STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PLAN LEGEND

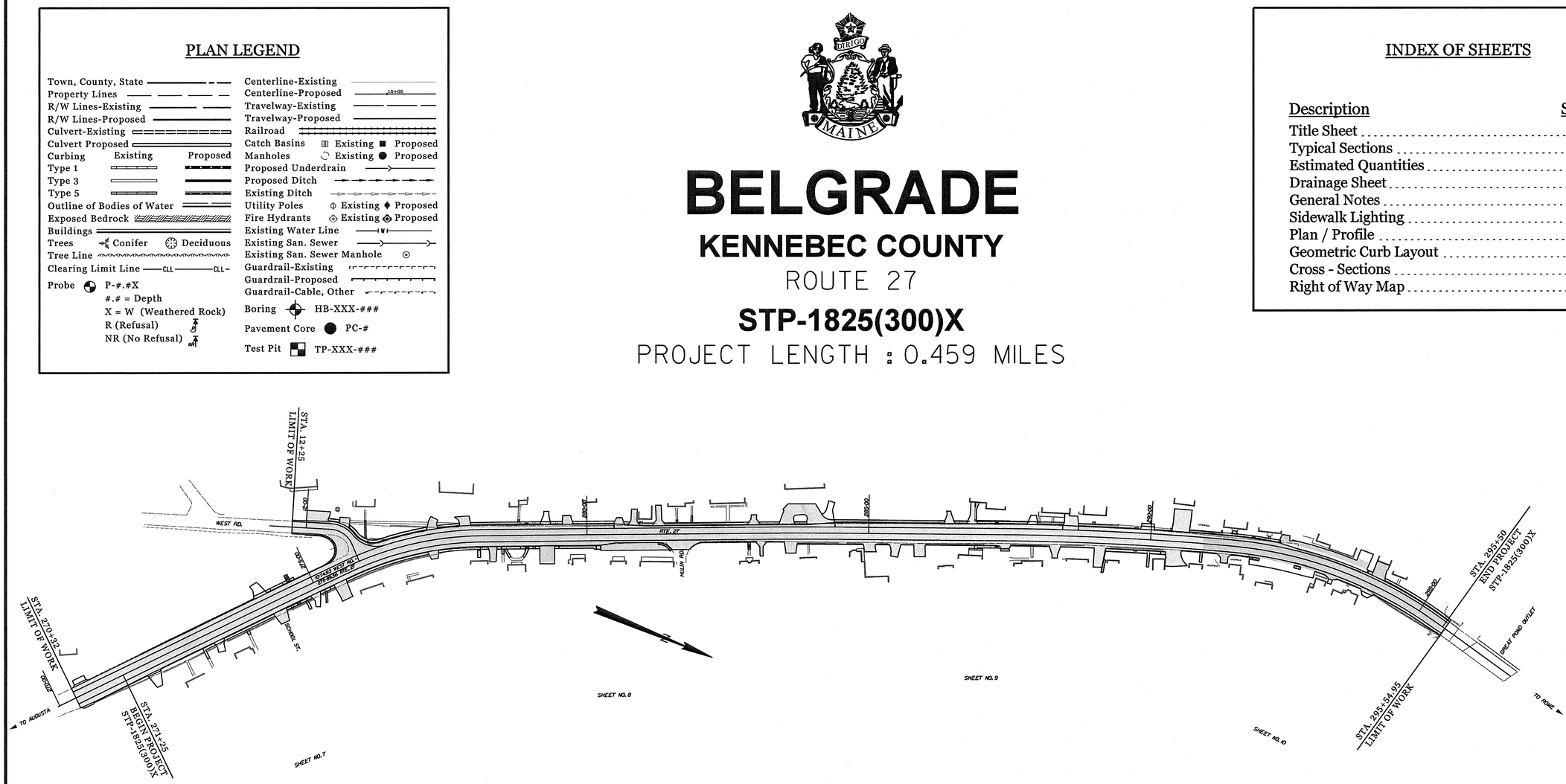
Town, County, State
Property Lines
R/W Lines-Existing
R/W Lines-Proposed
Culvert-Existing
Culvert Proposed
Curbing — Existing — Proposed
Type 1
Type 3
Type 5
Outline of Bodies of Water
Exposed Bedrock
Buildings
Trees — Conifer — Deciduous
Tree Line
Clearing Limit Line — CLL — CLL
Probe — P-#.#X; #.# = Depth; X = W (Weathered Rock); R (Refusal); NR (No Refusal)

Centerline-Existing
Centerline-Proposed
Travelway-Existing
Travelway-Proposed
Railroad
Catch Basins — Existing — Proposed
Manholes — Existing — Proposed
Proposed Underdrain
Proposed Ditch
Existing Ditch
Utility Poles — Existing — Proposed
Fire Hydrants — Existing — Proposed
Existing Water Line
Existing San. Sewer
Existing San. Sewer Manhole
Guardrail-Existing
Guardrail-Proposed
Guardrail-Cable, Other
Boring — HB-XXX-###
Pavement Core — PC-#
Test Pit — TP-XXX-###

BELGRADE
KENNEBEC COUNTY
ROUTE 27
STP-1825(300)X
PROJECT LENGTH : 0.459 MILES

INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
Typical Sections	2 - 3
Estimated Quantities	4
Drainage Sheet	5
General Notes	6
Sidewalk Lighting	7 - 10
Plan / Profile	11 - 15
Geometric Curb Layout	16 - 21
Cross - Sections	22 -60
Right of Way Map	61 - 64



TRAFFIC DATA

Current (2018) AADT	3,720
Future (2038) AADT	4,460
DHV - % of AADT	11 %
Design Hour Volume	473
% Heavy Trucks (AADT)	8 %
% Heavy Trucks (DHV)	8 %
Directional Distribution (DHV)	63 %
18 kip Equivalent P 2.0	133
18 kip Equivalent P 2.5	127
Design Speed (mph)	25
Functional Class:	Minor Arterial
Corridor Priority:	2

LAYOUT SCALE

100 0 100 200

Scale in Feet

PROJECT LOCATION:	BELGRADE, ME
PROGRAM AREA:	HIGHWAY PROGRAM
SCOPE OF WORK:	RECONSTRUCTION WITH GRADING, DRAINAGE, BASE, PAVEMENT AND INTERSECTION IMPROVEMENTS.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE 2/1/18
COMMISSIONER: Paul Ward Taylor — DATE 2-1-18
CHIEF ENGINEER:

ALBERT L. GODFREY — 4226 — REGISTERED PROFESSIONAL ENGINEER — STATE OF MAINE

SIGNATURE
4226 P.E. NUMBER
January 12, 2018 DATE

PROJECT INFORMATION

PROGRAM	HIGHWAY
PROJECT MANAGER	ERNEST MARTIN
DESIGNER	MICHEL S. MORIN
CONSULTANT	TERRA MAGNA SERVICES, INC.
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

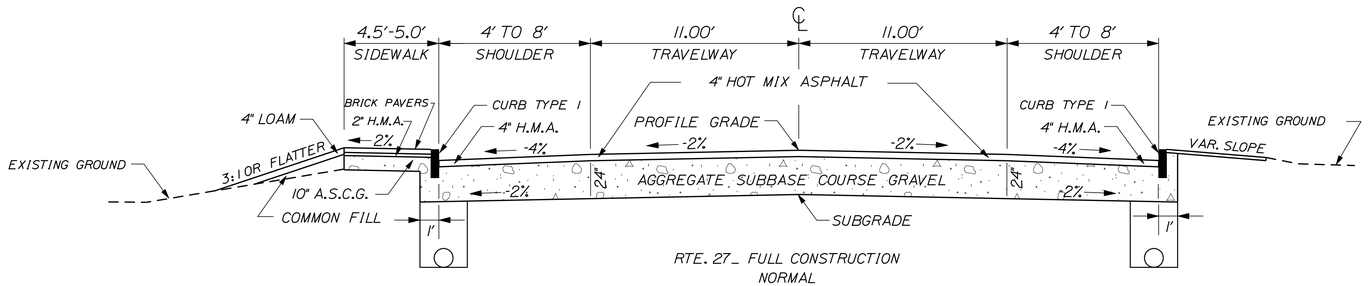
BELGRADE
ROUTE 27

TITLE SHEET

WIN 18253.00 STP-1825(300)X

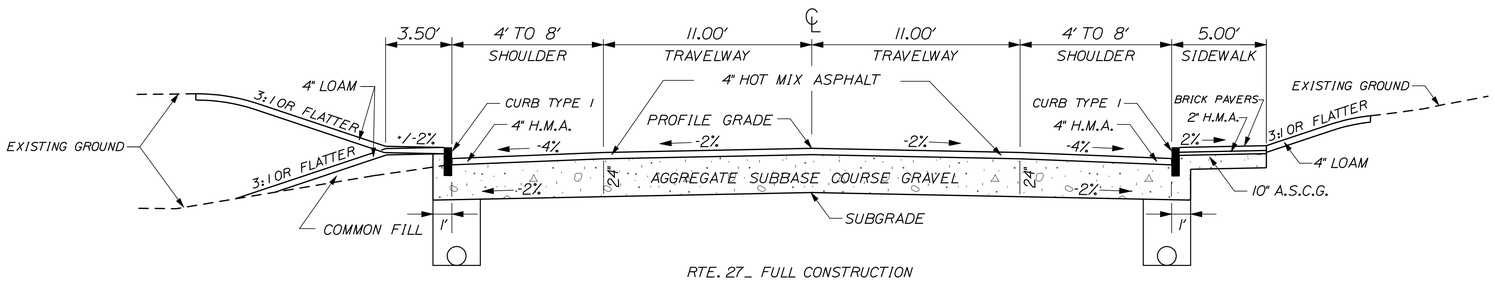
SHEET NUMBER
1
OF 64

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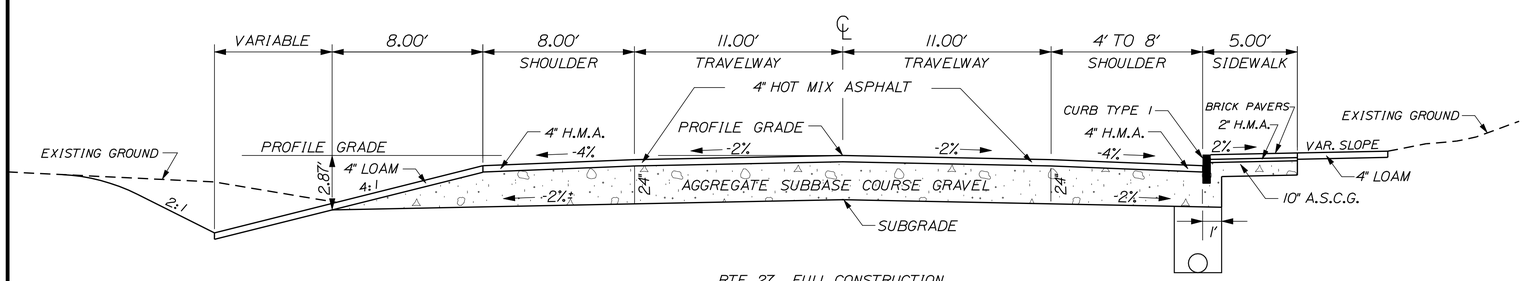
RTE. 27_ FULL CONSTRUCTION
NORMAL

AGGREGATE SUBBASE COURSE GRAVEL		
8' CURB SHLD W/5' SIDEWALK (79.37 CY/100 LF)	22' TRAVEL WAY	8' CURB SHOULDER (64.52 CY/100 LF)
STA. 274+17 TO STA. 274+72 LT.	162.96 CY/100LF	STA. 272+00 TO STA. 272+72 RT.
STA. 276+38 TO STA. 280+48 LT.		STA. 283+73 TO STA. 286+88 RT.
STA. 284+40 TO STA. 288+43 LT.		STA. 287+52 TO STA. 289+01 RT.
STA. 272+72 TO STA. 280+24 RT.		STA. 271+70 TO STA. 273+92 LT.
STA. 286+88 TO STA. 287+33 RT.		STA. 274+72 TO STA. 275+30 LT.
STA. 289+21 TO STA. 290+29 RT.		4' CURB SHOULDER (37.04 CY/100 LF)
4' CURB SHLD W/5' SIDEWALK (51.81 CY/100 LF)		STA. 282+00 TO STA. 283+51 RT.
STA. 281+03 TO STA. 283+90 LT.		STA. 290+56 TO STA. 295+55 RT.
STA. 294+22 TO STA. 295+55 LT.		8' NORMAL SHOULDER (83.78 CY/100 LF)
7' CURB SHLD W/5' SIDEWALK (72.59 CY/100 LF)		STA. 270+32 TO STA. 271+70 LT.
STA. 288+71 TO STA. 290+36 LT.		4' CURB SHLD W/5' SIDEWALK (39.15 CY/100 LF)
7' CURB SHLD W/4.5' SIDEWALK (70.70 CY/100 LF)		STA. 11+07 TO STA. 11+62 RT.
STA. 290+68 TO STA. 292+26 LT.		2' CURB OFFSET SHOULDER (17.00 CY/100 LF)
		STA. 275+30 LT TO STA. 12+00 LT.



RTE. 27_ FULL CONSTRUCTION
NORMAL

RAD. = 572.96'	SUPERELEVATION TRANSITION TABLE		
	TRAVELWAY LEFT	STATION	TRAVELWAY RIGHT
	-2.00%	274+00	-2.00%
	-1.00%	274+50	-2.00%
	0.0%	275+00	-2.00%
	1.00%	275+50	-2.00%
	2.00%	276+00	-2.00%
		FULL SUPER	
	2.00%	277+50	-2.00%
	1.00%	278+00	-2.00%
	0.00%	278+50	-2.00%
	-1.00%	279+00	-2.00%
	-2.00%	279+50	-2.00%



RTE. 27_ FULL CONSTRUCTION
NORMAL

NOTES:

1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW SIDE SHOULDER, THE LOW SIDE SHOULDER PAVEMENT SHALL HAVE THE SAME CROSS SLOPE AS THE TRAVEL WAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. EXCEPT WHERE NOTED, THE GRAVEL QUANTITY CALCULATION IS BASED ON 4" LOAM. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
5. THE ALGEBRAIC DIFFERENCE BETWEEN SHOULDER AND TRAVEL LANE CROSS SLOPE "ROLLOVER" SHALL NOT EXCEED 8%.
6. THE STATION SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
7. HMA = HOT MIX ASPHALT
   A.S.C.G. = AGGREGATE SUBBASE COURSE- GRAVEL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT I. GO...
REGISTERED PROFESSIONAL ENGINEER

	BY	DATE
SIGNATURE		
4226		
P.E. NUMBER		
1/12/2018		
DATE		
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

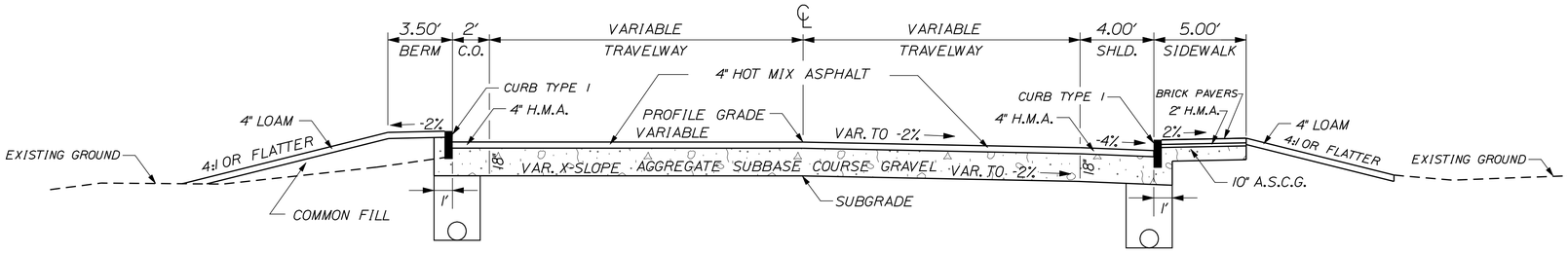
TYPICAL SECTIONS

SHEET NUMBER

2

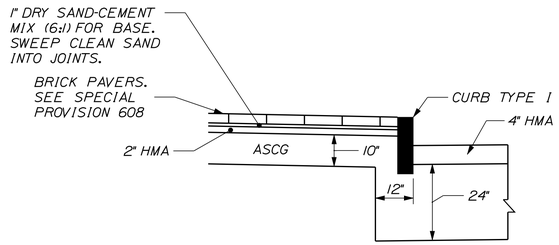
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WEST ROAD

FULL CONSTRUCTION_ NORMAL



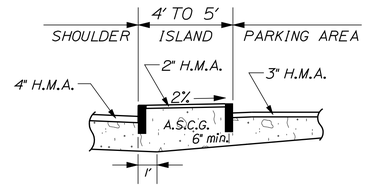
INSTALL 4" WIDE X 8.5" HIGH PIECE OF FILTER FABRIC AT BACK OF CURB AT EACH CURB JOINT. PAYMENT WILL BE INCIDENTAL TO CURB.

1/2" PREFORMED EXPANSION JOINT FILLER W/5/8" BACKER ROD AND JOINT SEALANT TYP. AT ALL WALL, STEP, SIDEWALK, AND BUILDING INTERFACES. PAYMENT WILL BE INCIDENTAL TO BRICK SIDEWALK WITH BITUMINOUS BASE, ITEM 608.15.

ALL BRICKS SHALL BE CUT WITH A PAVER SAW AND CUT-OFF WHEEL.

BRICK SIDEWALK

NOT TO SCALE



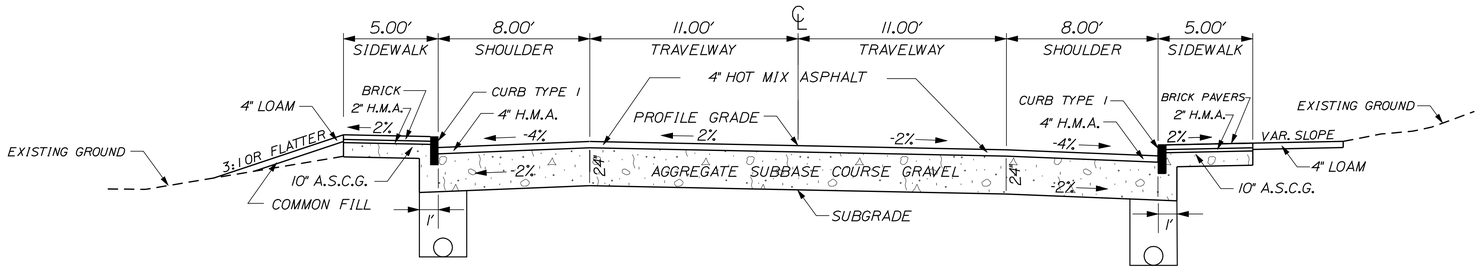
4' PAVED ISLAND

STA. 281+26 TO STA. 281+50 RT.

5' PAVED ISLAND

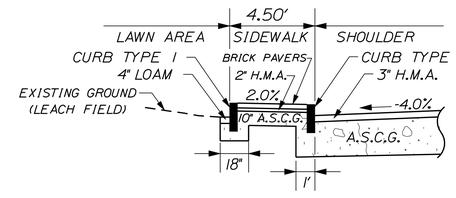
STA. 291+84 TO STA. 291+96 RT.

STA. 292+61 TO STA. 292+73 RT.



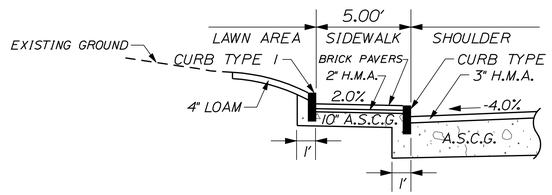
ROUTE 27

FULL CONSTRUCTION_ SUPERELEVATED



4.5' BRICK SIDEWALK W/BACK CURB

STA. 290+68 TO STA. 291+27 LT.



5' BRICK SIDEWALK W/BACK CURB

STA. 286+92 TO STA. 287+50 LT.

STA. 289+21 TO STA. 290+28 RT.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GODFREY
3/10/18
REGISTERED PROFESSIONAL ENGINEER

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	12/2017	
CHECKED-REVIEWED	ALG	12/2017	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE
4226

P.E. NUMBER
1/12/2018

DATE

BELGRADE
ROUTE 27

TYPICAL SECTIONS

SHEET NUMBER

3

OF 64

Filename: ...\highway\msto\003_Typical.dgn Division: HIGHWAY Username: morin Date:1/2/2018

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
201.23	REMOVING SINGLE TREE TOP ONLY	20	EACH
201.24	REMOVING STUMP	20	EACH
202.15	REMOVING EXISTING MANHOLE OR CATCH BASIN	16	EACH
203.20	COMMON EXCAVATION	10,200	CY
203.2312	HEALTH AND SAFETY PLAN (HASP)	1	LS
203.2333	DISPOSAL/TREATMENT OF SPECIAL EXCAVATION	75	TON
203.25	GRANULAR BORROW	50	CY
203.35	CRUSHED STONE 3/4-INCH	5	CY
206.061	STRUCT EARTH EXC-DRAIN & MINOR STRUCT-BELOW GRADE	100	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	8,600	CY
403.2081	HOT MIX ASPHALT, 12.5mm SURFACE (POLYMER MODIFIED)	870	TON
403.209	HOT MIX ASPHALT, 9.5mm (SW,DRIVES, ISLANDS & INCIDENTALS)	470	TON
403.2131	HOT MIX ASPHALT 12.5mm BASE (POLYMER MODIFIED)	1,450	TON
409.15	BITUMINOUS TACK COAT - APPLIED	400	GAL
603.159	12" CULVERT PIPE OPTION III	600	LF
603.16	15" CULVERT PIPE OPTION I	80	LF
603.169	15" CULVERT PIPE OPTION III	80	LF
603.175	18" REINFORCED CONCRETE PIPE CLASS III	210	LF
603.76	12" INLET GRATE UNIT	1	EACH
603.77	15" INLET GRATE UNIT	1	EACH
604.072	CATCH BASIN TYPE AI-C	17	EACH
604.09	CATCH BASIN TYPE BI	5	EACH
604.18	ADJUST MANHOLE OR CB TO GRADE	1	EACH
604.252	CATCH BASIN TYPE A5-C	2	EACH
604.26	CATCH BASIN TYPE B5	2	EACH
604.30	SPECIAL CATCH BASIN	9	EACH
605.09	6" UNDERDRAIN, TYPE B	1,080	LF
605.11	12" UNDERDRAIN TYPE C	1,360	LF
605.12	15" UNDERDRAIN TYPE C	1,000	LF
605.15	24" UNDERDRAIN TYPE C	940	LF
606.47	SINGLE WOOD POST	1	EACH
607.24	REMOVE AND RESET FENCE	110	LF
608.08	REINFORCED CONCRETE SIDEWALK	20	SY
608.081	REINFORCED CONCRETE DRIVEWAYS	20	SY
608.10	BRICK SIDEWALK (REMOVE AND REBUILD)	20	SY
608.11	FLAGSTONE WALK (REMOVE AND REBUILD)	30	SY
608.15	BRICK SIDEWALK WITH BITUMINOUS BASE	1,150	SY
608.26	CURB RAMP DETECTABLE WARNING FIELD	136	SF
608.261	RESET CONCRETE PAVERS	55	SY
609.11	VERTICAL CURB TYPE 1	2,880	LF
609.12	VERTICAL CURB TYPE 1 - CIRCULAR	200	LF
609.234	TERMINAL CURB TYPE 1 - 4 FOOT	37	EACH
609.2341	TERMINAL CURB TYPE 1 - 4 FOOT - CIRCULAR	7	EACH
609.238	TERMINAL CURB TYPE 1 - 8 FOOT	72	EACH
609.2381	TERMINAL CURB TYPE 1 - 8 FOOT - CIRCULAR	3	EACH
609.34	CURB TYPE 5	32	LF
610.08	PLAIN RIPRAP	40	CY
615.07	LOAM	1,520	CY
618.13	SEEDING METHOD 1	100	UNITS
619.12	MULCH	100	UNITS
616.08	SODDING	2,740	SY
620.58	EROSION CONTROL GEOTEXTILE	80	SY
621.054	EVERGREEN TR (10'- 12') GP. C	1	EACH
621.285	LG DECID TR (3"- 3.50" CAL) GP. A	6	EACH
621.286	LG DECID TR (3"- 3.50" CAL) GP. B	3	EACH
621.287	LG DECID TR (3"- 3.50" CAL) GP. C	3	EACH
622.10	TRANSPLANT SHRUB 2'- 3'	5	EACH
626.11	PRECAST CONCRETE JUNCTION BOX	8	EACH
626.21	METALLIC CONDUIT	25	LF
626.22	NON-METALLIC CONDUIT	2,700	LF
626.32	24 INCH FOUNDATION	37	EACH
626.35	CONTROLLER CABINET FOUNDATION	1	EACH
627.733	4" WHITE OR YELLOW PAINTED PVMT MARKING LINE	7,800	LF
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	1,250	SF
627.78	TEMP. 4" PAINTED PVMT. MARK LINE, WHITE OR YELLOW	10,500	LF
629.05	HAND LABOR, STRAIGHT TIME	65	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	40	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	20	HR
631.18	CHAIN SAW RENTAL (INCLUDING OPERATOR)	10	HR
631.20	STUMP CHIPPER (INCLUDING OPERATOR)	10	HR
631.32	CULVERT CLEANER (INCLUDING OPERATOR)	20	HR

634.160	HIGHWAY LIGHTING	1	LS
634.70	ORNAMENTAL LIGHTING	37	EACH
639.18	FIELD OFFICE TYPE A	1	EACH
642.15	PRECAST CONCRETE STEPS	1	EACH
645.106	DEMOUNT REG. WRNG. CONF & RTE MARKER SIGN	12	EACH
645.116	REINSTALL REG. WRNG. CONF & RTE MARKER SIGN	11	EACH
652.33	DRUM	80	EACH
652.34	CONE	80	EACH
652.35	CONSTRUCTION SIGNS	600	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	145	CD
652.38	FLAGGER	7,500	HR
656.75	TEMPORARY SOIL EROSION & WATER POLLUTION CONTROL PLAN	1	LS
658.20	ACRYLIC LATEX FINISH, GREEN	20	SY
659.10	MOBILIZATION	1	LS
801.16	6" PVC SANITARY SEWER (SDR-35)	50	LF

SUMMARY OF EARTHWORK AND BORROW

COMMON EXCAVATION FOR ESTIMATE
- COMMON EXCAVATION RTE. 27 (FROM SECTIONS) 8,933 CY
- COMMON EXCAVATION WEST RD. (FROM SECTIONS) 267 CY
- COMMON EXCAVATION DRIVES 805 CY
- COMMON EXCAVATION WALKWAYS 40 CY
- GRUBBING IN FILL 65 CY
- PAVEMENT REMOVAL OUTSIDE OF SECTIONS 67 CY

TOTAL COMMON EXCAVATION 10,177 CY

FILL FOR BORROW CALCULATIONS
- COMMON FILL RTE. 27 (FROM SECTIONS) 216 CY
- COMMON FILL WEST RD. (FROM SECTIONS) 32 CY
- GRUBBING IN FILL 65 CY

TOTAL FILL 312 CY

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS
- (1) TOTAL COMMON EXCAVATION 10,177 CY
  - DEDUCTIONS:
  - PAVEMENT IN SECTIONS 1,730 CY
  - PAVEMENT OUTSIDE OF SECTIONS 67 CY
  - GRUBBING IN CUT 194 CY
  - GRUBBING IN FILL 65 CY

(2) TOTAL DEDUCTIONS 2,056 CY
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2) 8,121 CY
TOTAL AVAILABLE STRUCT. EXC. (USUALLY UD ONLY) 1,774 CY
TOTAL AVAILABLE NON-ROCK EXCAVATION 9,895 CY

COMPUTATION FOR COMMON BORROW FOR ESTIMATE

(3) TOTAL FILL 312 CY
TOTAL AVAIL. NON-ROCK EXCAV. 9,895 x 0.90 = 8,906 CY

(4) TOTAL AVAILABLE EXCAVATION = 8,906 CY
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION -8,594 CY

IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL TO BE WASTED 10,650 CY

SURPLUS MATERIAL = 10,650 CY

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GOSTYLA — 10782 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
1/12/18
DATE

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	12/2017	DATE
CHECKED-REVIEWED	ALG	12/2017	BY
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			1
REVISIONS 2			2
REVISIONS 3			3
REVISIONS 4			4
FIELD CHANGES			

BELGRADE
ROUTE 27

ESTIMATED QUANTITIES

SHEET NUMBER
4
OF 64

Filename: ...\004_Estimate.dgn Division: HIGHWAY Username: common Date:2/6/2018

	STATION	CULVERT PIPE											CATCH BASIN						PIPE ARCH			MH	UNDERDRAIN						ELBOWS, TEES, WYES AND INLET GRATE UNITS	REMARKS
		RCP			CMP		OPTION I		OPTION III														TYPE B		TYPE C					
									SMOOTHLINED		CORRUGATED												TYPE B	OUTLET	SMOOTHLINED		CORRUGATED		DESCRIPTIONS	
		SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C	B1	A5-C	B5-C	B5	SPAN	RISE	LENGTH		LENGTH	LENGTH	SIZE	LENGTH	SIZE	LENGTH		
	STA. 270+50 LT						15"	40'																						
	STA. 274+06 LT						15"	32'																						
	STA. 277+44.50, 19.8 RT TO STA. 277+48.00, 37.5 RT								12"	18'																				
	STA. 291+25.00, 18.7 LT TO STA. 291+25.00, 24.2 LT								12"	6'																				CONNECTS 12" INLET GRATE UNIT TO CBI9.
	STA. 291+27.00, LT TO STA. 293+93.08, LT								12"	272'																				
	STA. 291+63.48, RT TO STA. 294+53.00, RT								12"	284'																				
	STA. 271+49.60, 31.6 LT TO STA. 271+74.28, 17.8 LT								15"	28'																				INSTALL 15" INLET GRATE UNIT
	STA. 11+49.42, 35.9 LT TO STA. 11+26.64, 29.4 LT								12"	9'																				
	STA. 281+03.23, 16.0 RT TO 19.0 RT								12"	3'																				
	STA. 293+92.31, 15.31 LT TO STA. 293+93.70, 16.76' LT								12"	2'																				
	STA. 295+06.12, 15.1 LT TO STA 295+45.60, 43.3 LT								15"	50'																				
	STA. 10+99.13, 23.1 RT TO STA. 11+21.17, 26.0 LT	18"	52'	III																										
	STA. 276+13.26, 23.4 LT TO STA. 276+14.90, 16.0 RT	18"	40'	III																										
	STA. 277+12.56, 23.2 LT TO STA. 277+43.12, 16.3 RT	18"	50'	III																										
	STA. 285+47.34, 15.7 LT TO STA. 285+62.11, 15.7 RT	18"	35'	III																										
	STA. 294+56.07 RT TO STA. 294+70.73 LT	18"	28'	III																										
(1)	STA. 271+76.02, 17.8' LT												1																	
(2)	STA. 272+20.00, 17.87' RT												1																	
(3)	STA. 275+50.80, 23.3 LT												1 1/4																	SPECIAL CATCH BASIN, 4' SUMP, FLAT TOP
(4)	STA. 11+57.08, 36.8 LT														1															
(5)	STA. 11+42.09, 22.2 LT												1 1/8																	SPECIAL CATCH BASIN, 4' SUMP, FLAT TOP
(5A)	STA. 11+25.00, 28.1 LT												1 1/8																	
(6)	STA. 11+09.47, 15.6 RT												1 1/4																	SPECIAL CATCH BASIN, 4' SUMP, FLAT TOP
(6A)	STA. 11+00.00, 25.63' RT															1 1/8														2' CONE
(7)	STA. 276+15.00, 17.87' RT												1 1/8																	
(8)	STA. 277+44.14, 17.87' RT												1 1/8																	
(9)	STA. 278+80.00, 17.87' LT												1																	
(10)	STA. 279+06.00, 17.87' RT												1 1/8																	
(11)	STA. 281+03.23, 13.87' RT													1 1/4																SPECIAL CATCH BASIN, 4' SUMP, FLAT TOP
(11A)	STA. 281+03.23, 19.87' RT																	1 3/8												SOLID COVER
(12)	STA. 281+05.34, 13.87' LT												1																	
(13)	STA. 285+46.50, 17.87' LT												1																	
(14)	STA. 285+63.00, 17.87' RT														1 1/8															SOLID COVER
(14A)	STA. 285+74, 17.87' RT												1 1/4																	SPECIAL CATCH BASIN, 4' SUMP, FLAT TOP
(15)	STA. 288+33.45, 17.87' LT												1																	
(16)	STA. 288+60.00, 17.87' RT												1																	
(17)	STA. 290+72.00, 13.87' RT												1																	
(18)	STA. 291+25.00, 25.1 LT																													12" INLET GRATE UNIT WITH 75° ELBOW
(19)	STA. 291+25.00, 16.87' LT												1																	
(20)	STA. 291+61.48, 13.87' RT												1																	
(21)	STA. 293+90.93, 13.87' LT													1 1/4																SPECIAL CATCH BASIN, 4' SUMP, FLAT TOP
(21A)	STA. 293+95.08, 18.2' LT														1															SOLID COVER, 2' CONE
(22)	STA. 294+71.73, 13.87' LT												1 1/8																	
(23)	STA. 294+71.73, 13.87' RT												1 1/4																	SPECIAL CATCH BASIN, 4' SUMP, FLAT TOP
(24)	STA. 295+05.00, 13.87' LT												1 1/8																	
(24A)	STA. 294+55.00, 13.87' RT														1 1/8															SOLID COVER
	STA.11+45.59, 21.4 LT TO STA. 12+00.00, 10.9 LT																						52							
	STA. 11+10.94, 15.0 RT TO STA. 11+61.50, 12.6 RT																						65							
	STA. 276+16.64, 23.3 LT TO STA. 278+78.00, 17.9 LT																						269							
	STA. 285+50.00 LT TO STA. 288+31.45 LT																						282							
	STA. 285+79.00 RT TO STA. 288+58.00 RT																						279							
	STA. 294+73.73 RT TO STA. 295+54.00 RT																						80							
	STA. 295+07.00 LT TO STA. 295+54.00 LT																						48							
	STA. 11+01.21, 23.5 RT TO STA. 11+08.43, 16.9 RT																								12"	11				
	STA. 11+28.94, 26.8 LT TO STA. 11+39.23, 23.7 LT																								12"	6				
	STA. 278+82.00 LT TO STA. 281+03.34 LT																								12"	222				
	STA. 281+07.34 LT TO STA. 285+44.53 LT																								12"	438				
	STA. 285+65.00 RT TO STA. 285+72.00 RT																								12"	7				
	STA. 288+35.45 LT TO STA. 291+23.00 LT																								12"	289				
	STA. 288+62.00 RT TO STA. 290+70.00 RT																								12"	208				
	STA. 290+74.00 RT TO STA. 291+59.48 RT																								12"	86				
	STA. 293+97.08 LT TO STA. 294+69.73 LT																								12"	74				
	STA. 294+57.00 RT TO STA. 294+69.73 RT																								12"	13				
	STA. 270+33.44 RT TO STA. 272+18.00 RT																								15"	185				
	STA. 271+78.00 LT TO STA. 275+48.89 LT																								15"	372				
	STA. 272+22.00 RT TO STA. 276+13.00 RT																								15"	391				
	STA. 10+98.52, 38.4 LT TO STA. 11+20.00, 29.0 LT																								15"	17				
	STA. 294+73.73 LT TO STA. 295+03.00 LT																								15"	30				
	STA. 276+17.00 RT TO STA. 277+42.14 RT																								24"	126				
	STA. 277+46.14 RT TO STA. 279+04.00 RT																								24"	158				
	STA. 279+08.00 RT TO STA. 281+01.23 RT																								24"	194				
	STA. 281+05.23 RT TO STA. 285+61.00 RT																								24"	456				

NOTE: ALL PROPOSED OPTION III CULVERT PIPE AND TYPE C UNDERDRAIN SHALL BE SMOOTHLINED ONLY.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GOSPER — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	12/2017	
CHECKED-REVIEWED	ALG	12/2017	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

DRAINAGE SHEET

SHEET NUMBER

5

OF 64

Filename: ...\005_Drainage.dgn Division: HIGHWAY Username: common Date:1/9/2018

GENERAL NOTES

1. A TEMPORARY RAMP SHALL BE CONSTRUCTED WITH HMA AT THE ENDS OF THE ROADWAY SECTION PAVED OR MILLED EACH DAY. THE USES OF MILLINGS OR RAP WILL NOT BE ALLOWED, BUT COLD PATCH MAY BE TEMPORARILY UTILIZED UNTIL HMA PLANTS ARE OPEN FOR THE SEASON. TEMPORARY RAMPS SHALL BE CONSTRUCTED AT A LENGTH OF FOUR FEET PER INCH OF TRANSITION DEPTH. MATERIALS, PLACEMENT, MAINTENANCE, AND REMOVAL SHALL BE INCIDENTAL TO CONTRACT ITEMS.

2. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.

3. STUMPS HAVE BEEN ESTIMATED TO BE REMOVED UNDER ITEM 201.24 REMOVE STUMP. HOWEVER, WHERE DIRECTED BY THE RESIDENT, ITEM 631.20 STUMP CHIPPER (INCLUDING OPERATOR) MAY BE USED TO REMOVE STUMPS.

4. GRUBBING IN FILL AREAS HAS BEEN SHOWN ON THE CROSS SECTIONS AND THE QUANTITIES NOTED. THESE LIMITS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT.

5. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.

6. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE NON-GUARDRAIL FILL SLOPES UNLESS OTHERWISE NOTED ON THE PLANS.

7. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN ACCEPTABLE WASTE AREAS REVIEWED BY THE RESIDENT. GRADING, SEEDING AND MULCHING OF WASTE AREAS SHALL BE CONSIDERED INCIDENTAL.

8. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.

9. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19 AND WILL PAID FOR AS GRANULAR BORROW.

10. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATION 703.19.

11. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 2" HOT MIX ASPHALT AND 12" AGGREGATE SUBBASE COURSE GRAVEL.

12. COMMERCIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH: 3" HOT MIX ASPHALT AND 11" AGGREGATE SUBBASE COURSE GRAVEL.

13. GRAVEL ENTRANCES SHALL BE CONSTRUCTED WITH 14" AGGREGATE SUBBASE COURSE GRAVEL OR 11" AGGREGATE SUBBASE COURSE GRAVEL AND 3" UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

14. CRUSHED STONE ENTRANCES SHALL BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE GRAVEL AND 2" CRUSHED STONE SURFACE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

15. A 3" PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

16. ALL PAVED WALKS TO BE CONSTRUCTED WITH 12" AGGREGATE SUBBASE COURSE-GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

17. PRIOR TO SURFACE PAVING, EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER ITEM 631.32 CULVERT CLEANER (INCLUDING OPERATOR).

18. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

19. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

20. THE OPTION III CULVERT AND TYPE C UNDERDRAIN SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES. CORRUGATED OPTION III CULVERTS AND TYPE C UNDERDRAIN SHALL NOT BE USED ON THIS PROJECT.

21. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED EXCEPT AS NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

22. PLASTIC END CAPS SHALL BE USED ON ALL DEAD-END 6-INCH TYPE B UNDERDRAIN AND SHALL BE CONSIDERED INCIDENTAL.

23. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 604.

24. ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO ALLOW FOR PROPOSED PIPE CONNECTIONS WILL NOT BE PAID FOR SEPARATELY AND WILL BE CONSIDERED INCIDENTAL TO ITEM 603 OR 605.

25. ALL CATCH BASINS TYPE A PLACED ON CIRCULAR CURB TYPE I SHALL HAVE THE CURB INLET CUT THE SAME RADIUS AS ADJACENT CIRCULAR CURB. PAYMENT SHALL BE INCIDENTAL TO ITEM 604.

26. UNLESS OTHERWISE NOTED SODDING SHALL BE UTILIZED ON ALL DISTURBED SLOPES AND LAWN AREAS.

27. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN LAWN AREAS AND 2 INCHES IN ALL OTHER AREAS UNLESS OTHERWISE NOTED OR DIRECTED.

28. ACRYLIC LATEX COLOR FINISH GREEN (ITEM 658.20) SHALL BE PLACED ON ALL PAVED ISLANDS.

29. ANY BASE PAVEMENT NOT SURFACED BEFORE WINTER WILL REQUIRE TEMPORARY PAVEMENT MARKINGS OF PAINT, BOTH YELLOW CENTERLINE AND WHITE EDGE LINES AND WILL BE CONSIDERED PART OF ITEM 627.78.

30. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE. PAYMENT FOR THIS WORK WILL BE MADE UNDER THE APPROPRIATE RENTAL ITEMS.

31. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.

32. A COPY OF THE GEOTECHNICAL REPORT FOR THIS PROJECT IS AVAILABLE UPON REQUEST.

33. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION, DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.

34. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.

35. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT AND LAYOUT OF WORK BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

36. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.

37. FINAL STRIPING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.

38. THE CONTRACTOR WILL PLACE APPROPRIATELY MARKED STAKES AT THE FOLLOWING LOCATIONS ON THE PROJECT: STRIPING PATTERN CHANGES, CROSS-SLOPE CHANGES, AND EVERY 500' FOR STATIONING. THE CONTRACTOR WILL PAINT EVERY FULL STATION (100') ON THE EXISTING ROADWAY AND WILL TRANSFER THE PAINTED STATIONING THROUGH ALL INTERMEDIATE LIFTS (NOT SURFACE). APPROPRIATELY SIZED STRIPING PATTERN CHANGES WILL BE PAINTED ON SURFACE. STATIONING CONTROL MUST BE PLACED BEFORE WORK CAN COMMENCE. CROSS-SLOPE AND STRIPING CHANGE CONTROLS MUST BE PLACED BEFORE PAVING CAN COMMENCE.

39. THE INSPECTION STANDPIPE FOR CELLAR DRAIN CONNECTIONS, END CAPS, CONCRETE, REBAR, STANDPIPE FITTINGS, AND CONNECTION OF THE STANDPIPE TO THE EXISTING CELLAR DRAIN AND NEW OUTLET PIPE WILL BE INCIDENTAL TO ITEM 801.16.

40. DEMOUNTING OF WOOD AND U-CHANNEL POSTS UNDER ITEM 645.106 WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE COST OF DEMOUNTING OF THE ASSOCIATED SIGNS. POSTS THAT ARE DAMAGED BY THE CONTRACTOR AND THAT ARE DESIGNATED TO BE REINSTALLED SHALL BE REPLACED BY THE CONTRACTOR WITH NEW POSTS CONFORMING TO THE APPLICABLE SPECIFICATIONS AT NO ADDITIONAL COST TO THE STATE.

41. REINSTALLING OR REPLACING WOOD AND U-CHANNEL POSTS FOR ITEM 645.116 WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE COST OF REINSTALLING THE ASSOCIATED SIGNS.

42. A MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) ENVIRONMENTAL OFFICE INVESTIGATION SPECIFIC TO THIS PROJECT ENCOUNTERED DATA SUGGESTING PETROLEUM RELATED CONTAMINATION MAY BE PRESENT WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL EMPLOY APPROPRIATE HEALTH AND SAFETY MEASURES TO PROTECT ITS WORKERS AGAINST HAZARDS ASSOCIATED WITH WORKING NEAR PETROLEUM-IMPACTED SOILS. FURTHERMORE, THE CONTRACTOR SHALL REMAIN ALERT FOR ANY ADDITIONAL EVIDENCE OF CONTAMINATION. IF THE CONTRACTOR ENCOUNTERS EVIDENCE OF SOIL OR GROUNDWATER CONTAMINATION, THE CONTRACTOR SHALL SECURE THE EXCAVATION, STOP WORK IN THE CONTAMINATED AREA, AND IMMEDIATELY NOTIFY THE RESIDENT. THE RESIDENT SHALL CONTACT THE HYDROGEOLOGIST IN MAINEDOT'S ENVIRONMENTAL OFFICE AT 207-624-3100 AND THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION AT 800-482-0777. WORK MAY ONLY CONTINUE WITH AUTHORIZATION FROM THE RESIDENT.

43. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THIS PLAN SET IS FOR THE USE OF THE BIDDERS AND THE CONTRACTOR. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS AT THE CONSTRUCTION SITE. MAINEDOT SHALL NOT BE RESPONSIBLE FOR THE BIDDER'S OR CONTRACTOR'S INTERPRETATIONS OF OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS CONTAINED IN THE SOILS REPORT PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

44. PAVEMENT SALVAGED FROM THE PROJECT SHALL BE DELIVERED BY THE CONTRACTOR AND UNLOADED AT THE MAINEDOT BELGRADE MAINTENANCE LOT AT 96 CEMETERY ROAD IN BELGRADE. PAYMENT FOR LOADING, DELIVERY, AND UNLOADING OF THE MATERIAL WILL BE INCIDENTAL TO THE CONTRACT.

45. KNOWN SEPTIC SYSTEM LEACH FIELDS HAVE BEEN SHOWN ON THE PLANS AND CROSS-SECTIONS. IF EVIDENCE OF OTHER LEACH FIELDS IS DISCOVERED DURING EXCAVATION, UNDERDRAIN TRENCH SIDES AND BOTTOM IN THE VICINITY OF THE LEACH FIELD SHALL BE WRAPPED WITH 40 MIL OR THICKER HDPE OR LLDPE GEOMEMBRANE. PAYMENT WILL BE INCIDENTAL TO UNDERDRAIN.

46. ANY DISTURBANCE OF SEPTIC SYSTEM DISTRIBUTION PIPE OR SAND BEDDING SHALL BE REPAIRED IMMEDIATELY WITH MATERIALS EQUIVALENT TO THOSE DISTURBED. PAYMENT WILL BE INCIDENTAL TO SECTION 203 PAY ITEMS.

47. PLACEMENT OF SOD OR LOAM AND SEEDING WILL BE AT THE DISCRETION OF THE RESIDENT.

Filename: ...\006_GeneralNotes.dgn Division: HIGHWAY Username: common Date:2/6/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GRIFFIN — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER 1/12/18

DATE

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	MSM	12/2017
CHECKED-REVIEWED	ALG	ALG	12/2017
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

GENERAL NOTES

SHEET NUMBER

6

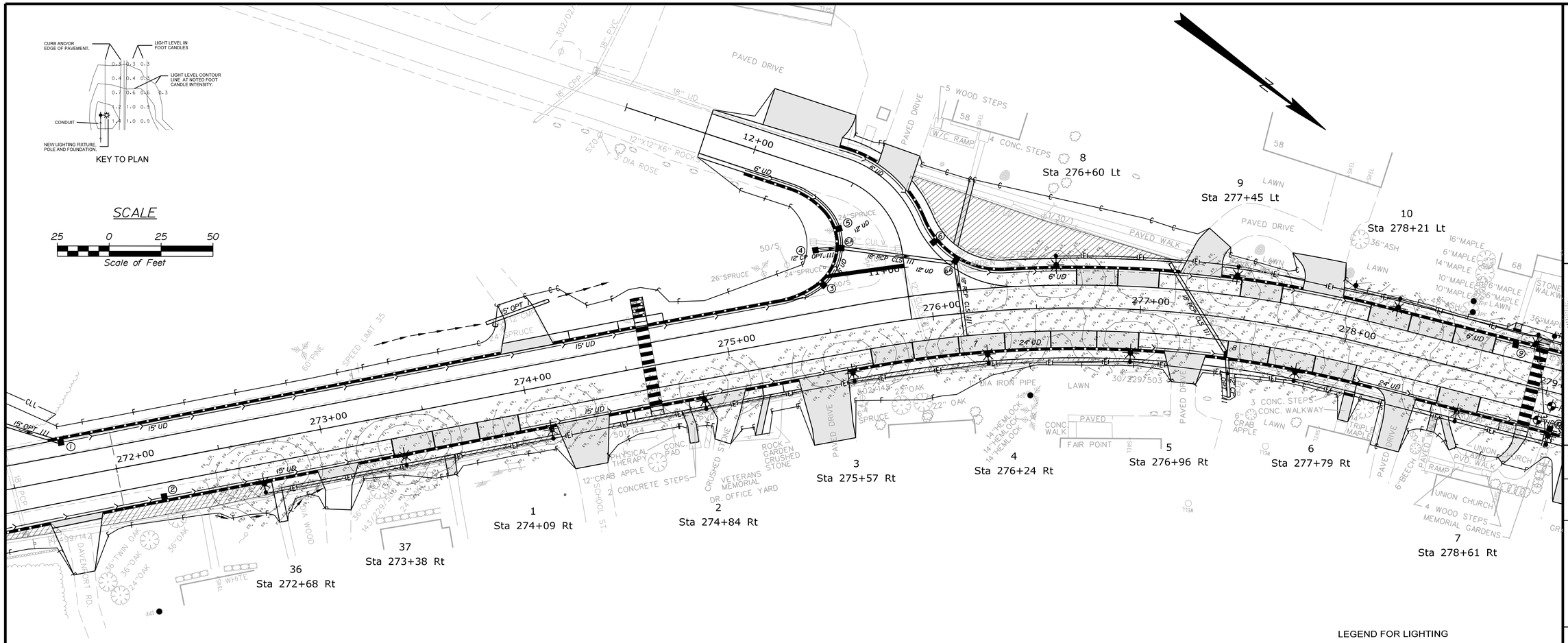
OF 64

KEY TO PLAN

SCALE

25 0 25 50

Scale of Feet



LEGEND FOR LIGHTING

- LIGHTING CONDUIT
- PULL BOX
- LIGHT FIXTURE AND POLE
- CONTROL CABINET AND SERVICE

GENERAL NOTES - HIGHWAY LIGHTING

1. SCOPE OF WORK - INSTALL LIGHTING AS SHOWN ON THIS PLAN. INSTALL POWER SERVICE, CONTROL CABINETS, CONDUIT, WIRING, FOUNDATIONS, POLES, L.E.D. LUMINAIRES AND RELATED HARDWARE.
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO APPLICABLE PROVISIONS OF THE MAINE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND STANDARD DETAILS, NATIONAL ELECTRICAL CODE AND ANY REQUIREMENTS OF THE POWER COMPANY.
3. THE CONTRACTOR SHALL FIELD VERIFY POLE LOCATIONS TO AVOID NATURAL AND BUILT SITE FEATURES THAT WOULD CONFLICT WITH PROPER INSTALLATION OF POLE FOUNDATIONS.
4. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING TO ENSURE AWARENESS OF SITE CONDITIONS THAT COULD AFFECT THE BID.
5. ALL LIGHTING CIRCUITS ARE TO BE PHOTOCELL ACTIVATED BY A PHOTOCELL MOUNTED ON THE CONTROL CABINET. THE CABINET ALSO SHALL INCLUDE A PROGRAMMABLE TIMER MECHANISM TO ALLOW FOR MANUAL SETTING OF LIGHTING ON-OFF TIMING. A SWITCH SHALL BE INSTALLED TO ALLOW FOR MANUALLY CHANGING FROM PHOTOCELL CONTROL TO PROGRAMMED TIMED CONTROL.
6. LIGHTING FIXTURE VOLTAGE SHALL BE 240 VOLTS.
7. LIGHTING FIXTURES SHALL BE IES CUTOFF, LIGHT EMITTING DIODE (LED) FIXTURES, IES ASYMMETRIC DISTRIBUTION. LED MODULES SHALL BE IP66 RATED. FIXTURES SHALL BE INSTALLED WITH 120-DEGREE HOUSE SIDE SHIELDS, EXCEPT THOSE NOTED ON THE PLANS TO HAVE A 180-DEGREE HOUSE SIDE SHIELD OR NO SHIELD.
8. ALL FIXTURES SHALL BE GASKETED, HAVE SURGE PROTECTION AND A DOUBLE FUSE KIT. THE LIGHTING LAYOUT WAS DONE USING HOLOPHANE ESPLANADE PEDESTRIAN LED LUMINAIRES, CATALOG NUMBER: ESPL2 P20 40K AS S B 7 DS WLDF13 200 BK. LED COLOR TEMPERATURE FOR FIXTURES INSTALLED SHALL BE 4000K.
9. CONDUIT SHALL BE 2" MINIMUM DIAMETER. BURIED CONDUIT NOT UNDER PAVEMENT SHALL BE PVC SCHEDULE 40. BURIED CONDUIT UNDER PAVEMENT SHALL BE PVC SCHEDULE 80. CONDUIT FROM THE ELECTRICAL SERVICE TO THE CONTROL CABINET SHALL BE EITHER PVC CONDUIT ENCASED IN CONCRETE OR STEEL CONDUIT. IF PVC CONDUIT ENCASED IN CONCRETE IS USED, CONCRETE SHALL BE 3000 PSI MINIMUM STRENGTH AND A MINIMUM THICKNESS OF FOUR INCHES SURROUNDING THE CONDUIT. CONCRETE ENCASEMENT WILL BE INCIDENTAL TO PAYMENT FOR CONDUIT. MINIMUM BURIAL DEPTH FOR ALL CONDUIT SHALL BE 36".
10. THERE SHALL BE NO SPLICES OR JUNCTION BOXES BETWEEN POLES. THE WIRE IN CONDUITS SHALL BE CONTINUOUS BETWEEN POLES.
11. BUSHINGS SHALL BE INSTALLED ON ALL CONDUIT TERMINATIONS.
12. PULL WIRE SHALL BE INSTALLED IN ALL CONDUIT.
13. ESTIMATED QUANTITIES INCLUDE AN ALLOWANCE FOR INSTALLATION OF ITEM 626.11, PRECAST CONCRETE JUNCTION BOX, AT UNDETERMINED LOCATIONS. JUNCTION BOXES ARE INTENDED TO BE USED ONLY AS PULL BOXES. ACTUAL NUMBER AND LOCATIONS SHALL BE SUBJECT TO APPROVAL OF THE RESIDENT PRIOR TO INSTALLATION.
14. UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL FURNISH TO MAINEDOT A SET OF AS-BUILT PLANS FOR FUTURE REFERENCE AND SYSTEM MAINTENANCE.
15. IF STRUCTURAL ROCK IS ENCOUNTERED DURING INSTALLATION OF FOUNDATIONS, PAYMENT FOR EXCAVATION AND DOWELING REINFORCING INTO ROCK SHALL BE CONSIDERED INCIDENTAL TO FOUNDATION ITEMS.
16. PAYMENT UNDER ITEM 634.160, HIGHWAY LIGHTING WILL INCLUDE ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PROVIDE A FULLY FUNCTIONING HIGHWAY LIGHTING SYSTEM, EXCEPT THOSE ITEMS TO BE PAID UNDER OTHER RELATED BID ITEMS IN THE CONTRACT.
17. ALL LIGHT BASES SHALL HAVE A GROUND ROD LOCATED IN THE FOUNDATION THAT IS BONDED TO THE GROUNDING CONDUCTOR. PAYMENT FOR THE GROUND ROD SHALL BE INCLUDED IN ITEM 634.160, HIGHWAY LIGHTING.
18. PAYMENT FOR EACH INSTALLATION UNDER ITEM 634.70 ORNAMENTAL LIGHTING WILL INCLUDE, BUT NOT BE LIMITED TO, POLES, DECORATIVE TRANSFORMER BASES, DECORATIVE ARM FITTERS, DECORATIVE ARMS, ORNAMENTAL LUMINAIRES AND HOUSING, AND POLE ACCESSORIES SPECIFIED ON THE PLANS AND IN THE SPECIAL PROVISIONS.
19. NON-CONDUCTIVE BUSHINGS SHALL BE USED FOR CONNECTION OF RIGID METAL CONDUIT TO ALUMINUM CABINETS.
20. INSTALL SERVICE AND TWO CIRCUIT CONTROL CABINET AS SHOWN AT STATION 283+30+ LT. LUMINAIRES SOUTH OF THE SERVICE WILL BE ON ONE CIRCUIT AND THOSE NORTH OF THE SERVICE WILL BE ON THE OTHER. THE CONTRACTOR ALSO SHALL INSTALL A METER DISCONNECT IN A SEPARATE NEMA 3R CABINET. CABINETS SHALL BE LOCKABLE. EACH SERVICE CABINET SHALL BE MARKED WITH ARC HAZARD TYPE 1, 2, 3 OR 4 AND THE APPROPRIATE PPE REQUIRED. THE CABINETS SHALL BE POWDER COATED BLACK IN COLOR TO MATCH THE POLES.
21. SECONDARY CIRCUIT WIRING SHALL BE #12 XHHW-2 STRANDED COPPER.
22. ALL SITELINK POLES FOR ORNAMENTAL LIGHTING SHALL INCLUDE A FLAGPOLE HOLDER AND WEATHERPROOF ELECTRIC RECEPTACLE. SEE DETAIL ON SHEET 9 OF 64 FOR CATALOG NUMBERS.

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Sta 272+40 to Sta 273+75	+	0.6 fc	1.8 fc	0.2 fc	9.0:1	3.0:1
Sta 273+75 to Sta 279+25	+	0.7 fc	2.0 fc	0.2 fc	10.0:1	3.5:1
Sta 279+50 to Sta 292+25 Sidewalk	+	0.8 fc	2.1 fc	0.2 fc	10.5:1	4.0:1
Sta 294+00 to Sta 295+25 Sidewalk	+	0.8 fc	1.5 fc	0.2 fc	7.5:1	4.0:1

LUMINAIRE SCHEDULE

Symbol	Label	Qty	Catalog Number	Description	Lamp	File	Lumens	LLF	Watts
✳	A	37	ESPL2 P20 40K XX X 7 DS	Pedestrian Teardrop LED	2 COBS 38 W LEDS	ESPL2_P20_40K_XX_X_7_DS.ies	Absolute	0.85	38.8

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE ALBERT L. GOSSELIN JR. 12706 REGISTERED PROFESSIONAL ENGINEER

P.E. NUMBER 1/12/2018 DATE

SIGNATURE 4226

PROJ. MANAGER	ERNE MARTIN	DATE	BY
DESIGN-DETAILED	ALG	12/2017	RAL
CHECKED-REVIEWED	ALG	12/2017	ALG
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

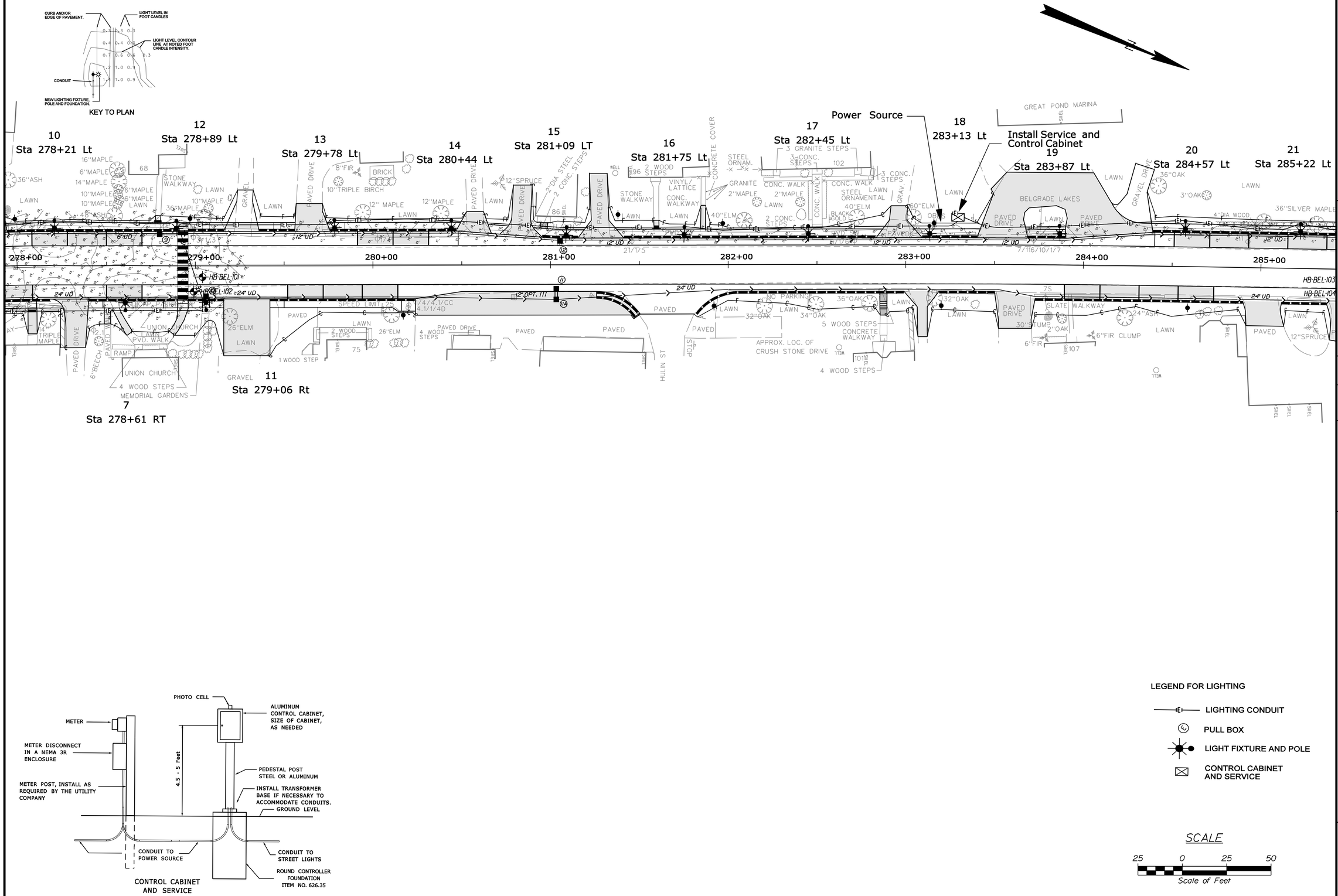
BELGRADE
Route 27

LIGHTING PLAN

SHEET NUMBER 7

OF 64

Filename: ...\007_LightingPlanSht1.dgn Division: HIGHWAY Username: common Date:1/9/2018



LEGEND FOR LIGHTING

- LIGHTING CONDUIT
- PULL BOX
- LIGHT FIXTURE AND POLE
- CONTROL CABINET AND SERVICE

SCALE

25 0 25 50

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

ALBERT I. GODFREY
STATE OF MAINE
PROFESSIONAL ENGINEER

SIGNATURE

4226
P.E. NUMBER

1/12/2018
DATE

	DATE	BY
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	12/2017	RAL
CHECKED-REVIEWED	12/2017	ALG
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
Route 27

LIGHTING PLAN

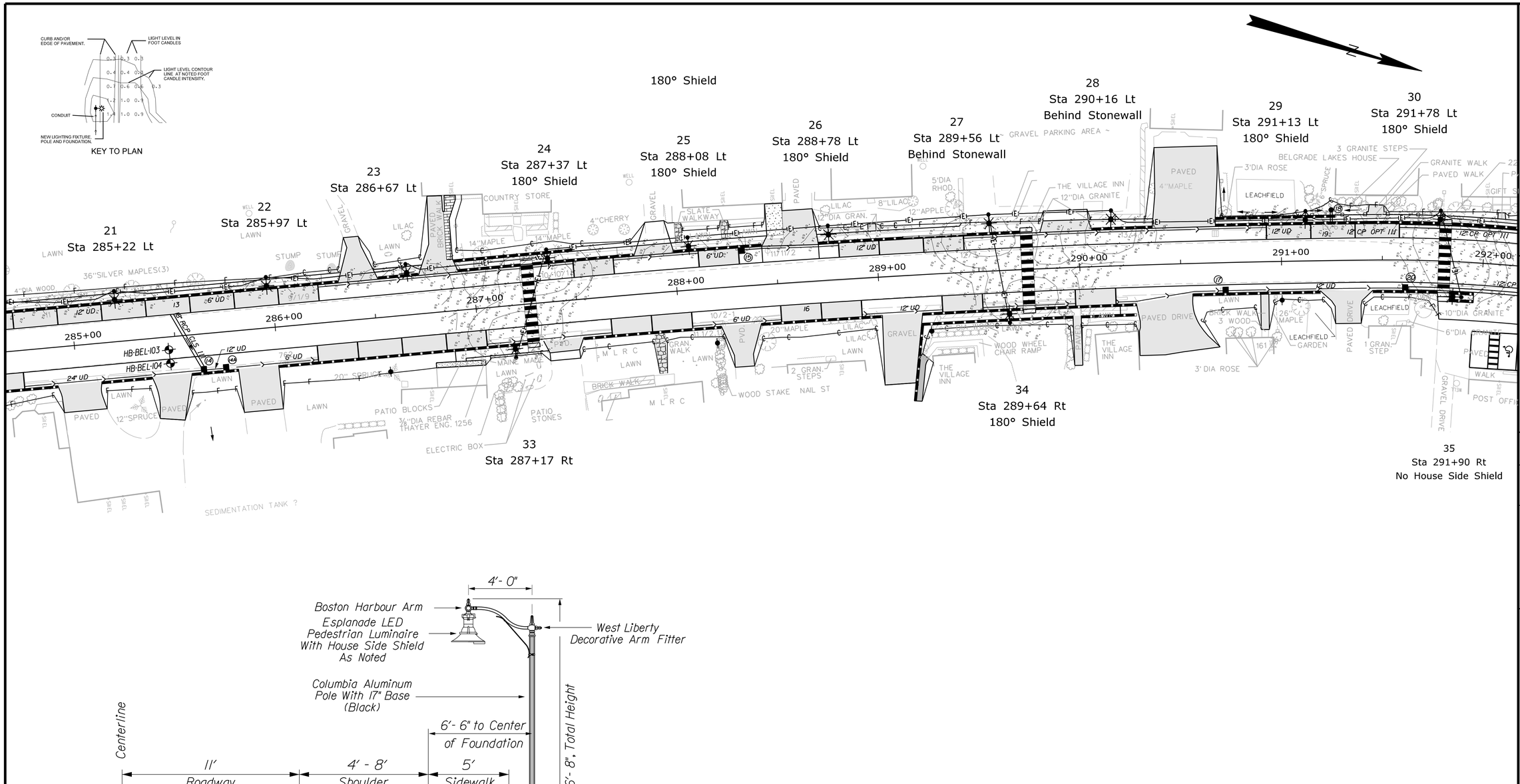
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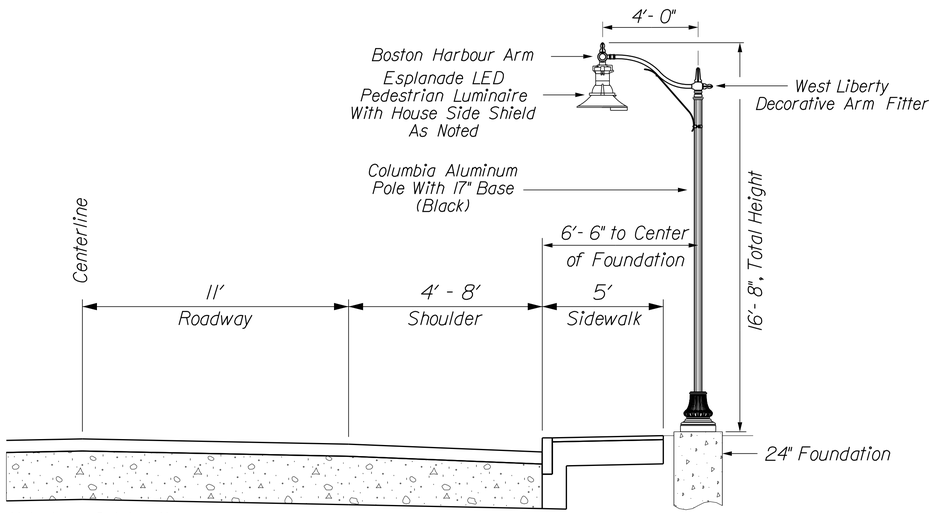
8

OF 64

Filename: ...\mst0\008_LightingPlanSht12.dgn Division: HIGHWAY Username: morin Date:1/2/2018

KEY TO PLAN





Holophane Catolog No.
ESPL2 P20 40K AS S B 7 DS WLDFI3 200 BK
BHC 48/1 CA BKH
CLA 14 L5J 17 (Sitelink Base) P08 ABG BK
FPH 5TI3BK (FLAGPOLE HOLDER)
FGIUL_L BK (WEATHERPROOF ELECTRIC RECEPTACLE)

Typical Installation of Light Poles
(Not to Scale)

LEGEND FOR LIGHTING

- LIGHTING CONDUIT
- PULL BOX
- LIGHT FIXTURE AND POLE
- CONTROL CABINET AND SERVICE

SCALE

25 0 25 50
Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GOSSELIN — 10788 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
1/12/2018
DATE

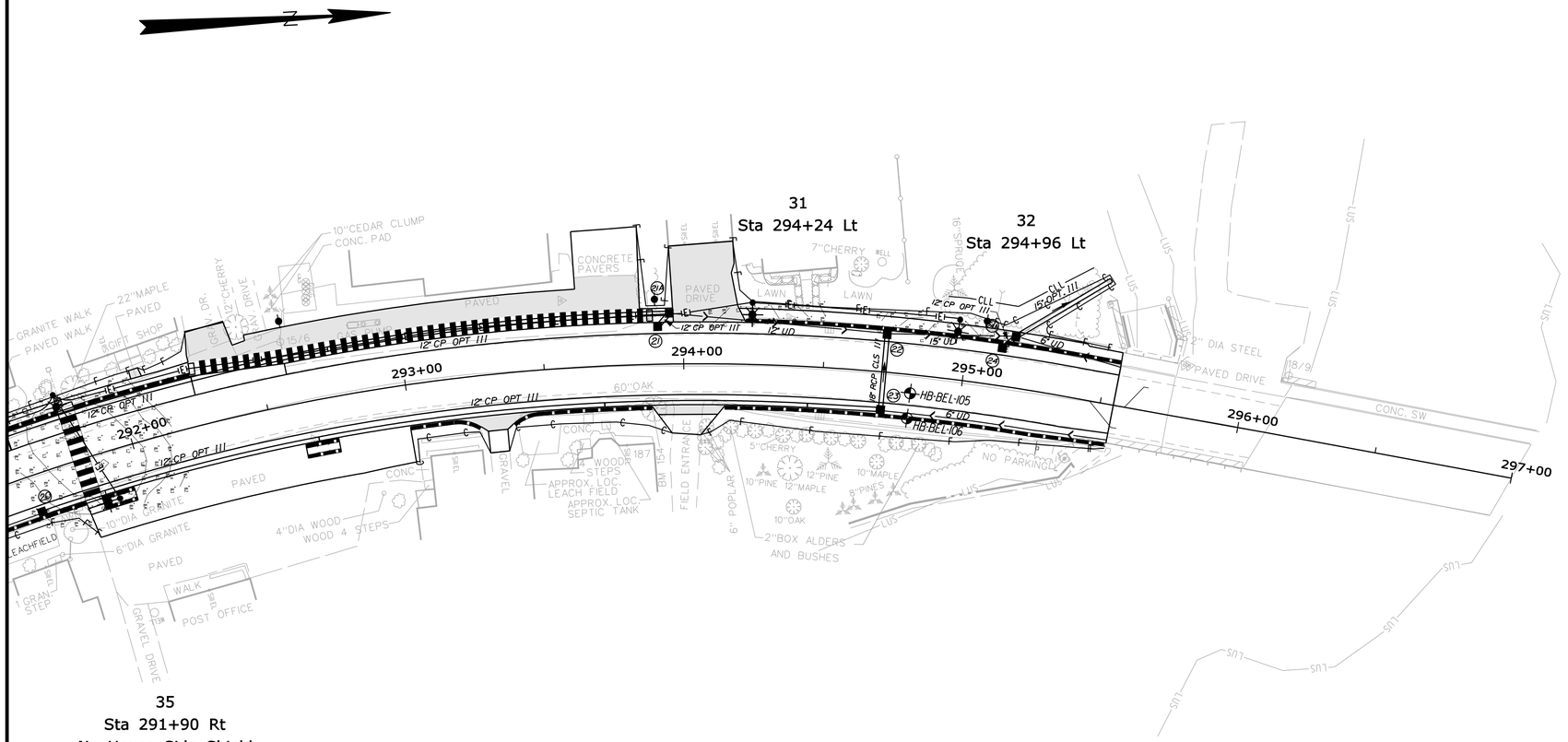
	BY	DATE
PROJ. MANAGER ERNIE MARTIN		
DESIGN-DETAILED	RAL	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

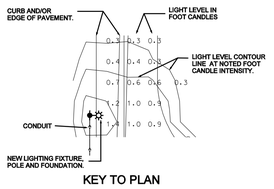
BELGRADE
Route 27

LIGHTING PLAN

SHEET NUMBER
9
OF 64

Filename: ...\009_LightingPlanSht3.dgn Division: HIGHWAY Username: common Date:1/9/2018





KEY TO PLAN

LEGEND FOR LIGHTING

- LIGHTING CONDUIT
- PULL BOX
- LIGHT FIXTURE AND POLE
- CONTROL CABINET AND SERVICE

SCALE

25 0 25 50

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT I. GOSTYLA
3/31/2018
PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
1/12/2018
DATE

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	ALG	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
Route 27

LIGHTING PLAN

SHEET NUMBER
10
OF 64

Filename: ...\MSTA\010_LightingPlanSht4.dgn Division: HIGHWAY Username: morin Date:1/2/2018

PLAIN RIPRAP DITCH			
STATION TO STATION		SIDE	VOLUME
271+00	TO 271+50	LT	15.7 CY

REMOVE SINGLE TREES AND STUMPS				
STATION	OFFSET	SIDE	DESCRIPTION	STUMP
273+95.06	33.2	LT	24" SPRUCE	24"
275+57.69	35.6	LT	24" SPRUCE	24"
275+61.07	48.4	LT	24" SPRUCE	24"

CLEARING (INCIDENTAL TO CONTRACT)			
STATION TO STATION		SIDE	AREA
271+17	TO 271+73	LT	765 SF
294+90	TO 295+44	LT	477 SF

CURB RAMP DETECTABLE WARNING FIELD	
LOCATION	AREA
STA. 274+61.04 LT	12 SF
STA. 274+61.17 RT	12 SF

CURVE DATA #1
PC = STA. 11+07.50
PT = STA. 11+56.55
PI = STA. 11+34.92
D =130°13'03.7"
Δ = 63°52'04.1" Lt.
R = 44.00'
L = 49.05'
T = 27.42'
E = 7.85'

STA. 274+60.9, 24' TO 32.5' LT. CONSTRUCT 6' WIDE STEPS (3) WITH GRANITE CURB AND CRUSHED STONE (6" DEPTH). PAYMENT FOR GRANITE CURB WILL BE MADE UNDER ITEM 609.11 VERTICAL CURB TYPE I. PAYMENT FOR CRUSHED STONE WILL BE MADE UNDER ITEM 203.35.

STA. 276+00 LT. TO STA. 277+20 LT. REMOVE EXISTING PAVEMENT. PAYMENT FOR REMOVAL OF PAVEMENT WILL BE MADE UNDER ITEM 203.20_COMMON EXCAVATION.

STA. 270+32
LIMIT OF WORK
MATCH EXISTING SECTION

STA. 271+25
BEGIN PROJECT STP-1825(300)X

STA. 12+25 LIMIT OF WORK

T & A PROPERTIES

LYNN MATSON
PHYLLIS MATSON

LEANNE RUTHERFORD
SANDRA D. RUTHERFORD
TRUSTEE OF THE SANDRA D. RUTHERFORD TRUST
JOHN CURTIS RUTHERFORD
SUZANNE LEWIS RUTHERFORD
TRUSTEES OF THE
RUTHERFORD 2010 TRUST

ELIZABETH FONTAINE
WILFRED FONTAINE

STA. 272+40 TO STA. 272+97 RT
GRADE AT TOE OF SLOPE TO DRAIN.

ROMAN CATHOLIC BISHOP OF PORTLAND

STA. 270+61 RT. TO STA. 278+00 RT.
REMOVE EXISTING PAVEMENT. PAYMENT FOR REMOVAL OF PAVEMENT WILL BE MADE UNDER ITEM 203.20_COMMON EXCAVATION.

A.K.J. ASSOCIATES

JANET EDELSTEIN

MARY A. MILLER

BARRY A. SCHOFIELD

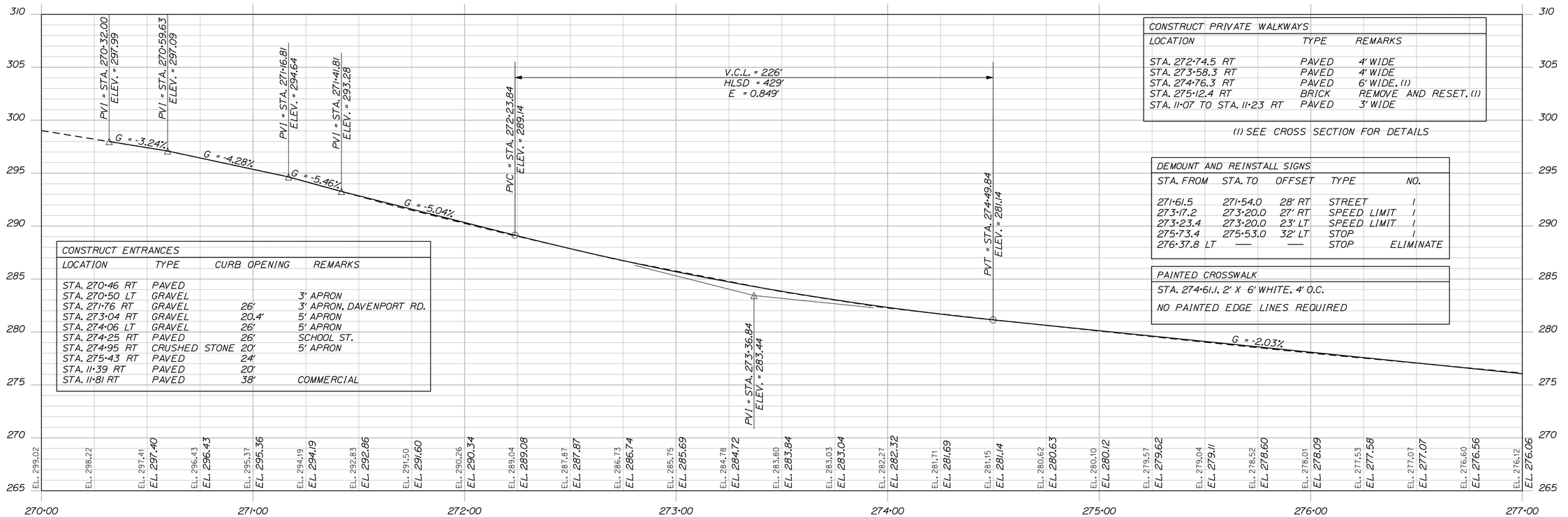
NORTHERN NEW ENGLAND TELEPHONE OPERATIONS LLC

CURVE DATA #2
PI = 276+90.78
D = 9°59'59.9"
Δ = 24°49'26.4" Rt.
R = 572.96'
L = 248.24'
T = 126.10'
E = 13.71'

PI = STA. 274+54.42
Δ= 0°30'53.8" Rt.

PC = STA. 275+64.68

EARTHWORK MATCH LINE
STA. 10+74.93 WEST RD. =
STA. 275+89.56 RTE. 27



CONSTRUCT ENTRANCES			
LOCATION	TYPE	CURB OPENING	REMARKS
STA. 270+46 RT	PAVED		
STA. 270+50 LT	GRAVEL		3' APRON
STA. 271+76 RT	GRAVEL	26'	3' APRON, DAVENPORT RD.
STA. 273+04 RT	GRAVEL	20.4'	5' APRON
STA. 274+06 LT	GRAVEL	26'	5' APRON
STA. 274+25 RT	PAVED	26'	SCHOOL ST.
STA. 274+95 RT	CRUSHED STONE	20'	5' APRON
STA. 275+43 RT	PAVED	24'	
STA. 11+39 RT	PAVED	20'	
STA. 11+81 RT	PAVED	38'	COMMERCIAL

CONSTRUCT PRIVATE WALKWAYS		
LOCATION	TYPE	REMARKS
STA. 272+74.5 RT	PAVED	4' WIDE
STA. 273+58.3 RT	PAVED	4' WIDE
STA. 274+76.3 RT	PAVED	6' WIDE, (1)
STA. 275+12.4 RT	BRICK	REMOVE AND RESET, (1)
STA. 11+07 TO STA. 11+23 RT	PAVED	3' WIDE

(1) SEE CROSS SECTION FOR DETAILS

DEMOUNT AND REINSTALL SIGNS				
STA. FROM	STA. TO	OFFSET	TYPE	NO.
271+61.5	271+54.0	28' RT	STREET	1
273+17.2	273+20.0	27' RT	SPEED LIMIT	1
273+23.4	273+20.0	23' LT	SPEED LIMIT	1
275+73.4	275+53.0	32' LT	STOP	1
276+37.8 LT	——	——	STOP	ELIMINATE

PAINTED CROSSWALK
STA. 274+61.1, 2' X 6' WHITE, 4' O.C.
NO PAINTED EDGE LINES REQUIRED

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

ALBERT L. GODSOE JR. 12827 STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER

1/12/2018 DATE

DATE	BY
12/2017	MSM
12/2017	ALG

PROJ. MANAGER	ERNIE MARTIN
DESIGN-DETAILED	MSM
CHECKED-REVIEWED	ALG
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	
REVISIONS 1	1
REVISIONS 2	2
REVISIONS 3	3
REVISIONS 4	4
FIELD CHANGES	

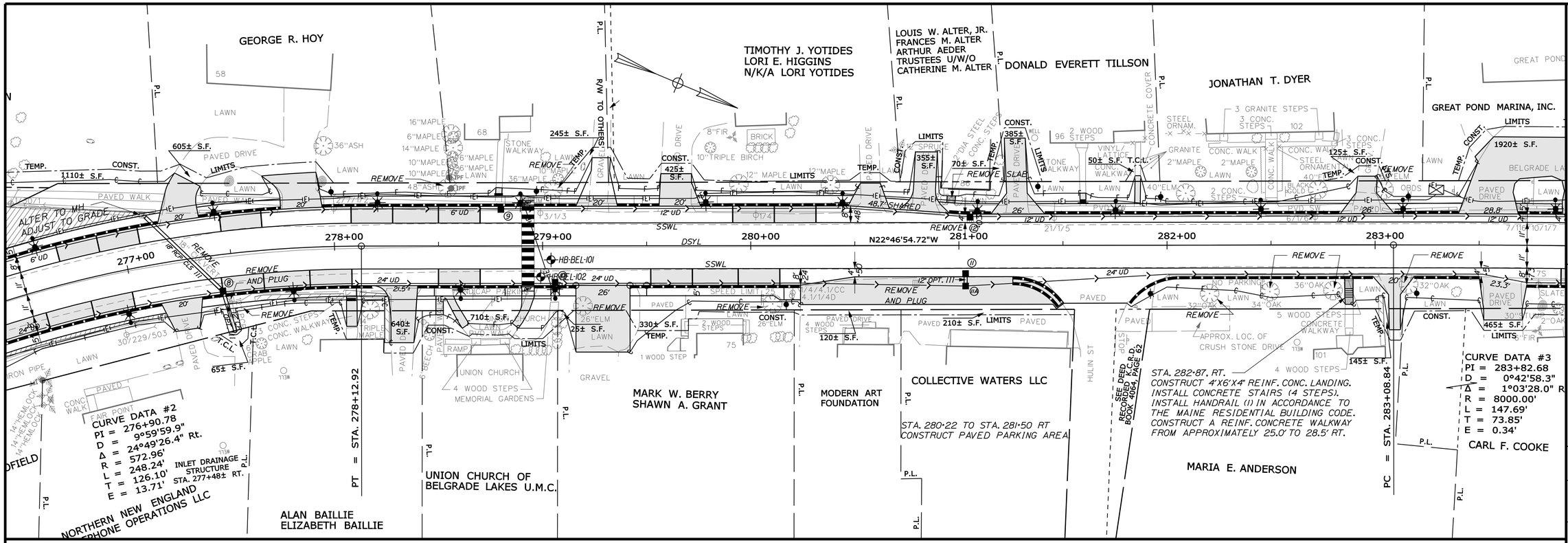
BELGRADE
ROUTE 27

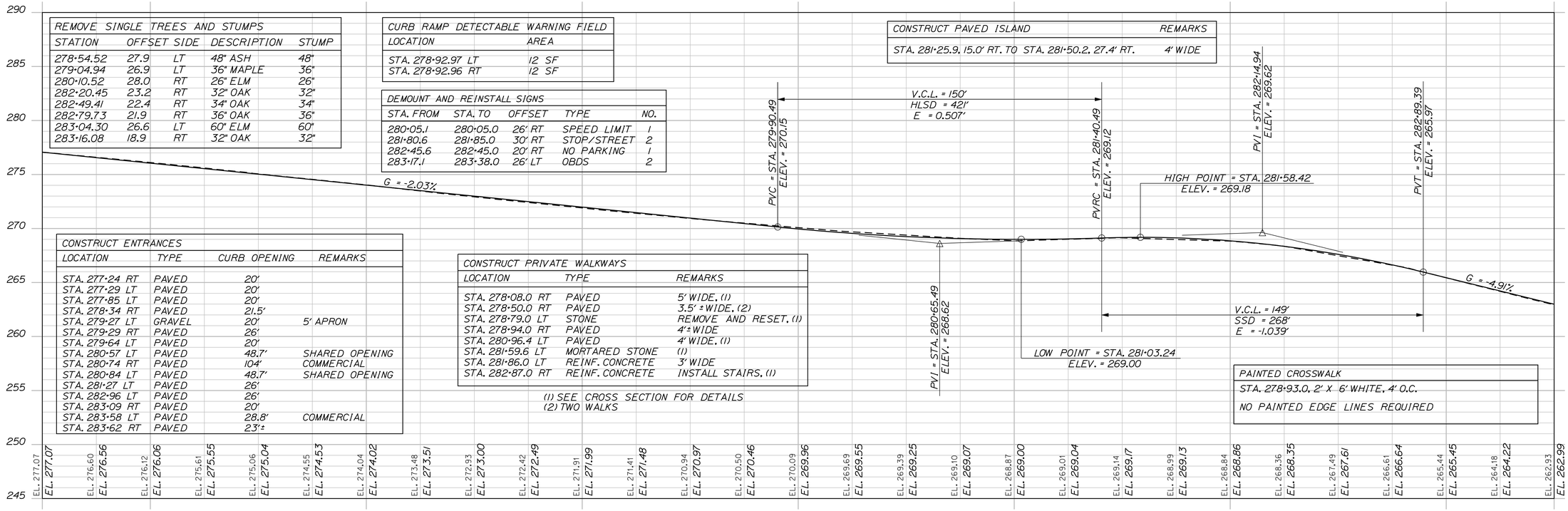
PLAN / PROFILE

SHEET NUMBER
11
OF 64

Filename: ...\draft ps&e_dgn\011_HDPLAN1.DGN Division: HIGHWAY Username: morin Date:1/12/2018

Filename: ...\draft ps&e_dgn\012_HDPLAN2.DGN Division: HIGHWAY Usernamе: morin Date:1/12/2018





REMOVE SINGLE TREES AND STUMPS				
STATION	OFFSET	SIDE	DESCRIPTION	STUMP
278+54.52	27.9	LT	48" ASH	48"
279+04.94	26.9	LT	36" MAPLE	36"
280+10.52	28.0	RT	26" ELM	26"
282+20.45	23.2	RT	32" OAK	32"
282+49.41	22.4	RT	34" OAK	34"
282+79.73	21.9	RT	36" OAK	36"
283+04.30	26.6	LT	60" ELM	60"
283+16.08	18.9	RT	32" OAK	32"

CURB RAMP DETECTABLE WARNING FIELD		
LOCATION	AREA	
STA. 278+92.97 LT	12 SF	
STA. 278+92.96 RT	12 SF	

DEMOUNT AND REINSTALL SIGNS				
STA. FROM	STA. TO	OFFSET	TYPE	NO.
280+05.1	280+05.0	26' RT	SPEED LIMIT	1
281+80.6	281+85.0	30' RT	STOP/STREET	2
282+45.6	282+45.0	20' RT	NO PARKING	1
283+17.1	283+38.0	26' LT	OBDS	2

CONSTRUCT PAVED ISLAND	REMARKS
STA. 281+25.9, 15.0' RT. TO STA. 281+50.2, 27.4' RT.	4' WIDE

CONSTRUCT ENTRANCES			
LOCATION	TYPE	CURB OPENING	REMARKS
STA. 277+24 RT	PAVED	20'	
STA. 277+29 LT	PAVED	20'	
STA. 277+85 LT	PAVED	20'	
STA. 278+34 RT	PAVED	21.5'	
STA. 279+27 LT	GRAVEL	20'	5' APRON
STA. 279+29 RT	PAVED	26'	
STA. 279+64 LT	PAVED	20'	
STA. 280+57 LT	PAVED	48.7'	SHARED OPENING
STA. 280+74 RT	PAVED	104'	COMMERCIAL
STA. 280+84 LT	PAVED	48.7'	SHARED OPENING
STA. 281+27 LT	PAVED	26'	
STA. 282+96 LT	PAVED	26'	
STA. 283+09 RT	PAVED	20'	
STA. 283+58 LT	PAVED	28.8'	COMMERCIAL
STA. 283+62 RT	PAVED	23'±	

CONSTRUCT PRIVATE WALKWAYS		
LOCATION	TYPE	REMARKS
STA. 278+08.0 RT	PAVED	5' WIDE. (1)
STA. 278+50.0 RT	PAVED	3.5' ± WIDE. (2)
STA. 278+79.0 LT	STONE	REMOVE AND RESET. (1)
STA. 278+94.0 RT	PAVED	4'± WIDE
STA. 280+96.4 LT	PAVED	4' WIDE. (1)
STA. 281+59.6 LT	MORTARED STONE	(1)
STA. 281+86.0 LT	REINF. CONCRETE	3' WIDE
STA. 282+87.0 RT	REINF. CONCRETE	INSTALL STAIRS. (1)

(1) SEE CROSS SECTION FOR DETAILS
(2) TWO WALKS

PAINTED CROSSWALK
STA. 278+93.0, 2' X 6' WHITE, 4' O.C.
NO PAINTED EDGE LINES REQUIRED

EL. 277.07	EL. 276.60	EL. 276.12	EL. 275.61	EL. 275.06	EL. 274.55	EL. 274.04	EL. 273.48	EL. 272.93	EL. 272.42	EL. 271.91	EL. 271.41	EL. 270.94	EL. 270.50	EL. 270.09	EL. 269.69	EL. 269.39	EL. 269.10	EL. 268.87	EL. 269.01	EL. 269.14	EL. 268.99	EL. 268.84	EL. 268.36	EL. 267.49	EL. 266.61	EL. 265.44	EL. 264.18	EL. 262.93
EL. 277.07	EL. 276.56	EL. 276.06	EL. 275.55	EL. 275.04	EL. 274.53	EL. 274.02	EL. 273.51	EL. 273.00	EL. 272.49	EL. 271.99	EL. 271.48	EL. 270.97	EL. 270.46	EL. 269.96	EL. 269.55	EL. 269.25	EL. 269.07	EL. 269.00	EL. 269.04	EL. 269.17	EL. 269.13	EL. 268.86	EL. 268.35	EL. 267.61	EL. 266.64	EL. 265.45	EL. 264.22	EL. 262.99

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

ALBERT I. GOSSELIN JR. 12077 STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER

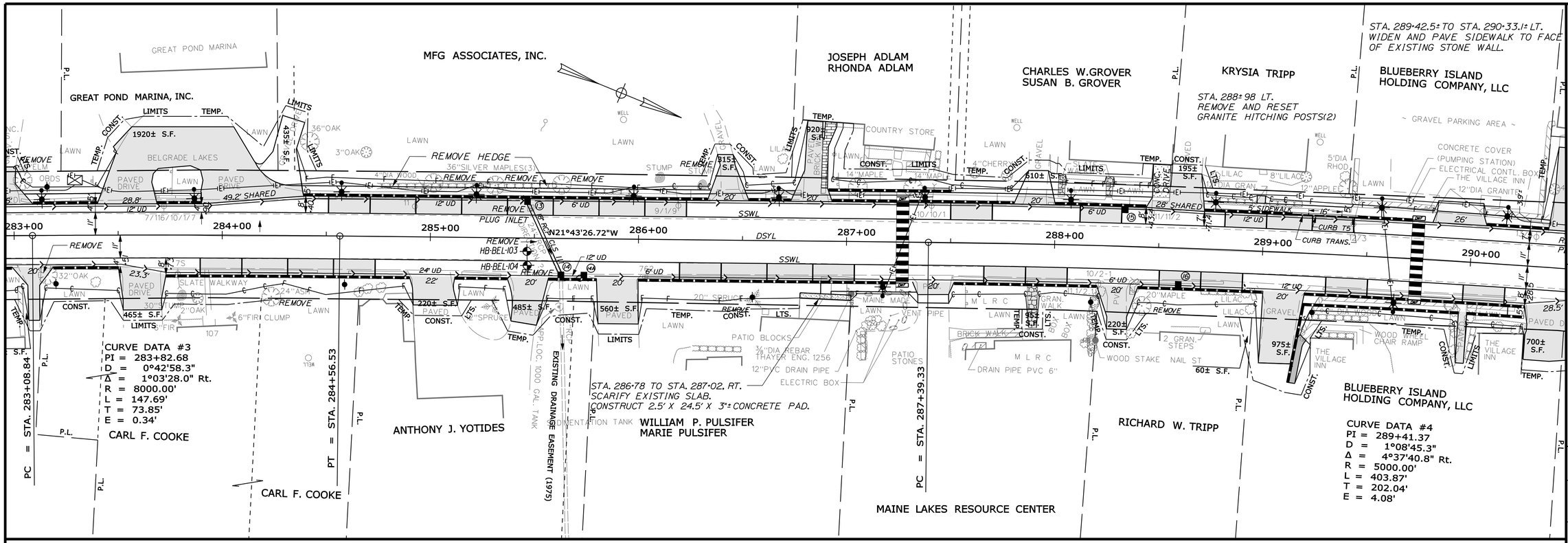
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4226
P.E. NUMBER
1/12/2018
DATE

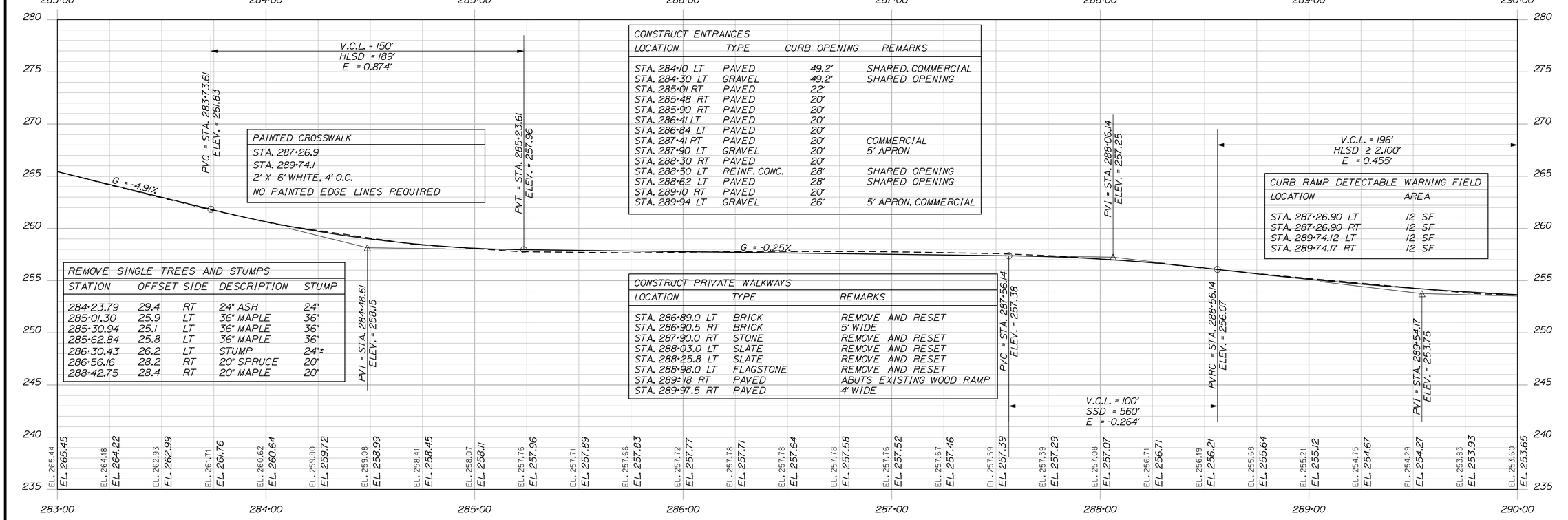
PROJ. MANAGER	ERNIE MARTIN			
DESIGN-DETAILED	MSM	12/2017		
CHECKED-REVIEWED	ALG	12/2017		
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				
REVISIONS 1				1
REVISIONS 2				2
REVISIONS 3				3
REVISIONS 4				4
FIELD CHANGES				

BELGRADE
ROUTE 27

PLAN / PROFILE

SHEET NUMBER
12
OF 64





PAINTED CROSSWALK

STA. 287+26.9
STA. 289+74.1
2' X 6' WHITE, 4' O.C.
NO PAINTED EDGE LINES REQUIRED

REMOVE SINGLE TREES AND STUMPS

STATION	OFFSET	SIDE	DESCRIPTION	STUMP
284+23.79	29.4	RT	24" ASH	24"
285+01.30	25.9	LT	36" MAPLE	36"
285+30.94	25.1	LT	36" MAPLE	36"
285+62.84	25.8	LT	36" MAPLE	36"
286+30.43	26.2	LT	STUMP	24"±
286+56.16	28.2	RT	20" SPRUCE	20"
288+42.75	28.4	RT	20" MAPLE	20"

CONSTRUCT ENTRANCES

LOCATION	TYPE	CURB OPENING	REMARKS
STA. 284+10 LT	PAVED	49.2'	SHARED. COMMERCIAL
STA. 284+30 LT	GRAVEL	49.2'	SHARED OPENING
STA. 285+01 RT	PAVED	22'	
STA. 285+48 RT	PAVED	20'	
STA. 285+90 RT	PAVED	20'	
STA. 286+41 LT	PAVED	20'	
STA. 286+84 LT	PAVED	20'	
STA. 287+41 RT	PAVED	20'	COMMERCIAL
STA. 287+90 LT	GRAVEL	20'	5' APRON
STA. 288+30 RT	PAVED	20'	
STA. 288+50 LT	REINF. CONC.	28'	SHARED OPENING
STA. 288+62 LT	PAVED	28'	SHARED OPENING
STA. 289+10 RT	PAVED	20'	
STA. 289+94 LT	GRAVEL	26'	5' APRON. COMMERCIAL

CONSTRUCT PRIVATE WALKWAYS

LOCATION	TYPE	REMARKS
STA. 286+89.0 LT	BRICK	REMOVE AND RESET
STA. 286+90.5 RT	BRICK	5' WIDE
STA. 287+90.0 RT	STONE	REMOVE AND RESET
STA. 288+03.0 LT	SLATE	REMOVE AND RESET
STA. 288+25.8 LT	SLATE	REMOVE AND RESET
STA. 288+98.0 LT	FLAGSTONE	REMOVE AND RESET
STA. 289+18 RT	PAVED	ABUTS EXISTING WOOD RAMP
STA. 289+97.5 RT	PAVED	4' WIDE

CURB RAMP DETECTABLE WARNING FIELD

LOCATION	AREA
STA. 287+26.90 LT	12 SF
STA. 287+26.90 RT	12 SF
STA. 289+74.12 LT	12 SF
STA. 289+74.17 RT	12 SF

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

ALBERT L. GOSTELOW JR. 5426 STATE OF MAINE REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226
P.E. NUMBER
1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN	DATE
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

PLAN / PROFILE

SHEET NUMBER
13
OF 64

Filename: ...\draft ps&e_dgn\013_HDPLAN3.DGN Division: HIGHWAY Username: morin Date:1/12/2018

STA. 291+10 TO STA. 291+40, LT.
REMOVE AND RESET SHRUBS AS DIRECTED TO ACCOMPLISH PROPOSED WORK IN THIS AREA. PAYMENT WILL BE MADE UNDER ITEM 622.10.

STA. 293+75 LT
CONSTRUCT PAVED ENTRANCE
REMOVE AND RESET "TURFSTONE" POROUS CONCRETE PAVERS (40± S.Y.)
PAYMENT WILL BE MADE UNDER ITEM 608.261 AND WILL INCLUDE ALL TEMP. LABOR, EQUIPMENT AND MATERIALS NECESSARY TO REMOVE AND RESET AT THE NEW ENTRANCE GRADE.

REMOVE AND RESET SLAB AND STEPS

DIANE D. OLIVER
KERRY A. OLIVER

JANICE P. PARTRIDGE

SAMUEL B. WELLS

DONALD J. RYCROFT, TRUSTEE OF THE DONALD J. RYCROFT REVOCABLE TRUST & CAROL A. JOHNSON, TRUSTEE OF THE CAROL A. JOHNSON REVOCABLE TRUST

TOWN OF BELGRADE

EXISTING DRAINAGE EASEMENT (STORM SEWER OUTLET PIPE) SEE D.O.T. FILE NO. 6-345

SEE D.O.T. FILE NO. 6-345 (GUARDRAIL)

CURVE DATA #7
PI = 295+74.47
Δ = 0°10'15.4" Lt.

REMOVE 12" CMP

STA. 295+50.00
END PROJECT NO. STP-1825(300)X

RETAIN G.RAIL

REMOVE AND PLUG

HB-BEL-105

HB-BEL-106

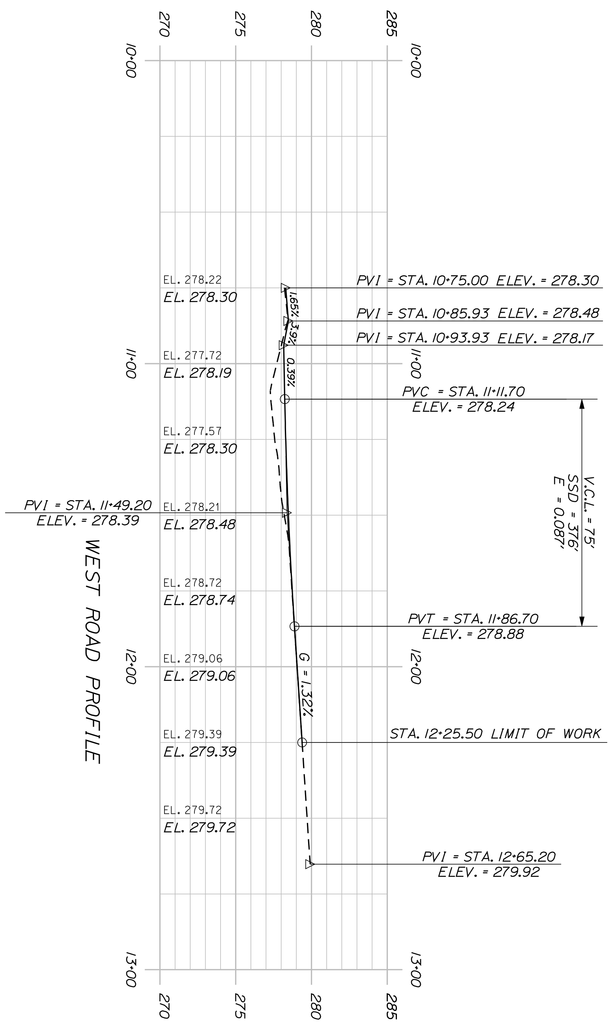
REMOVE CB PLUG CULVERT

REMOVE AND PLUG

REMOVE

REMOVE

REMOVE



SHEET NUMBER 15 OF 64

BELGRADE WEST ROAD

PROFILE

PROJ. MANAGER ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

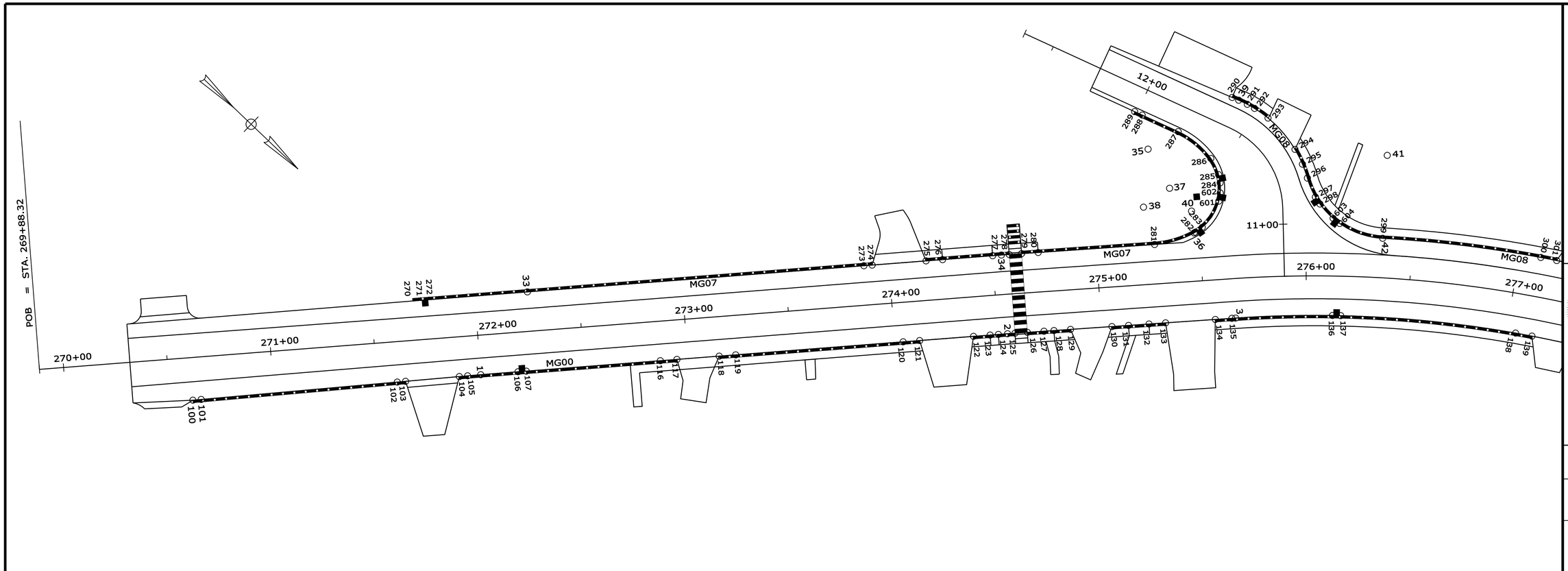
SIGNATURE
4226
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STATE OF MAINE
ALBERT I. GODFREY
PROFESSIONAL ENGINEER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00 HIGHWAY PLANS



CONTROL POINTS FOR MG00				
Point	Station	Offset	X Coord.	Y Coord.
100	270+60.85	20.49 RT	616618.7642	1112237.1676
101	270+64.85	20.45 RT	616621.4023	1112234.1609
102	271+59.65	19.43 RT	616683.9340	1112162.8935
103	271+63.65	19.39 RT	616686.5721	1112159.8868
104	271+89.65	19.11 RT	616703.7201	1112140.3433
105	271+93.65	19.07 RT	616706.3582	1112137.3366
106	272+18.00	19.00 RT	616722.5623	1112119.1616
107	272+22.00	19.00 RT	616725.2325	1112116.1834
116	272+86.74	19.00 RT	616768.4503	1112067.9812
117	272+94.74	19.00 RT	616773.7908	1112062.0247
118	273+15.15	19.00 RT	616787.4142	1112046.8301
119	273+23.15	19.00 RT	616792.7547	1112040.8737
120	274+04.00	19.00 RT	616846.7290	1111980.6742
121	274+12.00	19.00 RT	616852.0695	1111974.7179
122	274+38.00	19.00 RT	616869.4259	1111955.3601
123	274+46.00	19.00 RT	616874.7658	1111949.4033
124	274+50.00	19.00 RT	616877.4365	1111946.4256
125	274+58.17	19.00 RT	616882.8059	1111940.4952
126	274+64.17	19.00 RT	616886.8329	1111936.0474
127	274+72.17	19.00 RT	616892.2409	1111930.1519
128	274+77.00	19.00 RT	616895.4970	1111926.5850
129	274+85.00	19.00 RT	616900.8906	1111920.6767
130	275+05.00	19.00 RT	616914.3750	1111905.9062
131	275+13.00	19.00 RT	616919.7741	1111900.0027
132	275+22.88	19.00 RT	616926.4336	1111892.7039
133	275+30.88	19.00 RT	616931.8243	1111886.7928
134	275+54.88	19.00 RT	616948.0066	1111869.0691
135	275+62.88	19.00 RT	616953.3996	1111863.1601
136	276+12.93	19.00 RT	616987.4798	1111828.7428
137	276+17.07	19.00 RT	616990.4259	1111826.0373
138	277+04.68	19.00 RT	617057.1243	1111773.9528
139	277+12.96	19.00 RT	617063.8193	1111769.5750

CONTROL POINTS FOR MG07				
Point	Station	Offset	X Coord.	Y Coord.
270	271+70.00	18.90 LT	616662.2970	1112129.5963
271	271+74.00	18.92 LT	616664.9578	1112126.6097
272	271+78.00	18.93 LT	616667.6186	1112123.6230
273	273+88.00	19.00 LT	616807.7545	1111967.2202
274	273+92.00	19.00 LT	616810.4248	1111964.2420
275	274+18.00	19.00 LT	616827.7814	1111944.8836
276	274+26.00	19.00 LT	616833.1219	1111938.9272
277	274+50.18	19.00 LT	616849.2654	1111920.9221
278	274+58.01	19.00 LT	616854.6352	1111914.9923
279	274+64.01	19.00 LT	616858.6620	1111910.5442
280	274+72.01	19.00 LT	616864.0692	1111904.6486
281	275+28.19	19.00 LT	616901.9473	1111863.1582
282	275+48.25	23.61 LT	616912.0669	1111845.2364
283	275+51.66	25.69 LT	616912.8314	1111841.3147
601	275+60.48	37.72 LT	616909.8901	1111826.6899
602	275+61.43	41.60 LT	616907.6690	1111823.3686
284	275+61.73	46.47 LT	616904.2736	1111819.8723
285	275+61.24	50.43 LT	616901.0189	1111817.5546
286	275+58.03	58.47 LT	616892.9226	1111814.5094
287	275+43.26	72.41 LT	616872.6591	1111816.0228
288	275+26.51	81.55 LT	616854.6164	1111822.2304
289	275+22.99	83.47 LT	616850.834	1111823.5317
WEST RD.				
283	10+99.49	38.99 LT	616912.8314	1111841.3147
284	11+40.49	24.65 LT	616904.2736	1111819.8723
285	11+47.24	22.19 LT	616901.0189	1111817.5546
286	11+58.63	17.16 LT	616892.9226	1111814.5094
287	11+78.28	12.00 LT	616872.6591	1111816.0228
288	11+97.36	12.00 LT	616854.6164	1111822.2304
289	12+01.36	12.00 LT	616850.8340	1111823.5317

CONTROL POINTS FOR MG08				
Point	Station	Offset	X Coord.	Y Coord.
290	275+69.56	87.09 LT	616880.0682	1111786.1652
291	275+75.74	83.40 LT	616887.6164	1111783.5172
292	275+78.69	81.27 LT	616891.4925	1111782.5419
293	275+84.25	76.38 LT	616899.4045	1111781.4022
294	275+95.50	60.97 LT	616919.2095	1111783.3556
295	275+98.71	53.80 LT	616926.7464	1111786.0190
296	276+00.83	47.08 LT	616933.0801	1111789.2359
297	276+04.41	37.96 LT	616942.1648	1111793.1544
298	276+06.46	34.62 LT	616946.0548	1111794.0786
603	276+12.55	27.76 LT	616955.4225	1111794.6941
604	276+15.61	25.37 LT	616959.4000	1111794.2870
299	276+35.79	19.00 LT	616979.3193	1111785.1646
300	277+10.07	19.00 LT	617040.7442	1111739.2416
301	277+17.63	19.00 LT	617047.3202	1111735.0279
WEST RD				
290	11+61.56	13.82 RT	616880.0682	1111786.1652
291	11+54.28	13.95 RT	616887.6164	1111783.5172
292	11+51.25	13.95 RT	616891.4925	1111782.5419
293	11+45.17	13.96 RT	616899.4045	1111781.4022
294	11+29.99	13.99 RT	616919.2095	1111783.3556
295	11+23.92	14.00 RT	616926.7464	1111786.0190
296	11+18.53	14.01 RT	616933.0801	1111789.2359
297	11+11.31	16.05 RT	616942.1648	1111793.1544
298	11+08.77	17.94 RT	616946.0548	1111794.0786

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

ALBERT I. GOFFIN 4226 PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER

1/12/2018

DATE

	ERNIE MARTIN	DATE
PROJ. MANAGER		
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

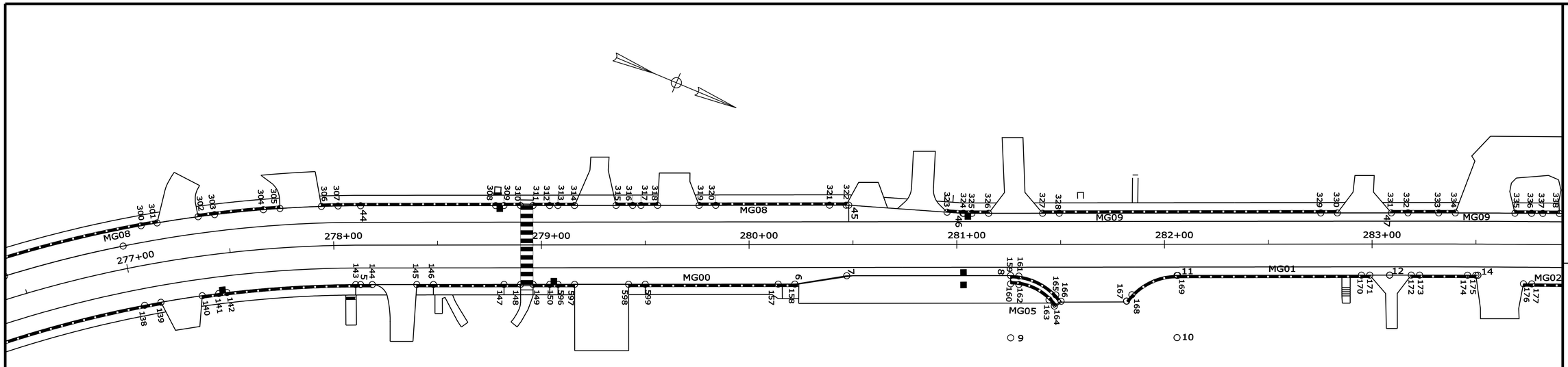
GEOMETRIC CURB LAYOUT

SHEET NUMBER

16

OF 64

Filename: ...\msto\016_Geometric Plan 1.DGN Division: HIGHWAY Username: morin Date:1/2/2018



CONTROL POINTS FOR MG00				
Point	Station	Offset	X Coord.	Y Coord.
138	277+04.68	19.00 RT	617057.1243	1111773.9528
139	277+12.96	19.00 RT	617063.8193	1111769.5750
140	277+33.78	19.00 RT	617080.9394	1111758.9883
141	277+42.05	19.00 RT	617087.8475	1111754.9531
142	277+46.19	19.00 RT	617091.3228	1111752.9726
143	278+10.45	19.00 RT	617147.0160	1111725.5140
144	278+18.53	19.00 RT	617154.3894	1111722.4104
145	278+39.96	19.00 RT	617174.1447	1111714.1119
146	278+47.96	19.00 RT	617181.5212	1111711.0157
147	278+81.96	19.00 RT	617212.8686	1111697.8498
148	278+89.96	19.00 RT	617220.2445	1111694.7520
149	278+95.96	19.00 RT	617225.7765	1111692.4290
150	279+03.96	19.00 RT	617233.1533	1111689.3333
596	279+07.96	19.00 RT	617236.8426	1111687.7876
597	279+15.96	19.00 RT	617244.2185	1111684.6898
598	279+41.96	19.00 RT	617268.1876	1111674.6160
599	279+49.96	19.00 RT	617275.5635	1111671.5182
157	280+13.99	19.00 RT	617334.6030	1111646.7224
158	280+21.99	19.00 RT	617341.9790	1111643.6250
159	281+25.89	15.00 RT	617436.2262	1111599.7035
161	281+29.88	15.26 RT	617440.0059	1111598.4033
165	281+47.65	24.33 RT	617459.8982	1111599.8843
166	281+50.20	27.41 RT	617463.4437	1111601.7298

CONTROL POINTS FOR MG05				
Point	Station	Offset	X Coord.	Y Coord.
160	281+25.89	19.00 RT	617437.7734	1111603.3851
162	281+29.88	19.30 RT	617441.5654	1111602.1246
163	281+44.38	26.70 RT	617457.8018	1111603.3359
164	281+46.96	29.75 RT	617461.3648	1111605.1451

CONTROL POINTS FOR MG08				
Point	Station	Offset	X Coord.	Y Coord.
300	277+10.07	19.00 LT	617040.7442	1111739.2416
301	277+17.63	19.00 LT	617047.3202	1111735.0279
302	277+36.98	19.00 LT	617064.3911	1111724.6307
303	277+44.73	19.00 LT	617071.3274	1111720.6230
304	277+67.58	19.00 LT	617092.0770	1111709.3814
305	277+75.32	19.00 LT	617099.2076	1111705.7545
306	277+94.68	19.00 LT	617117.2482	1111697.1210
307	278+02.42	19.00 LT	617124.5457	1111693.8431
308	278+77.96	19.00 LT	617194.4662	1111664.3634
309	278+81.96	19.00 LT	617198.1542	1111662.8145
310	278+89.96	19.00 LT	617205.5300	1111659.7167
311	278+95.96	19.00 LT	617211.0620	1111657.3934
312	279+03.96	19.00 LT	617218.4378	1111654.2956
313	279+07.96	19.00 LT	617222.1258	1111652.7467
314	279+15.96	19.00 LT	617229.5017	1111649.6489
315	279+35.96	19.00 LT	617247.9414	1111641.9044
316	279+43.96	19.00 LT	617255.3173	1111638.8066
317	279+47.96	19.00 LT	617259.0052	1111637.2577
318	279+55.96	19.00 LT	617266.3811	1111634.1599
319	279+75.96	19.00 LT	617284.8208	1111626.4155
320	279+83.96	19.00 LT	617292.1967	1111623.3177
321	280+38.74	19.00 LT	617342.7082	1111602.1034
322	280+46.74	19.00 LT	617350.0841	1111599.0056

CONTROL POINTS FOR MG01				
Point	Station	Offset	X Coord.	Y Coord.
167	281+81.74	27.38 RT	617492.5101	1111589.4889
168	281+84.30	24.31 RT	617493.6798	1111585.6668
169	282+06.38	15.00 RT	617510.434	1111568.5380
170	282+94.84	15.00 RT	617591.9887	1111534.2855
171	282+98.84	15.00 RT	617595.6769	1111532.7374
172	283+18.85	15.00 RT	617614.1172	1111524.9942
173	283+22.86	15.00 RT	617617.8091	1111523.4549
174	283+45.99	15.00 RT	617639.1235	1111514.5827
175	283+50.00	15.00 RT	617642.819	1111513.0520

CONTROL POINTS FOR MG09				
Point	Station	Offset	X Coord.	Y Coord.
323	280+95.36	15.56 LT	617396.2456	1111583.3543
324	281+03.34	15.00 LT	617403.8179	1111580.7765
325	281+07.34	15.00 LT	617407.5059	1111579.2276
326	281+15.34	15.00 LT	617414.8818	1111576.1298
327	281+41.34	15.00 LT	617438.8534	1111566.0620
328	281+49.34	15.00 LT	617446.2292	1111562.9642
329	282+75.28	15.00 LT	617562.3421	1111514.1981
330	282+83.28	15.00 LT	617569.7180	1111511.1003
331	283+09.28	15.00 LT	617593.6894	1111501.0323
332	283+17.26	15.00 LT	617601.0673	1111497.9392
333	283+32.01	15.00 LT	617614.7040	1111492.2436
334	283+40.00	15.00 LT	617622.0902	1111489.1705
335	283+68.69	15.00 LT	617648.6562	1111478.1902
336	283+76.68	15.00 LT	617656.0627	1111475.1495
337	283+82.08	15.00 LT	617661.0614	1111473.1018
338	283+90.06	15.00 LT	617668.4647	1111470.0706

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOFFIN — 4226 — PROFESSIONAL ENGINEER

	SIGNATURE
	4226
	P.E. NUMBER
	1/12/2018
	DATE

			DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	MSM	12/2017
CHECKED-REVIEWED	ALG	ALG	12/2017
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

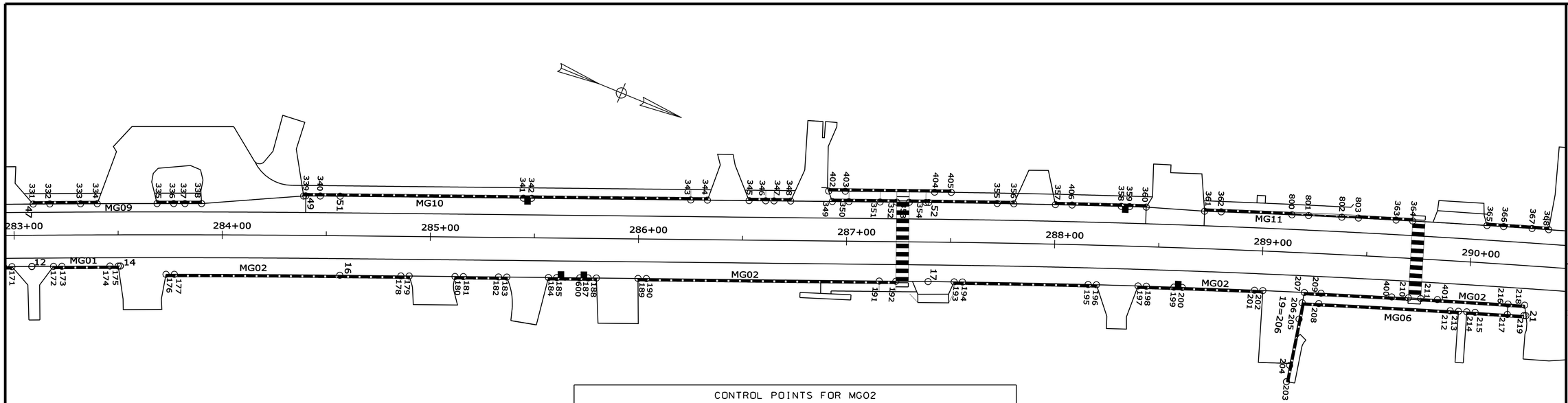
GEOMETRIC CURB LAYOUT

SHEET NUMBER

17

OF 64

Filename: ...\msto\017_Geometric Plan 2.DGN Division: HIGHWAY Username: morin Date:1/2/2018



CONTROL POINTS FOR MG09				
Point	Station	Offset	X Coord.	Y Coord.
331	283+09.28	15.00 LT	617593.6894	1111501.0323
332	283+17.26	15.00 LT	617601.0673	1111497.9392
333	283+32.01	15.00 LT	617614.7040	1111492.2436
334	283+40.00	15.00 LT	617622.0902	1111489.1705
335	283+68.69	15.00 LT	617648.6562	1111478.1902
336	283+76.68	15.00 LT	617656.0627	1111475.1495
337	283+82.08	15.00 LT	617661.0614	1111473.1018
338	283+90.06	15.00 LT	617668.4647	1111470.0706

CONTROL POINTS FOR MG01				
Point	Station	Offset	X Coord.	Y Coord.
171	282+98.84	15.00 RT	617595.6769	1111532.7374
172	283+18.85	15.00 RT	617614.1172	1111524.9942
173	283+22.86	15.00 RT	617617.8091	1111523.4549
174	283+45.99	15.00 RT	617639.1235	1111514.5827
175	283+50.00	15.00 RT	617642.819	1111513.0520

CONTROL POINTS FOR MG02				
Point	Station	Offset	X Coord.	Y Coord.
176	283+73.00	19.00 RT	617665.5620	1111508.0020
177	283+77.00	19.00 RT	617669.2540	1111506.4870
178	284+86.05	19.00 RT	617770.2394	1111465.8264
179	284+90.05	19.00 RT	617773.959	1111464.3553
180	285+12.05	19.00 RT	617794.3946	1111456.2073
181	285+16.05	19.00 RT	617798.1087	1111454.7223
182	285+32.97	19.00 RT	617813.82	1111448.4627
183	285+36.97	19.00 RT	617817.5358	1111446.9819
184	285+56.97	19.00 RT	617836.1151	1111439.5787
185	285+60.97	19.00 RT	617839.8313	1111438.0986
600	285+72.00	19.00 RT	617850.0816	1111434.0137
187	285+76.00	19.00 RT	617853.7979	1111432.5340
188	285+80.00	19.00 RT	617857.514	1111431.0540
189	286+00.00	19.00 RT	617876.0938	1111423.6527
190	286+04.00	19.00 RT	617879.8089	1111422.1700
191	287+15.90	19.00 RT	617983.7582	1111380.7533
192	287+23.90	19.00 RT	617991.1897	1111377.7914
193	287+51.94	19.00 RT	618017.2074	1111367.4436
194	287+55.96	19.00 RT	618020.9276	1111365.9737
195	288+16.56	19.00 RT	618077.217	1111344.1560
196	288+20.59	19.00 RT	618080.973	1111342.7281
197	288+40.67	19.00 RT	618099.6844	1111335.6656
198	288+44.68	19.00 RT	618103.43	1111334.2619
199	288+57.99	19.00 RT	618115.8524	1111329.6325
200	288+62.00	19.00 RT	618119.5960	1111328.2440
201	288+96.88	19.00 RT	618152.2258	1111316.2915
202	289+00.90	19.00 RT	618155.987	1111314.9302
207	289+20.95	19.00 RT	618174.7860	1111308.1780
209	289+29.00	19.00 RT	618182.3410	1111305.4880
400	289+63.12	19.00 RT	618214.4124	1111294.2223
210	289+71.15	19.00 RT	618221.9714	1111291.6028
211	289+77.18	19.00 RT	618227.6427	1111289.6442
401	289+85.21	19.00 RT	618235.2096	1111287.0477
216	290+19.33	19.00 RT	618267.4103	1111276.1416
218	290+27.36	19.00 RT	618274.9979	1111273.6061

CONTROL POINTS FOR MG06				
Point	Station	Offset	X Coord.	Y Coord.
203	289+14.28	62.25 RT	618183.1271	1111351.1276
204	289+15.50	54.34 RT	618181.5871	1111343.2772
205	289+18.99	31.92 RT	618177.2959	1111321.0052
206	289+20.11	24.00 RT	618175.6810	1111313.1693
208	289+28.15	24.00 RT	618183.2184	1111310.4884
212	289+91.67	24.00 RT	618242.9222	1111289.7012
213	289+95.69	24.00 RT	618246.7081	1111288.4102
214	289+99.71	24.00 RT	618250.4963	1111287.1257
215	290+03.73	24.00 RT	618254.2845	1111285.8413
217	290+19.33	24.00 RT	618268.9976	1111280.8884
219	290+28.32	24.00 RT	618277.4807	1111278.0567

CONTROL POINTS FOR MG11				
Point	Station	Offset	X Coord.	Y Coord.
361	288+71.40	18.00 LT	618115.6000	1111290.2784
362	288+79.37	18.00 LT	618123.1097	1111287.5207
800	289+13.25	18.00 LT	618155.0743	1111275.9537
801	289+21.22	18.00 LT	618162.6068	1111273.2389
802	289+37.17	18.00 LT	618177.6845	1111267.8853
803	289+45.14	18.00 LT	618185.2298	1111265.2265
363	289+63.17	18.00 LT	618202.3168	1111259.2553
364	289+71.14	18.00 LT	618209.8758	1111256.6357
365	290+06.80	18.00 LT	618243.7392	1111245.0653
366	290+14.77	18.00 LT	618251.3210	1111242.5124
367	290+28.39	18.00 LT	618264.2864	1111238.1768
368	290+36.37	18.00 LT	618271.8788	1111235.6561

CONTROL POINTS FOR MG10				
Point	Station	Offset	X Coord.	Y Coord.
339	284+38.96	18.92 LT	617712.4245	1111448.0679
340	284+46.94	19.00 LT	617719.8172	1111445.0181
341	285+44.50	19.00 LT	617810.4699	1111408.8923
342	285+48.50	19.00 LT	617814.1858	1111407.4117
343	286+24.94	19.00 LT	617885.1997	1111379.1173
344	286+32.94	19.00 LT	617892.6315	1111376.1562
345	286+52.94	19.00 LT	617911.2110	1111368.7534
346	286+60.94	19.00 LT	617918.6429	1111365.7923
347	286+64.94	19.00 LT	617922.3588	1111364.3118
348	286+72.94	19.00 LT	617929.7906	1111361.3507
349	286+92.94	19.00 LT	617948.3702	1111353.9480
350	287+00.94	19.00 LT	617955.8019	1111350.9868
351	287+15.90	19.00 LT	617969.6978	1111345.4502
352	287+23.90	19.00 LT	617977.1296	1111342.4891
353	287+29.90	19.00 LT	617982.7035	1111340.2683
354	287+37.90	19.00 LT	617990.1353	1111337.3072
355	287+72.03	19.00 LT	618021.9955	1111324.7292
356	287+80.00	19.00 LT	618029.4486	1111321.8221
357	287+99.92	19.00 LT	618048.1021	1111314.6080
406	288+07.89	19.00 LT	618055.5718	1111311.7436
358	288+31.45	19.00 LT	618077.6798	1111303.3440
359	288+35.44	19.00 LT	618081.4228	1111301.9334
360	288+43.41	19.00 LT	618088.9125	1111299.1220
402	286+91.14	24.00 LT	617944.8439	1111349.9708
403	286+99.14	24.00 LT	617952.2740	1111347.0102
404	287+42.04	24.00 LT	617992.1384	1111331.1229
405	287+50.00	24.00 LT	617999.5744	1111328.1724

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSSELIN
4226
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226

P.E. NUMBER

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN			
DESIGN-DETAILED	MSM	12/2017	MSM	
CHECKED-REVIEWED	ALG	12/2017	ALG	
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				
REVISIONS 1				1
REVISIONS 2				2
REVISIONS 3				3
REVISIONS 4				4
FIELD CHANGES				5

BELGRADE
ROUTE 27

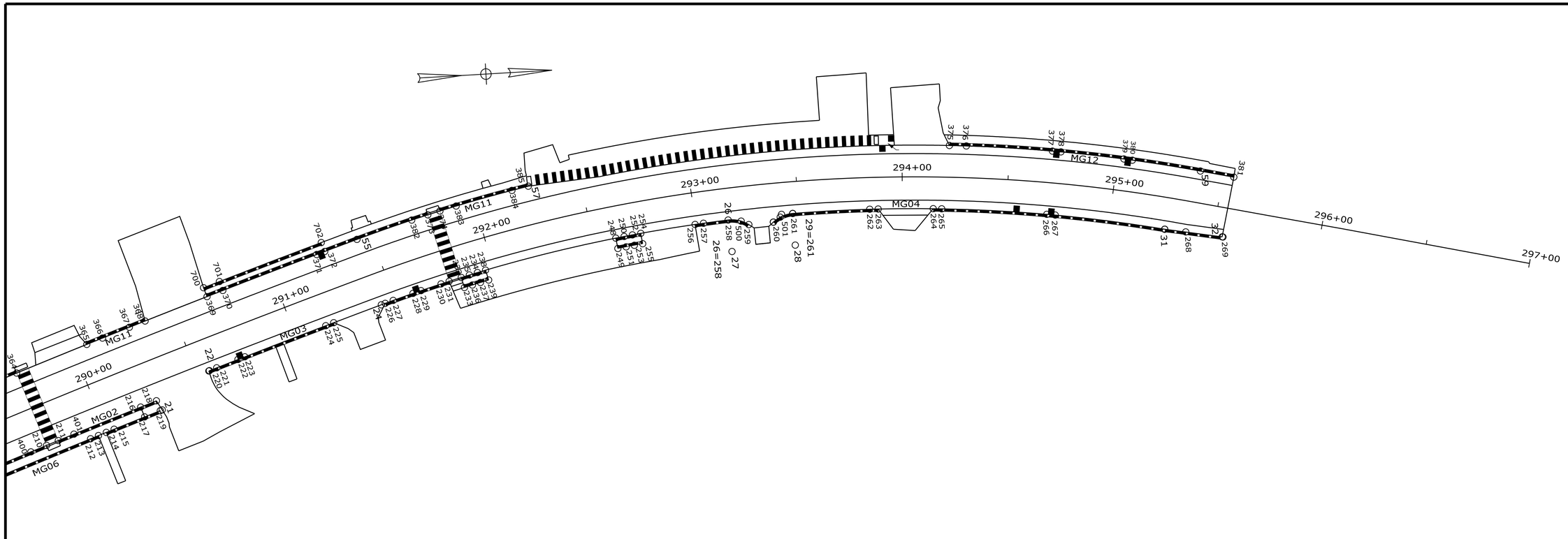
GEOMETRIC CURB LAYOUT

SHEET NUMBER

18

OF 64

Filename: ...\msta\018_Geometric Plan 3.DGN Division: HIGHWAY Username: morin Date:1/2/2018



CONTROL POINTS FOR MG11				
Point	Station	Offset	X Coord.	Y Coord.
364	289+71.14	18.00 LT	618209.8758	1111256.6357
365	290+06.80	18.00 LT	618243.7392	1111245.0653
366	290+14.77	18.00 LT	618251.3210	1111242.5124
367	290+28.39	18.00 LT	618264.2864	1111238.1768
368	290+36.37	18.00 LT	618271.8788	1111235.6561
369	290+67.71	18.00 LT	618301.7732	1111225.8623
370	290+75.68	18.00 LT	618309.3852	1111223.4011
371	291+23.01	18.00 LT	618354.6576	1111209.0414
372	291+26.99	18.00 LT	618358.4765	1111207.8513
382	291+70.00	18.00 LT	618400.4023	1111195.4523
373	291+77.81	18.00 LT	618408.1386	1111193.4153
374	291+83.67	18.00 LT	618413.9560	1111191.9458
383	291+91.48	18.00 LT	618421.7322	1111190.0681
384	292+18.19	18.00 LT	618448.4735	1111184.2444
385	292+26.00	18.00 LT	618456.3247	1111182.7090
700	290+67.71	22.50 LT	618300.3853	1111221.5810
701	290+75.68	22.50 LT	618308.0065	1111219.1175
702	291+27.00	22.50 LT	618357.1395	1111203.5542

CONTROL POINTS FOR MG02				
Point	Station	Offset	X Coord.	Y Coord.
400	289+63.12	19.00 RT	618214.4124	1111294.2223
210	289+71.15	19.00 RT	618221.9714	1111291.6028
211	289+77.18	19.00 RT	618227.6427	1111289.6442
401	289+85.21	19.00 RT	618235.2096	1111287.0477
216	290+19.33	19.00 RT	618267.4103	1111276.1416
218	290+27.36	19.00 RT	618274.9979	1111273.6061

CONTROL POINTS FOR MG06				
Point	Station	Offset	X Coord.	Y Coord.
212	289+91.67	24.00 RT	618242.9222	1111289.7012
213	289+95.69	24.00 RT	618246.7081	1111288.4102
214	289+99.71	24.00 RT	618250.4963	1111287.1257
215	290+03.73	24.00 RT	618254.2845	1111285.8413
217	290+19.33	24.00 RT	618268.9976	1111280.8884
219	290+28.32	24.00 RT	618277.4807	1111278.0567

CONTROL POINTS FOR MG03				
Point	Station	Offset	X Coord.	Y Coord.
220	290+55.68	15.00 RT	618300.5567	1111261.0087
221	290+59.69	15.00 RT	618304.3426	1111259.7264
222	290+70.50	15.00 RT	618314.5908	1111256.3979
223	290+74.00	15.00 RT	618317.9160	1111255.3240
224	291+15.08	15.00 RT	618356.9424	1111242.9034
225	291+19.09	15.00 RT	618360.7596	1111241.7082
226	291+45.20	15.00 RT	618385.5934	1111234.0124
227	291+49.29	15.00 RT	618389.4228	1111232.8568
228	291+59.44	15.00 RT	618398.9691	1111230.0792
229	291+63.52	15.00 RT	618402.8212	1111229.0014
230	291+73.73	15.00 RT	618412.4749	1111226.3931
231	291+77.81	15.00 RT	618416.3454	1111225.3834
232	291+83.94	15.00 RT	618422.1640	1111223.9192
234	291+92.10	15.00 RT	618429.9394	1111222.0370
235	291+88.02	15.00 RT	618426.0487	1111222.9658
238	291+96.19	15.00 RT	618433.8351	1111221.1294
248	292+60.87	15.00 RT	618496.1326	1111209.6459
250	292+64.96	15.00 RT	618500.0958	1111209.1046
252	292+69.04	15.00 RT	618504.0620	1111208.5858
254	292+73.12	15.00 RT	618508.0315	1111208.0922
256	292+99.67	15.00 RT	618533.8907	1111205.4044
257	293+03.75	15.00 RT	618537.8770	1111205.0738
258	293+15.74	15.00 RT	618549.5942	1111204.2311
500	293+21.91	16.24 RT	618555.6961	1111205.1118
259	293+25.42	18.28 RT	618559.2269	1111206.9663
233	291+83.97	20.00 RT	618423.3925	1111228.7303
236	291+88.02	20.00 RT	618427.2098	1111227.7715
237	291+92.10	20.00 RT	618431.0714	1111226.8226
239	291+96.27	20.00 RT	618435.0098	1111225.8775
249	292+60.87	20.00 RT	618496.8166	1111214.5974
251	292+64.96	20.00 RT	618500.7586	1111214.0551
253	292+69.02	20.00 RT	618504.6738	1111213.5407
255	292+73.13	20.00 RT	618508.6418	1111213.0359

CONTROL POINTS FOR MG12				
Point	Station	Offset	X Coord.	Y Coord.
375	294+21.97	15.00 LT	618655.9890	1111175.2297
376	294+29.81	15.00 LT	618663.9596	1111175.9151
377	294+69.77	15.00 LT	618704.4384	1111180.7450
378	294+73.69	15.00 LT	618708.3940	1111181.3398
379	295+03.04	15.00 LT	618737.9020	1111186.4433
380	295+06.96	15.00 LT	618741.8271	1111187.2139
381	295+54.95	15.00 LT	618789.1971	1111198.0710

CONTROL POINTS FOR MG04				
Point	Station	Offset	X Coord.	Y Coord.
260	293+37.37	18.29 RT	618570.8631	1111206.4801
501	293+40.88	16.25 RT	618574.2246	1111204.3340
261	293+47.01	15.00 RT	618580.1905	1111202.9420
262	293+84.22	15.00 RT	618616.6401	1111203.0863
263	293+88.30	15.00 RT	618620.6380	1111203.2180
264	294+14.84	15.00 RT	618646.5999	1111204.5966
265	294+18.93	15.00 RT	618650.5889	1111204.8926
266	294+69.69	15.00 RT	618699.9969	1111210.4139
267	294+73.77	15.00 RT	618703.9528	1111211.0060
268	295+37.21	14.56 RT	618765.0090	1111222.5860
269	295+54.95	13.79 RT	618782.4271	1111226.0155

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

ALBERT L. GOSTEFF
3/12/2018
STATE OF MAINE
PROFESSIONAL ENGINEER

	SIGNATURE	DATE
P.E. NUMBER	4226	
1/12/2018		
DATE		

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

GEOMETRIC CURB LAYOUT

SHEET NUMBER

19

OF 64

Filename: ...\019_Geometric Plan 4.DGN Division: HIGHWAY Username: common Date:1/9/2018

CURVE DATA
DAB REPORT FOR MG00

(POINT NO.)	STATION	NORTHING	EASTING
POB (100)	0+00.00	616618.7642	1112237.1676
PI (1)	1+39.16	616710.5461	1112132.5636
Tangential Direction:	N48°44'08"W		
Tangential Length:	139.16		
PI (2)	3+93.58	616880.3878	1111943.1346
Tangential Direction:	N48°07'14"W		
Tangential Length:	254.42		
PC (3)	5+03.66	616954.6044	1111861.8405
Tangential Direction:	N47°36'21"W		
Tangential Length:	110.08		
PI ( )	6+25.57	617036.799	1111771.8075
CC (4)		617363.7171	1112235.3355
PT (5)	7+43.65	617149.1964	1111724.5982
Radius:	553.96		
Delta:	24°49'21" RT.		
Degree(Arc):	10°20'35"		
Length:	239.99		
Tangent:	121.91		
Chord:	238.12		
Middle Ordinate:	12.95		
External:	13.26		
PI (6)	9+52.76	617341.9870	1111643.6220
Tangential Direction:	N22°47'00"W		
Tangential Length:	209.11		
PI (7)	9+78.08	617363.4880	1111630.2530
Tangential Direction:	N31°52'22"W		
Tangential Length:	25.32		
Tangential Direction:	N22°46'55"W		
Tangential Length:	78.9		
PC (8)	10+56.98	617436.2346	1111599.7000
PI ( )	10+72.30	617450.3573	1111593.7685
CC (9)		617447.8514	1111627.3595
PT (166)	10+85.30	617463.4437	1111601.7298
Radius:	30		
Delta:	54°05'49" RT.		
Degree(Arc):	190°59'09"		
Length:	28.33		
Tangent:	15.32		
Chord:	27.28		
Middle Ordinate:	3.28		
External:	3.68		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
100	270+60.85	20.49 RT
1	272+00.00	19.00 RT
2	274+54.59	19.00 RT
3	275+64.67	19.00 RT
4	275+64.67	572.96 RT
5	278+12.89	19.00 RT
6	280+22.00	19.00 RT
7	280+47.00	15.00 RT
8	281+25.90	15.00 RT
9	281+25.90	45.00 RT
166	281+50.20	27.41 RT

CURVE DATA
DAB REPORT FOR MG01

(POINT NO.)	STATION	NORTHING	EASTING
PC (167)	0+00.00	617492.5101	1111589.4889
PI ( )	0+15.29	617496.0013	1111574.6004
CC (10)		617521.7178	1111596.3379
PT (11)	0+28.28	617510.1004	1111568.6786
Radius:	30		
Delta:	54°01'11" RT.		
Degree(Arc):	190°59'09"		
Length:	28.28		
Tangent:	15.29		
Chord:	27.25		
Middle Ordinate:	3.27		
External:	3.67		
Tangent Direction:	N76°48'11"W		
Tangential Direction:	N22°47'00"W		
Tangential Length:	102.4		
PC (12)	1+30.68	617604.5107	1111529.0247
PI ( )	1+51.94	617624.1041	1111520.7951
CC (13)		620696.666	1112891.0082
PT (14)	1+73.19	617643.741	1111512.6700
Radius:	7985		
Delta:	0°18'18" RT.		
Degree(Arc):	0°43'03"		
Length:	42.5		
Tangent:	21.25		
Chord:	42.5		
Middle Ordinate:	0.03		
External:	0.03		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
167	281+81.74	27.38 RT
10	282+06.02	45.00 RT
11	282+06.02	15.00 RT
12	283+08.42	15.00 RT
13	283+08.61	8.000 RT
14	283+51.00	15.00 RT

CURVE DATA
DAB REPORT FOR MG02

(POINT NO.)	STATION	NORTHING	EASTING
PC (176)	0+00.00	617665.5620	1111508.0020
PI ( )	0+41.75	617704.1787	1111492.1459
CC (15)		620696.9919	1112890.8736
PT (16)	0+83.49	617742.9591	1111476.6946
Radius:	7981		
Delta:	0°35'58" RT.		
Degree(Arc):	0°43'04"		
Length:	83.49		
Tangent:	41.75		
Chord:	83.49		
Middle Ordinate:	0.11		
External:	0.11		
Tangent Direction:	N22°19'24"W		
Tangential Direction:	N21°43'26"W		
Tangential Length:	282.68		
PC (17)	3+66.17	618005.5629	1111372.0653
PI ( )	5+09.66	618138.8622	1111318.9548
CC (18)		619849.1962	1115999.3082
PT (218)	6+53.07	618274.9979	1111273.6061
Radius:	4981		
Delta:	3°18'01" RT.		
Degree(Arc):	1°09'01"		
Length:	286.9		
Tangent:	143.49		
Chord:	286.86		
Middle Ordinate:	2.07		
External:	2.07		
Tangent Direction:	N21°43'26"W		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
176	283+73.00	19.00 RT
15	284+56.65	8.000 RT
16	284+56.69	19.00 RT
17	287+39.37	19.00 RT
18	287+39.29	5.000 RT
218	290+27.36	19.00 RT

CURVE DATA
DAB REPORT FOR MG03

(POINT NO.)	STATION	NORTHING	EASTING
PC (22)	0+00.00	618300.8470	1111260.8670
PI ( )	0+43.47	618342.1659	1111247.3660
CC (23)		619849.1481	1115999.3255
PCC (24)	0+86.94	618383.7139	1111234.5875
Radius:	4985		
Delta:	0°59'57" RT.		
Degree(Arc):	1°08'58"		
Length:	86.94		
Tangent:	43.47		
Chord:	86.93		
Middle Ordinate:	0.19		
External:	0.19		
Tangent Direction:	N18°05'42"W		
PI ( )	1+71.84	618464.8644	1111209.6290
CC (25)		618595.3714	1111922.7744
PCC (26)	2+55.96	618549.5945	1111204.2311
Radius:	720		
Delta:	13°27'02" RT.		
Degree(Arc):	7°57'28"		
Length:	169.02		
Tangent:	84.9		
Chord:	168.64		
Middle Ordinate:	4.95		
External:	4.99		
Tangent Direction:	N17°05'45"W		
PI ( )	2+61.27	618554.8949	1111203.8934
CC (27)		618550.5482	1111219.2007
PT (259)	2+66.17	618559.2269	1111206.9663
Radius:	15		
Delta:	38°59'45" RT.		
Degree(Arc):	381°58'19"		
Length:	10.21		
Tangent:	5.31		
Chord:	10.01		
Middle Ordinate:	0.86		
External:	0.91		
Tangent Direction:	N3°38'43"W		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
22	290+56.00	15.00 RT
23	287+39.29	5,000 RT
24	291+43.20	15.00 RT
25	291+43.19	735.00 RT
26	293+15.74	15.00 RT
27	293+15.74	30.00 RT
259	293+25.42	18.28 RT

CURVE DATA
DAB REPORT FOR MG06

(POINT NO.)	STATION	NORTHING	EASTING
POB (203)	0+00.00	618183.1271	1111351.1276
Tangential Direction:	S78°54'05"W		
Tangential Length:	38.68		
PC (19)	0+38.68	618175.6818	1111313.1740
PI ( )	0+92.05	618225.9429	1111295.2249
CC (20)		619849.1793	1115999.3218
PT (21)	1+45.41	618276.5775	1111278.3580
Radius:	4976		
Delta:	1°13'44" RT.		
Degree(Arc):	1°09'05"		
Length:	106.74		
Tangent:	53.37		
Chord:	106.73		
Middle Ordinate:	0.29		
External:	0.29		
Tangent Direction:	N19°39'09"W		
Tangent Direction:	N18°25'24"W		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
203	289+14.28	62.25 RT
19	289+20.11	24.00 RT
20	287+39.32	5,000 RT
21	290+27.36	24.00 RT

CURVE DATA
DAB REPORT FOR MG04

(POINT NO.)	STATION	NORTHING	EASTING
PC (260)	0+00.00	618570.8631	1111206.4801
PI ( )	0+05.31	618574.9189	1111203.0532
CC 28		618580.5439	1111217.9379
Radius:	15		
Delta:	38°59'11" RT.		
Degree(Arc):	381°58'19"		
Length:	10.21		
Tangent:	5.31		
Chord:	10.01		
Middle Ordinate:	0.86		
External:	0.91		
Tangent Direction:	N40°11'42"W		
PCC (29)	0+10.21	618580.2275	1111202.9412
PI ( )	0+98.79	618668.7924	1111201.0727
CC (30)		618595.4143	1111922.7810
Radius:	720		
Delta:	14°01'41" RT.		
Degree(Arc):	7°57'28"		
Length:	176.28		
Tangent:	88.58		
Chord:	175.84		
Middle Ordinate:	5.39		
External:	5.43		
Tangent Direction:	N1°12'31"W		
Tangent Direction:	N12°49'10"E		
PT (31)	1+86.49	618755.1690	1111220.7280
POE (32)	2+13.86	618782.0415	1111225.9239
Tangential Direction:	N10°56'36"E		
Tangential Length:	27.37		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
260	293+37.37	18.29 RT
28	293+47.04	30.00 RT
29	293+47.04	15.00 RT
30	295+37.25	735.00 RT
31	295+27.00	15.00 RT
32	295+54.55	13.79 RT

CURVE DATA
DAB REPORT FOR MG10

(POINT NO.)	STATION	NORTHING	EASTING
PC (49)	0+33.51	617713.3617	1111447.6021
PI ( )	0+41.77	617721.0201	1111444.5324
CC (50)		620695.3483	1118887.2244
Radius:	8015		
Delta:	0°07'05" RT.		
Degree(Arc):	0°42'53"		
Length:	16.5		
Tangent:	8.25		
Chord:	16.5		
Middle Ordinate:	0		
External:	0		
Tangent Direction:	N21°50'32"W		
PT (51)	0+50.02	617728.6848	1111441.4785
Tangential Direction:	N21°3'27"W		
Tangential Length:	282.81		
PC (52)	3+32.83	617991.4110	1111336.7985
PI ( )	3+85.10	618039.9656	1111317.4526
CC (53)		619849.1383	1115999.3311
PT (360)	4+37.36	618088.9125	1111299.1220
Radius:	5019		
Delta:	1°11'36" RT.		
Degree(Arc):	1°08'30"		
Length:	104.53		
Tangent:	52.27		
Chord:	104.53		
Middle Ordinate:	0.27		
External:	0.27		
Tangent Direction:	N20°31'51"W		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
49	284+40.00	19.00 LT
50	283+49.74	7,996 RT
51	284+56.46	19.00 LT
52	287+39.27	19.00 LT
53	287+39.28	5000 RT
360	288+43.41	19.00 LT

CURVE DATA
DAB REPORT FOR MG09

(POINT NO.)	STATION	NORTHING	EASTING
POB (323)	0+00.00	617396.2456	1111583.3544
PI (46)	0+07.66	617403.5022	1111580.9091
Tangential Direction:	N18°37'22"W		
Tangential Length:	7.66		
Tangential Direction:	N22°46'55"W		
Tangential Length:	206.32		
PC (47)	2+13.97	617593.7234	1111501.0183
PI ( )	2+54.42	617631.0160	1111485.3559
CC (48)		620697.3199	1118890.7351
PT (338)	2+94.87	617668.4647	1111470.0706
Radius:	8015		
Delta:	0°34'42" RT		
Degree(Arc):	0°42'53"		
Length:	80.9		
Tangent:	40.45		
Chord:	80.9		
Middle Ordinate:	0.1		
External:	0.1		
Tangent Direction:	N22°46'55"W		
Tangent Direction:	N22°12'13"W		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
323	280+95.36	15.56 LT
46	281+03.00	15.00 LT
47	283+09.32	15.00 LT
48	284+57.01	8,000 RT
338	283+90.06	15.00 LT

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOSSELIN — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER

1/12/2018

DATE

PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

GEOMETRIC CURB LAYOUT

SHEET NUMBER

20

OF 64

Filename: ...\msto\020_Geo Plan Data 10.dgn Division: HIGHWAY Username: morin Date:1/2/2018

CURVE DATA
DAB REPORT FOR MG07

(POINT NO.)	STATION	NORTHING	EASTING
POB (270)	0+00.00	616662.2970	1112129.5963
PI (33)	0+55.48	616699.2657	1112088.2276
Tangential Direction:	N48°12'54"W		
Tangential Length:	55.48		
PI (34)	2+84.42	616852.0936	1111917.7662
Tangential Direction:	N48°07'19"W		
Tangential Length:	228.94		
Tangential Direction:	N47°36'21"W		
Tangential Length:	73.94		
PC (281)	3+58.37	616901.9473	1111863.1582
PI ( )	3+68.53	616908.7973	1111855.6550
CC (35)		616867.9752	1111832.1438
Radius:	46		
Delta:	24°54'33" LT.		
Degree(Arc):	124° 33'22"		
Length:	20		
Tangent:	10.16		
Chord:	19.84		
Middle Ordinate:	1.08		
External:	1.11		
Tangent Direction:	N72°30'54"W		
PCC (36)	3+78.37	616911.8498	1111845.9647
PI ( )	4+06.08	616920.1762	1111819.5325
CC (37)		616888.4818	1111838.6036
Radius:	24.5		
Delta:	97°02'31" LT.		
Degree(Arc):	233° 51'37"		
Length:	41.5		
Tangent:	27.71		
Chord:	36.71		
Middle Ordinate:	8.27		
External:	12.49		
Tangent Direction:	N72°30'54"W		
Tangent Direction:	XXXXX26'35"W		
PCC (286)	4+19.86	616892.9226	1111814.509
PI ( )	4+30.37	616882.5921	1111812.605
CC (38)		616885.6723	1111853.847
Radius:	40		
Delta:	29°25'43" LT.		
Degree(Arc):	143°14'22"		
Length:	20.55		
Tangent:	10.5		
Chord:	20.32		
Middle Ordinate:	1.31		
External:	1.36		
Tangent Direction:	S10°26'35"W		
Tangent Direction:	S18°59'08"E		
PT (287)	4+40.41	616872.6591	1111816.023
POE (289)	4+63.49	616850.834	1111823.532
Tangential Direction:	S18°59'08"E		
Tangential Length:	23.08		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
270	271+70.00	18.14 LT
33	272+25.48	19.00 LT
34	274+54.42	19.00 LT
281	275+28.19	19.00 LT
35	275+28.19	65.00 LT
36	275+47.57	23.28 LT
37	275+37.25	45.50 LT
286	275+58.03	58.47 LT
38	275+24.09	37.30 LT
287	275+43.26	72.41 LT
289	275+23.00	83.47 LT

CURVE DATA
DAB REPORT FOR MG08

(POINT NO.)	STATION	NORTHING	EASTING
POB 290	0+00.00	616880.0682	1111786.1652
Tangential Direction:	N20°37'54"W		
Tangential Length:	3.41		
PC (39)	0+03.41	616883.2615	1111784.9629
PI ( )	0+31.12	616909.1915	1111775.2000
CC (40)		616903.6984	1111839.2430
Radius:	58		
Delta:	51°04'05" RT.		
Degree(Arc):	98°47'09"		
Length:	51.7		
Tangent:	27.71		
Chord:	50		
Middle Ordinate:	5.66		
External:	6.28		
Tangent Direction:	N20°37'54"W		
Tangent Direction:	N30°26'11"E		
PRC (296)	0+55.11	616933.0801	1111789.2359
PI ( )	0+83.60	616957.6495	1111803.6716
CC (41)		616953.3434	1111754.7482
Radius:	40		
Delta:	70°55'58" LT.		
Degree(Arc):	143°14'22"		
Length:	49.52		
Tangent:	28.5		
Chord:	46.42		
Middle Ordinate:	7.42		
External:	9.11		
Tangent Direction:	N30°26'11"E		
Tangent Direction:	N40°29'47"W		
PRC (42)	1+04.63	616979.3195	1111785.166
PI ( )	1+96.88	617049.468	1111725.261
CC (43)		617363.7389	1112235.32
Radius:	591.96		
Delta:	17°42'53" RT.		
Degree(Arc):	9°40'44"		
Length:	183.02		
Tangent:	92.25		
Chord:	182.29		
Middle Ordinate:	7.06		
External:	7.14		
Tangent Direction:	N40°29'47"W		
Tangent Direction:	N22°46'55"W		
Element: Linear			
PT (44)	2+87.65	617134.5179	1111689.541
POE (45)	5+22.71	617351.2441	1111598.518
Tangential Direction:	N22°46'55"W		
Tangential Length:	235.06		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
290	275+69.56	87.09 LT
39	275+72.22	85.58 LT
40	275+47.03	33.83 LT
296	276+00.83	47.08 LT
41	276+35.79	59.00 LT
42	276+35.79	19.00 LT
43	278+12.94	572.96 RT
44	278+12.94	19.00 LT
45	280+48.00	19.00 LT

CURVE DATA
DAB REPORT FOR MG12

(POINT NO.)	STATION	NORTHING	EASTING
PC (375)	0+00.00	618655.9890	1111175.2297
PI ( )	0+59.77	618715.5598	1111180.0577
CC (58)		618595.4024	1111922.7785
PT (59)	1+19.28	618773.6141	1111194.2590
Radius:	750		
Delta:	9°06'44" RT		
Degree(Arc):	7°38'22"		
Length:	119.28		
Tangent:	59.77		
Chord:	119.15		
Middle Ordinate:	2.37		
External:	2.38		
Tangent Direction:	N4°38'01"E		
Tangent Direction:	N13°44'45"E		
POE (381)	1+35.32	618789.1971	1111198.0710
Tangential Direction:	N13°44'45"E		
Tangential Length:	16.04		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
375	294+21.97	15.00 LT
58	295+37.24	735.00 RT
59	295+38.90	15.00 LT
381	295+54.95	15.00 LT

CURVE DATA
DAB REPORT FOR MG11

(POINT NO.)	STATION	NORTHING	EASTING
PC (361)	0+00.00	618115.6001	1111290.2785
PI ( )	1+36.44	618243.6399	1111243.1383
CC (54)		619849.2998	1111599.2709
Radius:	5018		
Delta:	3°06'54" RT.		
Degree(Arc):	1°08'30"		
Length:	272.82		
Tangent:	136.44		
Chord:	272.78		
Middle Ordinate:	1.85		
External:	1.85		
Tangent Direction:	N20°12'44"W		
Tangent Direction:	N17°05'49"W		
PCC (55)	2+72.82	618374.0523	1111203.0256
PI ( )	3+15.26	618414.6160	1111190.5489
CC (56)		618595.4276	1111922.7491
PT (57)	3+57.61	618456.3247	1111182.7090
Radius:	753		
Delta:	6°27'06" RT.		
Degree(Arc):	7°36'32"		
Length:	84.79		
Tangent:	42.44		
Chord:	84.74		
Middle Ordinate:	1.19		
External:	1.19		
Tangent Direction:	N10°38'44"W		

ALIGNMENT CONTROL POINTS

POINT	STATION	OFFSET
361	288+71.40	18.00 LT
54	287+39.29	5.000 LT
55	291+43.24	18.00 LT
56	295+37.25	735.00 RT
57	292+26.00	18.00 LT

TERMINAL CURB TYPE 1 - 4 FT.

ALIGNMENT	POINT TO POINT	QTY.
MG00	100 TO 101	1
	102 TO 103	1
	104 TO 105	1
MG07	270 TO 271	1
MG07	273 TO 274	1
	288 TO 289	1
MG01	170 TO 171	1
	172 TO 173	1
	174 TO 175	1
MG02	176 TO 177	1
	178 TO 179	1
	180 TO 181	1
	182 TO 183	1
	184 TO 185	1
	187 TO 188	1
	189 TO 190	1
	193 TO 194	1
	195 TO 196	1
	197 TO 198	1
	201 TO 202	1
MG06	212 TO 213	1
	214 TO 215	1
MG03	220 TO 221	1
	224 TO 225	1
	226 TO 227	1
	230 TO 231	1
	232 TO 235	1
	233 TO 236	1
	234 TO 238	1
	237 TO 239	1
	248 TO 250	1
	249 TO 251	1
	252 TO 254	1
	253 TO 255	1
	256 TO 257	1
MG04	262 TO 263	1
	264 TO 265	1

CURB TYPE 5

ALIGNMENT	POINT TO POINT	LENGTH
MG11	801 TO 802	16.00

TYPE 1 TO TYPE 5 TRANSITIONS *

ALIGNMENT	POINT TO POINT	LENGTH
MG11	800 TO 801	8.00
	802 TO 803	8.00

* CURB TRANSITIONS TO BE PAID AS CURB TYPE 5

CURB TYPE 1

ALIGNMENT	POINT TO POINT	LENGTH
MG00	101 TO 102	94.81
	105 TO 106	24.35
	107 TO 116	64.74
	119 TO 120	80.85
	123 TO 124	4.00
	127 TO 128	4.83
	131 TO 132	9.88
	135 TO 136	48.45
	137 TO 138	84.71
	142 TO 143	62.13
	146 TO 147	34.00
	599 TO 157	64.04
MG01	169 TO 170	88.46
	173 TO 174	23.09
MG02	177 TO 178	108.86
	181 TO 182	16.91
	185 TO 600	11.03
	190 TO 191	111.90
	194 TO 195	60.37
	198 TO 199	13.26
	200 TO 201	34.75
MG06	204 TO 205	22.68
	208 TO 212	63.22
MG02	209 TO 400	33.99
	401 TO 216	34.00
MG06	215 TO 217	15.52
MG03	221 TO 222	10.78
	223 TO 224	40.96
	227 TO 228	9.94
	229 TO 230	10.00
	235 TO 234	5.37
	236 TO 237	5.24
	250 TO 252	4.00
	251 TO 253	4.00
	257 TO 258	11.75
MG04	261 TO 262	36.45
	265 TO 266	49.73
	267 TO 268	62.16
	268 TO 269	17.75
MG07	272 TO 273	210.00
	276 TO 277	24.18
	280 TO 281	56.18
	287 TO 288	19.08
MG08	299 TO 300	76.75
	303 TO 304	23.60
	307 TO 308	75.88
	312 TO 313	4.00
	316 TO 317	4.00
	320 TO 321	54.79
MG09	328 TO 329	125.94
	332 TO 333	14.78
	336 TO 337	5.40
MG10	340 TO 341	97.59
	342 TO 343	76.44
	346 TO 347	4.00
	350 TO 351	14.96
	354 TO 355	34.25
	403 TO 404	42.91
	406 TO 358	23.65
MG11	362 TO 800	34.00
	803 TO 363	18.10
	366 TO 367	13.67
	370 TO 371	47.50
	372 TO 382	43.72
	383 TO 384	27.37
	701 TO 702	51.32
MG12	376 TO 377	40.77
	378 TO 379	29.95
	380 TO 381	48.60

CURB TYPE 1 - CIRCULAR

ALIGNMENT	POINT TO POINT	RADIUS	LENGTH
MG07	281 TO 282	46.0'	20.76
	283 TO 601	24.5'	15.16
	602 TO 284	24.5'	4.88
	285 TO 286	24.5'	8.70
	286 TO 287	40.0'	20.55
MG08	291 TO 292	58.0'	4.00
	295 TO 296	58.0'	7.11
	296 TO 297	40.0'	9.92
	298 TO 603	40.0'	9.41
	604 TO 299	40.0'	22.19
MG00	161 TO 165	30.0'	20.33
MG05	162 TO 163	26.0'	16.56
MG01	168 TO 169	30.0'	24.64
MG03	258 TO 500	15.0'	6.21
MG04	501 TO 261	15.0'	6.17

TERMINAL CURB TYPE 1 - 8 FT.

ALIGNMENT	POINT TO POINT	QTY.
MG00	116 TO 117	1
	118 TO 119	1
	120 TO 121	1
	122 TO 123	1
	124 TO 125	1
	126 TO 127	1
	128 TO 129	1
	130 TO 131	1
	132 TO 133	1
	134 TO 135	1
	138 TO 139	1
	140 TO 141	1
	143 TO 144	1
	145 TO 146	1
	147 TO 148	1
	149 TO 150	1
	596 TO 597	1
	598 TO 599	1
	157 TO 158	1
MG02	191 TO 192	1
MG06	203 TO 204	1
	205 TO 206	1
	206 TO 208	1
MG02	207 TO 209	1
	400 TO 210	1
	211 TO 401	1
	216 TO 218	1
MG06	217 TO 219	1
MG07	275 TO 276	1
	277 TO 278	1
	279 TO 280	1
MG08	300 TO 301	1
	302 TO 303	1
	304 TO 305	1
	306 TO 307	1
	309 TO 310	1
	311 TO 312	1
	313 TO 314	1
	315 TO 316	1
	317 TO 318	1
	319 TO 320	1
	321 TO 322	1
MG09	323 TO 324	1
	325 TO 326	1
	327 TO 328	1
	329 TO 330	1
	331 TO 332	1
	333 TO 334	1
	335 TO 336	1
	337 TO 338	1
MG10	339 TO 340	1
	343 TO 344	1
	345 TO 346	1
	347 TO 348	1
	349 TO 350	1
	351 TO 352	1
	353 TO 354	1
	355 TO 356	1
	402 TO 403	1
	404 TO 405	1
	357 TO 406	1
	359 TO 360	1
MG11	361 TO 362	1
	363 TO 364	1
	365 TO 366	1
	367 TO 368	1
	369 TO 370	1
	382 TO 373	1
	374 TO 383	1
	384 TO 385	1
	700 TO 701	1
MG12	375 TO 376	1

TERMINAL CURB TYPE 1-8 FT. CIRC.

ALIGNMENT	POINT TO POINT	RADIUS	QTY.
MG08	290 TO 291	58.0'	1
	292 TO 293	58.0'	1
	294 TO 295	58.0'	1

TERMINAL CURB TYPE 1-4 FT. CIRC.

ALIGNMENT	POINT TO POINT	RADIUS	QTY.
MG00	159 TO 161	30.0'	1
MG05	160 TO 162	26.0'	1
MG05	163 TO 164	26.0'	1
MG00	165 TO 166	30.0'	1
MG01	167 TO 168	30.0'	1
MG03	500 TO 259	15.0'	1
MG04	260 TO 501	15.0'	1

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOSTTELI — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
P.E. NUMBER 4226
DATE 1/12/2018

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	MSM	12/2017
CHECKED-REVIEWED	ALG	ALG	12/2017
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

GEOMETRIC CURB LAYOUT

SHEET NUMBER
21
OF 64

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GODSOE — 4226 — PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 4226

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN
DESIGN-DETAILED	MSM
CHECKED-REVIEWED	ALG
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	BY	DATE
REVISIONS 1	MSM	12/2017
REVISIONS 2	ALG	12/2017
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

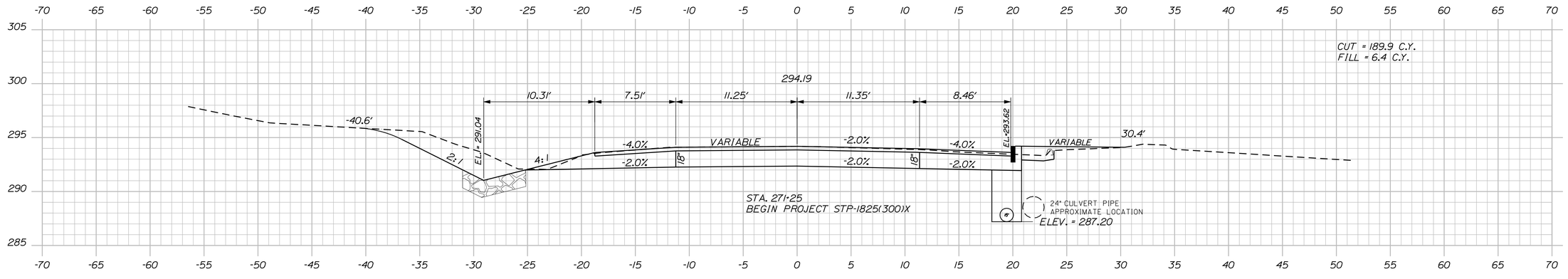
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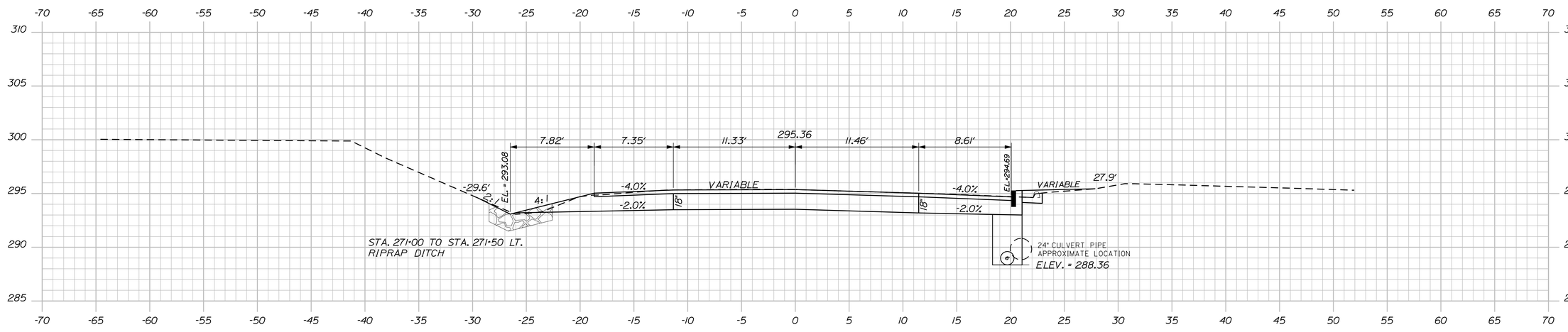
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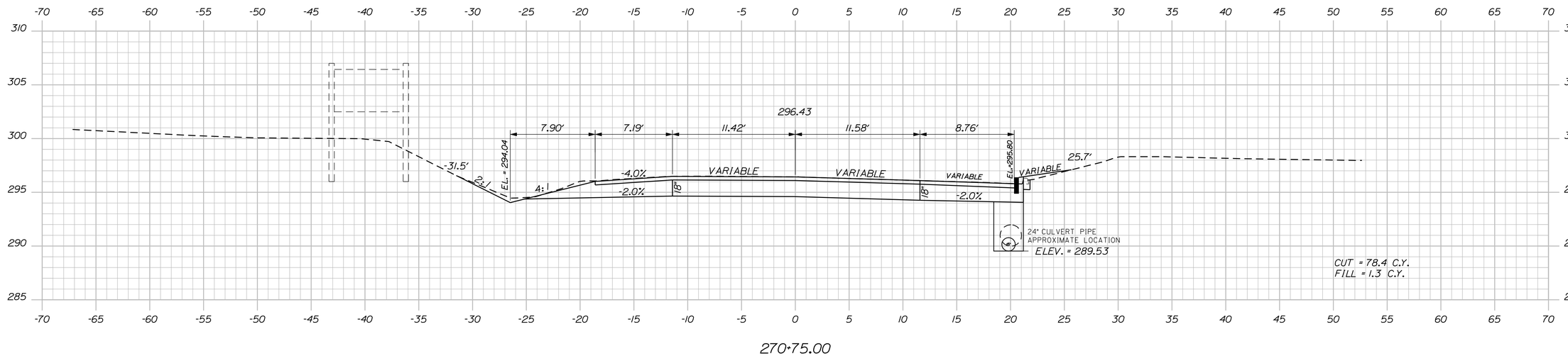
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271+25.00



271+00.00



270+75.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT T. GOSTYLA
3/12/18
PROFESSIONAL ENGINEER

	SIGNATURE	P.E. NUMBER	DATE
	4226		1/12/2018

	ERNIE MARTIN	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	MSM	MSM	12/2017
CHECKED-REVIEWED	ALG	ALG	12/2017
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
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FIELD CHANGES			

BELGRADE
ROUTE 27

CROSS SECTIONS

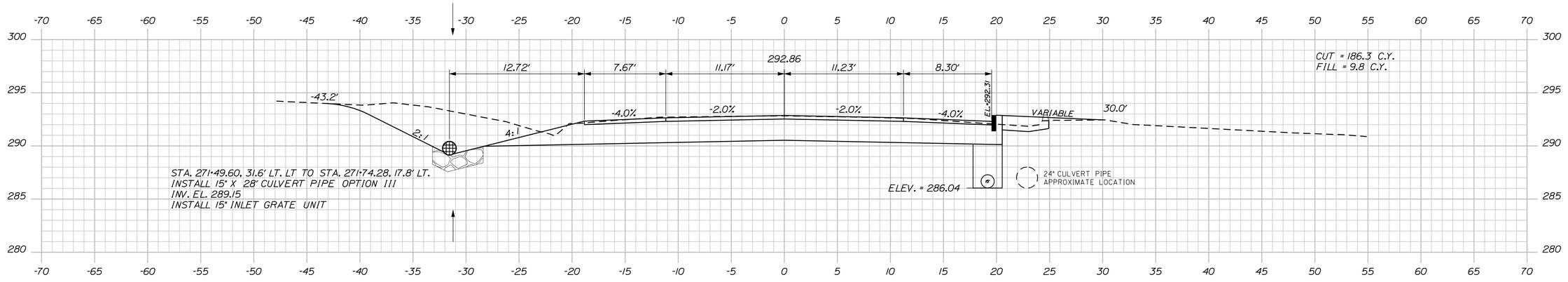
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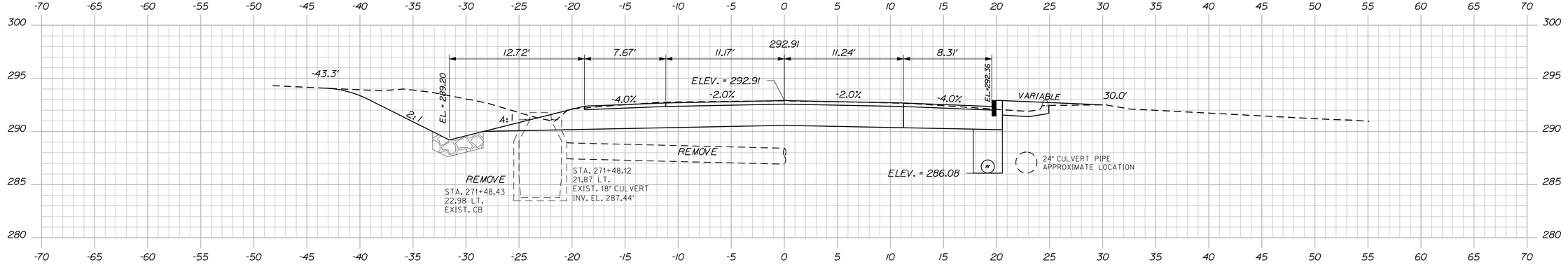
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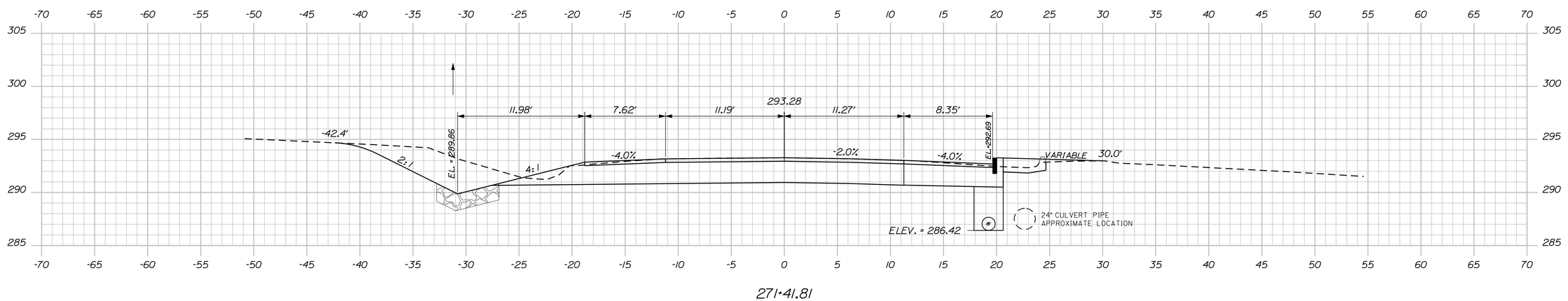
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271+50.00



271+49.00



271+41.81

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOSSETT — 4226 — REGISTERED PROFESSIONAL ENGINEER

	SIGNATURE
	4226
	P.E. NUMBER
	1/12/2018
	DATE

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

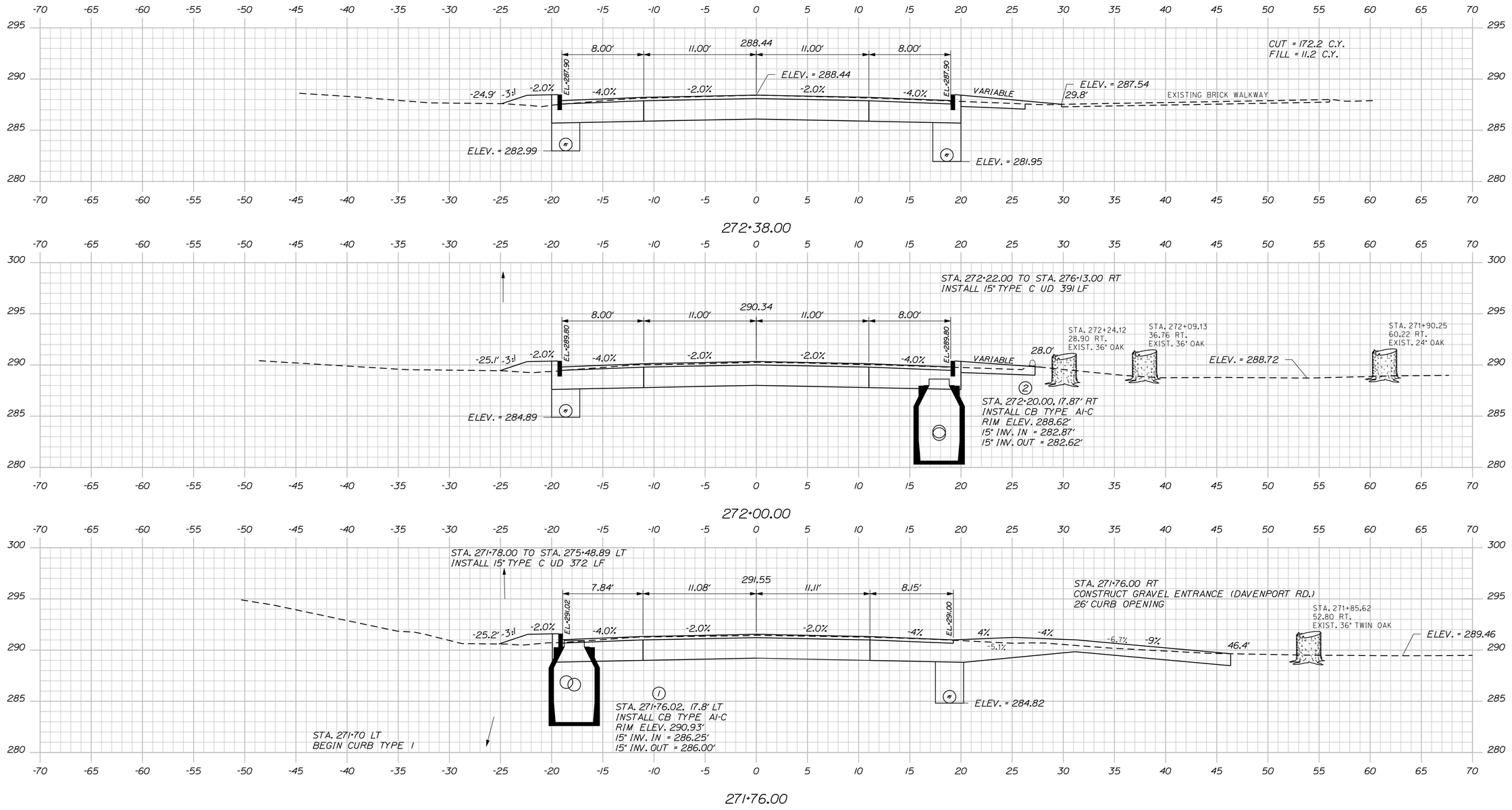
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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

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18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT I. GODFREY
3/1/2018
PROFESSIONAL ENGINEER

SIGNATURE	4226	
P.E. NUMBER		
1/12/2018		
DATE		

PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

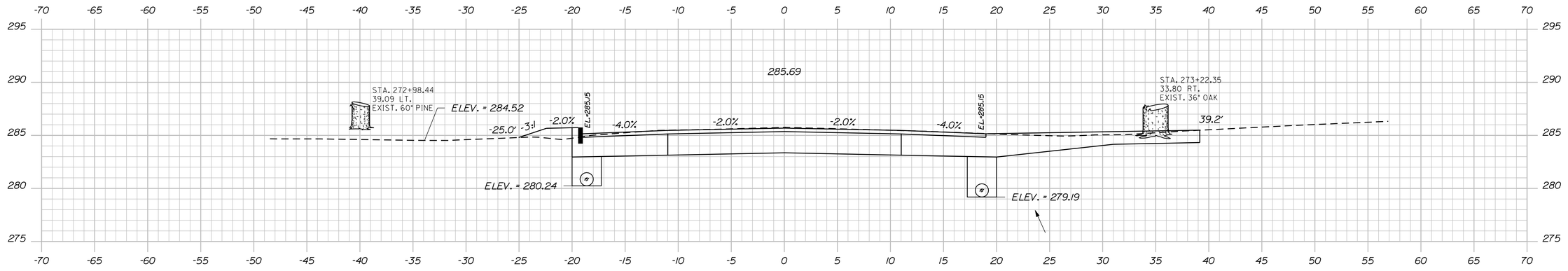
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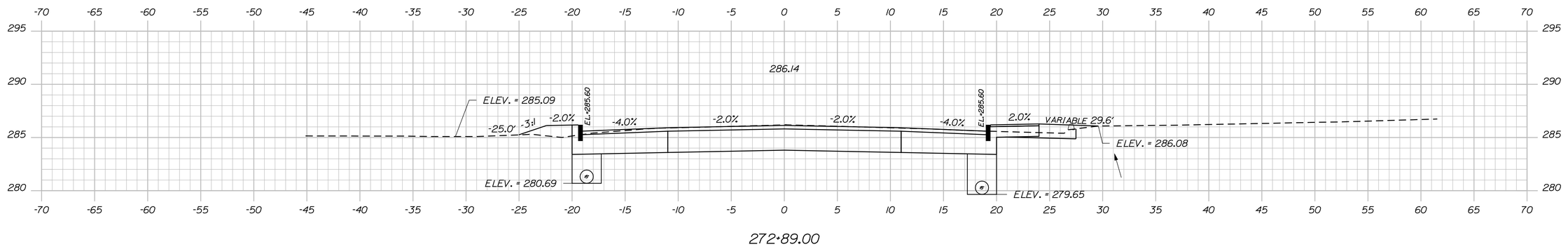
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Sta. 271+51.00 to Sta. 272+38.00

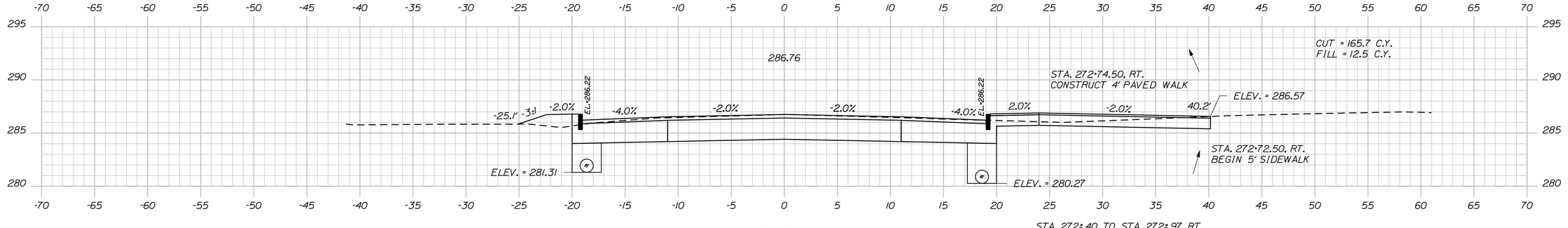
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273+00.00

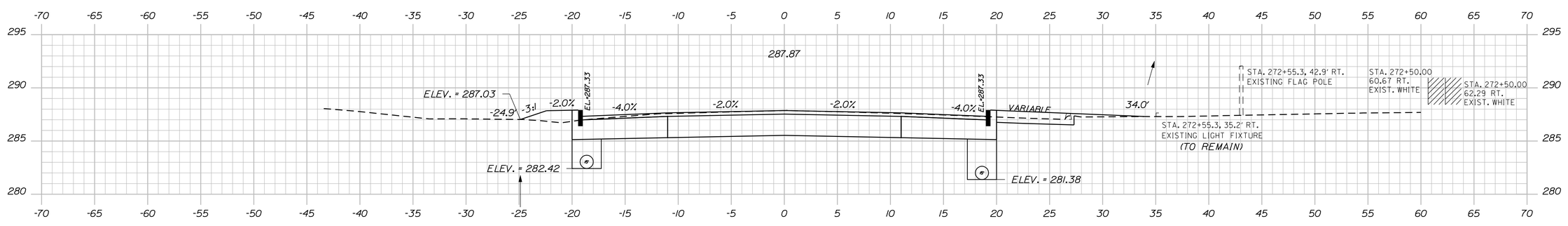


272+89.00



272+74.50

STA. 272± 40 TO STA. 272± 97 RT
GRADE AT TOE OF SLOPE TO DRAIN.



272+50.00

Sta. 272+50.00 to Sta. 273+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

ALBERT L. GODFREY JR. 4226 PROFESSIONAL ENGINEER STATE OF MAINE

SIGNATURE 4226

P.E. NUMBER

1/12/2018

DATE

	ERNIE MARTIN	DATE
PROJ. MANAGER		
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
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REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

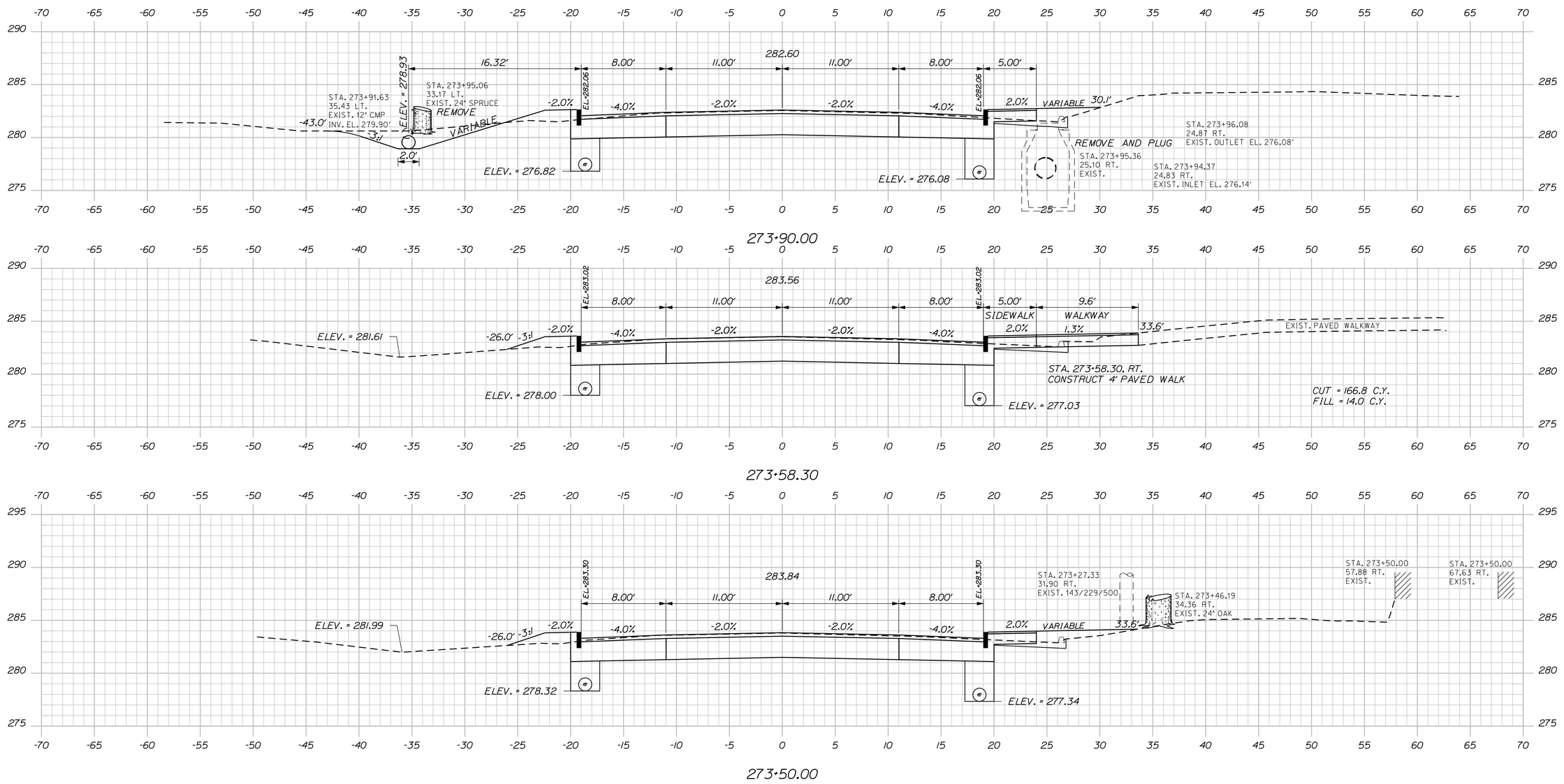
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26

OF 64

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSTYLA
3226
PROFESSIONAL ENGINEER

SIGNATURE
4226

P.E. NUMBER

1/12/2018
DATE

	BY	DATE
PROJ. MANAGER ERNIE MARTIN		
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

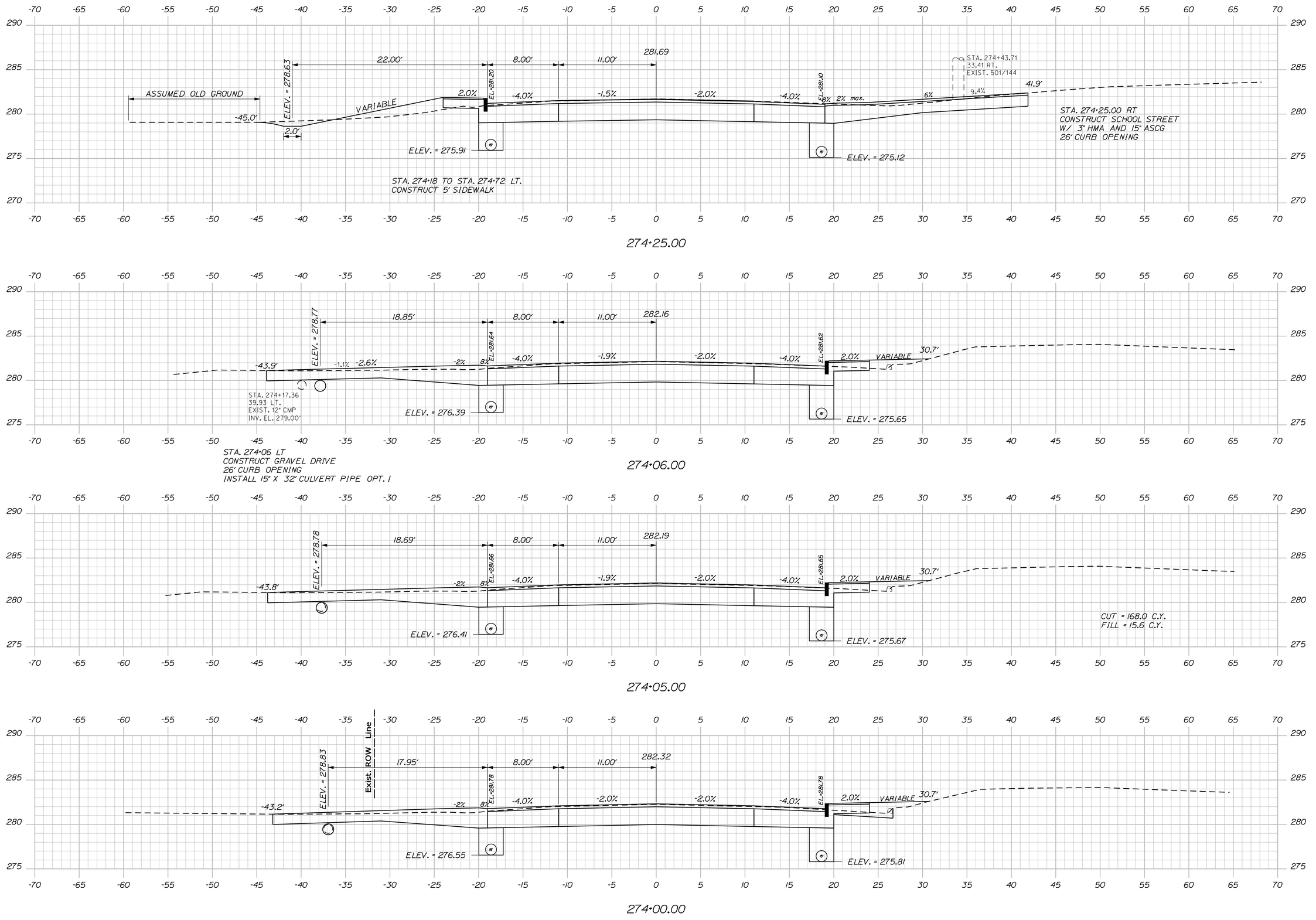
SHEET NUMBER

27

OF 64

Sta. 273+02.00 to Sta. 273+90.00

Filename: ...\msto\027_XSECT_273+02_004.dgn Division: HIGHWAY Username: morin Date:1/2/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT I. GOSTYLA
3/31/2018
PROFESSIONAL ENGINEER

SIGNATURE
4226

P.E. NUMBER

1/12/2018
DATE

	BY	DATE
PROJ. MANAGER ERNIE MARTIN		
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER

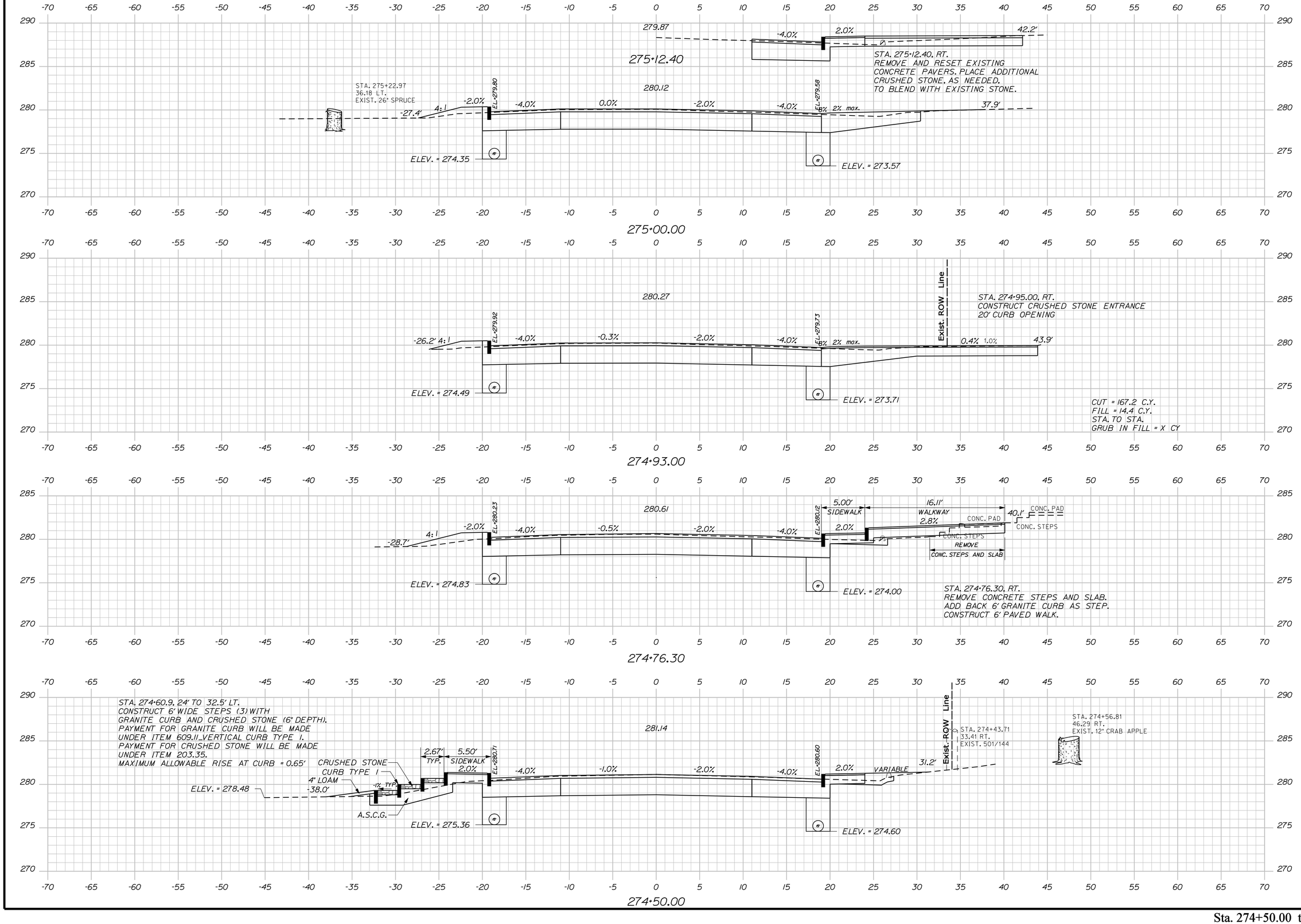
28

OF 64

Sta. 274+00.00 to Sta. 274+25.00

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Filename: ...\msla\029_XSECT_274+50_006.dgn Division: HIGHWAY Username: morin Date:1/2/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOSTKOWSKI — 4226 — REGISTERED PROFESSIONAL ENGINEER

	SIGNATURE	P.E. NUMBER	DATE
	4226		1/12/2018

PROJ. MANAGER	ERNIE MARTIN	DATE
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

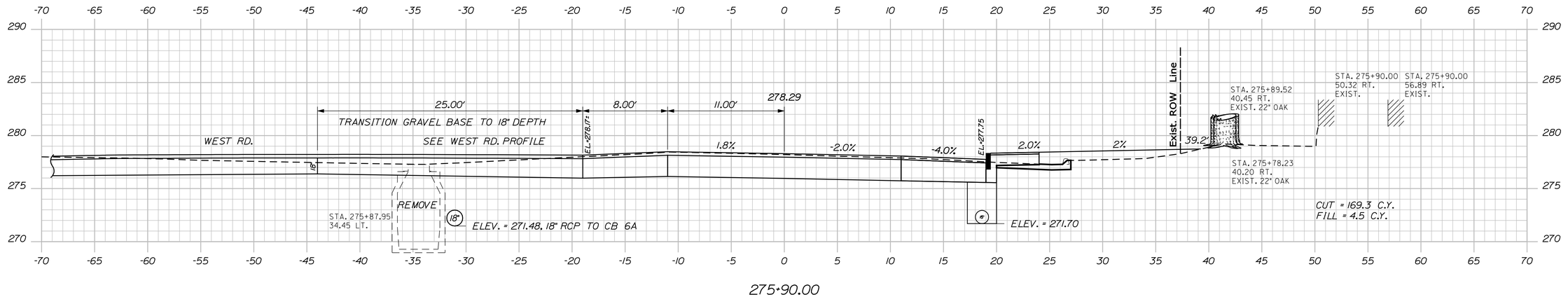
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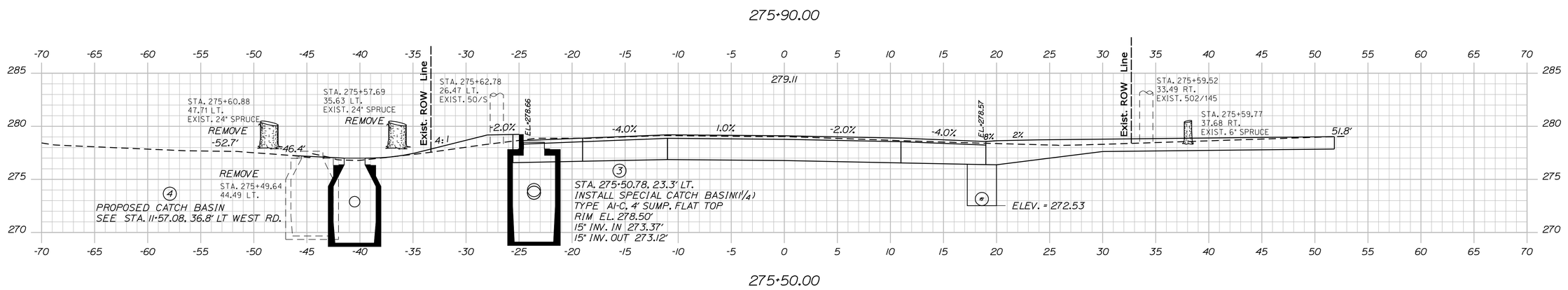
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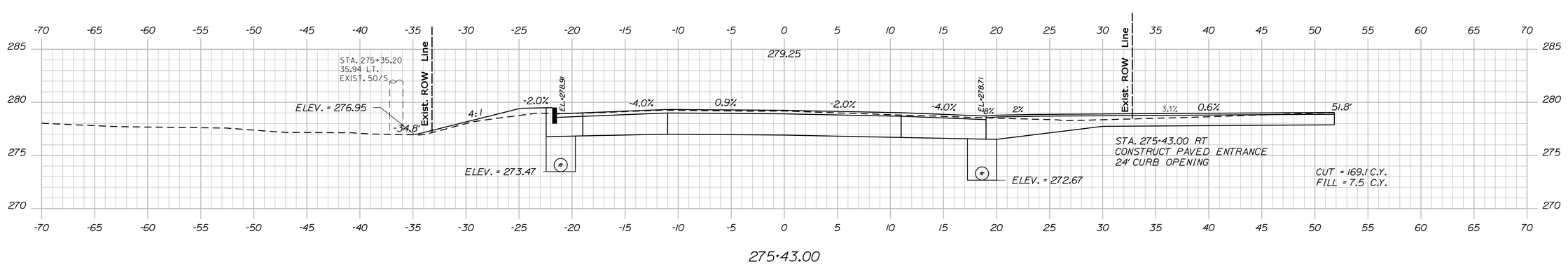
OF 64

Sta. 274+50.00 to Sta. 275+00.00

Filename: ...\mstoV030_XSECT_275+43_007.dgn Division: HIGHWAY Username: morin Date:1/2/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GOSTYLA — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER 4226

1/12/2018
DATE

	ERNIE MARTIN	DATE
PROJ. MANAGER		
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

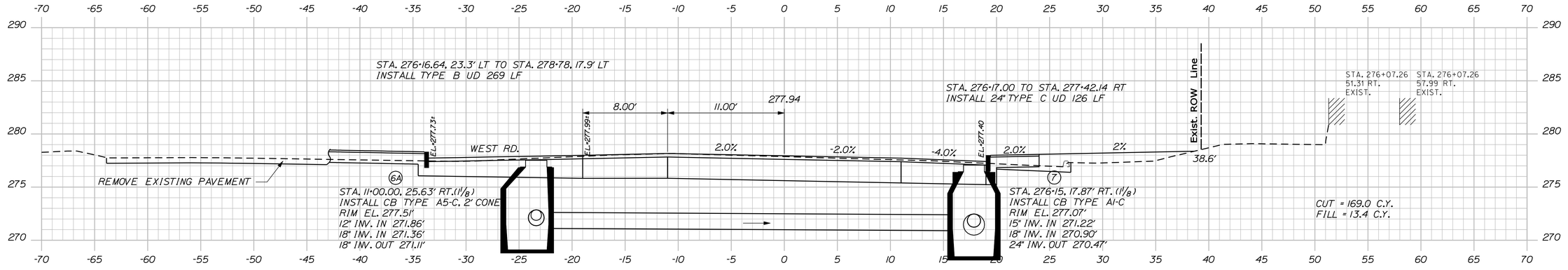
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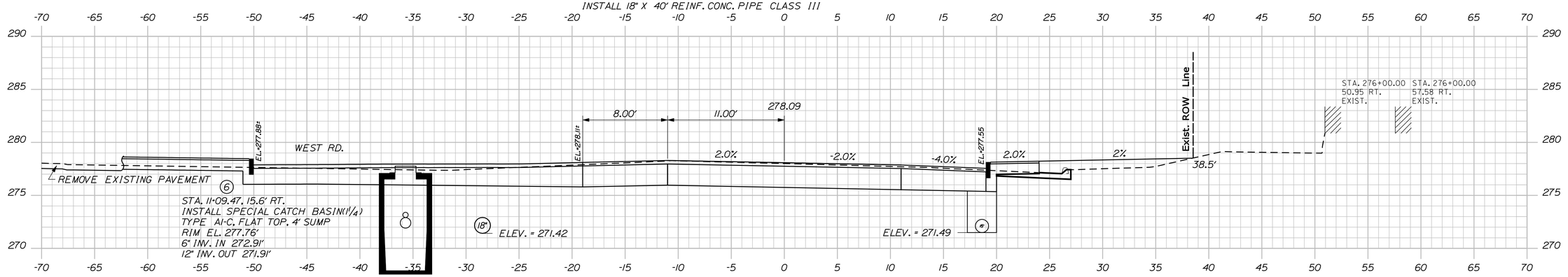
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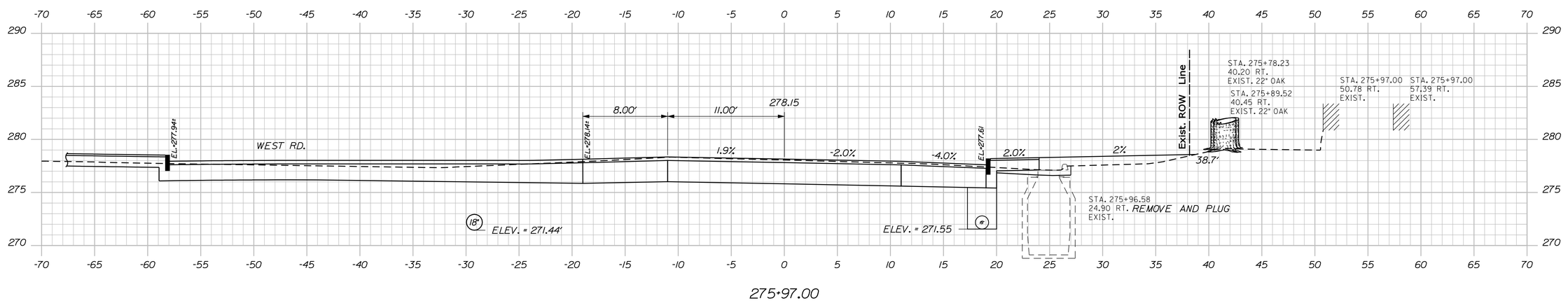
OF 64

Sta. 275+43.00 to Sta. 275+90.00

Filename: ...\mslo\031_XSECT_275+97_008.dgn Username: morin Division: HIGHWAY Date:1/2/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GODFREY — 12067 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226

P.E. NUMBER

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN	DATE
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

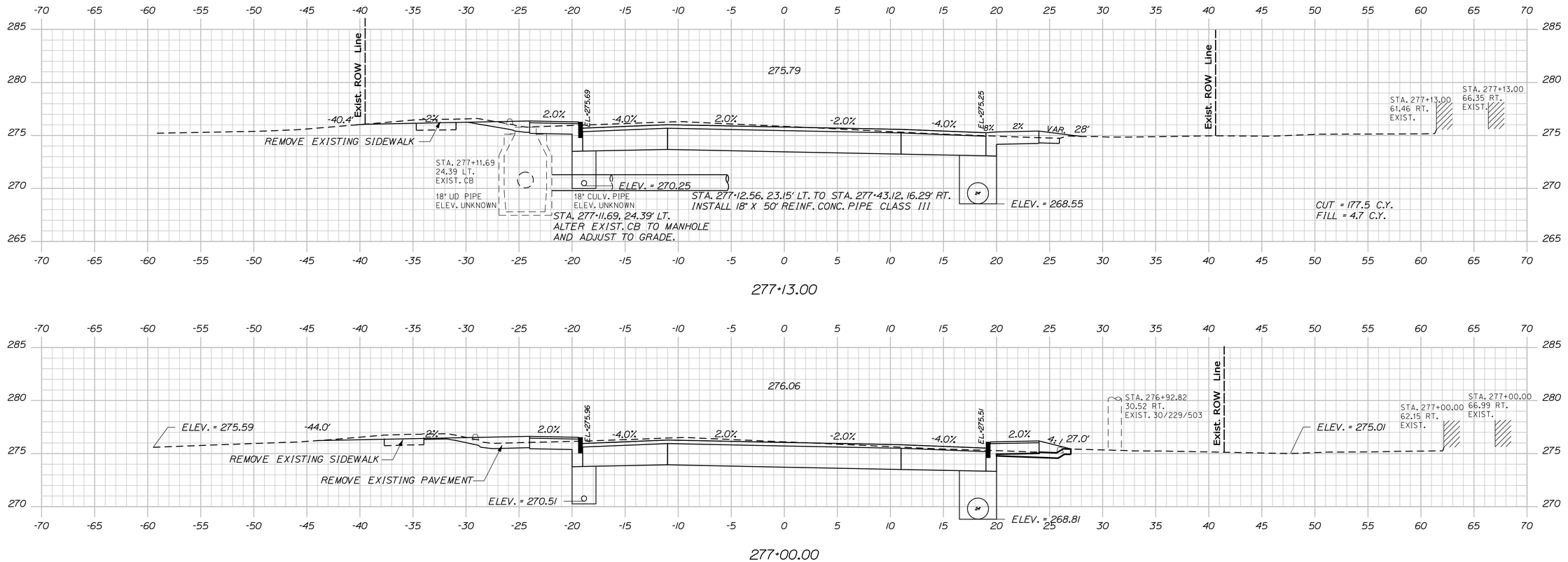
CROSS SECTIONS

SHEET NUMBER

31

OF 64

Sta. 275+97.00 to Sta. 276+07.26



Sta. 276+50.00 to Sta. 277+13.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT I. GOSTYLA
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER

1/12/2018
DATE

		BY	DATE
PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	MSM	12/2017
CHECKED-REVIEWED	ALG	ALG	12/2017
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER
32
OF 64

Filename: ...\msta\032_XSECT_276+50_009.dgn Division: HIGHWAY Username: morin Date:1/2/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSSELIN
2426
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226

P.E. NUMBER

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	12/2017	
CHECKED-REVIEWED	ALG	12/2017	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER

33

OF 64

Sta. 277+24.00 to Sta. 277+48.00

Filename: ...\msto\033_XSECT_277+24_010.dgn Division: HIGHWAY Username: morin Date:1/2/2018

Filename: ...\msla\034_XSECT_277+50_011.dgn Division: HIGHWAY Username: morin Date:1/2/2018

273.86

-2.0% -4.0% EL.273.32 2.0% 2.6% 38.5'

STA. 278+08.00, RT.
REMOVE CONCRETE STEPS AND SLABS.
CONSTRUCT 5' PAVED WALKWAY.
INSTALL 5' GRANITE CURB STEP 25' RT.

ELEV. = 266.48

CUT = 179.8 C.Y.
FILL = 0.6 C.Y.

278+08.00

STA. 277+96.10
48.40 LT.
EXIST. 36" ASH

Exist. ROW Line

STA. 277+99, 25' LT.
PROP. POLE

STA. 278+00.10
18.18 LT.
EXIST. 2/7/1/2

274.02

-25.0' VAR. 2.0% EL.273.81 -4.0% 1.0% -2.0% -4.0% EL.273.48 2.0% 4% 27.0'

Exist. ROW Line

STA. 278+17.10
30.32 RT.
EXIST. 14" TRIPLE MAPLE

STA. 278+00.00
44.69 RT.
EXIST.

STA. 278+00.00
50.62 RT.
EXIST.

ELEV. = 268.37

ELEV. = 266.64

278+00.00

Exist. ROW Line

274.33

-1% -35.8' 4% -2% -2.6% 8% EL.274.15 -4.0% 1.3% -2.0% -4.0% EL.273.79 2.0% VAR. 26.6'

Exist. ROW Line

STA. 277+96.87
44.31 RT.
EXIST.

STA. 277+85 LT
CONSTRUCT PAVED ENTRANCE
20' CURB OPENING

ELEV. = 268.71

ELEV. = 266.94

CUT = 177.2 C.Y.
FILL = 2.4 C.Y.

277+85.00

Exist. ROW Line

275.04

-28.8' VAR. 2.0% EL.274.94 -4.0% 2.0% -2.0% -4.0% EL.274.50 2.0% VAR. 27.9'

Exist. ROW Line

STA. 277+60.81
44.51 RT.
EXIST. 6" CRAB APPLE

REMOVE EXISTING SIDEWALK

ELEV. = 269.49

ELEV. = 267.64

277+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GOFFIN — 4226 — REGISTERED PROFESSIONAL ENGINEER

	SIGNATURE	P.E. NUMBER	DATE
	4226		1/12/2018

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

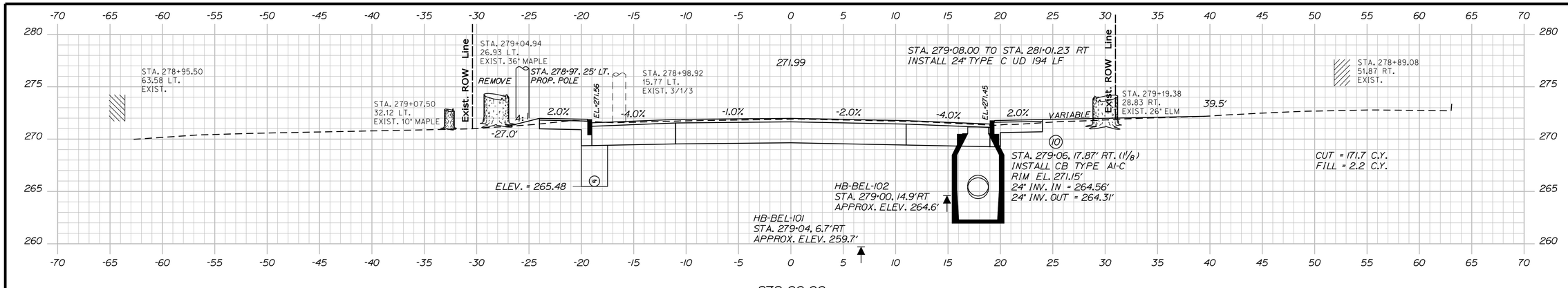
CROSS SECTIONS

SHEET NUMBER

34

OF 64

Sta. 277+50.00 to Sta. 278+08.00



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSSELIN
3476
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
1/12/2018
DATE

	ERNIE MARTIN	DATE
PROJ. MANAGER		
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

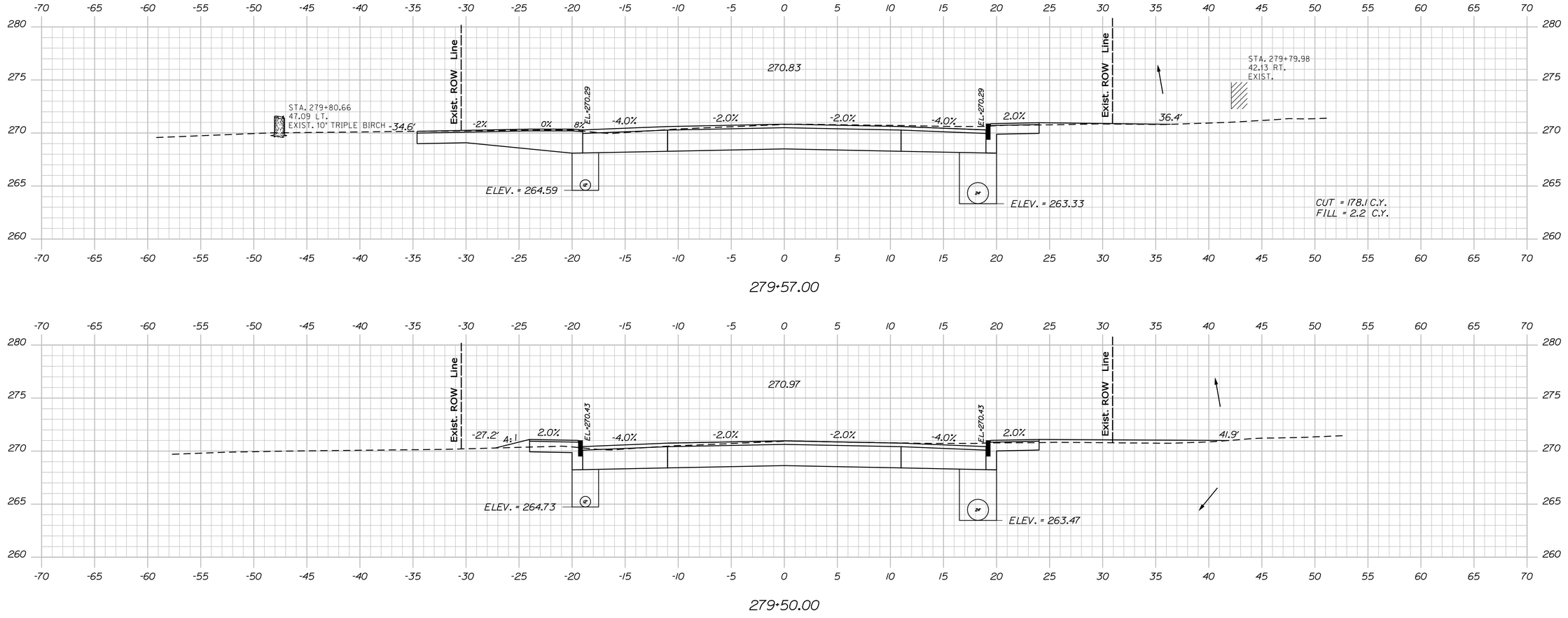
BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER
35
OF 64

Sta. 278+34.00 to Sta. 279+00.00

Filename: ...\msto\035_XSECT_278+34_012.dgn Division: HIGHWAY Username: morin Date:1/2/2018



Filename: ...\mslo\036_XSECT_279+27_013.dgn Division: HIGHWAY Username: morin Date:1/2/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSTYLA
3267
PROFESSIONAL ENGINEER

SIGNATURE
4226

P.E. NUMBER

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	12/2017	
CHECKED-REVIEWED	ALG	12/2017	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

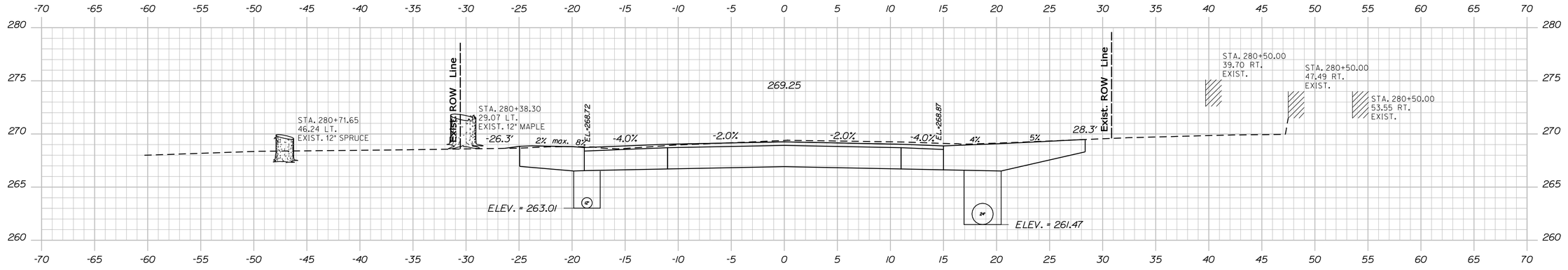
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SHEET NUMBER

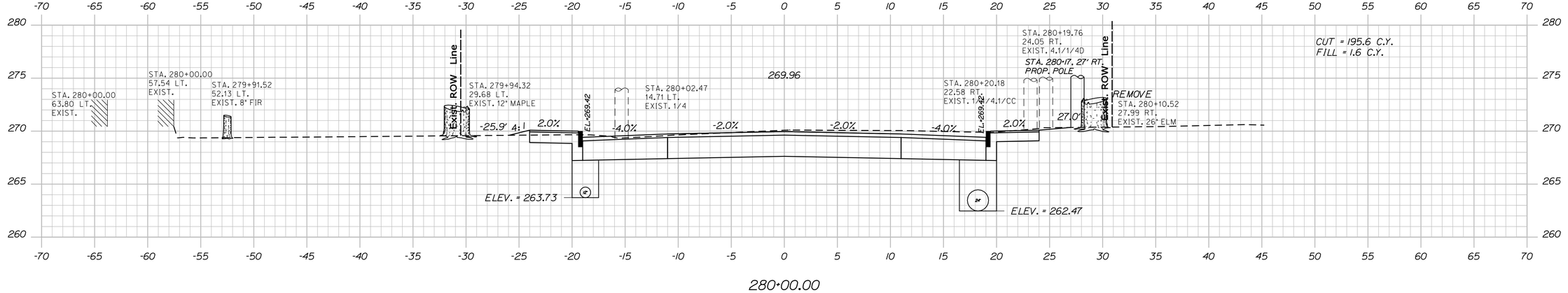
36

OF 64

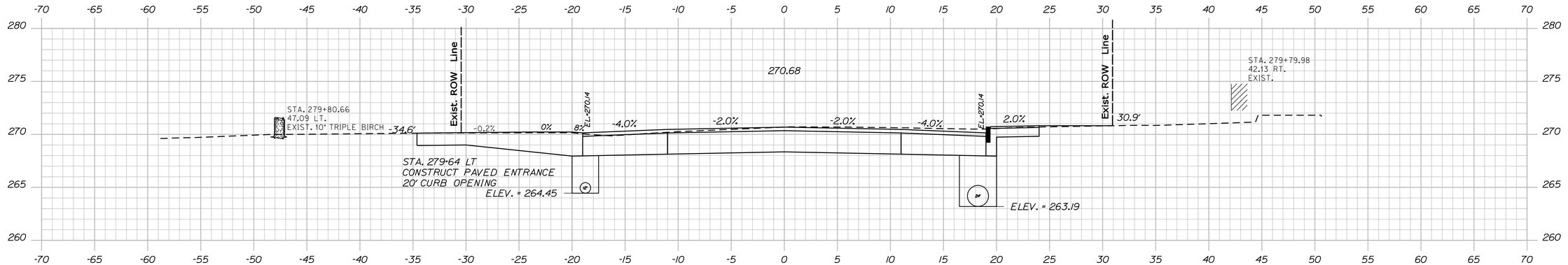
Sta. 279+27.00 to Sta. 279+57.00



280+50.00



280+00.00



279+64.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOFFIN — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN		
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CHECKED-REVIEWED	ALG	12/2017	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER

37

OF 64

Sta. 279+64.00 to Sta. 280+50.00

Filename: ...\mslo\037_XSECT_279+64_014.dgn Division: HIGHWAY Username: morin Date:1/2/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT I. GOLDTHWAIT
3426
PROFESSIONAL ENGINEER

	SIGNATURE	P.E. NUMBER	DATE
	4226		1/12/2018

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	MSM	12/2017
CHECKED-REVIEWED	ALG	ALG	12/2017
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER

38

OF 64

Sta. 280+57.00 to Sta. 281+00.00

Filename: ...\mslo\038_XSECT_280+57_015.dgn Division: HIGHWAY Username: morin Date:1/2/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSSELIN
3/1/2018
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
1/12/2018
DATE

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

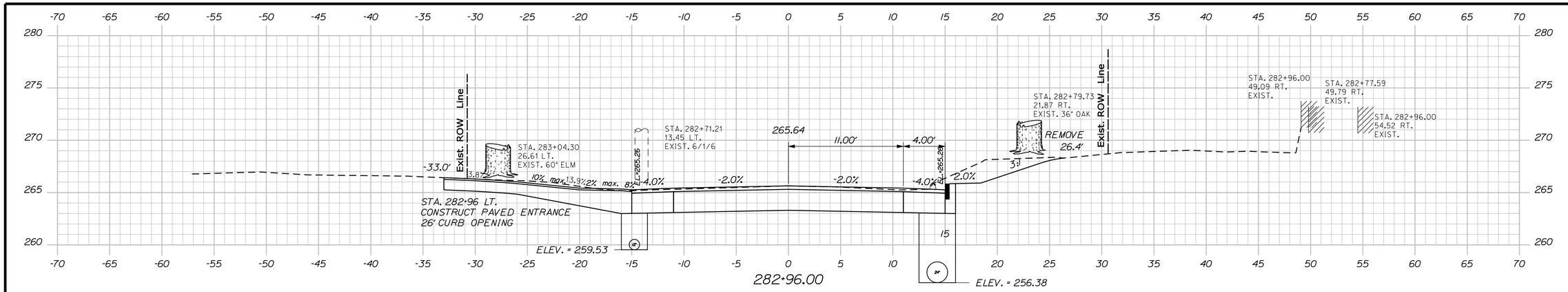
BELGRADE
ROUTE 27

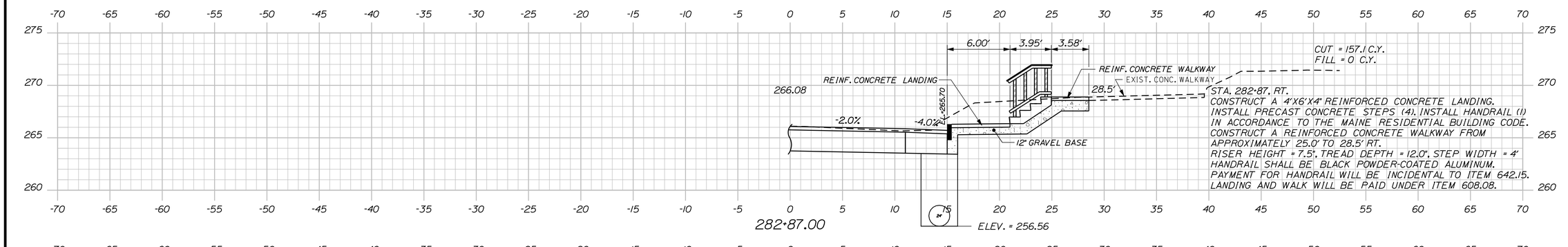
CROSS SECTIONS

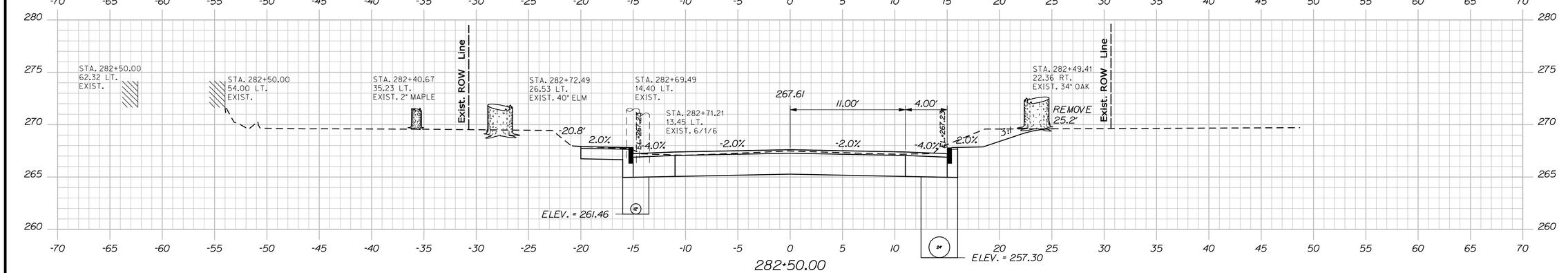
SHEET NUMBER
39
OF 64

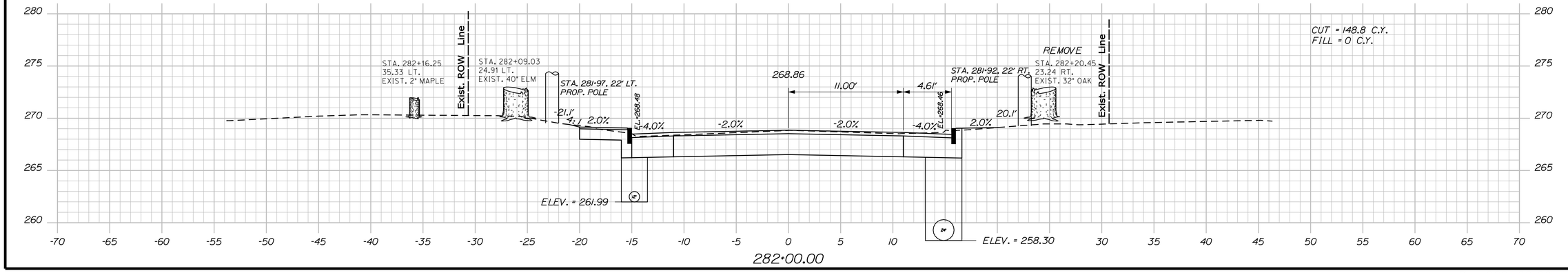
Sta. 281+03.00 to Sta. 281+67.00

Filename: ...\msto\039_XSECT_281+03_016.dgn Division: HIGHWAY Username: morin Date:1/2/2018









STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSSELIN
2226
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226

P.E. NUMBER

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN			
DESIGN-DETAILED	MSM	12/2017		
CHECKED-REVIEWED	ALG	12/2017		
DESIGN2-DETAILED2				
DESIGN3-DETAILED3				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER

40

OF 64

Sta. 282+00.00 to Sta. 282+96.00

Filename: ...\msto\040_XSECT_282+00_017.dgn Division: HIGHWAY Username: morin Date:1/2/2018

Filename: ...\mstoV041_XSECT_283+00_018.dgn Division: HIGHWAY Username: morin Date:1/2/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOSTYLA — 4226 — REGISTERED PROFESSIONAL ENGINEER

	SIGNATURE
	P.E. NUMBER
	1/12/2018 DATE

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

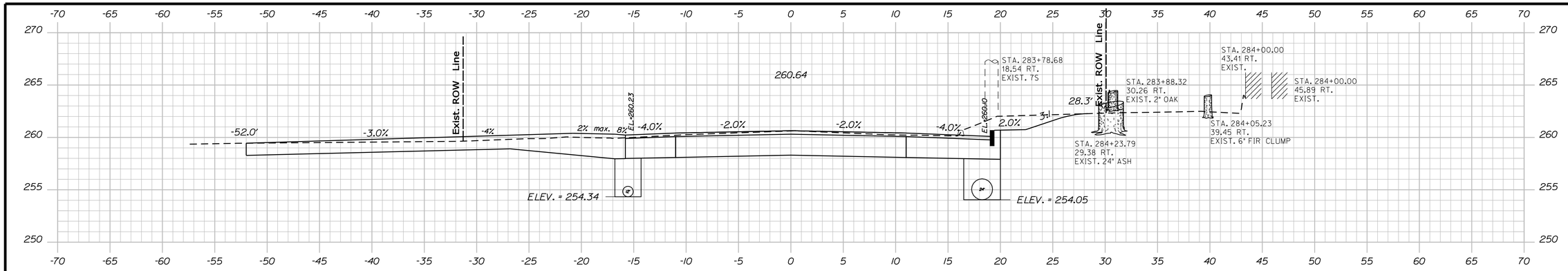
CROSS SECTIONS

SHEET NUMBER

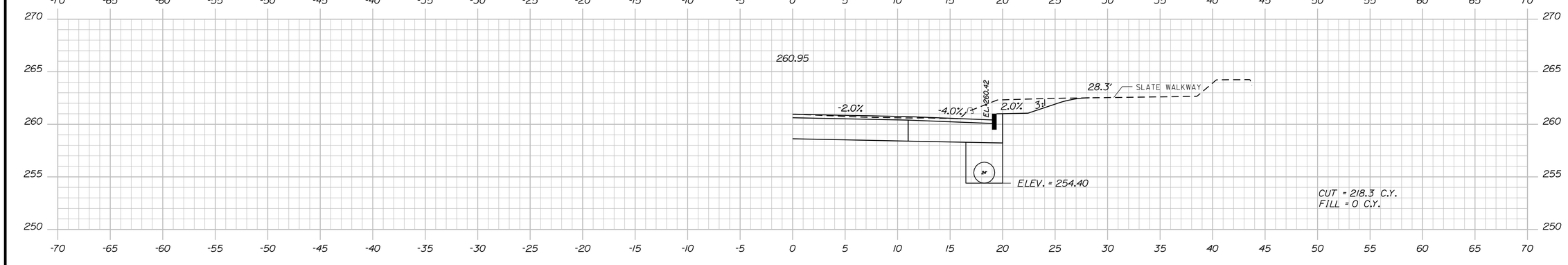
41

OF 64

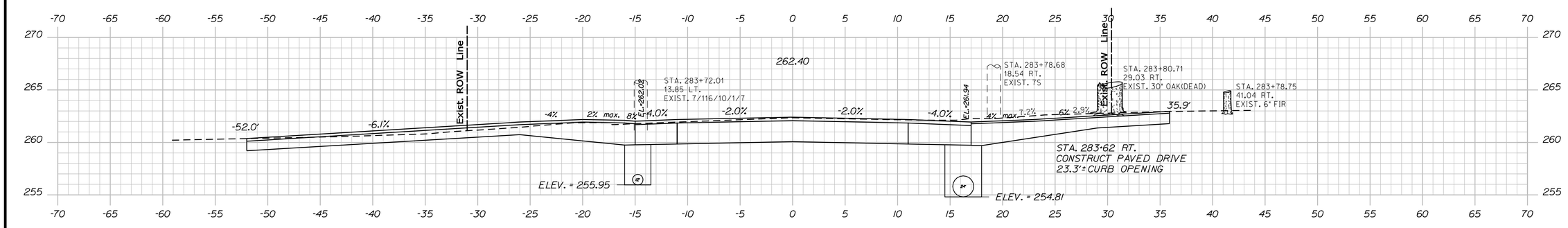
Sta. 283+00.00 to Sta. 283+50.00



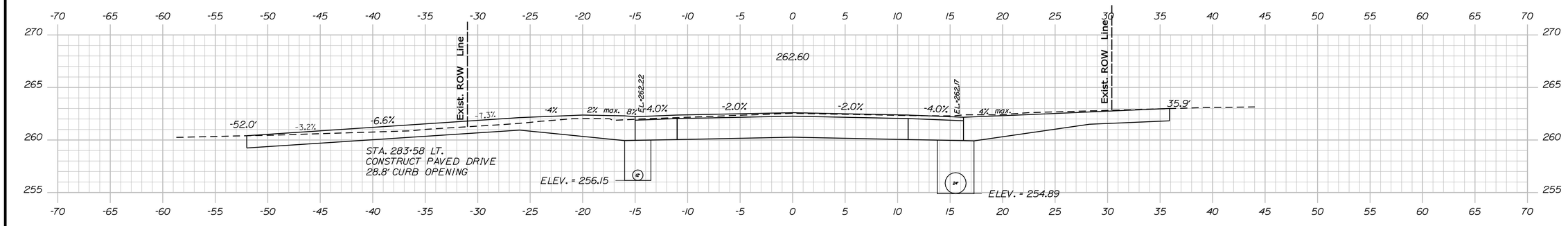
284+00.00



283+92.60



283+62.00



283+58.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE · ALBERT L. GODFREY · 4226 · REGISTERED PROFESSIONAL ENGINEER

SIGNATURE	P.E. NUMBER	DATE
4226		1/12/2018

PROJ. MANAGER	ERNIE MARTIN
DESIGN-DETAILED	MSM
CHECKED-REVIEWED	ALG
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	BY	DATE
REVISIONS 1	MSM	12/2017
REVISIONS 2	ALG	12/2017
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

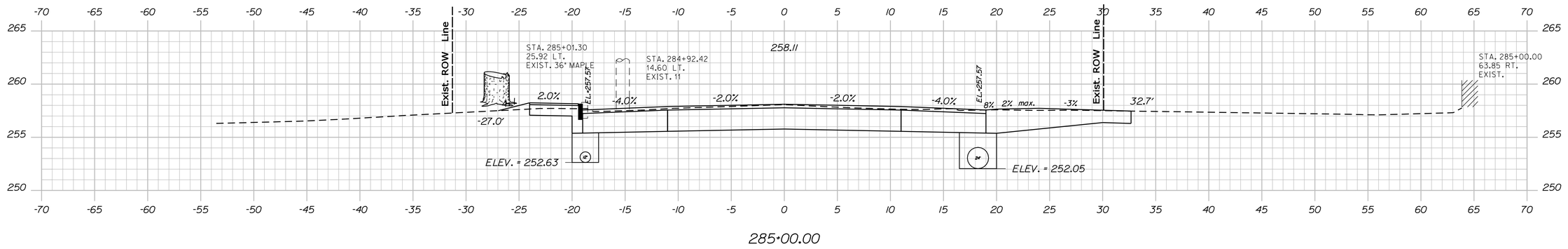
SHEET NUMBER

42

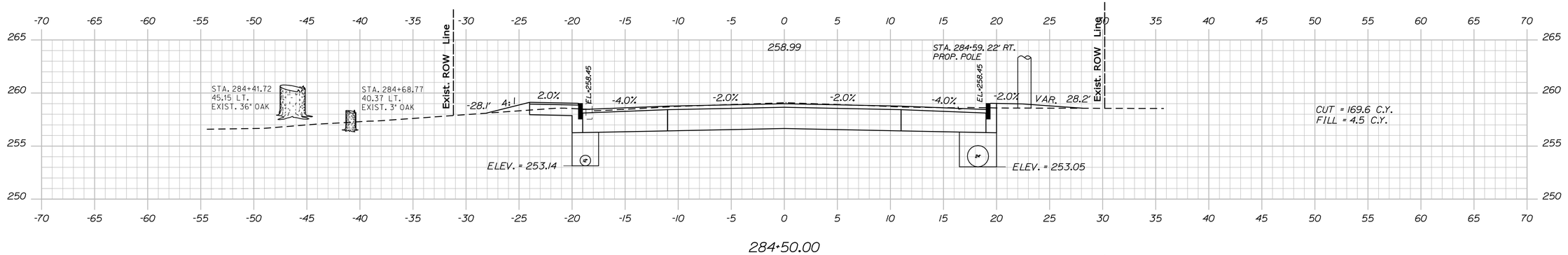
OF 64

Sta. 283+58.00 to Sta. 284+00.00

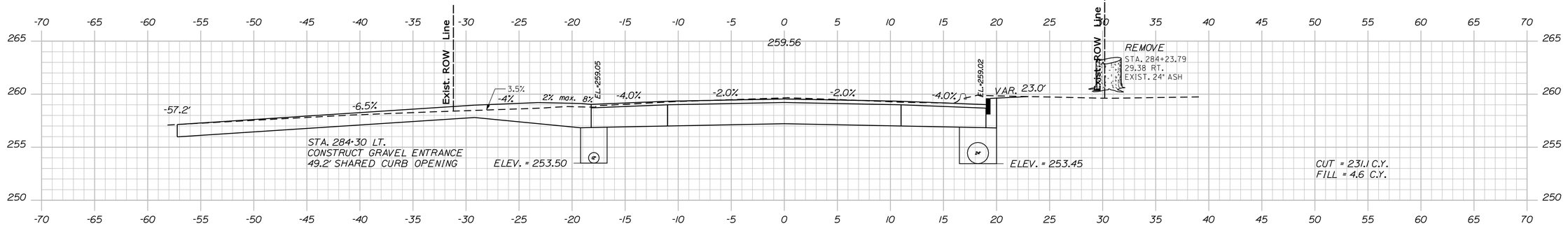
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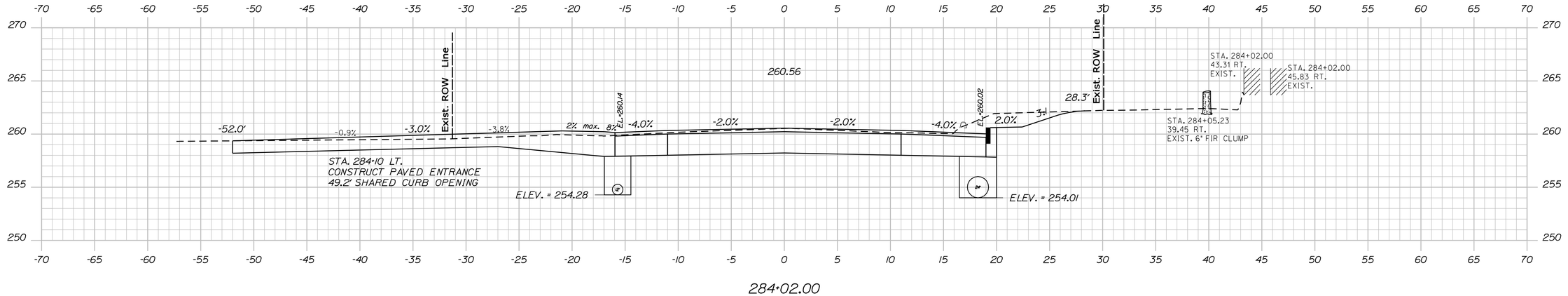
285+00.00



284+50.00



284+30.00



284+02.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOFFETTE — 11961 — REGISTERED PROFESSIONAL ENGINEER

	SIGNATURE
P.E. NUMBER	4226
DATE	1/12/2018

	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER

43

OF 64

Sta. 284+02.00 to Sta. 285+00.00

Filename: ...\msto\043_XSECT_284+02_020.dgn Division: HIGHWAY Username: morin Date:1/2/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOFFIN
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226

P.E. NUMBER

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

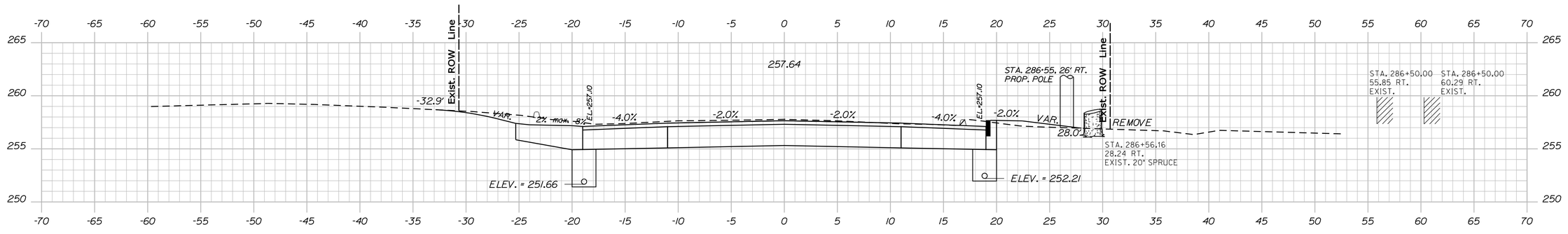
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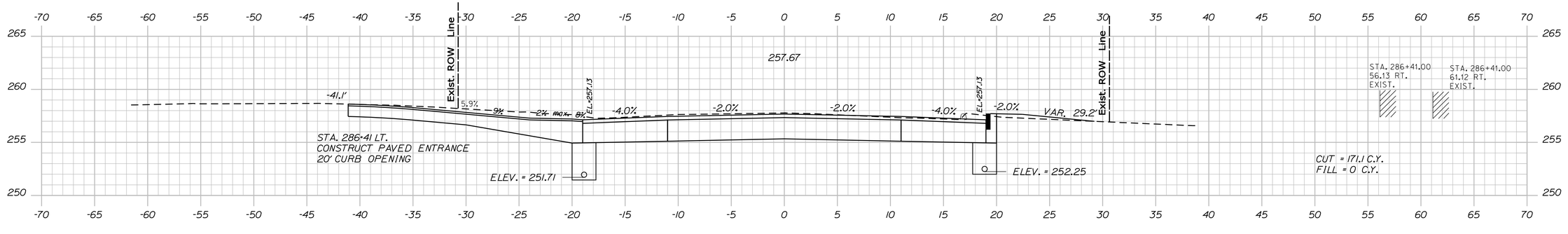
44

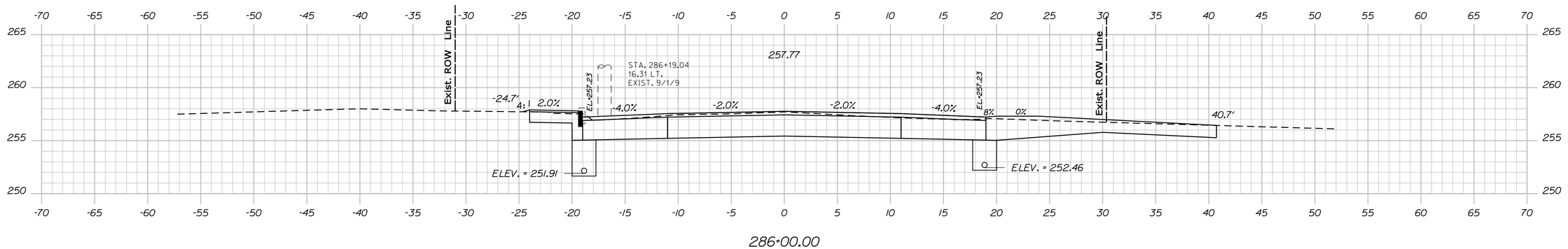
OF 64

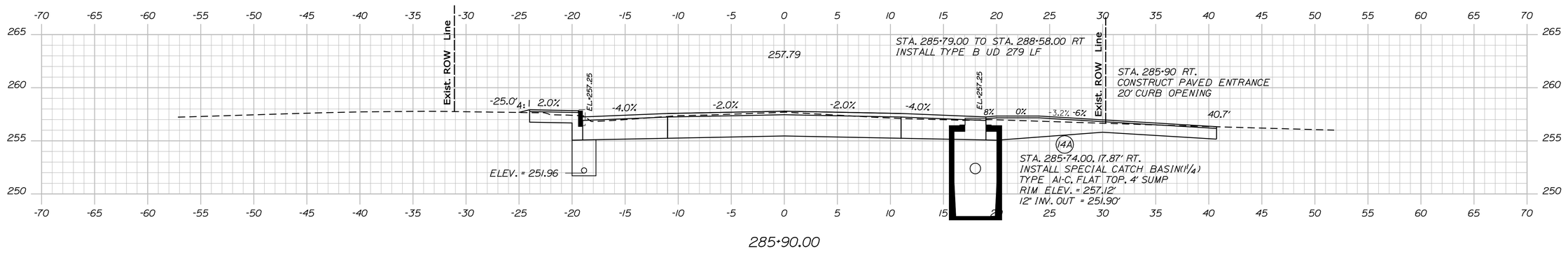
Sta. 285+01.00 to Sta. 285+63.00

Filename: ...\mstoV044_XSECT_285-01_021.dgn Division: HIGHWAY Username: morin Date:1/2/2018









STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GOLDFIELD — 10134 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226

P.E. NUMBER

1/12/2018
DATE

		DATE
BY		
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

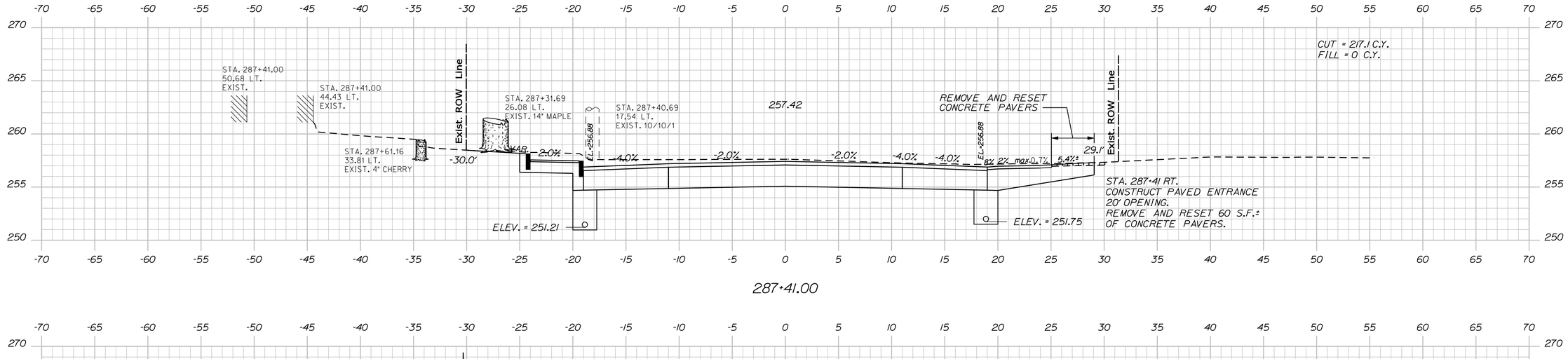
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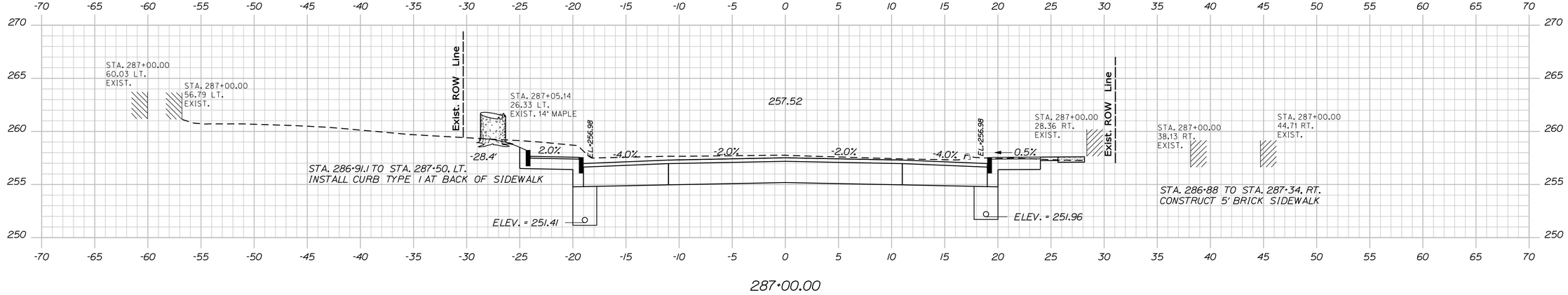
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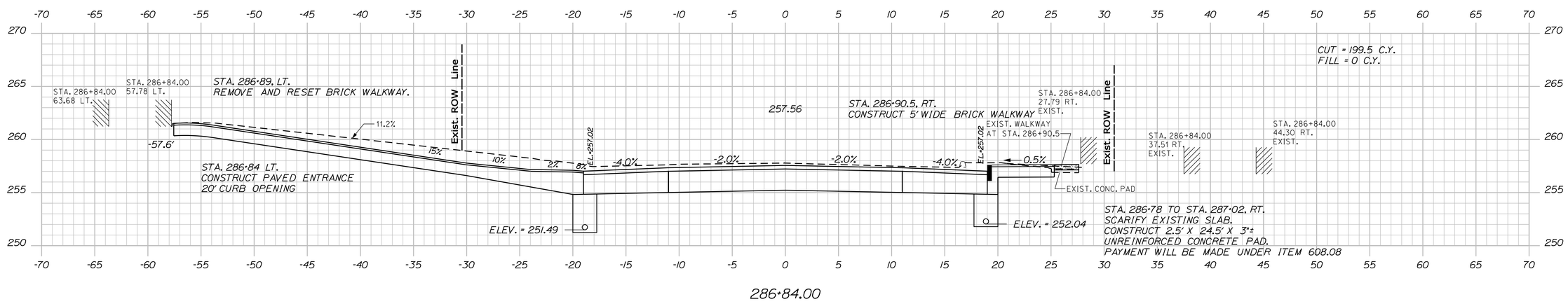
OF 64

Sta. 285+90.00 to Sta. 286+50.00

Filename: ...\msto\045_XSECT_285+90_022.dgn Division: HIGHWAY Username: morin Date:1/2/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GODFREY — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER

1/2/2018
DATE

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	12/2017	
CHECKED-REVIEWED	ALG	12/2017	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER

46

OF 64

Sta. 286+84.00 to Sta. 287+41.00

Filename: ...\mslo\046_XSECT_286+84_023.dgn Division: HIGHWAY Username: morin Date:1/2/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GOSSELIN — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE

P.E. NUMBER
4226

1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

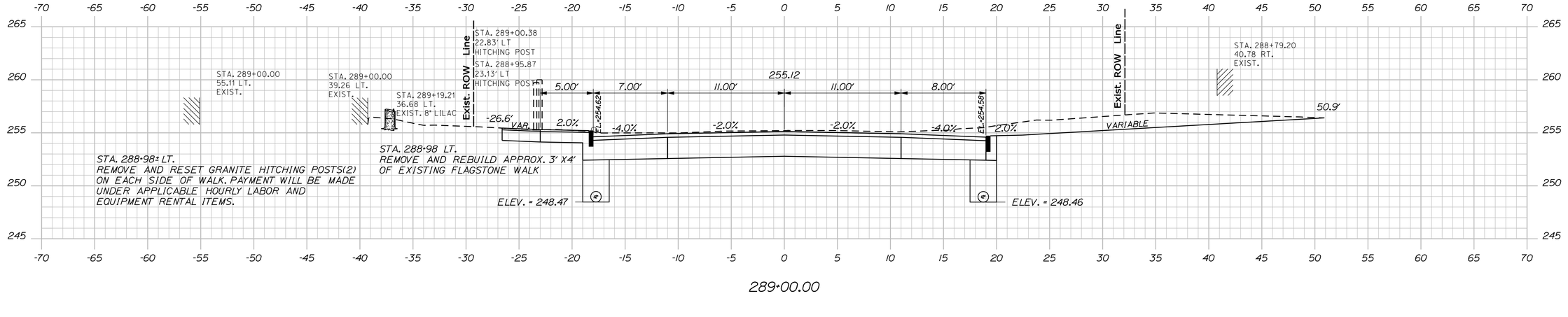
CROSS SECTIONS

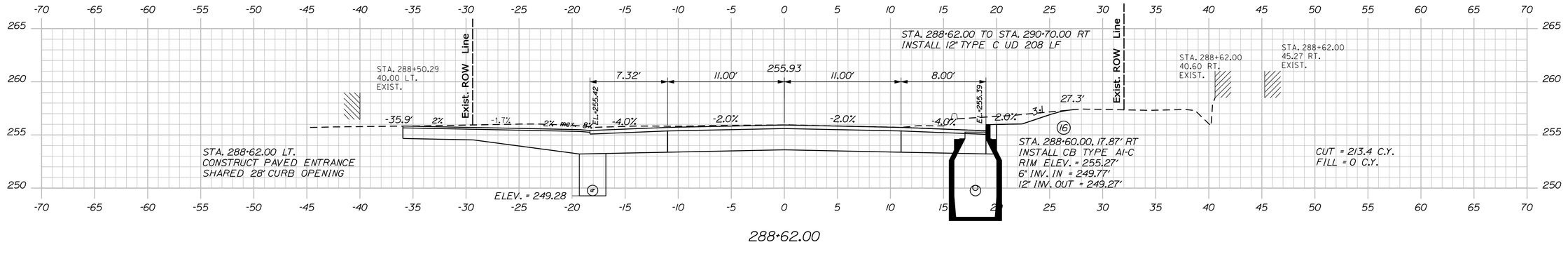
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47
OF 64

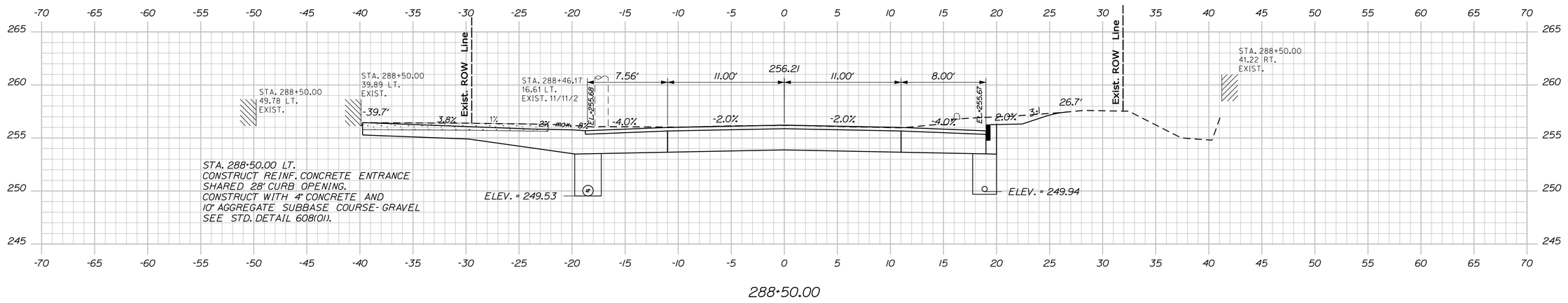
Sta. 287+50.00 to Sta. 288+30.00

Filename: ...\msta\047_XSECT_287+50_024.dgn Division: HIGHWAY Username: morin Date:1/2/2018

Filename: ...\mslo\048_XSECT_288+50_025.dgn Division: HIGHWAY Username: morin Date:1/2/2018







STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOLDTHWAIT — No. 4226 — REGISTERED PROFESSIONAL ENGINEER

	SIGNATURE
P.E. NUMBER	4226
DATE	1/12/2018

PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

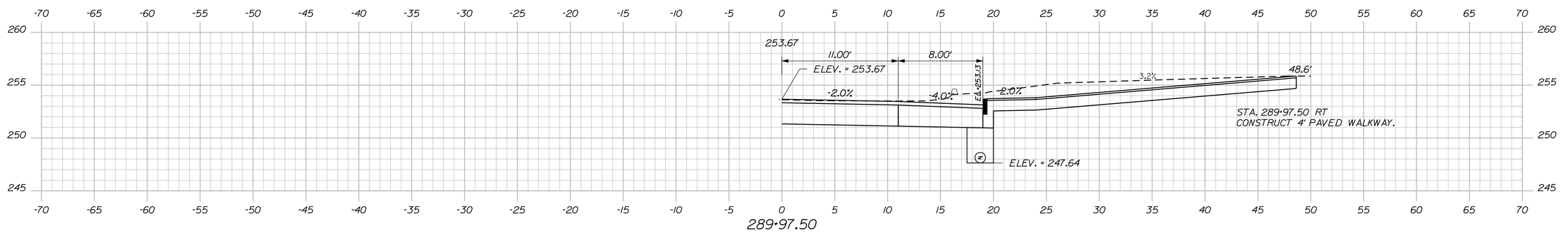
CROSS SECTIONS

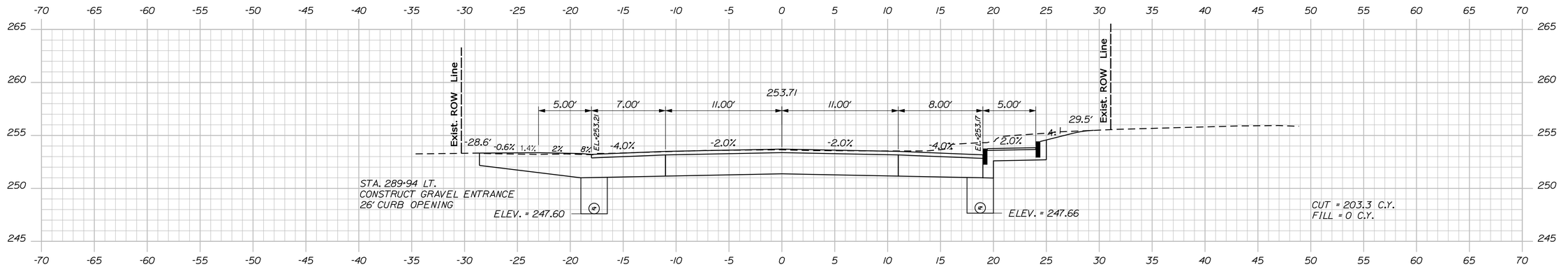
SHEET NUMBER

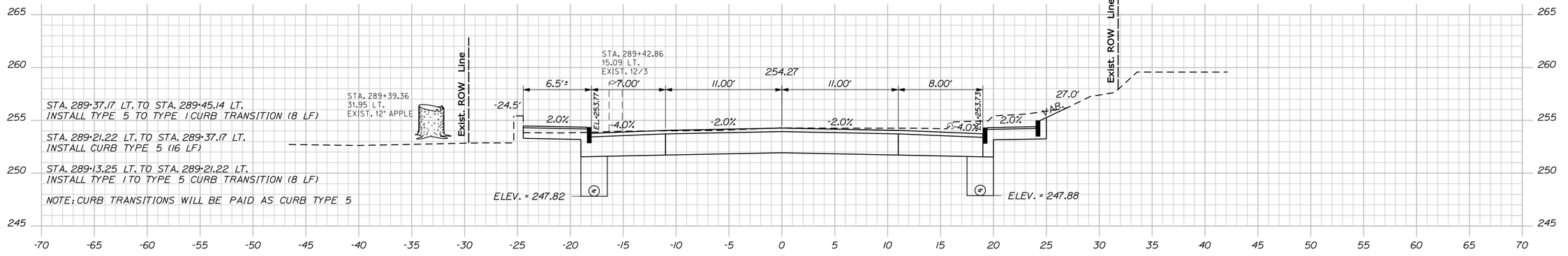
48

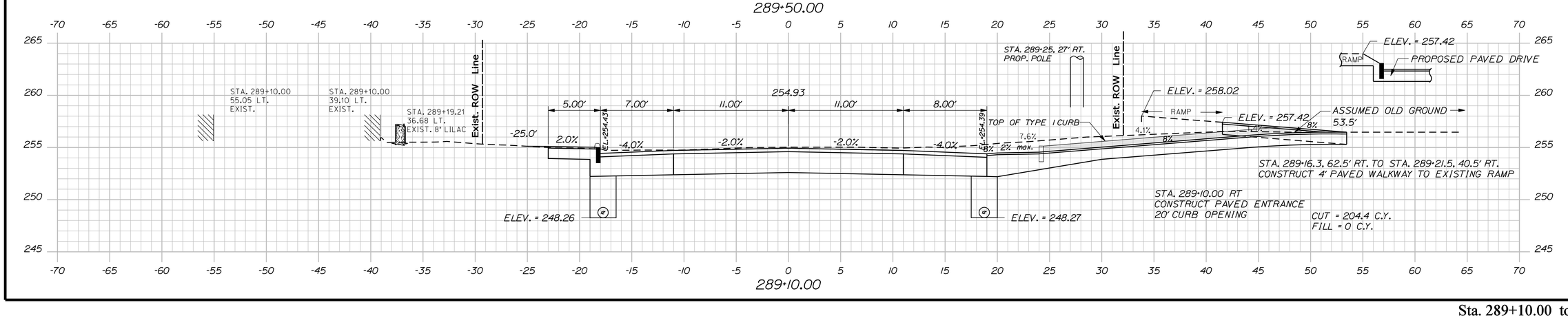
OF 64

Sta. 288+50.00 to Sta. 289+00.00









STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GOSTIN — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER

1/12/2018

DATE

PROJ. MANAGER	ERNIE MARTIN	BY	DATE
DESIGN-DETAILED	MSM	MSM	12/2017
CHECKED-REVIEWED	ALG	ALG	12/2017
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE ROUTE 27

CROSS SECTIONS

SHEET NUMBER

49

OF 64

Filename: ...\msto\049_XSECT_289+10_026.dgn Division: HIGHWAY Username: morin Date:1/2/2018

Sta. 289+10.00 to Sta. 289+97.50

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOFFIN — 4226 — REGISTERED PROFESSIONAL ENGINEER

	NAME	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE 4226

P.E. NUMBER

1/12/2018
DATE

BELGRADE
ROUTE 27

CROSS SECTIONS

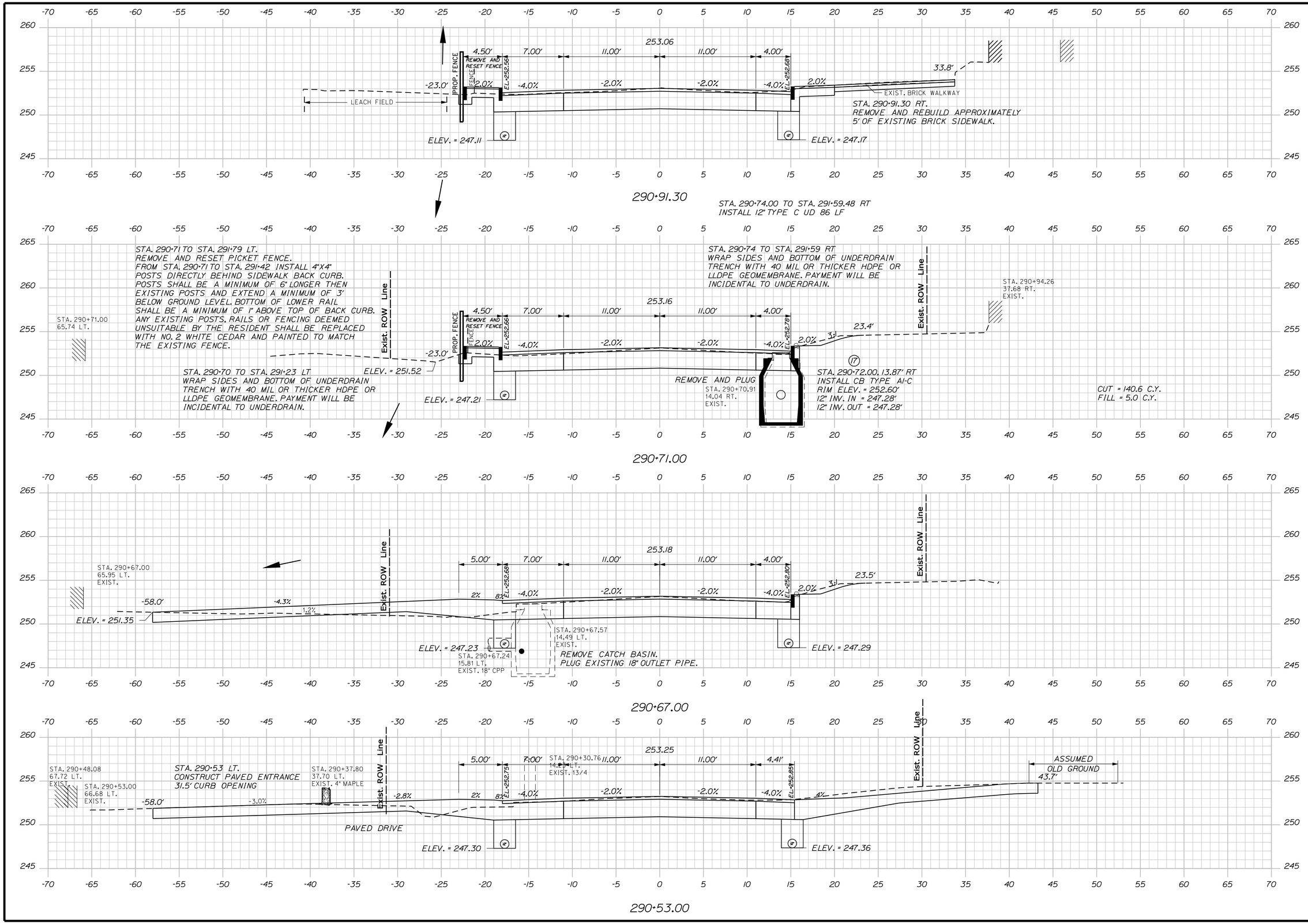
SHEET NUMBER

50

OF 64

Sta. 290+00.00 to Sta. 290+50.00

Filename: ...\mslo\050_XSECT_290-00_027.dgn Division: HIGHWAY Username: morin Date:1/2/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOSSELIN — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE	
P.E. NUMBER	4226
DATE	1/12/2018

PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER

51

OF 64

Sta. 290+53.00 to Sta. 290+91.30

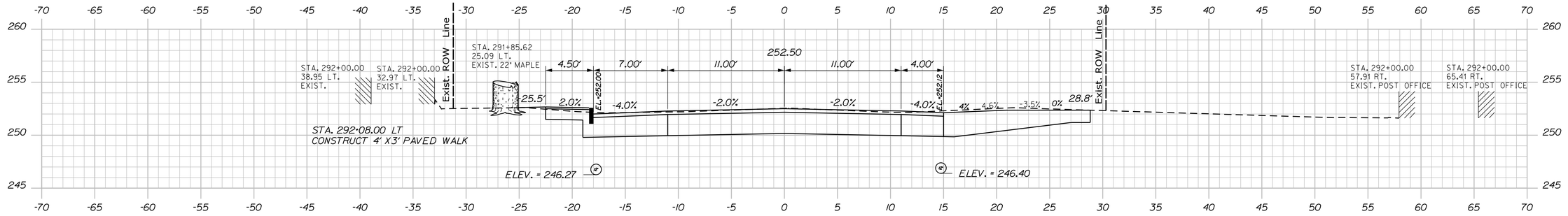
Date:1/2/2018

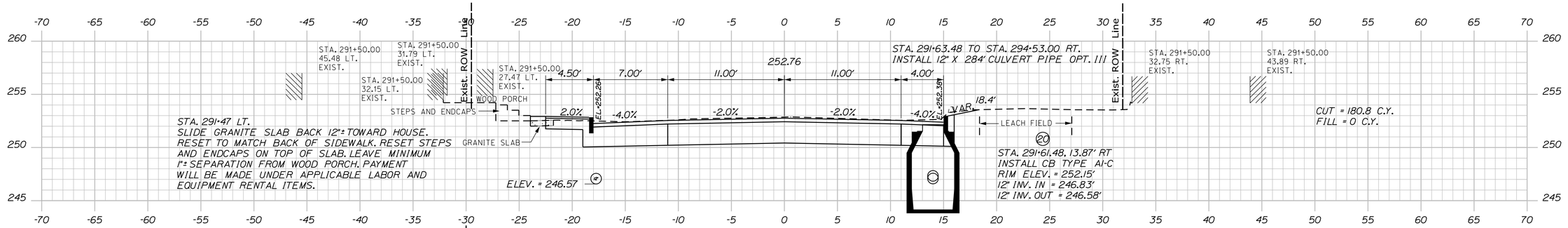
Username: morin

Division: HIGHWAY

Filename: ...\msto\051_XSECT_290+53_028.dgn

Filename: ...\052_XSECT_291+00_029.dgn Division: HIGHWAY Username: common Date:1/9/2018





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOSSELIN — 10116 — REGISTERED PROFESSIONAL ENGINEER

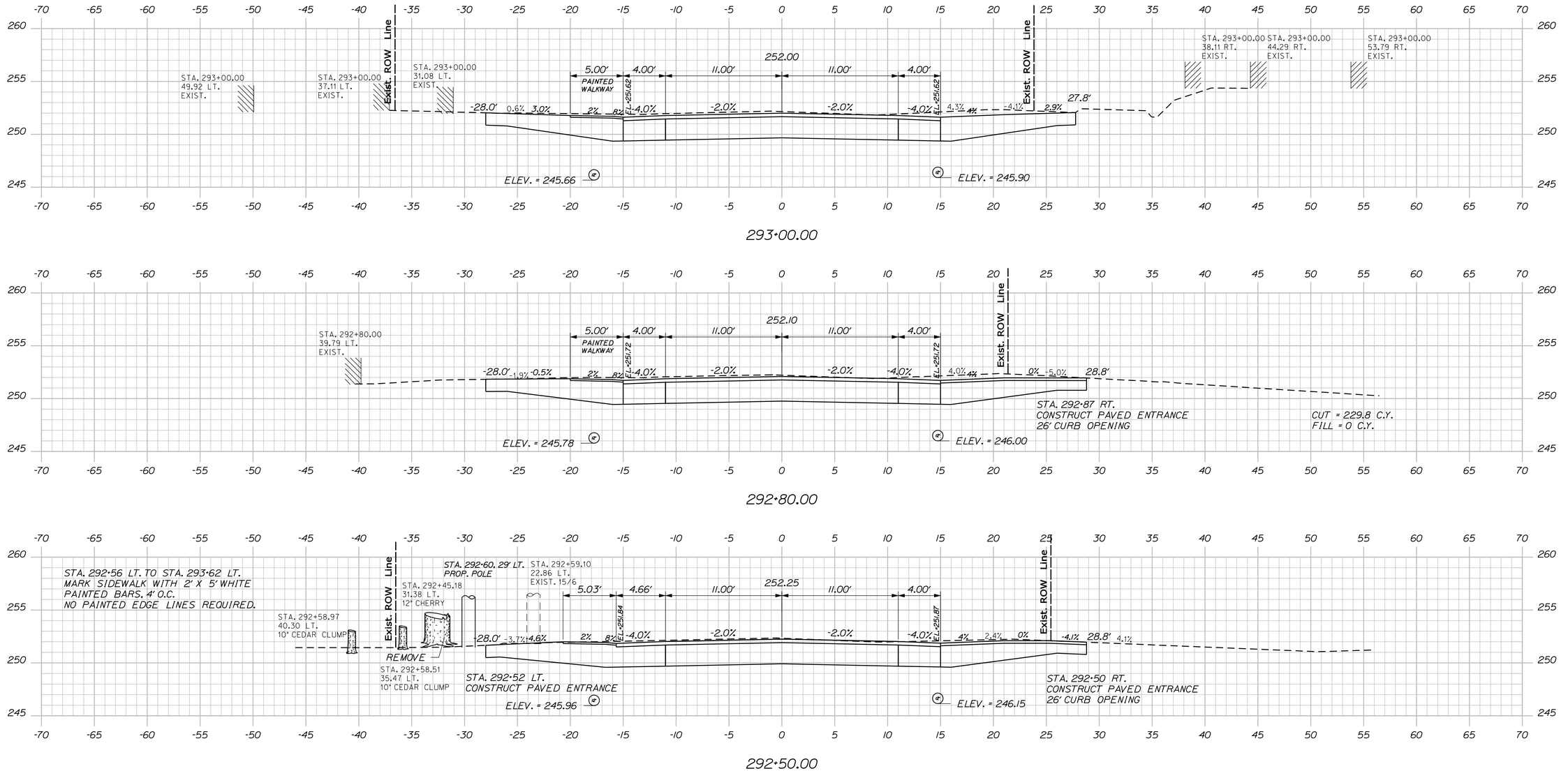
SIGNATURE
4226
P.E. NUMBER
1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN		
DESIGN-DETAILED	MSM	12/2017	
CHECKED-REVIEWED	ALG	12/2017	
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER
52
OF 64



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GARCIA — 3801 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE	DATE
4226	
P.E. NUMBER	
1/12/2018	
DATE	

PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

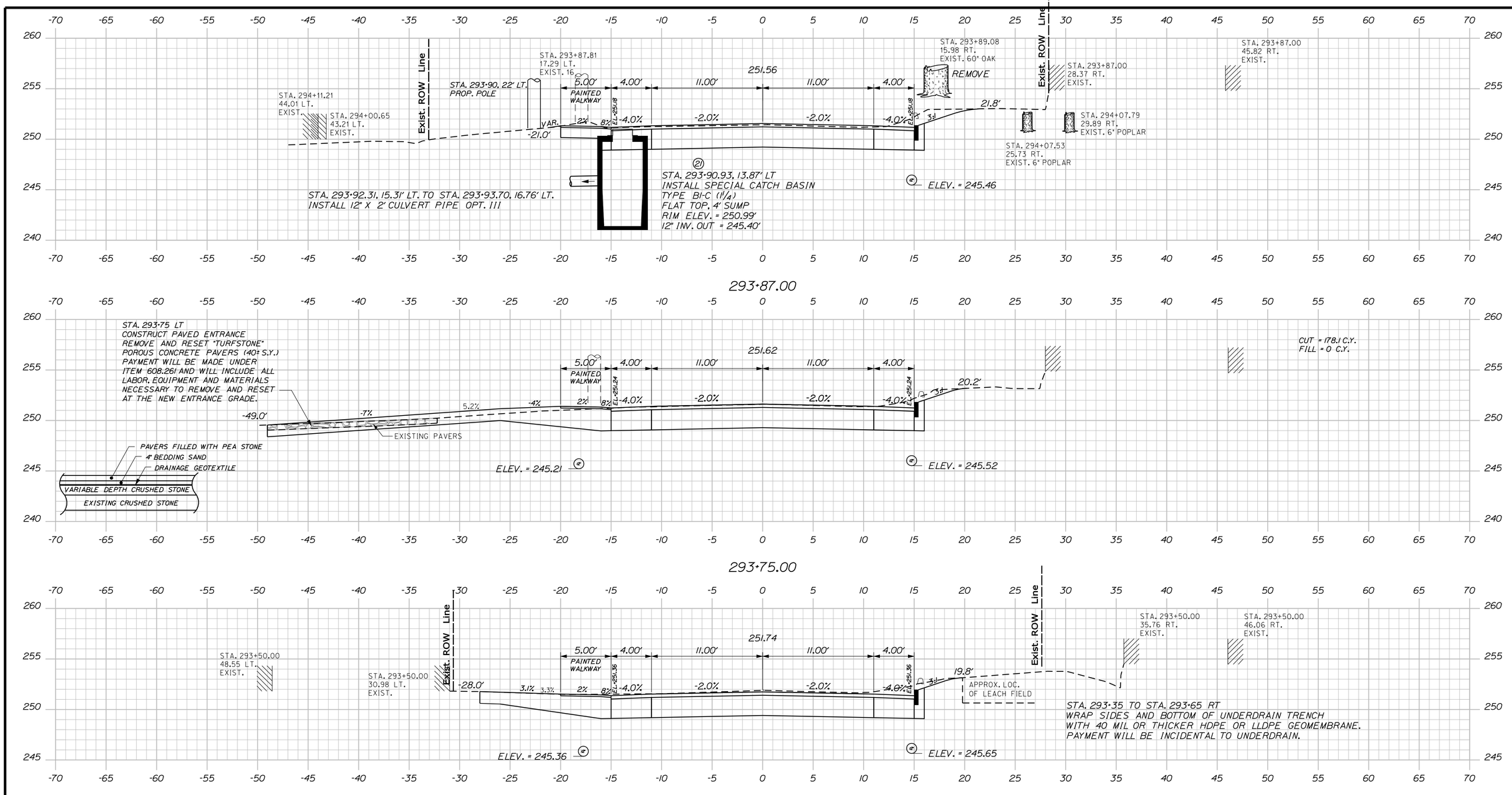
SHEET NUMBER

53

OF 64

Sta. 292+34.00 to Sta. 293+00.00

Filename: ...\msta\053_XSECT_292+34_030.dgn Division: HIGHWAY Username: morin Date:1/2/2018



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE
ALBERT L. GOSTOFF
3/4/2014
REGISTERED PROFESSIONAL ENGINEER

SIGNATURE	4226	
P.E. NUMBER		
DATE	1/12/2018	

PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

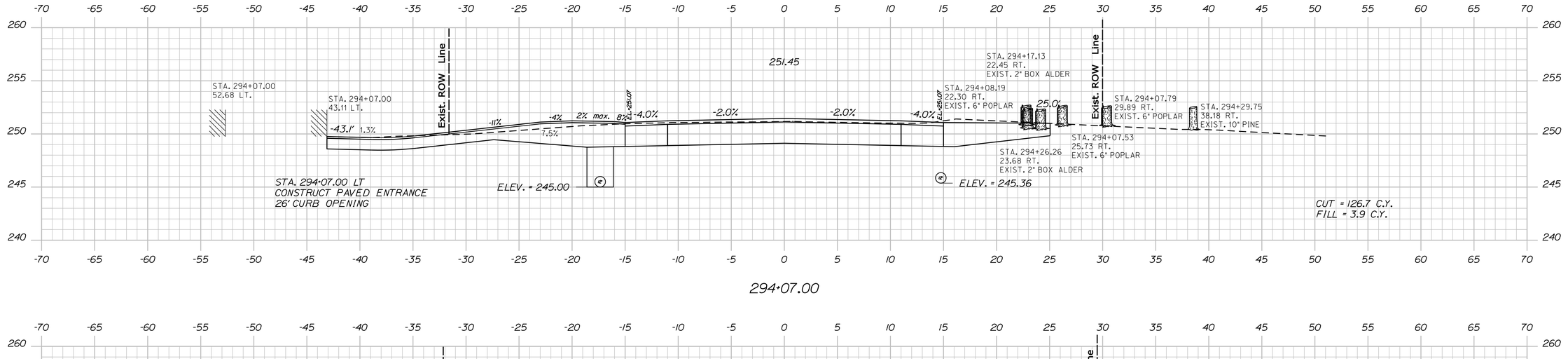
SHEET NUMBER

54

OF 64

Sta. 293+31.00 to Sta. 293+87.00

Filename: ...\mslo\054_XSECT_293+31_031.dgn Division: HIGHWAY Username: morin Date:1/2/2018



Sta. 294+00.00 to Sta. 294+07.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GONYEA — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER

1/12/2018
DATE

	BY	DATE
ERNIE MARTIN		
PROJ. MANAGER		
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER

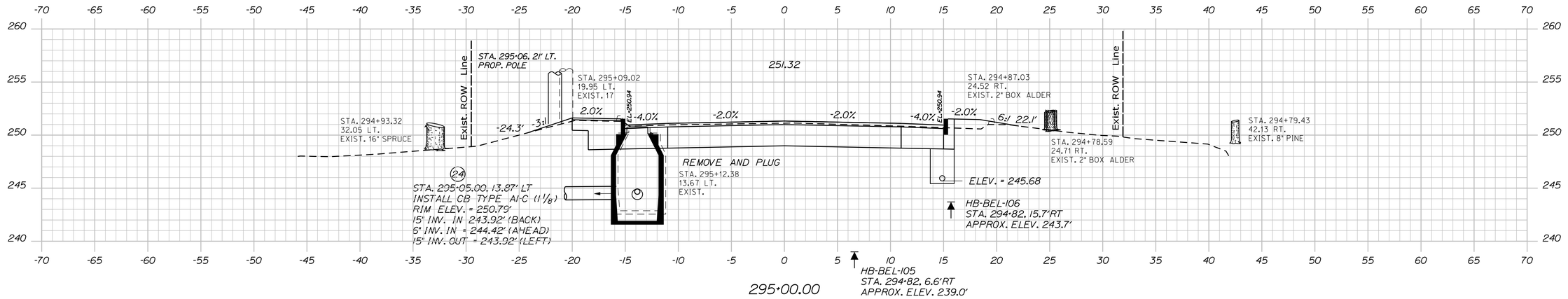
55

OF 64

Filename: ...\mslo\055_XSECT_294+00_032.dgn Division: HIGHWAY Username: morin Date:1/2/2018

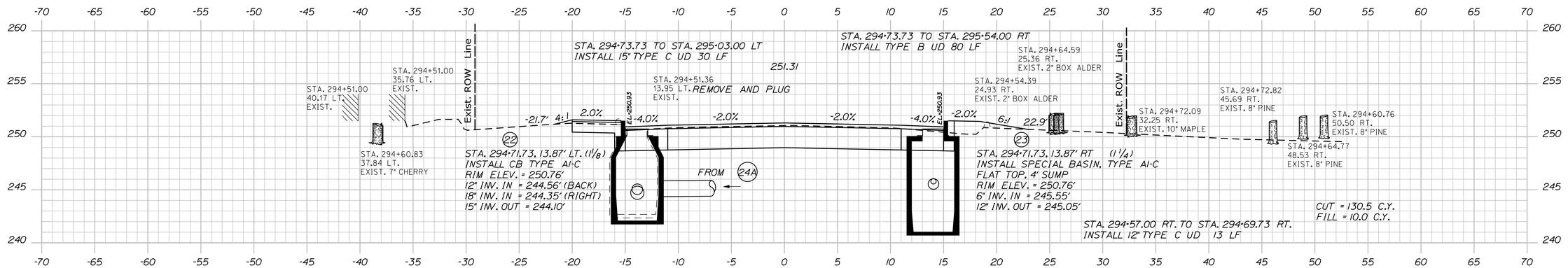
STA. 295+06.12, 15.1' LT TO STA. 295+45.60, 43.3' LT
INSTALL 15" X 50' CULVERT PIPE OPT. III
OUTLET ELEV. 243.50'
OUTLET THROUGH DRY-LAID STONE MASONRY WALL AT SAME LOCATION AS EXISTING OUTLET. REPLACE STONES SUPPORTING TOP COURSE WITH APPROPRIATELY SIZED STONES TO ACCOMMODATE THE LARGER PIPE AND PROVIDE SUPPORT FOR TOP COURSE. ANY WORK AND MATERIAL NECESSARY TO OUTLET THROUGH THE WALL WILL BE INCIDENTAL TO THE COST OF THE PIPE

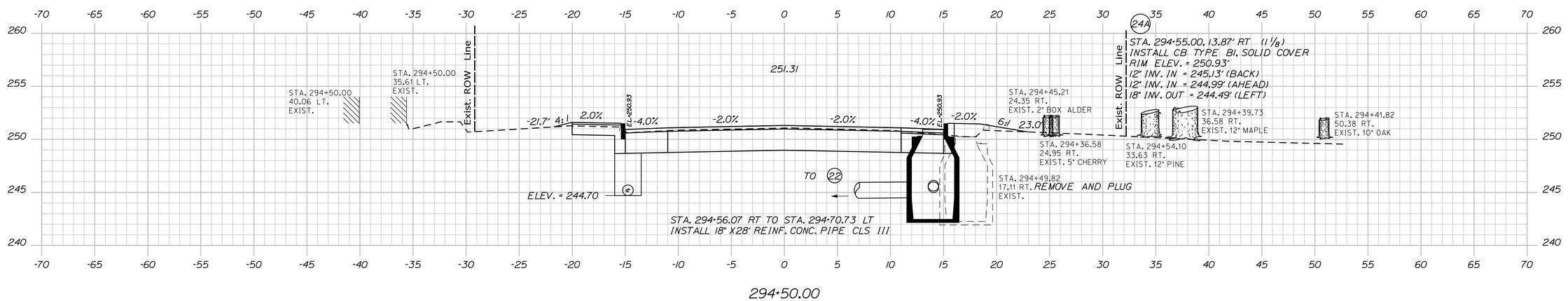
STA. 295+07.00 TO STA. 295+54.00 LT
INSTALL TYPE B UD 48 LF



STA. 294+73.73 TO STA. 295+03.00 LT
INSTALL 15" TYPE C UD 30 LF

STA. 294+73.73 TO STA. 295+54.00 RT
INSTALL TYPE B UD 80 LF





STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOSSELIN JR. — 4226 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE	
4226	
P.E. NUMBER	
1/12/2018	
DATE	

PROJ. MANAGER	ERNIE MARTIN
DESIGN-DETAILED	MSM
CHECKED-REVIEWED	ALG
DESIGN2-DETAILED2	
DESIGN3-DETAILED3	

	BY	DATE
REVISIONS 1	MSM	12/2017
REVISIONS 2	ALG	12/2017
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

CROSS SECTIONS

SHEET NUMBER
56
OF 64

Sta. 294+50.00 to Sta. 295+00.00

Filename: ...\056_XSECT_294+50_033.dgn Division: HIGHWAY Username: common Date:1/9/2018

Filename: ...\057_XSECT_295+13_034.dgn Division: HIGHWAY Username: common Date:1/9/2018

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT L. GOFFIN — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
1/12/2018
DATE

PROJ. MANAGER	ERNIE MARTIN	DATE
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
ROUTE 27

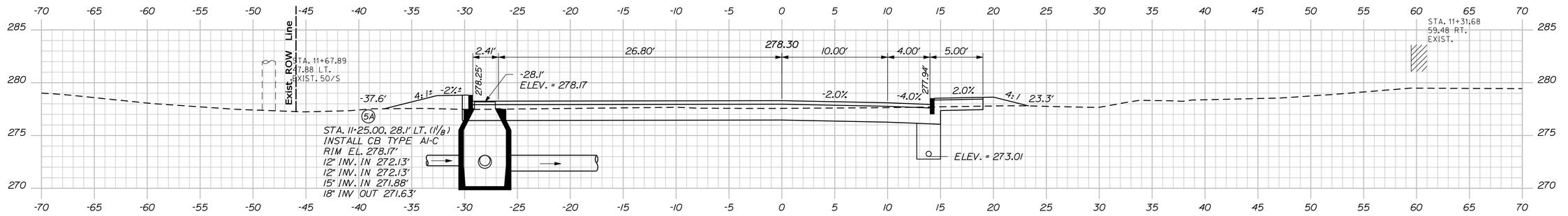
CROSS SECTIONS

SHEET NUMBER
57
OF 64

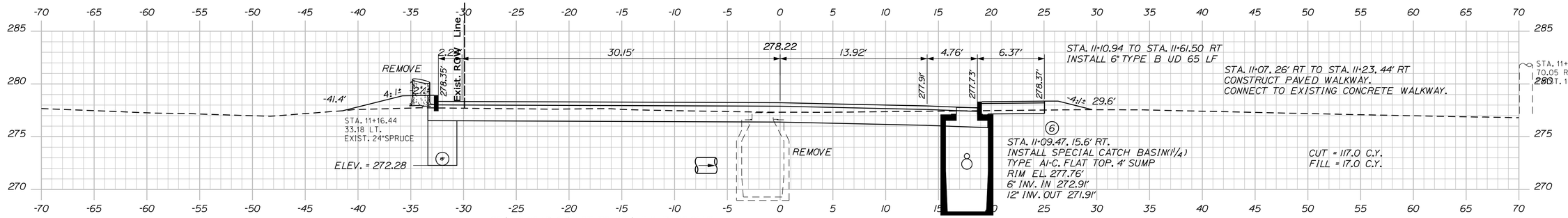
Sta. 295+13.00 to Sta. 295+55.00

Filename: ...\058_XSECT_West Rd_10+94_001.dgn Division: HIGHWAY Username: morin Date:1/2/2018

STA. 11+28.94, 26.8' LT TO STA. 11+39.23, 23.7' LT
INSTALL 12" TYPE C UD 6 LF (CB 5A TO CB 5)



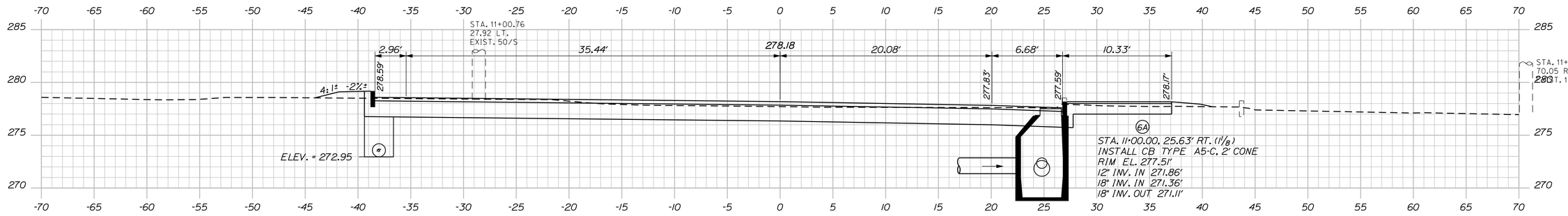
11+25.00



STA. 10+99.13, 23.1' RT TO STA. 11+21.17, 26.0' LT
INSTALL 18" X 52' REINF. CONC. PIPE CLASS III
(CB 5A TO CB 6A)

11+08.00

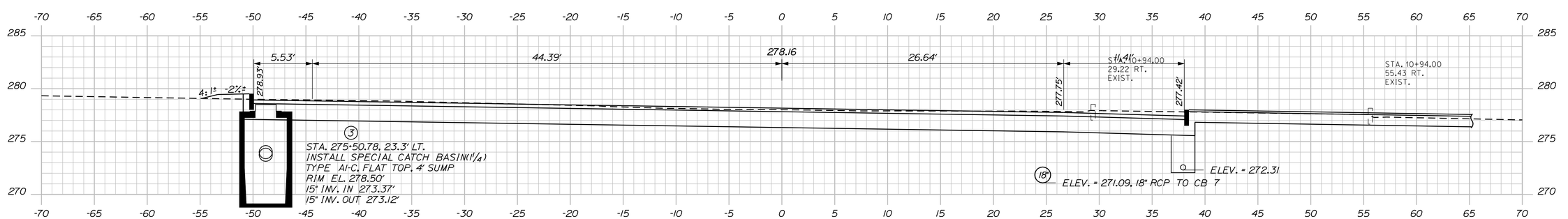
STA. 11+01.21, 23.5' RT TO STA. 11+08.43, 16.9' RT
INSTALL 12" TYPE C UD 11 LF (CB 6 TO CB 6A)



SEE CB A1-C
STA. 275+50 LT.

STA. 10+98.52, 38.4' LT TO STA. 11+20.00, 29.0' LT
INSTALL 15" TYPE C UD 17 LF (CB 3 TO CB 5A)

11+00.00



10+94.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN
18253.00

HIGHWAY PLANS

STATE OF MAINE — ALBERT I. GOSSELIN — 10782 — REGISTERED PROFESSIONAL ENGINEER

SIGNATURE
4226
P.E. NUMBER
1/12/2018
DATE

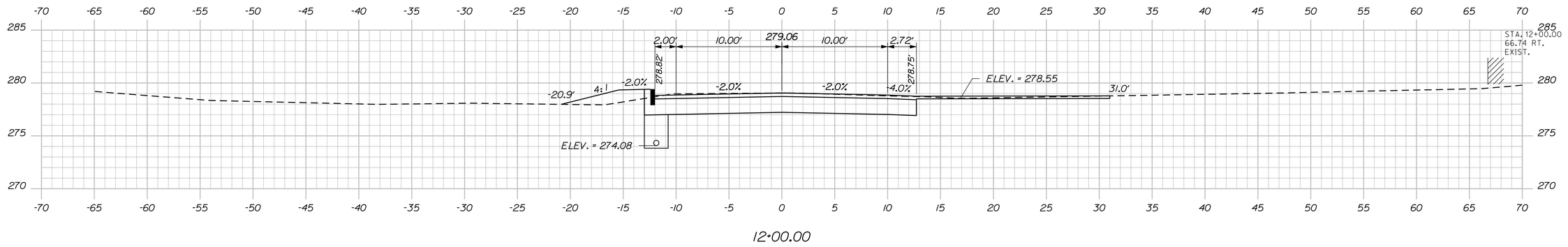
	BY	DATE
PROJ. MANAGER	ERNIE MARTIN	
DESIGN-DETAILED	MSM	12/2017
CHECKED-REVIEWED	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

BELGRADE
WEST ROAD

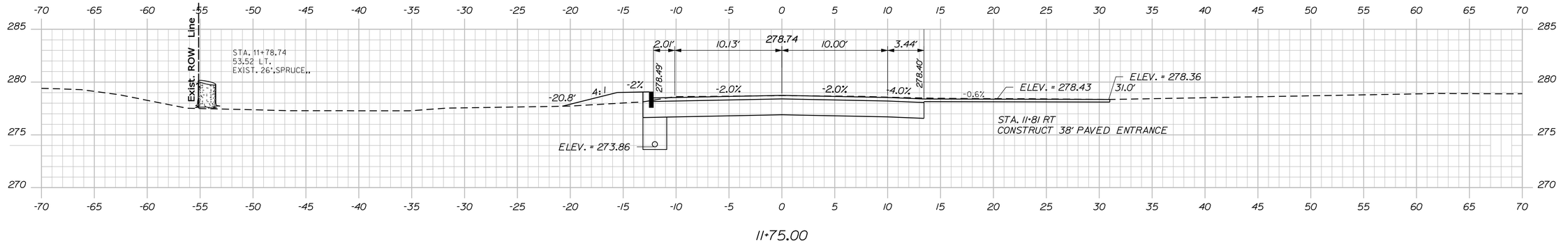
CROSS SECTIONS

SHEET NUMBER
58
OF 64

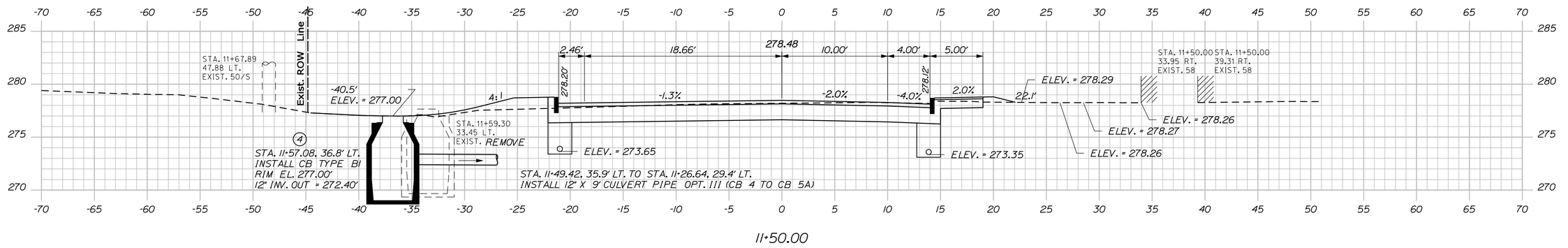
Sta. 10+94.00 to Sta. 11+25.00



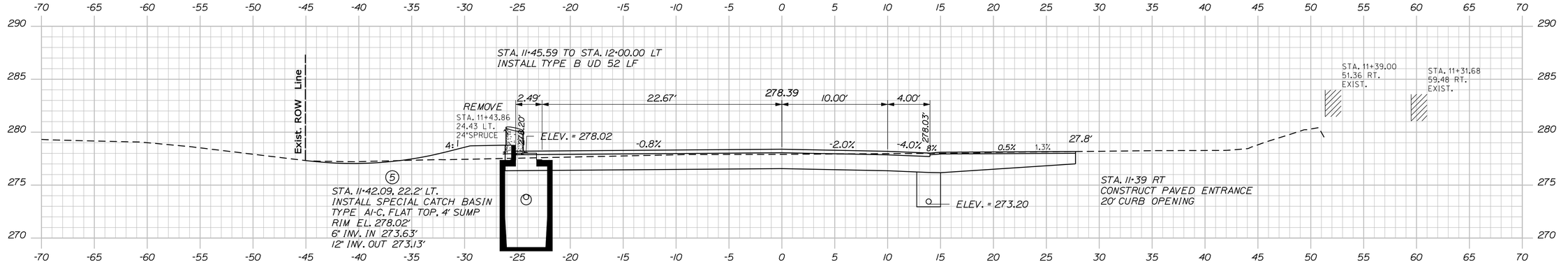
12+00.00



11+75.00



11+50.00



11+39.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS

STATE OF MAINE · ALBERT I. GOSTYLA · 10116 · REGISTERED PROFESSIONAL ENGINEER

SIGNATURE 4226

P.E. NUMBER

1/12/2018

DATE

PROJ. MANAGER	ERNIE MARTIN		
		BY	DATE
DESIGN-DETAILED	MSM		
CHECKED-REVIEWED	ALG		
DESIGN2-DETAILED2			
DESIGN3-DETAILED3			
REVISIONS 1		MSM	12/2017
REVISIONS 2		ALG	12/2017
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

BELGRADE
WEST ROAD

CROSS SECTIONS

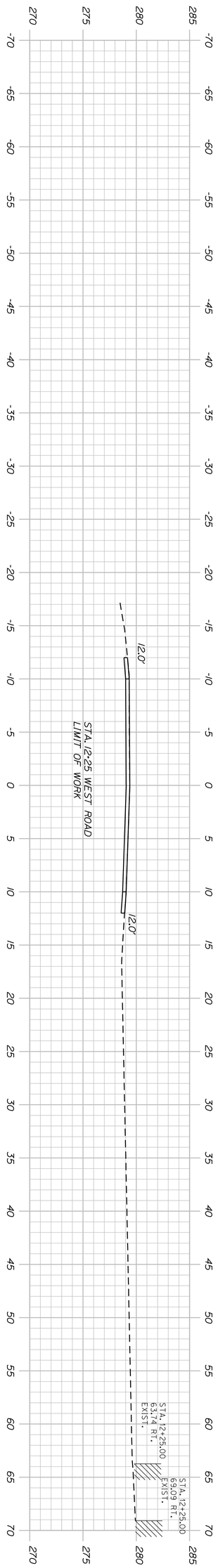
SHEET NUMBER

59

OF 64

Sta. 11+39.00 to Sta. 12+00.00

Filename: ...\059_XSECT_West Rd_11+39_002.dgn Division: HIGHWAY Username: morin Date:1/2/2018



12+25.00

Sta. 12+25.00 to Sta. 12+25.00

SHEET NUMBER 60 OF 64

BELGRADE WEST ROAD

CROSS SECTIONS

PROJ. MANAGER ERNIE MARTIN	BY	DATE
DESIGN-DETAILED MSM	MSM	12/2017
CHECKED-REVIEWED ALG	ALG	12/2017
DESIGN2-DETAILED2		
DESIGN3-DETAILED3		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE 4226

P.E. NUMBER

1/12/2018

DATE

STATE OF MAINE
ALBERT L. GOLDFARB
PROFESSIONAL ENGINEER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-1825(300)X

WIN 18253.00

HIGHWAY PLANS