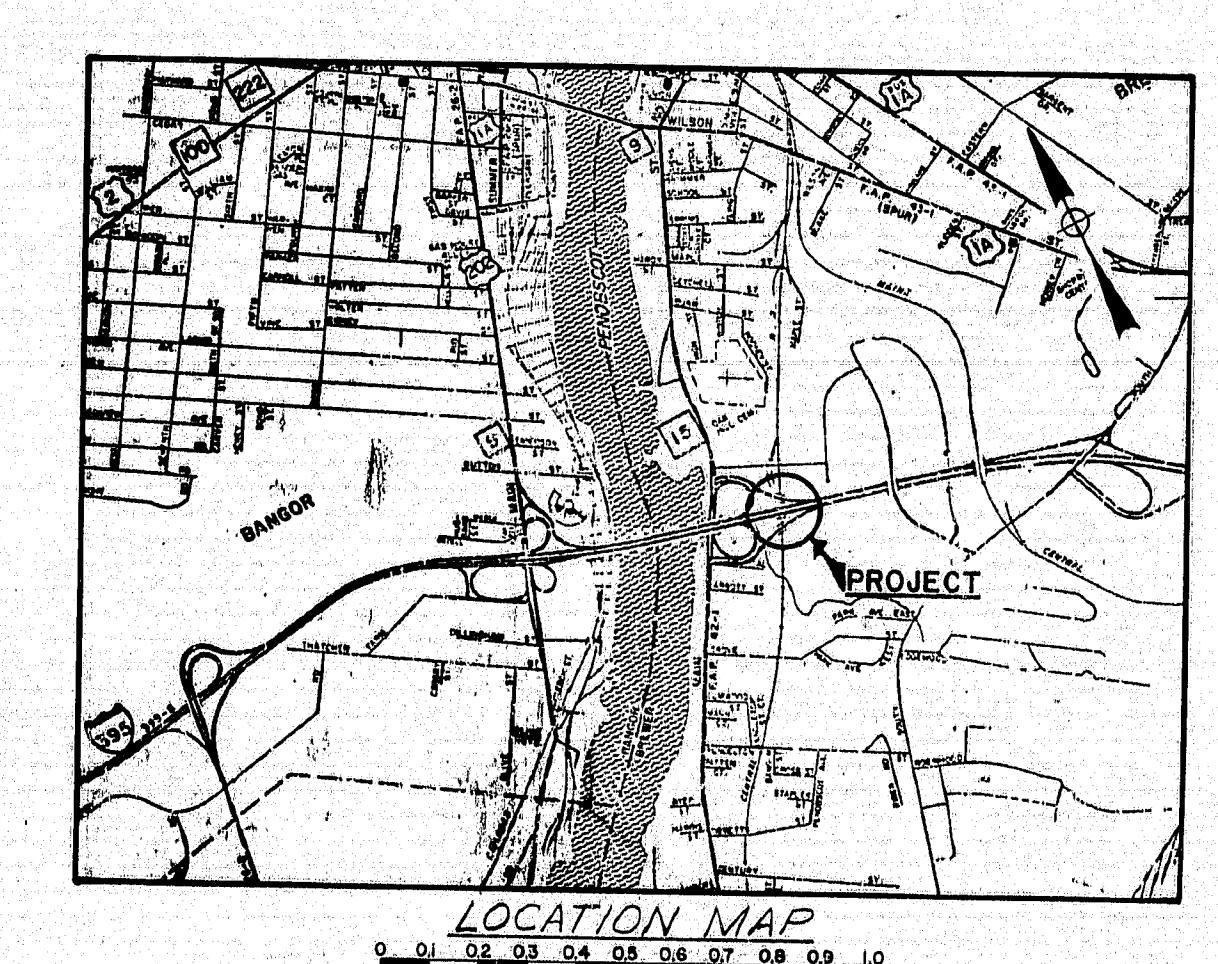
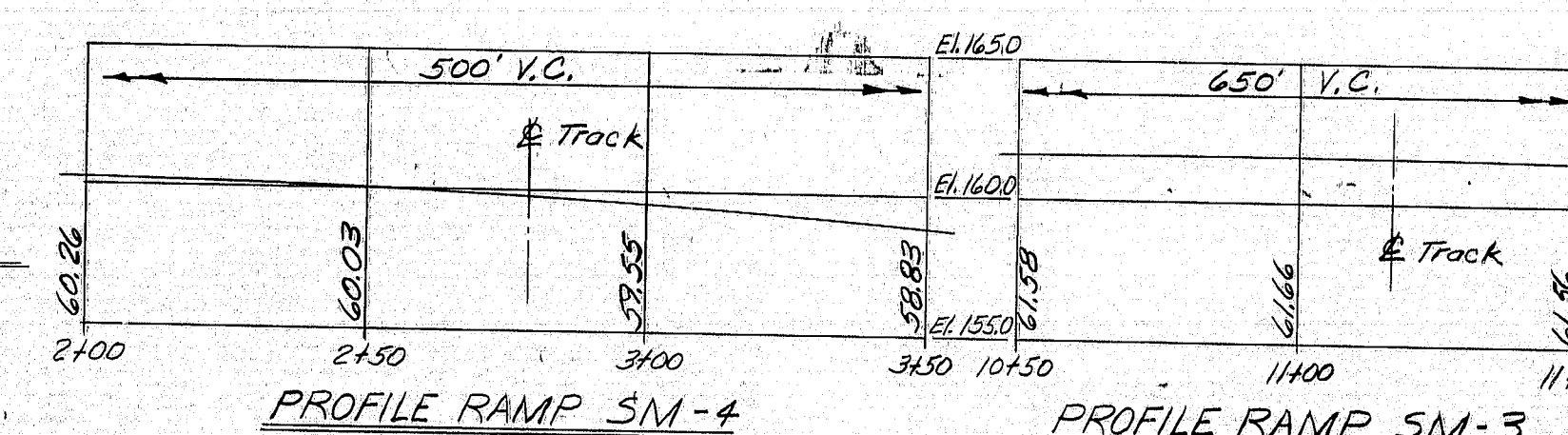
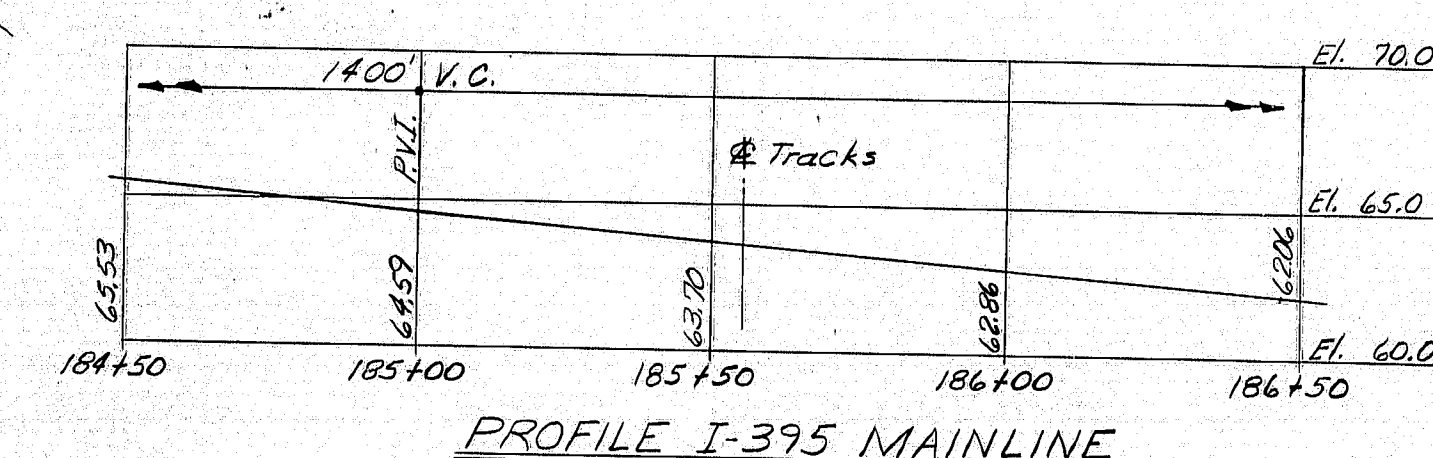
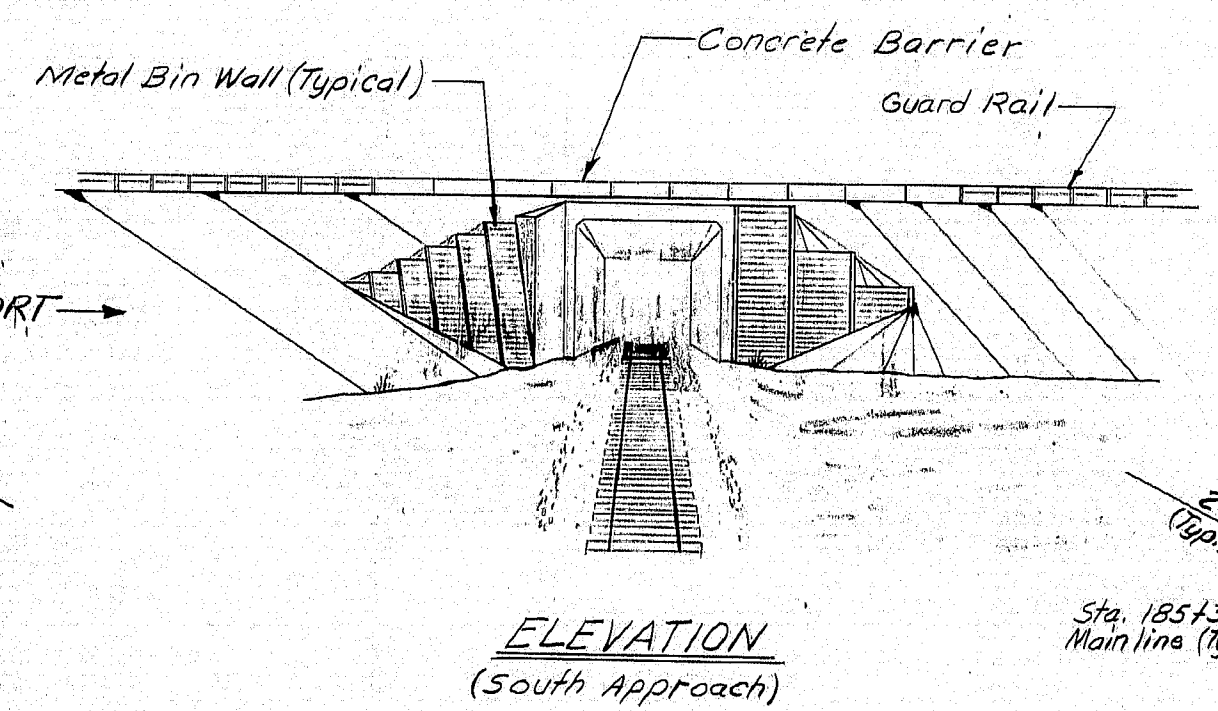
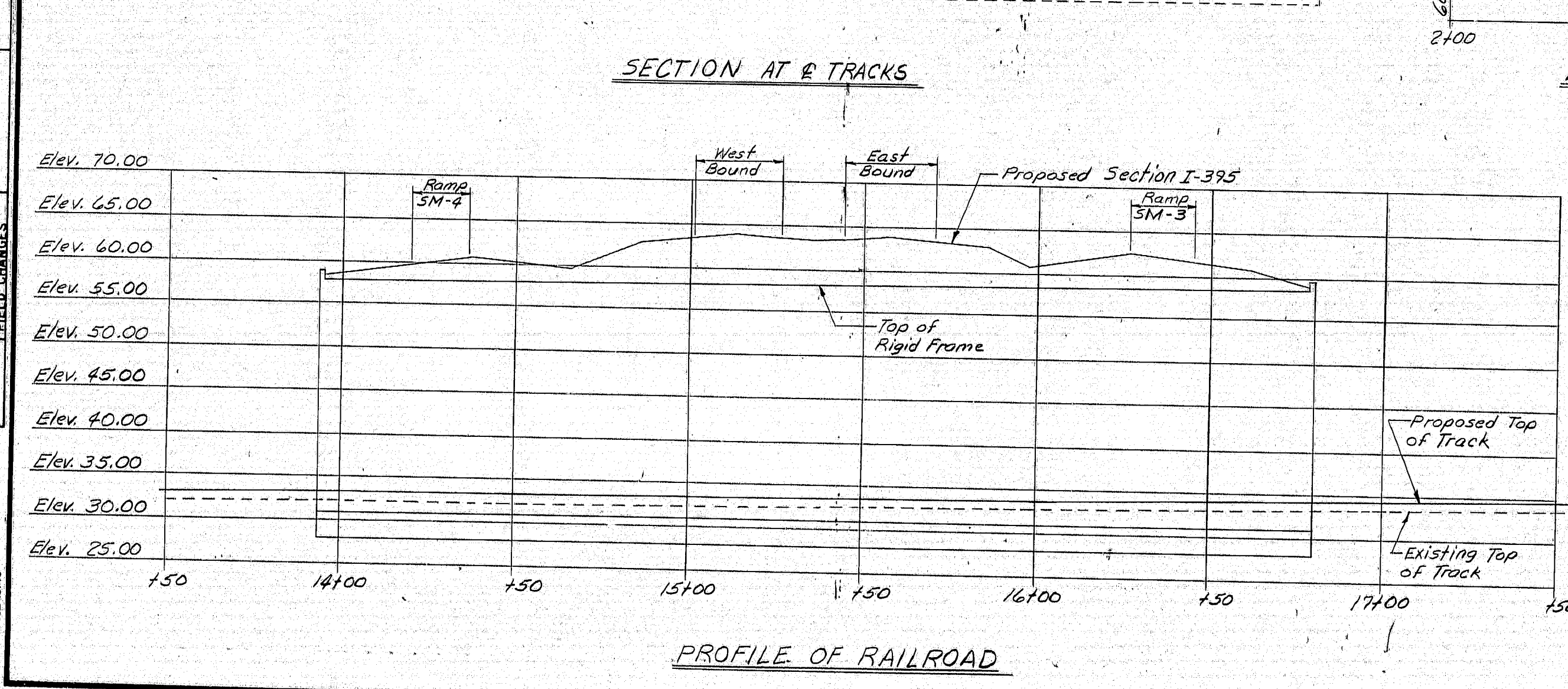
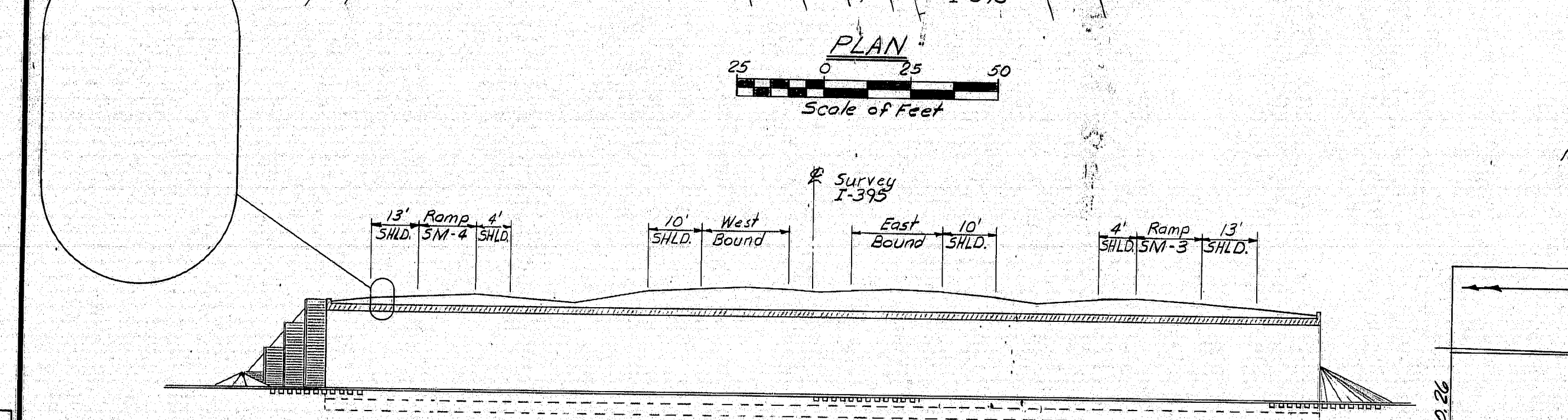
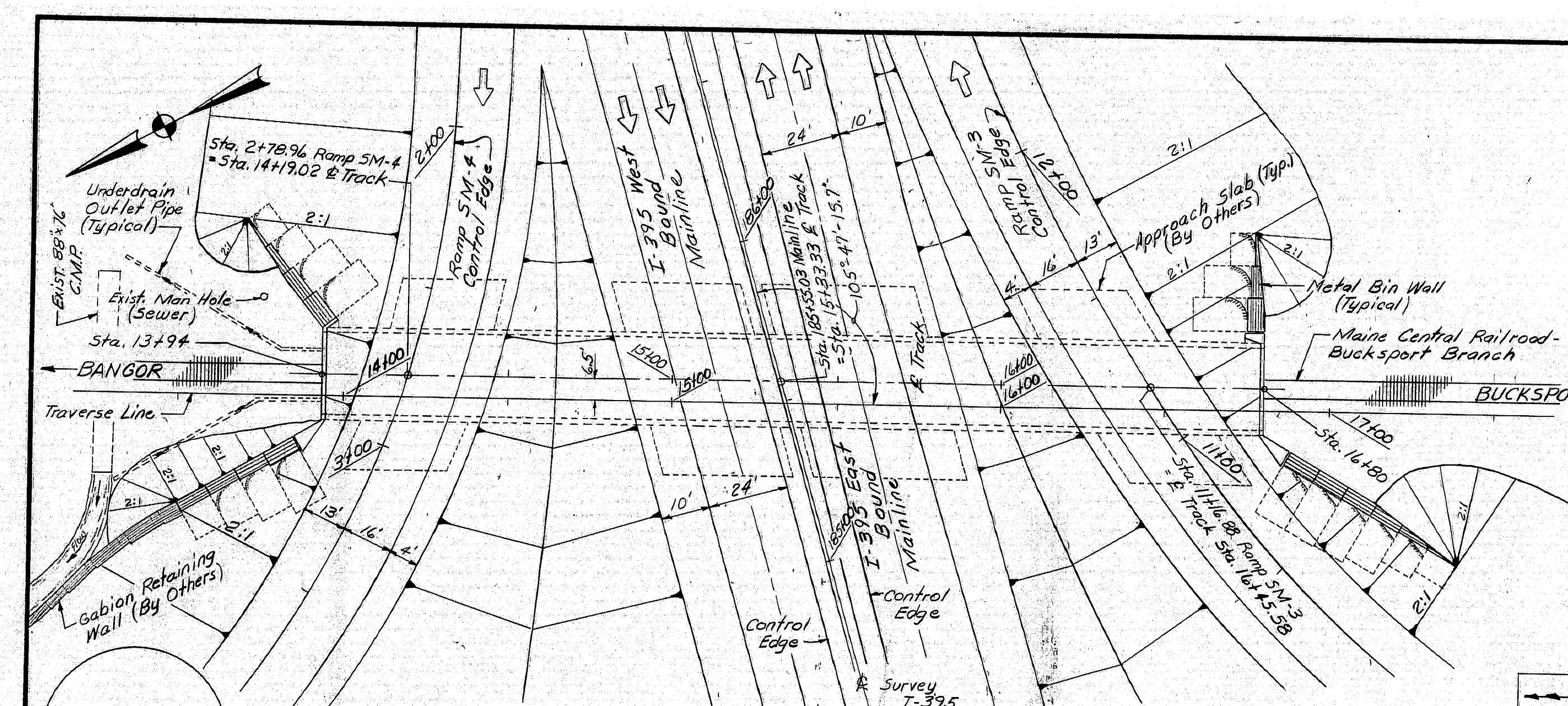
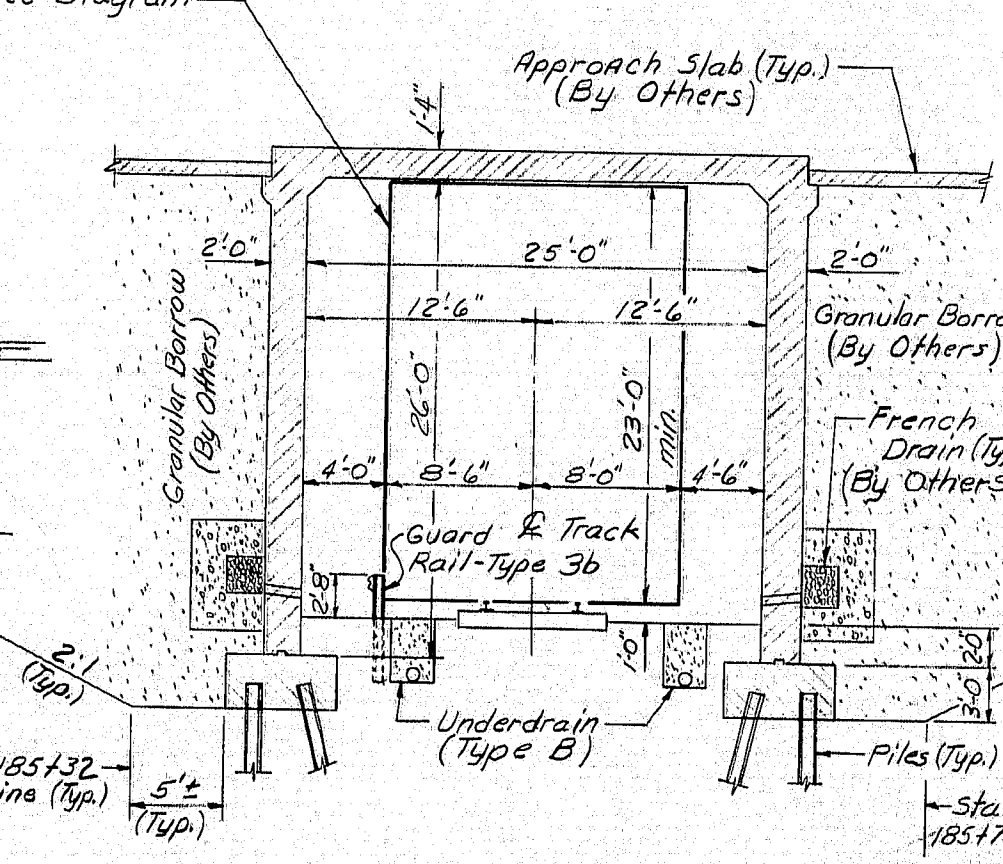


PROJECT DESIGN ENGINEER	DATE
DESIGN - DETAIL	7/83
CHECKED	
FIELD CHANGES	



STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE	97-350	1	1



TYPICAL SECTION

SPECIFICATIONS

DESIGN: Load Factor Design per AASHTO Standard Specifications for Highway Bridges 1978 and Interim Specifications 1979, 1980, 1981 and 1982.
CONTRACT: State of Maine, Department of Transportation, Standard Specifications, Highways and Bridges, Revision of June 1981.

DESIGN LOADING

LIVE LOAD: HS 25

MATERIALS

CONCRETE: CLASS A
REINFORCING STEEL: ASTM A615 GRADE 60

BASIC ALLOWABLE STRESSES

CONCRETE: $f_c = 3,000$ psi.
REINFORCING STEEL: $f_y = 40,000$ psi.

TRAFFIC DATA

	I-395 (West)	Ramp SM-3	Ramp SM-4
AADT (1983)	13080	510	510
AADT (2003)	23600	705	705
D.V.	3540	78	78
D (%)	5	5	5
18 kip P.S.	423	34	34

97-350

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

I-395, RAMP SM-3, SM-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER

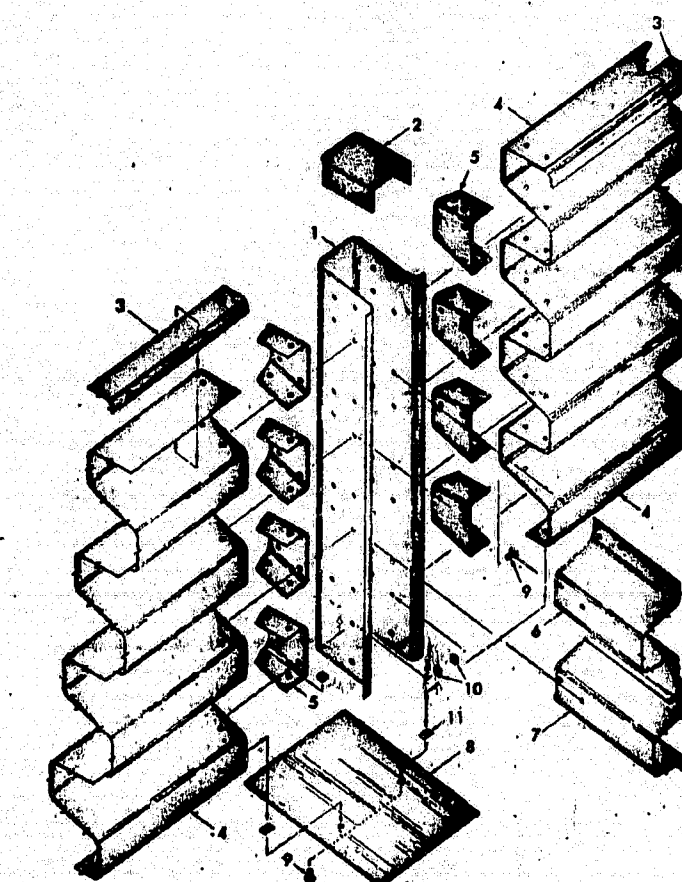
GENERAL PLAN

SHEET 1 OF 4 AUGUSTA, MAINE Oct. 83

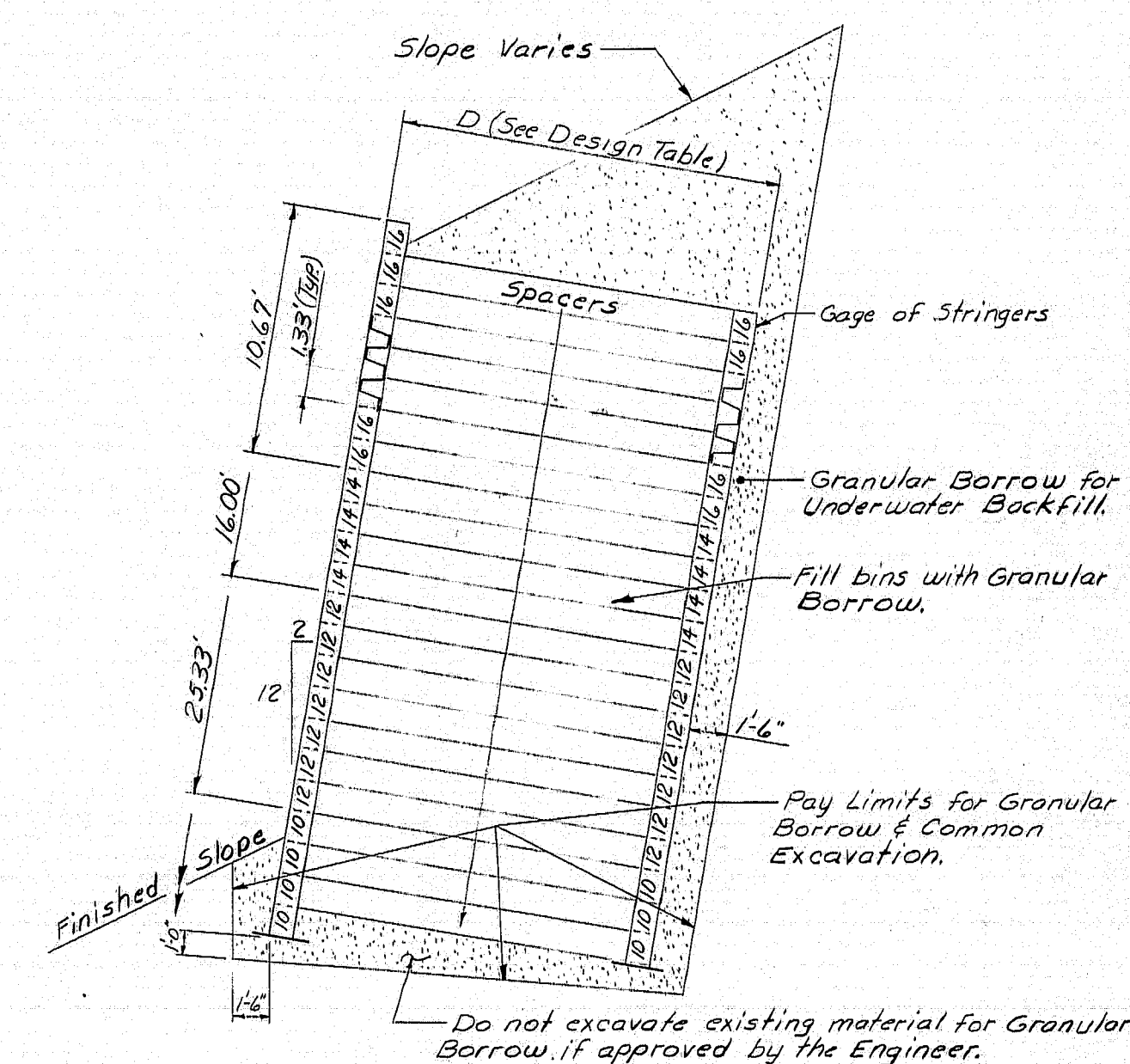
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAIL	FOR	2-23
CHECKED		
REVISIONS		
NOTES		
PLANS		

BRUNING 44-13-00101

F.W.A.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
MAINE		395-8(B.3)	2	4



Exploded view of front panel joint of steel bin-type retaining wall, as seen from the rear. Other wall member configurations may be used if it is of equal strength and approved by the Engineer. See Parts Table below.



TYPICAL SECTION FOR ALL DESIGNS

DESIGN TABLE

DESIGN	D DIMENSION	SPACER LENGTH	SPACER GAGE
B	7.7'	7.4'	16
C	9.3'	9.6'	14
D	12.1'	11.8'	12
E	14.3'	14.0'	12
F	16.5'	16.2'	12

References

For Bin Wall Layout, see sheets 3 & 4

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

I-395, RAMP SM-3, SM-4

MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH


BREWER

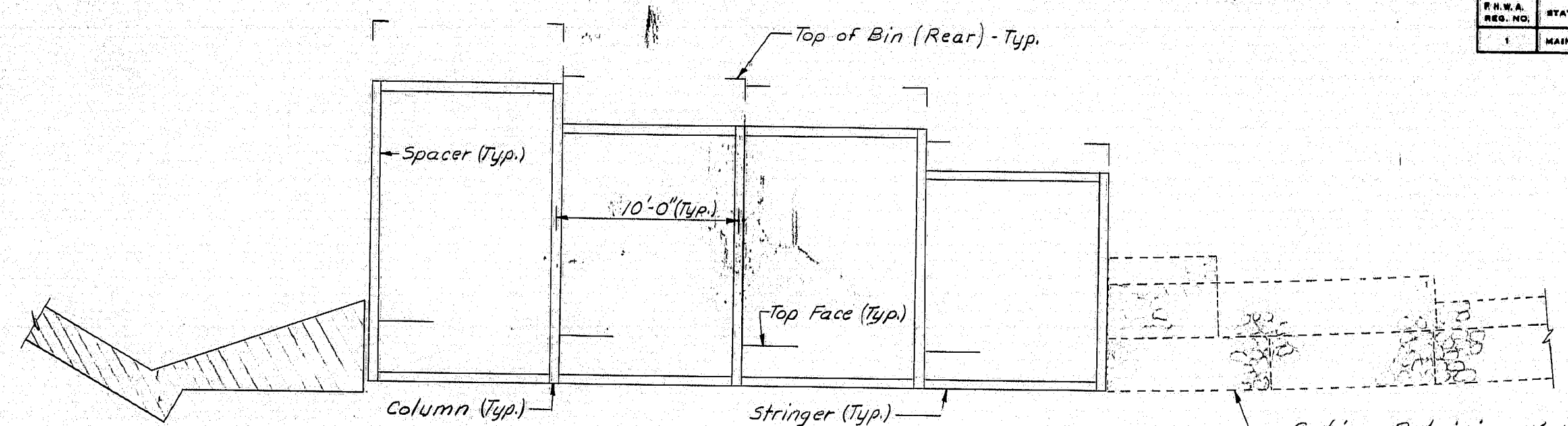
BIN WALL DETAILS

SHEET 2 OF 4 AUGUSTA, MAINE Oct. 83

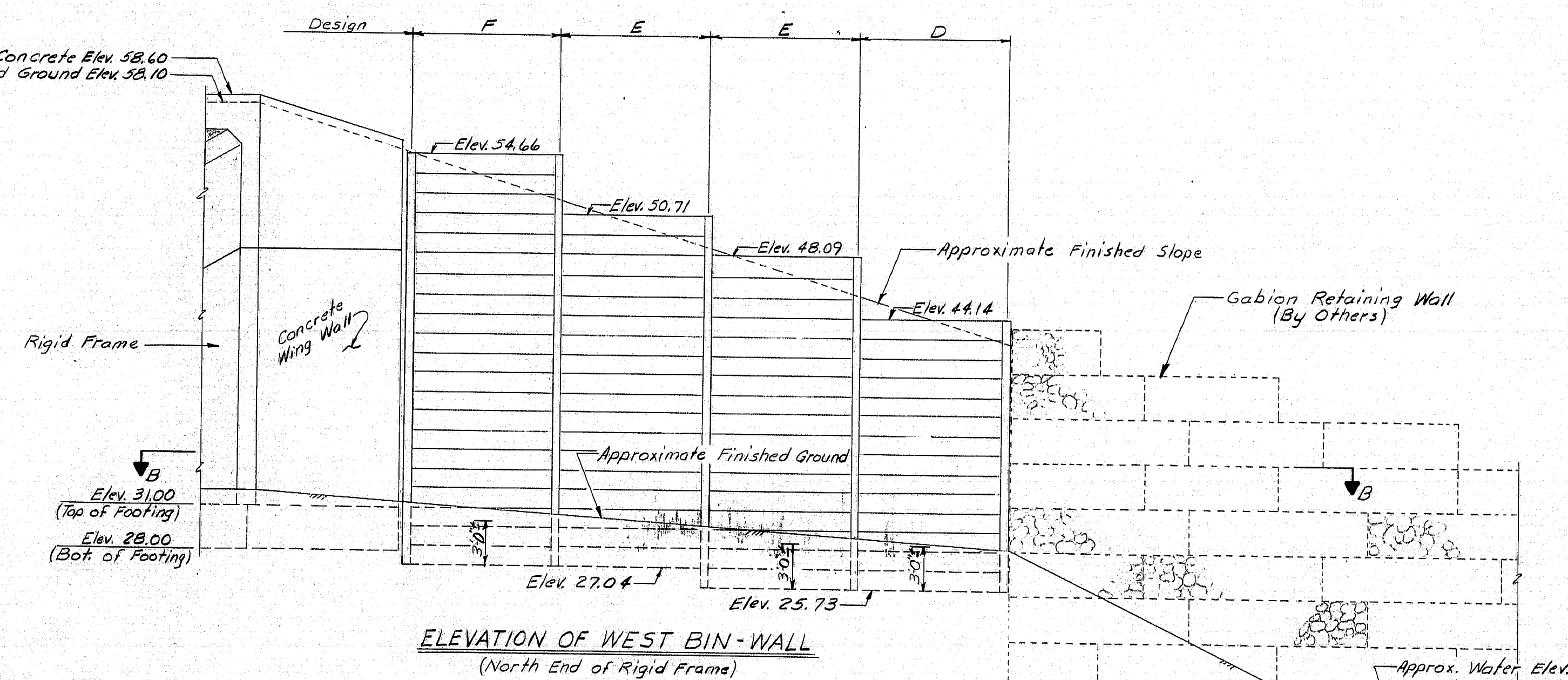
PARTS TABLE

NAME	GAGE	DESCRIPTION
1. Column	8	Vertical member connecting all other units
2. Column Cap	12	Cover for front column
3. Stringer Stiffener	8	Top flange protector
4. Stringer	See Design	Horizontal longitudinal member in front and rear walls
5. Connecting Channel	8	Connector for attaching stringers to columns
6. Spacer	See Table	Transverse members that separate the front & rear columns
7. Bottom Spacer		Special bottom transverse member
8. Base Plate	1	Installation plate on which the column rests
* Column Splice	10	Connects columns for higher walls
* Split Column	8	Connects rear stringer of thinner wall to transverse section of thicker wall
9. 1/4" x 5/8" bolts		
10. 5/8" nuts		
11. 5/8" spring nuts		
* Not Shown		

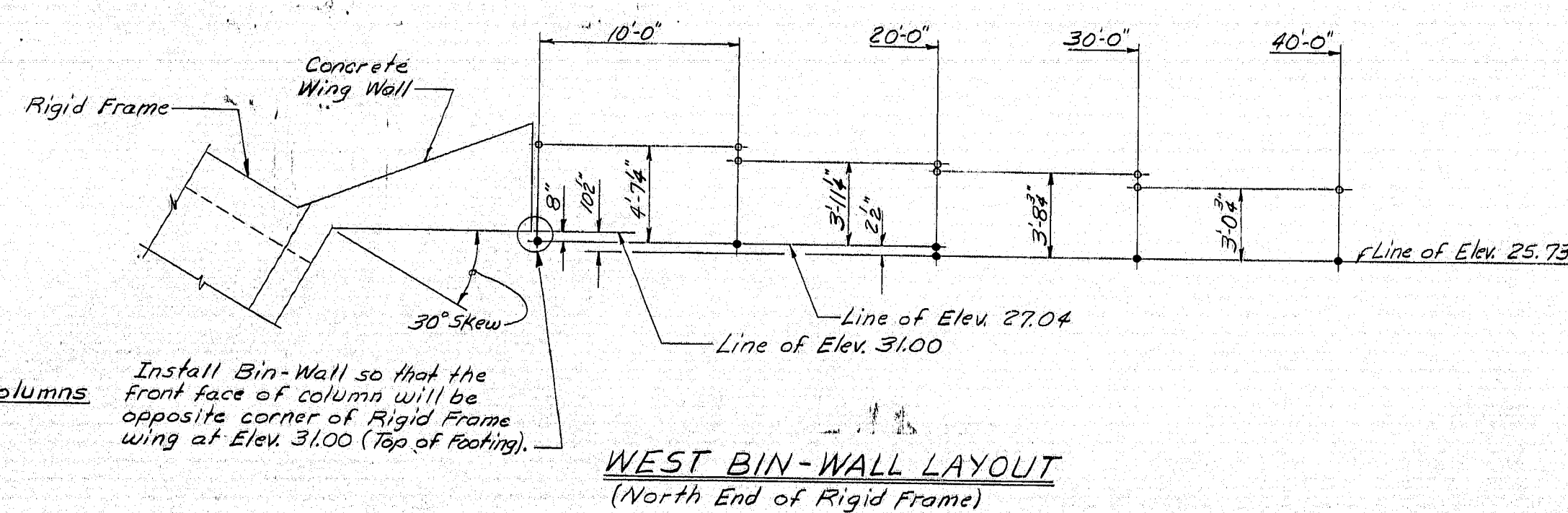
PLANS	PROJECT DESIGN ENGINEER		BY	DATE
	DESIGN - DETAILED		BEW	7-13
	CHECKED		RVD	
	REVISIONS			
	FIELD CHANGES			



SECTION B-B



ELEVATION OF WEST BIN-WALL
(North End of Rigid Frame)



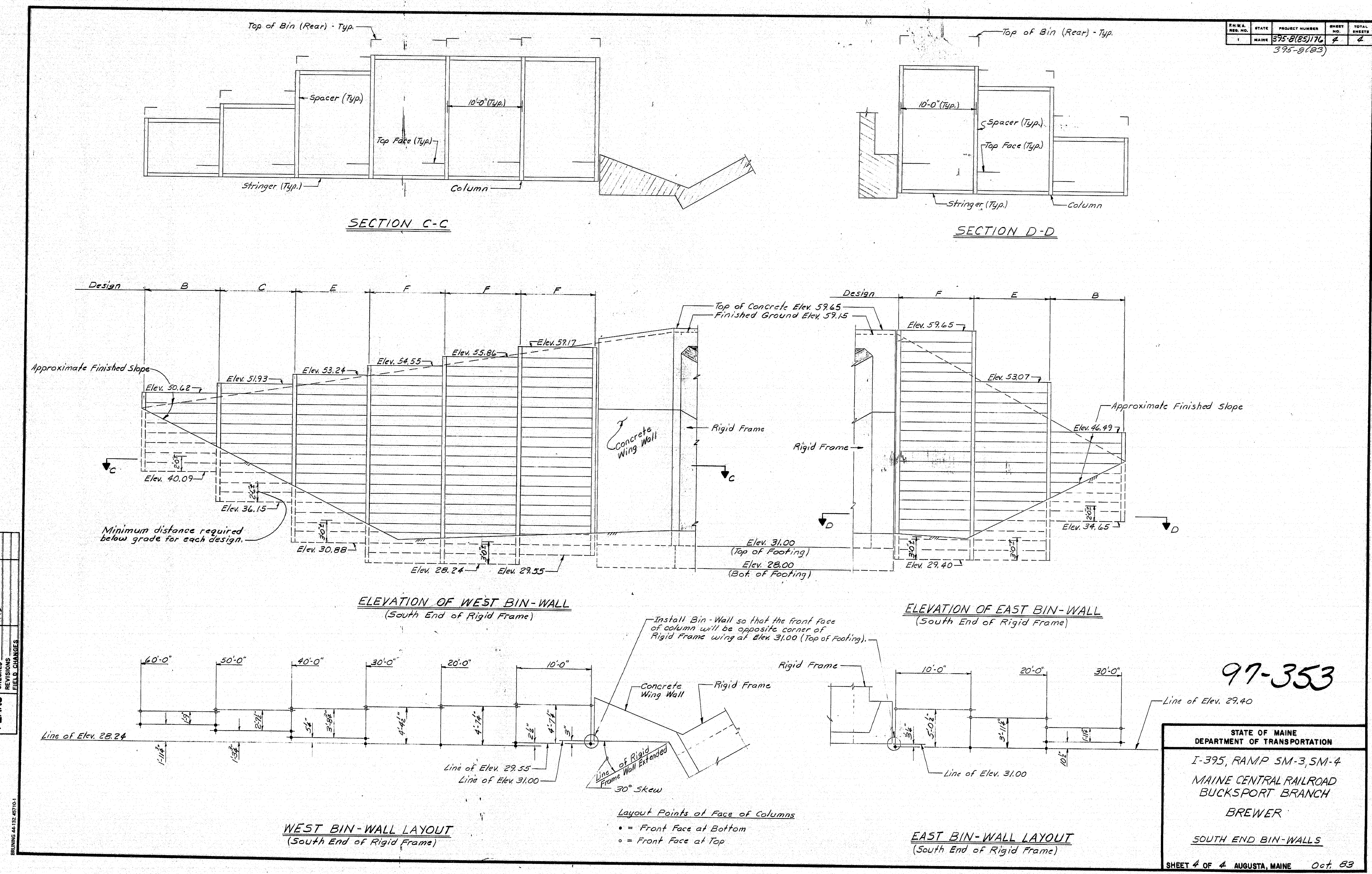
WEST BIN-WALL LAYOUT
(North End of Rigid Frame)

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
I-395, RAMP 5M-3, 5M-4
MAINE CENTRAL RAILROAD
BUCKSPORT BRANCH
BREWER

SHEET 3 OF 4 AUGUSTA, MAINE Oct 83

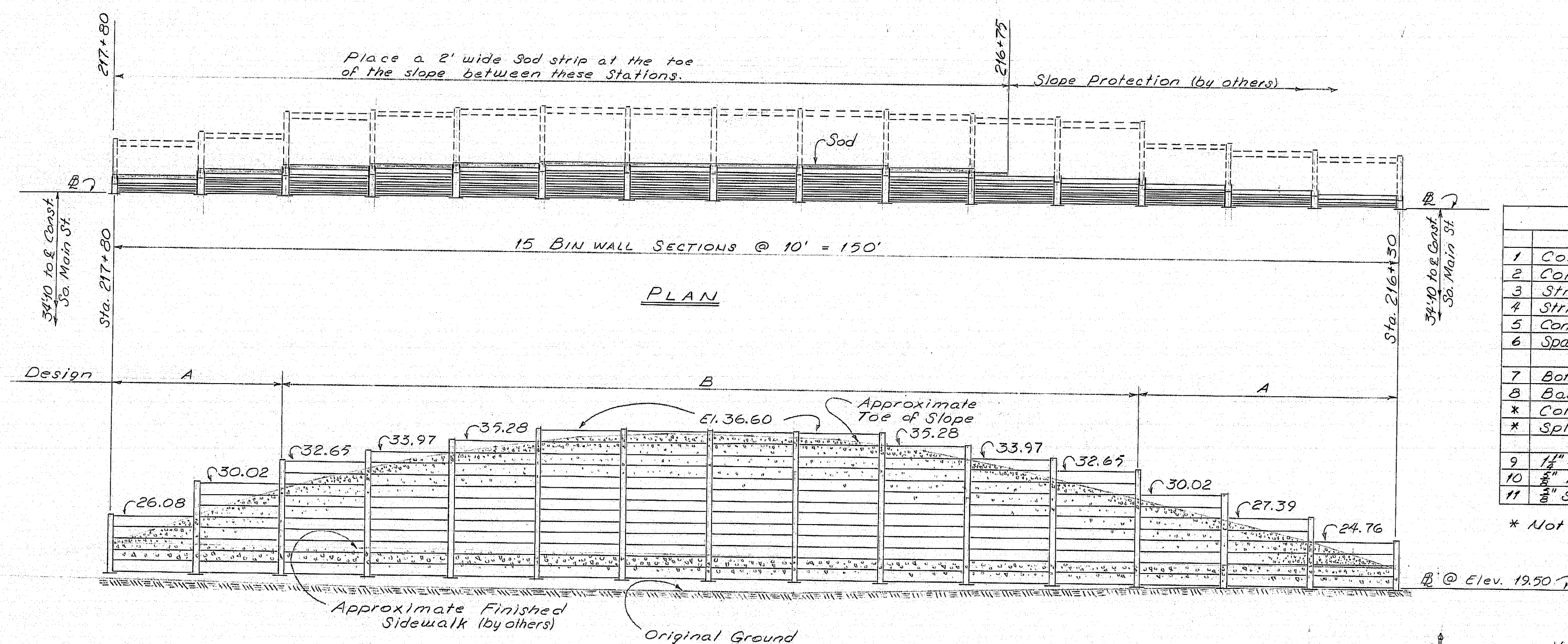
PROJECT DESIGN ENGINEER	BY	DATE
DESIGNED	BY	8/20/83
CHECKED	BY	8/20/83
REVISIONS	NO.	DESCRIPTION
FIELD CHANGES	NO.	DESCRIPTION

PLANS	NO.	DESCRIPTION
1	1	WEST BIN-WALL LAYOUT
2	2	EAST BIN-WALL LAYOUT

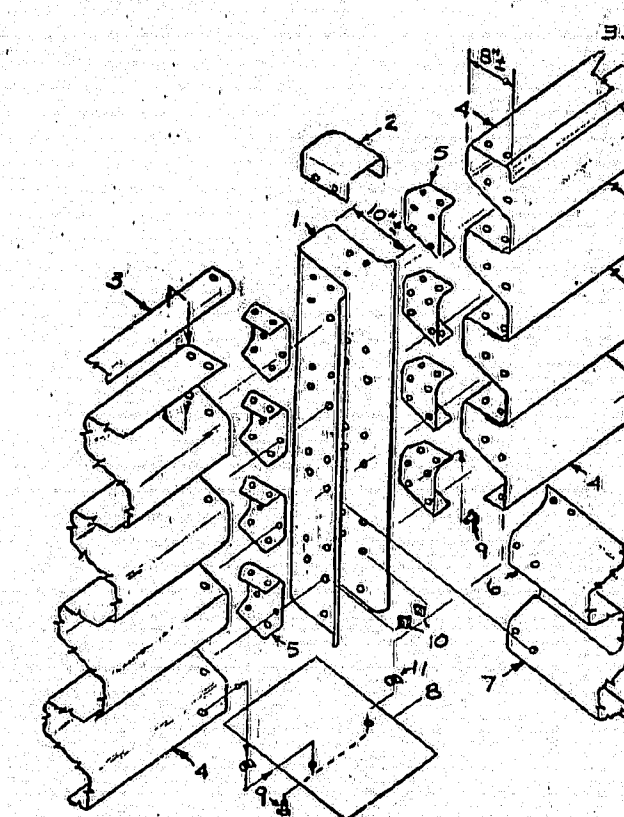
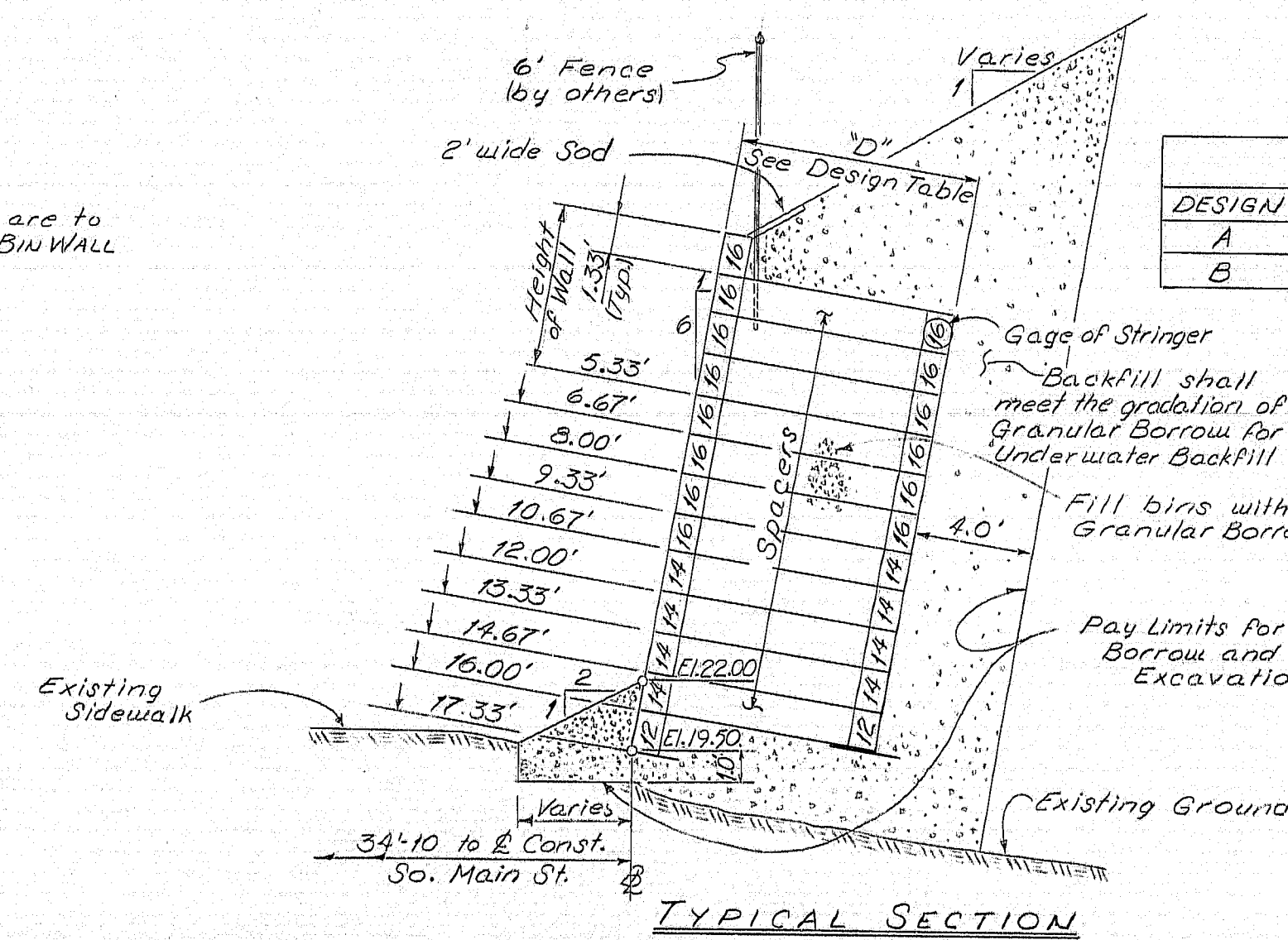


PROJECT DESIGN ENGINEER	DATE
BY	2/23/83
CHECKED	2/23/83
REVISIONS	
FIELD CHANGES	
PLANS	

44-102-2710



Note: The configuration of the bin wall will be subject to field review. The Contractor shall notify the Engineer, in writing, 30 days before ordering materials, to allow the Engineer sufficient time to provide detailed revisions.



BIN DETAIL
Exploded view of front panel joint of steel bin-type retaining wall as seen from the rear. Other wall member configurations may be used if they are of equal strength and are approved by the Engineer.

PARTS TABLE		
NAME	QTY	DESCRIPTION
1 Column	8	Vert. member connecting all other units
2 Column Cap	12	Cover for front column
3 Stringer Stiffener	8	Top flange protector
4 Stringer-See Design Table	8	Horiz. longitudinal members (front & rear)
5 Connecting Panel	8	Connector for attaching Stringers to Columns
6 Spacer-See Design Table	8	Transverse members separating front and rear columns
7 Bottom Spacer	1	Special bottom transverse member
8 Base Plate	1	Installation plate upon which column rests
* Column Splice	10	Connects Columns for higher walls
* Split Column	8	Connects rear stringer of thinner wall to transverse section of thicker wall.
9 1/4" x 3/8" Bolts		
10 3/4" Nuts		
11 3/4" Spring Nuts		

* Not shown

DESIGN TABLE			
DESIGN 'D' DIMENSION	SPACER LENGTH	SPACER GAGE	
A 5.5'	5.2'	16	
B 7.7'	7.4'	16	

Note: Preparation of foundation, material gradation, and construction of the embankment shall be as described for Abutments and Piers under subsection 203.13 of the Standard Specifications.

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STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

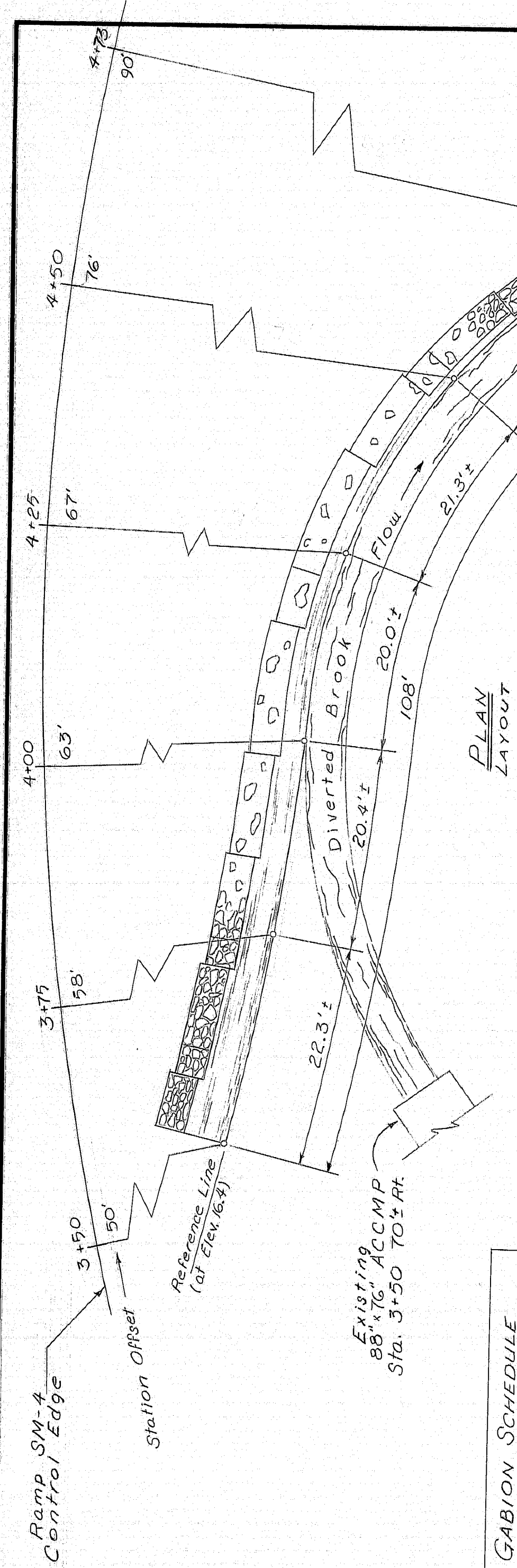
SPECIAL DETAIL
METAL BIN WALL

at Right of
SOUTH MAIN STREET

SHEET OF AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAILED	D. D. D.	7/83
CHECKED	BAS	7/83
FIELD CHANGES		

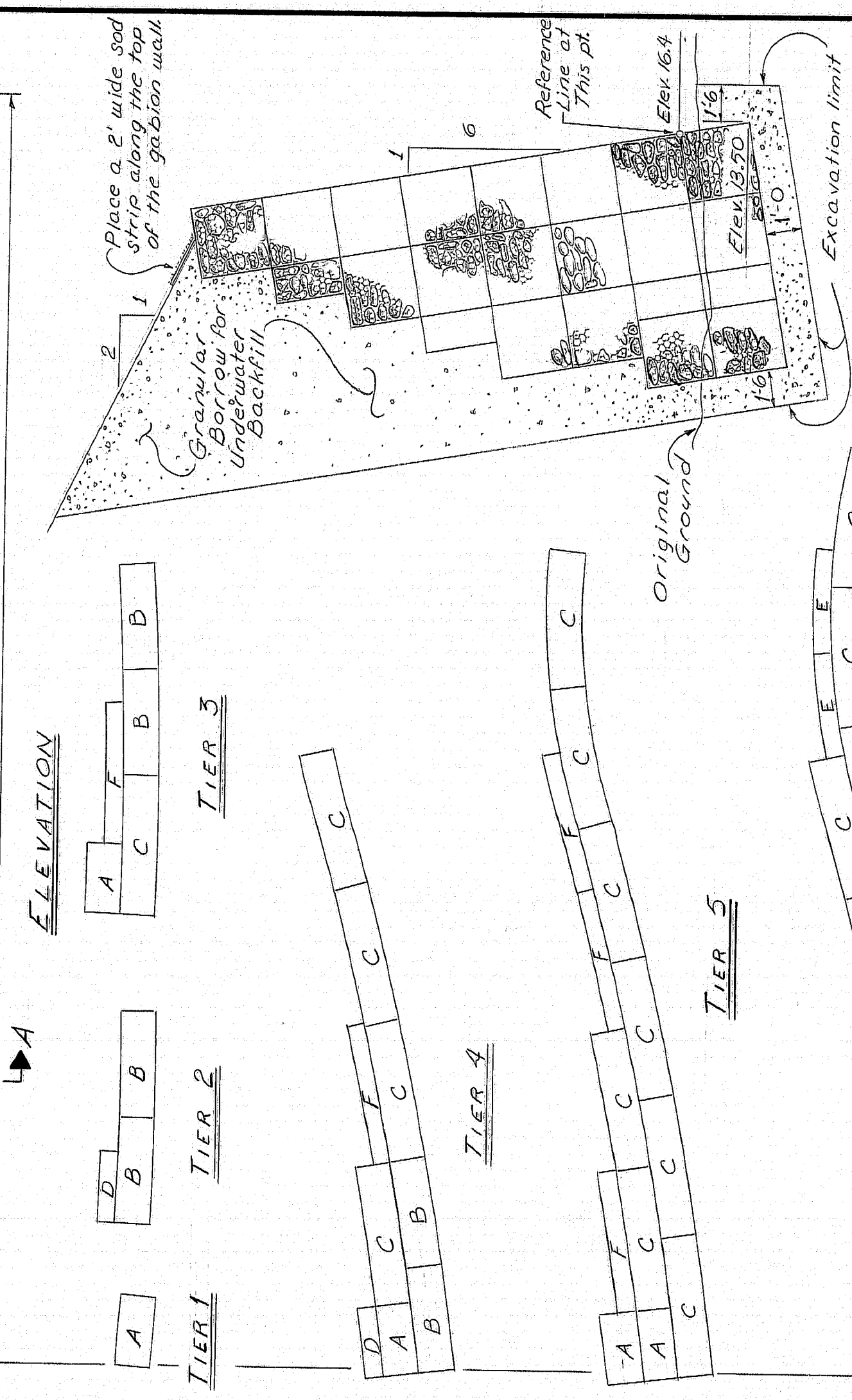
BURNING 4418-2010



Unit	Size	Volume	Member
A	3' x 3' x 6'	(2 C.Y.)	12
B	3' x 3' x 9'	(3 C.Y.)	33
C	3' x 3' x 12'	(4 C.Y.)	62
D	1.5' x 3' x 6'	(1 C.Y.)	11
E	1.5' x 3' x 9'	(1.5 C.Y.)	10
F	1.5' x 3' x 12'	(2 C.Y.)	10
Total volume 476 C.Y.			

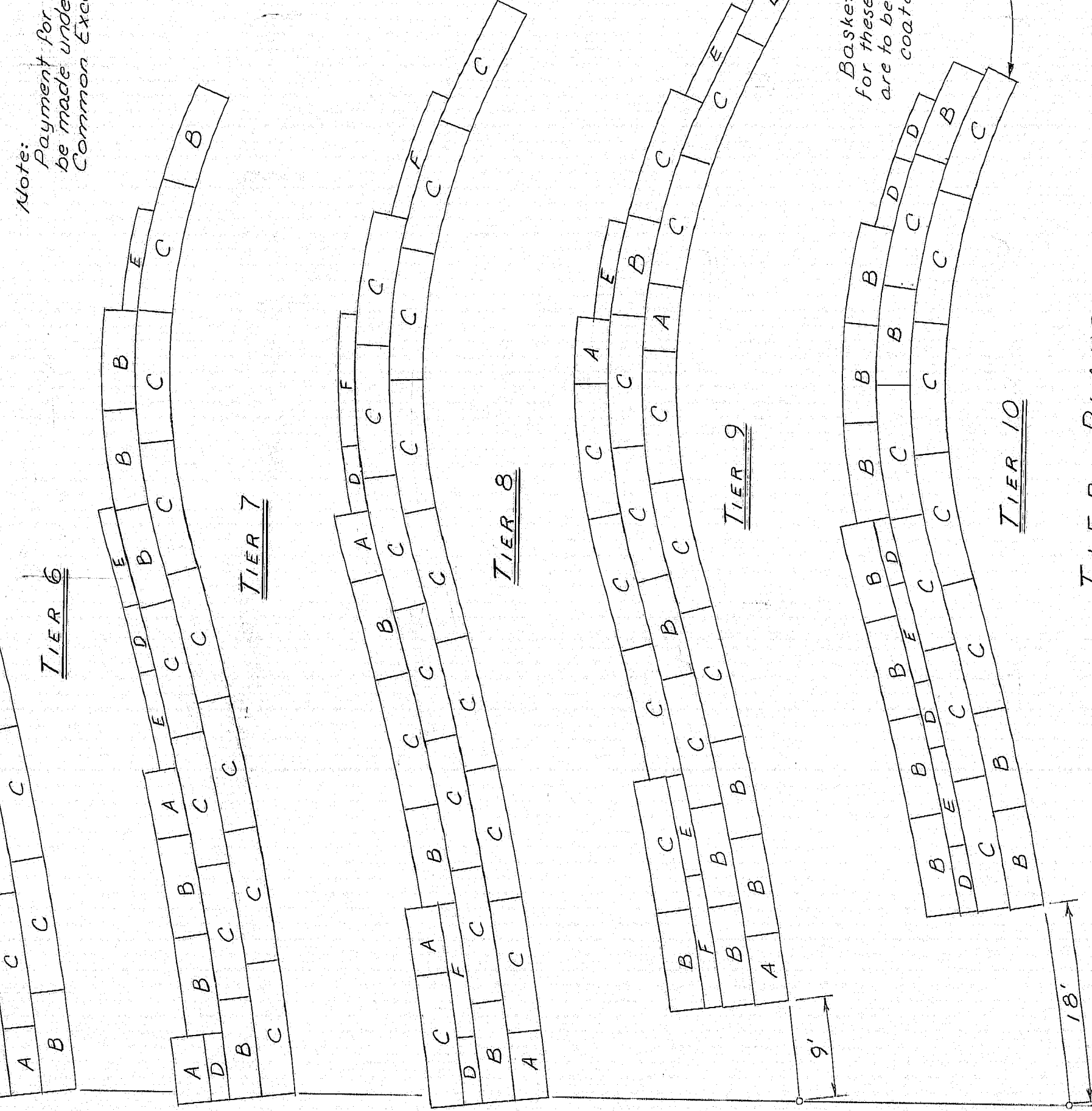
Note: Basket wire, for the post and rail (exposed) of Tiers 9 and 10 shall be PVC coated.

Tier Number	Member	Volume	Member	Volume
1	A	9	A	9
2	B	10	B	10
3	C	10	C	10
4	B	10	B	10
5	C	10	C	10
6	B	10	B	10
7	C	10	C	10
8	A	10	A	10
9	B	10	B	10
10	C	10	C	10



Note: Payment for excavation will be made under Item 203.20 Common Excavation.

SECTION A-A

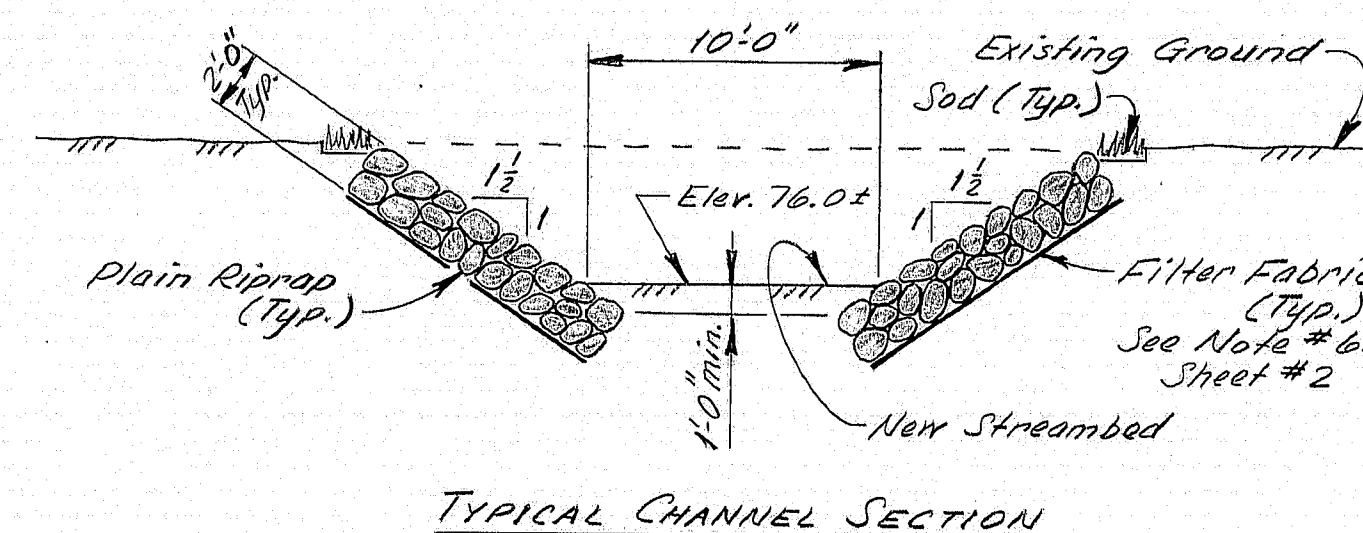
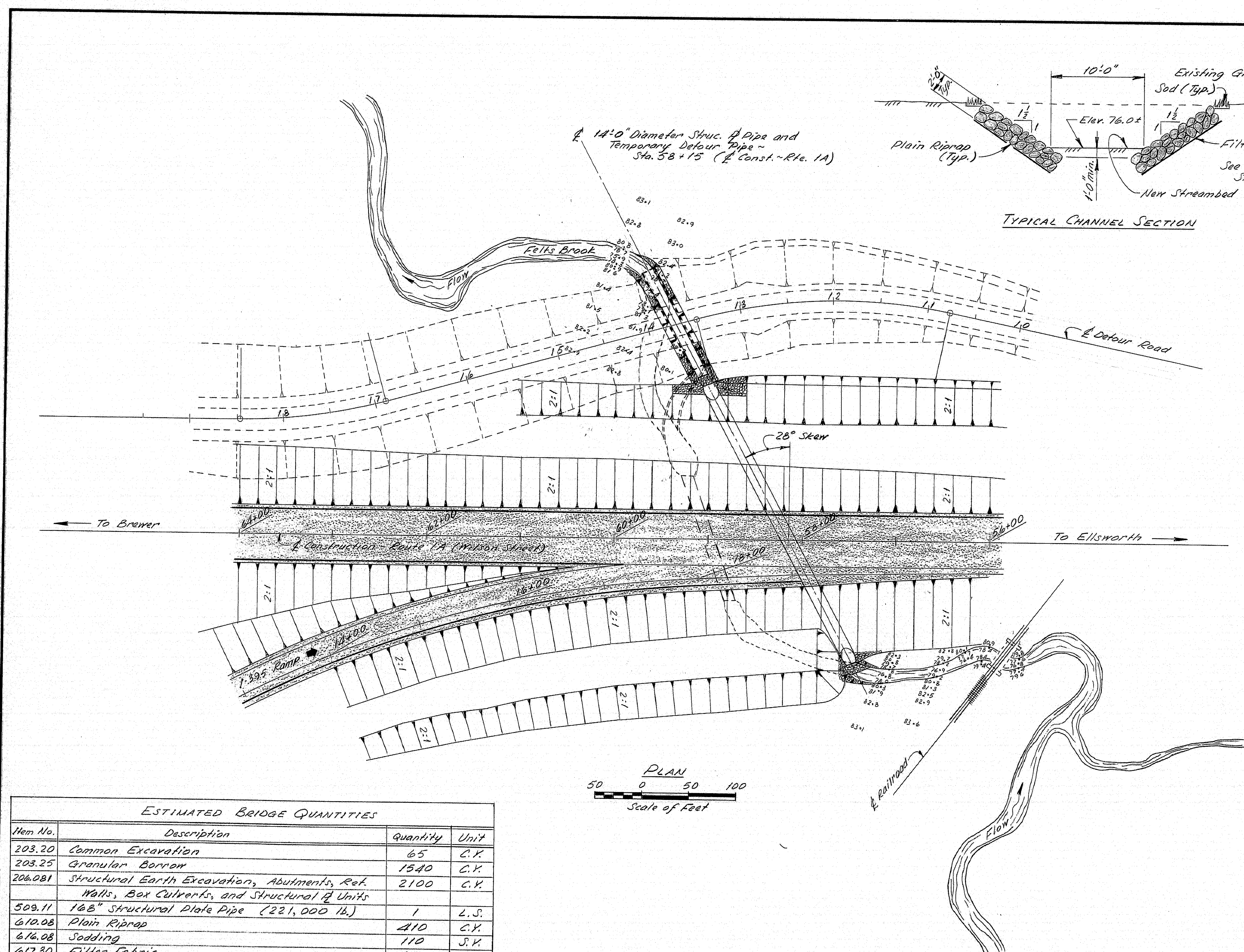


97-355

STATE OF MAINE DEPARTMENT OF TRANSPORTATION
SPECIAL DETAIL GABION RETAINING WALL at Right of RAMP SM-4
SHEET OF AUGUSTA, MAINE

PROJECT DESIGN ENGINEER	DATE
DESIGN - DETAIL	12/20/82
REVISIONS	1/5/83
FIELD CHANGES	

ESTIMATED BRIDGE QUANTITIES			
Item No.	Description	Quantity	Unit
203.20	Common Excavation	65	C.Y.
203.25	Granular Borrow	1540	C.Y.
204.081	Structural Earth Excavation, Abutments, Ret. Walls, Box Culverts, and Structural Pipe Units	2100	C.Y.
509.11	16" Structural Plate Pipe (221,000 lb.)	1	L.S.
610.08	Plain Riprap	410	C.Y.
616.08	Sodding	110	S.Y.
617.30	Filter Fabric	4400	S.F.



F.R.D. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	10 895 B(83)	33	621

SPECIFICATIONS

DESIGN: AASHTO Standard Specifications for Highway Bridges 1977 and Interims thru 1982.

DESIGN LOADING

LIVE LOAD: HS 25

HYDROLOGIC DATA

Drainage Area 4.81 sq. miles
 Design Discharge (Q50) 650 cfs
 Check Discharge (Q100) 770 cfs
 Discharge Velocity (Q50) 6.2 fps
 Discharge Velocity (Q100) 7.0 fps
 Headwater Elev. (Q50) 84.9
 Headwater Elev. (Q100) 85.8

INDEX OF BRIDGE PLANS

General Plan 1
 Pipe Details 2

NOTES

- Ends of the detour pipe shall have special end treatment, including riprap, as directed by the Engineer.
- Excavation for the relocated channel within the slopes of the detour shall be incidental to the detour pay item. All riprap and filter fabric for the relocated channel shall be paid for under their respective pay items.
- Excavation for the final re-located stream channel outside of the slopes of the detour shall be paid for under Item 203.20, Common Excavation.
- Any temporary rechannelization of the stream for the detour pipe shall be incidental to the detour pay item.

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.

Field Notebook No. 895/38

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION

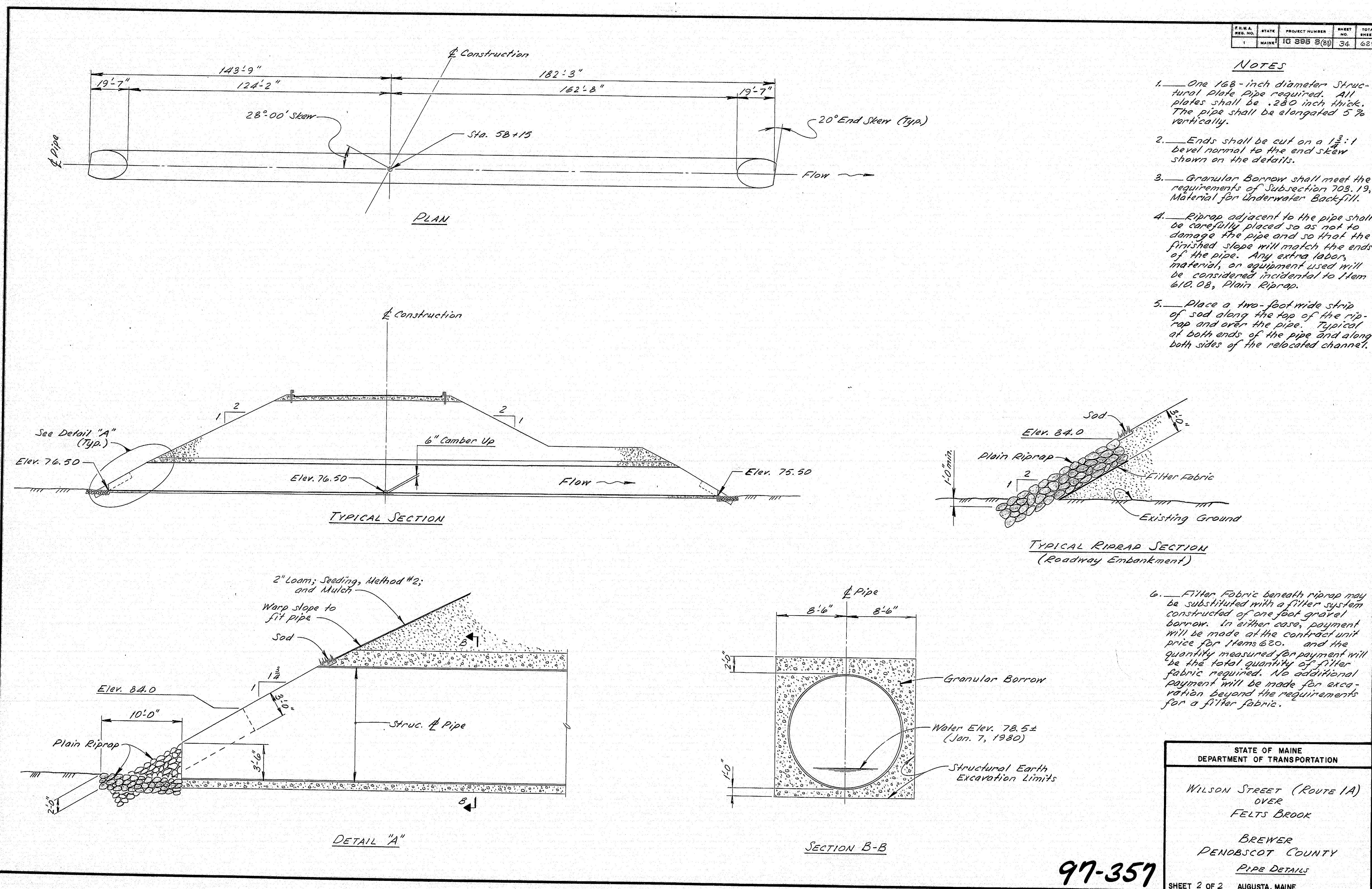
WILSON STREET (Route 1A)
 OVER
 FELTS BROOK
 BREWER
 PENOBSCOT COUNTY
 GENERAL PLAN

SHEET 1 OF 2 AUGUSTA, MAINE

97-356

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAILED	15-P	10/20/80
CHECKED	RSB	11/12/80
FIELD CHANGES		
PLANS		

REVISIONS 44-152-457(1)

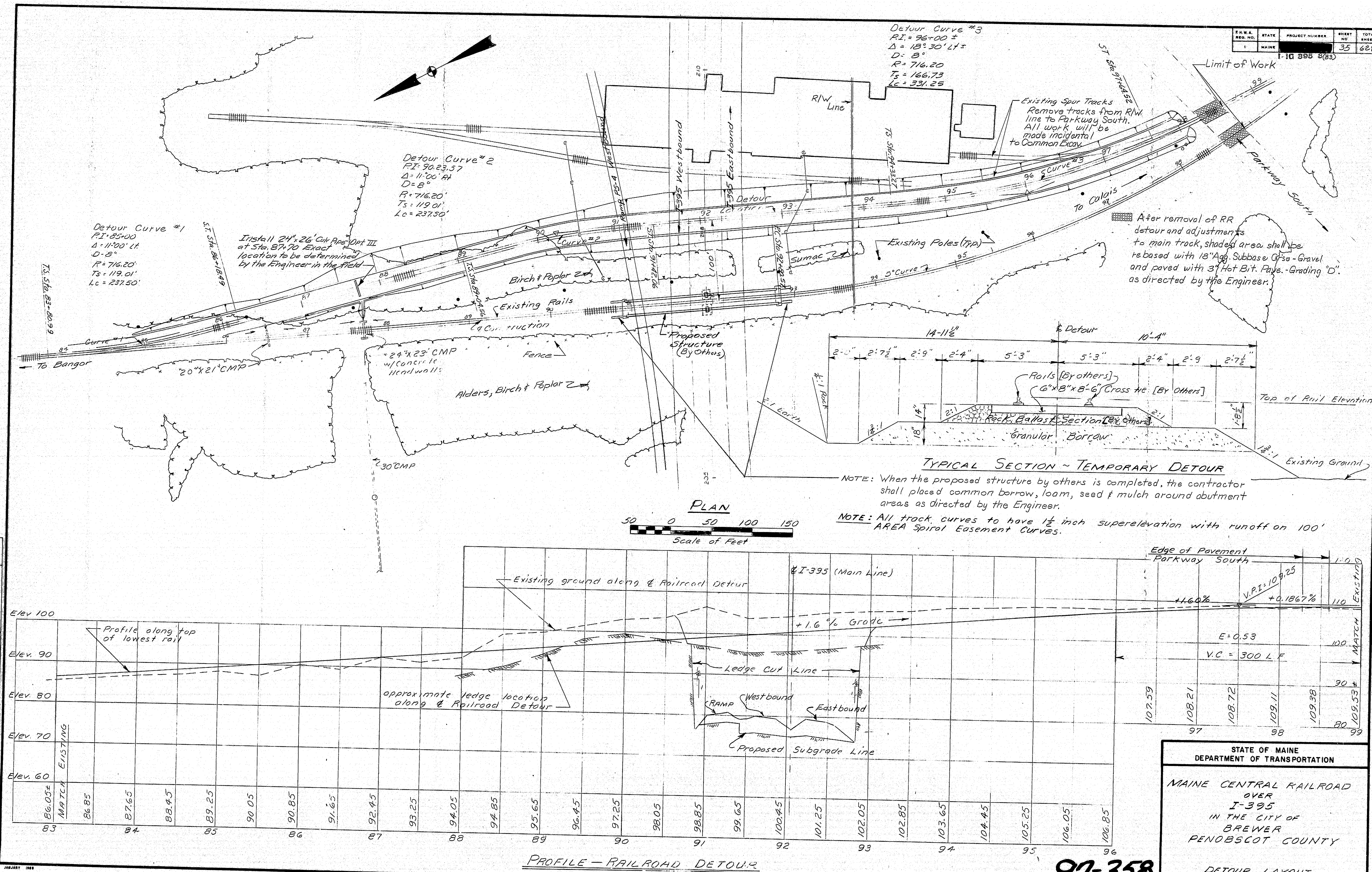


97-357

STATE OF MAINE DEPARTMENT OF TRANSPORTATION
WILSON STREET (ROUTE 1A) OVER FELTS BROOK
BREWER DENBOSCH COUNTY
PIPE DETAILS
SHEET 2 OF 2 AUGUSTA, MAINE

PROJECT ENGINEER	DATE
DESIGNED BY	11/11/82
CHECKED BY	11/11/82
REVISIONS	
FIELD CHANGES	

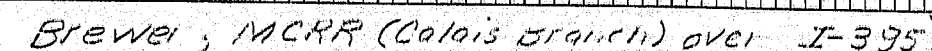
PLANS



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 MAINE CENTRAL RAILROAD
 OVER
 I-395
 IN THE CITY OF
 BREWER
 PENOBSCOT COUNTY
 DETOUR LAYOUT
 SHEET 17 OF AUGUSTA, MAINE FEB 11, 1983

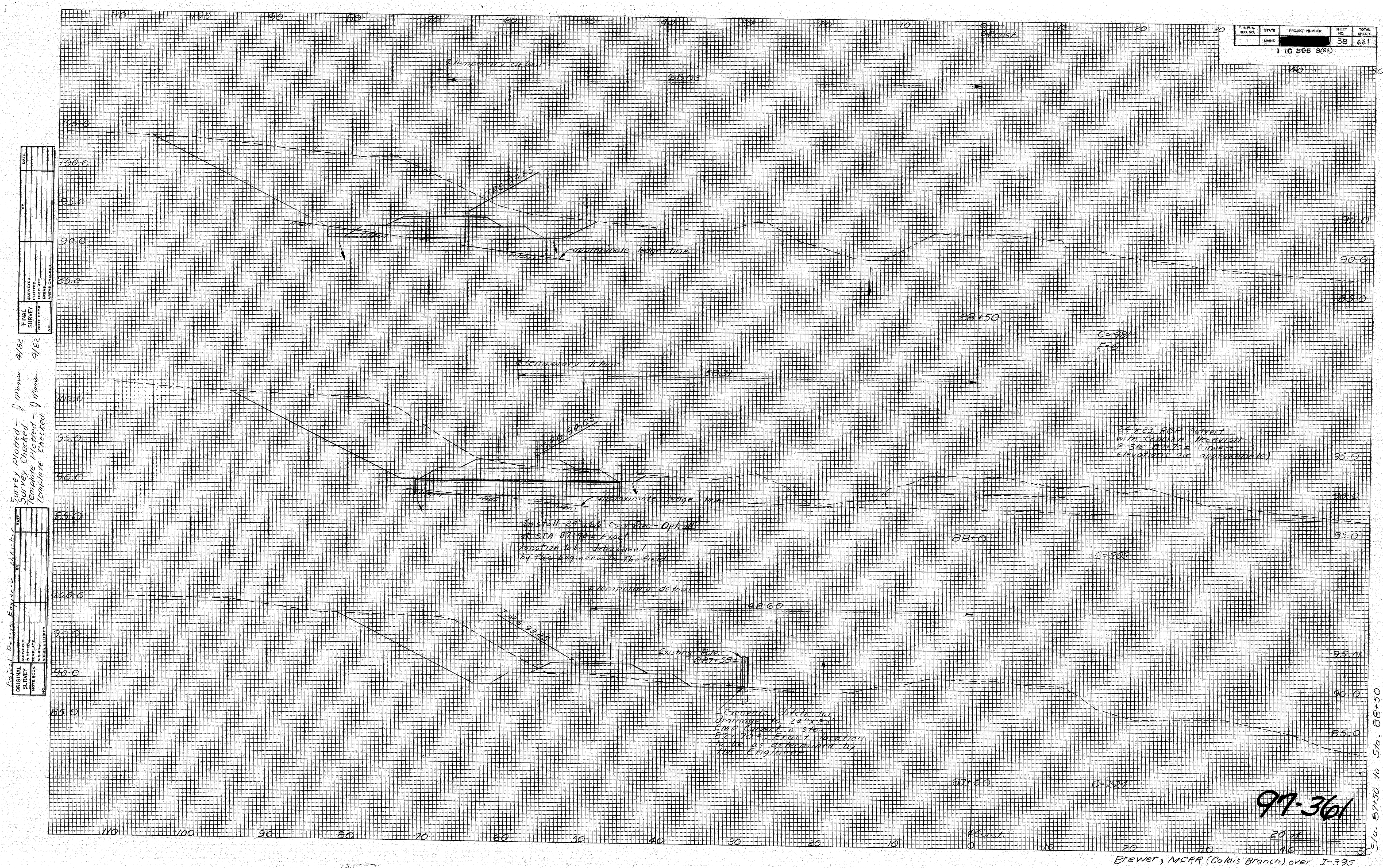
97-358

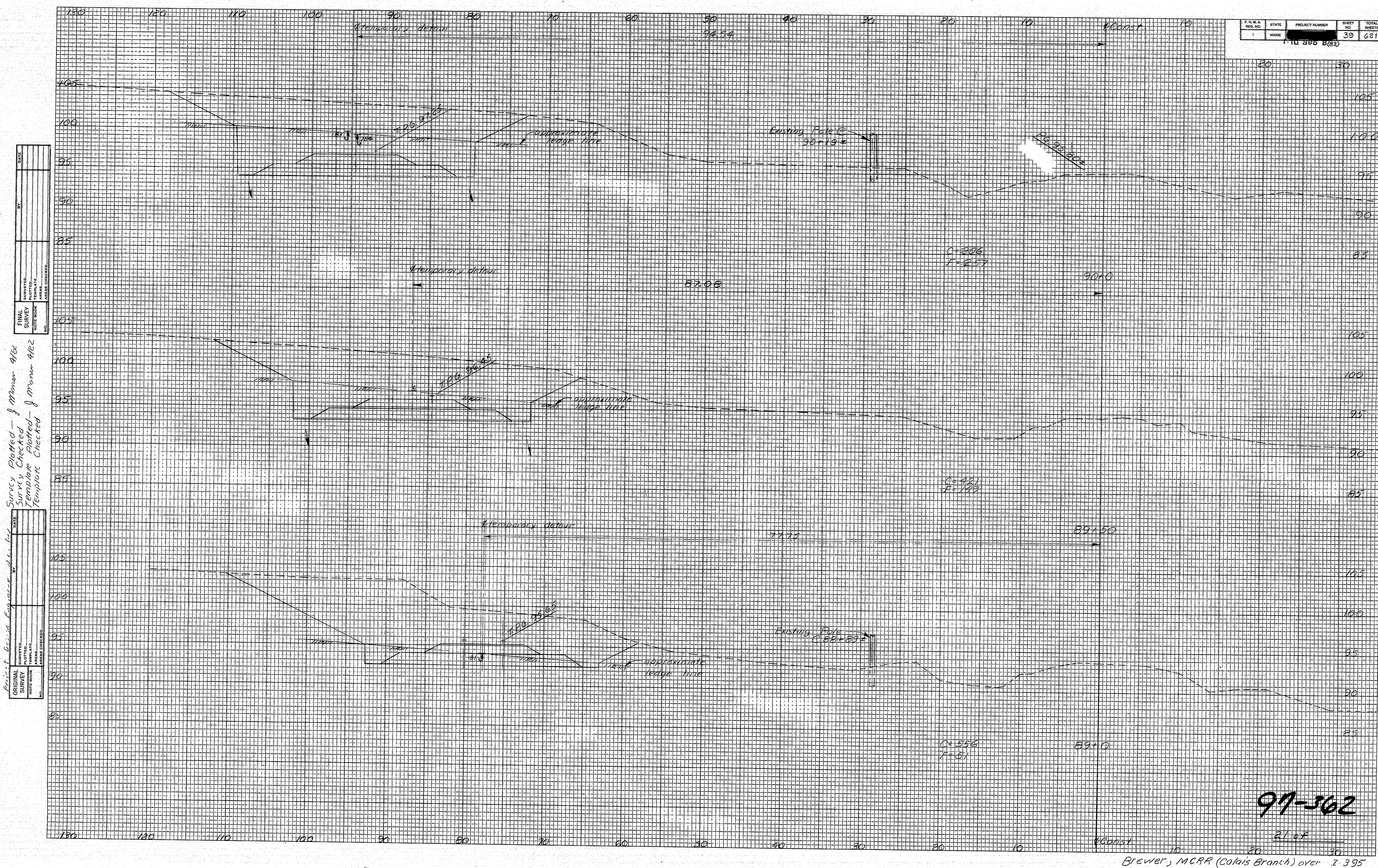
ORIGINAL	BY	DATE
Project Design Engineer H. Richter Survey Plotted - J. Menni- 4-82		



97-360

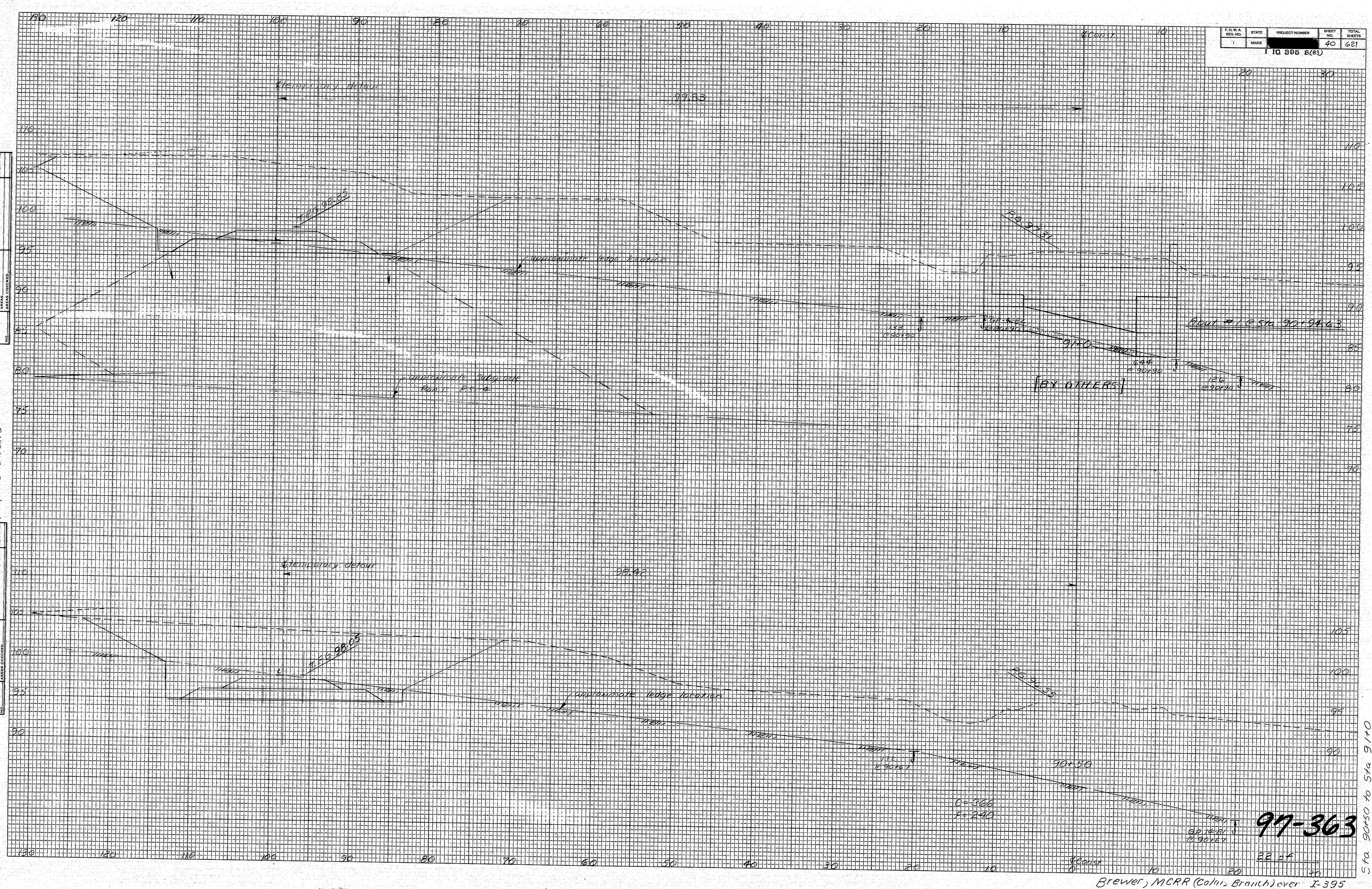
Sta. 8510 to Sta 8740





Brewer, MCRR (Colais Branch) over I-395

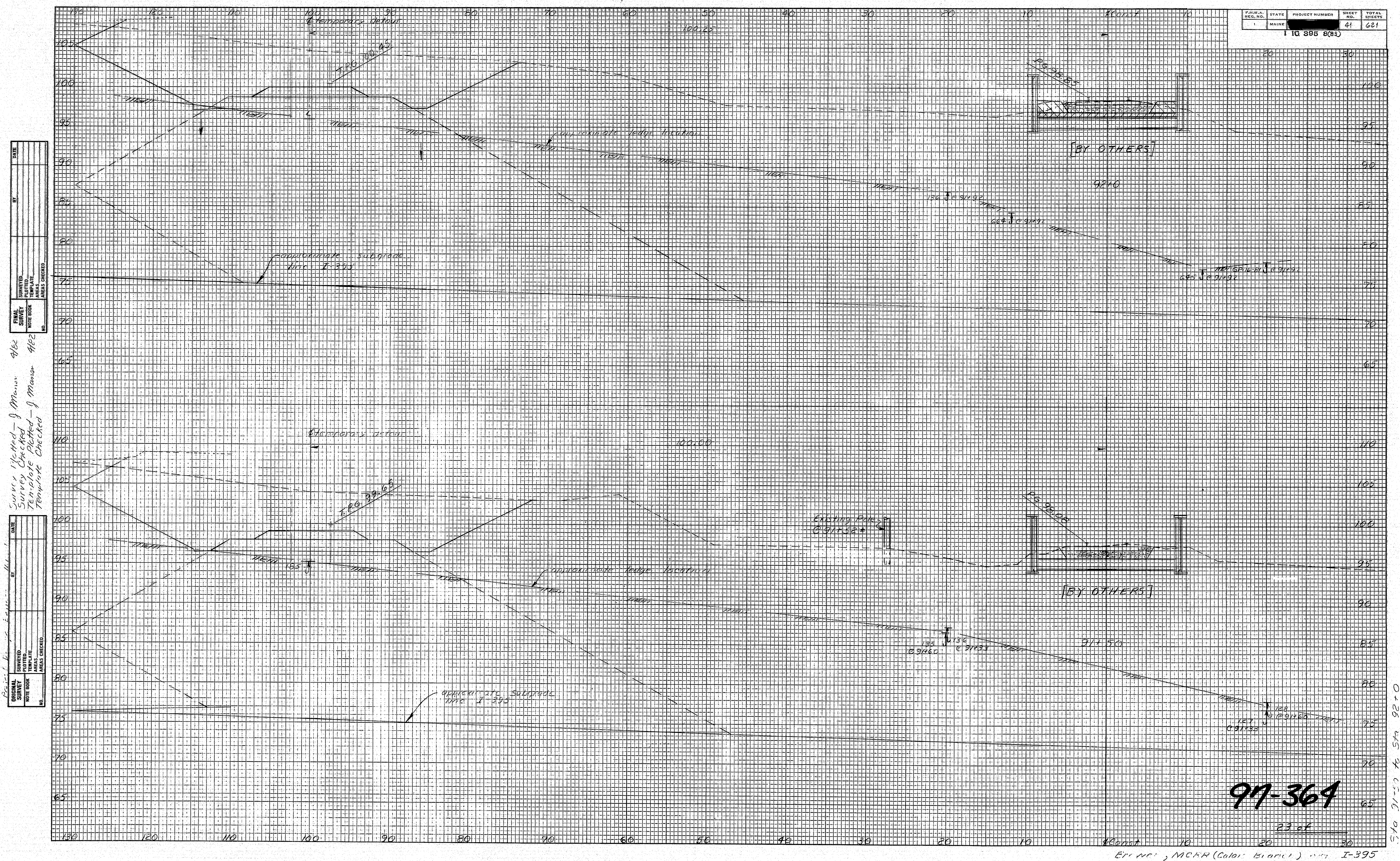
Project Design Engineer, M. L. V. Survey, Plotted, 1/11/54, 4182
 Original Survey, Plotted, 1/11/54, 4182
 Template Plotted, 1/11/54, 4182
 Template Checked, 1/11/54, 4182



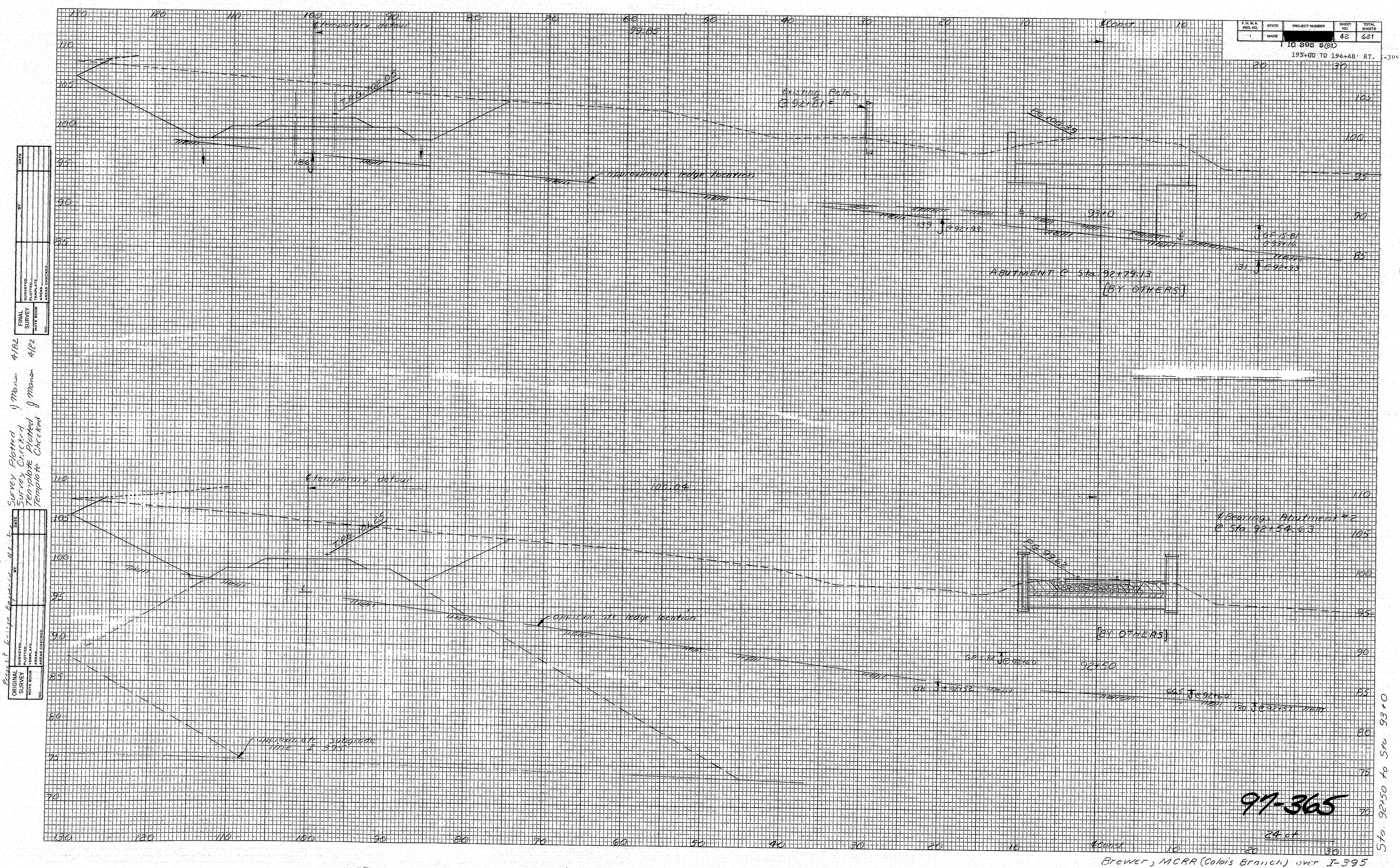
97-363

Brewer, MCRB (Colin Branch) over I-395

Sta 90+50 to Sta 91+0



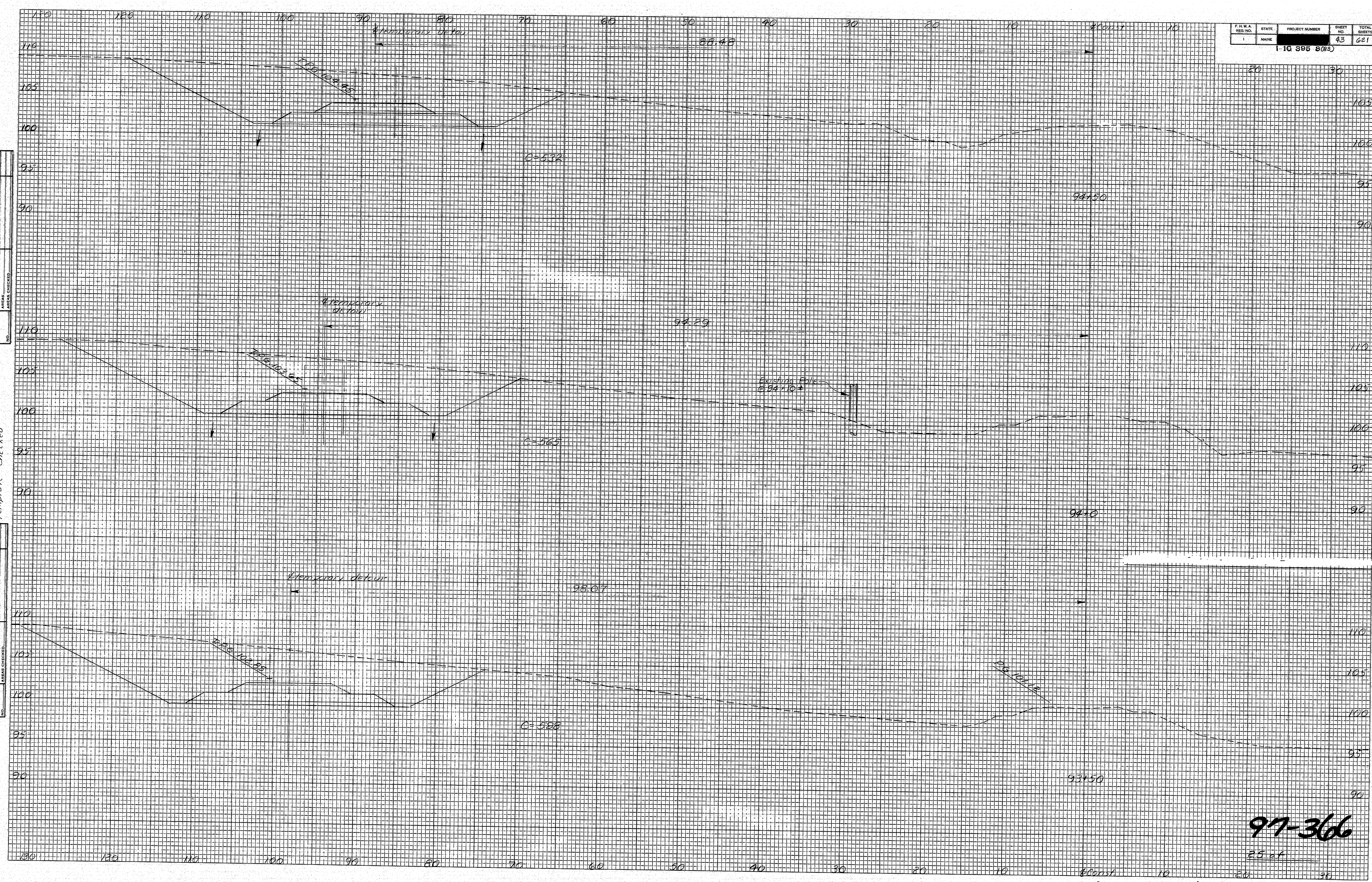
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DATE	BY
FINAL SURVEY	DATE CHECKED
PROJECT NO.	DATE
PROJECT NAME	DATE

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 Survey Checked - 4/10/02
 Template Plotted - 4/10/02
 Template Checked - 4/10/02

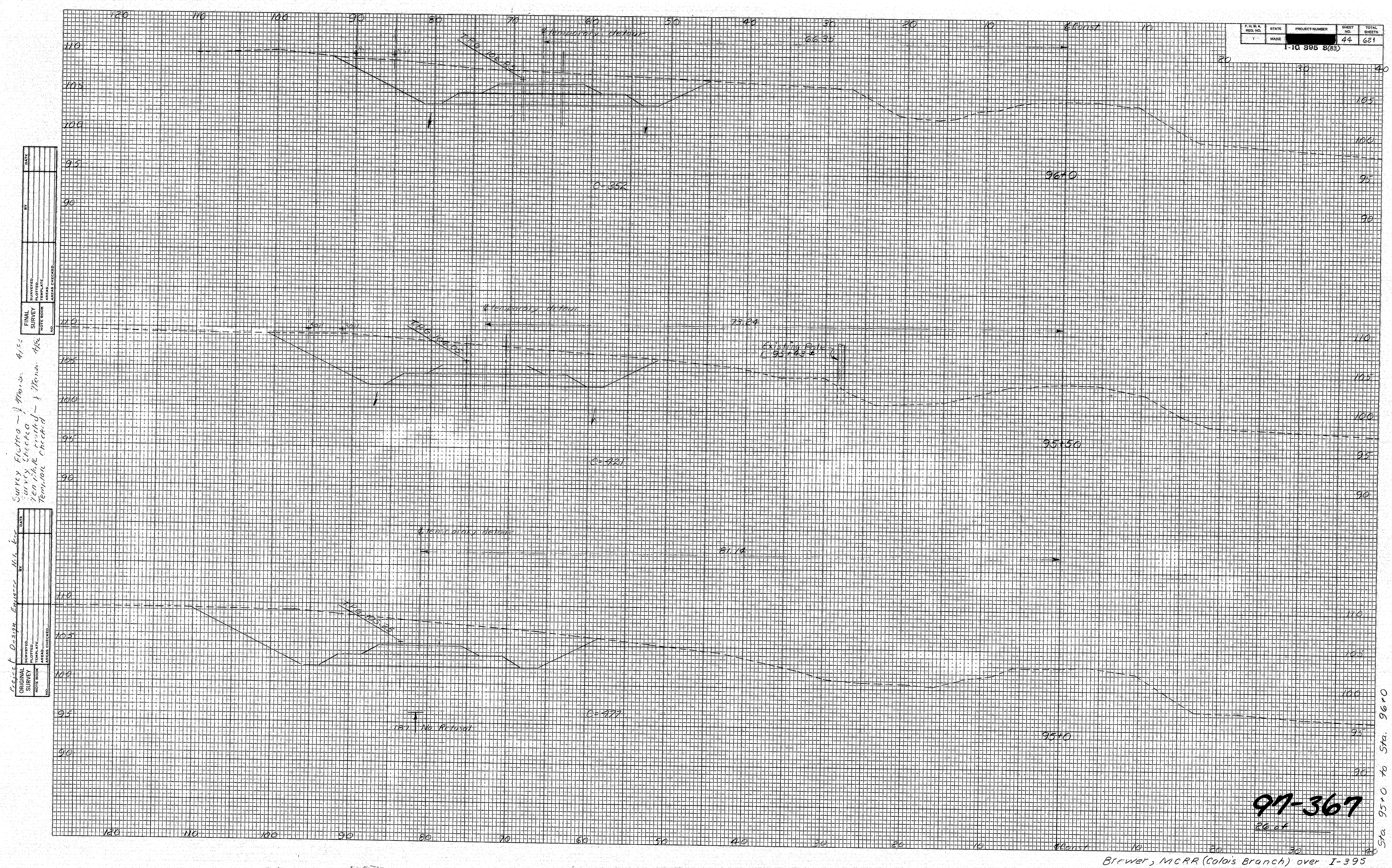
DATE	BY
FINAL SURVEY	DATE CHECKED
PROJECT NO.	DATE
PROJECT NAME	DATE

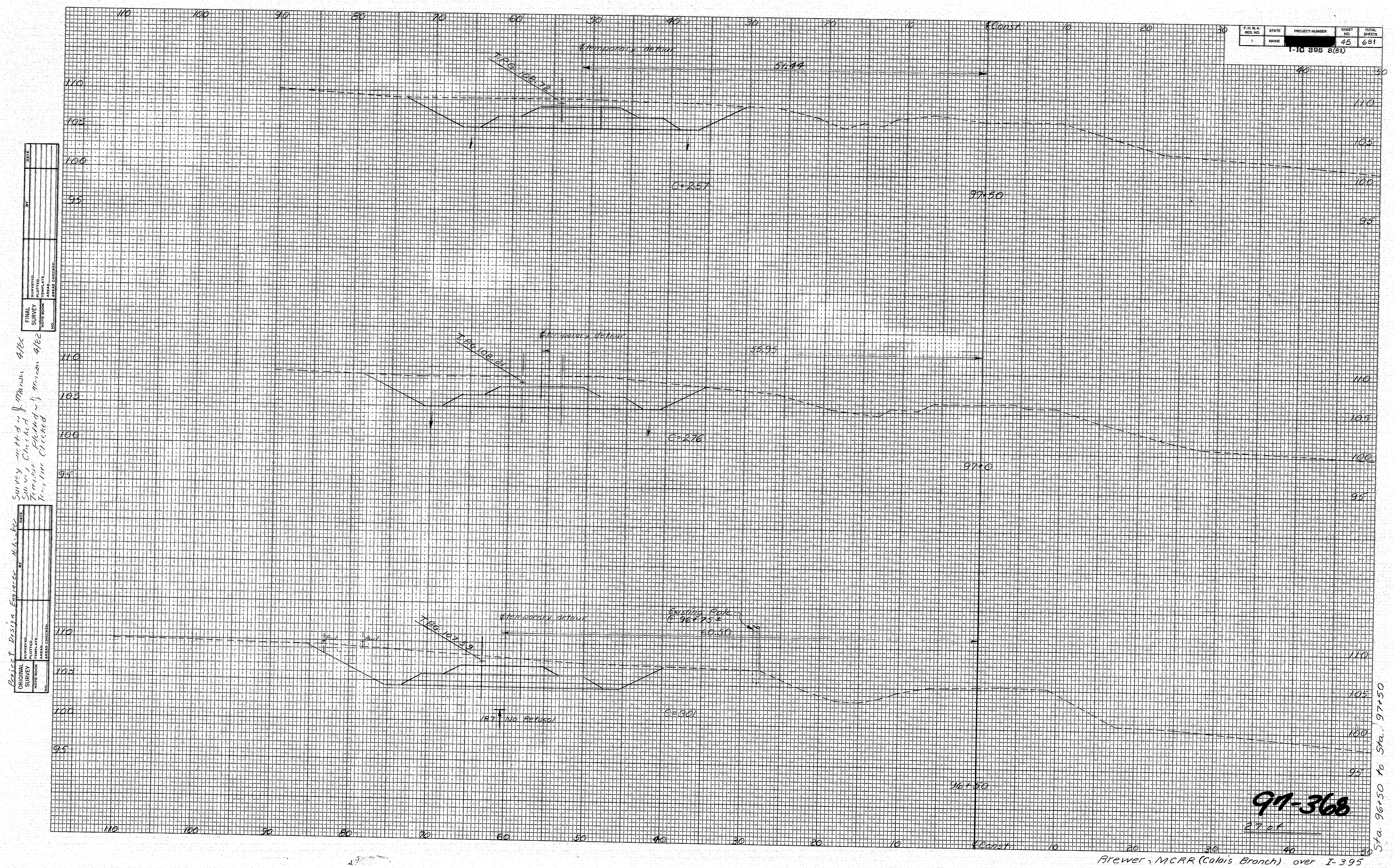


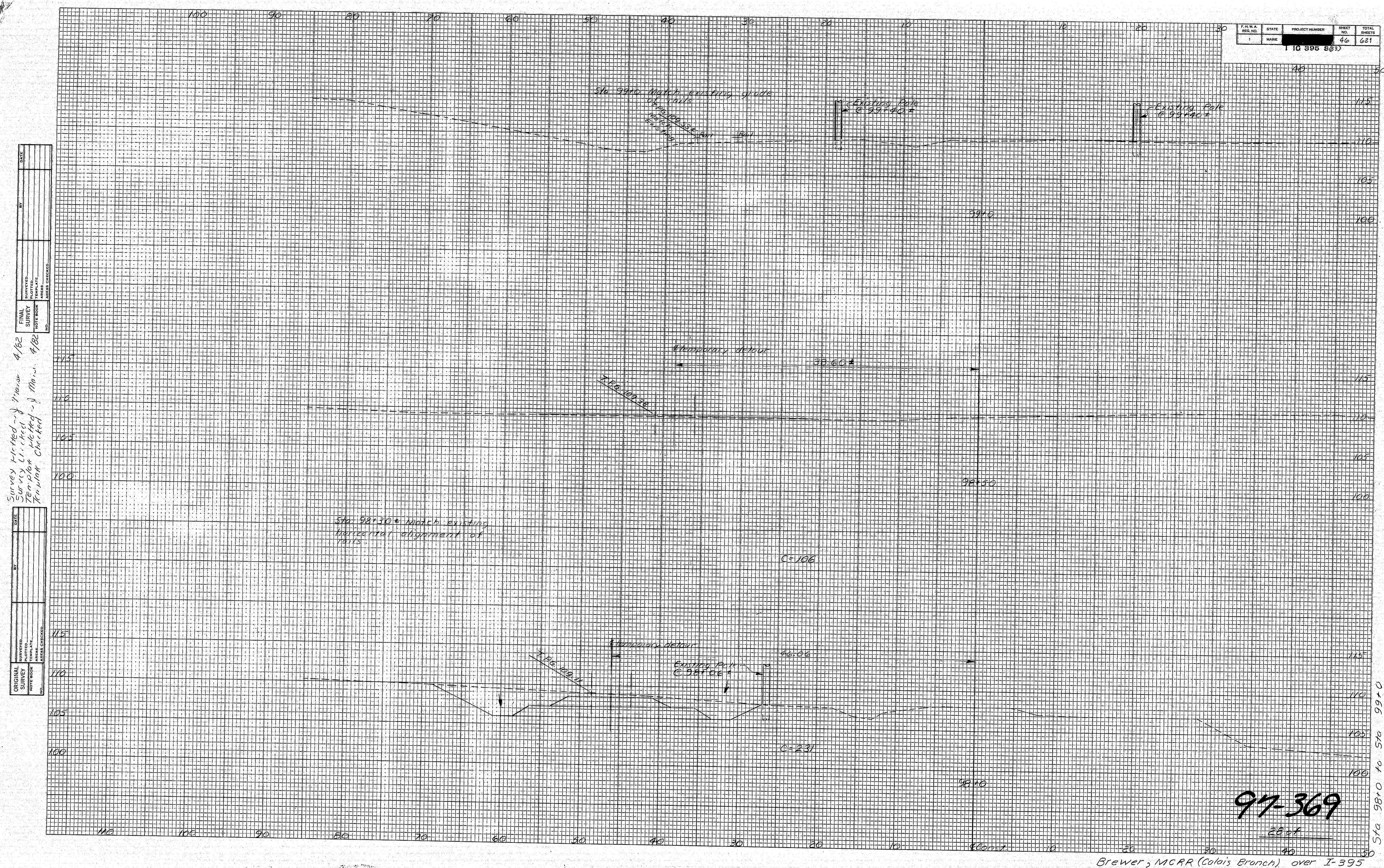
F. H. W. A.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-10 395 8(83)	43	681

97-366

Brewer, ME (Colin Brun. 1) over I-395







Brewer, MCRR (Colais Branch) over I-395

