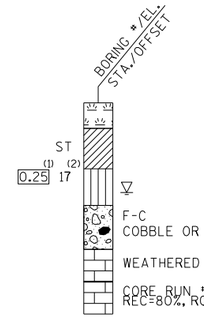
STATE PROJECT NUMBER

9190-13-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- AT TIME OF DRILLING
- END OF DRILLING
- AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-58-15

DRAWN BY PR/NAR | PLANS CK'D. DFD

SUBSURFACE EXPLORATION

SHEET 4

253

SCALE = 10

8

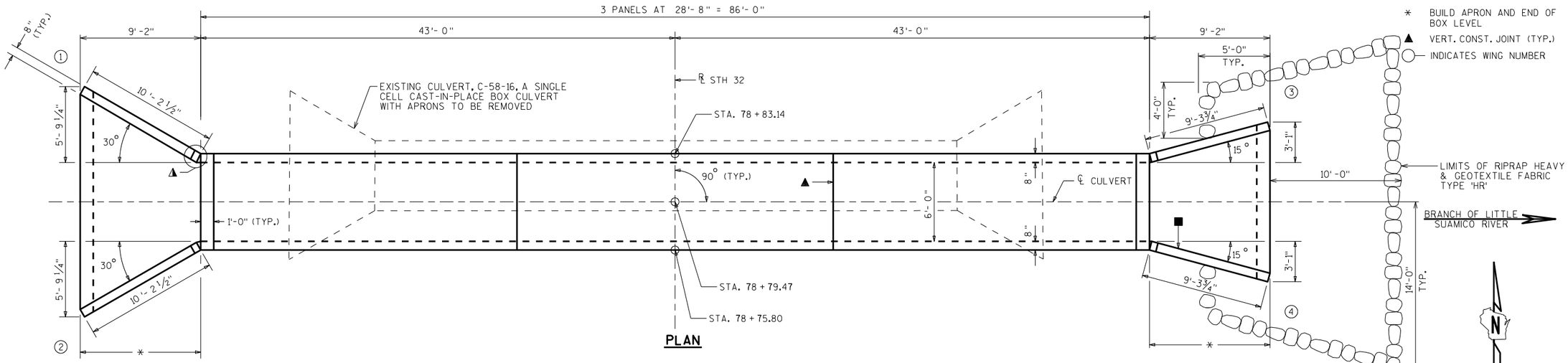
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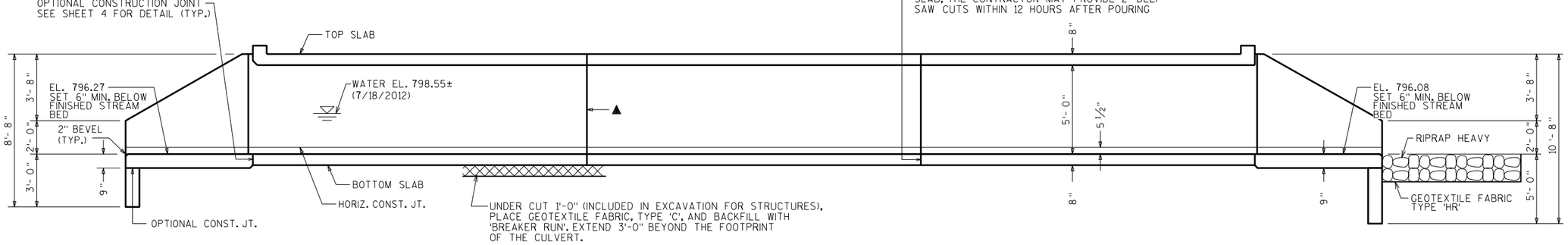
NOTE: STRUCTURE BACKFILL REQUIRED BEHIND ALL WING WALLS.

STATE PROJECT NUMBER

9190-13-71

◭ SEE CORNER DETAILS (SEE SHT 4)
■ NAME PLATE LOCATION (SEE SHT 4
* BUILD APRON AND END OF BOX LEVEL
▲ VERT. CONST. JOINT (TYP.)
INDICATES WING NUMBER





INLET ELEVATION OUTLET

LIST OF DRAWINGS

1. LAYOUT
2. BOX DETAILS
3. APRON DETAILS
4. DETAILS
5. SUBSURFACE EXPLORATION

DESIGN DATA

LIVE LOAD:

DESIGN LOADING; HL-93
INVENTORY RATING FACTOR: RF=1.05
OPERATING RATING FACTOR: RF=1.35
WISCONSIN STANDARD PERMIT VEHICLE (WIS.-SPV): 255 (KIPS)

EARTHLOAD: DESIGNED FOR 3.0 FT. OF FILL.

ULTIMATE DESIGN STRESSES:
CONCRETE MASONRY, GRADE A-FA — f'_c = 3500 P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT — f_y = 60000 P.S.I.

TRAFFIC VOLUME

STH 32
A.D.T. = 9300 (2032)
R.D.S. = 60 M.P.H.

HYDRAULIC DATA

100 YEAR FREQUENCY
Q_{100} = 220 C.F.S.
VEL. = 9.4 F.P.S.
HW. = EL. 803.14
DRAINAGE AREA = 1.12 SQ. MI.
OVERTOPPING RDWY. = N.A.
SCOUR CRITICAL CODE = 8

2 YEAR FREQUENCY
Q_2 = 56 C.F.S.
HW. = EL. 800.39

TOTAL ESTIMATED QUANTITIES

BID ITEMS

203.0200	REMOVING OLD STRUCTURE STA. 78+81.24	1	LS
206.2000	EXCAVATION FOR STRUCTURES CULVERTS C-58-30	1	LS
210.0100	BACKFILL STRUCTURE	435	CY
311.0115	BREAKER RUN	53	CY
504.0100	CONCRETE MASONRY CULVERTS	66	CY
505.0410	BAR STEEL REINFORCEMENT HS CULVERTS	9370	LB
505.0610	BAR STEEL REINFORCEMENT HS COATED CULVERTS	540	LB
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	17	SY
606.0300	RIPRAP HEAVY	22	CY
645.0105	GEOTEXTILE FABRIC TYPE C	185	SY
645.0120	GEOTEXTILE FABRIC TYPE HR	55	SY

NON-BID ITEMS

FILLER	3/4"	SIZE

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES SHALL BE THE EXISTING GROUNDLINE.

ALL SPACES EXCAVATED AND NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL TO THE TOP OF THE BOX WITHIN THE LENGTH OF THE CULVERT.

THE CONCRETE IN THE CUTOFF WALLS MAY BE PLACED UNDERWATER IF THE EXCAVATION CANNOT BE DEWATERED.

PLACE A 18" (MIN.) WIDE SHEET OF 'RUBBERIZED MEMBRANE WATERPROOFING' ON TOP SLAB OVER ALL CONSTRUCTION JOINTS AND EXTEND DOWN TO BOTTOM OF OUTSIDE WALLS.

THE CONTRACTOR MAY FURNISH A PRECAST CONCRETE BOX CULVERT IN LIEU OF THE CAST-IN-PLACE BOX CULVERT WITH THE ACCEPTANCE OF THE SHOP DRAWINGS BY THE STRUCTURES DEVELOPMENT SECTION. THE PRECAST CONCRETE BOX CULVERT SHALL CONFORM TO PRECAST DETAILS ON CHAPTER 36 STANDARDS OF THE CURRENT WISC. DOT BRIDGE MANUAL. PAYMENT FOR THE PRECAST CULVERT SHALL BE BASED ON THE QUANTITIES AND PRICES BID FOR THE ITEMS LISTED IN THE "TOTAL ESTIMATED QUANTITIES".

CONTRACTOR MAY ELECT TO SUBSTITUTE #1 OR #2 CONCRETE COARSE AGGREGATE, SELECT CRUSHED MATERIAL OR OTHER GRANULAR MATERIAL AS APPROVED BY THE FIELD ENGINEER, IN LIEU OF THE BREAKER RUN, TO BE UTILIZED AS A CONSTRUCTION PLATFORM FOR THE BOX. THE CONTRACTOR IS RESPONSIBLE FOR BASE STABILITY WITH ANY SUBSTITUTED MATERIAL.

STRUCTURE DESIGN CONTACT:
NICK RICE (608) 266-5092
DAVE KIEKBUSCH (608) 266-5084

NO.	DATE	REVISION	BY

Plans Prepared By WISDOT
BUREAU OF STRUCTURES
ACCEPTED William C. Dreher BJK 9/20/13
CHIEF STRUCTURES DESIGN ENGINEER DATE

STRUCTURE C-58-30

STH 32 OVER BRANCH OF LITTLE SUAMICO RIVER

COUNTY SHAWANO | TOWN/~~CITY/VILLAGE~~ ANGELICA

DESIGN SPEC. AASHTO LRFD DESIGN SPEC.

DESIGNED BY	NAR	DESIGN CK'D.	DFD	DRAWN BY	NAR	PLANS CK'D.	DFD

LAYOUT

SHEET 1 OF 5

254

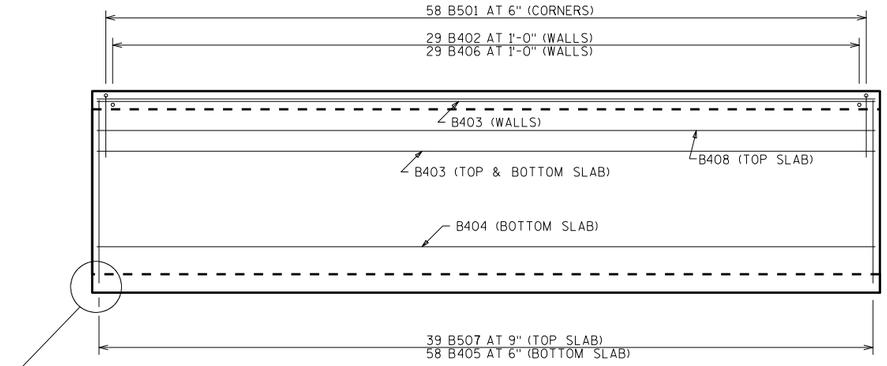
I.D. 9190-13-00

DATE: APR. 2013

SCALE = 4

STATE PROJECT NUMBER

9190-13-71



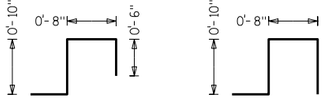
PLAN VIEW OF EXTERIOR PANEL

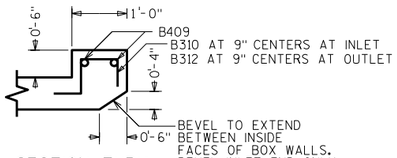
USE IDENTICAL STEEL IN OTHER PANELS.
APRON AND HEADER ARE NOT SHOWN.

BILL OF BARS

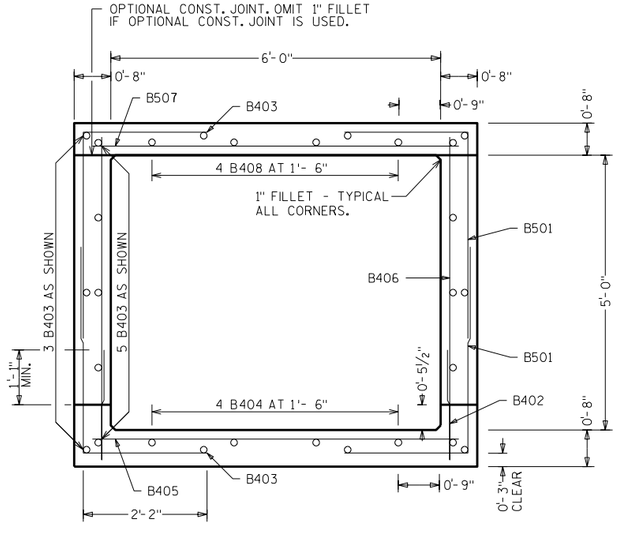
THE FIRST OR FIRST AND SECOND DIGIT OF THE MARK SIGNIFIES THE BAR SIZE. THE DIMENSION IN THE BENT COLUMN IS THE OUT TO OUT HORIZONTAL LEG OF A "L" SHAPED BAR. LONGER BARS OF THE SAME SIZE MAY BE SUBSTITUTED FOR SHORTER BARS. PAYMENT BASED ON BAR LENGTHS AS DETAILED.

MARK	NUMBER REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
B501	696	5-11	2-2	NO	CORNERS
B402	174	2-0	NO	NO	WALLS-DOWELS VERT.
B403	60	28-4	NO	NO	TOP&BOTTOM SLAB & WALL
B404	12	28-4	NO	NO	BOTTOM SLAB LONGIT.
B405	174	7-0	NO	NO	BOTTOM SLAB TRANS.
B406	174	5-0	NO	NO	WALLS VERT.
B507	117	7-0	NO	NO	TOP SLAB TRANS.
B408	12	28-4	NO	NO	TOP SLAB LONGIT.
B409	4	7-0	NO	NO	HEADERS HORIZ.
B310	10	2-4	YES	NO	INLET HEADER STIRRUPS VERT.
B511	56	4-0	NO	NO	VERT.CONST.JOINT
B312	10	2-8	YES	NO	OUTLET HEADER STIRRUPS VERT.

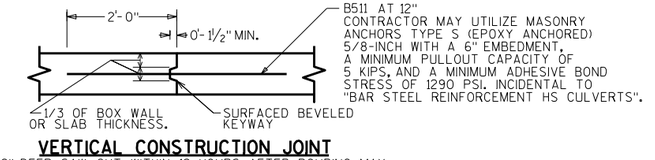




SECTION THRU TOP HEADER



TYPICAL SECTION THRU BOX



VERTICAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-58-30

DRAWN BY NAR | PLANS CK'D. DFD

BOX DETAILS

SHEET 2

255

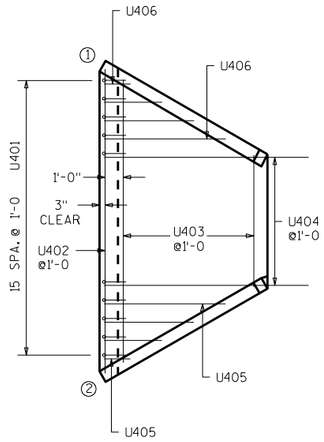
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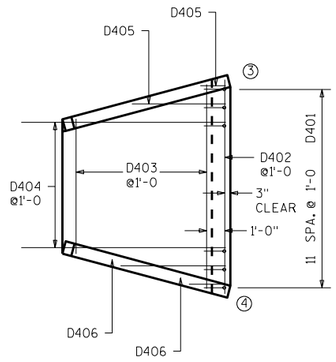
8

8

STATE PROJECT NUMBER

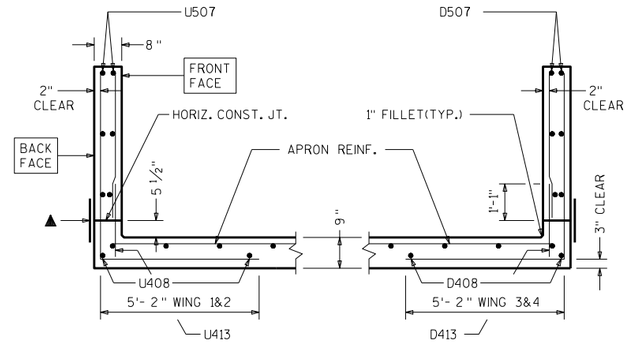
9190-13-71





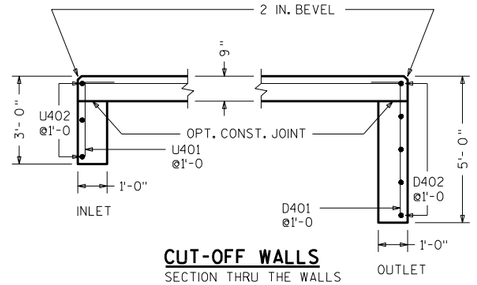
APRON REINF.

▲ 18" RUBBERIZED MEMBRANE WATER-PROOFING. PLACE ALONG HORIZ. CONST. JT. FOR ENTIRE WING LENGTH (TYP.).



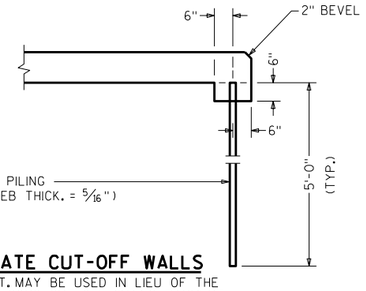
SECTION THRU WINGS

AT RIGHT ANGLES TO WING WALLS



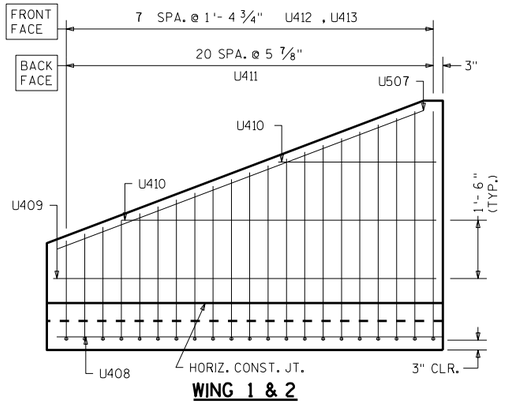
CUT-OFF WALLS

SECTION THRU THE WALLS

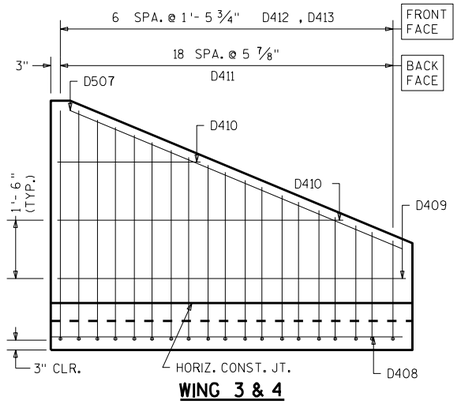


ALTERNATE CUT-OFF WALLS

THE ABOVE ALT. MAY BE USED IN LIEU OF THE CAST-IN-PLACE CONC. CUT-OFF WALLS. PAYMENT WILL BE BASED ON THE CONC. CUT-OFF WALLS.



WING 1 & 2



WING 3 & 4

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-58-30

DRAWN BY NAR | PLANS CK'D. DFD

APRON DETAILS

SHEET 3

256

SCALE = 4

8

8

STATE PROJECT NUMBER

9190-13-71

BILL OF BARS

THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE.
THE DIMENSION IN THE BENT COLUMN IS THE OUT TO OUT HORIZONTAL LEG OF AN L - SHAPED BAR.

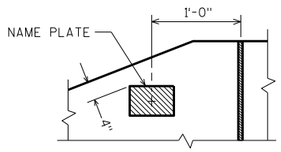
BAR MARK	COAT	NO. REQ'D.	LENGTH	BENT	BAR SERIES	LOCATION
U401		16	3 - 6	1 - 0		INLET APRON AND CUTOFF WALL
U402		3	16 - 6			INLET APRON AND CUTOFF WALL
U403		8	12 - 1		*	" APRON
U404		8	11 - 2			" APRON
U405		4	4 - 6		*	" APRON
U406		4	4 - 6		*	" APRON
U507		4	10 - 2			WINGS 1 AND 2 -HORIZONTAL -BOTH FACES
U408		4	9 - 10			WING " -HORIZONTAL -APRON BOTT. SLAB
U409		4	9 - 10			WING " -HORIZONTAL - BOTH FACES
U410		8	6 - 2		*	WING " -HORIZONTAL - BOTH FACES
U411	X	42	9 - 4	5 - 2	*	WING " -VERTICAL - BACK FACE
U412		16	3 - 3		*	WING " -VERTICAL - FRONT FACE
U413	X	16	2 - 1			WINGS 1 AND 2 - DOWELS - FRONT FACE
D401		12	5 - 6	1 - 0		OUTLET APRON AND CUTOFF WALL
D402		5	11 - 5			OUTLET APRON AND CUTOFF WALL
D403		8	9 - 4		*	" APRON
D404		8	11 - 2			" APRON
D405		2	3 - 4		*	" APRON
D406		2	3 - 4		*	" APRON
D507		4	9 - 4			WINGS 3 AND 4 -HORIZONTAL -BOTH FACES
D408		4	9 - 0			WING " -HORIZONTAL -APRON BOTT. SLAB
D409		4	9 - 0			WING " -HORIZONTAL - BOTH FACES
D410		8	5 - 8		*	WING " -HORIZONTAL - BOTH FACES
D411	X	38	9 - 4	5 - 2	*	WING " -VERTICAL - BACK FACE
D412		14	3 - 3		*	WING " -VERTICAL - FRONT FACE
D413	X	14	2 - 1			WINGS 3 AND 4 - DOWELS - FRONT FACE

* LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

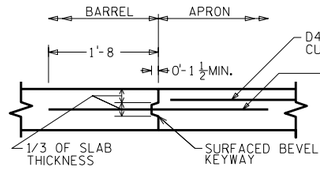
BAR SERIES TABLE

BUNDLE AND TAG EACH SERIES SEPARATELY

BAR MARK	NO. REQ'D.	LENGTHS FOR EACH SERIES
U403	1 SERIES OF 8	8 - 0 TO 16 - 1
U405	1 SERIES OF 4	1 - 11 TO 7 - 1
U406	1 SERIES OF 4	1 - 11 TO 7 - 1
U410	4 SERIES OF 2	4 - 3 TO 8 - 1
U411	2 SERIES OF 21	7 - 6 TO 11 - 1
U412	2 SERIES OF 8	1 - 5 TO 5 - 0
D403	1 SERIES OF 8	7 - 5 TO 11 - 2
D405	1 SERIES OF 2	1 - 5 TO 5 - 2
D406	1 SERIES OF 2	1 - 5 TO 5 - 2
D410	4 SERIES OF 2	3 - 10 TO 7 - 6
D411	2 SERIES OF 19	7 - 6 TO 11 - 1
D412	2 SERIES OF 7	1 - 5 TO 5 - 0

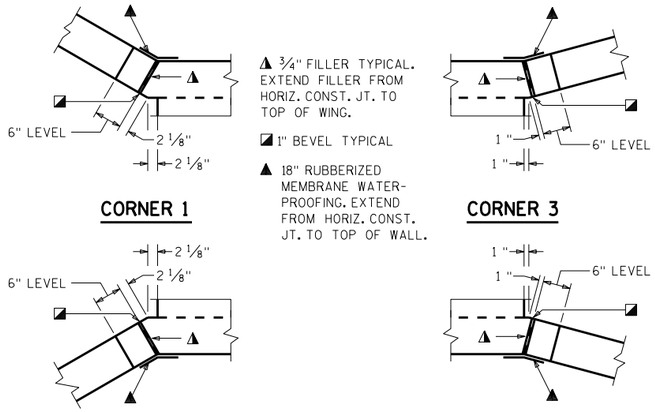


NAME PLATE LOCATION
WING 4



OPTIONAL CONSTRUCTION JOINT

2" DEEP SAW CUT WITHIN 12 HOURS AFTER POURING MAY BE USED IN LIEU OF CONST. JT. IN BOTTOM SLAB.



CORNER DETAILS

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-58-30

DRAWN BY NAR | PLANS CK'D. DFD

DETAILS

SHEET 4

257

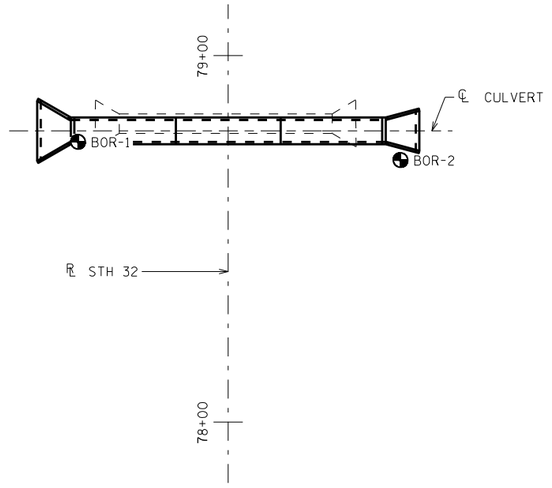
8

8

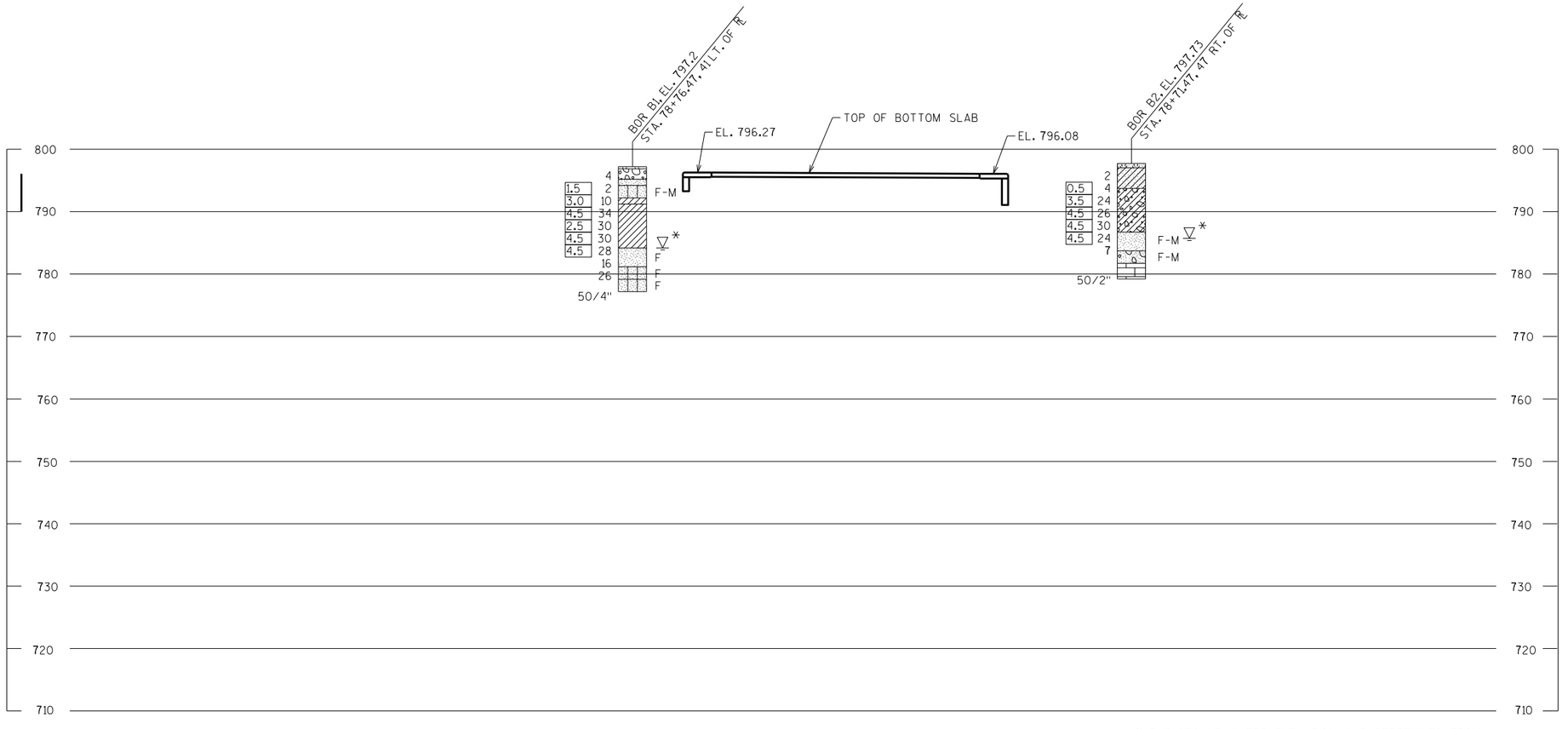
SCALE = 4

VILLAGE OF PULASKI
GREEN BAY ST. - S. CHASE RD.

BORING #	DATE COMPLETED	NORTHING (Y)	EASTING (X)
1	2/6/2013	236,445.5667	955,357.4224
2	2/6/2013	236,437.4423	955,435.6845
BORINGS COMPLETED BY: RVT			
REPORT COMPLETED BY: WISDOT			
ALL COORDINATES REFERENCED TO WCCS NAD 83(91) SHAWANO COUNTY			







* THE GROUND WATER ELEVATION WAS DETERMINED FROM WHERE THE SOIL SAMPLE WAS DESCRIBED AS WET.

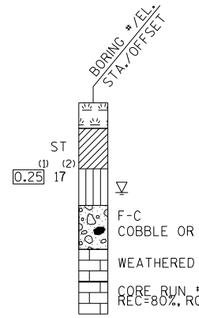
STATE PROJECT NUMBER

9190-13-71

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/ META

LEGEND OF BORING



(1) UNCONFINED STRENGTH, AS DETERMINED BY A POCKET PENETROMETER (TSF)

(2) UNLESS OTHERWISE, SPECIFIED THE SPT 'N' VALUE IS BASED ON AASHTO T-206, STANDARD PENETRATION TEST. THE SPT 'N' VALUE PRESENTED HAS NOT BEEN CORRECTED FOR OVERBURDEN PRESSURE OR HAMMER EFFICIENCY.

GROUND WATER ELEVATION

- ▽ AT TIME OF DRILLING
- ▼ END OF DRILLING
- ▽ AFTER DRILLING

ABBREVIATIONS

F-FINE M-MEDIUM C-COARSE ST-SHELBY TUBE

SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS FOUND AT THE SITE. BECAUSE THE INVESTIGATED DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE, THE WISCONSIN DEPARTMENT OF TRANSPORTATION DOES NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

NO.	DATE	REVISION	BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STRUCTURES DESIGN SECTION

STRUCTURE C-58-30

DRAWN BY PR/NAR | PLANS CK'D. DFD

SUBSURFACE EXPLORATION

SHEET 5

258

SCALE = 10

8

8

STH 32 - WISCONSIN STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
1+00		91	1	0	0	0	0	0
1+50	50	89	1	167	2	167	2	165
1+77	27	100	2	95	2	262	4	257
2+00	23	103	2	86	2	348	7	342
2+50	50	104	2	192	4	540	12	528
3+00	50	104	0	193	2	733	15	718
3+13	13	111	0	52	0	785	15	770
3+22	9	109	0	37	0	821	15	806
3+50	28	91	4	103	2	925	18	907
4+00	50	82	5	160	9	1085	30	1055
4+26	26	71	0	74	3	1159	33	1126
4+50	24	67	5	62	2	1220	36	1184
4+78	28	73	0	72	2	1293	39	1253
5+00	22	76	0	60	0	1353	39	1314
5+50	50	88	2	151	2	1504	42	1462
6+00	50	0	0	81	2	1585	45	1540
6+20	20	88	2	33	1	1618	46	1572
6+45	25	90	1	82	2	1700	48	1652
6+50	5	91	1	17	0	1717	49	1668
6+81	31	96	0	108	1	1824	50	1775
6+95	14	90	2	48	1	1873	50	1822
7+00	5	88	2	16	0	1889	51	1838
7+34	34	89	4	111	4	2001	56	1945
7+50	16	87	4	52	2	2053	59	1994
7+69	19	93	1	63	2	2116	61	2055
8+00	31	89	3	104	2	2220	65	2156
8+21	21	86	0	68	1	2289	66	2222
8+50	29	79	3	89	2	2377	68	2309
9+00	50	97	2	163	4	2541	74	2467
9+01	1	97	2	4	0	2544	74	2470
9+50	49	96	2	175	3	2720	78	2642
9+59	9	95	2	32	1	2752	79	2673
9+95	36	94	1	126	2	2877	81	2796
10+00	5	94	1	17	0	2895	82	2813
10+50	50	102	0	181	1	3076	83	2993
10+60	10	101	0	37	0	3114	83	3030
10+64	4	100	0	15	0	3128	83	3045
11+00	36	102	0	135	0	3264	83	3180
11+11	11	97	1	41	0	3304	84	3220
11+50	39	113	0	151	0	3455	84	3371
12+00	50	115	0	211	0	3666	84	3582
12+44	44	232	0	285	0	3951	84	3867
			COLUMN TOTALS	3951	63			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

9

9

STH 32 - PULASKI STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
298+45		88	10	0	0	0	0	0
298+50	5	91	11	17	2	17	3	14
298+87	37	111	2	139	9	155	15	141
299+00	13	117	0	55	0	210	15	195
299+16	16	119	0	70	0	280	15	265
299+50	34	121	0	151	0	432	15	417
299+71	21	125	0	96	0	527	15	512
13+00	57	111	0	251	0	778	15	763
13+50	50	93	0	189	0	967	15	952
13+90	40	121	0	158	0	1125	15	1110
14+00	10	111	1	43	0	1168	15	1153
14+50	50	104	0	199	1	1367	17	1351
14+84	34	105	0	132	0	1499	17	1482
15+00	16	103	0	62	0	1561	17	1544
15+34	34	109	0	133	0	1694	17	1677
15+50	16	114	0	66	0	1760	17	1743
16+00	50	111	0	208	0	1969	17	1951
16+50	50	108	0	203	0	2171	17	2154
17+00	50	101	0	193	0	2365	17	2347
17+50	50	86	2	173	2	2538	20	2518
17+67	17	83	3	53	1	2591	22	2569
18+00	33	73	4	95	4	2686	27	2659
18+24	24	72	1	65	2	2751	30	2721
18+50	26	57	3	62	2	2813	33	2780
19+00	50	75	1	122	3	2934	37	2897
19+15	15	98	0	48	0	2982	38	2945
19+50	35	103	0	130	0	3113	38	3075
19+99	49	112	1	195	1	3308	39	3269
20+00	1	112	1	4	0	3312	39	3273
20+50	50	114	0	209	1	3521	40	3480
20+95	45	116	0	192	0	3712	41	3671
21+00	5	117	0	22	0	3734	41	3693
21+50	50	120	0	219	1	3953	42	3912
22+00	50	107	3	210	3	4163	45	4118
22+38	38	101	3	146	4	4310	51	4259
22+50	12	95	5	43	2	4353	53	4300
23+00	50	88	1	169	6	4522	61	4462
23+50	50	90	1	165	2	4687	64	4623
24+00	50	92	1	169	2	4856	66	4789
24+50	50	84	2	163	2	5019	70	4949

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

STH 32 - PULASKI STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
24+71	21	86	1	66	1	5085	71	5014
25+00	29	84	1	92	1	5177	72	5104
25+27	27	85	1	85	1	5262	73	5188
25+50	23	84	1	72	1	5334	74	5259
25+72	22	84	0	69	1	5402	75	5327
25+88	16	87	0	51	0	5453	75	5378
26+00	12	84	1	38	0	5491	76	5415
26+24	24	90	0	77	0	5568	76	5492
26+50	26	74	0	79	0	5647	76	5570
27+00	50	74	0	137	0	5783	77	5707
27+05	5	79	0	14	0	5798	77	5721
27+50	45	92	1	143	1	5941	78	5863
28+00	50	92	1	171	1	6111	80	6032
28+05	5	92	1	17	0	6129	80	6049
28+50	45	92	0	154	1	6282	81	6202
28+61	11	91	0	37	0	6319	81	6239
29+00	39	88	0	130	0	6449	81	6368
29+03	3	88	0	10	0	6459	81	6377
29+50	47	84	1	150	1	6608	83	6525
30+00	50	83	2	154	3	6762	87	6676
30+50	50	85	2	155	3	6918	91	6826
30+77	27	91	1	88	1	7006	93	6913
31+00	23	91	0	77	0	7083	94	6990
31+02	2	91	0	7	0	7090	94	6996
31+50	48	94	0	164	0	7254	94	7159
31+53	3	94	0	10	0	7264	94	7170
32+00	47	93	0	162	0	7426	95	7332
32+50	50	91	0	170	0	7597	95	7501
32+93	43	88	1	142	1	7739	97	7642
33+00	7	89	1	23	0	7762	97	7665
33+50	50	91	1	166	2	7928	100	7829
33+59	9	92	1	30	0	7959	100	7859
34+00	41	98	0	144	1	8103	101	8001
34+50	50	101	1	184	1	8287	102	8184
35+00	50	103	1	189	1	8476	104	8371
35+50	50	91	0	179	1	8655	105	8550
36+00	50	75	0	154	0	8809	105	8704
550+50	62	90	0	191	0	9000	105	8895
550+80	30	113	0	113	0	9112	105	9007
			COLUMN TOTALS	9112	79			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

9

9

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090101_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:200

WISDOT/CADDS SHEET 49

STH 32 - ST AUGUSTINE STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
36+33		0	0	0	0	0	0	0
36+50	17	155	0	50	0	50	0	50
36+62	12	112	0	59	0	110	0	110
36+67	5	101	0	20	0	129	0	129
36+79	12	100	0	46	0	175	0	175
37+00	21	92	0	74	0	249	0	249
37+15	15	90	0	51	0	299	0	299
37+50	57	102	0	204	0	503	0	503
37+98	48	83	1	164	1	667	1	666
38+00	2	82	1	6	0	673	1	672
38+30	30	81	0	91	1	764	3	761
38+50	20	80	1	59	1	823	3	820
38+61	11	83	1	33	0	856	4	853
38+69	8	84	0	25	0	881	4	877
39+00	31	91	0	100	0	981	4	977
39+39	39	102	0	139	0	1121	5	1116
39+50	11	106	0	43	0	1163	5	1158
40+00	50	111	0	201	0	1364	5	1359
40+50	50	107	0	201	0	1565	5	1561
40+88	38	114	0	156	0	1721	5	1716
41+00	12	113	0	51	0	1771	5	1767
41+25	25	115	0	106	0	1877	5	1873
41+45	20	112	0	84	0	1961	5	1957
41+50	5	112	0	21	0	1982	5	1977
41+84	34	107	1	137	0	2120	5	2115
42+00	16	107	1	63	0	2183	5	2177
42+50	50	105	0	196	0	2378	6	2372
42+59	9	104	0	35	0	2413	6	2407
43+00	41	107	0	160	0	2573	7	2567
43+29	29	110	0	117	0	2690	7	2683
43+46	17	108	0	69	0	2759	7	2752
43+50	4	111	0	16	0	2775	7	2768
43+82	32	102	0	126	0	2901	7	2894
44+00	18	69	6	57	2	2958	10	2948
44+50	50	65	7	124	13	3082	27	3056
44+76	26	86	2	73	4	3155	33	3122
45+00	24	92	4	79	2	3234	36	3198
45+19	19	89	4	64	3	3298	40	3258
45+50	31	86	6	101	6	3399	47	3351
46+00	50	96	4	169	10	3568	60	3508

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

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STH 32 - ST AUGUSTINE STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
46+40	40	101	4	146	6	3714	68	3646
46+50	10	107	4	38	1	3752	70	3682
47+00	50	119	1	209	5	3961	76	3885
47+50	50	127	1	227	2	4188	79	4109
47+61	11	124	1	51	1	4239	80	4159
48+00	39	117	3	173	3	4413	84	4329
48+50	50	121	2	220	4	4633	89	4544
48+72	22	122	2	99	1	4732	91	4641
49+00	28	112	2	121	2	4853	94	4760
49+50	50	110	8	206	9	5059	106	4954
49+76	26	112	1	107	4	5166	112	5055
50+00	24	119	2	103	1	5269	114	5156
50+50	50	110	4	212	5	5481	121	5360
50+75	25	114	4	103	3	5584	125	5459
50+85	10	115	4	42	1	5627	127	5500
51+00	15	106	3	61	2	5688	130	5559
51+50	50	119	2	209	5	5897	136	5760
51+56	6	125	2	27	1	5924	137	5787
51+75	19	114	7	84	3	6008	142	5866
52+00	25	125	21	111	13	6118	159	5960
52+25	25	120	20	113	19	6232	184	6048
52+38	13	134	15	61	8	6293	195	6098
52+50	12	129	15	59	7	6351	204	6147
53+00	50	145	9	253	23	6605	234	6370
53+05	5	146	9	27	2	6632	237	6395
53+50	45	131	34	231	37	6863	285	6577
53+90	40	159	10	215	33	7078	329	6749
54+00	10	150	10	57	4	7135	334	6801
54+50	50	137	20	266	28	7401	371	7030
55+00	50	137	15	254	32	7655	413	7241
55+50	50	145	14	261	26	7916	448	7467
55+56	6	144	14	32	3	7948	452	7495
56+00	44	133	17	225	25	8173	486	7687
56+50	50	136	21	249	35	8422	532	7890
57+00	50	148	30	263	47	8685	595	8090
57+49	49	241	31	352	55	9037	668	8369
57+50	1	241	31	9	1	9046	669	8377
58+00	50	226	43	433	69	9479	761	8718
58+50	50	229	51	422	88	9900	877	9023
59+00	50	199	55	397	99	10297	1009	9288

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

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STH 32 - ST AUGUSTINE STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
59+50	50	157	62	329	108	10626	1153	9473
60+00	50	166	62	299	115	10925	1306	9619
60+50	50	222	49	359	103	11284	1443	9842
60+51	1	222	49	8	2	11293	1445	9848
61+00	49	163	61	349	100	11641	1578	10063
61+50	50	171	57	309	110	11950	1724	10226
62+00	50	190	56	334	105	12285	1864	10420
62+50	50	184	47	346	96	12631	1991	10640
62+78	28	233	13	216	31	12848	2032	10815
63+00	22	232	8	189	8	13037	2044	10993
63+50	50	207	47	406	50	13443	2111	11332
63+71	21	219	47	166	36	13608	2159	11449
64+00	29	211	48	231	51	13840	2227	11613
64+50	50	206	59	387	99	14227	2358	11869
64+79	29	285	3	264	33	14491	2402	12088
65+00	21	219	3	196	2	14686	2405	12281
65+50	50	147	99	339	95	15025	2531	12494
66+00	50	124	106	251	191	15277	2784	12492
66+50	50	94	102	202	193	15479	3041	12438
67+00	50	94	96	174	183	15652	3285	12368
67+50	50	145	97	221	179	15873	3522	12351
67+76	26	148	32	141	62	16014	3605	12409
67+80	4	155	32	22	5	16037	3611	12426
68+00	20	161	48	117	29	16154	3650	12503
68+50	50	133	74	272	112	16426	3800	12626
69+00	50	146	71	259	134	16684	3978	12706
69+50	50	88	46	216	108	16901	4121	12779
69+68	18	63	44	50	30	16951	4161	12789
70+00	32	73	67	81	66	17031	4249	12782
70+50	50	61	73	124	130	17155	4422	12733
70+78	28	63	87	64	83	17219	4532	12688
71+00	22	75	70	56	64	17276	4617	12659
71+50	50	68	80	133	139	17409	4802	12606
71+96	46	109	50	151	111	17559	4950	12609
72+00	4	117	39	17	7	17576	4959	12617
72+10	10	112	20	42	11	17619	4974	12645
72+22	12	99	19	47	9	17666	4985	12681
72+35	13	114	8	51	6	17717	4993	12723
72+50	3105	194	0	15630	3091	17592	4116	13476
72+59	9	154	0	58	0	17650	4116	13534

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

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STH 32 - ST AUGUSTINE STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
72+88	29	169	3	173	2	17823	4118	13705
73+00	12	114	2	63	1	17886	4120	13766
73+50	50	162	10	255	11	18141	4134	14007
73+54	4	157	9	24	1	18165	4136	14029
74+00	46	59	13	184	19	18349	4162	14187
74+50	50	54	12	105	24	18454	4193	14261
75+00	50	50	7	96	18	18550	4218	14332
75+50	50	47	8	90	15	18640	4237	14403
75+99	49	125	7	156	14	18796	4256	14540
76+00	1	124	8	5	0	18801	4257	14544
76+50	50	72	9	181	15	18982	4277	14705
77+00	50	76	4	137	12	19119	4293	14825
77+22	22	118	0	79	2	19198	4296	14902
77+50	28	72	7	99	4	19297	4301	14995
78+00	50	84	2	144	9	19441	4313	15128
78+50	50	89	1	160	3	19601	4317	15284
79+00	50	85	12	162	12	19763	4333	15430
79+50	50	115	1	186	11	19948	4348	15601
80+00	50	134	0	231	1	20179	4348	15831
80+50	50	92	5	209	5	20389	4354	16035
81+00	50	81	15	160	18	20549	4379	16171
81+50	50	92	30	161	41	20710	4433	16277
82+00	50	182	12	254	38	20964	4484	16480
82+04	4	187	11	27	2	20991	4486	16505
82+50	46	161	14	296	22	21287	4515	16772
83+00	50	113	6	254	19	21541	4541	17001
83+50	50	125	1	220	7	21761	4550	17211
84+00	50	179	0	281	1	22042	4552	17490
84+24	24	177	0	158	0	22201	4552	17648
84+50	26	135	1	150	1	22351	4553	17798
85+00	50	178	0	290	1	22640	4554	18086
85+12	12	202	0	84	0	22725	4554	18171
85+28	16	161	2	108	1	22833	4555	18278
85+50	22	130	9	118	5	22951	4561	18390
86+00	50	135	10	245	18	23196	4585	18611
86+50	50	127	11	242	19	23438	4610	18828
86+84	34	185	0	196	7	23634	4619	19016
87+00	16	138	3	96	1	23730	4620	19111
87+50	50	117	6	236	9	23967	4631	19336
87+95	45	140	7	215	11	24181	4646	19535
88+00	5	140	8	26	1	24207	4648	19559
88+40	40	0	0	103	6	24311	4656	19655
			COLUMN TOTALS	40066	7252			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

WILLIAMS STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
198+23		96	0	0	0	0	0	0
198+42	19	99	0	69	0	69	0	69
198+50	8	104	0	30	0	99	0	99
198+65	15	103	0	58	0	156	0	156
199+00	35	115	0	142	0	298	0	298
199+25	25	152	0	124	0	422	0	422
199+50	25	178	0	152	0	574	0	574
199+59	9	179	0	59	0	633	0	633
199+72	13	166	0	84	0	717	0	716
199+84	12	203	0	82	0	798	0	798
			COLUMN TOTALS	798	0			

SUMMIT STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
249+07		76	0	0	0	0	0	0
249+35	28	88	0	85	0	85	0	85
249+50	15	105	0	53	0	138	0	138
249+59	9	111	0	36	0	174	0	174
249+70	11	115	1	46	0	220	0	220
249+84	14	168	0	73	0	293	1	293
249+84	0	172	0	0	0	294	1	293
			COLUMN TOTALS	294	0			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

WISCONSIN STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
350+05		25	0	0	0	0	0	0
350+50	45	152	0	147	0	147	0	146
351+00	50	69	2	204	2	351	3	348
351+50	50	32	0	93	2	444	6	438
352+00	50	31	0	58	0	502	7	495
352+50	50	33	0	58	0	560	7	554
353+00	50	33	0	60	0	621	7	614
353+20	20	33	0	24	0	645	7	638
			COLUMN TOTALS	645	5			

PINE STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
398+62		87	1	0	0	0	0	0
399+00	38	92	1	126	1	126	1	124
399+18	18	94	0	62	0	188	2	186
399+50	32	93	0	111	0	298	2	296
399+86	36	140	0	155	0	453	2	451
			COLUMN TOTALS	453	2			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

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FLORA STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
449+04		79	0	0	0	0	0	0
449+50	46	106	0	157	0	157	0	157
449+57	7	135	0	31	0	188	0	188
449+73	16	121	2	76	1	264	1	263
449+86	13	148	0	65	1	329	2	327
			COLUMN TOTALS	329	1			

ST AUGUSTINE STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
499+35		108	1	0	0	0	0	0
499+50	15	115	0	62	0	62	0	62
499+65	15	123	0	66	0	128	0	128
499+80	15	143	0	73	0	201	0	201
			COLUMN TOTALS	201	0			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

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CHICAGO STREET

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
598+57		87	2	0	0	0	0	0
598+68	11	92	0	37	0	37	1	36
599+00	32	108	0	119	0	156	1	155
599+35	35	125	0	151	0	307	1	306
599+50	15	122	0	69	0	375	1	375
599+72	22	115	0	97	0	472	1	471
599+74	2	114	0	8	0	480	1	480
599+85	11	146	1	55	0	535	1	534
			COLUMN TOTALS	535	1			

FUTURE ROAD TO INDUSTRIAL PARK

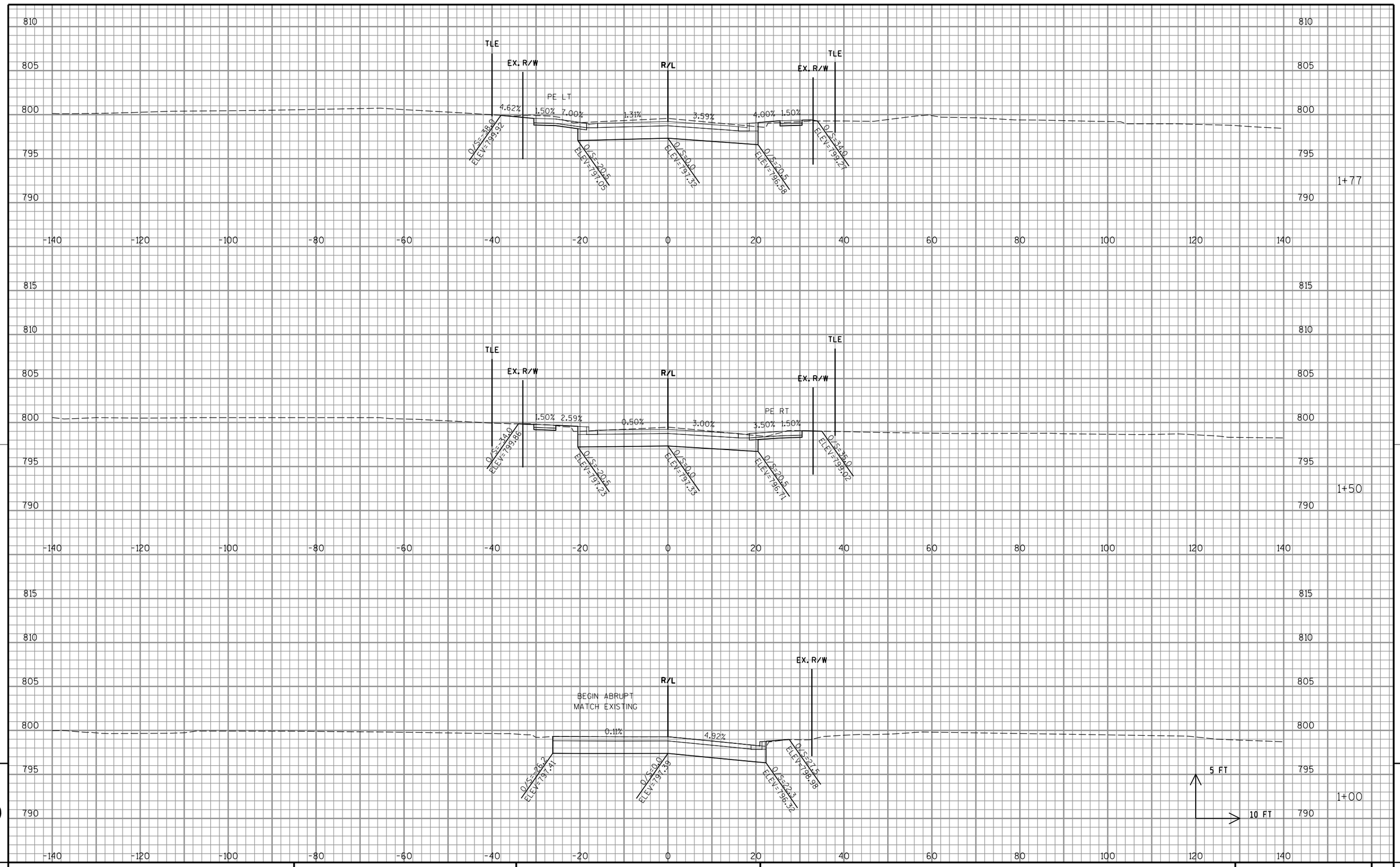
STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
699+39		15	31	0	0	0	0	0
699+50	11	4	68	4	20	4	27	-23
699+58	8	30	99	5	25	9	60	-51
699+75	17	26	95	18	61	27	141	-115
699+84	9	175	0	34	16	60	162	-102
			COLUMN TOTALS	60	122			

NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))

SNOWMOBILE TRAIL

STATION	DISTANCE	AREA (SF)		INCREMENTAL VOL (CY) (UNADJUSTED)		CUMULATIVE VOL (CY)		MASS ORDINATE
		CUT	FILL	CUT NOTE 1	FILL NOTE 2	CUT 1.00 NOTE 1	EXPANDED FILL 1.33	NOTE 3
701+78		29	0	0	0	0	0	0
702+00	22	27	0	23	0	23	0	23
702+50	50	27	0	50	0	72	0	72
703+00	50	39	0	61	0	133	0	133
703+50	50	43	0	76	0	210	0	210
704+00	50	31	0	69	0	279	0	279
704+50	50	33	0	60	0	338	0	338
705+00	50	55	0	82	0	420	0	420
705+33	33	9	0	39	0	459	0	459
			COLUMN TOTALS	459	0			

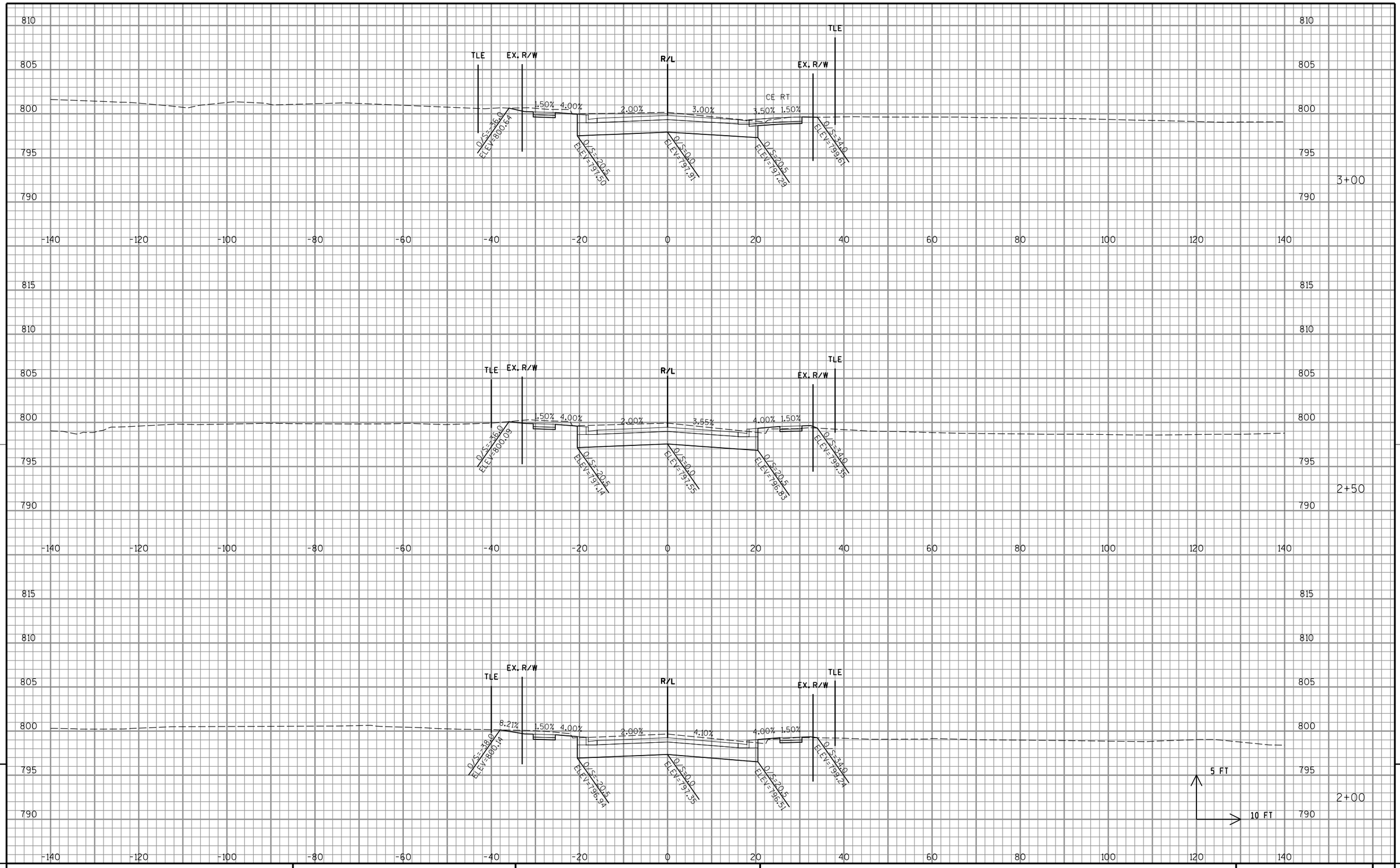
NOTES:	
1 - CUT	CUT INCLUDES SALVAGED/UNUSABLE PAVEMENT MATERIAL. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
2 - FILL	DOES NOT INCLUDE UNUSABLE PAVEMENT EXC VOLUME. SALVAGED/UNUSABLE PAVEMENT MATERIAL IS CALCULATED ON THE SUMMARY SHEET.
3 - MASS ORDINATE	((CUT) - ((FILL) * FILL FACTOR))



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 271	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



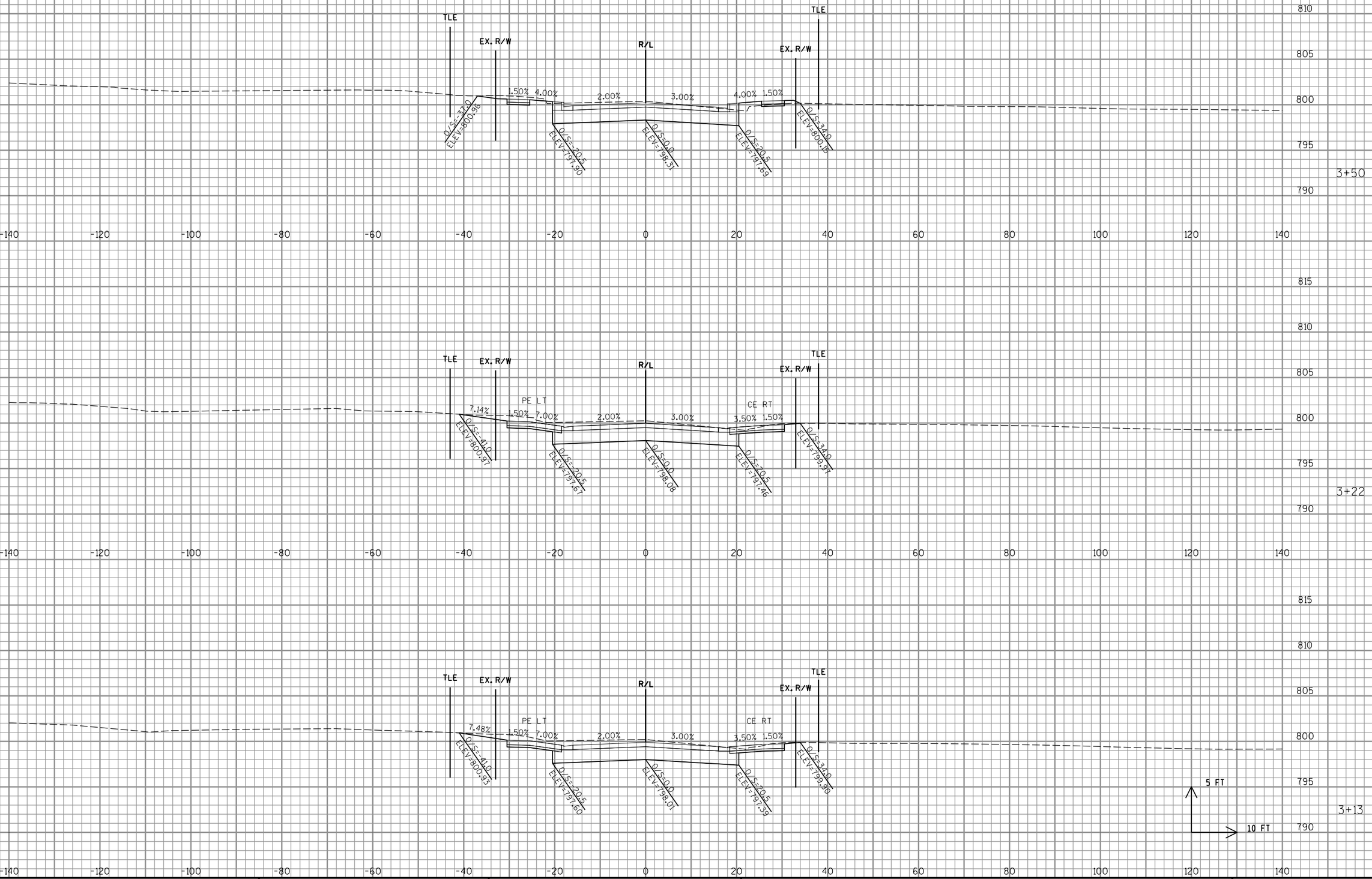
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 272	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

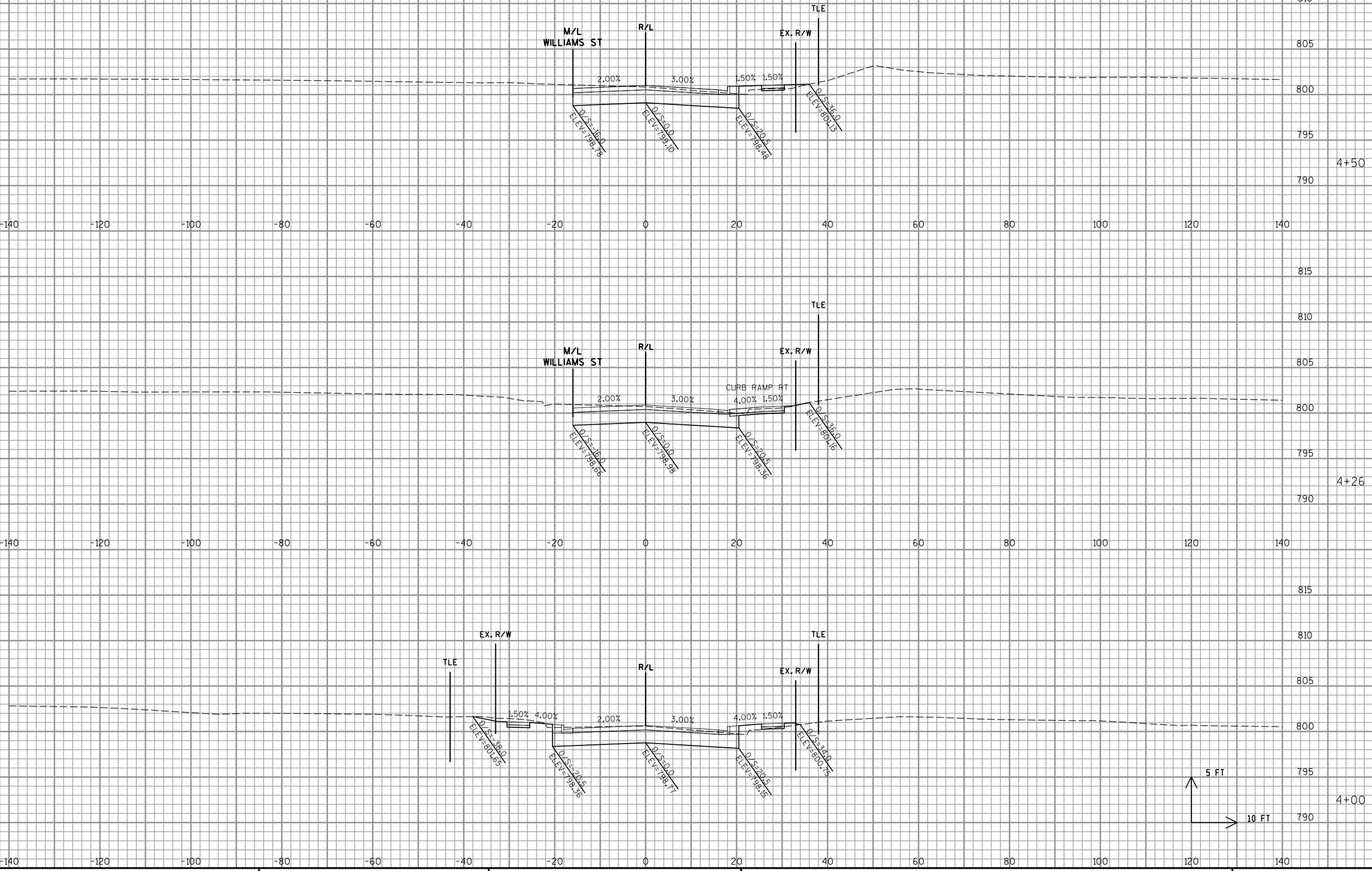
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 273	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

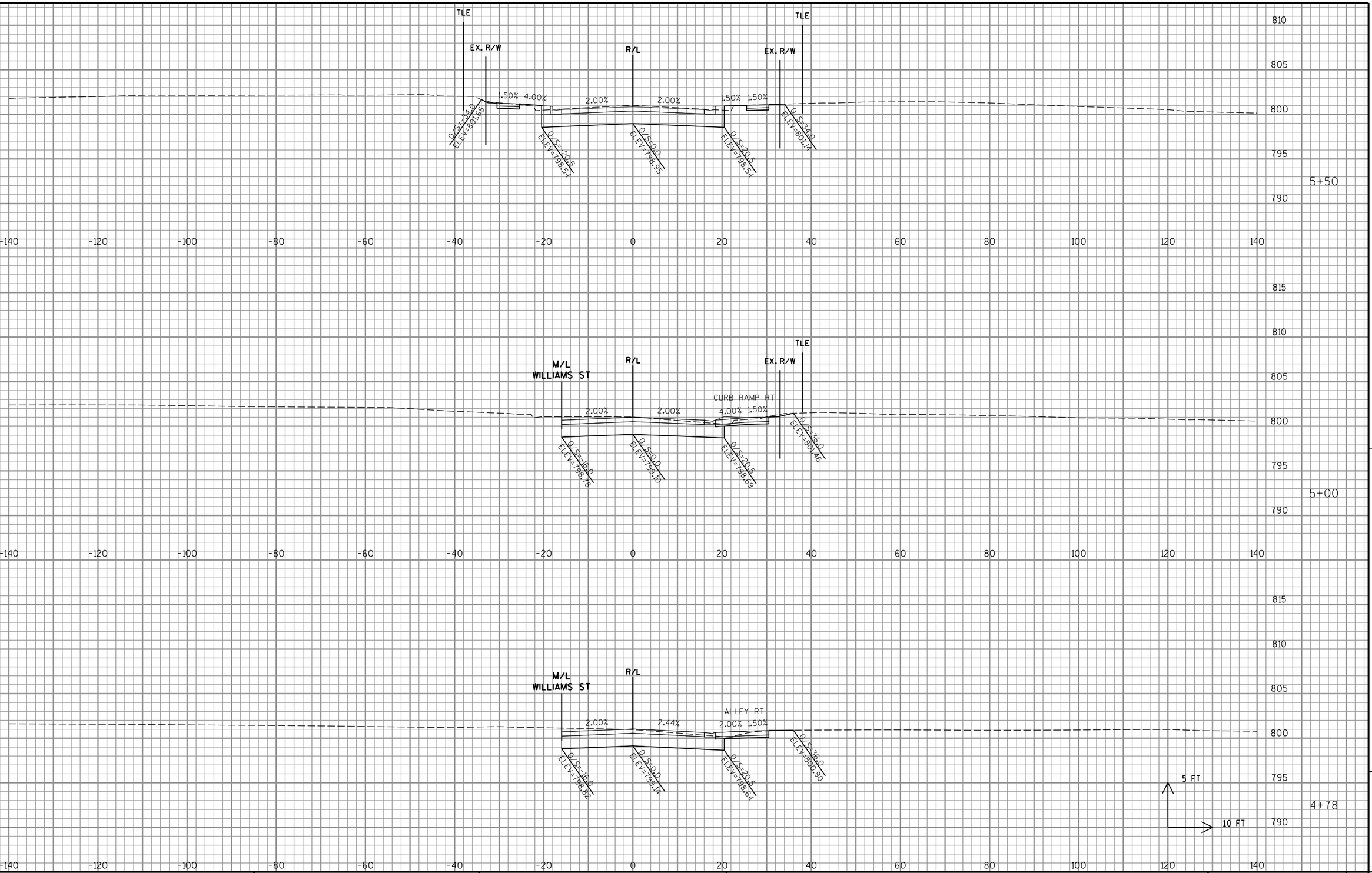
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 274	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

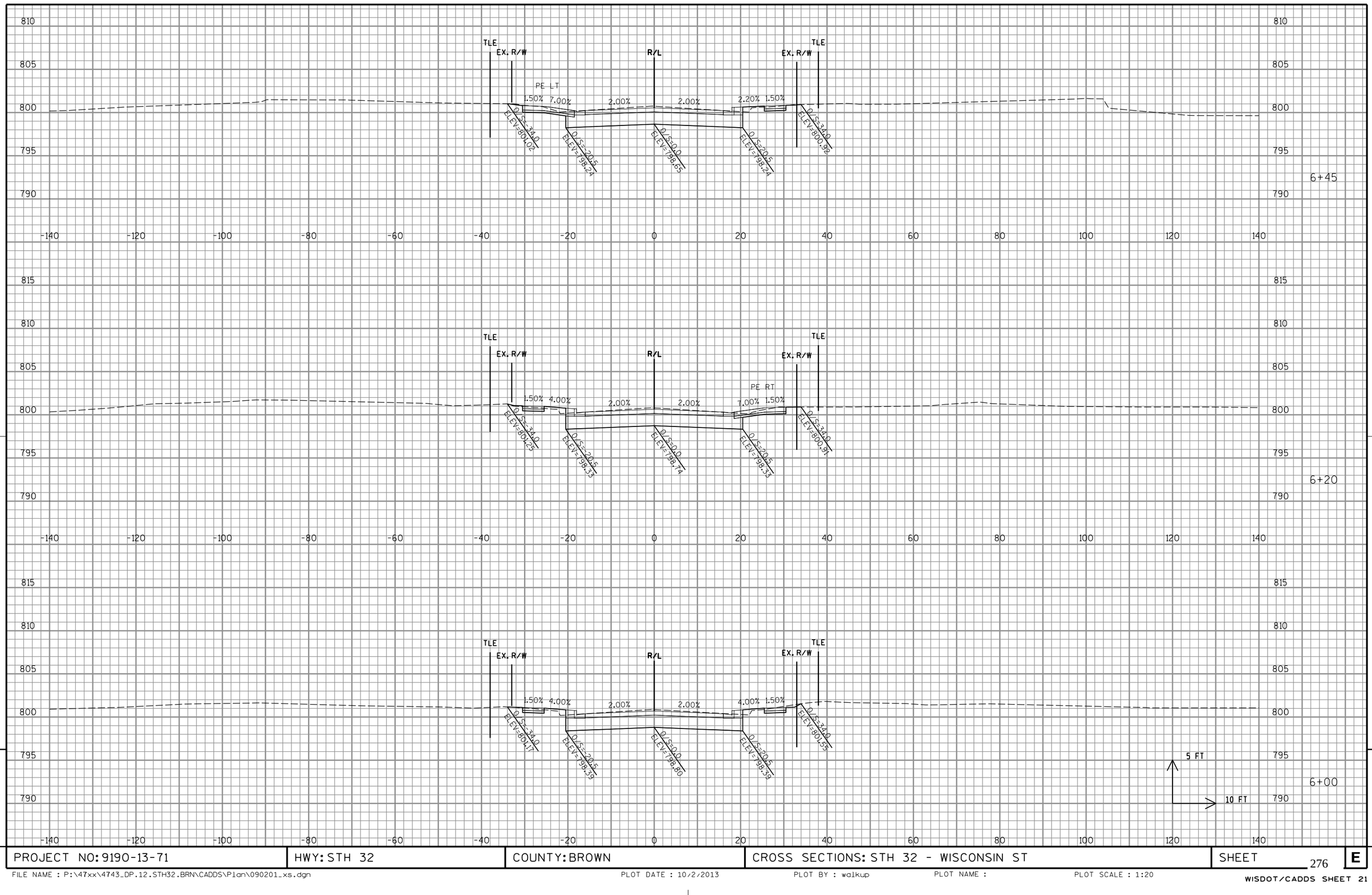
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 275	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



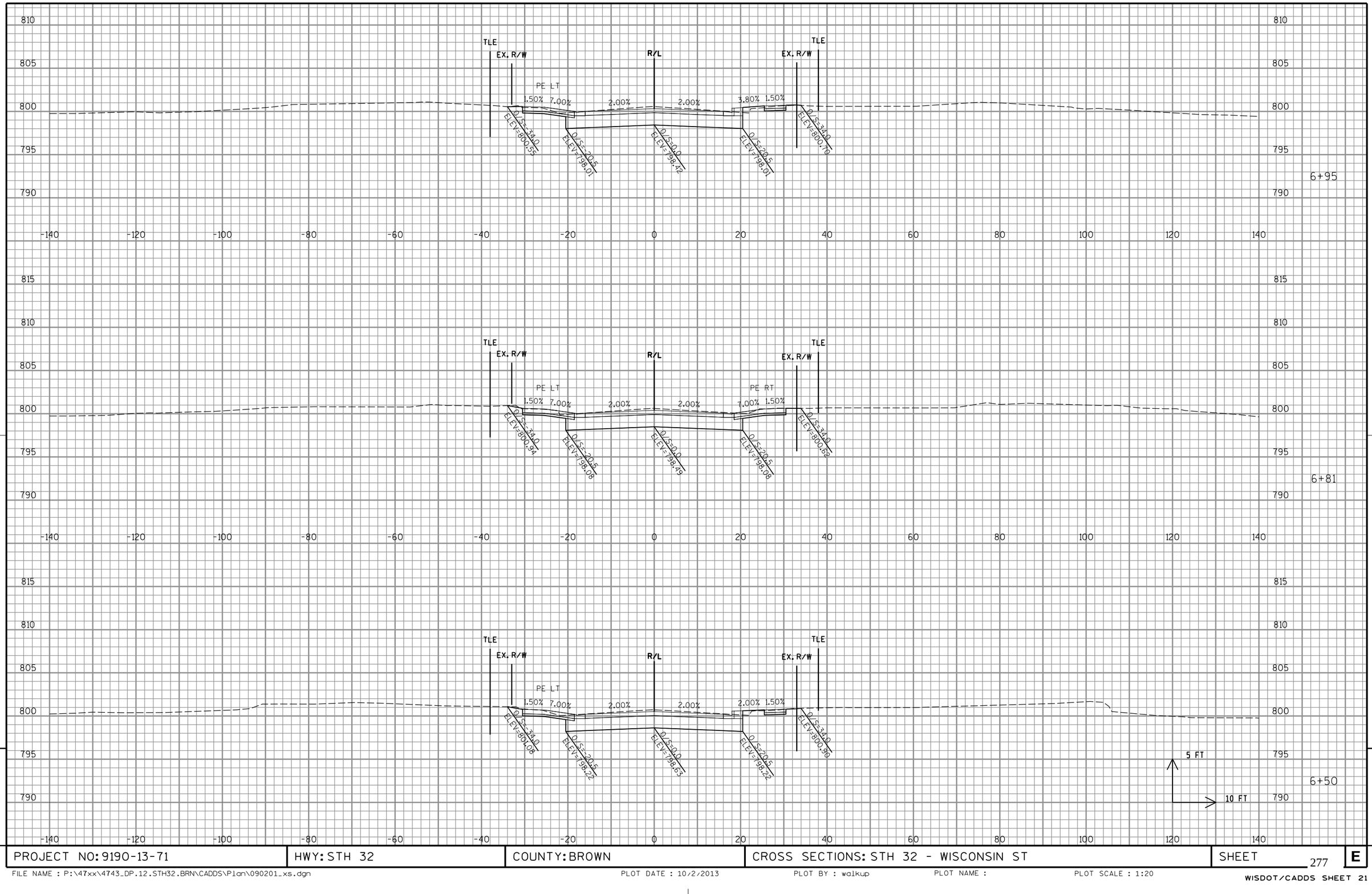
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 276	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



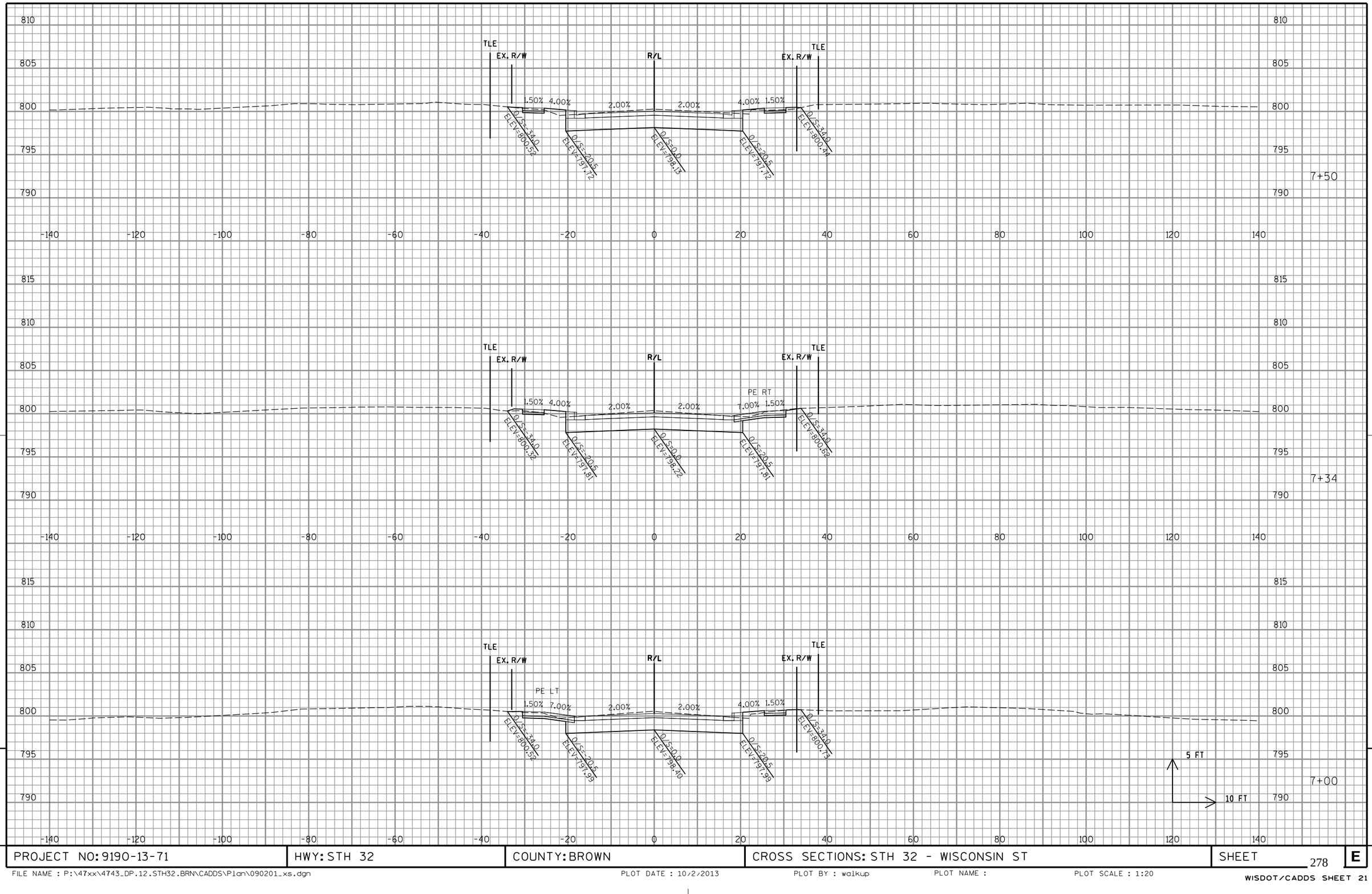
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 277	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

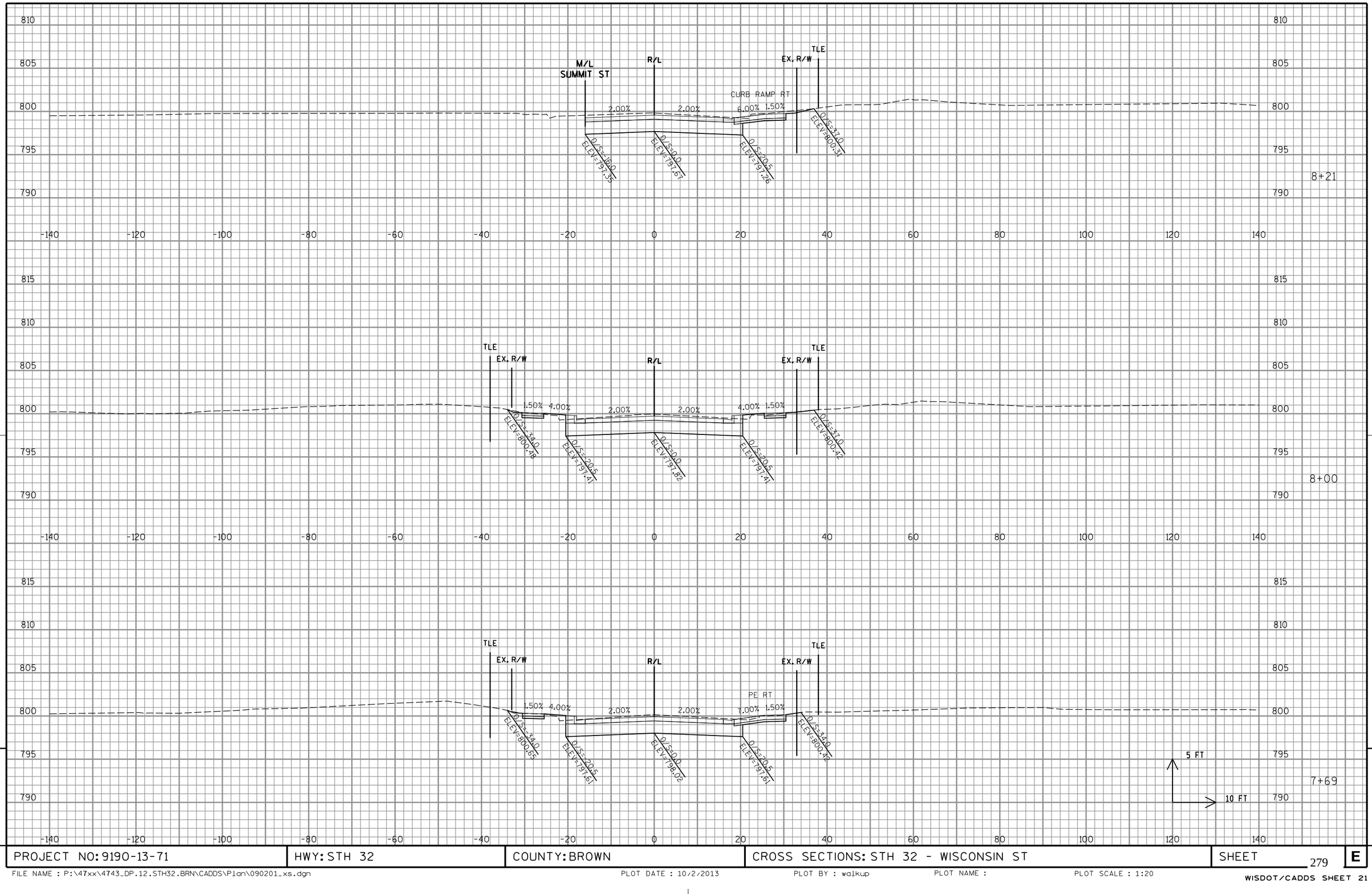


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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 278	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



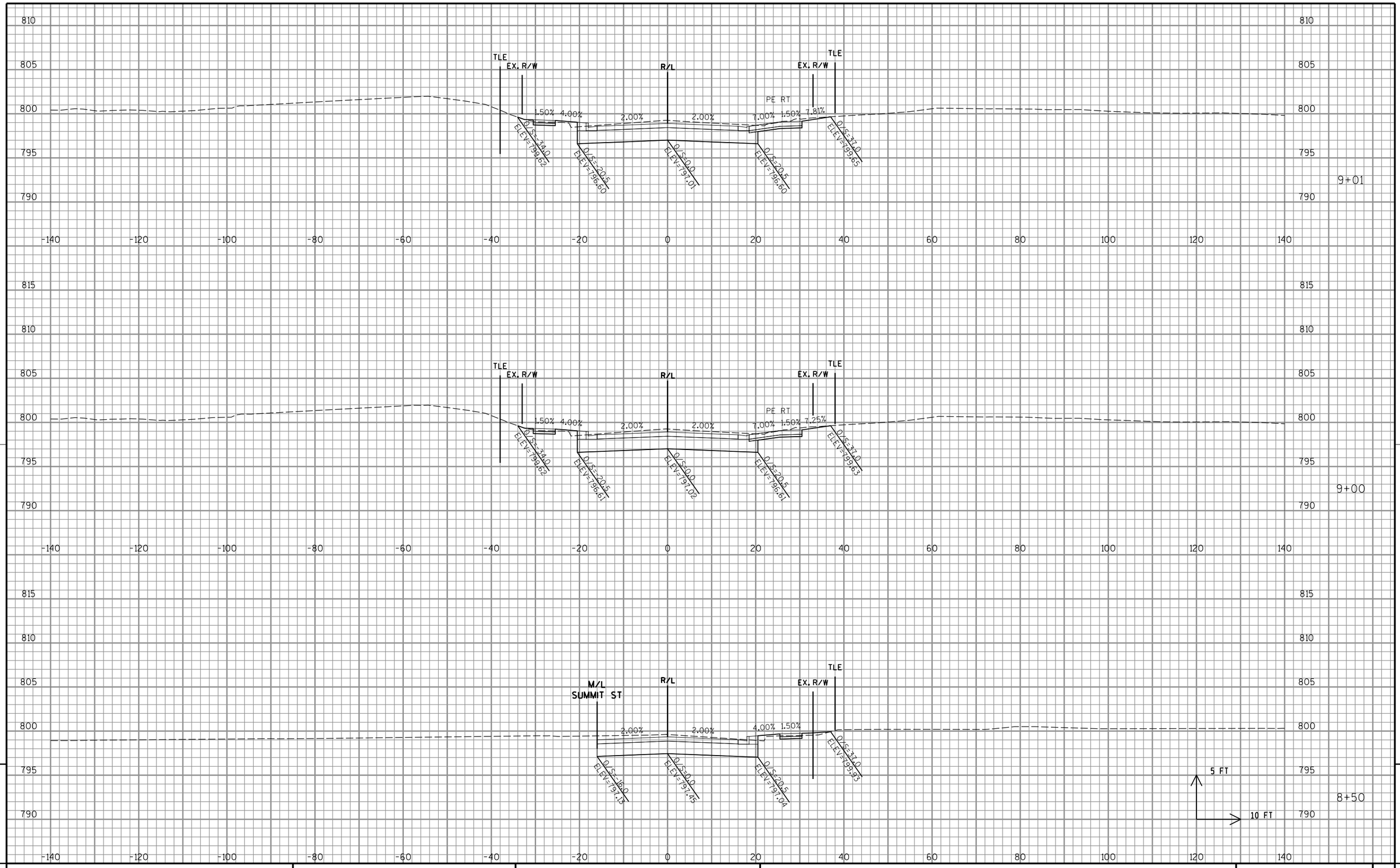
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 279	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

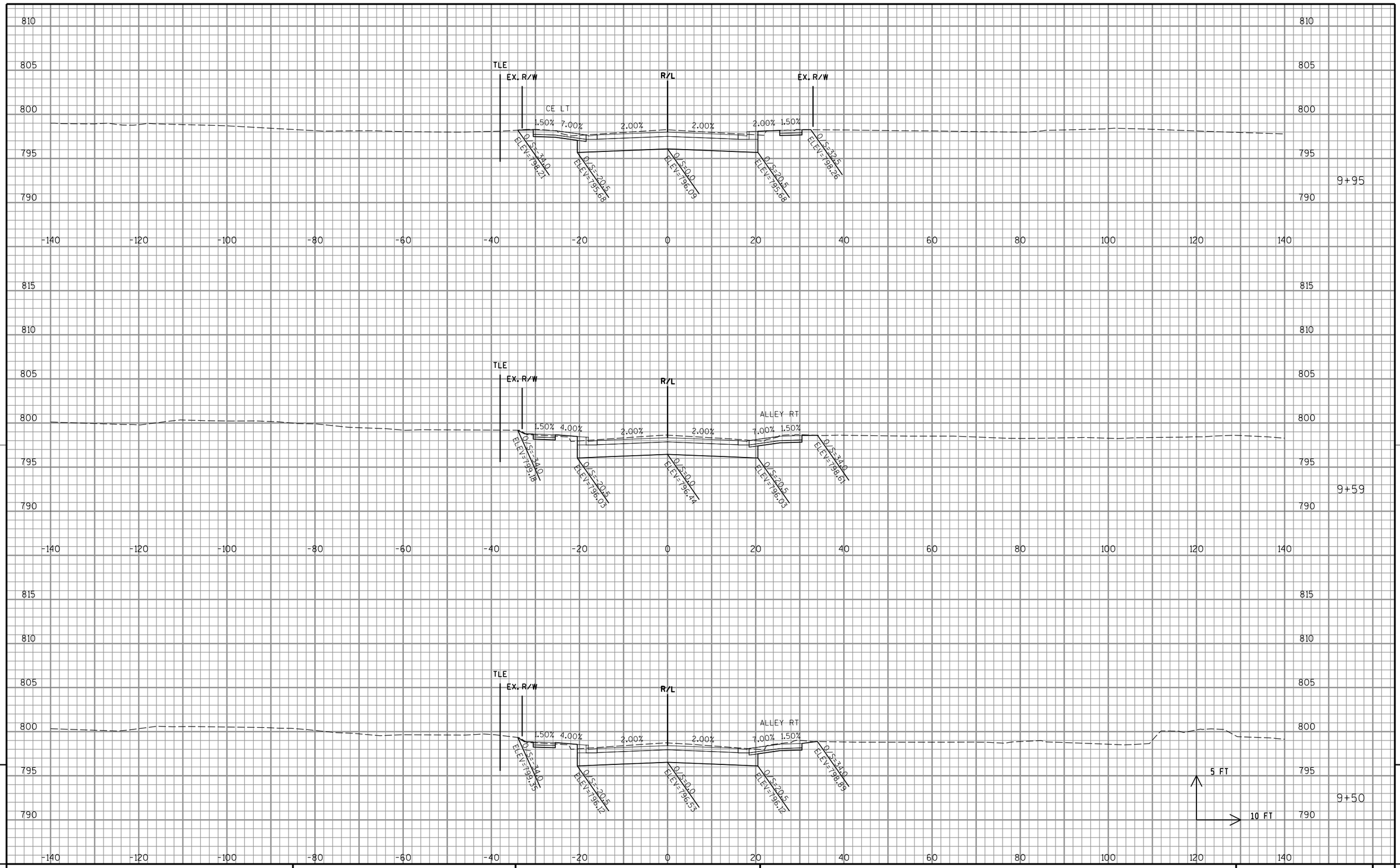
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 280	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



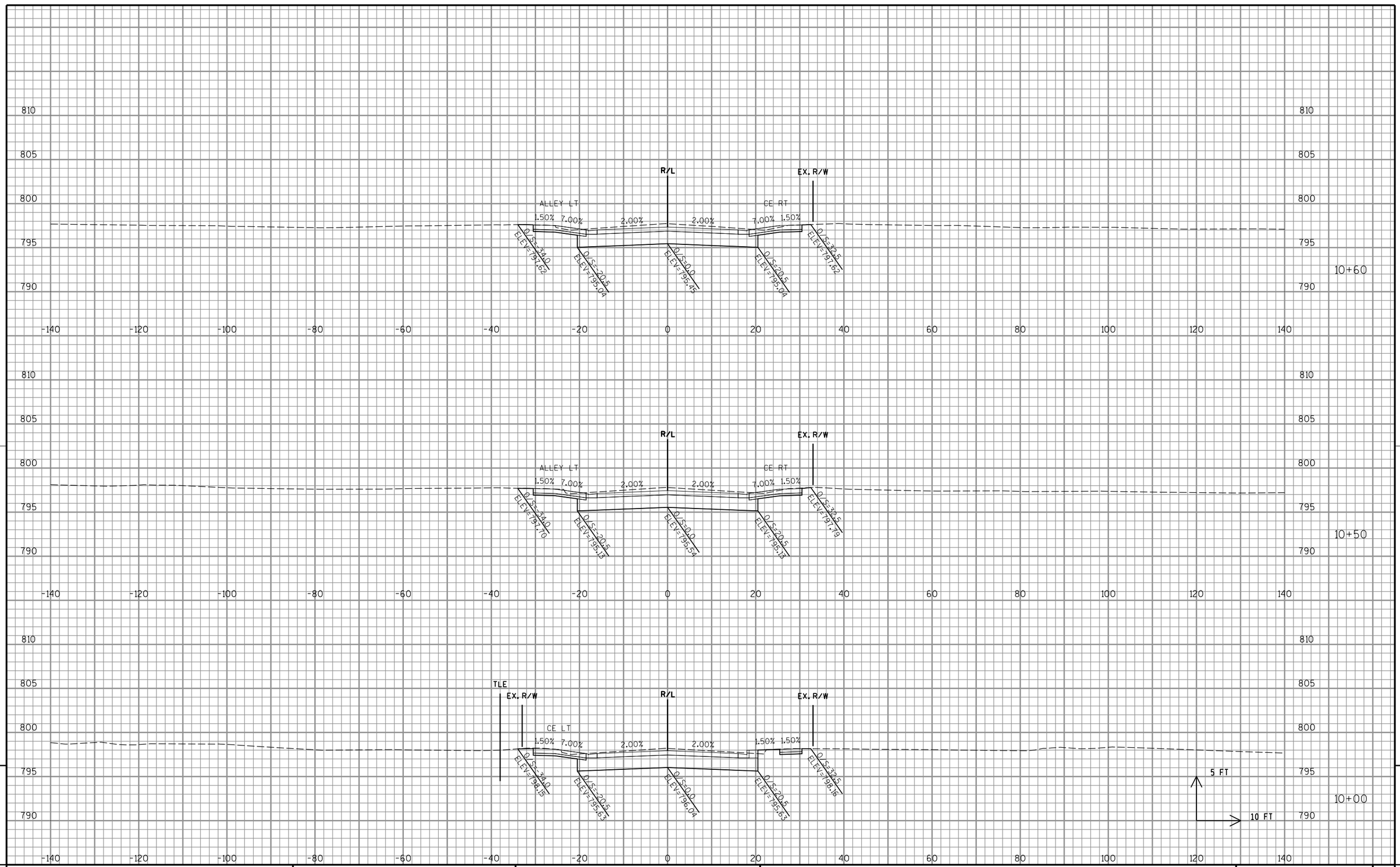
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 281	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



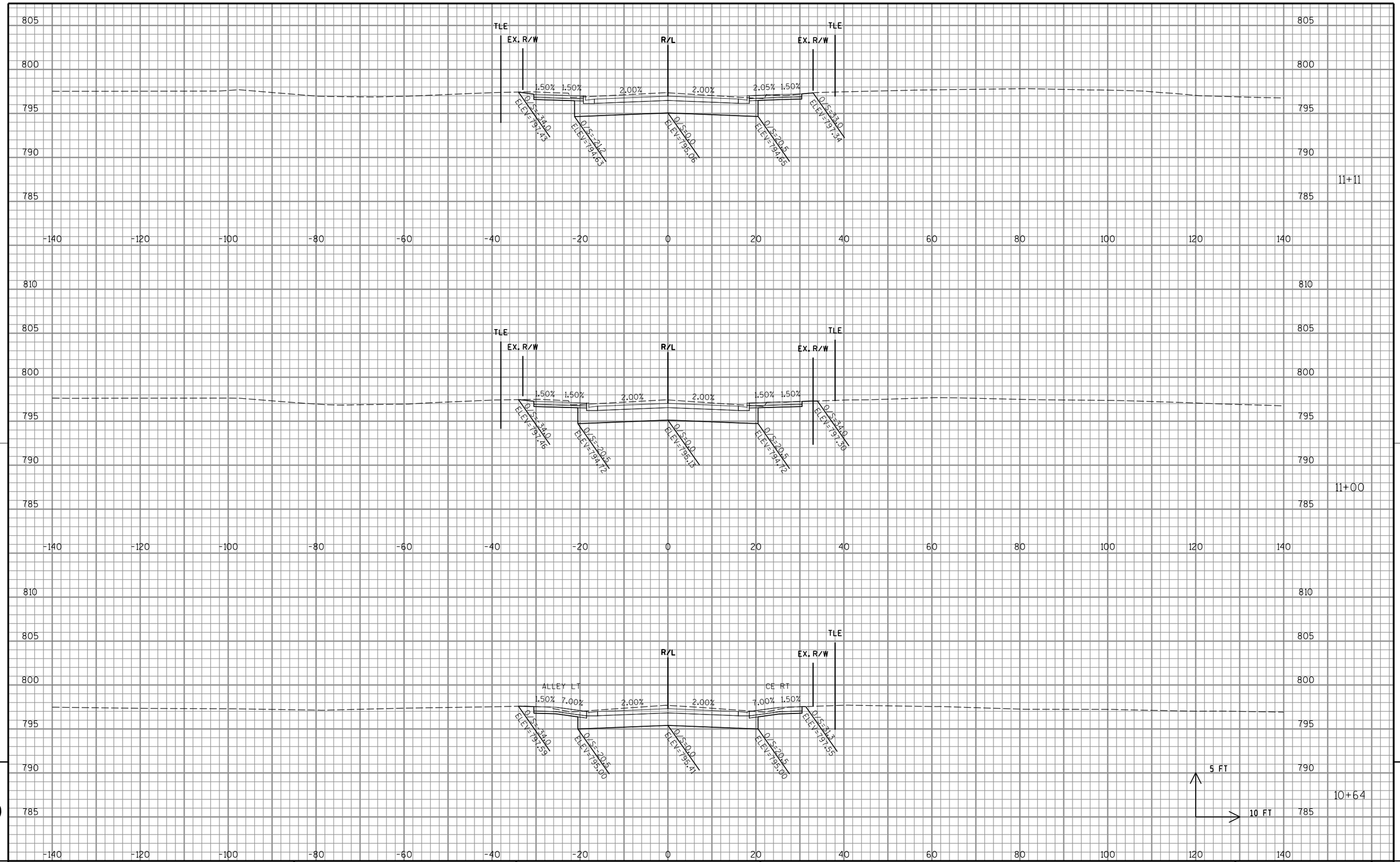
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 282	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

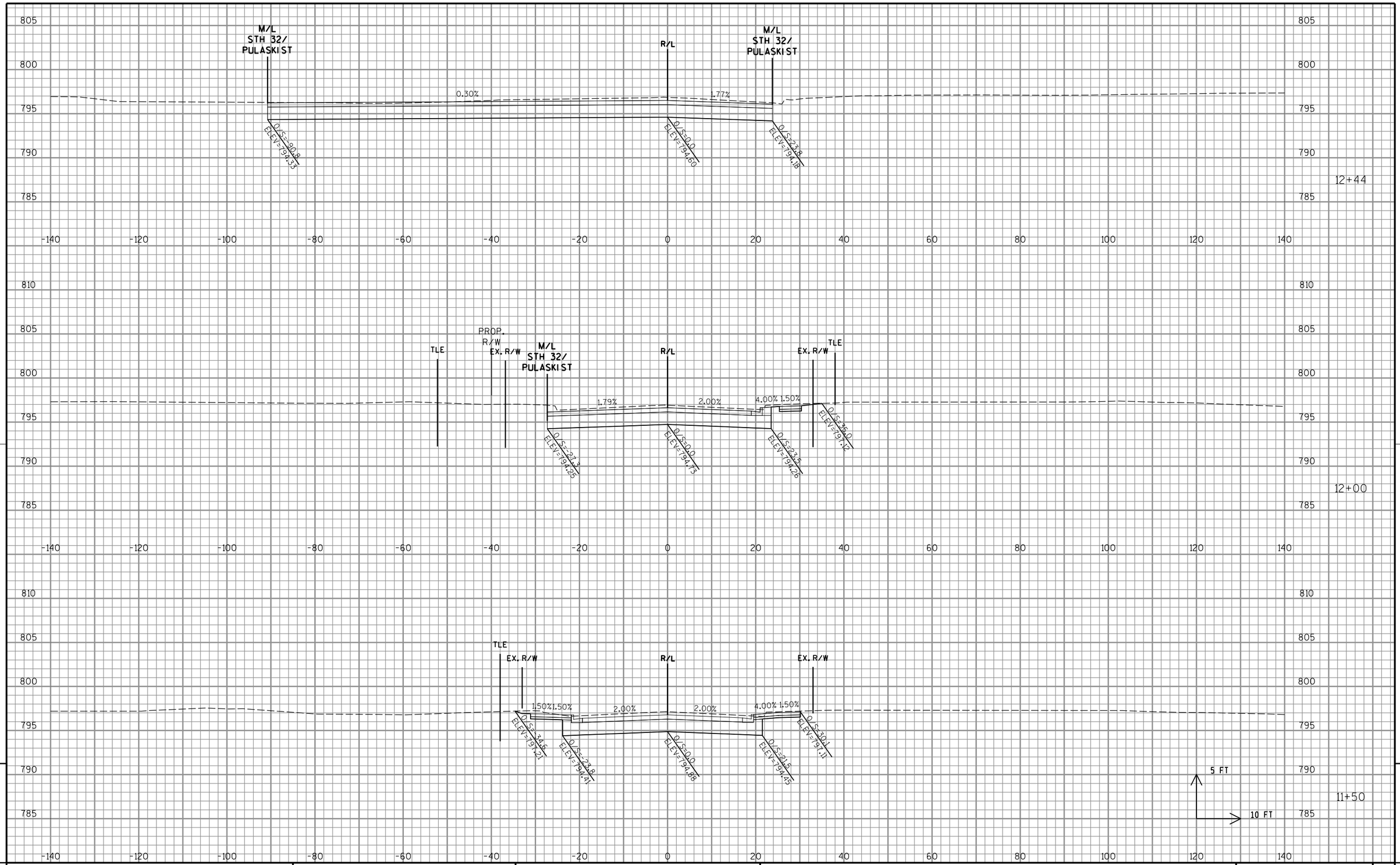
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 283	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



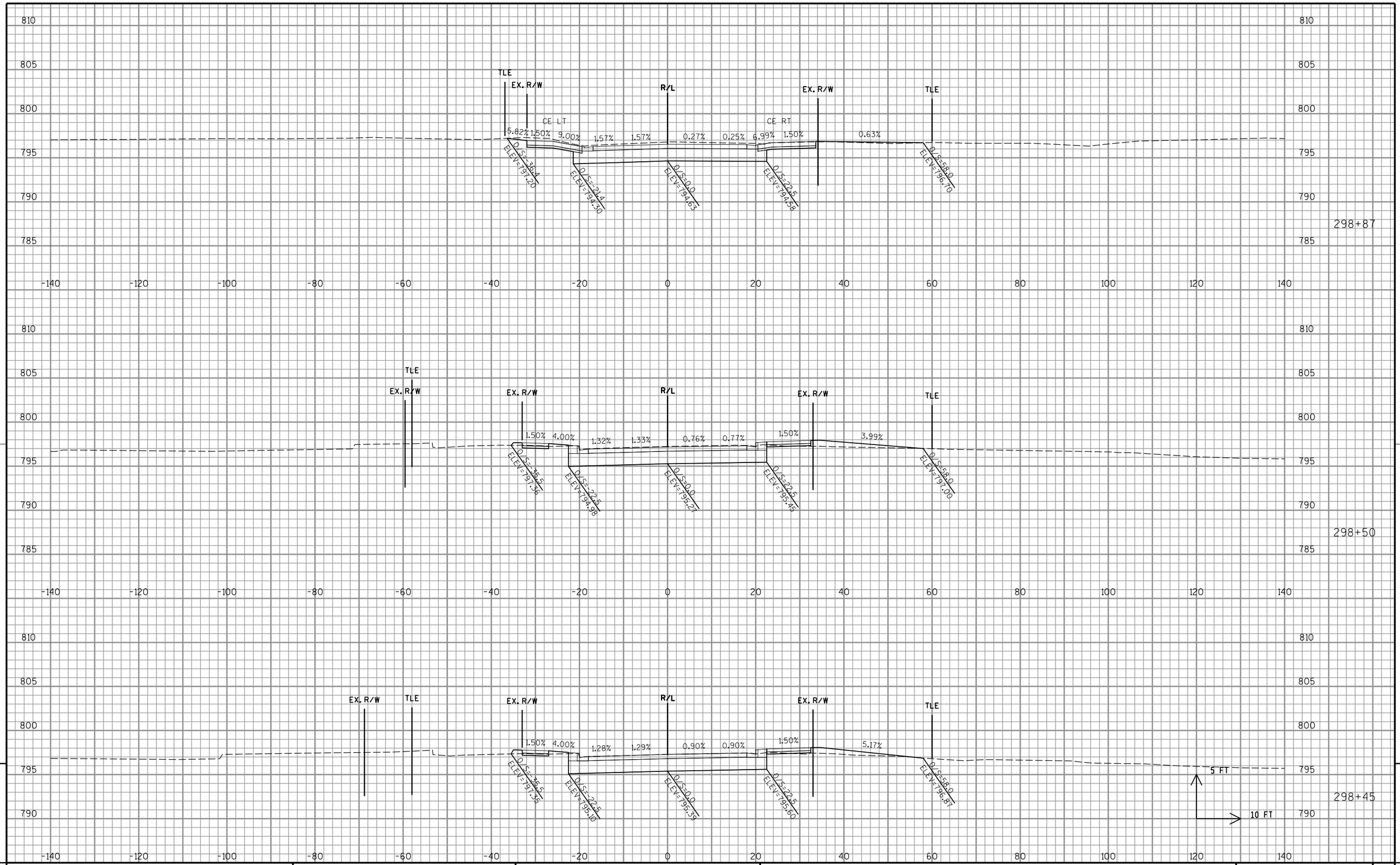
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 284	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



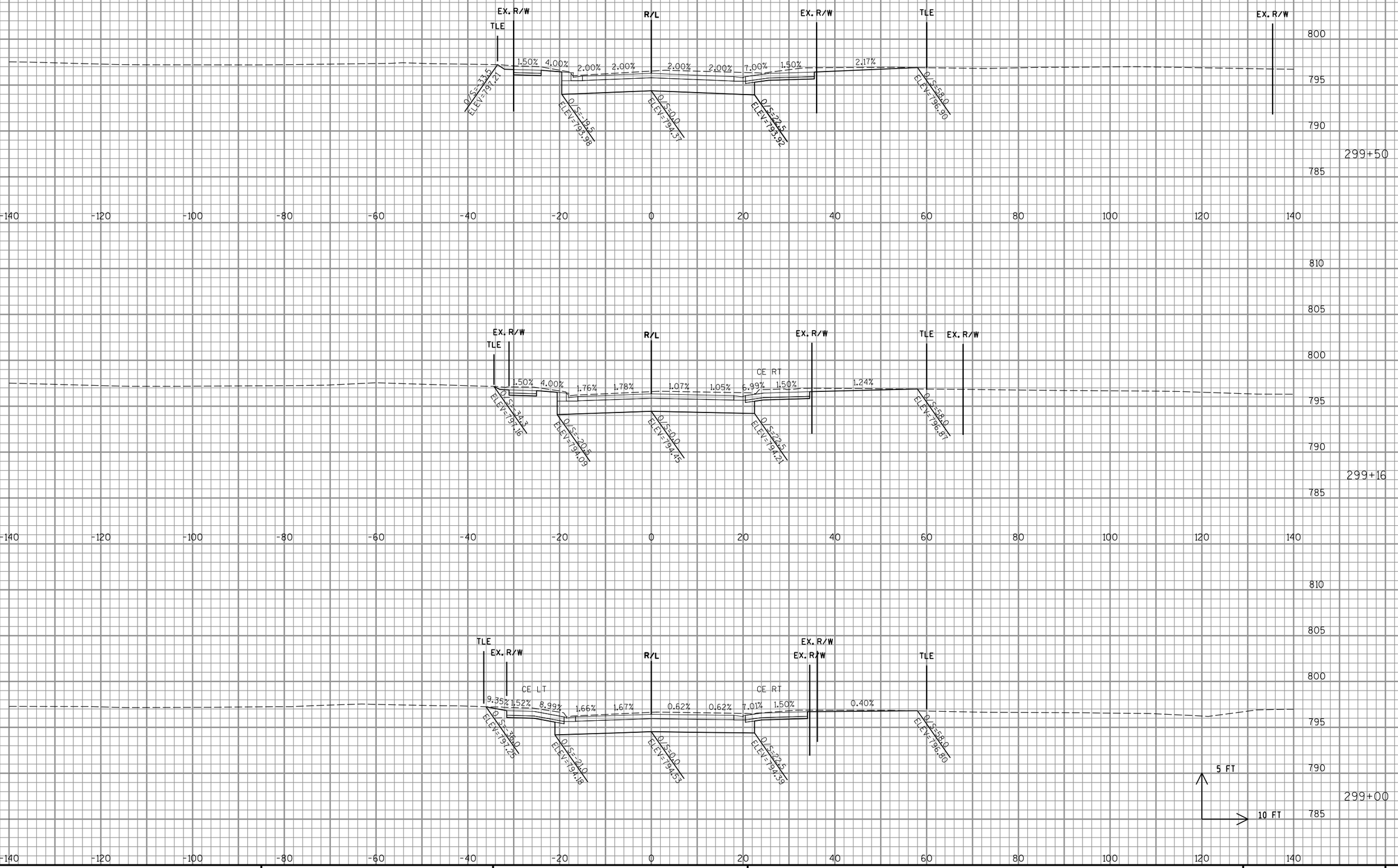
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 285	E

9

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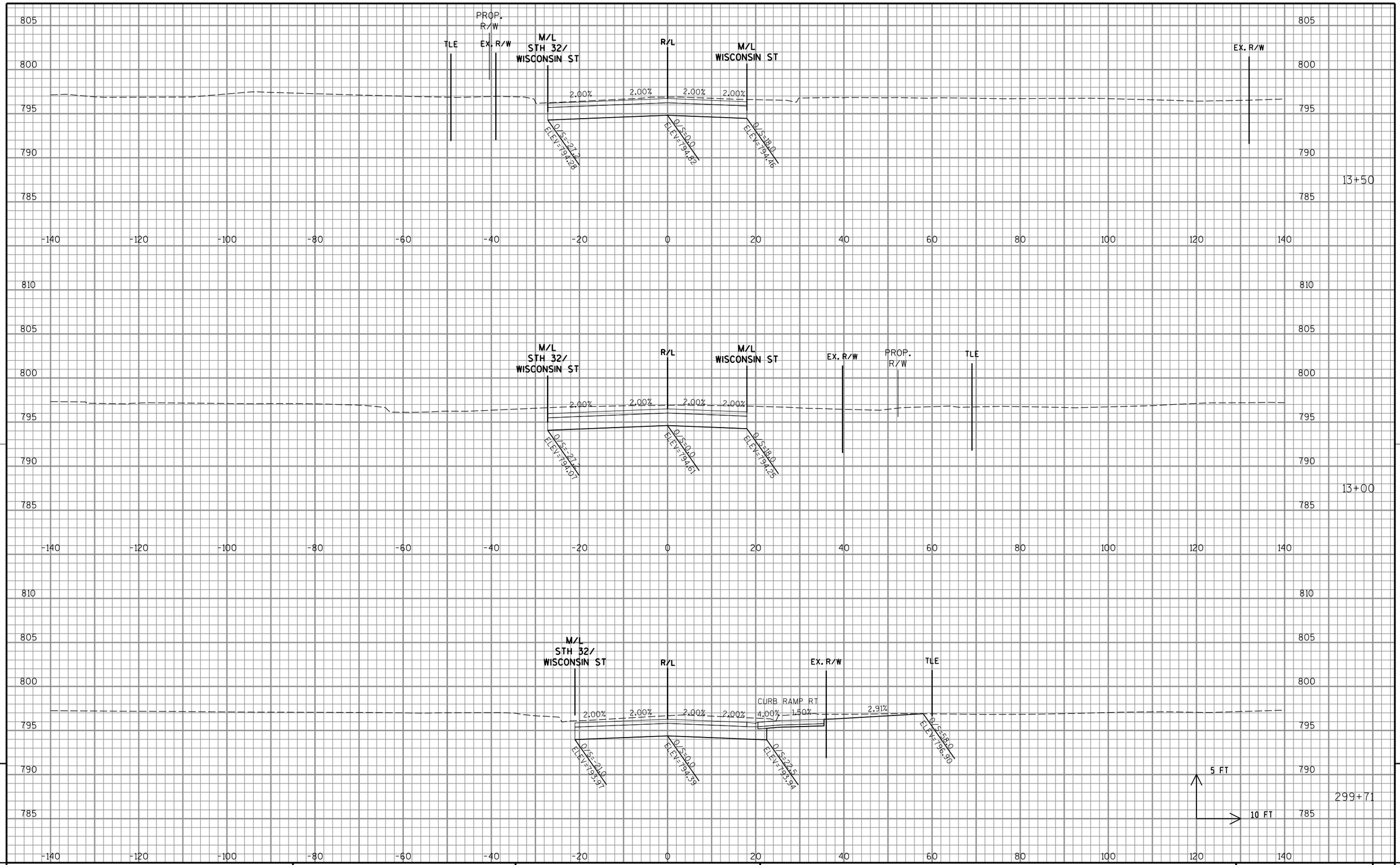
WISDOT/CADDS SHEET 21



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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 286	E



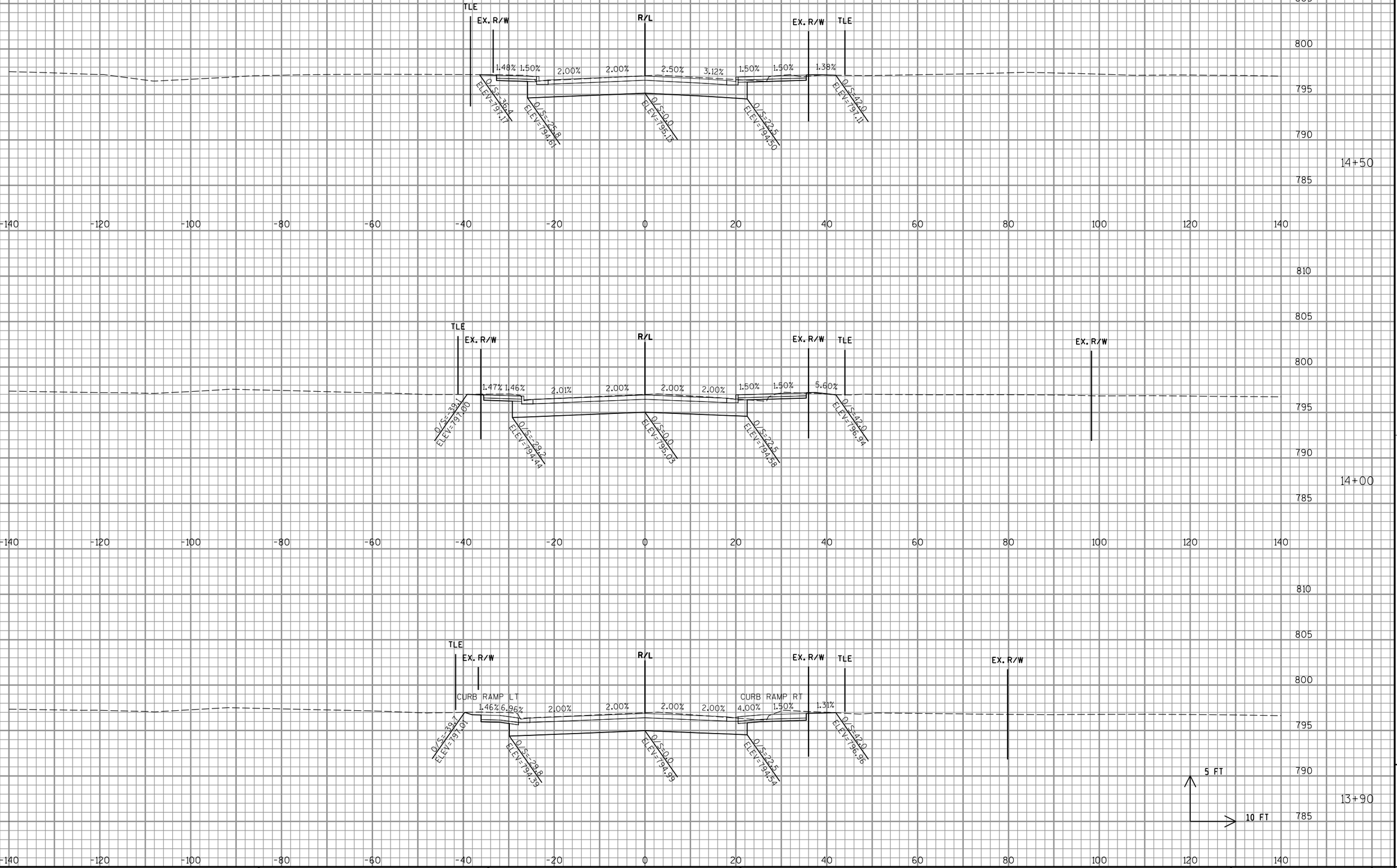
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 287	E

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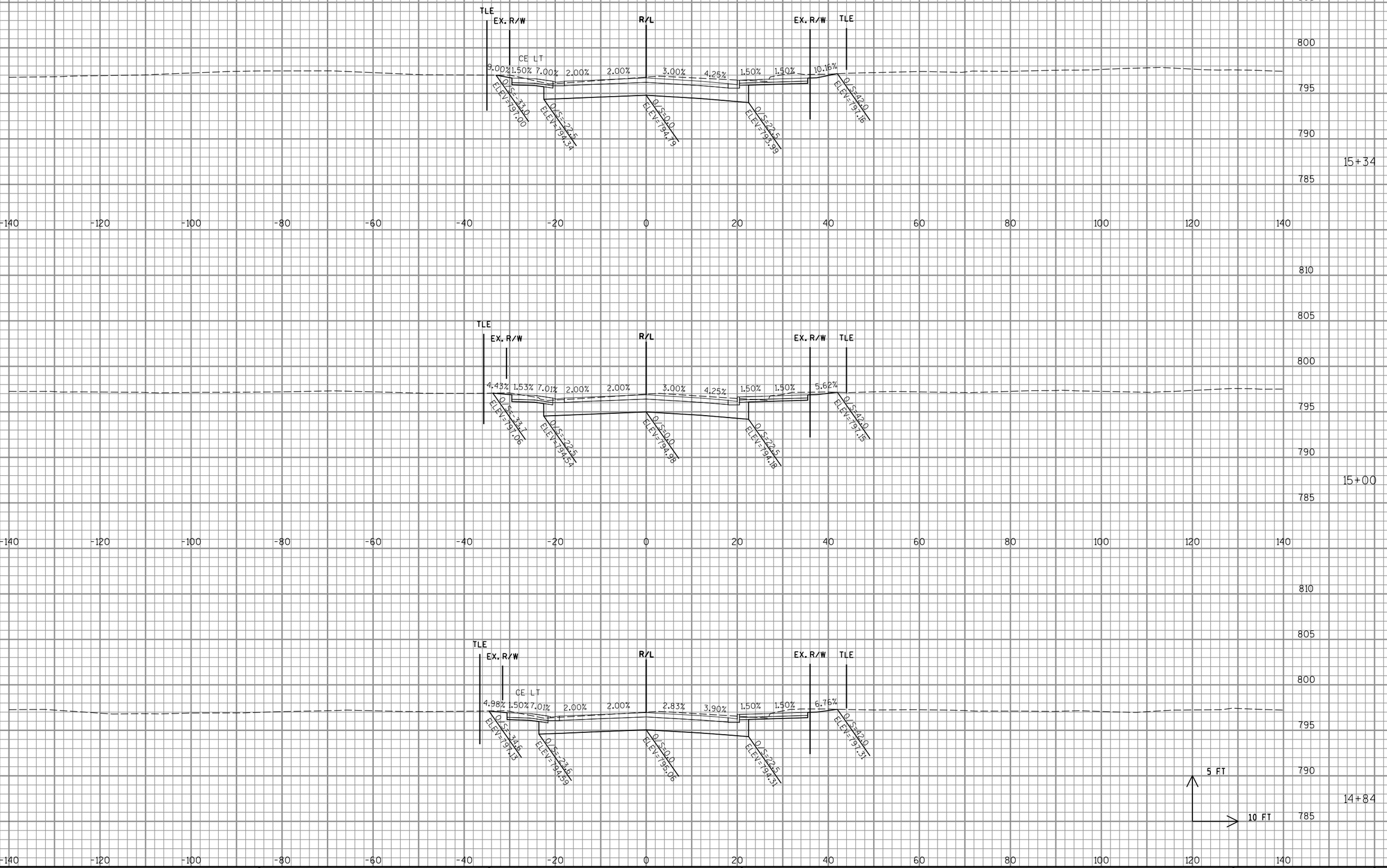
WISDOT/CADDS SHEET 21



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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 288	E



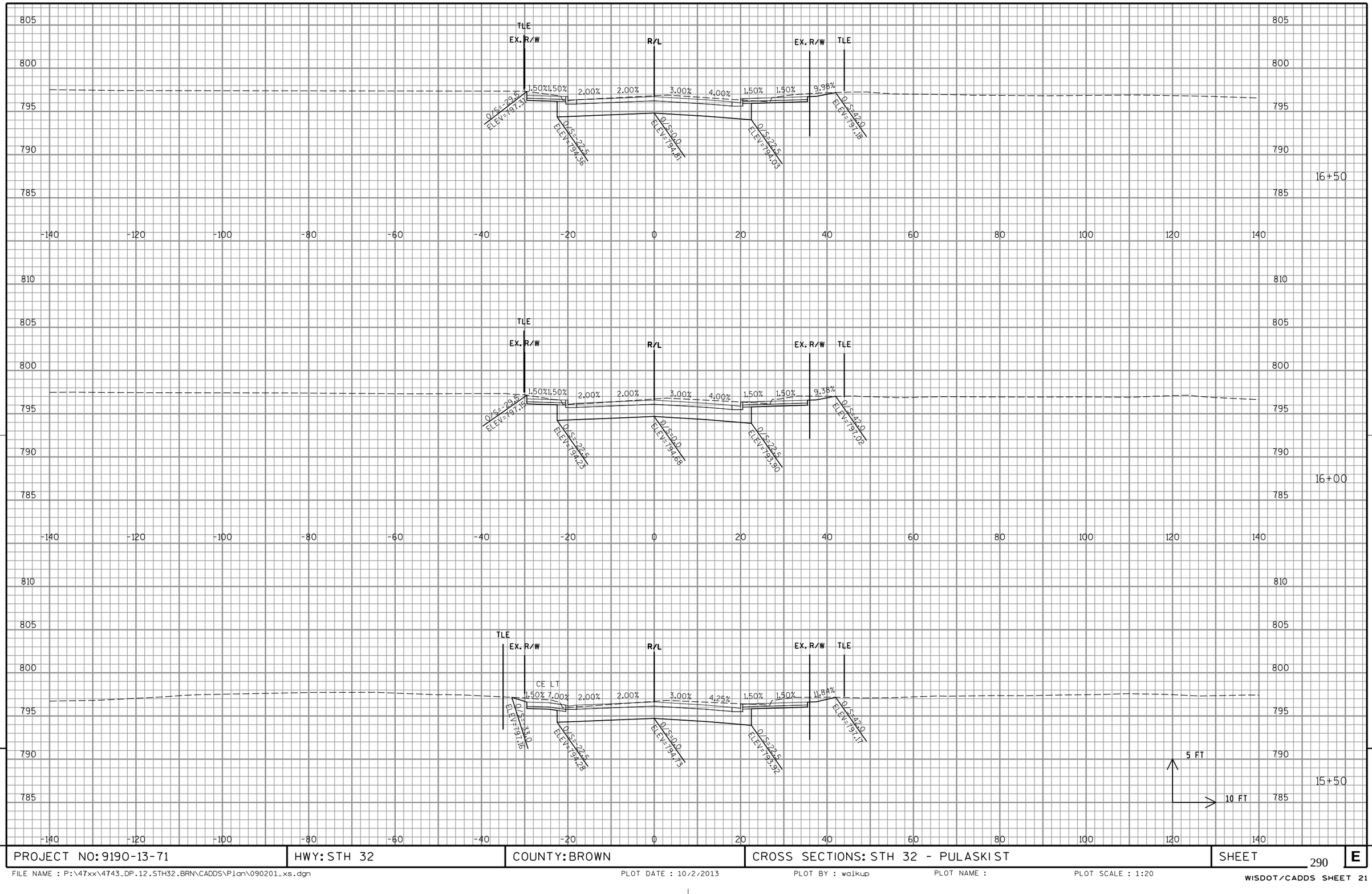
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 289	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



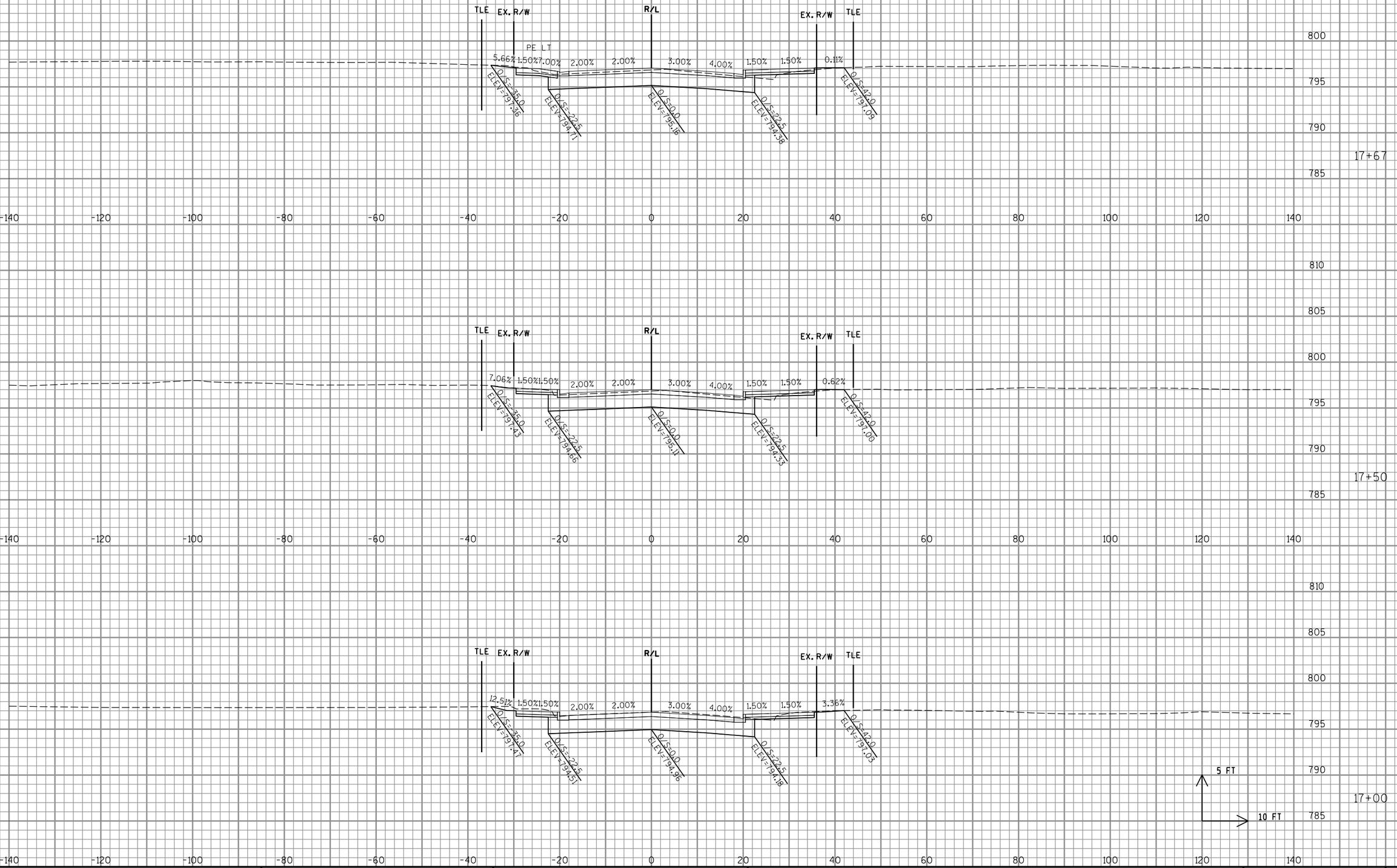
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 290	E

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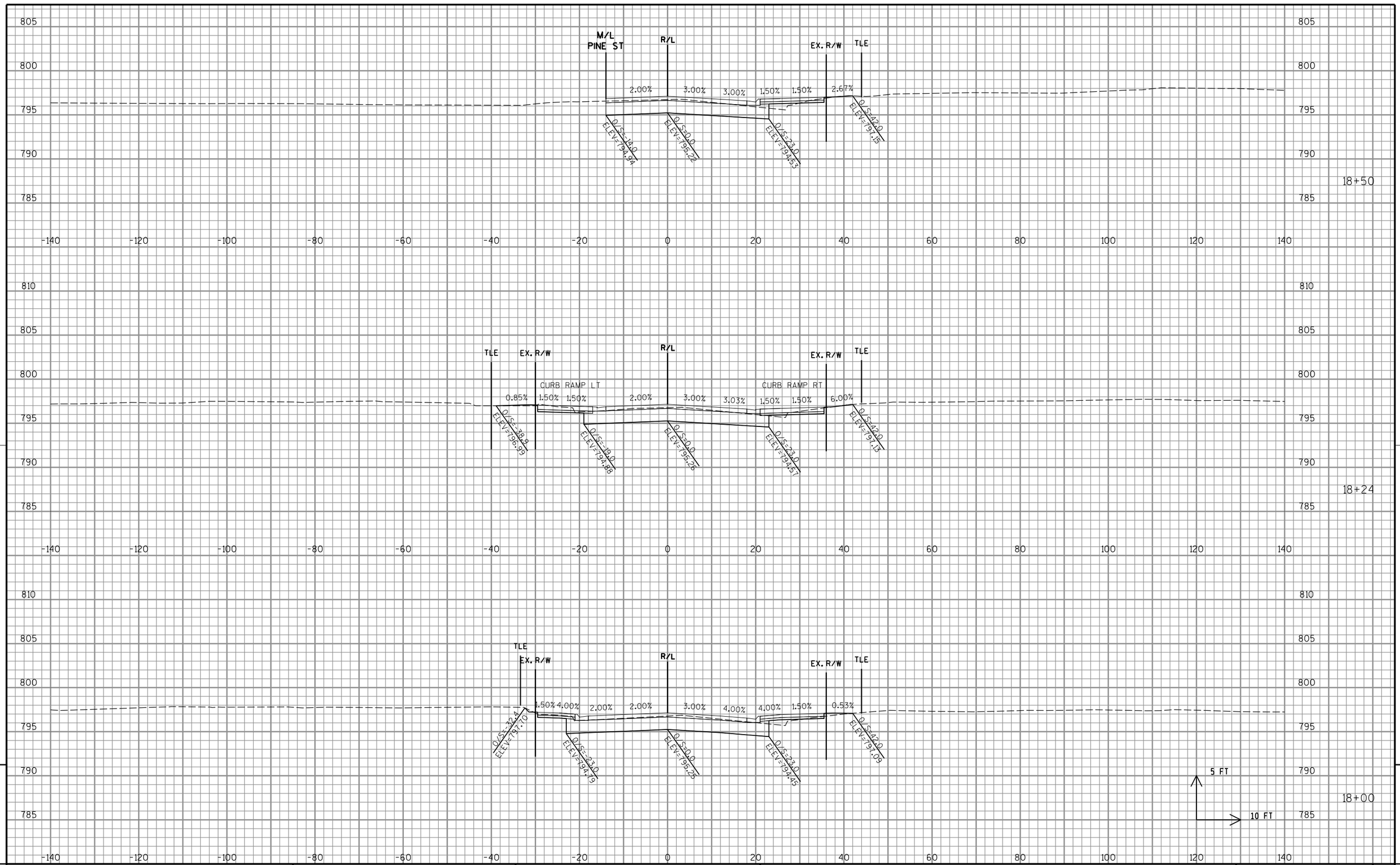
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 291	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

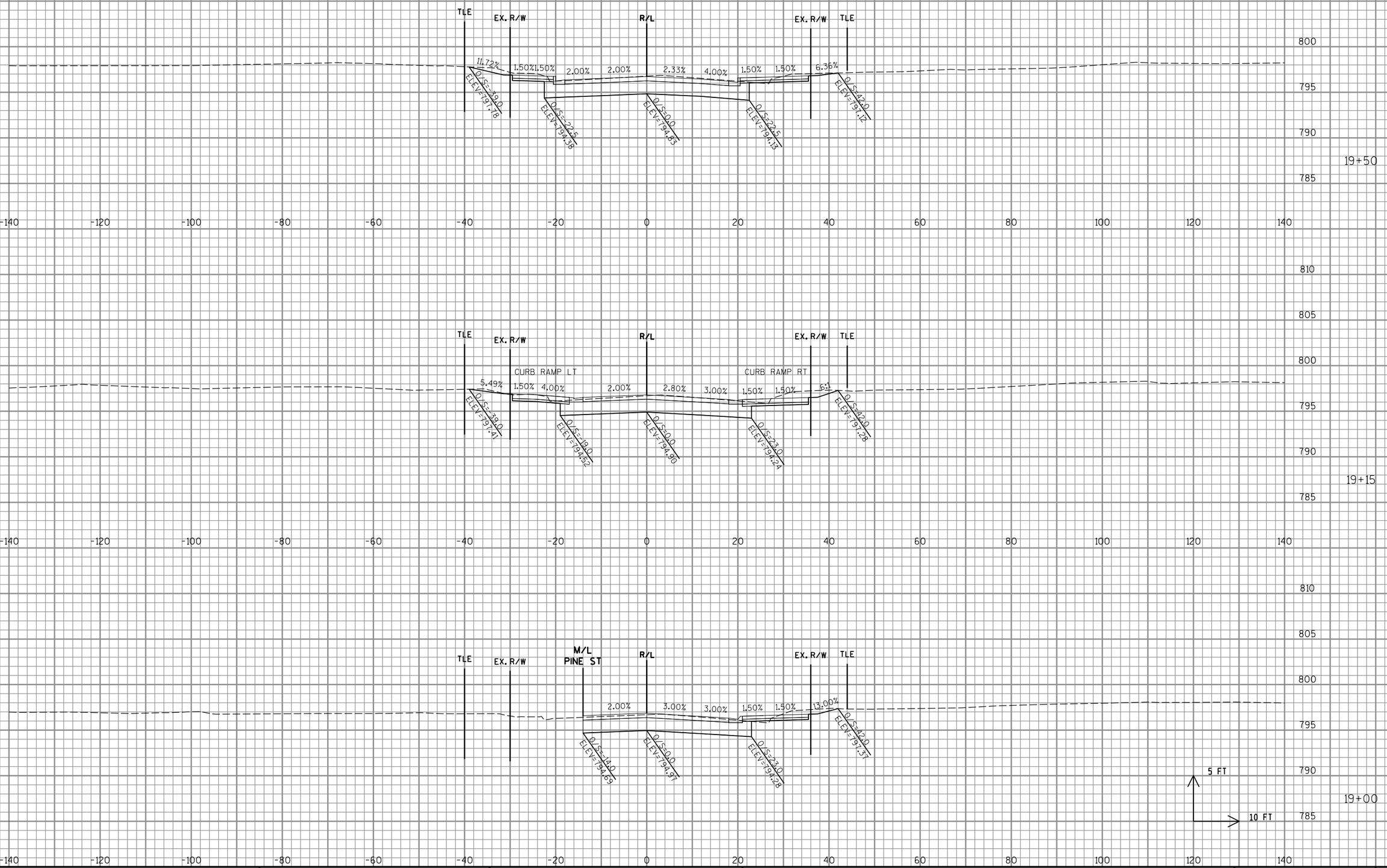
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 292	E

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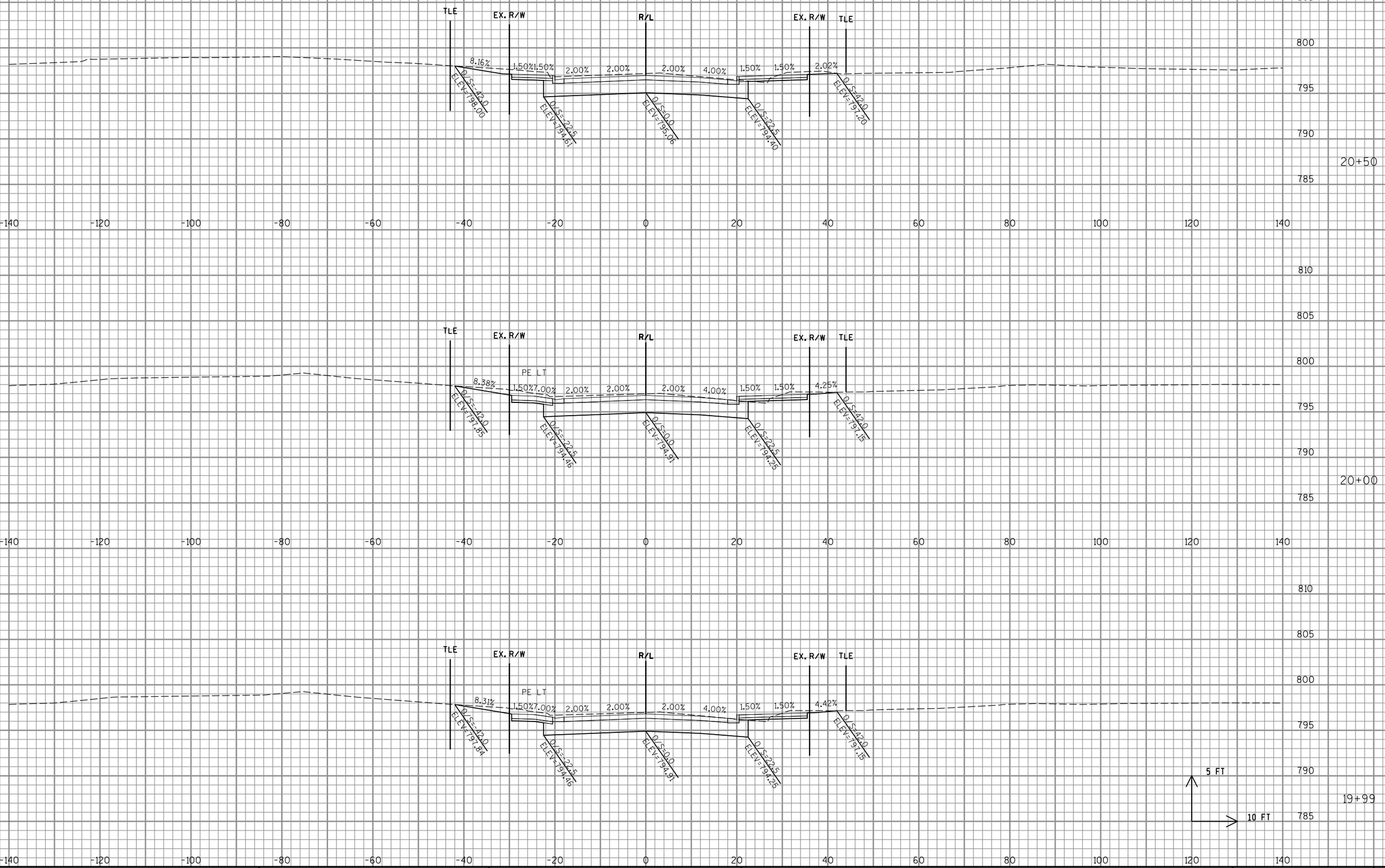
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 293	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

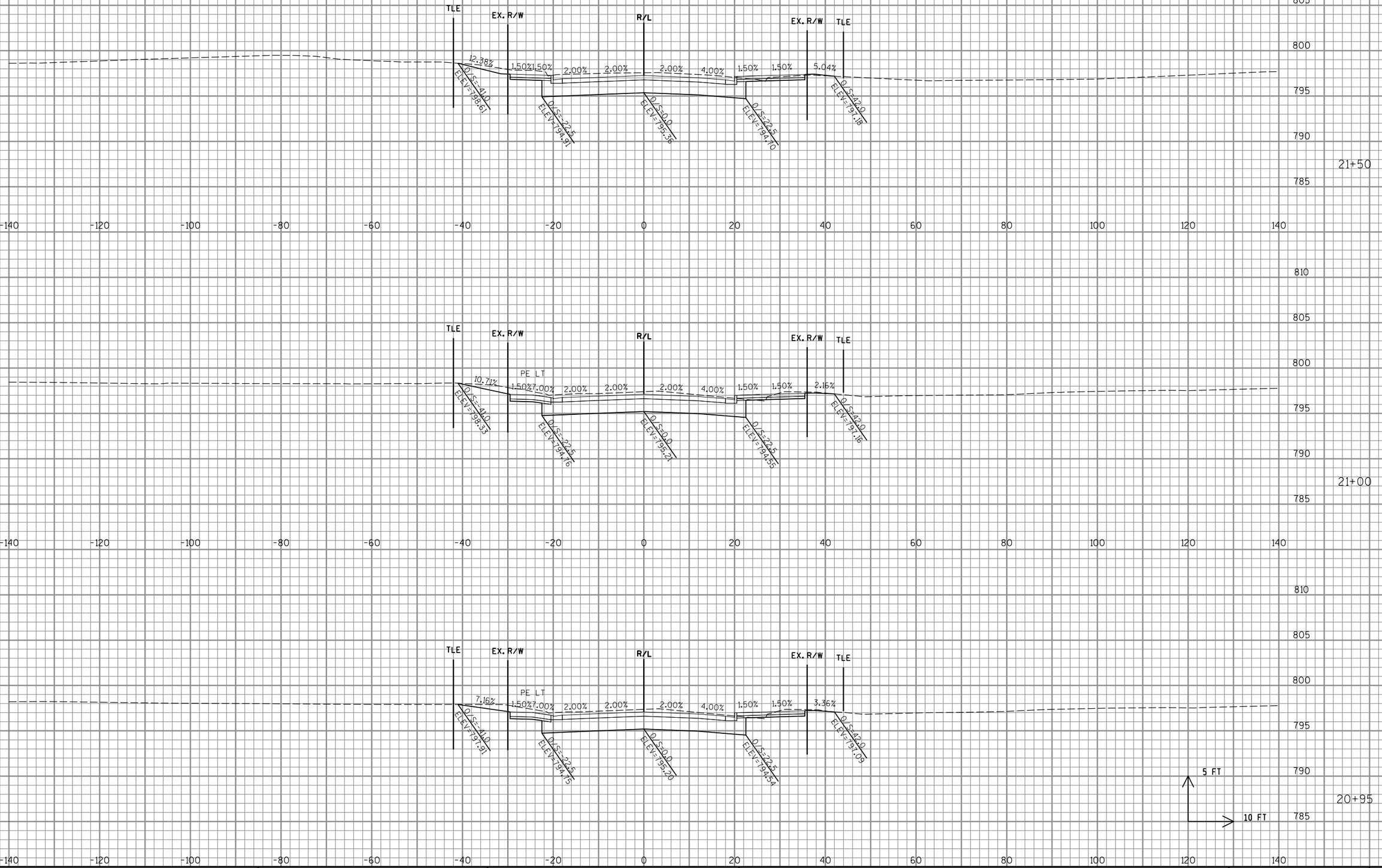
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 294	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

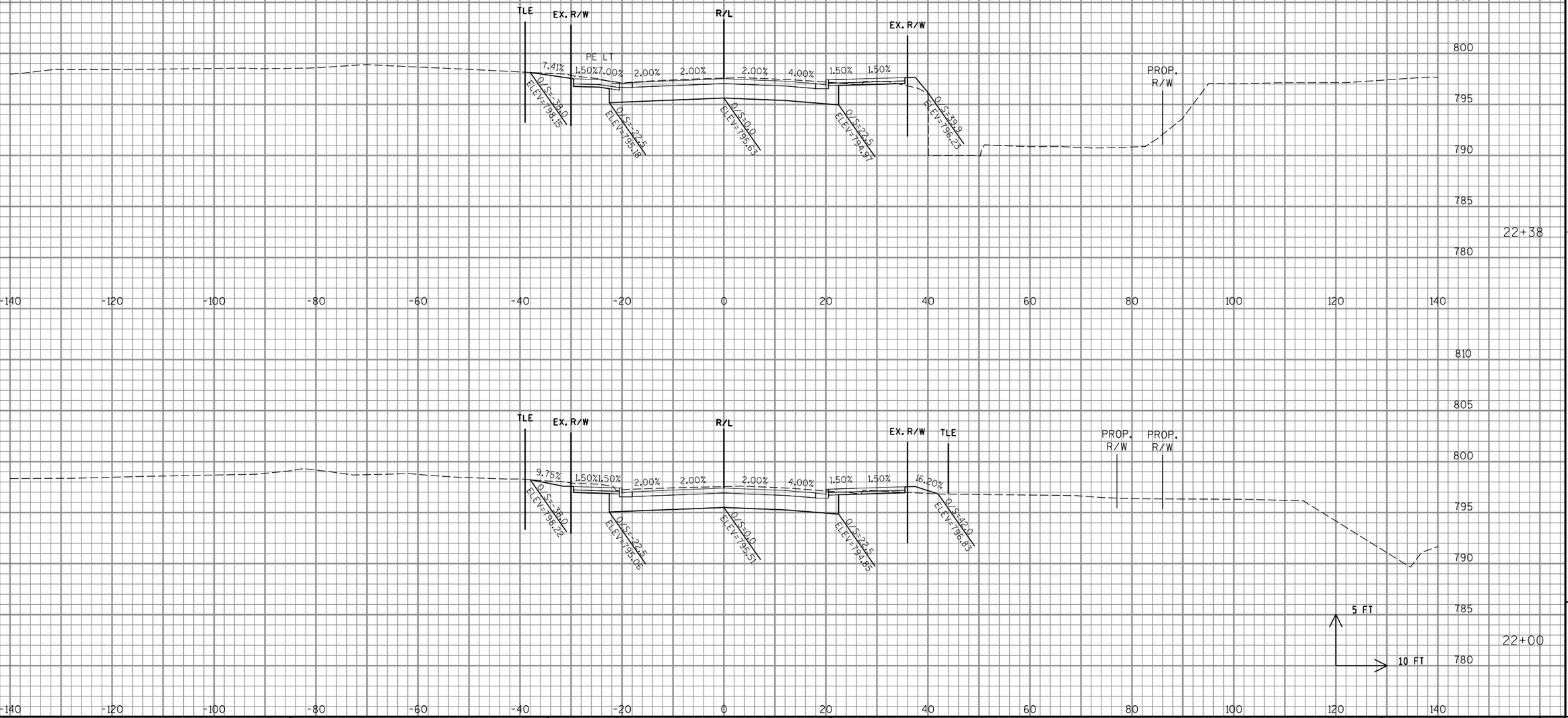
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 295	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

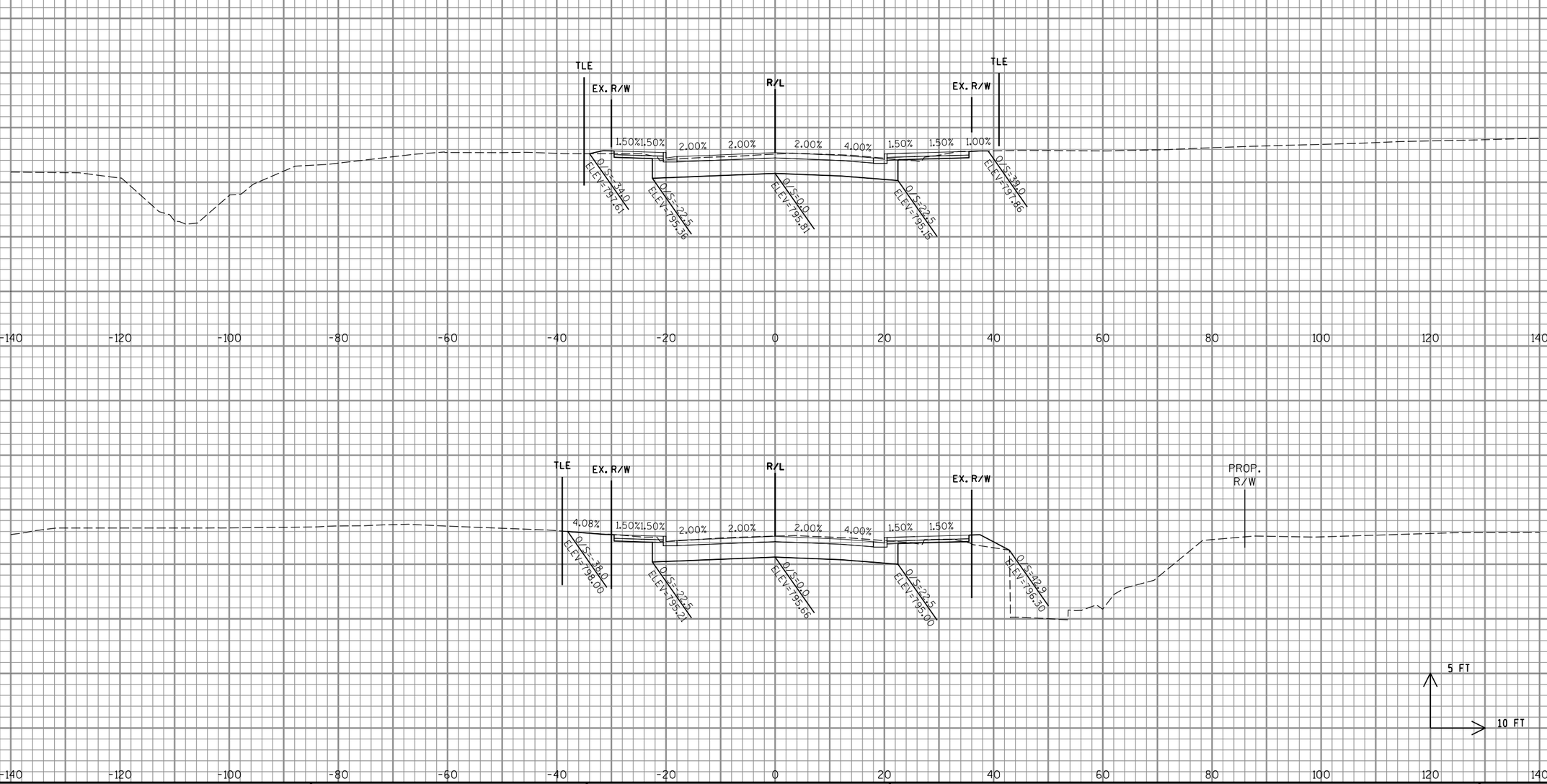
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 296	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



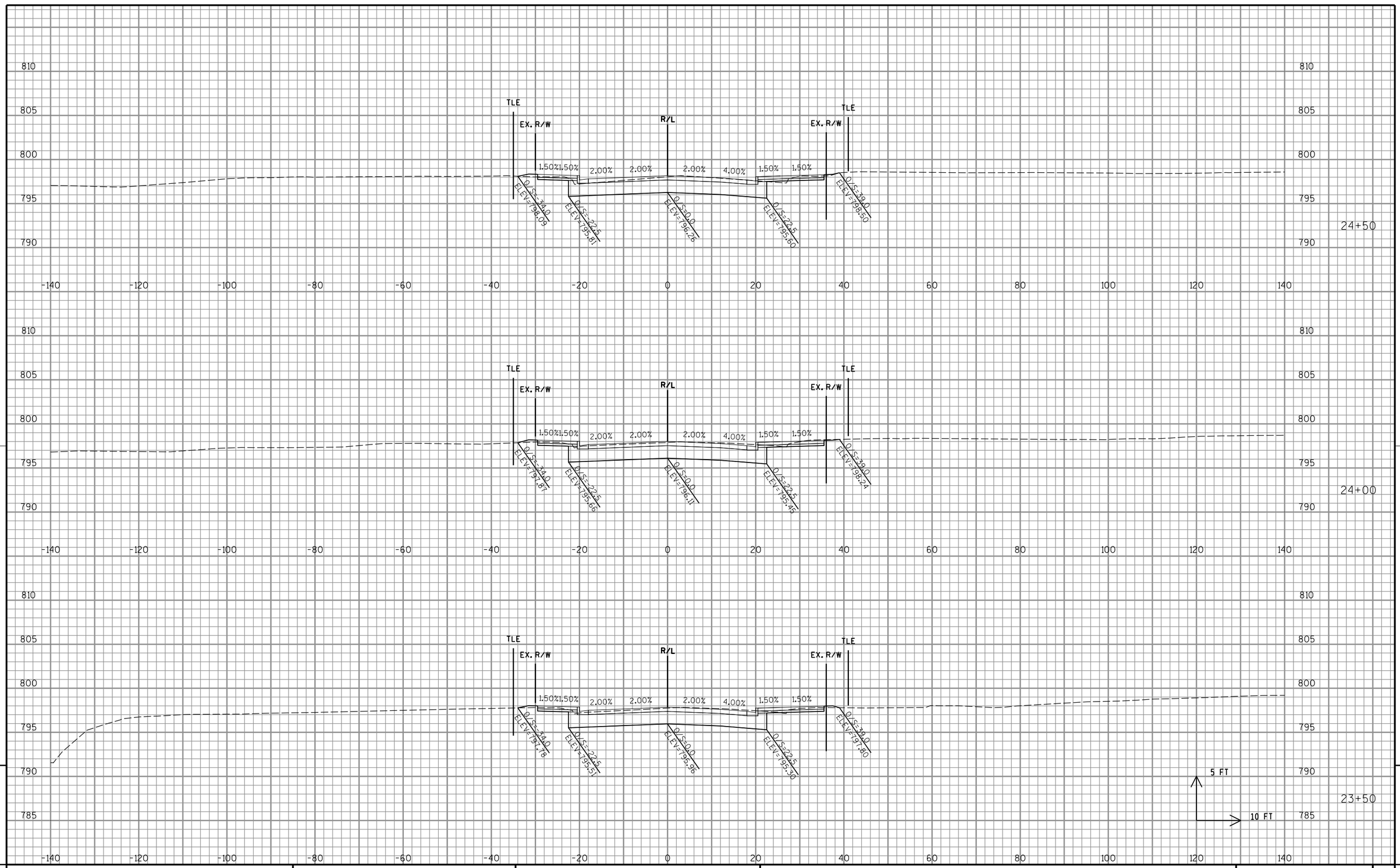
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 297	E

9

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



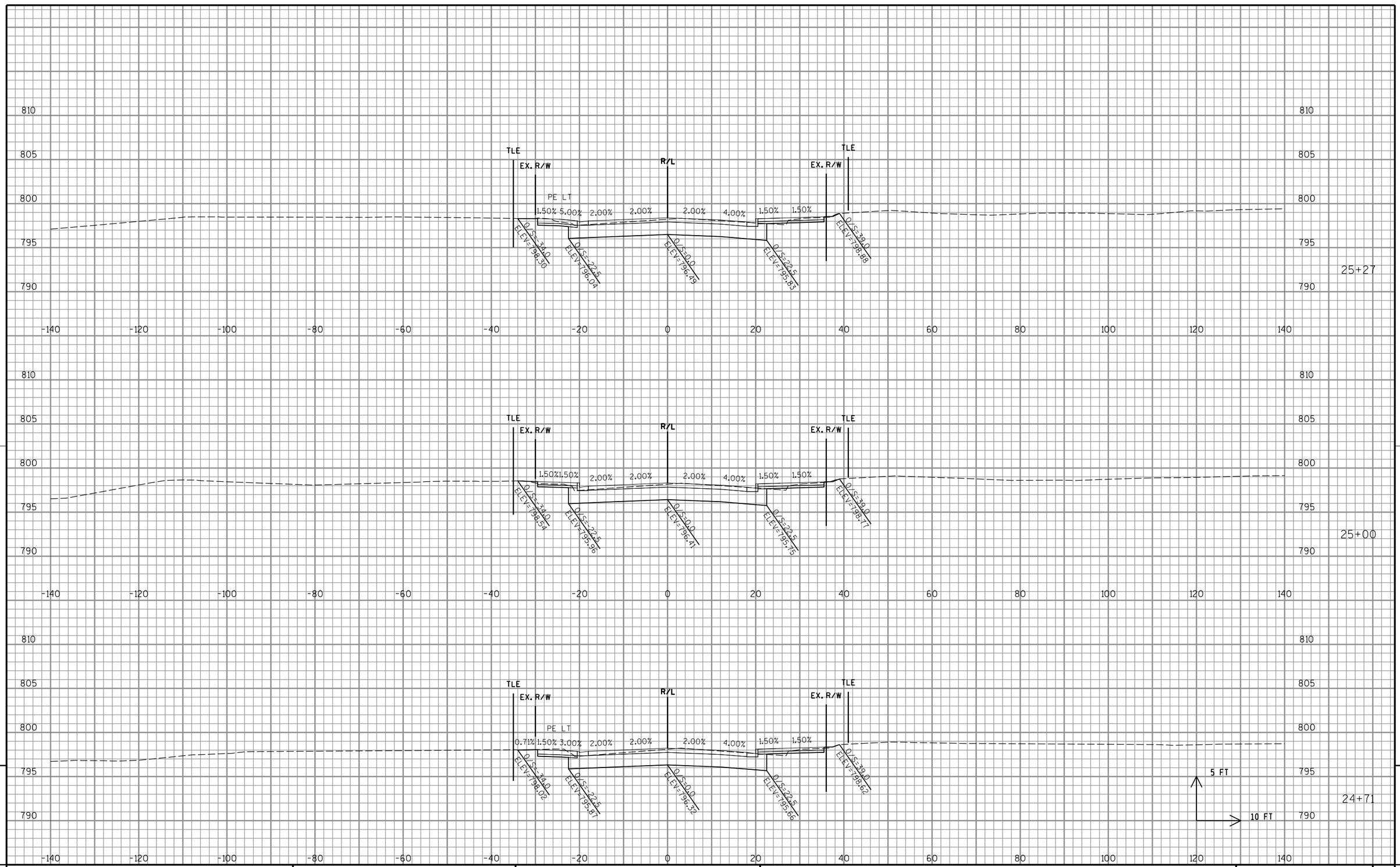
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 298	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



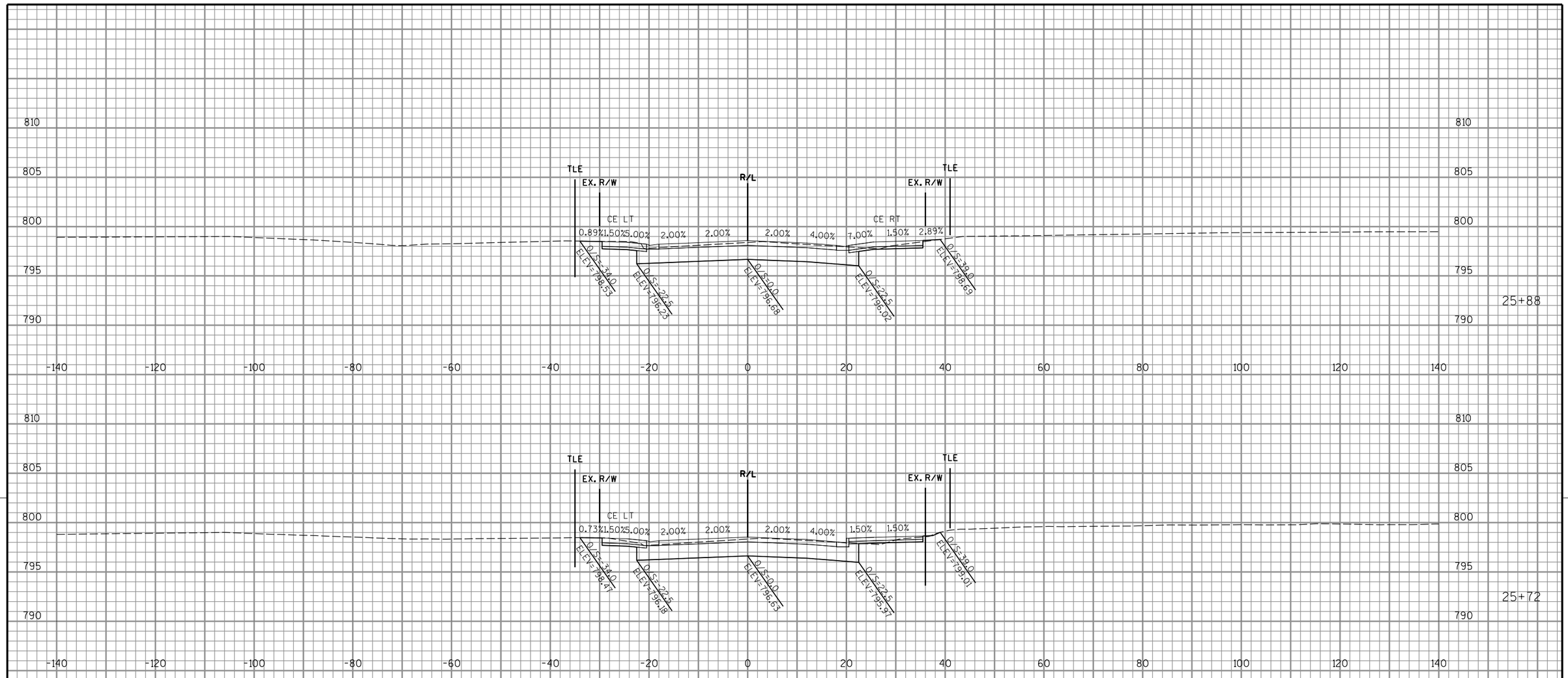
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 299	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



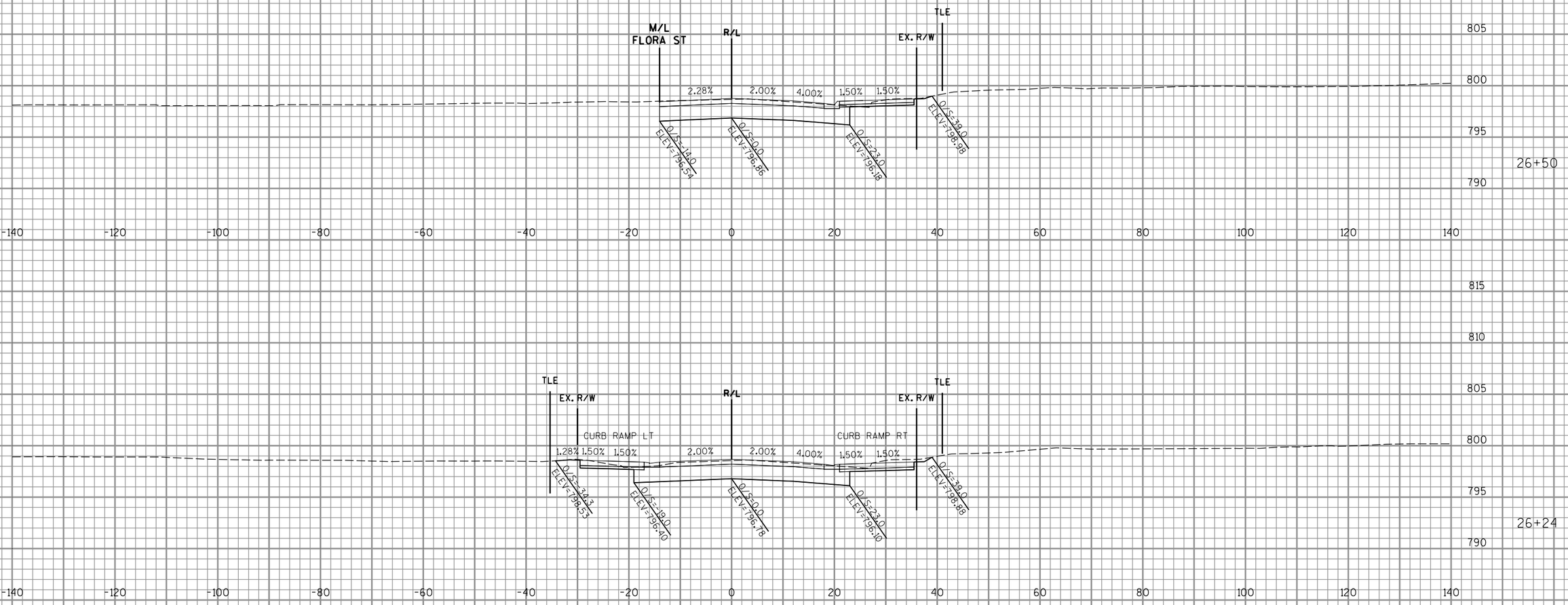
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 300	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



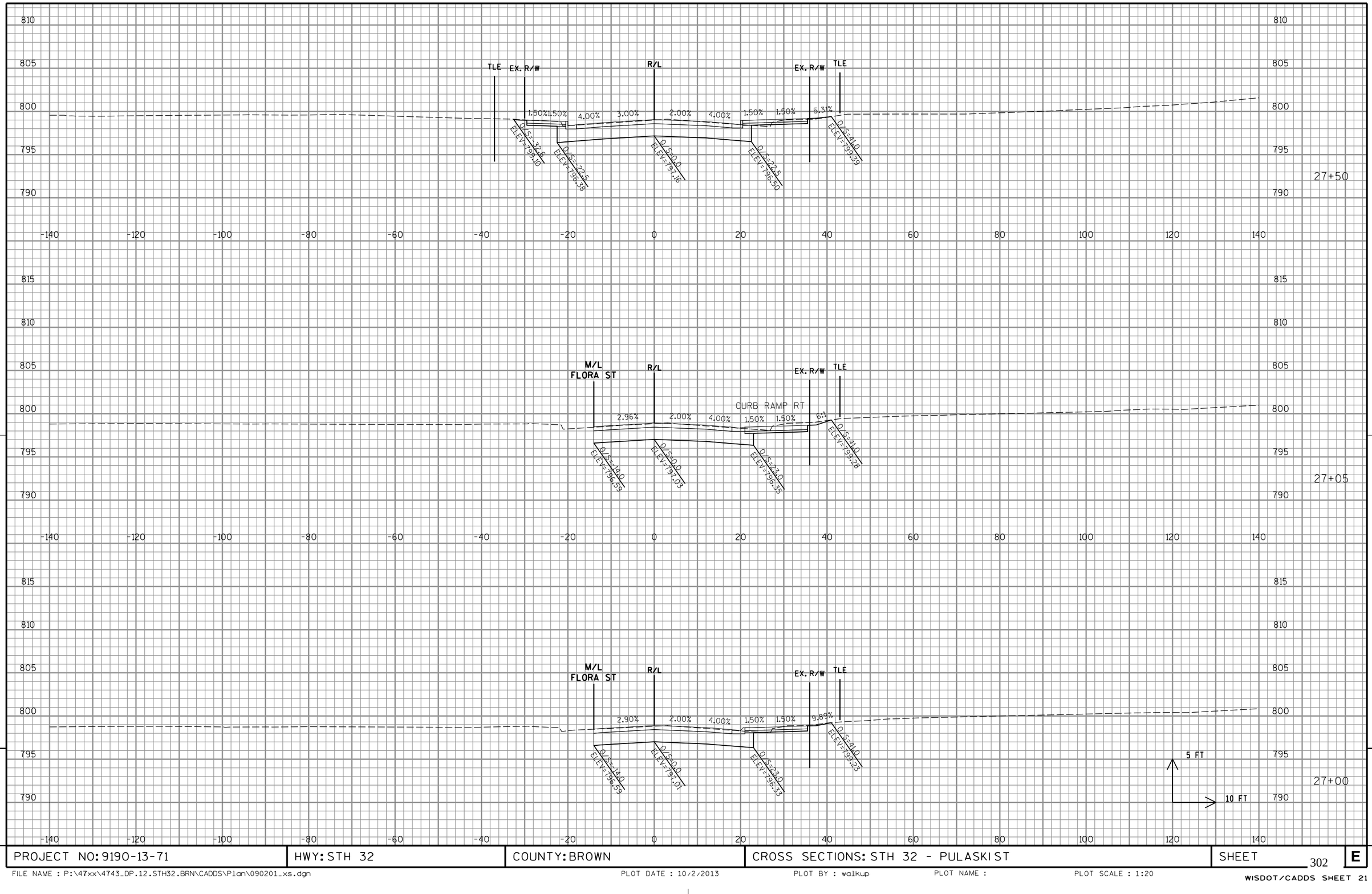
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 301	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



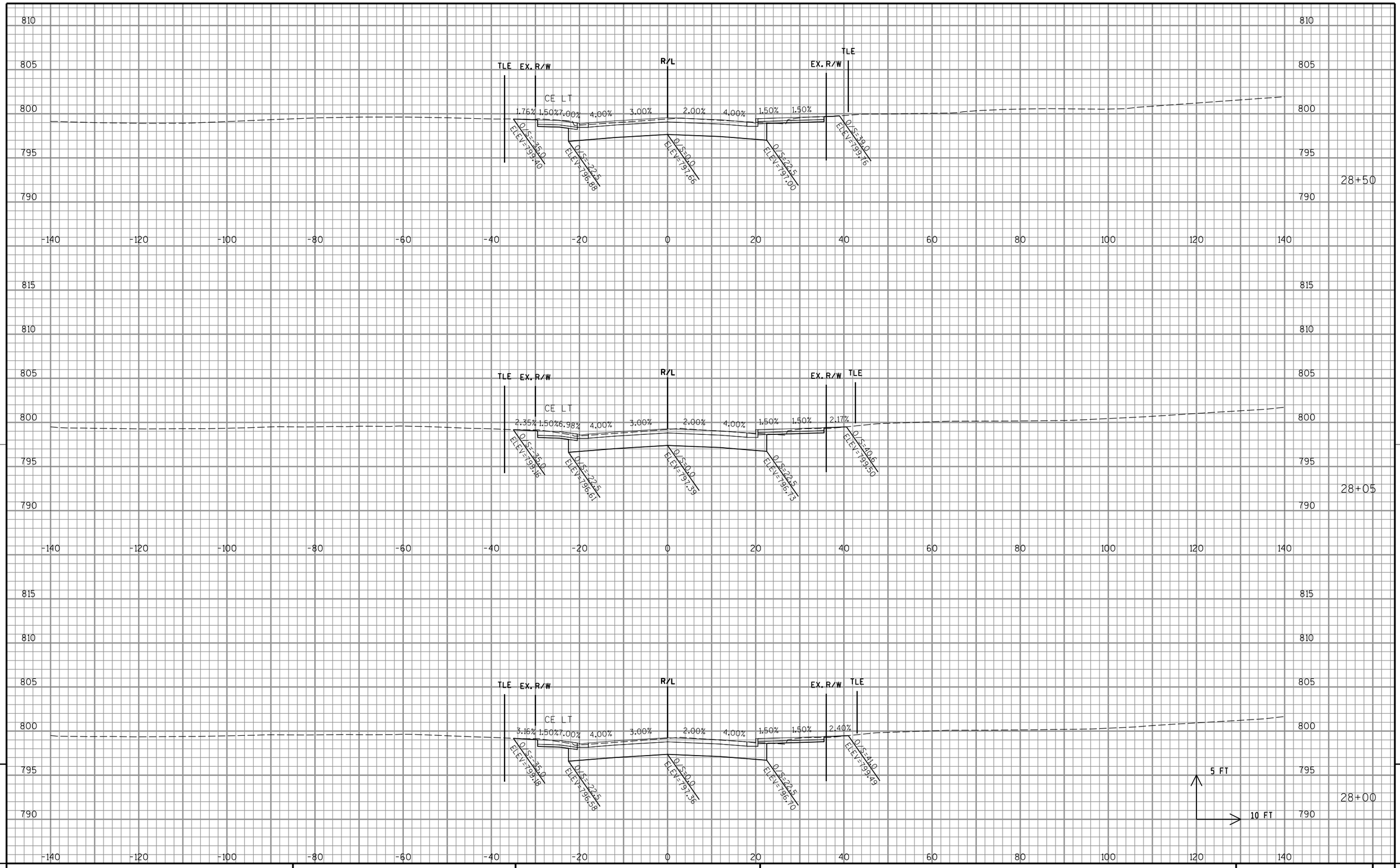
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 302	E

9

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

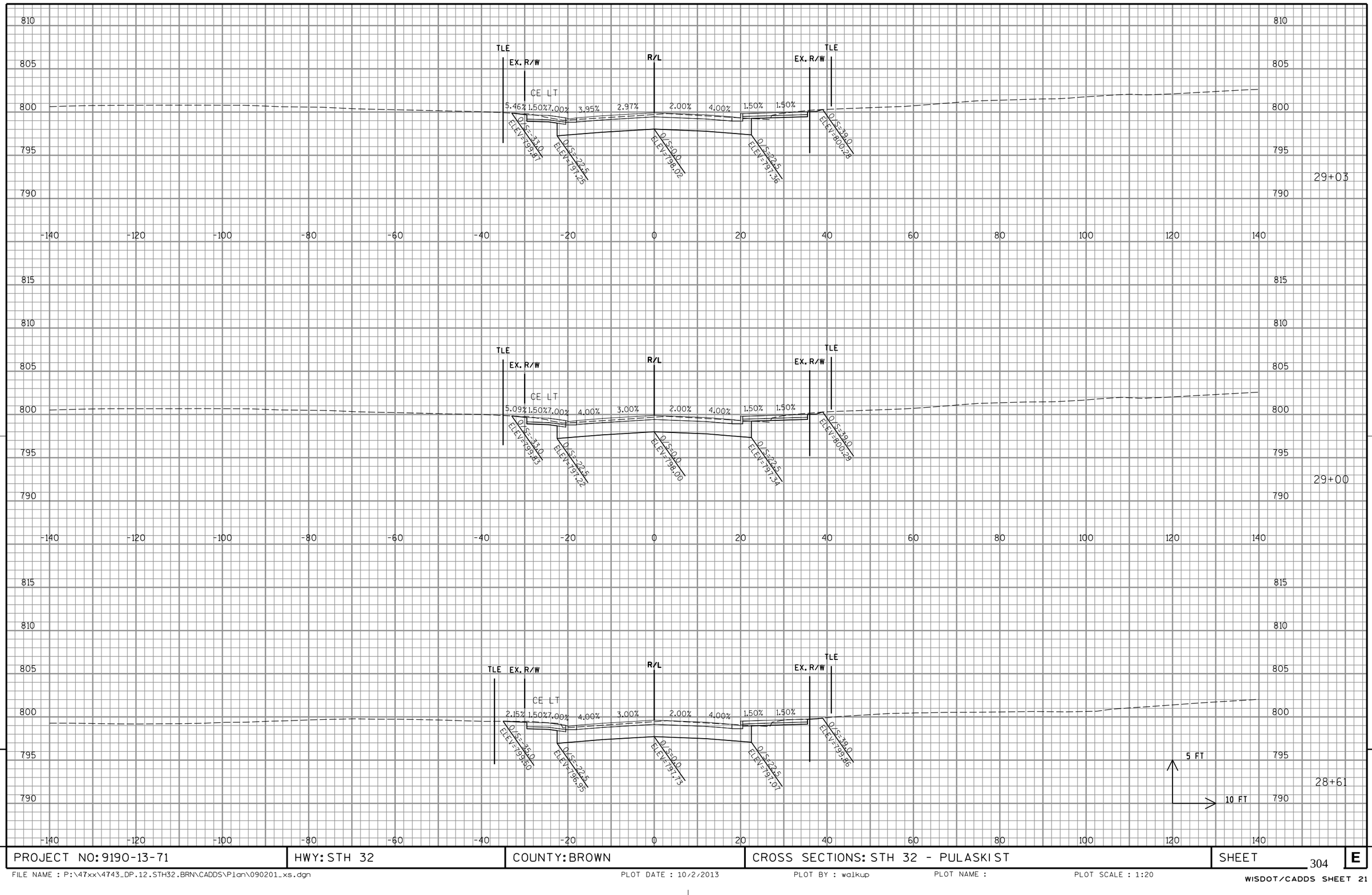


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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 303	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn
PLOT DATE : 10/2/2013
PLOT BY : walkup
PLOT NAME :
PLOT SCALE : 1:20
WISDOT/CADDS SHEET 21



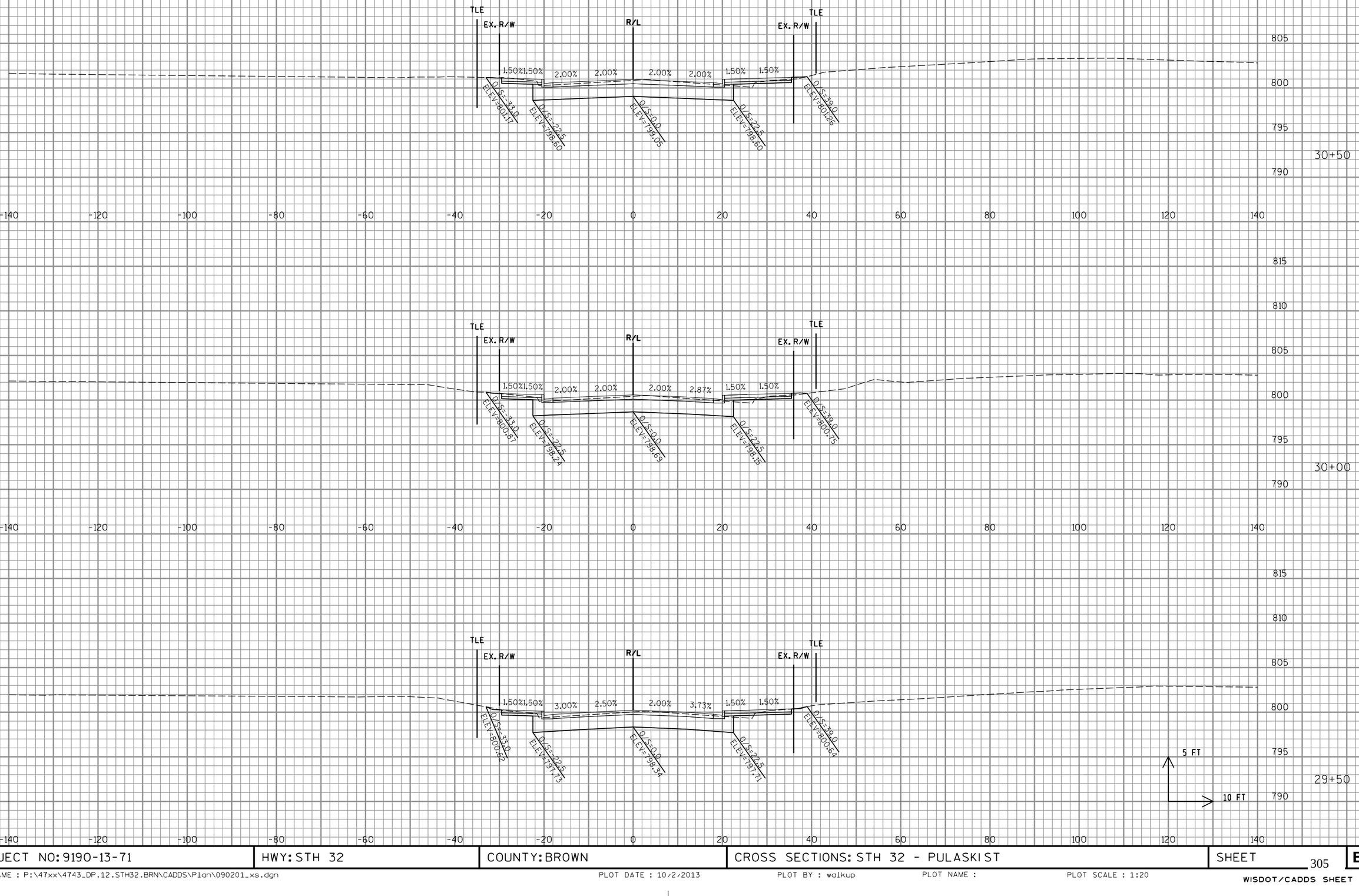
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 304	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



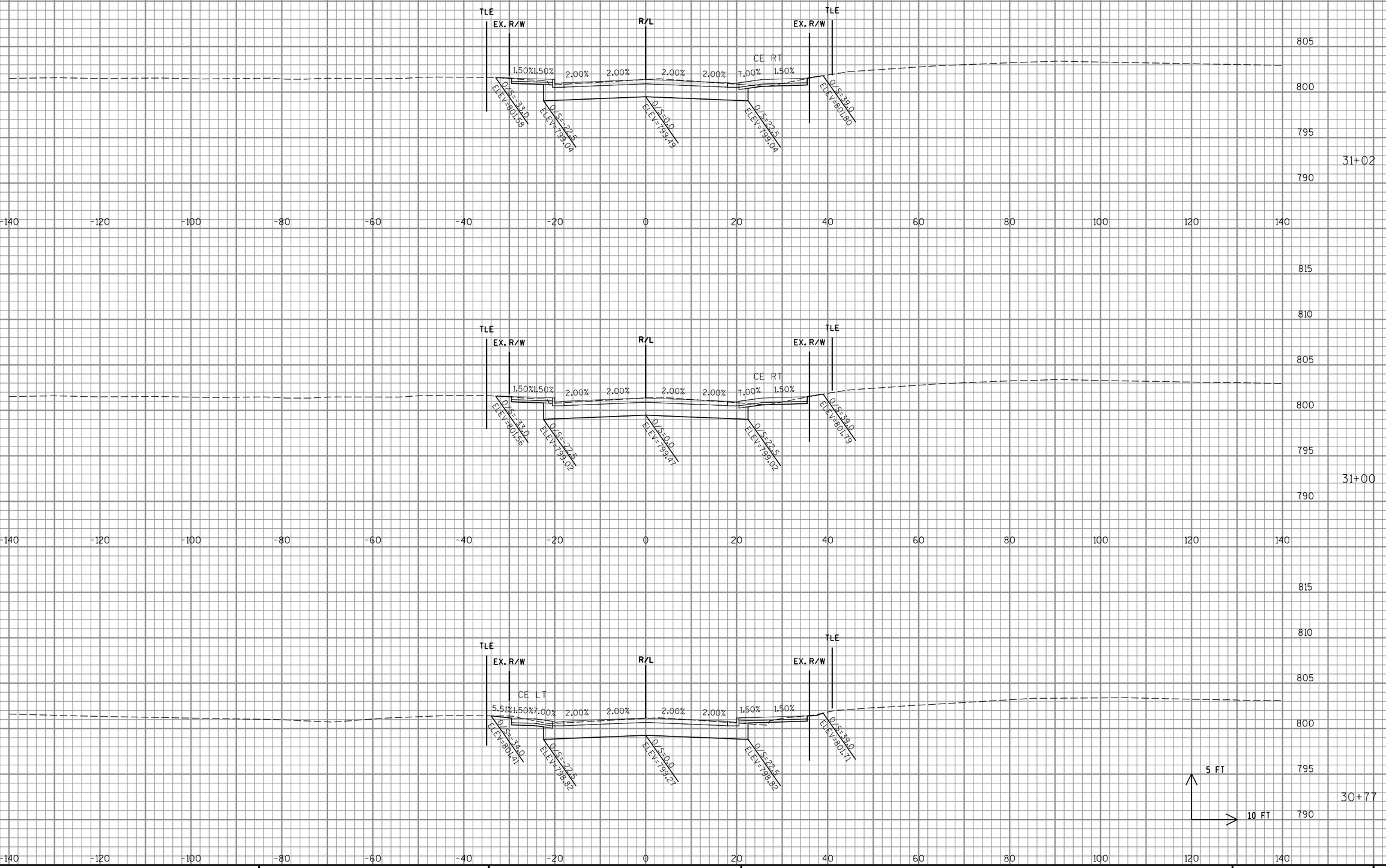
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 305	E

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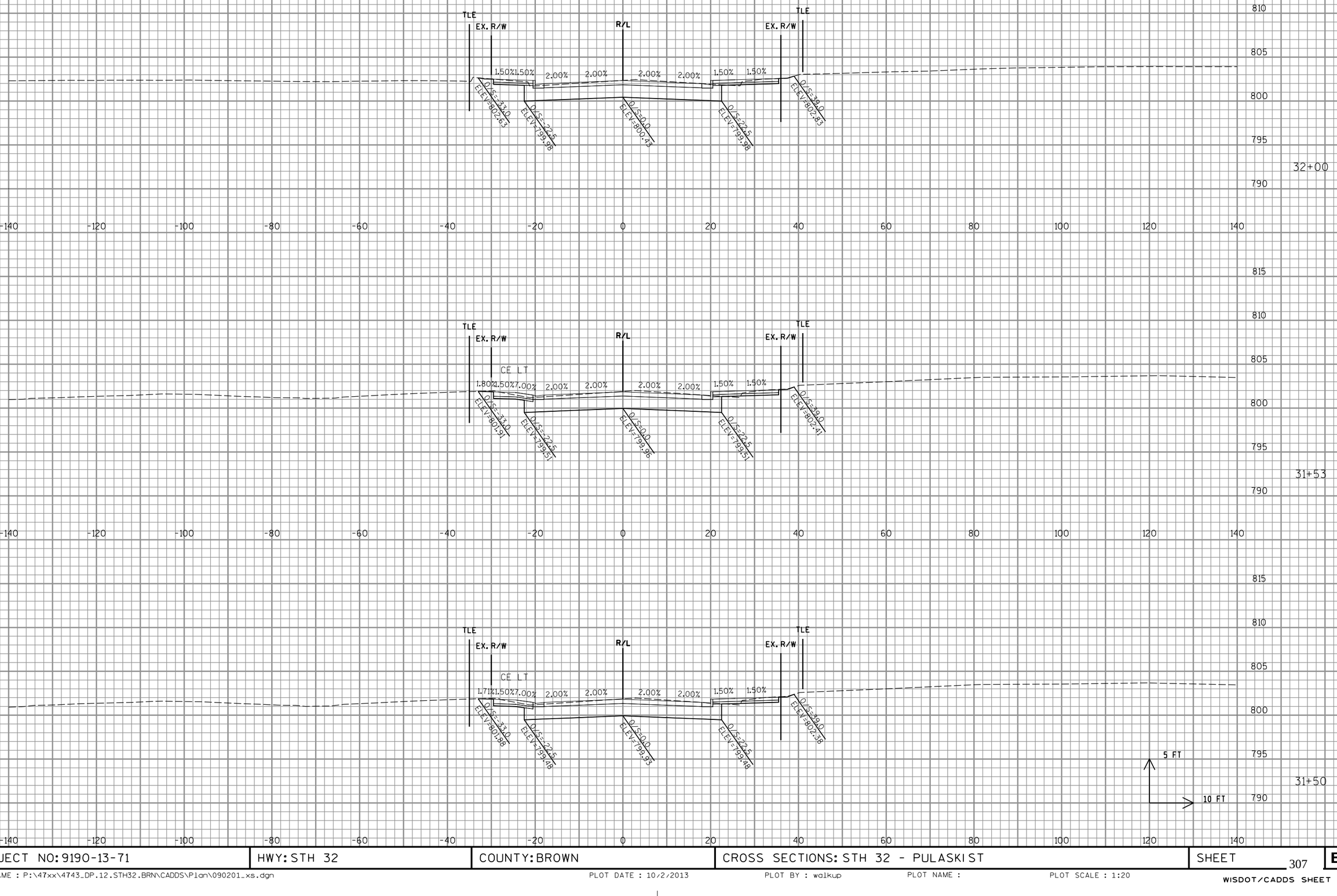
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 306	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

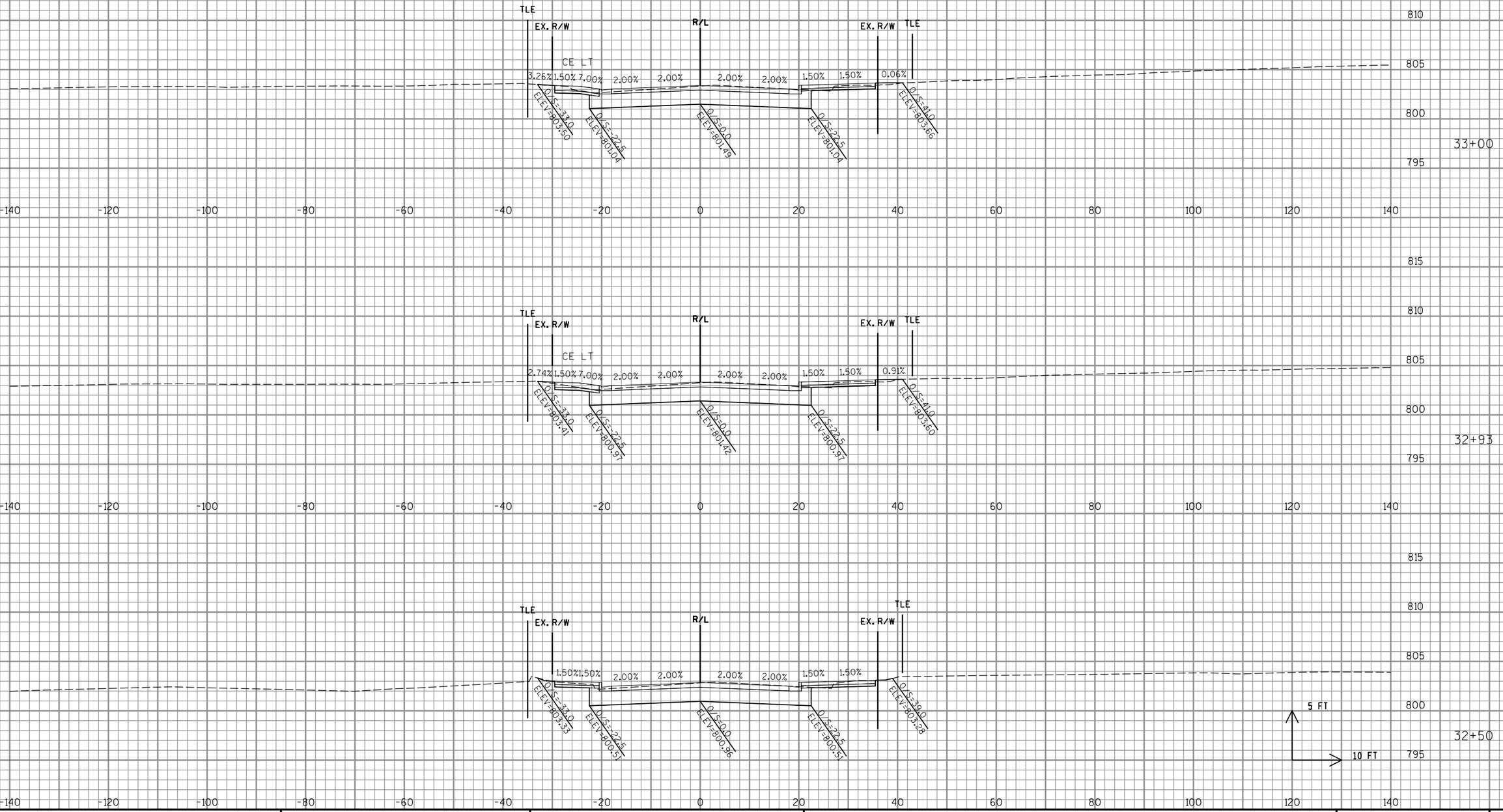
WISDOT/CADDS SHEET 21



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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 307	E



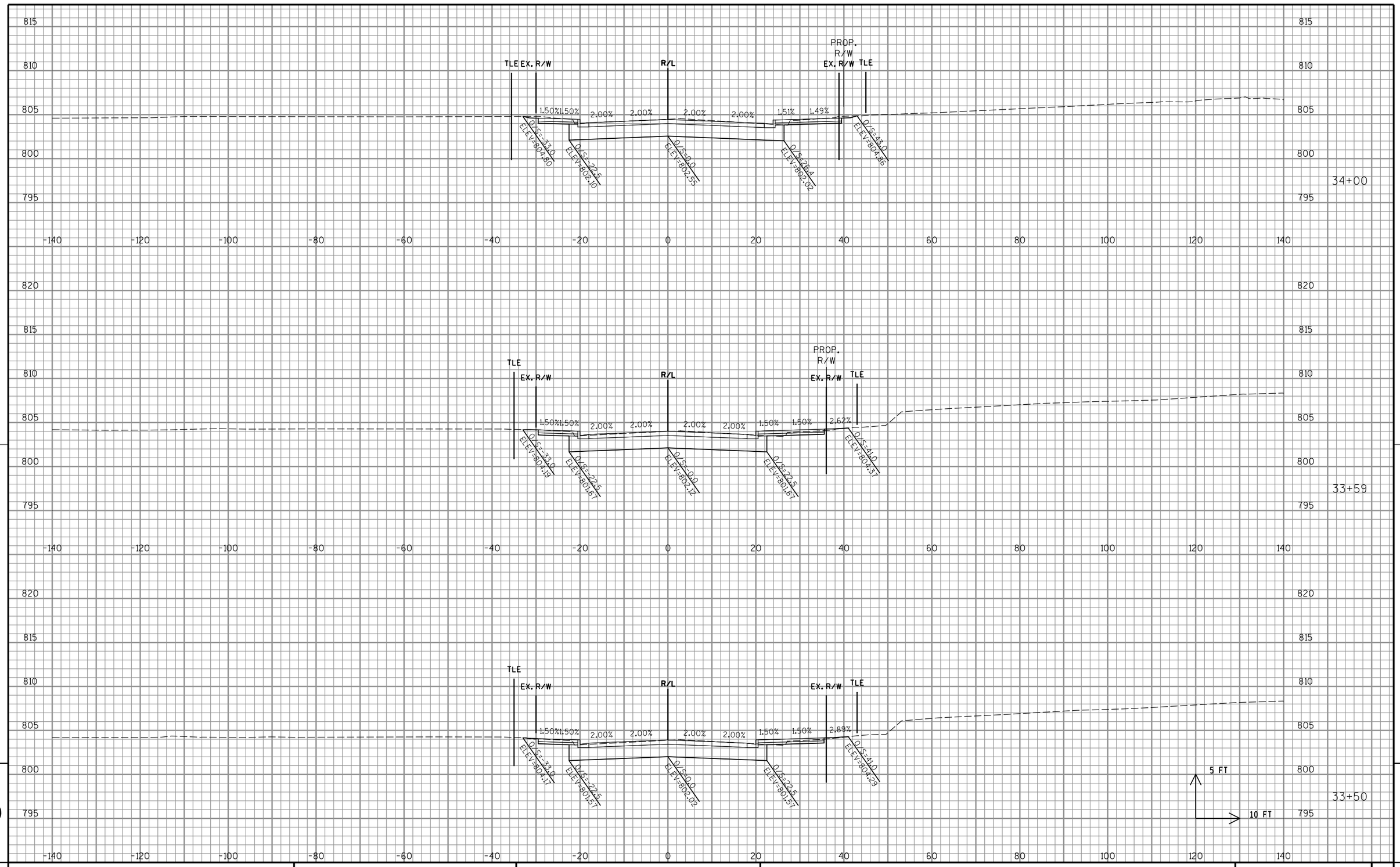
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 308	E

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WISDOT/CADDS SHEET 21



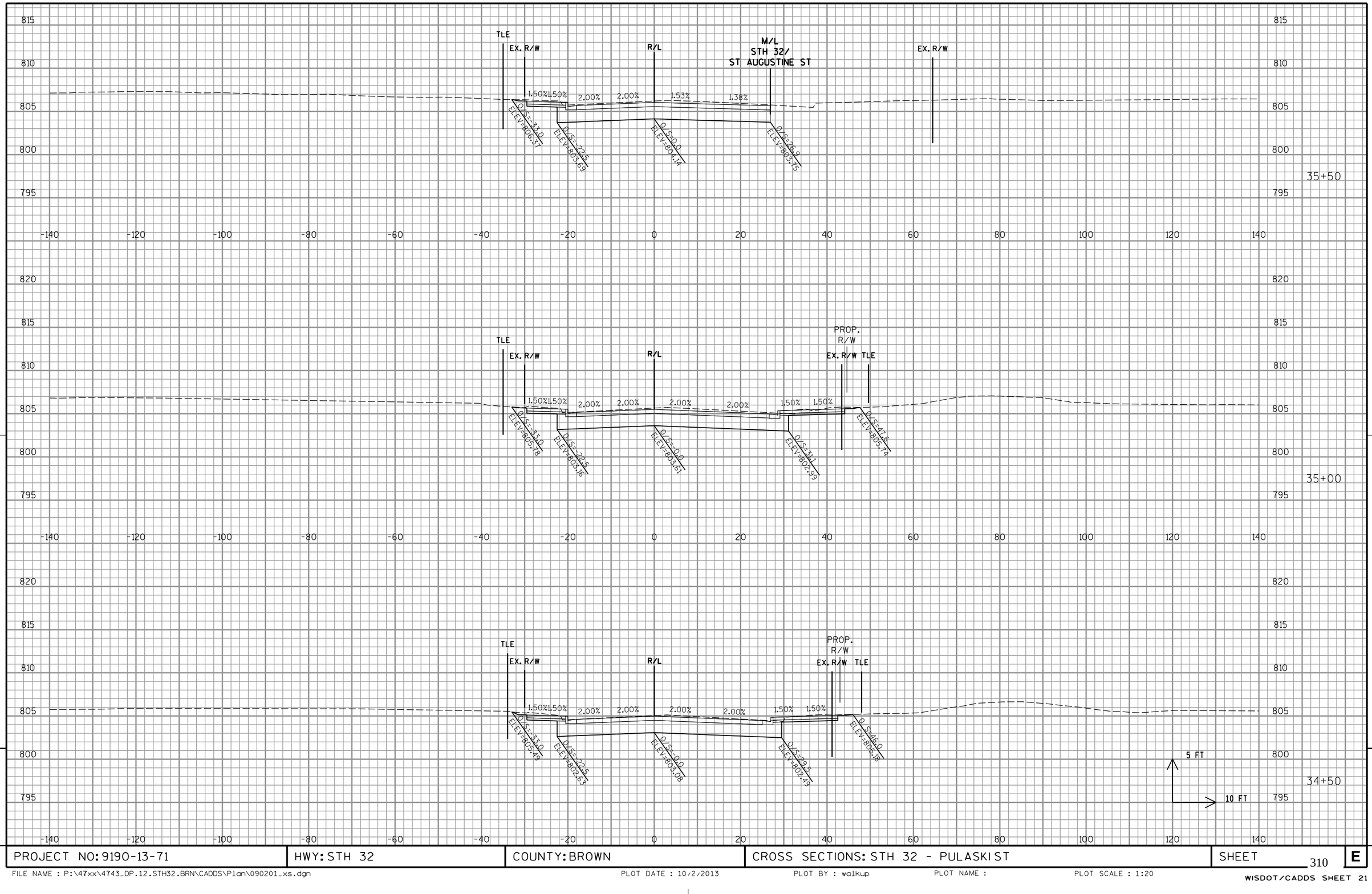
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 309	E

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WISDOT/CADDS SHEET 21



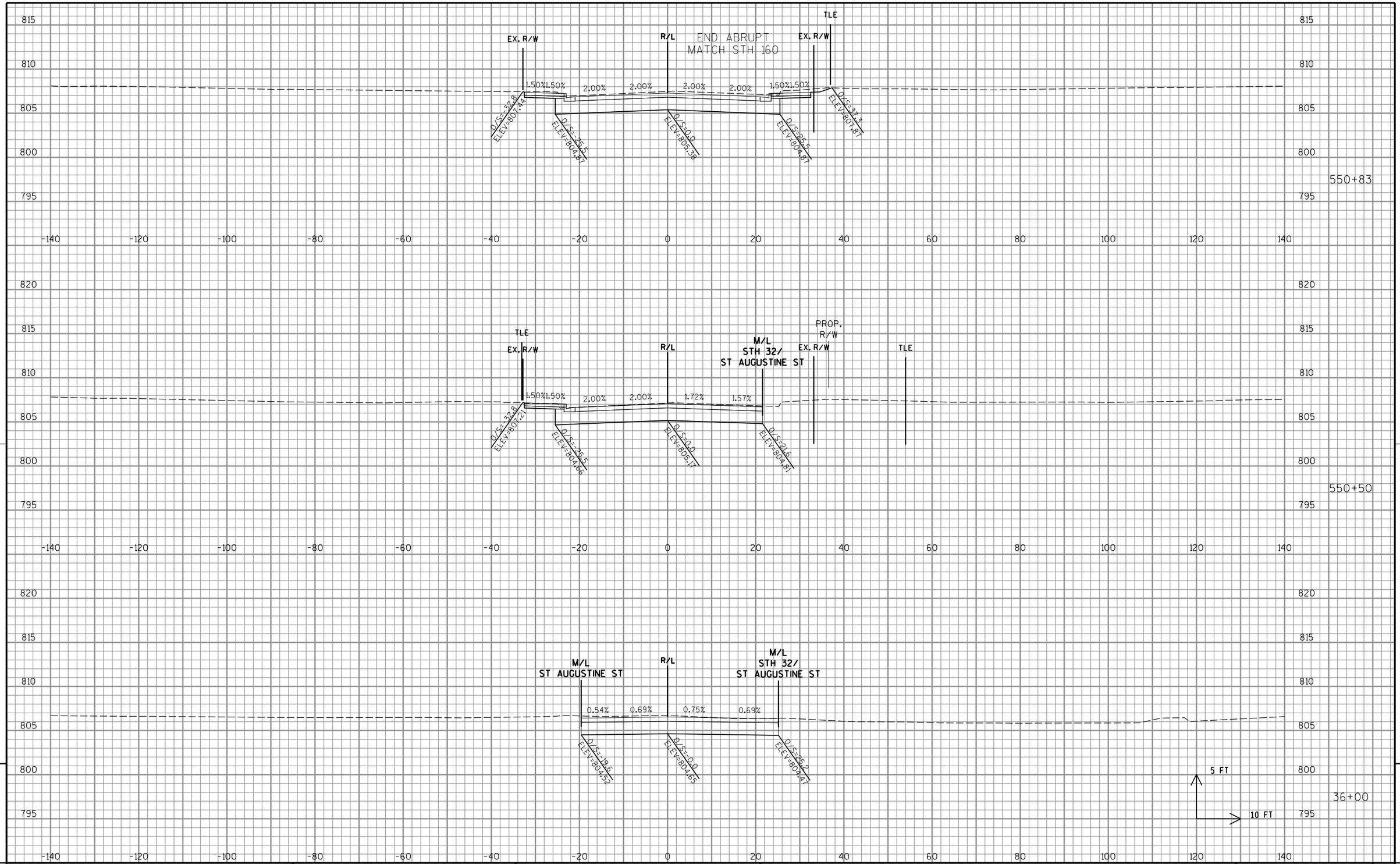
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 310	E

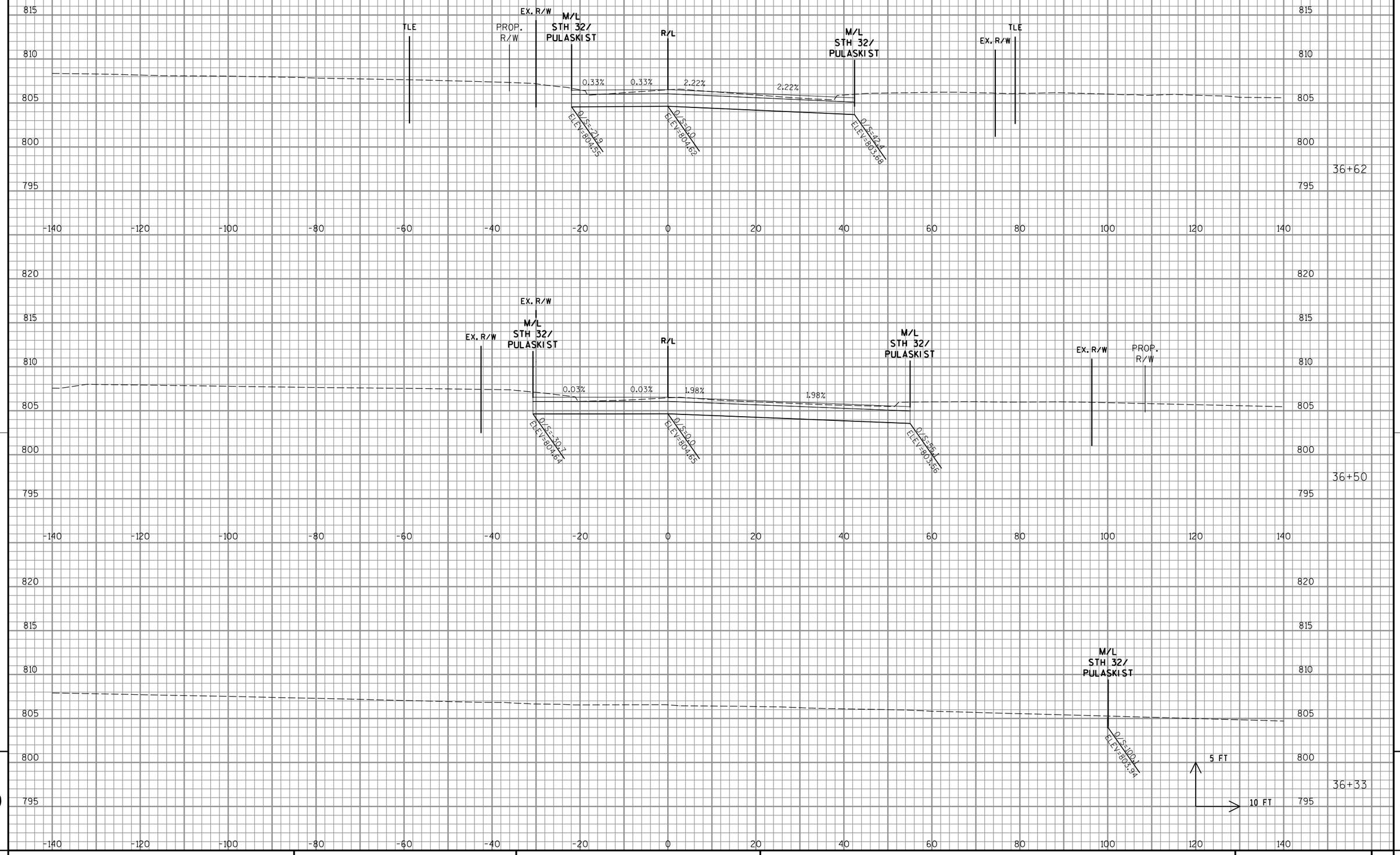
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WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PULASKI ST	SHEET 311	E



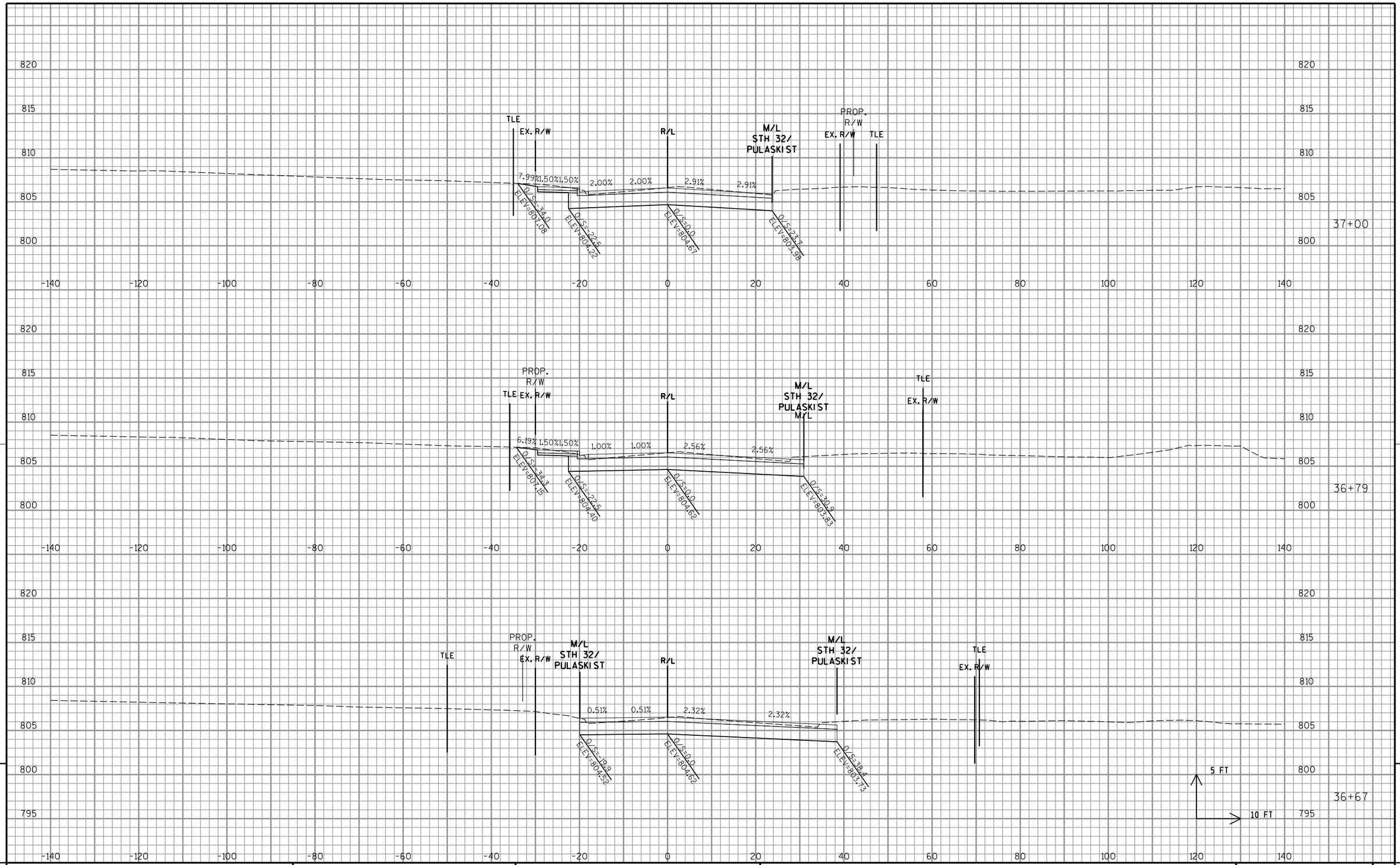
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 312	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



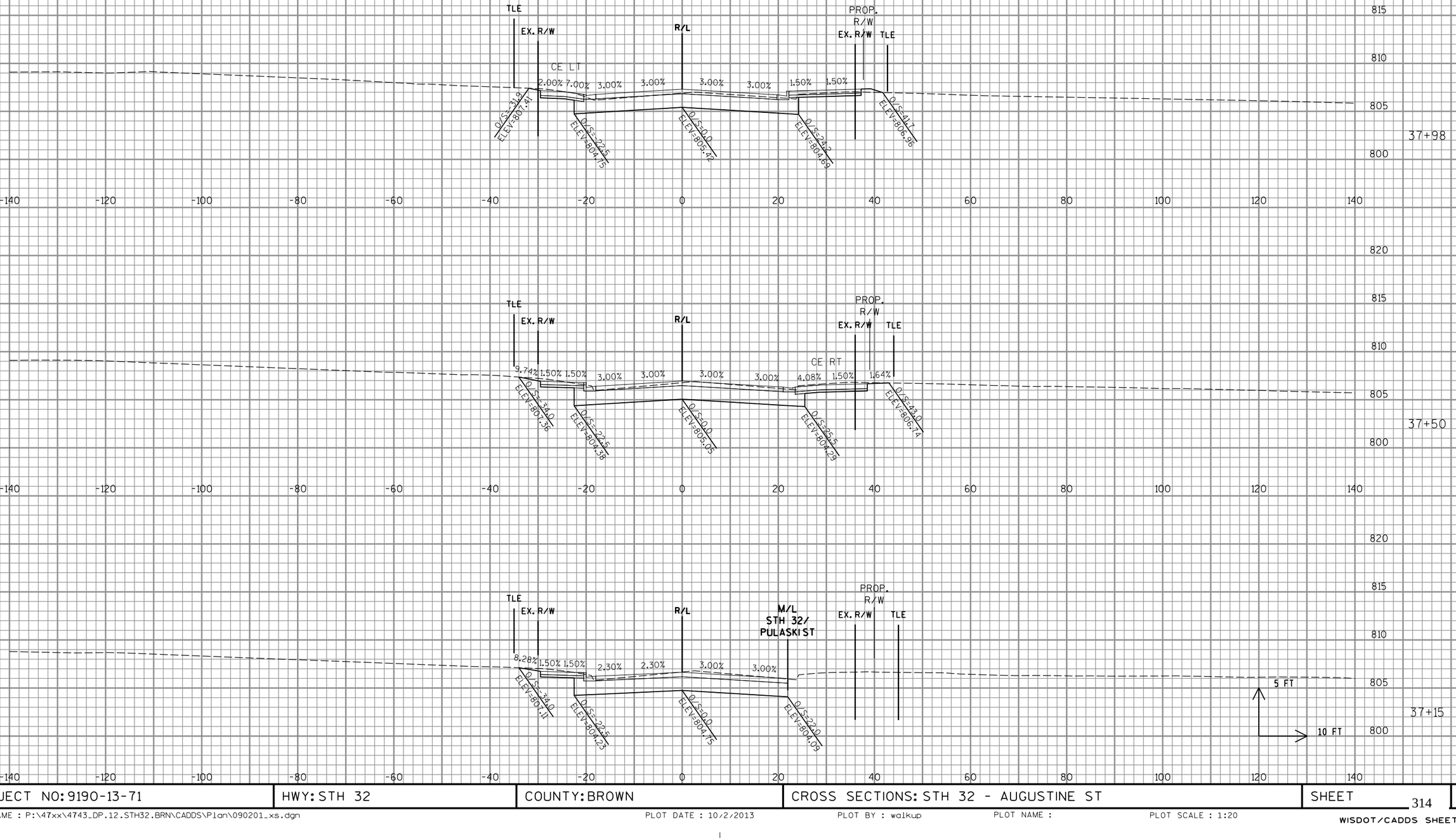
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 313	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



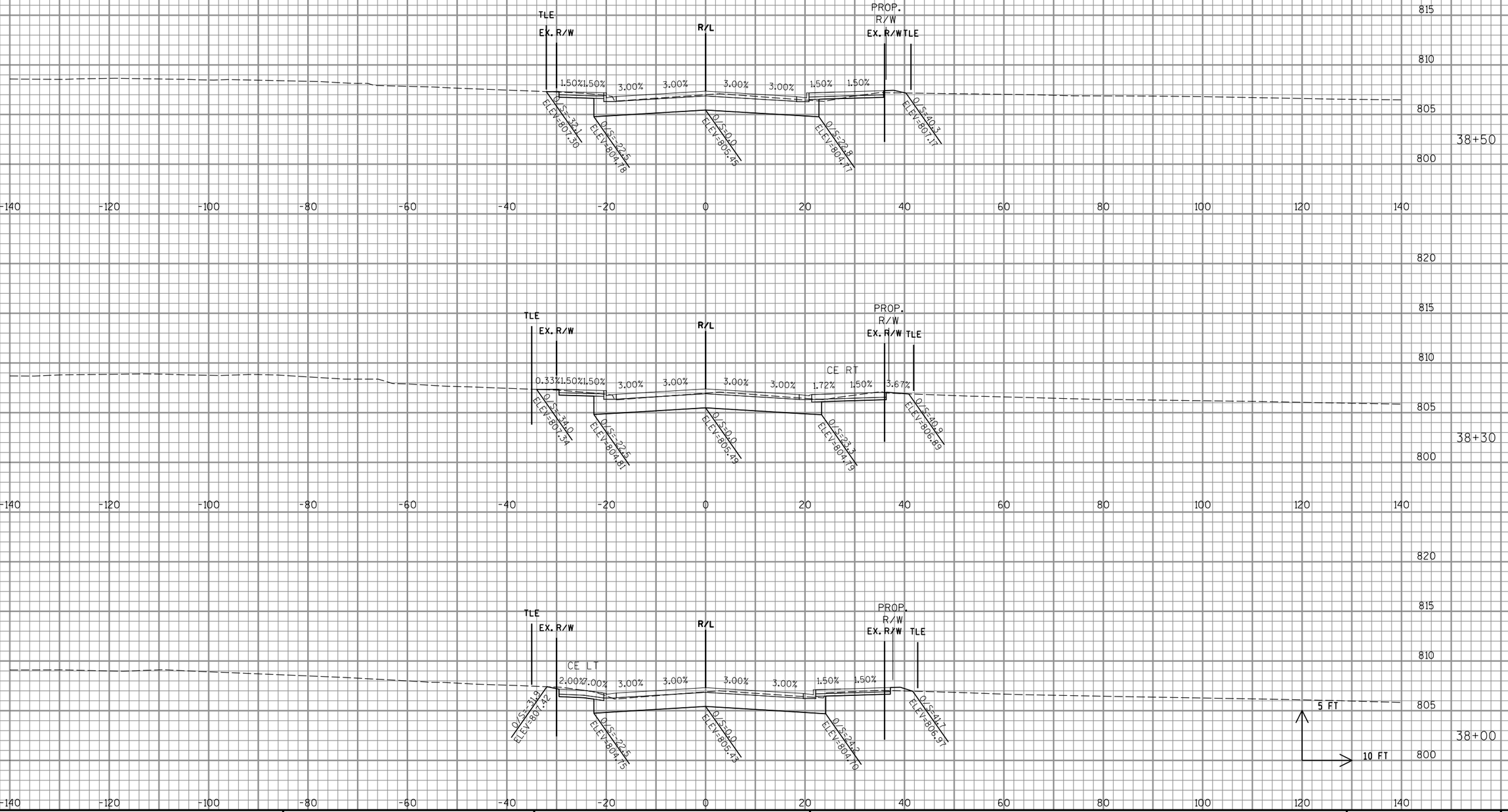
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 314	E

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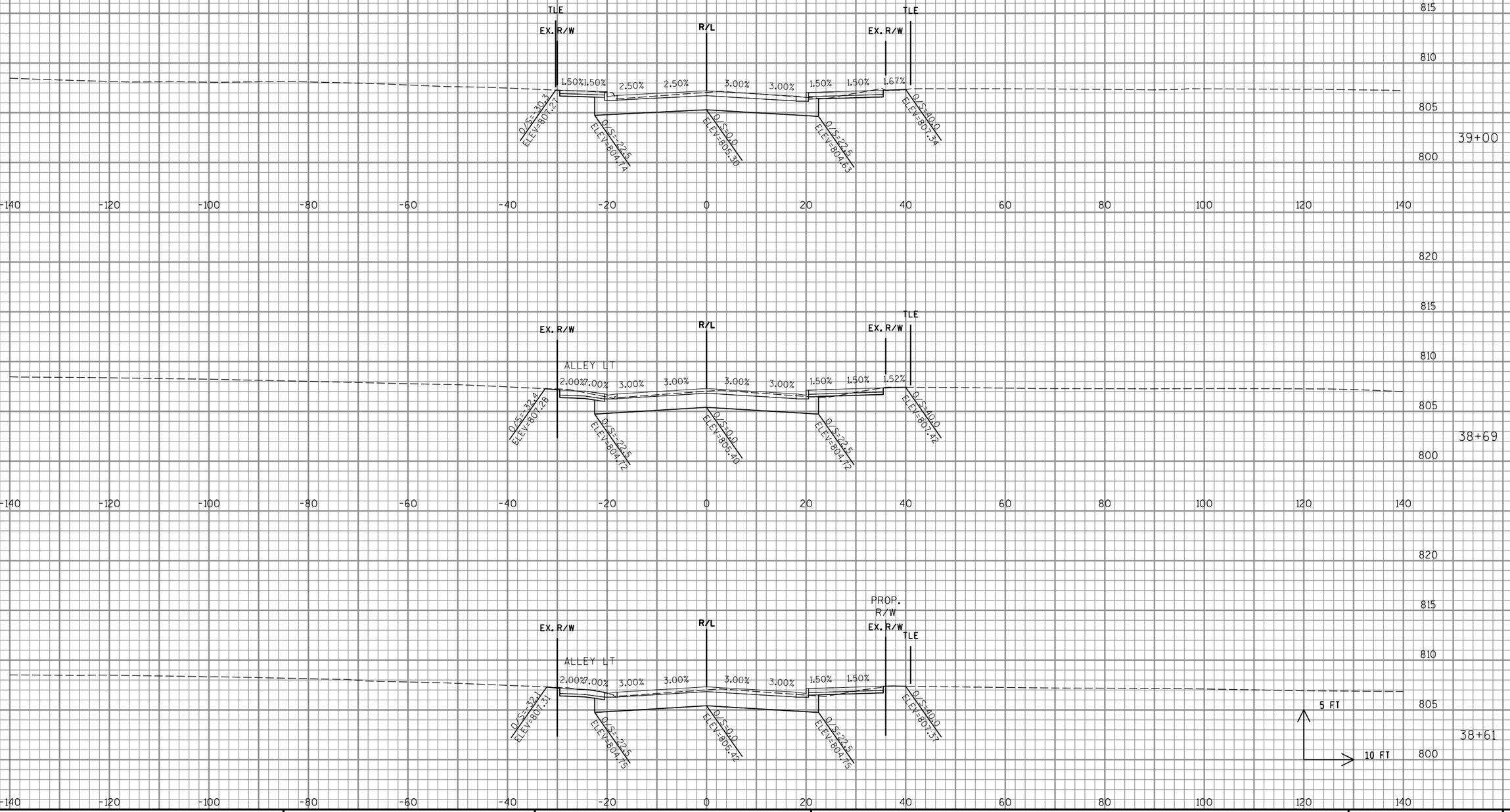
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 315	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



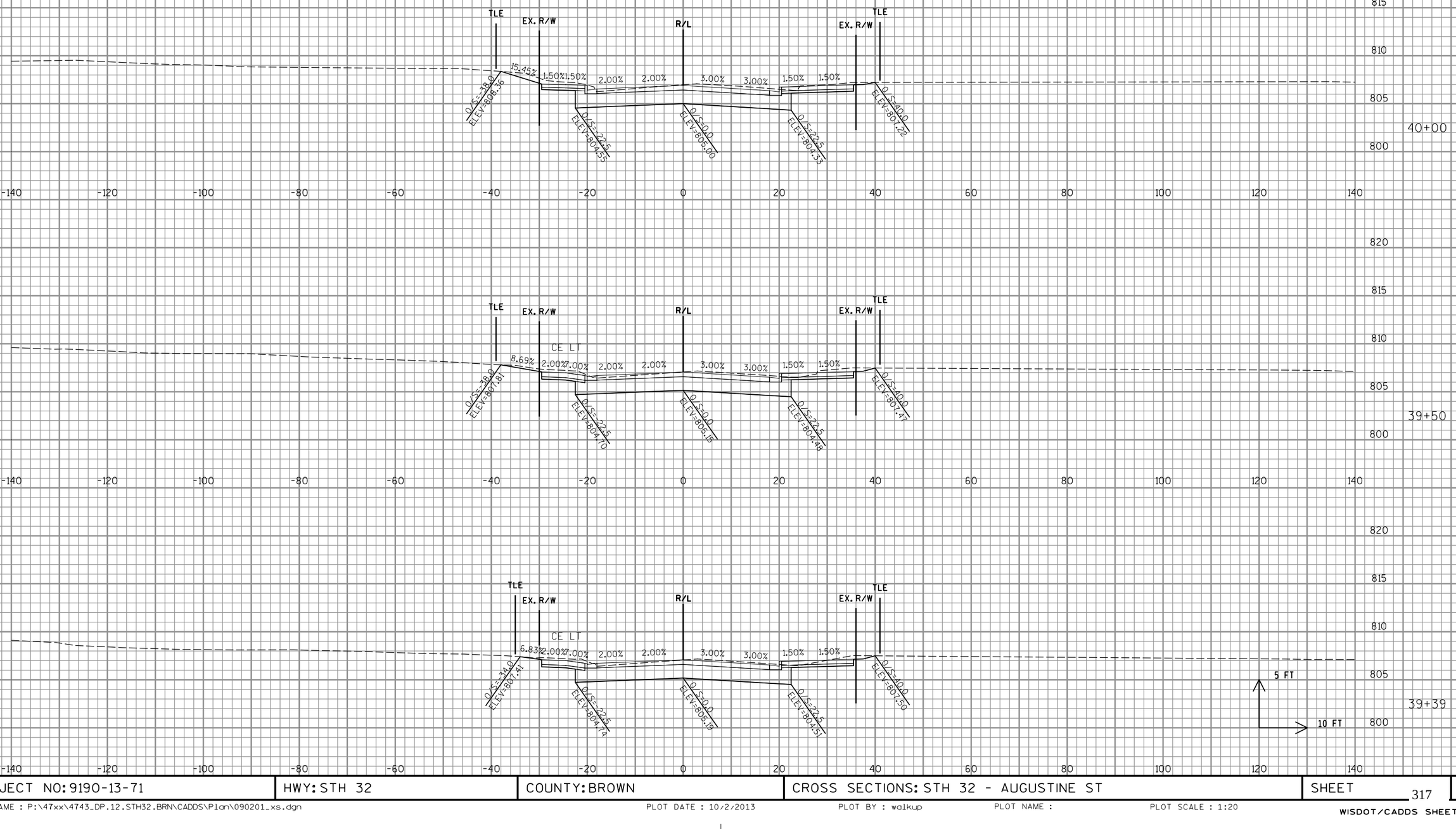
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 316	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

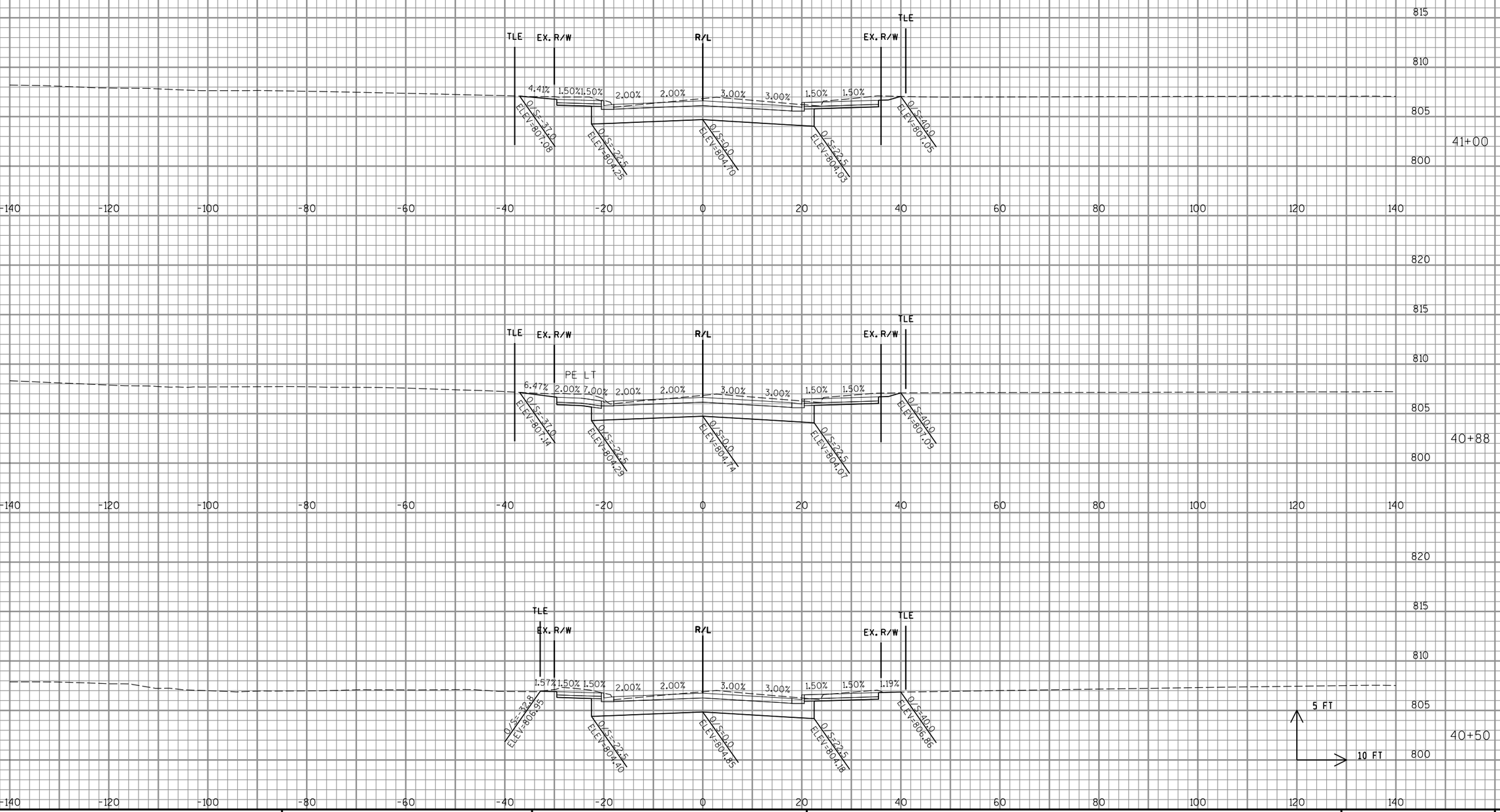


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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 317	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



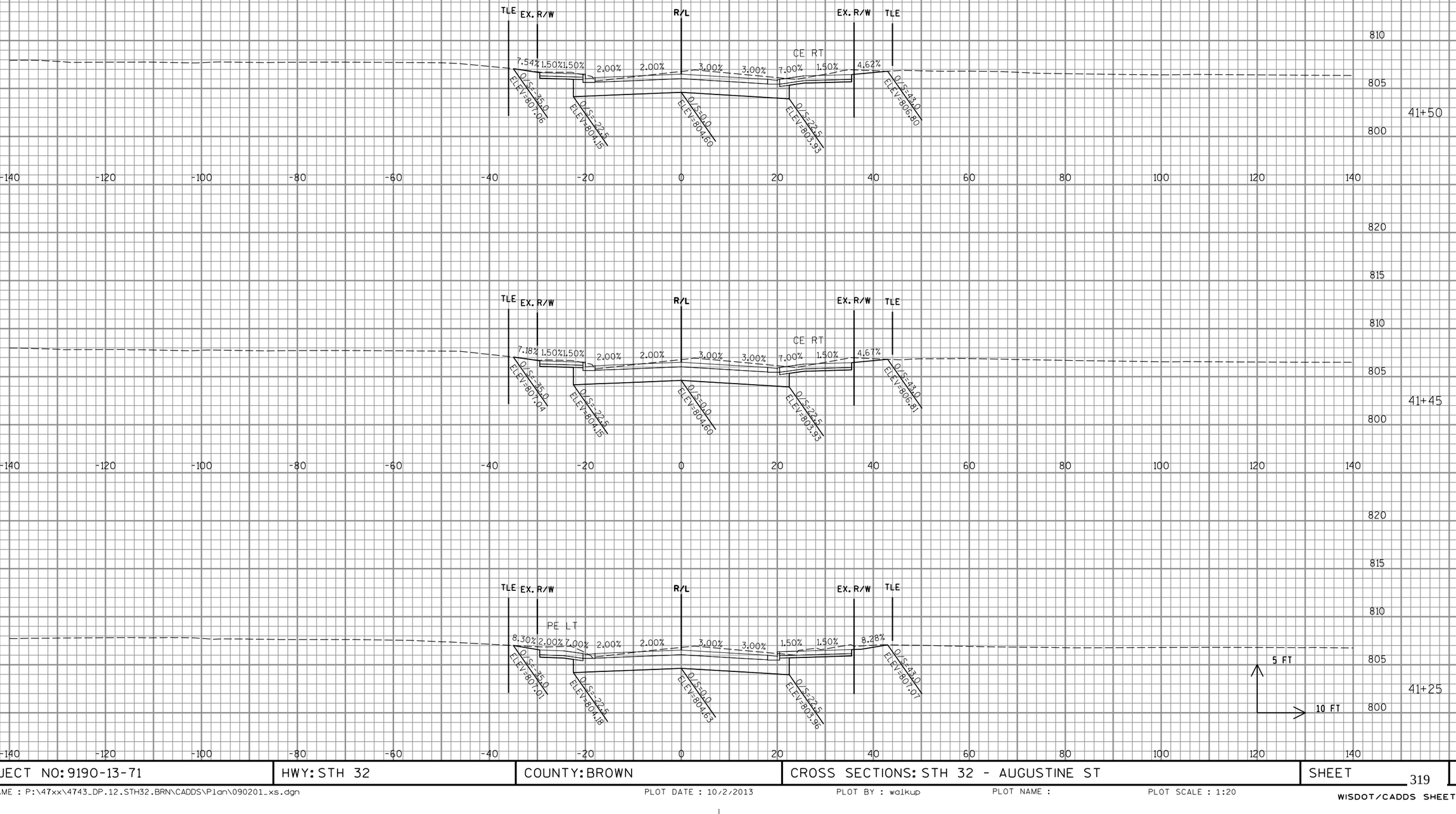
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 318	E

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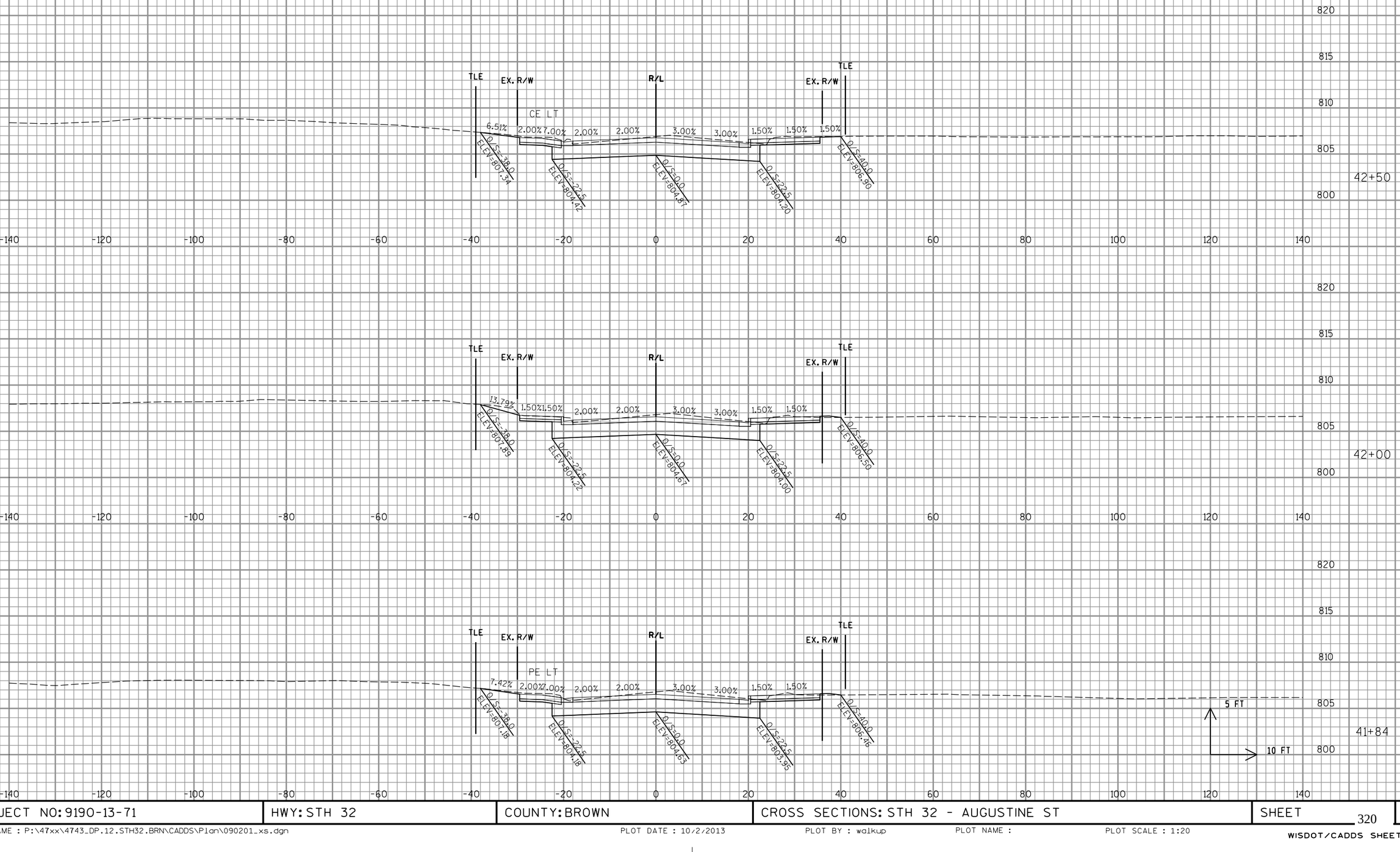
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 319	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

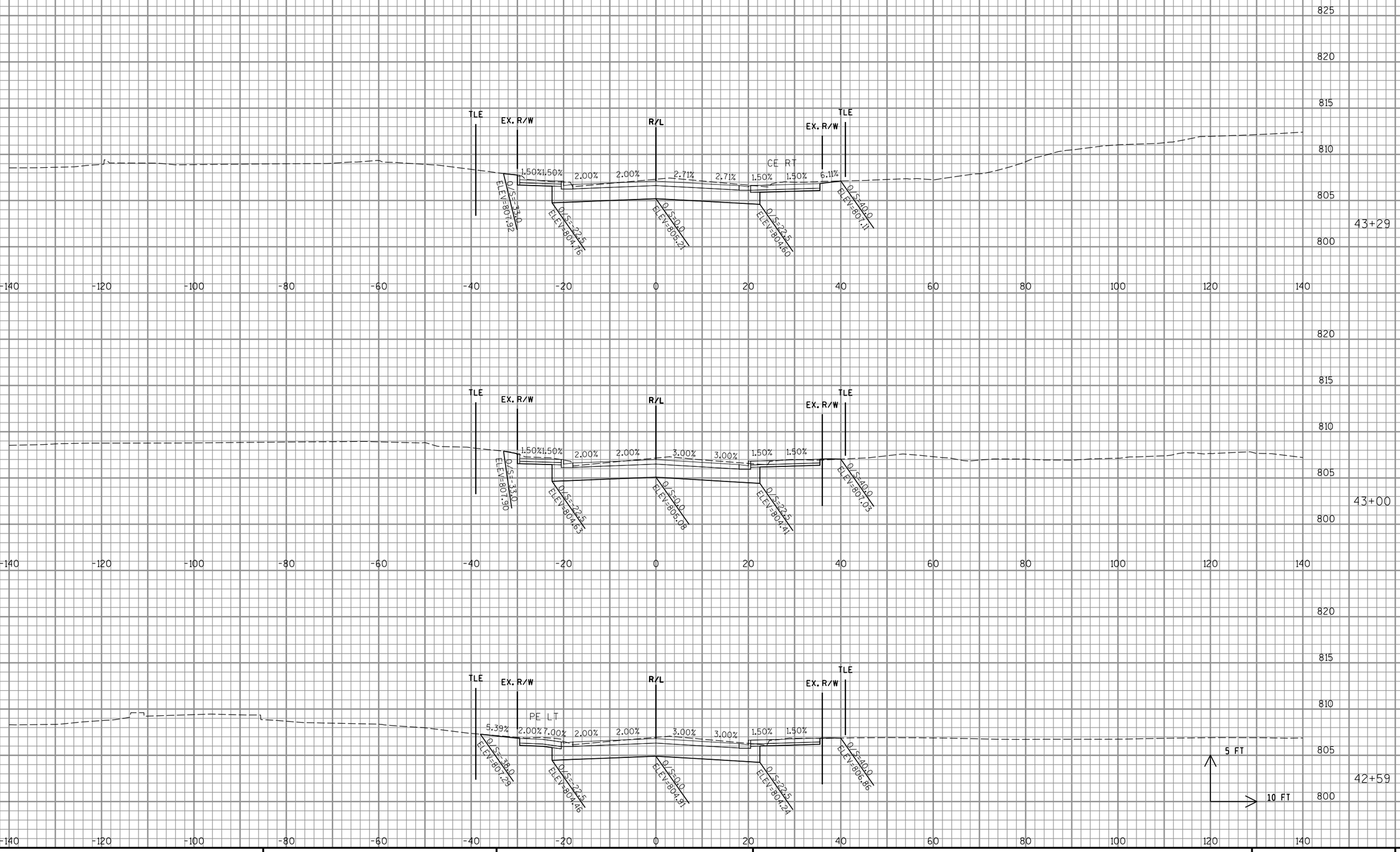
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 320	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



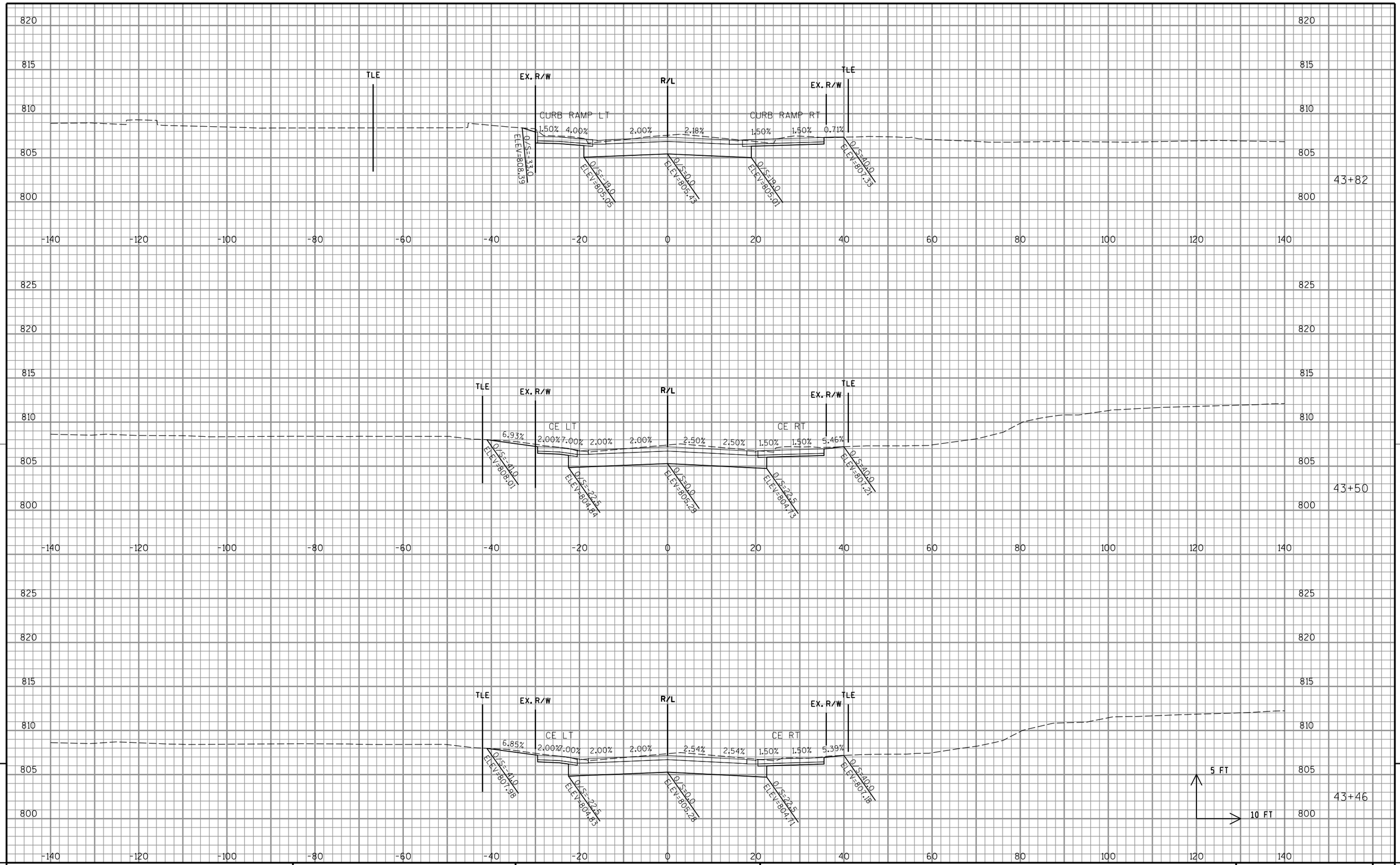
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 321	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



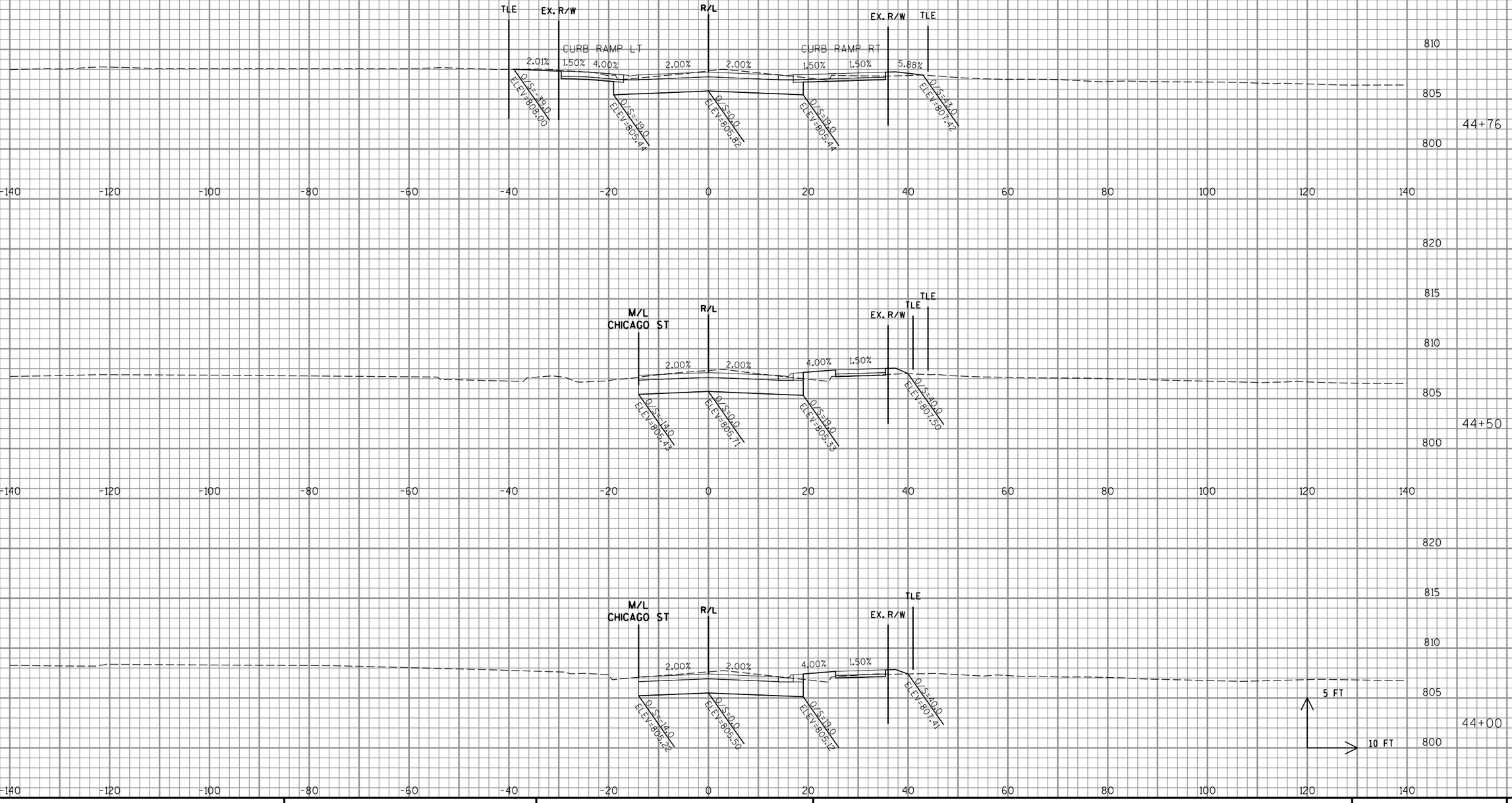
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 322	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

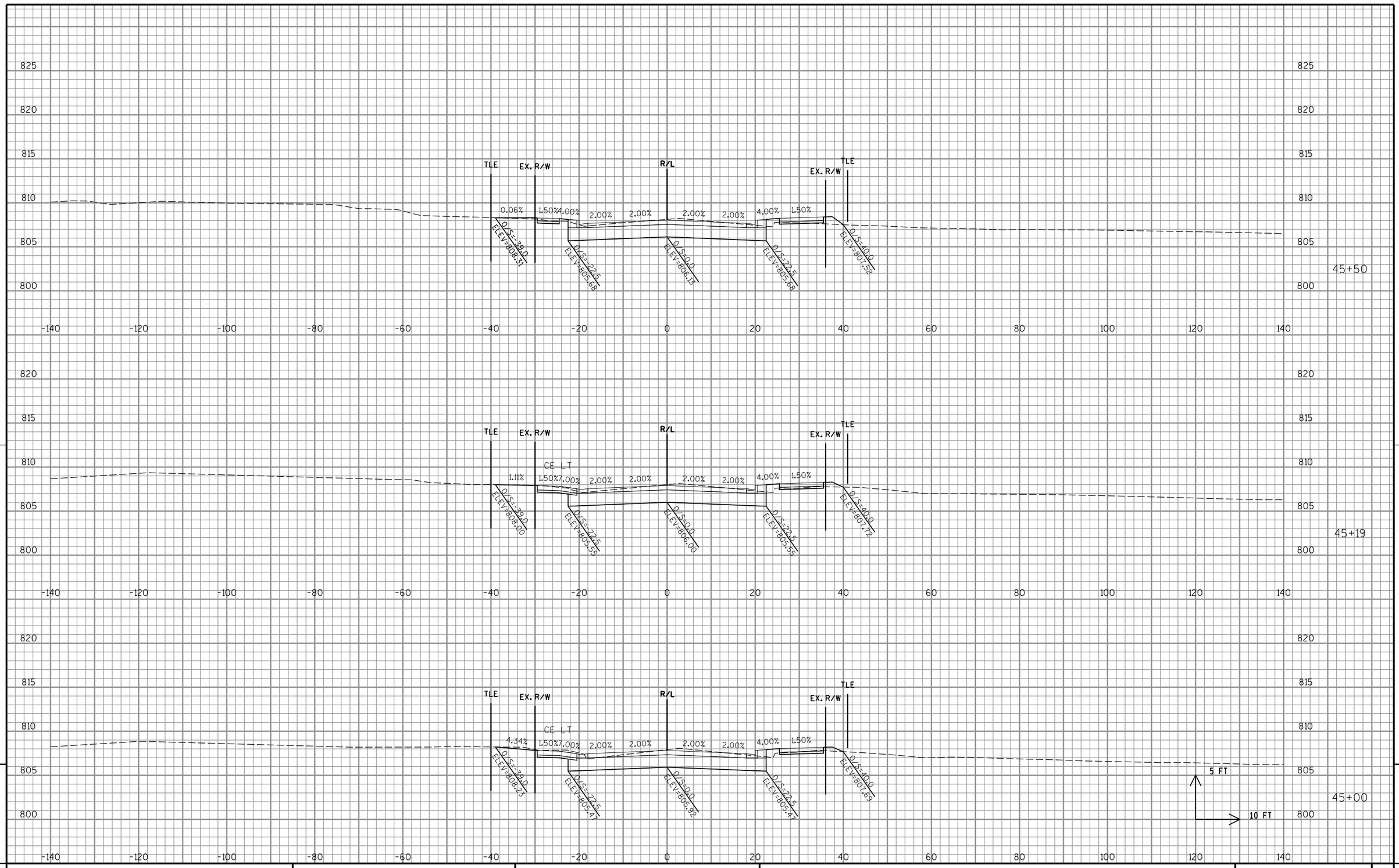
WISDOT/CADDS SHEET 21



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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 323	E



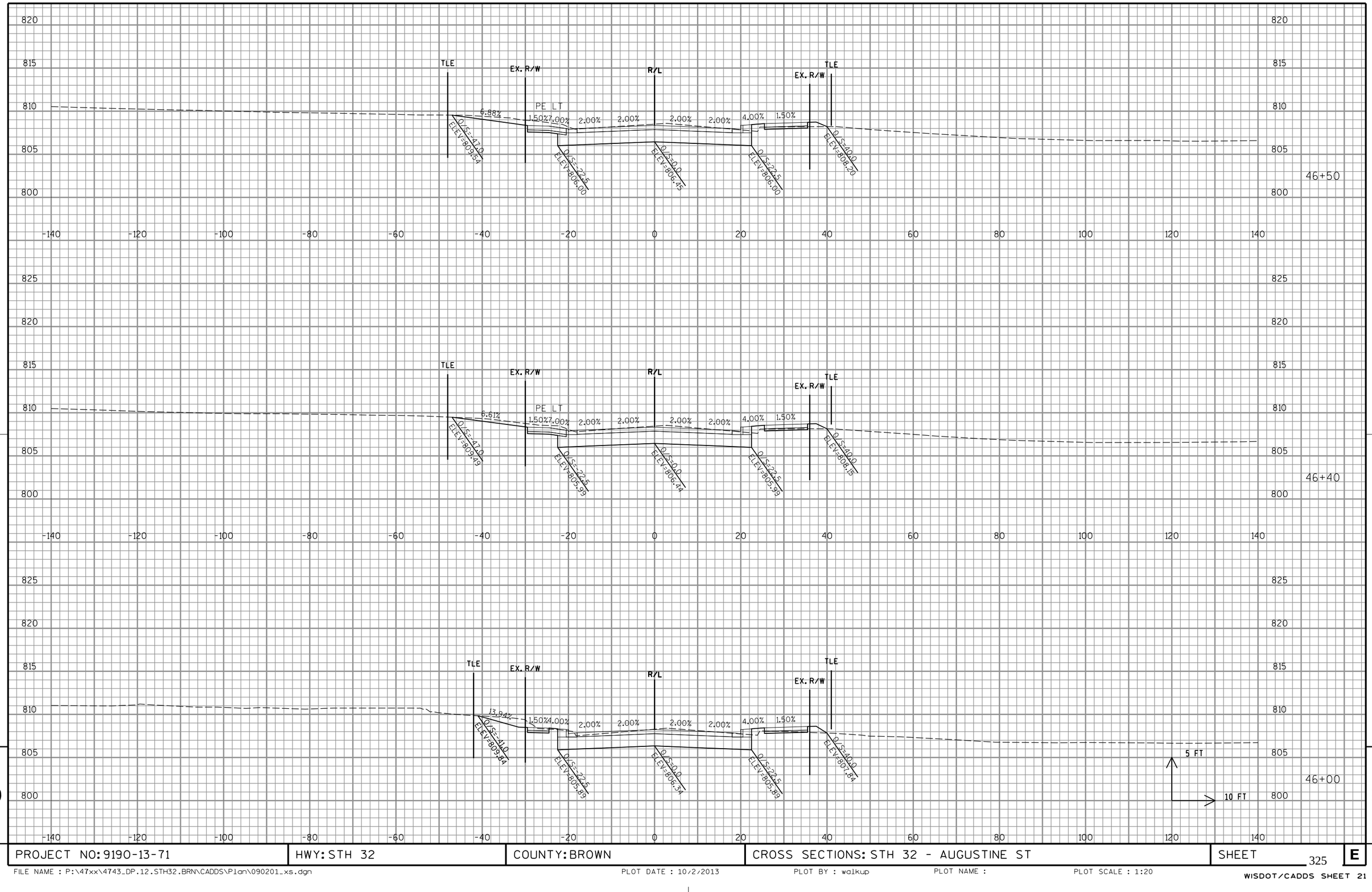
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 324	E

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WISDOT/CADDS SHEET 21



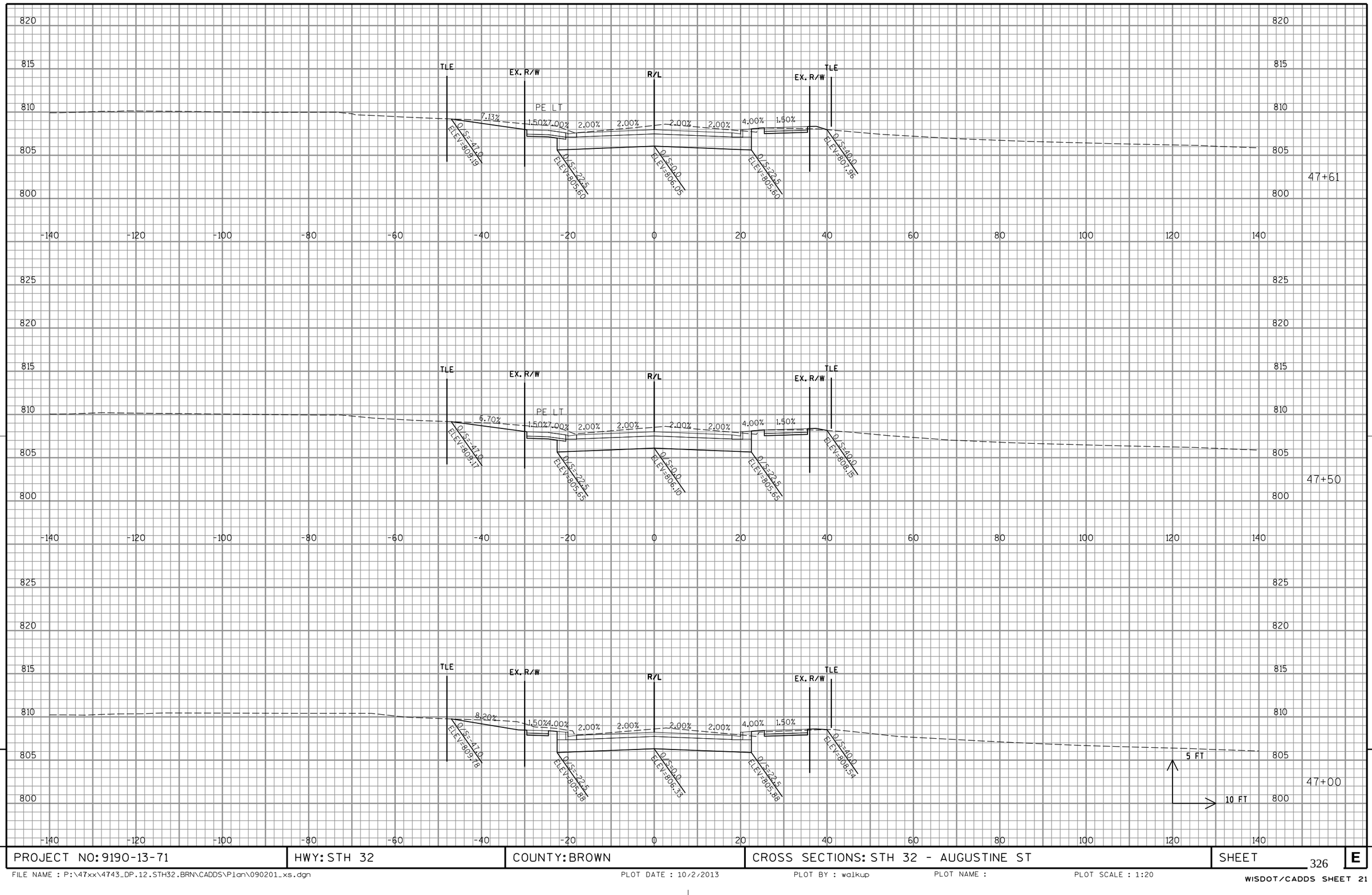
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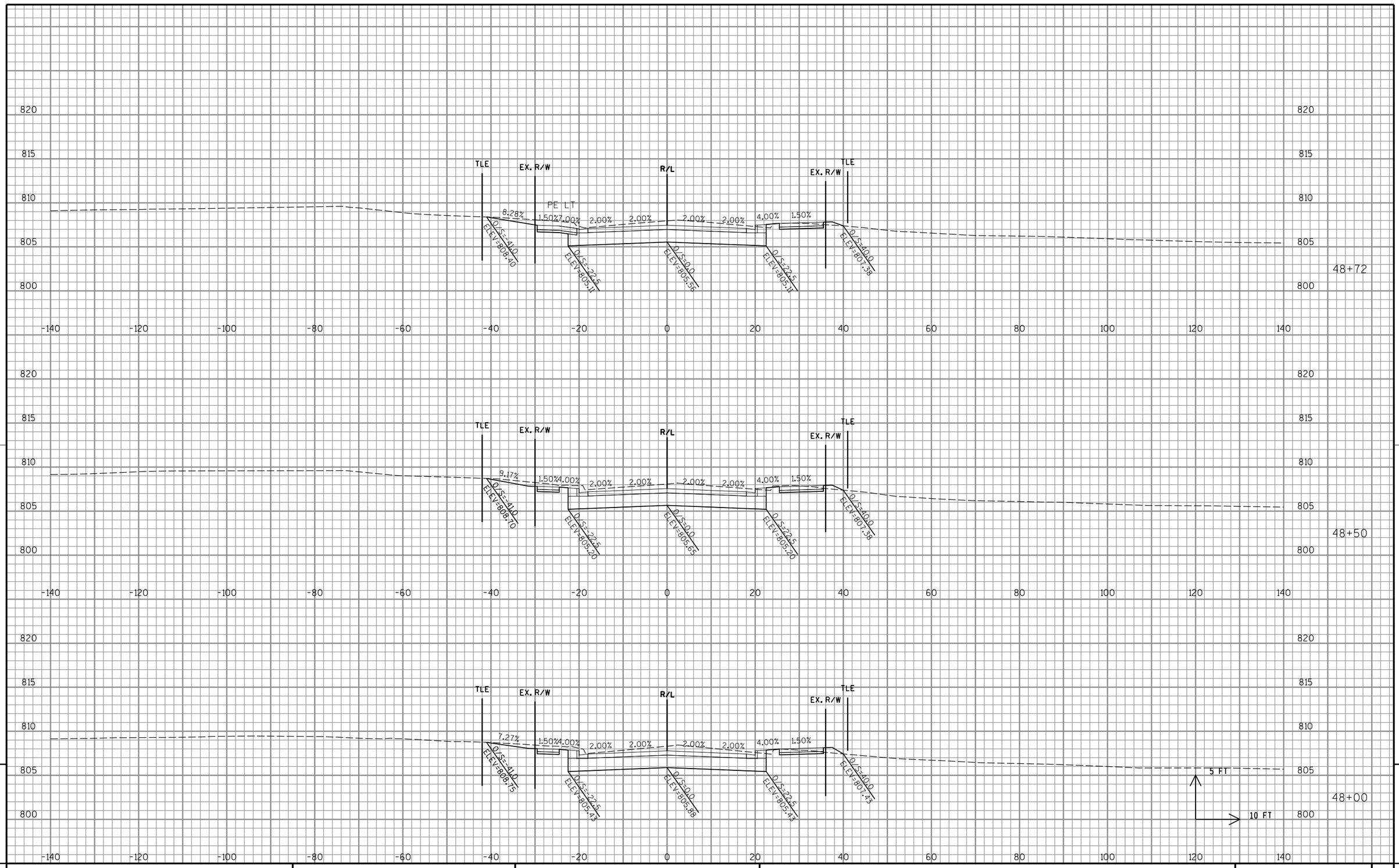
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 325	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 326	E



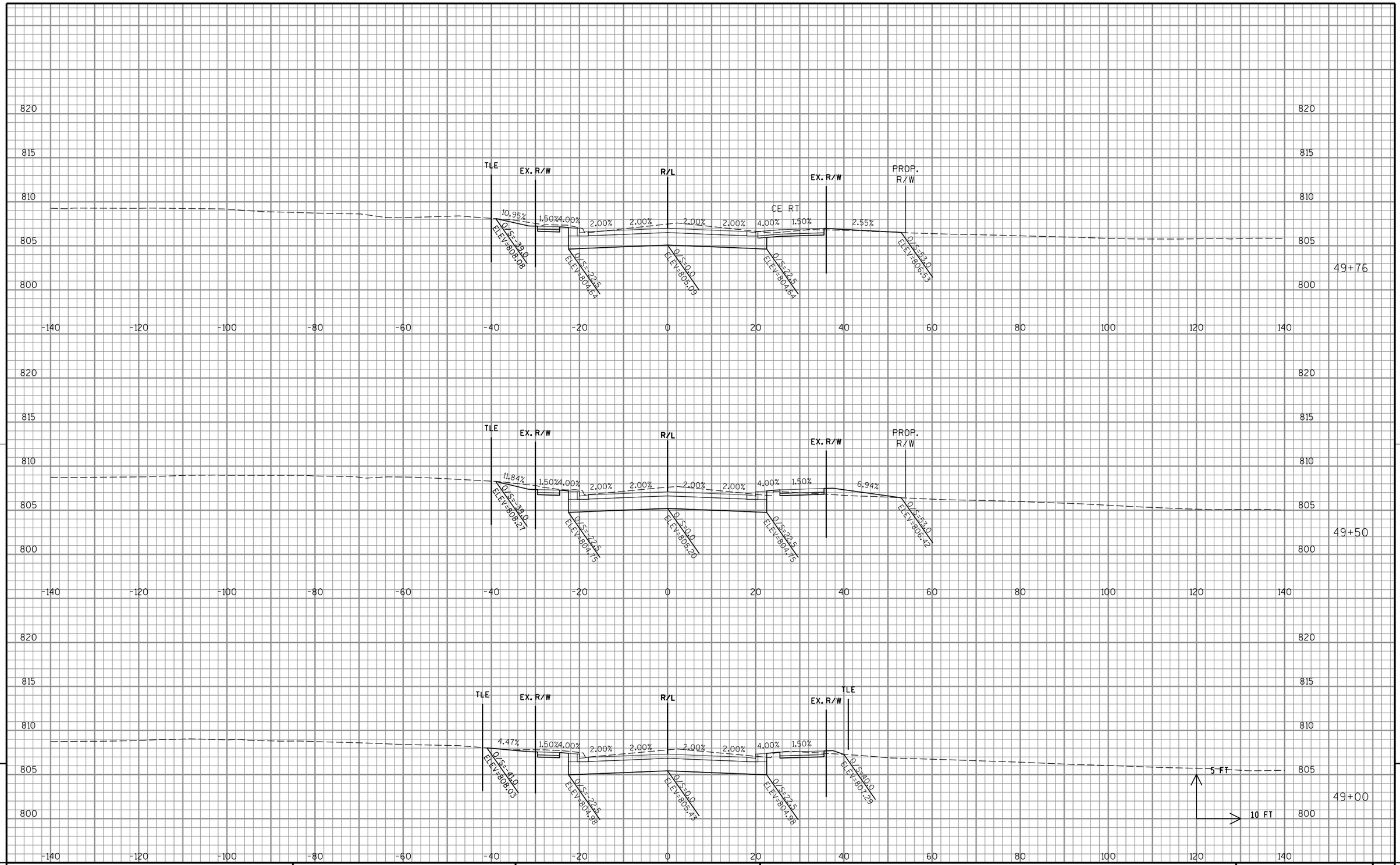
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 327	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



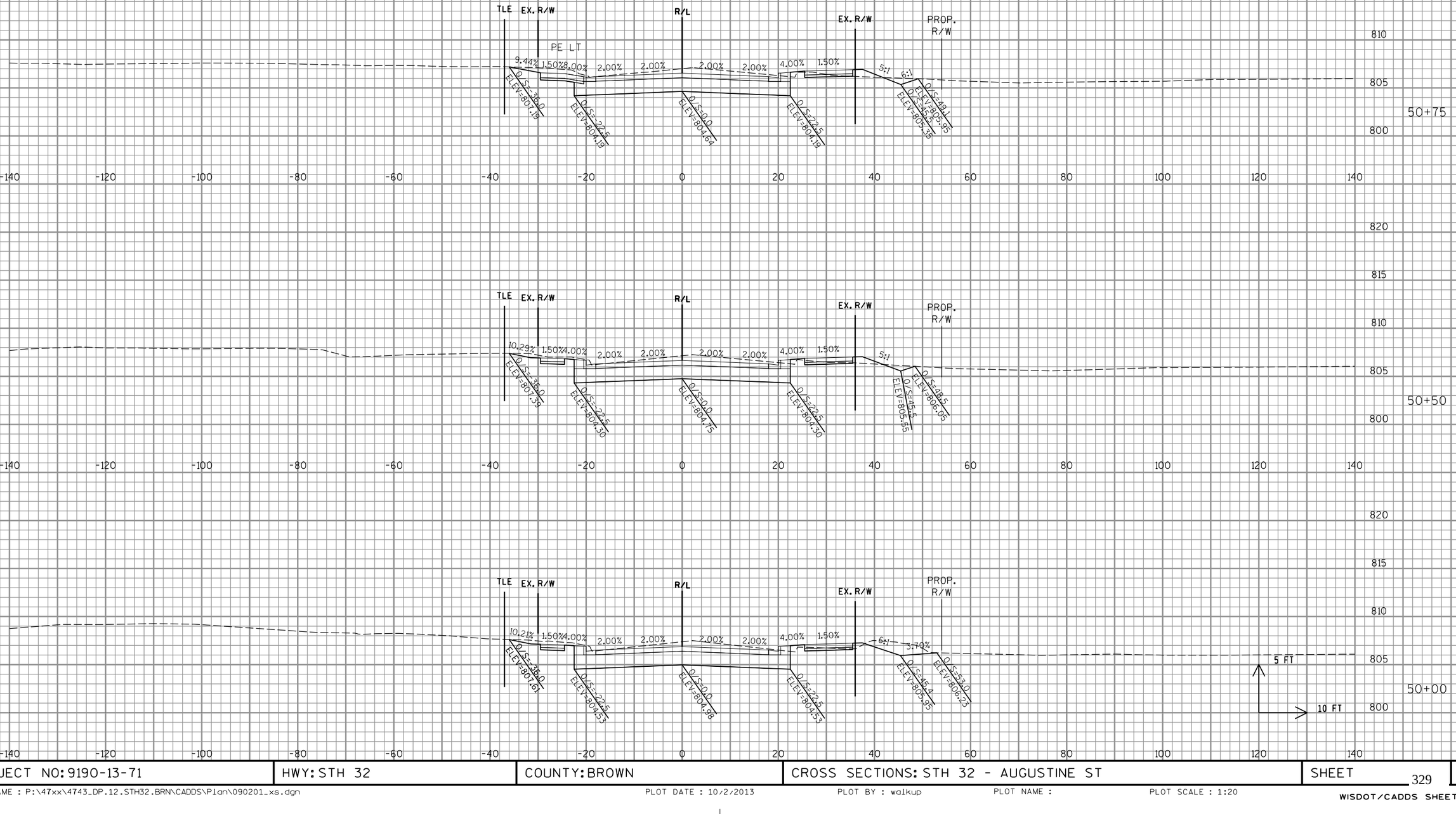
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 328	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



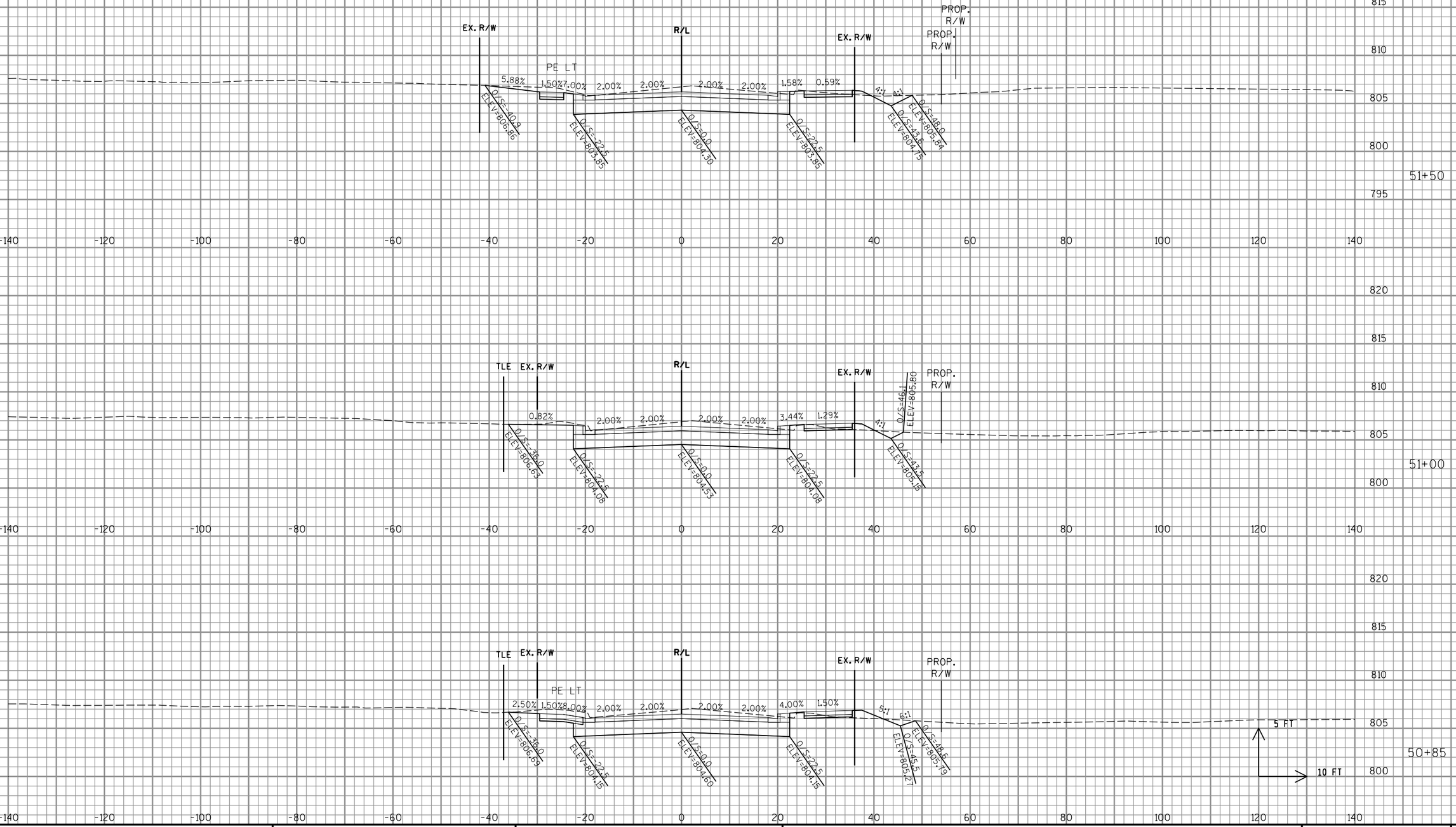
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 329	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

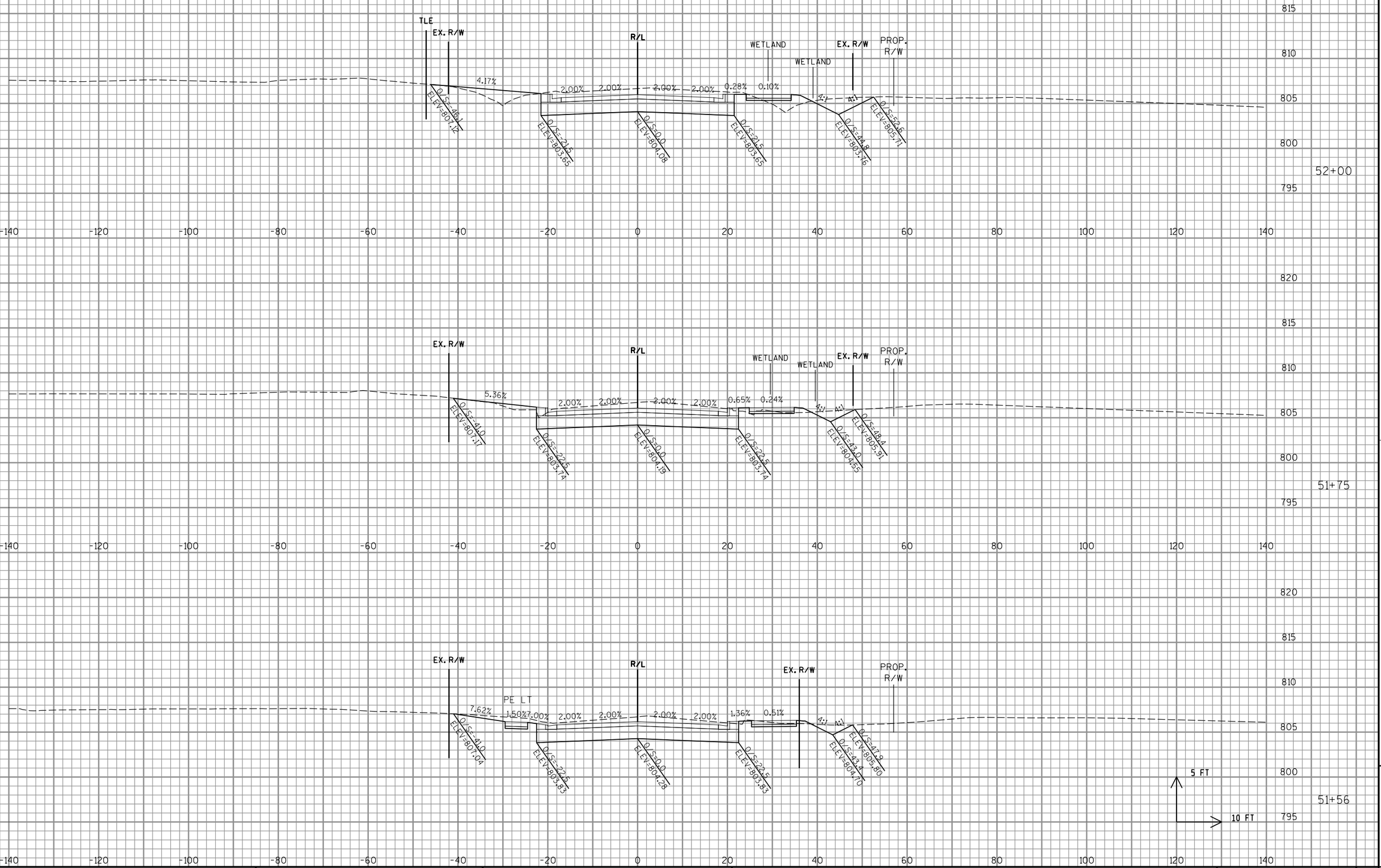
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 330	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

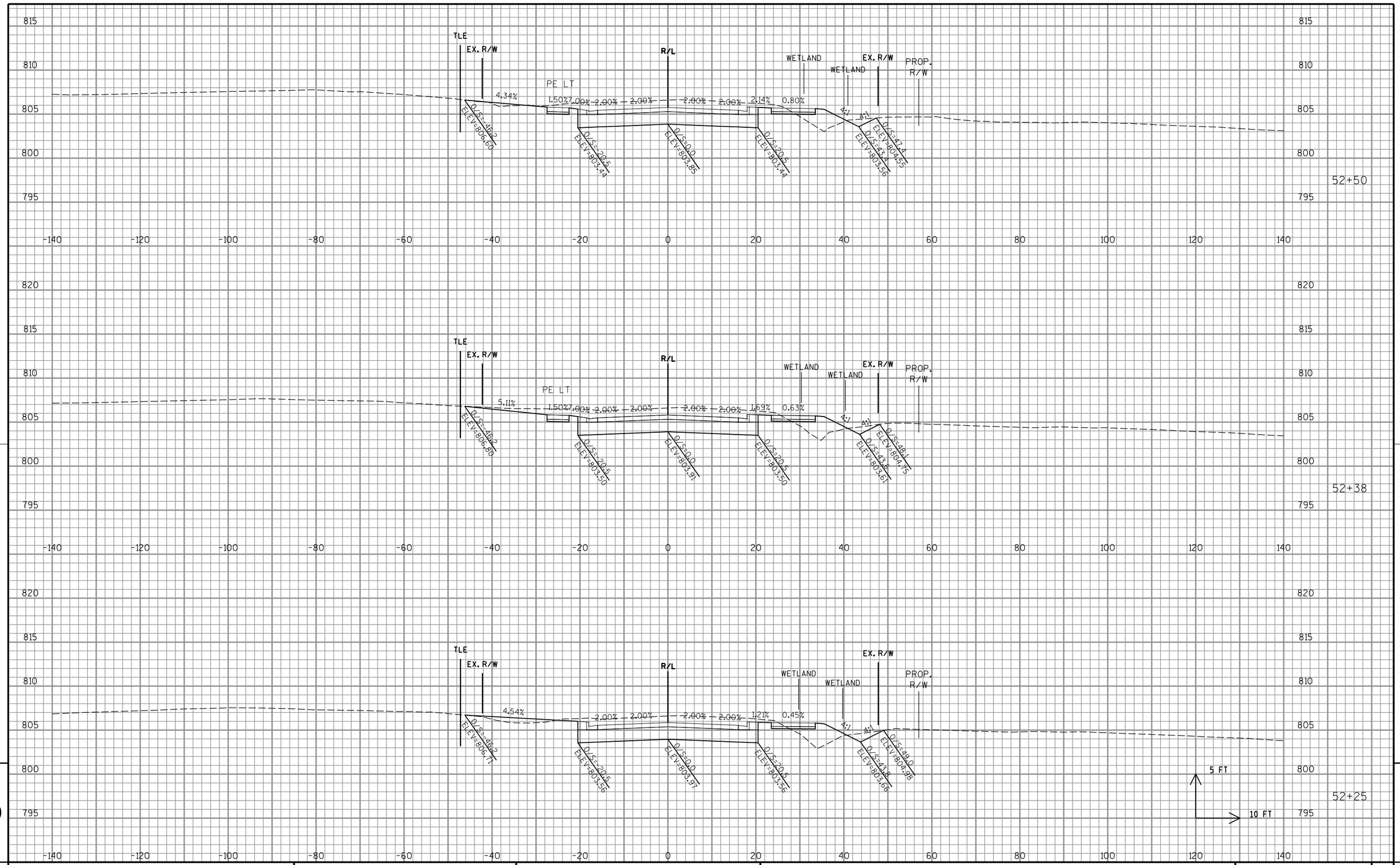
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 331	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

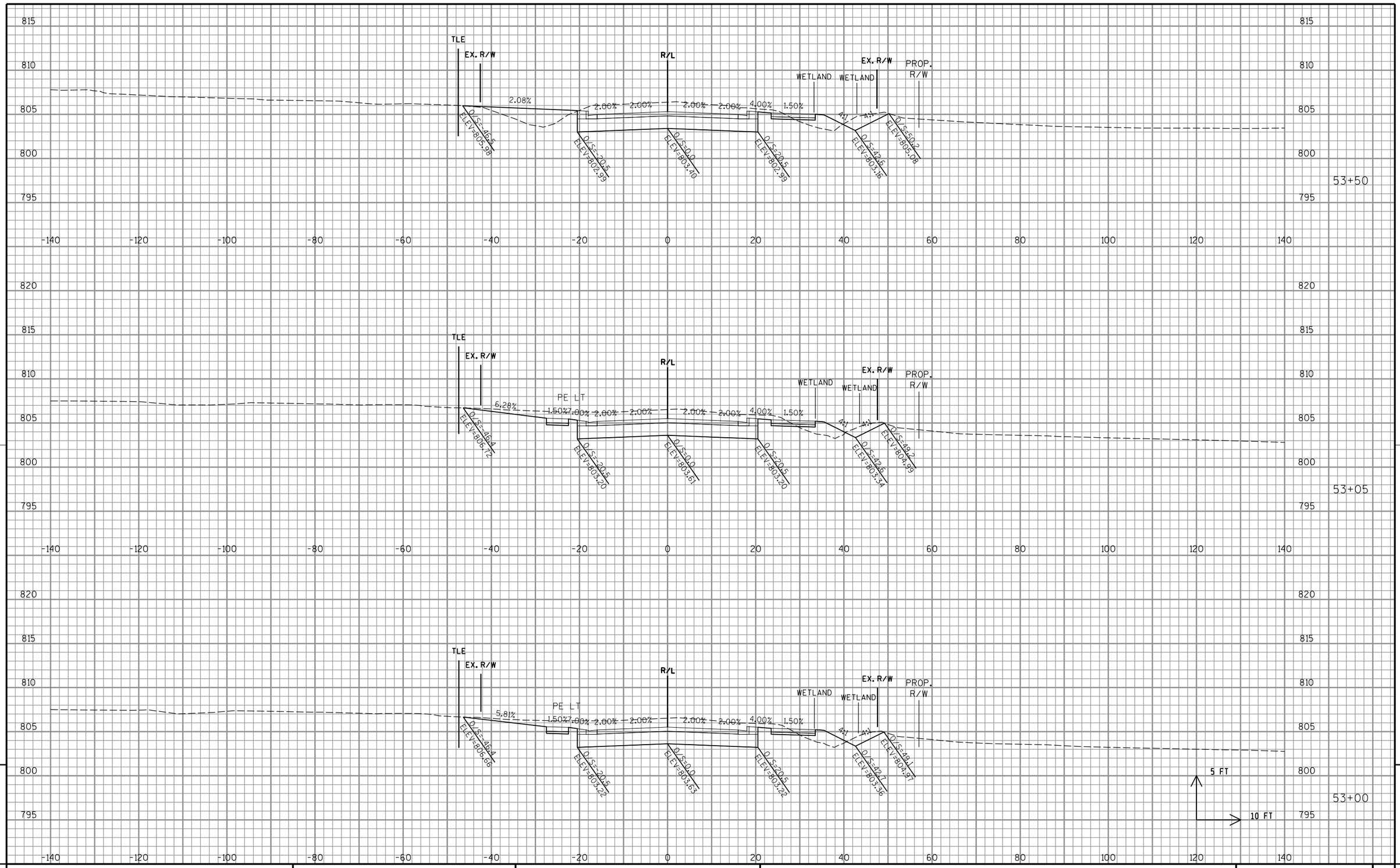
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 332	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

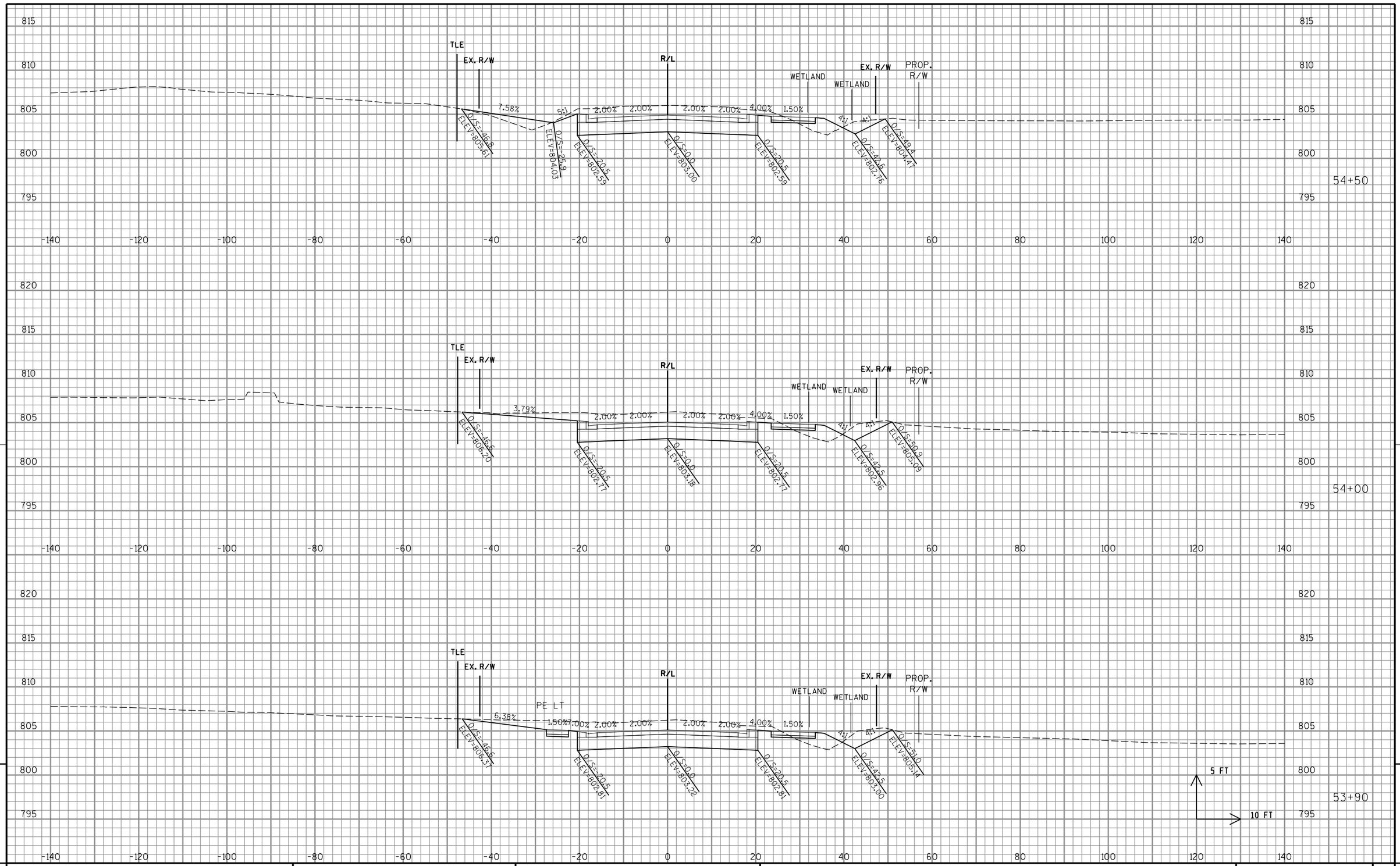
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 333	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

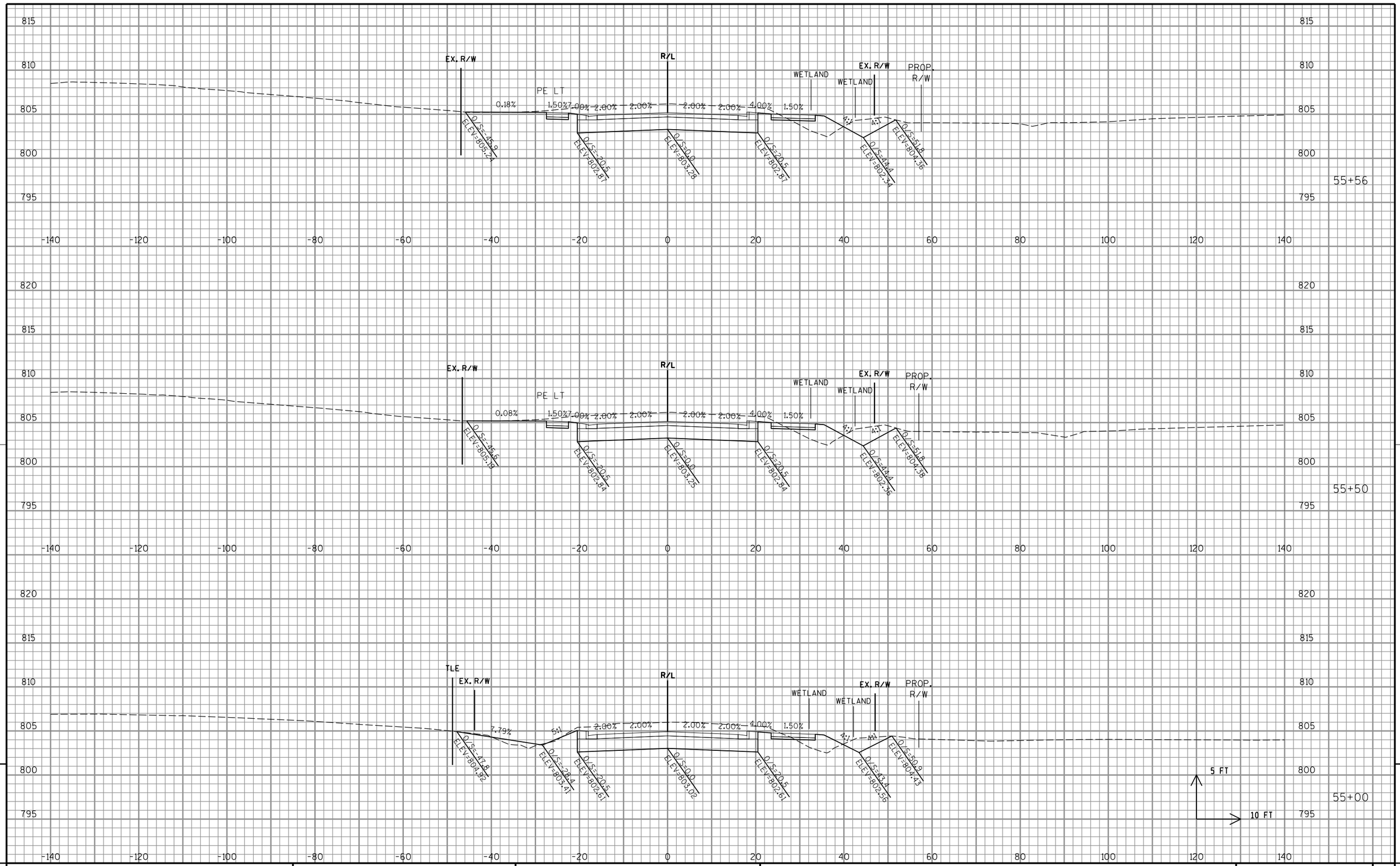
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 334	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

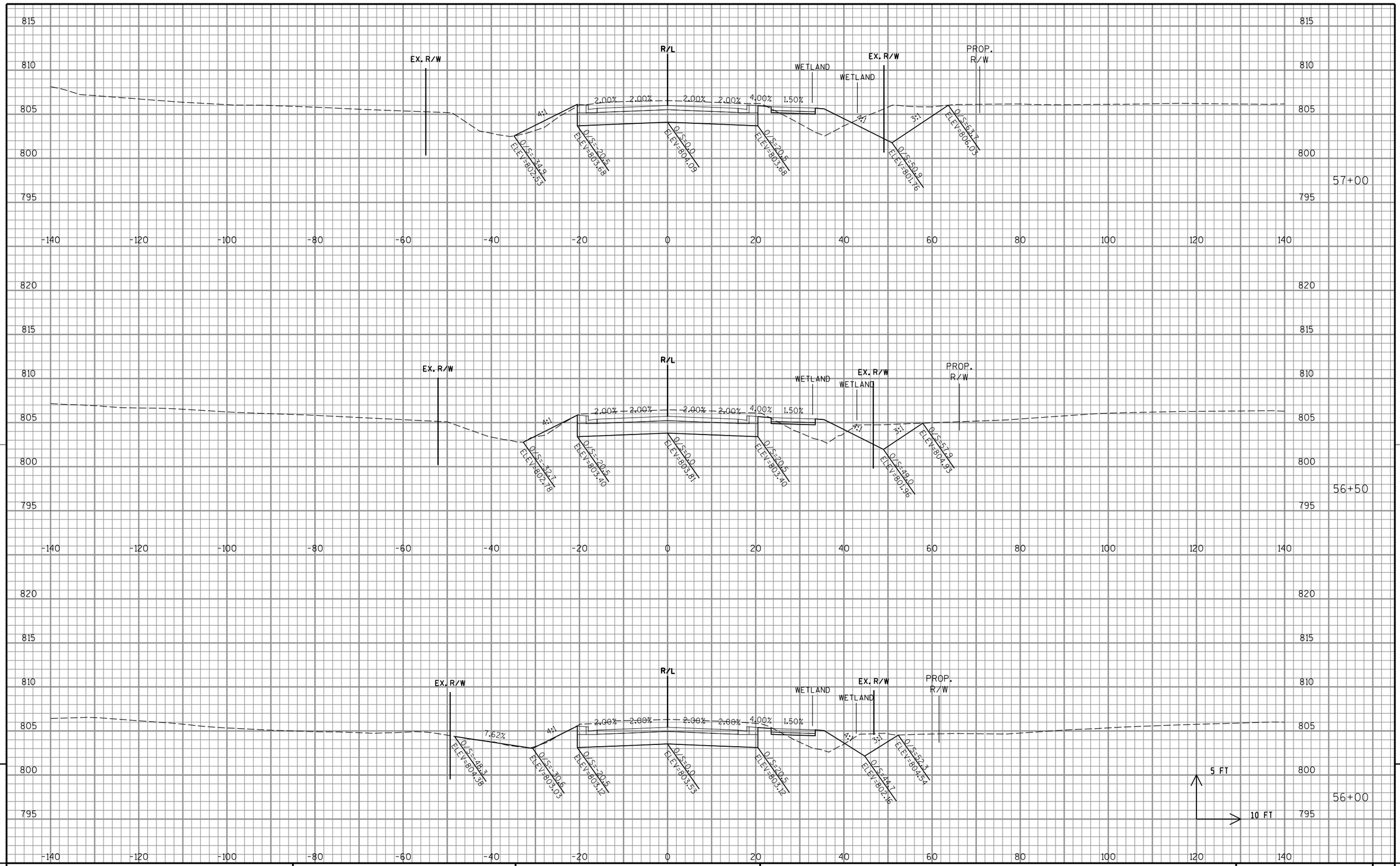
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 335	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

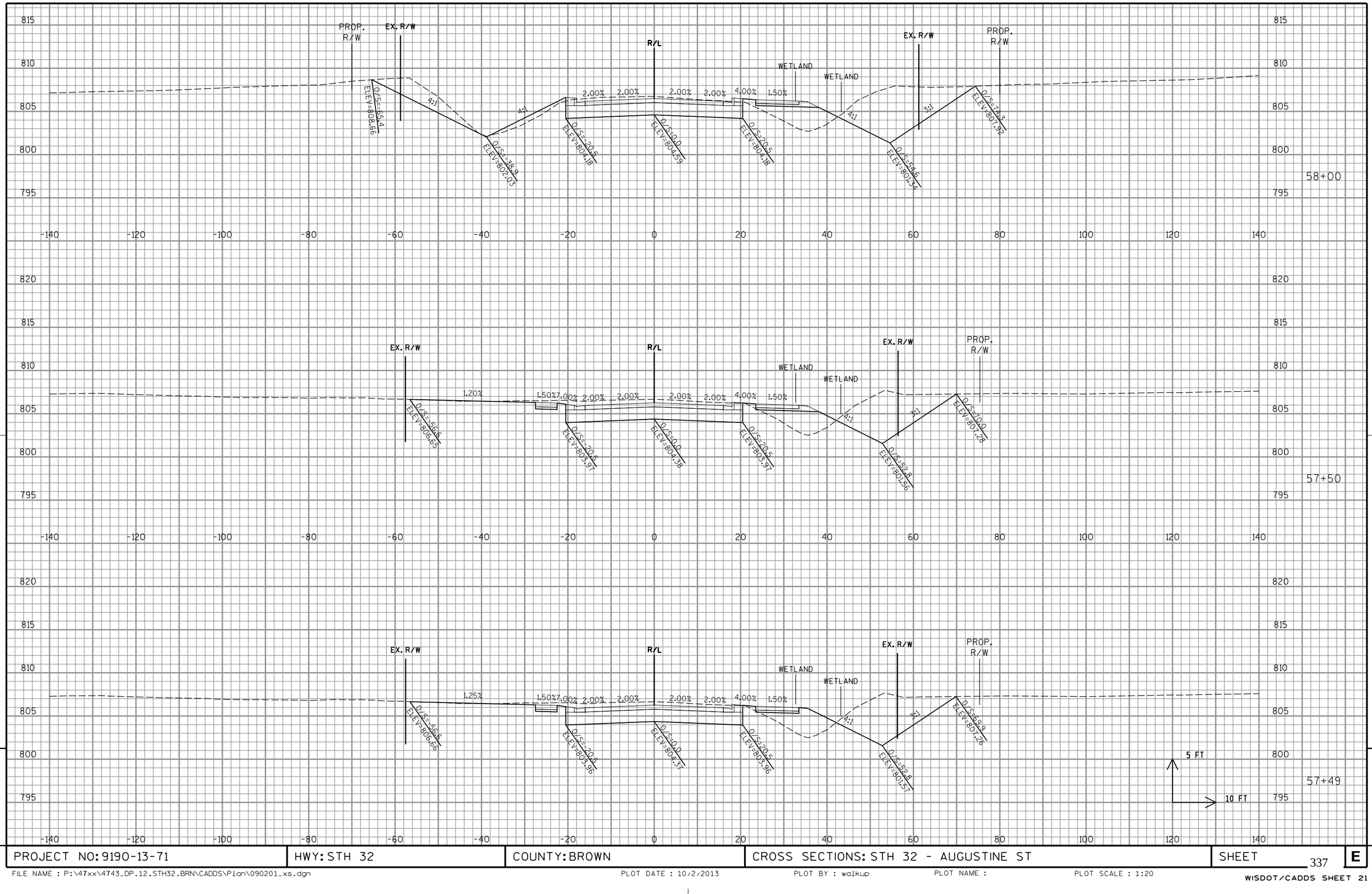
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 336	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

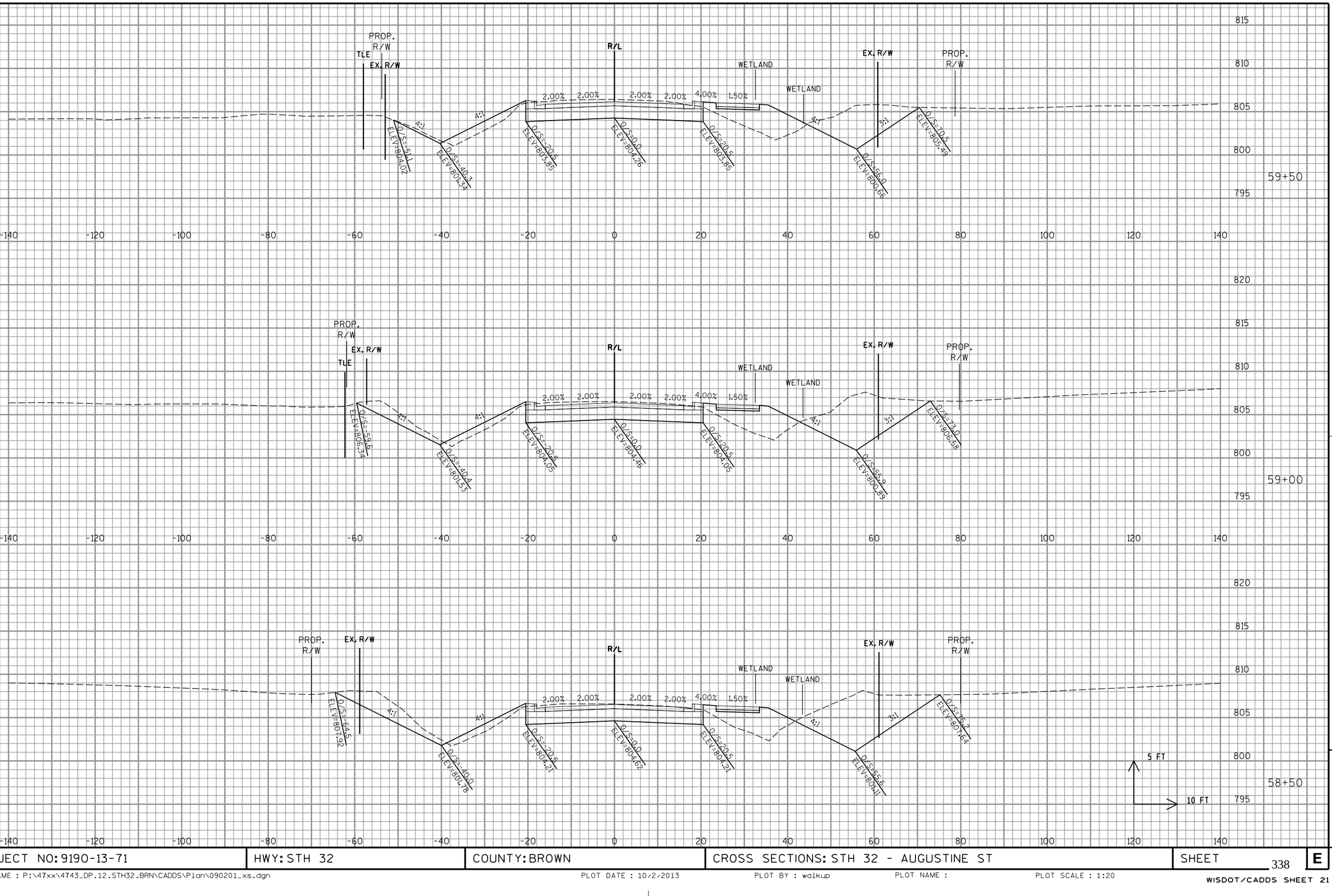
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 337	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

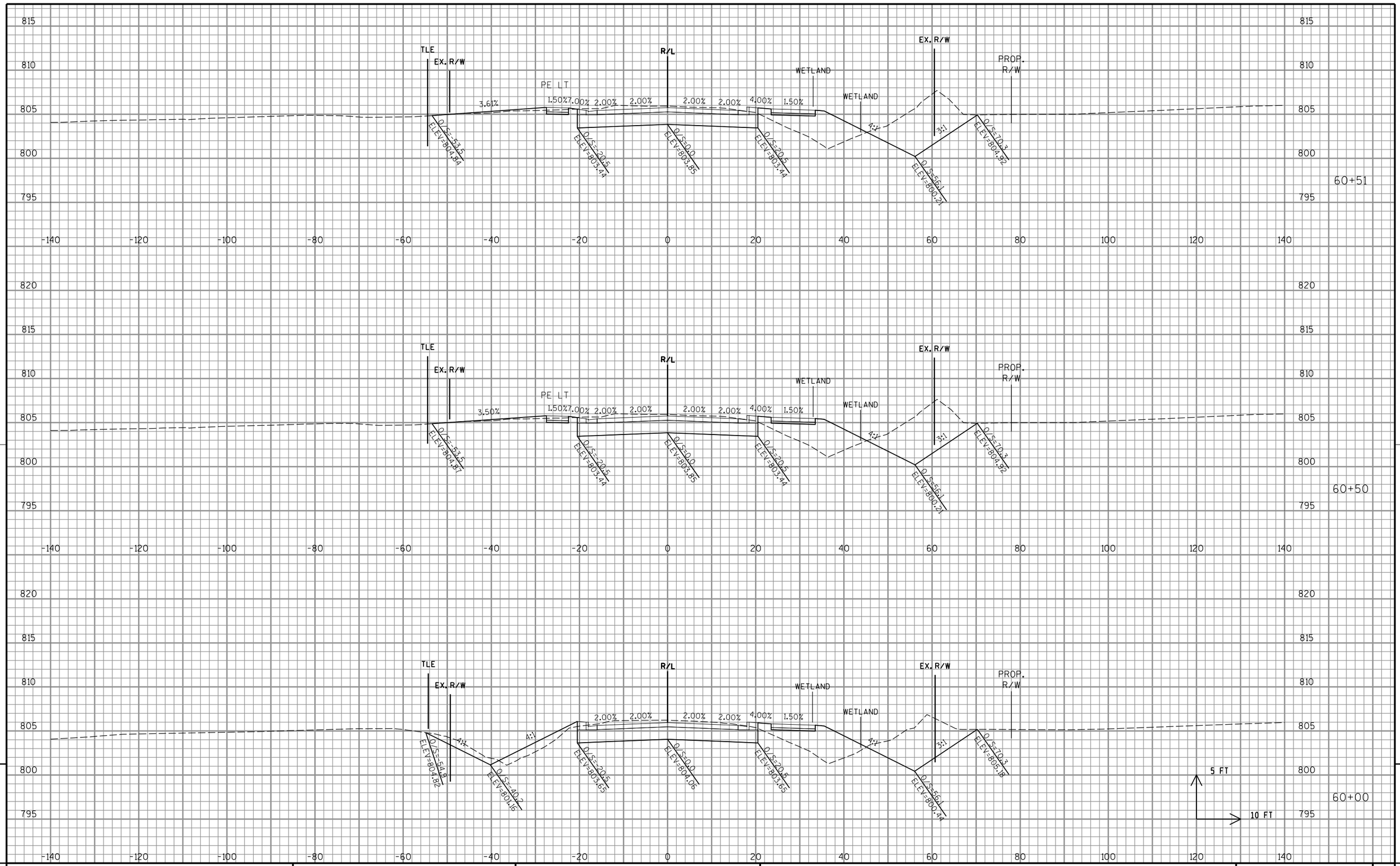
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 338	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

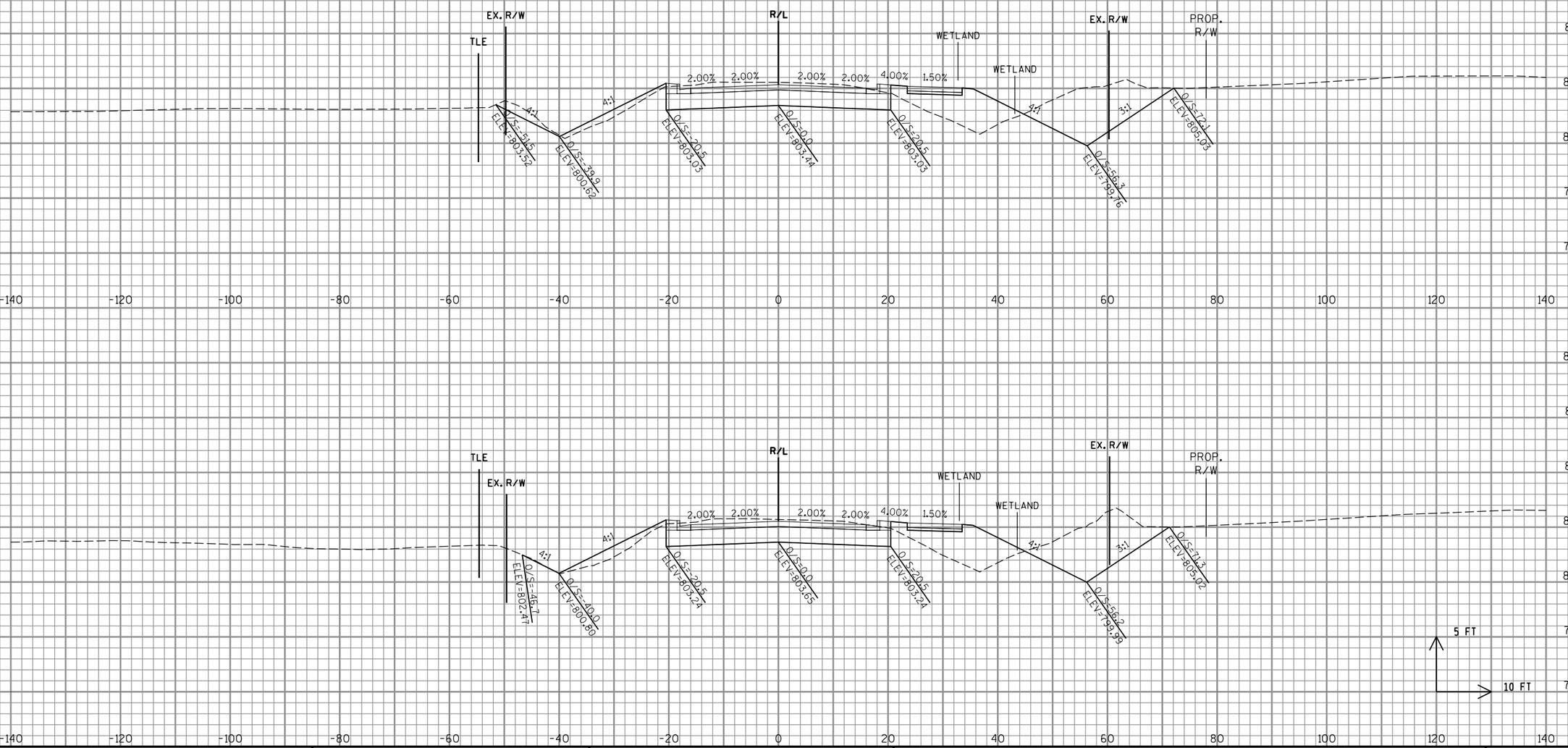
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 339	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

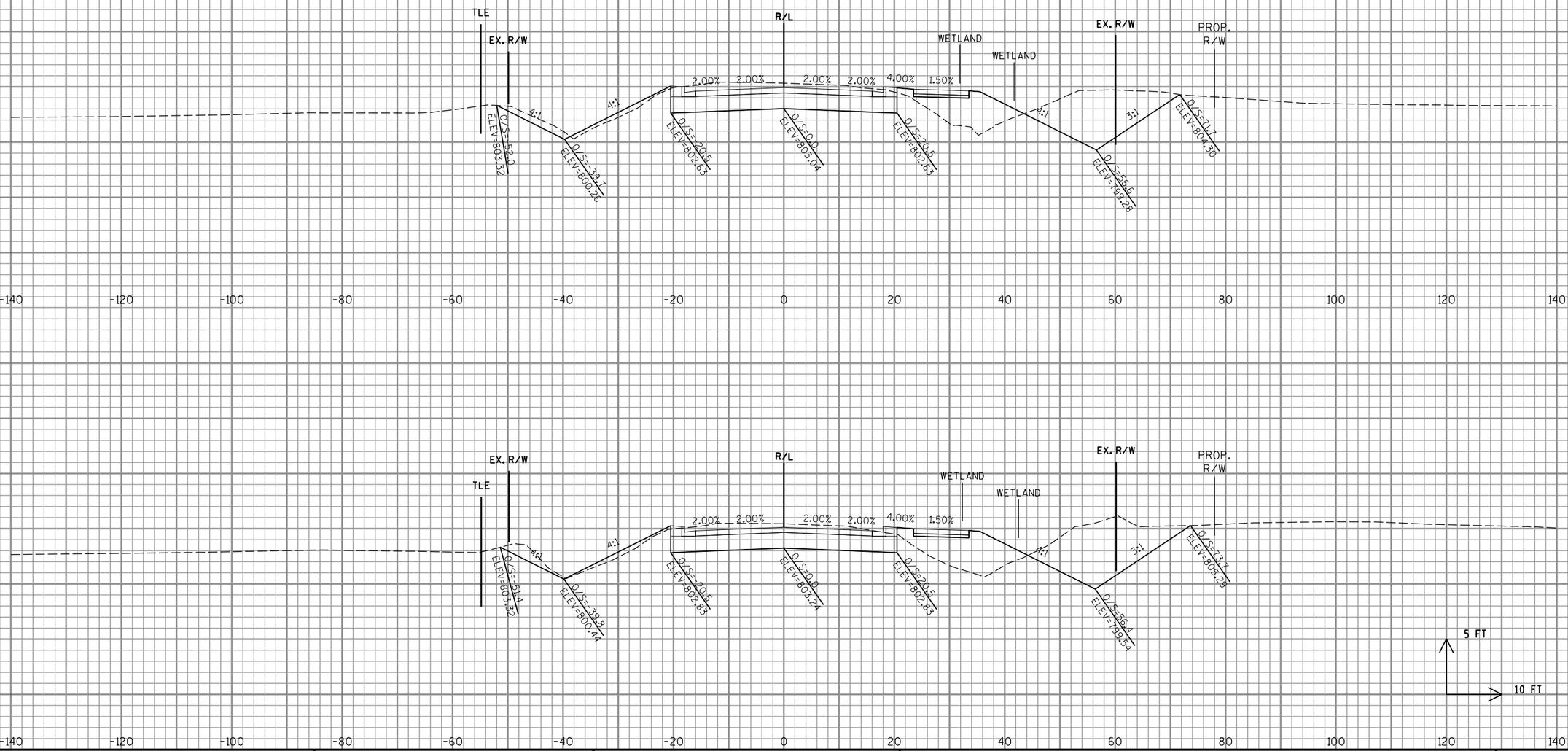
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 340	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

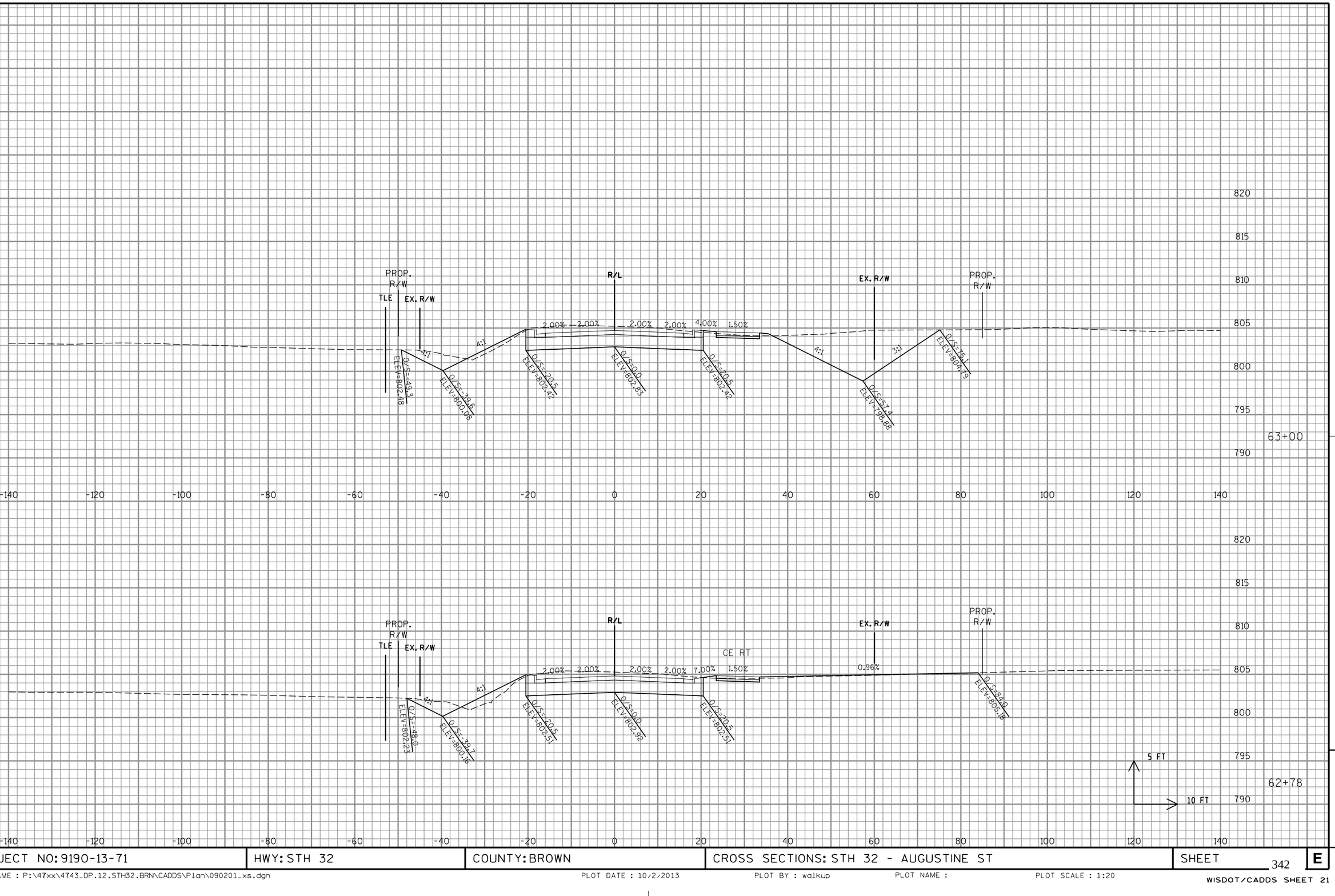
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 341	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

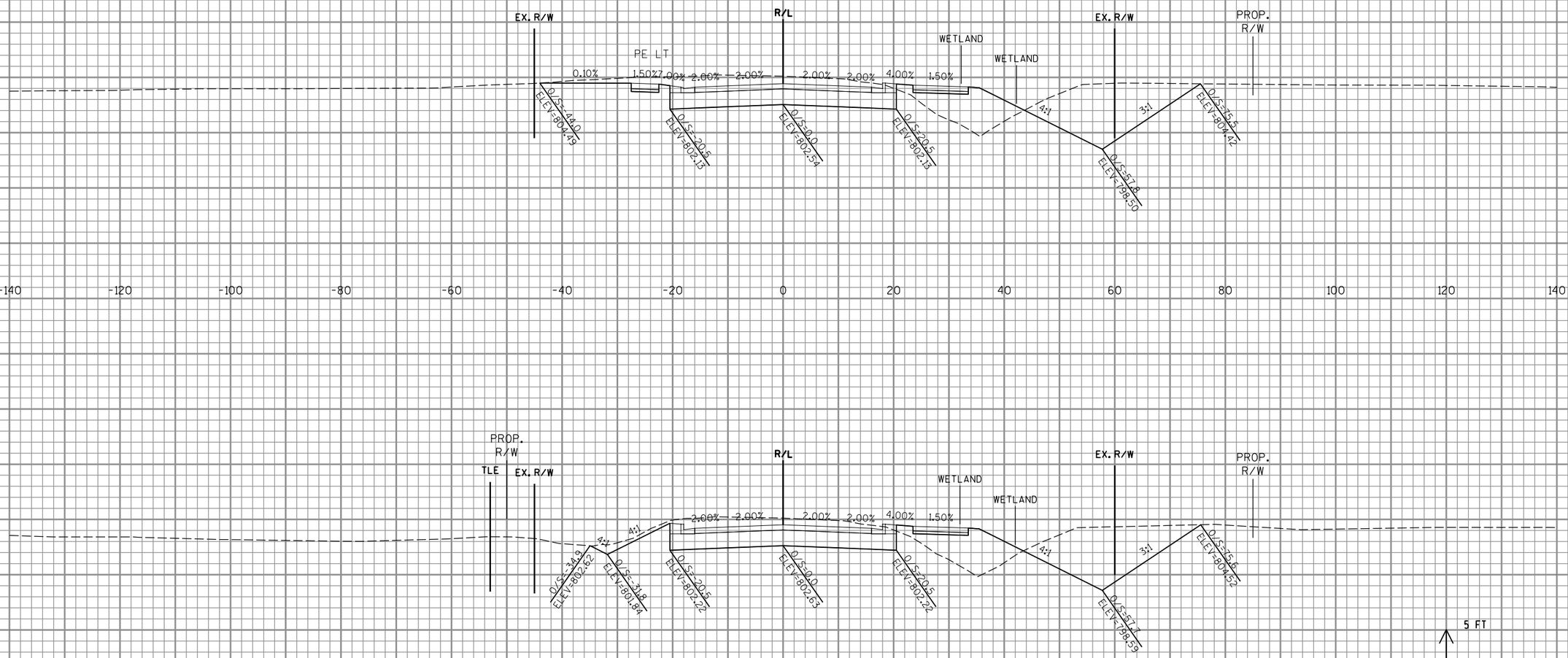
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 342	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

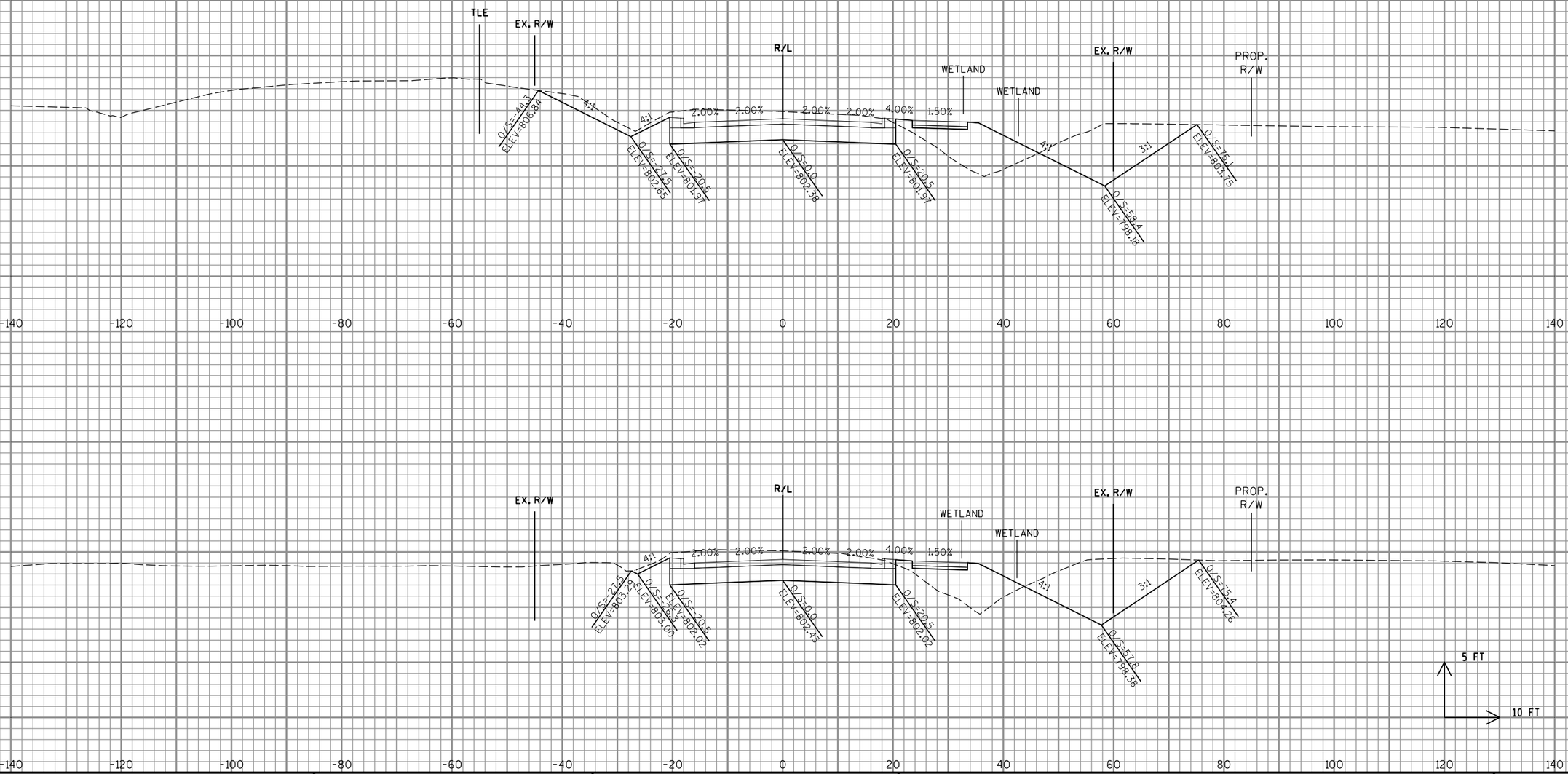
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 343	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

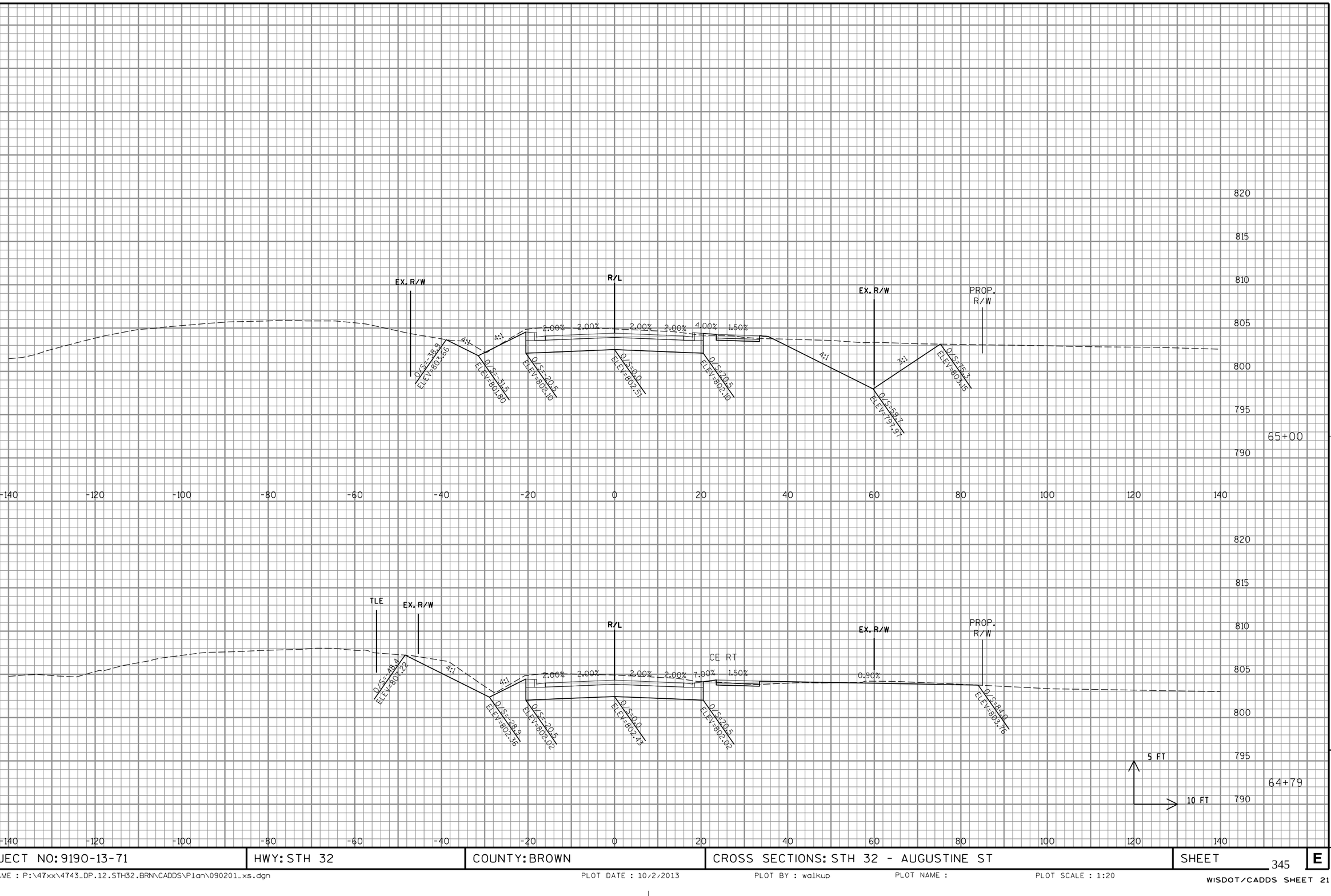
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 344	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

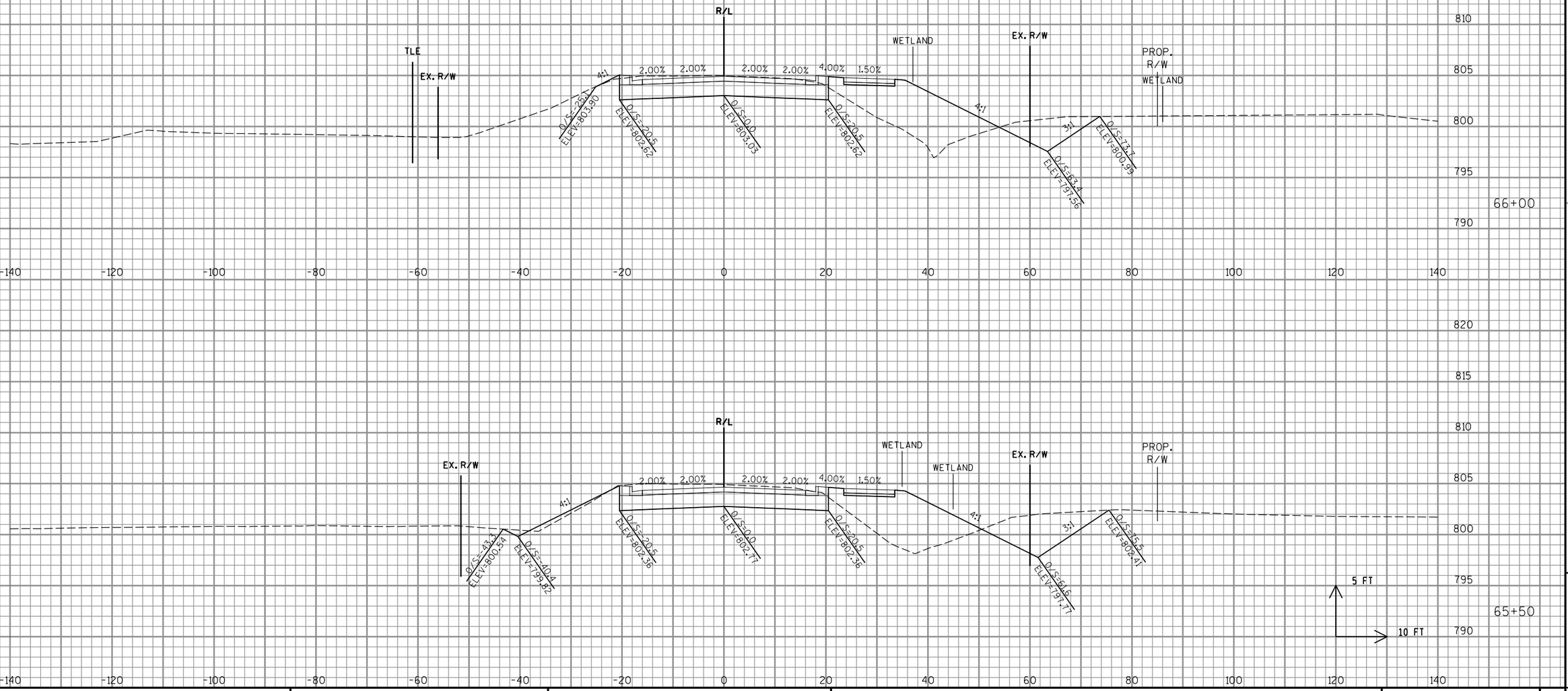
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 345	E

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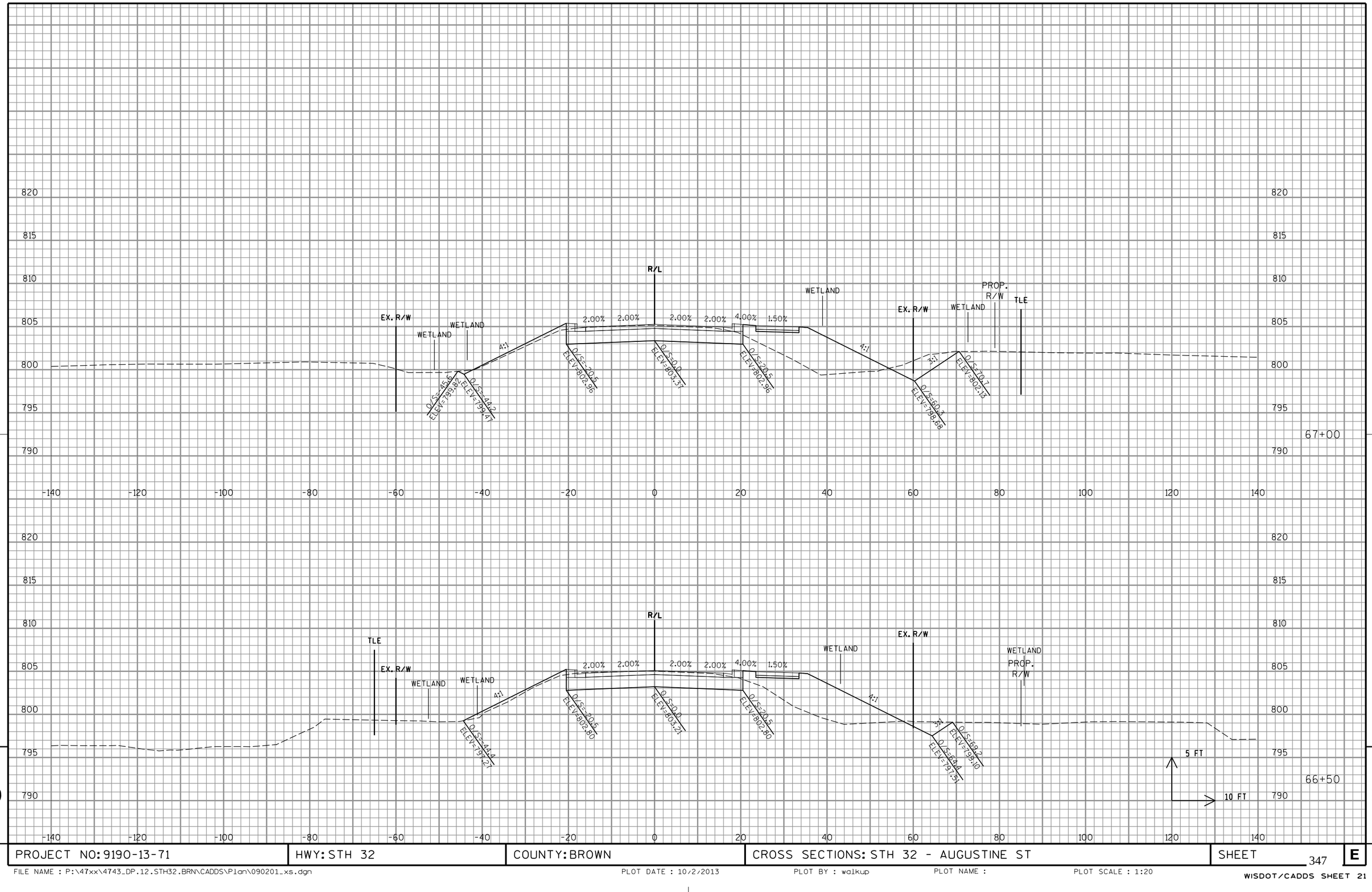
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 346	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



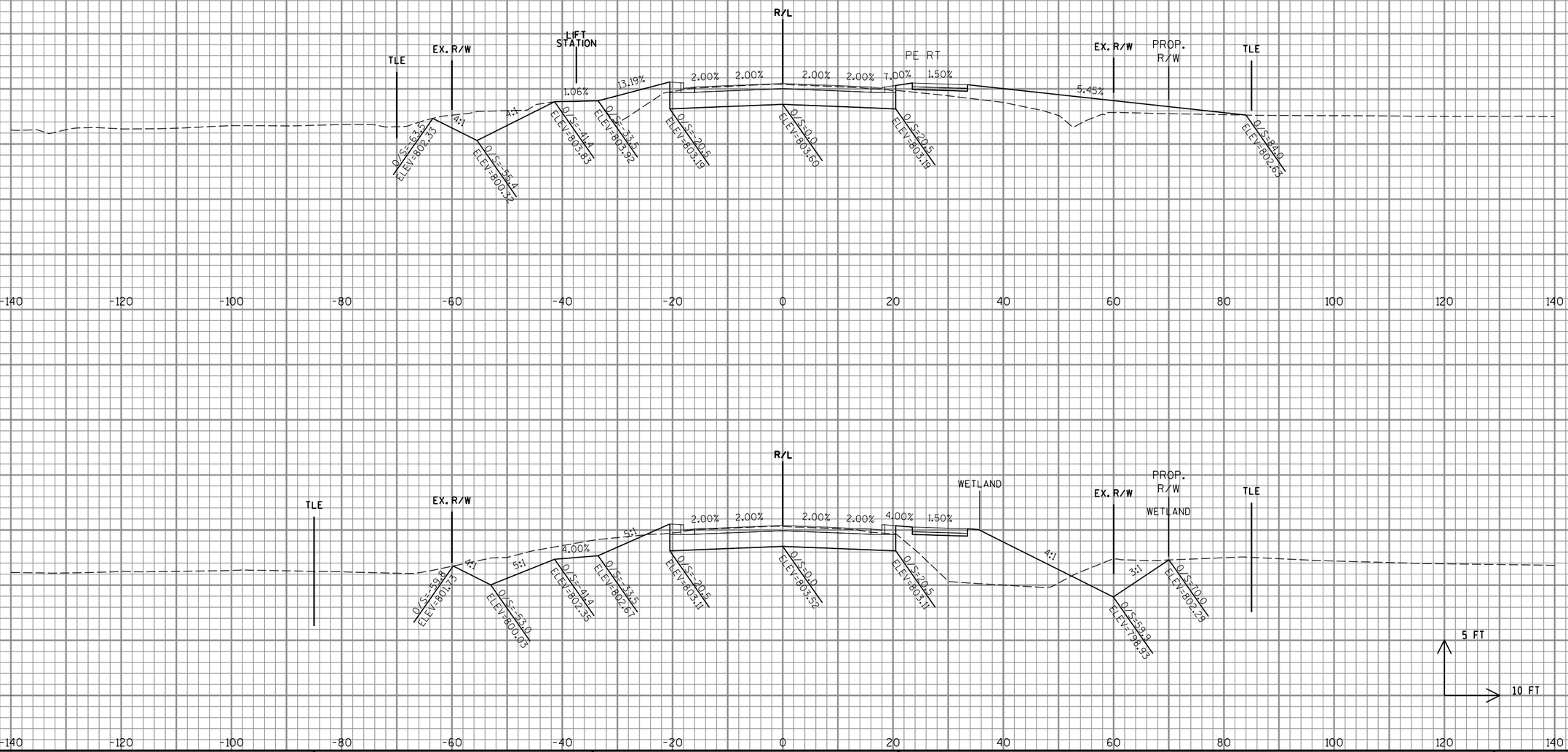
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 347	E

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WISDOT/CADDS SHEET 21



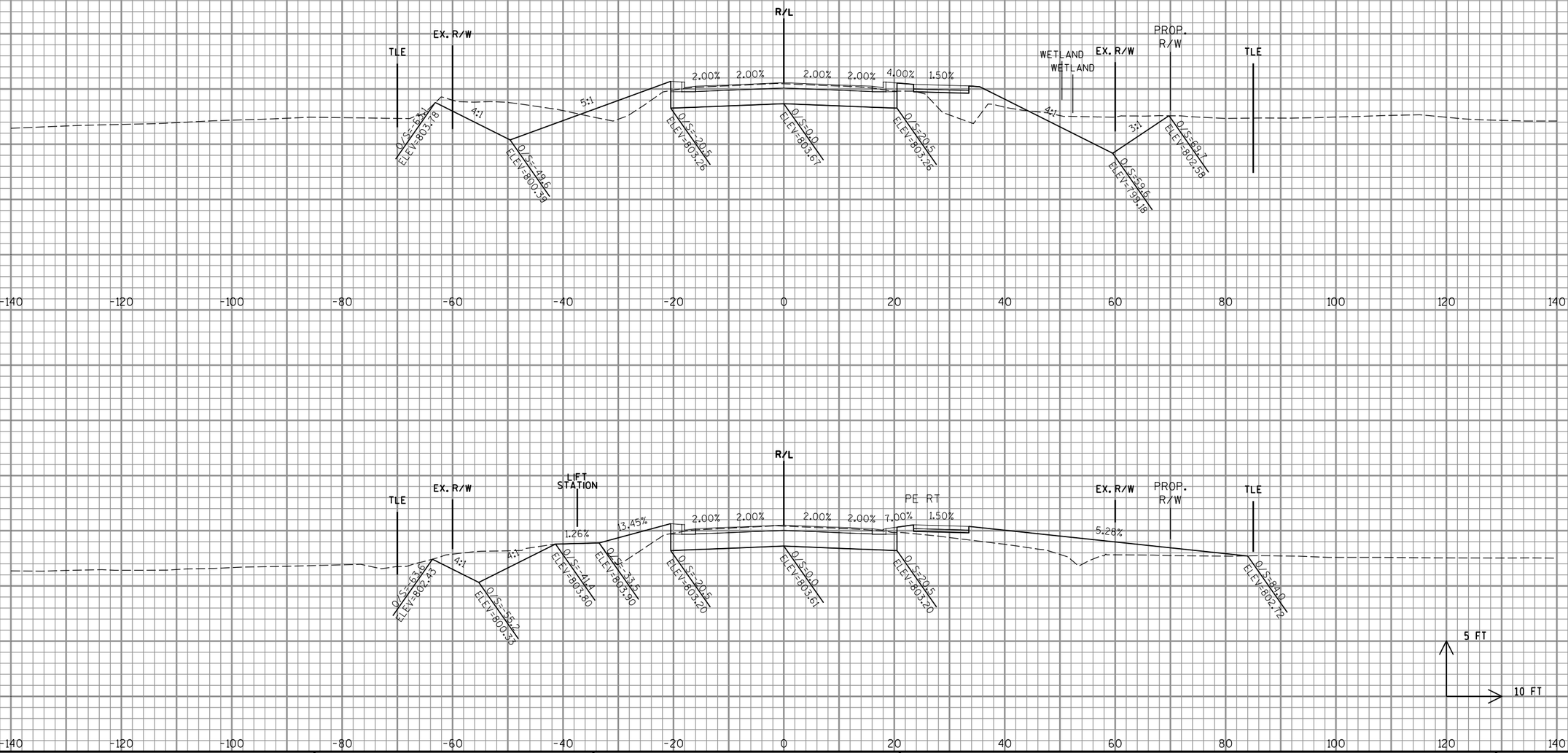
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 348	E

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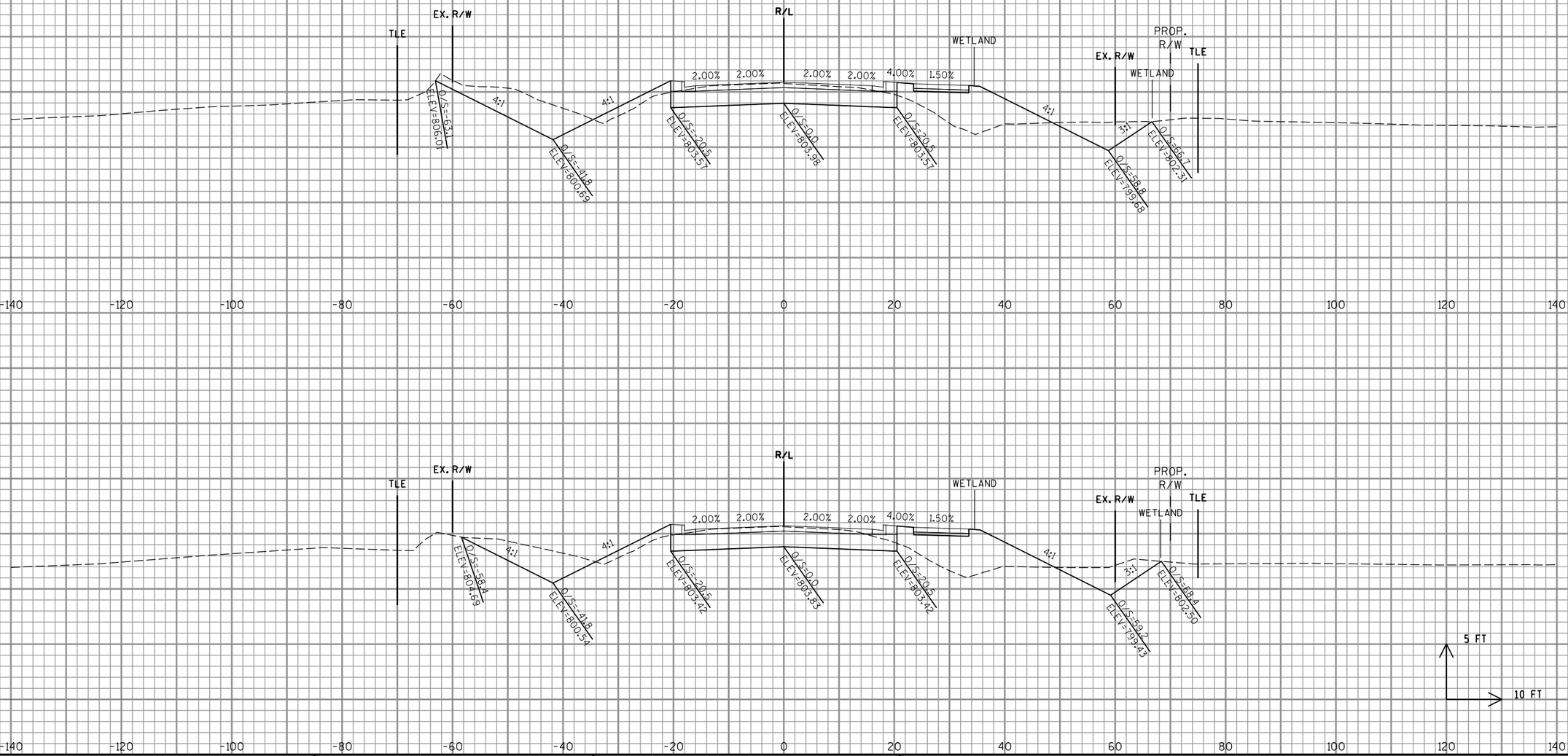
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 349	E

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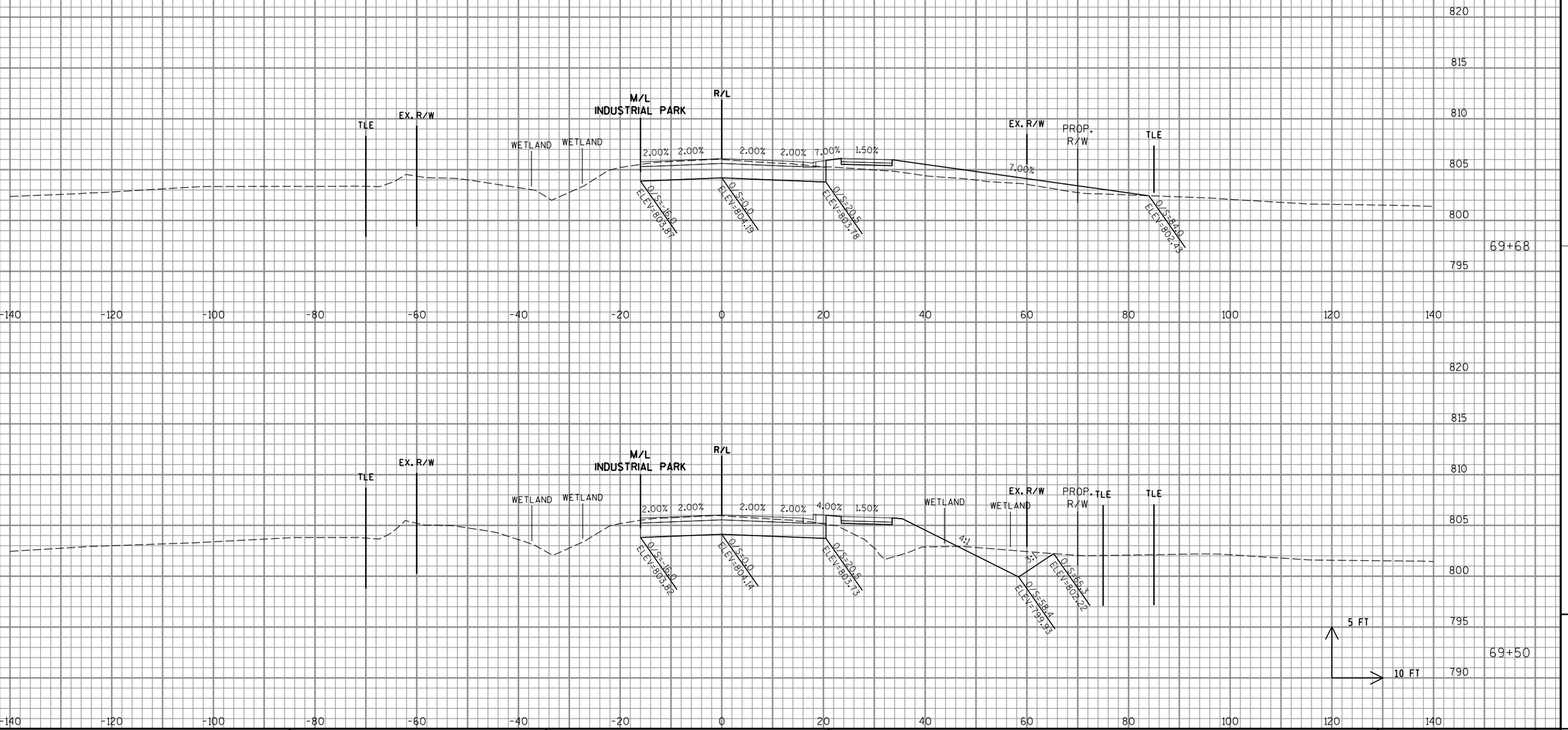
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 350	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

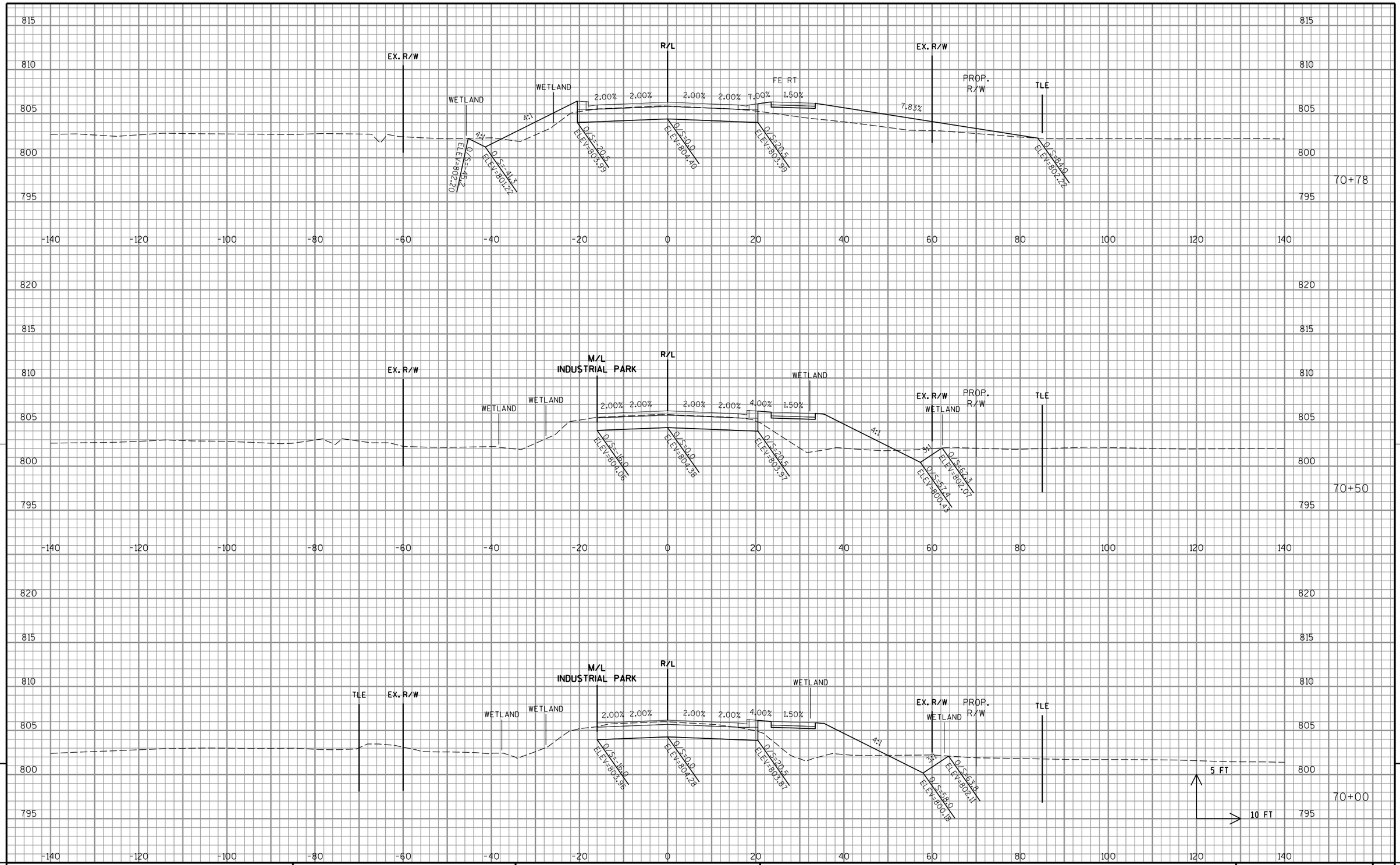
WISDOT/CADDS SHEET 21



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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 351	E



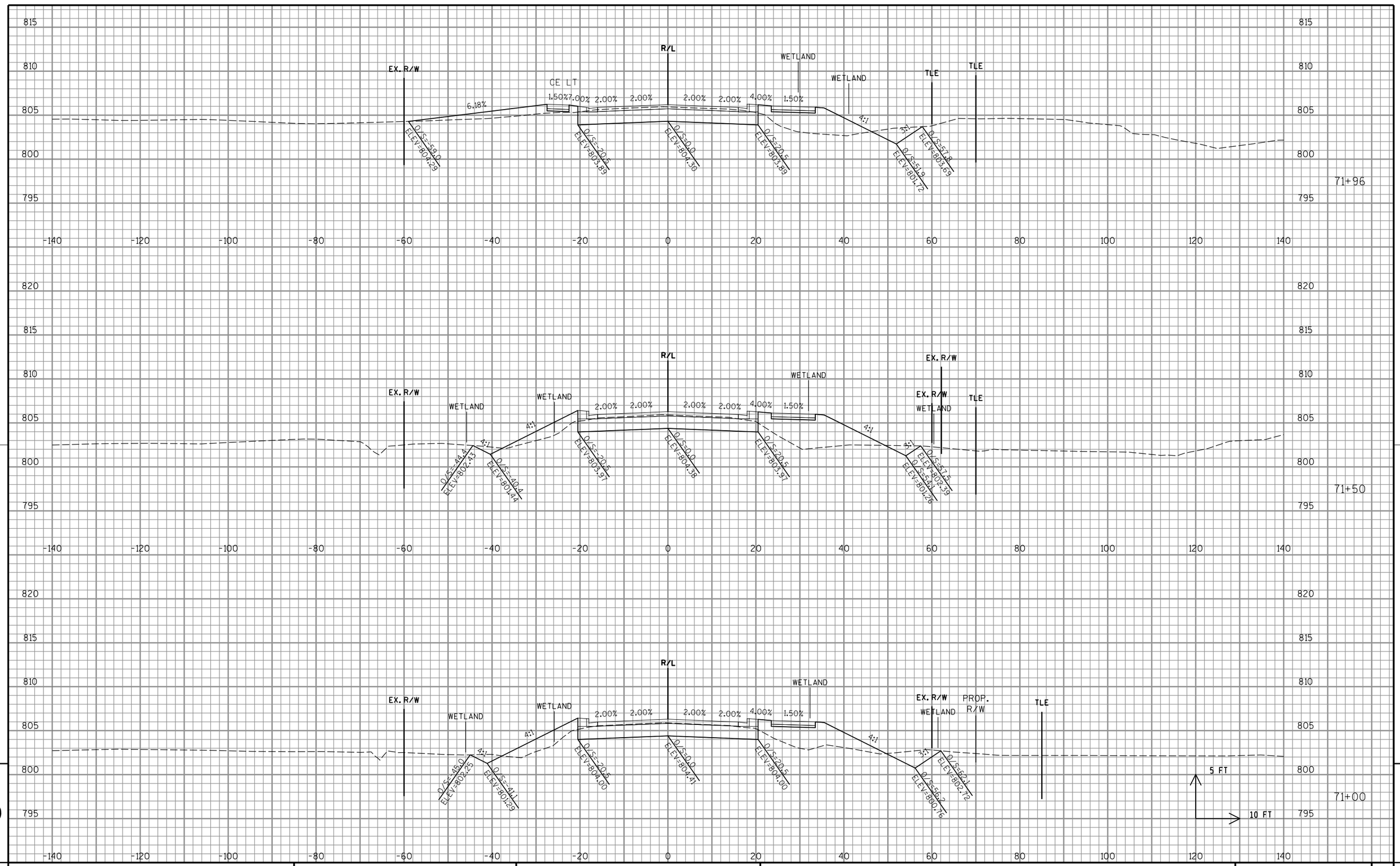
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 352 E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

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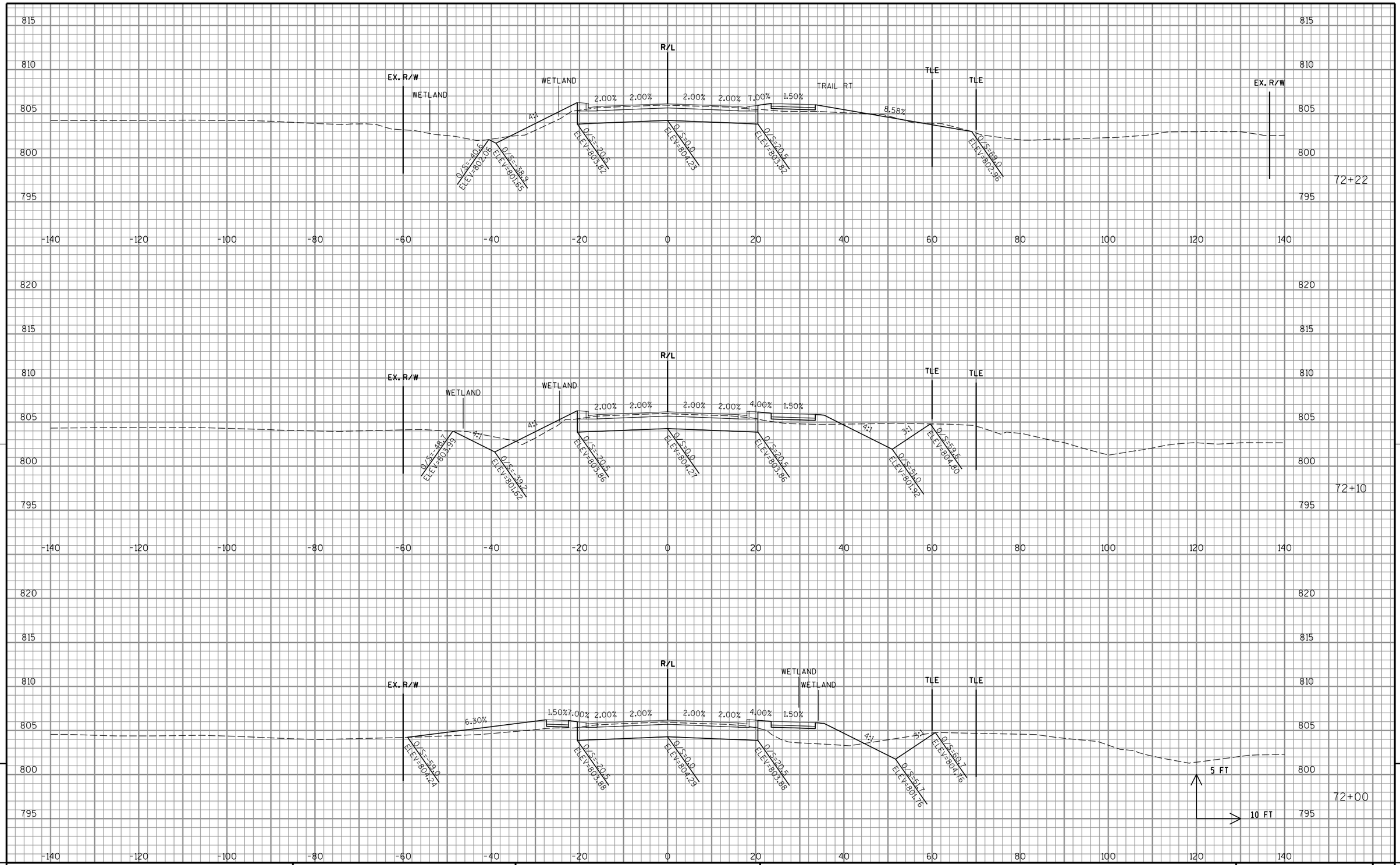
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 353	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



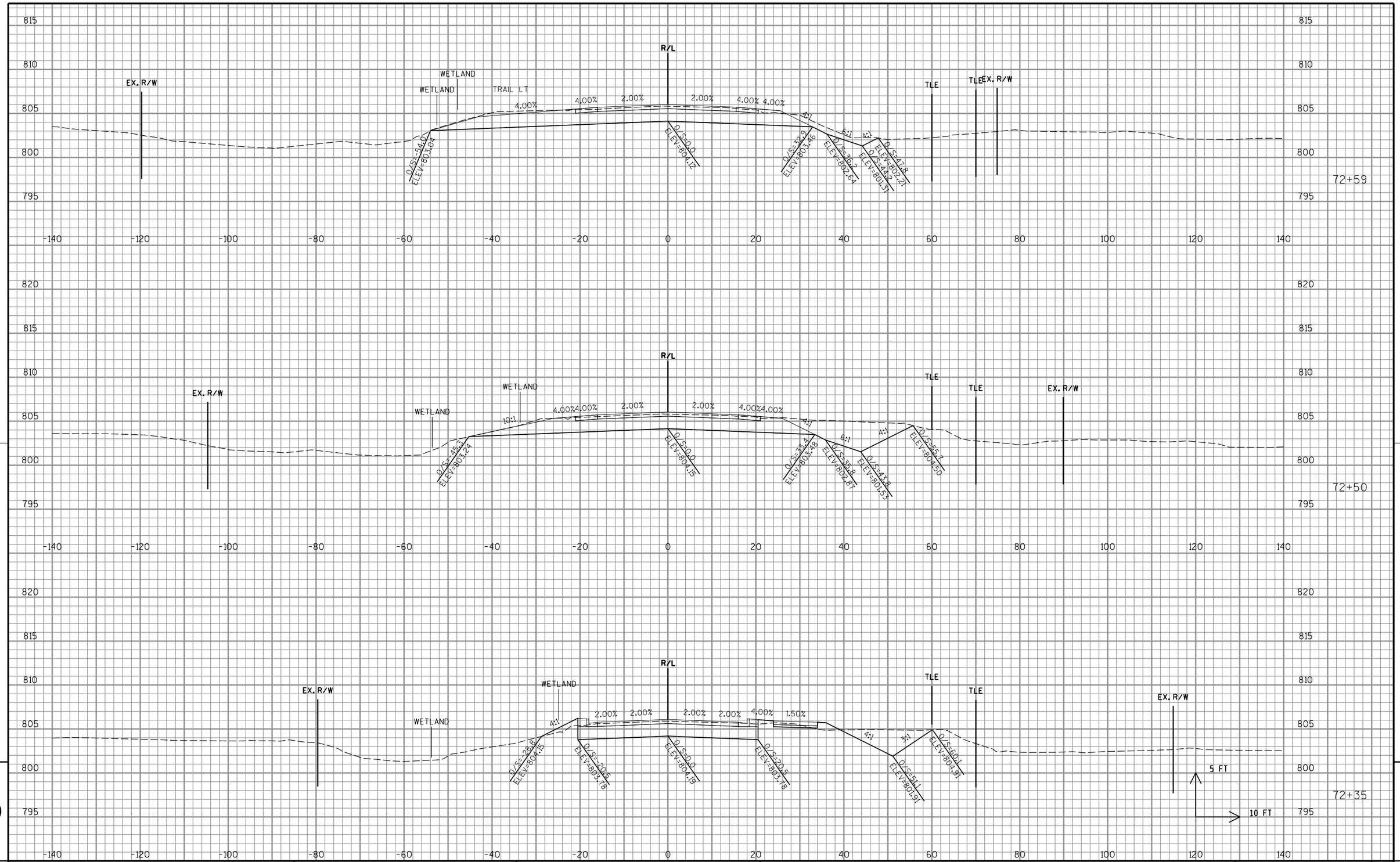
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 354	E

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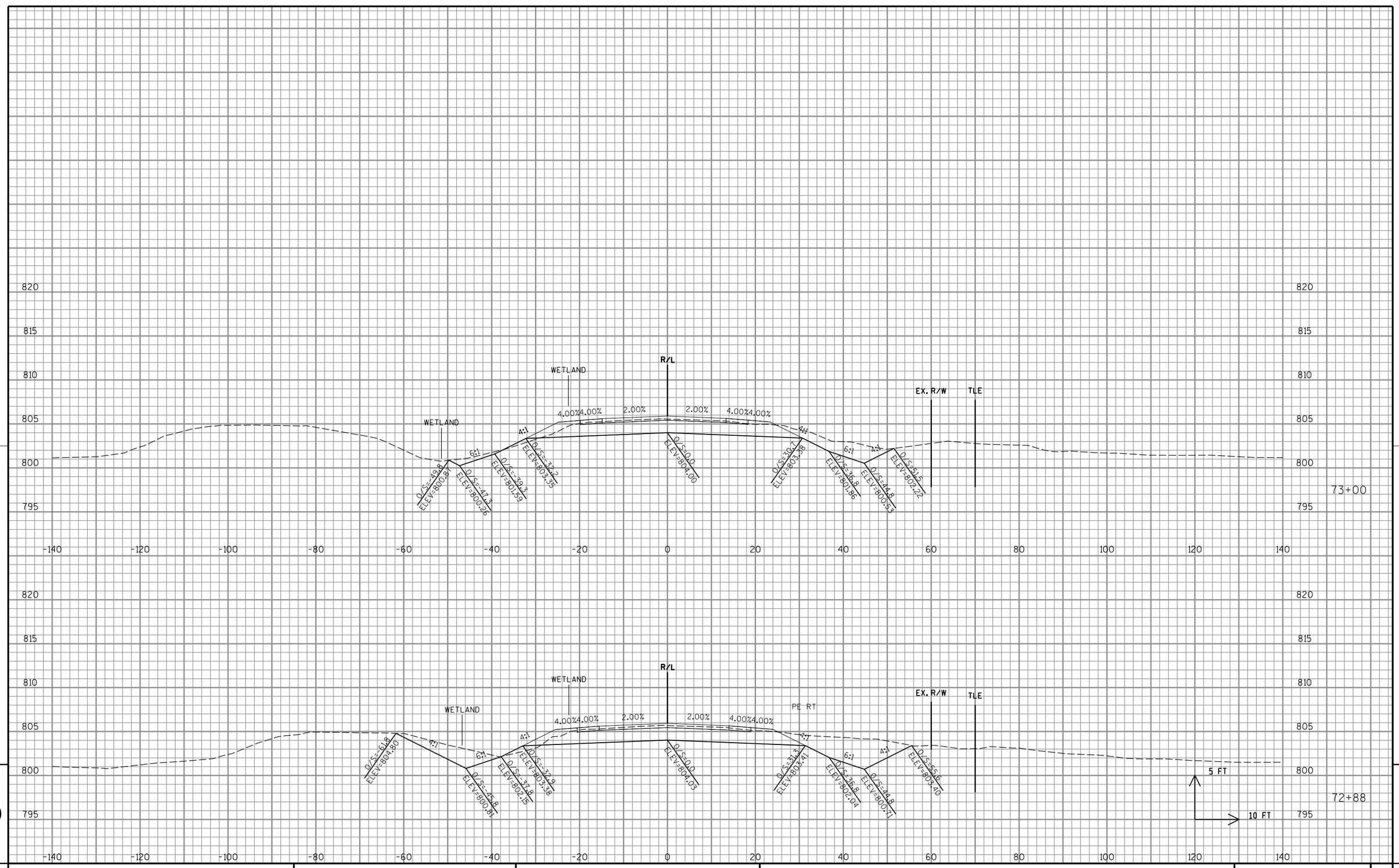
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 355	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



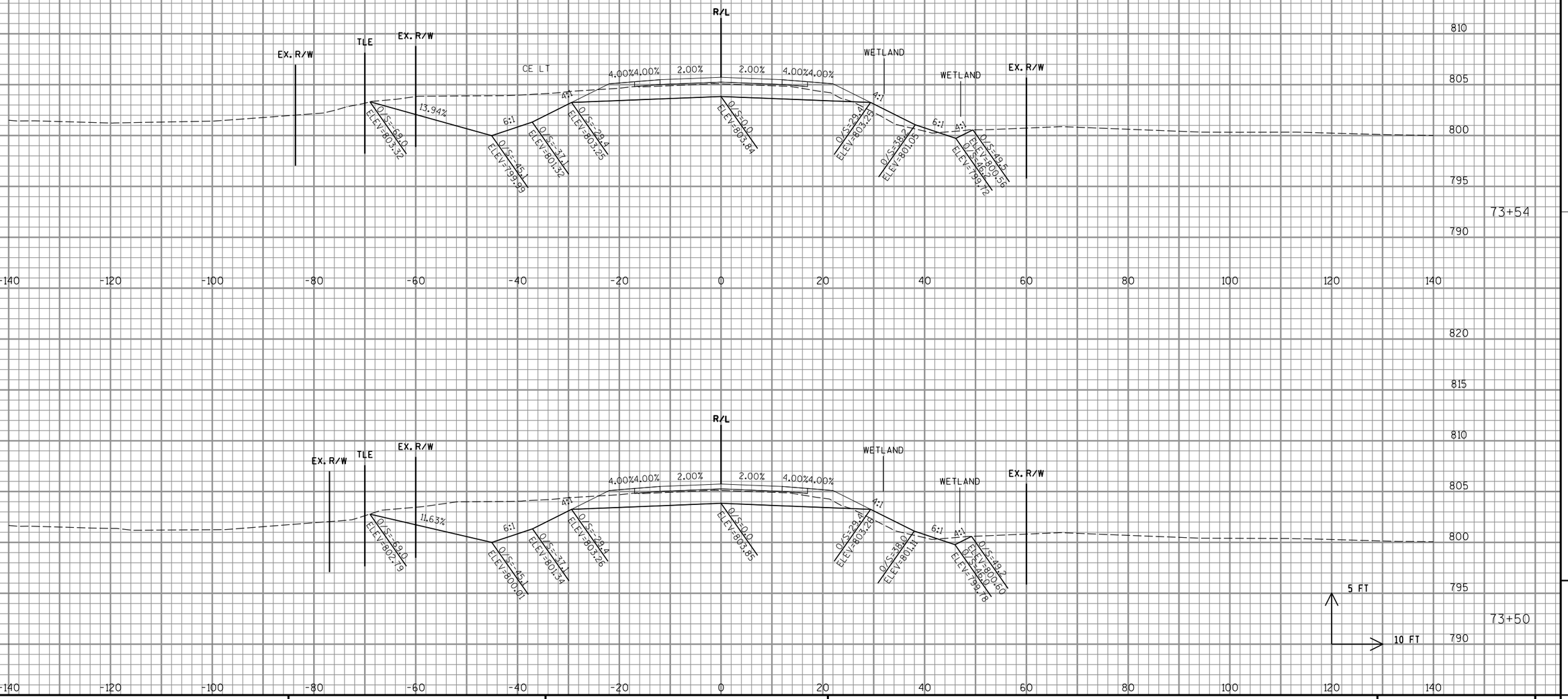
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 356	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

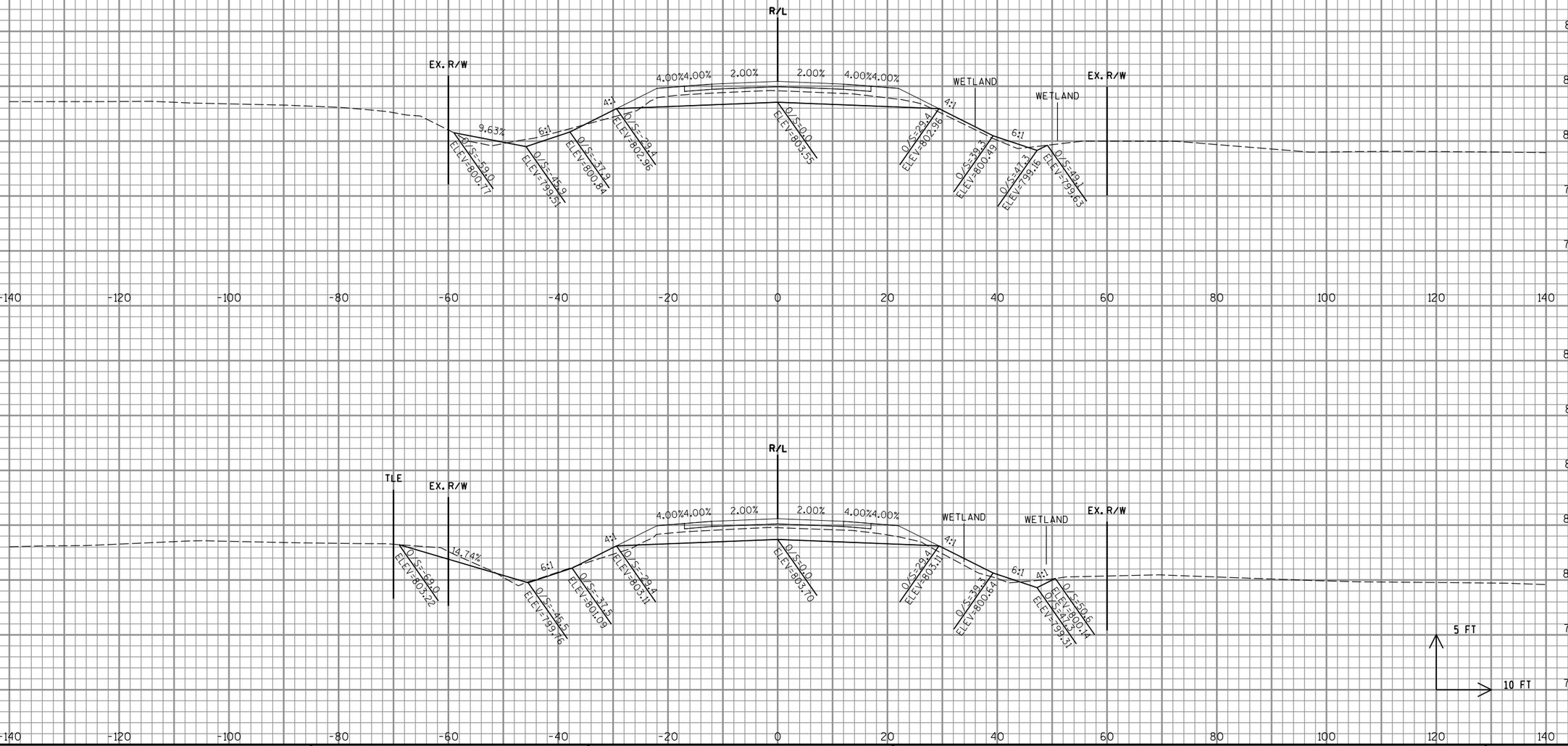
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 357	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



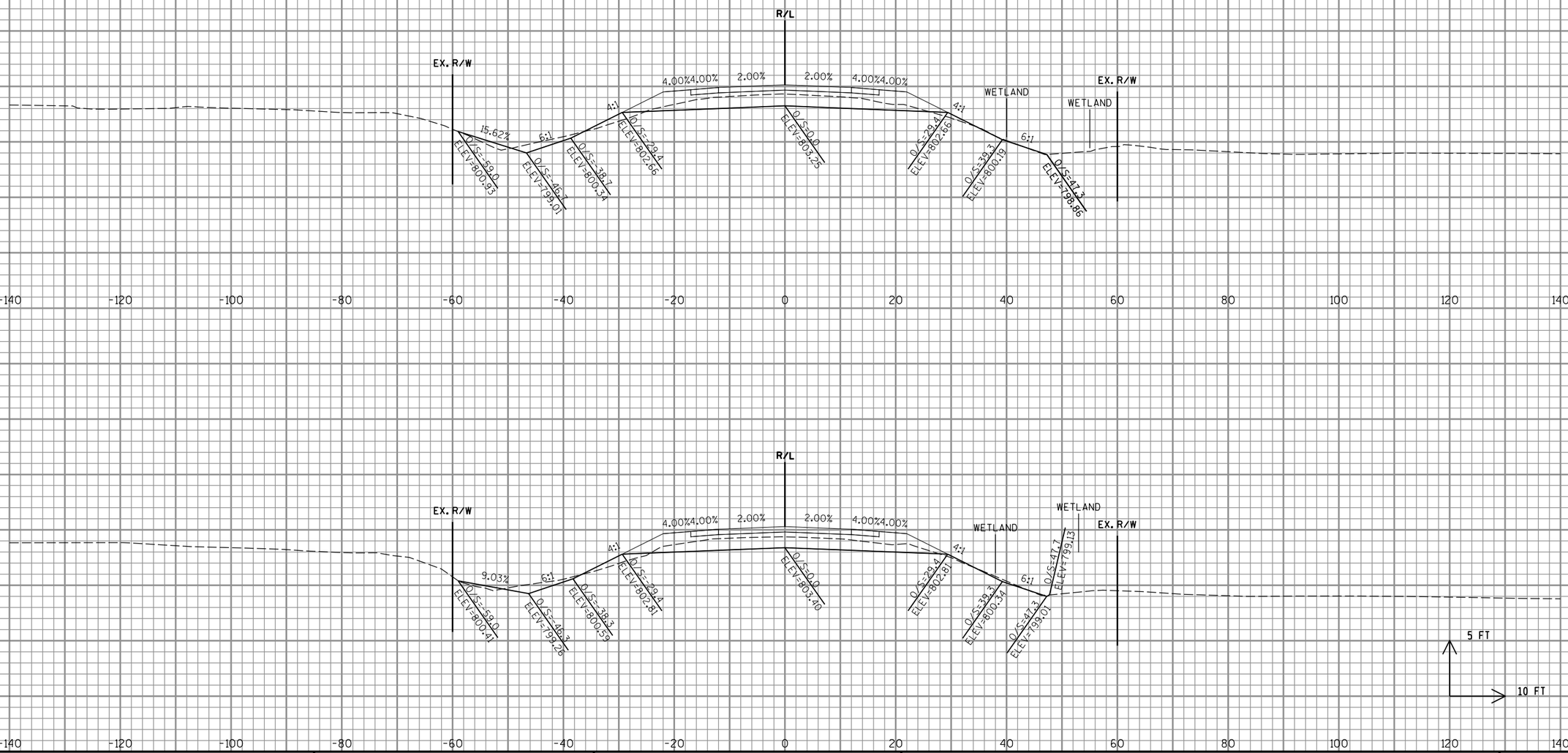
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 358	E

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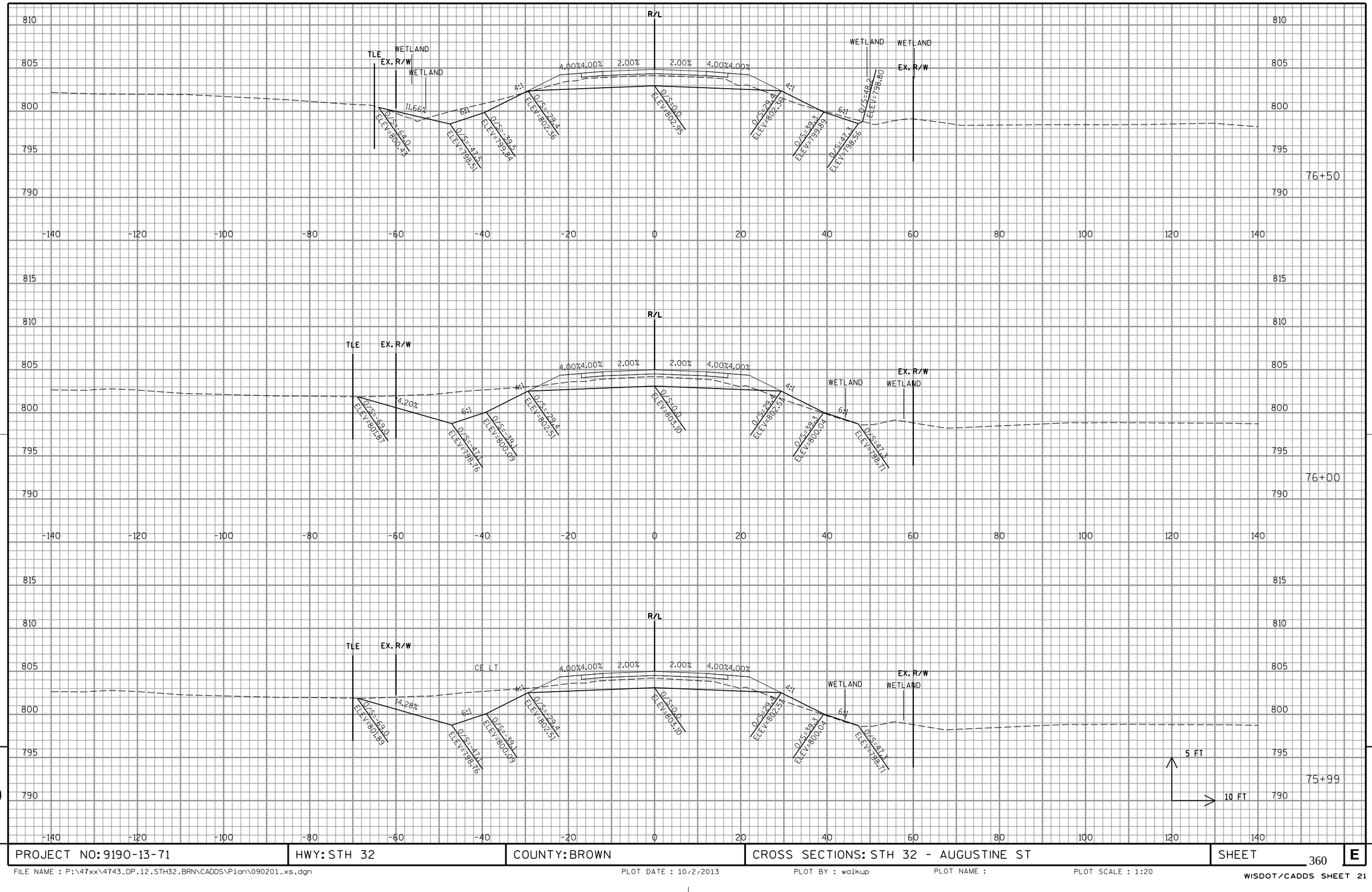
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 359	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

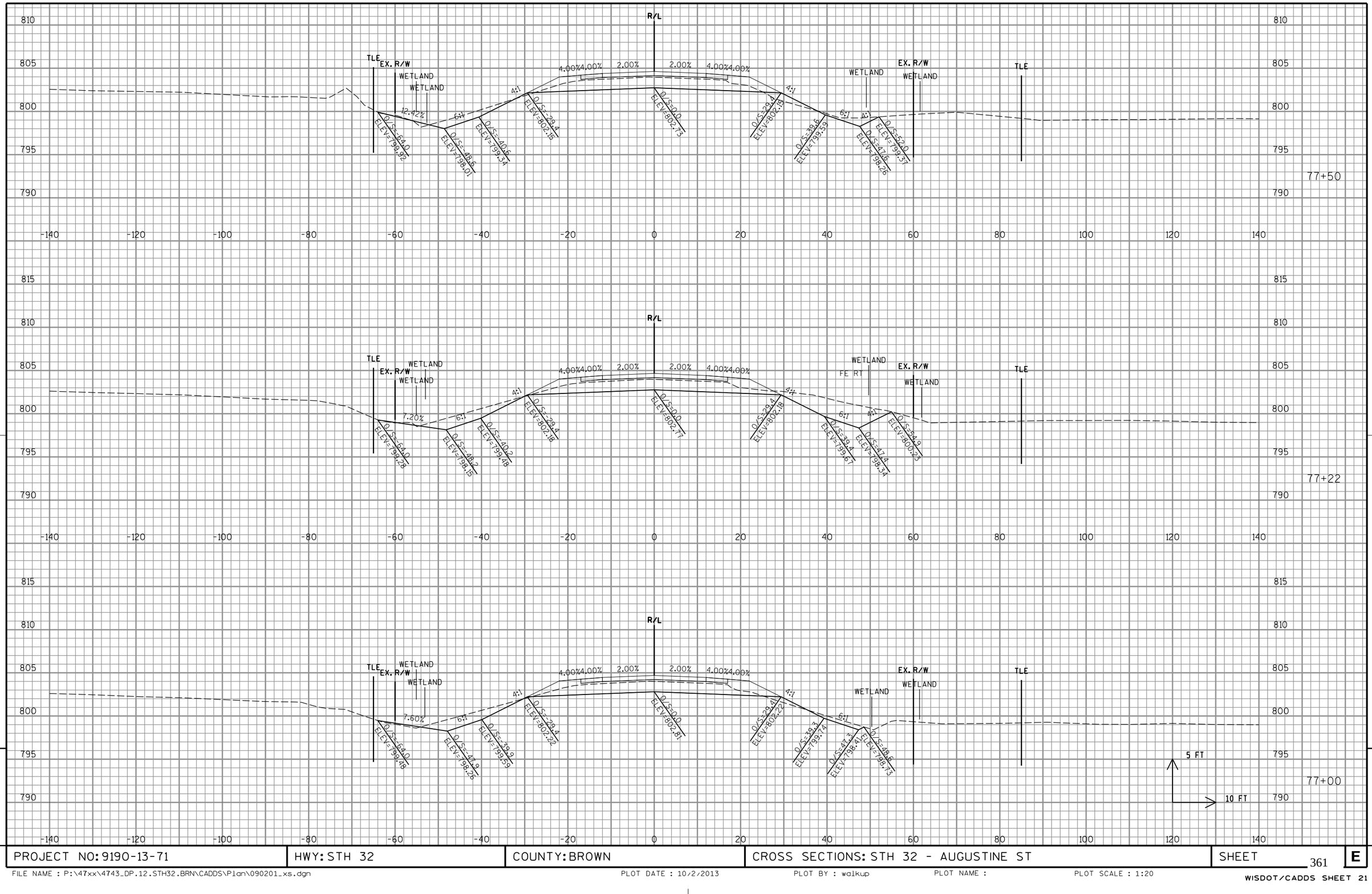
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 360	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21

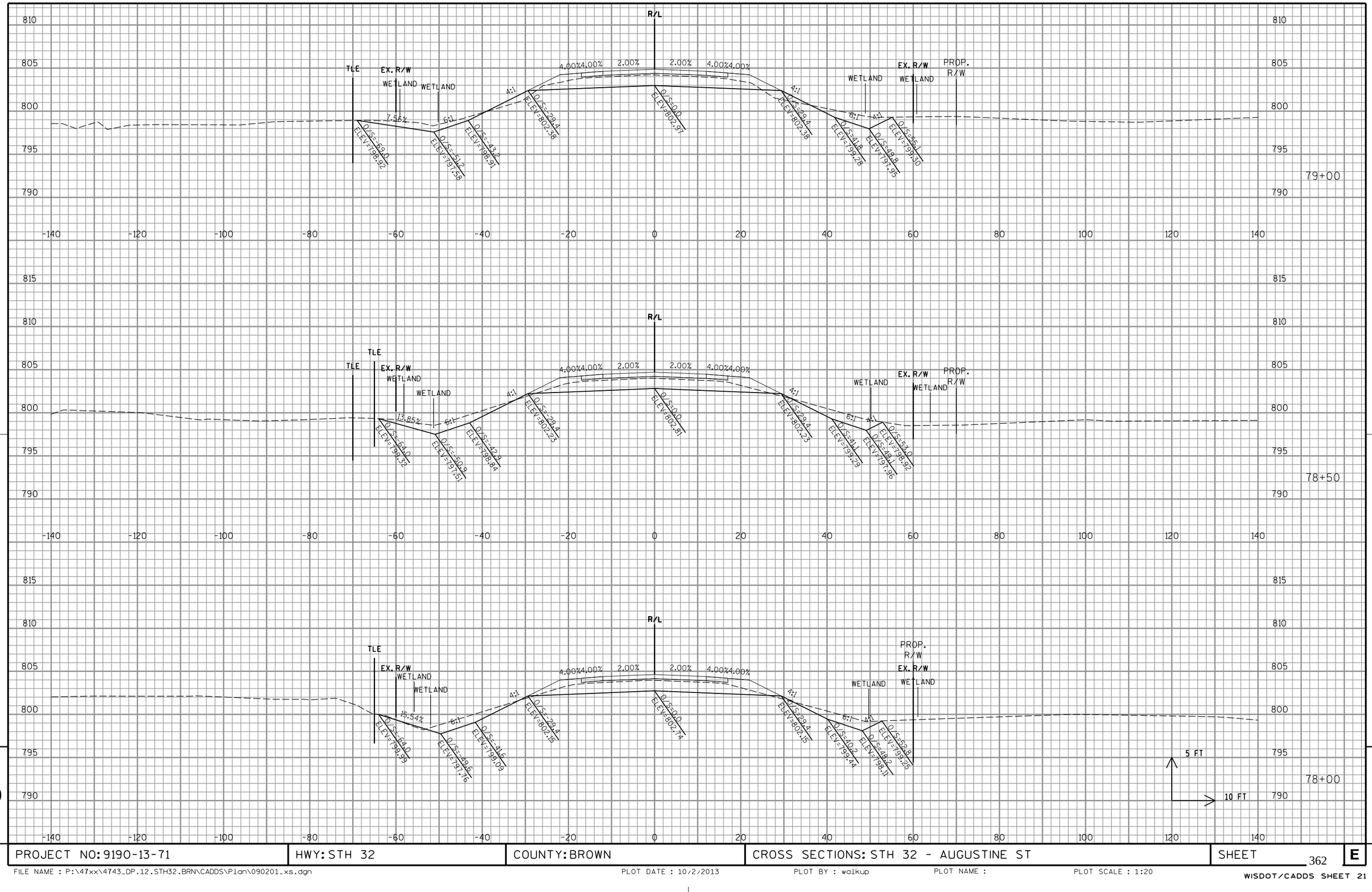


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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 361	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



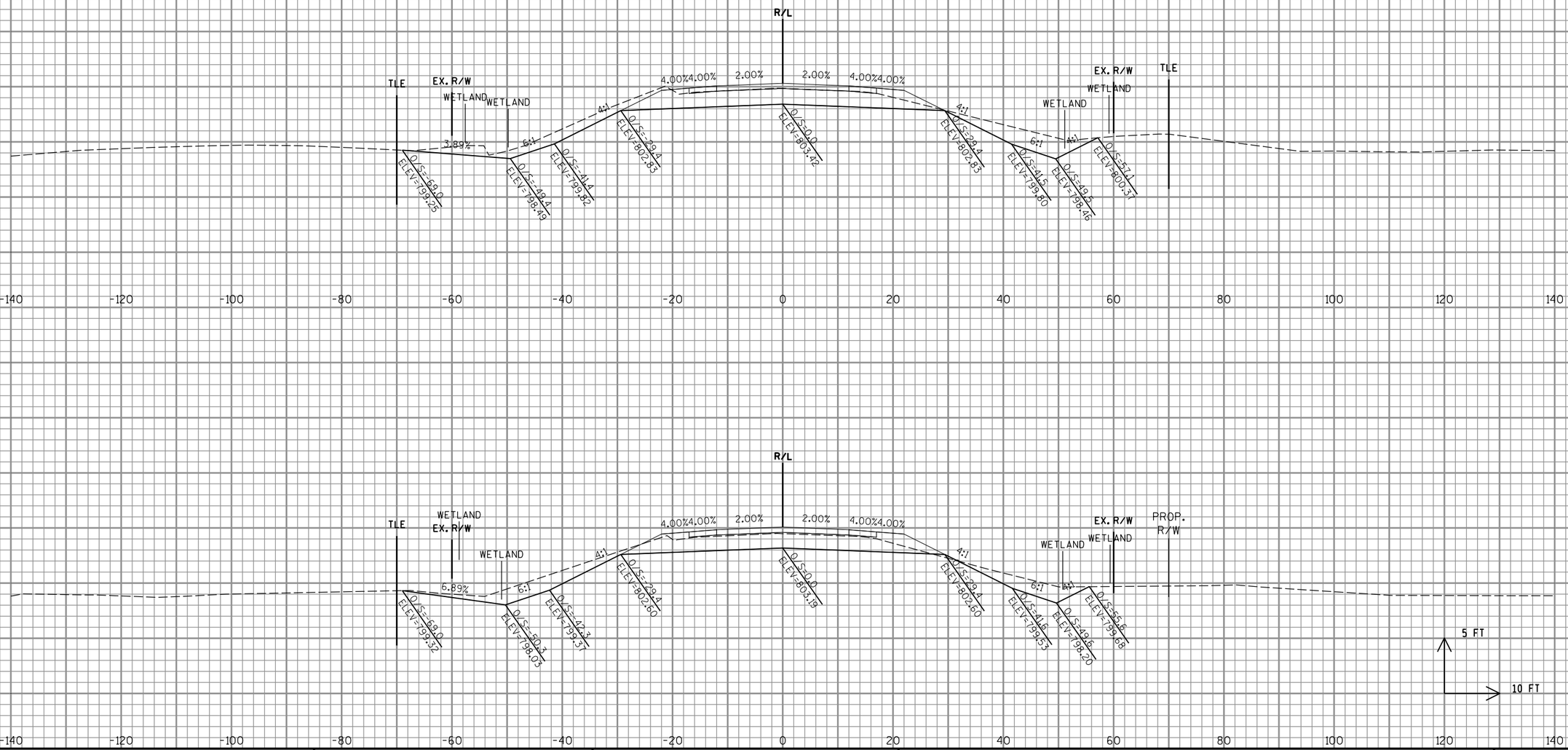
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 362	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



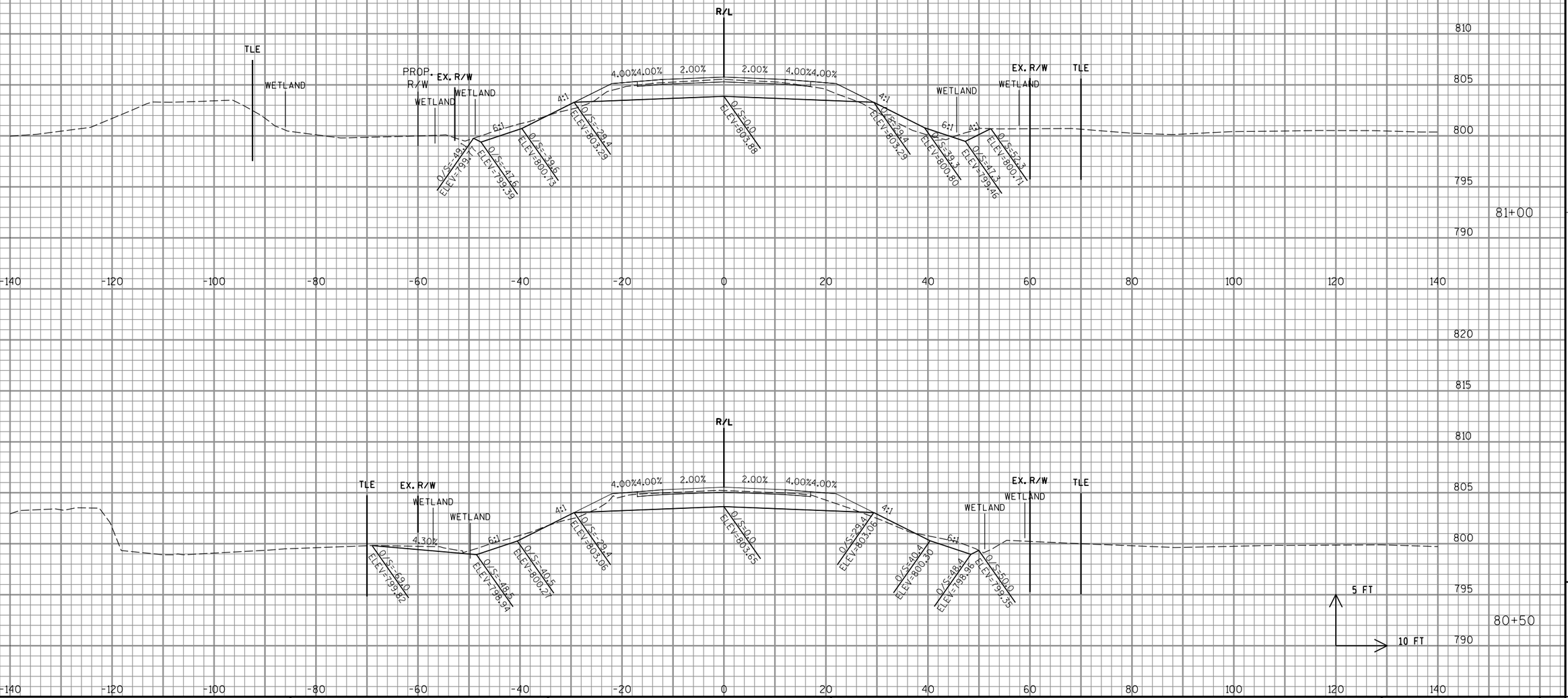
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 363	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



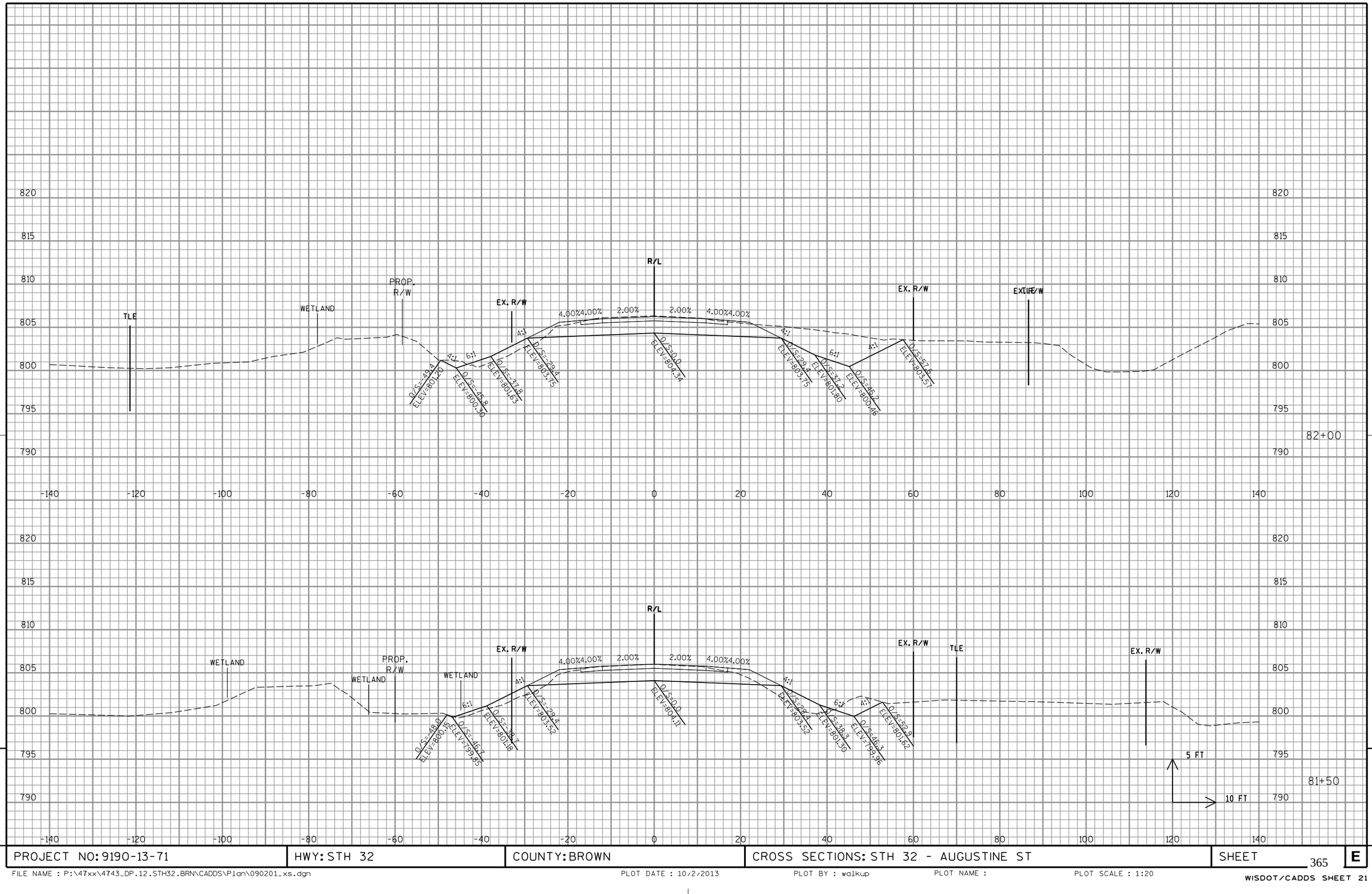
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 364	E

9

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

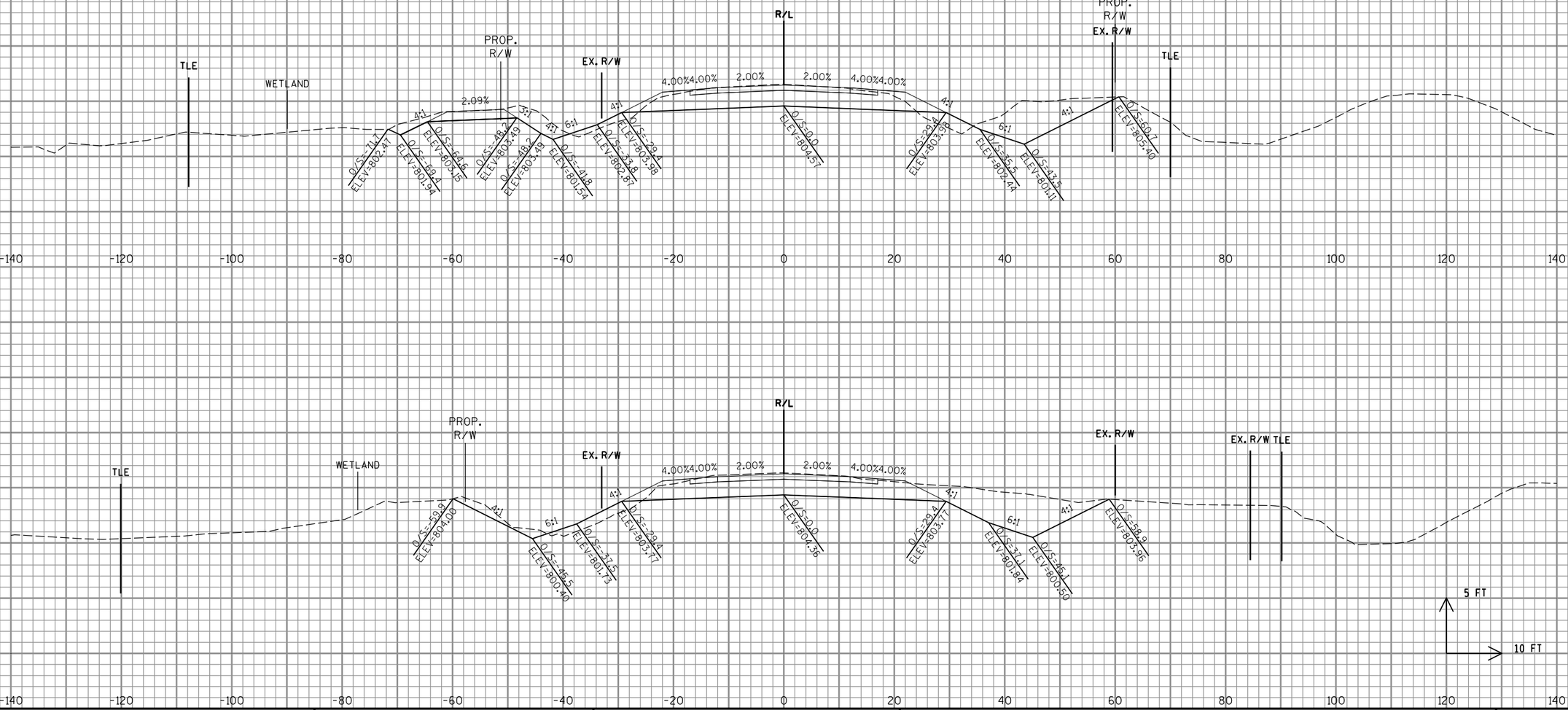
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 365	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

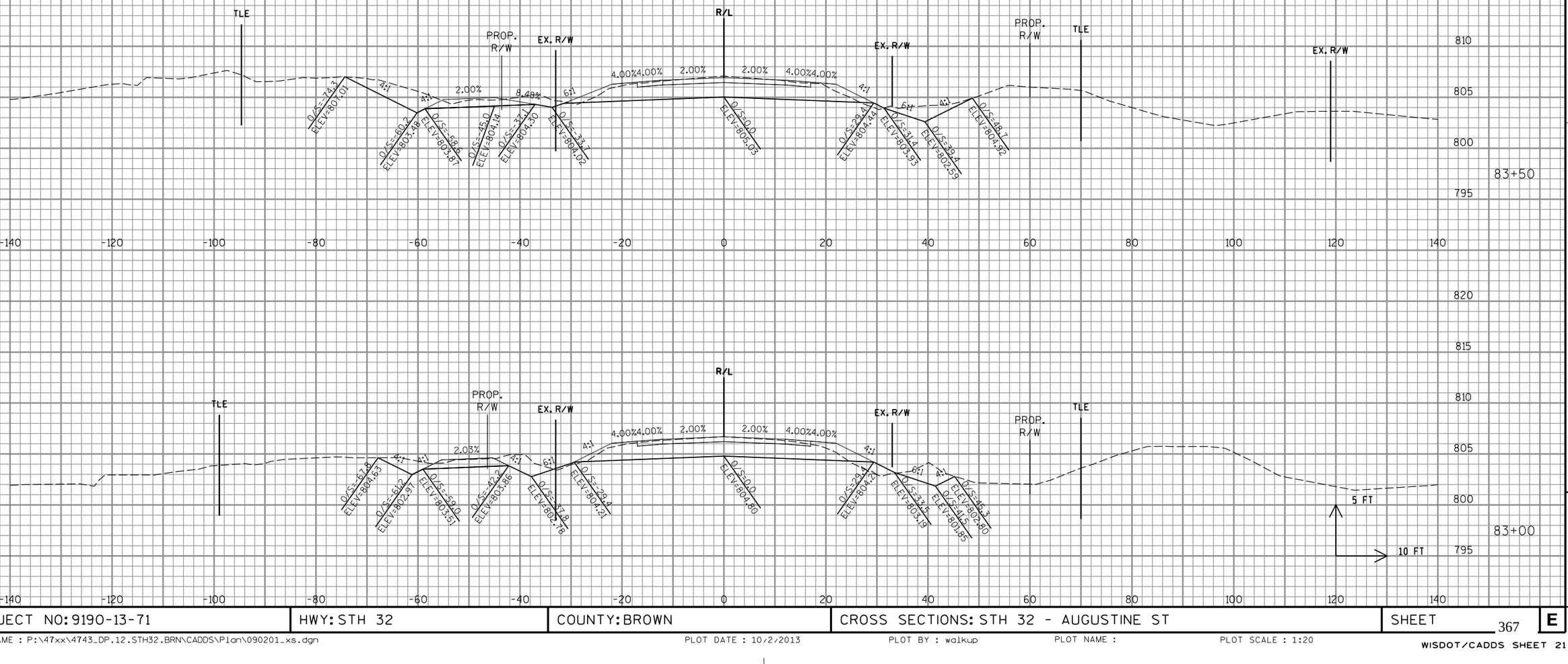
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 366	E

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WISDOT/CADDS SHEET 21



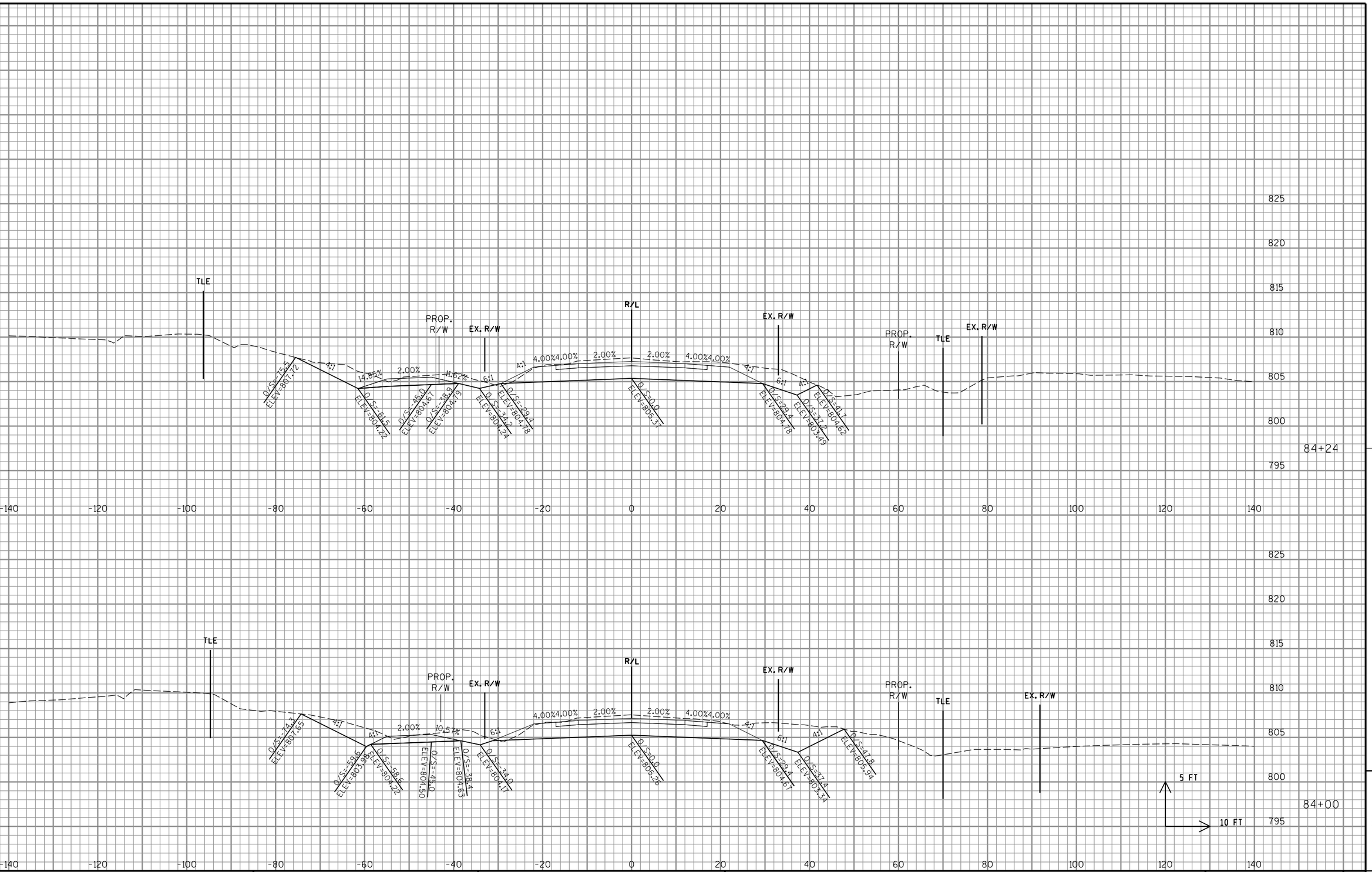
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 367	E

9

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WISDOT/CADDS SHEET 21



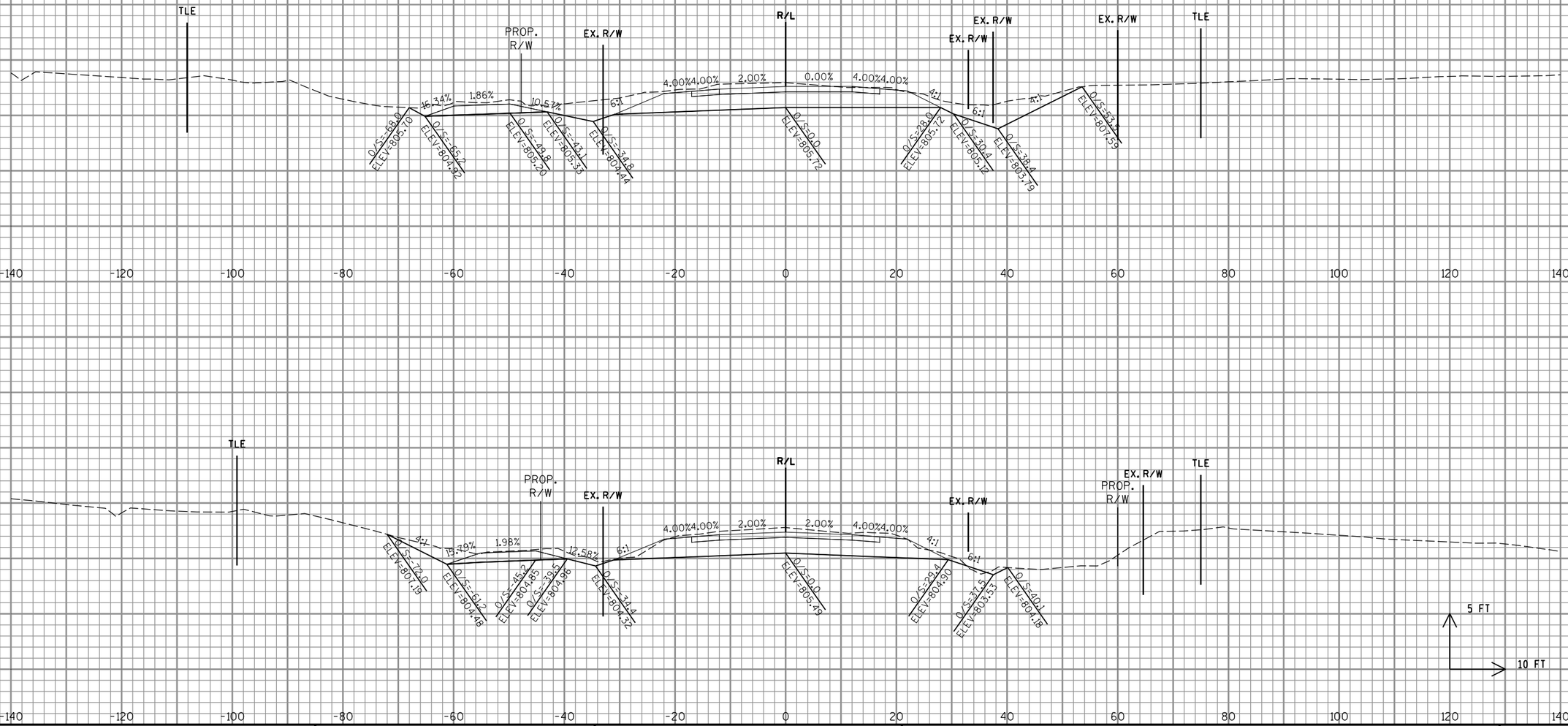
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 368	E

9

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WISDOT/CADDS SHEET 21



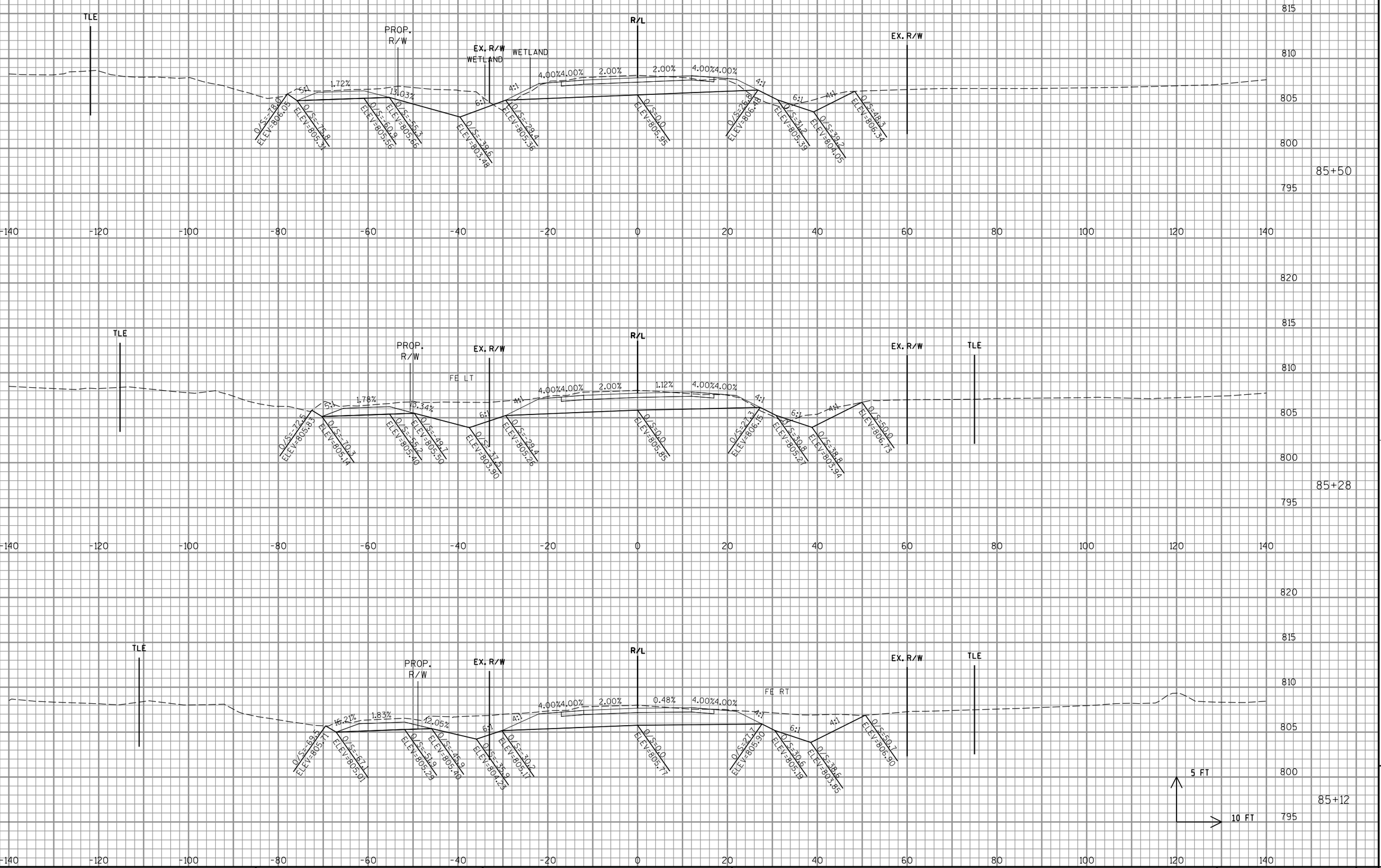
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 369	E

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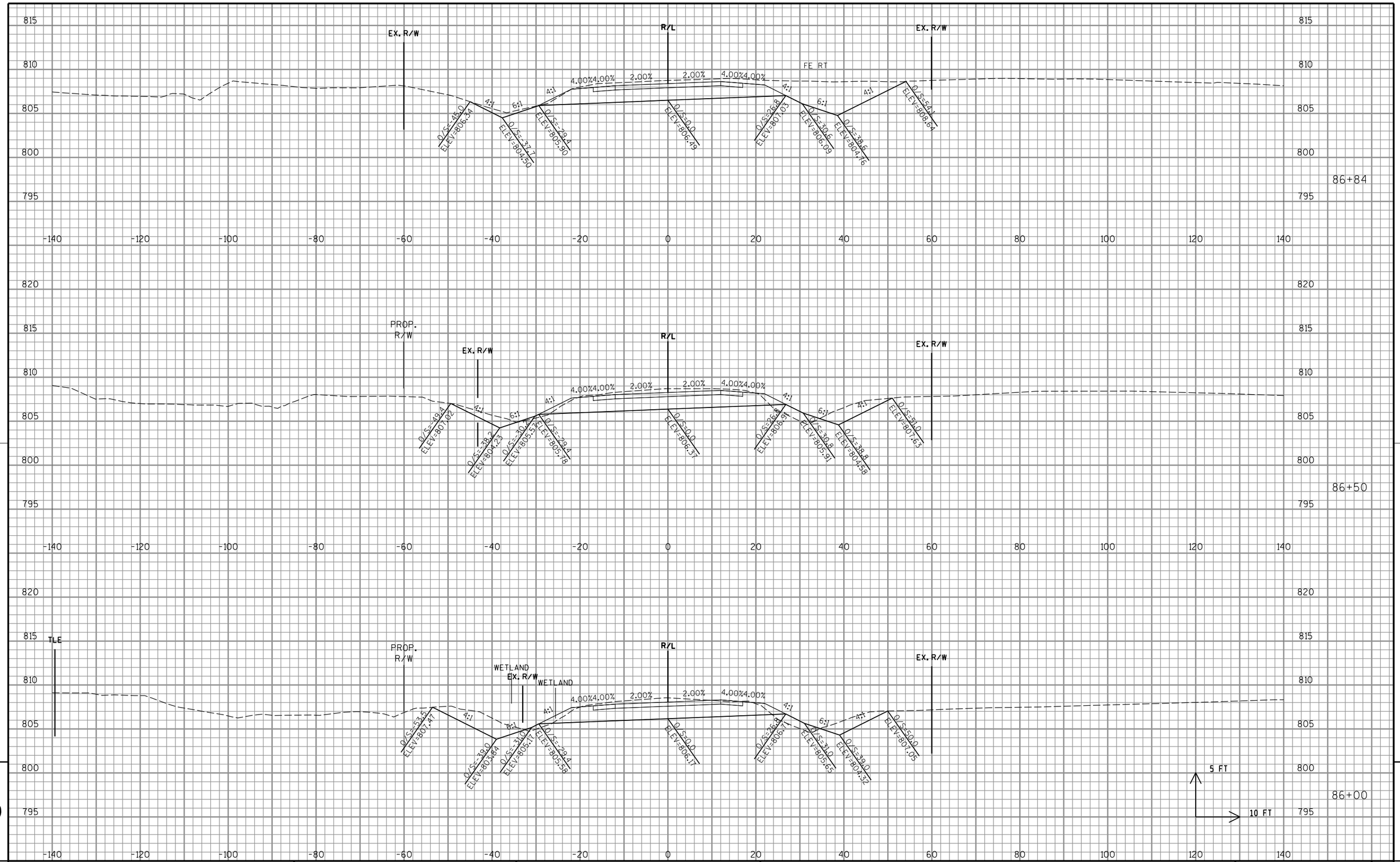
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WISDOT/CADDS SHEET 21



9

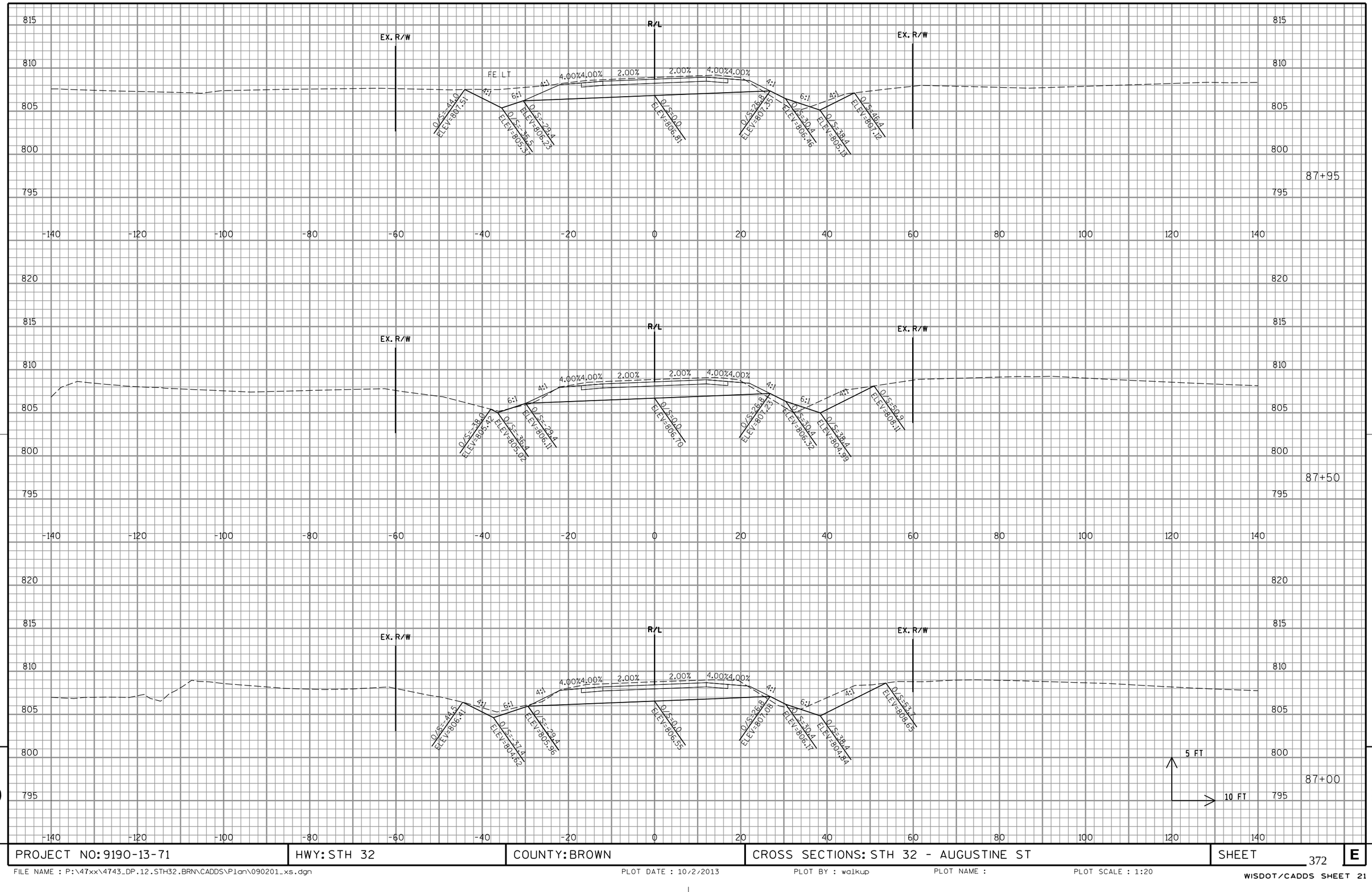
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 370	E



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 371	E

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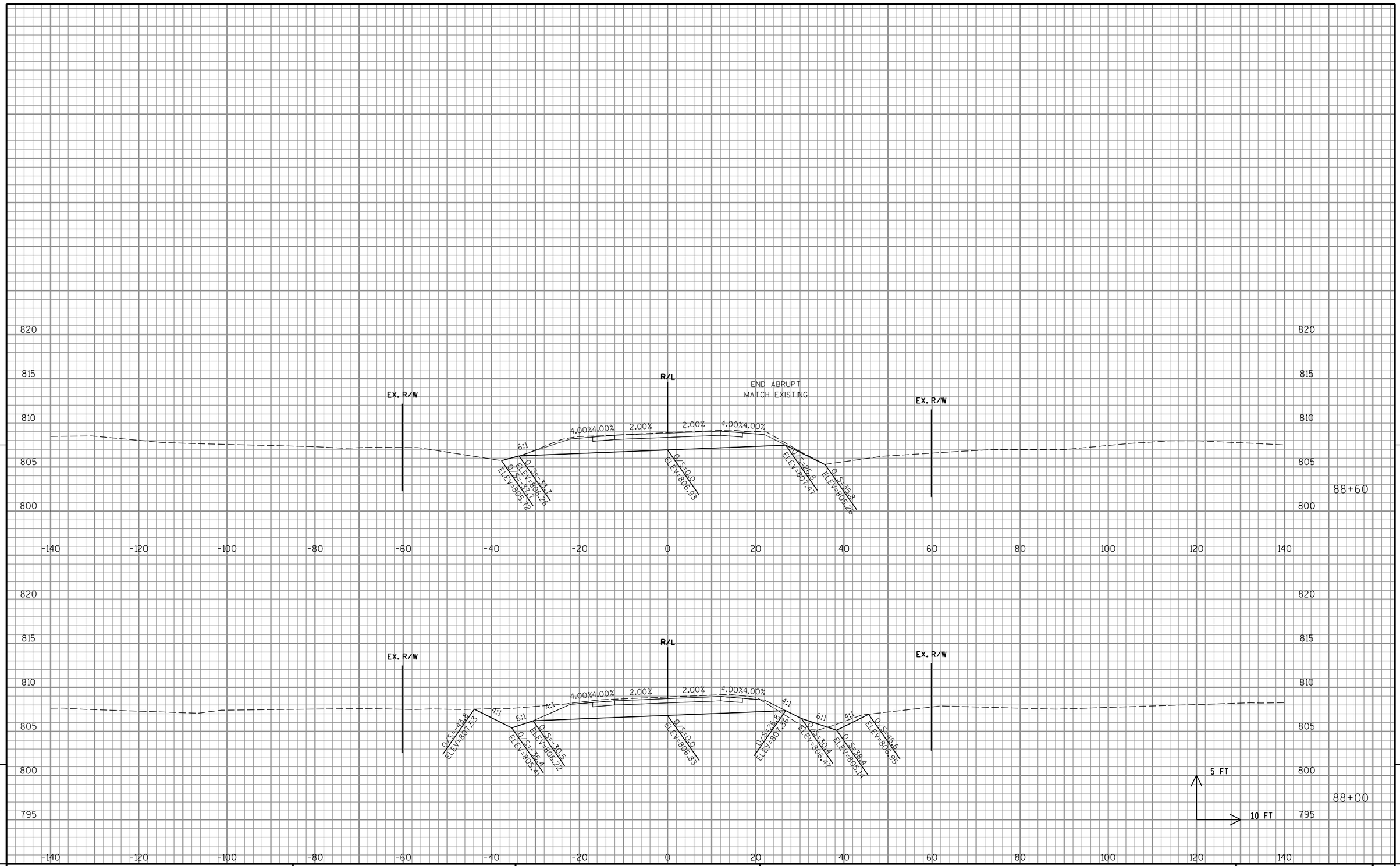
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 372	E

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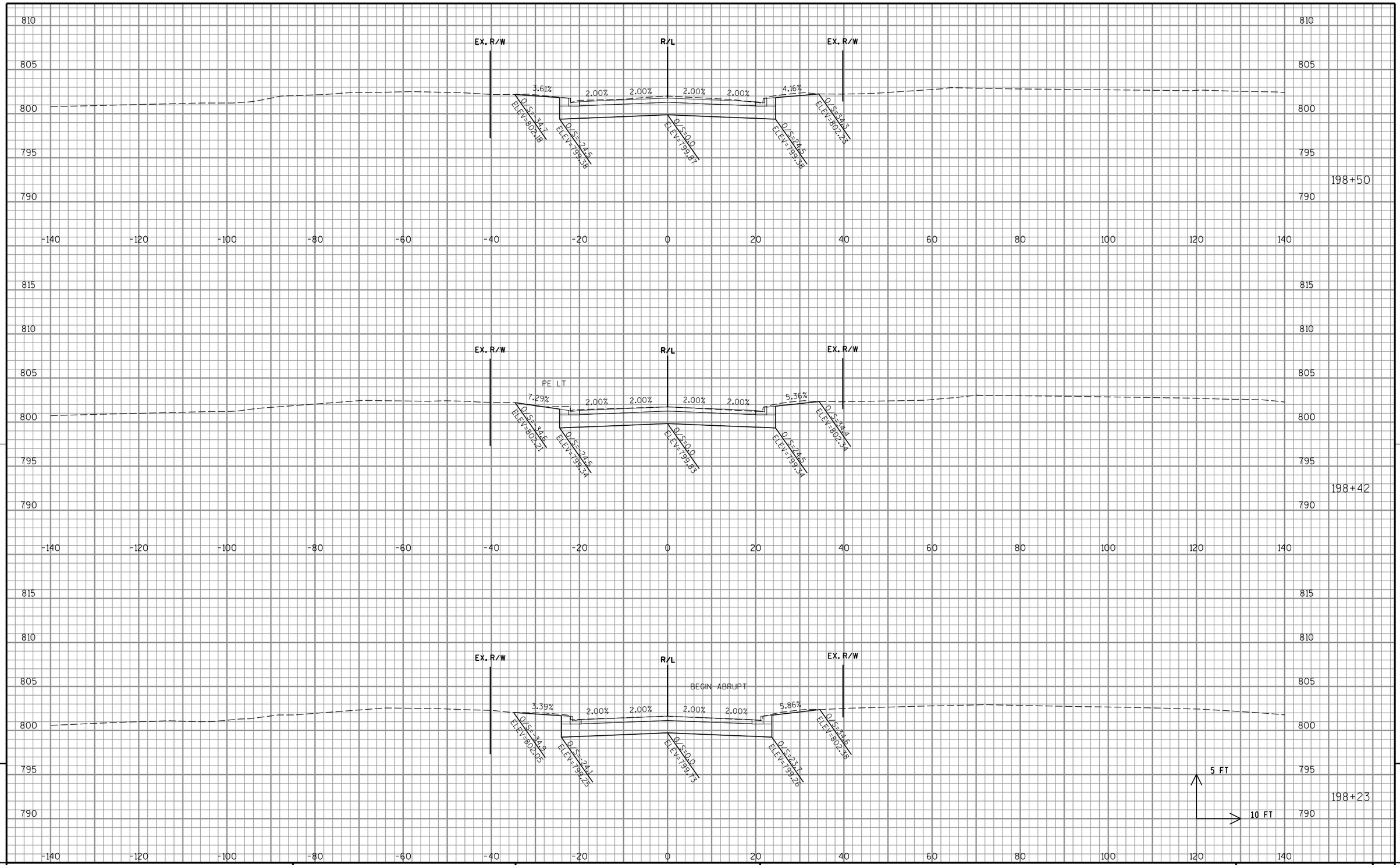
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - AUGUSTINE ST	SHEET 373	E

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WISDOT/CADDS SHEET 21



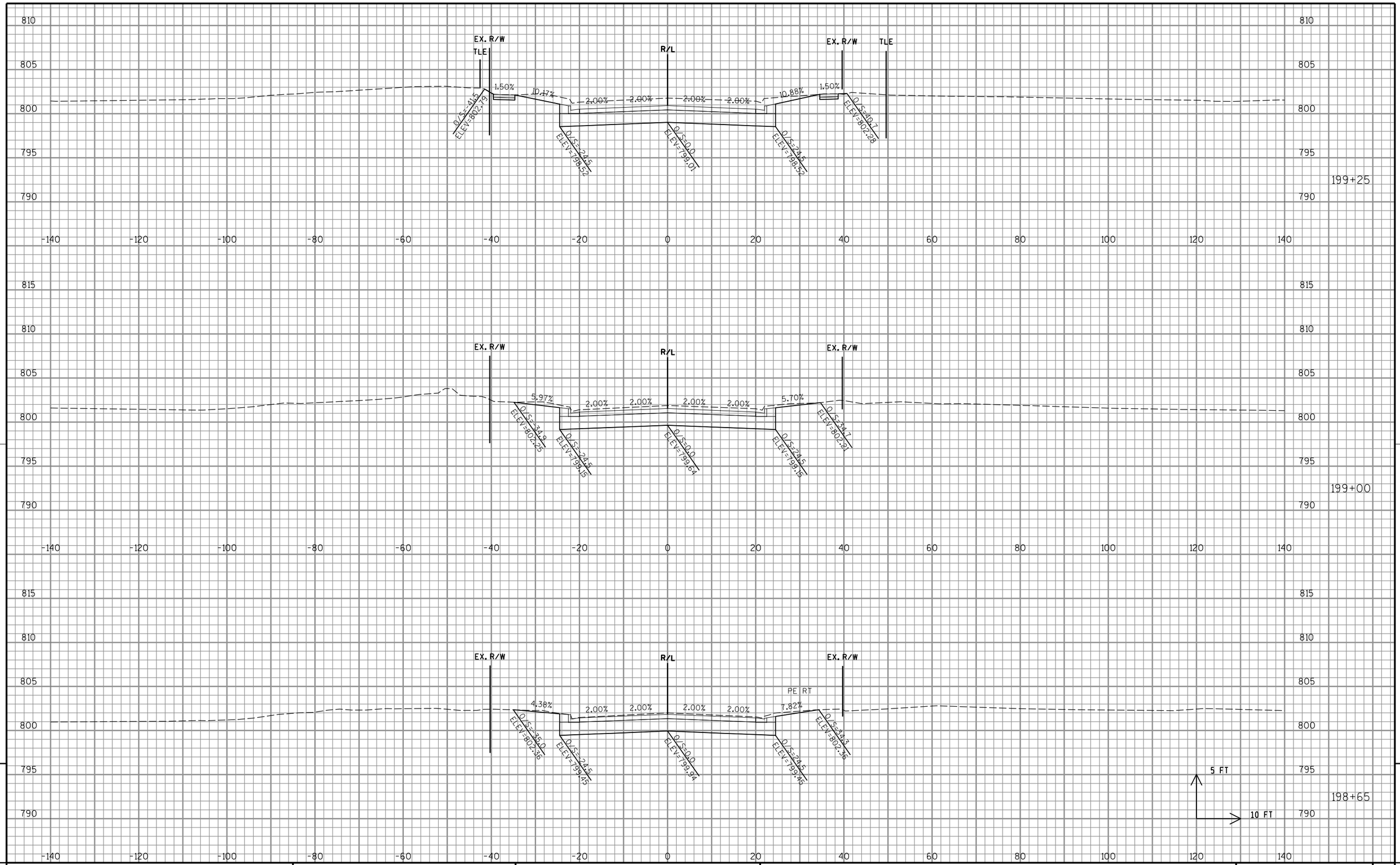
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WILLIAMS ST	SHEET 374	E

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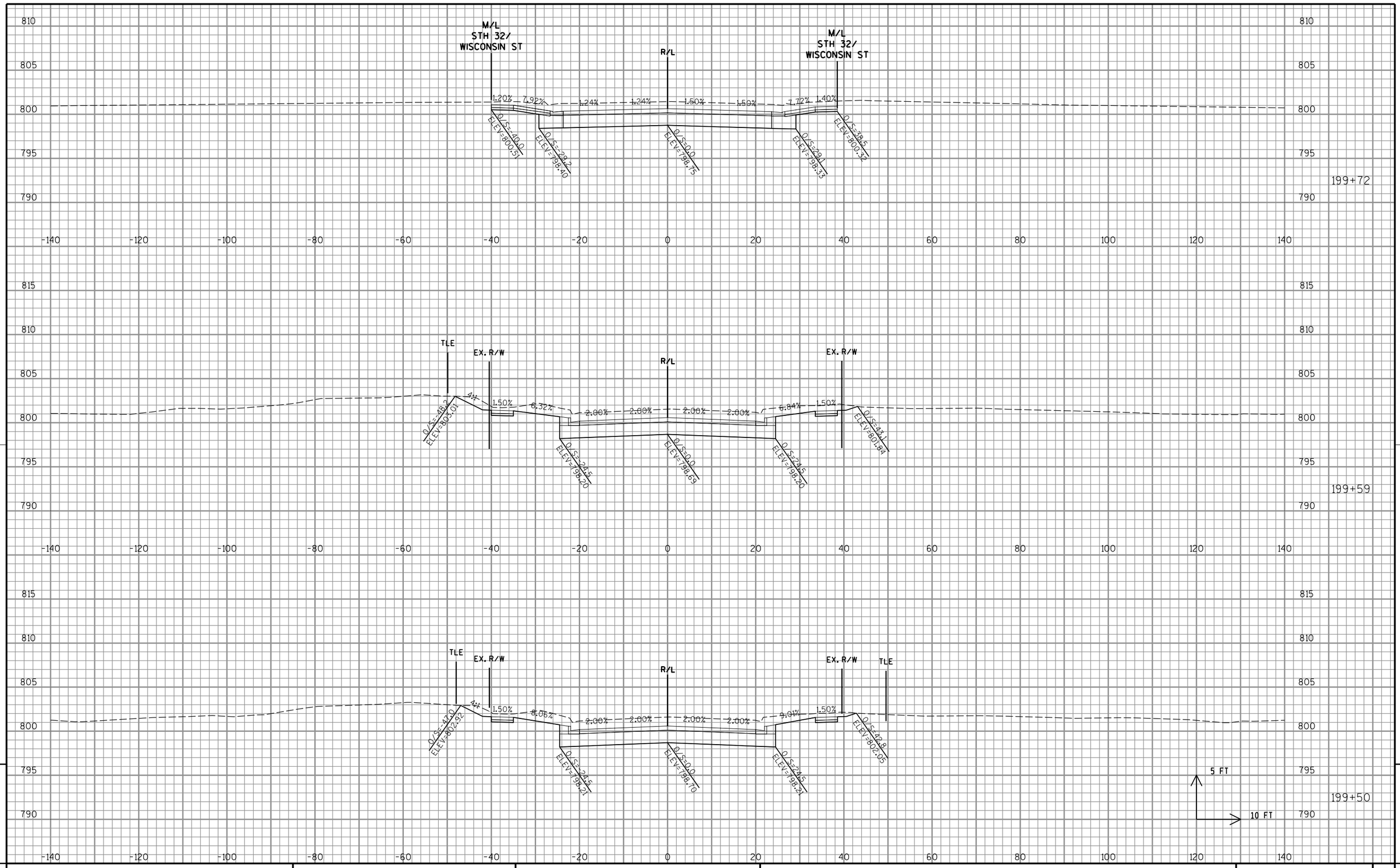
WISDOT/CADDS SHEET 21



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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WILLIAMS ST	SHEET 375	E



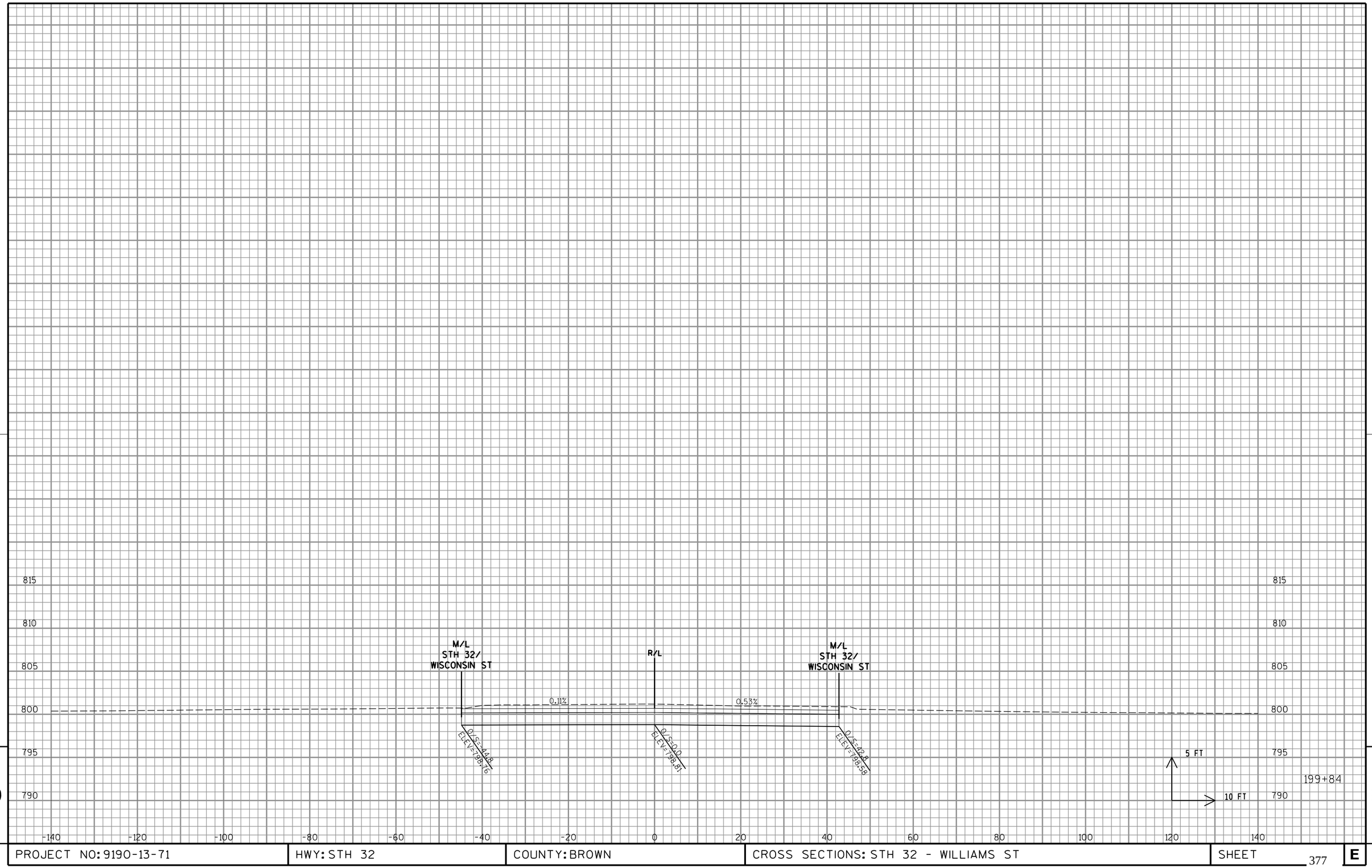
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WILLIAMS ST	SHEET 376	E

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WISDOT/CADDS SHEET 21



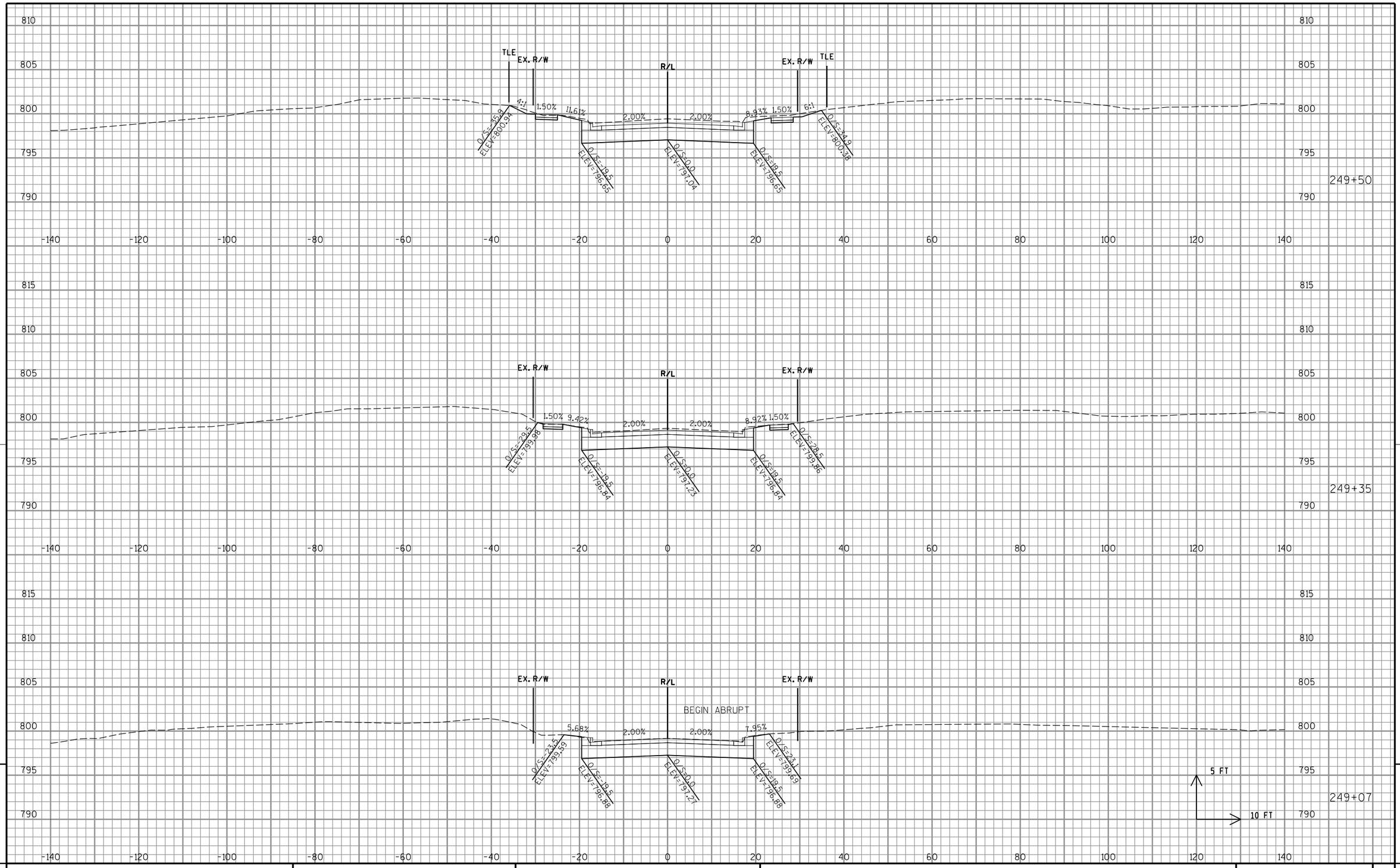
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WILLIAMS ST	SHEET 377	E

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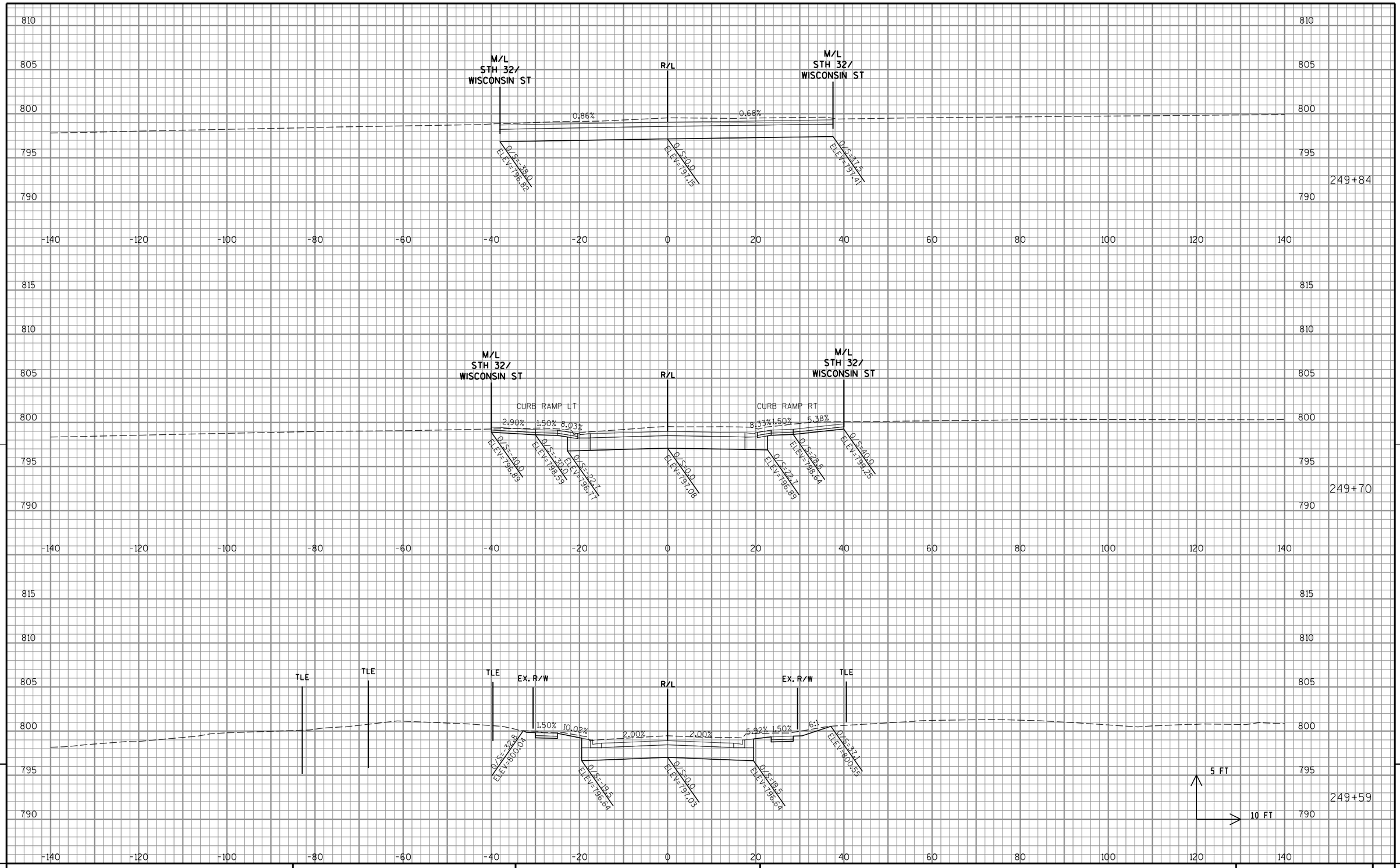
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - SUMMIT ST	SHEET 378	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



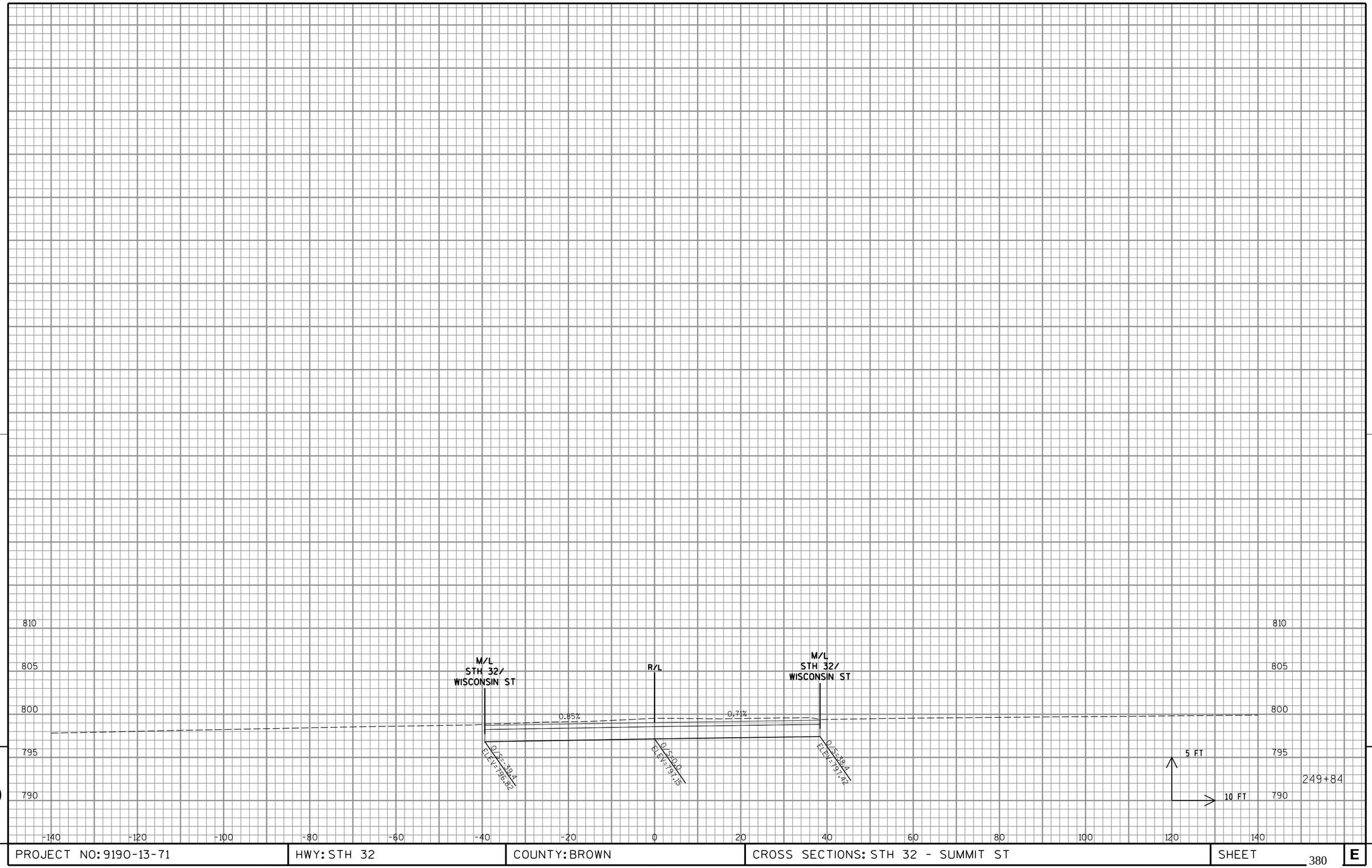
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - SUMMIT ST	SHEET 379	E

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WISDOT/CADDS SHEET 21



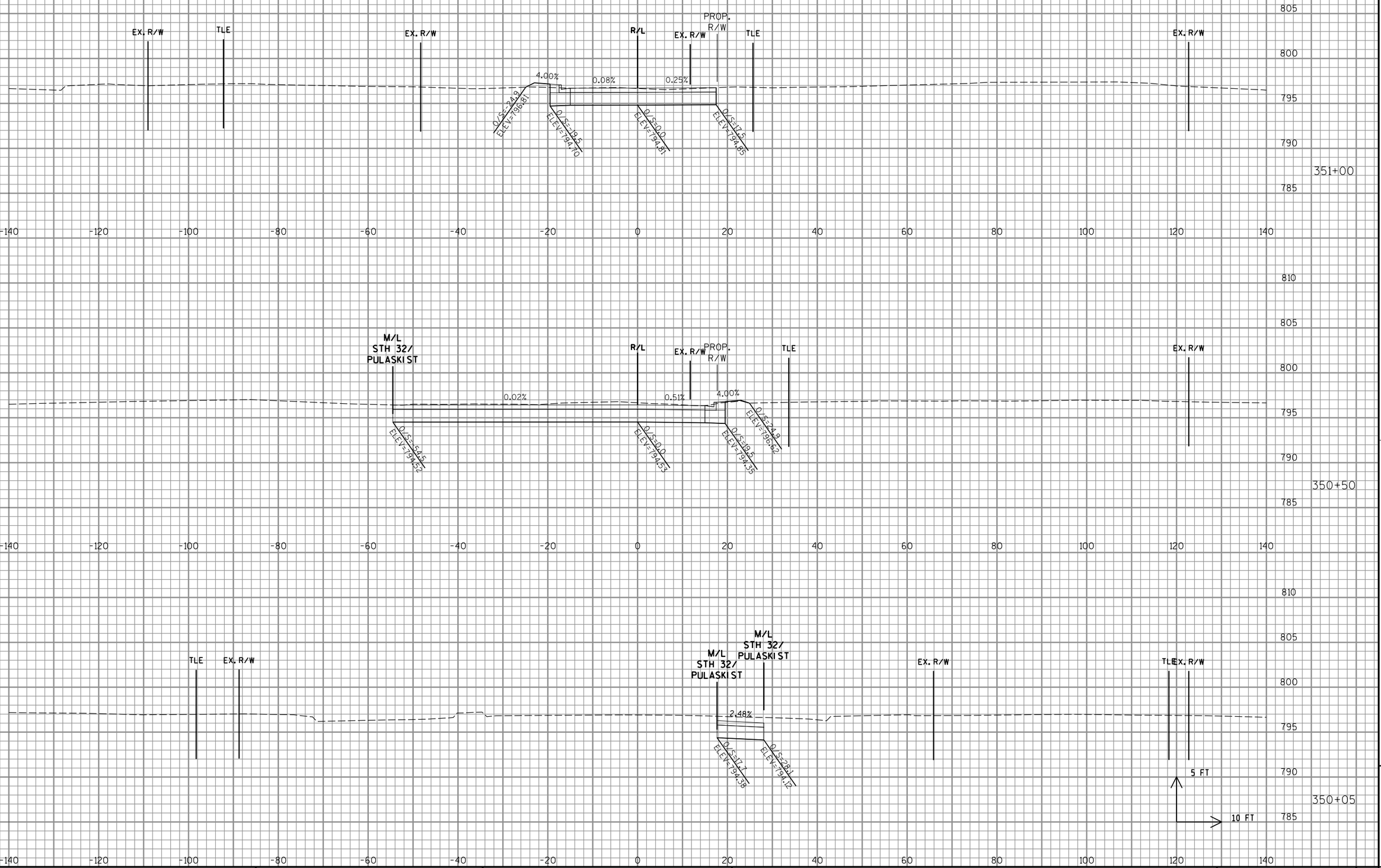
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - SUMMIT ST	SHEET 380	E

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WISDOT/CADDS SHEET 21



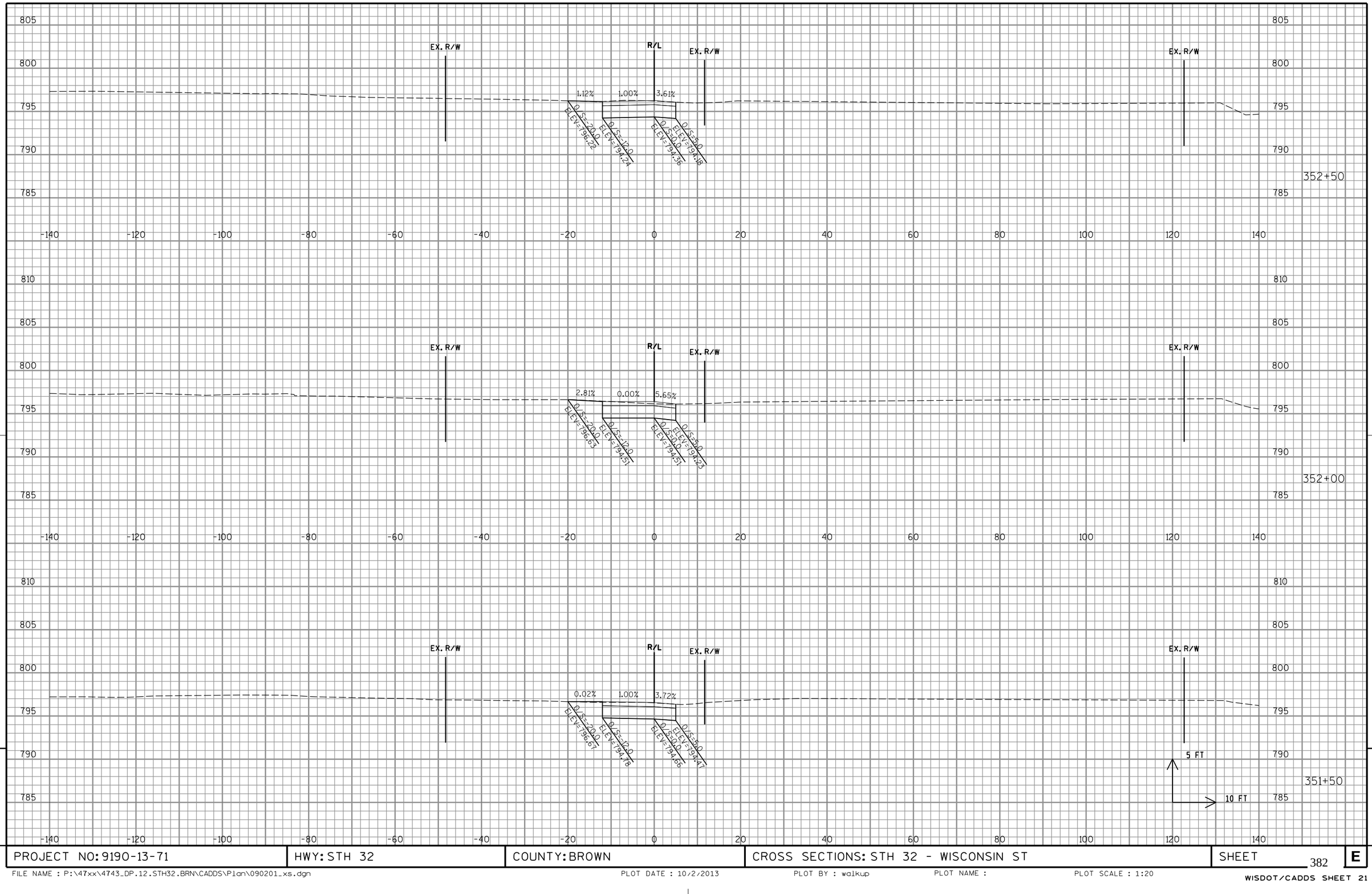
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 381	E

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WISDOT/CADDS SHEET 21



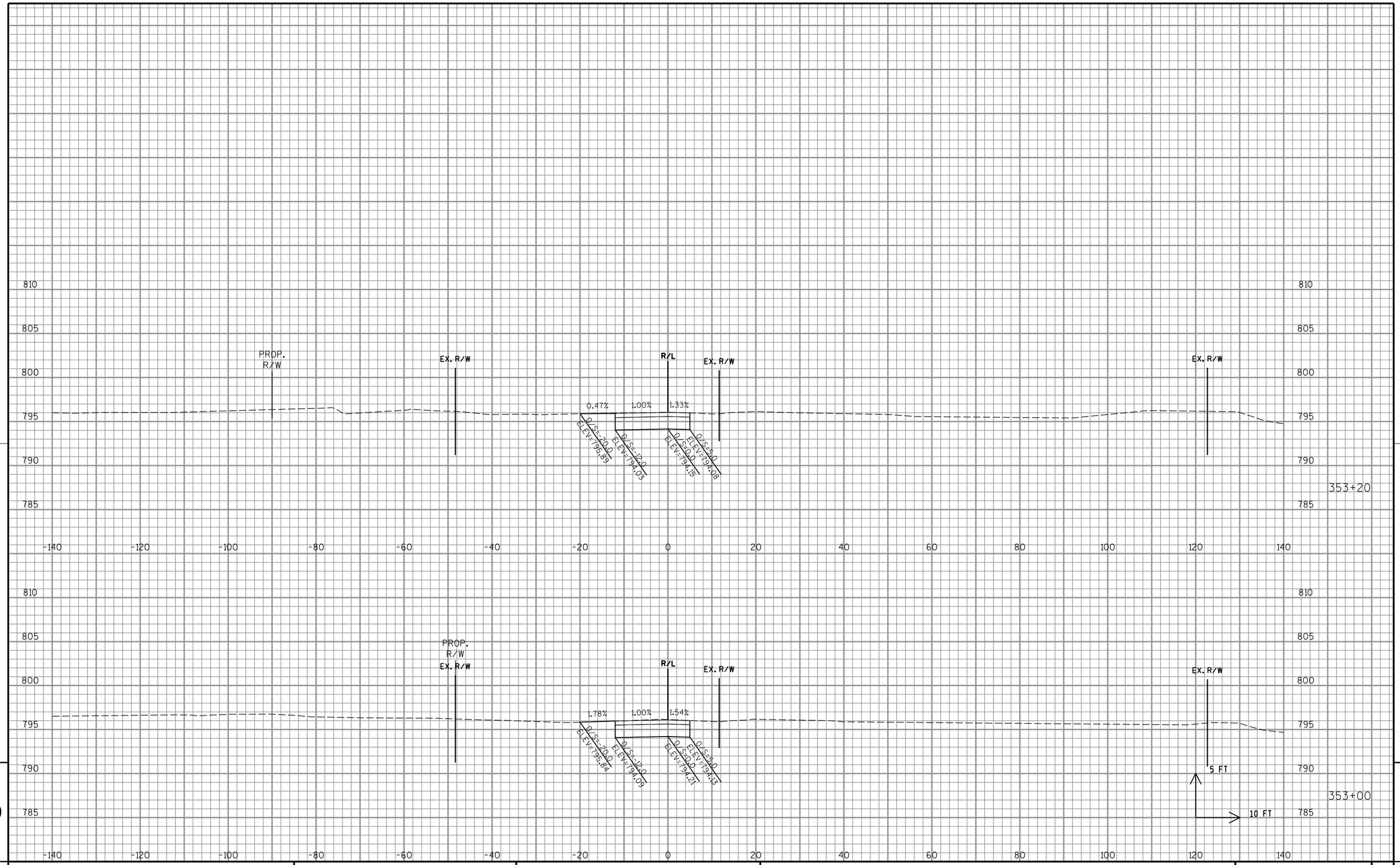
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 382	E

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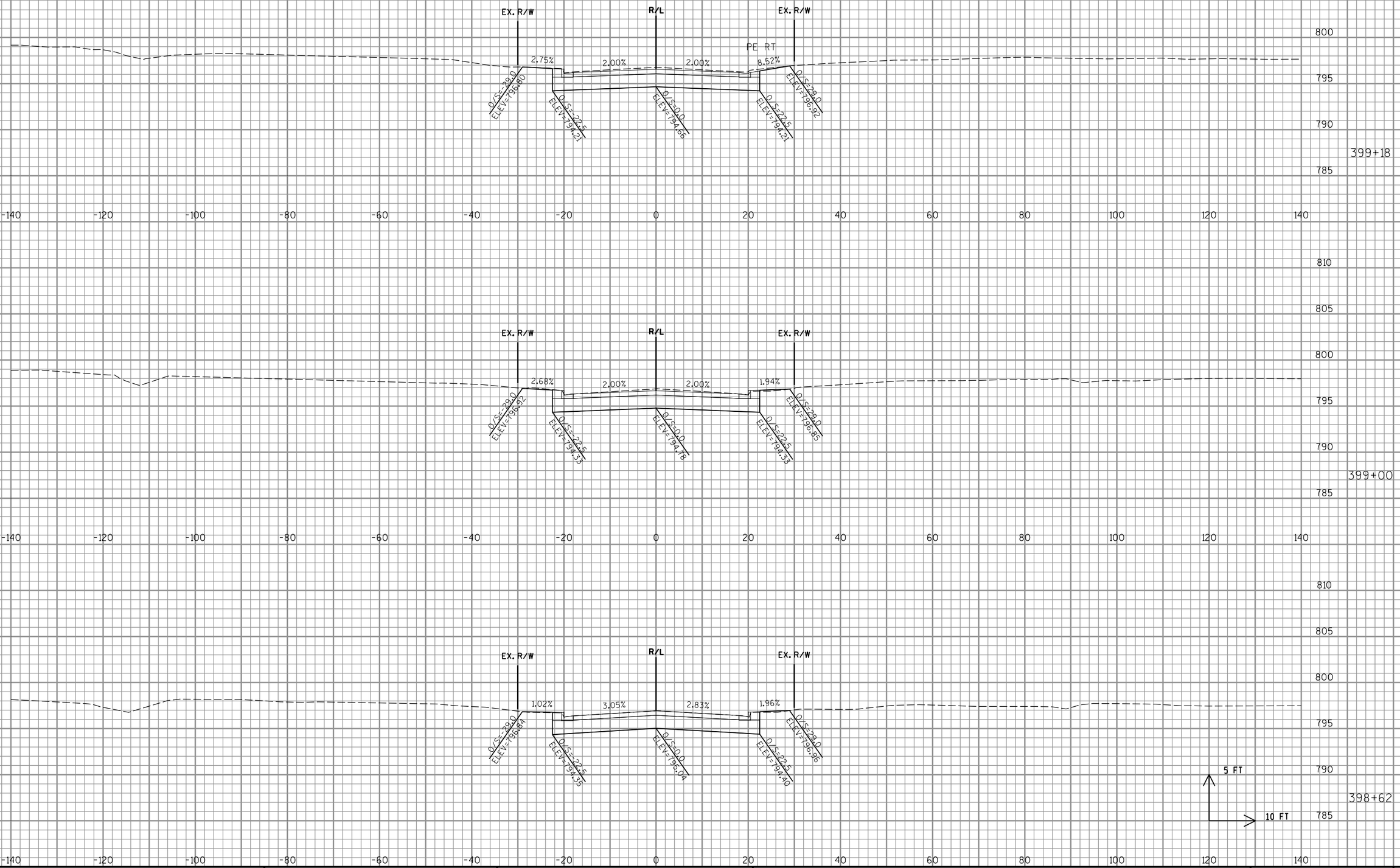
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - WISCONSIN ST	SHEET 383	E

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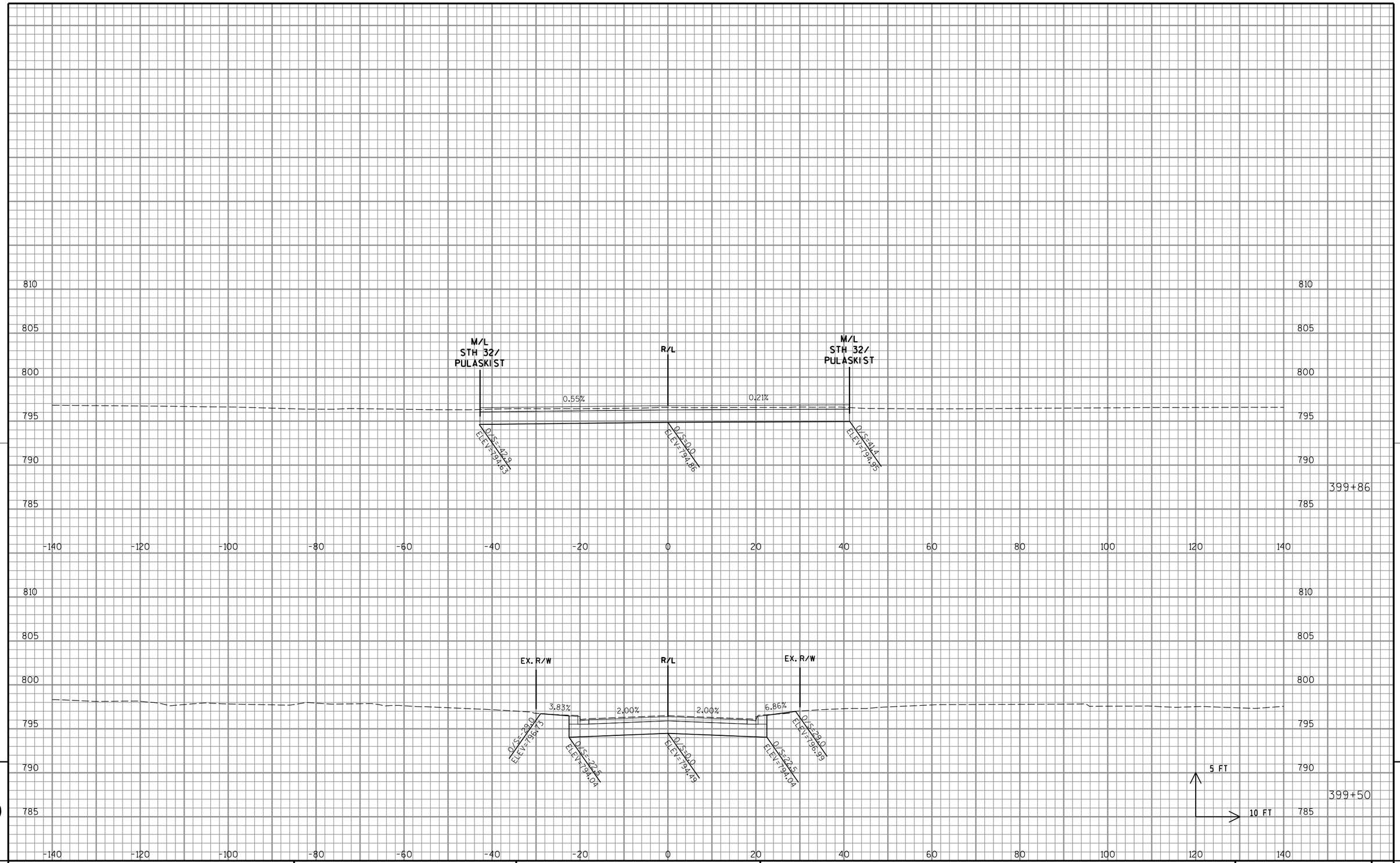
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PINE ST	SHEET 384	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

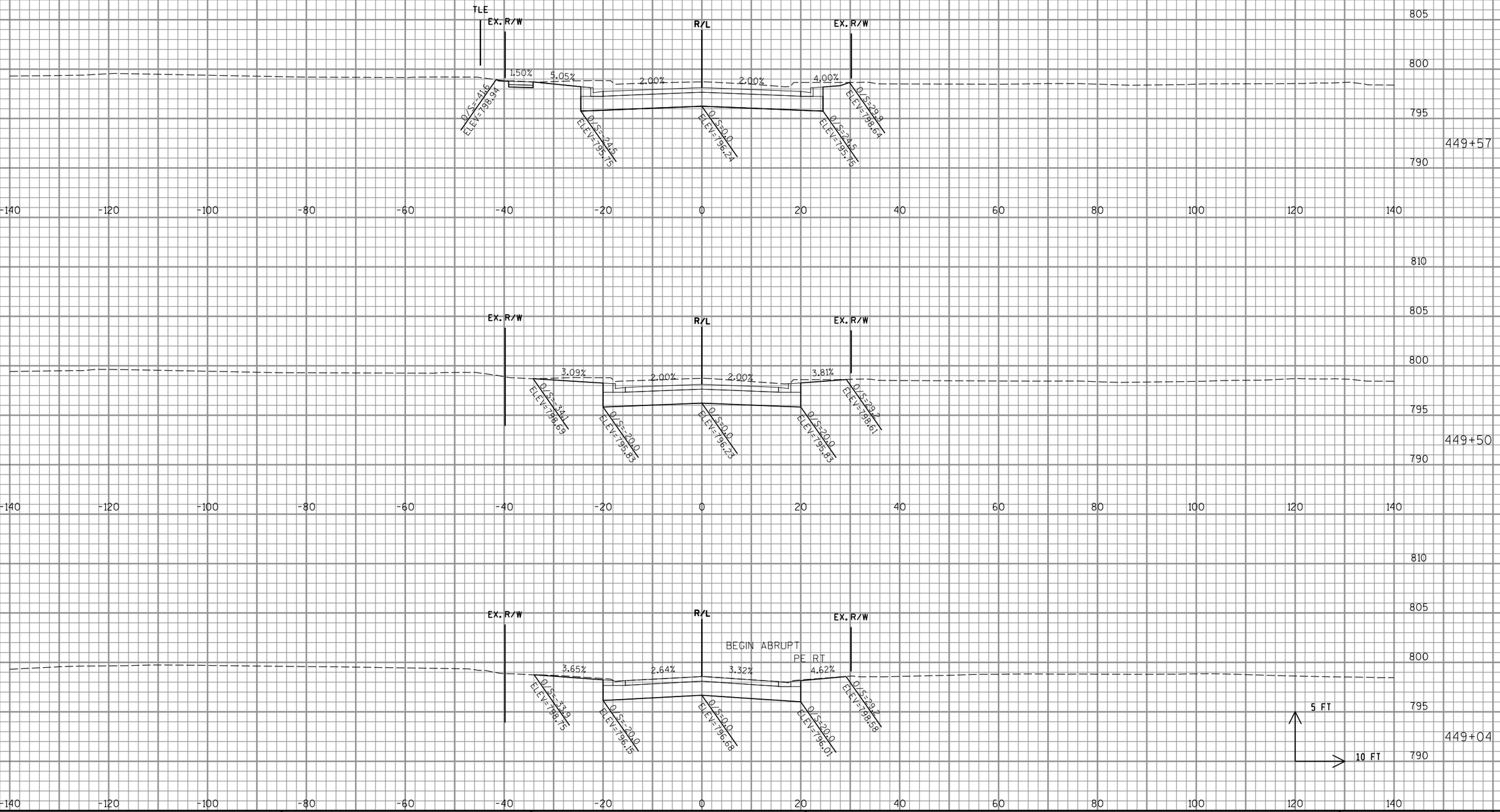
WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - PINE ST	SHEET 385	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



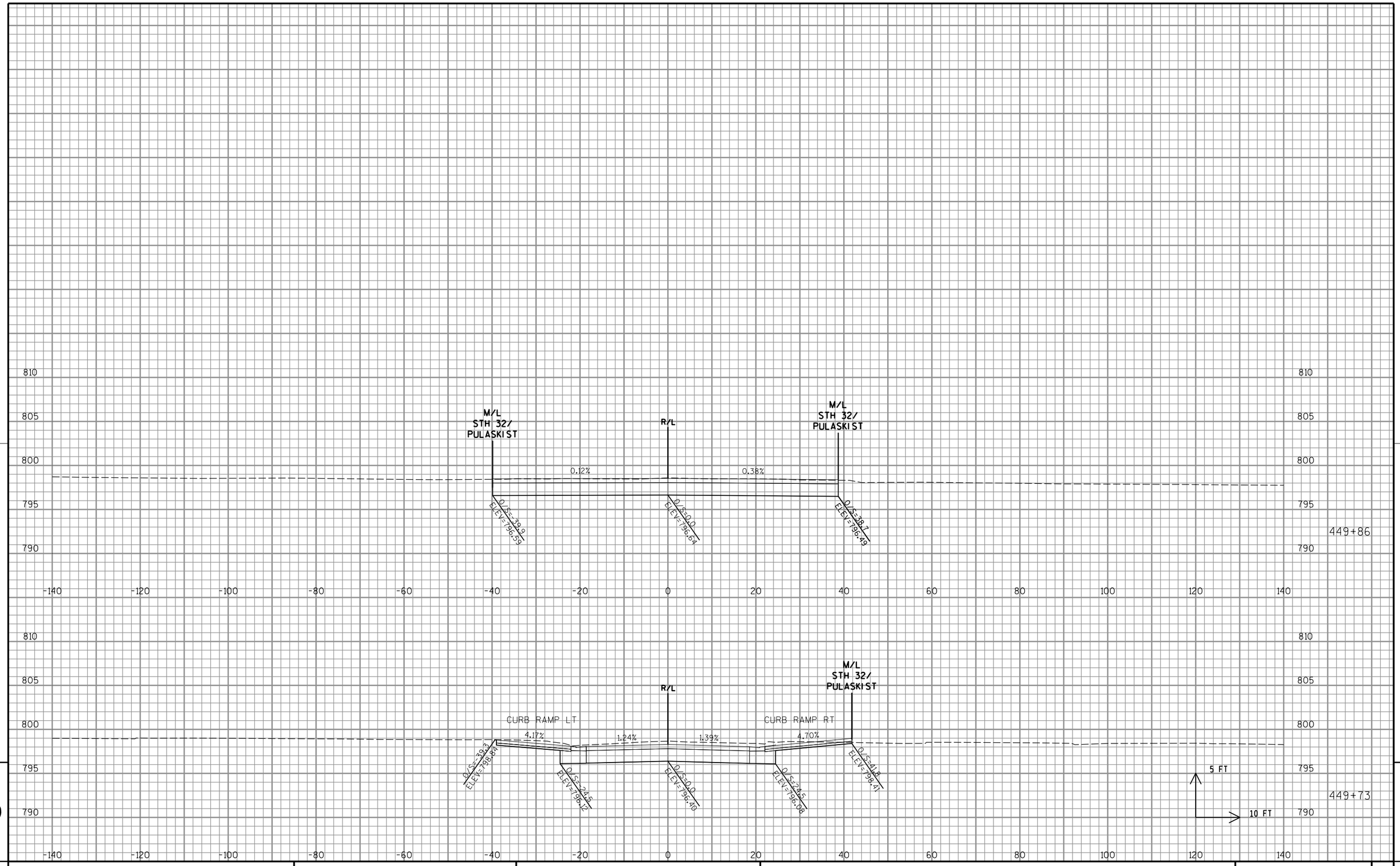
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - FLORA ST	SHEET 386	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



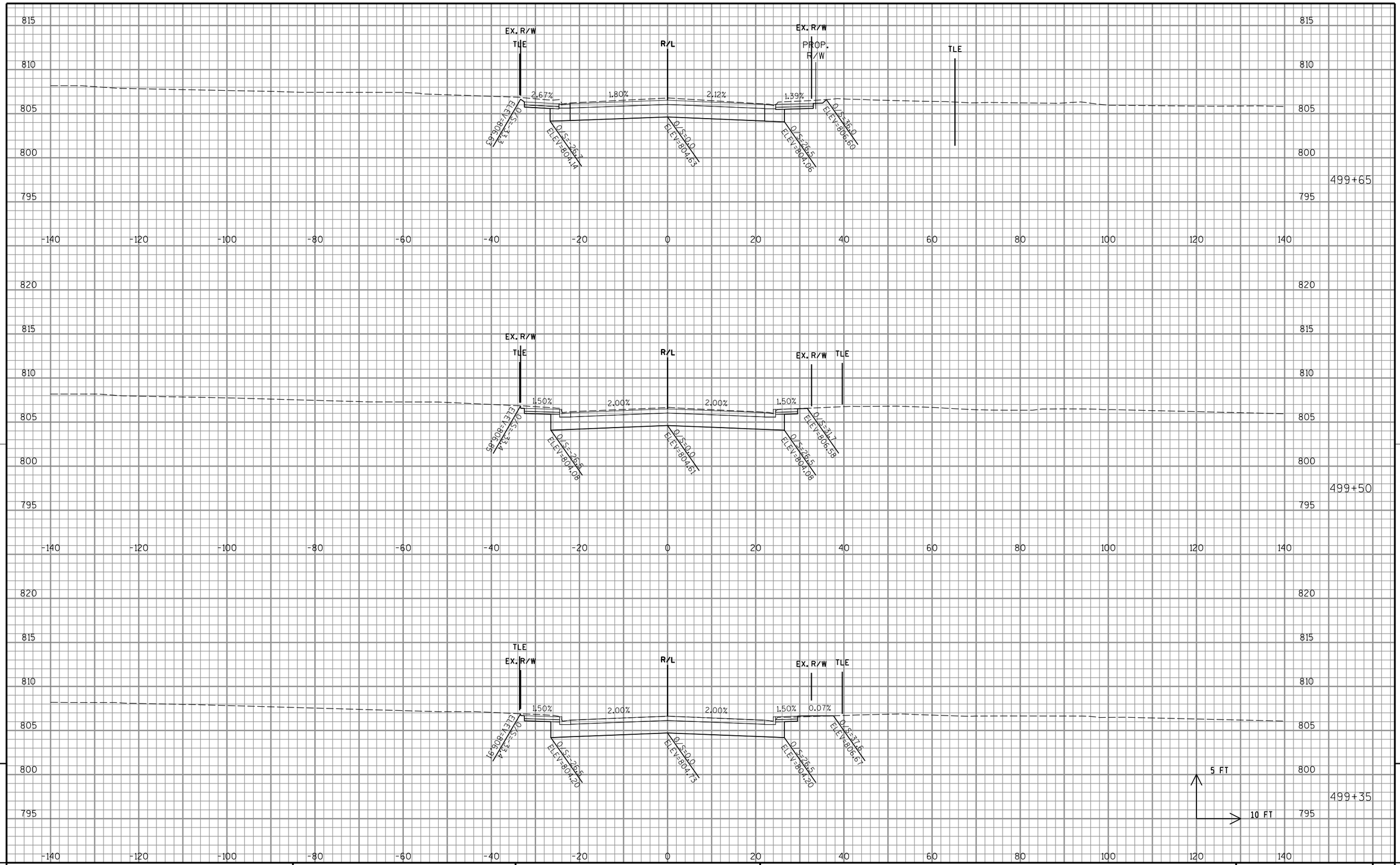
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - FLORA ST	SHEET 387	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



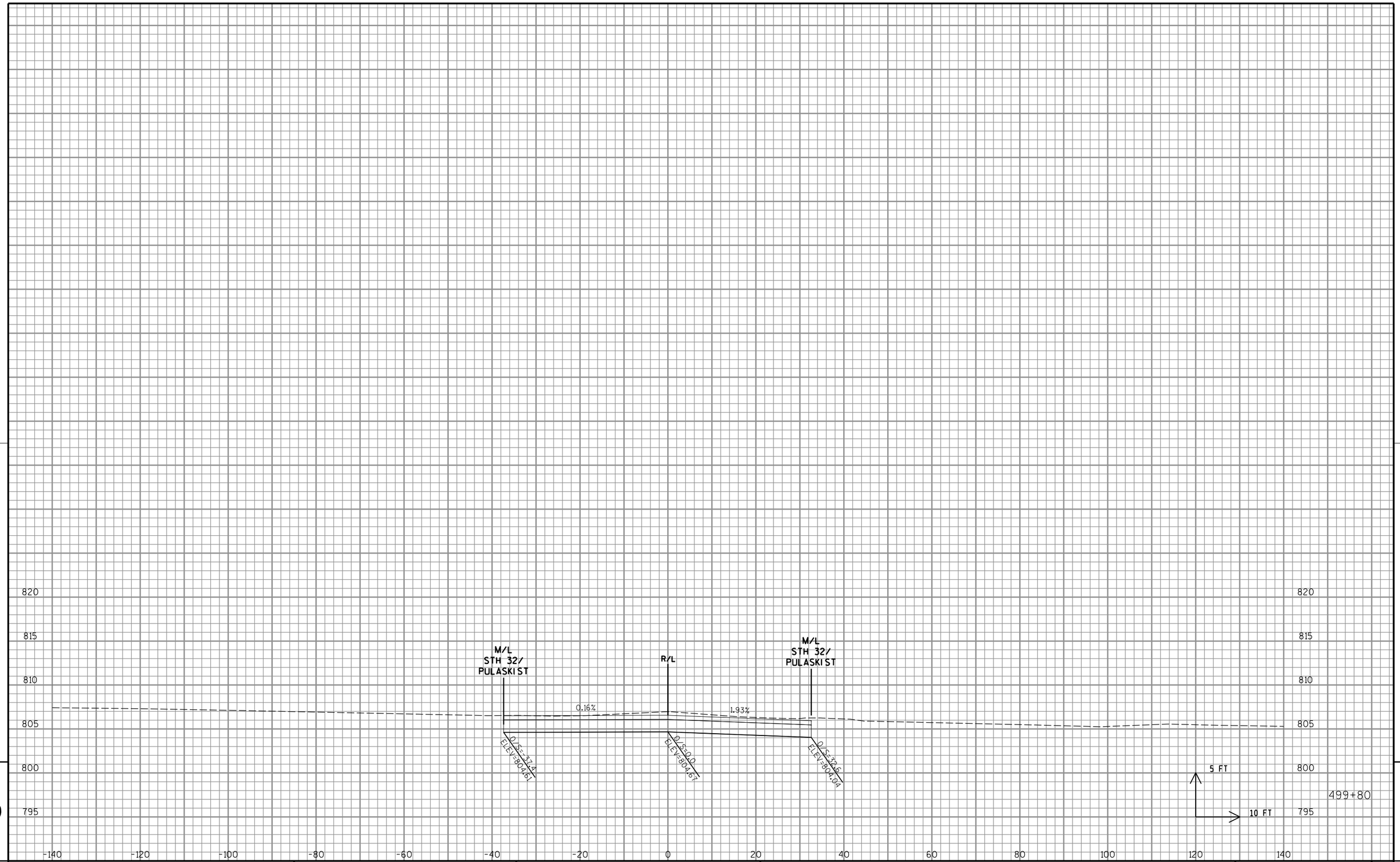
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - ST. AUGUSTINE ST	SHEET 388	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



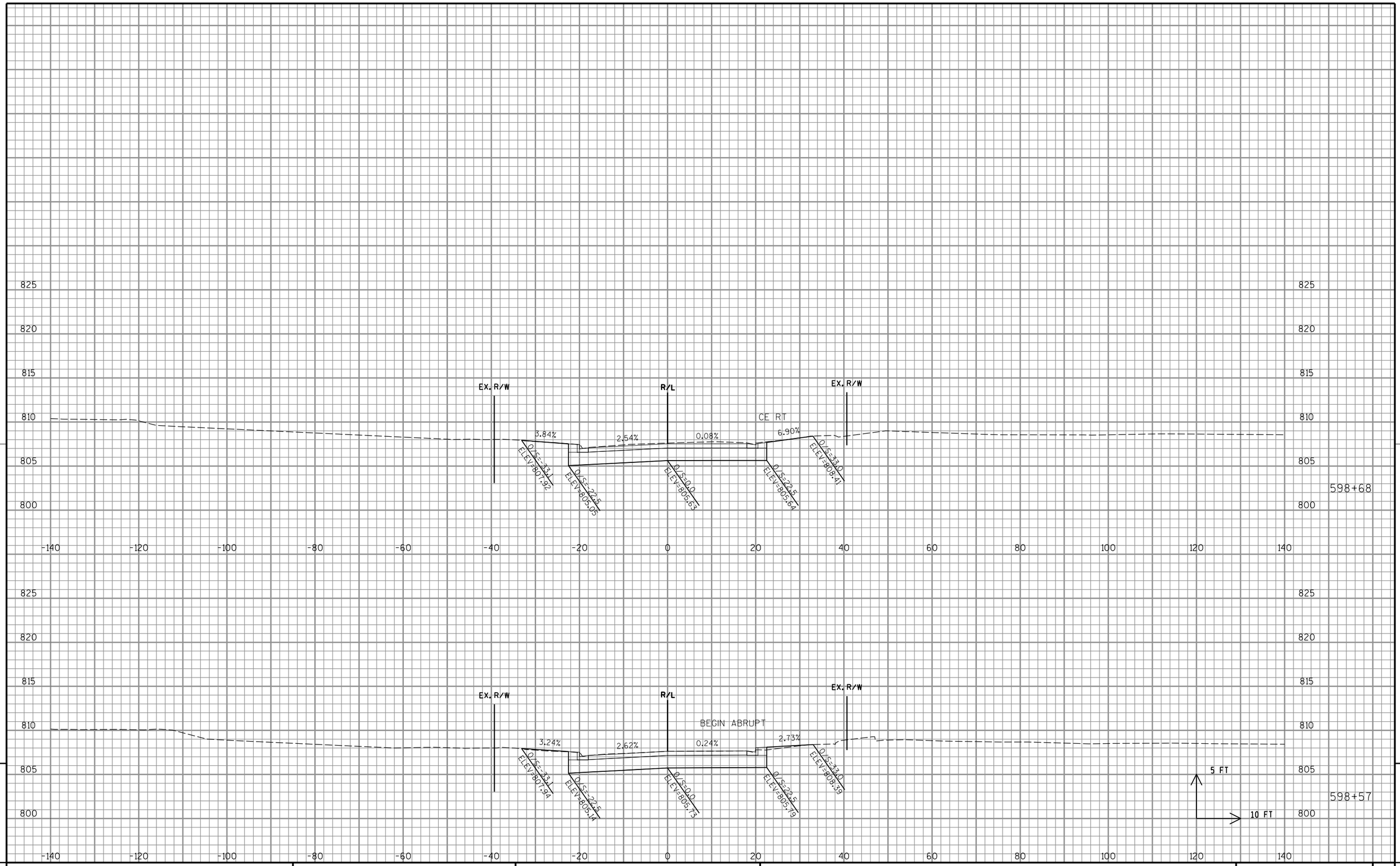
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - ST. AUGUSTINE ST	SHEET 389	E

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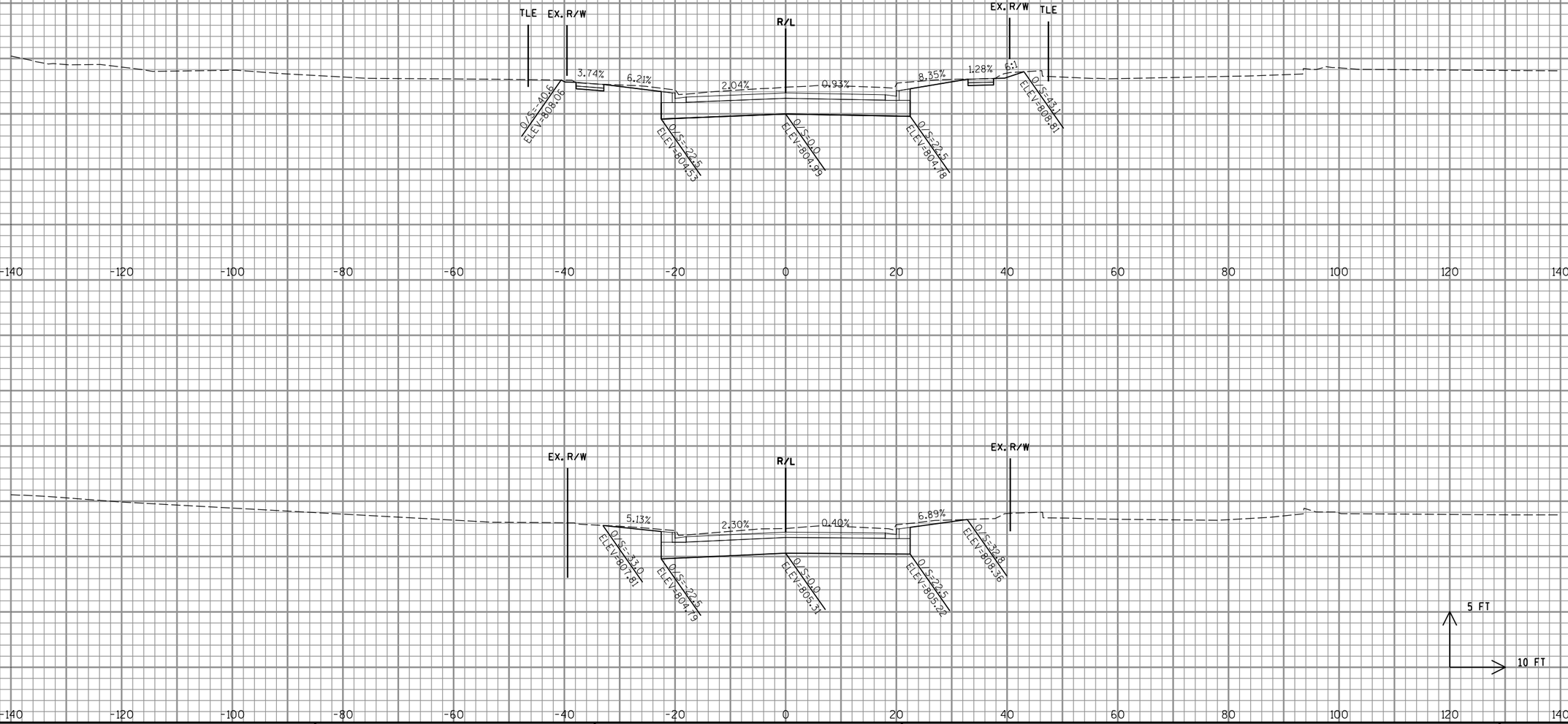
WISDOT/CADDS SHEET 21



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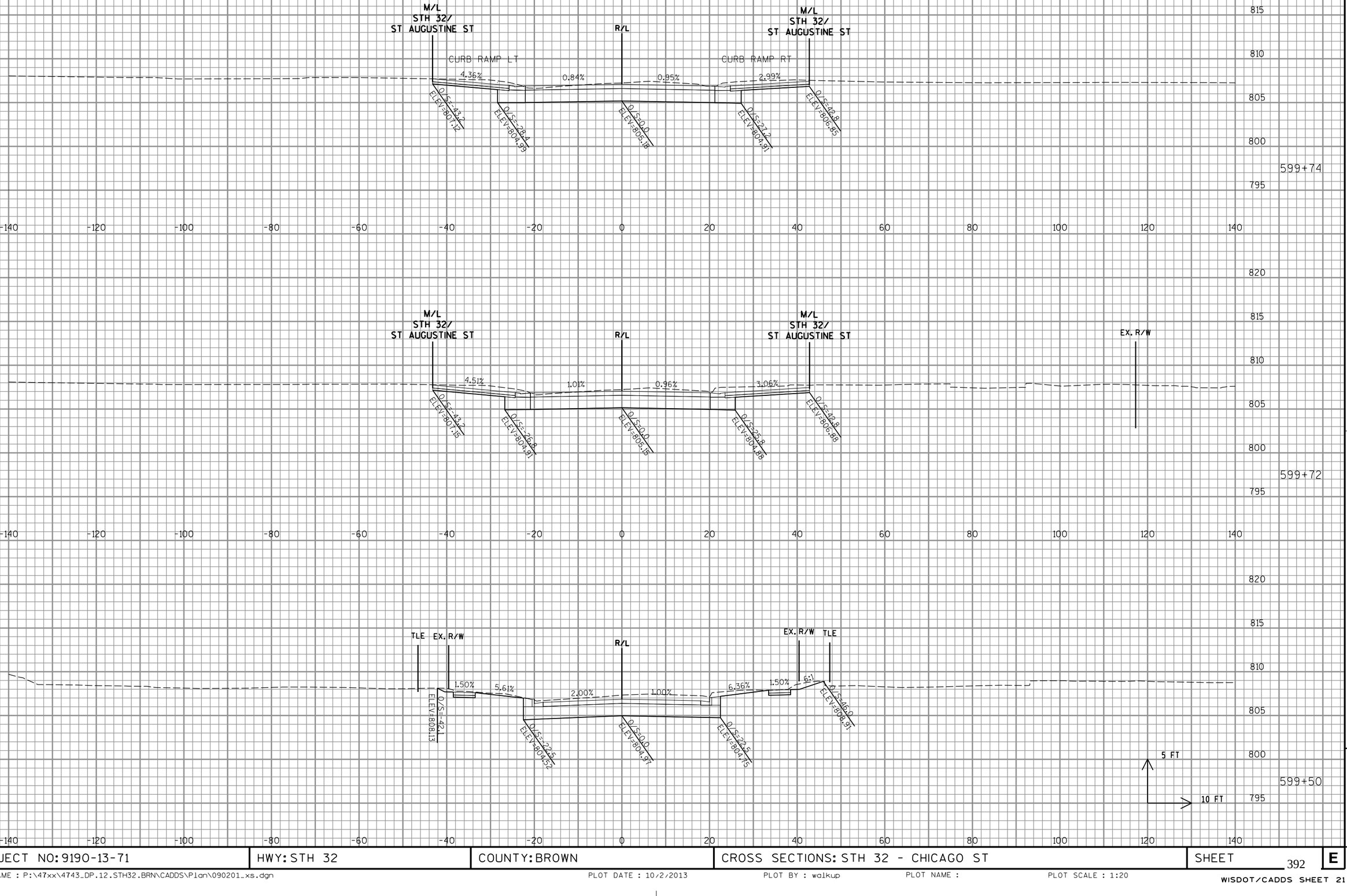
PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - CHICAGO ST	SHEET 390	E



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - CHICAGO ST	SHEET 391	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



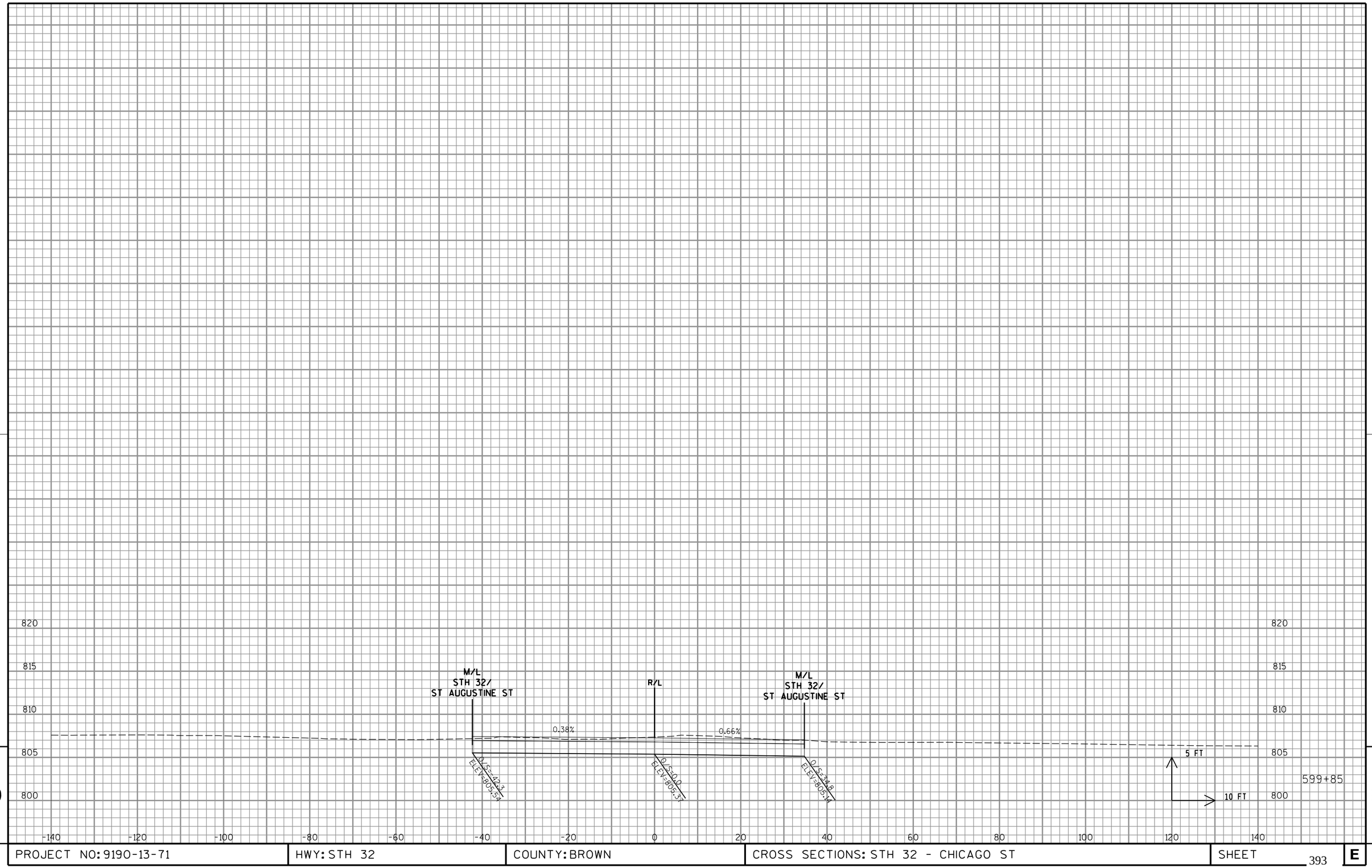
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - CHICAGO ST	SHEET 392	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



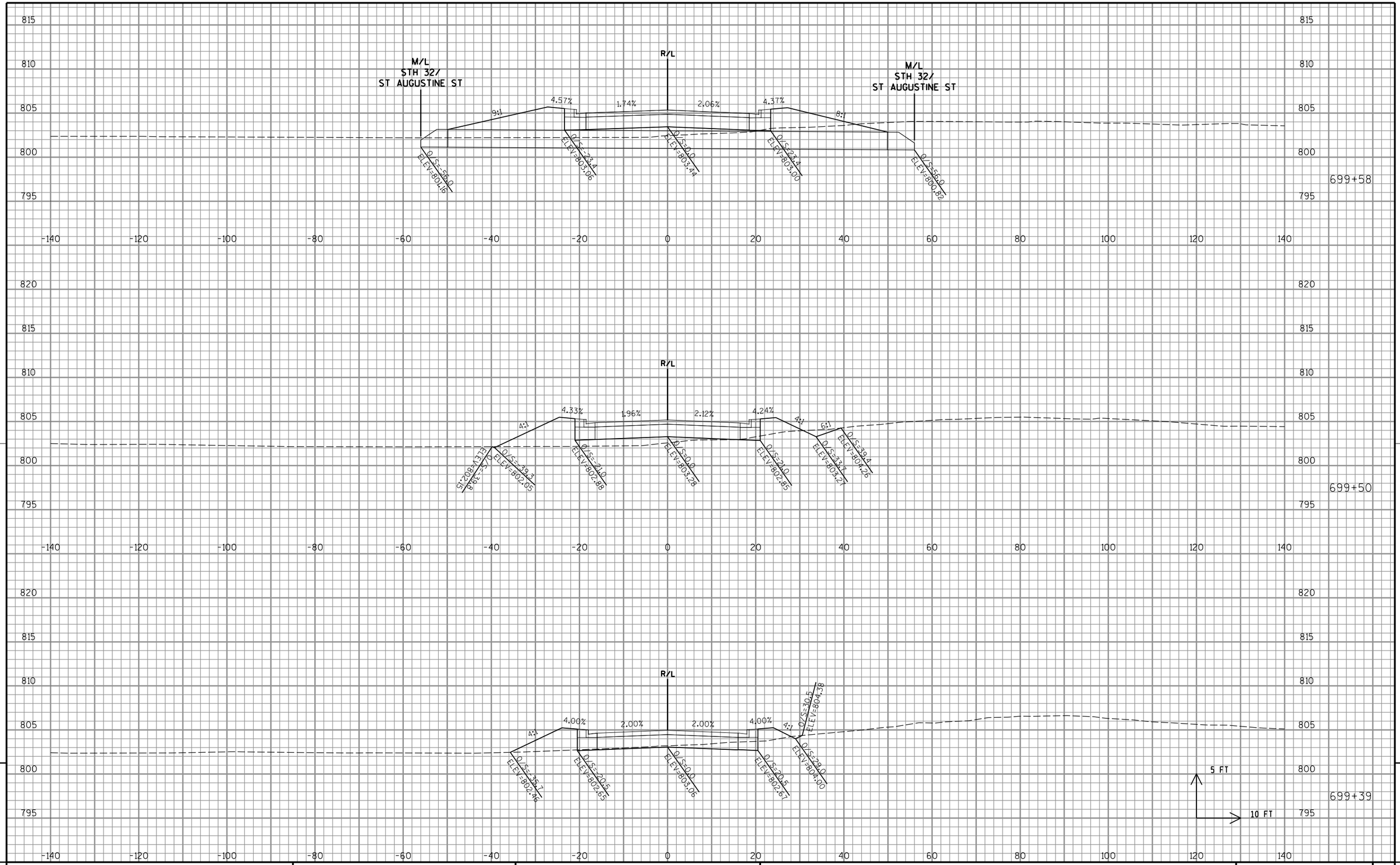
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - CHICAGO ST	SHEET 393	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



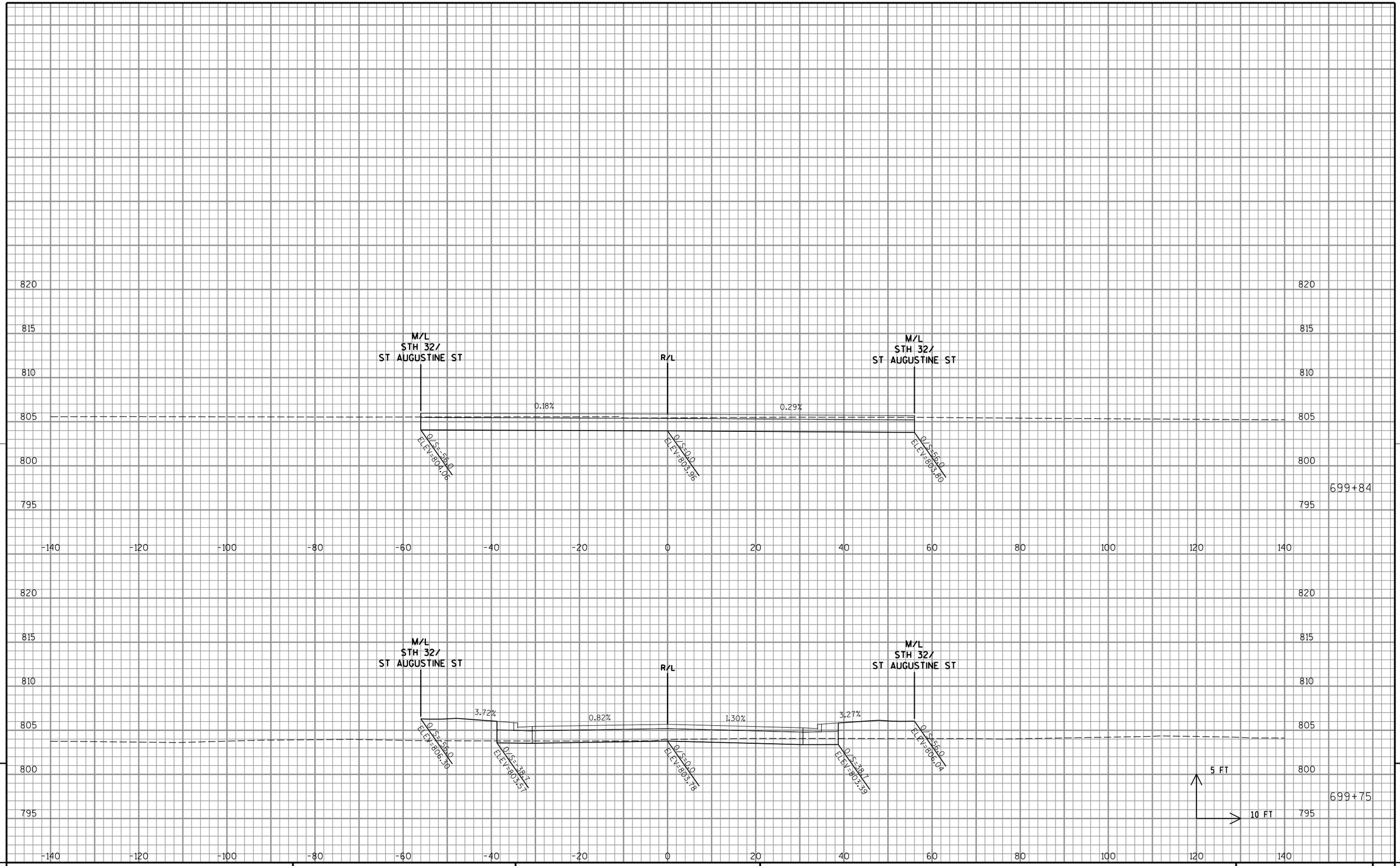
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - FUTURE RD TO INDUSTRIAL PARK	SHEET 394	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



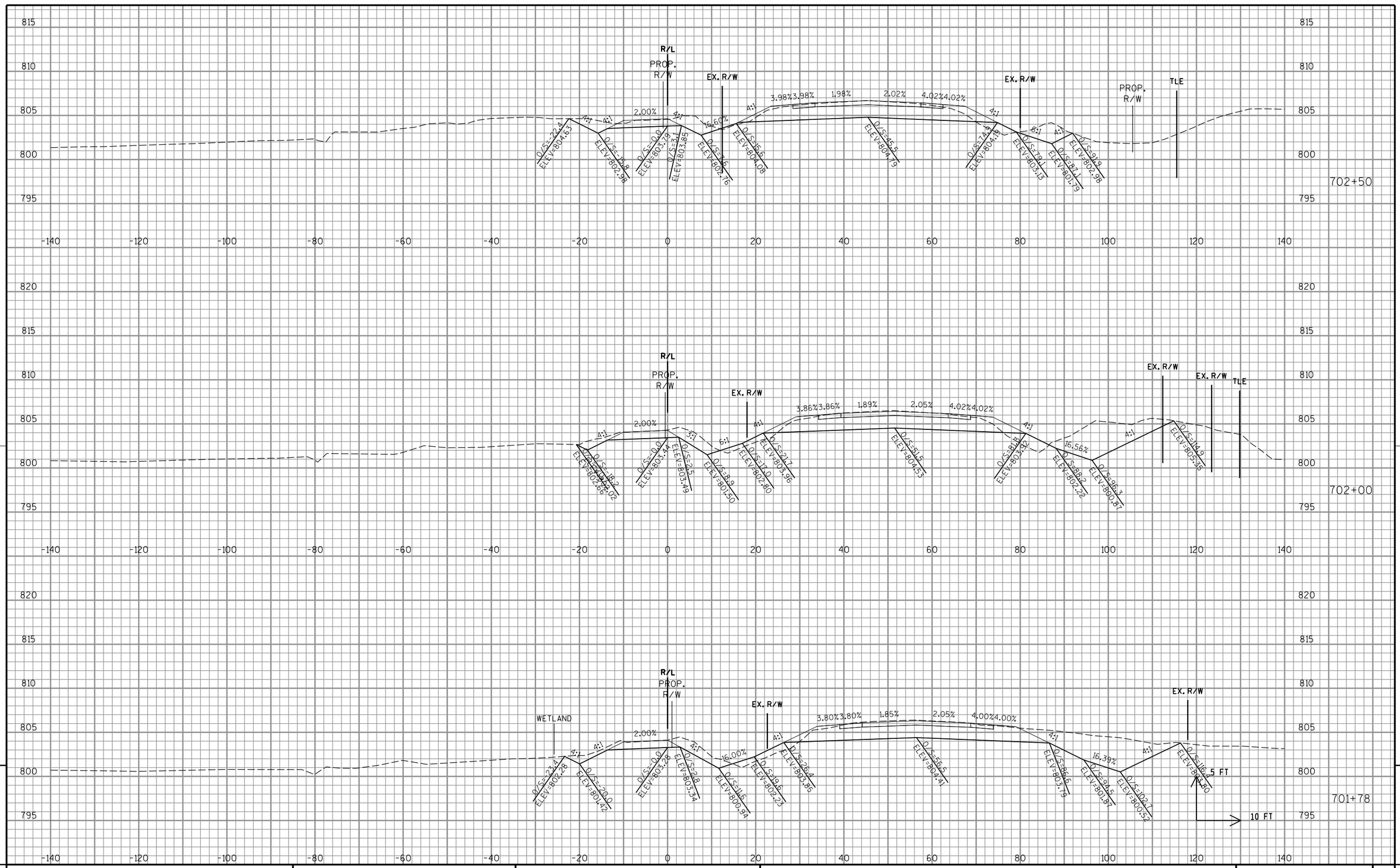
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - FUTURE RD TO INDUSTRIAL PARK	SHEET 395	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



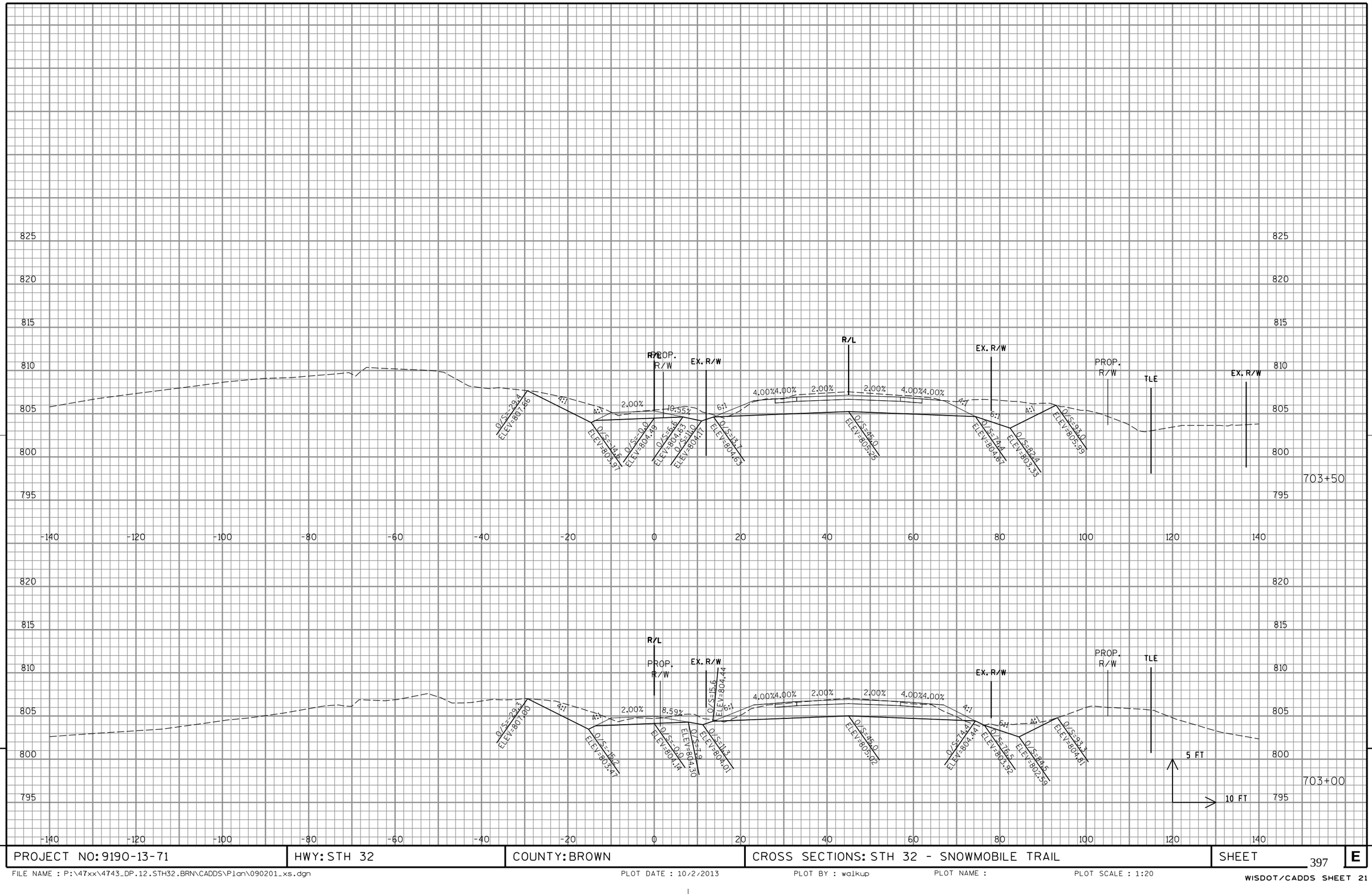
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - SNOWMOBILE TRAIL	SHEET 396	E

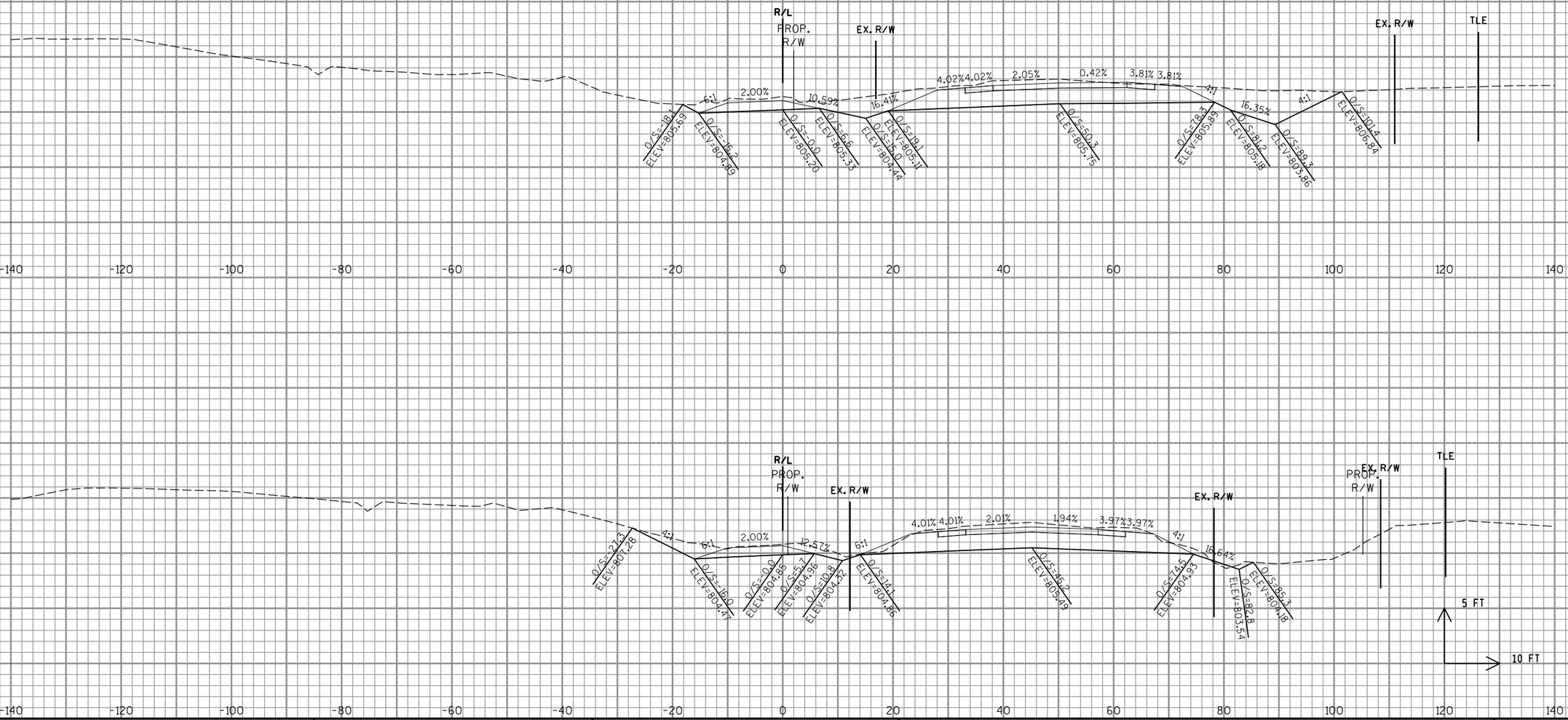
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WISDOT/CADDS SHEET 21



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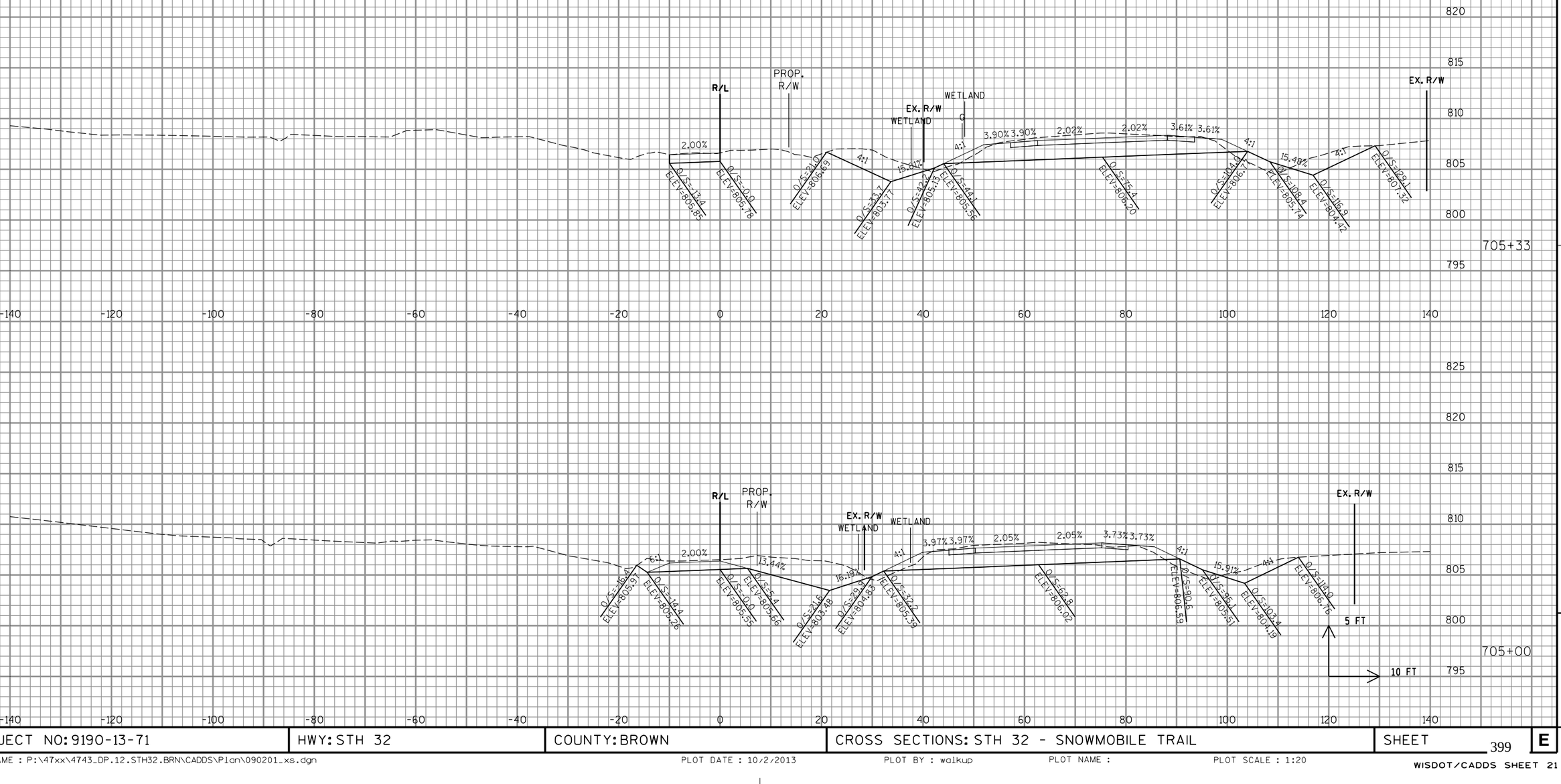
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PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - SNOWMOBILE TRAIL	SHEET 398	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

WISDOT/CADDS SHEET 21



PROJECT NO: 9190-13-71	HWY: STH 32	COUNTY: BROWN	CROSS SECTIONS: STH 32 - SNOWMOBILE TRAIL	SHEET 399	E

FILE NAME : P:\47xx\4743_DP.12.STH32.BRN\CADDS\Plan\090201_xs.dgn PLOT DATE : 10/2/2013 PLOT BY : walkup PLOT NAME : PLOT SCALE : 1:20

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