

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



SANFORD
YORK COUNTY
STATE ROUTE 4

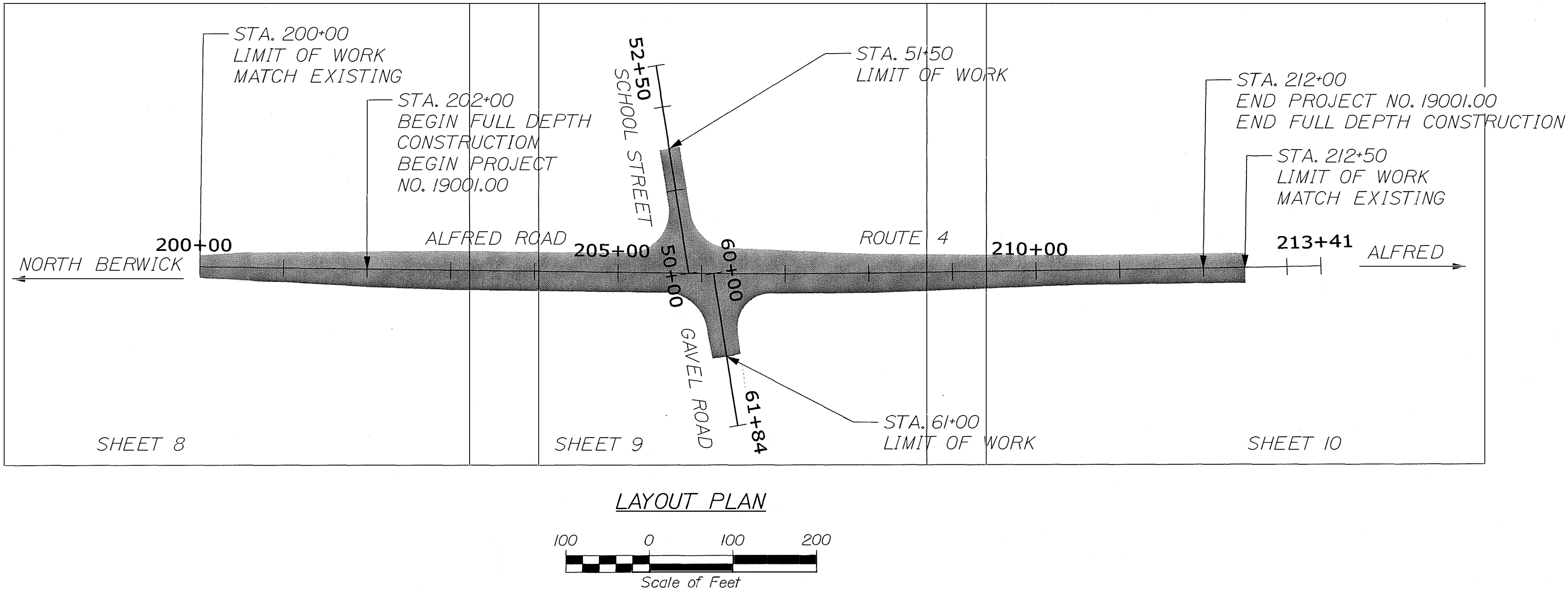
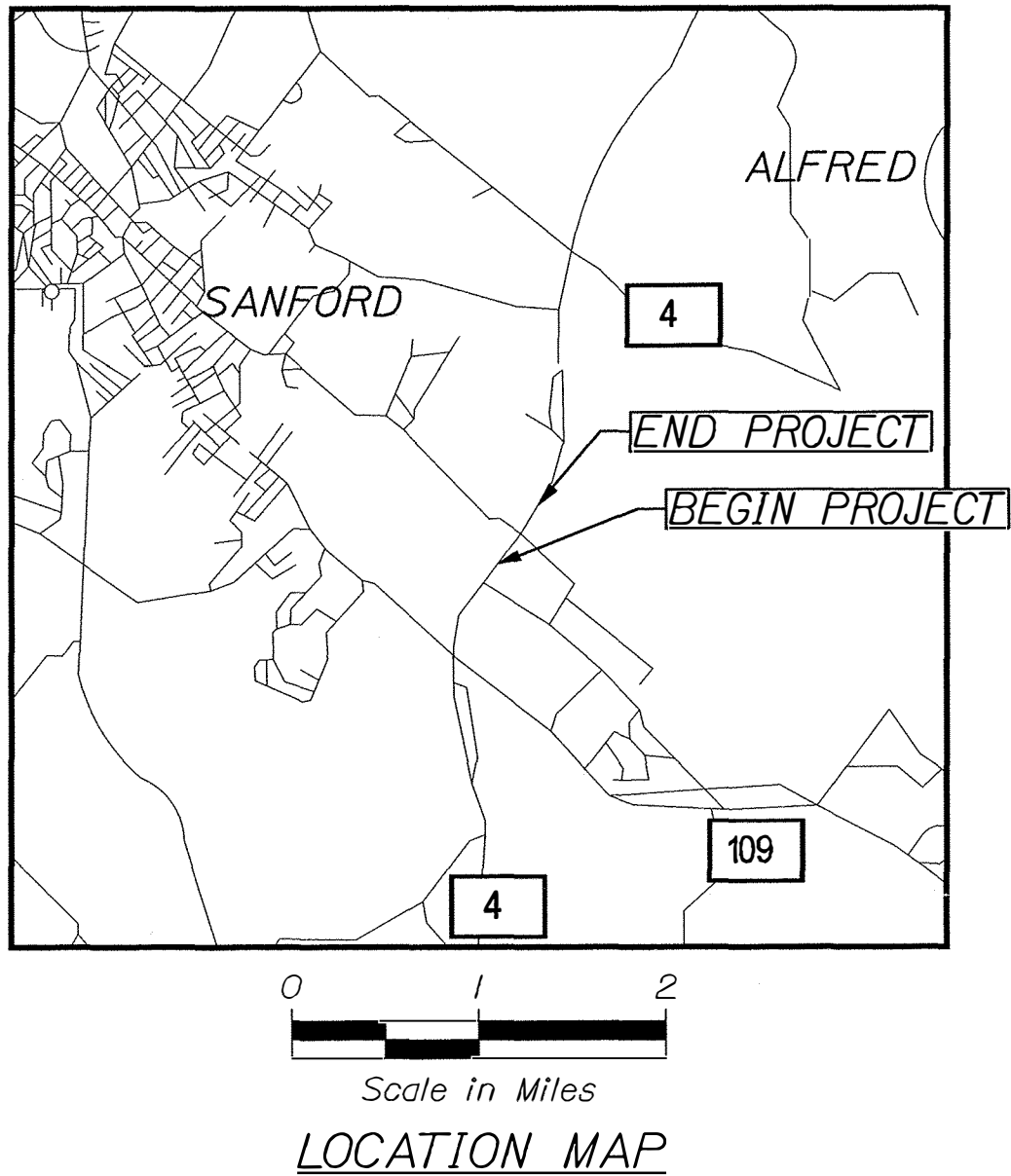
AC-STP-1900(100)
PROJECT LENGTH : 0.19 MILES

PLAN LEGEND

Town, County, State	Catch Basins	Existing	Proposed
Property Lines	Manholes	Existing	Proposed
R/W Lines-Existing	Proposed Underdrain		
R/W Lines-Proposed	Proposed Ditch		
Culvert-Existing	Existing Ditch		
Culvert Proposed	Utility Poles	Existing	Proposed
Curbing	Fire Hydrants	Existing	Proposed
Type 1	Existing Water Line		
Type 3	Existing San. Sewer		
Type 5	Existing San. Sewer Manhole		
Outline of Bodies of Water	Guardrail-Existing		
Exposed Bedrock	Guardrail-Proposed		
Buildings	Guardrail-Cable, Other		
Trees	Centerline-Existing		
Tree Line	Centerline-Proposed		
Clearing Limit Line	Travelway-Existing		
Railroad	Travelway-Proposed		
Boring	Probe	P-#.X	
Pavement Core	PC-#		
Test Pit	TP-XXX-###		

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TRAFFIC DATA

	SR 4 (Alfred Rd.) NE/O Jagger Mill Rd.	SR 4 (Alfred Rd.) NE/O School St.	School St. NW/O SR 4 (Alfred Rd.)
Current (2023) AADT	15,410	12,760	3170
Future (2035) AADT	16,330	13,530	3360
Future (2043) AADT	16,950	14,040	3490
DHV - % of AADT	11%	11%	11%
Design Hour Volume	1864	1554	384
% Heavy Trucks (AADT)	7%	8%	9%
Directional Distribution (DHV)	64%	64%	55%
Design Speed (mph)	45	45	40
Functional Class:	Minor Arterial	Minor Arterial	Local
Corridor Priority	2	2	6

PROJECT LOCATION:	Intersection of Route 4 (Alfred Rd.) School St. and Gavel Rd. in Sanford
PROGRAM AREA:	Highway Program
SCOPE OF WORK:	Intersection Improvements

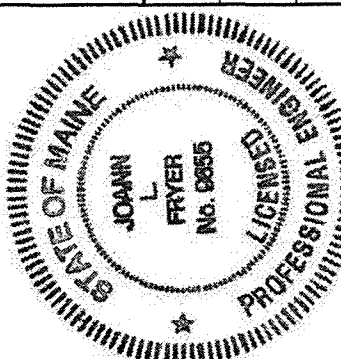
WIN 19001.00 AC-STP-1900(100)

SANFORD
STATE ROUTE 4

SHEET NUMBER
1

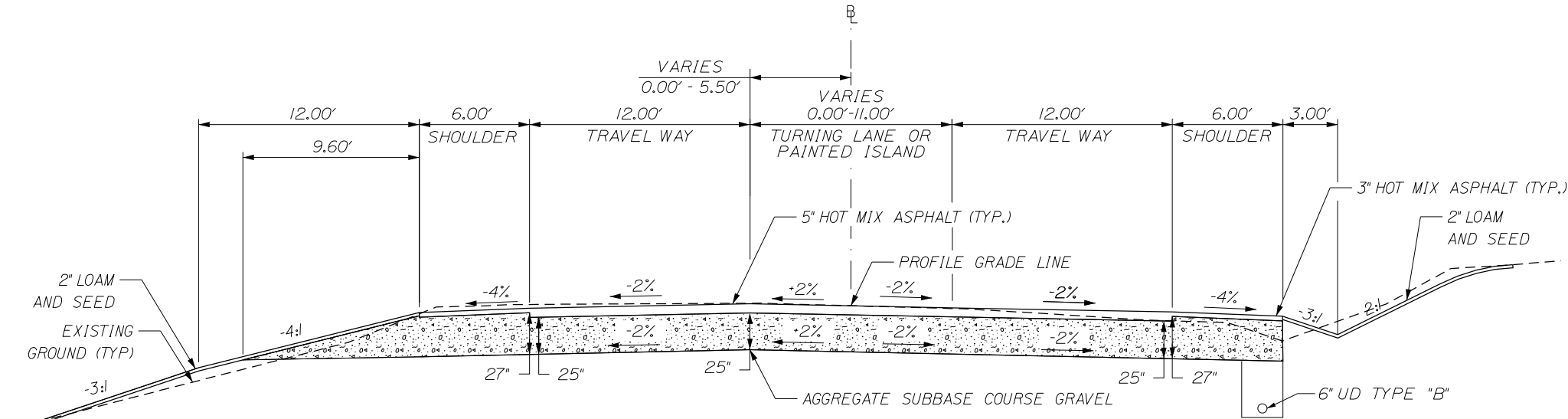
OF 31

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: [Signature]	7-10-23	7-7-2023



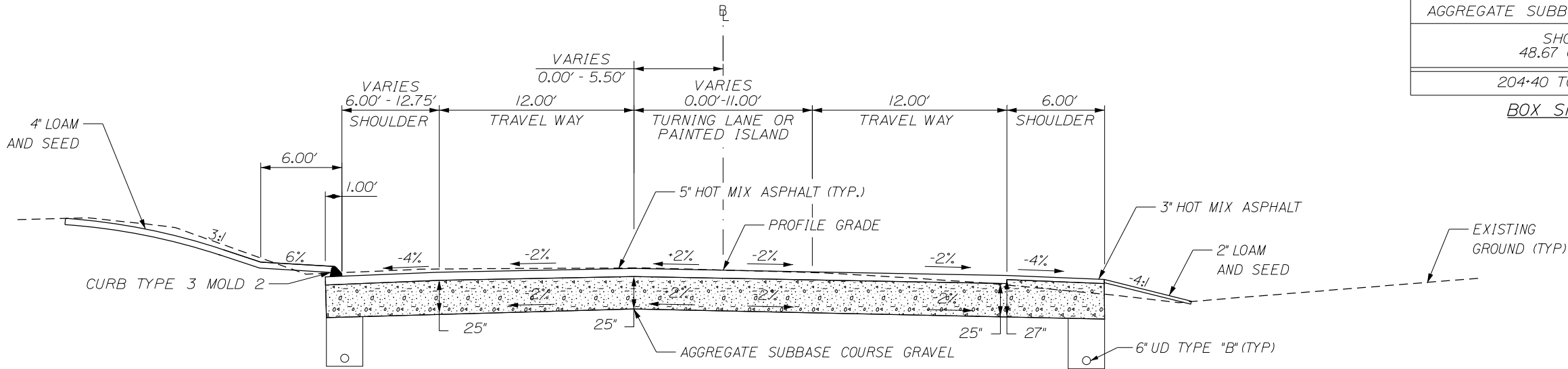
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[Signature]	9655	6/28/2023

PROJECT INFORMATION	PROGRAM	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
HIGHWAY	E. MARTIN	E. MALONEY	FUSS & O'NEILL			



AGGREGATE SUBBASE COURSE GRAVEL	AGGREGATE SUBBASE COURSE GRAVEL	AGGREGATE SUBBASE COURSE GRAVEL
SHOULDER 88.70 CY/100 LF	TRAVEL LANES 185.19 - 270.04 CY/100 LF	SHOULDER 48.67 CY/100 LF
202+00 TO 204+00 LT.	202+00 TO 206+00	203+00 TO 209+75 RT.
209+75 TO 212+00 LT.	208+50 TO 212+00	
209+75 TO 212+00 RT.		

ROUTE 4 (ALFRED ROAD)
NORMAL

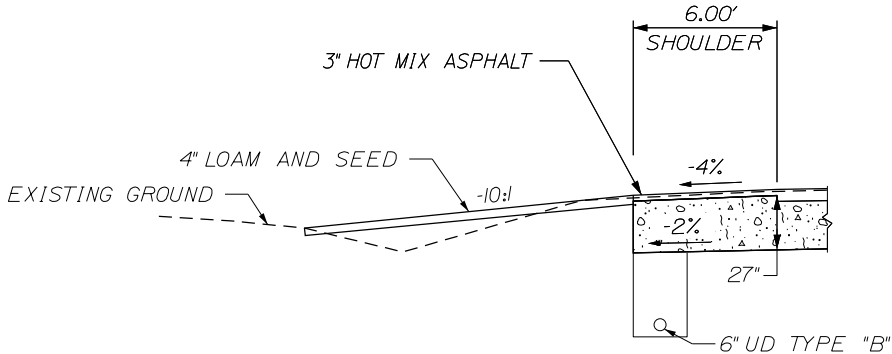


AGGREGATE SUBBASE COURSE GRAVEL	AGGREGATE SUBBASE COURSE GRAVEL	AGGREGATE SUBBASE COURSE GRAVEL
SHOULDER 52.30 CY/100 LF	TRAVEL LANES 185.19 - 270.04 CY/100 LF	SHOULDER 48.67 CY/100 LF
206+00 TO 208+25 LT.	206+00 TO 208+50	202+00 TO 202+86 RT.

ROUTE 4 (ALFRED ROAD)
NORMAL

NOTE:

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 SHALL HAVE THE SAME SLOPE AS THE TRAVELWAY.
3. CROWNS FOR BOTH NORMAL AND SUPERELEVATION SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
4. THE GRAVEL QUANTITY CALCULATION IS BASED ON A 2" LOAM OR DIRTY BORROW DEPTH. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
5. THE ALGEBRAIC DIFFERENCE BETWEEN THE SHOULDER AND TRAVEWAY CROSS SLOPES "ROLLOVER" SHALL NOT EXCEED 8%.
6. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.



AGGREGATE SUBBASE COURSE GRAVEL
SHOULDER 48.67 CY/100 LF
204+40 TO 205+25 LT.

BOX SHOULDER

NOT TO SCALE

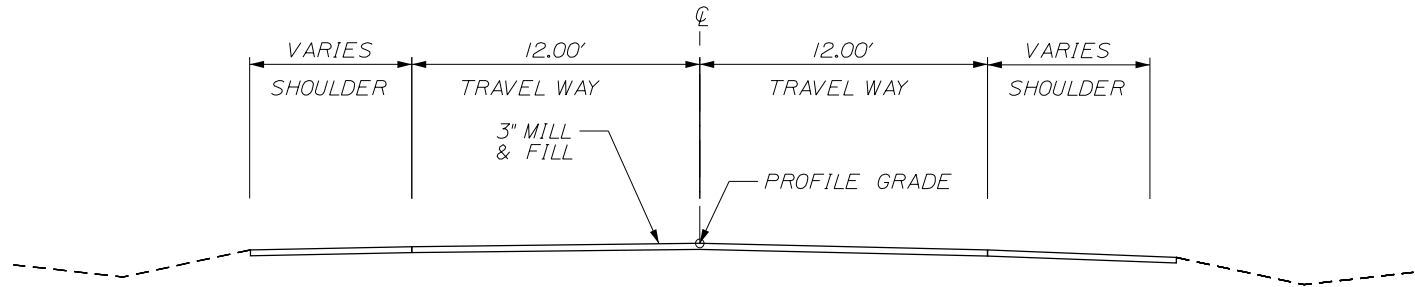
STATE OF MAINE DEPARTMENT OF TRANSPORTATION	AC-STP-1900(100)		HIGHWAY PLANS	
	WIN 19001.00			
SANFORD STATE ROUTE 4		DATE	5/26/2023	SIGNATURE
		BY	M. RAENZ	P.E. NUMBER
TYPICAL SECTIONS		PROJ. MANAGER	E. MARTIN	DATE
		DESIGN-DETAILED	E. MALONEY	5/26/2023
		CHECKED-REVIEWED	N. FOX	
		DESIGN-DETAILED		
		REVISIONS		
SHEET NUMBER		REVISIONS 1		
		REVISIONS 2		
		REVISIONS 3		
		REVISIONS 4		
2		FIELD CHANGES		
OF 31				

Date:6/28/2023

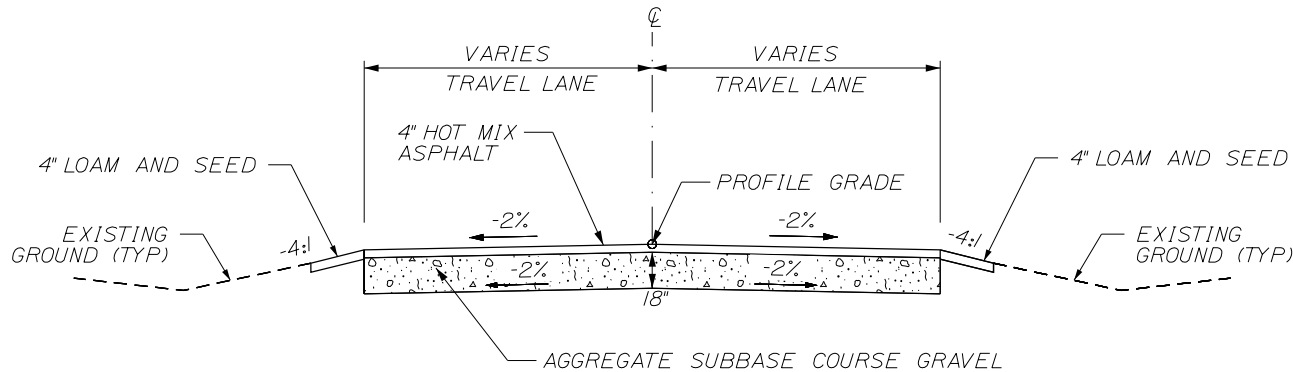
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Division: HIGHWAY

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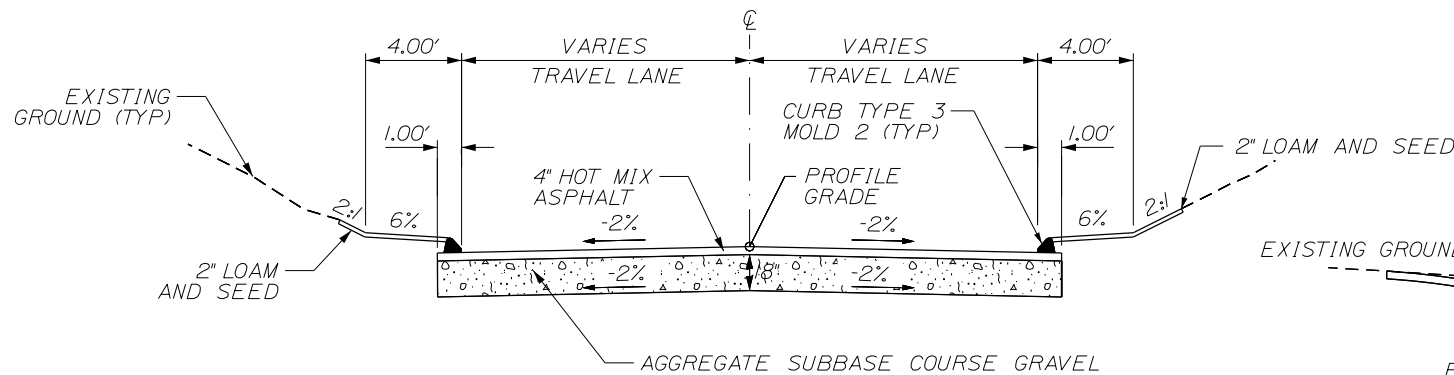


ROUTE 4 (ALFRED ROAD)
MILL & FILL
200+00 TO 201+50



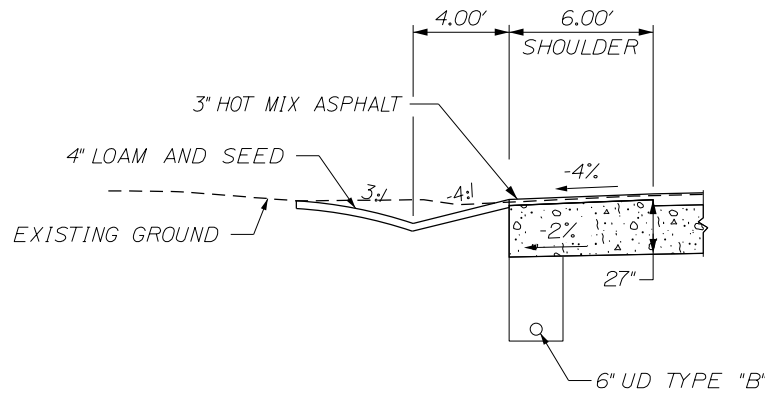
AGGREGATE SUBBASE COURSE GRAVEL
TRAVEL LANES 133.33 CY/100 LF
50+00 TO 51+50

SCHOOL STREET FULL CONSTRUCTION
PAVED SIDE ROAD



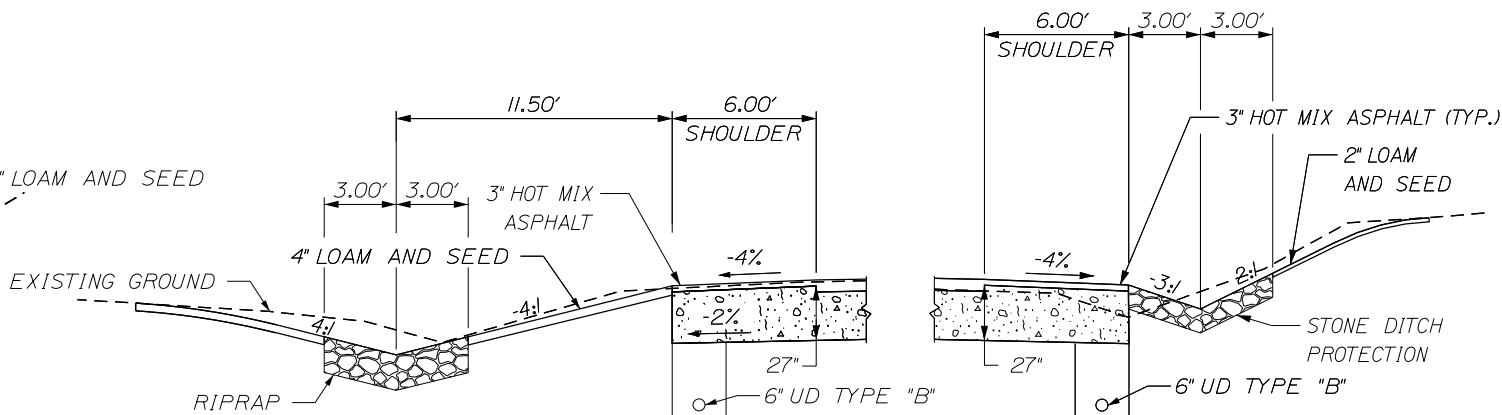
AGGREGATE SUBBASE COURSE GRAVEL
TRAVEL LANES 144.50 CY/100 LF
60+00 TO 61+00

GAVEL ROAD FULL CONSTRUCTION
PAVED SIDE ROAD



AGGREGATE SUBBASE COURSE GRAVEL
SHOULDER 48.67 CY/100 LF
208+75 TO 209+75 LT.

BOX SHOULDER WITH DITCH



AGGREGATE SUBBASE COURSE GRAVEL	AGGREGATE SUBBASE COURSE GRAVEL
SHOULDER 48.67 CY/100 LF	SHOULDER 48.67 CY/100 LF
204+00 TO 204+50 LT.	202+86 TO 204+00 RT.

BOX SHOULDER WITH RIP RAP AND STONE DITCH PROTECTION

STATE OF MAINE

DEPARTMENT OF TRANSPORTATION

AC-STP-1900(100)

WIN 19001.00

HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	E. MALONEY	M. RAENZ	5/26/2021
CHECKED-REVIEWED	N. FOX	-	5/26/2021
DESIGN-DETAILED2	-	-	-
DESIGN-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
P.E. NUMBER			
DATE			

SANFORD
STATE ROUTE 4

TYPICAL SECTIONS

SHEET NUMBER

3

OF 31

NOT TO SCALE

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.15	REMOVING EXISTING MANHOLE OR CATCH BASIN	1	EA
202.202	REMOVING PAVEMENT SURFACE	400	SY
203.20	COMMON EXCAVATION	5000	CY
203.21	ROCK EXCAVATION	250	CY
206.061	STRUCTURAL EARTH EXCAVATION - DRAINAGE & MINOR STRUCTURES BELOW GRADE	440	CY
304.10	AGGREGATE SUBBASE COURSE-GRAVEL	3,100	CY
403.2081	HOT MIX ASPHALT - 12.5 MM (POLYMER MODIFIED)	560	T
403.209	HOT MIX ASPHALT - 9.5MM (SIDEWALKS, DRIVES, & INCIDENTALS)	30	T
403.211	HOT MIX ASPHALT - 9.5 MM (SHIMMING)	10	T
403.213	HOT MIX ASPHALT - 12.5MM (BASE AND INTERMEDIATE COURSE)	1,100	T
409.15	BITUMINOUS TACK COAT, APPLIED	330	G
603.165	15 INCH REINFORCED CONC. PIPE CLASS III	192	LF
604.092	CATCH BASIN TYPE B1-C	1	EA
605.09	6 INCH UNDERDRAIN TYPE B	1,500	LF
606.356	UNDERDRAIN DELINEATOR POST	10	EA
606.52	MAILBOX REMOVE & RESET	3	EA
609.31	CURB TYPE 3	370	LF
610.08	PLAIN RIPRAP	57	CY
610.18	STONE DITCH PROTECTION	26	CY
613.319	EROSION CONTROL BLANKET	480	SY
615.07	LOAM	230	CY
618.13	SEEDING METHOD NUMBER 1	3	UN
618.14	SEEDING METHOD NUMBER 2	35	UN
619.12	MULCH	38	UN
620.58	EROSION CONTROL GEOTEXTILE	290	SY
626.11	PRECAST CONCRETE JUNCTION BOX	5	EA
626.22	NON-METALLIC CONDUIT	150	LF
626.251	NON-METALLIC UNDER PAVEMENT CONDUIT (SCHEDULE 80)	130	LF
626.38	GROUND MOUNTED CABINET FOUNDATION	1	EA
627.18	12 INCH SOLID WHITE PAVEMENT MARKING LINE	120	LF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	4,500	LF
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	205	SF
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25	HR
631.172	TRUCK-LARGE (INCLUDING OPERATOR)	25	HR
631.20	STUMP CHIPPER RENTAL (INCLUDING OPERATOR)	25	HR
639.18	FIELD OFFICE, TYPE A	1	EA
643.712	PREEMPTIVE SYSTEM	1	LS
643.80	TRAFFIC SIGNALS AT ROUTE 4 AND SCHOOL STREET	1	LS
643.83	VIDEO DETECTION SYSTEM	1	LS
645.106	DEMOUNT REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	10	EA
645.116	REINSTALL REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGN	4	EA
645.292	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS, TYPE II	30	SF
652.31	TYPE I BARRICADE	4	EA
652.312	TYPE III BARRICADE	4	EA
652.33	DRUM	30	EA
652.34	CONE	60	EA
652.35	CONSTRUCTION SIGNS	330	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	200	CD
652.38	FLAGGERS	3,900	HR
652.381	TRAFFIC OFFICER	50	HR
652.41	PORTABLE-CHANGEABLE MESSAGE SIGN	3	EA
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

EARTHWORK SUMMARY

COMMON EXCAVATION FOR ESTIMATE

COMMON EXCAVATION (FROM MODEL OR PLANS)	4950
GRUBBING IN FILL	9
LOAM SALVAGE IN FILL	0
UNDERCUT	0
MUCK EXCAVATION	0
PEAT EXCAVATION	0
CULVERT INLET AND OUTLET DITCHES	0
PAVEMENT SALVAGE IN FILL	0

TOTAL COMMON EXCAVATION 4959

FILL FOR BORROW CALCULATIONS

COMMON FILL (FROM MODEL OR PLANS)	200
GRUBBING IN FILL	9
LOAM SALVAGE IN FILL	0
UNDERCUT	0
MUCK EXCAVATION	0
PEAT EXCAVATION	0
PAVEMENT SALVAGE IN FILL	0
RECYCLED PAVEMENT REMOVAL IN FILL	0

TOTAL FILL 209

ROCK EXCAVATION FOR ESTIMATE

ROCK EXCAVATION (FROM CROSS SECTIONS)	0
ROCK EXCAVATION (BOULDERS)	0

TOTAL ROCK EXCAVATION 0

AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS

ALL DEDUCTIONS:	
GRUBBING IN CUT	180
GRUBBING IN FILL	9
LOAM SALVAGE IN CUT	0
LOAM SALVAGE IN FILL	0
UNDERCUT	0
MUCK EXCAVATION	0
PEAT EXCAVATION	0
PAVEMENT SALVAGE (CUT & FILL)	0

TOTAL DEDUCTIONS 189

TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS	4770
TOTAL AVAILABLE STRUCTURAL EXCAVATION (UNDERDRAIN ONLY)	379
RIPRAP EXCAVATION	60

TOTAL AVAILABLE NON-ROCK EXCAVATION 5209

COMPUTATION OF WASTE STORAGE & WASTE MATERIAL

TOTAL AVAILABLE WASTE STORAGE AREA (FROM CROSS SECTIONS)	0
GRUBBING IN CUT	180
GRUBBING IN FILL	9
UNDERCUT	0
MUCK EXCAVATION	0
PEAT EXCAVATION	0
TOTAL WASTE MATERIAL	189

TOTAL WASTE MATERIAL TO BE UTILIZED* 0

TOTAL WASTE MATERIAL TO BE WASTED 189

COMPUTATION FOR GRANULAR BORROW FOR ESTIMATE

GRANULAR BORROW TO REPLACE MUCK	0
GRANULAR BORROW TO REPLACE PEAT	0
GRANULAR BORROW IN LOW WET AREAS	0
GRANULAR BORROW FOR EMBANKMENT CONSTRUCTION NEAR BOX CULVERTS	0
GRANULAR BORROW TO MAINTAIN TRAFFIC	0
GRANULAR BORROW FOR UNDERCUTTING	0
GRANULAR BORROW FOR CULVERT BEDDING	0

TOTAL GRANULAR BORROW 0

COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE

TOTAL AVAILABLE NON-ROCK EXCAVATION	5209.1	x 0.90	=	4688.2
TOTAL AVAILABLE ROCK EXCAVATION	0	x 1.30	=	0
TOTAL AVAILABLE STRUCTURAL ROCK EXCAVATION	0	x 1.30	=	0
TOTAL WASTE MATERIAL TO BE UTILIZED	0	x 0.90	=	0

TOTAL AVAILABLE EXCAVATION 4688

BORROW NEEDED = TOTAL FILL (-) TOTAL AVAILABLE EXCAVATION 0

IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION (-) TOTAL FILL, (+)
TOTAL WASTE MATERIAL TO BE WASTED 4668

SURPLUS MATERIAL 4668 CY

GRANULAR BORROW IN LOW WET AREAS	0
GRANULAR BORROW TO MAINTAIN TRAFFIC	0
BORROW NEEDED (-) REQUIRED GRANULAR BORROW WITHIN FILL	0

COMMON BORROW 0 CY

STATE OF MAINE
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AC-STP-1900(100)

WIN 19001.00
HIGHWAY PLANS

SANFORD
STATE ROUTE 4

ESTIMATED QUANTITIES &
EARTHWORK SUMMARY

SHEET NUMBER

4

OF 31

Date:6/28/2023

Username:

Division: HIGHWAY

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GENERAL NOTES

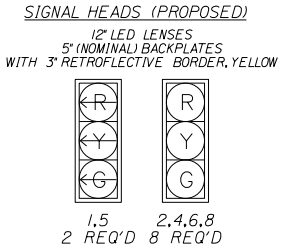
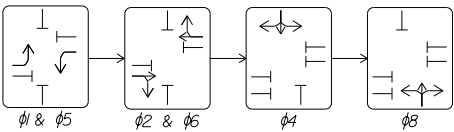
- PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
- CLEARING LIMITS SHALL BE 10 FEET BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT.
- ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND 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.
- 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.
- PRIOR TO REMOVING ANY PAVEMENT OR PLACING ANY SHIM PAVEMENT,THE ROADWAY WILL BE INSPECTED FOR POSSIBLE SUBSURFACE BOULDERS,WHICH WILL BE REMOVED AS DIRECTED BY THE RESIDENT.PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT RENTAL ITEMS.BACKFILL WILL BE PLACED TO SUBGRADE WITH MATERIAL CONSISTENT WITH THE SURROUNDING MATERIAL.AGGREGATE SUBBASE COURSE GRAVEL WILL BE PLACED FROM SUBGRADE TO FINISH GRADE AND WILL BE PAID UNDER THE APPROPRIATE ITEM.
- WHERE DEEMED NECESSARY BY THE RESIDENT,UNSUITABLE EXCESS MATERIAL SHALL BE REMOVED FROM THE EDGES OF SHOULDERS AND PLACED IN DESIGNATED AREAS OR DISPOSED OF.PAYMENT WILL BE MADE UNDER THE APPROPRIATE CONTRACT ITEMS.
- ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER,OR AS DIRECTED BY THE RESIDENT.
- THE CONTRACTOR SHALL PLAN AND CONDUCT WORK SO THAT UPON COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF THE SHOULDER PAVEMENT.
- DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE FILL SIDE SLOPES WITHOUT GUARDRAIL UNLESS OTHERWISE NOTED ON THE PLANS.
- 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.
- 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.
- GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1 FOOT ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW MATERIAL FOR UNDERWATER BACKFILL AS SPECIFIED IN STANDARD SPECIFICATIONS ITEM 703.19,GRANULAR BORROW.
- EXISTING INSLOPES IN PROPOSED FILL AREAS SHALL BE BENCHED BY EXCAVATING STEPS OF SUFFICIENT WIDTH TO PERMIT PLACING AND COMPACTING THE FILL MATERIAL ALONG WITH THE MATERIAL REMOVED.
- RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 2 INCHES OF HOT MIX ASPHALT AND 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
- GRAVEL ENTRANCES SHALL BE CONSTRUCTED WITH 14 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL OR 11 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 3 INCHES OF UNTREATED AGGREGATE SURFACE COURSE UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
- GRASS ENTRANCES SHALL BE CONSTRUCTED WITH 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL AND 2 INCHES OF LOAM,SEEDED AND MULCHED UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

- A 3-FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.
- ANY NECESSARY CLEANING OF EXISTING PAVEMENT PRIOR TO PAVING (OR MILLING) SHALL BE INCIDENTAL TO THE RELATED PAVING (OR MILLING) ITEMS.THIS INCLUDES KILLING AND REMOVAL OF ALL VEGETATIVE MATTER.
- WHEN SUPERELEVATION EXCEEDS THE SLOPE OF THE LOW-SIDE SHOULDER,THE LOW-SIDE SHOULDER WILL HAVE THE SAME SLOPE AS THE TRAVELWAY.
- THE ALGEBRAIC DIFFERENCE BETWEEN THE TRAVELWAY AND SHOULDER CROSS SLOPE SHALL NOT EXCEED 8 PERCENT.
- NO EXISTING DRAINAGE SHALL BE ABANDONED,REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
- INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
- FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
- PLASTIC END CAPS SHALL BE PLACED ON THE INLET END OF ALL DEAD-END 6-INCH TYPE B UNDERDRAIN AND SHALL BE CONSIDERED INCIDENTAL TO THIS ITEM.
- AS DIRECTED BY THE RESIDENT,ALL EXISTING UNDERDRAIN OUTLETS SHALL BE LOCATED,CLEANED OUT AND DITCHED AS REQUIRED OR REPLACED AS NECESSARY.PAYMENT WILL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
- ALL UNDERDRAIN NOT SHOWN ON THE CROSS SECTIONS WILL HAVE A FLOW LINE OF 5.5 FEET BELOW FINISH GRADE DIRECTLY ABOVE THE UNDERDRAIN AND THE UNDERDRAIN SAND BACKFILL WILL BE PLACED TO AN ELEVATION EQUAL TO THE BOTTOM OF THE NEW GRAVEL LAYER.ALL UNDERDRAIN SHOWN ON THE CROSS SECTIONS WILL HAVE THE FLOW LINE SCALED FROM THE CROSS SECTIONS.ALL FLOW LINE ELEVATIONS ARE SUBJECT TO APPROVAL BY THE RESIDENT.
- A 3 FT. X 3FT. SQUARE RIPRAP PAD SHALL BE CONSTRUCTED AT UNDERDRAIN OUTLETS.
- A DELINEATOR POST (STANDARD SPECIFICATIONS ITEM 606.356,UNDERDRAIN DELINEATOR POST)WILL BE INSTALLED AT EACH UNDERDRAIN OUTLET.
- A DELINEATOR POST (STANDARD SPECIFICATIONS ITEM 606.356,UNDERDRAIN DELINEATOR POST)WILL BE INSTALLED AT EACH END OF EACH RUN OF BITUMINOUS CURB.
- BACKING UP BITUMINOUS OR CONCRETE SLIPFORM CURB IS INCIDENTAL TO THE CURB ITEMS.IN AREAS WHERE NEW BITUMINOUS OR CONCRETE SLIPFORM CURB IS DESIGNATED TO REPLACE EXISTING,THE REMOVAL OF THE OLD BITUMINOUS OR CONCRETE SLIPFORM CURB SHALL BE INCIDENTAL TO THE NEW CURB.IF CALLED FOR ON THE PLANS OR DIRECTED BY THE RESIDENT,LOAM OR DIRTY BORROW WILL BE PAID FOR SEPARATELY.
- LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS.ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.
- UNLESS OTHERWISE NOTED SEEDING METHOD NO.1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS;SEEDING METHOD NO.2 SHALL BE UTILIZED ON ALL OTHER AREAS.
- 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.
- 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 STANDARD SPECIFICATIONS ITEM 627.78,TEMPORARY PAVEMENT MARKING LINE,WHITE OR YELLOW.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING MAILBOXES TO ENSURE THAT THE MAIL WILL BE DELIVERABLE.PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 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.

- AREAS ON THE PROJECT REQUIRING FILL WILL COME FROM SUITABLE SITES SUCH AS EXCAVATION,DITCH AND INSLOPE OR EQUIPMENT RENTAL AREAS.
- 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.
- 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.
- "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.
- FINAL STRIPING AND MARKING FOR THE PROJECT SHALL BE DONE BY THE CONTRACTOR PER THE STRIPING AND MARKING LAYOUT IN THE CONTRACT DOCUMENTS OR AS PROVIDED BY THE DEPARTMENT.ACTUAL MARKING LOCATIONS SHALL BE DETERMINED BY THE REGION TRAFFIC ENGINEER.PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT ITEMS.
- THE CONTRACTOR WILL PLACE APPROPRIATELY-MARKED STAKES AT THE FOLLOWING LOCATIONS ON THE PROJECT:STRIPING PATTERN CHANGES,CROSS-SLOPE CHANGES, AND EVERY 500 FEET FOR STATIONING.THE CONTRACTOR WILL PAINT EVERY FULL STATION (100 FEET) 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 THE SURFACE.STATIONING CONTROL MUST BE PLACED BEFORE WORK CAN COMMENCE.CROSS-SLOPE AND STRIPING CHANGE CONTROLS MUST BE PLACED BEFORE PAVING CAN COMMENCE.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL,FEBRUARY 2008.

6		SHEET NUMBER		SANFORD STATE ROUTE 4		STATE OF MAINE	
						DEPARTMENT OF TRANSPORTATION	
GENERAL NOTES		AC-STP-1900(100)		WIN 19001.00		HIGHWAY PLANS	
		PROJ. MANAGER		E. MARTIN	BY	DATE	SIGNATURE
		DESIGN-DETAILED		E. MALONEY	M. RAENZ	2/11/2022	
		CHECKED-REVIEWED		N. FOX	-	-	
		DESIGN2-DETAILED2		-	-	-	
		DESIGN3-DETAILED3		-	-	-	
		REVISIONS 1		-	-	-	
		REVISIONS 2		-	-	-	P.E. NUMBER
		REVISIONS 3		-	-	-	
		REVISIONS 4		-	-	-	
		FIELD CHANGES		-	-	-	
						DATE	

STANDARD 8Ø NEMA CONTROLLER



SIGNAL PHASING DATA								
SIGNAL PHASING (ALL ENTRIES BELOW ARE IN SECONDS)								
PHASE	φ1	φ2	φ3	φ4	φ5	φ6	φ7	φ8
INITIAL	5	10	-	5	5	10	-	5
VEH. EXT.	3	3	-	3	3	3	-	3
MAX GREEN	5	39	-	17	16	28	-	5
YELLOW	4	5	-	4	4	5	-	4
ALL RED	2	2	-	2	2	2	-	2
RECALL	NONE	MIN	-	NONE	NONE	MIN	-	NONE
FLASH	R	Y	-	R	R	Y	-	R

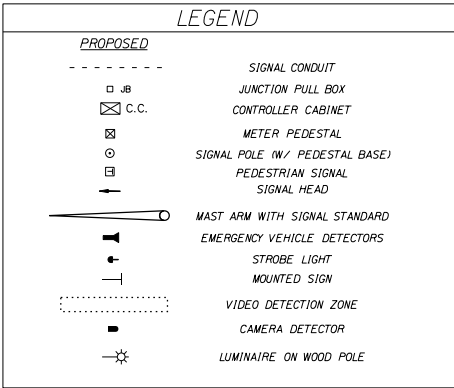
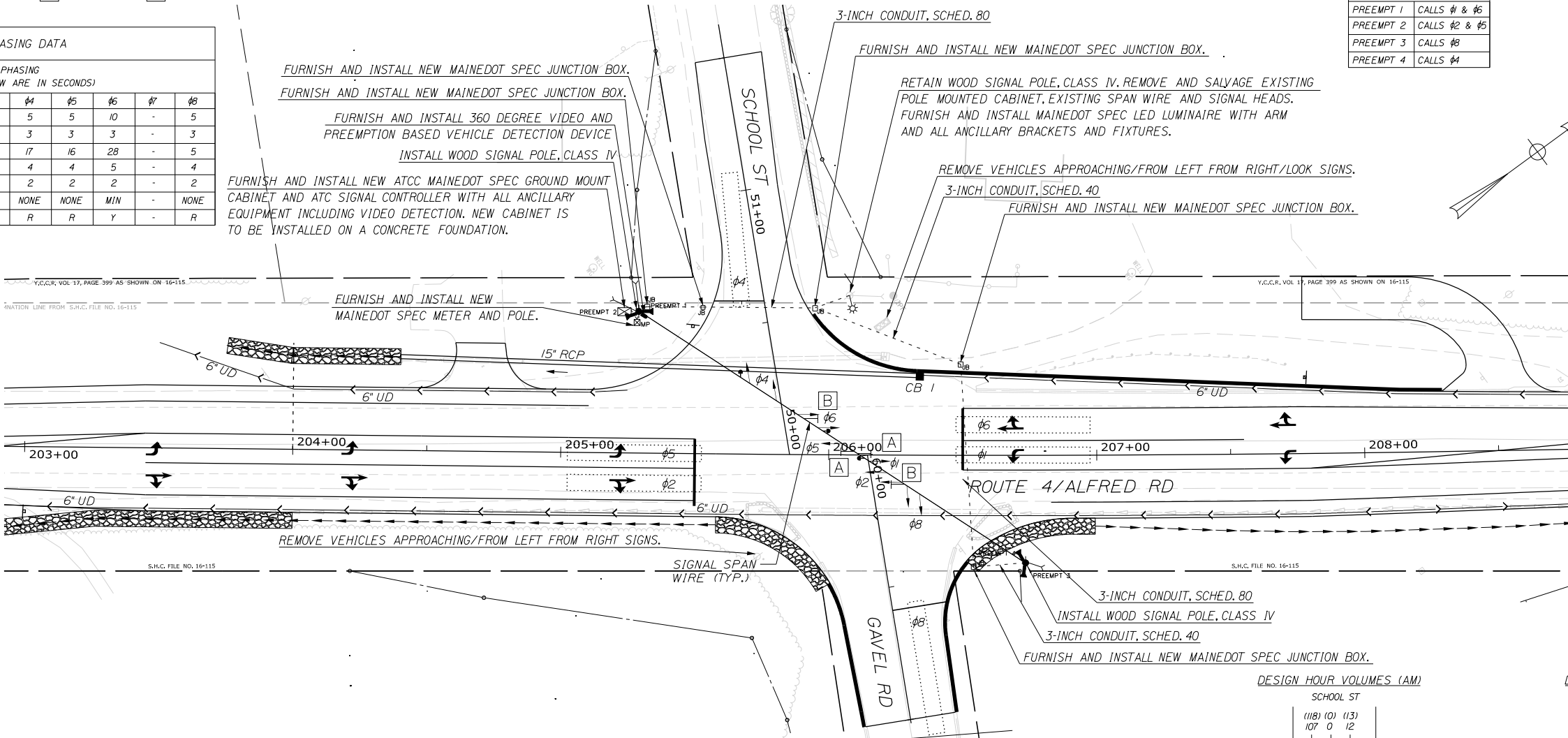
- NOTES**
1. ALL SIGNAL EQUIPMENT SHALL BE INSTALLED PER MUTCD 2009 EDITION STANDARDS AND THE MAINE DOT STANDARD SPECIFICATIONS, 2020.
 2. CONTRACTOR SHALL PROVIDE UNIFORMED OFFICERS FOR TRAFFIC CONTROL DURING NEW SIGNAL INSTALLATION AND PROVIDE APPROPRIATE MUTCD CONSTRUCTION WARNING SIGNS.
 3. SIGNAL TIMING MAY BE ADJUSTED TO ENSURE THE SIGNAL IS OPERATING AS WELL AS POSSIBLE. THIS WORK SHALL BE INCIDENTAL TO ITEM 652.36. AND MUST BE APPROVED BY THE RESIDENT.
 4. REMOVAL OF THE EXISTING TRAFFIC CONTROL EQUIPMENT AND POLES SHALL BE INCIDENTAL TO THE INSTALLATION OF THE NEW SIGNAL SYSTEM. THE EXISTING EQUIPMENT SHALL BE SALVAGED TO THE STATE OF MAINE DOT.
 5. CONDUIT SHALL BE A MINIMUM OF 36 INCHES DEEP.
 6. THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH UTILITY UPON AWARD OF THE CONTRACT.
 7. ALL SPLICES WILL BE MADE IN THE CABINETS OR POLES MEETING MAINEDOT SPECIFICATIONS.
 8. TWO COPIES OF THE SIGNAL CONTROLLER MANUAL AND TWO COPIES OF AS-BUILT PLANS SHALL BE LEFT IN THE CONTROLLER CABINET. ONE ELECTRONIC COPY OF EACH SHALL BE PROVIDED TO THE TOWN ELECTRICIAN.

9. CONTRACTOR SHALL PROVIDE AND INSTALL ALL JUNCTION BOXES.
10. UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY AND THE CONTRACTOR IS RESPONSIBLE FOR FINDING EXACT LOCATIONS OF UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT DIG SAFE AT 1-888-DIG-SAFE.
11. THE MAINTENANCE OF TRAFFIC SIGNALS SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR UNTIL FINAL ACCEPTANCE BY MAINEDOT.
12. ALL TRAFFIC SIGNALS SHALL BE 12 INCH DIAMETER WITH L.E.D. LENSES AND SHALL HAVE 5 INCH BACK PLATES WITH YELLOW RETROREFLECTIVE TAPE ALONG ALL BORDERS.
13. THE COST OF THE RISERS AND OVERHEAD LANE USE SIGNS SHALL BE INCIDENTAL TO ITEM 643.80.
14. PROPOSED SIGNS ON STRAIN POLE SPAN WIRE SHALL BE INCIDENTAL TO ITEM 643.80.
15. INSTALL SECONDARY SPAN WIRE FOR STABILIZATION OF SIGNAL HEADS AND SIGNS.
16. LED LUMINAIRE WITH ARM TO BE INSTALLED ON TOP OF EXISTING POLE, WITH DISTRIBUTION TYPE 3. CONTRACTOR SHALL PROVIDE MANUFACTURE LIGHTING DESIGN FOR APPROVAL BY RESIDENT.

EMERGENCY VEHICLE PREEMPTION NOTES

1. EMERGENCY VEHICLE PREEMPTION SIGNALS SHALL BE TRANSMITTED BY OPTICAL EMITTERS INSTALLED BY OTHERS IN EMERGENCY VEHICLES.
2. CONTRACTOR SHALL CONFIRM OPERATIONAL COMPATIBILITY OF NEW OPTICAL PREEMPTION RECEIVERS AND CONFIRMATION STROBE WITH EXISTING PREEMPTION EQUIPMENT OF CITY OF SANFORD EMERGENCY VEHICLES BEFORE INSTALLING.
3. EMERGENCY OPTICAL PREEMPTION RECEIVERS AND CONFIRMATION STROBE SHALL BE ATTACHED TO SPANWIRE WITH APPROVED SPANWIRE MOUNT HARDWARE AND SHALL BE BOTTOM TETHERED.
4. PREEMPTION SIGNALS SHALL BE SERVICED ON A FIRST COME-FIRST SERVED BASIS.
5. MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TERMINATED BY PREEMPTION DEMAND.
6. THE CONFIRMATION STROBE SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PREEMPTION GREEN INDICATION IS ON.

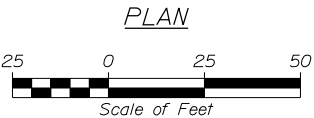
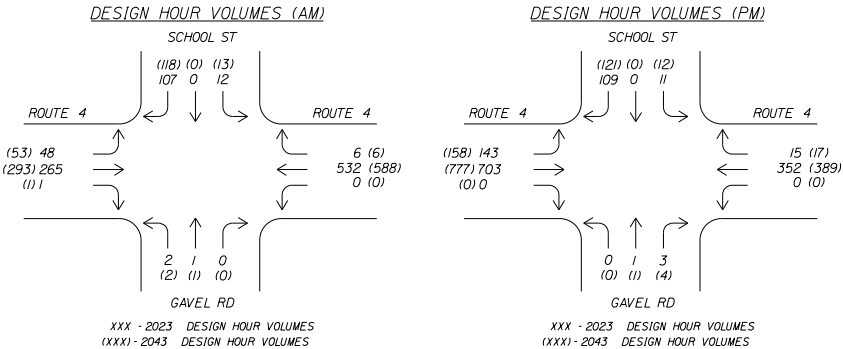
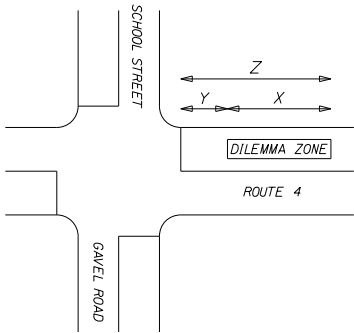
EMERGENCY PREEMPTION	
PREEMPT 1	CALLS φ1 & φ6
PREEMPT 2	CALLS φ2 & φ5
PREEMPT 3	CALLS φ8
PREEMPT 4	CALLS φ4



LIST OF MAJOR ITEMS	
EQUIPMENT AND WORK ITEM 643.80	QUANTITY
WOOD POLE, CLASS IV	2
ATC CONTROLLER, ATCC CONTROL CABINET AND METER	1
GROUND MOUNTED CABINET FOUNDATION (ITEM 626.38)	1
NEW SPAN WIRE	2
ONE-WAY, 3 SECTION, 12-INCH SIGNAL HEAD	8
ONE-WAY, 4 SECTION, 12-INCH SIGNAL HEAD	2
LED LUMINAIRE WITH ARM ON EXISTING SIGNAL POLE	1
VIDEO DETECTION SYSTEM (ITEM 643.83)	1
PRECAST CONCRETE JUNCTION BOX (ITEM 626.11)	5
3-INCH NON-METALLIC CONDUIT, SCHED. 40 (ITEM 626.22)	150 LF
3-INCH NON-METALLIC CONDUIT, SCHED. 80 (ITEM 626.51)	130 LF
PREEMPTION SYSTEM (ITEM 643.712)	1

SPEED (MPH)	X (DIST.)	Y (DIST.)	Z (DIST.)
35	152'	102'	254'
40	162'	122'	284'
45	175'	152'	327'
50	181'	172'	353'
55	152'	234'	386'

ADVANCE DILEMMA ZONE SETUP
SOURCE: TRAFFIC DETECTOR HANDBOOK:
THIRD EDITION, VOLUME 1



Date:6/28/2023

Username:

Division: HIGHWAY

Filename: ... \Bentley\ustn\009_HDPLAN02.dgn

DRIVES & ENTRANCES

STA. 204+70 LT PAVED
STA. 205+85.37 LT PAVED (SCHOOL ST.)
STA. 206+14.44 RT PAVED (GAVEL RD.)
STA. 208+48.50 LT PAVED

REMOVE MANHOLE OR CATCH BASIN (ITEM 202.15)

STA. 206+21.01 36.75 LT.

MAILBOX REMOVE & RESET (ITEM 606.52)

STA. 204+57 LT.
STA. 206+44 RT.
STA. 208+73 LT.

ITEM 609.31 - CURB TYPE 3

STA. 206+00 TO STA. 208+30 LT
STA. 60+45 TO STA. 61+00 RT
STA. 60+45 TO STA. 61+00 LT

ITEM 610.08 - PLAIN RIPRAP

STA. 205+58 TO STA. 206+01 RT
STA. 206+51 TO STA. 206+99 RT

ITEM 613.319 - EROSION CONTROL BLANKET

STA. 204+00 TO STA. 205+58 RT
STA. 206+99 TO STA. 209+75 RT
STA. 208+77 TO STA. 209+75 LT

ITEM 620.58 - EROSION CONTROL GEOTEXTILE

STA. 203+75 TO STA. 204+40 LT
STA. 205+58 TO STA. 206+01 RT
STA. 206+51 TO STA. 206+99 LT

ITEM 627.18 - 12 INCH SOLID WHITE PAVEMENT MARKING LINE

STA. 50+60 RT (SCHOOL ST.)
STA. 60+59 RT (GAVEL RD.)
STA. 205+50 RT
STA. 206+50 LT

ITEM 627.733 - 4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE

STA. 203+45 TO STA. 205+50 RT
STA. 206+50 TO STA. 207+55 LT
STA. 206+50 TO STA. 212+50 RT
STA. 206+50 TO STA. 212+50 LT
STA. 206+83 TO STA. 212+50 RT
STA. 207+80 TO STA. 210+25 RT

ITEM 645.106 DEMOUNT REG WARN CONF RTE SIGN
ITEM 645.116 REINSTALL REG WARN CONF RTE SIGN

FROM STATION	TO STATION	OFFSET	DESCRIPTION	QTY
205+51 LT.	205+51	69.3' LT.	ALFRED ROAD/ SCHOOL STREET	2
206+49 RT.	206+49	35.0' RT	GAVEL ROAD/ DEAD END	2

ITEM 645.106 DEMOUNT REG WARN CONF RTE SIGN

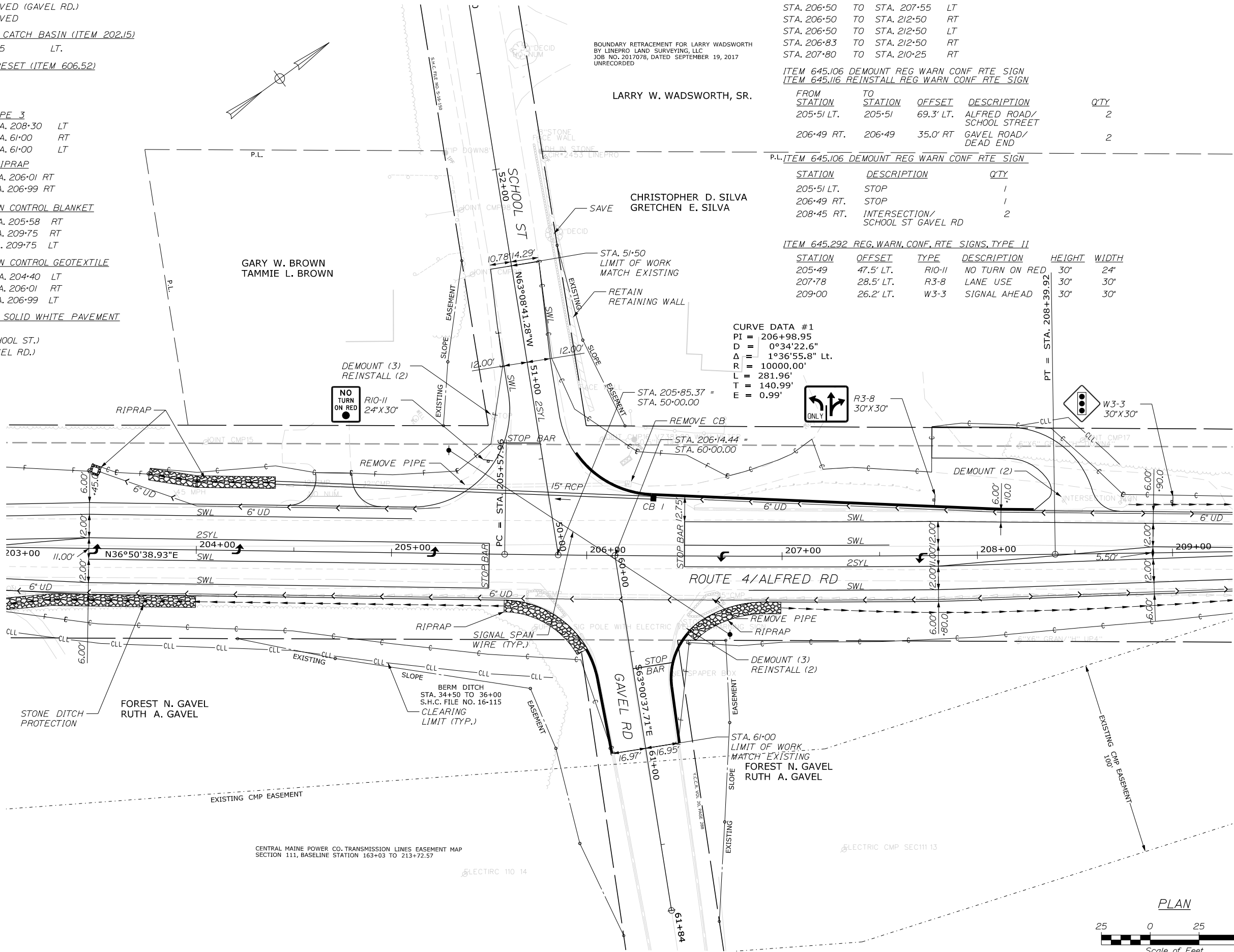
STATION	DESCRIPTION	QTY
205+51 LT.	STOP	1
206+49 RT.	STOP	1
208+45 RT.	INTERSECTION/ SCHOOL ST GAVEL RD	2

ITEM 645.292 REG. WARN. CONF. RTE SIGNS, TYPE II

STATION	OFFSET	TYPE	DESCRIPTION	HEIGHT	WIDTH
205+49	47.5' LT.	R10-II	NO TURN ON RED	30"	24"
207+78	28.5' LT.	R3-8	LANE USE	30"	30"
209+00	26.2' LT.	W3-3	SIGNAL AHEAD	30"	30"

CURVE DATA #1

PI = 206+98.95
D = 0°34'22.6"
Δ = 1°36'55.8" Lt.
R = 10000.00'
L = 281.96'
T = 140.99'
E = 0.99'



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1900(100)

WIN 19001.00
HIGHWAY PLANS

PROJ. MANAGER	DATE	BY	DATE
E. MARTIN	5/26/2023	M. RANZ	5/26/2023
CHECKED-REVIEWED			
DESIGNED-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD
STATE ROUTE 4
PLAN SHEETS

SHEET NUMBER

9

OF 31

Date:6/28/2023

Username:

Division: HIGHWAY

Filename: ... \Bentley\ustn\010_HDPLAN03.dgn

ITEM 610.08 - PLAIN RIPRAP

STA. 210+50 TO STA. 210+54 RT
STA. 210+50 TO STA. 210+54 LT

ITEM 620.58 - EROSION CONTROL GEOTEXTILE

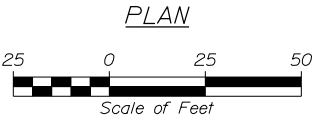
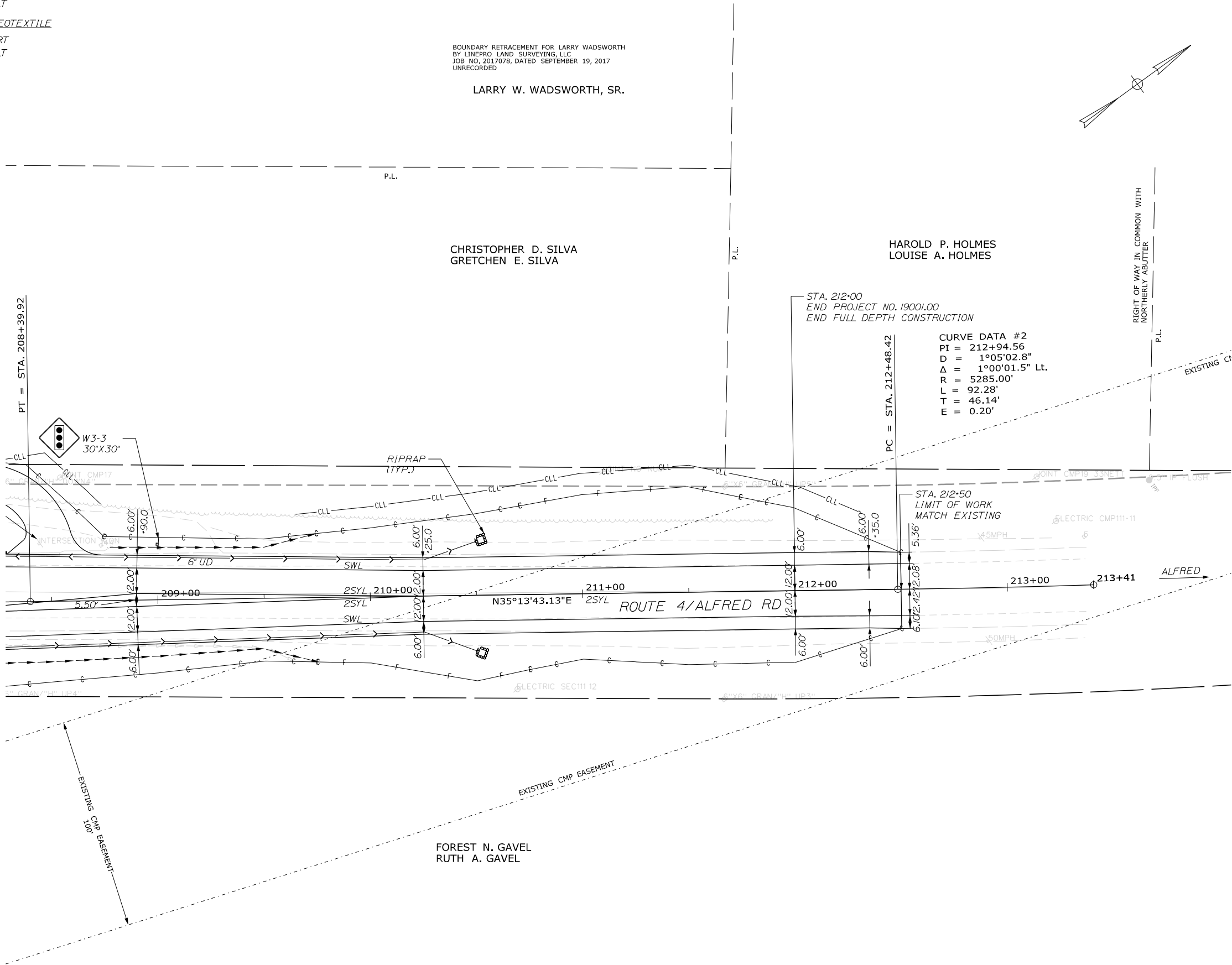
STA. 210+50 TO STA. 210+54 RT
STA. 210+50 TO STA. 210+54 LT

BOUNDARY RETRACEMENT FOR LARRY WADSWORTH
BY LINEPRO LAND SURVEYING, LLC
JOB NO. 2017078, DATED SEPTEMBER 19, 2017
UNRECORDED

LARRY W. WADSWORTH, SR.

CHRISTOPHER D. SILVA
GRETCHEN E. SILVA

HAROLD P. HOLMES
LOUISE A. HOLMES

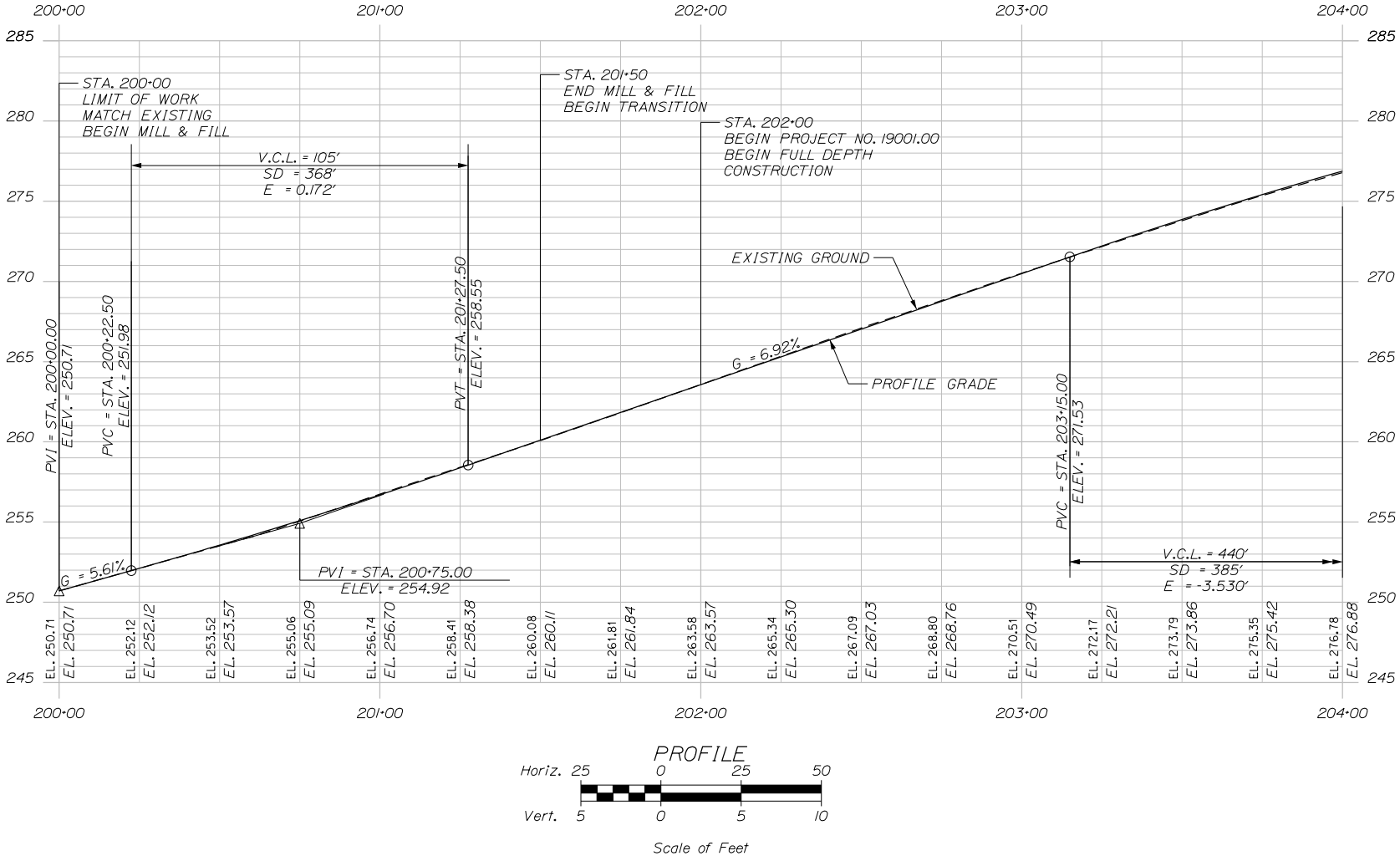


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-STP-1900(100)
WIN 19001.00
HIGHWAY PLANS

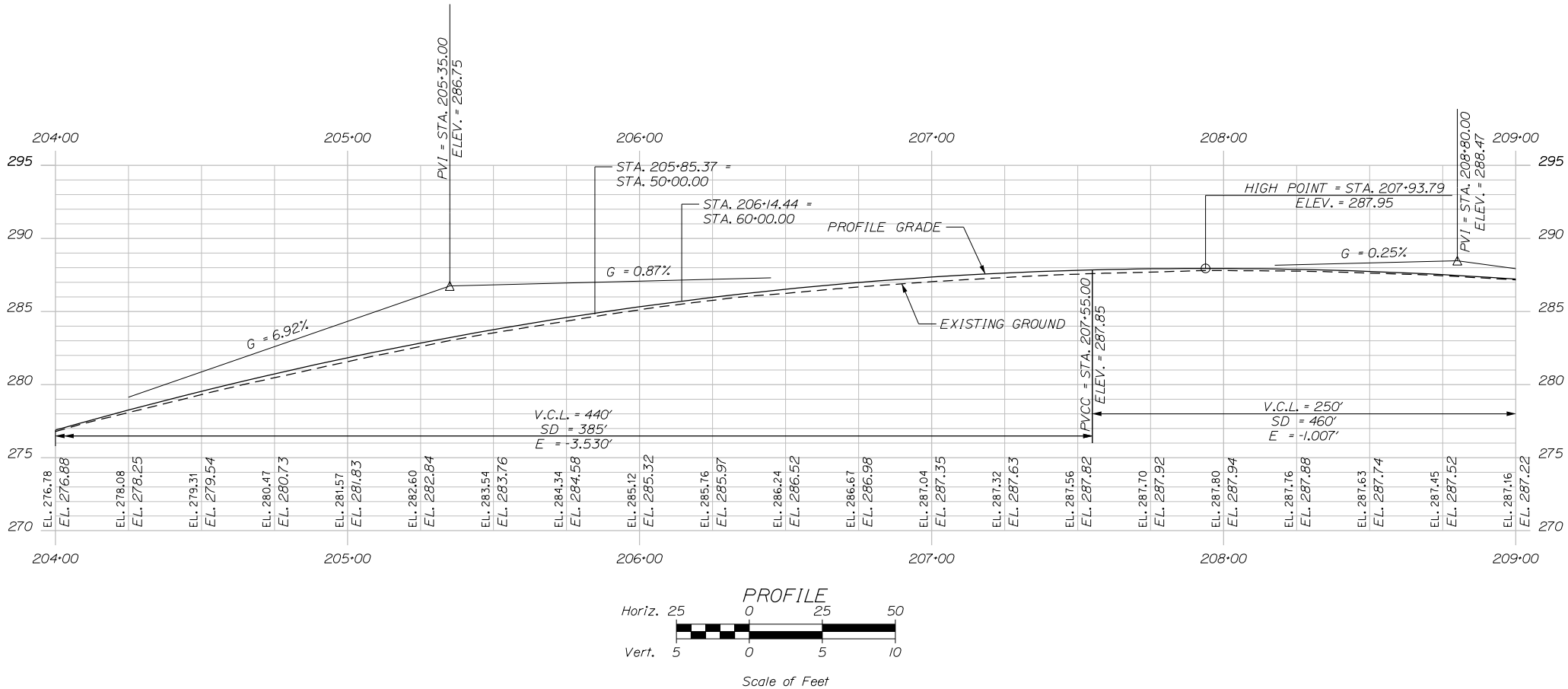
PROJ. MANAGER	BY	DATE
E. MARTIN	M. RAENZ	5/26/2021
CHECKED-REVIEWED N. FOX		5/26/2021
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SANFORD STATE ROUTE 4 PLAN SHEETS

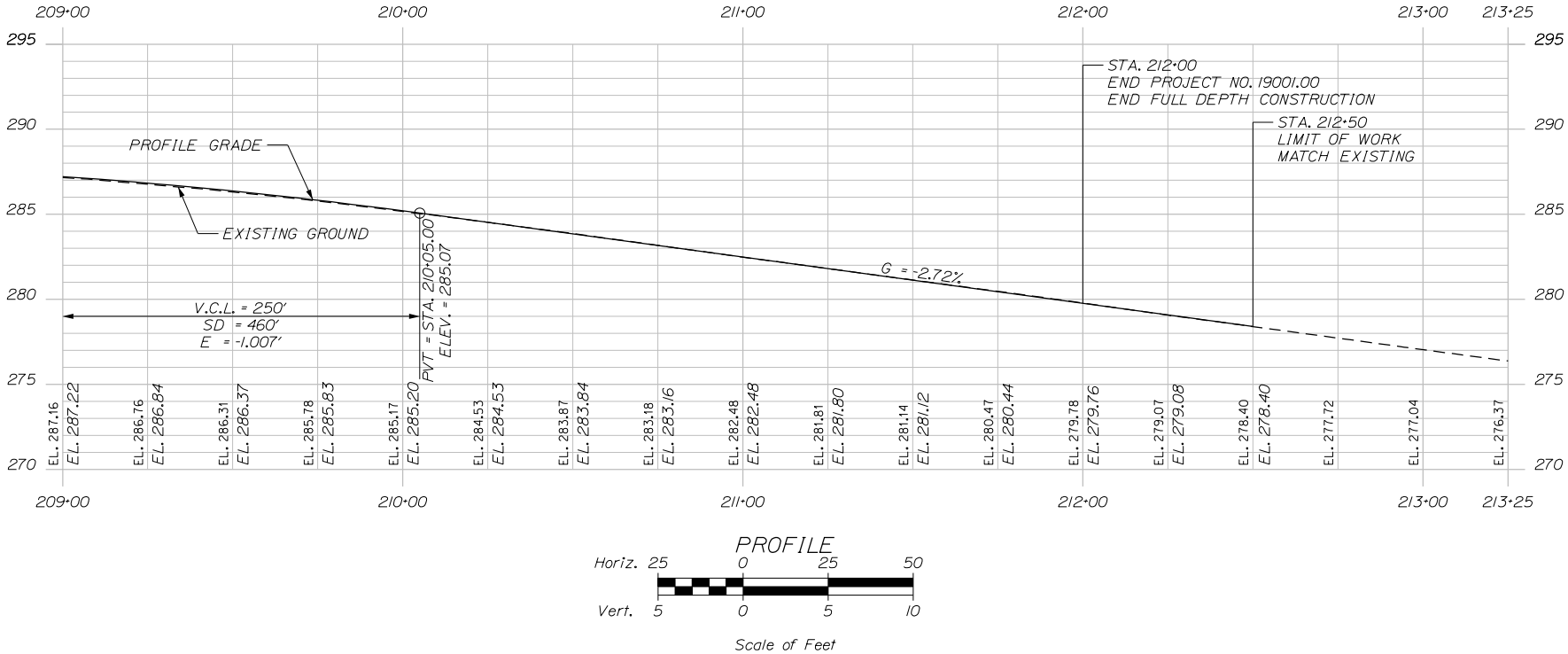
SHEET NUMBER
10
OF 31



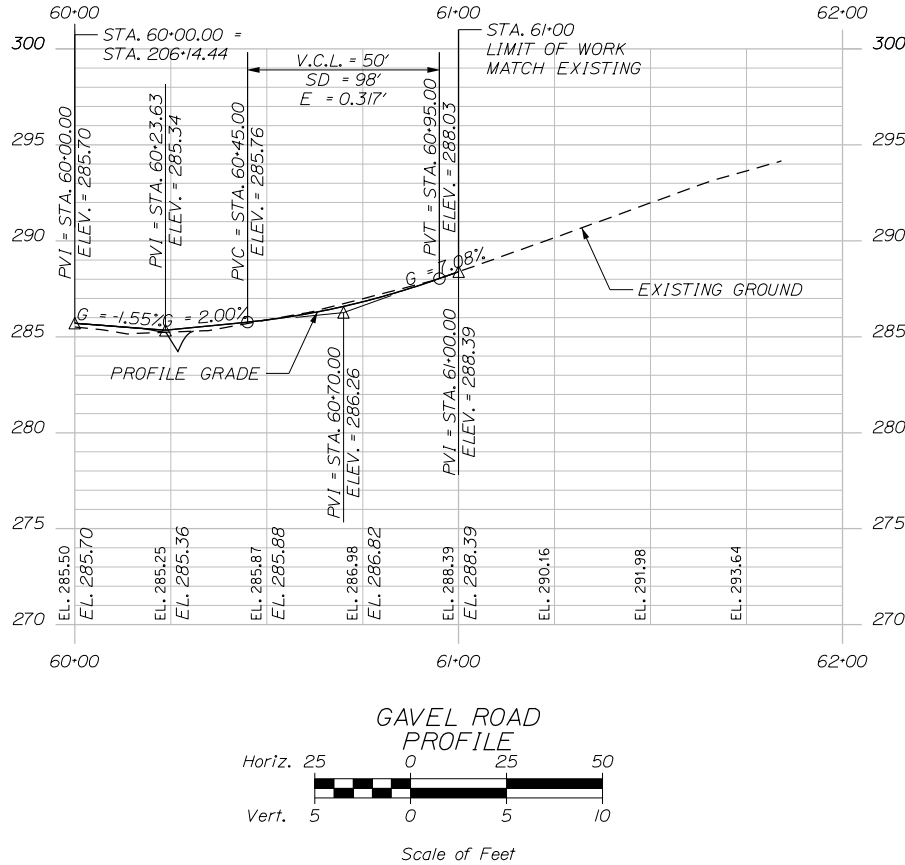
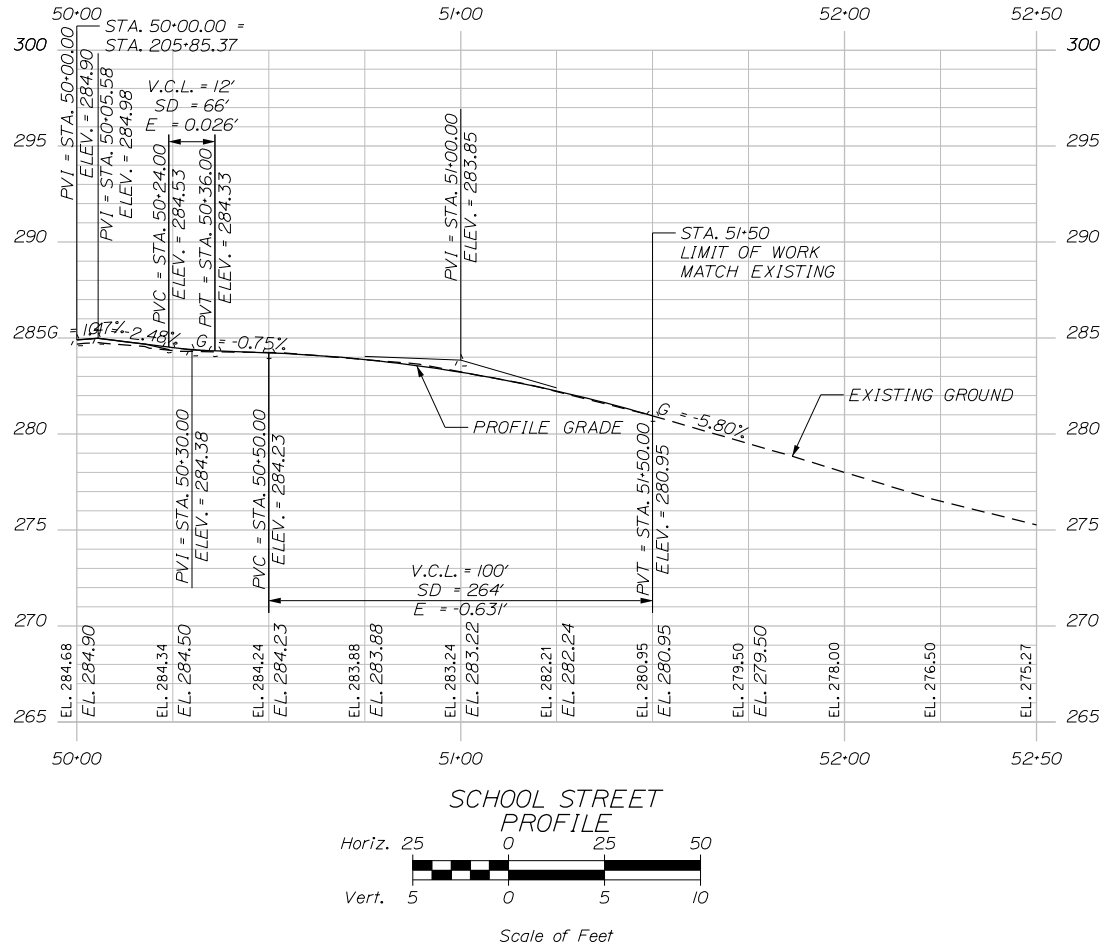
STATE OF MAINE DEPARTMENT OF TRANSPORTATION AC-STP-1900(100)	SIGNATURE			
	P.E. NUMBER			
	DATE			
SANFORD STATE ROUTE 4 PROFILE SHEETS	PROJ. MANAGER	E. MARTIN	BY	DATE
	CHECKED-REVIEWED	E. MALONEY	M. RAENZ	5/26/2021
	DESIGNED-DETAILED	N. FOX	-	5/26/2021
	REVISIONS 1	-	-	-
	REVISIONS 2	-	-	-
SHEET NUMBER 11 OF 31	REVISIONS 3	-	-	-
	REVISIONS 4	-	-	-
	FIELD CHANGES	-	-	-
WIN 19001.00 HIGHWAY PLANS				



SHEET NUMBER	STATE OF MAINE			
	DEPARTMENT OF TRANSPORTATION			
	AC-STP-1900(100)			
12	SIGNATURE			
	P.E. NUMBER			
	DATE			
	FIELD CHANGES			
OF 31		WIN 19001.00		HIGHWAY PLANS



STATE OF MAINE DEPARTMENT OF TRANSPORTATION AC-STP-1900(100)				
	SIGNATURE		BY	DATE
	P.E. NUMBER			
SHEET NUMBER 13 OF 31	DATE			
	WIN 19001.00			
	HIGHWAY PLANS			

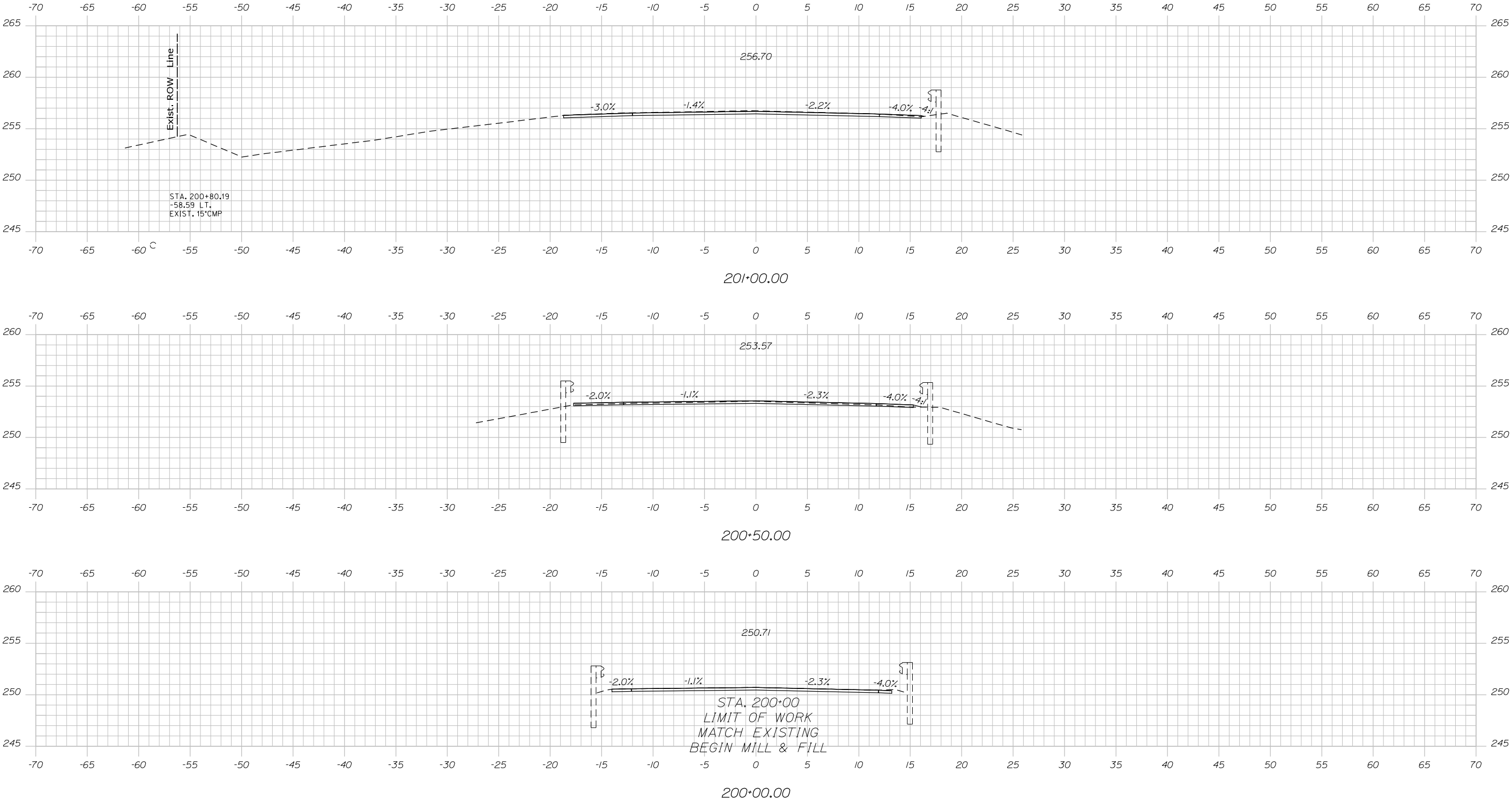


PROJ. MANAGER	E. MARTIN	BY	DATE	STATE OF MAINE	
				DEPARTMENT OF TRANSPORTATION	
DESIGN-DETAILED	E. MALONEY	M. RAENZ	5/26/2021	AC-STP-1900(100)	
CHECKED-REVIEWED	N. FOX	-	5/26/2021		
DESIGN-DETAILED	-	-	-	WIN 19001.00	
DESIGN-DETAILED	-	-	-		
REVISIONS 1	-	-	-	HIGHWAY PLANS	
REVISIONS 2	-	-	-		
REVISIONS 3	-	-	-	DATE	
REVISIONS 4	-	-	-		
FIELD CHANGES	-	-	-		
				SIGNATURE	
				P.E. NUMBER	

Username: Date:6/28/2023

Division: HIGHWAY

Filename: ... \ustm\015_XSECT_200-00_016.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1900(100)

WIN 19001.00HIGHWAY PLANS

PROJ. MANAGER
DESIGN-DETAILED
CHECKED-REVIEWED
DESIGN-DETAILED
REVISIONS 1
REVISIONS 2
REVISIONS 3
REVISIONS 4
FIELD CHANGES

BY
E. MARTIN
M. RAENZ
N. FOX

DATE
5/26/2021
5/26/2021
5/26/2021
5/26/2021
5/26/2021
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SIGNATURE
P.E. NUMBER
DATE

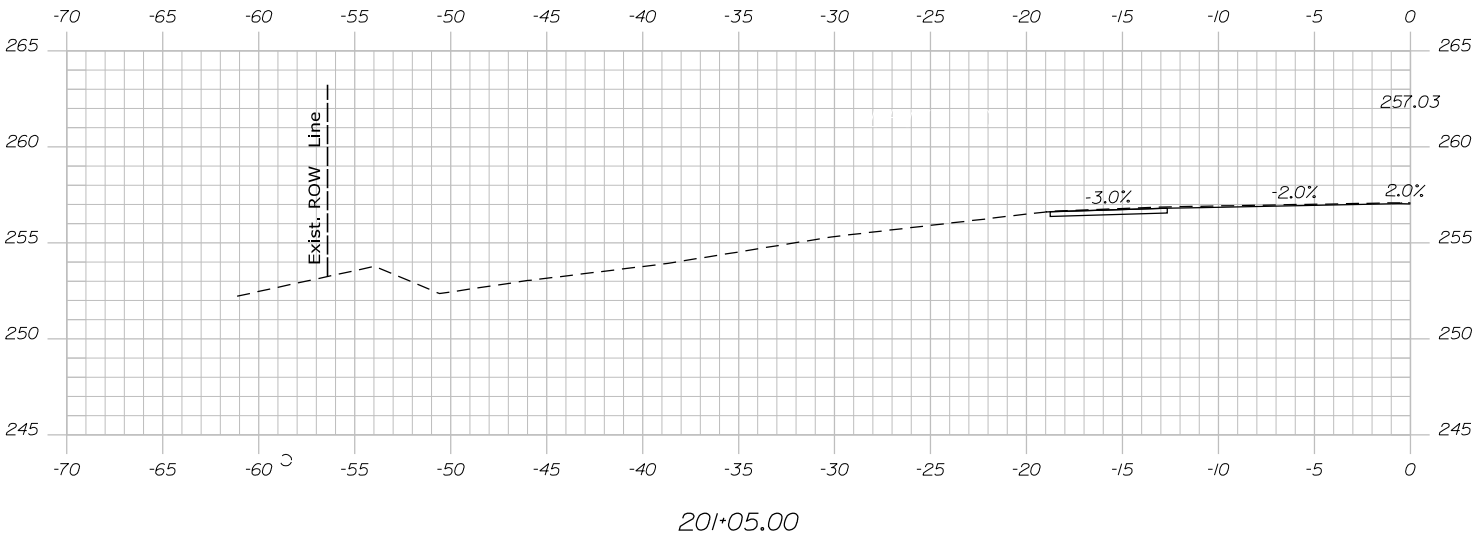
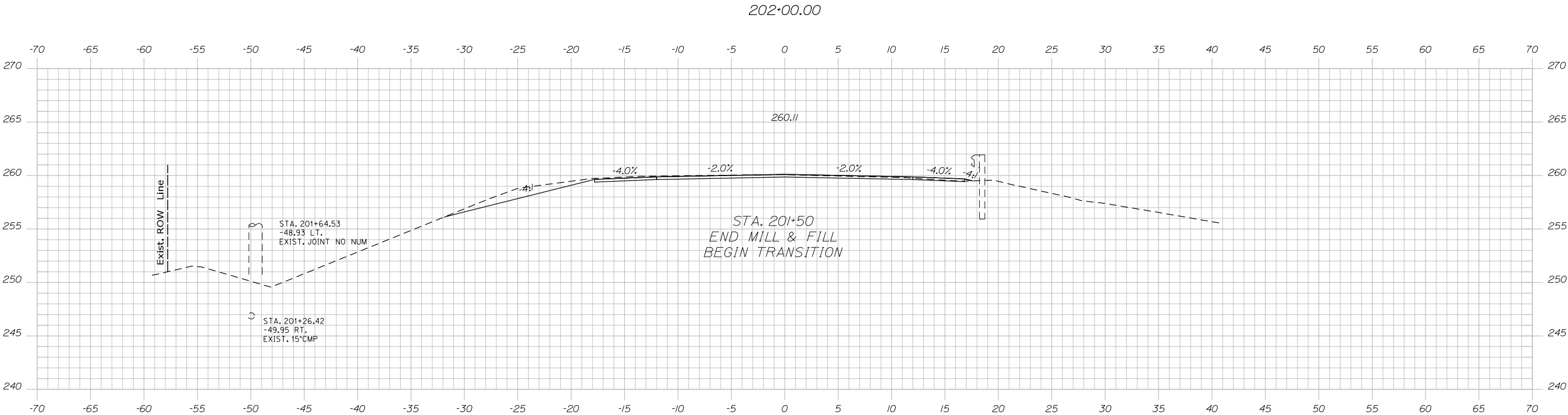
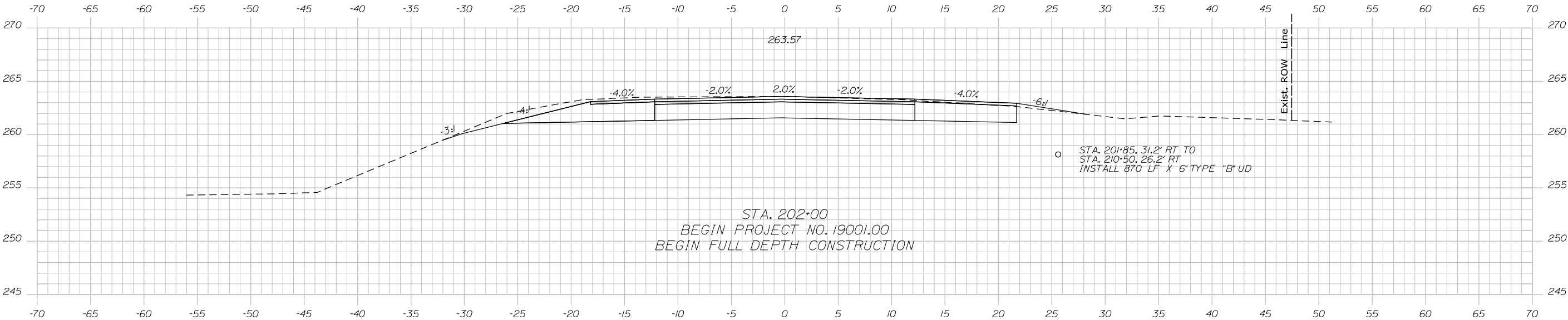
SANFORD
STATE ROUTE 4

CROSS SECTIONS

SHEET NUMBER

15

OF 31



PROJ. MANAGER	BY	DATE
E. MARTIN	M. RAENZ	5/26/2021
CHECKED-REVIEWED	E. MALONEY	5/26/2021
DESIGNED-DETAILED	N. FOX	
DESIGNED-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

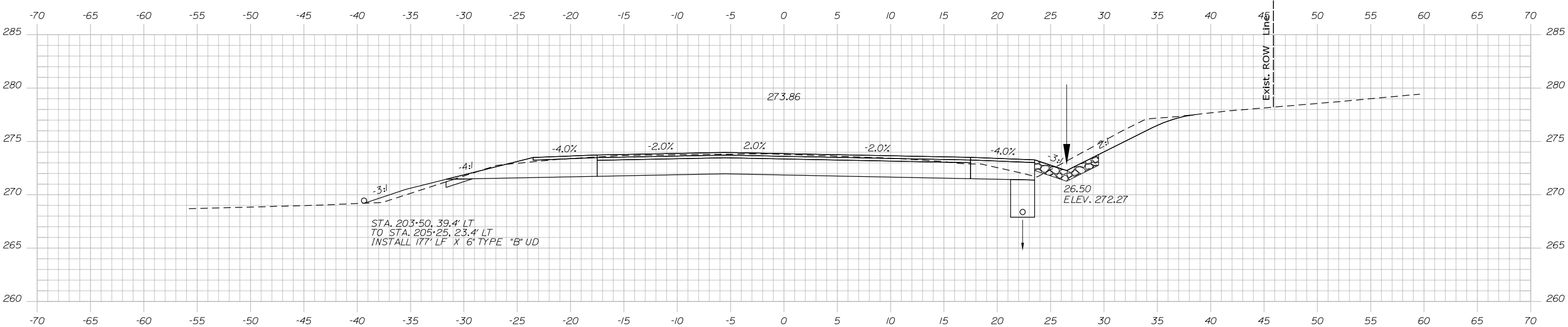
SANFORD STATE ROUTE 4 CROSS SECTIONS
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Date:6/28/2023

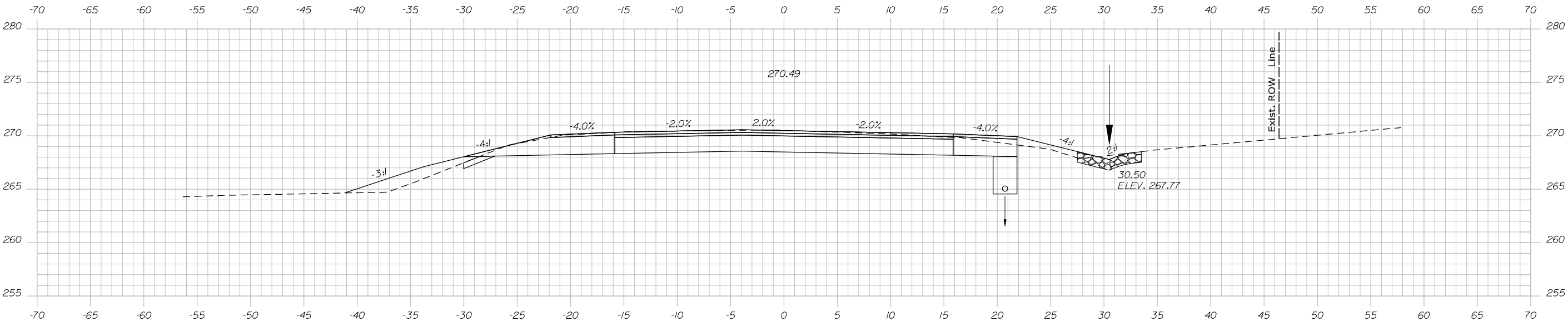
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Division: HIGHWAY

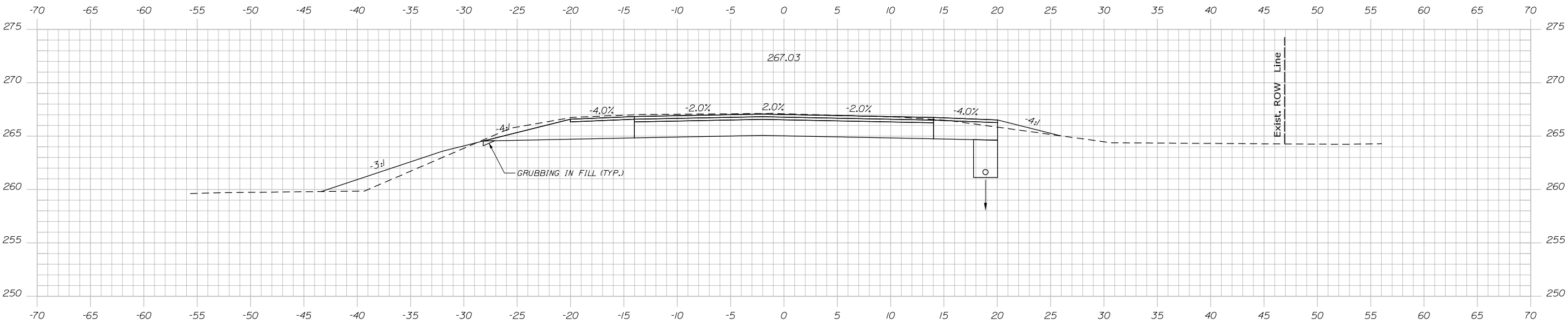
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203+50.00

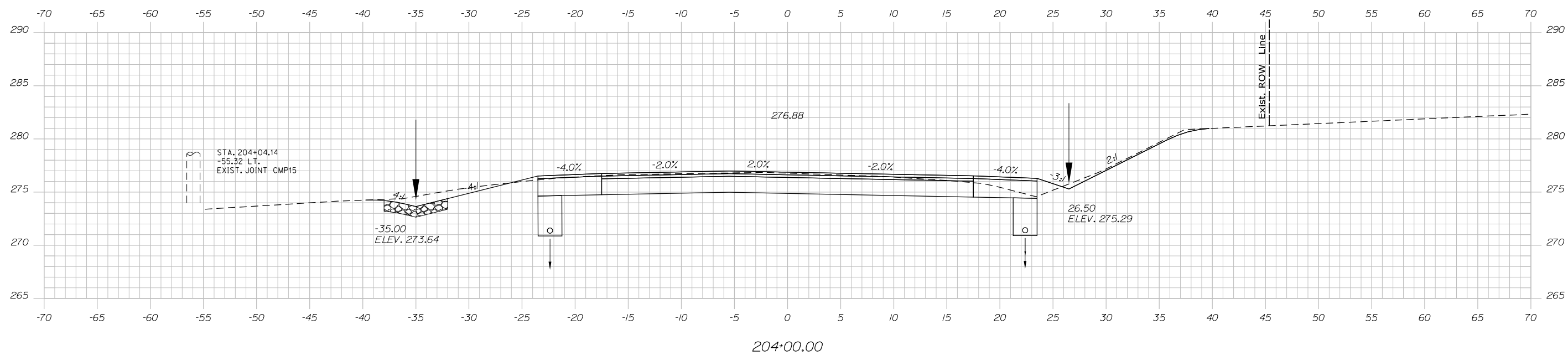
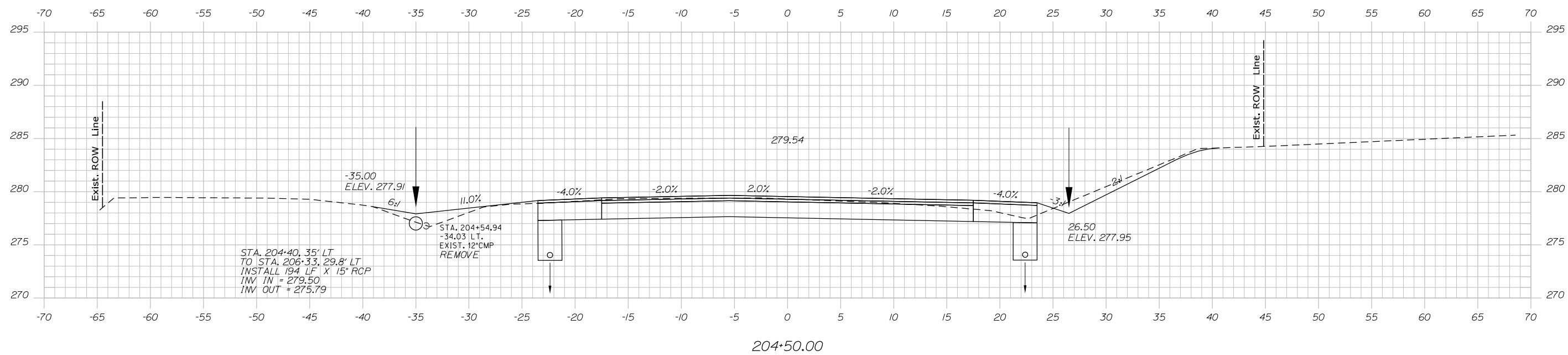
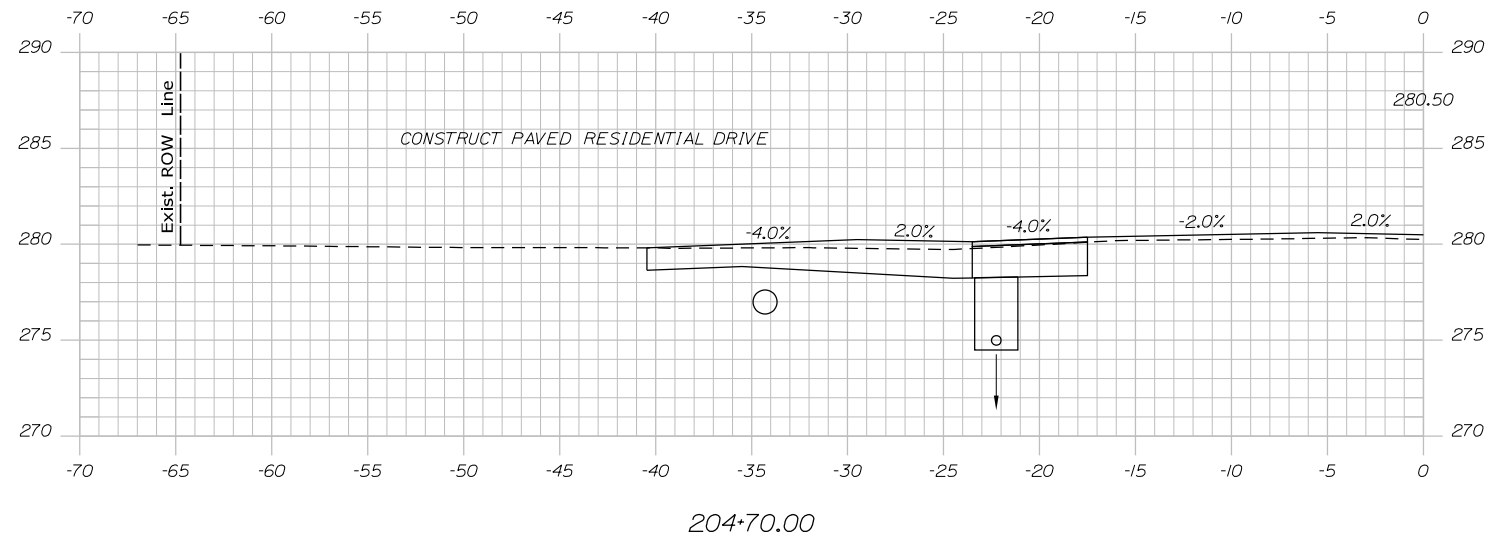


203+00.00



202+50.00

PROJ. MANAGER	DATE	BY
E. MARTIN	5/26/2021	M. RENZ
CHECKED-DETAILED	5/26/2021	SIGNATURE
CHECKED-REVIEWED		
DESIGN-DETAILED		P.E. NUMBER
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		



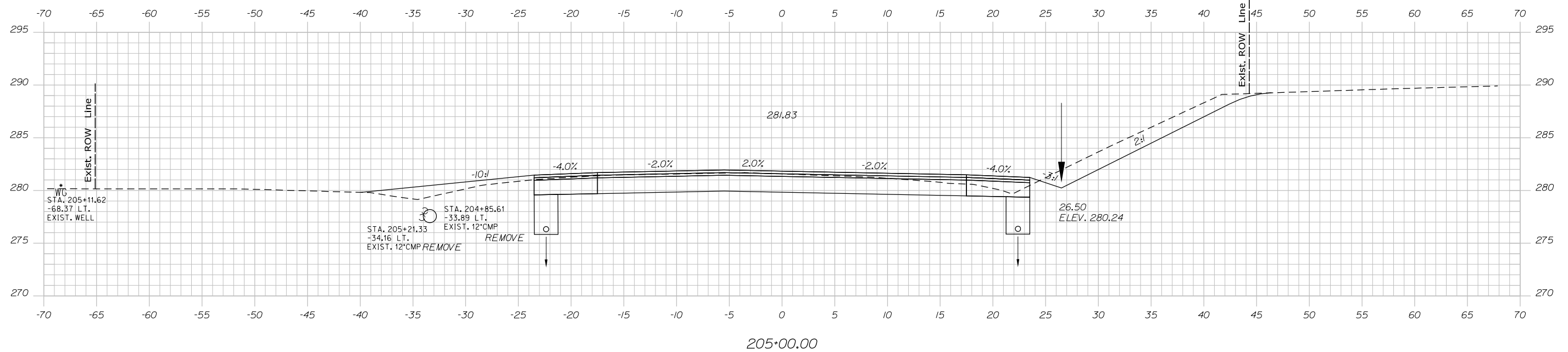
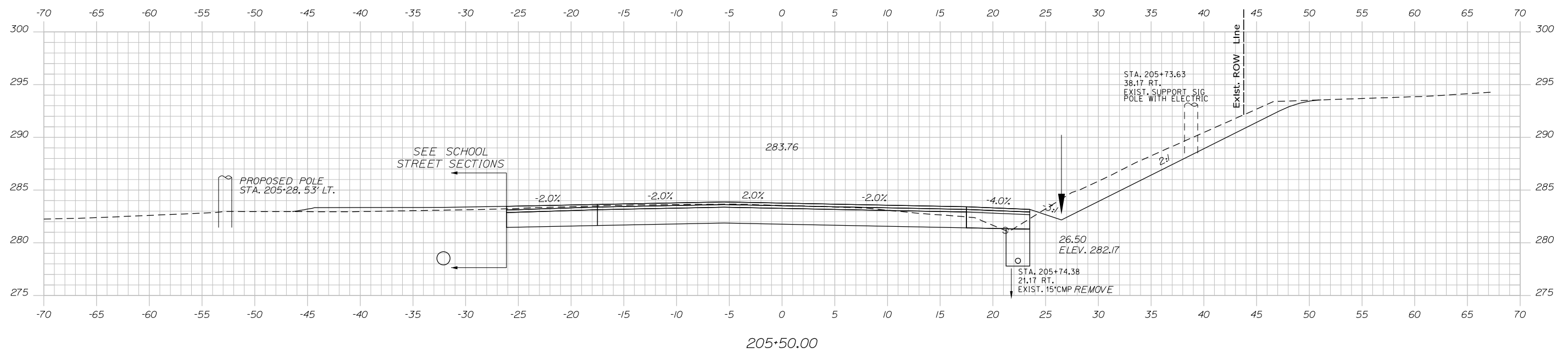
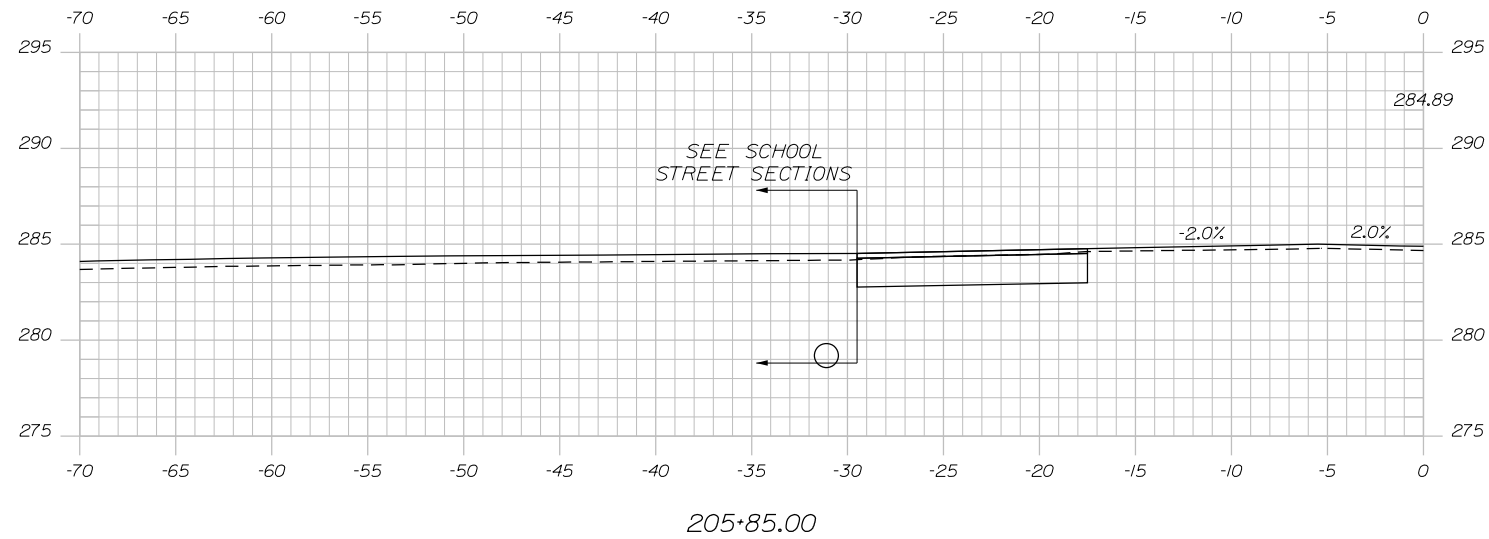
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
AC-STP-1900(100)	
WIN 19001.00	HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	E. MALONEY	M. RAENZ	5/26/2022
CHECKED-REVIEWED	N. FOX	-	5/26/2022
DESIGN-DETAILED	-	-	
DESIGN-DETAILED	-	-	
DESIGNS-DETAILED	-	-	
REVISIONS 1	-	-	
REVISIONS 2	-	-	
REVISIONS 3	-	-	
REVISIONS 4	-	-	
FIELD CHANGES	-	-	
SIGNATURE			
P.E. NUMBER			
DATE			

SANFORD
STATE ROUTE 4

CROSS SECTIONS

SHEET NUMBER
18
OF 31



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

AC-STP-1900(100)

AC-SIP-1900(100)

WIN 19001.00 **HIGHWAY PLANS**

2017

DESIGN-DETAILED	E. MALONEY	M. RANZ	5/26/2022
CHECKED-REVIEWED	N. FOX	-	5/26/2022
DESIGN-DETAILED2	-	-	-
DESIGN-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
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REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-
SIGNATURE			
P.E. NUMBER			
DATE			

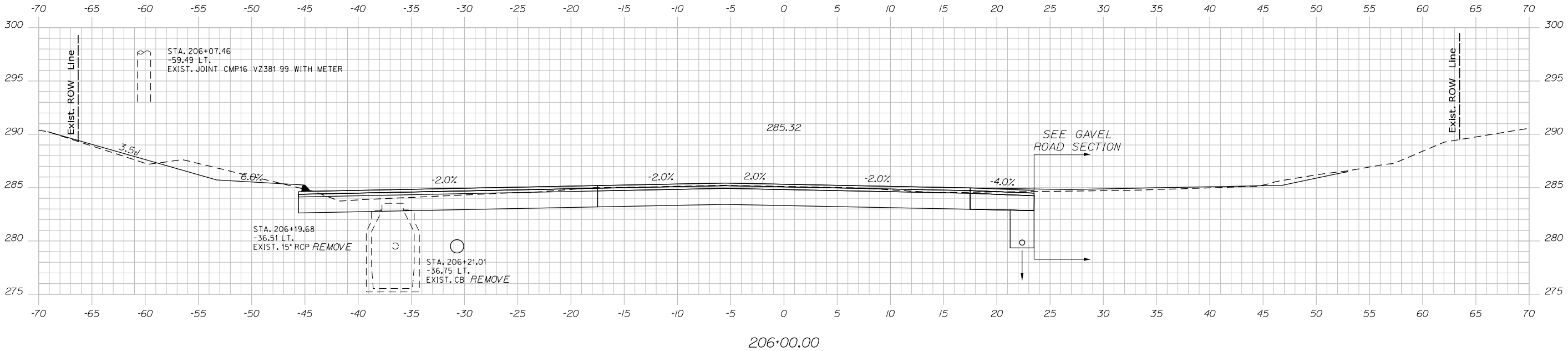
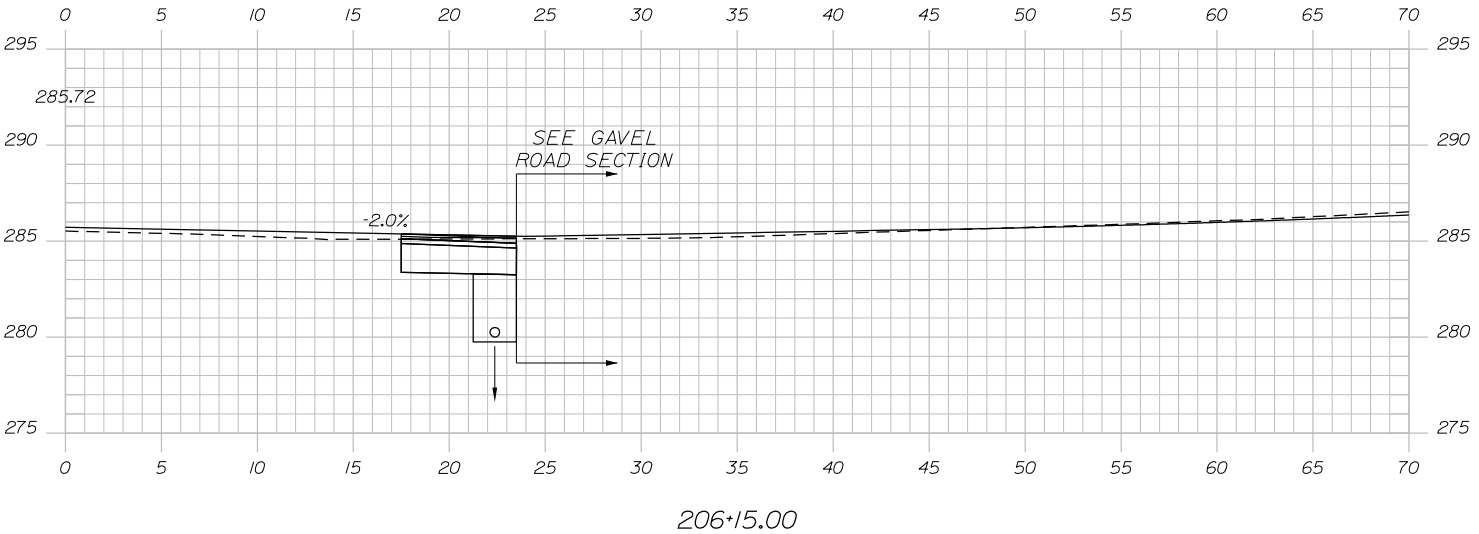
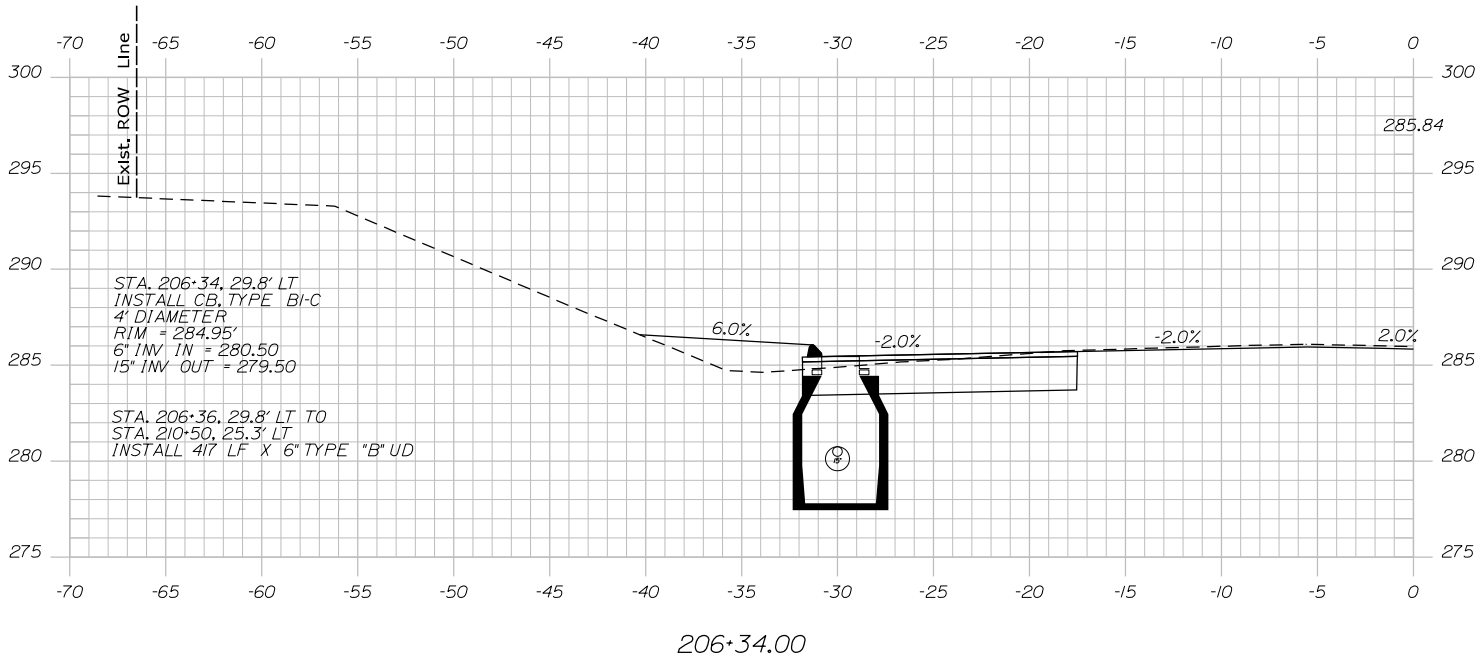
SANFORD STATE ROUTE 4 CROSS SECTIONS

SHEET NUMBER |

19

DF 31

Sta. 205+00.00 to Sta. 205+85.00



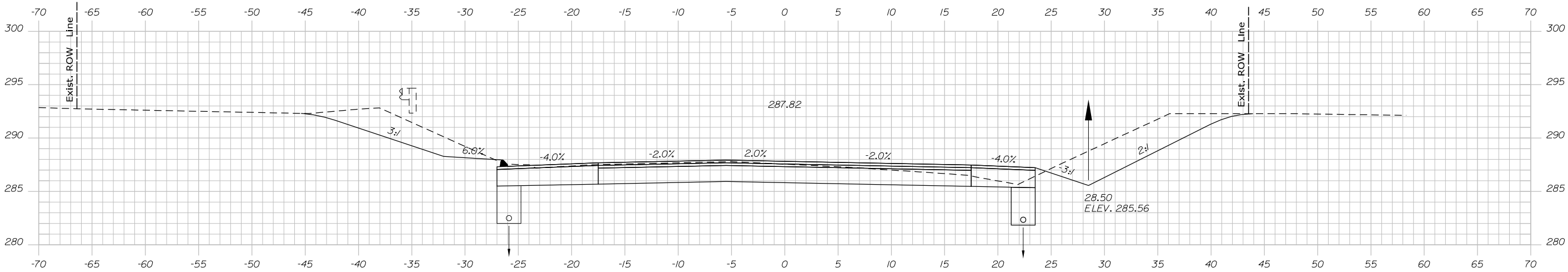
PROJ. MANAGER	BY	DATE
DESIGN-DETAILED E. MARTIN	5/26/2021	
CHECKED-REVIEWED E. MALONEY M. RAENZ	5/26/2021	SIGNATURE
DESIGN-DETAILED E. MALONEY		P.E. NUMBER
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

Date:6/28/2023

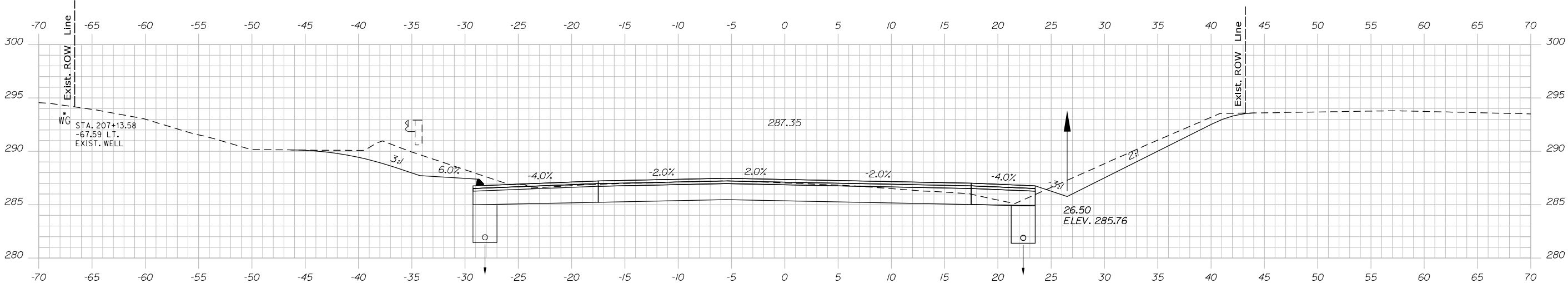
Username:

Division: HIGHWAY

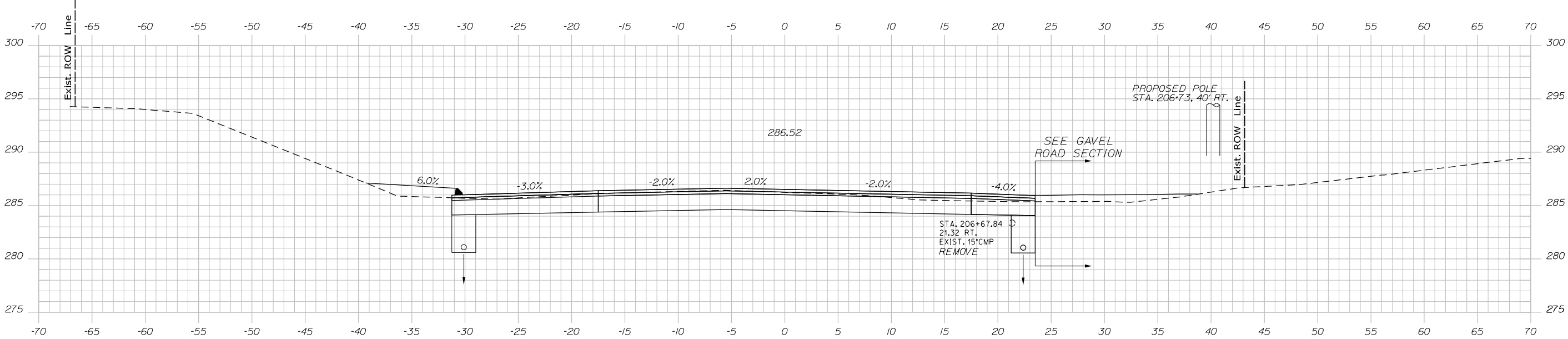
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207+50.00



207+00.00



206+50.00

PROJ. MANAGER	BY	DATE
E. MARTIN	M. RAENZ	5/26/2021
CHECKED-DETAILED	E. MALONEY	SIGNATURE
DESIGNED-DETAILED	N. FOX	P.E. NUMBER
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

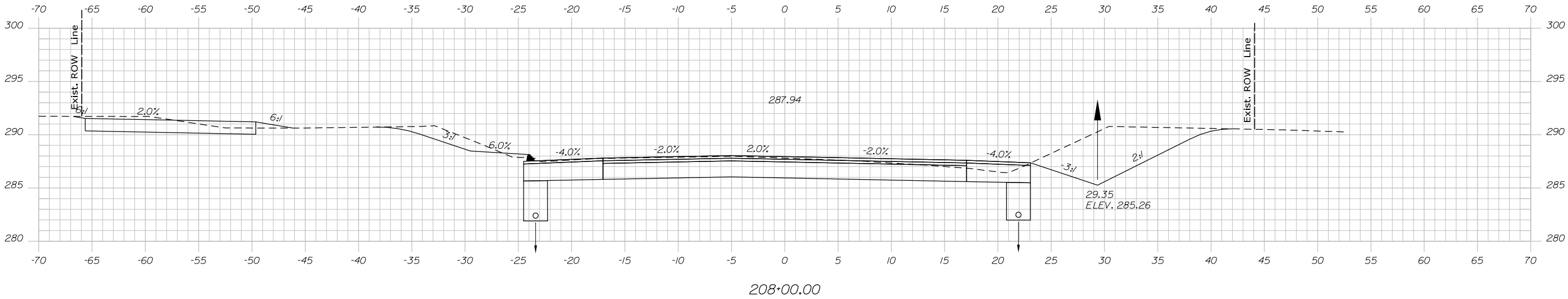
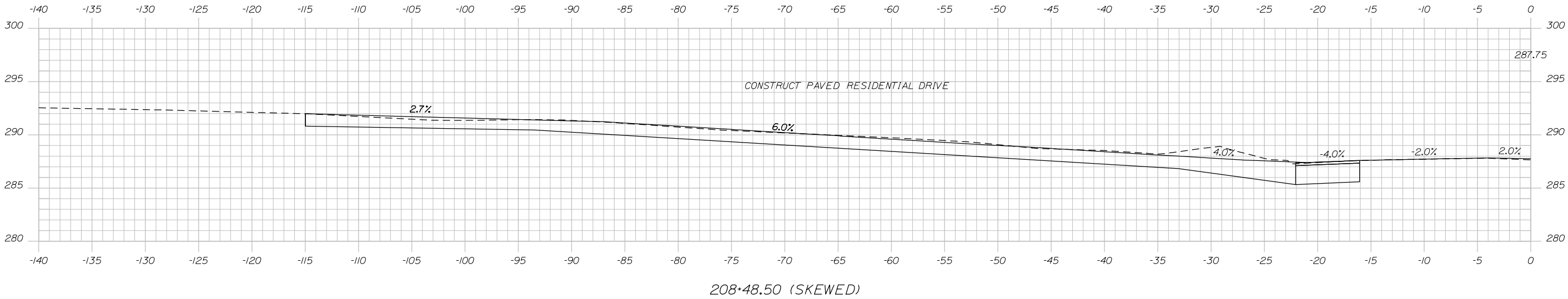
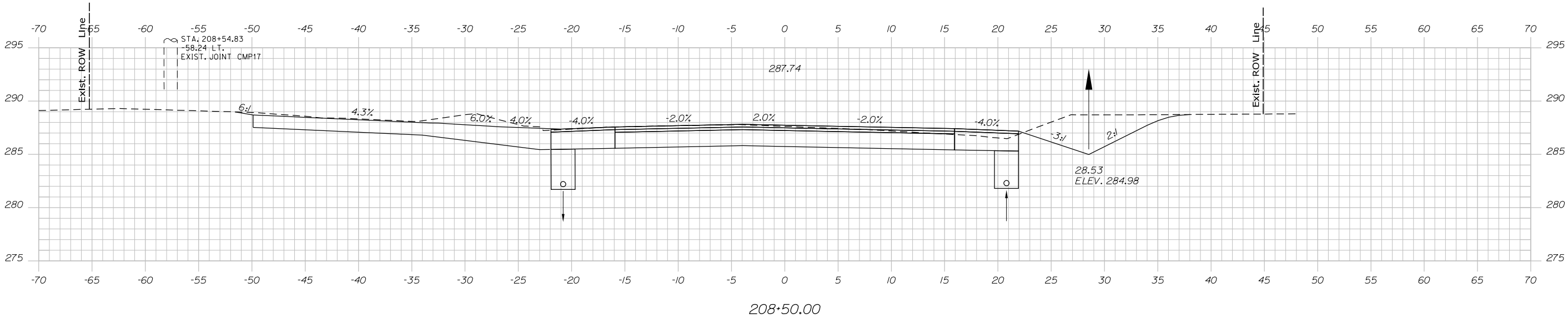
SANFORD
STATE ROUTE 4
CROSS SECTIONS

Date:6/28/2023

Username:

Division: HIGHWAY

Filename: ... \ustm\022_XSECT_208+00_023.dgn



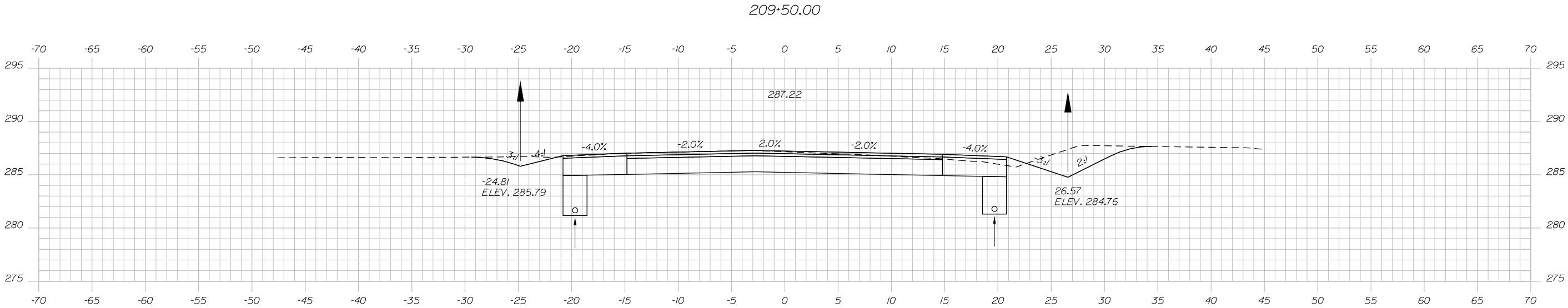
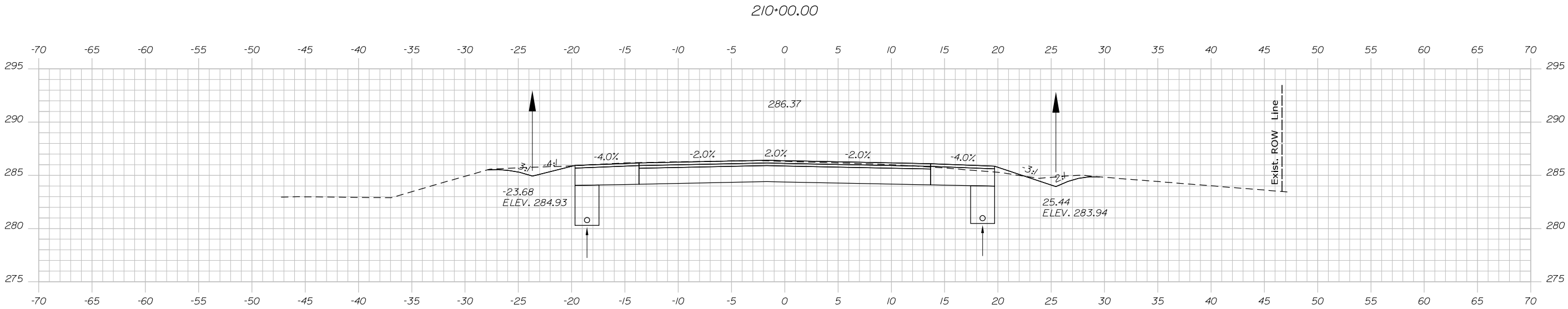
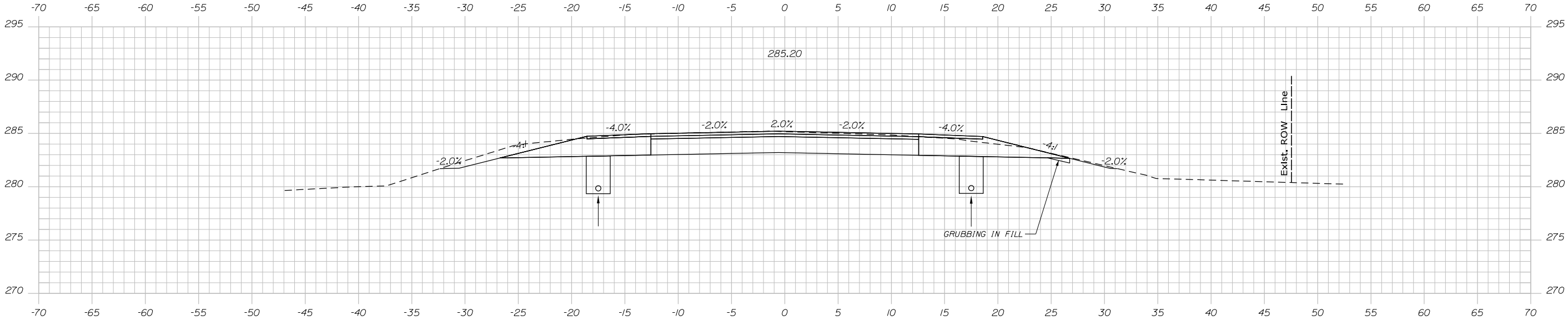
PROJ. MANAGER	BY	DATE
E. MARTIN	M. RAENZ	5/26/2021
CHECKED-REVIEWED	E. MALONEY	5/26/2021
DESIGNED-DETAILED	N. FOX	-
REVISIONS 1	-	-
REVISIONS 2	-	-
REVISIONS 3	-	-
REVISIONS 4	-	-
FIELD CHANGES	-	-

Date:6/28/2023

Username:

Division: HIGHWAY

Filename: ... \ustm\023_XSECT_209+00_024.dgn



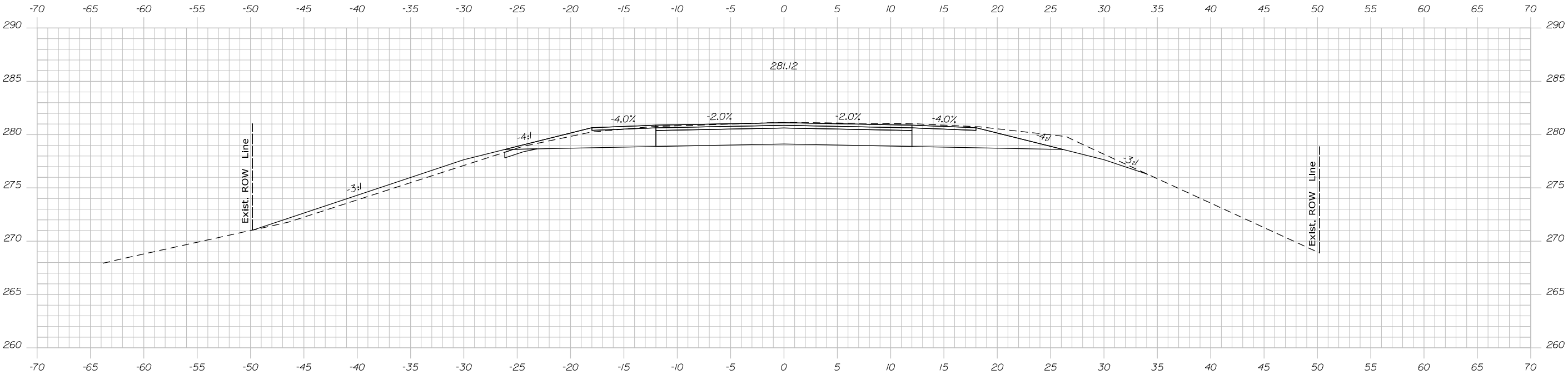
PROJ. MANAGER	BY	DATE
E. MARTIN	M. RENZ	5/26/2023
CHECKED-REVIEWED N. FOX		5/26/2023
DESIGN-DETAILED		SIGNATURE
DESIGN-DETAILED		P.E. NUMBER
REVISIONS 1		DATE
REVISIONS 2		
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REVISIONS 4		
FIELD CHANGES		

Date:6/28/2023

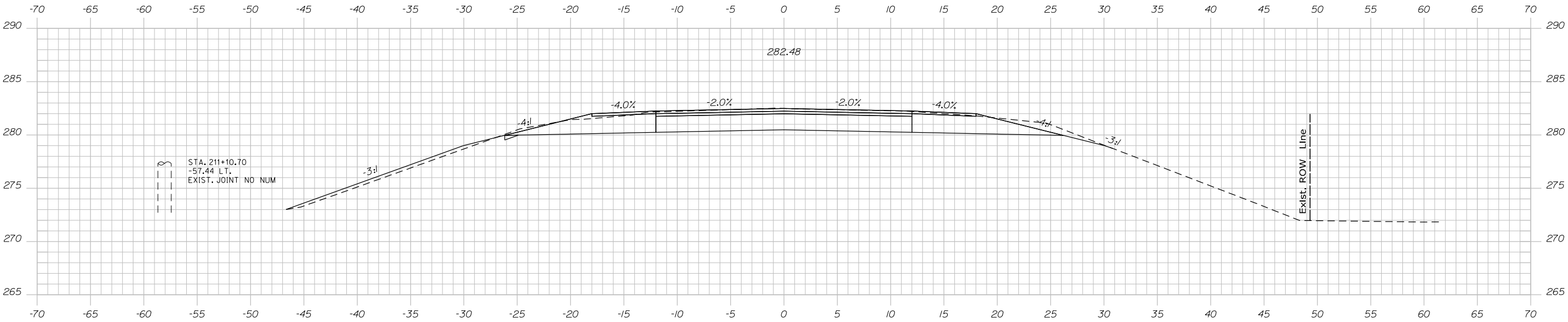
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Division: HIGHWAY

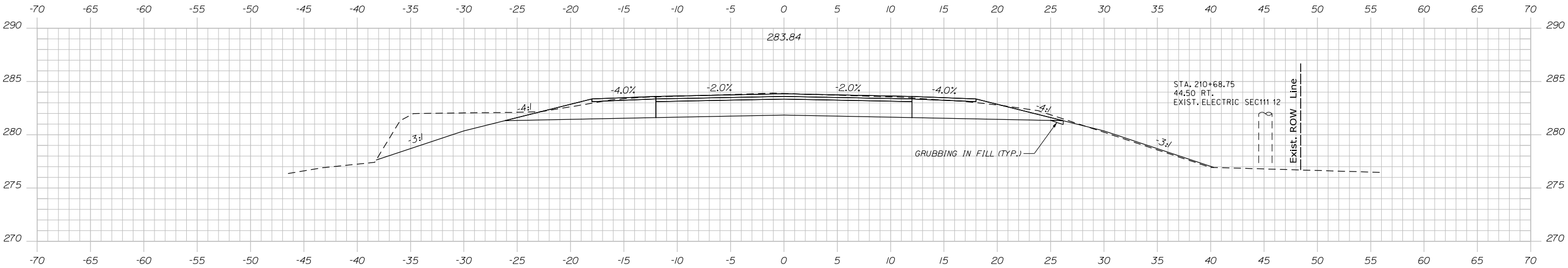
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211+50.00



211+00.00



210+50.00

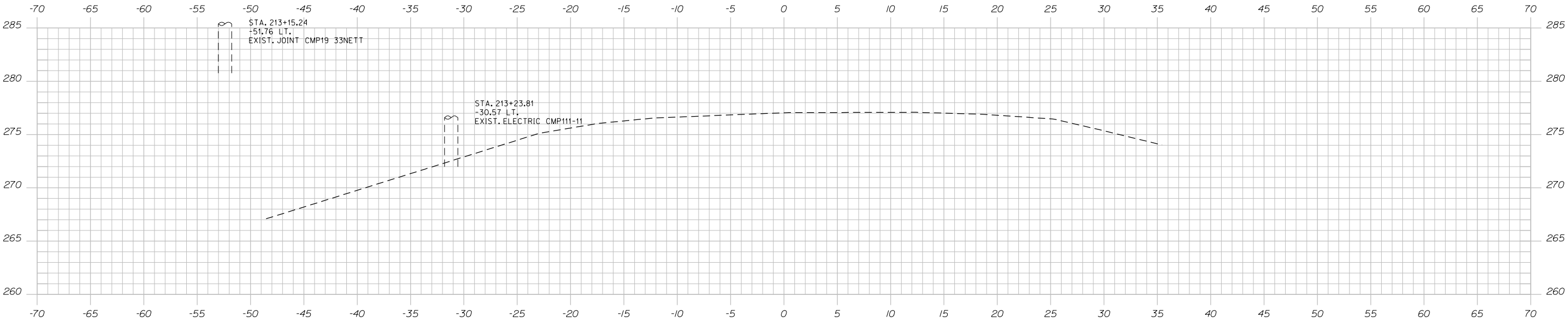
PROJ. MANAGER	BY	DATE
E. MARTIN	M. RAENZ	5/26/2021
CHECKED-REVIEWED N. FOX		SIGNATURE
DESIGN DETAILED		P.E. NUMBER
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

Date:6/28/2023

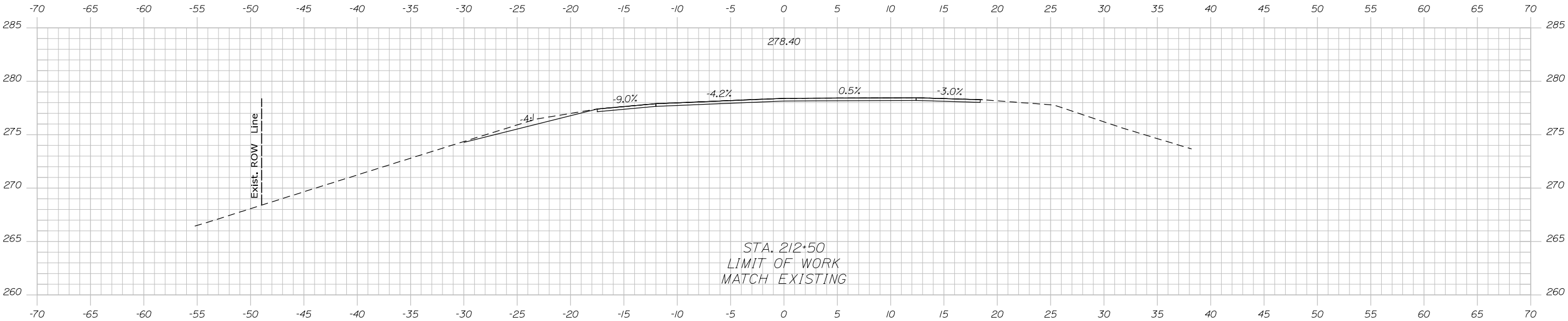
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Division: HIGHWAY

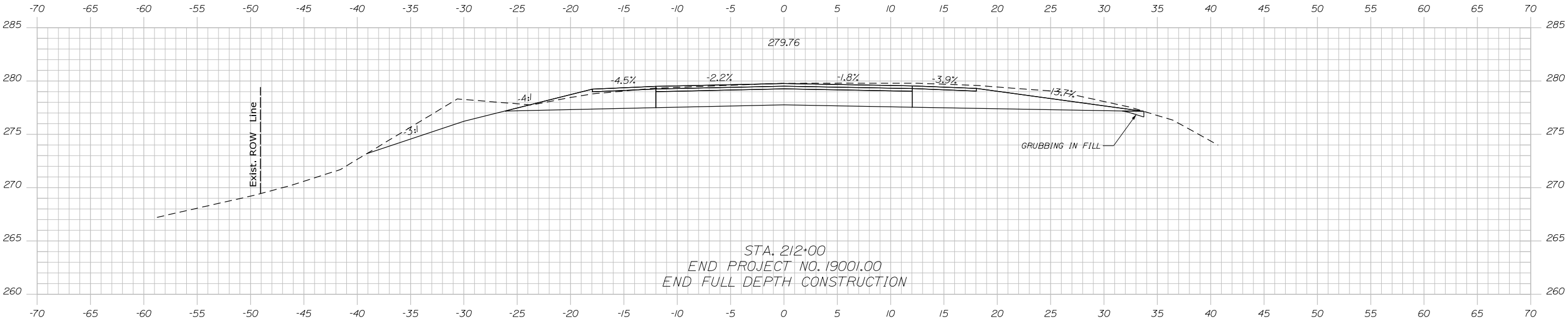
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213+00.00



212+50.00



212+00.00

STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
AC-STP-1900(100)	
WIN 19001.00	HIGHWAY PLANS

PROJ. MANAGER	DATE	BY	DATE
DESIGN-DETAILED	5/26/2021	M. RAENZ	5/26/2021
CHECKED-REVIEWED		N. FOX	
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SANFORD	
STATE ROUTE 4	
CROSS SECTIONS	

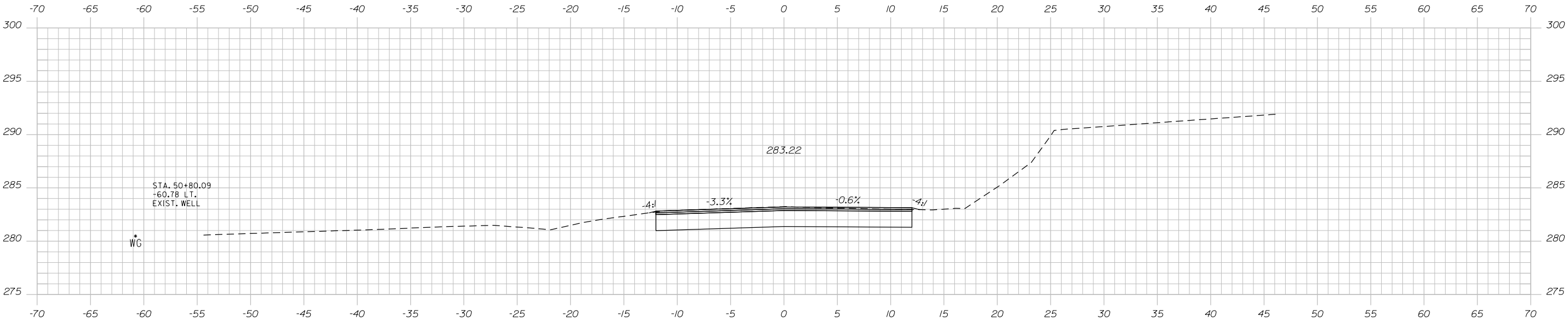
SHEET NUMBER
25
OF 31

Date:6/28/2023

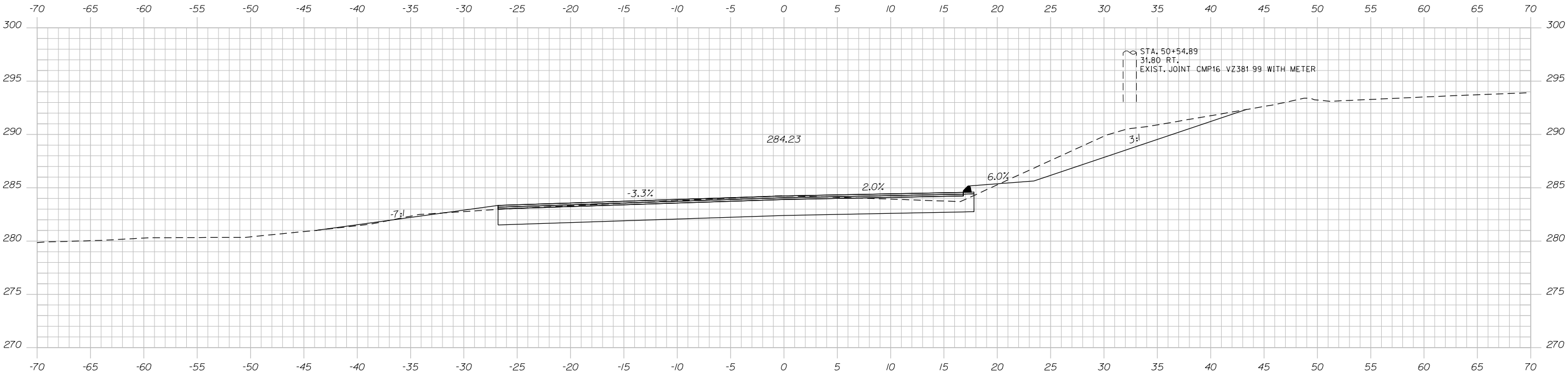
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Division: HIGHWAY

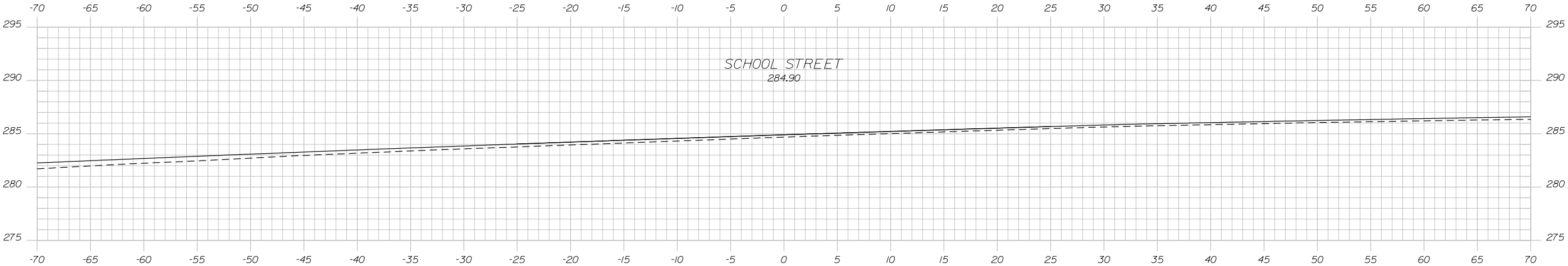
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51+00.00



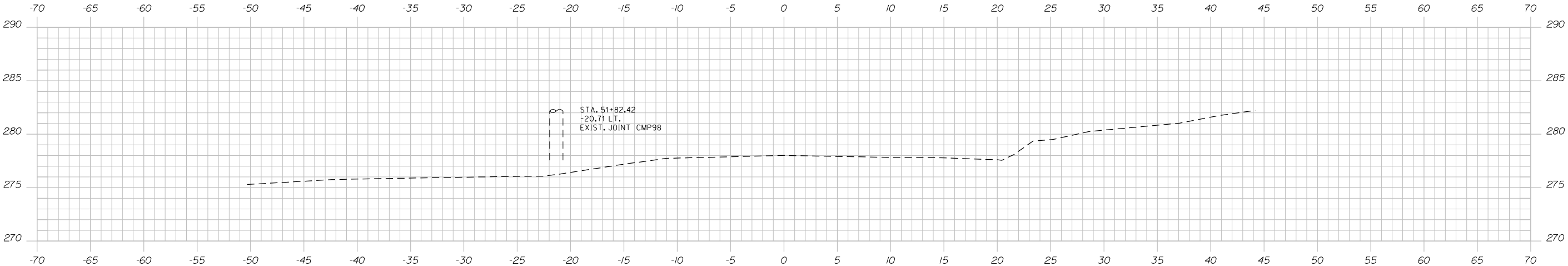
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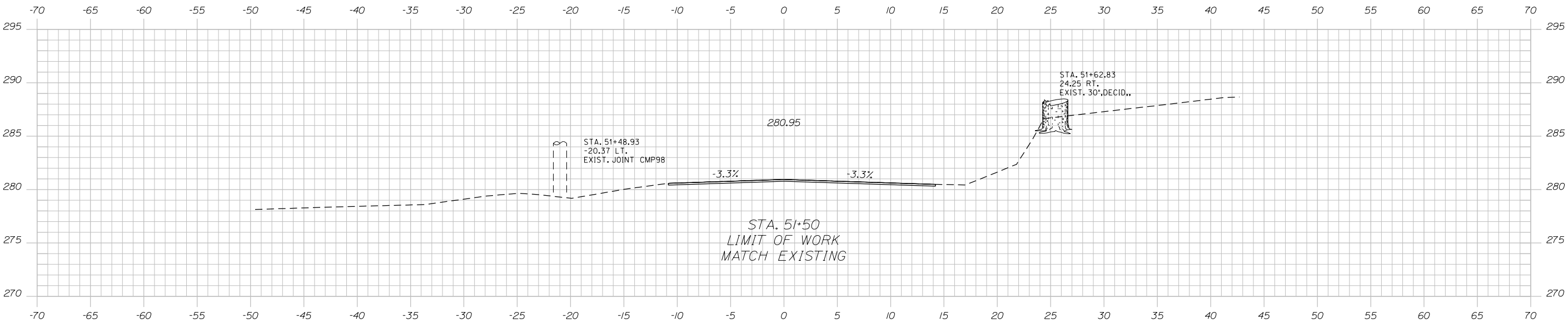
50+00.00

PROJ. MANAGER	BY	DATE
E. MARTIN	M. RAENZ	5/26/2021
CHECKED-REVIEWED	N. FOX	5/26/2021
DESIGN-DETAILED		SIGNATURE
DESIGN-DETAILED		P.E. NUMBER
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SANFORD
STATE ROUTE 4
CROSS SECTIONS



52+00.00



51+50.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	AC-STP-1900(100)	WIN 19001.00	HIGHWAY PLANS

PROJ. MANAGER	BY	DATE
E. MARTIN	M. RENZ	5/26/2021
CHECKED-REVIEWED		SIGNATURE
E. MALONEY		
DESIGN-REVIEWED		P.E. NUMBER
N. FOX		
DESIGN-REVIEWED		DATE
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SANFORD STATE ROUTE 4	CROSS SECTIONS
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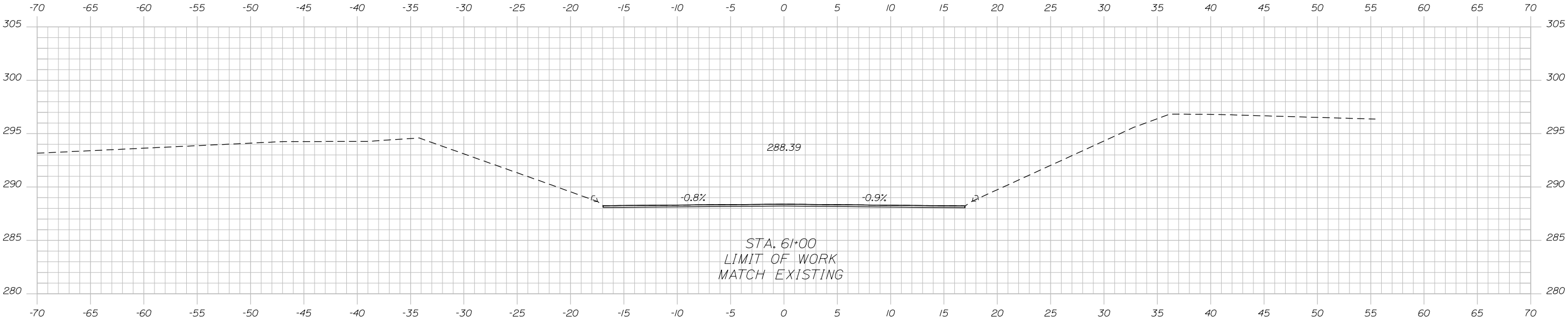
SHEET NUMBER
27
OF 31

Date:6/28/2023

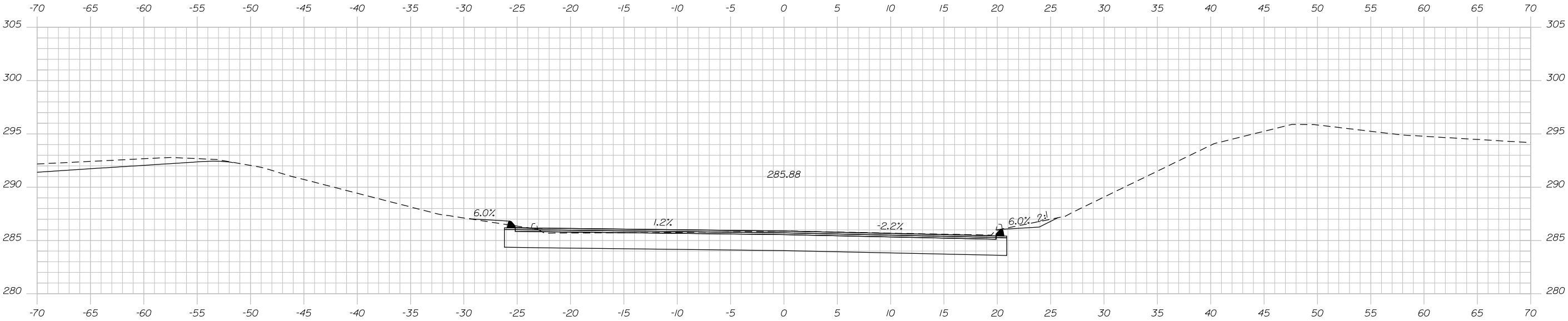
Username:

Division: HIGHWAY

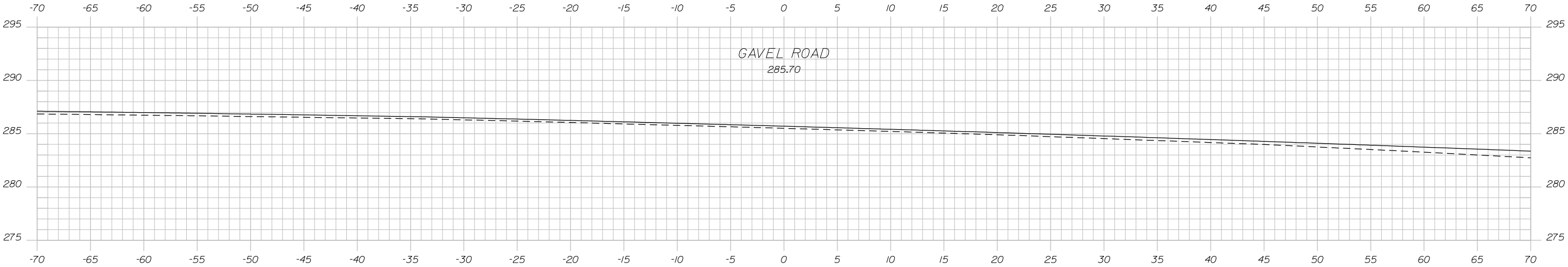
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61+00.00

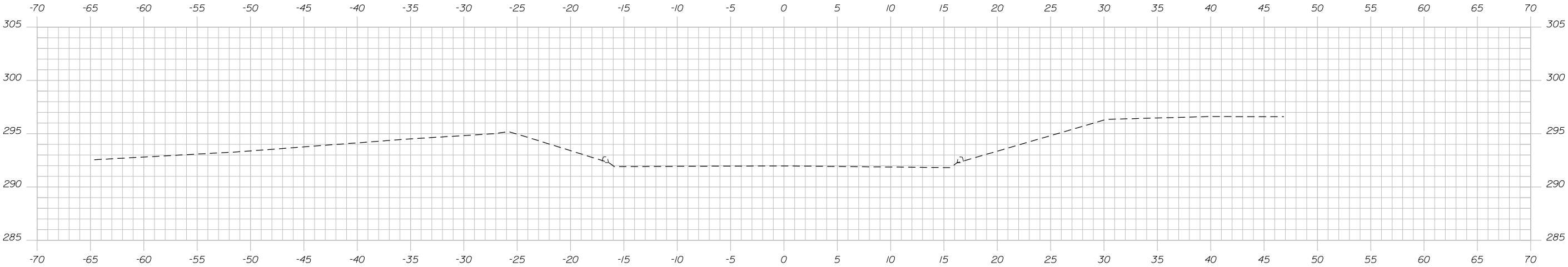


60+50.00



60+00.00

PROJ. MANAGER	BY	DATE
E. MARTIN	M. RENZ	5/26/2021
CHECKED-REVIEWED	E. MALONEY	SIGNATURE
DESIGNED-DETAILED	N. FOX	P.E. NUMBER
REVISIONS 1	-	DATE
REVISIONS 2	-	-
REVISIONS 3	-	-
REVISIONS 4	-	-
FIELD CHANGES	-	-



61+50.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AC-STP-1900(100)
WIN 19001.00
HIGHWAY PLANS

PROJ. MANAGER	E. MARTIN	BY	DATE
DESIGN-DETAILED	E. MALONEY	M. RAENZ	5/26/2021
CHECKED-REVIEWED	N. FOX	-	5/26/2021
DESIGN-DETAILED	-	-	-
DESIGN-DETAILED	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
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FIELD CHANGES	-	-	-

SANFORD STATE ROUTE 4
CROSS SECTIONS

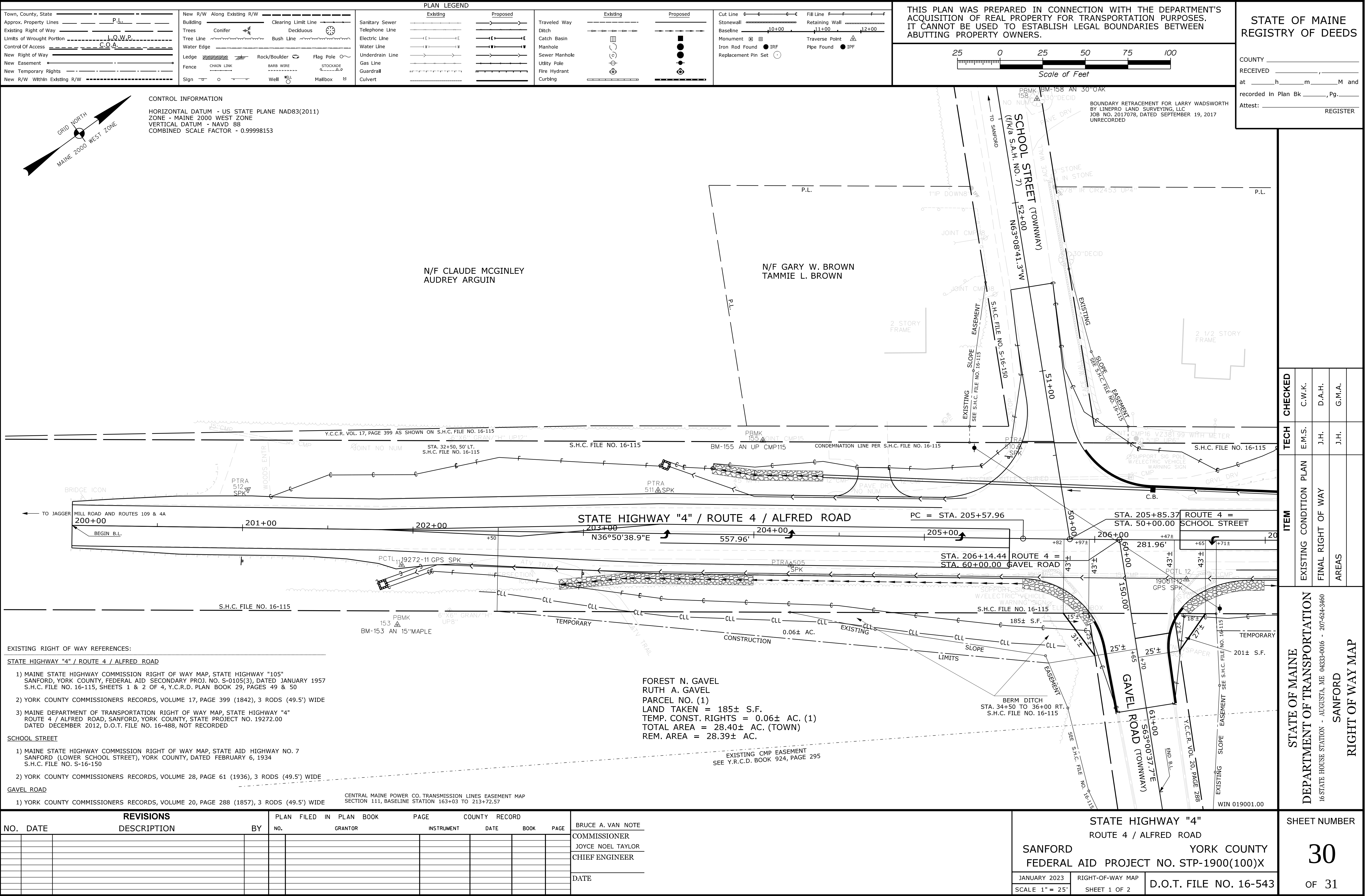
SHEET NUMBER
29
OF 31

Date:2/22/2023

Username: Jude.Hogan

Division: ROW

Filename: ... \00\ROW\MSTA001_RWP\PLAN1.dgn



Date:2/22/2023

Username: Jude.Hogan

Division: ROW

Filename: ... \00\ROW\STA002_RWPLAN2.dgn

