Pin 006799.00

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-6799(00)X	1	16

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

PLANS

WOOLEN MILL BRIDGE
OVER
MEGUNTICOOK RIVER
IN THE TOWN OF
CAMDEN
KNOX COUNTY
PROJECT NO. BH-6799(00)X
PROJECT LENGTH 0.068 KILOMETER

Index Of Sheets

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SPECIFICATIONS

DESIGN: Load Factor Design per AASHTO Standard Specifications for Highway Bridges 1996.
CONTRACT: State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges, Revision of April 1995.
STANDARD DETAILS: State of Maine, Department of Transportation, Highways and Bridges, April, 1997.

DESIGN LOADING

LIVE LOAD: MS22.5 STRESS CYCLES: 500,000

MATERIALS

CONCRETE: Class A
REINFORCING STEEL: ASTM A615/A615M, Grade 420

BASIC DESIGN STRESSES

CONCRETE: f'c = 20 MPa
REINFORCING STEEL: fy = 420 MPa

FE24

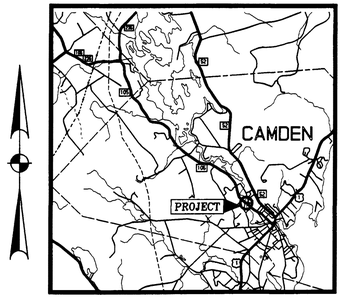
Design Method: Load factor per AASHTO Specification
Allowable Soil Bearing: 190 kPa

TRAFFIC DATA	Rte. 105 S.E. of Sand St.	GOULD ST. N.E. of Rte. 105	Rte. 105 @ Woolen Mill Bridge	Ames Terr. S.W. of Rte. 105	Rte. 105 N.W. of Ames Terr.
AADT (1997)	3770	2020	3340	650	3160
AADT (2017)	5280	2830	4680	910	4280
DHV	581	311	515	100	471
T (%)	4	4	4	4	4
D (%)	60	55	60	55	60
V (Km/h)	55	-	55	-	55
80 kN eq. P2.0	66	22	58	7	54
80 kN eq. P2.5	66	21	58	7	53

Hydrologic Data

Drainage Area	84.871 km²
Design Discharge (Q50)	59.500 m³/s
Check Discharge (Q100)	70.200 m³/s
Headwater Elevation (Q50)	26.920 m
Headwater Elevation (Q100)	27.110 m
Discharge Velocity (Q50)	2.070 m/s
Discharge Velocity (Q100)	2.380 m/s

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 interpretation by the Department of information obtained for the subject site and no assurance is given that the information or the conclusions of the report will be representative of actual conditions at the time of construction.



Location Map

Plans of existing bridge are available for the Contractor's reference at the Bridge Design Office in Augusta. These are reproductions of original drawings as prepared for the construction of the bridge and 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.

NOTE:
All work comtemplated under this contract shall be governed by and in conformity with the Standard Specifications (Revisions of April 1995) and the supplementals thereto, together with the Standard Details Highways and Bridges (Revisions of April 1997) and the supplementals thereto, as modified by the plans and Specification Special Provisions.

STATE OF MAINE JOHN E. DORITY 2093 REGISTERED PROFESSIONAL ENGINEER

APPROVED:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

COMMISSIONER — DATE 4/27/98
CHIEF ENGINEER — DATE April 24, 1998

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

REGION 1

APPROVED:

DIVISION ADMINISTRATOR — DATE

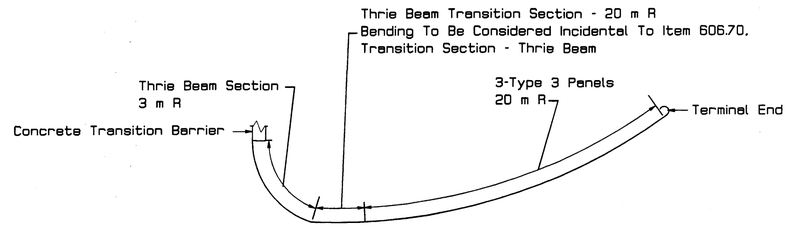
16APR97-15.06.20

Pin 006799.00

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-6799(00)X	2	16

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.19	REMOVING EXISTING BRIDGE [256 m³]	1	LS
203.20	COMMON EXCAVATION	272	m³
203.24	COMMON BORROW	253	m³
203.25	GRANULAR BORROW	690	m³
206.082	STRUCTURAL EARTH EXCAVATION - MAJOR STRUCTURES	272	m³
304.10	AGGREGATE SUBBASE COURSE-GRAVEL	430	m³
403.208	SUPERPAVE HOT MIX ASPHALT, 12.5 mm NOMINAL MAXIMUM SIZE	182	Mg
502.219	STRUCTURAL CONCRETE, ABUTMENTS AND RETAINING WALLS [87 m³]	1	LS
502.82	PRECAST STRUCTURAL CONCRETE ARCH [65 m³]	1	LS
503.12	REINFORCING STEEL, FABRICATED AND DELIVERED	4360	kg
503.13	REINFORCING STEEL, PLACING	4360	kg
507.081	STEEL BRIDGE RAILING, 2 BAR	7.770	m
507.0831	STEEL BRIDGE RAILING, 4 BAR [7.700 m]	1	LS
508.13	MEMBRANE WATERPROOFING [130 m²]	1	LS
511.07	COFFERDAM: Abutment #1	1	LS
511.07	COFFERDAM: Abutment #2	1	LS
512.08	FRENCH DRAINS	43	m
514.06	CURING BOX FOR CONCRETE CYLINDERS	1	Each
515.21	PROTECTIVE COATING FOR CONCRETE SURFACES [44 m²]	1	LS
526.301	TEMPORARY CONCRETE BARRIER, TYPE I [24 m]	1	LS
601.22	GABIONS, PVC COATED	23	m³
603.16	375 mm CULVERT PIPE OPTION I	10	m
603.17	450 mm CULVERT PIPE OPTION I	10	m
604.18	ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	4	Each
604.182	CLEAN EXISTING CATCH BASIN AND MANHOLE	4	Each
606.1721	BRIDGE TRANSITION-TYPE 1	3	Each
606.265	TERMINAL END - SINGLE RAIL - GALVANIZED STEEL	1	Each
606.35	GUARDRAIL DELINEATOR POST	6	Each
606.369	GUARDRAIL REMOVED AND STACKED	10	m
606.55	GUARDRAIL TYPE 3 - SINGLE RAIL	15.240	m
606.60	GUARDRAIL TYPE 3 - OVER 4.5 m RADIUS	19.050	m
606.70	TRANSITION SECTION THRIE BEAM	1	Each
606.71	GUARDRAIL THRIE BEAM - 4.5 m RADIUS AND LESS	3.810	m
606.77	BREAKAWAY CABLE TERMINAL	3	Each
609.11	VERTICAL CURB TYPE 1	29.300	m
609.237	TERMINAL CURB TYPE 1 - 2.1 m	1	Each
609.38	RESET CURB TYPE 1	15	m
610.08	PLAIN RIPRAP	69	m³
615.07	LOAM	10	m³
616.08	SODDING	5	m²
618.14	SEEDING METHOD NUMBER 2	1	Unit
618.15	TEMPORARY SEEDING	1	kg
618.25	APPLIED WATER	4	m³
619.12	MULCH	1	Unit
627.71	100 mm WHITE PAVEMENT MARKING LINE	177	m
627.73	100 mm YELLOW PAVEMENT MARKING LINE	89	m
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	2	m²
627.77	REMOVING PAVEMENT MARKINGS	10	m²
627.78	TEMPORARY 100 mm PAINTED PAVEMENT MARKING LINE, WHITE OR YELLOW	89	m
629.05	HAND LABOR, STRAIGHT TIME	10	Man Hour
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	10	Hour
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	10	Hour
639.19	FIELD OFFICE TYPE B	1	Each
652.312	TYPE III BARRICADE	4	Each
652.33	DRUM	20	Each
652.34	CONE	40	Each
652.35	CONSTRUCTION SIGNS	18.540	m²
652.361	MAINTENANCE OF TRAFFIC CONTROL DEVICES [redacted]	1	LS
652.38	FLAGGER	150 [redacted]	Man Hour
656.50	BALED HAY, IN PLACE	12	Each
656.51	SANDBAG, IN PLACE	12	Each
656.632	750 mm TEMPORARY SILT FENCE	100	m
657.24	SEEDING PITS	1	Unit
659.10	MOBILIZATION	1	LS



Southeast Corner - Guardrail Layout

General Construction Notes

1. The clearing limits shown on the plans are approximate. The exact limits will be established in the field by the Engineer. Payment for clearing will be incidental to contract items.

2. Stationing and quantities of erosion control items are for estimating purposes only. Actual locations and quantities shall be determined in the field by the Engineer based on actual field conditions.

3. Two guardrail delineator posts shall be installed at each leading guardrail end and one at each trailing end for BCT's.

4. One guardrail delineator post shall be installed at each end of the BCT's.

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

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

7. During construction the road will be closed to traffic for a period specified in the Special Provisions.

8. Place a 450 mm wide strip of sod on the side slopes along the top of the riprap.

9. Place loam, 50 mm deep, on slopes between Station 1+070 and Station 1+138.

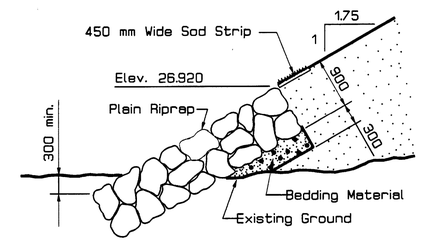
10. Do not excavate for Aggregate Subbase Course where existing material is suitable as determined by the Engineer. Payment for shaping and compacting of the existing subbase and layers of new subbase 150 mm or less thick, in areas where the Engineer directs the Contractor not to excavate to the subgrade line shown on the plans, will be made in accordance with Subsection 104.03, Extra Work.

11. Protective coating for concrete surfaces shall be applied to the following areas:
    - Top and face of concrete curbs.
    - All exposed surfaces of permanent concrete barriers.
    - All exposed surfaces of concrete headwall, arch and wingwall units.

12. Reset existing Curb Type 1 from Sta. 1+085± to 1+100± Lt.

Erosion Control Geotextile - Silt Fence

Sta. 1+070 to 1+110 Lt.
Sta. 1+090 to 1+138 Rt.



TYPICAL RIPRAP SECTION

All Bedding Material placed in the embankment slope under the riprap and within 300 mm of the back side of riprap areas shall meet the requirements of Subsection 703.19, Material for Underwater Backfill.

Sequence

1. Siltation fence shall be installed prior to comencing work
2. Work shall not be done during extended wet periods or during elevated water levels exceeding elevation 26.300.
3. Sand bags and temporary culverts shall be installed to prevent washout during footing construction.
4. Footings shall cure for 7 days before forms are stripped.
5. The entire foundation wall/footing assembly shall obtain a 28 day strength of no less than 20 MPa.
6. Precast Concrete Arch sections shall be placed after a 28 day strength is achieved.

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	S.R. LEBRUN	9-97
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

14FE898-0100.10

Bridge #5077

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

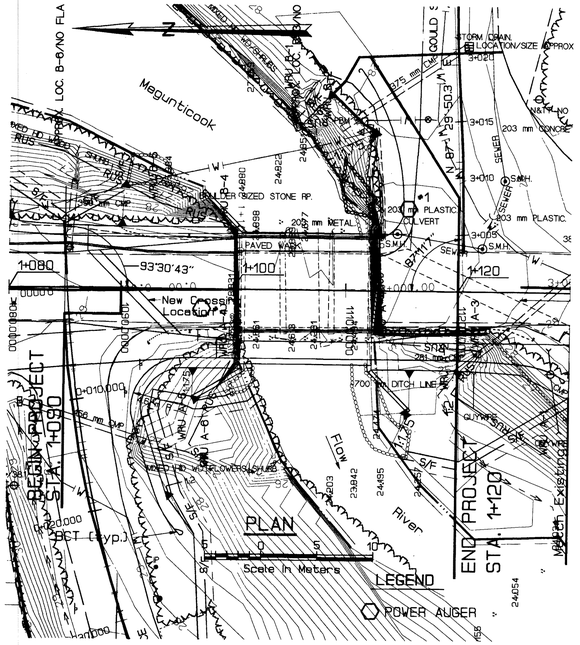
WOOLEN MILL BRIDGE
OVER
MEGUNTICOOK RIVER
IN THE TOWN OF
CAMDEN
KNOX COUNTY

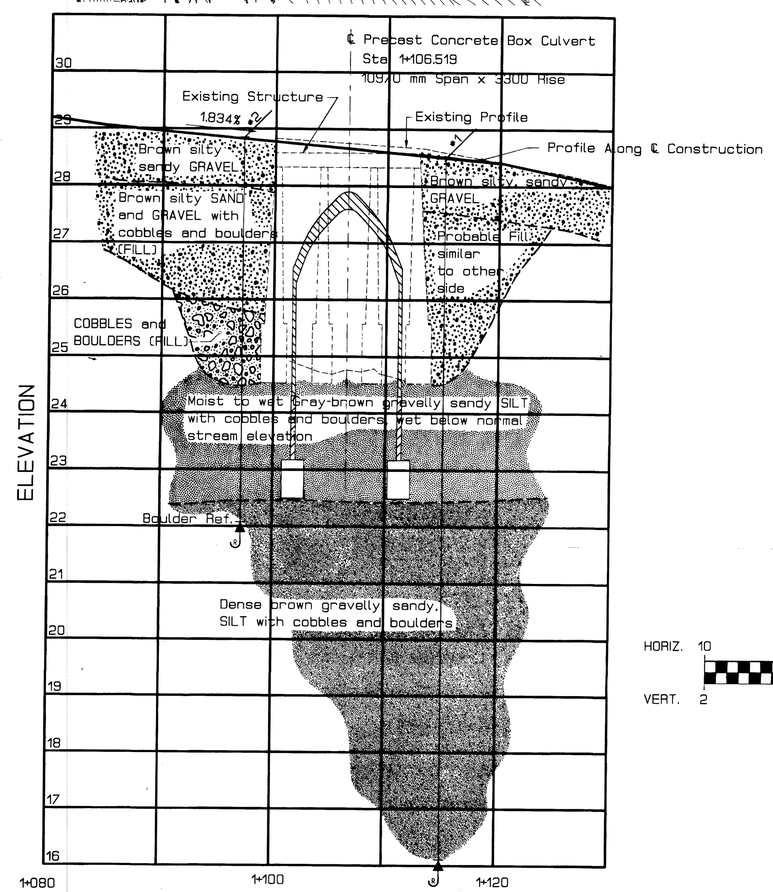
ESTIMATED QUANTITIES

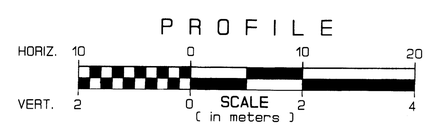
SHEET OF AUGUSTA, MAINE

Pin 006799.00

METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	FEDERAL REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BH-6799(00)X	3	16







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

PLANS

20NOV97-01.00.10

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WOOLEN MILLS BRIDGE
over
MEGUNTICOOK RIVER
in the town of
CAMDEN
KNOX COUNTY

FOUNDATION SURVEY

SHEET OF AUGUSTA, MAINE

Pin 006799.00

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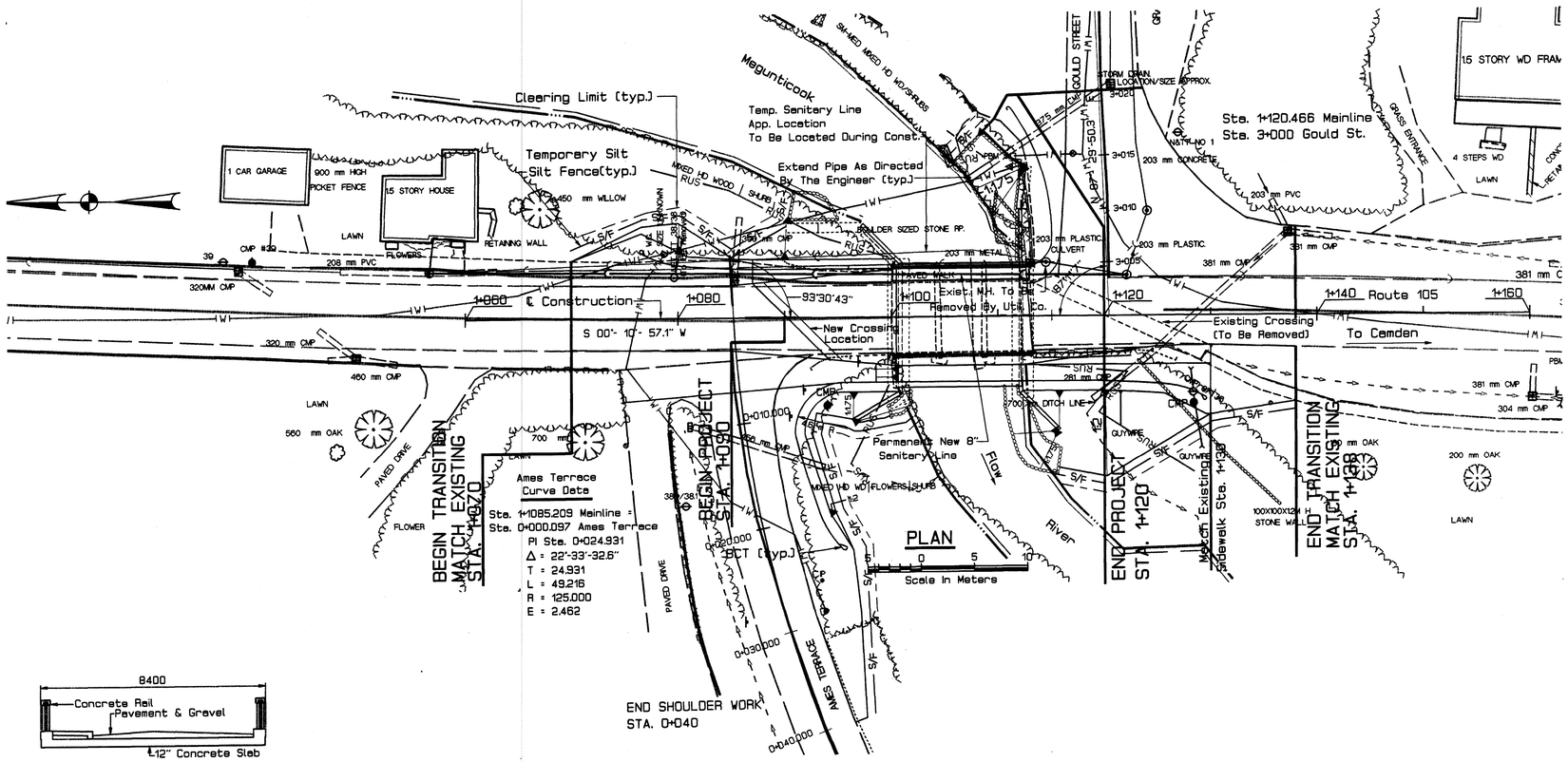
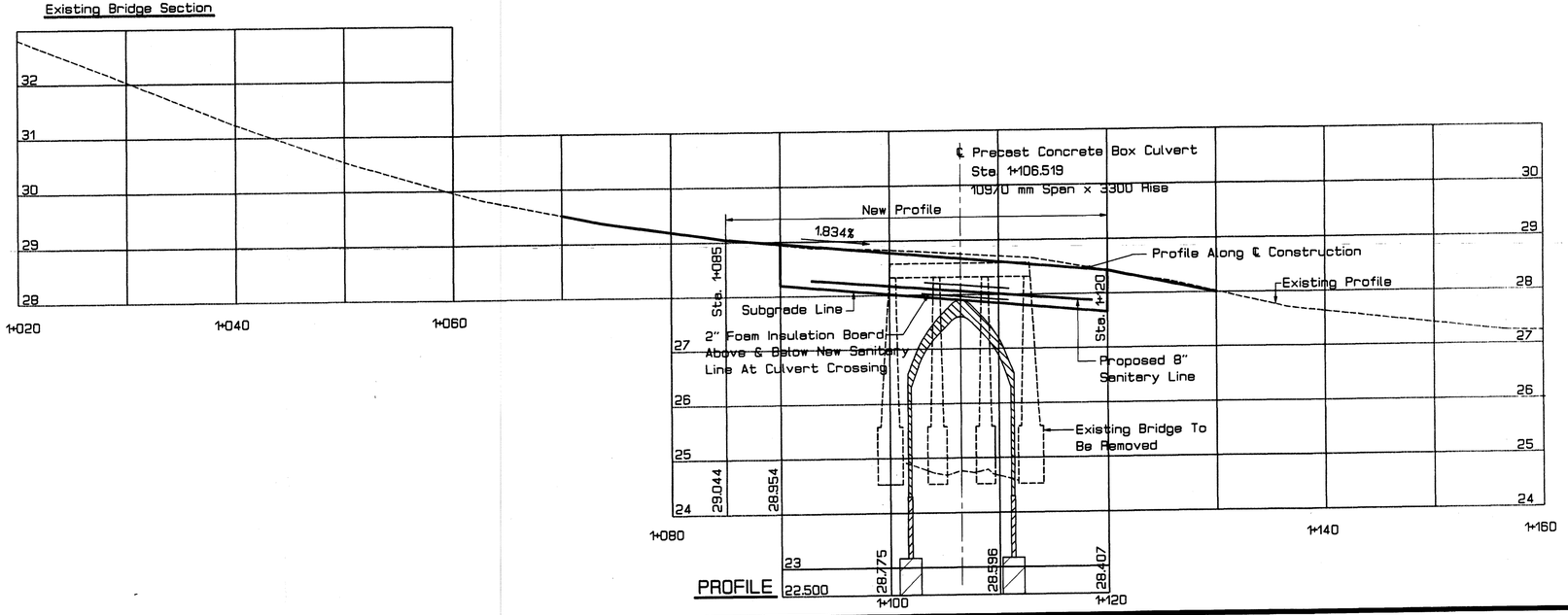
		1	MAINE	BH-6799(00)X	4	16



Existing Bridge Section



Scope Of Work

Remove existing bridge.
Install Precast Concrete Arch.
Pave approaches.
Install type 3 guardrail.

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	S.R. LEBRUN	12-96
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

14FEB98-0100.10

PLAN1

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WOOLEN MILL BRIDGE
OVER
MEGUNTICOOK RIVER
IN THE TOWN OF
CAMDEN
KNOX COUNTY
GENERAL PLAN

SHEET OF AUGUSTA, MAINE

Pin 006799.00

METRIC

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F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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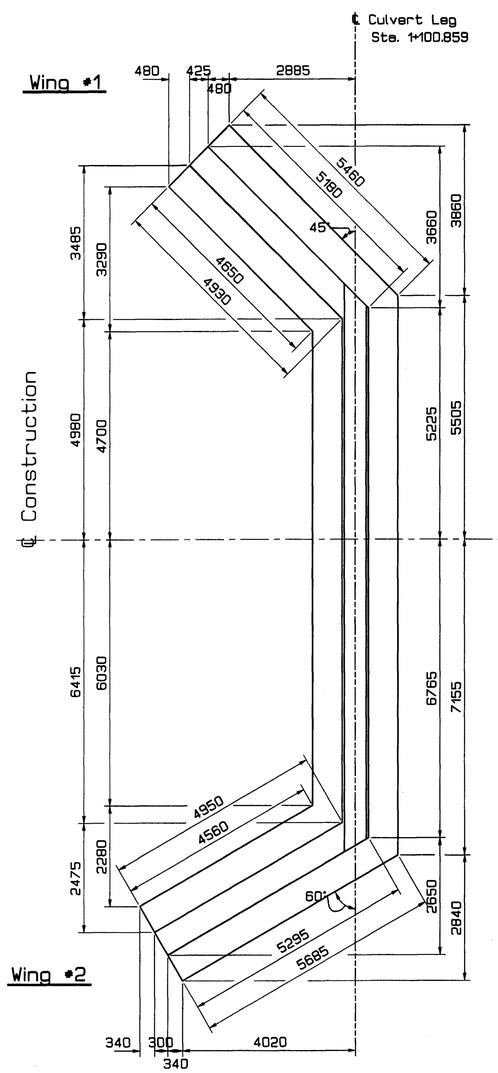
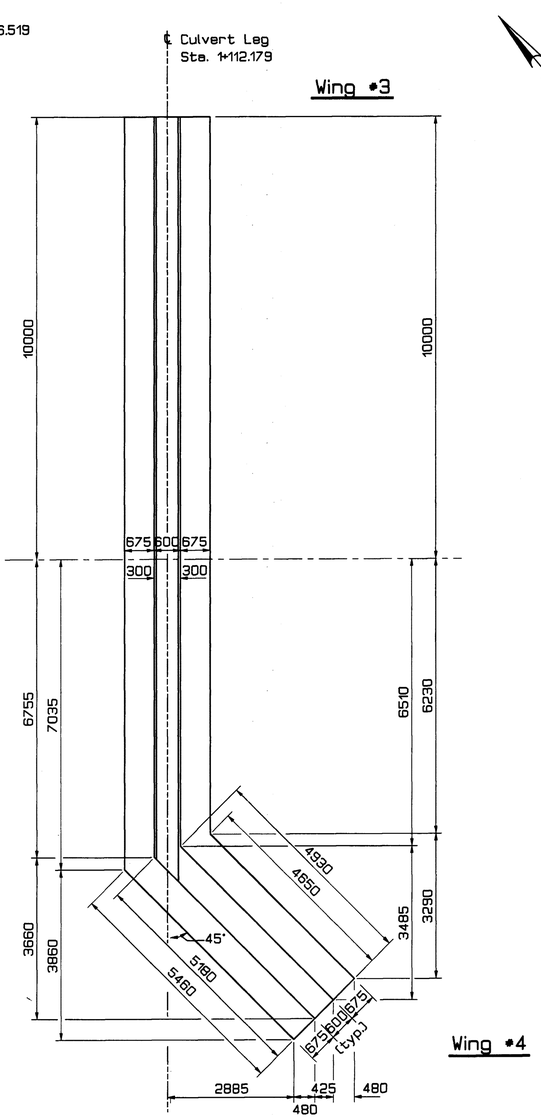
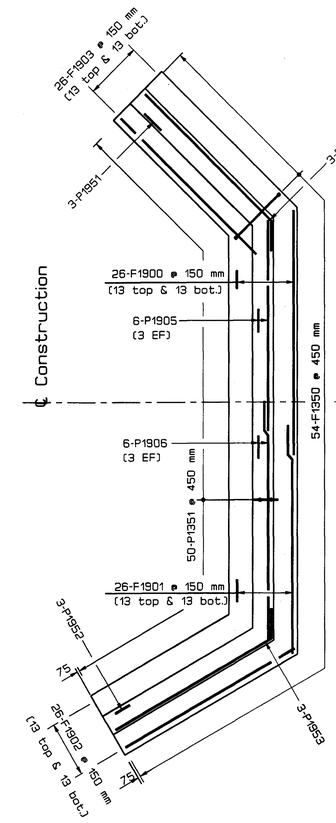
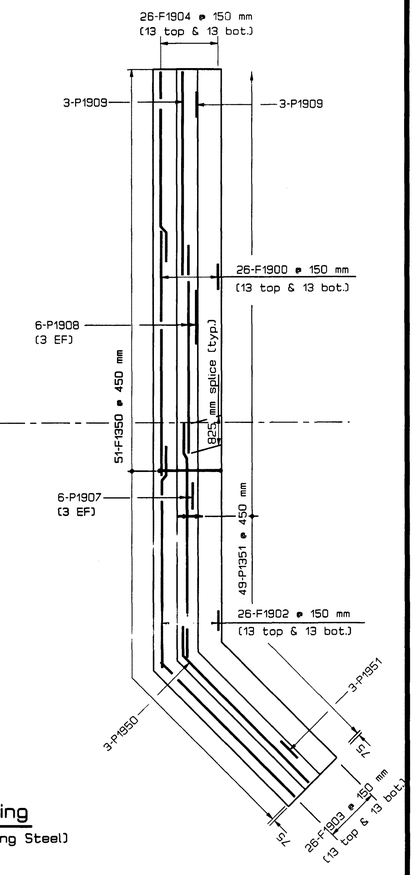




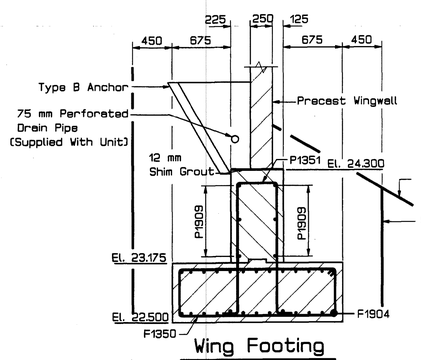
Footing
(Dimensions)



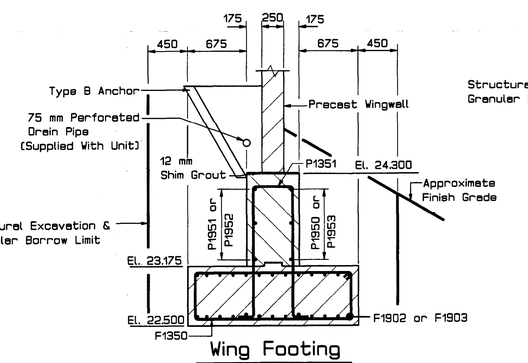


Footing
(Reinforcing Steel)

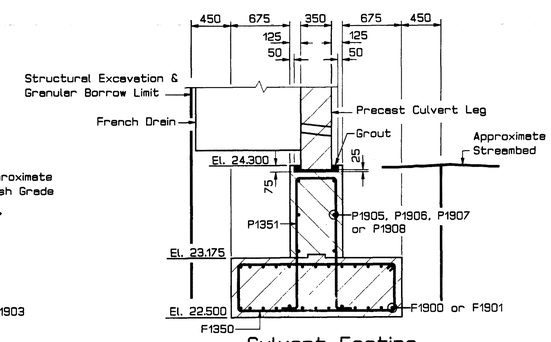
Note: Footing Concrete Shall Have 75 mm Clearance



Wing Footing
(Wings #3)



Wing Footing
(Wings #1,#2,#4)



Culvert Footing

Bridge #5077

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WOOLEN MILL BRIDGE
OVER
MEGUNTICOOK RIVER
IN THE TOWN OF
CAMDEN
KNOX COUNTY

FOOTINGS

SHEET OF AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	S.R. LEBRUN	12-96
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REVISIONS		
FIELD CHANGES		

PLANS

FOOTING
14FEB98-0100.10

METRIC

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F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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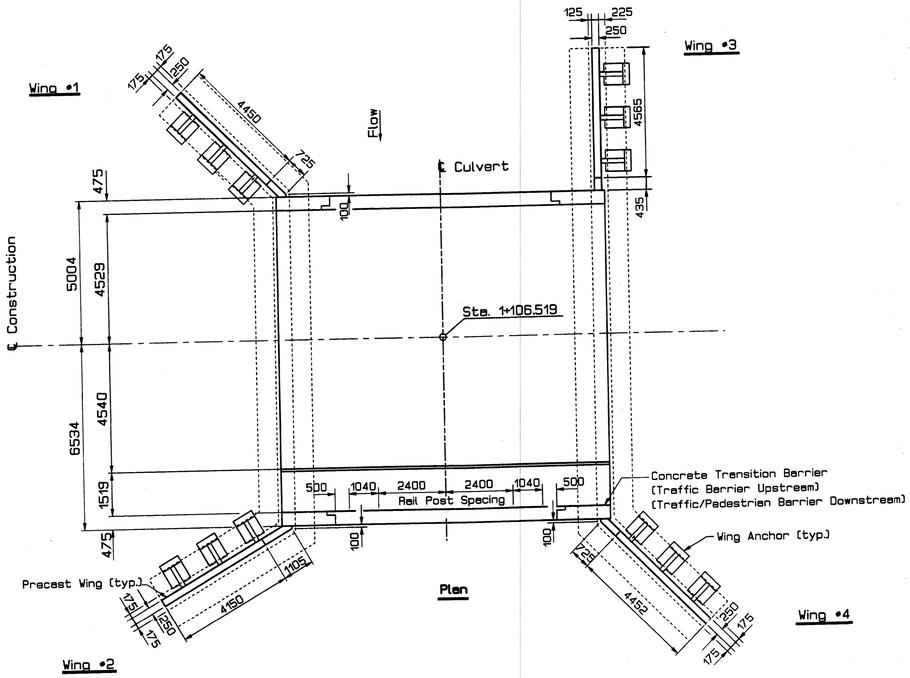
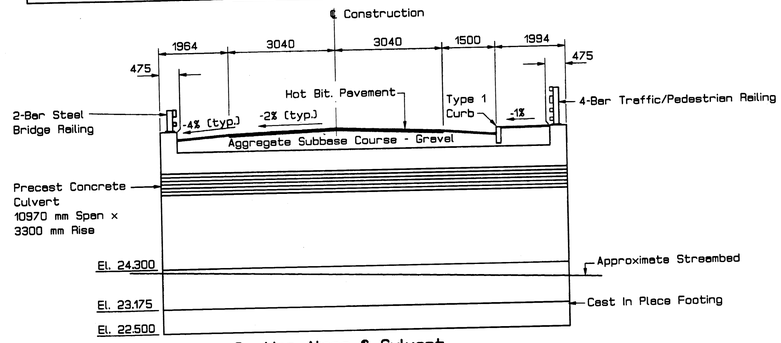
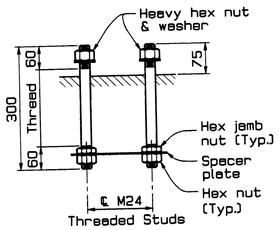


Plan

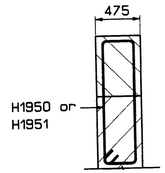


Section Along ℄ Culvert

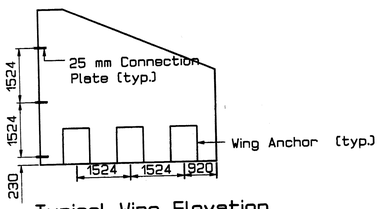


Rail Post Anchorage Elevation

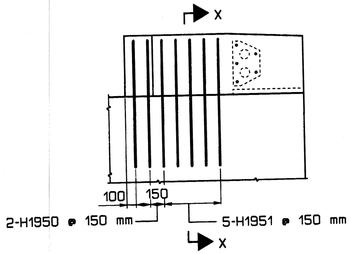
(40 Studs Needed)



Section X-X

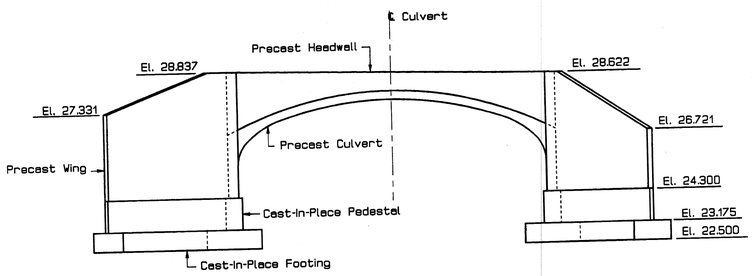


Typical Wing Elevation

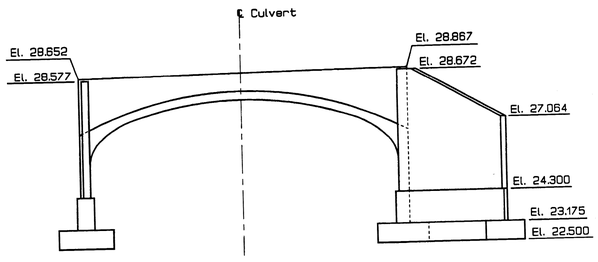


Transition Barrier Elevation

Traffic Barrier Shown
Traffic/Pedestrian Barrier Similar
For Details Not Shown See Standard Detail Book, Section 526



Downstream Elevation



Upstream Elevation

Precast Concrete Notes

1. Precast Arch Units must be designed to carry highway loading with minimum road buildup of 300 mm.

2. Headwall units must be capable of resisting a 44.5 kN load applied perpendicular to the top of the wall and spread over a longitudinal length of 1500 mm.

3. Wingwall units and the vertical legs of each arch unit must resist soil pressure associated with backfill operations.
   - Backfill will be clean granular material in accordance with MDOT 703.19 to the limits shown on the plans. Unit wt. of soil = 1922 Kg/m³.
   - Earth Pressure - design structures to resist maximum equivalent fluid pressure of 640 Kg/m³.
   - Arch unit and wing wall design must incorporate a 600 mm soil surcharge to account for construction loading.

4. All joints between precast concrete members shall be sealed with an approved jointing tape to prevent egress of water. In addition, membrane waterproofing shall extend from top of arch units down vertical legs of arch units to a line 300 mm below the joint with cast-in-place concrete.

5. All joints between precast concrete members and cast-in-place units shall be packed with an approved non-shrink grout and sealed on the embankment side with an approved joint tape.

6. Shop drawings of precast concrete unit construction and erection are required for review prior to fabrication.

7. Precast concrete design mix shall be submitted for review. This shall comply with MDOT Class P concrete as described in Standard Specification Section 535. A calcium nitrate corrosion inhibitor (32% - 36% solids) shall be included at a rate of 12 L/m³.

8. Precast concrete unit fabrication, erection, connection, waterproofing and grouting shall be paid for under Item 502.82 unless otherwise noted.

9. The precast concrete culvert shall be a Con Span Bridge System Design as manufactured by Concrete Systems, Inc. of Hudson, New Hampshire or approved equal.

10. For the reinforcing steel and anchorage layout for bridge rail needed in the headwall see the Standard Detail Book, Section 507.

11. Precast units shall be constructed and installed in accordance with manufacturer specifications.

Bridge #5077

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WOOLEN MILL BRIDGE
OVER
MEGUNTICOOK RIVER
IN THE TOWN OF
CAMDEN
KNOX COUNTY

PRECAST CONCRETE BOX CULVERT

SHEET OF AUGUSTA, MAINE

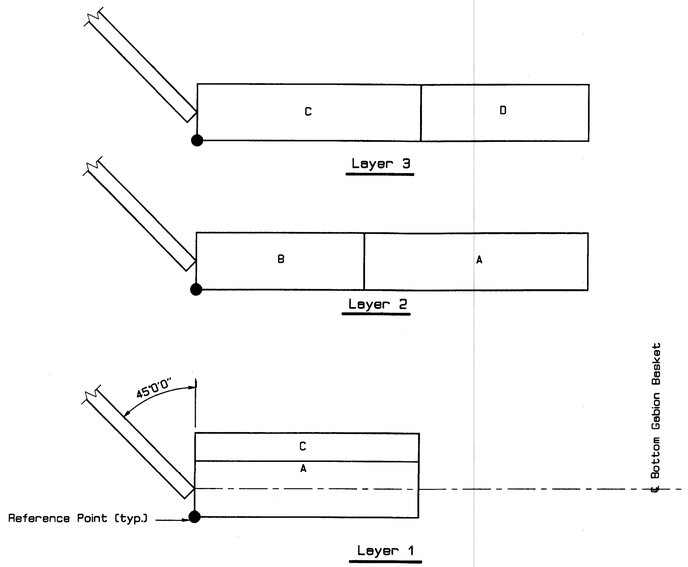
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	S.R. LEBRUN	9-97
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

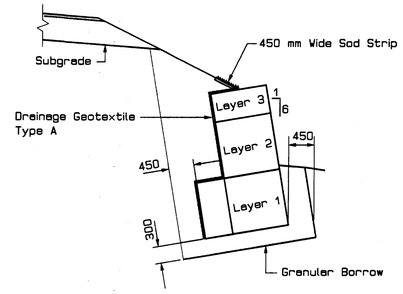
CULVERT
14FEB98-0100.10

Pin 006799.00

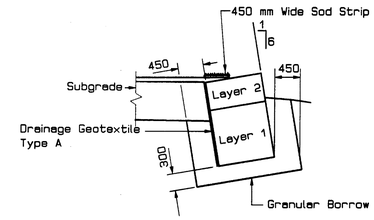
METRIC	1. All dimensions are in millimeters unless otherwise noted. 2. All elevations and stations are in meters.	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		1	MAINE	BH-6799(00)X	7	16



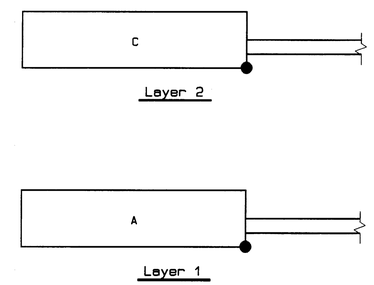
Wing #1 Gabion Wall - Plan



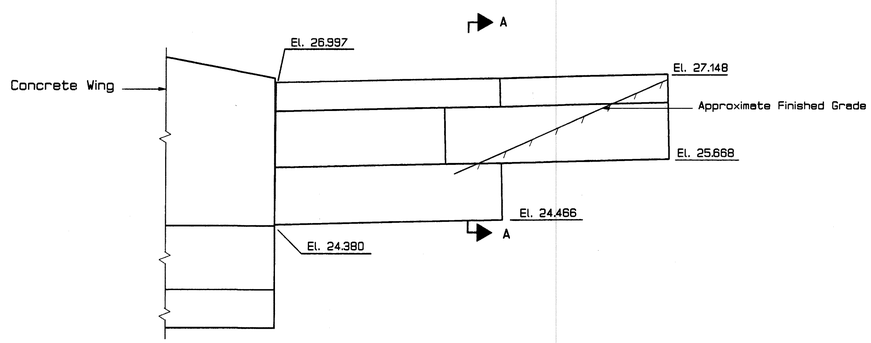
Section A-A



Section B-B



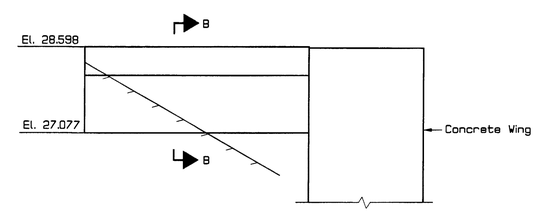
Wing #3 Gabion Wall - Plan



Wing #1 Gabion Wall - Elevation

GABION BASKET SIZES

Type	~ Length x Depth x Height
A	~ 4 m x 1 m x 1 m
B	~ 3 m x 1 m x 1 m
C	~ 4 m x .5 m x 1 m
D	~ 3 m x 1 m x .5 m



Wing #3 Gabion Wall - Elevation

GABION NOTES

1 ~ Align each layer at reference point.

2 ~ Stagger the joints between the gabion baskets as shown.

3 ~ The geotextile used behind and on top of the gabion baskets shall be considered incidental for payment under Item 601.22 Gabions, PVC Coated. The geotextile shall not be placed under the gabion baskets.

4 ~ The gabion baskets placed adjacent to the concrete wingwalls shall be cut to fit as directed by the Engineer in the field.

5 ~ Pay limits for the gabions shall be to the neat lines of the gabion retaining wall, measured in place.

6 ~ Adjust side slopes to match top of gabions.

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	S.R. LEBRUN	9-97
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

GABIONS
14FEB98-01:00:10

Bridge #5077

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WOOLEN MILL BRIDGE
OVER
MEGUNTICOOK RIVER
IN THE TOWN OF
CAMDEN
KNOX COUNTY

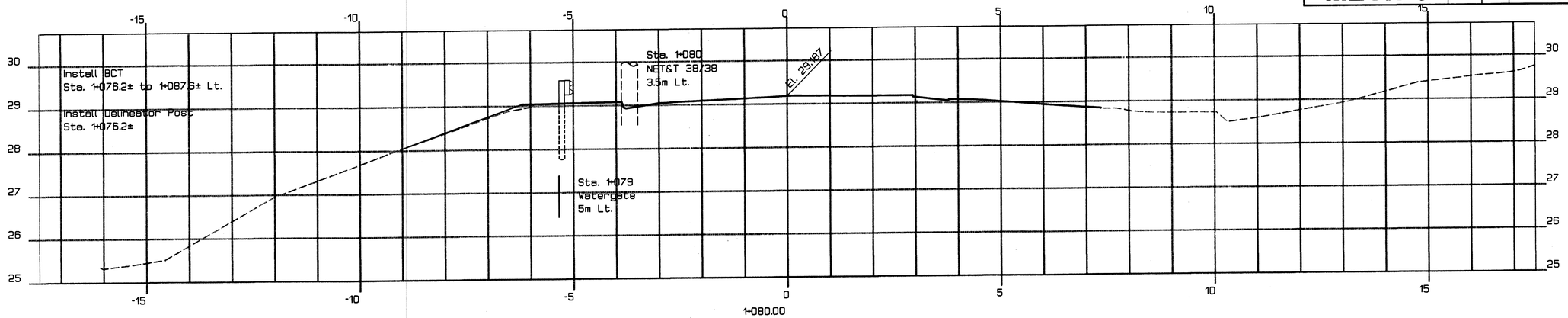
GABION DETAILS

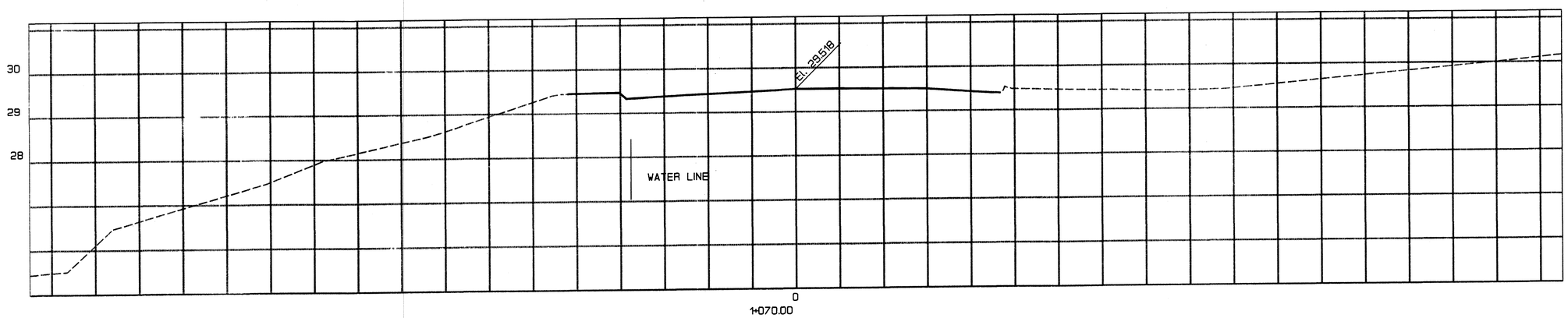
SHEET OF AUGUSTA, MAINE

PIN 006799.00

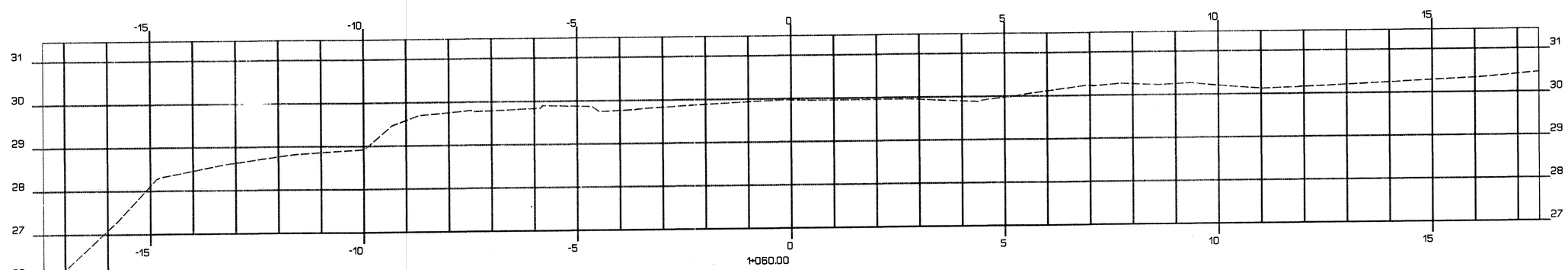
METRIC

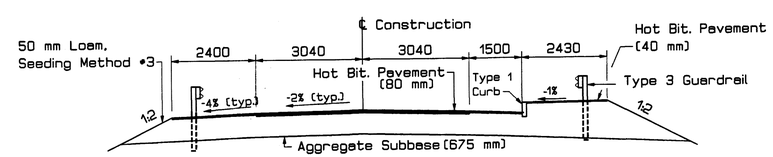
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BH-6799(00)X	8	16





Match Existing
Begin Transition
Sta. 1+070





Typical Approach Section

FINAL SURVEY		BY	DATE
NO.	NOTE BOOK	SURVEYED	
		PLOTTED	
		TEMPLATE	
		AREAS	
		AREAS CHECKED	

ORIGINAL SURVEY		BY	DATE
NO.	NOTE BOOK	SURVEYED	
		PLOTTED	
		TEMPLATE	SR Lebrun
		AREAS	8-97
		AREAS CHECKED	

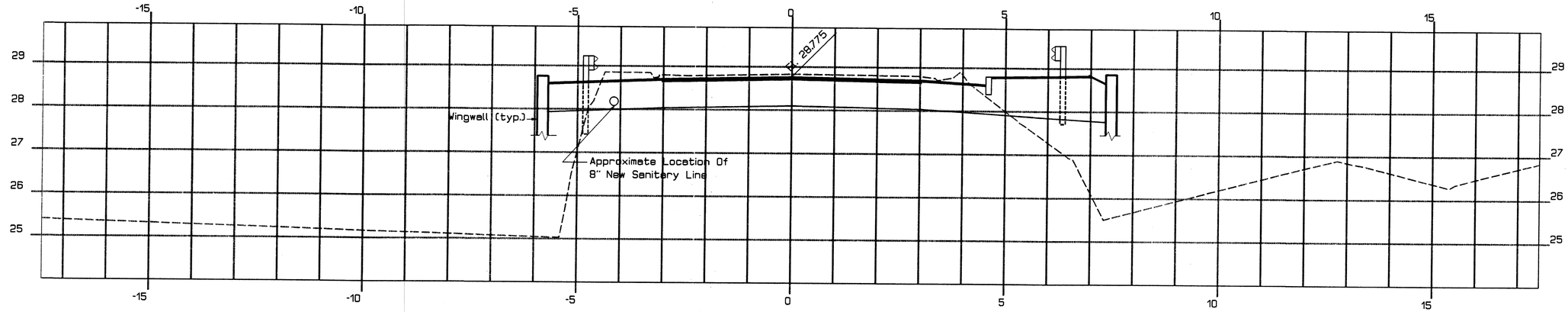
XSECT1
14FEB98-010020

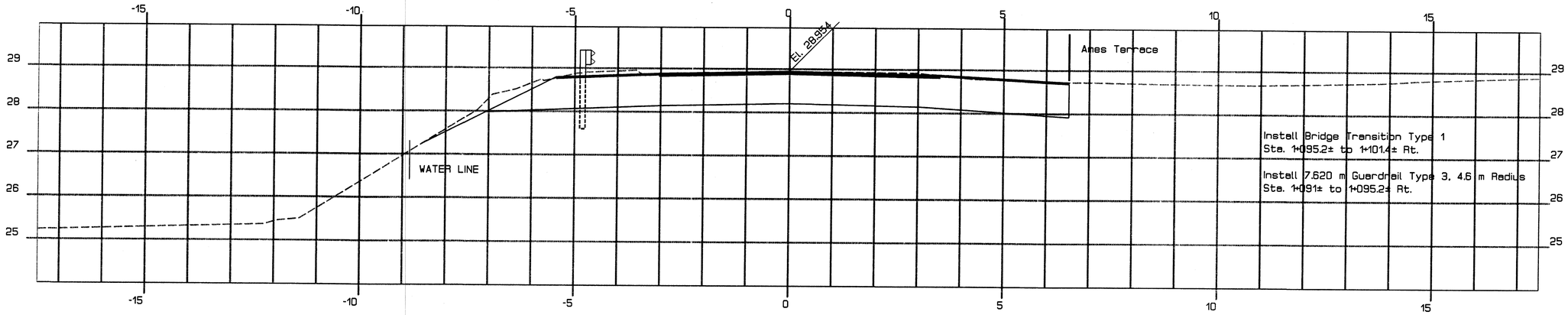
CAMDEN PIN 6799.00 HORIZ. 1:5 VERT. 1:5

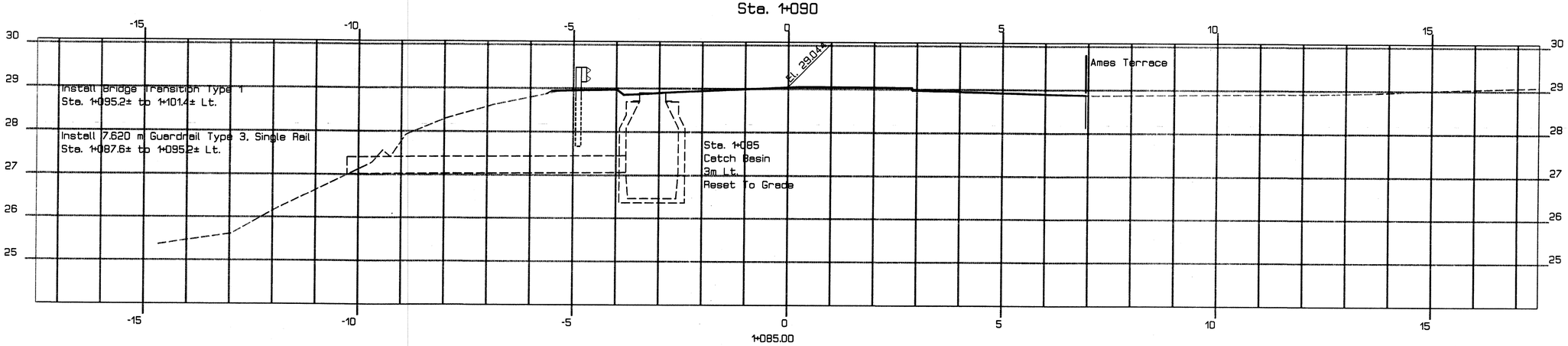
Camden Mainline Sta. 1+060 - 1+080

PIN 006799.00

METRIC	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	1	MAINE	BH-6799(00)X	9	16







FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED	SR Leblanc	8-97
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

XSECT2
14FEB98-01.00.20

CAMDEN PIN 6799.00 HORIZ. 1:5 VERT. 1:5

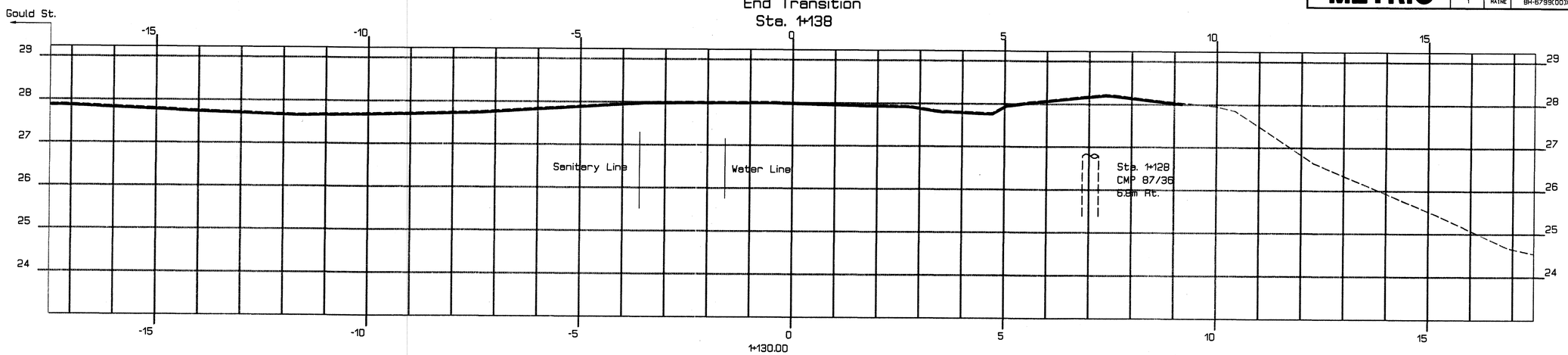
Camden Mainline Sta. 1+085 - 1+100

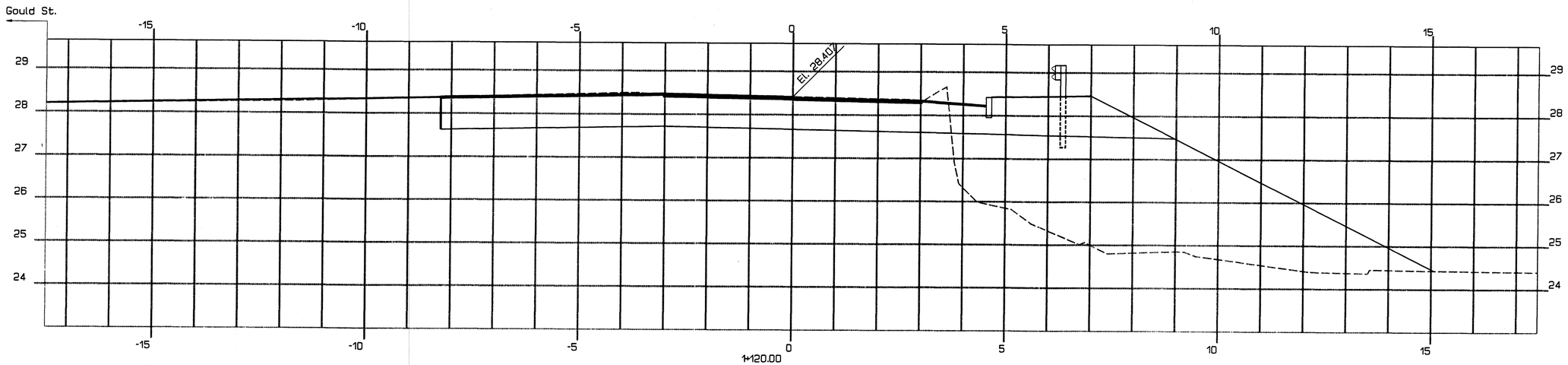
PIN 006799.00

METRIC

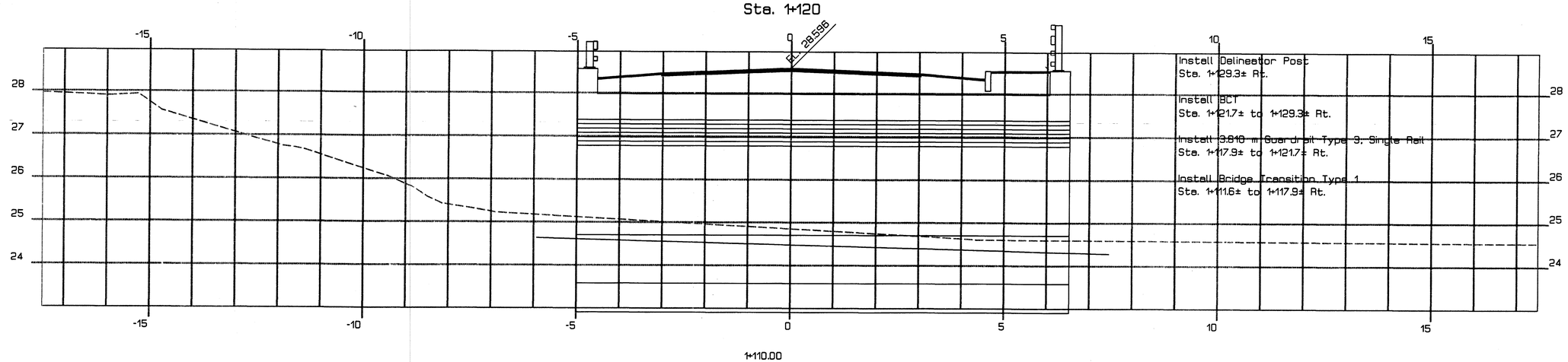
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BH-6799(00)X	10	16

Match Existing End Transition Sta. 1+138





End Project Sta. 1+120



FINAL SURVEY			
NOTE BOOK	SURVEYED		DATE
	PLOTTED		BY
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY			
NOTE BOOK	SURVEYED		DATE
	PLOTTED	SR Lebrun	BY
	TEMPLATE	8-97	
	AREAS		
NO.	AREAS CHECKED		

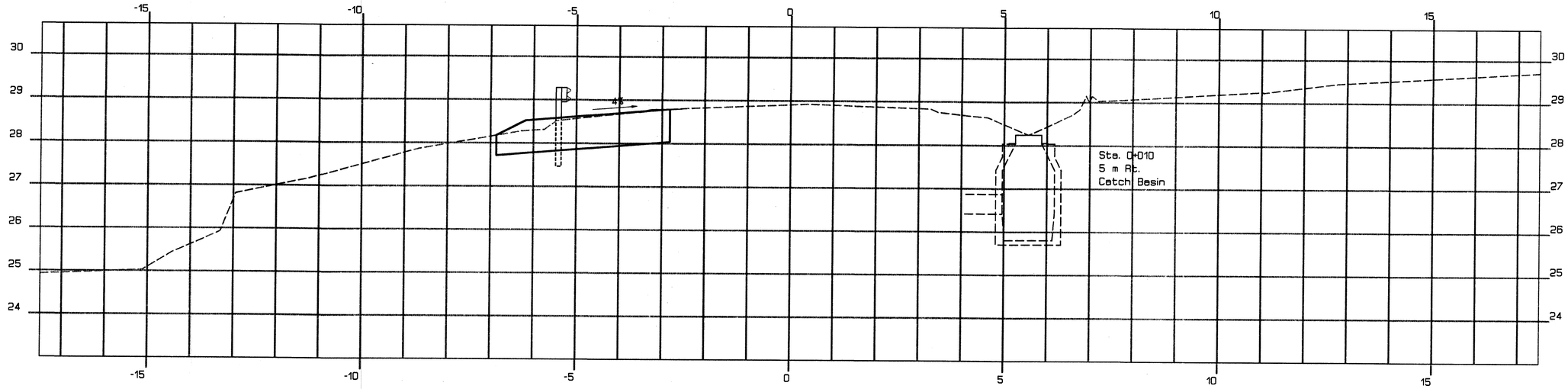
XSECT3
14FEB98 0100.20

CAMDEN PIN 6799.00 HORIZ. 1:5 VERT. 1:5

Camden Mainline Sta. 1+110 - 1+130

PIN 006799.00

METRIC	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	1	MAINE	BH-6799(00)X	11	16



0+010.000

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

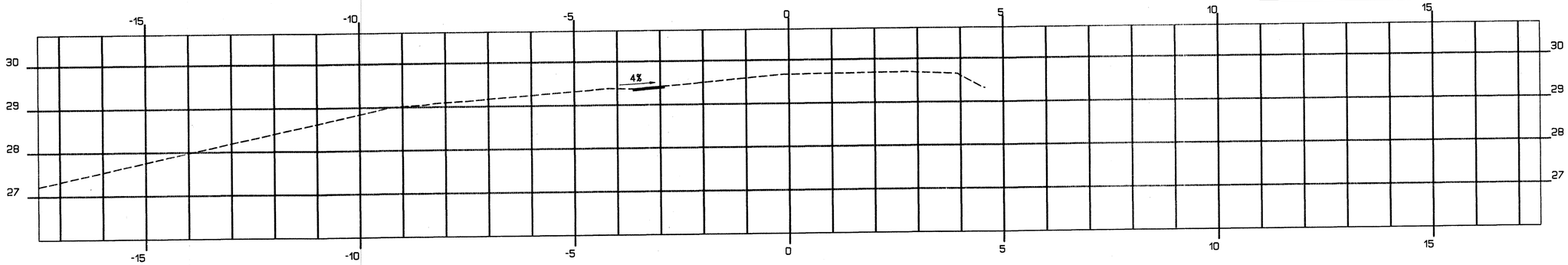
ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TEMPLATE	SR Lebrun 8-97
	AREAS	
	AREAS CHECKED	

XSECT6
14FEB99-01:00:20

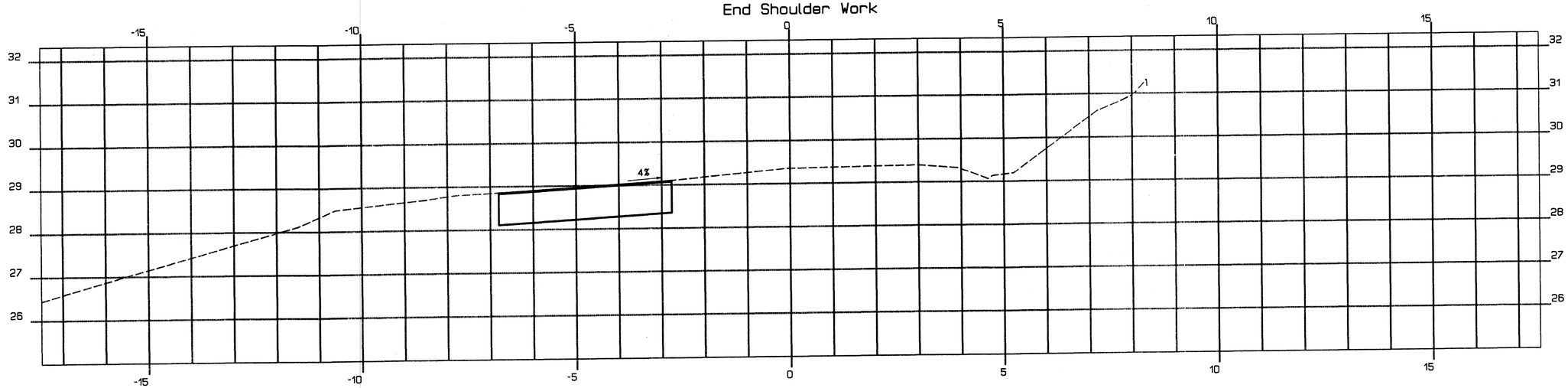
0+000 Ames Terrace = 1+085.209 Mainline

PIN 006799.00

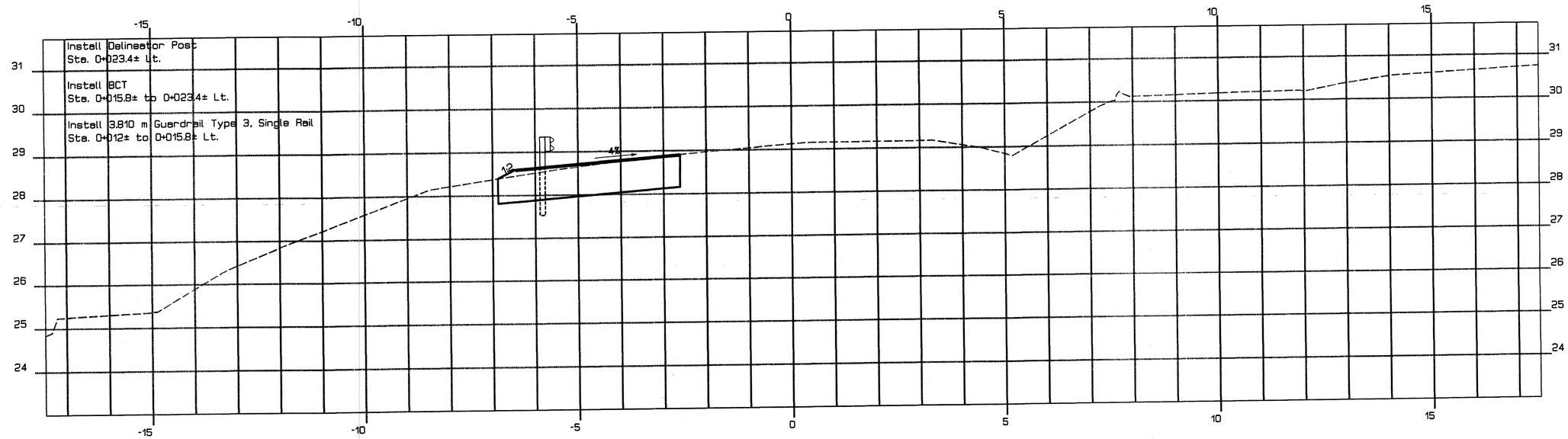
METRIC	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	1	MAINE	BH-6799(00)X	12	16



0+040.000
End Shoulder Work



0+030.000



0+020.000

FINAL SURVEY	DATE	BY
NOTE BOOK	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	

ORIGINAL SURVEY	DATE	BY
NOTE BOOK	SURVEYED	
	PLOTTED	SR Lebrun
	TEMPLATE	8-97
	AREAS	
	AREAS CHECKED	

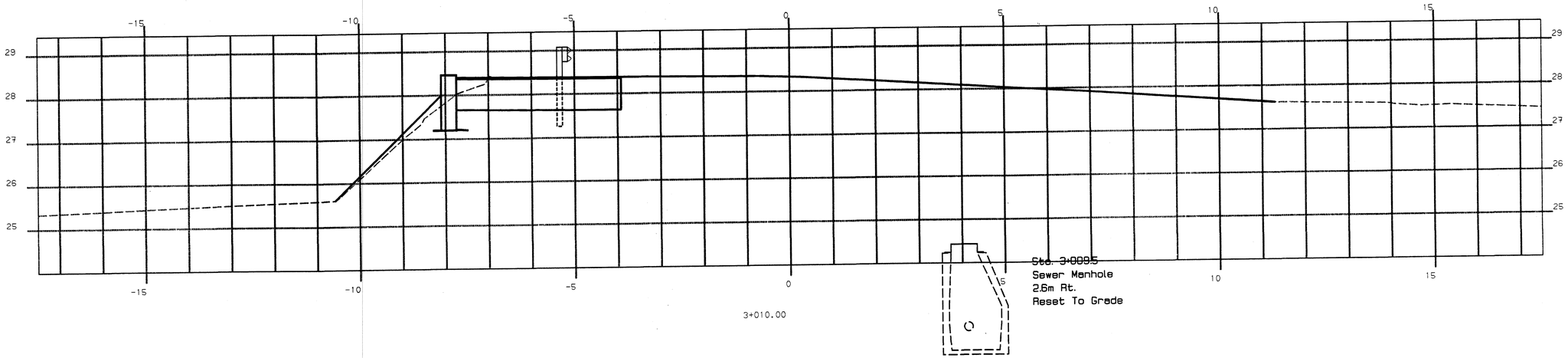
XSECT7
14FEB98-010020

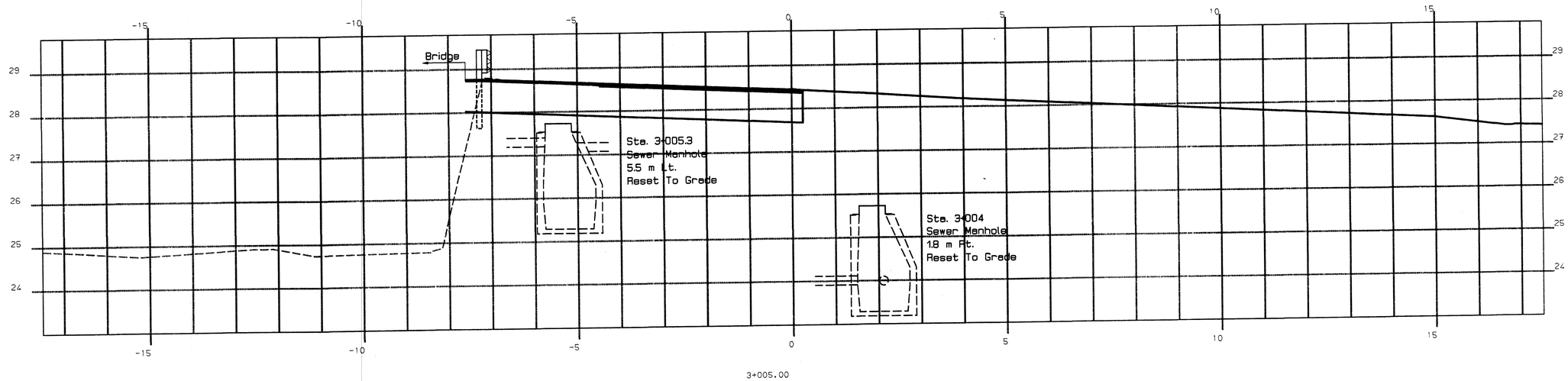
CAMDEN PIN 6799.00 HORIZ. 1:5 VERT. 1:5

Camden Ames Terrace Sta. 20+000 - 40+000

PIN 006799.00

METRIC	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	1	MAINE	BH-6799(00)X	13	16





Install 1.905 m. Thrie Beam Transition Section, 20 m Radius
Sta. 3+007± to 3+008± Lt.

Install 3.810 m. Thrie Beam Section, 3 m Radius
Sta. 3+005± to 3+007± Lt.

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE	SR LeBrun	8-97
	AREAS		
NO.	AREAS CHECKED		

XSECT9
14FEB98-01:00:20

3+000 Gould Street = 1+120.466 Mainline

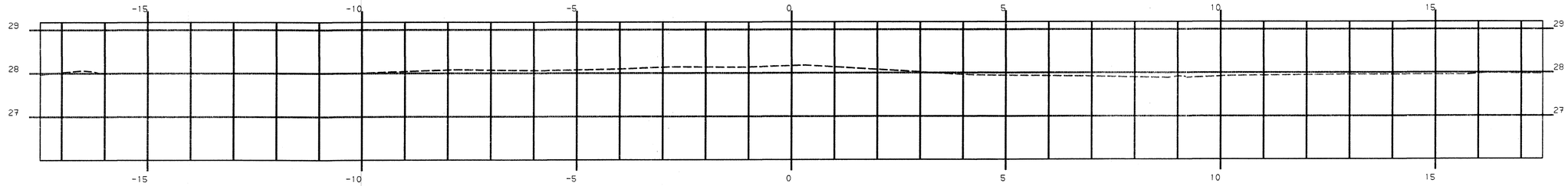
CAMDEN PIN 6799.00 HORIZ. 1:5 VERT. 1:5

Camden Gould Street Sta. 3+000 - 3+010

PIN 006799.00

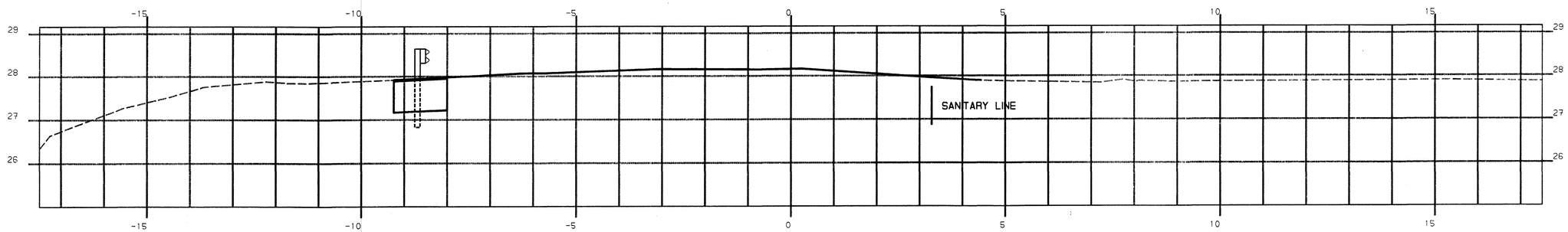
METRIC	F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
	1	MAINE	BH-6799(00)X	14	16

FINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



3+025.00

Match Existing
Sta. 3+021



Install Delineator Post
Sta. 3+019± Lt.

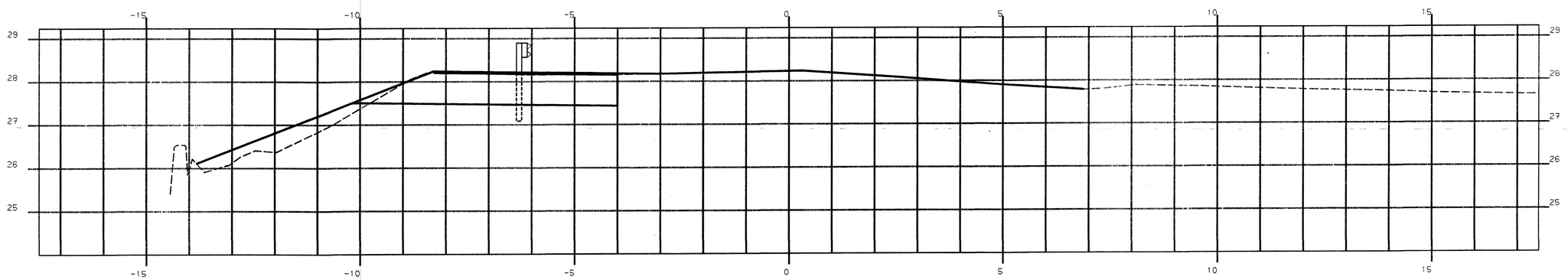
Install Terminal End
Sta. 3+019± Lt.

Install 11.430 m Guardrail Type 3, 20 m R,
Sta. 3+008± to 3+019± Lt.

3+020.00

Sta. 3+015.3
Watergate
2.6m Lt.

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	SR LEBRUN	8-97
	PLOTTED		
	TEMPLATE		
	AREAS		
NO.	AREAS CHECKED		



3+015.00

XSECT10
14FEB98 01:00:20

CAMDEN PIN 6799.00 HORIZ. 1:5 VERT. 1:5

Camden Gould Street Sta. 3+015 - 3+025

Pin 006799.00

REINFORCING STEEL SCHEDULE

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-6799(00)X	15	16

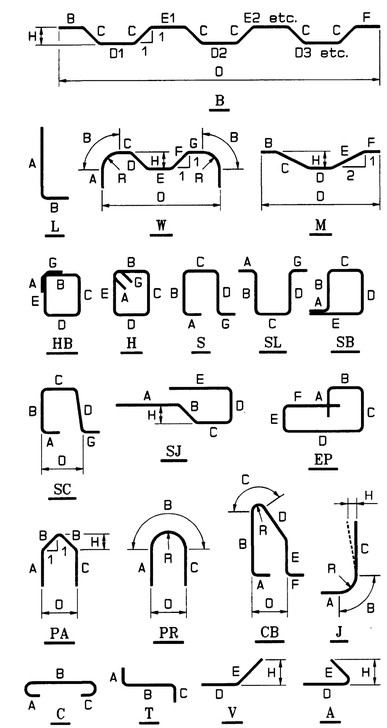
STRAIGHT BARS

MARK	QTY.	LENGTH	LOCATION	MARK	QTY.	LENGTH	LOCATION
FOOTING							
F1900	52	7030	Footing				
F1901	26	6600					
F1902	52	5610					
F1903	52	5390					
F1904	26	5870					
F1905	6	5940	Pedestal				
F1906		6770					
F1907		6665					
F1908		5840					
F1909		5760					

BENT BARS

MARK	QTY.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION
FOOTING														
F1350	105	4802	H	76	1800	525	1800	525		76				Footing
P1351	99	3940	SL	170	1575	450	1575			170				Pedestal
P1950	6	5925	V				5100	825			585			Pedestal
P1951	6	5685					4860				585			
P1952	3	5705					4880				715			
P1953	3	6050					5225				715			
HEADWALL														
H1950	8	3590	H	200	245	1350	245	1350		200				Headwall/Barrier
H1951	20	3850	H	200	375	1350	375	1350		200				Headwall/Barrier

TYPE - BENDING DIAGRAMS



All dimensions are out - to - out of bar.

Bending details and hooks shall conform to the recommendations of the current revision of ACI Standard 318.

Reinforcing Bar: ASTM A615/A615M, Grade 420

GENERAL NOTES

1. The first two digits following the letter(s) of the mark indicate the size of the bar:

   Mark "A1602" = bar size #16
   Mark "P2501" = bar size #25
   Mark "S1950" = bar size #19

2. Each crank bar, Type B, may be replaced by two (2) straight bars (one top and one bottom) of the same bar size as the crank bar. Payment in either case shall be based on crank bars as scheduled on plans.

Bridge #5077

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

WOOLEN MILL BRIDGE
OVER
MEGUNTICOOK RIVER
IN THE TOWN OF
CAMDEN
KNOX COUNTY

REINFORCING STEEL SCHEDULE

SHEET OF AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN-DETAILED	S.R. LEGRIN	9-97
CHECKED		
REVISIONS		
FIELD CHANGES		

PLANS

REBAR01
14FEB98-0100:10

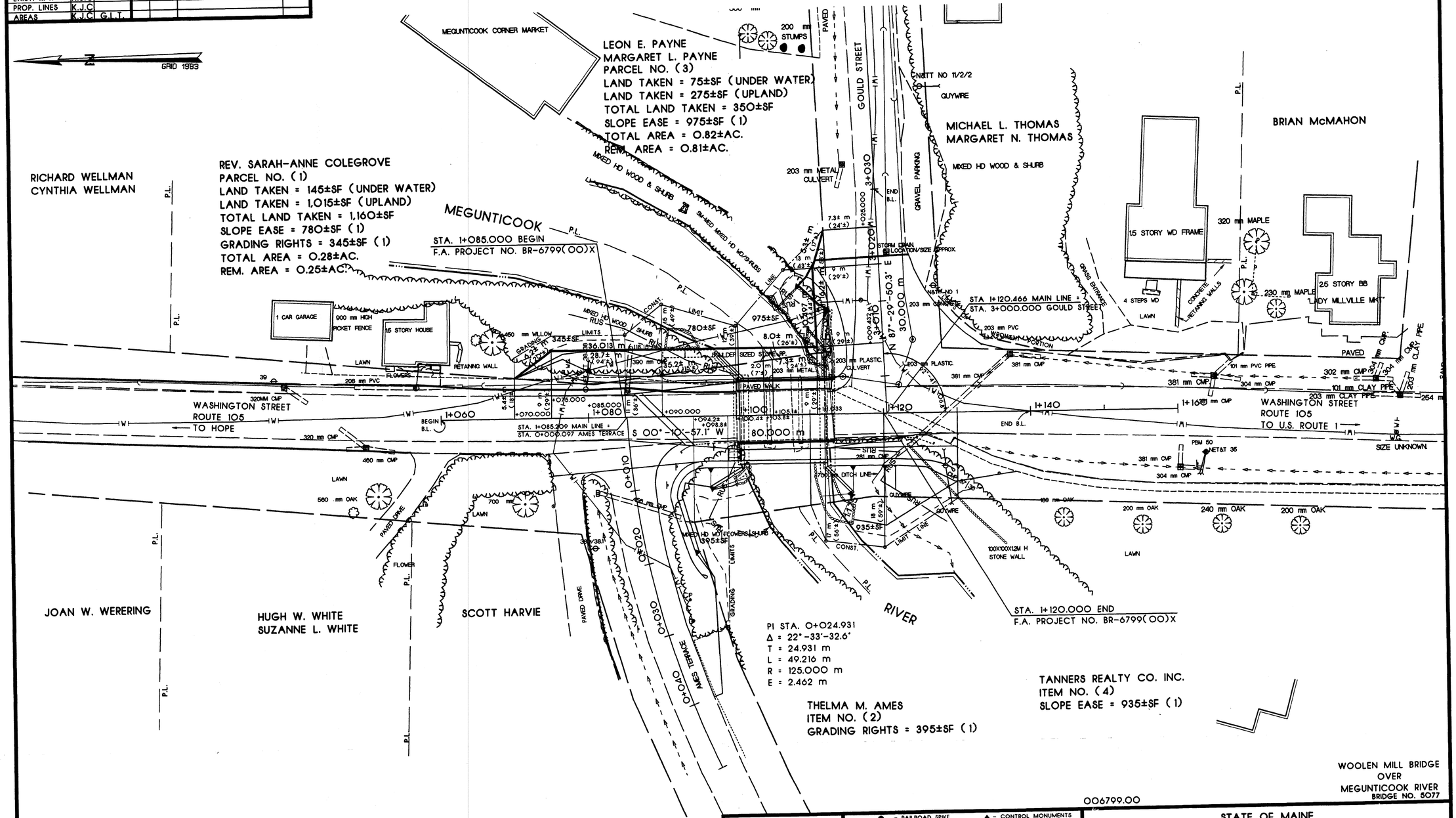
Pin 006799.00

METRIC

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	BH-6799(00)X	16	16

ITEM	TECH	CHECKED
BASE MAP	K.J.C	
EXIST. R/W	K.J.C	
PROP. LINES	K.J.C	
AREAS	K.J.C	G.L.T.

REVISIONS			
NO.	DATE	DESCRIPTION	BY



RIGHT-OF-WAY REFERENCES
ROUTE 105
KNOX COUNTY RECORDS
VOL. 8, PAGE 174
1896, 4 RODS WIDE
CAMDEN TOWN RECORDS
AMES TERRANCE
3 RODS WIDE
GOULD STREET
3 RODS WIDE
SAND STREET
2 RODS WIDE
NOTE: PRESCRIPTIVE EASEMENT FOR HIGHWAY PURPOSES WITHIN LIMITS OF WROUGHT PORTION.

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

SYMBOLS

- IP (IRON PIPE or PIN)
- S.T. (SEPTIC TANK)
- W — WATER LINE
- G — GAS LINE
- E — ELECTRIC LINE
- T — 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

● - RAILROAD SPIKE ▲ - CONTROL MONUMENTS

MAINE DEPARTMENT OF TRANSPORTATION - CENTERLINE CONTROL

MAINE STATE COORDINATE SYSTEM - ZONE

CENTERLINE CONTROL MONUMENTS			TRAVERSE CONTROL POINTS		
STATION	NORTH	EAST	NUMBER	NORTH	EAST

006799.00

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

STATE AID HIGHWAY NO. 1
CAMDEN KNOX COUNTY
FEDERAL AID PROJECT NO. BR-6799(00)X

DATE: DECEMBER 1997

SCALE: 1 = 250

SHEET NO. 1 OF 1 SHEET

D.O.T. FILE NO. 7-122

JOHN G. MELROSE
COMMISSIONER

JOHN E. DORITY
CHIEF ENGINEER

DEC 3 '97