

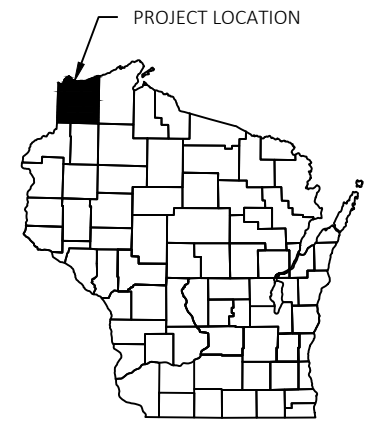
PROJECT ID: SUPER 150073

COUNTY: DOUGLAS

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 NONE REQUIRED
Section No.	5	Plan and Profile
Section No.	6	Standard Detail Drawings NOT UPDATED
Section No.	7	Sign Plates NONE REQUIRED
Section No.	8	Structure Plans NONE REQUIRED
Section No.	9	Computer Earthwork Data
Section No.	9	Cross Sections NOT UPDATED

TOTAL SHEETS =



DESIGN DESIGNATION

A.A.D.T.	20XX	=	XXX
A.A.D.T.	20XX	=	XXX
D.H.V.		=	XXX
D.D.		=	XX / XX
T.		=	XX%
DESIGN SPEED		=	40 MPH
ESALS		=	-----

CONVENTIONAL SYMBOLS

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

CITY OF SUPERIOR PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

MOCCASIN MIKE ROAD CULVERT REPLACEMENTS

CROSSING #2 AND #5

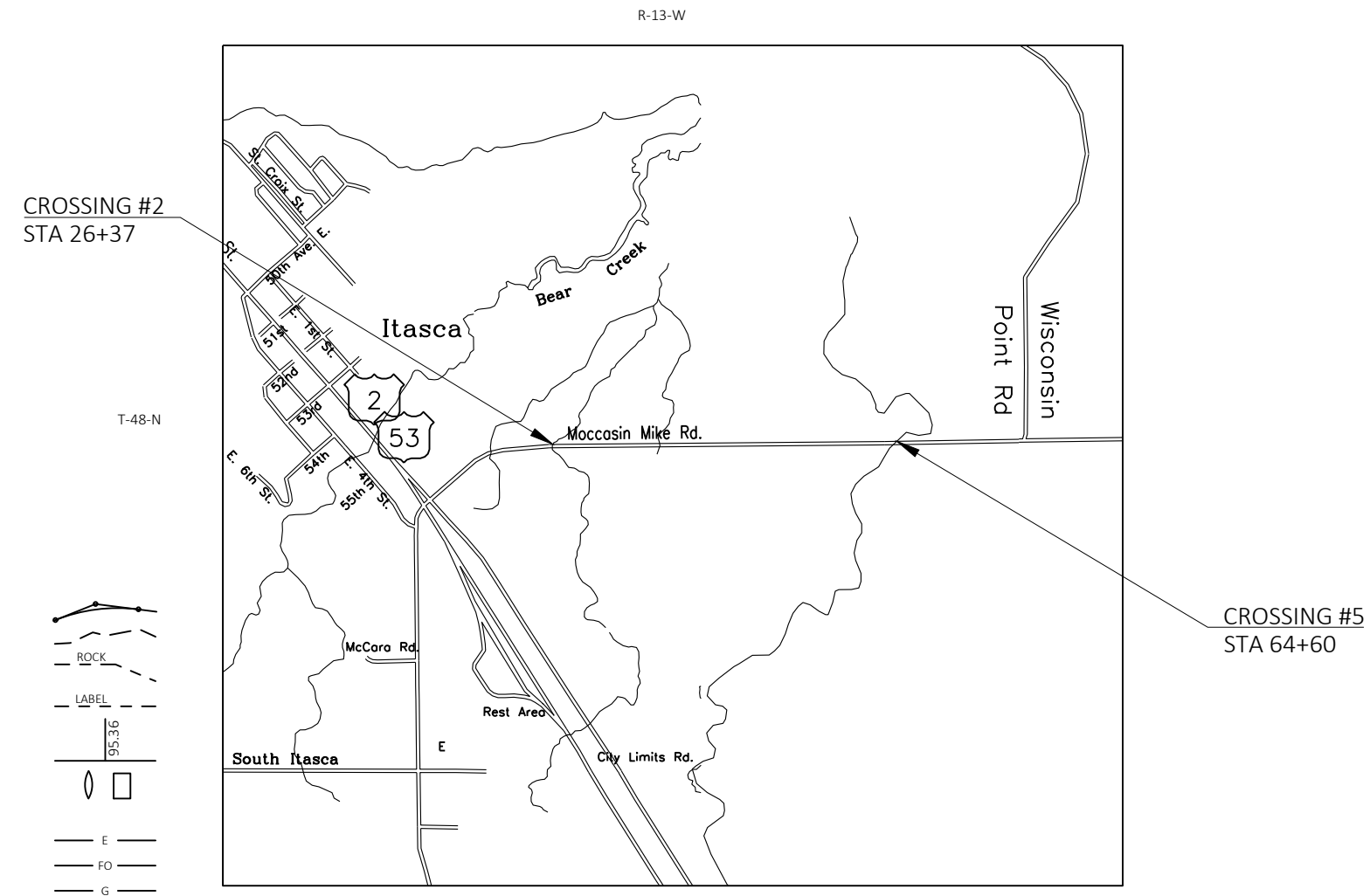
MOCCASIN MIKE ROAD DOUGLAS COUNTY

PROJECT INFO

SEH PROJECT ENGINEER: DAN HINZMANN, PE
 SEH PROJECT REP.: JERRY HALDORSON, RPR
 CONSTRUCTION STAKING: SEH
 CONTRACTOR: NORTHERN INTERSTATE CONSTRUCTION (NIC)
 PIPE BORING: GROUND EFFECTS (FORCEMAIN & ELECTRICAL)
 PIPE FUSING: GROUND EFFECTS
 ELECTRICAL: STACK BROS.
 RCP PIPE SUPPLIER: COUNTY CONCRETE
 BITUMINOUS PAVING: MONARCH PAVING (2020)
 YEAR OF CONSTRUCTION: 2019 & 2020

CITY OF SUPERIOR
 PROJECT MANAGER: TODD JANIGO
 OVERSIGHT/ENGINEERING TECH: DAVE POLLACK
 (ESD) WATER RESOURCES SPECIALIST: MIKE KRICK

RECORD DRAWINGS UPDATED 06/2020



LAYOUT
 SCALE 0 2000 FT

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM, DOUGLAS COUNTY, NAD 83 (2007).

TOTAL NET LENGTH OF CENTERLINE =
 0.076 MI CROSSING #2
 0.076 MI CROSSING #5
 0.152 MI TOTAL

ACCEPTED FOR
 CITY OF SUPERIOR

Date _____
 (Signature and Title of Official)

ORIGINAL PLANS PREPARED BY

DATE: _____
 (Professional Engineer Signature)

GENERAL NOTES

ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE APPROXIMATE USGS DATUM.

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

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

CONTRACTOR RESPONSIBLE FOR CALLING IN UTILITY LOCATES AND COORDINATING WITH APPROPRIATE UTILITIES.

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

THE EXACT LOCATION OF THE EROSION CONTROL DEVICES SHALL BE DETERMINED IN THE FIELD.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCEPT THE AREAS WITHIN THE FINISHED SHOULDER POINTS, ARE TO BE 6-INCH SALVAGED TOPSOILED, FERTILIZED, SEEDED AND MULCHED.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING DRIVEWAYS AND PAVEMENTS AT REMOVAL LIMITS.

ASPHALTIC SURFACE SHALL BE CONSTRUCTED IN THREE 2" LAYERS UTILIZING 4 MT 58-28 S MIXTURE REQUIREMENTS FOR THE BOTTOM TWO LAYERS AND 4 MT 58-34 S MIXTURE REQUIREMENTS FOR THE TOP LAYER.

BEARINGS SHOWN ON THE PLAN ARE REFERENCED TO THE EXISTING ROADWAY CENTERLINE AND ARE ASSUMED.

SILT FENCE TO BE PLACED AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

RUNOFF COEFFICIENT TABLE

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

TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 2.175 ACRES

ALIGNMENT DATA: CROSSING #2

TANGENT DATA			
DESCRIPTION	PT STATION	NORTHING	EASTING
START:	20+69.480	287838.200	173501.177
END:	22+78.387	287859.596	173708.986

TANGENT DATA			
PARAMETER	VALUE	PARAMETER	VALUE
LENGTH:	208.91	Course:	N 84° 07' 17.0168" E

CURVE POINT DATA			
DESCRIPTION	STATION	NORTHING	EASTING
PC:	22+78.387	287859.596	173708.986
PI:		282388.520	174272.302
PT:	27+20.249	287887.157	174149.868

CIRCULAR CURVE DATA			
PARAMETER	VALUE	PARAMETER	VALUE
DELTA:	04° 36' 10.9991"	Type:	RIGHT
RADIUS:	5500.00		
LENGTH:	441.86	Tangent:	221.05
MID-ORD:	4.44	External:	4.44
CHORD:	441.74	Course:	N 86° 25' 22.5163" E

TANGENT DATA			
DESCRIPTION	PT STATION	NORTHING	EASTING
START:	27+20.249	287887.157	174149.868
END:	29+96.922	287893.316	174426.473

TANGENT DATA			
PARAMETER	VALUE	PARAMETER	VALUE
LENGTH:	276.67	Course:	N 88° 43' 28.0159" E

ALIGNMENT DATA: CROSSING #5

TANGENT DATA			
DESCRIPTION	PT STATION	NORTHING	EASTING
START:	50+82.786	287909.832	176512.271
END:	70+02.666	287918.143	178432.133

TANGENT DATA			
PARAMETER	VALUE	PARAMETER	VALUE
LENGTH:	1919.88	Course:	N 89° 45' 07.1094" E

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY CONTACTS

RUSSEL VANCE
CENTURY LINK
135 N 21ST ST
SUPERIOR WI 54880
TELEPHONE: 715-919-8003 Cell
715-392-0045 Desk
EMAIL: Russell.Vance@centurylink.com

DIGGERS HOTLINE
Dial **811** or (800)242-8511
www.DiggersHotline.com

DESIGN CONTACT

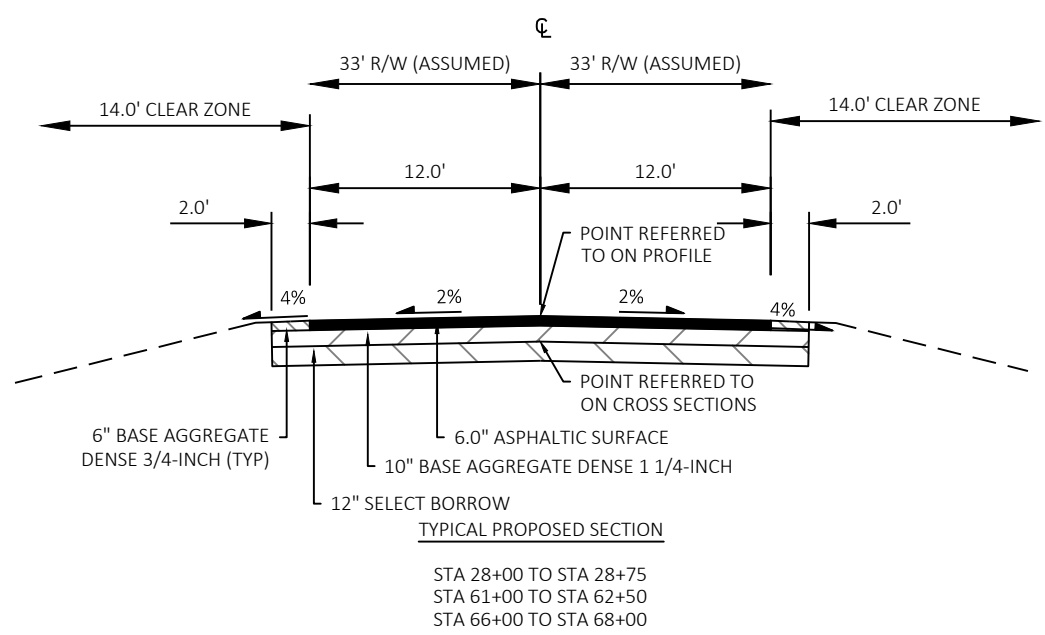
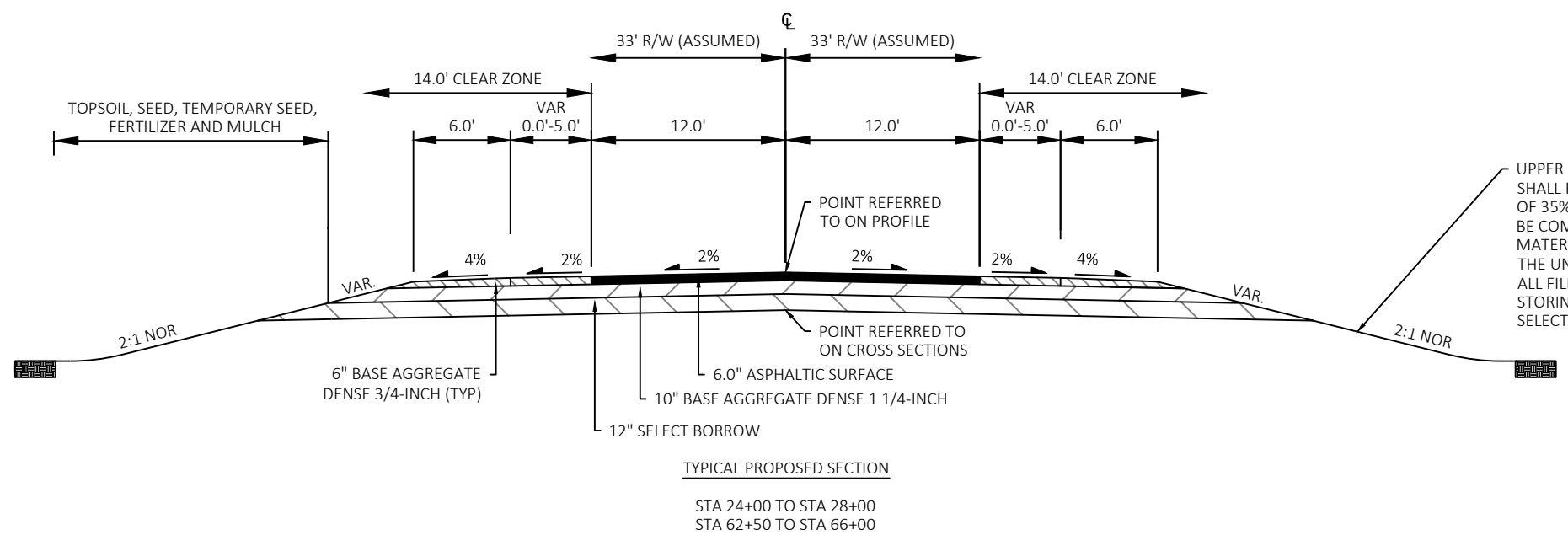
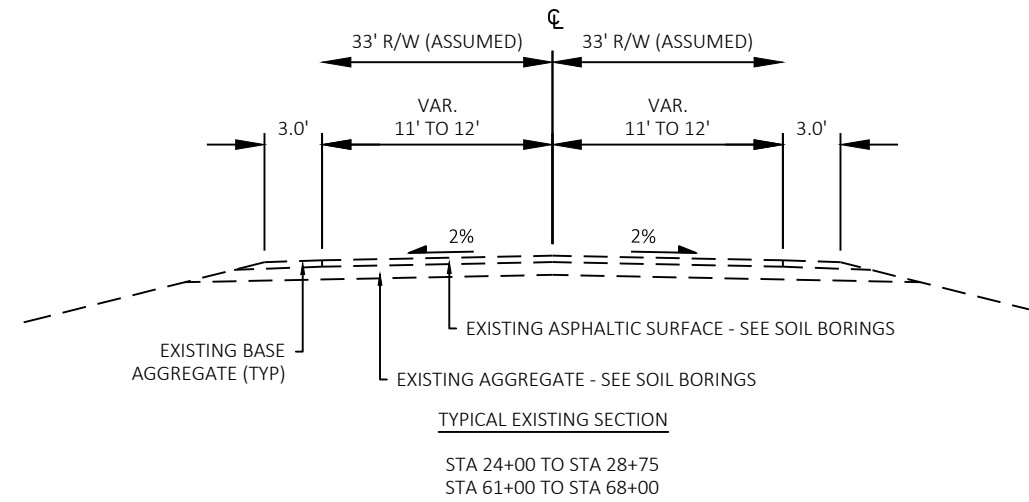
SEH
418 WEST SUPERIOR STREET
DULUTH, MN 55802
TELEPHONE: 715-720-6261
ATTENTION: DAN HINZMANN
EMAIL: DHINZMANN@SEHINC.COM

WDNR CONTACT

DNR NORTHERN REGION HEADQUARTERS
810 W. MAPLE STREET
SPOONER, WI 54801
TELEPHONE 715-635-4229
ATTENTION: AMY CRONK
EMAIL: AMY.CRONK@WISCONSIN.GOV

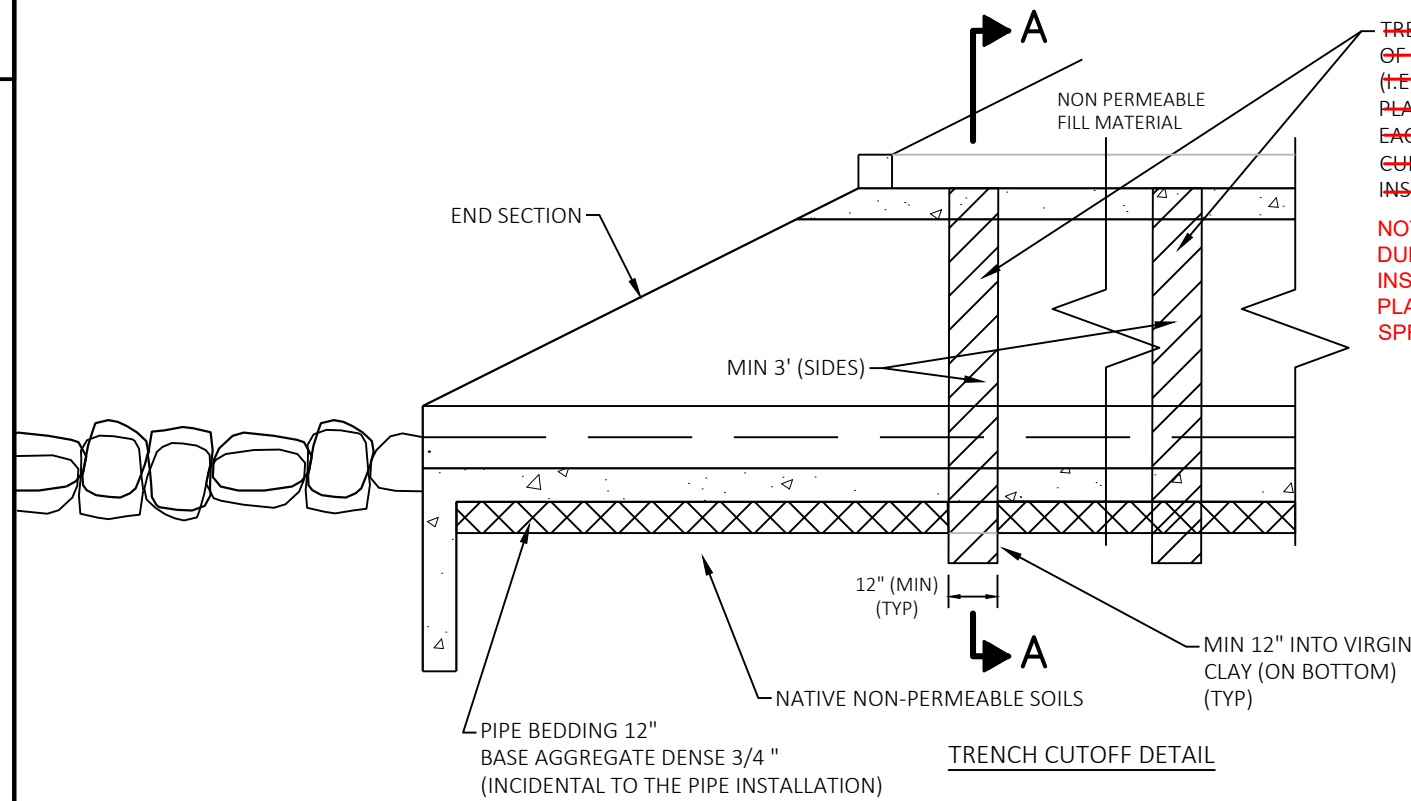
CITY CONTACT

CITY OF SUPERIOR
1316 NORTH 14TH STREET
SUPERIOR WI 54880
TELEPHONE: 715-395-7334
ATTENTION: TODD JANIGO
EMAIL: JANIGOT@CI.SUPERIOR.WI.US



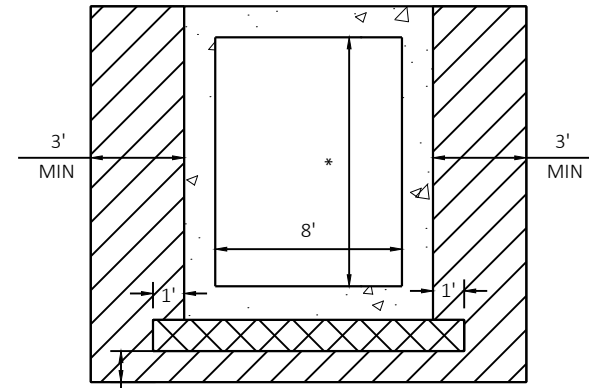
**RECORD DRAWINGS
 UPDATED 06/2020
 NO SHEET CHANGES**

NOTE:
 ALL FILL UNDER ROADWAY SHALL BE SELECT BORROW,
 UNLESS APPROVED BY THE ENGINEER.
 ALL FILL IN WETLAND AREAS SHALL BE SELECT BORROW.



~~TRENCH CUTOFF CONSISTING OF NON PERMEABLE MATERIAL (I.E. CLAY OR FLOWABLE FILL) PLACE AT 1/3 POINT ALONG EACH CULVERT (2 EACH PER CULVERT) (INCIDENTAL TO PIPE INSTALLATION)~~

NOT INSTALLED BY CONTRACTOR DUE TO CONDITIONS (WINTER INSTALL). COMPACTED CLAY PLACED AROUND PIPE APRONS IN SPRING 2020.

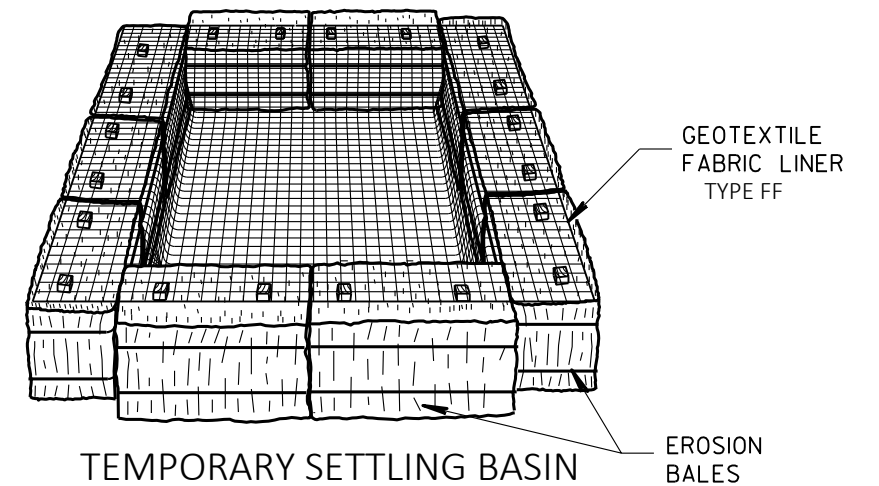
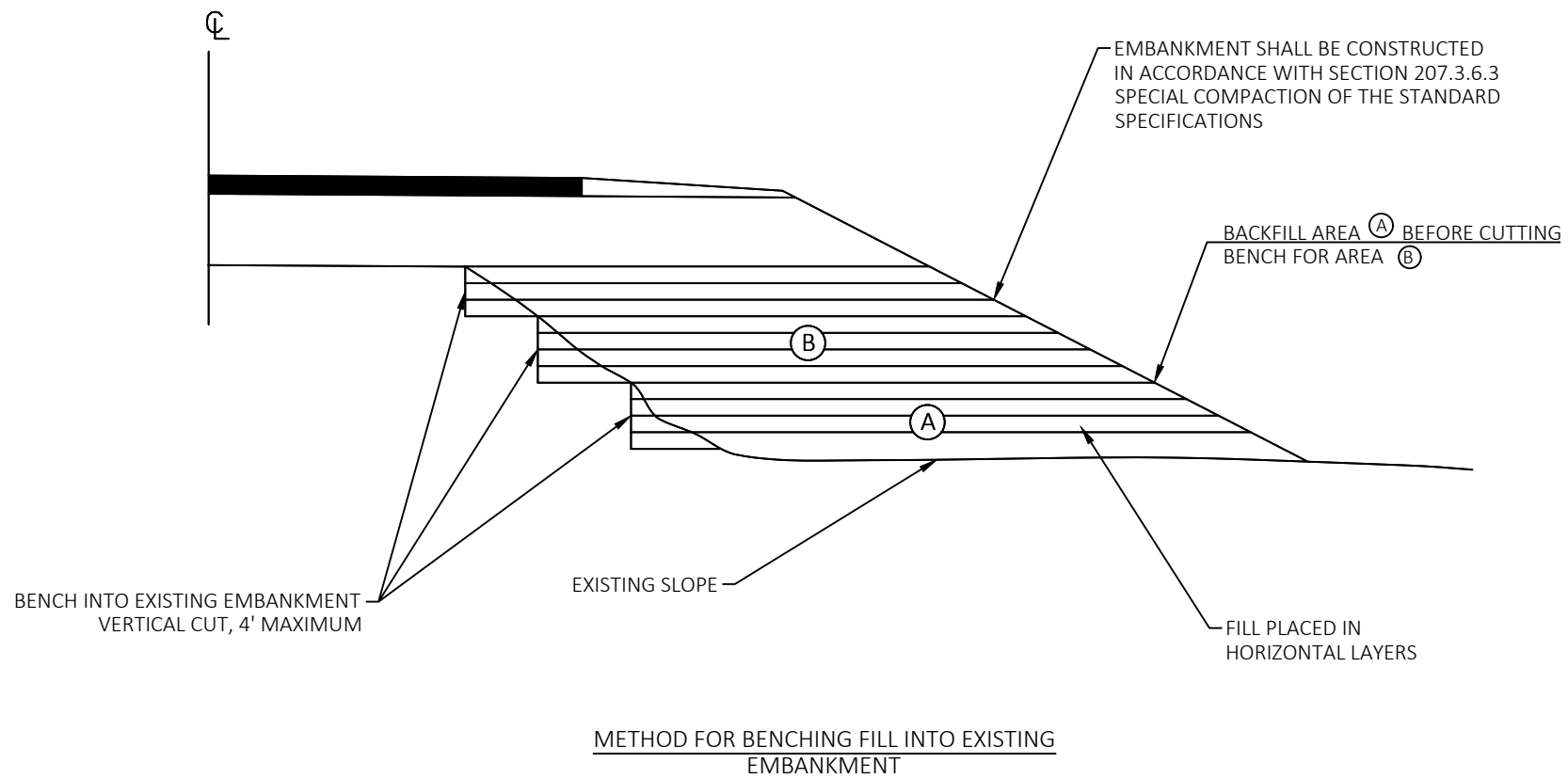


SECTION A-A

RECORD DRAWINGS UPDATED 06/2020

NOTES:

- * CULVERT #2 = 6'X8'
- CULVERT #5 = 8'X8'



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

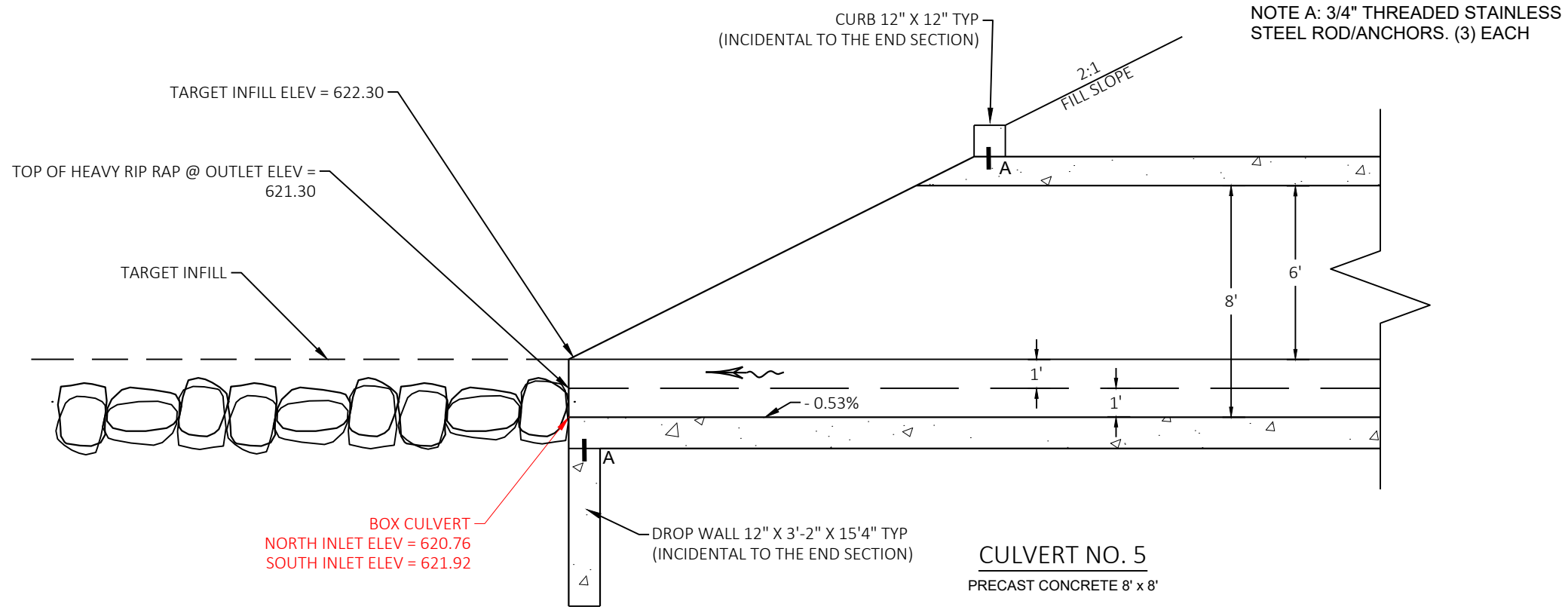
STORAGE VOLUME (C.F.) = 16 X GPM (PUMP RATE)

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

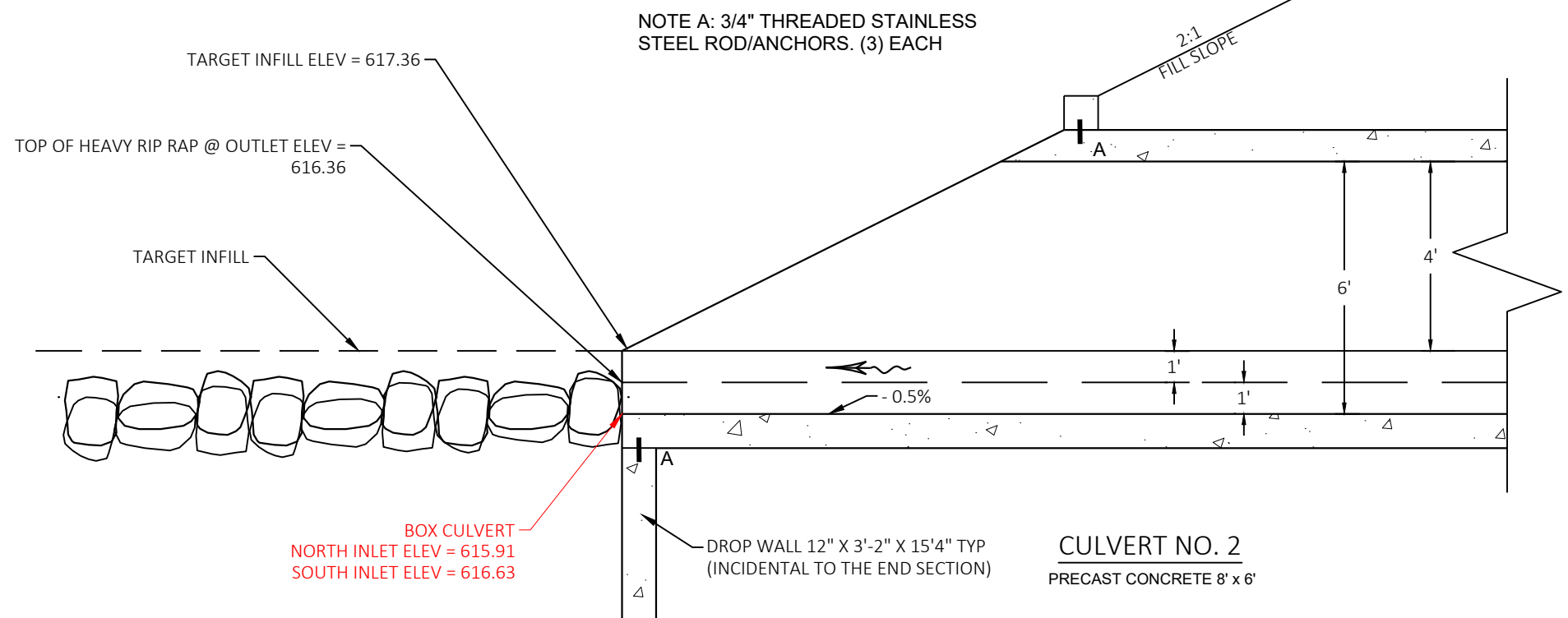
SOLUTION:
 SV (C.F.) = 16 X 50
 SV = 800 C.F.

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

USE A 20 FT. X 27 FT. BASIN



**RECORD DRAWINGS
UPDATED 06/2020**



CLEARING & GRUBBING

STATION	LOCATION	201.0105 CLEARING		REMARKS
		STA	STA	
CATEGORY 0010*2	CL	5	5	LT&RT
24+00 - 28+75				
CATEGORY 0010 TOTAL		5	5	
CATEGORY 0020*5	CL	6	6	LT&RT
61+00 - 68+00				
CATEGORY 0020 TOTAL		6	6	
ITEM TOTALS		11	11	

REMOVING OR ABANDONING CULVERT PIPES

STATION	LOCATION	SPV.0060.01		REMARKS
		EACH		
CATEGORY 0010*2	CL	1		48" x 56" CPCA REMOVED
25+53				
25+61	CL	1		48" x 61" CPCA REMOVED
CATEGORY 0010 SUBTOTAL		2		
CATEGORY 0020*5	CL	1		48" x 71" CPCA REMOVED
64+70				
64+80	CL	1		54" CPCA @ Inletend, 60" CPRC Under Road, 72" CPCA @ outletend (107' Total length)
64+91	CL	1		48" x 71" CPCA REMOVED
CATEGORY 0020 SUBTOTAL		3		
ITEM TOTAL		5		

REMOVING CONCRETE SIDEWALK

STATION	LOCATION	204.0155		REMARKS
		SY		
CATEGORY 0010*2	LT / RT	20		CONCRETE SIDEWALK PIECES THAT WERE PLACED ON SIDE SLOPES AROUND CULVERT
25+60				
CATEGORY 0010 SUBTOTAL		20		
CATEGORY 0020*5	LT / RT	20		CONCRETE SIDEWALK PIECES THAT WERE PLACED ON SIDE SLOPES AROUND CULVERT
64+80				
CATEGORY 0020 SUBTOTAL		20		
ITEM TOTAL		40		

EXCAVATION

STATION	LOCATION	205.0100					208.1100
		COMMON	AIR FILL	EXPAND. FILL	WASTE	SELECT BORROW	
CATEGORY 0010*2	LT/RT	345	57	75	345	75	
24+00 - 25+00							
25+00 - 27+00	LT/RT	635	994	1294	635	1294	
27+00 - 28+75							
CATEGORY 0010 SUBTOTAL		1625	1105	1440	1625	1440	
CATEGORY 0020*5	LT/RT	508	1	1	508	1	
62+00 - 67+00							
62+00 - 67+00	LT/RT	899	1065	1386	899	1386	
62+00 - 67+00							
CATEGORY 0020 SUBTOTAL		2030	1075	1400	2030	1400	
ITEM TOTALS		3655	2180	2840	3655	2840	

FINISHING ROADWAY (PROJECT)

STATION	LOCATION	213.0100	
		EACH	
CATEGORY 0010*2	LT & RT	1	
24+00 - 28+75			
CATEGORY 0010 SUBTOTAL		1	
CATEGORY 0020*5	LT & RT	1	
61+00 - 68+00			
CATEGORY 0020 SUBTOTAL		1	
ITEM TOTAL		2	

BASE MATERIALS

STATION	LOCATION	208.1100				305.0110		305.0120		624.0100	
		SELECT BORROW	AGGREGATE DENSE	AGGREGATE DENSE	AGGREGATE DENSE	BASE	BASE	WATER			
CATEGORY 0010*2	LT / RT	35	13	63	1						
24+00 - 24+25											
24+25 - 27+75	LT / RT	800	300	1163	15						
27+75 - 28+75											
CATEGORY 0010 SUBTOTAL		955	2545	345	445	4460	1327	-40			
CATEGORY 0020*5	LT / RT	195	37	322	4						
61+00 - 62+75											
62+75 - 65+75	LT / RT	650	238	954	12						
65+75 - 68+00											
CATEGORY 0020 SUBTOTAL		1095	2745	320	453.74	4685	1585	-2+5			
ITEM TOTALS		2050	5290	665	898.74	9145	2912	-40-15			

NOTES:
 SALVAGED / UNUSABLE PAVEMENT MATERIAL IS INCLUDED IN COMMON EXCAVATION.
 EXPANSION FACTOR = 1.3
 * FOR INFORMATION ONLY
 ** ADDITIONAL SELECT BORROW QUANTITY ALSO IN BASE MATERIAL TABLE.

* ADDITIONAL QUANTITY ALSO SHOWN IN EXCAVATION TABLE TO BE USED IN FILL LOCATIONS.

**RECORD DRAWINGS
 UPDATED 06/2020**

3

HMA PAVEMENT ITEMS

STATION	LOCATION	450.4000 HMA COLD WEATHER PAVING TON	455.0605 TACK COAT GAL	465.0105 ASPHALTIC SURFACE TON	REMARKS
CATEGORY 0010 0 2					
24+00 - 28+75	LT	53.8	38	215	DRIVING LANES ONLY
24+00 - 28+75	RT	53.8	38	215	DRIVING LANES ONLY
CATEGORY 0010 SUBTOTAL		107.5	76	430	
CATEGORY 0020 0 5					
61+00 - 68+00	LT	78.75	56	315	DRIVING LANES ONLY
61+00 - 68+00	RT	78.75	56	315	DRIVING LANES ONLY
CATEGORY 0020 SUBTOTAL		157.5	112-99	630-668	
ITEM TOTALS		265	188-175	1060-1098	

CULVERT PIPE ITEMS

STATION	206.2000 EXCAVATION FOR STRUCTURES LS	606.0300 w/FABRIC RIPRAP HEAVY CY	504.1000.S.01 PRECAST CONCRETE WINGWALLS CULVERT #2 8' x 6' LS	504.1000.S.02 PRECAST CONCRETE WINGWALLS CULVERT #5 8' x 8' LS	504.2000.S.01 PRECAST CONCRETE BOX CULVERT 8' x 6' LF	504.2000.S.02 PRECAST CONCRETE BOX CULVERT 8' x 8' LF
CATEGORY 0010 0 2						
26+37	1	25	1		92	
CATEGORY 0010 SUBTOTAL		1	25	1	92	
CATEGORY 0020 0 5						
64+60	1	25		1		124
CATEGORY 0020 SUBTOTAL		1	25	1		124
ITEM TOTALS		2	50	1	92	124

3

MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT)

STATION	LOCATION	618.0100 EACH
CATEGORY 0010 0 2		
24+00 - 28+75	LT & RT	0.5
CATEGORY 0010 SUBTOTAL		0.5
CATEGORY 0020 0 5		
61+00 - 68+00	LT & RT	0.5
CATEGORY 0020 SUBTOTAL		0.5
ITEM TOTAL		1

MOBILIZATION

STATION	LOCATION	619.1000 EACH
CATEGORY 0010 0 2		
24+00 - 28+75	LT & RT	1
CATEGORY 0010 SUBTOTAL		1
CATEGORY 0020 0 5		
61+00 - 68+00	LT & RT	1
CATEGORY 0020 SUBTOTAL		1
ITEM TOTAL		2

SALVAGED TOPSOIL, MULCHING AND SEEDING

STATION - STATION	LOCATION	625.0100 TOPSOIL SY	TEMPORARY 627.0200 MULCHING SY	629.0210 FERTILIZER TYPE B CWT	630.0175 SEEDING MIXTURE NO. 75 LB	630.0200 SEEDING TEMPORARY LB	630.0500 SEED WATER MGAL
CATEGORY 0010 0 2							
24+00 - 28+75	LT	476	596	0.30	3.4	12.9	10.7
24+00 - 28+75	RT	672	840	0.42	4.8	18.1	15.1
UNDISTRIBUTED		57	359	0.18	2.1	7.8	6.5
CATEGORY 0010 SUBTOTAL		1205	1795	0.90	10.3	38.8	32-3-10
CATEGORY 0020 0 5							
61+00 - 68+00	LT	314	392	0.20	2.3	8.5	7.1
61+00 - 68+00	RT	1724	2155	1.09	12.4	46.6	38.7
UNDISTRIBUTED		102	638	0.32	3.7	13.8	11.5
CATEGORY 0020 SUBTOTAL		2140	3185	1.61	18.4	68.9	57-3-10
ITEM TOTALS		3345	4980 01/10/20	2.51	28.7	107.7 01/10/20	89-6-20

RECORD DRAWINGS
UPDATED 06/2020

EROSION CONTROL

STATION	LOCATION	628.1504	628.1520	628.2027	BIO ROLLS
		SILT FENCE LF	SILT FENCE MAINTENANCE LF	EROSION MAT CLASS II, TYPE C SY	628.7504 TEMPORARY DITCH CHECKS LF
CATEGORY 0010⁰²					
24+75 - 26+75	LT	200	200	190	24
24+75 - 27+75	TEMP RT	300	300		24
24+75 - 27+75	RT	300	300	326	12
24+00 - 28+00	UNDISTRIBUTED	200	200	24	10
CATEGORY 0010 SUBTOTAL		1000	1000	540 1960	70 205
CATEGORY 0020⁰⁵					
63+75 - 66+00	LT	225	225		24
64+25 - 65+25	LT			144	
64+00 - 64+75	TEMP RT	75	75		24
63+25 - 65+25	RT			310	
63+75 - 65+25	RT	150	150		24
62+75 - 65+75	UNDISTRIBUTED	115	115	26	12
CATEGORY 0020 SUBTOTAL		690 565	565 690	480 2000	84 470
ITEM TOTALS		1690 1565	1565 1690	1020 3960	154 675

MOBILIZATIONS EROSION CONTROL

STATION	LOCATION	628.1905	628.1910
		MOBILIZATIONS EROSION CONTROL EACH	MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
CATEGORY 0010⁰²			
24+00 - 28+75	LT & RT	1	2
CATEGORY 0010 SUBTOTAL		1	2
CATEGORY 0020⁰⁵			
62+00 - 67+00	LT & RT	1	2
CATEGORY 0020 SUBTOTAL		1	2
ITEM TOTALS		2	4

TRACKING PADS

STATION	LOCATION	628.7560	REMARKS
		EACH	
CATEGORY 0010⁰²			
24+00 - 28+75	LT & RT	1	WEST END
CATEGORY 0010 SUBTOTAL		1	
CATEGORY 0020⁰⁵			
61+00 - 68+00	LT & RT	1	WEST END
CATEGORY 0020 SUBTOTAL		1	
ITEM TOTALS		2	

MOVING SIGNS

STATION	LOCATION	638.2102
		TYPE II EACH
CATEGORY 0010⁰²		
24+00 - 28+75	LT	2
24+00 - 28+75	RT	2
CATEGORY 0010 SUBTOTAL		4 2
CATEGORY 0020⁰⁵		
61+00 - 68+00	LT	3
61+00 - 68+00	RT	3
CATEGORY 0020 SUBTOTAL		6 2
ITEM TOTAL		10 4

NOTE: REMOVE AND STORE SIGNS IN CONFLICT DURING GRADING ACTIVITIES. REINSTALL IN ORIGINAL LOCATION.

TRAFFIC CONTROL

STATION	LOCATION	643.5000
		EACH
CATEGORY 0010⁰²		
24+00 - 28+75	LT & RT	1
CATEGORY 0010 SUBTOTAL		1
CATEGORY 0020⁰⁵		
61+00 - 68+00	LT & RT	1
CATEGORY 0020 SUBTOTAL		1
ITEM TOTALS		2

MARKING LINE

STATION	TO STATION	LOCATION	646.1005	REMARKS
			PAINT 4-INCH (YELLOW) LF	
CATEGORY 0010⁰²				
23+90	-	28+85	990	DOUBLE YELLOW
CATEGORY 0010 SUBTOTAL			990	
CATEGORY 0020⁰⁵				
60+90	-	68+10	1440	DOUBLE YELLOW
CATEGORY 0020 SUBTOTAL			1440	
ITEM TOTALS			2430	

SAWING

STATION	LOCATION	690.0150	REMARKS
		ASPHALT LF	
CATEGORY 0010⁰²			
24+00	LT/RT	24	WEST END
28+75	LT/RT	24	EAST END
CATEGORY 0010 SUBTOTAL		48	
CATEGORY 0020⁰⁵			
61+00	LT/RT	24	WEST END
68+00	LT/RT	24	EAST END
CATEGORY 0020 SUBTOTAL		48	
ITEM TOTALS		96	

**RECORD DRAWINGS
UPDATED 06/2020**

3

RELOCATE AND RECONSTRUCT UTILITIES

STATION	LOCATION	SPV.0105.01 RELOCATE ELECTRICAL CONDUIT CULVERT #2 LS	SPV.0105.02 RELOCATE ELECTRICAL CONDUIT CULVERT #5 LS	SPV.0105.03 RECONSTRUCT SANITARY FORCEMAIN CULVERT #2 LS	SPV.0105.04 RECONSTRUCT SANITARY FORCEMAIN CULVERT #5 LS	REMARKS
CATEGORY 0010*2 25+00 - 28+00	LT	1		1		BORE UNDER NEW CULVERT LOCATION 5' MINIMUM COVER UNDER PIPE
CATEGORY 0010 SUBTOTAL		1		1		
CATEGORY 0020*5 63+00 - 66+00	LT		1		1	BORE UNDER NEW CULVERT LOCATION 5' MINIMUM COVER UNDER PIPE
CATEGORY 0020 SUBTOTAL			1		1	
ITEM TOTALS		1	1	1	1	

WIRE QUANTITIES:
 *2 450' EACH X 3 WIRES=1350'
 *5 460' EACH X 3 WIRES=1380'
 TOTAL=2730'

NEW PIPE:
 4" DIPS SDR11 PE4710 BLUE STRIPE (4" HDPE FORCEMAIN)
 4" IPS SDR11 PE4710 BLACK PIPE (4" HDPE ELECTRICAL)

CONSTRUCT TEMPORARY ROADWAY

STATION	LOCATION	SPV.0105.05 CONSTRUCT TEMPORARY ROADWAY CULVERT #2 LS	SPV.0105.06 CONSTRUCT TEMPORARY ROADWAY CULVERT #5 LS
CATEGORY 0010*2 24+00 - 28+75	RT	1	
CATEGORY 0010 SUBTOTAL		1	
CATEGORY 0020*5 61+00 - 68+00	RT		1
CATEGORY 0020 SUBTOTAL			1
ITEM TOTALS		1	1

3

CONSTRUCTION STAKING

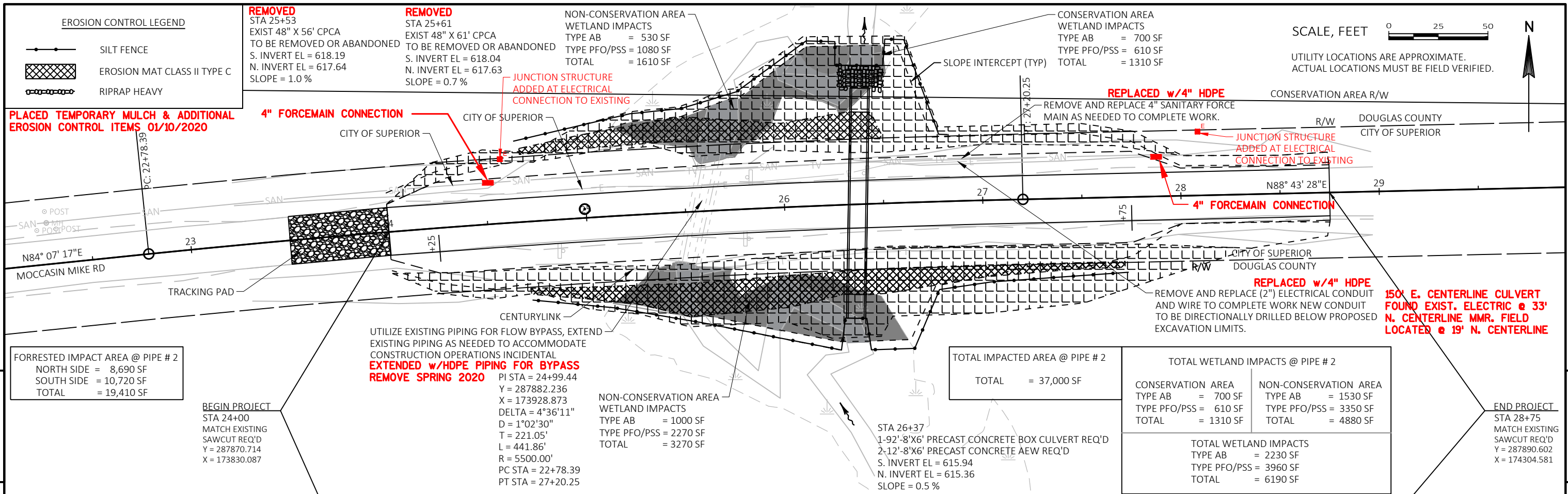
STATION	LOCATION	SPV.0105.07 CULVERT #2 LS	SPV.0105.08 CULVERT #5 LS
CATEGORY 0010*2 24+00 - 28+75	LT & RT	1	
CATEGORY 0020*5 61+00 - 68+00	LT & RT		1
ITEM TOTAL		1	1

FOR INFORMATION ONLY

STATION	TO STATION	LOCATION	* SUBGRADE LF	* BASE LF	* PIPE CULVERTS EACH	* SUPPLEMENTAL CONTROL LS	* SLOPE STAKES LF
CATEGORY 0010*2 24+00 26+37	- 28+75	LT/RT PIPE #2	475	475	1	1	475
CATEGORY 0010 SUBTOTAL			475	475	1	1	475
CATEGORY 0020*5 61+00 64+60	- 68+00	LT/RT PIPE #5	700	700	1	1	700
CATEGORY 0020 SUBTOTAL			700	700	1	1	700
ITEM TOTALS			1175	1175	2	2	1175

*FOR INFORMATION ONLY. CONSTRUCTION STAKING PAID FOR AS ITEM SPV.0105.07 & SPV.0105.08.

**RECORD DRAWINGS
 UPDATED 06/2020**



FORRESTED IMPACT AREA @ PIPE # 2
 NORTH SIDE = 8,690 SF
 SOUTH SIDE = 10,720 SF
 TOTAL = 19,410 SF

BEGIN PROJECT
 STA 24+00
 MATCH EXISTING
 SAWCUT REQ'D
 Y = 287870.714
 X = 173830.087

UTILIZE EXISTING PIPING FOR FLOW BYPASS, EXTEND EXISTING PIPING AS NEEDED TO ACCOMMODATE CONSTRUCTION OPERATIONS INCIDENTAL
EXTENDED w/HDPE PIPING FOR BYPASS REMOVE SPRING 2020

PI STA = 24+99.44
 Y = 287882.236
 X = 173928.873
 DELTA = 4°36'11"
 D = 1°02'30"
 T = 221.05'
 L = 441.86'
 R = 5500.00'
 PC STA = 22+78.39
 PT STA = 27+20.25

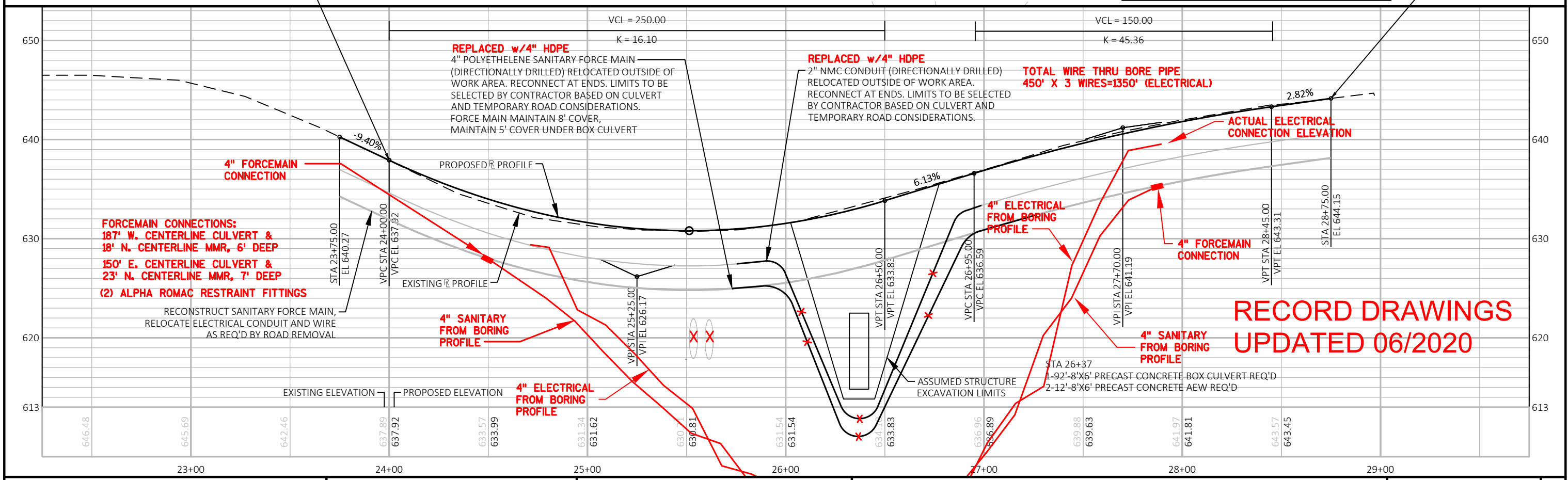
NON-CONSERVATION AREA
 WETLAND IMPACTS
 TYPE AB = 1000 SF
 TYPE PFO/PSS = 2270 SF
 TOTAL = 3270 SF

TOTAL IMPACTED AREA @ PIPE # 2
 TOTAL = 37,000 SF

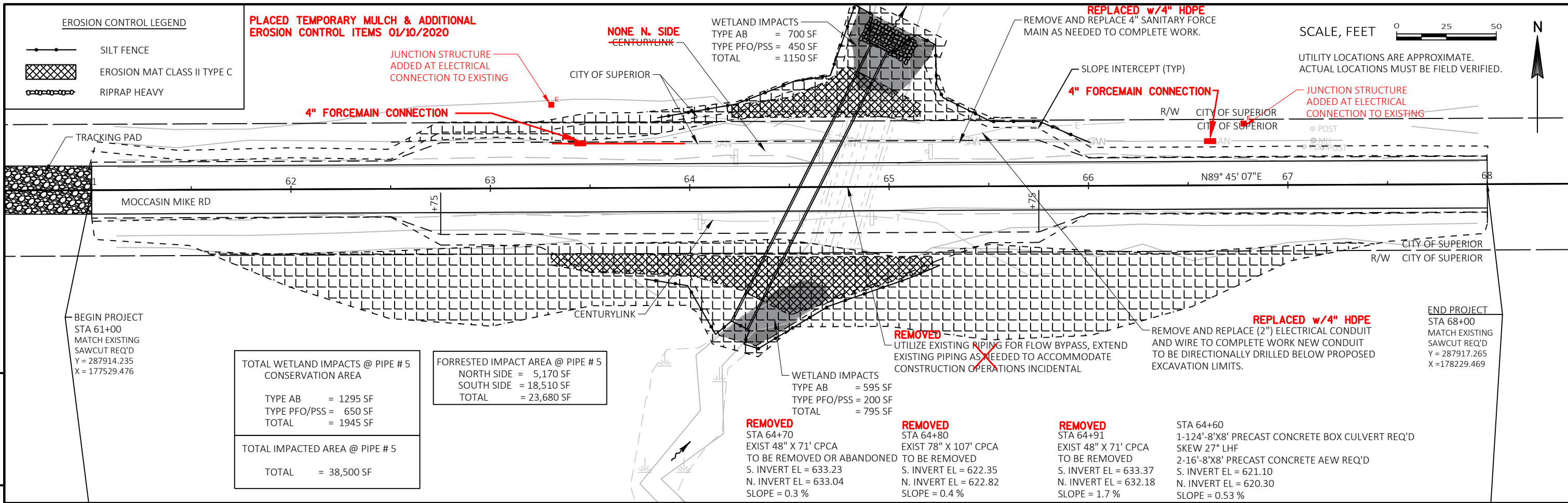
TOTAL WETLAND IMPACTS @ PIPE # 2	
CONSERVATION AREA	NON-CONSERVATION AREA
TYPE AB = 700 SF	TYPE AB = 1530 SF
TYPE PFO/PSS = 610 SF	TYPE PFO/PSS = 3350 SF
TOTAL = 1310 SF	TOTAL = 4880 SF

TOTAL WETLAND IMPACTS
 TYPE AB = 2230 SF
 TYPE PFO/PSS = 3960 SF
 TOTAL = 6190 SF

END PROJECT
 STA 28+75
 MATCH EXISTING
 SAWCUT REQ'D
 Y = 287890.602
 X = 174304.581



**RECORD DRAWINGS
 UPDATED 06/2020**



TOTAL WETLAND IMPACTS @ PIPE # 5 CONSERVATION AREA

TYPE AB	=	1295 SF
TYPE PFO/PSS	=	650 SF
TOTAL	=	1945 SF

TOTAL IMPACTED AREA @ PIPE # 5

TOTAL	=	38,500 SF
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FORRESTED IMPACT AREA @ PIPE # 5

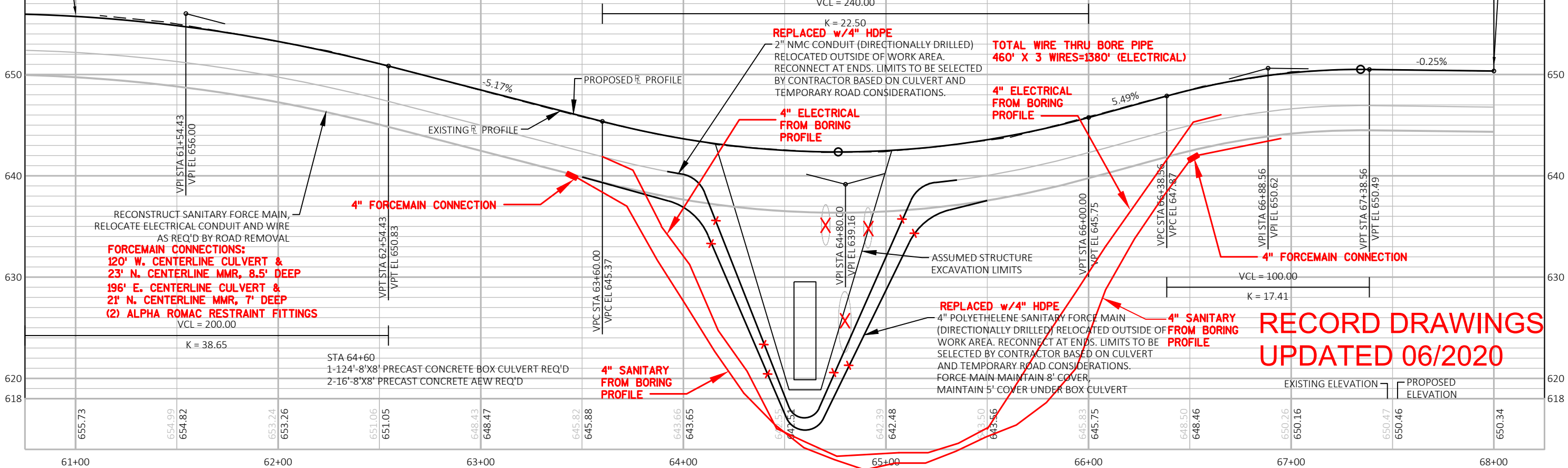
NORTH SIDE	=	5,170 SF
SOUTH SIDE	=	18,510 SF
TOTAL	=	23,680 SF

REMOVED
 STA 64+70
 EXIST 48" X 71' CPCA
 TO BE REMOVED OR ABANDONED
 S. INVERT EL = 633.23
 N. INVERT EL = 633.04
 SLOPE = 0.3 %

REMOVED
 STA 64+80
 EXIST 78" X 107' CPCA
 TO BE REMOVED
 S. INVERT EL = 622.35
 N. INVERT EL = 622.82
 SLOPE = 0.4 %

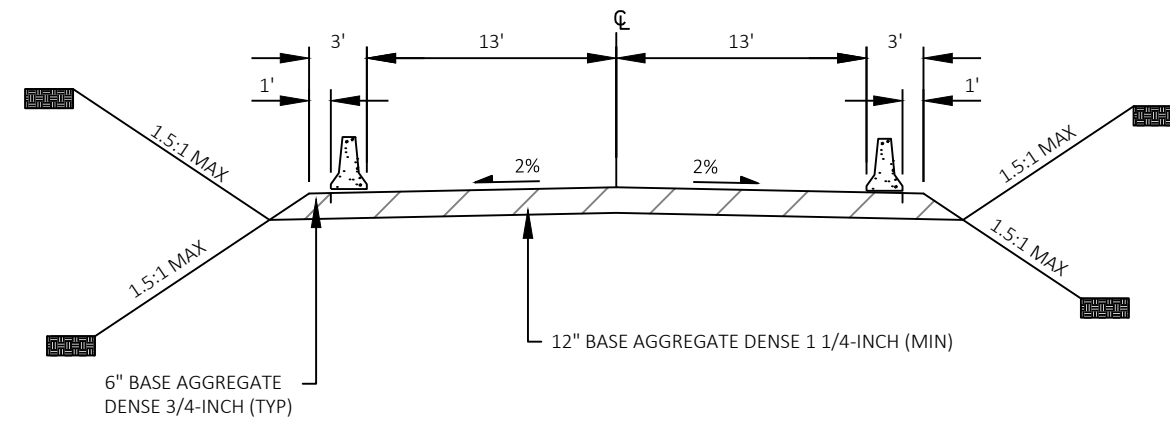
REMOVED
 STA 64+91
 EXIST 48" X 71' CPCA
 TO BE REMOVED
 S. INVERT EL = 633.37
 N. INVERT EL = 632.18
 SLOPE = 1.7 %

STA 64+60
 1-124'-8"X8' PRECAST CONCRETE BOX CULVERT REQ'D
 SKEW 27° LHF
 2-16'-8"X8' PRECAST CONCRETE AEW REQ'D
 S. INVERT EL = 621.10
 N. INVERT EL = 620.30
 SLOPE = 0.53 %



**RECORD DRAWINGS
 UPDATED 06/2020**

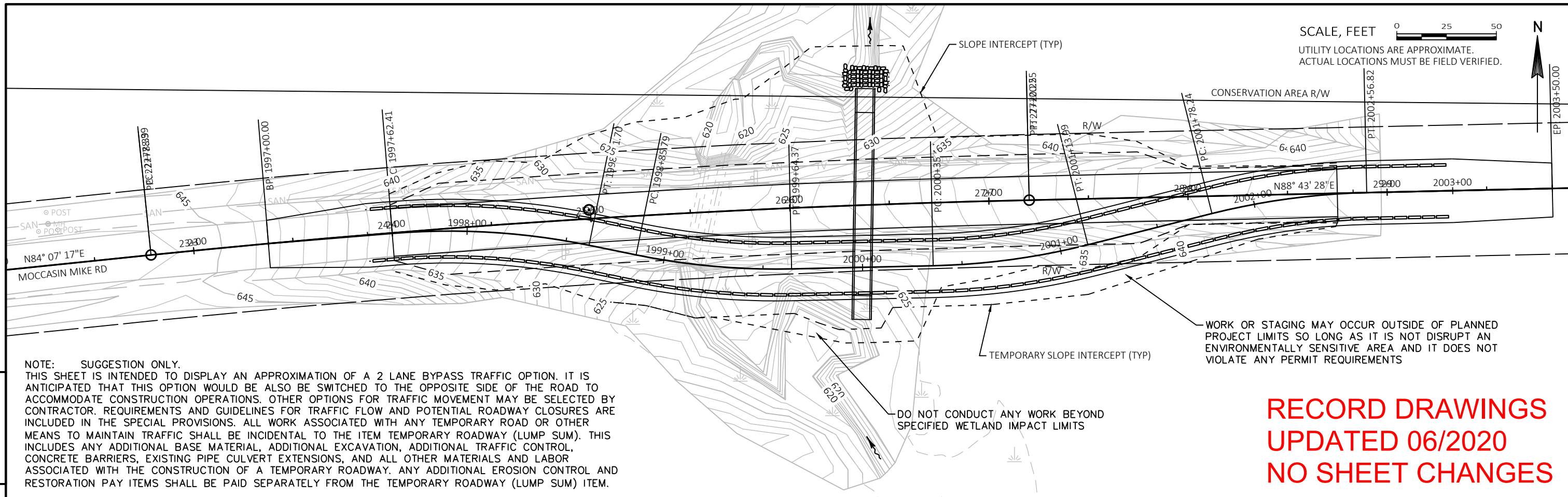
PROJECT NO:	SUPER 150073	HWY:	MOCCASIN MIKE ROAD	COUNTY:	DOUGLAS	PLAN AND PROFILE:	CROSSING #5	SHEET	11	E
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POTENTIAL TYPICAL TEMPORARY BYPASS SECTION

STA 24+00 TO STA 28+75
 STA 61+00 TO STA 68+00

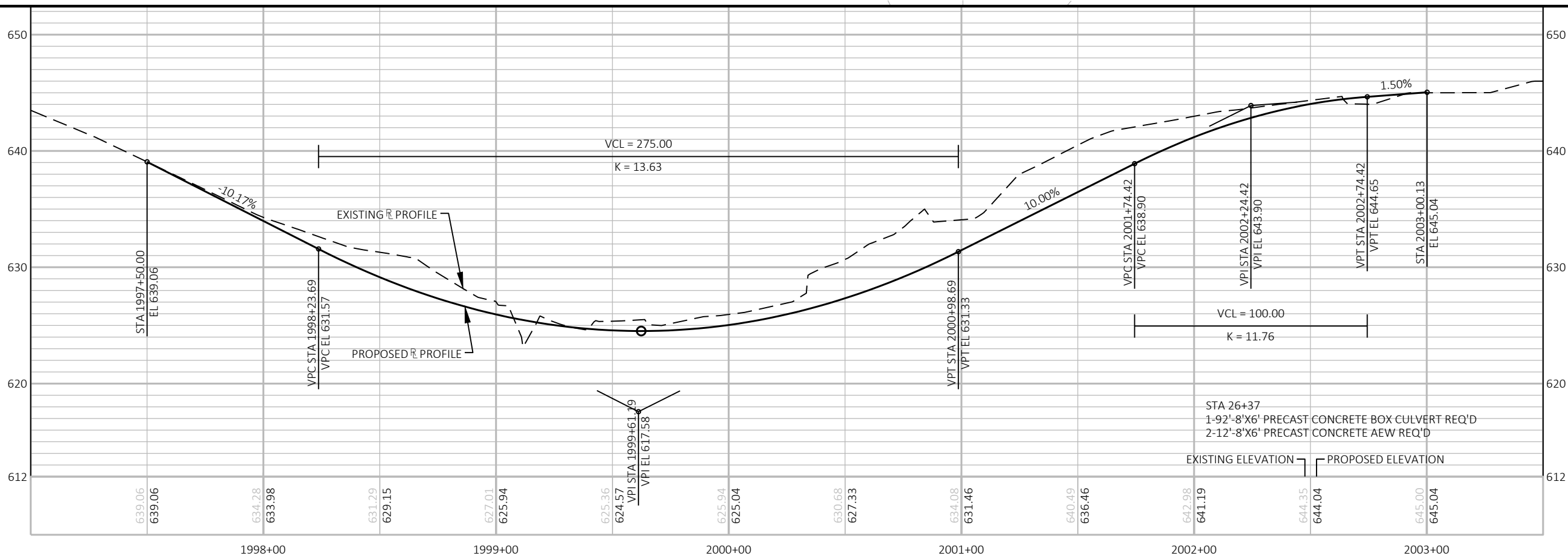
**RECORD DRAWINGS
 UPDATED 06/2020
 NO SHEET CHANGES**



5

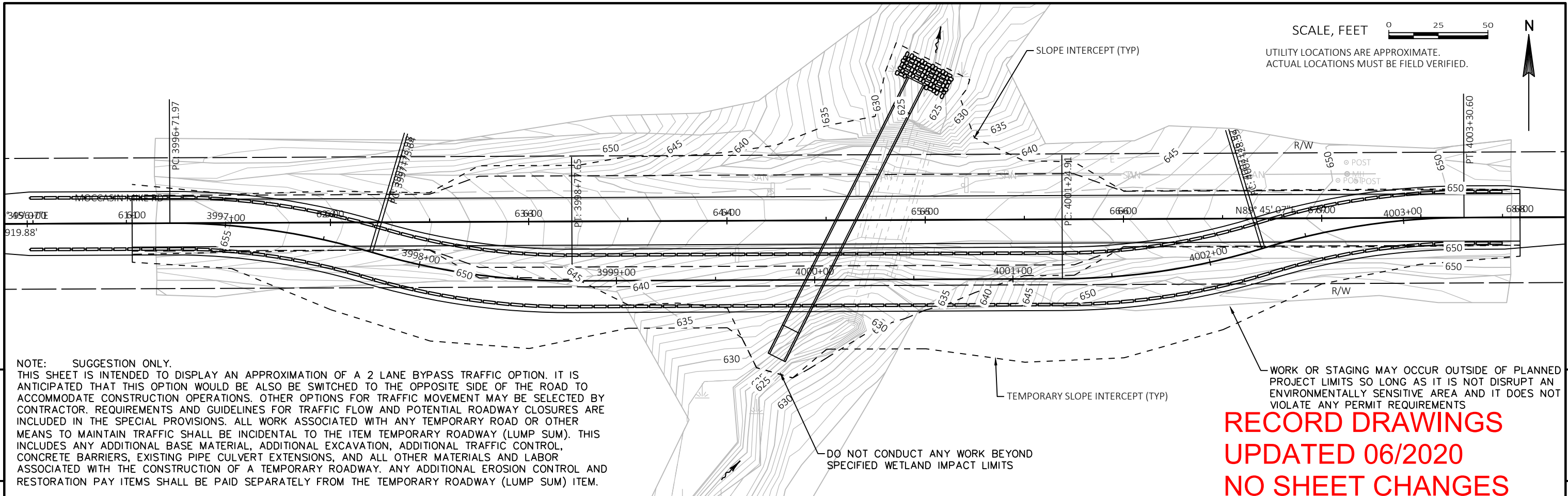
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**RECORD DRAWINGS
 UPDATED 06/2020
 NO SHEET CHANGES**



SCALE, FEET 0 25 50

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



NOTE: SUGGESTION ONLY.
THIS SHEET IS INTENDED TO DISPLAY AN APPROXIMATION OF A 2 LANE BYPASS TRAFFIC OPTION. IT IS ANTICIPATED THAT THIS OPTION WOULD BE ALSO BE SWITCHED TO THE OPPOSITE SIDE OF THE ROAD TO ACCOMMODATE CONSTRUCTION OPERATIONS. OTHER OPTIONS FOR TRAFFIC MOVEMENT MAY BE SELECTED BY CONTRACTOR. REQUIREMENTS AND GUIDELINES FOR TRAFFIC FLOW AND POTENTIAL ROADWAY CLOSURES ARE INCLUDED IN THE SPECIAL PROVISIONS. ALL WORK ASSOCIATED WITH ANY TEMPORARY ROAD OR OTHER MEANS TO MAINTAIN TRAFFIC SHALL BE INCIDENTAL TO THE ITEM TEMPORARY ROADWAY (LUMP SUM). THIS INCLUDES ANY ADDITIONAL BASE MATERIAL, ADDITIONAL EXCAVATION, ADDITIONAL TRAFFIC CONTROL, CONCRETE BARRIERS, EXISTING PIPE CULVERT EXTENSIONS, AND ALL OTHER MATERIALS AND LABOR ASSOCIATED WITH THE CONSTRUCTION OF A TEMPORARY ROADWAY. ANY ADDITIONAL EROSION CONTROL AND RESTORATION PAY ITEMS SHALL BE PAID SEPARATELY FROM THE TEMPORARY ROADWAY (LUMP SUM) ITEM.

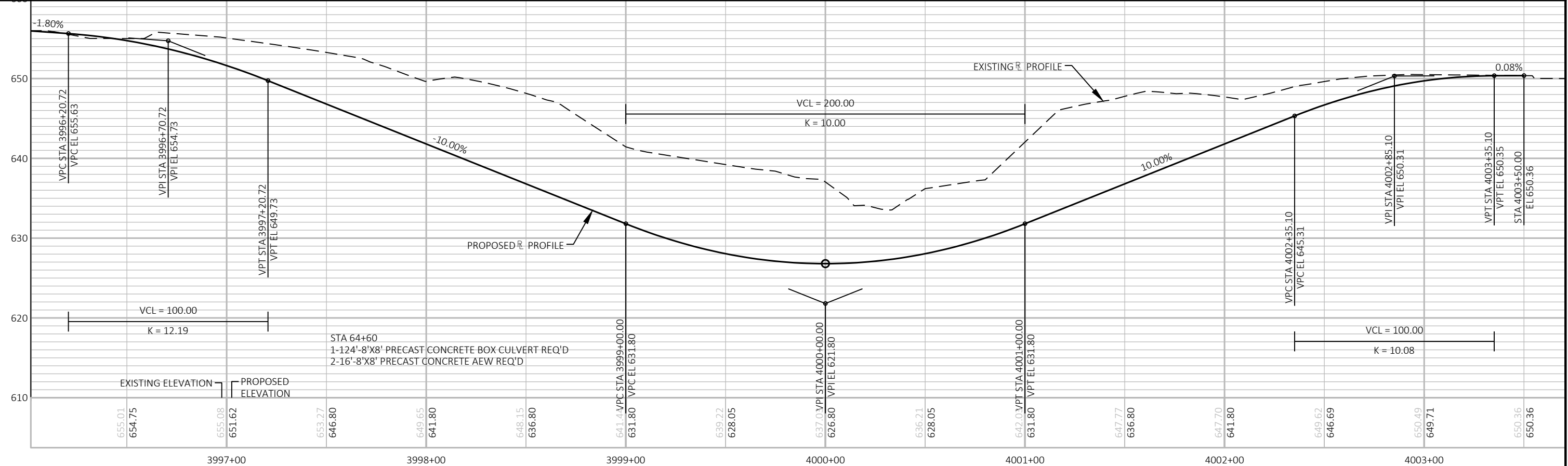
WORK OR STAGING MAY OCCUR OUTSIDE OF PLANNED PROJECT LIMITS SO LONG AS IT IS NOT DISRUPT AN ENVIRONMENTALLY SENSITIVE AREA AND IT DOES NOT VIOLATE ANY PERMIT REQUIREMENTS

DO NOT CONDUCT ANY WORK BEYOND SPECIFIED WETLAND IMPACT LIMITS

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

5

5



EXCAVATION QUANTITIES BREAKDOWN

EARTHWORK TABLE CULVERT #2									
Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
24+00.000	68.43	0	0	0	0	0	0	0	0
24+50.000	119.09	173.63	173.63	0	0	173.63	173.63	0	173.63
25+00.000	66.47	171.82	171.82	61.12	56.59	345.45	345.45	56.59	288.86
25+50.000	65.77	122.45	122.45	274.36	310.63	467.9	467.9	367.22	100.68
26+00.000	78.66	133.73	133.73	124.25	369.08	601.63	601.63	736.3	-134.67
26+37.000	96.71	120.16	120.16	129.22	173.67	721.79	721.79	909.97	-188.18
26+50.000	98.2	46.92	46.92	73.95	48.91	768.72	768.72	958.89	-190.17
27+00.000	129.92	211.22	211.22	25.3	91.9	979.94	979.94	1050.79	-70.85
27+50.000	138.67	248.69	248.69	15.81	38.07	1228.63	1228.63	1088.86	139.77
28+00.000	73.53	196.48	196.48	0	14.64	1425.11	1425.11	1103.5	321.61
28+50.000	70.18	133.07	133.07	0	0	1558.18	1558.18	1103.5	454.68
28+75.000	68.17	64.05	64.05	0	0	1622.23	1622.23	1103.5	518.74

EARTHWORK SUMMARY CULVERT # 5									
Station	Cut Area (Sq.ft.)	Cut Volume (Cu.yd.)	Reusable Volume (Cu.yd.)	Fill Area (Sq.ft.)	Fill Volume (Cu.yd.)	Cum. Cut Vol. (Cu.yd.)	Cum. Reusable Vol. (Cu.yd.)	Cum. Fill Vol. (Cu.yd.)	Cum. Net Vol. (Cu.yd.)
61+00.000	55.76	0	0	0	0	0	0	0	0
61+50.000	70.53	116.94	116.94	0	0	116.94	116.94	0	116.94
62+00.000	66.33	126.72	126.72	0	0	243.66	243.66	0	243.66
62+50.000	66.32	122.83	122.83	0	0	366.49	366.49	0	366.49
63+00.000	86.52	141.52	141.52	0.62	0.57	508.01	508.01	0.57	507.43
63+50.000	110.56	182.48	182.48	25.42	24.11	690.49	690.49	24.68	665.81
64+00.000	84.87	180.95	180.95	34.27	55.27	871.44	871.44	79.95	791.49
64+50.000	113.66	183.82	183.82	161.73	181.48	1055.26	1055.26	261.43	793.83
65+00.000	95.2	193.39	193.39	349.66	473.51	1248.65	1248.65	734.94	513.7
65+50.000	76.03	158.54	158.54	7.24	330.46	1407.19	1407.19	1065.41	341.78
66+00.000	64.21	129.85	129.85	0	6.7	1537.04	1537.04	1072.11	464.93
66+50.000	66.74	121.25	121.25	0	0	1658.29	1658.29	1072.11	586.18
67+00.000	67.25	124.06	124.06	0	0	1782.35	1782.35	1072.11	710.25
67+50.000	68.56	125.74	125.74	0	0	1908.1	1908.1	1072.11	835.99
68+00.000	60.09	119.12	119.12	0	0	2027.22	2027.22	1072.11	955.11

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

SUBBASE MATERIAL BREAKDOWN

Material Report - Select Borrow (Subbase Layer - 12")				
Alignment: Alignment - Ali-Prof Moccasin Mike Road				
Start Sta: 24+00				
End Sta: 28+75				
PIPE # 2				
Station	Area Type	Area Sq.ft.	Inc.Vol. Cu.yd.	Cum.Vol. Cu.yd.
24+00.00	Select Borrow	28.34	0.00	0.00
24+25.00	Select Borrow	42.55	32.82	32.82
24+50.00	Select Borrow	56.55	45.88	78.70
25+00.00	Select Borrow	66.12	113.58	192.28
25+50.00	Select Borrow	66.12	122.44	314.72
26+00.00	Select Borrow	63.80	120.30	435.02
26+37.00	Select Borrow	60.90	85.44	520.46
26+50.00	Select Borrow	60.90	29.32	549.78
27+00.00	Select Borrow	60.90	112.78	662.56
27+50.00	Select Borrow	60.90	112.78	775.34
27+75.00	Select Borrow	60.90	56.39	831.73
28+00.00	Select Borrow	28.28	41.29	873.02
28+50.00	Select Borrow	28.28	52.37	925.39
28+75.00	Select Borrow	28.28	26.19	951.58

TOTAL = 955.00

Material Report - Select Borrow (Subbase Layer - 12")				
Alignment: Alignment - Ali-Prof Moccasin Mike Road				
Start Sta: 61+00				
End Sta: 68+00				
PIPE # 5				
Station	Area Type	Area Sq.ft.	Inc.Vol. Cu.yd.	Cum.Vol. Cu.yd.
61+00.00	Select Borrow	28.00	0.00	0.00
61+50.00	Select Borrow	28.00	51.85	51.85
62+00.00	Select Borrow	28.00	51.85	103.70
62+50.00	Select Borrow	28.00	51.85	155.55
63+00.00	Select Borrow	56.55	78.29	233.84
63+50.00	Select Borrow	60.90	108.75	342.59
64+00.00	Select Borrow	63.03	114.75	457.34
64+40.00	Select Borrow	64.57	94.52	551.86
64+50.00	Select Borrow	64.57	23.91	575.77
65+00.00	Select Borrow	64.57	119.57	695.34
65+50.00	Select Borrow	56.55	112.15	807.49
66+00.00	Select Borrow	28.00	78.29	885.78
66+50.00	Select Borrow	28.00	51.85	937.63
67+00.00	Select Borrow	28.00	51.85	989.48
67+50.00	Select Borrow	28.00	51.85	1041.33
68+00.00	Select Borrow	28.00	51.85	1093.18

TOTAL = 1095.00

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

BASE AGGREGATE MATERIAL BREAKDOWN

Material Report - Base Aggregate Dense 1-1/4 (10")				
Alignment: Alignment - Ali-Prof Moccasin Mike Road				
Start Sta: 24+00				
End Sta: 28+75				
PIPE # 2				
Station	Area Type	Area Sq.ft.	Inc.Vol. Cu.yd.	Cum.Vol. Cu.yd.
24+00.00	Base Agg Dense 1-1/4	23.35	0.00	0.00
24+25.00	Base Agg Dense 1-1/4	44.11	31.23	31.23
24+50.00	Base Agg Dense 1-1/4	44.11	40.84	72.07
25+00.00	Base Agg Dense 1-1/4	46.13	83.56	155.63
25+50.00	Base Agg Dense 1-1/4	46.13	85.43	241.06
26+00.00	Base Agg Dense 1-1/4	45.23	84.59	325.65
26+37.00	Base Agg Dense 1-1/4	44.11	61.21	386.86
26+50.00	Base Agg Dense 1-1/4	44.11	21.24	408.10
27+00.00	Base Agg Dense 1-1/4	44.11	81.69	489.79
27+50.00	Base Agg Dense 1-1/4	44.11	81.69	571.48
27+75.00	Base Agg Dense 1-1/4	44.11	40.84	612.32
28+00.00	Base Agg Dense 1-1/4	29.67	34.16	646.48
28+50.00	Base Agg Dense 1-1/4	29.67	54.94	701.42
28+75.00	Base Agg Dense 1-1/4	29.67	27.47	728.89

Base Agg = 2.0 tons/cy
 Base Agg = 1458
 TOTAL Base Agg 1-1/4 = 1460

Material Report - Base Aggregate Dense 3/4 (6")				
Alignment: Alignment - Ali-Prof Moccasin Mike Road				
Start Sta: 24+00				
End Sta: 28+75				
PIPE # 2				
Station	Area Type	Area Sq.ft.	Inc.Vol. Cu.yd.	Cum.Vol. Cu.yd.
24+00.00	Base Agg Dense 3/4	1.85	0.00	0.00
24+25.00	Base Agg Dense 3/4	10.91	5.91	5.91
24+50.00	Base Agg Dense 3/4	10.91	10.10	16.01
25+00.00	Base Agg Dense 3/4	11.13	20.41	36.42
25+50.00	Base Agg Dense 3/4	11.13	20.61	57.03
26+00.00	Base Agg Dense 3/4	11.03	20.52	77.55
26+37.00	Base Agg Dense 3/4	10.91	15.03	92.58
26+50.00	Base Agg Dense 3/4	10.91	5.25	97.83
27+00.00	Base Agg Dense 3/4	10.91	20.20	118.03
27+50.00	Base Agg Dense 3/4	10.91	20.20	138.23
27+75.00	Base Agg Dense 3/4	10.91	10.10	148.33
28+00.00	Base Agg Dense 3/4	2.98	6.43	154.76
28+50.00	Base Agg Dense 3/4	2.98	5.52	160.28
28+75.00	Base Agg Dense 3/4	2.98	2.76	163.04

Base Agg = 2.1 tons/cy
 Base Agg = 345
 TOTAL Base Agg 3/4 = 345

**RECORD DRAWINGS
 UPDATED 06/2020
 NO SHEET CHANGES**

BASE AGGREGATE MATERIAL BREAKDOWN

Material Report - Base Aggregate Dense 1-1/4 (10")				
Alignment: Alignment - Ali-Prof Moccasin Mike Road				
Start Sta: 61+00				
End Sta: 68+00				
Station	Area Type	Area Sq.ft.	Inc.Vol. Cu.yd.	Cum.Vol. Cu.yd.
61+00.00	Base Agg Dense 1-1/4	23.35	0.00	0.00
61+50.00	Base Agg Dense 1-1/4	23.35	43.24	43.24
62+00.00	Base Agg Dense 1-1/4	23.35	43.24	86.48
62+50.00	Base Agg Dense 1-1/4	23.35	43.24	129.72
63+00.00	Base Agg Dense 1-1/4	44.11	62.46	192.18
63+50.00	Base Agg Dense 1-1/4	44.11	81.69	273.87
64+00.00	Base Agg Dense 1-1/4	44.89	82.41	356.28
64+40.00	Base Agg Dense 1-1/4	45.00	66.59	422.87
64+50.00	Base Agg Dense 1-1/4	45.53	16.76	439.63
65+00.00	Base Agg Dense 1-1/4	45.53	84.31	523.94
65+50.00	Base Agg Dense 1-1/4	44.11	83.00	606.94
66+00.00	Base Agg Dense 1-1/4	23.35	62.46	669.40
66+50.00	Base Agg Dense 1-1/4	23.35	43.24	712.64
67+00.00	Base Agg Dense 1-1/4	23.35	43.24	755.88
67+50.00	Base Agg Dense 1-1/4	23.35	43.24	799.12
68+00.00	Base Agg Dense 1-1/4	23.35	43.24	842.36

Base Agg = 2.0 tons/cy
 Base Agg = 1685
TOTAL Base Agg 1-1/4 = 1685

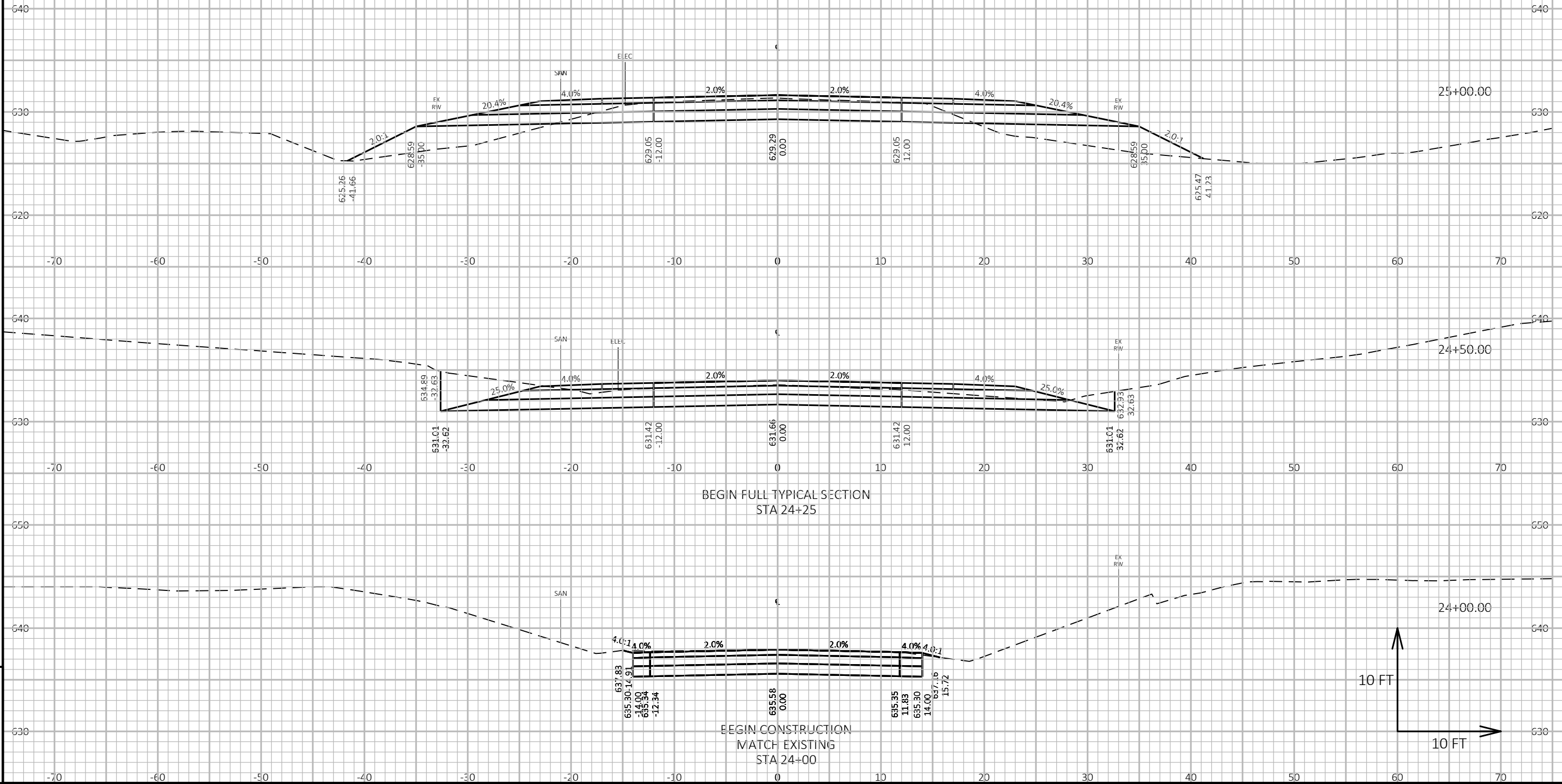
Material Report - Base Aggregate Dense 3/4 (6")				
Alignment: Alignment - Ali-Prof Moccasin Mike Road				
Start Sta: 61+00				
End Sta: 68+00				
Station	Area Type	Area Sq.ft.	Inc.Vol. Cu.yd.	Cum.Vol. Cu.yd.
61+00.00	Base Agg Dense 3/4	2.10	0.00	0.00
61+50.00	Base Agg Dense 3/4	2.10	3.89	3.89
62+00.00	Base Agg Dense 3/4	2.10	3.89	7.78
62+50.00	Base Agg Dense 3/4	2.10	3.89	11.67
63+00.00	Base Agg Dense 3/4	10.91	12.05	23.72
63+50.00	Base Agg Dense 3/4	10.91	20.20	43.92
64+00.00	Base Agg Dense 3/4	11.00	20.29	64.21
64+40.00	Base Agg Dense 3/4	11.00	16.30	80.51
64+50.00	Base Agg Dense 3/4	11.06	4.09	84.60
65+00.00	Base Agg Dense 3/4	11.06	20.48	105.08
65+50.00	Base Agg Dense 3/4	10.91	20.34	125.42
66+00.00	Base Agg Dense 3/4	2.10	12.05	137.47
66+50.00	Base Agg Dense 3/4	2.10	3.89	141.36
67+00.00	Base Agg Dense 3/4	2.10	3.89	145.25
67+50.00	Base Agg Dense 3/4	2.10	3.89	149.14
68+00.00	Base Agg Dense 3/4	2.10	3.89	153.03

Base Agg = 2.1 tons/cy
 Base Agg = 320
TOTAL Base Agg 3/4 = 320

**RECORD DRAWINGS
 UPDATED 06/2020
 NO SHEET CHANGES**

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY LOCATIONS AFE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



9

9

PROJECT NO: SUPER 150073 HWY: MOCCASIN MIKE ROAD COUNTY: DOUGLAS CROSS SECTIONS: CROSSING #2 SHEET 19 E

FILE NAME: D:\PT\S\SUPER\150073\7-CONST-SVCS\76-RECORD-DRAWG\090201-XS-CROSSING2.DWG
LAYOUT NAME - 090201

PLOT DATE: 6/29/2020 9:00 AM

PLOT BY: JUSTIN P. SHAVLIK

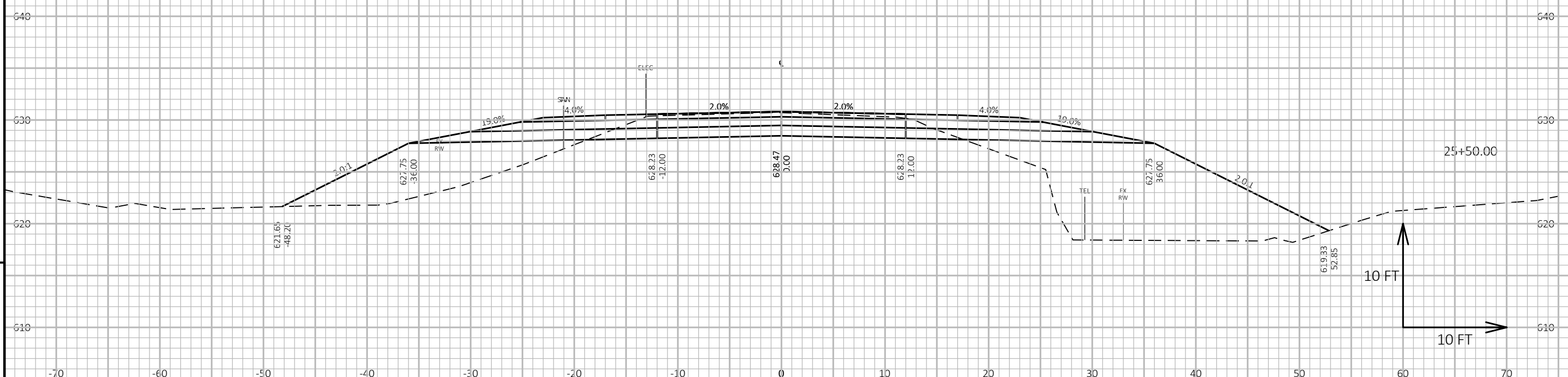
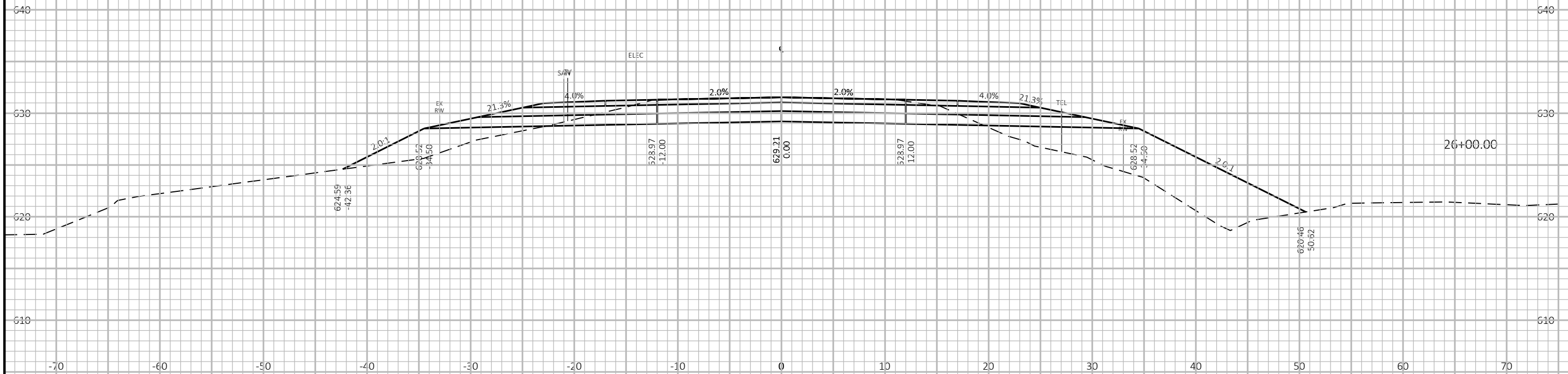
PLOT NAME:

PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADD SHEET 49

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



PROJECT NO: SUPER 150073	HWY: MOCCASIN MIKE ROAD	COUNTY: DOUGLAS	CROSS SECTIONS: CROSSING #2	SHEET 20	E
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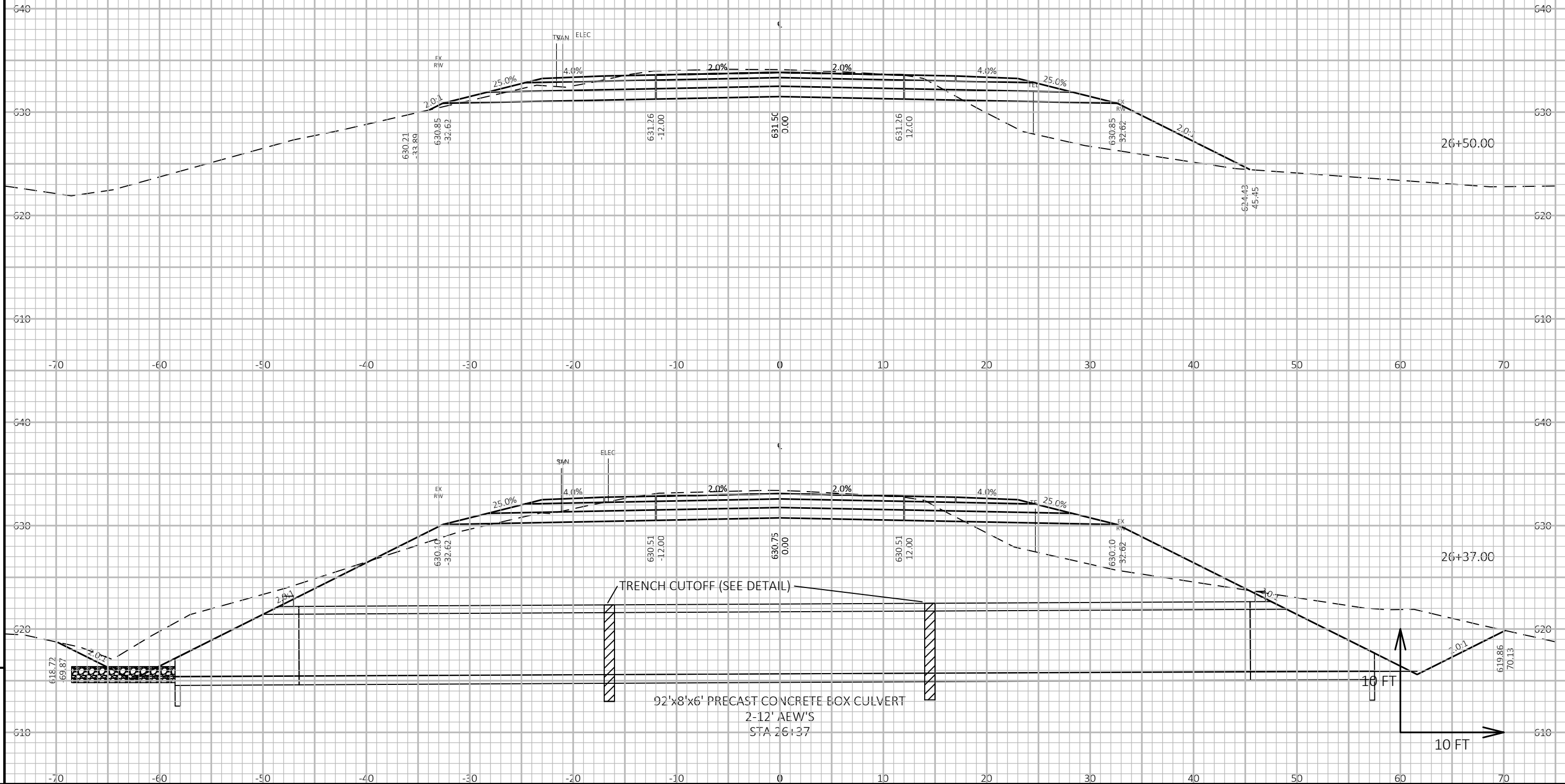
FILE NAME : D:\PT\SUPER\150073\7-CONST-SVCS\76-RECORD-DRAWG\090201-XS-CROSSING2.DWG PLOT DATE : 6/29/2020 9:00 AM PLOT BY : JUSTIN P. SHAVLIK PLOT NAME : PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT. WISDOT/CADD SHEET 49

9

9

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



PROJECT NO: SUPER 150073

HWY: MOCCASIN MIKE ROAD

COUNTY: DOUGLAS

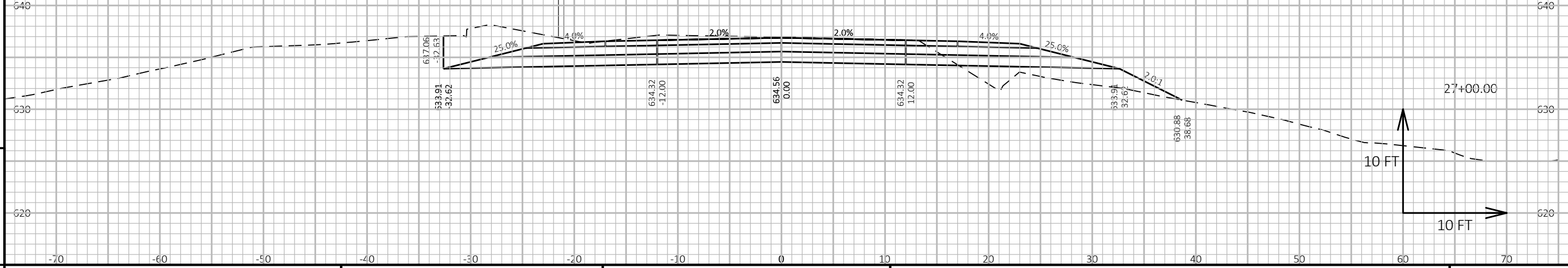
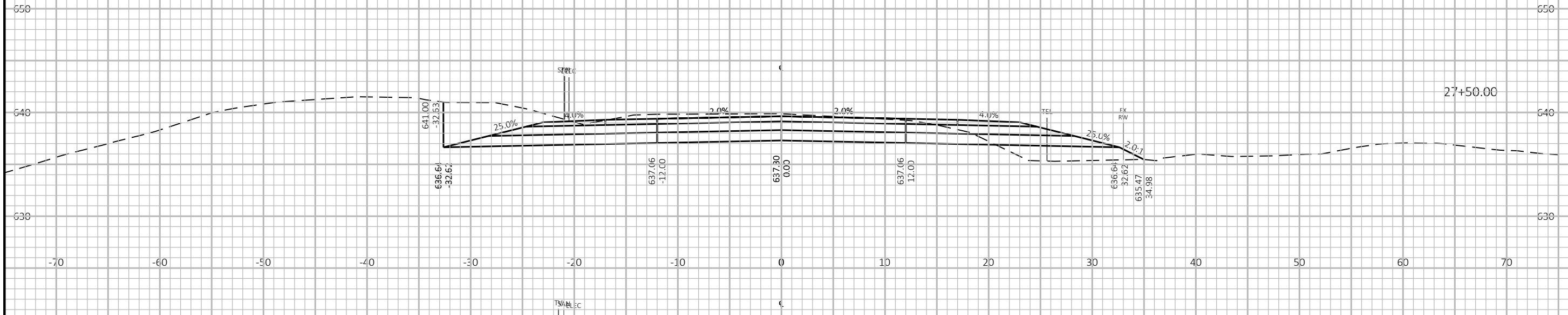
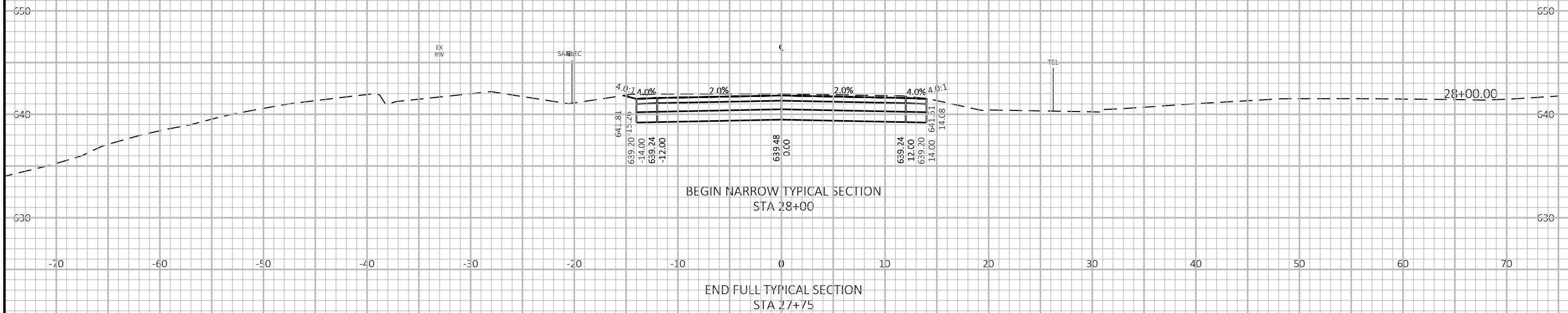
CROSS SECTIONS: CROSSING #2

SHEET 21

E

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



PROJECT NO: SUPER 150073 HWY: MOCCASIN MIKE ROAD COUNTY: DOUGLAS CROSS SECTIONS: CROSSING #2 SHEET 22 E

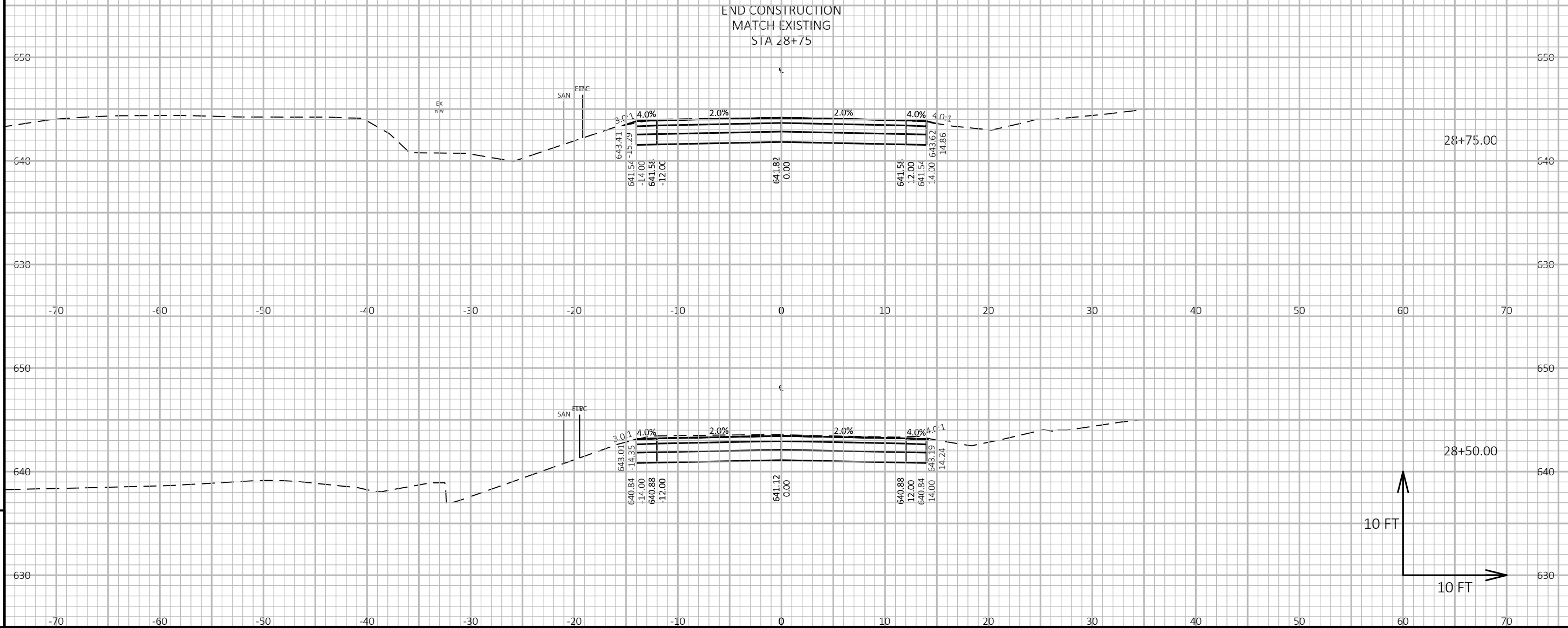
FILE NAME: D:\PT\S\SUPER\150073\7-CONST-SVCS\76-RECORD-DRAWG\090201-XS-CROSSING2.DWG PLOT DATE: 6/29/2020 9:01 AM PLOT BY: JUSTIN P. SHAVLIK PLOT NAME: PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT. WISDOT/CADD SHEET 49

9

9

**RECORD DRAWINGS
 UPDATED 06/2020
 NO SHEET CHANGES**

UTILITY LOCATIONS AFE APPROXIMATE.
 ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



9

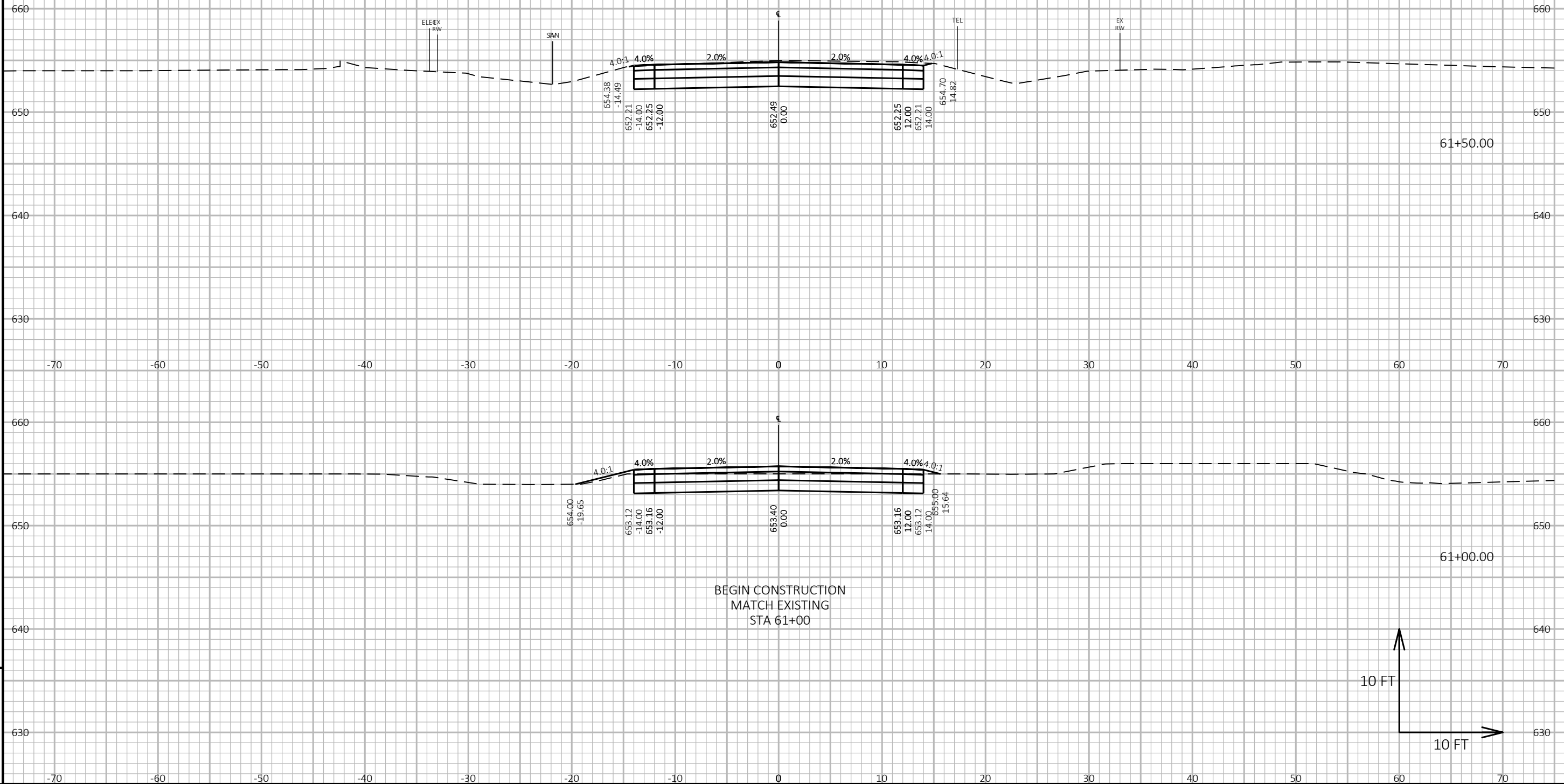
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PROJECT NO: SUPER 150073 HWY: MOCCASIN MIKE ROAD COUNTY: DOUGLAS CROSS SECTIONS: CROSSING #2 SHEET 23 E

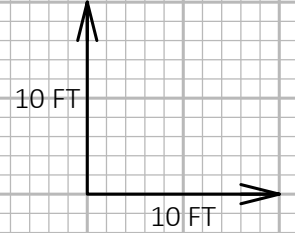
FILE NAME: D:\PT\S\SUPER\150073\7-CONST-SVCS\76-RECORD-DRAWG\090201-XS-CROSSING2.DWG PLOT DATE: 6/29/2020 9:01 AM PLOT BY: JUSTIN P. SHAVLIK PLOT NAME: PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT. WISDOT/CADD SHEET 49

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.

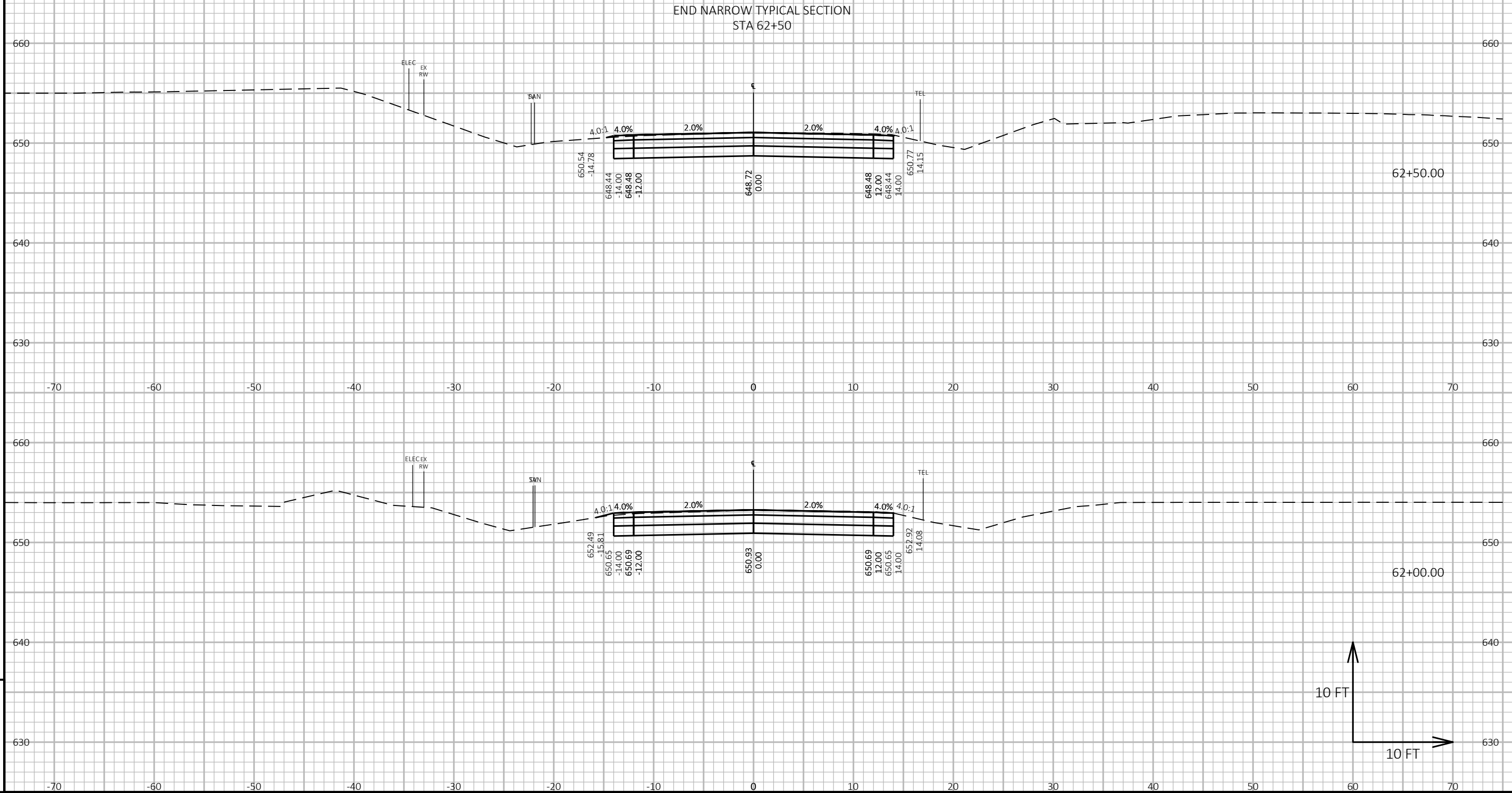


BEGIN CONSTRUCTION
MATCH EXISTING
STA 61+00



**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



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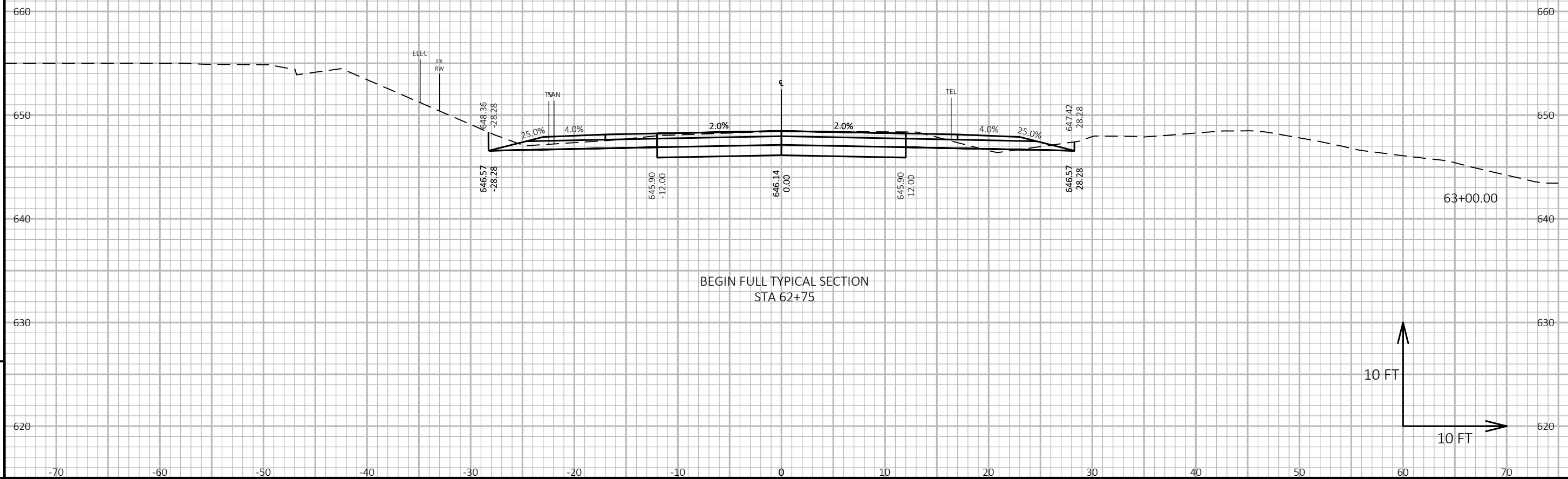
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PROJECT NO: SUPER 150073 | HWY: MOCCASIN MIKE ROAD | COUNTY: DOUGLAS | CROSS SECTIONS: CROSSING #5 | SHEET 25 | E

FILE NAME: D:\PT\S\SUPER\150073\7-CONST-SVCS\76-RECORD-DWG\090201-XS-CROSSINGS.DWG | PLOT DATE: 6/29/2020 9:02 AM | PLOT BY: JUSTIN P. SHAVLIK | PLOT NAME: | PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT. | WISDOT/CADD SHEET 49

RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



9

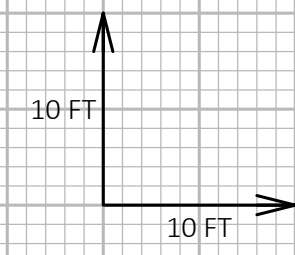
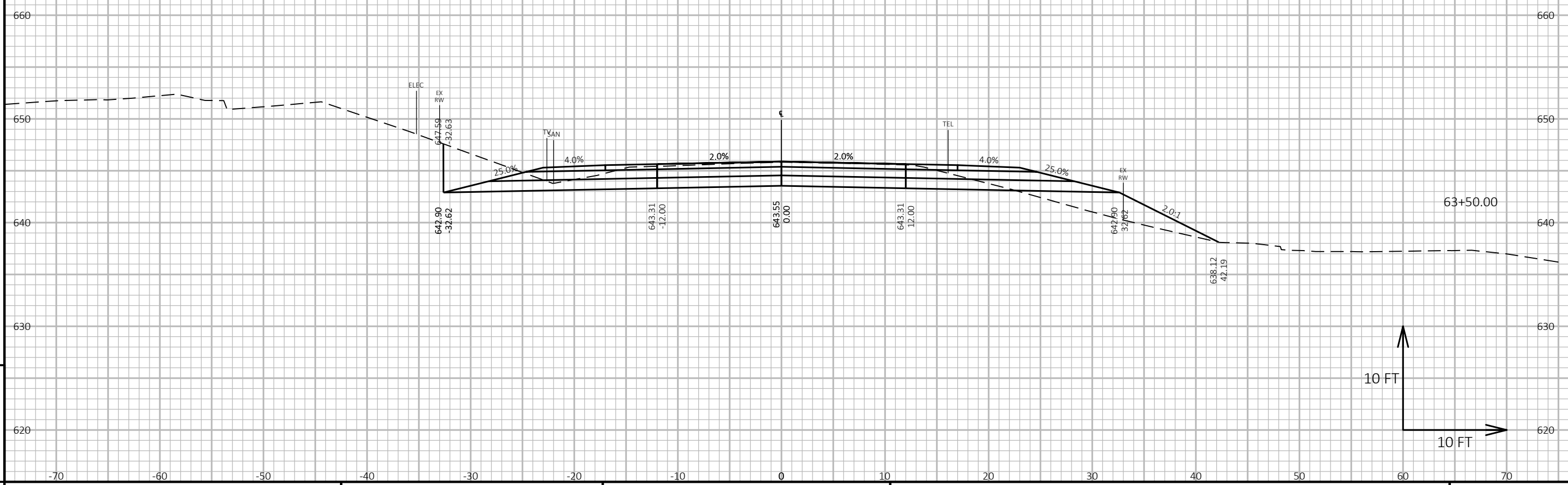
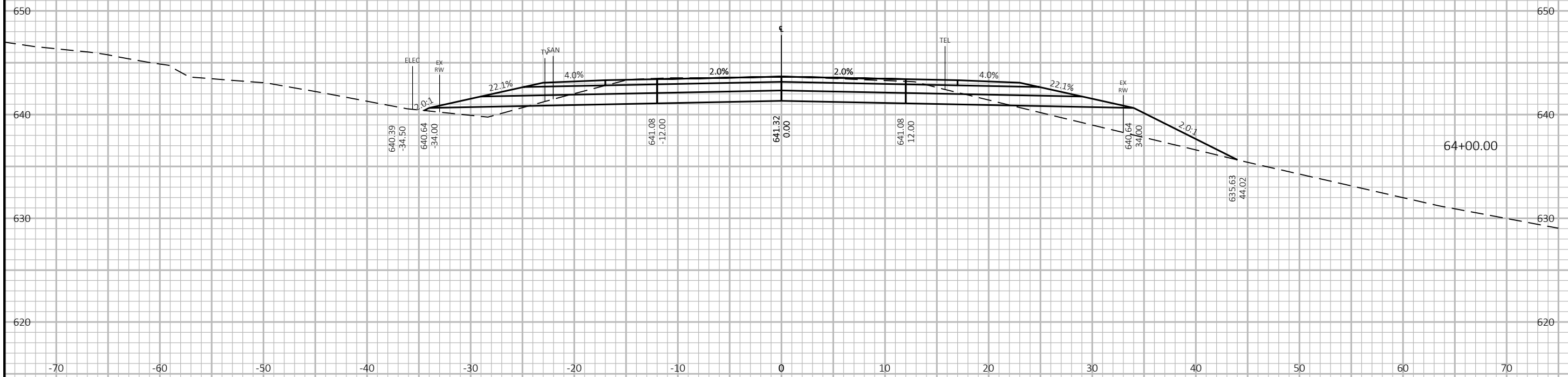
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PROJECT NO: SUPER 150073 HWY: MOCCASIN MIKE ROAD COUNTY: DOUGLAS CROSS SECTIONS: CROSSING #5 SHEET 26 E

FILE NAME: D:\PT\SUPER\150073\7-CONST-SVCS\76-RECORD-DWG\090201-XS-CROSSINGS.DWG PLOT DATE: 6/29/2020 9:02 AM PLOT BY: JUSTIN P. SHAVLIK PLOT NAME: PLOT SCALE: 1 IN:10 FT HORZ. / 1 IN:10 FT VERT. WISDOT/CADD SHEET 49

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.

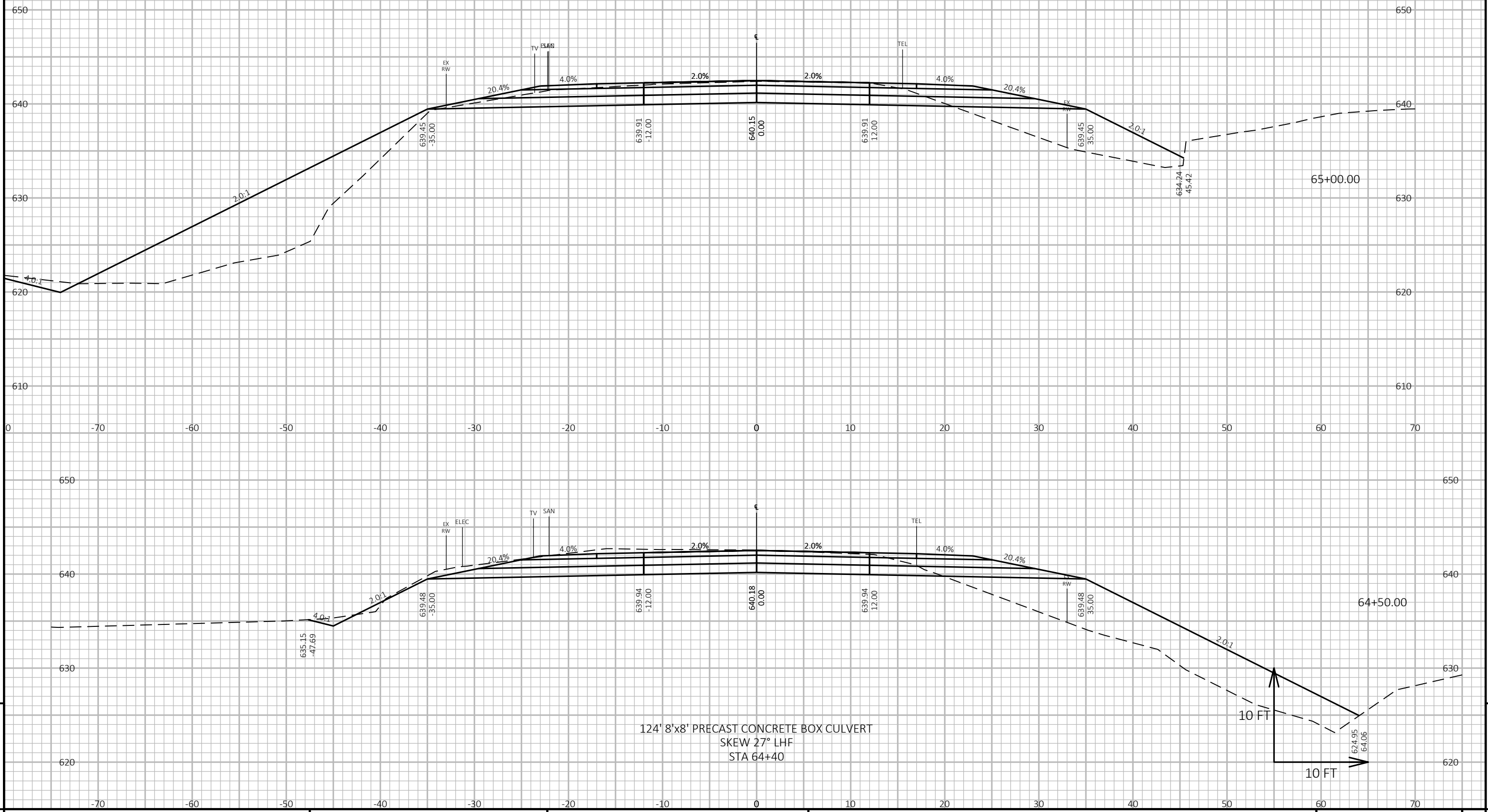


9

PROJECT NO: SUPER 150073 HWY: MOCCASIN MIKE ROAD COUNTY: DOUGLAS CROSS SECTIONS: CROSSING #5 SHEET 27 E

**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



124' 8'x8' PRECAST CONCRETE BOX CULVERT
SKEW 27° LHF
STA 64+40

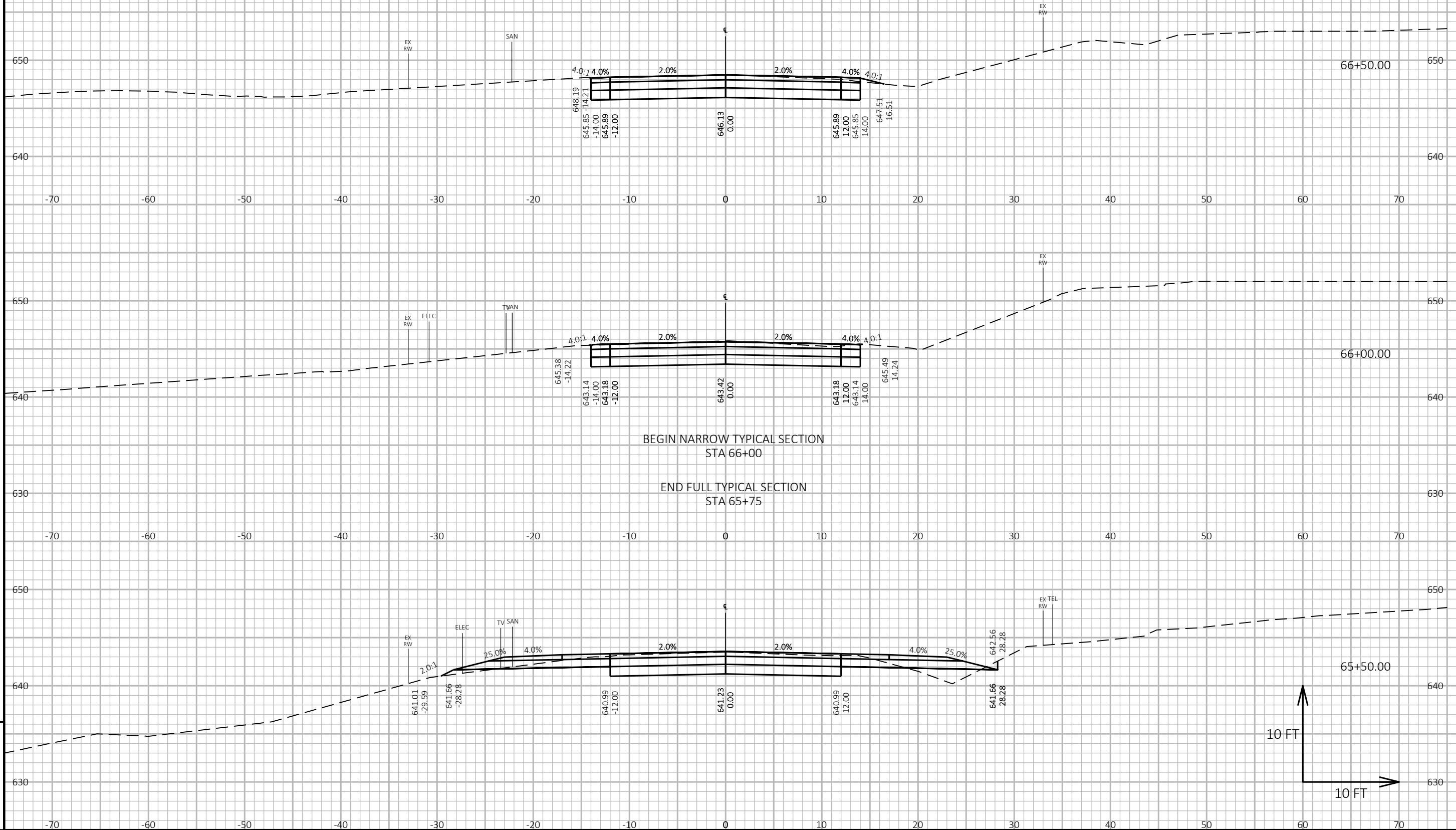
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PROJECT NO: SUPER 150073	HWY: MOCCASIN MIKE ROAD	COUNTY: DOUGLAS	CROSS SECTIONS: CROSSING #5	SHEET 28	E
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**RECORD DRAWINGS
UPDATED 06/2020
NO SHEET CHANGES**

UTILITY LOCATIONS ARE APPROXIMATE.
ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



PROJECT NO: SUPER 150073

HWY: MOCCASIN MIKE ROAD

COUNTY: DOUGLAS

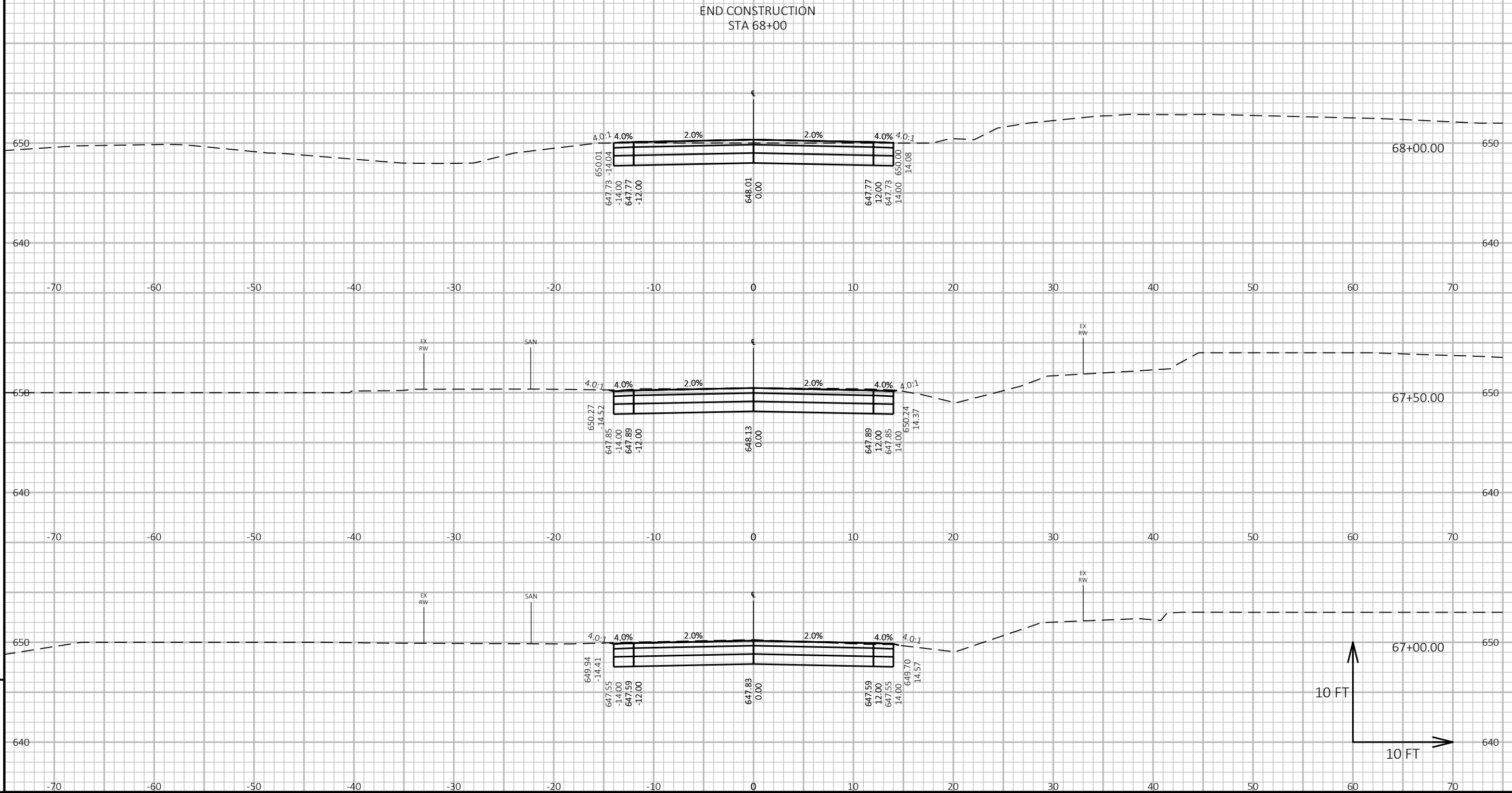
CROSS SECTIONS: CROSSING #5

SHEET 29

E

**RECORD DRAWINGS
 UPDATED 06/2020
 NO SHEET CHANGES**

UTILITY LOCATIONS ARE APPROXIMATE.
 ACTUAL LOCATIONS MUST BE FIELD VERIFIED.



PROJECT NO: SUPER 150073

HWY: MOCCASIN MIKE ROAD

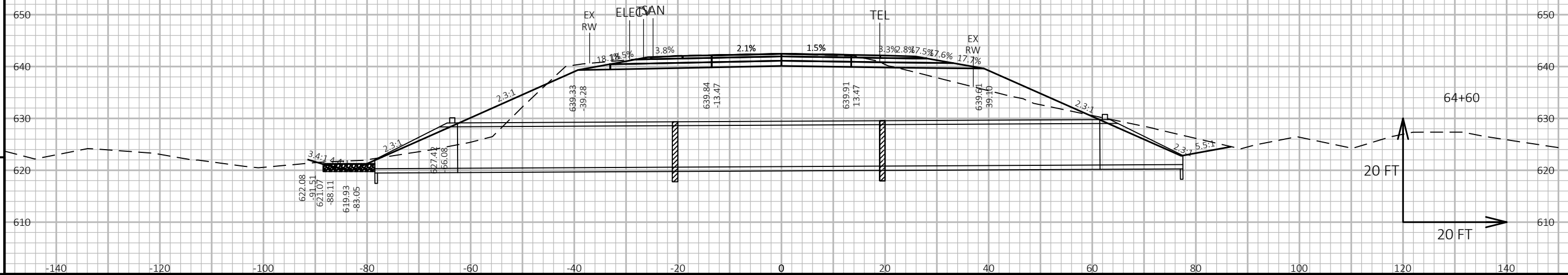
COUNTY: DOUGLAS

CROSS SECTIONS: CROSSING #5

SHEET 30

E

RECORD DRAWINGS
 UPDATED 06/2020
 NO SHEET CHANGES



PROJECT NO: SUPER 150073

HWY: MOCCASIN MIKE ROAD

COUNTY: DOUGLAS

CROSS SECTIONS: CROSSING #5

SHEET 31

E