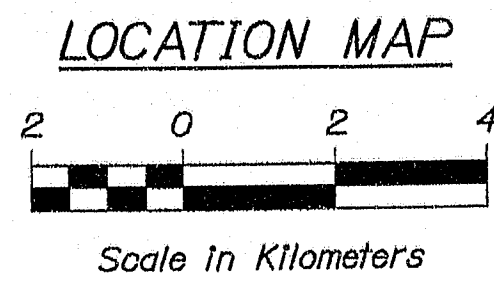
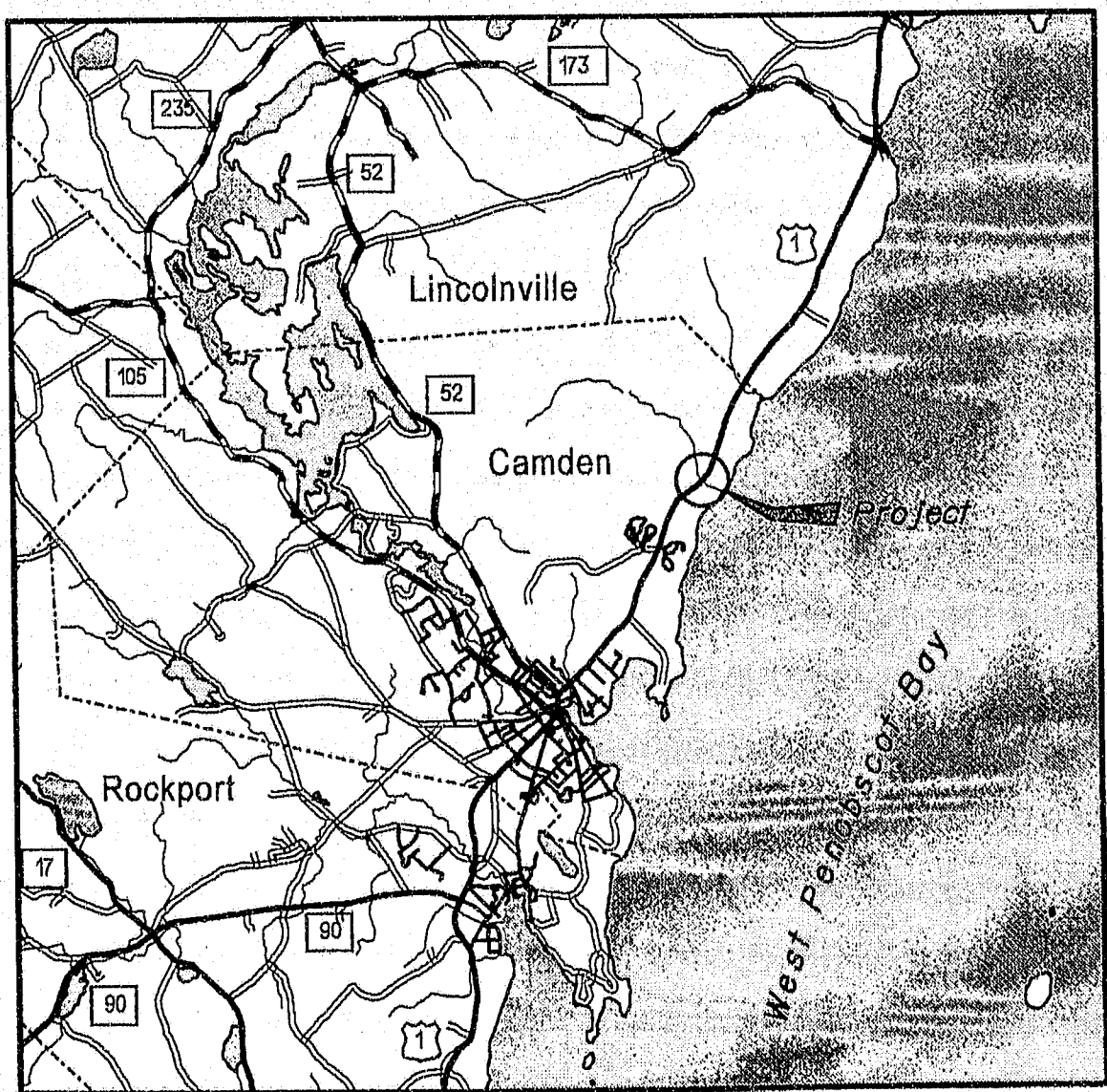


STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



CAMDEN
KNOX COUNTY
SPRING BROOK BRIDGE
OVER
SPRING BROOK
U.S. ROUTE 1

PROJECT NO. NH-1012(800)X
PROJECT LENGTH 0.120 km
SLOPE STABILIZATION
BRIDGE NO. 2794



SPECIFICATIONS

DESIGN: AASHTO LRFD Bridge Design Specifications, Second Edition
1998 and Interim Specifications through 203.

DESIGN LOADING

Live Load HS25

TRAFFIC DATA

Current (2004) AADT 8 170
Future (2024) AADT 11 440
DHV - % of AADT 11
Design Hour Volume 1 258
% Heavy Trucks (AADT) 7
% Heavy Trucks (DHV) 5
Directional Distribution (DHV) 51
80 kN Equivalent P 2.0 479
80 kN Equivalent P 2.5 457
Design Speed (km/h) 70

HYDROLOGIC DATA

Existing Opening 9.75 m²

MATERIALS

Concrete Class "A"
Reinforcing Steel ASTM A 615/A 615M, Grade 420

BASIC DESIGN STRESSES

Concrete $f'c = 30$ MPa
Reinforcing Steel $f_y = 420$ MPa

UTILITIES

Adelphia
Central Maine Power Company
Lincolnville Communications
Verizon

MAINTENANCE OF TRAFFIC

Maintain two lanes of two - way traffic using reduced speed and
flaggers when necessary.

LIST OF DRAWINGS

Title Sheet	1
Estimated Quantities & Notes	2
General Plan	3 - 4
Profile	5
Foundation Survey	6
Boring Details	7
Slope Treatment	8
Highway Approach Cross - Sections	9 - 22
Concrete Box Culvert Details	23
Reinforcing Steel Schedule	24
Right of Way Map	25

STATE OF MAINE DEPARTMENT OF TRANSPORTATION		APPROVED <i>[Signature]</i> COMMISSIONER: <i>[Signature]</i> CHIEF ENGINEER: <i>[Signature]</i>		DATE 7/15/04 07/15/04
PROJECT INFORMATION		SIGNATURE <i>[Signature]</i> P.E. NUMBER 8075 DATE 7-14-04		
PROGRAM BRIDGE	PROJECT MANAGER David Anderson	DESIGNER Gerald Boucher	CONSULTANT	PROJECT RESIDENT
CAMDEN SPRING BROOK BRIDGE		TITLE SHEET		
NH-1012(800)X		PIN 10128.00		
SHEET NUMBER		1		
OF 25				

Date: 7/14/2004

Username: dana.damren

Division: BRIDGE

Filename: ...\\00\BRIDGE\MSA\001_Title.dgn

131 - 153

Filename: ...\\bridge\\msta\\002_Estimate.dgn

Date: 8/3/2004

User Name: dana.darren

Division: BRIDGE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Baucher	11/1/2004
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.202	REMOVING PAVEMENT SURFACE	750	M2
203.35	CRUSHED STONE FILL	60	M3
204.20	ADD SHLD AGG TO EXIST SHLD, PLAN QTY	80	M2
204.41	REHAB OF EXISTING SHOULDERS, PLAN QTY	1200	M2
403.210	HOT MIX ASPHALT 9.5 MM	310	MG
403.211	HOT MIX ASPHALT (SHIM)	30	MG
409.15	BITUMINOUS TACK COAT, APPLIED	150	L
502.219	STR CONC ABUT & RET WALL	(6 M3)	LS
503.12	REINF STEEL, FAB & DEL	210	KG
503.13	REINF STEEL, PLACING	210	KG
603.19	600 MM CULVERT PIPE OPTION 1	12	M
606.24	GR TY 3D - SINGLE RAIL	202	M
606.242	GR TY 3D - OVER 4.5M RADIUS	8	M
606.265	TERM END-SGL RAIL-GALV STEEL	1	EA
606.35	GR DELINEATOR POST	3	EA
606.754	WIDEN SHOULDER FOR 350 END TREATMENT	1	EA
609.31	CURB TYPE 3	210	M
610.08	PLAIN RIPRAP	40	M3
613.319	EROSION CONTROL BLANKET	100	M2
615.07	LOAM	70	M3
618.1401	SEEDING METHOD NUMBER 2 - PLAN QUANTITY	6	UN
618.15	TEMPORARY SEEDING	3	KG
619.1201	MULCH - PLAN QUANTITY	6	UN
620.58	EROSION CONTROL GEOTEXTILE	850	M2
620.603	GEOCELL SLOPE STABILIZATION SYSTEM	850	M2
627.711	WH OR YELL PAINT PYMT MRK LINE (PL QUAN)	400	M
627.76	TEMPORARY PYMT. MARK LINE, W OR YELLOW	1	LS
629.05	HAND LABOR, STRAIGHT TIME	10	HR
631.12	ALL-PURPOSE EXC (INC OPERATOR)	10	HR
631.171	TRUCK-SMALL (INC OPERATOR)	10	HR
631.36	FOREPERSON	10	HR
639.19	FIELD OFFICE TYPE B	1	EA
652.38	FLAGGER	100	HR
652.39	WORK ZONE TRAFFIC CONTROL	1	LS
656.75	TEMP. SOIL EROSION AND WATER POLLUTION	1	LS
659.10	MOBILIZATION	1	LS

METRIC

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

PAVMA REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-101218001X	2	25
10128.00				

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. The clearing limits as shown on the plans are approximate. The exact limits shall be established in the field by the Resident. Payment for clearing will be incidental to related contract items.
4. Place loam 50 mm deep on all new or reconstructed sideslopes where other slope protection is not called for.
5. Two guardrail delineator posts shall be installed at each leading guardrail end and one at each trailing guardrail end.
6. Plans of the existing bridge are available for the Contractor's reference at the Bridge Program's 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.
7. Bidders and Contractors may obtain a copy of the project geotechnical report, Rehabilitation of Slopes, Spring Brook Bridge, Route 1, Camden, Maine, 03-0094, June 30, 2003, by contacting the Project Manager.
8. Geotechnical Information furnished or referred to in this plan set is for the Bidders' and Contractor's use. No assurance is given that the information or interpretations will be representative of actual subsurface conditions at the time of construction. The Department shall not be responsible for the Bidders' and Contractor's interpretations of, or conclusions drawn from, the Geotechnical Information. The boring logs contained in the plan set present interpretive subsurface information collected at discrete locations. Data provided may not be representative of the subsurface conditions between boring locations.

131-154

BRIDGE NO. 2794	
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
SPRING BROOK BRIDGE	
OVER	
SPRING BROOK	
IN THE TOWN OF	
CAMDEN	
KNOX COUNTY	
ESTIMATED QUANTITIES	

SHEET OF AUGUSTA, MAINE

Filename: ... \msta\003_GeneralPlan 1.dgn

Date: 7/14/2004

Username: dana.darren

Division: BRIDGE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN/REVIEWED	S. Baucher	7/14/2004
CHECKED	D. Darren	
REVISIONS		
FIELD CHANGES		

PLANS

METRIC

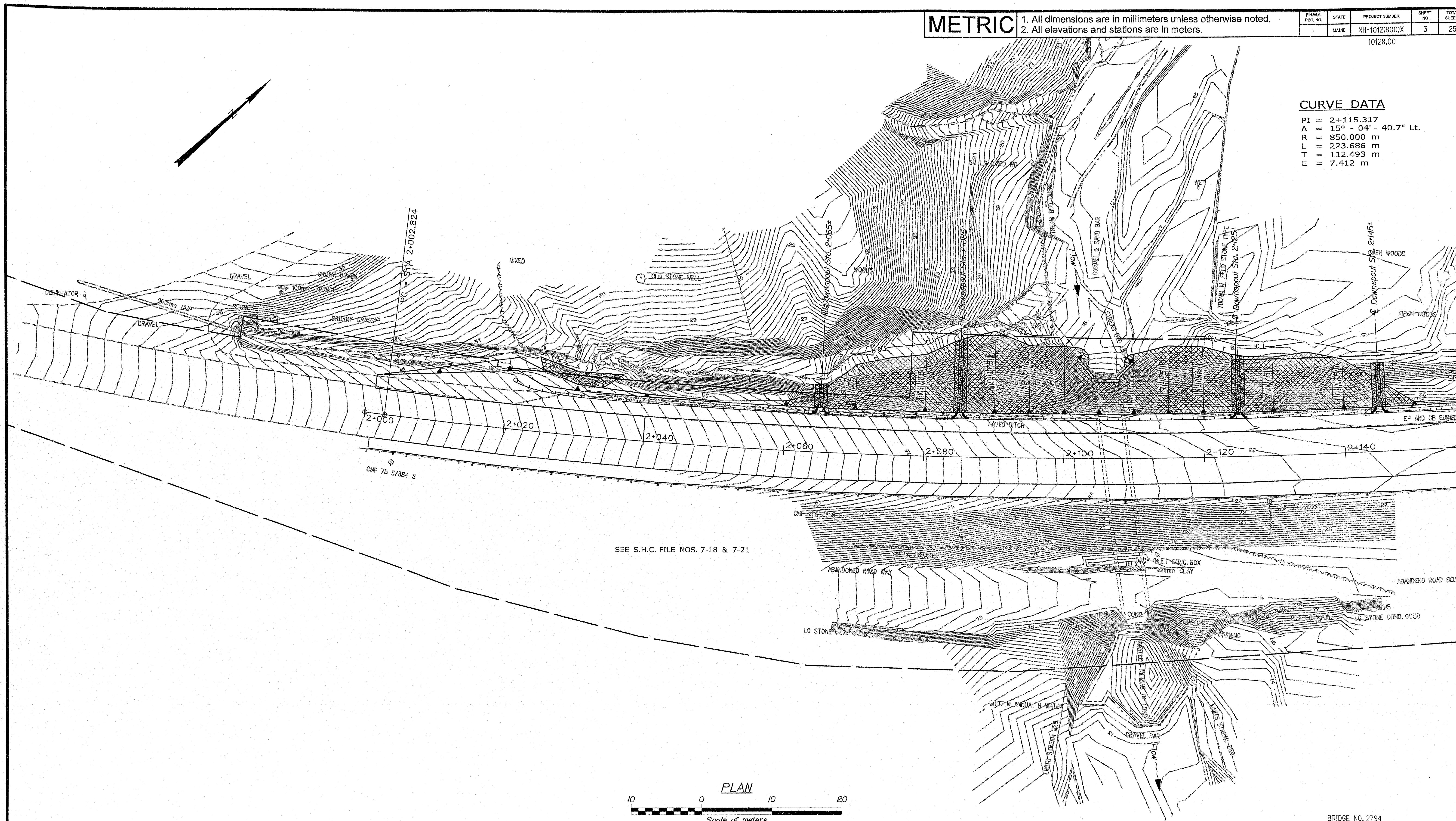
1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

PLANS	STATE	PROJECT NUMBER	SHEET NO	TOTAL SHEETS
1	MAINE	NH-1012(800)X	3	25

10128.00

CURVE DATA

PI = 2+115.317
Δ = 15° - 04' - 40.7" Lt.
R = 850.000 m
L = 223.686 m
T = 112.493 m
E = 7.412 m



SEE S.H.C. FILE NOS. 7-18 & 7-21

PLAN
Scale of meters

131-155

BRIDGE NO. 2794

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPRING BROOK BRIDGE
OVER
SPRING BROOK
IN THE TOWN OF
CAMDEN
KNOX COUNTY
GENERAL PLAN

SHEET OF AUGUSTA, MAINE

Date: 7/14/2004

Username: dana.darren

Division: BRIDGE

Filename: ...\\msta004_General Plan 2.dgn

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Boucher	D. Darren
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

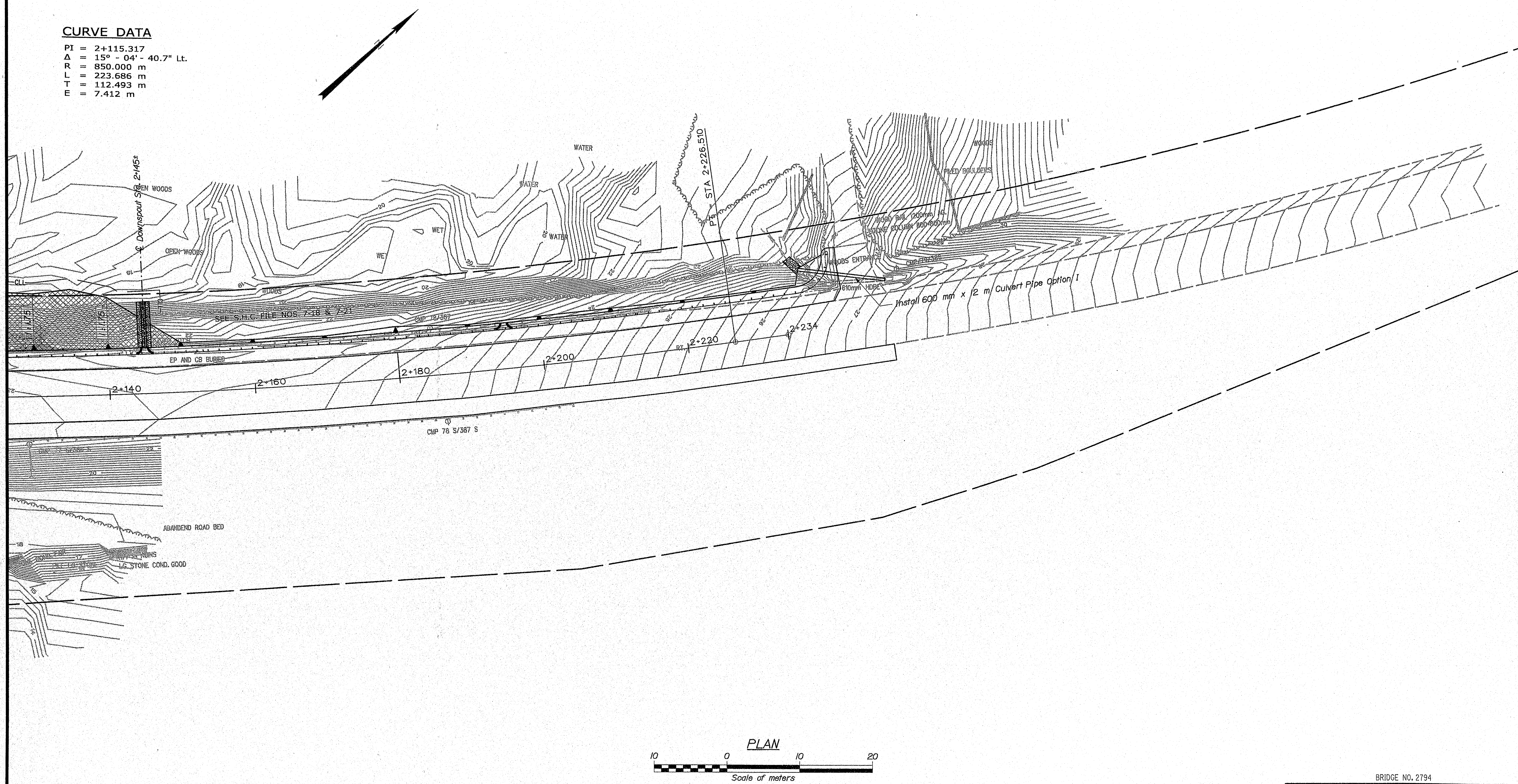
CURVE DATA

PI = 2+115.317
Δ = 15° - 04' - 40.7" Lt.
R = 850.000 m
L = 223.686 m
T = 112.493 m
E = 7.412 m

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

F.A.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X	4	25

10128.00



131-156

BRIDGE NO. 2794	
STATE OF MAINE	
DEPARTMENT OF TRANSPORTATION	
SPRING BROOK BRIDGE	
OVER	
SPRING BROOK	
IN THE TOWN OF	
CAMDEN	
KNOX COUNTY	
<u>GENERAL PLAN</u>	
SHEET	OF AUGUSTA, MAINE

Filename: ... \00\bridge\msta\005_Profile.dgn Date: 7/14/2004

Username: dana.damren

Division: BRIDGE

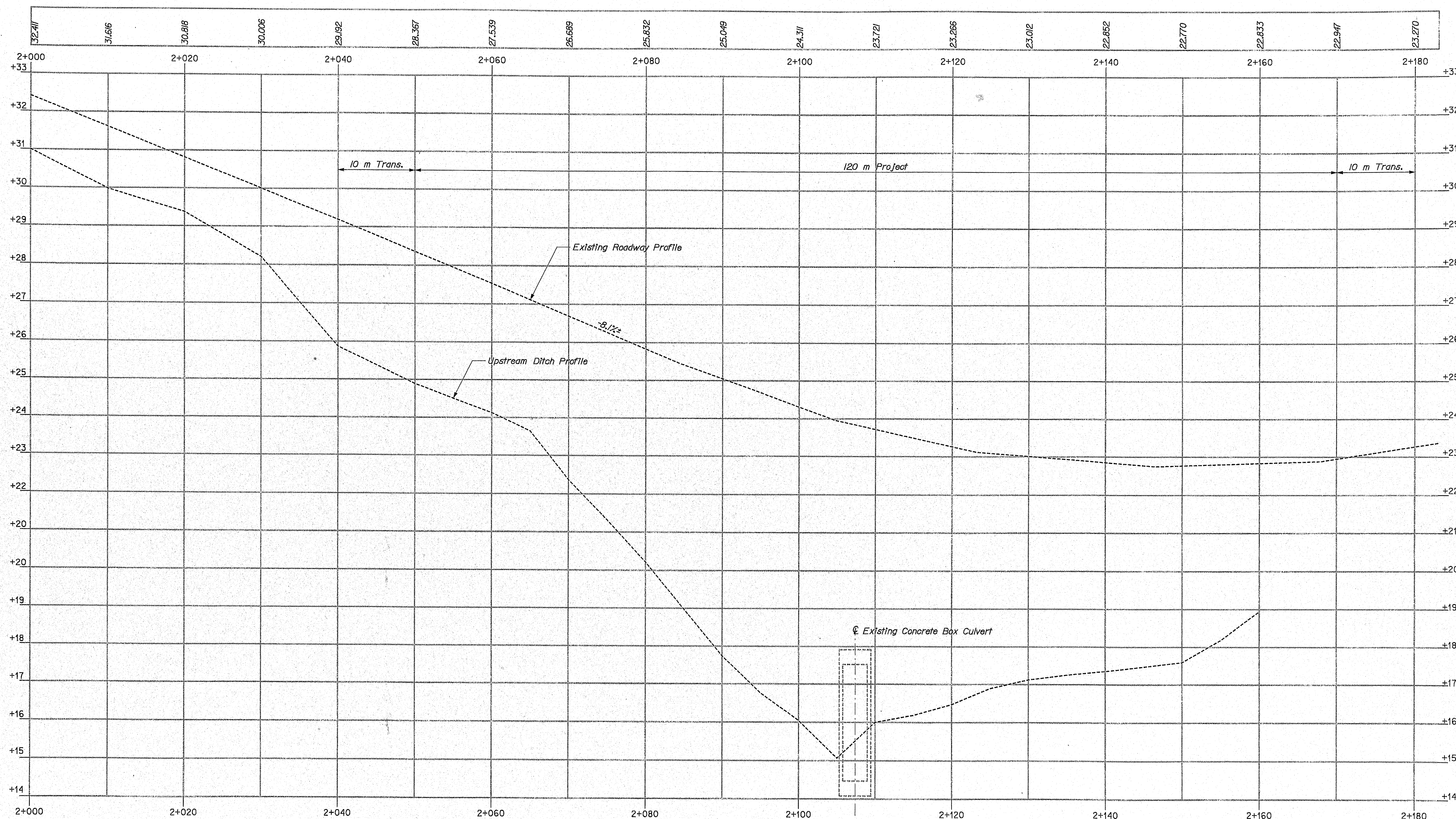
PROJECT DESIGN ENGINEER

DESIGN-DETAILED	CHECKED	REVISIONS	FIELD CHANGES
BY	DATE		
C. Boucher	D. Damren		

METRIC

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

PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
NH-1012(800)X	5	25
10128.00		



PROFILE

13/- 157

BRIDGE NO. 2794
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SPRING BROOK BRIDGE
OVER
SPRING BROOK
IN THE TOWN OF
CAMDEN
KNOX COUNTY
PROFILE

SHEET OF AUGUSTA, MAINE

Date: 7/14/2004

Username: dana.darren

Division: BRIDGE

Filename: ...005_Foundation Survey1.dgn

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	LARUSINSKI	NOV 2003
CHECKED		
REVISIONS		
FIELD CHANGES		

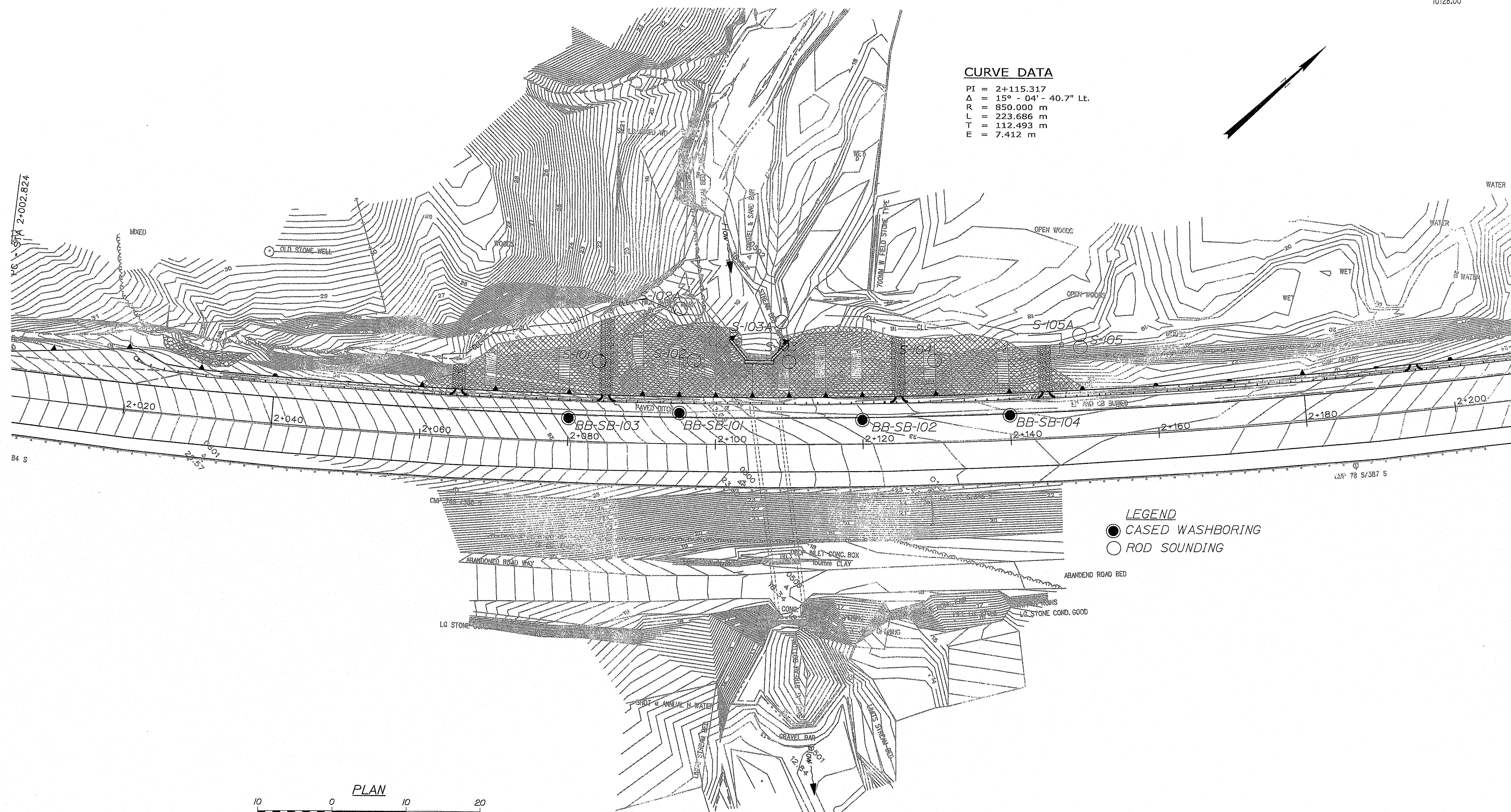
PLANS

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	P.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	NH-1012(800)X	6	25

10128.00

CURVE DATA

PI = 2+115.317
Δ = 15° - 04' - 40.7" Lt.
R = 850.000 m
L = 223.686 m
T = 112.493 m
E = 7.412 m



131-158

BRIDGE NO. 2794

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPRING BROOK BRIDGE
OVER
SPRING BROOK
IN THE TOWN OF
CAMDEN
KNOX COUNTY

FOUNDATION SURVEY - PLAN

SHEET OF AUGUSTA, MAINE

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	NH-1012(800)X	7	25

10128.00

[illegible]

Maine Department of Transportation Salt Pond Excavation Log				Project 03-00415 ST. 1 SPRING BROOK SCUM MOBILIZATION Location: ST. 1, CAMDEN, MAINE		Boring No.: BB-SB-101 PIN: 10128.00	
Drillers: MAINE TEST BORING, INC.		Elevation (ft.): 24.20	Asper: 10/20/01		Sampler: SS		
Operator: WEL COFFEE		Return:	Rig Type: TRAILER MOUNT		Hammer: MTFall II 63.5 hp/74.2oz		
Logged By: TAMM GREINER		Rig Type:	Drilling Method: CASING		Core Barrel: B		
Date Started/Ended: 2-26-02 / 2-27-02		Coring Depth (ft.): 24.20	Coring Location: STA. 2405B, 4.1in LEFT		Water Level (ft.): GAGED TO 8.5in SUR		
Boring Location: STA. 2405B, 4.1in LEFT		Coring Depth (ft.): 24.20	Definition:		Verification:		
			S _u = Field Vane Shear Strength (lbf/ft²) T _u = Field Torque Shear Strength (lbf/ft) q _c = Consolidated Compressive Strength (lbf/in²) q _u = Unconsolidated Compressive Strength (lbf/in²) W _L = Liquid Limit P _L = Plastic Limit I _p = Plasticity Index W _p = Weight of Solids: hammer W _p = Weight of Solids: oven S _u = Shear Strength T _u = Torque q _c = Consolidated Compressive Strength q _u = Unconsolidated Compressive Strength W _L = Liquid Limit P _L = Plastic Limit I _p = Plasticity Index W _p = Weight of Solids: hammer W _p = Weight of Solids: oven S _u = Shear Strength T _u = Torque q _c = Consolidated Compressive Strength q _u = Unconsolidated Compressive Strength W _L = Liquid Limit P _L = Plastic Limit I _p = Plasticity Index W _p = Weight of Solids: hammer W _p = Weight of Solids: oven		S _u = Shear Strength T _u = Torque q _c = Consolidated Compressive Strength q _u = Unconsolidated Compressive Strength W _L = Liquid Limit P _L = Plastic Limit I _p = Plasticity Index W _p = Weight of Solids: hammer W _p = Weight of Solids: oven S _u = Shear Strength T _u = Torque q _c = Consolidated Compressive Strength q _u = Unconsolidated Compressive Strength W _L = Liquid Limit P _L = Plastic Limit I _p = Plasticity Index W _p = Weight of Solids: hammer W _p = Weight of Solids: oven		
Sample Information							
Depth (ft.)	Sample No.	Pen. (lbf/in)	Pen. (lbf/in)	Pen. (lbf/in)	Pen. (lbf/in)	Pen. (lbf/in)	Pen. (lbf/in)
0.00	01	0.00	0.00	0.00	0.00	0.00	0.00
0.00	02	0.00	0.00	0.00	0.00	0.00	0.00
0.00	03	0.00	0.00	0.00	0.00	0.00	0.00
0.00	04	0.00	0.00	0.00	0.00	0.00	0.00
0.00	05	0.00	0.00	0.00	0.00	0.00	0.00
0.00	06	0.00	0.00	0.00	0.00	0.00	0.00
0.00	07	0.00	0.00	0.00	0.00	0.00	0.00
0.00	08	0.00	0.00	0.00	0.00	0.00	0.00
0.00	09	0.00	0.00	0.00	0.00	0.00	0.00
0.00	10	0.00	0.00	0.00	0.00	0.00	0.00
0.00	11	0.00	0.00	0.00	0.00	0.00	0.00
0.00	12	0.00	0.00	0.00	0.00	0.00	0.00
0.00	13	0.00	0.00	0.00	0.00	0.00	0.00
0.00	14	0.00	0.00	0.00	0.00	0.00	0.00
0.00	15	0.00	0.00	0.00	0.00	0.00	0.00
0.00	16	0.00	0.00	0.00	0.00	0.00	0.00
0.00	17	0.00	0.00	0.00	0.00	0.00	0.00
0.00	18	0.00	0.00	0.00	0.00	0.00	0.00
0.00	19	0.00	0.00	0.00	0.00	0.00	0.00
0.00	20	0.00	0.00	0.00	0.00	0.00	0.00
0.00	21	0.00	0.00	0.00	0.00	0.00	0.00
0.00	22	0.00	0.00	0.00	0.00	0.00	0.00
0.00	23	0.00	0.00	0.00	0.00	0.00	0.00
0.00	24	0.00	0.00	0.00	0.00	0.00	0.00
0.00	25	0.00	0.00	0.00	0.00	0.00	0.00
0.00	26	0.00	0.00	0.00	0.00	0.00	0.00
0.00	27	0.00	0.00	0.00	0.00	0.00	0.00
0.00	28	0.00	0.00	0.00	0.00	0.00	0.00
0.00	29	0.00	0.00	0.00	0.00	0.00	0.00
0.00	30	0.00	0.00	0.00	0.00	0.00	0.00
Visual Description and Remarks 0.00 - 0.04: BROWN SAND, SOME SILT, LITTLE GRAVEL (FILL) 0.04 - 0.08: DENISE 0.08 - 0.12: DENISE 							

Maine Department of Transportation				Project: 02-COMMUS NT, 1 SPRING BROOK SLOPE REHABILITATIONS		Barf Ind No.: BB-SB-102	
Sullivan, Excavation, Loc.				Location RT. 1, CAMDEN, MAINE		PIN: 10128.00	
Driller: MAINE TEST BORING, INC.				Elevation (in.) 22.30		Auger ID/DBI	
Operator: DANIEL WICKEN				Datum:		Sampler: SS	
Logged By: TONY GRIENER				Rig Type: TRAILER MOUNT		Bore: Wt./Fall: 63.5kg/76.5cm	
Date Started/Finished: 7-28-02 / 08-06-02				Drilling Method: CASID		Tara Sonnet	
Boring Location: STA. 2+128.3, 3.3m LEFT				Depth 10/DBI: 7.62m		Water Level: CAVED TO 2.0m. Dry	
Test/Notes: 1 = Split Spoon Sample 2 = Unconsolidated Split Spoon Sample (stiff) 3 = Thin Wall Tube Core 4 = Free Core 5 = Split Spoon 6 = Split Spoon Shear Test 90 = 90° SPT SPT				Soil/Notes: S _u = Undrained Soil Vane Shear Strength (kPa) R _u = Undrained Soil R _u (kPa) C _u = Consolidative Compressive Strength (kPa) W _L = Liquid Limit (%) W _P = Plasticity Index W _U = Weight of Tests, Number W _T = Weight of Tests, Total		Test/Notes: W _u = Water Content, percent L _u = Liquid Limit P _u = Plasticity Index S _u = Undrained Soil S _u = Undrained Soil	
Sample Information							
Depth (in.)	Sample No.	Pen. (lb/in.)	Sample Depth (in.)	Sample Depth (cm)	Pen. (lb/in.)	Sample Depth (in.)	Sample Log
0	1	100	0	0	100	0	0
1	2	100	1	1	100	1	1
2	3	100	2	2	100	2	2
3	4	100	3	3	100	3	3
4	5	100	4	4	100	4	4
5	6	100	5	5	100	5	5
6	7	100	6	6	100	6	6
7	8	100	7	7	100	7	7
8	9	100	8	8	100	8	8
9	10	100	9	9	100	9	9
10	11	100	10	10	100	10	10
11	12	100	11	11	100	11	11
12	13	100	12	12	100	12	12
13	14	100	13	13	100	13	13
14	15	100	14	14	100	14	14
15	16	100	15	15	100	15	15
16	17	100	16	16	100	16	16
17	18	100	17	17	100	17	17
18	19	100	18	18	100	18	18
19	20	100	19	19	100	19	19
20	21	100	20	20	100	20	20
21	22	100	21	21	100	21	21
22	23	100	22	22	100	22	22
23	24	100	23	23	100	23	23
24	25	100	24	24	100	24	24
25	26	100	25	25	100	25	25
26	27	100	26	26	100	26	26
27	28	100	27	27	100	27	27
28	29	100	28	28	100	28	28
29	30	100	29	29	100	29	29
30	31	100	30	30	100	30	30
31	32	100	31	31	100	31	31
32	33	100	32	32	100	32	32
33	34	100	33	33	100	33	33
34	35	100	34	34	100	34	34
35	36	100	35	35	100	35	35
36	37	100	36	36	100	36	36
37	38	100	37	37	100	37	37
38	39	100	38	38	100	38	38
39	40	100	39	39	100	39	39
40	41	100	40	40	100	40	40
41	42	100	41	41	100	41	41
42	43	100	42	42	100	42	42
43	44	100	43	43	100	43	43

Maine Department of Transportation										Project: 03-00848 RT. 1 SPRING BROOK REPAIR ROADWAY/STATIONS		Boring No.: <u>BB-SB-104</u>	
Soil/rock Exploration Log										Location: RT. 1, CAMDEN, MAINE		PIN: <u>10128.00</u>	
Driller: <u>MAINE TEST BORING, INC.</u>		Elevation (m): <u>22.60</u>		Ripper ID/OD: <u></u>		Sampler: <u>SS</u>							
Operator: <u>ML CHIFFIN</u>		Datum: <u></u>		Rig Type: <u>TRAILER MOUNT/AGILE</u>		Sampler: <u>SS</u>							
Logged by: <u>THOM CHIFFIN</u>		Rig Type: <u>CASINO</u>		Rig Type: <u>CASINO</u>		Sampler: <u>SS</u>							
Date Started/Finished: <u>04-01-03 / 04-02-03</u>		Drilling Method: <u>CASINO</u>		Drilling Method: <u>CASINO</u>		Sampler: <u>SS</u>							
Boring Location: <u>STA. 214+00, 3.40m LEFT</u>		Casing ID/OD: <u>1.62m</u>		Casing ID/OD: <u>1.62m</u>		Sampler: <u>SS</u>							
Notes:		Notes:		Notes:		Notes:							
a = Split Spoon Sample		b = Pushed into Soil		c = Pushed into Soil		d = Pushed into Soil							
e = Pushed into Soil		f = Pushed into Soil		g = Pushed into Soil		h = Pushed into Soil							
i = Pushed into Soil		j = Pushed into Soil		k = Pushed into Soil		l = Pushed into Soil							
m = Pushed into Soil		n = Pushed into Soil		o = Pushed into Soil		p = Pushed into Soil							
q = Pushed into Soil		r = Pushed into Soil		s = Pushed into Soil		t = Pushed into Soil							
u = Pushed into Soil		v = Pushed into Soil		w = Pushed into Soil		x = Pushed into Soil							
y = Pushed into Soil		z = Pushed into Soil		aa = Pushed into Soil		ab = Pushed into Soil							
ac = Pushed into Soil		ad = Pushed into Soil		ae = Pushed into Soil		af = Pushed into Soil							
ag = Pushed into Soil		ah = Pushed into Soil		ai = Pushed into Soil		aj = Pushed into Soil							
ak = Pushed into Soil		al = Pushed into Soil		am = Pushed into Soil		an = Pushed into Soil							
ao = Pushed into Soil		ap = Pushed into Soil		aq = Pushed into Soil		ar = Pushed into Soil							
as = Pushed into Soil		at = Pushed into Soil		au = Pushed into Soil		av = Pushed into Soil							
aw = Pushed into Soil		ax = Pushed into Soil		ay = Pushed into Soil		az = Pushed into Soil							
ba = Pushed into Soil		bb = Pushed into Soil		bc = Pushed into Soil		bd = Pushed into Soil							
be = Pushed into Soil		bf = Pushed into Soil		bg = Pushed into Soil		bh = Pushed into Soil							
bi = Pushed into Soil		bj = Pushed into Soil		bk = Pushed into Soil		bl = Pushed into Soil							
bm = Pushed into Soil		bn = Pushed into Soil		bo = Pushed into Soil		bp = Pushed into Soil							
bq = Pushed into Soil		br = Pushed into Soil		bs = Pushed into Soil		bt = Pushed into Soil							
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Rod Sounding Probe Summary Sheet

Town(s): Camden

Project Number: 10128.00

Sounding Number	Station (Meter)	Offset (Meter)	Refusal (Meter)	No Refusal (Meter)	Water Elev.(m)	Ground Surface Elevation (Meter)
S-101	2+084	11.0 Lt.		1.83		22.6
S-102	2+097	11.4 Lt.		1.83		20.8
S-102A	2+095	18.5 Lt.		1.83		18.8
S-103	2+110	11.3 Lt.		1.83		19.4
S-103A	2+109	16.8 Lt.	1.10			16.5
S-104	2+130	11.2 Lt.		1.83		19.6
S-105	2+150	12.3 Lt.	1.13			19.2
S-105A	2+150	14.0 Lt.	1.55			18.6

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	L. KRUSINSKI	JULY 2003
CHECKED		
REVISIONS		
FIELD CHANGES		

File: 8/3/2004

Username: dana.dannen

Division: BRIDGE

Filename: ...\\msta\\008_Slope Treatment.dgn

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Boucher	
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

METRIC

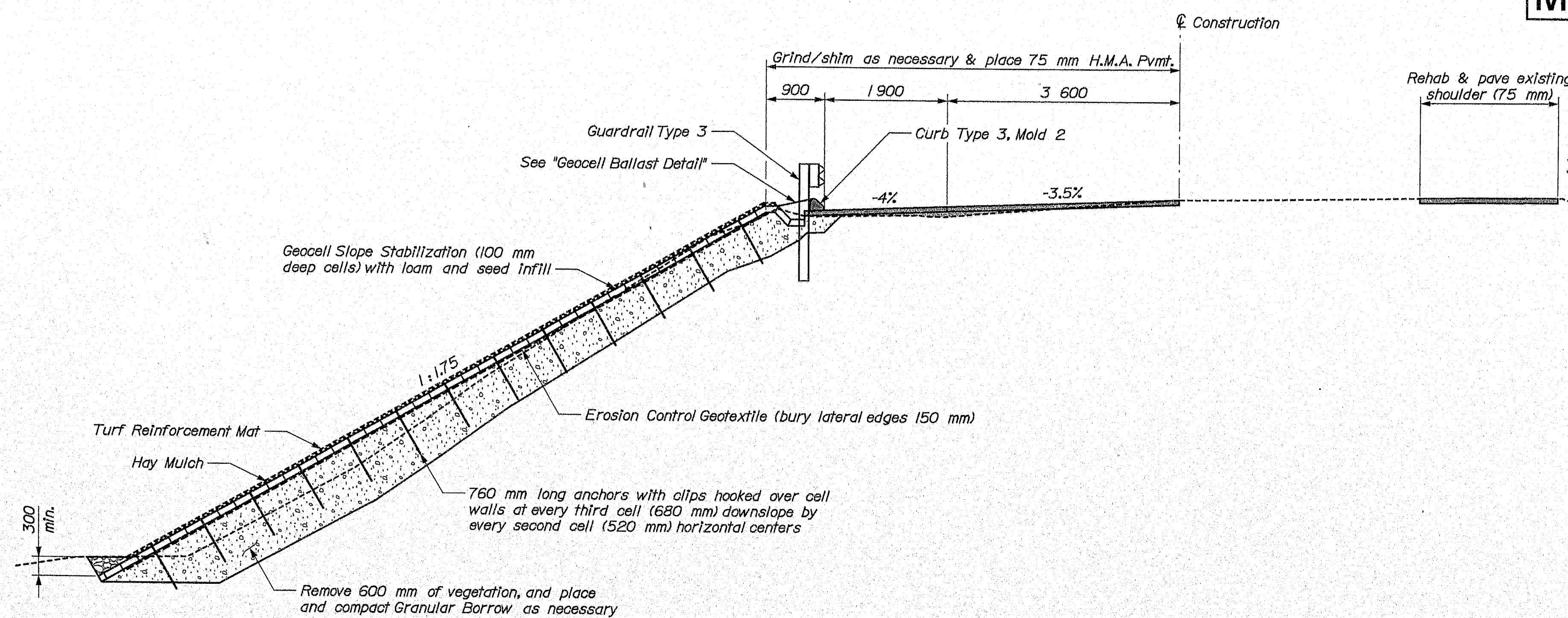
1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

FHWA REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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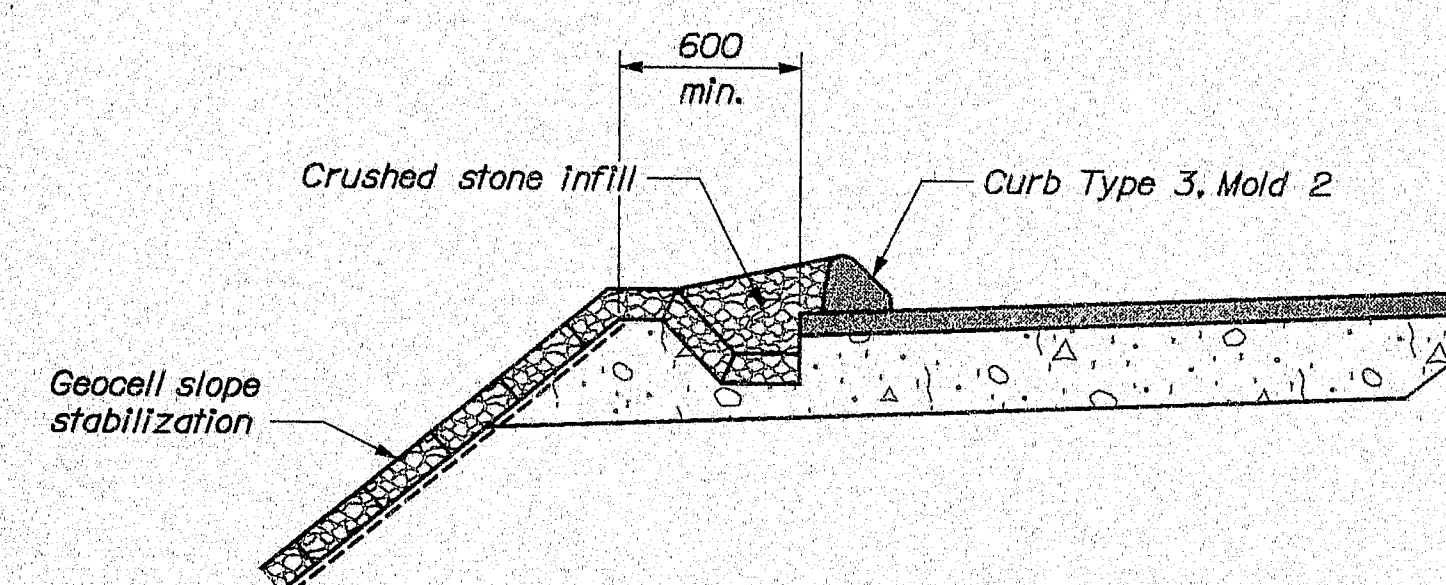
10128.00

GEOCELL NOTES

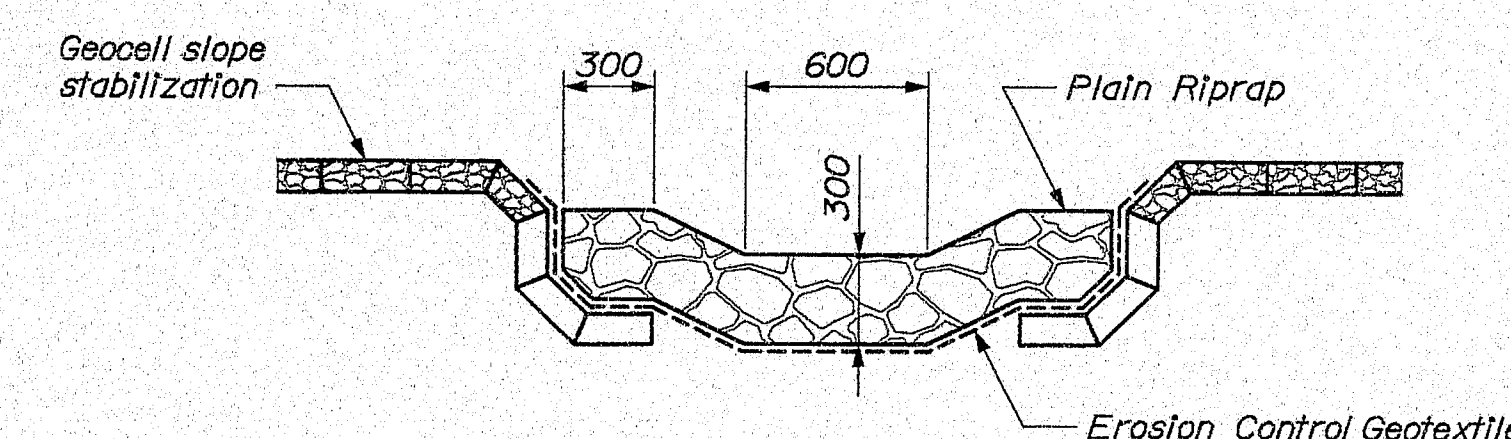
1. The geocell slope stabilization system shall meet the material and construction requirements of Special Provisions Section 620.
2. The geocell material shall be a polyethylene sheet strip assembly which, when expanded, forms walls of a three-dimensional cellular confinement system. The geocell shall be in conformance with Geoweb, GW20V Cell or approved equal.
3. Geocell infill material consisting of Aggregate for Crushed Stone Surface will be paid for under Item No. 203.35, Crushed Stone Fill. Refer to Special Provisions Section 620 for construction requirements.



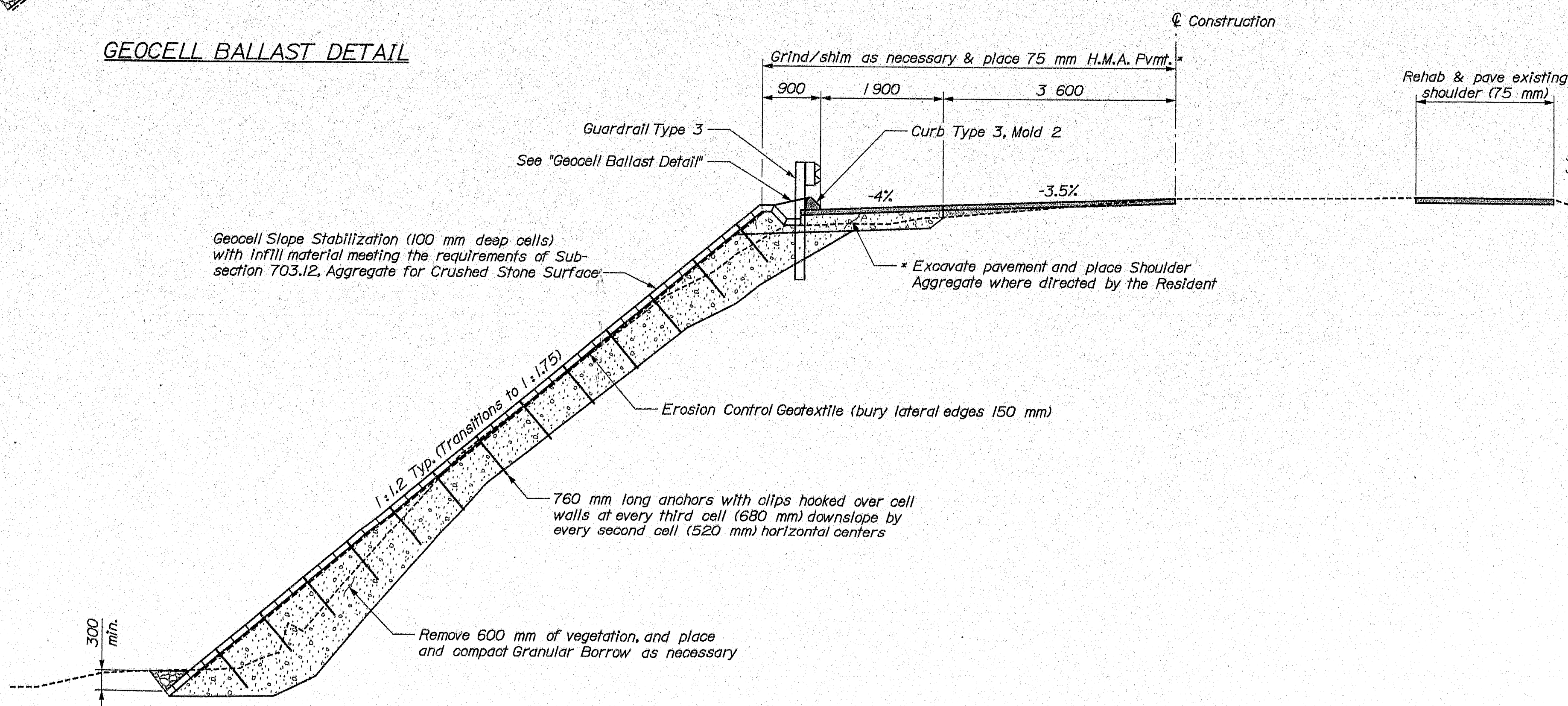
TYPICAL SECTION WITH GEOCELL SLOPE STABILIZATION
1:1.75 Slopes



GEOCELL BALLAST DETAIL



TYPICAL DOWNSPOUT SECTION



TYPICAL SECTION WITH GEOCELL SLOPE STABILIZATION
1:1.2 and Transitioning to 1:1.75 Slopes

131-160

BRIDGE NO. 2794

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

SPRING BROOK BRIDGE
OVER
SPRING BROOK
IN THE TOWN OF
CAMDEN
KNOX COUNTY
SLOPE TREATMENT

SHEET OF AUGUSTA, MAINE

Filename: ... \00\bridge\msta\009_xsect02.dgn Date: 8/3/2004

Username: dana.damren

Division: BRIDGE

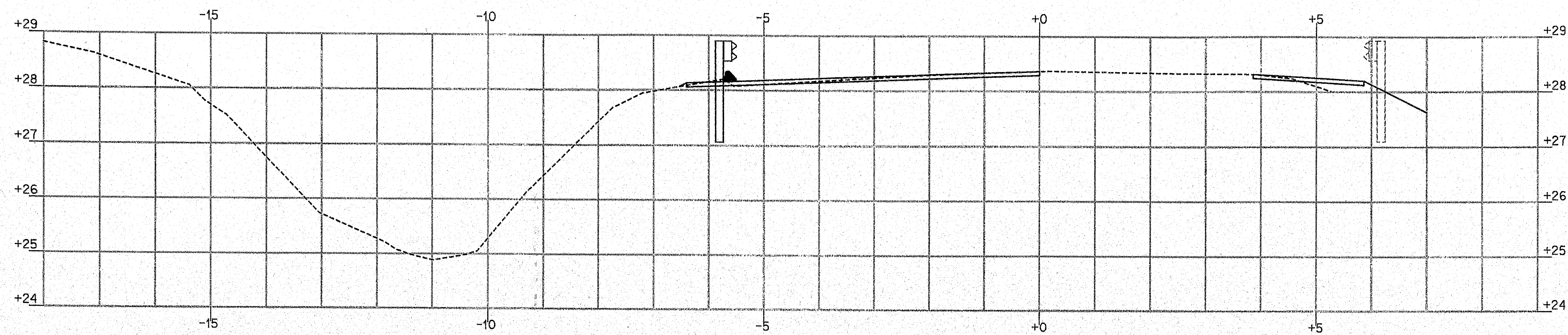
Project: ... \00\bridge\msta\009_xsect02.dgn

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	C. Boucher	
CHECKED	D. Damren	
REVISIONS		
FIELD CHANGES		

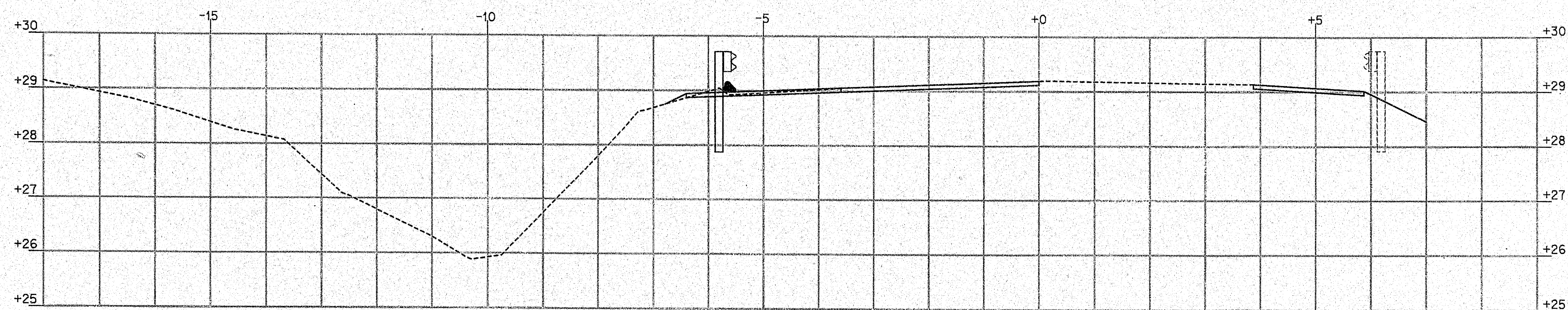
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2. All elevations and stations are in meters.

FJLWA REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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10128.00

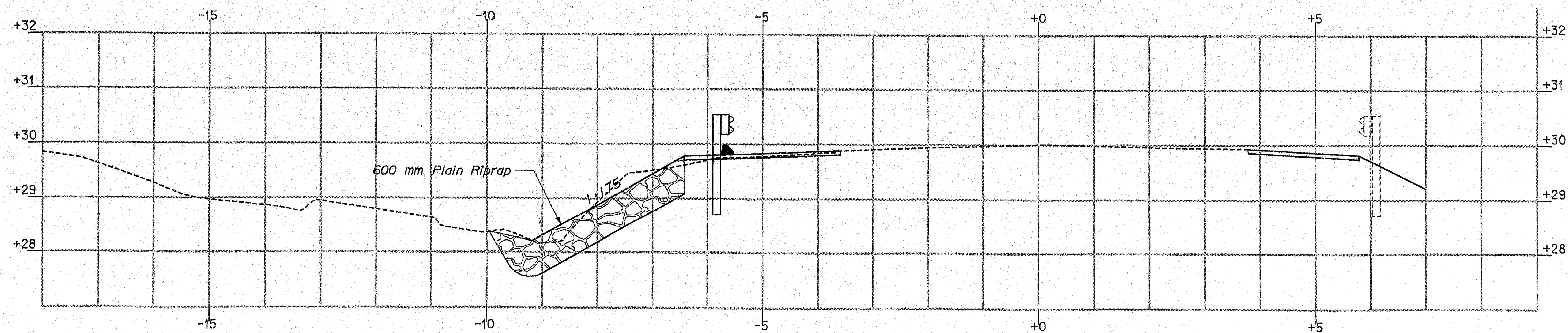


2+050
End Transition
Begin Project



2+040
Begin Transition
Match Existing Travelway

Sta. 2+032.60± to 2+235.78±
Install 201.93 m GR Type 3d - Single Roll



Sta. 2+021.21± to 2+032.60±
Install GR 350 Flared Terminal

2+030

Sta. 2+001±
Limit of Work

131-161

CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: dana.damren

Division: BRIDGE

Filename: ...\\00\\bridge\\msta\\010_xsect03.dgn

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Boucher	D. Damren
CHECKED		
REVISIONS		
FIELD CHANGES		

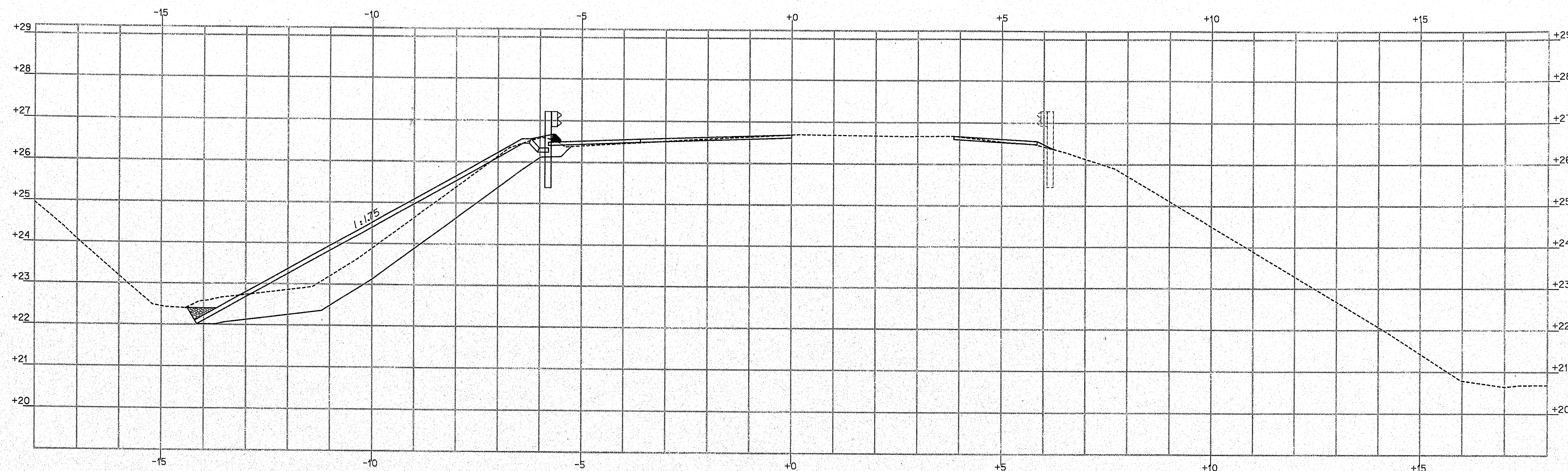
PLANS

METRIC

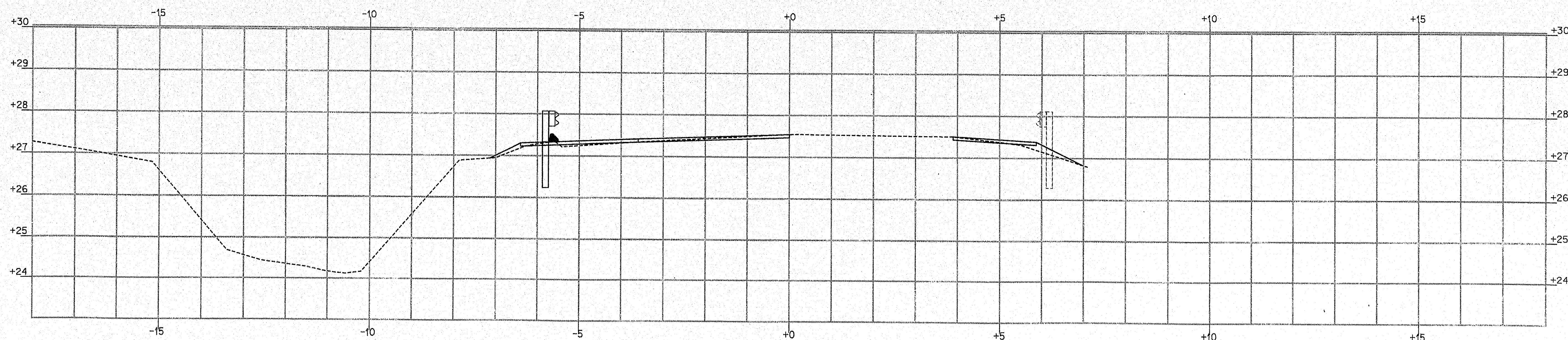
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2. All elevations and stations are in meters.

FILE NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X	10	25

10/28.00



2+070.000



2+060

131-162

CAMDEN

U.S. ROUTE 1

STA X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: donald.danren

Division: BRIDGE

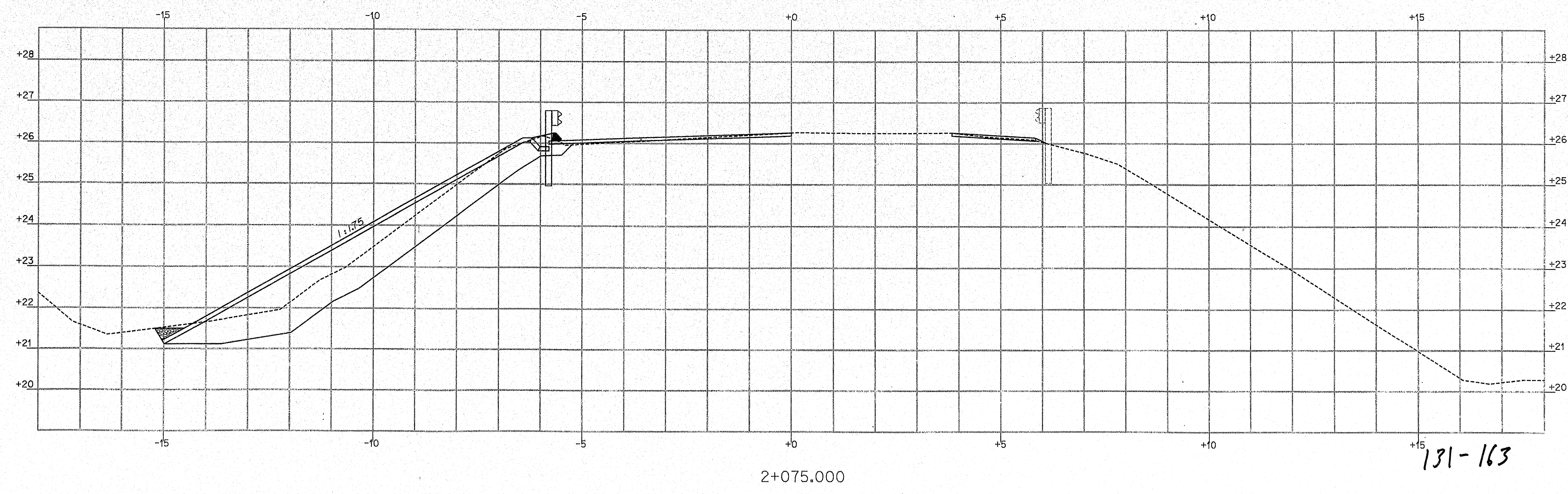
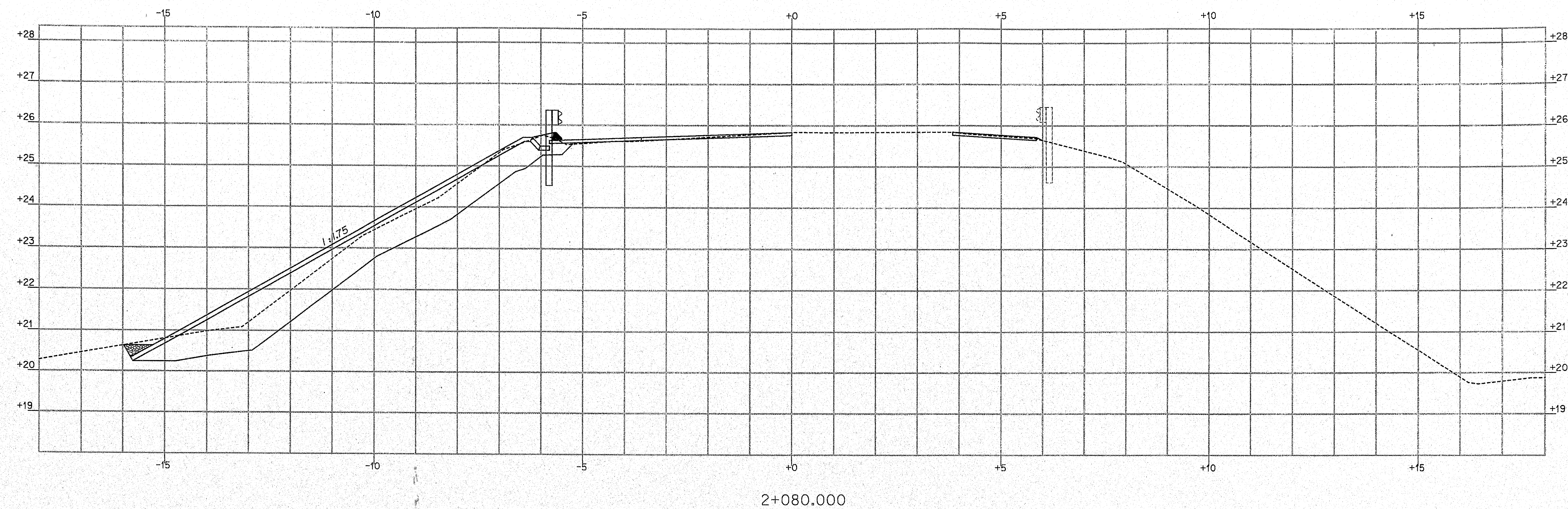
Filename: ...\\00\\bridge\\msta\\011_Xsect04.dgn

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	C. Boucher	
CHECKED	D. Danren	
REVISIONS		
FIELD CHANGES		

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

F.H.W.A. REQ. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X	11	25

10128.00



CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: dnm.damren

Division: BRIDGE

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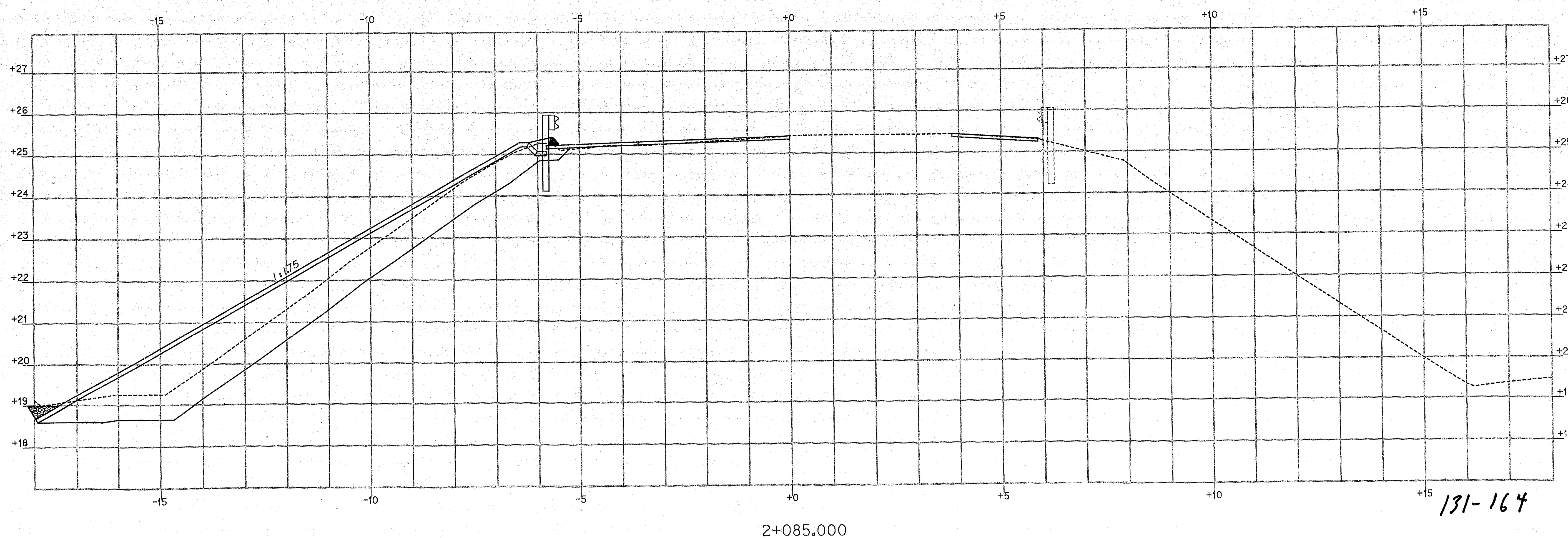
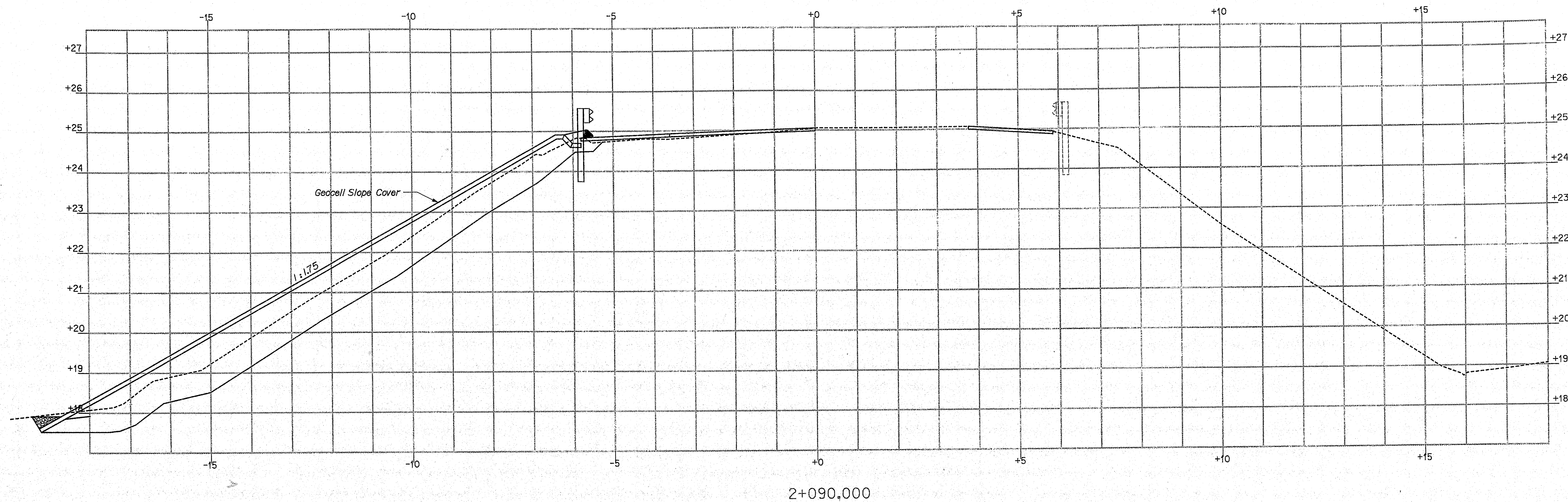
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Boucher	
CHECKED	D. Damren	
REVISIONS		
FIELD CHANGES		

PLANS

METRIC

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

FJHWA REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X 10128.00	12	25



CAMDEN

U.S. ROUTE 1

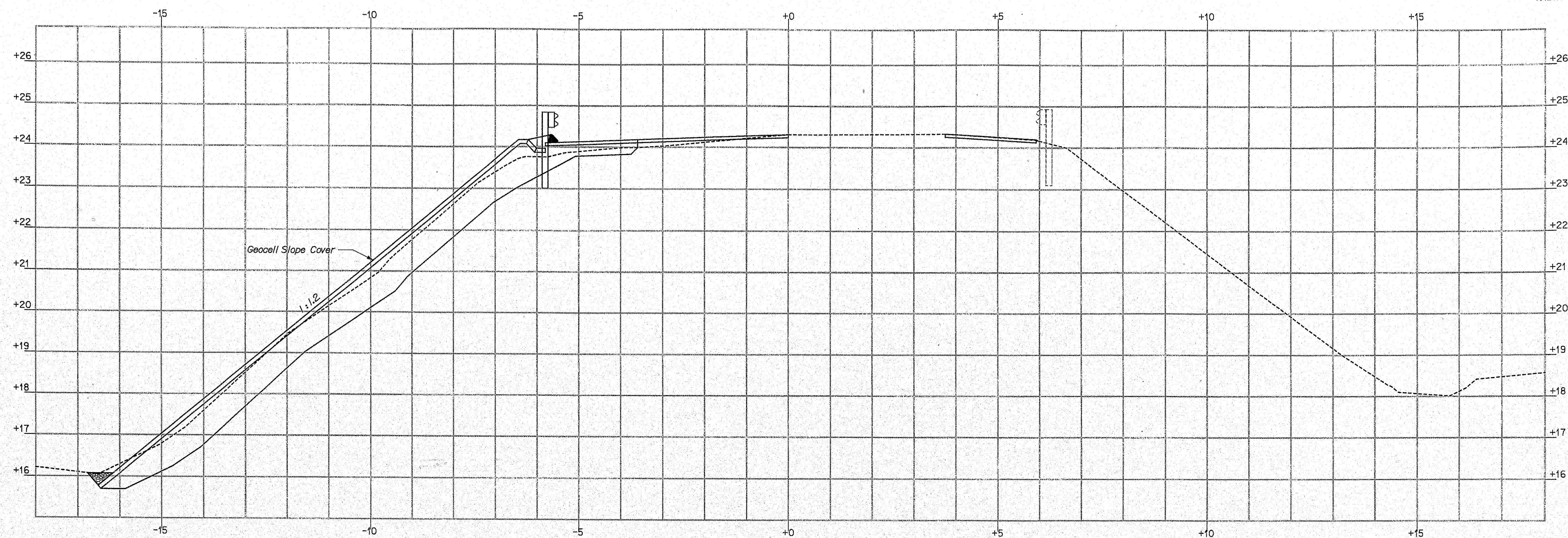
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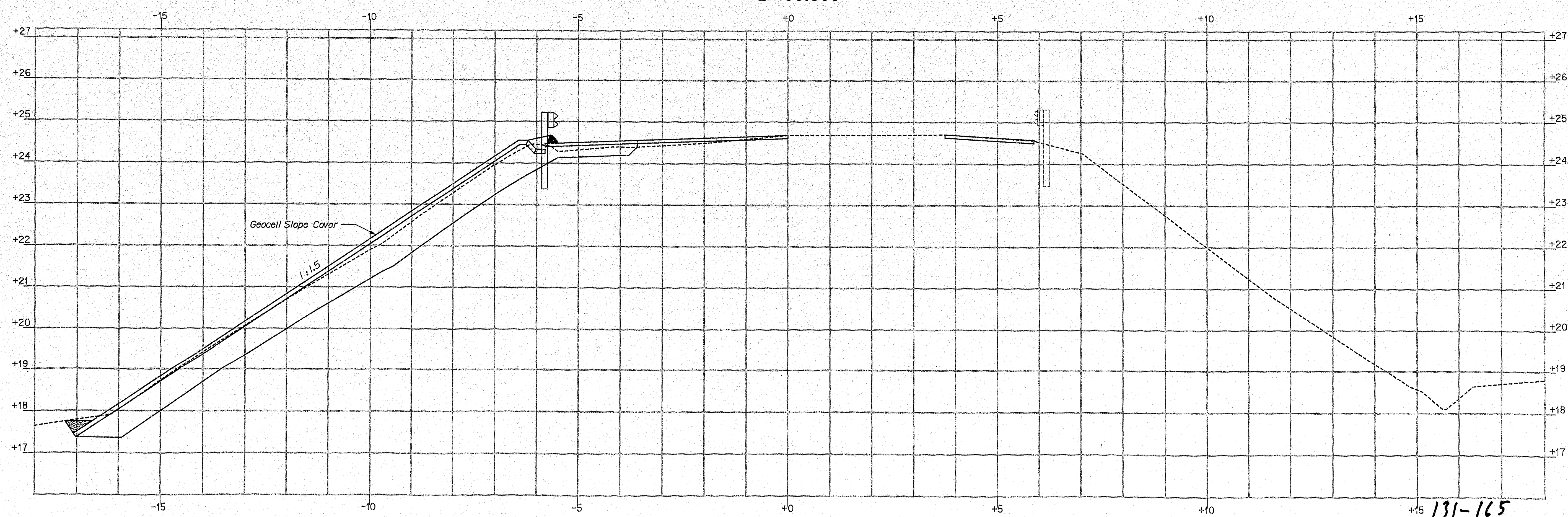
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Boucher	D. Damren
CHECKED		
REVISIONS		
FIELD CHANGES		

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.
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F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X 10128.00	13	25



2+100.000



2+095.000

CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: dana.darren

Division: BRIDGE

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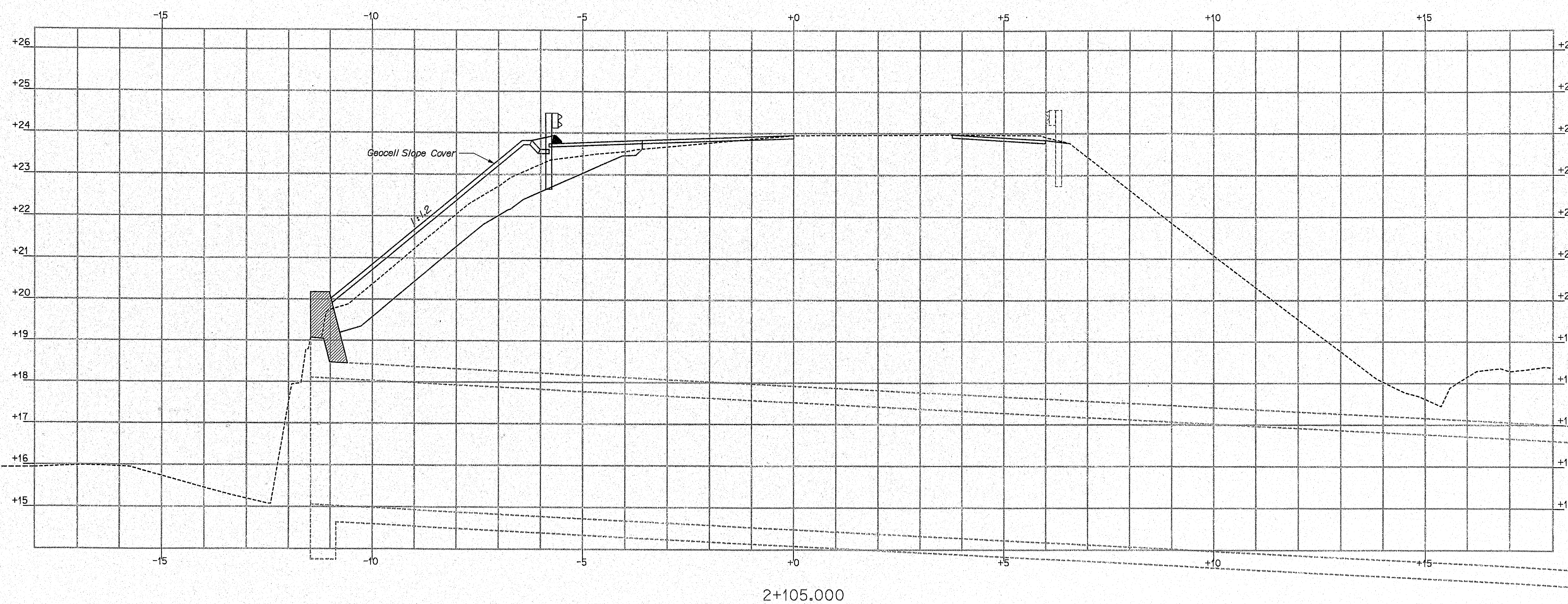
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN/DETAILED	G. Boucher	
CHECKED	D. Darren	
REVISIONS		
FIELD CHANGES		

PLANS

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

PAVMA RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(000)X	14	25

10128.00



131-166

CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: dana.damren

Division: BRIDGE

Filename: ...\\00\\bridge\\msta\\015_Xsect08.dgn

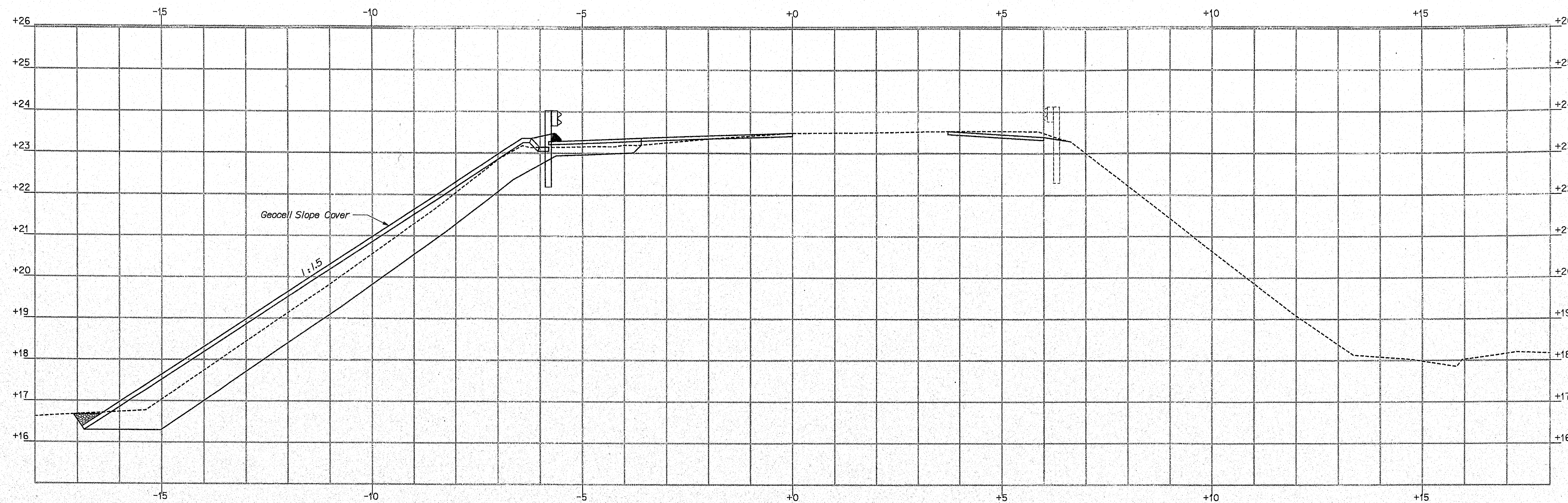
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN/DETAILED	G. Boucher	10/1/2004
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

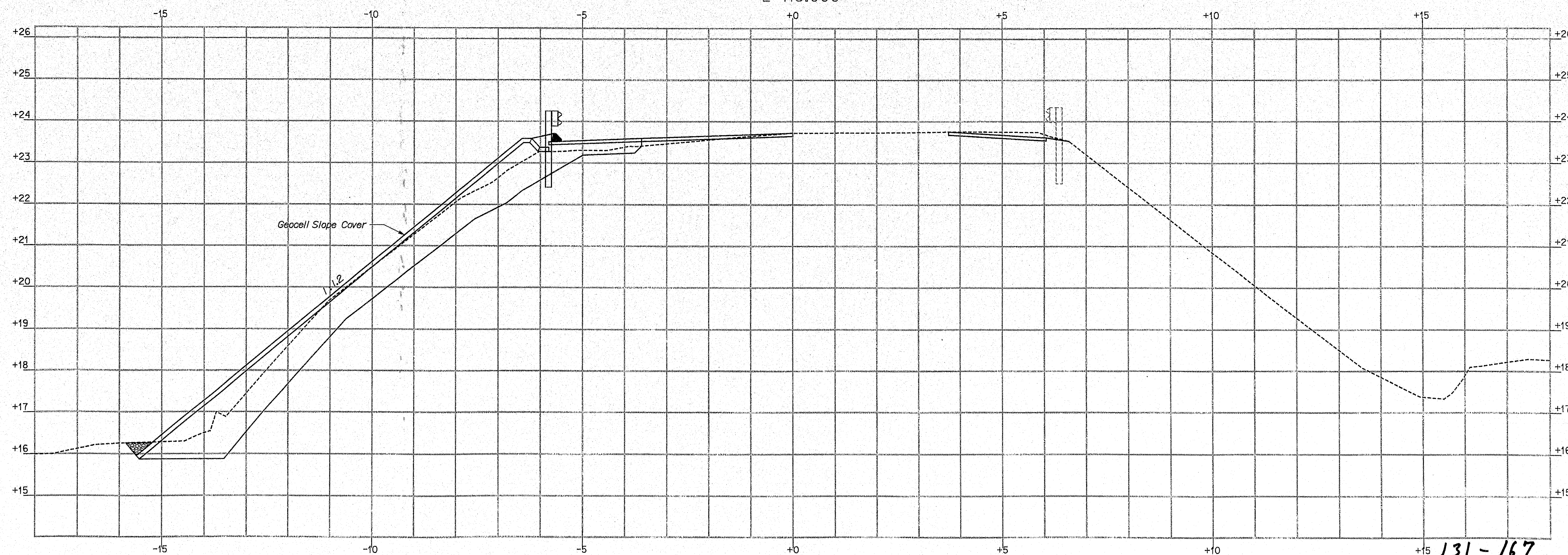
METRIC 1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

PLANS REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X	15	25

10128.00



2+115.000



2+110.000

131-167

CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: dana.danren

Division: BRIDGE

Filename: ...\\00\\Bridge\\msta 016_Xsect09.dgn

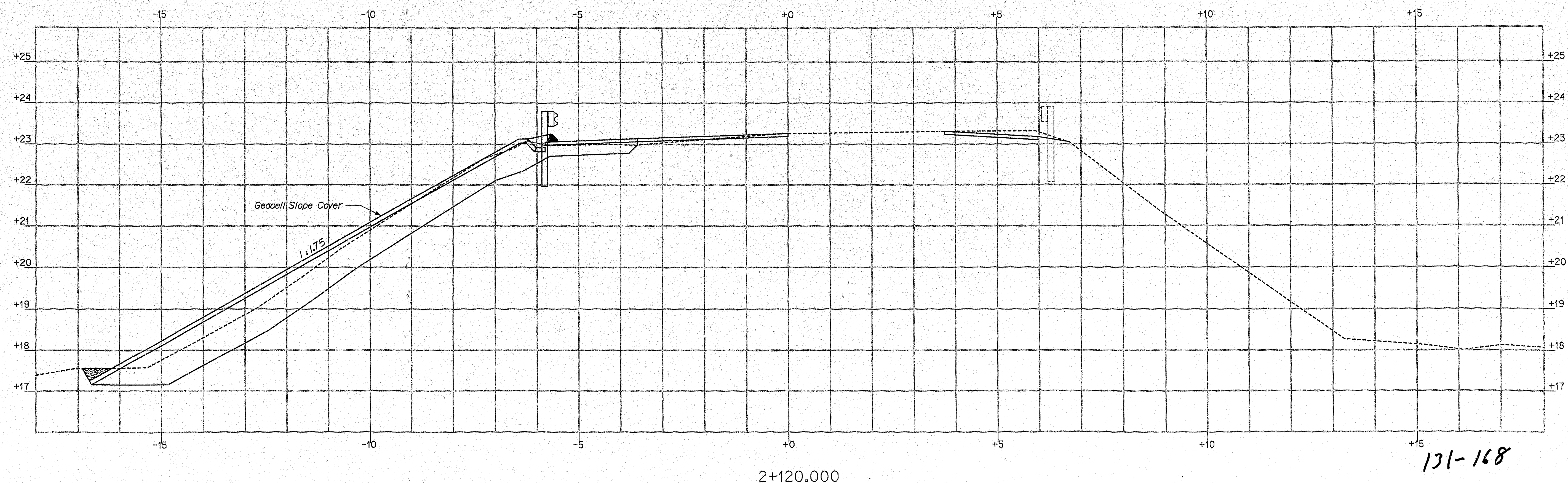
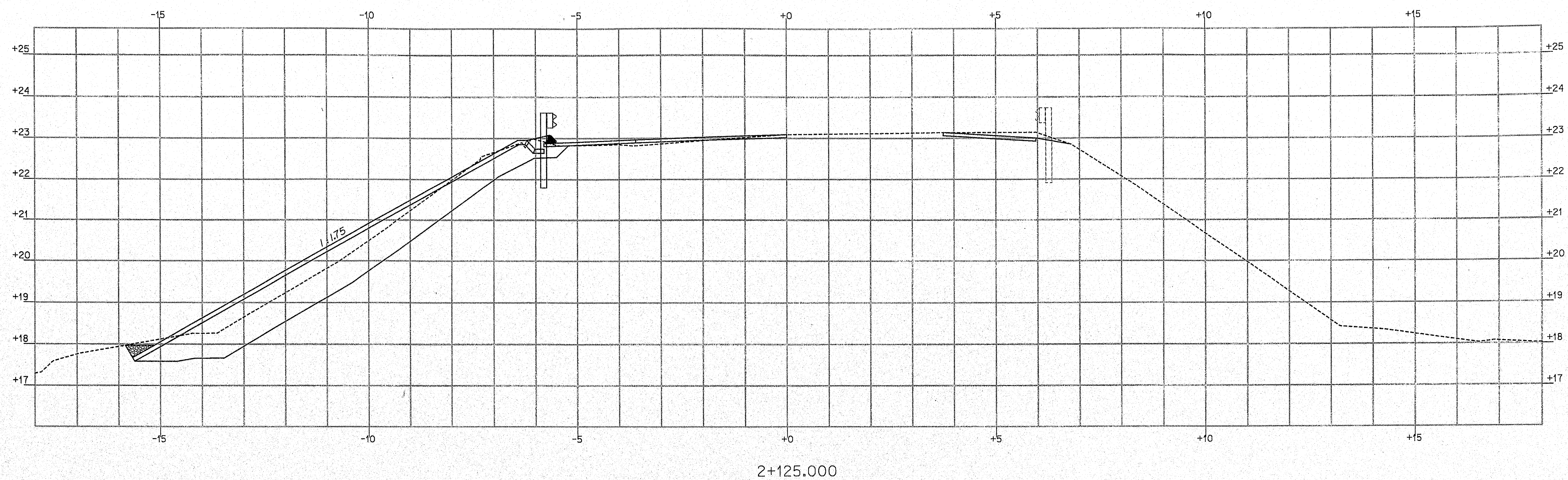
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Boucher	
CHECKED	D. Danren	
REVISIONS		
FIELD CHANGES		

PLANS

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	NH-1012(800)X	16	25

10128.00



CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: dana.damren

Division: BRIDGE

Filename: ...\\00\bridge\msta\017_xsect10.dgn

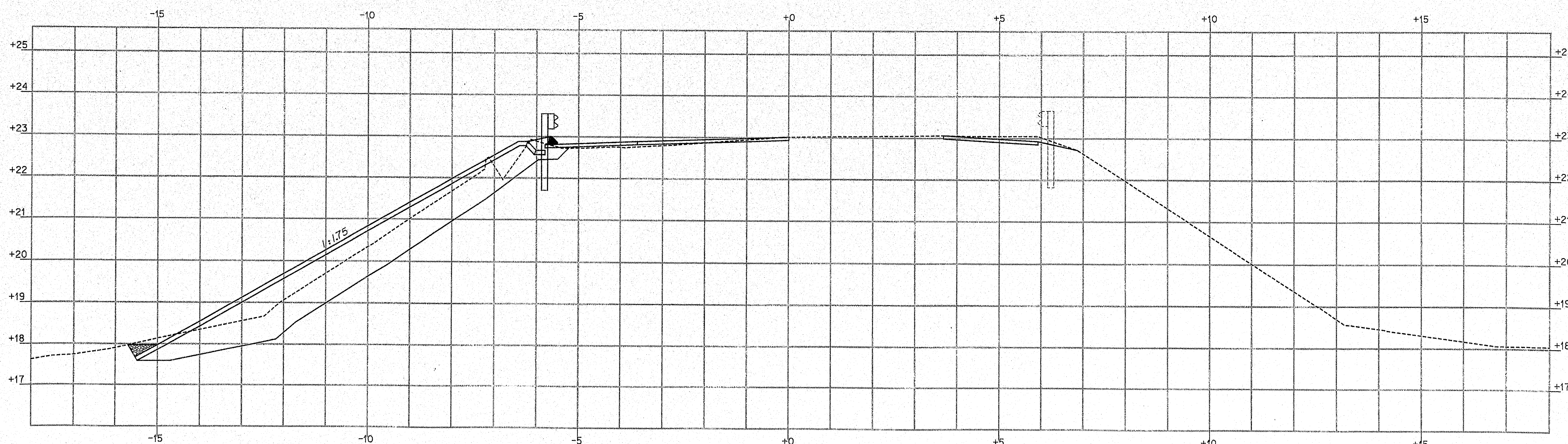
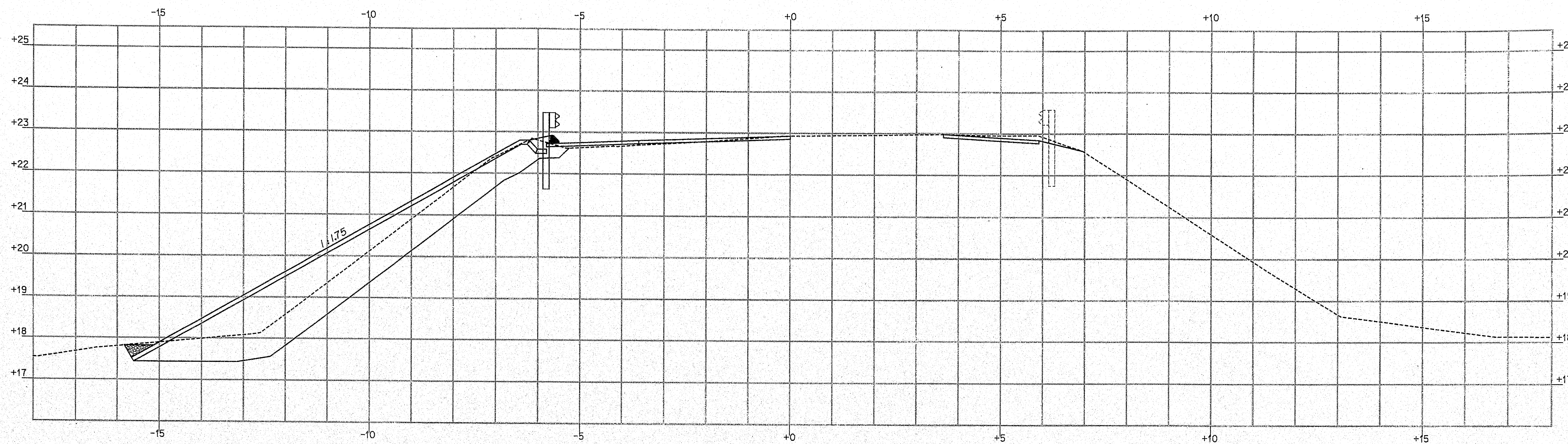
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Baucher	D. Damren
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

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

FJWA DIST. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012/800IX	17	25

10128.00



131-169

CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: dana.damren

Division: BRIDGE

Filename: ...\\00\\Bridge\\nsta\\018_Xsect11.dgn

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	C. Boucher	D. Damren
CHECKED		
REVISIONS		
FIELD CHANGES		

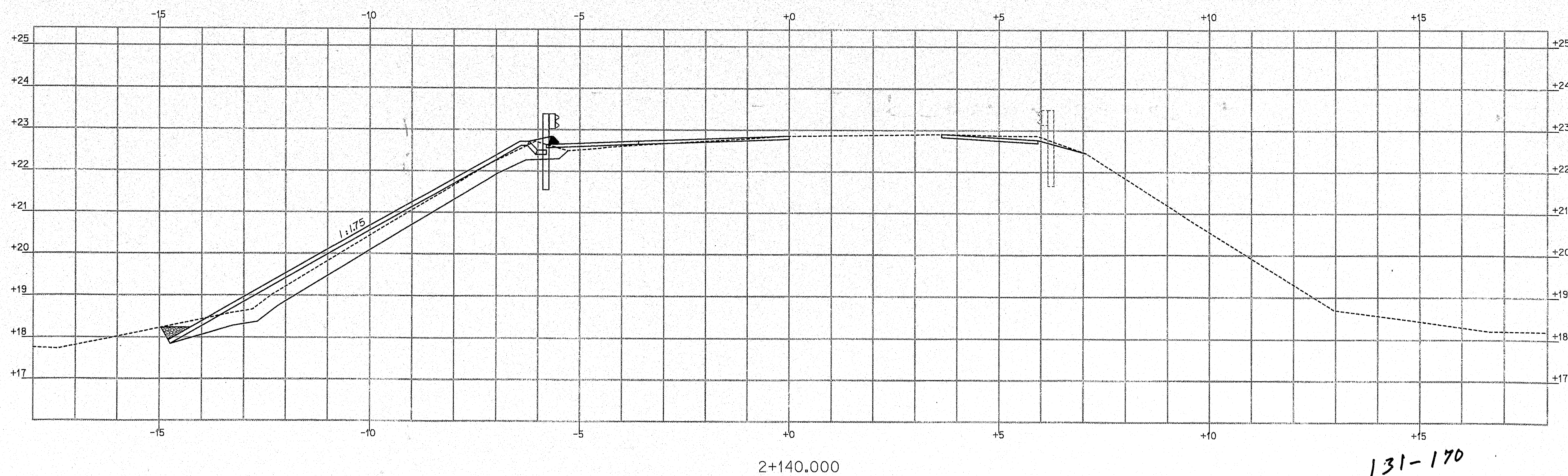
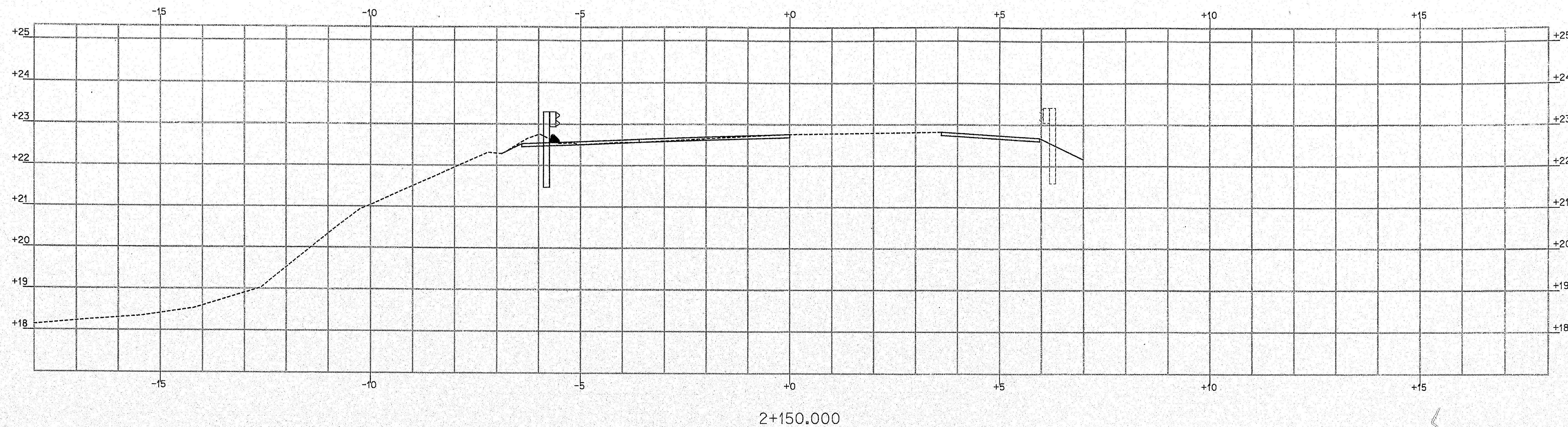
PLANS

METRIC

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

FHWA REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X	18	25

10128.00



CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: dno.darren

Division: BRD&E

Filename: ...\\00\\bridge\\msta\\019_Xsect12.dgn

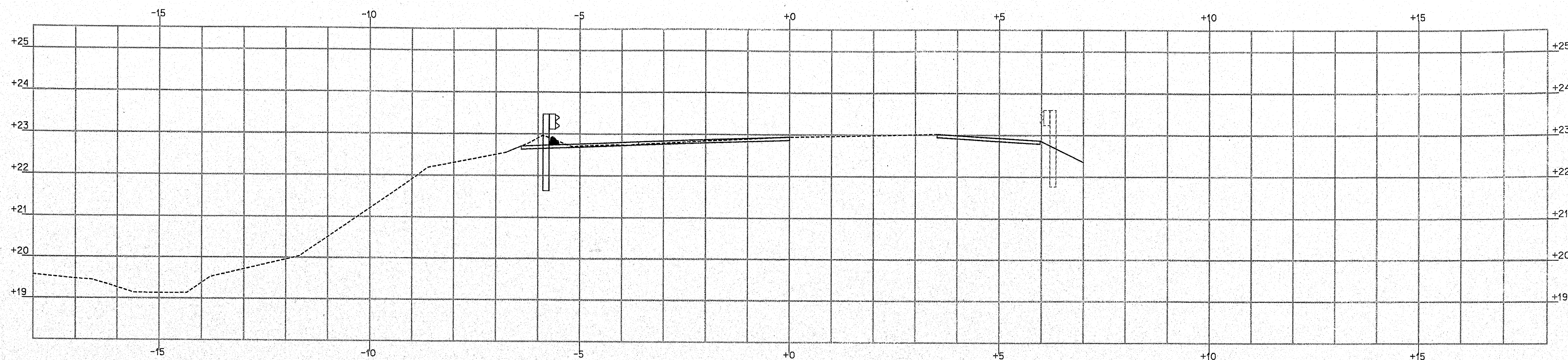
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Boucher	11/1/2003
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

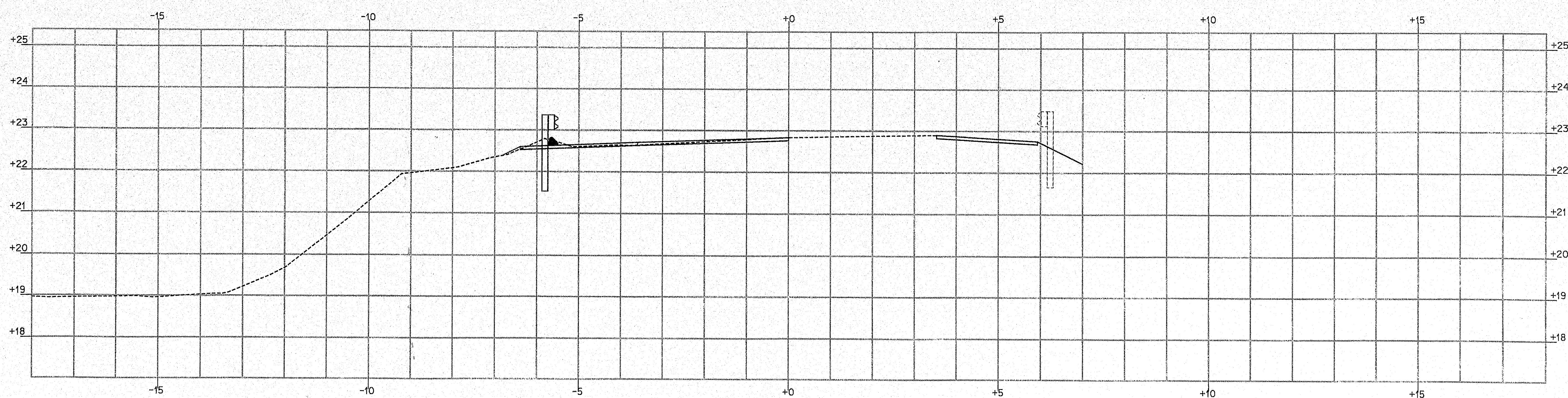
METRIC 1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

FHWA REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(000)X	19	25

10128.00



2+170.000
End Project
Begin Transition



2+160.000

131-171

CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: danc.danren

Division: BRIDGE

Filename: ... \00\bridge\vnsta\020...Xsect13.dgn

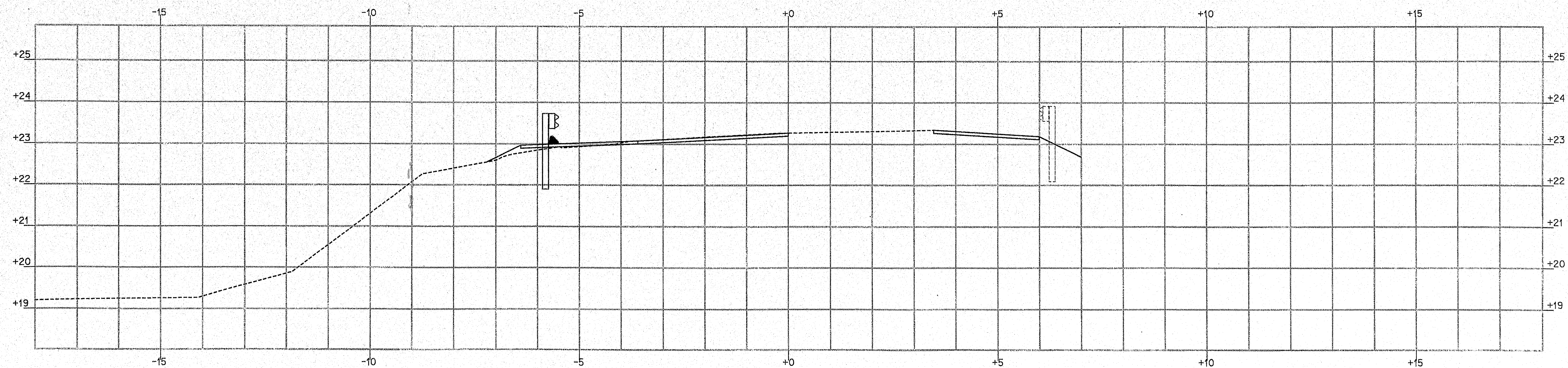
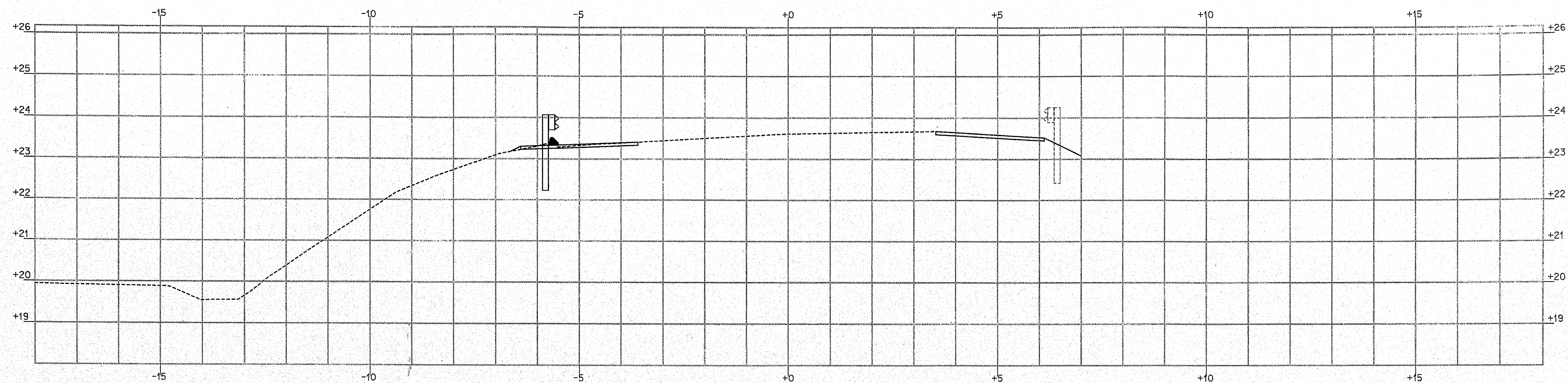
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN/DETAILED	G. Blucher	
CHECKED	D. Danren	
REVISIONS		
FIELD CHANGES		

PLANS

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

PIRWA SHEET NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X	20	25

10128.00



2+180.000
End Transition
Match Existing Travelway

131-172

CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

Date: 8/3/2004

Username: dana.damren

Division: BRIDGE

Filename: ...\\00\\bridge\\msta\\021_Xsect14.dgn

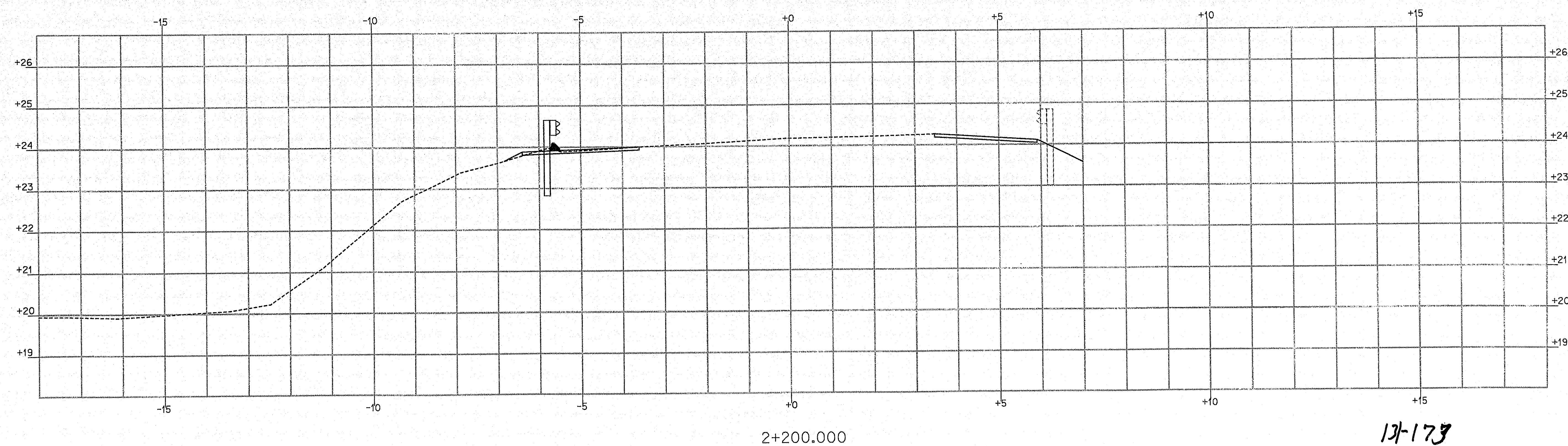
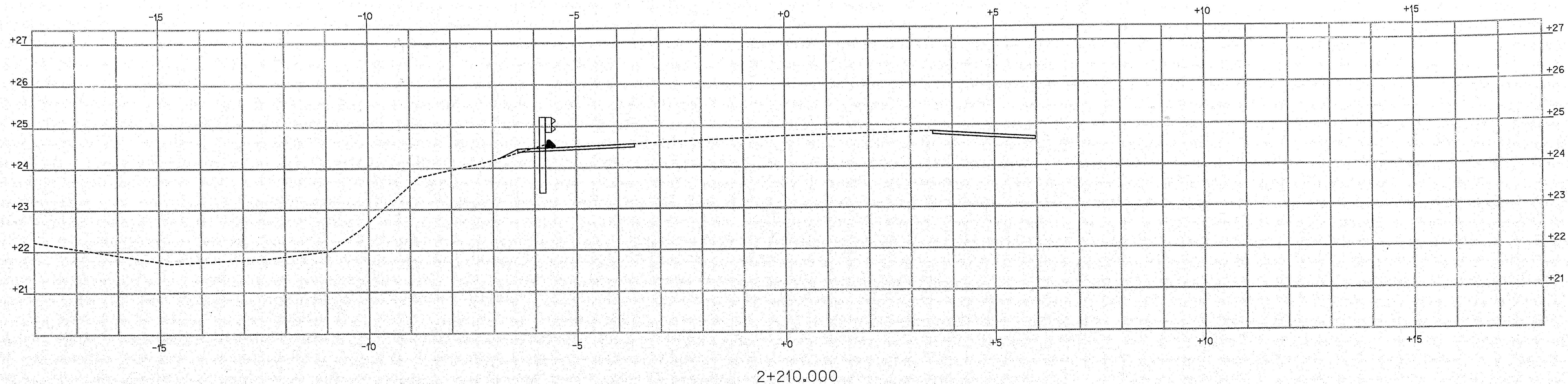
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Baucher	10/1/2004
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

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

FWWA REQ. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-10121800X	21	25

10128.00



CAMDEN

U.S. ROUTE 1

STA. XXXX TO STA. Y+YYY

Date: 8/3/2004

Username: dana.damren

Division: BRIDGE

Filename: ...100 bridge\msta\022_xsect15.dgn

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Boucher	D. Damren
CHECKED		
REVISIONS		
FIELD CHANGES		

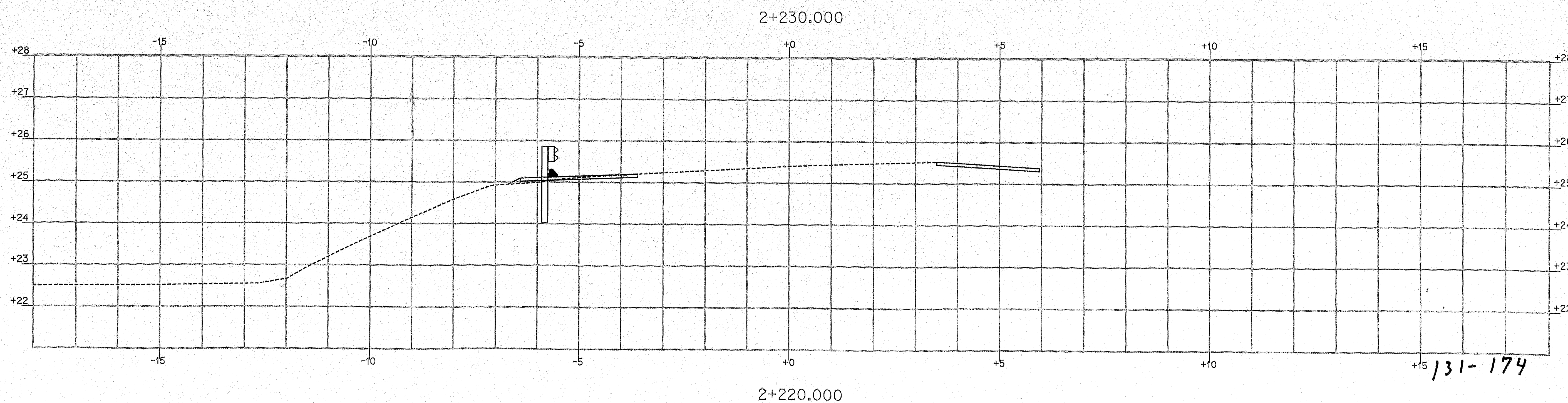
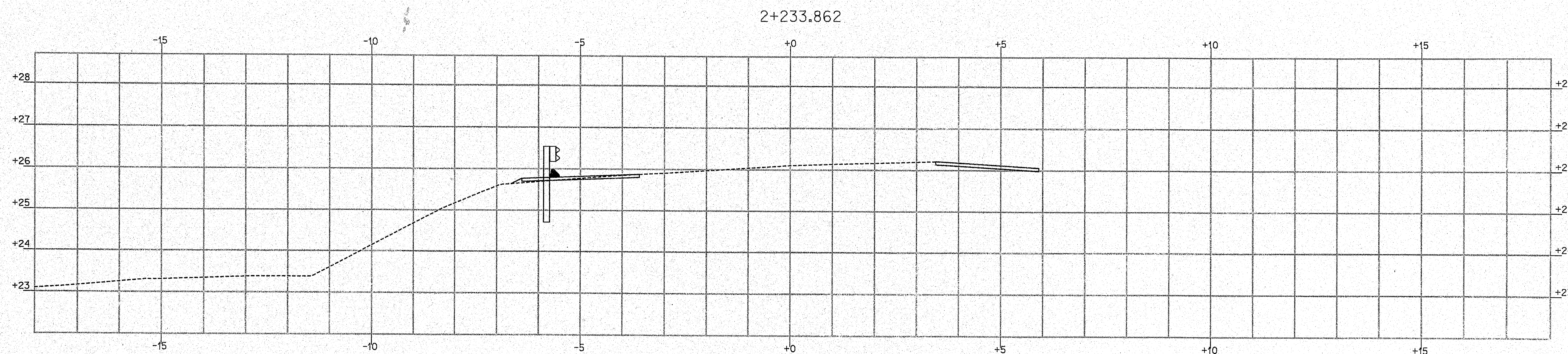
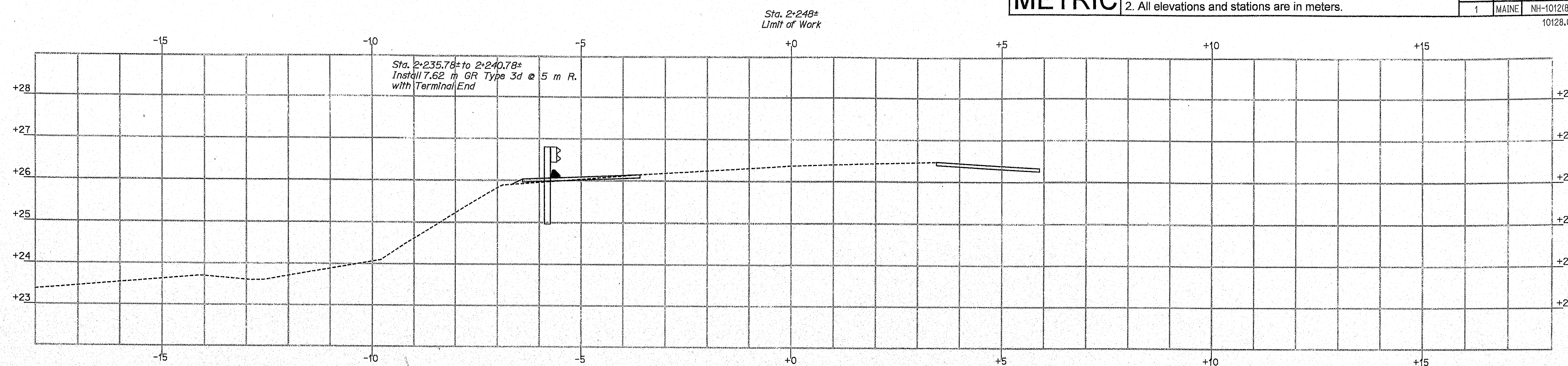
PLANS

METRIC

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

PLAN NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-101218001X	22	25

10128.00



CAMDEN

U.S. ROUTE 1

STA. X+XXX TO STA. Y+YYY

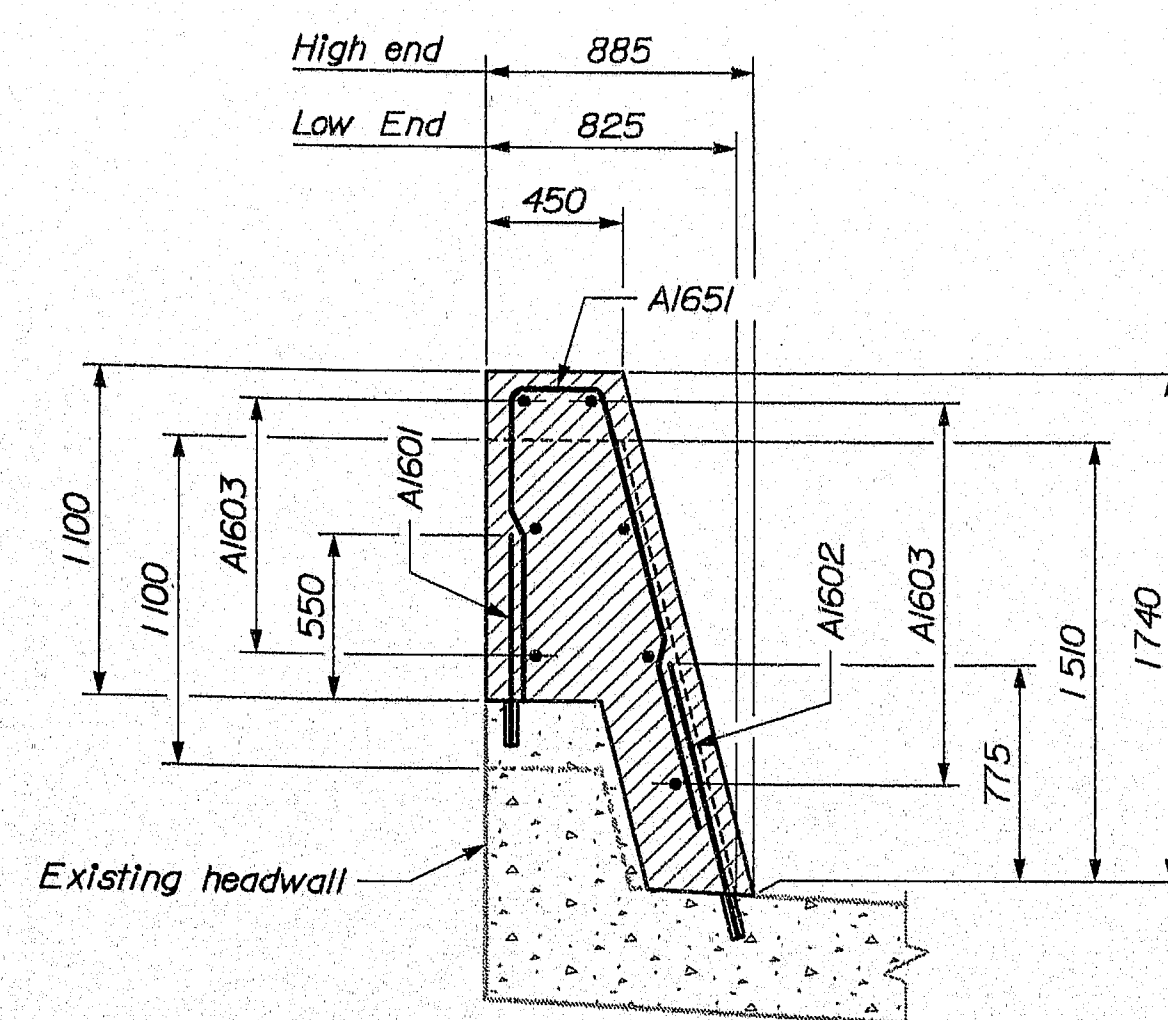
Date: 7/14/2004

Username: dana.damren

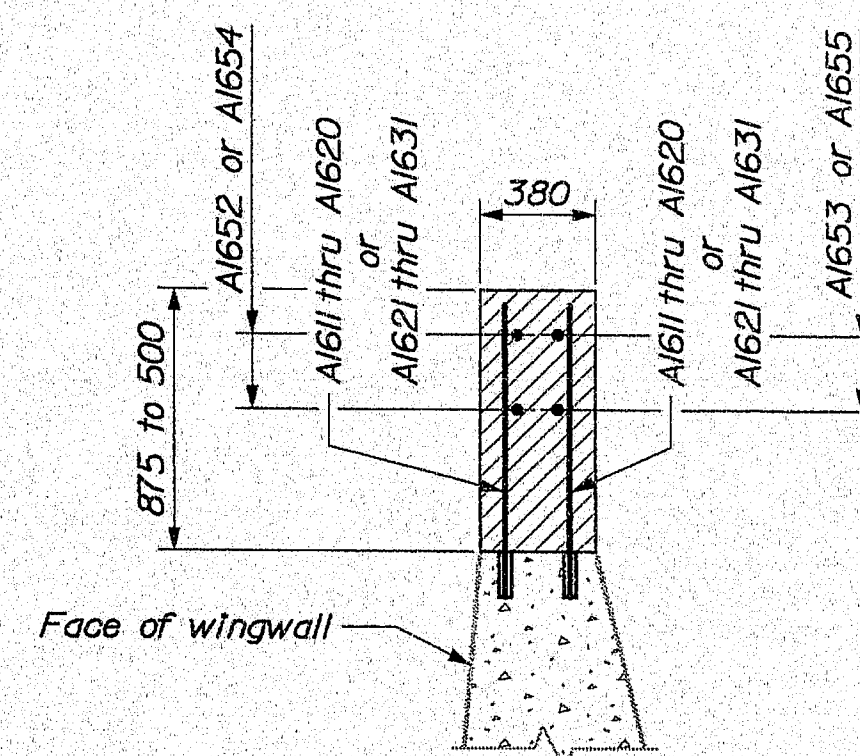
Division: BRIDGE

Filename: ...MSTA\023_Box_Culvert.dgn

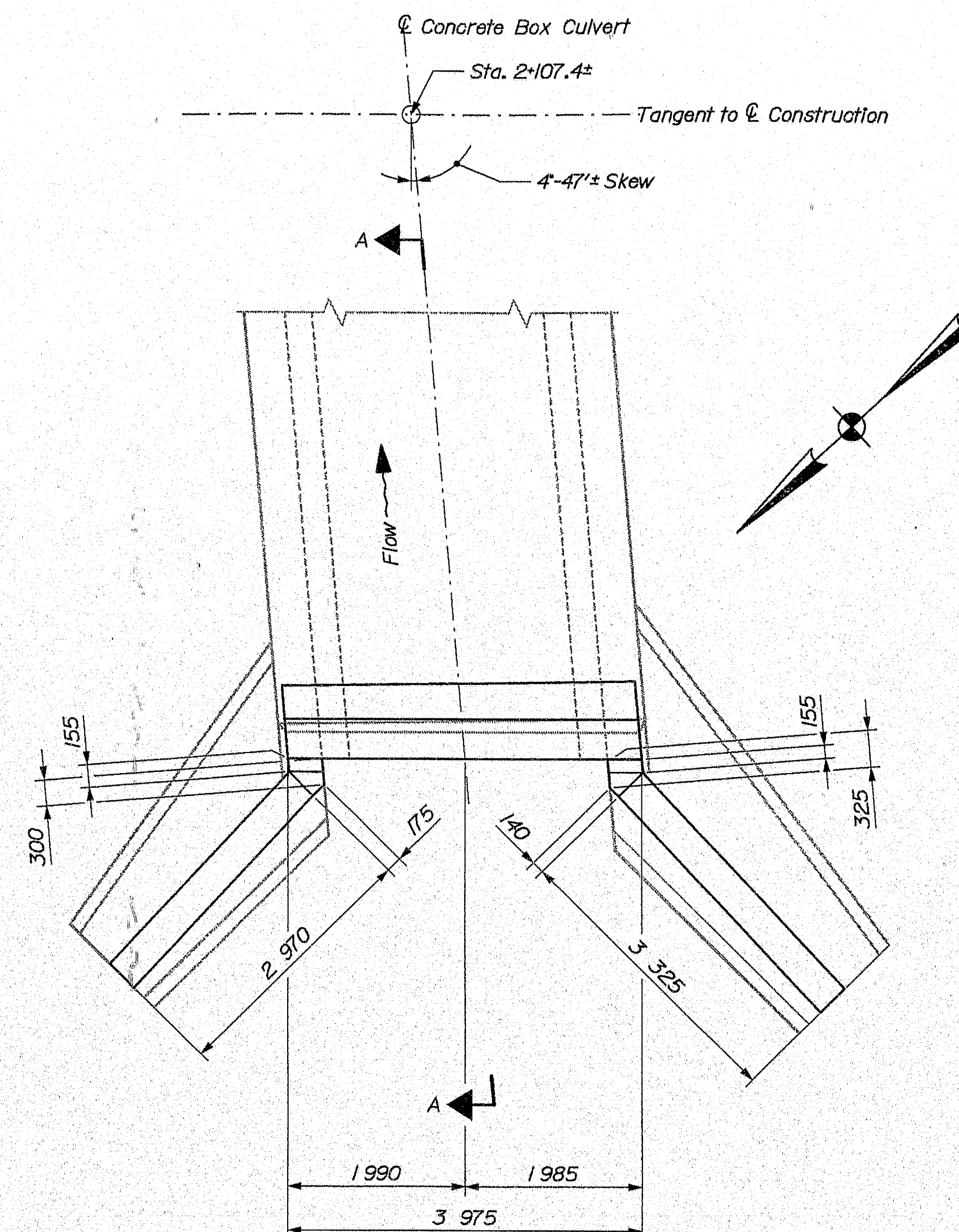
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	C. Boucher	
CHECKED		
REVISIONS		
FIELD CHANGES		



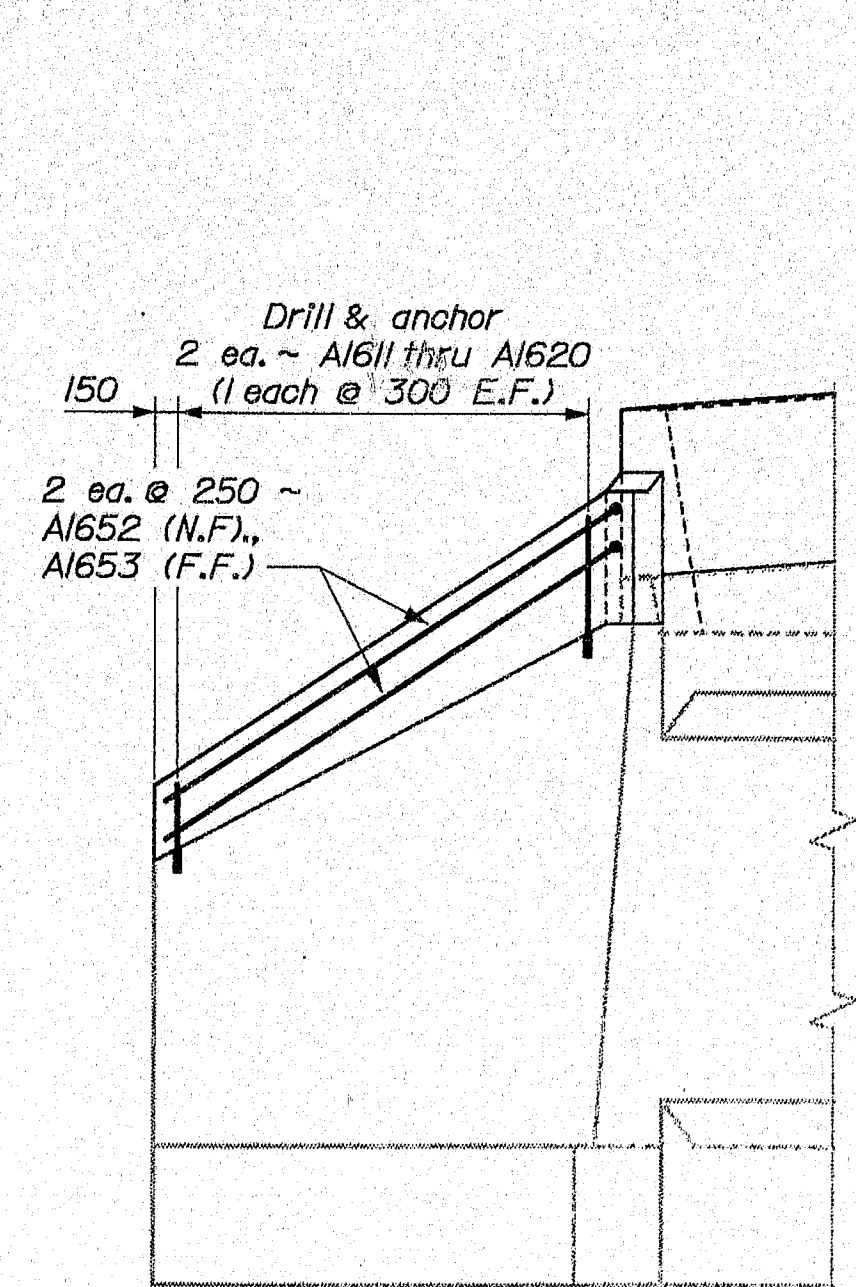
HEADWALL SECTION



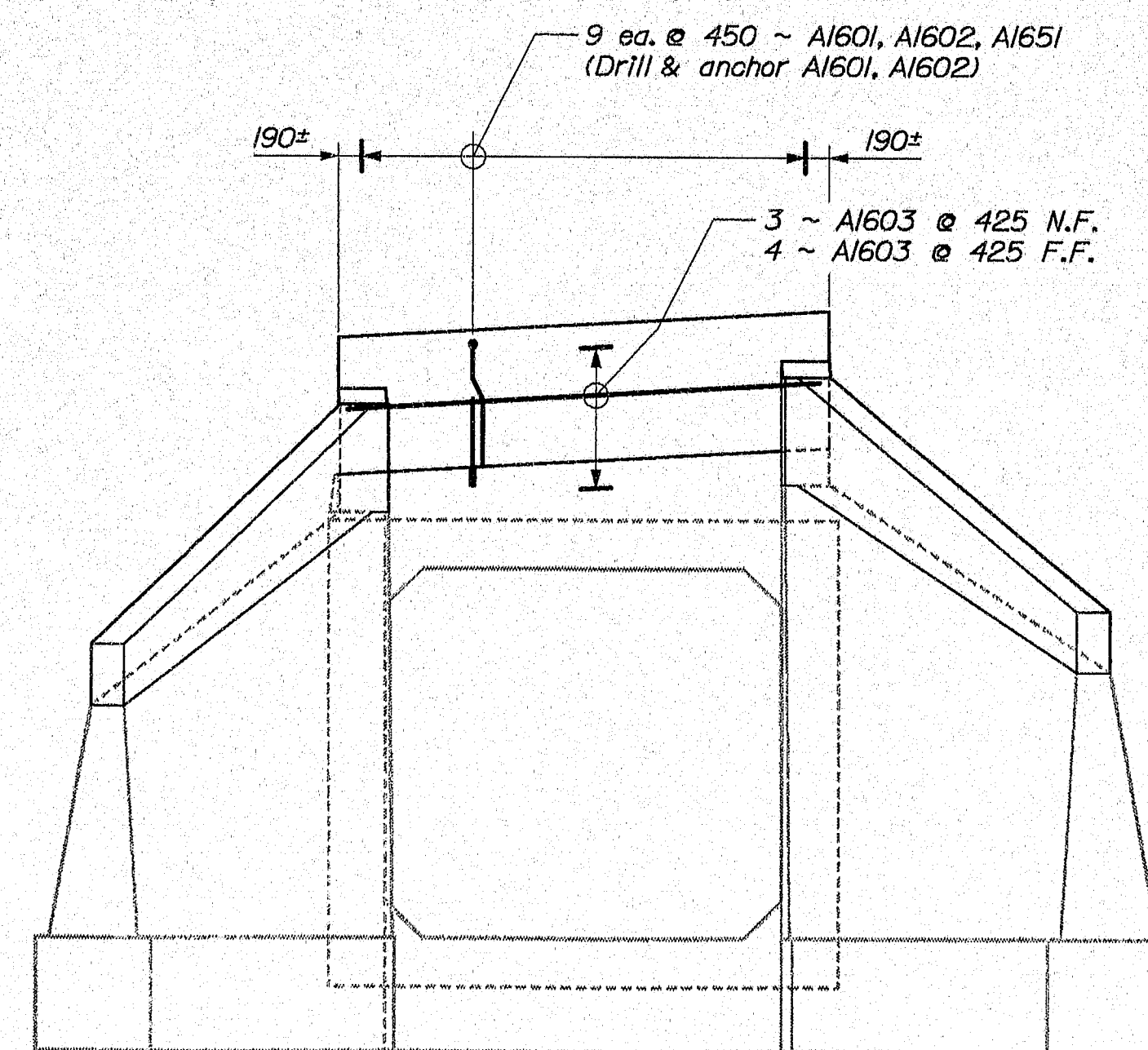
WINGWALL SECTION



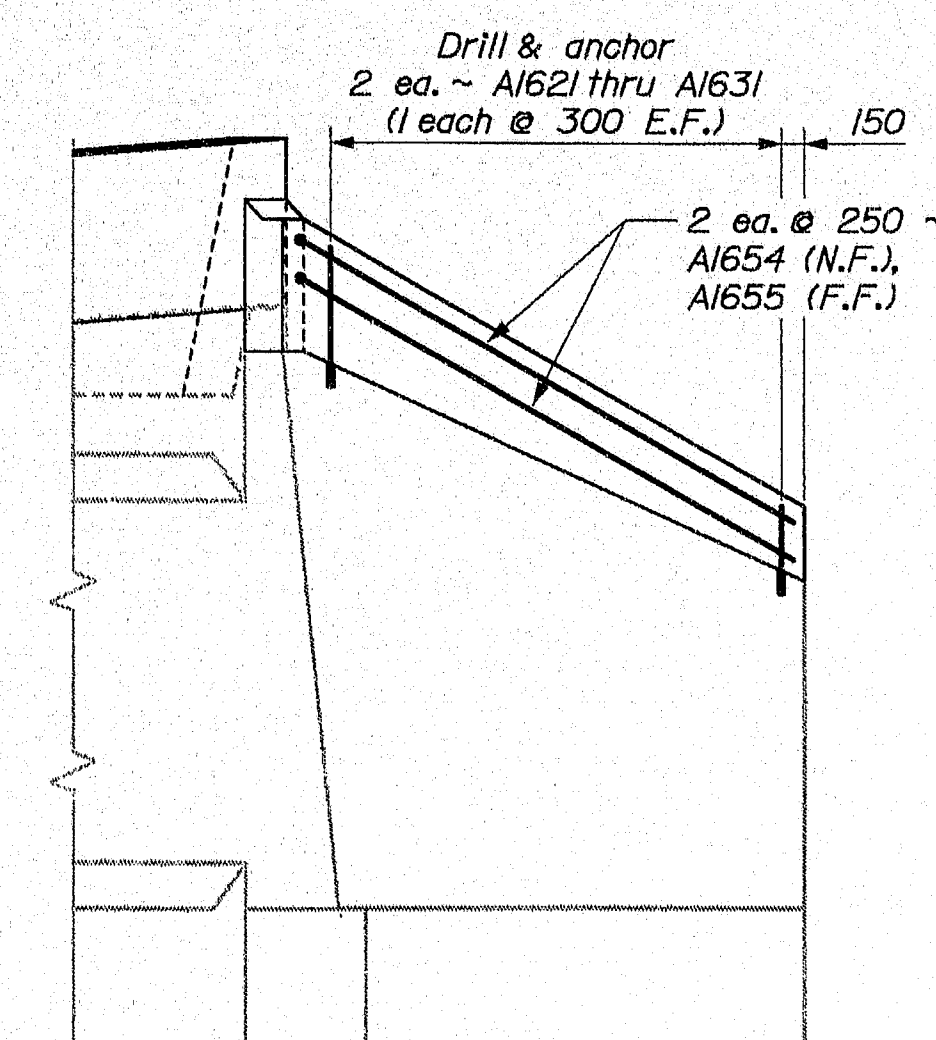
BOX CULVERT UPSTREAM END PLAN



EAST WINGWALL ELEVATION



BOX CULVERT UPSTREAM END ELEVATION



WEST WINGWALL ELEVATION

METRIC

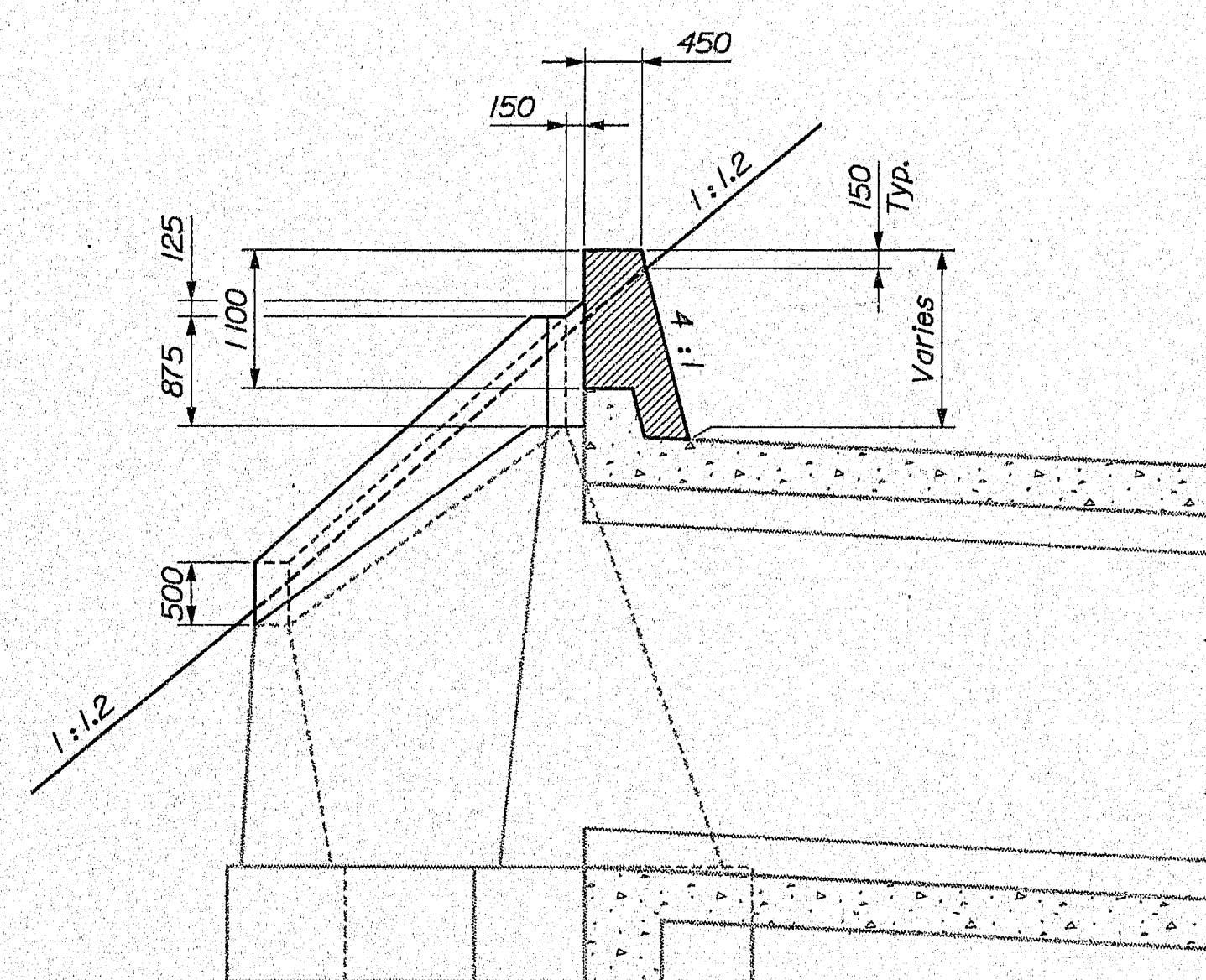
1. All dimensions are in millimeters unless otherwise noted.
2. All elevations and stations are in meters.

PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
NH-1012(800)X	23	25

10128.00

BOX CULVERT NOTES

1. Reinforcing steel shall have 75 mm minimum cover unless otherwise indicated.
2. Payment for any excavation required to construct the headwall and wingwall caps will be considered incidental to contract items.



SECTION A-A
Dimensions typical for both wingwalls

SYMBOLS

	Existing concrete to remain
	New concrete (in section)

LEGEND

N.F. = Near Face
F.F. = Far Face
E.F. = Each Face

131-175

BRIDGE NO. 2794
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SPRING BROOK BRIDGE
OVER
SPRING BROOK
IN THE TOWN OF
CAMDEN
KNOX COUNTY
BOX CULVERT DETAILS

SHEET OF AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	G. Boucher	D. Damren
CHECKED	Checked by: <i>John A. P.</i>	Checked by: <i>John A. P.</i>
REVISIONS	Revised by: <i>John A. P.</i>	Revised by: <i>John A. P.</i>
PLANS		
FIELD CHANGES		

FHWA. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X	24	25

SHEET OF AUGUSTA, MAINE

ITEM	TECH	CHECKED	REVISIONS		
BASE MAP			NO.	DATE	DESCRIPTION
EXIST. R/W	P.A.T.				BY
PROP. LINES	P.A.T.				
AREAS	P.A.T.				

THIS PLAN WAS PREPARED IN CONNECTION WITH THE DEPARTMENT'S ACQUISITION OF REAL PROPERTY FOR TRANSPORTATION PURPOSES. IT CANNOT BE USED OR RELIED UPON TO ESTABLISH LEGAL BOUNDARIES BETWEEN ADJUTING PROPERTY OWNERS.

METRIC	FEET	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	NH-1012(800)X	25	25	

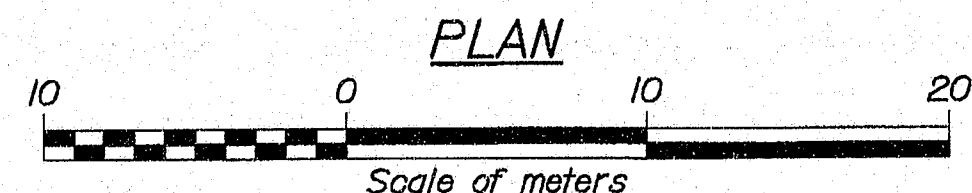
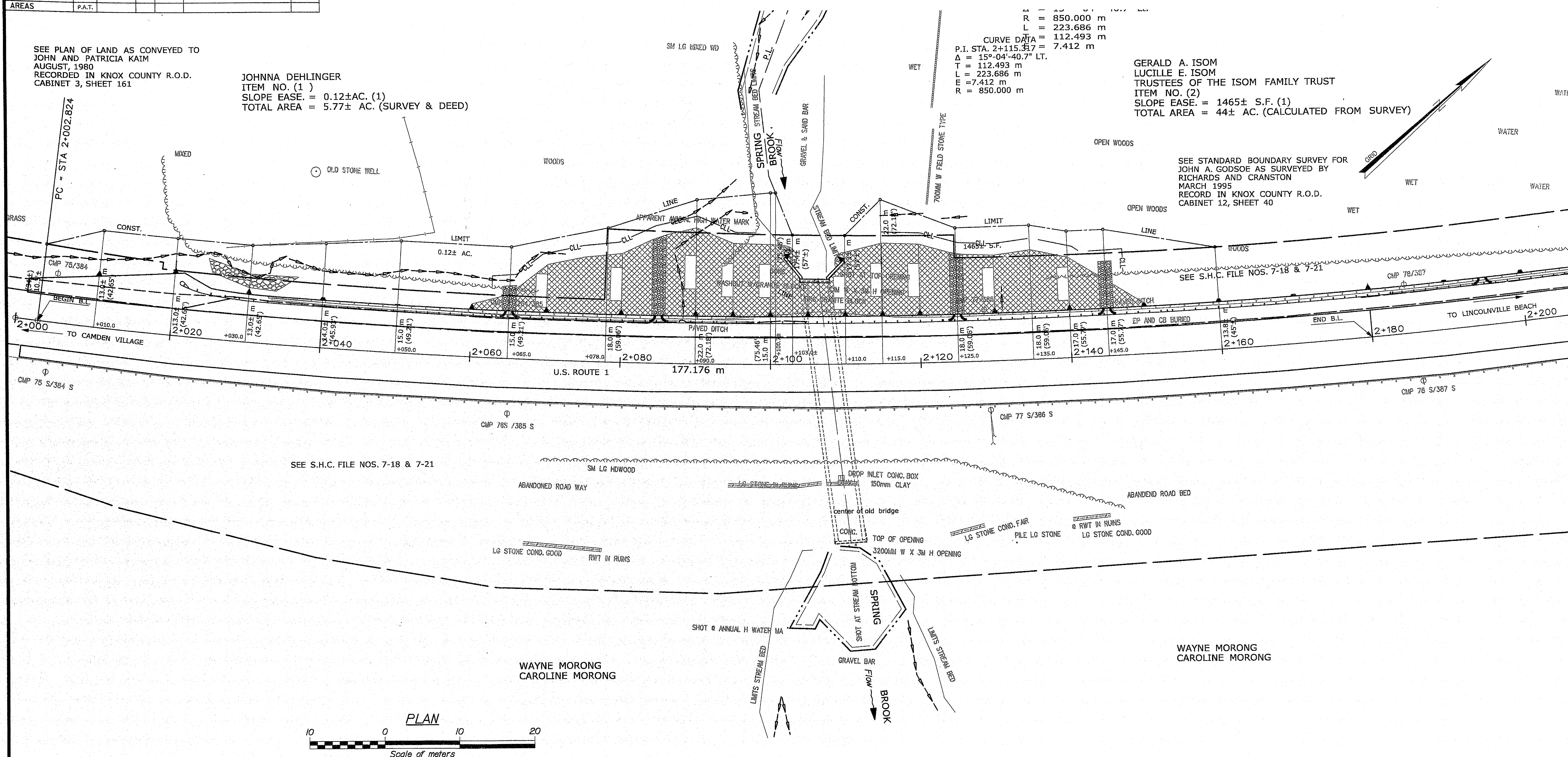
SEE PLAN OF LAND AS CONVEYED TO JOHN AND PATRICIA KAIM AUGUST, 1980 RECORDED IN KNOX COUNTY R.O.D. CABINET 3, SHEET 161

JOHNNA DEHLINGER
ITEM NO. (1)
SLOPE EASE = 0.12± AC. (1)
TOTAL AREA = 5.77± AC. (SURVEY & DEED)

CURVE DATA
P.I. STA. 2+115.37
Δ = 15°-04'-40.7" LT.
T = 112.493 m
L = 223.686 m
E = 7.412 m
R = 850.000 m

GERALD A. ISOM
LUCILLE E. ISOM
TRUSTEES OF THE ISOM FAMILY TRUST
ITEM NO. (2)
SLOPE EASE = 1465± S.F. (1)
TOTAL AREA = 44± AC. (CALCULATED FROM SURVEY)

SEE STANDARD BOUNDARY SURVEY FOR JOHN A. GODSOE AS SURVEYED BY RICHARDS AND CRANSTON MARCH 1995 RECORDED IN KNOX COUNTY R.O.D. CABINET 12, SHEET 40

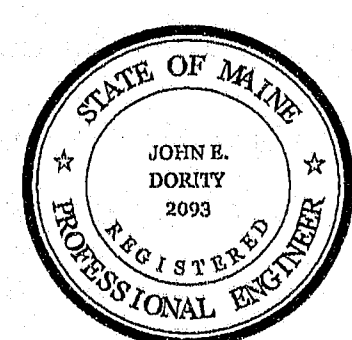


STATE OF MAINE
REGISTRY OF DEEDS

COUNTY _____
RECEIVED _____
at _____ h _____ m _____ M and recorded in
Plan Book _____, Page _____
Attest: _____ REGISTER

PLAN FILED IN PLAN BOOK		COUNTY RECORD			
NO.	GRANTOR	INSTRUMENT	DATE	BOOK	PAGE
		COND.	03-23-2004	3179	260

CAMDEN TOWN RECORDS
4 RODS WIDE 1797
SEE S.H.C. FILE NOS. 7-18 & 7-21



SYMBOLS		RAILROAD SPIKE		CONTROL MONUMENTS	
○ (IRON PIPE OR PIN)		MAINE DEPARTMENT OF TRANSPORTATION - CENTERLINE CONTROL		MAINE STATE COORDINATE SYSTEM - ZONE	
□ (SEPTIC TANK)		CENTERLINE CONTROL MONUMENTS		TRAVERSE CONTROL POINTS	
— WATER LINE —		STATION	NORTH	EAST	NUMBER
— GAS LINE —					
— ELECTRIC LINE —					
— TELEPHONE LINE —					
— SEWER LINE —					
— PROPERTY LINE —					
— LIMITS OF WROUGHT PORTION —					
— EXISTING RIGHT OF WAY —					
— NEW RIGHT OF WAY —					
— NEW RIGHT OF WAY WITHIN EXISTING RIGHT OF WAY —					
— CONTROL OF ACCESS —					

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

STATE HIGHWAY "26" (U.S.ROUTE 1)
CAMDEN KNOX COUNTY
FEDERAL AID PROJECT NO. NH-1012(800)X

DATE: DECEMBER 2003
SCALE: 1" = 250'
SHEET NO. 1 OF 1 SHEET
D.O.T. FILE NO. 7 - 134

DAVID A. COLE
COMMISSIONER

JOHN E. DORITY
CHIEF ENGINEER

SPRING BROOK BRIDGE 131-177
OVER
SPRING BROOK
BRIDGE NO. 2794

P.L.N. 010128.00