

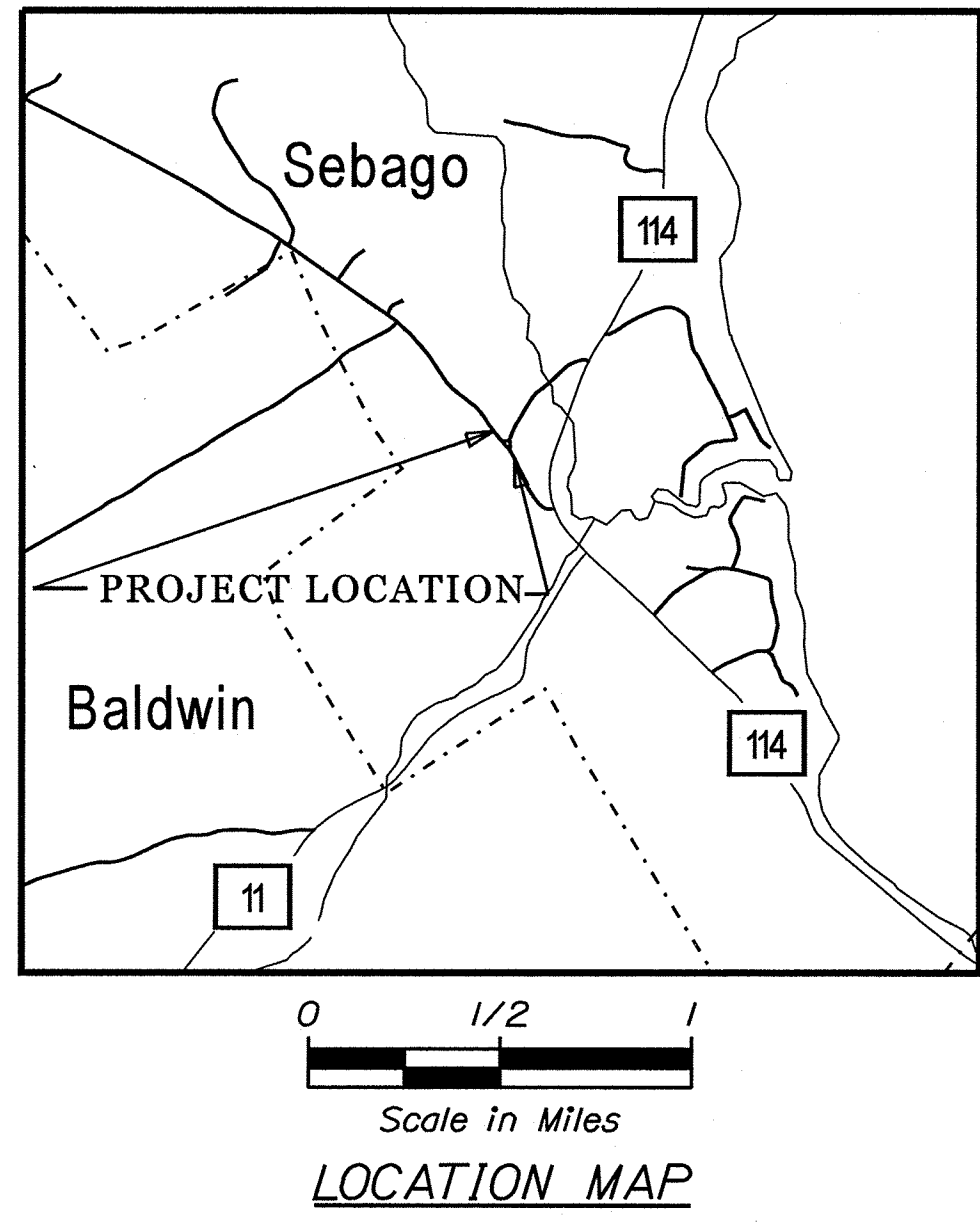
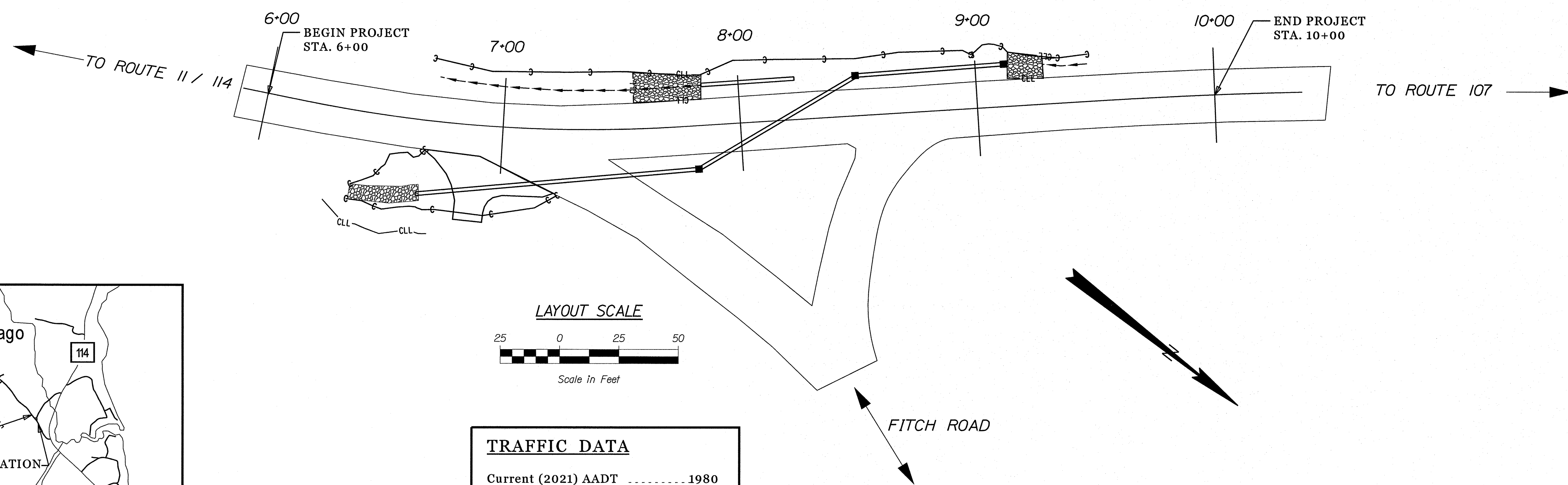
STATE OF MAINE DEPARTMENT OF TRANSPORTATION



SEBAGO CUMBERLAND COUNTY LONG HILL ROAD STATE PROJECT NO. 18849.00 PROJECT LENGTH : 0.07 MILES

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

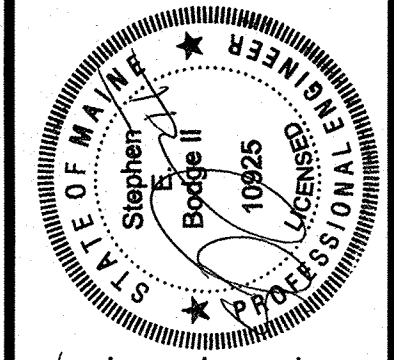
INDEX OF SHEETS	
Description	Sheet No.
Title Sheet	1
Estimated Quantities/Drainage Sheet	2
GeneralNotes	3
Plan / Profile Roadway	4
Plan / Profile Drainage	5
Cross - Sections	6-12
Right of Way Map	13



TRAFFIC DATA	
Current (2021) AADT	1980
Future (2033) AADT	2220
DHV - % of AADT	10%
Design Hour Volume	238
% Heavy Trucks (AADT)	3%
Directional Distribution (DHV)	62%
Design Speed (mph)	45
Functional Class	Minor Collector
Corridor Priority	4

PROJECT LOCATION:	Intersection of Long Hill Road and Fitch Road.
PROGRAM AREA:	Highway Program
SCOPE OF WORK:	Drainage Improvements

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
	<i>[Signature]</i>	7-12-21
	COMMISSIONER	
	CHIEF ENGINEER	1-12-21



<i>[Signature]</i>	SIGNATURE	10925	P.E. NUMBER	1-8-2021	DATE
--------------------	-----------	-------	-------------	----------	------

PROJECT INFORMATION	
PROGRAM	HIGHWAY
PROJECT MANAGER	LARRY HAMILTON
DESIGNER	LRANDY-Engineering, AK
CONSULTANT	
PROJECT RESIDENT	
CONTRACTOR	
PROJECT COMPLETION DATE	

18849.00
SEBAGO
LONG HILL ROAD
TITLE SHEET

SHEET NUMBER
1
OF 13

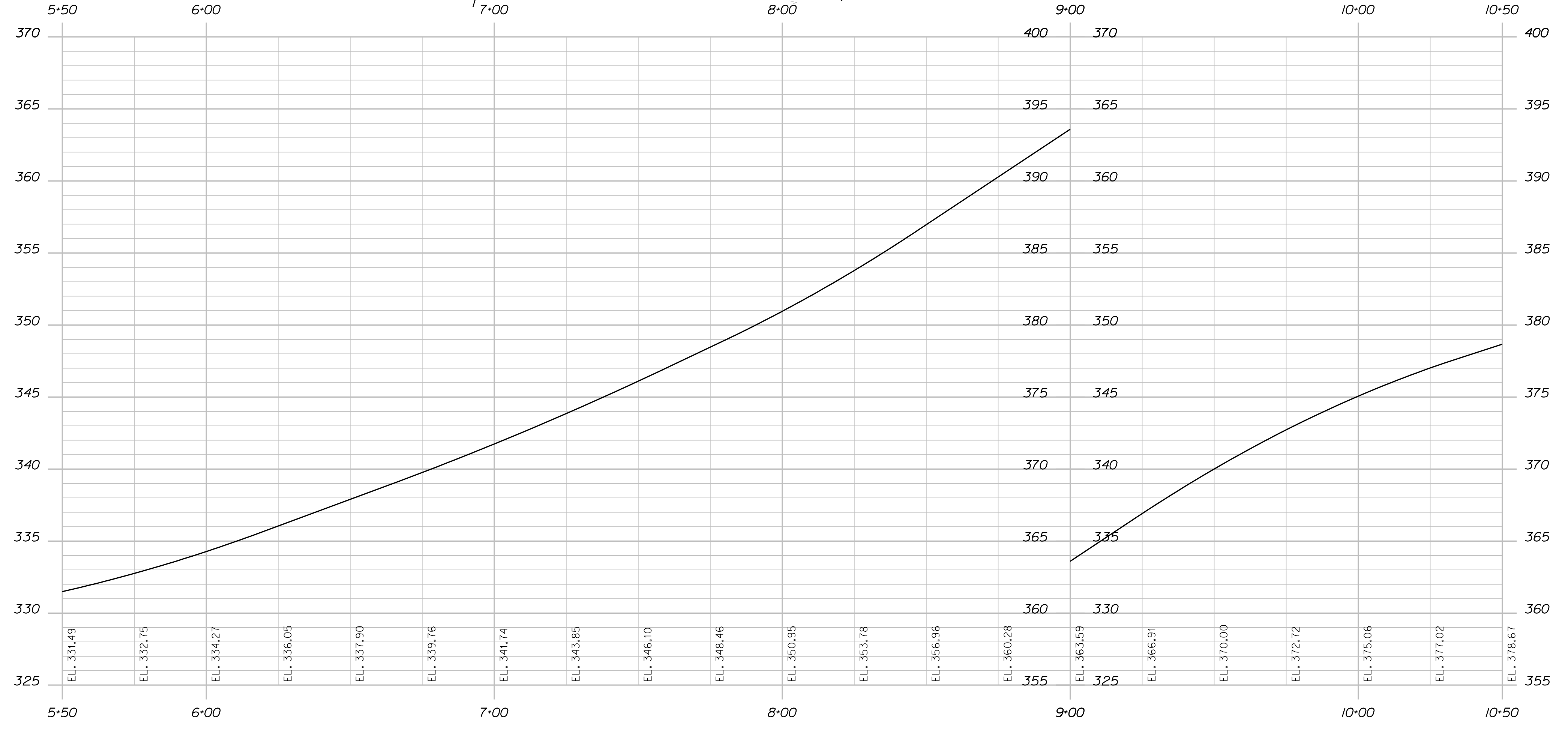
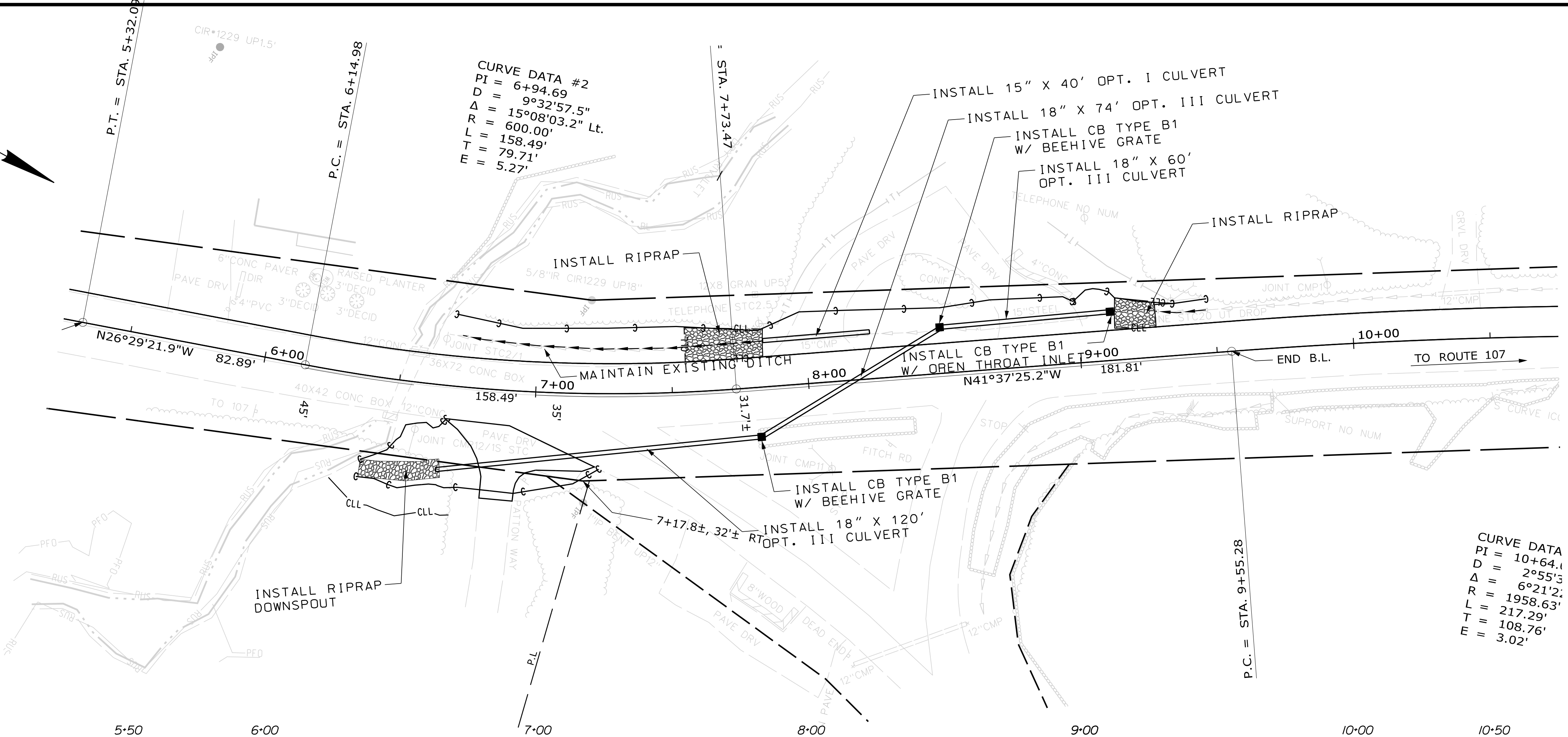
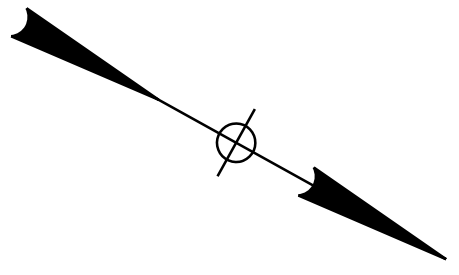
Filename: ...100\HIGHWAY\MSTA\001_Title.dgn
 Division: HIGHWAY
 Username: Ryan.Hodgman
 Date: 1/6/2021

GENERAL NOTES

1. All joints between existing and proposed hot bituminous pavement shall be butted. The butt joints should be constructed at all paved drives and entrances as directed by the Resident. Payment shall be made under Item 202.203 Pavement Butt Joint.
2. 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. Materials, placement, maintenance, and removal shall be incidental to contract items.
3. Trim all tree branches to 20 feet above the pavement and 21 feet from centerline. 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.
4. Clearing limits shall be 10' 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 clearing limit shall be approved by the Resident.
5. The clearing and selective clearing and thinning lines shown on the plans are for estimating purposes only. The actual lines for clearing and thinning shall be established in the field by the Contractor and approved by the Resident.
6. Grubbing in fill areas limits may vary based on field conditions as directed by the Resident.
7. The Contractor shall place suitable existing or other material acceptable to the Resident on all pavement edges to allow a drop off no greater than the surface pavement thickness. The material shall be graded to match existing in-slope or as directed by the Resident before surface is placed. The Contractor will be paid under appropriate equipment rental items. Borrow is not authorized until all acceptable waste material has been utilized. Seed and Mulch will be paid for at the contract unit price.
8. 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.
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 be paid for as granular borrow.
10. Granular borrow used to backfill in low wet areas to 1' above water level or old ground shall meet requirements for granular borrow material for underwater backfill specified in Standard Specification 703.19.
11. Any necessary cleaning of existing pavement prior to paving (or milling) shall be incidental to the related paving (or milling) item.
12. Granular borrow used under pipes shall meet the requirements for material for underwater backfill as specified in Standard Specification 703.19. This includes killing and removal of all vegetative matter.

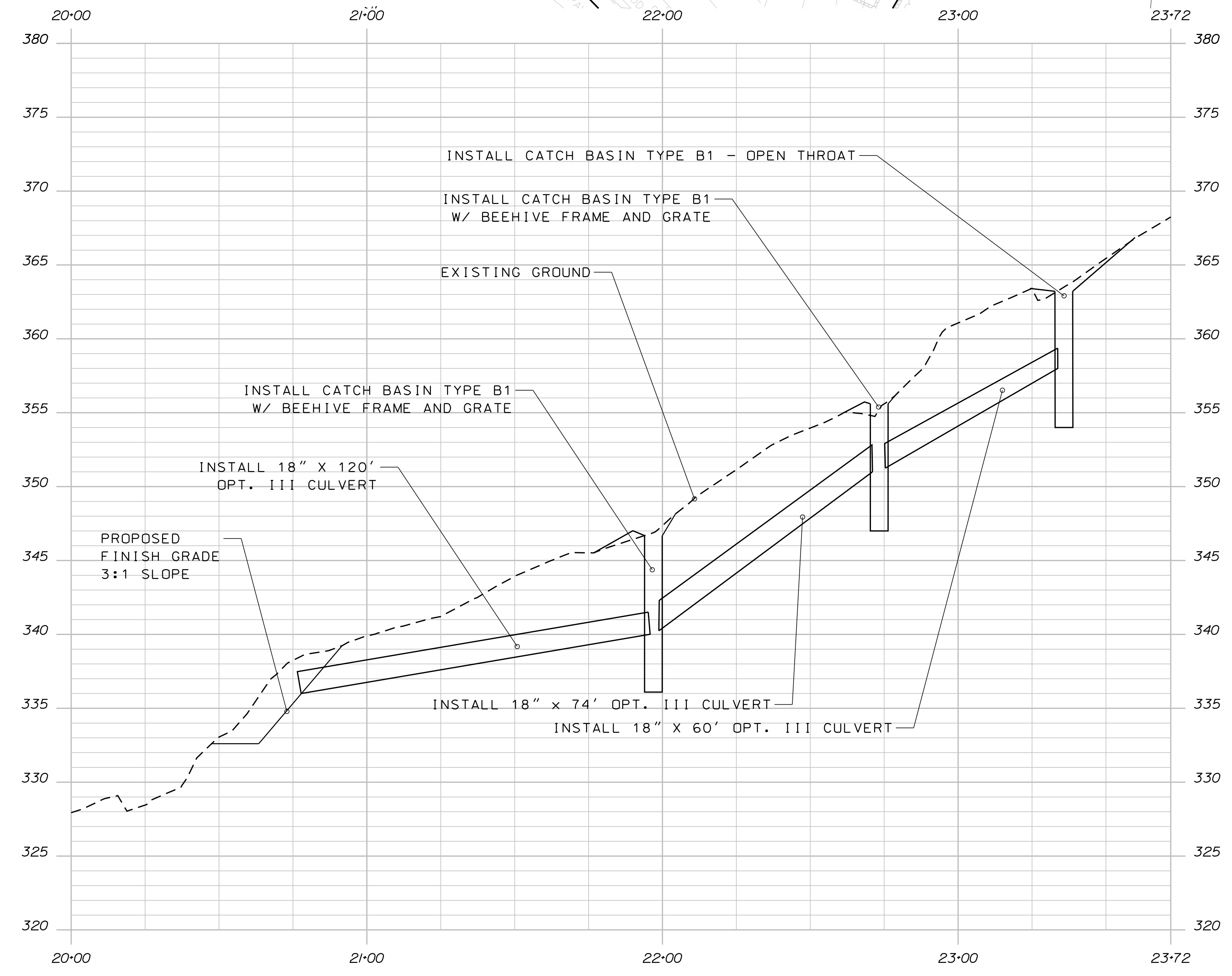
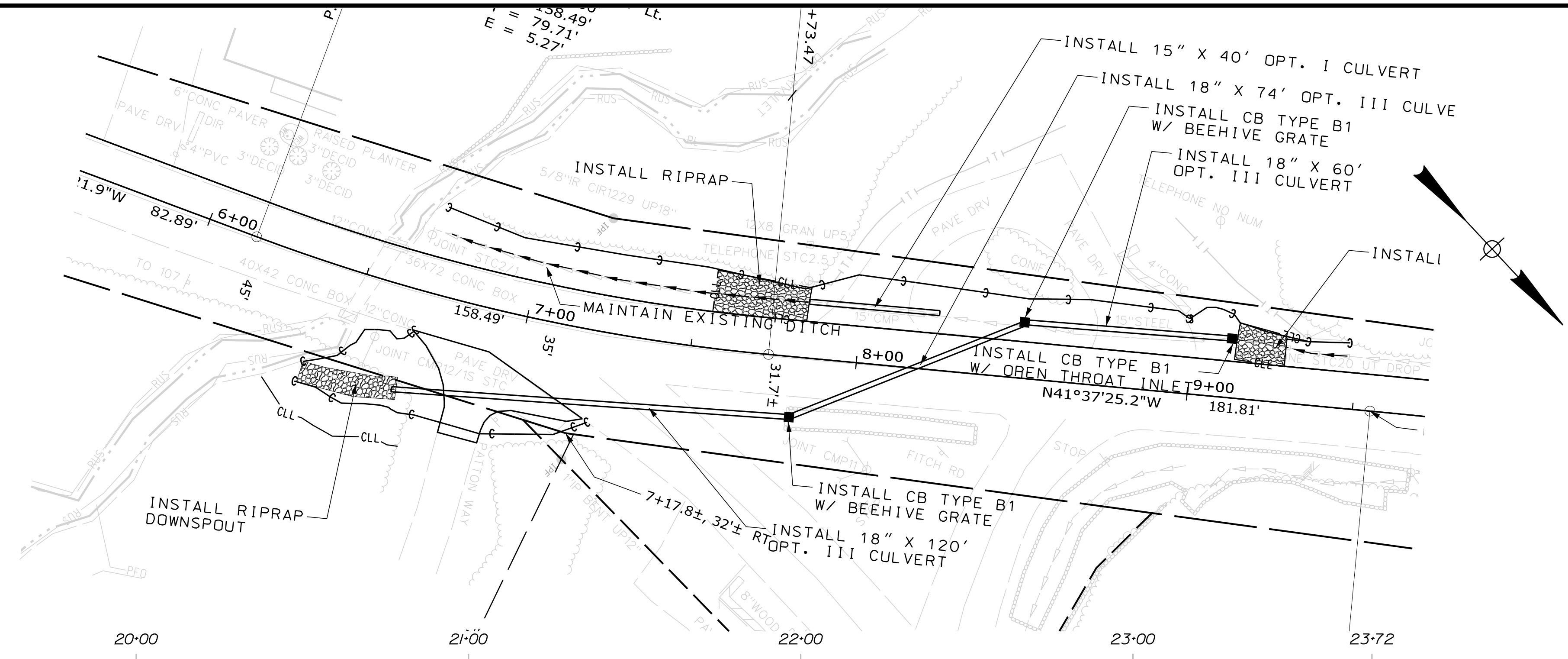
13. No existing drainage shall be abandoned, removed or plugged without prior approval of the Resident.
14. Inlets and outlets of all culverts shall be riprapped unless otherwise noted on the plans or directed by the Resident.
15. As directed by the Resident, all existing underdrain outlets shall be located. All underdrain not shown on the cross sections will have flow line of 5 feet below finish grade directly above the underdrain and underdrain sand backfill 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.
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. 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.
18. 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.
19. Plans of previously constructed projects are available on request. These projects are: A copy of the geotechnical report for this project is available at <http://www.maine.gov/mdot/contractors/>. All computation methods and quantities used for the Engineer's Estimate for plan quantity items only are available by contacting Regional Project Manager LARAY HAMILTON at 207-885-7000.
20. Areas requiring fill on the project will come from suitable excavation from excavation, ditch and inslope or equipment rental areas.
21. 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 back sloping requirements will not be paid for directly but will be considered incidental to the related drainage items.
22. Final striping for the project shall be done by the Contractor per the striping layout in the contract documents or as provided by the Department. Payment shall be made under appropriate contract items.
23. All work shall be done in accordance with the MaineDOT Best management practices for erosion control & sediment control, February 2008.
24. All utilities facilities shall be adjusted by the respective utilities unless otherwise noted.
25. No work shall be done outside the existing right of way without permission from the Resident after acquisitions have been finalized.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
018849.00		WIN 018849.00 HIGHWAY PLANS	
PROJ. MANAGER	DESIGN-REVIEWED	CHECKED-REVIEWED	DATE
BY	DESIGN-DETAILED	DESIGN-DETAILED	DATE
BY	REVISIONS 1	REVISIONS 2	DATE
BY	REVISIONS 3	REVISIONS 4	DATE
BY	FIELD CHANGES	FIELD CHANGES	DATE
SEBAGO		LONG HILL ROAD	
GENERAL NOTES		SHEET NUMBER	
3		3	
OF 13			



PROFILE

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		018849.00	
SEBAGO LONG HILL ROAD		WIN 018849.00	
HIGHWAY PLANS		SHEET NUMBER	
PLANS		4	
OF 13		DATE	



PROFILE

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
018849.00		WIN 018849.00	
HIGHWAY PLANS			
SEBAGO LONG HILL ROAD	PLANS	SHEET NUMBER	5
		OF 13	

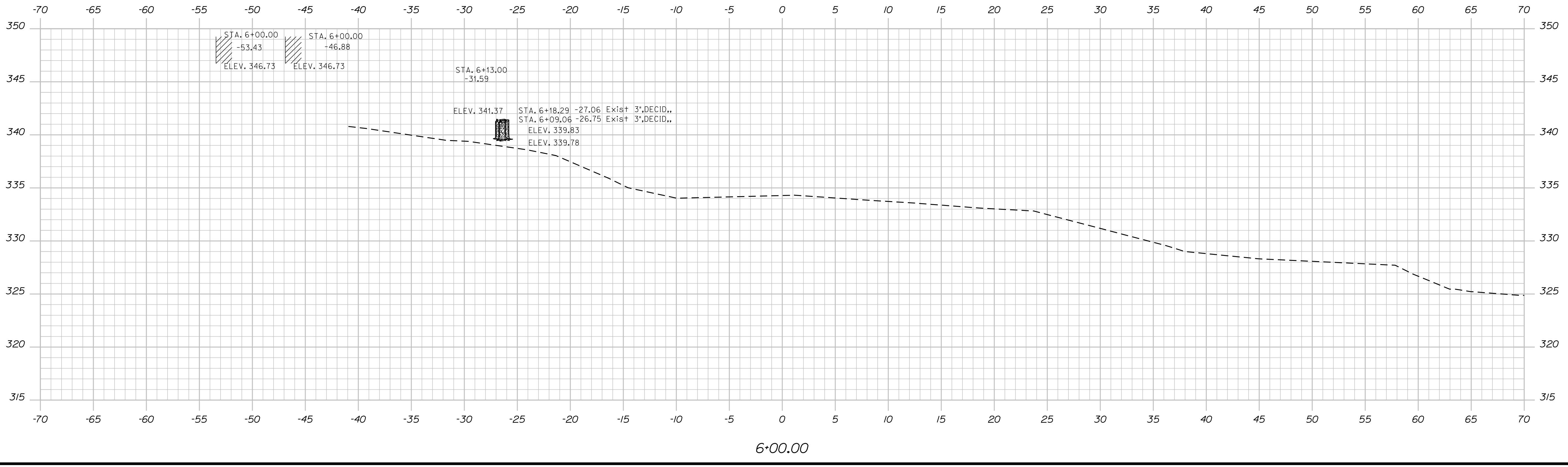
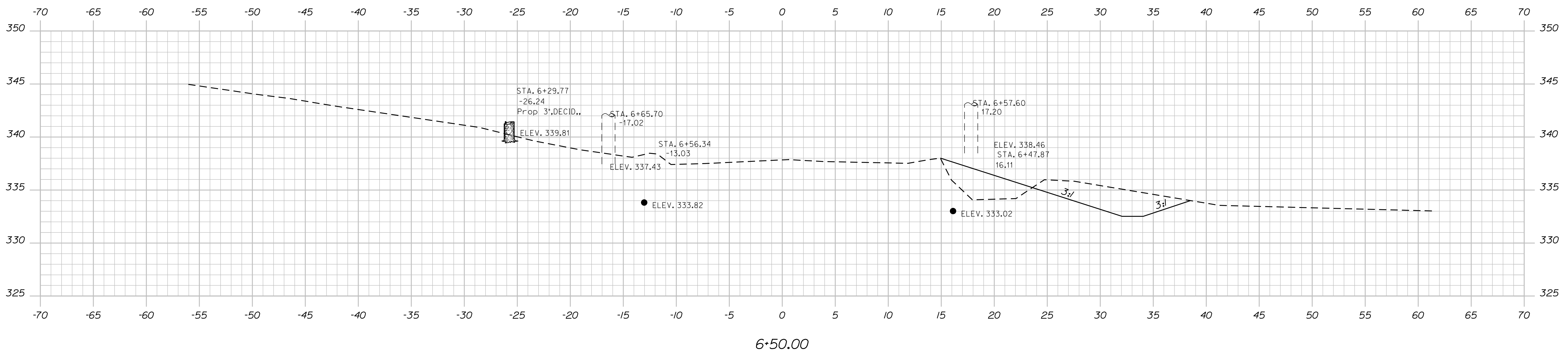
PROJ. MANAGER	LARRY HAMILTON	BY	DATE
DESIGN-DETAILED	WILLIAM RANDY		
CHECKED-REVIEWED			
DESIGN-DETAILED	E. ADK		
DESIGN-DETAILED			
REVISIONS	1		
REVISIONS	2		
REVISIONS	3		
REVISIONS	4		
FIELD CHANGES			

Date: 1/6/2021

Username: Ryan.Hodgman

Division: HIGHWAY

Filename: ... \MSTAN006_XSECT_6+00_001.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
018849.00
WIN
018849.00
HIGHWAY PLANS

SIGNATURE
P.E. NUMBER
DATE

PROJ. MANAGER	LARRY HAMILTON	BY	DATE
CHECKED-REVIEWED	WILLIAM RANDY		
DESIGN-REVIEWED	E. ADK		
DESIGN-DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SEBAGO
LONG HILL ROAD
CROSS SECTIONS

SHEET NUMBER
6
OF 13

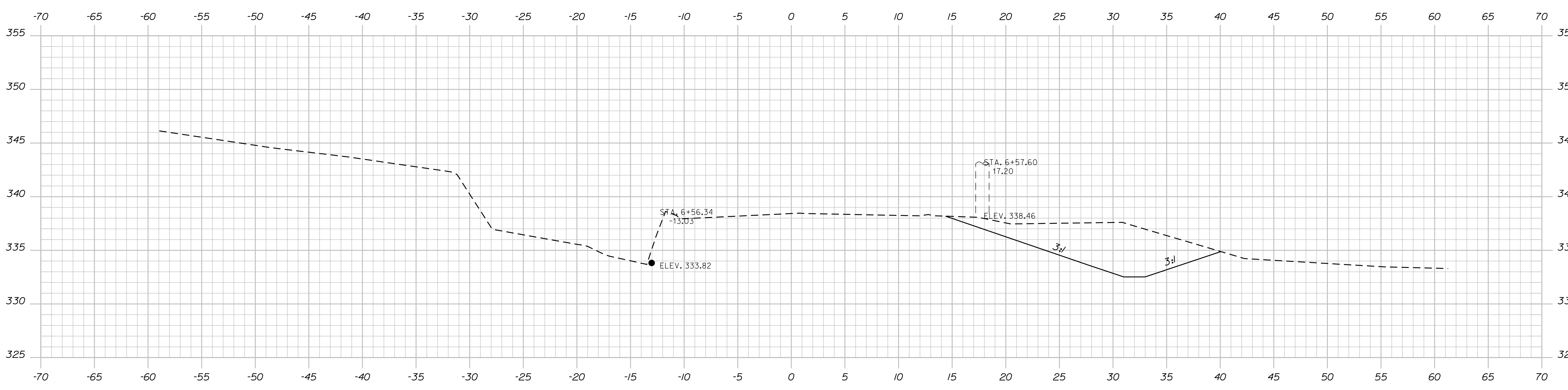
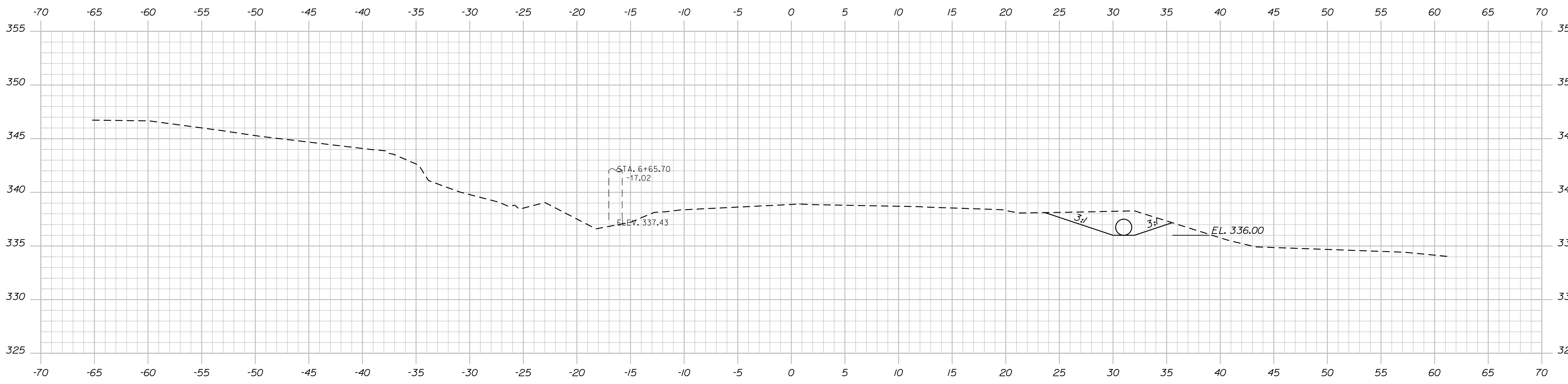
Sta. 6+00.00 to Sta. 6+50.00

Date: 1/6/2021

Username: Ryan.Hodgman

Division: HIGHWAY

Filename: ... \MSTAN007_XSECT_6+58_002.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
018849.00
WIN
018849.00
HIGHWAY PLANS

SIGNATURE
P.E. NUMBER
DATE

PROJ. MANAGER	LARRY HAMILTON	BY	DATE
CHECKED-REVIEWED	WILLIAM RANDY		
DESIGN DETAILED	E. ADK		
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SEBAGO
LONG HILL ROAD
CROSS SECTIONS

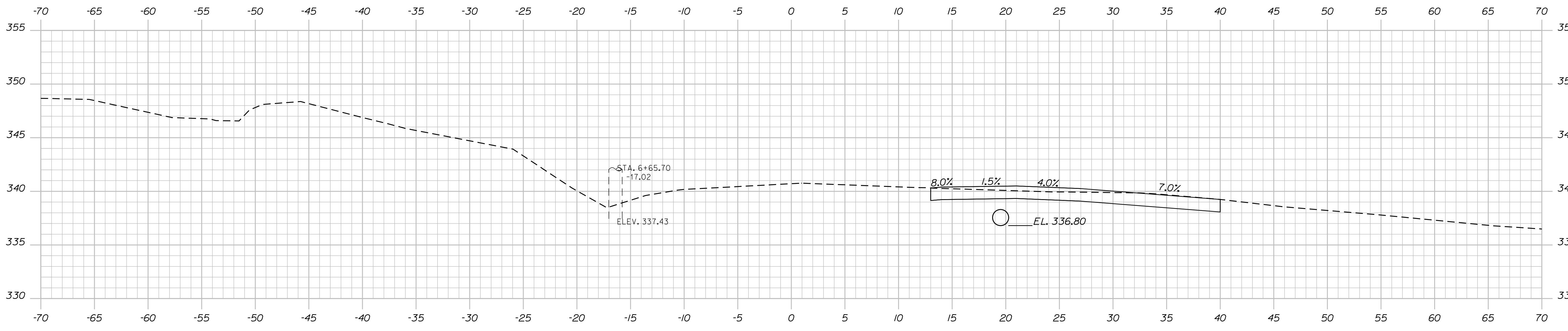
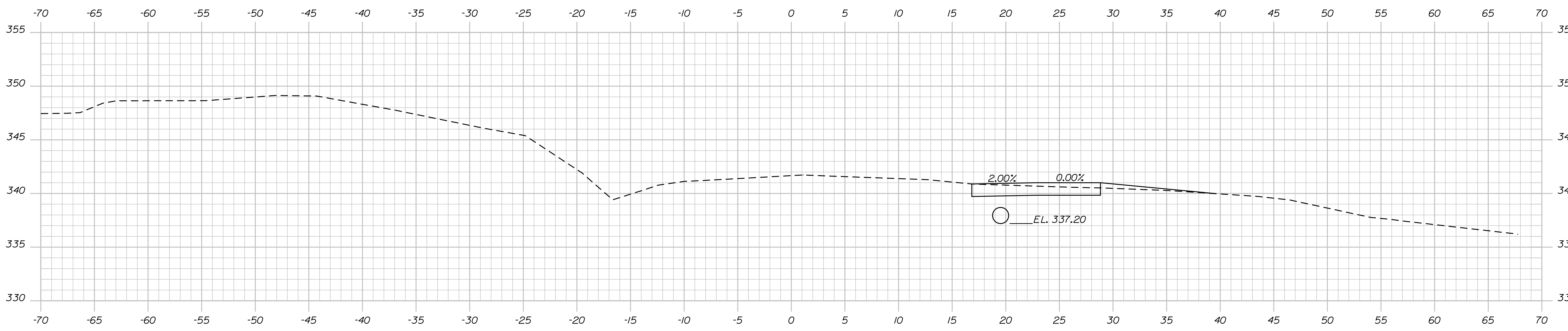
SHEET NUMBER
7
OF 13

Date: 1/6/2021

Username: Ryan.Hodgman

Division: HIGHWAY

Filename: ... \MSTA\008_XSECT_6+88_003.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
018849.00
WIN
018849.00
HIGHWAY PLANS

SIGNATURE
P.E. NUMBER
DATE

PROJ. MANAGER	LARRY HAMILTON	BY	DATE
DESIGN/DETAILED	WILLIAM RANDY		
CHECKED/REVIEWED			
DESIGN/DETAILED	E. ADK		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SEBAGO
LONG HILL ROAD
CROSS SECTIONS

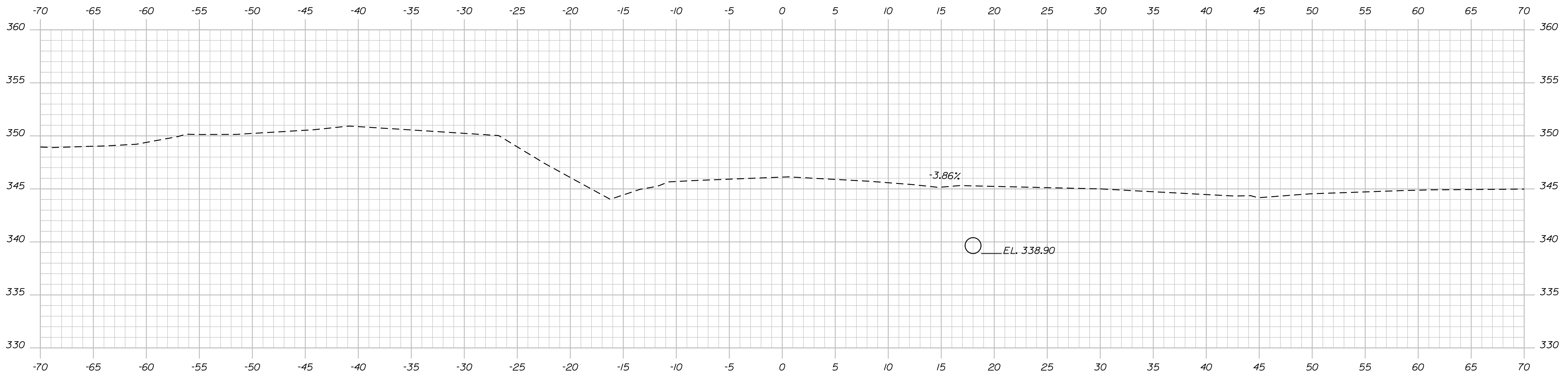
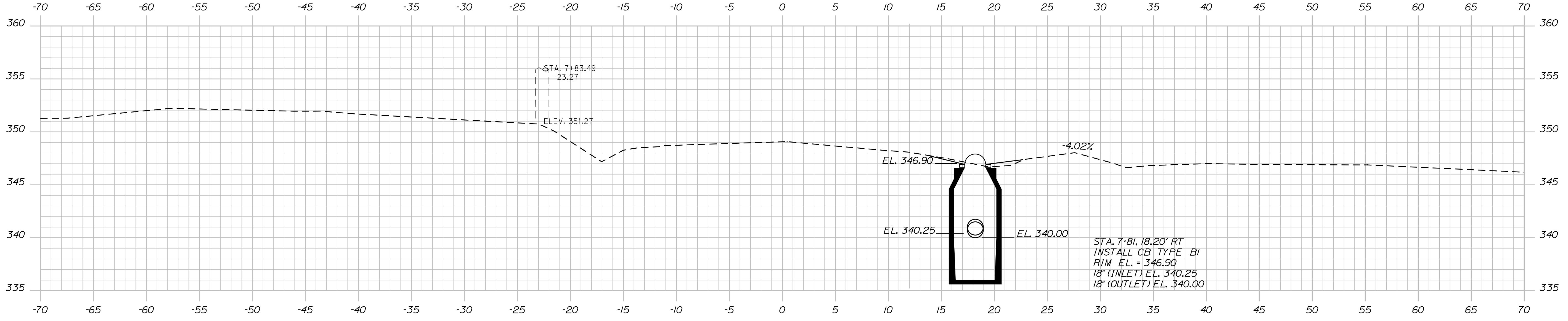
SHEET NUMBER
8
OF 13

Date: 1/6/2021

Username: Ryan.Hodgman

Division: HIGHWAY

Filename: ... \MSTAN009_XSECT_7+50_004.dgn



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 018849.00
 WIN
 018849.00
 HIGHWAY PLANS

SIGNATURE
 P.E. NUMBER
 DATE

PROJ. MANAGER	LARRY HAMILTON	BY	DATE
DESIGN DETAILED	WILLIAM RANDY		
CHECKED/REVIEWED			
DESIGN DETAILED	E. ADK		
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SEBAGO
 LONG HILL ROAD
 CROSS SECTIONS

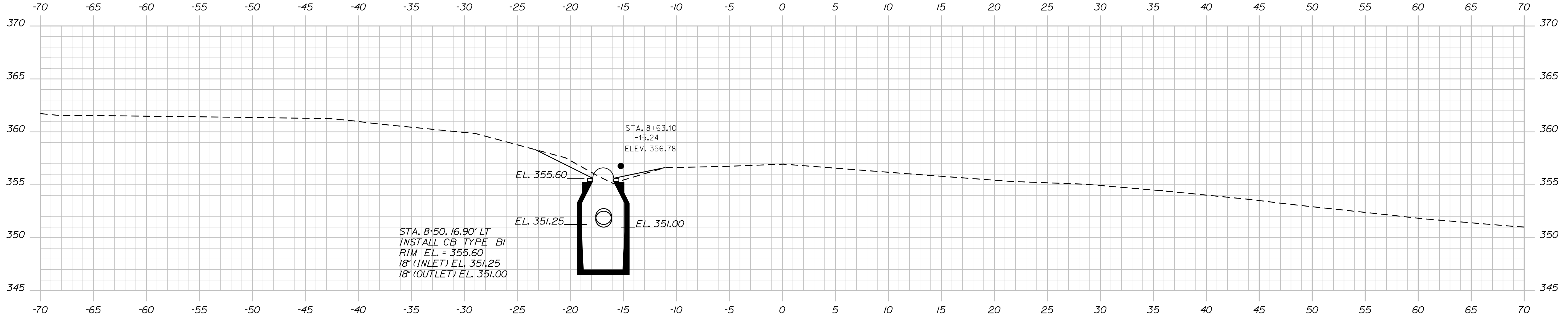
SHEET NUMBER
 9
 OF 13

Date: 1/6/2021

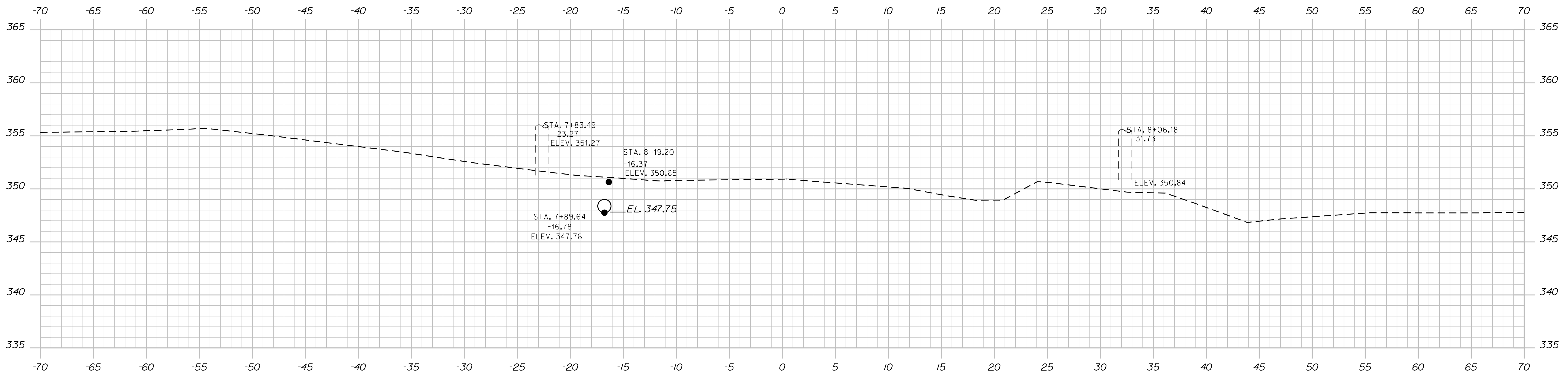
Username: Ryan.Hodgman

Division: HIGHWAY

Filename: ... \MSTAO10_XSECT_8+00_005.dgn



8+50.00



8+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
018849.00
WIN
018849.00
HIGHWAY PLANS

SIGNATURE
P.E. NUMBER
DATE

PROJ. MANAGER	LARRY HAMILTON	BY	DATE
DESIGN/DETAILED	WILLIAM RANDY		
CHECKED/REVIEWED			
DESIGN/DETAILED	E. ADK		
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SEBAGO
LONG HILL ROAD
CROSS SECTIONS

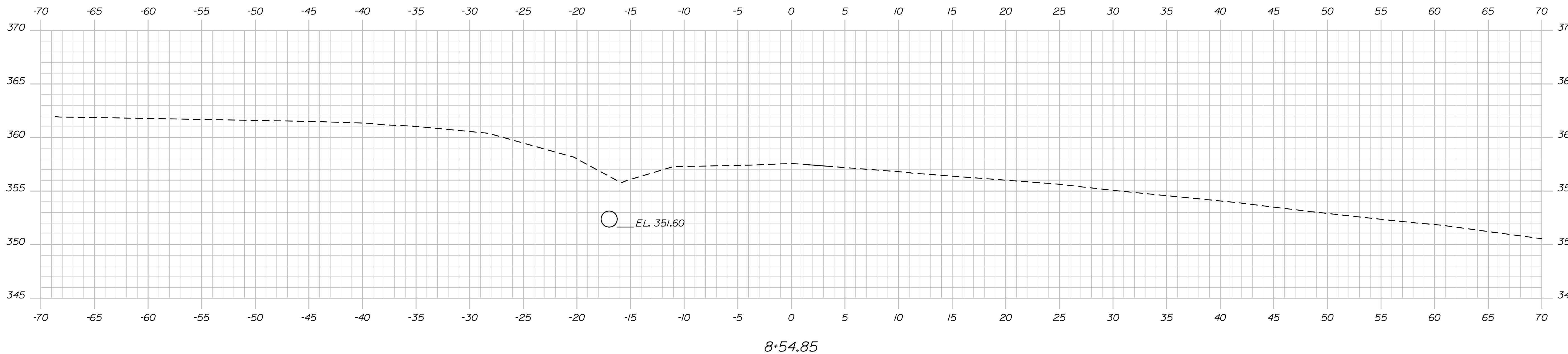
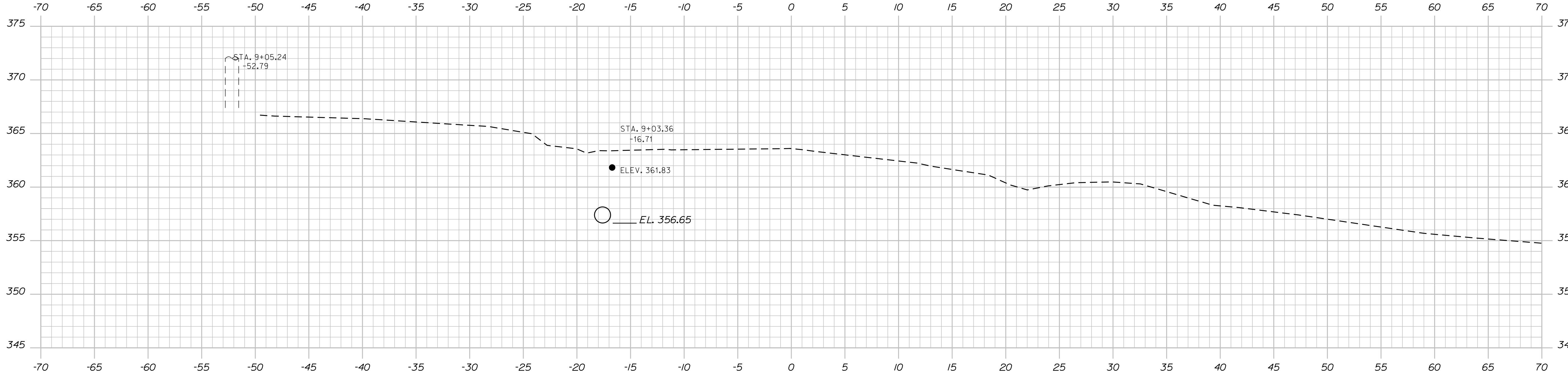
SHEET NUMBER
10
OF 13

Date: 1/6/2021

Username: Ryan.Hodgman

Division: HIGHWAY

Filename: ... \MSTAN011_XSECT_8+54_006.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
018849.00
WIN
018849.00
HIGHWAY PLANS

SIGNATURE	P.E. NUMBER	DATE

PROJ. MANAGER	LARRY HAMILTON	BY	DATE

CHECKED-REVIEWED	DESIGN-REVIEWED	DESIGN-REVIEWED	DESIGN-REVIEWED

REVISIONS 1	REVISIONS 2	REVISIONS 3	REVISIONS 4

FIELD CHANGES

SEBAGO
LONG HILL ROAD
CROSS SECTIONS

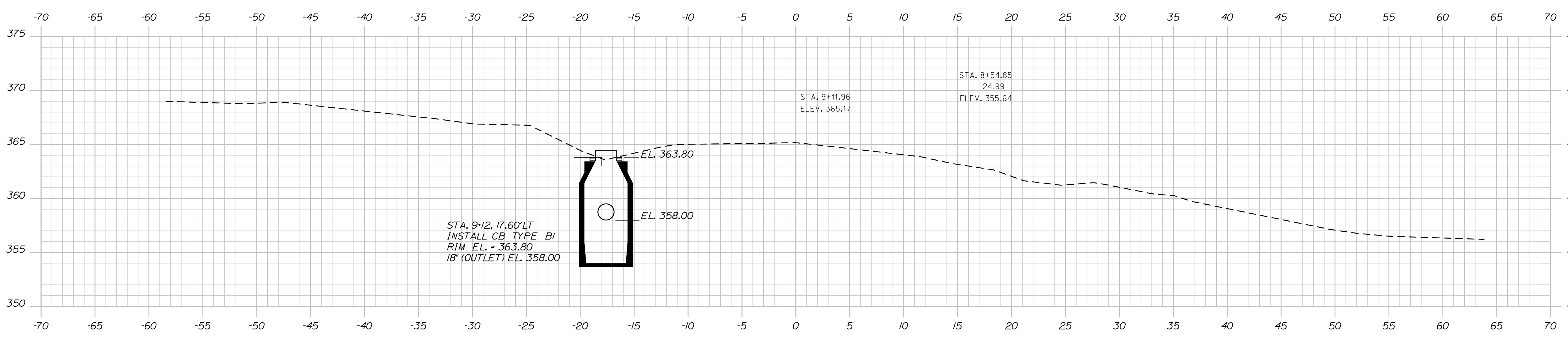
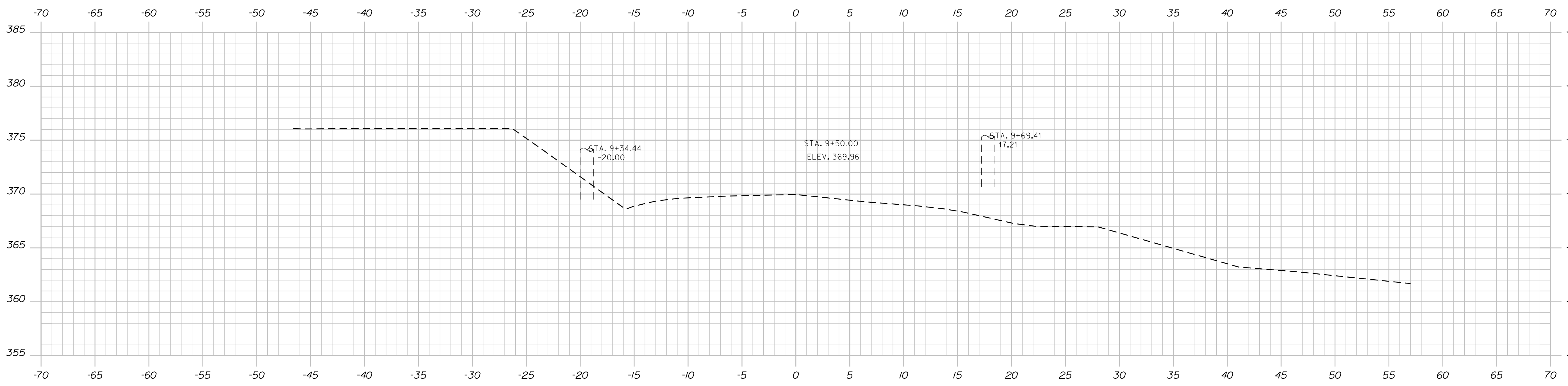
SHEET NUMBER
11
OF 13

Date: 1/6/2021

Username: Ryan.Hodgman

Division: HIGHWAY

Filename: ... \MSTAO12_XSECT_9+11_007.dgn



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
018849.00
WIN
018849.00
HIGHWAY PLANS

PROJ. MANAGER	LARRY HAMILTON	DATE
CHECKED <td>REVIEWED <td>SIGNATURE </td></td>	REVIEWED <td>SIGNATURE </td>	SIGNATURE
DESIGN <td>DATE <td>P.E. NUMBER </td></td>	DATE <td>P.E. NUMBER </td>	P.E. NUMBER
REVISIONS 1	REVISIONS 2	DATE
REVISIONS 3	REVISIONS 4	
FIELD CHANGES		

SEBAGO
LONG HILL ROAD
CROSS SECTIONS

SHEET NUMBER
12
OF 13

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 _____

New R/W Along Existing R/W _____
 Building _____
 Trees Conifer _____
 Deciduous _____
 Clearing Limit Line _____ CL-L
 Bush Line _____
 Water Edge _____
 Ledge _____
 Fence CHAIN LINK _____
 BARB WIRE _____
 STOCKADE _____
 Sign _____
 Rock/Boulder _____
 Flag Pole _____
 Well _____
 Mailbox _____

PLAN LEGEND

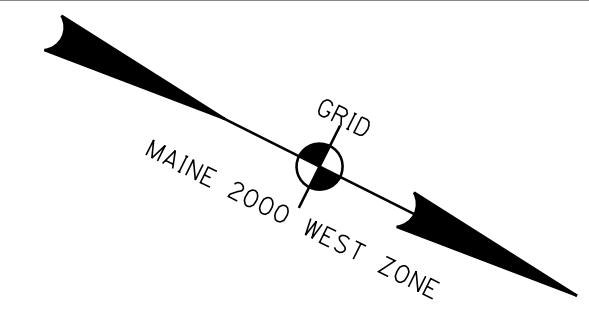
	Existing	Proposed
Sanitary Sewer	---	---
Telephone Line	---	---
Electric Line	---	---
Water Line	---	---
Underdrain Line	---	---
Gas Line	---	---
Guardrail	---	---
Culvert	---	---
Traveled Way	---	---
Ditch	---	---
Catch Basin	---	---
Manhole	---	---
Sewer Manhole	---	---
Utility Pole	---	---
Fire Hydrant	---	---
Curbing	---	---

Cut Line C-C
 Stonewall ---
 Baseline 10+00 11+00 12+00
 Monument ---
 Iron Rod Found IRF
 Replacement Pin Set ---
 Fill Line F-F
 Retaining Wall ---
 Traverse Point ---
 Pipe Found IPF

STATE OF MAINE
 REGISTRY OF DEEDS
 COUNTY _____
 RECEIVED _____
 at _____ h _____ m _____ M and recorded in
 Plan Book _____, Page _____
 Attest: _____ REGISTER

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.

25 0 25 50 75 100
 Scale of Feet

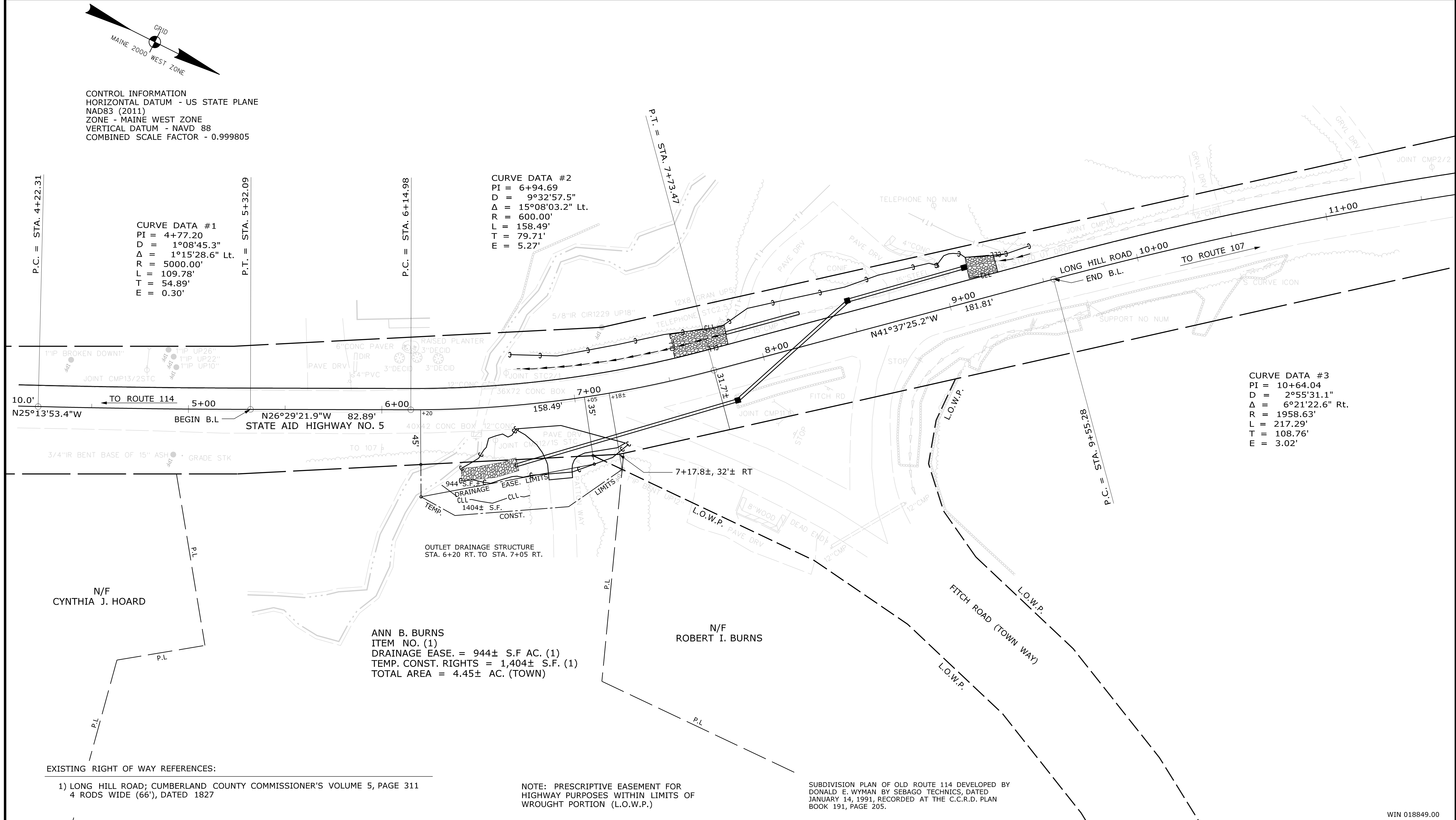


CONTROL INFORMATION
 HORIZONTAL DATUM - US STATE PLANE
 NAD83 (2011)
 ZONE - MAINE WEST ZONE
 VERTICAL DATUM - NAVD 88
 COMBINED SCALE FACTOR - 0.999805

CURVE DATA #1
 PI = 4+77.20
 D = 1°08'45.3"
 Δ = 1°15'28.6" Lt.
 R = 5000.00'
 L = 109.78'
 T = 54.89'
 E = 0.30'

CURVE DATA #2
 PI = 6+94.69
 D = 9°32'57.5"
 Δ = 15°08'03.2" Lt.
 R = 600.00'
 L = 158.49'
 T = 79.71'
 E = 5.27'

CURVE DATA #3
 PI = 10+64.04
 D = 2°55'31.1"
 Δ = 6°21'22.6" Rt.
 R = 1958.63'
 L = 217.29'
 T = 108.76'
 E = 3.02'



EXISTING RIGHT OF WAY REFERENCES:
 1) LONG HILL ROAD; CUMBERLAND COUNTY COMMISSIONER'S VOLUME 5, PAGE 311
 4 RODS WIDE (66'), DATED 1827

NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION (L.O.W.P.)

SUBDIVISION PLAN OF OLD ROUTE 114 DEVELOPED BY DONALD E. WYMAN BY SEBAGO TECHNICS, DATED JANUARY 14, 1991, RECORDED AT THE C.C.R.D. PLAN BOOK 191, PAGE 205.

WIN 018849.00

ITEM	TECH	CHECKED	EXISTING CONDITION PLAN			FINAL RIGHT OF WAY AREAS		
			R.M.C.	C.W.K.		R.M.C.	C.W.K.	N.T.A.

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460
 SEBAGO
 RIGHT OF WAY MAP

NO.	DATE	REVISIONS DESCRIPTION	BY	PLAN FILED IN PLAN BOOK				PAGE COUNTY RECORD									
				NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	INSTRUMENT	DATE	BOOK	PAGE				

DAVID BERNHARDT
 COMMISSIONER
 JOYCE NOEL TAYLOR
 CHIEF ENGINEER
 DATE _____

To the best of my knowledge and belief the Highway Right of Way lines depicted hereon are based upon a survey conforming to the Standards of Practice promulgated by the Maine Board of Licensure for Professional Land Surveyors 02-360 CMR, Chapter 90; Exceptions: (1) No separate survey report; (2) Monumentation only as shown on plan. See sheet X of this plan set for coordinates; (3) Other boundary lines, including lines between abutters are approximate and for general reference purposes only.

STATE AID HIGHWAY NO. 5
 LONG HILL ROAD
 SEBAGO CUMBERLAND COUNTY
 STATE PROJECT NO. 18849.00
 AUGUST 2018
 SCALE 1" = 25'
 RIGHT-OF-WAY MAP
 SHEET 1 OF 1
 D.O.T. FILE NO. 3-633

SHEET NUMBER
13
 OF 13

Date: 1/6/2021

Username: Ryan.Hodgman

Filename: ... \00\HIGHWAY\STA013_RWP\PLAN.dgn Division: HIGHWAY