

EAU
PROJECT ID: 1050-01-64
WITH:

COUNTY: CHIPPEWA

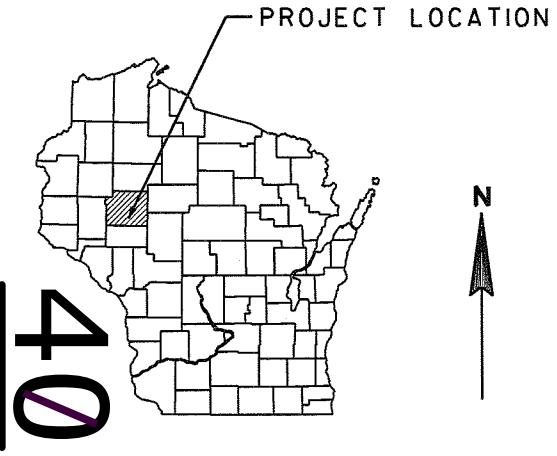
MAR 11	
ORDER OF SHEETS	
Section No. 1	Title
Section No. 2	Typical Sections and Details
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 5	Plan
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
TOTAL SHEETS = 60	

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY REHABILITATION-MAINTENANCE PROJECT
CHIPPEWA FALLS - CADOTT
STILLSON CREEK TO STH 27 (EB)
STH 29
CHIPPEWA COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
1050-01-64	WISC 2011171	1

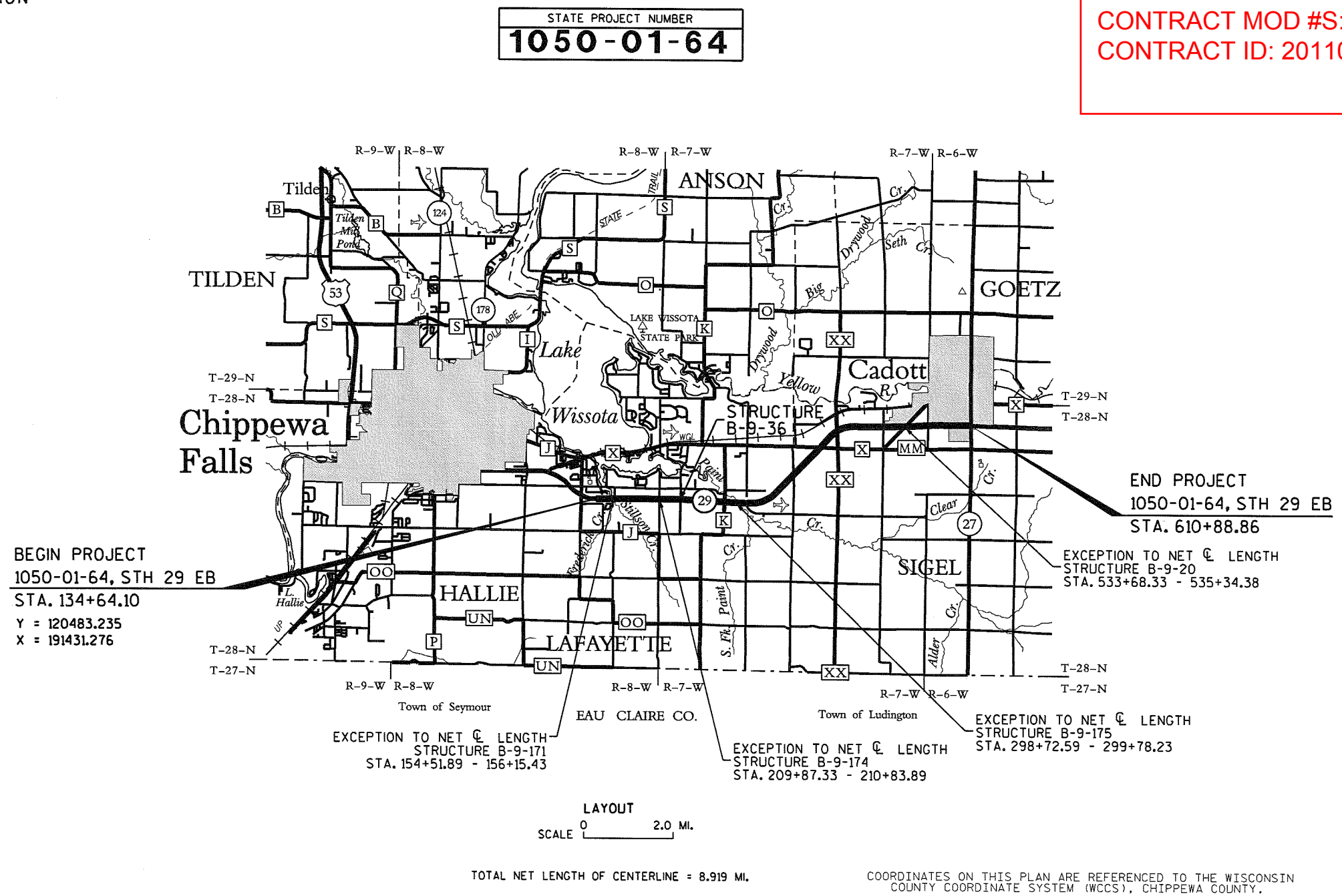
ASBUILT PLAN

PROJECT LEADER: NICOLE PASSUELLO
PRIME CONTRACTOR: C.P.R., INC.
CONTRACT MOD #S: 1 THROUGH 3
CONTRACT ID: 20110308040



DESIGN DESIGNATION	
A.A.D.T. 2010	= 15,300
A.A.D.T. 2030	= 21,000
D.H.V.	= 13.6%
D.D.	= 60/40
T.	= 16.2%
DESIGN SPEED	= 70 MPH
ESALS	= N/A

CONVENTIONAL SYMBOLS	
PLAN	
CORPORATE LIMITS	
REFERENCE LINE	
COMBUSTIBLE FLUIDS	
UTILITIES	
ELECTRIC	— E —
FIBER OPTIC	— FO —
GAS	— G —
SANITARY SEWER	— SAN —
STORM SEWER	— SS —
TELEPHONE	— T —
WATER	— W —
UTILITY PEDESTAL	⊕
POWER POLE	⊙
TELEPHONE POLE	⊘



ORIGINAL PLANS PREPARED BY

NWBE
NORTHERN WISCONSIN-BASED ENGINEERS, INC.

WISCONSIN PROFESSIONAL ENGINEER
HEATHER J. HARRINGTON
#127174
HAYWARD
10/30/10

10/20/10 DATE *Heather Harrington* SIGNATURE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	SEH, Inc.
Designer	NWBE, Inc.
Project Manager	CHAD M. HINES
Regional Examiner	DANIEL OJIBWAY
Regional Supervisor	RICHARD SHERMO
C.O. Examiner	<i>Carl W. Wagonowski</i>

APPROVED FOR THE DEPARTMENT

DATE: 10/22/10 *Rick Sh...* SIGNATURE

E

LIST OF STANDARD ABBREVIATIONS

ABUT.	ABUTMENT
AGG.	AGGREGATE
AH.	AHEAD
AADT	ANNUAL AVERAGE DAILY TRAFFIC
APPROX.	APPROXIMATE
A.E.W.	APRON END WALL
ASPH.	ASPHALTIC
BK.	BACK
BEG.	BEGIN
B.M.	BENCH MARK
C/L OR ☿	CENTER LINE
C.E.	COMMERCIAL ENTRANCE
CONC.	CONCRETE
CONSTR.	CONSTRUCTION
CO.	COUNTY
C.T.H.	COUNTY TRUNK HIGHWAY
X-SEC.	CROSS SECTION
CR.	CRUSHED
CULV.	CULVERT
C.P.	CULVERT PIPE
D.O.T.	DEPARTMENT OF TRANSPORATION
D.H.V.	DESIGN HOUR VOLUME
DIA.	DIAMETER
DISCH. OR DIS.	DISCHARGE
E.	EAST
X	EAST GRID COORDINATE
EB	EASTBOUND
EA.	EACH
ELEC.	ELECTRIC
EL. OR ELEV.	ELEVATION
ESALS	EQUIVALENT SINGLE AXLE LOADS
E.B.S.	EXCAVATION BELOW SUBGRADE
EXIST.	EXISTING
FERT.	FERTILIZE
F.E.	FIELD ENTRANCE
FIN.	FINISHED
F.L. OR F/L	FLOW LINE
HORIZ.	HORIZONTAL
INL.	INLET
INT.	INTERSECTION
INV.	INVERT
LT.	LEFT
L.H.F.	LEFT-HAND FORWARD
LIN. FT.	LINEAR FOOT
L.S.	LUMP SUM
MAX.	MAXIMUM
MISC.	MISCELLANEOUS
N.	NORTH
Y	NORTH GRID COORDINATE
N.E.	NORTHEAST
N.W.	NORTHWEST
PAVT.	PAVEMENT
P.C.	POINT OF CURVATURE
P.I.	POINT OF INTERSECTION
P.T.	POINT OF TANGENCY
P.O.T.	POINT ON TANGENT
P.E.	PRIVATE ENTRANCE
PROJ.	PROJECT
R.	RANGE
REOD.	REQUIRED
R/L OR ☿	REFERENCE LINE
RT.	RIGHT
R.H.F.	RIGHT-HAND FORWARD
R/W	RIGHT-OF-WAY
RD.	ROAD
SHLD.	SHOULDER
S.	SOUTH
S.D.D.	STANDARD DETAIL DRAWINGS
S.T.H.	STATE TRUNK HIGHWAYS
STA.	STATION
STRUCT.	STRUCTURE
TEL.	TELEPHONE
TEMP.	TEMPORARY
TN.	TOWN
T.	TRUCKS (PERCENT OF)
TYP.	TYPICAL
U.G.	UNDERGROUND
VAR.	VARIABLE
V.	VELOCITY OR DESIGN SPEED
V.C.	VERTICAL CURVE
W.	WEST
WB	WESTBOUND
W.D.	WORKING DAY
WZ	WORK ZONE

GENERAL NOTES

CURVE DATA IS BASED ON THE ARC DEFINITION.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE, ASPHALTIC SURFACE (SPECIAL) IS MEASURED FOR PAYMENT BY THE TON OR CUBIC YARD, THE DEPTH OR THICKNESS OF THE LAYERS SHOWN ON THE PLAN IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLAN. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGER'S HOTLINE AND/OR A DIRECT CALL TO UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGER'S HOTLINE.

PURSUANT TO CHAPTER 59 OF THE WISCONSIN STATUTES, SEARCH FOR EVIDENCE OF A LANDMARK IN ALL AREAS WHERE SUCH A LANDMARK MAY EXIST.

REMOVAL OF ANY SURVEY MARKER REQUIRES THE APPROVAL OF THE ENGINEER.

CONCRETE PAVEMENT REPAIR SPECIAL STATIONING & DOWELED CONCRETE PAVEMENT 10-INCH STATIONING LOCATIONS IN PLAN ARE APPROXIMATE. VERIFY LOCATIONS WITH THE ENGINEER.

REMOVING PAVEMENT LIMITS IN PLAN ARE APPROXIMATE. ACTUAL LIMITS SHALL BE DETERMINED IN THE FIELD.

SAWING CONCRETE WILL BE MEASURED AND PAID FOR ONLY ONCE WHEN REPAIRS ARE ADJACENT ALONG THE CENTERLINE OF THE EB LANES (IN BOTH DRIVING AND PASSING LANES).

OVERSAWING INTO PAVEMENT THAT IS TO REMAIN TO FACILITATE REMOVAL OF REPAIR AREAS SHALL BE SEALED WITH AN APPROVED EPOXY. THE OVERSAWING AND EPOXY ARE INCIDENTAL TO THE WORK.

ANY ADDITIONAL SAW CUTS BEYOND TERMINAL AND CENTERLINE, TO FACILITATE REMOVING PAVEMENT, WILL BE INCIDENTAL TO THE OTHER ITEMS OF THE CONTRACT.

IN CONCRETE REPLACEMENT SECTIONS, THE NEW JOINTS SHOULD MATCH ADJACENT CONCRETE PAVEMENT JOINT SPACING AND SKEW. THE NEW TINING SHOULD MATCH THE ADJACENT EXISTING PAVEMENT PATTERN.

DESIGN CONTACTS

PLAN DESIGN CONSULTANT
NWBE, INC.
HEATHER HARRINGTON
10593N KANSAS AVE.
P.O. BOX 328
HAYWARD, WI 54843
PH. 715-634-4334
FAX 715-634-6434

STRUCTURE DESIGN CONSULTANT
SEH, INC.
GREG WEYANDT
421 FRENETTE DR.
CHIPPEWA FALLS, WI 54729
PH. 715-720-6200
FAX 715-720-6300

WISDOT CONTACT

NORTHWEST REGION
CHAD HINES, P.E.
718 WEST CLAIREMONT AVENUE
EAU CLAIRE, WI 54701
715-836-7276

DEPARTMENT OF NATURAL RESOURCES

DNR WEST CENTRAL REGION HEADQUARTERS
NICK SCHAFF, WI DNR/DOT LIAISON
1300 WEST CLAIREMONT AVENUE
P.O. BOX 4001
EAU CLAIRE, WI 54702-4001
715-839-1609

UTILITIES

AT&T WISCONSIN
RICK PODOLAK
304 SOUTH DEWEY STREET
EAU CLAIRE, WI 54701
715-839-5565
rp4514@att.com

CENTURYLINK
JIM ARQUETTE
P.O. BOX 13
SHELDON, WI 54766
715-452-5168
jim.arquette@centurylink.com

CADOTT LIGHT & WATER MUNICIPAL
RAY WEILAND, SR.
P.O. BOX 40
CADOTT, WI 54727-0040

DAIRYLAND POWER COOPERATIVE
KURT D. CHILDS
3200 EAST AVE. SOUTH
P.O. BOX 817
LACROSSE, WI 54602-0817
608-788-4000
kdc@dairynet.com

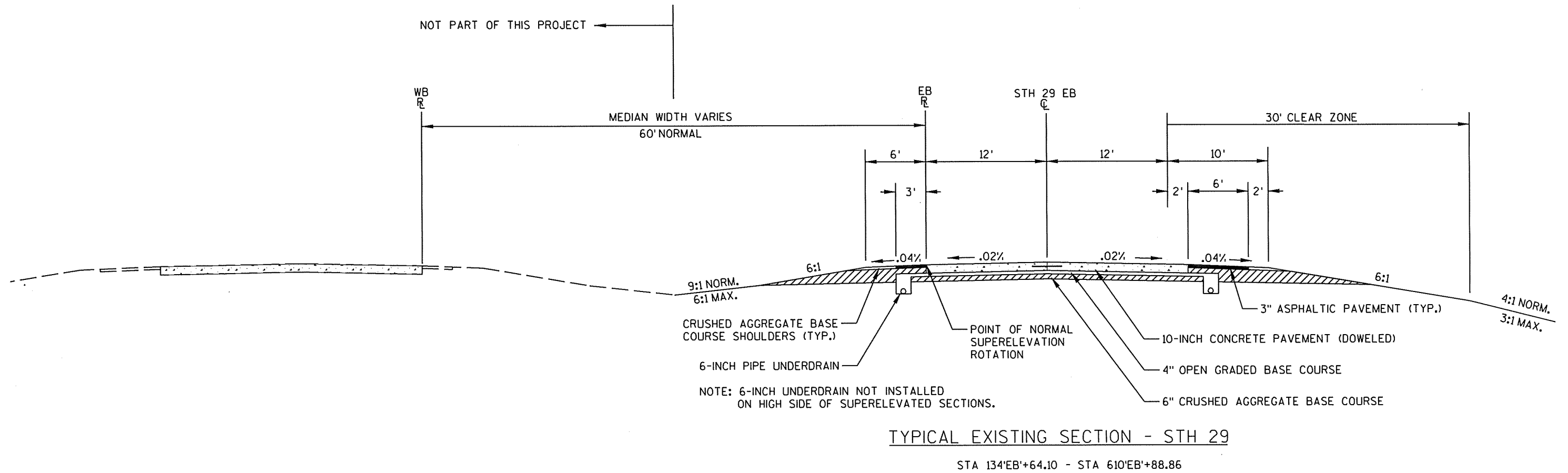
MAGELLAN PIPELINE CO.
CLAIR MADSEN
2728 PATTON RD.
ST. PAUL, MN 55113
612-750-1806
clair.madsen@magellanlp.com

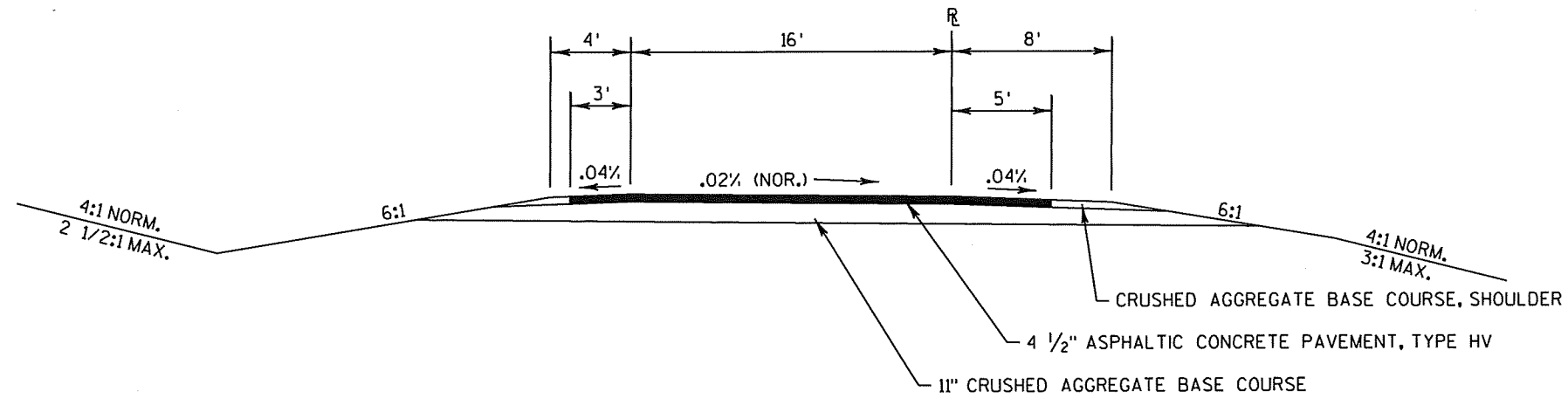
WE ENERGIES
SEND ALL CORRESPONDENCE TO:
DAN SANDE
333 W. EVERETT ST., A2999
MILWAUKEE, WI 53203
GAS DISPATCH #: 1-800-261-5325
CONSTRUCTION FIELD CONTACT:
THOMAS KROSTAG
1921 8TH STREET SOUTH
WISCONSIN RAPIDS, WI 54494
715-421-7268
thomas.krostag@we-energies.com

XCEL ENERGY TRANSMISSION RALPH MELGARD 1414 WEST HAMILTON P.O. BOX 0008 EAU CLAIRE, WI 54702-0008 715-737-1573 Ralph.Melgard@XcelEnergy.com	XCEL ENERGY DISTRIBUTION DAVE PEPPER 50 N. 5TH ST. ABBOTSFORD, WI 54405 715-223-4878 Dave.Pepper@XcelEnergy.com
---	--



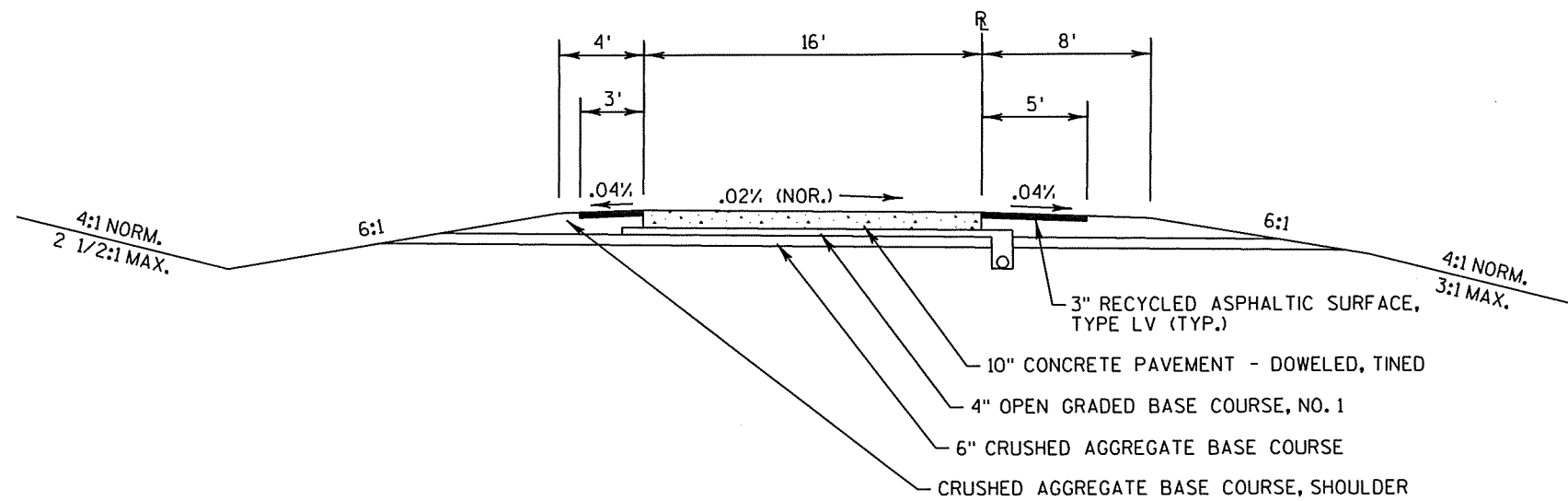
Call 811 3 Work Days Before You Dig
or Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com





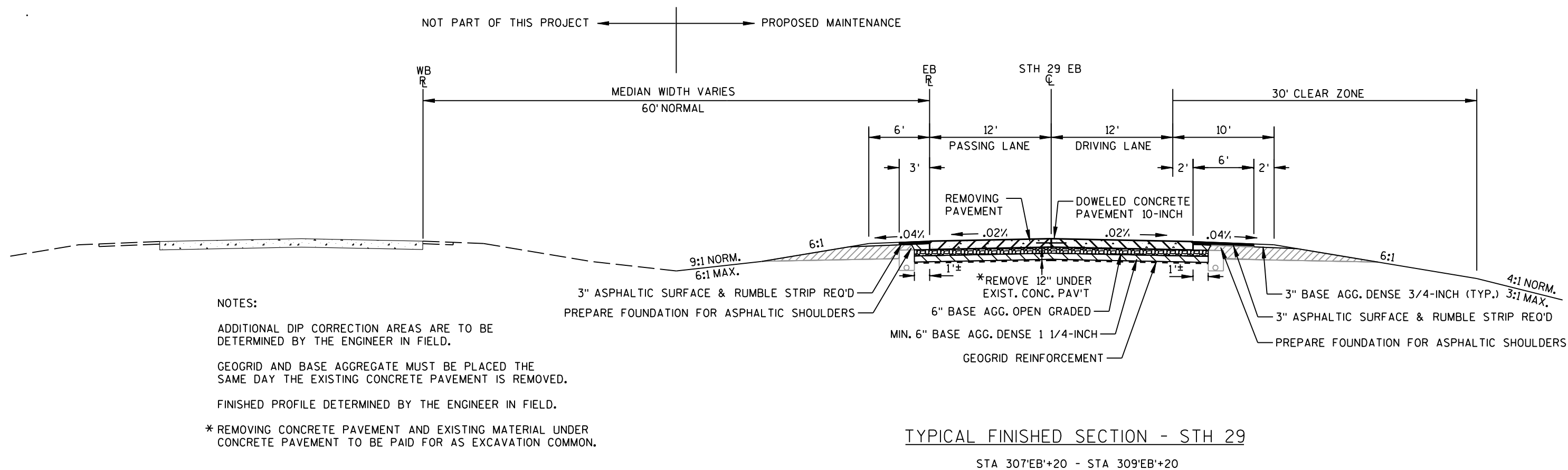
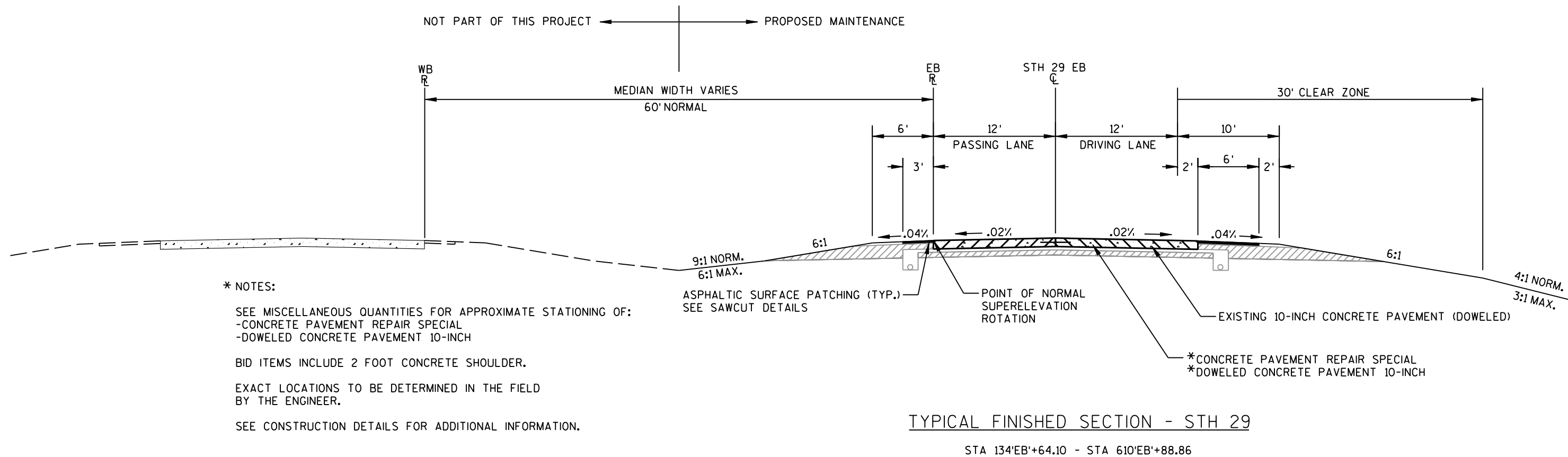
TYPICAL EXISTING SECTION - RAMP

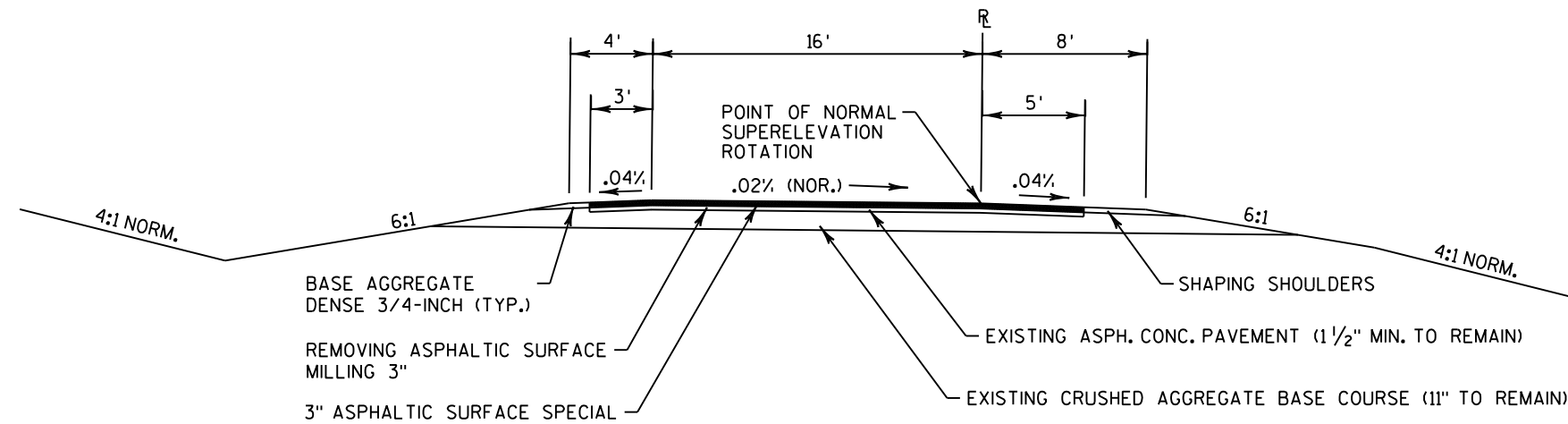
STA 417'C'+88 - STA 426'C'+17.8
 STA 424'D'+68.5 - STA 432'D'+41
 STA 602'L'+88 - STA 610'L'+86.3
 STA 611'M'+57.35 - STA 618'M'+27



TYPICAL EXISTING SECTION - RAMP

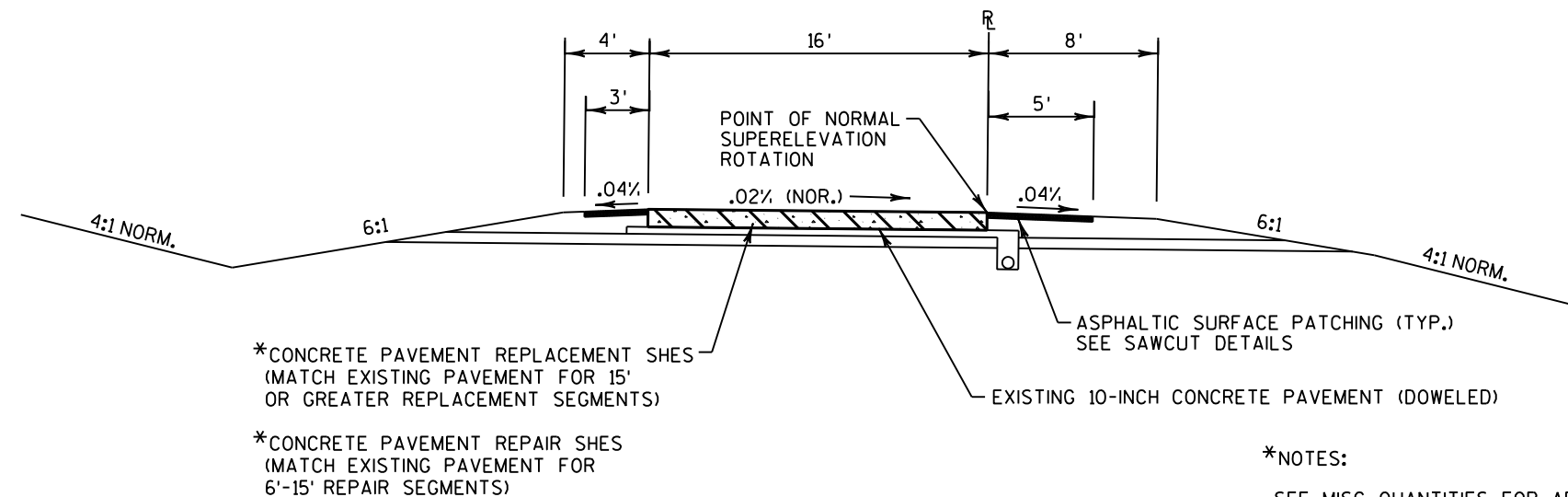
STA 414'C'+01.7 - STA 417'C'+88
 STA 432'D'+41 - STA 438'D'+85.9
 STA 599'L'+25 - STA 602'L'+88
 STA 618'M'+27 - STA 620'M'+03.86





TYPICAL FINISHED SECTION - RAMP

STA 417'C+88 - STA 422'C+00
 STA 427'D+50 - STA 432'D+41
 STA 602'L+88 - STA 611'L+19.10
 STA 610'M+81.85 - STA 618'M+27



TYPICAL FINISHED SECTION - RAMP

STA 414'C+01.7 - STA 417'C+88
 STA 432'D+41 - STA 438'D+85.9
 STA 599'L+25 - STA 602'L+88
 STA 618'M+27 - STA 620'M+03.86

*NOTES:

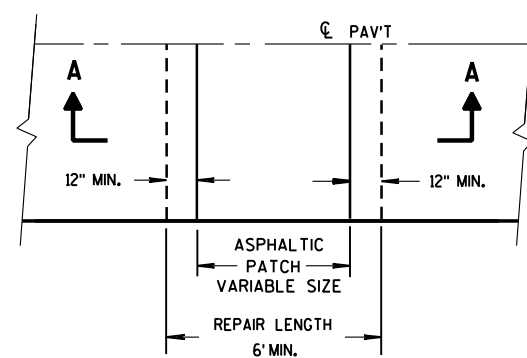
SEE MISC. QUANTITIES FOR APPROXIMATE STATIONING OF:
 -CONCRETE PAVEMENT REPAIR SHES
 -CONCRETE PAVEMENT REPLACEMENT SHES

EXACT LOCATIONS TO BE DETERMINED
 IN THE FIELD BY THE ENGINEER.

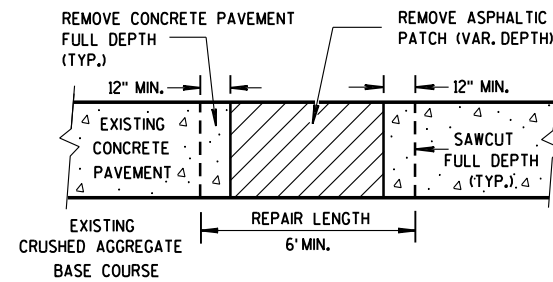
SEE CONSTRUCTION DETAILS FOR ADDITIONAL INFORMATION.

GENERAL NOTES

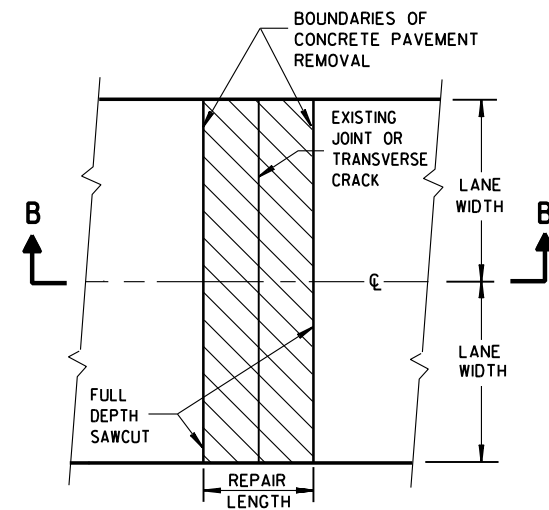
DRILL AND LIFT OUT EXISTING CONCRETE PAVEMENT WITHIN THE BOUNDARIES OF CONCRETE REPAIR AREAS. THE CONTRACTOR MAY MAKE ADDITIONAL SAW CUTS INSIDE THE REPAIR LIMITS TO REDUCE WEIGHT AND SIZE OF CONCRETE PIECES. ADDITIONAL SAW CUTS ARE INCIDENTAL TO THE WORK AND ARE NOT MEASURED FOR PAYMENT. PROVIDE 6-FOOT MINIMUM BOUNDARIES FROM CONCRETE PAVEMENT REPAIR AREAS TO REMAINING TRANSVERSE JOINT OR CRACK.



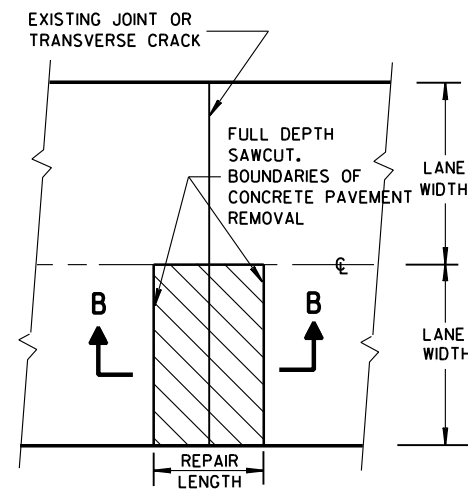
PLAN VIEW



**SECTION A-A
PATCH REMOVAL**



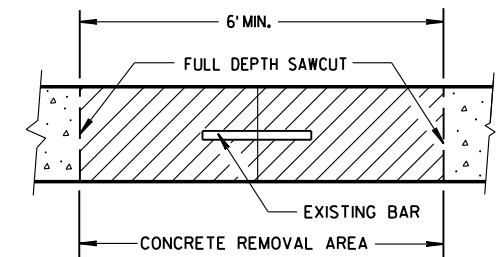
**PLAN VIEW
(DOUBLE LANE REPAIR)**



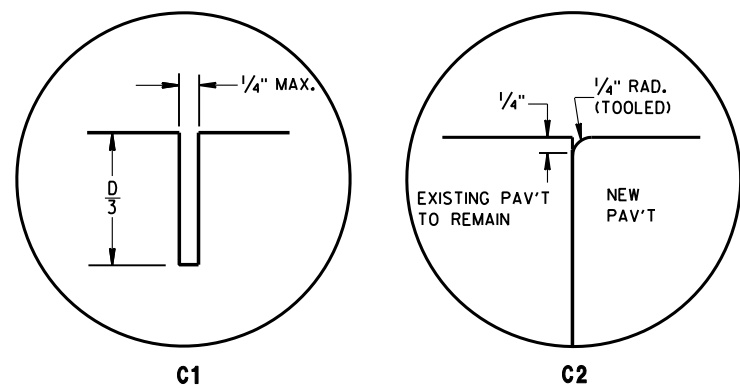
**PLAN VIEW
(SINGLE LANE REPAIR)**

FULL DEPTH CONCRETE PAVEMENT REMOVAL

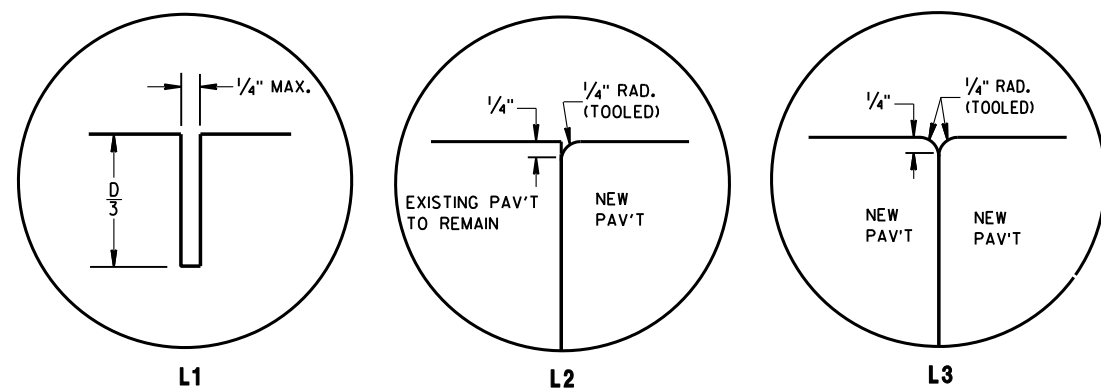
(SEE NOTE)



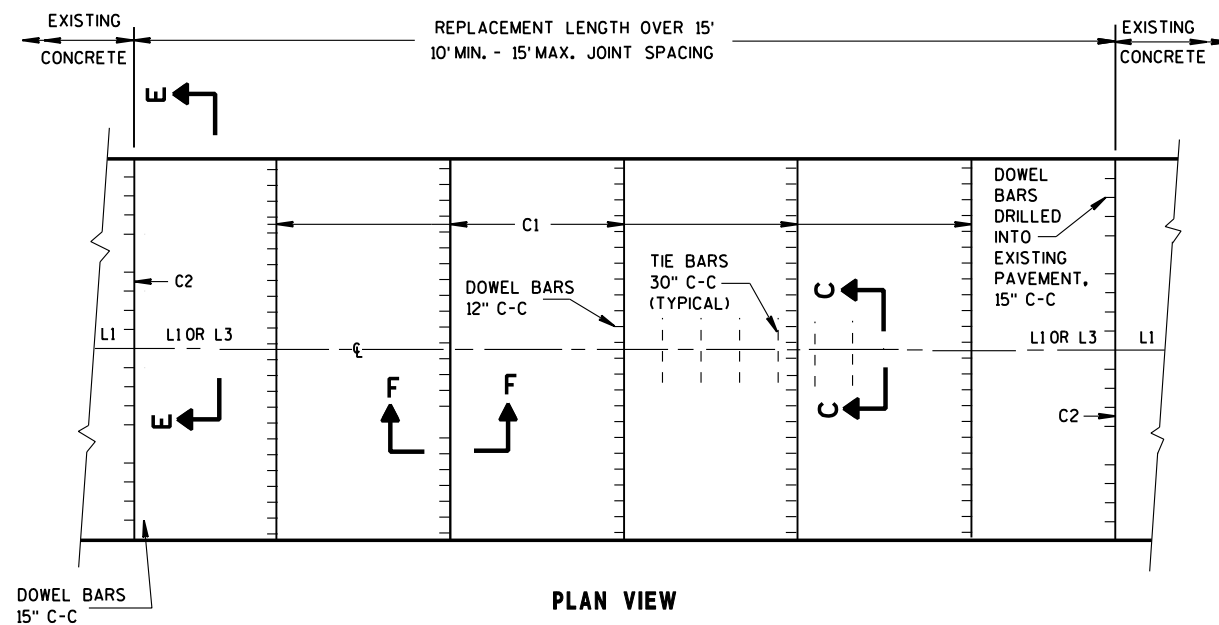
SECTION B-B



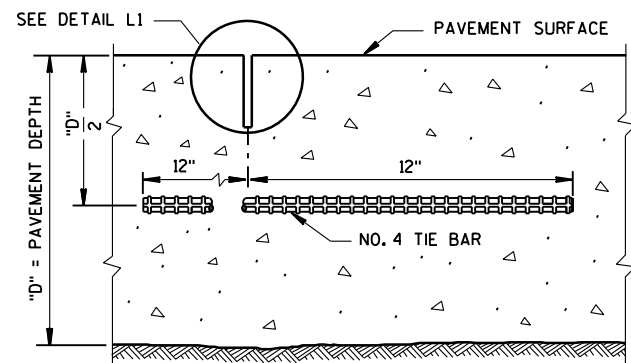
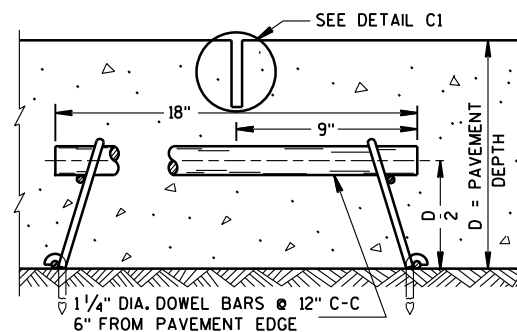
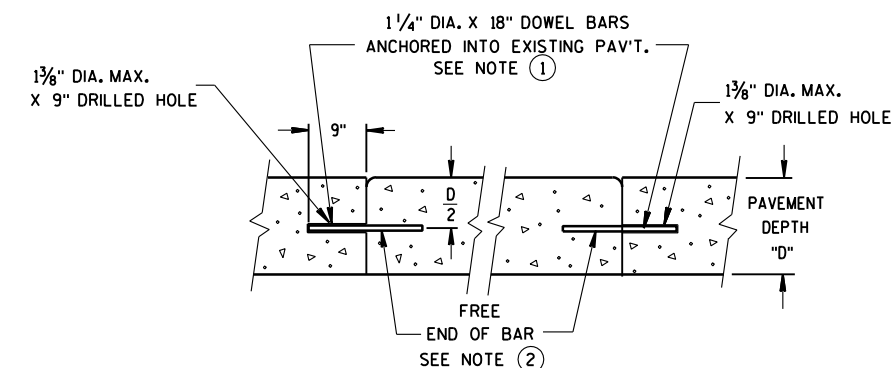
TRANSVERSE JOINTS



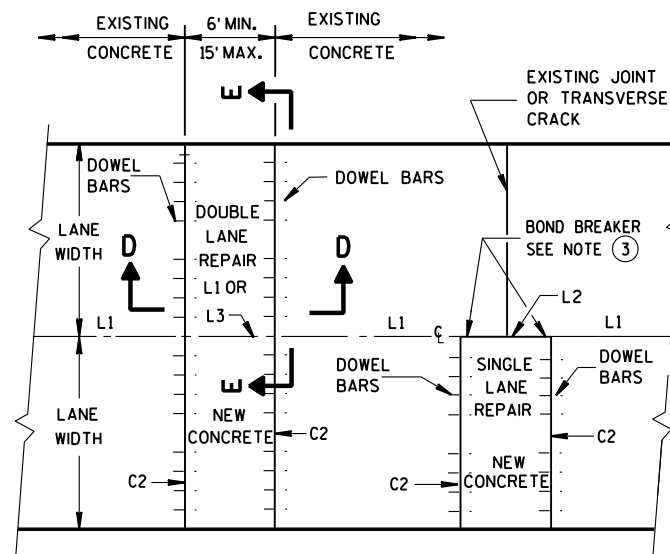
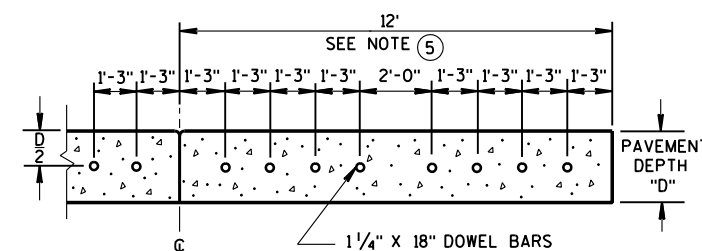
LONGITUDINAL JOINTS



MULTI-LANE DOWELED CONCRETE PAVEMENT 10-INCH

SECTION C-C
SAWED LONGITUDINAL JOINTSECTION F-F
CONTRACTION JOINT

SECTION D-D

PLAN VIEW
CONCRETE PAVEMENT REPAIR SPECIALSECTION E-E
SPACING OF DOWEL BARS
DRILLED INTO EXISTING PAVEMENT

GENERAL NOTES

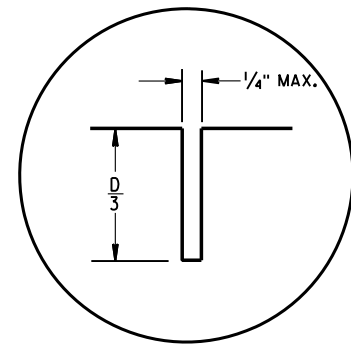
INSTALL DOWEL BARS PARALLEL TO THE PAVEMENT CENTERLINE AND PAVEMENT SURFACE.

CONCRETE PAVEMENT REPAIRS OF EXISTING NON-DOWELED CONCRETE PAVEMENTS DO NOT NEED TO BE DOWELED.

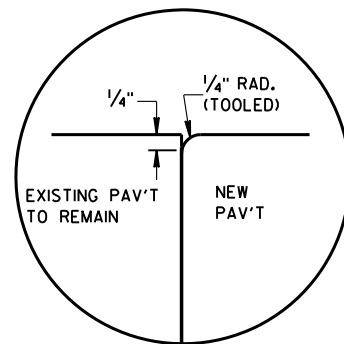
DO NOT SEAL OR FILL JOINTS.

NEW JOINTS MUST MATCH ADJACENT JOINT ORIENTATION IN DOWELED CONCRETE PAVEMENT SECTIONS (JOINT MUST BE SKEWED IF ADJACENT TO SKEWED JOINT).

- ANCHOR DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.
- APPLY A THIN UNIFORM COATING OF SURFACE TREATMENT TO THE FREE END OF DOWEL BARS TO PREVENT BONDING.
- USE AN ENGINEER-APPROVED BOND BREAKER FOR SINGLE LANE REPAIRS UP TO 15 FEET IN LENGTH.
- CONCRETE PAVEMENT REPAIRS LESS THAN 15 FEET IN LENGTH ARE CONSIDERED CONCRETE PAVEMENT REPAIR SPECIAL. CONCRETE PAVEMENT REPLACEMENTS OVER 15 FEET IN LENGTH ARE CONSIDERED DOWELED CONCRETE PAVEMENT 10-INCH.
- FOR 14-FOOT LANE WIDTH USE SAME DOWEL LAYOUT AS 12-FOOT LANE (FROM CENTERLINE). FOR 16-FOOT LANE WIDTH REDUCE CENTER SPACE TO 1'-0", AND ADD FOUR DOWEL BARS FOR A TOTAL OF 12. USE THE SAME 1'-3" SPACING FOR ADDITIONAL DOWEL BARS.

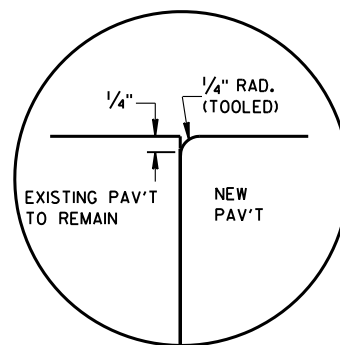


C1



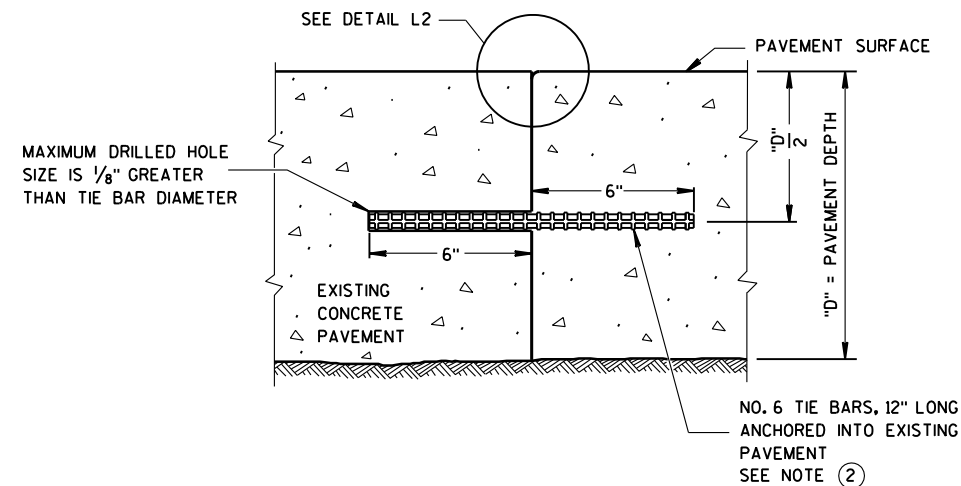
C2

TRANSVERSE JOINTS

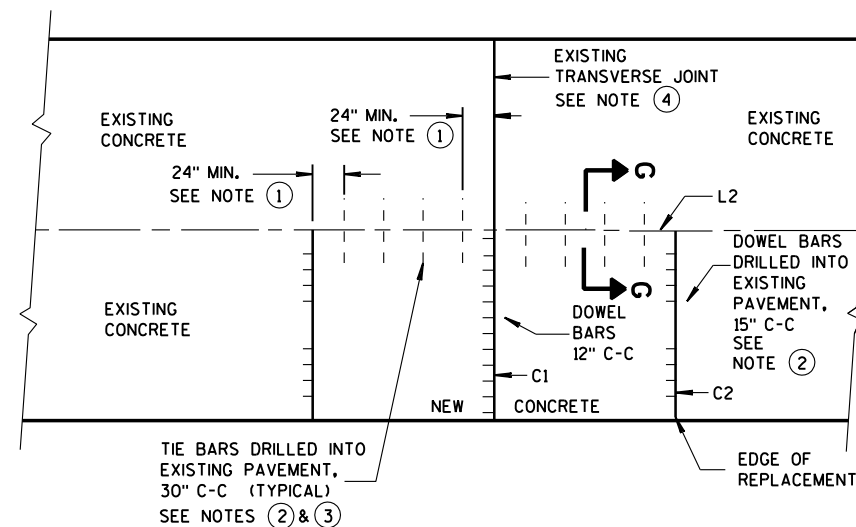


L2

LONGITUDINAL JOINT



SECTION G-G TIE BARS DRILLED INTO EXISTING PAVEMENT

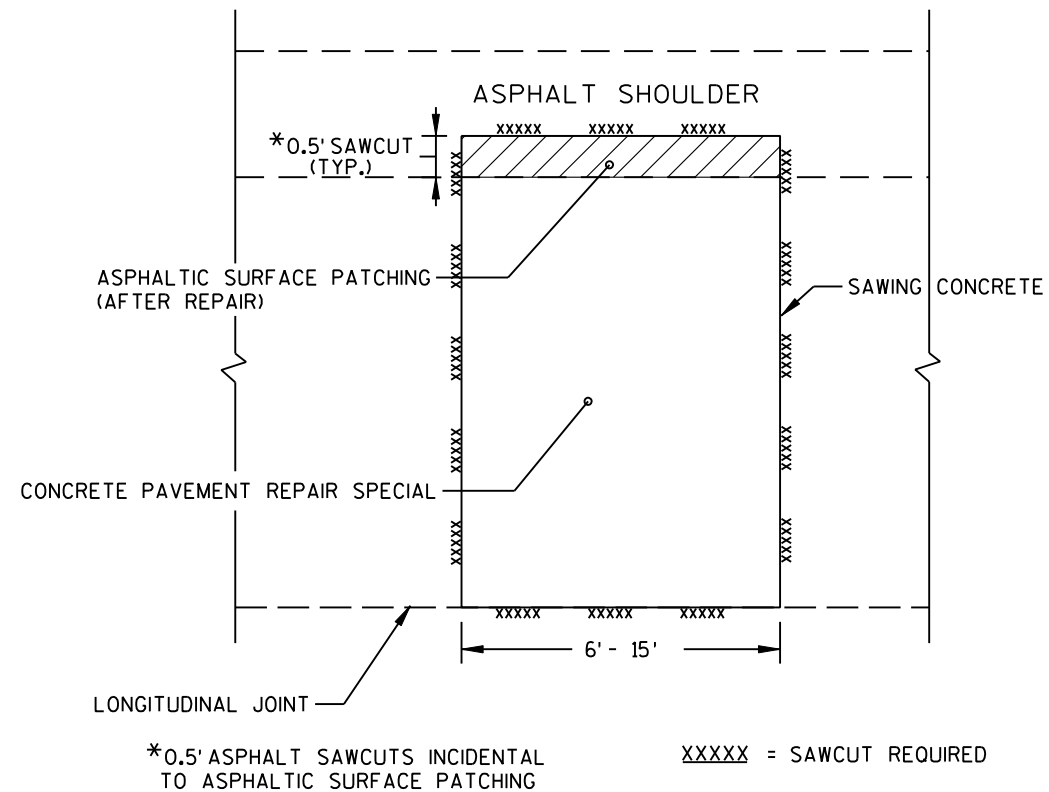


PLAN VIEW

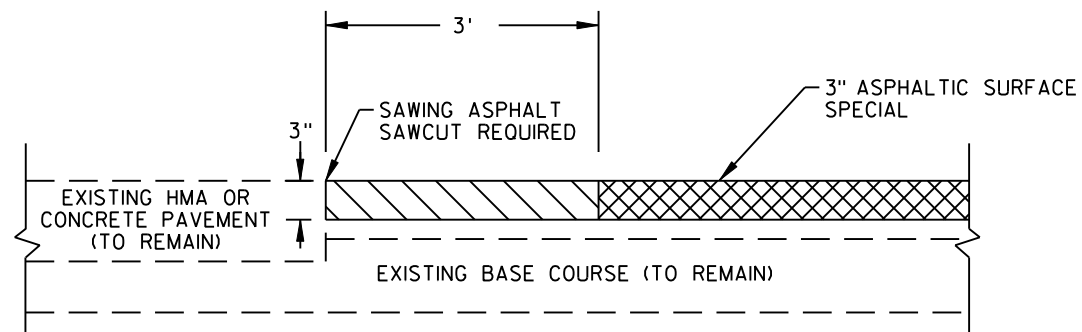
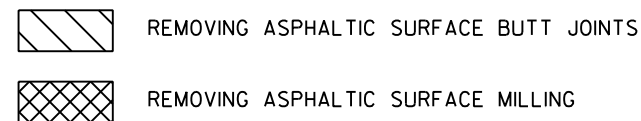
SINGLE LANE DOWELED CONCRETE PAVEMENT 10-INCH

GENERAL NOTES

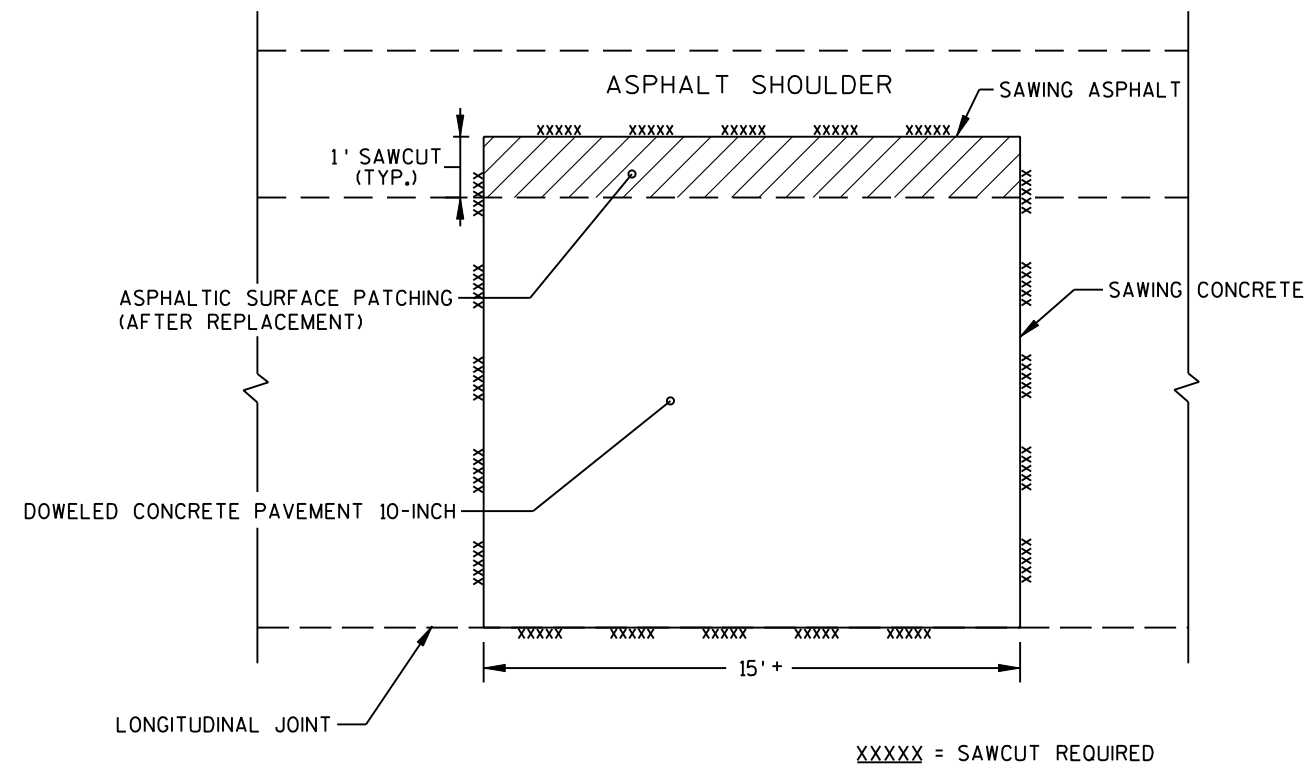
- ① PROVIDE A MINIMUM DISTANCE OF 24 INCHES FROM AN EXISTING TRANSVERSE JOINT OR THE EDGE OF REPLACEMENT TO THE CENTER OF THE TIE BAR NEAREST THAT JOINT OR EDGE, EXCEPT IF THE EXISTING JOINT OR EDGE ANGLE IS LESS THAN 90° TO THE REPLACEMENT AREA, THEN PROVIDE A DISTANCE OF 36 INCHES.
- ② ANCHOR TIE BARS AND DOWEL BARS INTO DRILLED HOLES WITH AN EPOXY.
- ③ WITH THE APPROVAL OF THE ENGINEER, FOR SINGLE LANE PAVEMENT REPLACEMENTS LESS THAN 30 FEET IN LENGTH, THE CONTRACTOR MAY INSTALL DRILLED TIE BARS ON 6:1 SKEW HORIZONTALLY, DIRECTION OF SKEW ALTERNATING WITH EACH SUCCESSIVE BAR. DRIVE SKEWED TIE BARS TO A DEPTH OF 6 INCHES AND TO SUCH A DIAMETER AS TO PROVIDE A TIGHT DRIVEN FIT.
- ④ NEW JOINT MUST MATCH ORIENTATION OF ADJACENT JOINT. (JOINT MUST BE SKEWED IF ADJACENT TO SKEWED JOINT).



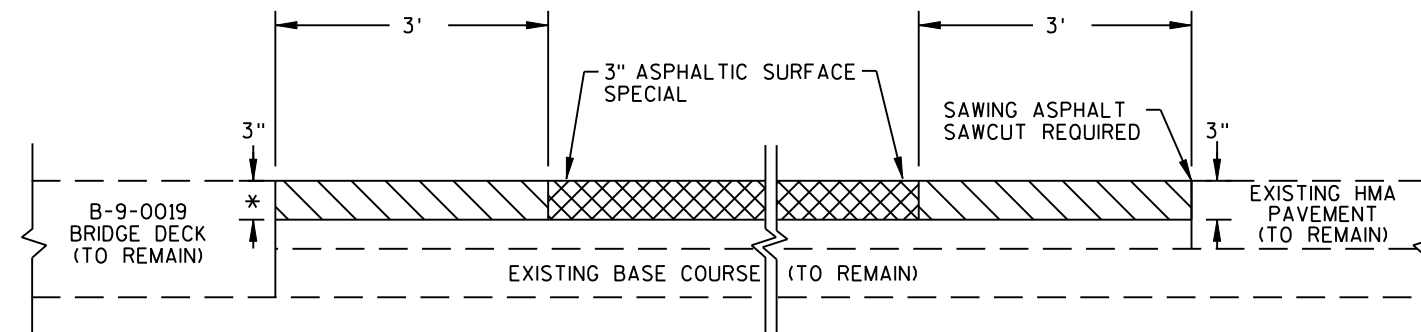
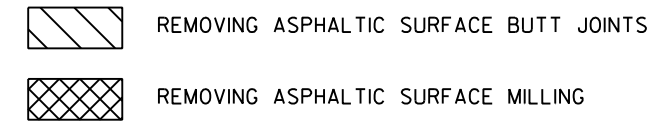
CONCRETE PAVEMENT REPAIR SAWCUT DETAIL



BUTT JOINT DETAIL

STH 27 RAMP
CTH X RAMP

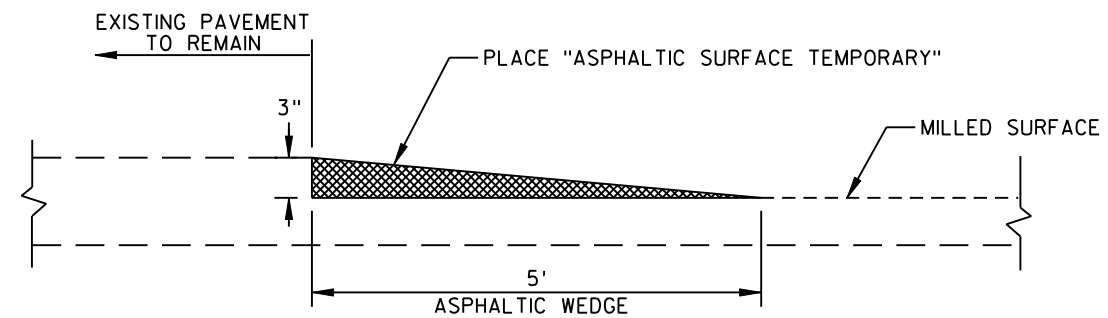
CONCRETE PAVEMENT REPLACEMENT SAWCUT DETAIL



BUTT JOINT DETAIL

CTH X OVERPASS

*HAND WORK TO REMOVE ASPHALT ALONG BRIDGE DECK IS
INCIDENTAL TO REMOVING ASPHALTIC SURFACE BUTT JOINTS



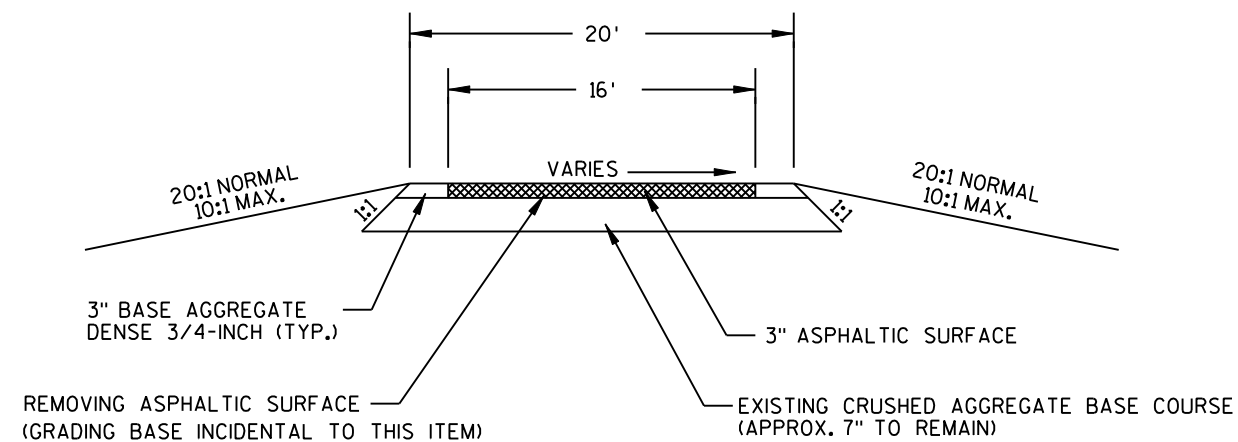
NOTES:

PROVIDE ASPHALTIC WEDGE PRIOR TO OPENING LANE TO TRAFFIC.

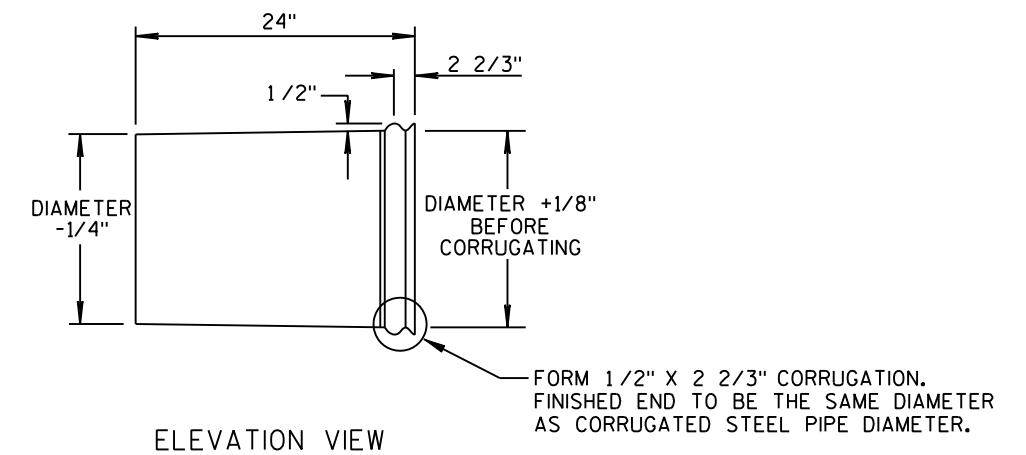
REMOVAL OF ASPHALTIC WEDGES WILL BE PAID FOR AS "REMOVING ASPHALTIC SURFACE BUTT JOINTS".

TEMPORARY WEDGES DETAIL

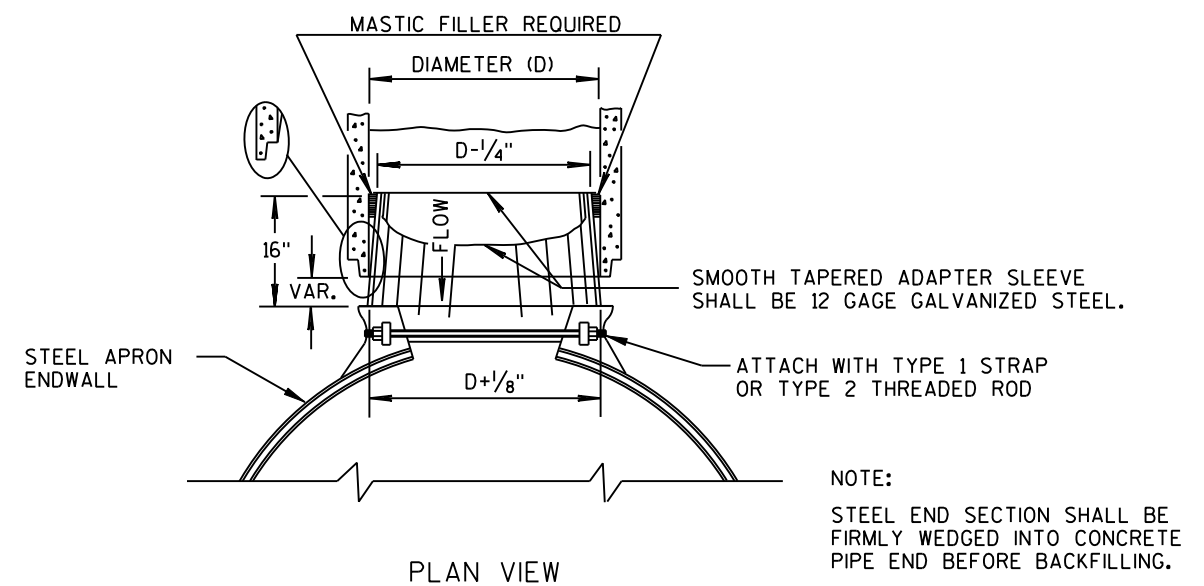
CTH X
CTH X RAMPS
STH 27 RAMPS

PAVED MAINTENANCE CROSS-OVER

STA 169+88
STA 273+84
STA 395+65
STA 462+08
STA 589+66

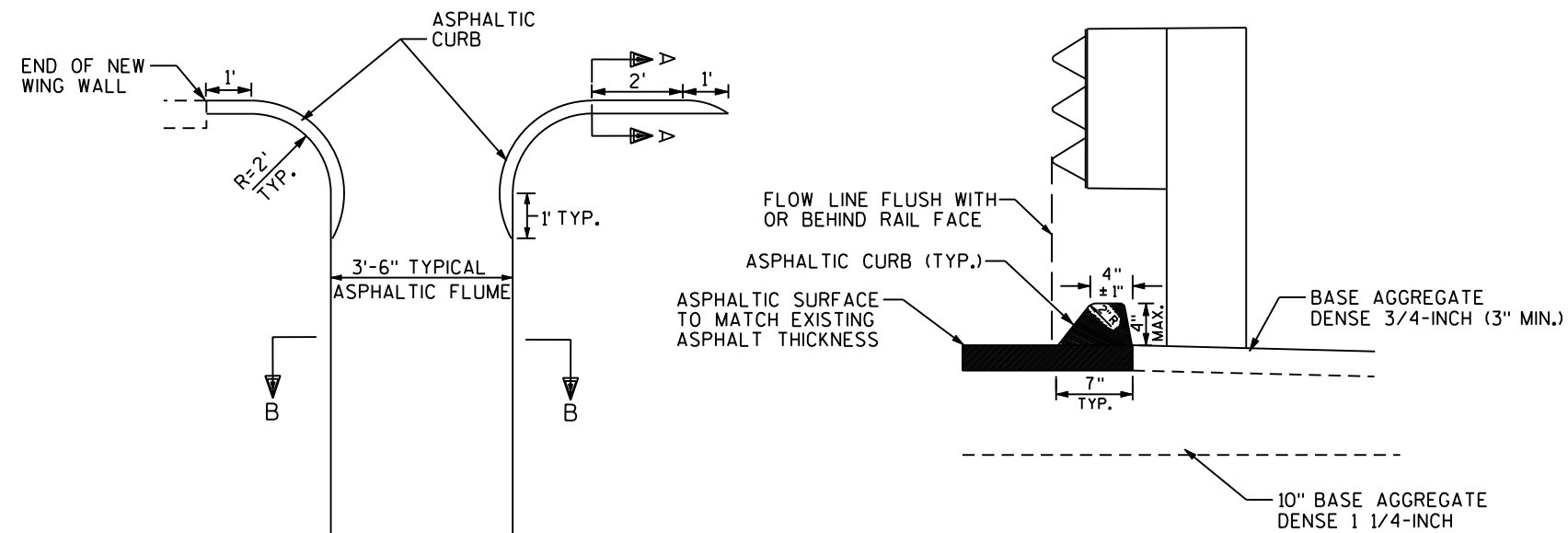


ELEVATION VIEW



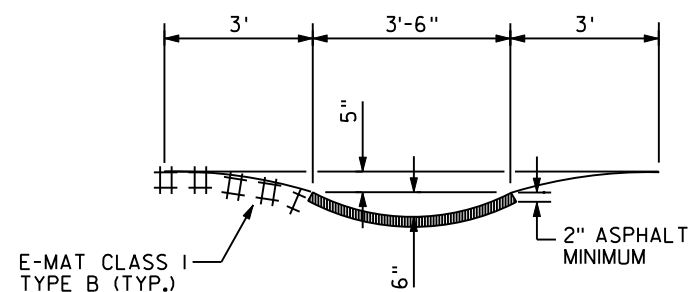
PLAN VIEW

STEEL ADAPTER SLEEVE DETAIL



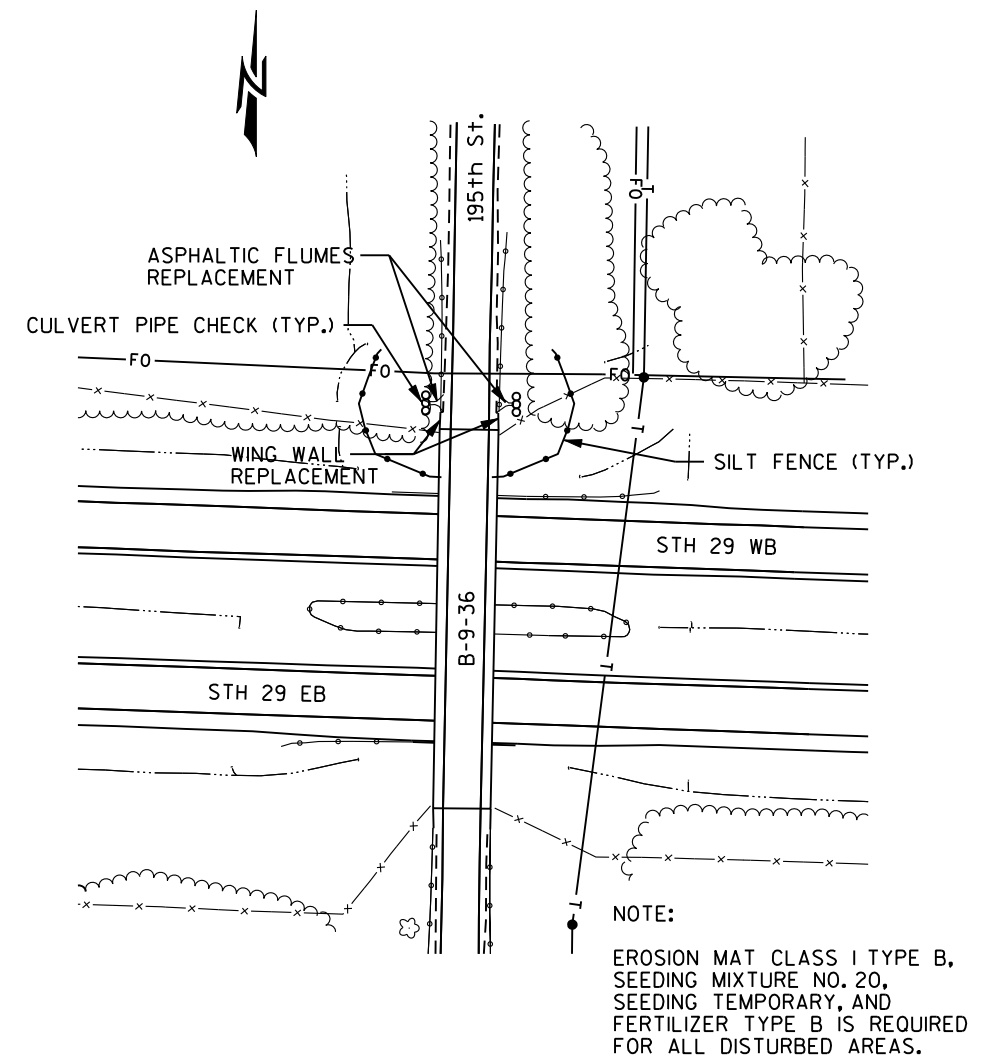
NOTE:

TERMINATE EACH ASPHALTIC FLUME AT EXISTING CONCRETE MASONRY, OR MATCH EXISTING PIPE FLOWLINE.



ASPHALTIC CURB & FLUME DETAIL

STRUCTURE B-9-36



EROSION CONTROL DETAIL

STRUCTURE B-9-36

3

3

CULVERT PIPE ITEMS

STATION	LOCATION	521.1018	521.1024	520.7000	SPV.0060.01	633.5200	SPV.0090.01	REMARKS
		APRON ENDWALLS FOR CULVERT PIPE STEEL 18-INCH EACH	APRON ENDWALLS FOR CULVERT PIPE STEEL 24-INCH EACH	CLEANING CULVERT PIPES EACH	RESETTING PIPE ENDS EACH	MARKERS CULVERT END EACH	REGRADE DITCH LF	
101+44	LT	---	---	1	---	---	---	PIPE DRAINS WEST @ 195TH ST. FLUME
150+02	RT & LT	---	---	---	---	2	---	
156+62	LT	1	---	---	---	1	---	
163+02	RT & LT	---	---	1	---	2	---	
171+02	RT	---	---	1	---	1	50	REGRADE DITCH TO DRAIN WEST
171+02	LT	---	---	---	---	1	---	
180+00	RT & LT	---	---	---	---	2	---	
189+45	LT	---	---	1	---	1	---	
196+01	RT	---	---	1	---	1	---	
204+03	LT	---	---	---	---	1	---	
211+35	RT	---	---	---	1	1	---	
214+13	RT & LT	---	---	---	---	2	---	
233+99	RT	---	---	1	---	---	50	REGRADE DITCH TO DRAIN EAST
234+64	RT	---	---	1	---	---	25	C.P. PARALLEL TO STH 29, UNDER 195TH
243+00	RT & LT	---	---	---	---	2	---	
252+00	RT	---	---	1	---	1	100	REGRADE DITCH TO DRAIN EAST
252+00	LT	---	---	---	---	1	---	
256+50	RT	---	---	---	---	1	---	
262+00	RT	---	---	---	---	---	75	REGRADE DITCH TO DRAIN EAST
262+00	RT & LT	---	---	---	---	2	---	
273+05	RT & LT	---	---	---	---	2	---	
285+79	RT	---	---	---	---	2	---	C.P. PARALLEL TO STH 29, UNDER CTH K
314+00	RT	---	---	---	---	1	75	REGRADE DITCH TO DRAIN WEST
314+00	LT	1	---	---	---	---	---	
331+02	RT	---	---	---	---	---	25	REGRADE PIPE OUTFALL
331+02	LT	1	---	---	---	---	---	
335+22	RT	---	---	---	---	1	---	
344+26	LT	---	---	---	---	1	---	
360+02	RT	---	---	---	---	1	25	REGRADE DITCH TO DRAIN WEST
371+85	LT	---	---	---	---	1	---	
384+84	RT	---	---	---	1	1	25	RESET CONC. AEW; 2 JOINT TIES REQ'D.
384+84	LT	---	---	---	---	1	---	
413+01	LT	1	---	---	---	---	25	REGRADE DITCH TO DRAIN EAST
421+80	LT	---	---	---	---	1	---	
426+45	RT	---	1	1	---	1	25	REGRADE DITCH TO DRAIN EAST
426+80	LT	1	---	---	---	---	25	REGRADE DITCH TO DRAIN EAST
434+70	RT	---	1	---	---	---	---	
436+70	RT & LT	---	---	---	---	2	---	
451+18	RT	---	---	---	---	1	---	C.P. PARALLEL TO STH 29, UNDER CTH XX
453+02	RT	---	---	---	1	---	---	RESET CONC. AEW; 2 JOINT TIES REQ'D.
498+40	RT & LT	---	---	---	---	2	---	
604+83	RT	---	---	1	1	---	---	
UNDISTRIBUTED	PROJECT	---	---	---	---	2	75	ADDITIONAL WORK TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
TOTALS:		5	2	10	4	42	600	

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE
ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

* STEEL APRON ENDWALLS MAY REQUIRE THE USE OF SMOOTH STEEL ADAPTER SLEEVES (SEE CONSTRUCTION DETAIL).
ALL ADAPTER SLEEVES ARE INCIDENTAL TO ENDWALL INSTALLATION. SEE SPECIAL PROVISION FOR APRON ENDWALLS STEEL.

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE
ENGINEER ESTIMATE CATEGORY 0010,
UNLESS OTHERWISE NOTED.

BEAM GUARD ITEMS

STATION - STATION		LOCATION	614.0115 ANCHORAGES FOR STEEL PLATE BG TYPE 2 EACH	614.0200 STEEL THRIE BEAM STRUCTURE APPROACH LF	614.0305 STEEL PLATE BEAM GUARD CLASS A LF	614.0345 STEEL PLATE BEAM GUARD SHORT RADIUS LF	614.0370 STEEL PLATE BEAM GUARD E.A. TERMINAL EACH	614.0390 STEEL PLATE BEAM GUARD S.R. TERMINAL EACH	REMARKS
151+62.5		STH 29 RT	---	---	---	---	1	---	CAT 0030
152+12.5 - 154+37.5		STH 29 RT	---	---	225	---	---	---	CAT 0030
154+37.5 - 154+58		STH 29 RT	---	21	---	---	---	---	CAT 0030
152+06.5		STH 29 LT	---	---	---	---	1	---	CAT 0030
152+56.5 - 154+19		STH 29 LT	---	---	162.5	---	---	---	CAT 0030
154+19 - 154+39.5		STH 29 LT	---	21	---	---	---	---	CAT 0030
207+47		STH 29 LT	---	---	---	---	1	---	CAT 0030
207+97 - 209+59.5		STH 29 LT	---	---	162.5	---	---	---	CAT 0030
209+59.5 - 209+80		STH 29 LT	---	21	---	---	---	---	CAT 0030
208+07		STH 29 RT	---	---	---	---	1	---	CAT 0030
232+48		STH 29 RT	---	---	---	---	1	---	CAT 0030
232+98 - 234+73		STH 29 RT	---	---	175	---	---	---	CAT 0030
234+73 - 234+93.5		STH 29 RT	---	21	---	---	---	---	CAT 0030
283+63		STH 29 RT	---	---	---	---	1	---	CAT 0030
284+13 - 285+88		STH 29 RT	---	---	175	---	---	---	CAT 0030
285+88 - 286+08.5		STH 29 RT	---	21	---	---	---	---	CAT 0030
296+29.5		STH 29 LT	---	---	---	---	1	---	CAT 0030
296+79.5 298+42		STH 29 LT	---	---	162.5	---	---	---	CAT 0030
298+42 - 298+62.5		STH 29 LT	---	21	---	---	---	---	CAT 0030
296+83.5		STH 29 RT	---	---	---	---	1	---	CAT 0030
297+33.5 - 298+33.5		STH 29 RT	---	---	100	---	---	---	CAT 0030
299+96 - 300+58.5		STH 29 LT	---	---	62.5	---	---	---	CAT 0030
300+58.5		STH 29 RT	1	---	---	---	---	---	CAT 0030
376+82.5		STH 29 RT	---	---	---	---	1	---	CAT 0030
377+32.5 - 379+20		STH 29 RT	---	---	187.5	---	---	---	CAT 0030
423+25		STH 29 RT	---	---	---	---	1	---	CAT 0030
423+75 - 423+96		STH 29 RT	---	21	---	---	---	---	CAT 0030
449+25		STH 29 RT	---	---	---	---	1	---	CAT 0030
449+75 452+75		STH 29 RT	---	---	300	---	---	---	CAT 0030
452+75		STH 29 RT	1	---	---	---	---	---	CAT 0030
530+49.5		STH 29 RT	---	---	---	---	1	---	CAT 0030
530+99.5 - 531+37		STH 29 RT	---	---	37.5	---	---	---	CAT 0030
532+71.5		STH 29 LT	---	---	---	---	1	---	CAT 0030
533+21.5 - 533+34		STH 29 LT	---	---	12.5	---	---	---	CAT 0030
608+05		STH 29 RT	---	---	---	---	1	---	CAT 0030
608+55 - 612+05		STH 29 RT	---	---	350	---	---	---	CAT 0030
612+05		STH 29 RT	1	---	---	---	---	---	CAT 0030
100'X'+92 - 101'X'+11		CTH X SE Quad, RT	---	19	---	---	---	---	---
101'X'+11 101'X'+36		CTH X SE Quad, RT	---	---	25	---	---	---	---
101'X'+86		CTH X SE Quad, RT	---	---	---	---	1	---	---
103'X'+63		CTH X SE Quad, RT	---	---	---	---	1	---	---
104'X'+13 - 108'X'+25		CTH X SE Quad, RT	---	---	412.5	---	---	---	---
108'X'+75		CTH X SE Quad, RT	---	---	---	---	1	---	---
101'X'+23.5- 101'X'+42.5		CTH X NE Quad, LT	---	19	---	---	---	---	---
101'X'+42.5- 102'X'+80		CTH X NE Quad, LT	---	---	137.5	---	---	---	---
102'X'+80 - 103'X'+10		CTH X NE Quad, LT	---	---	---	37.5	---	---	---
103'X'+10		CTH X NE Quad, LT	---	---	---	---	---	1	---
104'X'+38		CTH X NE Quad, LT	---	---	---	---	1	---	---
104'X'+88 109'X'+00		CTH X NE Quad, LT	---	---	412.5	---	---	---	---
109'X'+50		CTH X NE Quad, LT	---	---	---	---	1	---	---
TOTALS:			3	185	3100	37.5	19	1	

3

3

GRADING SHAPING & FINISHING FOR BARRIER TERMINALS

STATION LOCATION POST #1	* EXCAVATION COMMON CY	* BORROW (FILL)	* FERT. TYPE B CWT	* SEEDING LB	* MULCHING SY	ITEM 205.9006.S EACH
151+62.5 RT	8	---	0.08	3.5	130	1
152+06.5 LT	6	---	0.02	1	35	1
207+47 LT	7.5	---	0.02	1	35	1
208+07 RT	---	---	---	---	---	1
232+48 RT	6	---	0.02	0.5	25	1
283+63 RT	5.5	---	0.02	0.5	25	1
296+29.5 LT	4	---	0.06	2.5	100	1
296+83.5 RT	9	---	0.07	3	115	1
376+82.5 RT	4	---	0.02	0.5	25	1
423+25 RT	---	---	---	---	---	1
449+25 RT	9	---	0.03	1	45	1
530+49.5 RT	4	---	0.02	0.5	25	1
532+71.5 LT	---	---	---	---	---	1
608+05 RT	5	---	0.03	1	45	1
101'X'+86 RT	---	---	---	---	---	1
103'X'+63 RT	4	---	0.02	0.5	25	1
108'X'+75 RT	8	---	0.07	3	115	1
103'X'+10 LT	5	---	0.05	2	80	1
104'X'+38 LT	10	---	1.00	4.5	155	1
109'X'+50 LT	8	---	0.07	3	115	1
TOTALS:	103	**	1.6	28	1095	20

* ITEMS AND QUANTITIES LISTED FOR BID INFORMATION ONLY. SEEDING QUANTITIES ARE FOR BOTH MIXTURE NO. 20 AND TEMPORARY **SEE BAD 1 1/4-INCH ITEM FOR FILL QUANTITIES

EROSION CONTROL ITEMS

LOCATION	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTEN. LF	628.2004 E-MAT CLASS 1 TYPE B SY	628.7005 INLET PROTECTION TYPE A EACH	628.7555 CULVERT PIPE CHECKS EACH
STILLSON CREEK LT	---	270	270	---	---	---
STILLSON CREEK RT	---	280	280	---	---	---
PAINT CREEK LT	---	260	260	---	---	---
PAINT CREEK RT	---	220	220	---	---	---
195TH STREET	---	170	170	32	---	2
UNDISTRIBUTED	20	150	150	500	3	---
TOTALS:	20	1350	1350	532	3	2

TRAFFIC CONTROL ITEMS

STATION - STATION	STAGE/LOCATION	643.0200 SURVEILLANCE AND MAINTENANCE DAYS	643.0300 DRUMS DAYS	643.0420 BARRICADES TYPE III DAYS	643.0705 WARNING LIGHTS TYPE A DAYS	643.0715 WARNING LIGHTS TYPE C DAYS	643.0800 ARROW BOARDS DAYS	643.0900 SIGNS DAYS	643.0905.S COVERING SIGNS EACH	646.0600 REMOVING PAVEMENT MARKINGS LF	649.0400 TEMP. PV.MT. MARKING REMOVABLE TAPE 4-INCH LF	649.0801 TEMP. PV.MT. MARKING REMOVABLE TAPE 8-INCH LF	SPV.0045.01 PORTABLE CMS REMOTE CONTROL DAYS
134+64 - 293+00	STAGE 1 PASSING LANE WORK ZONE	18	4320	288	---	450	36	918	1	250	800	---	18
293+00- 451+50	STAGE 1A PASSING LANE WORK ZONE	18	3132	234	---	360	36	738	---	250	800	---	18
451+50 - 610+89	STAGE 1B PASSING LANE WORK ZONE	18	3132	234	---	360	36	738	1	250	800	---	18
134+64 - 293+00	STAGE 2 DRIVING LANE WORK ZONE	22	5280	352	---	550	44	1122	---	250	800	---	22
293+00- 451+50	STAGE 2A DRIVING LANE WORK ZONE	22	3828	286	---	440	44	902	---	250	800	---	22
451+50 - 610+89	STAGE 2B DRIVING LANE WORK ZONE	22	3828	286	---	440	44	902	1	250	800	---	22
414'C'+00 - 426'C'+00	CTH X OFF-RAMP & LANE CLOSURE	---	400	5	---	100	---	20	1	650	870	600	---
427'D'+00 -440'D'+00	CTH X ON-RAMP & LANE CLOSURE	---	335	5	---	100	---	20	---	550	680	400	---
597'L'+00 -611'L'+00	STH 27 OFF-RAMP & LANE CLOSURE	---	405	10	---	100	---	20	1	100	300	400	---
611'M'+50 - 625'M'+00	STH 27 ON-RAMP & LANE CLOSURE	---	505	15	---	100	---	45	---	200	450	400	---
99'X'+00 - 105'X'+00	CTH X OVERPASS	---	50	---	---	---	---	10	---	---	---	---	---
101+00 - 103+00	195TH STREET, B-9-36 WING WALLS	---	---	240	480	---	---	210	---	---	---	---	---
	UNDISTRIBUTED	---	800	100	100	100	---	200	2	150	500	200	---
TOTALS:		120	26015	2055	580	3100	240	5845	7	3150	7600	2000	120

CONCRETE CURB AND GUTTER 6-INCH SLOPED 36-INCH TYPE D
CONSTRUCTION STAKING CURB & GUTTER

STATION - STATION	LOCATION	CONCRETE CURB & GUTTER 601.0557 LF	STAKING CURB & GUTTER 650.5500 LF
610'L'+51 - 610'L'+98	RT, STH 27 OFF-RAMP	63	63
611'M'+50 - 612'M'+00	RT, STH 27 ON-RAMP	66	66
611'M'+67 - 611'M'+84	LT, STH 27 ON-RAMP	40	40
TOTALS:		169	169

SALVAGED RAIL
REPLACING GUARDRAIL POSTS AND BLOCKS
REPLACING GUARDRAIL RAIL AND HARDWARE

STATION - STATION	LOCATION	614.0920 SALVAGED RAIL LF	614.0950 REPLACING GUARDRAIL POSTS & BLOCKS EACH	614.0951 REPLACING GUARDRAIL RAIL AND HARDWARE LF
300+20 - 304+90	RT	---	---	50 *
535+20 - 539+80	RT	---	---	50 *
101+38 - 101+96	RT, 195TH ST.	33	8	---
101+38 - 101+96	LT, 195TH ST.	33	8	---
UNDISTRIBUTED	PROJECT	---	12 *	50 *
* DENOTES CATEGORY 0030	TOTALS:	66	28	150

PIPE UNDERDRAIN ITEMS

LOCATION	612.0106 6-INCH LF	612.0206 UNPERFORATED 6-INCH LF	612.0406 WRAPPED 6-INCH LF	612.0806 APRON END. REINF. CONC. EACH	645.0111 GEOTEXTILE FABRIC TYPE DF SY
307+20 - 309+20	400	40	---	2	220
STRUC. B-9-36 WINGS	---	24	24	2	---
UNDISTRIBUTED	200	40	6	2	110
TOTALS:	600	104	30	6	330

LANDSCAPE ITEMS

LOCATION	627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0120 SEEDING MIX. NO. 20 LB	630.0200 SEEDING TEMPORARY LB
UNDISTRIBUTED	900	0.5	25	25
TOTALS:	900	0.5	25	25

MAINTENANCE AND REPAIR OF HAUL ROADS
PROJECT 1050-01-64

LOCATION PROJECT	618.0100 EACH 1
TOTAL:	1

MOBILIZATION

LOCATION ROADWAY STRUCTURE B-9-36	CATEGORY 0010 0020	619.1000 EACH 0.9 0.1
TOTAL:		1

MOBILIZATIONS EROSION CONTROL

LOCATION PROJECT PROJECT	STAGE 1 2	628.1905 EACH 1 1
TOTAL:		2

MOBILIZATIONS EMERGENCY EROSION CONTROL

LOCATION PROJECT PROJECT	STAGE 1 2	628.1910 EACH 1 1
TOTAL:		2

FIELD OFFICE TYPE C

LOCATION PROJECT	642.5201 EACH 1
TOTAL:	1

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

APPROX. STATION / LOCATION	SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.0101 SIGNS TYPE I SF	637.0202 SIGNS TYPE II REFLECTIVE SF	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	635.0300 SIGN SUPPORTS REPLACING BASE CONNECT. BOLTS EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2601 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
136+26 LT	5	R4-3	SLOWER TRAFFIC KEEP RIGHT	48 X 60	---	20.00	---	2	---	---	---	1	1	
138+90 RT	7	J4-1	EAST	36 X 51	---	12.75	---	1	---	---	---	---	1	
151+20 RT	9	R2-1	29 (State Route Marker)	48 X 60	---	20.00	---	2	---	---	---	1	2	
169+52 LT	11	R3-4B	SPEED LIMIT 65	36 X 48	---	12.00	---	1	---	---	---	2	1	REMOVE EXISTING 2 SIGNS WITH SAME MESSAGE
171+60 RT	13	D10-2	NO U TURN MAINTENANCE CROSSOVER VEHICLES	12 X 36	---	3.00	1	---	---	---	---	1	1	
191+03 RT	15	R8-7	MILE 83	48 X 36	---	12.00	---	2	---	---	---	1	1	
224+30 RT	17	D10-2	EMERGENCY STOPPING ONLY	12 X 36	---	3.00	1	---	---	---	---	1	1	
101+40 LT	19	W5-52R	MILE 84	12 X 36	---	3.00	1	---	---	---	---	1	1	SIGN AT NORTHWEST WING OF B-9-36 ON 195TH STREET
101+40 RT	21	W5-52L	Clearance Marker Right	12 X 36	---	3.00	1	---	---	---	---	1	1	SIGN AT NORTHEAST WING OF B-9-36 ON 195TH STREET
273+60 LT	23	R3-4B	Clearance Marker Left	12 X 36	---	3.00	1	---	---	---	---	1	1	REMOVE EXISTING 2 SIGNS WITH SAME MESSAGE
277+00 RT	25	D10-2	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	1	---	---	---	2	1	
285+85 RT	27	M1-94	MILE 85	12 X 36	---	3.00	1	---	---	---	---	1	1	
329+74 RT	31	D10-2	Hwy K	54 X 21	---	7.88	2	---	---	---	---	1	2	
364+05 RT	33	E1-1A	MILE 86	12 X 36	---	3.00	1	---	---	---	---	1	1	
		E1-5	X (County Route Shield) 1 MILE	132 X 84	77.00	---	---	2	---	---	1	---	---	REPLACE EACH BASE BOLT ON EXIST. TYPE 1 SIGN SUPPORTS
382+16 RT	37	D10-2	EXIT 87	108 X 30	22.50	---	---	---	---	---	1	---	---	
395+40 LT	39	R3-4B	MILE 87	12 X 36	---	3.00	1	---	---	---	---	1	1	
412+00 RT	41	E4-1A	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	1	---	---	---	2	1	REMOVE EXISTING 2 SIGNS WITH SAME MESSAGE
		E1-5	X (County Route Shield) Diagonal Arrow Right	132 X 60	55.00	---	---	2	---	---	1	---	---	REPLACE EACH BASE BOLT ON EXIST. TYPE 1 SIGN SUPPORTS
418+22 RT	43	E5-1A	EXIT 87	108 X 30	22.50	---	---	---	---	---	1	---	---	
418'C+72 RT	45	W3-1	EXIT 87 Diagonal Arrow Right	72 X 60	---	30.00	---	2	---	---	---	1	2	
422'C+37 RT	47	D1-1	Stop Ahead symbol	48 x 48	---	16.00	---	2	---	---	---	1	1	
422'C+37 RT	49	R5-1A	Cadott (Right arrow)	54 x 15	---	5.63	---	2	---	---	---	1	2	
422'C+37 LT	51	R5-1A	WRONG WAY	42 X 30	---	8.75	---	---	---	---	---	1	---	INSTALL SIGN ON SAME POST OPPOSITE SIGN NO. 47
423+02 RT	53	W4-1	WRONG WAY	42 X 30	---	8.75	---	---	---	---	---	1	1	
427'D+63 RT	55	R5-57	Merging Traffic Right	48 x 48	---	16.00	2	---	---	---	---	1	2	
425'C+07 RT	57	M1-85	PEDESTRIANS BICYCLES NON MOTORIZED TRAF...	36 X 36	---	9.00	1	---	---	---	---	1	1	
425'C+07 RT	59	M1-85D	HERITAGE Wisconsin logo	24 X 24	---	4.00	1	---	---	---	---	1	1	
425'C+07 RT	61	R5-1	CABIN RIDGE RIDES #247 (Right arrow)	24 X 12	---	2.00	---	---	---	---	---	1	---	INSTALL SIGN ON SAME POST BELOW SIGN NO. 57
425'C+07 LT	63	R5-1	DO NOT ENTER	36 X 36	---	9.00	---	---	---	---	---	1	---	INSTALL SIGN ON SAME POST OPPOSITE SIGNS NO. 57 & 59
100'X+90 RT	65	W5-52L	DO NOT ENTER	36 X 36	---	9.00	1	---	---	---	---	1	1	
101'X+20 LT	67	W5-52R	Clearance Marker Left	12 X 36	---	3.00	1	---	---	---	---	1	1	
101'X+52 LT	69	D1-1	Clearance Marker Right	12 X 36	---	3.00	1	---	---	---	---	1	1	
			Chippewa Falls (Left arrow)	96 X 15	---	10.00	2	---	---	---	---	1	2	
101'X+68 RT	71	J3-1	EAST	---	---	---	---	---	---	---	---	1	---	
			29 (State Route Marker)	24 X 57	---	9.50	---	1	---	---	---	1	1	
101'X+80 RT	73	R3-1	Left Arrow	---	---	---	---	---	---	---	---	1	---	
101'X+80 RT	75	R3-2	NO RIGHT TURN	24 X 24	---	4.00	1	---	---	---	---	1	1	
425'C+68 LT	77	R1-1	NO LEFT TURN	24 X 24	---	4.00	---	---	---	---	---	1	---	INSTALL SIGN ON SAME POST OPPOSITE SIGN NO. 73
426'C+03 RT	79	R1-1	STOP	36 X 36	---	7.46	1	---	---	---	---	1	1	INSTALL SIGN IN ASPHALT ISLAND
425'C+77 LT	81	J13-1	STOP	36 X 36	---	7.46	1	---	---	---	---	1	1	INSTALL SIGN IN ASPHALT ISLAND
			X (County Route Marker)	24 X 45	---	7.50	1	---	---	---	---	1	1	
			Directional Arrow (RIGHT & LEFT)	---	---	---	---	---	---	---	---	1	---	
104'X+33 LT	83	J3-1	EAST	---	---	---	---	---	---	---	---	1	---	
			29 (State Route Marker)	24 X 57	---	9.50	---	1	---	---	---	1	1	
			Left Arrow	---	---	---	---	---	---	---	---	1	---	
104'X+33 LT	85	J3-1	EAST	---	---	---	---	---	---	---	---	1	---	INSTALL SIGN ASSEMBLY FACING WB CTH X TRAFFIC ON SAME
			29 (State Route Marker)	24 X 57	---	9.50	---	---	---	---	---	1	---	POST OPPOSITE SIGN NO. 83
104'X+43 LT	87	R3-2	Right Arrow	---	---	---	---	---	---	---	---	1	---	
			NO LEFT TURN	24 X 24	---	4.00	---	---	---	---	---	1	1	
SHEET TOTALS					177.00	326.68	17	23	4	0	4	47	39	NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

3

APPROX. STATION / LOCATION	SIGN NUMBER	SIGN CODE	SIGN MESSAGE	SIGN SIZE W X H (INCHES)	637.0101 SIGNS TYPE I SF	637.0202 SIGNS TYPE II REFLECTIVE S.F.	634.0614 POSTS WOOD 4X6-INCH X 14-FT EACH	634.0616 POSTS WOOD 4X6-INCH X 16-FT EACH	635.0300 SIGN SUPPORTS REPLACING BASE CONNECT. BOLTS EACH	638.2102 MOVING SIGNS TYPE II EACH	638.26021 REMOVING SIGNS TYPE I EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
105'X'+03 RT	89	J4-1	EAST X (County Route Marker)	24 X 36	---	6.00	1	---	---	---	---	1	1	
109'X'+05 LT	91	J1-1	JCT 29 (State Route Marker)	24 X 39	---	6.50	1	---	---	---	---	1	1	
443+10 RT	95	D10-2	MILE 88	12 X 36	---	3.00	1	---	---	---	---	1	1	
451+56 RT	97	M1-94	Hwy XX	60 X 21	---	8.75	2	---	---	---	---	1	1	
461+25 RT	99	J4-1	EAST 29 (State Route Marker)	36 X 51	---	12.75	---	1	---	---	---	---	1	
461+80 LT	101	R3-4B	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	1	---	---	---	1	1	
471+00 RT	103	R2-1	SPEED LIMIT 65	48 X 60	---	20.00	---	2	---	---	---	1	2	
481+00 RT	105	D2-3	Cadott 3 Abbotsford 43 Wausau 78	192 X 84	112.00	---	---	---	2	---	1	---	---	REPLACE EACH BASE BOLT ON EXIST. TYPE 1 SIGN SUPPORTS
486+65 RT	107	D10-2	MILE 89	12 X 36	---	3.00	1	---	---	---	---	1	1	
532+95 RT	111	M1-94	Hwy X	54 X 21	---	7.88	2	---	---	---	---	1	1	
541+21 RT	113	D10-2	MILE 90	12 X 36	---	3.00	1	---	---	---	---	1	1	
549+07 RT	115	E1-1A	27 (State Route Shield) Cadott Augusta 1 MILE	168 X 162	189.00	---	---	---	2	---	1	---	---	REPLACE EACH BASE BOLT ON EXIST. TYPE 1 SIGN SUPPORTS
		E1-5	EXIT 91	108 X 30	22.50	---	---	---	---	---	1	---	---	
559+75 RT	119	E3-1	Wisconsin Veterans Tribute EXIT 91	240 X 84	140.00	---	---	---	2	---	1	---	---	REPLACE EACH BASE BOLT ON EXIST. TYPE 1 SIGN SUPPORTS
589+33 LT	121	R3-4B	NO U TURN MAINTENANCE CROSSOVER VEHICLES	36 X 48	---	12.00	---	1	---	---	---	1	1	
593+60 RT	123	D10-2	MILE 91	12 X 36	---	3.00	1	---	---	---	---	1	1	
597+00 RT	125	E4-1A	27(State Rte. Shield) Cadott Augusta (diagonal rt. arrow)	204 X 132	187.00	---	---	---	2	---	1	---	---	REPLACE EACH BASE BOLT ON EXIST. TYPE 1 SIGN SUPPORTS
		E1-5	EXIT 91	108 X 30	22.50	---	---	---	---	---	1	---	---	
602+75 RT	127	E5-1A	EXIT 87 Diagonal Arrow Right	72 X 60	---	30.00	---	2	---	---	---	1	2	
604'L'+82 RT	129	W3-1	Stop Ahead symbol	48 x 48	---	16.00	---	2	---	---	---	1	1	
608'L'+43 LT	131	D1-2	Cadott Cornell (Left Arrow)	60 X 24	---	10.00	---	2	---	---	---	1	2	
608'L'+43 RT	133	D1-3	Augusta (right arrow) Wis Vets Tribute (right arrow)	66 X 36	---	16.50	---	2	---	---	---	1	2	
608'L'+43 RT	135	R5-1A	WRONG WAY	42 X 30	---	8.75	---	---	---	---	---	1	---	INSTALL SIGN ON SAME POST OPPOSITE SIGN NO. 133
608'L'+43 LT	137	R5-1A	WRONG WAY	42 X 30	---	8.75	---	---	---	---	---	1	---	INSTALL SIGN ON SAME POST OPPOSITE SIGN NO. 131
608+95 RT	139	W4-1	Merging Traffic Right	48 x 48	---	16.00	---	2	---	---	---	1	2	
613'M+05 RT	141	---	PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC...	---	---	---	---	---	---	1	---	---	---	
		---	NO PARKING ON RAMP	---	---	---	---	---	---	---	---	---	---	
615'M+06 RT	143	R5-57	PEDESTRIANS BICYCLES NON MOTORIZED TRAFFIC...	36 X 36	---	9.00	1	---	---	---	---	1	1	
SHEET TOTALS					673.00	212.88	11	15	8	1	6	21	23	
														NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.
PROJECT SIGNING ITEMS TOTALS:					850.00	539.56	28	38	12	1	10	68	62	

3

PAVEMENT MARKING ITEMS

STATION - STATION
413+84 - 417+38
413'C+83 - 417'C+328
417'C+38 - 425'C+58
412'C+09 - 426'C+09
425'C+60 - 425'C+70
425'C+77
425'C+90
426'D+50 - 432'D+78
427'D+00 - 445'D+22
432'D+78 - 439'D+75 -
432+30 - 439+29
598+81 - 602+08
598'L+83 - 602'L+10
602'L+10 - 610'L+86
597'L+04 - 610'L+95
609'L+99 - 610'L+53
610'L+83
610'L+83
611'M+70 - 618'M+66
611'M+65 - 624'M+73
618'M+66 - 625'M+90
99'X+58 - 104'X+50
99'X+58 - 101'X+80
102'X+85 - 104'X+50
99'X+58 - 102'X+95
104'X+00 - 104'X+50
134+60 - 610+89
135+89 - 610+89
134+60 - 610+89
412+08 - 413+84
597+00 - 598+83
UNDISTRIBUTED

LOCATION
STH 29 RT @ CTH X
CTH X OFF-RAMP LT
CTH X OFF-RAMP LT
CTH X OFF-RAMP RT
CTH X OFF-RAMP ISLAND
CTH X OFF-RAMP LT
CTH X OFF-RAMP RT
CTH X ON-RAMP LT
CTH X ON-RAMP RT
CTH X ON-RAMP LT
STH 29 RT @ CTH X
STH 29 RT @ STH 27
STH 27 OFF-RAMP LT
STH 27 OFF-RAMP LT
STH 27 OFF-RAMP RT
STH 27 OFF-RAMP RT
STH 27 OFF-RAMP ISLAND
STH 27 OFF-RAMP RT
STH 27 OFF-RAMP LT
STH 27 ON-RAMP LT
STH 27 ON-RAMP RT
STH 27 ON-RAMP LT
CTH X CENTERLINE (DOUBLE)
CTH X RT
CTH X RT
CTH X LT
CTH X LT
STH 29 RT EDGELINE
STH 29 LT EDGELINE
LANE LINE SKIPS
EDGE EXTENSION SKIPS
EDGE EXTENSION SKIPS
STH 29

646.0106 4-INCH EPOXY		646.0126 8-INCH EPOXY	646.0805.S OUTFALL EACH	647.0566 STOP LINE EPOXY	647.0803 AERIAL ENFORC. BARS
(YELLOW)	(WHITE)	LF	LF	LF	LF
---	---	---	---	---	---
---	---	354	---	---	---
---	---	355	---	---	---
820	---	---	---	---	---
---	1400	---	---	---	---
---	---	20	---	---	---
---	---	---	---	47	---
---	---	---	---	30	---
628	---	---	---	---	---
---	1822	---	---	---	---
---	---	697	---	---	---
---	---	699	---	---	---
---	---	327	---	---	---
---	---	327	---	---	---
876	---	---	---	---	---
---	1391	---	---	---	---
---	---	108	---	---	---
---	---	---	---	18	---
---	---	---	---	24	---
692	---	---	---	---	---
---	1308	---	---	---	---
---	---	724	---	---	---
984	---	---	---	---	---
---	222	---	---	---	---
---	165	---	---	---	---
---	337	---	---	---	---
---	50	---	---	---	---
---	47625	---	---	---	---
47625	---	---	---	---	---
---	11906	---	---	---	---
---	35	---	---	---	---
---	37	---	---	---	---
---	---	---	4	---	30

SUB-TOTALS: 51625 66298

TOTALS: 117923 3611 4 119 30 *

*RE-MARK EXISTING AERIAL ENFORCEMENT BARS NEAR 220TH ST.

DELINEATOR POSTS STEEL
DELINEATOR REFLECTORS

		633.0100 POSTS	633.0500 REFLECTORS
RAMP	LOCATION	EACH	EACH
CTH X OFF-RAMP	RT & LT	11	11
CTH X ON-RAMP	RT & LT	17	17
STH 27 OFF-RAMP	RT & LT	13	13
STH 27 ON-RAMP	RT & LT	15	15
TOTALS:		56	56

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL
PROJECT 1050-01-64

LOCATION	650.9910 LS
STH 29	1
TOTAL:	1

CONSTRUCTION STAKING RESURFACING REFERENCE

		650.8000 RESURFACING REFERENCE
STATION - STATION	LOCATION	LF
134+64 - 610+89	STH 29	47108
417'C+91 - 426'C+14	CTH X OFF-RAMP	823
427'D+70 - 432'D+87	CTH X ON-RAMP	517
602'L+96 - 610'L+92	STH 27 OFF-RAMP	796
611'M+58 - 618'M+66	STH 27 ON-RAMP	708
100'X+97 - 104'X+42	CTH X	345
TOTAL:		50297

CONSTRUCTION STAKING STRUCTURE LAYOUT
STRUCTURE B-09-0036

LOCATION	CATEGORY	650.6500 LS
B-9-36 WING WALLS	0020	1
TOTAL:		1

CONCRETE CURB AND GUTTER CURE AND SEAL TREATMENT

		SPV.0090.02 LF
STATION - STATION	LOCATION	LF
610'L+51 - 610'L+98	RT, STH 27 OFF-RAMP	63
611'M+50 - 612'M+00	RT, STH 27 ON-RAMP	66
611'M+67 - 611'M+84	LT, STH 27 ON-RAMP	40
TOTAL:		169

PREPARE FOUNDATION FOR ASPHALTIC PAVING SPECIAL

		SPV.0105.01 LS
LOCATION		LS
PROJECT RAMPS		1
TOTAL:		1

GEOGRID REINFORCEMENT

		SPV.0180.02 SY
STATION - STATION	LOCATION	SY
307+20 - 309+20	STH 29	622
TOTAL:		622

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET
ARE ENGINEER ESTIMATE CATEGORY 0010,
UNLESS OTHERWISE NOTED.

3

3

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE
ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE PAVEMENT REPAIR ITEMS

* SUB-TOTAL ONLY - FOR ADDITIONAL ITEM QUANTITIES
SEE NEXT SHEET AND CONCRETE PAVEMENT REPLACEMENT SHEET

SPV.0035.01					
CONC. PAVEMENT	416.0610	416.0620	690.0150	690.0250	
REPAIR SPECIAL	DRILLED	DRILLED	SAWING	SAWING	
(DRIVING LANE)	TIE BARS	DOWELS	ASPHALT	CONCRETE	
STATION	CY	EACH	EACH	LF	LF
139+89	2.7	1	20	6	34
141+04	2.7	1	20	6	34
141+77	2.7	1	20	6	34
153+11	2.7	1	20	6	34
156+54	4.9	3	20	11	39
159+74	2.7	1	20	6	34
160+52	2.7	1	20	6	34
163+01	2.7	1	20	6	34
166+61	2.7	1	20	6	34
166+79	2.7	1	20	6	34
168+54	2.7	1	20	6	34
169+47	2.7	1	20	6	34
170+04	2.7	1	20	6	34
170+84	2.7	1	20	6	34
172+34	2.7	1	20	6	34
172+51	2.7	1	20	6	34
175+17	2.7	1	20	6	34
175+64	2.7	1	20	6	34
176+41	2.7	1	20	6	34
177+17	2.7	1	20	6	34
179+42	2.7	1	20	6	34
186+74	2.7	1	20	6	34
188+76	2.7	1	20	6	34
190+66	2.7	1	20	6	34
192+64	2.7	1	20	6	34
193+98	2.7	1	20	6	34
196+84	2.7	1	20	6	34
197+13	2.7	1	20	6	34
199+87	2.7	1	20	6	34
200+64	2.7	1	20	6	34
201+38	2.7	1	20	6	34
202+55	2.7	1	20	6	34
207+15	2.7	1	20	6	34
209+02	2.7	1	20	6	34
212+03	2.7	1	20	6	34
214+13	6.2	5	20	14	42
218+15	2.7	1	20	6	34
219+66	2.7	1	20	6	34
221+53	2.7	1	20	6	34
221+92	2.7	1	20	6	34
224+20	2.7	1	20	6	34
224+92	2.7	1	20	6	34
228+34	2.7	1	20	6	34
229+49	2.7	1	20	6	34
230+24	2.7	1	20	6	34
231+48	2.7	1	20	6	34
233+82	2.7	1	20	6	34
236+53	2.7	1	20	6	34
237+76	2.7	1	20	6	34
240+98	2.7	1	20	6	34
243+20	2.7	1	20	6	34
245+05	2.7	1	20	6	34
246+04	2.7	1	20	6	34
246+77	2.7	1	20	6	34
247+52	2.7	1	20	6	34
250+49	2.7	1	20	6	34
251+23	2.7	1	20	6	34
SUB-TOTALS:	173.7	* 68	* 1240	* 385	* 2121

SPV.0035.01					
CONC. PAVEMENT	416.0610	416.0620	690.0150	690.0250	
REPAIR SPECIAL	DRILLED	DRILLED	SAWING	SAWING	
(DRIVING LANE)	TIE BARS	DOWELS	ASPHALT	CONCRETE	
STATION	CY	EACH	EACH	LF	LF
252+00	5.7	4	20	13	41
253+94	2.7	1	20	6	34
254+32	2.7	1	20	6	34
262+49	2.7	1	20	6	34
268+93	2.7	1	20	6	34
269+48	2.7	1	20	6	34
275+02	2.7	1	20	6	34
277+94	4.0	3	20	9	37
278+78	2.7	1	20	6	34
280+65	2.7	1	20	6	34
281+38	2.7	1	20	6	34
282+32	2.7	1	20	6	34
282+50	2.7	1	20	6	34
282+86	2.7	1	20	6	34
283+04	2.7	1	20	6	34
283+40	2.7	1	20	6	34
284+34	2.7	1	20	6	34
285+08	2.7	1	20	6	34
285+82	2.7	1	20	6	34
287+27	2.7	1	20	6	34
288+74	2.7	1	20	6	34
288+95	2.7	1	20	6	34
289+12	2.7	1	20	6	34
289+49	2.7	1	20	6	34
289+85	2.7	1	20	6	34
290+24	2.7	1	20	6	34
290+41	2.7	1	20	6	34
291+34	2.7	1	20	6	34
291+49	2.7	1	20	6	34
291+68	2.7	1	20	6	34
292+06	2.7	1	20	6	34
293+56	2.7	1	20	6	34
295+93	2.7	1	20	6	34
297+23	2.7	1	20	6	34
302+87	2.7	1	20	6	34
303+41	2.7	1	20	6	34
304+33	2.7	1	20	6	34
305+06	2.7	1	20	6	34
306+80	2.7	1	20	6	34
309+41	2.7	1	20	6	34
309+77	2.7	1	20	6	34
310+88	2.7	1	20	6	34
311+23	2.7	1	20	6	34
312+72	2.7	1	20	6	34
314+47	2.7	1	20	6	34
314+82	2.7	1	20	6	34
315+32	2.7	1	20	6	34
316+29	2.7	1	20	6	34
319+93	2.7	1	20	6	34
320+31	2.7	1	20	6	34
320+50	2.7	1	20	6	34
320+74	2.7	1	20	6	34
320+86	2.7	1	20	6	34
321+14	2.7	1	20	6	34
321+48	2.7	1	20	6	34
321+79	2.7	1	20	6	34
321+98	2.7	1	20	6	34
SUB-TOTALS:	172.4	* 67	* 1240	* 382	* 2118

SPV.0035.01					
CONC. PAVEMENT	416.0610	416.0620	690.0150	690.0250	
REPAIR SPECIAL	DRILLED	DRILLED	SAWING	SAWING	
(DRIVING LANE)	TIE BARS	DOWELS	ASPHALT	CONCRETE	
STATION	CY	EACH	EACH	LF	LF
322+53	2.7	1	20	6	34
322+53	2.7	1	20	6	34
322+53	2.7	1	20	6	34
323+84	2.7	1	20	6	34
338+92	2.7	1	20	6	34
340+00	2.7	1	20	6	34
340+18	2.7	1	20	6	34
341+63	2.7	1	20	6	34
342+76	2.7	1	20	6	34
343+47	2.7	1	20	6	34
344+19	2.7	1	20	6	34
347+50	2.7	1	20	6	34
349+31	2.7	1	20	6	34
349+71	2.7	1	20	6	34
350+06	2.7	1	20	6	34
351+88	2.7	1	20	6	34
352+25	2.7	1	20	6	34
358+12	2.7	1	20	6	34
359+28	4.9	3	20	11	39
359+53	2.7	1	20	6	34
360+49	2.7	1	20	6	34
361+23	2.7	1	20	6	34
367+60	2.7	1	20	6	34
368+10	2.7	1	20	6	34
368+34	2.7	1	20	6	34
368+72	2.7	1	20	6	34
370+90	2.7	1	20	6	34
371+44	2.7	1	20	6	34
371+63	2.7	1	20	6	34
373+68	2.7	1	20	6	34
374+00	2.7	1	20	6	34
374+16	2.7	1	20	6	34
376+02	2.7	1	20	6	34
377+75	2.7	1	20	6	34
378+93	2.7	1	20	6	34
379+29	2.7	1	20	6	34
379+43	2.7	1	20	6	34
380+40	2.7	1	20	6	34
380+75	2.7	1	20	6	34
383+68	2.7	1	20	6	34
384+04	2.7	1	20	6	34
384+59	2.7	1	20	6	34
384+77	2.7	1	20	6	34
385+30	2.7	1	20	6	34
389+48	2.7	1	20	6	34
389+70	2.7	1	20	6	34
391+17	2.7	1	20	6	34
391+35	2.7	1	20	6	34
391+50	2.7	1	20	6	34
391+69	2.7	1	20	6	34
393+44	2.7	1	20	6	34
393+63	2.7	1	20	6	34
393+89	2.7	1	20	6	34
SUB-TOTALS:	159.4	* 60	* 1160	* 353	* 1977

3

PROJECT NO: 1050-01-64

HWY: STH 29 EB

COUNTY: CHIPPEWA

MISCELLANEOUS QUANTITIES

SHEET

E

3

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE
ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE PAVEMENT REPAIR ITEMS

* SUB-TOTAL ONLY - FOR ADDITIONAL ITEM QUANTITIES
SEE NEXT SHEET AND CONCRETE PAVEMENT REPLACEMENT SHEET

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (DRIVING LANE)		416.0610 DRILLED TIE BARS	416.0620 DRILLED DOWELS	690.0150 SAWING ASPHALT	690.0250 SAWING CONCRETE
STATION	CY	EACH	EACH	LF	LF
394+99	2.7	1	20	6	34
395+84	2.7	1	20	6	34
396+01	2.7	1	20	6	34
397+01	2.7	1	20	6	34
398+46	2.7	1	20	6	34
398+65	2.7	1	20	6	34
398+82	2.7	1	20	6	34
399+01	2.7	1	20	6	34
400+10	2.7	1	20	6	34
400+28	2.7	1	20	6	34
400+66	2.7	1	20	6	34
402+30	2.7	1	20	6	34
406+30	2.7	1	20	6	34
406+86	2.7	1	20	6	34
404+04	2.7	1	20	6	34
408+14	2.7	1	20	6	34
410+33	2.7	1	20	6	34
410+53	2.7	1	20	6	34
410+69	2.7	1	20	6	34
410+87	2.7	1	20	6	34
411+42	2.7	1	20	6	34
411+61	2.7	1	20	6	34
412+15	2.7	1	20	6	34
412+52	2.7	1	20	6	34
413+06	2.7	1	20	6	34
413+27	2.7	1	20	6	34
413+60	2.7	1	20	6	34
413+80	2.7	1	20	6	34
415+07	2.7	1	20	6	34
415+27	2.7	1	20	6	34
415+78	2.7	1	20	6	34
416+16	2.7	1	20	6	34
416+52	2.7	1	20	6	34
416+73	2.7	1	20	6	34
417+45	2.7	1	20	6	34
417+63	2.7	1	20	6	34
418+19	2.7	1	20	6	34
419+09	2.7	1	20	6	34
420+00	2.7	1	20	6	34
420+16	2.7	1	20	6	34
420+46	2.7	1	20	6	34
421+11	2.7	1	20	6	34
421+65	2.7	1	20	6	34
421+82	2.7	1	20	6	34
422+00	2.7	1	20	6	34
422+17	2.7	1	20	6	34
422+91	2.7	1	20	6	34
423+09	2.7	1	20	6	34
423+98	2.7	1	20	6	34
425+29	2.7	1	20	6	34
425+65	2.7	1	20	6	34
426+29	2.7	1	20	6	34
429+66	2.7	1	20	6	34
433+13	2.7	1	20	6	34
433+49	2.7	1	20	6	34
435+12	2.7	1	20	6	34
435+57	5.7	5	20	13	41
435+78	5.3	4	20	12	40
436+58	2.7	1	20	6	34
436+78	2.7	1	20	6	34
436+94	2.7	1	20	6	34

SUB-TOTALS: 171.0 * 68 * 1220 * 379 * 2087

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (DRIVING LANE)		416.0610 DRILLED TIE BARS	416.0620 DRILLED DOWELS	690.0150 SAWING ASPHALT	690.0250 SAWING CONCRETE
STATION	CY	EACH	EACH	LF	LF
438+50	2.7	1	20	6	34
439+32	2.7	1	20	6	34
439+48	3.6	2	20	8	36
439+85	2.7	1	20	6	34
440+60	4.0	3	20	9	37
441+30	3.1	2	20	7	35
442+04	2.7	1	20	6	34
442+52	2.7	1	20	6	34
442+76	2.7	1	20	6	34
444+21	2.7	1	20	6	34
444+95	2.7	1	20	6	34
445+13	2.7	1	20	6	34
445+29	2.7	1	20	6	34
445+69	2.7	1	20	6	34
445+86	2.7	1	20	6	34
446+04	2.7	1	20	6	34
446+21	2.7	1	20	6	34
446+38	2.7	1	20	6	34
446+77	2.7	1	20	6	34
447+12	2.7	1	20	6	34
447+31	2.7	1	20	6	34
447+51	2.7	1	20	6	34
450+73	2.7	1	20	6	34
453+27	2.7	1	20	6	34
453+98	2.7	1	20	6	34
454+88	2.7	1	20	6	34
456+48	2.7	1	20	6	34
457+93	2.7	1	20	6	34
458+64	2.7	1	20	6	34
461+47	2.7	1	20	6	34
462+03	2.7	1	20	6	34
462+93	2.7	1	20	6	34
463+32	2.7	1	20	6	34
464+36	2.7	1	20	6	34
465+10	2.7	1	20	6	34
465+31	6.2	5	20	14	42
465+48	2.7	1	20	6	34
465+67	2.7	1	20	6	34
465+87	2.7	1	20	6	34
466+04	2.7	1	20	6	34
466+23	2.7	1	20	6	34
466+44	2.7	1	20	6	34
466+67	3.1	2	20	7	35
466+96	2.7	1	20	6	34
467+16	2.7	1	20	6	34
467+50	2.7	1	20	6	34
467+69	2.7	1	20	6	34
467+82	4.9	3	20	11	39
468+34	3.6	2	20	8	36
469+16	2.7	1	20	6	34
469+34	2.7	1	20	6	34
469+51	2.7	1	20	6	34
469+71	2.7	1	20	6	34
469+87	2.7	1	20	6	34
470+07	2.7	1	20	6	34
471+17	2.7	1	20	6	34
471+88	2.7	1	20	6	34
472+29	2.7	1	20	6	34
473+53	2.7	1	20	6	34
474+11	2.7	1	20	6	34
474+82	2.7	1	20	6	34

SUB-TOTALS: 174.9 * 73 * 1220 * 388 * 2096

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (DRIVING LANE)		416.0610 DRILLED TIE BARS	416.0620 DRILLED DOWELS	690.0150 SAWING ASPHALT	690.0250 SAWING CONCRETE
STATION	CY	EACH	EACH	LF	LF
478+85	2.7	1	20	6	34
479+02	2.7	1	20	6	34
479+20	2.7	1	20	6	34
479+58	2.7	1	20	6	34
479+82	5.7	4	20	13	41
482+09	2.7	1	20	6	34
482+85	2.7	1	20	6	34
483+05	2.7	1	20	6	34
487+25	2.7	1	20	6	34
487+88	4.4	3	20	10	38
489+07	2.7	1	20	6	34
492+38	2.7	1	20	6	34
493+11	2.7	1	20	6	34
493+60	2.7	1	20	6	34
495+68	2.7	1	20	6	34
497+50	2.7	1	20	6	34
498+96	2.7	1	20	6	34
500+08	2.7	1	20	6	34
501+71	2.7	1	20	6	34
501+89	2.7	1	20	6	34
503+35	2.7	1	20	6	34
504+57	2.7	1	20	6	34
506+29	2.7	1	20	6	34
507+20	2.7	1	20	6	34
508+04	2.7	1	20	6	34
509+21	2.7	1	20	6	34
509+95	2.7	1	20	6	34
510+68	2.7	1	20	6	34
511+04	2.7	1	20	6	34
516+24	4.9	3	20	11	39
516+52	2.7	1	20	6	34
518+72	4.9	3	20	11	39
519+73	2.7	1	20	6	34
520+82	2.7	1	20	6	34
521+02	2.7	1	20	6	34
521+56	2.7	1	20	6	34
522+66	2.7	1	20	6	34
523+21	2.7	1	20	6	34
523+40	2.7	1	20	6	34
523+58	2.7	1	20	6	34
523+75	2.7	1	20	6	34
524+12	2.7	1	20	6	34
524+30	2.7	1	20	6	34
524+48	2.7	1	20	6	34
525+21	2.7	1	20	6	34
525+77	2.7	1	20	6	34
526+67	2.7	1	20	6	34
527+40	2.7	1	20	6	34
535+99	3.6	2	20	8	36
536+44	2.7	1	20	6	34
536+62	2.7	1	20	6	34
537+18	2.7	1	20	6	34
537+36	2.7	1	20	6	34
538+09	2.7	1	20	6	34
538+30	2.7	1	20	6	34
539+18	2.7	1	20	6	34
541+00	2.7	1	20	6	34
541+40	2.7	1	20	6	34
541+94	2.7	1	20	6	34
546+11	2.7	1	20	6	34

SUB-TOTALS: 172.6 * 70 * 1200 * 383 * 2063

PROJECT NO: 1050-01-64

HWY: STH 29 EB

COUNTY: CHIPPEWA

MISCELLANEOUS QUANTITIES

SHEET

E

3

3

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE
ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE PAVEMENT REPAIR ITEMS

* SUB-TOTAL ONLY - FOR ADDITIONAL ITEM QUANTITIES
SEE NEXT SHEET AND CONCRETE PAVEMENT REPLACEMENT SHEET

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (DRIVING LANE)		416.0610 DRILLED TIE BARS	416.0620 DRILLED DOWELS	690.0150 SAWING ASPHALT	690.0250 SAWING CONCRETE
STATION	CY	EACH	EACH	LF	LF
546+33	2.7	1	20	6	34
547+51	4.9	3	20	11	39
547+80	2.7	1	20	6	34
548+51	2.7	1	20	6	34
549+07	2.7	1	20	6	34
549+25	2.7	1	20	6	34
549+43	2.7	1	20	6	34
549+61	2.7	1	20	6	34
549+82	2.7	1	20	6	34
550+16	2.7	1	20	6	34
550+73	2.7	1	20	6	34
550+91	2.7	1	20	6	34
551+64	2.7	1	20	6	34
552+01	2.7	1	20	6	34
552+38	2.7	1	20	6	34
552+73	2.7	1	20	6	34
554+21	2.7	1	20	6	34
554+56	2.7	1	20	6	34
555+74	4.9	3	20	11	39
556+02	5.7	4	20	13	41
556+21	2.7	1	20	6	34
558+23	2.7	1	20	6	34
560+34	2.7	1	20	6	34
561+71	2.7	1	20	6	34
561+89	2.7	1	20	6	34
562+61	2.7	1	20	6	34
563+17	2.7	1	20	6	34
563+35	2.7	1	20	6	34
564+26	2.7	1	20	6	34
564+64	2.7	1	20	6	34
564+82	2.7	1	20	6	34
565+19	2.7	1	20	6	34
565+36	2.7	1	20	6	34
565+55	2.7	1	20	6	34
565+89	2.7	1	20	6	34
566+11	2.7	1	20	6	34
567+75	2.7	1	20	6	34
568+85	2.7	1	20	6	34
569+58	2.7	1	20	6	34
569+96	2.7	1	20	6	34
570+68	2.7	1	20	6	34
571+04	2.7	1	20	6	34
571+51	2.7	1	20	6	34
572+52	2.7	1	20	6	34
574+36	2.7	1	20	6	34
575+03	2.7	1	20	6	34
576+02	2.7	1	20	6	34
576+22	2.7	1	20	6	34
576+60	2.7	1	20	6	34
578+82	2.7	1	20	6	34
580+66	2.7	1	20	6	34
581+79	2.7	1	20	6	34
582+90	2.7	1	20	6	34
584+49	2.7	1	20	6	34
585+10	2.7	1	20	6	34
586+89	2.7	1	20	6	34
587+35	2.7	1	20	6	34
587+62	2.7	1	20	6	34
588+07	2.7	1	20	6	34
589+54	2.7	1	20	6	34
591+96	2.7	1	20	6	34
593+96	5.7	4	20	13	41
SUB-TOTALS:	178.4	* 72	* 1240	* 396	* 2132

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (DRIVING LANE)		416.0610 DRILLED TIE BARS	416.0620 DRILLED DOWELS	690.0150 SAWING ASPHALT	690.0250 SAWING CONCRETE
STATION	CY	EACH	EACH	LF	LF
595+07	2.7	1	20	6	34
596+57	2.7	1	20	6	34
596+94	2.7	1	20	6	34
597+10	2.7	1	20	6	34
597+30	2.7	1	20	6	34
597+65	2.7	1	20	6	34
599+75	2.7	1	20	6	34
600+65	2.7	1	20	6	34
602+79	5.3	4	20	12	40
603+03	2.7	1	20	6	34
603+67	4.0	3	20	9	37
604+58	2.7	1	20	6	34
604+74	2.7	1	20	6	34
604+97	2.7	1	20	6	34
605+87	2.7	1	20	6	34
606+05	2.7	1	20	6	34
606+24	2.7	1	20	6	34
606+44	2.7	1	20	6	34
606+80	2.7	1	20	6	34
606+97	2.7	1	20	6	34
607+36	2.7	1	20	6	34
607+56	2.7	1	20	6	34
608+09	2.7	1	20	6	34
608+20	2.7	1	20	6	34
608+82	2.7	1	20	6	34
609+93	2.7	1	20	6	34
610+12	2.7	1	20	6	34
610+30	2.7	1	20	6	34
SUB-TOTALS:	79.8	* 33	* 560	* 177	* 961
UNDISTRIBUT.	130	50	910	286	1578
TOTALS FOR DRIVING LANE	1412	* 489	* 9990	* 3129	* 17133

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (PASSING LANE)		416.0610 DRILLED TIE BARS	416.0620 DRILLED DOWELS	690.0150 SAWING ASPHALT	690.0250 SAWING CONCRETE
STATION	CY	EACH	EACH	LF	LF
134+92	2.3	1	16	6	30
141+77	2.3	1	16	6	30
146+39	2.3	1	16	6	30
176+41	2.3	1	16	6	30
178+30	2.3	1	16	6	30
186+75	2.3	1	16	6	30
196+86	2.3	1	16	6	30
199+87	2.3	1	16	6	30
201+42	2.3	1	16	6	30
207+19	2.3	1	16	6	30
212+05	2.3	1	16	6	30
212+94	2.3	1	16	6	30
214+12	2.3	1	16	6	30
214+26	2.3	1	16	6	30
218+18	2.3	1	16	6	30
221+91	2.3	1	16	6	30
SUB-TOTALS:	37.2	* 16	* 256	* 96	* 480

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (PASSING LANE)		416.0610 DRILLED TIE BARS	416.0620 DRILLED DOWELS	690.0150 SAWING ASPHALT	690.0250 SAWING CONCRETE
STATION	CY	EACH	EACH	LF	LF
240+97	2.3	1	16	6	30
246+05	2.3	1	16	6	30
250+51	2.3	1	16	6	30
251+64	3.1	2	16	8	32
252+11	2.3	1	16	6	30
253+96	2.3	1	16	6	30
258+77	2.3	1	16	6	30
261+01	2.3	1	16	6	30
261+46	2.3	1	16	6	30
262+12	2.3	1	16	6	30
262+53	2.3	1	16	6	30
263+55	2.3	1	16	6	30
265+77	2.3	1	16	6	30
268+37	2.3	1	16	6	30
269+48	2.3	1	16	6	30
273+19	2.3	1	16	6	30
275+04	2.3	1	16	6	30
275+38	2.3	1	16	6	30
275+57	2.3	1	16	6	30
277+60	2.3	1	16	6	30
278+78	2.3	1	16	6	30
279+88	2.3	1	16	6	30
280+64	2.3	1	16	6	30
282+82	2.3	1	16	6	30
284+35	2.3	1	16	6	30
285+08	2.3	1	16	6	30
288+81	2.3	1	16	6	30
289+50	2.3	1	16	6	30
290+23	2.3	1	16	6	30
291+50	2.7	2	16	7	31
297+22	2.3	1	16	6	30
303+40	2.3	1	16	6	30
304+31	2.3	1	16	6	30
304+67	2.3	1	16	6	30
305+08	2.3	1	16	6	30
306+80	2.3	1	16	6	30
307+52	2.3	1	16	6	30
308+24	2.3	1	16	6	30
309+40	2.3	1	16	6	30
314+83	2.3	1	16	6	30
319+27	2.3	1	16	6	30
321+14	2.7	2	16	7	31
324+11	2.3	1	16	6	30
325+97	2.3	1	16	6	30
333+36	2.3	1	16	6	30
338+20	2.3	1	16	6	30
338+93	2.3	1	16	6	30
341+63	2.3	1	16	6	30
342+07	2.3	1	16	6	30
344+17	2.3	1	16	6	30
349+29	2.3	1	16	6	30
350+07	2.3	1	16	6	30
357+34	2.3	1	16	6	30
358+12	2.3	1	16	6	30
366+87	2.3	1	16	6	30
369+08	2.3	1	16	6	30
370+18	2.7	2	16	7	31
371+45	2.3	1	16	6	30
374+16	2.3	1	16	6	30
375+10	2.3	1	16	6	30
375+80	2.3	1	16	6	30
376+03	2.3	1	16	6	30
SUB-TOTALS:	145.9	* 66	* 992	* 377	* 1865

3

PROJECT NO: 1050-01-64

HWY: STH 29 EB

COUNTY: CHIPPEWA

MISCELLANEOUS QUANTITIES

SHEET

E

3

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET ARE
ENGINEER ESTIMATE CATEGORY 0010, UNLESS OTHERWISE NOTED.

CONCRETE PAVEMENT REPAIR ITEMS

* SUB-TOTAL ONLY - FOR ADDITIONAL ITEM QUANTITIES
SEE CONCRETE PAVEMENT REPLACEMENT SHEET

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (PASSING LANE)					
STATION	CY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWELS EACH	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
378+94	2.3	1	16	6	30
379+44	2.3	1	16	6	30
381+35	2.3	1	16	6	30
383+38	2.3	1	16	6	30
384+75	2.3	1	16	6	30
385+30	2.3	1	16	6	30
385+85	2.3	1	16	6	30
386+59	2.3	1	16	6	30
387+32	2.3	1	16	6	30
389+93	2.3	1	16	6	30
391+20	2.3	1	16	6	30
392+43	2.3	1	16	6	30
393+88	2.3	1	16	6	30
394+46	2.3	1	16	6	30
394+60	2.3	1	16	6	30
395+89	2.3	1	16	6	30
396+81	2.3	1	16	6	30
403+39	2.3	1	16	6	30
404+83	2.3	1	16	6	30
405+29	2.3	1	16	6	30
405+57	2.3	1	16	6	30
406+32	2.3	1	16	6	30
407+04	2.3	1	16	6	30
407+77	2.3	1	16	6	30
408+11	2.3	1	16	6	30
408+50	2.3	1	16	6	30
409+29	2.3	1	16	6	30
410+32	2.3	1	16	6	30
410+70	2.3	1	16	6	30
411+76	3.8	3	16	10	34
412+12	2.3	1	16	6	30
416+53	2.3	1	16	6	30
417+65	2.3	1	16	6	30
423+47	2.3	1	16	6	30
424+74	3.4	3	16	9	33
426+19	2.3	1	16	6	30
427+83	2.3	1	16	6	30
428+21	2.3	1	16	6	30
429+66	2.3	1	16	6	30
430+38	2.3	1	16	6	30
432+94	2.3	1	16	6	30
433+13	2.3	1	16	6	30
433+54	2.3	1	16	6	30
436+58	2.3	1	16	6	30
436+92	2.3	1	16	6	30
437+32	2.3	1	16	6	30
437+65	2.3	1	16	6	30
438+38	2.3	1	16	6	30
439+13	2.3	1	16	6	30
439+49	2.3	1	16	6	30
439+82	2.3	1	16	6	30
440+56	2.3	1	16	6	30
443+01	2.3	1	16	6	30
443+87	2.3	1	16	6	30
444+20	2.3	1	16	6	30
445+30	2.3	1	16	6	30
445+68	2.3	1	16	6	30
446+03	2.3	1	16	6	30
447+11	2.3	1	16	6	30
448+61	2.3	1	16	6	30
449+64	2.3	1	16	6	30
SUB-TOTALS:	144.3	* 65	* 976	* 373	* 1837

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (PASSING LANE)					
STATION	CY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWELS EACH	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
450+25	2.3	1	16	6	30
450+73	2.3	1	16	6	30
451+45	2.3	1	16	6	30
453+85	2.3	1	16	6	30
454+87	3.1	2	16	8	32
456+55	2.3	1	16	6	30
458+64	2.3	1	16	6	30
462+94	2.3	1	16	6	30
463+52	2.3	1	16	6	30
465+12	2.3	1	16	6	30
466+06	2.3	1	16	6	30
466+95	3.4	3	16	9	33
467+68	2.3	1	16	6	30
468+42	2.3	1	16	6	30
469+50	2.3	1	16	6	30
469+88	2.3	1	16	6	30
470+45	4.5	4	16	12	36
471+87	2.3	1	16	6	30
479+57	2.3	1	16	6	30
481+04	2.3	1	16	6	30
482+10	2.3	1	16	6	30
483+07	4.5	4	16	12	36
483+09	2.3	1	16	6	30
483+78	2.3	1	16	6	30
486+16	3.1	2	16	8	32
487+25	3.8	3	16	10	34
489+79	2.3	1	16	6	30
492+72	2.3	1	16	6	30
493+13	2.3	1	16	6	30
495+67	3.4	3	16	9	33
497+93	2.3	1	16	6	30
500+07	2.3	1	16	6	30
501+22	2.3	1	16	6	30
506+29	3.4	3	16	9	33
507+04	3.4	3	16	9	33
509+95	2.3	1	16	6	30
513+42	4.5	4	16	12	36
514+70	3.4	3	16	9	33
515+24	2.3	1	16	6	30
515+39	2.3	1	16	6	30
516+32	2.3	1	16	6	30
516+54	2.3	1	16	6	30
518+77	2.3	1	16	6	30
526+03	2.3	1	16	6	30
528+21	2.3	1	16	6	30
530+04	2.3	1	16	6	30
531+22	2.3	1	16	6	30
532+22	2.3	1	16	6	30
532+99	2.3	1	16	6	30
536+60	2.3	1	16	6	30
537+35	2.3	1	16	6	30
538+10	2.3	1	16	6	30
539+16	2.3	1	16	6	30
539+94	2.3	1	16	6	30
545+39	2.3	1	16	6	30
547+95	3.8	3	16	10	34
552+39	5.3	5	16	14	38
553+08	2.3	1	16	6	30
553+47	2.3	1	16	6	30
SUB-TOTALS:	156.7	* 88	* 944	* 407	* 1823

SPV.0035.01					
CONC. PAVEMENT REPAIR SPECIAL (PASSING LANE)					
STATION	CY	416.0610 DRILLED TIE BARS EACH	416.0620 DRILLED DOWELS EACH	690.0150 SAWING ASPHALT LF	690.0250 SAWING CONCRETE LF
553+97	4.2	3	16	11	35
556+21	2.3	1	16	6	30
556+75	2.3	1	16	6	30
556+95	2.3	1	16	6	30
557+30	3.8	3	16	10	34
558+58	2.3	1	16	6	30
558+86	2.3	1	16	6	30
561+51	2.3	1	16	6	30
563+75	2.3	1	16	6	30
565+55	3.8	3	16	10	34
567+01	3.4	3	16	9	33
567+75	3.4	3	16	9	33
569+44	2.3	1	16	6	30
572+51	2.3	1	16	6	30
576+60	2.3	1	16	6	30
579+56	2.3	1	16	6	30
580+65	2.3	1	16	6	30
581+80	2.3	1	16	6	30
582+90	2.3	1	16	6	30
584+38	2.3	1	16	6	30
588+45	3.4	3	16	9	33
589+54	2.3	1	16	6	30
590+65	2.3	1	16	6	30
592+48	2.3	1	16	6	30
593+23	2.3	1	16	6	30
594+03	2.3	1	16	6	30
596+95	2.3	1	16	6	30
597+64	2.3	1	16	6	30
598+39	2.3	1	16	6	30
598+78	3.1	2	16	8	32
601+63	2.3	1	16	6	30
601+83	2.3	1	16	6	30
602+83	2.3	1	16	6	30
603+07	2.3	1	16	6	30
604+57	2.3	1	16	6	30
604+97	2.3	1	16	6	30
606+05	2.3	1	16	6	30
606+81	2.3	1	16	6	30
607+36	3.4	3	16	9	33
607+55	3.1	2	16	8	32
608+14	3.4	3	16	9	33
608+83	2.3	1	16	6	30
609+07	2.3	1	16	6	30
609+81	2.3	1	16	6	30
SUB-TOTALS:	114.1	* 62	* 704	* 296	* 1352
UNDISTRIBUT.	61	31	390	159	743
TOTALS FOR PASSING LANE	659	* 328	* 4262	* 1708	* 8100
TOTALS FOR DRIVING LANE	1412	* 489	* 9990	* 3129	* 17133
ITEM TOTAL - CONCRETE PAVEMENT REPAIR SPECIAL	2071	* 817	* 14252	* 4837	* 25233

3

PROJECT NO: 1050-01-64

HWY: STH 29 EB

COUNTY: CHIPPEWA

MISCELLANEOUS QUANTITIES

SHEET

E

3

CONCRETE PAVEMENT REPLACEMENT ITEMS

STATION TO STATION		LANE	204.0100 REMOVING PAVEMENT	416.0610 DRILLED TIE BARS	416.0620 DRILLED DOWEL BARS	690.0150 SAWING ASPHALT	690.0250 SAWING CONCRETE	SPV.0180.01 DOWELED CONCRETE PAVEMENT 10-INCH
			SY	EACH	EACH	LF	LF	SY
134+89	- 135+28	DRIVING	61	15	20	41	67	61
173+34	- 173+49	DRIVING	23	5	20	17	43	23
211+01	- 211+16	DRIVING	23	6	20	17	43	23
212+89	- 213+06	DRIVING	26	6	20	19	45	26
258+69	- 259+29	DRIVING	93	23	20	62	88	93
261+33	- 261+50	DRIVING	28	6	20	20	46	28
265+68	- 266+17	DRIVING	75	19	20	50	76	75
275+31	- 275+57	DRIVING	40	10	20	28	54	40
277+55	- 277+78	DRIVING	36	9	20	25	51	36
279+44	- 280+00	DRIVING	88	22	20	58	84	88
286+73	- 287+19	DRIVING	72	18	20	48	74	72
295+28	- 295+50	DRIVING	34	8	20	24	50	34
300+01	- 300+19	DRIVING	27	6	20	19	45	27
307+20	- 309+20	PASSING	267	---	16	---	224	267
307+20	- 309+20	DRIVING	311	79	20	---	28	311
313+83	- 314+01	DRIVING	28	7	20	20	46	28
315+83	- 315+99	DRIVING	25	6	20	18	44	25
332+82	- 333+38	DRIVING	86	22	20	57	83	86
337+44	- 337+66	PASSING	30	8	16	24	46	30
351+25	- 351+71	DRIVING	71	18	20	48	74	71
356+43	- 356+58	DRIVING	24	5	20	17	43	24
366+33	- 367+09	DRIVING	119	30	20	78	104	119
374+54	- 375+82	DRIVING	200	51	20	130	156	200
381+37	- 381+59	DRIVING	34	8	20	24	50	34
381+95	- 382+13	DRIVING	28	7	20	20	46	28
382+56	- 383+44	DRIVING	137	35	20	90	116	137
385+41	- 385+98	DRIVING	88	22	20	59	85	88
394+47	- 394+75	DRIVING	44	11	20	31	57	44
397+05	- 397+25	DRIVING	31	7	20	22	48	31
397+45	- 397+83	DRIVING	59	15	20	40	66	59
404+81	- 404+96	DRIVING	23	5	20	17	43	23
409+09	- 409+68	PASSING	78	23	16	61	83	78
409+13	- 410+06	DRIVING	144	37	20	95	121	144
411+76	- 412+01	DRIVING	38	9	20	26	52	38
413+98	- 414+34	DRIVING	57	14	20	38	64	57
422+66	- 422+84	DRIVING	29	7	20	20	46	29
424+74	- 425+04	DRIVING	46	11	20	32	58	46
428+19	- 428+41	DRIVING	33	8	20	23	49	33
429+76	- 430+04	DRIVING	43	11	20	30	56	43
432+13	- 432+96	DRIVING	129	32	20	85	111	129
437+03	- 437+19	DRIVING	25	6	20	18	44	25
437+75	- 437+97	DRIVING	35	8	20	24	50	35
438+47	- 439+13	DRIVING	103	26	20	68	94	103
440+39	- 440+60	DRIVING	32	8	20	22	48	32
442+94	- 443+13	DRIVING	29	7	20	21	47	29
448+01	- 448+86	DRIVING	133	34	20	87	113	133
449+30	- 450+31	DRIVING	158	40	20	104	130	158
470+32	- 470+74	DRIVING	64	16	20	43	69	64
476+85	- 477+27	DRIVING	65	16	20	44	70	65
477+48	- 477+95	DRIVING	72	18	20	48	74	72
497+05	- 497+27	DRIVING	33	8	20	23	49	33
509+32	- 509+60	DRIVING	44	11	20	30	56	44
511+50	- 511+72	DRIVING	34	8	20	24	50	34
513+41	- 513+61	DRIVING	31	7	20	22	48	31
520+03	- 520+43	PASSING	54	16	16	42	64	54
519+98	- 520+55	DRIVING	89	22	20	59	85	89
523+90	- 524+08	PASSING	24	6	16	20	42	24
529+60	- 530+05	DRIVING	69	17	20	46	72	69
530+02	- 530+47	DRIVING	71	18	20	47	73	71
531+45	- 531+63	DRIVING	29	7	20	21	47	29
551+18	- 551+40	DRIVING	34	8	20	24	50	34
552+89	- 554+13	DRIVING	193	49	20	126	152	193
556+67	- 557+33	DRIVING	103	26	20	68	94	103
558+49	- 558+95	DRIVING	72	18	20	48	74	72
560+53	- 561+62	DRIVING	170	43	20	111	137	170
574+31	- 574+46	PASSING	20	5	16	17	43	20
595+24	- 595+47	DRIVING	35	8	20	25	51	35
595+31	- 595+53	PASSING	30	8	16	24	46	30
595+99	- 596+21	DRIVING	34	8	20	24	50	34
601+08	- 601+35	DRIVING	42	10	20	29	55	42
601+13	- 601+86	DRIVING	114	29	20	75	101	114
601+60	- 601+85	PASSING	33	9	16	27	49	33
603+21	- 603+45	DRIVING	38	9	20	26	52	38
UNDISTRIBUTED		BOTH	450	56	60	319	593	450
TOTALS:			5390	1226	1488	3293	5641	5390

DRILLED TIE BARS (SUMMARY)

LOCATION	416.0610 EACH
CONCRETE PAVEMENT REPAIR	817
CONCRETE PAVEMENT REPLACEMENT	1226
CONCRETE PAVEMENT REPAIR SHES	---
TOTAL:	2043

DRILLED DOWEL BARS (SUMMARY)

LOCATION	416.0620 EACH
CONCRETE PAVEMENT REPAIR	14252
CONCRETE PAVEMENT REPLACEMENT	1488
CONCRETE PAVEMENT REPAIR SHES	340
TOTAL:	16080

SAWING ASPHALT (SUMMARY)

STATION	LOCATION	690.0150 LF
417'C+91	CTH X OFF-RAMP	24
432'D+87	CTH X ON-RAMP	24
602'L+96	STH 27 OFF-RAMP	24
610'L+92	STH 27 OFF-RAMP	101
611'M+58	STH 27 ON-RAMP	24
618'M+96	STH 27 ON-RAMP	105
104'X+42	CTH X WEST	41
CONCRETE PAVEMENT REPAIR		4837
CONCRETE PAVEMENT REPLACEMENT		3293
UNDISTRIBUTED		188
TOTAL:		8661

SAWING CONCRETE (SUMMARY)

LOCATION	690.0250 LF
CONCRETE PAVEMENT REPAIR SHES	953
CONCRETE PAVEMENT REPAIR	25233
CONCRETE PAVEMENT REPLACEMENT	5641
TOTAL:	31827

NOTE: ALL ITEMS AND QUANTITIES ON THIS SHEET
ARE ENGINEER ESTIMATE CATEGORY 0010,
UNLESS OTHERWISE NOTED.

* SUB-TOTAL ONLY, FOR ADDITIONAL ITEM QUANTITIES:
- SEE CONCRETE PAVEMENT REPAIR SHEETS.
- SEE ITEM SUMMARY FOR TOTAL.

3

PROJECT NO: 1050-01-64

HWY: STH 29 EB

COUNTY: CHIPPEWA

MISCELLANEOUS QUANTITIES

SHEET

E

CURVE DATA
Δ = 39°00'41" (LT)
D = 1°28'11"
T = 1380.91
L = 2654.29
R = 3898.34
PI STA = 122+72.19
S.E. = 4.0%
RO = 190'

STA 150+02 RT & LT
CULVERT END MARKERS

BEGIN PROJECT
STA. 134+64.10

STEEL PLATE BEAM GUARD
ENERGY ABSORBING TERMINAL

STEEL PLATE BEAM GUARD
CLASS A (TYP.)

STEEL THRIE BEAM
STRUCTURE APPROACH (TYP.)

EXCEPTION TO NET C LENGTH
STRUCTURE B-09-0171
STA 154+51.89 - 156+15.43
STA 156+62 LT
AEW FOR C.P. STEEL 18-INCH
CULVERT END MARKER

18-INCH AEW WAS
REPLACED WITH SLOPED
SECTION STEEL AEW

STA 163+02
CLEAN CULVERT PIPE
STA 163+02 RT & LT
CULVERT END MARKERS

ASPHALTIC SURFACE SPECIAL
STA 169+88
MAINTENANCE CROSS-OVER

STA 171+02
CLEAN CULVERT PIPE
STA 171+02 RT
REGRADE DITCH
STA 171+02 RT & LT
CULVERT END MARKERS

STA 180+00 RT & LT
CULVERT END MARKERS

STA 189+45 LT
CULVERT END MARKER

PROJECT NO: 1050-01-64

HWY: STH 29 EB

COUNTY: CHIPPEWA

PLAN STATION 134+64.10 - STATION 190+00

SHEET

E

FILE NAME : D:\NWBE PROJECTS\0926-STH29-Stilson Creek - STH 27\CADD\1050-01-64 EB\Plans\050201-prn.dgn

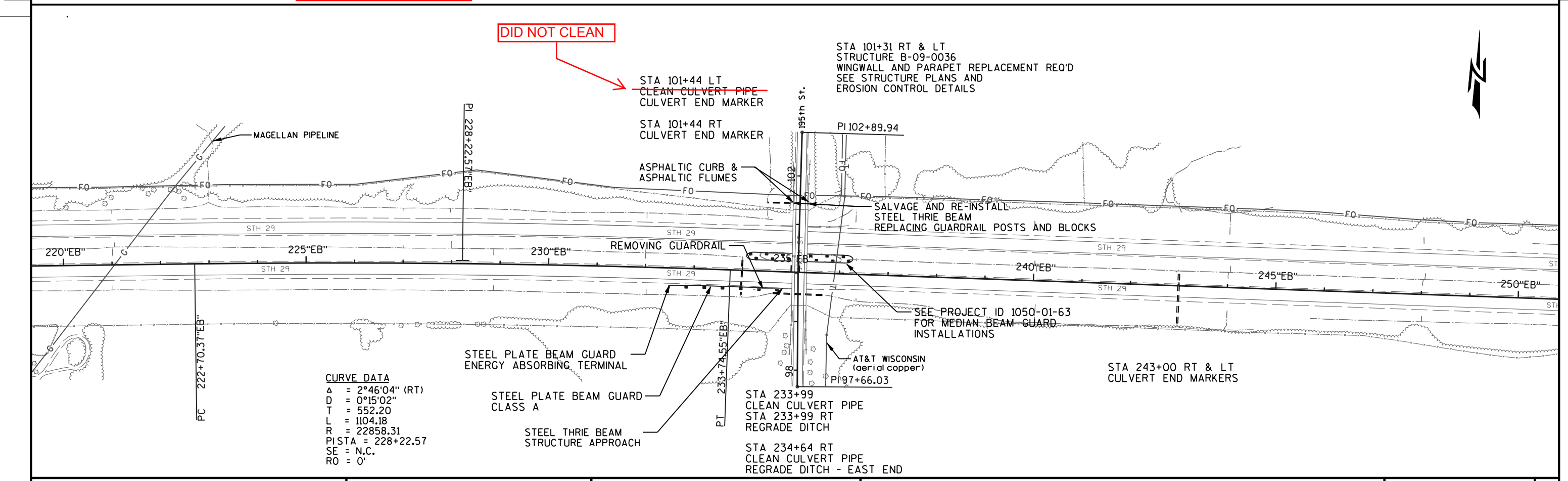
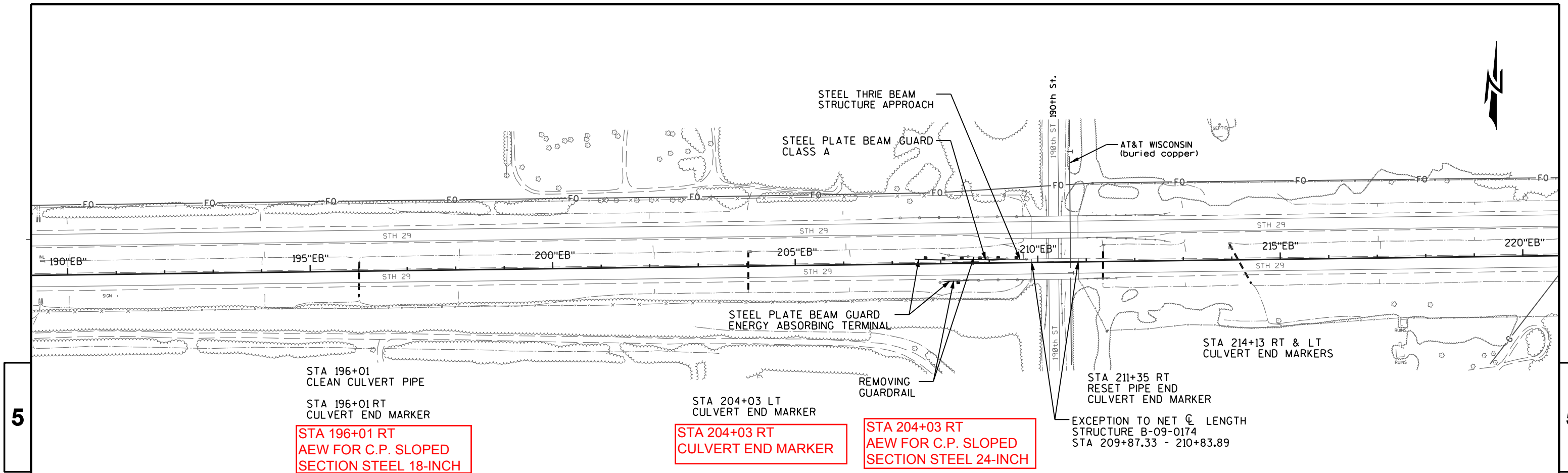
PLOT DATE : 10/21/2010

PLOT BY : NWBE

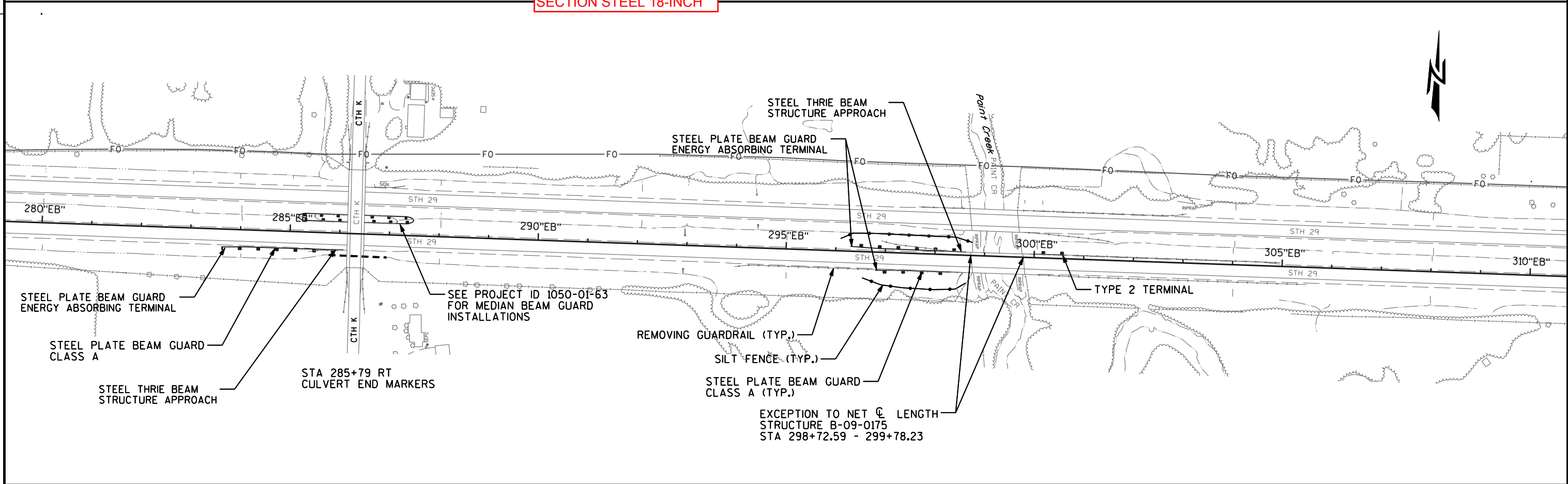
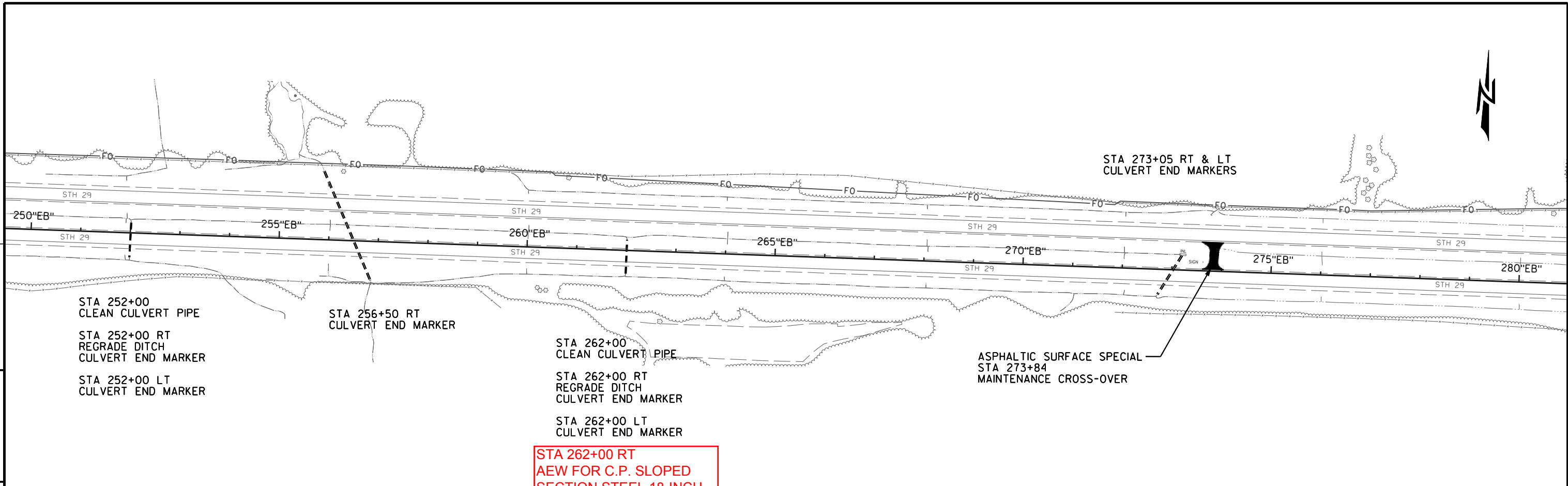
PLOT NAME :

PLOT SCALE : N/A

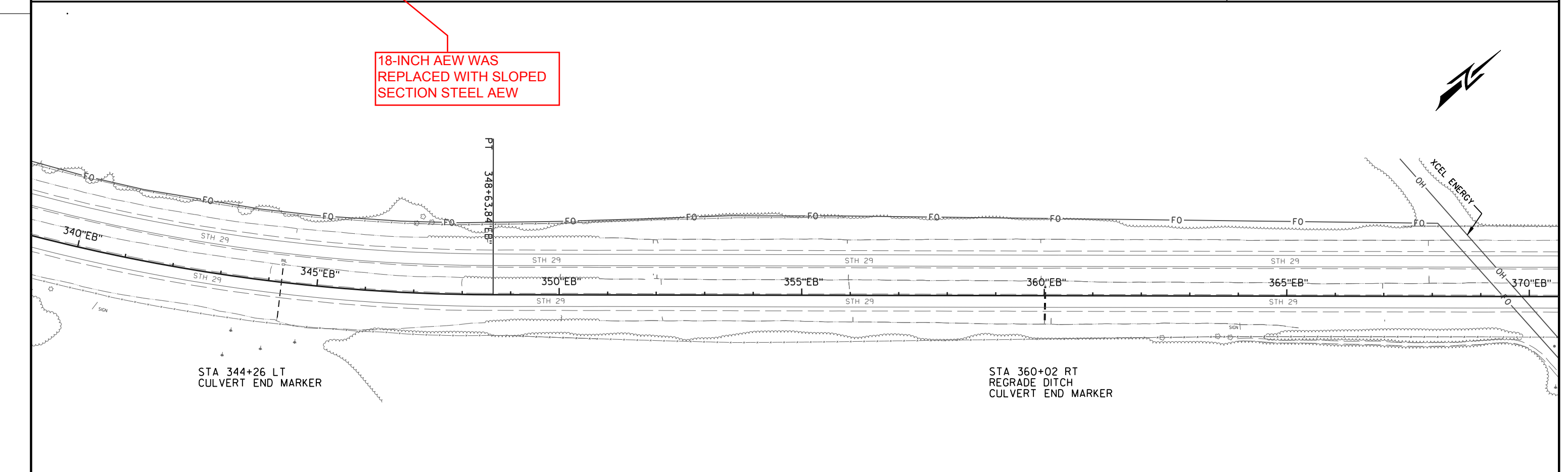
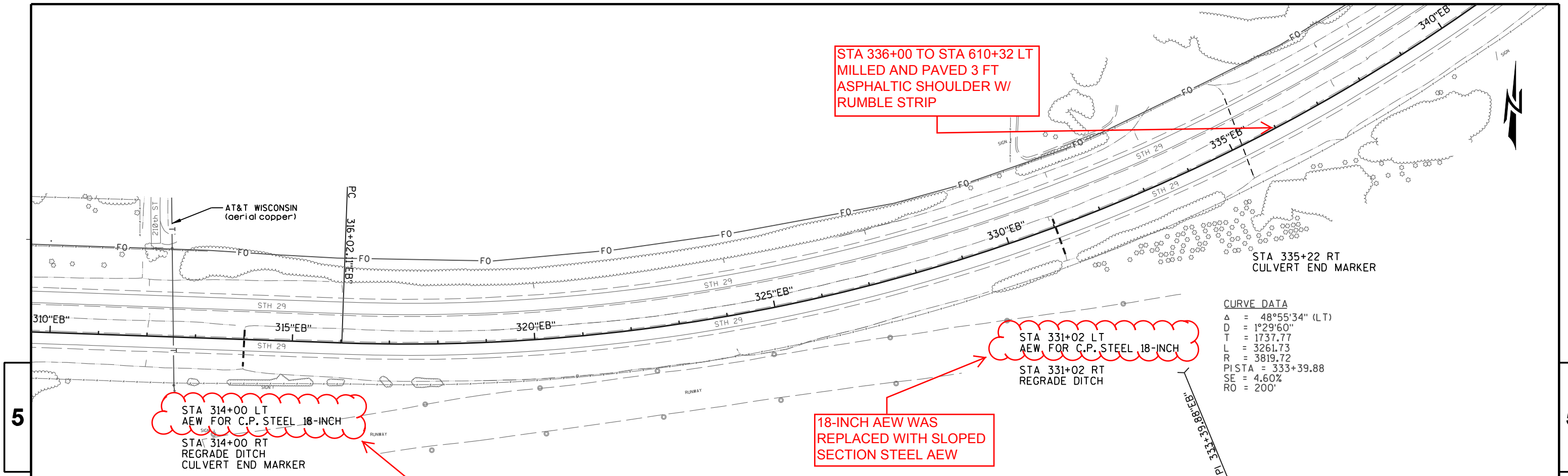
WISDOT/CADDs SHEET 44



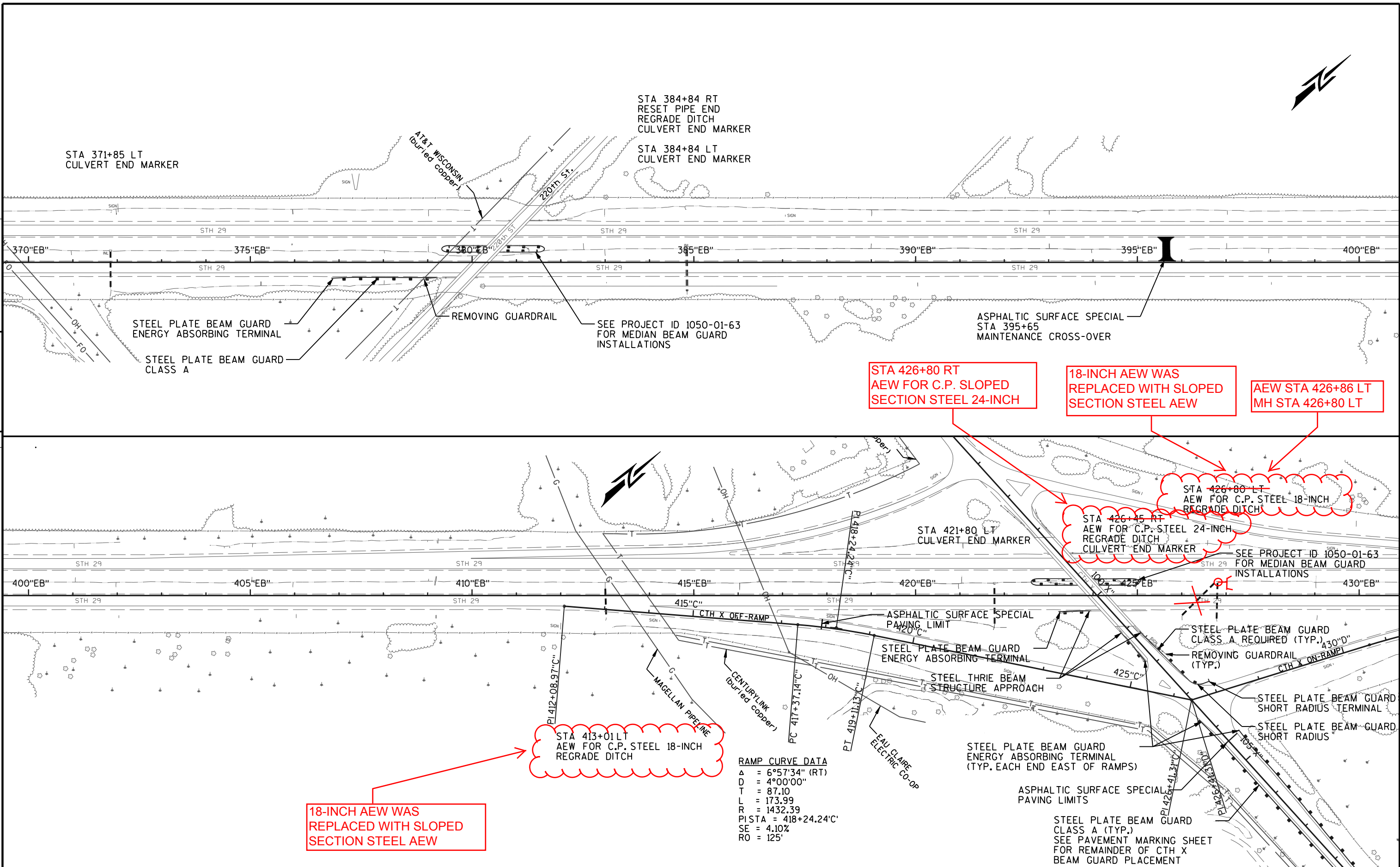
PROJECT NO: 1050-01-64	HWY: STH 29 EB	COUNTY: CHIPPEWA	PLAN STATION 190+00 - STATION 250+00	SHEET	E
------------------------	----------------	------------------	--------------------------------------	-------	---

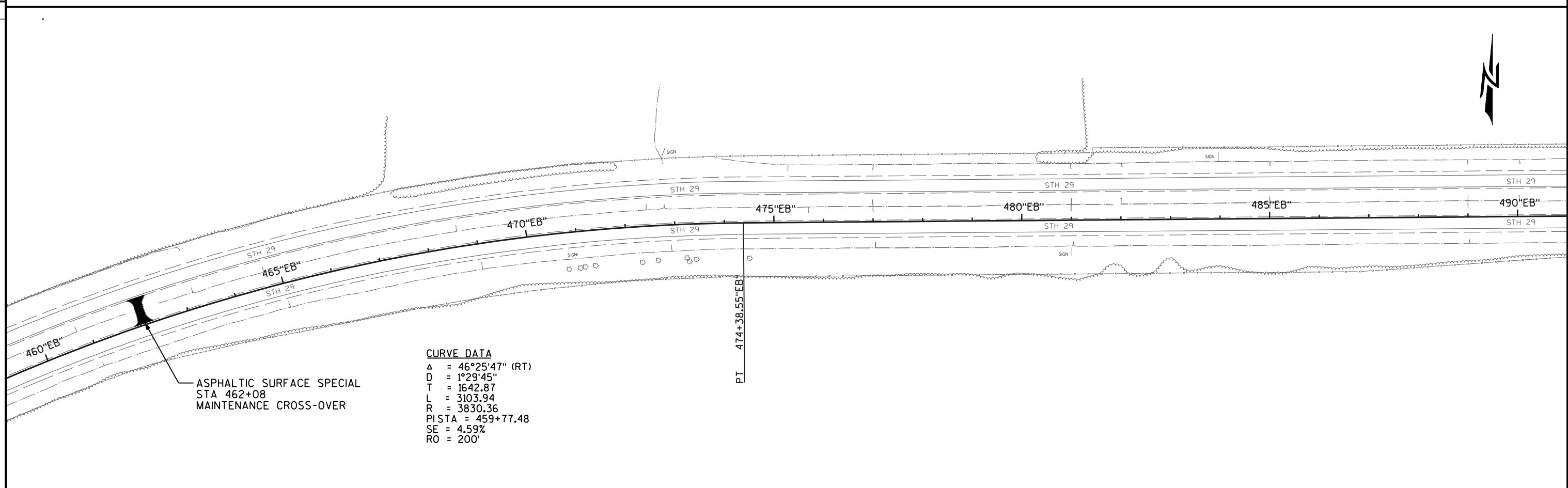
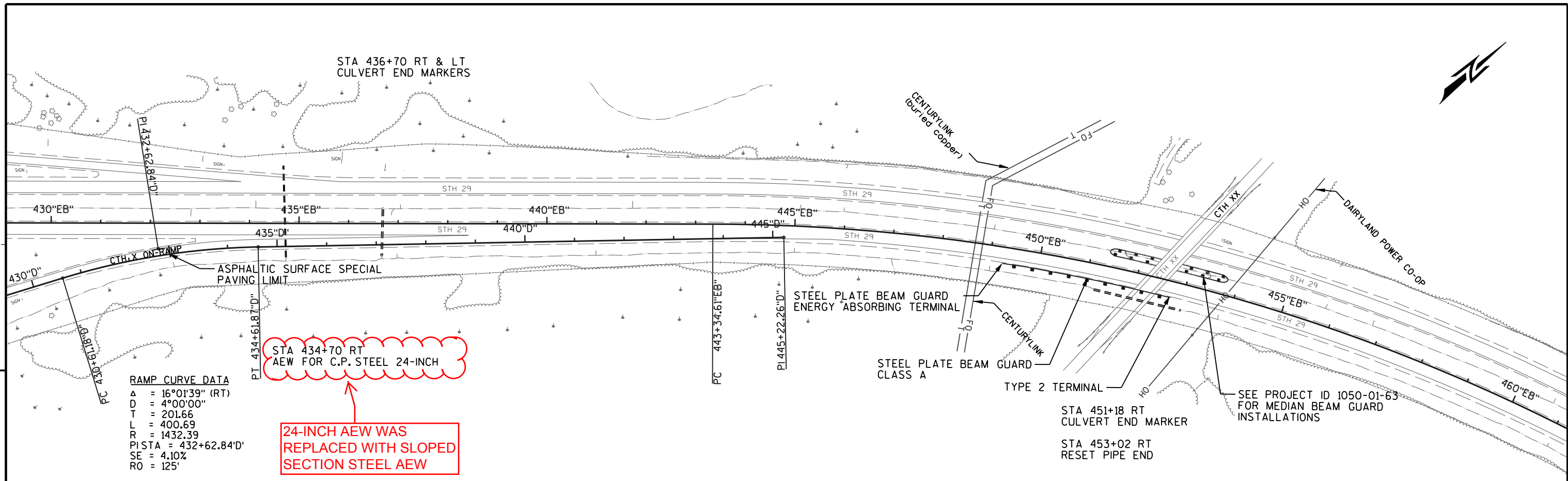


PROJECT NO: 1050-01-64	HWY: STH 29 EB	COUNTY: CHIPPEWA	PLAN STATION 250+00 - STATION 310+00	SHEET	E
------------------------	----------------	------------------	--------------------------------------	-------	---

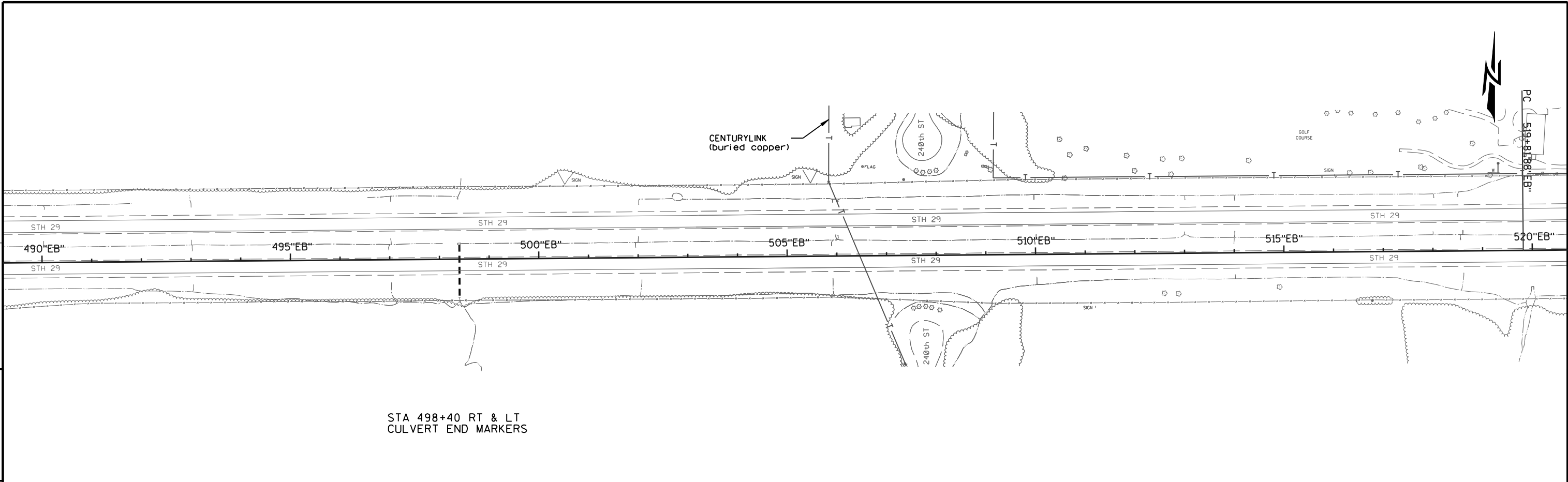


PROJECT NO: 1050-01-64	HWY: STH 29 EB	COUNTY: CHIPPEWA	PLAN STATION 310+00 - STATION 370+00	SHEET	E
------------------------	----------------	------------------	--------------------------------------	-------	---

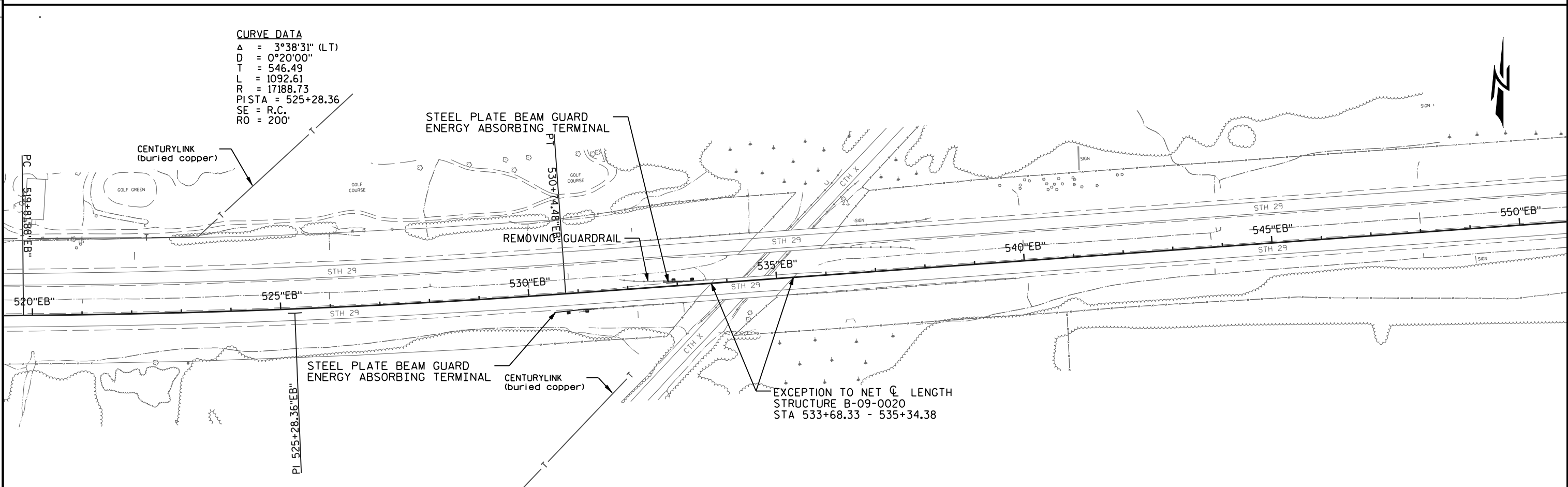




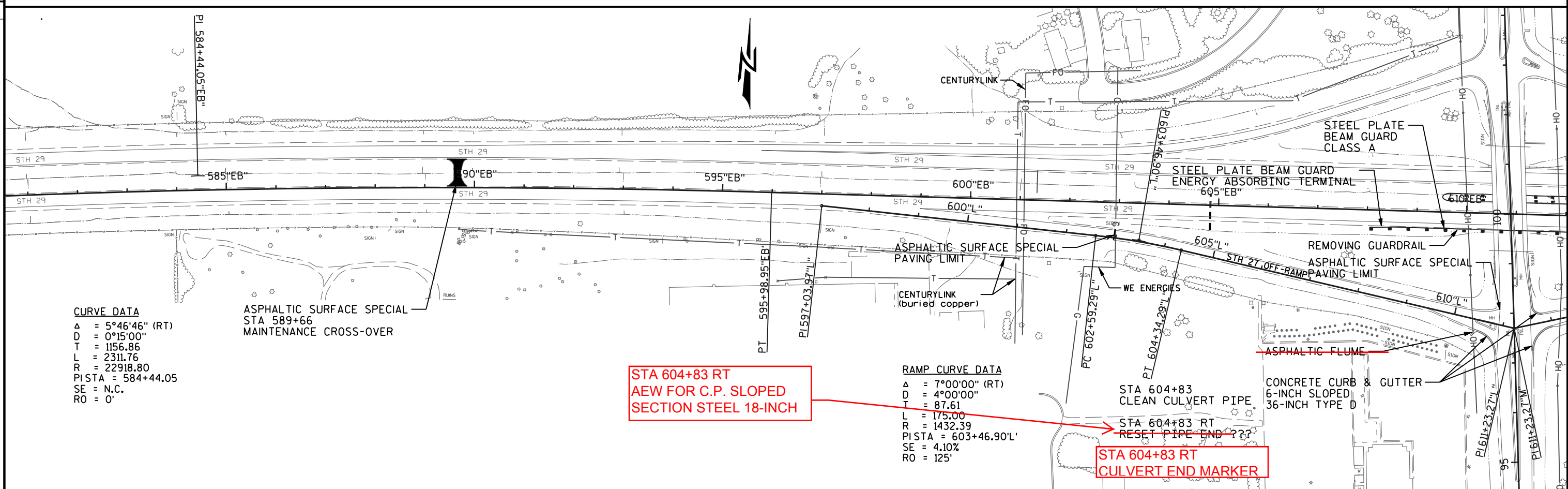
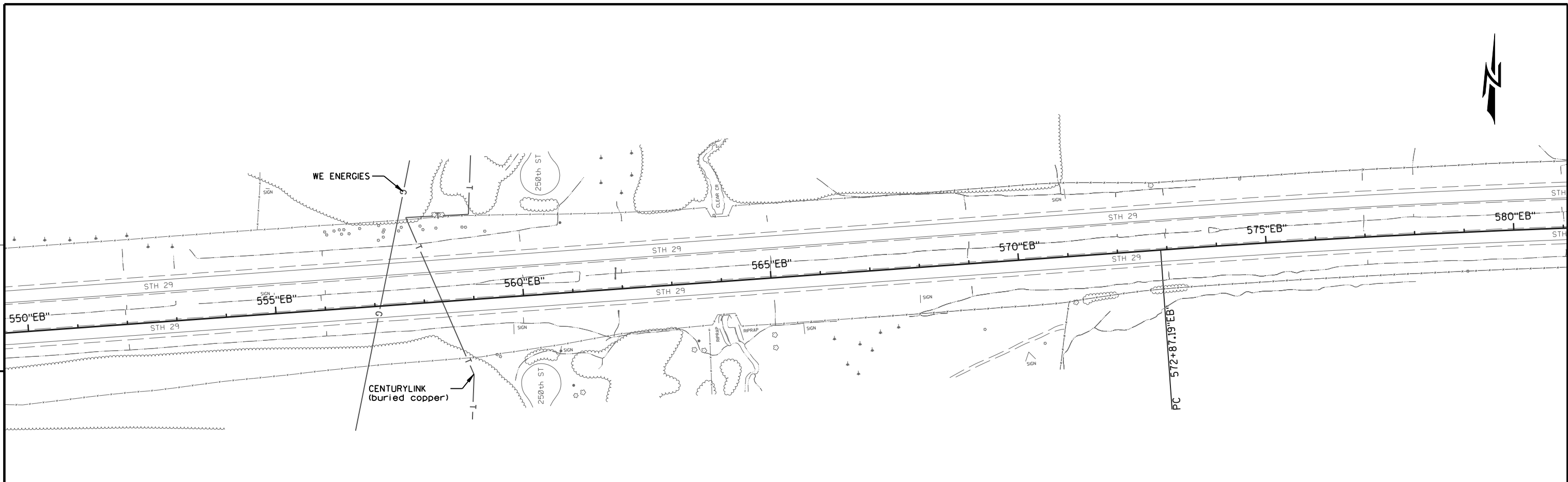
5



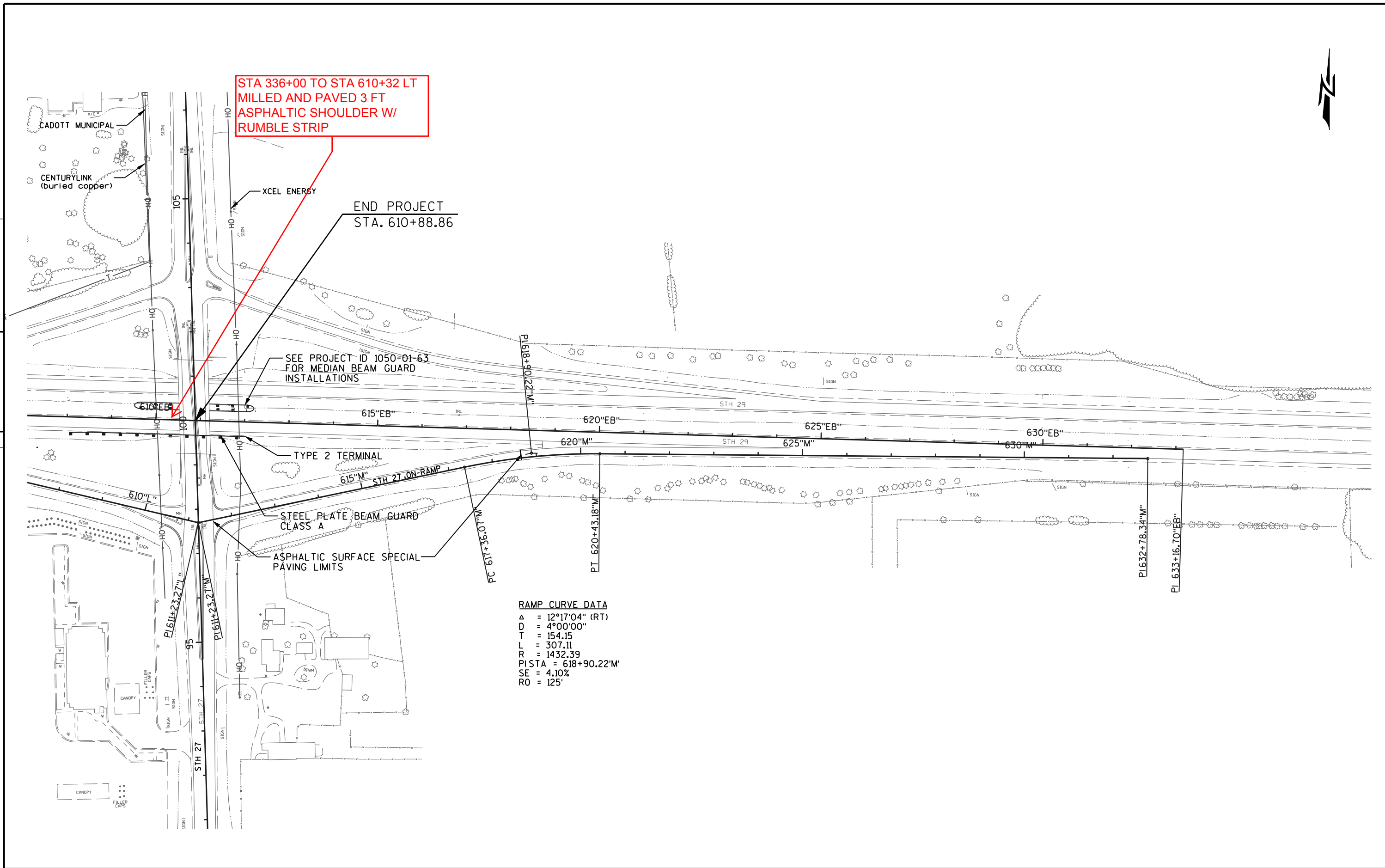
5



PROJECT NO: 1050-01-64	HWY: STH 29 EB	COUNTY: CHIPPEWA	PLAN STATION 490+00 - STATION 550+00	SHEET	E
------------------------	----------------	------------------	--------------------------------------	-------	---



PROJECT NO: 1050-01-64	HWY: STH 29 EB	COUNTY: CHIPPEWA	PLAN STATION 550+00 - STATION 612+00	SHEET	E
------------------------	----------------	------------------	--------------------------------------	-------	---



PROJECT NO: 1050-01-64	HWY: STH 29 EB	COUNTY: CHIPPEWA	PLAN END OF PROJECT & STH 27 ON-RAMP	SHEET	E
------------------------	----------------	------------------	--------------------------------------	-------	---