

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	600	SY
203.20	COMMON EXCAVATION	822	CY
203.2318	DISPOSAL OF SPECIAL WASTE	160	T
203.24	COMMON BORROW	10	CY
203.25	GRANULAR BORROW	578	CY
203.33	SPECIAL FILL	66	CY
203.55	CULVERT BEDDING STONE	167	CY
206.061	STRUCTURAL EARTH EXC. - DRNAGE AND MNR STR, BELOW GRD	89	CY
304.14	AGGREGATE BASE COURSE - TYPE A	700	CY
403.2081	12.5 MM POLYMER MODIFIED HOT MIX ASPHALT	131	T
403.211	HOT MIX ASPHALT (SHIMMING)	12	T
403.213	HOT MIX ASPHALT 12.5 MM BASE	208	T
403.2131	12.5 MM POLYMER MODIFIED HMA BASE	99	T
409.15	BITUMINOUS TACK COAT - APPLIED	139	G
461.31	TEMPORARY PAVEMENT	40	T
502.565	CONCRETE FILL	62	CY
508.13	SHEET WATERPROOFING MEMBRANE (180 SY)	1	LS
511.07	COFFERDAM: UPSTREAM	1	LS
511.07	COFFERDAM: DOWNSTREAM	1	LS
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES (40 SY)	1	LS
524.301	TEMPORARY STRUCTURAL SUPPORT	1	LS
526.301	TEMPORARY CONCRETE BARRIER TYPE I (220 LF)	1	LS
527.34	WORK ZONE CRASH CUSHIONS	2	UN
534.71	PRECAST CONCRETE BOX CULVERT (188 CY)	1	LS
606.1301	3" W-BM GR, MID-WAY SPLICE-SGL FACED	413	LF
606.1305	3" W-BM GR, MID-WAY SPLICE FLARED TERMINAL	2	EA
606.353	REFLECTORIZED FLEXIBLE GUARDRAIL MARKER	4	EA
607.10	BARBED WIRE FENCE - WOOD POSTS	85	LF
610.08	PLAIN RIPRAP	120	CY
610.210	STREAM CHANNEL ROCK	400	CY
613.319	EROSION CONTROL BLANKET	112	SY
615.07	LOAM	52	CY
618.14	SEEDING METHOD NUMBER 2	9	UN
619.12	MULCH	9	UN
619.14	EROSION CONTROL MIX	104	CY
620.54	STABILIZATION/REINFORCEMENT GEOTEXTILE	559	SY
620.58	EROSION CONTROL GEOTEXTILE	525	SY
620.65	REINFORCEMENT GEOGRID	235	SY
627.18	12" SOLID WHITE PAVEMENT MARKING	24	LF
627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	900	LF
627.77	REMOVING PAVEMENT MARKINGS	400	SF
627.78	TEMPORARY 4 INCH PAINTED PVMT MRK LINE, WHITE OR YEL LOW	1200	LF
629.05	HAND LABOR, STRAIGHT TIME	50	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	25	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	25	HR
639.19	FIELD OFFICE TYPE B	1	EA
643.72	TEMPORARY TRAFFIC SIGNAL	1	LS
652.312	TYPE III BARRICADE	2	EA
652.33	DRUM	50	EA
652.34	CONE	100	EA
652.35	CONSTRUCTION SIGNS	400	SF
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGER	500	HR
652.41	PORTABLE CHANGEABLE MESSAGE SIGN	2	EA
652.47	TEMPORARY PORTABLE RUMBLE STRIP	2	GP
656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	1	LS
659.10	MOBILIZATION	1	LS

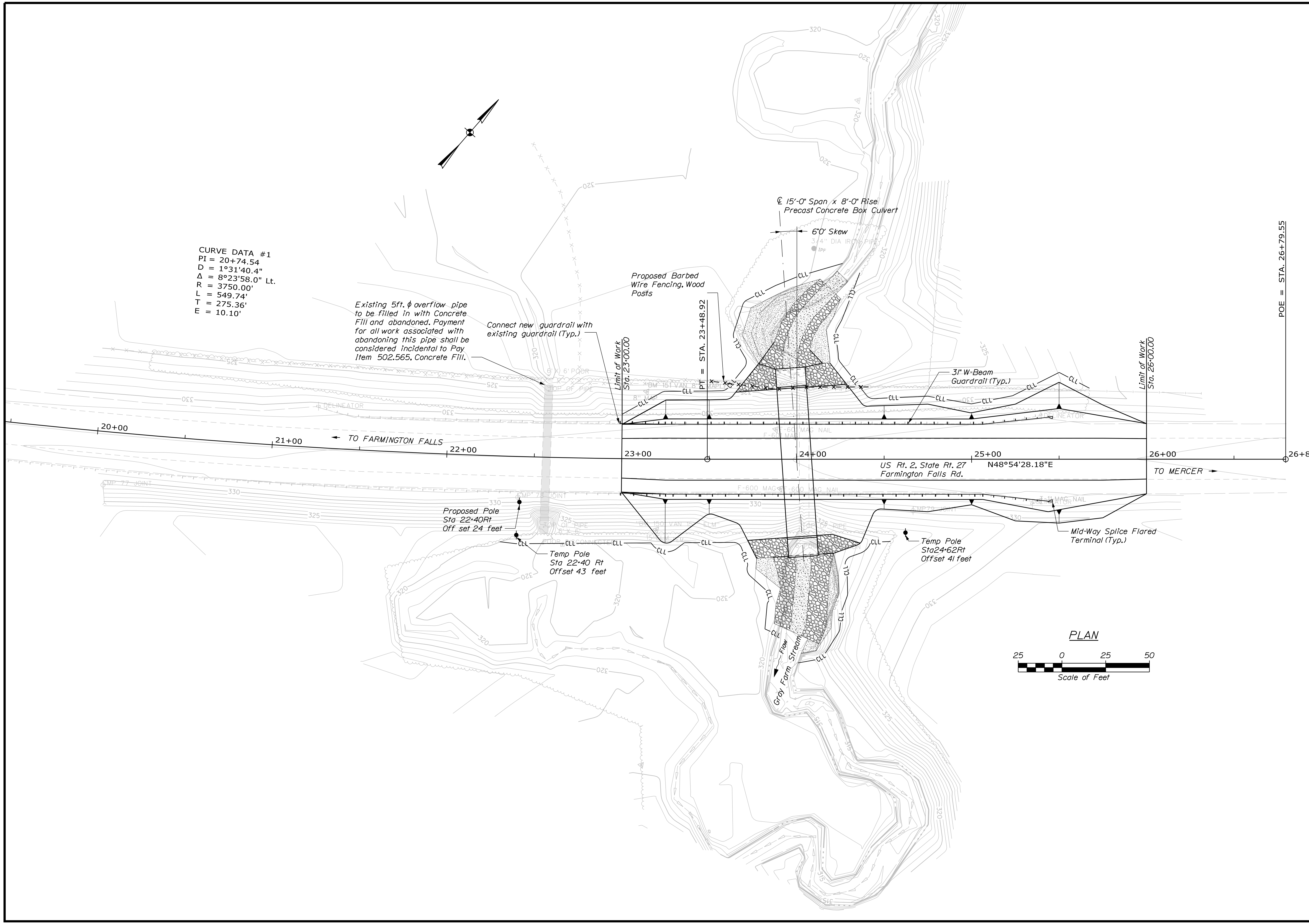
GENERAL CONSTRUCTION NOTES

- For easements, construction limits and right of way lines, refer to Right of Way Map.
- The clearing limits as shown on the plans are approximate. The exact limits will be established in the field by the Resident. Payment for clearing will be considered incidental to Contract items.
- 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 rental items.
- All embankment material, except as otherwise shown, placed below EL 320.00 shall be Granular Borrow meeting the requirements of Subsection 703.19, Material for Underwater Backfill.
- Place riprap on sideslopes up to EL 323.00.
- 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 top of the riprap.
- An MASH 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.
- Protective Coating for Concrete Surfaces shall be applied to the following areas:

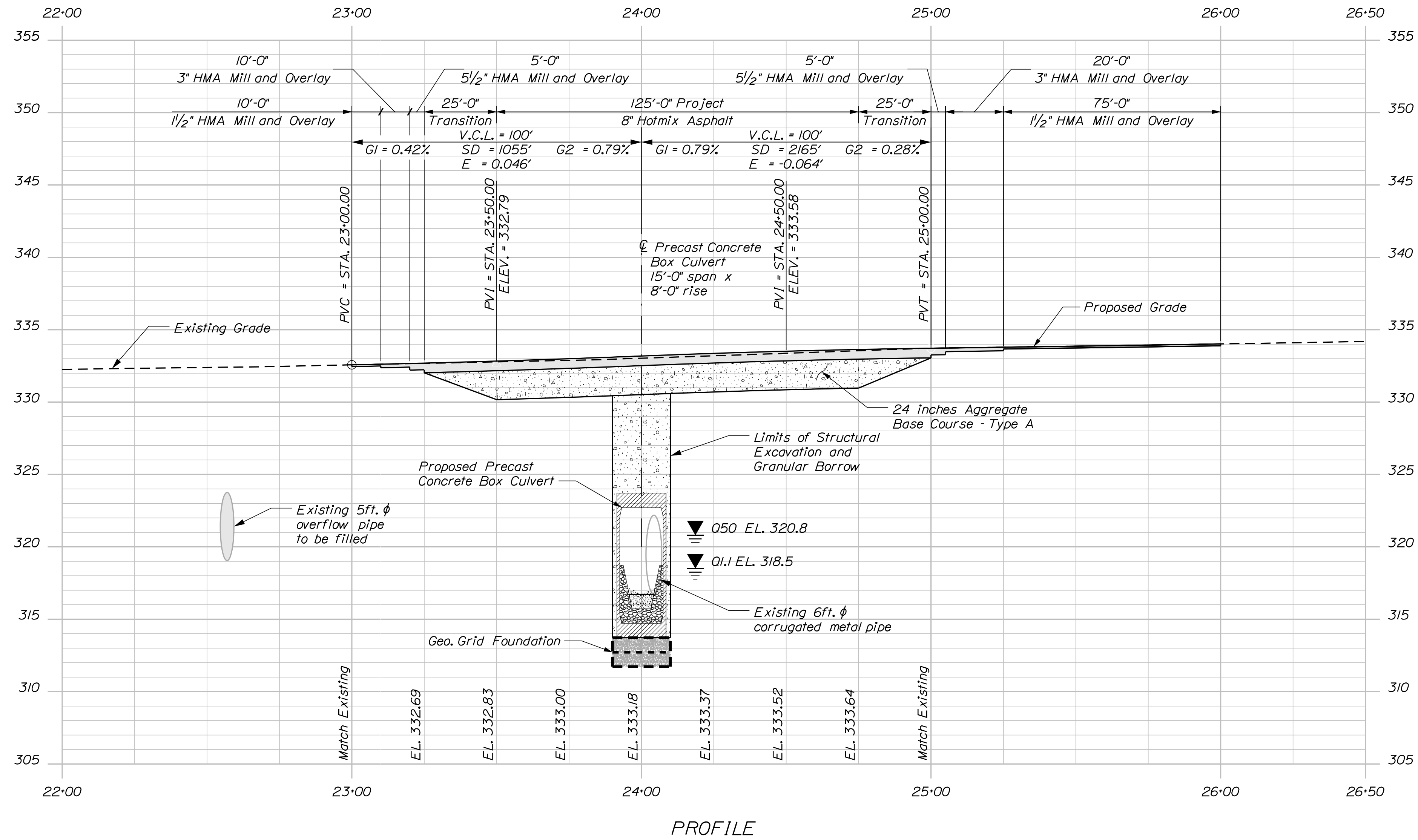
Concrete headwalls, including to one foot inside the box;
Exposed tops of vertical walls and to one foot below the ground on the back side;
Exposed faces of vertical walls and to one foot inside the box.

- Project information referred to below may be accessed at the following MaineDOT web address: <http://www.maine.gov/mdot/contractors/>.
- The hydrologic report of the bridge site may be accessed at the MaineDOT web address. The hydrologic report is based on MaineDOT's interpretation of the information obtained for the subject site. No assurance is given that the information or the conclusions of the report will be representative of actual conditions at the time of construction.
- The project geotechnical report, Geotechnical Design Report, Gray Farm Bridge U.S. Route 2/State Route 27 over Gray Farm Stream, New Sharon, Maine, Soils Report 2018-34, October 5, 2018, may be accessed at the MaineDOT web address.
- The excavation for the box culvert and its bearing pad shall stay above Elev. 311 (at the inlet) and Elev. 309 (at the outlet) to ensure minimum cover over the soft Marine Clay deposit during construction. Maintaining a minimum thickness of the Recent Alluvium over the clay layer will protect the stability of the clay. Disturbing the clay layer may lead to unstable soils during construction and should be avoided.
- The silty fine sand (Recent Alluvium) at the box culvert subgrade elevation is below the groundwater level, is saturated and loose, and will easily become disturbed by construction activities. The following items will be necessary to maintain a stable excavation and bearing surface:
 - Construction phase dewatering to limit disturbance of the Recent Alluvium and limit the risk of excavation bottom heave, is recommended to allow the bearing pad construction in the dry. Cofferdams may be required to divert flow away from the new culvert location during construction.
 - As great a thickness as possible of the silty fine sand (Recent Alluvium) needs to remain in place and undisturbed between the box culvert bedding pad and the underlying Marine Clay.
 - The contractor shall not operate heavy equipment on the excavated subgrade to minimize subgrade disturbance.
 - Use of a smooth-edged bucket and careful grade control will be necessary to avoid over excavation and/or disturbance of the subgrade.
- The stabilization/reinforcement geotextile shall be hand-deployed on the prepared soil subgrade prior to installing the geogrid-reinforced stone mat. The crushed stone shall be placed in maximum 8-inch thick lifts and each lift compacted with at least 4 passes of a walk-behind vibrator-type compactor.
- The existing 6 foot diameter pipe shall be removed by and become the property of the Contractor.
- Alignment files for roadway and streambed available upon request for information only.
- The Contractor must maintain access to at least one of two field entrances during construction, 300 feet east or 600 feet west of the project location.

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		19178.10		WIN 19178.10		BRIDGE NO. 6486 BRIDGE PLANS	
GRAY FARM BRIDGE GRAY FARM STREAM NEW SHARON		FRANKLIN COUNTY		ESTIMATED QUANTITIES & GENERAL CONSTRUCTION NOTES		SHEET NUMBER	
PROJ. MANAGER		M. WIGHT		DATE		SIGNATURE	
DESIGN-DETAILED		A. SHARAS		SEP 2018		SIGNATURE	
CHECKED-REVIEWED		R. MYERS		OCT 2018		SIGNATURE	
DESIGN-DETAILED		L. KRUSINSKI		SEP 2018		P.E. NUMBER	
DESIGN-DETAILED		T. WHITE		DATE		DATE	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
BRIDGE NO. 6486		BRIDGE PLANS	
19178.10		WIN	
19178.10		19178.10	
PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN DETAILED	A. SHARA	SEP 2018	SIGNATURE
CHECKED/REVIEWED	R. MYERS	OCT 2018	DATE
DESIGN DETAILED	L. KRUSINSKI	SEP 2018	P.E. NUMBER
REVISIONS 1			DATE
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
GRAY FARM BRIDGE		FRANKLIN COUNTY	
GRAY FARM STREAM		GENERAL PLAN	
NEW SHARON		SHEET NUMBER	
		3	
		OF 24	



BRIDGE NO. 6486	WIN	19178.10
BRIDGE PLANS		

PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN DETAILED	A. SHKARA	A. PARADIS	SEP 2018
CHECKED/REVIEWED	R. MYERS	M. WIGHT	OCT 2018
DESIGN DETAILED	L. KRUSINSKI	T. WHITE	SEP 2018
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

GRAY FARM BRIDGE	FRANKLIN COUNTY
GRAY FARM STREAM	
NEW SHARON	
PROFILE	

CURVE DATA #1
 PI = 20+74.54
 D = 1°31'40.4"
 Δ = 8°23'58.0" Lt.
 R = 3750.00'
 L = 549.74'
 T = 275.36'
 E = 10.10'

Existing 5ft. φ overflow pipe to be filled in with Concrete Fill and abandoned. Payment for all work associated with abandoning this pipe shall be considered incidental to Pay Item 502.565, Concrete Fill.

Connect new guardrail with existing guardrail (Typ.)

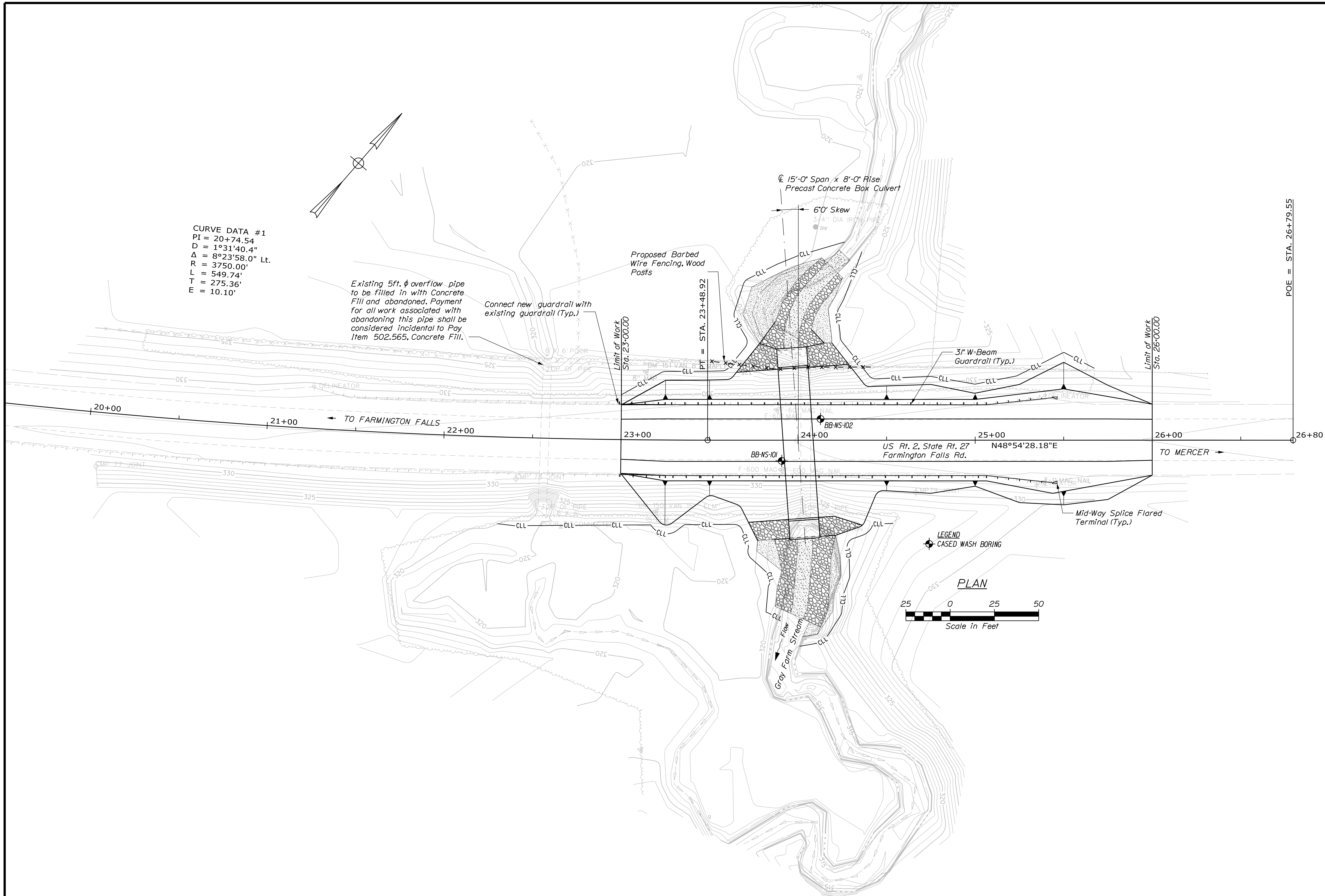
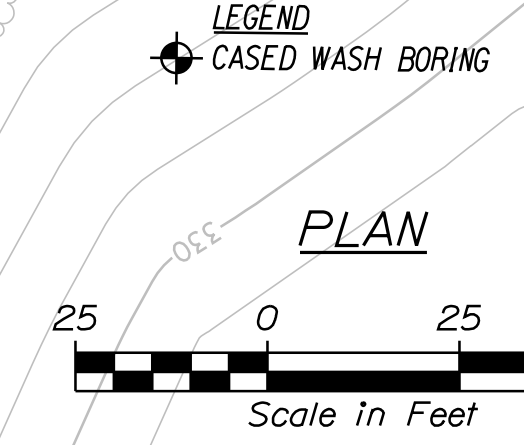
Proposed Barbed Wire Fencing, Wood Posts

15'-0" Span x 8'-0" Rise Precast Concrete Box Culvert

6'0" Skew

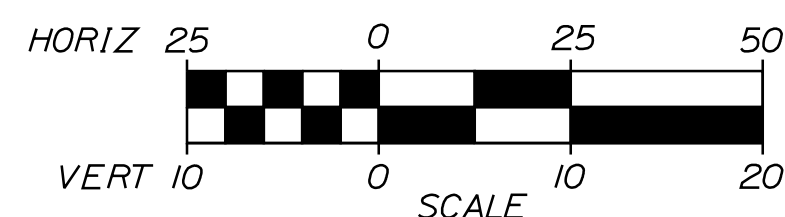
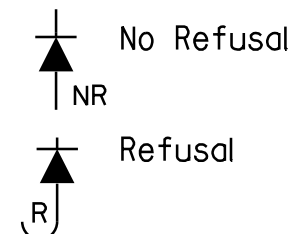
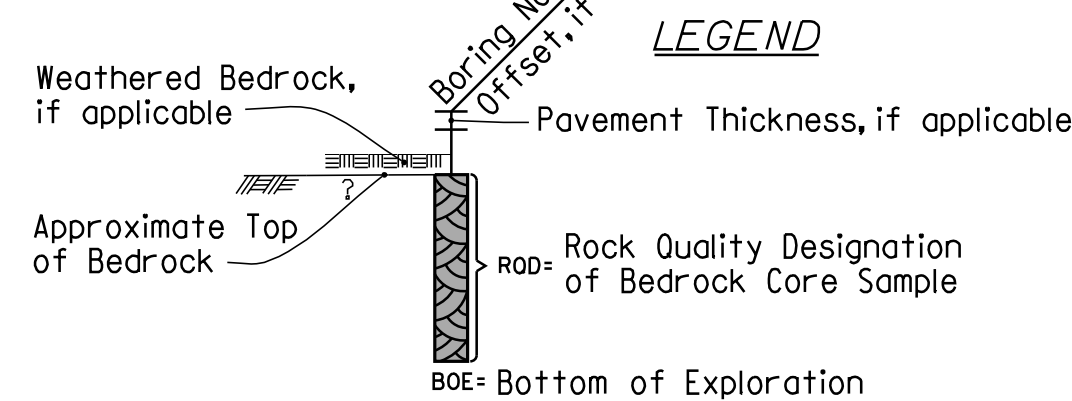
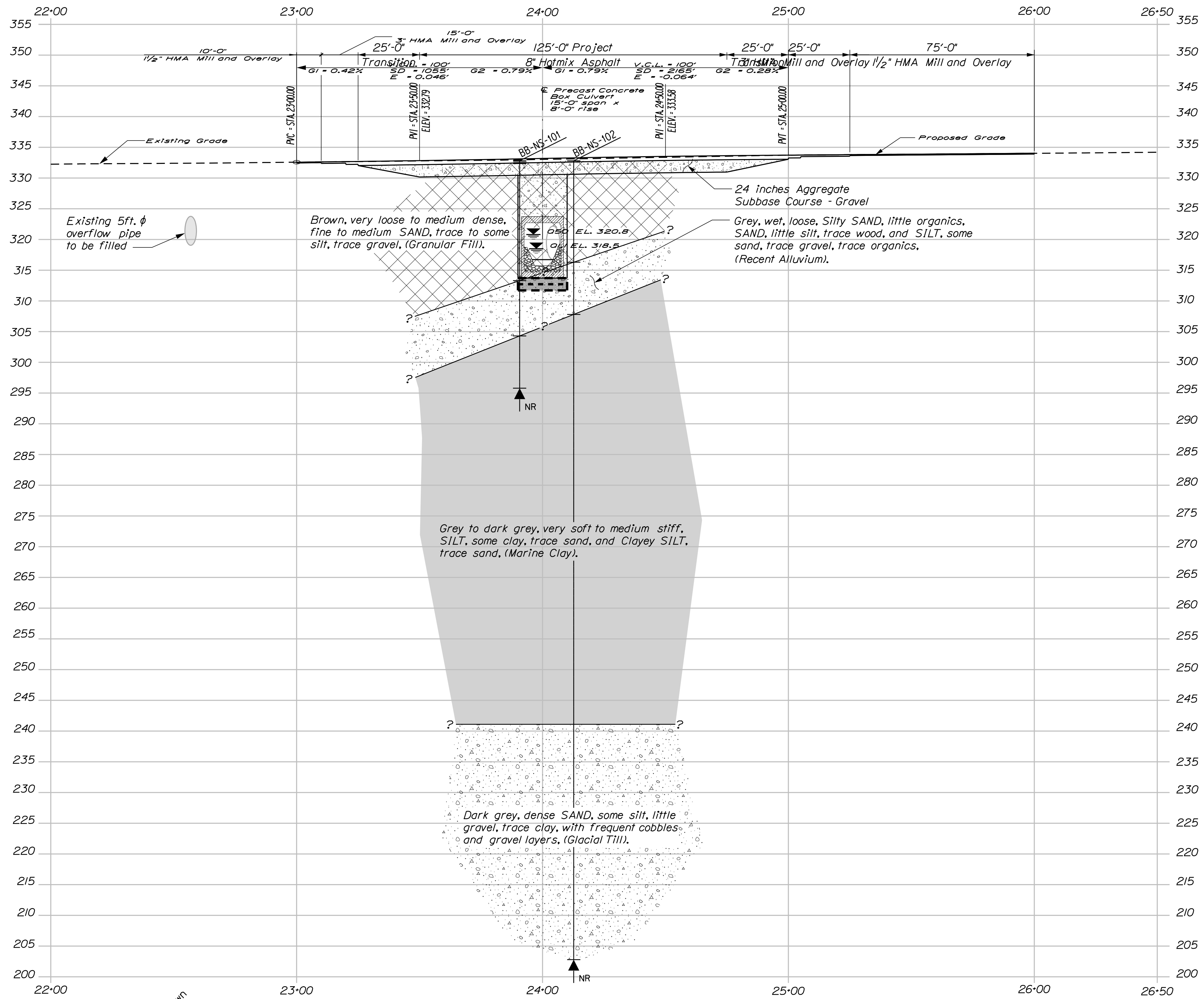
3" W-Beam Guardrail (Typ.)

Mid-Way Splice Flared Terminal (Typ.)



POE = STA. 26+79.55

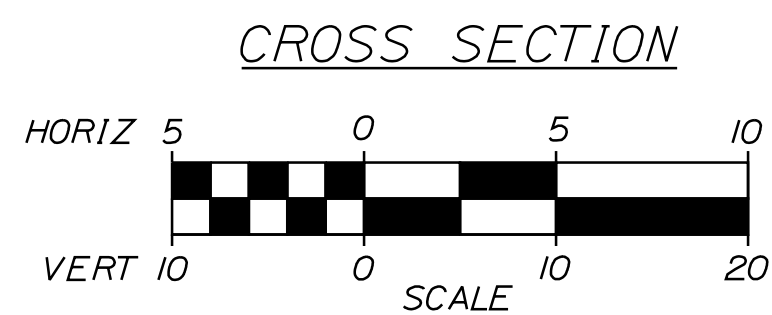
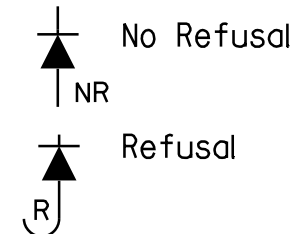
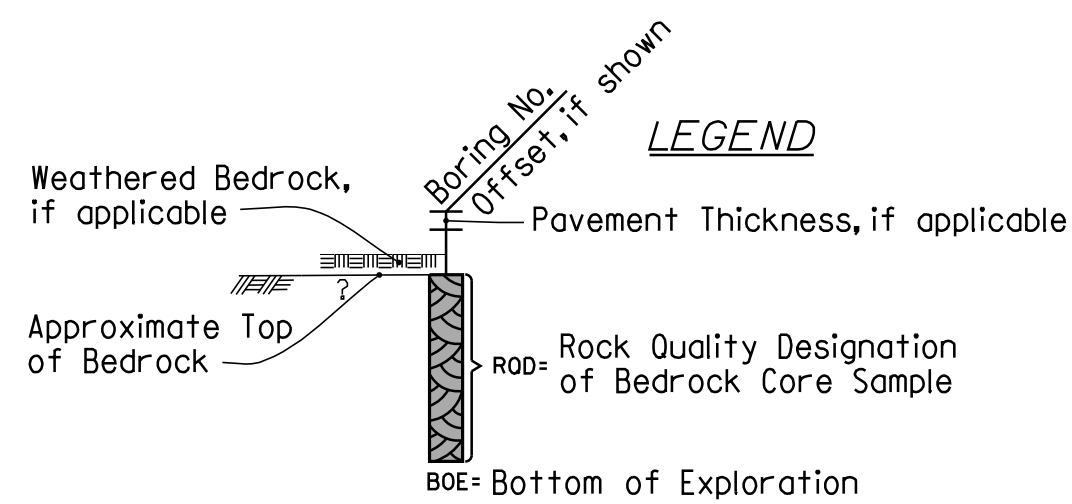
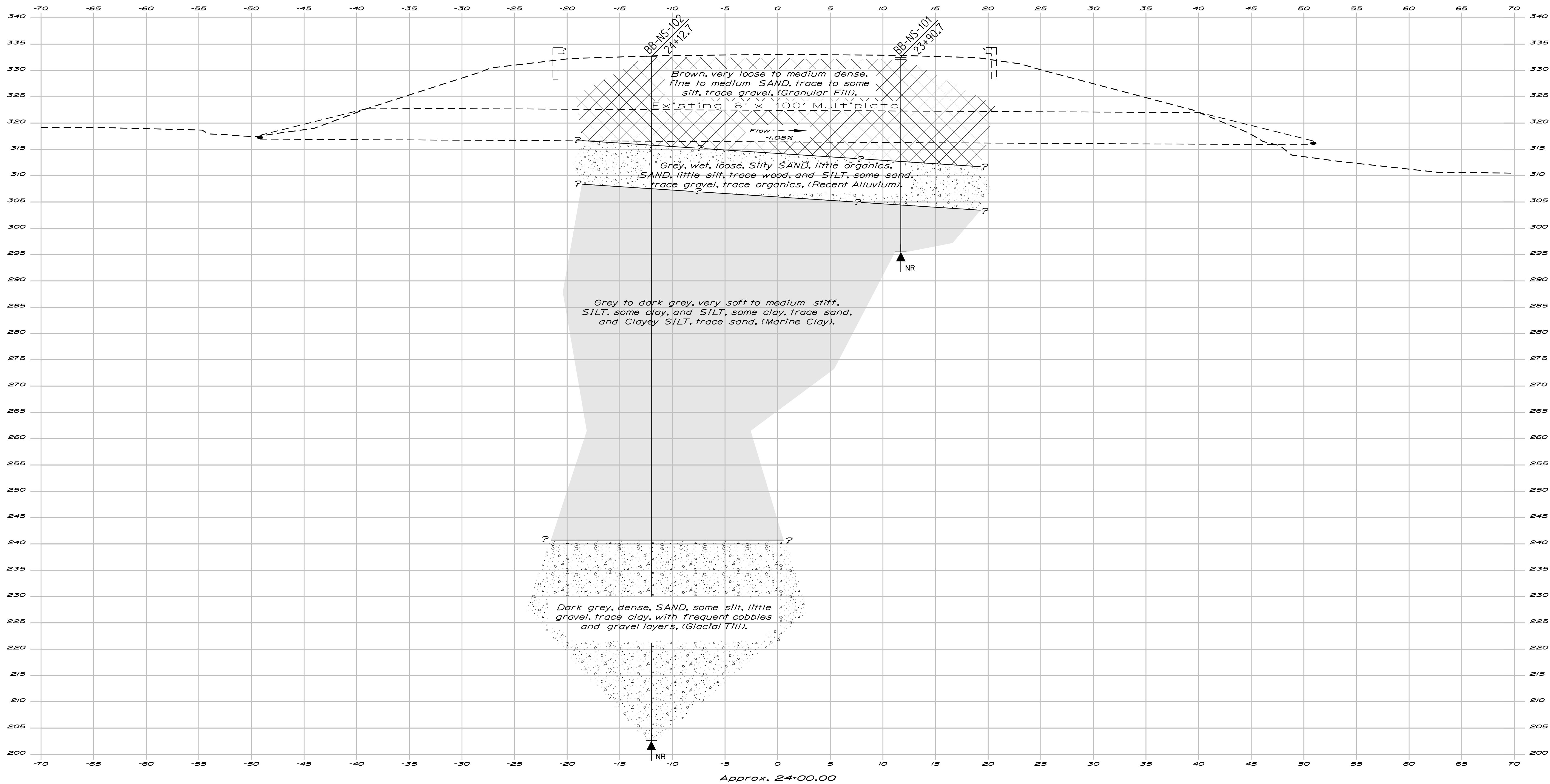
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
19178.10		BRIDGE NO. 6486	
WIN		19178.10	
BRIDGE PLANS			
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GRAY FARM STREAM		DATE	
NEW SHARON		P.E. NUMBER	
FRANKLIN COUNTY		DATE	
BORING LOCATION PLAN		DATE	
SHEET NUMBER		FIELD CHANGES	
5		REVISIONS 1	
		REVISIONS 2	
		REVISIONS 3	
		REVISIONS 4	
		DATE	



Note: This generalized interpretive soil profile is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples. Actual soil and bedrock transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.

PROJ. MANAGER	M. WIGHT	BY	DATE
CHECKED/REVIEWED	A. SHKARA	A. PARADIS	SEP. 2018
DESIGN/DETAILED	L. KRUSINSKI	T. WHITE	SEP. 2018
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

GRAY FARM BRIDGE
GRAY FARM STREAM
NEW SHARON
FRANKLIN COUNTY
INTERPRETIVE SUBSURFACE PROFILE



Note: This generalized interpretive soil cross section is intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized, and have been developed by interpretations of widely spaced explorations and samples. Actual soil and bedrock transitions may vary and are probably more erratic. For more specific information refer to the exploration logs.

PROJ. MANAGER	BY	DATE
D. Coombes	A. PARADIS	SEP 2018
DESIGN DETAILED	CHECKED/REVIEWED	SIGNATURE
L. KRUSINSKI	L. KRUSINSKI	T. WHITE
DESIGN DETAILED	DESIGN DETAILED	OCT 2018
REVISIONS 1	REVISIONS 1	P.E. NUMBER
REVISIONS 2	REVISIONS 2	DATE
REVISIONS 3	REVISIONS 3	
REVISIONS 4	REVISIONS 4	
FIELD CHANGES		

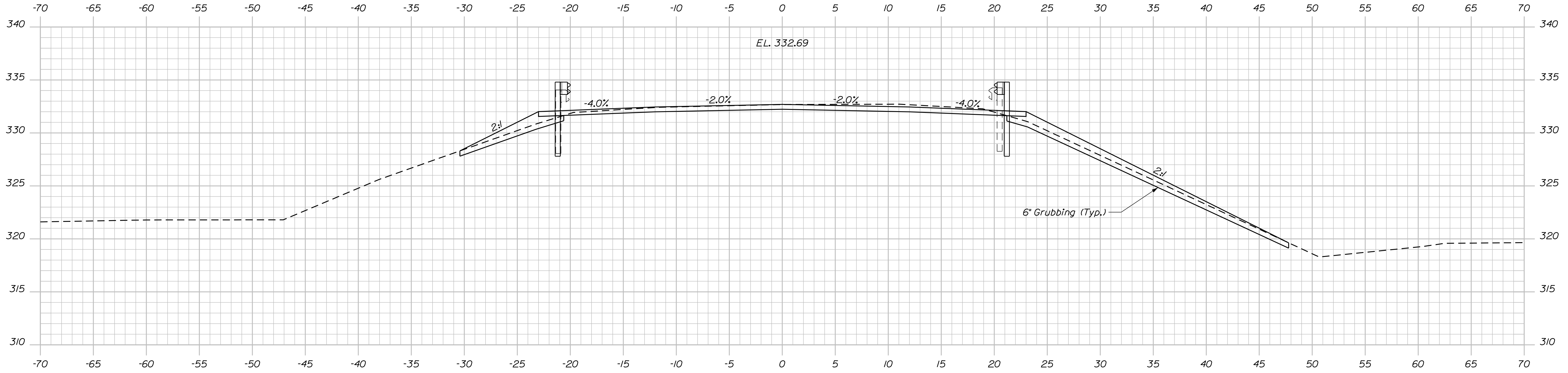
GRAY FARM BRIDGE	FRANKLIN COUNTY
GRAY FARM STREAM	
NEW SHARON	
INTERPRETIVE SUBSURFACE CROSS SECTION	

SHEET NUMBER

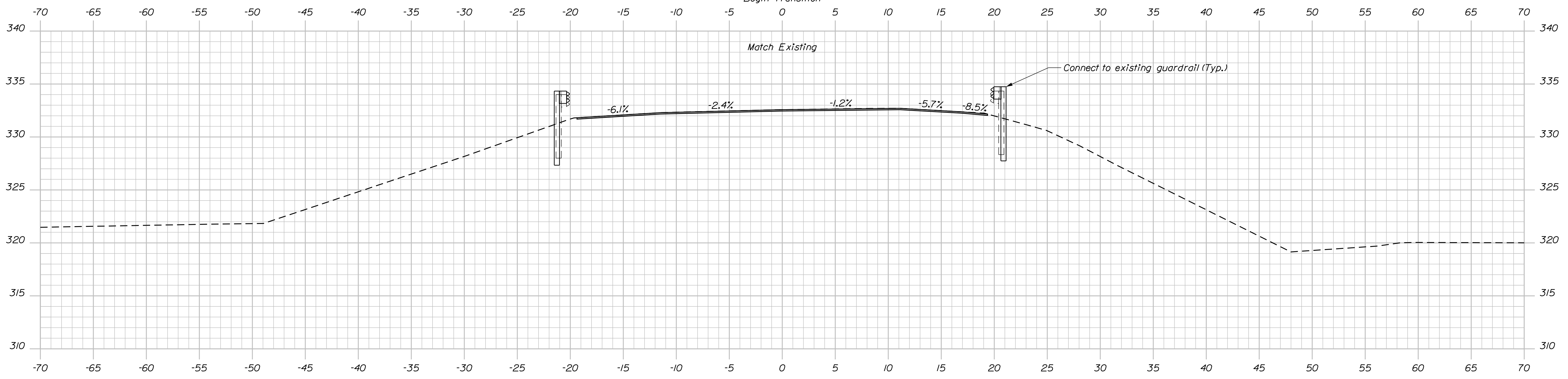
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OF 24

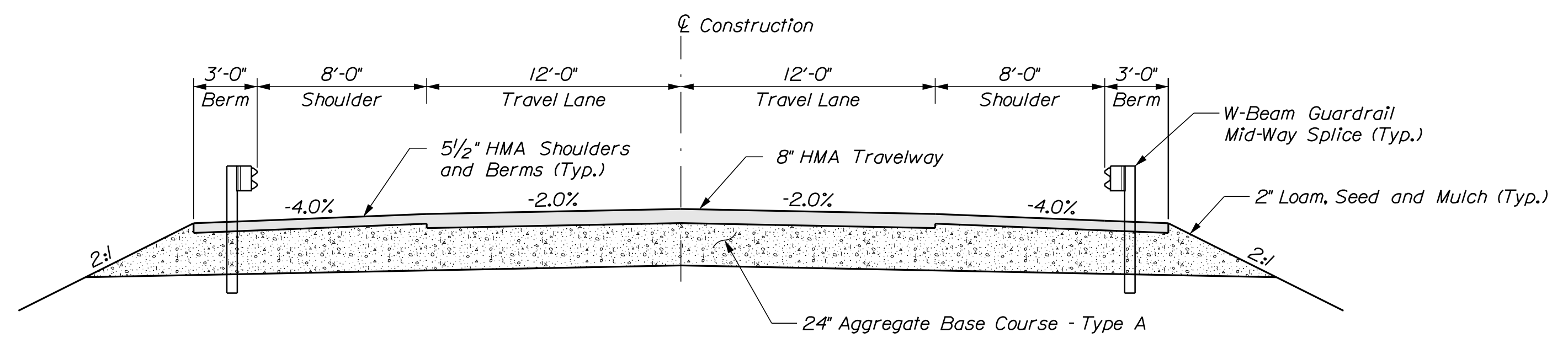
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23+25.00
End 5 1/2" Mill and Overlay/
Begin Transition



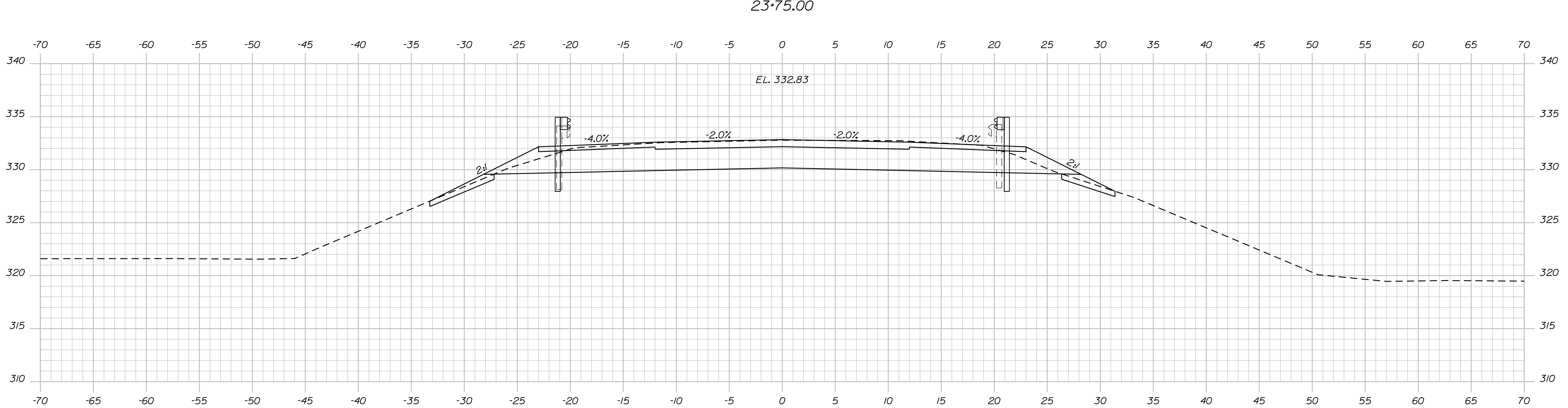
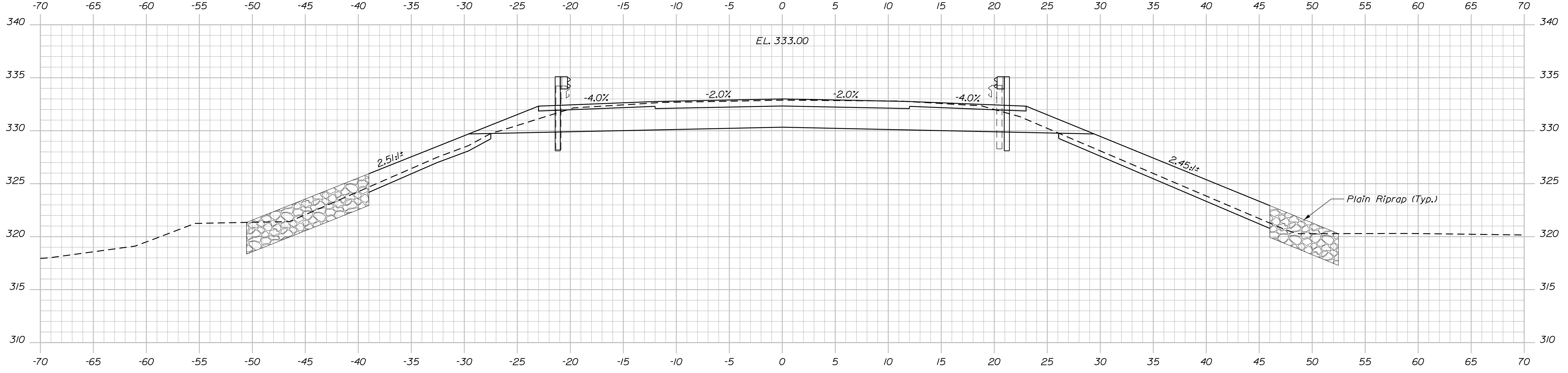
Sta. 23+00.00±, 20.0± Ft. Lt. to Sta. 25+06.25±, 20.0± Ft. Lt. Install 3" W-Beam Guardrail - Midway Splice
 23+00.00 Begin 1 1/2" Mill and Overlay
 Sta. 23+00.00±, 20.0± Ft. Rt. to Sta. 25+06.25±, 20.0± Ft. Rt. Install 3" W-Beam Guardrail - Midway Splice



TYPICAL APPROACH SECTION

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		19178.10		BRIDGE PLANS	
GRAY FARM BRIDGE		FRANKLIN COUNTY		NEW SHARON		CROSS SECTIONS	
GRAY FARM STREAM		FRANKLIN COUNTY		NEW SHARON		CROSS SECTIONS	
SHEET NUMBER		9		OF 24		BRIDGE NO. 6486	
WIN		19178.10		P.E. NUMBER		DATE	
BY		DATE		SIGNATURE		DATE	
M. WIGHT		SEP 2018		A. PARADIS		SEP 2018	
A. SHKARA		OCT 2018		R. MYERS		OCT 2018	
L. KRUSINSKI		SEP 2018		T. WHITE		SEP 2018	
DESIGN DETAILED		DESIGN DETAILED		DESIGN DETAILED		DESIGN DETAILED	
CHECKED		CHECKED		CHECKED		CHECKED	
REVISIONS 1		REVISIONS 2		REVISIONS 3		REVISIONS 4	
FIELD CHANGES		FIELD CHANGES		FIELD CHANGES		FIELD CHANGES	

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23+50.00
End Transition/Begin Project

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
19178.10
WIN
19178.10
BRIDGE NO. 6486
BRIDGE PLANS

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

BY
A. SHKARA
M. WRIGHT
L. KRUSINSKI
T. WHITE

DATE
SEP 2018
OCT 2018
SEP 2018

SIGNATURE

P.E. NUMBER

DATE

PROJ. MANAGER
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DESIGN-DETAILED
DESIGN-DETAILED
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REVISIONS 2
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REVISIONS 4
FIELD CHANGES

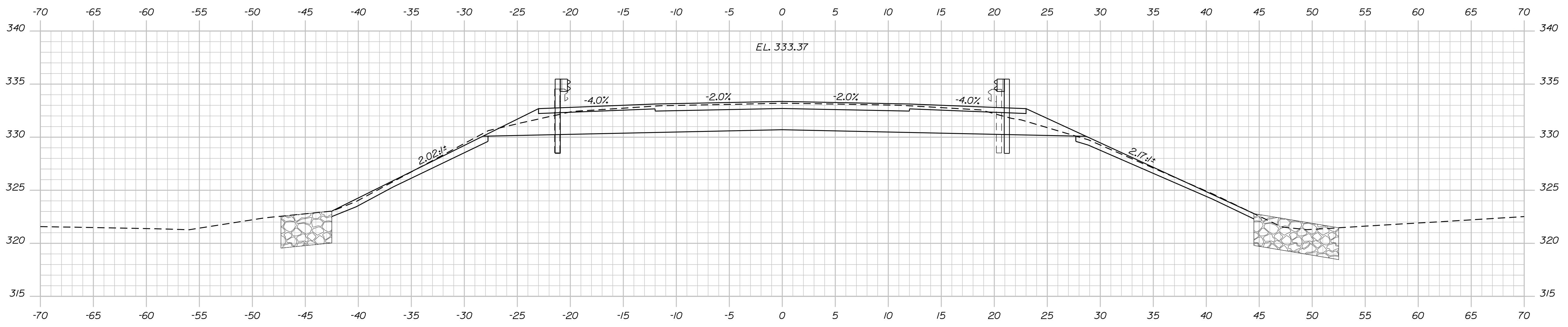
GRAY FARM BRIDGE
GRAY FARM STREAM
FRANKLIN COUNTY
NEW SHARON
CROSS SECTIONS

SHEET NUMBER
10
OF 24

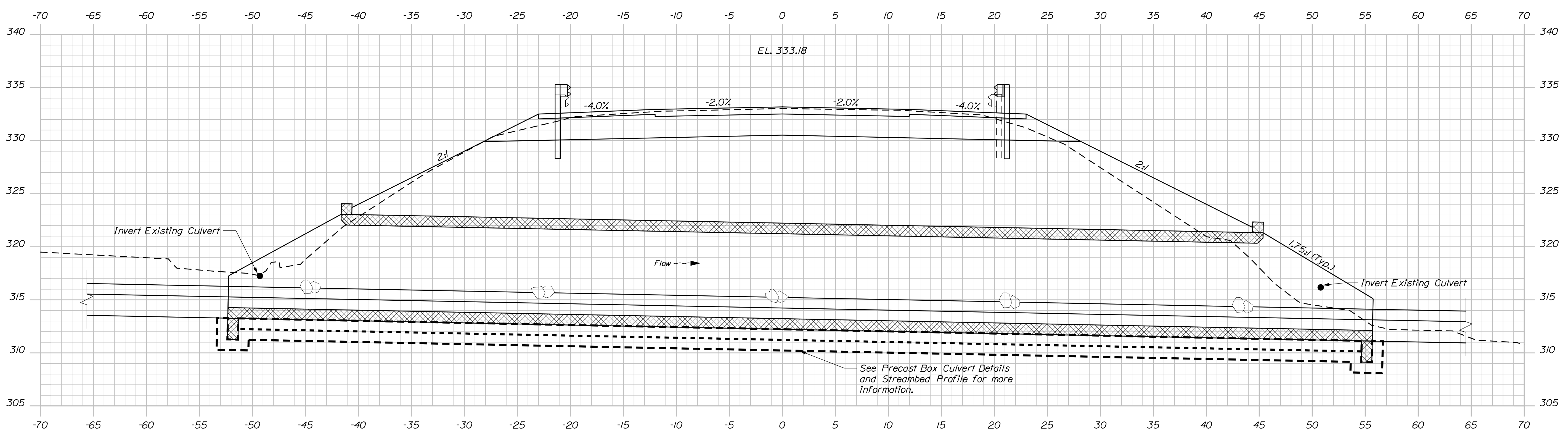
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Division: BRIDGE

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24+25.00



24+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
19178.10
BRIDGE NO. 6486
WIN
19178.10
BRIDGE PLANS

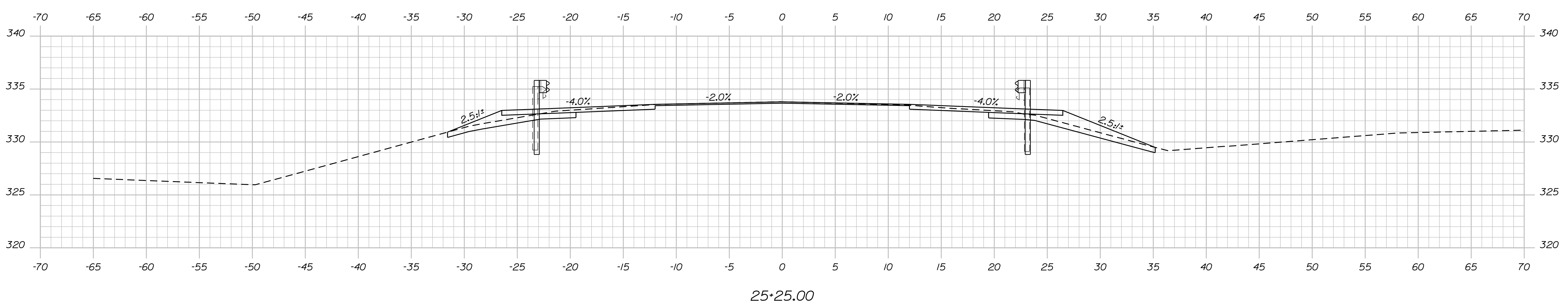
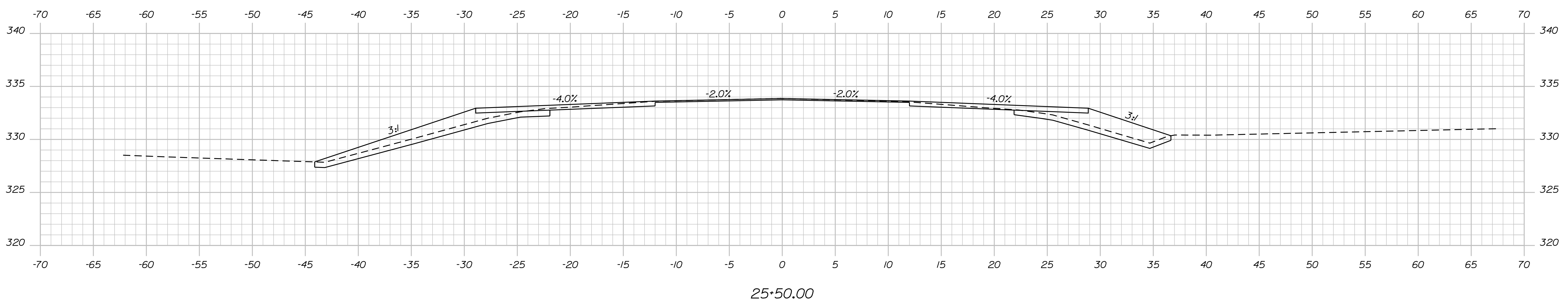
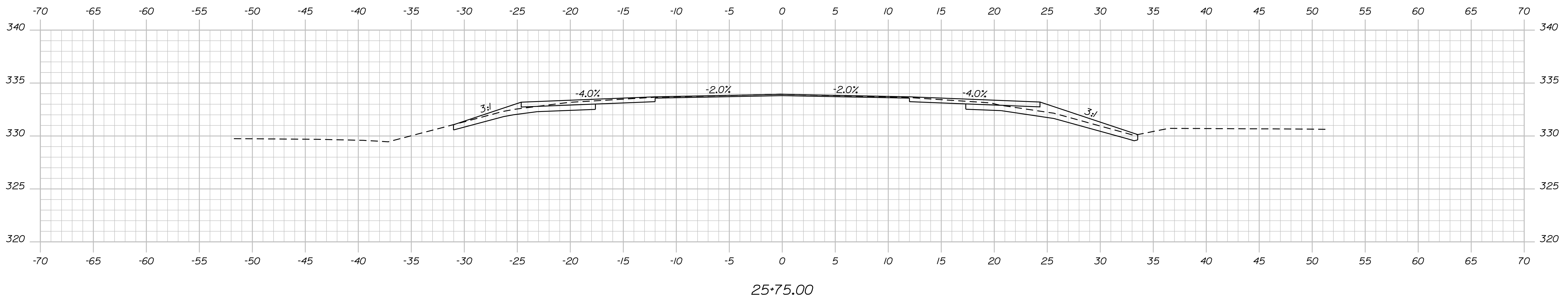
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CHECKED/REVIEWED	R. MYERS	OCT 2018
DESIGN DETAILED	L. KRUSINSKI	SEP 2018
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FIELD CHANGES		

SIGNATURE	P.E. NUMBER	DATE

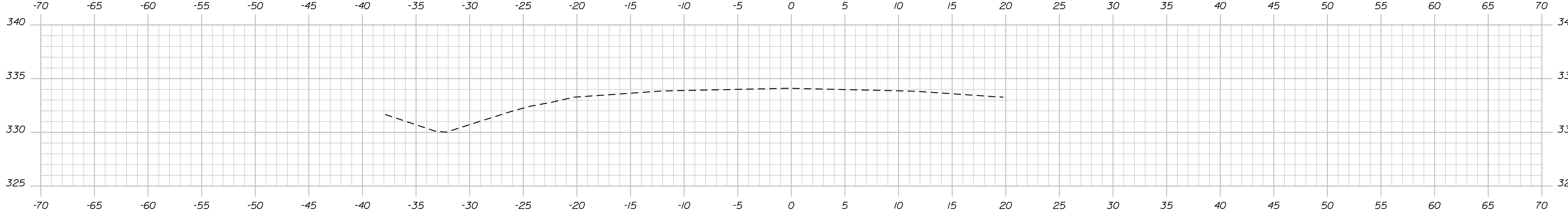
GRAY FARM BRIDGE
GRAY FARM STREAM
FRANKLIN COUNTY
NEW SHARON
CROSS SECTIONS

SHEET NUMBER
11
OF 24

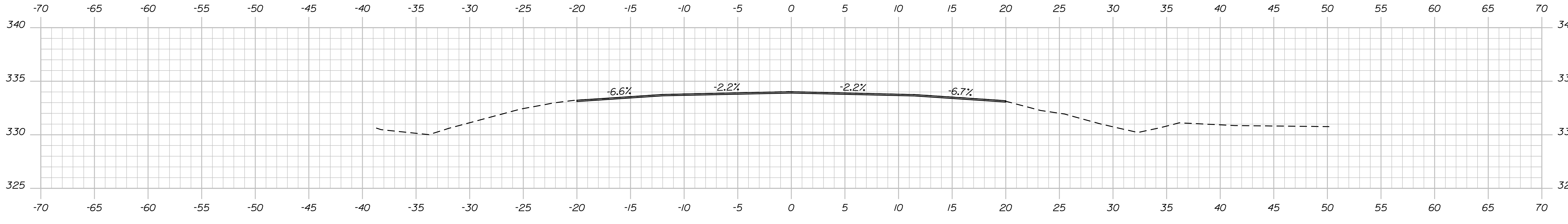
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 Date: 11/5/2018
 Division: BRIDGE



STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
19178.10		19178.10	
BRIDGE NO. 6486		WIN	
BRIDGE PLANS		BRIDGE PLANS	
PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN DETAILED	A. SHKARA	A. PARADIS	SEP 2018
CHECKED/REVIEWED	R. MYERS	M. WIGHT	OCT 2018
DESIGN DETAILED	L. KRUSINSKI	T. WHITE	SEP 2018
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
GRAY FARM BRIDGE		SIGNATURE	
GRAY FARM STREAM		P.E. NUMBER	
NEW SHARON		DATE	
FRANKLIN COUNTY			
CROSS SECTIONS			
SHEET NUMBER			
13			
OF 24			



26+25.00



26+00.00
End variable Mill and Overlay

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
19178.10
BRIDGE NO. 6486
WIN
19178.10
BRIDGE PLANS

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

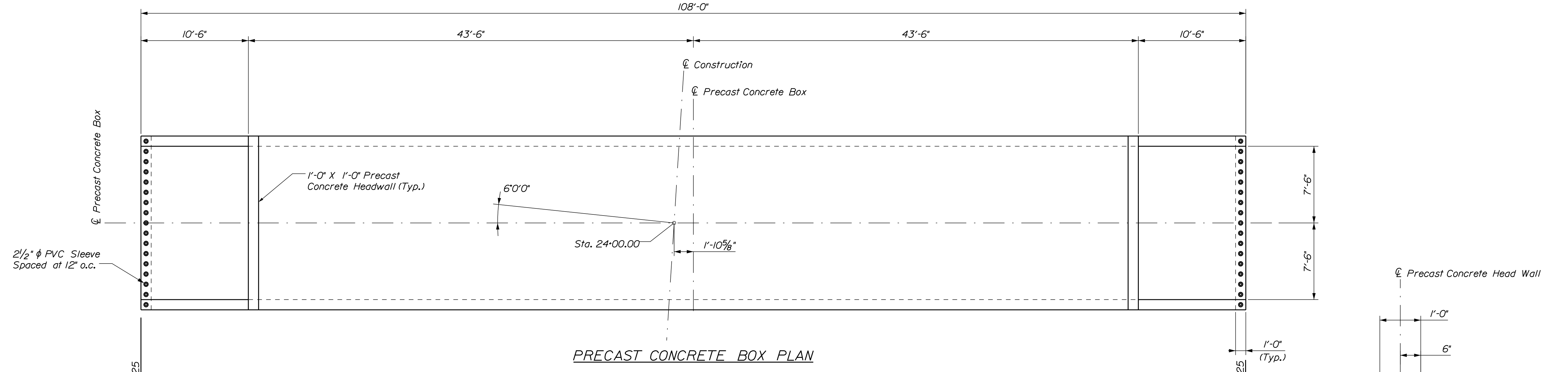
BY
A. PARADIS
M. WIGHT
T. WHITE

DATE
SEP. 2018
OCT. 2018
SEP. 2018

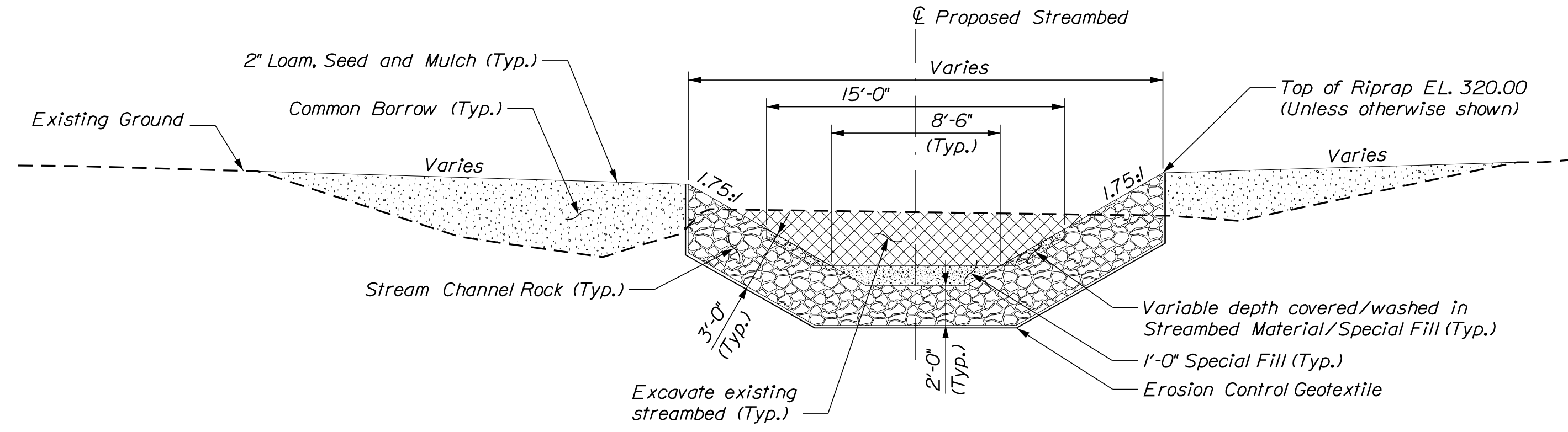
SIGNATURE
P.E. NUMBER
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GRAY FARM BRIDGE
GRAY FARM STREAM
FRANKLIN COUNTY
NEW SHARON
CROSS SECTIONS
SHEET NUMBER
14
OF 24

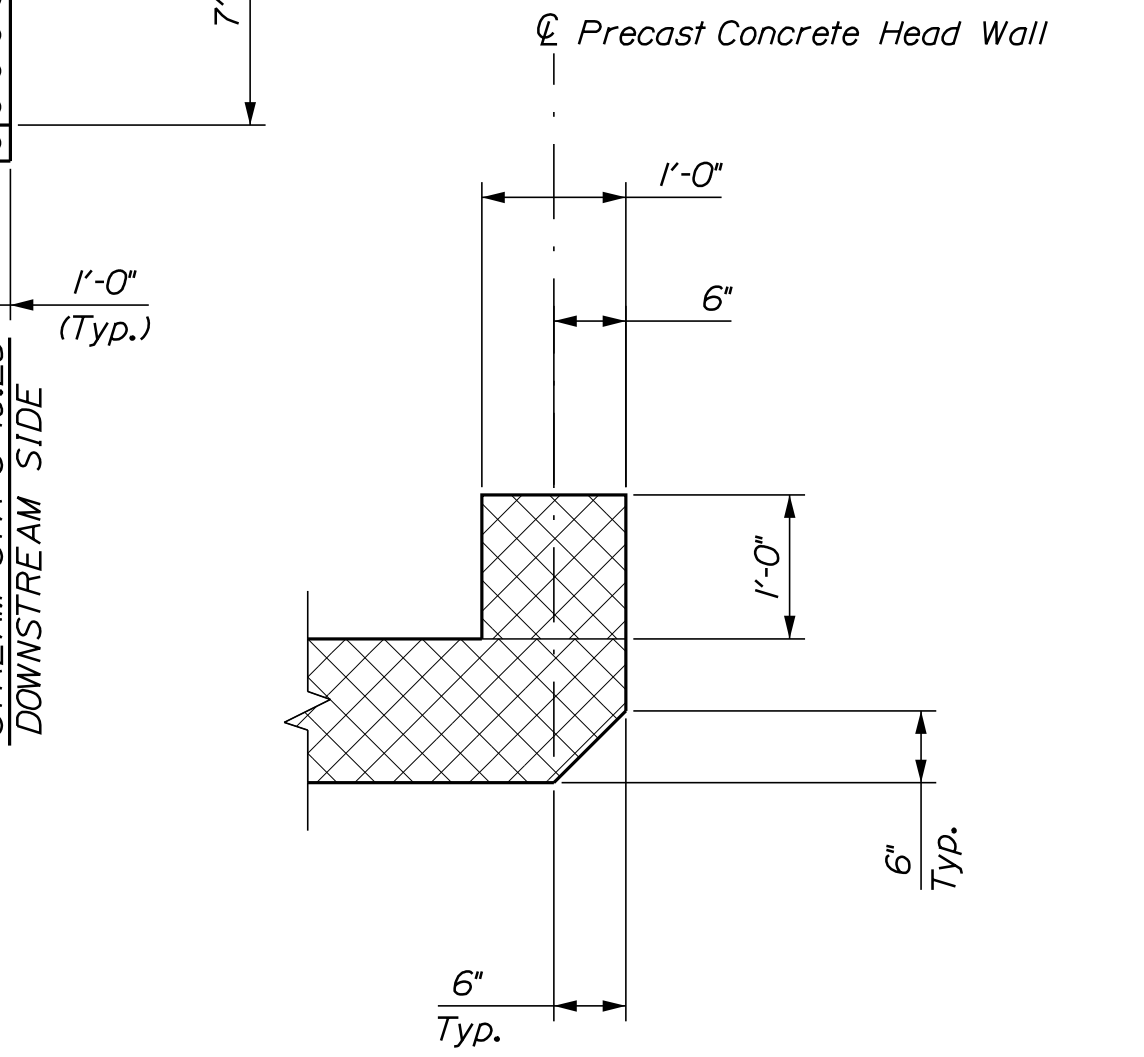
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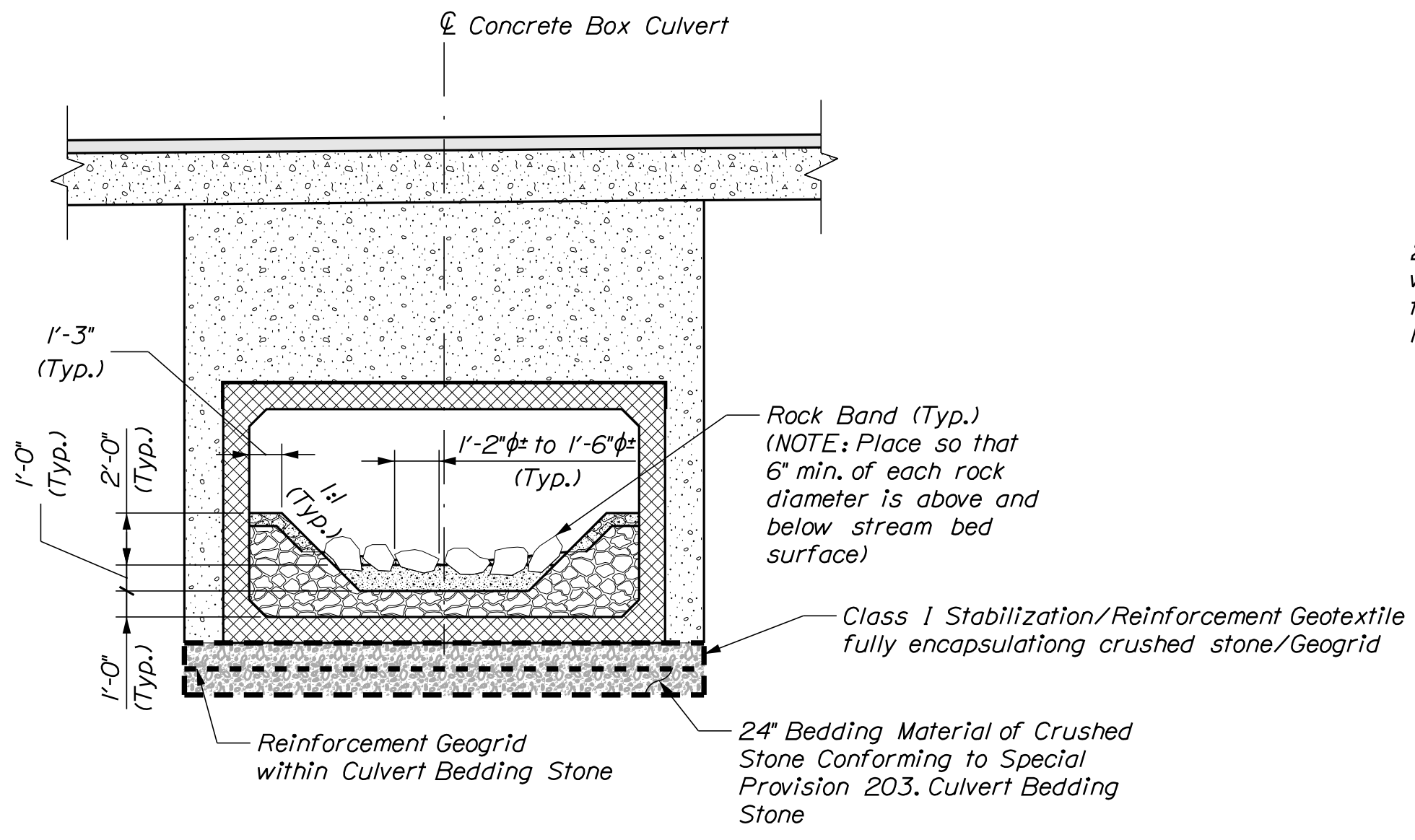
PRECAST CONCRETE BOX PLAN



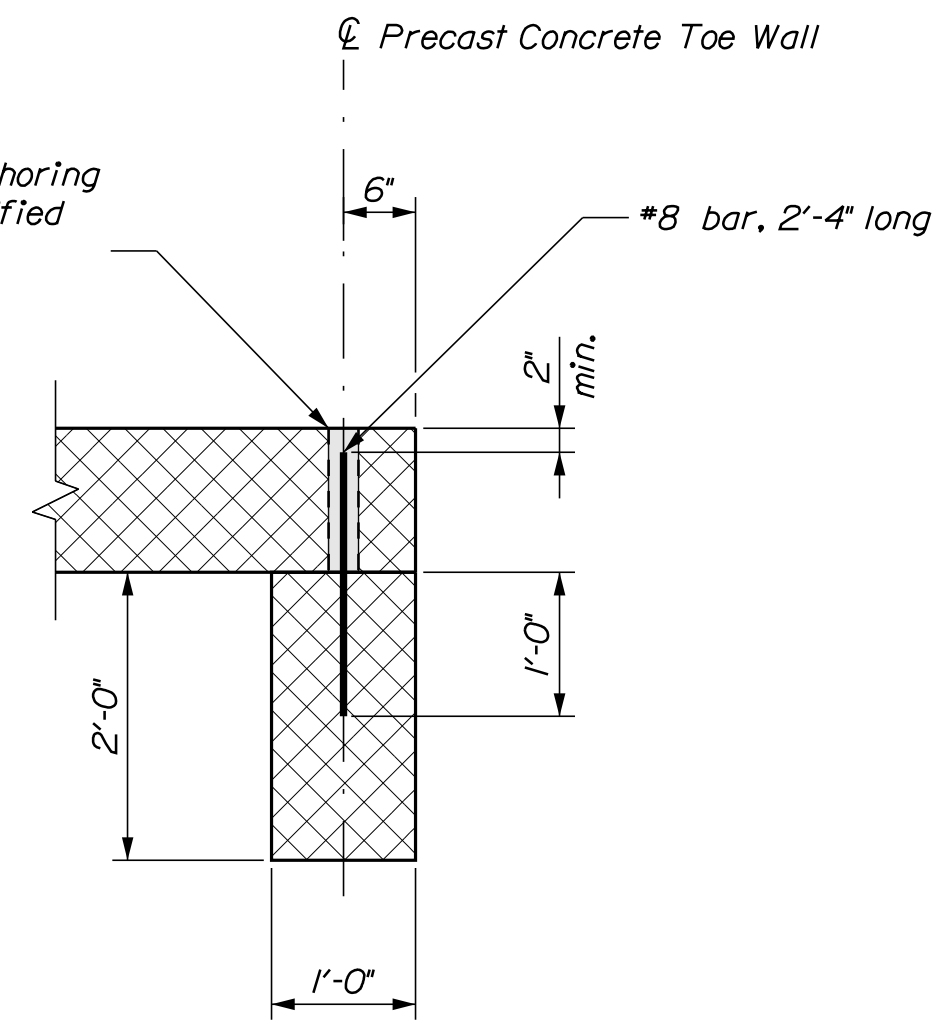
TYPICAL STREAMBED SECTION



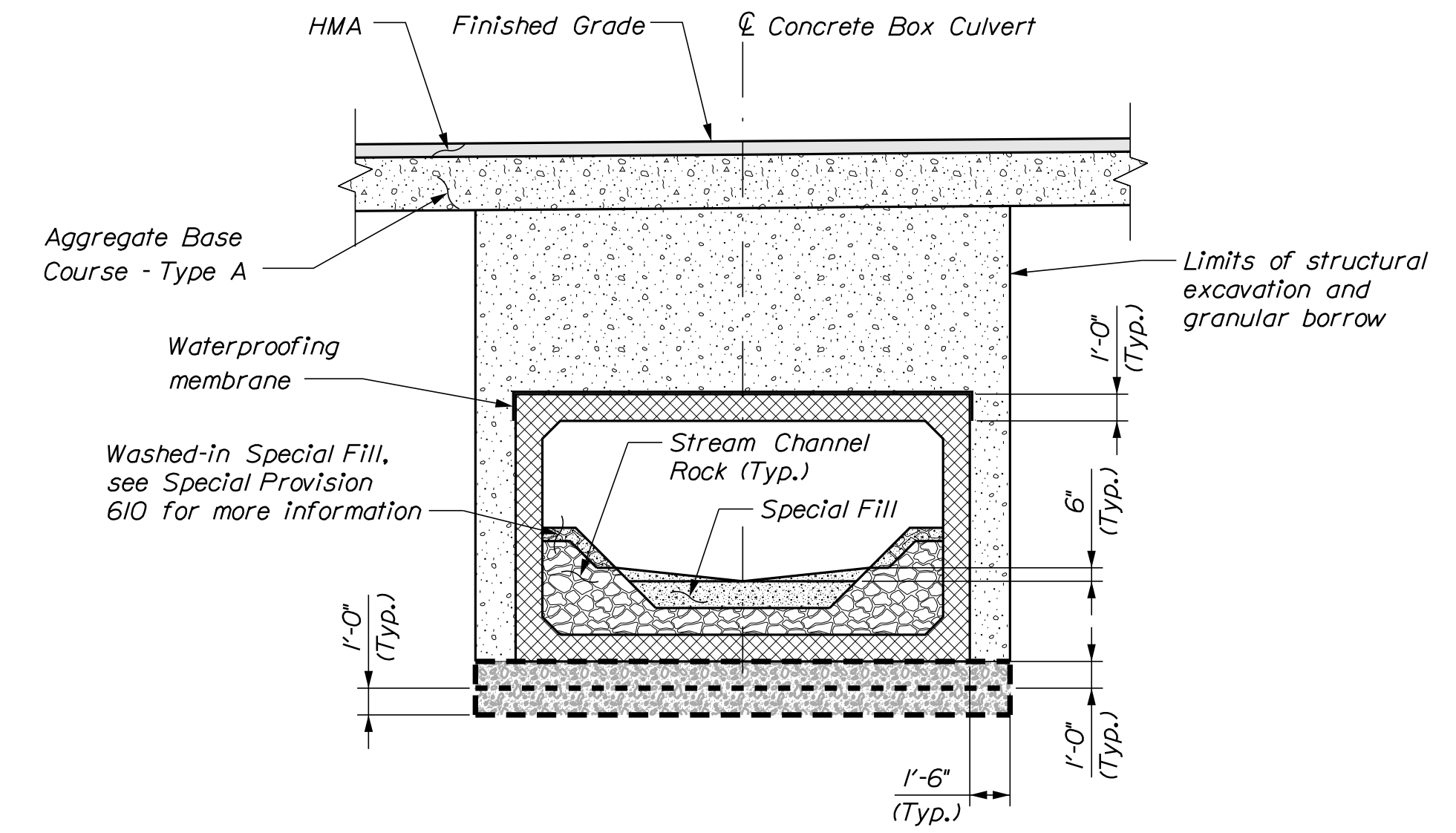
PRECAST CONCRETE HEADWALL DETAIL



TYPICAL ROCK BAND SECTION

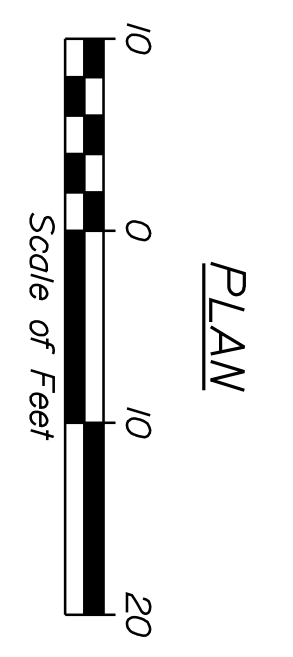
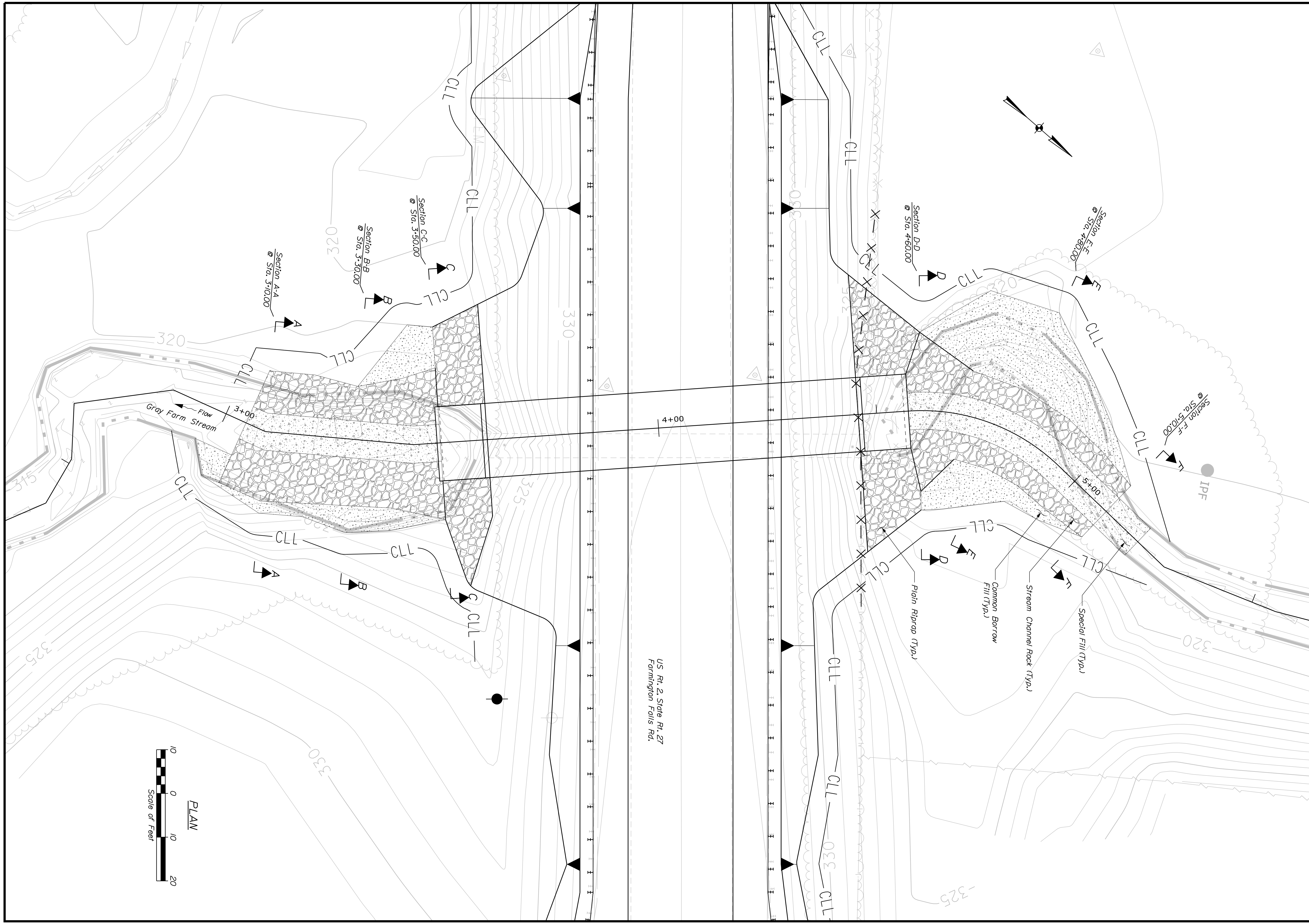


PRECAST CONCRETE TOEWALL DETAIL

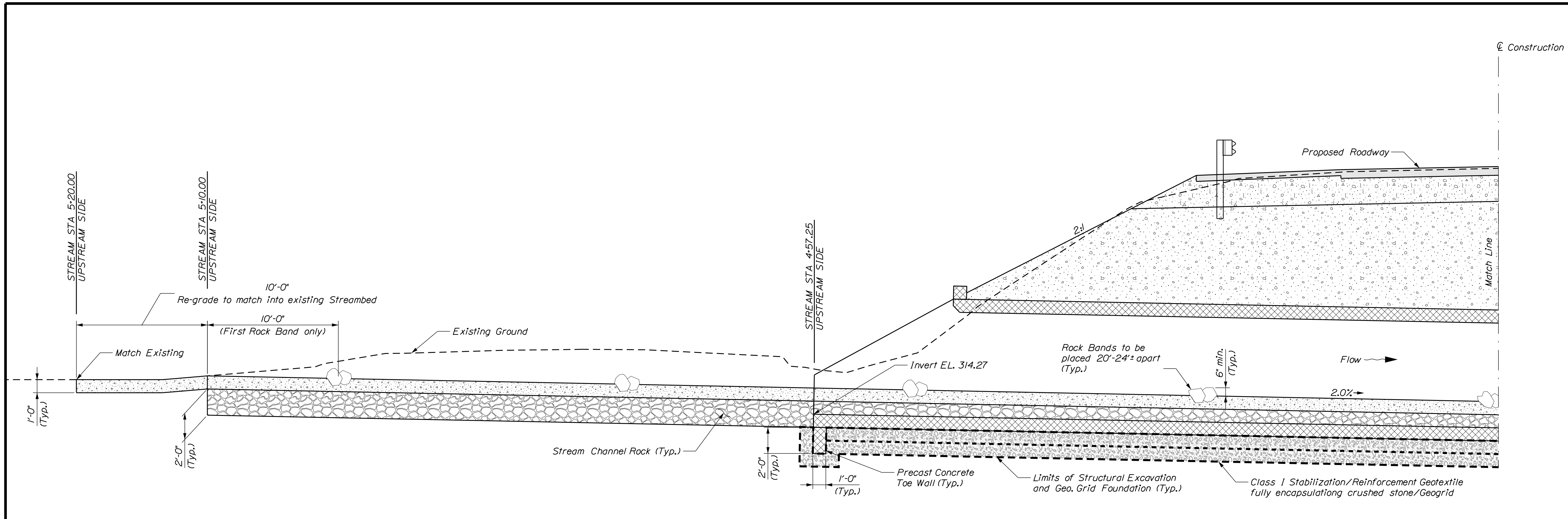


TYPICAL CONCRETE BOX SECTION

STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		BRIDGE NO. 6486		BRIDGE PLANS	
19178.10		WIN		19178.10			
PROJ. MANAGER	M. WIGHT	BY	DATE	DESIGN-DETAILED	A. SHARON	SEP. 2018	SIGNATURE
CHECKED-REVIEWED	R. MYERS	M. WIGHT	OCT. 2018	DESIGN-DETAILED	L. KRUSINSKI	SEP. 2018	P.E. NUMBER
DESIGN-DETAILED	L. KRUSINSKI	T. WHITE	SEP. 2018	REVISIONS 1			DATE
REVISIONS 2				REVISIONS 3			
REVISIONS 4				REVISIONS 4			
FIELD CHANGES							
GRAY FARM BRIDGE				FRANKLIN COUNTY			
GRAY FARM STREAM				NEW SHARON			
PRECAST CONCRETE BOX PLANS							
SHEET NUMBER							
15							
OF 24							

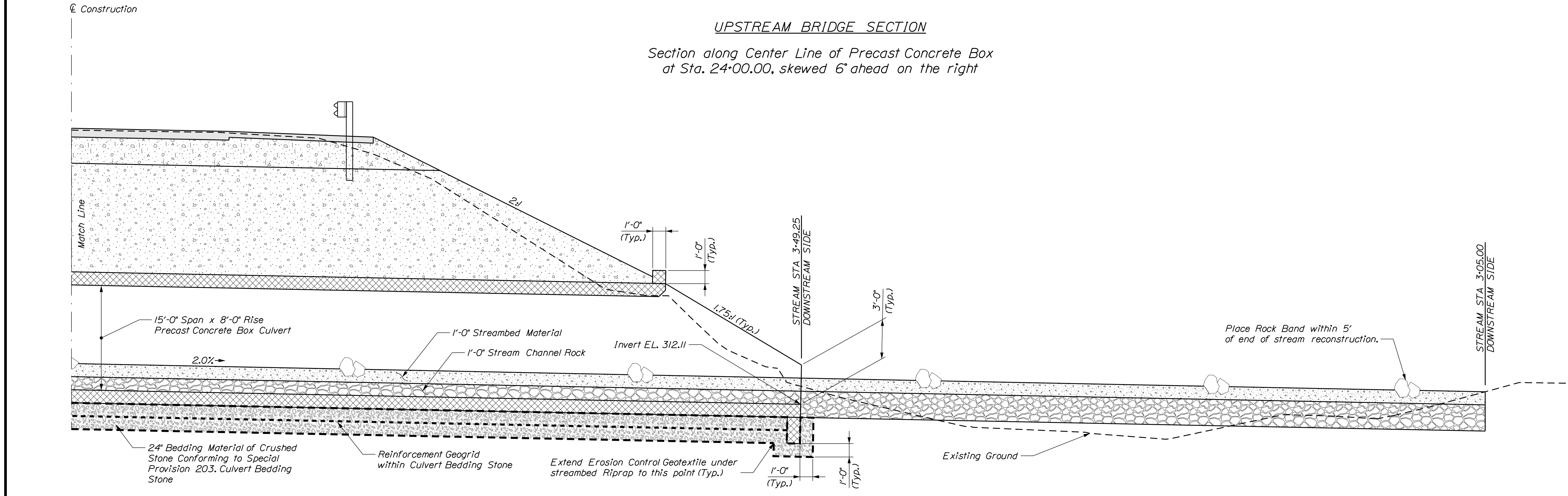


STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
19178.10		BRIDGE NO. 6486	
WIN		19178.10	
BRIDGE PLANS			
GRAY FARM BRIDGE		FRANKLIN COUNTY	
GRAY FARM STREAM		NEW SHARON	
STREAMBED PLAN		SHEET NUMBER	
16		OF 24	
PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN DETAILED	A. SHKARA	SEP 2018	SEP 2018
CHECKED/REVIEWED	R. MYERS	M. WIGHT	OCT 2018
DESIGN DETAILED	L. KRUSINSKI	T. WHITE	SEP 2018
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES		DATE	
		SIGNATURE	
		P.E. NUMBER	



UPSTREAM BRIDGE SECTION

Section along Center Line of Precast Concrete Box at Sta. 24+00.00, skewed 6° ahead on the right



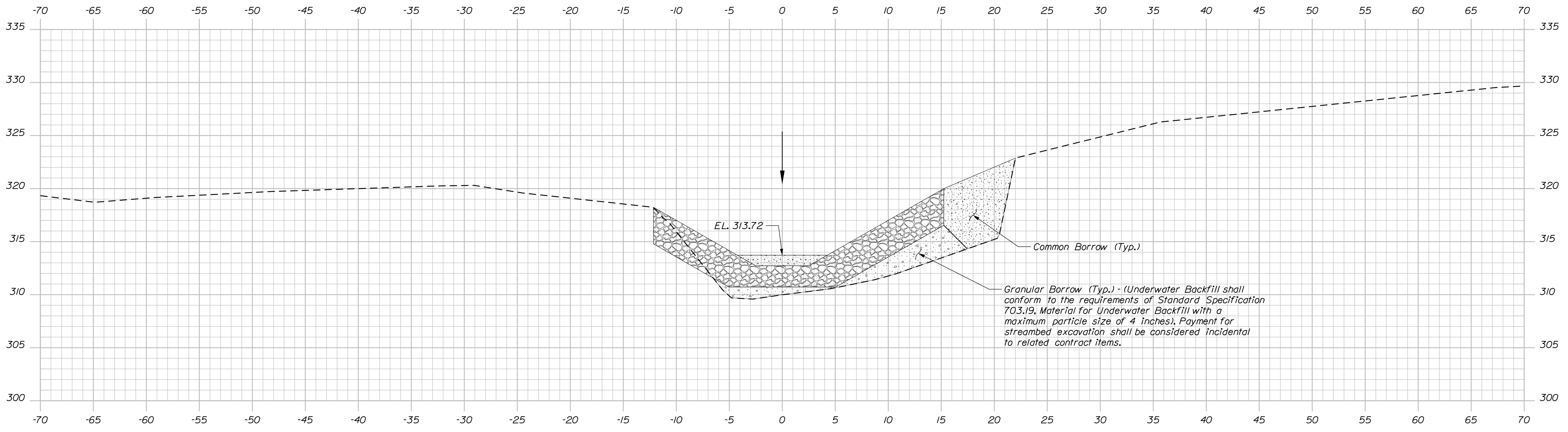
DOWNSTREAM BRIDGE SECTION

Section along Center Line of Precast Concrete Box at Sta. 24+00.00, skewed 6° ahead on the right

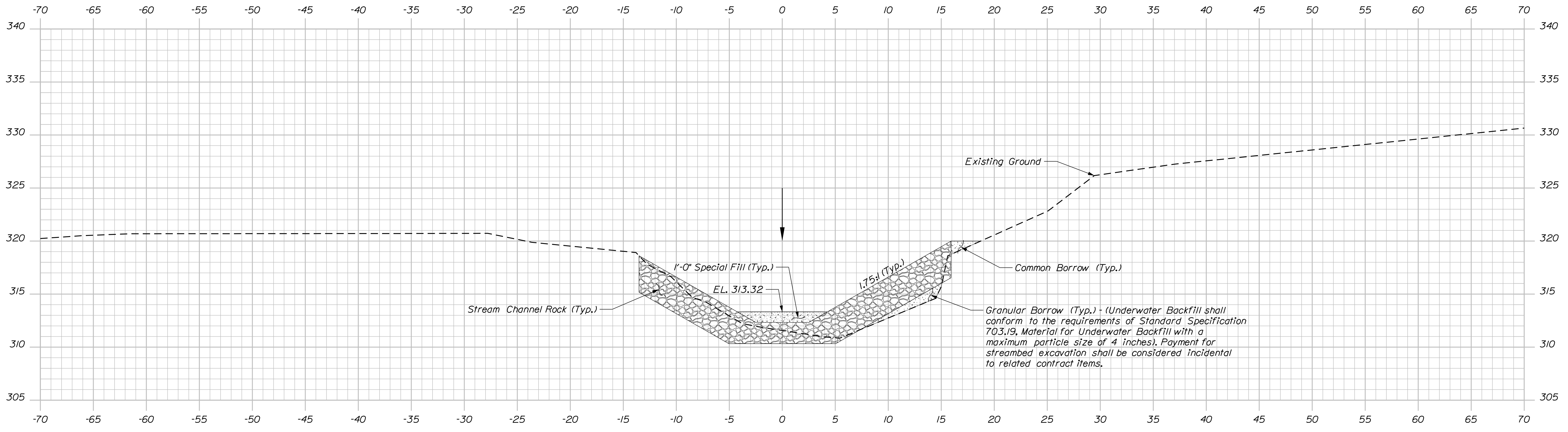
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		19178.10	
GRAY FARM BRIDGE		GRAY FARM STREAM		NEW SHARON	
FRANKLIN COUNTY		FRANKLIN COUNTY		FRANKLIN COUNTY	
STREAMBED PROFILE		SHEET NUMBER		17	
BRIDGE NO. 6486		WIN		19178.10	
BRIDGE PLANS		DATE		P.E. NUMBER	
SIGNATURE		DATE		P.E. NUMBER	
BY		DATE		P.E. NUMBER	
M. WIGHT		SEP 2018		DATE	
A. SHKARA		OCT 2018		P.E. NUMBER	
R. MYERS		SEP 2018		DATE	
L. KRUSINSKI		SEP 2018		P.E. NUMBER	
REVISIONS 1		REVISIONS 2		REVISIONS 3	
REVISIONS 4		FIELD CHANGES		DATE	

Username: armand.i.paradis Date:11/5/2018

Filename: ... \018_XSECT_Streambed_Cross_Section\idgion: BRIDGE



Section B-B, STA. 3+30.00



Section A-A, STA. 3+10.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
19178.10
WIN
19178.10
BRIDGE NO. 6486
BRIDGE PLANS

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

M. WIGHT
A. SHKARA
R. MYERS
L. KRUSINSKI
T. WHITE

BY
A. PARADIS
M. WIGHT
T. WHITE

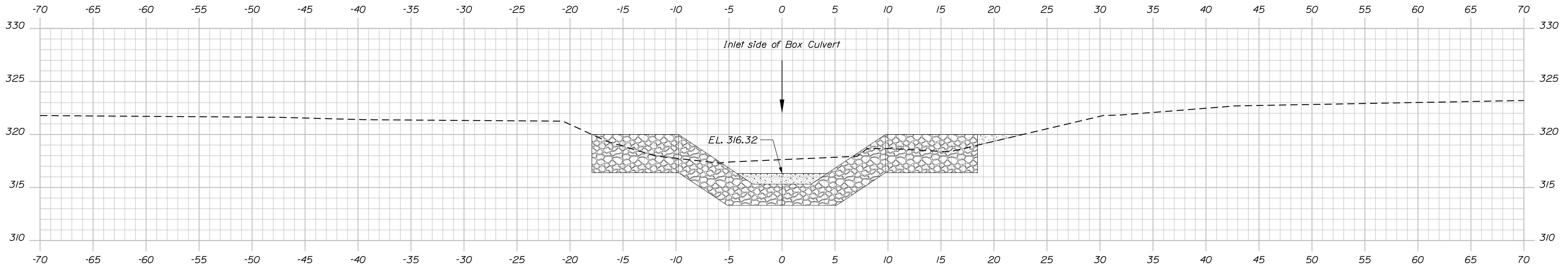
DATE
SEP 2018
OCT 2018
SEP 2018

SIGNATURE
P.E. NUMBER
DATE

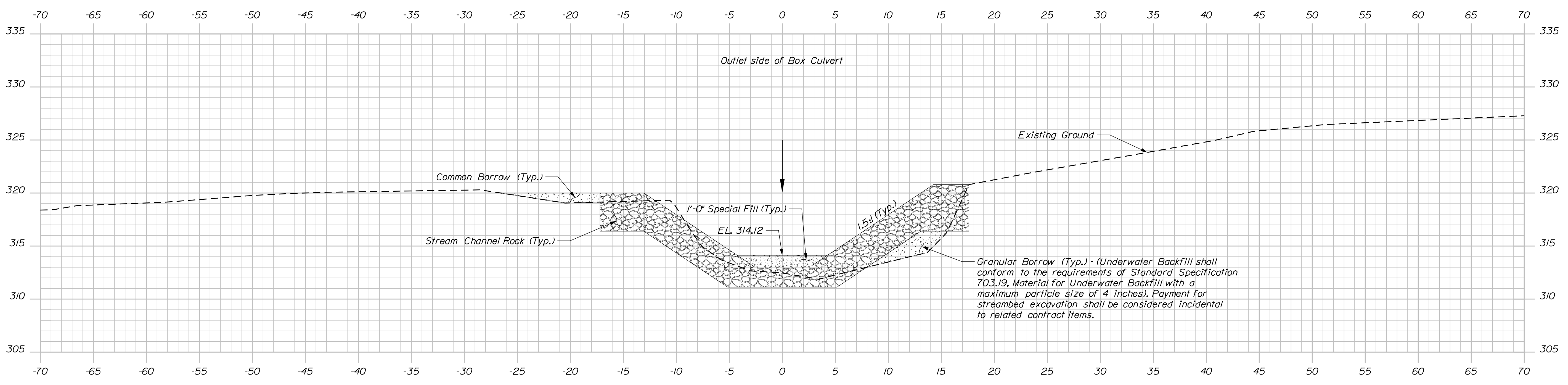
GRAY FARM BRIDGE
GRAY FARM STREAM
FRANKLIN COUNTY
NEW SHARON
STREAMBED CROSS SECTIONS

SHEET NUMBER
18
OF 24

Filename: ... \019_XSECT_Streambed_Cross_Section.dgn: BRIDGE
 Username: armand.i.paradis Date: 11/5/2018



Section D-D, STA. 4+60.00



Section C-C, STA. 3+50.00

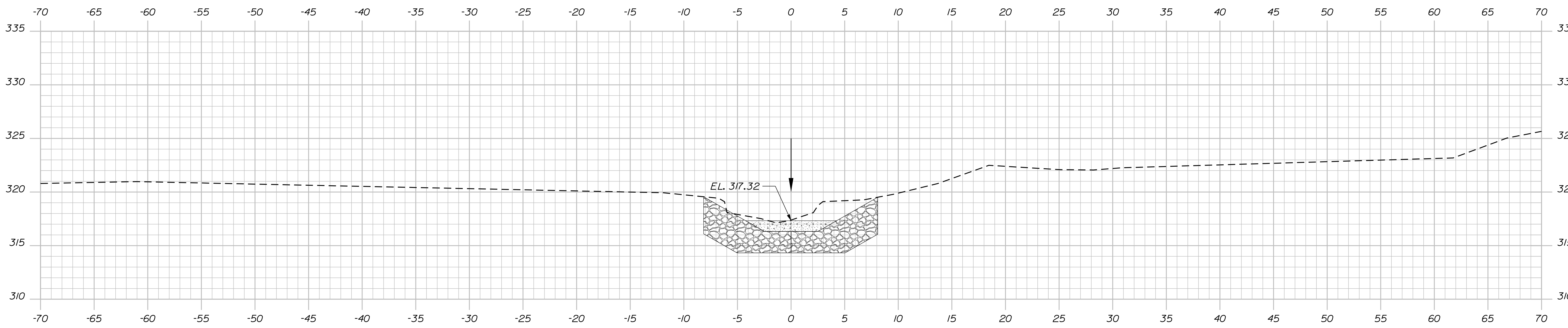
STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 19178.10
 WIN
 19178.10
 BRIDGE NO. 6486
 BRIDGE PLANS

PROJ. MANAGER	BY	DATE
DESIGN-DETAILED	M. WIGHT	SEP 2018
CHECKED-REVIEWED	A. PARADIS	SEP 2018
DESIGN-DETAILED	R. MYERS	OCT 2018
DESIGN-DETAILED	L. KRUSINSKI	SEP 2018
REVISIONS 1		
REVISIONS 2		
REVISIONS 3		
REVISIONS 4		
FIELD CHANGES		

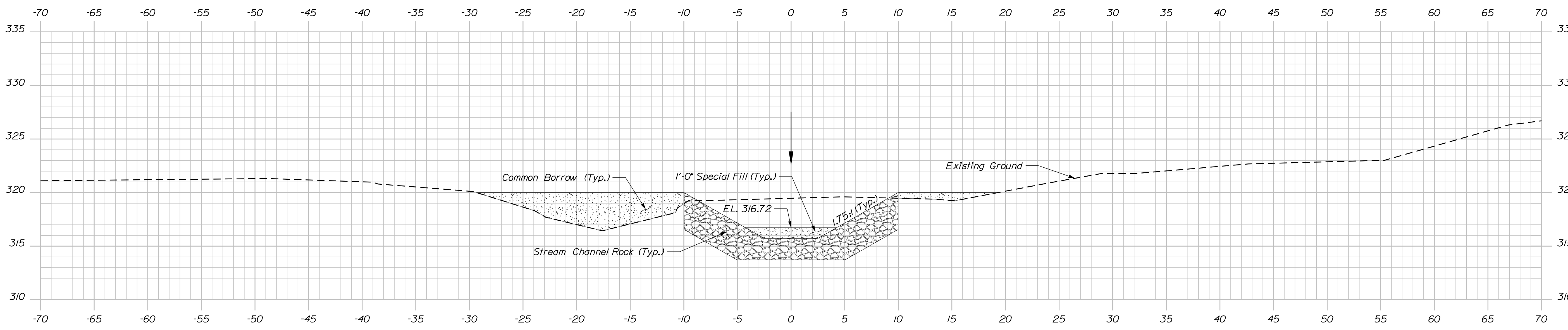
SIGNATURE	P.E. NUMBER	DATE

GRAY FARM BRIDGE
 GRAY FARM STREAM
 FRANKLIN COUNTY
 NEW SHARON
 STREAMBED CROSS SECTIONS

SHEET NUMBER
 19
 OF 24



Section F-F, STA. 5+10.00



Section E-E, STA. 4+80.00

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 19178.10
 WIN
 19178.10
 BRIDGE NO. 6486
 BRIDGE PLANS

PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN DETAILED	A. SHKARA	A. PARADIS	SEP. 2018
CHECKED/REVIEWED	R. MYERS	M. WIGHT	OCT. 2018
DESIGN DETAILED	L. KRUSINSKI	T. WHITE	SEP. 2018
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			

SIGNATURE	P.E. NUMBER	DATE

GRAY FARM BRIDGE
 GRAY FARM STREAM
 FRANKLIN COUNTY
 NEW SHARON
 STREAMBED CROSS SECTIONS

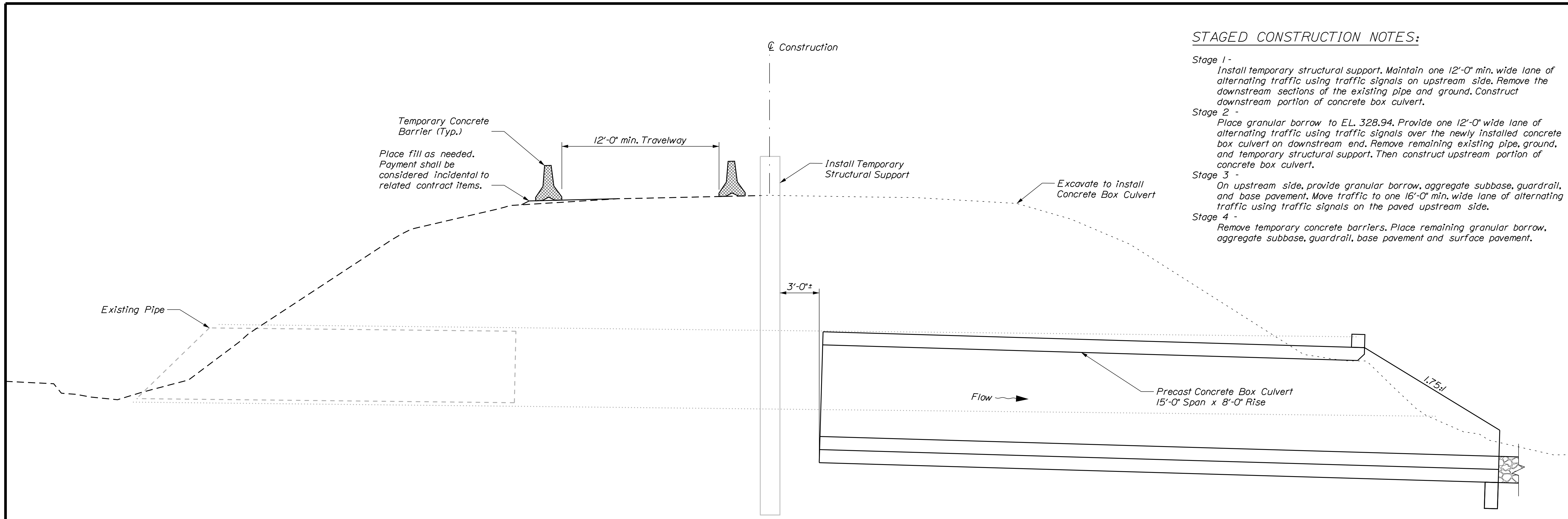
SHEET NUMBER
 20
 OF 24

Date: 11/5/2018

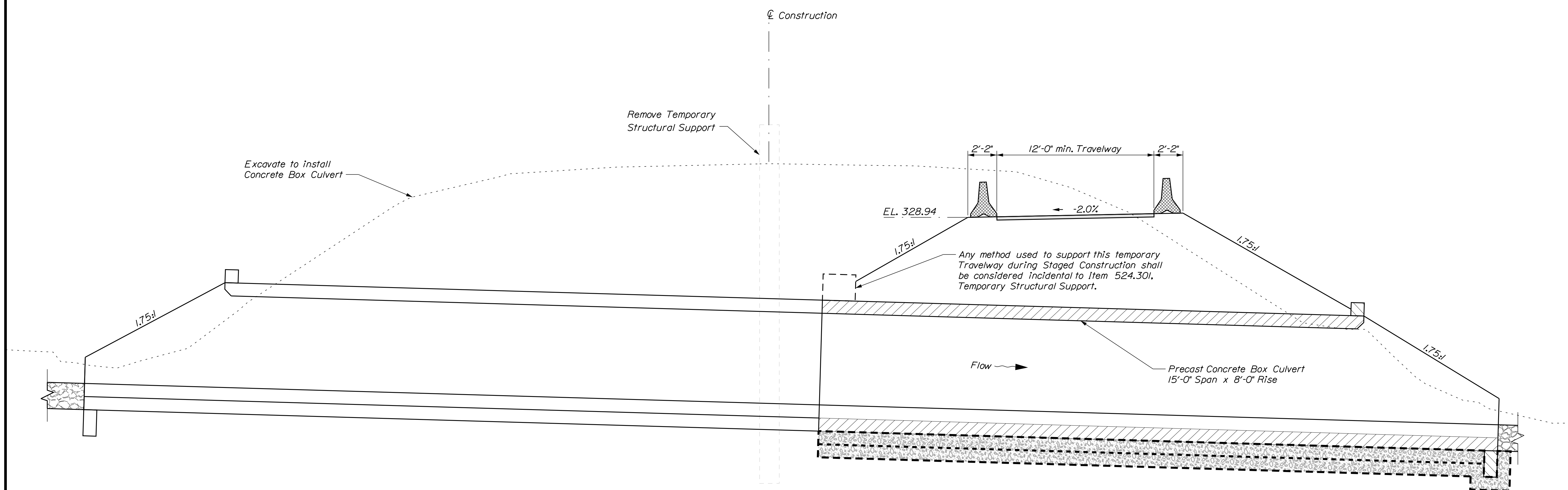
Username: armand.j.paradis

Division: BRIDGE

Filename: ... \MSTA\021_StageConstr.dgn



STAGE No. 1



STAGE No. 2

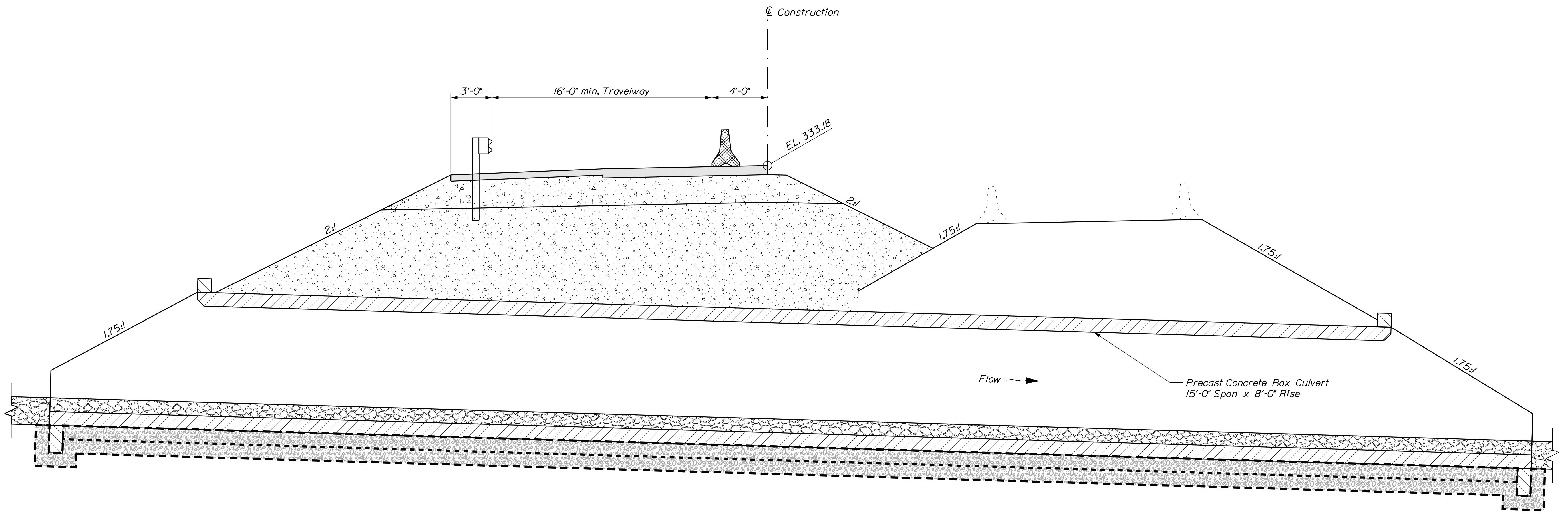
STAGED CONSTRUCTION NOTES:

- Stage 1 - Install temporary structural support. Maintain one 12'-0" min. wide lane of alternating traffic using traffic signals on upstream side. Remove the downstream sections of the existing pipe and ground. Construct downstream portion of concrete box culvert.
- Stage 2 - Place granular borrow to EL. 328.94. Provide one 12'-0" wide lane of alternating traffic using traffic signals over the newly installed concrete box culvert on downstream end. Remove remaining existing pipe, ground, and temporary structural support. Then construct upstream portion of concrete box culvert.
- Stage 3 - On upstream side, provide granular borrow, aggregate subbase, guardrail, and base pavement. Move traffic to one 16'-0" min. wide lane of alternating traffic using traffic signals on the paved upstream side.
- Stage 4 - Remove temporary concrete barriers. Place remaining granular borrow, aggregate subbase, guardrail, base pavement and surface pavement.

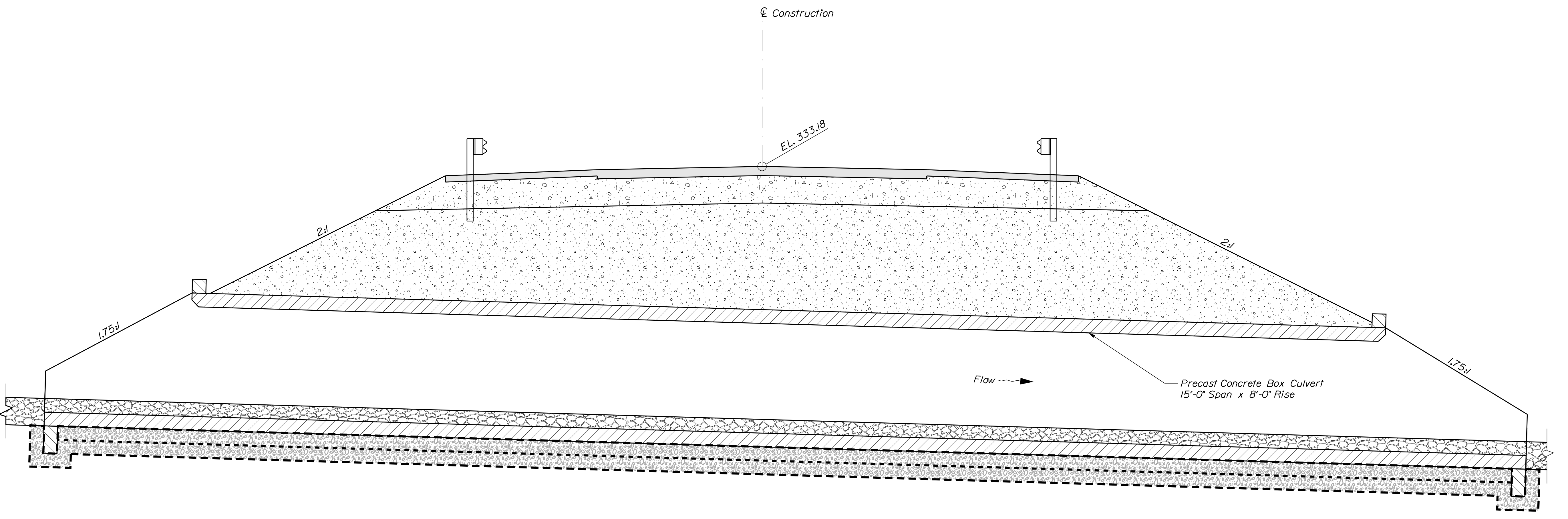
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		19178.10		BRIDGE NO. 6486		BRIDGE PLANS	
GRAY FARM BRIDGE		FRANKLIN COUNTY		NEW SHARON		STAGED CONSTRUCTION,		SHEET 1 OF 2	
SHEET NUMBER		21		OF 24		WIN		19178.10	
PROJ. MANAGER	M. WIGHT	BY	DATE	CHECKED	DATE	SIGNATURE	P.E. NUMBER	DATE	
DESIGN DETAILED	A. SHKARA	A. PARADIS	SEP. 2018						
CHECKED/REVIEWED	R. MYERS	M. WIGHT	OCT. 2018						
DESIGN DETAILED	L. KRUSINSKI	T. WHITE	SEP. 2018						
REVISIONS	1								
REVISIONS	2								
REVISIONS	3								
REVISIONS	4								
FIELD CHANGES									

Filename: ... \MSTA\022_StageConstr.dgn Username: armand.i.paradis Date: 11/5/2018

Division: BRIDGE



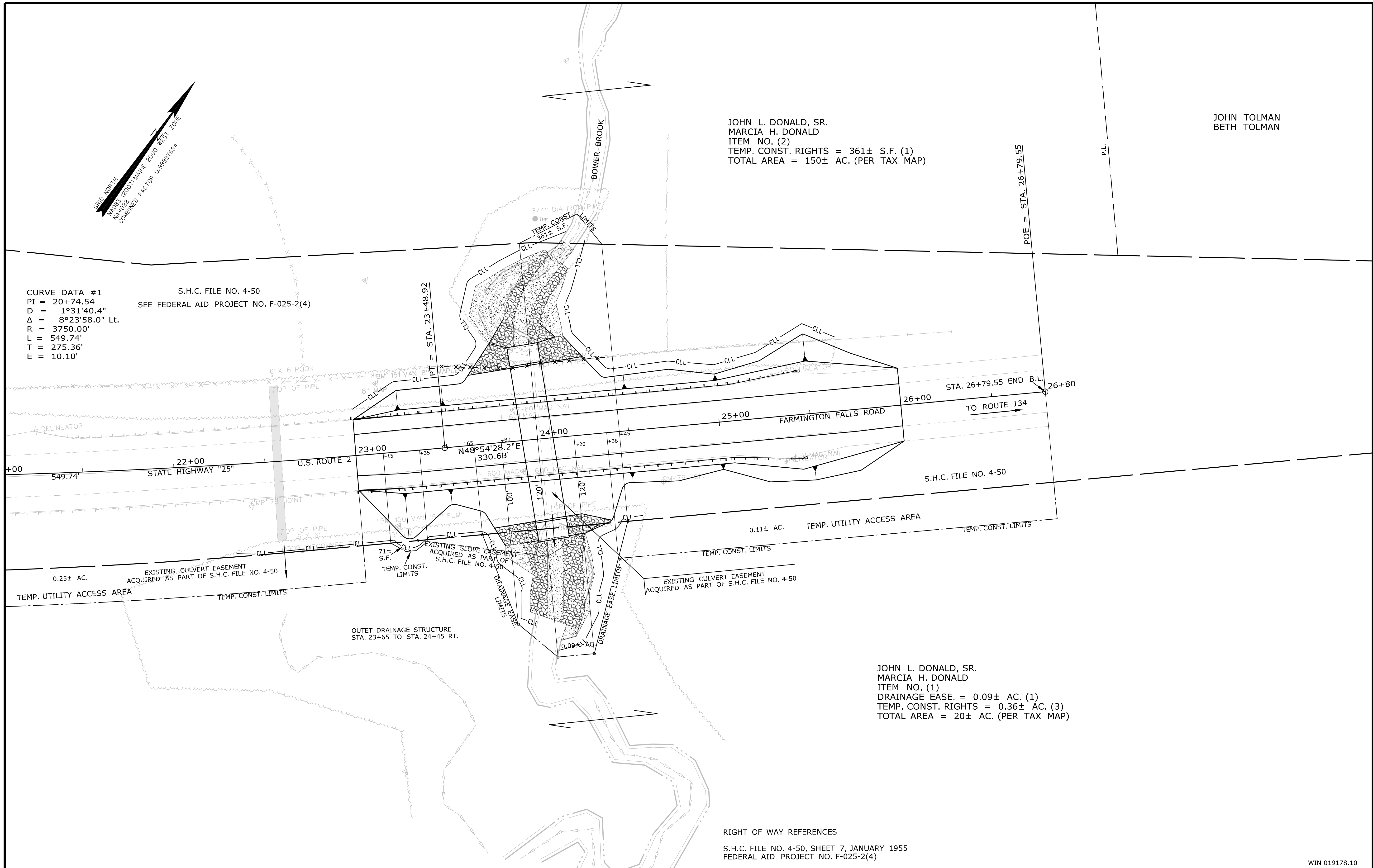
STAGE No. 3



STAGE No. 4

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		19178.10	
BRIDGE NO. 6486		WIN 19178.10	
BRIDGE PLANS			
	BY	DATE	
DESIGN DETAILED	A. SHKARA	SEP 2018	SIGNATURE
CHECKED/REVIEWED	R. MYERS	OCT 2018	P.E. NUMBER
DESIGN DETAILED	L. KRUSINSKI	SEP 2018	DATE
REVISIONS 1			
REVISIONS 2			
REVISIONS 3			
REVISIONS 4			
FIELD CHANGES			
GRAY FARM BRIDGE GRAY FARM STREAM FRANKLIN COUNTY NEW SHARON STAGED CONSTRUCTION, SHEET 2 OF 2			
SHEET NUMBER			
22			
OF 24			

Filename: ... \10\ROW\MSTA\002_RWPLAN2.dgn Division: BRIDGE Date: 11/5/2018 Username: armand.i.paradis



SYMBOLS

●	IP or PIP (IRON PIPE OR PIN FOUND)
○	WELL
□	S.T. (SEPTIC TANK)
△	BM (TRAVEL POINT)
—	GRAVING LIMIT LINE
—	CONSTRUCTION LIMIT LINE
—	PROPERTY LINE
—	LIMITS OF WROUGHT PORTION (L.O.W.P.)
—	EXISTING RIGHT OF WAY
—	NEW RIGHT OF WAY
—	NEW ROW WITHIN EXIST. ROW
—	CONTROL OF ACCESS
—	WATER LINE
—	GAS LINE
—	ELECTRIC LINE
—	TELEPHONE LINE
—	SEWER LINE

ITEM	TECH	CHECKED
BASE MAP		
EXIST. R/W	PNS	
PROP. LINES	PNS	
AREAS		

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
 16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016
NEW SHARON
RIGHT OF WAY MAP

NO.	DATE	REVISIONS DESCRIPTION	BY	PLAN FILED IN PLAN BOOK		COUNTY RECORD				
				NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE	
						COND.	10/15/18	4038	16	

DAVID BERNHARDT
 COMMISSIONER
 JOYCE NOEL TAYLOR
 CHIEF ENGINEER
 DATE

STATE HIGHWAY "25"
 U.S. ROUTE 2 FARMINGTON FALLS ROAD
NEW SHARON FRANKLIN COUNTY
 STATE PROJECT NO. 19178.10

JUNE 2018
 SCALE 1" = 25'

RIGHT-OF-WAY MAP
 SHEET 2 OF 2

D.O.T. FILE NO. 4-271

SHEET NUMBER
24
 OF 24

WIN 019178.10