

SIGNATURE  
11083  
P.E. NUMBER  
03/27/2023  
DATE

03/27/2023

TOWN OF WELLS  
ROUTE 109  
TITLE SHEET

SHEET NUMBER  
**1**  
OF 13

**INDEX OF SHEETS**

Description	Sheet No.
Title Sheet .....	1
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Cross Sections .....	6-13

**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 Existing	-----	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	✻ Conifer	⊗ Deciduous		
Tree Line	-----	Centerline-Existing	-----	
Clearing Limit Line	-----	Centerline-Proposed	-----	
Railroad	-----	Travelway-Existing	-----	
		Travelway-Proposed	-----	
Boring	⊕ HB-XXX-###	Probe	⊕ P-#. #X	
Pavement Core	● PC-#	#.# = Depth		
Test Pit	⊠ TP-XXX-###	X = W (Weathered Rock)		
		R (Refusal)		
		NR (No Refusal)		

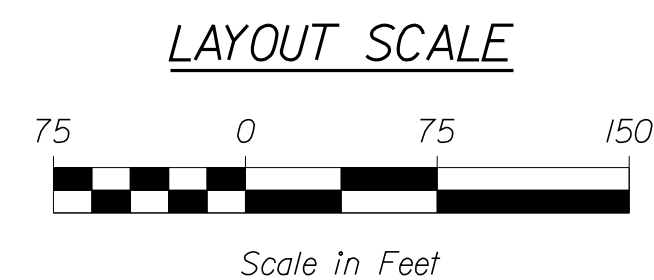
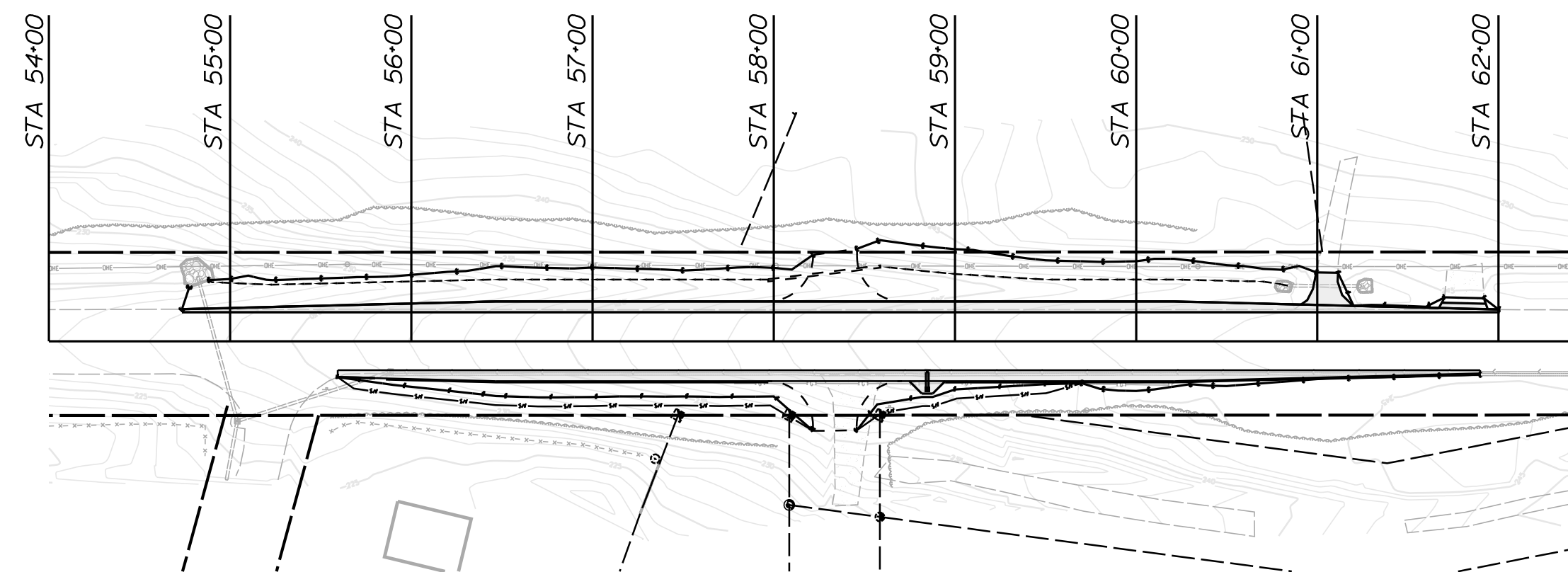
# ROUTE 109 SUBDIVISION

## YORK COUNTY

### ROUTE 109

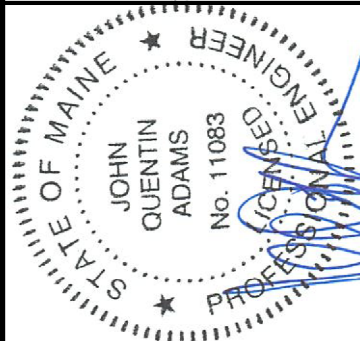
### WIDENED SHOULDERS

PROJECT LENGTH: 0.14 MILES



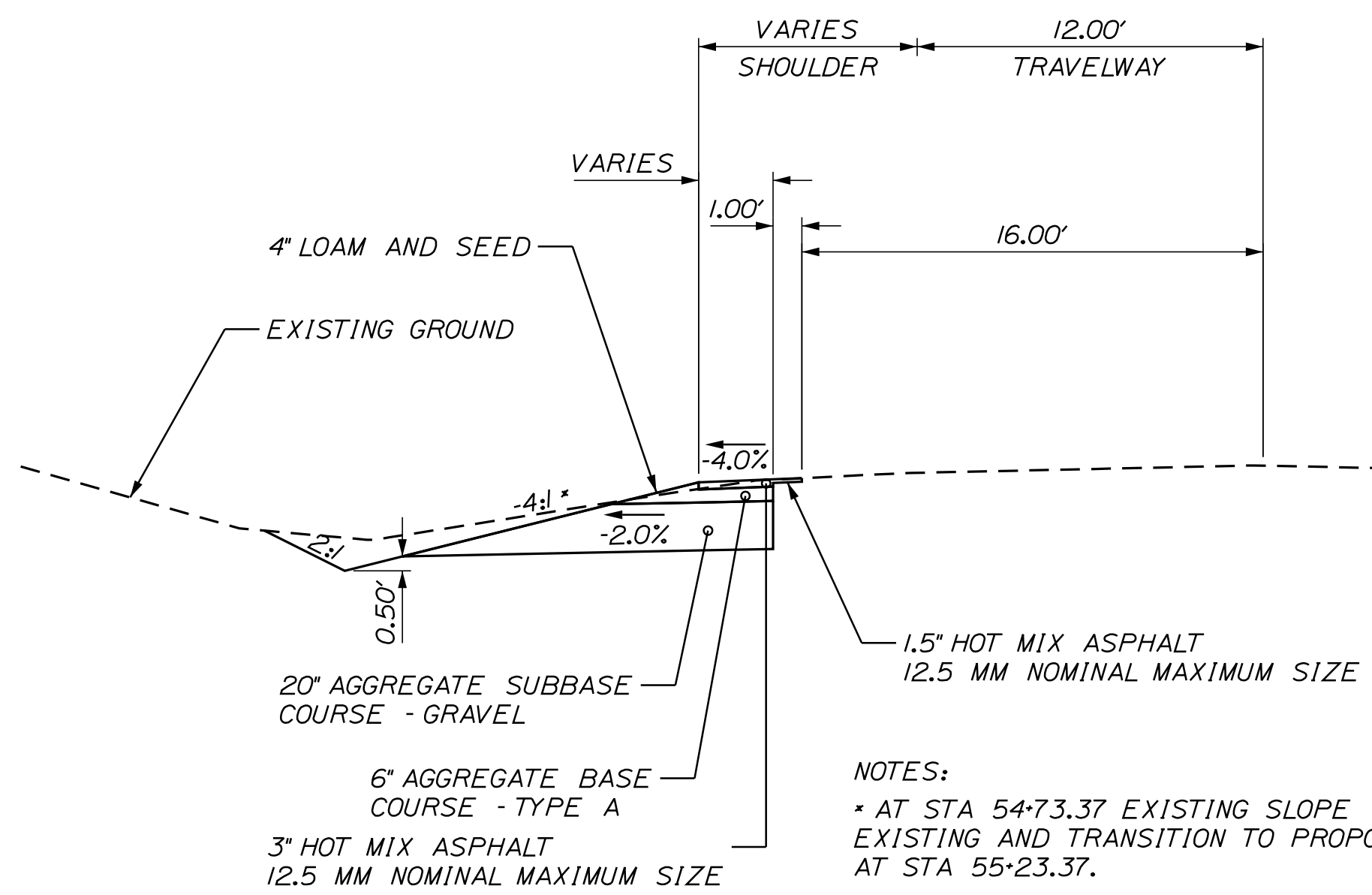
**SCOPE OF WORK:**

CONSTRUCT 150' LONG AND 10' WIDE SHOULDERS WITH TAPERS ON BOTH SIDES OF ROUTE 109 AT THE PROPOSED SUBDIVISION DRIVEWAYS.

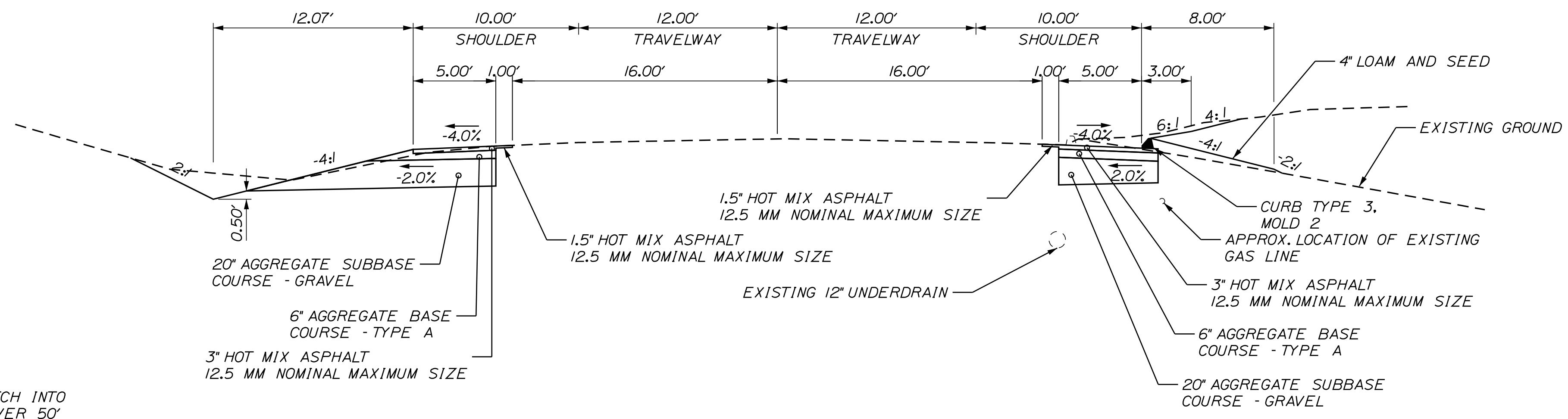


DESIGN-DETAILED	AGC	AGC	AGC	AGC	AGC	AGC	AGC
CHECKED-REVIEWED	JOA	JOA	JOA	JOA	JOA	JOA	JOA
DESIGNS-DETAILED							
REVISIONS 1							
REVISIONS 2							
REVISIONS 3							
REVISIONS 4							
FIELD CHANGES							

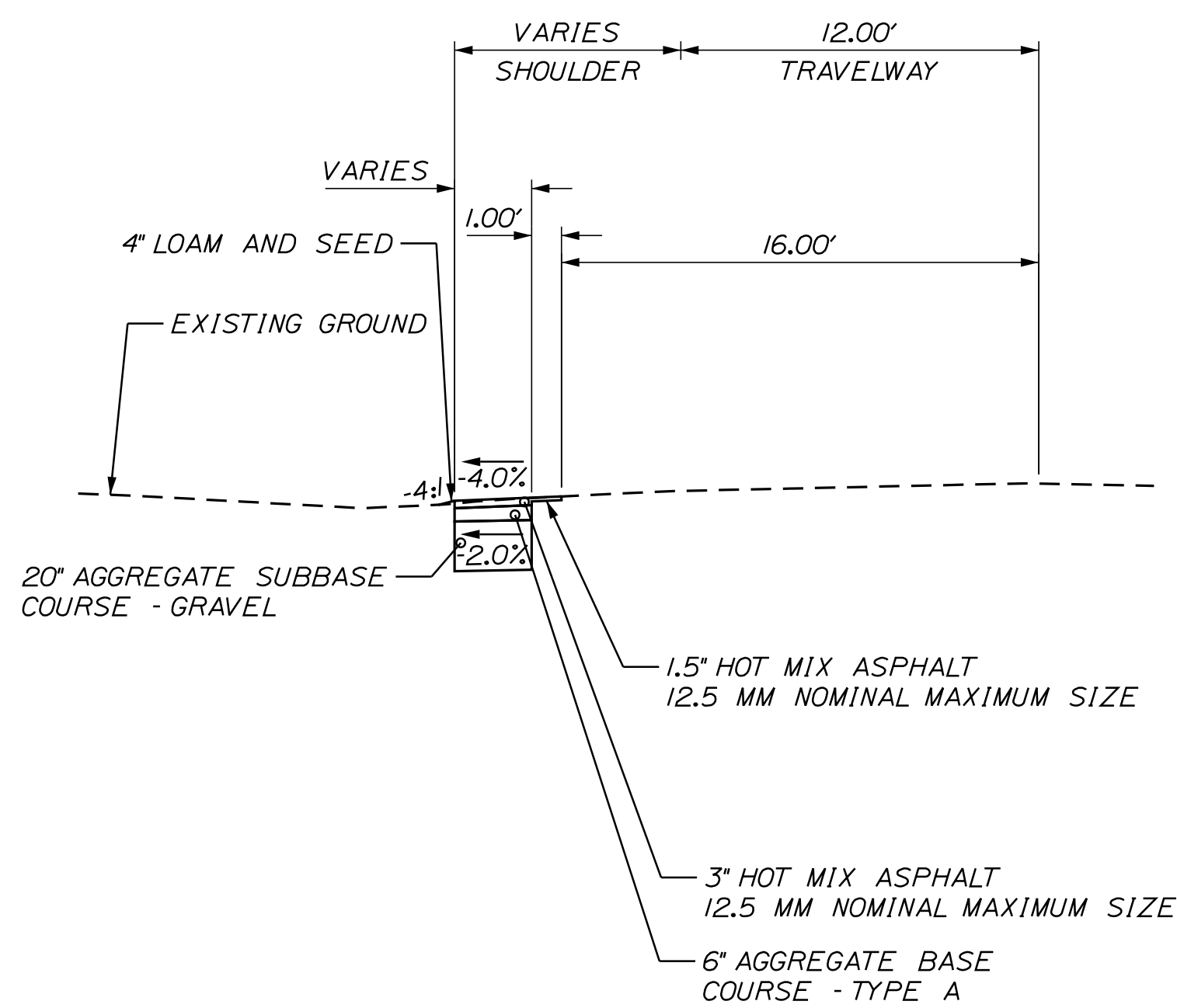
WELLS  
ROUTE 109  
TYPICAL SECTIONS



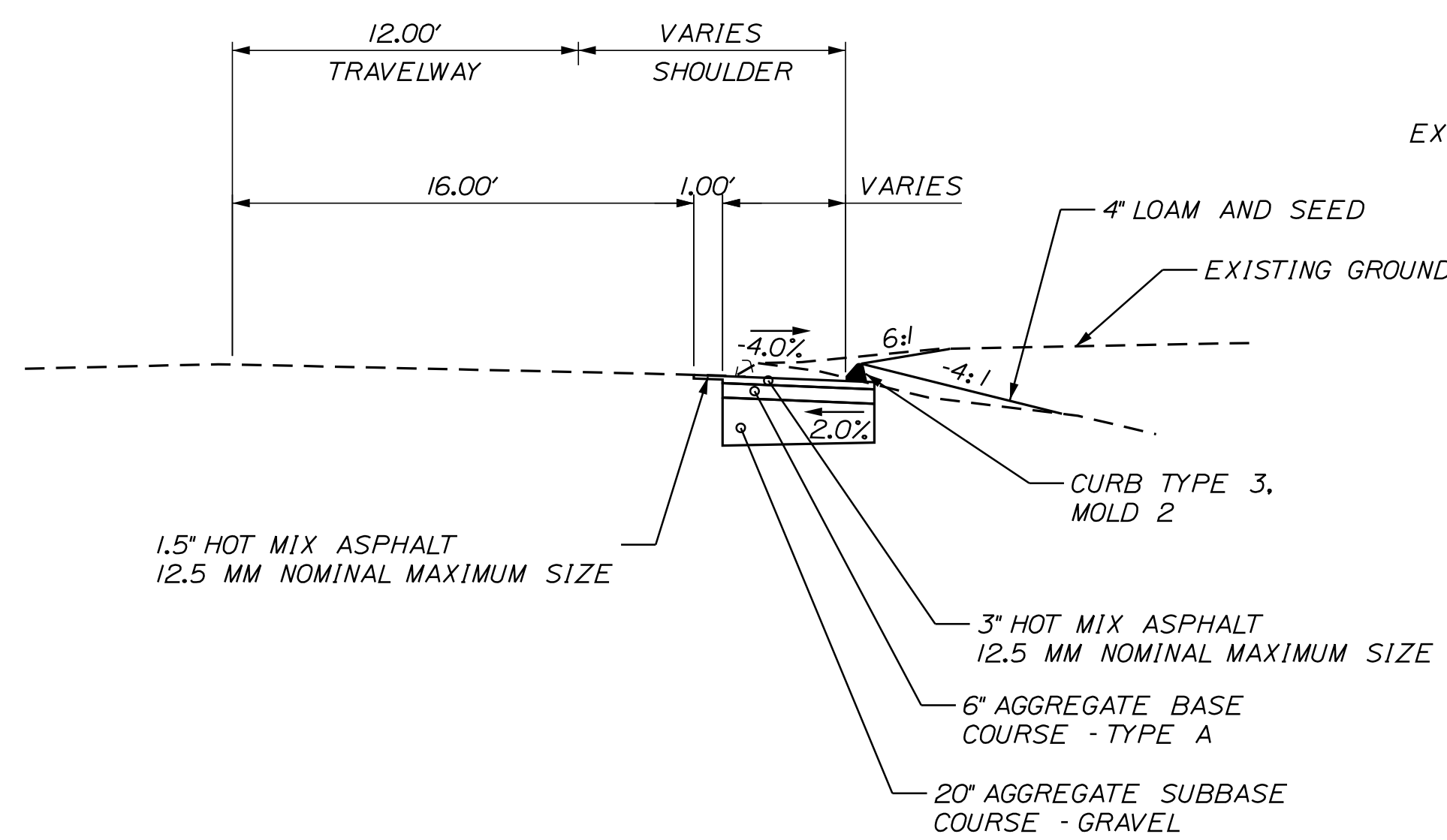
**ROUTE 109 LEFT - TAPER SECTIONS WITH DITCH**  
STA 54+73.37 TO STA 56+46.66  
STA 60+20.94 TO STA 60+90.97  
NOT TO SCALE



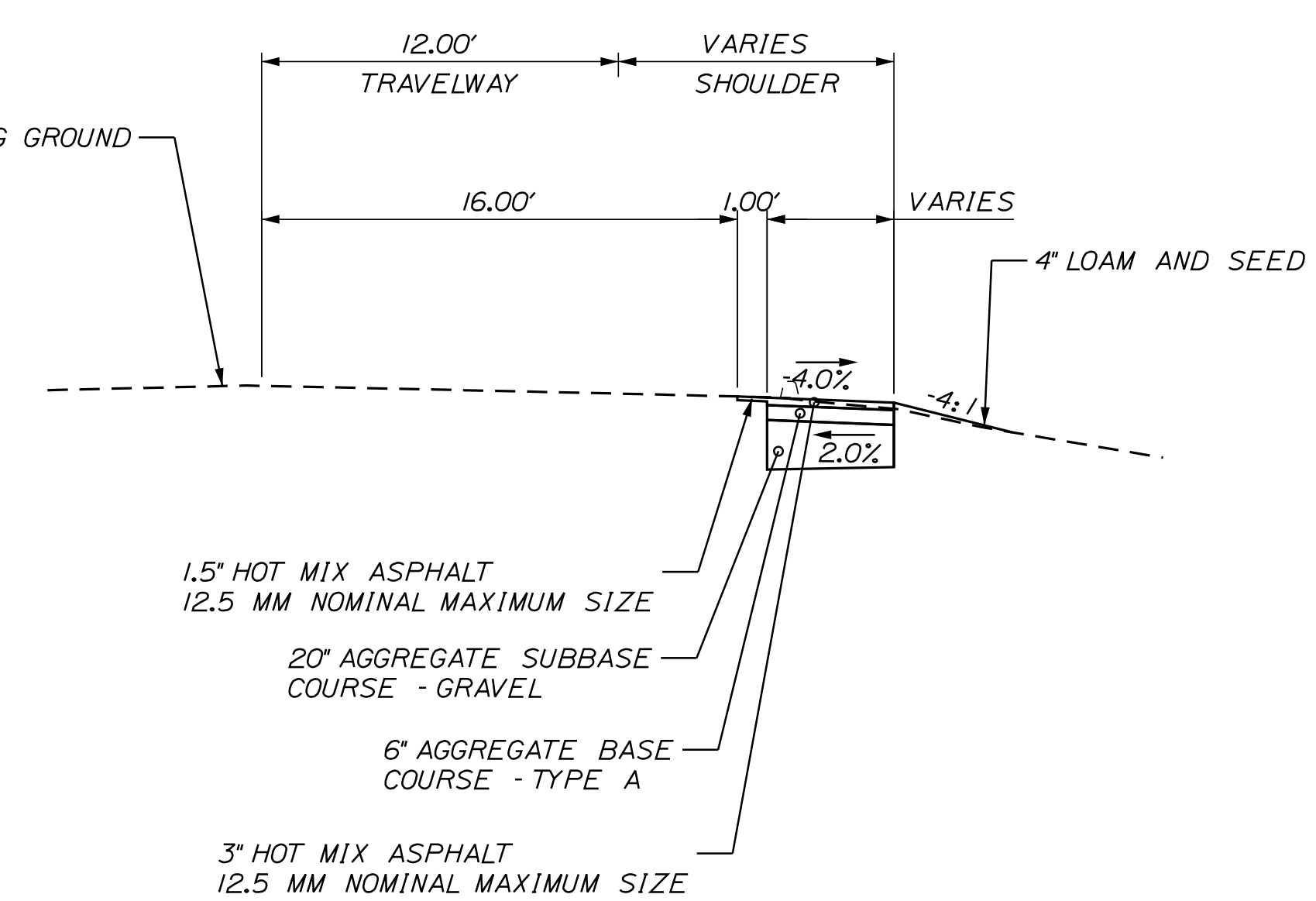
**ROUTE 109 SHOULDER WIDENING - FULL WIDTH**  
STA 56+46.66 TO STA 60+20.94  
NOT TO SCALE



**ROUTE 109 LEFT - TAPER SECTIONS BOX CUT**  
STA 60+90.97 TO STA 62+00.64  
NOT TO SCALE



**ROUTE 109 RIGHT - TAPER SECTIONS CURBED**  
STA 55+85.83 TO STA 56+46.66  
STA 60+20.94 TO STA 61+89.92  
NOT TO SCALE



**ROUTE 109 RIGHT - TAPER SECTIONS NO CURB**  
STA 55+59.36 TO STA 55+85.83  
NOT TO SCALE

**GENERAL NOTES:**

1. THIS PROJECT IS TO BE COMPLETED IN ACCORDANCE WITH THE MAINE DOT STANDARD SPECIFICATIONS AND STANDARD DETAILS.
2. PAVEMENT THICKNESSES SHOWN ON THE TYPICAL SECTIONS ARE INTENDED TO BE NOMINAL.
3. GRIND TRANSITION TAPERS AT CATCH BASINS IN ACCORDANCE WITH STANDARD DETAIL 609(05), GUTTER GRADE TRANSITION AT CATCH BASIN, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE. THIS WORK SHALL BE INCIDENTAL TO PAVEMENT ITEMS.
4. TRIM ALL TREE BRANCHES TO 20 FEET ABOVE THE PAVEMENT AND 8 FEET ABOVE SIDEWALKS. A TREE SPECIALIST SHALL BE SUBCONTRACTED FOR THIS WORK AND PAYMENT WILL BE MADE BY INVOICE PLUS 5%. ANY TREE BRANCHES DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION WILL BE TRIMMED AT THE CONTRACTOR'S EXPENSE.
5. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE OWNER'S REPRESENTATIVE.
6. 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.
7. DRIVEWAY FILL SIDE SLOPES SHALL BE THE SAME AS THE FILL SIDE SLOPES WITHOUT GUARDRAIL UNLESS OTHERWISE NOTED ON THE PLANS.
8. RESIDENTIAL PAVED ENTRANCES SHALL BE CONSTRUCTED WITH 2 INCHES OF HOT MIX ASPHALT AND 12 INCHES OF AGGREGATE SUBBASE COURSE GRAVEL.
9. 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 OWNER'S REPRESENTATIVE.
10. A 3-FOOT PAVED LIP SHALL BE PLACED AT ALL UNPAVED ENTRANCES UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
11. 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.
12. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE OWNER'S REPRESENTATIVE.
13. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTH-LINED PIPES. FOR CORRUGATED PIPES, USE COMPARABLE CORRUGATED SIZE.
14. FLAT TOPS FOR CATCH BASINS ARE NOT ALLOWED UNLESS NOTED ON THE PLANS OR DIRECTED BY THE OWNER'S REPRESENTATIVE.
15. 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 STANDARD SPECIFICATIONS SECTION 603, PIPE CULVERTS AND STORM DRAINS OR STANDARD SPECIFICATIONS SECTION 605, UNDERDRAINS.
16. EXISTING ABANDONED WATER MAINS BROKEN BY THE CONTRACTOR DURING CONSTRUCTION SHALL HAVE THE ENDS PLUGGED WITH BRICK AND MORTAR. COST FOR ALL LABOR AND MATERIAL WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO DIRECT PAYMENT WILL BE MADE.
17. 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 OWNER'S REPRESENTATIVE, LOAM OR DIRTY BORROW WILL BE PAID FOR SEPARATELY.
18. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE OWNER'S REPRESENTATIVE.
19. 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.
20. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES IN ALL AREAS.
21. 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.
22. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTAINING ALL EXISTING OPERATIONAL BUSINESS DIRECTIONAL SIGNS (OBDS) TO ENSURE THAT THEY ARE VISIBLE TO THE TRAVELING PUBLIC. PAYMENT FOR THIS WORK WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
23. EXISTING GROUND INFORMATION WAS DEVELOPED FROM SURVEY DATA COLLECTED BY CORNER POST LAND SURVEYING, INC. ACTUAL CONDITIONS MAY VARY FROM THOSE INDICATED ON PLANS. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
24. SEE SITE DESIGN PLANS BY WALSH ENGINEERING FOR CONSTRUCTION ENTRANCE AND SITE ENTRANCE DETAILS.
25. THE OWNER'S REPRESENTATIVE SHALL HAVE THE RIGHT AND AUTHORITY TO DETERMINE THE ACCEPTABILITY OF WORK AND MATERIALS IN PROGRESS OR COMPLETED AND SHALL HAVE THE RIGHT TO REJECT ANY WORK OR MATERIALS WHICH DO NOT CONFORM, IN THEIR SOLE OPINION, TO THE PLANS OR SPECIFICATIONS.
26. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING RED-LINE AS-BUILT DRAWINGS OF THE FINAL WORK TO THE OWNER AND THE DESIGN ENGINEER. THOSE DRAWINGS SHALL BE A CLEAN SET OF PLANS SHOWING ALL CHANGES, MODIFICATIONS, AND ELEVATIONS TO THE BID PLANS.

**GENERAL NOTES (CONT.):**

27. THE CONTRACTOR SHALL USE A MAINE DOT APPROVED LAB FOR ALL FIELD SAMPLING AND TESTING. SAMPLING AND TESTING FREQUENCY AND METHODS SHALL FOLLOW MAINE DOT STANDARD SPECIFICATIONS 2020 EDITION. TESTING SHALL BE INCIDENTAL TO THE CONTRACT.
28. CONTRACTOR SHALL SUBMIT A SUMMARY OF ALL TESTING AND SAMPLING RESULTS TO THE OWNER AND THE DESIGN ENGINEER.
29. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.
30. PLANS OF PREVIOUSLY CONSTRUCTED PROJECTS ARE AVAILABLE ON THE MAINE DOT WEBSITE. THESE PROJECTS ARE:  
ROUTE 109 HIGHWAY RECONSTRUCTION
31. ALL HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES SHALL BE A 9.5 MM OR 12.5 MM MAINE DOT APPROVED MIX DESIGN, EXCLUDING WATER AND GAS GATE VALVES. THE CONTRACTOR SHALL SAW CUT THE EXISTING PAVEMENT FOR THE PATCH AT LEAST TWO FEET AWAY FROM THE NEAREST EDGE OF THE STRUCTURE. THE CONTRACTOR SHALL PLACE HMA IN LIFTS OF 2 INCHES OR LESS TO MATCH THE EXISTING PAVEMENT DEPTH OR A MAXIMUM OF 6 INCHES, AS DIRECTED BY THE OWNER'S REPRESENTATIVE, AND COMPACT THE HMA USING A MINIMUM OF A 150-POUND PLATE COMPACTOR. HMA FOR PATCHING AROUND ADJUSTED, ALTERED, OR REBUILT UTILITY STRUCTURES IS CONSIDERED INCIDENTAL TO THE RESPECTIVE PAY ITEM FOR ADJUST, ALTER, OR REBUILD UTILITY STRUCTURE.
32. EROSION AND SEDIMENTATION CONTROL SHALL MEET CURRENT MAINE DEP STANDARDS AND BEST MANAGEMENT PLAN AND SHALL BE INSTALLED PRIOR TO WORK. REQUIRED EROSION AND SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED ON A DAILY BASIS.
33. CONTRACTOR SHALL BE RESPONSIBLE FOR WASTING ALL SURPLUS MATERIAL.
34. PROPERTY LINE AND ROW MONUMENTS SHALL NOT BE DISTURBED BY CONSTRUCTION. IF DISTURBED, THEY SHALL BE RESET TO THEIR ORIGINAL LOCATIONS, AT THE CONTRACTOR'S EXPENSE, BY A MAINE LICENSED LAND SURVEYOR.
35. LAND DISTURBING ACTIVITIES SHALL BE ACCOMPLISHED IN A MANNER AND SEQUENCE THAT CAUSES THE LEAST PRACTICAL DISTURBANCE OF THE SITE.

**TEMPORARY TRAFFIC CONTROL NOTES:**

1. CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL AS NECESSARY AND PERFORM REQUIRED WORK IN A MANNER THAT WILL CAUSE MINIMAL DISRUPTION TO TRAFFIC.
2. CONTRACTOR TO SUBMIT TRAFFIC CONTROL PLANS MEETING MAINE DOT AND MUTCD STANDARDS TO THE TOWN FOR APPROVAL PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
3. ALL CONSTRUCTION/TRAFFIC CONTROL SIGNS SHALL CONFORM TO REQUIREMENTS OF MAINE DOT AND MUTCD, AND WILL BE INSTALLED PRIOR TO START OF CONSTRUCTION.
4. CONTRACTOR RESPONSIBLE FOR MAINTAINING SAFE TRAFFIC OPERATIONS AT ALL TIMES DURING CONSTRUCTION.
5. CONTRACTOR TO REGULARLY REVIEW TEMPORARY CONSTRUCTION SIGNS AND ENSURE ALL ARE MAINTAINED AND IN PLACE OR ARE REPLACED IF MISSING.
6. TEMPORARY TRAFFIC CONTROL SIGNS TO BE PLACED IN LOCATIONS THAT MAXIMIZE VISIBILITY. CONTRACTOR TO INSTALL SIGNS WITHIN R.O.W. AND NOT BLOCKING PRIVATE PROPERTY ACCESS.
7. CONTRACTOR SHALL MAINTAIN TWO LANES OF TRAFFIC UNLESS OTHERWISE APPROVED.

**UTILITY NOTES:**

1. PRIOR TO CONSTRUCTION, EXCAVATION, BORING, ETC., THE CONTRACTOR MUST NOTIFY DIGSAFE AND A SITE IDENTIFICATION NUMBER AND DIGSAFE DATE MUST BE OBTAINED.
2. CONTRACTOR SHALL CONTACT AND COORDINATE WITH UTILITIES UPON AWARD OF THE CONTRACT. ADDITIONALLY, CONTRACTOR SHALL CONTACT AND COORDINATE WITH TOWN AND GAS UTILITY TO ENSURE SAFE CONSTRUCTION AROUND GAS LINE.

**UTILITY NOTES (CONT.):**

3. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATIONS OF THE EXISTING UTILITIES SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. THE CONTRACTOR SHALL COMPLETE TEST PITS IN AREAS WHERE POTENTIAL UTILITY CONFLICTS MAY EXIST. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE OR ADJUST ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS. THE CONTRACTOR SHALL COORDINATE AND SCHEDULE THIS WORK WITH UTILITIES AS NECESSARY.
4. CONTRACTOR TO CONTACT AND NOTIFY UTILITIES OF PLANNED CONSTRUCTION ACTIVITIES PRIOR TO START OF CONSTRUCTION.
5. CONTRACTOR TO FAMILIARIZE THEMSELVES WITH EXISTING CONDITIONS AND UTILITIES AND SHALL VERIFY ALL UTILITIES AND THEIR LOCATION PRIOR TO COMMENCING WORK.
6. DAMAGE TO ANY UTILITIES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR OR REPLACE AT THEIR COST.
7. CONTACT INFORMATION FOR RELEVANT UTILITIES:

AT&T (PORTLAND OFFICE)  
ALICE COUGHLAN  
45 FOREST AVENUE  
PORTLAND, ME 04101  
(207) 879-5050  
ACOUGHLAN@ATT.COM

SPRINGFIELD TERMINAL RAILWAY  
SHAWN HIGGINS, PROJECT ENGINEER  
1700 IRON HORSE PARK  
NORTH BILLERICA, MA 01862  
(978) 663-1127  
SHIGGINS@PANAM.COM

CENTRAL MAINE POWER COMPANY  
TIMOTHY LANEY, PROJECT MANAGER  
57 OLD WINTHROP ROAD  
AUGUSTA, ME 04330  
(207) 629-9555  
TIMOTY.LANEY@CMPCO.COM

U.S. SPRINT  
MICHAEL HANIFAN, AREA CABLE ENGINEER  
400 TAYLOR STREET  
SPRINGFIELD, MA 01105  
MICHAEL.J.HANIFAN@SPRINT.COM

CHARTER COMMUNICATIONS, INC.  
118 JOHNSON ROAD  
PORTLAND, ME 04102  
(207) 620-3410  
DLPORMECONSTLEADERSHIP@CHARTER.COM

UNITIL CORP.  
DERICK GIROUX, PROJECT LEADER  
PO BOX 3586  
PORTLAND, ME 04104  
(207) 536-5663  
GIROUXD@UNITIL.COM

CONSOLIDATED COMMUNICATIONS OF  
NORTHERN NEW ENGLAND  
5 DAVIS FARM ROAD  
PORTLAND, ME 04103  
(207) 878-0854  
MDOOT\_REQUESTS@FAIRPOINT.COM

WELLS SANITARY DISTRICT  
NICK F. RICO, PE, SUPERINTENDENT  
PO BOX 428 197 ELDRIDGE ROAD  
WELLS, ME 04090-0428  
(207) 646-5906  
NICK@WELLSANITARYDISTRICT.ORG

GW1/BIDDEFORD INTERNET CORP.  
KEITH ELLIS, TECHNICAL ADMINISTRATOR  
43 LANDRY STREET  
BIDDEFORD, ME 04005  
(877) 214-2009  
KEITHELLIS@STAFF.GWI.NET

TOWN OF WELLS  
LARISSA CROCKETT, TOWN MANAGER  
PO BOX 398  
WELLS, ME 04090  
(207) 361-8865  
LCROCKETT@WELLSSTOWN.ORG

GRANITE STATE GAS TRANSMISSION, INC.  
BRIAN CHAPUT, TRANSMISSION SUPERVISOR  
325 WEST ROAD  
PORTSMOUTH, NH 03810-0508  
CHAPUTB@UNITIL.COM

OXFORD NETWORKS  
MICHAEL ELLINGWOOD, ENGINEERING  
MANAGER  
491 LISBON STREET  
LEWISTON, ME 04240  
(207) 333-3471  
MELLINGWOOD@FIRSTLIGHT.NET

KENNEBUNK LIGHT AND POWER DISTRICT  
TODD SHEA, GENERAL MANAGER  
4 FACTORY PASTURE LANE  
KENNEBUNK, ME 04043  
(207) 985-3311  
TSHEA@KLPD.ORG

PORTLAND CELLULAR PARTNERSHIP  
D/B/A VERIZON WIRELESS  
KACEY LOONEY, SENIOR MANAGER  
MAINE FIELD OPERATIONS  
118 FLANDERS ROAD, 3RD FLOOR  
WESTBOROUGH, MA 01581  
(508) 769-4607  
KACEY.LOONEY@VERIZONWIRELESS.COM

KENNEBUNK, KENNEBUNKPORT &  
WELLS WATER DISTRICT  
JAMIE PASCHAL, DISTRICT ENGINEER  
92 MAIN STREET; PO BOX 88  
KENNEBUNK, ME 04043-0088  
(207) 985-3385  
JPASCHAL@KKW.ORG

REVOLUTION NETWORKS (AKA NECAP)  
DBA FIRSTLIGHT  
MICHAEL ELLINGWOOD, ENGINEERING  
MANAGER  
491 LISBON STREET  
LEWISTON, ME 04240  
(207) 333-3471  
MELLINGWOOD@FIRSTLIGHT.NET

MAINE FIBER COMPANY  
MICHAEL ELLINGWOOD, ENGINEERING  
MANAGER  
491 LISBON STREET  
LEWISTON, ME 04240  
(207) 333-3471  
MELLINGWOOD@FIRSTLIGHT.NET

MARITIMES NORTHEAST PIPELINE  
LARA BAILEY, RIGHT OF WAY SPECIALIST  
547 LINCOLN STREET  
RICHMOND, ME 04357  
(207) 737-8249  
LARA.BAILEY@ENBRIDGE.COM



DATE	03/27/23
BY	AGC
DESIGN-DETAILED	AGC
CHECKED-REVIEWED	JOA
DESIGNS DETAILER	
DESIGNS DETAILER	
REVISIONS 1	
REVISIONS 2	
REVISIONS 3	
REVISIONS 4	
FIELD CHANGES	

SIGNATURE	
NO.	11083
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WELLS ROUTE 109 GENERAL NOTES

SHEET NUMBER

3

OF 13

SCHEDULE OF ITEMS:

Item No.	Item Description	Unit	Quantity
202.202	Removing Pavement Surface	SY	160
203.20	Common Excavation	CY	1022
304.10	Aggregate Subbase Course - Gravel	CY	600
304.14	Aggregate Base Course - Type A	CY	130
403.208	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size	T	130
403.209	Hot Mix Asphalt, 9.5 mm Nominal Maximum Size (sidewalks, drives,	T	6
409.15	Bituminous Tack Coat	Gal	25
603.159	12 inch Culvert Pipe Option III	LF	7
604.16	Altering Catch Basin to Manhole	EA	1
604.246	Catch Basin Type F5	EA	1
609.31	Curb Type 3	LF	510
615.07	Loam	CY	200
618.14	Seeding, Method Number 2	Unit	15
652.XX	Maintenance of Traffic	LS	1
656.75	Temporary Soil Erosion and Water Pollution Control	LS	1
659.10	Mobilization	LS	1

EARTHWORK SUMMARY:

**EARTHWORK SUMMARY**

**COMMON EXCAVATION FOR ESTIMATE**

COMMON EXCAVATION (FROM MODEL OR PLANS)	<u>1022</u>
TOTAL COMMON EXCAVATION	<u>1022</u>

**FILL FOR BORROW CALCULATIONS**

COMMON FILL (FROM MODEL OR PLANS)	<u>31</u>
TOTAL FILL	<u>31</u>

**AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS**

ALL DEDUCTIONS:	
GRUBBING IN CUT	<u>604</u>
TOTAL DEDUCTIONS	<u>604</u>
TOTAL AVAILABLE COMMON EXCAVATION (-) TOTAL DEDUCTIONS	<u>418</u>
TOTAL AVAILABLE NON-ROCK EXCAVATION	<u>418</u>

**COMPUTATION OF WASTE STORAGE & WASTE MATERIAL**

TOTAL AVAILABLE WASTE STORAGE AREA (FROM CROSS SECTIONS)	<u>0</u>
GRUBBING IN CUT	<u>604</u>
TOTAL WASTE MATERIAL	<u>604</u>
TOTAL WASTE MATERIAL TO BE UTILIZED*	<u>0</u>
TOTAL WASTE MATERIAL TO BE WASTED	<u>604</u>

**COMPUTATION FOR SURPLUS MATERIAL OR COMMON BORROW FOR ESTIMATE**

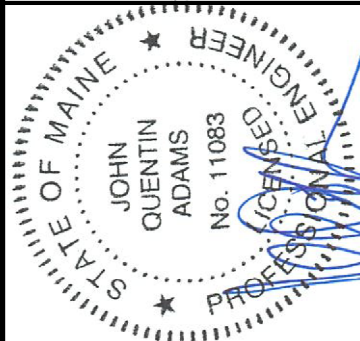
TOTAL AVAILABLE NON-ROCK EXCAVATION	<u>418</u> × 0.90 =	<u>376.2</u>
TOTAL AVAILABLE EXCAVATION		<u>376</u>
IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION (-) TOTAL FILL, (+)		
TOTAL WASTE MATERIAL TO BE WASTED		<u>949</u>
<b>SURPLUS MATERIAL</b>		<b><u>949 CY</u></b>

DRIVES AND ENTRANCES

<u>STATION</u>	<u>TYPE</u>
6+00, LT	PAVED
6+75, LT	GRAVEL

ITEM 609.31 - CURB TYPE 3

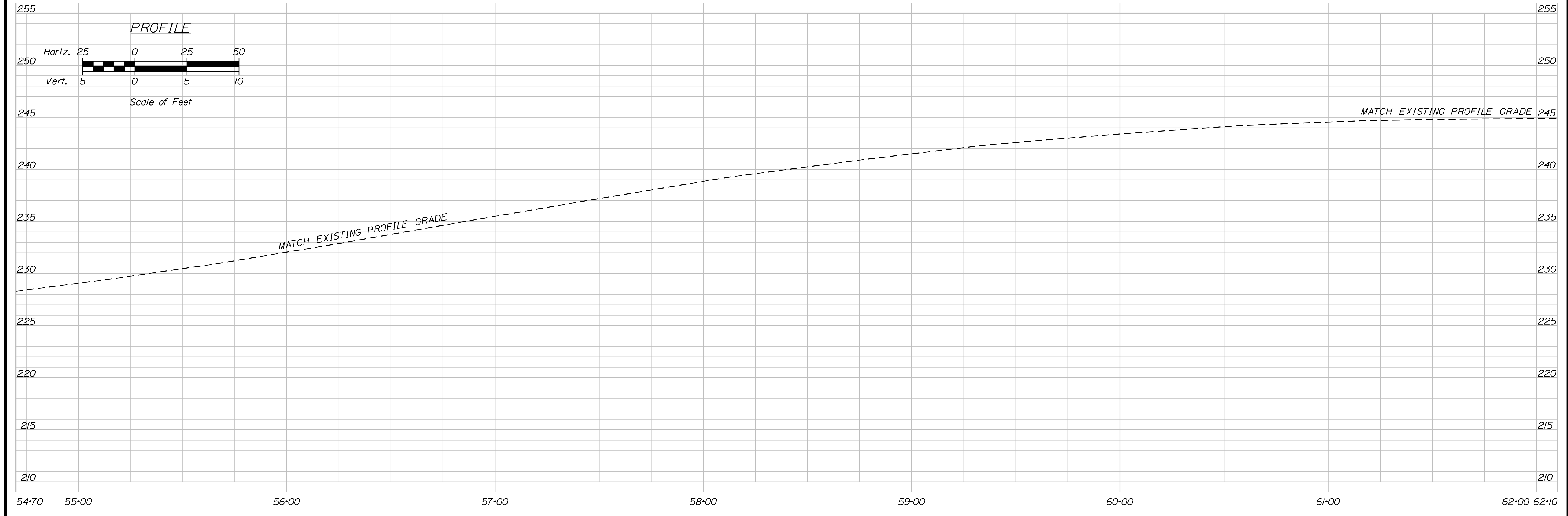
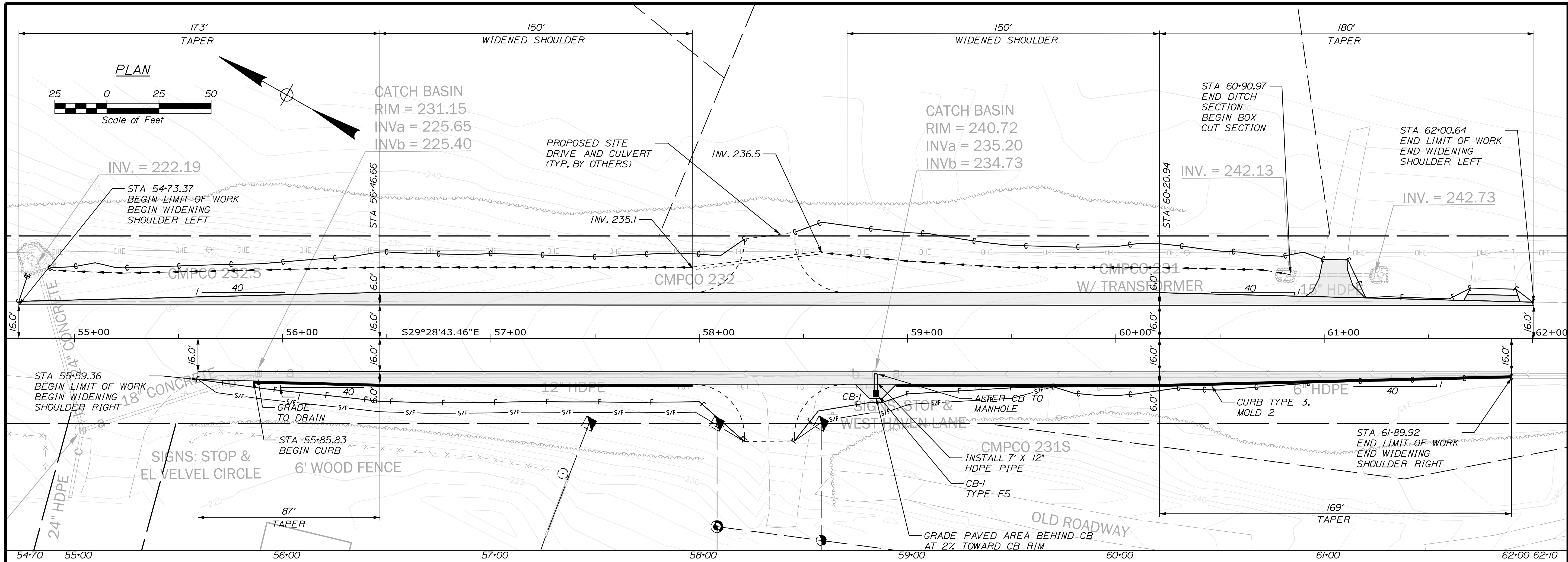
<u>STATIONING</u>	<u>LENGTH (LF)</u>
55+86, RT TO 57+79, RT	213
58+95, RT TO 61+90, RT	297



SIGNATURE: JOHN QUENTIN ADAMS  
 P.E. NUMBER: 11083  
 DATE: 03/27/2023

DESIGN DETAILED	AGC	03/27/23
CHECKED-REVIEWED	JOA	03/27/23
DESIGNS DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

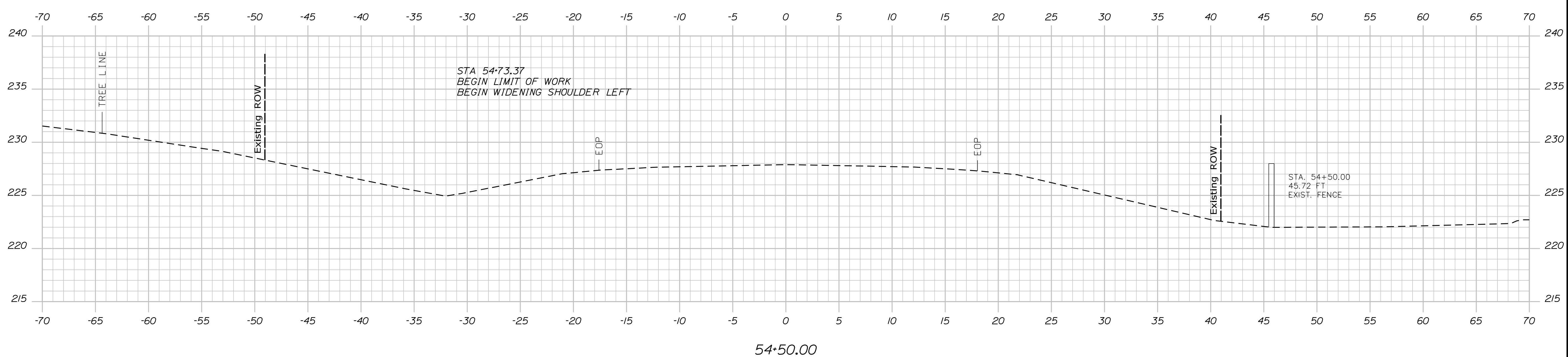
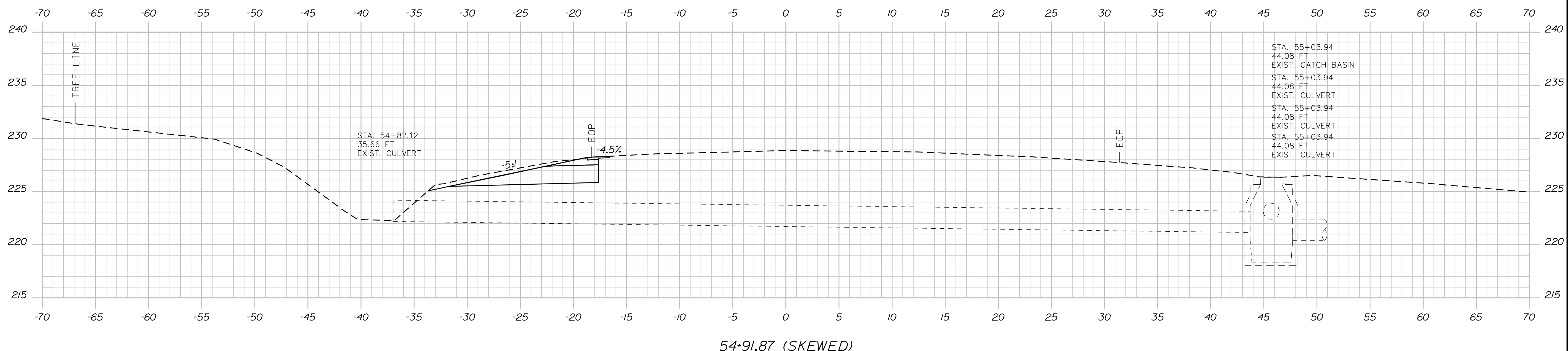
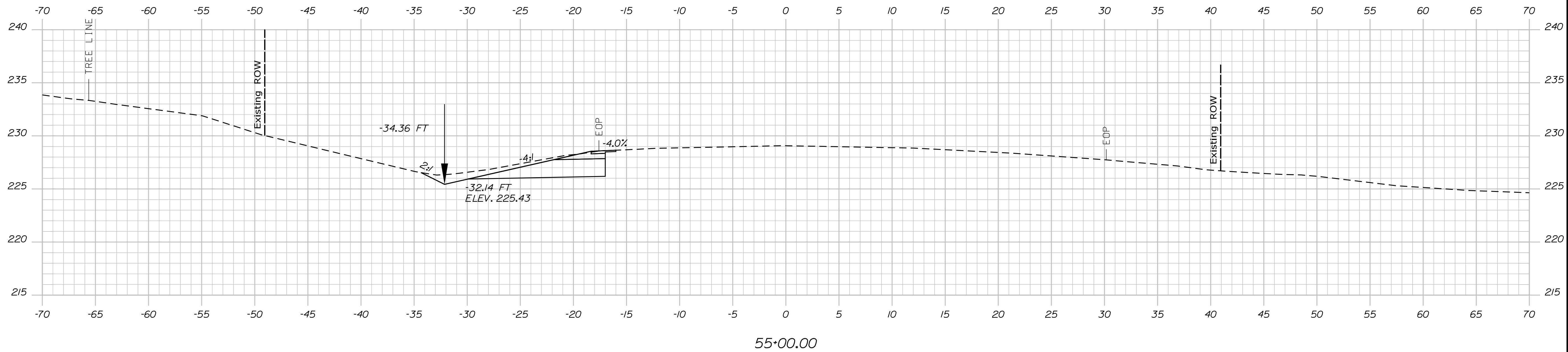
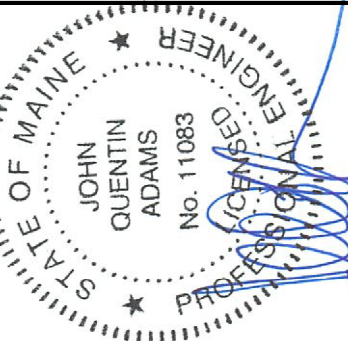
WELLS ROUTE 109 QUANTITIES



DESIGN-DETAILED	DATE	BY
CHECKED-REVIEWED	03/27/23	AGC
DESIGN-DETAILED	03/27/23	AGC
DESIGN-DETAILED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

SIGNATURE	DATE
JOHN QUENTIN ADAMS	03/27/2023
P.E. NUMBER	DATE
11083	03/27/2023

WELLS  
ROUTE 109  
PLAN/PROFILE



DATE	BY	DESCRIPTION	SIGNATURE	P.E. NUMBER	DATE
03/27/23	AGC	DESIGN-DETAILED			
03/27/23	AGC	CHECKED-REVIEWED			
		DESIGN-DETAILED			
		REVISIONS 1			
		REVISIONS 2			
		REVISIONS 3			
		REVISIONS 4			
		FIELD CHANGES			

WELLS  
ROUTE 109  
CROSS SECTIONS

SHEET NUMBER  
**6**  
OF 13



JOHN QUENTIN ADAMS  
 No. 11083  
 STATE OF MAINE  
 PROFESSIONAL ENGINEER

DATE	BY	DESIGN DETAILED	CHECKED/REVIEWED	DESIGN DETAILED	DESIGN DETAILED	REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4	FIELD CHANGES
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03/27/23										

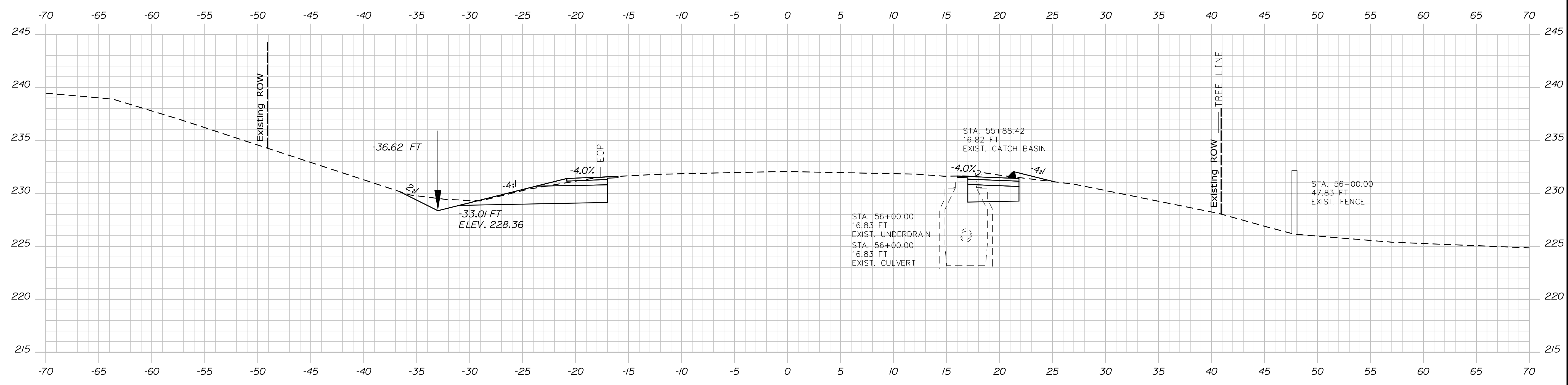
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## WELLS ROUTE 109 CROSS SECTIONS

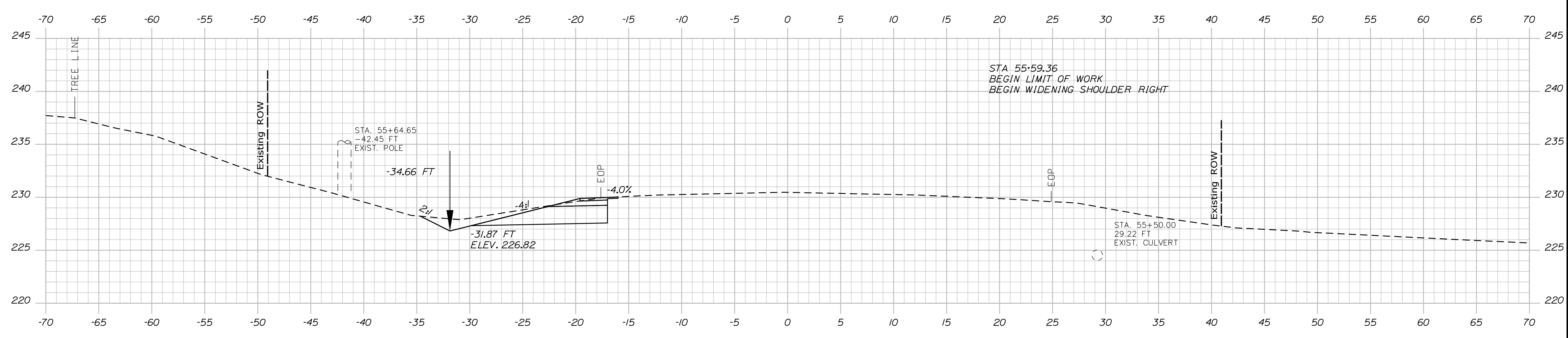
SHEET NUMBER

7

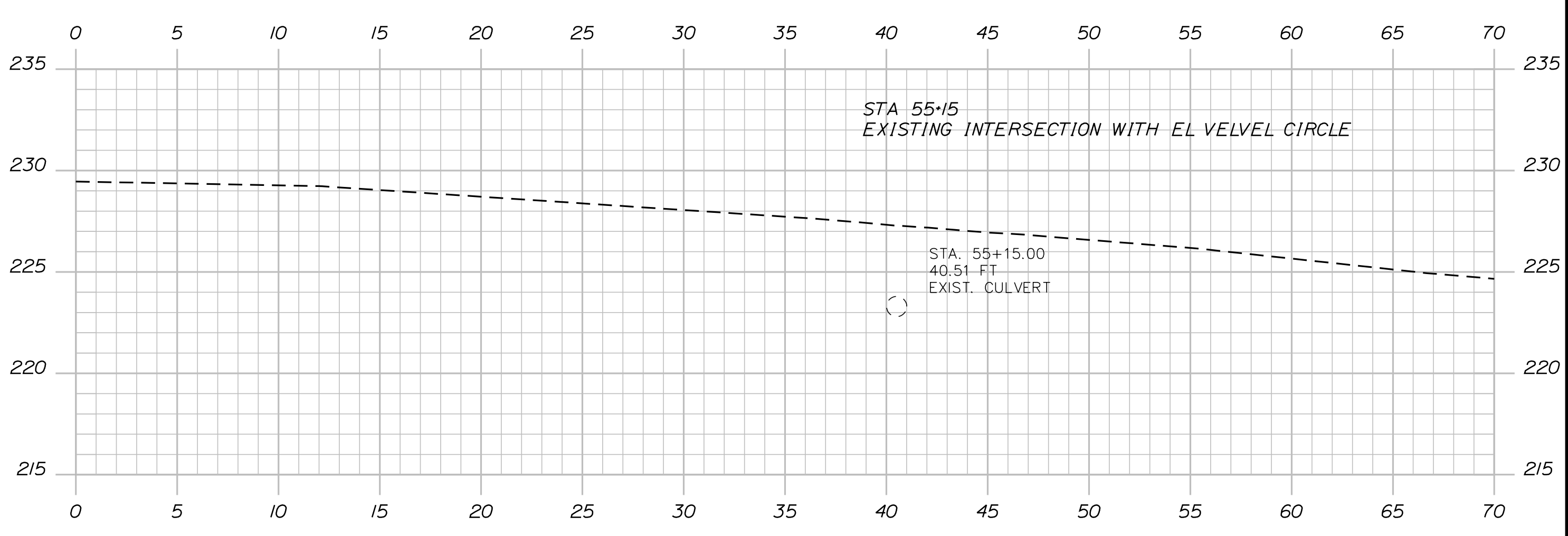
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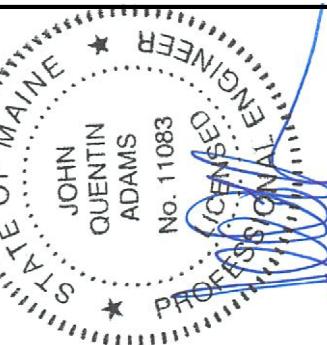
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55+50.00



55+15.00



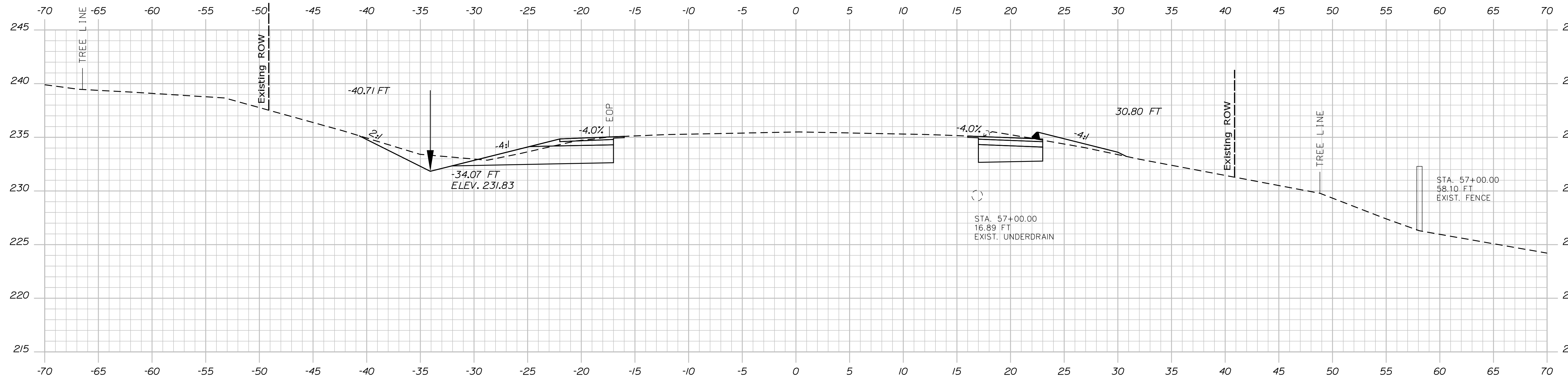
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BY	AGC	P.E. NUMBER	11083
DESIGN-DETAILED	AGC	REVISIONS 1	
CHECKED-REVIEWED	JOA	REVISIONS 2	
DESIGN-DETAILED		REVISIONS 3	
		REVISIONS 4	
		FIELD CHANGES	

## WELLS ROUTE 109 CROSS SECTIONS

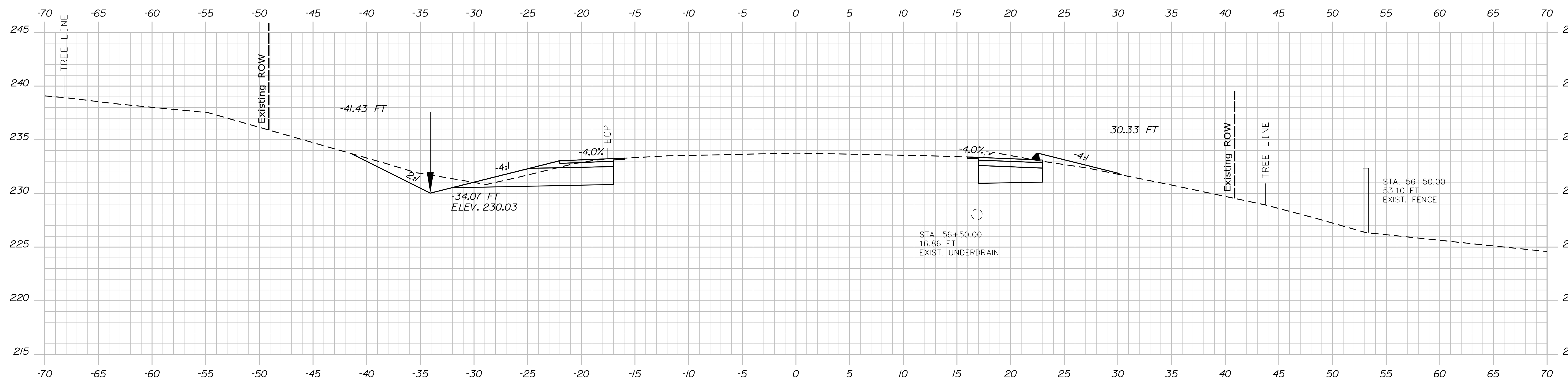
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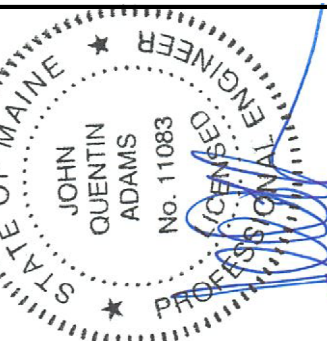
OF 13



57+00.00



56+50.00



JOHN QUENTIN ADAMS  
No. 11083  
PROFESSIONAL ENGINEER  
STATE OF MAINE

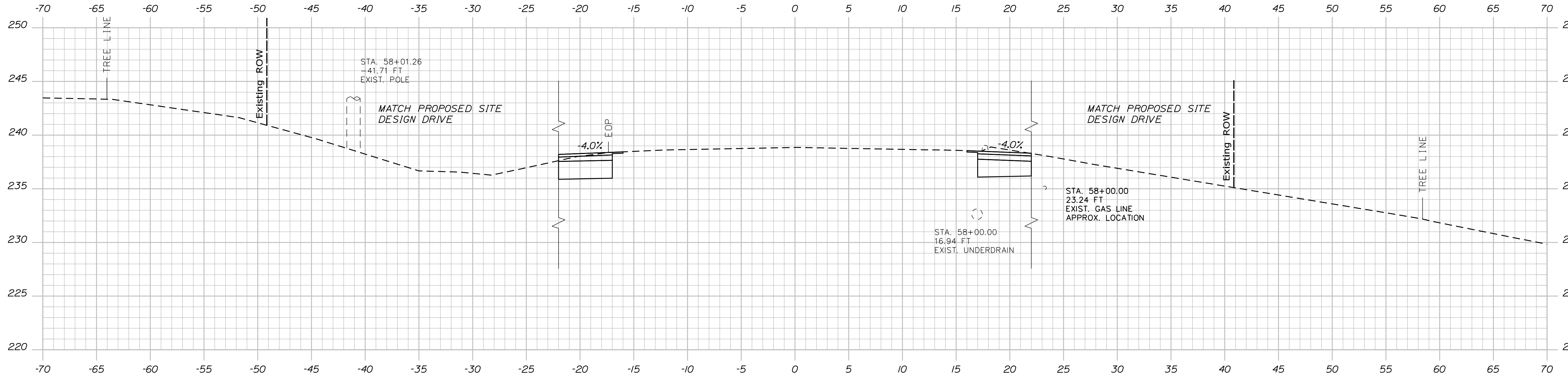
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03/27/23										

## WELLS ROUTE 109 CROSS SECTIONS

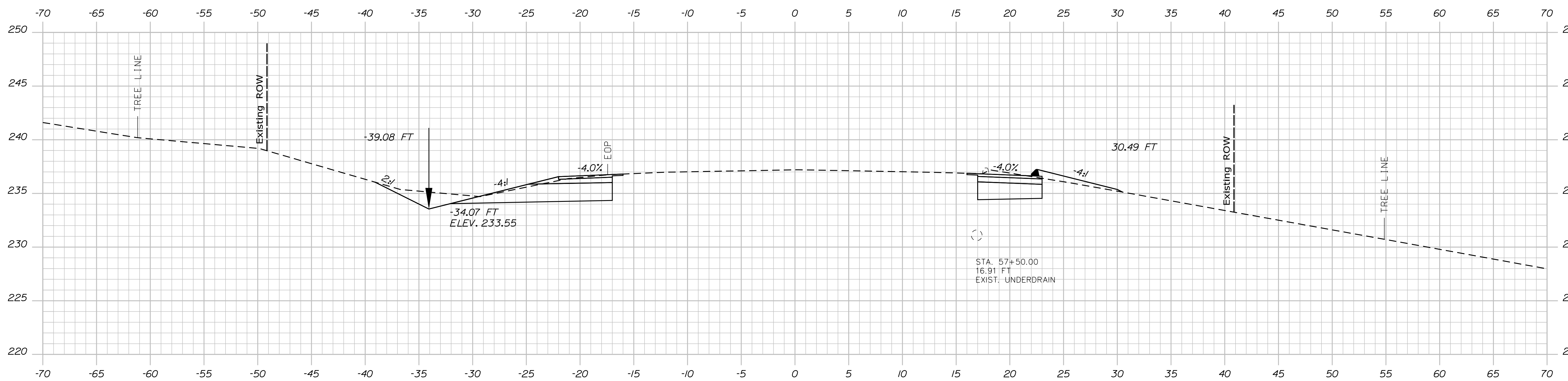
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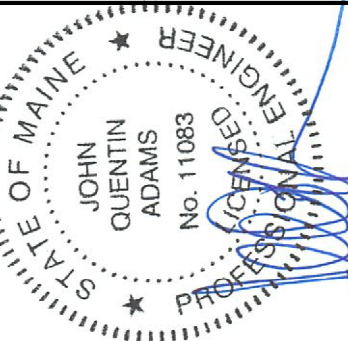
OF 13



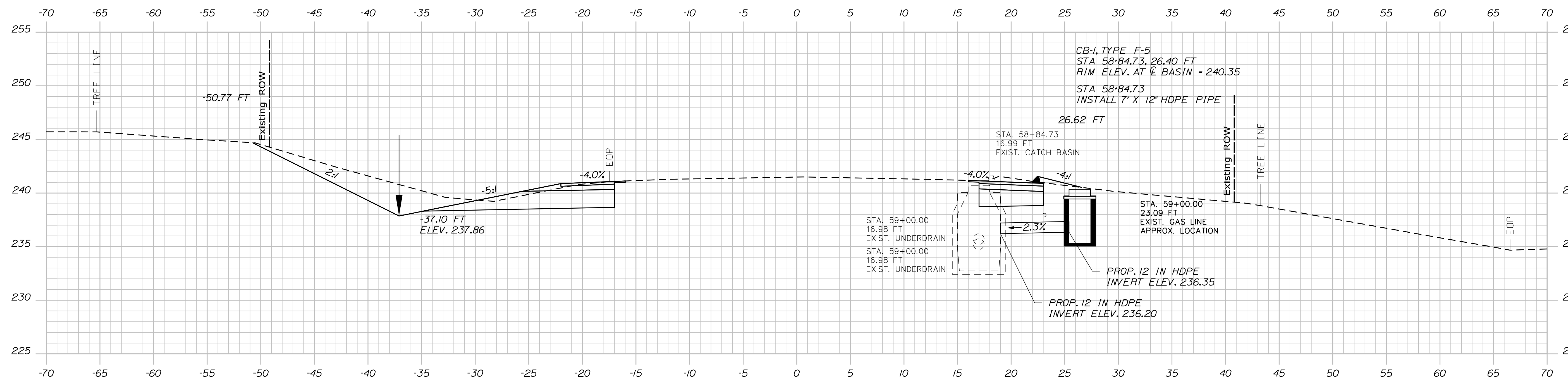
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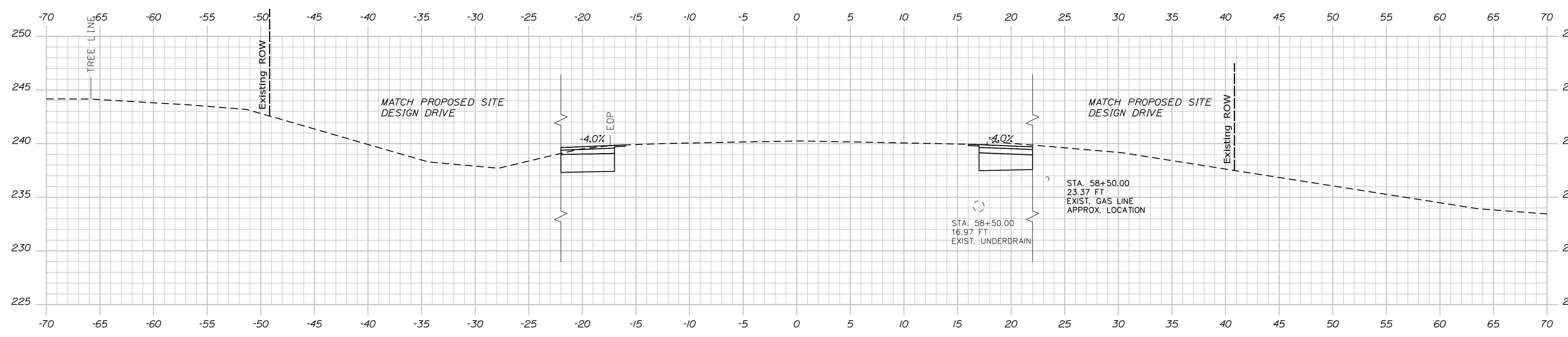
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DATE	BY	DESIGN-DETAILED	CHECKED-REVIEWED	DESIGN-DETAILED	REVISIONS	SIGNATURE	P.E. NUMBER	DATE
03/27/23	AGC	AGC	AGC	AGC	1	JOHN QUENTIN ADAMS	11083	03/27/2023
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					3			
					4			
					FIELD CHANGES			



59+00.00

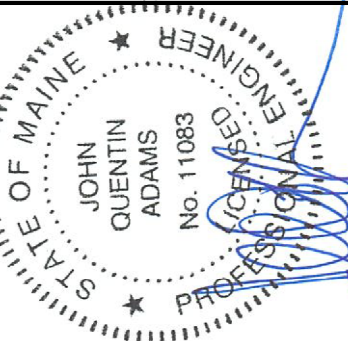


58+50.00

## WELLS ROUTE 109 CROSS SECTIONS

SHEET NUMBER  
**10**  
OF 13





SIGNATURE: \_\_\_\_\_  
 P.E. NUMBER: 11083  
 DATE: 03/27/2023

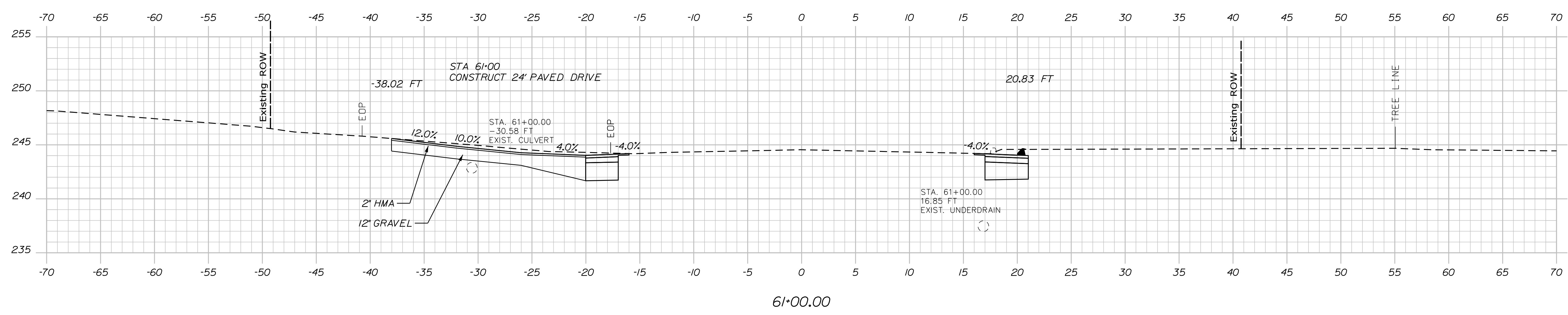
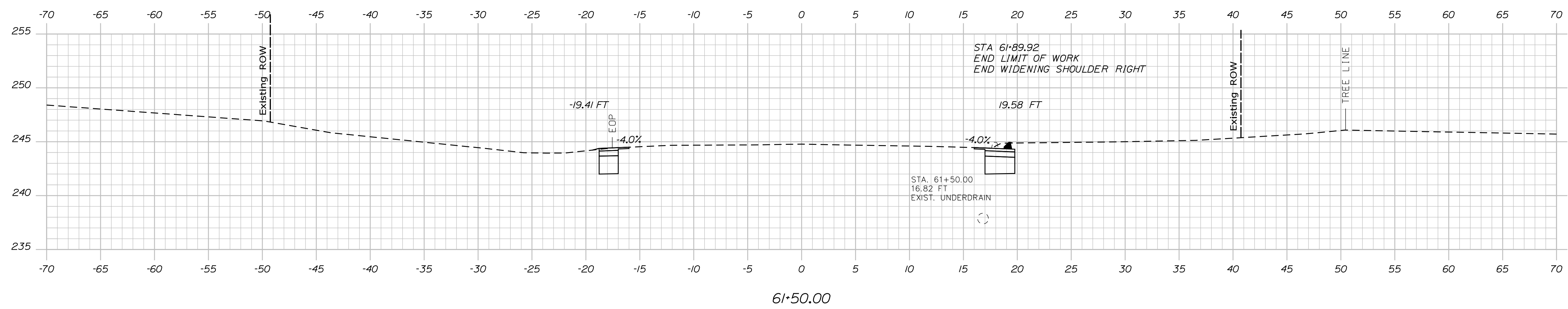
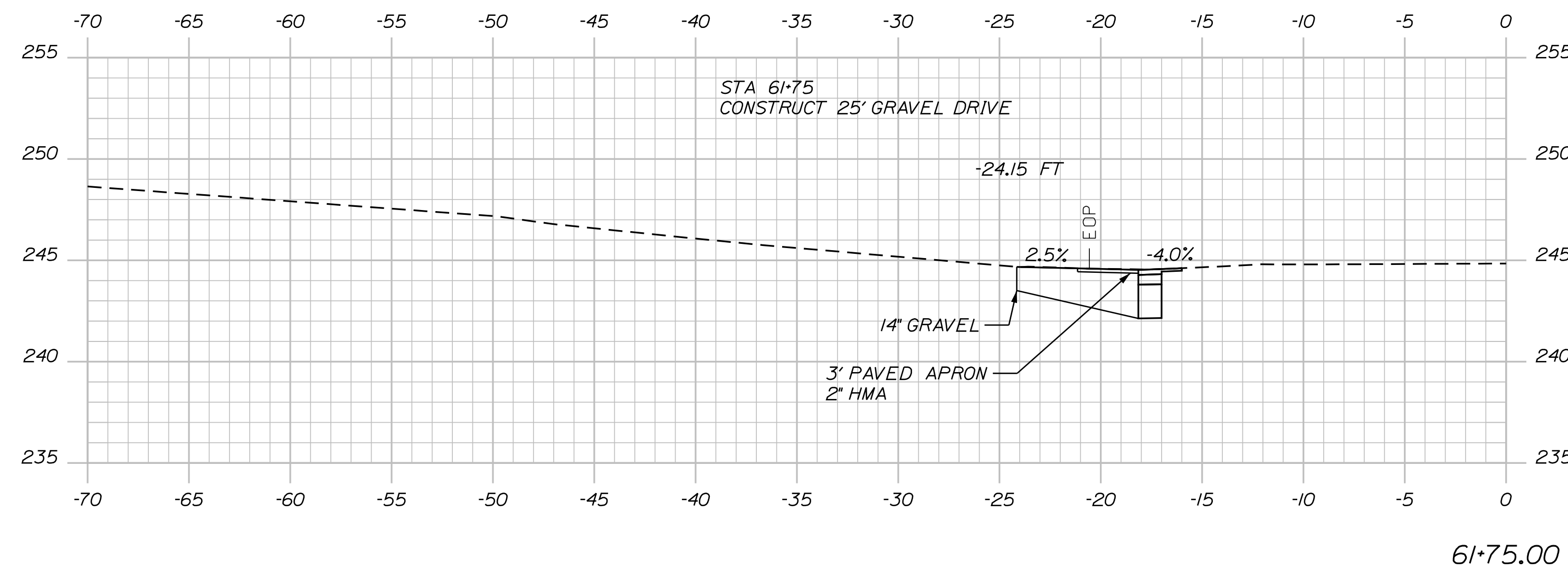
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03/27/23	AGC	DESIGN-DETAILED
03/27/23	JQA	CHECKED-REVIEWED
	JQA	DESIGN-DETAILED
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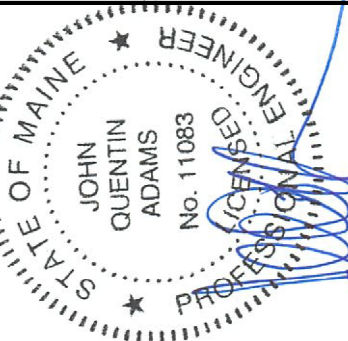
## WELLS ROUTE 109 CROSS SECTIONS

SHEET NUMBER

# 12

OF 13





DESIGN-DETAILED	AGC	DATE	03/27/23
CHECKED-REVIEWED	JGA	BY	AGC
DESIGN-DETAILED		SIGNATURE	
REVISIONS 1		P.E. NUMBER	11083
REVISIONS 2		DATE	03/27/2023
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

## WELLS ROUTE 109 CROSS SECTIONS

SHEET NUMBER

# 13

OF 13

