

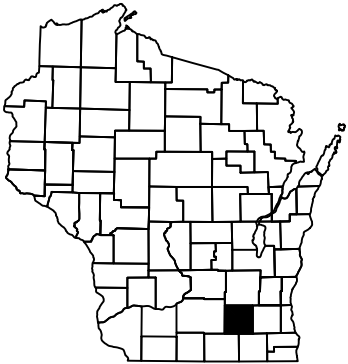
PROJECT ID:
WITH: 3080-09-61

COUNTY:
JEFFERSON

ORDER OF SHEETS

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

TOTAL SHEETS =



DESIGN DESIGNATION		3080-09-61	
A.A.D.T.	2019	=	2,600
A.A.D.T.	2039	=	3,000
D.H.V.		=	10.5
D.D.		=	60/40
T.		=	12.5%
DESIGN SPEED		=	35 MPH (STA. 330+00 - STA. 334+00)
ESALS		=	50 MPH (STA. 334+00 - STA. 352+50)
		=	60 MPH (STA. 352+50 - STA. 597+05)

CONVENTIONAL SYMBOLS

PLAN

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

PROFILE

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

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

JEFFERSON - WALES

HELENVILLE RD TO W LIMIT V SULLIVAN

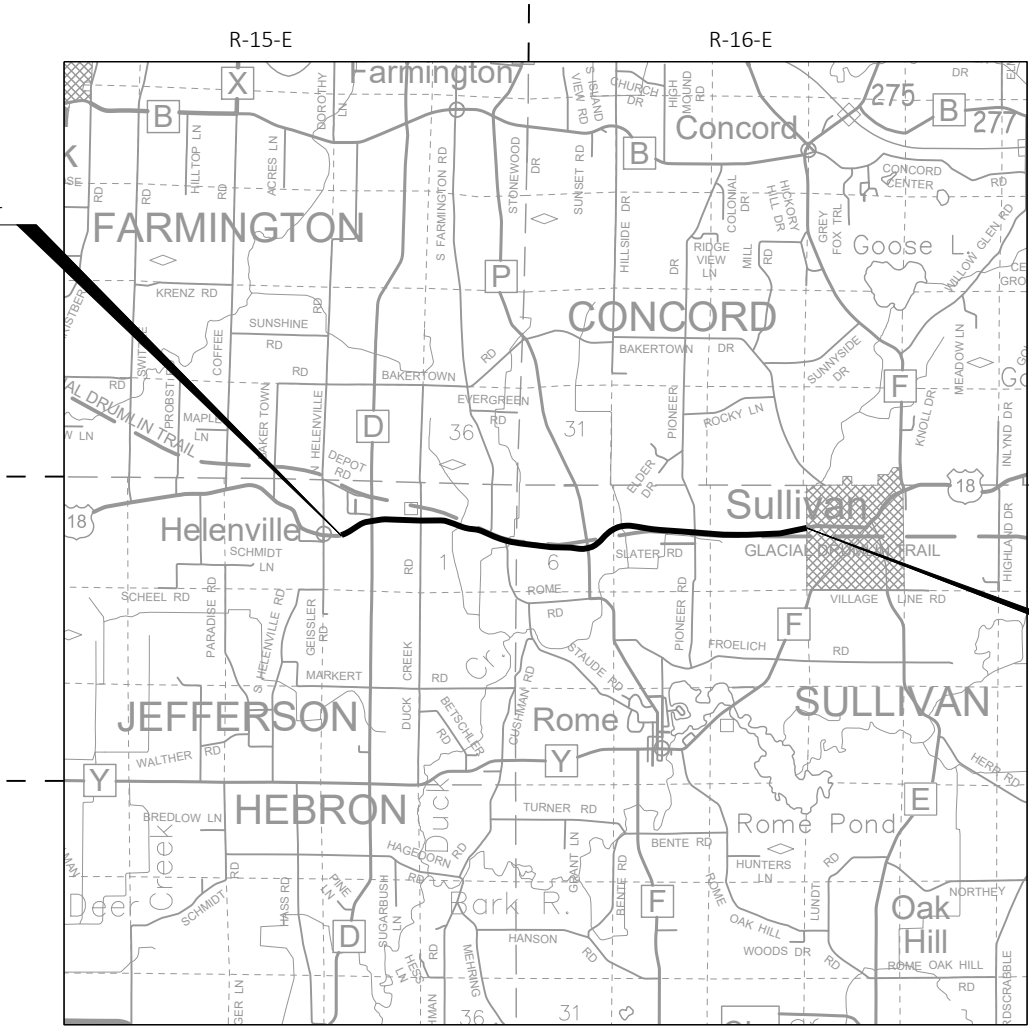
USH 18

JEFFERSON COUNTY

STATE PROJECT NUMBER
3080-09-61

BEGIN PROJECT
STA. 330+00
Y = 561,127.78
X = 884,966.38

END PROJECT
STA. 597+04.57



LAYOUT
SCALE 0 2 MILES

TOTAL NET LENGTH OF CENTERLINE = 5.058 MILES

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), JEFFERSON COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES. ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 12A.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
3080-09-61		

Preliminary
10/24/2018 1:10:20 PM

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	JEWELL ASSOCIATES ENGINEERS, INC
Designer	TIJLER DEYMARCOS
Project Manager	JEREMY HALL
Regional Examiner	SW REGION
Regional Supervisor	JAMES OETTINGER
APPROVED FOR THE DEPARTMENT	
DATE:	(Signature)

E

STANDARD ABBREVIATIONS

AC.	ACRE	MAX.	MAXIMUM
AGG.	AGGREGATE	MGAL	1000 GALLONS
AH	AHEAD	MIN.	MINIMUM
<	ANGLE	N.C.	NORMAL CROWN OR NO CHANGE
AE, AEW	APRON ENDWALL	N	NORTH
ASPH.	ASPHALTIC	NO.	NUMBER
A.D.T.	AVERAGE DAILY TRAFFIC	PAV'T	PAVEMENT
B.F.	BACK FACE	P.L.E	PERMANENT LIMITED EASEMENT
BK.	BACK	P.C.	POINT OF CURVATURE
BEG.	BEGIN	P.I.	POINT OF INTERSECTION
B.M.	BENCH MARK	P.T.	POINT OF TANGENCY
C/L	CENTER LINE	V.P.C.	VERTICAL POINT OF CURVATURE
D	CENTRAL ANGLE OR DELTA	V.P.I.	VERTICAL POINT OF INTERSECTION
C.M.C.P.	CORRUGATED METAL CULVERT PIPE	V.P.T.	VERTICAL POINT OF TANGENCY
C.M.P.	CORRUGATED METAL PIPE	PCC	PORTLAND CEMENT CONCRETE
CO.	COUNTY	P.E	PRIVATE ENTRANCE
CTH	COUNTY TRUNK HIGHWAY	P.L.	PROPERTY LINE
CR.	CREEK	R	RADIUS OR RANGE
C.A.B.C.	CRUSHED AGGREGATE BASE COURSE	R/L	REFERENCE LINE
C.Y.	CUBIC YARD	R.C.C.	REINFORCED CONCRETE CULVERT PIPE
C.P.	CULVERT PIPE	P.	RIGHT
C. & G.	CURB AND GUTTER	REQ'D	REQUIRED
D	DEGREE OF CURVE	R.H.F.	RIGHT HAND FORWARD
D.H.V.	DESIGN HOUR VOLUME	R/W	RIGHT OF WAY
DIA.	DIAMETER	R.	RIVER
DISCH.	DISCHARGE	RD.	ROAD
EA	EACH	SHLD.	SHOULDER(S)
E	EAST	SHR.	SHRINKAGE
ELEC.	ELECTRIC(AL), ELEC. CABLE	S	SOUTH
EL., ELEV.	ELEVATION	S.F.	SQUARE FOOT (FEET)
EXC.	EXCAVATION	SDD	STANDARD DETAIL DRAWING(S)
F.F.	FACE TO FACE	STH	STATE TRUNK HIGHWAY
FERT.	FERTILIZER	STA.	STATION
F.E	FIELD ENTRANCE	S.E	SUPERELEVATION
F/L, F.L	FLOW LINE	S/L	SURVEY LINE
CWT.	HUNDRED WEIGHT	T	TANGENT
INL	INLET	TEL.	TELEPHONE
INTER.	INTERSECTION	TEMP.	TEMPORARY
JT.	JOINT	T.L.E	TEMPORARY LIMITED EASEMENT
LT	LEFT	T.O.C.	TOP OF CURB
L.H.F.	LEFT HAND FORWARD	T.	(TRUCKS) PERCENT OF
L	LENGTH OF CURVE	TYP.	TYPICAL
L.F.	LINEAR FOOT(FEET)	UNCL.	UNCLASSIFIED
LC.	LONG CHORD	U.G.	UNDERGROUND (CABLE)
LS	LUMP SUM	V.C.	VERTICAL CURVE
M.P.	MARKER POST	W	WEST

WISDOT CONTACTS
WISDOT PROJECT MANAGER
JEREMY HALL, P.E.
2101 WRIGHT ST.
MADISON, WI 53704
(608) 245-2655
jeremy.hall@dot.wi.gov

WISDOT PROJECT LEADER
TIJLER DEYMARCOS
2101 WRIGHT ST.
MADISON, WI 53704
(608) 246-3839
tijler.deymarcos@dot.wi.gov

DNR CONTACTS
DNR LIASON
LAURA BUB
3911 FISH HATCHERY RD.
MADISON, WI 53711
(608) 275-3485
laura.bub@wisconsin.gov

AT&T WISCONSIN -
COMMUNICATION LINE
CAROL ANASON
316 W WASHINGTON AVE
MADISON, WI 53701
(608) 252-2385
ca2624@att.com

CENTURYLINK -
COMMUNICATION LINE
KEVIN ZICKERT
224 INDUSTRIAL DR
NORTH PRAIRIE, WI 53153
(262) 392-5200
Kevin.Zickert@centurylink.com

CHARTER COMMUNICATIONS -
COMMUNICATION LINE
BRANDON STORM
2701 DANIELS ST
MADISON, WI 53718
(608) 274-3822
brandon.storm@charter.com

GUARDIAN PIPELINE -
GAS/PETROLEUM
VICTOR DUFOUR
23823 W AMOCO RD
CHANNANON, IL 60410
(815) 467-4633
victor.dufour@oneok.com

LEVEL 3 COMMUNICATIONS LLC -
COMMUNICATION LINE
BRAHIM GADDOUR
3235 INTERTECH DR, SUITE 600
BROOKFIELD, WI 53045
(414) 908-1027
relo@level3.com

PAETEC COMMUNICATIONS, LLC -
COMMUNICATION LINE
MARY FISHER
13935 BISHOPS DR
BROOKFIELD, WI 53005
(262) 792-7938
Mary.B.Fisher@windstream.com

TOWN OF JEFFERSON CONTACTS
TOWN CLERK
TINA BARNES
W7002 COUNTY ROAD J
JEFFERSON, WI 53549
tlbarnes919@yahoo.com

TOWN OF SULLIVAN CONTACTS
TOWN CLERK
DAWN LYNN
N3866 WEST ST.
SULLIVAN, WI 53178
townofsullivan@centurytel.net

JEFFERSON COUNTY CONTACTS
HIGHWAY OPERATIONS MANAGER
BRIAN UDOVICH
141 WEST WOOLCOCK ST.
JEFFERSON, WI 53549
(920) 674-7390
brianu@jeffersoncountywi.gov

UTILITIES CONTACTS

SPRINT COMMUNICATIONS CO LP -
COMMUNICATION LINE
JAMES BURTON
1901 N. ROSELLE RD., SUITE 500
SCHAUMBURG, IL 60195
(708) 955-6659
james.m.burton@sprint.com

TDS METROCOM -
COMMUNICATION LINE
MATTHEW SCHULTE
16924 WEST VICTOR RD
NEW BERLIN, WI 53151
(262) 754-3063
matt.schulte@tdstelecom.com

WE ENERGIES -
ELECTRICITY
NICOLE SMULLEN
333 W EVERETT ST, RM A299
MILWAUKEE, WI 53203
(414) 221-5617
Nicole.SmulLEN@wecenergygroup.com

WE ENERGIES -
GAS/PETROLEUM
NICOLE SMULLEN
333 W EVERETT ST, RM A299
MILWAUKEE, WI 53203
(414) 221-5617
Nicole.SmulLEN@wecenergygroup.com

WINDSTREAM KDL, LLC -
COMMUNICATION LINE
MARY FISHER
13935 BISHOPS DR
BROOKFIELD, WI 53005
(262) 792-7938
Mary.B.Fisher@windstream.com

GENERAL NOTES

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

DIMENSIONS GIVEN FOR EXISTING FEATURES SHALL BE CONSIDERED APPROXIMATE AND MEASURED IN THE FIELD FOR MATCHING PURPOSES.

SEE STANDARD DETAIL DRAWINGS 15C4 "TRAFFIC CONTROL, ADVANCED WARNING SIGNS 45 M.P.H. OR GREATER, TWO WAY UNDIVIDED ROAD OPEN TO TRAFFIC" AND 15C12 "TRAFFIC CONTROL FOR LANE CLOSURE WITH FLAGGING OPERATION" FOR TRAFFIC CONTROL DETAILS. PLACE ONE PCMS BOARD ON EACH END OF THE PROJECT ONE WEEK BEFORE CONSTRUCTION BEGINS.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

THE EXACT LOCATIONS AND LIMITS OF COMMERCIAL, FIELD, AND PRIVATE ENTRANCES SHALL BE DETERMINED BY THE FIELD ENGINEER.

APPLY TACK COAT TO THE MILLED SURFACE AT A RATE OF 0.07 GAL/SY, PRIOR TO PLACING HMA PAVEMENT.

HMA PAVEMENT LIMITS AT INTERSECTIONS ARE TO BE DETERMINED BY THE FIELD ENGINEER.

HMA PAVEMENT SHALL BE CONSTRUCTED WITH A SINGLE 2-INCH LAYER OF HMA PAVEMENT 4 LT 58-28 S. PAVE 2 INCHES OF "EXTRA DEPTH PAVEMENT" IN AREAS WHERE "REMOVING DISTRESSED PAVEMENT MILLING" IS REQUIRED AS THE PLANS SHOW, OR AS DETERMINED BY THE FIELD ENGINEER.

HMA PAVEMENT QUANTITIES WERE CALCULATED USING 112 LB/IN/SY.

PAVING OPERATIONS BY THE CONTRACTOR SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN DRIVING, TURNING, OR PASSING LANES.

EXISTING SHOULDER AGGREGATE SHALL BE INCORPORATED INTO THE NEW SHOULDERS UNLESS OTHERWISE DIRECTED BY THE FIELD ENGINEER.

SHOULDERS SHALL BE PLACED, SHAPED, AND COMPACTED PRIOR TO PLACING GUARDRAIL.

MAINTAIN EROSION CONTROL ITEMS UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY. WETLANDS AND OTHER WATERWAYS ARE PRESENT WITHIN THE PROJECT LIMITS.

DISTURBED AREAS SHOWN WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN FINISHED SHOULDER POINTS, ARE TO HAVE SEEDING MIXTURE NO. 60, TEMPORARY SEEDING, AND EROSION MAT CLASS II URBAN TYPE B AS DIRECTED BY THE FIELD ENGINEER. SEEDING, TEMPORARY SEEDING, AND EROSION MAT ARE TO BE PAID FOR UNDER THE BID ITEM BARRIER SYSTEM GRADING SHAPING FINISHING.

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN IN THE PLANS. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

IF THERE ARE CONFLICTS WITH SIGNS OR OTHER WORK UNDER THIS PROJECT, THE CONTRACTOR WILL WORK AROUND THE UTILITY FACILITIES.

LOCATE NO PASSING ZONES AND MOVE W14-3 SIGNS WHERE APPLICABLE. ALL OTHER EXISTING PERMANENT SIGNING IS TO REMAIN IN PLACE UNLESS OTHERWISE DIRECTED BY THE FIELD ENGINEER.

SEE STANDARD DETAIL DRAWINGS 15C8 "PAVEMENT MARKING - MAINLINE, TURN LANES", 15C33 "STOP LINE AND CROSSWALK PAVEMENT MARKING", AND 15C35 "PAVEMENT MARKING (INTERSECTIONS)" FOR PAVEMENT MARKING DETAILS.

THE CONTRACTOR IS TO PROTECT 2J12, 2J13, 2J14, SULLIVAN N GPS AS MK, SULLIVAN N GPS AND KEEP CONSTRUCTION EQUIPMENT AT LEAST 10 FEET AWAY FROM 2J12, 2J13, 2J14, SULLIVAN N GPS AS MK, SULLIVAN N GPS.

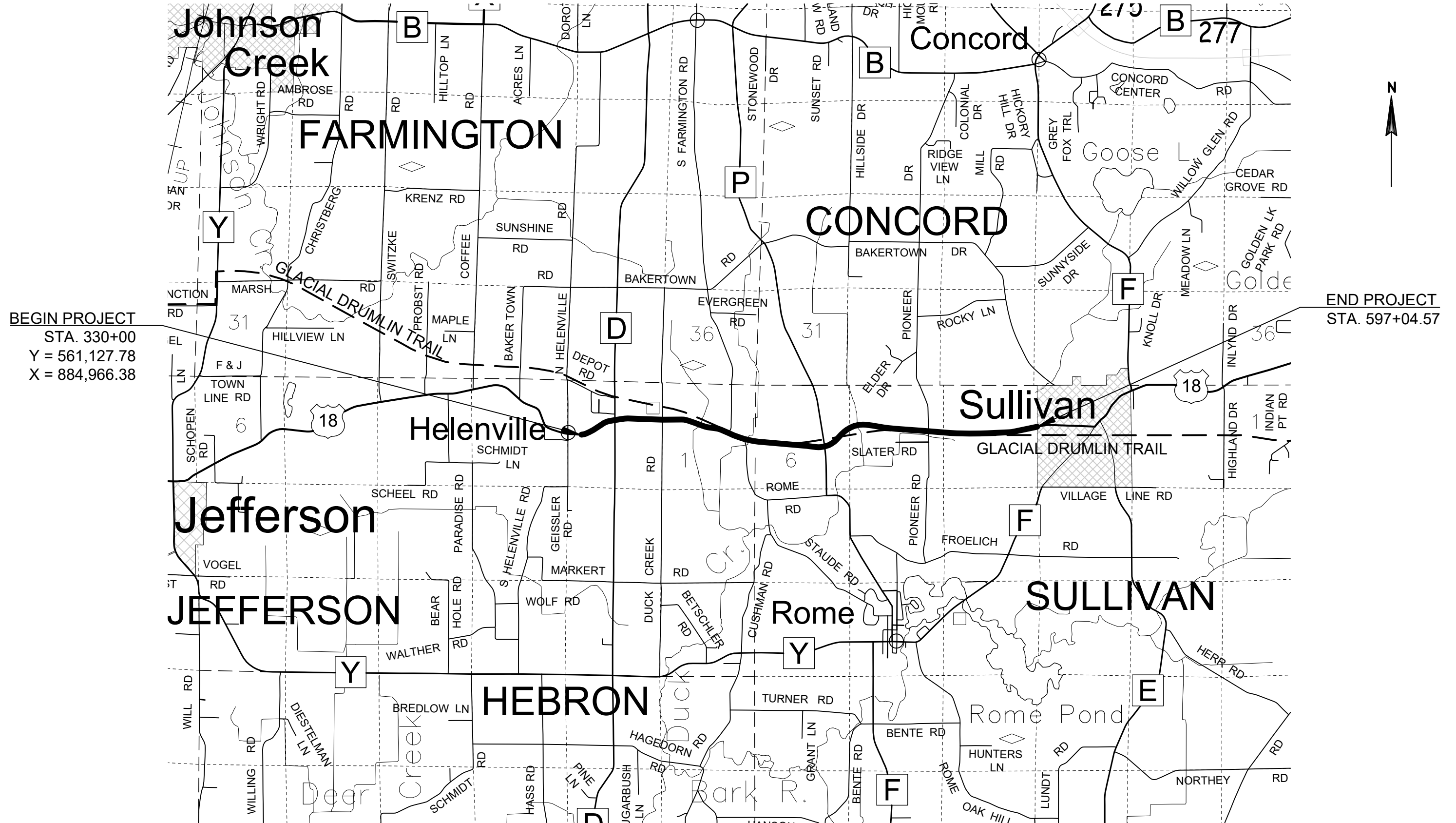
ENSURE THAT 2J12, 2J13, 2J14, SULLIVAN N GPS AS MK, SULLIVAN N GPS IS/ARE NOT DISTURBED, BUMPED OR MOVED DURING THE DURATION OF THE PROJECT. NOTIFY JACOB ROCKWEILER IMMEDIATELY IF 2J12, 2J13, 2J14, SULLIVAN N GPS AS MK, SULLIVAN N GPS IS/ARE DISTURBED, BUMPED OR MOVED DURING CONSTRUCTION OPERATIONS.

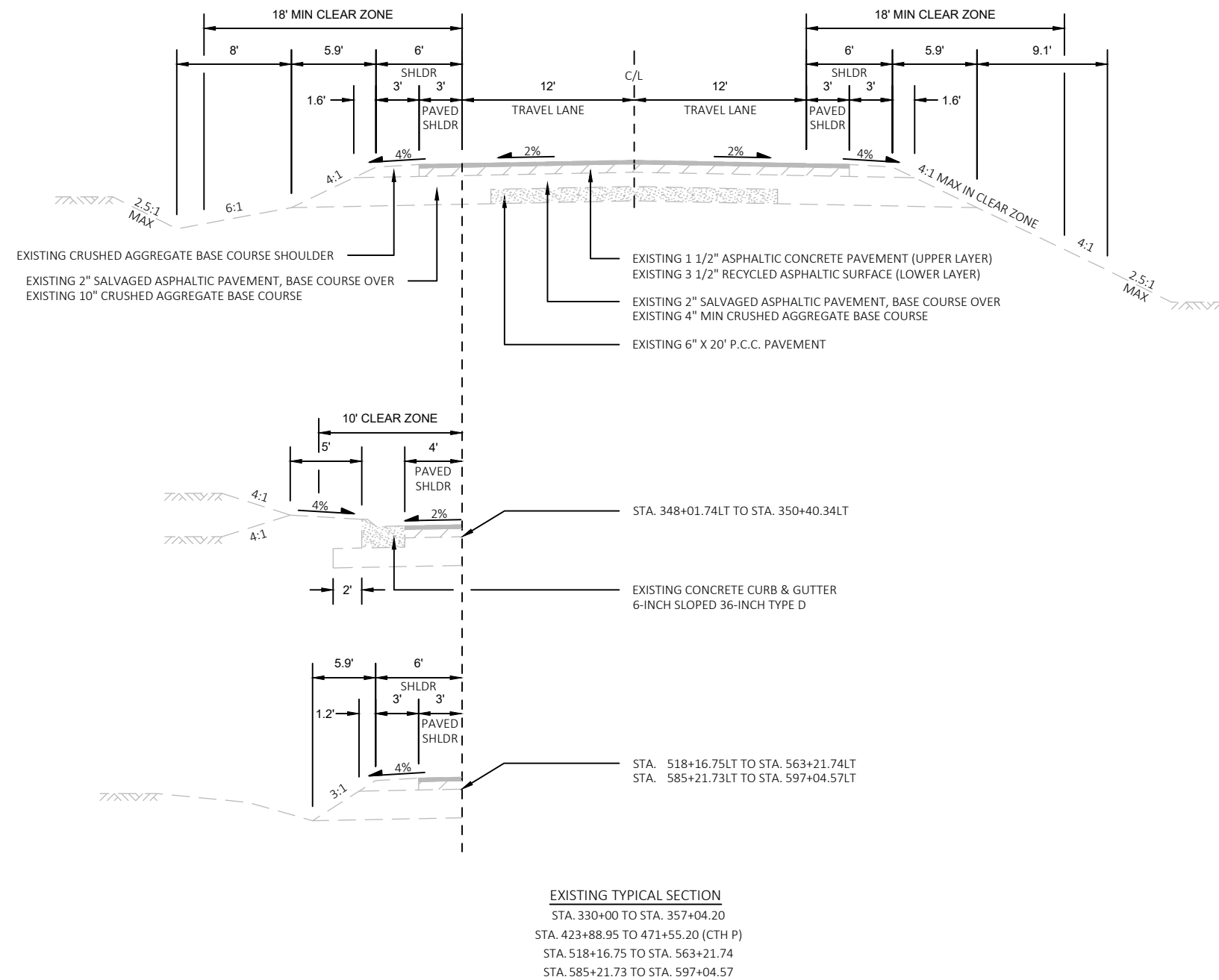
JACOB ROCKWEILER, P.E., WISCONSIN HEIGHT MODERNIZATION PROGRAM MANAGER WITH THE WISCONSIN DEPARTMENT OF TRANSPORTATION WHOSE PHONE NUMBER IS (608) 516-6362 AND EMAIL IS JACOB.ROCKWEILER@DOT.WI.GOV

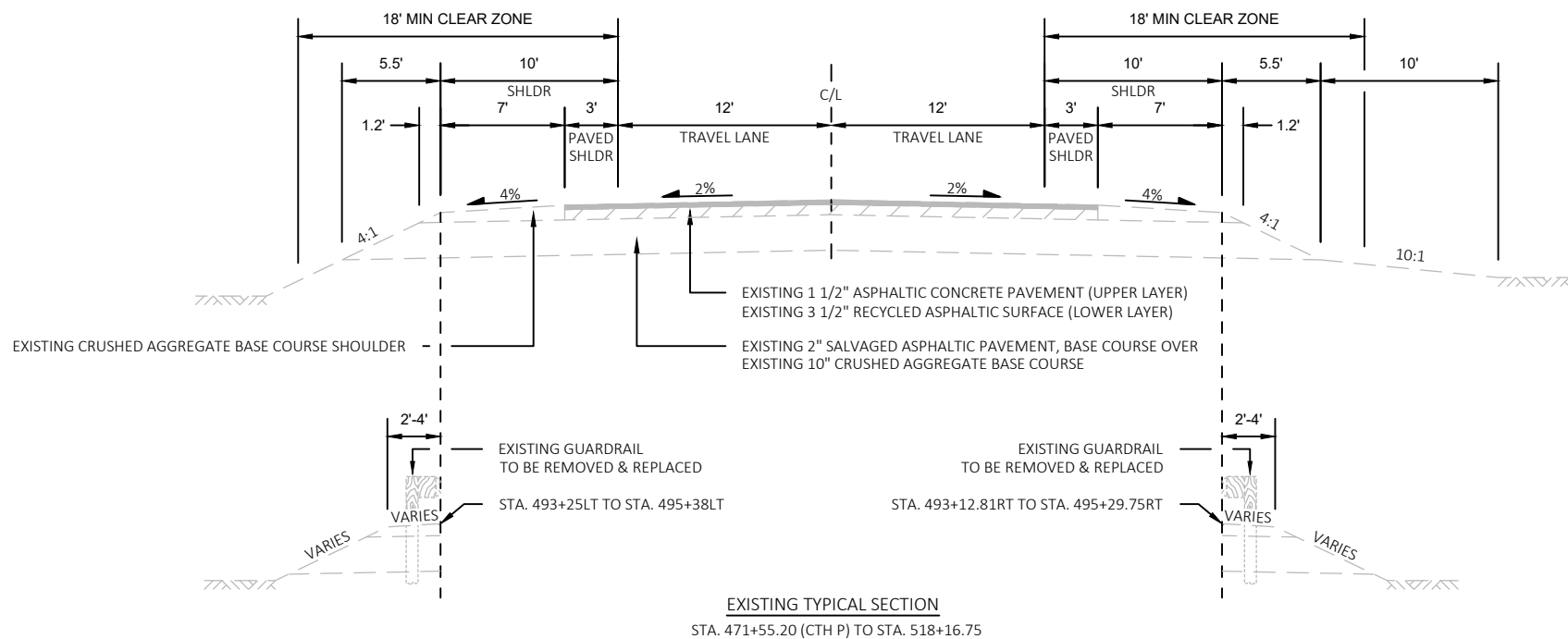
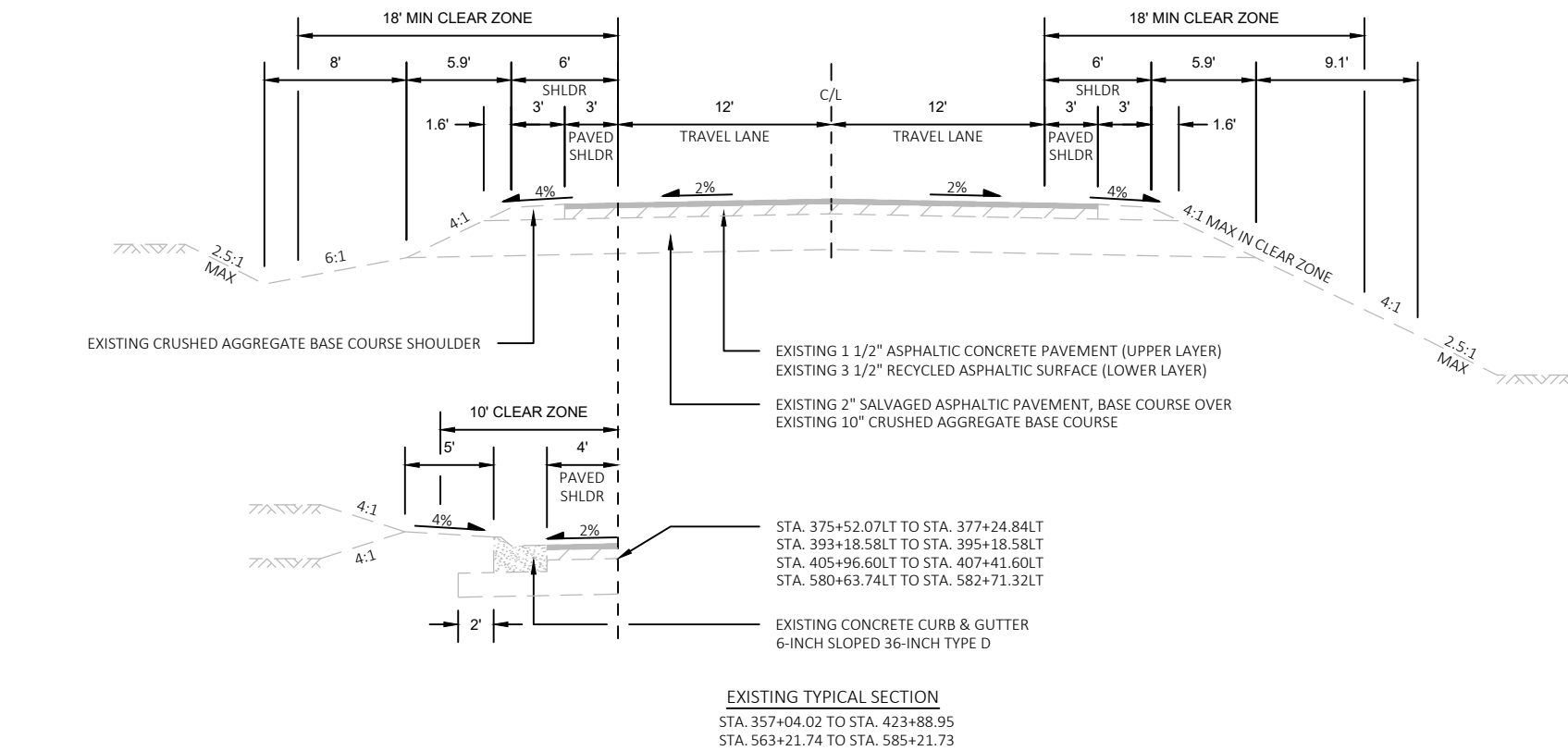
SECTION 2 ORDER OF SHEETS

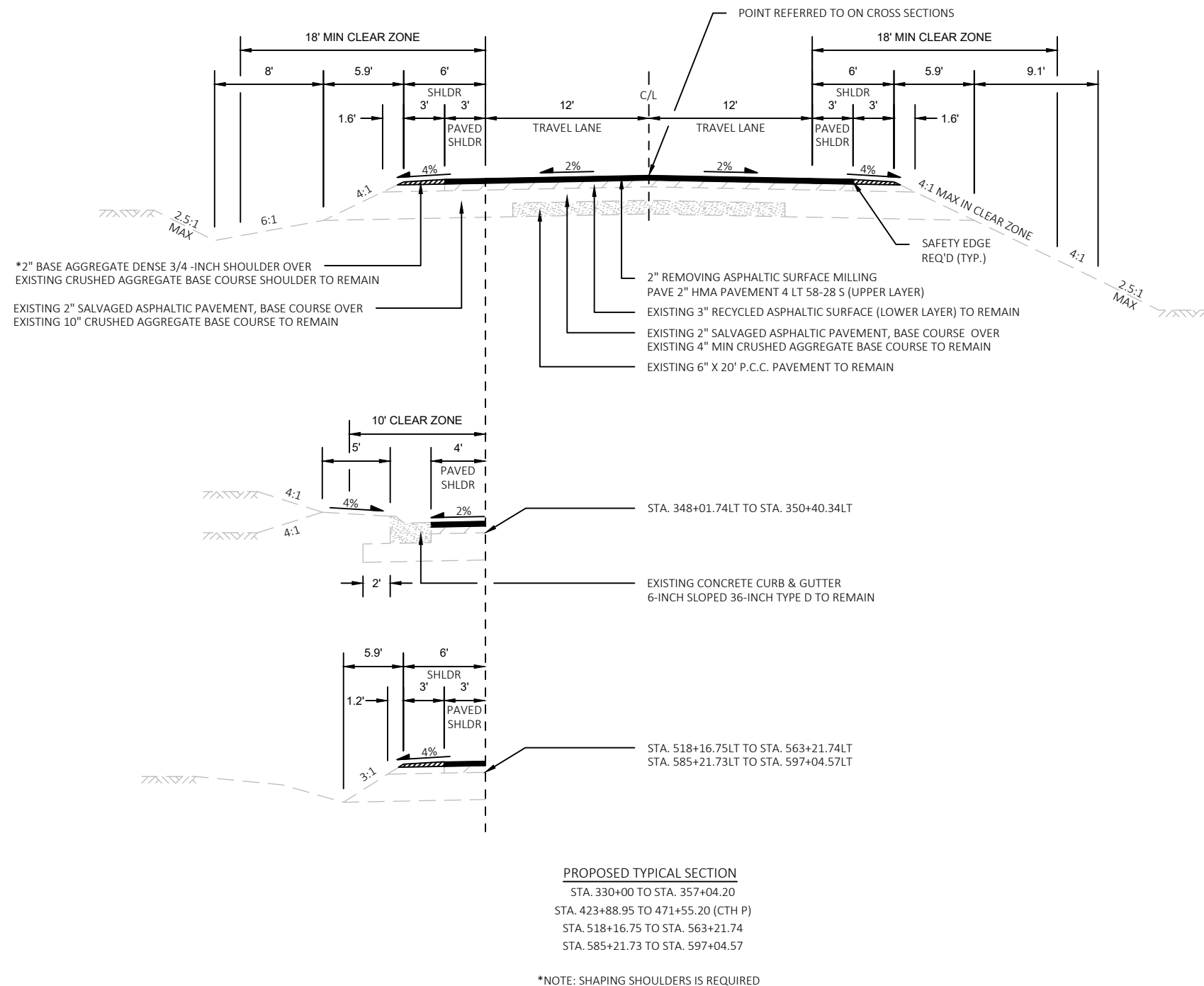
GENERAL NOTES
PROJECT OVERVIEW
TYPICAL SECTIONS
CONSTRUCTION DETAILS
EROSION CONTROL











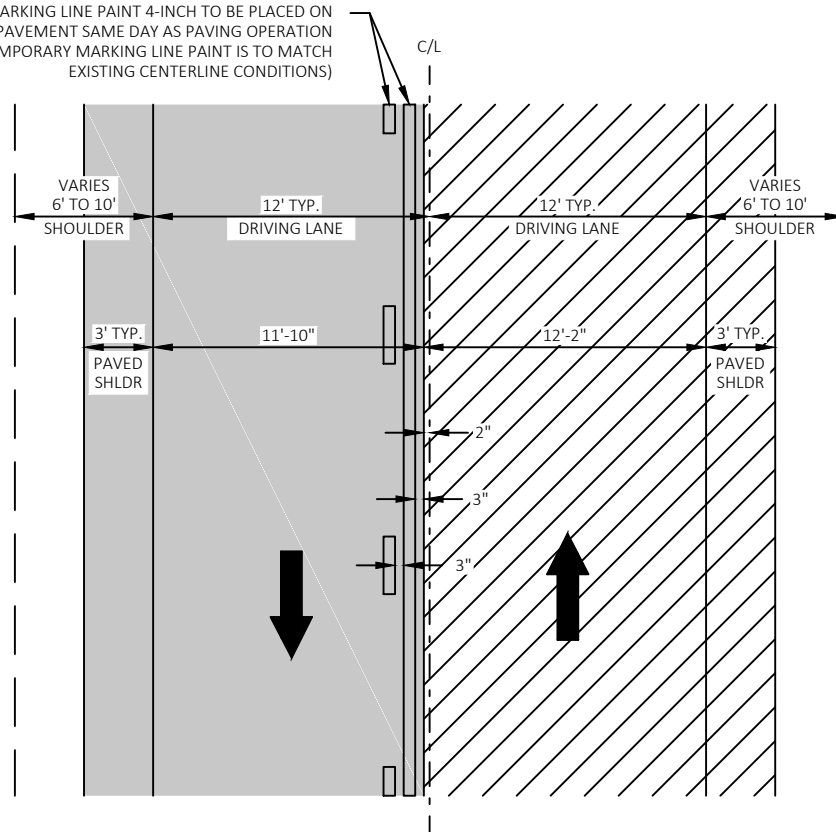
NOTE:
THE CONTRACTOR SHALL VERIFY AND MAINTAIN ALL EXISTING SUPERELEVATION RATES AND SUPERELEVATION TRANSITION RATES OF ALL EXISTING HORIZONTAL CURVES.

*NOTE: SHAPING SHOULDERS IS REQUIRED

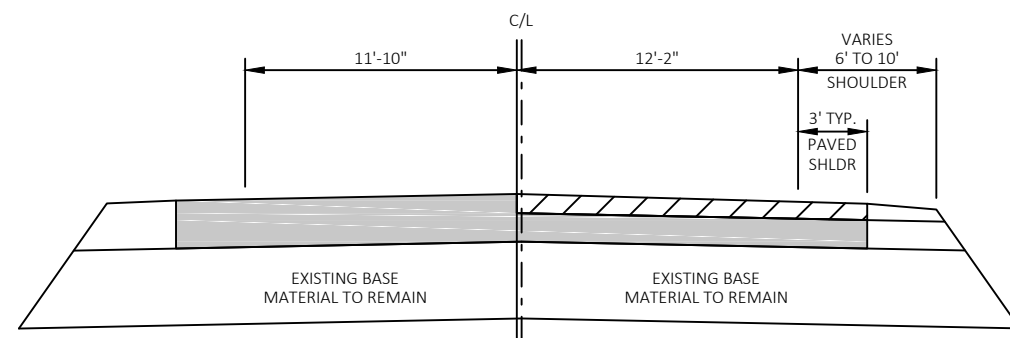
NOTE:
THE CONTRACTOR SHALL VERIFY AND MAINTAIN
ALL EXISTING SUPERELEVATION RATES AND
SUPERELEVATION TRANSITION RATES OF ALL
EXISTING HORIZONTAL CURVES.

*NOTE: SHAPING SHOULDERS IS REQUIRED

TEMPORARY MARKING LINE PAINT 4-INCH TO BE PLACED ON EXISTING PAVEMENT SAME DAY AS PAVING OPERATION (ALL TEMPORARY MARKING LINE PAINT IS TO MATCH EXISTING CENTERLINE CONDITIONS)

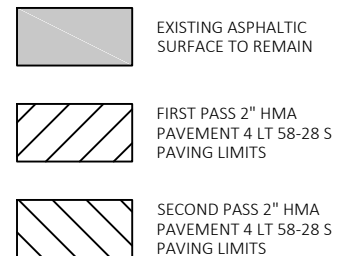


PLAN VIEW



CROSS SECTION VIEW

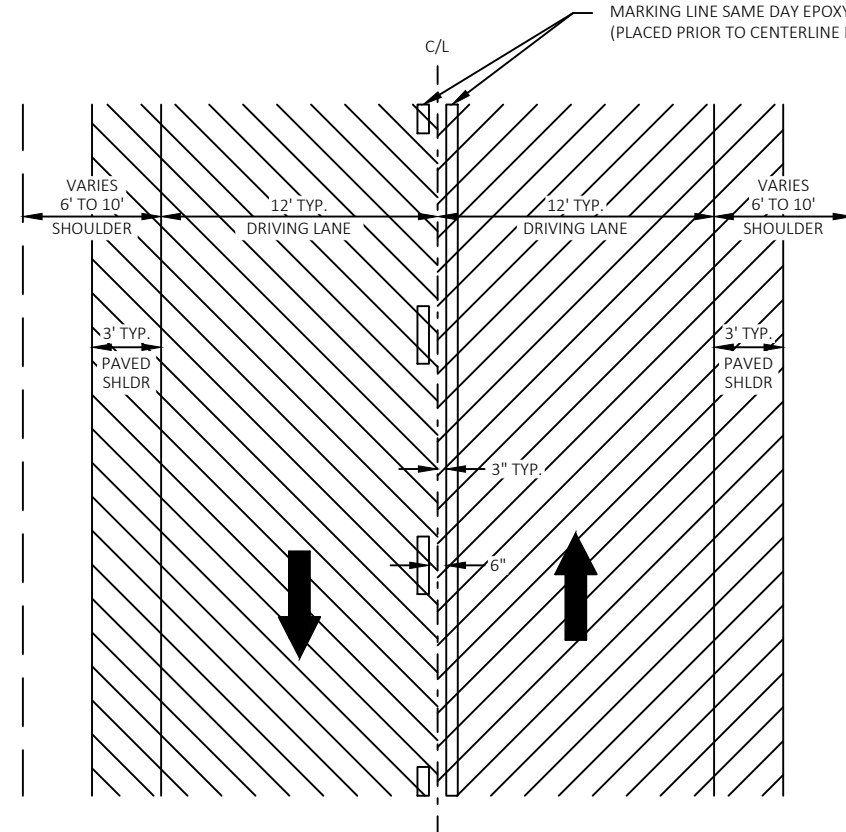
LONGITUDINAL PAVEMENT JOINT DETAIL - FIRST PASS



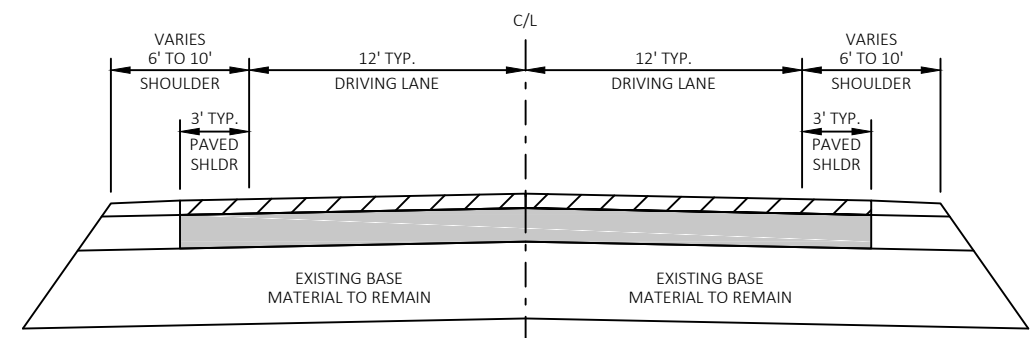
*LOCATING NO PASSING ZONES REQUIRED PRIOR TO PLACEMENT OF MARKING LINE SAME DAY EPOXY 4-INCH.

**MARKING LINE EPOXY 4-INCH REQUIRED AFTER INSTALLING CENTERLINE RUMBLE STRIPS.

MARKING LINE SAME DAY EPOXY 4-INCH* (PLACED PRIOR TO CENTERLINE RUMBLE STRIPS**)

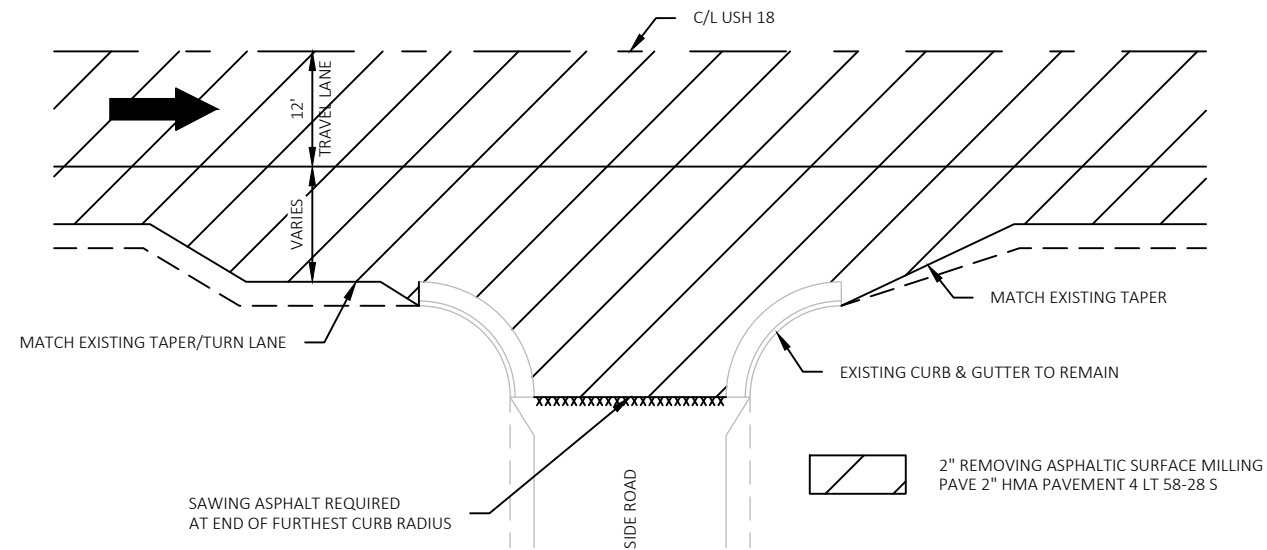


PLAN VIEW



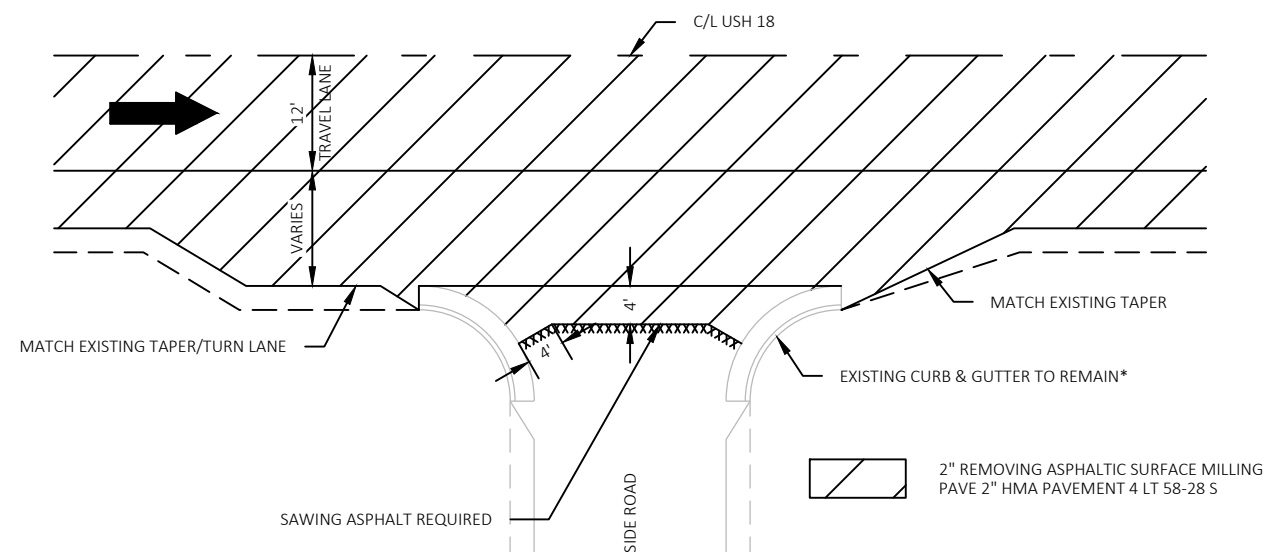
CROSS SECTION VIEW

LONGITUDINAL PAVEMENT JOINT DETAIL - SECOND PASS



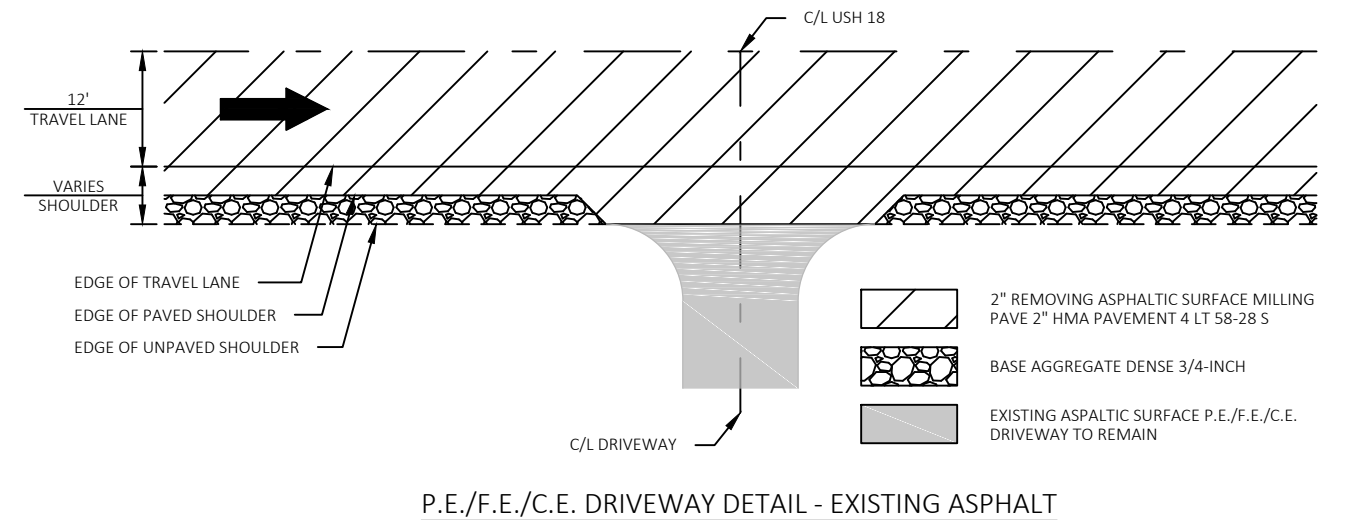
TYPICAL SIDE ROAD DETAIL - WITH EXISTING SIDE ROAD CONSTRUCTION JOINT

DUCK CREEK ROAD (SOUTH)
CTH P (NORTH & SOUTH)
PIONEER DRIVE (NORTH)

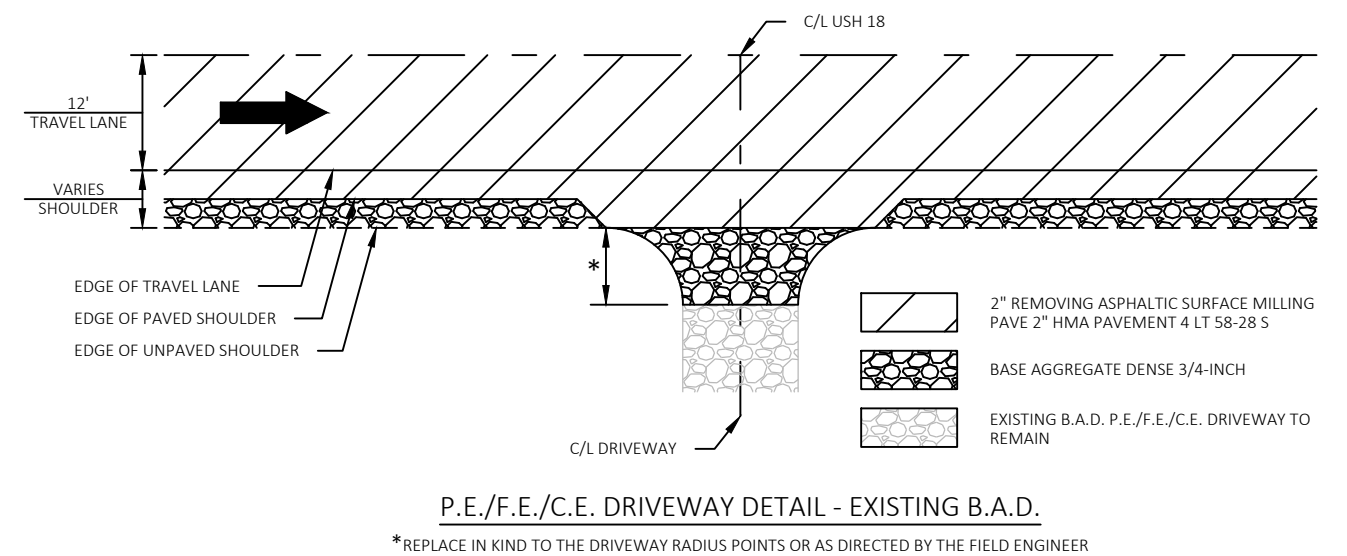


TYPICAL SIDE ROAD DETAIL - WITHOUT EXISTING SIDE ROAD CONSTRUCTION JOINT

CTH D (NORTH & SOUTH)
DUCK CREEK ROAD (NORTH)
S. FARMINGTON ROAD
ROME ROAD
PIONEER DRIVE (SOUTH), *NO CURB & GUTTER PRESENT

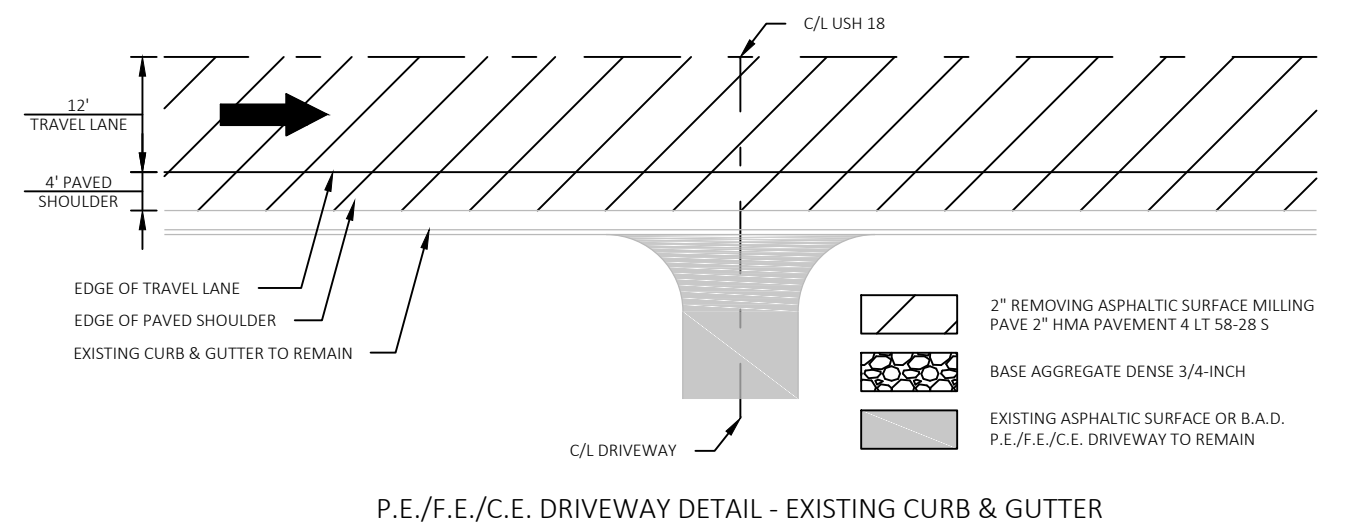


P.E./F.E./C.E. DRIVEWAY DETAIL - EXISTING ASPHALT

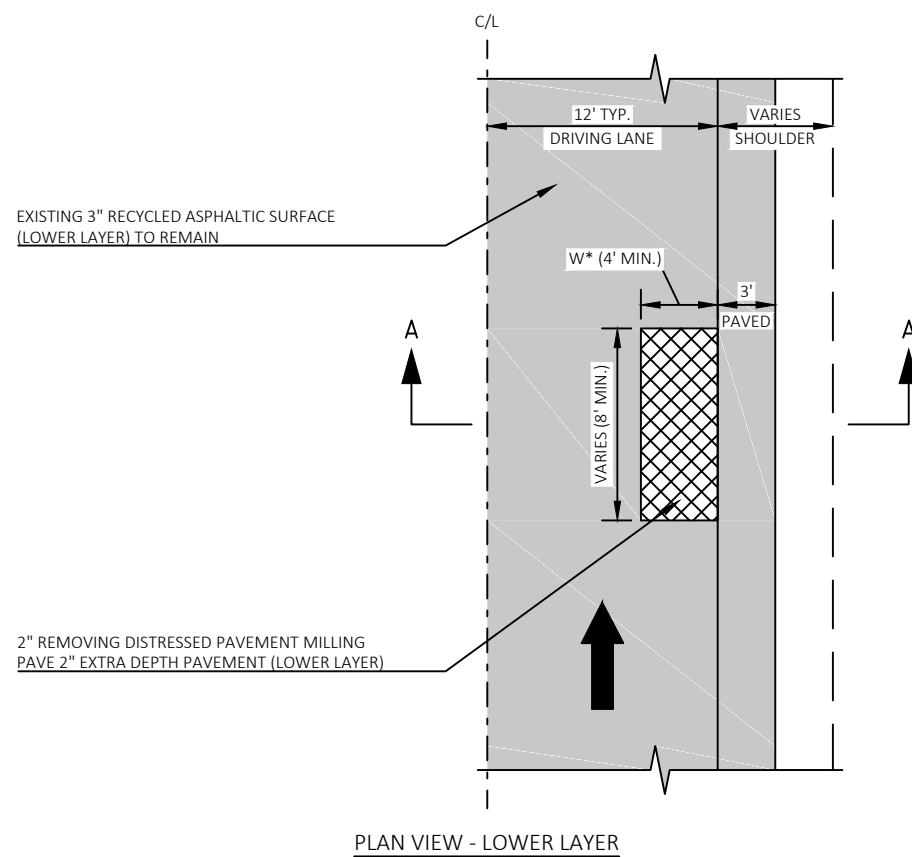
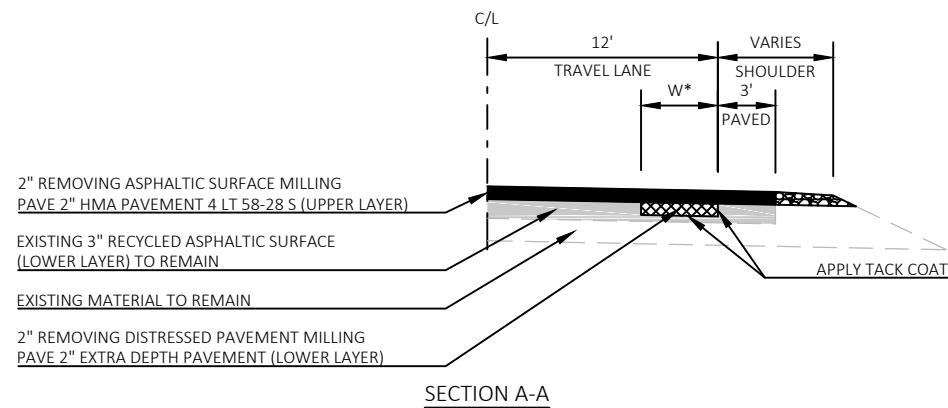


P.E./F.E./C.E. DRIVEWAY DETAIL - EXISTING B.A.D.

*REPLACE IN KIND TO THE DRIVEWAY RADIUS POINTS OR AS DIRECTED BY THE FIELD ENGINEER



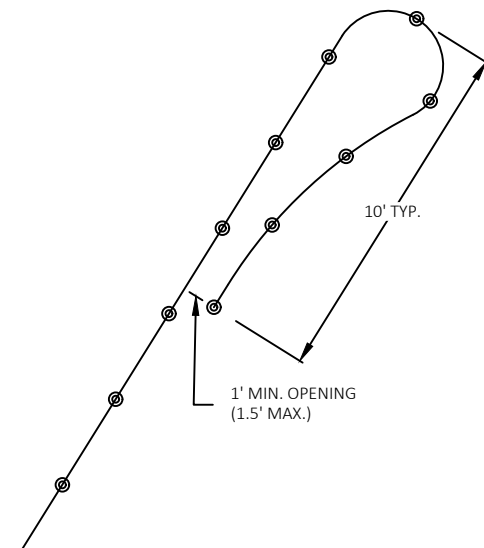
P.E./F.E./C.E. DRIVEWAY DETAIL - EXISTING CURB & GUTTER



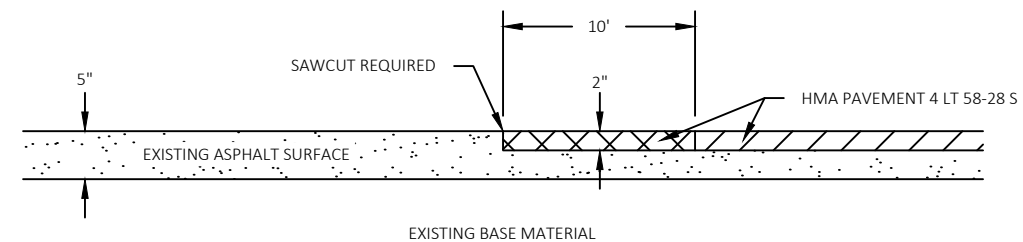
REMOVING DISTRESSED PAVEMENT MILLING DETAIL

SEE TABLE (RIGHT) FOR APPROXIMATE LOCATIONS AND WIDTHS.
EXACT LOCATIONS AND WIDTHS TO BE DETERMINED BY THE FIELD ENGINEER.
*NOTE: MEASURE W FROM OUTSIDE EDGE OF TRAVEL LANE TOWARDS C/L

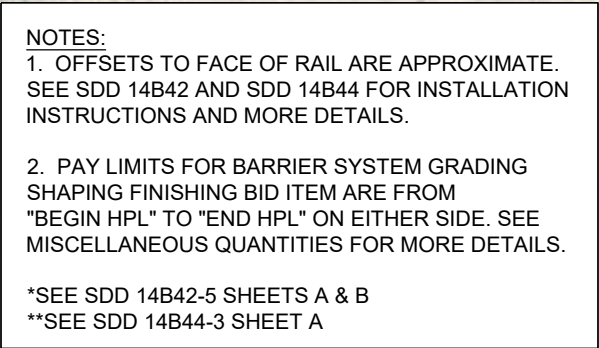
STATION TO	STATION	OFFSET	W (FT)
333+96	- 336+96	LT	4
359+00	- 379+86	LT	4
381+56	- 388+56	LT	4
393+75	- 401+56	LT	4
403+76	- 407+56	LT	4
411+26	- 434+05	LT	4
435+55	- 465+85	LT	4
481+00	- 484+00	LT	4
498+67	- 533+97	LT	4
534+47	- 567+47	LT	4
577+85	- 597+04	LT	4
337+46	- 343+06	RT	4
343+06	- 361+46	RT	8
361+46	- 365+00	RT	4
365+00	- 379+60	RT	8
381+80	- 384+95	RT	4
388+40	- 389+95	RT	8
396+00	- 398+80	RT	4
398+80	- 401+60	RT	8
406+60	- 408+40	RT	4
410+00	- 413+80	RT	8
415+05	- 417+56	RT	8
424+41	- 426+99	RT	8
432+89	- 440+59	RT	4
440+59	- 443+39	RT	8
443+39	- 449+99	RT	4
452+39	- 465+69	RT	8
465+69	- 469+49	RT	4
475+95	- 486+75	RT	4
486+75	- 492+50	RT	8
494+55	- 499+35	RT	4
502+85	- 504+35	RT	4
505+35	- 516+55	RT	4
516+55	- 519+95	RT	8
519+95	- 548+22	RT	4
548+22	- 551+00	RT	8
558+47	- 561+77	RT	4
563+67	- 568+97	RT	8
578+47	- 582+47	RT	4
585+00	- 591+77	RT	4
596+47	- 597+05	RT	4



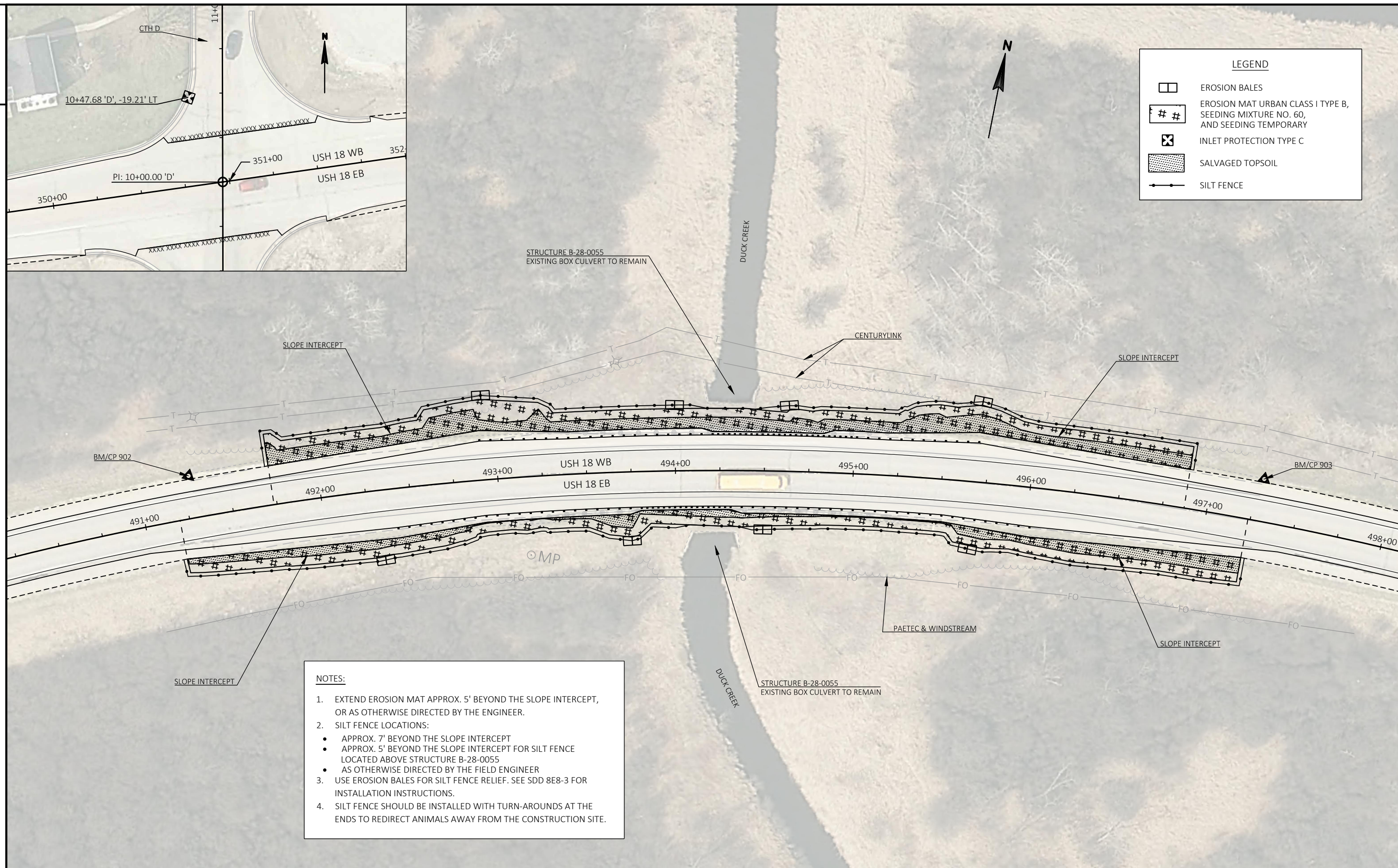
SILT FENCE TURN-AROUND ENDS
PLAN VIEW



END JOINT DETAIL



PROJECT NO: 3080-09-61	HWY: USH 18	COUNTY: JEFFERSON	CONSTRUCTION DETAILS - MGS EAT LAYOUT	SHEET	E
------------------------	-------------	-------------------	---------------------------------------	-------	----------



NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED																																																																																																																																																																																																																																																														
BASE AGGREGATE DENSE ITEMS <table><thead><tr><th>STATION TO</th><th>STATION</th><th>LOCATION</th><th>305.0110 BASE AGGREGATE DENSE 3/4-INCH TON</th><th>305.0500 SHAPING SHOULDERS STA</th><th>624.0100 WATER MGAL</th></tr></thead><tbody><tr><td>330+00</td><td>-</td><td>597+05</td><td>USH 18 - LT SHLDR</td><td>1399</td><td>267</td><td>14.0</td></tr><tr><td>330+00</td><td>-</td><td>597+05</td><td>USH 18 - RT SHLDR</td><td>1433</td><td>267</td><td>14.3</td></tr><tr><td></td><td>-</td><td></td><td>P.E./F.E./C.E. - LT</td><td>14</td><td>-</td><td>0.1</td></tr><tr><td></td><td>-</td><td></td><td>P.E./F.E./C.E. - RT</td><td>28</td><td>-</td><td>0.3</td></tr><tr><td></td><td>-</td><td></td><td>UNDISTRIBUTED</td><td>287</td><td>-</td><td>2.9</td></tr><tr><td colspan="3">TOTAL 0010</td><td>3161</td><td>534</td><td>31.6</td></tr></tbody></table>							STATION TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0500 SHAPING SHOULDERS STA	624.0100 WATER MGAL	330+00	-	597+05	USH 18 - LT SHLDR	1399	267	14.0	330+00	-	597+05	USH 18 - RT SHLDR	1433	267	14.3		-		P.E./F.E./C.E. - LT	14	-	0.1		-		P.E./F.E./C.E. - RT	28	-	0.3		-		UNDISTRIBUTED	287	-	2.9	TOTAL 0010			3161	534	31.6	ASPHALT ITEMS <table><thead><tr><th>STATION TO</th><th>STATION</th><th>OFFSET</th><th>LOCATION</th><th>204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY</th><th>204.0120 REMOVING ASPHALTIC SURFACE MILLING SY</th><th>455.0605 TACK COAT GAL</th><th>460.5224 HMA PAVEMENT 4 LT 58-28 S TON</th><th>SPV.0180.01 REMOVING DISTRESSED PAVEMENT MILLING SY</th><th>SPV.0195.01 EXTRA DEPTH HMA PAVEMENT TON</th></tr></thead><tbody><tr><td>330+00</td><td>-</td><td>350+96</td><td>LT</td><td>USH 18</td><td>17</td><td>3592</td><td>258</td><td>409</td><td>133</td><td>15</td></tr><tr><td>350+96</td><td>-</td><td>377+79</td><td>LT</td><td>USH 18</td><td>-</td><td>4732</td><td>336</td><td>534</td><td>835</td><td>94</td></tr><tr><td>377+79</td><td>-</td><td>416+56</td><td>LT</td><td>USH 18</td><td>-</td><td>6628</td><td>472</td><td>750</td><td>1155</td><td>129</td></tr><tr><td>416+56</td><td>-</td><td>425+99</td><td>LT</td><td>USH 18</td><td>-</td><td>1632</td><td>116</td><td>184</td><td>419</td><td>47</td></tr><tr><td>425+99</td><td>-</td><td>471+55</td><td>LT</td><td>USH 18</td><td>-</td><td>7838</td><td>559</td><td>886</td><td>1705</td><td>191</td></tr><tr><td>471+55</td><td>-</td><td>534+47</td><td>LT</td><td>USH 18</td><td>-</td><td>10995</td><td>800</td><td>1270</td><td>1702</td><td>191</td></tr><tr><td>534+47</td><td>-</td><td>597+05</td><td>LT</td><td>USH 18</td><td>17</td><td>10589</td><td>758</td><td>1202</td><td>2320</td><td>260</td></tr><tr><td colspan="5">SUBTOTAL 0010</td><td>34</td><td>46006</td><td>3299</td><td>5235</td><td>8269</td><td>927</td></tr><tr><td>330+00</td><td>-</td><td>350+96</td><td>RT</td><td>USH 18</td><td>17</td><td>3888</td><td>278</td><td>441</td><td>951</td><td>107</td></tr><tr><td>350+96</td><td>-</td><td>377+79</td><td>RT</td><td>USH 18</td><td>-</td><td>4984</td><td>355</td><td>564</td><td>2227</td><td>249</td></tr><tr><td>377+79</td><td>-</td><td>416+56</td><td>RT</td><td>USH 18</td><td>-</td><td>6687</td><td>478</td><td>758</td><td>1364</td><td>153</td></tr><tr><td>416+56</td><td>-</td><td>425+99</td><td>RT</td><td>USH 18</td><td>-</td><td>1643</td><td>118</td><td>187</td><td>229</td><td>26</td></tr><tr><td>425+99</td><td>-</td><td>471+55</td><td>RT</td><td>USH 18</td><td>-</td><td>8061</td><td>574</td><td>911</td><td>2324</td><td>260</td></tr><tr><td>471+55</td><td>-</td><td>534+47</td><td>RT</td><td>USH 18</td><td>-</td><td>10889</td><td>801</td><td>1271</td><td>2930</td><td>329</td></tr><tr><td>534+47</td><td>-</td><td>597+05</td><td>RT</td><td>USH 18</td><td>17</td><td>10665</td><td>762</td><td>1208</td><td>1981</td><td>222</td></tr><tr><td colspan="5">SUBTOTAL 0010</td><td>34</td><td>46817</td><td>3366</td><td>5340</td><td>12006</td><td>1346</td></tr><tr><td colspan="5">TOTAL 0010</td><td>68</td><td>92823</td><td>6665</td><td>10575</td><td>20275</td><td>2273</td></tr></tbody></table>				STATION TO	STATION	OFFSET	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	SPV.0180.01 REMOVING DISTRESSED PAVEMENT MILLING SY	SPV.0195.01 EXTRA DEPTH HMA PAVEMENT TON	330+00	-	350+96	LT	USH 18	17	3592	258	409	133	15	350+96	-	377+79	LT	USH 18	-	4732	336	534	835	94	377+79	-	416+56	LT	USH 18	-	6628	472	750	1155	129	416+56	-	425+99	LT	USH 18	-	1632	116	184	419	47	425+99	-	471+55	LT	USH 18	-	7838	559	886	1705	191	471+55	-	534+47	LT	USH 18	-	10995	800	1270	1702	191	534+47	-	597+05	LT	USH 18	17	10589	758	1202	2320	260	SUBTOTAL 0010					34	46006	3299	5235	8269	927	330+00	-	350+96	RT	USH 18	17	3888	278	441	951	107	350+96	-	377+79	RT	USH 18	-	4984	355	564	2227	249	377+79	-	416+56	RT	USH 18	-	6687	478	758	1364	153	416+56	-	425+99	RT	USH 18	-	1643	118	187	229	26	425+99	-	471+55	RT	USH 18	-	8061	574	911	2324	260	471+55	-	534+47	RT	USH 18	-	10889	801	1271	2930	329	534+47	-	597+05	RT	USH 18	17	10665	762	1208	1981	222	SUBTOTAL 0010					34	46817	3366	5340	12006	1346	TOTAL 0010					68	92823	6665	10575	20275	2273
STATION TO	STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0500 SHAPING SHOULDERS STA	624.0100 WATER MGAL																																																																																																																																																																																																																																																									
330+00	-	597+05	USH 18 - LT SHLDR	1399	267	14.0																																																																																																																																																																																																																																																								
330+00	-	597+05	USH 18 - RT SHLDR	1433	267	14.3																																																																																																																																																																																																																																																								
	-		P.E./F.E./C.E. - LT	14	-	0.1																																																																																																																																																																																																																																																								
	-		P.E./F.E./C.E. - RT	28	-	0.3																																																																																																																																																																																																																																																								
	-		UNDISTRIBUTED	287	-	2.9																																																																																																																																																																																																																																																								
TOTAL 0010			3161	534	31.6																																																																																																																																																																																																																																																									
STATION TO	STATION	OFFSET	LOCATION	204.0115 REMOVING ASPHALTIC SURFACE BUTT JOINTS SY	204.0120 REMOVING ASPHALTIC SURFACE MILLING SY	455.0605 TACK COAT GAL	460.5224 HMA PAVEMENT 4 LT 58-28 S TON	SPV.0180.01 REMOVING DISTRESSED PAVEMENT MILLING SY	SPV.0195.01 EXTRA DEPTH HMA PAVEMENT TON																																																																																																																																																																																																																																																					
330+00	-	350+96	LT	USH 18	17	3592	258	409	133	15																																																																																																																																																																																																																																																				
350+96	-	377+79	LT	USH 18	-	4732	336	534	835	94																																																																																																																																																																																																																																																				
377+79	-	416+56	LT	USH 18	-	6628	472	750	1155	129																																																																																																																																																																																																																																																				
416+56	-	425+99	LT	USH 18	-	1632	116	184	419	47																																																																																																																																																																																																																																																				
425+99	-	471+55	LT	USH 18	-	7838	559	886	1705	191																																																																																																																																																																																																																																																				
471+55	-	534+47	LT	USH 18	-	10995	800	1270	1702	191																																																																																																																																																																																																																																																				
534+47	-	597+05	LT	USH 18	17	10589	758	1202	2320	260																																																																																																																																																																																																																																																				
SUBTOTAL 0010					34	46006	3299	5235	8269	927																																																																																																																																																																																																																																																				
330+00	-	350+96	RT	USH 18	17	3888	278	441	951	107																																																																																																																																																																																																																																																				
350+96	-	377+79	RT	USH 18	-	4984	355	564	2227	249																																																																																																																																																																																																																																																				
377+79	-	416+56	RT	USH 18	-	6687	478	758	1364	153																																																																																																																																																																																																																																																				
416+56	-	425+99	RT	USH 18	-	1643	118	187	229	26																																																																																																																																																																																																																																																				
425+99	-	471+55	RT	USH 18	-	8061	574	911	2324	260																																																																																																																																																																																																																																																				
471+55	-	534+47	RT	USH 18	-	10889	801	1271	2930	329																																																																																																																																																																																																																																																				
534+47	-	597+05	RT	USH 18	17	10665	762	1208	1981	222																																																																																																																																																																																																																																																				
SUBTOTAL 0010					34	46817	3366	5340	12006	1346																																																																																																																																																																																																																																																				
TOTAL 0010					68	92823	6665	10575	20275	2273																																																																																																																																																																																																																																																				

HMA QMP ITEMS									
				460.2005	460.2007	460.2010	740.0440	SPV.0060.01	SPV.0060.02
				INCENTIVE	INCENTIVE DENSITY	INCENTIVE	INCENTIVE	HMA PAVEMENT	HMA PAVEMENT
				DENSITY PWL	HMA PAVMENT	AIR VOIDS HMA	IRI	PWL TEST STRIP	PWL TEST STRIP
				HMA PAVEMENT	LONGITUDINAL JOINTS	PAVEMENT	RIDE	DENSITY	VOLUMETRICS
STATION TO	STATION	LOCATION	DOL	DOL	DOL	DOL	DOL	EACH	EACH
330+00	-	597+05	USH 18 - UPPER LAYER	7980	10120	10580	20231	1	1
TOTAL 0010				7980	10120	10580	20231	1	1
HMA QMP MIXTURE USE TABLE:									
LOCATION	STATION	MIXTURE USE	UNDERLYING SURFACE	BID ITEM	TONS	THICKNESS	QUALITY MANAGEMENT PROGRAM TO BE USED:		
							MIXTURE ACCEPTANCE		DENSITY ACCEPTANCE
12 FT DRIVING LANES	330+00 TO 597+05	UPPER LAYER	EXISTING RECYCLED ASPHALTIC SURFACE	HMA PAVEMENT 4 LT 58-28 S	7,976	2"	ITEM 460.2010 INCENTIVE AIR VOIDS HMA PAVEMENT		ITEM 460.2005 INCENTIVE DENSITY PWL HMA PAVEMENT
SHOULDERS, TURN LANES, INTERSECTIONS	330+00 TO 597+05	UPPER LAYER	EXISTING RECYCLED ASPHALTIC SURFACE	HMA PAVEMENT 4 LT 58-28 S	2,599	2"	ITEM 460.2010 INCENTIVE AIR VOIDS HMA PAVEMENT		ACCEPTANCE TESTING BY THE DEPARTMENT; NOT ELIGIBLE FOR INCENTIVE

3

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

ASPHALT CENTER LINE RUMBLE STRIPS 2-LANE RURAL

STATION TO		STATION	LOCATION	465.0475 LF
330+00	-	350+96	USH 18	1724
350+96	-	377+79	USH 18	2183
377+79	-	416+56	USH 18	3477
416+56	-	425+99	USH 18	543
425+99	-	471+55	USH 18	3957
471+55	-	534+47	USH 18	5693
534+47	-	597+05	USH 18	5941
TOTAL 0010				23518

GUARDRAIL ITEMS

STATION TO		STATION	LOCATION	204.0165 REMOVING GUARDRAIL LF	614.2300 MGS GUARDRAIL 3 LF	614.2330 MGS GUARDRAIL 3 K LF	614.2610 MGS GUARDRAIL TERMINAL EAT EACH
492+91	-	493+41	USH 18 - LT	-	-	-	1
493+41	-	495+20	USH 18 - LT	216.0	112.5	62.5	-
495+20	-	495+69	USH 18 - LT	-	-	-	1
492+41	-	492+92	USH 18 - RT	-	-	-	1
492+92	-	495+51	USH 18 - RT	214.5	200.0	50.0	-
495+51	-	496+02	USH 18 - RT	-	-	-	1
TOTAL 0010				430.5	312.5	112.5	4

3

MOBILIZATIONS

STATION TO		STATION	LOCATION	619.1000 MOBILIZATION EACH	628.1905 EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
330+00	-	597+05	USH 18	0.50	2	2
TOTAL 0010				0.50	2	2

BARRIER SYSTEM GRADING SHAPING FINISHING

STATION TO		STATION	LOCATION	614.0010 BARRIER SYSTEM GRADING SHAPING FINISHING EACH	FOR INFORMATIONAL PURPOSES ONLY					
				EACH	EXCAVATION COMMON CY	BORROW TOPSOIL CY	SALVAGED MIXTURE SY	SEEDING NO. 60 LB	SEEDING TEMPORARY LB	CONSTRUCTION STAKING SLOPE STAKES LF
49173.21	-	49687.22	USH 18 - LT		37	-	423	10	20	514
49119.63	-	49723.69	USH 18 - RT	1	13	58	246	8	16	604
TOTAL 0010				2	50	58	669	18	36	1118

EROSION CONTROL ITEMS

STATION TO		STATION	LOCATION	628.1104 EROSION BALES EACH	628.1504 SILT FENCE LF	628.1520 SILT FENCE LF	628.2008 EROSION MAT URBAN CLASS I TYPE B SY
491+73	-	496+87	USH 18 - LT	20	596	596	745
491+20	-	497+24	USH 18 - RT	20	649	649	583
	-		UNDISTRIBUTED	10	125	125	199
TOTAL 0010				50	1370	1370	1527

INLET PROTECTION TYPE C

CATEGORY	STATION	LOCATION	628.7015 EACH
0010	10+48 'D'	CTH D - LT	1
TOTAL 0010			1

TRAFFIC CONTROL ITEMS

LOCATION	EACH* DAY		643.0310.S PORTABLE RUMBLE STRIPS LS	EACH* DAY		643.0900 TRAFFIC CONTROL SIGNS EACH* DAY	EACH* DAY		643.1050 TRAFFIC CONTROL SIGNS PCMS EACH	643.5000 TRAFFIC CONTROL EACH	REMARKS
PROJECT LIMITS	-	-	0.5	20	900	2.0	14.0	0.5			SEE SDD'S 15C4 & 15C12
GUARDRAIL - LT	17	119	-	1	7	-	-	-			SEE SDD 15D28
GUARDRAIL - RT	18	126	-	1	7	-	-	-			SEE SDD 15D28
TOTAL 0010		245	0.5		914		14.0	0.5			

*FOR INFORMATIONAL PURPOSES ONLY

NOTE: ALL ITEMS ARE CATEGORY 0010 UNLESS OTHERWISE NOTED

PAVEMENT MARKING ITEMS												
		646.1020		646.1040		646.3040		646.4520		646.6120	649.0105	
		MARKING LINE		MARKING LINE		MARKING LINE		MARKING LINE		MARKING	TEMPORARY	
		EPOXY		GROOVED WET REF		GROOVED WET REF		SAME DAY		STOP	MARKING LINE	
		4-INCH		EPOXY 4-INCH		EPOXY 8-INCH		EPOXY 4-INCH		LINE	PAINT 4-INCH	
		YELLOW	YELLOW	WHITE	WHITE	WHITE		YELLOW	YELLOW	EPOXY	YELLOW	YELLOW
		SOLID	12.5' SKIP	SOLID	3' SKIP	SOLID		SOLID	12.5' SKIP	18-INCH	SOLID	12.5' SKIP
STATION TO	STATION	LOCATION	LF		LF	LF	LF	LF	LF	LF	LF	LF
330+00	- 350+96	USH 18 - LT	2097	-	2041	40	-	2097	-	-	4194	-
350+96	- 377+79	USH 18 - LT	1457	307	2295	63	-	1457	307	-	2934	584
377+79	- 416+56	USH 18 - LT	3877	-	3666	23	-	3877	-	-	7086	168
416+56	- 425+99	USH 18 - LT	397	-	779	23	-	397	-	-	397	236
425+99	- 471+55	USH 18 - LT	1338	273	4501	-	-	1338	273	-	3765	806
471+55	- 534+47	USH 18 - LT	3540	689	5996	38	-	3540	689	-	6030	952
534+47	- 597+05	USH 18 - LT	1556	1176	6133	15	-	1556	1176	-	3619	1553
330+00	- 350+96	USH 18 - RT	2097	-	2015	-	100	2097	-	-	-	-
350+96	- 377+79	USH 18 - RT	1477	277	2466	23	-	1477	277	-	-	-
377+79	- 416+56	USH 18 - RT	3209	168	3822	-	-	3209	168	-	-	-
416+56	- 425+99	USH 18 - RT	-	236	810	23	-	-	236	-	-	-
425+99	- 471+55	USH 18 - RT	2427	533	4254	57	-	2427	533	-	-	-
471+55	- 534+47	USH 18 - RT	2490	263	5989	60	-	2490	263	-	-	-
534+47	- 597+05	USH 18 - RT	2063	377	6210	-	-	2063	377	-	-	-
9+00 D	10+00 D	CTH D	-	-	-	-	-	-	-	25	-	-
10+00 D	11+00 D	CTH D	-	-	-	-	-	-	-	25	-	-
9+00 P	10+00 P	CTH P	102	-	33	-	-	-	-	19	-	-
10+00 P	11+00 P	CTH P	117	-	34	-	-	-	-	20	-	-
SUBTOTAL 0010			28244	4299	51044	365	100	28025	4299	89	28025	4299
TOTAL 0010			32543		51409		100	32324		89	32324	

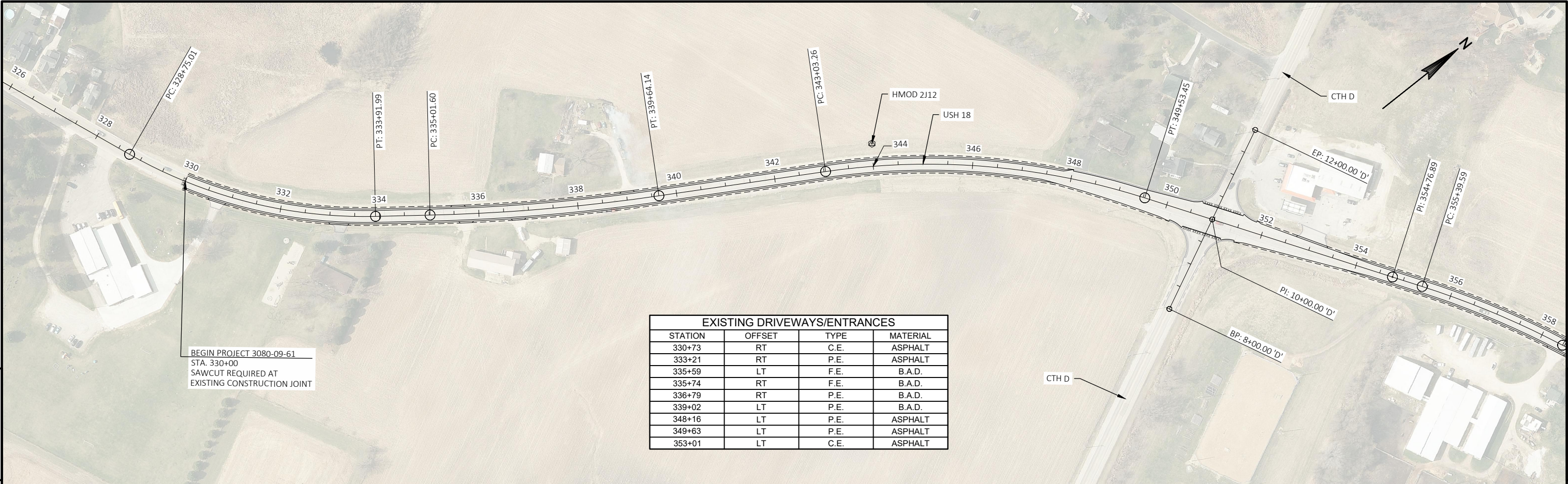
LOCATING NO-PASSING ZONES			
		648.0100	
STATION TO	STATION	LOCATION	MI
33000	- 59704.57	USH 18	5.06
		TOTAL 0010	5.06

SAWING ASPHALT			
		690.0150	
STATION	LOCATION	LF	REMARKS
330+00	USH 18	30	
330+73	USH 18 - RT	32	C.E.
333+21	USH 18 - RT	36	P.E.
350+96	USH 18 - LT	92	CTH D
350+96	USH 18 - RT	88	CTH D
353+01	USH 18 - LT	62	C.E.
377+79	USH 18 - LT	77	DUCK CREEK RD
377+79	USH 18 - RT	23	DUCK CREEK RD
416+56	USH 18 - LT	79	FARMINGTON RD
425+99	USH 18 - RT	80	ROME RD
454+44	USH 18 - LT	40	P.E.
458+47	USH 18 - RT	54	C.E.
471+55	USH 18 - LT	28	CTH P
471+55	USH 18 - RT	27	CTH P
534+47	USH 18 - LT	26	PIONEER DR
534+47	USH 18 - RT	70	PIONEER DR
561+35	USH 18 - LT	30	P.E.
597+05	USH 18	30	
TOTAL 0010		904	

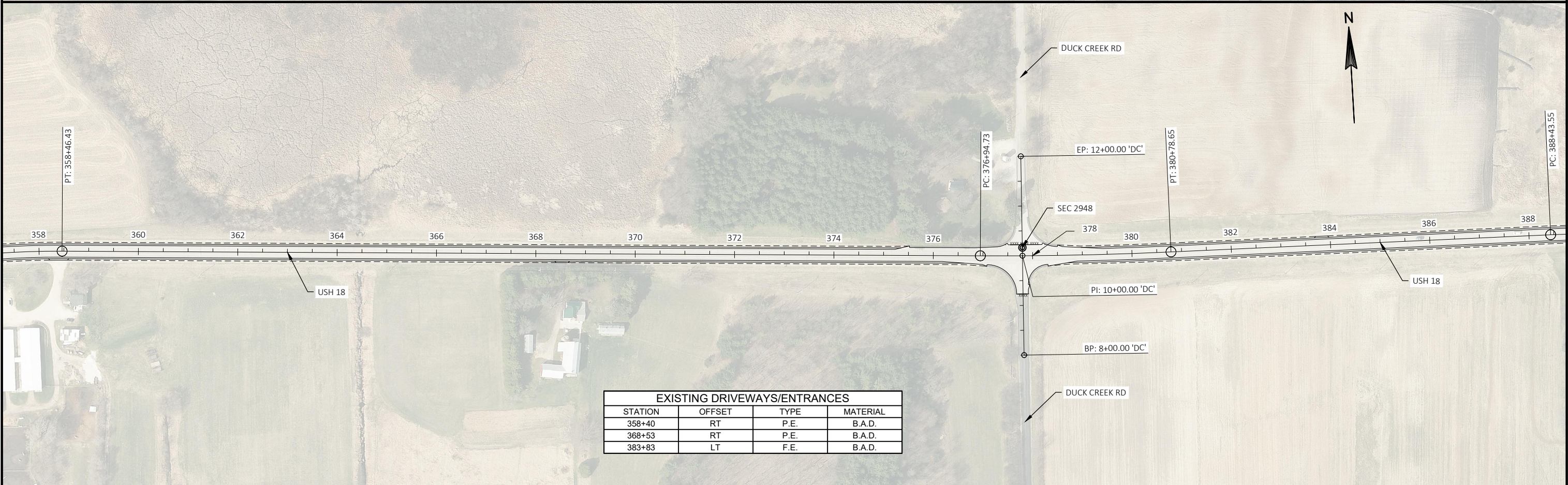
CONSTRUCTION STAKING ITEMS					
		650.8000		650.9910	
		CONSTRUCTION		CONSTRUCTION STAKING	
		STAKING RESURFACING		SUPPLEMENTAL CONTROL	
		REFERENCE		(02. 3080-09-61)	
STATION TO	STATION	LOCATION	LF	LS	
330+00	- 597+05	USH 18	26705	-	
	-	PROJECT	-	1	
TOTAL 0010			26705	1	

VERIFY LANDMARK REFERENCE MONUMENTS			
		SPV.0060.03	
STATION	LOCATION	EACH	REMARKS
	USH 18 - LT	1	SEC 2948
431+75	USH 18 - RT	1	SEC 2547
TOTAL 0010		2	

5



5

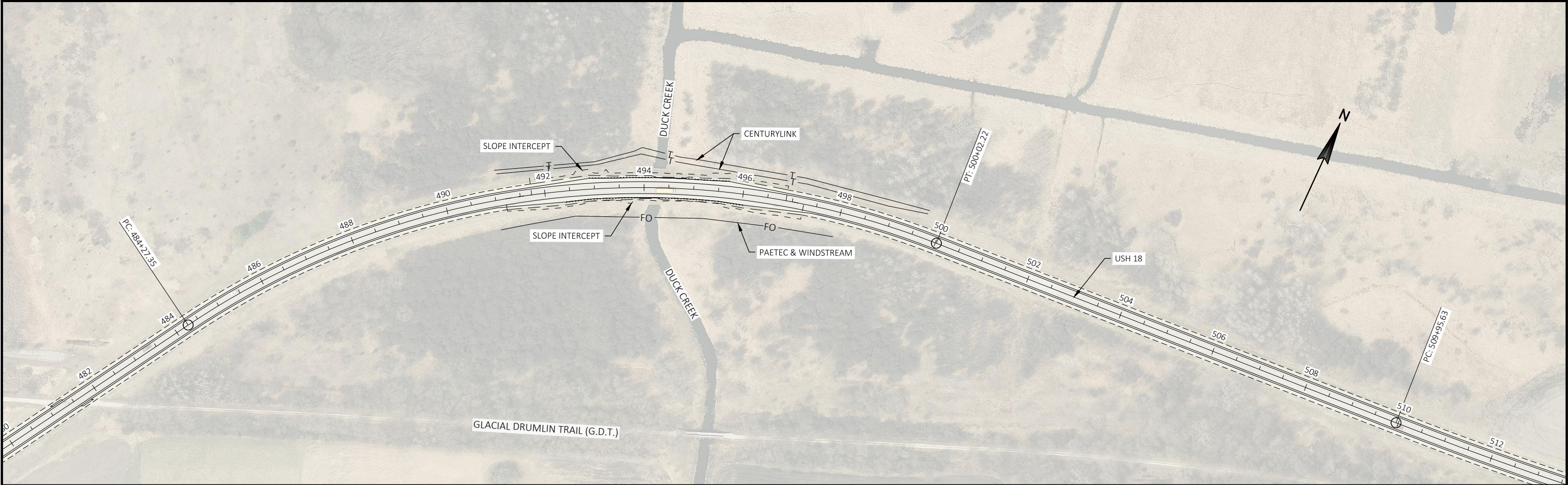
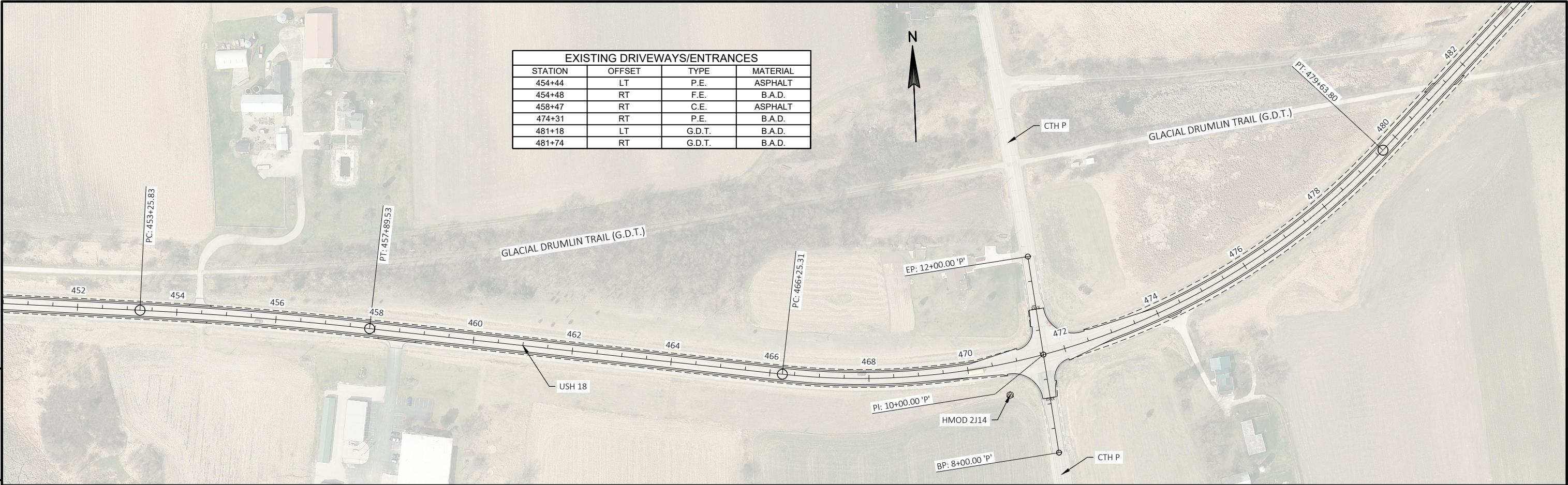


5

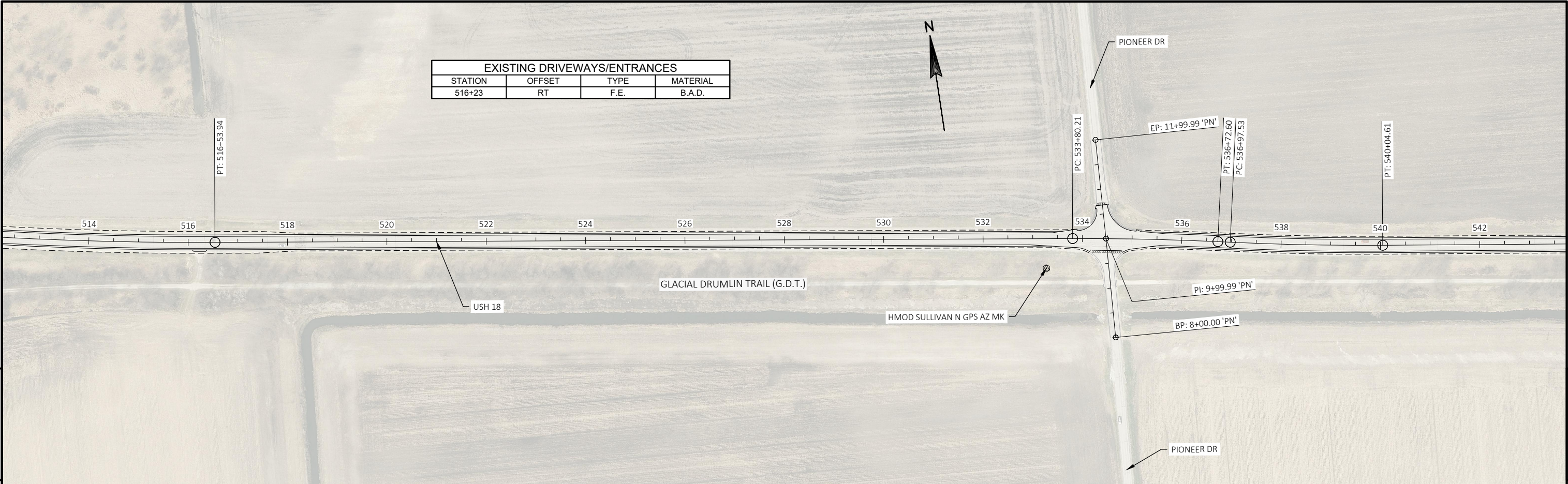


5

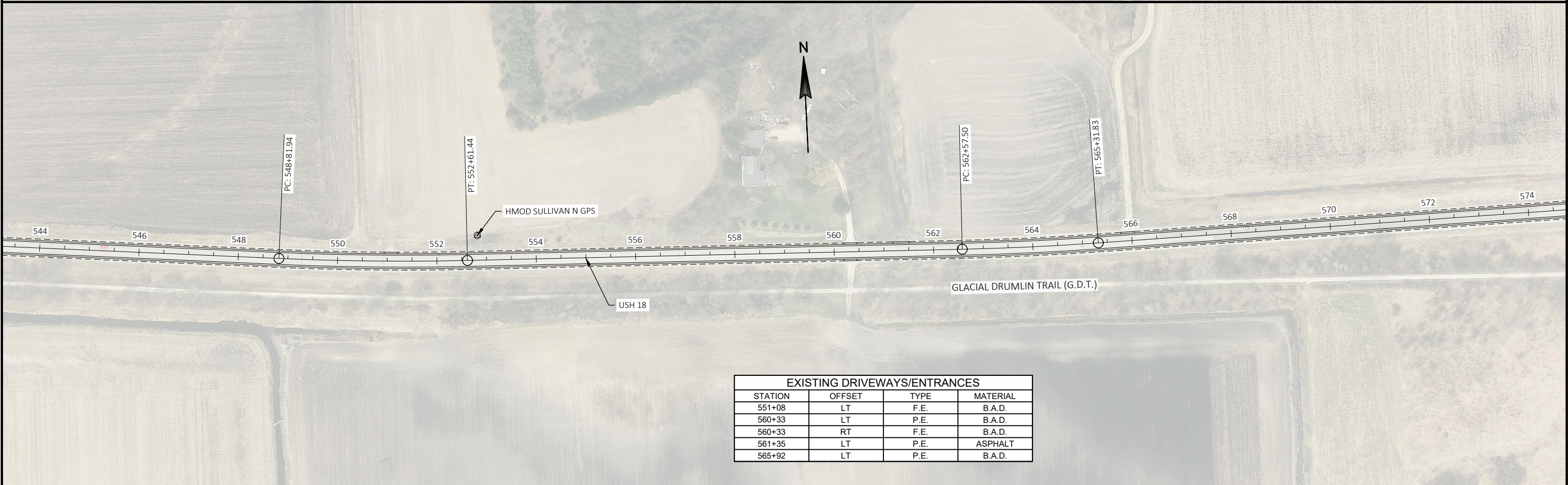




EXISTING DRIVEWAYS/ENTRANCES			
STATION	OFFSET	TYPE	MATERIAL
516+23	RT	F.E.	B.A.D.



EXISTING DRIVEWAYS/ENTRANCES			
STATION	OFFSET	TYPE	MATERIAL
551+08	LT	F.E.	B.A.D.
560+33	LT	P.E.	B.A.D.
560+33	RT	F.E.	B.A.D.
561+35	LT	P.E.	ASPHALT
565+92	LT	P.E.	B.A.D.



PROJECT NO: 3080-09-61

HWY: USH 18

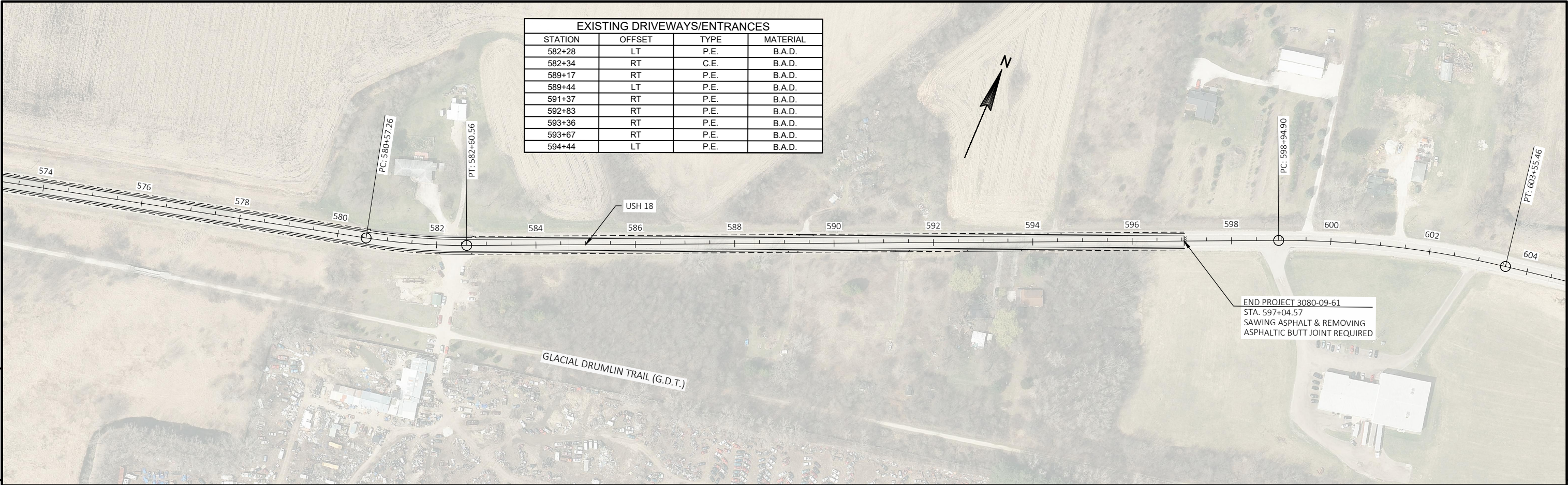
COUNTY: JEFFERSON

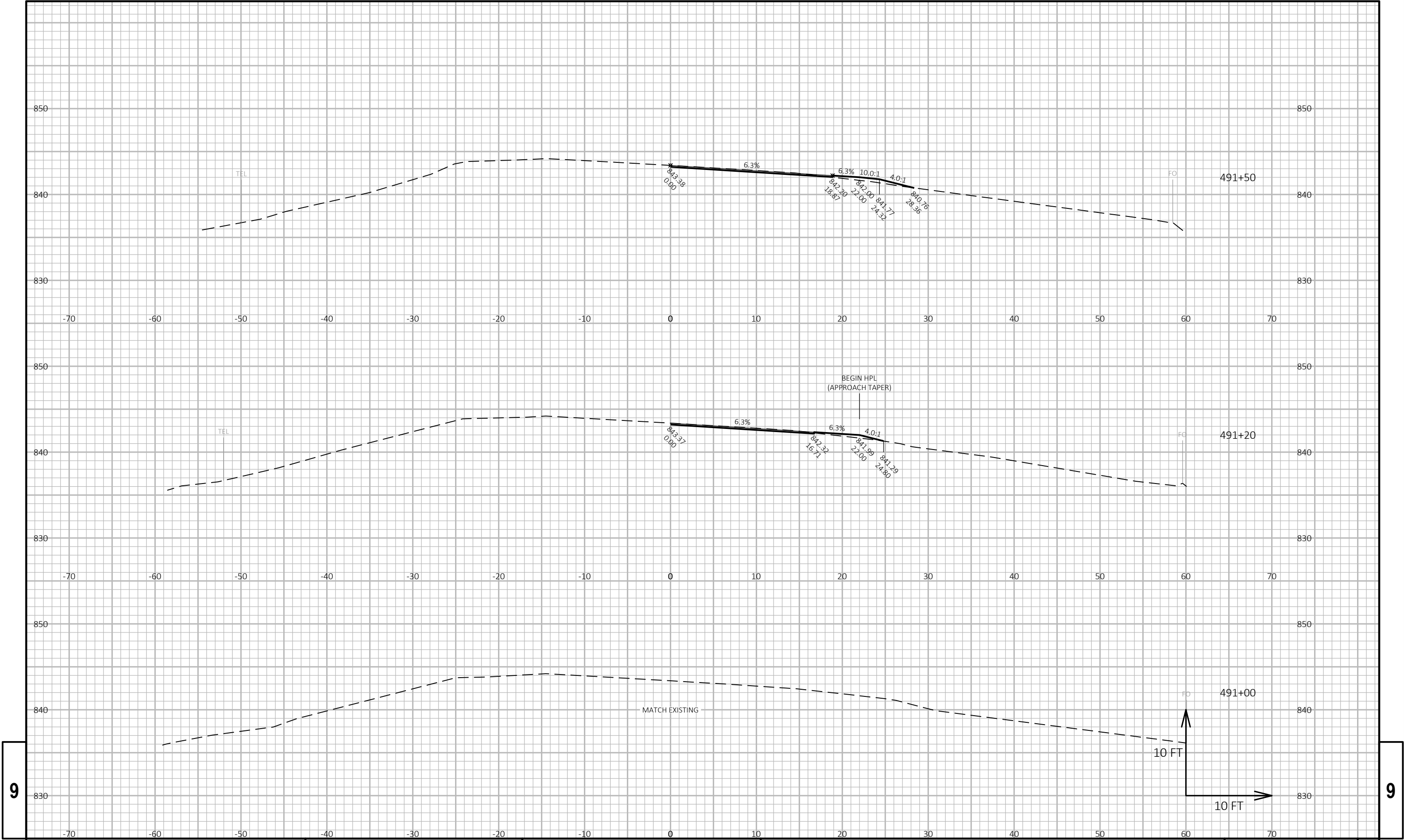
PLAN DETAILS

SHEET

E

EXISTING DRIVEWAYS/ENTRANCES			
STATION	OFFSET	TYPE	MATERIAL
582+28	LT	P.E.	B.A.D.
582+34	RT	C.E.	B.A.D.
589+17	RT	P.E.	B.A.D.
589+44	LT	P.E.	B.A.D.
591+37	RT	P.E.	B.A.D.
592+83	RT	P.E.	B.A.D.
593+36	RT	P.E.	B.A.D.
593+67	RT	P.E.	B.A.D.
594+44	LT	P.E.	B.A.D.

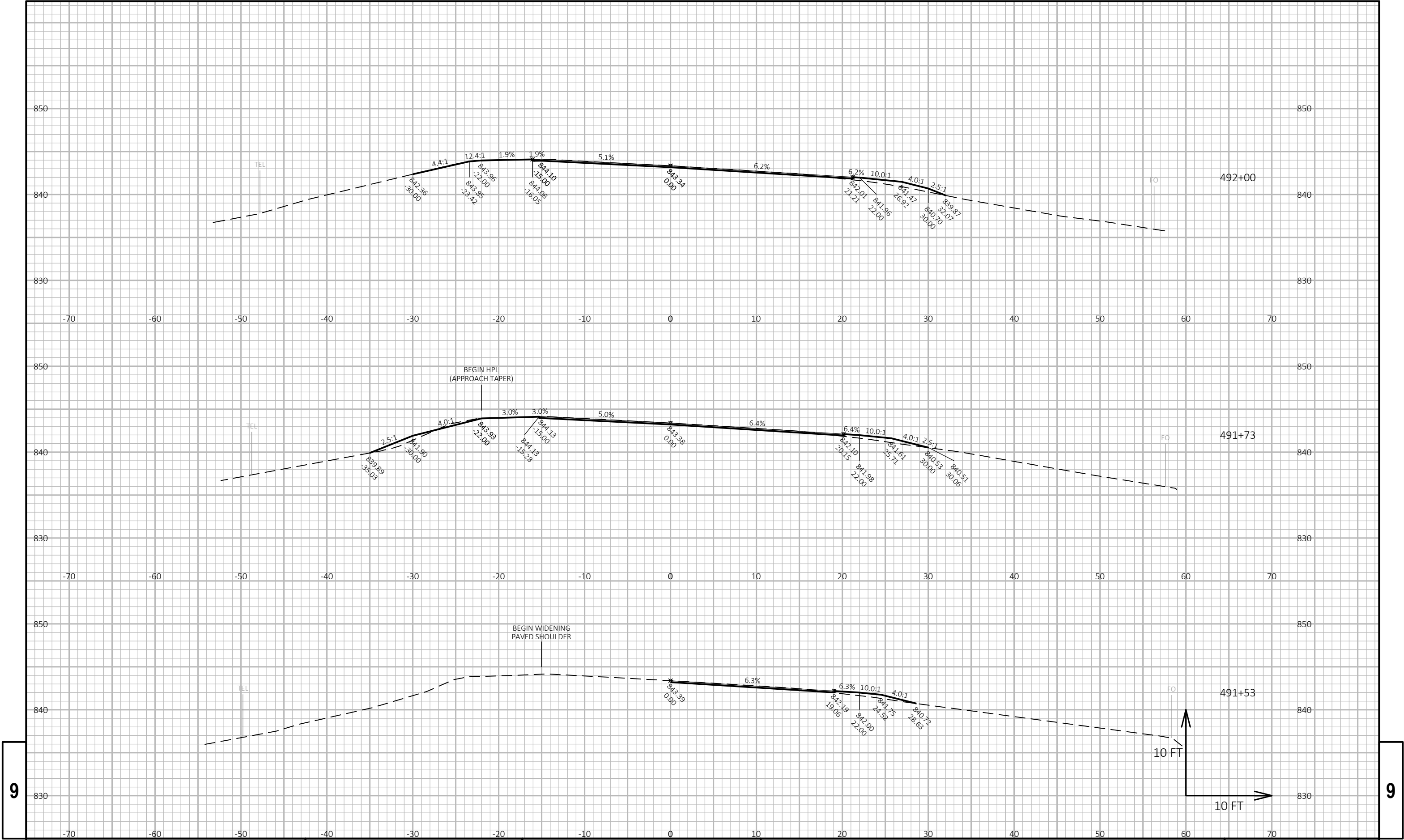




9

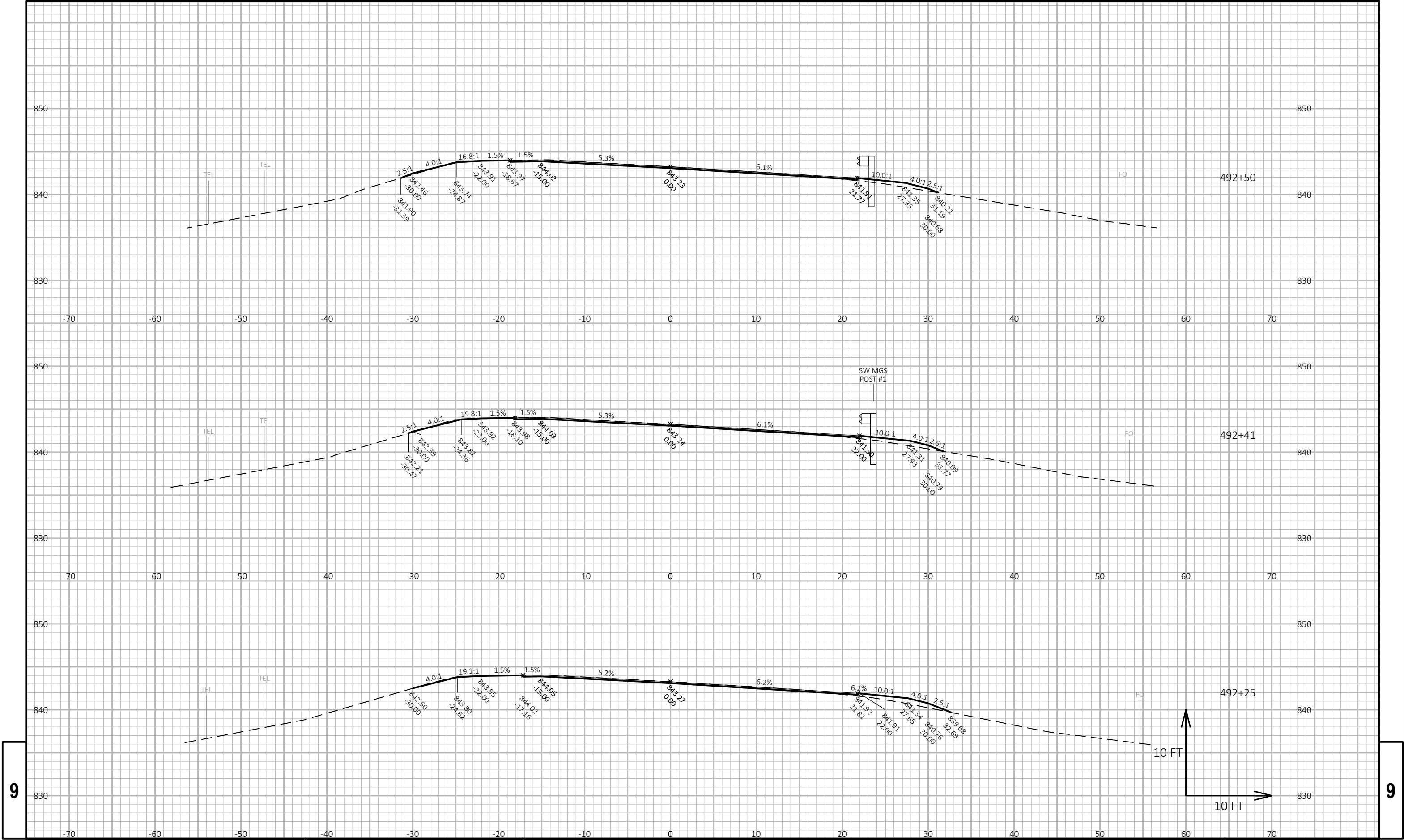
9

PROJECT NO: 3080-09-61	HWY: USH 18	COUNTY: JEFFERSON	CROSS SECTIONS: USH 18	SHEET ----	E
------------------------	-------------	-------------------	------------------------	------------	---



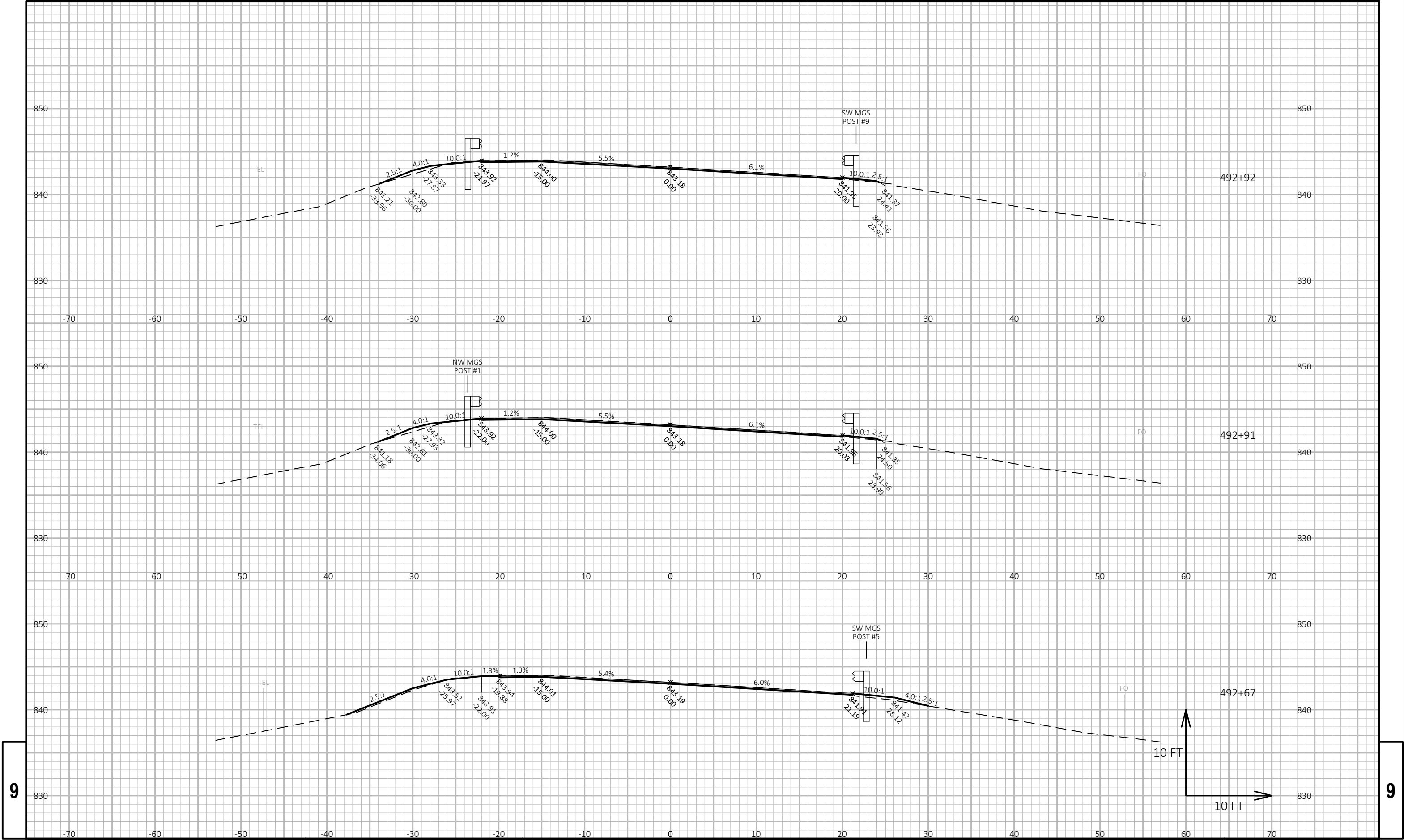
9

9



9

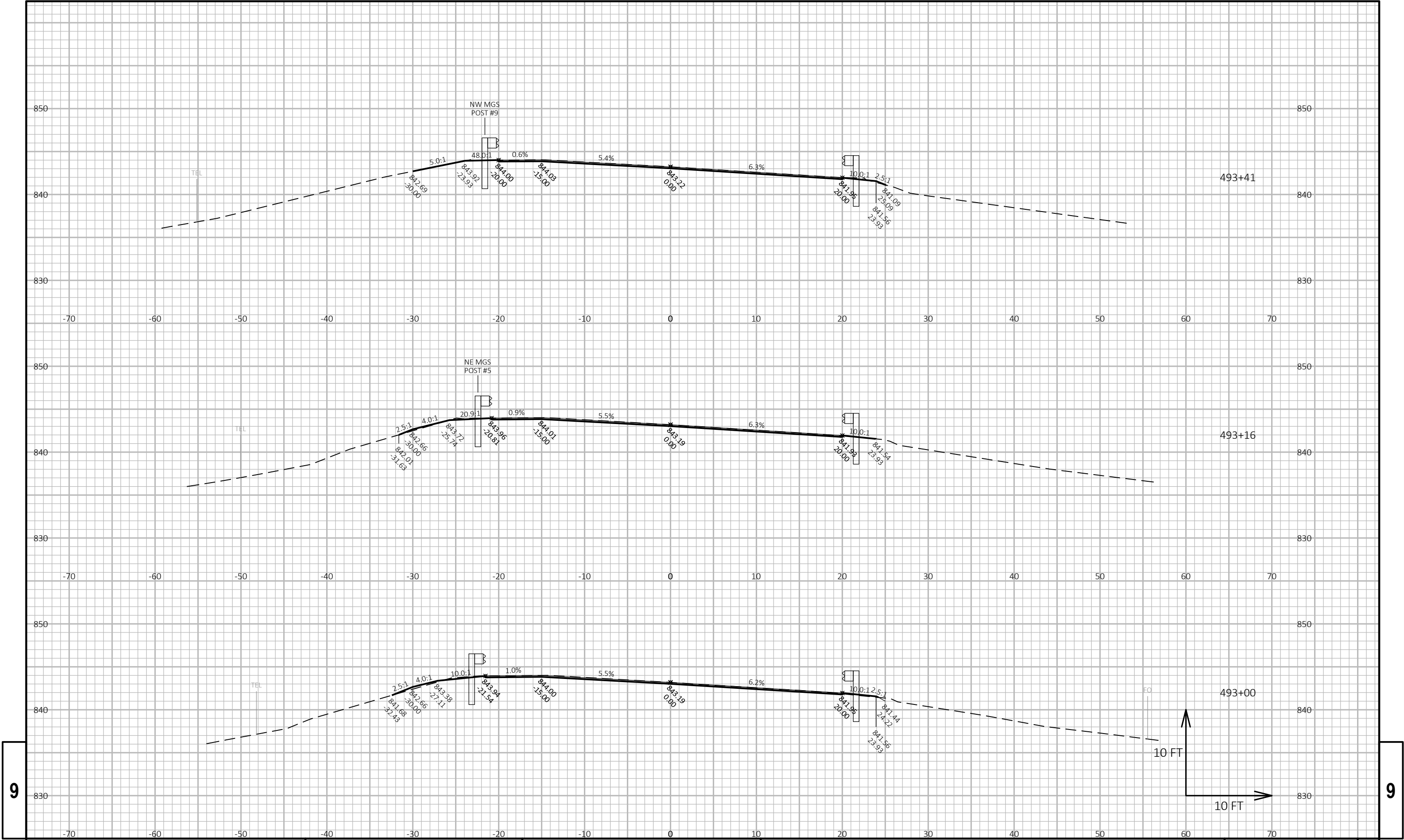
9



9

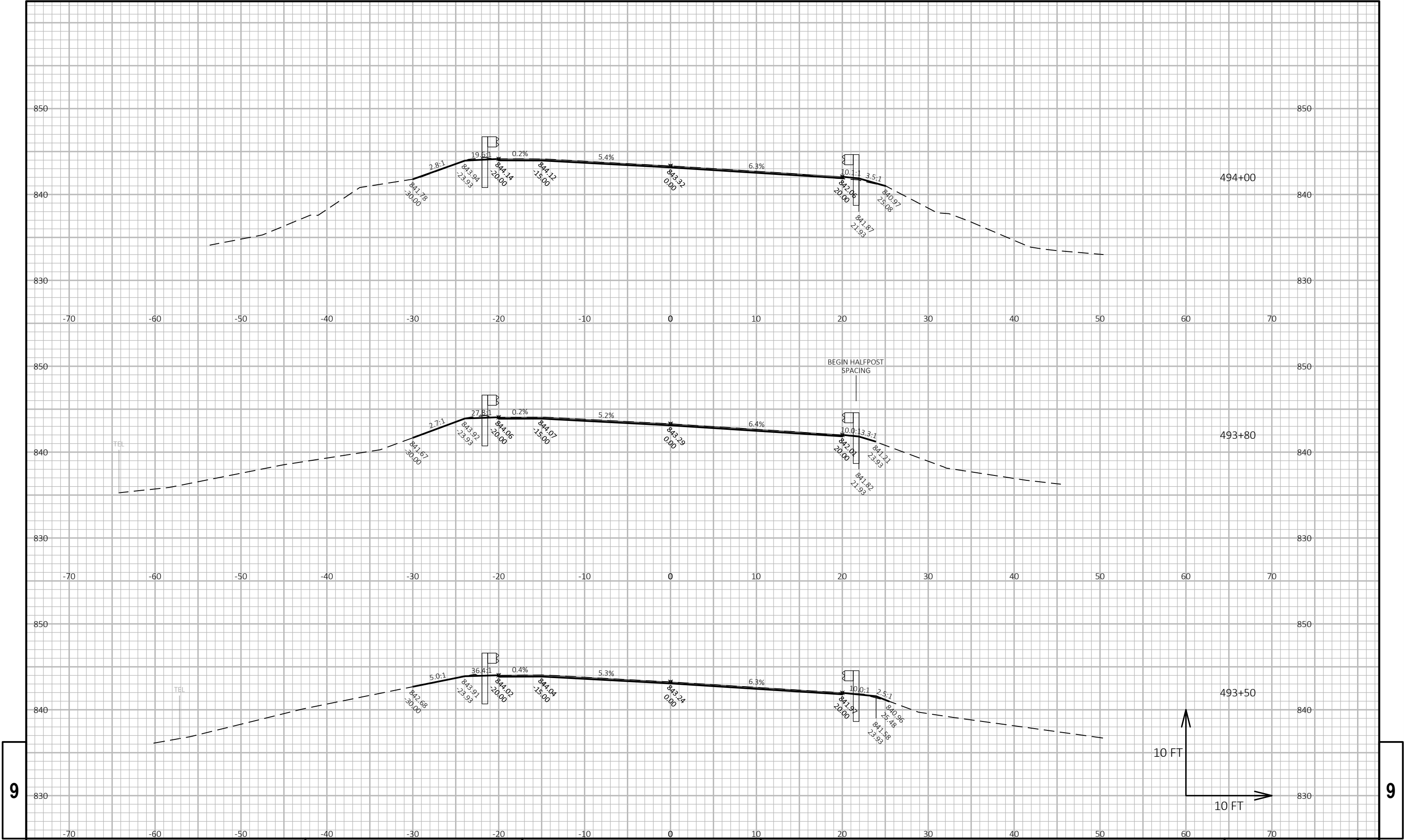
9

PROJECT NO: 3080-09-61	HWY: USH 18	COUNTY: JEFFERSON	CROSS SECTIONS: USH 18	SHEET ----	E
------------------------	-------------	-------------------	------------------------	------------	---



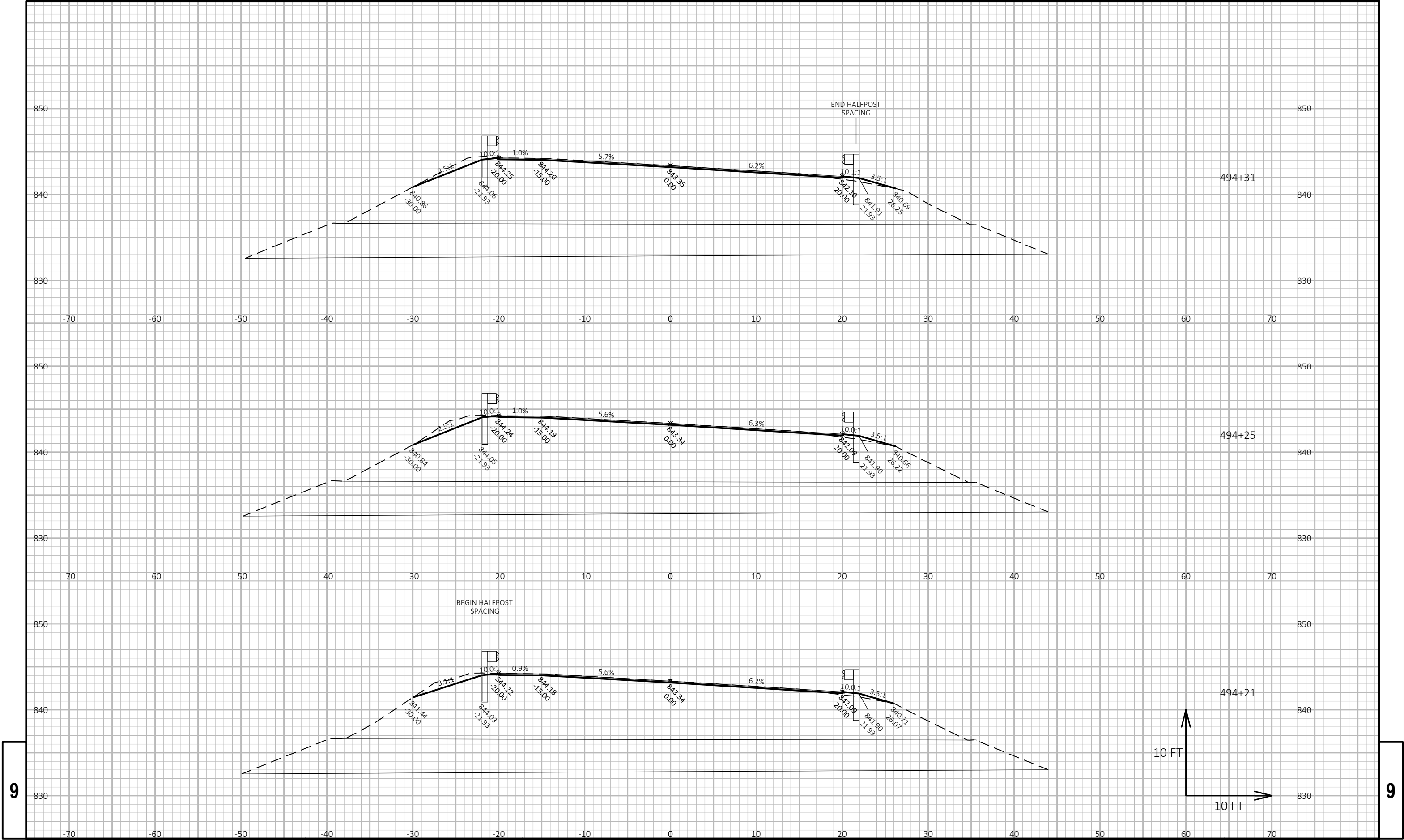
9

9



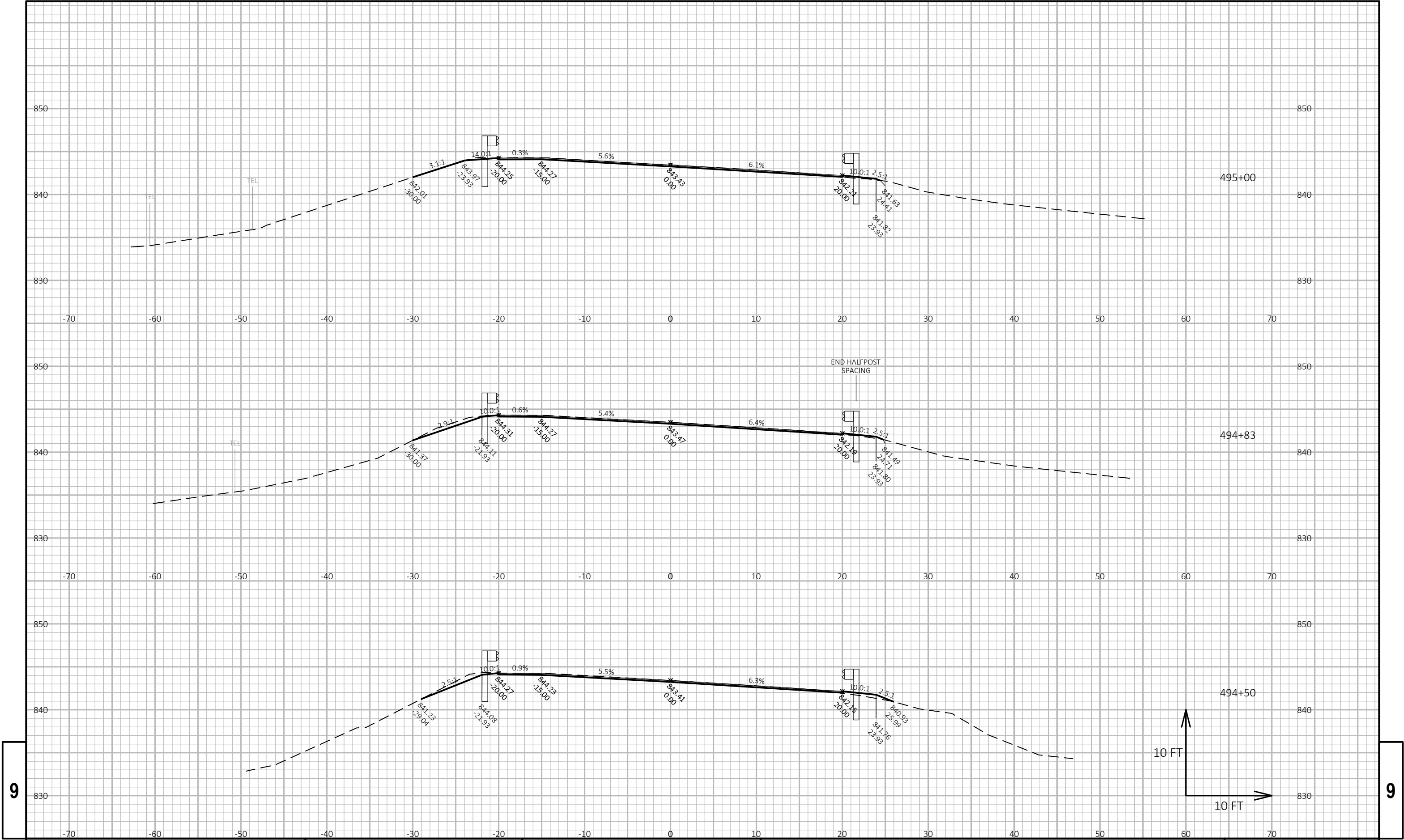
9

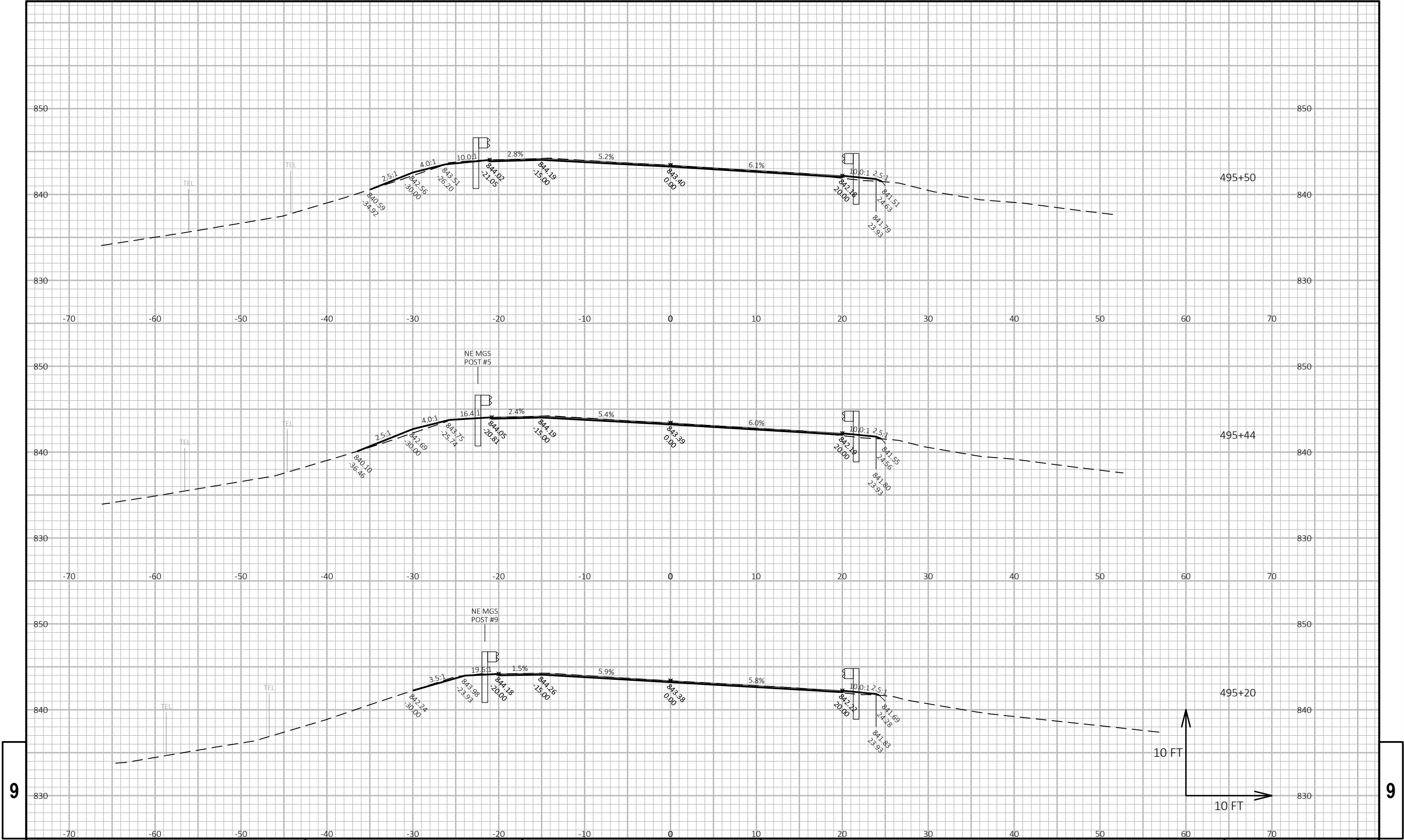
9



9

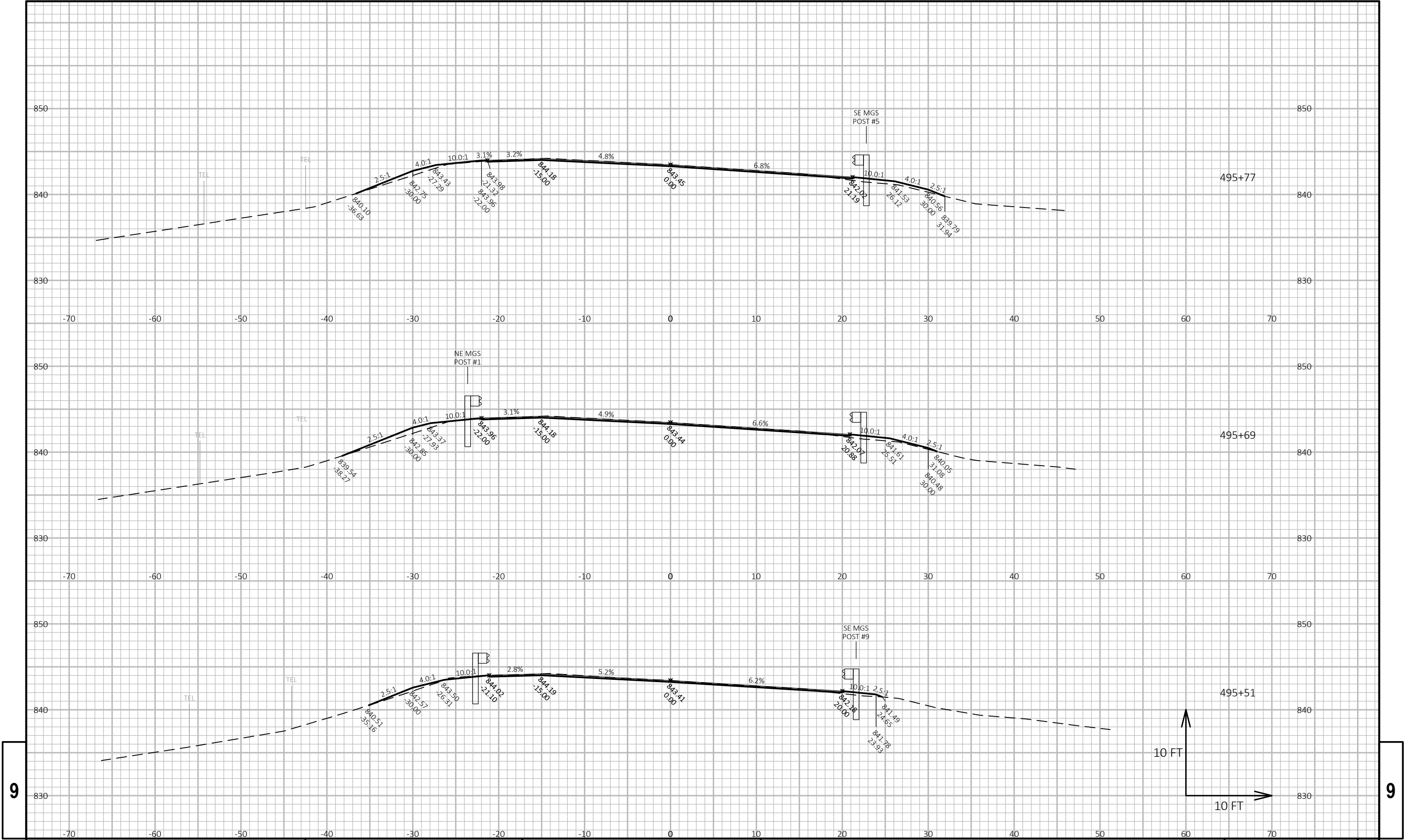
9





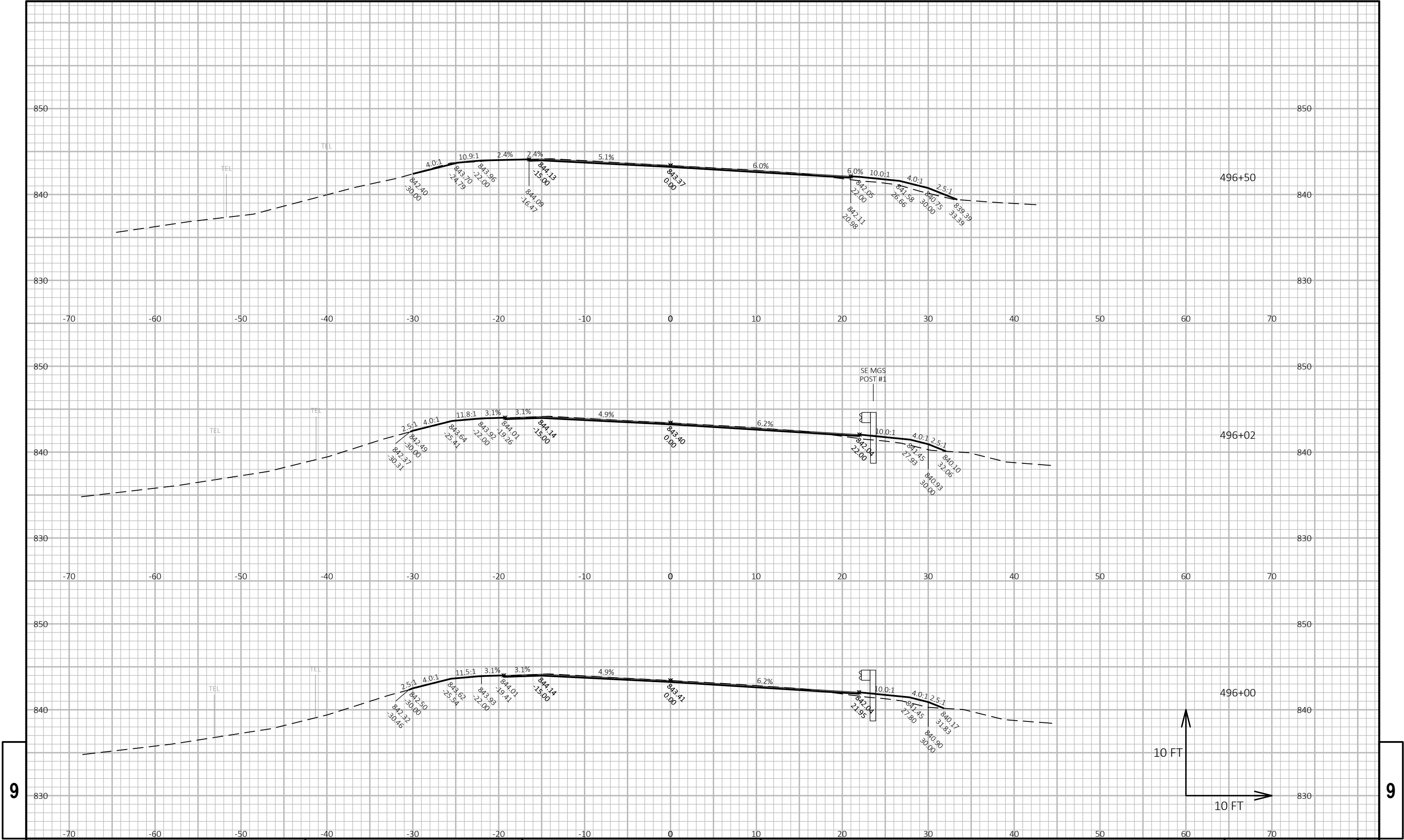
9

9



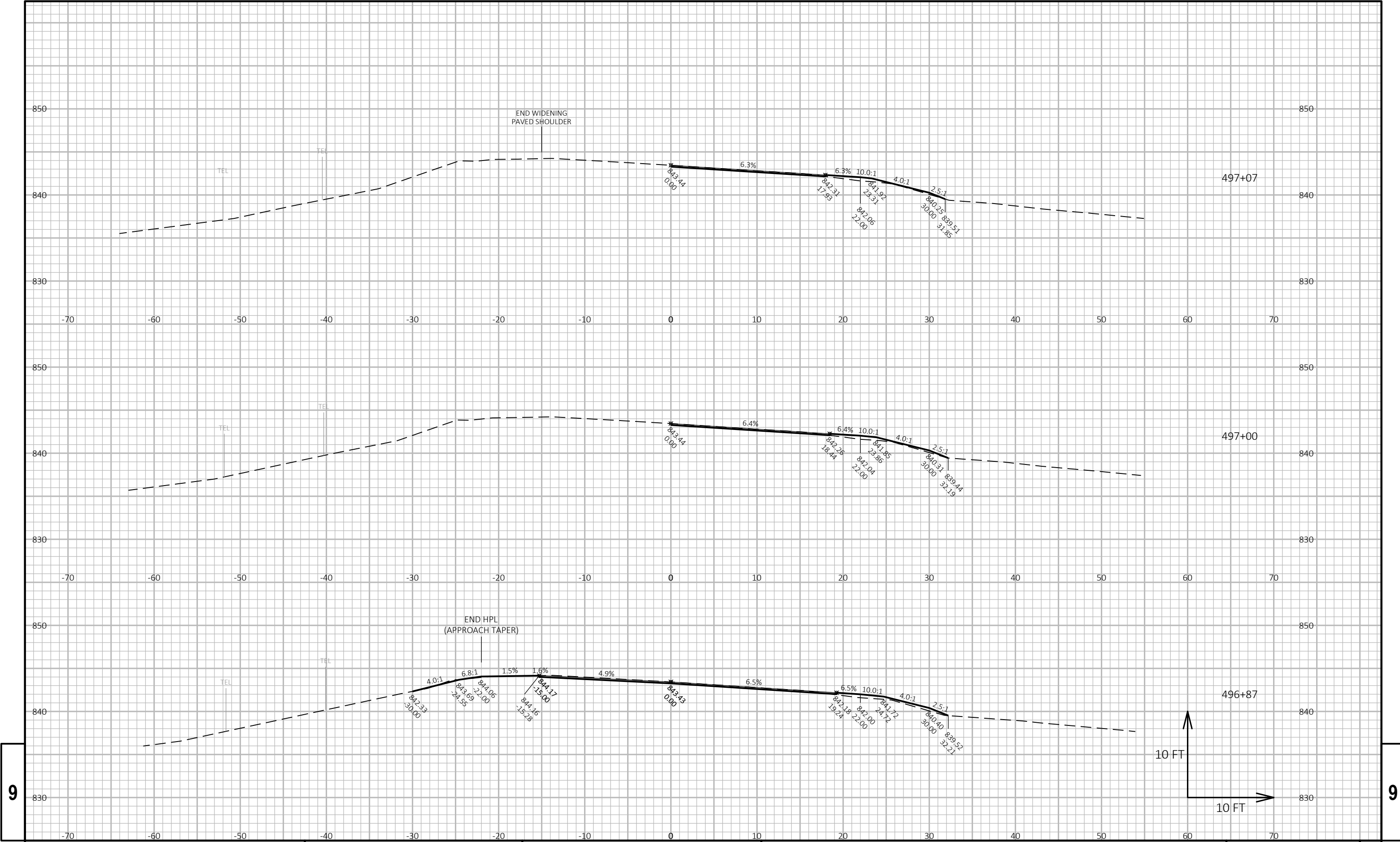
9

9



9

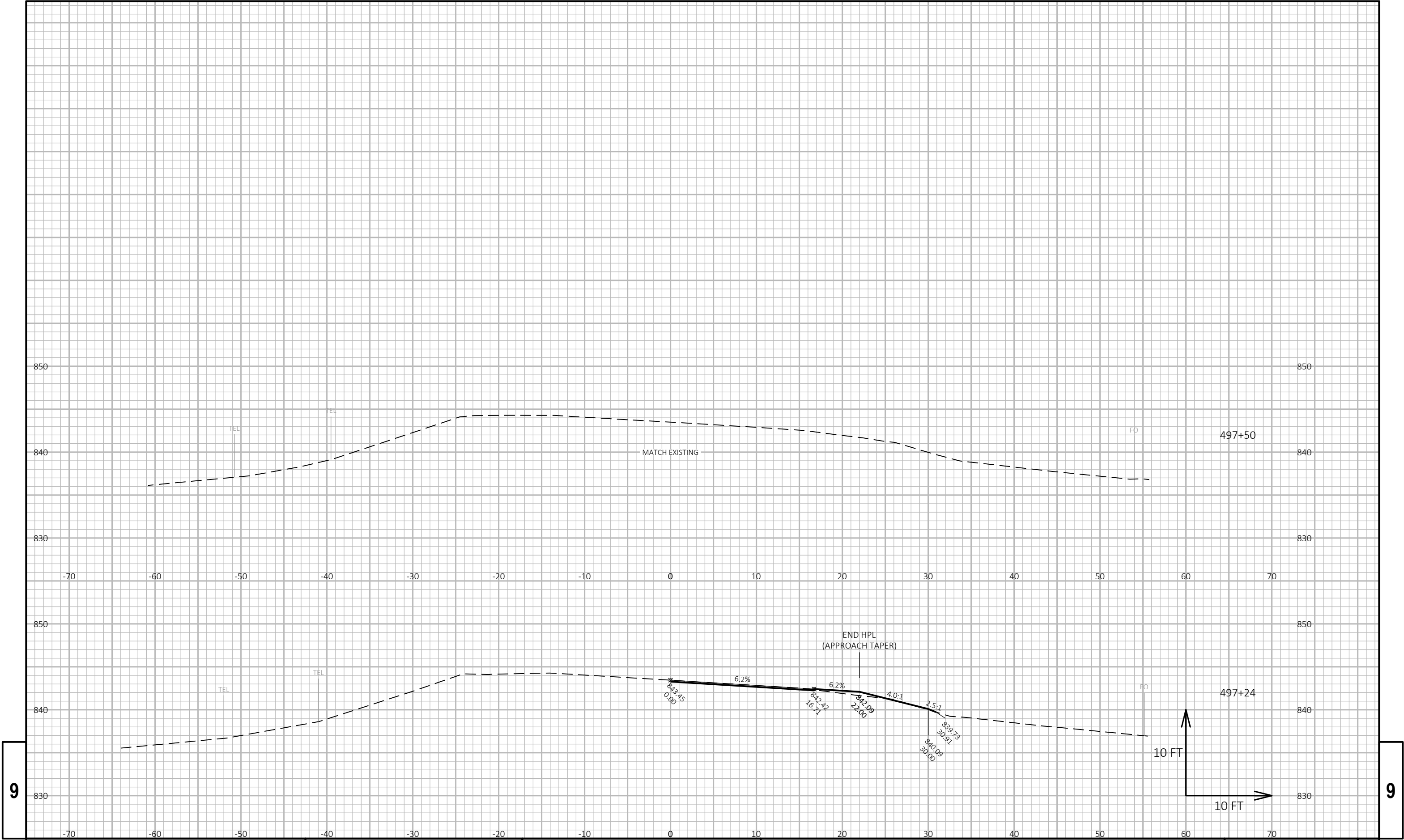
9



9

9

PROJECT NO: 3080-09-61	HWY: USH 18	COUNTY: JEFFERSON	CROSS SECTIONS: USH 18	SHEET ----	E
------------------------	-------------	-------------------	------------------------	------------	---



9

9

PROJECT NO: 3080-09-61	HWY: USH 18	COUNTY: JEFFERSON	CROSS SECTIONS: USH 18	SHEET ----	E
------------------------	-------------	-------------------	------------------------	------------	---