

STATE OF MAINE DEPARTMENT OF TRANSPORTATION



ATHENS SOMERSET COUNTY WESSERUNSETT BRIDGE OVER WESSERUNSETT STREAM ROUTE 43 FEDERAL AID PROJECT NO. 2282500 PROJECT LENGTH 0.018 mi. BRIDGE NO. 2925

LIST OF DRAWINGS

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UTILITIES

Central Maine Power
Somerset Telephone Company
Town of Athens

MAINTENANCE OF TRAFFIC

Maintain one 12' wide minimum lane of alternating one-way traffic using flaggers, during temporary daytime working hour closures. Roadway shall be opened to two lanes of traffic overnight and during non-work times.

TRAFFIC DATA

Current (2018) AADT	3460
Future (2038) AADT	4150
DHV - % of AADT	10
Design Hour Volume	415
Heavy Trucks (% of AADT)	11
Heavy Trucks (% of DHV)	11
Directional Distribution (% of DHV)	59
18 kip Equivalent P 2.0	555
18 kip Equivalent P 2.5	529
Design Speed (mph)	25

MATERIALS

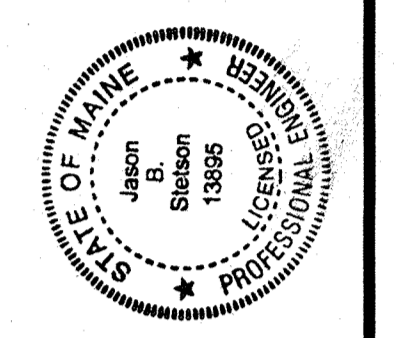
Concrete Shotcrete

BASIC DESIGN STRESSES

Concrete:
Shotcrete f 'c = 5,000 psi

PROJECT LOCATION	Wesserunsett Bridge (#2925) over Wesserunsett Stream. Located 0.02 of a mile northeast of South Main Street. Lat./Long. 44°55'24.3" N -69°40'26.7" W
PROGRAM AREA	Highway-Bridges
OUTLINE OF WORK	Install guardrail and bituminous curb. Rehabilitation of gabion wall.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	
APPROVED	DATE
COMMISSIONER: <i>[Signature]</i>	12-2-19
CHIEF ENGINEER: <i>[Signature]</i>	12-2-19



SIGNATURE	P.E. NUMBER	DATE
<i>[Signature]</i>	13845	11/14/19

PROJECT INFORMATION
PROGRAM: BRIDGE
PROJECT MANAGER: JASON STETSON
DESIGNER: BEN BARTLETT
CONSULTANT:
PROJECT RESIDENT:
CONTRACTOR:
PROJECT COMPLETION DATE:

ATHENS
WESSERUNSETT BRIDGE
TITLE SHEET

SHEET NUMBER
1
OF 14

2282500 WIN 022825.00

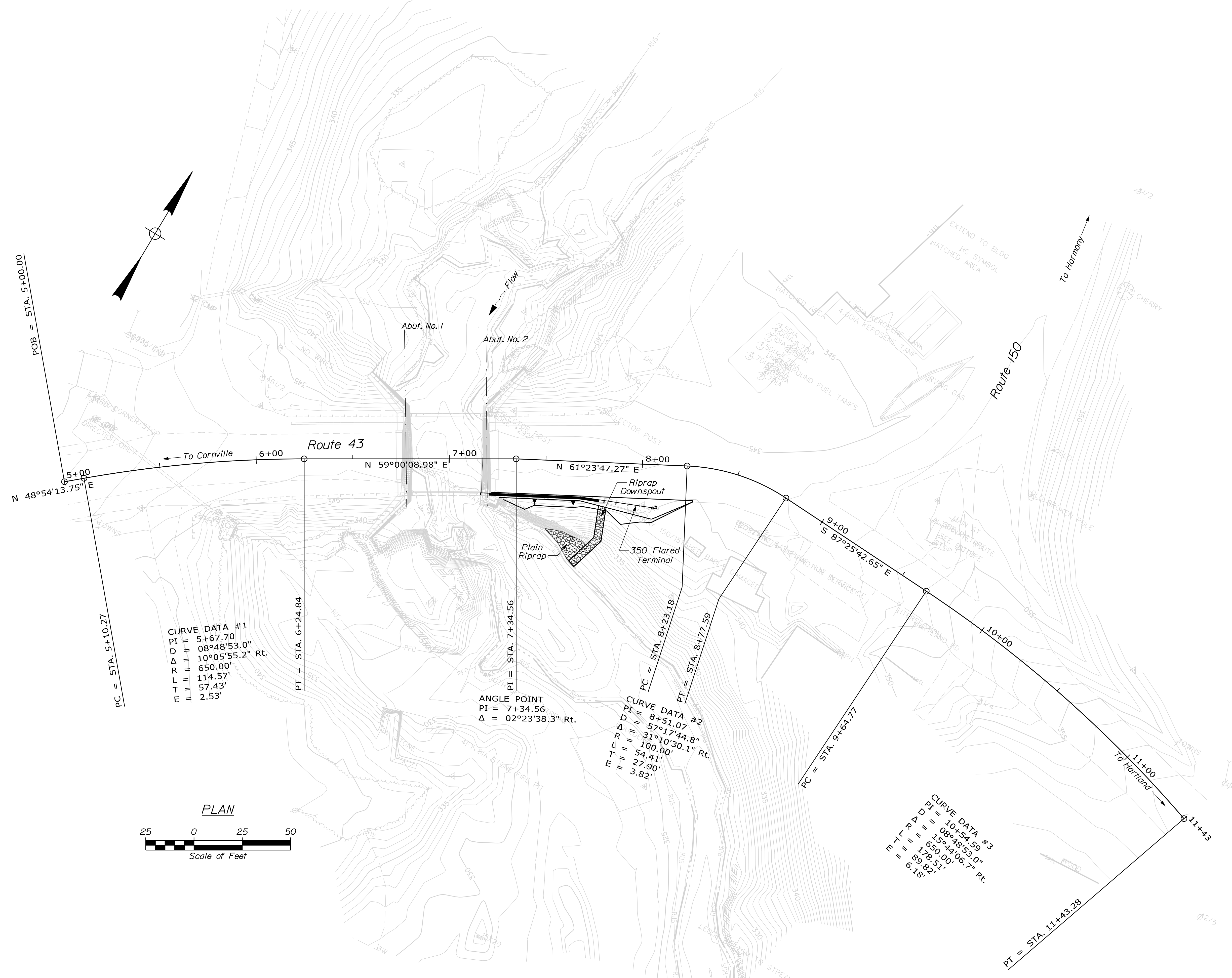
ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.20	COMMON EXCAVATION	25	CY
203.24	COMMON BORROW	10	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	20	CY
403.208	HOT MIX ASPHALT 12.5 MM HMA SURFACE	9	T
409.15	BITUMINOUS TACK COAT - APPLIED	2	G
511.07	COFFERDAM; DOWNSTREAM	1	LS
517.61	SHOTCRETE	1	LS
526.301	TEMPORARY CONCRETE BARRIER TYPE 1 (40 LF)	1	LS
527.34	WORK ZONE CRASH CUSHIONS	1	UN
606.1722	BRIDGE TRANSITION - TYPE 2	1	EA
606.23	GUARDRAIL TYPE 3C - SINGLE RAIL	37.5	LF
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	2	EA
606.79	GUARDRAIL 350 FLARED TERMINAL	1	EA
609.31	CURB TYPE 3	58	LF
610.08	PLAIN RIPRAP	28	CY
613.319	EROSION CONTROL BLANKET	27	SY
615.07	LOAM	12	CY
618.14	SEEDING METHOD NUMBER 2	2	UN
619.12	MULCH	2	UN
619.14	EROSION CONTROL MIX	24	CY
620.58	EROSION CONTROL GEOTEXTILE	69	SY
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	105	LF
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	HR
652.33	DRUM	25	EA
652.34	CONE	25	EA
652.35	CONSTRUCTION SIGNS	450	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES (60 CD)	1	LS
652.38	FLAGGER	300	HR
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

GENERAL CONSTRUCTION NOTES

- For easements, construction limits and right of way lines, refer to Right of Way Map.
- All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
- Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.
- In areas where the Resident directs the Contractor not to excavate to the subgrade line shown on the plans, payment for removing existing pavement, grubbing, shaping, ditching, and compacting the existing subbase and layers of new subbase 6 inches or less thick will be made under appropriate equipment rental items.
- Place loam 2 inches deep on all new or reconstructed sideslopes or as directed by the Resident.
- Erosion Control Mix may be substituted in those areas normally receiving loam and seed as directed by the Resident. Placement shall be in accordance with Standard Specifications Section 619, Mulch. Payment will be made under Item No. 619.14, Erosion Control Mix.
- Place a 24-in. wide strip of Temporary Erosion Control Blanket on the sideslopes along the edge of pavement.
- An NCHRP350 compliant guardrail end treatment shall be installed concurrently with the placement of each section of beam guardrail.
- Extended-use Erosion Control Blanket, seeded gutters, riprap downspouts, and other gutters lined with Stone Ditch Protection shall be constructed after paving and shoulder work is completed, where it is apparent that runoff will cause continual erosion. Payment will be made under the appropriate Contract items.
- Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>.
- The existing bridge plans may be accessed at the MaineDOT web address. The plans are reproductions of the original drawings as prepared for the construction of the bridge. It is very unlikely that the plans will show any construction field changes or any alterations which may have been made to the bridge during its life span.
- The project geotechnical report titled: Preliminary Design Report, Explorations and Geotechnical Engineering Services, Wesserunseff Bridge #2925 Wingwall, Athens, Maine, Soils Report 2018-50C, November 29, 2018, may be accessed at the MaineDOT web address.
- Geotechnical information furnished or referred to in this plan set is for the use of the Bidders and the Contractor. No assurance is given that the information or interpretations will be representative of actual subsurface conditions at the construction site. MaineDOT will not be responsible for the Bidders' or Contractor's interpretations of, or conclusions drawn from, the geotechnical information. The boring logs contained in the plan set present factual and interpretive subsurface information collected at discrete locations. Data provided may not be representative of the subsurface conditions between the boring locations.
- Quantities included for pay items measured and paid for by Lump Sum are estimated quantities and are provided by MaineDOT for informational purposes only. Lump Sum pay items will be paid for at the Contract Bid amount, with no addition or reduction in payment to the Contractor if the actual final quantities are different from the MaineDOT provided estimated quantities, except as follows:
 - If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.
 - If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
 - If a design change results in changes to estimated quantities for Lump Sum pay items, price adjustments will be made in accordance with Standard Specifications Section 109.7, Equitable Adjustments to Compensation.
- Payment for equipment, labor and materials required to access the work, as well as to re-establish original ground, will be considered incidental to related Contract Items.
- Although no known contamination exists on the project, the Maine Department of Environmental Protection (MDEP) has identified potential sources adjacent to the project related to past activities and spills. In particular, the location of an Irving retail gasoline station located northeast of the bridge. There is also a potential former retail gasoline station located southeast of the bridge. The scope of the project suggests that any potential contamination will not be adjacent to any work proposed by the Maine Department of Transportation (MaineDOT). However, the Contractor shall remain alert for evidence of contamination and shall employ appropriate health and safety measures to protect its workers against hazards associated with working near petroleum impacted soils. If the Contractor encounters evidence of soil or groundwater contamination, the Contractor shall secure the excavation, stop work in the contaminated area, and immediately notify the Resident. The Resident shall contact the Senior Geologist in MaineDOT's Environmental Office (MaineDOT-ENV) at 207-624-3100 and the MDEP at 800-482-0777. Work may only continue with authorization from the Resident.

17. Guardrail posts as shown in the Standard Details shall be modified from the indicated length of 6 feet to a length of 7 feet with an embedment depth of 4.5 feet. Payment will be considered incidental to the guardrail pay items.

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
WESSERUNSETT BRIDGE		22825.00	
WESSERUNSETT STREAM		WIN	
ATHENS		22825.00	
SOMERSET COUNTY		BRIDGE NO. 2925	
ESTIMATED QUANTITIES AND		BRIDGE PLANS	
GENERAL CONSTRUCTION NOTES			
SHEET NUMBER			
2			
OF 14			

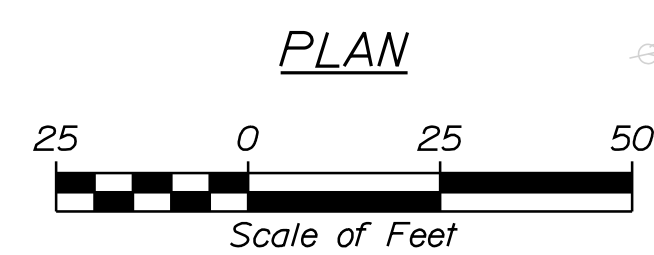


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 Δ = 10°05'55.2" Rt.
 R = 650.00'
 L = 114.57'
 T = 57.43'
 E = 2.53'

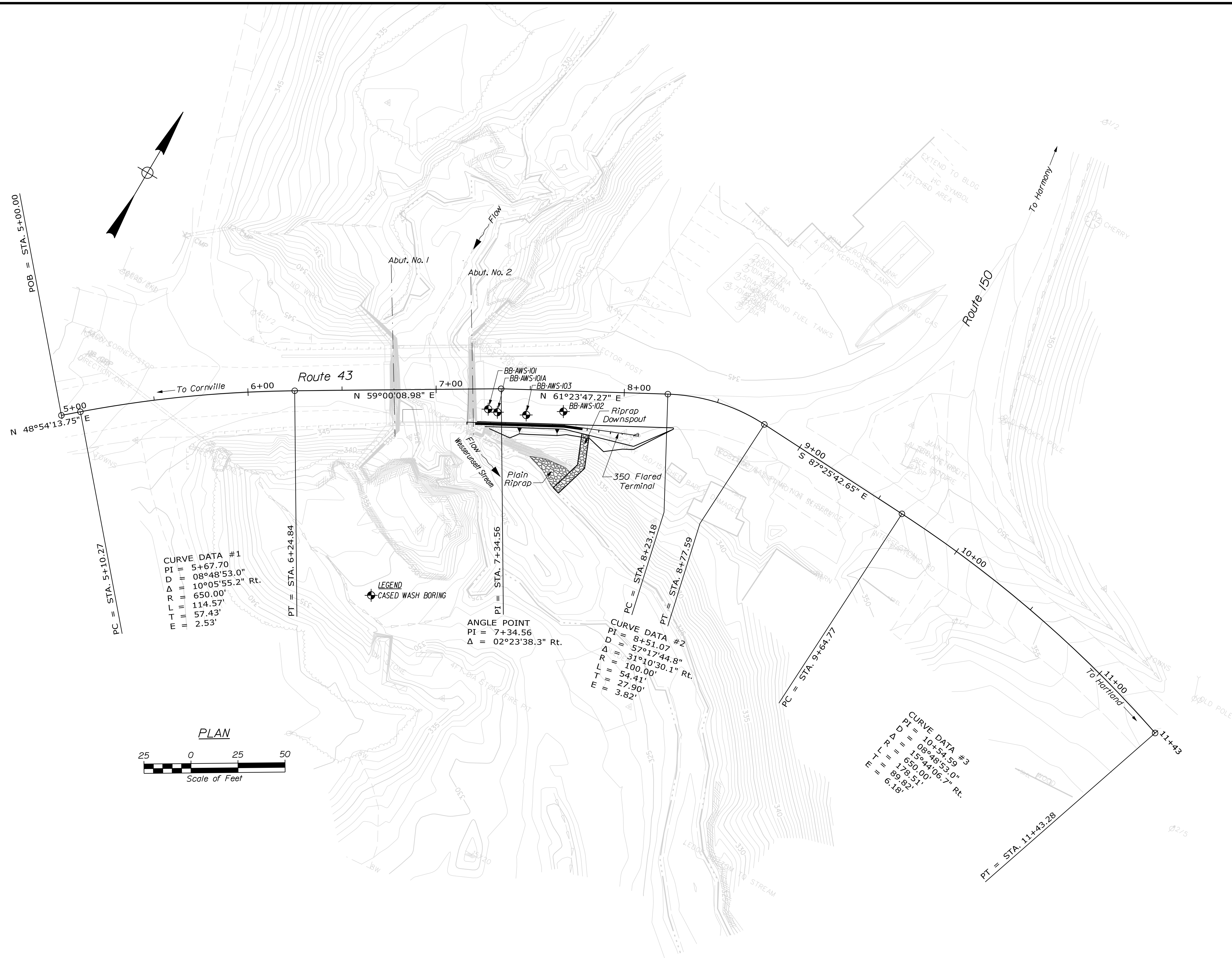
ANGLE POINT
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 Δ = 02°23'38.3" Rt.

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 Δ = 31°10'30.1" Rt.
 R = 100.00'
 L = 54.41'
 T = 27.90'
 E = 3.82'

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 D = 08°48'53.0"
 Δ = 15°44'06.7" Rt.
 R = 650.00'
 L = 178.51'
 T = 89.82'
 E = 6.18'



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
WESSERUNNETT BRIDGE		22825.00	
WESSERUNNETT STREAM		WIN	
SOMERSET COUNTY		22825.00	
ATHENS		BRIDGE NO. 2925	
GENERAL PLAN		BRIDGE PLANS	
SHEET NUMBER		DATE	
3		AUG. 2018	
OF 14		SIGNATURE	
		P.E. NUMBER	
		FIELD CHANGES	
PROJ. MANAGER	BY	DATE	
CHECKED/REVIEWED	M.S.T. PIERRE	AUG. 2018	
DESIGN DETAILER	T. WHITE		
DESIGN DETAILER			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			



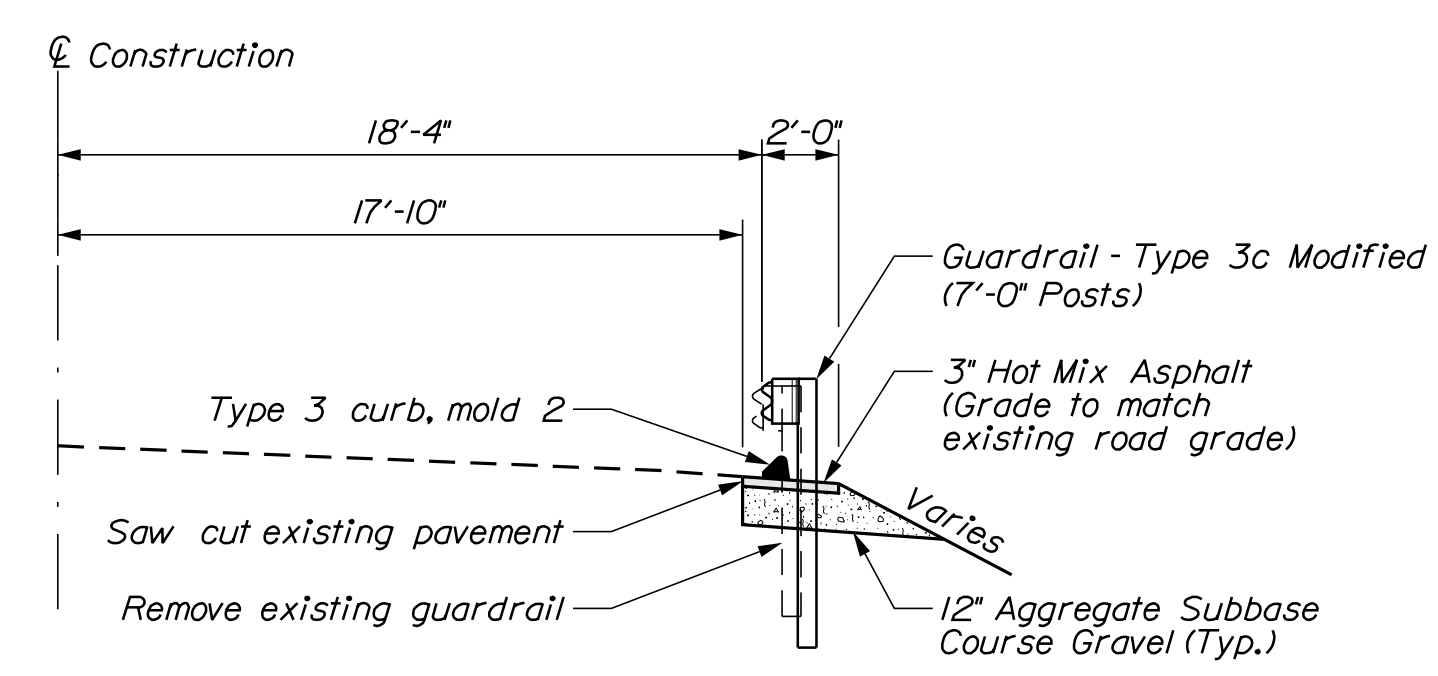
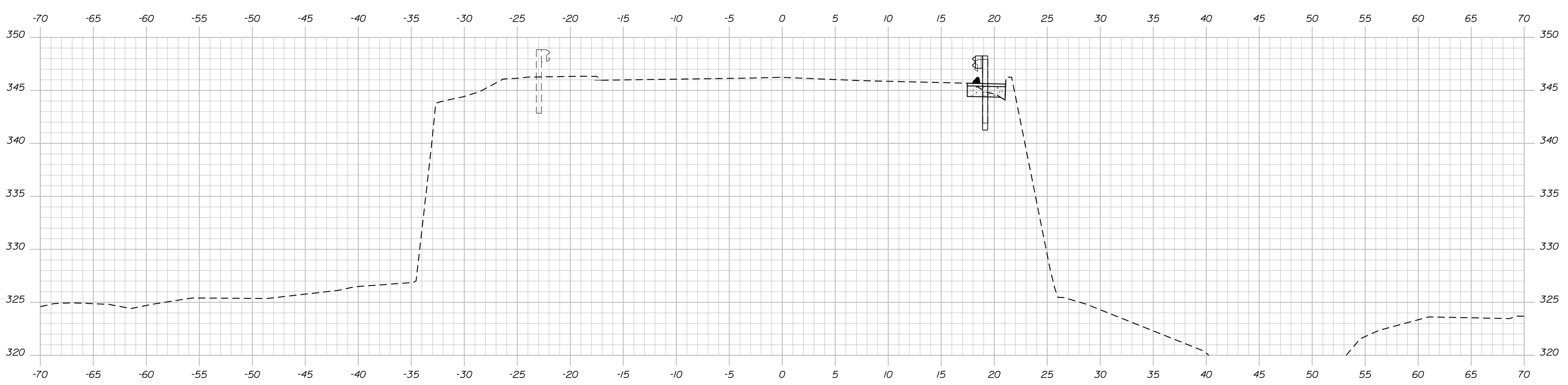
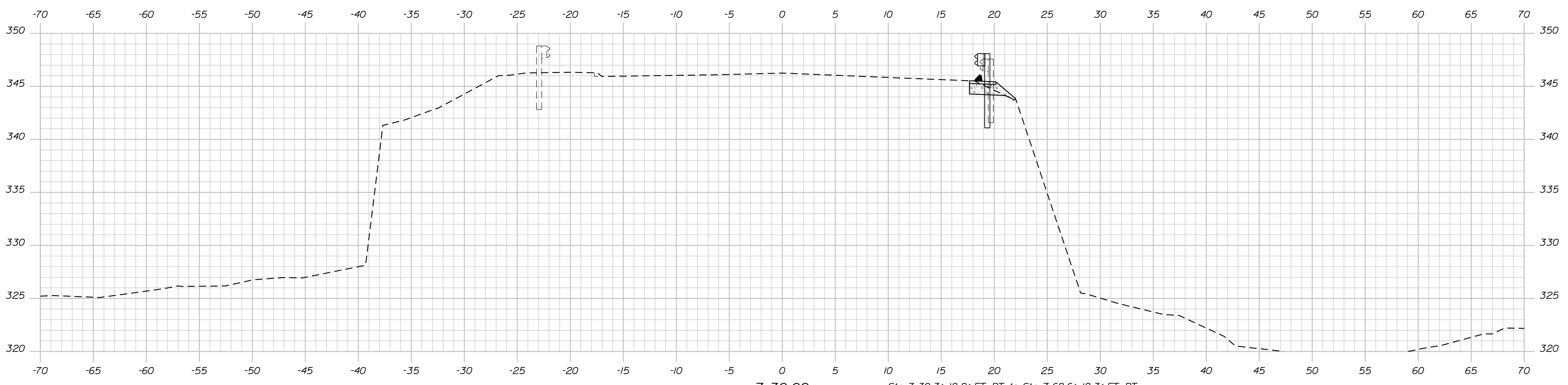
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BRIDGE PLANS		BRIDGE PLANS	
PROJ. MANAGER	BY	DATE	SIGNATURE
CHECKED/REVIEWED	L. KRUSINSKI	OCT 2019	
DESIGN DETAILED			
DESIGN DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
WESSERUNSETT BRIDGE		SOMERSET COUNTY	
WESSERUNSETT STREAM		BORING LOCATION PLAN	
ATHENS		SHEET NUMBER	
		4	
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Date: 11/13/2019

Username: David.Shaw

Division: BRIDGE

Filename: ... \MSTA\006_XSECT_7+25-7+30.dgn



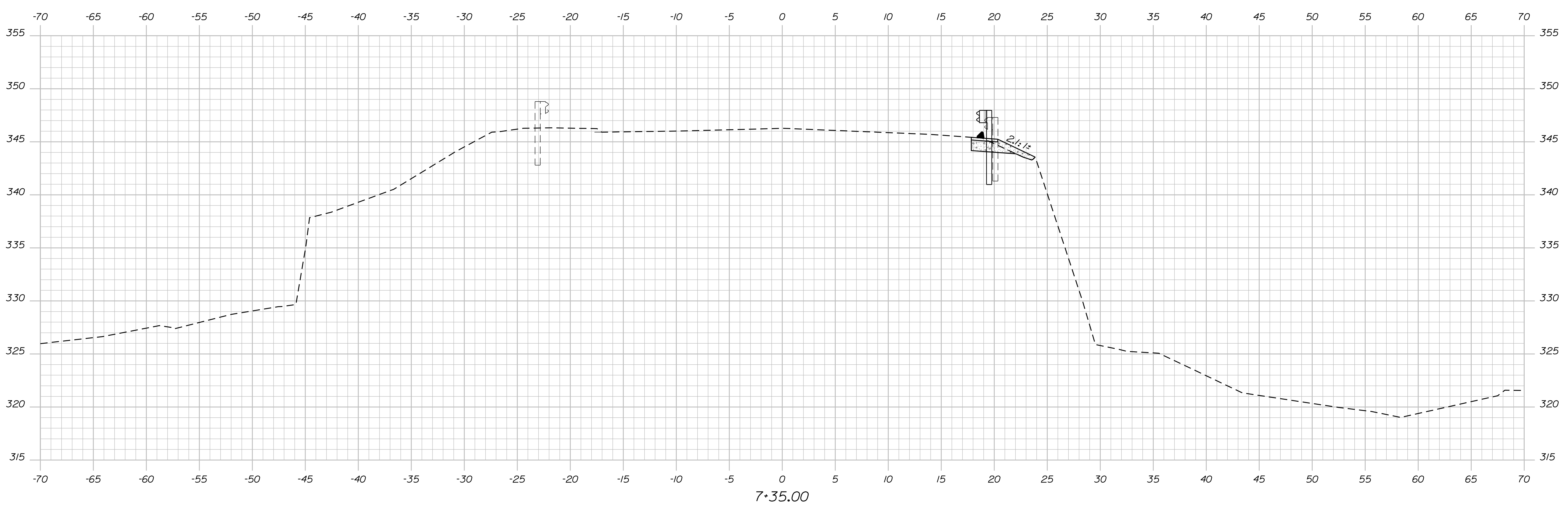
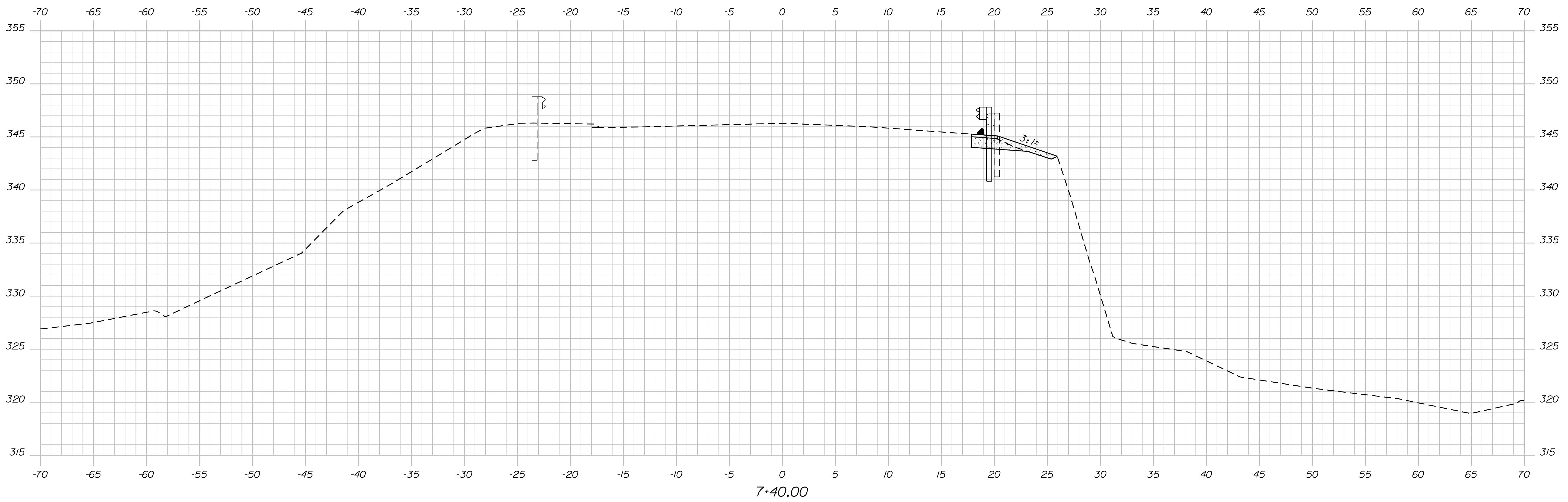
TYPICAL APPROACH HALF SECTION

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		22825.00	
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ATHENS		BRIDGE NO. 29925 BRIDGE PLANS	
SHEET NUMBER		6	
OF 14		DATE	
BY		DATE	
PROJ. MANAGER		SIGNATURE	
DESIGN DETAILED		P.E. NUMBER	
CHECKED/REVIEWED		DATE	
DESIGN DETAILED		AUG. 2018	
DESIGN DETAILED		M.S.T. PIERRE T. WHITE	
REVISIONS 1		DATE	
REVISIONS 2		DATE	
REVISIONS 3		DATE	
REVISIONS 4		DATE	
FIELD CHANGES		DATE	

Date: 11/13/2019

Username: David.Snow

Filename: ... \MSTA\007_XSECT_7+35-7+40.dgn Division: BRIDGE



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		22825.00	
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ATHENS			
CROSS SECTIONS			
SHEET NUMBER			
7			
OF 14			

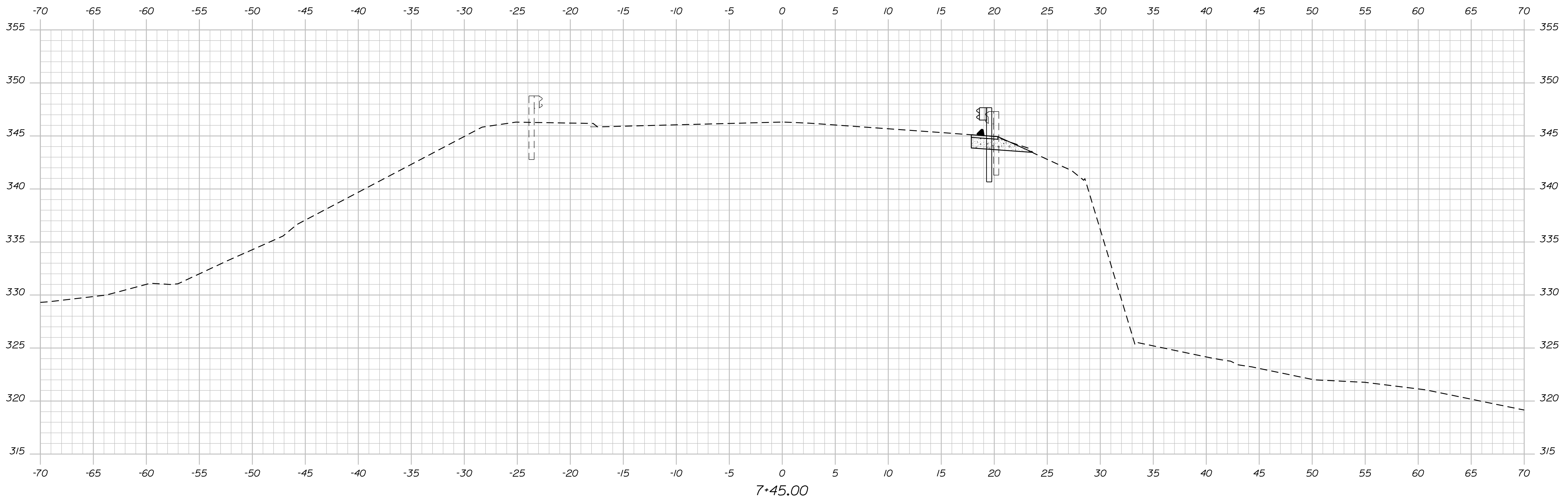
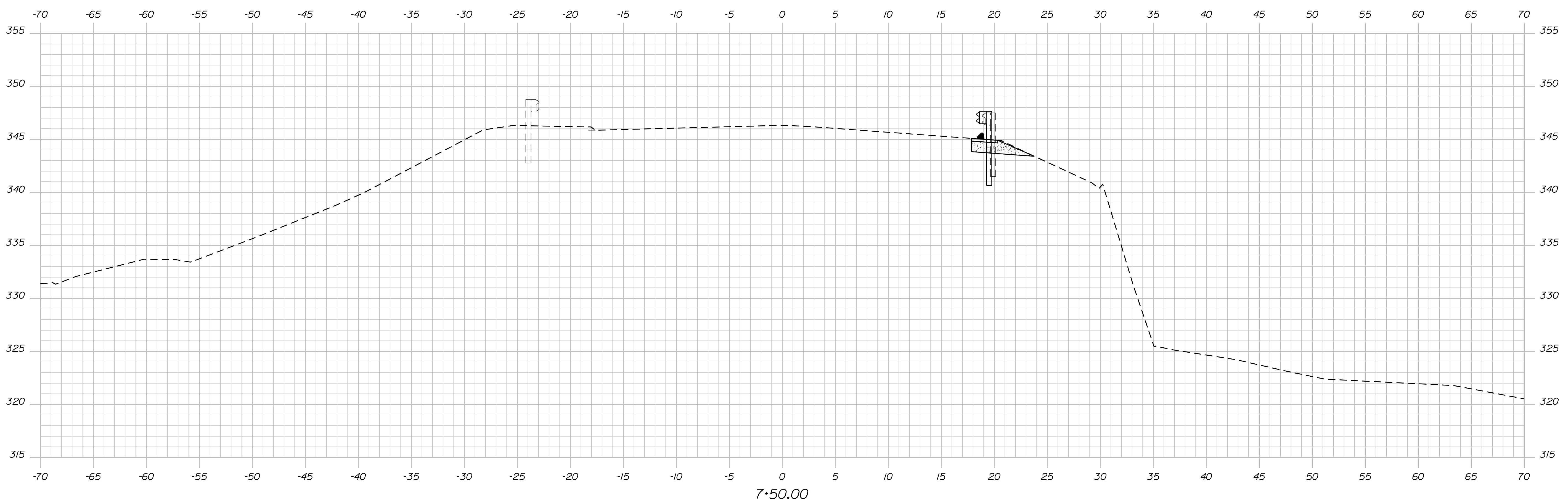
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CHECKED-REVIEWED			
DESIGNS DETAILED	AUG 2018	MST.PIERRE	T.WHITTE
DESIGNS DETAILED			
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

Date: 11/13/2019

Username: David.Shaw

Filename: ... \MSTA\008_XSECT_7+45-7+50.dgn Division: BRIDGE



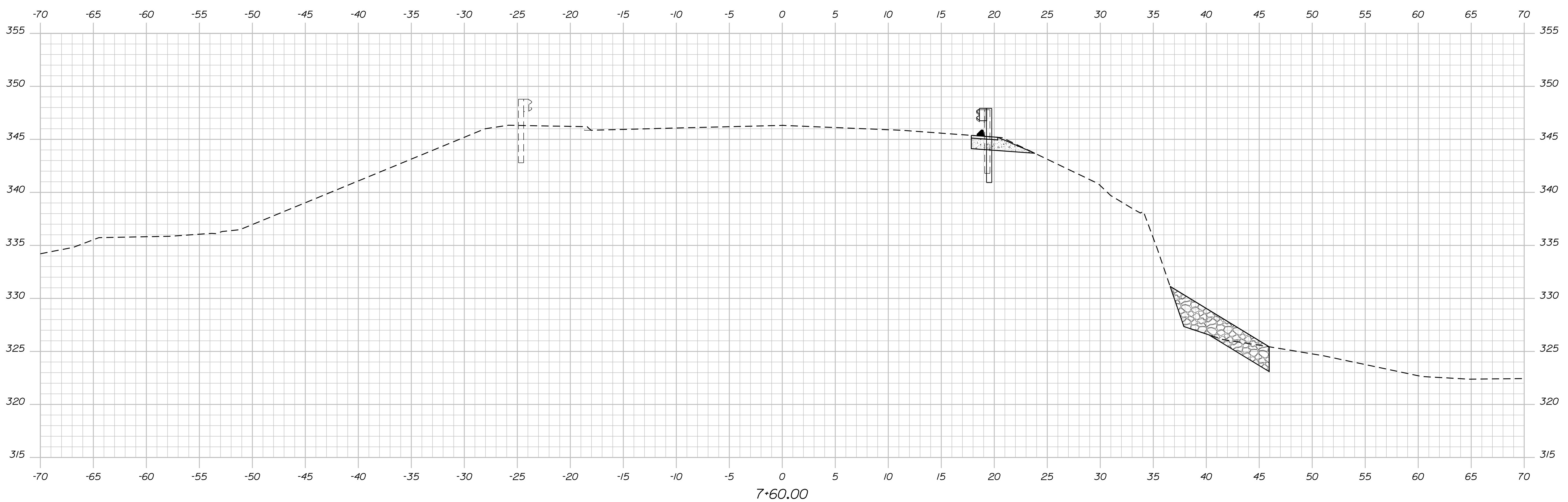
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ATHENS		BRIDGE NO. 2925 BRIDGE PLANS
SHEET NUMBER	8	
OF 14		

PROJ. MANAGER	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN DETAILED	MST.PIERRE	AUG. 2018			
CHECKED-REVIEWED	T.WHITE				
DESIGNS DETAILED					
DESIGNS DETAILED					
REVISIONS 1					
REVISIONS 2					
REVISIONS 3					
REVISIONS 4					
FIELD CHANGES					

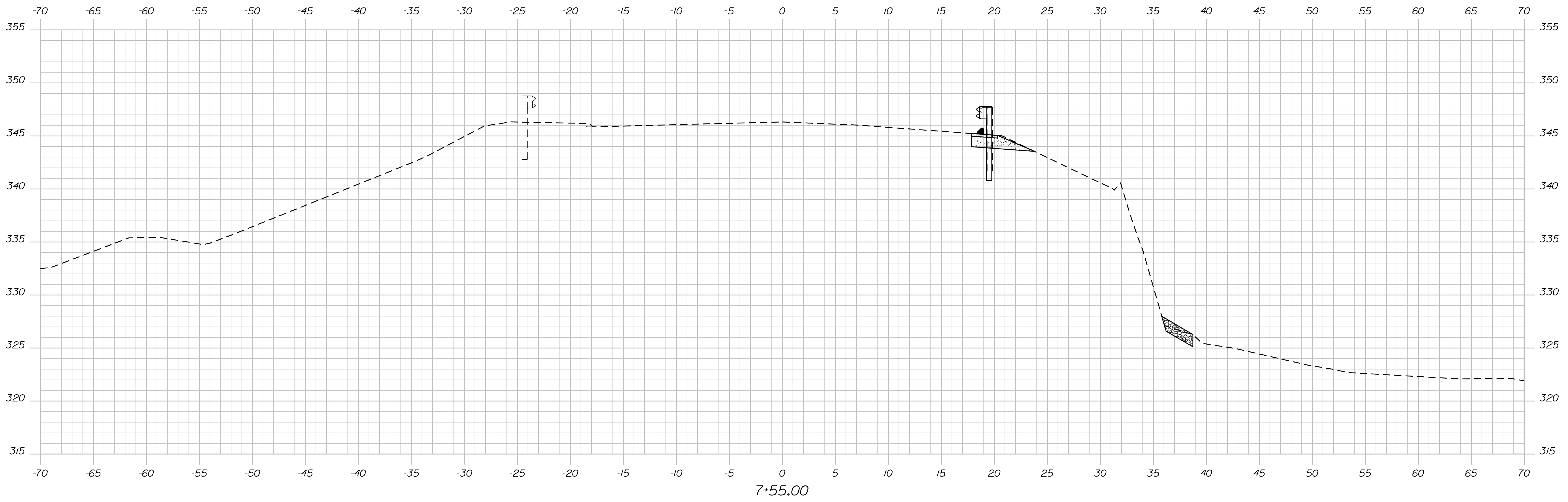
Date: 11/13/2019

Username: David.Shaw

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7+60.00



7+55.00

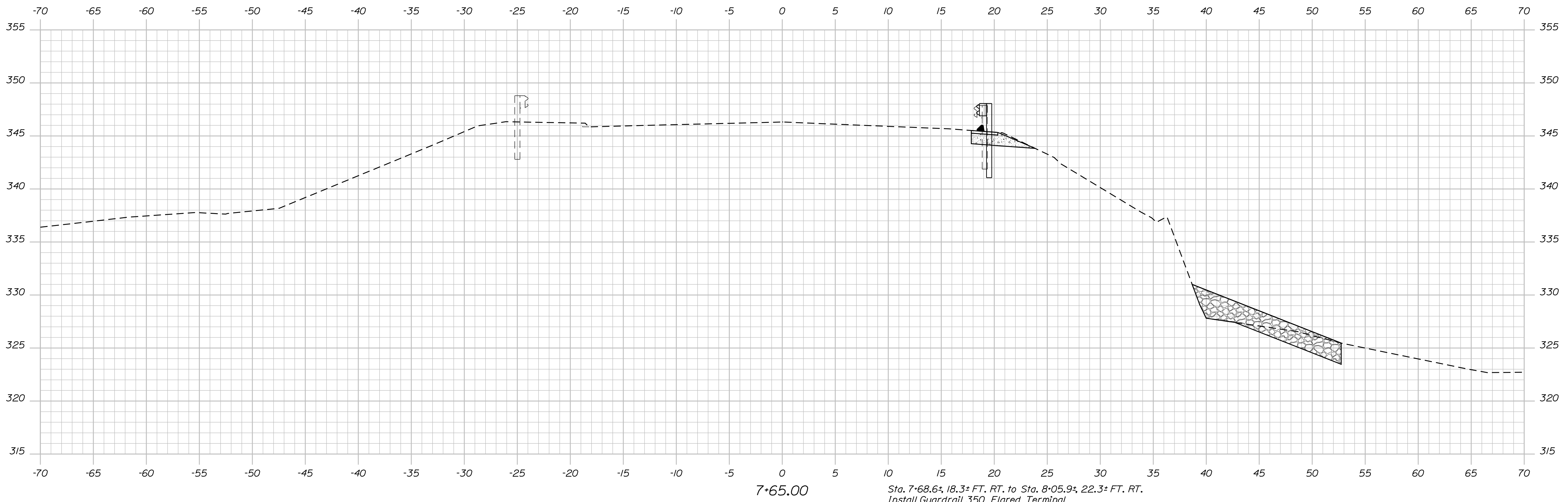
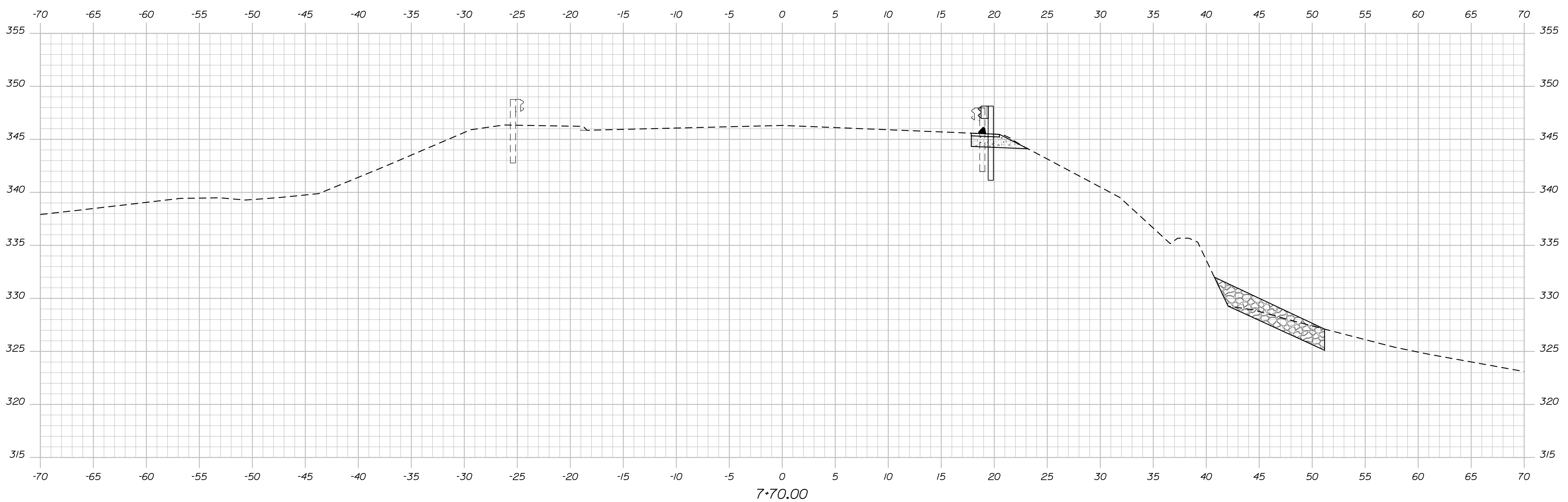
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CROSS SECTIONS		BRIDGE PLANS
PROJ. MANAGER	BY	DATE
DESIGN DETAILED		
CHECKED-REVIEWED		
DESIGNS DETAILED	MST.PIERRE	AUG. 2018
DESIGNS DETAILED	T.WHITE	
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		
SHEET NUMBER		DATE
9		P.E. NUMBER
OF 14		DATE

Date: 11/13/2019

Username: David.Shaw

Division: BRIDGE

Filename: ... \MSTAN010_XSECT_7+65-7+70.dgn



Sta. 7+68.6±, 18.3± FT. RT. to Sta. 8+05.9±, 22.3± FT. RT.
 Install Guardrail 350 Flared Terminal

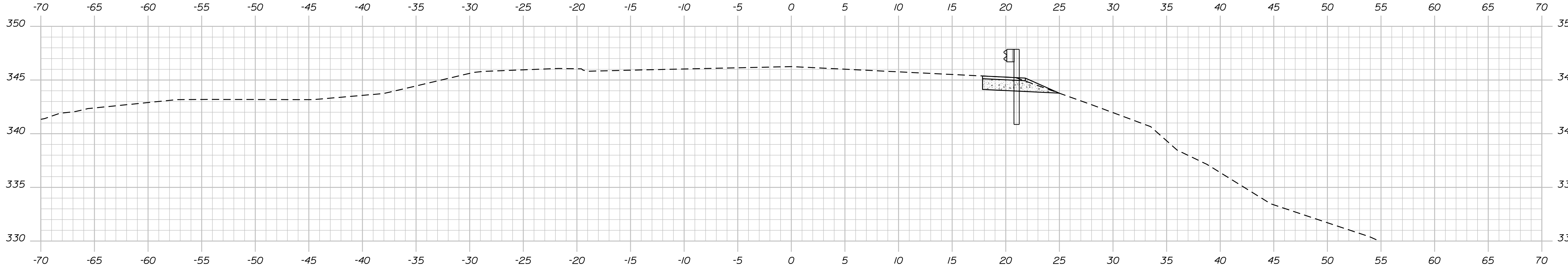
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	CHECKED-REVIEWED		REVISIONS 2	
	DESIGN-DETAILED		REVISIONS 3	
	PROJ. MANAGER		REVISIONS 4	
	BY		FIELD CHANGES	
WESSERUNSETT BRIDGE WESSERUNSETT STREAM SOMERSET COUNTY				
ATHENS				
CROSS SECTIONS				
SHEET NUMBER				
10				
OF 14				

Date: 11/13/2019

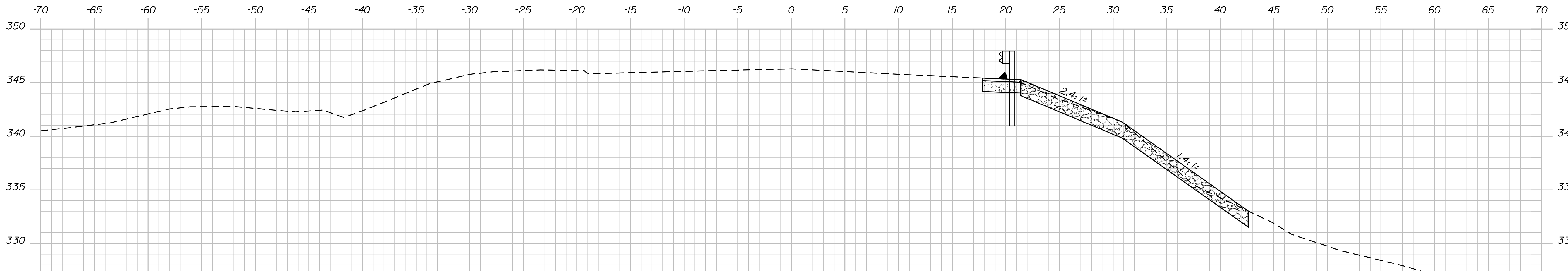
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Division: BRIDGE

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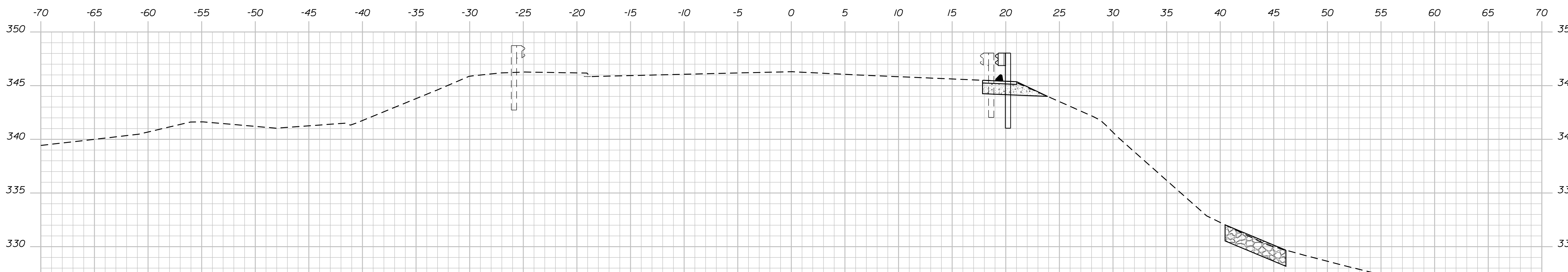


7+82.49



7+78.51

Install 4 FT. Wide Riprap Downspout
 (Centerline) Sta. 7+80.2±, 22.8± FT. RT. to
 Sta. 7+78.3, 40.0± FT. RT. to Sta. 7+65.3±, 53.0± FT. RT.



7+75.00

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
22825.00
 WIN
 22825.00
 BRIDGE NO. 2925
 BRIDGE PLANS

DESIGN DETAILED	DATE	SIGNATURE
CHECKED-REVIEWED		
DESIGN DETAILED	AUG 2018	
DESIGN DETAILED	M.S.T. PIERRE	T. WHITE
REVISIONS 1		P.E. NUMBER
REVISIONS 2		DATE
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

PROJ. MANAGER	BY	DATE

WESSERUNSETT BRIDGE
 WESSERUNSETT STREAM
 SOMERSET COUNTY
 ATHENS
CROSS SECTIONS

SHEET NUMBER
11
 OF 14

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 _____
 Tree Line _____
 Water Edge _____
 Ledge _____
 Fence CHAIN LINK _____
 Sign _____
 Clearing Limit Line CLL _____
 Bush Line _____
 Rock/Boulder _____
 BARB WIRE _____
 WELL _____
 Flag Pole _____
 STOCKADE _____
 Mailbox _____

PLAN LEGEND

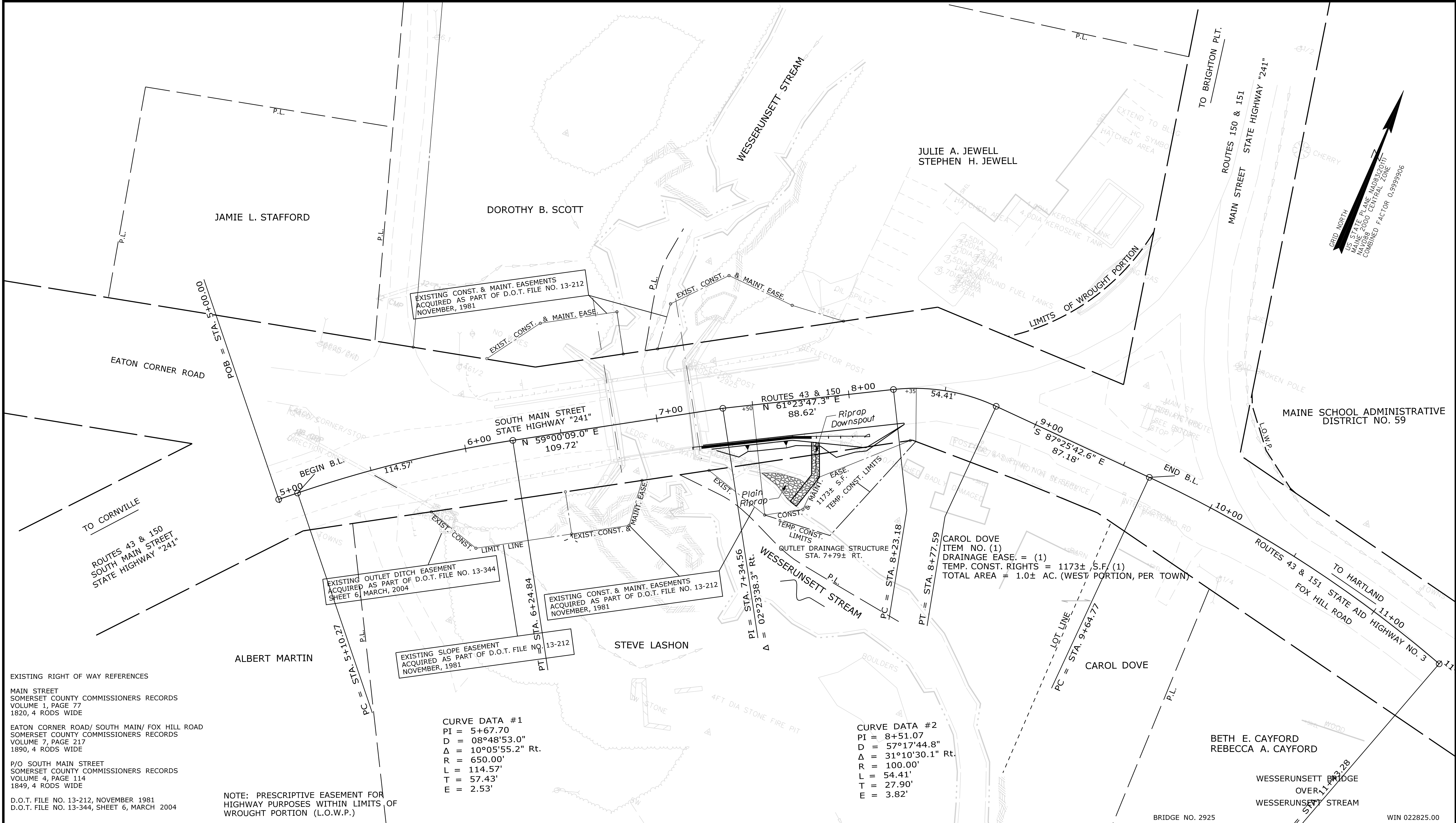
Sanitary Sewer	Existing	Proposed	Traveled Way	Existing	Proposed
Telephone Line	Existing	Proposed	Ditch	Existing	Proposed
Electric Line	Existing	Proposed	Catch Basin	Existing	Proposed
Water Line	Existing	Proposed	Manhole	Existing	Proposed
Underdrain Line	Existing	Proposed	Sewer Manhole	Existing	Proposed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

Cut Line _____
 Stonewall _____
 Baseline _____
 Monument _____
 Iron Rod Found _____
 Replacement Pin Set _____
 Fill Line _____
 Retaining Wall _____
 Traverse Point _____
 Pipe Found _____

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 ADJACENT PROPERTY OWNERS.

25 0 25 50 75 100
 Scale of Feet



EXISTING RIGHT OF WAY REFERENCES
 MAIN STREET
 SOMERSET COUNTY COMMISSIONERS RECORDS
 VOLUME 1, PAGE 77
 1820, 4 RODS WIDE
 EATON CORNER ROAD/ SOUTH MAIN/ FOX HILL ROAD
 SOMERSET COUNTY COMMISSIONERS RECORDS
 VOLUME 7, PAGE 217
 1890, 4 RODS WIDE
 P/O SOUTH MAIN STREET
 SOMERSET COUNTY COMMISSIONERS RECORDS
 VOLUME 4, PAGE 114
 1849, 4 RODS WIDE
 D.O.T. FILE NO. 13-212, NOVEMBER 1981
 D.O.T. FILE NO. 13-344, SHEET 6, MARCH 2004

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

CURVE DATA #1
 PI = 5+67.70
 D = 08°48'53.0"
 Δ = 10°05'55.2" Rt.
 R = 650.00'
 L = 114.57'
 T = 57.43'
 E = 2.53'

CURVE DATA #2
 PI = 8+51.07
 D = 57°17'44.8"
 Δ = 31°10'30.1" Rt.
 R = 100.00'
 L = 54.41'
 T = 27.90'
 E = 3.82'

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

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

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

BRUCE A. VAN NOTE
 COMMISSIONER
 JOYCE NOEL TAYLOR
 CHIEF ENGINEER
 DATE _____

STATE HIGHWAY "241"
 SOUTH MAIN STREET ROUTES 43 & 150
 ATHENS SOMERSET COUNTY
 FEDERAL AID PROJECT NO. 2282500
 MAY 2019
 SCALE 1" = 25'

SHEET NUMBER
14
 OF 14

Filename: ... \00\ROW\MSTA001_RWP\PLAN1.dgn
 Division: BRIDGE
 Username: David.Shaw
 Date: 11/13/2019