

# STATE OF MAINE DEPARTMENT OF TRANSPORTATION

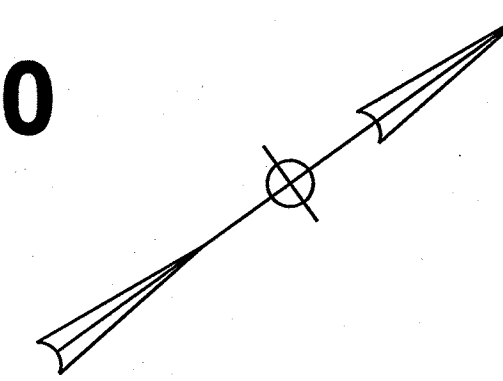


## WINSLOW KENNEBEC COUNTY

ROUTE 100A

**FEDERAL PROJECT NO. 2380300**

PROJECT LENGTH : 0.01 MILES



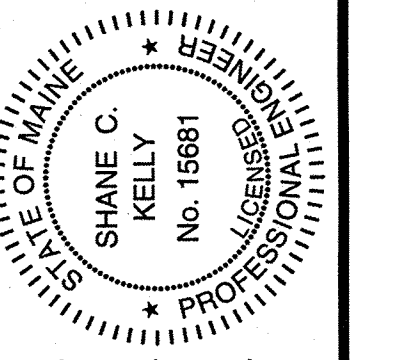
### PLAN LEGEND

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	Existing Proposed	Fire Hydrants	Existing	Proposed
Type 1	=====	Existing Water Line	-----W	
Type 3	=====	Existing San. Sewer	-----S	
Type 5	=====	Existing San. Sewer Manhole	⊙	
Outline of Bodies of Water	-----	Guardrail-Existing	-----	
Exposed Bedrock	-----	Guardrail-Proposed	-----	
Buildings	-----	Guardrail-Cable, Other	-----	
Trees	Conifer Deciduous	Centerline-Existing	-----	
Tree Line	-----	Centerline-Proposed	-----	
Clearing Limit Line	-----	Travelway-Existing	-----	
Railroad	-----	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)	

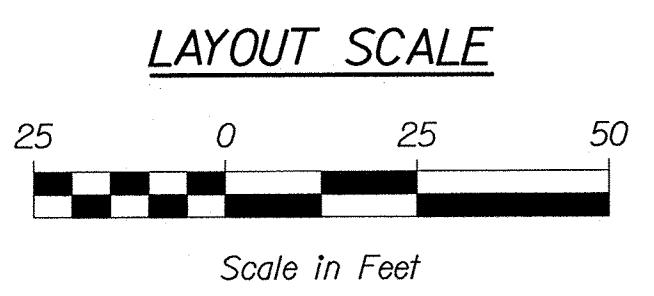
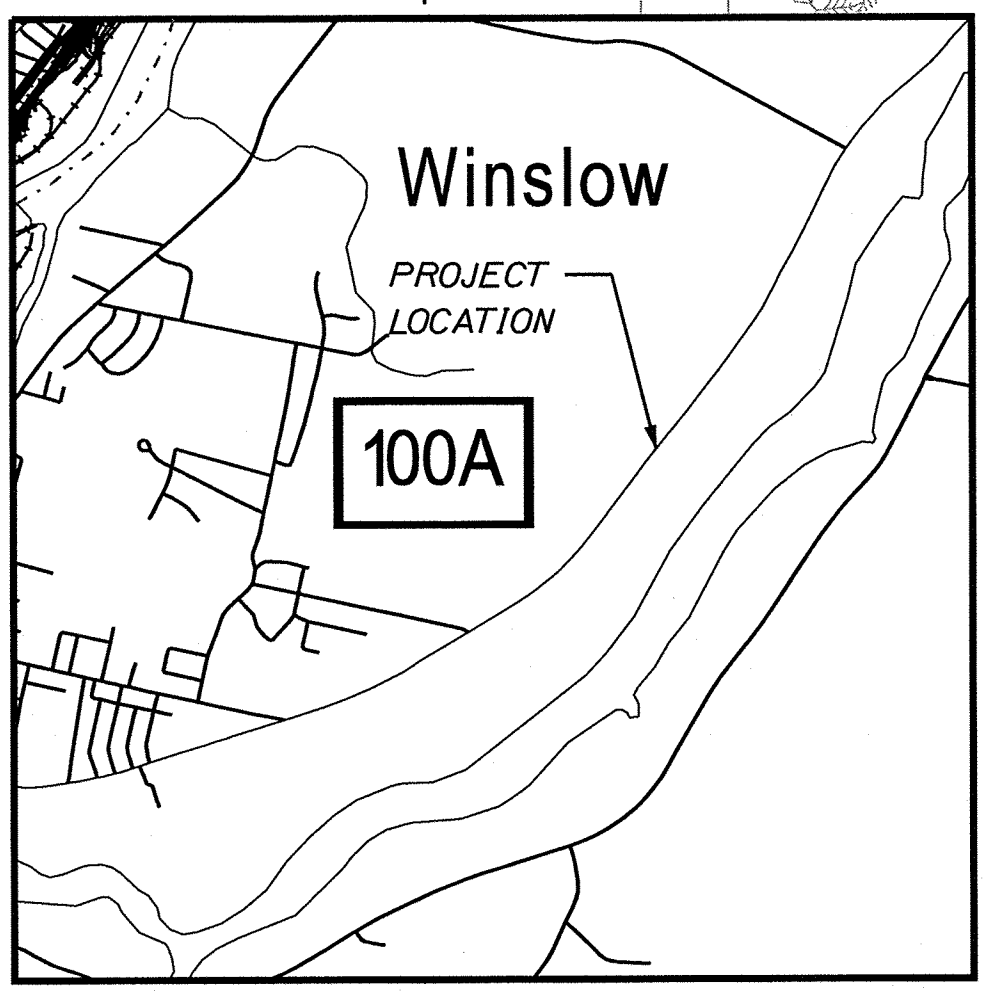
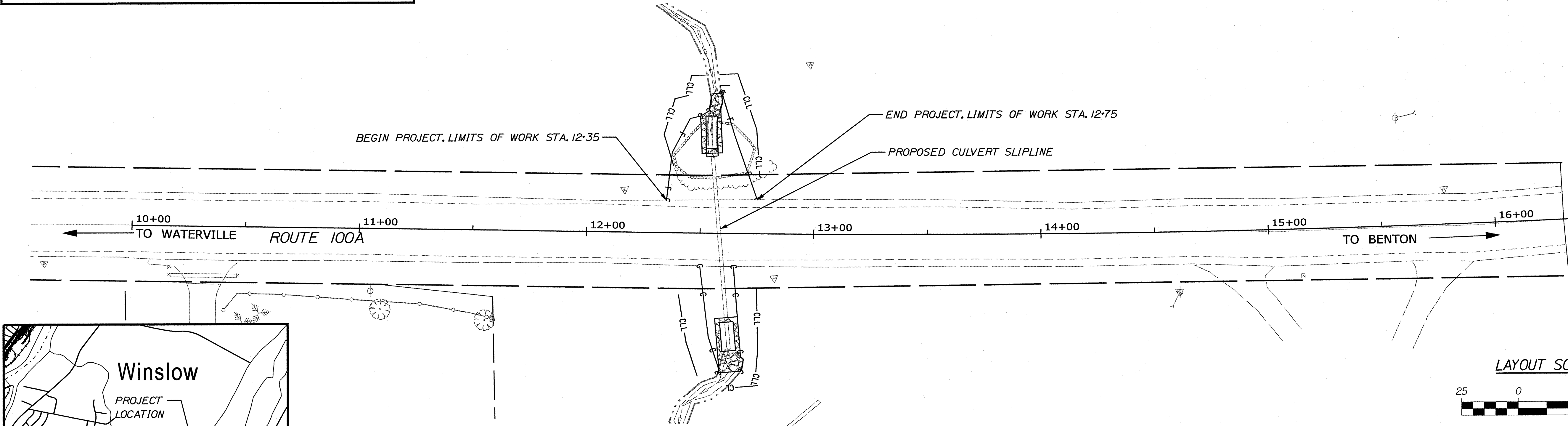
### INDEX OF SHEETS

Description	Sheet No.
Title Sheet	1
General Notes & Estimated Quantities	2
Pipe Details	3
General Plan	4
Cross Sections	5-7
Right of Way Map	8

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER: <i>Shane Kelly</i>		1-25-24
CHIEF ENGINEER: <i>Shane Kelly</i>		1-25-24



SIGNATURE	15681	P.E. NUMBER	DATE
ROB BETZ	SHANE KELLY	01/16/2024	
PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT
PROGRAM	CONTRACTOR	PROJECT INFORMATION	PROJECT COMPLETION DATE



TRAFFIC DATA	
Current (2024) AADT	2,160
Future (2044) AADT	2,590
DHV - % of AADT	11%
Design Hour Volume	285
% Heavy Trucks (AADT)	4%
Directional Distribution (DHV)	66%
Design Speed (mph)	50
Functional Class	Major Collector
Corridor Priority	4

<b>PROJECT LOCATION:</b>	ALONG ROUTE 100A APPROXIMATELY 0.57 MILES SOUTH OF HEYWOOD ROAD.
<b>PROGRAM AREA:</b>	REGIONAL PROGRAM
<b>SCOPE OF WORK:</b>	LARGE CULVERT REHABILITATION: SLIP LINING

WIN 23803.00

**WINSLOW  
ROUTE 100A  
TITLE SHEET**

SHEET NUMBER  
**1**  
OF 8

Date: 1/16/2024

Username: blyon

Division: HIGHWAY

Filename: ... \MSTA\Sheets\001\_TITLE.dgn

Date: 1/4/2024

Username: skelly

Division: HIGHWAY

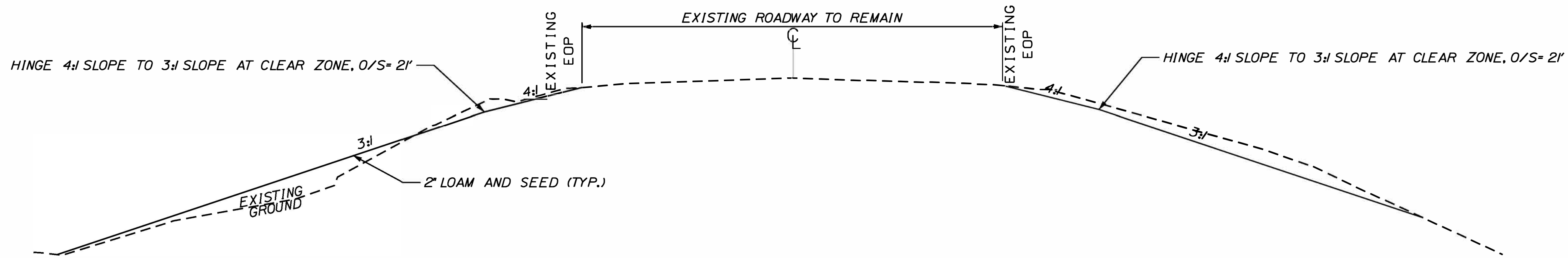
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**GENERAL NOTES**

- 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.
- 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.
- 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.
- THE FOLLOWING SHALL BE INCIDENTAL TO ITEM 509.202 CULVERT SLIPLINING:
  - ANY CUTTING OF EXISTING CULVERTS AND/OR CONNECTORS NECESSARY TO INSTALL NEW CULVERT REPLACEMENTS OR EXTENSIONS;
  - ALL PIPE EXCAVATION INCLUDING ANY CUTTING AND REMOVAL OF PAVEMENT;
  - FURNISHING, PLACING, GRADING, AND COMPACTING OF ANY NEW GRAVEL AND FOR TEMPORARY DETOURS TO MAINTAIN TRAFFIC DURING PIPE INSTALLATION (EXCAVATION IS ALSO INCIDENTAL);
- NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF 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.
- 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
- 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.
- 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.
- 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.
- STATIONS REFERENCED ARE APPROXIMATE.

**CONSTRUCTION NOTES**

- THE CONTRACTOR WILL PERFORM FIELD MEASUREMENTS BEFORE FABRICATION TO ENSURE THE SLIP LINE WILL FIT IN THE CURRENT PIPE CONDITIONS.
- ITEM NO. 509.202 SHALL INCLUDE ALL WORK AND MATERIALS NECESSARY TO COMPLETE THE SLIPLINING. THIS INCLUDES, BUT IS NOT LIMITED TO, DEWATERING, CLEANING THE EXISTING STRUCTURE, FURNISHING AND PLACING.



TYPICAL SLOPE SECTION

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	10	CY
203.25	GRANULAR BORROW	10	CY
509.202	CULVERT SLIPLINING (103 LF)	1	LS
511.07	COFFERDAM: UPSTREAM	1	LS
511.07	COFFERDAM: DOWNSTREAM	1	LS
610.08	PLAIN RIPRAP	25	CY
615.07	LOAM	8	CY
618.14	SEEDING METHOD NUMBER 2	2	UN
619.12	MULCH	2	UN
619.14	EROSION CONTROL MIX	5	CY
620.58	EROSION CONTROL GEOTEXTILE	35	SY
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	LARGE TRUCK (INCLUDING OPERATOR)	10	HR
639.21	FIELD OFFICE TYPE D	1	EA
652.33	DRUM	25	EA
652.34	CONE	100	EA
652.35	CONSTRUCTION SIGN	300	SF
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	20	CD
652.38	FLAGGER	300	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

023803.00

WIN  
23803.00

HIGHWAY PLANS

DATE  
01/04/24

BY  
S. KELLY

PROJ. MANAGER  
R. BETZ

DESIGN-DETAILED  
CHECKED-REVIEWED

DESIGN-DETAILED  
DESIGN-DETAILED

REVISIONS 1  
REVISIONS 2

REVISIONS 3  
REVISIONS 4

FIELD CHANGES

SIGNATURE

P.E. NUMBER

DATE

SHEET NUMBER

WINSLOW  
ROUTE 100A  
GENERAL NOTES &  
ESTIMATED QUANTITIES

2

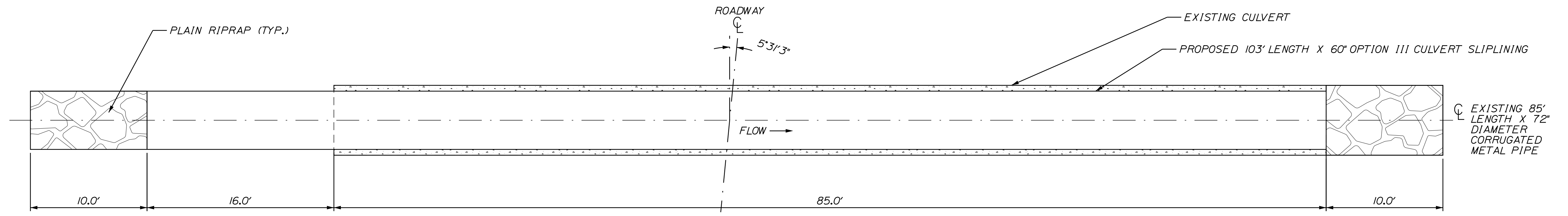
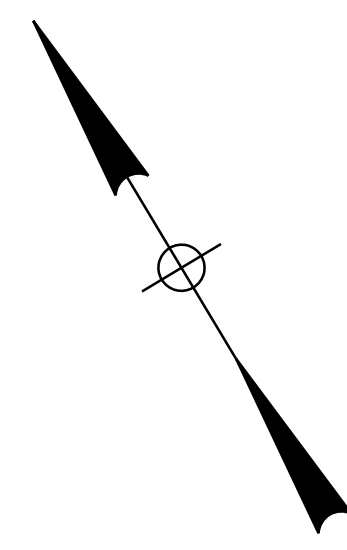
OF 8

Date: 1/3/2024

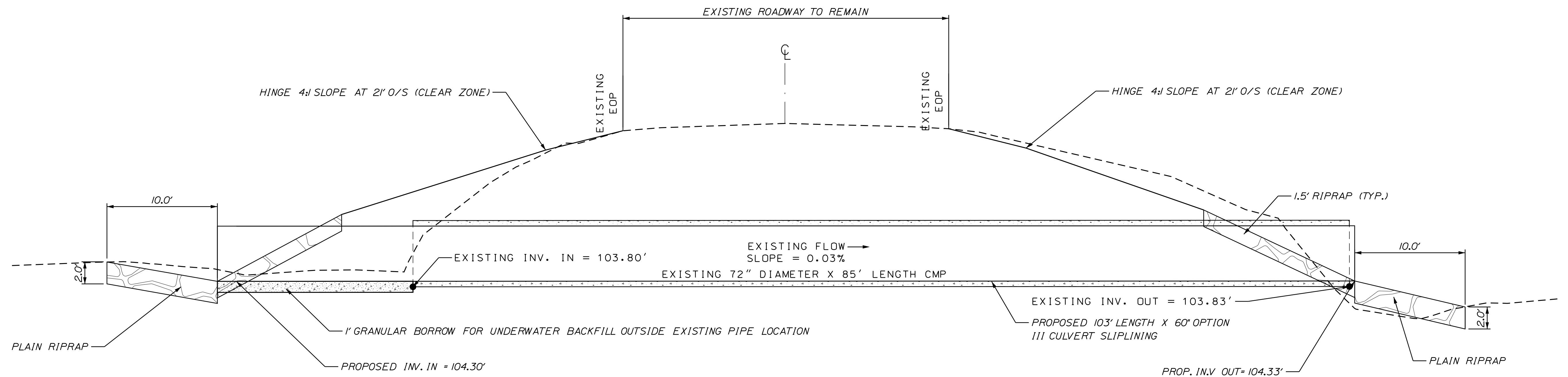
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Division: HIGHWAY

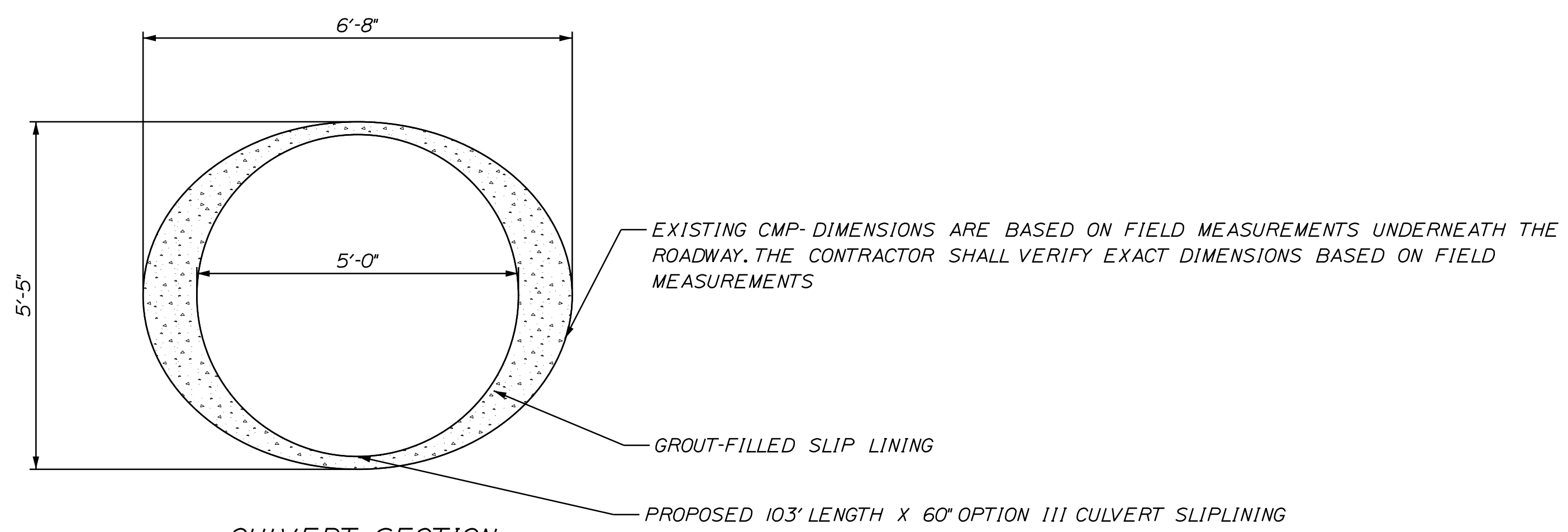
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CULVERT PLAN  
N.T.S.



TRANSVERSE SECTION, STA. 12+58.26 (SKEW -05°31'03")  
(ALONG CENTERLINE OF CULVERT) N.T.S.



CULVERT SECTION  
N.T.S.

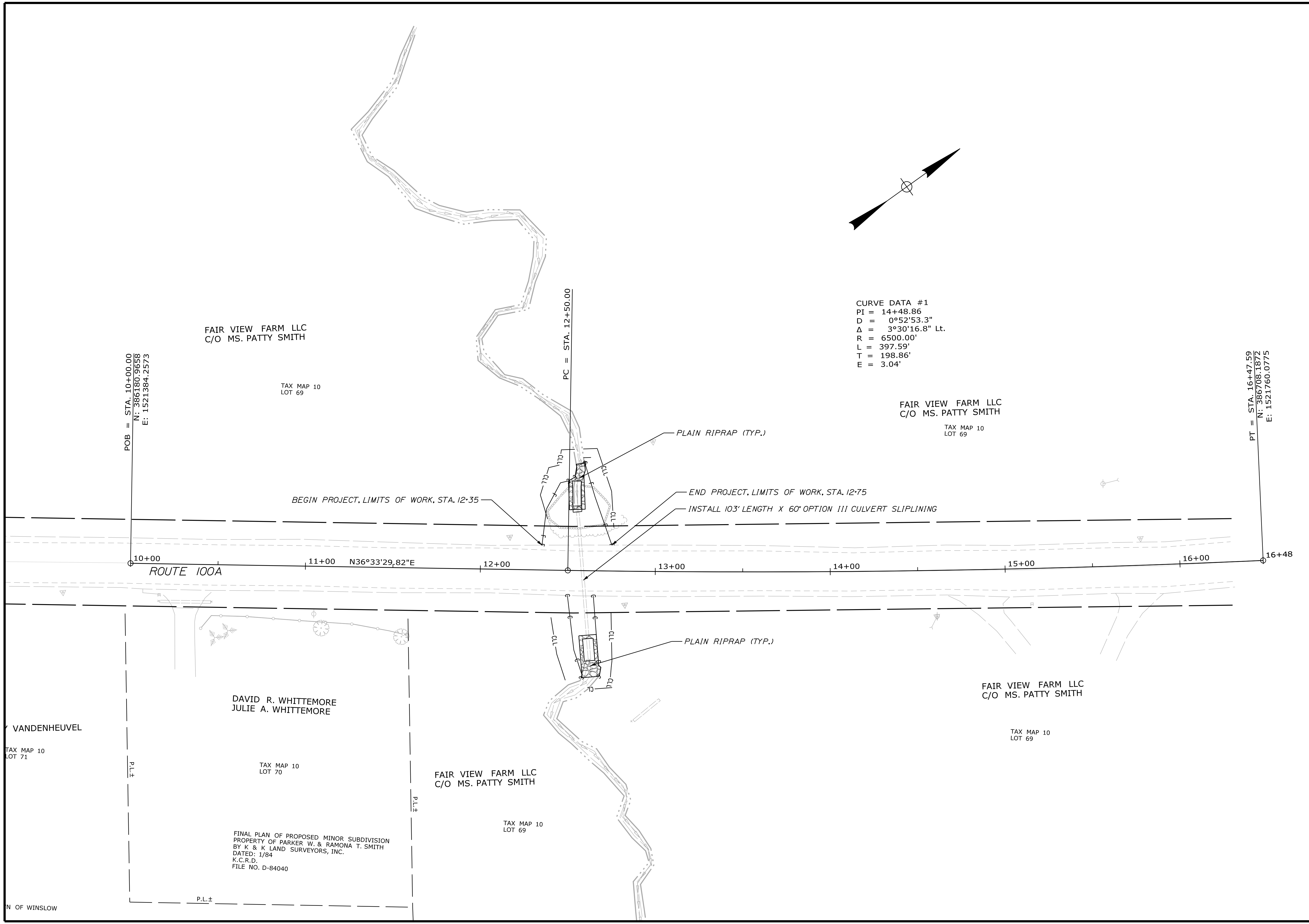
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
023803.00  
WIN 23803.00  
HIGHWAY PLANS

DESIGNED	DATE	SIGNATURE
CHECKED	01/04/24	
DESIGNED		P.E. NUMBER
REVISIONS 1		DATE
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER	BY	DATE
R. BETZ	S. KELLY	01/04/24
DESIGNED		
CHECKED		
DESIGNED		
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

WINSLOW  
ROUTE 100A  
PIPE DETAILS

SHEET NUMBER  
**3**  
OF 8



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		023803.00	
SIGNATURE		P.E. NUMBER	
DATE		DATE	
WIN		23803.00	
HIGHWAY PLANS			
PROJ. MANAGER	BY	DATE	
DESIGN-DETAILED	S. KELLY	01/04/24	
CHECKED-REVIEWED			
DESIGN-DETAILED			
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
WINSLOW ROUTE 100A		SHEET NUMBER	
GENERAL PLAN		4	
		OF 8	

FINAL PLAN OF PROPOSED MINOR SUBDIVISION  
PROPERTY OF PARKER W. & RAMONA T. SMITH  
DATED: 1/84  
K.C.R.D.  
FILE NO. D-84040

TAX MAP 10  
LOT 71

DAVID R. WHITTEMORE  
JULIE A. WHITTEMORE

FAIR VIEW FARM LLC  
C/O MS. PATTY SMITH

TAX MAP 10  
LOT 69

FAIR VIEW FARM LLC  
C/O MS. PATTY SMITH

TAX MAP 10  
LOT 69

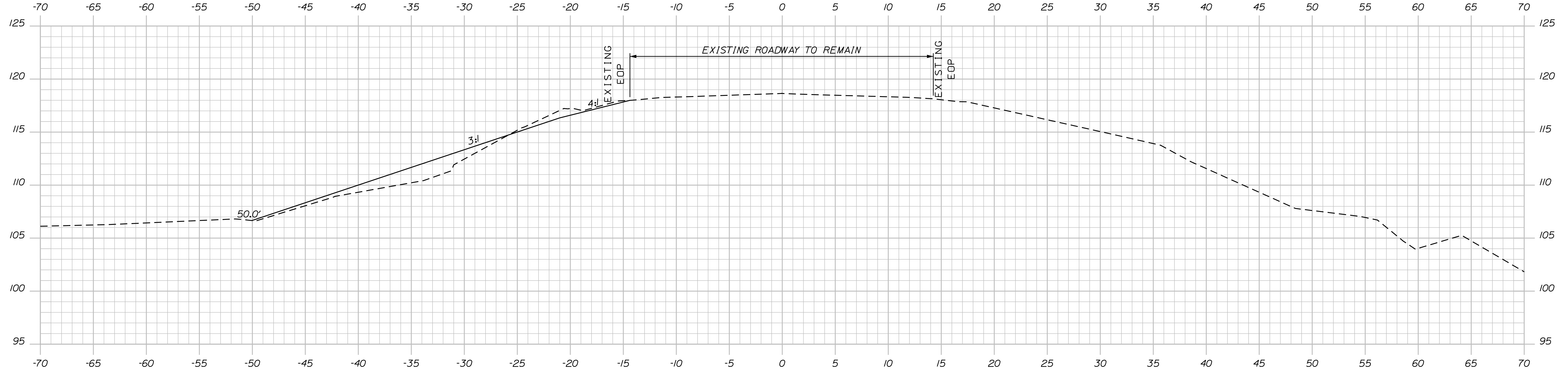
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Date: 1/3/2024

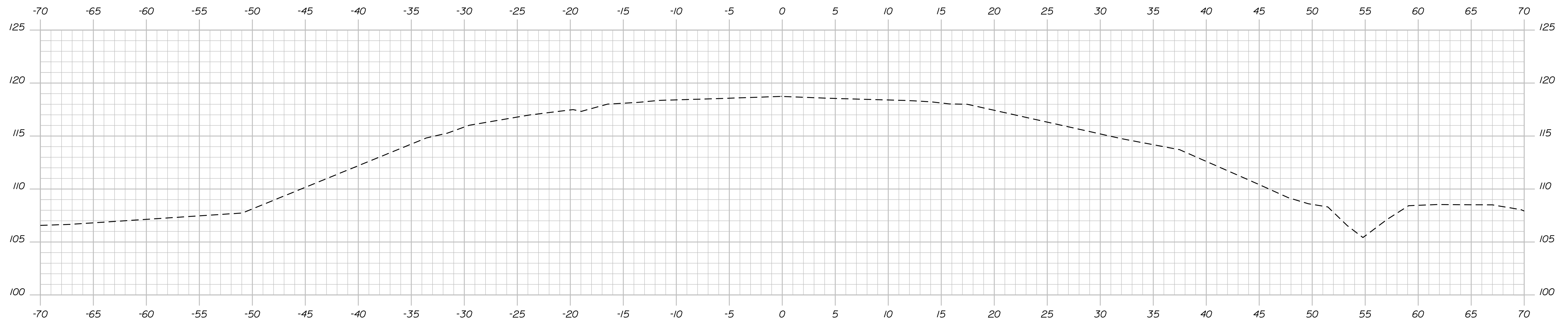
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Division: HIGHWAY

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12+45.00



12+35.00 (MATCH EXISTING SLOPES)

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
023803.00  
WIN  
23803.00  
HIGHWAY PLANS

PROJ. MANAGER  
R. BETZ  
BY  
S. KELLY  
DATE  
01/04/24  
SIGNATURE  
P.E. NUMBER  
DATE

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

WINSLOW  
ROUTE 100A  
CROSS SECTIONS

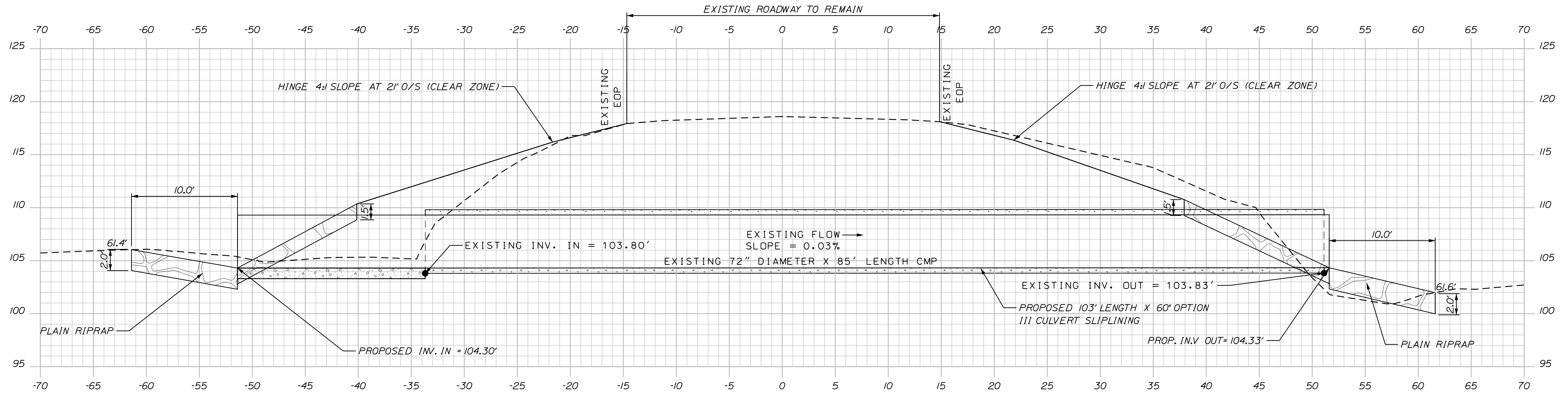
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**5**  
OF 8

Date: 1/3/2024

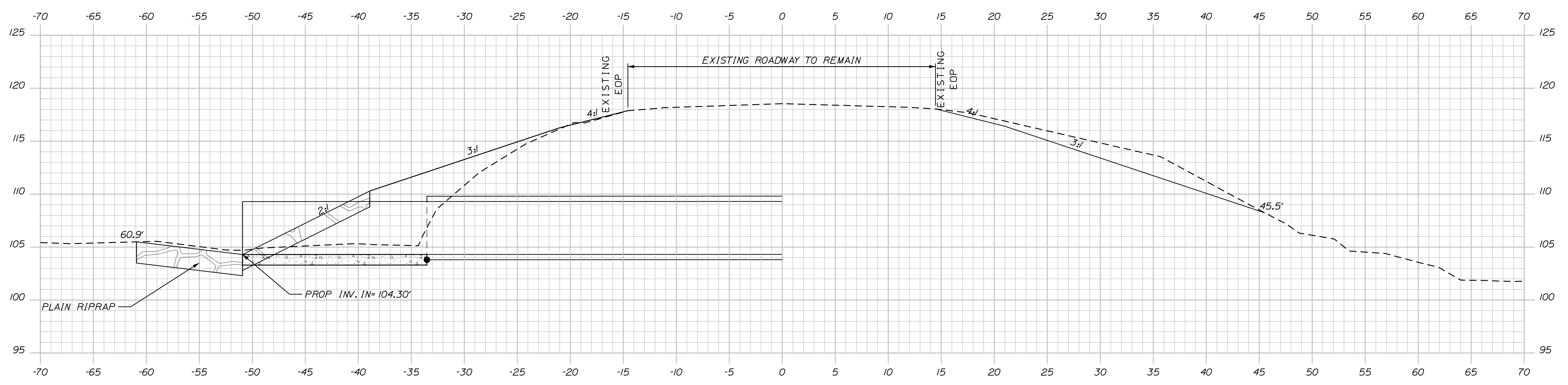
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Division: HIGHWAY

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12+58.26 (SKEW -5°31'03")



12+55.00 (INLET LOCATION)

STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION

023803.00

WIN

HIGHWAY PLANS

DATE  
01/04/24

BY  
S. KELLY

R. BETZ

PROJ. MANAGER

CHECKED-REVIEWED

DESIGNS DETAILER

DESIGNS DETAILER

REVISIONS 1

REVISIONS 2

REVISIONS 3

REVISIONS 4

FIELD CHANGES

SIGNATURE

P.E. NUMBER

DATE

WINSLOW  
ROUTE 100A

CROSS SECTIONS

SHEET NUMBER

6

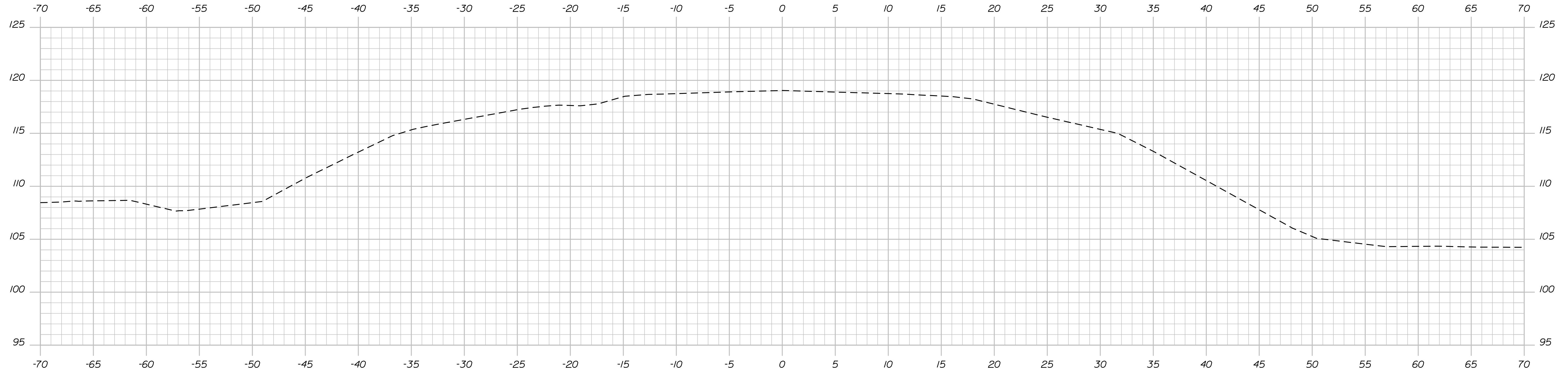
OF 8

Date: 1/3/2024

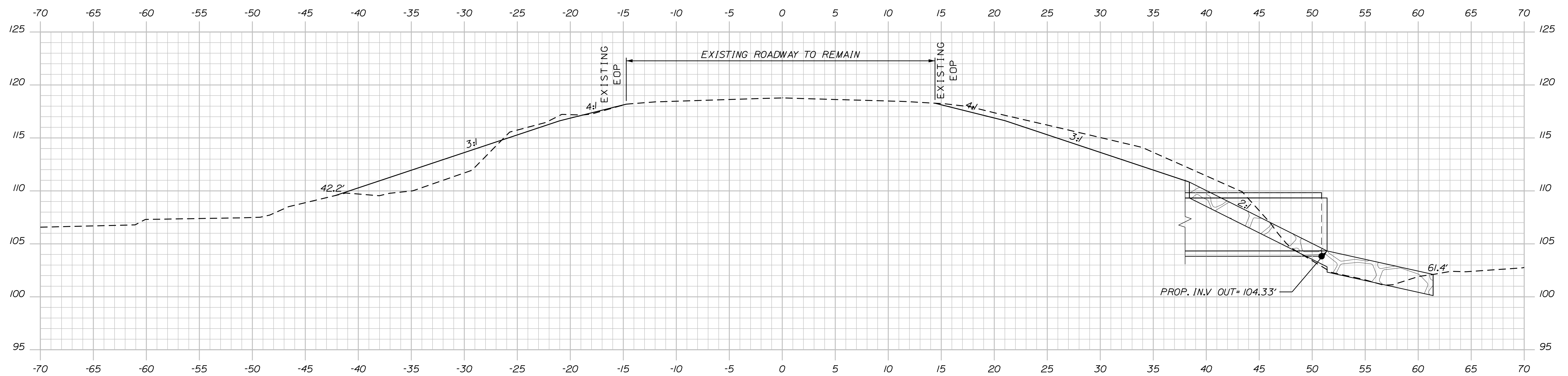
Username: skelly

Division: HIGHWAY

Filename: ... \HIGHWAY\MSTA\Sheets\XSECT.dgn



12+75.00 (MATCH EXISTING SLOPES)



12+65.00 (OUTLET LOCATION)

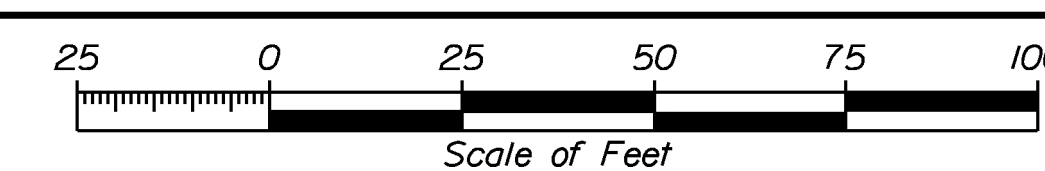
STATE OF MAINE  
DEPARTMENT OF TRANSPORTATION  
023803.00  
WIN  
23803.00  
HIGHWAY PLANS

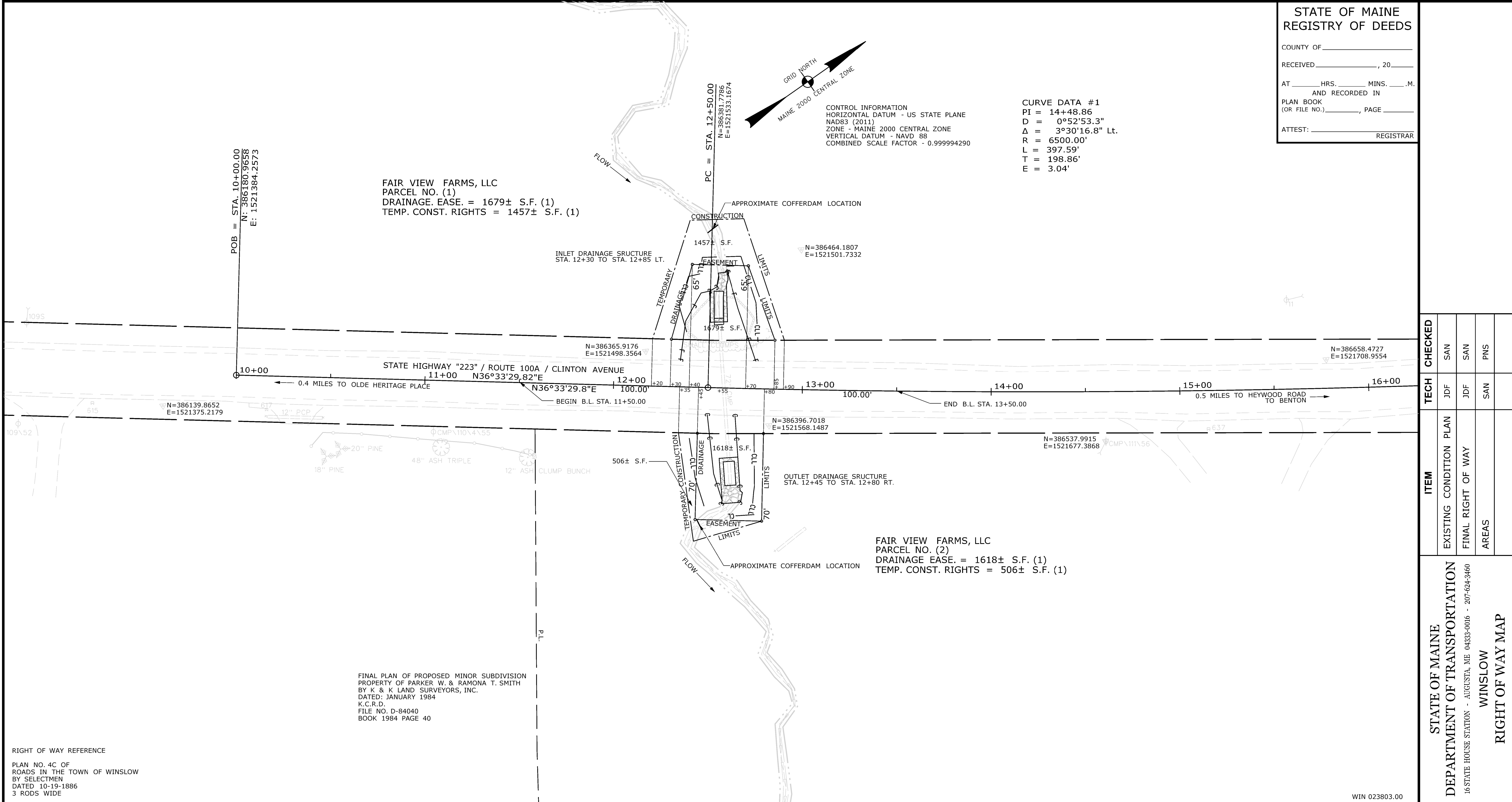
SIGNATURE  
P.E. NUMBER  
DATE

PROJ. MANAGER	DATE	BY	R. BETZ
DESIGN DETAILED	01/04/24	S. KELLY	
CHECKED-REVIEWED			
DESIGNS DETAILED			
DESIGNS DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

WINSLOW  
ROUTE 100A  
CROSS SECTIONS

SHEET NUMBER  
7  
OF 8

Town, County, State _____ Approx. Property Lines _____ P.L. Existing Right of Way _____ Limits of Wrought Portion _____ L.O.W.P. Control Of Access _____ C.O.A. New Right of Way _____ New Easement _____ New Temporary Rights _____ New R/W Within Existing R/W _____	<b>PLAN LEGEND</b> <table border="0" style="width:100%;"> <tr> <td style="width:33%;">           New R/W Along Existing R/W            Building _____            Trees Conifer _____            Tree Line _____            Water Edge _____            Ledge _____            Fence CHAIN LINK _____            Sign _____         </td> <td style="width:33%;">           Clearing Limit Line _____            Deciduous _____            Bush Line _____            Rock/Boulder _____            Flag Pole _____            BARB WIRE _____            STOCKADE _____            WELL _____            Mailbox _____         </td> <td style="width:33%;">           Existing _____ Proposed _____            Sanitary Sewer _____            Telephone Line _____            Electric Line _____            Water Line _____            Underdrain Line _____            Gas Line _____            Guardrail _____            Culvert _____         </td> </tr> <tr> <td>           Traveled Way _____            Ditch _____            Catch Basin _____            Manhole _____            Sewer Manhole _____            Utility Pole _____            Fire Hydrant _____            Curbing _____         </td> <td>           Existing _____ Proposed _____            Traveled Way _____            Ditch _____            Catch Basin _____            Manhole _____            Sewer Manhole _____            Utility Pole _____            Fire Hydrant _____            Curbing _____         </td> <td>           Cut Line _____            Stonewall _____            Baseline _____            Monument _____            Iron Rod Found _____            Replacement Pin Set _____         </td> </tr> </table>	New R/W Along Existing R/W Building _____ Trees Conifer _____ Tree Line _____ Water Edge _____ Ledge _____ Fence CHAIN LINK _____ Sign _____	Clearing Limit Line _____ Deciduous _____ Bush Line _____ Rock/Boulder _____ Flag Pole _____ BARB WIRE _____ STOCKADE _____ WELL _____ Mailbox _____	Existing _____ Proposed _____ Sanitary Sewer _____ Telephone Line _____ Electric Line _____ Water Line _____ Underdrain Line _____ Gas Line _____ Guardrail _____ Culvert _____	Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____	Existing _____ Proposed _____ Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____	Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____	Fill Line _____ Retaining Wall _____ Traverse Point _____ Pipe Found _____	THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED TO ESTABLISH LEGAL BOUNDARIES BETWEEN ABUTTING PROPERTY OWNERS.  
New R/W Along Existing R/W Building _____ Trees Conifer _____ Tree Line _____ Water Edge _____ Ledge _____ Fence CHAIN LINK _____ Sign _____	Clearing Limit Line _____ Deciduous _____ Bush Line _____ Rock/Boulder _____ Flag Pole _____ BARB WIRE _____ STOCKADE _____ WELL _____ Mailbox _____	Existing _____ Proposed _____ Sanitary Sewer _____ Telephone Line _____ Electric Line _____ Water Line _____ Underdrain Line _____ Gas Line _____ Guardrail _____ Culvert _____							
Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____	Existing _____ Proposed _____ Traveled Way _____ Ditch _____ Catch Basin _____ Manhole _____ Sewer Manhole _____ Utility Pole _____ Fire Hydrant _____ Curbing _____	Cut Line _____ Stonewall _____ Baseline _____ Monument _____ Iron Rod Found _____ Replacement Pin Set _____							



**STATE OF MAINE**  
**REGISTRY OF DEEDS**

COUNTY OF \_\_\_\_\_

RECEIVED \_\_\_\_\_, 20\_\_\_\_

AT \_\_\_\_\_ HRS. \_\_\_\_\_ MINS. \_\_\_\_\_ M.  
 AND RECORDED IN \_\_\_\_\_

PLAN BOOK (OR FILE NO.) \_\_\_\_\_, PAGE \_\_\_\_\_

ATTEST: \_\_\_\_\_ REGISTRAR

ITEM	TECH	CHECKED		
		JDF	SAN	PNS
EXISTING CONDITION PLAN	JDF	SAN	SAN	PNS
FINAL RIGHT OF WAY AREAS	JDF	SAN	SAN	PNS

**STATE OF MAINE**  
**DEPARTMENT OF TRANSPORTATION**  
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460

**WINSLOW**  
**RIGHT OF WAY MAP**

<b>NO.</b>	<b>DATE</b>	<b>REVISIONS DESCRIPTION</b>	<b>BY</b>	<b>PLAN FILED IN PLAN BOOK</b>	<b>PAGE</b>	<b>COUNTY RECORD</b>	<b>BRUCE A. VAN NOTE</b>
				<b>NO.</b>	<b>GRANTOR</b>	<b>INSTRUMENT</b>	<b>DATE</b>
						<b>COND.</b>	<b>BOOK</b>
							<b>PAGE</b>
							<b>COMMISSIONER</b>
							<b>JOYCE NOEL TAYLOR</b>
							<b>CHIEF ENGINEER</b>
							<b>DATE</b>

**STATE HIGHWAY "223"**  
**ROUTE 100A / CLINTON AVENUE**  
**WINSLOW KENNEBEC COUNTY**  
**STATE PROJECT NO. 23803.00**

**SHEET NUMBER**  
8  
 OF 8

MAY 2023  
 SCALE 1" = 25'

RIGHT-OF-WAY MAP  
 SHEET 1 OF 1

D.O.T. FILE NO. 6-500

Date: 1/18/2024  
 Username: common  
 Division: HIGHWAY  
 Filename: ...\\001\ROW\MSTA001\_RWP\PLAN1.dgn

WIN 023803.00