METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BH-7681 (00)X	1	45

007681.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPECIFICATIONS

DESIGN: AASHTO LRFD Bridge Design Specifications, Second Edition 1998 and Interim Specifications 1999.

DESIGN LOADING

Live Load ..... HL - 93 Modified

TRAFFIC DATA

Current (1998) AADT	12530
Future (2018) AADT	15040
DHV - % of AADT	10
Design Hour Volume	1504
% Heavy Trucks (AADT)	5
% Heavy Trucks (DHV)	4
Directional Distribution (DHV)	55
80 kN Equivalent P 2.0	240
80 kN Equivalent P 2.5	265
Design Speed (km/h)	40

HYDROLOGIC DATA

	Bridge		
	West	Center	East
Drainage Area	1813 km²	1813 km²	1813 km²
Design Discharge (Q50)	410 m³/s	410 m³/s	410 m³/s
Check Discharge (Q100)	470 m³/s	470 m³/s	470 m³/s
Headwater Elevation (Q50)	9.12 m	9.11 m	9.15 m
Headwater Elevation (Q100)	9.31 m	9.25 m	9.18 m
Discharge Velocity (Q50)	4.29 m/s	4.58 m/s	1.70 m/s
Discharge Velocity (Q100)	4.43 m/s	4.67 m/s	2.64 m/s

MATERIALS

Concrete:	
Precast	Class "P"
Sidewalks	Class "LP"
Fill Concrete	Class "Fill"
All other Concrete	Class "A"
Reinforcing Steel	ASTM A 615/A 615M, Grade 420
Prestressing Strand	ASTM A416M, Grade 1860 12.7mm dia. uncoated 7 wire low relaxation strand

BASIC DESIGN STRESSES

Class "P" Concrete	f 'c = 48 MPa
Class "LP" Concrete	f 'c = 35 MPa
Class "Fill" Concrete	f 'c = 20 MPa
Class "A" Concrete	f 'c = 30 MPa
Reinforcing Steel	f y = 420 MPa
Prestressing Strand	F y = 1862 MPa

UTILITIES

Bangor Hydro-Electric Company	Verizon
Machias Water & Sanitary District	Pine Tree Cablevision

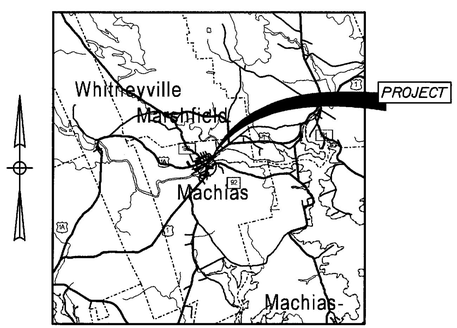
Covered West, Center & East Bridges
OVER
Machias River
IN THE TOWN OF
Machias
Washington County

PROJECT NO. 7679.00, 7680.00, 7681.00

PROJECT LENGTH 0.212 km

BRIDGE REPLACEMENT

BRIDGE NO. 1470, 1469, 2191



LOCATION MAP

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STATE OF MAINE
JOHN E. DOUCETTE
REGISTERED PROFESSIONAL ENGINEER

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

APPROVED:

COMMISSIONER — DATE 03/08/02

CHIEF ENGINEER — DATE 03/08/02

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1

APPROVED:

DIVISION ADMINISTRATOR — DATE

Filename: ...\001_title.dgn Division: BRIDGE Username: Brian Nichols Date: 07 MAR 2002

	Estimated Quantities				
Item	Description	West 7681.00	Center 7679.00	East 7680.00	Total	Units
202.08	Remove Building	0.34	0.33	0.33	1	LS
202.15	Remove Existing Catch Basin	1	2	2	5	EA
202.19	Remove Existing Bridge (685 m^3)	1	1	1	1	LS
203.20	Common Excavation	400	480	750	1630	M3
203.24	Common Borrow	30	190	600	820	M3
203.25	Granular Borrow	260	315	740	1315	M3
206.082	Struc. Earth Excav.-Major Structures	280	650	570	1500	M3
304.10	Aggregate Subbase Course Gravel	275	450	730	1455	M3
403.207	Hot Mix Asphalt-19 mm	110	125	280	515	Mg
403.208	Hot Mix Asphalt-12.5 mm	40	50	105	195	Mg
403.209	Hot Mix Asphalt-(SW, Drive)	15	20	35	70	Mg
403.210	Hot Mix Asphalt-9.5 mm	30	55	57	142	Mg
409.15	Bituminous Tack Coat	550	770	1400	2720	L
502.21	Struc. Conc.-Abut. & Ret.	300	275	334	909	M3
502.41	Struc. Conc.-Superstructure Slab (159 m^3)	1	1	1	159	m3
502.43	Struc. Conc.-Superstructure T Beam (6 m^3)	0	0		6	m3
502.45	Struc. Conc.-Approach Slab	25	25	22	72	M3
502.49	Struc. Conc.-Curbs & SW (86 m^3)	1	1	1	1	LS
502.56	Concrete Fill	0	80	35	115	M3
503.12	Reinf. Steel-Fabricated & Delivered	17600	23350	21800	62750	Kg
503.13	Reinf. Steel-Placing	17600	23350	21800	62750	Kg
503.17	Mechanical/Welded Splice	0	0	20	20	EA
508.14	High Perf. Waterproof Mem. (808 m^3)	1	1	1	1	LS
510.12	Spec. Det., 7.3 m Rd. Width Veh. & Ped. Traffic	Sep.0.34	0.33	0.33	1	LS
511.07	Cofferdam: ABUT 1	1	0	1	1	LS
511.07	Cofferdam: ABUT 2	1	0	1	1	LS
512.081	French Drains (230 m)	1	1	1	1	LS
514.06	Curing Box for Concrete Cylinders	0.34	0.33	0.33	1	EA
515.21	Prot. Coating for Conc. Sur. (1460 m^2)	1	1	1	1	LS
526.323	Texas Classic Rail	30	125	105	1	LS
535.62	Concrete Box Beams (626 m^3)	1	1	1	1	LS
603.15	300 mm Culvert Option I	2	3	19	24	M
603.159	300 mm Culvert Option III	9	10	8	27	M
604.072	Catch Basin Type A1-C	2	2	3	7	EA
606.17	Guardrail-Type 3b	4	0	0	4	M
606.1721	Bridge Transition-Type I	3	1	2	6	EA
606.22	Guardrail-Type 3b-over 4.5 m radius	0	0	18	18	M
606.265	Terminal End- Single Rail- Galvanized Steel	2	0	1	3	EA
606.35	Guardrail Delineator Post	4	2	4	10	EA
606.76	M.E.L.T.	2	0	1	3	EA
606.78	Low Volume Guardrail End	0	0	1	1	EA
609.11	Vertical Curb Type I	61	83	61	205	M
609.12	Vert. Curb Type I- Circular	0	0	60	60	M
609.132	Vertical Curb Type 1B	30	55	55	140	M
609.237	Terminal Curb Type I-2.1 m	2	2	11	15	EA
610.08	Plain Riprap	185	110	25	320	M3
615.07	Loam	20	10	10	40	M3
617.381	Woodwaste Ero. Cont. Mix	10	10	10	30	M3
618.1401	Seeding Method #2, Plan Quantity	5	3	2	10	UN
619.1201	Mulch, Plan Quantity	5	3	2	10	UN
626.2211	Non-Met. Conduit	22	22	22	66	M
626.2212	Non-Met. Conduit: Inst. Only	128	128	128	384	M
626.222	NMC: Conc. Class B Enc., Inst. Only	51	51	51	153	M
626.223	NMC: Conc. Class B Enc.	33	32	33	98	M
627.71	100 mm White Pavement Marking	100	140	250	490	M
627.73	100 mm Yellow Pavement Marking	50	70	125	245	M
627.77	Remove Pavement Markings	38	38	38	114	M2
627.78	Temporary Pavement Markings	375	375	375	1125	M
629.05	Hand Labor-Straight Time	20	25	25	70	MH
631.10	Air Compressor (inc. oper.)	10	10	10	30	HR
631.11	Air Tool (inc. oper.)	10	10	10	30	HR
631.12	All-Purpose Excavator	15	20	15	50	HR
631.13	Bulldozer (inc. oper.)	15	20	15	50	HR
631.14	Grader (inc. oper.)	15	20	15	50	HR
631.15	Roller-Earth & Base Course	15	20	15	50	HR
631.16	Roller-Pavement (inc. oper.)	10	10	10	30	HR
631.171	Truck Small (inc. oper.)	15	20	15	50	HR
631.172	Truck Large (inc. oper.)	10	10	10	30	HR
631.22	Front End Loader	15	20	15	50	HR
631.36	Foreman	10	10	10	30	MH
637.071	Dust Control	0.34	0.33	0.33	1	LS
639.18	Field Office Type A	0.34	0.33	0.33	1	EA
652.30	Flashing Arrow Board	0.67	0.66	0.67	2	EA
652.31	Type 1 Barricade	10	10	10	30	EA
652.312	Type III Barricade	2	0	2	4	EA
652.33	Drum	10	10	20	40	EA
652.34	Cone	10	10	20	40	EA
652.35	Construction Signs	20	20	20	60	M2
652.361	Maintenance Of Traffic Cont. Dev. (575 CD)	0.34	0.33	0.33	1	LS
652.38	Flagger	800	800	800	2400	MH
656.55	Dumped Stone	0	20	0	20	M3
656.75	Temp. Soil Erosion & Water Pollution Control	0.34	0.33	0.33	1	LS
659.10	Mobilization	0.34	0.33	0.33	1	LS
660.21	On-the-Job Training	1000	1000	1000	3000	MH

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F.H.W.A. ROD. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BH-7681 (00)X	2	45

BH-7679 (00)X
BH-7680 (00)X
007681.00

GENERAL CONSTRUCTION NOTES:

1. All utility facilities shall be adjusted by the respective utilities unless otherwise noted.
2. For easements, construction limits, and right-of-way lines, refer to Right of Way Map.
3. During construction, traffic shall be maintained on a temporary bridge. Piers founded below water shall be rock anchored, pile bent piers unless they are located within the acceptable areas for temporary footings as shown on the General Plan. Refer to Special Provision Section 510 for additional requirements.
4. Place a 600 mm wide strip of temporary erosion control blanket on the side slopes along the top of the riprap and behind the wingwalls.
5. All embankment material, except as otherwise shown, placed below Elevation 8.00 m, shall be granular borrow meeting the requirements of Subsection 703.19, Material for Underwater Backfill.
6. The clearing limits as shown on the plans are approximate. The exact limits shall be established in the field by the Engineer. Payment for clearing will be incidental to related Contract items.
7. Place loam 50 mm deep on all slopes.
8. Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Engineer.
9. In areas where the Engineer 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 150 mm or less thick will be made under appropriate equipment rental items.
10. Two guardrail delineator posts shall be installed at each leading guardrail end and one at each trailing guardrail end.
11. Protective coating for concrete surfaces shall be applied to the following areas:
    All exposed surfaces of concrete curbs and sidewalks,
    Fascia down to drip notch,
    All exposed surfaces of concrete transition barriers,
    All exposed surfaces of concrete Retaining Walls.

GENERAL CONSTRUCTION NOTES Cont.:

12. Plans of the existing bridge are available for the Contractor's reference at the Bridge Design Office in Augusta. 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.
13. A hydrologic report of the bridge site is available for the Contractor's reference at the Bridge Design Office in Augusta. The hydrologic report is based on the Department's interpretation of 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.
14. Payment for removal of Existing Concrete Roadway Slabs, as shown on plans of the Existing Bridges, shall be made under item no. 203.20, Common Excavation.
15. Any shoring required to support the roadway embankment shall be designed and maintained in serviceable condition. Payment for shoring, installation, maintenence and all labor and equipment necessary to preform the work shall be considered incidental to item no. 510.12, Special Detour. No seperate payment shall be made.
16. Existing Piers shall be removed 300mm below mudline or to ledge. Containment of debris from removal operations must be addressed in the Contractors Soil Erosion and Water Pollution Control Plan.
17. Existing Retaining Wall between Stations 3+240± and 3+270± shall be removed to the top of footing of the new Retaining Wall at the same Station. Payment shall be considered incidental to Item * 202.19. No seperate payment shall be made.
18. Rip rap shall be underlain with a class A, non woven geotextile from M.D.O.T.'s preapproved product list. Payment for material and installation shall be considered incidental to item no. 610.08, plain rip rap; no separate payment shall be made.
19. Stone for french drain shall be surrounded by a class A, non woven geotextile from M.D.O.T.'s preapproved product list. Payment for material and installation shall be considered incidental to item no. 512.081, french drain; no separate payment shall be made.
20. Although no known contamination exists on the project site, there are several potential sources adjacent to the project. Specifically, both the westerly and easterly approaches have areas proximal to the project that may be impacted by contamination. In light of this, the Contractor shall remain alert for evidence of contamination. 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 Engineer. The Engineer shall contact the hydrogeologist in MDOT's Environmental Office at 207-624-3103 and the Maine Department of Environmental Protection at 800-482-0777. Work may only continue with authorization from the Engineer. Payment for stoppage of work and any special disposal activity associated with contamination shall be made in accordance with section 109 of the Supplemental Specifications.

BRIDGE NO. 1470

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

Covered Bridges
OVER
Machias River
IN THE TOWN OF
Machias
Washington County

ESTIMATED QUANTITIES

SHEET OF AUGUSTA, MAINE

PROJECT DESIGN ENGINEER | BY | DATE
DESIGN-DETAILED | ETC | DMS | -----
CHECKED | ----- | ----- | -----
PLANS | REVISIONS | ----- | ----- | -----
FIELD CHANGES | ----- | ----- | -----

Filename: ...\002_estimate.dgn Username: Brian Nichols Date:14 MAR 2002
Division: BRIDGE

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BR-7679(00)X	3	45
				007679.00		

P1 = 3+020.685
Δ = 42°-06'-09.8" LT.
R = 275.000
L = 202.079
T = 105.846
E = 19.666

2+965 RTE. 1 (DUBLIN ST.) =
0+000 GROVE ST.

Begin Project
Match Highway Project
PC = STA 3+080.000

STA. 3+065 RTE. 1 (DUBLIN ST.) =
STA. 2+200 ELM ST.

Curve Data #1
PI Sta. 3+022.460
Δ = 41°14'15.5"
T = 103.469
L = 197.927
R = 275.000
E = 18.821

FLOW

Acceptable Temporary In-Water Footing locations for Piers. See Special Provision 510

Acceptable Temporary In-Water Footing locations for Piers. See Special Provision 510

Approximate Temporary Centerline

℄ Abut. 1
Sta. 3+089.159

℄ Abut. 2
Sta. 3+102.307

PT = STA 3+116.918

Removable Bollards See Superstructure sheet No. 27

Utility vault by others

Utility conduit by others. See Superstructure sheet No. 27 for details (Typ.)

℄ Abut. 1
Sta. 3+163.584

℄ Abut. 2
Sta. 3+190.084

Existing Catch Basin & Outlet Pipe to be removed

300 mm Culvert Option 3

300 mm Culvert Option 1

4°32'17" Skew to long chord

3+000
3+020
3+040
3+060
3+080
3+100
3+120
3+140
3+160
3+180
3+200

CB-1
CB-2
CB-3
CB-4

300mm Culvert - Option 3

300mm Culvert - Option 1

COVERED WEST BRIDGE
12.5 m Clear Span

COVERED CENTER BRIDGE

Utility conduit by others. See Superstructure sheet No. 27 for details (Typ.)

Bridge No. 1469

SIGHT PC 2+914.339

REMOVE

O'BRIEN AVE.

P1 = 0+212.544
Δ = 59°-26'-50.7" RT.
R = 15.000
L = 15.563
T = 8.564
E = 2.273

PC = STA 12+057

P1 = 0+243.661
Δ = 46°39'37.3" LT.
R = 400.000
L = 325.524
T = 172.271
E = 35.331

N87°35'40.5"E

PC 2+214.288

SIGHT PC 2+214.220

150mm U.D. OUTLET

ELM ST.

PT 2+249.458

N20°25'34.3"E

2+240

2+260

12+000
12+020
12+040
12+060

300mm
375mm
150mm
450mm

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED		
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

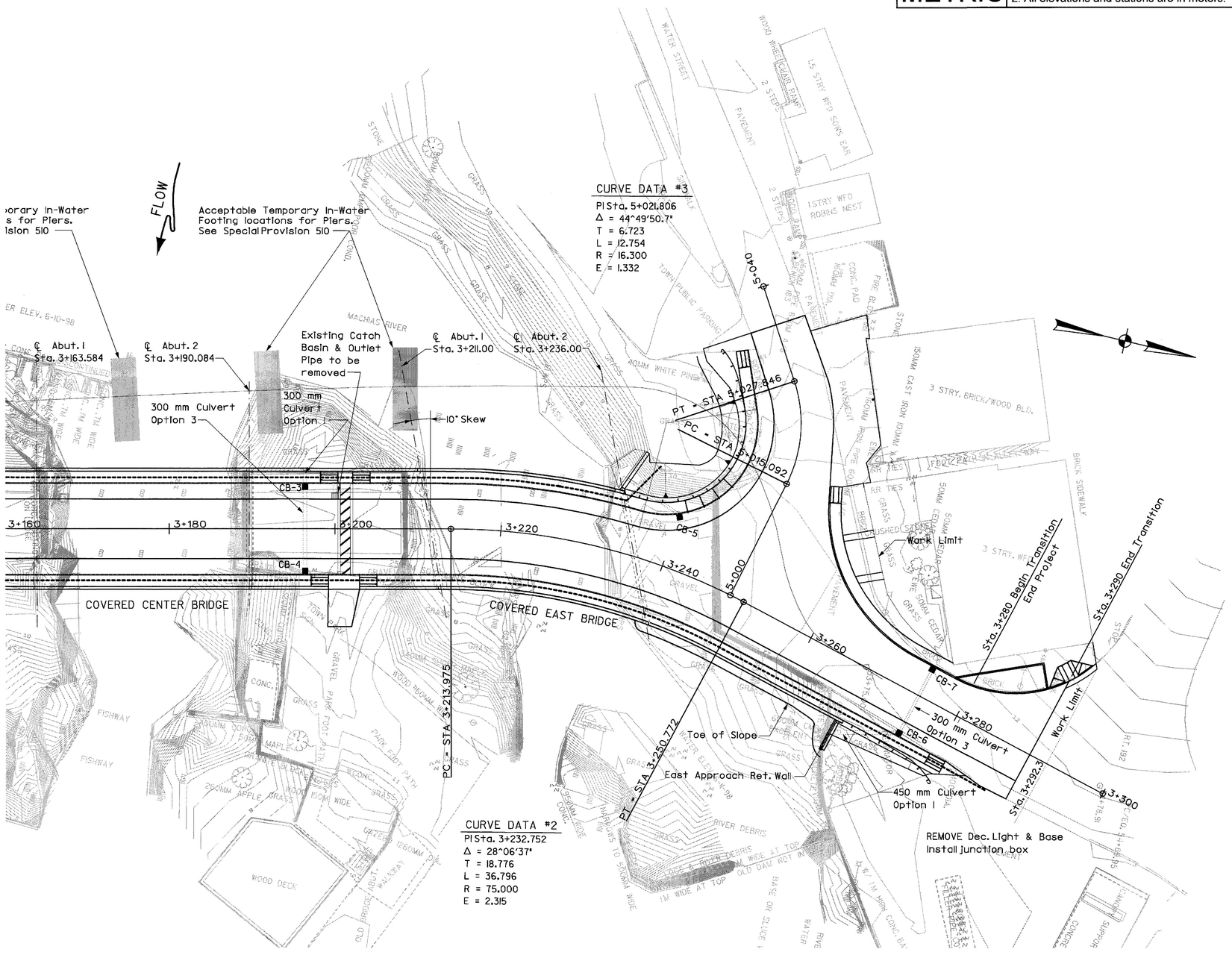
Covered Bridges
OVER
Machias River
IN THE TOWN OF
Machias
Washington County

PLAN

SHEET OF AUGUSTA, MAINE

Filename: ...\003_bdplan1.dgn Division: BRIDGE Username: Brian Nichols Date:14 MAR 2002

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BR-7679(00)X	4	45
				007679.00		



Bridge No. 1469

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

Covered Bridges
OVER
Machias River
IN THE TOWN OF
Machias
Washington County

PLAN

SHEET OF AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED		
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

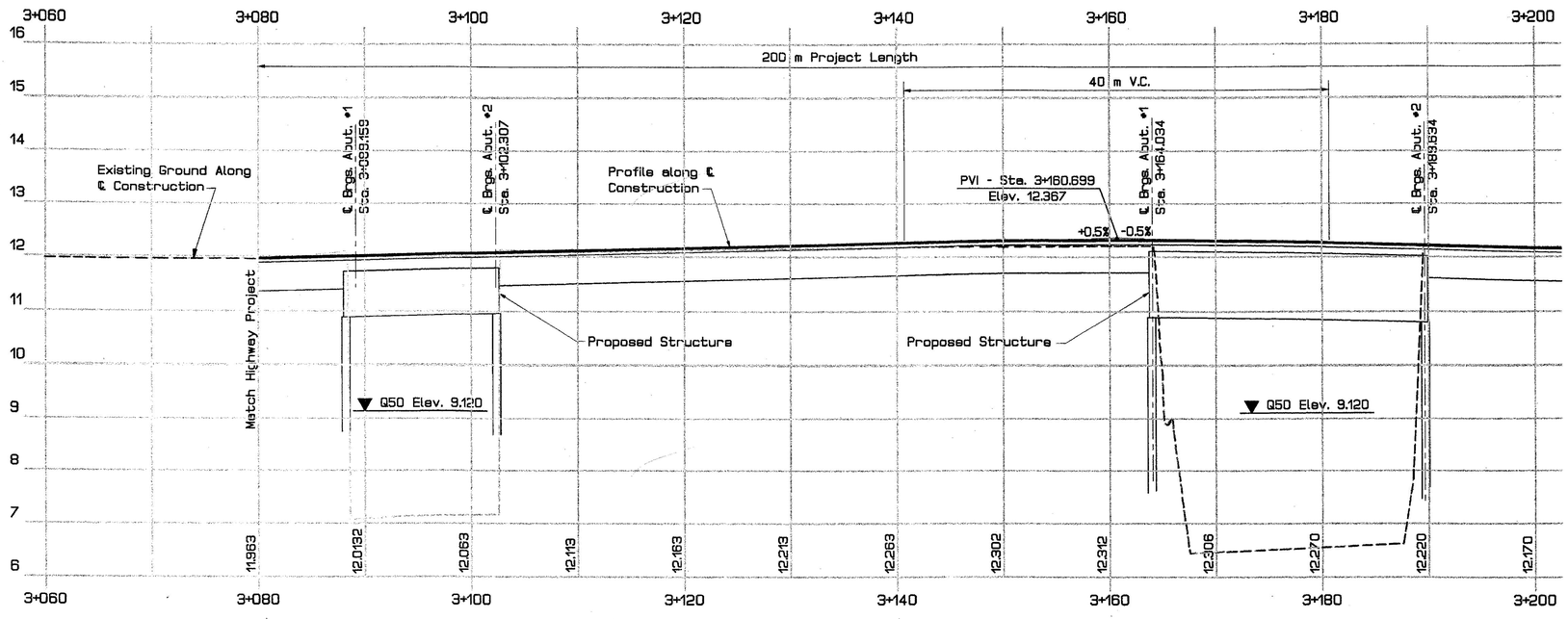
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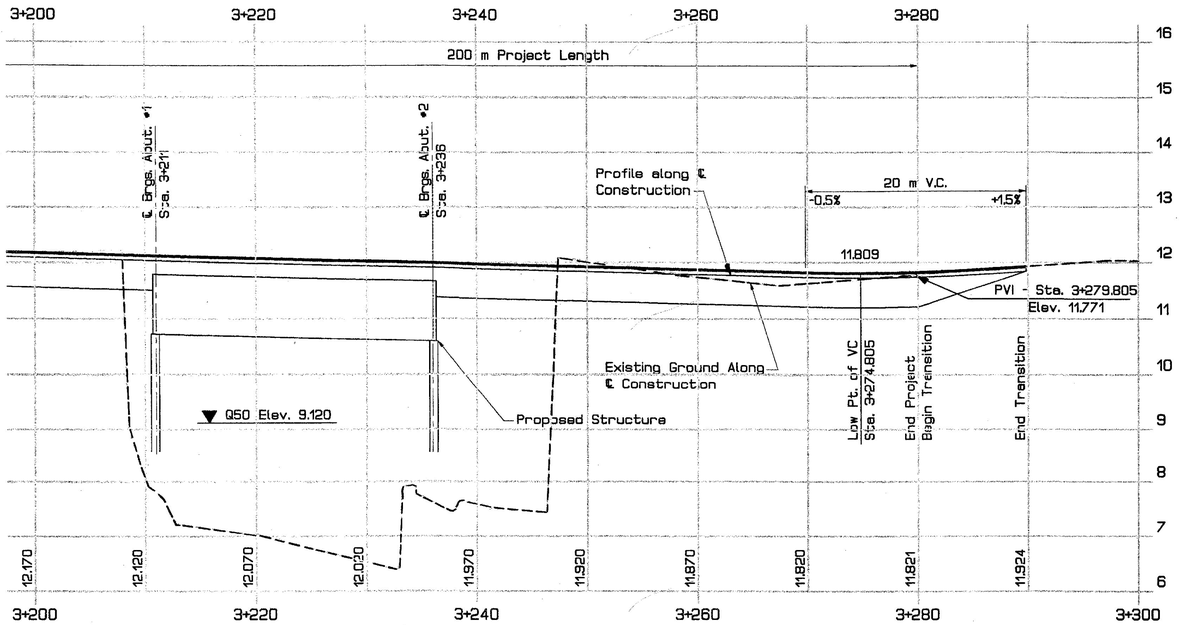
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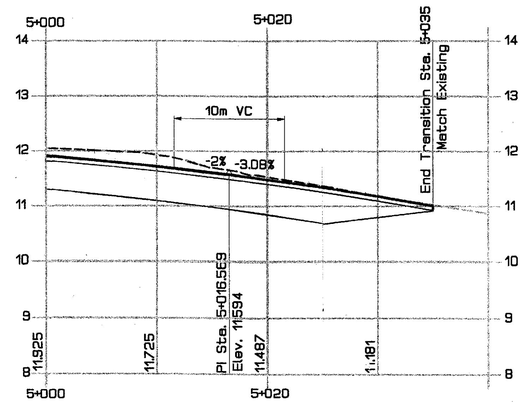
METRIC

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F.H.W.A. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BH-7679(000)X BH-7680(000)X BH-7681(000)X	5	45







PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	K.MC	3/00
CHECKED	ANG	
REVISIONS		
FIELD CHANGES		

PLANS

STAGE
01MAR00-0100.10
PROF1

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

COVERED WEST, CENTER, AND EAST BRIDGES
OVER
MACHIAS RIVER
IN THE TOWN OF
MACHIAS
WASHINGTON COUNTY

PROFILE

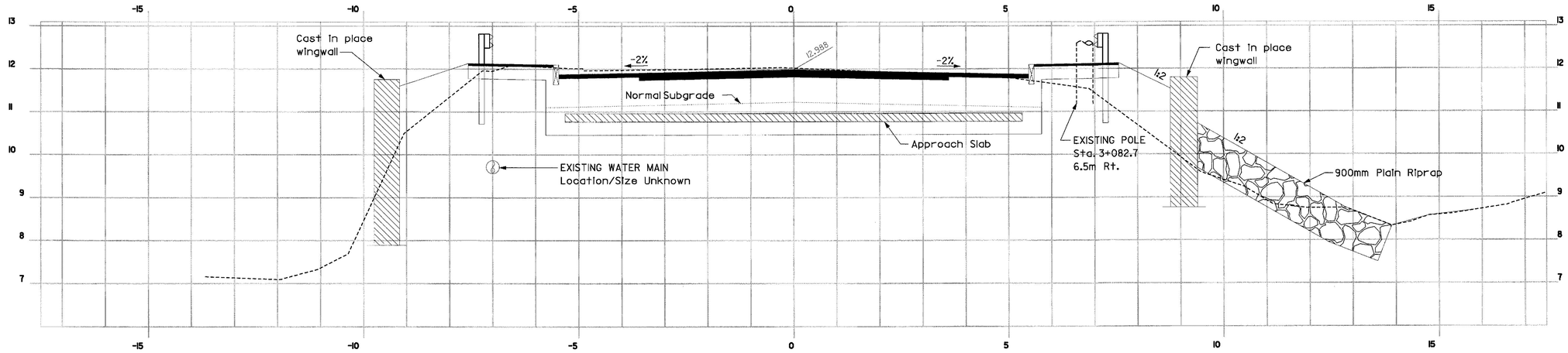
SHEET OF AUGUSTA, MAINE

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METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.

F.H.W.A. RDG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BH-7681 (00)X	6	45

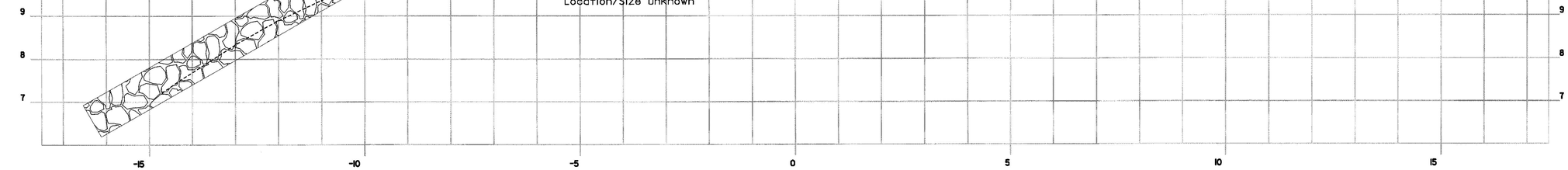
007681.00



Install Bridge Transition Type I
Sta. 3+082.436 to Sta 3+088.352

3+085.00

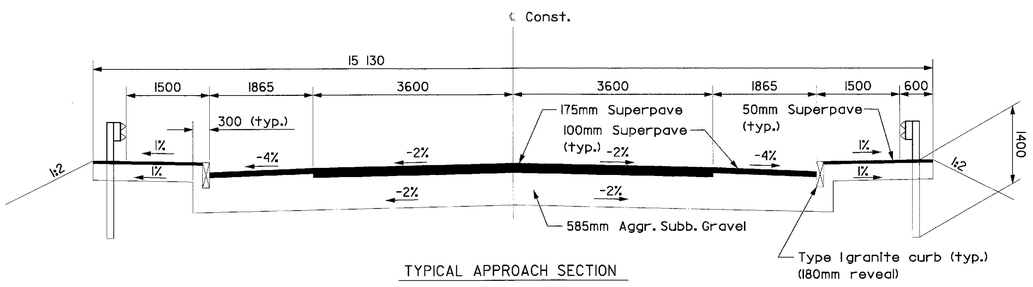
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Sta. 3+084.225 to Sta 3+089.690



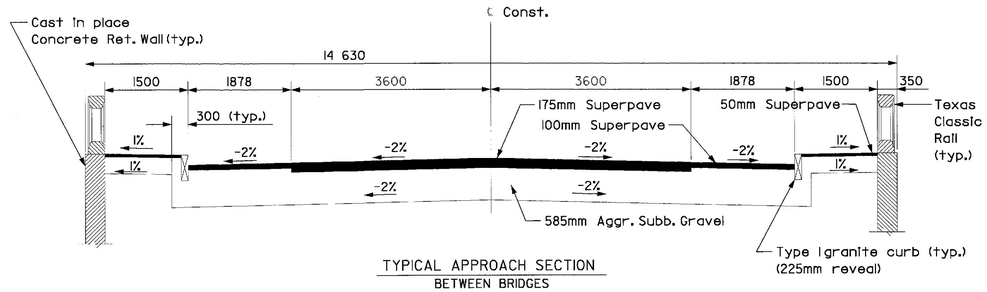
3+080

BEGIN PROJECT
STA. 3+080

MATCH HIGHWAY PROJECT
@ STA. 3+080



TYPICAL APPROACH SECTION



TYPICAL APPROACH SECTION
BETWEEN BRIDGES

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN DETAILED	ETC	
CHECKED	DMS	
REVISIONS		
FIELD CHANGES		

PLANS

Filename: ...\006_x30.dgn Username: Brian Nichols Date:14 MAR 2002 Division: BRIDGE

STA. X+XXX TO STA. Y+YYY

MACHIAS SECTIONS MA50 HORIZ. 1:5 VERT. 1:5

Machias Main St., Route 1

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BH-7681 (00)X	7	45

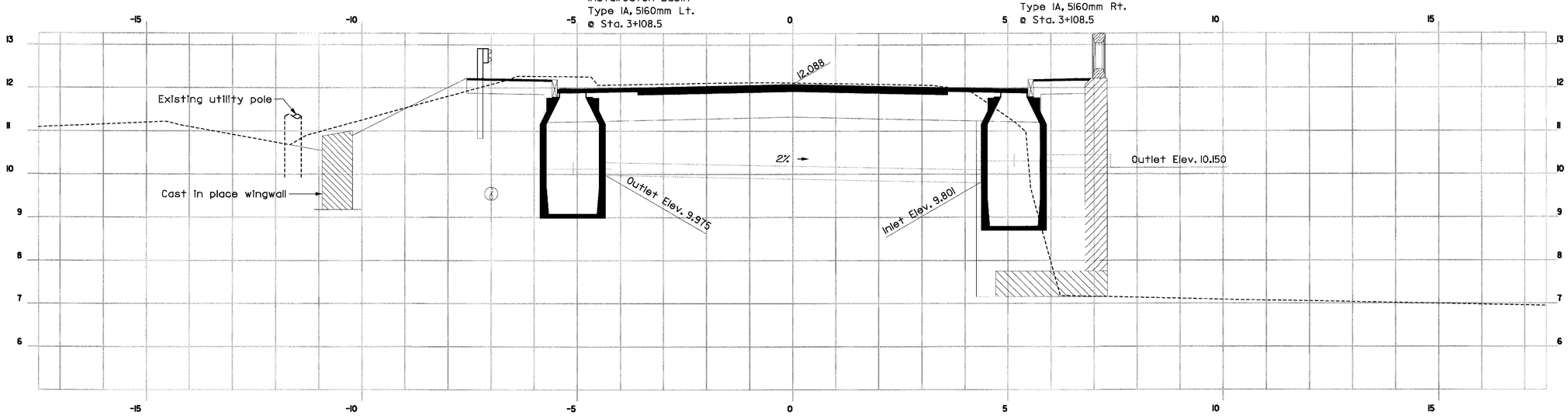
007681.00

Install 8.8 m Option 3
culvert pipe, CB to CB
@ Sta. 3+108.5

Install Catch Basin
Type 1A, 5160mm Lt.
@ Sta. 3+108.5

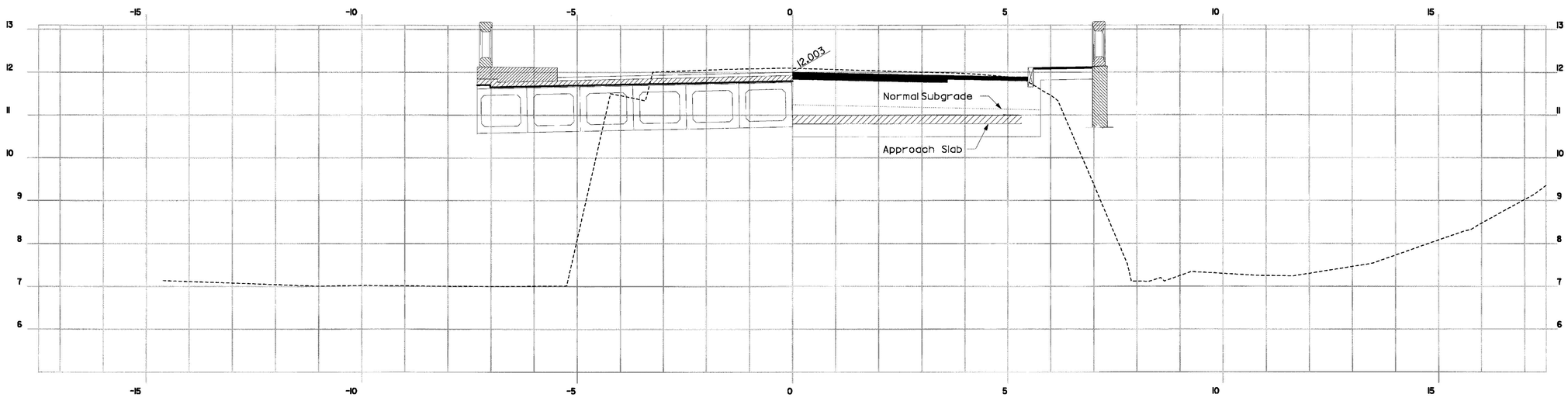
Install 1.5 m Option 1
culvert pipe, CB to Outlet
@ Sta. 3+108.5

Install Catch Basin
Type 1A, 5160mm Rt.
@ Sta. 3+108.5



3+105.00

Install 3.810 m Type 3b Single Rail
Sta. 3+107.800 to Sta. 3+111.730



3+088.00

Install Bridge Transition Type 1
Sta. 3+101.890 to Sta 3+107.800

PROJECT DESIGN ENGINEER		BY	DATE
PLANS	DESIGN-DETAILED	ETC	DMS	------
	CHECKED	------	------	------
	REVISIONS	------	------	------
	FIELD CHANGES	------	------	------

Username: Brian Nichols Date:14 MAR 2002

Division: BRIDGE

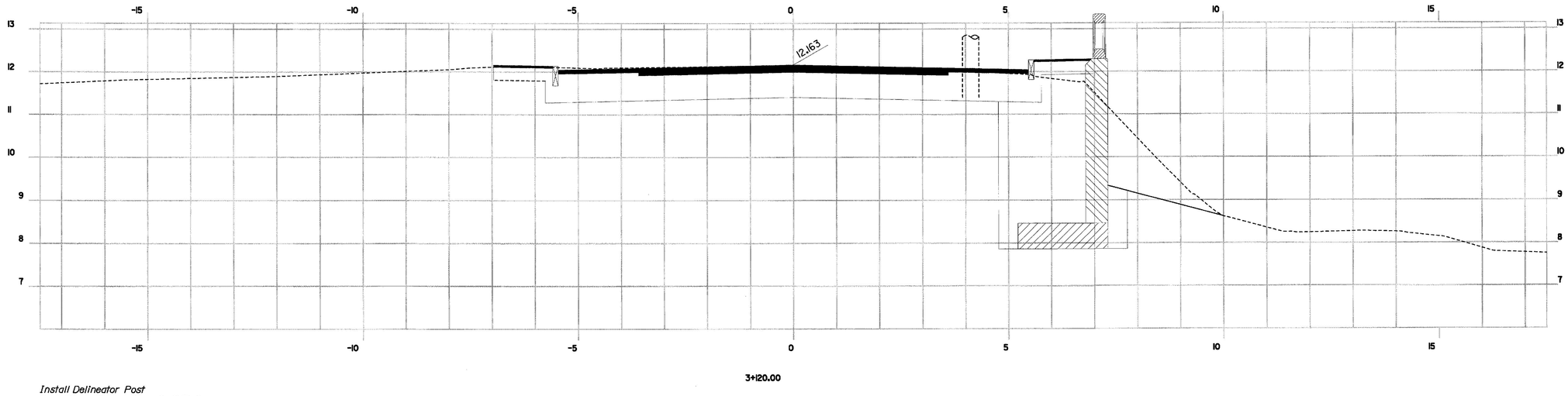
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MACHIAS SECTIONS MA50 HORIZ. 1:5 VERT. 1:5

Machias Main St., Route 1

STA. X+XXX TO STA. Y+YYY

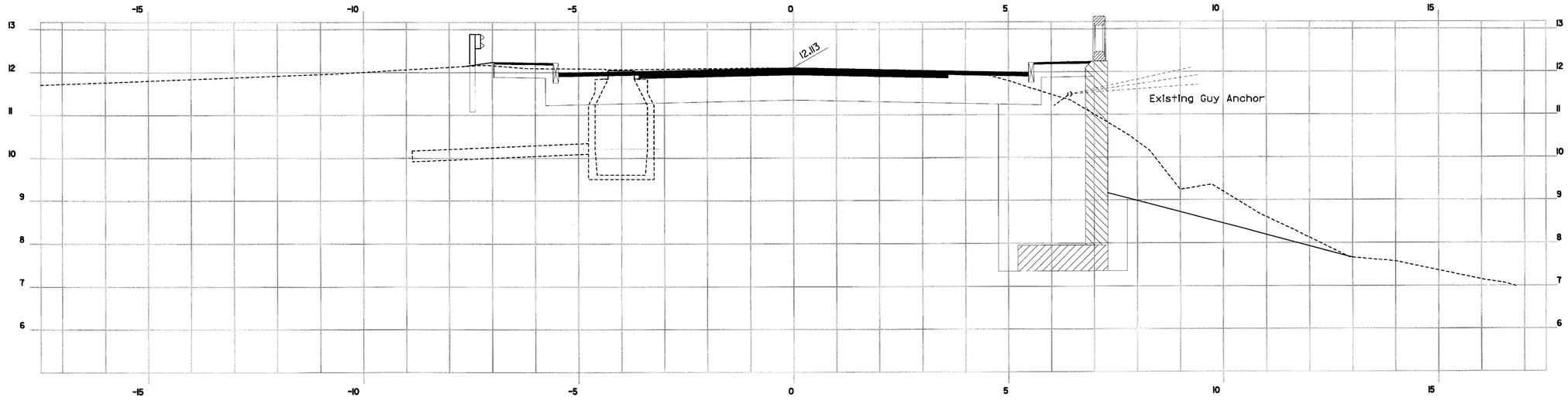
METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BH-7681 (00)X	8	45
				007681.00		



3+120.00

Install Delineator Post
Install Low Volume Guardrail End
Sta. 3+128.700 to Sta. 3+139.925
Install Delineator Post

REMOVE EXISTING CB & OUTLET PIPE
@ Sta. 3+111+/- Lt.



3+110.00

Install Delineator Post
Install Low Volume Guardrail End
Sta. 3+111.730 to Sta. 3+123.075
Install Delineator Post

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	ETC	DMS
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

Username: Brian Nichols Date:14 MAR 2002

Division: BRIDGE

Filename: ...\008_x32.dgn

MACHIAS SECTIONS MA50 HORIZ. 1:5 VERT. 1:5

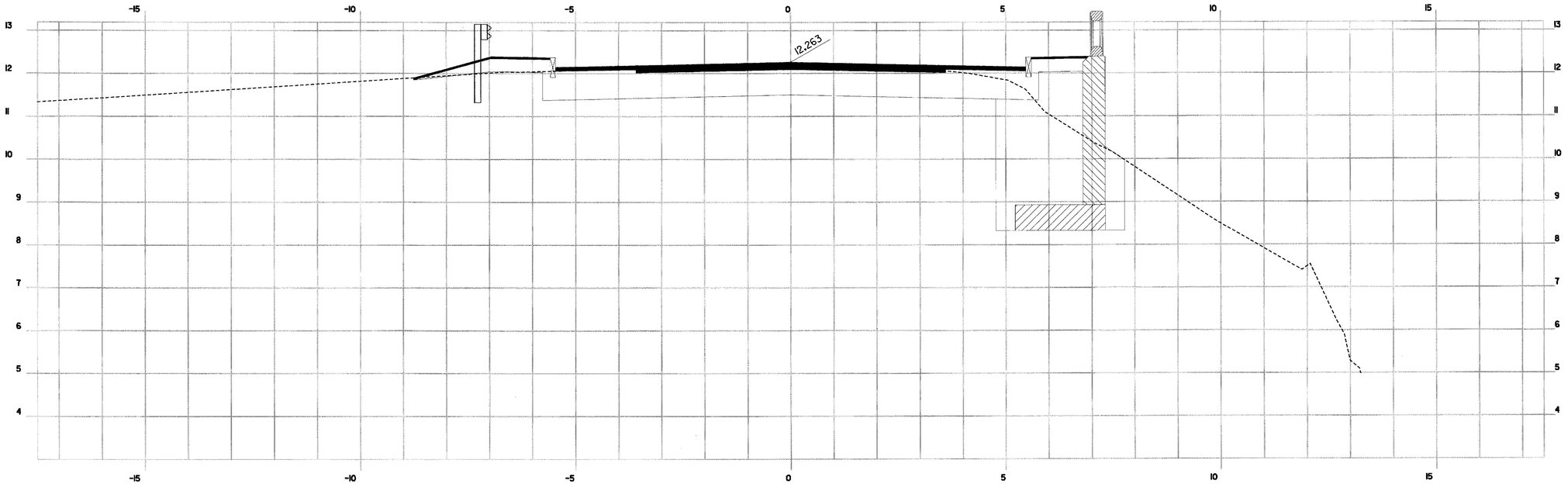
Machias Main St., Route 1

STA. X+XXX TO STA. Y+YYY

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BH-7681 (00)X	9	45

007681.00



Install Bridge Transition Type I
Sta. 1+139.925 to Sta. 1+145.700

PROJECT DESIGN ENGINEER		BY	DATE
PLANS	DESIGN-DETAILED	ETC	DWS
	CHECKED	-----	-----
	REVISIONS	-----	-----
	FIELD CHANGES	-----	-----

Username: Brian Nichols Date:14 MAR 2002

Division: BRIDGE

Filename: ...\009_x33.dgn

MACHIAS SECTIONS MA50 HORIZ. 1:5 VERT. 1:5

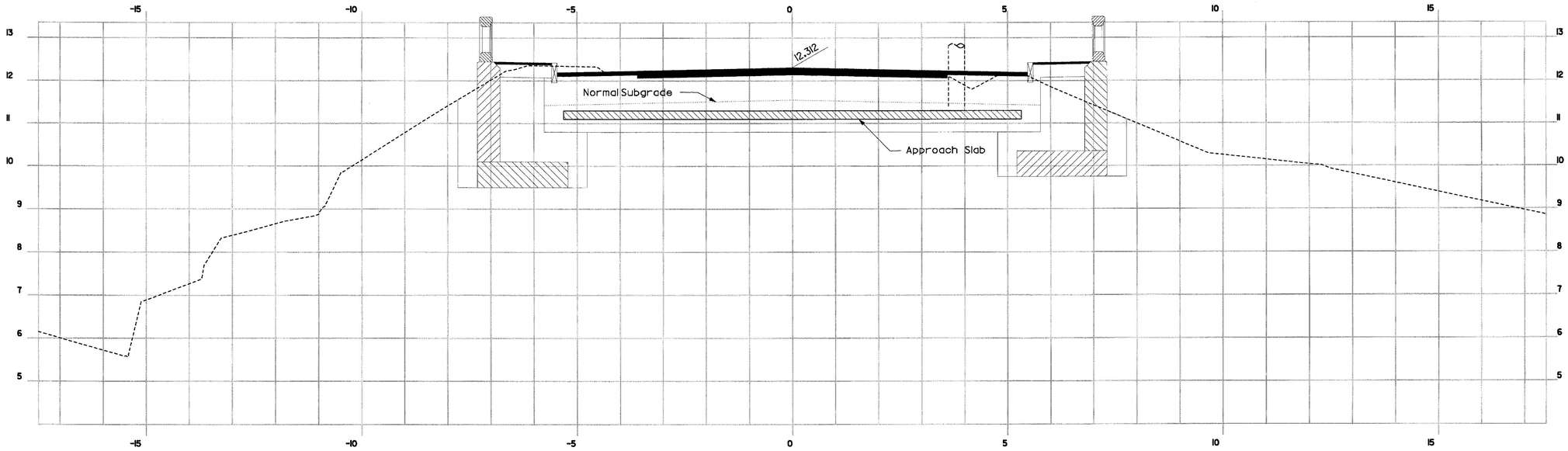
Machias Main St., Route 1

STA. X+XXX TO STA. Y+YYY

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BH-7681 (00)X	10	45

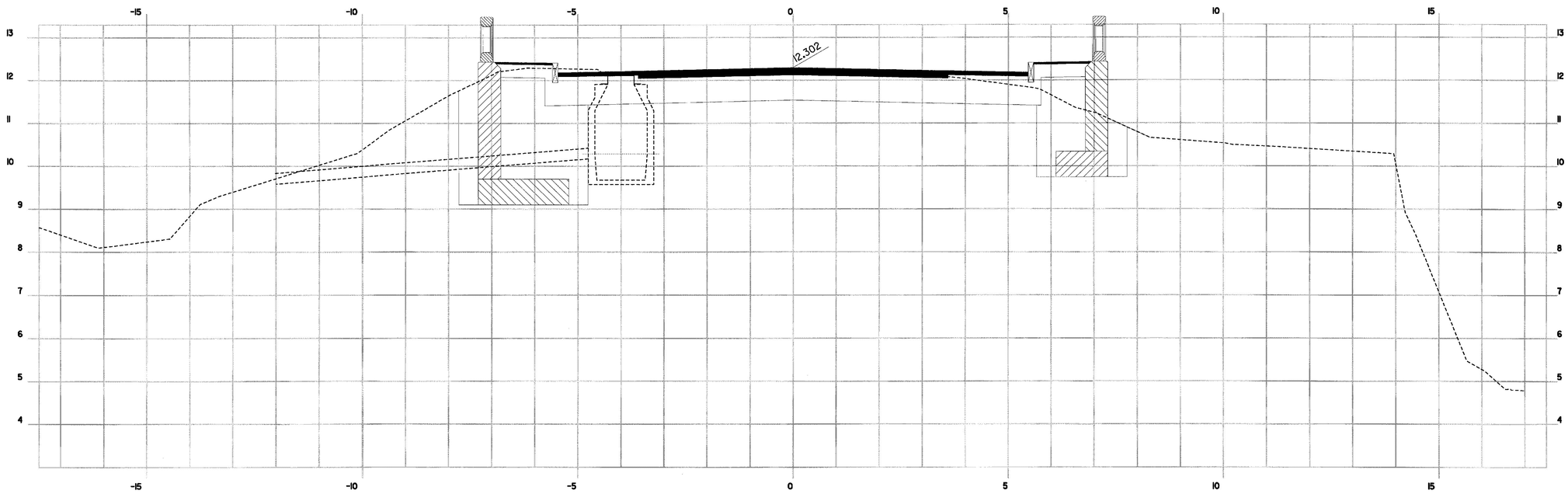
007681.00

Existing Pole
To be Relocated by Utility
Sta. 3+162, 3.8m Rt.



3+160.00

Remove Existing CB and Outlet Pipe
Sta. 3+151.5+/- Lt.



3+150.00

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	ETC	
CHECKED	DMS	
REVISIONS		
FIELD CHANGES		

PLANS

Username: Brian Nichols Date:14 MAR 2002

Division: BRIDGE

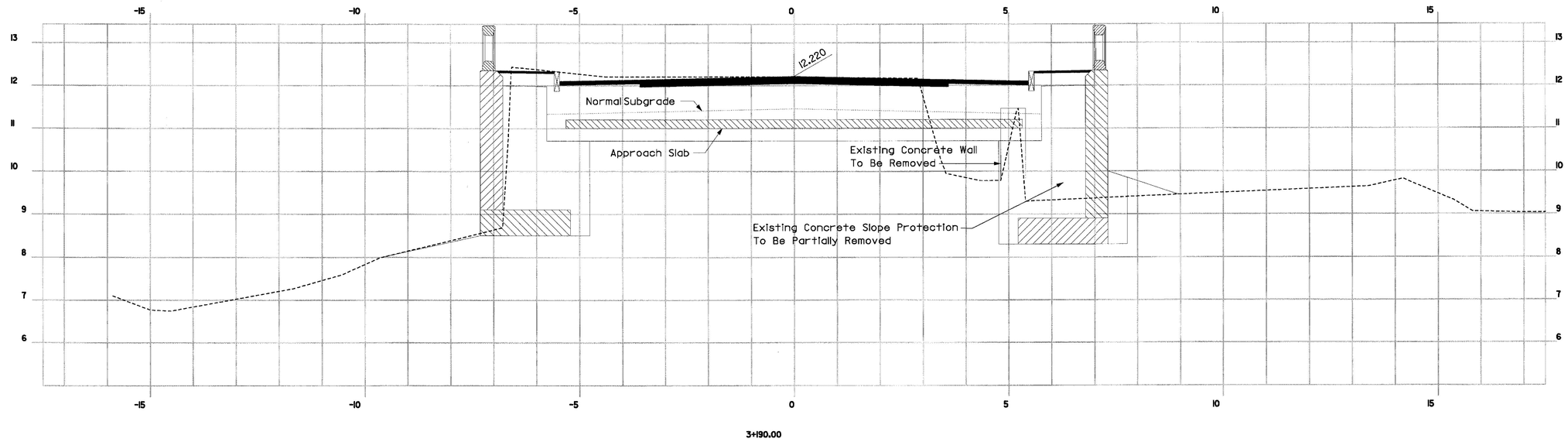
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MACHIAS SECTIONS MA50 HORIZ. 1:5 VERT. 1:5

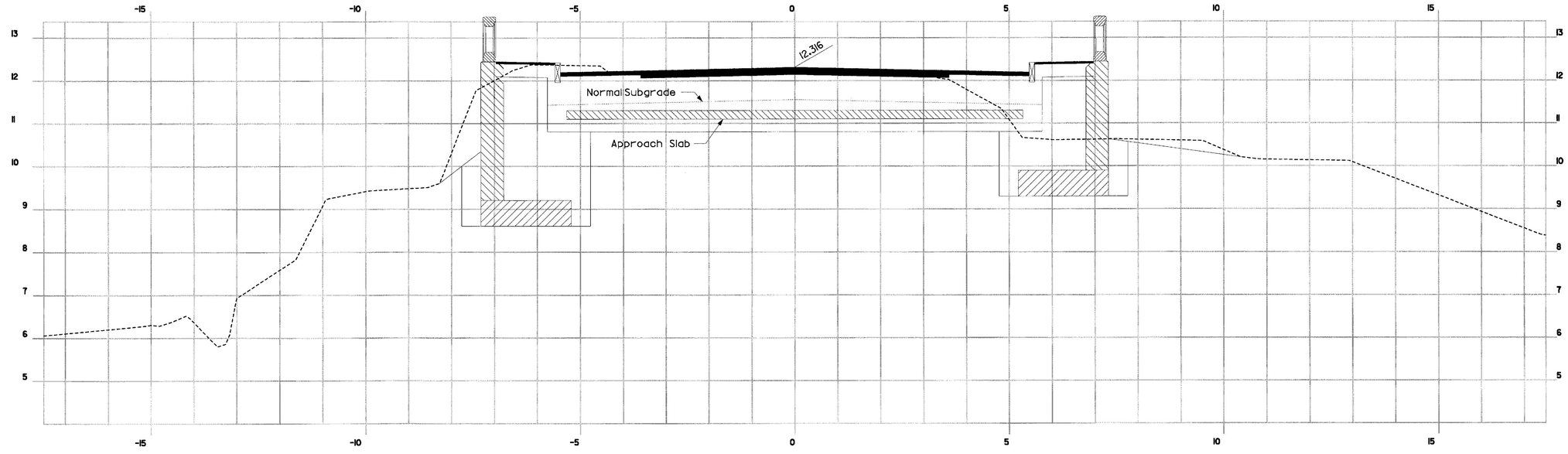
Machias Main St., Route 1

STA. X+XXX TO STA. Y+YYY

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BH-7681 (00)X	11	45
				007681.00		



3+190.00



3+163.00

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN DETAILED	ETC	DMS
CHECKED	-----	-----
REVISIONS	-----	-----
FIELD CHANGES	-----	-----

PLANS

Filename: ...\011_x35.dgn Date:14 MAR 2002

Username: Brian Nichols Division: BRIDGE

MACHIAS SECTIONS MA50 HORIZ. 1:5 VERT. 1:5

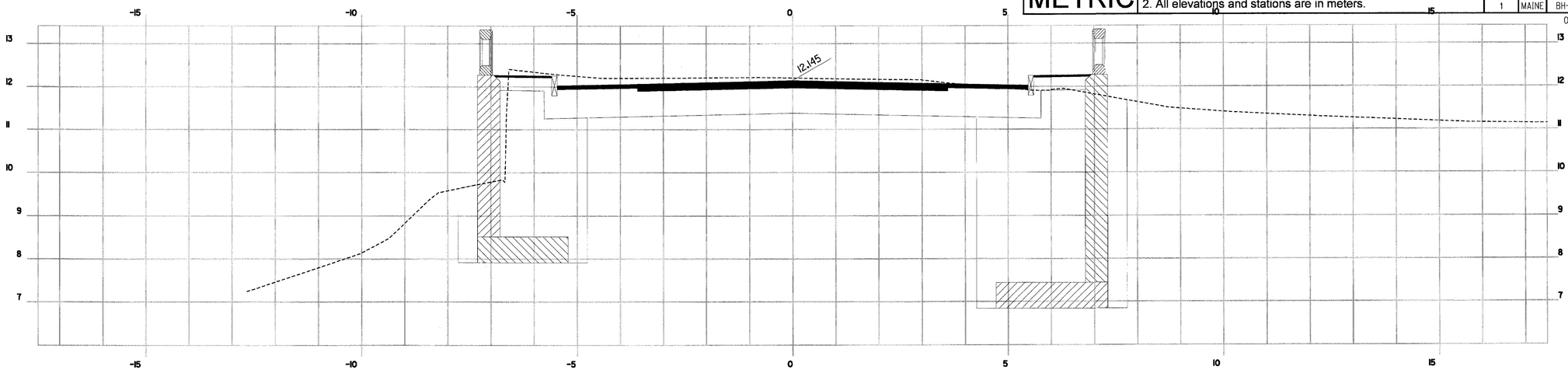
Machias Main St., Route 1

STA. X+XXX TO STA. Y+YYY

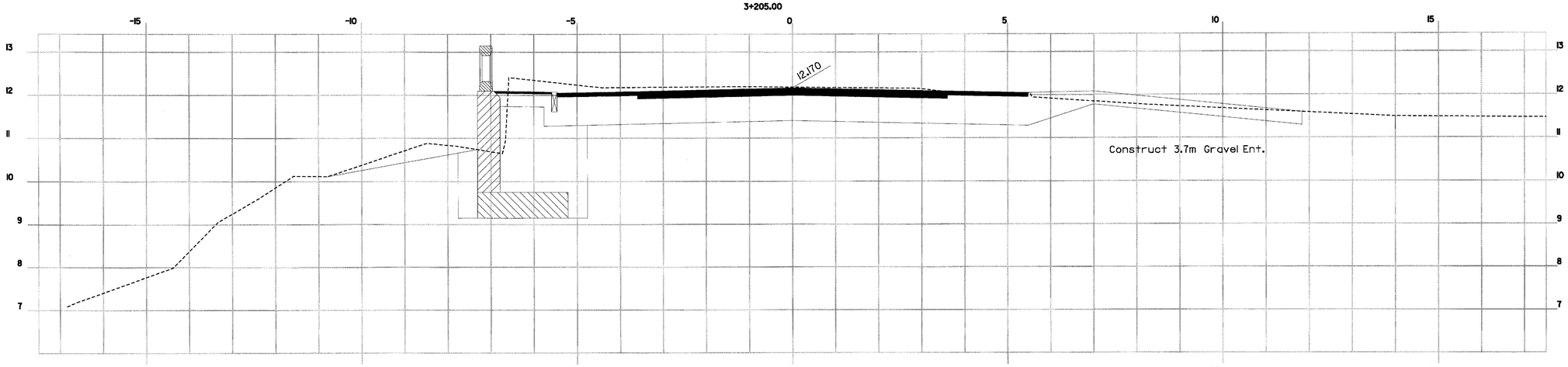
METRIC 1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BH-7681 (00)X	12	45

007681.00

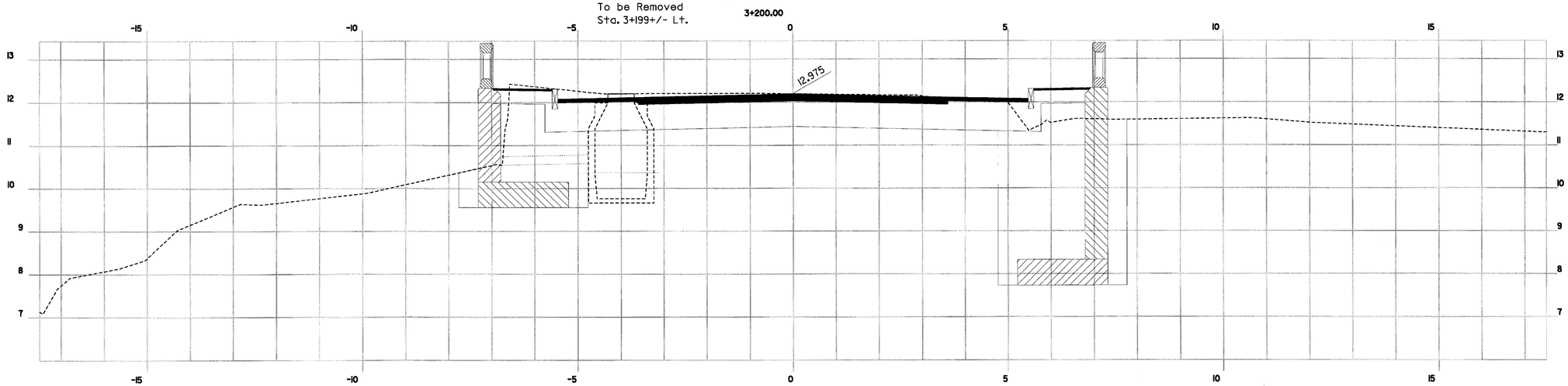


3+205.00



Existing CB & outlet pipe
To be Removed
Sta. 3+199+/- Lt.

3+200.00



3+195.00

MACHIAS SECTIONS MA50 HORIZ. 1:5 VERT. 1:5

Machias Main St., Route 1

STA. X+XXX TO STA. Y+YYY

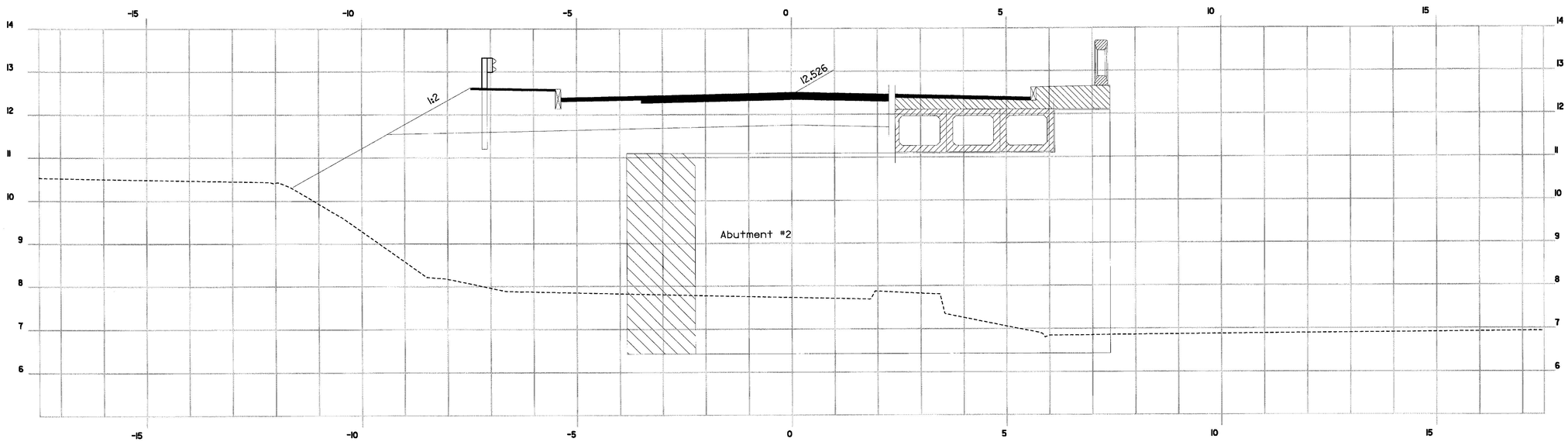
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	ETC	DMS
CHECKED	_____	_____
REVISIONS	_____	_____
FIELD CHANGES	_____	_____

PLANS

Filename: ...\012_x36.dgn Username: Brian Nichols Date:14 MAR 2002

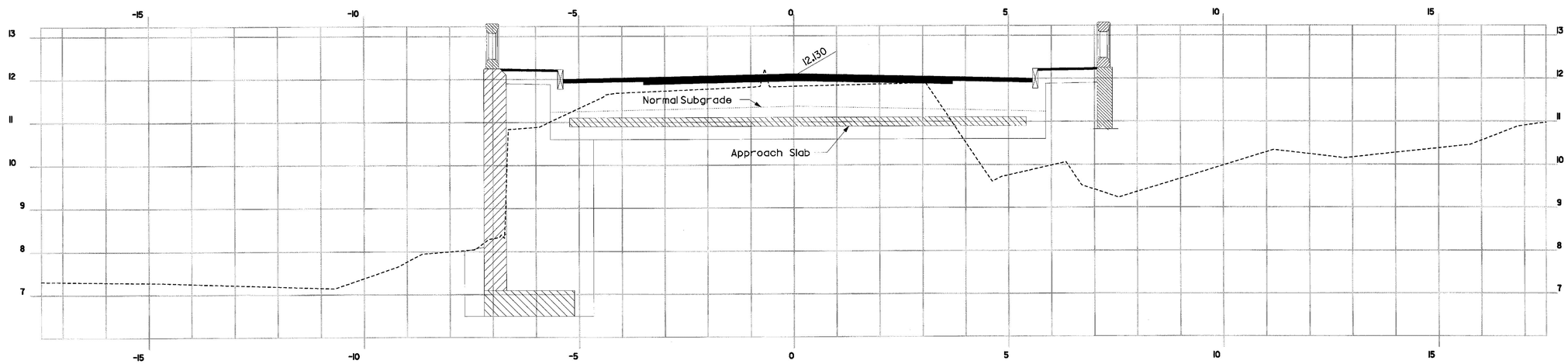
Division: BRIDGE

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BH-7681 (00)X	13	45
				007681.00		



3+235.00

Install Bridge Transition Type 1
Sta. 3+232.399 to Sta. 3+237.542
Install 3.810 m Type 3b Single
Rail 10m radius
Sta. 3+237.542 to Sta. 5+018.738



3+208.00

PROJECT DESIGN ENGINEER		BY	DATE
PLANS	DESIGN-DETAILED	ETC	
	CHECKED	DMS	
	REVISIONS	------	------
	FIELD CHANGES	------	------

Filename: ...\013_x37.dgn Username: Brian Nichols Date:14 MAR 2002 Division: BRIDGE

MACHIAS SECTIONS MA50 HORIZ. 1:5 VERT. 1:5

Machias Main St., Route 1

STA. X+XXX TO STA. Y+YYY

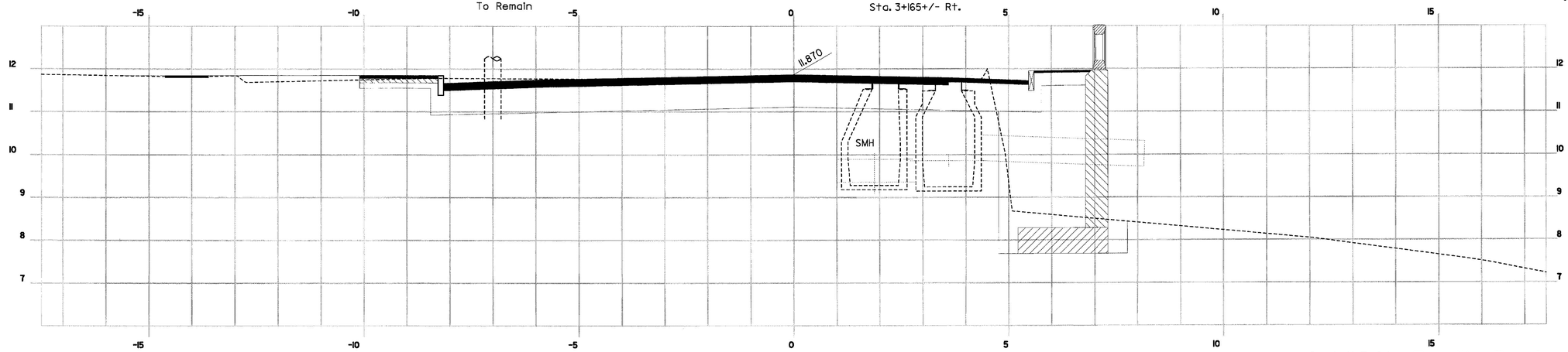
Existing Decor. Light Pole
Sta. 3+266.483 Lt.
To Remain

Existing CB & Outlet Pipe
To be Removed
Sta. 3+165+/- Rt.

METRIC
1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

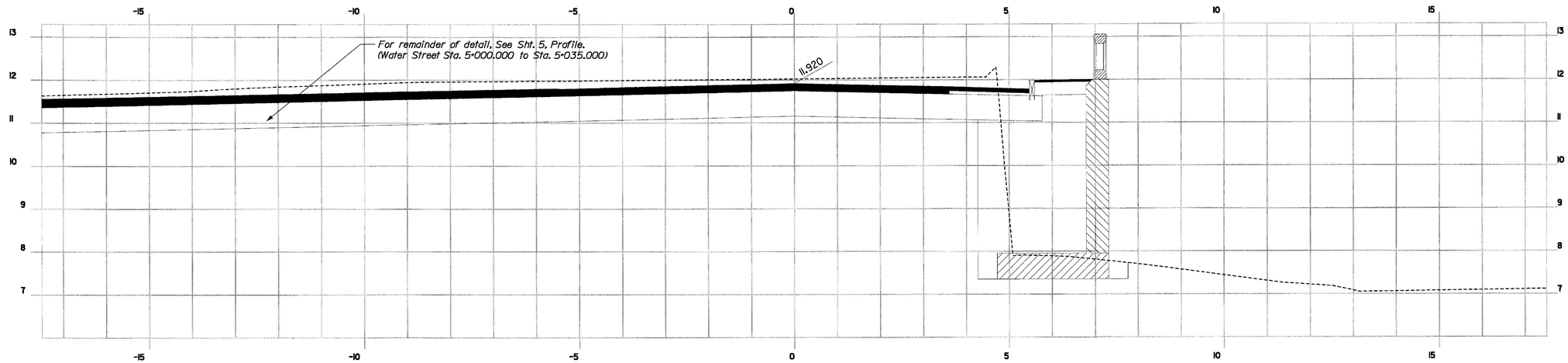
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BH-7681 (00)X	14	45

007681.00

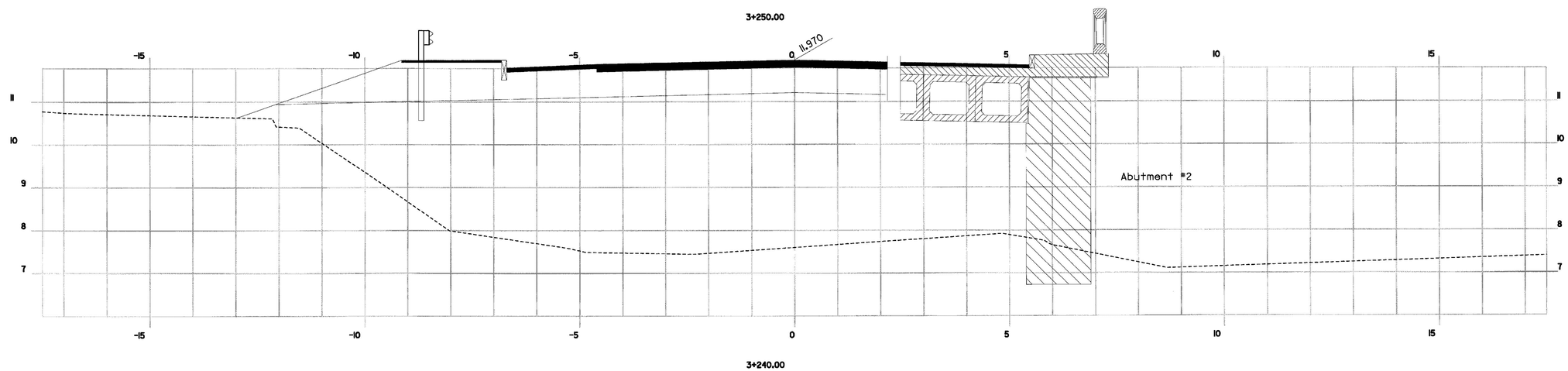


3+260.00

Install Bridge Transition I
Sta. 3+267.480 to Sta. 3+273.250



3+250.00



3+240.00

PROJECT DESIGN ENGINEER		BY	DATE
PLANS	DESIGN-DETAILED	ETC	DMS	
	CHECKED	-----	-----	-----
	REVISIONS	-----	-----	-----
	FIELD CHANGES	-----	-----	-----

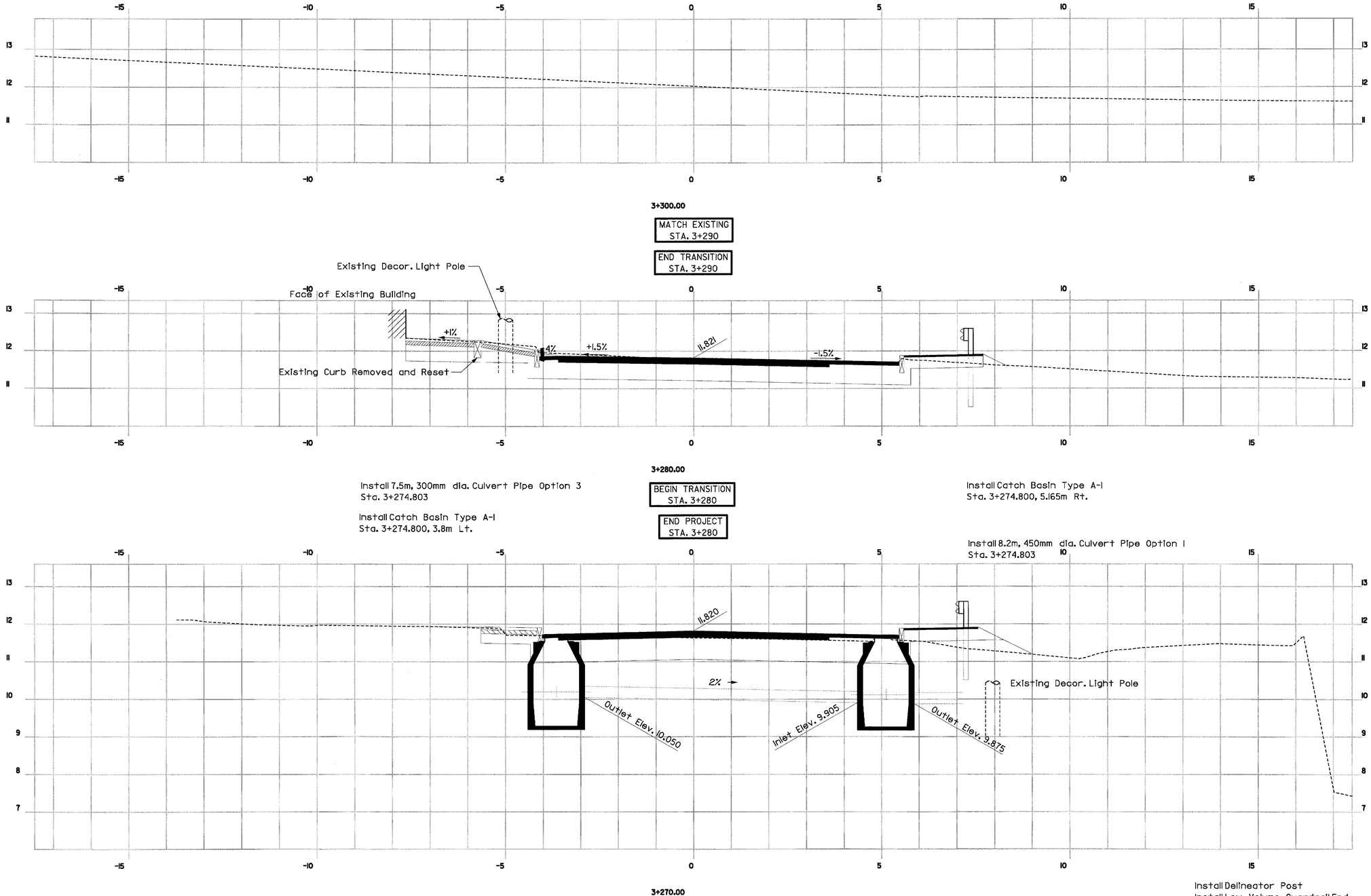
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MACHIAS SECTIONS MA50 HORIZ. 1:5 VERT. 1:5

Machias Main St., Route 1

STA. X+XXX TO STA. Y+YYY

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BH-7681 (00)X	15	45
				007681.00		



PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	ETC	
CHECKED	DMS	
REVISIONS		
FIELD CHANGES		

PLANS

Username: Brian Nichols Date:14 MAR 2002

Division: BRIDGE

Filename: ...\015_x39.dgn

MACHIAS SECTIONS MA50 HORIZ. h5 VERT. h5

Machias Main St., Route 1

STA. X+XXX TO STA. Y+YYY