STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPECIFICATIONS

Design: Load and Resistance Factor Design per AASHTO LRFD Bridge Design Specifications, Eighth Edition, 2017.

DESIGN LOADING

Live Load ..... HL - 93 Modified for Strength I

TRAFFIC DATA

Current (2018) AADT	3,800
Future (2038) AADT	4,560
DHV - % of AADT	14
Design Hour Volume	638
% Heavy Trucks (AADT)	22
% Heavy Trucks (DHV)	22
Directional Distribution (% of DHV)	66
18 kip Equivalent P 2.0	678
18 kip Equivalent P 2.5	646
Design Speed (mph)	50

HYDROLOGIC DATA

Drainage Area	3.28 SQ. MI
Discharge (Q1.1)	64 CFS
Discharge (Q25)	355 CFS
Design Discharge (Q50)	417 CFS
Check Discharge (Q100)	488 CFS
Headwater Elevation (Q1.1)	200.55 FT
Headwater Elevation (Q25)	203.29 FT
Headwater Elevation (Q50)	203.63 FT
Headwater Elevation (Q100)	204.00 FT
Discharge Velocity (Q1.1)	4.34 FPS
Discharge Velocity (Q25)	8.28 FPS
Discharge Velocity (Q50)	8.76 FPS
Discharge Velocity (Q100)	9.24 FPS

MATERIALS

Concrete:	
Precast Elements	Class "P"
All Other	Class "A"
Reinforcing Steel	ASTM A615/A615M, Grade 60
Welded Wire Reinforcement	ASTM A1064/A1064M

BASIC DESIGN STRESSES

Concrete (Class "A")	f'c = 4,000 psi
Precast Concrete (Class "P")	f'c = 5,000 psi
Reinforcing Steel	f y = 60,000 psi
Welded Wire Reinforcing	f y = 65,000 psi min.

AMHERST
HANCOCK COUNTY
HALF MILE POND BROOK BRIDGE
OVER
HALF MILE POND BROOK
ROUTE 9
FEDERAL AID PROJECT NO. STP-2187(000)
PROJECT LENGTH 0.17 mi
BRIDGE NO. 6246

LIST OF DRAWINGS

UTILITIES

Emera Maine
Union Telephone

MAINTENANCE OF TRAFFIC

Bridge will be closed to traffic with traffic detoured onto a single lane Special Detour upstream of existing culvert during construction.

PROJECT LOCATION	In Amherst on Route 9, approximately 0.05 Miles east of Haynes Brook Road. Latitude 44° 49'27.62" N Longitude 68° 24'17.24" W
PROGRAM AREA	Highway Bridges - Traditional
OUTLINE OF WORK	Replace existing steel plate pipe arch with a Precast Concrete Box Culvert and repave 220' of roadway including 120' full depth construction.

STP-2187(000) WIN 021870.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED — DATE 5/19/2020
COMMISSIONER: [signature]
CHIEF ENGINEER: [signature] — DATE 5-19-2020

PROJECT INFORMATION

PROGRAM	BRIDGE
PROJECT MANAGER	JASON STETSON
DESIGNER	ADAM STOCKIN
CONSULTANT	WSP
PROJECT RESIDENT	
CONTRACTOR	

STATE OF MAINE — LICENSED PROFESSIONAL ENGINEER — ADAM M. STOCKIN — 12082 — SIGNATURE — DATE 5/12/2020

AMHERST
HALF MILE POND BROOK BRIDGE

TITLE SHEET

SHEET NUMBER 1 OF 14

Date:5/12/2020 Username: Division: BRIDGE Filename:\cadd\001_TITLE.dgn

ESTIMATED QUANTITIES

ITEM NO.	ITEM DESCRIPTION		QUANTITY	UNIT
202.202	Removing Pavement Surface		400	SY
203.20	Common Excavation		450	CY
203.24	Common Borrow		60	CY
203.25	Granular Borrow		660	CY
203.33	Special Fill		170	CY
206.061	Structural Earth Excavation – Drainage & Min. Structures		120	CY
304.10	Aggregate Subbase Course – Gravel		410	CY
403.2081	Hot Mix Asphalt – 12.5 MM (Polymer Modified)		95	TON
403.209	Hot Mix Asphalt 9.5 mm (Incidentals)		25	TON
403.213	Hot Mix Asphalt 12.5 MM Base		120	TON
403.2131	12.5 MM Polymer Modified HMA Base		100	TON
409.15	Bituminous Tack Coat – Applied		160	GAL
461.131	Temporary Pavement		465	TON
508.13	Sheet Waterproofing Membrane	(230 SY)	1	LS
510.10	Special Detour, 26' Roadway Width Veh. & Ped. Traf. Not Sep.		1	LS
511.07	Cofferdam: Upstream		1	LS
511.07	Cofferdam: Downstream		1	LS
515.21	Protective Coating for Concrete Surfaces	(100 SY)	1	LS
526.301	Temporary Concrete Barrier – Type I	(80 LF)	1	LS
527.34	Work Zone Crash Cushions		4	UN
534.7101	Precast Concrete Box Culvert – State Supplied	(269 CY)	1	LS
606.1301	31" W-Beam GR, Mid-Way Splice Single Face		800	LF
606.1304	31" W-Beam Guardrail – Mid-Way Splice (Over 15' Radius)		88	LF
606.1305	31" W-Beam Guardrail – Mid-Way Splice , Flared Terminal		1	EA
606.353	Reflectorized Flexible Guardrail Marker		12	EA
610.08	Plain Riprap		80	CY
610.16	Heavy Riprap		220	CY
610.18	Stone Ditch Protection		10	CY
610.210	Stream Channel Rock		120	CY
610.2121	Streambed Rock Features	(25 CY)	1	LS
613.319	Erosion Control Blanket		500	SY
615.07	Loam		35	CY
618.141	Seeding Method Number 3		6	UN
619.12	Mulch		6	UN
619.14	Erosion Control Mix		50	CY
620.58	Erosion Control Geotextile		420	SY
621.044	Evergreen Trees Group B 6'–8' B&B		10	EA
621.050	Evergreen Trees Group B 8'–10' B&B		10	EA
627.18	12" Solid White Pavement Marking		30	LF
627.733	4" White or Yellow Painted Pavement Marking Line		1400	LF
627.77	Removing Pavement Markings		200	SF
627.78	Temp 4" Paint Pavement Marking Line White or Yellow		2000	LF
629.05	Hand Labor, Straight Time		10	HR
631.12	All Purpose Excavator (Including Operator)		10	HR
631.131	Small Bulldozer-Grader (Including Operator)		10	HR
631.15	Roller Earth Base Course (Including Operator)		10	HR
631.172	Truck – Large (Including Operator)		10	HR
639.19	Field Office Type B		1	EA
643.72	Temporary Traffic Signal		1	LS
652.312	Type III Barricade		6	EA
652.33	Drum		50	EA
652.34	Cone		50	EA
652.35	Construction Signs		500	SF
652.361	Maintenance of Traffic Control Devices	(100 CD)	1	LS
652.38	Flagger		1120	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

1. For easements, construction limits, and right-of-way lines, refer to Right of Way Map.

2. 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.

3. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.

4. Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Resident.

5. 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.

6. Place plain riprap on sideslopes up to the concrete headwalls.

7. All embankment material, except as otherwise shown, shall be Granular Borrow meeting the requirements of Subsection 703.19, Material for Underwater Backfill with the additional requirement that the maximum particle size be limited to 4 inches.

8. Stones which cannot be rolled or compacted into the surface of the shoulder shall be removed by hand raking. Payment for hand raking will be considered incidental to Pay Item 304.10, Aggregate Subbase Course - Gravel.

9. Place loam 2 inches deep on all new or reconstructed side slopes or as directed by the Resident.

10. 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 619.14 Erosion Control Mix

11. Place a 24-in. wide strip of Temporary Erosion Control Blanket on the sideslopes along the backside of the guardrail and directly above the riprap.

12. 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.

13. 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.

14. A MASH compliant guardrail end treatment shall be installed concurrently with the placement of each section of beam guardrail.

15. Project information referred to below may be accessed at the following MaineDOT web address: http://www.maine.gov/mdot/contractors/

16. 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.

17. 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.

18. The project geotechnical report titled: Preliminary Design Report, Explorations and Geotechnical Engineering Services, Half Mile Pond Brook Bridge #6246 Replacement, Route 9 Over Half Mile Brook, Amherst Maine WIN 21187000, may be accessed at the MaineDOT website.

19. Geotechnical information furnished or referred to in this plan set is for the use of the Bidders and the Contractors. 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 Contractors 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.

20. 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:
    a. If a Lump Sum pay item is eliminated, the requirements of Standard Specifications Section 109.2, Elimination of Items, will take precedence.
    b. If other Contract Documents specifically allow a change in payment for a Lump Sum pay item, those requirements will be followed.
    c. 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.

21. The Contractor shall take care to minimize tree cutting within the clearing limits for Property #1 Malcolm Hunter and Aram Calhoun. Cut only those trees that are necessary for construction of the Special Detour. For every two trees having a trunk diameter at breast height (DBH) of 4" or more that are cut, one tree shall be replanted or as directed by the Resident. Payment shall be made under Item No. 621.047 Evergreen Trees Group B 6' - 8' B&B or Item No. 621.050 Evergreen Trees Group B 8' - 10' B&B.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 021870

BRIDGE NO. 6246

BRIDGE PLANS

PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN-DETAILED	ERC	ERC	2/2020
CHECKED-REVIEWED	AMS	AMS	2/2020
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK
AMHERST HANCOCK COUNTY

ESTIMATED QUANTITIES
AND GENERAL CONSTRUCTION NOTES

SHEET NUMBER

2

OF 14

Filename: ...\cadd\002_GeneralNotes.dgn Division: BRIDGE Username: Date:5/18/2020

CURVE DATA #1
PI = 41+81.56
D = 2°12'28.9"
Δ = 8°00'17.0" Lt.
R = 2594.89'
L = 362.53'
T = 181.56'
E = 6.34'

PC = STA. 40+00.00

PT = STA. 43+62.53

Sta. 41+71.00
Limit of Work
Begin Project

Sta. 50+89.00
Limit of Work
End Project

℄ Sta. 45+57.16
Precast Box
Culvert

Half Mile Pond Brook

Flow

W-Beam Guardrail
Mid-way Splice
(8' Posts) (Typ.)

Existing
15" CPP

R 16.00'

Ex. Utility
Pole (Typ.)

Match Existing
Guardrail

Proposed Temp Pole
Station 43+33,
offset 62.0 Ft. Lt.

Proposed Temp Pole
Station 44+95,
offset 58.0 Ft. Lt.

STA 44+47.16 Match
Ex. Pavement Edge

W-Beam Guardrail
Mid-way Splice
(8' Posts) (Typ.)

Existing Utility
Pole

R 16.00'

Remove & Relocate
Existing Signs

STA 46+67.16 Match
Ex. Pavement

Existing
15" CPP

Driveway Apron
(Typ.)

N 87°28'03.31" E

Flared Terminal
End Unit

W-Beam Guardrail
Mid-way Splice
(8' Posts) (Typ.)

CLL

Ex. Edge of Pavement
(Typ.)

Guardrail Terminal
End (Typ.)

Plain Riprap
(Typ.)

Heavy Riprap
(Typ.)

Existing steel plate
pipe arch to be
removed.

Special Fill over Heavy
Riprap Apron (Typ.)

40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00

To Clifton

Route 9

To Aurora

Shading Denotes Mill and Pave Areas.
See Typical Sections.

PLAN

40 0 40 80

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 021870

BRIDGE NO. 6246

BRIDGE PLANS

	M. WIGHT	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED		CMS	7/19
CHECKED-REVIEWED	KLH	AWS	7/19
DESIGN2-DETAILED2	TCH	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK
AMHERST HANCOCK COUNTY

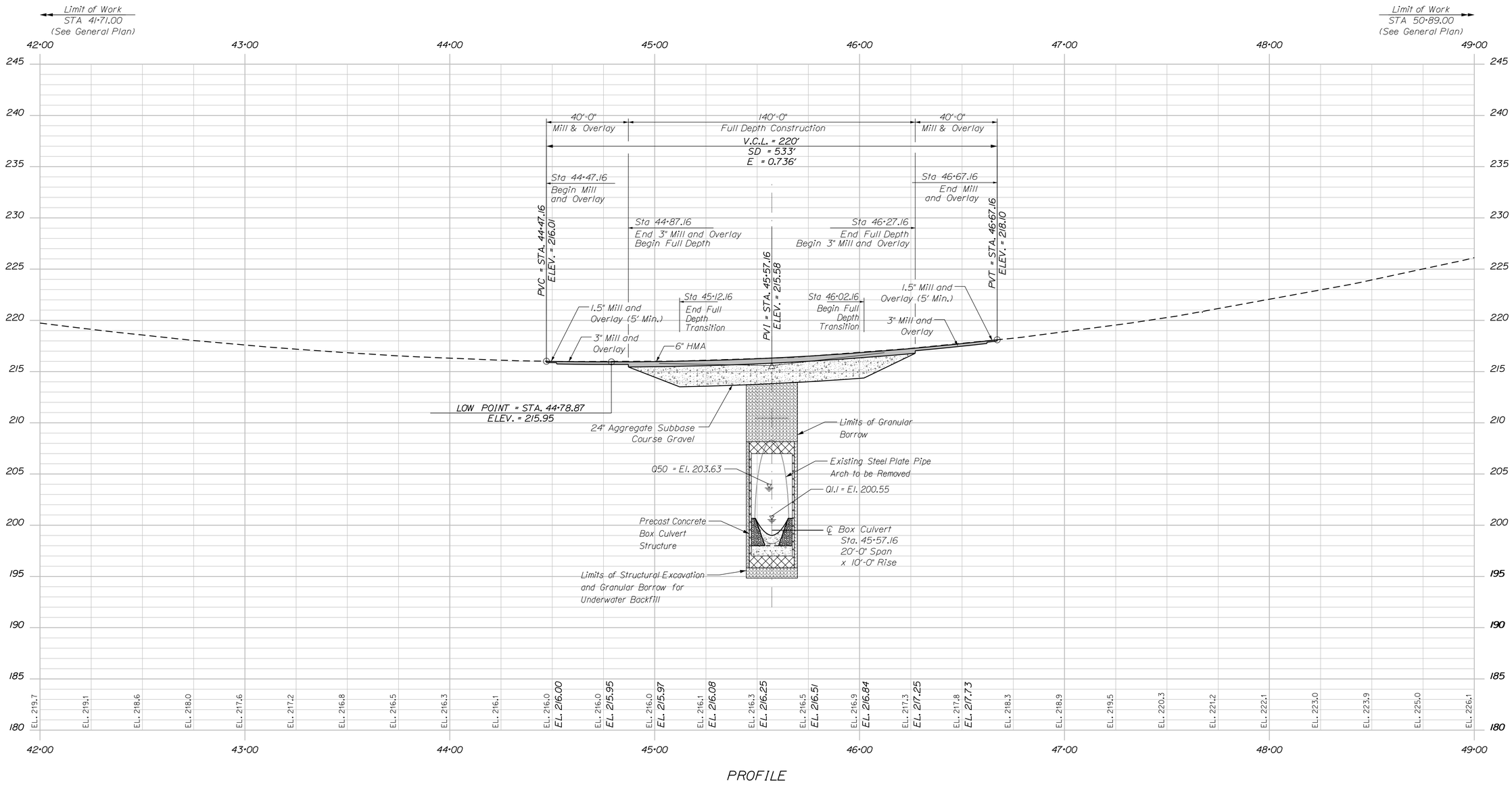
GENERAL PLAN

SHEET NUMBER

3

OF 14

Filename: ...\cadd\003_BDPlan.dgn Division: BRIDGE Username: Date:5/12/2020



PROFILE

PROFILE

Horiz. 25 0 25 50

Vert. 5 0 5 10

Scale of Feet

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 021870

BRIDGE NO. 6246

BRIDGE PLANS

	M. WIGHT	BY	DATE
PROJ. MANAGER			
DESIGN-DETAILED	KLH	CMS	7/19
CHECKED-REVIEWED	TCH	AMS	7\19
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK

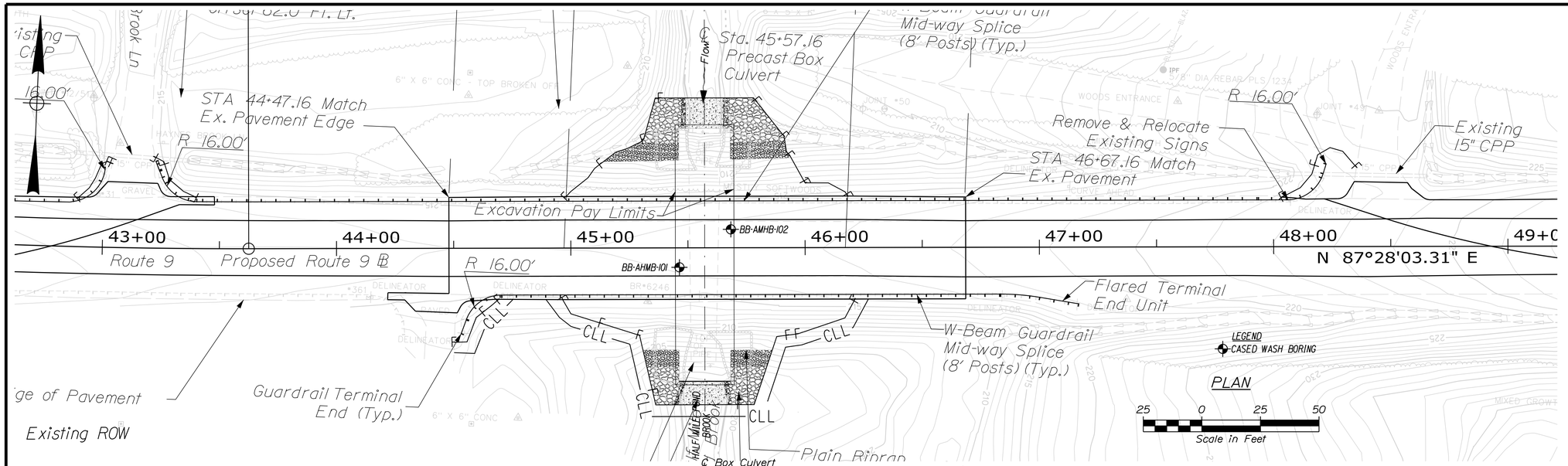
AMHERST HANCOCK COUNTY

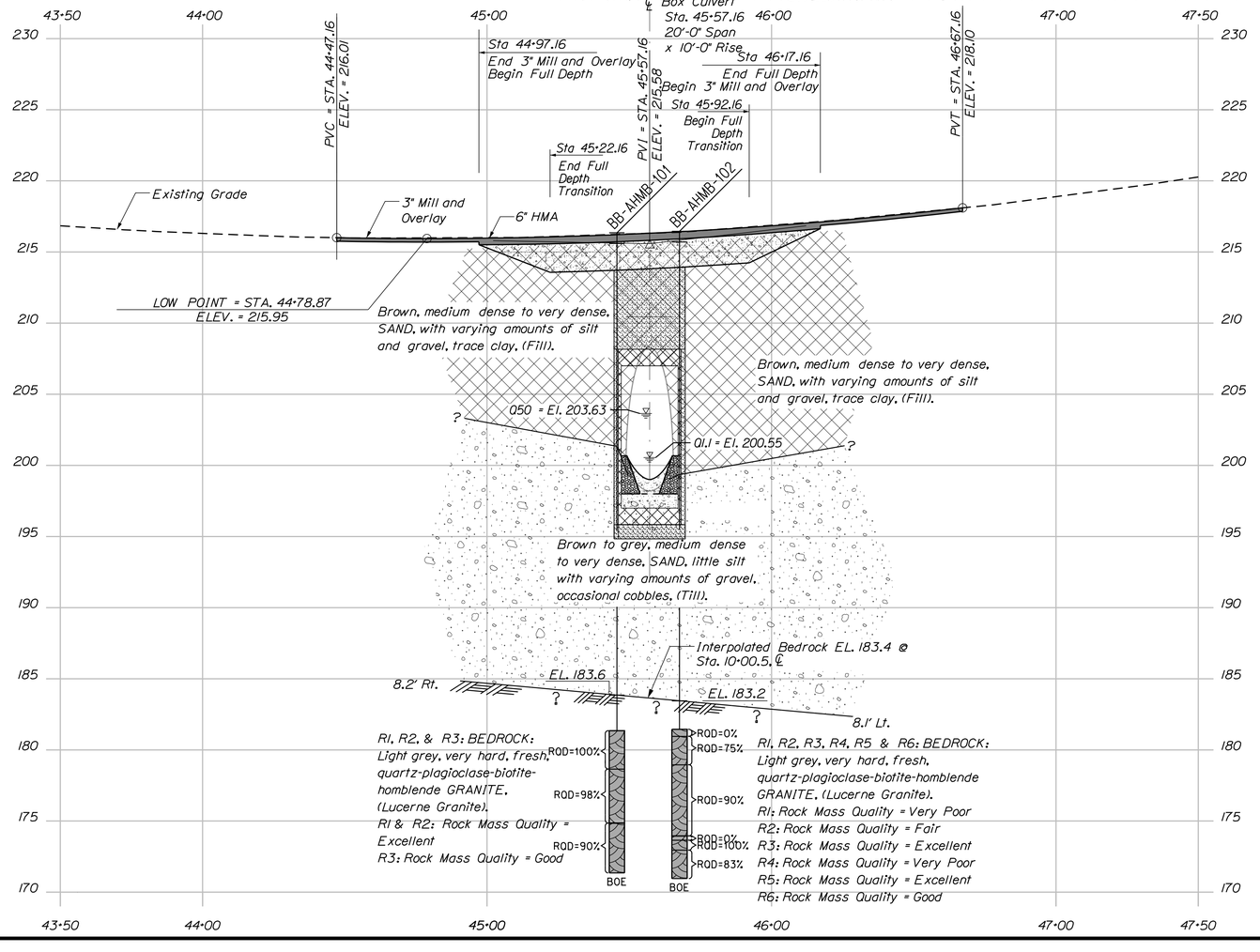
PROFILE

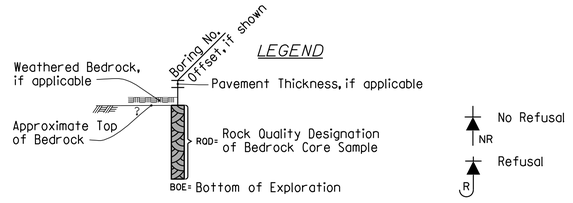
SHEET NUMBER

4

OF 14







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.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 21870.00

BRIDGE NO. 6246

BRIDGE PLANS

	BY	DATE
PROJ. MANAGER	J.STETSON	
DESIGN-DETAILED	WSP	
CHECKED-REVIEWED	WSP	-----
DESIGN2-DETAILED2	M.ST PIERRE	JUN 2019
DESIGN3-DETAILED3	T. WHITE	-----
REVISIONS 1	-------	-------
REVISIONS 2	-------	-------
REVISIONS 3	-------	-------
REVISIONS 4	-------	-------
FIELD CHANGES	-------	-------

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK
AMHERST HANCOCK COUNTY

BORING LOCATION PLAN & INTERPRETIVE SUBSURFACE PROFILE

SHEET NUMBER

5

OF 14

Filename: ...\MSTA\006_BORING LOGS1.dgn   Division: BRIDGE   Username: Jason.B.Stetson   Date:5/12/2020

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Half Mile Pond Brook Bridge #6246 carries Route 9 over Half Mile
Location: Amherst, Maine

Boring No.: BB-AHMB-101
WIN: 21870.00

Driller:	S. W. Cole Explorations, LLC	Elevation (ft.)	216.1 ft	Auger ID/OD:	5" Solid Stem
Operator:	S. Hollabaugh	Datum:	NAVD88	Sampler:	Standard Split-Spoon
Logged By:	N. Strout	Rig Type:	Diedrich D50	Hammer Wt./Fall:	140#/30"
Date Start/Finish:	2/23/2017-2/24/2017	Drilling Method:	Cased Wash Boring	Core Barrel:	NQ-2"
Boring Location:	Sta. 45+46.3, 8.3 ft RT	Casing ID/OD:	HW 4"/4.5" NW 3"/3.5"	Water Level*:	22.0' (on 2/24/2017)
Hammer Efficiency Factor: 0.873		Hammer Type:	Automatic ☒ Hydraulic ☐ Rope & Cathead ☐		

Definitions:
D = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
MU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
MV = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WO1P = Weight of One Person
S_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(lab)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
N-uncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT N-uncorrected Corrected for Hammer Efficiency
N_{60} = (Hammer Efficiency Factor/60%)*N-uncorrected
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in. Shear Strength (psf) or RQD (%)	N-uncorrected	N60	Casing Blows	Elevation (ft.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0							SSA	215.4	9" of Pavement; 0.8	
	1D	24/22	1.00 - 3.00	25/29/30/64	59	86			1D(A) 1.0-2.2 ft: Brown, frozen, very dense, SAND, some gravel, little silt, trace clay, (Fill). 1D(B) 2.2-3.0 ft: Brown, frozen, very dense, Silty SAND, trace gravel, (Fill).	#271087 A-1-b, SC-SM WC=7.2%
5	2D	24/18	5.00 - 7.00	11/16/8/9	24	35	65		2D(A) 5.0-6.0 ft: Similar to above except moist and dense. 2D(B) 6.0-7.0 ft: Brown, moist, dense, SAND, some silt, little gravel, (Fill).	#271088 A-2-4, SC-SM WC=11.8%
							80			
							211			
							161			
							187			
10	3D	24/17	10.00 - 12.00	17/18/17/19	35	51	85		Brown, moist, hard, SILT, little sand, (Fill).	#271089 A-4, CL WC=18.6%
							103			
							111			
							130			
							157			
15	4D	24/15	15.00 - 17.00	21/31/30/19	61	89	74	201.1	15.0; Brown, moist, very dense, SAND, little gravel, little silt, (Glacial Till).	#271087 A-1-b, SM WC=7.9%
							111			
							49			
							152			
							301			
20	MD	5/0	20.00 - 20.42	100/5"	- -		OPEN		Boulder from 20.3 to 22.9 ft bgs.	
							SPUN		Place spun NW casing.	
25	5D	24/8	25.00 - 27.00	11/16/39/29	55	80			Brown, wet, very dense, Gravelly SAND, little silt, (Glacial Till).	
									Frequent cobbles from 27 to 29 ft bgs.	
30	6D	11/5	30.00 - 30.92	29/100-5"	- -				Similar to above.	
								183.6	32.5; Top of Bedrock at Elev. 183.6 ft. Advanced by rollercone through bedrock from 32.5 to 35 ft bgs.	
35	R1	32/32	35.00 - 37.67	RQD = 100%					R1:Bedrock: Light grey, phaneritic, pegmatitic, GRANITE, predominately quartz-plagioclase-biotite-hornblende, very hard, fresh, weakly foliated (gneissic) steep (70 to 80 degrees), joints are rough, low angle (20 degree), and tight, with remobilized quartz mineralization infilling along foliation stress planes, (Lucerne Granite). Rock Mass Quality = Excellent. R1:Core Times (min:sec) 35.0-36.0 ft (4:59) 36.0-37.0 ft (4:56) 37.0-37.7 ft (3:50) 100% Recovery	
	R2	46/45	37.70 - 41.53	RQD = 98%					R2:Bedrock: Similar to R1. Rock Mass Quality = Excellent. R2:Core Times (min:sec) 37.7-38.0 ft (1:17) 38.0-39.0 ft (4:59) 39.0-40.0 ft (5:34) 40.0-41.0 ft (5:02) 41.0-41.5 ft (2:37) 100% Recovery	
	R3	42/43	41.50 - 45.00	RQD = 90%					R3:Bedrock: Similar to R1. Rock Mass Quality = Good. R3:Core Times (min:sec) 41.5-42.0 ft (2:31) 42.0-43.0 ft (4:42) 43.0-44.0 ft (5:00) 44.0-45.0 ft (5:03) 100% Recovery	
45								171.1	45.0; Bottom of Exploration at 45.0 feet below ground surface.	
50										

Remarks:

Auto-hammer SN #362
Casing driven using auto-hammer (140#/30" drop)
Water level recorded at start of day on 2/24/2017 within casing to 32.0 ft bgs.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: BB-AHMB-101

Maine Department of Transportation

Soil/Rock Exploration Log

US CUSTOMARY UNITS

Project: Half Mile Pond Brook Bridge #6246 carries Route 9 over Half Mile
Location: Amherst, Maine

Boring No.: BB-AHMB-102
WIN: 21870.00

Driller:	S. W. Cole Explorations, LLC	Elevation (ft.)	216.2 ft	Auger ID/OD:	5" Solid Stem
Operator:	S. Hollabaugh	Datum:	NAVD88	Sampler:	Standard Split-Spoon
Logged By:	N. Strout	Rig Type:	Diedrich D50	Hammer Wt./Fall:	140#/30"
Date Start/Finish:	2/24/2017-2/28/2017	Drilling Method:	Cased Wash Boring	Core Barrel:	NQ-2"
Boring Location:	Sta. 45+68.3, 7.9 ft LT	Casing ID/OD:	HW 4"/4.5" NW 3"/3.5"	Water Level*:	16.5' (on 2/28/2017)
Hammer Efficiency Factor: 0.873		Hammer Type:	Automatic ☒ Hydraulic ☐ Rope & Cathead ☐		

Definitions:
D = Split Spoon Sample
MD = Unsuccessful Split Spoon Sample Attempt
U = Thin Wall Tube Sample
MU = Unsuccessful Thin Wall Tube Sample Attempt
V = Field Vane Shear Test, PP = Pocket Penetrometer
MV = Unsuccessful Field Vane Shear Test Attempt
R = Rock Core Sample
SSA = Solid Stem Auger
HSA = Hollow Stem Auger
RC = Roller Cone
WOH = Weight of 140lb. Hammer
WOR/C = Weight of Rods or Casing
WO1P = Weight of One Person
S_u = Peak/Remolded Field Vane Undrained Shear Strength (psf)
$S_{u(lab)}$ = Lab Vane Undrained Shear Strength (psf)
q_p = Unconfined Compressive Strength (ksf)
N-uncorrected = Raw Field SPT N-value
Hammer Efficiency Factor = Rig Specific Annual Calibration Value
N_{60} = SPT N-uncorrected Corrected for Hammer Efficiency
N_{60} = (Hammer Efficiency Factor/60%)*N-uncorrected
T_v = Pocket Torvane Shear Strength (psf)
WC = Water Content, percent
LL = Liquid Limit
PL = Plastic Limit
PI = Plasticity Index
G = Grain Size Analysis
C = Consolidation Test

Depth (ft.)	Sample No.	Pen./Rec. (in.)	Sample Depth (ft.)	Blows (/6 in. Shear Strength (psf) or RQD (%)	N-uncorrected	N60	Casing Blows	Elevation (ft.)	Visual Description and Remarks	Laboratory Testing Results/ AASHTO and Unified Class
0							SSA	215.5	9" of Pavement; 0.8	
	1D	12/10	1.00 - 2.00	29/100	- -				Brown, frozen, very dense, GRAVEL, little sand, little silt, trace clay, (Fill).	#271091 A-2-4, SC-SM WC=3.0%
5	2D	24/16	5.00 - 7.00	7/7/13/21	20	29	70		2D(A) 5.0-5.3 ft: Brown, moist, medium dense, Silty SAND, trace gravel, (Fill). 2D(B) 5.3-6.5 ft: Brown, moist, medium dense, SAND, some silt, little gravel, (Fill). 2D(C) 6.5-7.0 ft: Brown, moist, medium dense, SAND, some silt, trace gravel, trace clay, (Fill).	
							109			
							153			
							116			
							139			
10	3D	24/18	10.00 - 12.00	18/22/23/20	45	65	65		Similar to 2D(C) except very dense.	#271092 A-2-4, SC-SM WC=7.3%
							98			
							126			
							137			
							171			
15	MD	24/0	15.00 - 17.00	32/17/16/11	33	48	73			
							51			
	4D	24/20	17.00 - 19.00	6/6/10/34	16	23	36	199.1	4D(A) 17.0-17.1 ft: Brown, wet, medium dense, Gravelly SAND, trace silt, (Fill). 17.1; 4D(B) 17.1-17.5 ft: Reddish-brown, wet, medium dense, SAND, trace gravel, trace silt, (Glacial Till). 4D(C) 17.5-19.0 ft: Grey, wet, medium dense, SAND, some gravel, little silt, (Glacial Till).	#271093 A-1-b, SW-SM WC=9.6%
							64			
							127			
20	MD	24/0	20.00 - 22.00	13/7/7/9	14	20	36			
							27			
	MD	9/0	22.00 - 22.75	55/100-3"	- -		215		Cobble.	
							285			
							150		Rollercone through cobble from 24.5 to 25.5 ft bgs.	
25							52/6"			
							155 SPUN		Cobble from 26.0 to 26.7 ft bgs.	
30	MD	2/0	30.00 - 30.17	100-2"	- -					
							OPEN	183.2	33.0; Top of Bedrock at Elev. 183.2 ft. Rollercone through bedrock from 33 to 35 ft bgs.	
35	R1 R2	6/2.5 24/24	35.00 - 35.50 35.50 - 37.50	RQD = 0% RQD = 75%			NQ-2		R1:Bedrock: Grey, phaneritic, pegmatitic, GRANITE, predominately quartz-plagioclase-biotite-hornblende, very hard, fresh, weakly foliated (gneissic) steep to vertical (70 to 90 degrees), joints are rough, low angle (20 degree), and tight, with remobilized quartz mineralization infilling along foliation stress planes, (Lucerne Granite). Rock Mass Quality = Very Poor R1:Core Times (min:sec) 35.0-35.5 ft (2:31) 42% Recovery R2:Bedrock: Similar to R1. Rock Mass Quality = Fair. R2:Core Times (min:sec) 35.5-36.5 ft (5:07) 36.5-37.5 ft (4:44) 100% Recovery	
	R3	60/61	37.50 - 42.50	RQD = 90%					R3:Bedrock: Similar to R1 with very slight weathering on joints. Rock Mass Quality = Excellent. R3:Core Times (min:sec) 37.5-38.5 ft (5:46) 38.5-39.5 ft (7:16) 39.5-40.5 ft (8:06) 40.5-41.5 ft (6:57) 41.5-42.5 ft (8:59) 100% Recovery	
	R4 R5	3.5/3.5 8.5/8	42.50 - 42.79 42.80 - 43.51	RQD = 0% RQD = 100%					R4:Bedrock: Similar to R1. Rock Mass Quality = Very Poor. 100% Recovery R5:Bedrock: Similar to R1. Rock Mass Quality = Excellent. R5:Core Times (min:sec) 42.5-43.5 ft (13:59) 94% Recovery Core Bit Worn	
	R6	24/22	43.50 - 45.50	RQD = 83%					R6:Bedrock: Similar to R1. Rock Mass Quality = Good. R6:Core Times (min:sec) 43.5-44.5 ft (3:49) 44.5-45.5 ft (3:15) 92% Recovery	
45								170.7	45.5; Bottom of Exploration at 45.5 feet below ground surface.	
50										
55										
60										
65										
70										
75										

Remarks:

Auto-hammer SN #362
Casing driven using auto-hammer (140#/30" drop).
Water level recorded at start of day on 2/28/2017 within casing to 24.5 ft bgs.

Stratification lines represent approximate boundaries between soil types; transitions may be gradual.

* Water level readings have been made at times and under conditions stated. Groundwater fluctuations may occur due to conditions other than those present at the time measurements were made.

Page 1 of 1

Boring No.: BB-AHMB-102

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

BRIDGE PLANS
WIN 21870.00
BRIDGE NO. 6246

PROJ. MANAGER	J.STETSON	BY	DATE
DESIGN-DETAILED	WSP	WSP	
CHECKED-REVIEWED	------	------	------
DESIGN2-DETAILED2	M.ST PIERRE	T.WHITE	JUN 2019
DESIGN3-DETAILED3	------	------	------
REVISIONS 1	------		------
REVISIONS 2	------		------
REVISIONS 3	------		------
REVISIONS 4	------		------
FIELD CHANGES	------		------

SIGNATURE

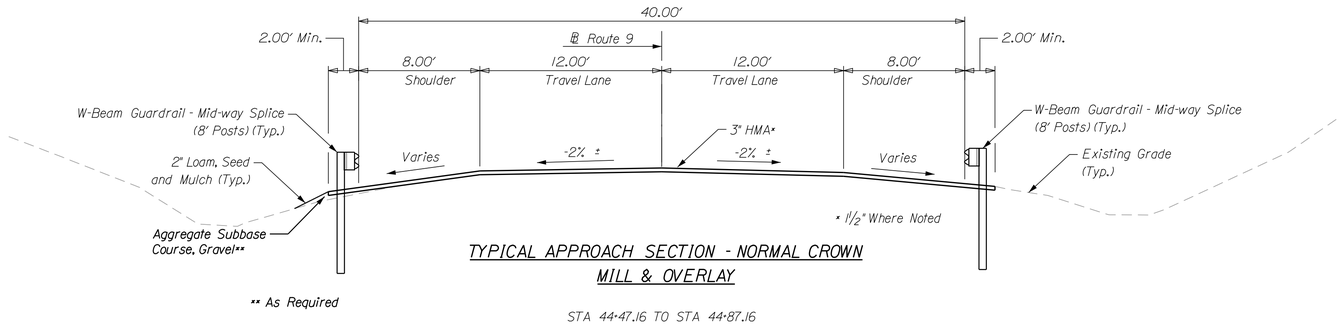
P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POUND BROOK
AMHERST HANCOCK COUNTY

BORING LOGS

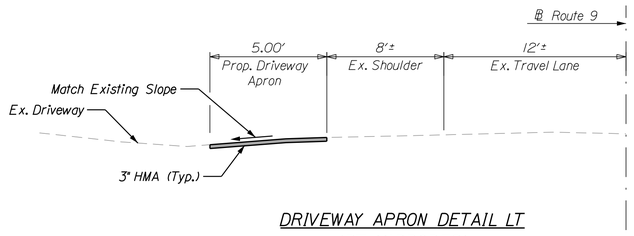
SHEET NUMBER
6
OF 14



TYPICAL APPROACH SECTION - NORMAL CROWN MILL & OVERLAY

** As Required

STA 44+47.16 TO STA 44+87.16
STA 46+27.16 TO STA 46+67.16

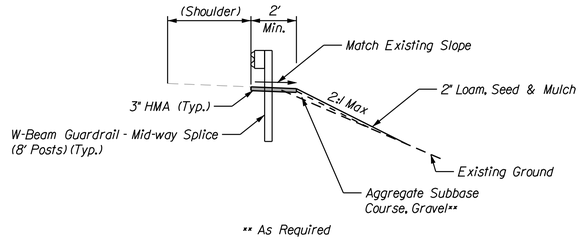


DRIVEWAY APRON DETAIL LT (RT MIRRORED)

STA 43+10 LT
STA 44+45 RT
STA 48+50 LT

NOTE:

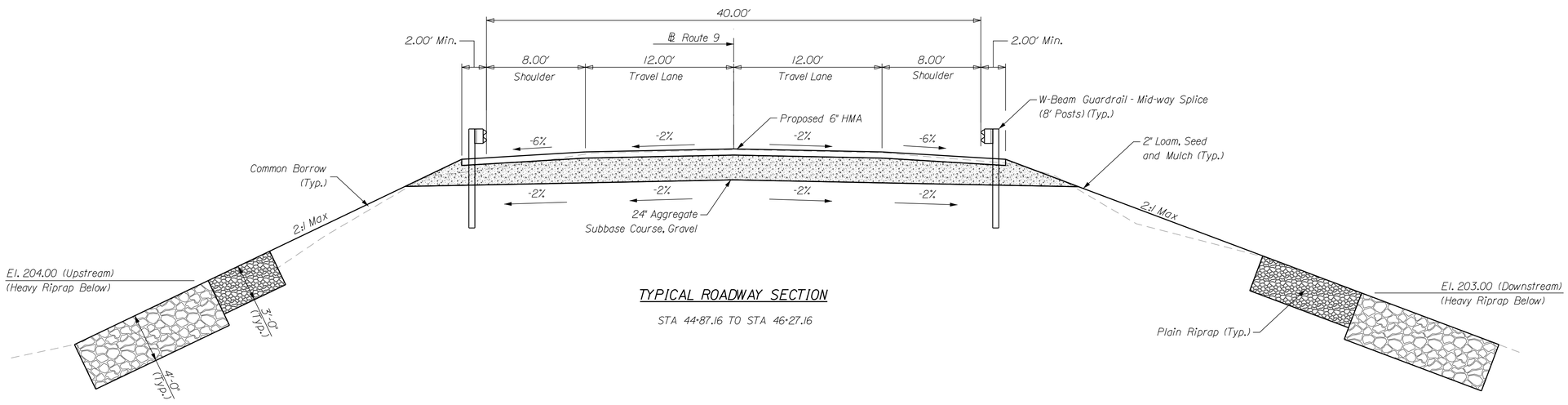
1. The pavement, base and subbase depths as shown on the plans are intended to be nominal.
2. When superelevation exceeds the slope of the low side shoulder, the low side shoulder shall have the same slope as the travelway.
3. Cross Slopes for normal and superelevated sections will be straight lines unless otherwise directed by the resident.
4. The algebraic difference between the shoulder and travelyway cross slopes "rollover" shall not exceed 8%.
5. Stationing under each typical is approximate.



** As Required

APPROACH SECTION - GUARDRAIL EXTENSION RT (LT MIRRORED)

STA 41+71.00 TO STA 43+00.00 LT
STA 43+22.50 TO STA 44+47.16 LT
STA 46+67.16 TO STA 48+22.50 LT
STA 46+67.16 TO STA 47+15.50 RT



TYPICAL ROADWAY SECTION

STA 44+87.16 TO STA 46+27.16

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 021870

BRIDGE NO. 6246

BRIDGE PLANS

	M. WIGHT	BY	DATE
PROJ. MANAGER	KLH	CMS	7/19
DESIGN-DETAILED	KLH	AMS	7/19
CHECKED-REVIEWED	TCH	-	-
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK
AMHERST HANCOCK COUNTY

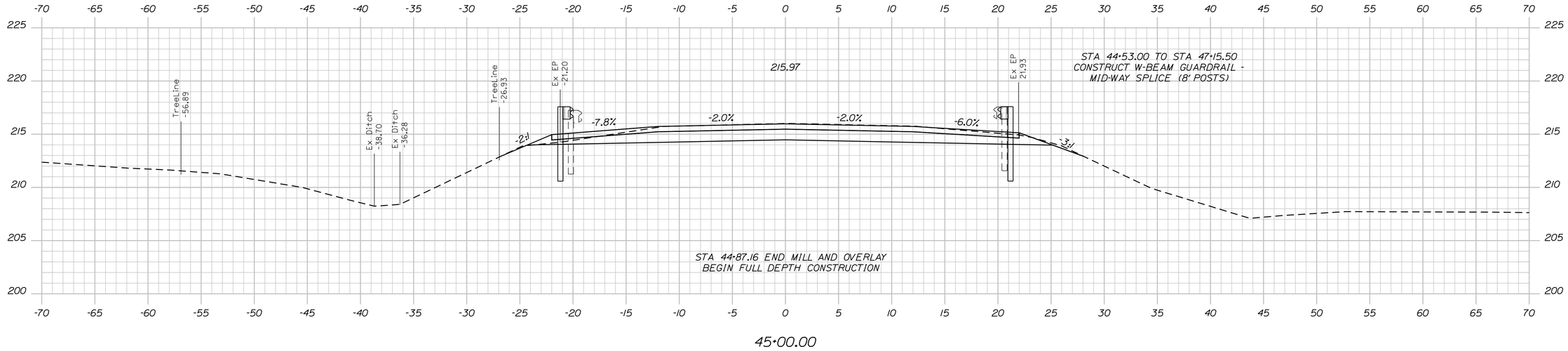
TYPCAL ROADWAY SECTIONS

SHEET NUMBER

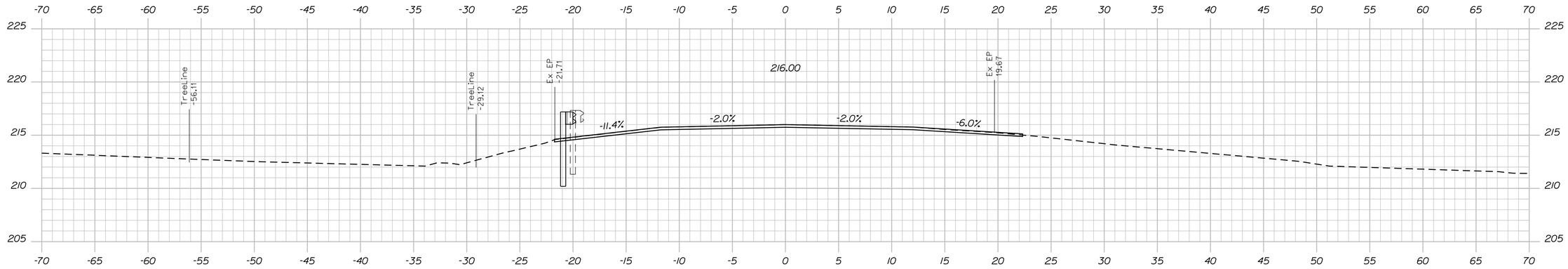
7

OF 14

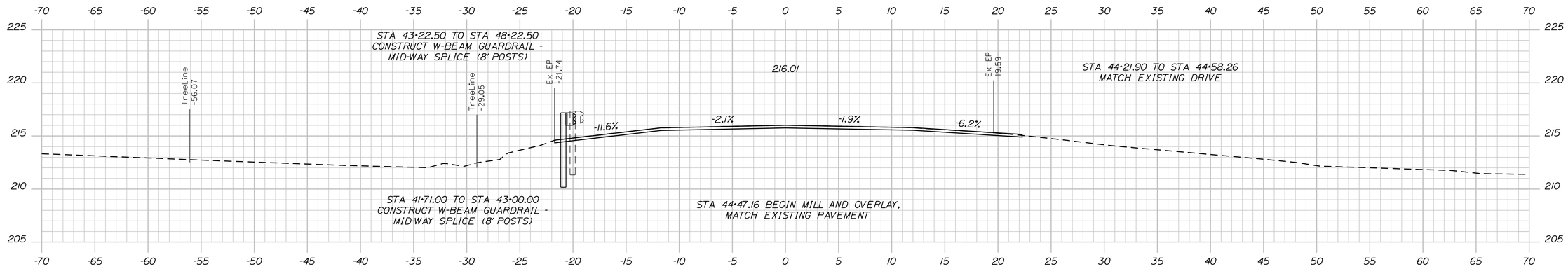
Filename: ...\cadd\007_Typical Sections.dgn Division: BRIDGE Username: Date:5/12/2020



45+00.00



44+50.00



44+47.16

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 021870

BRIDGE NO. 6246

BRIDGE PLANS

PROJ. MANAGER	M. WIGHT
DESIGN-DETAILED	KLH
CHECKED-REVIEWED	TCH
DESIGN2-DETAILED2	-
DESIGN3-DETAILED3	-

	BY	DATE
REVISIONS 1	CMS	7/19
REVISIONS 2	AMS	7/19
REVISIONS 3	-	-
REVISIONS 4	-	-
FIELD CHANGES	-	-

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK
AMHERST HANCOCK COUNTY

CROSS SECTIONS

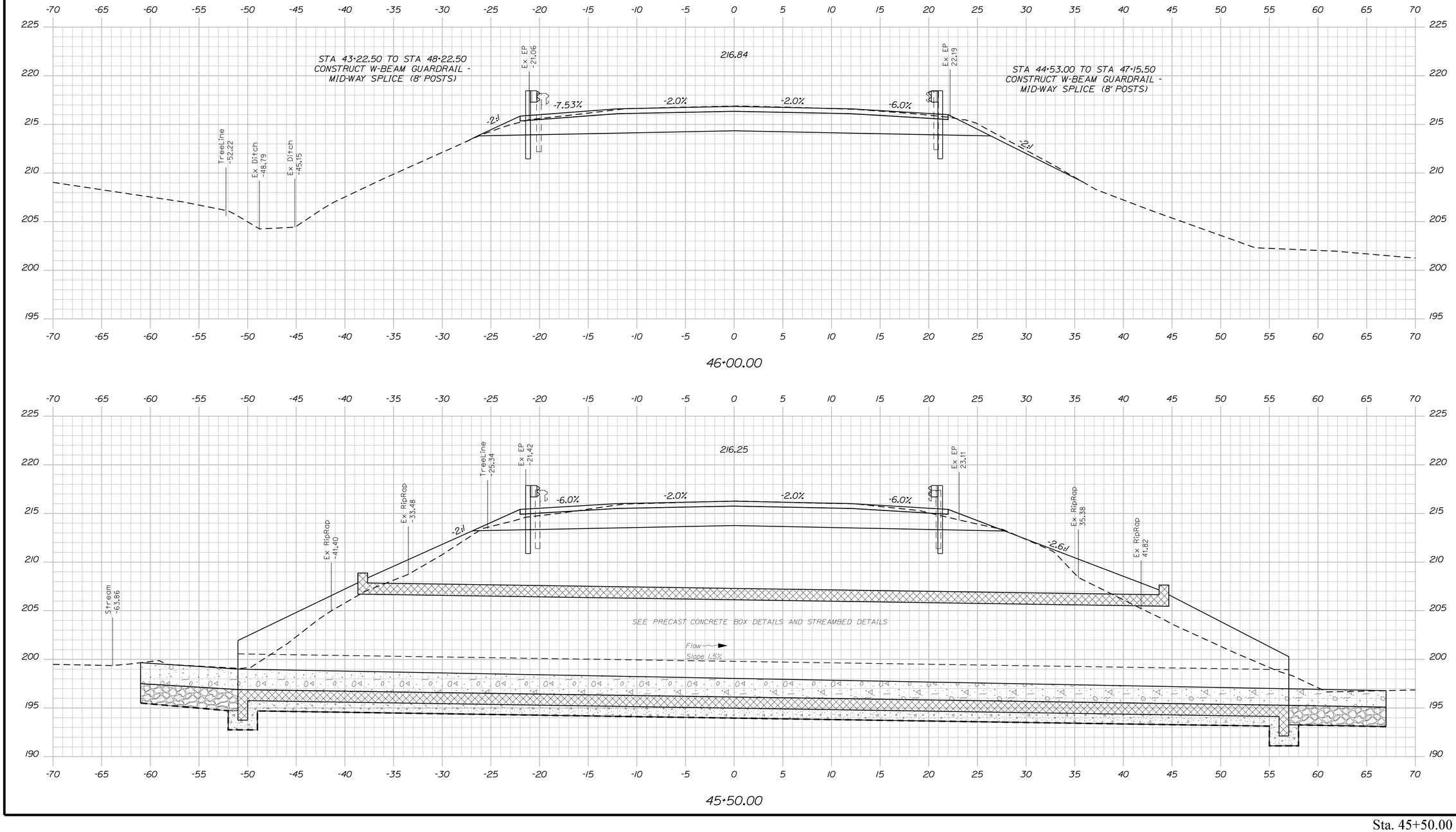
SHEET NUMBER

8

OF 14

Filename: ...\cadd\008_Cross Sections1.dgn Division: BRIDGE Username: Date:5/12/2020

Sta. 44+47.16 to Sta. 45+00.00



Sta. 45+50.00 to Sta. 46+00.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 021870

BRIDGE NO. 6246 — BRIDGE PLANS

PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN-DETAILED	KLH	CMS	7/19
CHECKED-REVIEWED	TCH	AMS	7\19
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK
AMHERST HANCOCK COUNTY

CROSS SECTIONS

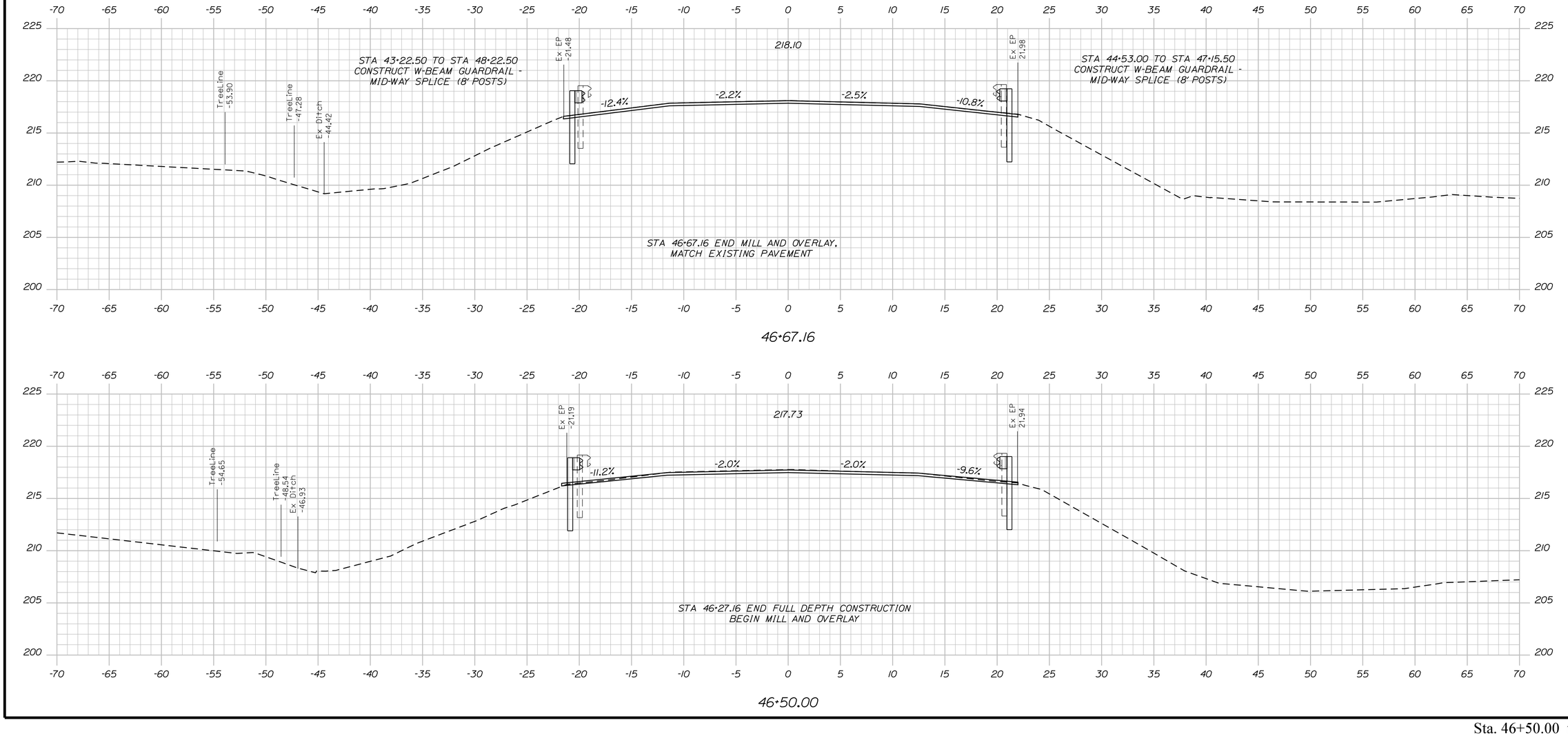
SHEET NUMBER

9

OF 14

Username: Date:5/12/2020

Filename: ...\cadd\009_Cross Sections2.dgn Division: BRIDGE



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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 021870

BRIDGE NO. 6246 BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	M. WIGHT		
DESIGN-DETAILED	KLH	CMS	7/19
CHECKED-REVIEWED	TCH	AMS	7/19
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK
AMHERST HANCOCK COUNTY

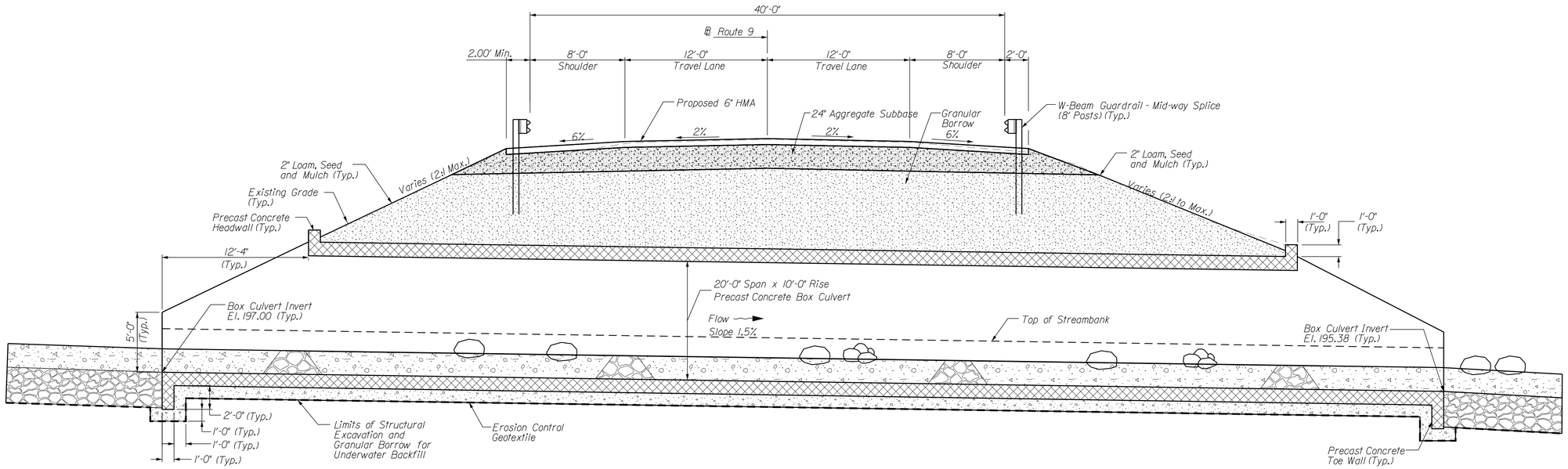
CROSS SECTIONS

SHEET NUMBER

10

OF 14

Sta. 46+50.00 to Sta. 46+67.16

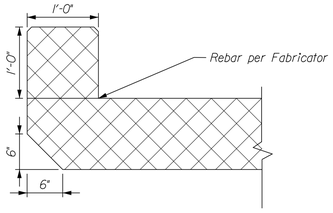


TYPICAL LONGITUDINAL SECTION

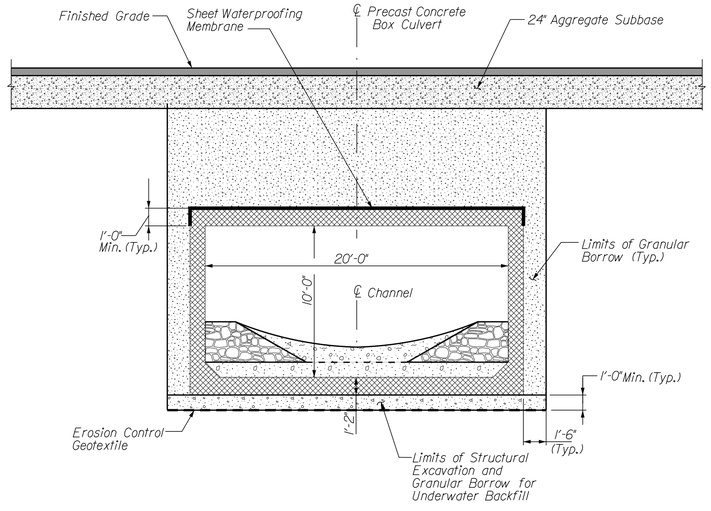
PRECAST CONCRETE BOXES NOTES

1. The precast concrete box culvert will be supplied by the MaineDOT. Refer to Special Provision Section 534.

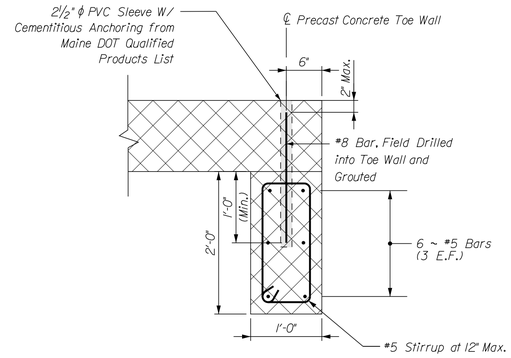
2. Install standard membrane waterproofing over the top and to 12 inches down the exterior sides of the precast units.



PRECAST CONCRETE HEADWALL DETAIL



BOX CULVERT SECTION



PRECAST CONCRETE TOE WALL DETAIL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 021870

BRIDGE NO. 6246

BRIDGE PLANS

PROJ. MANAGER	M. WIGHT	BY	DATE
DESIGN-DETAILED	KLH	CMS	7/19
CHECKED-REVIEWED	TCH	AMS	7/19
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK
AMHERST HANCOCK COUNTY

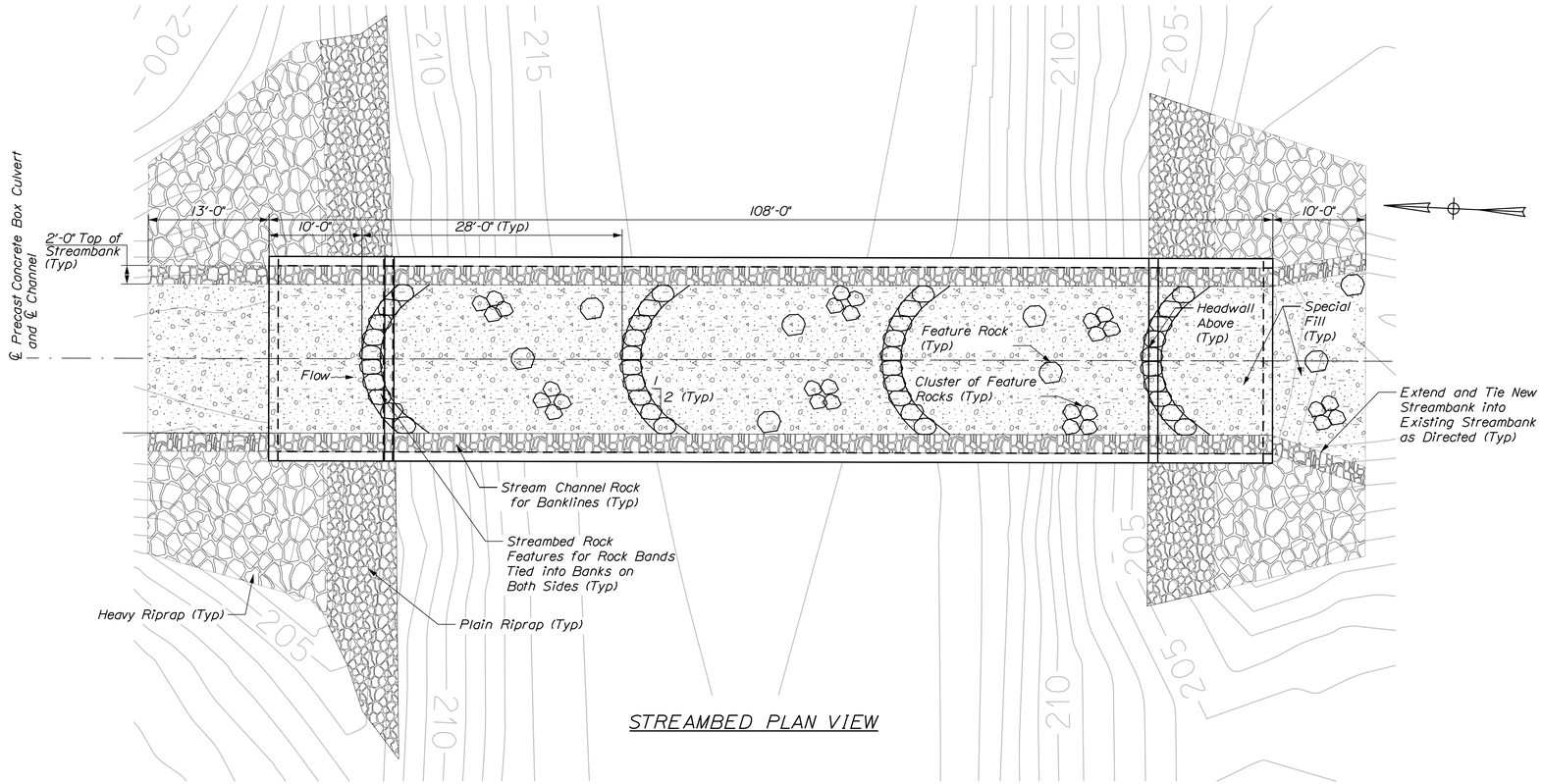
PRECAST CONCRETE BOX DETAILS

SHEET NUMBER

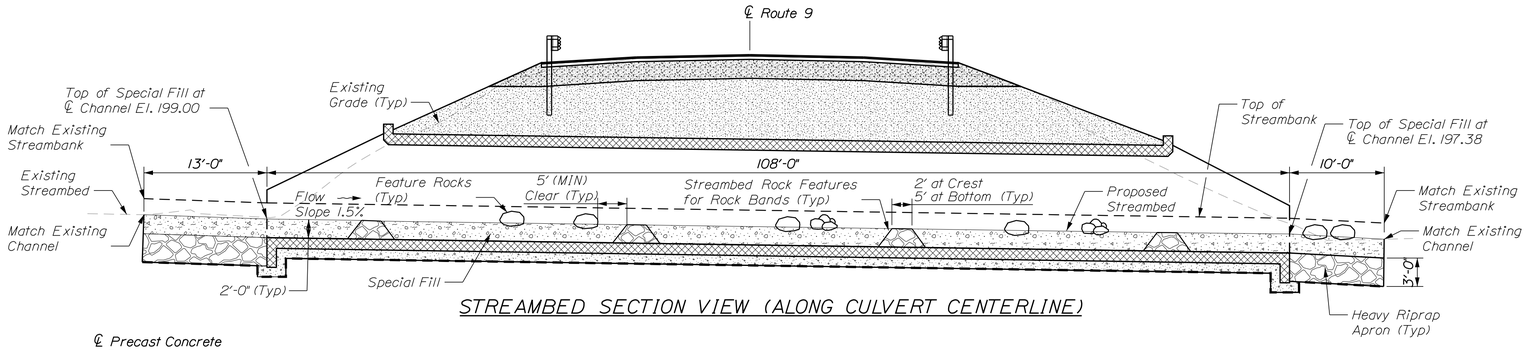
11

OF 14

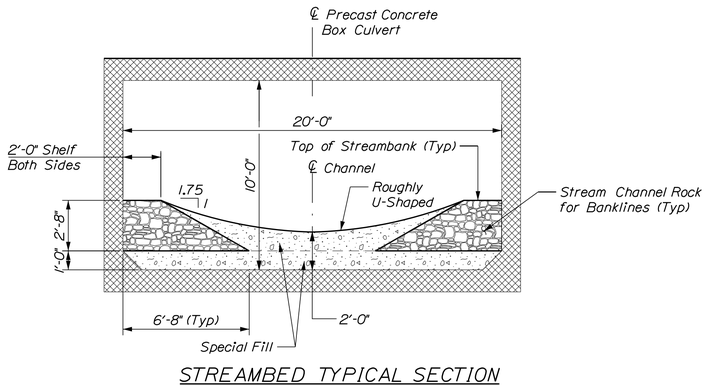
Filename: ...\cadd\011_Bridge Typical.dgn Division: BRIDGE Username: Date:5/12/2020



STREAMBED PLAN VIEW



STREAMBED SECTION VIEW (ALONG CULVERT CENTERLINE)



STREAMBED TYPICAL SECTION

STREAMBED CONSTRUCTION NOTES:

1. Voids in banks, rock bands, and plain riprap aprons shall be filled by washing in materials conforming to Special Provision 610 - Stream Channel Rock.

2. Single feature rocks shall have an average dimension between 24 and 30 inches. Feature rocks placed in clusters shall have an average dimension between 18 and 21 inches.

3. Place two (2) single feature rocks between rock bands, located randomly as shown or as directed. Place two (2) clusters of feature rocks between rock bands, located randomly as shown or as directed. Clusters of feature rocks shall contain at least three (3) to four (4) feature rocks, placed in a stable arrangement. Place two (2) single feature rocks and one (1) cluster of feature rocks beyond the outlet as shown or as directed.

4. Embed feature rocks in special fill a minimum of ⅓ to ½ the height of the rock. Embed feature rocks for rock bands so that rocks project no more than 3" above the design grade.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STP-2187(000)

WIN 21870.00

BRIDGE NO. 6246 — BRIDGE PLANS

		BY	DATE
PROJ. MANAGER	J. STETSON		
DESIGN-DETAILED	KLJ	ERC	2/2020
CHECKED-REVIEWED	JL	AWS	2/2020
DESIGN2-DETAILED2	-	-	-
DESIGN3-DETAILED3	-	-	-
REVISIONS 1	-	-	-
REVISIONS 2	-	-	-
REVISIONS 3	-	-	-
REVISIONS 4	-	-	-
FIELD CHANGES	-	-	-

SIGNATURE

P.E. NUMBER

DATE

HALF MILE POND BROOK BRIDGE
HALF MILE POND BROOK
AMHERST — HANCOCK COUNTY

STREAMBED DETAILS

SHEET NUMBER

12

OF 14

Filename: ...\cadd\012_Streambed_Details.dgn Division: BRIDGE Username: Date:5/12/2020

PLAN LEGEND

Town, County, State	New R/W Along Existing R/W	Sanitary Sewer	Existing / Proposed	Traveled Way	Existing / Proposed	Cut Line	Fill Line
Approx. Property Lines P.L.	Building / Clearing Limit Line	Telephone Line		Ditch		Stonewall	Retaining Wall
Existing Right of Way	Trees Conifer / Deciduous	Electric Line		Catch Basin		Baseline 10+00 11+00 12+00	
Limits of Wrought Portion L.O.W.P.	Tree Line / Bush Line	Water Line		Manhole		Monument	Traverse Point
Control Of Access C.O.A.	Water Edge	Underdrain Line		Sewer Manhole		Iron Rod Found IRF	Pipe Found IPF
New Right of Way	Ledge / Rock/Boulder / Flag Pole	Gas Line		Utility Pole		Replacement Pin Set	
New Easement	Fence CHAIN LINK / BARB WIRE / STOCKADE	Guardrail		Fire Hydrant			
New Temporary Rights	Sign / Well / Mailbox	Culvert		Curbing			
New R/W Within Existing R/W							

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

STATE OF MAINE
REGISTRY OF DEEDS
COUNTY _____
RECEIVED _____, _____
at _____h_____m_____M and
recorded in Plan Bk _____, Pg._____
Attest: _____
REGISTER

CURVE DATA #1
PI = 41+81.56
D = 2°12'28.9"
Δ = 8°00'17.0" Lt.
R = 2594.89'
L = 362.53'
T = 181.56'
E = 6.34'

GRID NORTH
NAD83 MAINE 2000 EAST ZONE
NAD88
COMBINED FACTOR 0.99999485

SURVEY PLAN FOR
SP FORESTS LLC. TO
HUNTER & CALHOUN BY
PLISGA & DAY LAND SURVEYORS
MAY 6, 2003

ARAM J. K. CALHOUN
MALCOLM L. HUNTER, JR.
ITEM NO. (1)
TEMP. ROAD RIGHTS = 0.32± AC. (1)
TOTAL AREA = 270± AC. (PER LAND OWNER)

PC = STA. 40+00.00
PT = STA. 43+62.53

EXISTING CHANNEL DIVERSION LIMITS
SEE SHC FILE NO. 5-107

STATE HIGHWAY "281"/ ROUTE 9
RIGHT OF WAY PRIOR TO
S.H.C. FILE NO. 5-107, 1967
ASSUMED DISCONTINUED BY ABANDONMENT
PER TITLE 23 MRSA SECT. 3028

HANNAS BROOK LN.

TEMPORARY ROAD LIMITS

MIXED GROWTH

JOINT *12/51

HAYNES BROOK LN.

*51 CPPC

GRAVEL

*353

BR*6247

TO CLIFTON

40+00 AIRLINE ROAD

BEGIN B.L.

41+00

42+00

43+00 +30

262.53'

SEE SHC FILE NO. 5-107

STATE HIGHWAY "46"

44+00

ROUTE 9

837.47'

45+00

N 87°28'03.3" E

46+00

47+

BR*6246

DELINEATOR

*361

CONSERVATION EASEMENT LIMITS

ARAM J.K. CALHOUN & MALCOLM L. HUNTER, JR.
TO FOREST SOCIETY OF MAINE
CONSERVATION EASEMENT
DATED DECEMBER 28, 2011
H.C.R.D. BOOK 5741, PAGE 297

HALF MILE POND BROOK

STATE HIGHWAY "281"/ ROUTE 9
RIGHT OF WAY PRIOR TO
S.H.C. FILE NO. 5-107, 1967
ASSUMED DISCONTINUED BY ABANDONMENT
PER TITLE 23 MRSA SECT. 3028

EXISTING CHANNEL DIVERSION LIMITS
S.H.C. FILE NO. 5-107

EXISTING CHANNEL DIVERSION LIMITS

TEMPORARY ROAD LIMITS

ROAD

LTS.

6" X 8" X 3"
6" X 6" X 4"
6" X 5" X 6"

0.32± AC.

6" X 6" CONC - TOP BROKEN OFF

JOINT *50

TOP OF BANK

DELINEATOR

MOSTLY SOFTWOOD

CLL

LAWN

6" X 6" CONC

RESOURCE PROTECTION ZONE

EXISTING CHANNEL DIVERSION LIMITS

HALF MILE POND BROOK

S.H.C. FILE NO. 5-107

HALF MILE POND BROOK BRIDGE
OVER
HALF MILE POND BROOK
BRIDGE NO. 6246 WIN 021870.00

EXISTING CHANNEL DIVERSION LIMITS
EXISTING CHANNEL DIVERSION LTS.
S.H.C. FILE NO. 5-107
P.L.

ANDREA M. DICKINSON

JAMES V. BEAL
CHARLENE M. BEAL

FINAL SUBDIVISION PLAN OF THE
JELLISON HILL SUBDIVISION FOR
WAYNE PERKINS BY
PLISGA & DAY LAND SURVEYORS
DECEMBER 21, 1999
PROJECT NO. 98327 F

EXISTING
R/W REFERENCES
STATE HIGHWAY "46"/ ROUTE 9

STATE OF MAINE HIGHWAY COMMISSION
RIGHT OF WAY MAP
AMHERST, HANCOCK COUNTY
STATE HIGHWAY "281"/ ROUTE 9
FEDERAL AID PROJECT NO. S-0281(8)
S.H.C. FILE NO. 5-107
SHEET 1 OF 4

TECH	CHECKED
BDM	
CRS	GLL
CRS	GLL

ITEM	
EXISTING CONDITION PLAN	
FINAL RIGHT OF WAY	
AREAS	

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

REVISIONS

NO.	DATE	DESCRIPTION	BY

PLAN FILED IN PLAN BOOK PAGE COUNTY RECORD

NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	4/6/2020	7014	799

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

STATE HIGHWAY "46"
ROUTE 9 / AIRLINE ROAD
AMHERST HANCOCK COUNTY
FEDERAL AID PROJECT NO. STP-2187(000)

JANUARY 2020	RIGHT-OF-WAY MAP	D.O.T. FILE NO. 5-308
SCALE 1" = 25'	SHEET 1 OF 2	

SHEET NUMBER
13
OF 14

PLAN LEGEND

Town, County, State	New R/W Along Existing R/W	Sanitary Sewer	Traveled Way
Approx. Property Lines P.L.	Building / Clearing Limit Line	Telephone Line	Ditch
Existing Right of Way	Trees Conifer / Deciduous	Electric Line	Catch Basin
Limits of Wrought Portion L.O.W.P.	Tree Line / Bush Line	Water Line	Manhole
Control Of Access C.O.A.	Water Edge	Underdrain Line	Sewer Manhole
New Right of Way	Ledge / Rock/Boulder / Flag Pole	Gas Line	Utility Pole
New Easement	Fence CHAIN LINK / BARB WIRE / STOCKADE	Guardrail	Fire Hydrant
New Temporary Rights	Sign / Well / Mailbox	Culvert	Curbing
New R/W Within Existing R/W			

Existing / Proposed

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

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

STATE OF MAINE REGISTRY OF DEEDS

COUNTY _____
RECEIVED _____, _____
at _____h_____m_____M and
recorded in Plan Bk _____, Pg._____
Attest: _____
REGISTER

ARAM J.K. CALHOUN & MALCOLM L. HUNTER, JR.
TO FOREST SOCIETY OF MAINE
CONSERVATION EASEMENT
DATED DECEMBER 28, 2011
H.C.R.D. BOOK 5741, PAGE 297

SURVEY PLAN FOR
SP FORESTS LLC. TO
HUNTER & CALHOUN BY
PLISGA & DAY LAND SURVEYORS
MAY 6, 2003

ARAM J. K. CALHOUN
MALCOLM L. HUNTER, JR.
ITEM NO. (1)
TEMP. ROAD RIGHTS = 0.32± AC. (1)
TOTAL AREA = 270± AC. (PER LAND OWNER)

STATE OF MAINE
DEPARTMENT OF CONSERVATION
BUREAU OF PARKS AND LANDS

GRID NORTH
NAD83 MAINE 2000 EAST ZONE
NAVD88
COMBINED FACTOR 0.99999485

STATE HIGHWAY "281"/ ROUTE 9
RIGHT OF WAY PRIOR TO
S.H.C. FILE NO. 5-107, 1967
ASSUMED DISCONTINUED BY ABANDONMENT
PER TITLE 23 MRSA SECT. 3028

STATE HIGHWAY "281"/ ROUTE 9
RIGHT OF WAY PRIOR TO
S.H.C. FILE NO. 5-107, 1967
ASSUMED DISCONTINUED BY ABANDONMENT
PER TITLE 23 MRSA SECT. 3028

HALF MILE POND BROOK
EXISTING CHANNEL DIVERSION LIMITS
CONSERVATION EASEMENT LIMITS
P.L.
TEMPORARY ROAD LIMITS
0.32± AC.
5/8" DIA REBAR PLS 1234
WOODS ENTRANCE
JOINT #50
JOINT #49
JOINT NO*
JOINT #47
MOSTLY SOFTWOODS
MIXED GROWTH
DELINEATOR
DIR ONLY
CURVE AHEAD
MILE MARKER 216
PAVED APRON
18" CPP
GRAVEL RD
ELECTRIC #200718
5/8" DIA REBAR PLS 1297
5/8" DIA REBAR 15IN AG D.O.F.I. 1297
IPF

POE = STA. 53+23.49

46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 5

STATE HIGHWAY "46"
ROUTE 9
AIRLINE ROAD
END B.L.
TO AURORA
+53± +55±
837.47'
N 87°28'03.3" E
CLL

RESOURCE PROTECTION ZONE

APPROX. LIMIT OF
250' RESOURCE
PROTECTION ZONE

JAMES V. BEAL
CHARLENE M. BEAL

FINAL SUBDIVISION PLAN OF THE
JELLISON HILL SUBDIVISION FOR
WAYNE PERKINS BY
PLISGA & DAY LAND SURVEYORS
DECEMBER 21, 1999
PROJECT NO. 98327 F

TOWN OF AMHERST

WILLIAM R. SANTOS
JUDITH A. SANTOS

EXISTING
R/W REFERENCES
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STATE OF MAINE HIGHWAY COMMISSION
RIGHT OF WAY MAP
AMHERST, HANCOCK COUNTY
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SHEET 1 OF 4

EXISTING CHANNEL DIVERSION LIMITS
NO. 5-107

HALF MILE POND BROOK BRIDGE
OVER
HALF MILE POND BROOK
BRIDGE NO. 6246
WIN 021870.00

ITEM	TECH	CHECKED
EXISTING CONDITION PLAN	BDM	
FINAL RIGHT OF WAY	CRS	GLL
AREAS	CRS	GLL

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION - AUGUSTA, ME 04333-0016 - 207-624-3460
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AMHERST HANCOCK COUNTY
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JANUARY 2020 | RIGHT-OF-WAY MAP | D.O.T. FILE NO. 5-308
SCALE 1" = 25' | SHEET 2 OF 2

SHEET NUMBER
14
OF 14