

MAINE STATE HIGHWAY COMMISSION

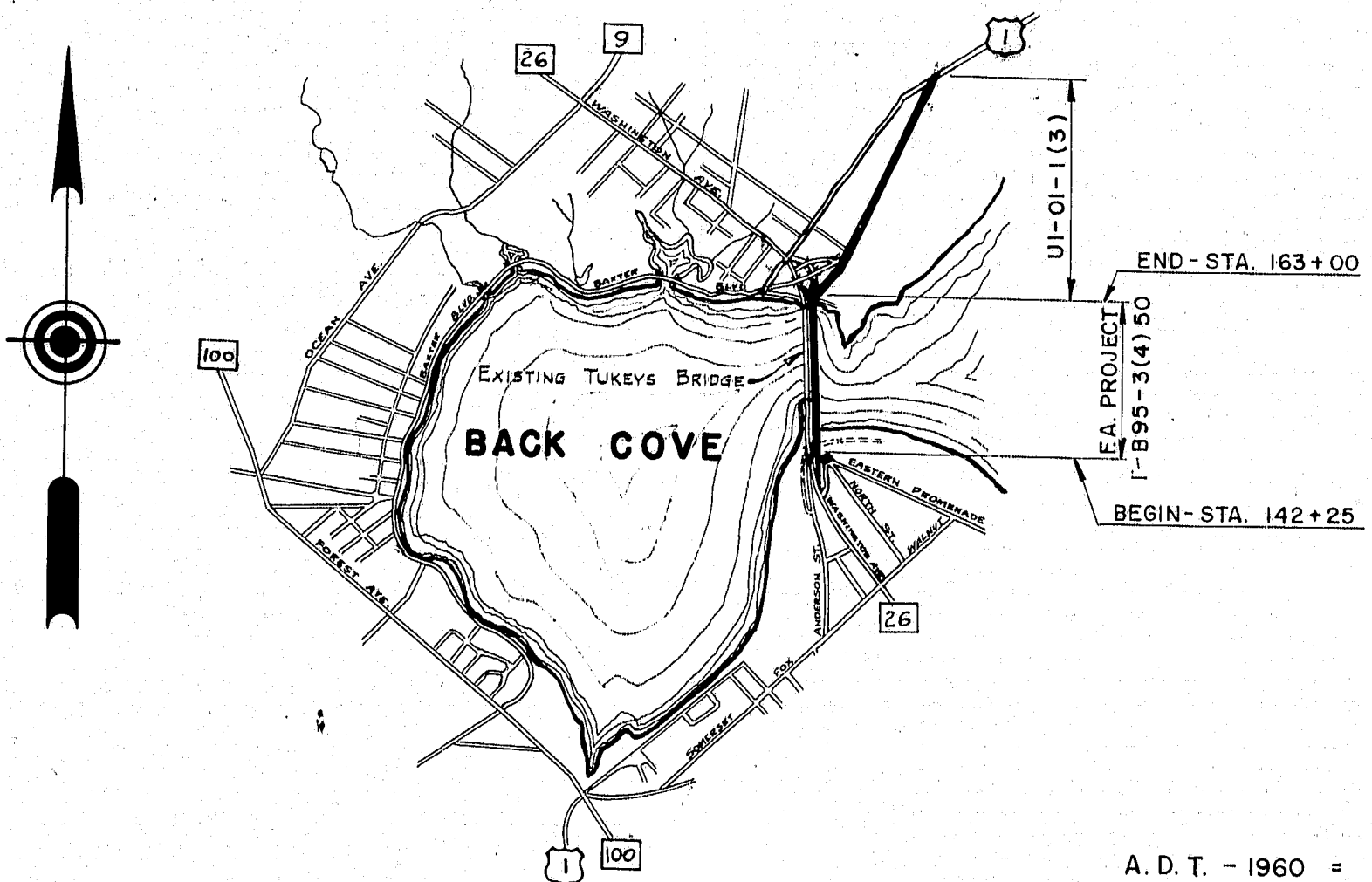
S.P.R. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-B 95-3(4) 50	1	126

INDEX OF SHEETS

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- 2. STANDARD DETAILS, CATCH BASINS, MANHOLES, ETC.
- 3. STANDARD DETAILS, GUARD RAIL AND FITTINGS, ETC.
- 4. STANDARD DETAILS, MISCELLANEOUS ITEMS
- 5. SOILS PROFILES, OVERPASS NO. 1
- 6. SOILS PROFILES, OVERPASS NO. 2-SOUTH APPROACH
- 7. SOILS PROFILES, TUKEYS BRIDGE - SOUTHBOUND LANE
- 8. SOILS PROFILES, TUKEYS BRIDGE - NORTHBOUND LANE
- 9. SOILS PROFILES, NORTH APPROACH AND PEDESTRIAN OVERPASS
- 10. SOILS PROFILES, TRANSVERSE SECTIONS STA. 152 + 0, 157 + 0, 160 + 0
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- 19. GENERAL PLAN AND ELEVATION, SCALE 1" = 100'
- 20 thru 26 SURVEY, SCALE 1" = 30'
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- 33 thru 38 GRADING PLAN
- 39. TYPICAL SECTIONS, EASTERN PROMENADE, PLAN OF CIRCLE
- 40. TYPICAL SECTIONS, WASHINGTON AVENUE-NORTHBOUND
- 41. TYPICAL SECTIONS, EAST COMMERCIAL ST., MARGINAL WAY, INTERSTATE NORTHBOUND
- 42. TYPICAL SECTIONS, MARGINAL WAY AND INTERSTATE SOUTHBOUND
- 43. TYPICAL SECTIONS, TUKEY ST. AND WASHINGTON AVE. SOUTHBOUND
- 44. TYPICAL SECTIONS, INTERSTATE AND BAXTER BOULEVARD SOUTHBOUND
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- 59. DRAINAGE PROFILES, NORTH STREET SANITARY SEWER EXTENSION
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- 68. TUKEYS BRIDGE, PILE PLAN AND DETAILS ABUTMENT
- 69. TUKEYS BRIDGE, PIER DETAILS
- 70, 71. TUKEYS BRIDGE, SLAB DETAILS
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- 73. INSIDE SIDEWALK RAIL - APPROACHES



TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
FEDERAL AID PROJECT NO. I-B95-3(4)50
LENGTH OF PROJECT 0.393 MILE



LOCATION MAP

SCALE IN MILES

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- 94. OVERPASS NO. 1, SUPERSTRUCTURE SLAB LAYOUT
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- 97. OVERPASS NO. 1, SPAN NO. 2, SUPERSTRUCTURE SLAB
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- 99. OVERPASS NO. 1, APPROACH SLABS
- 100. OVERPASS NO. 1, STEEL DETAILS
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- 119. CONCRETE MEDIAN WALL, MEDIAN WALL RAIL
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- 123, 124, 125 REINFORCING STEEL
- 126 thru 166 CROSS SECTIONS

DESIGN SPECIFICATIONS

A.A.S.H.O. STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES 1953.

LOADING

TUKEYS BRIDGE: H20-S16-44, AS MODIFIED FOR INTERSTATE HIGHWAYS.
OVERPASS NO. 1 & 2: H20-S16-44

CONTRACT SPECIFICATIONS

STATE OF MAINE, STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS, REVISION OF JAN. 1956, EXCEPT AS MODIFIED ON THESE PLANS AND IN THE SUPPLEMENTAL SPECIFICATIONS.

CONCRETE CLASSIFICATION

CLASSIFICATION OF PORTLAND CEMENT CONCRETE IN PIER FOOTINGS OF TUKEYS BRIDGE TO BE AS PROVIDED FOR IN THE SUPPLEMENTAL SPECIFICATIONS.

CLASS Y - PEDESTRIAN OVERPASS GRID FLOOR - & CAST IN PLACE CONCRETE PILES.

CLASS A - ALL OTHER CONCRETE.

A.D.T. - 1960	=	33,360
A.D.T. - 1980	=	45,495
D.H.V.	=	6,824
D.	=	55%
T.	=	9%
V.	=	50 mph.

APPROVED: MAINE STATE HIGHWAY COMMISSION

David H. Hume
CHAIRMAN

Clarence S. Cook

Chapman
ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION I

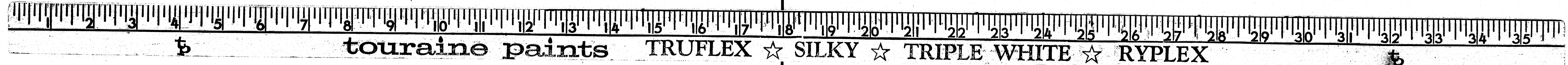
APPROVED:

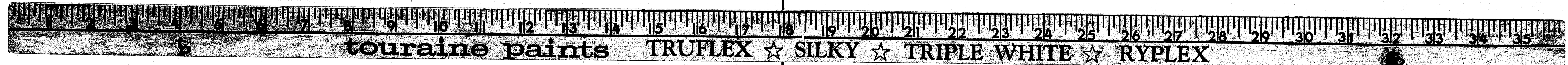
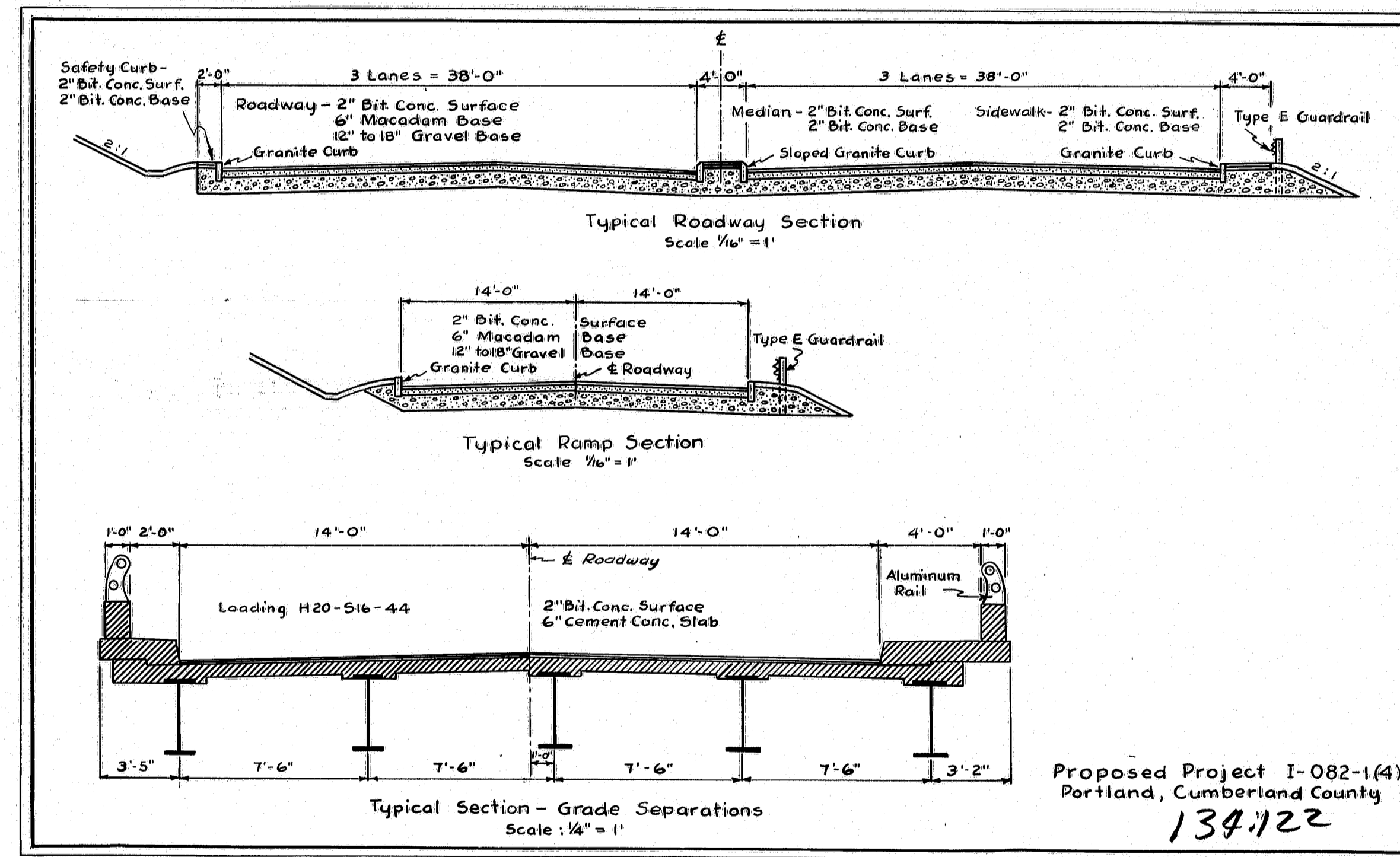
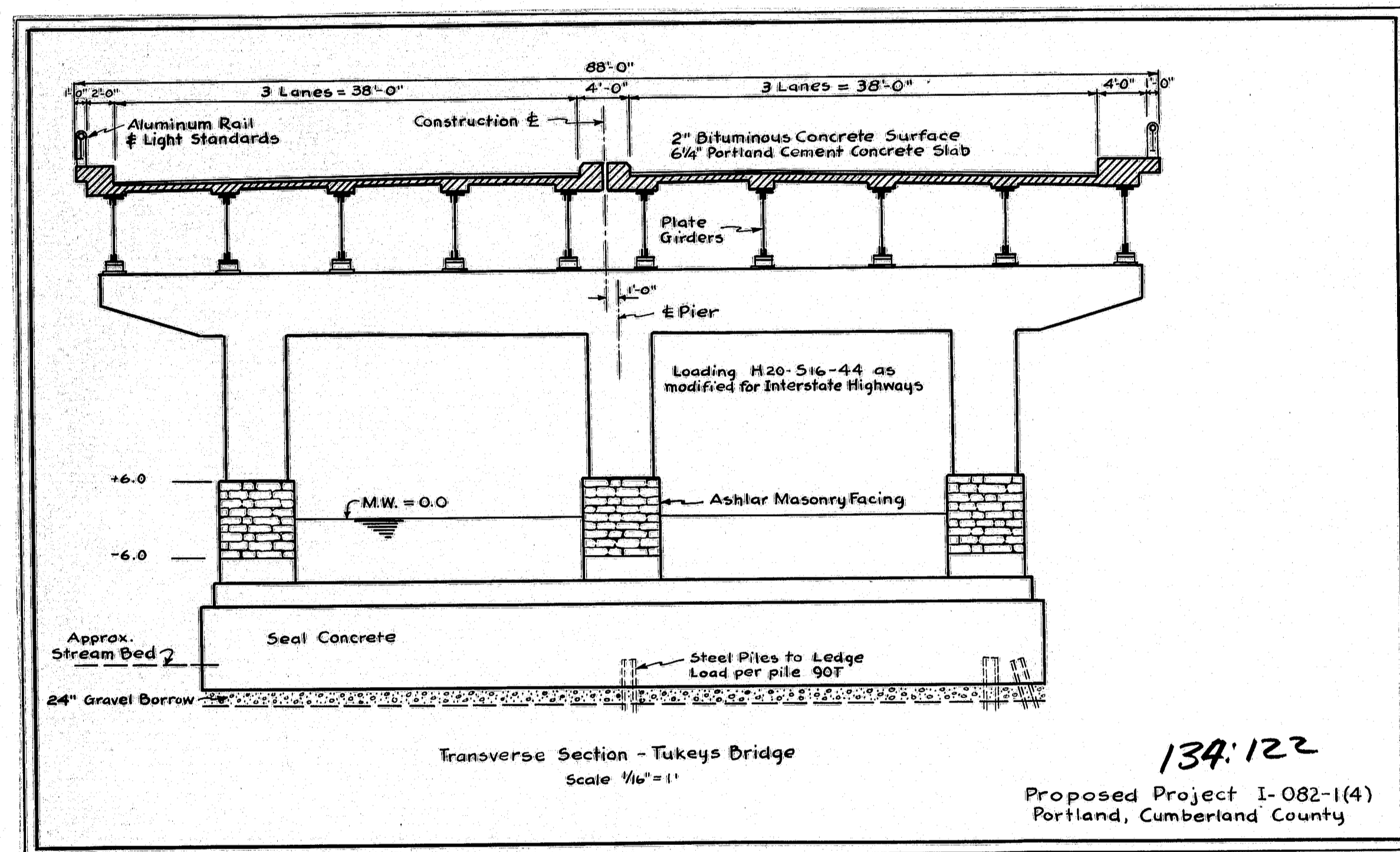
R.D. Hunter
DIVISION ENGINEER

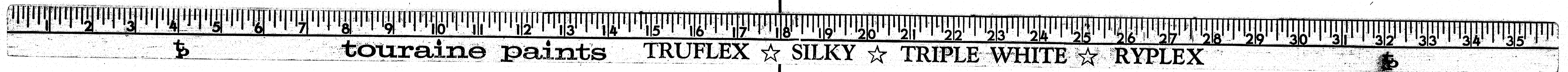
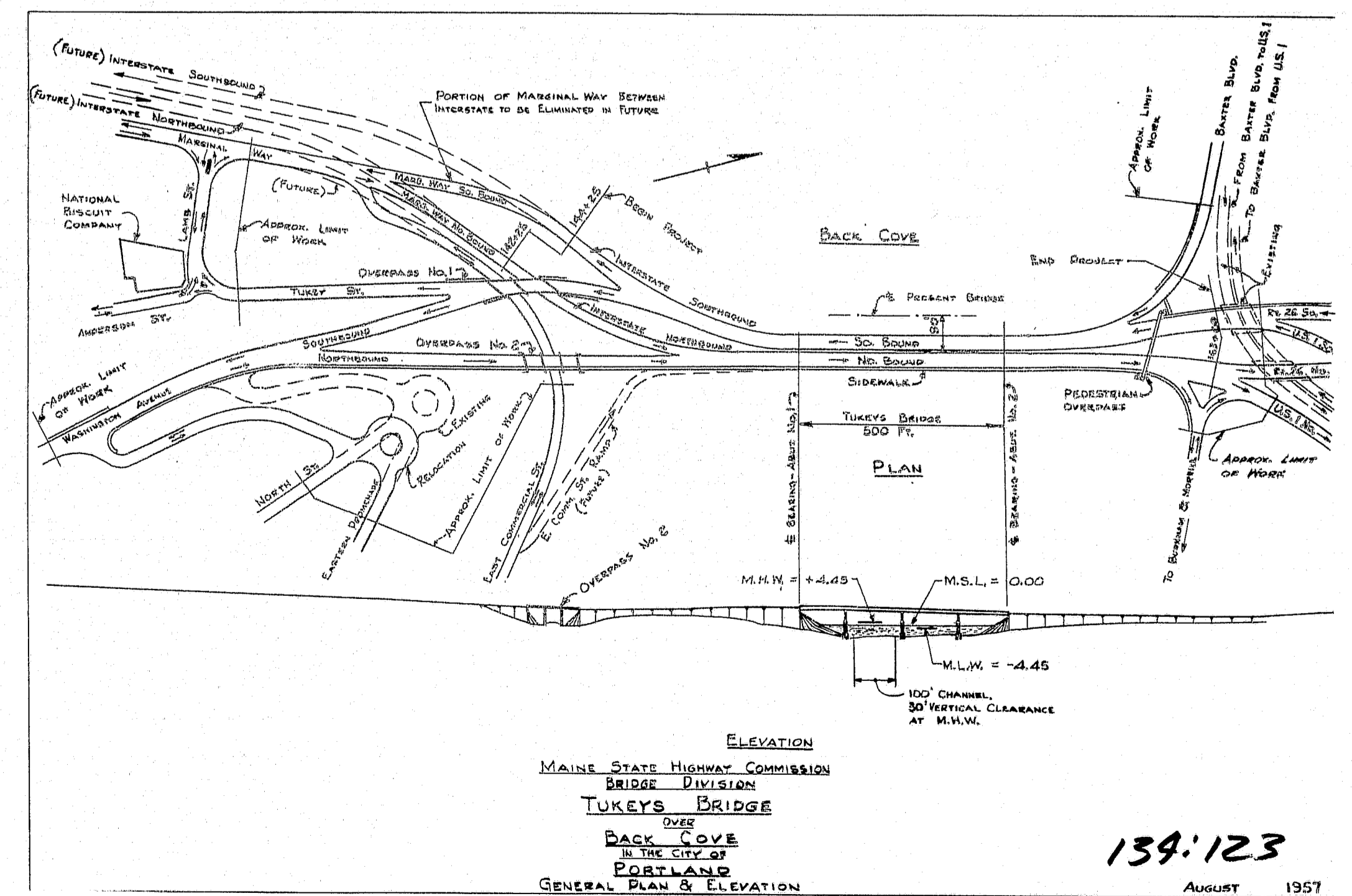
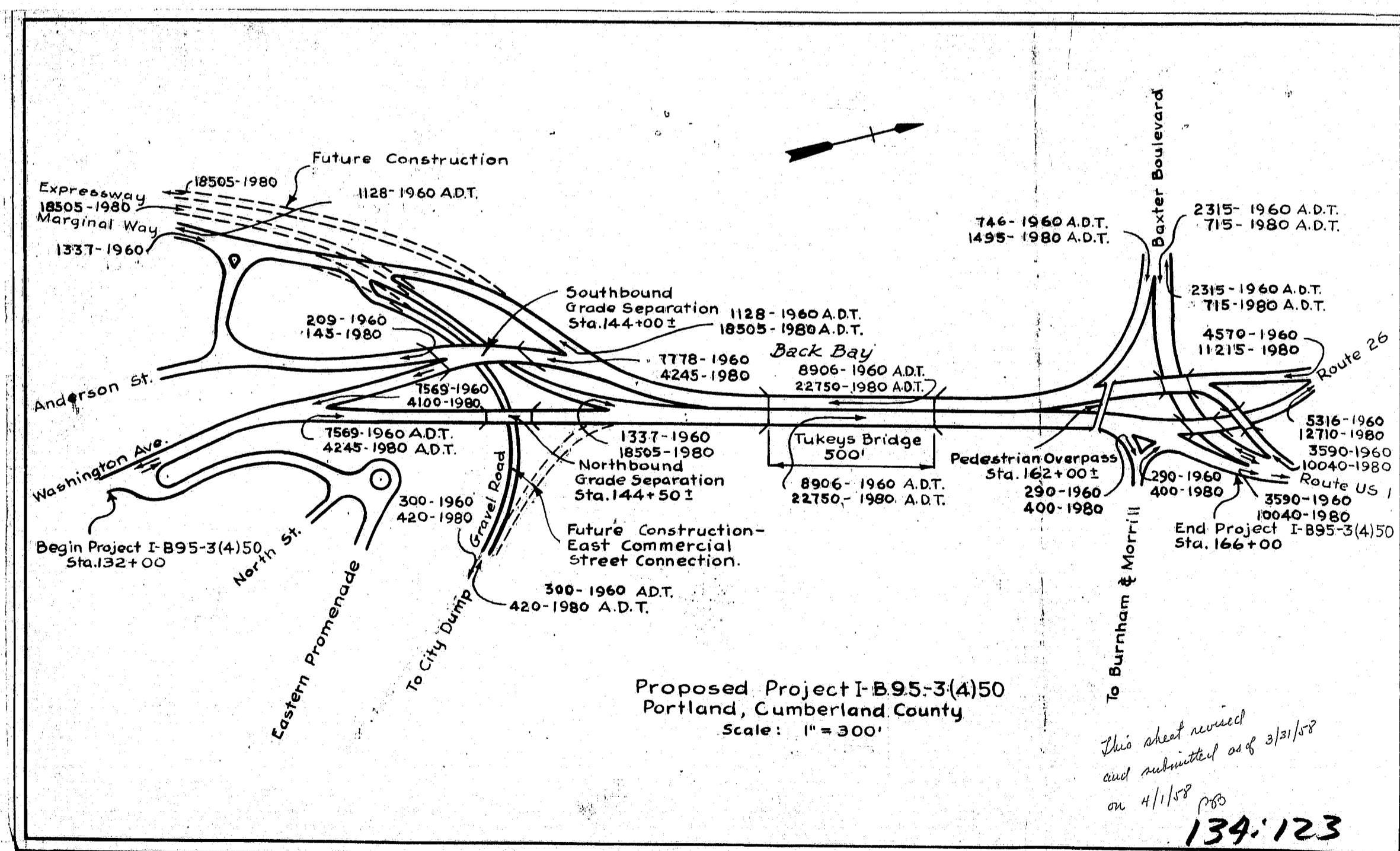
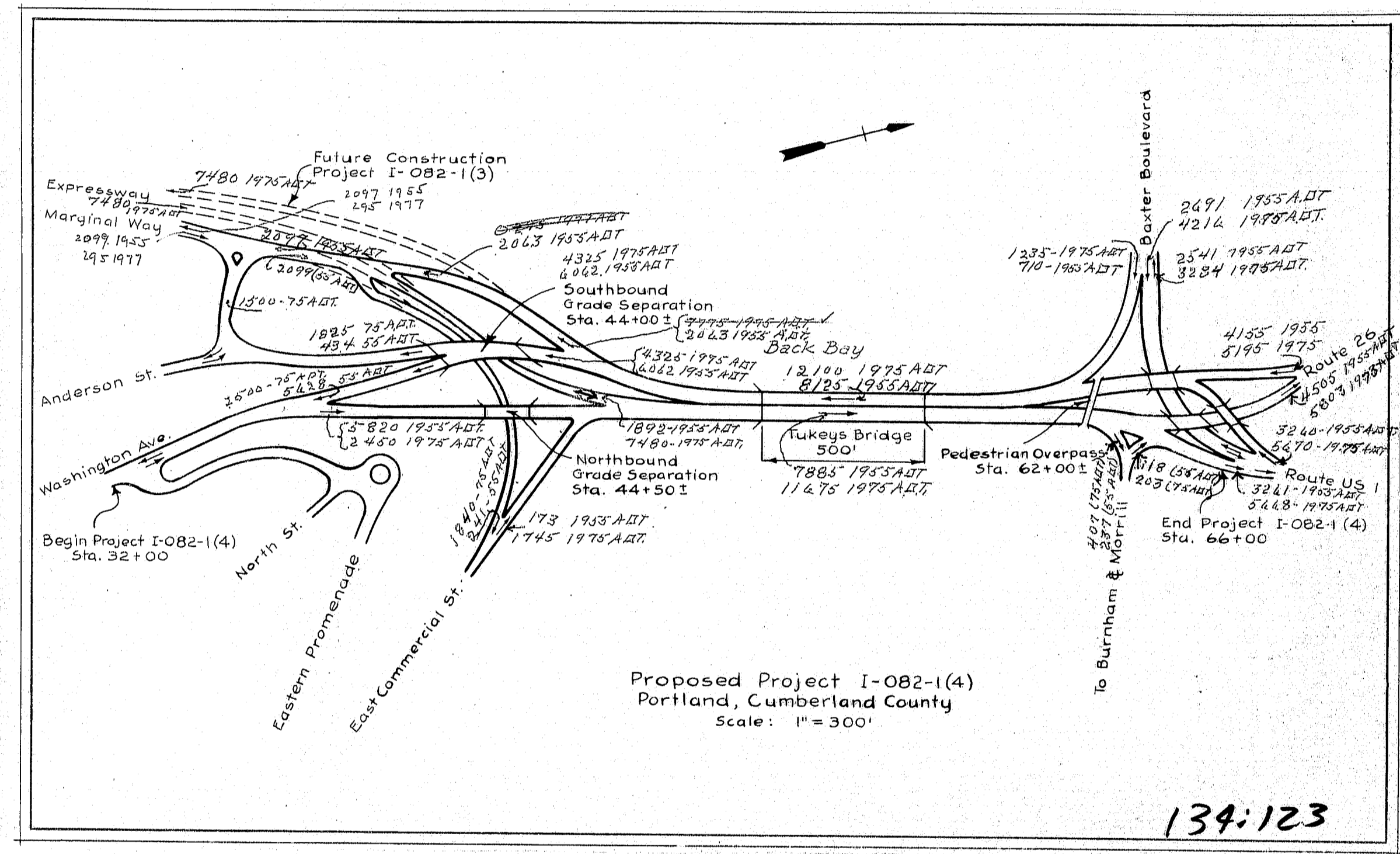
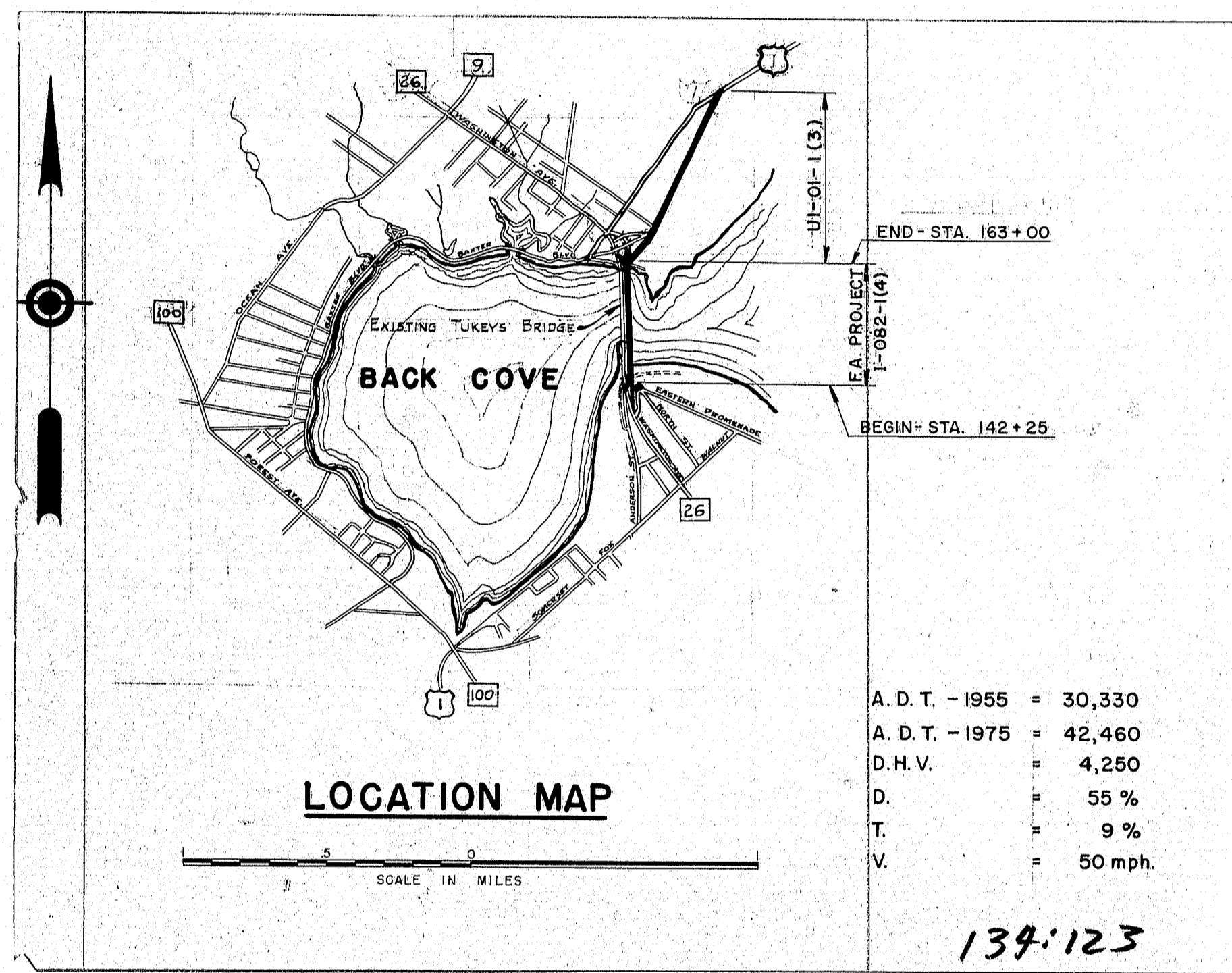
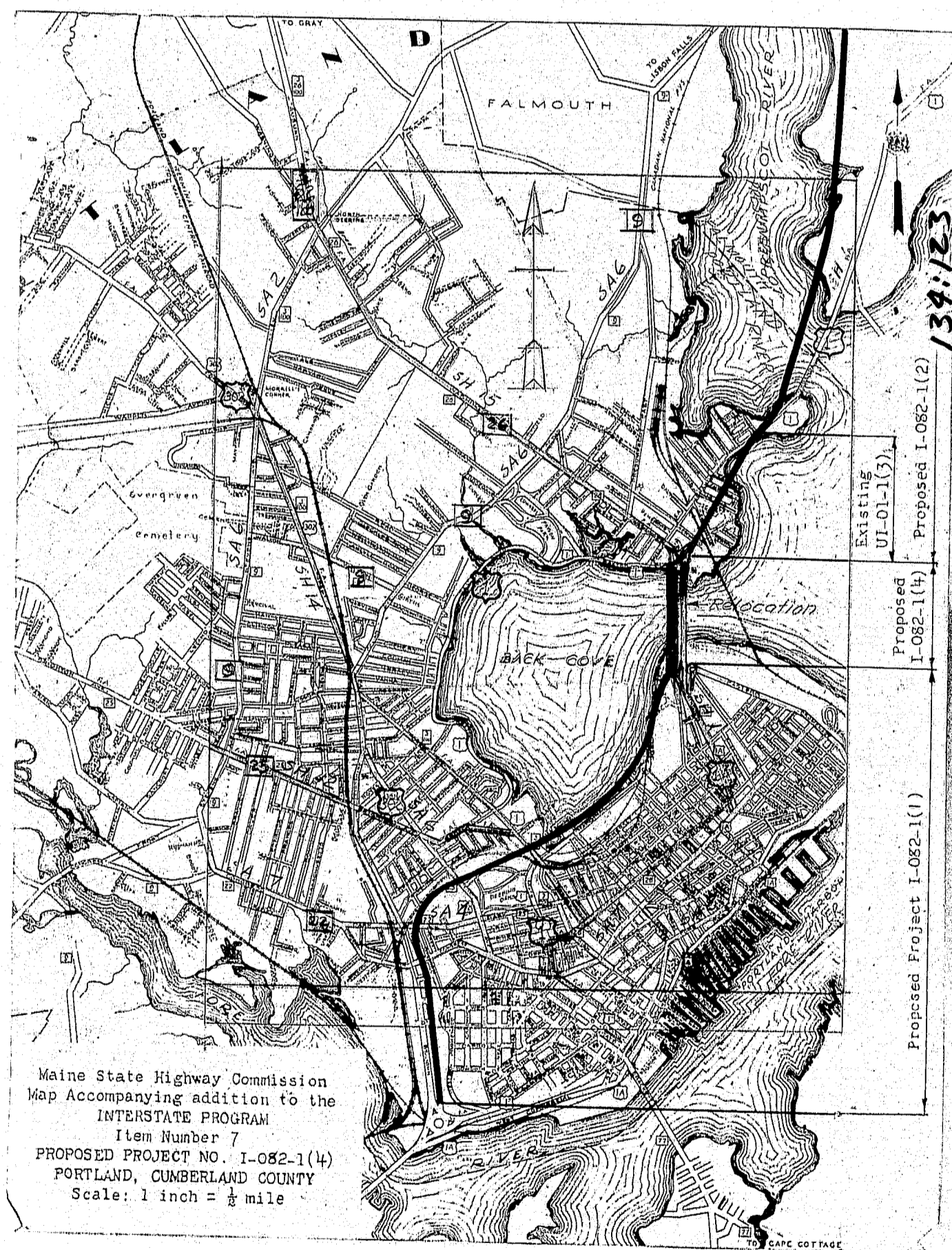
APR 8 1958

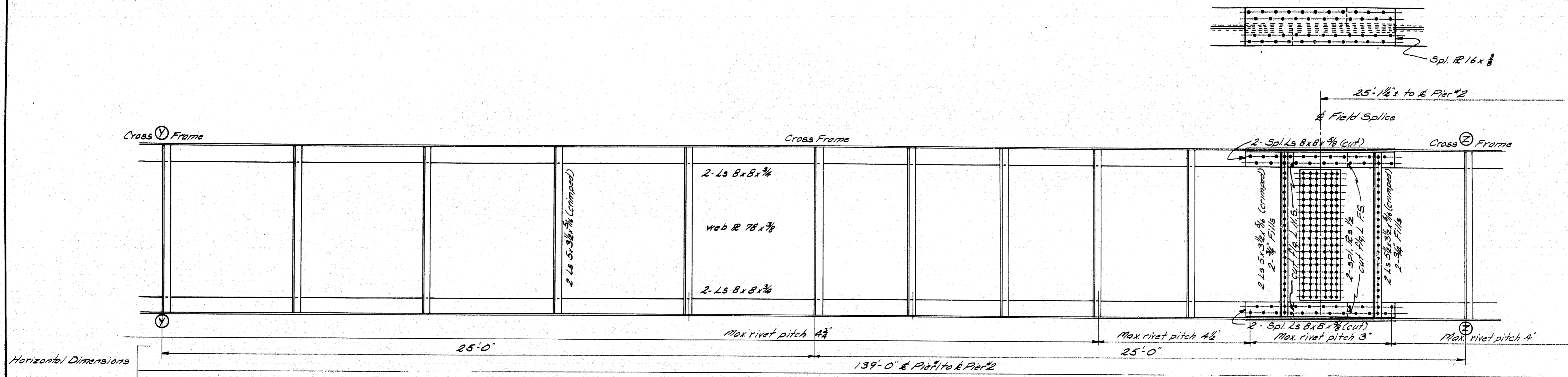
DATE

134-121



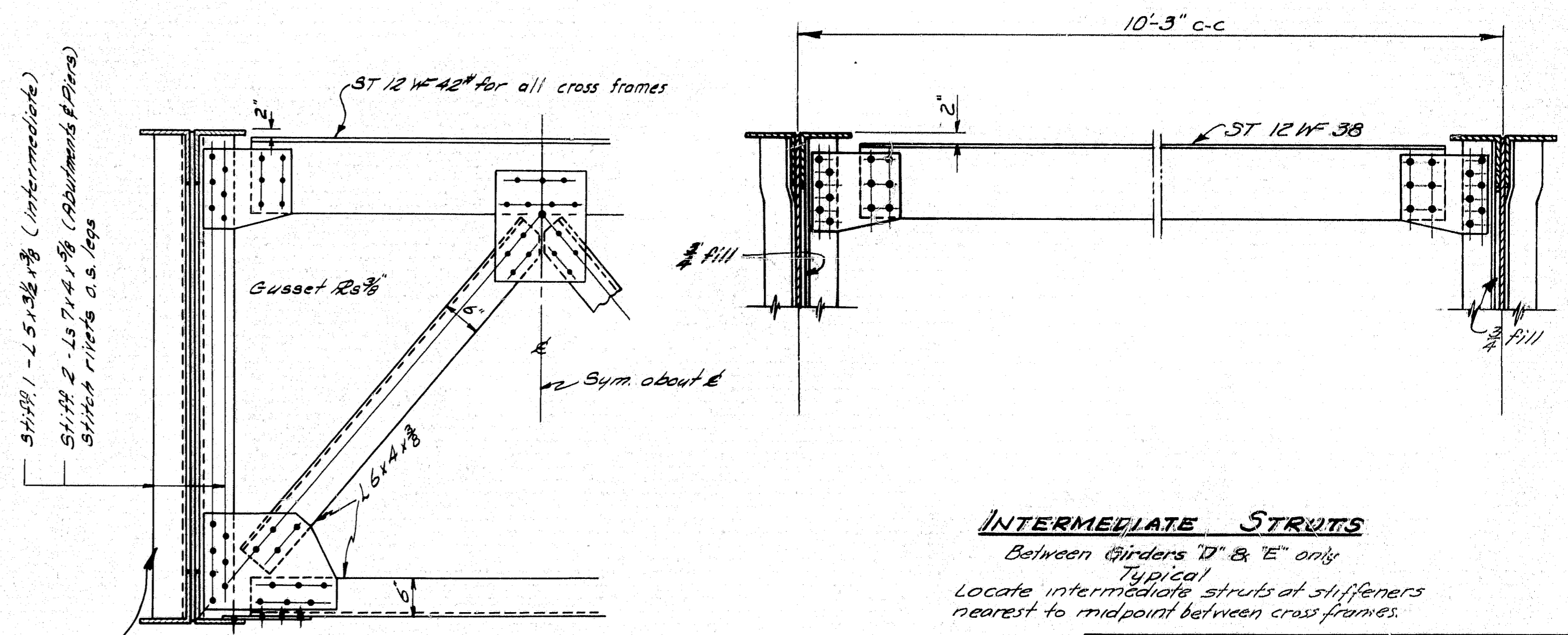
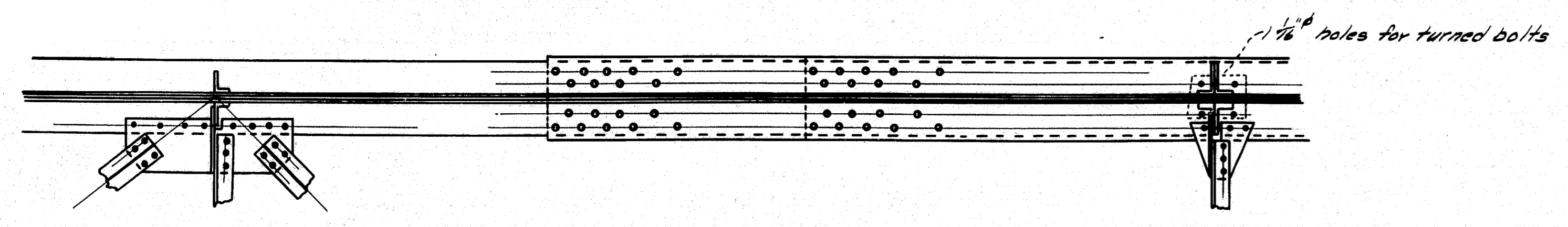
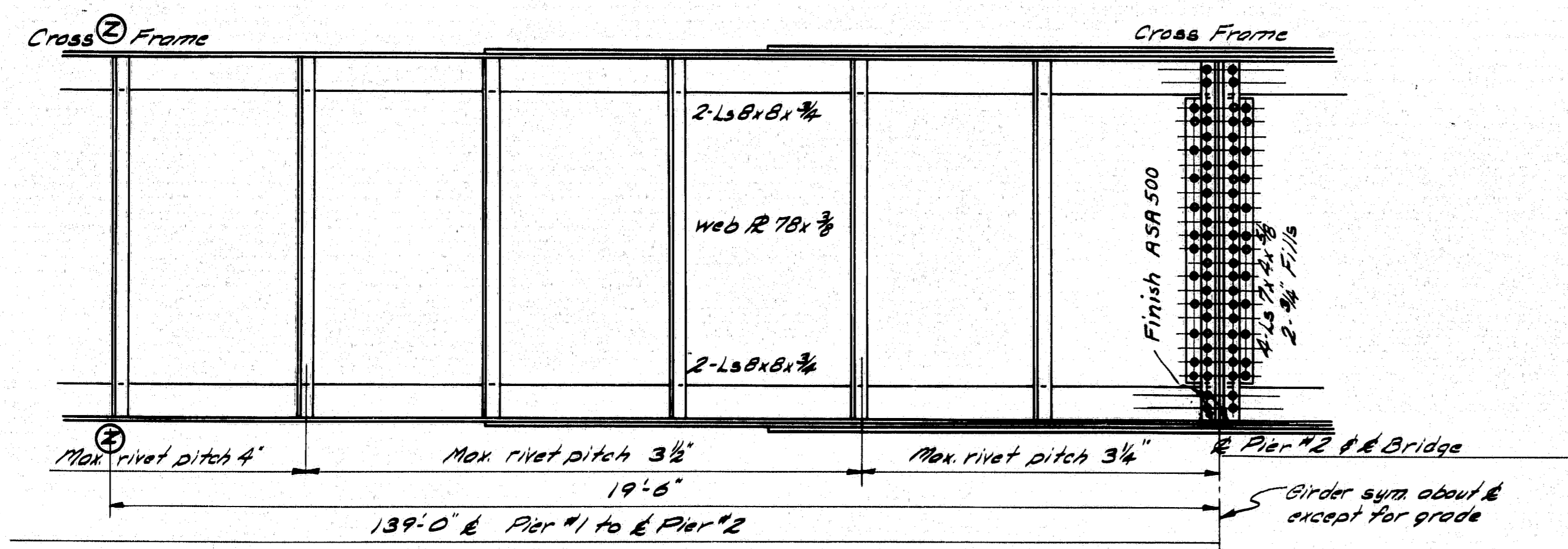
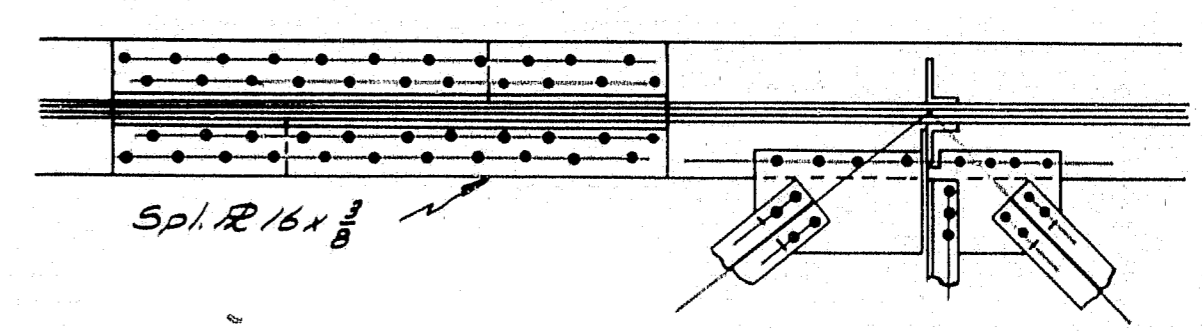
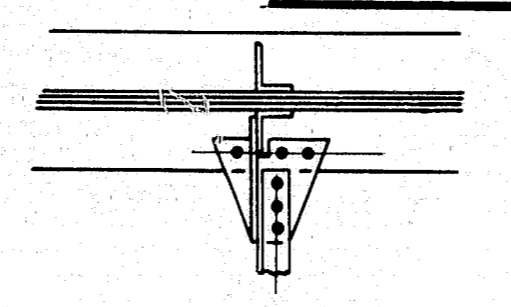
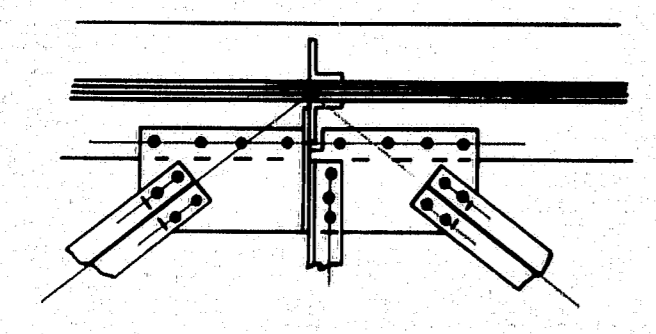






Horizontal Dimensions

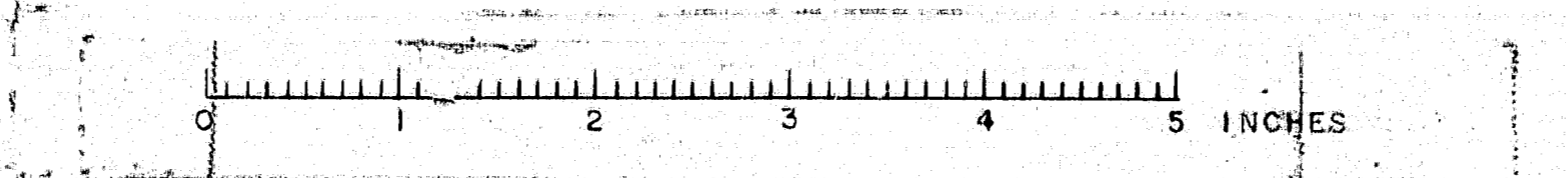
GIRDERS A (continued)

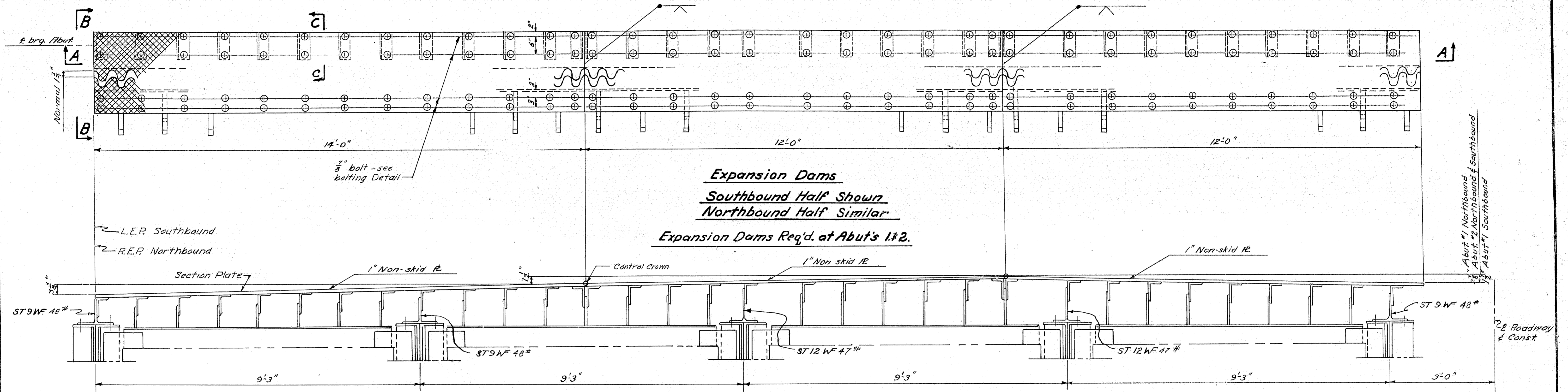


CROSS FRAME TYPICAL

INTERMEDIATE STRUTS
Between Girders 'D' & 'E' only
Typical
Locate intermediate struts at stiffeners nearest to midpoint between cross frames.

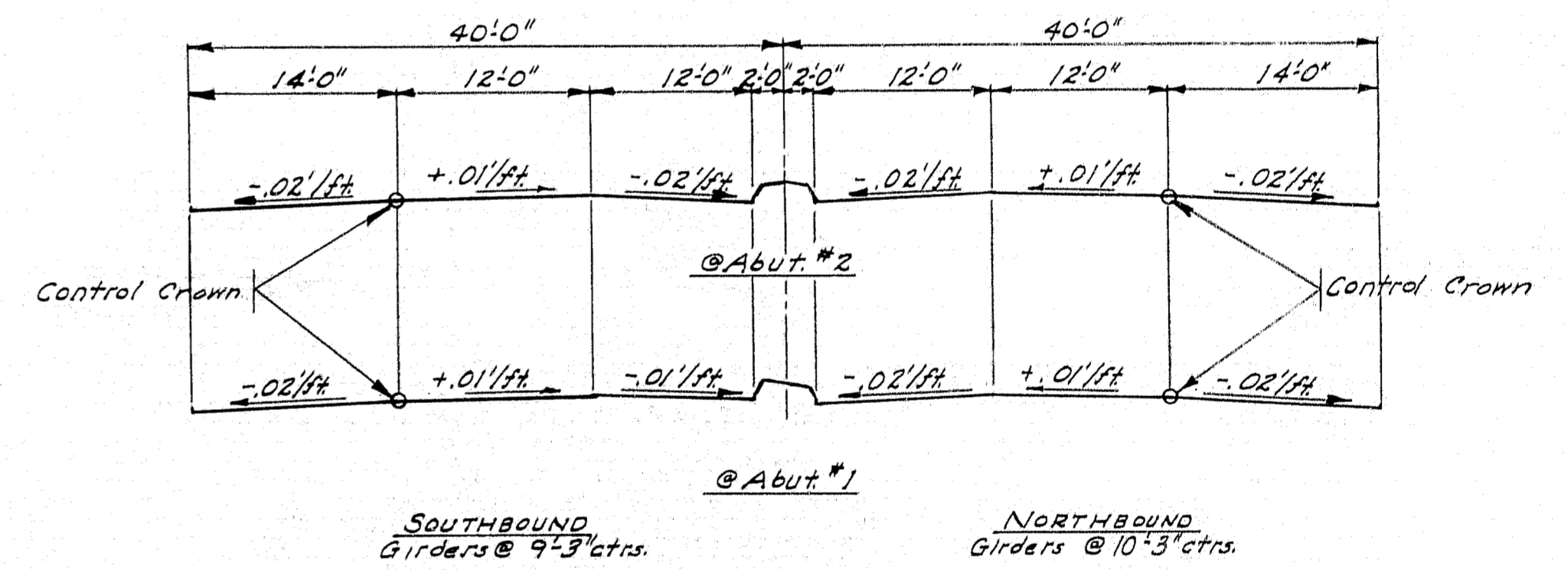
DESIGN - RISSEL	CHECK - E.
DETAIL - WHITE	BRIDGE -
TRACE - BACHELDER	BRIDGE -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEY'S BRIDGE OVER BACK COVE IN THE CITY OF PORTLAND CUMBERLAND COUNTY	
TUKEY'S BRIDGE STEEL DETAILS	
SHEET 79 OF 166 AUGUSTA, MAINE	OCT. 1957



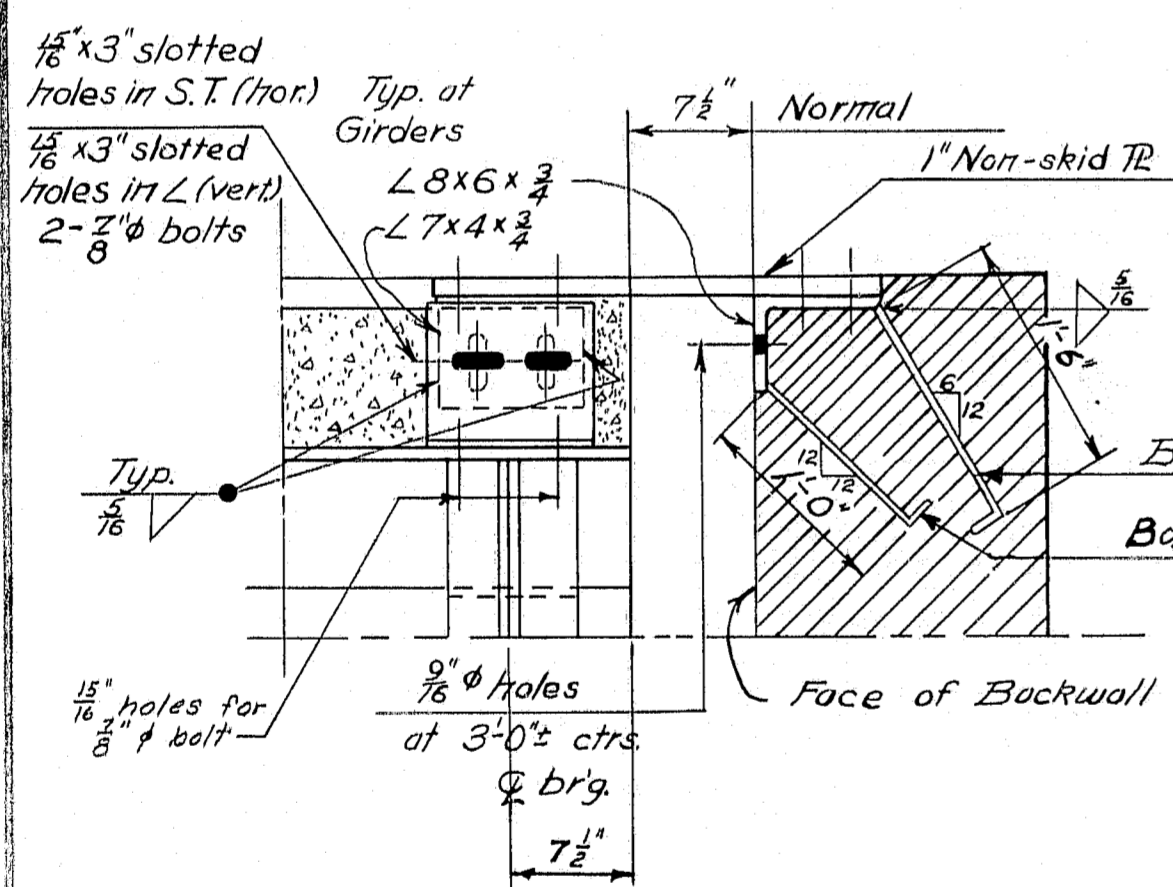


Note: At R.E.P. Northbound
 ST 9 WF 48* to rest on top
 member of cross frame.

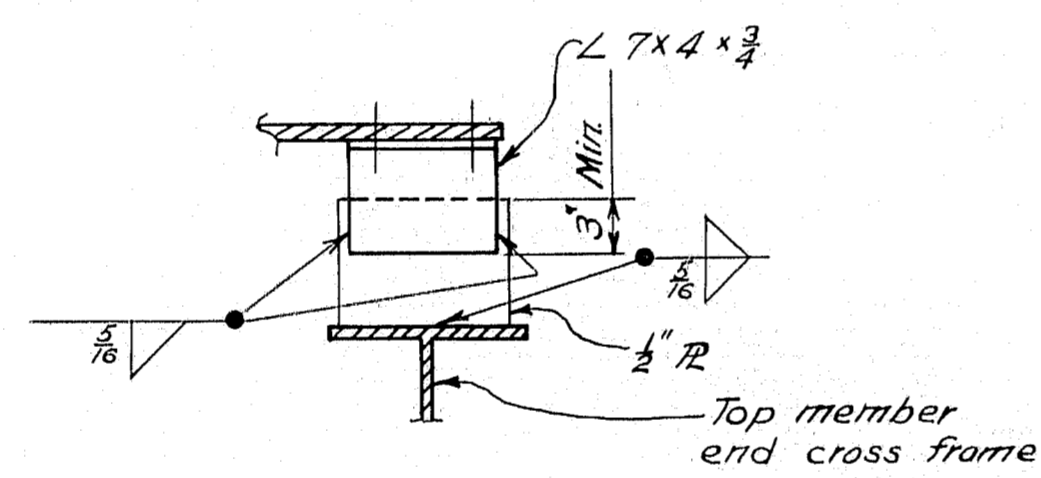
Section A-A.



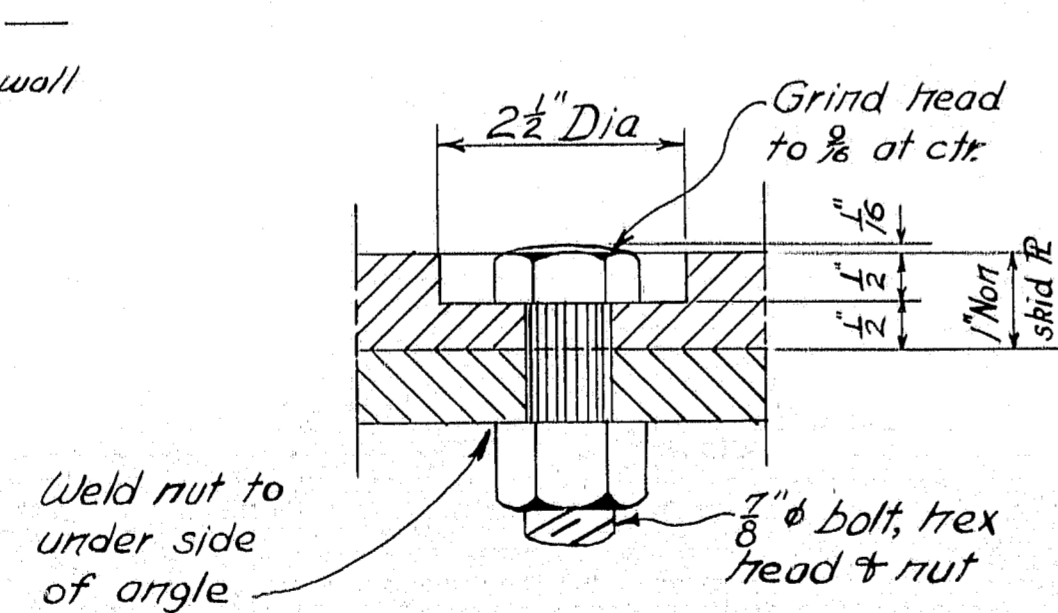
GENERAL TRANSVERSE SECTIONS



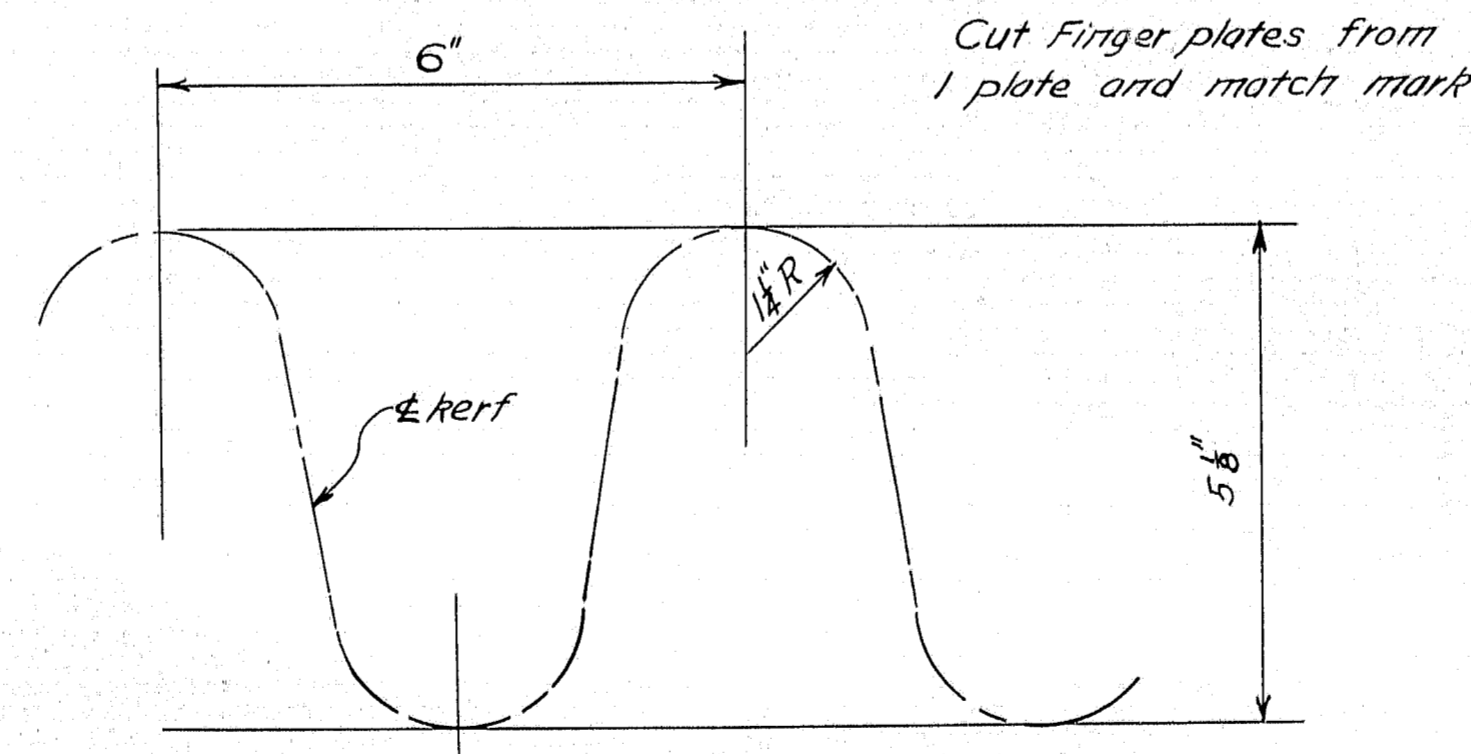
VIEW B-B



SECTION C-C
 Typical at intermediate points

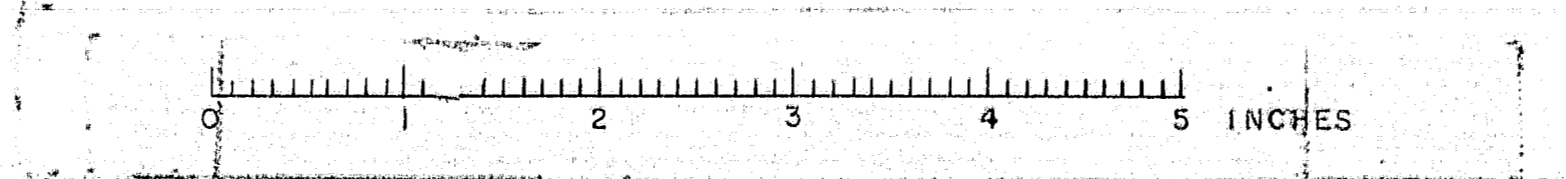


BOLTING DETAIL
 For 1" Non-skid IR's



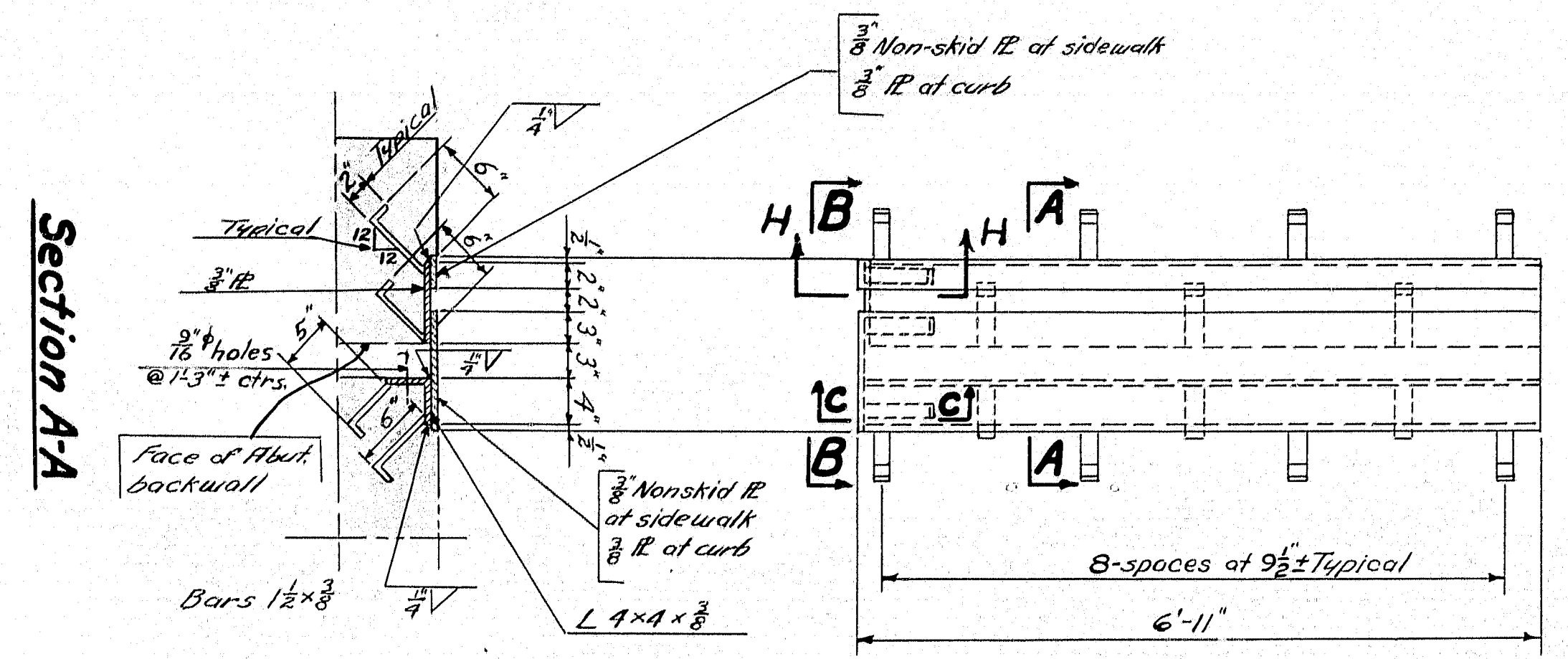
FINGER CUTTING
 DETAIL

DESIGN - RISSELL, Detail Editor
 TRACE - WELCH
 CHECK - J.C.
 BRIDGE NO. SURVEY - PLOT -
 STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
 TUKEYS BRIDGE
 EXPANSION DAMS
 SHEET 80 OF 166 AUGUSTA, MAINE OCT. 1957

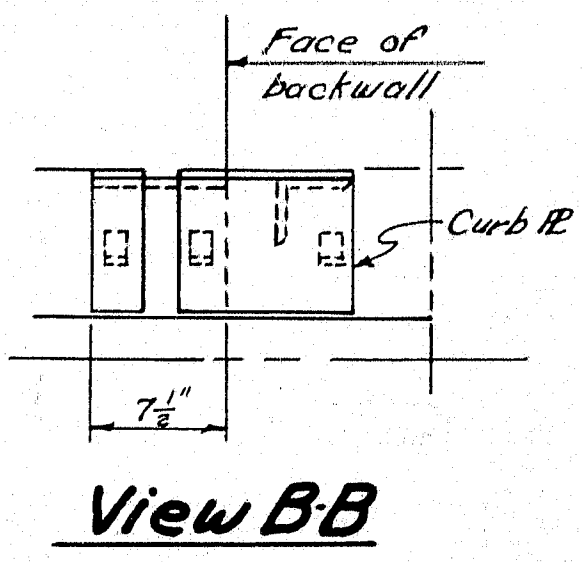


B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-100-1-100	81	100

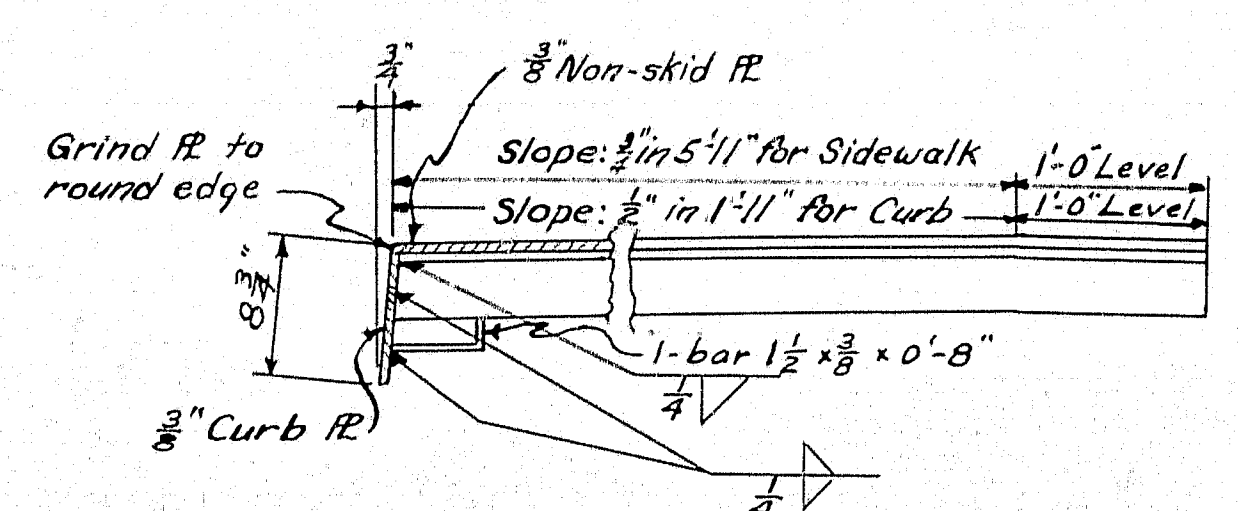
1-B95-3(4) 50



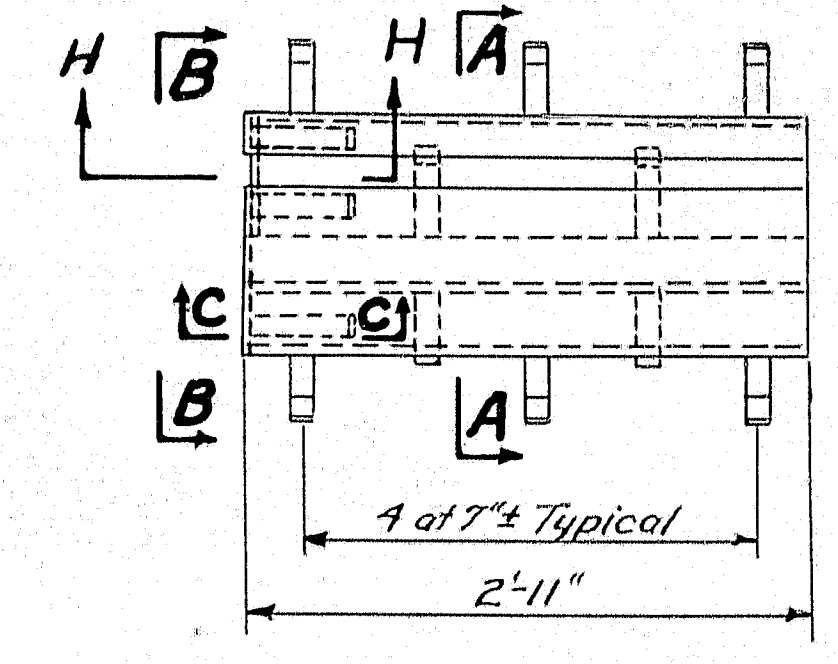
Expansion Dam Sidewalk



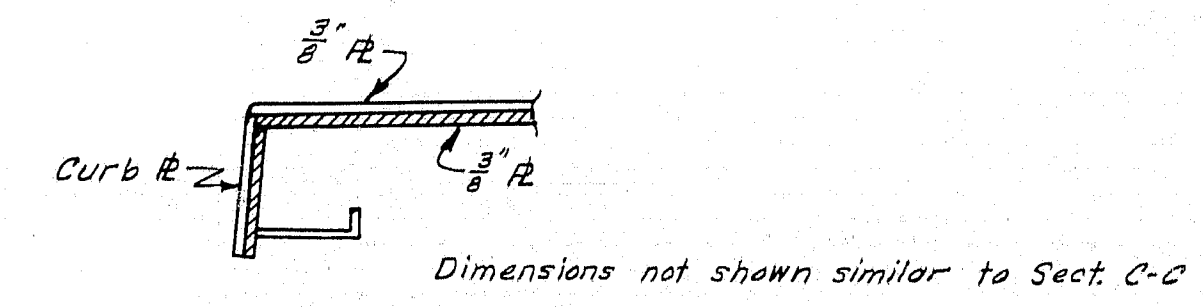
View BB



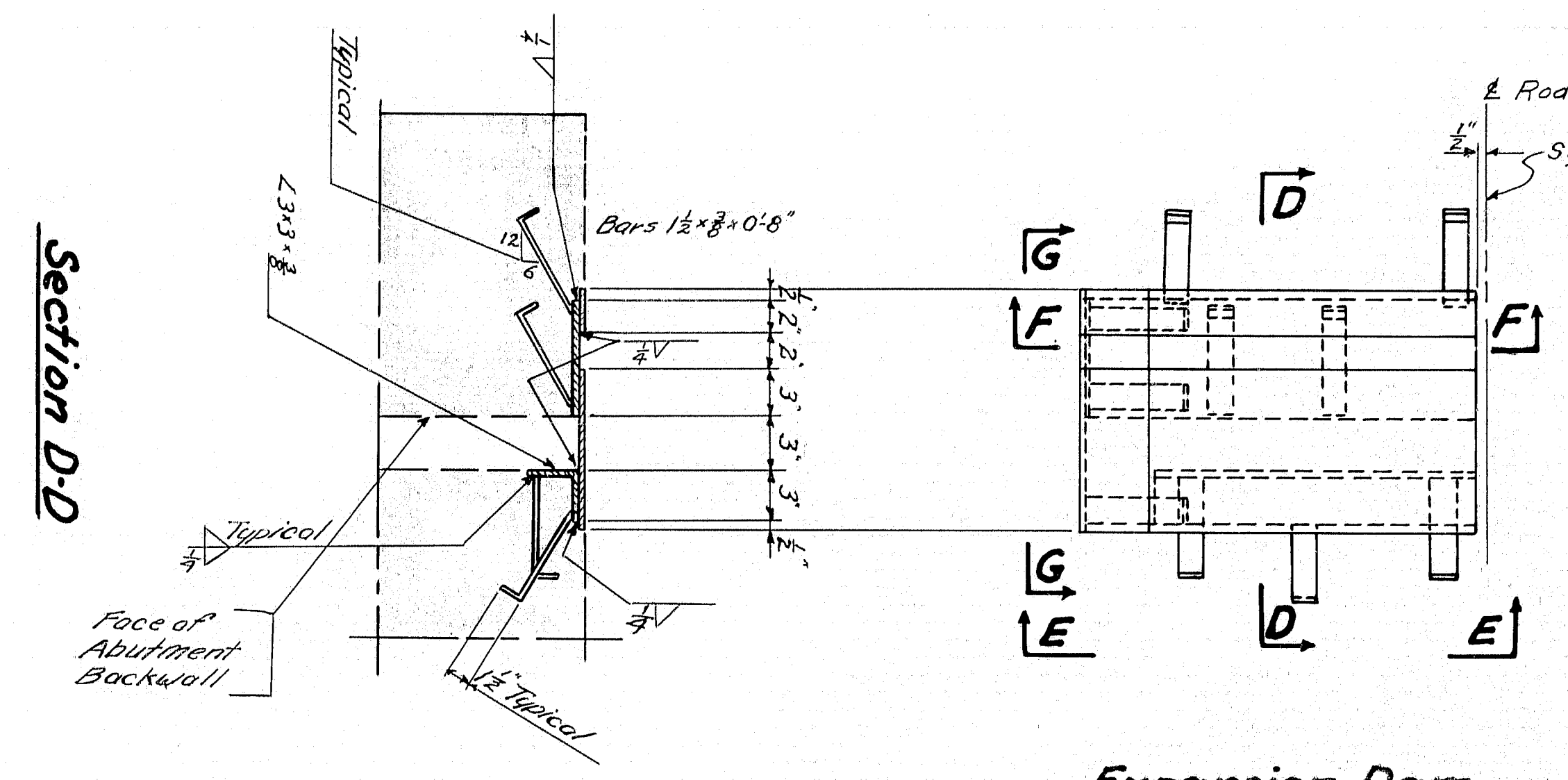
Section C-C



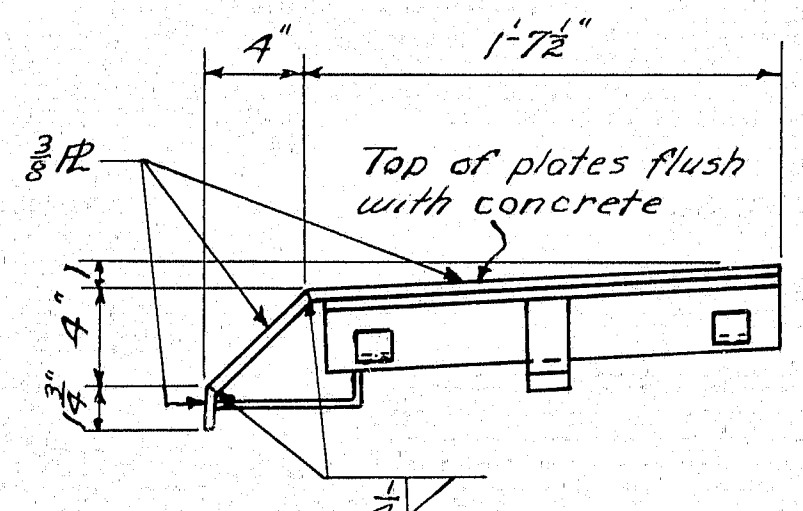
Curb Expansion Dam



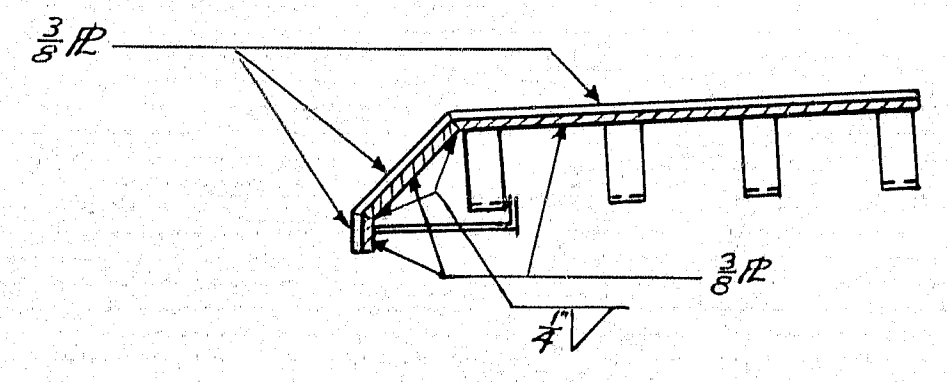
Section H-H



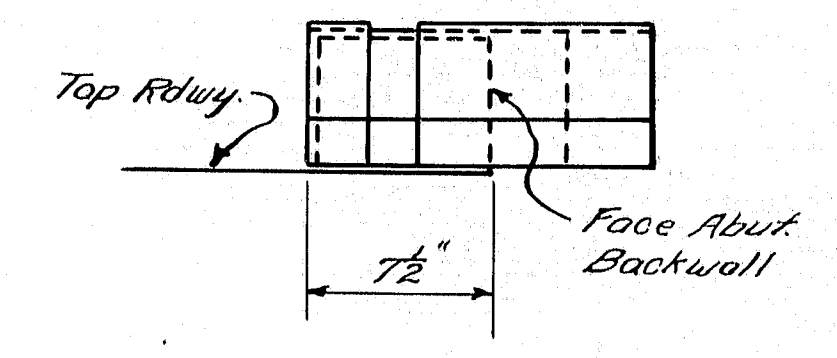
Expansion Dam Median



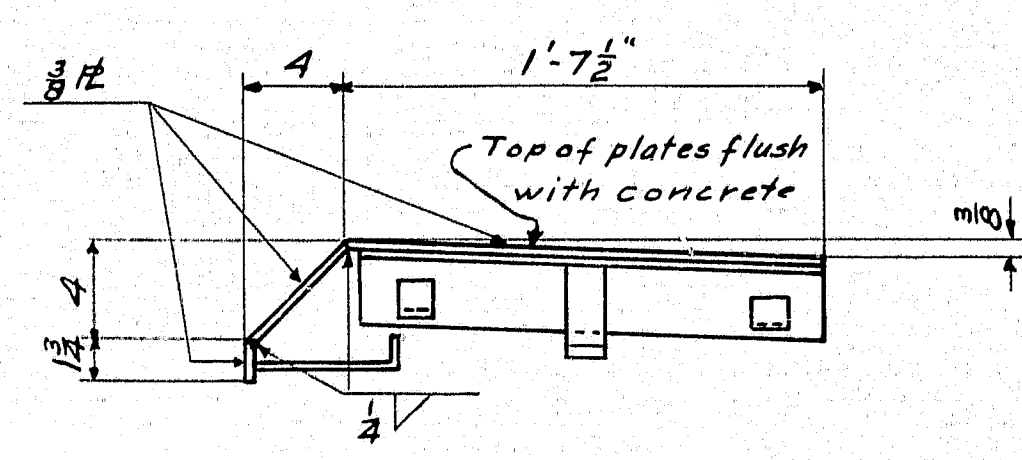
View E-E
Abut #1 Northbound
Abut #2 Northbound & Southbound



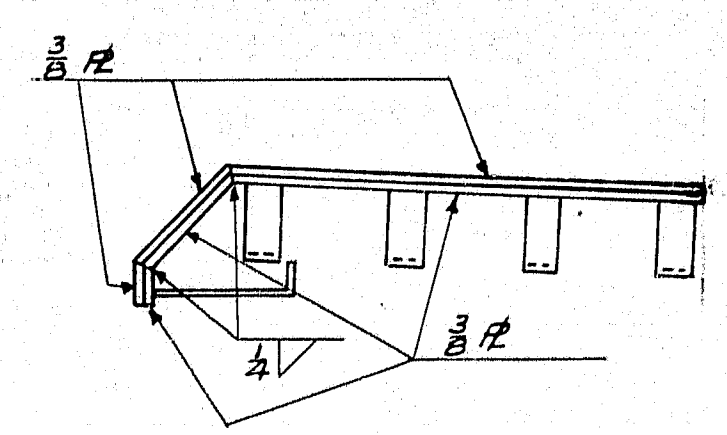
Section F-F
Abut #1 Northbound
Abut #2 Northbound & Southbound



View G-G



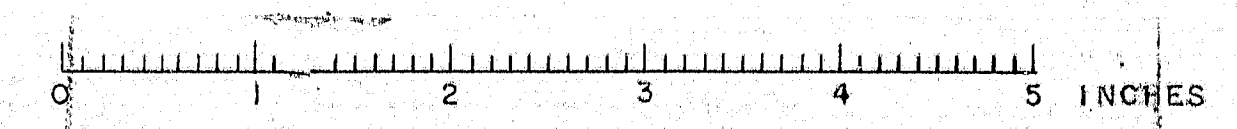
VIEW E-E
Abut #1 Southbound



SECTION F-F
Abut #1 Southbound

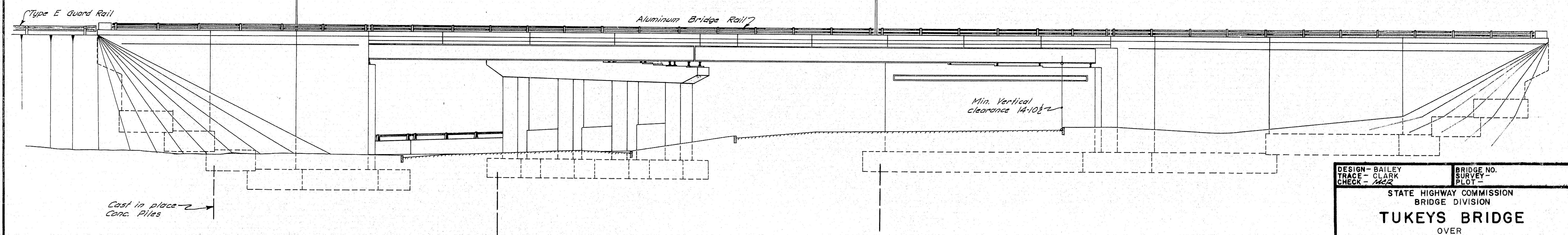
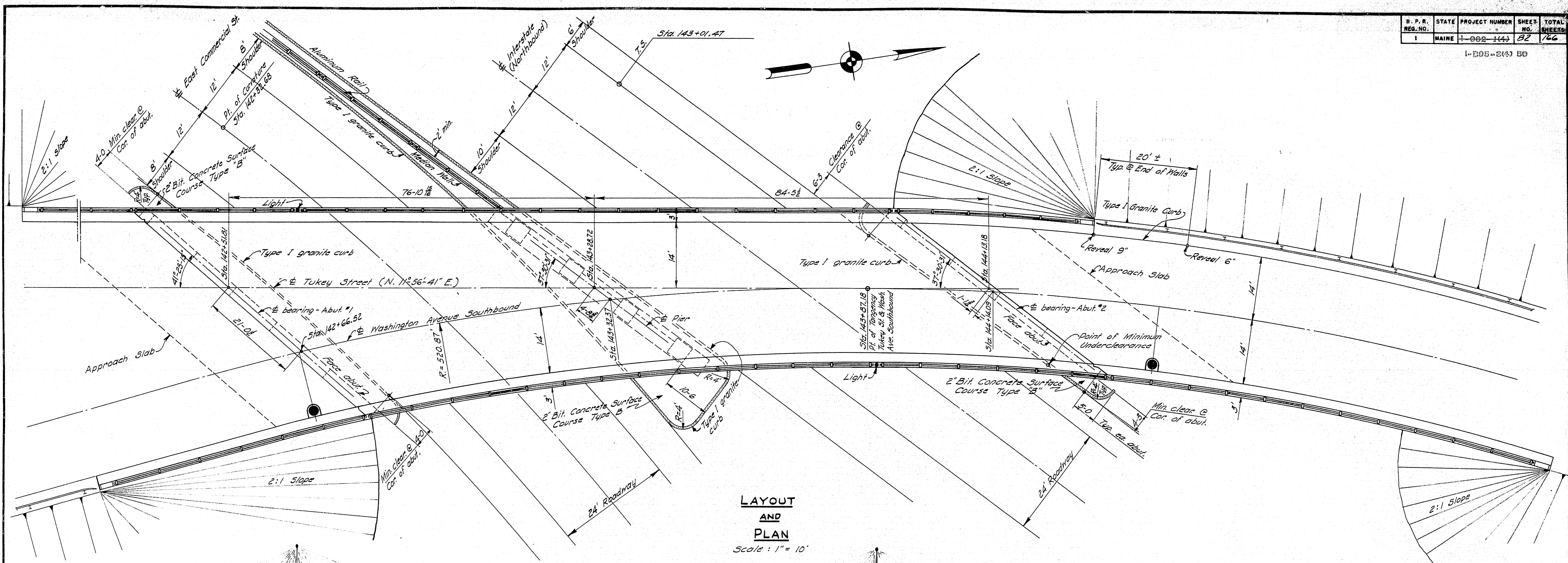
Note: Expansion Dams required of Abutts. 1 & 2.

DESIGN - RISSEL	BRIDGE NO.
TRACE - WELCH	SURVEY -
CHECK -	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
TUKEYS BRIDGE EXPANSION DAMS	
SHEET 81 OF 166	AUGUSTA, MAINE OCT. 1957



B. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-082-144	82	126

1-B05-343 50



DESIGN - BAILEY
TRACE - CLARK
CHECK - 11/22

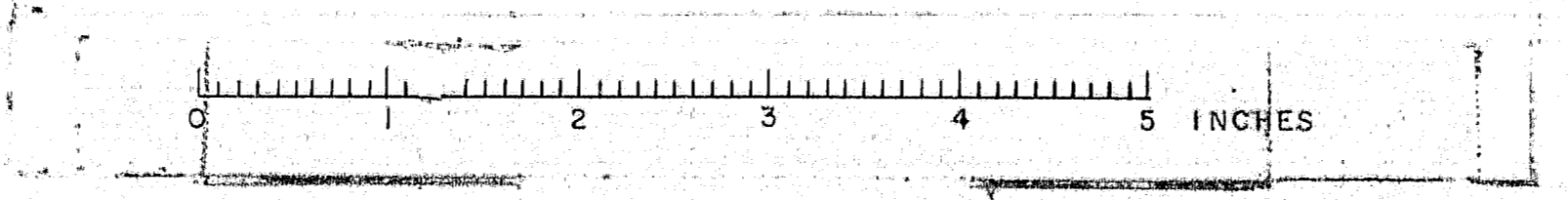
BRIDGE NO. SURVEY PLOT

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

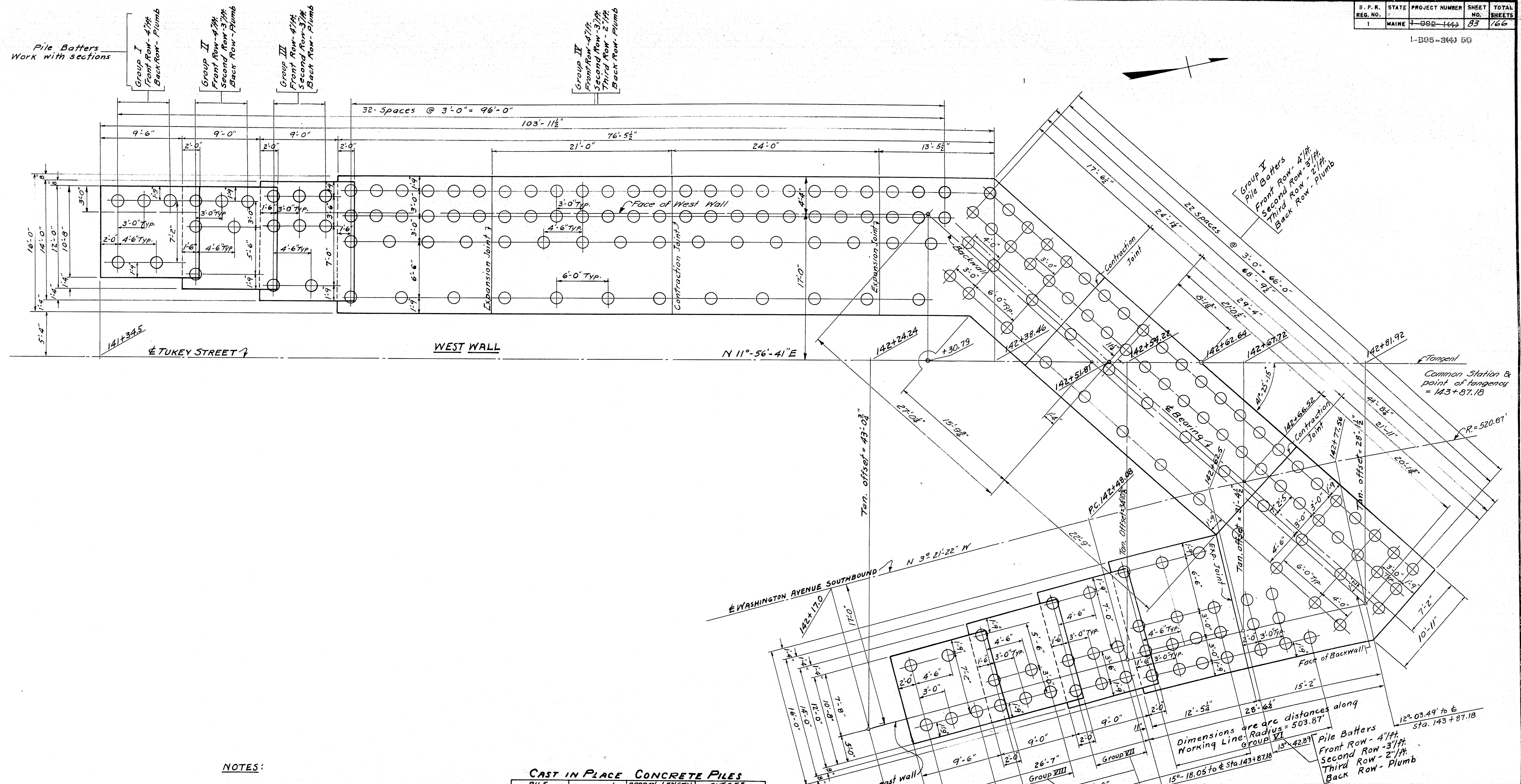
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY

OVERPASS NO. 1
PLAN, ELEVATION & LAYOUT
SHEET 82 OF 166 AUGUSTA, MAINE OCT. 1957

76-02



I-B05-343 50



NOTES:

Where bottom of footing is above ground elevation, fill to elevation of bottom of footing before driving piles.

CAST IN PLACE CONCRETE PILES

PILE GROUP NO.	NO. REQD.	APPROX. LENGTH BELOW CUTOFF	CUTOFF ELEVATION
I	5	10'	20.0
II	6	10'	16.0
III	8	10'	12.0
IV	76	20'	8.0
V	70	25'	8.0
VI	21	25'	8.0
VII	8	20'	12.0
VIII	6	15'	16.0
IX	5	15'	20.0

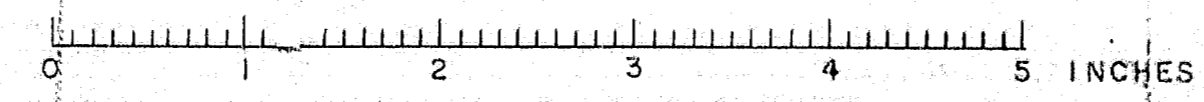
Max. load per pile = 31 tons

DESIGN - RISSEL DETAIL ONLY
 TRACE - WELCH SURVEY NO.
 CHECK - E.A.M.-C.A.B.-88-1112 PLOT -

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

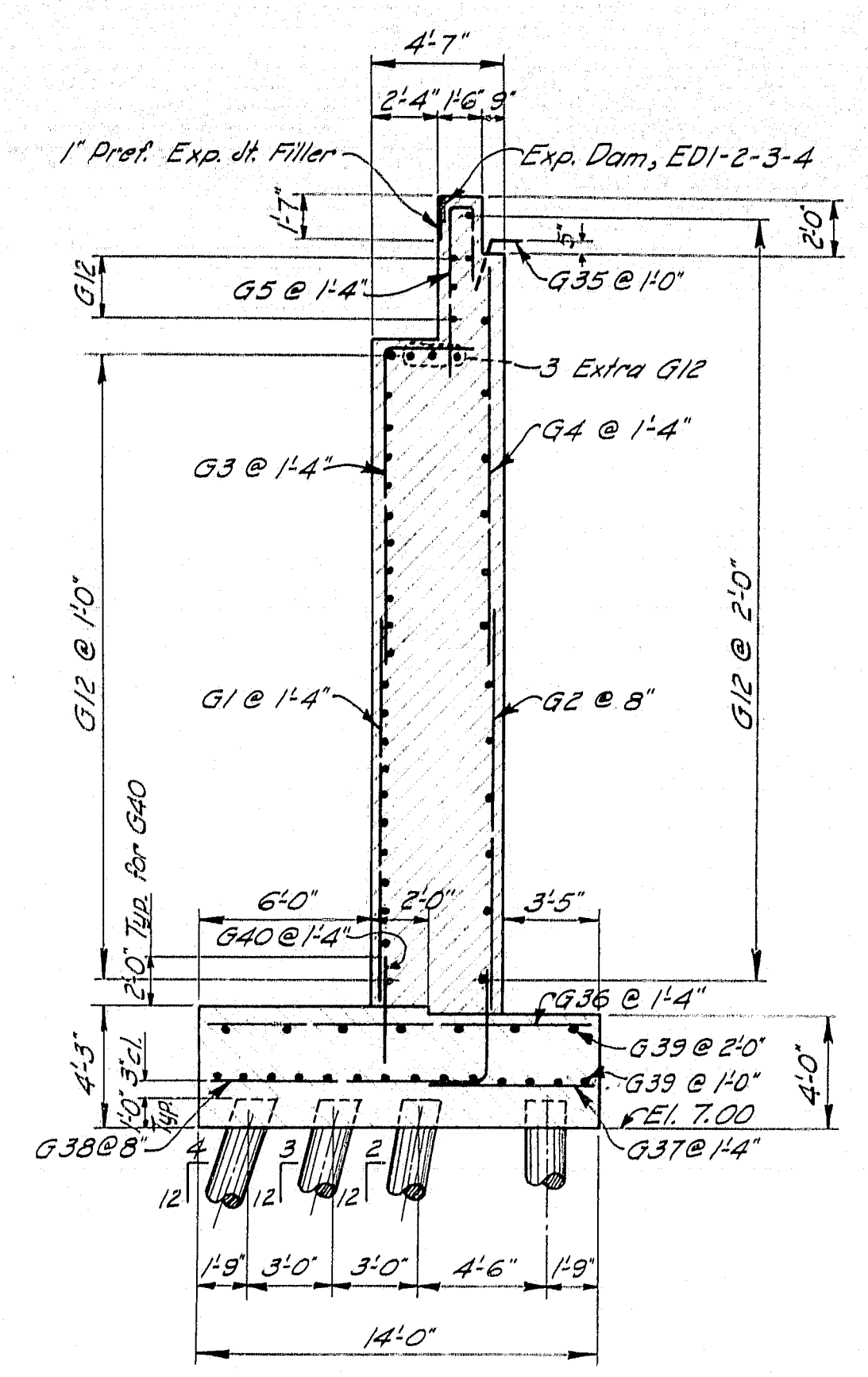
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
 OVERPASS NO. 1 - ABUT. NO. 1 & RETAINING WALLS
 FOUNDATION & PILE PLAN

SHEET 83 OF 166 AUGUSTA, MAINE OCT. 1957

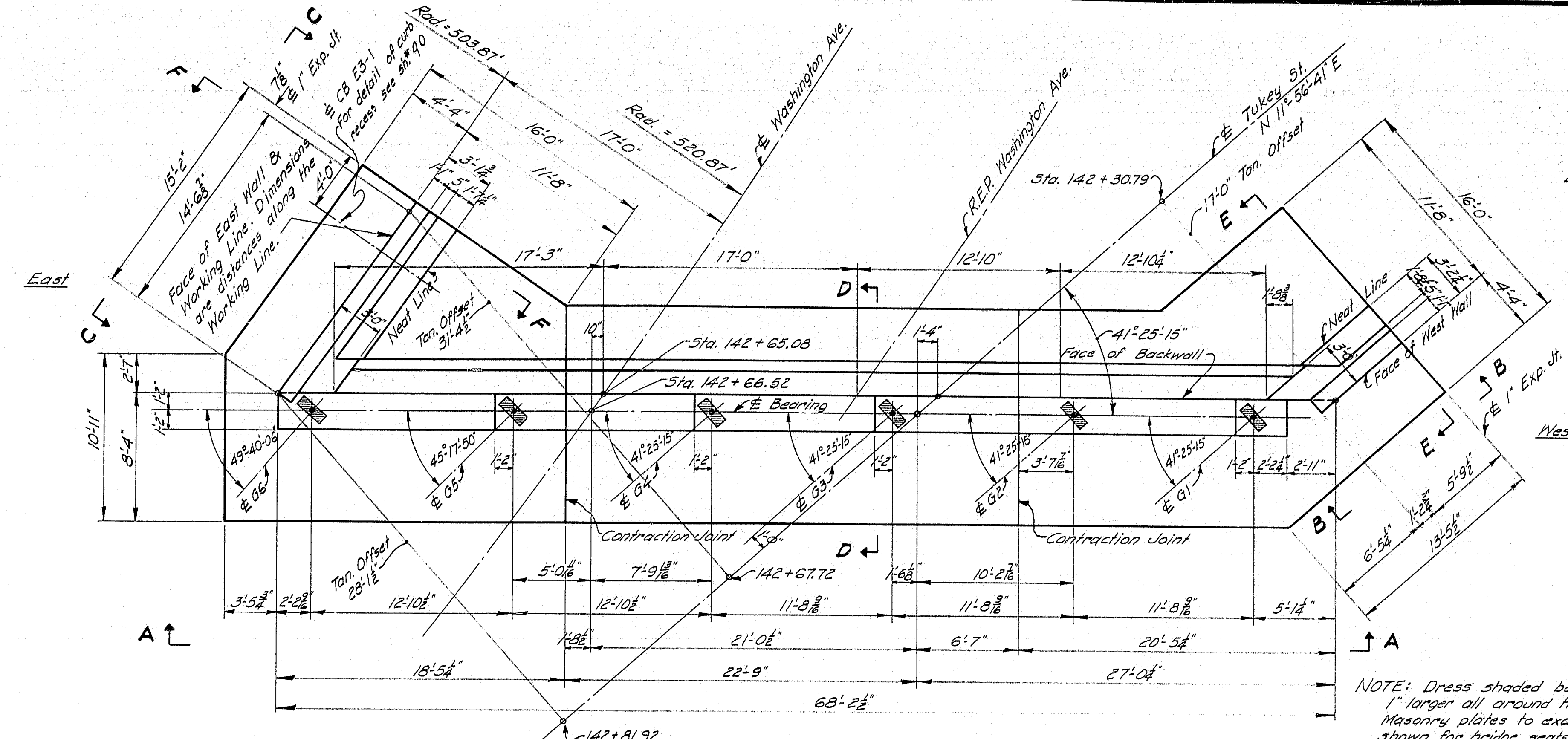


SHEET NO.	TOTAL SHEETS
84	166

1-B05-3(4) 50



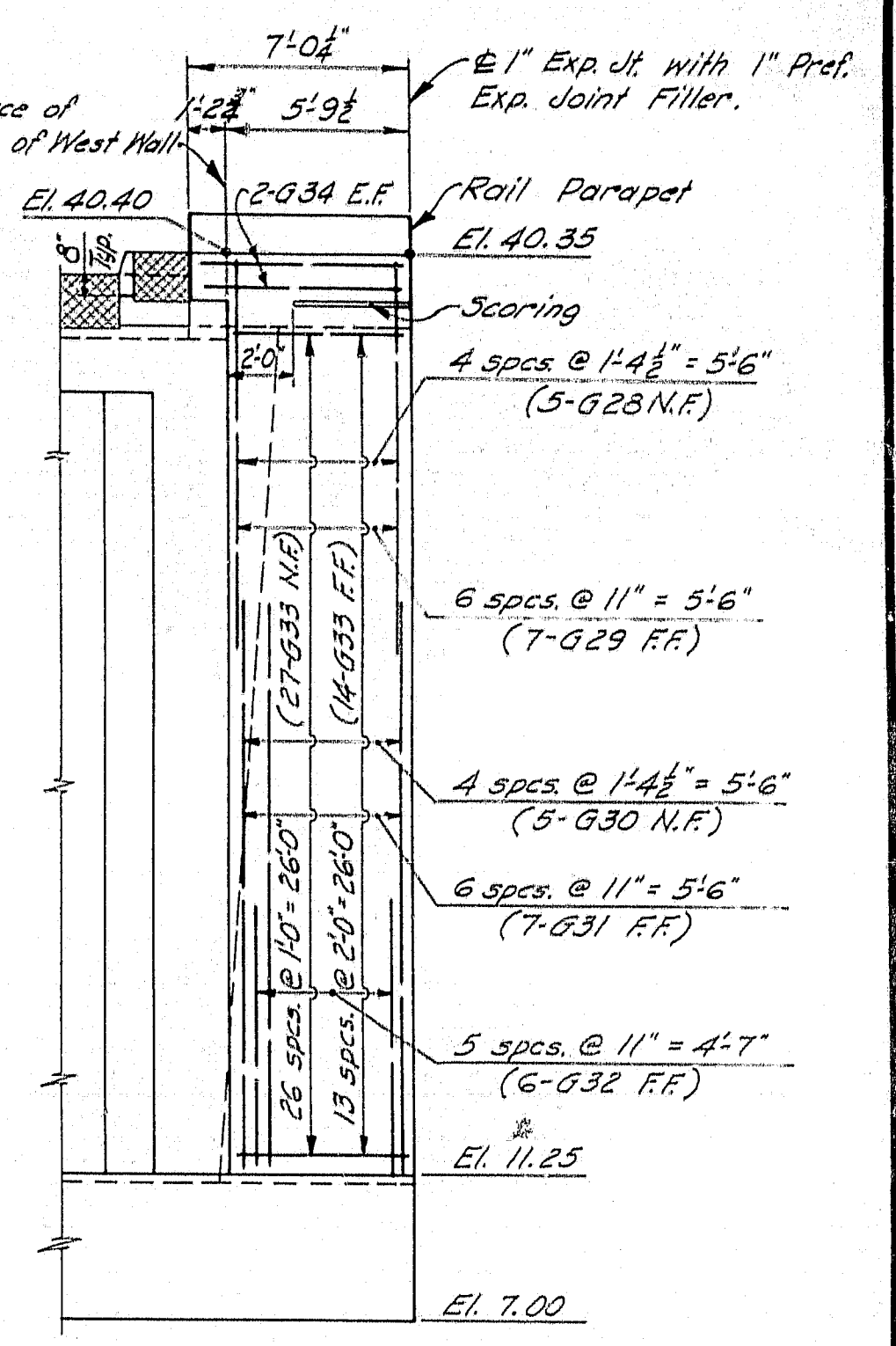
SECTION D-D



ABUTMENT PLAN

NOTE: Rail parapet & Concrete curb not shown. See "Plan M.M." sh. # 85

NOTE: Dress shaded bearing areas 1" larger all around than size of Masonry plates to exact elevations shown for bridge seats in Elevation A-A. Place steel in bridge seats to clear anchor bolts.



ELEVATION B-B

GENERAL NOTES

The following notes apply to details for both Abutment No. 1, Abutment No. 2 & their retaining walls.

- 3" minimum cover for reinforcing steel.
- N.F. means Near Face
- F.F. " Far Face
- E.F. " Each Face

For vertical joint details see sheet # 92
 For Scoring details abutment face see sh. # 89
 For Scoring details Walls see sheet # 91
 For French Drain details see sheet # 85
 For Curb Recess of Catch Basin see sh. # 90
 For Aluminum Rail details see sh. # 120

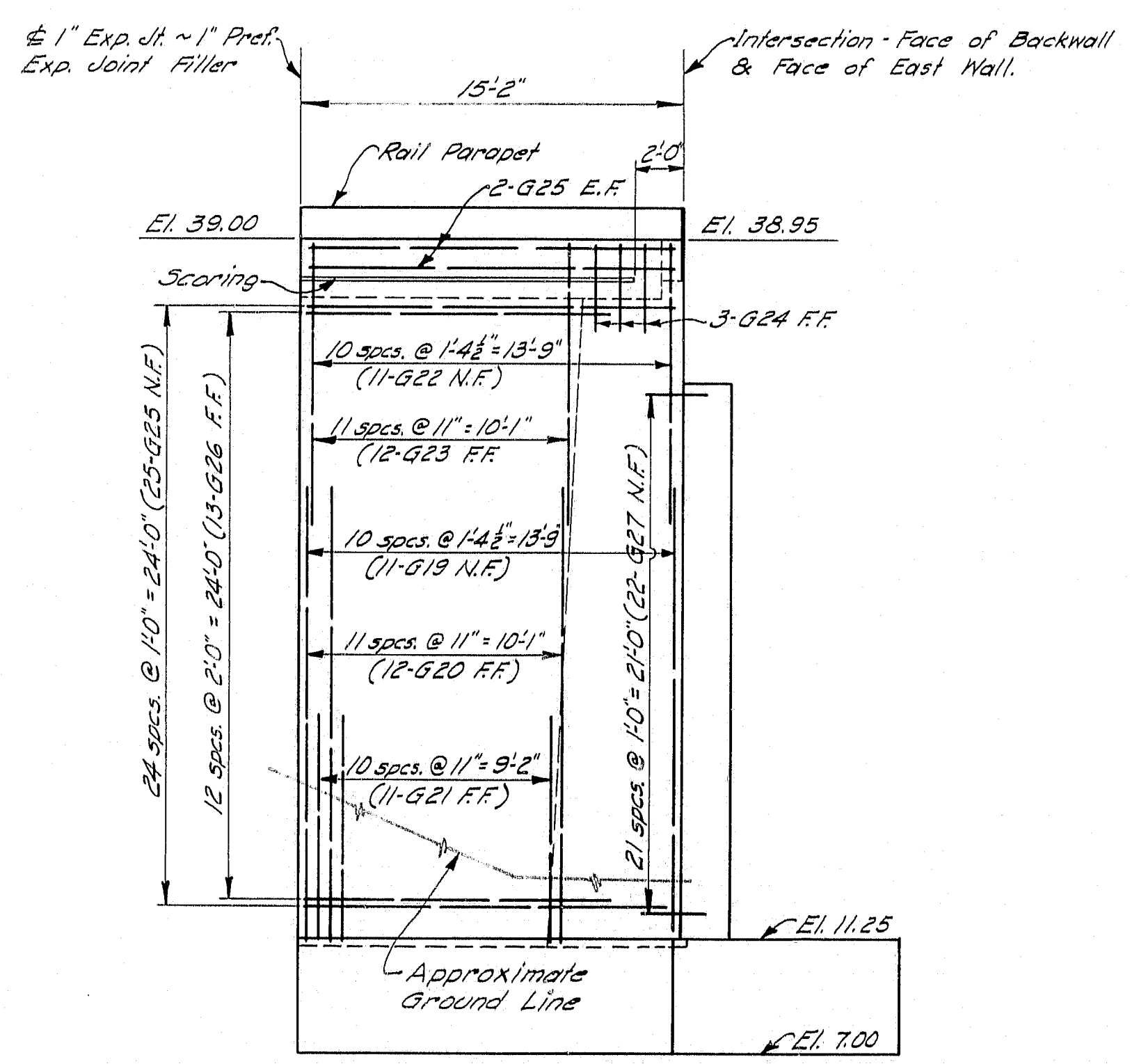
Rail Parapets and Concrete Curbs to be placed after abutments and walls are constructed.

Work this sheet with sheet # 85

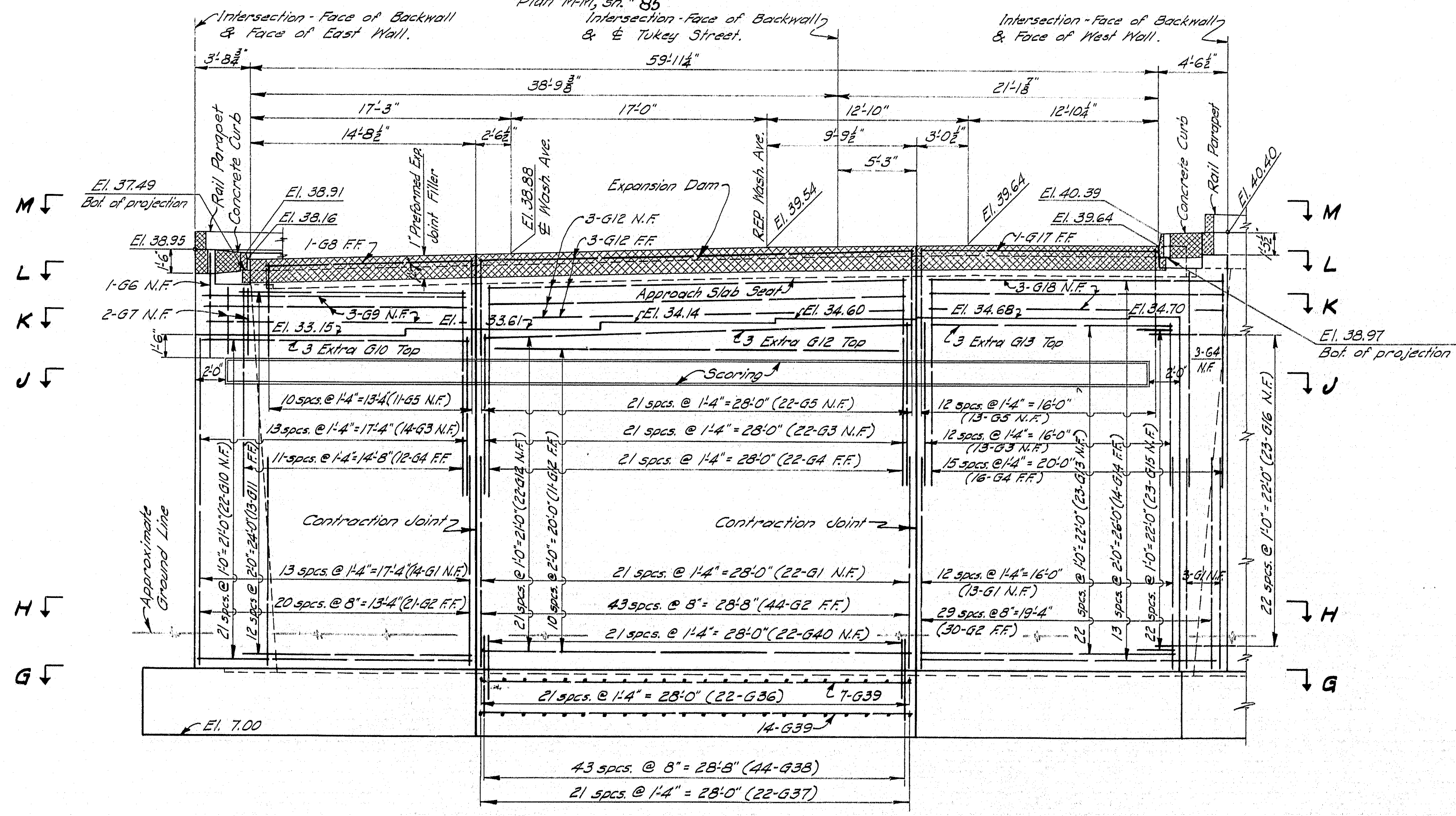
DESIGN - RISSSEL DET. - A.H.R. BRIDGE NO. _____
 TRACE - CLARK SURVEY - # 91
 CHECK - E.A.M. C.A.B. 92-11 PLOT - _____

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY

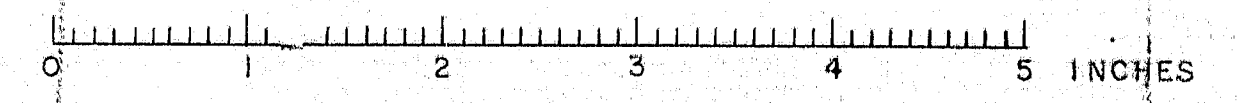
OVERPASS NO. I
 ABUTMENT NO. I
 SHEET 84 OF 166 AUGUSTA, MAINE OCT. 1957



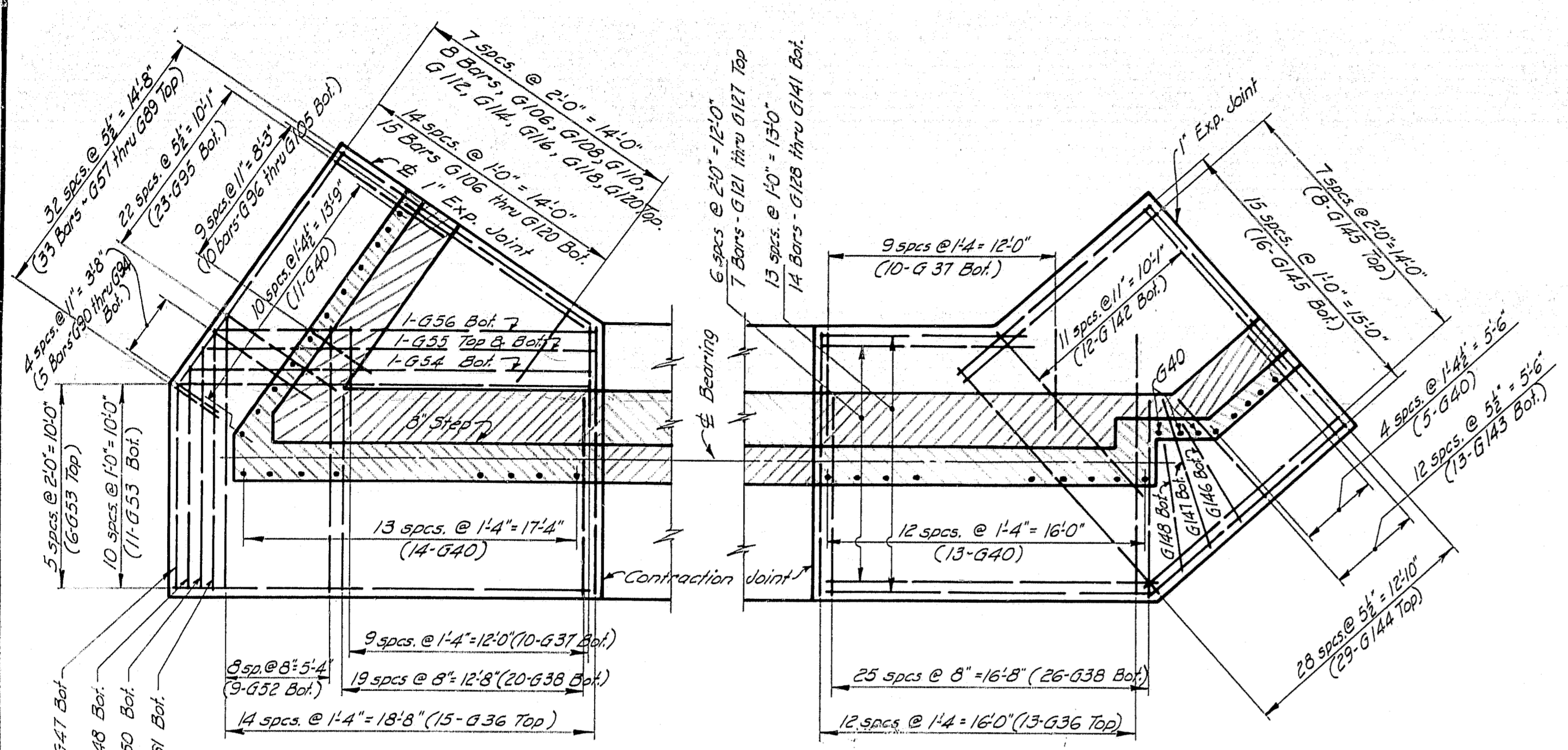
DEVELOPED ELEVATION C-C



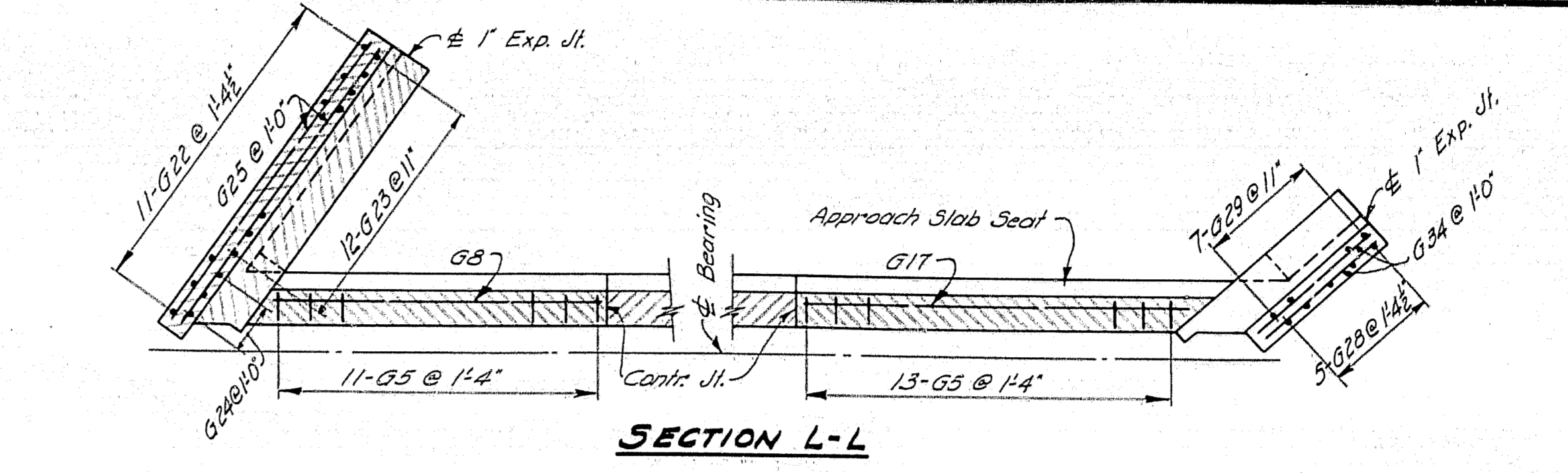
ELEVATION A-A



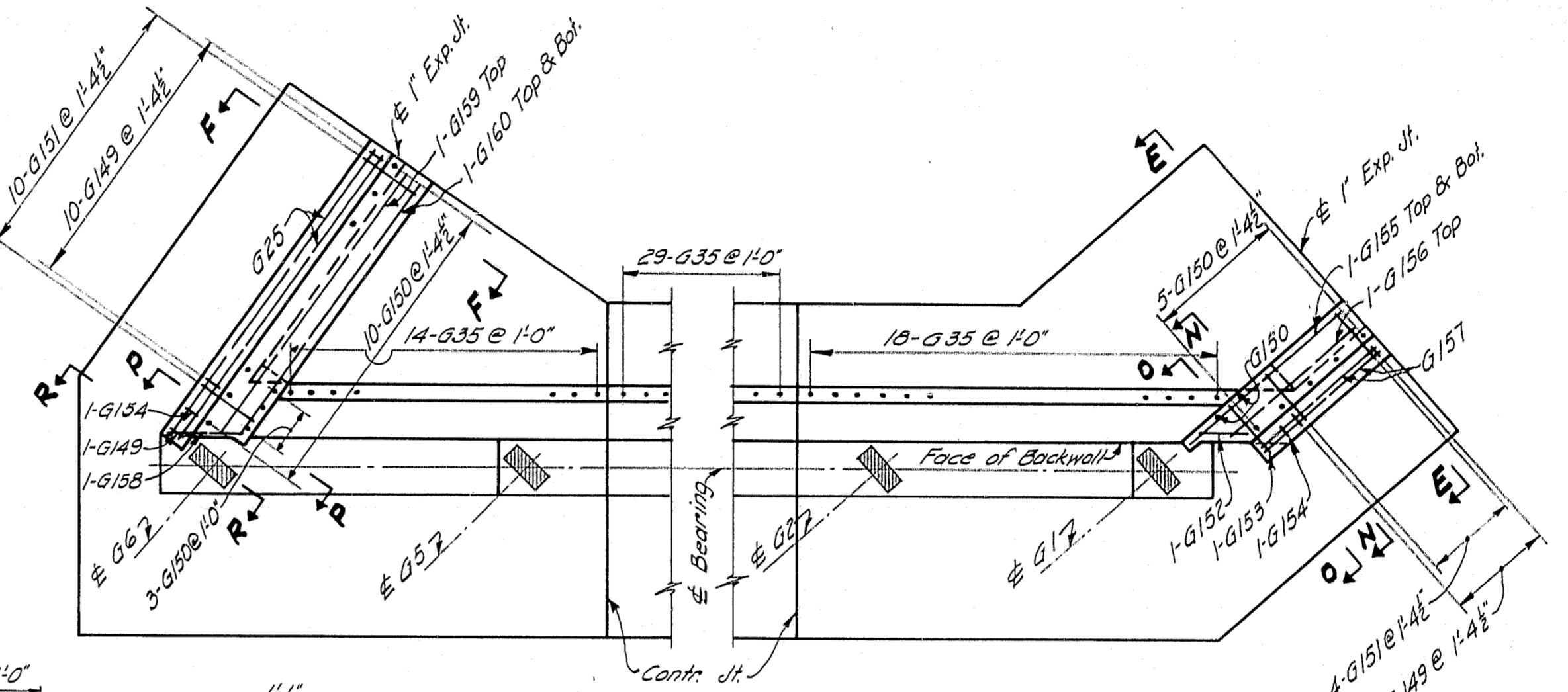
B. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-882-1643	85	166



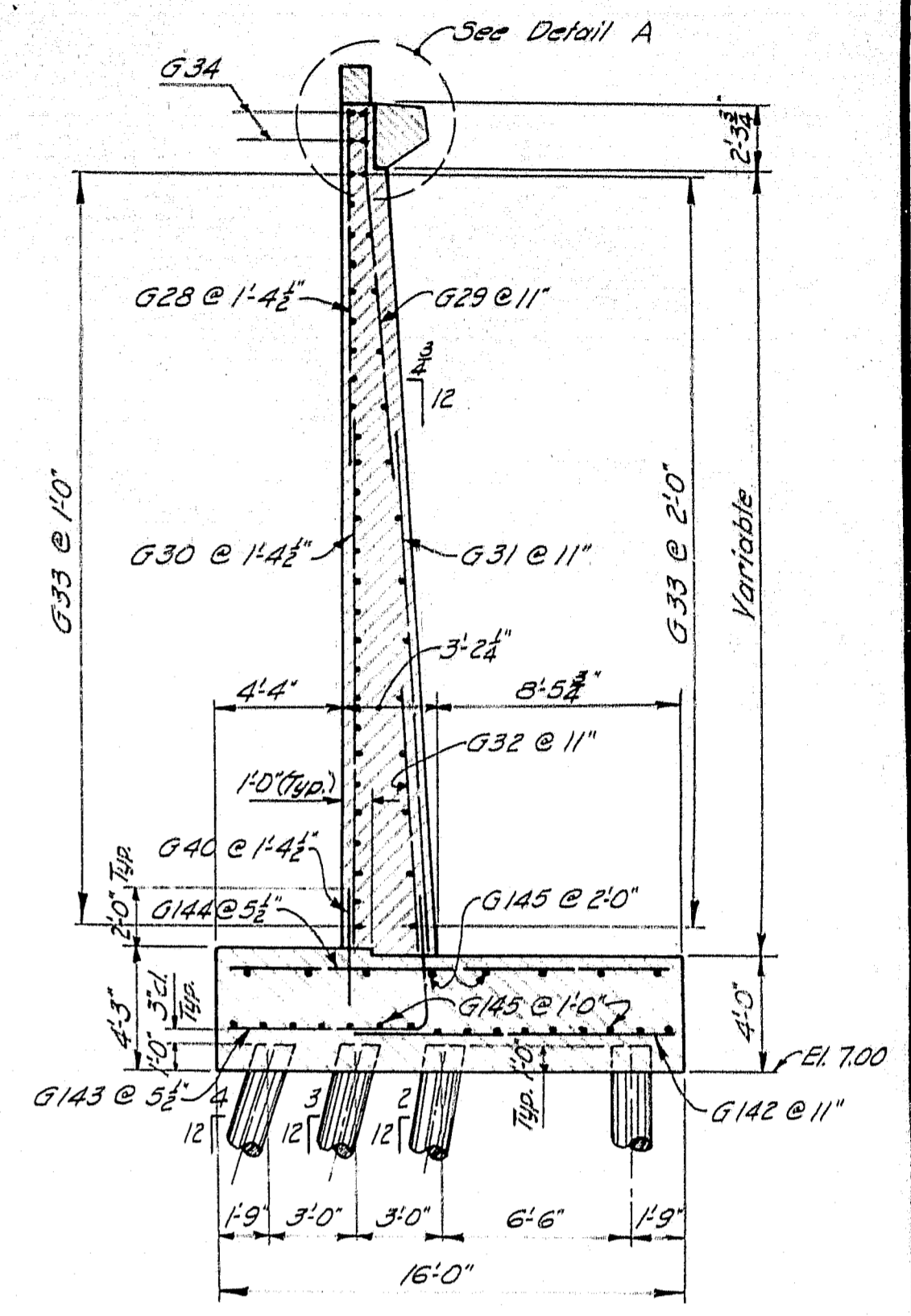
SECTION G-G



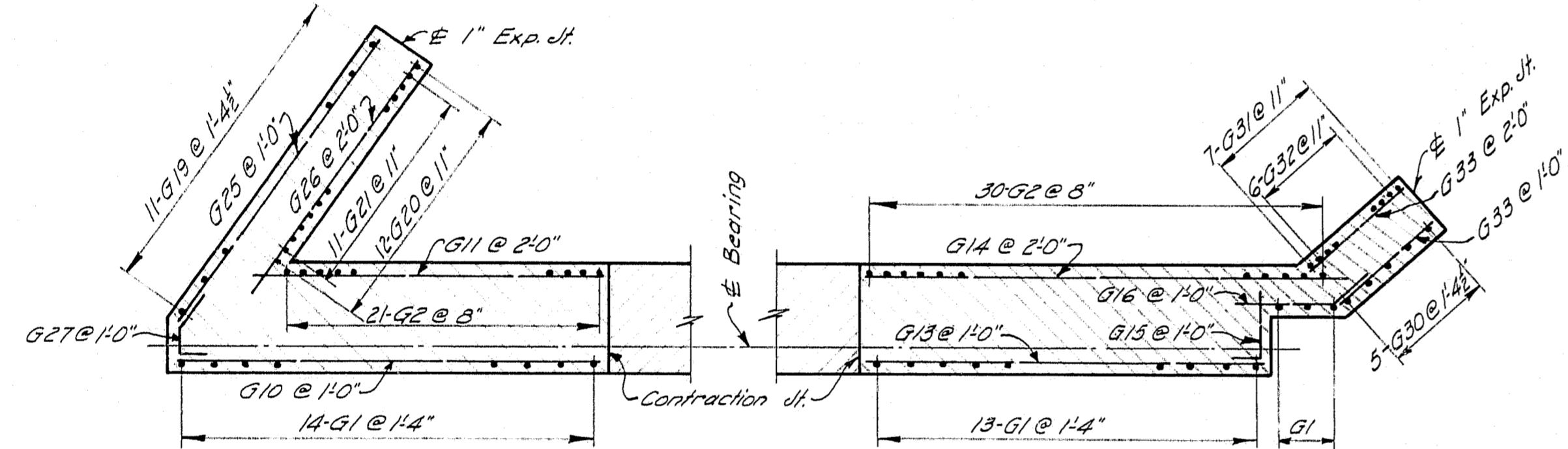
SECTION L-L



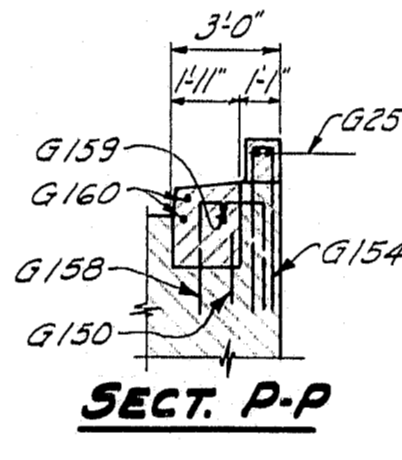
PLAN M-M



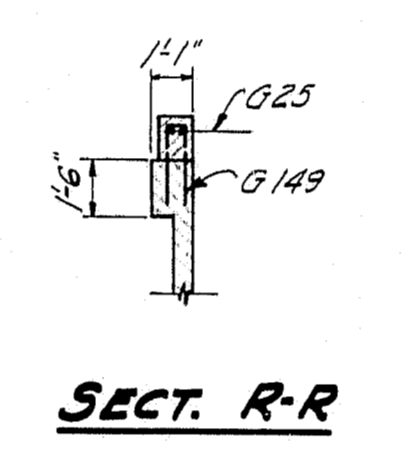
SECTION E-E



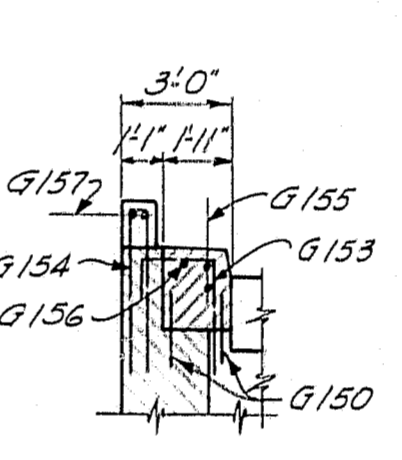
SECTION H-H



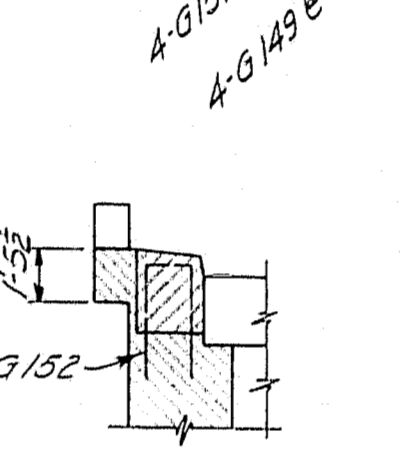
SECT. P-P



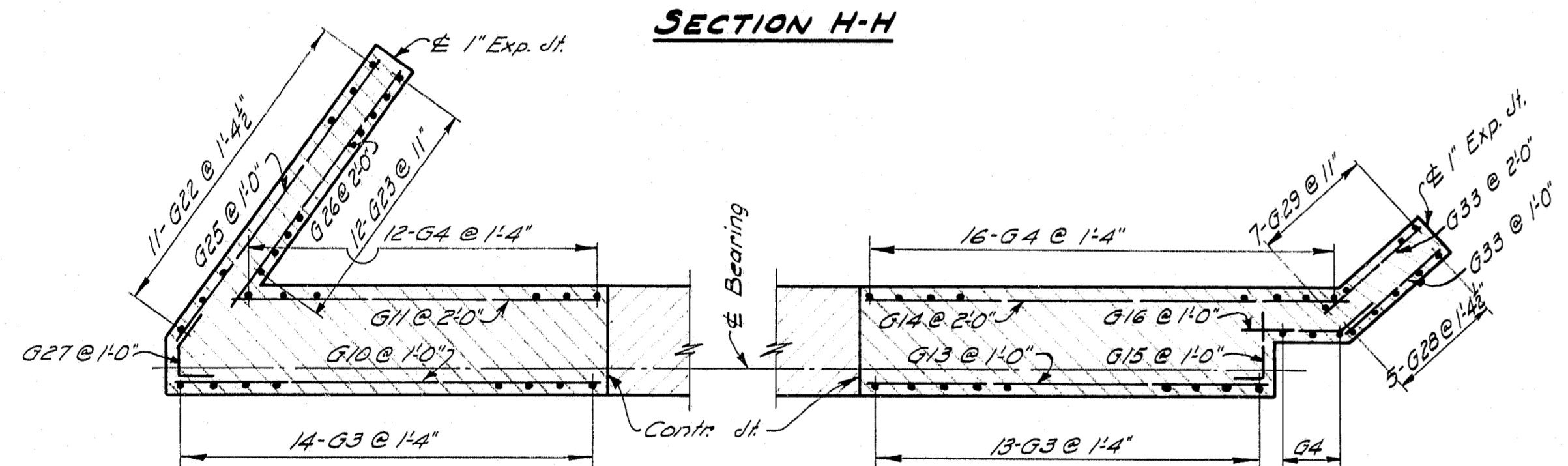
SECT. R-R



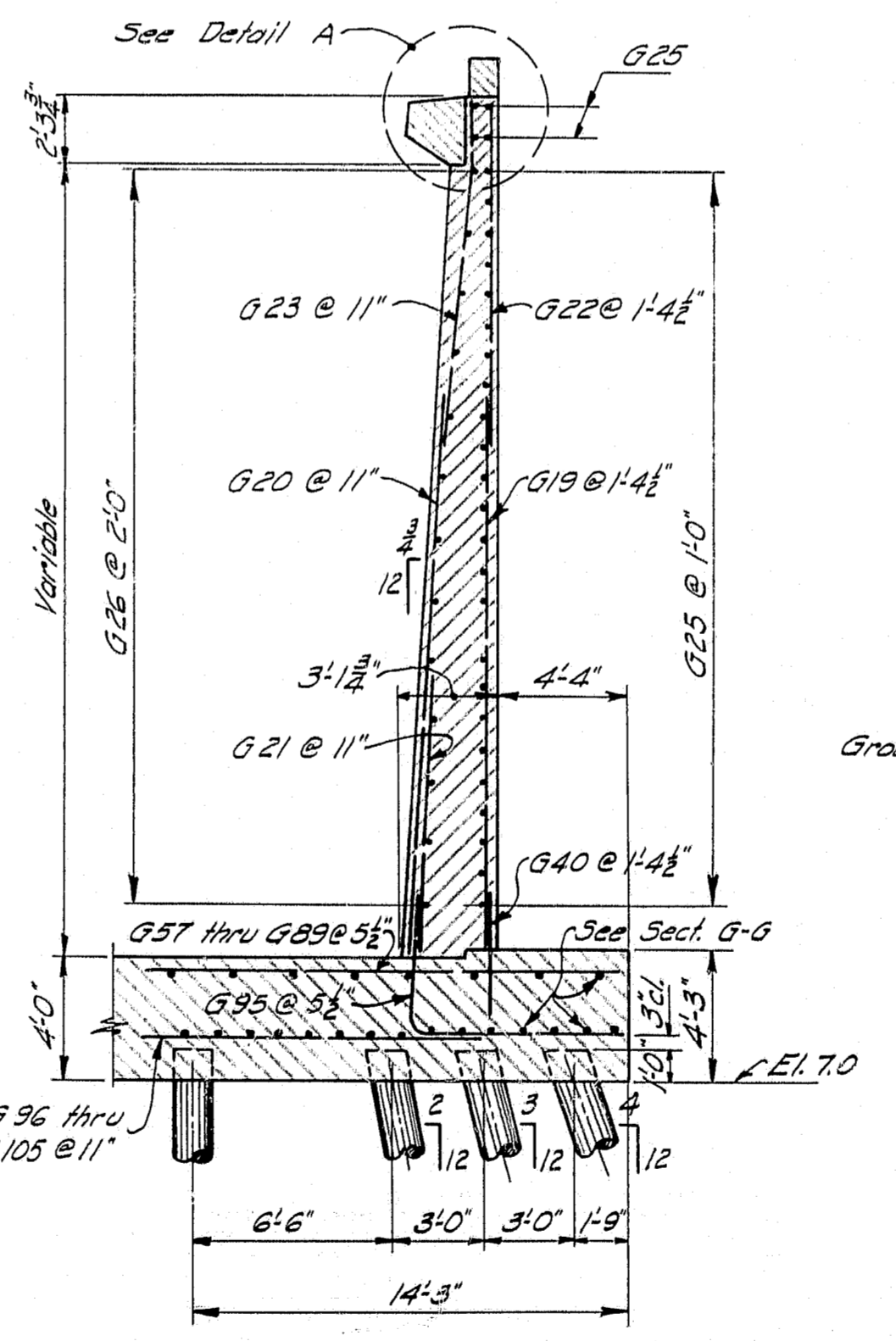
SECT. N-N



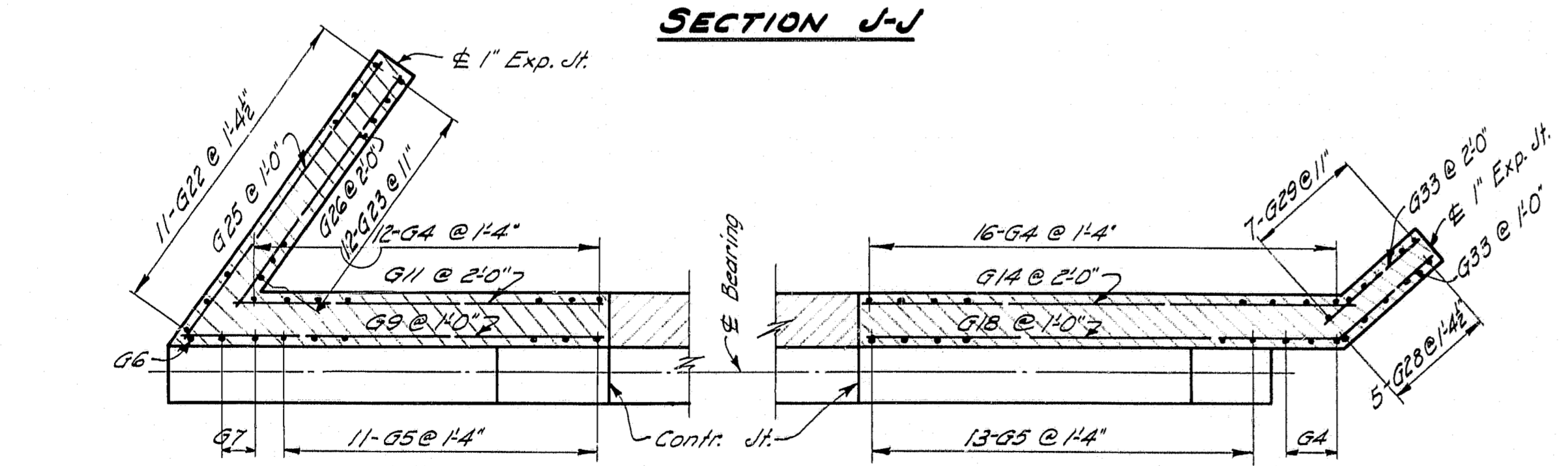
SECT. O-O



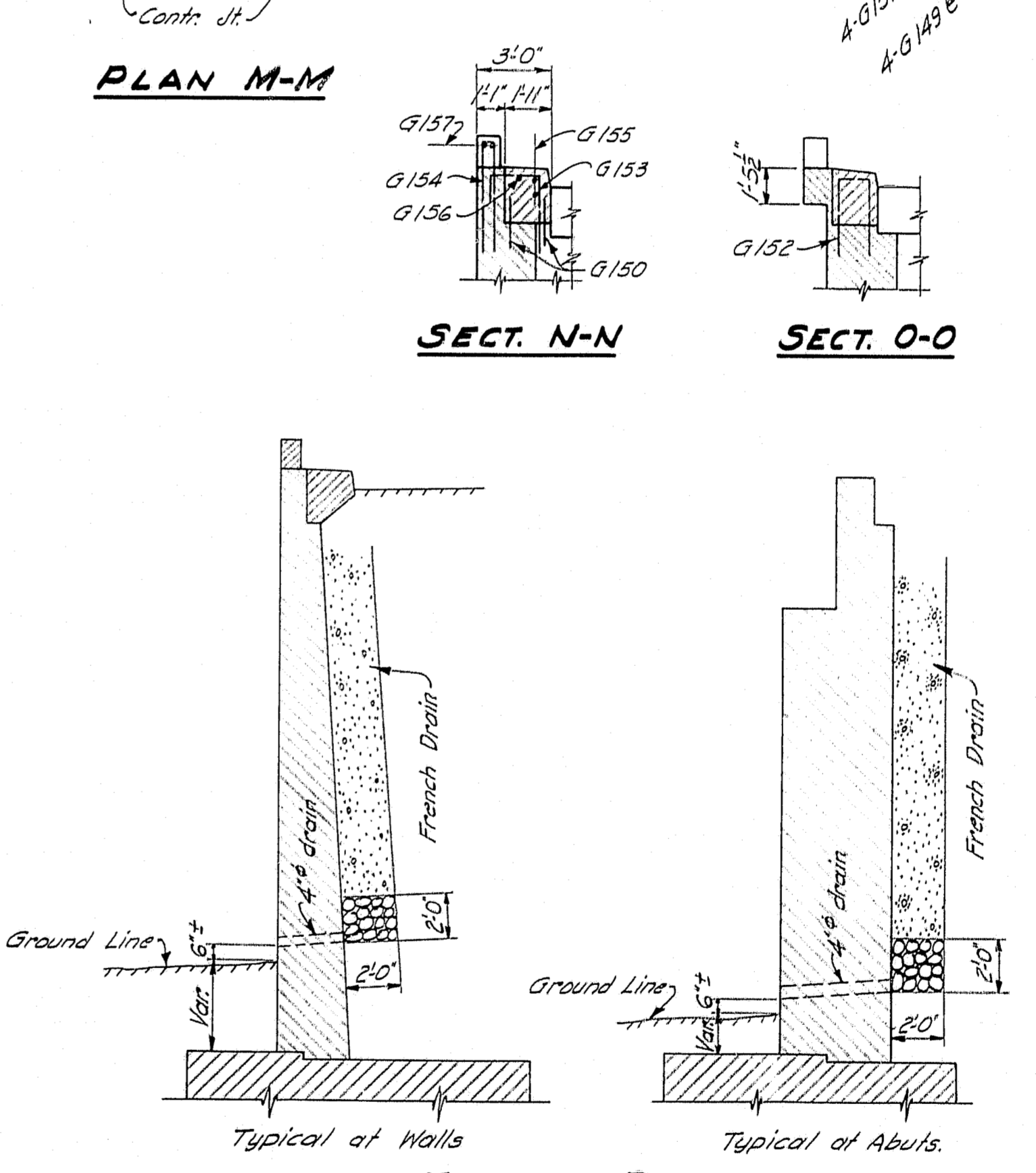
SECTION J-J



SECTION F-F

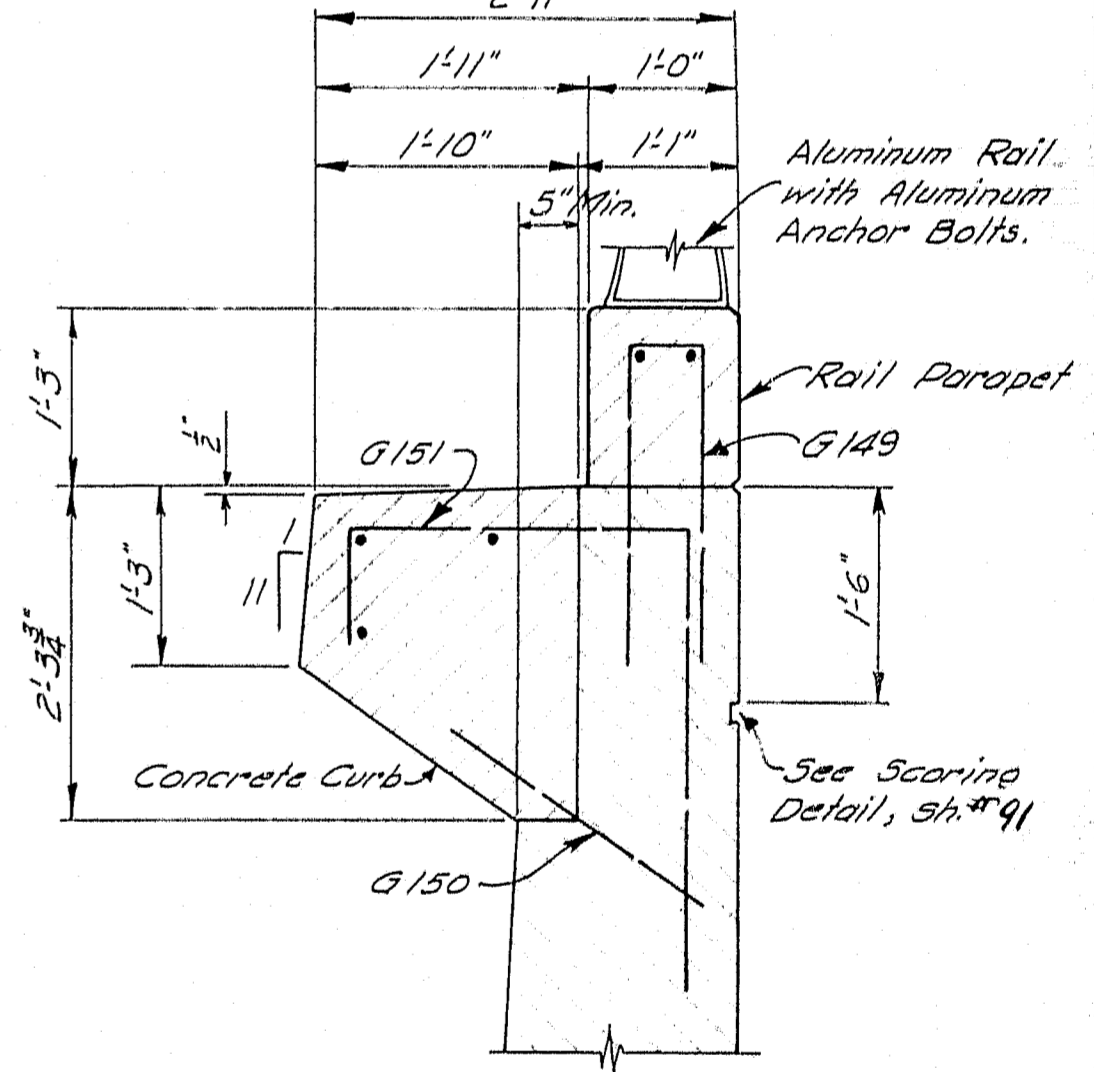


SECTION K-K



FRENCH DRAIN

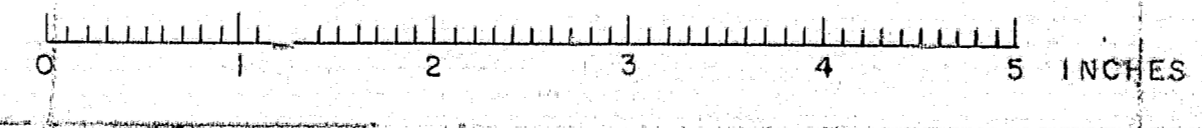
NOTE: Exact location of 4" drains to be determined by the Engineer in the field. Drains to be 6"± above final ground line and spaced at about 20'-0" in walls. 4-4" drains required in each abutment breast wall.



DETAIL A

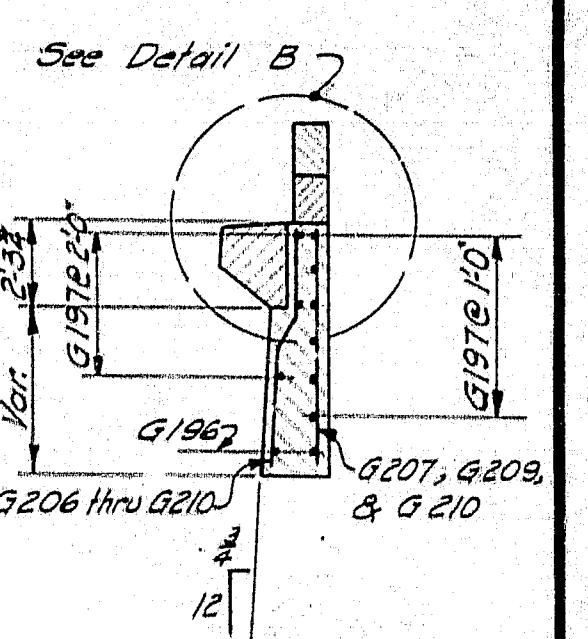
Work this sheet with sheet ' 84.

DESIGN - RISSEL	DET. - A.H.R.	BRIDGE NO.
TRACE - CLARK	SURVEY	
CHECK - E.A. McCAIG	84-11	
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
TUKEYS BRIDGE		
OVER		
BACK COVE		
IN THE CITY OF		
PORTLAND		
CUMBERLAND COUNTY		
OVERPASS NO. 1		
ABUTMENT NO. 1		
SHEET 85 OF 166		AUGUSTA, MAINE
		OCT. 1957

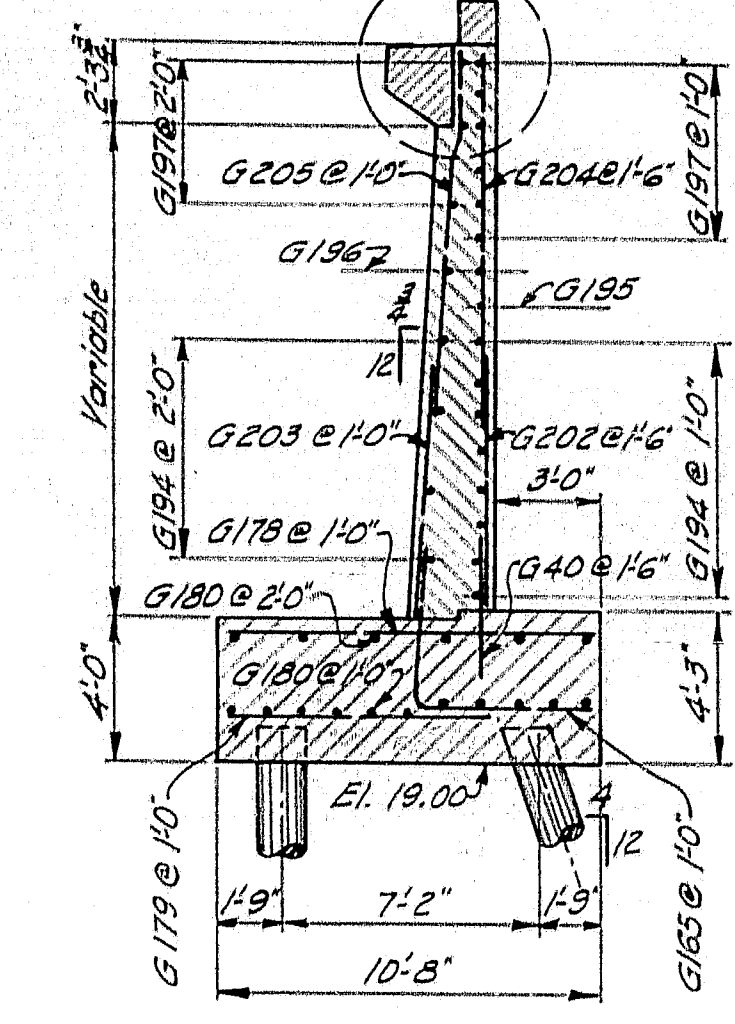


R. P. R. REF. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-887-2(3) 50	86	166

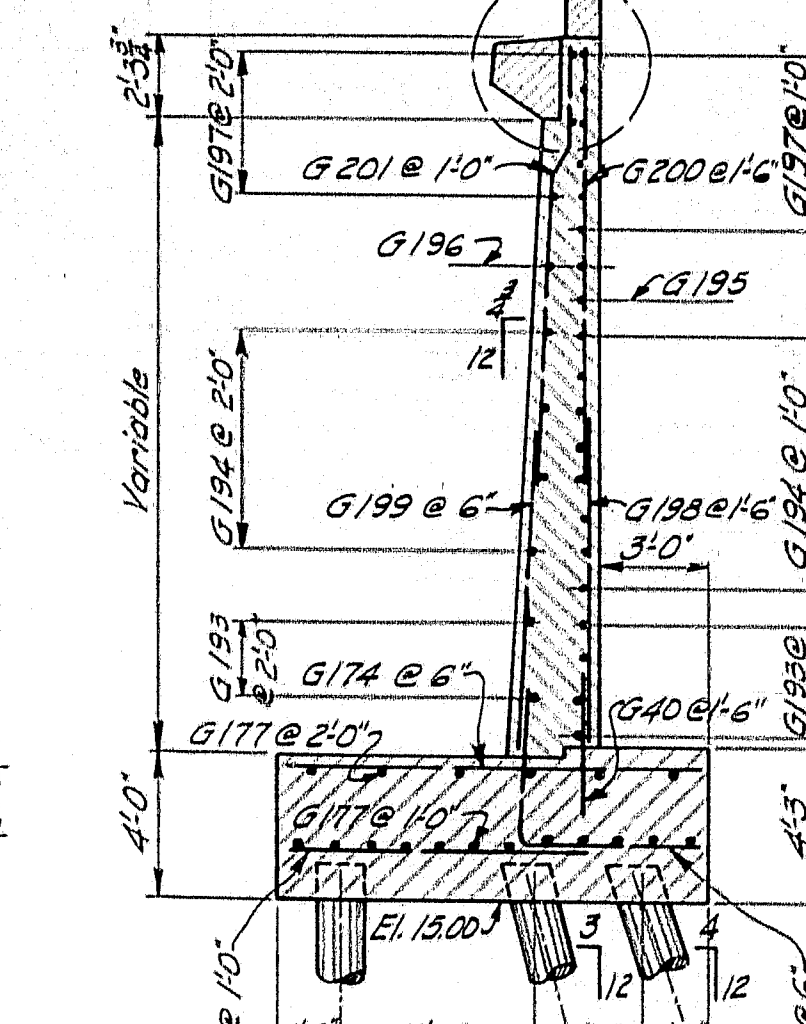
1-887-2(3) 50



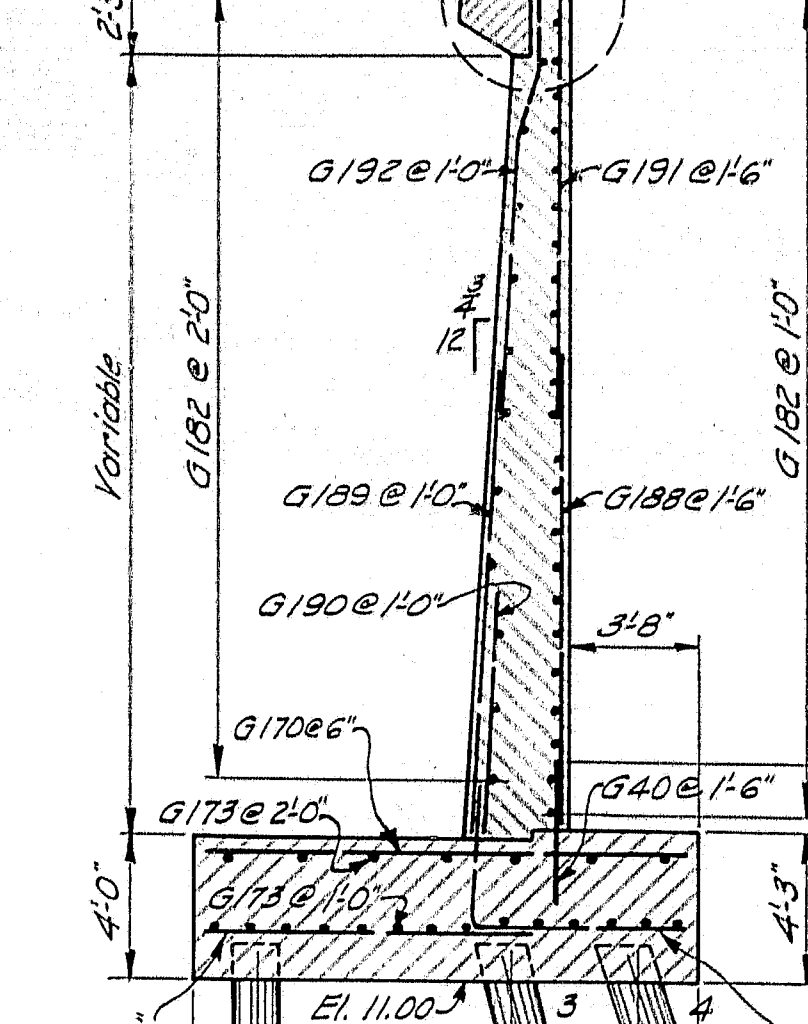
SECTION F-F



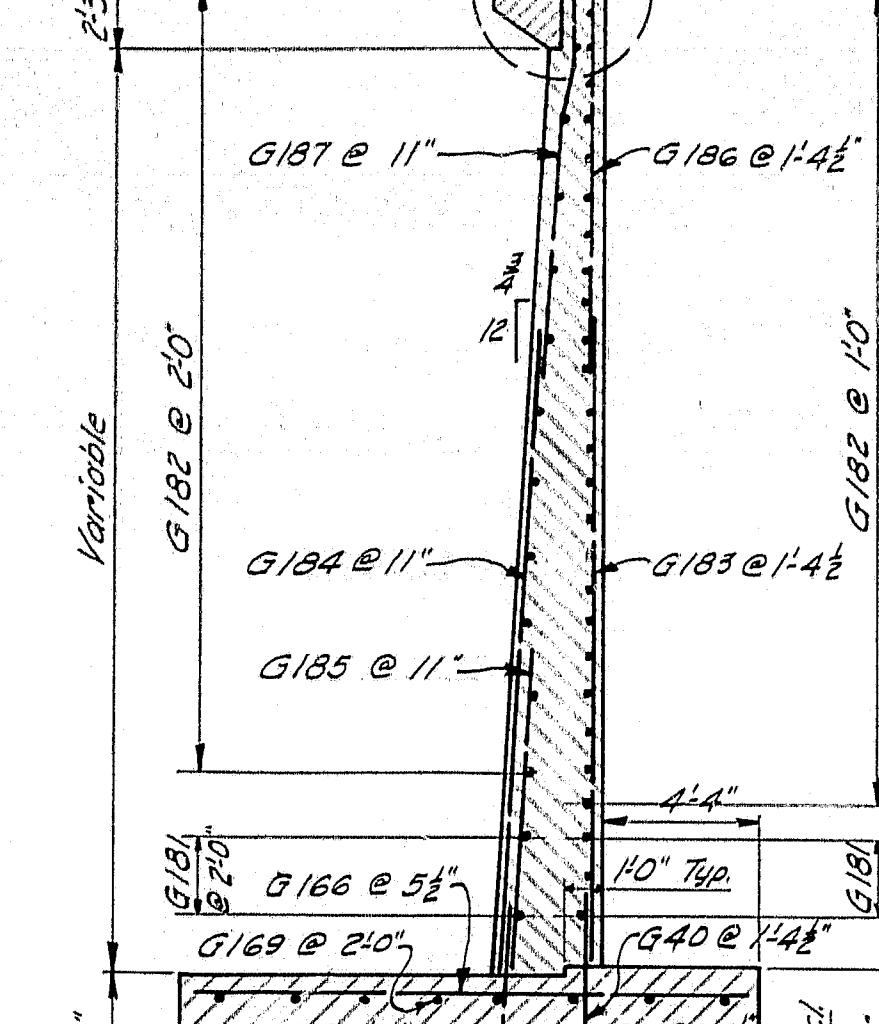
SECTION E-E



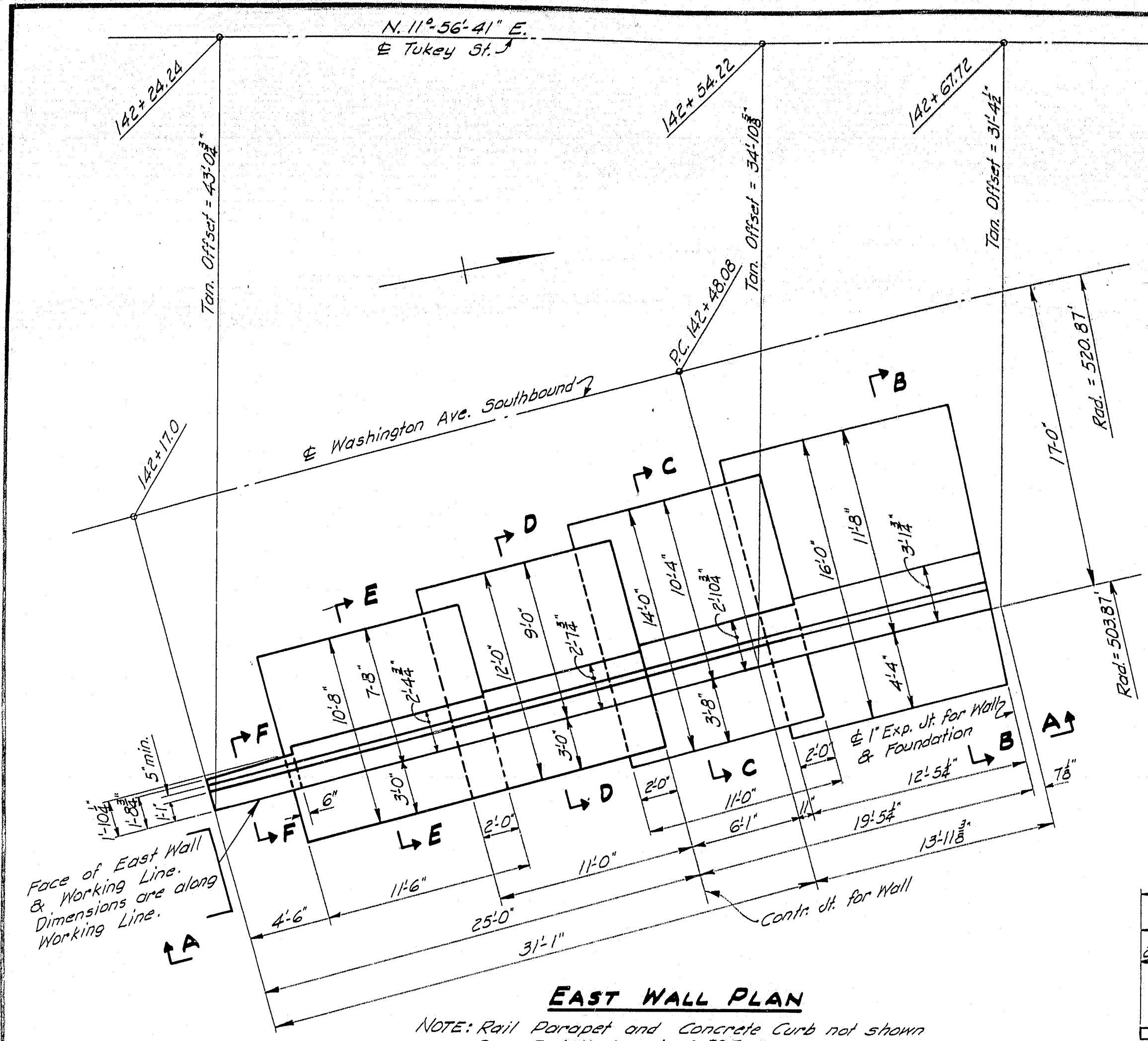
SECTION D-D



SECTION C-C

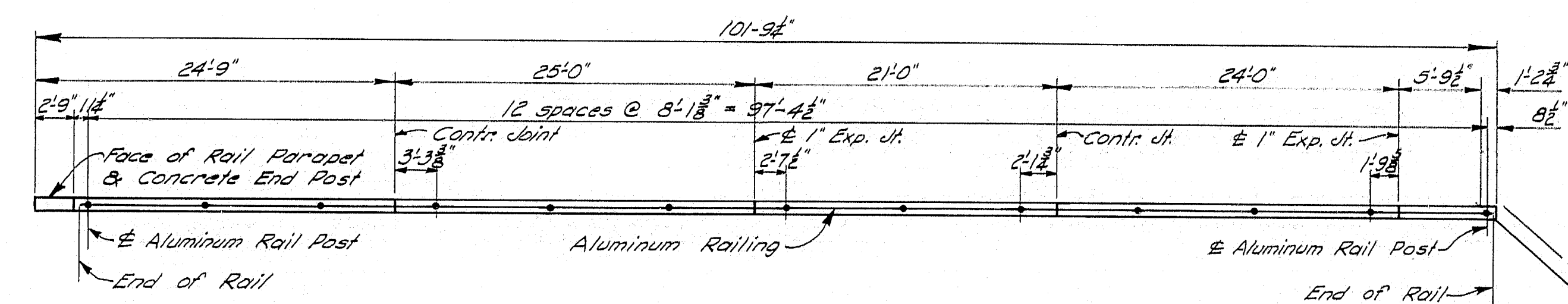


SECTION B-B

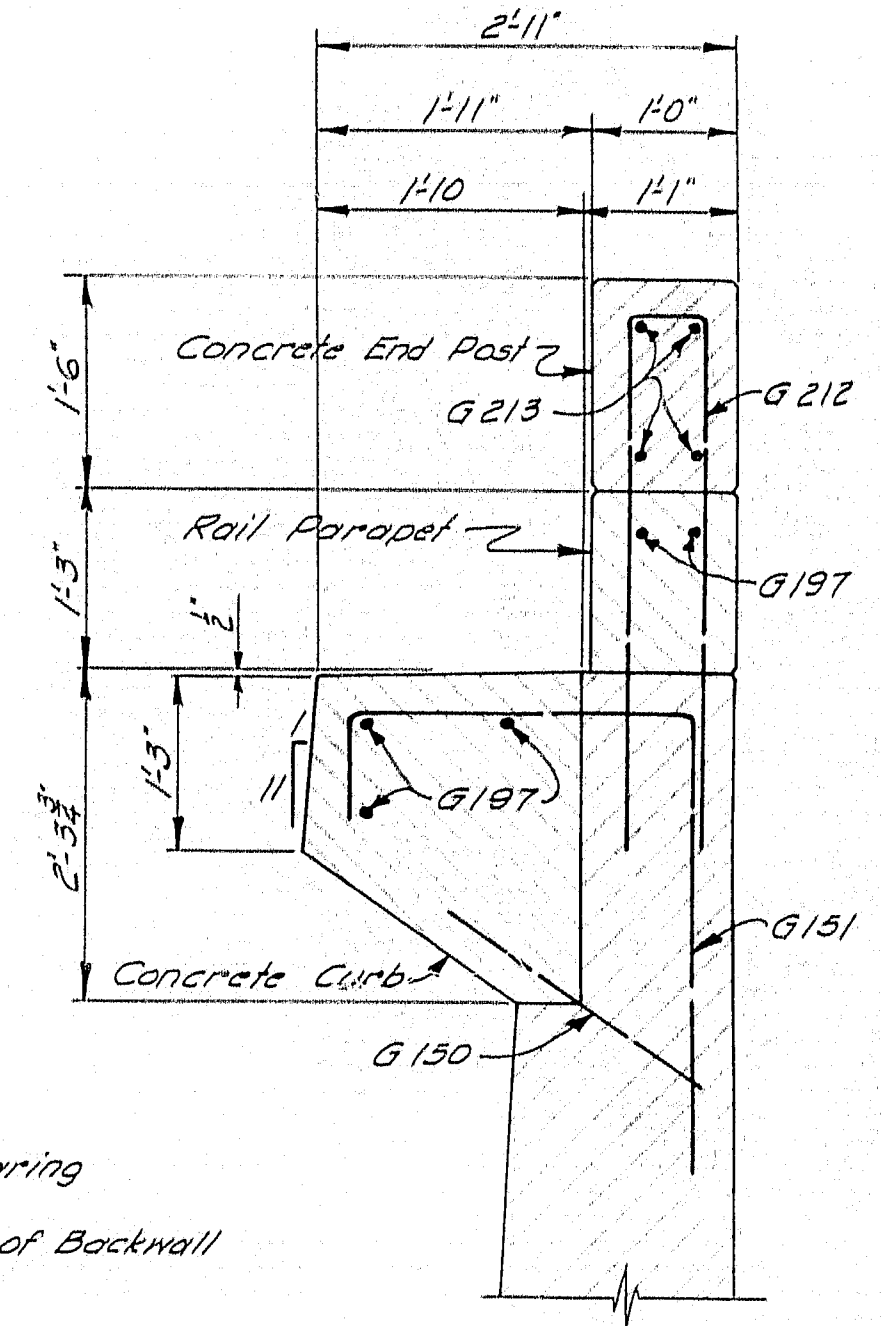


EAST WALL PLAN

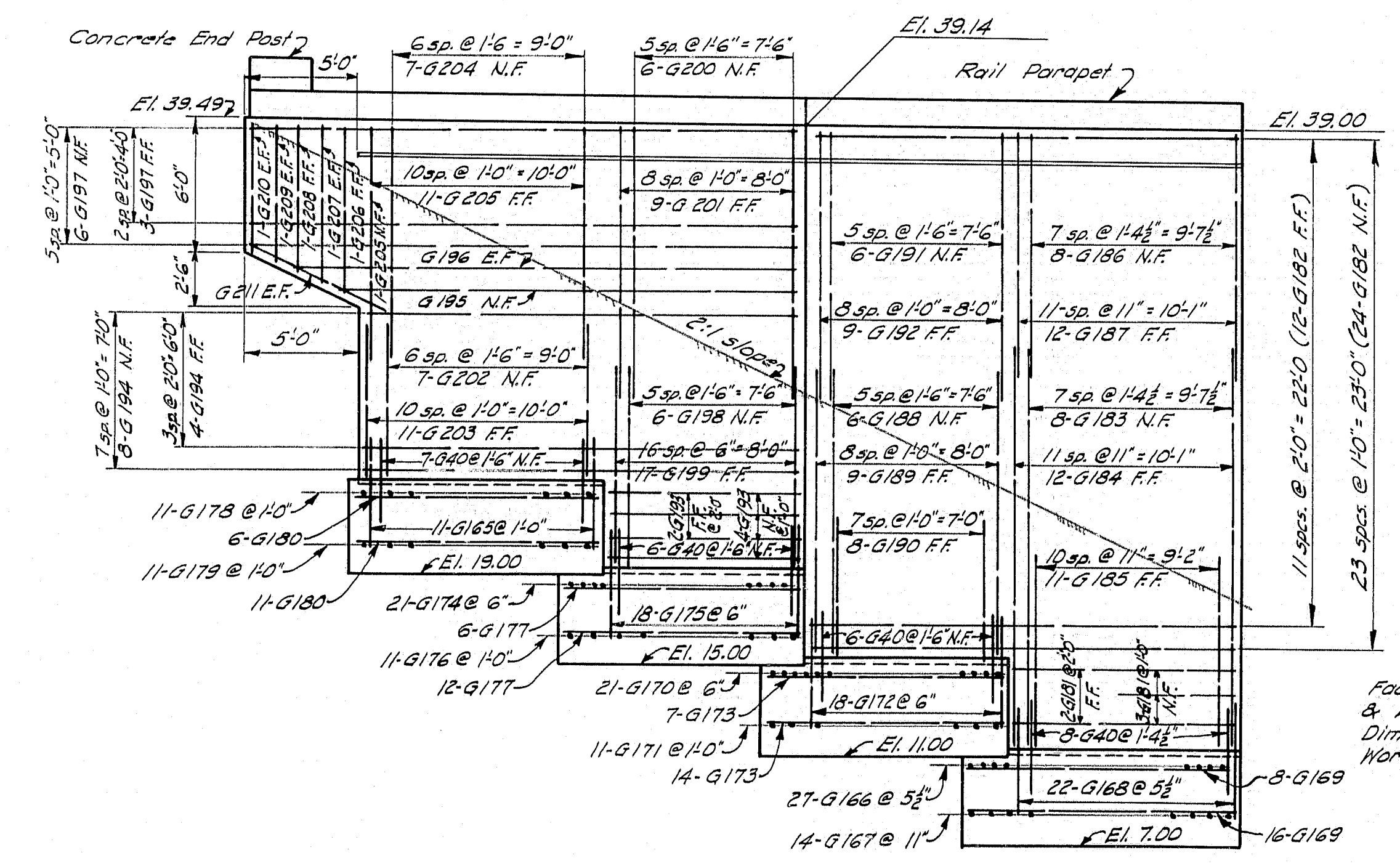
NOTE: Rail Parapet and Concrete Curb not shown See Detail A, sheet #85



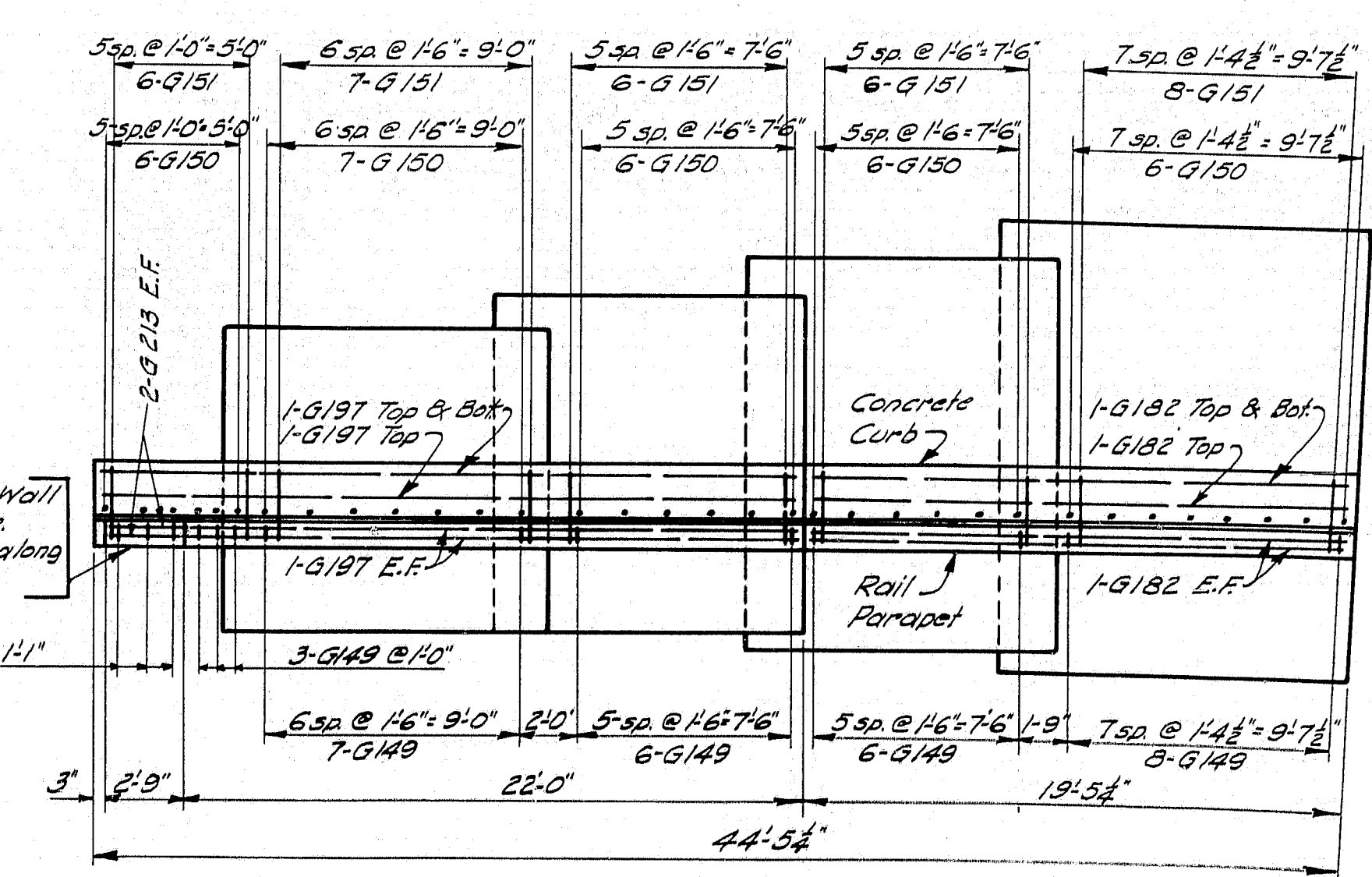
RAILING LOCATION-DIAGRAM



DETAIL B



DEVELOPED ELEVATION A-A



EAST WALL PLAN

NOTE: See "General Notes" sheet #84

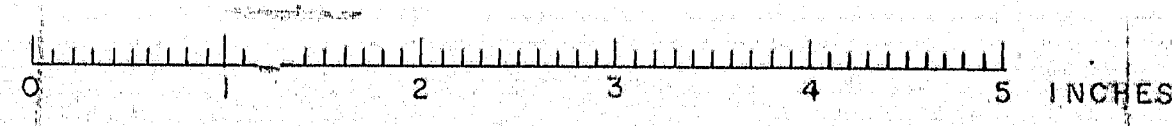
DESIGN - RISSEL DET. - A.H.R. BRIDGE NO. SURVEY PLOT -
 TRACE - CLARK
 CHECK - E.A.M. C.A.B. 86-86

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

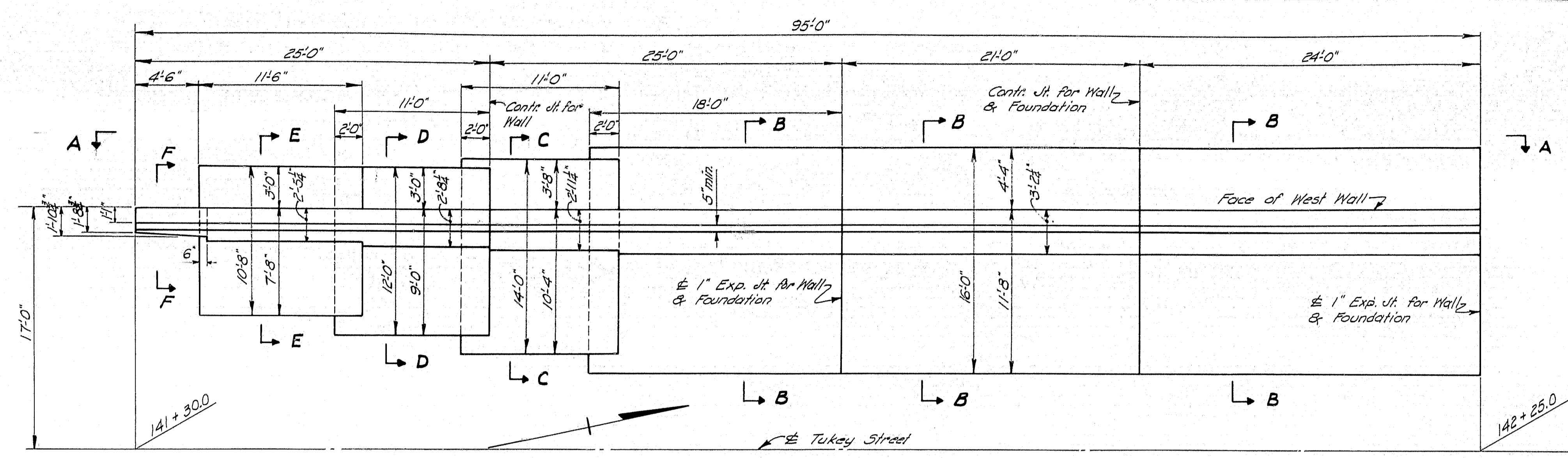
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY

OVERPASS NO. 1
 ABUTMENT NO. 1 - EAST WALL

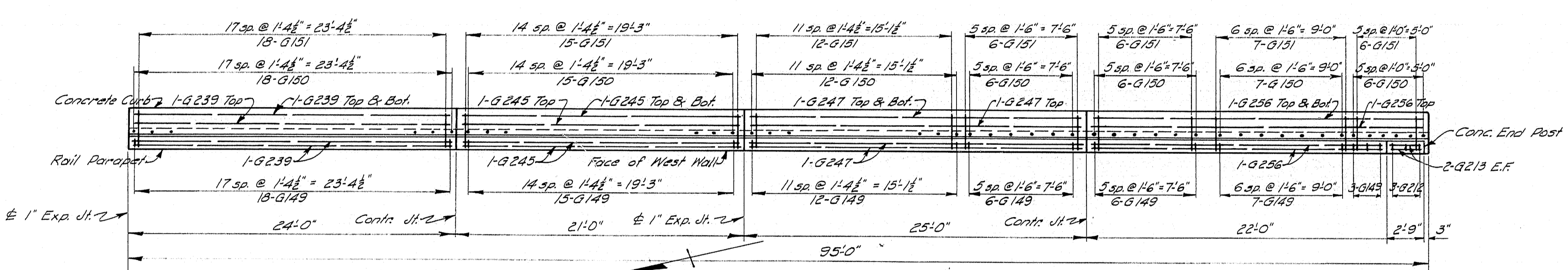
SHEET 86 OF 166 AUGUSTA, MAINE OCT. 1957



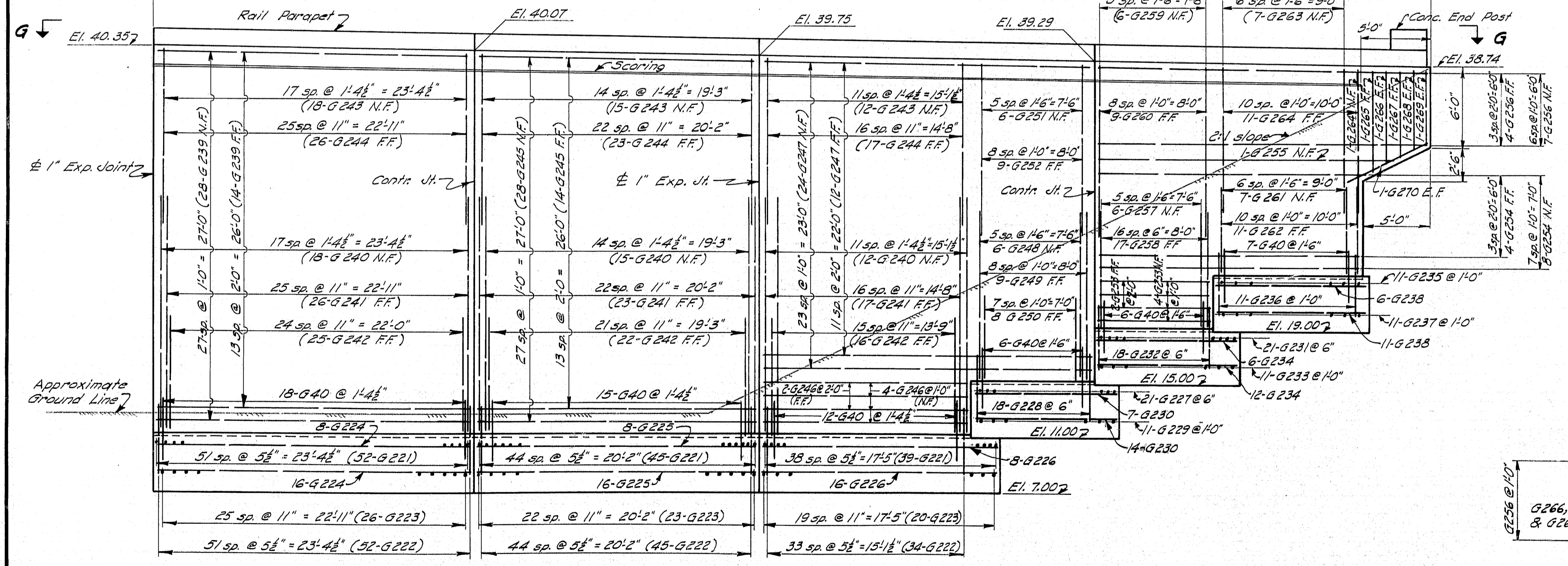
B. P. R. No. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-092-144	87	166



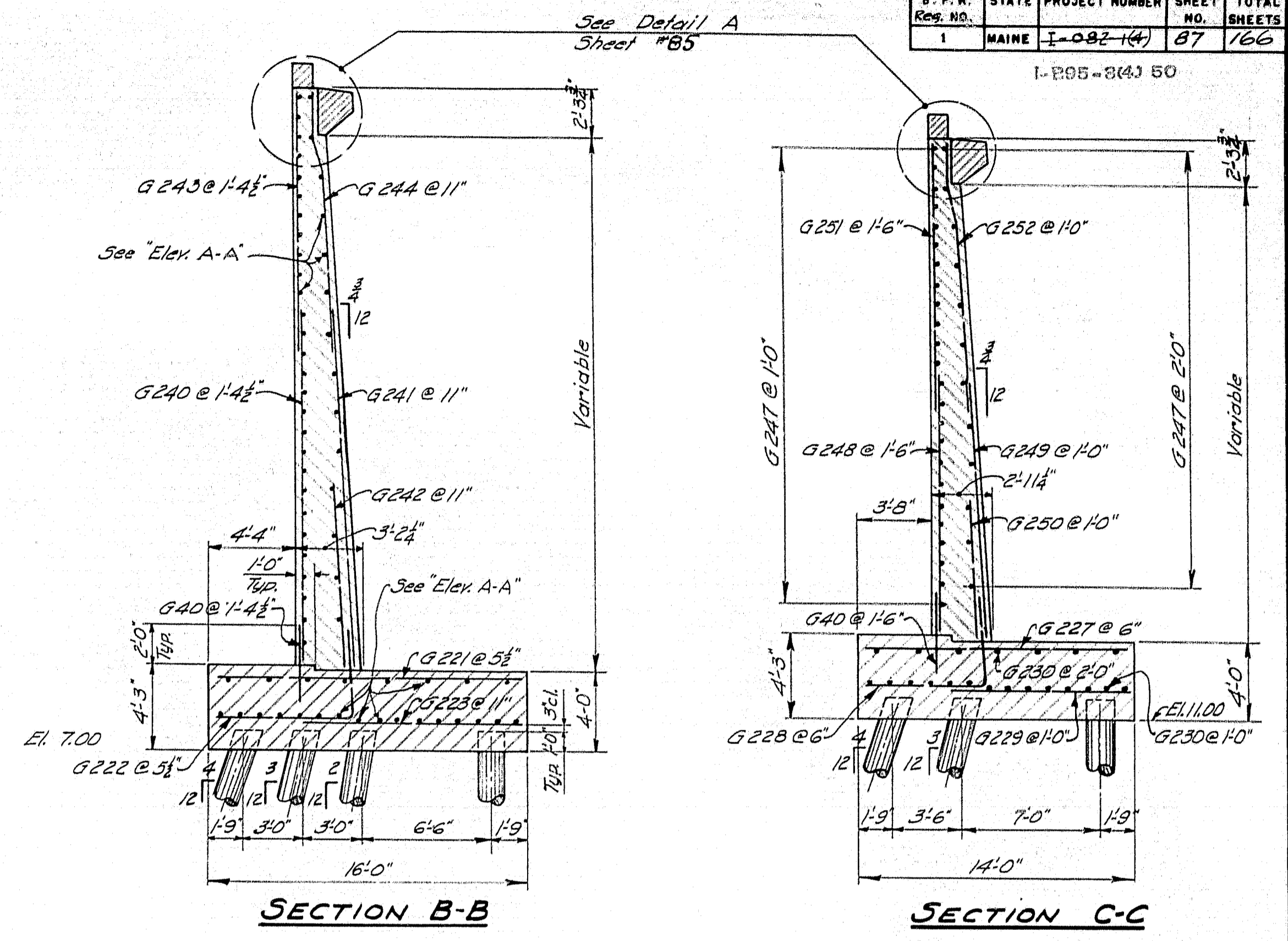
WEST WALL PLAN
 Rail Parapet & Concrete Curb not shown.
 See detail A, sheet #85



PLAN G-G
 Showing Rail Parapet, Concrete Curb & Concrete End Post

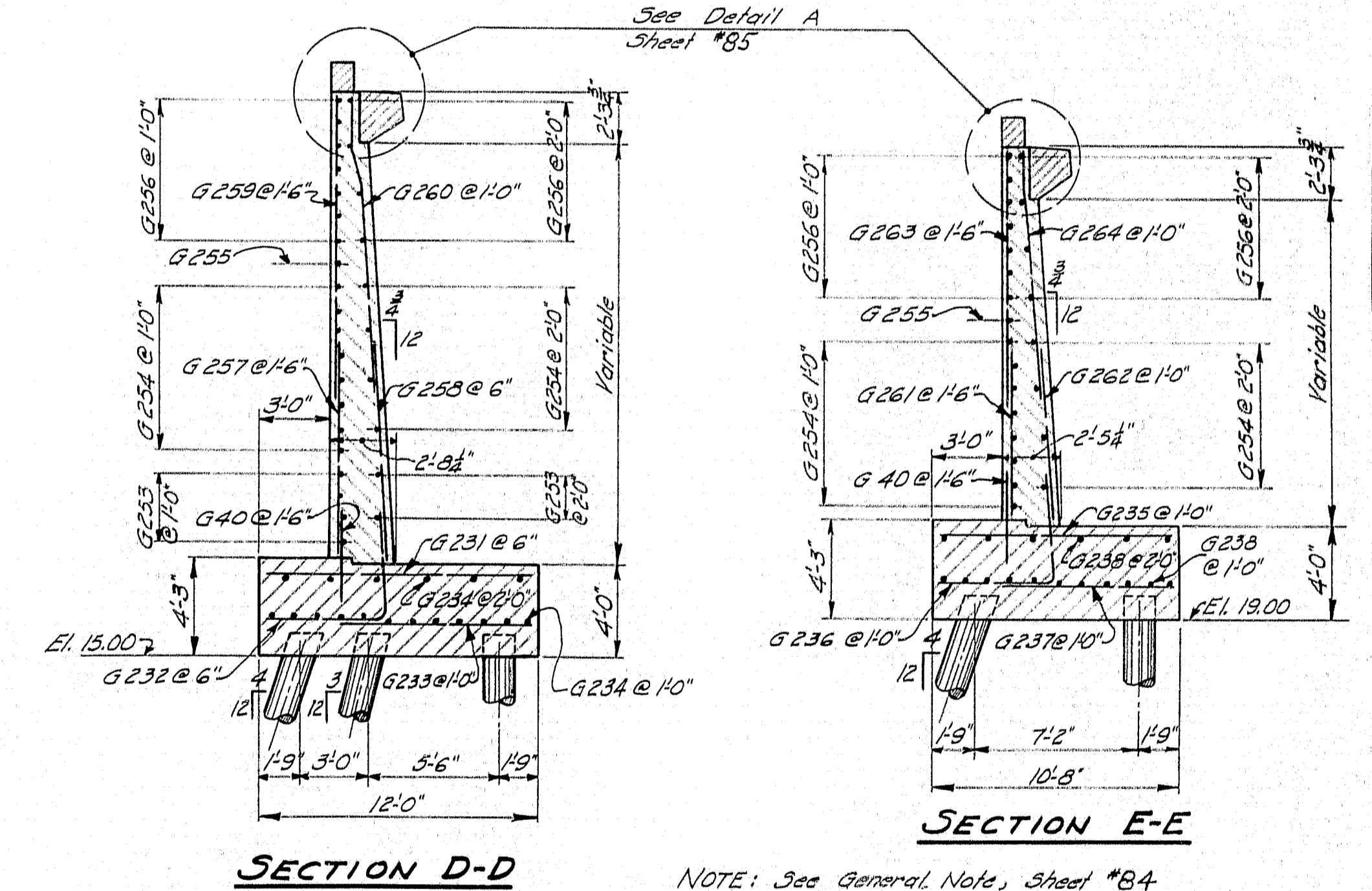


ELEVATION A-A



SECTION B-B

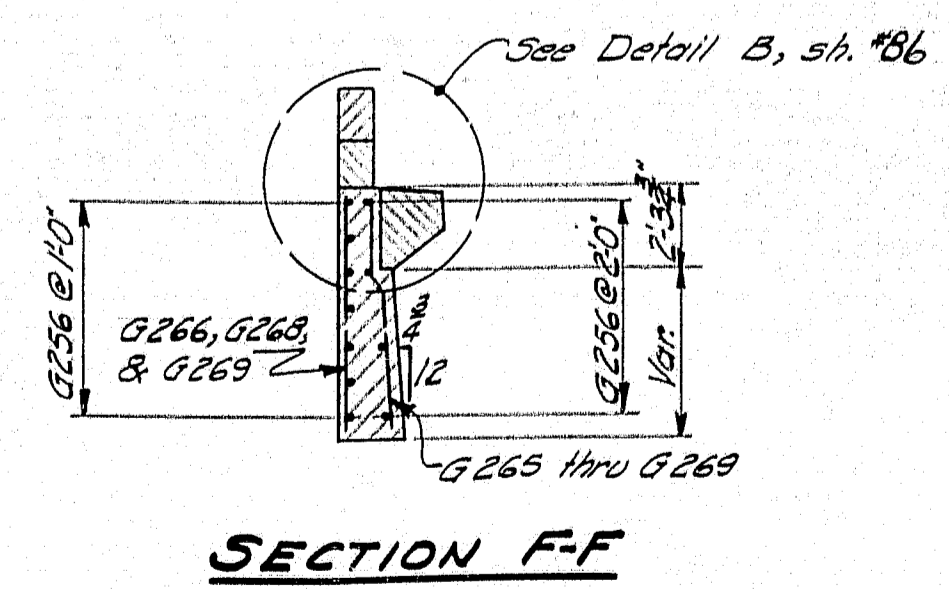
SECTION C-C



SECTION D-D

SECTION E-E

NOTE: See General Note, Sheet #84



SECTION F-F

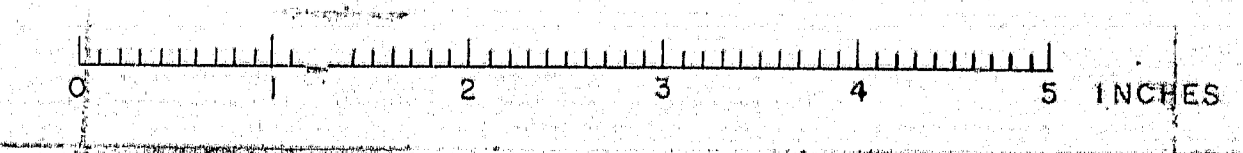
DESIGN - RISSEL DET. - A.H.R. BRIDGE NO. 101
 TRACE - CLARK SURVEY - 1/10
 CHECK - E.A.M. C.A.B. 2-20-15

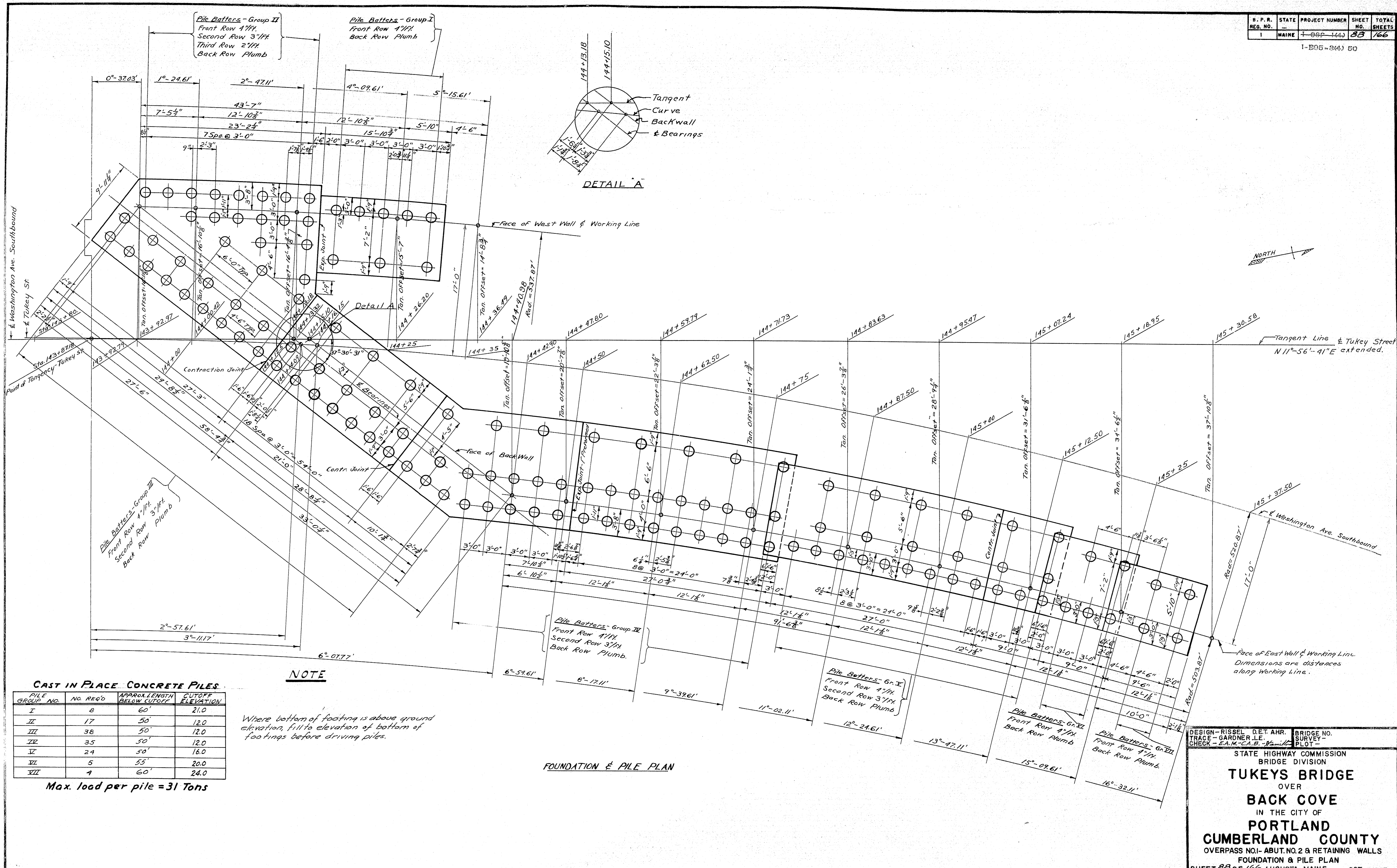
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY

OVERPASS NO. 1
 ABUTMENT NO. 1 - WEST WALL

SHEET 87 OF 166 AUGUSTA, MAINE OCT. 1957





CAST IN PLACE CONCRETE PILES

PILE GROUP NO.	NO. PILES	APPROX. LENGTH BELOW CUTOFF	CUTOFF ELEVATION
I	8	60'	21.0
II	17	50'	12.0
III	38	50'	12.0
IV	35	50'	12.0
V	24	50'	16.0
VI	5	55'	20.0
VII	4	60'	24.0

Max. load per pile = 31 Tons

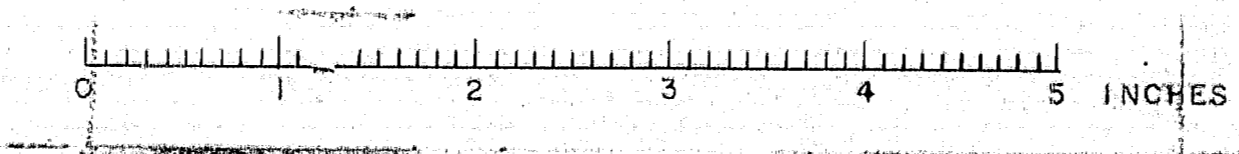
NOTE
Where bottom of footing is above ground elevation, fill to elevation of bottom of footings before driving piles.

FOUNDATION & PILE PLAN

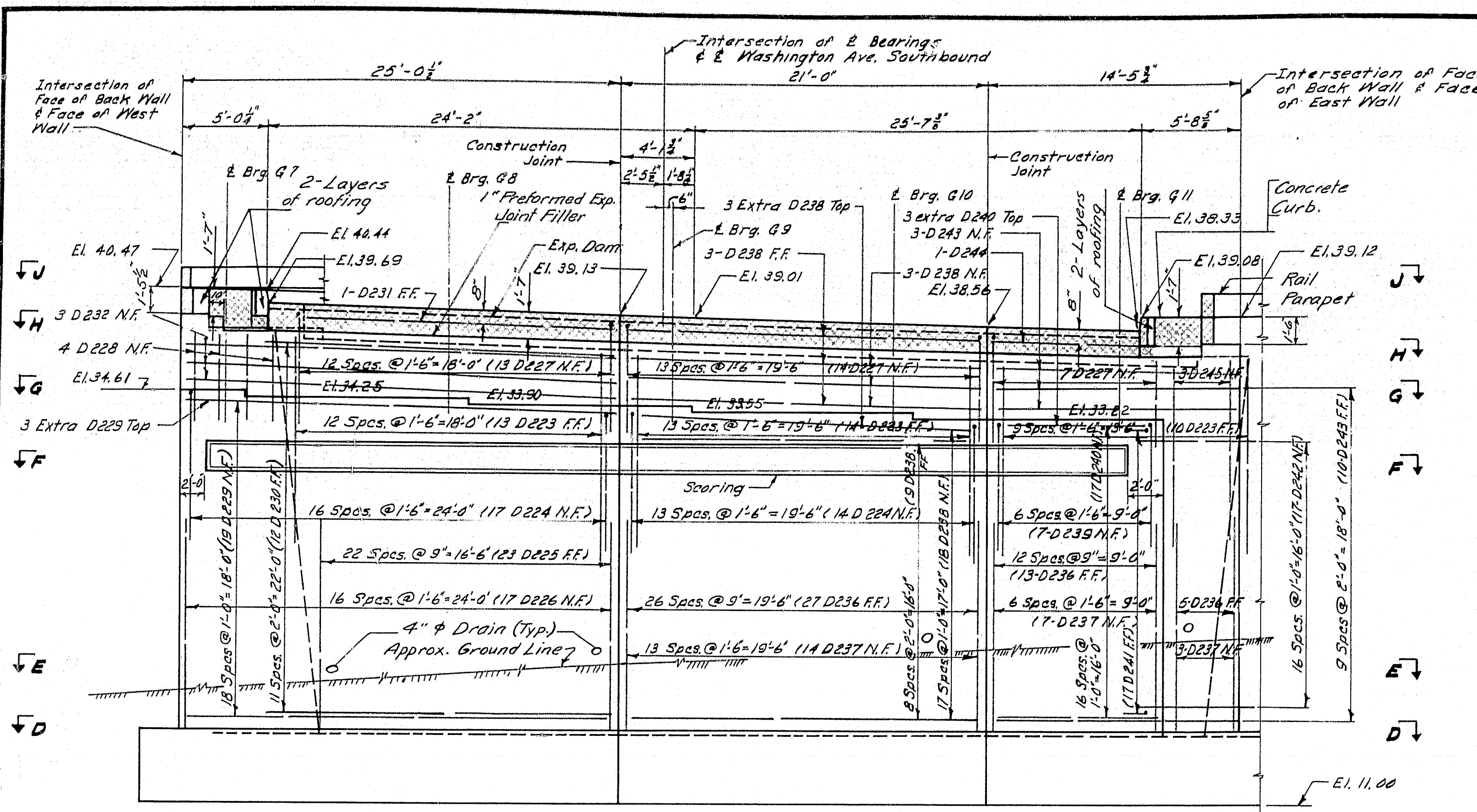
DESIGN - RISSEL D.E.T. AHR. BRIDGE NO. SURVEY - PLOT -
 TRACE - GARDNER L.E. SURVEY - PLOT -
 CHECK - E.A.M.C.A.B. 7-2-57

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

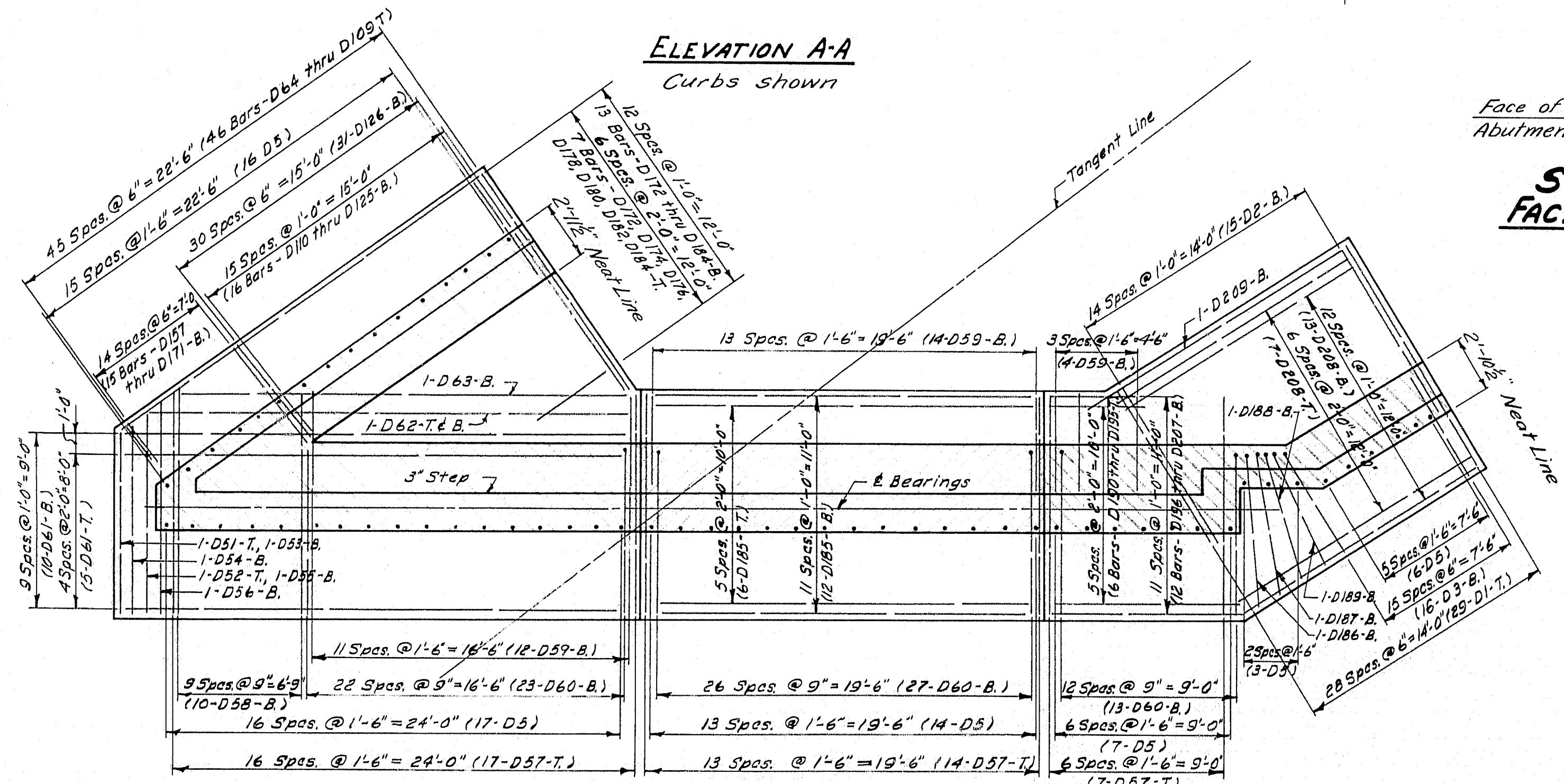
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND CUMBERLAND COUNTY
 OVERPASS NO. 1- ABUT. NO. 2 & RETAINING WALLS
 FOUNDATION & PILE PLAN
 SHEET 83 OF 166 AUGUSTA, MAINE OCT. 1957



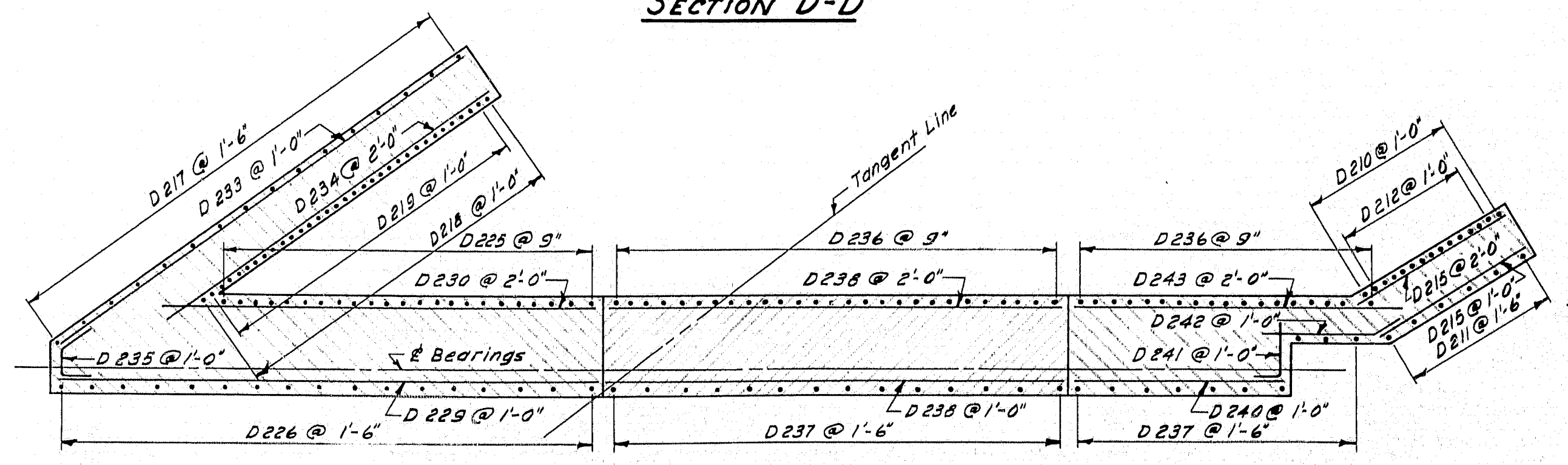
B. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	7-082-144	89	166
1-1905-8(4) 50				



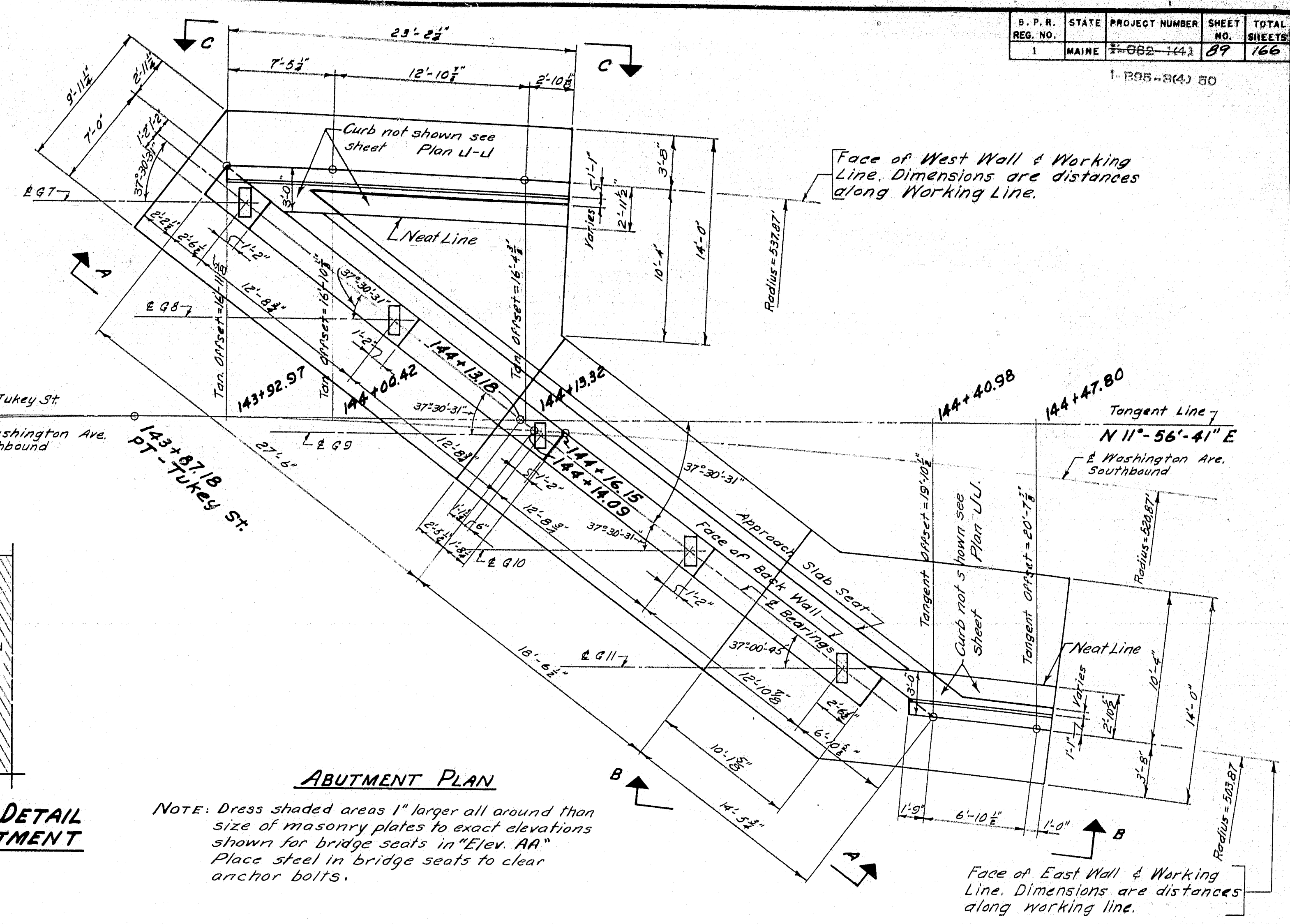
ELEVATION A-A
Curbs shown



SECTION D-D



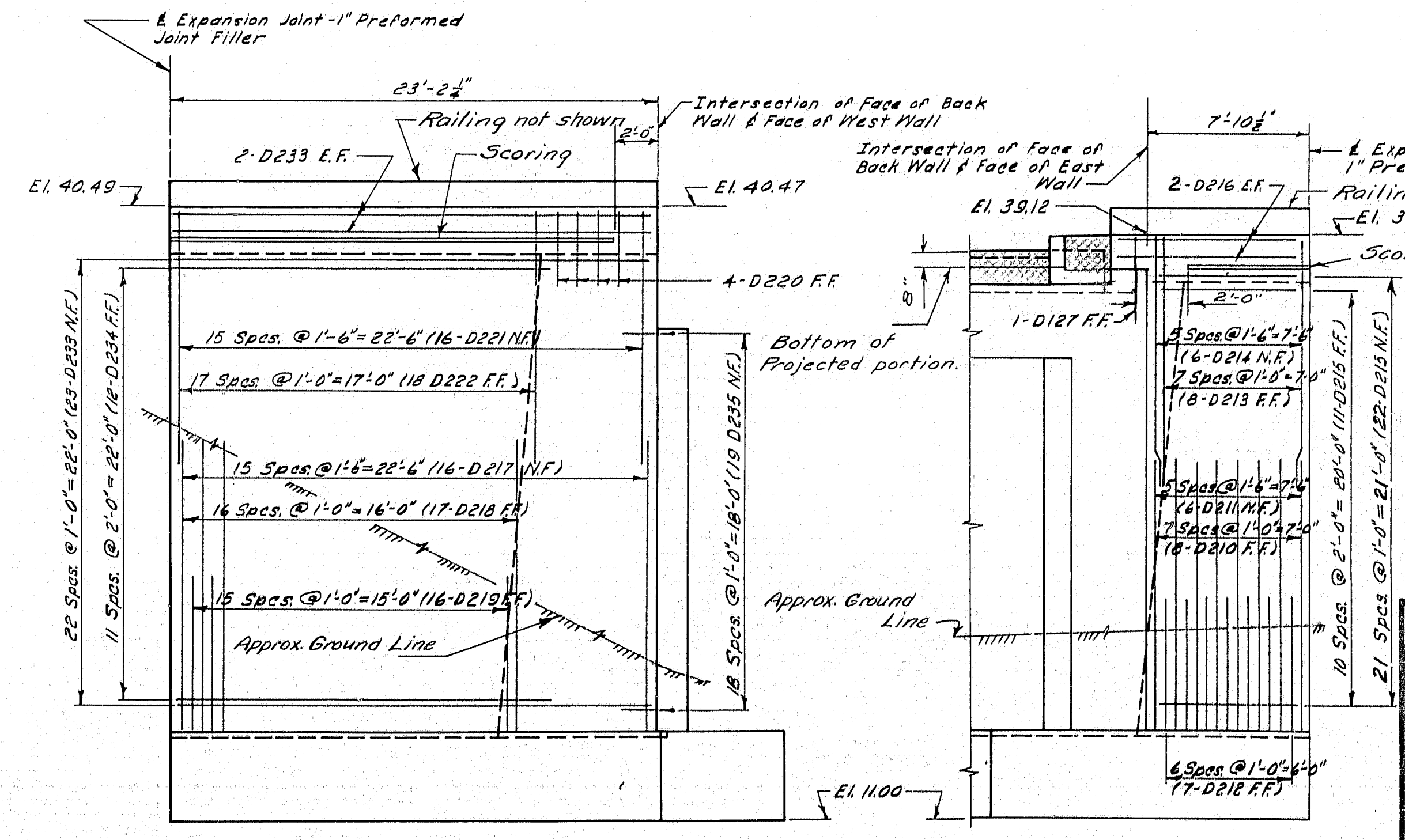
SECTION E-E



ABUTMENT PLAN

NOTE: Dress shaded areas 1" larger all around than size of masonry plates to exact elevations shown for bridge seats in "Elev. AA". Place steel in bridge seats to clear anchor bolts.

SCORING DETAIL
FACE OF ABUTMENT



ELEVATION C-C

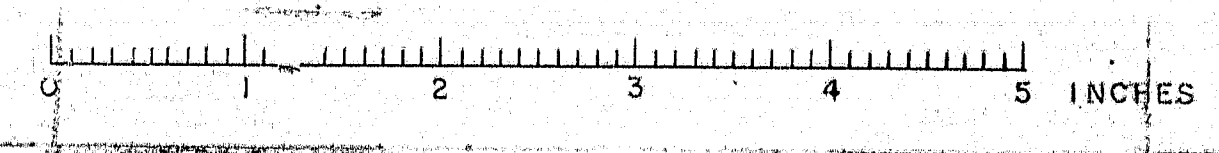
ELEVATION B-B
Curb shown

NOTE: See General Note, sheet No. 84.

Work this sheet with sheet No. 90.

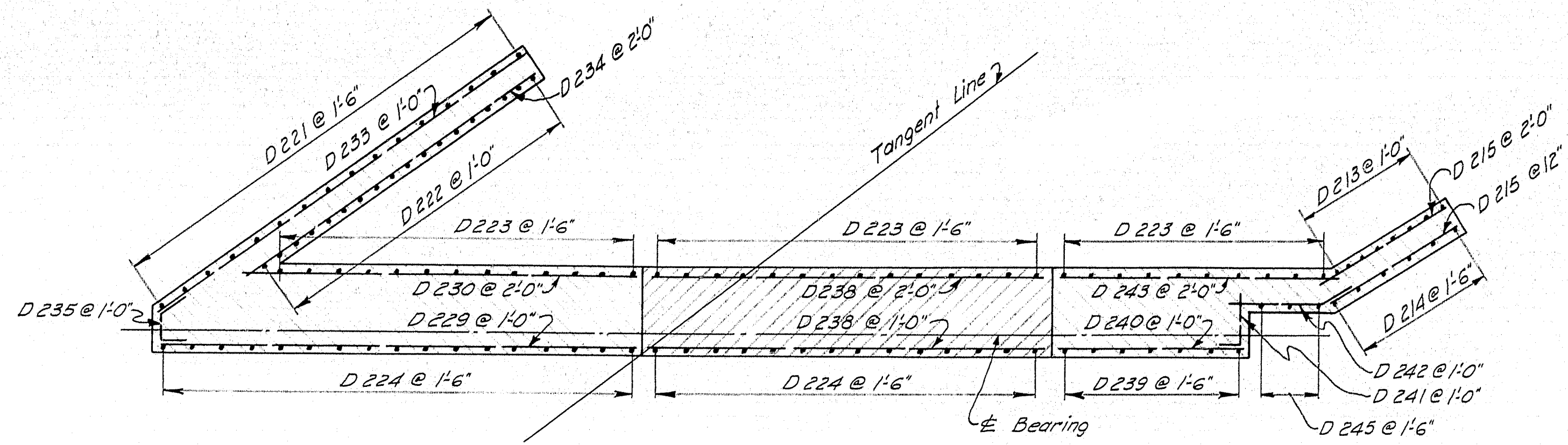
DESIGN - RISSEL, DET.-A.H.R.	BRIDGE NO.
TRACE - AULT	SURVEY
CHECK - E.A.M.-C.A.B.-P.H.W.	PLOT

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
OVERPASS NO. 1
ABUTMENT NO. 2

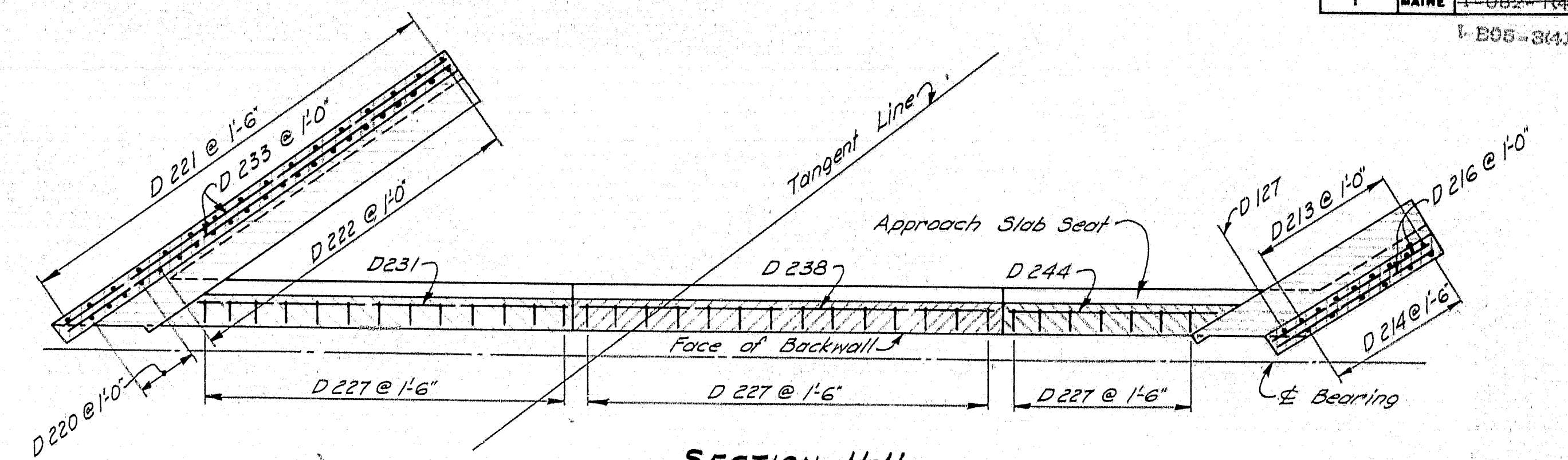


S. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
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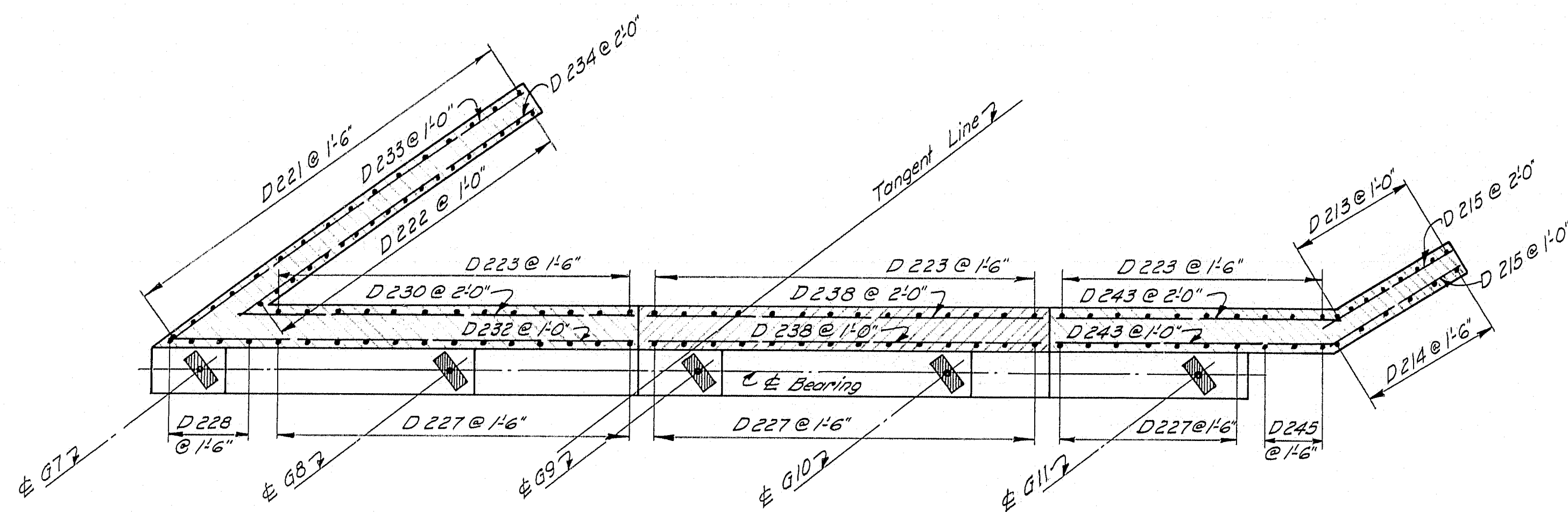
1-B05-3(4) 80



SECTION F-F

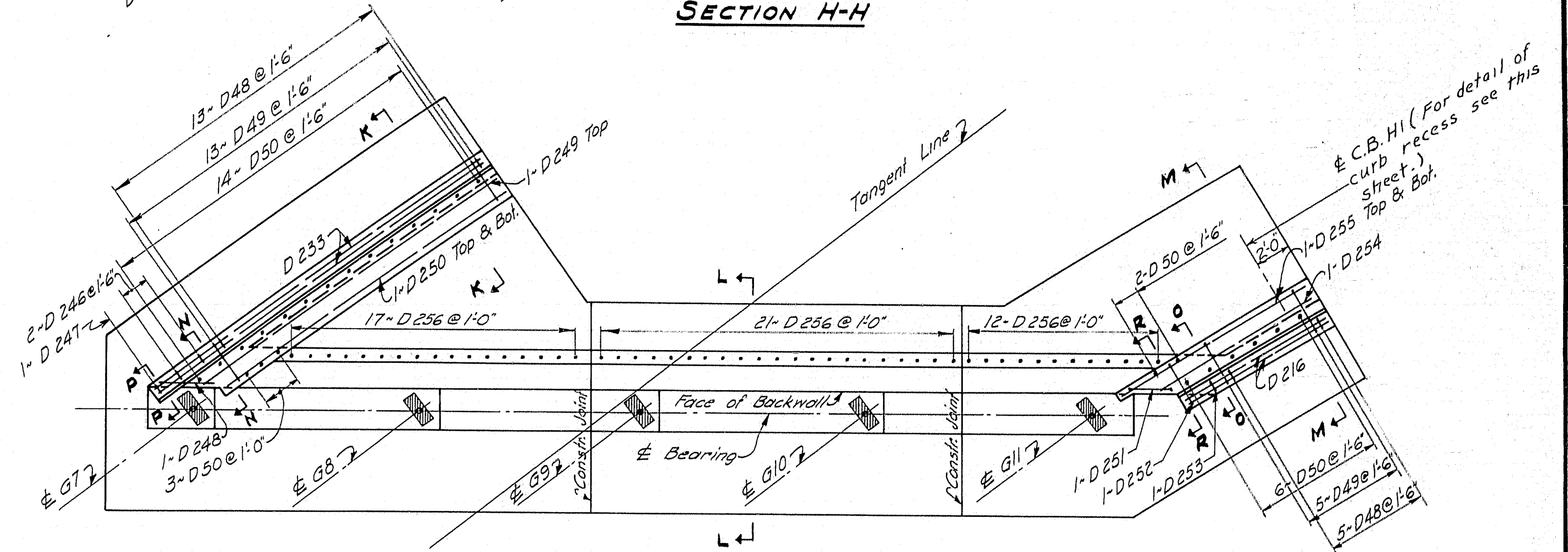


SECTION H-H



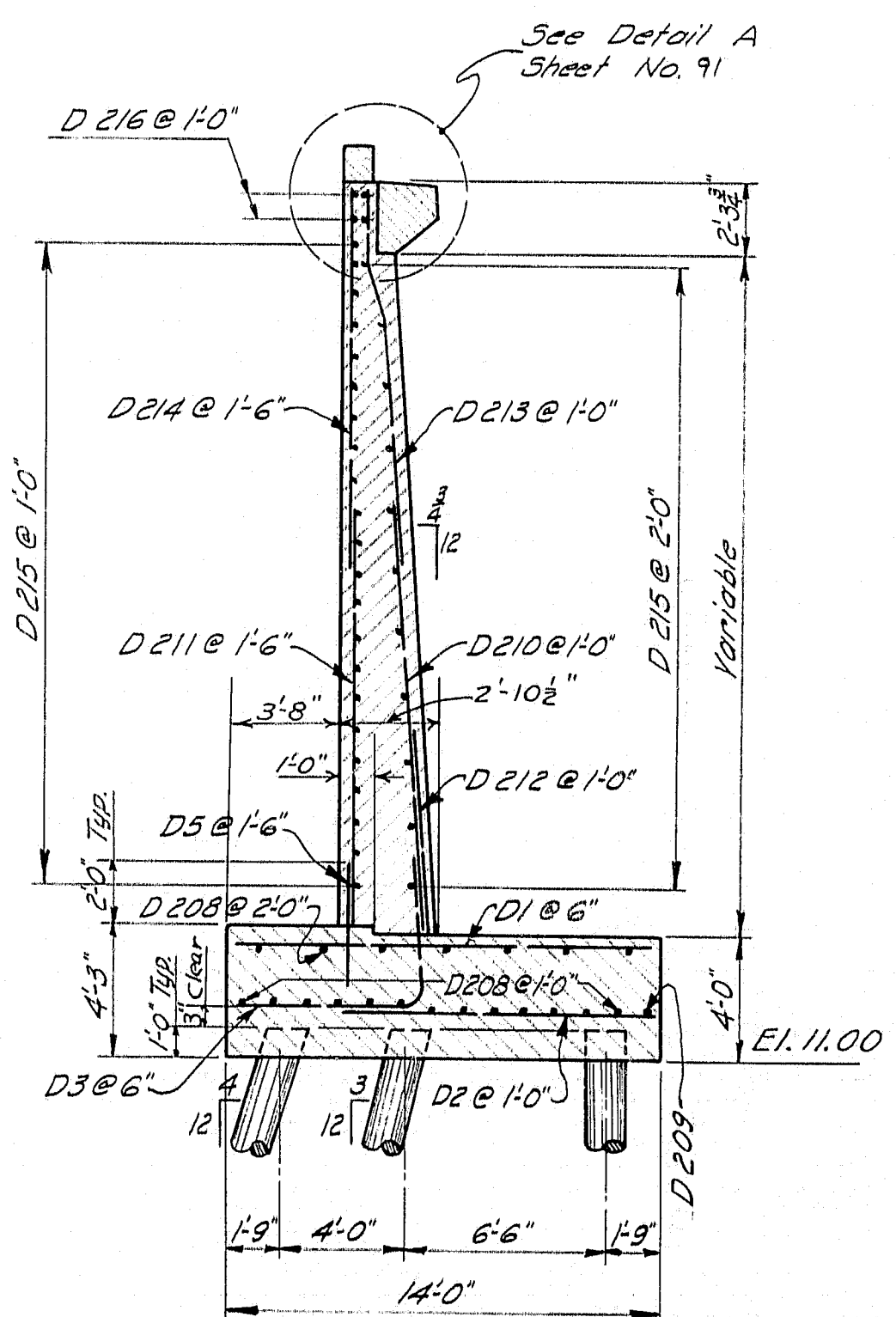
SECTION G-G

1" Preformed Exp Joint Filler and Exp Dam ED 6A & ED 5A

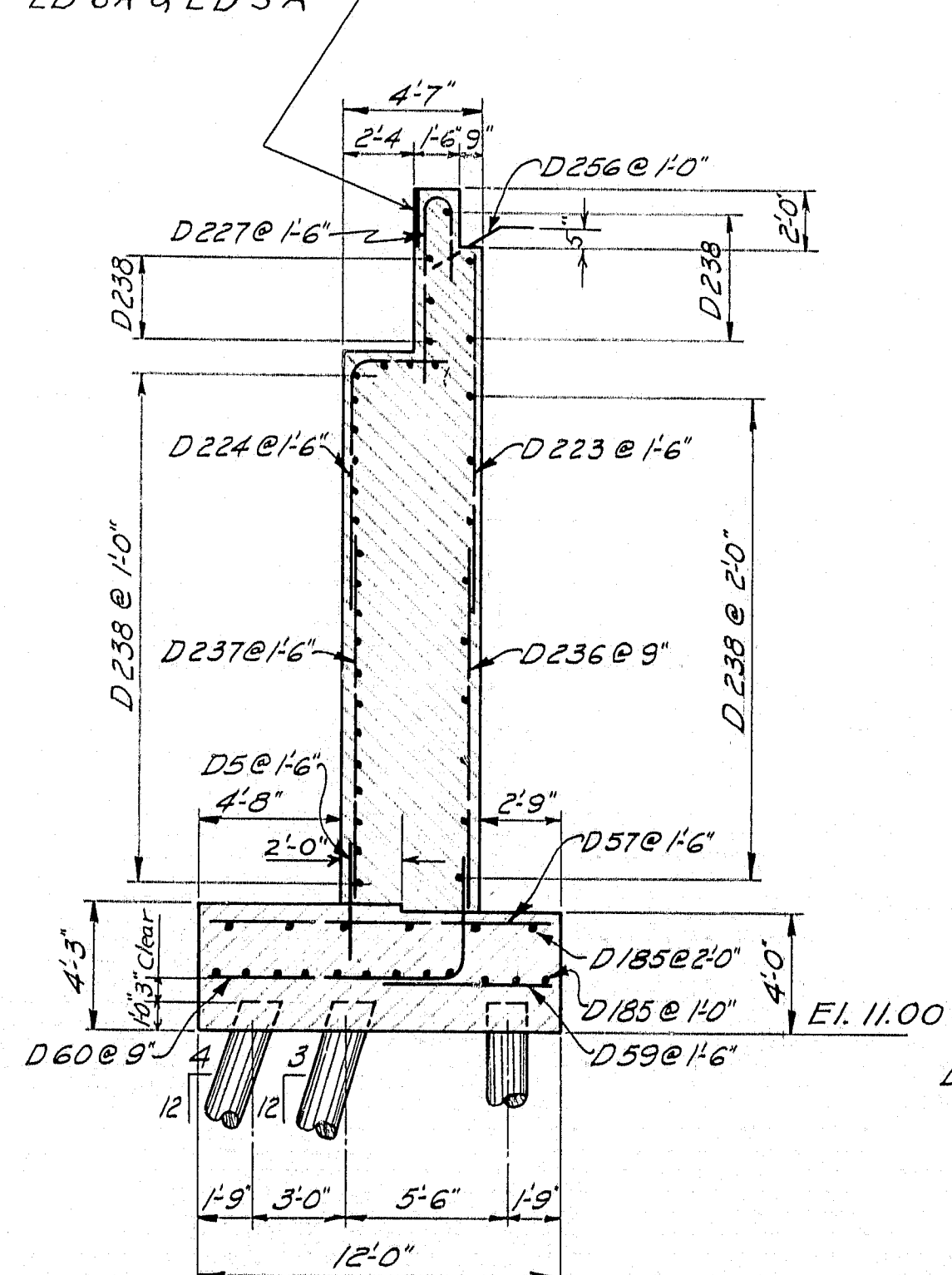


PLAN J-J

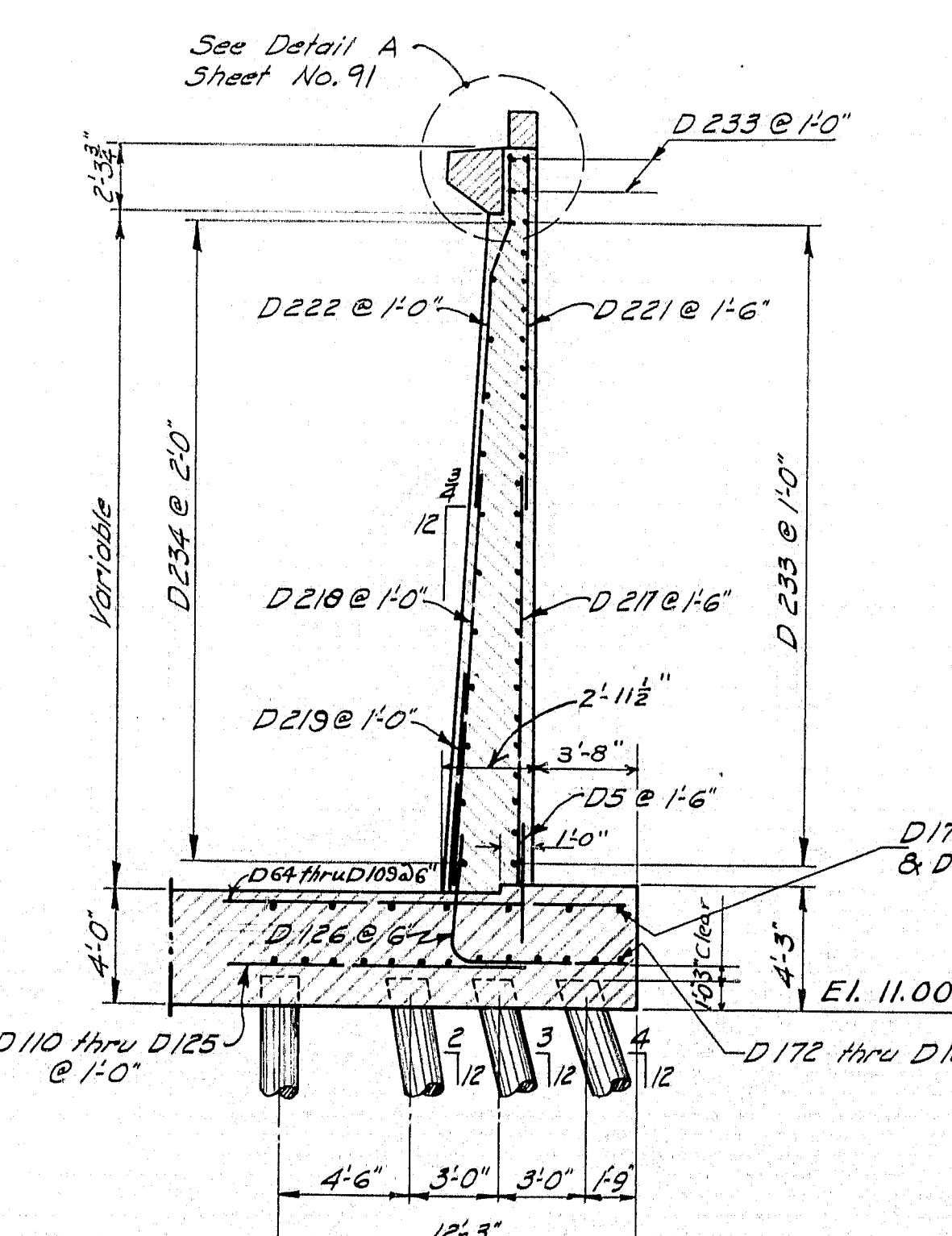
Place reinforcing steel in bridge seat to clear anchor bolts. 3" min. clear all reinf. steel.



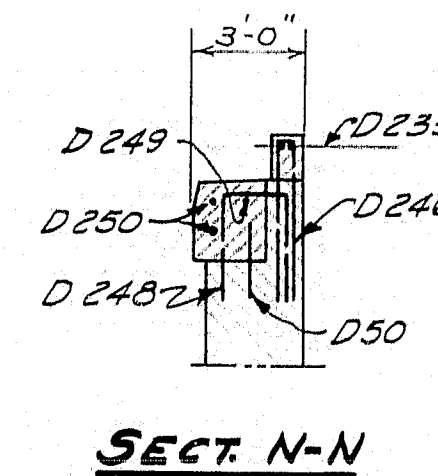
SECTION M-M



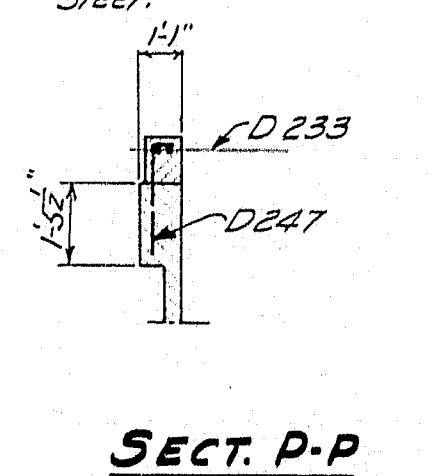
SECTION L-L



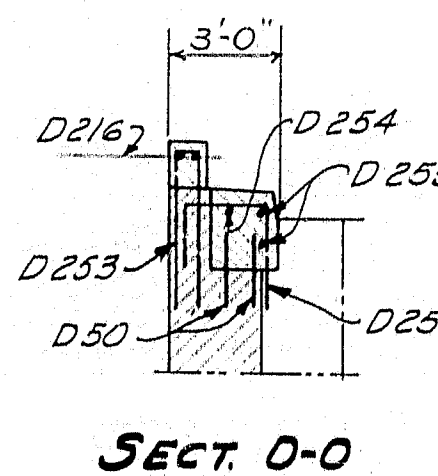
SECTION K-K



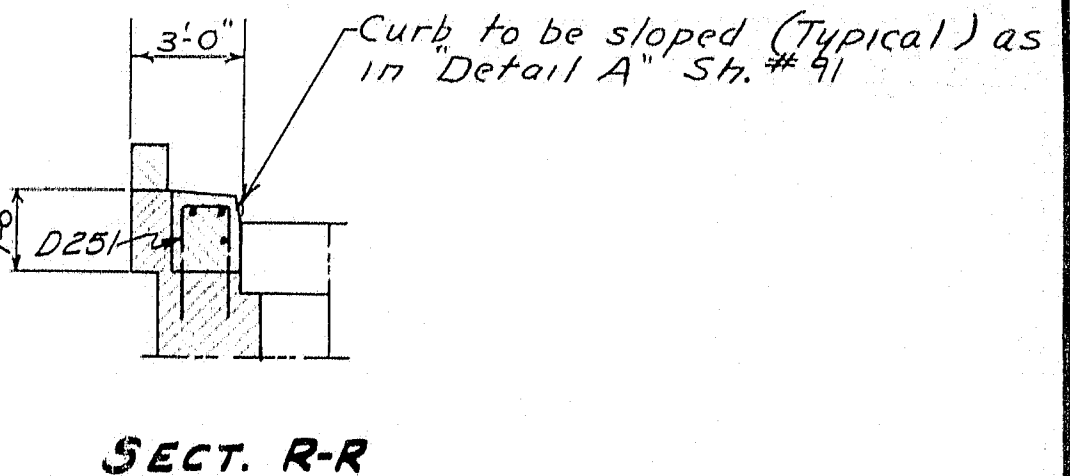
SECT. N-N



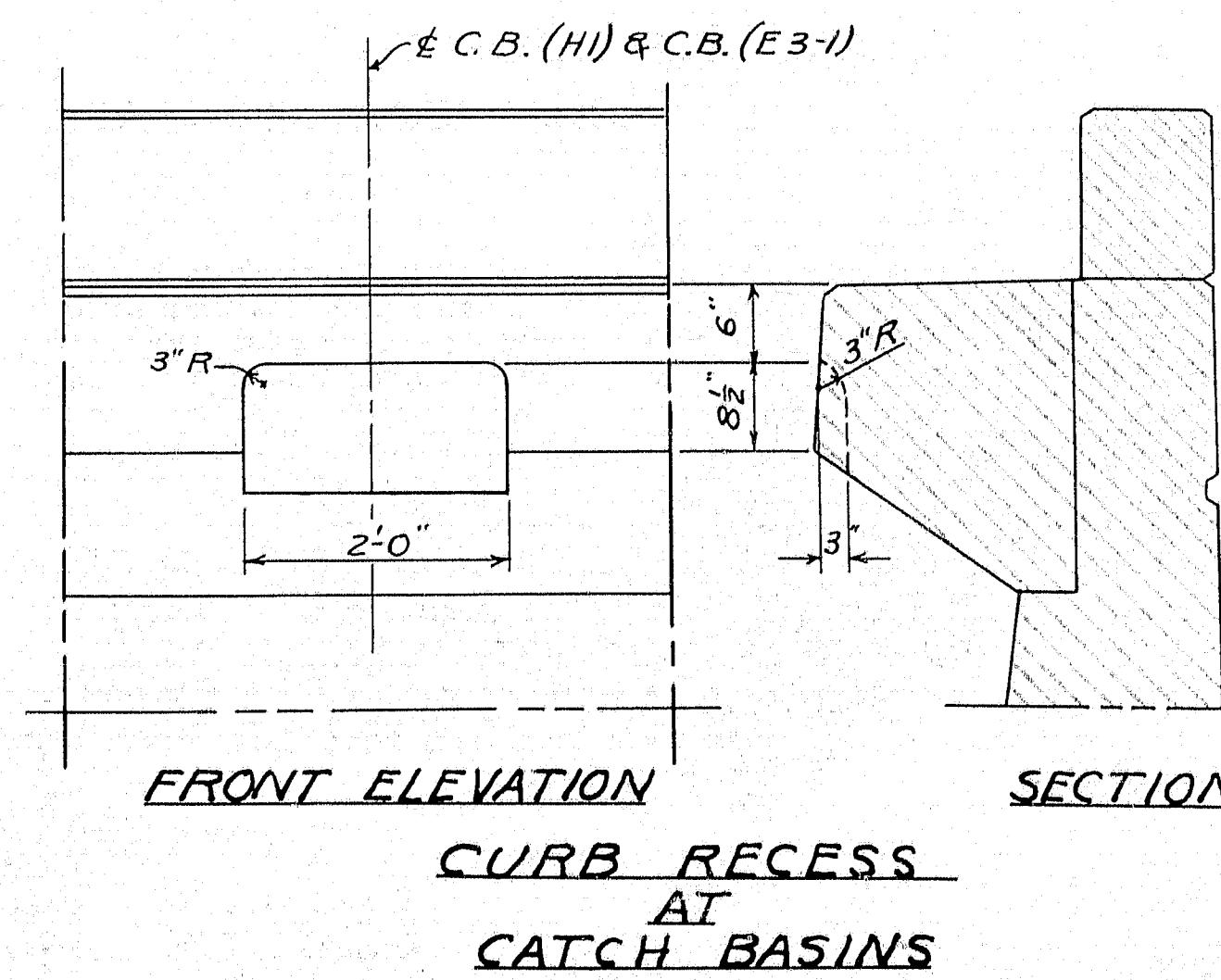
SECT. P-P



SECT. O-O



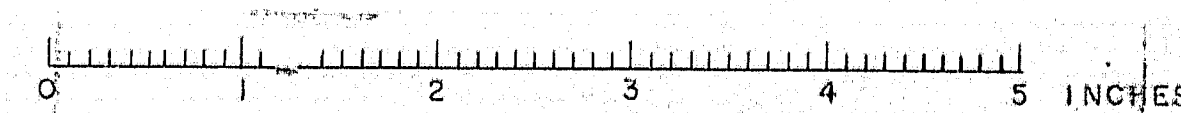
SECT. R-R



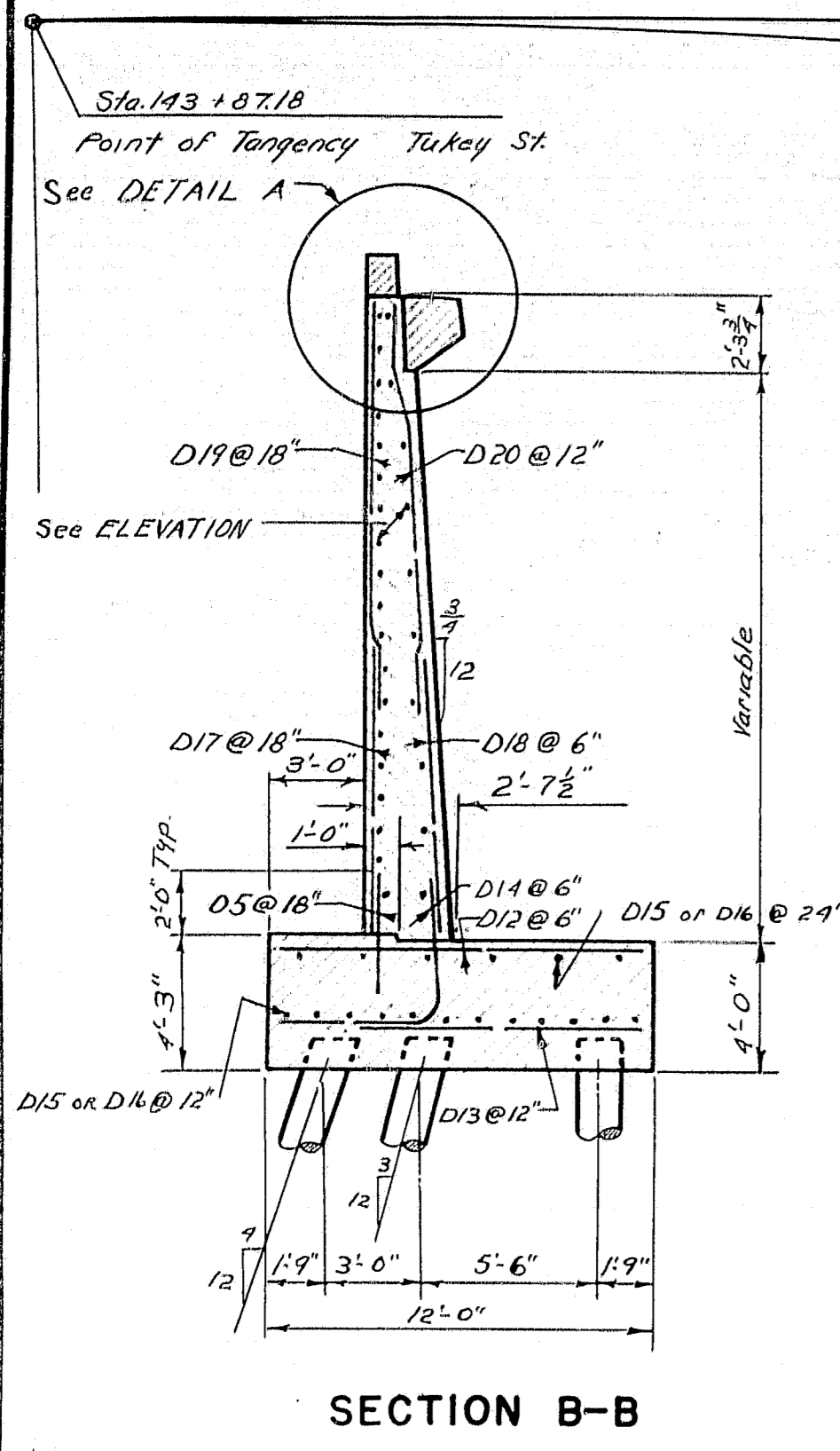
Note: See General Note - Sheet No. 84

Work this sheet with Sheet No. 89

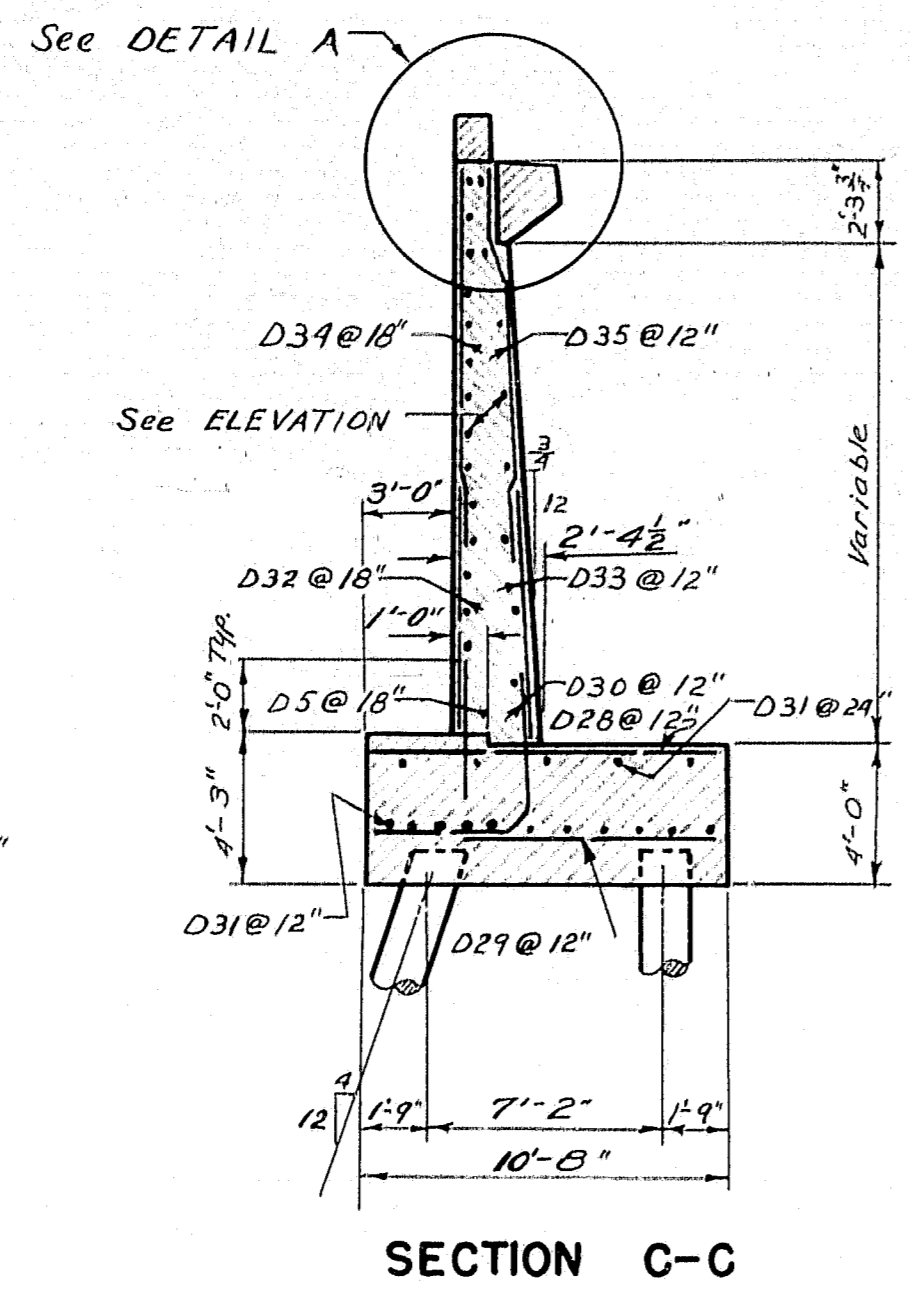
DESIGN - RISSEL	DET. - A.H.R.	BRIDGE NO.
TRACE - CLARK	SURVEY -	
CHECK - E.A.M. & A.B.	PL. -	
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
TUKEYS BRIDGE OVER BACK COVE IN THE CITY OF PORTLAND CUMBERLAND COUNTY		
OVERPASS NO. 1 ABUTMENT NO. 2		
SHEET 90 OF 146 AUGUSTA, MAINE OCT. 1957		



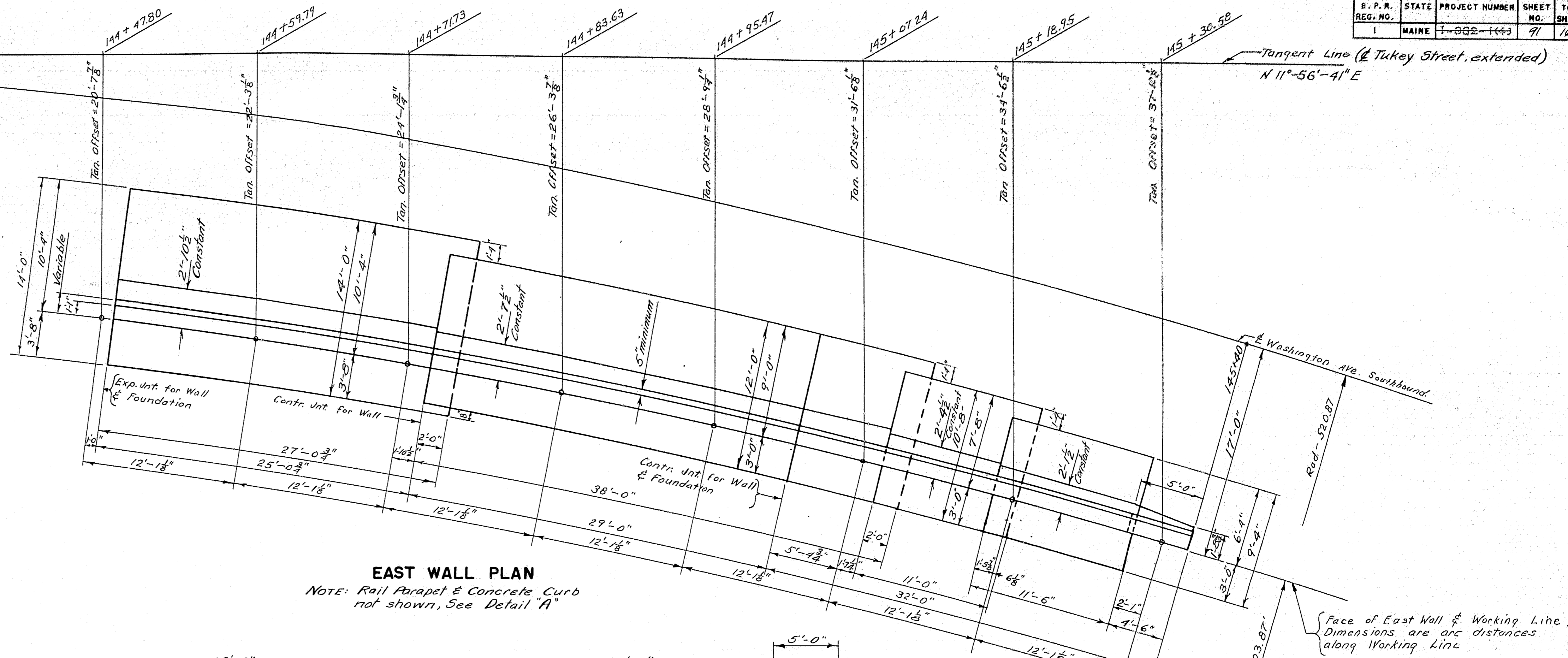
S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-882-1443	91	160



SECTION B-B

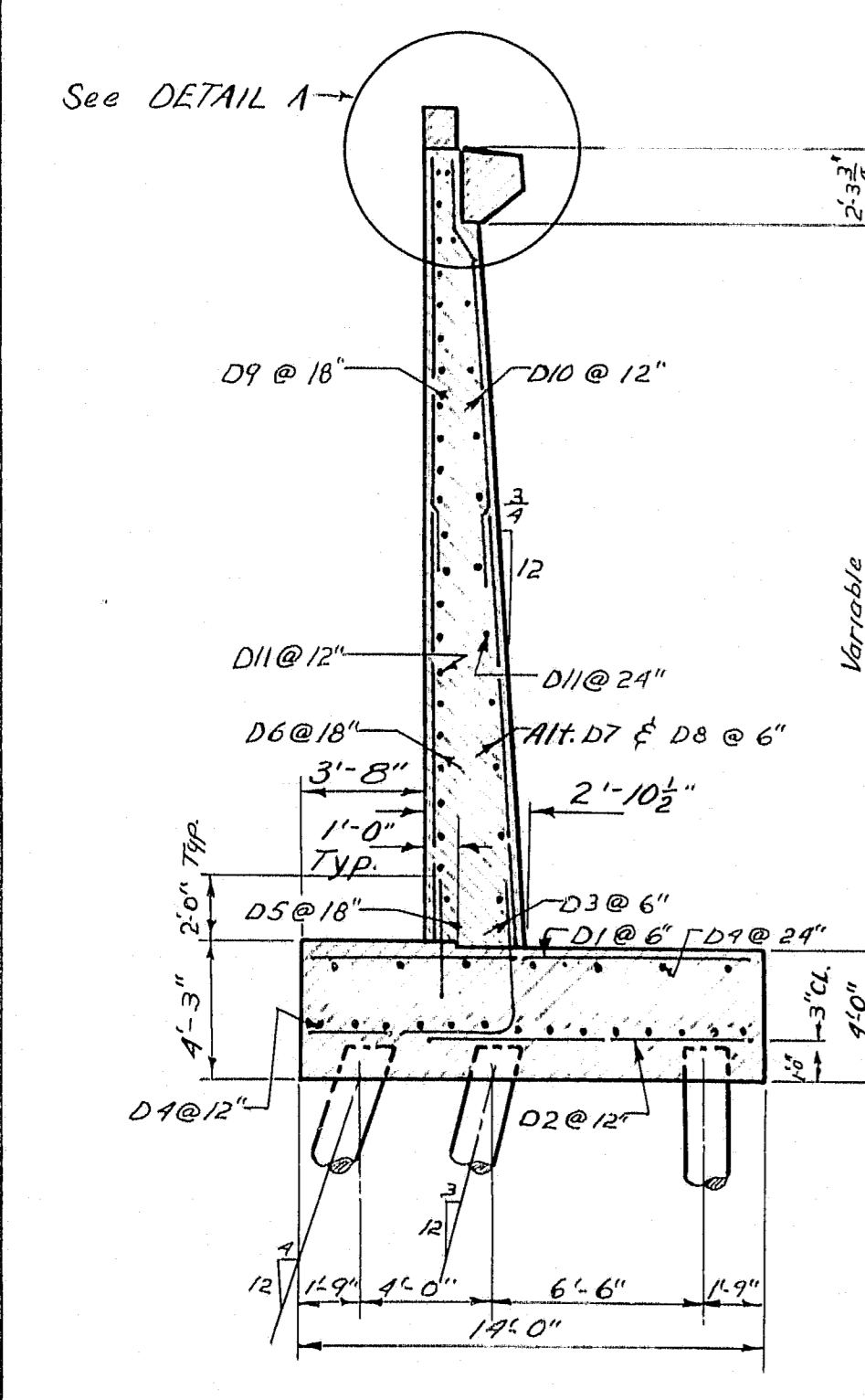


SECTION C-C

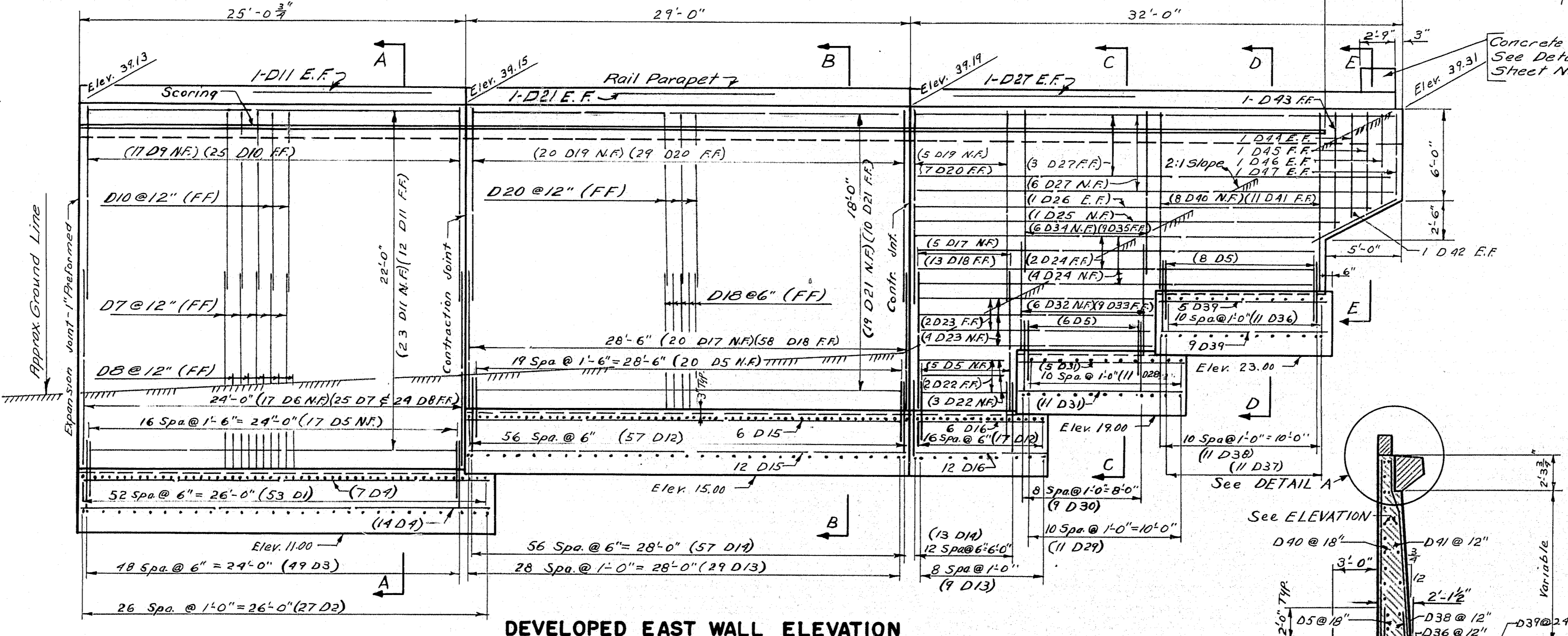


EAST WALL PLAN

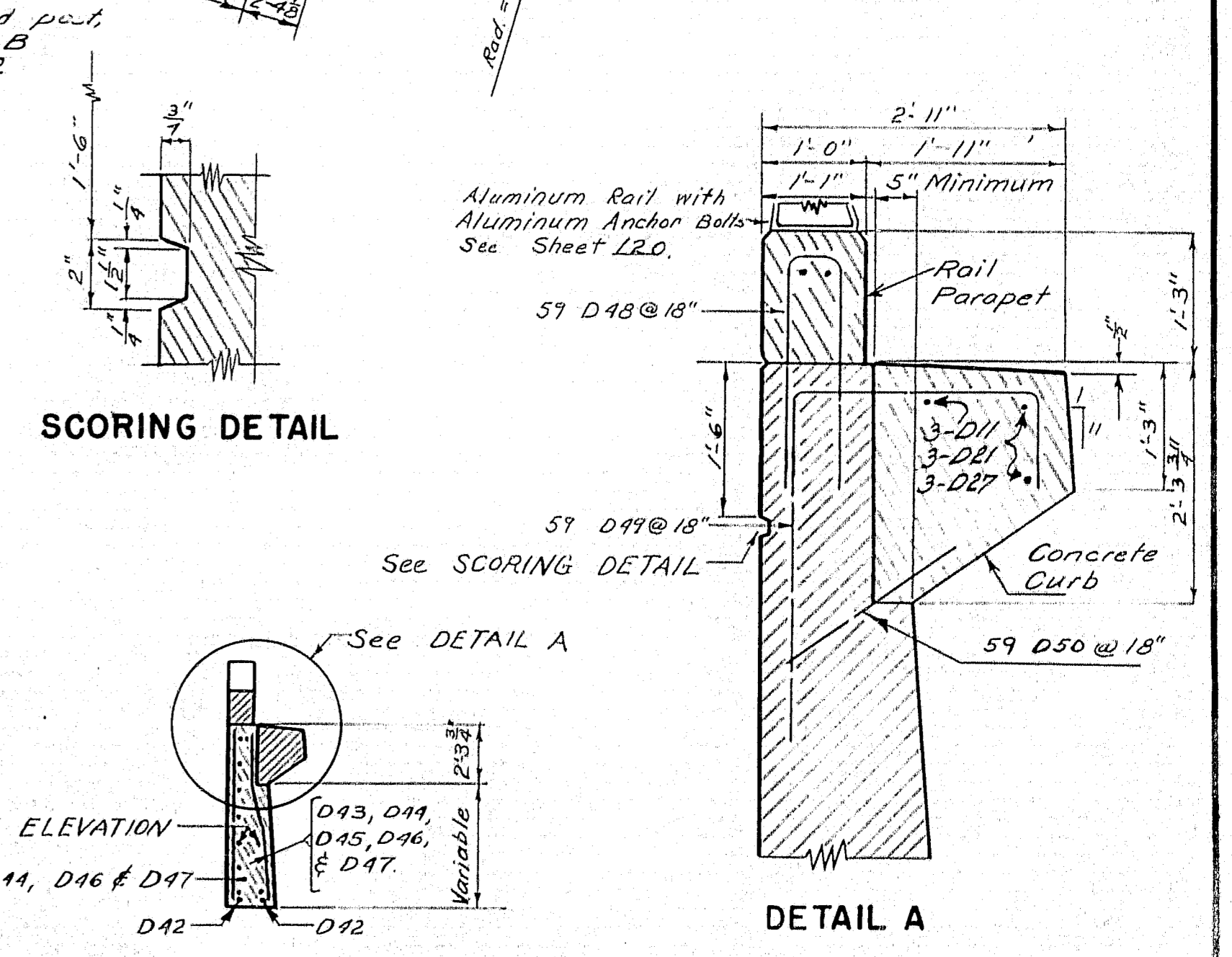
NOTE: Rail Parapet & Concrete Curb not shown, See Detail A



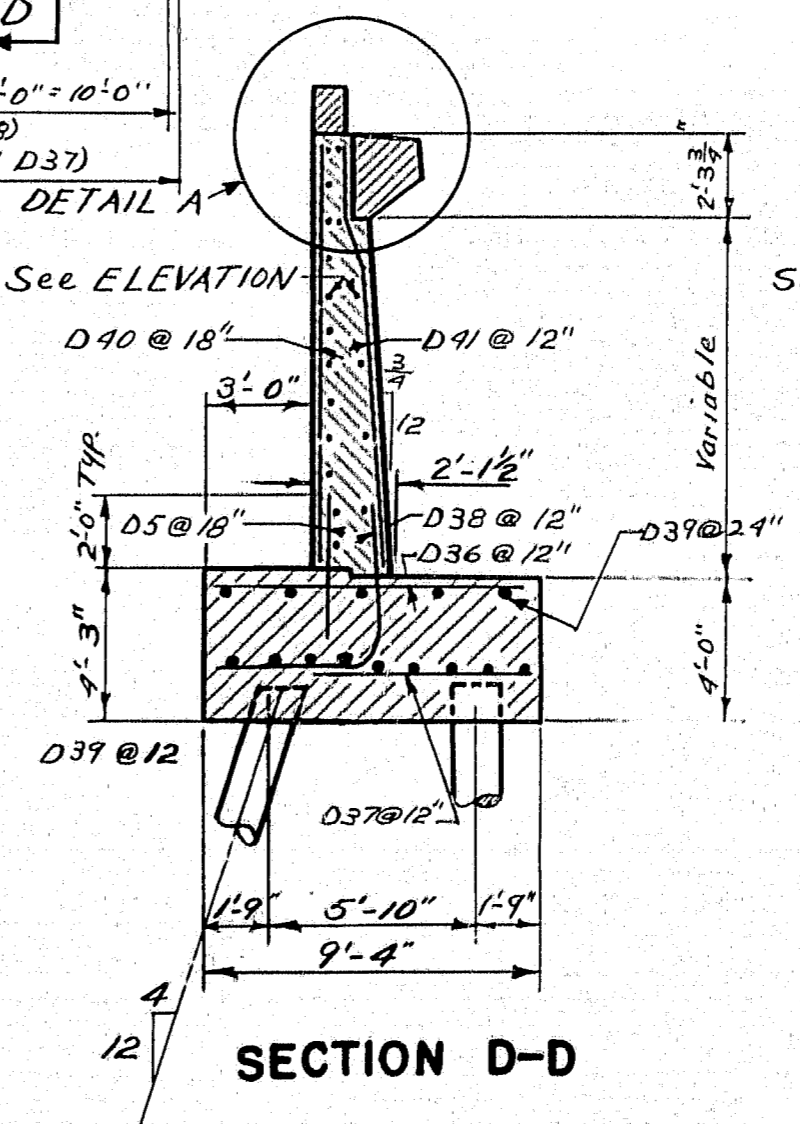
SECTION A-A



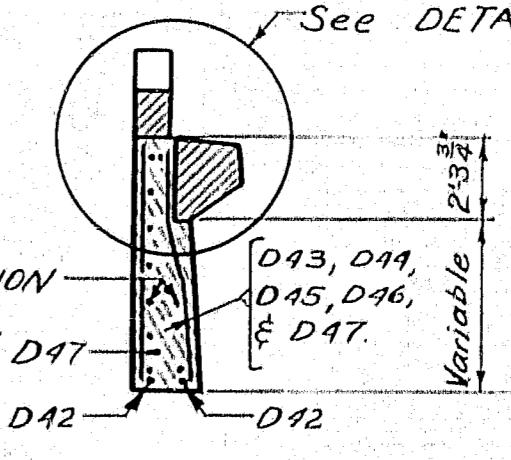
DEVELOPED EAST WALL ELEVATION FRONT



SCORING DETAIL



SECTION D-D



SECTION E-E

Note: See General Note, Sheet No. 84

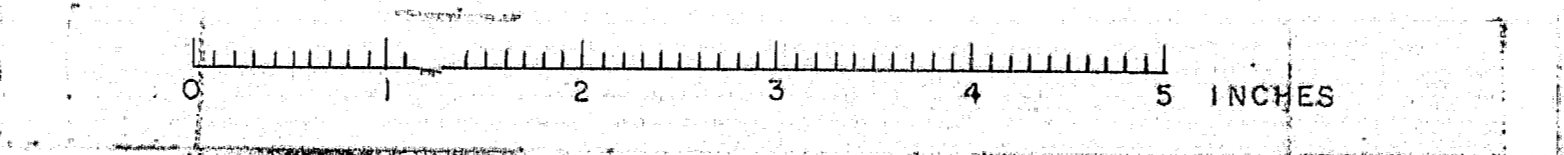
DESIGN - RISSEL DET. A.H.R.	BRIDGE NO.
TRACE - GARDNER	SURVEY -
CHECK - E.A.M. G.A.R. R.S.	PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

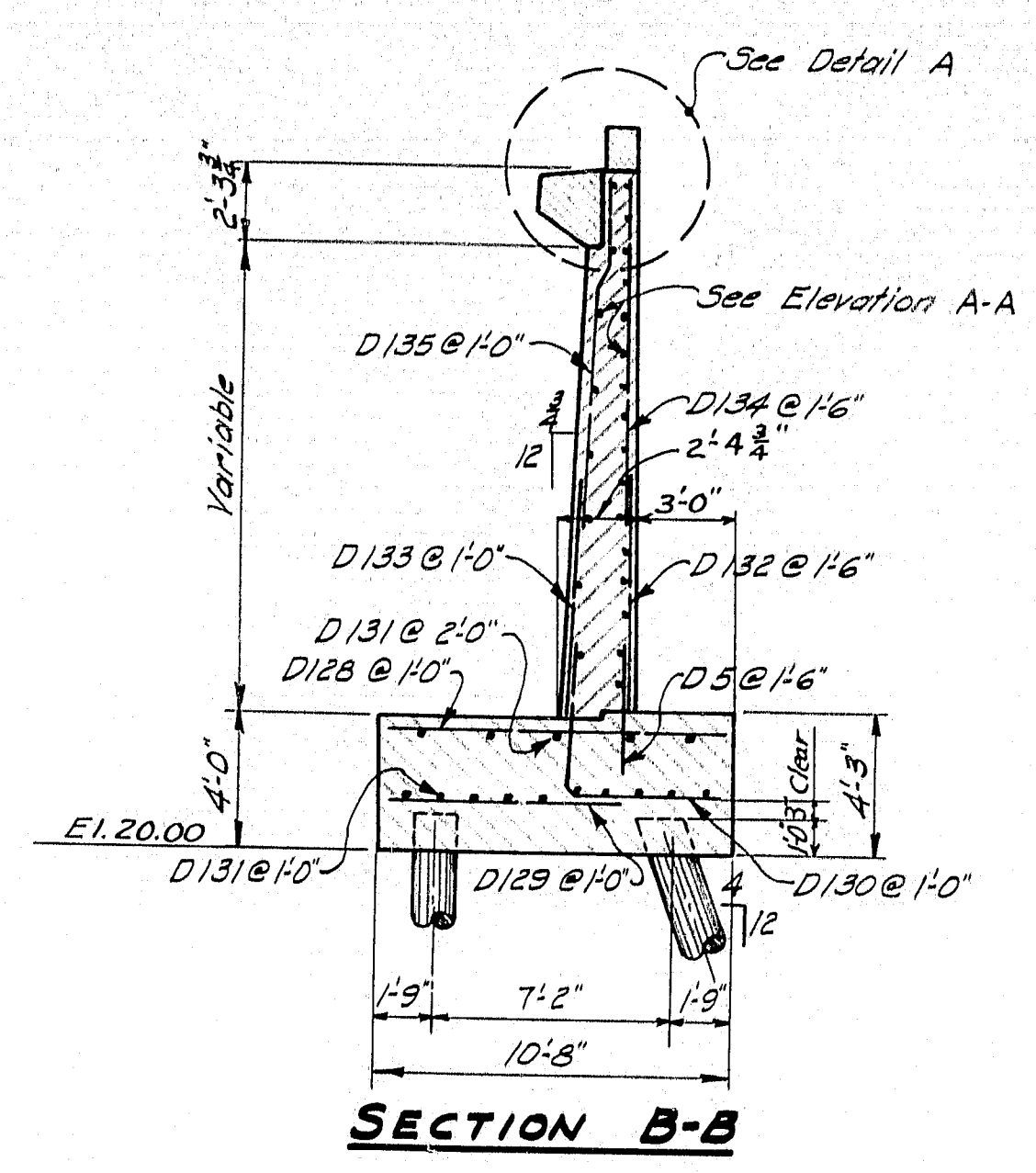
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY

OVERPASS NO. 1
ABUTMENT NO. 2 EAST WALL

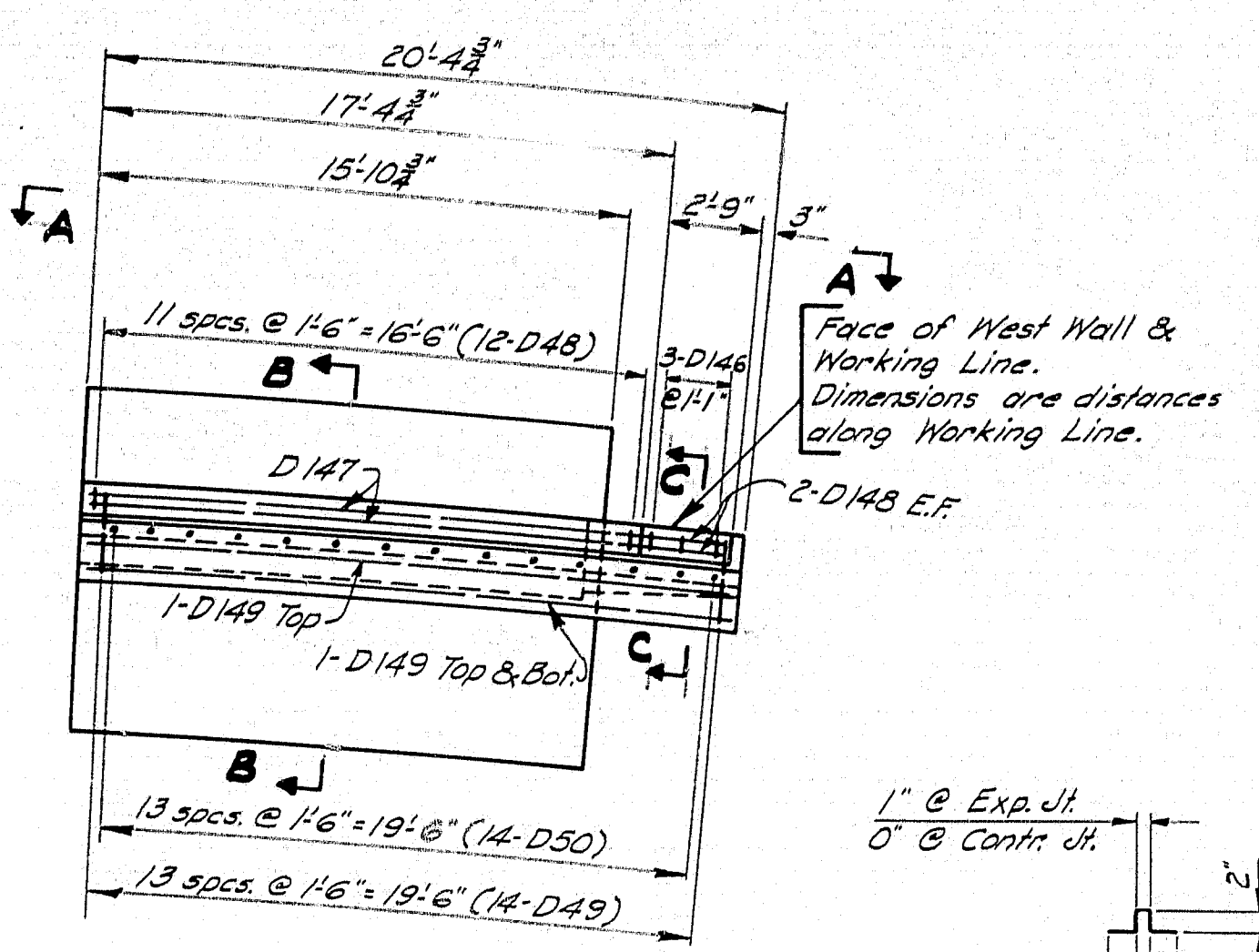
SHEET 91 OF 160 AUGUSTA, MAINE OCT. 1957



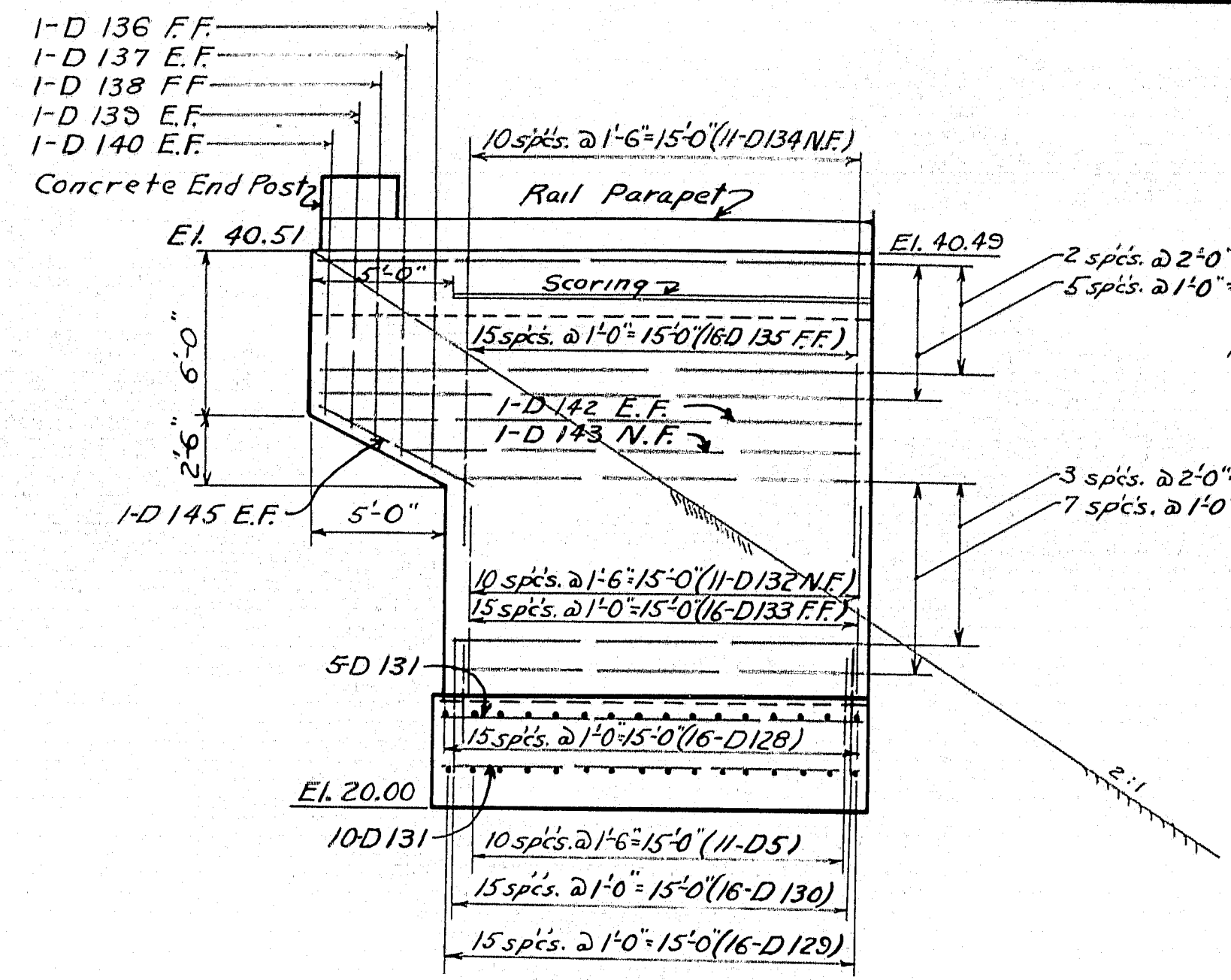
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-082-144	72	166



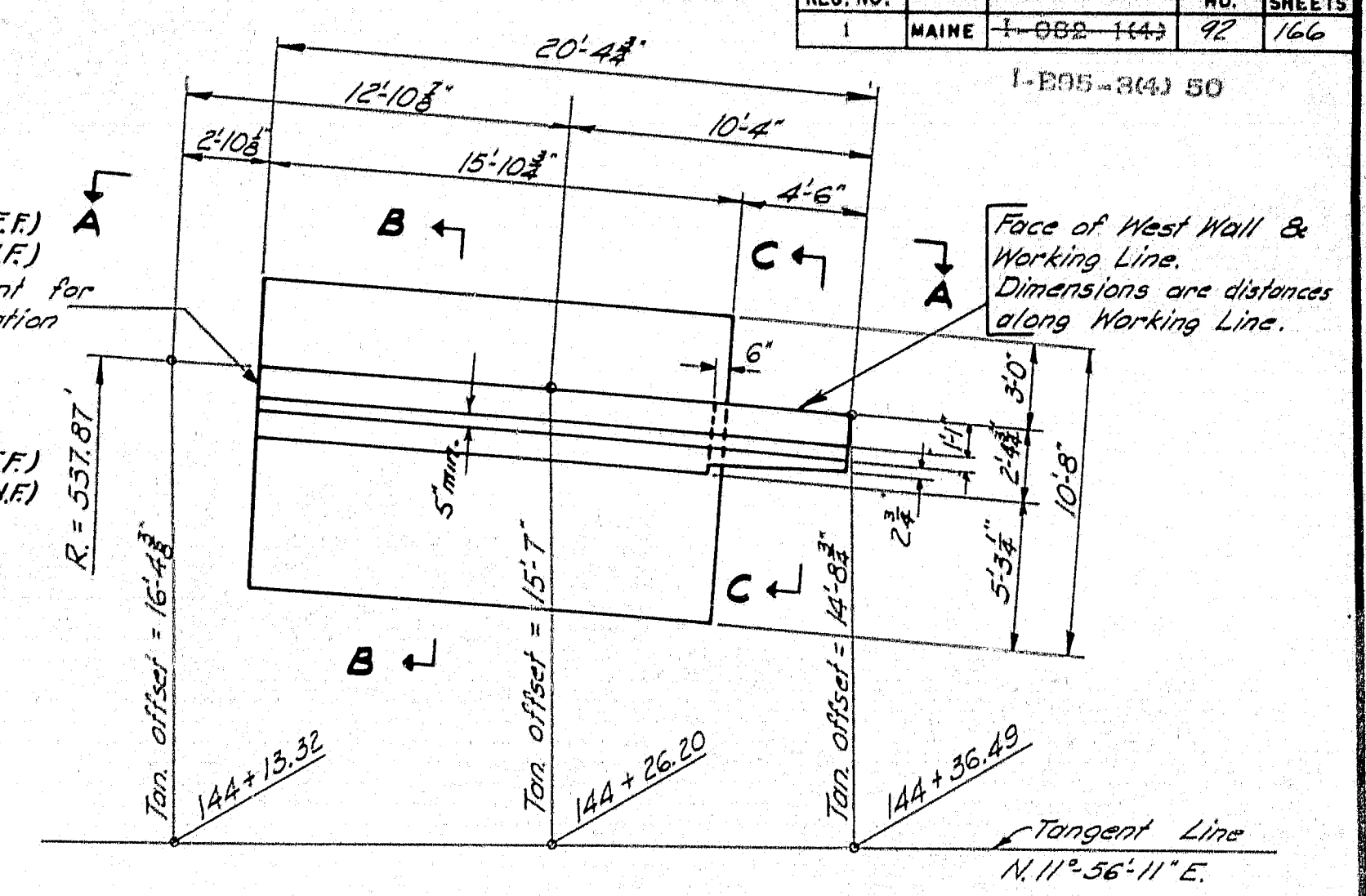
SECTION B-B



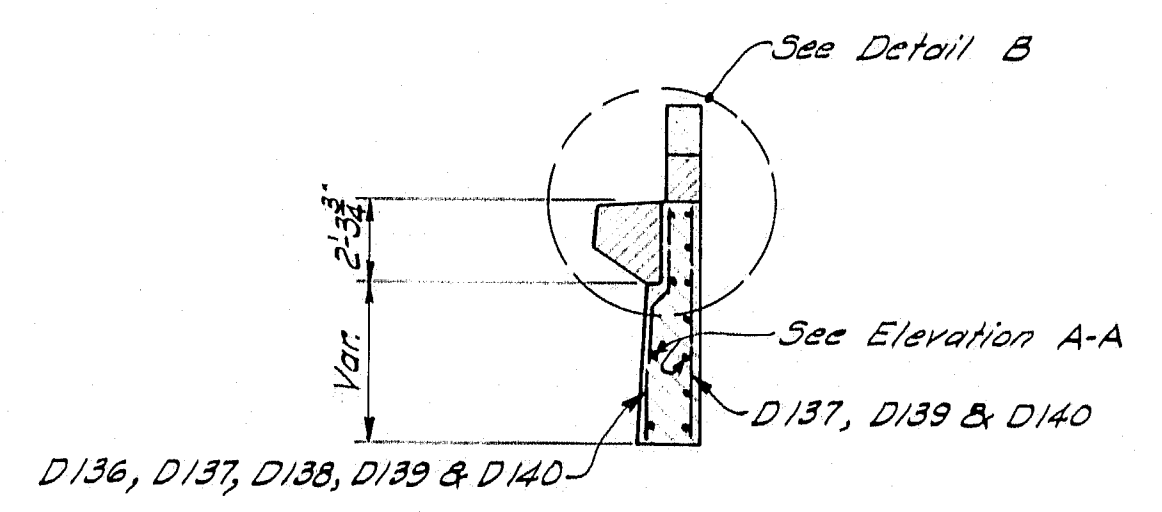
WEST WALL - PLAN



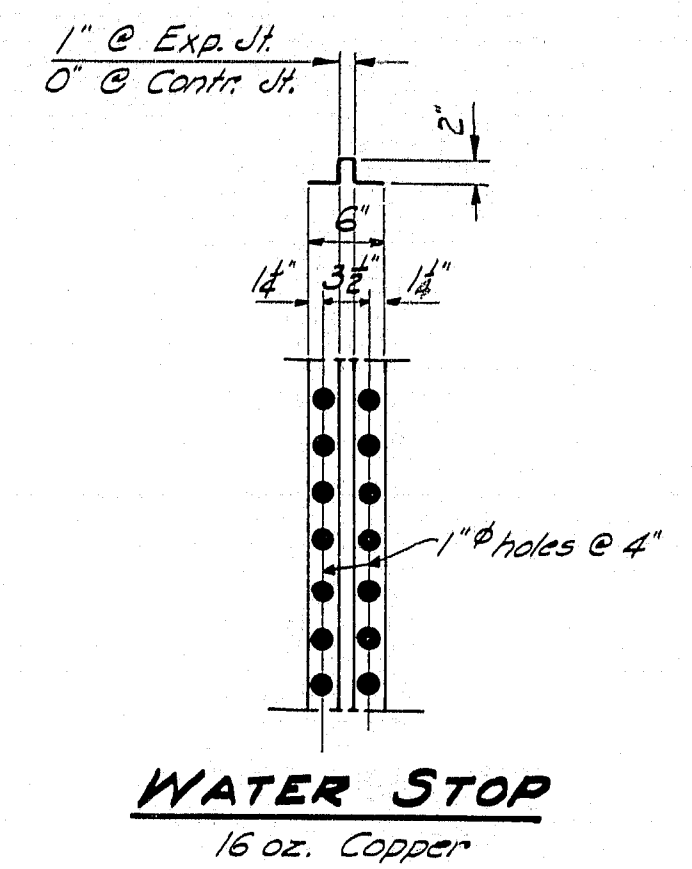
DEVELOPED ELEVATION A-A



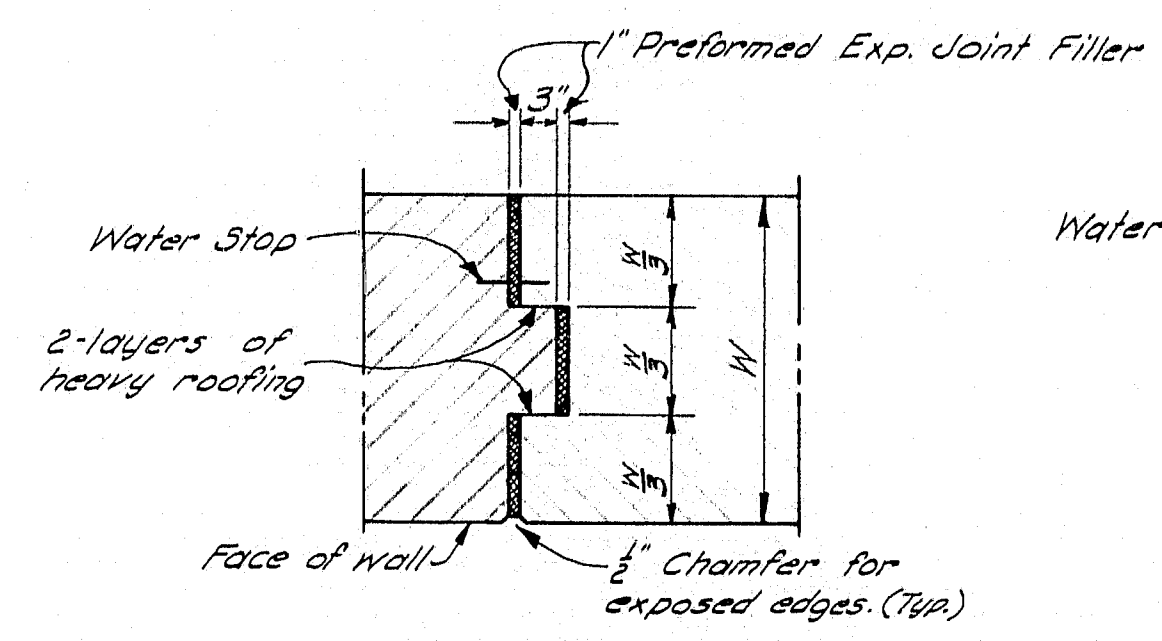
WEST WALL - PLAN
NOTE: Rail parapet and concrete curb not shown.



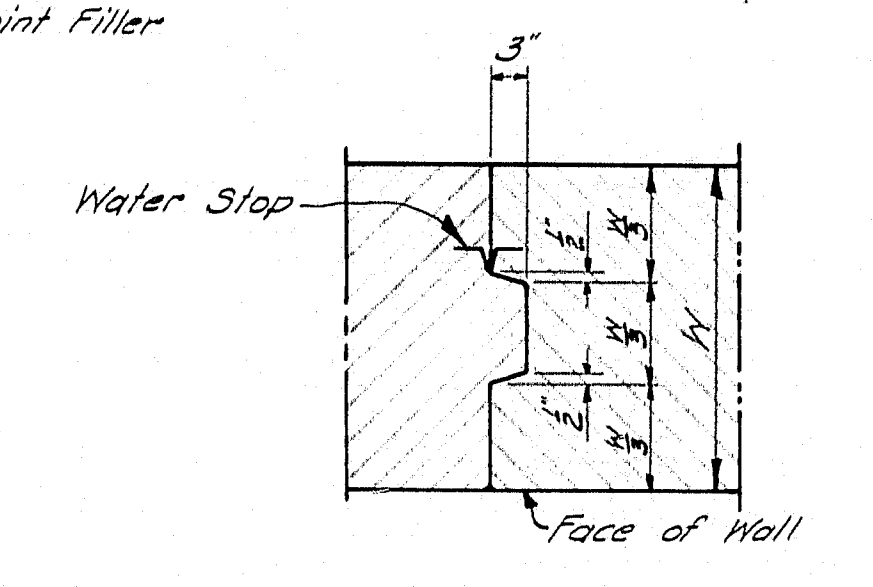
SECTION C-C



WATER STOP
16 oz. Copper

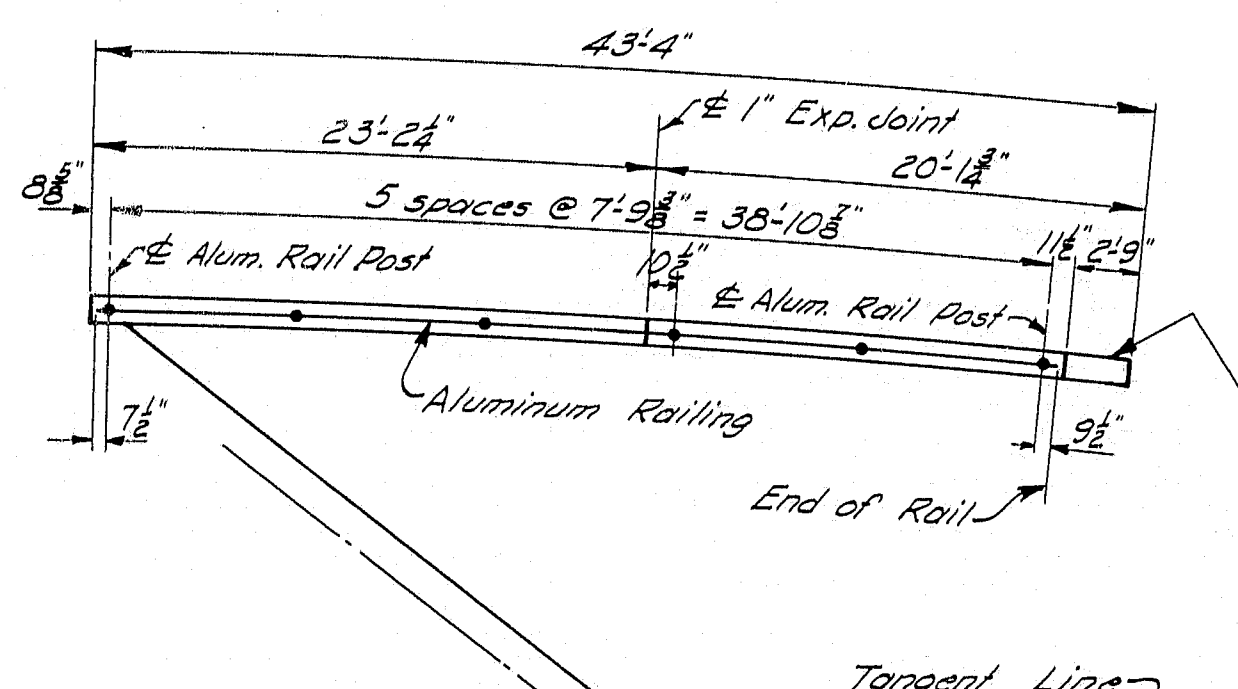


EXPANSION JOINT

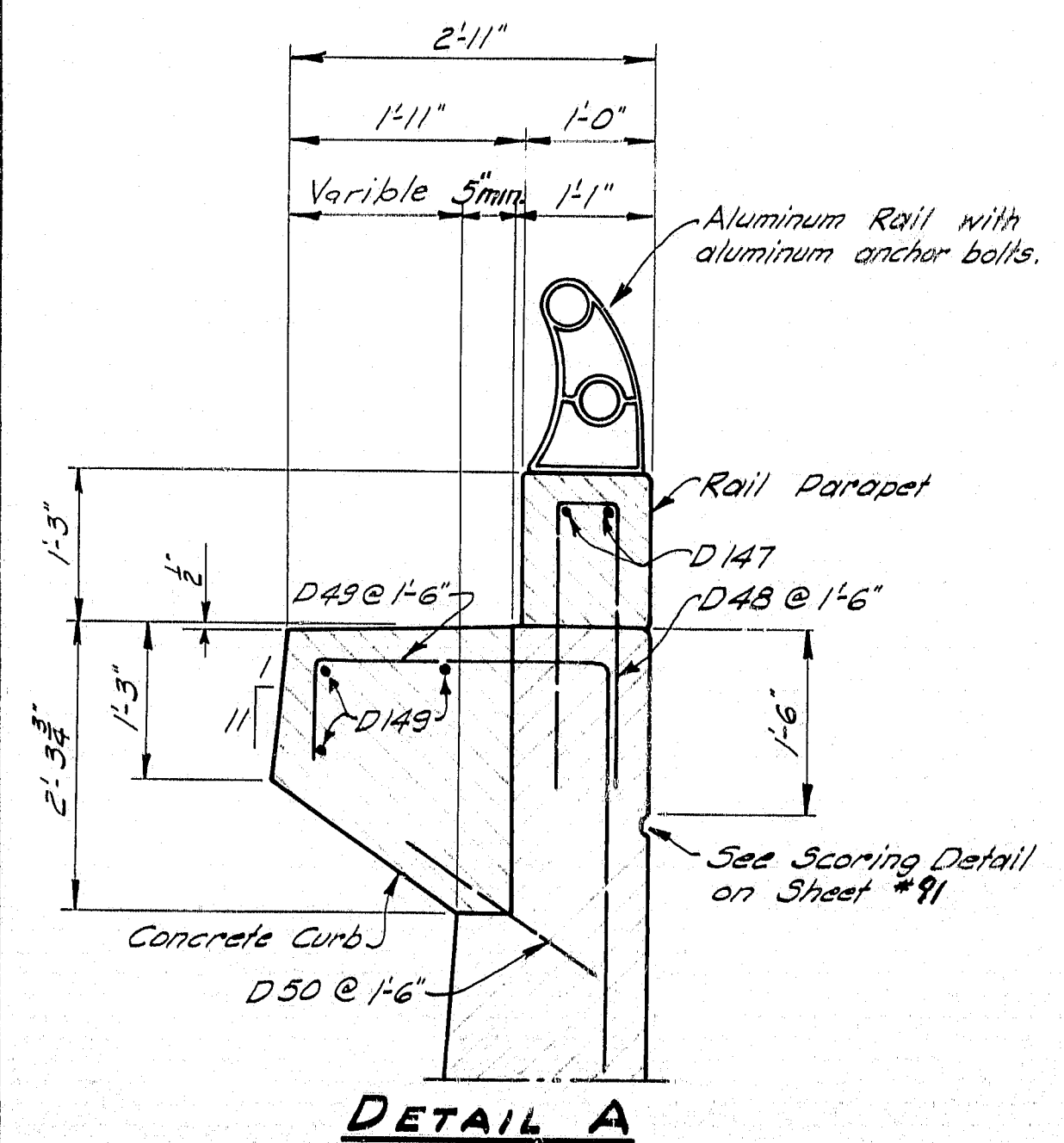


CONTRACTION JOINT

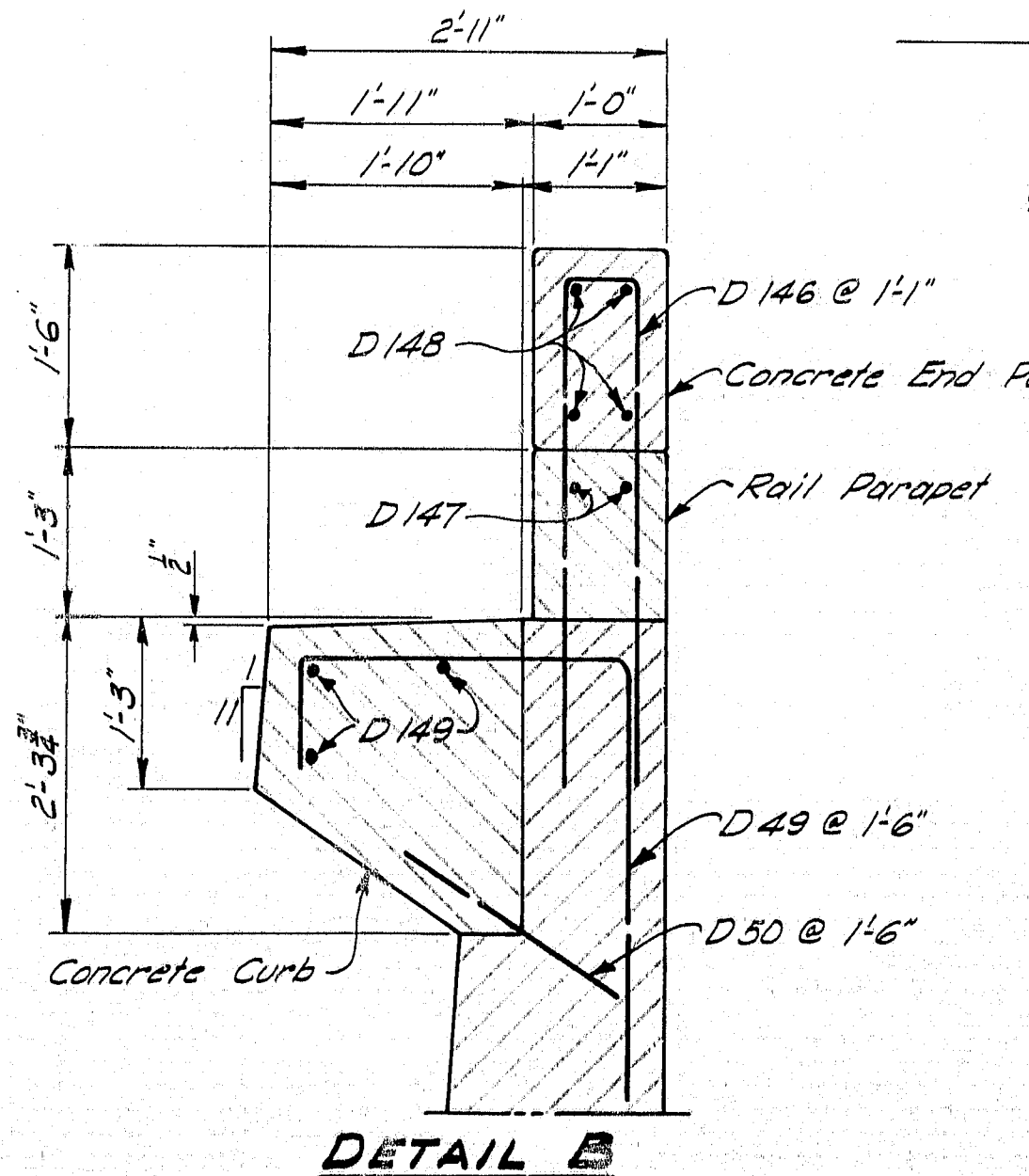
NOTES
Expansion Joint Filler to extend full height of wall, and footing. Water Stop and Shear Key to stop 6" below top of wall.
Cover the Contraction and Expansion Joints on the back side with 2-layers of heavy roofing 10" wide. Coat the surface of the concrete and each layer of roofing as applied with a suitable grade of roofing cement. Recess area to be covered 1/4".



RAILING LOCATION-DIAGRAM



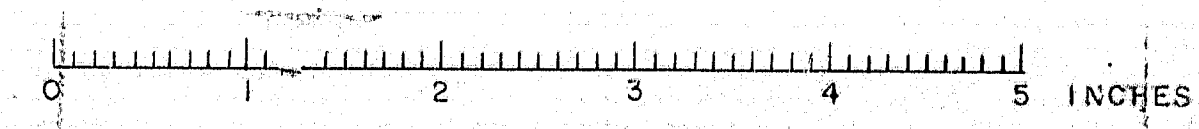
DETAIL A

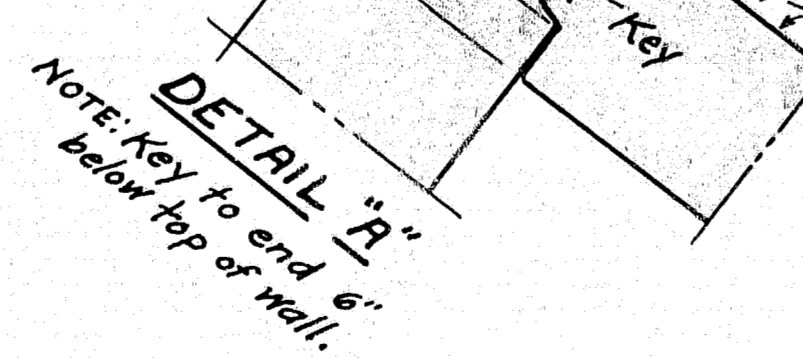
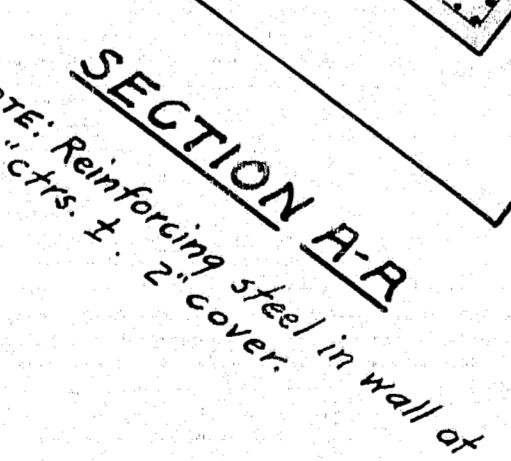
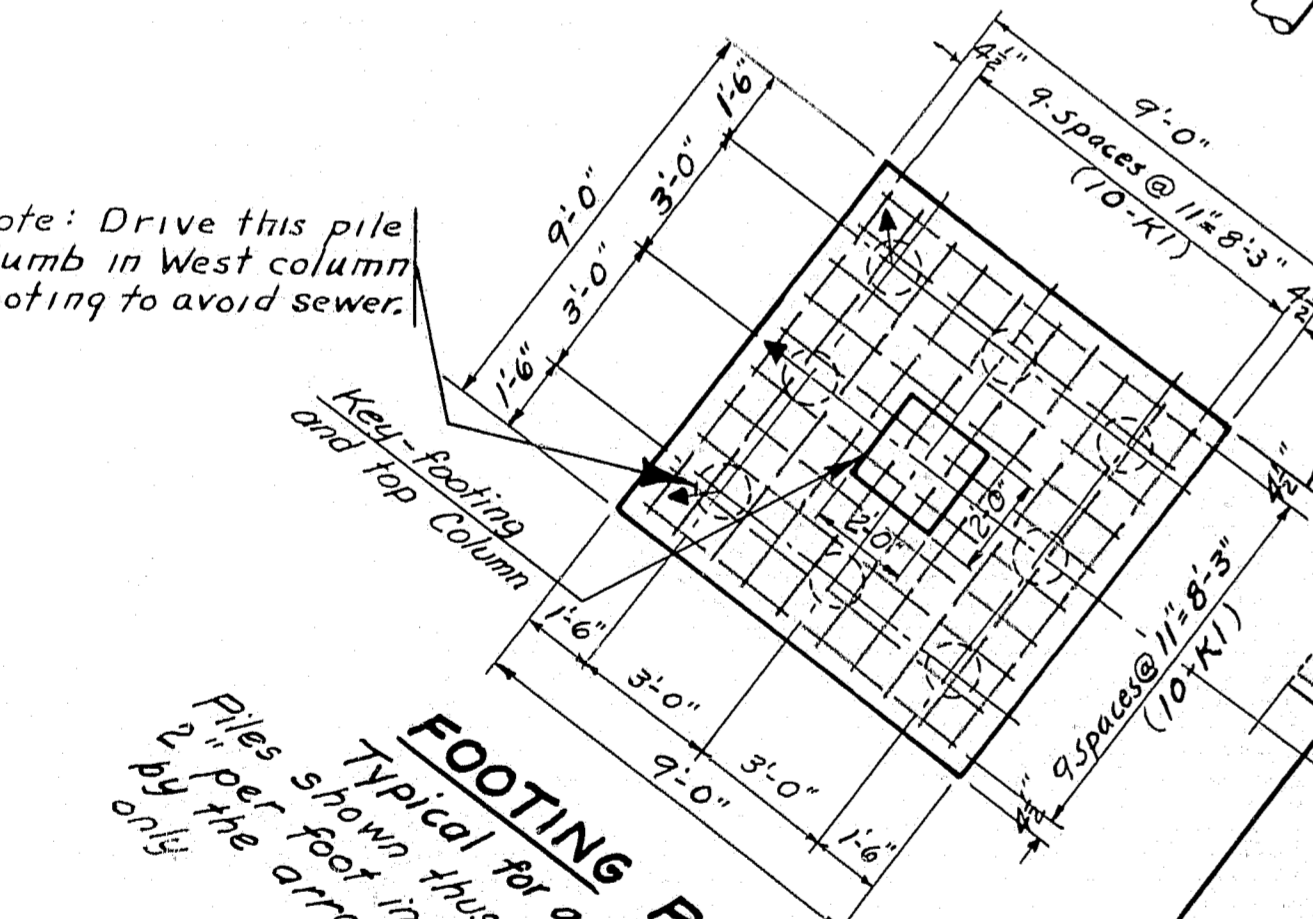
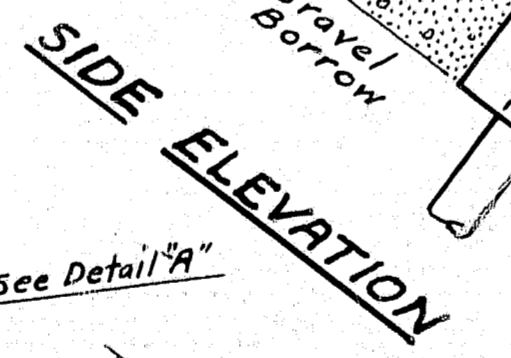
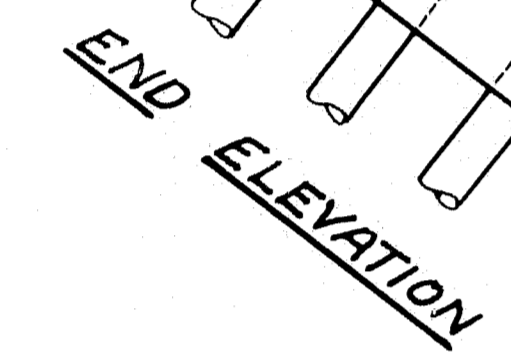
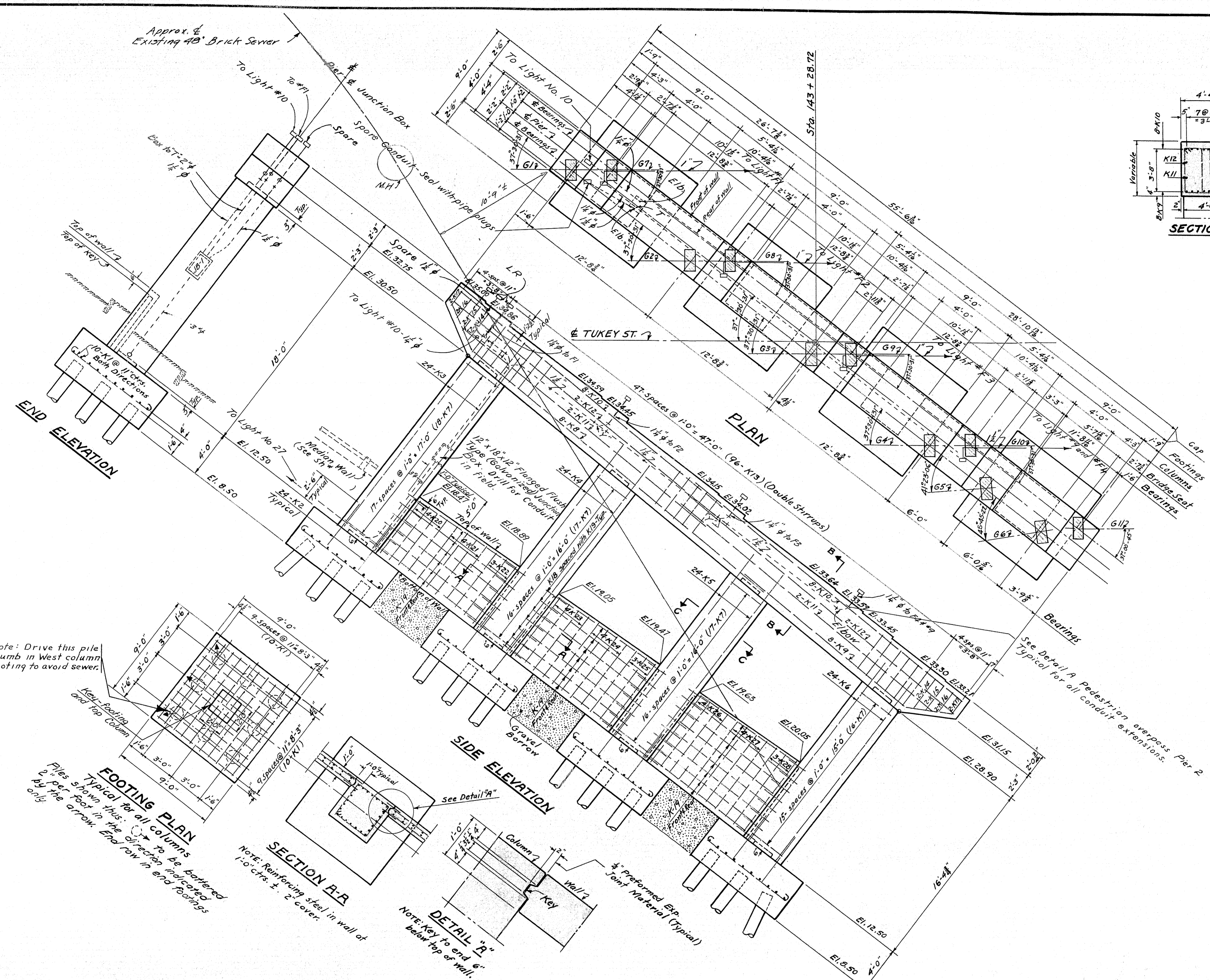
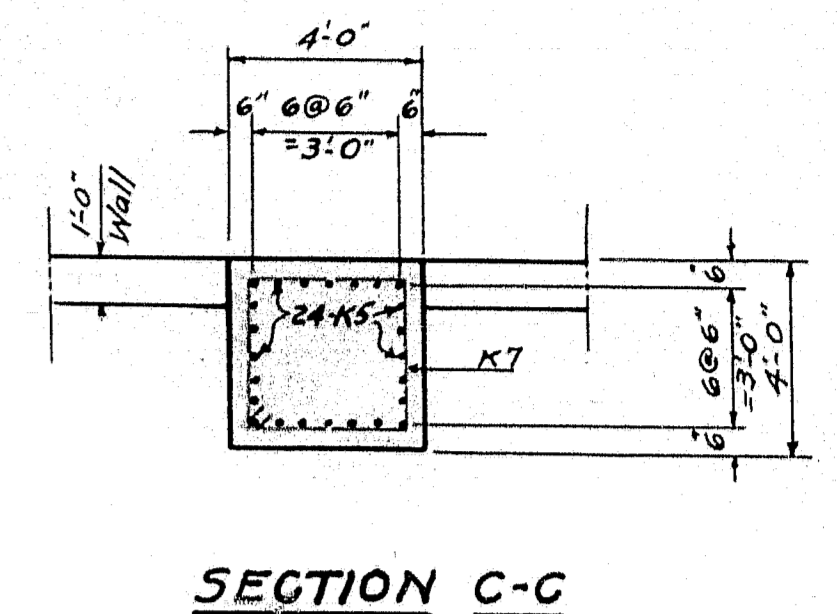
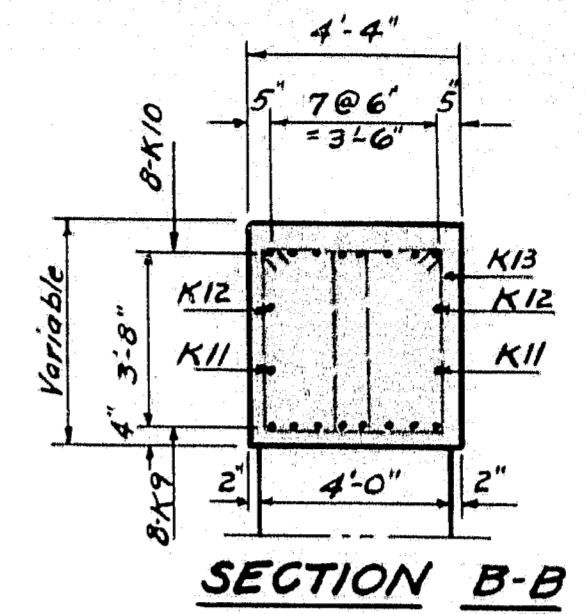


DETAIL B

NOTE: See General Note - sheet No. 84

DESIGN - RISSEL DET. - A.H.R. BRIDGE NO. SURVEY - PLOT -
TRACE - CLARK
CHECK - E.A.M. - C.A.B. - J.P.M.
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
OVERPASS NO. 1
ABUTMENT NO. 2 - WEST WALL
SHEET 72 OF 146 AUGUSTA, MAINE OCT. 1957





GENERAL NOTES

Dress shaded areas 1" larger all around, than size of masonry plates to exact elevations shown.

12" diameter cast in place concrete piles

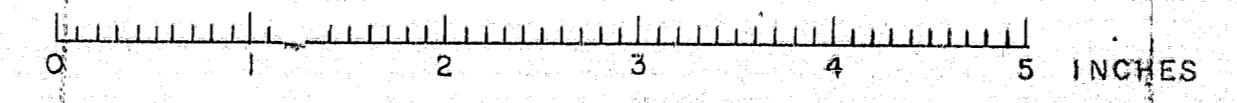
32- piles required

Estimated length = 40'

Allowable load = 24 tons per pile.

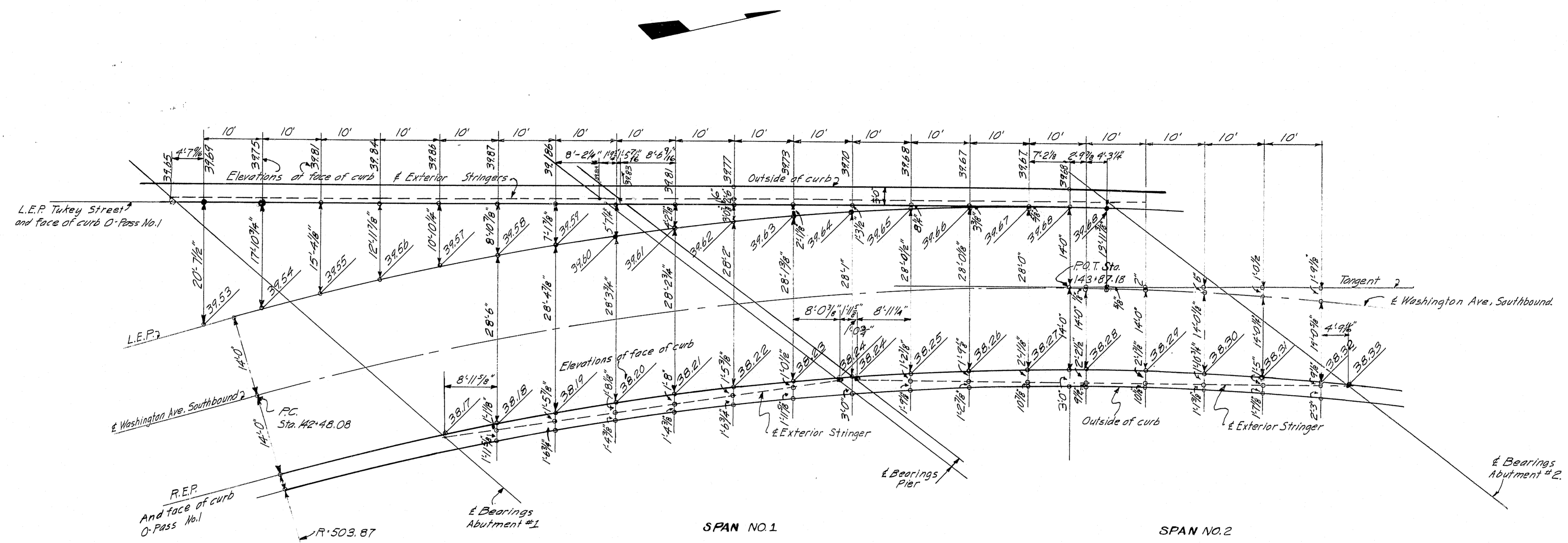
Place steel in bridge seats to clear anchor bolts.

DESIGN - HAMILTON	BRIDGE NO.
TRACE - WELCH	SURVEY -
CHECK - C. S. A.	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
OVERPASS NO. 1	
PIER DETAILS	
SHEET 73 OF 166	AUGUSTA, MAINE OCT. 1957



S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-002-144	24	166

I-B95-3(4) 50



SPAN NO. 1

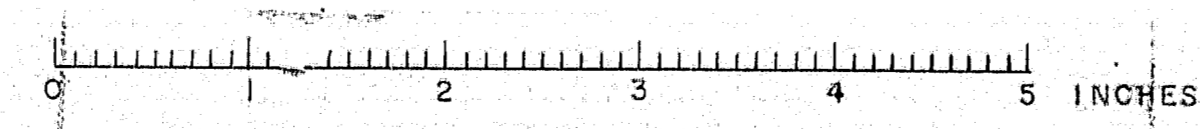
SPAN NO. 2

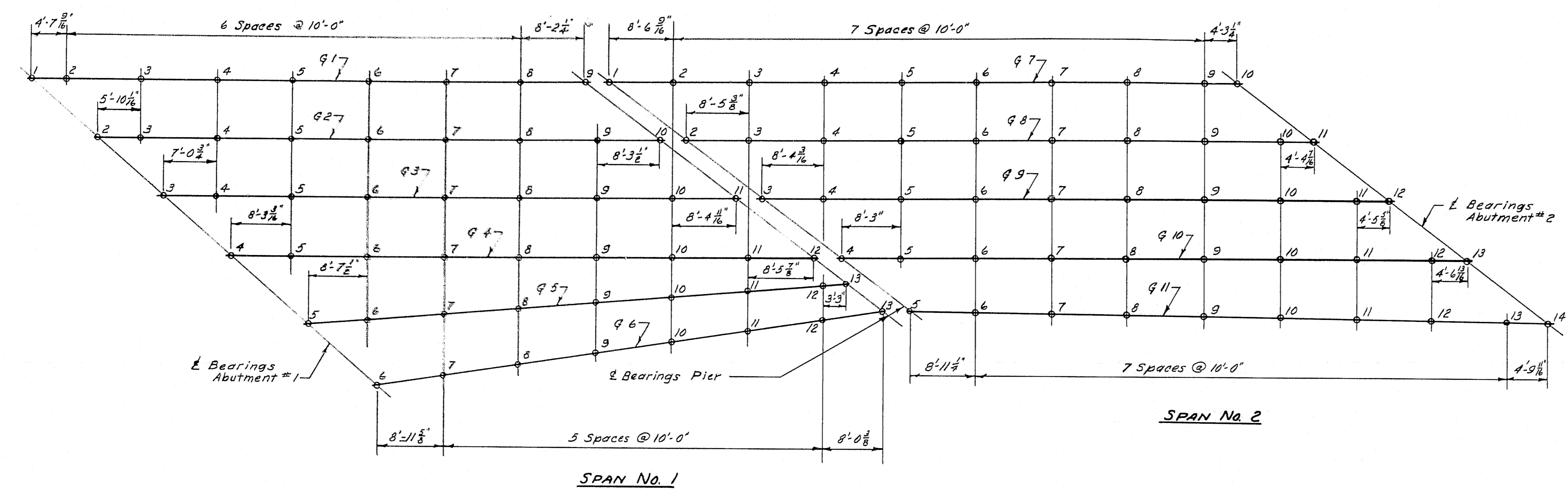
Notes:
 All elevations shown are finish grades.
 All offsets back of Sta. 143+87.18 are measured from and normal to L.E.P. Tukey Street.
 All offsets ahead of P.O.T. are measured from and normal to the tangent of Washington Ave. Southbound.

DESIGN - <i>W.N.B.</i>	BRIDGE NO.
TRACE - <i>W.N.B.</i>	SURVEY -
CHECK - <i>W.N.B.</i>	PLOT -

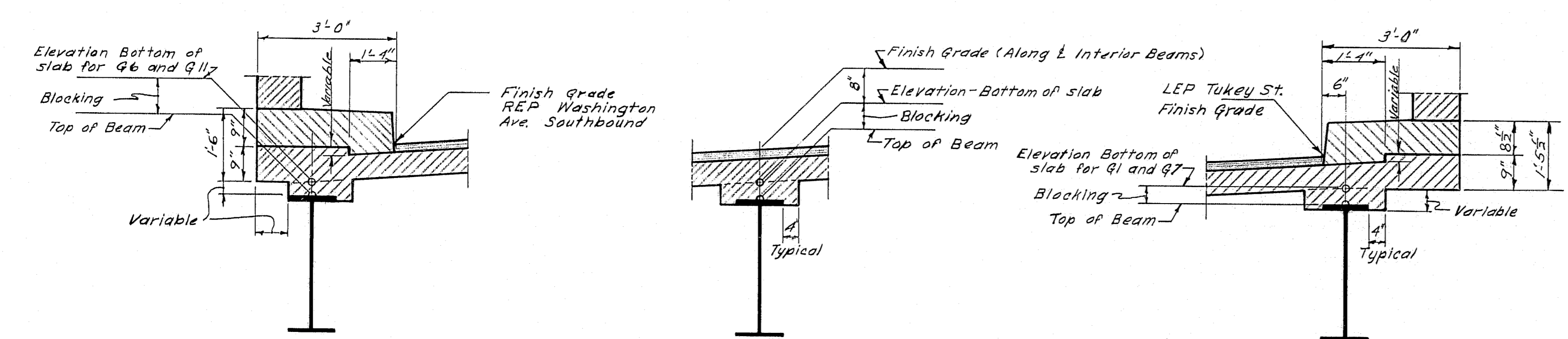
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
 OVERPASS NO. 1
 SUPERSTRUCTURE - SLAB LAYOUT
 SHEET 24 OF 166 AUGUSTA, MAINE OCT. 1957

76-34





PLAN
Showing Location of Points on Beams



TYPICAL SECTION
G6-Q11

TYPICAL SECTION
INTERIOR STRINGERS

TYPICAL SECTION
Q1-Q7

Point	Final Finish Grade L.E.P. or R.E.P.	Final Finish Grade L Beam	Elevation Blocking @ of Beams
1	39.65		38.98
2	39.69		39.04
3	39.75		39.15
4	39.81		39.23
5	39.84		39.27
6	39.86		39.29
7	39.87		39.29
8	39.86		39.25
9	39.84		39.19
10	39.65		38.98
11	39.66		39.02
12	39.69		39.09
13	39.68		39.10
14	39.67		39.10
15	39.63		39.05
16	39.59		38.99
17	39.52		38.89
18	39.47		38.80
19	39.37		38.90
20	39.55		38.93
21	39.46		38.86
22	39.37		38.80
23	39.28		38.71
24	39.20		38.63
25	39.13		38.55
26	39.08		38.45
27	39.03		38.36
28	39.20		38.33
29	39.08		38.45
30	38.99		38.40
31	38.90		38.33
32	38.82		38.26
33	38.76		38.18
34	38.69		38.10
35	38.64		38.01
36	38.60		37.93
37	38.66		37.99
38	38.60		37.97
39	38.54		37.94
40	38.50		37.92
41	38.46		37.88
42	38.43		37.84
43	38.41		37.81
44	38.41		37.76
45	38.40		37.73
46	38.17		37.47
47	38.18		37.49
48	38.10		37.51
49	38.20		37.52
50	38.21		37.53
51	38.22		37.54
52	38.23		37.54
53	38.24		37.54

Point	Final Finish Grade L.E.P. or R.E.P.	Final Finish Grade L Beam	Elevation Blocking @ of Beams
1	39.83		39.18
2	39.81		39.21
3	39.77		39.21
4	39.79		39.19
5	39.70		39.17
6	39.68		39.16
7	39.67		39.13
8	39.67		39.10
9	39.68		39.06
10	39.68		39.03
11	39.45		38.78
12	39.41		38.79
13	39.37		38.80
14	39.34		38.80
15	39.34		38.80
16	39.32		38.79
17	39.31		38.78
18	39.31		38.76
19	39.32		38.73
20	39.33		38.70
21	39.34		38.67
22	39.02		38.35
23	38.99		38.37
24	38.96		38.39
25	38.93		38.40
26	38.92		38.39
27	38.92		38.39
28	38.92		38.39
29	38.93		38.36
30	38.95		38.36
31	38.97		38.33
32	38.99		38.32
33	38.99		37.92
34	38.97		37.95
35	38.95		37.98
36	38.94		38.00
37	38.93		38.00
38	38.93		38.01
39	38.94		38.01
40	38.95		38.01
41	38.96		38.01
42	38.99		38.00
43	38.63		37.98
44	38.64		37.97
45	38.24		37.54
46	38.25		37.57
47	38.26		37.59
48	38.27		37.62
49	38.28		37.63
50	38.29		37.64
51	38.30		37.64
52	38.31		37.64
53	38.32		37.64
54	38.33		37.64

Note:
After beams are in position, the elevations shown above for Bottom of Slab should be set at points indicated. The difference between this elevation and the top of the beam is the blocking at that point.
After concrete is placed, the dead load (concrete and surfacing) should produce proper deflections to give final finished grades.

Δl, deflection of L beam due to concrete and surfacing only.

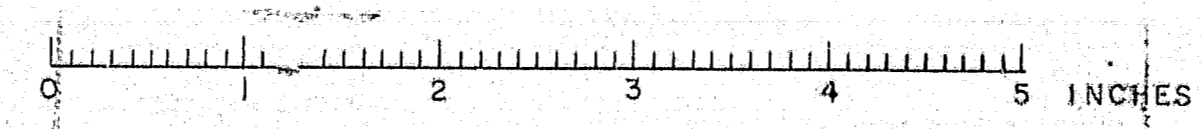
Beam	Camber	Δl
G1	3"	1 1/2"
G2	3"	1 1/2"
G3	3"	1 1/2"
G4	3 1/2"	1 1/2"
G5	3"	1 1/2"
G6	2 1/2"	1 1/2"
G7	3 1/2"	1 1/2"
G8	3 1/2"	1 1/2"
G9	3 1/2"	1 1/2"
G10	3 1/2"	1 1/2"
G11	3 1/2"	1 1/2"

DESIGN - EVERETT
TRACE - AULT
CHECK - MATZ

BRIDGE NO. SURVEY - PLOT -

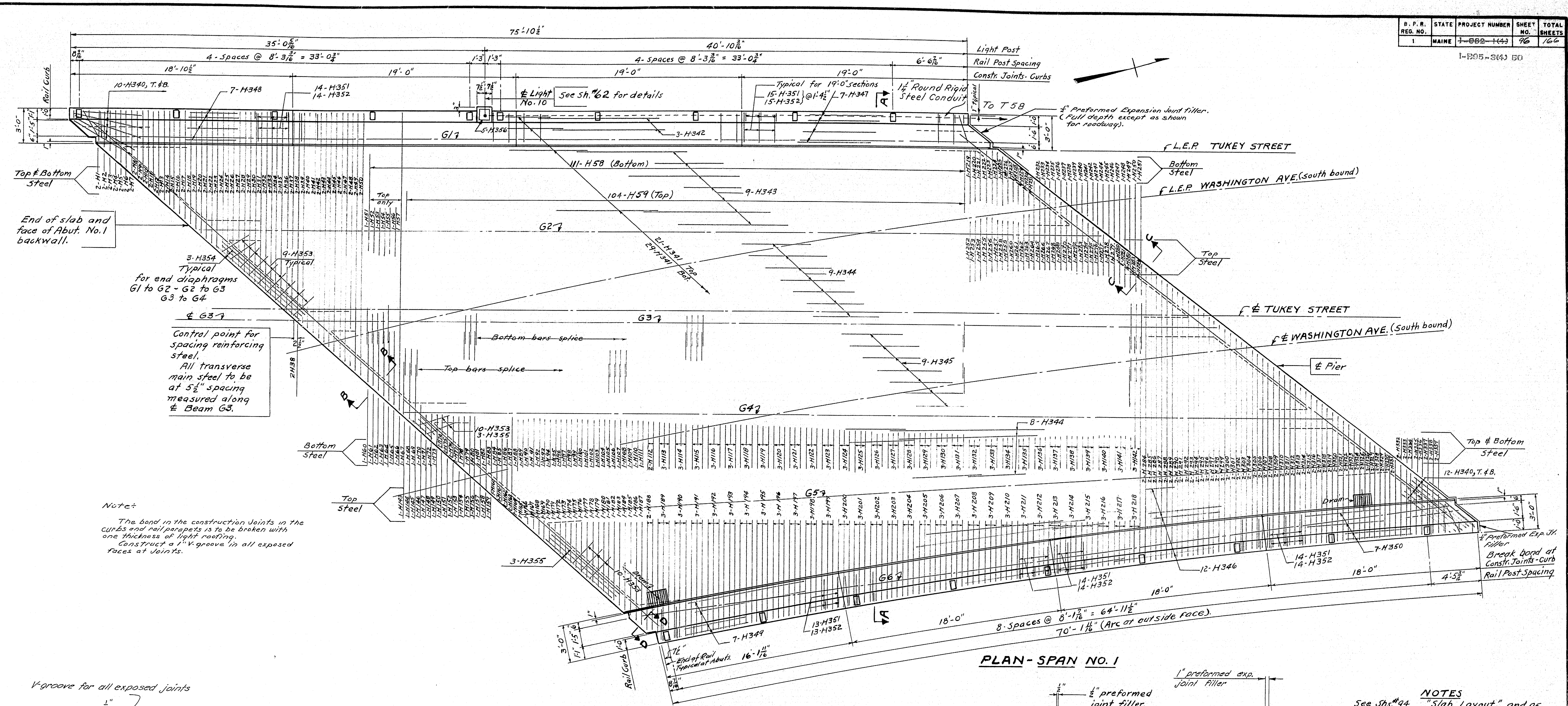
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
OVERPASS NO. 1

BLOCKING FOR SLAB OVER BEAMS
SHEET 95 OF 166 AUGUSTA, MAINE OCT. 1957



D. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-882-1443	96	166

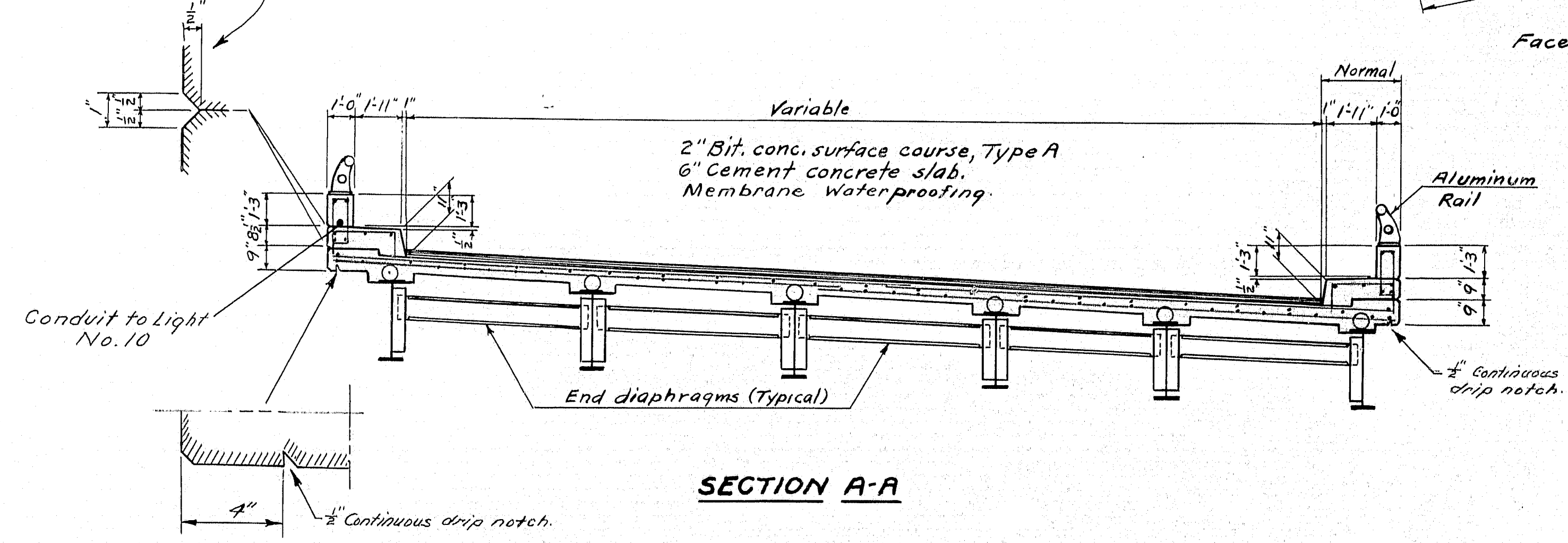
1-1905-3(4) 50



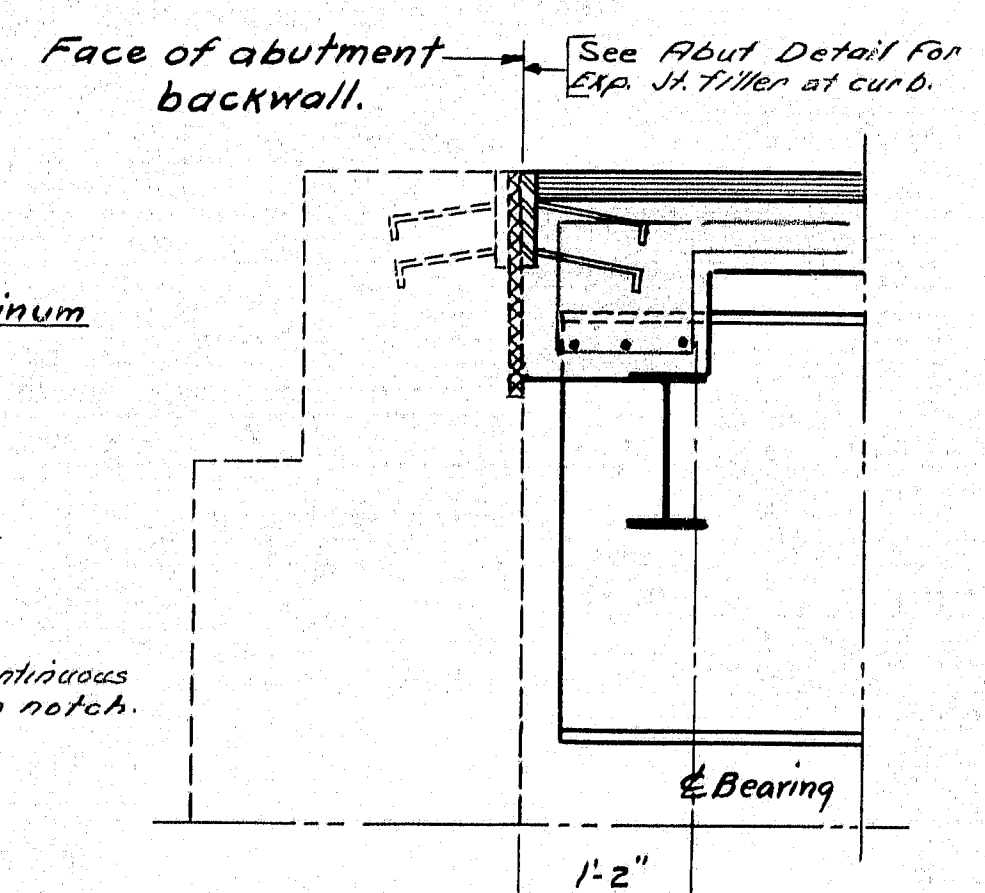
Control point for spacing reinforcing steel.
 All transverse main steel to be at 5 1/2\" spacing measured along & Beam G3.

Note:
 The band in the construction joints in the curbs and rail parapets is to be broken with one thickness of light roofing. Construct a 1\" V-groove in all exposed faces at joints.

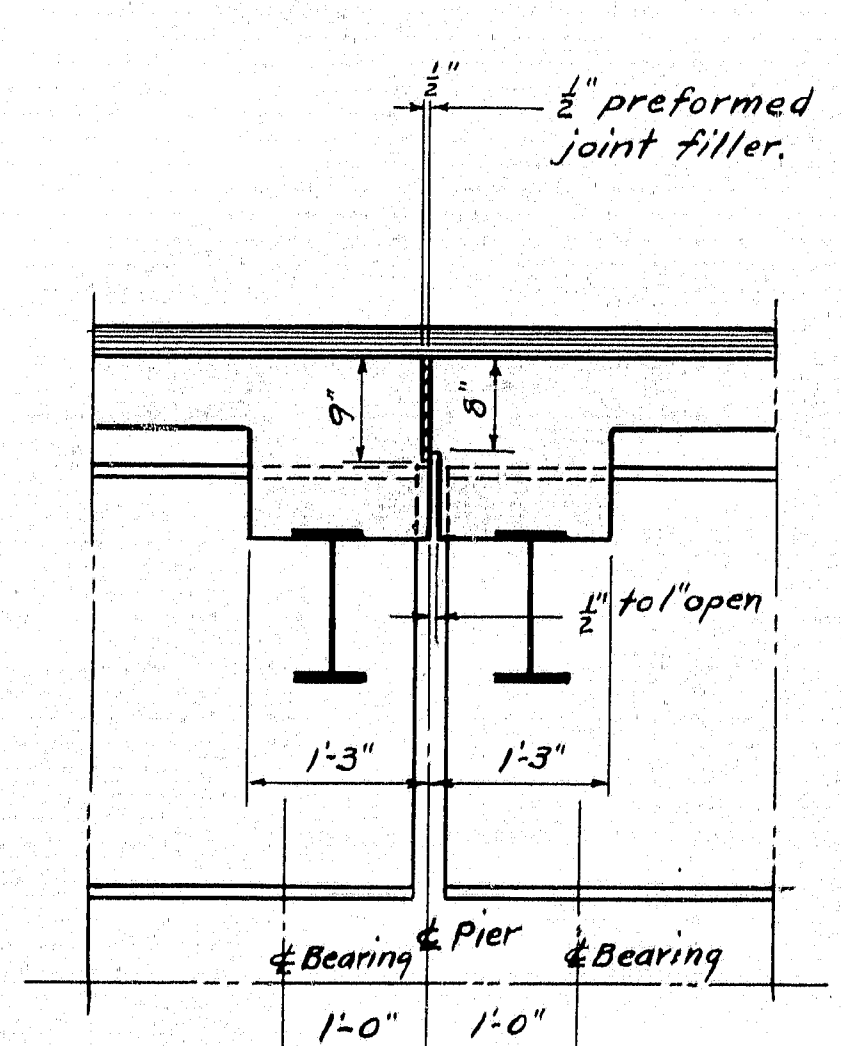
V-groove for all exposed joints



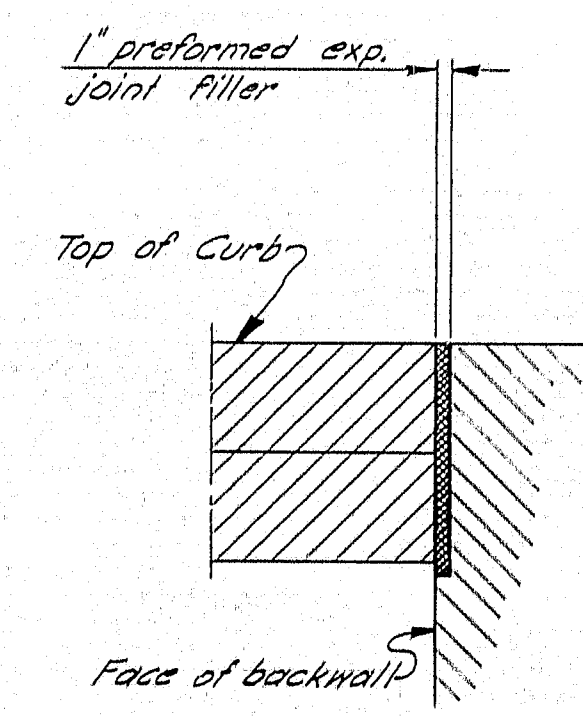
SECTION A-A



SECTION B-B



SECTION C-C

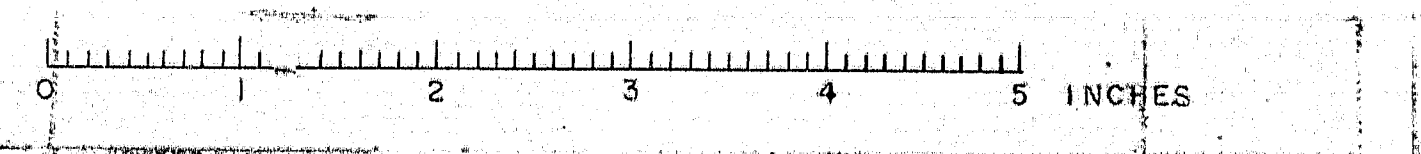


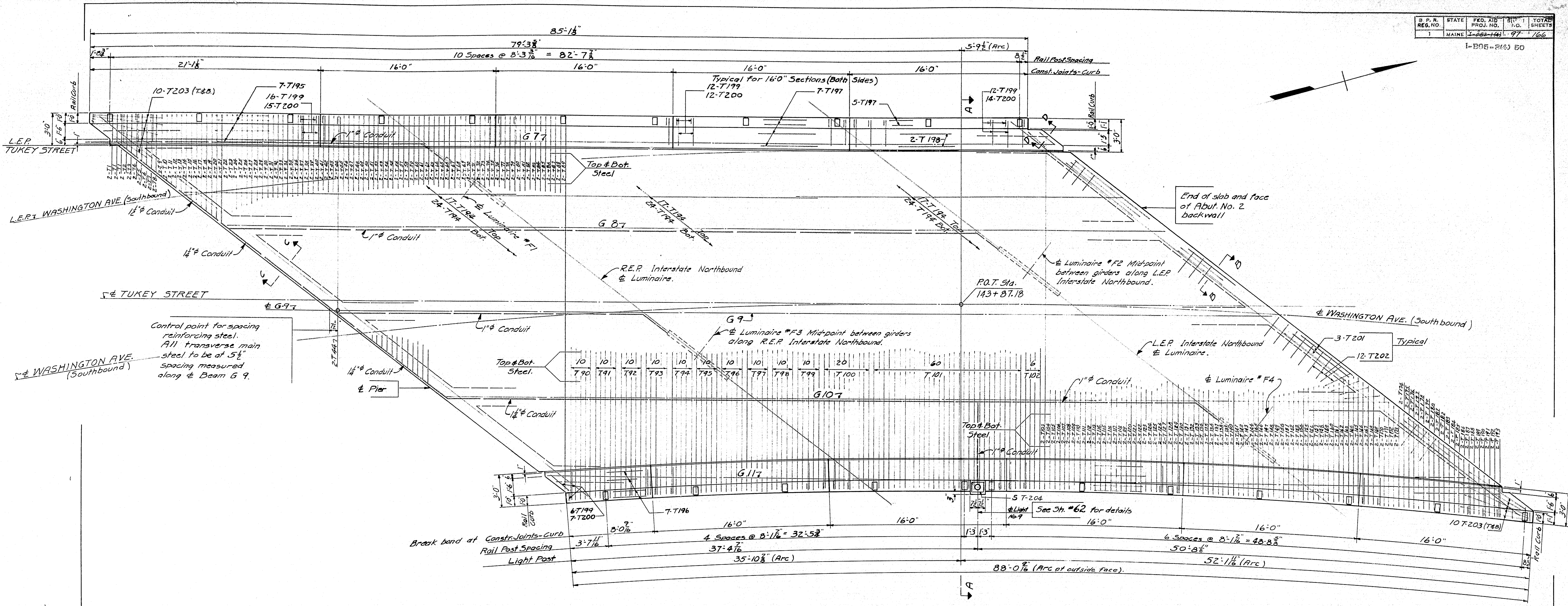
SECTION D-D

NOTES
 See Shts. #94 "Slab Layout" and #95 "Blocking for Slab over Beams" for details not shown on this sheet.
 See Sht. #98 for "Drain Details"
 See Sht. #20 for "Aluminum Rail Details."
 Concrete for curbs shall not be placed until superstructure slab has been in place for a minimum period of 7 days. During this period, form work may be placed, but hand equipment only shall be allowed on the slab.

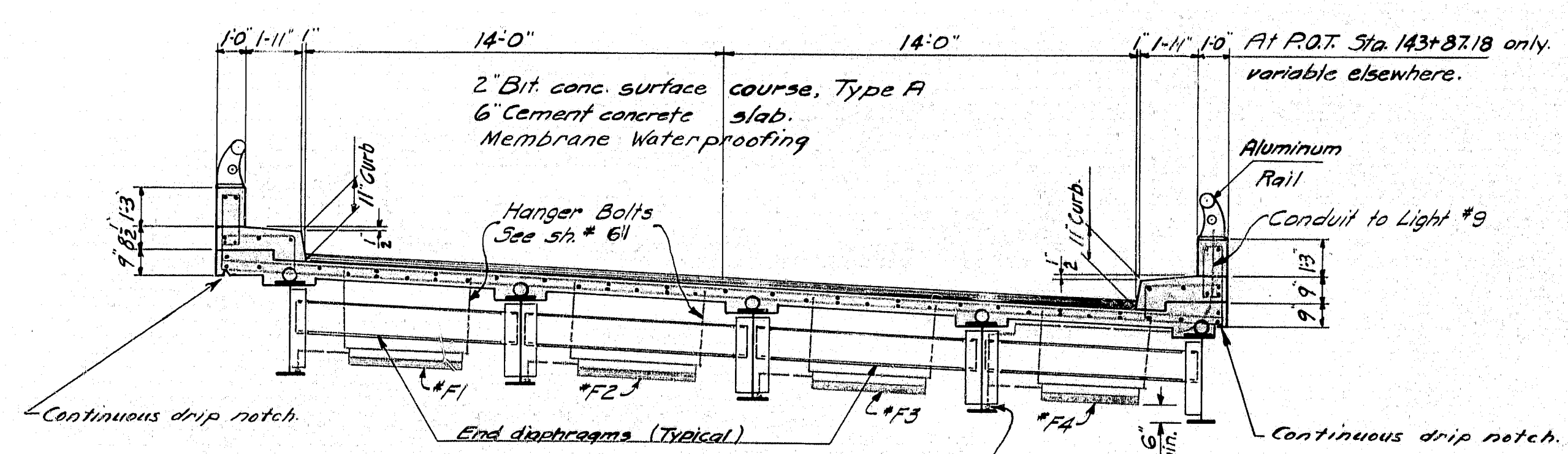
DESIGN - HAMILTON	BRIDGE NO. SURVEY - PLOT -
TRACE - WELCH	C.M.A.
CHECK - C. S. A.	

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
 OVERPASS NO. 1, SPAN NO. 1
 SUPERSTRUCTURE SLAB
 SHEET 96 OF 166 AUGUSTA, MAINE OCT. 1957





Control point for spacing reinforcing steel. All transverse main steel to be at 5' spacing measured along @ Beam G 9.

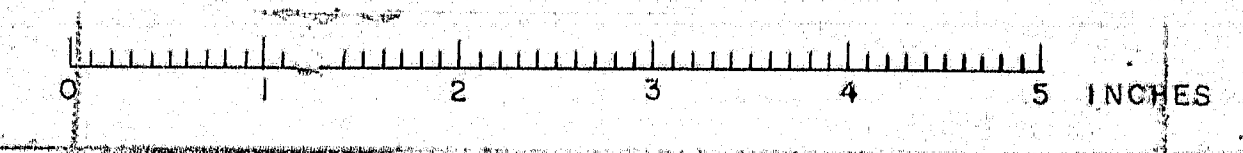


SECTION A-A

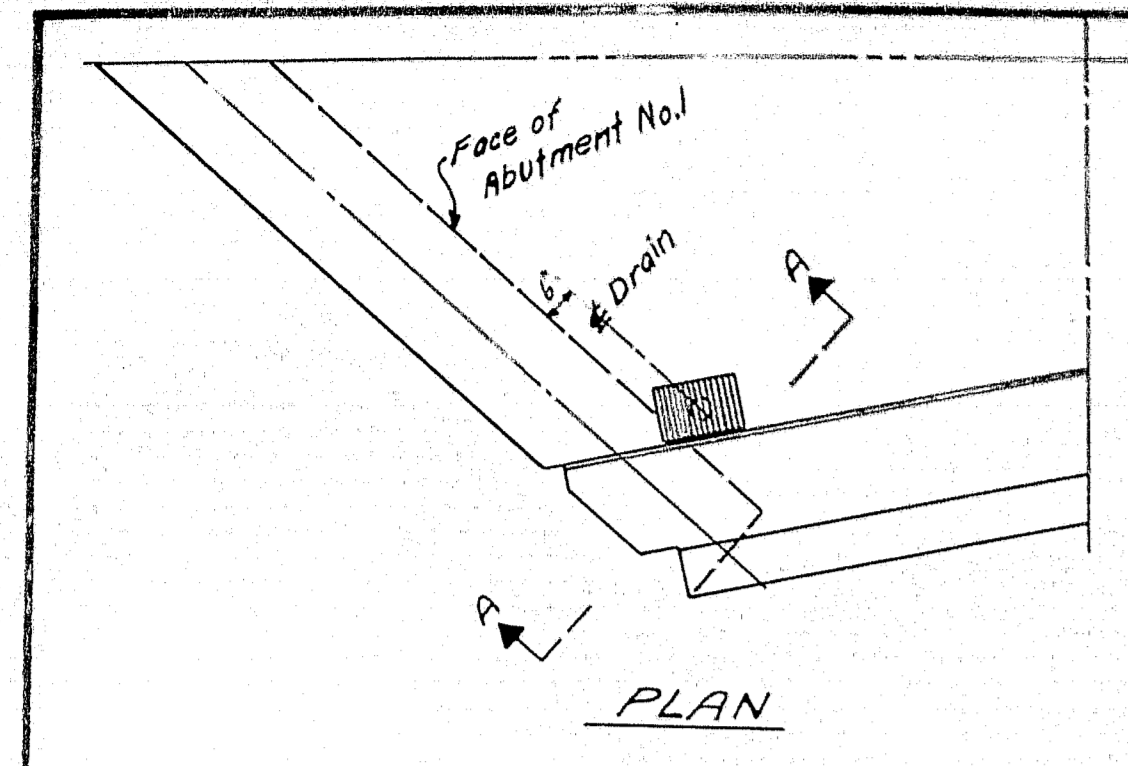
NOTE: Location of Hanger Bolts to be determined by the Engineer, in the field. Bolts are to be in position before concrete slab is placed. Bottom of Luminaire to be mounted a minimum of 15'-0" above @ Roadway grade, and 6" Minimum above bottom flange of girder.

-NOTES-
 See Sh #495 Slab Layout and Blocking for Slab over Beams for details not shown on this sheet.
 See Sh #96 for Sections "B-B" "C-C" & "D-D".
 See Sh #120 for Aluminum Rail Details.
 See Sh #96 for notes for Joints.

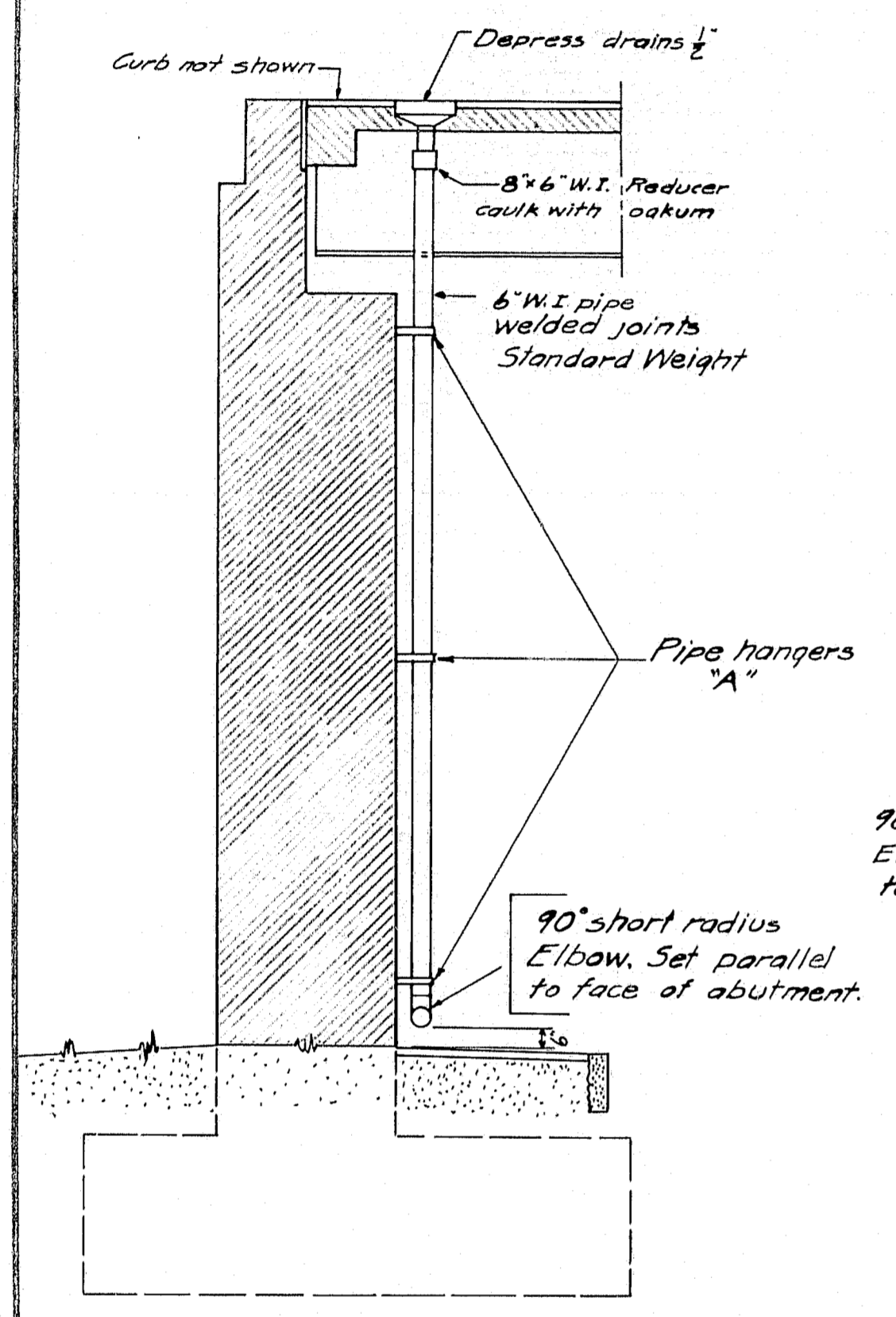
DESIGN TRACE CHECK	HAMILTON JONES S.A.	BRIDGE NO. SURVEY PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION		
TUKEYS BRIDGE OVER BACK COVE IN THE CITY OF PORTLAND CUMBERLAND COUNTY OVERPASS NO. 1 SPAN NO. 2 SUPERSTRUCTURE SLAB		
SHEET 97 OF 166 AUGUSTA MAINE OCT. 1957		



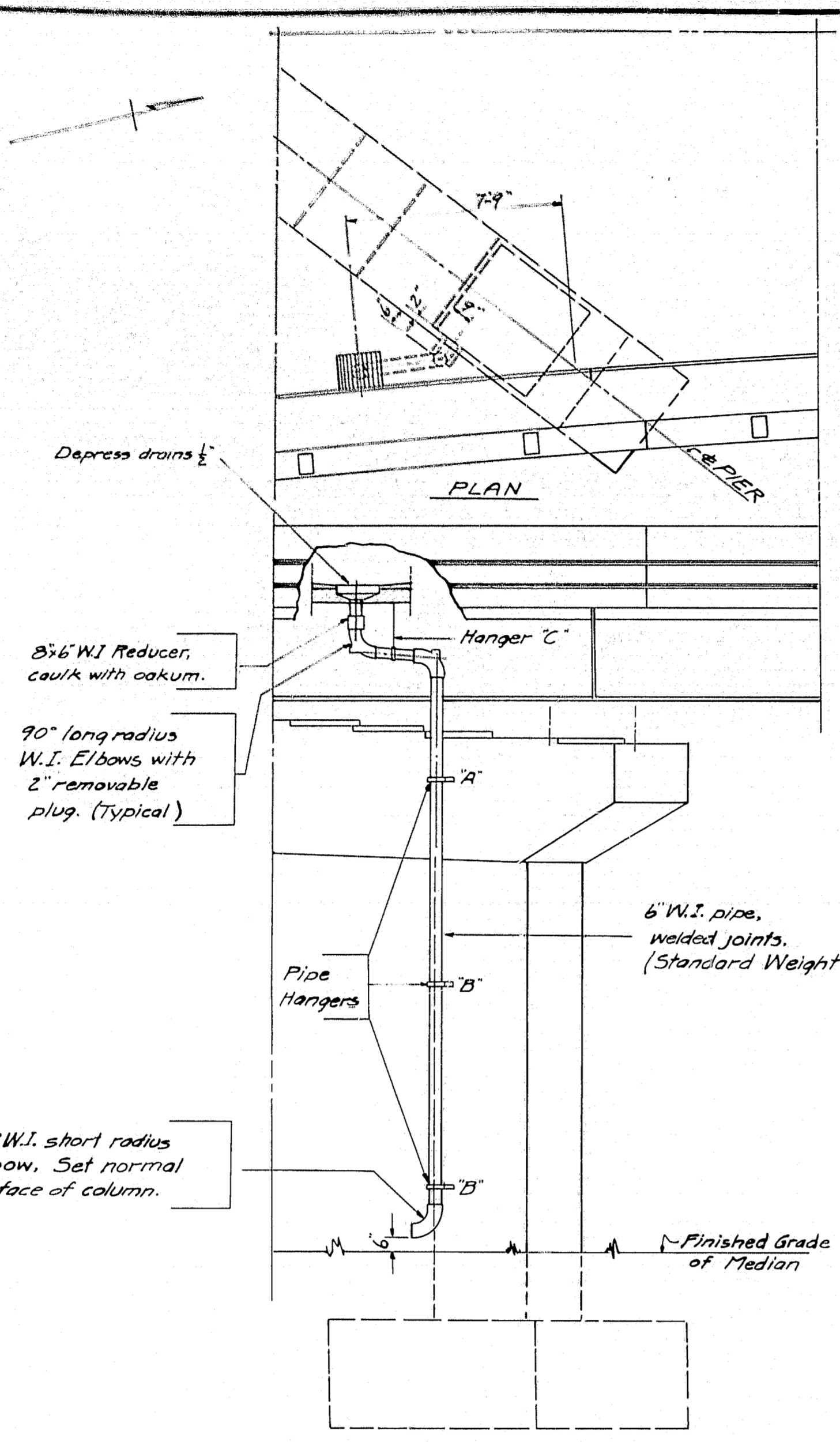
B. P. R.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-085-144	98	166



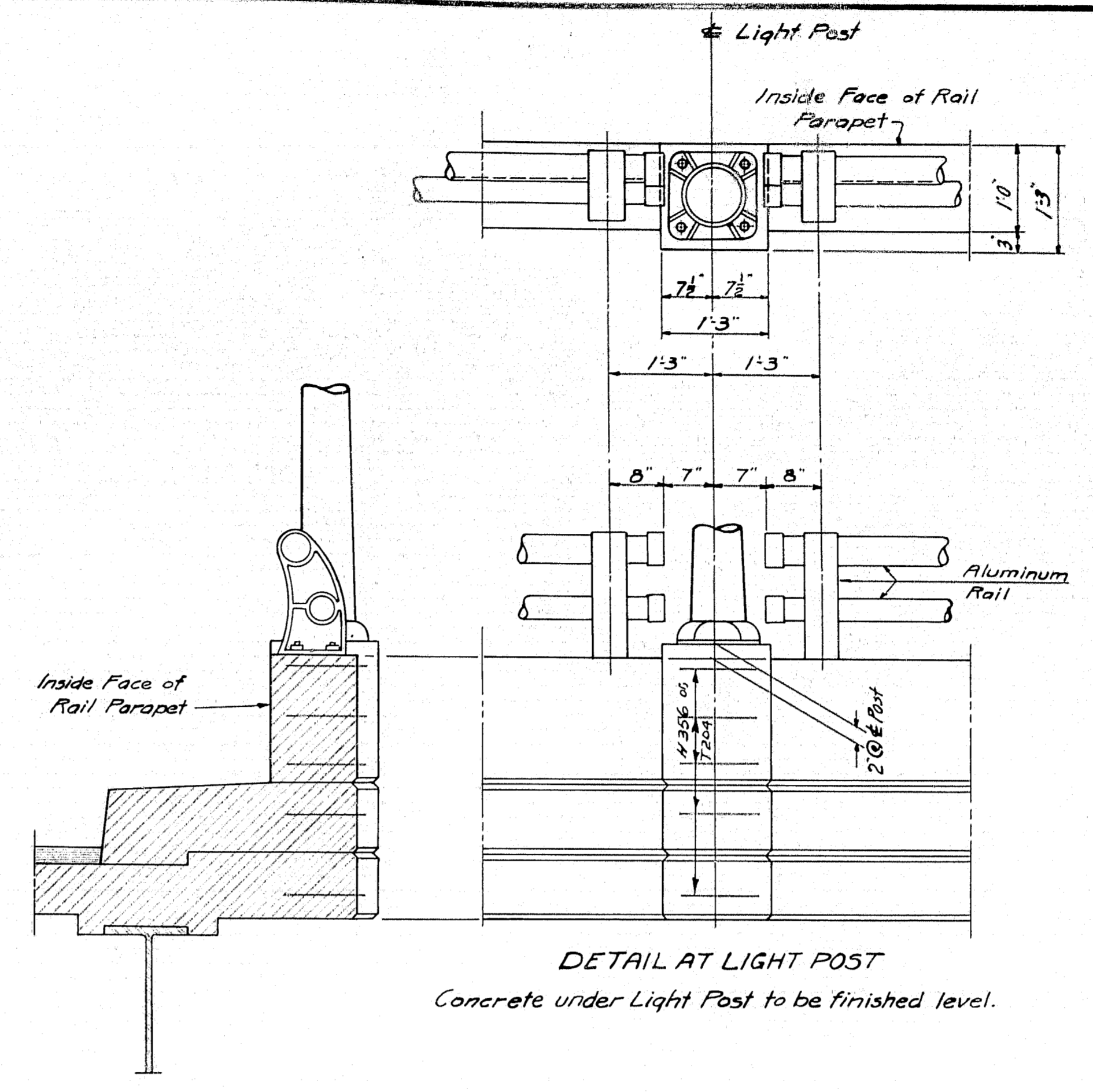
PLAN



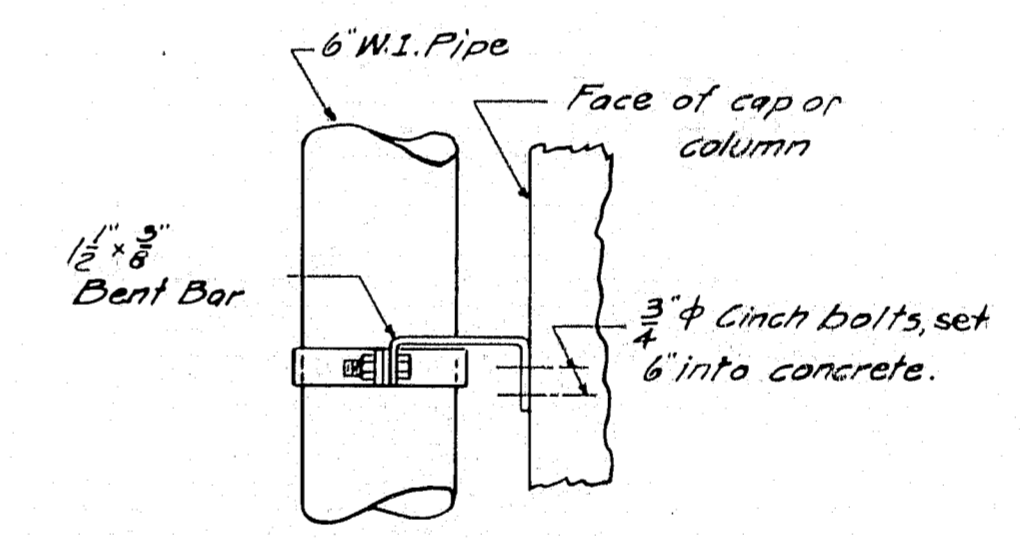
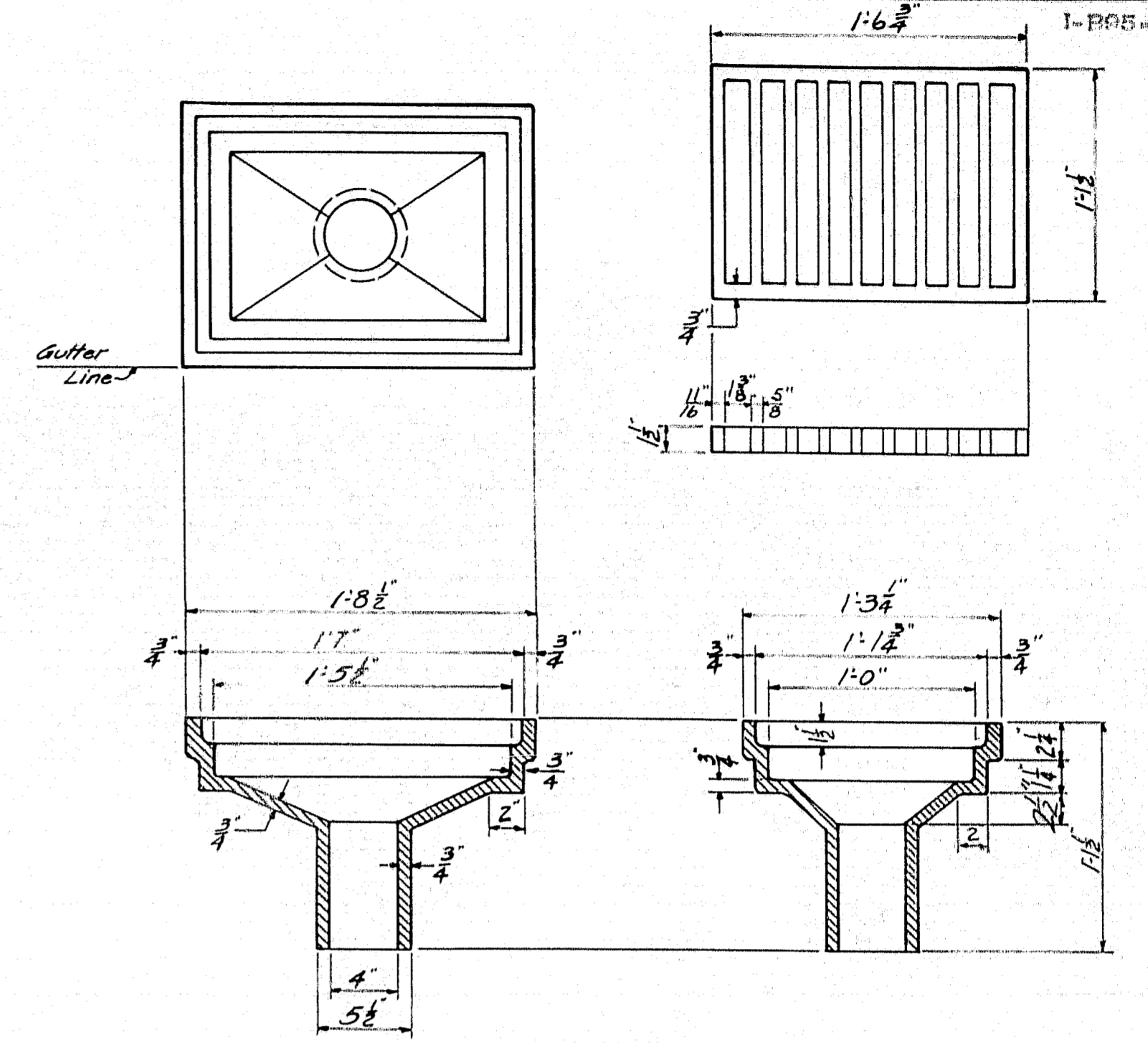
SECTION A-A
DRAINAGE DETAILS
AT ABUTMENT NO. 1.



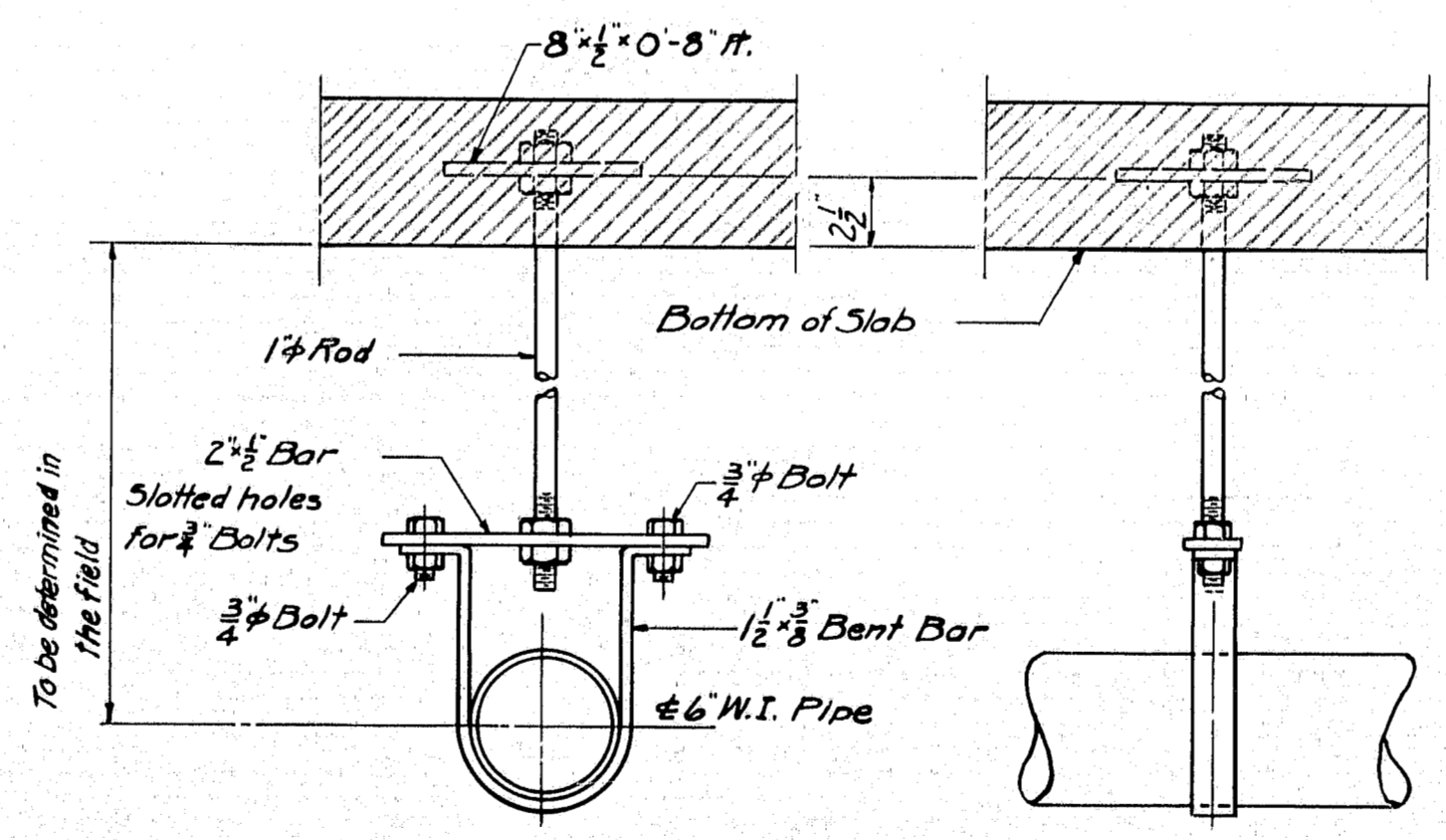
ELEVATION
DRAINAGE DETAILS AT PIER



DETAIL AT LIGHT POST
Concrete under Light Post to be finished level.

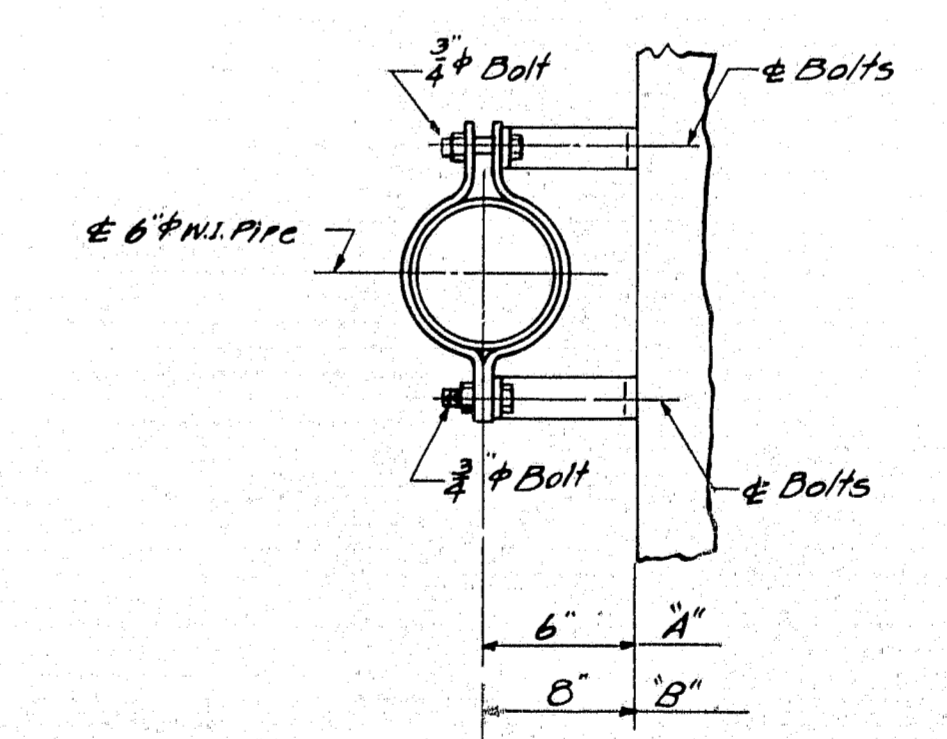


ELEVATION



HANGER "C"

1 - Pipe hanger "C" reqd. at pier.



PLAN

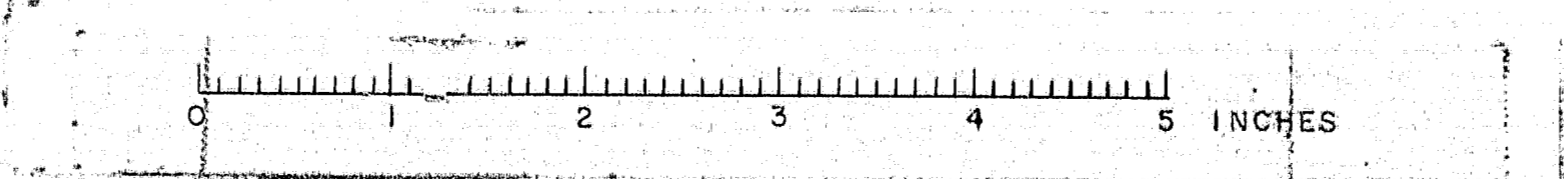
PIER - 1 - Pipe hanger "A" reqd. (Cap)
2 - " " " " " " (Column)
ABUTMENT - 3 Pipe hangers "A" " Abutment face.

DESIGN - HAMILTON
TRACE - JONES
CHECK - C. S. J.

BRIDGE NO. SURVEY - PLOT -

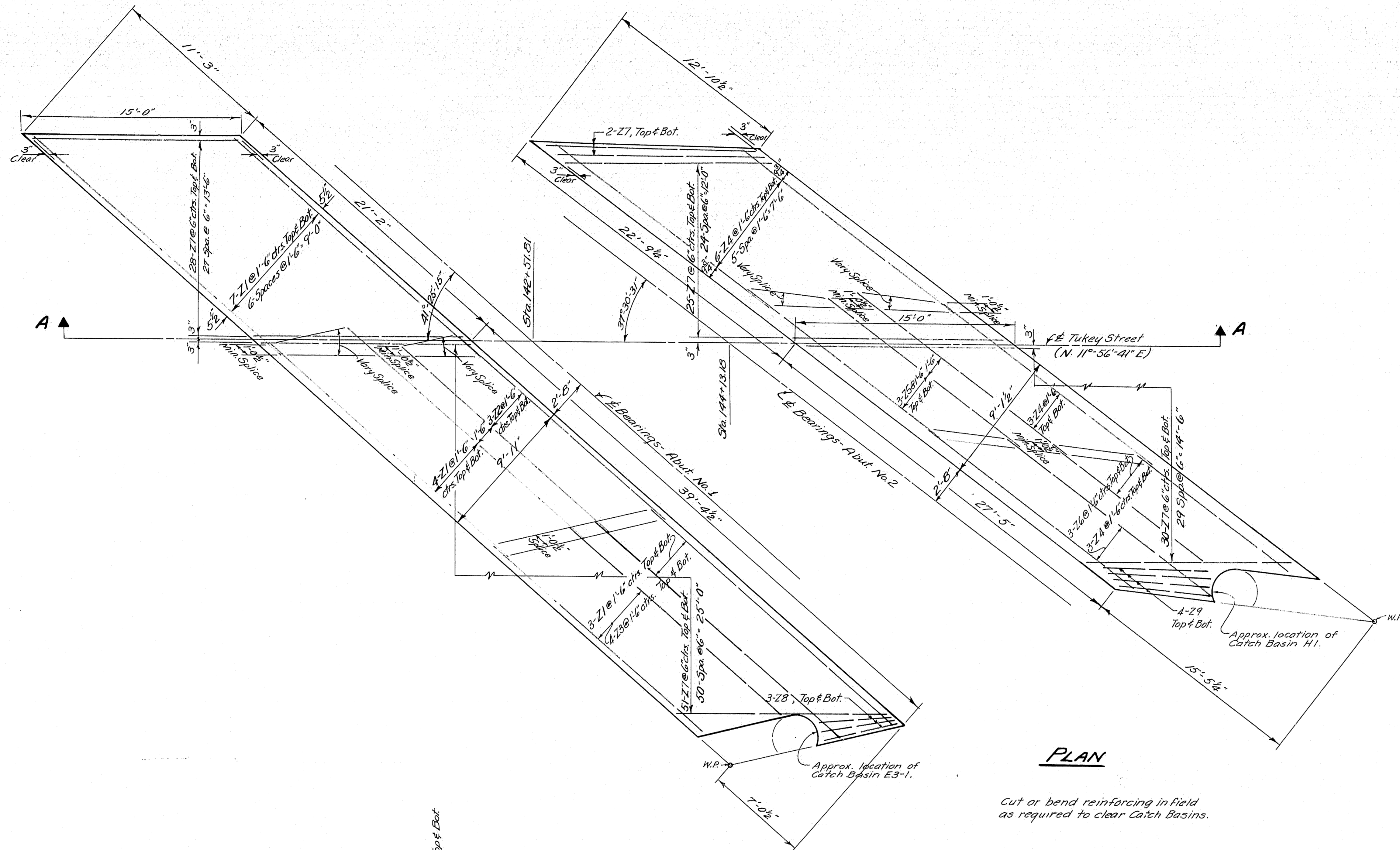
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
OVERPASS NO. 1
MISCELLANEOUS DETAILS
SHEET 98 OF 166 AUGUSTA, MAINE OCT. 1957



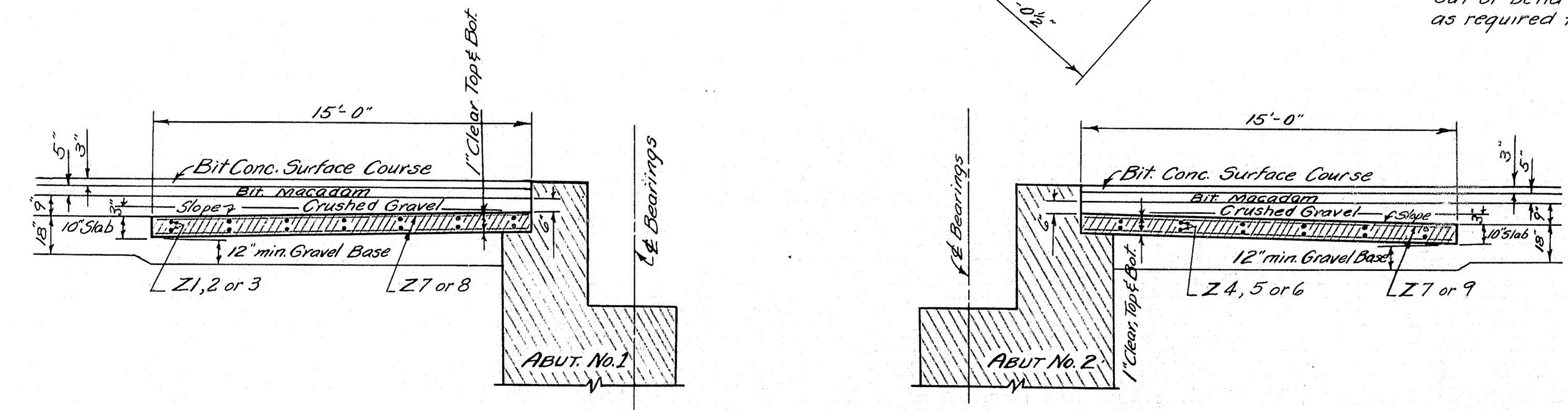
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-882-1(4)	99	166

1-B95-8(4) 50



PLAN

Cut or bend reinforcing in field as required to clear Catch Basins.

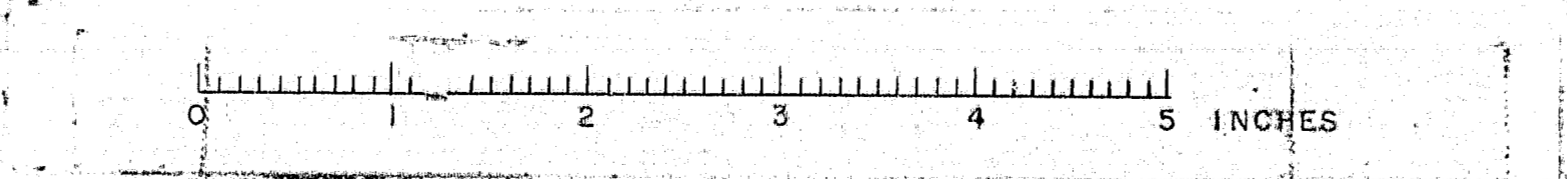


SECTION AA

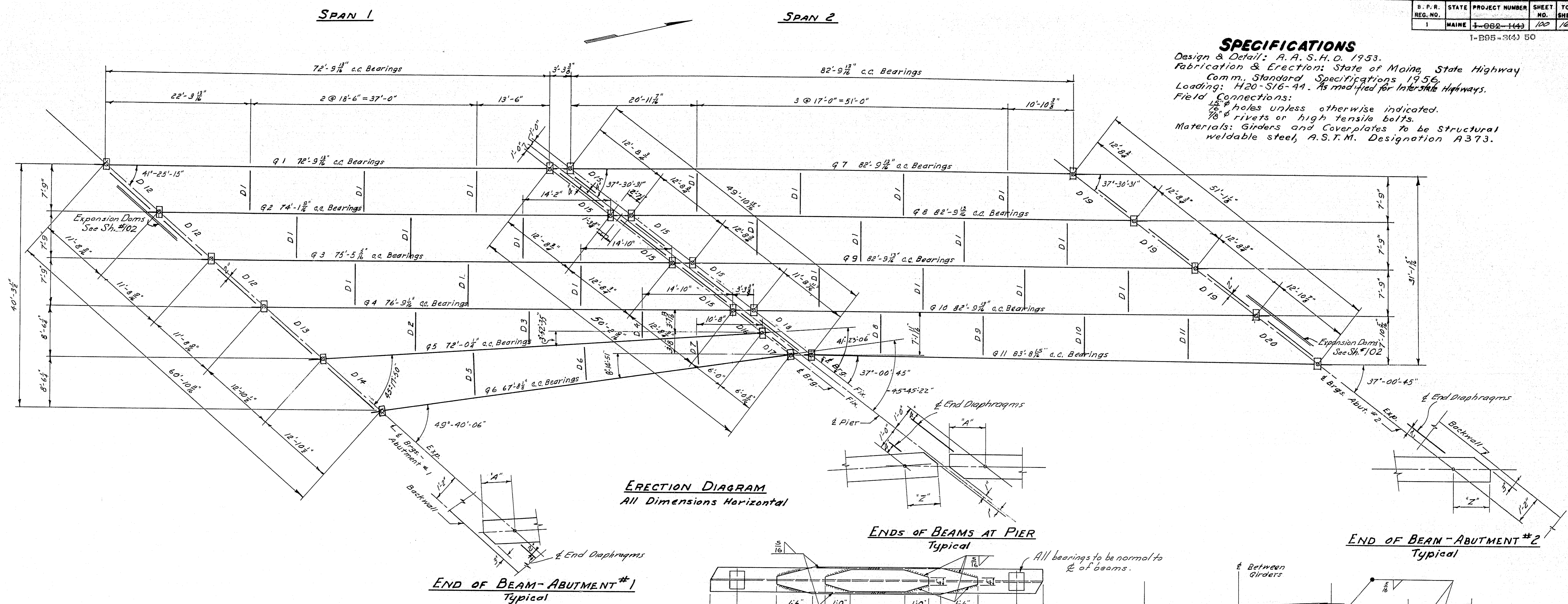
Payment for concrete in approach slabs shall be made under Item 701-A0

DESIGN - HARRIS	BRIDGE NO.
TRACE - SIROIS	SURVEY
CHECK - MCK	PLOT -

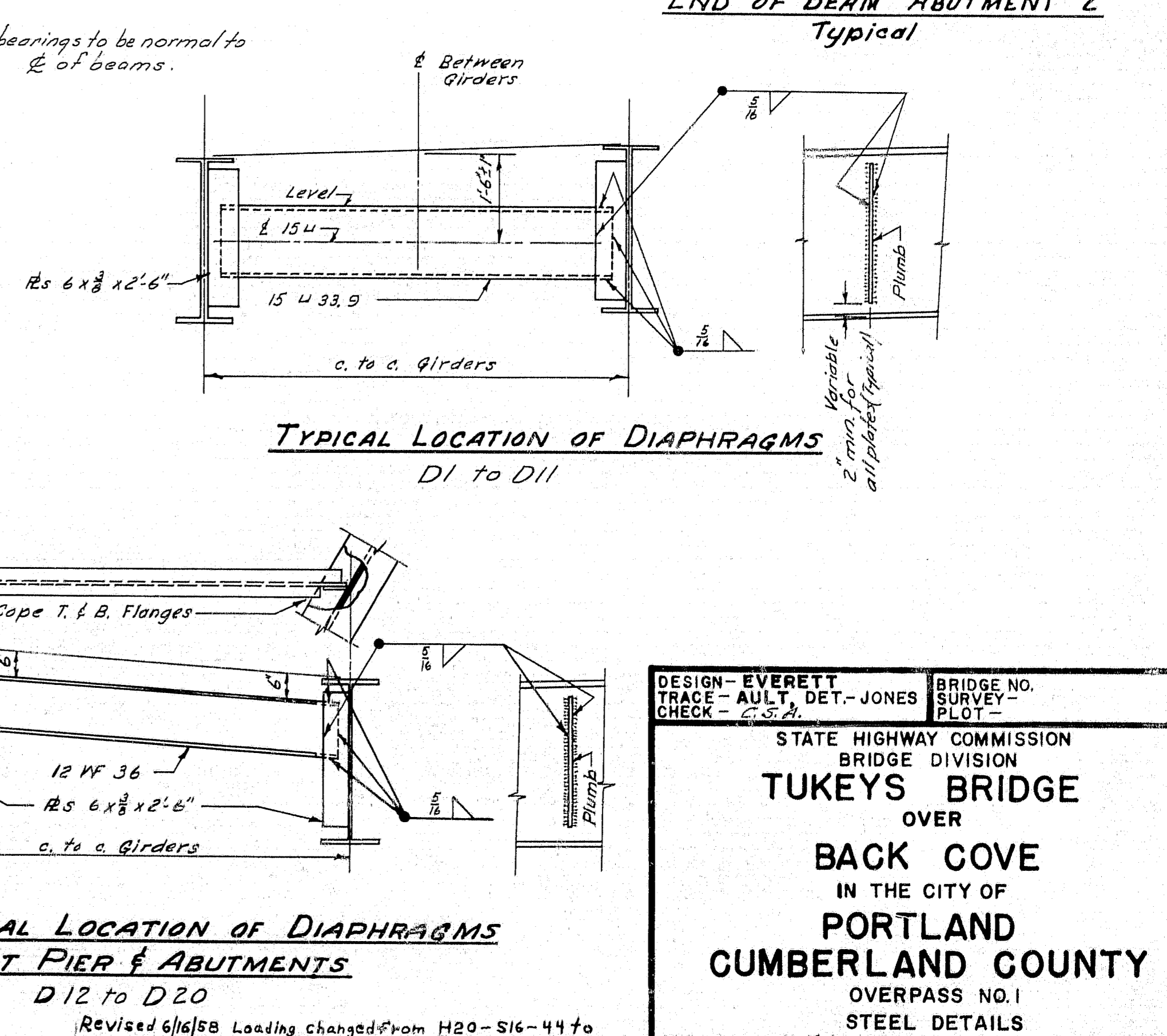
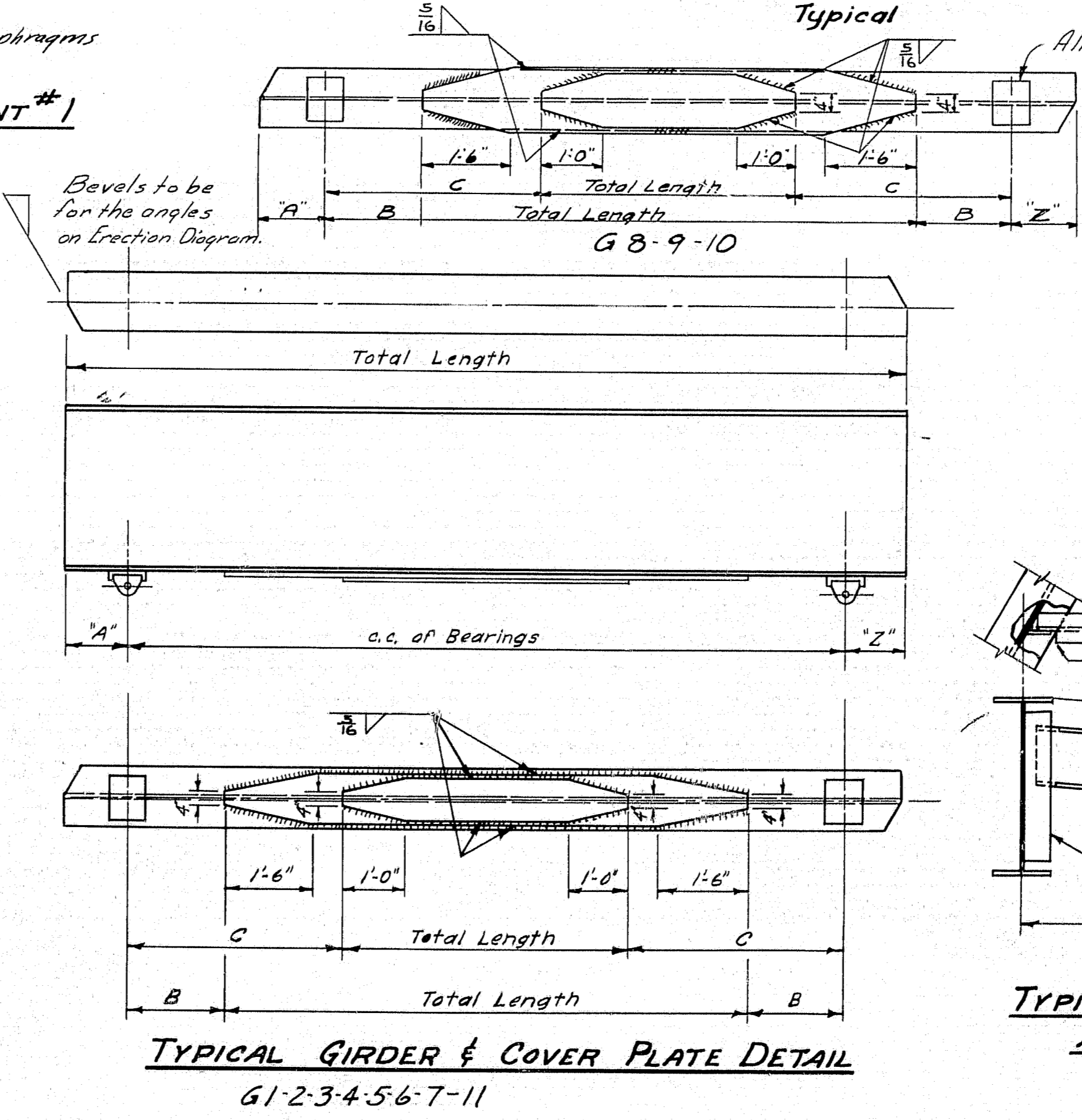
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND CUMBERLAND COUNTY
OVERPASS NO. 1
APPROACH SLABS
SHEET 99 OF 166 AUGUSTA, MAINE OCT. 1957



SPECIFICATIONS
 Design & Detail: A. A. S. H. O. 1953.
 Fabrication & Erection: State of Maine, State Highway Comm. Standard Specifications 1956.
 Loading: H20-S16-44. As modified for Interstate Highways.
 Field Connections:
 1/2" holes unless otherwise indicated.
 7/8" rivets or high tensile bolts.
 Materials: Girders and Coverplates to be Structural weldable steel, A.S.T.M. Designation A373.



Span	Girder Mark	c.c. of Bearings	Girder Section	Total Length	Cover Plates	Total R ₂ Lengths	Camber	B	C	"A"	"Z"
1	Q1	72'-9 1/8"	36 WF 150	75'-8 1/2"	10" x 1' x 52'-0" 9" x 1/2" x 31'-0"	3"	10'-4 29/32"	20'-10 29/32"	1'-4 5/8"	1'-6 1/8"	
	Q2	74'-1 1/8"	36 WF 170	77'-0 1/4"	10" x 1' x 54'-0" 9" x 1/2" x 34'-0"	3"	10'-0 25/32"	20'-0 25/32"	1'-4 5/8"	1'-6 1/8"	
	Q3	75'-5 1/8"	36 WF 170	78'-4"	11" x 1' x 55'-6" 9" x 3/4" x 35'-6"	3"	9'-11 21/32"	19'-11 21/32"	1'-4 5/8"	1'-6 1/8"	
	Q4	76'-9 1/8"	36 WF 170	79'-7 3/4"	10" x 1' x 56'-0" 9" x 1/2" x 39'-0"	3 1/2"	10'-4 17/32"	18'-10 17/32"	1'-4 5/8"	1'-6 1/8"	
	Q5	72'-0 1/2"	36 WF 160	74'-8 3/8"	10" x 1' x 51'-0" 9" x 3/8" x 32'-0"	3"	10'-6 5/8"	20'-0 5/8"	1'-3 1/2"	1'-4 5/8"	
	Q6	67'-8 1/8"	36 WF 150	70'-1 1/8"	10" x 1' x 46'-6"	2 1/2"	10'-7 1/2"	—	1'-2 7/8"	1'-3 3/8"	
2	Q7	82'-9 1/8"	36 WF 194	85'-9 1/8"	11" x 1' x 60'-0" 9 1/2" x 3/4" x 39'-0"	3 3/4"	11'-4 29/32"	21'-10 29/32"	1'-6 1/8"	1'-6 1/8"	
	Q8	82'-9 1/8"	36 WF 194	85'-9 1/8"	13" x 1' x 62'-0" 12" x 3/4" x 42'-0"	3 3/4"	10'-4 29/32"	20'-4 29/32"	1'-6 1/8"	1'-6 1/8"	
	Q9	82'-9 1/8"	36 WF 194	85'-9 1/8"	13" x 1' x 62'-0" 12" x 3/4" x 42'-0"	3 3/4"	10'-4 29/32"	20'-4 29/32"	1'-6 1/8"	1'-6 1/8"	
	Q10	82'-9 1/8"	36 WF 194	85'-9 1/8"	13" x 1' x 62'-0" 12" x 3/4" x 42'-0"	3 3/4"	10'-4 29/32"	20'-4 29/32"	1'-6 1/8"	1'-6 1/8"	
	Q11	83'-8 1/8"	36 WF 194	86'-9 1/8"	11" x 1' x 59'-0" 9 1/2" x 3/8" x 38'-0"	3 3/4"	12'-4 15/32"	22'-10 15/32"	1'-6 1/4"	1'-6 1/4"	

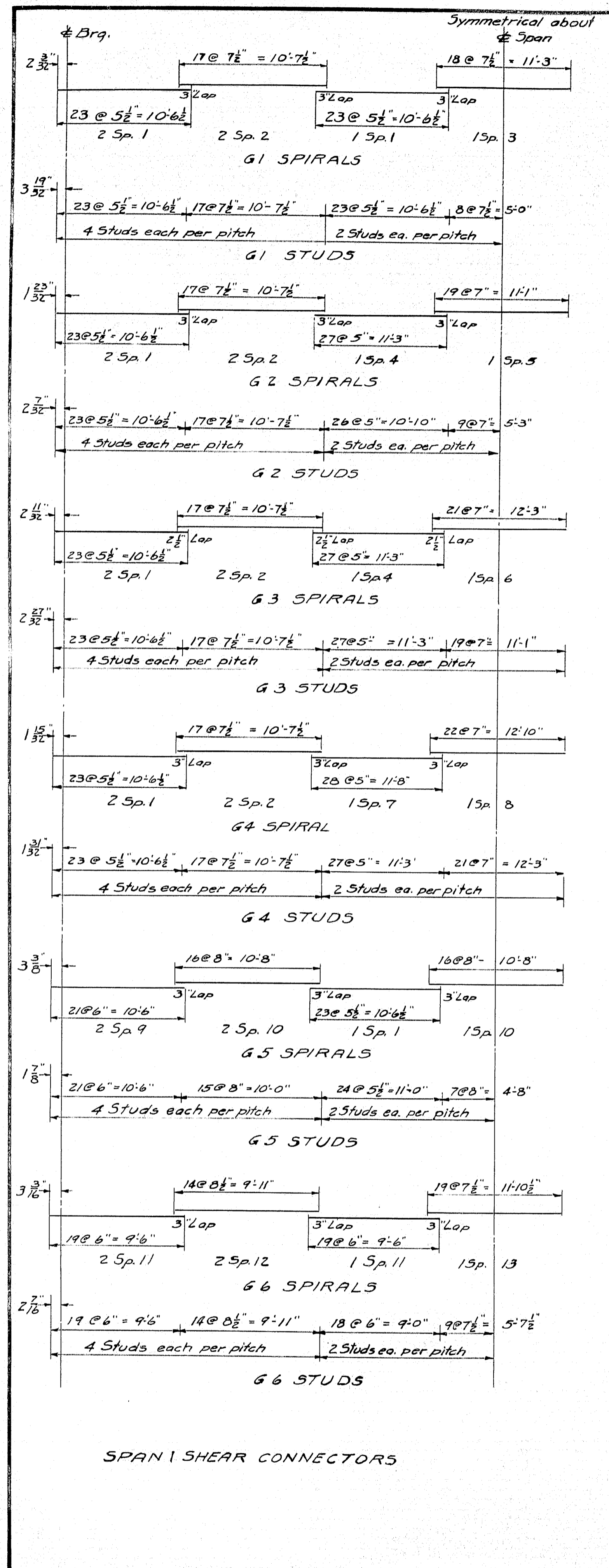


DESIGN - EVERETT
 TRACE - AULT, DET. - JONES
 CHECK - C. S. A.

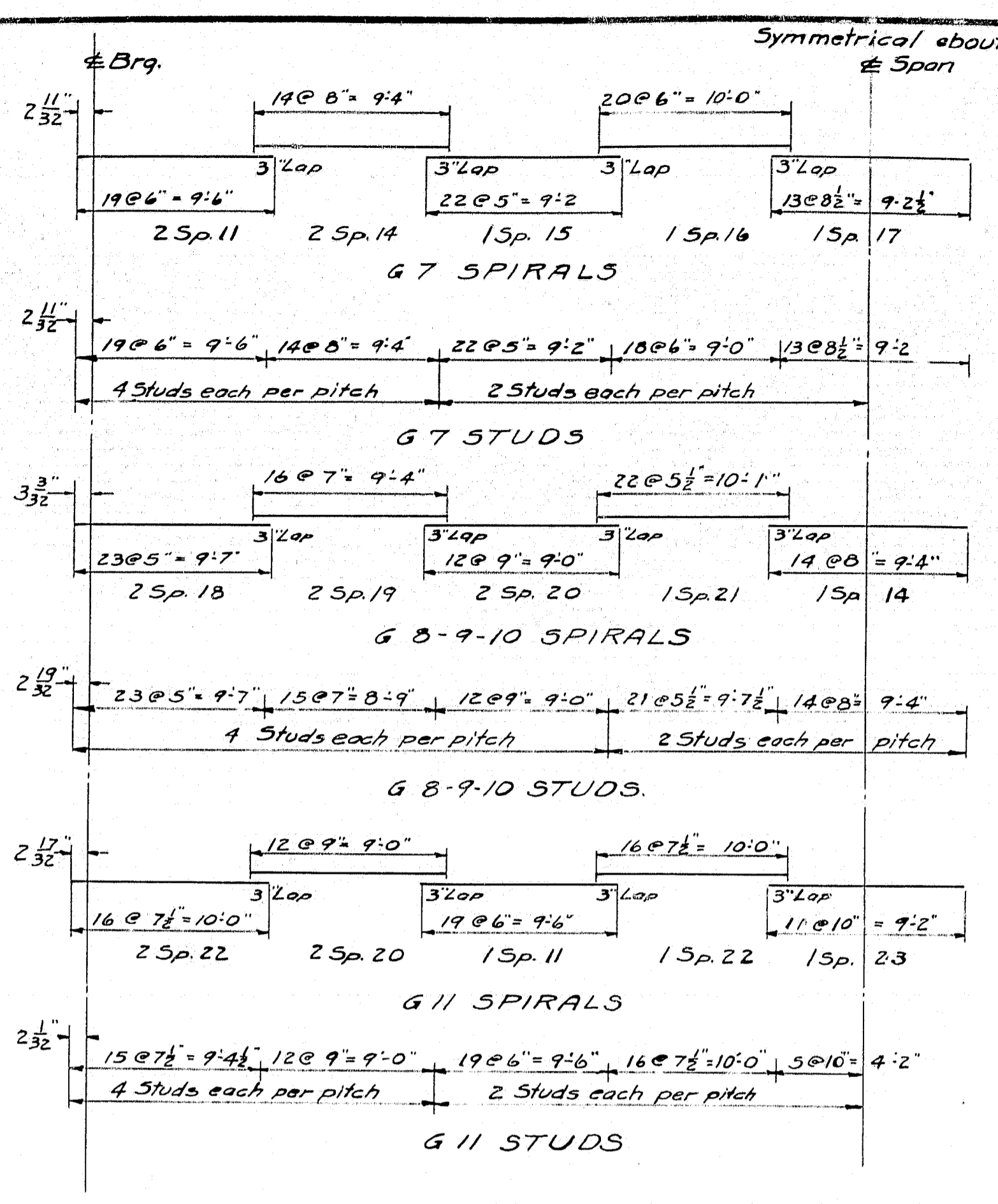
BRIDGE NO. SURVEY - PLOT -

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
 OVERPASS NO. 1
 STEEL DETAILS

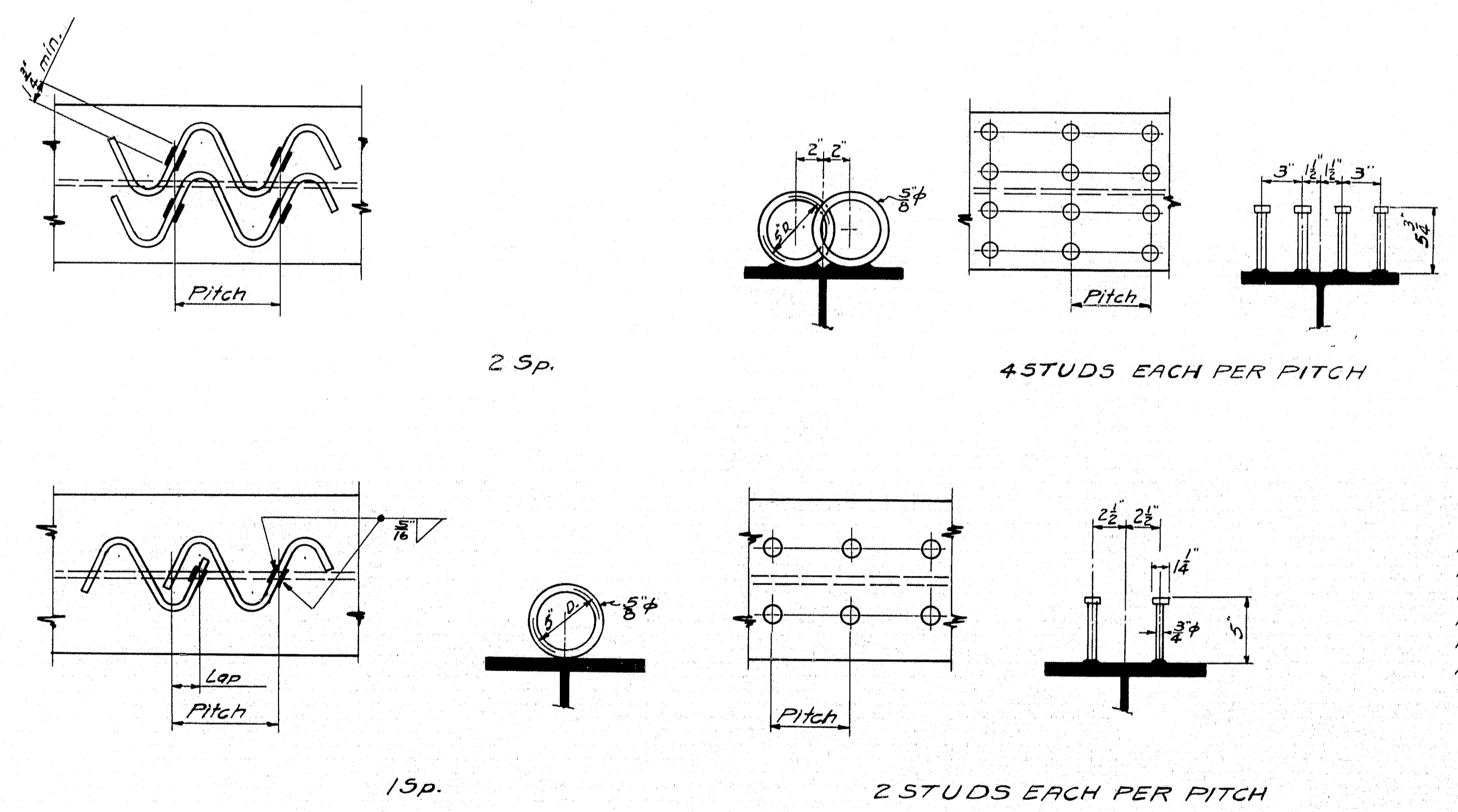
SHEET 100 OF 166 AUGUSTA, MAINE OCT. 1957



SPAN 1 SHEAR CONNECTORS



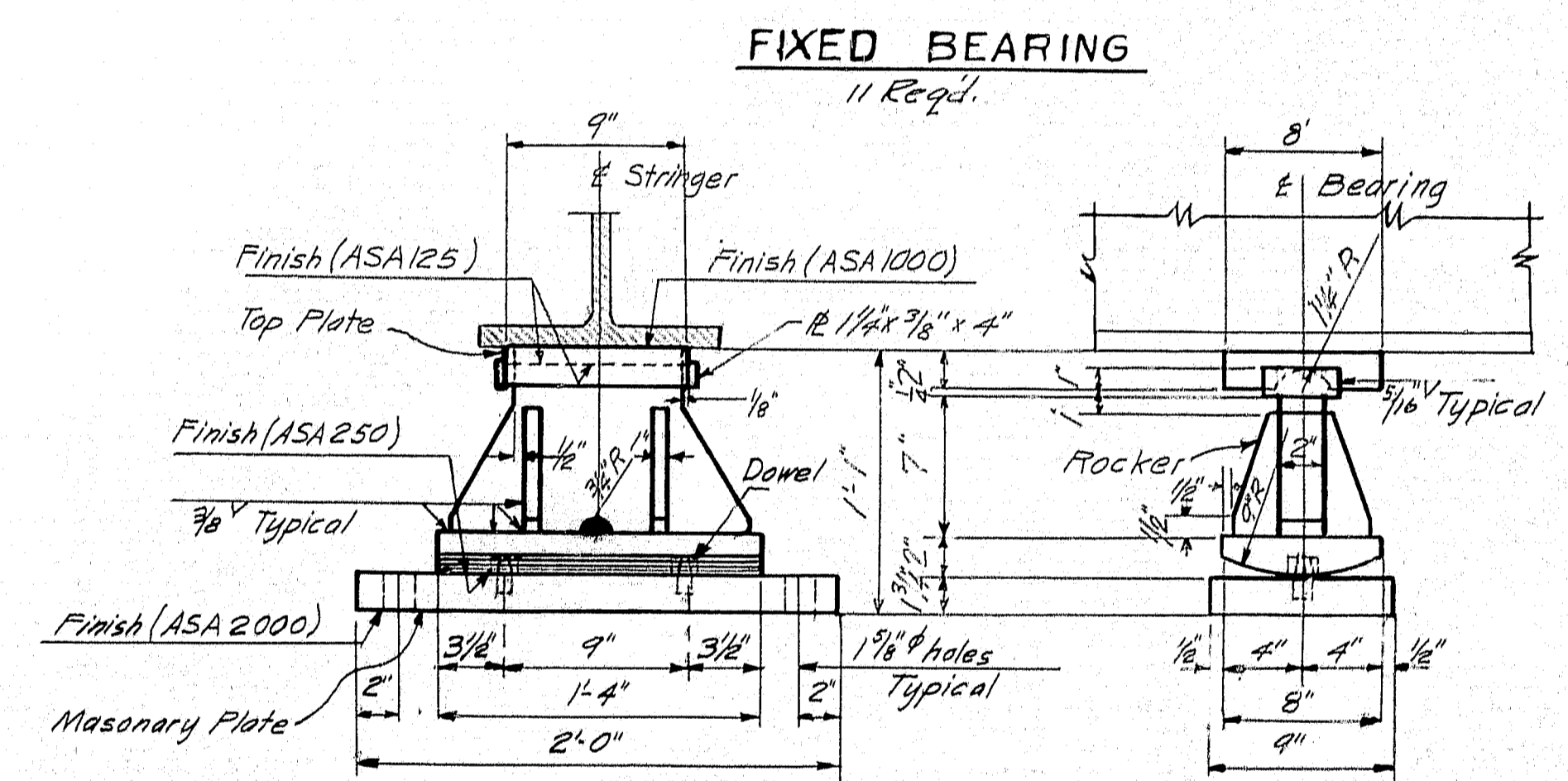
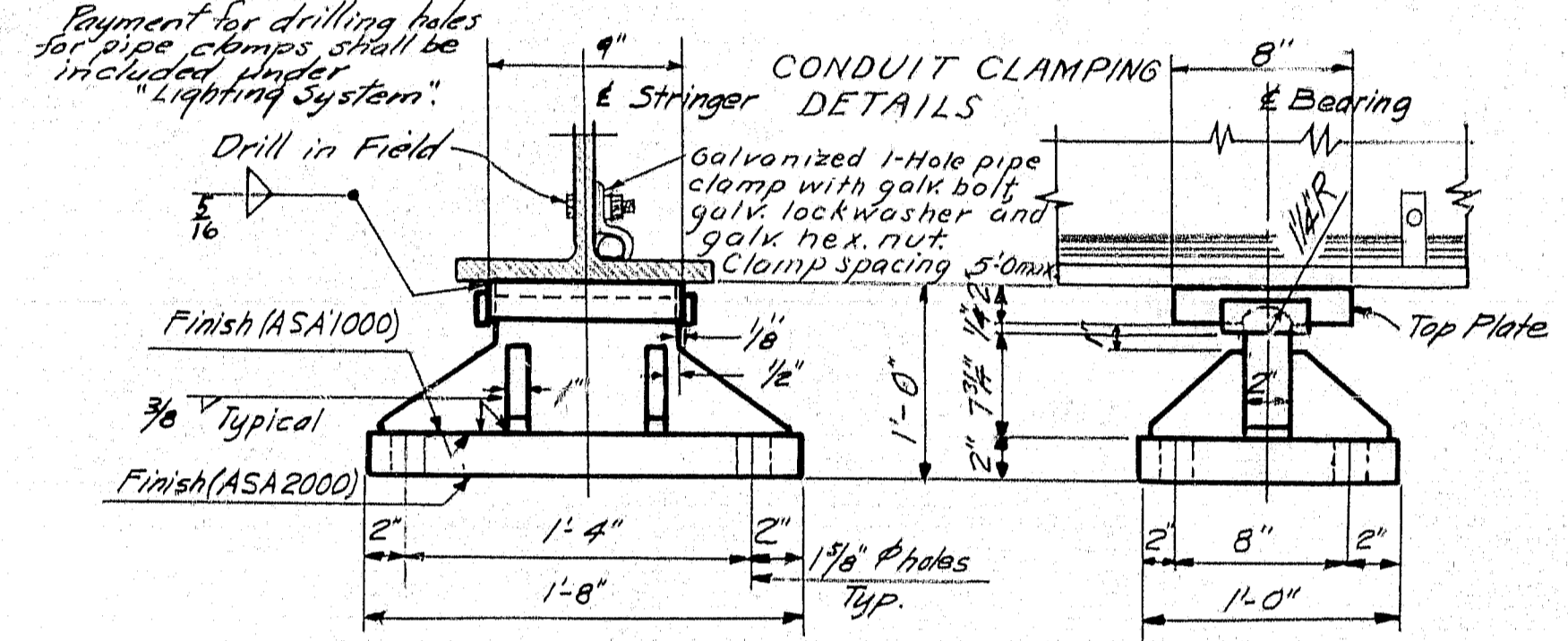
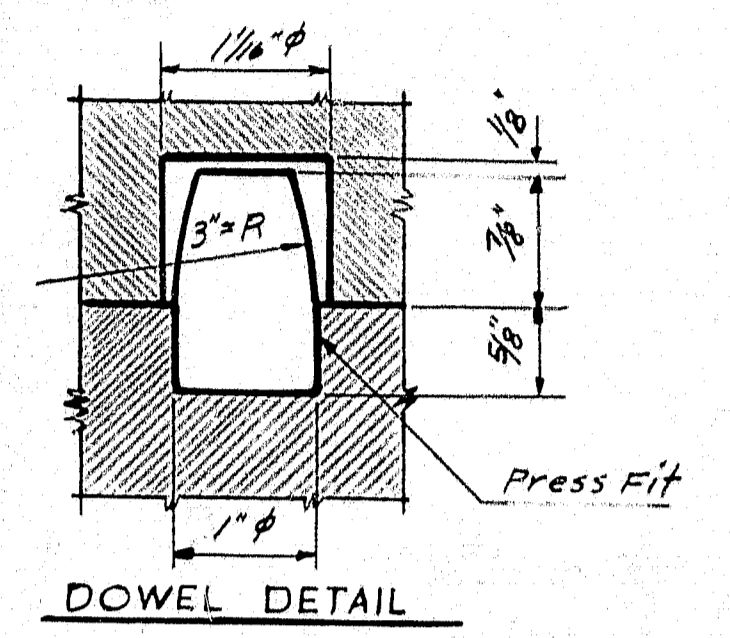
SPAN 2 SHEAR CONNECTORS.



SHEAR CONNECTORS W.J.V.

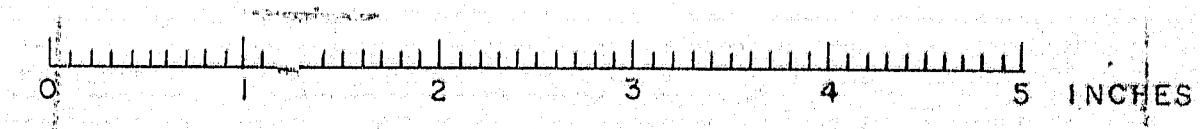
Shear Connectors may be either welded spirals or automatically end welded studs.
 # of 3/8" x 5/8" studs req'd. 3600
 # of 3/8" x 5/8" studs req'd. 1452

SPIRAL TABLE				
MARK	NO.	SPACES	PITCH	LENGTH
Sp 1	20	23	5 1/2"	10'-6 1/2"
Sp 2	16	17	7 1/2"	10'-7 1/2"
Sp 3	1	18	7 1/2"	11'-3"
Sp 4	4	27	5"	11'-3"
Sp 5	1	19	7"	11'-7"
Sp 6	1	21	7"	12'-3"
Sp 7	2	28	5"	11'-8"
Sp 8	1	22	7"	12'-10"
Sp 9	4	21	6"	10'-6"
Sp 10	5	16	8"	10'-8"
Sp 11	12	19	6"	9'-8"
Sp 12	4	14	8 1/2"	9'-11"
Sp 13	1	19	7 1/2"	11'-10 1/2"
Sp 14	7	14	8"	9'-2"
Sp 15	2	22	5"	9'-2"
Sp 16	2	20	6"	10'-0"
Sp 17	1	13	8 1/2"	9'-2 1/2"
Sp 18	12	23	5"	9'-2"
Sp 19	12	16	7"	9'-4"
Sp 20	16	12	9"	9'-0"
Sp 21	6	22	5 1/2"	10'-1"
Sp 22	6	16	7 1/2"	10'-0"
Sp 23	1	11	10"	9'-2"



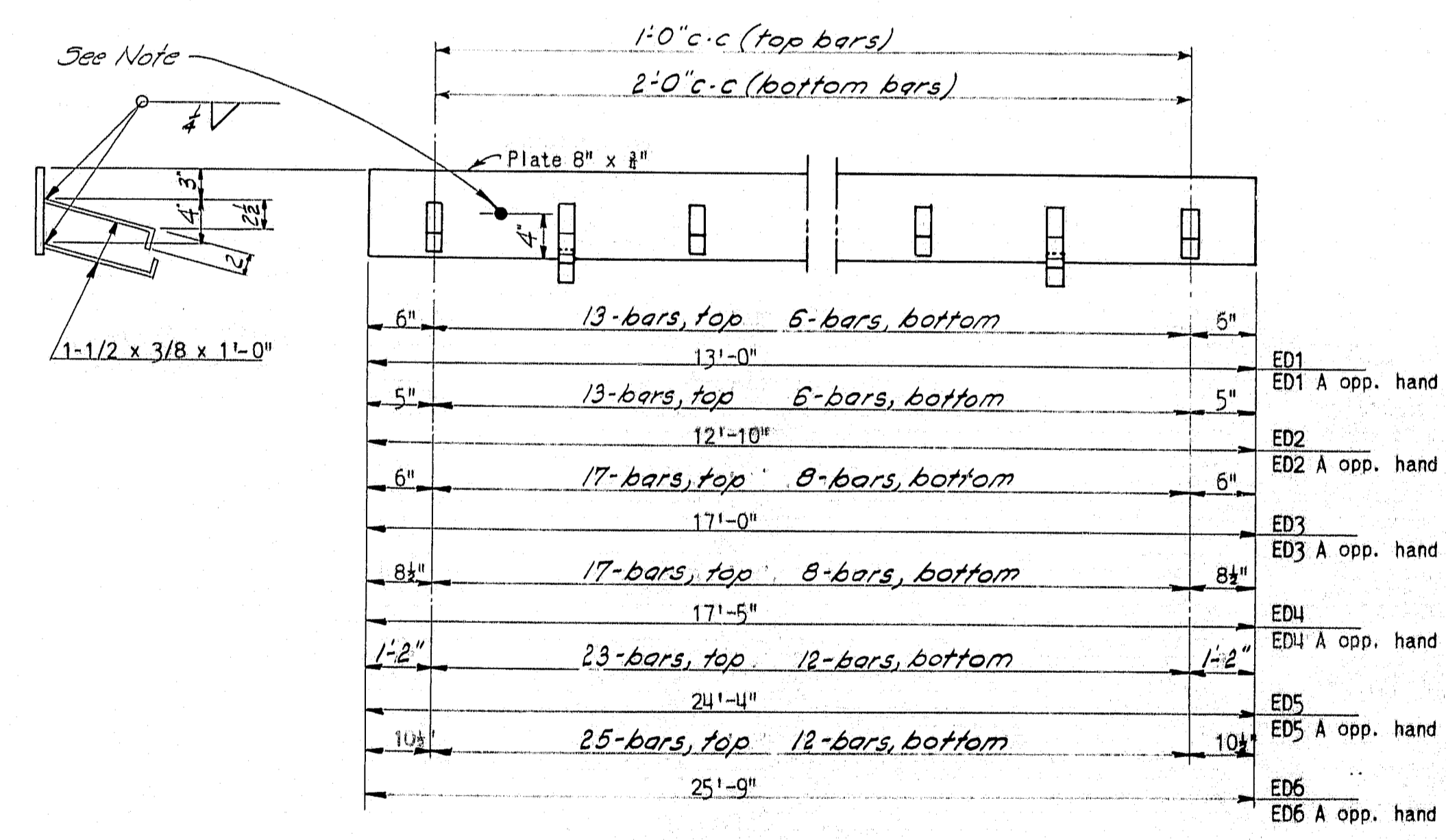
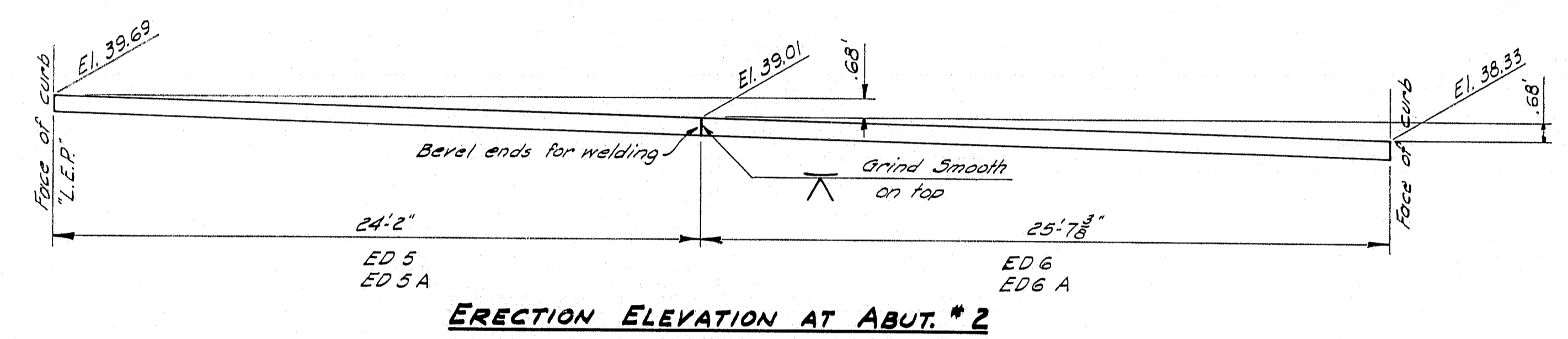
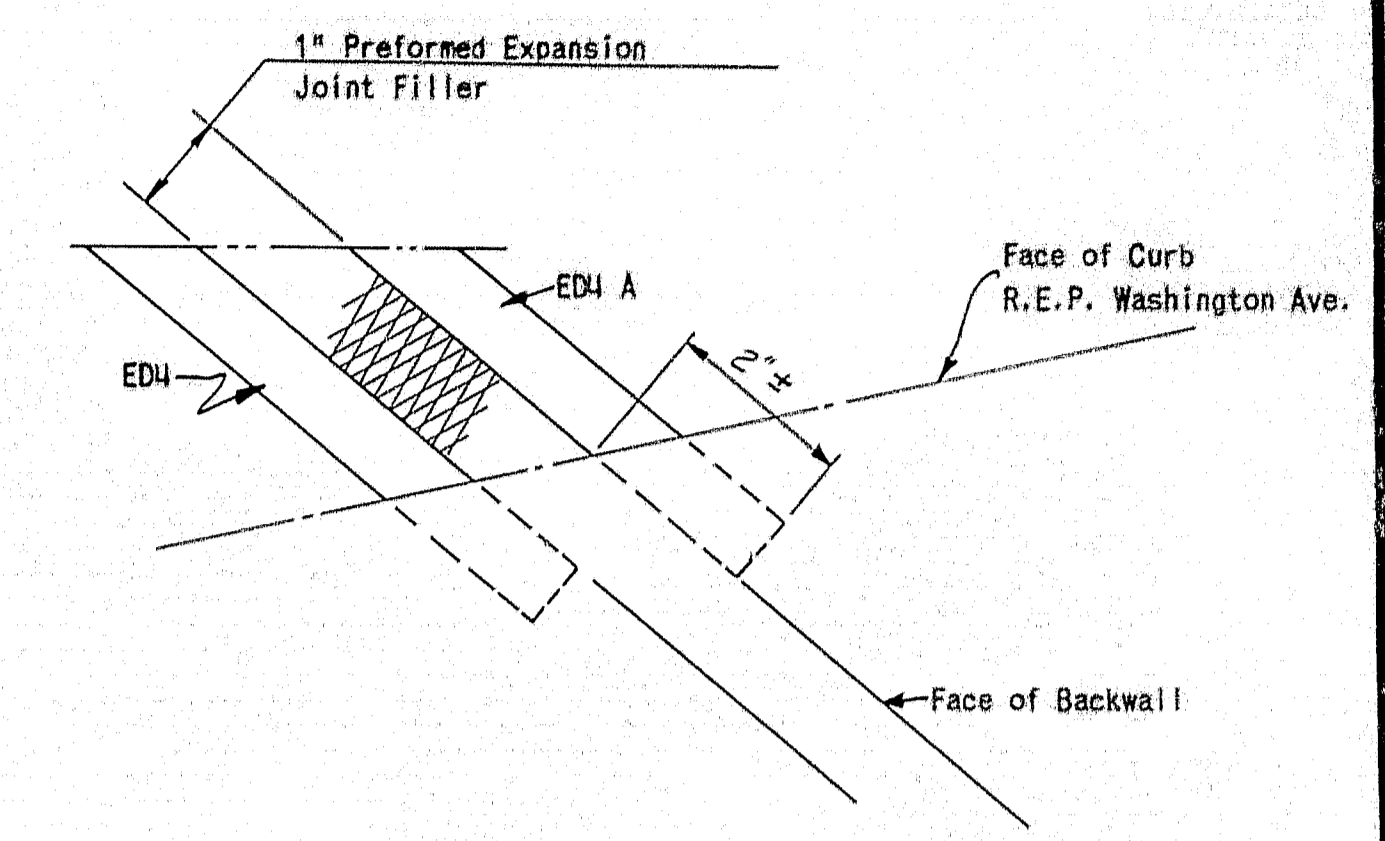
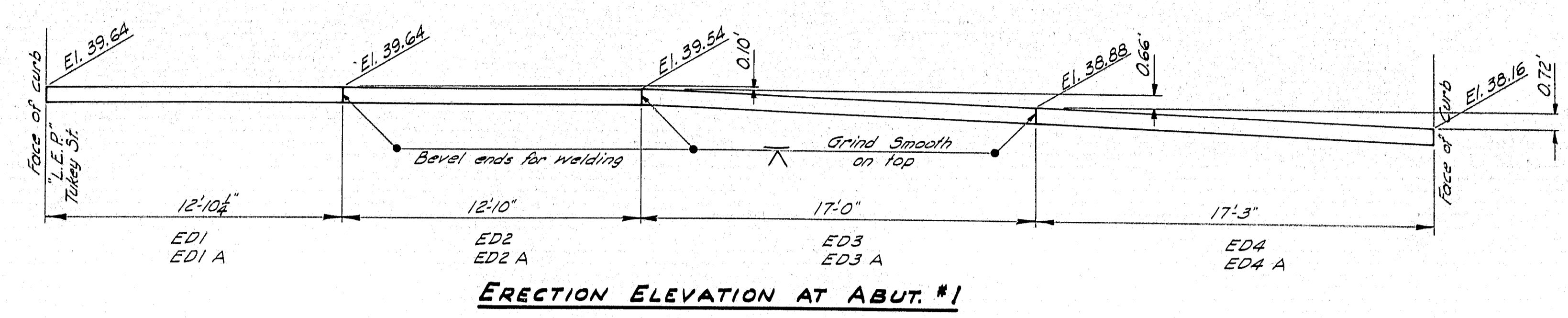
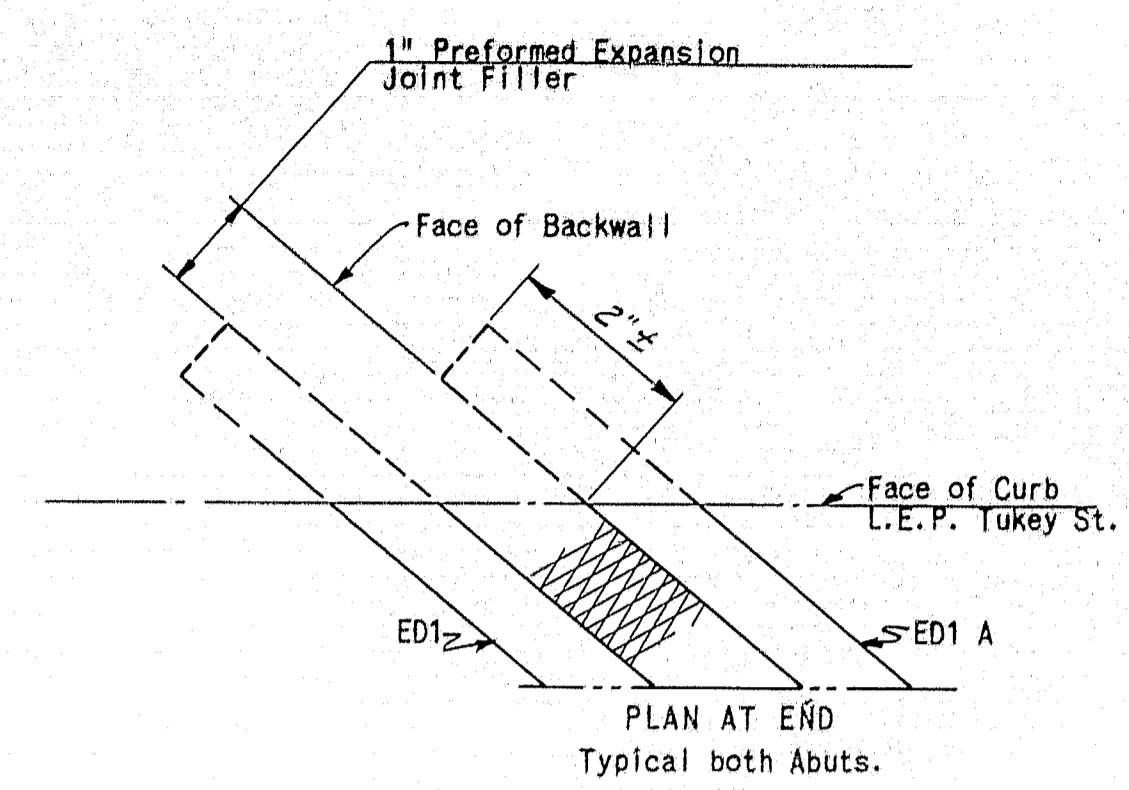
General Notes
 All welding to be 3/8" fillet unless otherwise noted.
 Top plate to be field welded to bottom of stringers.
 1/4" Swedge anchor-bolts with 1 hex nut and 3" x 3/8" washer.
 Anchor bolts to be set 12" into masonry.
 At Pier 1, 11 fixed bearings required.
 At abutments 11 E.B., 11 expansion bearings required.

DESIGN - EVERETT	BRIDGE NO.
TRACE - W. HARRIS	SURVEY
CHECK - W. H. 234	PLOT -
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
OVERPASS NO. 1	
STEEL DETAILS	
SHEAR CONNECTORS	
SHEET 101 OF 166	AUGUSTA, MAINE
OCT. 1957	



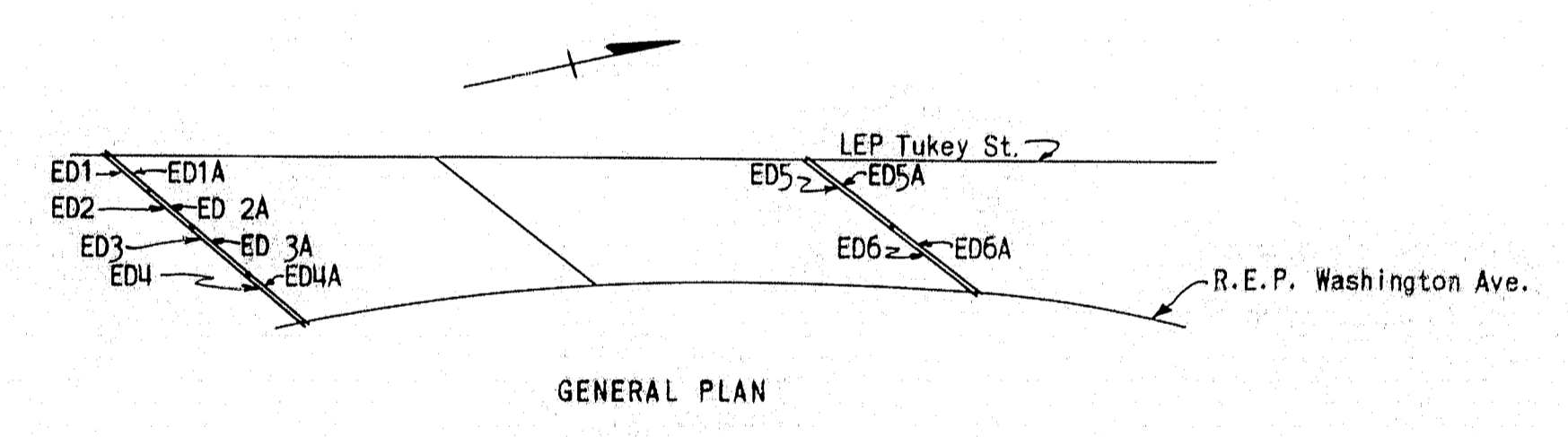
S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-662-1442	102	166

I-B95-2(4) 60

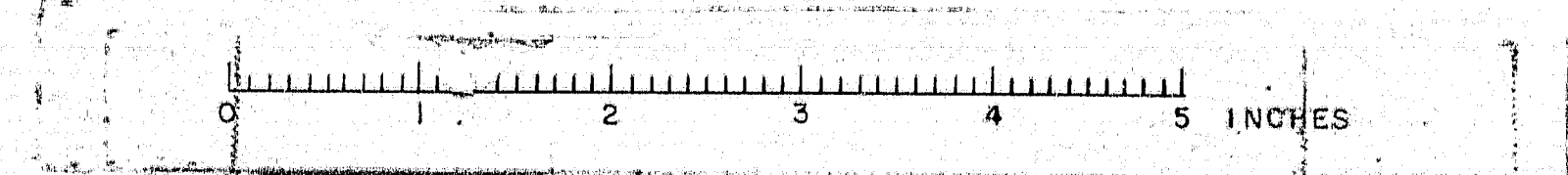


END DAMS ED1-6 & ED1A - 6A
One (1) each req'd.

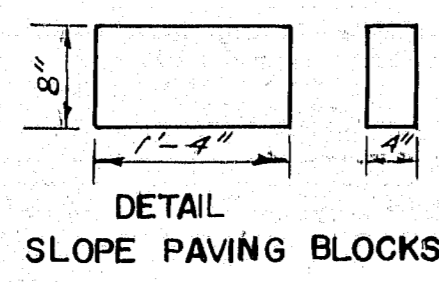
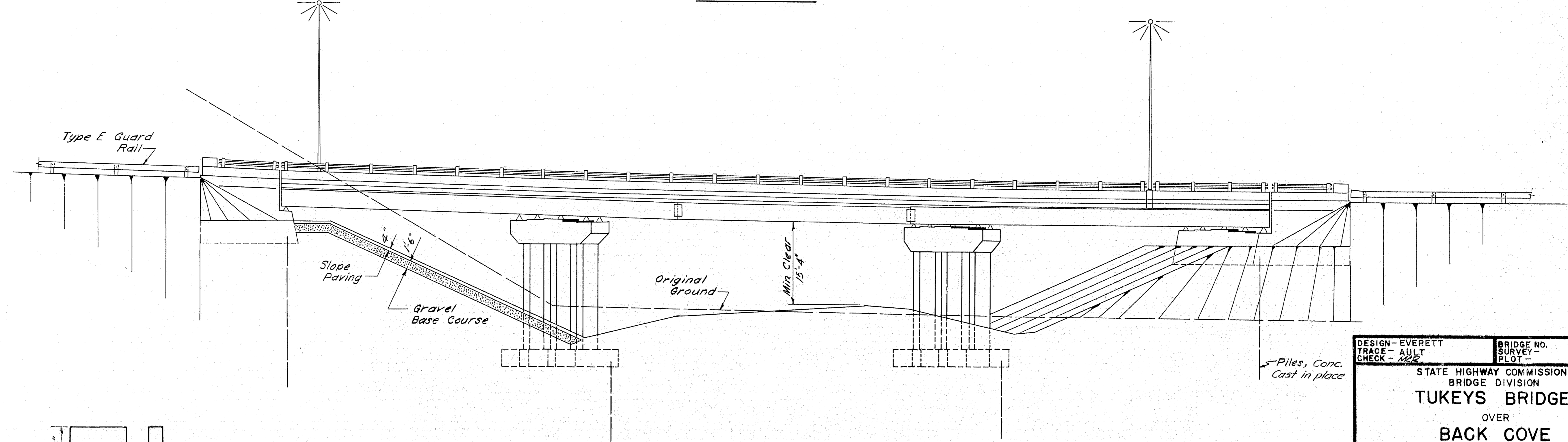
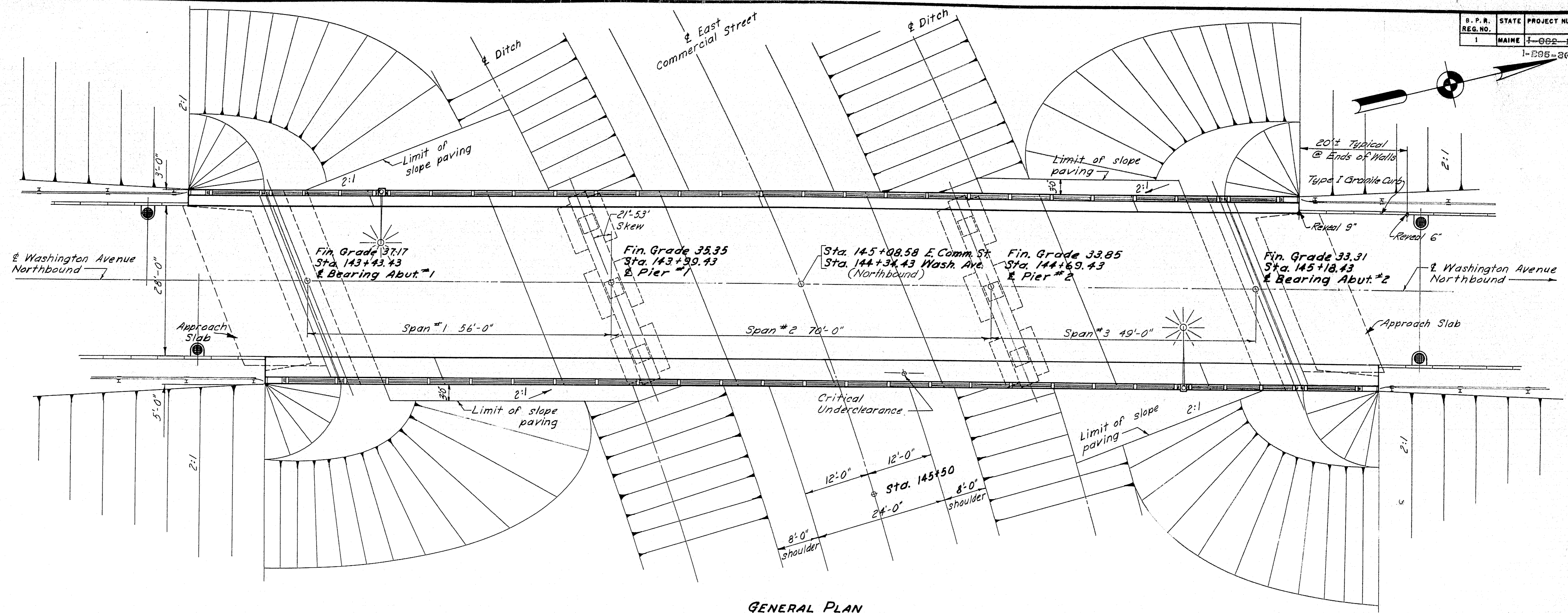
NOTE: Holes for 1/2" bolts @ 2'-0", to be provided in 12" ED1, 2, 3, 4, 5A, & 6A only.



DESIGN - ALLEN	BRIDGE NO.
TRACE - CLARK	SURVEY -
CHECK -	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
OVERPASS NO. 1 EXPANSION DAMS	
SHEET 102 OF 166 AUGUSTA, MAINE OCT. 1957	



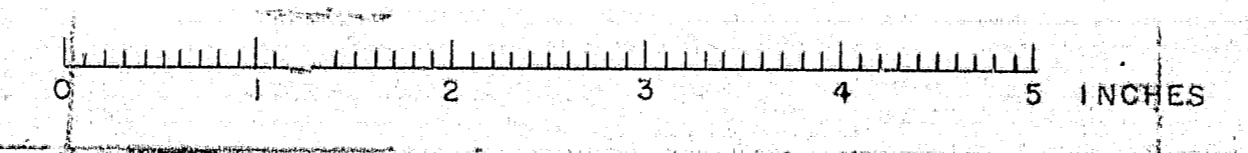
D. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-002-1443	103	166



DESIGN - EVERETT
 TRACE - AULT
 CHECK - [Signature]

BRIDGE NO. SURVEY PLOT - [Signature]

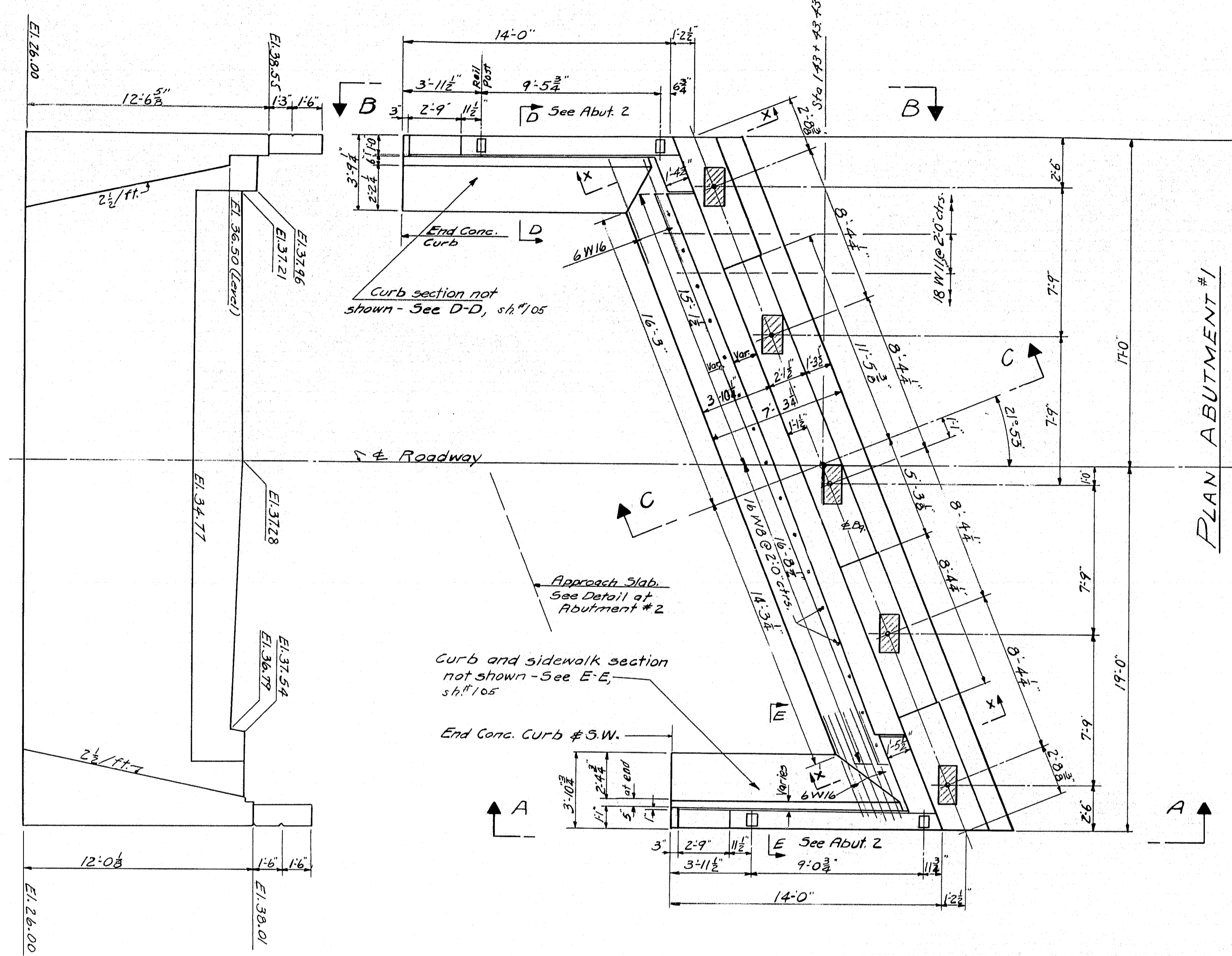
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
 OVERPASS NO. 2
 GENERAL PLAN & ELEVATION
 SHEET 103 OF 166 AUGUSTA, MAINE OCT. 1957



S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	2-080-146	104	166

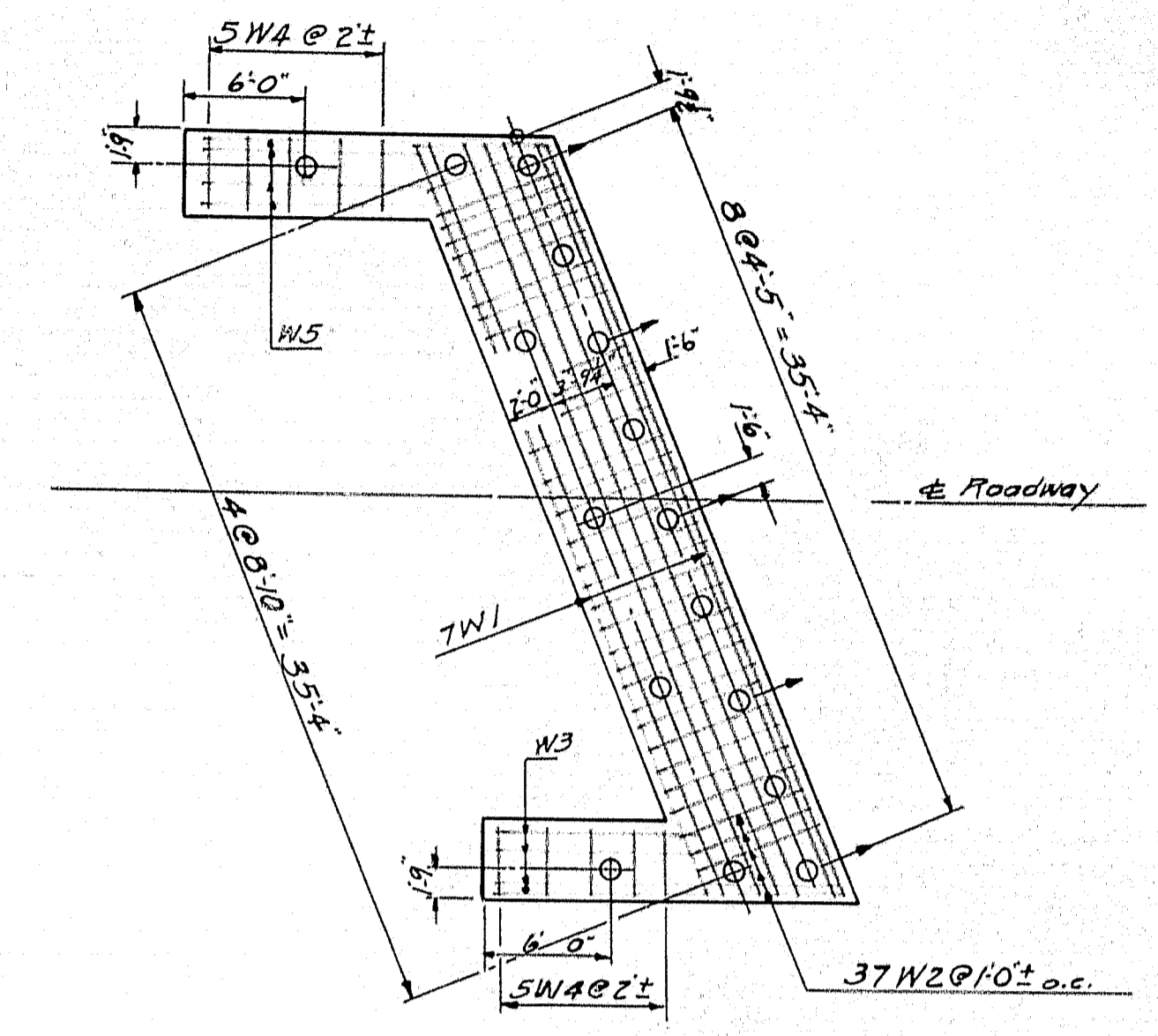
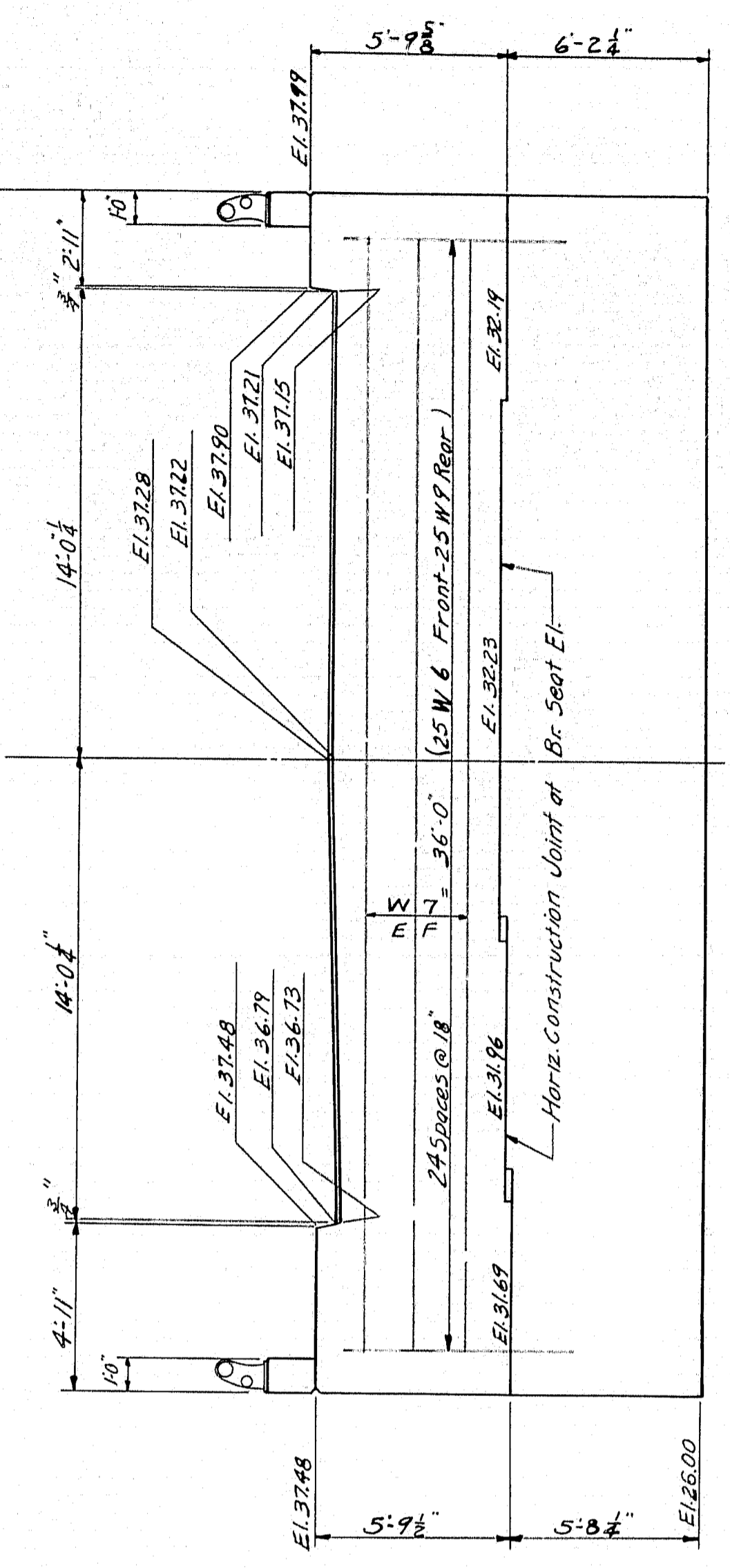
1-B95-3(3) 80

REAR ELEVATION ABUT. #1



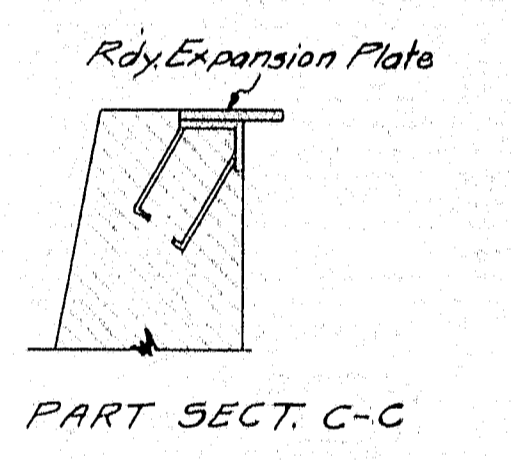
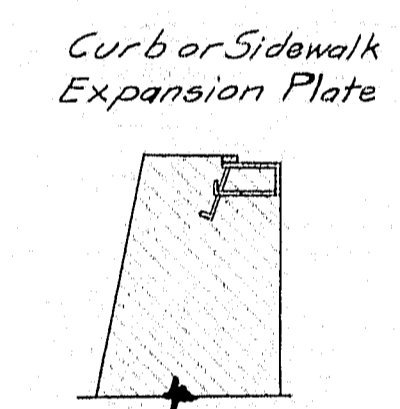
PLAN ABUTMENT #1

FRONT ELEVATION ABUT. #1

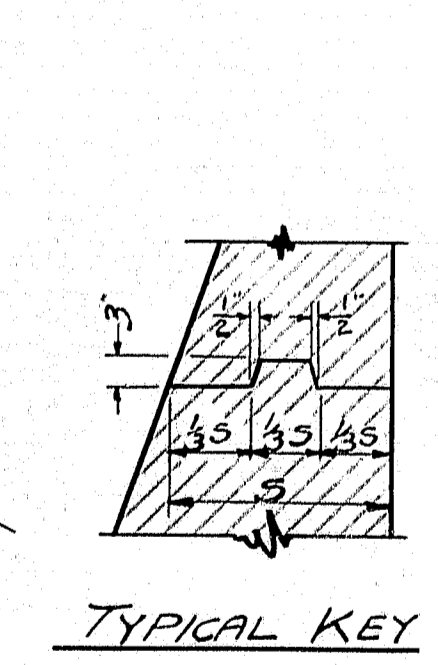
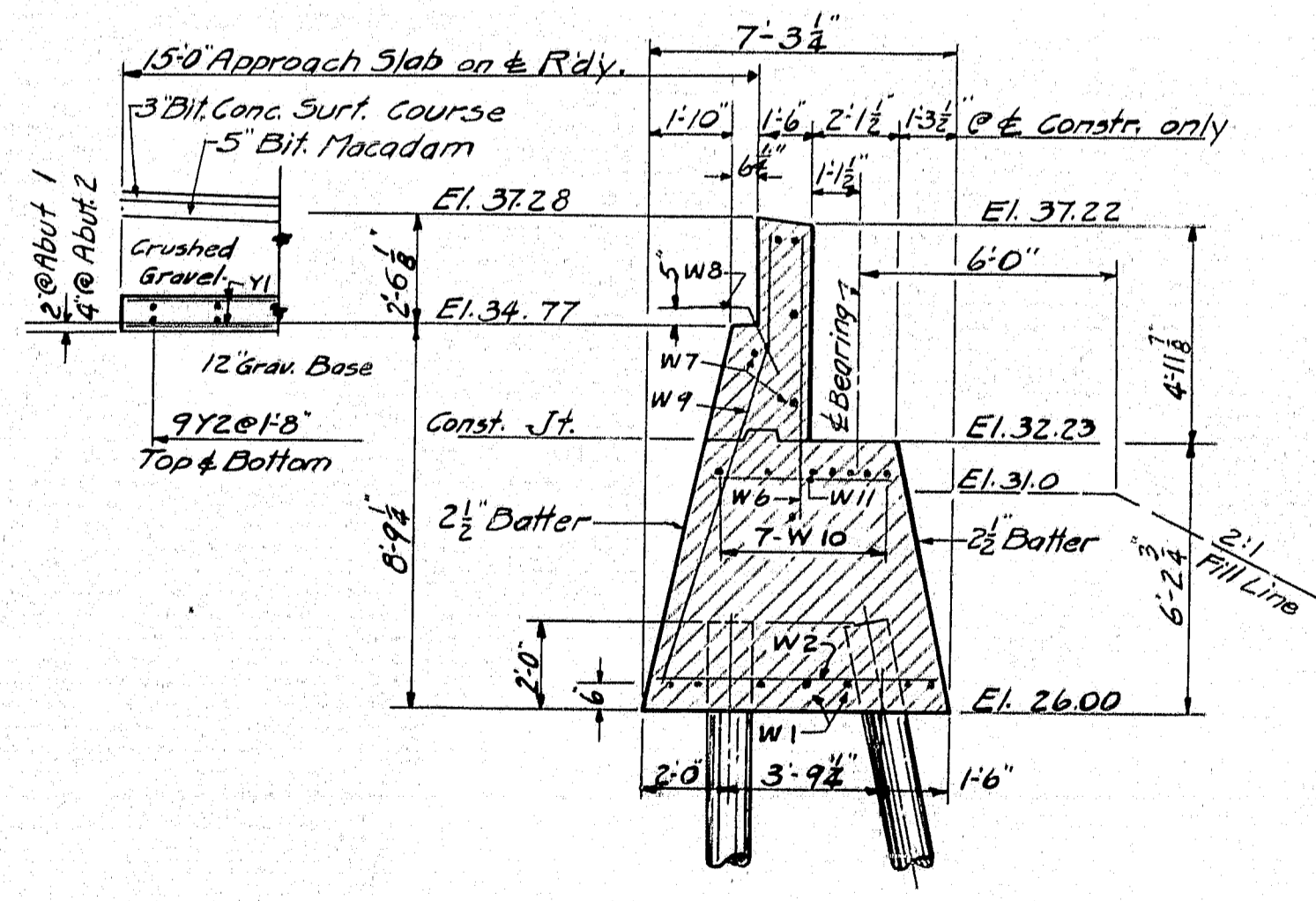
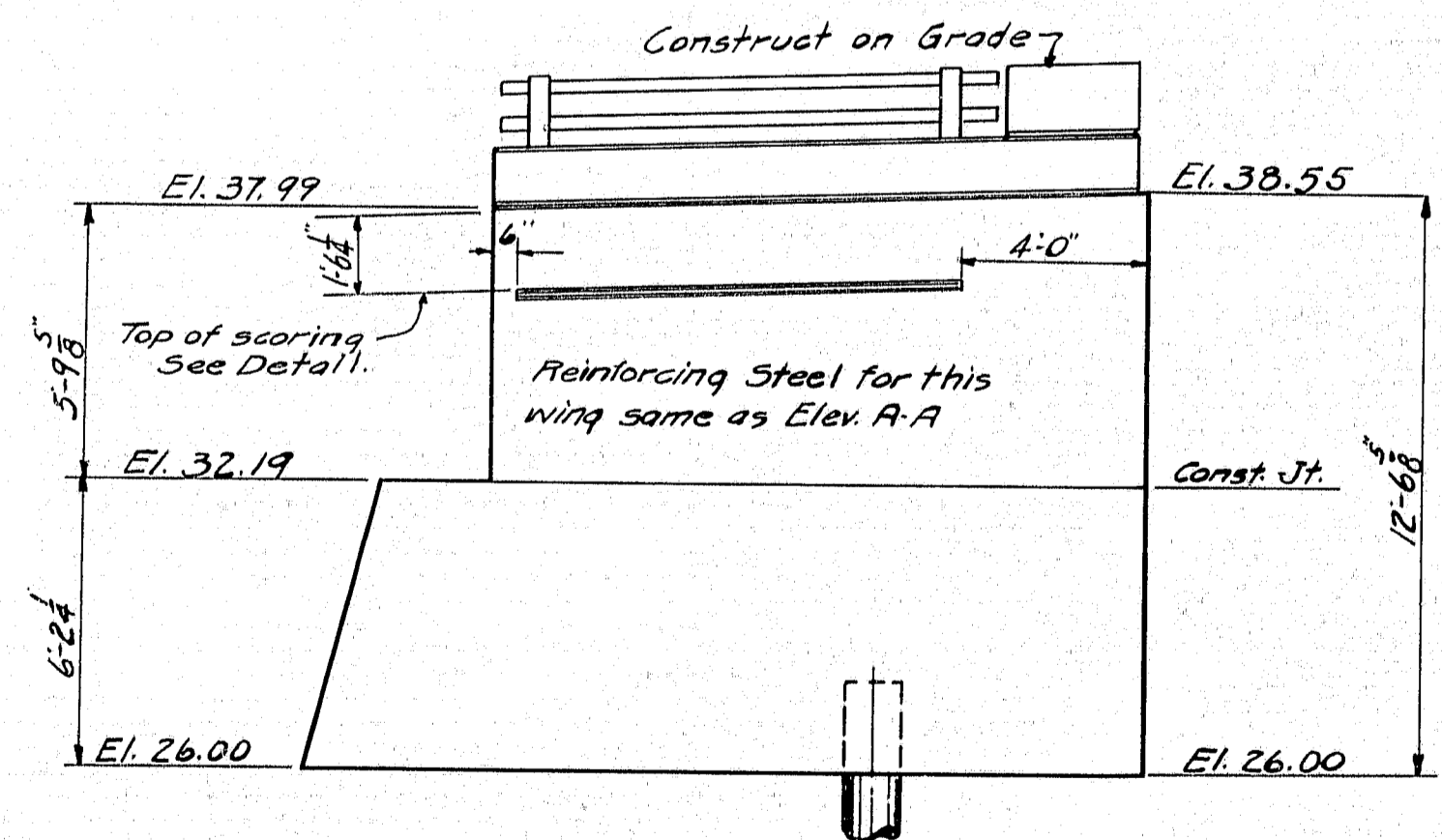
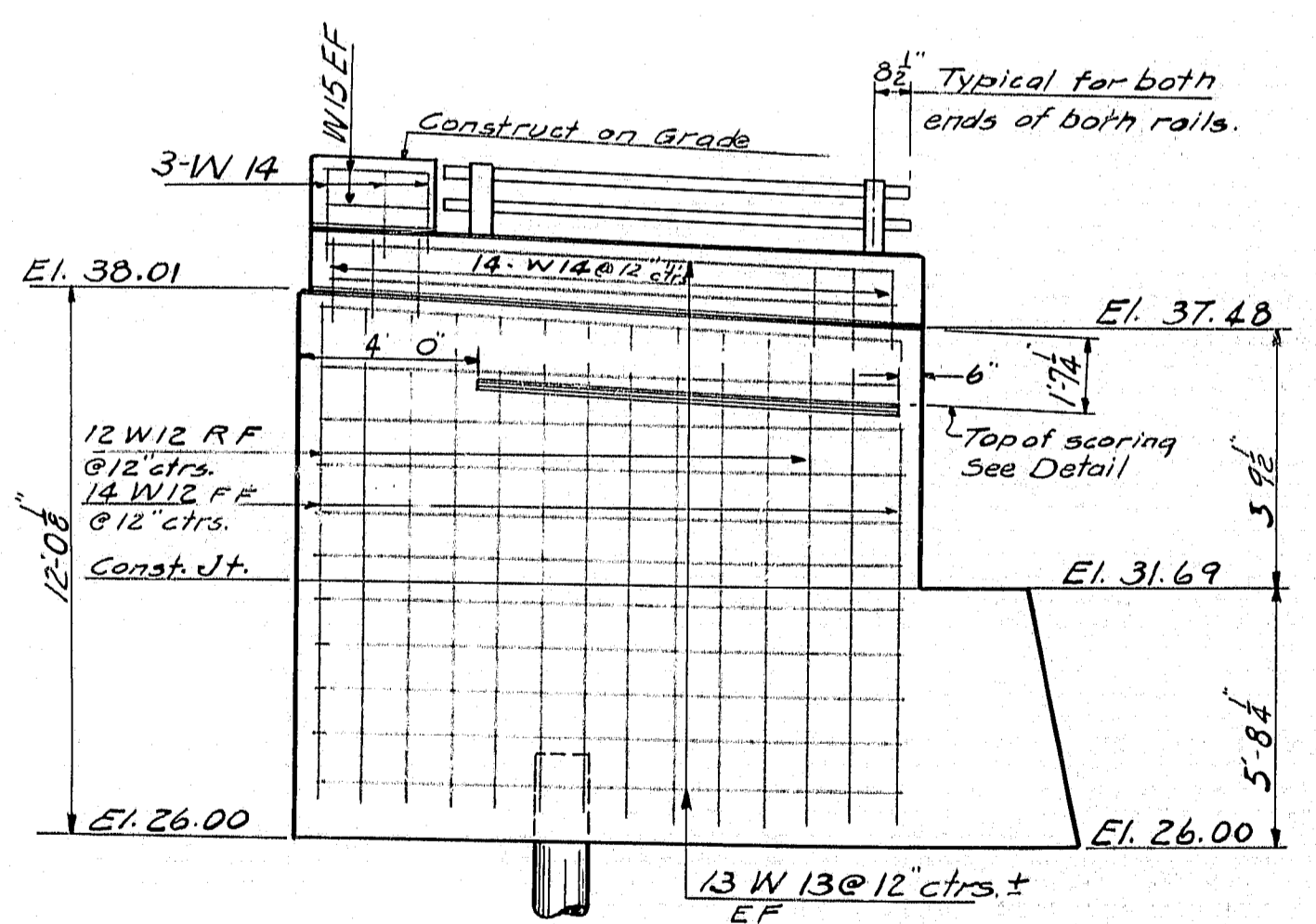


PILE & REINFORCING STEEL LAYOUT ABUT. #1
Rotate 180° For Abut. #2.

12" Cast in Place Concrete Piles
Abut #1 16-Piles Est. Length = 25'
Abut #2 16-Piles Est. Length = 45'
Allowable Pile load = 24 Tons
Piles shown thus O → to be battered 2 1/2" per foot in the direction shown by arrow.



Note:
Dress shaded area 1" larger all around than size of masonry plate to exact elevation shown.
All chamfers to be 1/2" and V-grooves to be 1".
Place reinforcing steel in bridge seat to clear anchor bolts.
W-16 Bars to be placed at 1'-6" centers vertically 6" from rear form at intersection of wing and breast wall.
Wing steel to be at 1'-0" centers vertically and horizontally and to have 3" cover.
See Sheet #120 for aluminum rail details.
Backfill to be granular borrow.



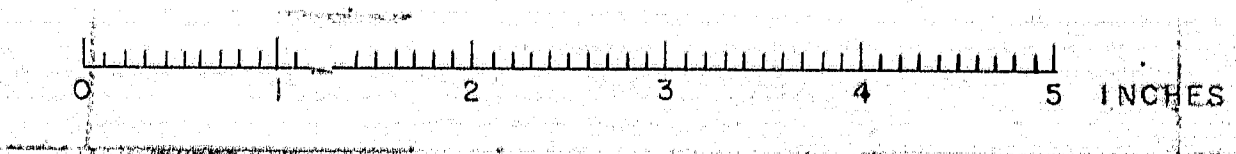
DESIGN - HAMILTON DET. CSA
TRACE - JONES
CHECK - HILL

BRIDGE NO. SURVEY - PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

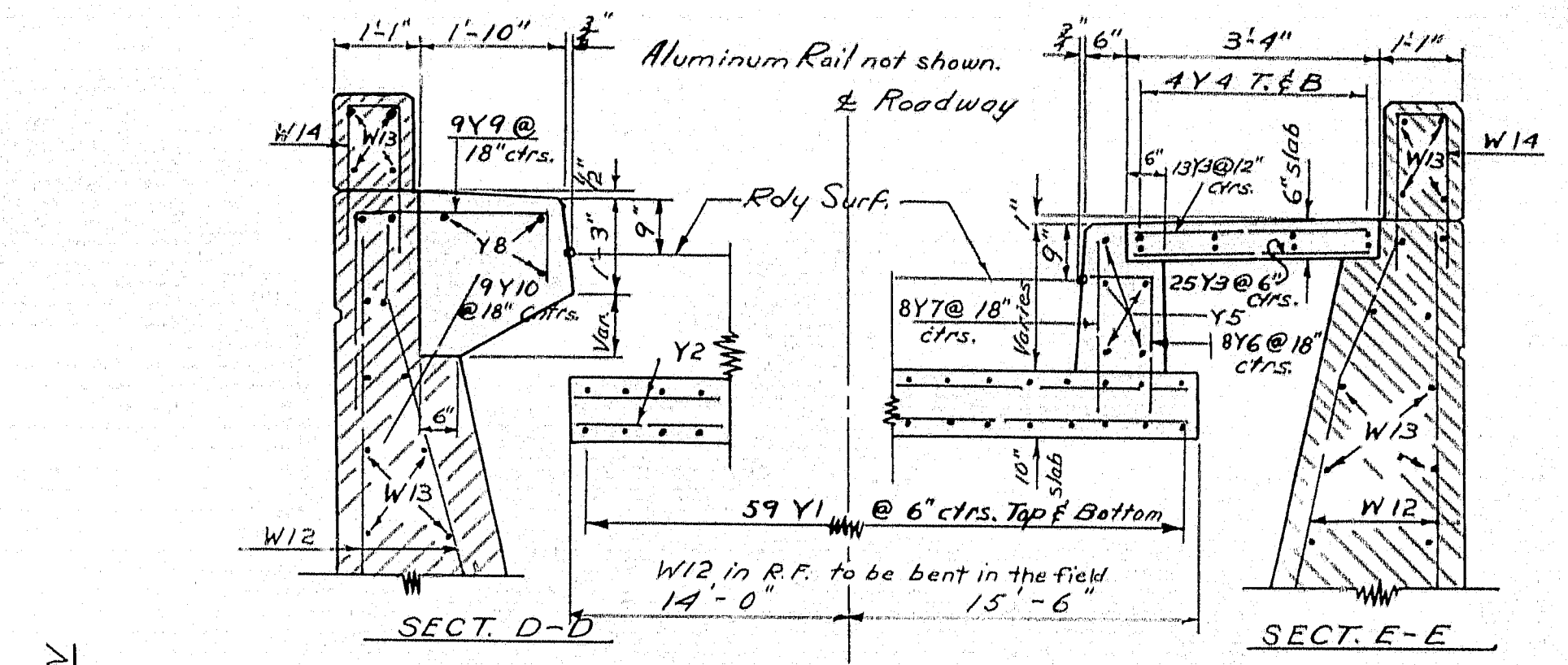
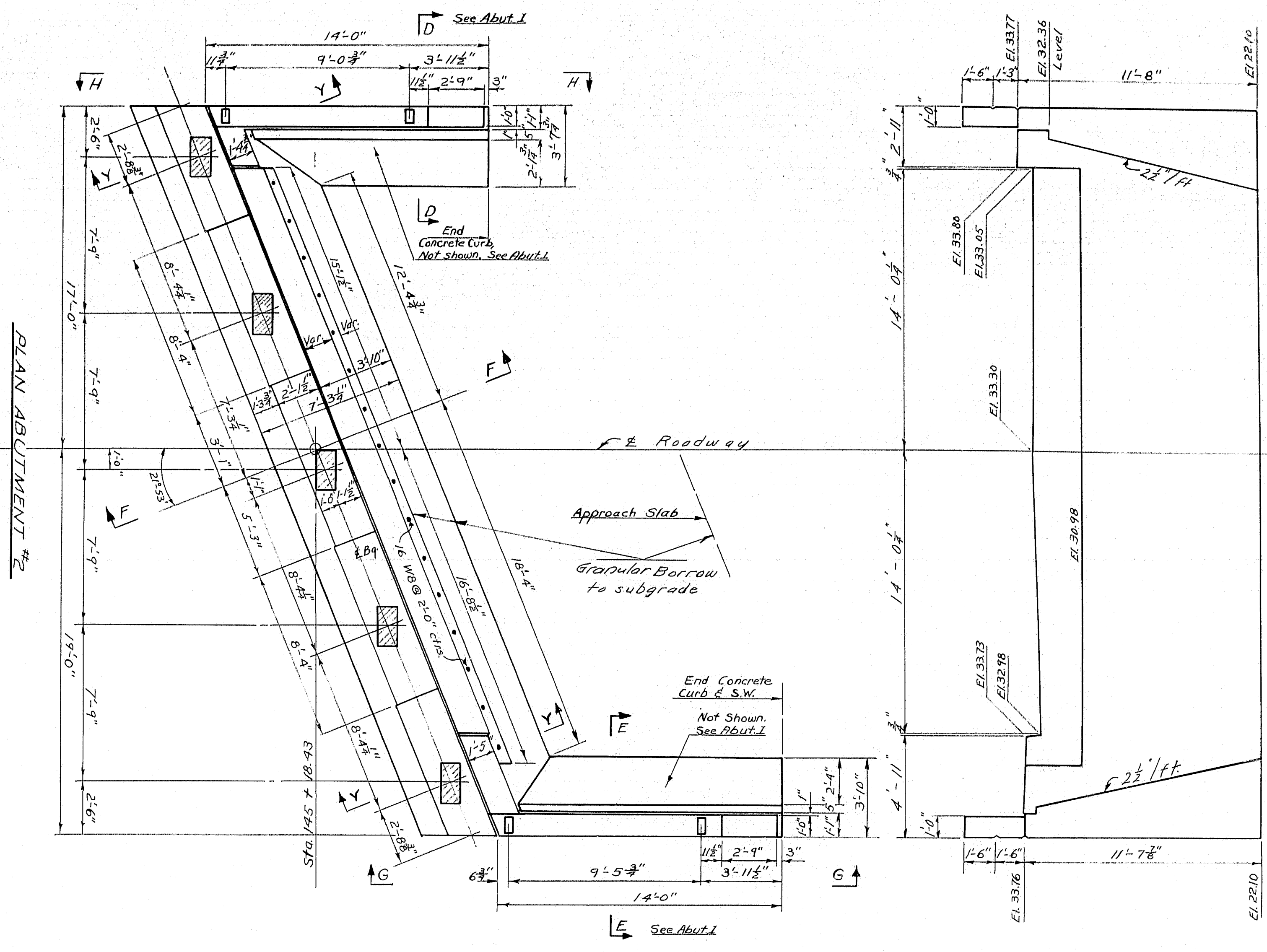
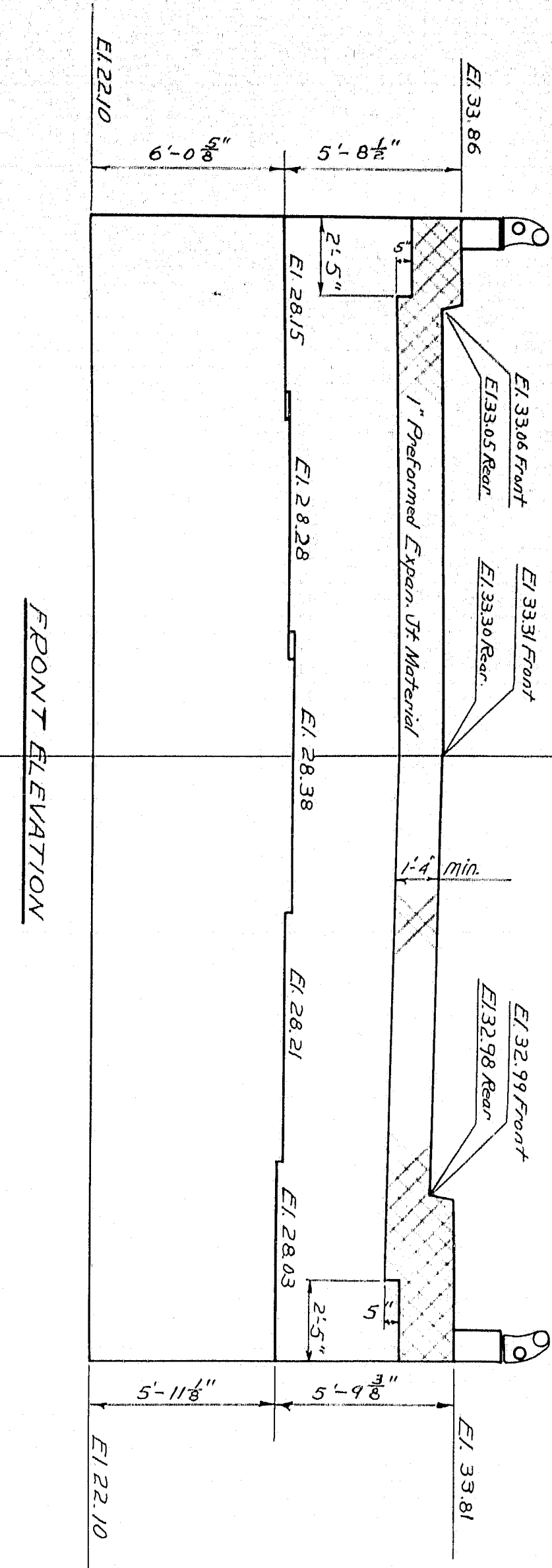
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND COUNTY
OVERPASS NO. 2
ABUTMENT NO. 1

SHEET 104 of 166 AUGUSTA, MAINE OCT. 1957

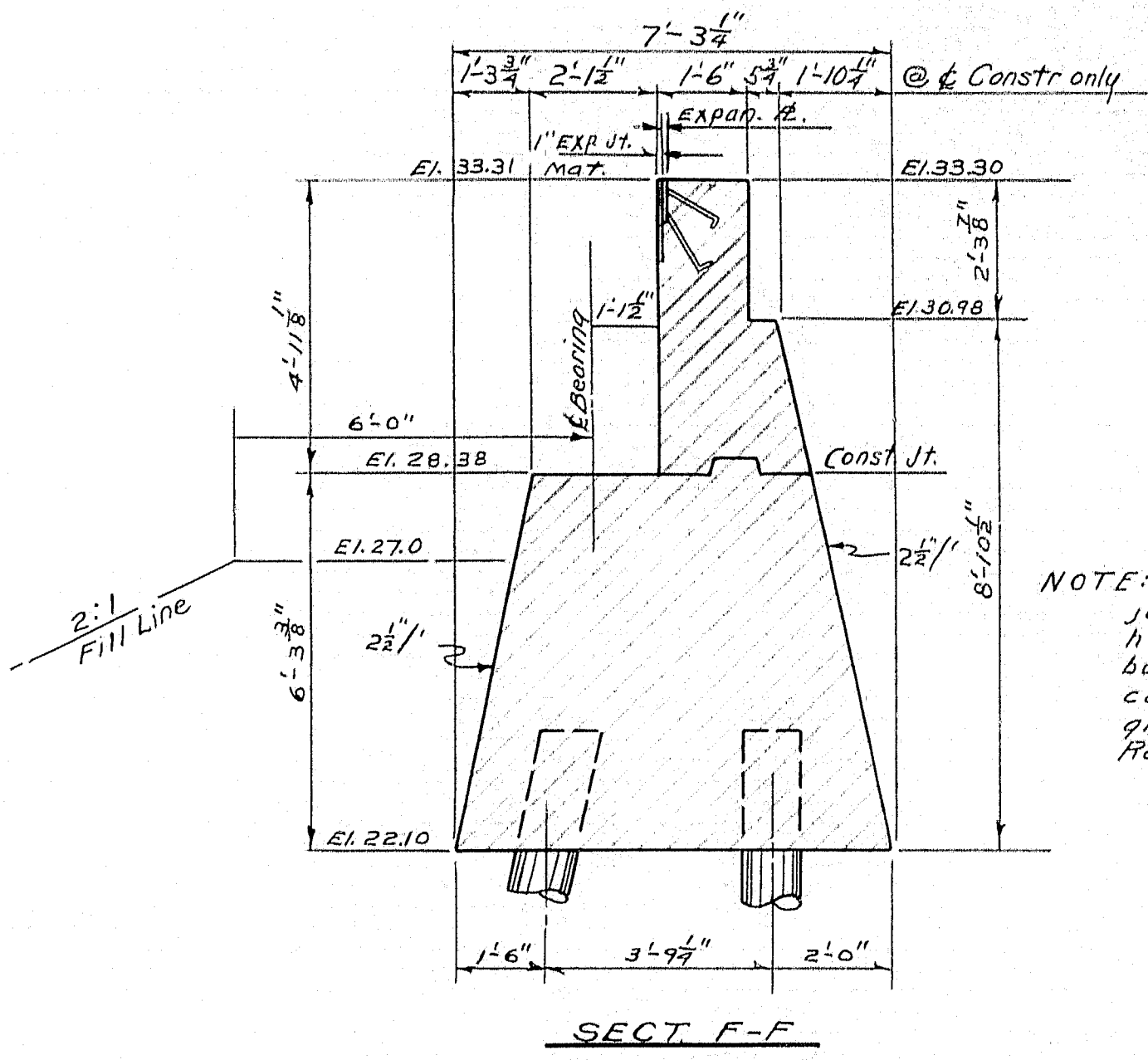


S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-1447	105	166

1-198-3443 50

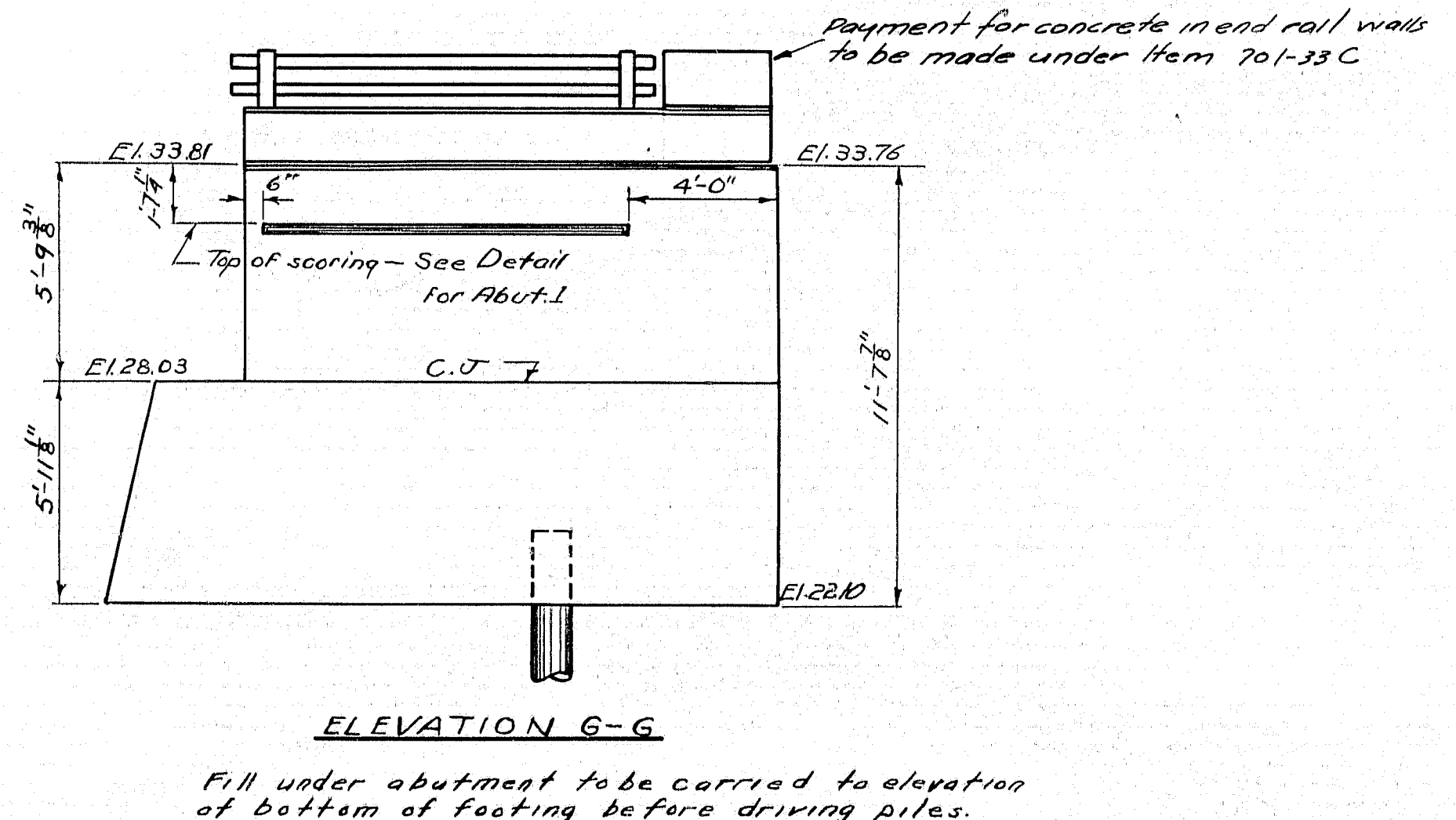
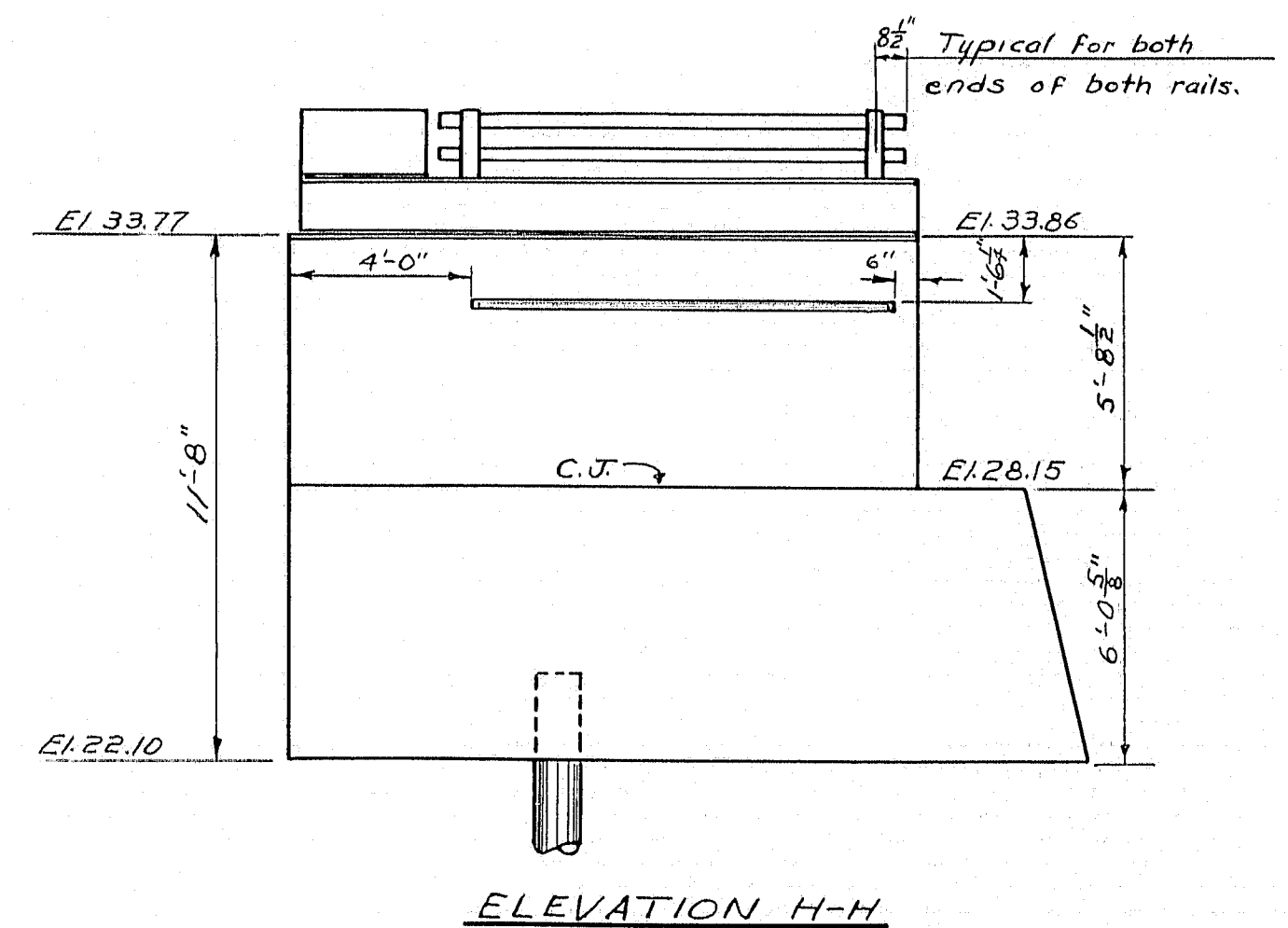


Payment for concrete in Approach Slabs, sidewalk slab and sidewalk curb to be made under Item 701-40

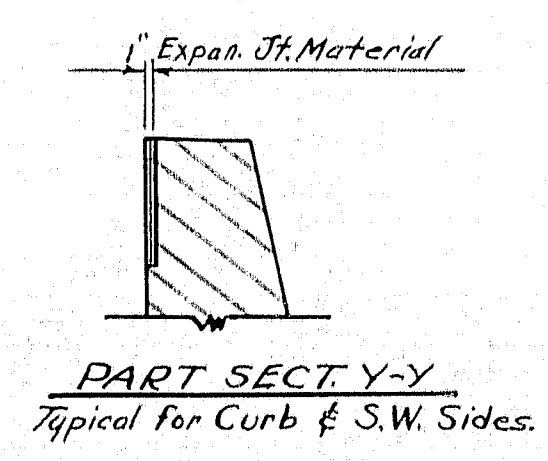


NOTE: Cover back of construction joints with 2 layers of heavy roofing 10" wide banded together and to concrete with a suitable grade of roofing cement. Recess area to be covered 3"

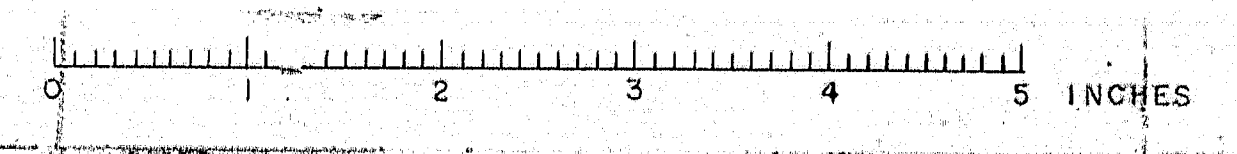
Note: Details not shown are the same as for Abut. 1. All reinforcing steel for Abut. 2, is the same as for Abut. 1.



Fill under abutment to be carried to elevation of bottom of footing before driving piles.

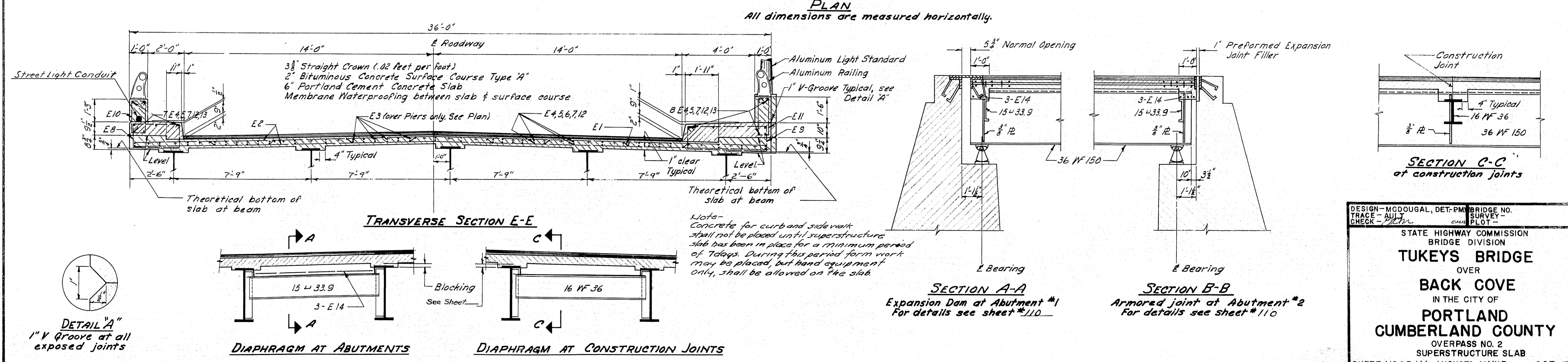
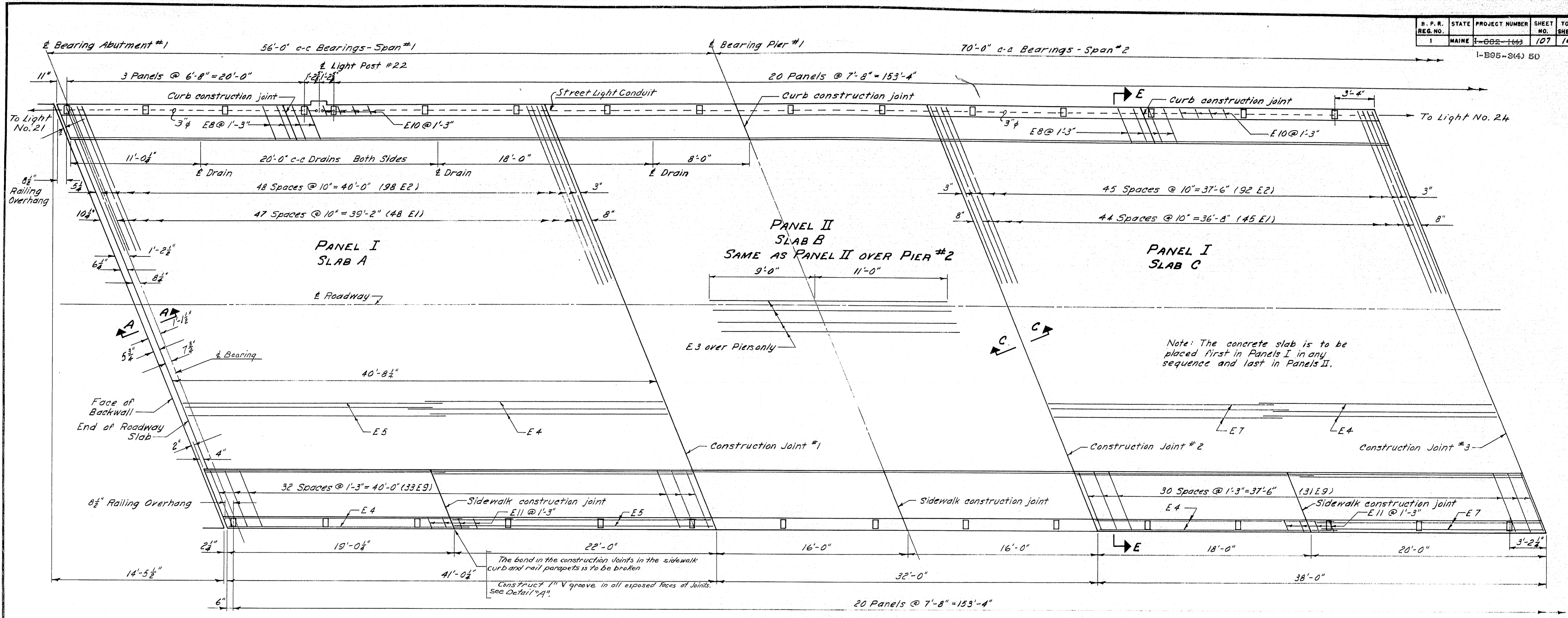


DESIGN - HAMILTON TRACE - GARDNER, DET. - C.S.A. CHECK - M.C.E.	BRIDGE NO. SURVEY - PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER BACK COVE	
IN THE CITY OF PORTLAND	
CUMBERLAND COUNTY	
OVERPASS NO. 2 ABUTMENT NO. 2	
SHEET 105 OF 166 AUGUSTA, MAINE OCT. 1957	



R. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-002-1483	107	166

1-B95-3(4) 50



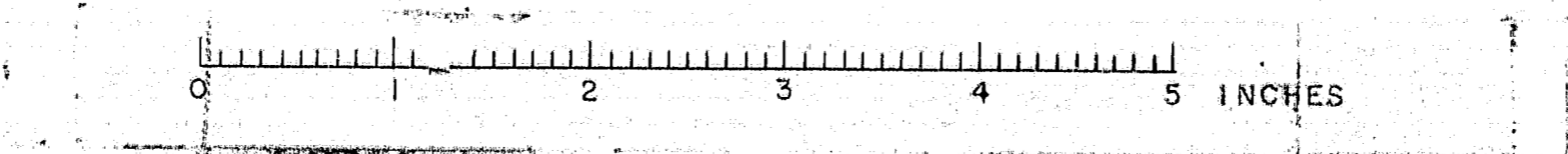
DESIGN - MCDUGAL, DET. PM
TRACE - ALL
CHECK - [Signature]

BRIDGE NO. SURVEY PLOT

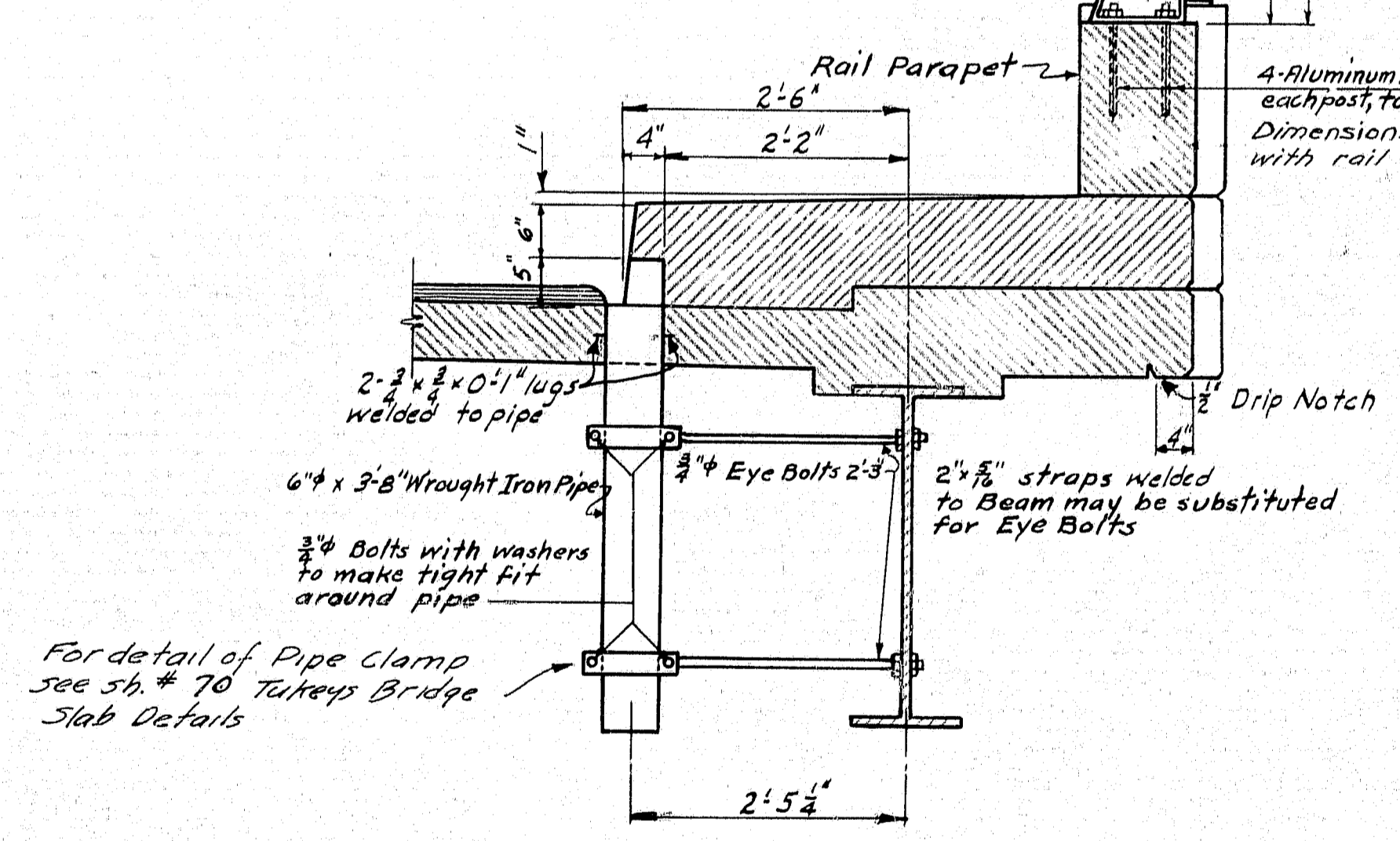
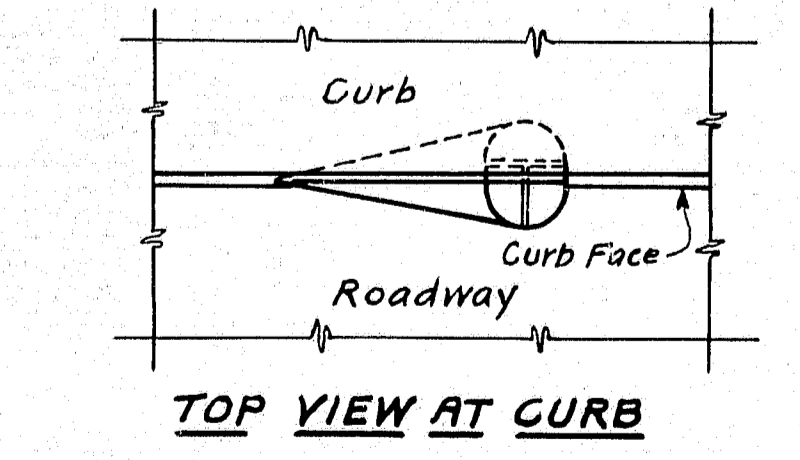
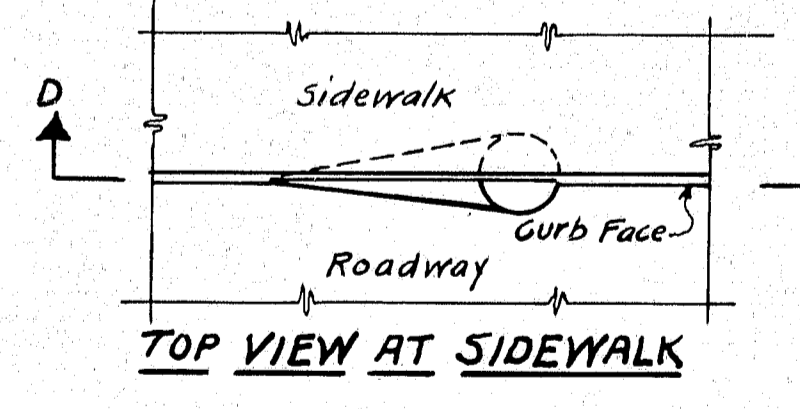
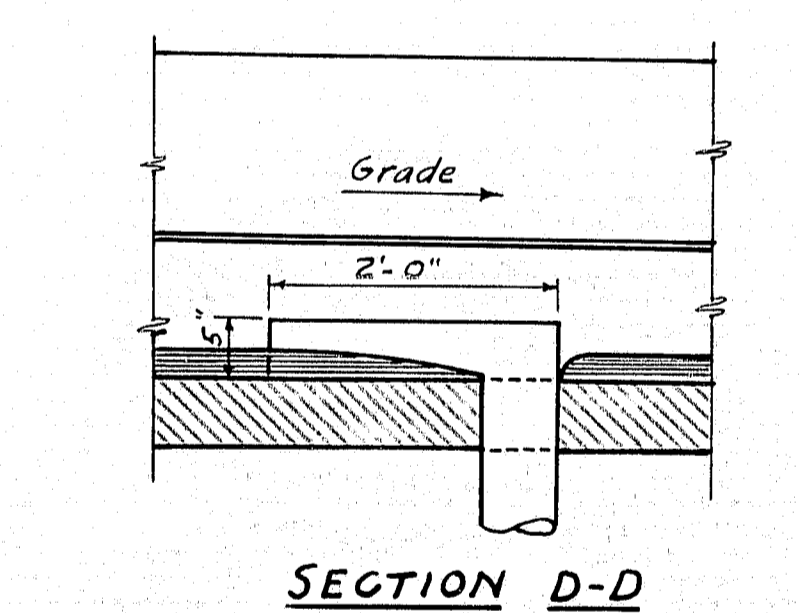
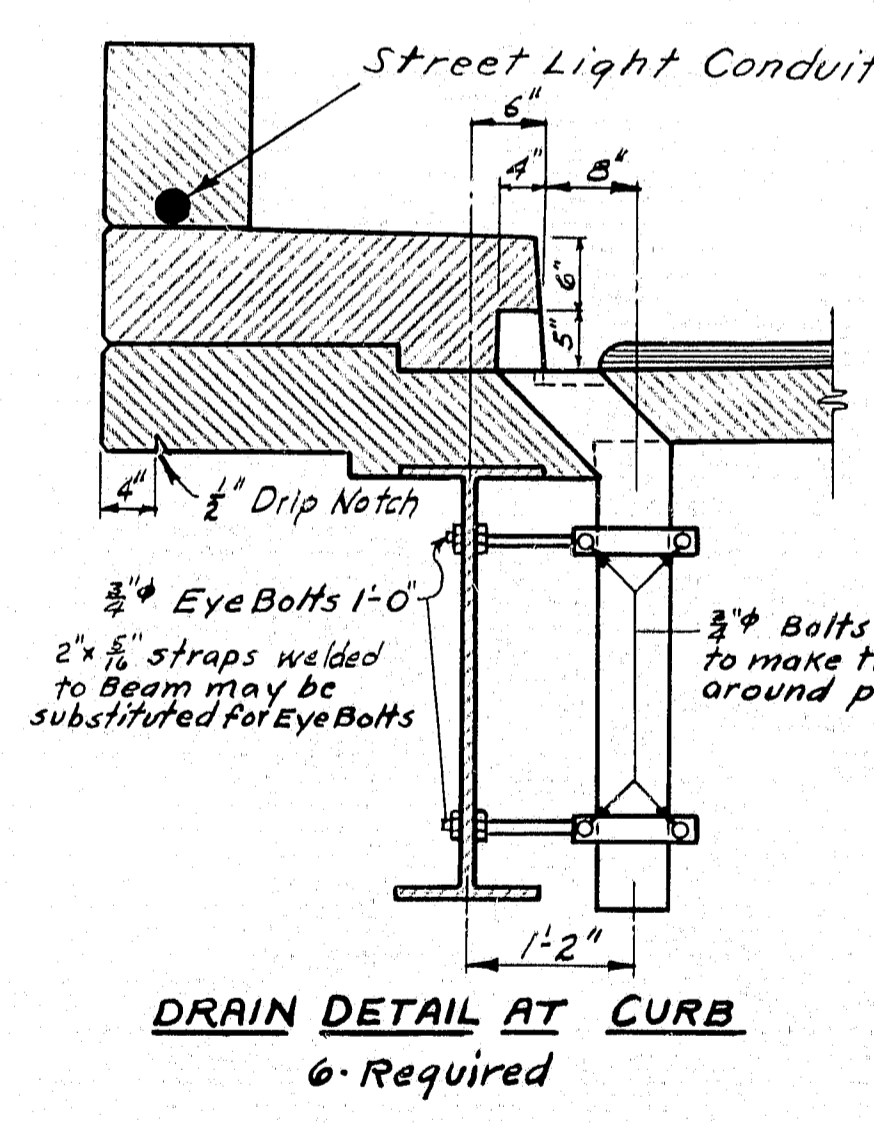
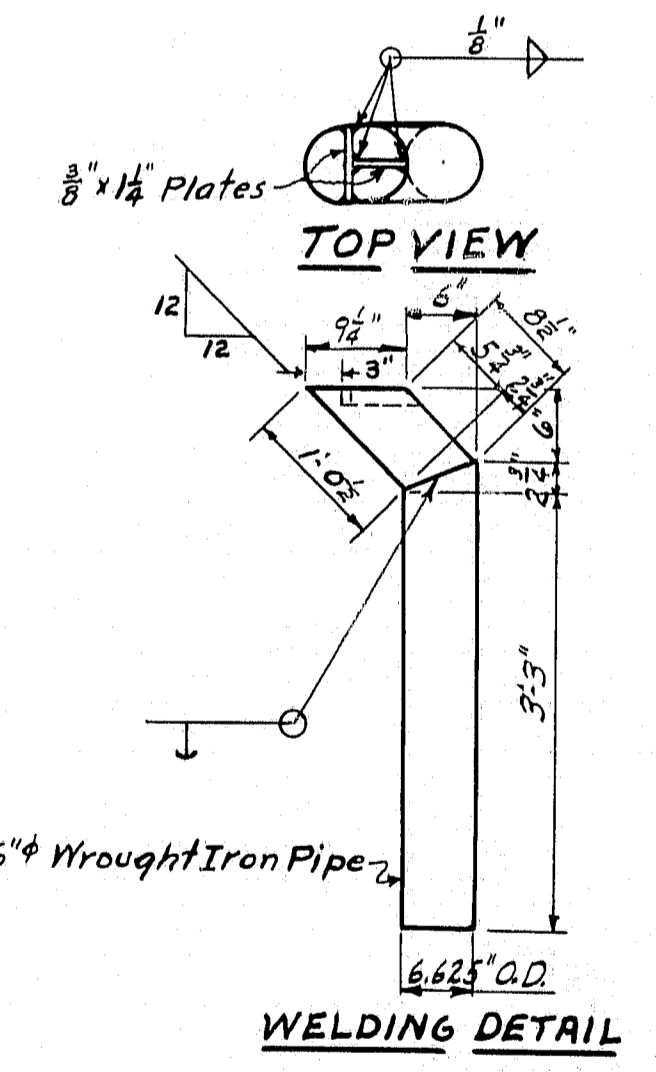
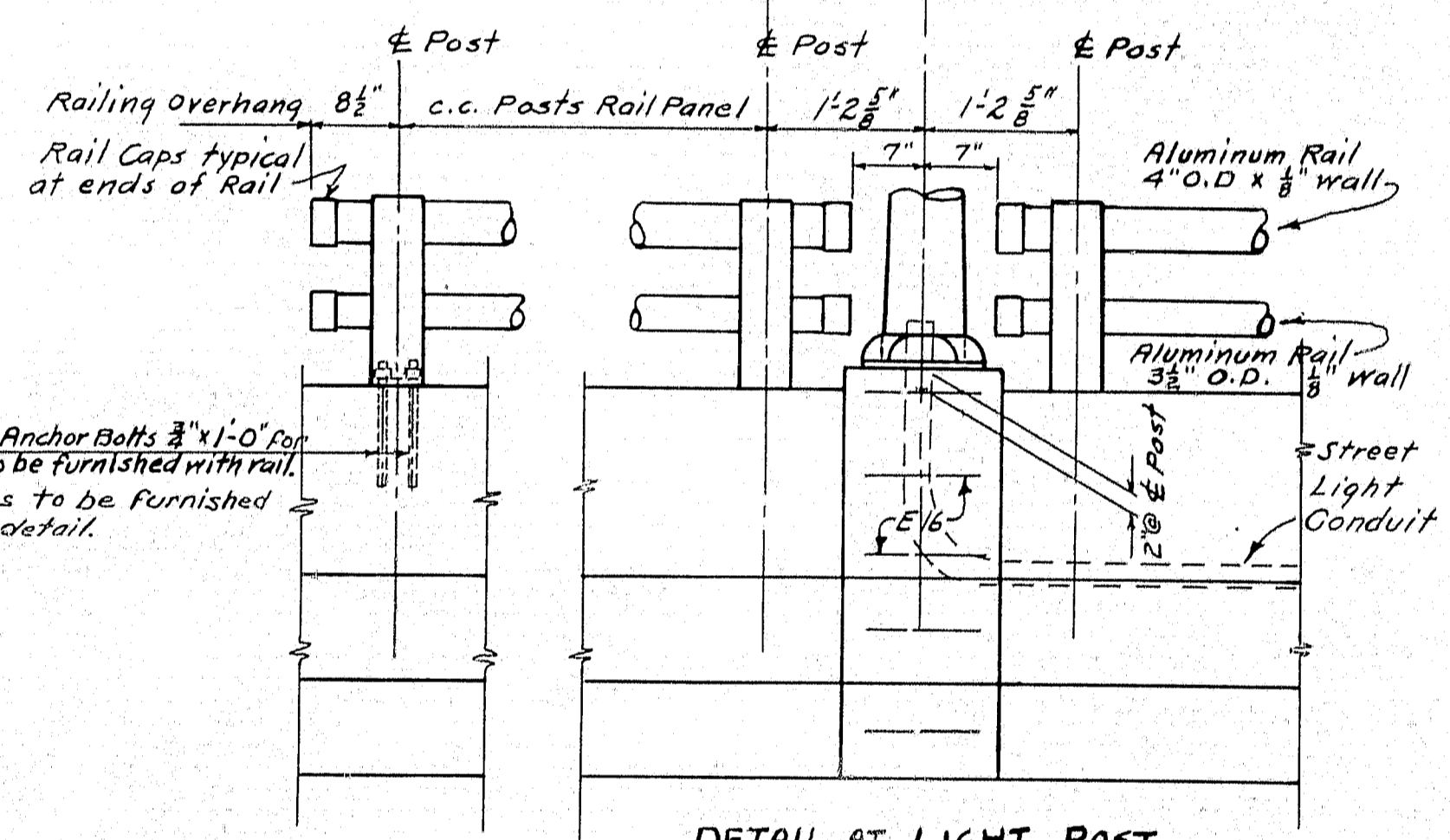
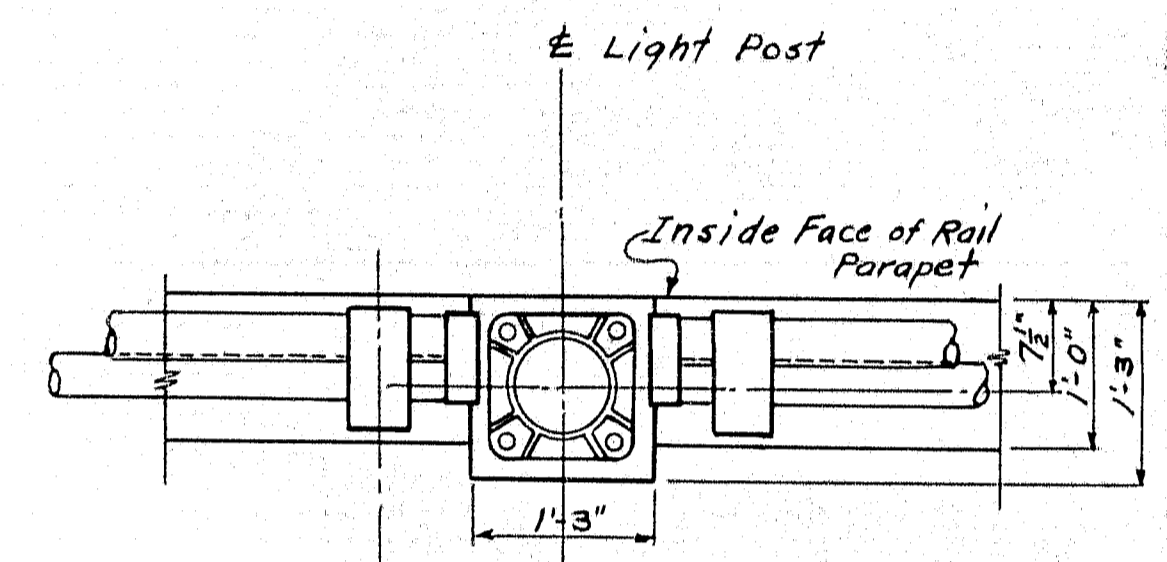
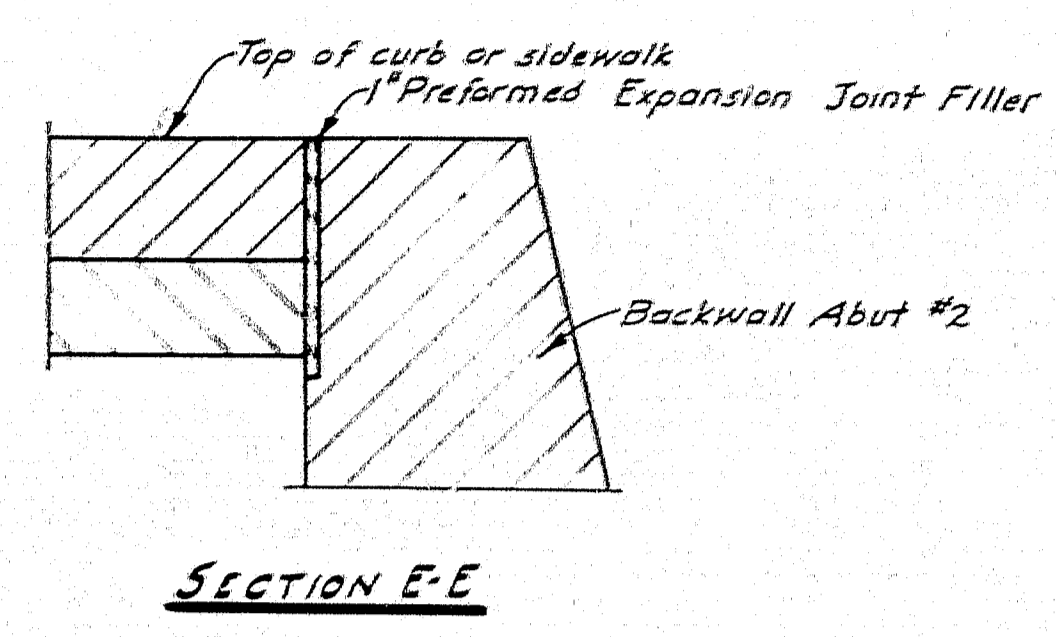
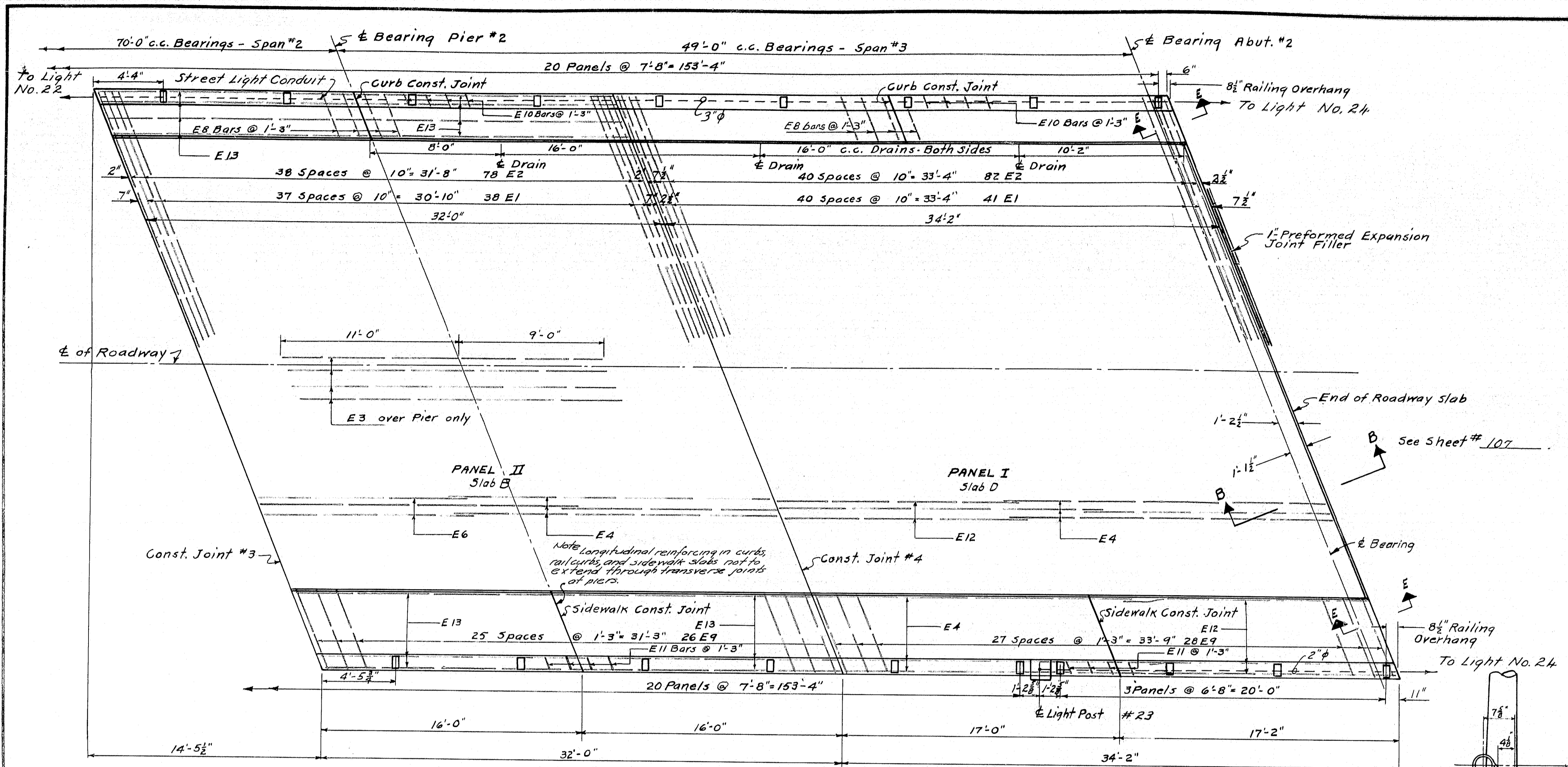
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
OVERPASS NO. 2
SUPERSTRUCTURE SLAB

SHEET 107 OF 166 AUGUSTA, MAINE OCT. 1957



S.P.#	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	100-103	108	166



NOTE: Furnishing and Erection of Wrought Iron Pipe Drains to be paid for as Structural Steel under Items 702-103 D & 702-104 D

ALUMINUM RAIL TYPICAL DETAILS

Rail dimensions shown are typical except as shown elsewhere. All rail dimensions shown on these plans are horizontal. Rails to be made parallel to grade. Substitutions may be provided they are approved by the Engineer.

For further details of aluminum rail and posts see sh. # 120

DESIGN - McDUGGAL-WENTZEL BRIDGE NO. _____

TRACE - WELCH SURVEY PLOT - _____

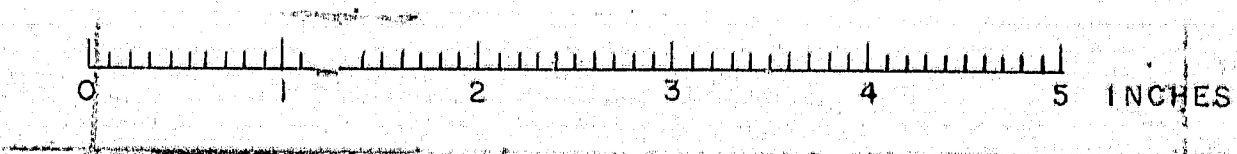
CHECK - BROWN CMH

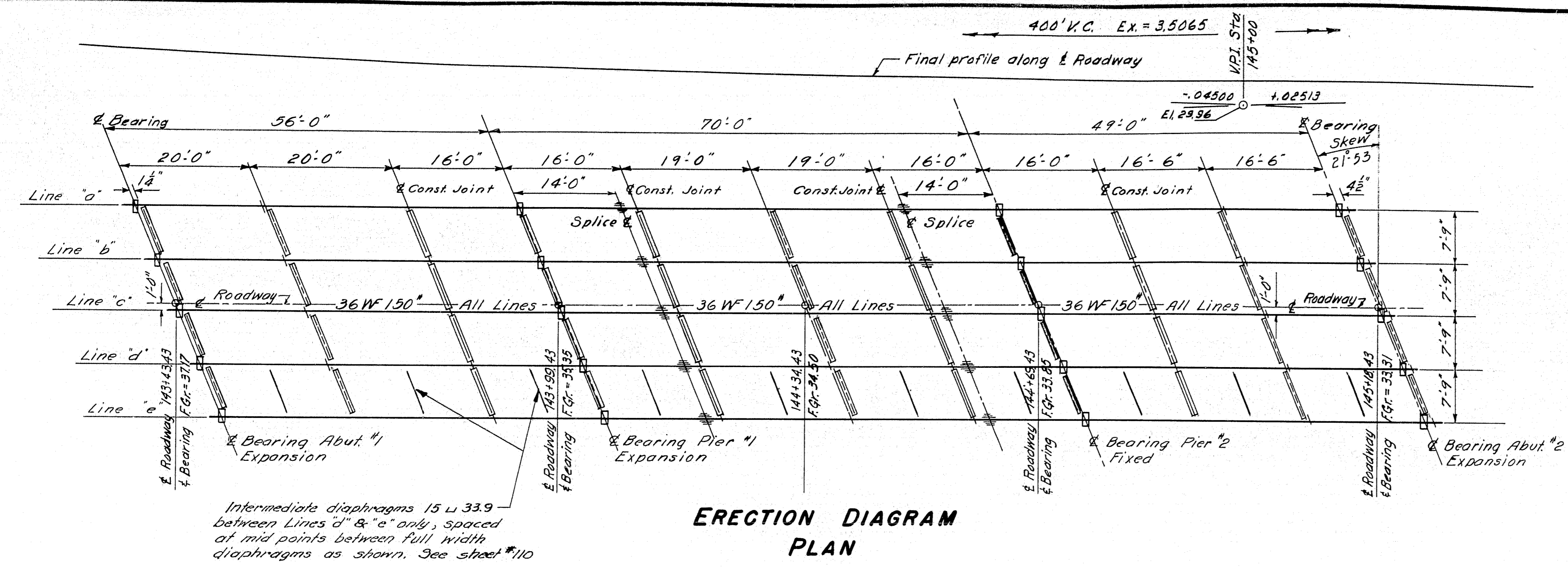
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY

OVERPASS NO. 2
SUPERSTRUCTURE SLAB

SHEET 108 OF 166 AUGUSTA, MAINE OCT. 1957



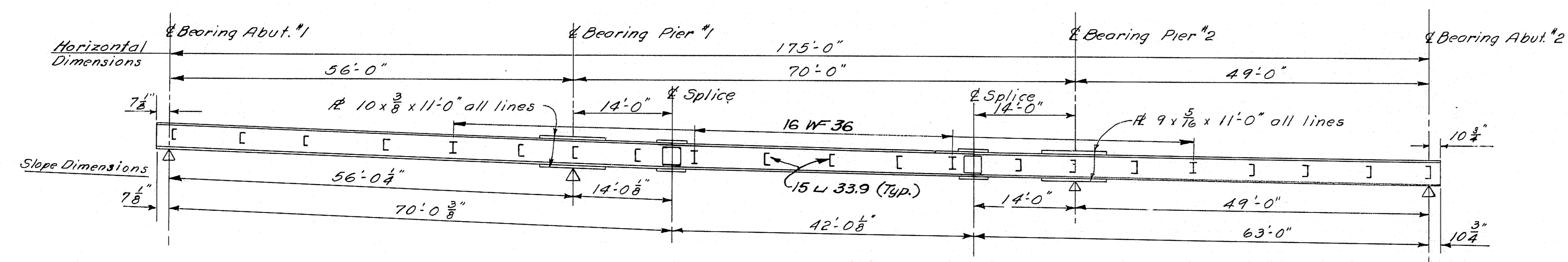


SPECIFICATIONS
 Design & Detail: A.A.S.H.O. 1953.
 Fabrication & Erection: State of Maine, State Highway Comm., Standard Specifications, 1956.
 Loading: H20-516-44. As modified for Interstate Highways.
 Field Connections:
 1/2" holes unless otherwise indicated.
 7/8" rivets or high tensile bolts.
 Materials: Girders and Coverplates to be Structural weldable steel, A.S.T.M. Designation A373.

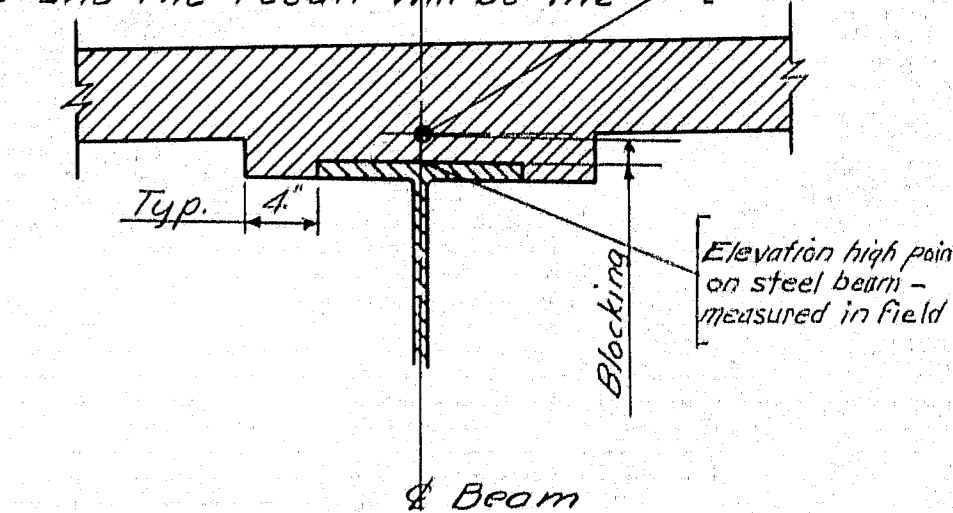
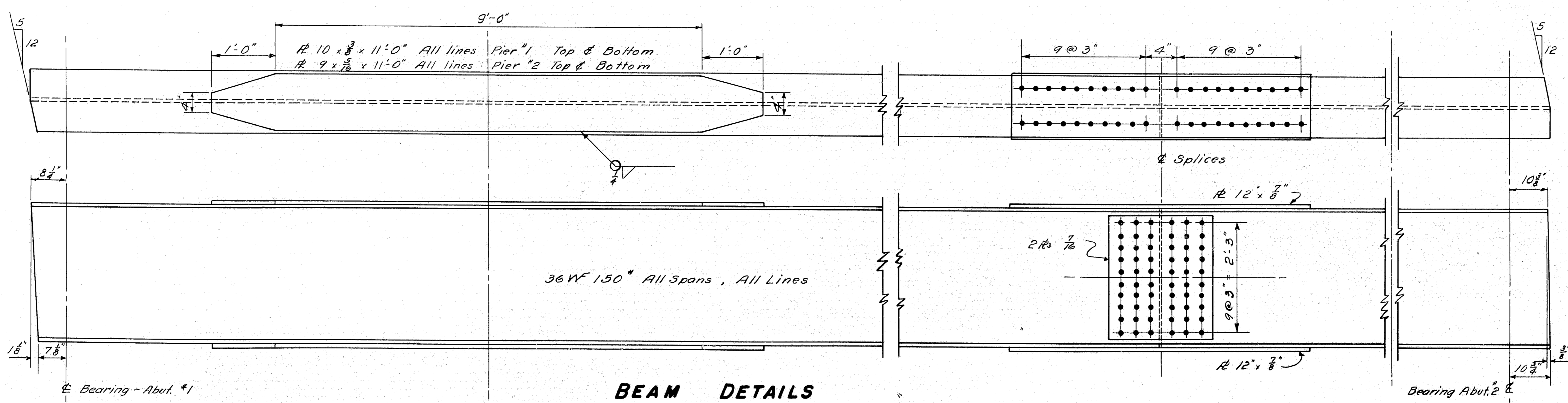
ELEV. TO BOTTOM OF ROADWAY SLAB

Point	Dist. from Bearing Abut. #1	Line 'a'	Line 'b'	Line 'c'	Line 'd'	Line 'e'
0'		36.43	36.47	36.47	36.20	35.93
7'		36.17	36.21	36.22	35.95	35.69
14'		35.93	35.97	35.98	35.72	35.46
21'		35.69	35.73	35.75	35.48	35.23
28'		35.46	35.50	35.52	35.26	35.01
35'		35.21	35.26	35.28	35.04	34.78
42'		34.99	35.04	35.07	34.81	34.57
49'		34.76	34.82	34.85	34.60	34.36
56'		34.56	34.62	34.65	34.41	34.18
63'		34.37	34.43	34.47	34.23	34.00
70'		34.20	34.26	34.31	34.06	33.84
77'		34.02	34.09	34.14	33.91	33.69
84'		33.87	33.94	33.99	33.76	33.55
91'		33.70	33.78	33.83	33.61	33.39
98'		33.55	33.64	33.69	33.47	33.26
105'		33.39	33.48	33.54	33.32	33.12
112'		33.25	33.34	33.41	33.19	32.99
119'		33.11	33.21	33.27	33.06	32.87
126'		32.99	33.09	33.16	32.95	32.76
133'		32.87	32.98	33.05	32.85	32.66
140'		32.78	32.88	32.96	32.76	32.58
147'		32.69	32.80	32.88	32.69	32.50
154'		32.61	32.72	32.81	32.62	32.44
161'		32.53	32.65	32.72	32.55	32.38
168'		32.46	32.58	32.67	32.49	32.32
175'		32.39	32.52	32.62	32.45	32.27

Elevations taken at E of Beam



NOTE: In order to compensate for the vertical curve, dead load deflection and any irregularities in the rolling of the steel, elevations will be taken at the above points after the erection of the steel but before any forms have been constructed. These elevations will be subtracted from the elevations given in the table and the result will be the blocking. See Blocking Detail.



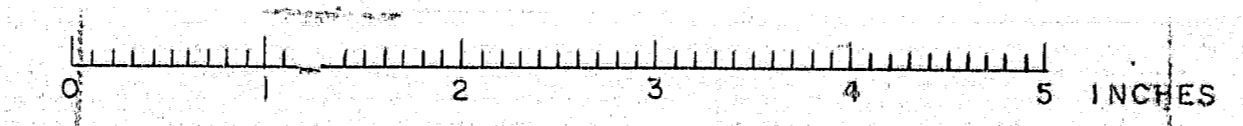
BLOCKING DETAIL

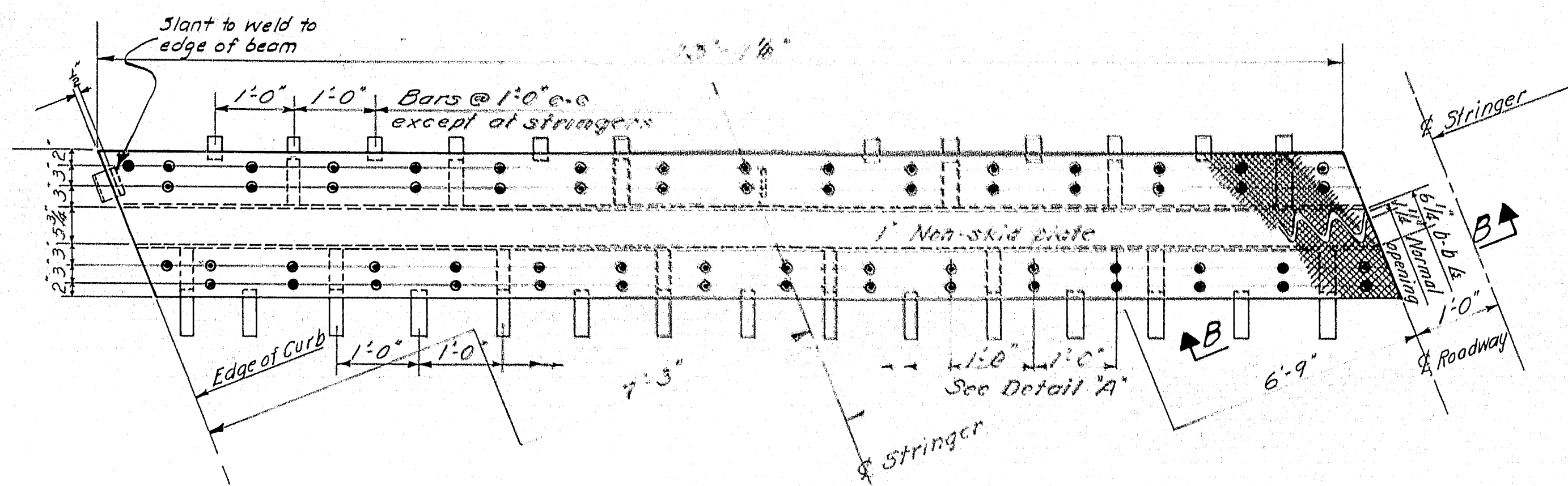
Blocking is measured from the top of the cover plate or beam which ever the case may be. Blocking for all beams is:
 @ Bearing Abuts 1 1/2" - 2"
 @ Bearing Pier 1 - 1 1/2"
 @ Bearing Pier 2 - 1 1/2"

DESIGN - MCDUGAL	BRIDGE NO.
TRACE - SAVAGE	SURVEY PLOT
CHECK -	

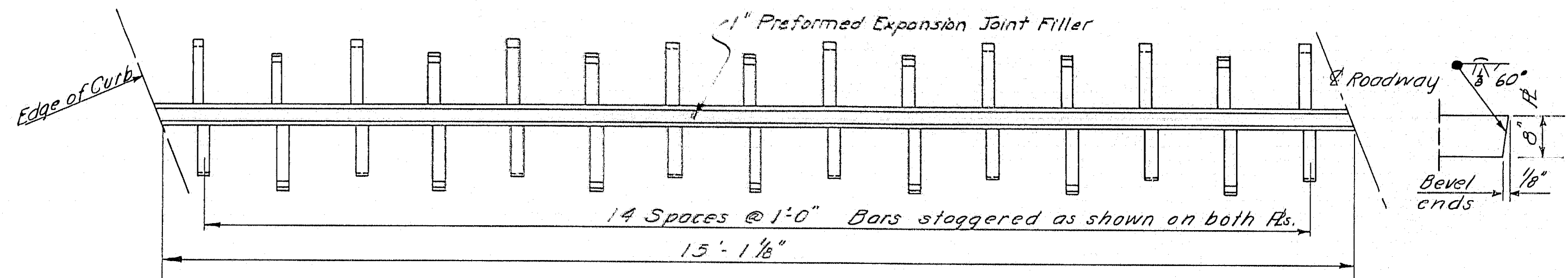
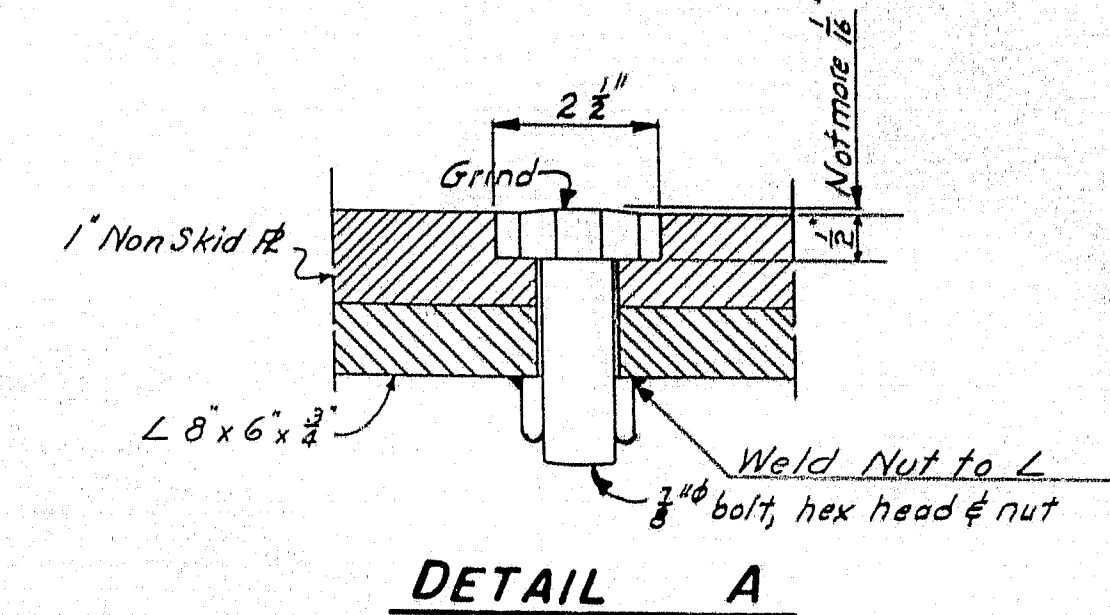
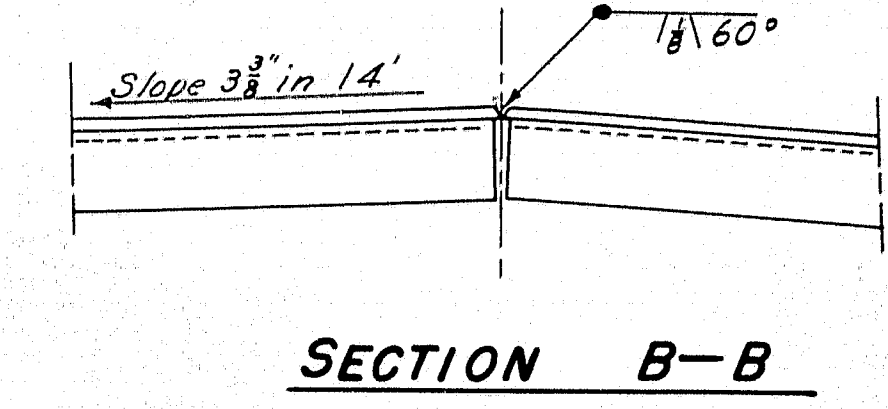
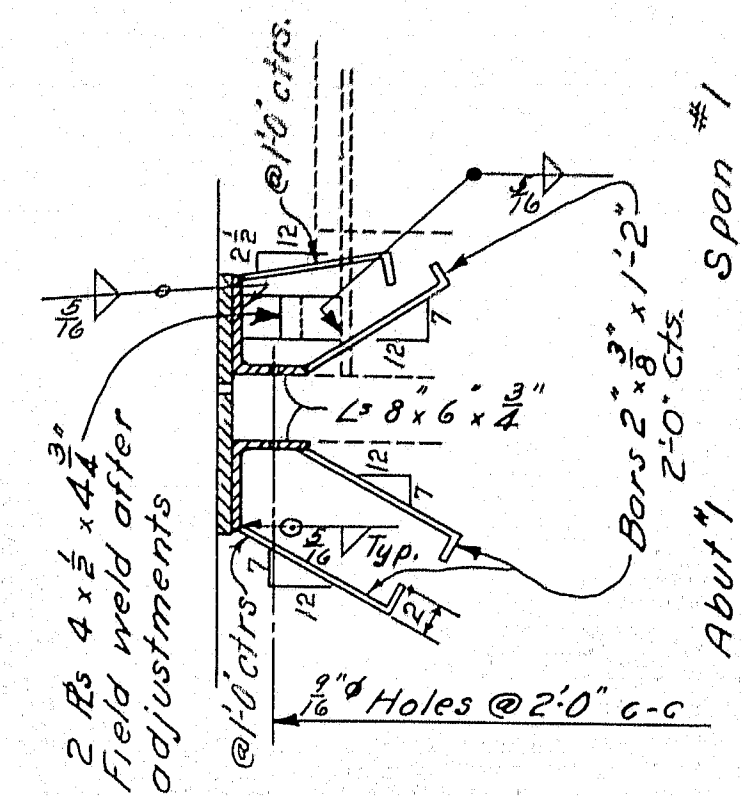
STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
 OVERPASS NO. 2
 STRUCTURAL STEEL
 SHEET 109 OF 166 AUGUSTA, MAINE OCT. 1957.

Revised 6/14/58 Loading changed from H20-516-44 to H20-516-44 As modified for Interstate Highways

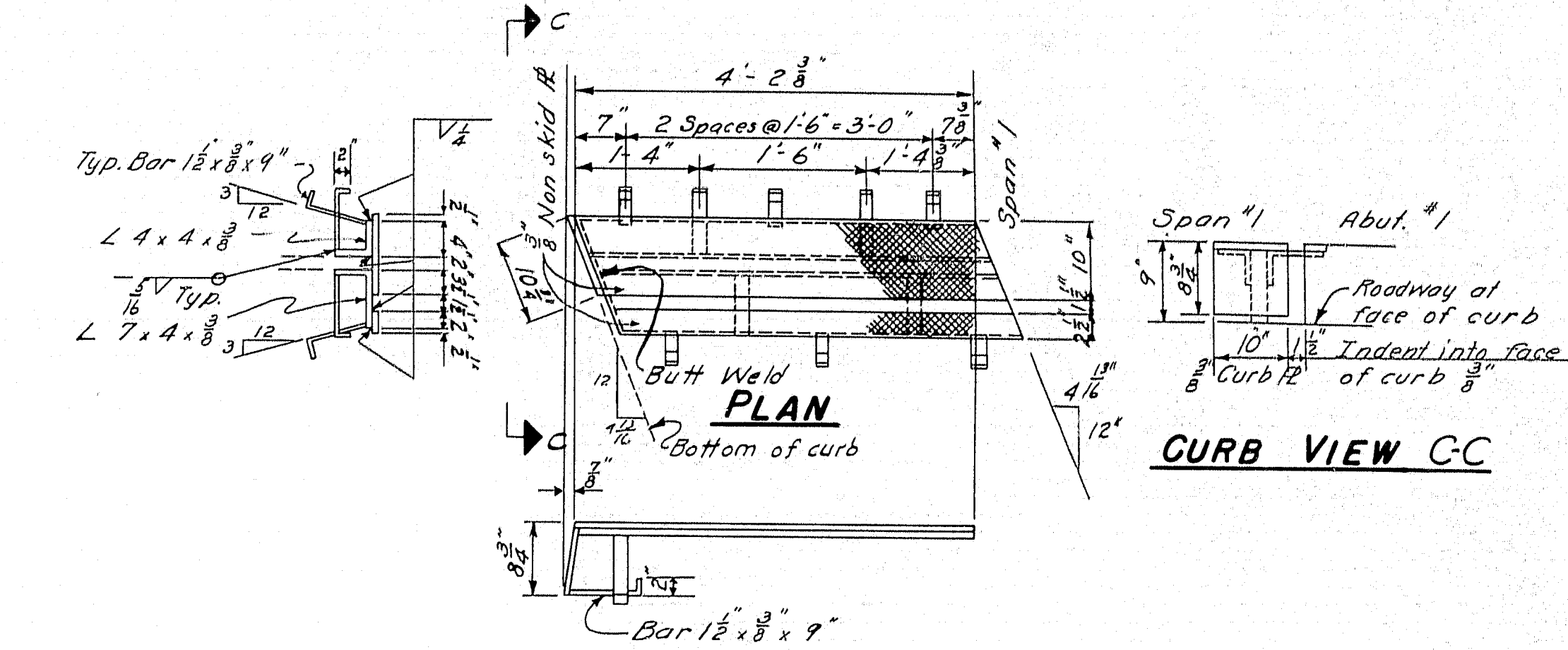
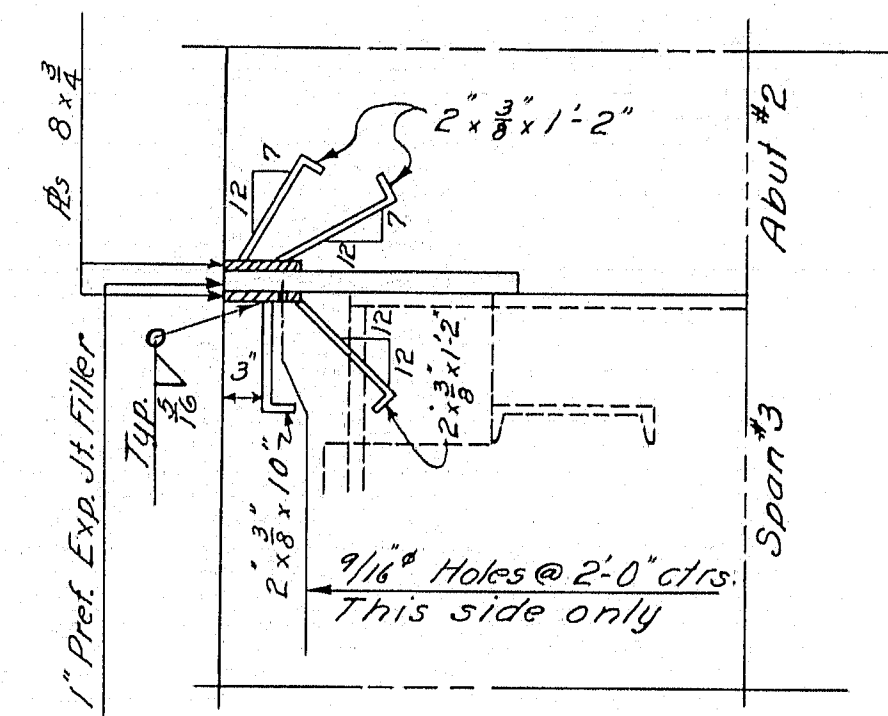




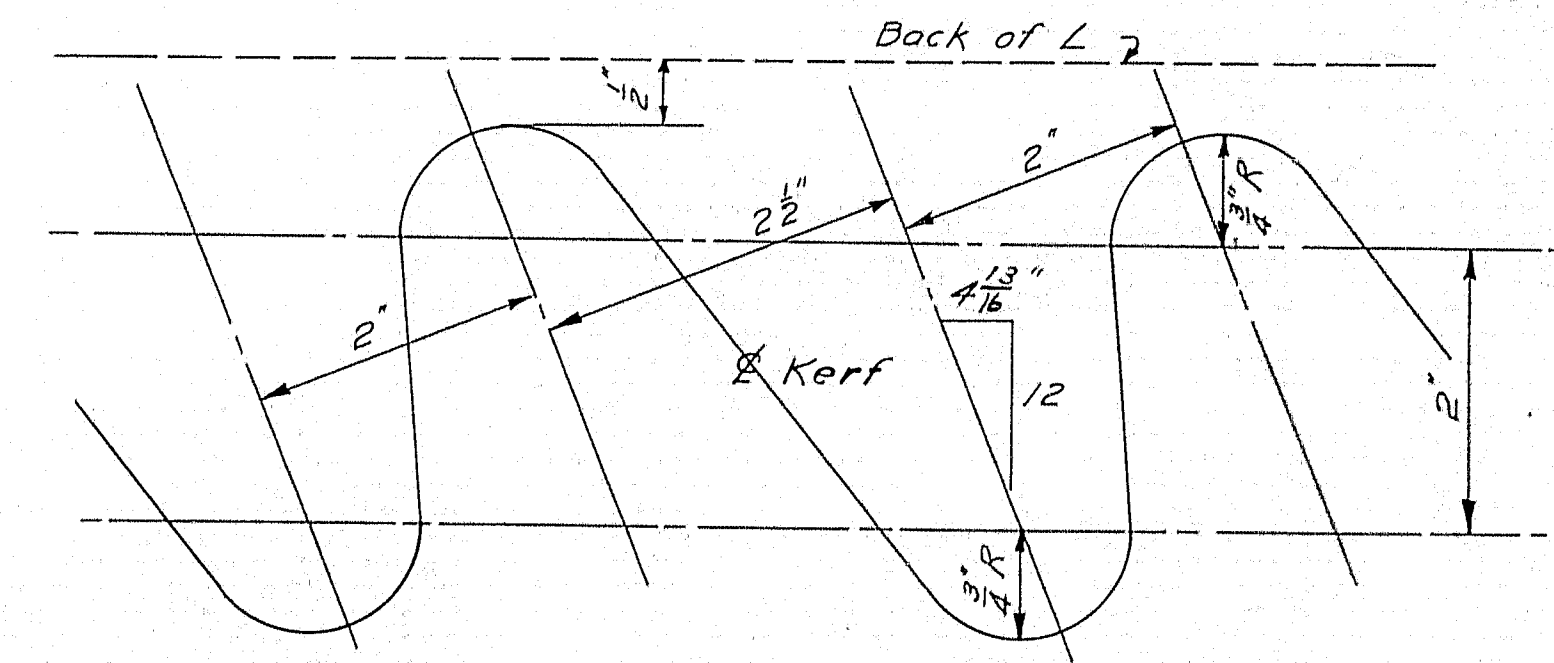
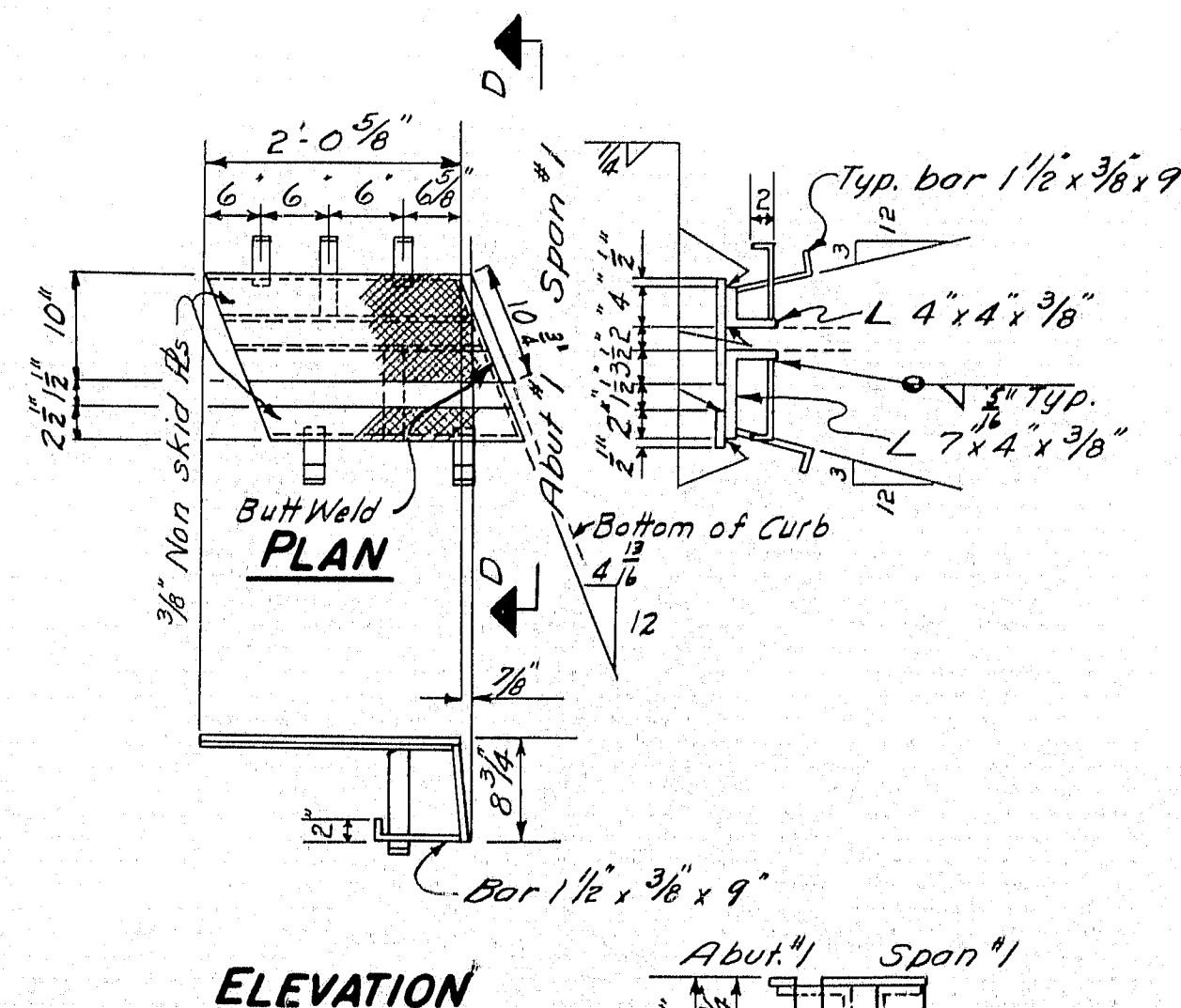
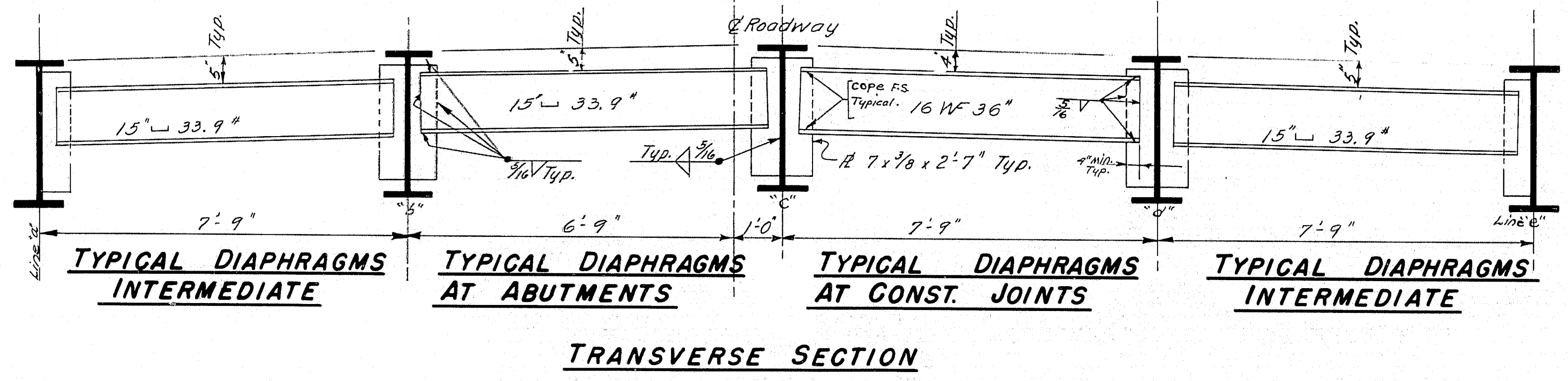
HALF PLAN ROADWAY EXPANSION PLATE ABUT. NO. 1
Opposite Half Similar



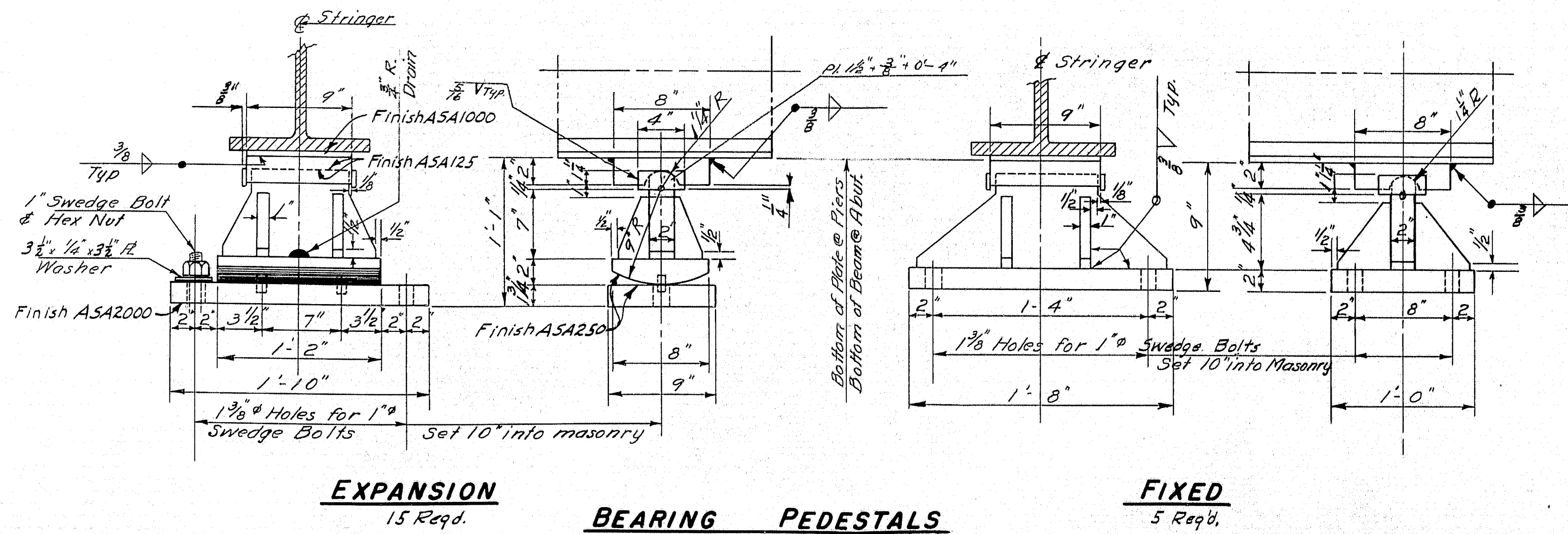
HALF PLAN ROADWAY ARMORED JOINT ABUT. NO. 2
Opposite Half Similar



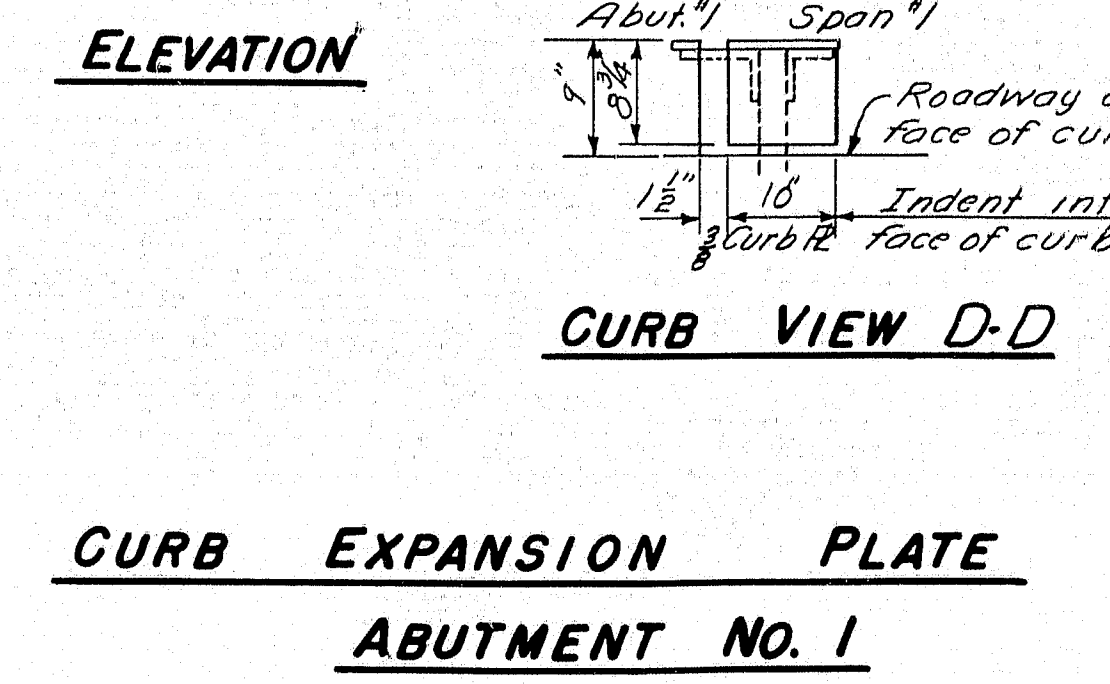
ELEVATION
SIDEWALK EXPANSION PLATE ABUT. NO. 1



CUTTING DIAGRAM



EXPANSION 15 Reqd.
BEARING PEDESTALS
FIXED 5 Reqd.

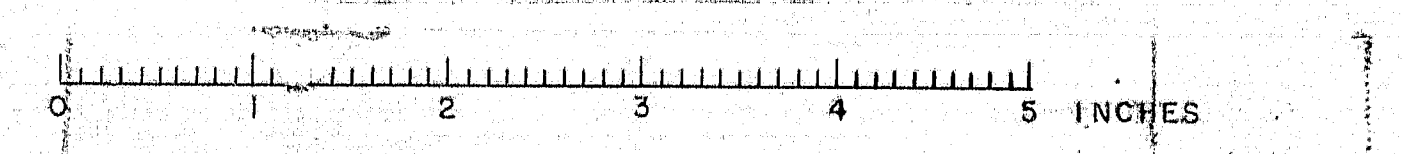


ELEVATION
CURB EXPANSION PLATE
ABUTMENT NO. 1

DESIGN - MCDUGAL
TRACE - SAVAGE
CHECK - [Signature]

BRIDGE NO. [Blank]
SURVEY - PLOT - [Blank]

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
OVERPASS NO. 2
STRUCTURAL STEEL
SHEET 110 OF 166 AUGUSTA, MAINE OCT. 1957.

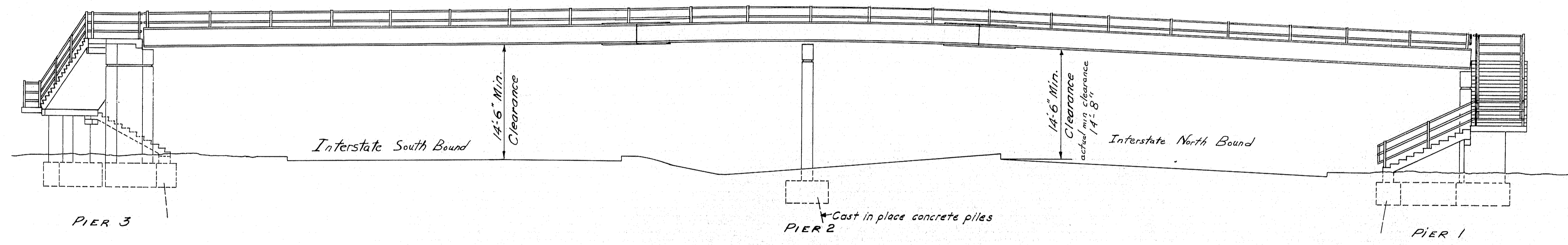
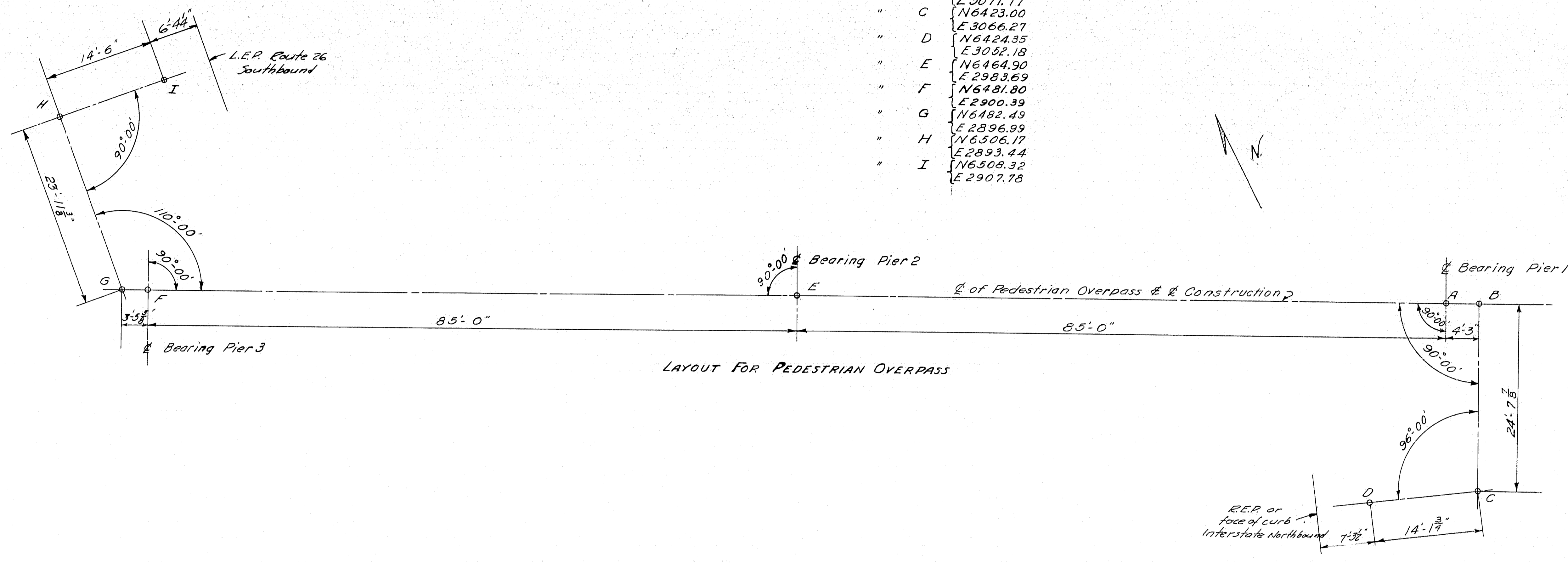


B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-082-111	111	166

1-ES6-343 50

COORDINATES

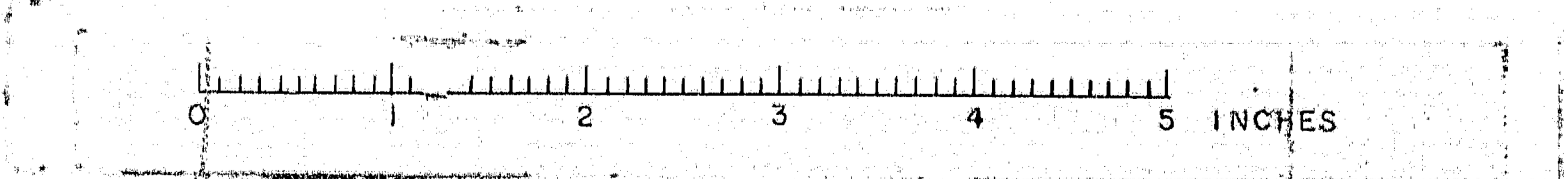
Point A	N6448.00	E3067.00
" B	N6447.15	E3071.17
" C	N6423.00	E3066.27
" D	N6424.35	E3052.18
" E	N6464.90	E2983.69
" F	N6481.80	E2900.39
" G	N6482.49	E2896.99
" H	N6506.17	E2893.44
" I	N6508.32	E2907.78

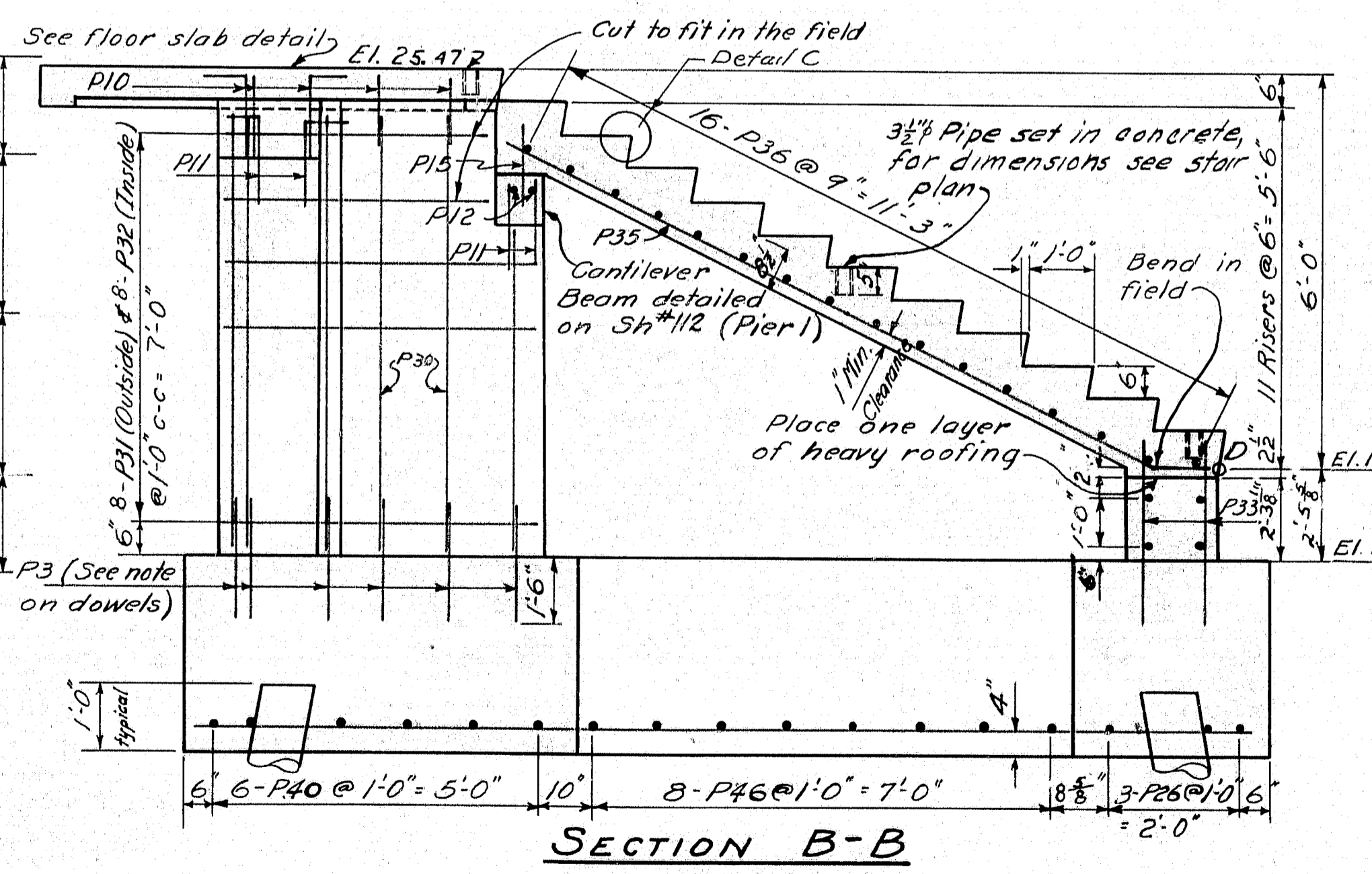
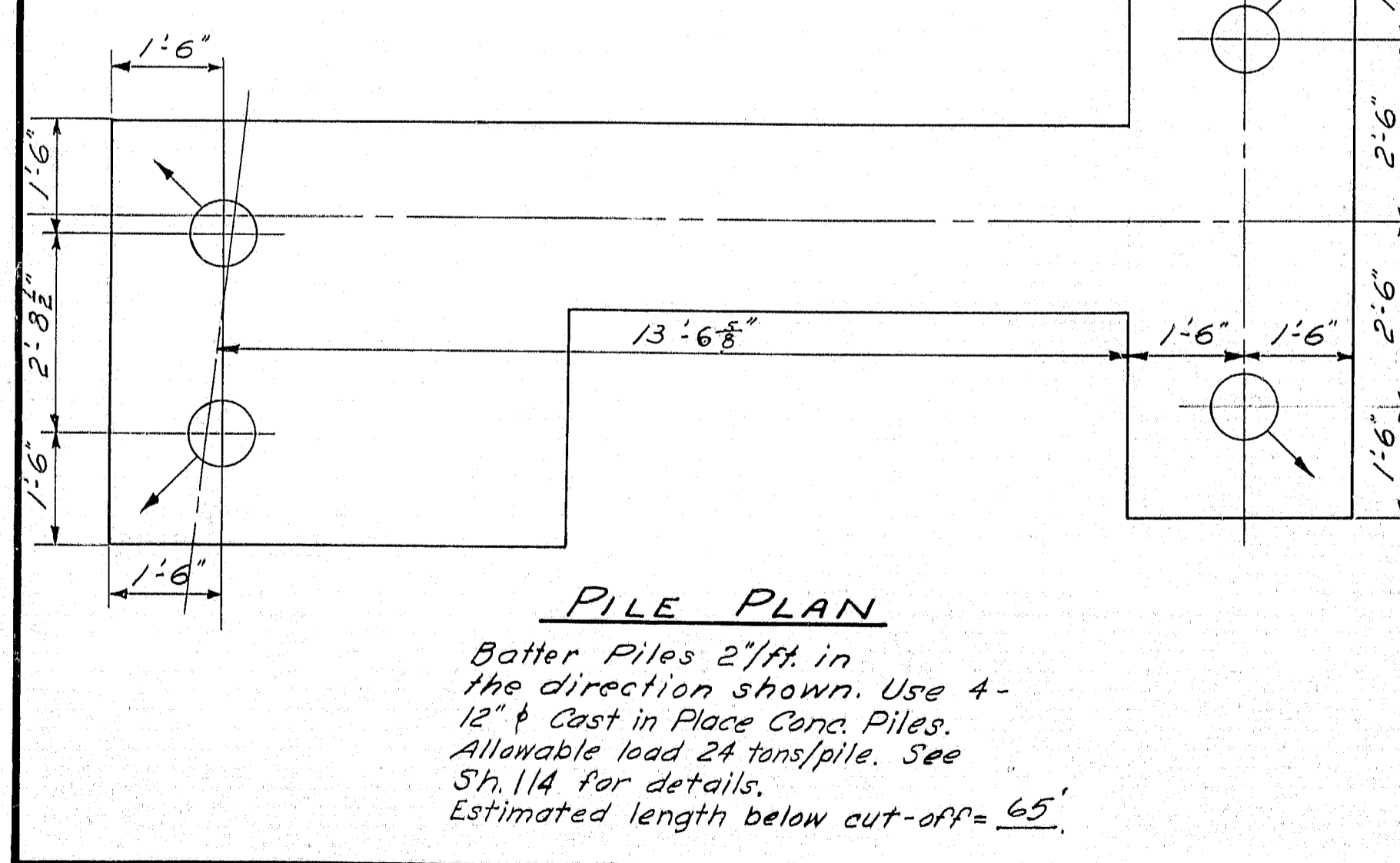
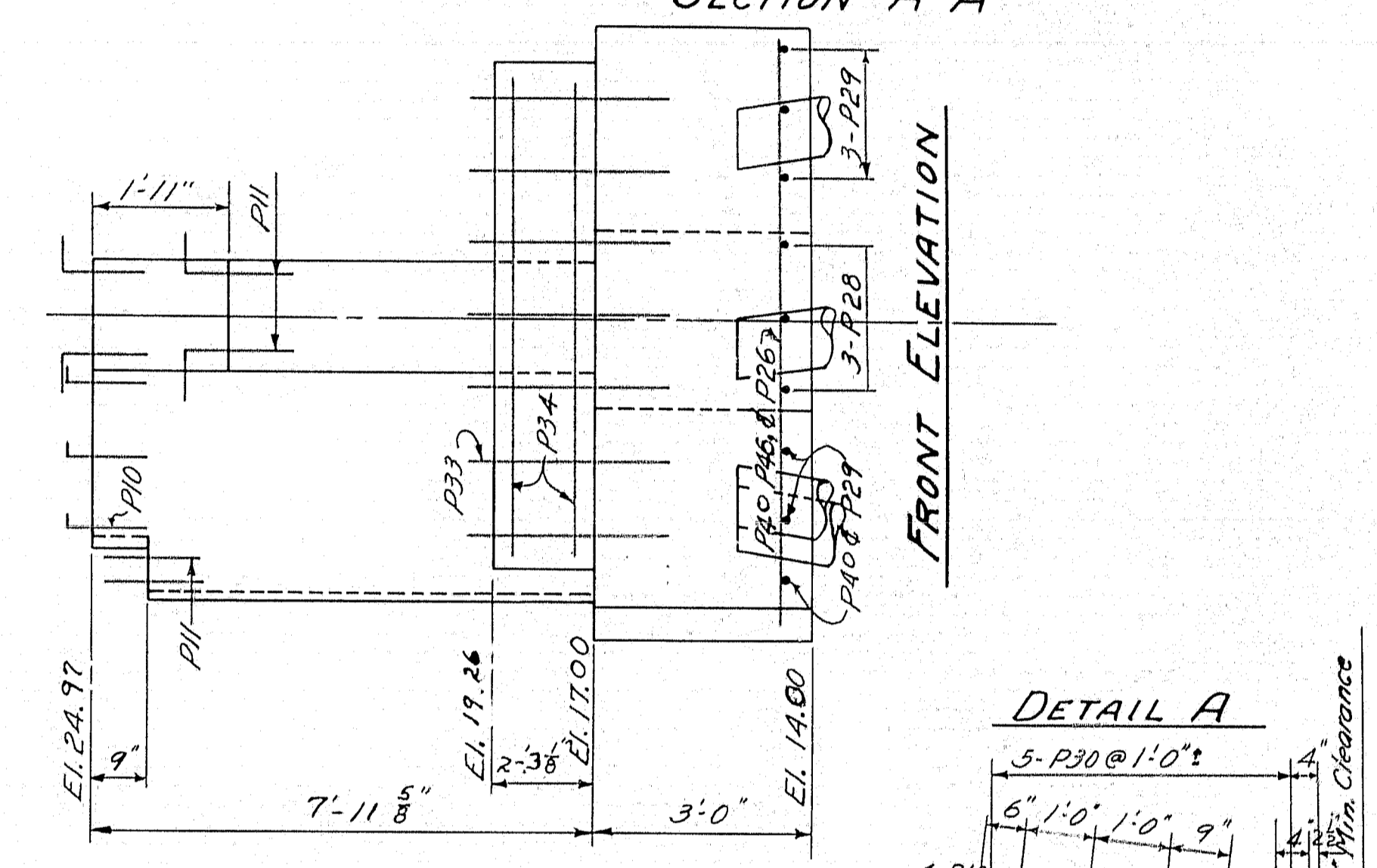
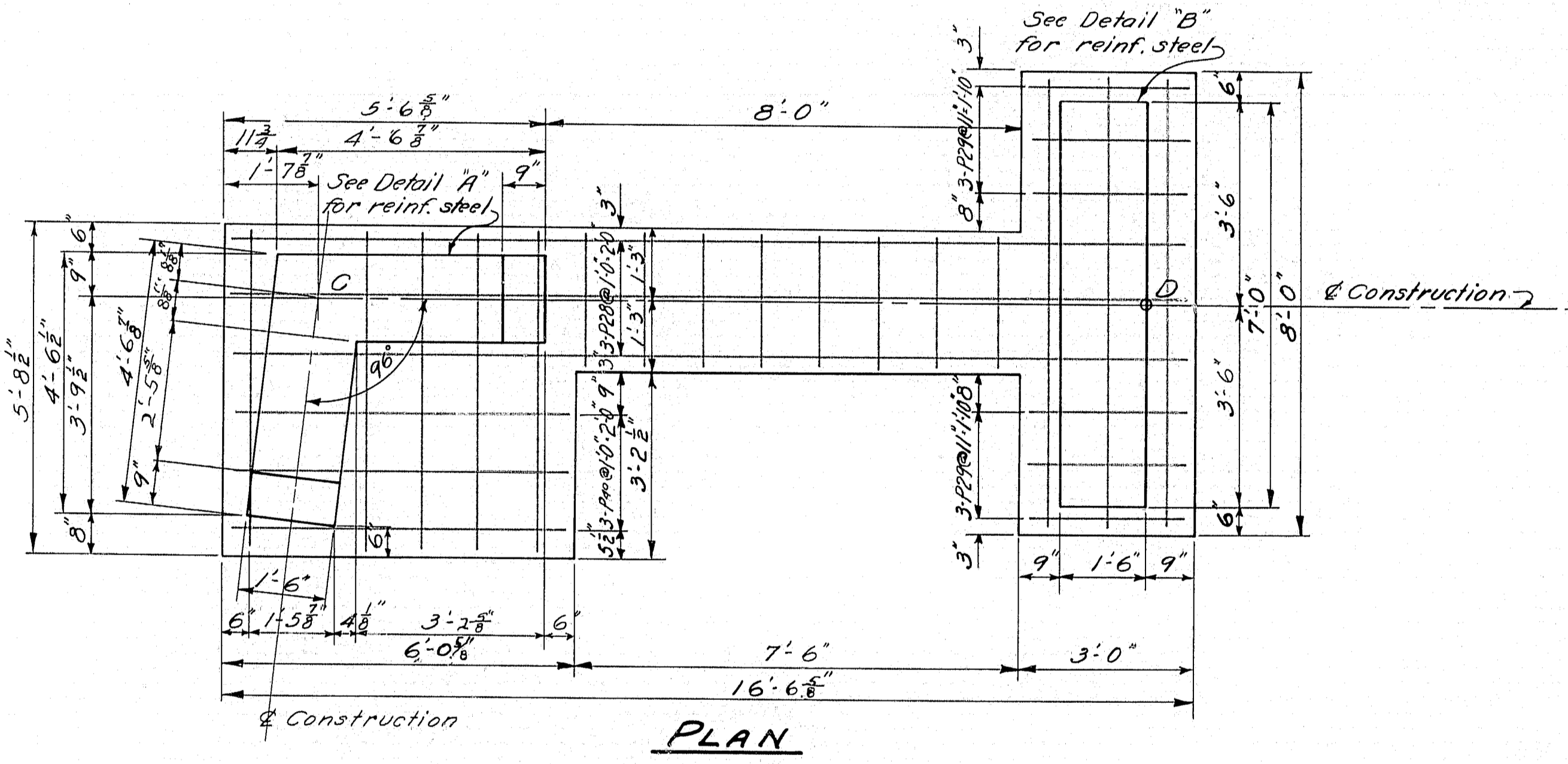
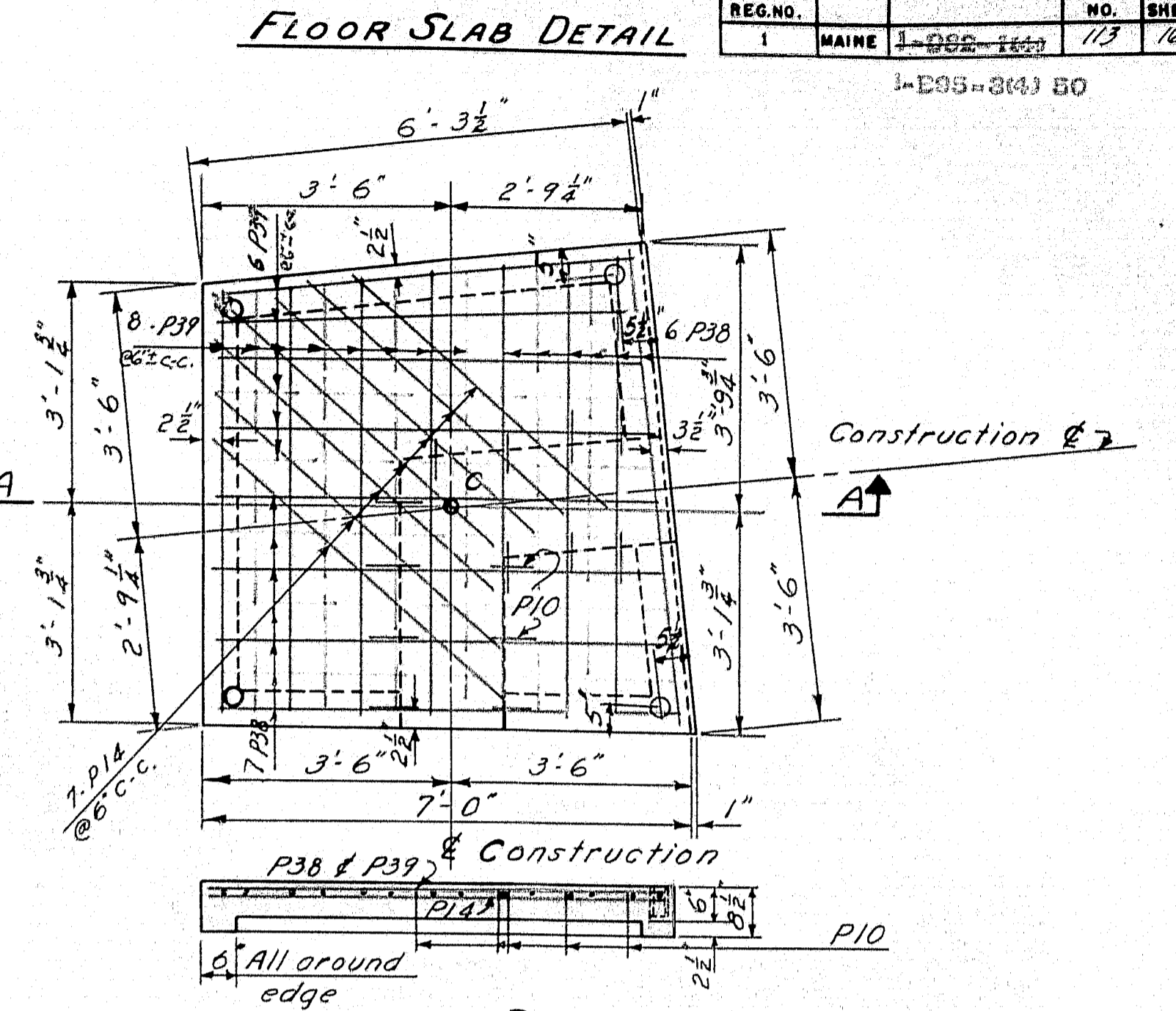
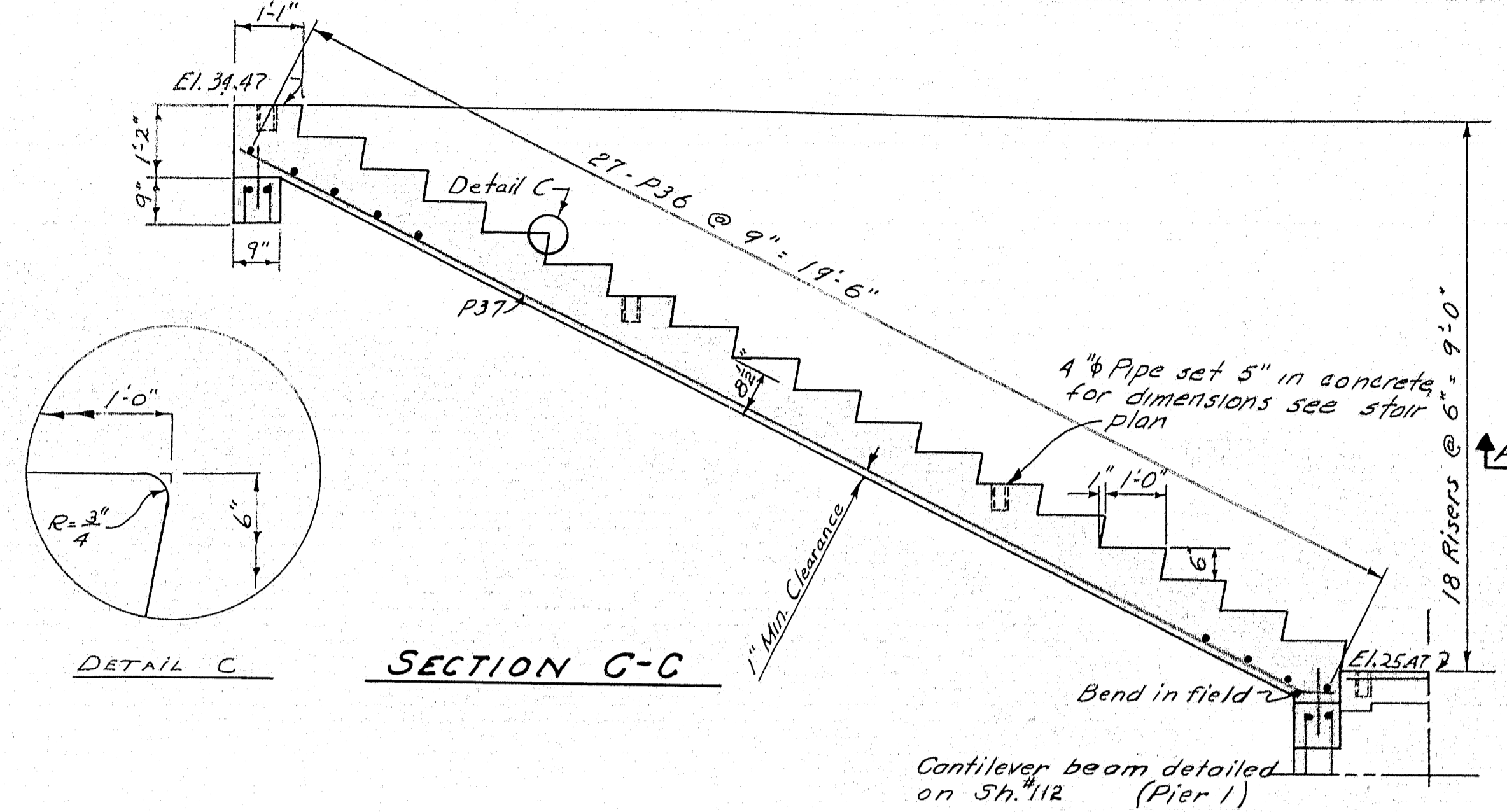
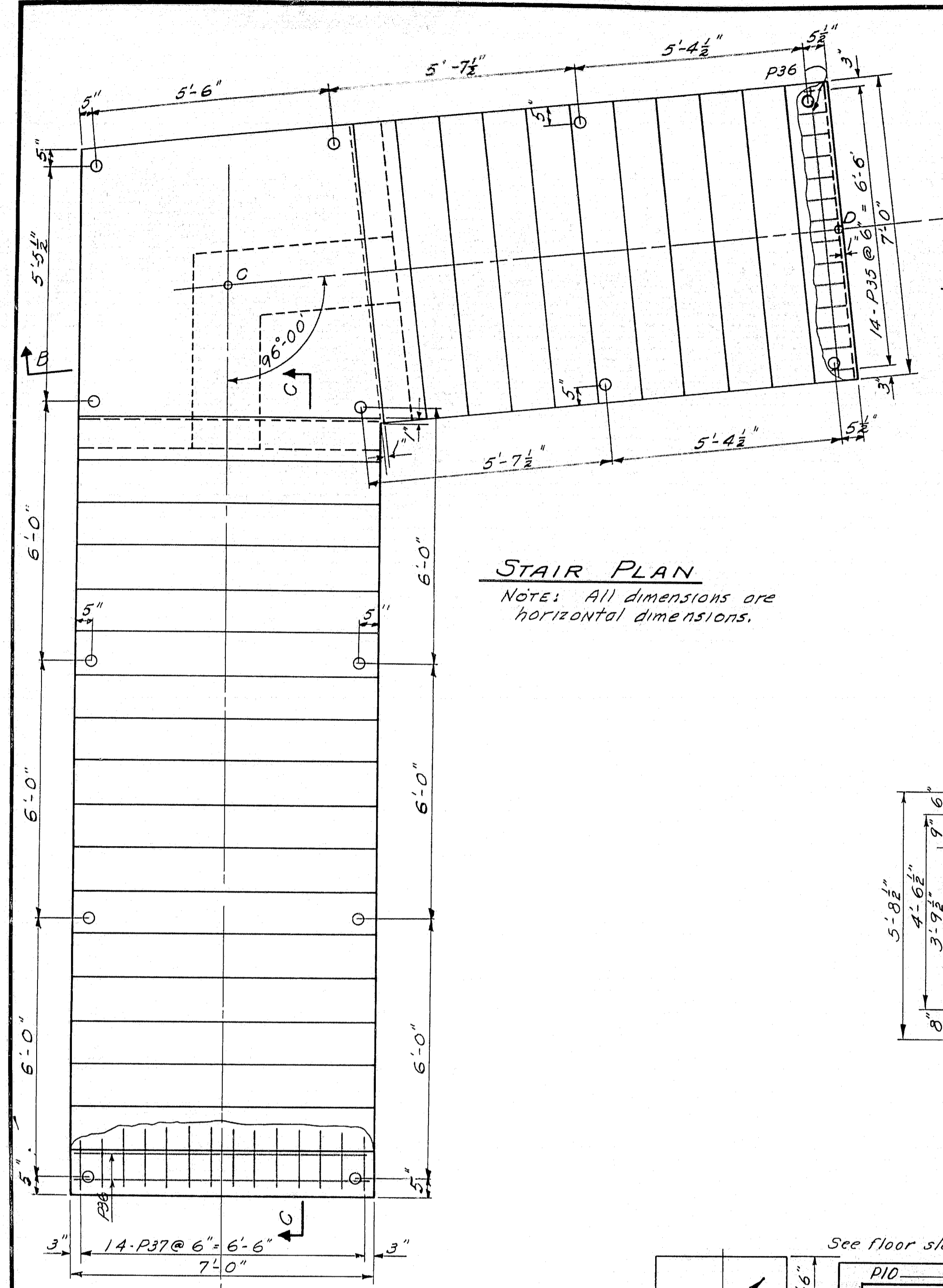


ELEVATION PEDESTRIAN OVERPASS

Note - Payment for concrete in Piers, Columns, Stairs and Slabs to be made under Item 701-35C "Portland Cement Concrete Piers, Pedestrian Overpass".
 The entire top surfaces of slabs and steps shall be finished as prescribed in Sect. 701-22 of the Standard Specifications, except that no margins will be provided.

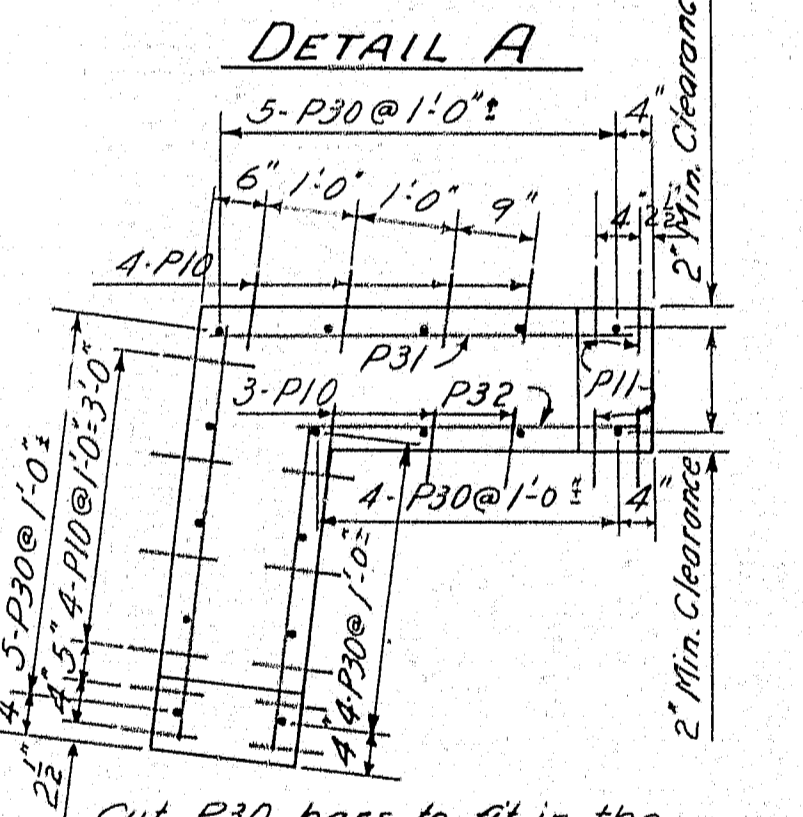
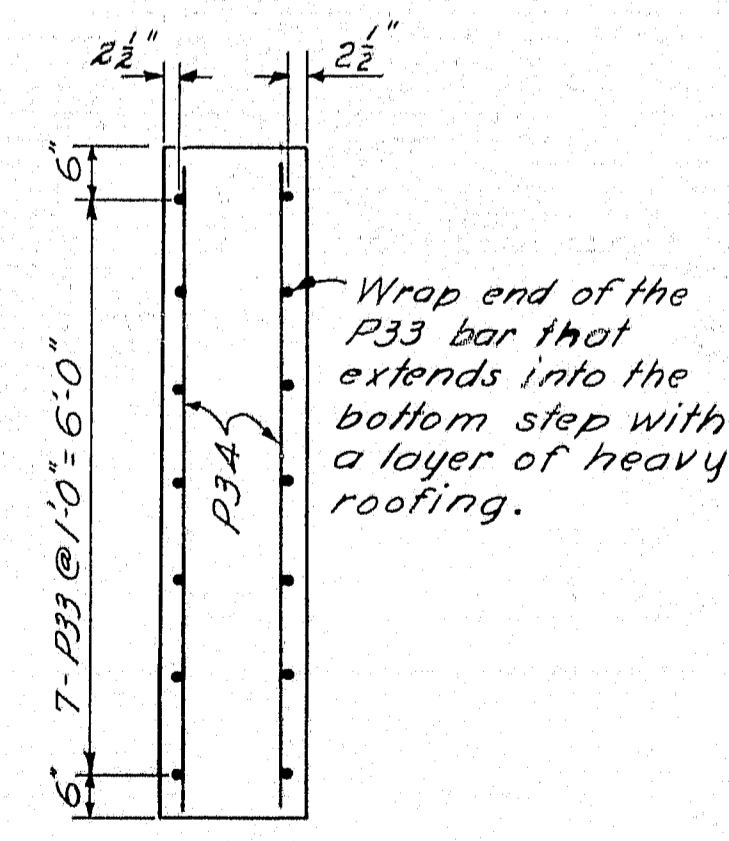
DESIGN - LANGFORD	BRIDGE NO.
TRACE - SAVAGE	SURVEY -
CHECK - MDP	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
PEDESTRIAN OVERPASS	
LAYOUT & ELEVATION	
SHEET 111 OF 166 AUGUSTA, MAINE OCT. 1957	





Coordinates
Point C { N6423.00
 { E3066.27
Point D { N6424.35
 { E3052.19

NOTE:
Splice P30 bars to dowels (P3), spacing of dowels will be the same as shown in Detail A for P30 bars. Chamfer all exposed edges of concrete 1/2" unless otherwise specified. Reinforcing steel in the footing may be moved to clear piles. Reinforcing steel may be moved to clear pipes for rails.

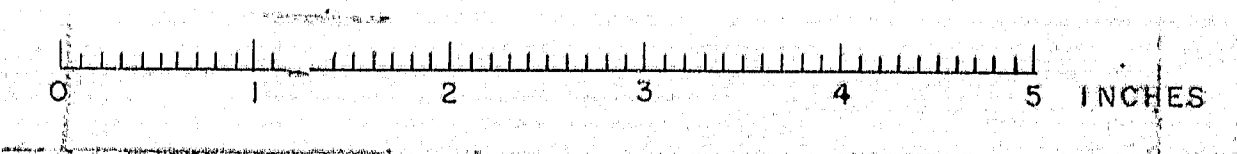


DESIGN - LANGFORD	BRIDGE NO.
TRACE - SAVAGE	SURVEY
CHECK -	SLOT -

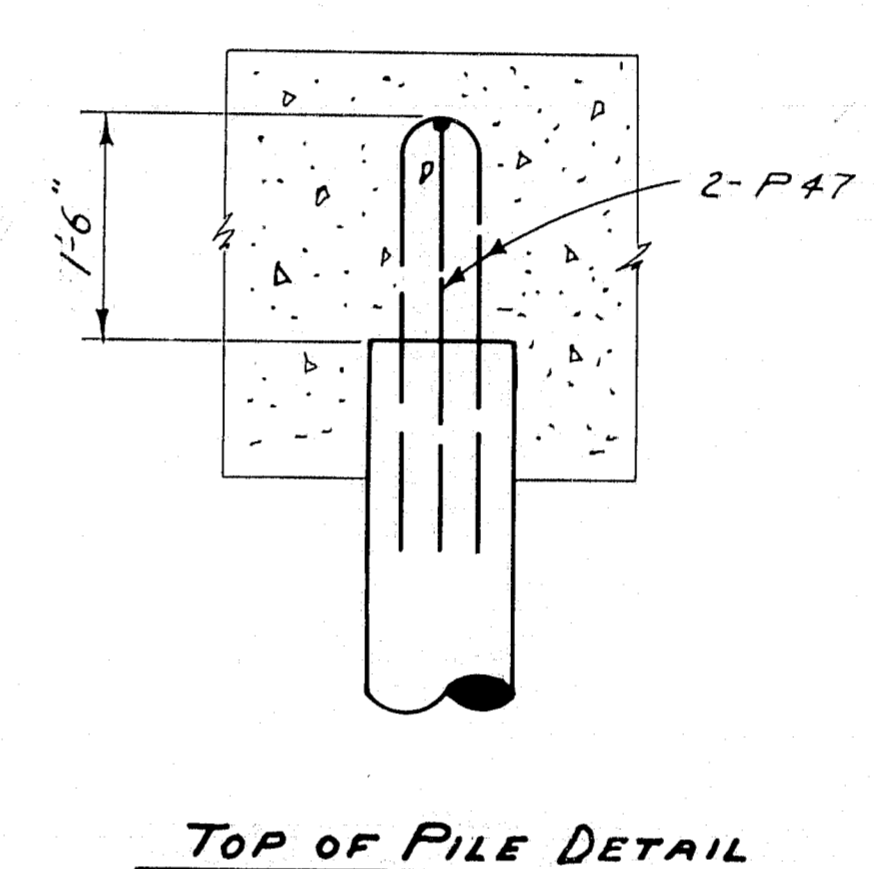
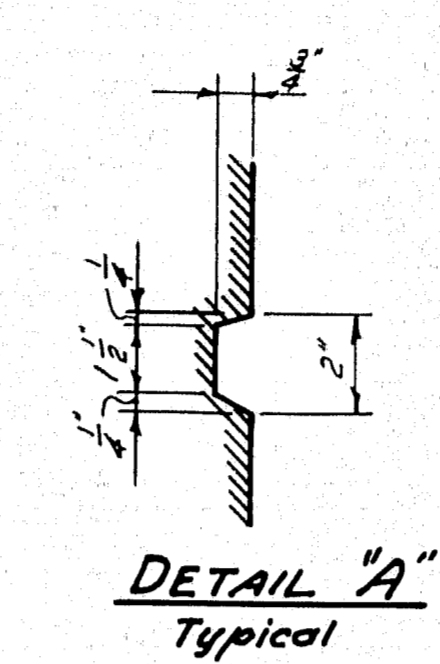
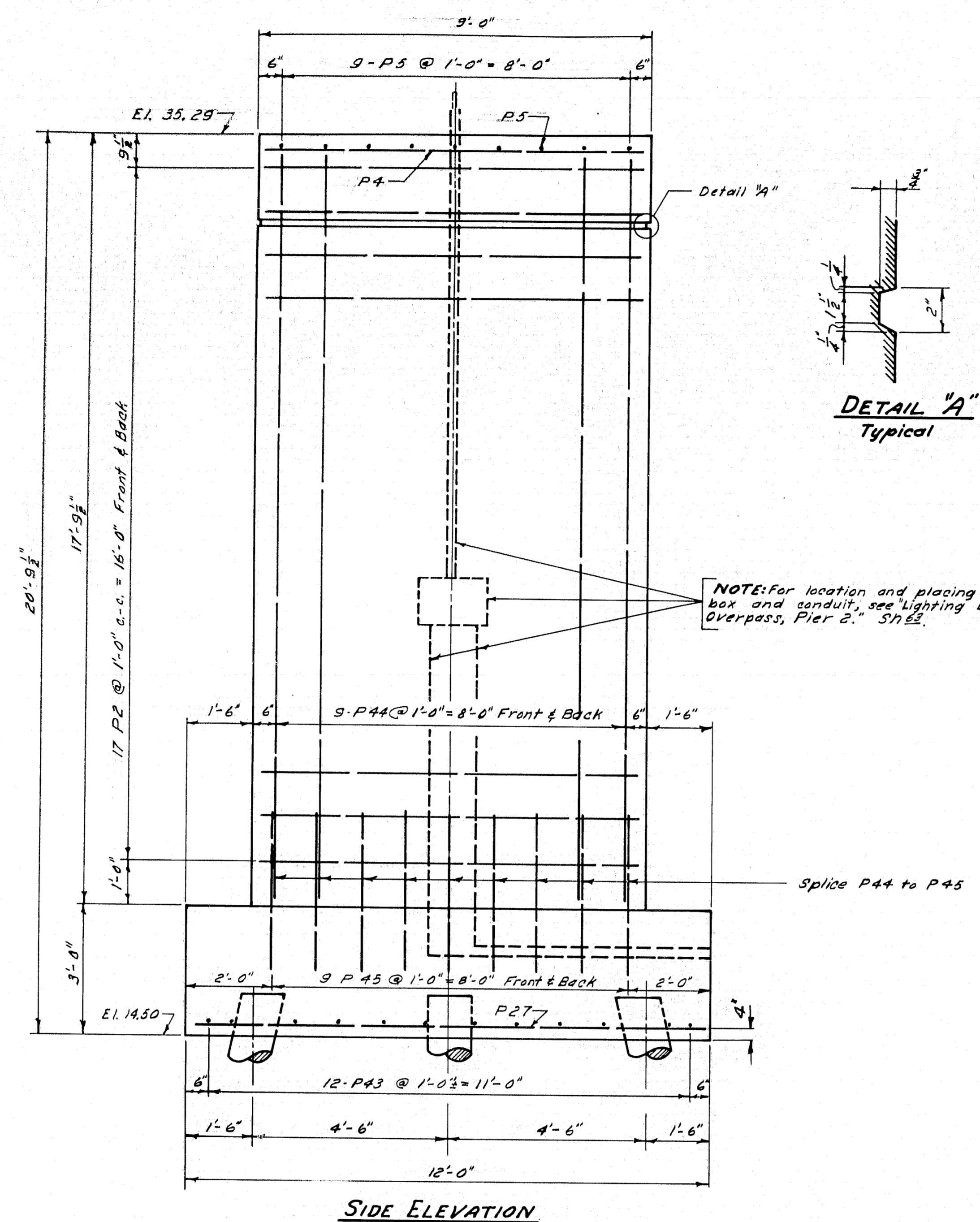
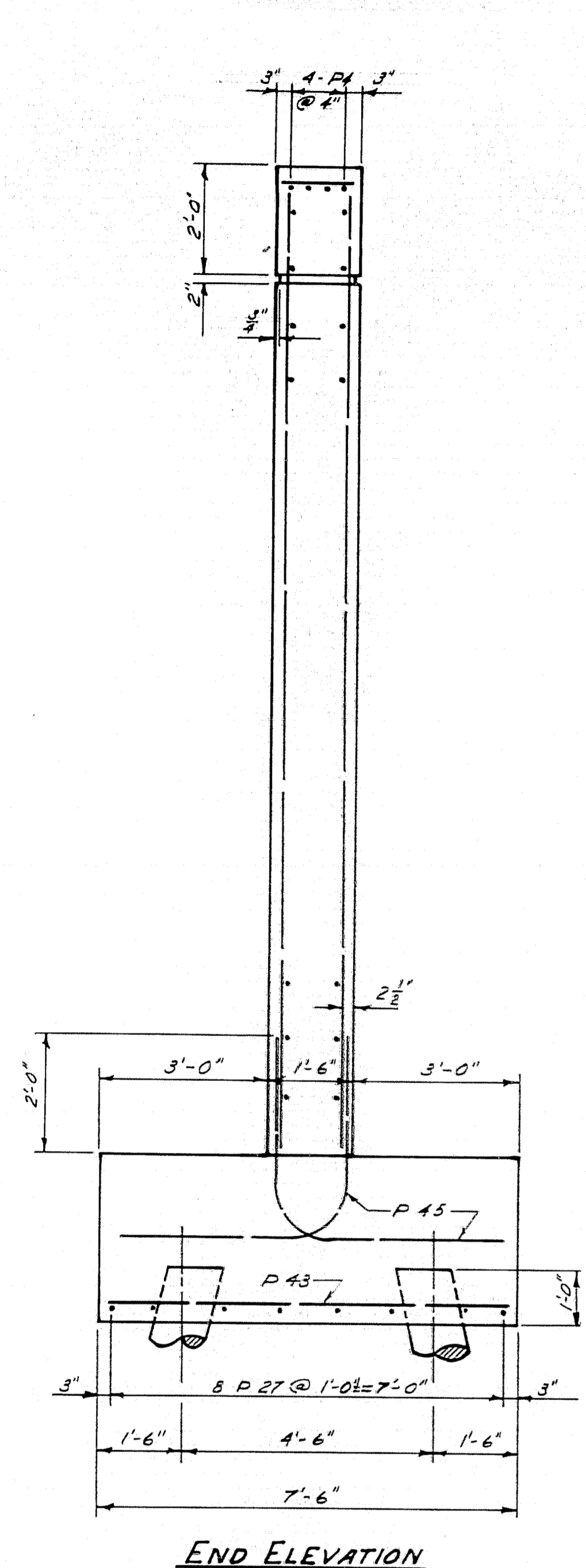
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
PEDESTRIAN OVERPASS
PIER I, COLUMNS & STAIRS

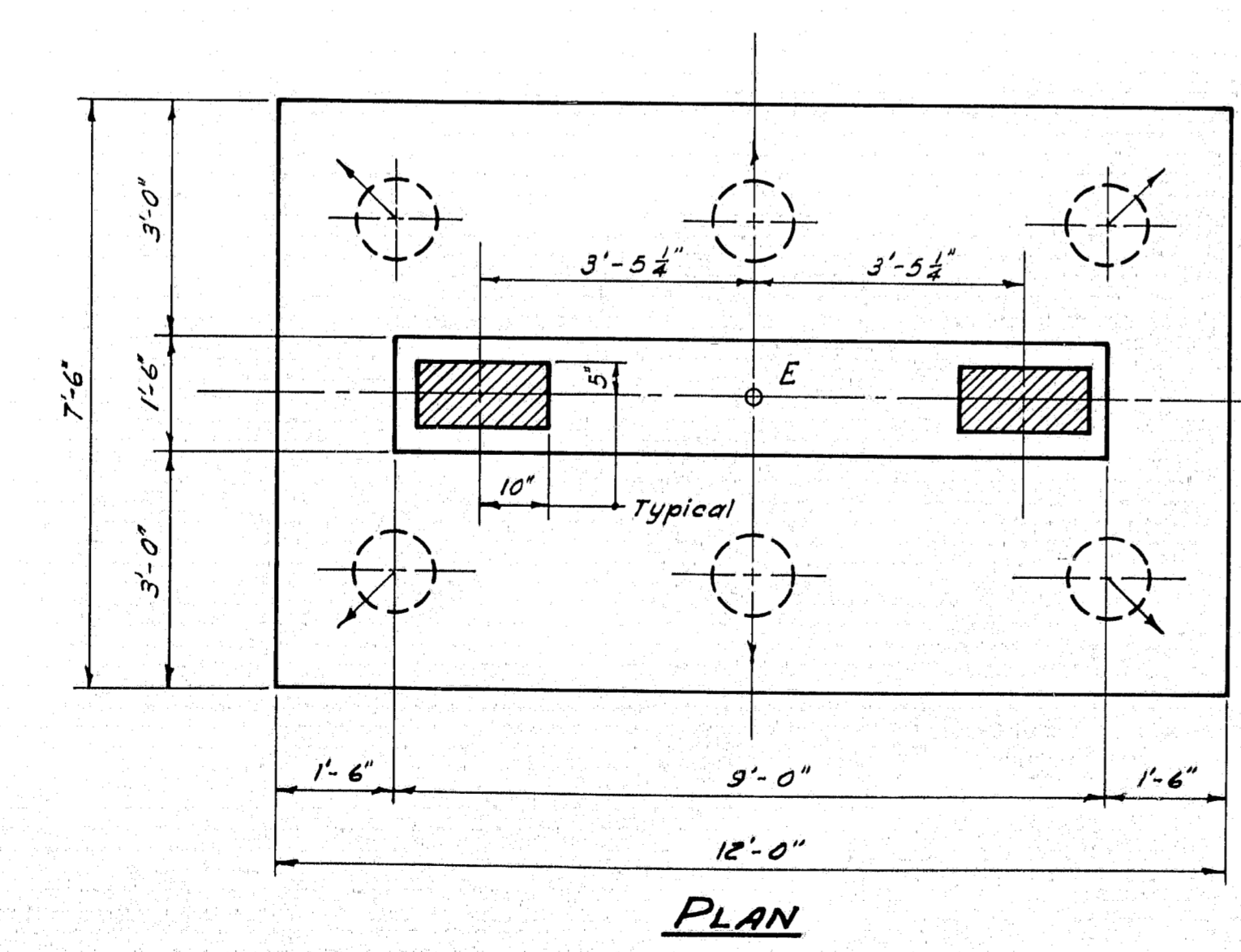
SHEET 113 OF 166 AUGUSTA, MAINE OCT. 1957



S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	166-114	114	166



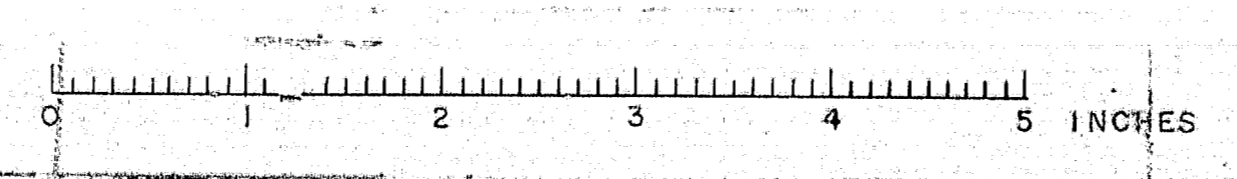
Note:-
"Bars P47 are listed in the reinforcing steel schedule and will be paid for as reinforcing steel. If the top of the piles are required to be reinforced in accordance with the specifications, the P47 bars are to be omitted."



NOTE: Dress shaded bearing areas to El. 35.29. Place reinforcing steel in bridge seat to clear anchor bolts. Batter piles 2"/ft in direction shown by arrow. Use 6-12" cast in place concrete piles. Allowable load 24 Tons/pile. Estimated length below cut-off = 65'.

Coordinates { N 6464.90
Point E { E 2983.69

DESIGN - LANGFORD	BRIDGE NO.
TRACE - AULT	SURVEY -
CHECK - M22	PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
PEDESTRIAN OVERPASS	
PIER 2	
SHEET 114 OF 166	AUGUSTA, MAINE OCT. 1957

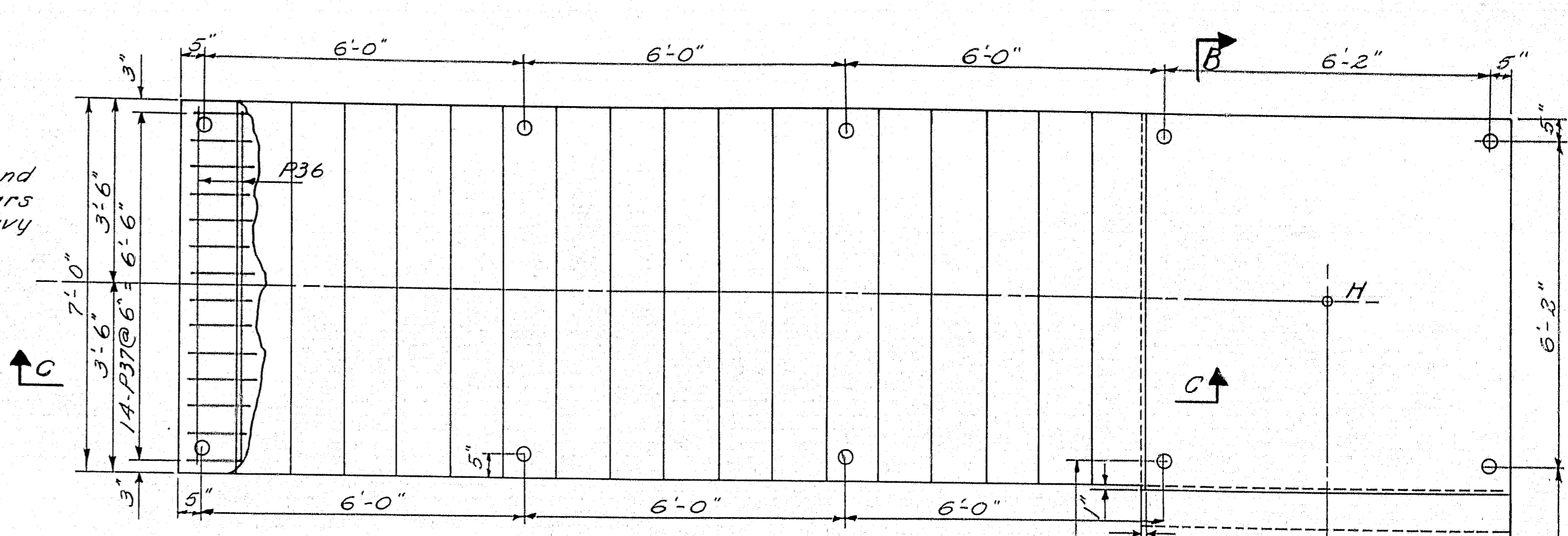
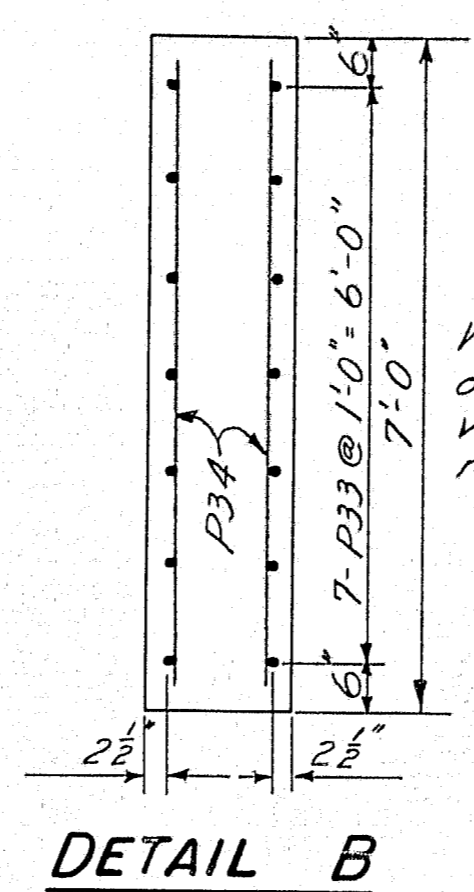
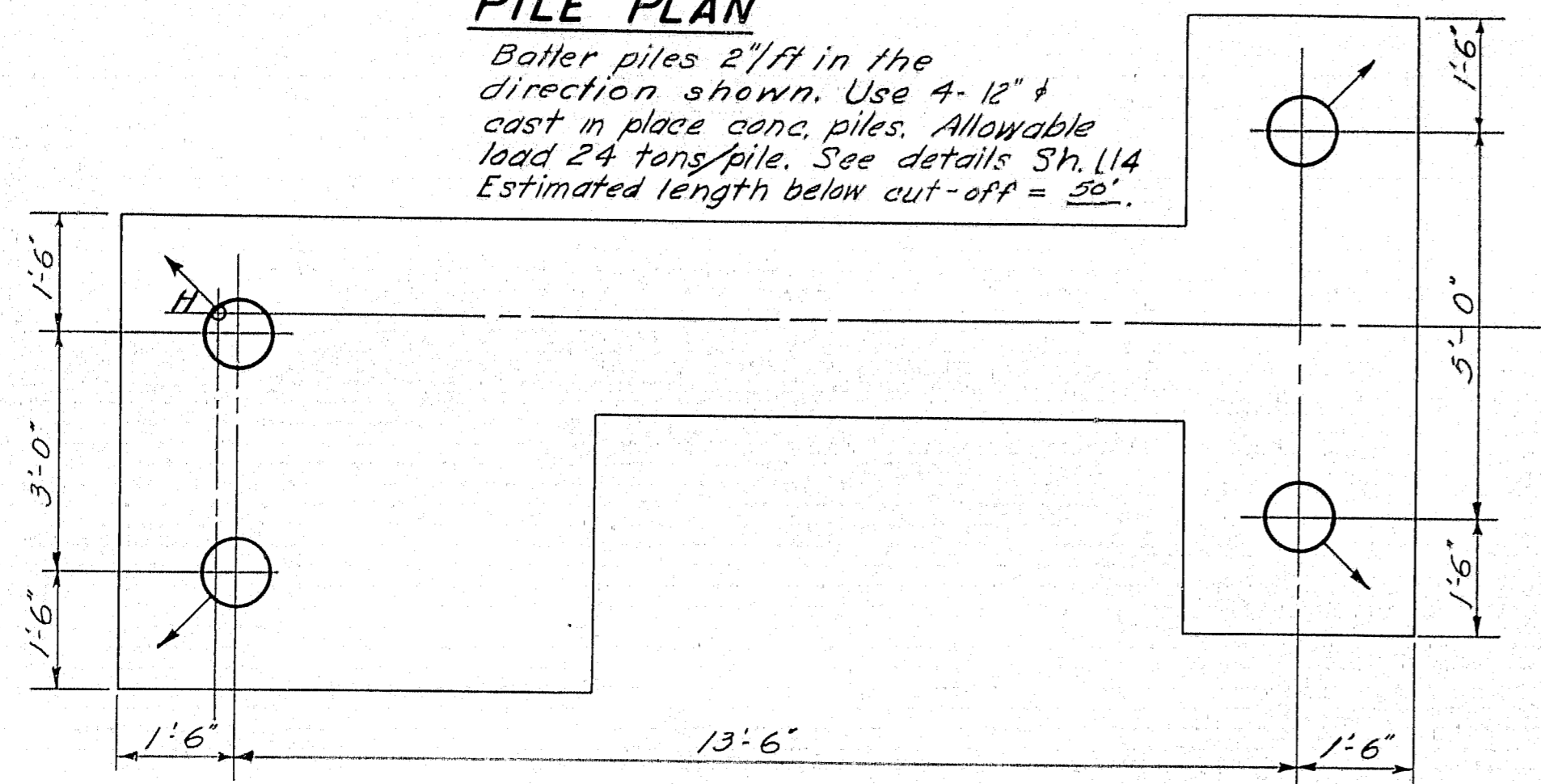


D. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-002-111	116	166

1-B05-243 RD

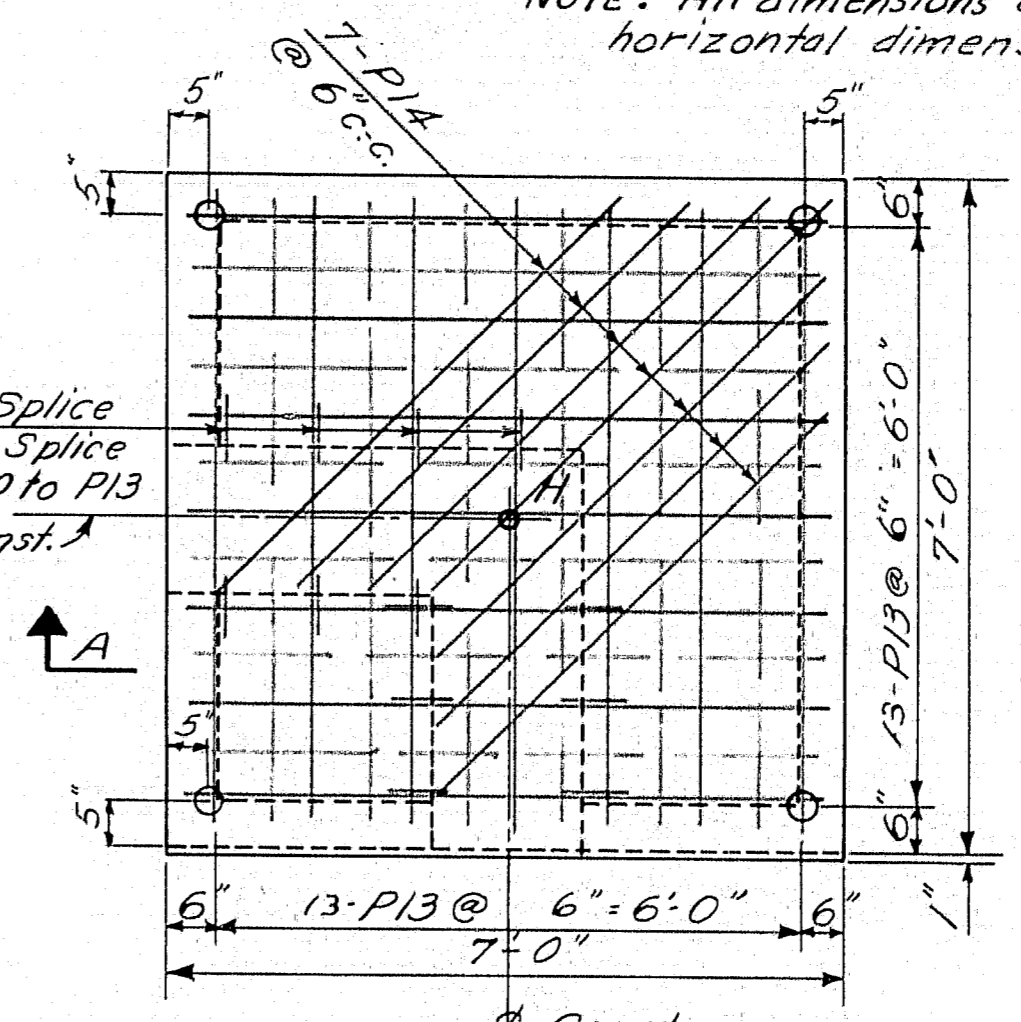
PILE PLAN

Batter piles 2" ft in the direction shown. Use 4-12" cast in place conc. piles. Allowable load 24 tons/pile. See details Sh. 114. Estimated length below cut-off = 30'.

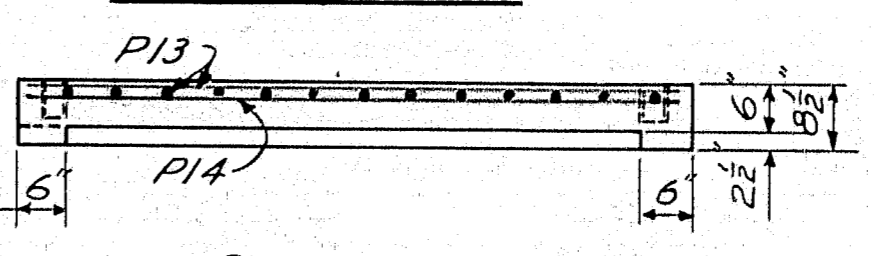


STAIR PLAN

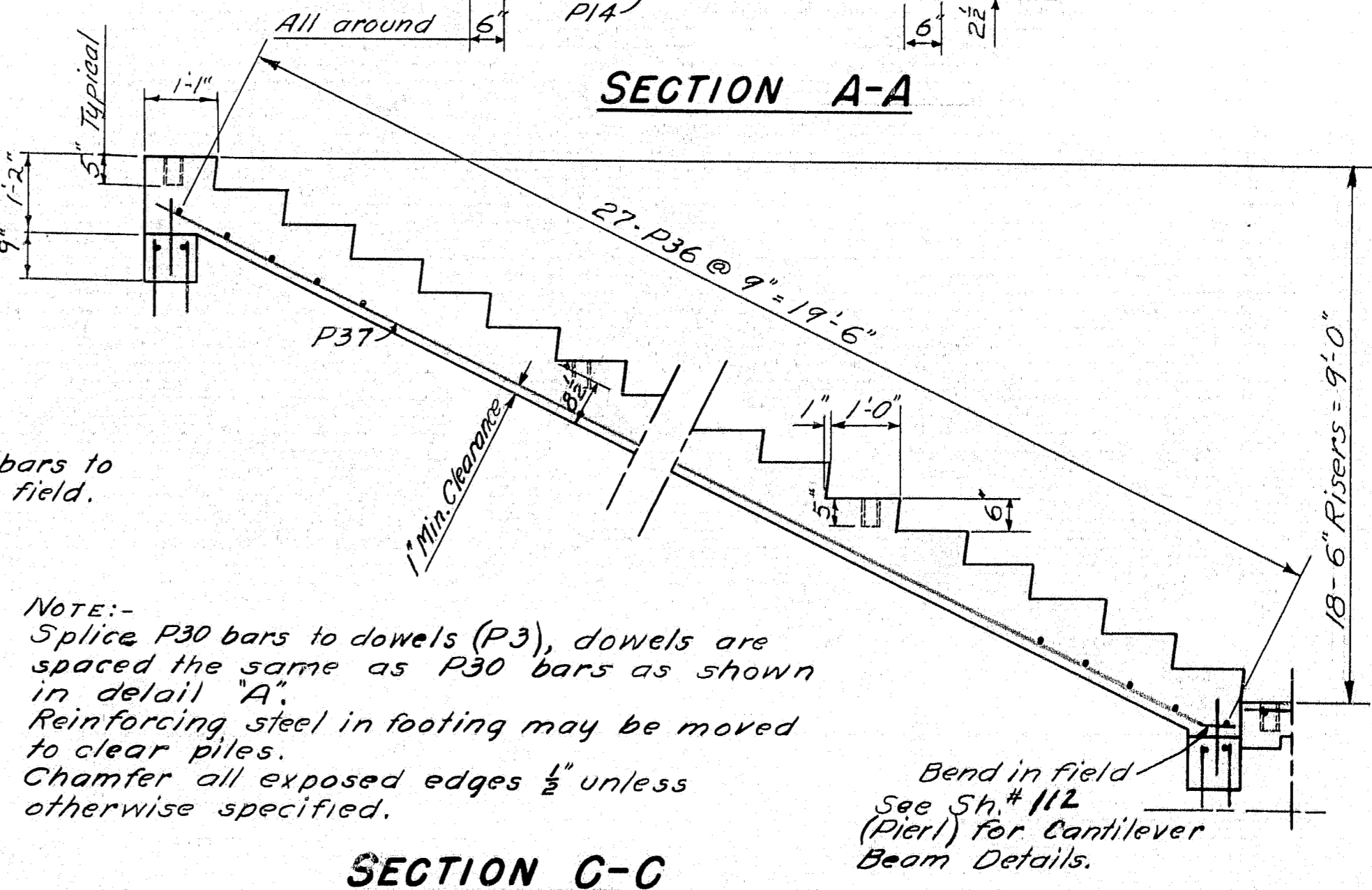
Note: All dimensions are horizontal dimensions



FLOOR SLAB

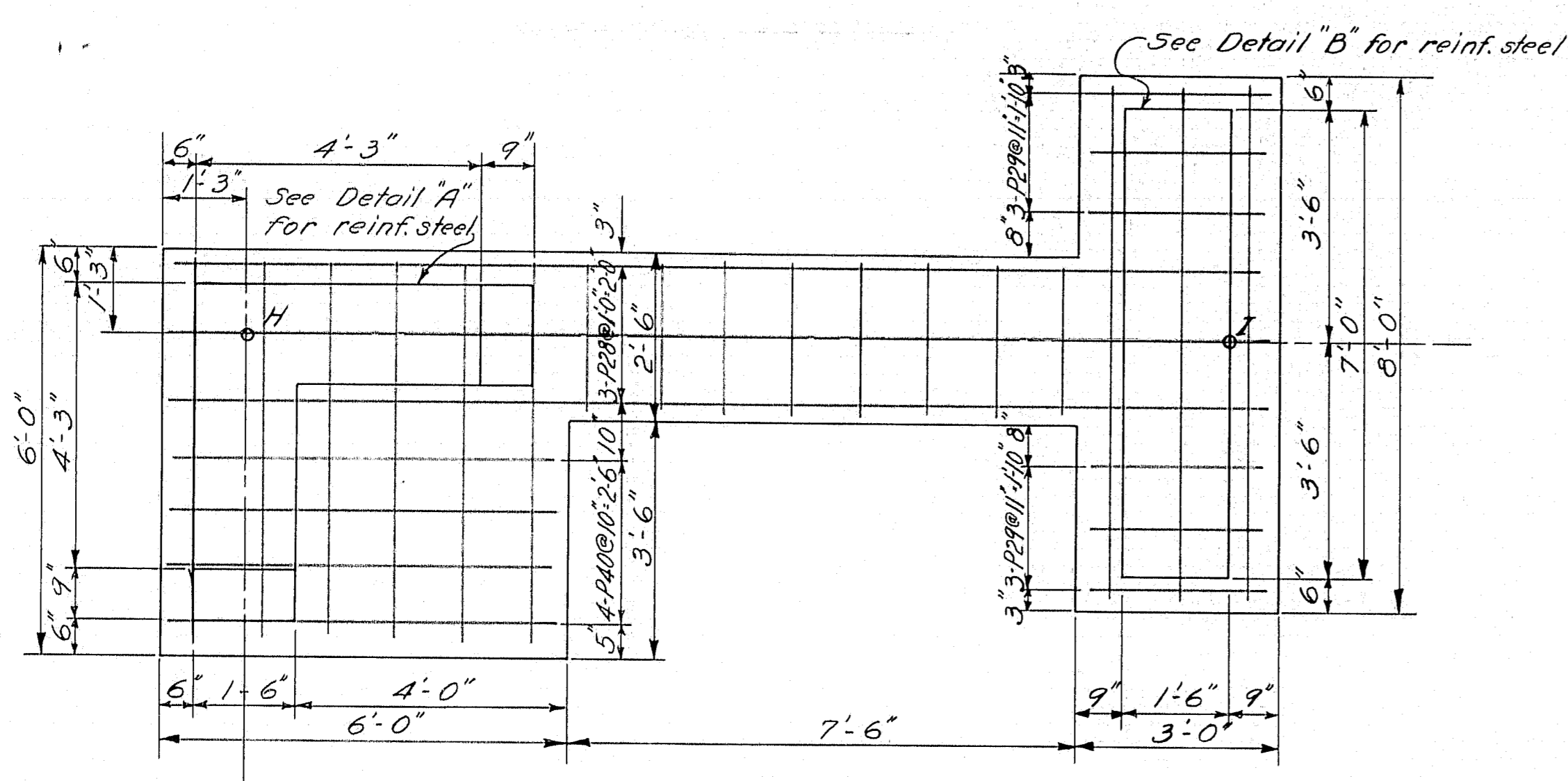


SECTION A-A

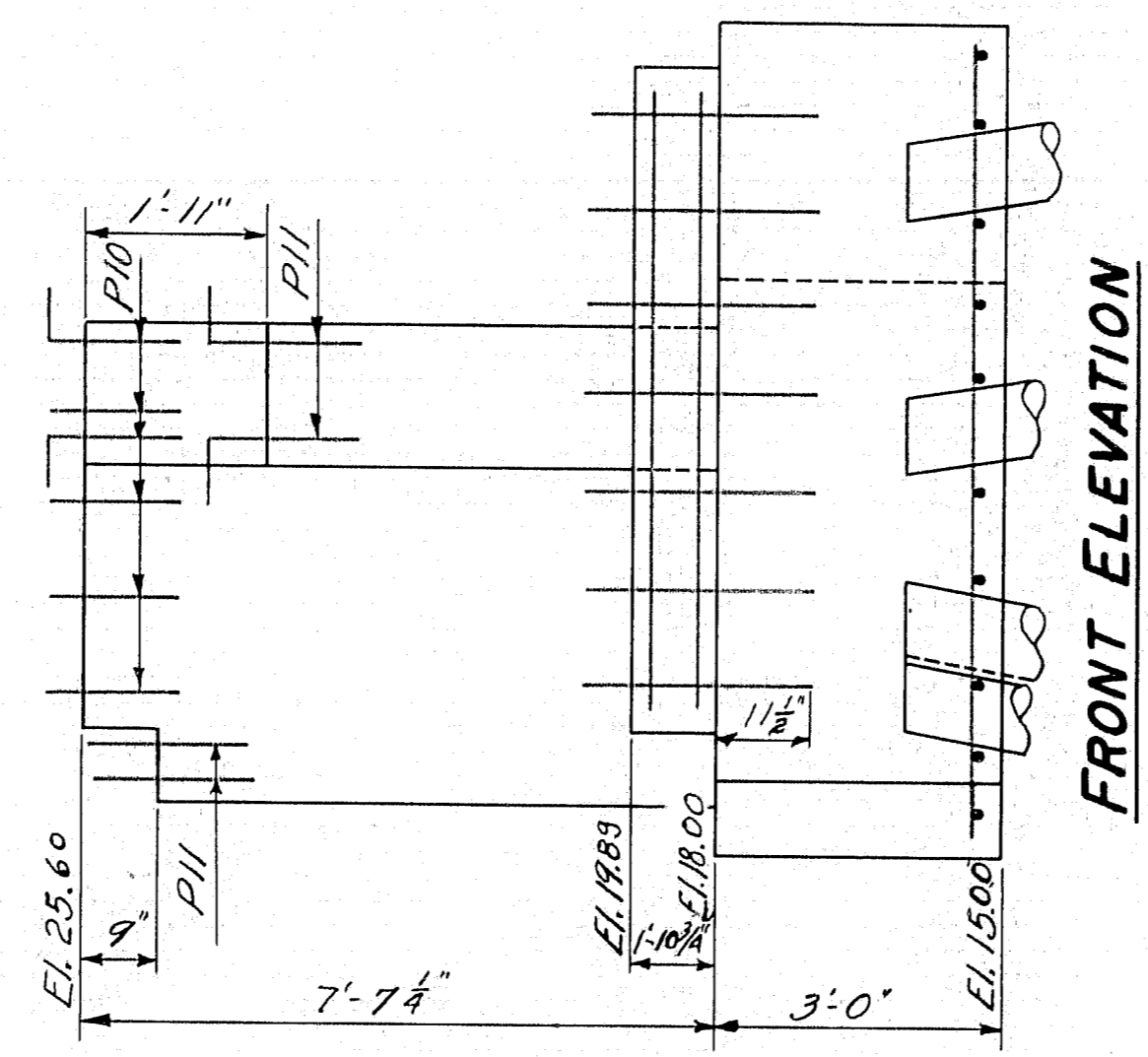


Coordinates
 Point H (N6506.17, E2893.44)
 Point I (N6508.32, E2907.78)

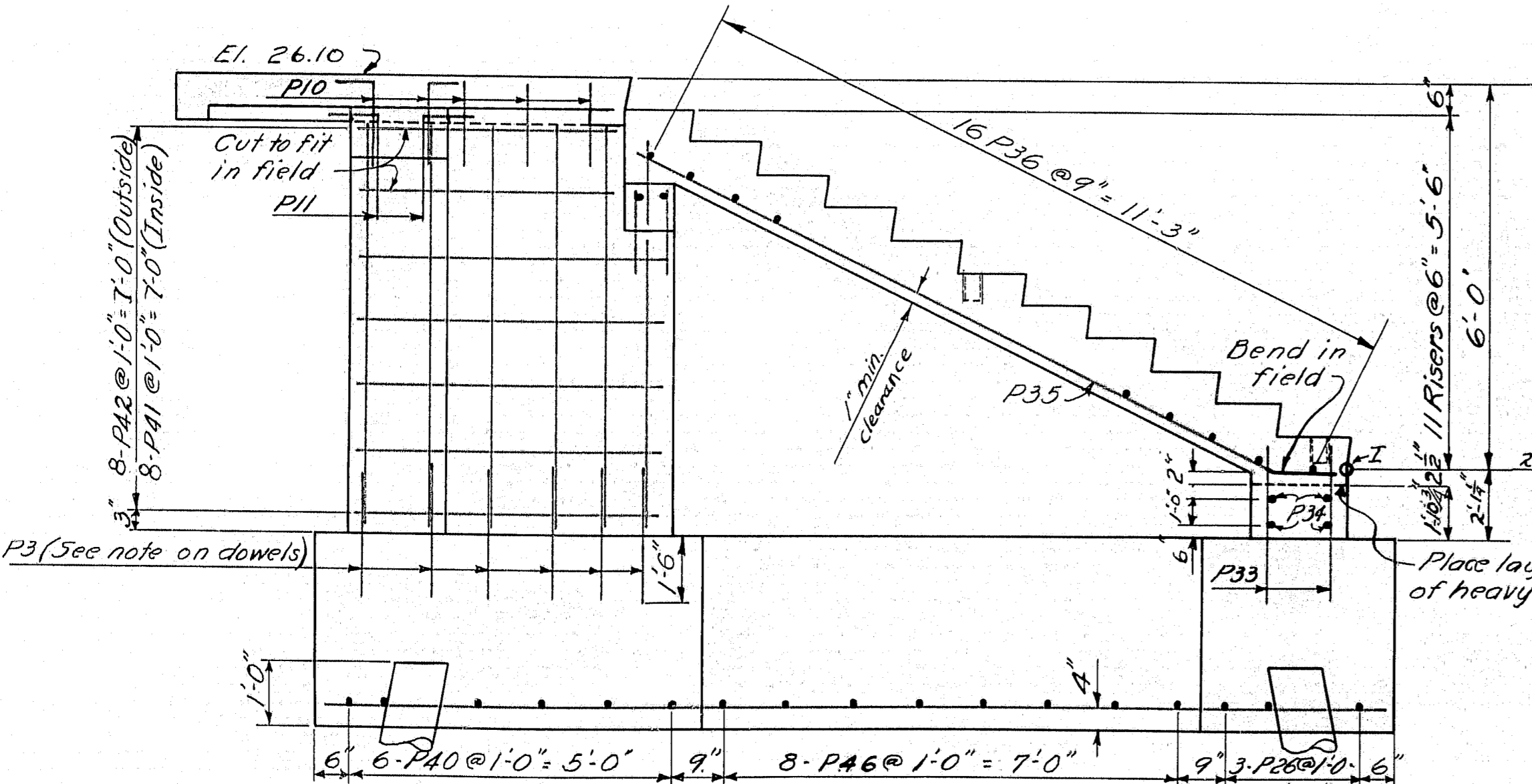
Note: Stairs & Floor Slabs should not be cast until the rail detail has been approved.



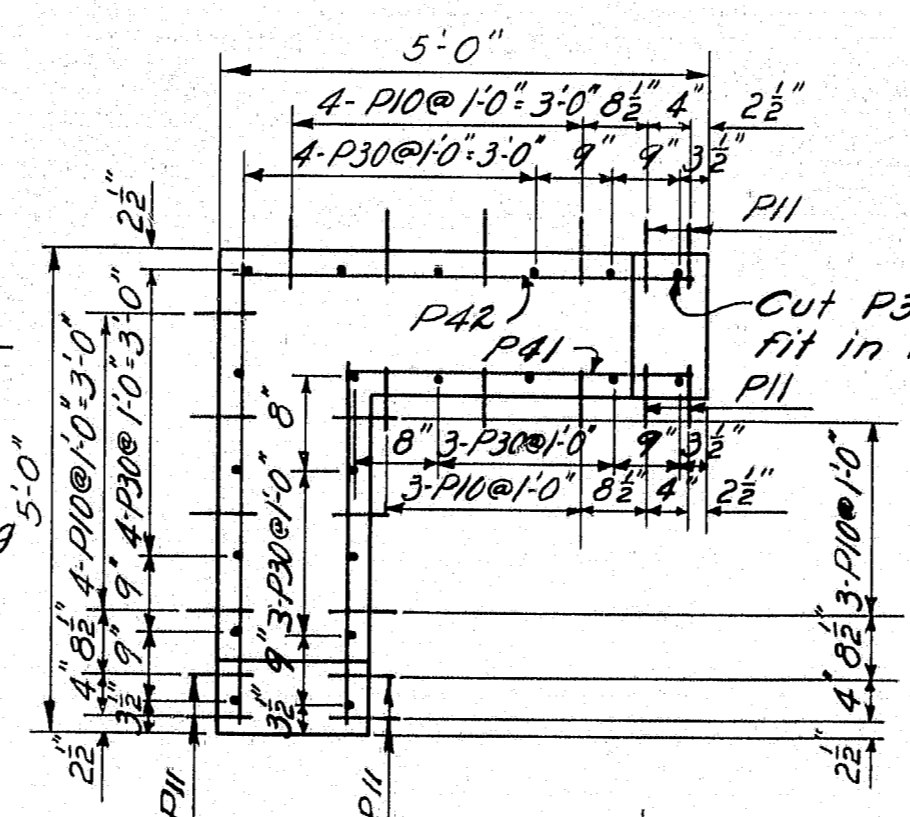
PLAN



FRONT ELEVATION



SECTION B-B



DETAIL A

NOTE:-
 Splice P30 bars to dowels (P3), dowels are spaced the same as P30 bars as shown in detail "A".
 Reinforcing steel in footing may be moved to clear piles.
 Chamfer all exposed edges 1/2" unless otherwise specified.

SECTION C-C

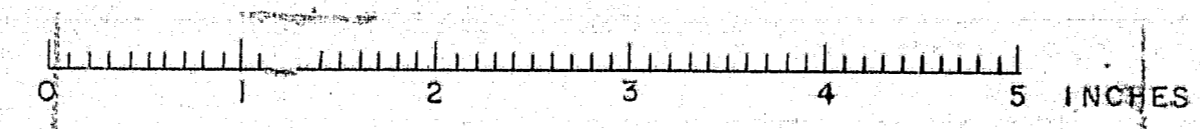
DESIGN - LANGFORD
 TRACE - SAVAGE
 CHECK - M&E

BRIDGE NO. SURVEY - PLOT -

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION

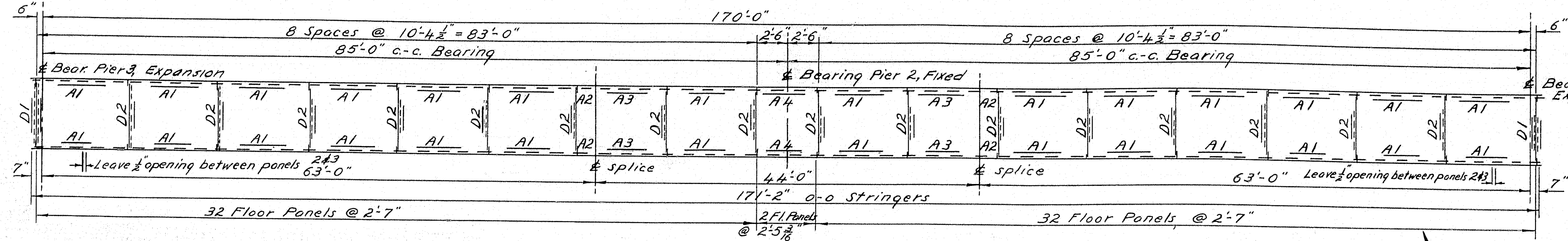
TUKEYS BRIDGE
 OVER
BACK COVE
 IN THE CITY OF
PORTLAND
 CUMBERLAND COUNTY
 PEDESTRIAN OVERPASS
 PIER 3, COLUMNS & STAIRS

SHEET 116 OF 166 AUGUSTA, MAINE OCT. 1957



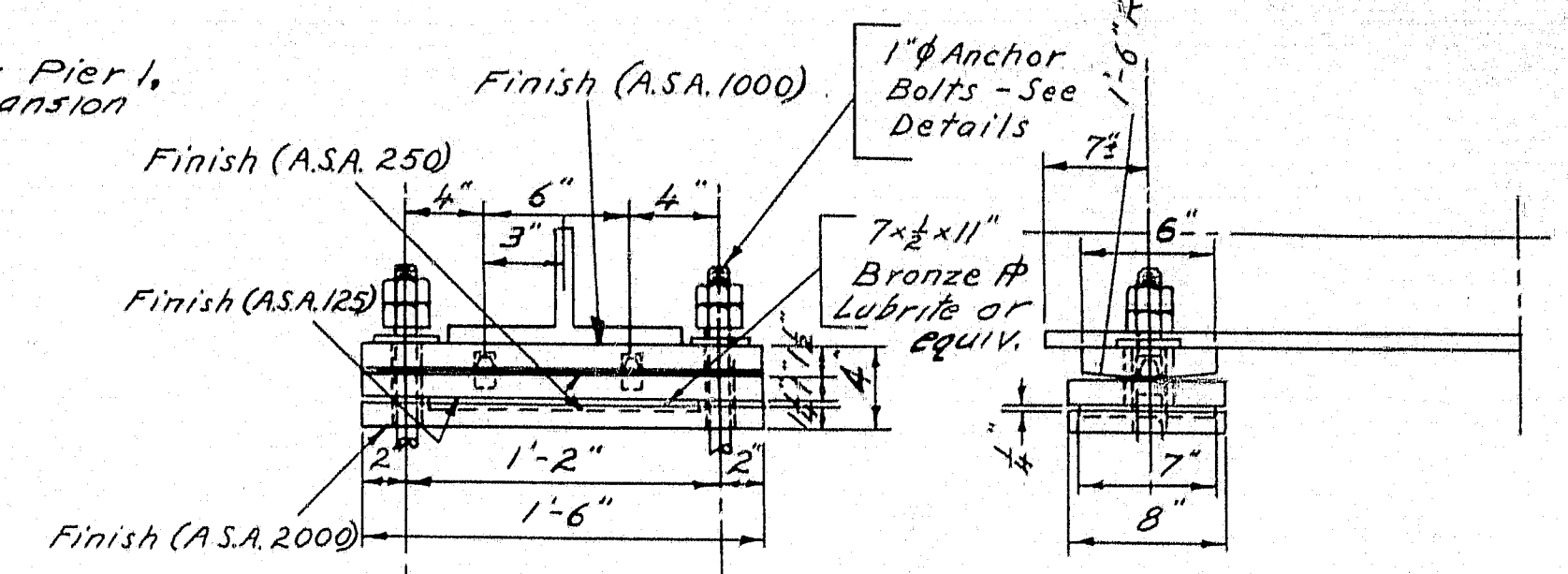
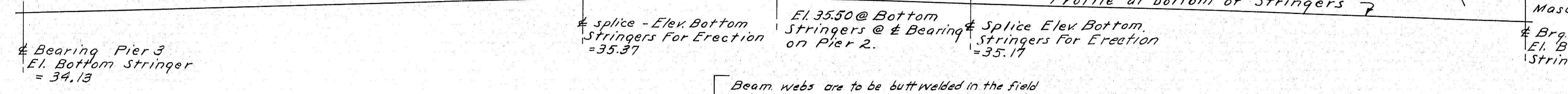
R. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-662-144	117	166

1-B35-343 50



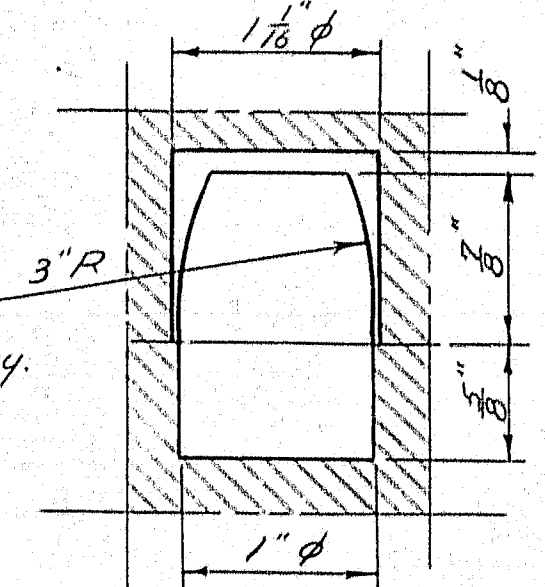
FRAMING PLAN

STRUCTURAL STEEL PROFILE

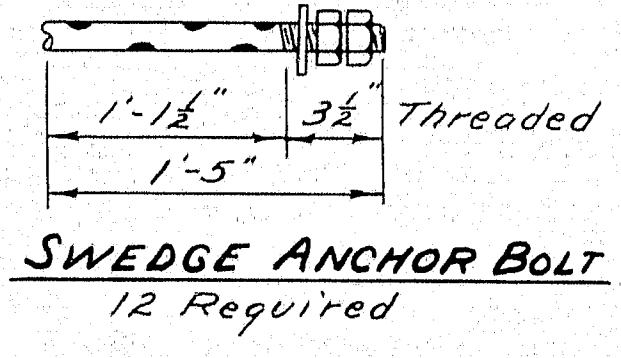


EXPANSION BEARINGS
4 Required
See Details For Pintle Pin

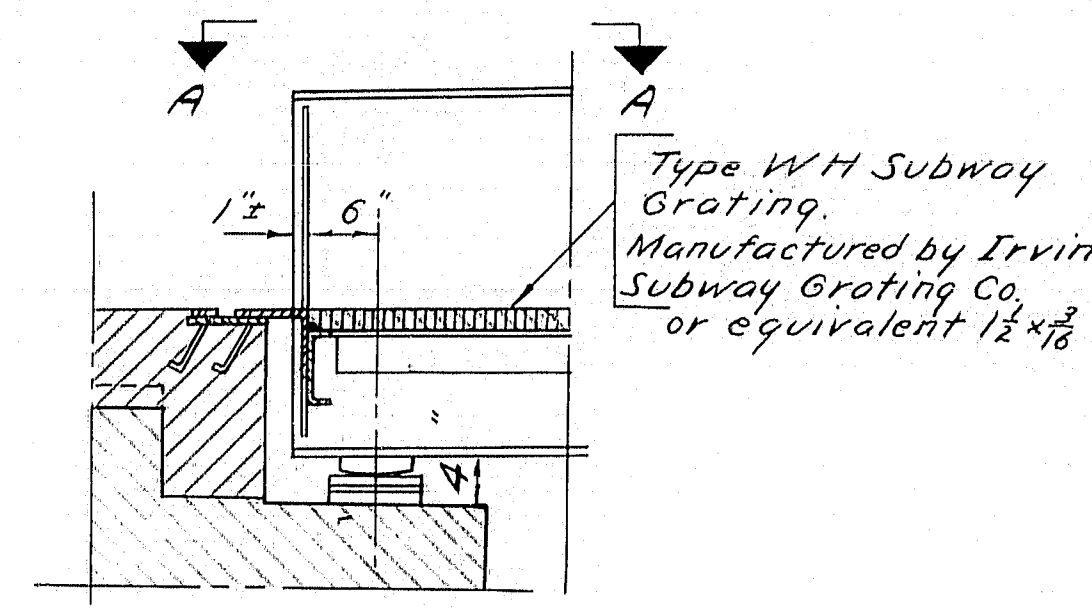
NOTE:
Bearing devices are to be welded to the bottom of the stringers in the field with a $\frac{3}{8}$ " fillet weld.
1" ϕ Swedge anchor bolts are to be used with 2 Hex Nuts & 1-3" ϕ x $\frac{3}{8}$ " washer.
Anchor bolts are to be set at least 10" into the masonry.
The two nuts on the fixed and expansion bearings are to be locked together, but not tightened down on the bearing plates.



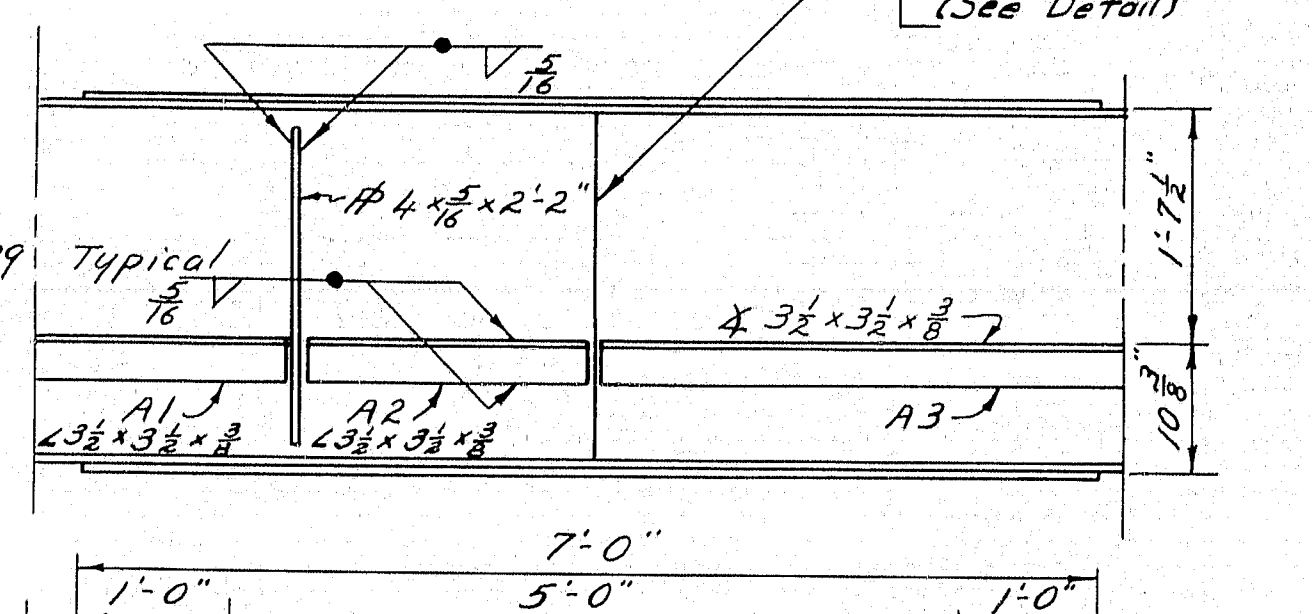
PINTLE PIN



SWEDGE ANCHOR BOLT
12 Required

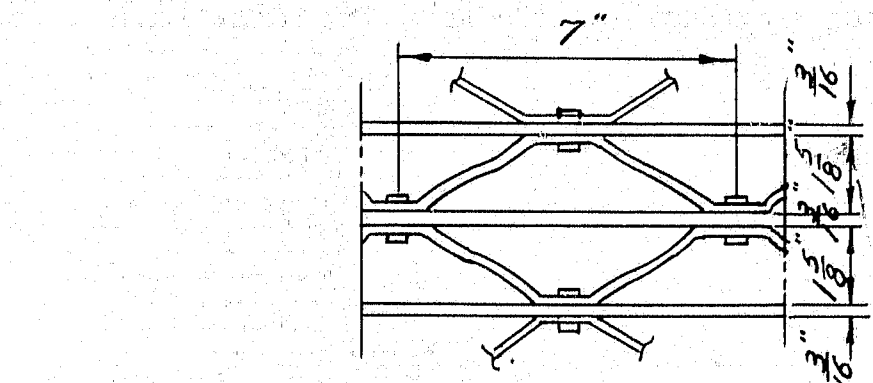


TYPICAL SECTION - PIERS 1 & 3

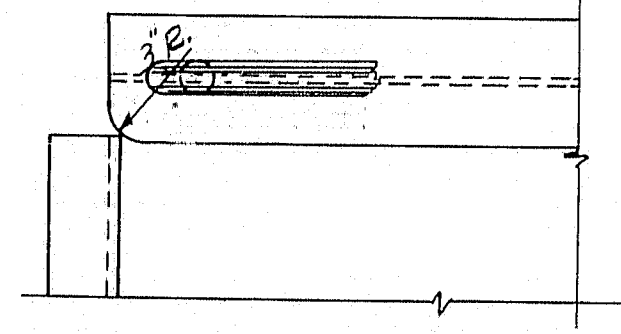


SPlice WELD DETAIL FOR STRINGER WEBS

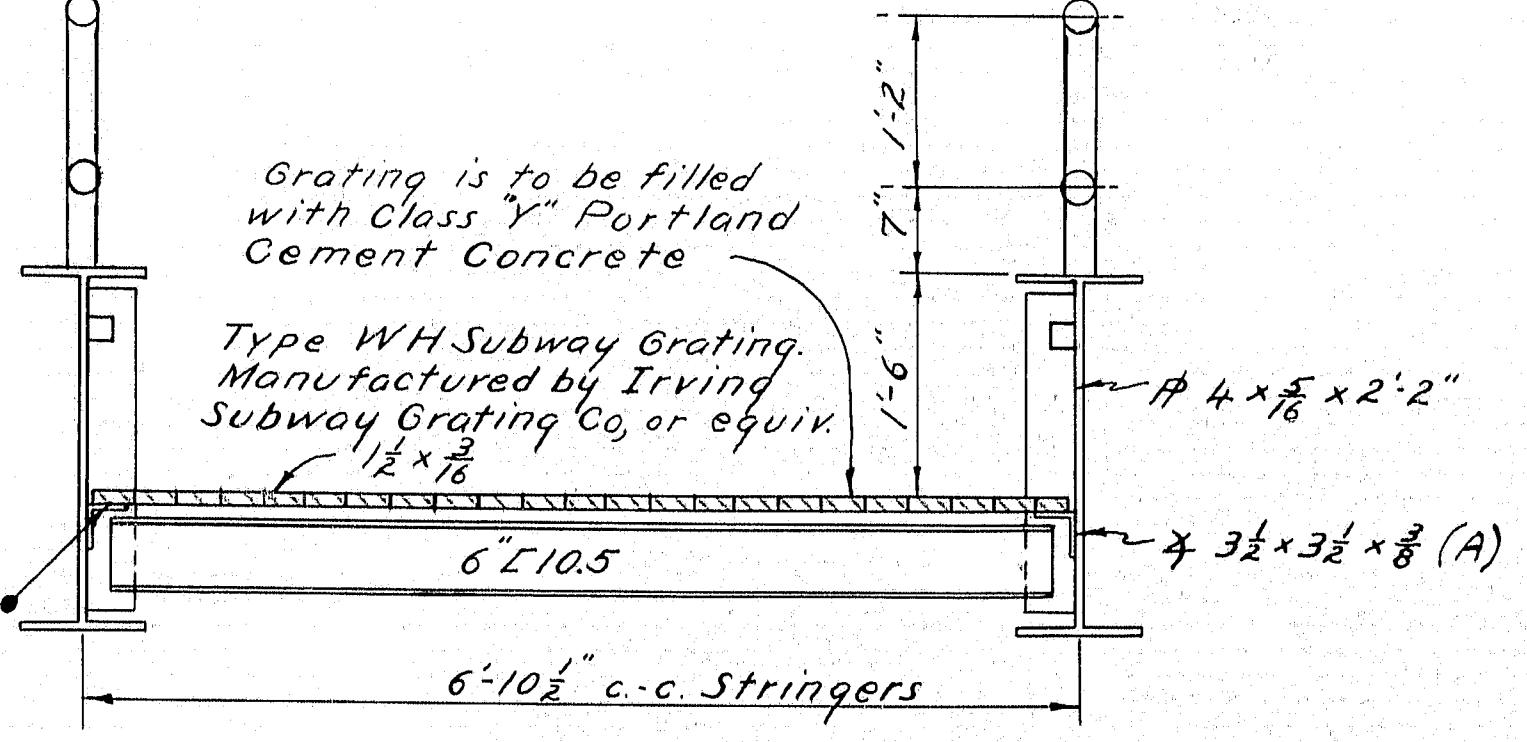
NOTE: In order to insure that the correct distance ($\frac{3}{8}$ ") between beams is maintained for field welding the beams are to be laid out, fitted and match marked in the shop.



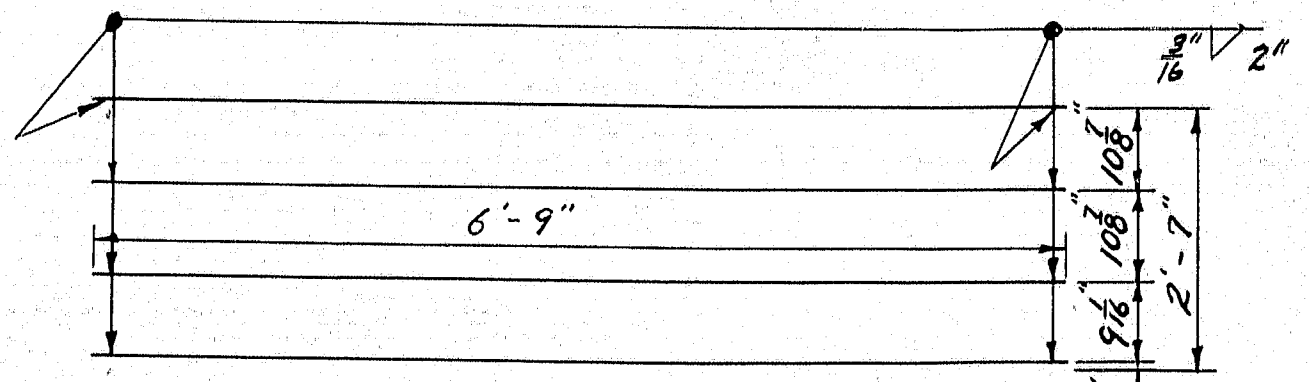
TYPICAL GRATING DETAIL



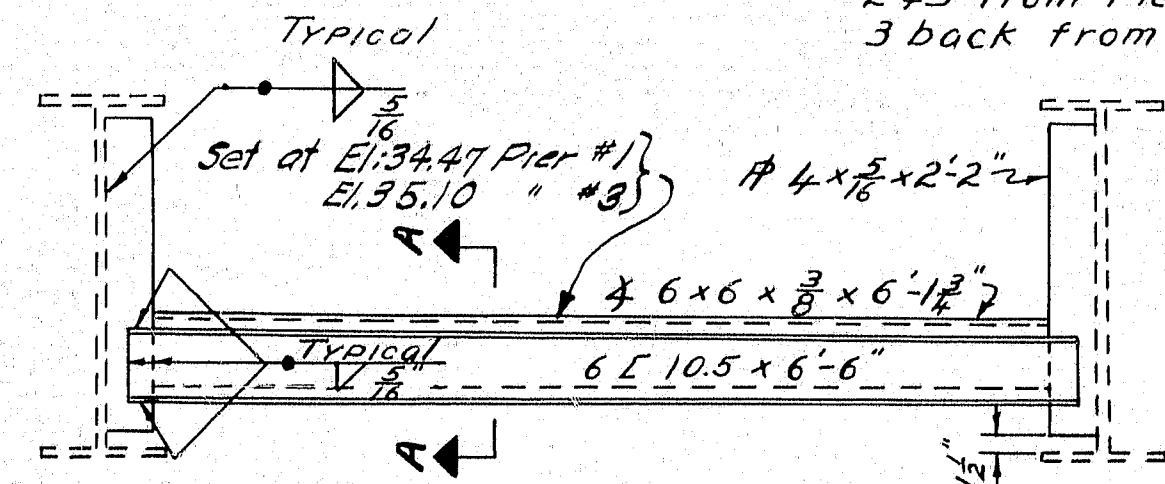
VIEW A-A
Cut 3" radius inside top flanges, and grind top flanges and web smooth. Typical.



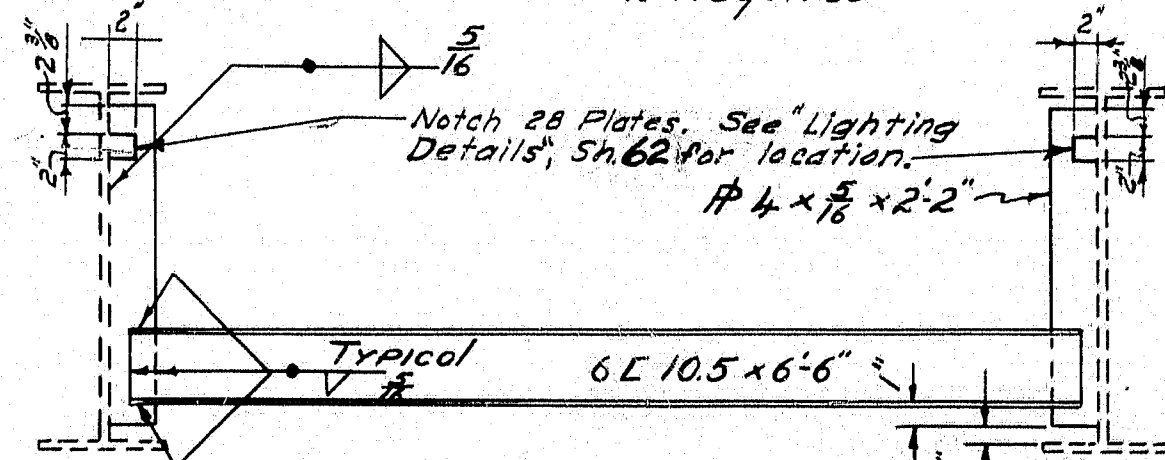
TRANSVERSE SECTION



TYPICAL WELD DETAIL FOR PANELS

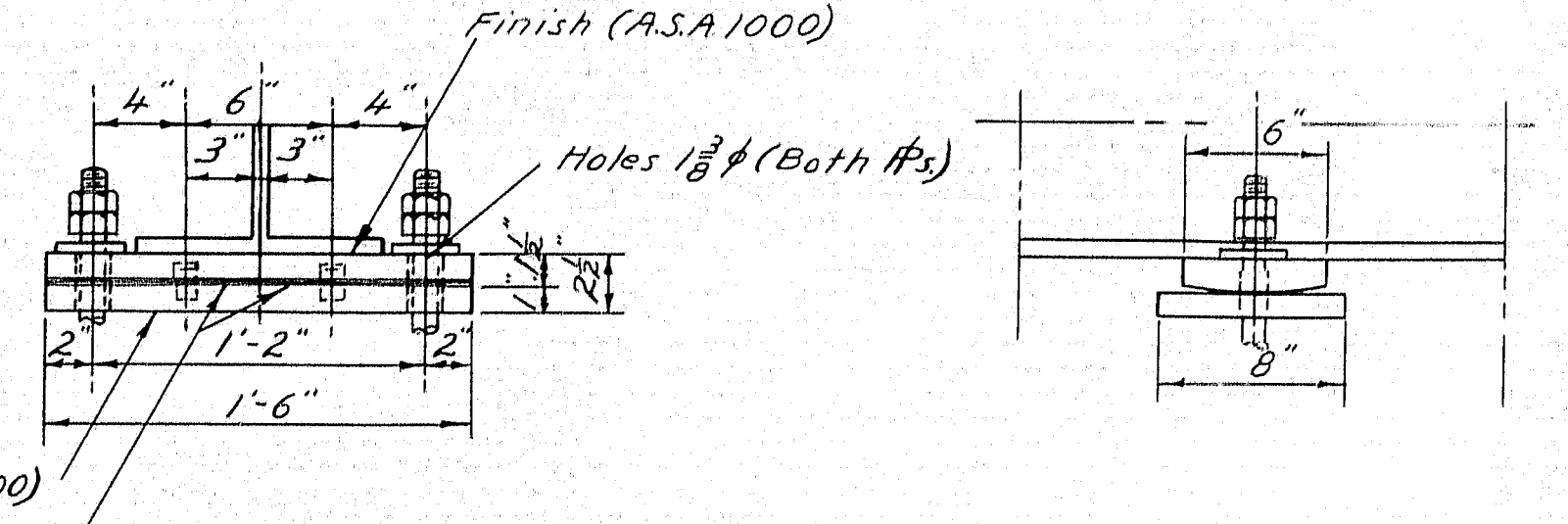


D1
2 Required



D2
16 Required

TYPICAL SECTION - PIER 2

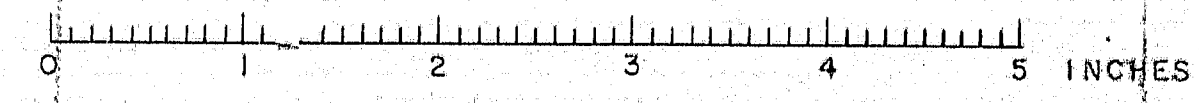


FIXED BEARINGS
2 Required
See Details For Pintle Pins

SPECIFICATIONS: Materials, fabrication and erection shall conform to the "State of Maine, State Highway Commission, Standard Specifications, Highway and Bridges, Revision of January 1956." Design shall conform to the A.A.S.H.O. Standard Specifications for Highway Bridges 1953.
NOTES: The 2 1/2" camber in the 44'-0" beams and any natural camber in the 63' 7 1/2" beams shall be placed with the convex flange up.
The beams and the flange splice plates shall conform to the latest revised specifications for Structural Weldable Steel of the A.S.T.M. Designation A-373.
LIVE LOADING: 85 lbs/sq. ft.

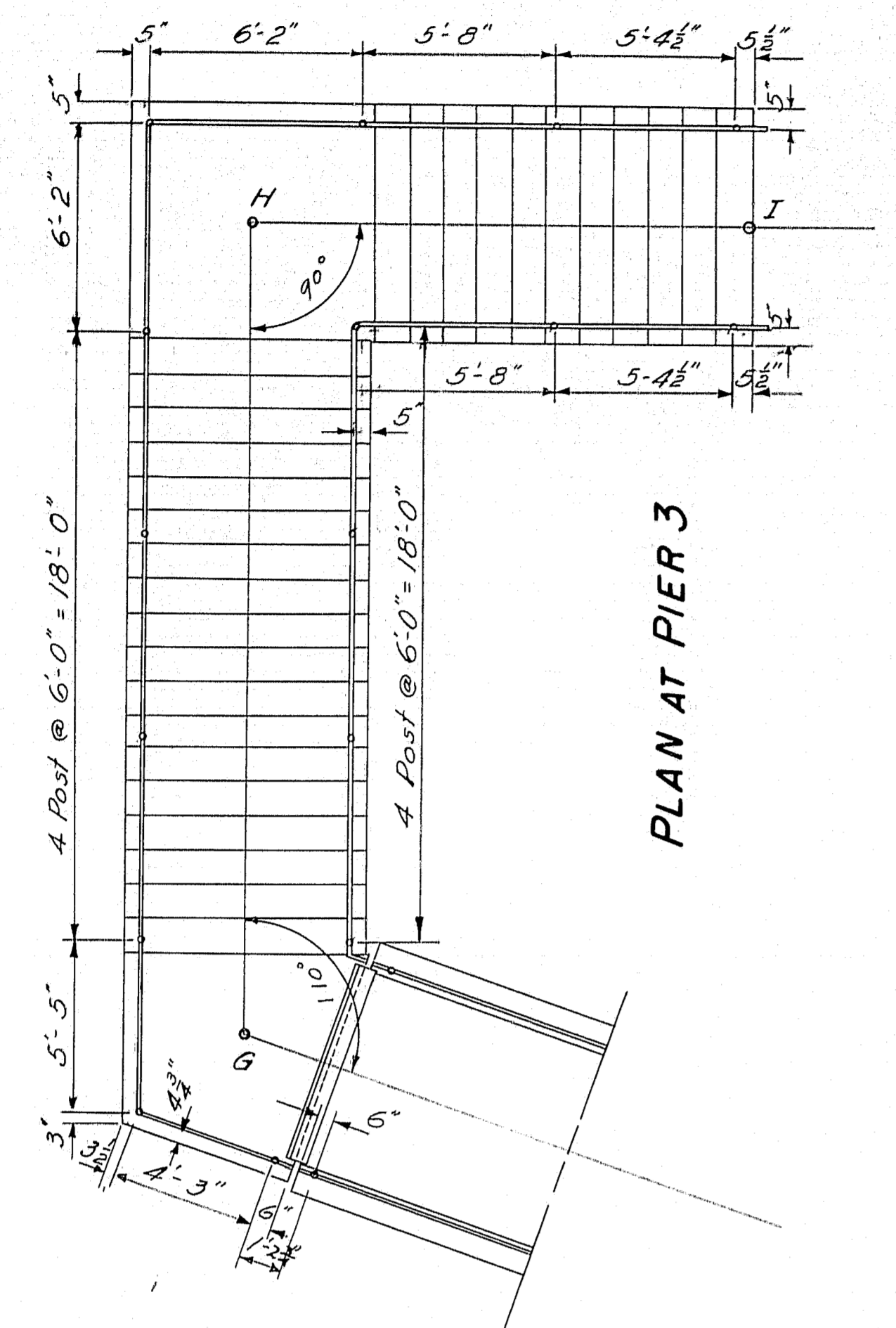
Note: Payment for concrete filling for grid floor shall be included under item 706-15 "Steel Grid Flooring, Concrete Filled Type".
Cement shall be paid for under item 701-47.

DESIGN - LANGFORD TRACE - V. SMITH CHECK - 1/6/52	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
PEDESTRIAN OVERPASS SUPERSTRUCTURE	
SHEET 117 OF 166 AUGUSTA, MAINE OCT. 1957	

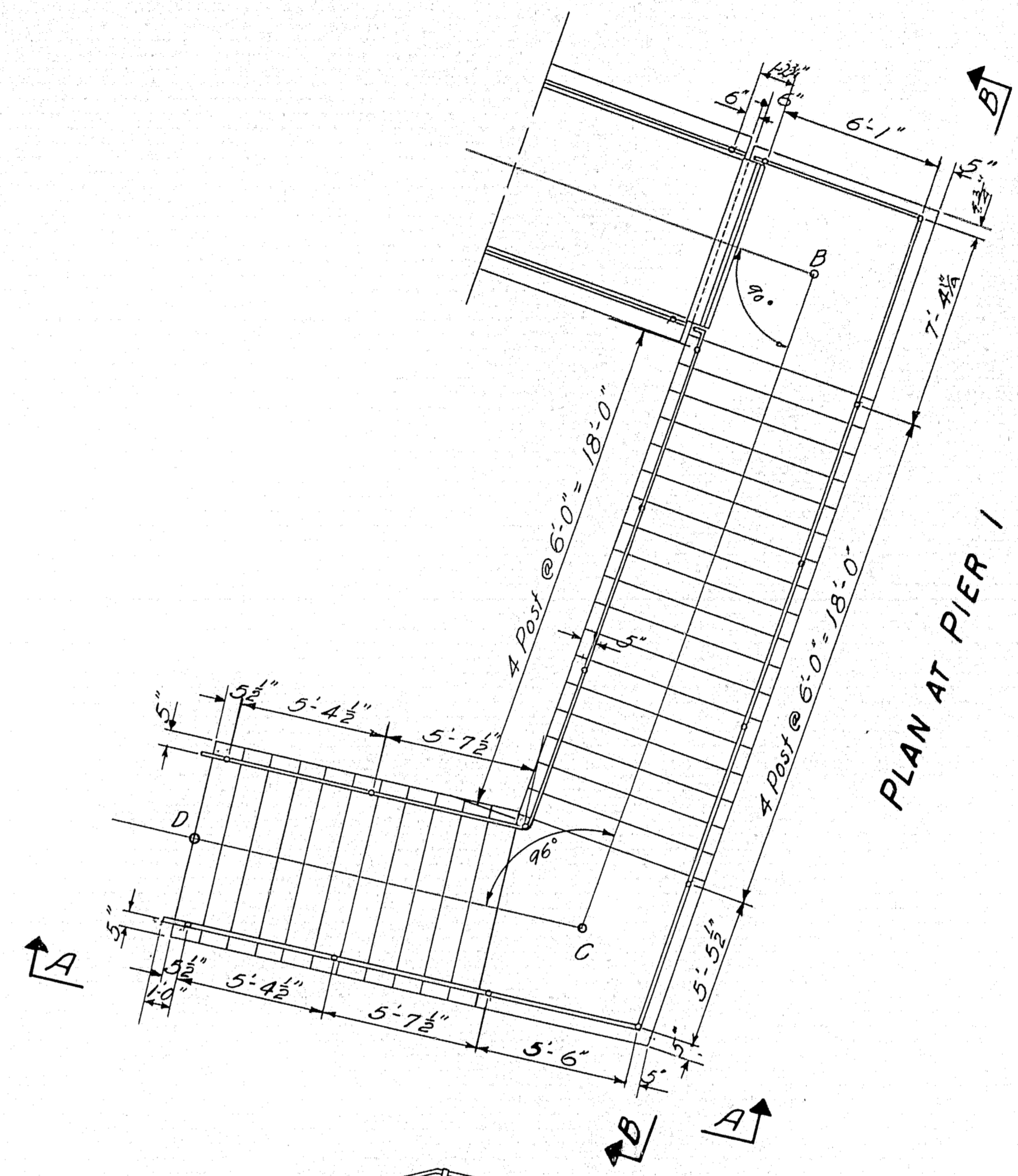


B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-602-144	118	166

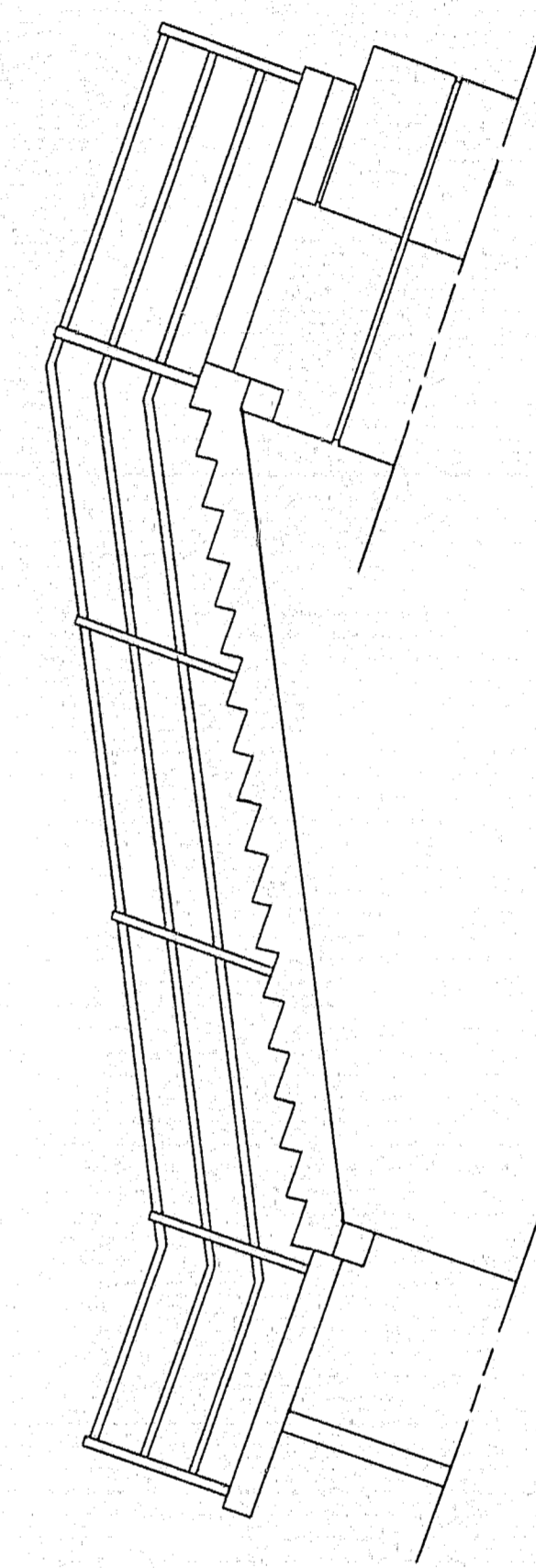
1-895-363 50



PLAN AT PIER 3



PLAN AT PIER 1

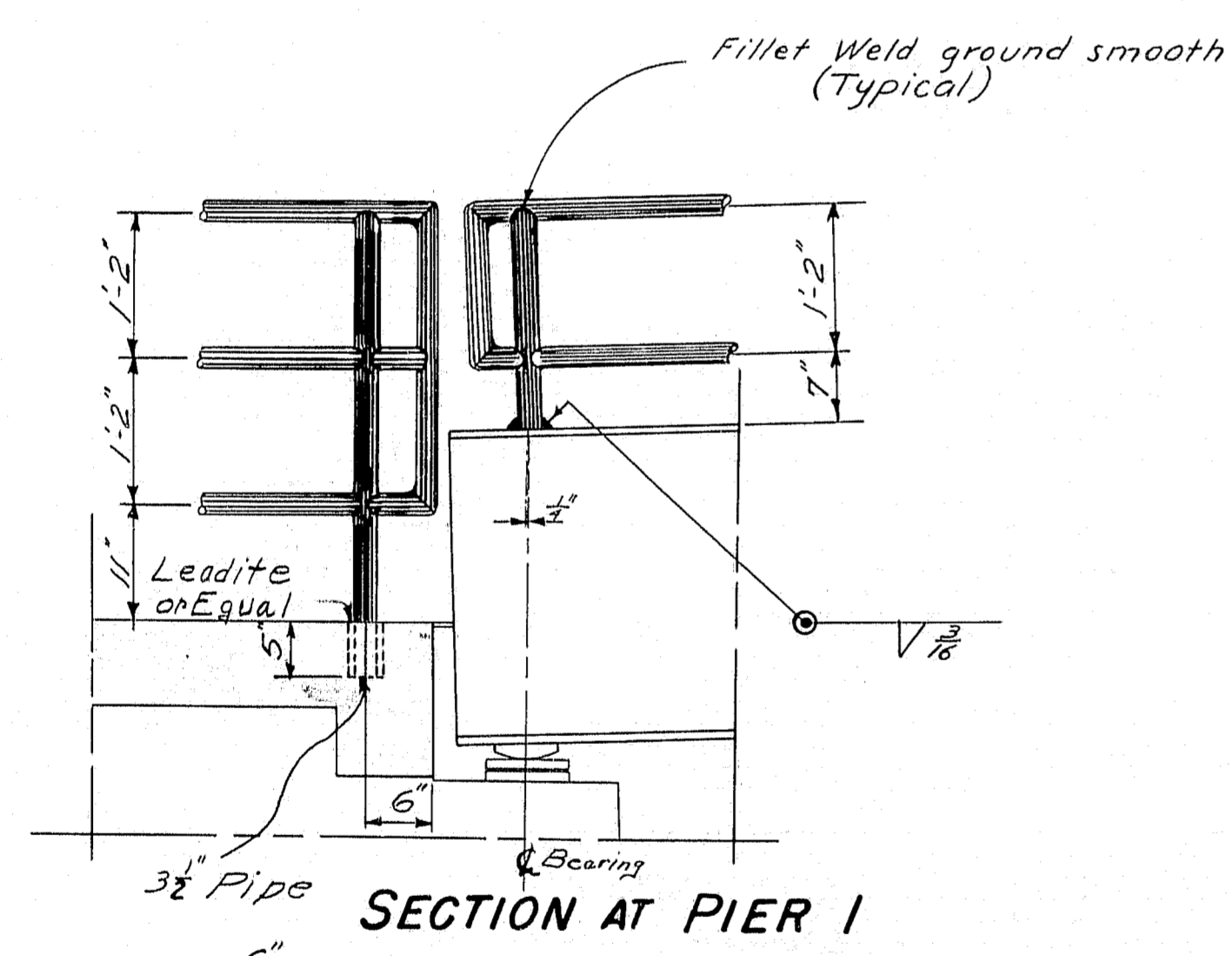


SECTION B-B
PIER 3 SIMILAR

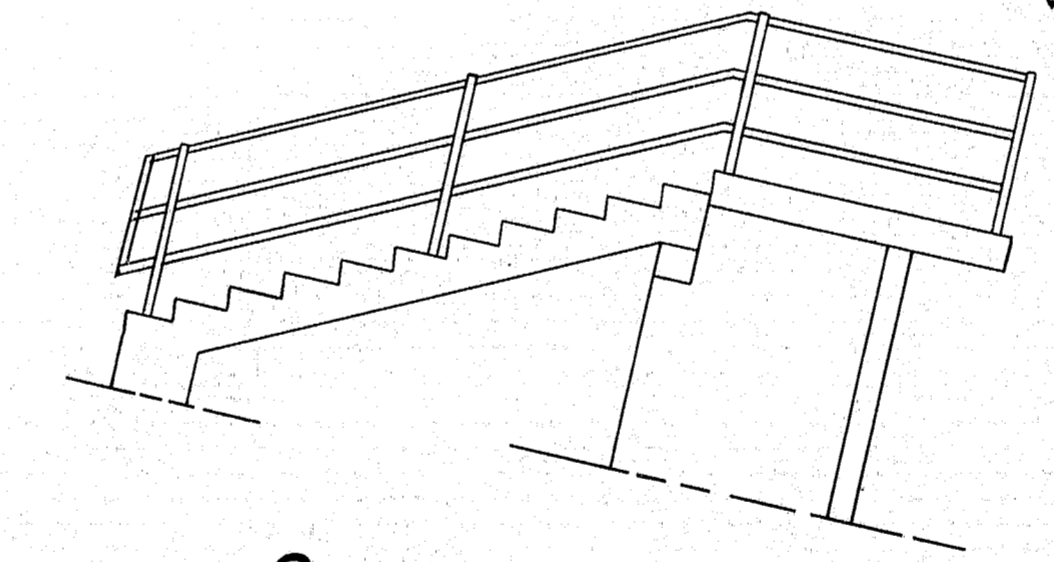
- Coordinates
- Point B (N 64 47.15
E 3071.17
 - Point C (N 64 23.00
E 3066.27
 - Point D (N 64 24.35
E 3052.19
 - Point G (N 64 82.49
E 2896.99
 - Point H (N 65 06.11
E 2893.44
 - Point I (N 65 08.32
E 2907.78

NOTE: Details of rails must be submitted to the Engineer for approval before erection.

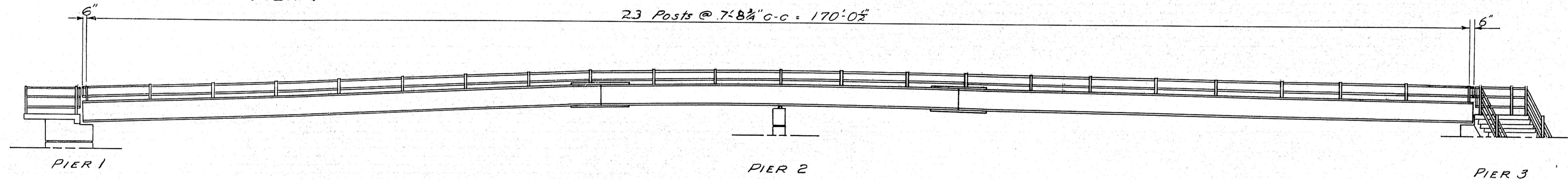
Posts and rail pipe are to be 2" φ extra strong wrought iron or alloy steel. The nail posts on the stairs are to be set with leadite or equal into a 3" sleeve, see details of sleeve. Rail Posts on the Superstructure are to be erected normal to the tops of the stringers and welded to them. Stairs are not to be built until the Rail Details have been approved. Payment for furnishing and setting 3" sleeves to be included under Item 805-11 "Pipe Rail".



SECTION AT PIER 1

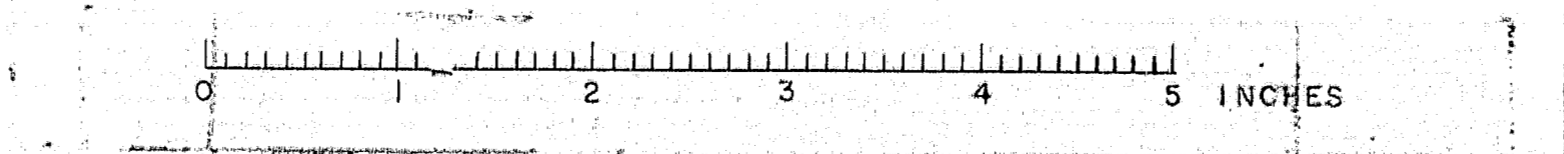


SECTION A-A
PIER 3 SIMILAR



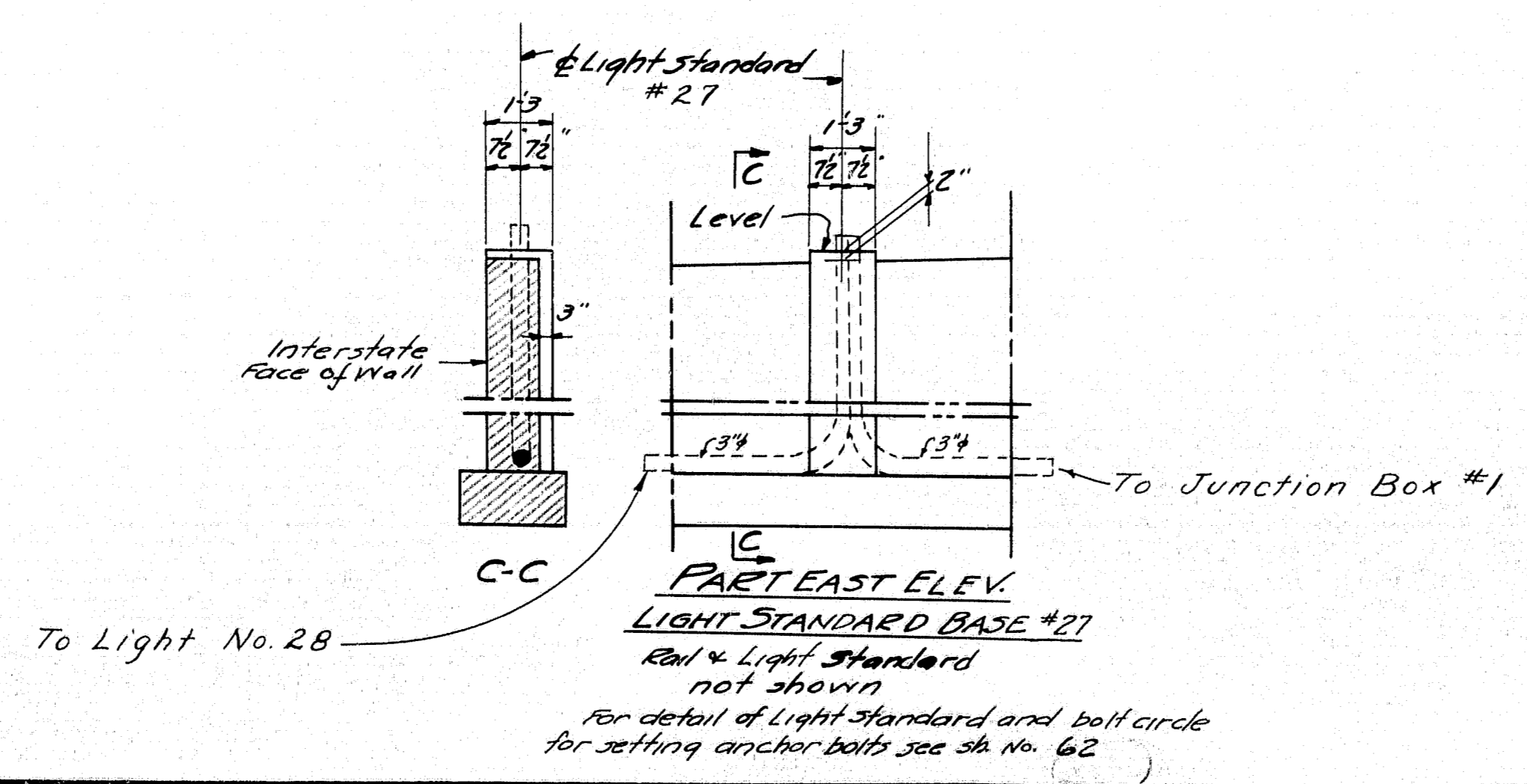
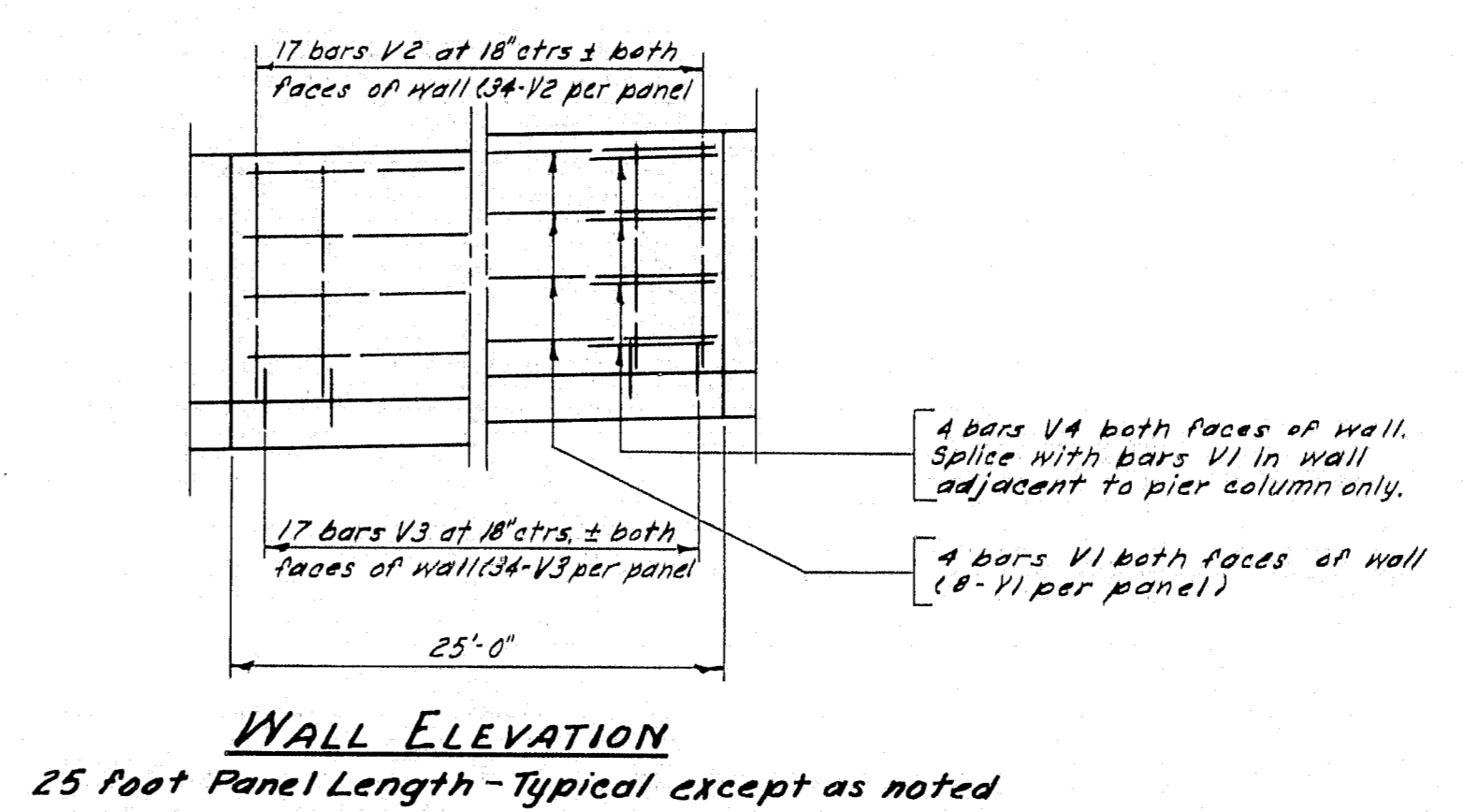
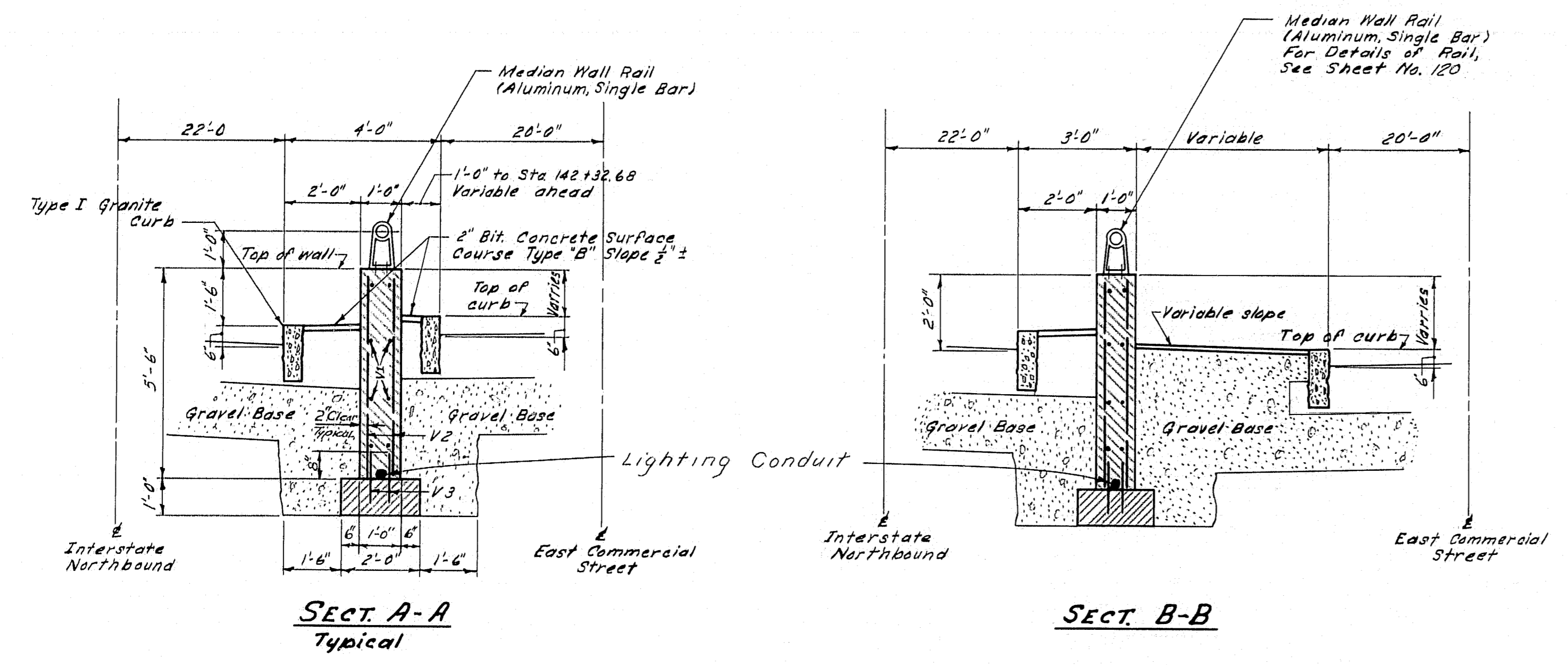
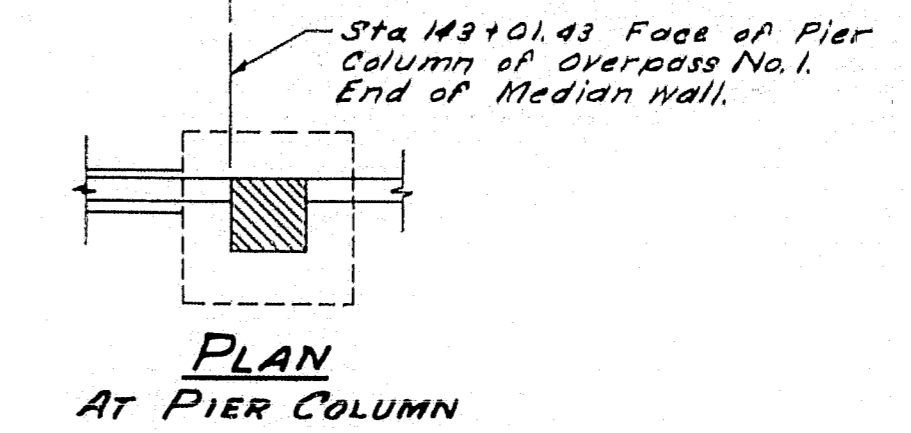
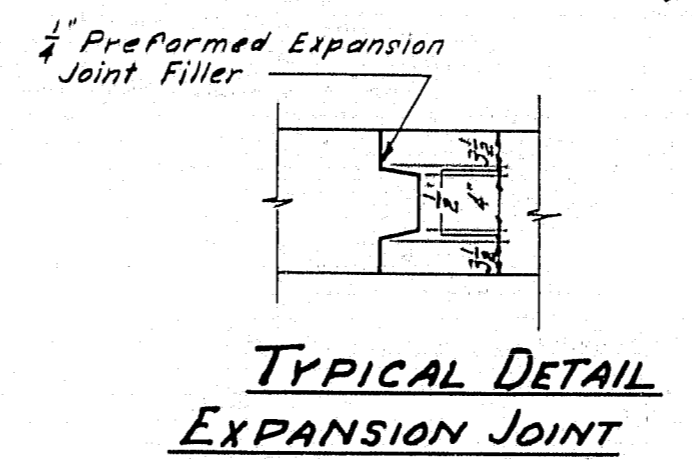
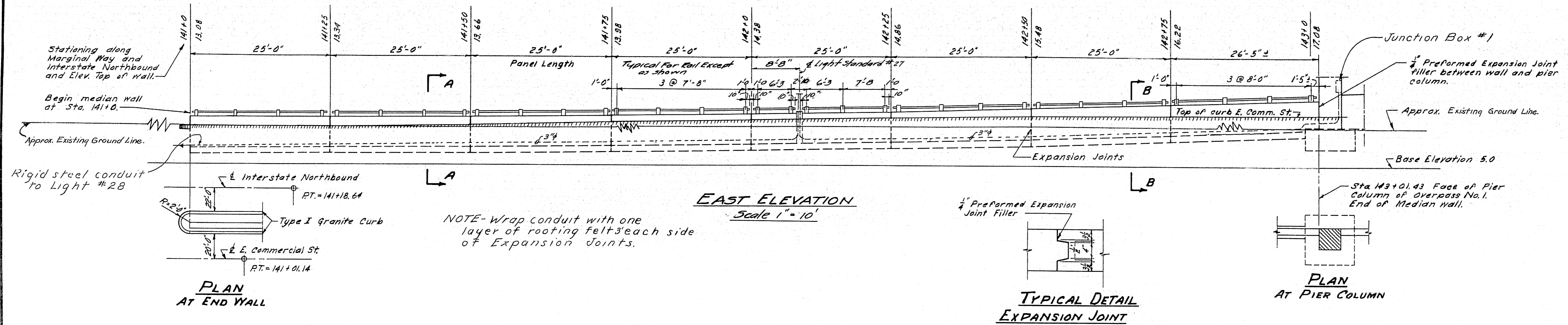
RAIL ON SUPERSTRUCTURE LOOKING SOUTH

DESIGN - LANGFORD	BRIDGE NO.
TRACE - SAVAGE	SURVEY -
CHECK - HERR	PILOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
PEDESTRIAN OVERPASS	
RAIL DETAILS	
SHEET 118 OF 166	AUGUSTA, MAINE OCT. 1957



S. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	1-868-144	119	166

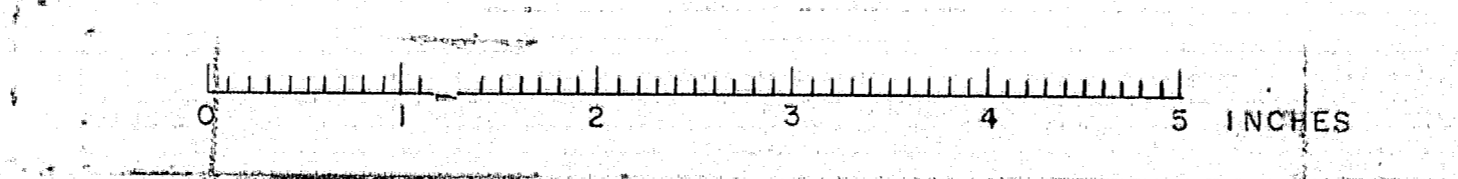
1-868-363 60

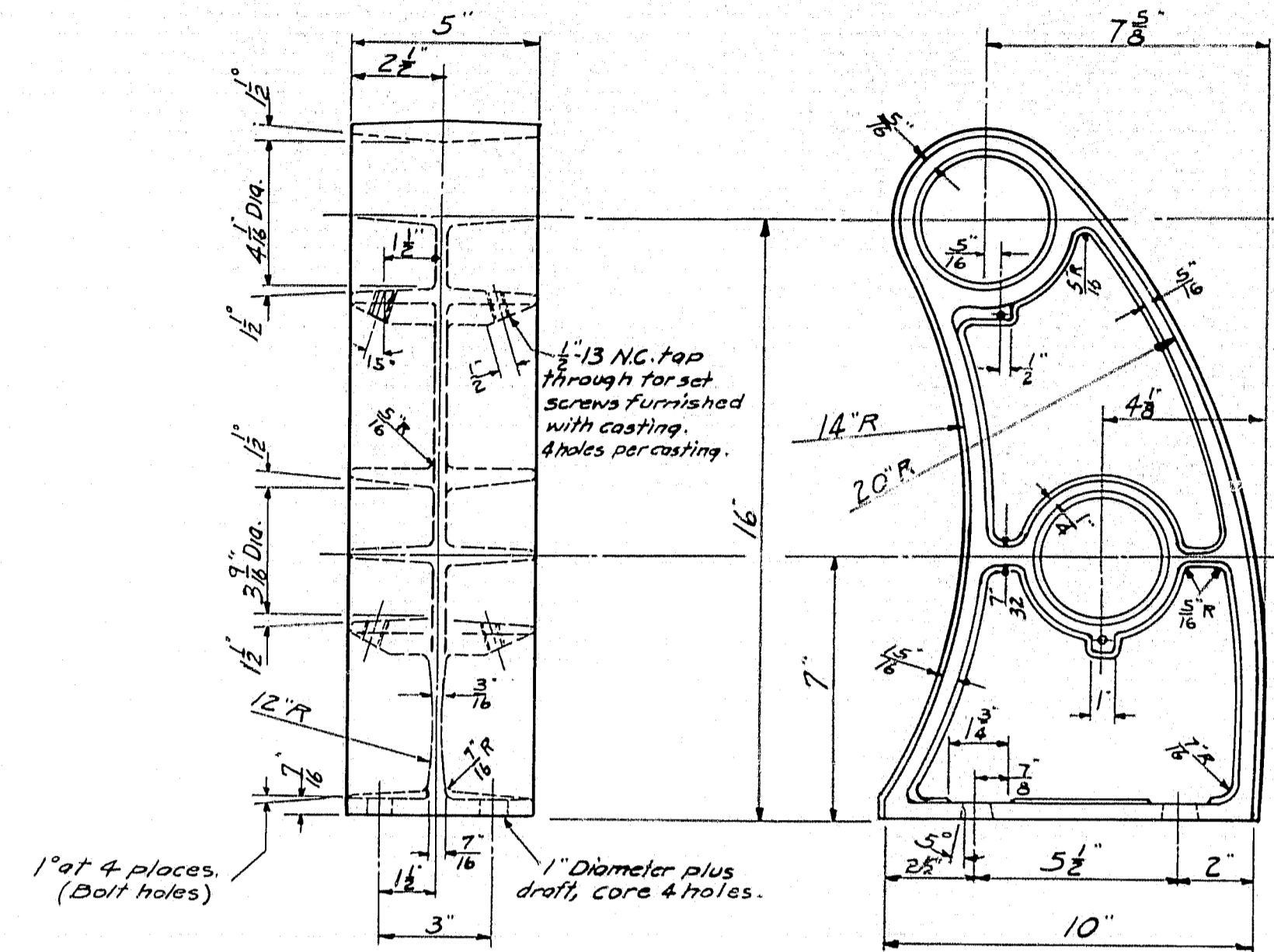


DESIGN - EVERETT	BRIDGE NO.
TRACE - AULT	SURVEY -
CHECK - <i>Benjamin</i>	PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
CONCRETE MEDIAN WALL
MEDIAN WALL RAIL

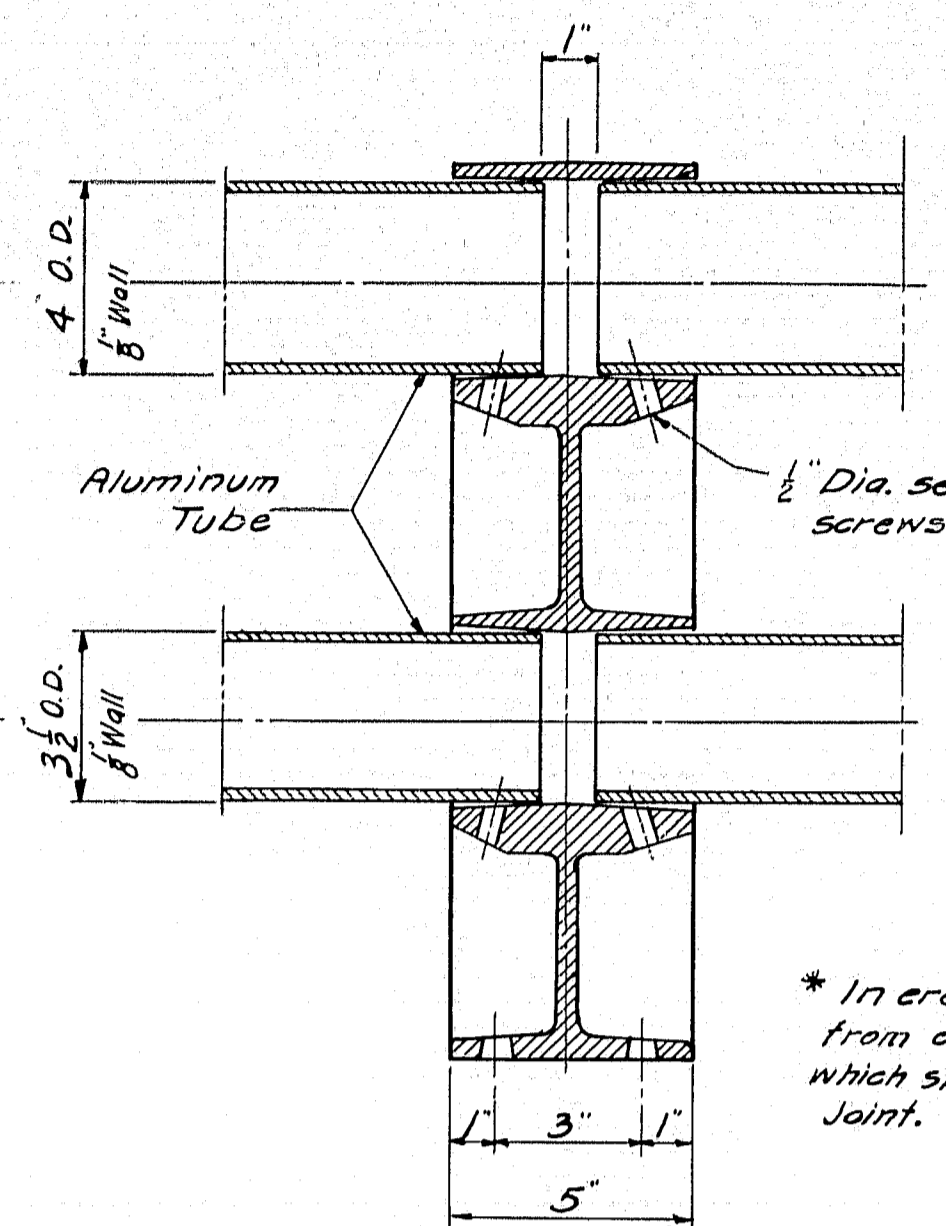
SHEET 119 OF 166 AUGUSTA, MAINE OCT. 1957





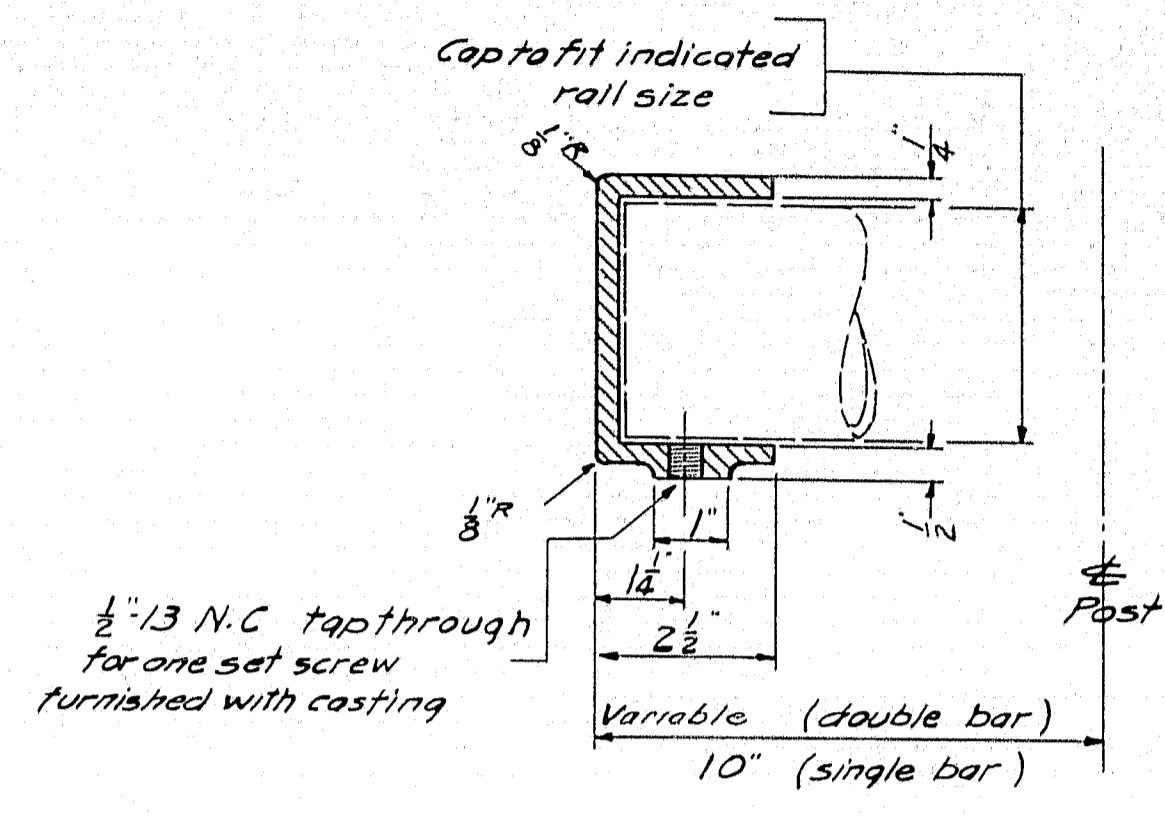
RAIL POST DETAIL

4 - 3/8" x 12" Aluminum anchor bolts for each post.

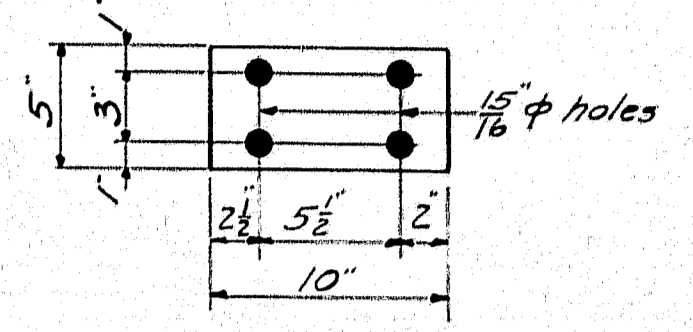


SECTION

ALUMINUM RAIL - DOUBLE BAR
For Overpasses 1 and 2

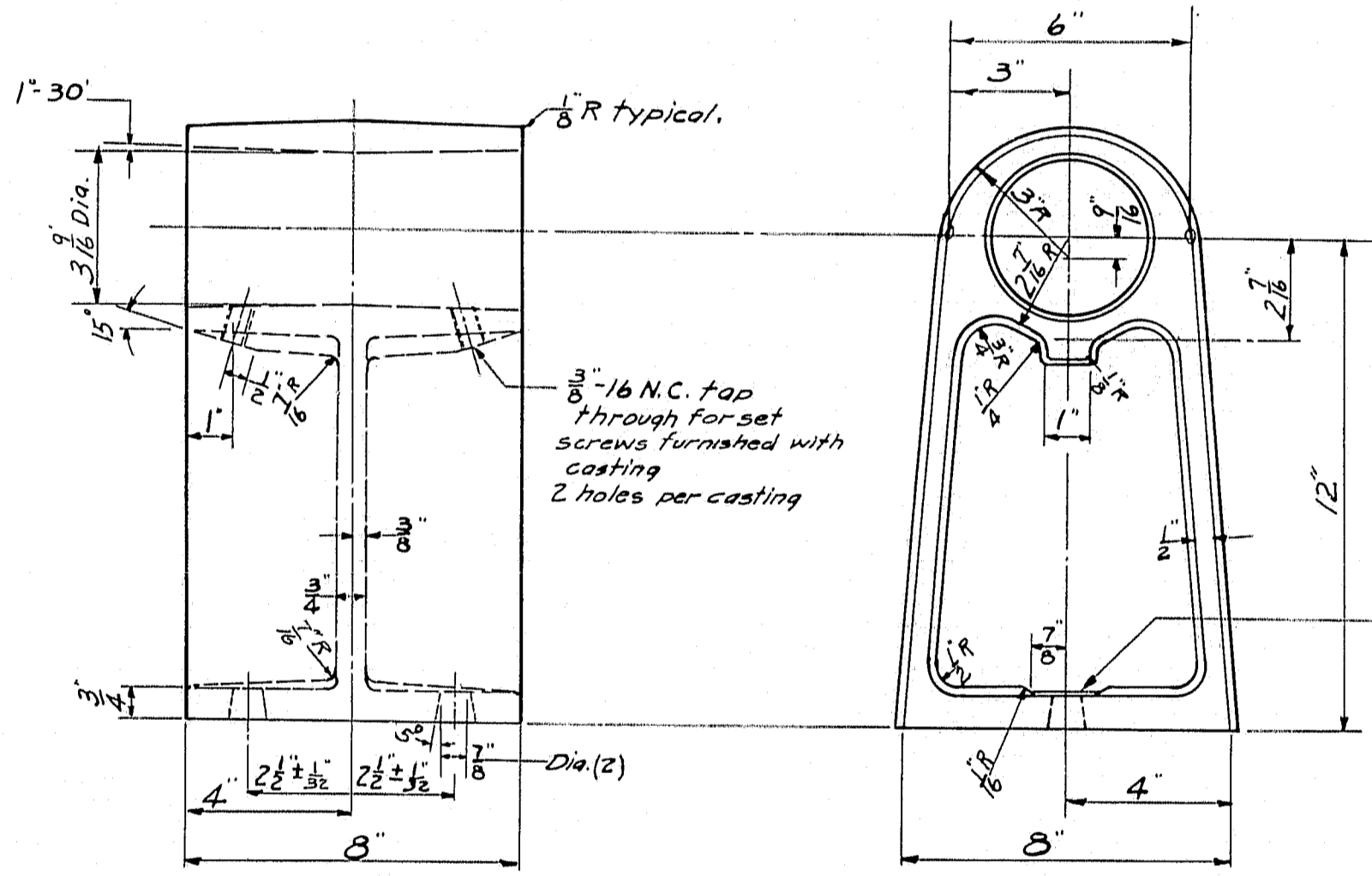


RAIL CAP DETAIL
(Typical)



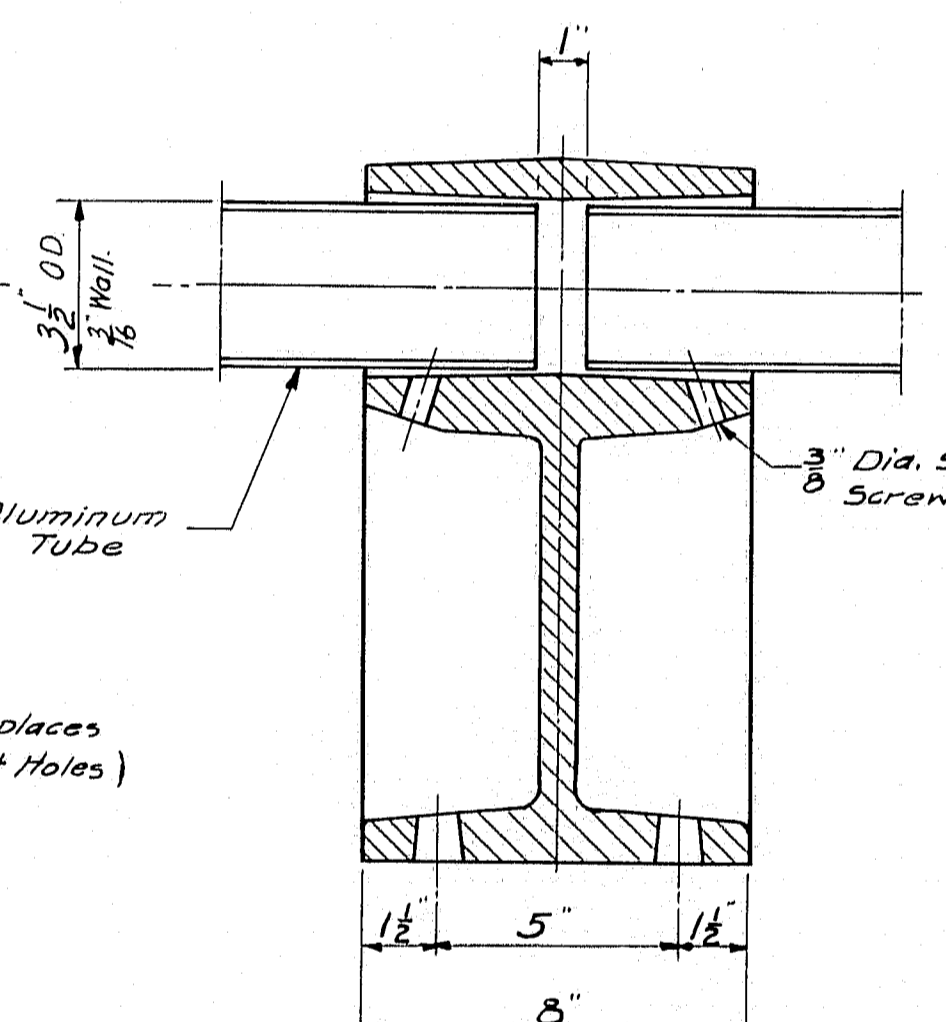
SHIM

Aluminum Alloy 5" x 1/8" x 0.10"
To be used and/or cut as necessary. Furnish in the amount of 50 percent of posts required.



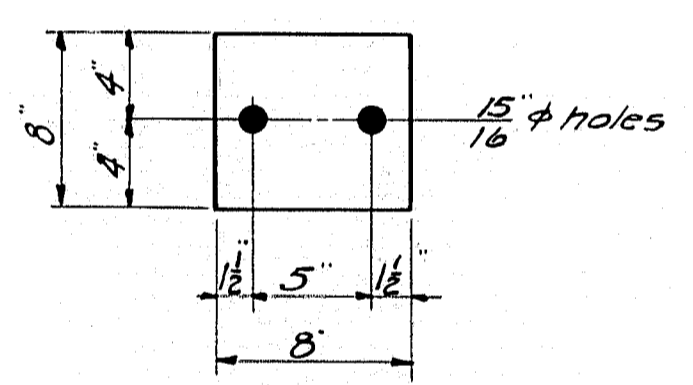
RAIL POST DETAIL

2 - 3/8" x 12" Aluminum anchor bolts for each post.



SECTION

ALUMINUM RAIL - SINGLE BAR
(For Median Wall)



SHIM

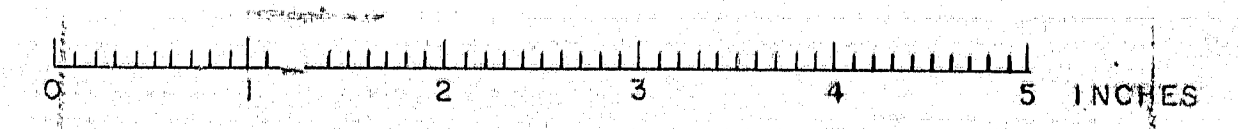
Aluminum alloy 8" x 1/8" x 0.5"
To be used and/or cut as necessary. Furnish in the amount of 50 percent of posts required.

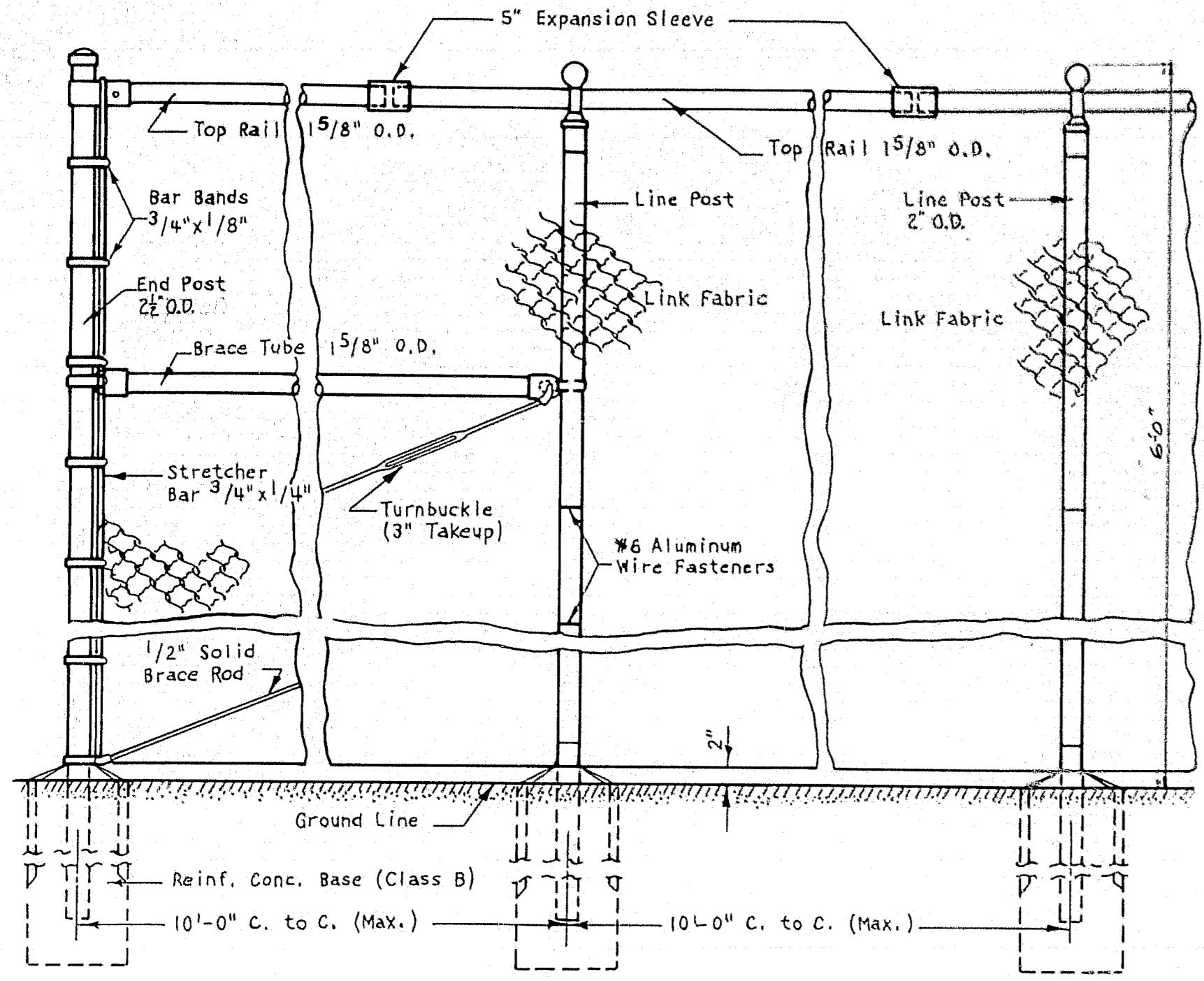
NOTE

All Rail dimensions shown on these plans are horizontal.
Rails to be parallel to grade.
Substitutions may be made provided they are approved by the Engineer.
All material in rails to be aluminum alloy. Complete rail Details shall be furnished by the Contractor before fabrication is started.

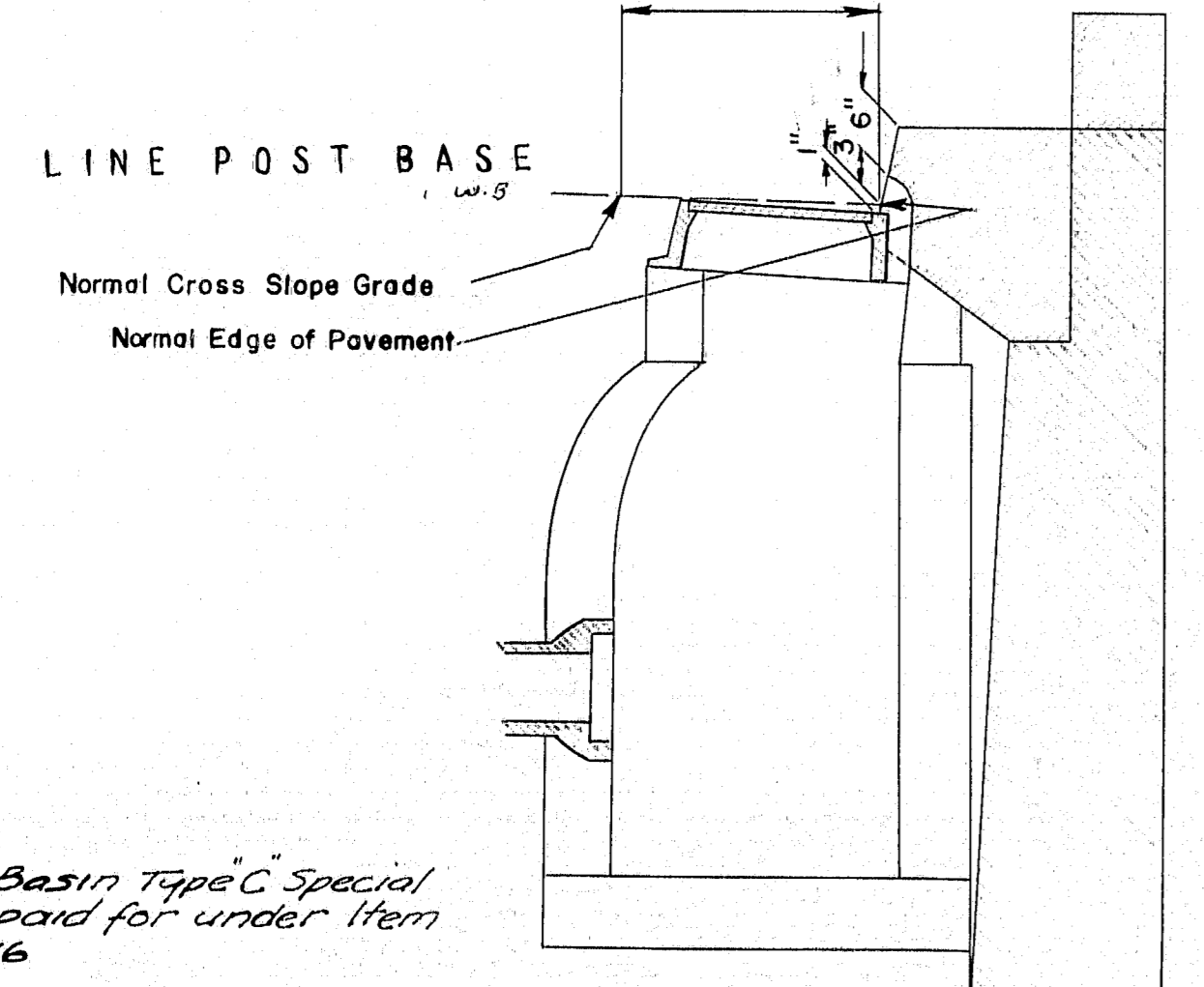
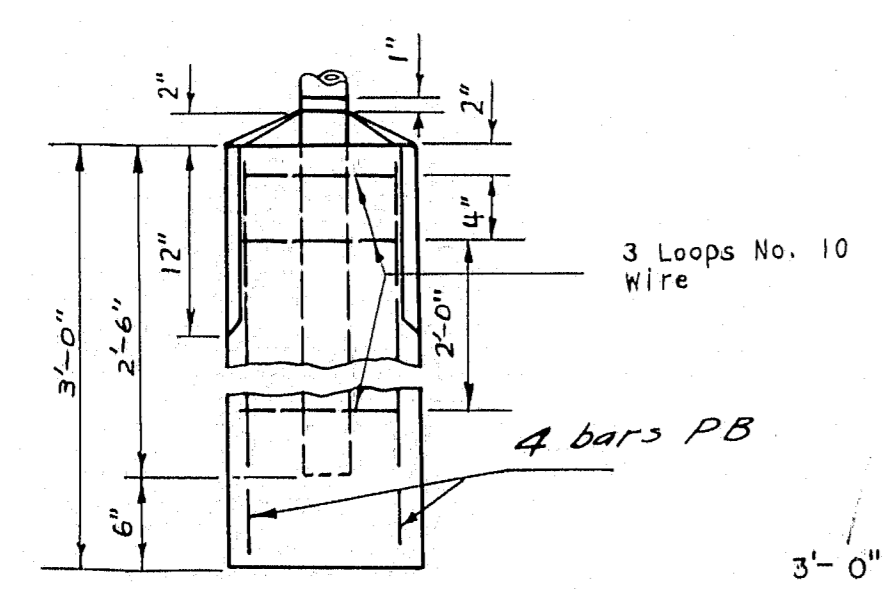
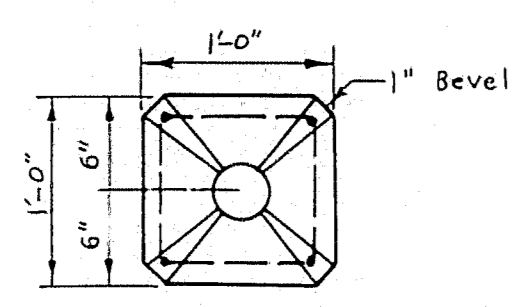
DESIGN - DET. MOLLICONE	BRIDGE NO.
TRACE - JONES	SURVEY -
CHECK -	PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
RAIL DETAILS, OVERPASSES
AND MEDIAN WALL
SHEET 120 OF 166 AUGUSTA, MAINE OCT. 1957



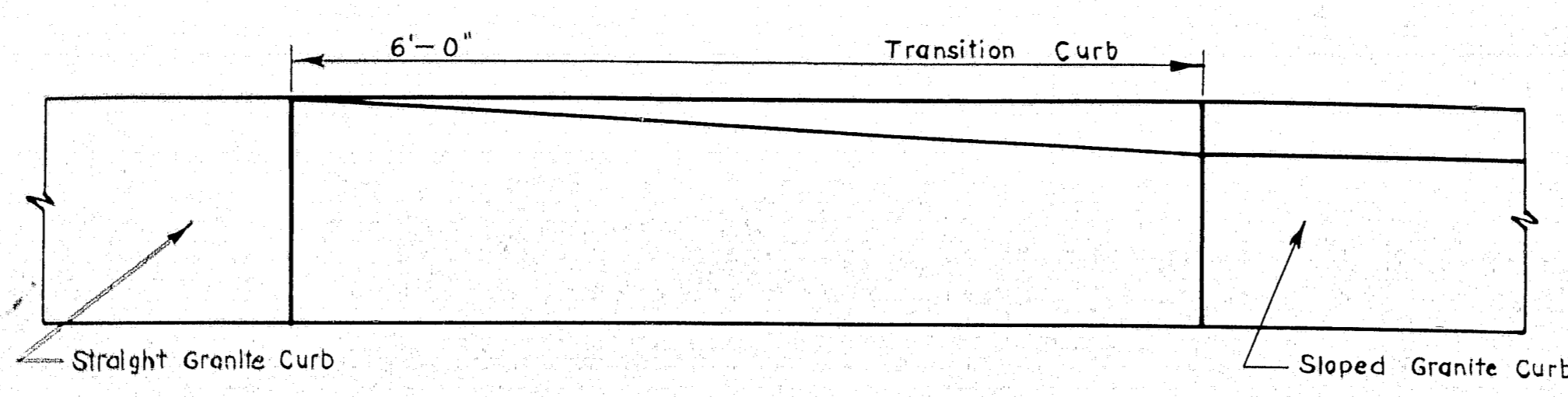


CHAIN LINK FENCE
L.W.B.

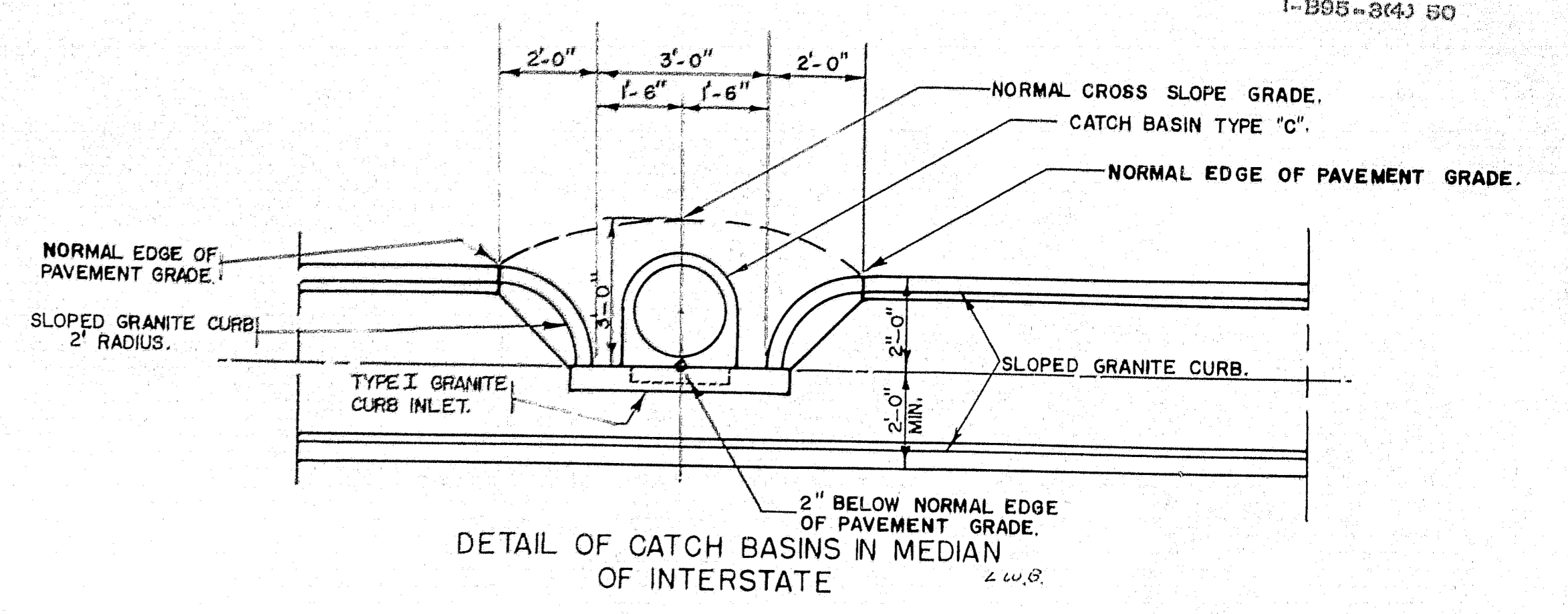


CATCH BASIN TYPE "C" SPECIAL
V.A.B.P.

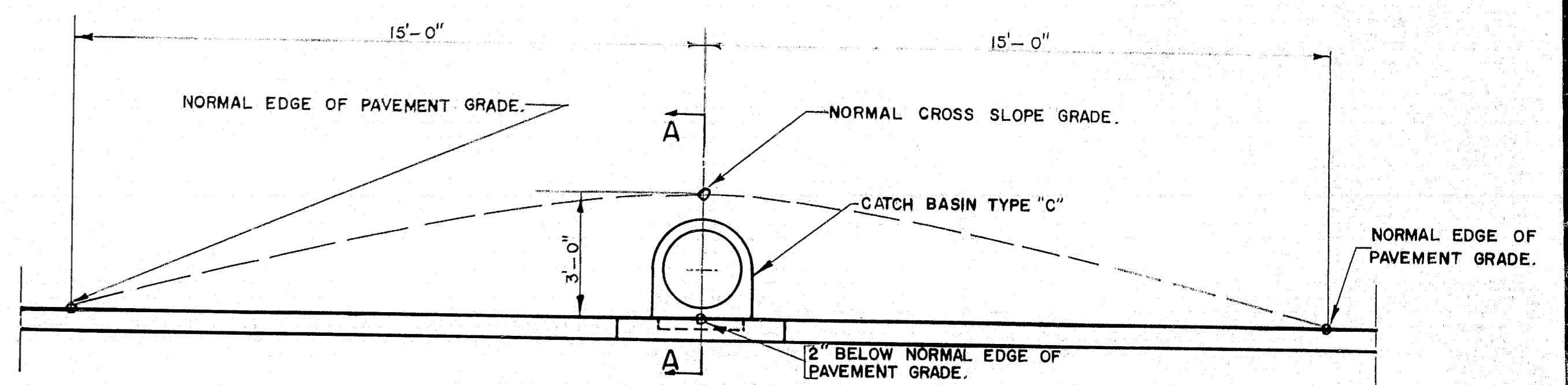
Catch Basin Type C Special to be paid for under Item 605-16



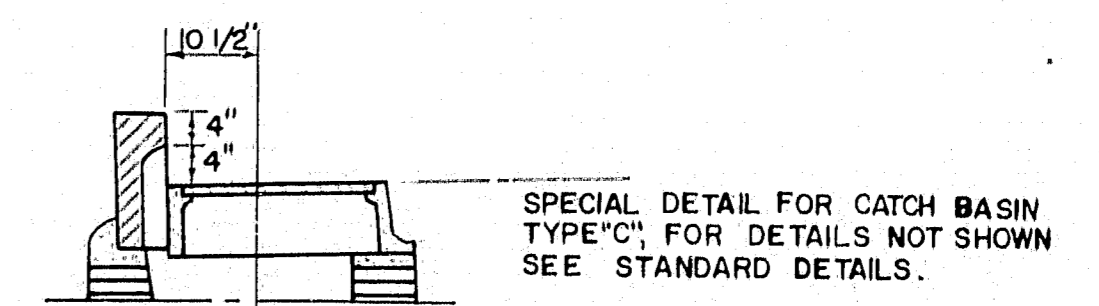
FACE VIEW
GRANITE TRANSITION CURB
L.W.B.
Payment for Granite Transition Curb to be made under Item 901-12 "Sloped Granite Curb."



DETAIL OF CATCH BASINS IN MEDIAN OF INTERSTATE
L.W.B.



DETAIL OF DEPRESSING PAVEMENT TYPE "C" CATCH BASINS VERTICAL CURB AREA
L.W.B.



CATCH BASIN TYPE-C
A-A
L.W.B.

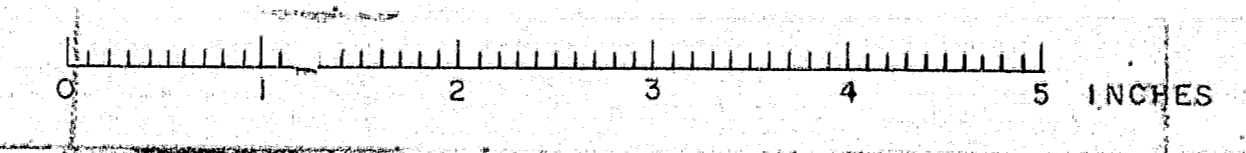
NOTE: ALL FITTINGS ARE TO BE FURNISHED IN AS SHORT LENGTHS AS POSSIBLE BUT WITH SUFFICIENT LENGTH FOR ATTACHING STANDARD CONNECTING BANDS.

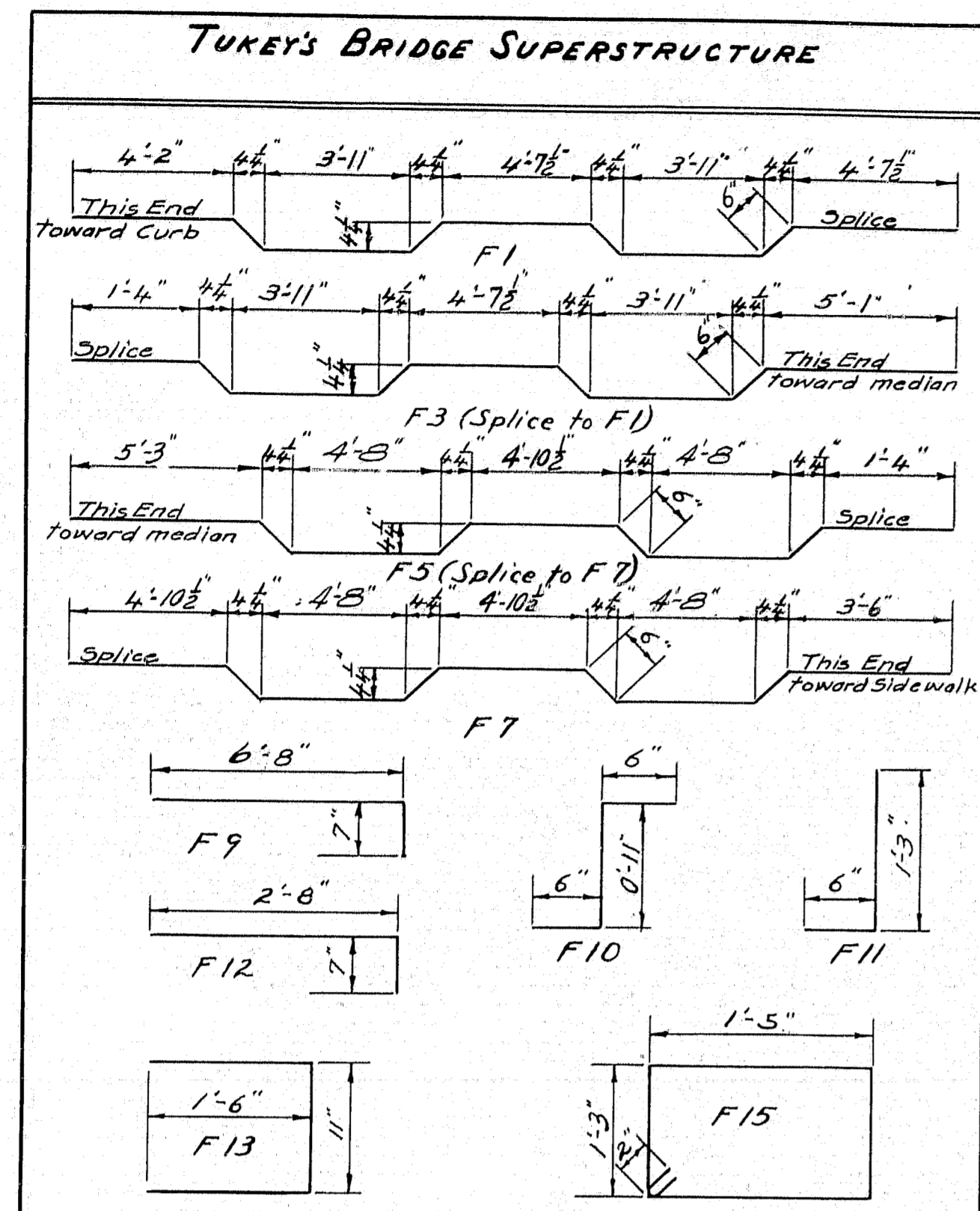
3-PIECE ELBOW FOR DRAINAGE PIPE
V.M.C.R.

PIPE SLOPE	ANGLE X
.000 TO .131	0°
.132 TO .221	10°
.222 TO .315	15°
.316 TO .414	20°
.415 TO .520	25°
.521 TO .637	30°

FOR PIPE SLOPES SEE "DRAINAGE PROFILES"

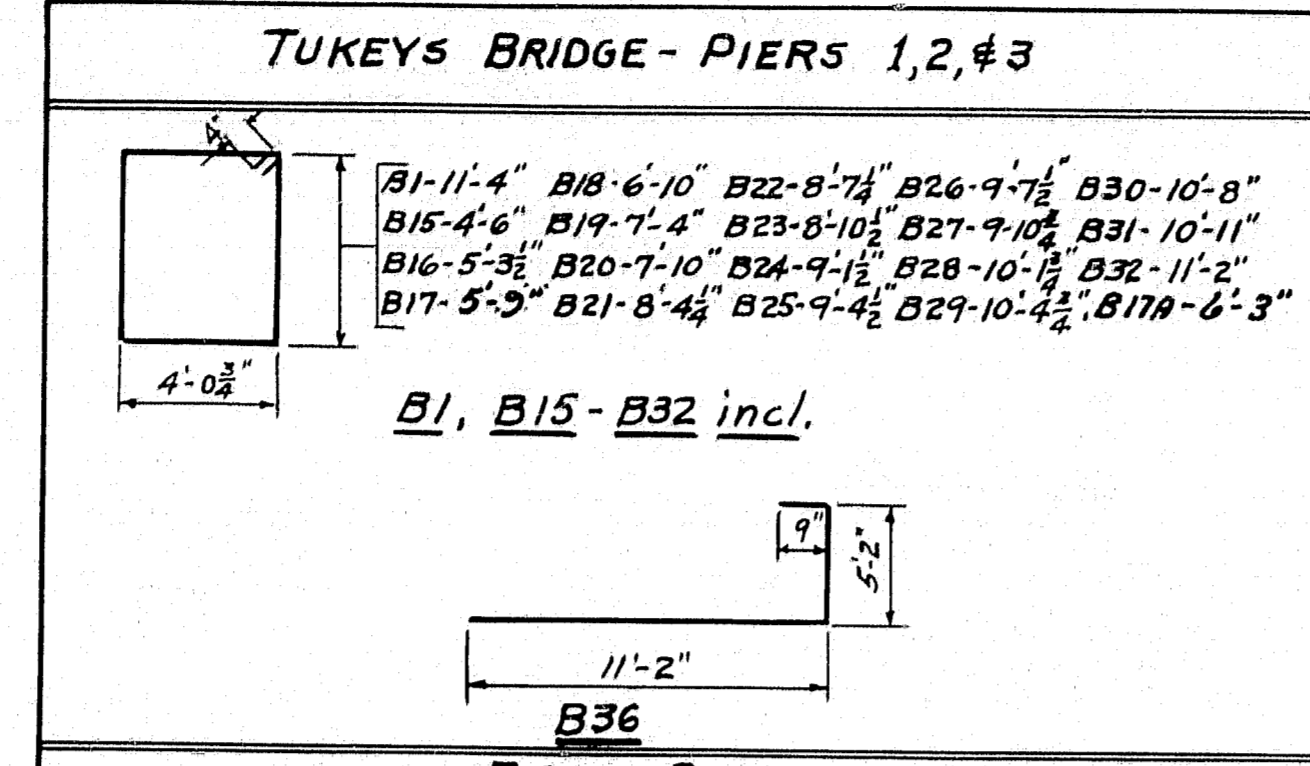
DESIGN-DET. GARDNER. TRACE-GARDNER. CHECK-As Noted	BRIDGE NO. SURVEY PLOT
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
SPECIAL DETAILS	
SHEET 121 OF 166 AUGUSTA, MAINE OCT. 1957	





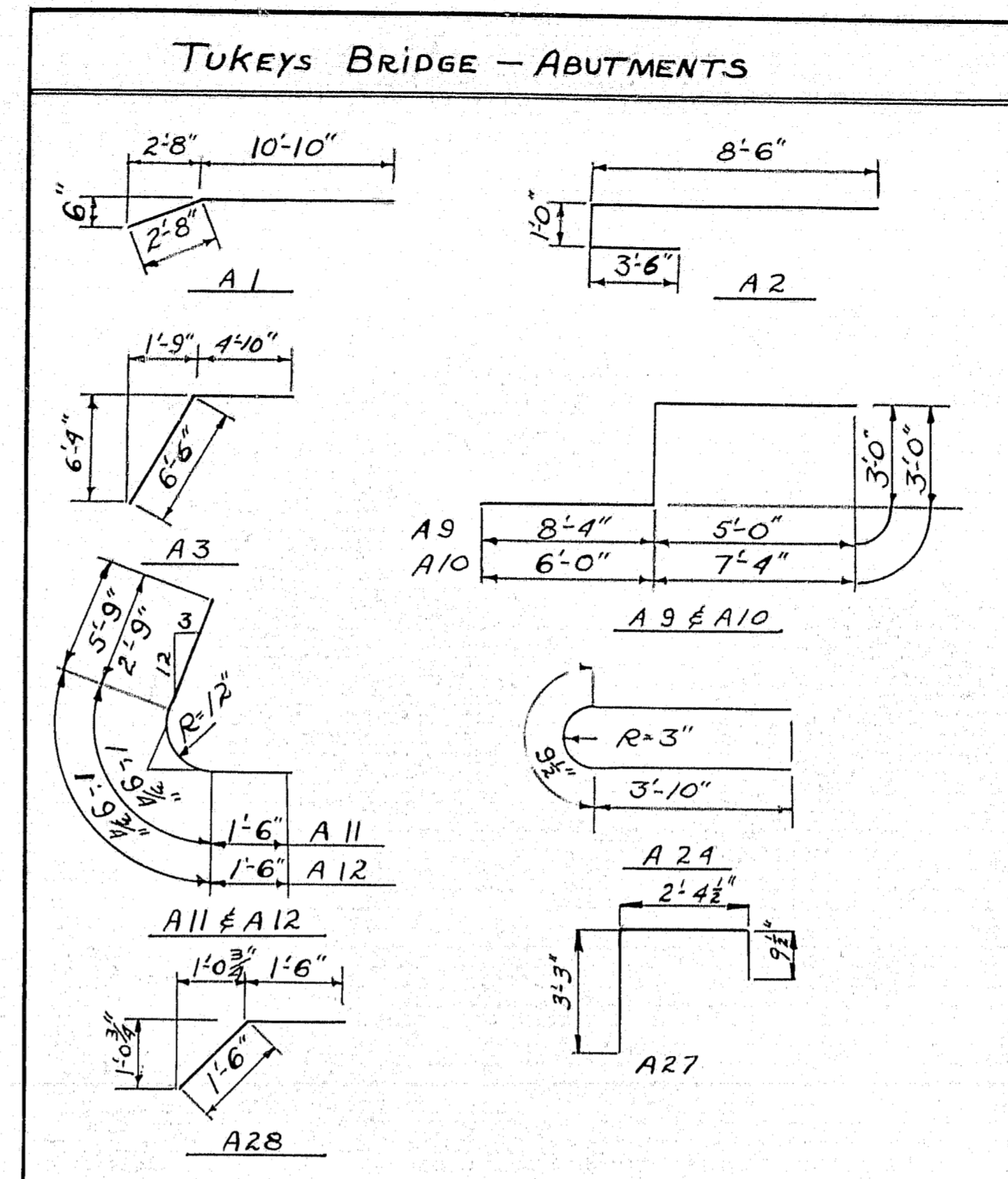
MARK	SIZE	NO.	LENGTH	LOCATION
F1	#6	500	23'-3"	SLAB PANELS A1, A2, B1, B2, C1, C2
F3	#6	500	20'-10 1/2"	" " A1, A2, B1, B2, C1, C2
F5	#6	500	22'-9 1/2"	" " D, E, F, D1 & F1
F7	#6	500	24'-7"	" " D, E, F, D1 & F1
F9	#5	502	7'-3"	SIDEWALK
F10	#5	1000	1'-11"	SIDEWALK & CURB
F11	#5	496	1'-9"	"
F12	#5	502	3'-3"	CURB
F13	#4	18	3'-11"	LIGHT POST BASES
F15	#4	1004	5'-8"	MEDIAN CURBS

MARK	SIZE	NO.	LENGTH	LOCATION
F2	#6	996	23'-0"	SLAB PANELS A1, A2, B1, B2, C1, C2
F4	#6	996	20'-0"	" " A1, A2, B1, B2, C1, C2
F6	#6	996	23'-3"	" " D, E, F, D1 & F1
F8	#6	996	23'-0"	" " D, E, F, D1 & F1
F14	#5	15	3'-0"	LIGHT POST BASES
F16	#4	210	24'-8"	SIDEWALK, CURB & MEDIAN, PANELS B1, B2 & E
F17	#4	30	18'-8"	" " A1 & D @ ABUT. 1 & 2
F18	#4	60	19'-2"	" " C, F, C1, F1
F19	#5	1862	24'-8"	SLAB PANELS B1, B2 & E
F20	#5	266	18'-3"	" " A1 & D @ ABUT. 1 & 2
F21	#5	532	19'-2"	" " C, F, C1, F1
F22	#4	30	17'-8"	SIDEWALK, CURB & MEDIAN PANELS AND PIER 1 & 3
F23	#5	266	17'-8"	SLAB PANELS A & D @ PIERS 1 & 3



MARK	SIZE	NUMBER				LENGTH	LOCATION
		PIER 1	PIER 2	PIER 3	TOTAL		
B1	#6	54	54	54	162	31'-6"	Cap
B15		4	4	4	12	17'-10"	
B16		4	4	4	12	19'-5"	
B17		4	4	4	12	20'-4"	
B18		4	4	4	12	22'-6"	
B19		4	4	4	12	23'-6"	
B20		4	4	4	12	24'-5"	
B21	#6	4	4	4	12	25'-6"	
B22		4	4	4	12	26'-0"	
B23		4	4	4	12	26'-7"	
B24		4	4	4	12	27'-1"	
B25		4	4	4	12	27'-7"	
B26		4	4	4	12	28'-1"	
B27		4	4	4	12	28'-7"	
B28		4	4	4	12	29'-1"	
B29		4	4	4	12	29'-7"	
B30		4	4	4	12	30'-2"	
B31		4	4	4	12	30'-8"	
B32		4	4	4	12	31'-2"	
B36	#5	88	80	56	224	17'-1"	Column
B1A	#6	4	4	4	12	21'-2"	Cap

MARK	SIZE	NUMBER				LENGTH	LOCATION
		PIER 1	PIER 2	PIER 3	TOTAL		
B2	#5	20	20	20	60	40'-0"	Cap
B3	#5	16	16	16	48	25'-9"	
B4	#11	34	34	34	102	14'-0"	
B5	#11	34	34	34	102	45'-6"	
B6	#11	34	34	34	102	31'-6"	
B7	#6	8	8	8	24	31'-3"	Bend in Field
B8	#10	9	9	9	27	37'-0"	
B9	#5	4	4	4	12	22'-7"	
B10	#5	4	4	4	12	20'-0"	
B11	#5	4	4	4	12	17'-4"	
B12	#5	4	4	4	12	14'-8"	
B13	#5	4	4	4	12	12'-0"	
B14	#5	4	4	4	12	9'-5"	
B33	#9	64	64	64	192	6'-0"	Footings
B34	#6	24	24	24	72	18'-0"	Footings
B35	#6	36	36	36	108	12'-0"	Footings
B37	#9	64	64	64	192	20'-0"	Column
B38	#9	24			24	17'-0"	
B39	#9		24		24	15'-0"	
B40	#9			24	24	6'-0"	
B41	#9	40			40	22'-0"	
B42	#9		40		40	19'-6"	
B43	#9			40	40	10'-8"	



MARK	SIZE	NO.	LENGTH	LOCATION
A1	#5	120	13'-6"	Abutment No. 1 & 2
A2	#6	120	13'-0"	do
A3	#5	120	11'-4"	do
A9	#6	36	16'-4"	Bottom Wing Footings Abut. No. 1 & 2
A10	#8	36	16'-4"	Top " " " " 1 & 2
A11	#6	52	6'-0 1/2"	Wing Footings Abut. No. 1 & 2
A12	#6	16	9'-0 1/2"	do
A24	#6	24	8'-5 1/2"	Rail Wall Wings Abut. No. 1 & 2
A27	#6	24	6'-5"	Curb section, So. Bound Lane Wings, Abut. No. 1 & 2
A28	#8	64	3'-0"	Dowels approach slabs to Abut. No. 1 & 2

MARK	SIZE	NO.	LENGTH	LOCATION
A4	#5	120	2'-6"	Abutment No. 1 & 2
A5	#6	120	6'-9"	do
A6	#6	120	20'-0"	do
A7	#6	60	27'-9"	do
A8	#6	60	23'-9"	do
A13	#8	112	8'-1"	Top & Bottom Wing Footings Abut. No. 1 & 2
A14	#5	16	8'-1"	Wing walls Abut. No. 1 & 2
A15	#6	28	8'-2"	do
A16	#6	80	7'-0"	do
A17	#5	60	5'-0"	do
A18	#5	8	6'-1"	do
A19	#5	8	5'-2"	do
A20	#5	16	5'-6"	do
A21	#5	16	13'-0"	do
A22	#5	8	15'-0"	do
A23	#5	40	18'-0"	do
A25	#3	24	7'-6"	Rail wall Wings Abut. No. 1 & 2
A26	#4	8	18'-0"	Curb section, So. Bound Lane Wings, Abut. No. 1 & 2
A29	#5	24	2'-0"	do

TUKEYS BRIDGE - APPROACH SLABS & SIDEWALKS AT ABUTS.				
Bent Bars				
Mark	Size	No.	Length	Location
C10	#4	40	3'-10"	Approach Slabs (Stirrup)
Straight Bars				
C1	#7	616	14'-6"	Approach Slabs
C2	#7	40	21'-9"	" "
C3	#4	40	2'-3"	Approach Slabs (dowels)
C4	#5	20	5'-0"	Approach Slabs
C5	#5	80	20'-3"	" " (spliced)
C6	#5	80	21'-9"	" " "
C7	#4	16	19'-3"	Sidewalks
C8	#4	10	19'-3"	Approach Slab
C9	#4	118	3'-6"	Side walk

DESIGN -
TRACE -
CHECK - As instructed

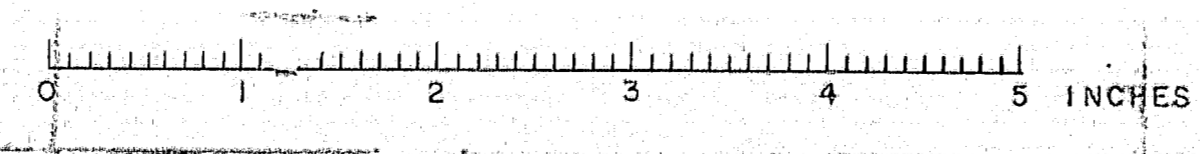
BRIDGE NO. SURVEY - PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY

TUKEYS BRIDGE
REINFORCING STEEL

SHEET 122 OF 166 AUGUSTA, MAINE OCT. 1957



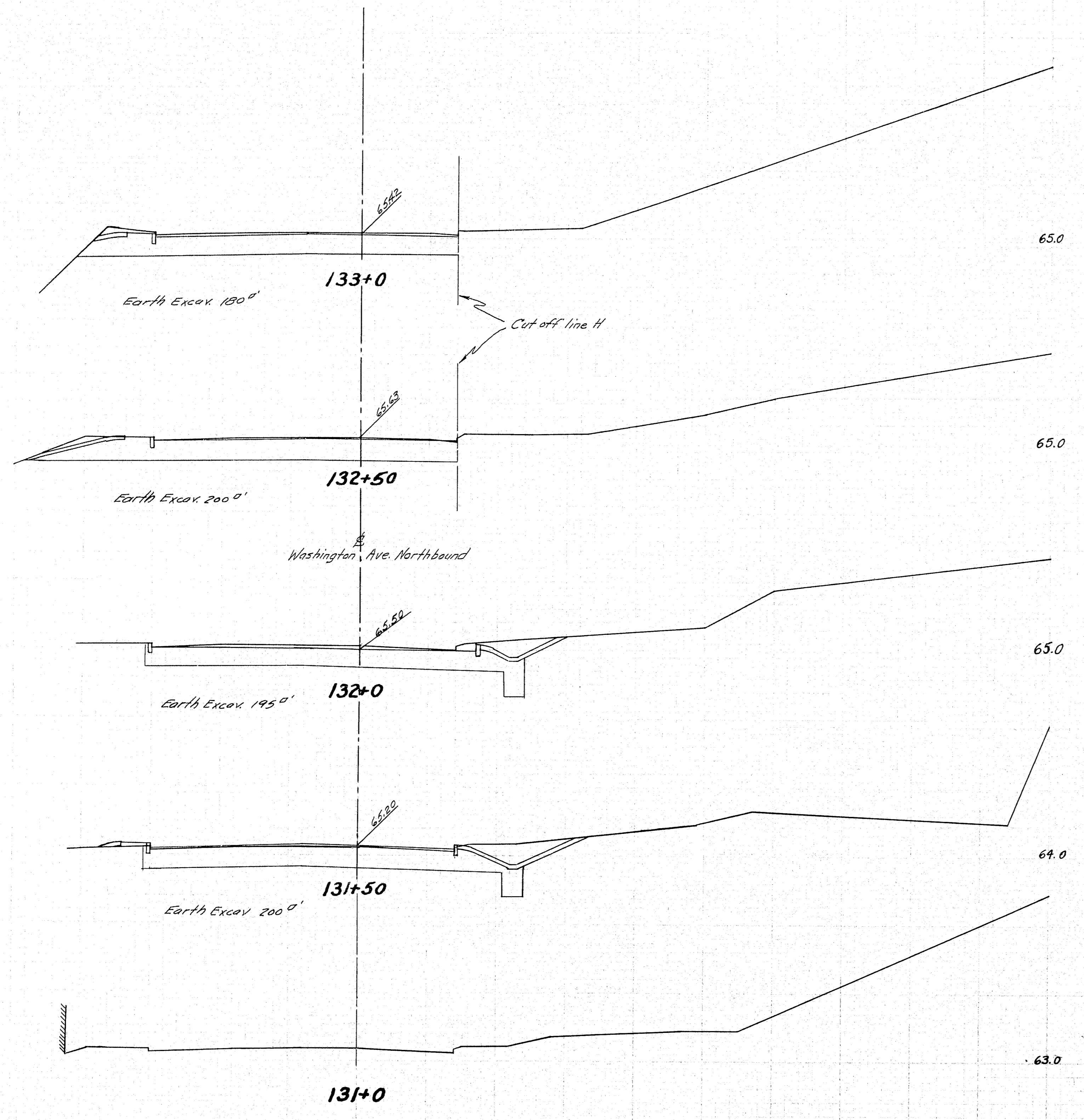
OVERPASS No. 1 - SPAN No. 1 - SUPERSTRUCTURE

OVERPASS No. 1 - SPAN No. 2 - SUPERSTRUCTURE

MARK	SIZE	No.	LENGTH	LOCATION	MARK	SIZE	No.	LENGTH	LOCATION	MARK	SIZE	No.	LENGTH	LOCATION	MARK	SIZE	No.	LENGTH	LOCATION	MARK	SIZE	No.	LENGTH	LOCATION	MARK	SIZE	No.	LENGTH	LOCATION										
H1	#5	2	2-9	Slab	H79	#5	One	12-2	Slab	H157	#5	One	10-2	Slab	H235	#5	One	12-9	Slab	H313	#5	2	13-5	Slab	T71	#5	6	2-8	Slab	T79	#5	2	30-4	Slab	T157	#5	2	14-0	Slab
H2	#5	2	3-2	Slab	H80	#5	One	12-6	Slab	H158	#5	One	10-6	Slab	H236	#5	One	12-6	Slab	H314	#5	2	13-1	Slab	T72	#5	2	3-3	Slab	T80	#5	2	30-8	Slab	T158	#5	2	13-9	Slab
H3	#5	2	3-7	Slab	H81	#5	One	12-11	Slab	H159	#5	One	10-11	Slab	H237	#5	One	12-3	Slab	H315	#5	2	12-8	Slab	T73	#5	2	3-7	Slab	T81	#5	2	31-0	Slab	T159	#5	2	13-5	Slab
H4	#5	2	4-0	Slab	H82	#5	One	13-4	Slab	H160	#5	One	11-4	Slab	H238	#5	One	11-9	Slab	H316	#5	2	12-3	Slab	T74	#5	2	3-11	Slab	T82	#5	2	31-5	Slab	T160	#5	2	13-1	Slab
H5	#5	2	4-4	Slab	H83	#5	One	13-9	Slab	H161	#5	One	11-9	Slab	H239	#5	One	11-6	Slab	H317	#5	2	11-10	Slab	T75	#5	2	4-3	Slab	T83	#5	2	31-9	Slab	T161	#5	2	12-9	Slab
H6	#5	2	4-9	Slab	H84	#5	One	14-2	Slab	H162	#5	One	12-2	Slab	H240	#5	One	11-3	Slab	H318	#5	2	11-6	Slab	T76	#5	2	4-8	Slab	T84	#5	2	32-1	Slab	T162	#5	2	12-5	Slab
H7	#5	2	5-2	Slab	H85	#5	One	14-6	Slab	H163	#5	One	12-6	Slab	H241	#5	One	10-9	Slab	H319	#5	2	11-1	Slab	T77	#5	2	4-11	Slab	T85	#5	2	32-5	Slab	T163	#5	2	12-0	Slab
H8	#5	2	5-7	Slab	H86	#5	One	14-11	Slab	H164	#5	One	12-11	Slab	H242	#5	One	10-6	Slab	H320	#5	2	10-9	Slab	T78	#5	2	5-4	Slab	T86	#5	2	32-9	Slab	T164	#5	2	11-9	Slab
H9	#5	2	6-0	Slab	H87	#5	One	15-4	Slab	H165	#5	One	13-4	Slab	H243	#5	One	10-3	Slab	H321	#5	2	10-4	Slab	T79	#5	2	5-8	Slab	T87	#5	2	33-2	Slab	T165	#5	2	11-6	Slab
H10	#5	2	6-4	Slab	H88	#5	One	15-9	Slab	H166	#5	One	13-9	Slab	H244	#5	One	9-9	Slab	H322	#5	2	9-11	Slab	T80	#5	2	6-1	Slab	T88	#5	2	33-6	Slab	T166	#5	2	11-3	Slab
H11	#5	2	6-9	Slab	H89	#5	One	16-2	Slab	H167	#5	One	14-2	Slab	H245	#5	One	9-6	Slab	H323	#5	2	9-6	Slab	T81	#5	2	6-4	Slab	T89	#5	2	33-10	Slab	T167	#5	2	10-10	Slab
H12	#5	2	7-2	Slab	H90	#5	One	16-7	Slab	H168	#5	One	14-6	Slab	H246	#5	One	9-3	Slab	H324	#5	2	9-2	Slab	T82	#5	2	6-9	Slab	T90	#5	2	34-8	Slab	T168	#5	2	10-6	Slab
H13	#5	2	7-7	Slab	H91	#5	One	17-0	Slab	H169	#5	One	15-0	Slab	H247	#5	One	8-9	Slab	H325	#5	2	8-9	Slab	T83	#5	2	7-1	Slab	T91	#5	2	34-6	Slab	T169	#5	2	10-3	Slab
H14	#5	2	8-0	Slab	H92	#5	One	17-4	Slab	H170	#5	One	15-4	Slab	H248	#5	One	8-6	Slab	H326	#5	2	8-4	Slab	T84	#5	2	7-5	Slab	T92	#5	2	34-4	Slab	T170	#5	2	9-10	Slab
H15	#5	2	8-4	Slab	H93	#5	One	17-9	Slab	H171	#5	One	15-9	Slab	H249	#5	One	8-3	Slab	H327	#5	2	8-0	Slab	T85	#5	2	7-9	Slab	T93	#5	2	34-2	Slab	T171	#5	2	9-6	Slab
H16	#5	2	8-9	Slab	H94	#5	One	18-2	Slab	H172	#5	One	16-2	Slab	H250	#5	One	7-9	Slab	H328	#5	2	7-7	Slab	T86	#5	2	8-2	Slab	T94	#5	2	34-1	Slab	T172	#5	2	9-3	Slab
H17	#5	2	9-2	Slab	H95	#5	One	18-7	Slab	H173	#5	One	16-7	Slab	H251	#5	One	7-6	Slab	H329	#5	2	7-2	Slab	T87	#5	2	8-6	Slab	T95	#5	2	34-0	Slab	T173	#5	2	8-10	Slab
H18	#5	2	9-7	Slab	H96	#5	One	19-0	Slab	H174	#5	One	17-0	Slab	H252	#5	One	21-4	Slab	H330	#5	2	6-9	Slab	T88	#5	2	8-11	Slab	T96	#5	2	33-11	Slab	T174	#5	2	8-6	Slab
H19	#5	2	10-0	Slab	H97	#5	One	19-4	Slab	H175	#5	One	17-4	Slab	H253	#5	One	21-0	Slab	H331	#5	2	6-5	Slab	T89	#5	2	9-2	Slab	T97	#5	2	33-10	Slab	T175	#5	2	8-3	Slab
H20	#5	2	10-4	Slab	H98	#5	One	19-9	Slab	H176	#5	One	17-9	Slab	H254	#5	One	20-7	Slab	H332	#5	2	6-0	Slab	T90	#5	2	9-7	Slab	T98	#5	2	33-9	Slab	T176	#5	2	8-0	Slab
H21	#5	2	10-9	Slab	H99	#5	One	20-2	Slab	H177	#5	One	18-2	Slab	H255	#5	One	20-1	Slab	H333	#5	2	5-7	Slab	T91	#5	2	9-11	Slab	T99	#5	2	33-8	Slab	T177	#5	2	7-9	Slab
H22	#5	2	11-2	Slab	H100	#5	One	20-7	Slab	H178	#5	One	18-7	Slab	H256	#5	One	19-7	Slab	H334	#5	2	5-3	Slab	T92	#5	2	10-3	Slab	T100	#5	2	33-7	Slab	T178	#5	2	7-6	Slab
H23	#5	2	11-7	Slab	H101	#5	One	21-0	Slab	H179	#5	One	19-0	Slab	H257	#5	One	19-4	Slab	H335	#5	2	4-10	Slab	T93	#5	2	10-7	Slab	T101	#5	2	33-6	Slab	T179	#5	2	7-1	Slab
H24	#5	2	12-0	Slab	H102	#5	One	21-4	Slab	H180	#5	One	19-4	Slab	H258	#5	One	19-1	Slab	H336	#5	2	4-5	Slab	T94	#5	2	10-11	Slab	T102	#5	2	32-6	Slab	T180	#5	2	6-10	Slab
H25	#5	2	12-4	Slab	H103	#5	One	21-10	Slab	H181	#5	One	19-9	Slab	H259	#5	One	18-10	Slab	H337	#5	2	4-0	Slab	T95	#5	2	11-3	Slab	T103	#5	2	32-3	Slab	T181	#5	2	6-6	Slab
H26	#5	2	12-9	Slab	H104	#5	One	22-2	Slab	H182	#5	One	20-2	Slab	H260	#5	One	18-6	Slab	H338	#5	2	3-7	Slab	T96	#5	2	11-8	Slab	T104	#5	2	31-9	Slab	T182	#5	2	6-3	Slab
H27	#5	2	13-2	Slab	H105	#5	One	22-7	Slab	H183	#5	One	20-7	Slab	H261	#5	One	18-1	Slab	H339	#5	2	3-3	Slab	T97	#5	2	12-0	Slab	T105	#5	2	31-5	Slab	T183	#5	2	5-10	Slab
H28	#5	2	13-7	Slab	H106	#5	One	23-0	Slab	H184	#5	One	21-0	Slab	H262	#5	One	17-7	Slab	H340	#5	2	3-0	Slab	T98	#5	2	12-5	Slab	T106	#5	2	31-0	Slab	T184	#5	2	5-6	Slab
H29	#5	2	14-0	Slab	H107	#5	One	23-4	Slab	H185	#5	One	21-3	Slab	H263	#5	One	17-4	Slab	H341	#5	2	40-0	Slab	T99	#5	2	12-9	Slab	T107	#5	2	30-6	Slab	T185	#5	2	5-3	Slab
H30	#5	2	14-5	Slab	H108	#5	One	23-10	Slab	H186	#5	One	21-8	Slab	H264	#5	One	16-10	Slab	H342	#5	3	36-0	Slab	T100	#5	2	13-1	Slab	T108	#5	2	30-4	Slab	T186	#5	2	4-10	Slab
H31	#5	2	14-10	Slab	H109	#5	One	24-2	Slab	H187	#5	One	22-3	Slab	H265	#5	One	16-7	Slab	H343	#5	9	37-0	Slab	T101	#5	2	13-5	Slab	T109	#5	2	30-0	Slab	T187	#5	2	4-6	Slab
H32	#5	2	15-3	Slab	H110	#5	One	24-7	Slab	H188	#5	2	22-6	Slab	H266	#5	One	16-4	Slab	H344	#5	17	38-0	Slab	T102	#5	2	13-9	Slab	T110	#5	2	29-8	Slab	T188	#5	2	4-3	Slab
H33	#5	2	15-7	Slab	H111	#5	One	25-0	Slab	H189	#5	3	23-3	Slab	H267	#5	One	16-1	Slab	H345	#5	9	39-0	Slab	T103	#5	2	14-2	Slab	T111	#5	2	29-3	Slab	T189	#5	2	4-0	Slab
H34	#5	2	16-0	Slab	H112	#5	2	25-2	Slab	H190	#5	2	22-9	Slab	H268	#5	One	15-7	Slab	H346	#5	12	35-0	Slab	T104	#5	2	14-6	Slab	T112	#5	2	29-0	Slab	T190	#5	2	3-9	Slab
H35	#5	2	16-5	Slab	H113	#5	3	26-0	Slab	H191	#5	2	22-6	Slab	H269	#5	One	15-4	Slab	H347	#5	21	18-8	Curb	T105	#5	2	14-11	Slab	T113	#5	2	28-7	Slab	T191	#5	2	3-4	Slab
H36	#5	2	16-10	Slab	H114	#5	2	25-7	Slab	H192	#5	2	22-2	Slab	H270	#5	One	15-1	Slab	H348	#5	7	18-6	Curb	T106	#5	2	15-2	Slab	T114	#5	2	28-3	Slab	T192	#5	2	3-0	Slab
H37	#5	2	17-3	Slab	H115	#5	2	25-4	Slab	H193	#5	2	21-11	Slab	H271	#5	One	14-7	Slab	H349	#5	7	17-0	Curb	T107	#5	2	15-7	Slab	T115	#5	2	27-10	Slab	T193	#5	2	2-9	Slab
H38	#5	2	17-7	Slab	H116	#5	2	25-0	Slab	H194	#5	2	21-8	Slab	H272	#5	One	14-4	Slab	H350	#5	21	17-8	Curb	T108	#5	2	15-11	Slab	T116	#5	2	27-6	Slab	T194	#5	2	30-0	Slab
H39	#5	2	18-0	Slab	H117	#5	2	24-9	Slab	H195	#5	2	21-5	Slab	H273	#5	One	14-1	Slab						T109	#5	2	16-3	Slab	T117	#5	2	27-3	Slab	T195	#5	2	20-8	Slab
H40	#5	2	18-5	Slab	H118	#5	2	24-6	Slab	H196	#5	2	21-2	Slab	H274	#5	One	13-7	Slab						T110	#5	2	16-7	Slab	T118	#5	2	26-9	Slab	T196	#5	2	9-0	Slab
H41	#5	2	18-10	Slab	H119	#5	2	24-3	Slab	H197	#5	2	20-11	Slab	H275	#5	One	13-4	Slab						T111	#5	2	16-11	Slab	T119	#5	2	26-6	Slab	T197	#5	2	15-8	Slab
H42	#5	2	19-3	Slab	H120	#5	2	24-0	Slab	H198	#5	2	20-8	Slab	H276	#5	One	13-1	Slab	H354	#6	9	11-4																

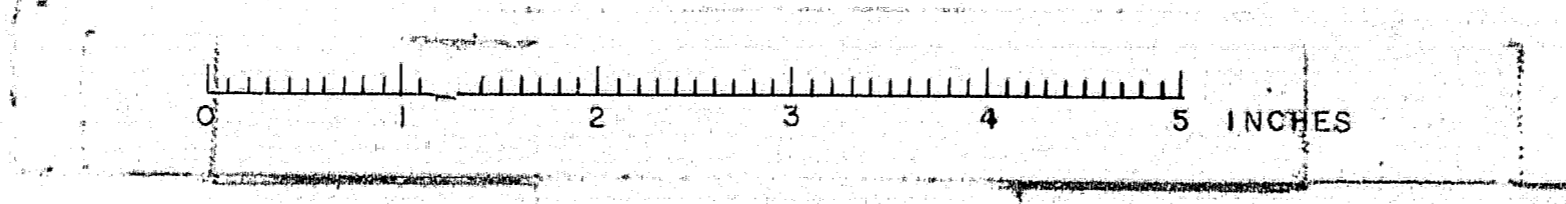
S. P. R. DIST. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	100-100	126	166

1-B95-3(4) 50



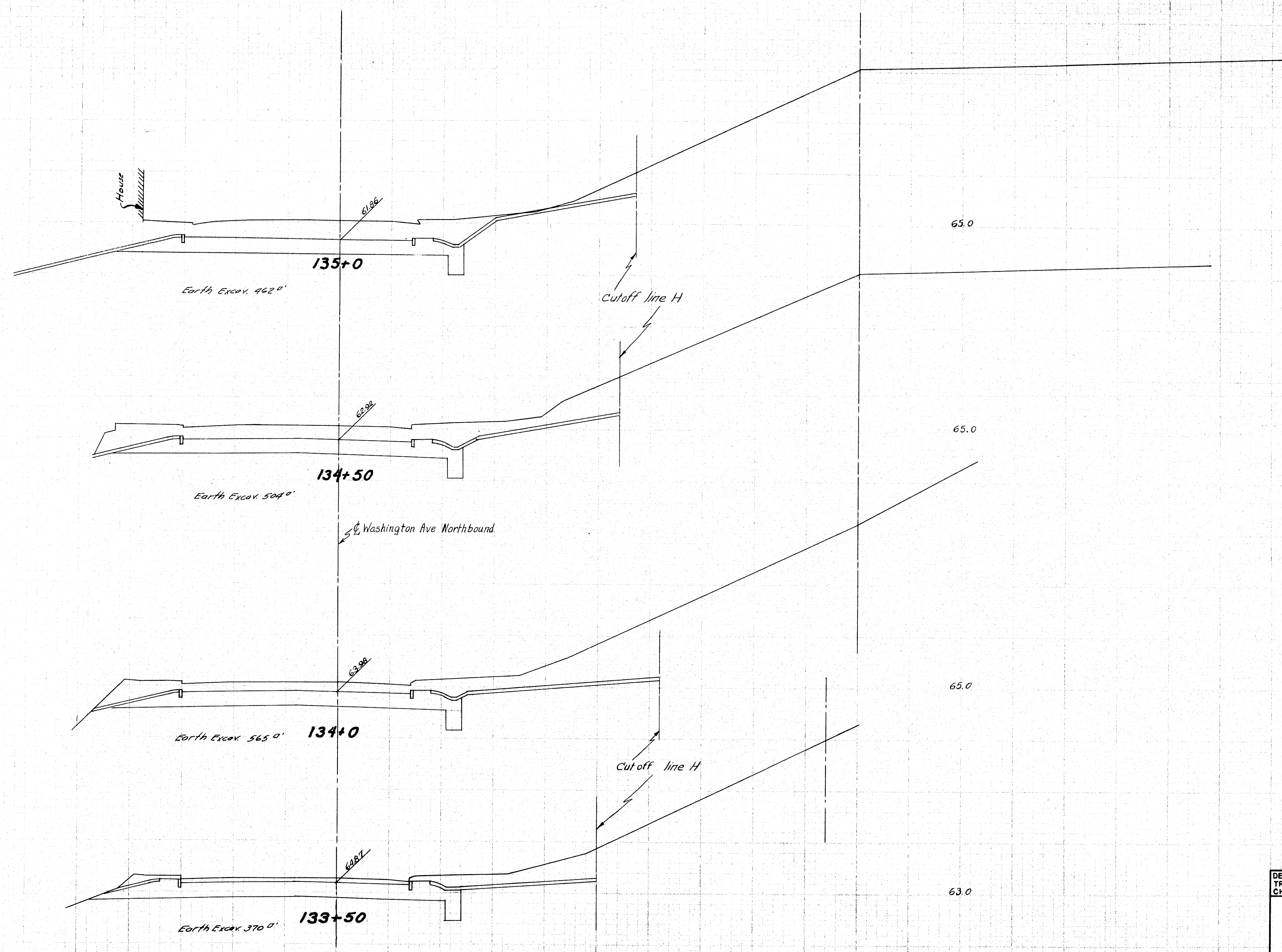
DESIGN - BARNES TRACE - Coffin CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 126 OF 166 AUGUSTA, MAINE, OCT. 1957	

76-126



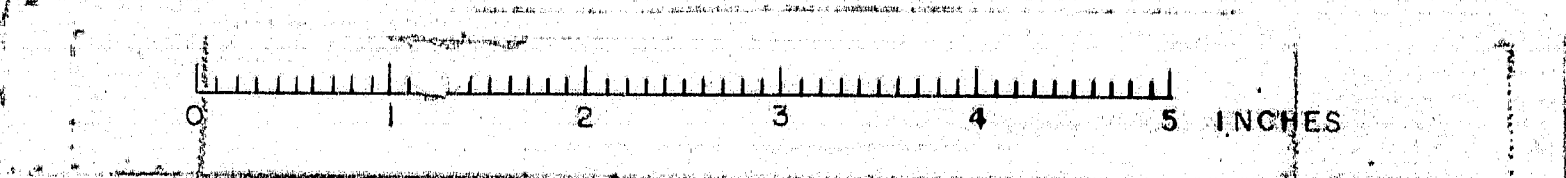
STATE	FED. AID	SHEET	TOTAL
NO.	NO.	NO.	SHEETS
MAINE	1-100-100	127	166

1-205-343 60



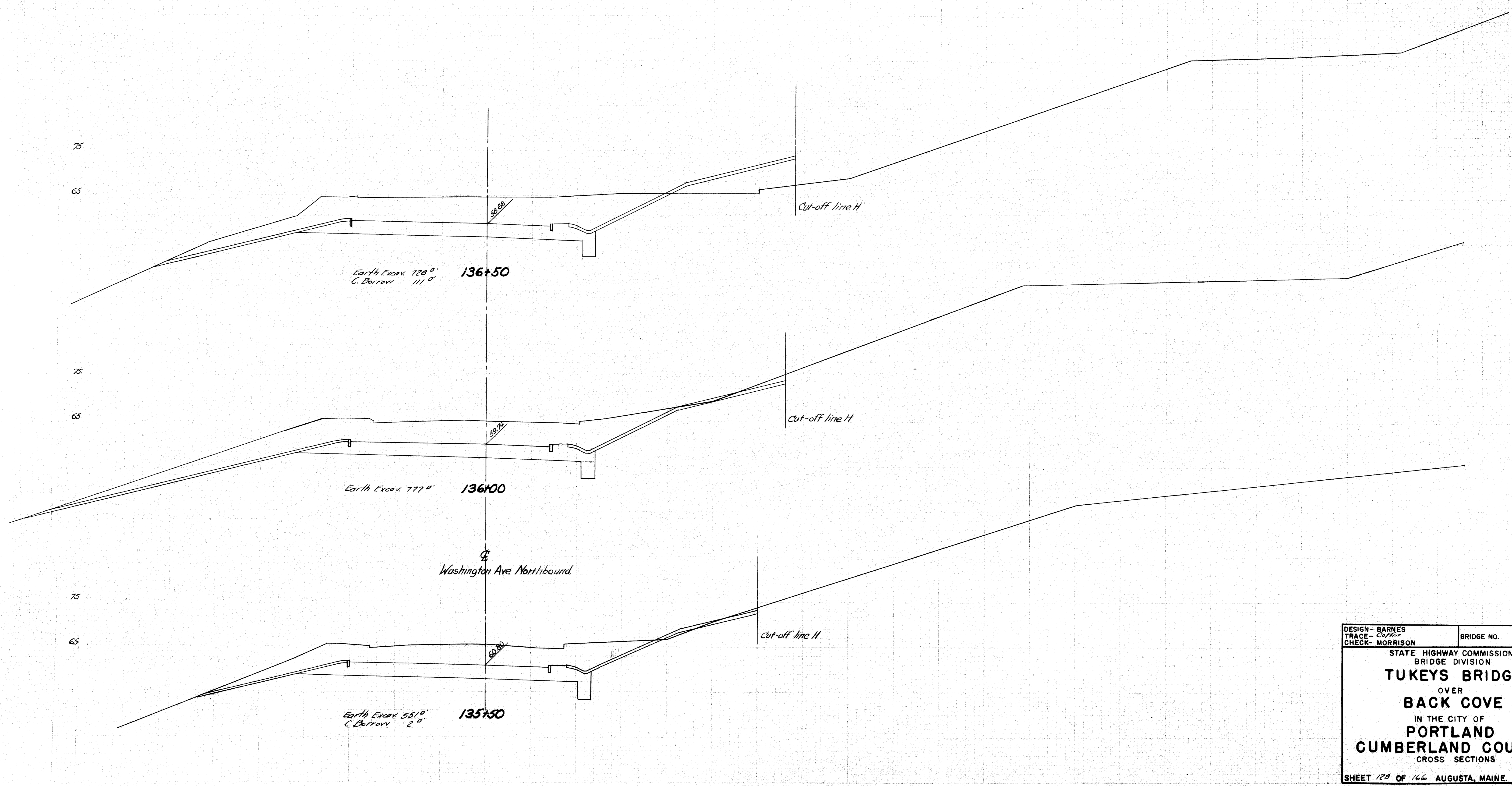
DESIGN - BARNES	BRIDGE NO.
TRACE - <i>Co. 117</i>	
CHECK - MORRISON	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 127 OF 166 AUGUSTA, MAINE, OCT. 1957	

76-127



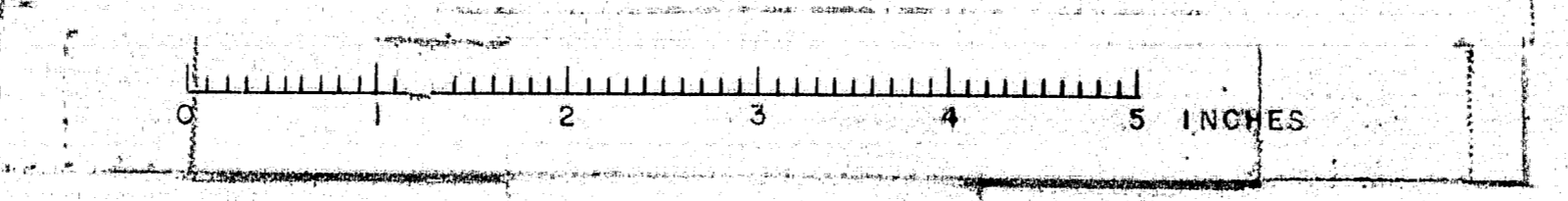
B. P. R. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	105-100	128	166

1-B95-340-50



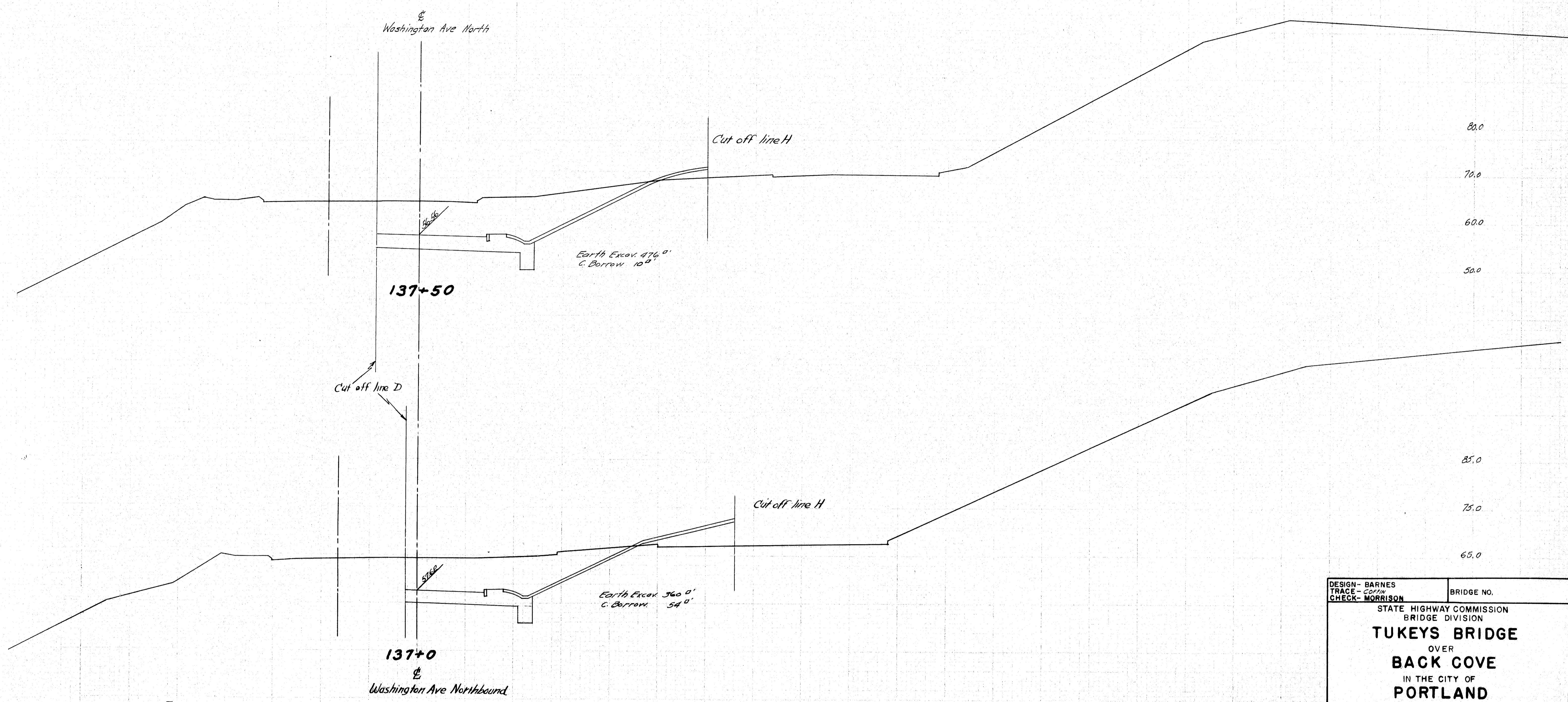
DESIGN - BARNES	BRIDGE NO.
TRACE - Coffey	
CHECK - MORRISON	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 128 OF 166 AUGUSTA, MAINE. OCT. 1957.	

76-128



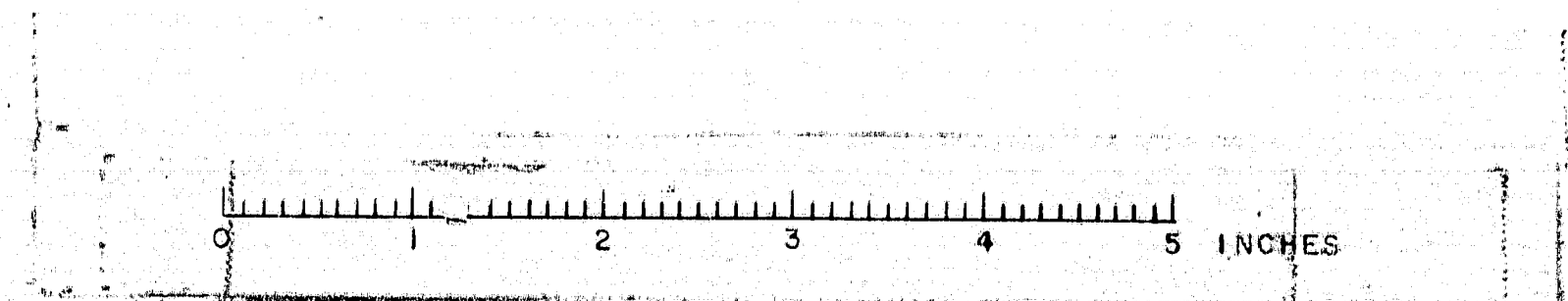
B. P. R. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-895-244	129	166

1-895-244 50



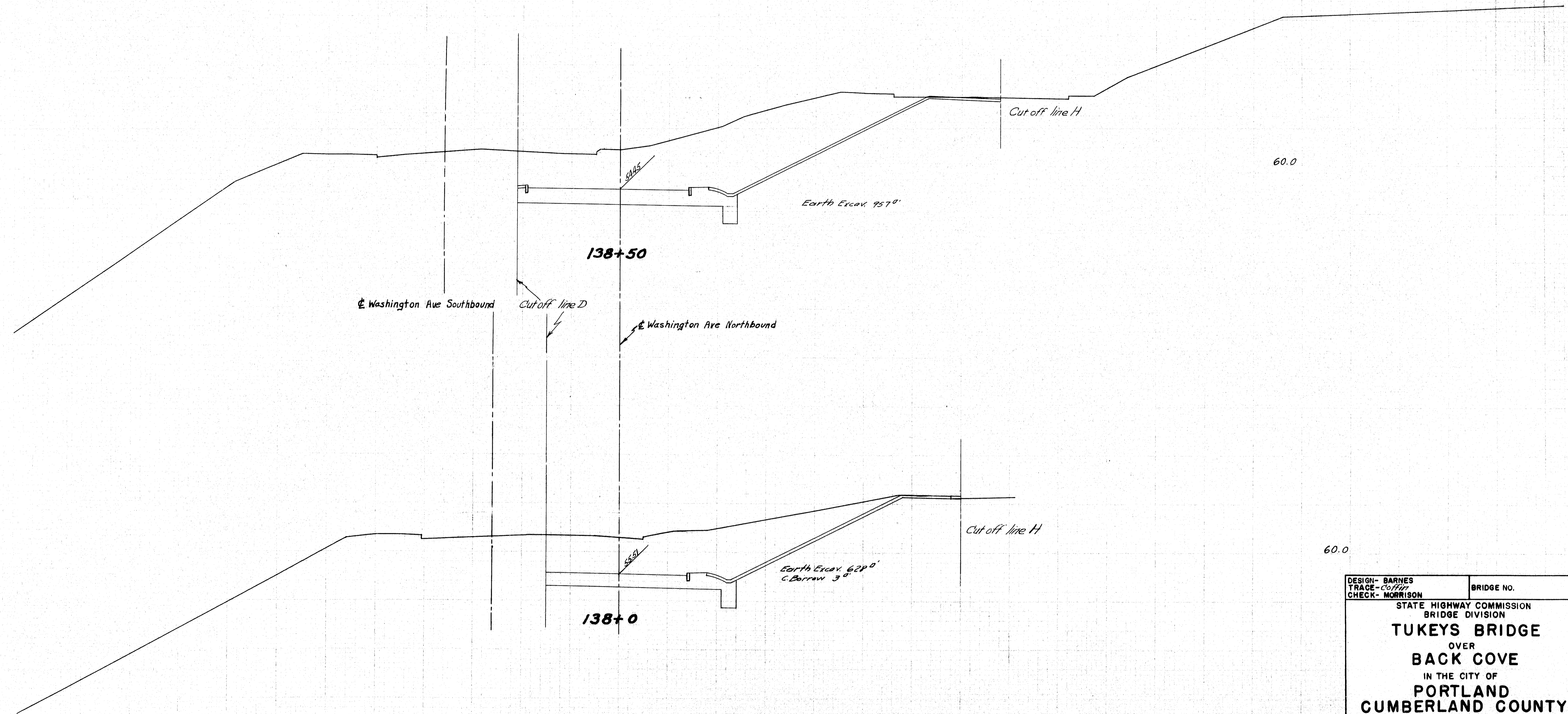
DESIGN - BARNES TRACE - CORRY CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 129 OF 166 AUGUSTA, MAINE. OCT. 1957.	

76-129



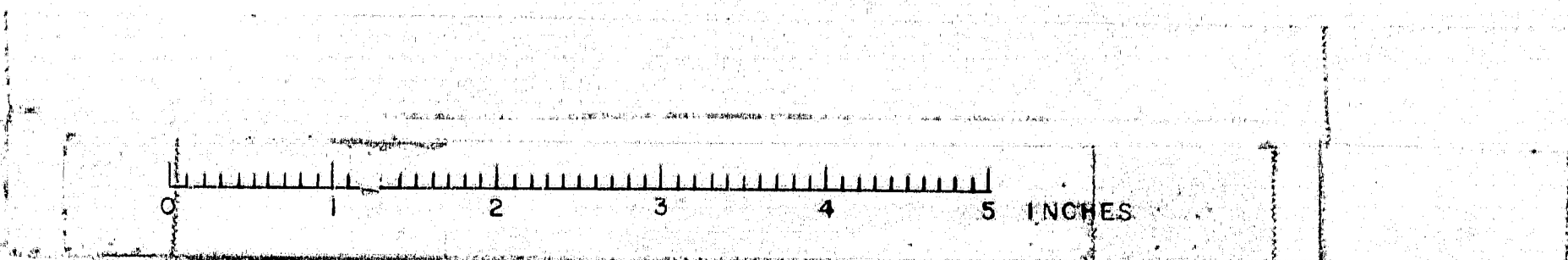
B. P. R.	STATE	FED. AID	SHEET	TOTAL
REG. NO.	MAINE	PROJ. NO.	NO.	SHEETS
			130	166

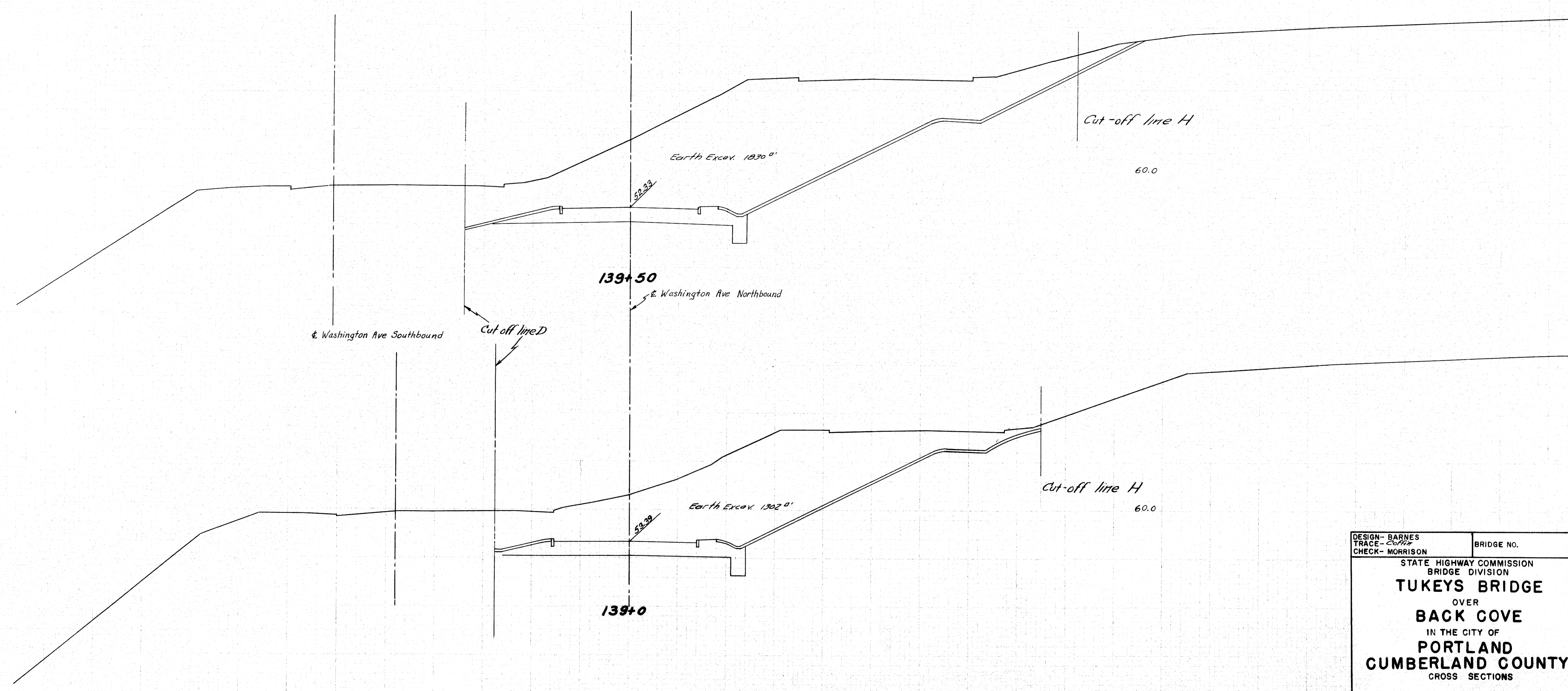
I-805-2(4) 50



DESIGN - BARNES	BRIDGE NO.
TRACE - COLLIER	
CHECK - MORRISON	
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 130 OF 166 AUGUSTA, MAINE. OCT. 1957.	

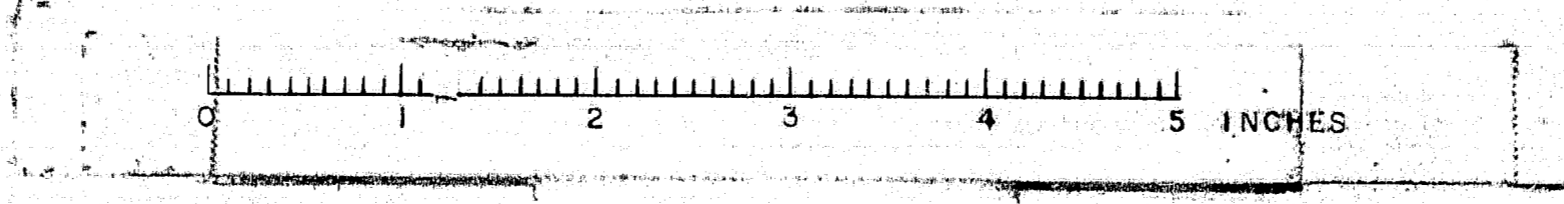
76-130





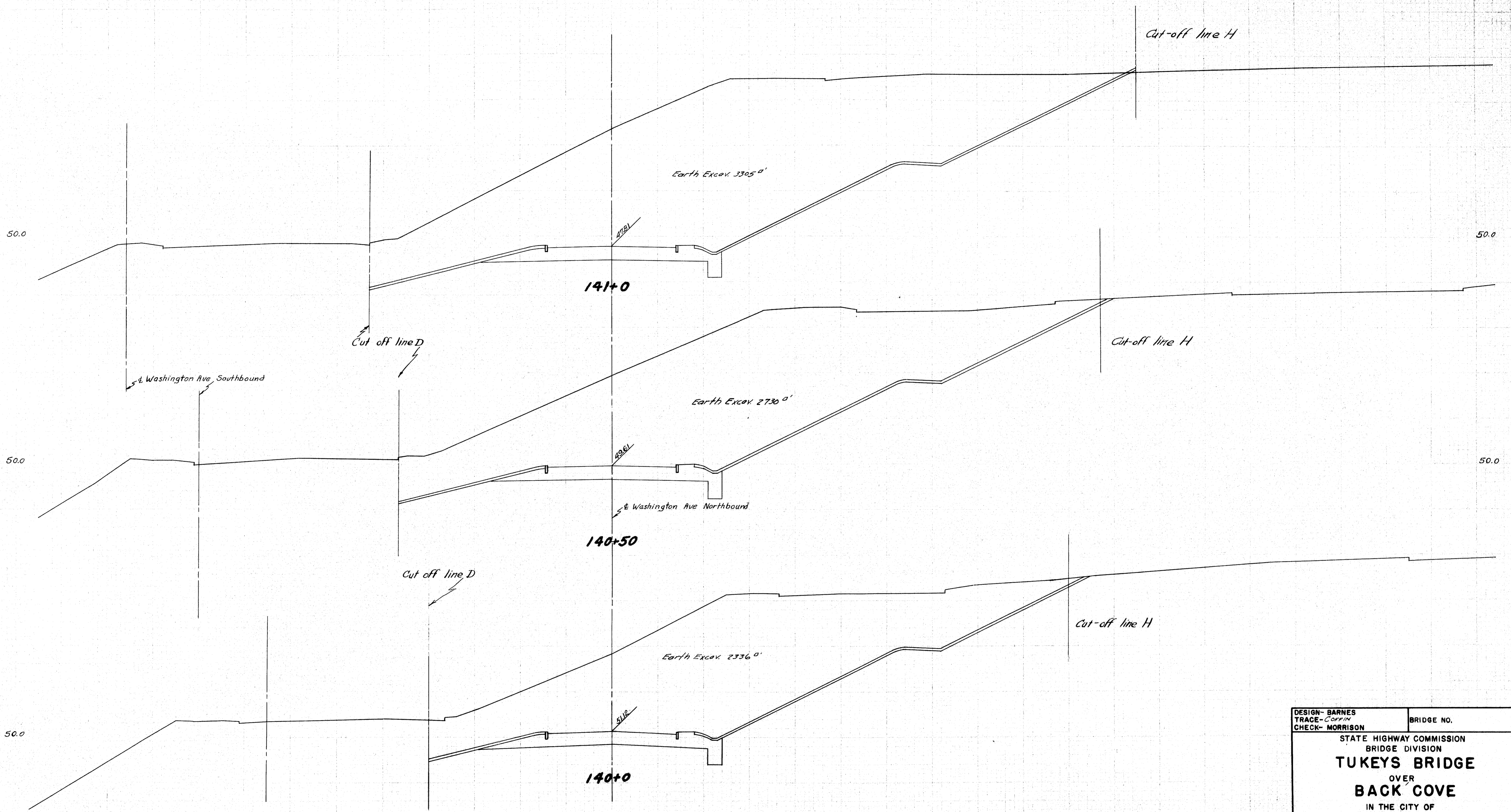
DESIGN - BARNES TRACE - <i>Coffin</i> CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 131 OF 166 AUGUSTA, MAINE. OCT. 1957.	

76-131



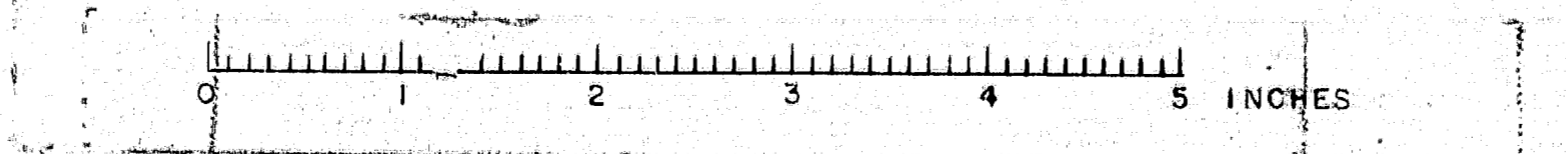
D. P. R.	STATE	FED. AID	SHEET	TOTAL
NO.	NO.	NO.	NO.	SHEETS
1	MAINE	7-000-10	12	166

1-505-267 RD



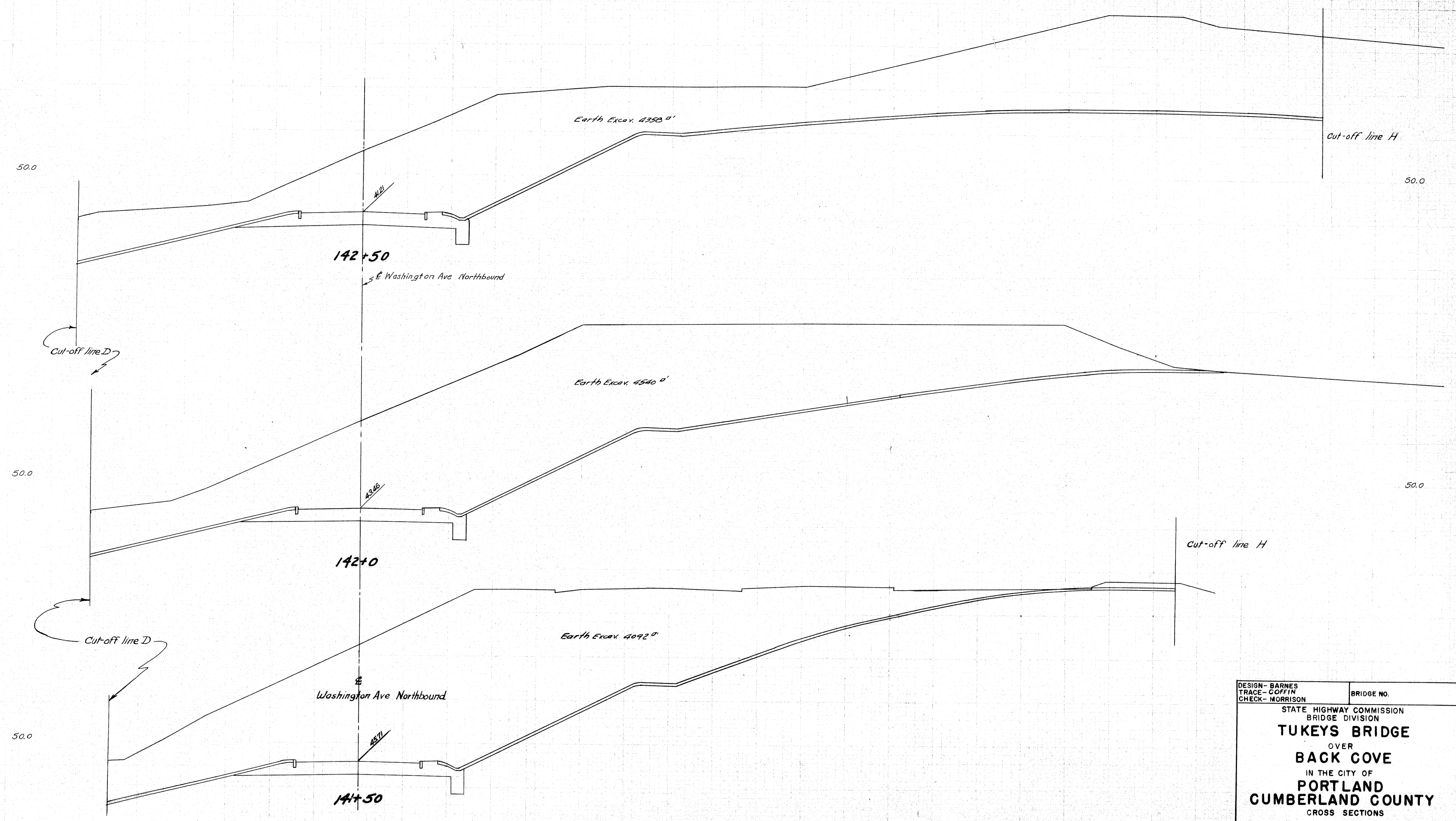
DESIGN- BARNES	BRIDGE NO.
TRACE- COFFIN	
CHECK- MORRISON	
STATE HIGHWAY COMMISSION	
BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 132 OF 166 AUGUSTA, MAINE, OCT. 1957	

76-132



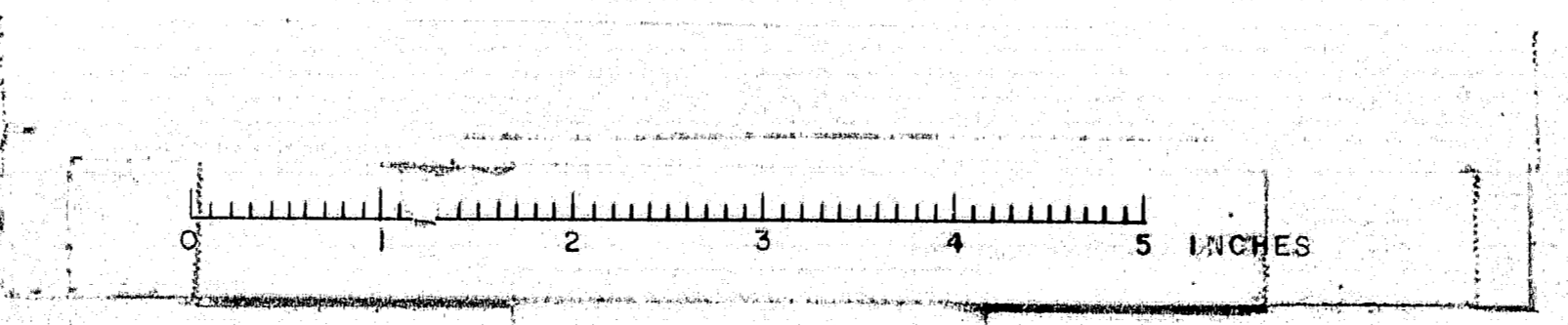
B. P. D.	STATE	FED. AID	SHEET	TOTAL
REG. NO.		PROJECT NO.	NO.	SHEETS
1	MAINE	1-083-16	133	166

1-895-3(4) 50

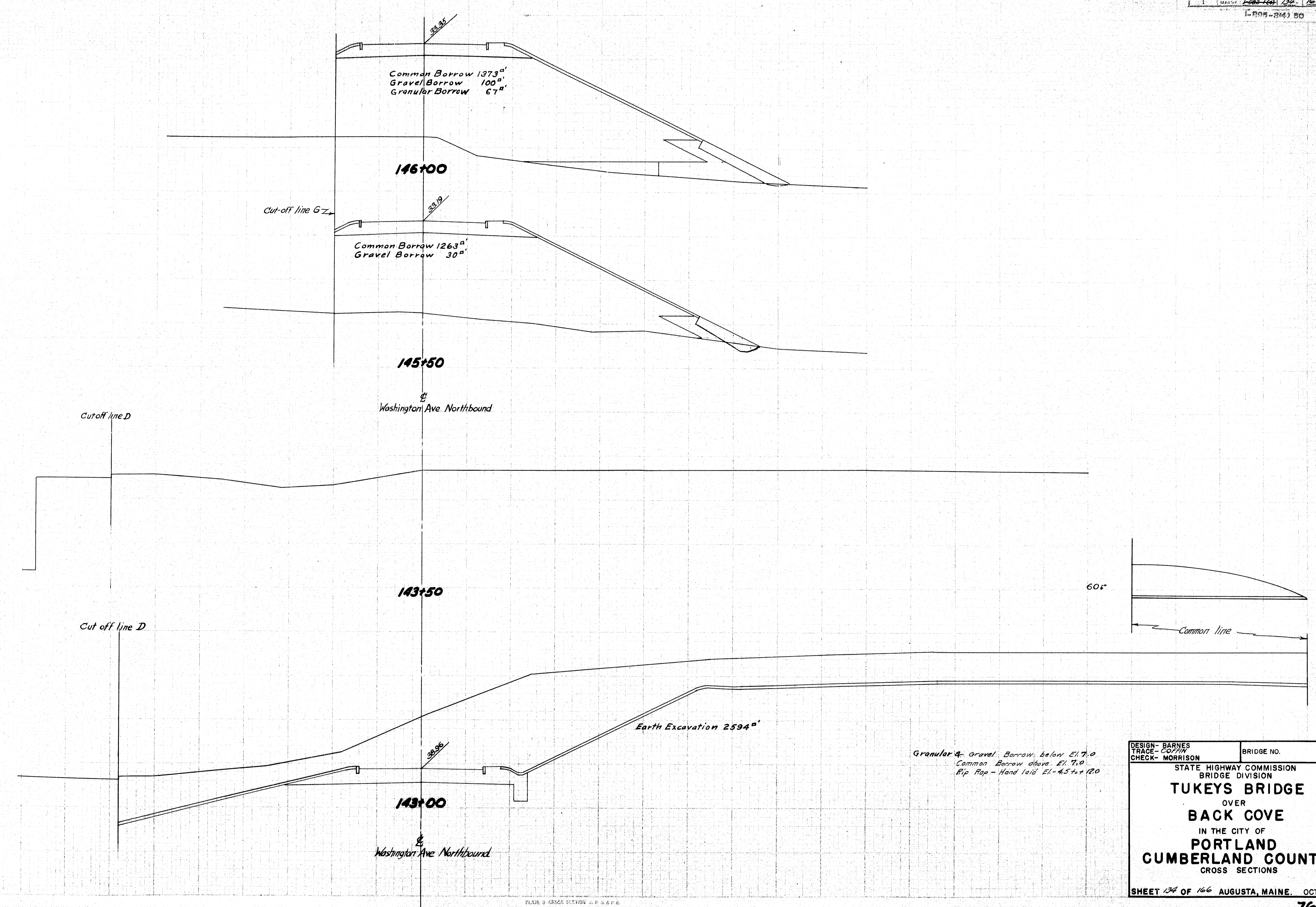


DESIGN - BARNES TRACE - COFFIN CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER BACK COVE	
IN THE CITY OF PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 133 OF 166 AUGUSTA, MAINE, OCT. 1957	

76-133

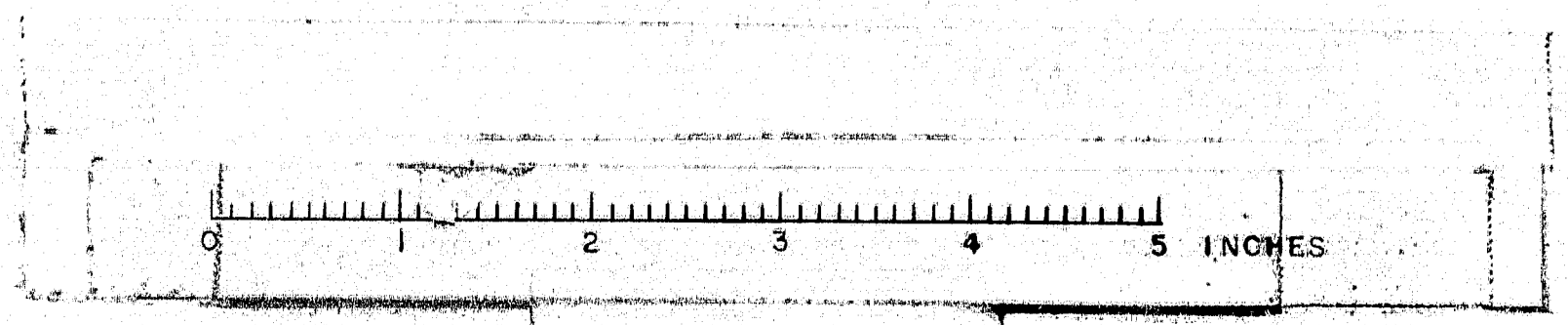


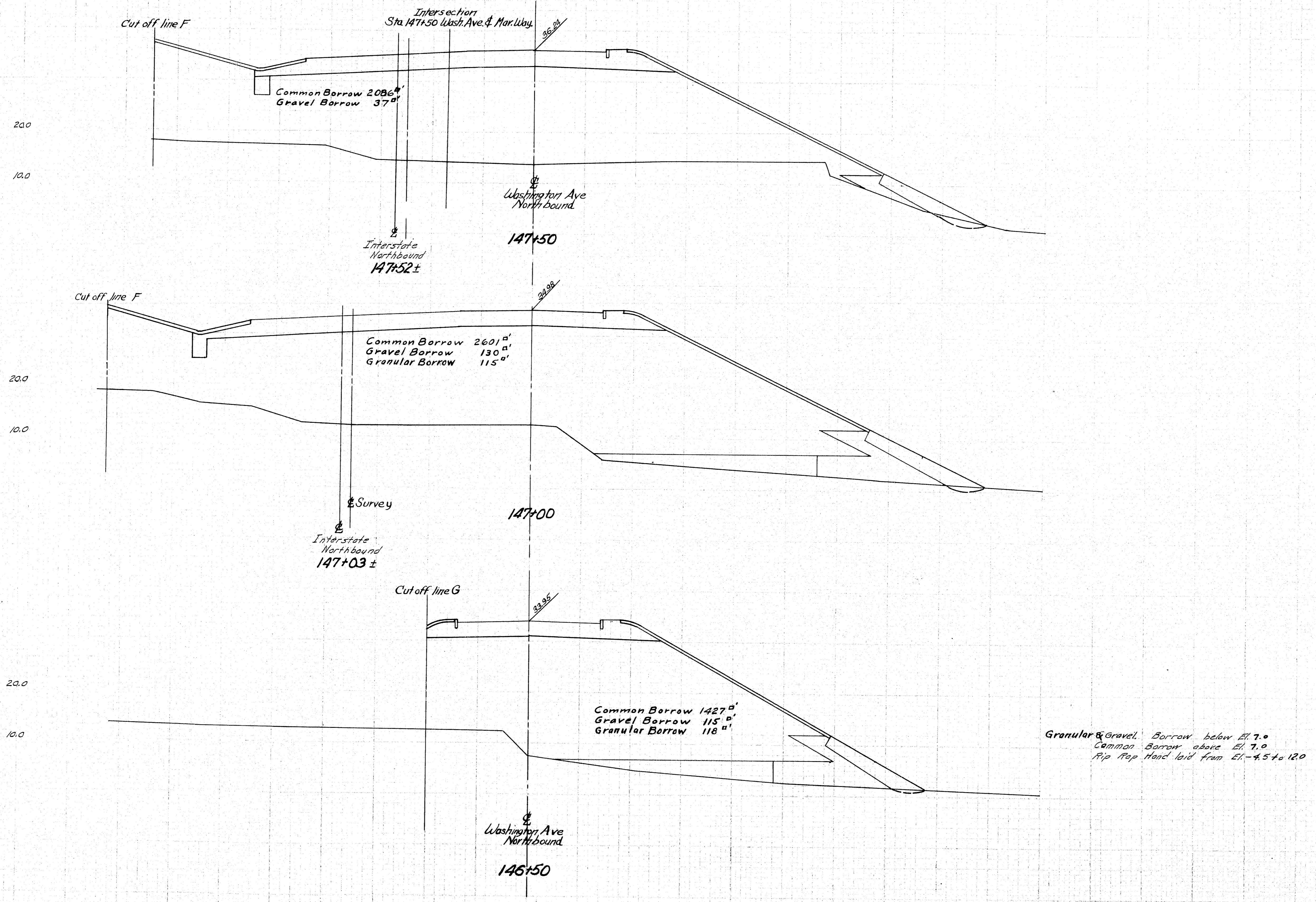
20
10
20
10
40
30
50
40



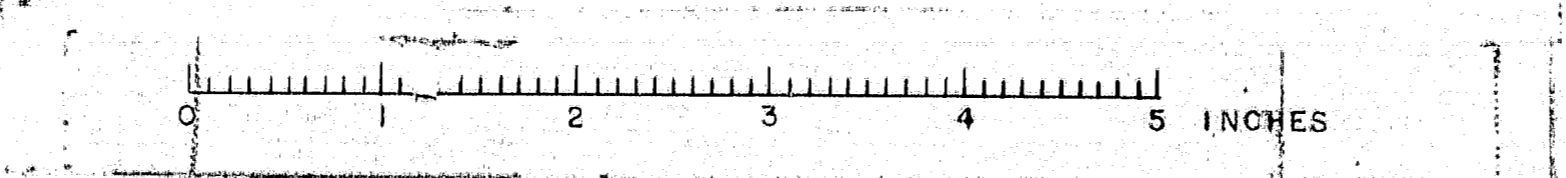
Granular & Gravel Borrow below El. 7.0
Common Borrow above El. 7.0
Rip Rap - Hand laid El. 4.5 to 12.0

DESIGN - BARNES	BRIDGE NO.
TRACE - COFFIN	
CHECK - MORRISON	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 134 OF 166 AUGUSTA, MAINE. OCT. 1957	



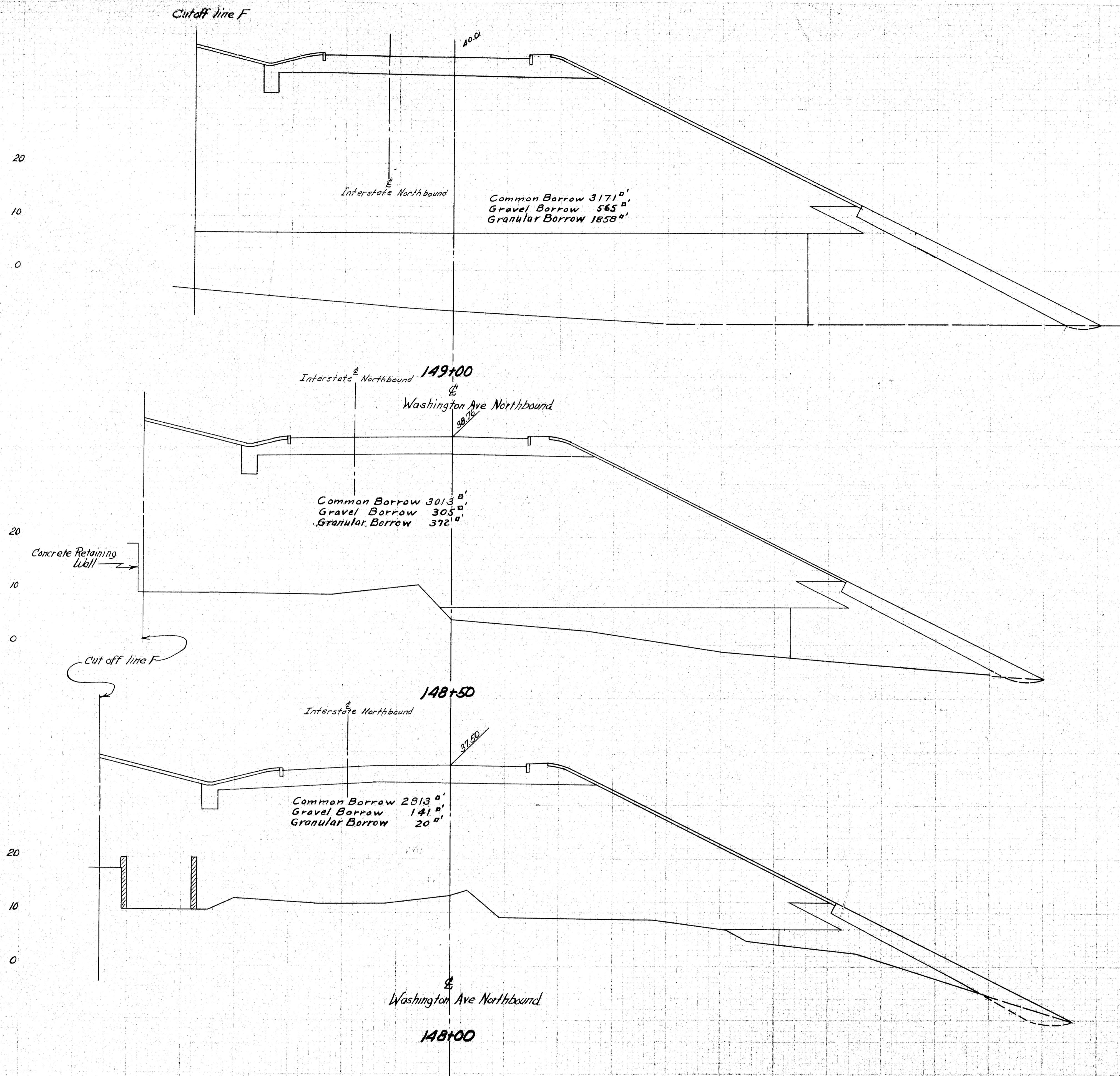


DESIGN - BARNES	BRIDGE NO.
TRACE - MORRISON	
CHECK - MORRISON	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 135 OF 166 AUGUSTA, MAINE, OCT. 1957	



F.P.R.	STATE	FED. AID	SHEET	TOTAL
Proj. No.		Proj. No.	No.	Sheets
1	MAINE	2002-124	136	166

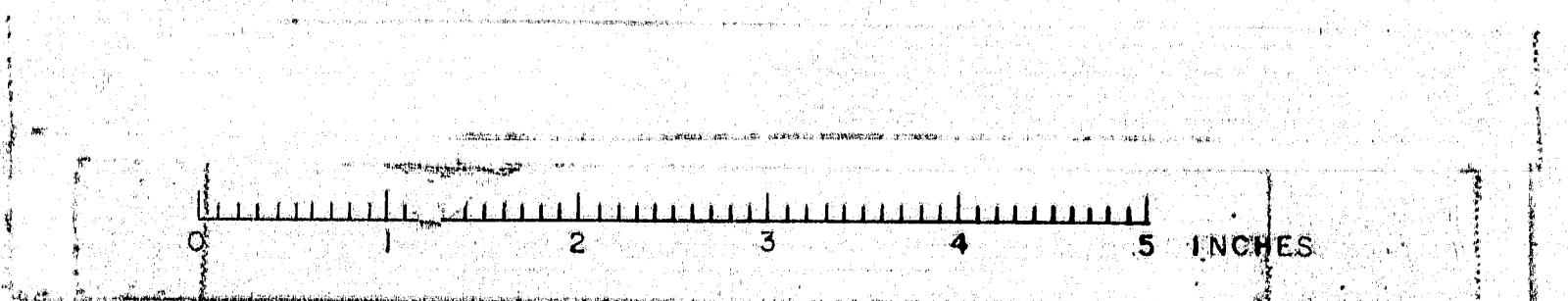
L. B. B. 243 50



Granular & Gravel Borrow to Elev. 7.0
Common Borrow above Elev. 7.0
Tip Top Hand Inlet Elev. 4.5 to 12.0

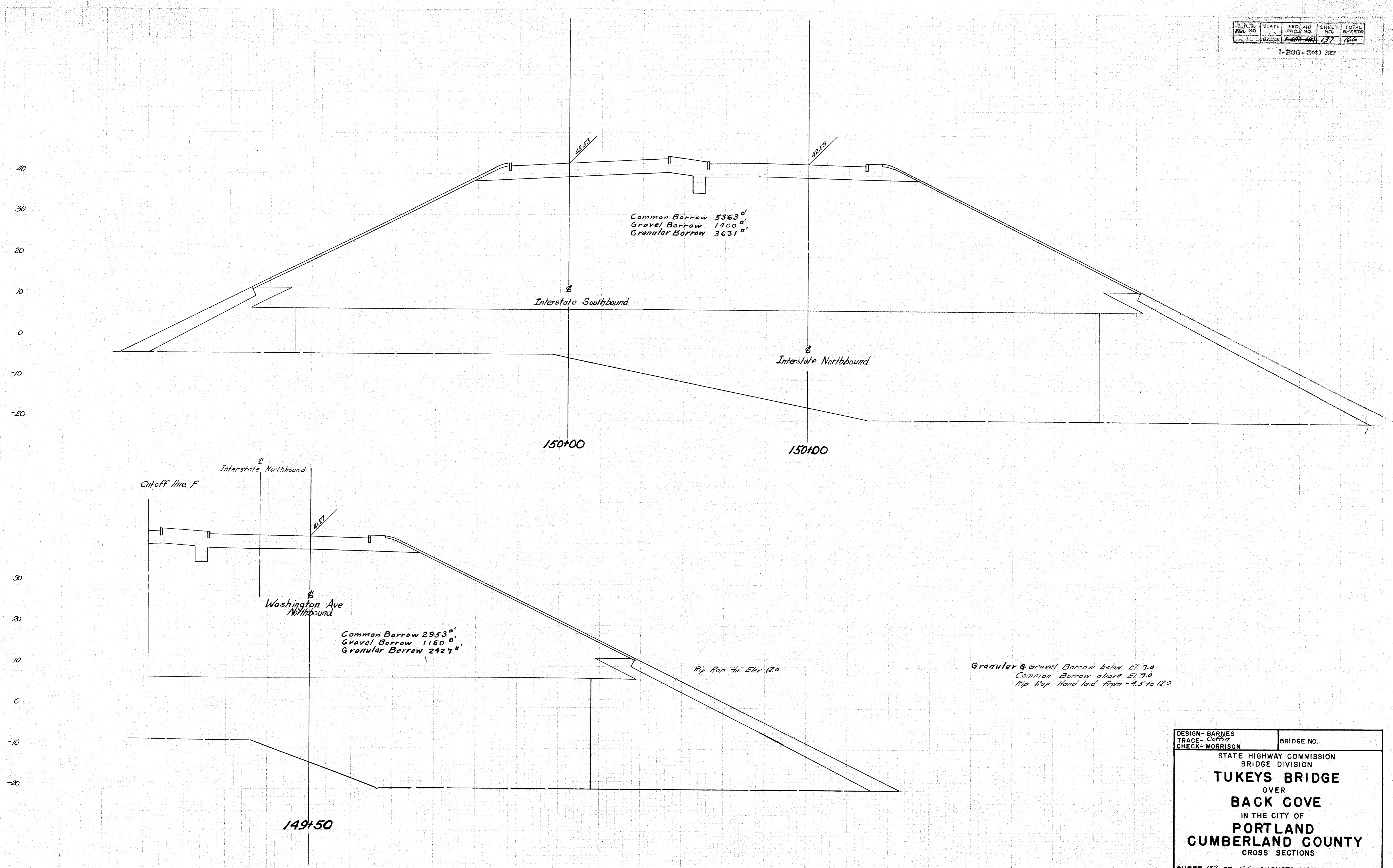
DESIGN - BARNES TRACE - CUTLER CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 136 OF 166 AUGUSTA, MAINE, OCT. 1957.	

76-136



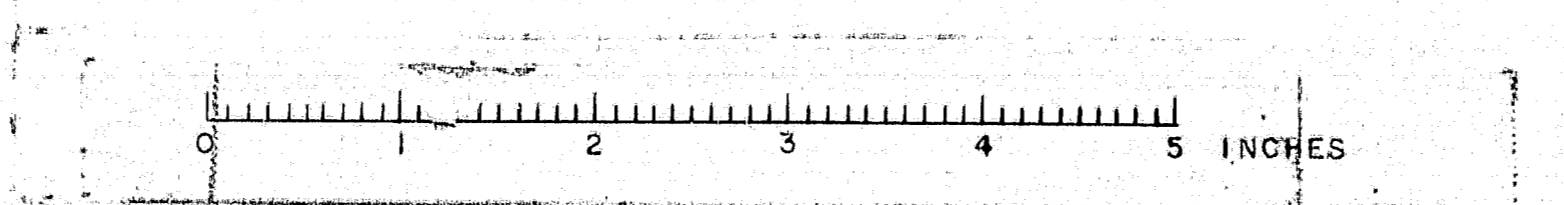
D. P. N.	STATE	FED. AID	SHEET	TOTAL
NO.		PROJ. NO.	NO.	SHEETS
1	MAINE	F-400-141	137	166

1-295-344) 50

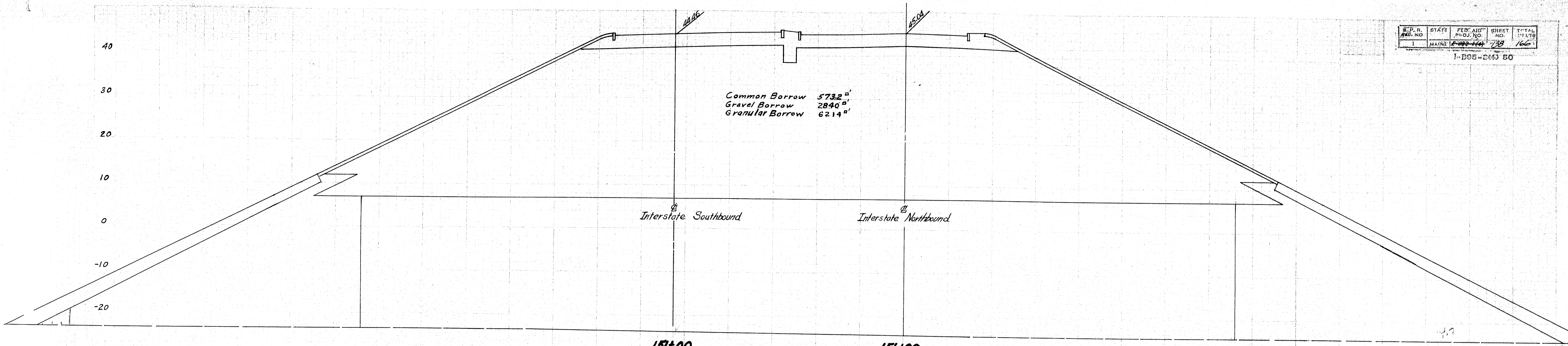


DESIGN - BARNES	BRIDGE NO.
TRACE - COFFIN	
CHECK - MORRISON	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 137 OF 166 AUGUSTA, MAINE, OCT. 1957.	

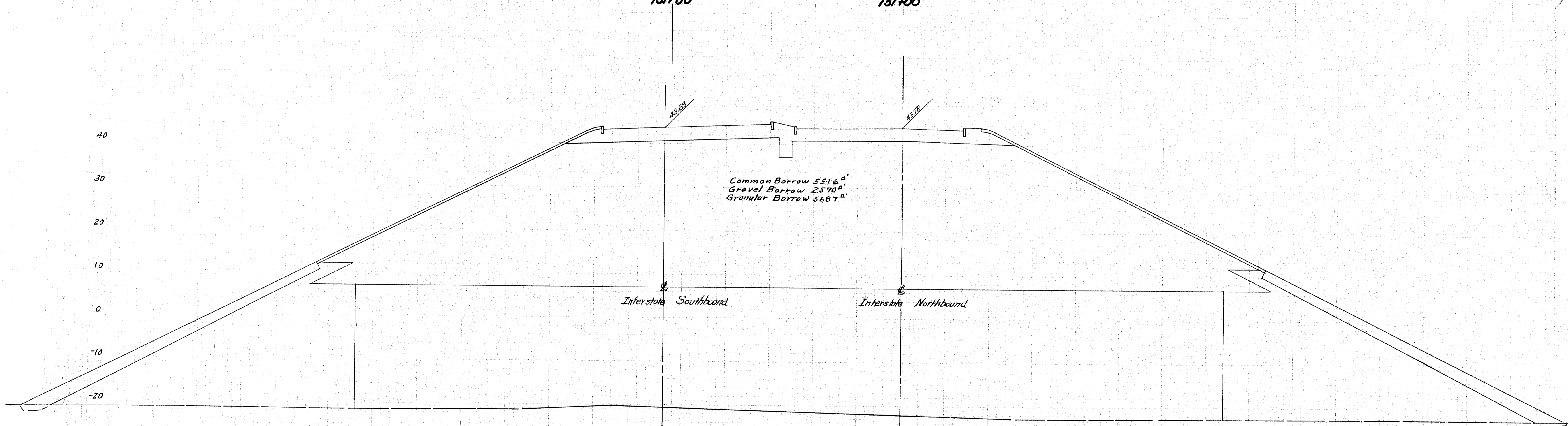
76-137



STATE	FED. AID	SHEET	TOTAL
MAINE	700-104	78	166
I-205-2043 80			



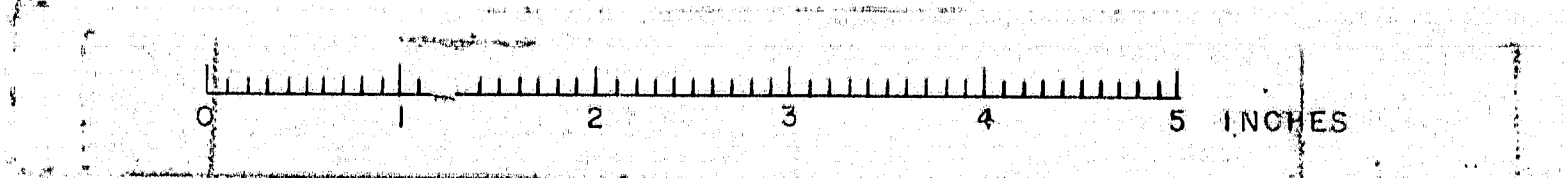
Common Borrow 573.2^{sq}
 Gravel Borrow 284.0^{sq}
 Granular Borrow 62.14^{sq}

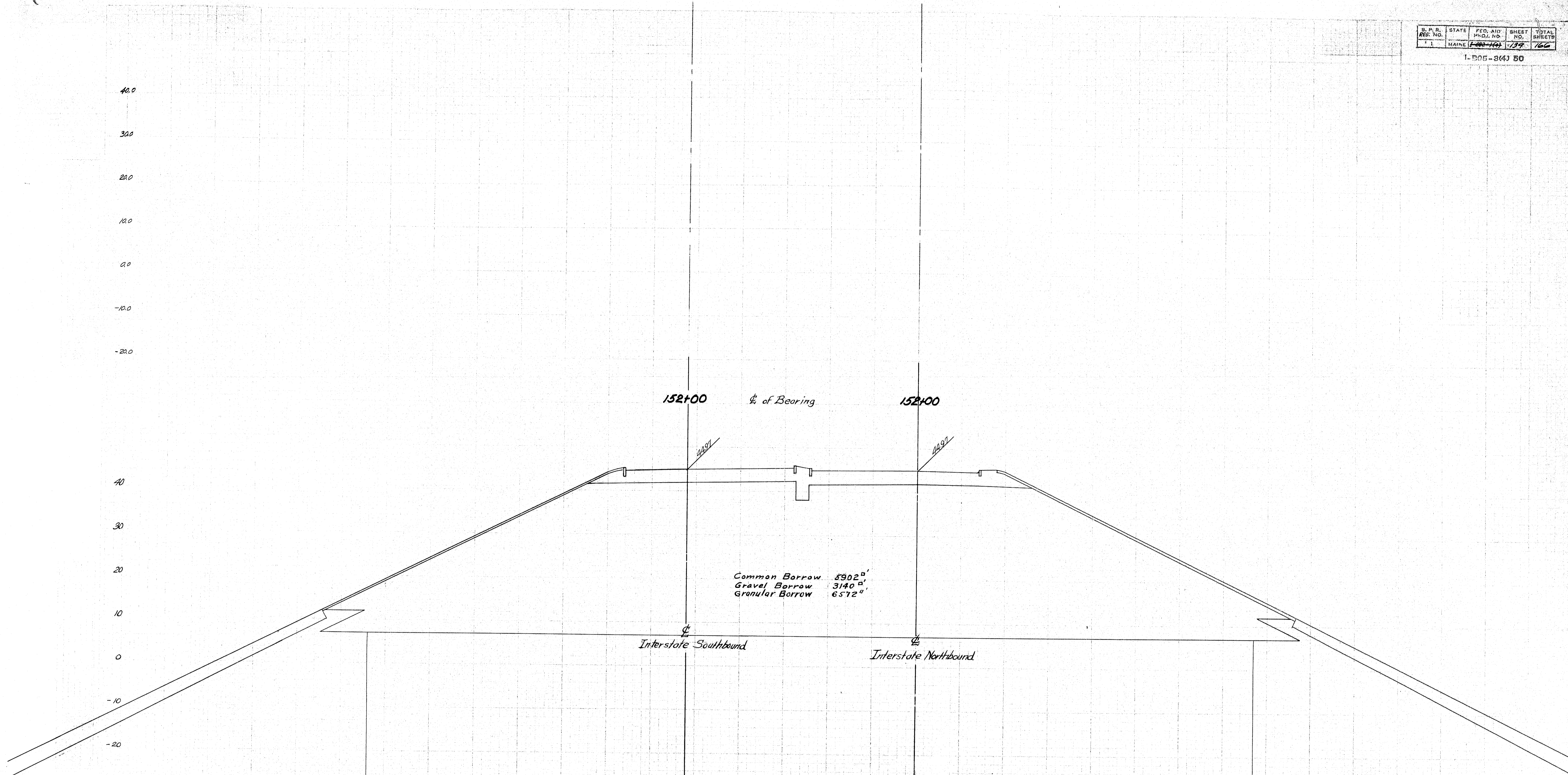


Common Borrow 551.6^{sq}
 Gravel Borrow 257.0^{sq}
 Granular Borrow 568.7^{sq}

Granular & Gravel Borrow below El. 7.0
 Common Borrow above El. 7.0
 Rip Rap Hand laid from El. -4.5 to 12.0

DESIGN - BARNES CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 78 OF 166 AUGUSTA, MAINE, OCT. 1957.	

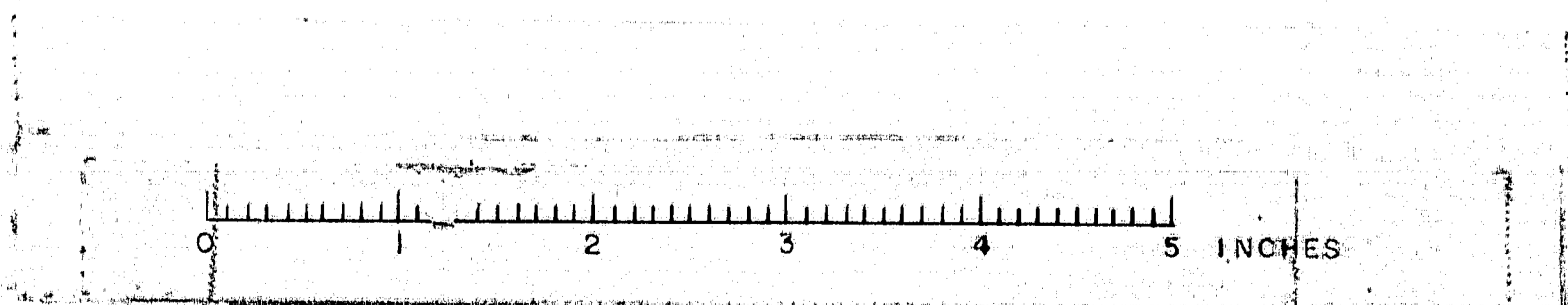


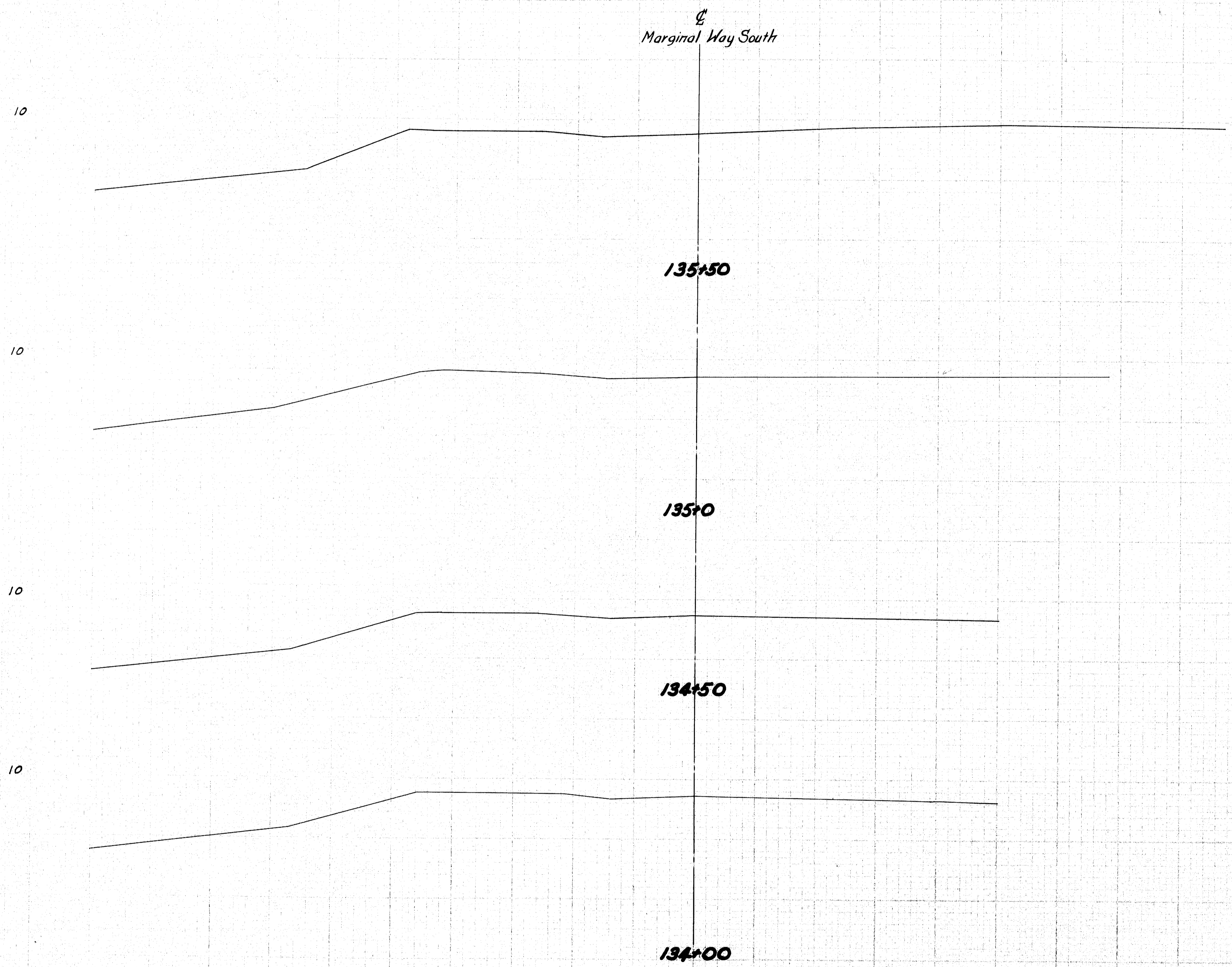


Common Borrow 5902'
 Gravel Borrow 3140'
 Granular Borrow 6572'

Granular & Gravel Borrow below El. 7.0
 Common Borrow above El. 7.0
 Rip Rap Hand Laid from El. 4.5 to 12.0

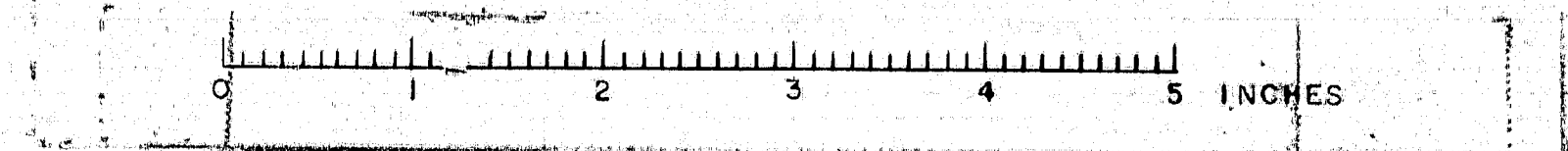
DESIGN - BARNES TRACE - Coffin CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER BACK COVE	
IN THE CITY OF PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 139 OF 166 AUGUSTA, MAINE, OCT. 1957	





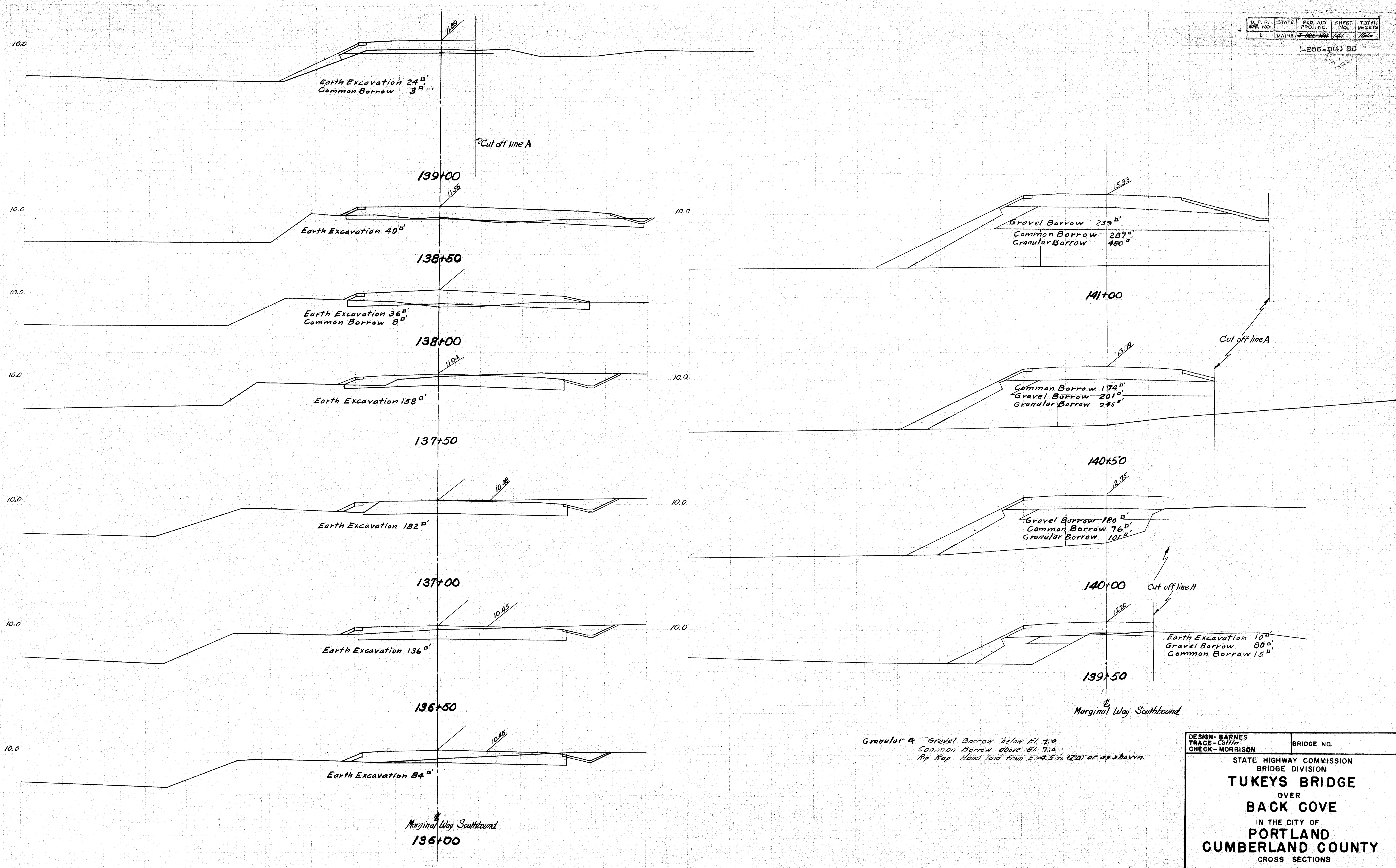
DESIGN - BARNES TRACE - BARNES CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION TUKEYS BRIDGE OVER BACK COVE IN THE CITY OF PORTLAND CUMBERLAND COUNTY CROSS SECTIONS	
SHEET 140 OF 166 AUGUSTA, MAINE. OCT. 1957.	

76-140



B.P. R.	STATE	FED. AID	SHEET	TOTAL
APP. NO.		PROJ. NO.	NO.	SHEETS
1	MAINE	7-602-166	141	166

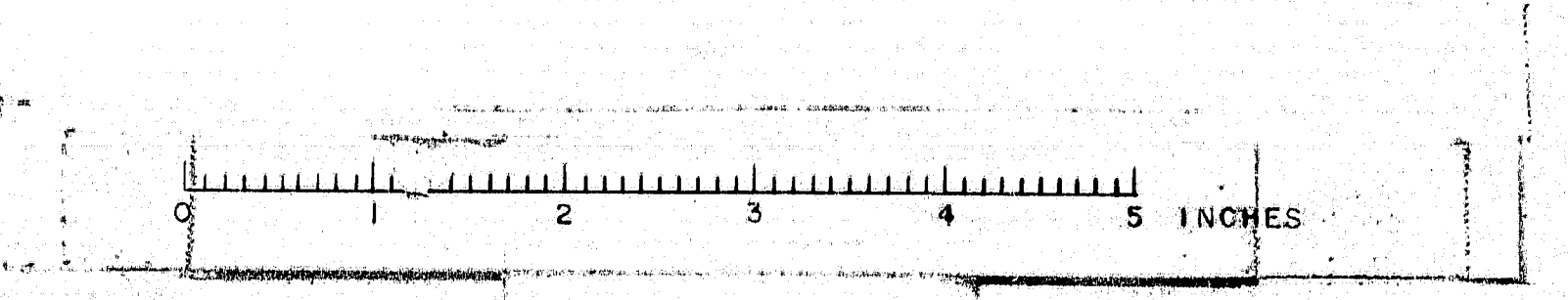
1-B05-3(4) 50

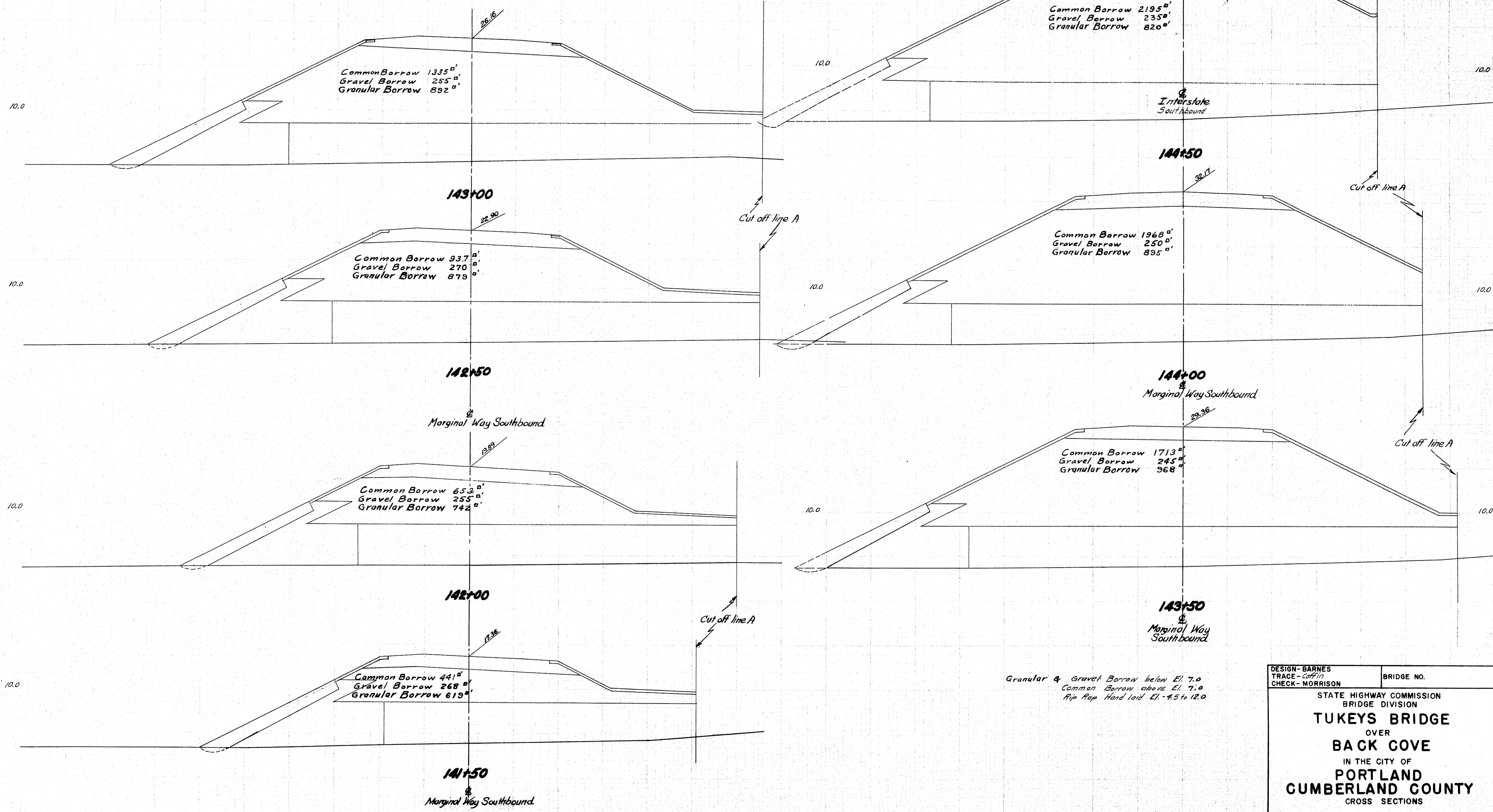


Granular & Gravel Borrow below El. 7.0
 Common Borrow above El. 7.0
 Rip Rap Hand laid from El. 4.5 to 12.0 or as shown.

DESIGN - BARNES TRACE - CUTLER CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 141 OF 166 AUGUSTA, MAINE, OCT. 1957	

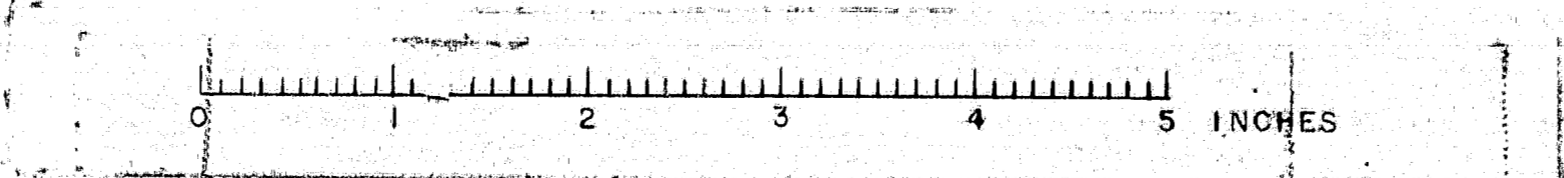
76-141

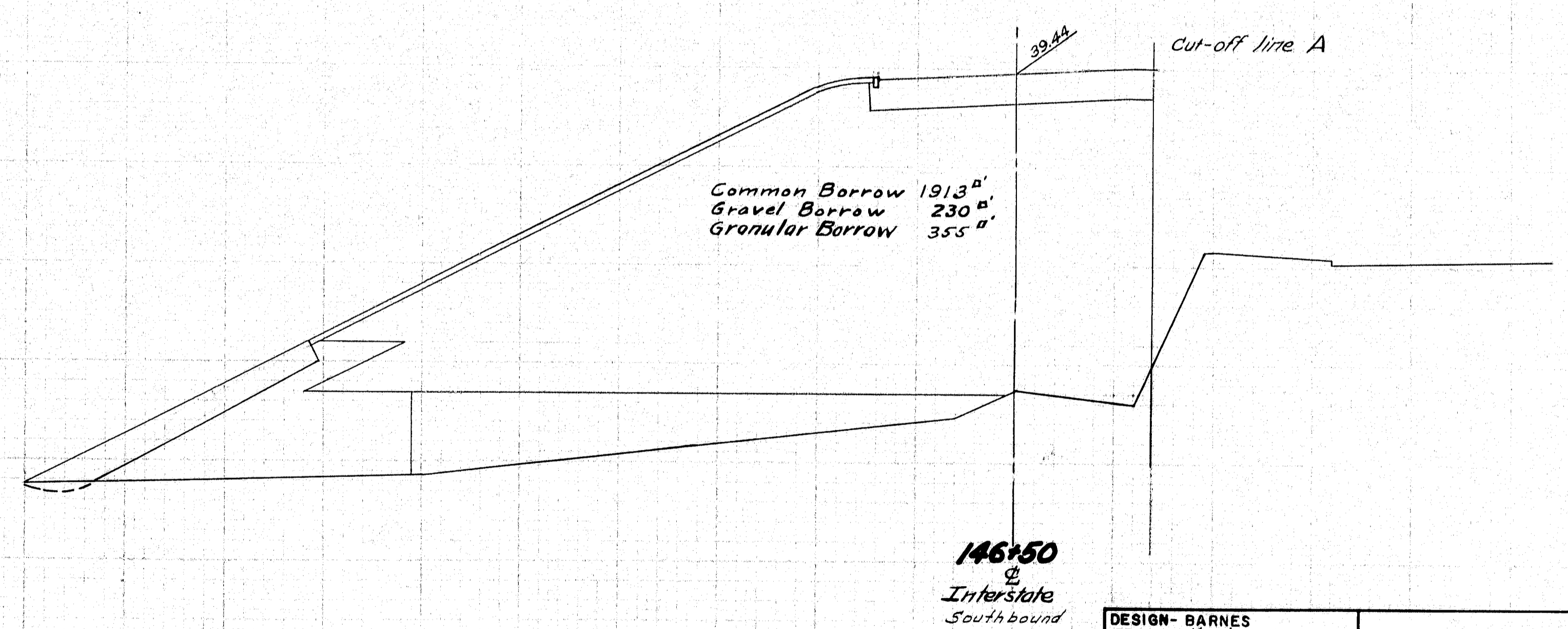
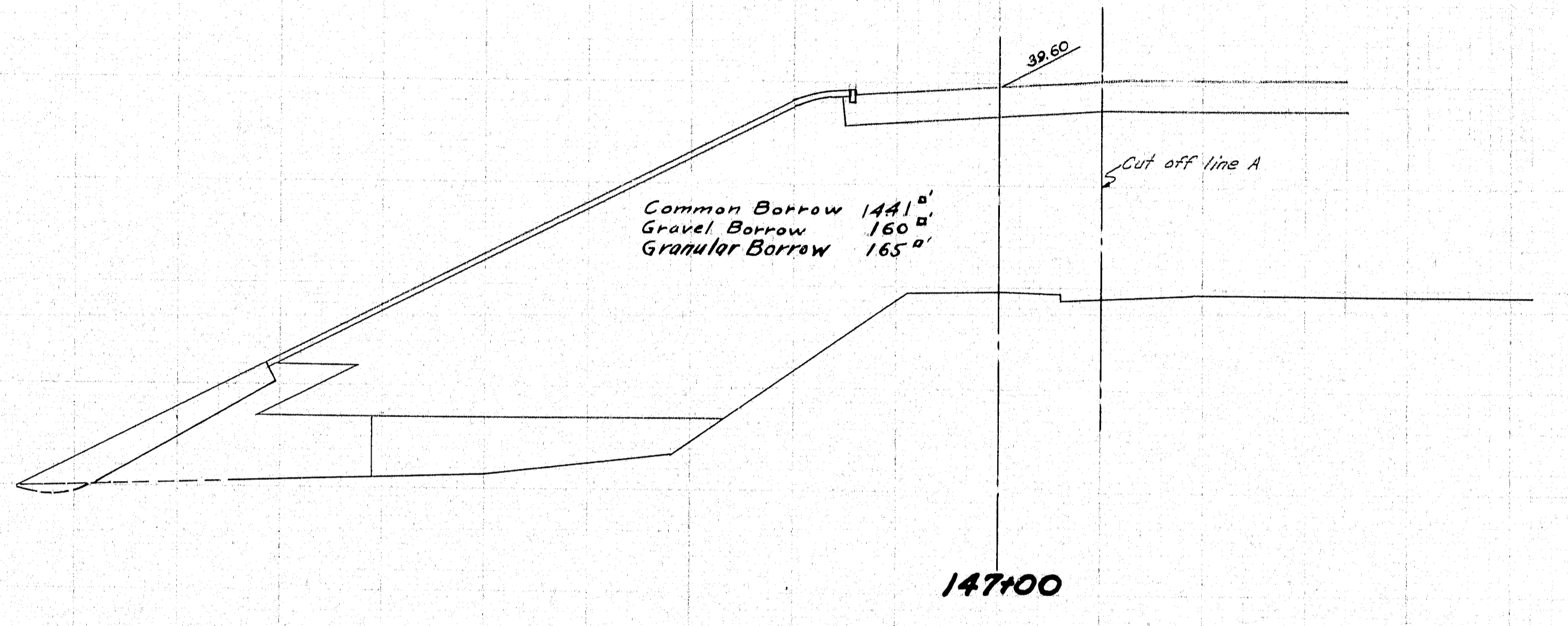
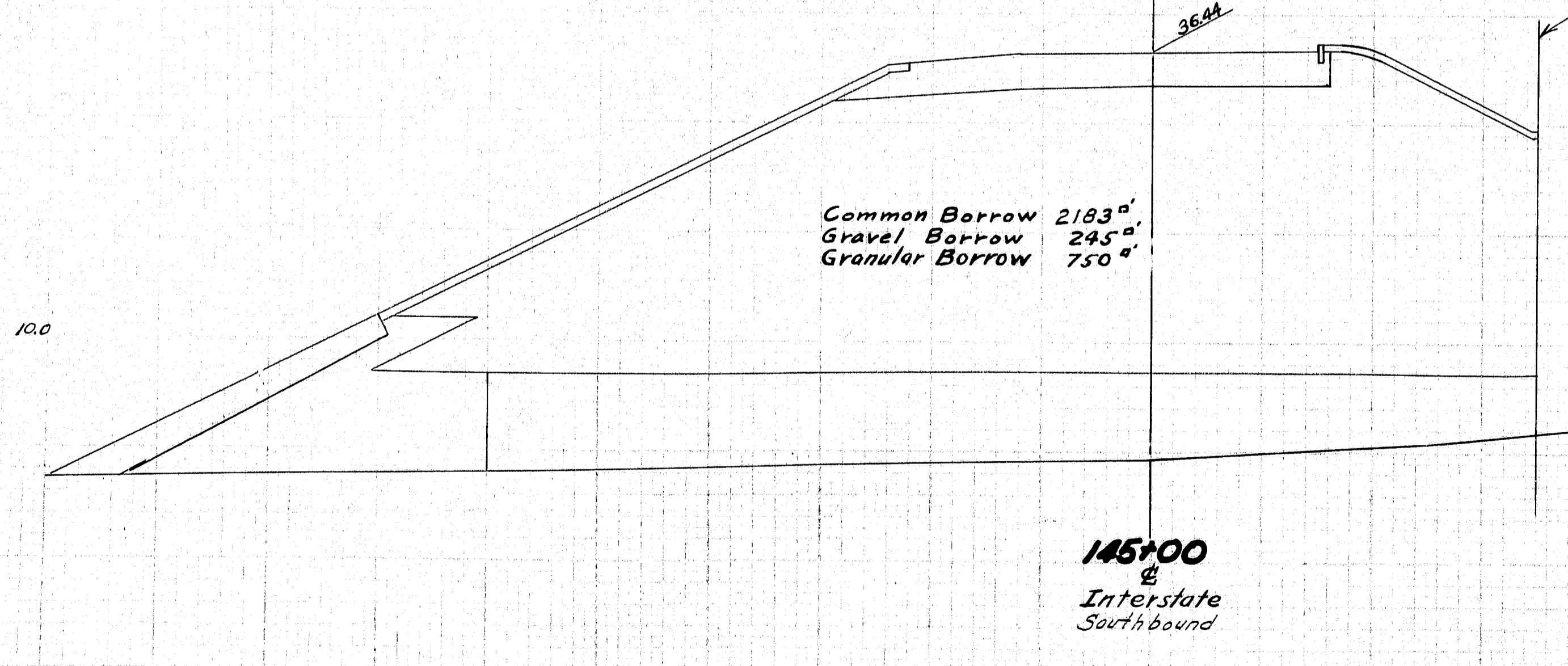
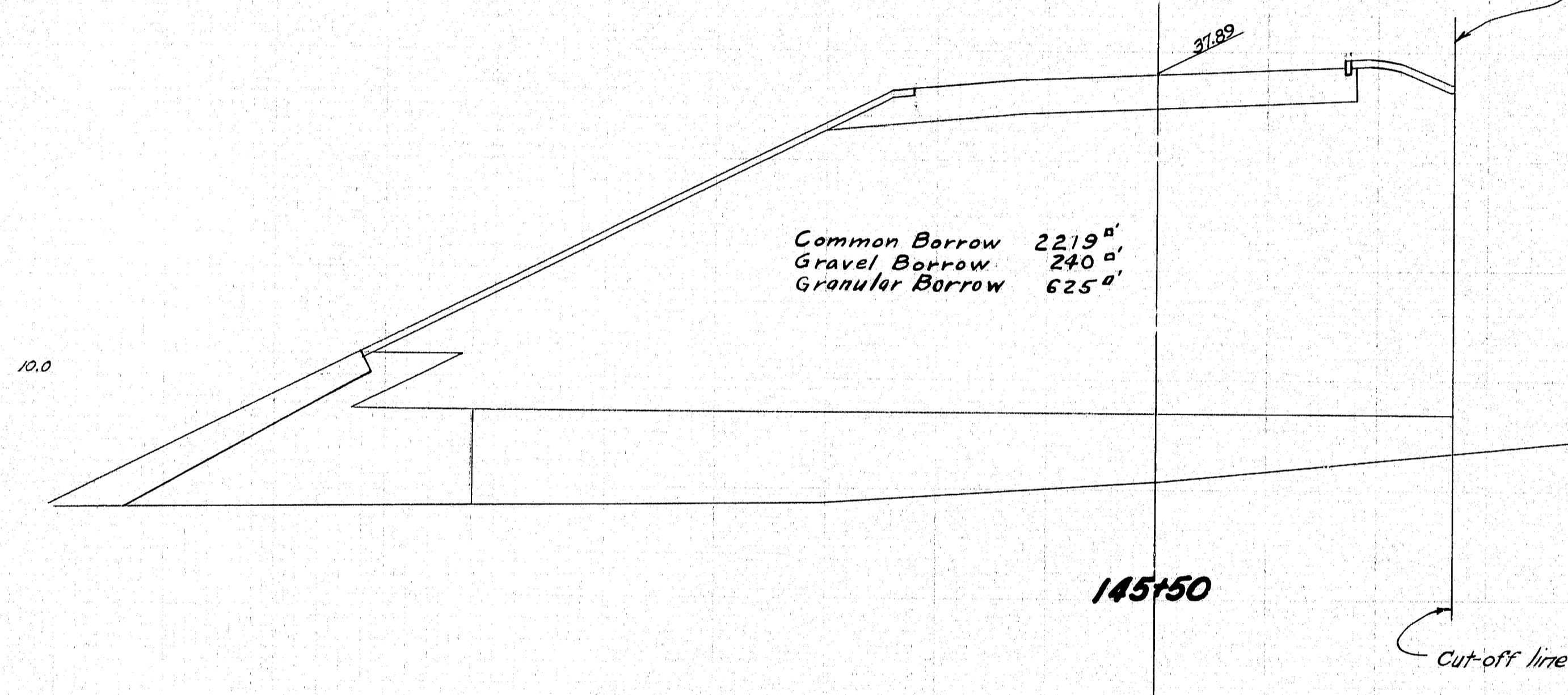
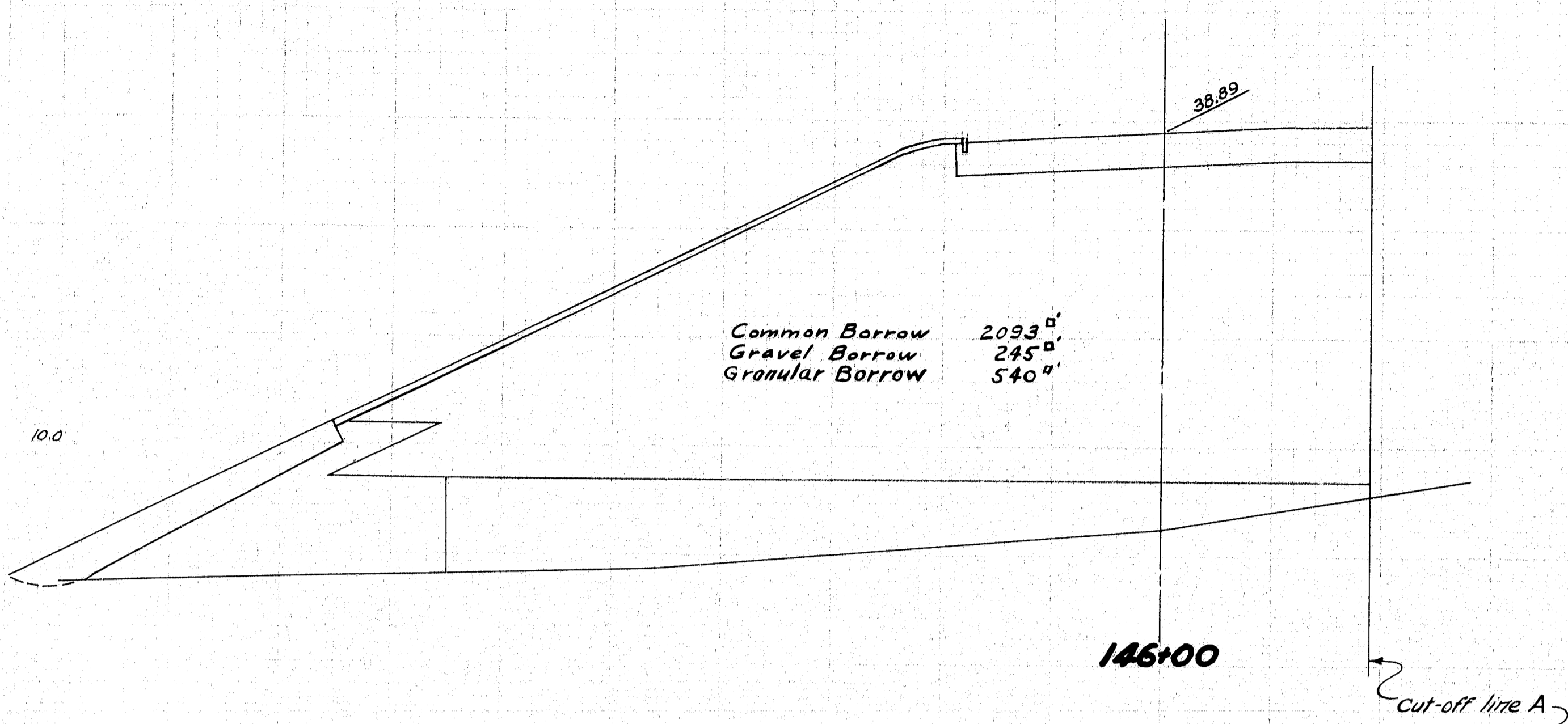




Granular & Gravel Borrow below El. 7.0
 Common Borrow above El. 7.0
 Rip Rap Hand laid El. -4.5 to 12.0

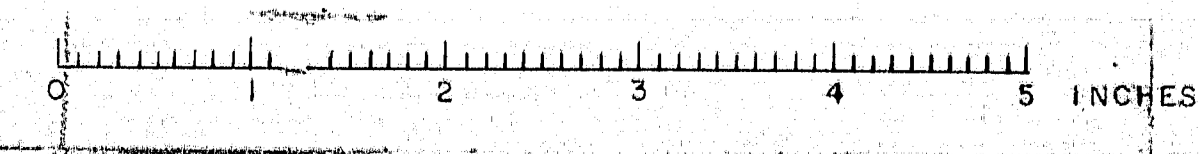
DESIGN - BARNES	BRIDGE NO.
TRACE - COFFIN	
CHECK - MORRISON	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 142 OF 166 AUGUSTA, MAINE, OCT. 1957	

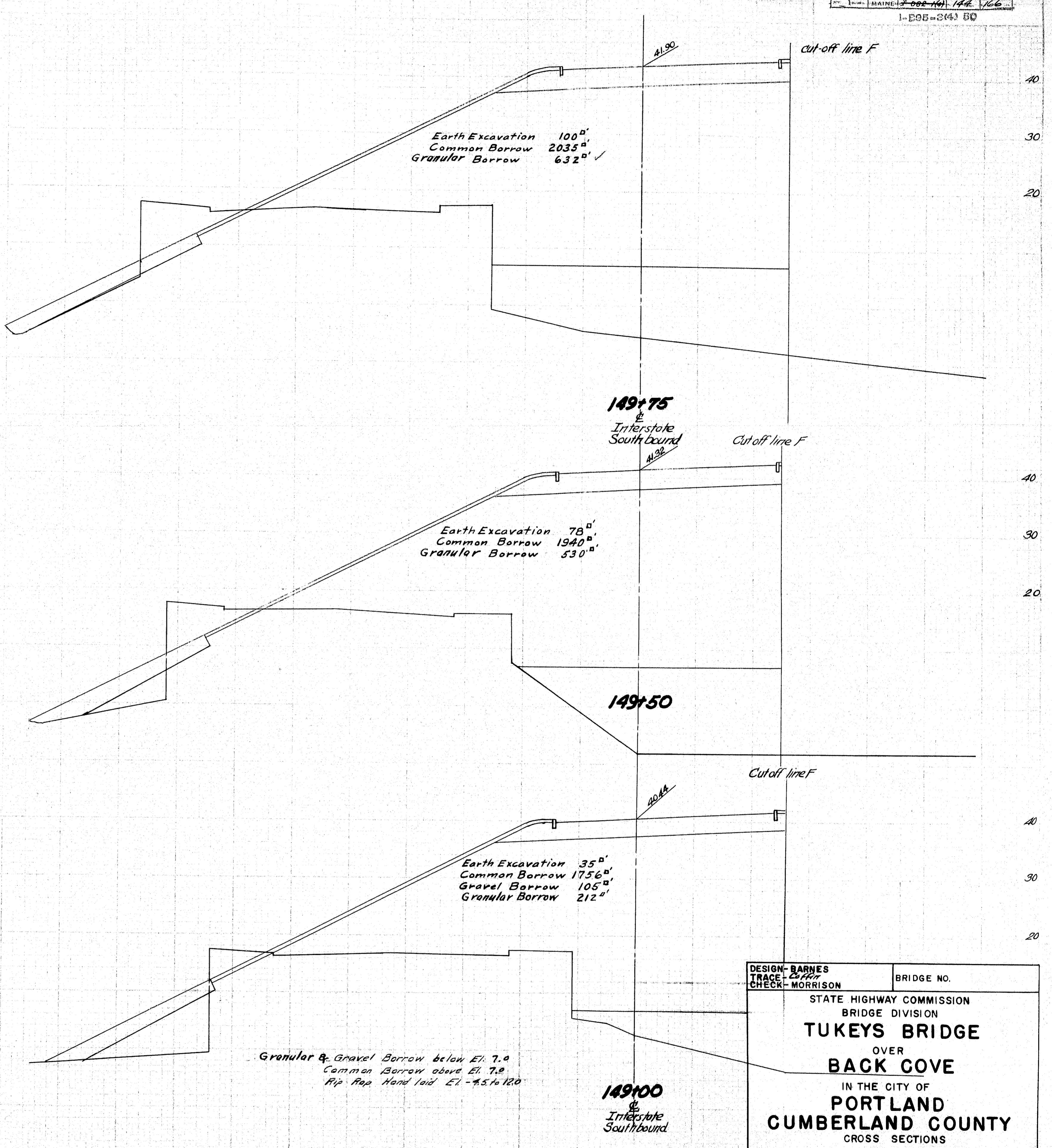
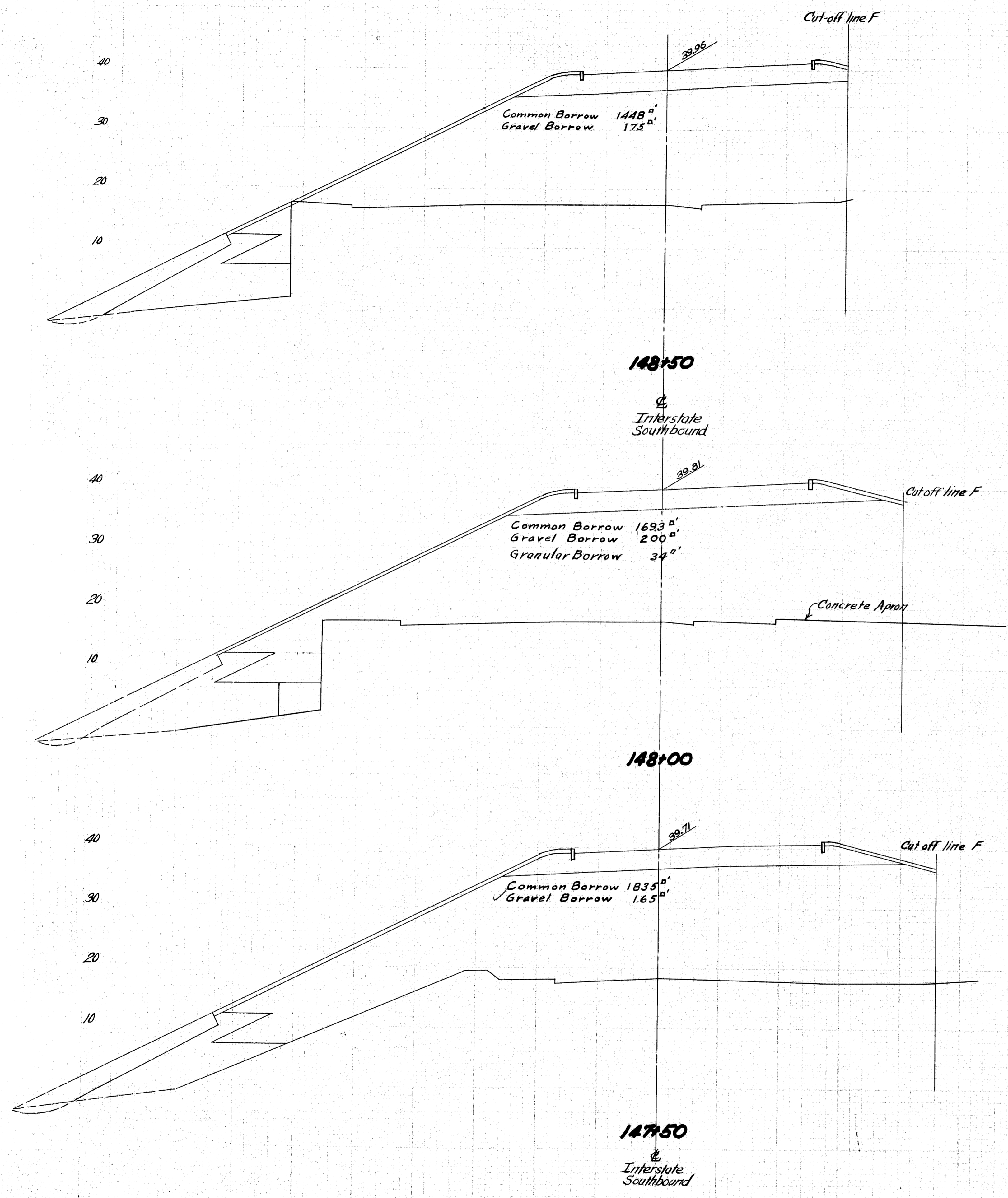




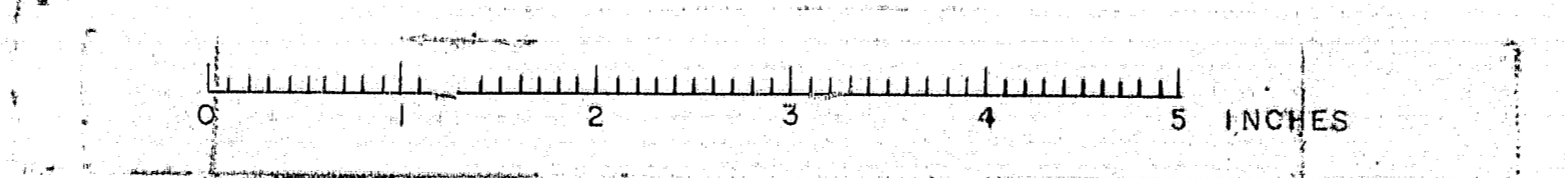
Granular & gravel Borrow below El. 7.0
Common Borrow above El. 7.0
Rip Rap Hand laid from El. 4.5 to 12.0

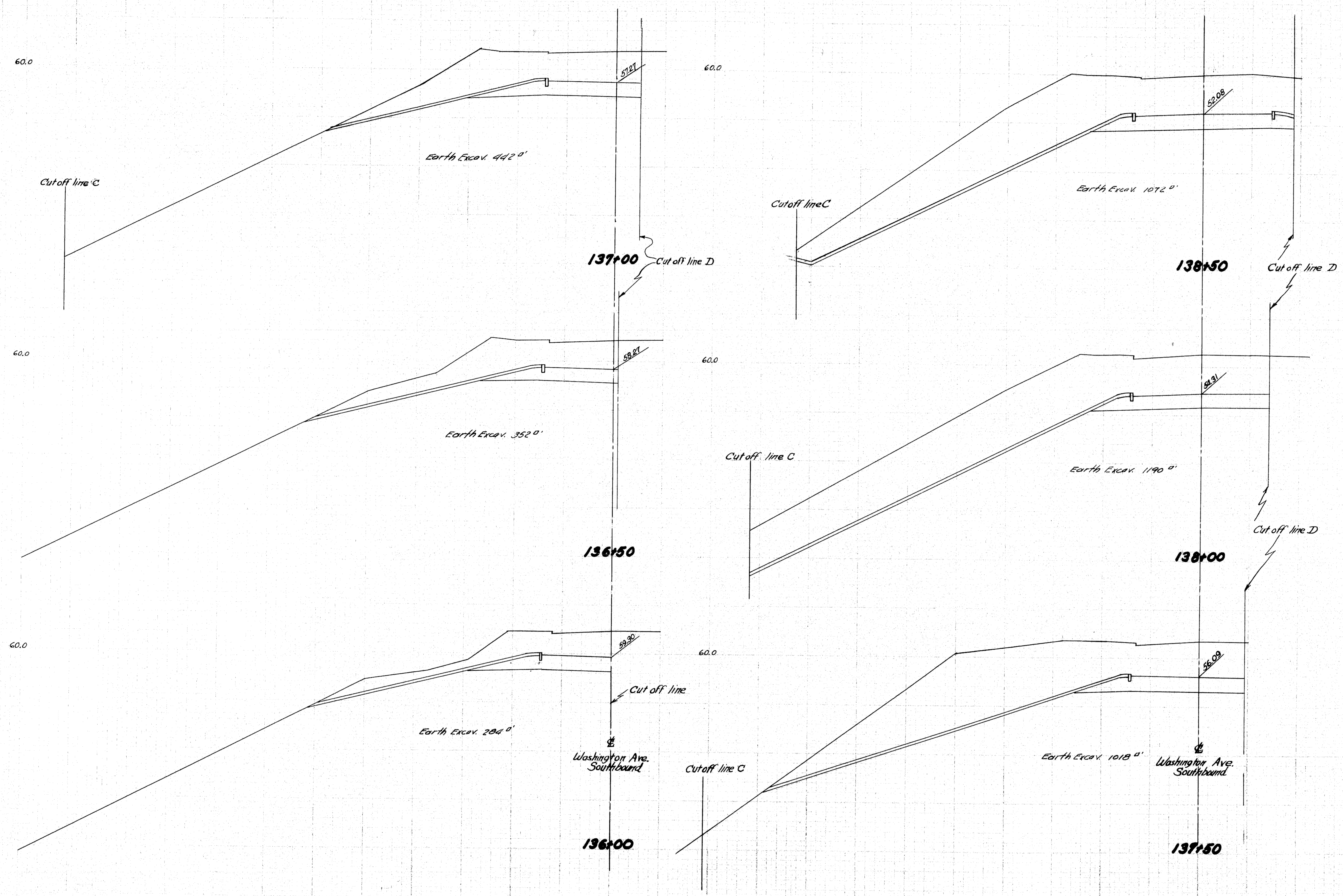
DESIGN - BARNES TRACE - MORRISON CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 143 OF 166 AUGUSTA, MAINE, OCT. 1957	



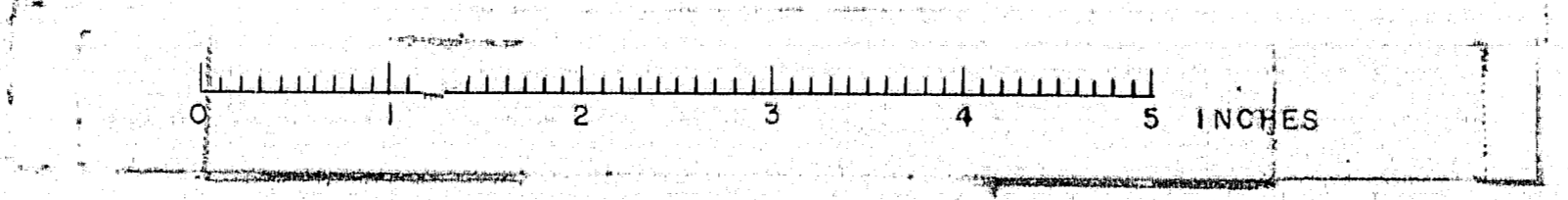


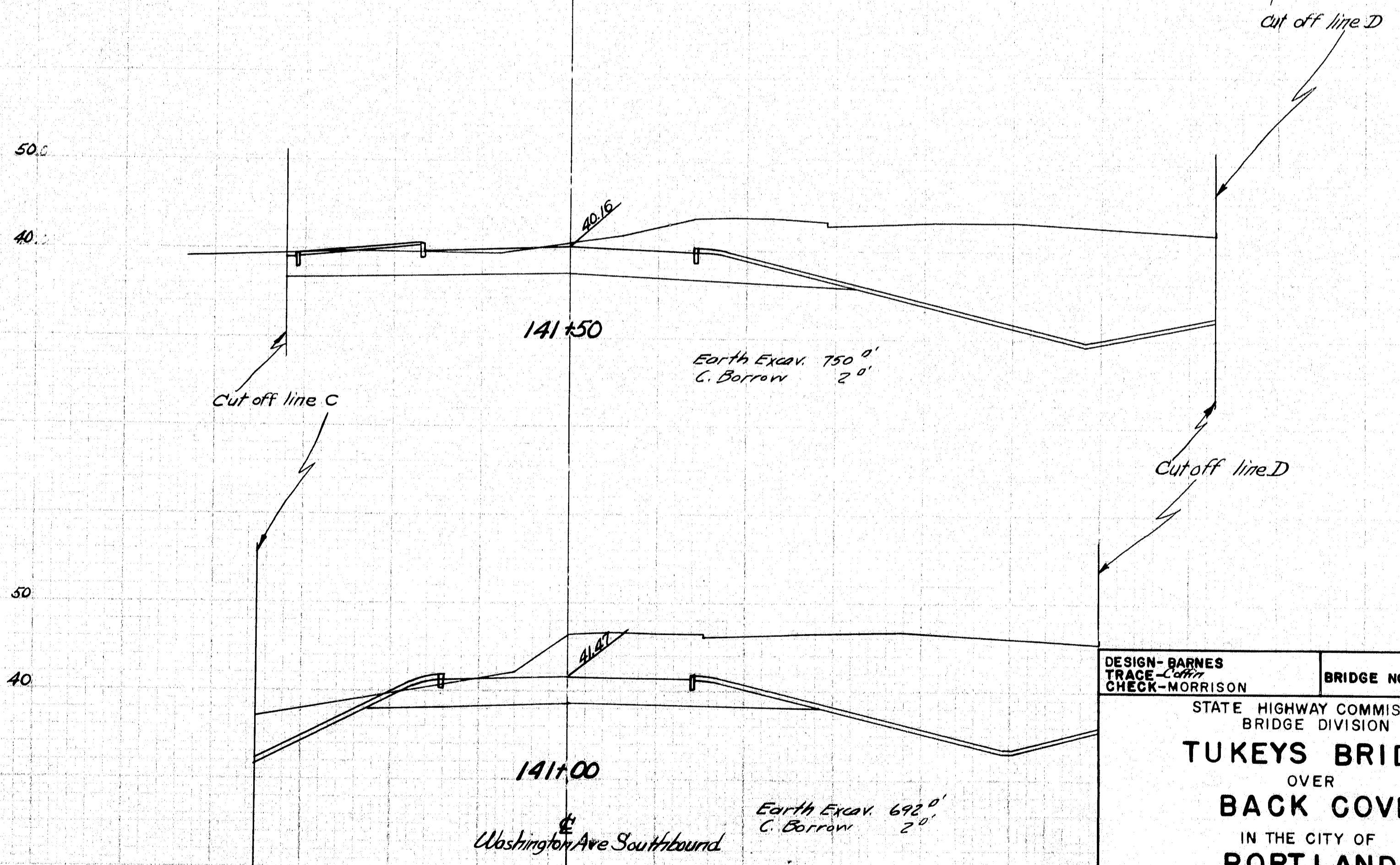
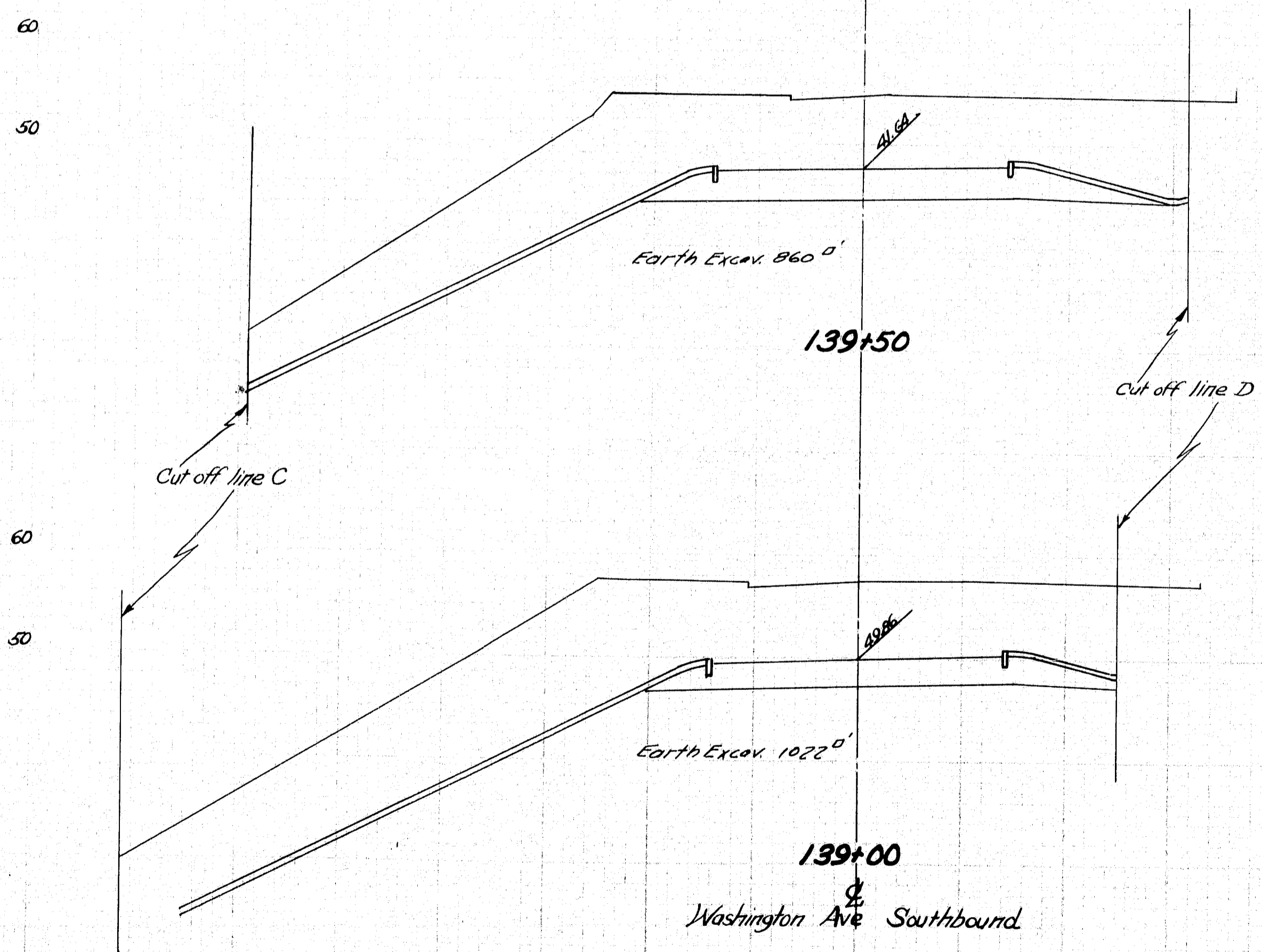
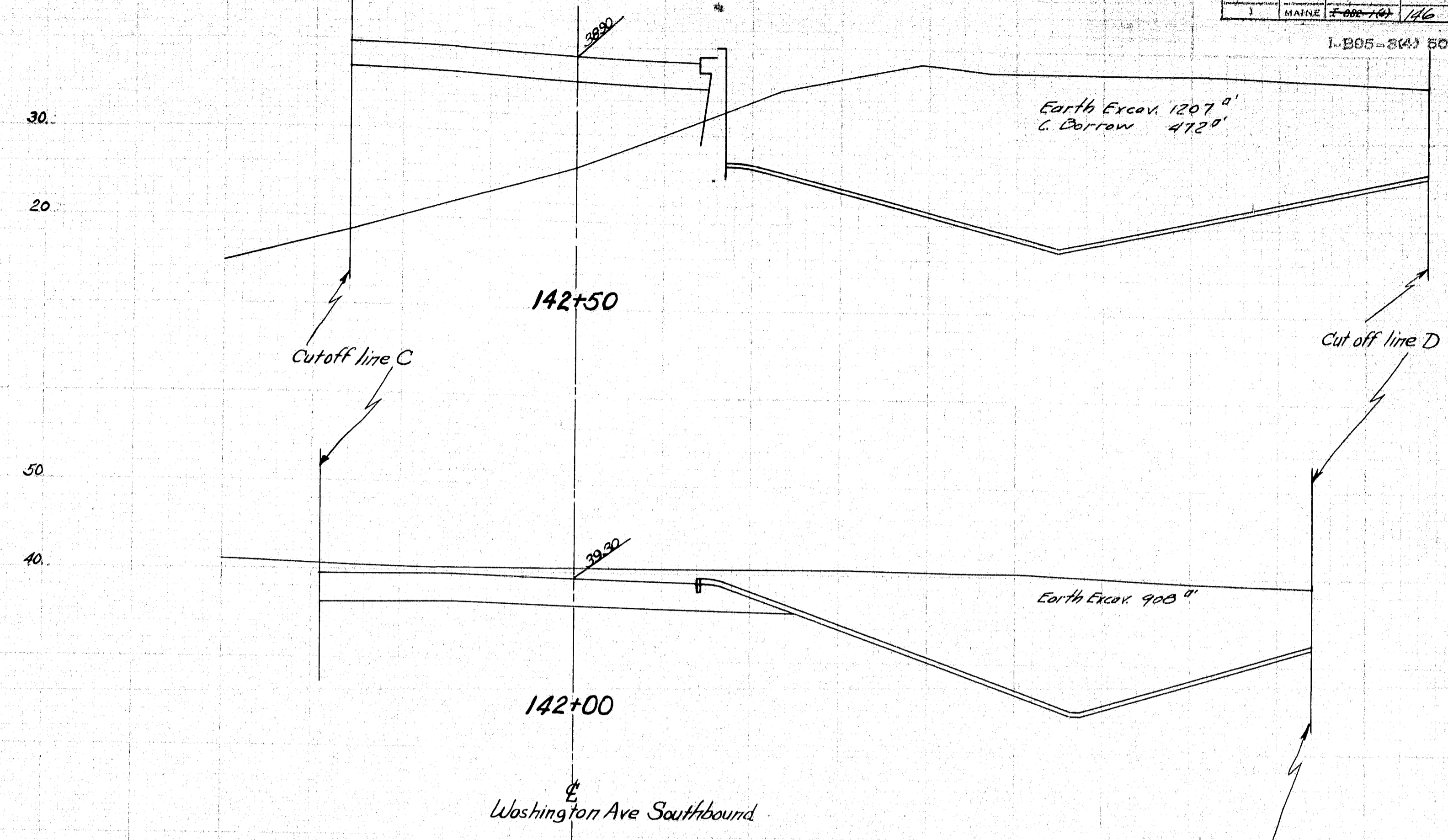
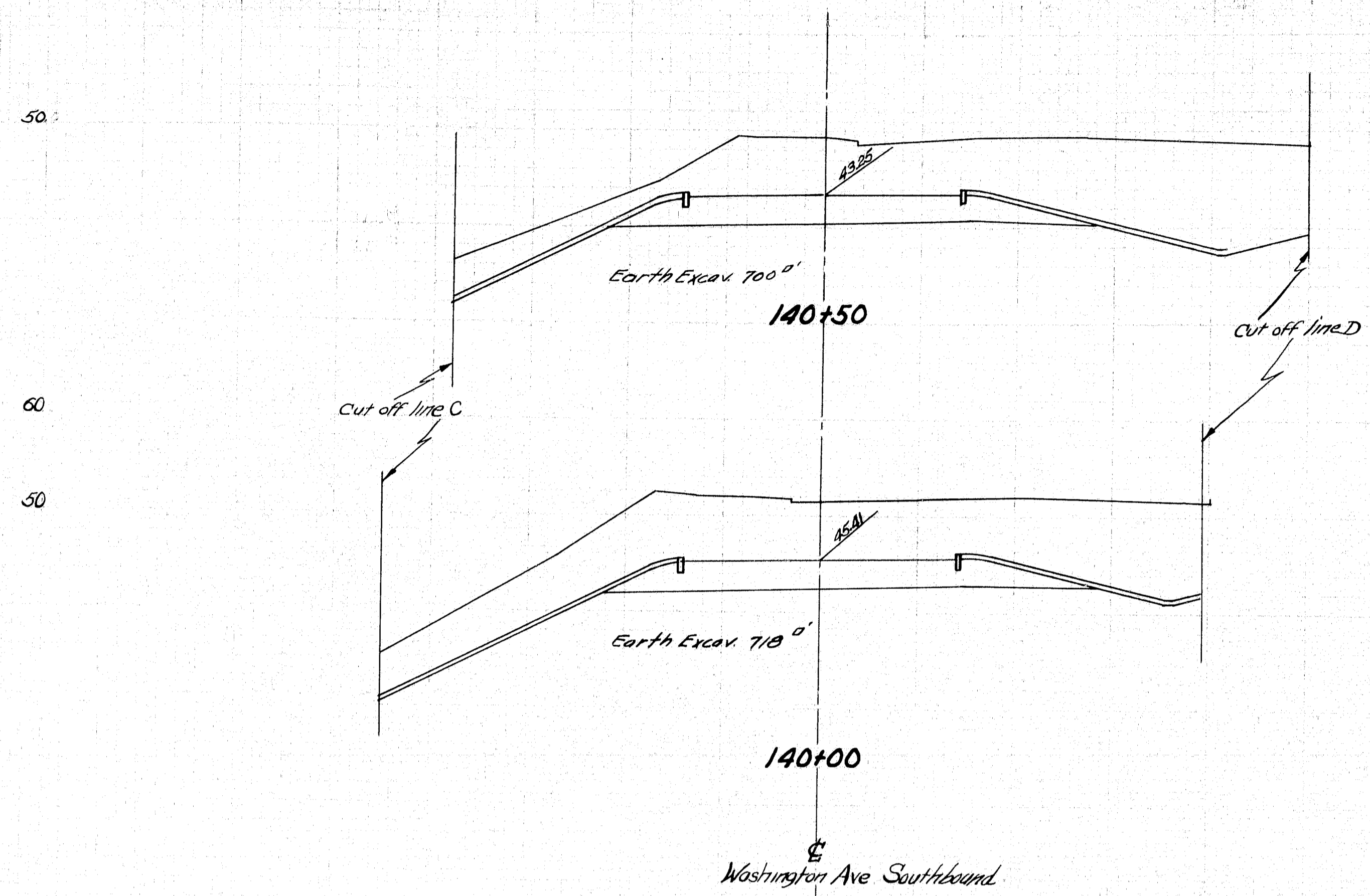
DESIGN - BARNES TRACE - BARNES CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER BACK COVE	
IN THE CITY OF PORTLAND CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 144 OF 166 AUGUSTA, MAINE, OCT. 1957	





DESIGN - BARNES TRACE - Coffin CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER BACK COVE	
IN THE CITY OF PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 145 OF 166 AUGUSTA, MAINE, OCT. 1957.	



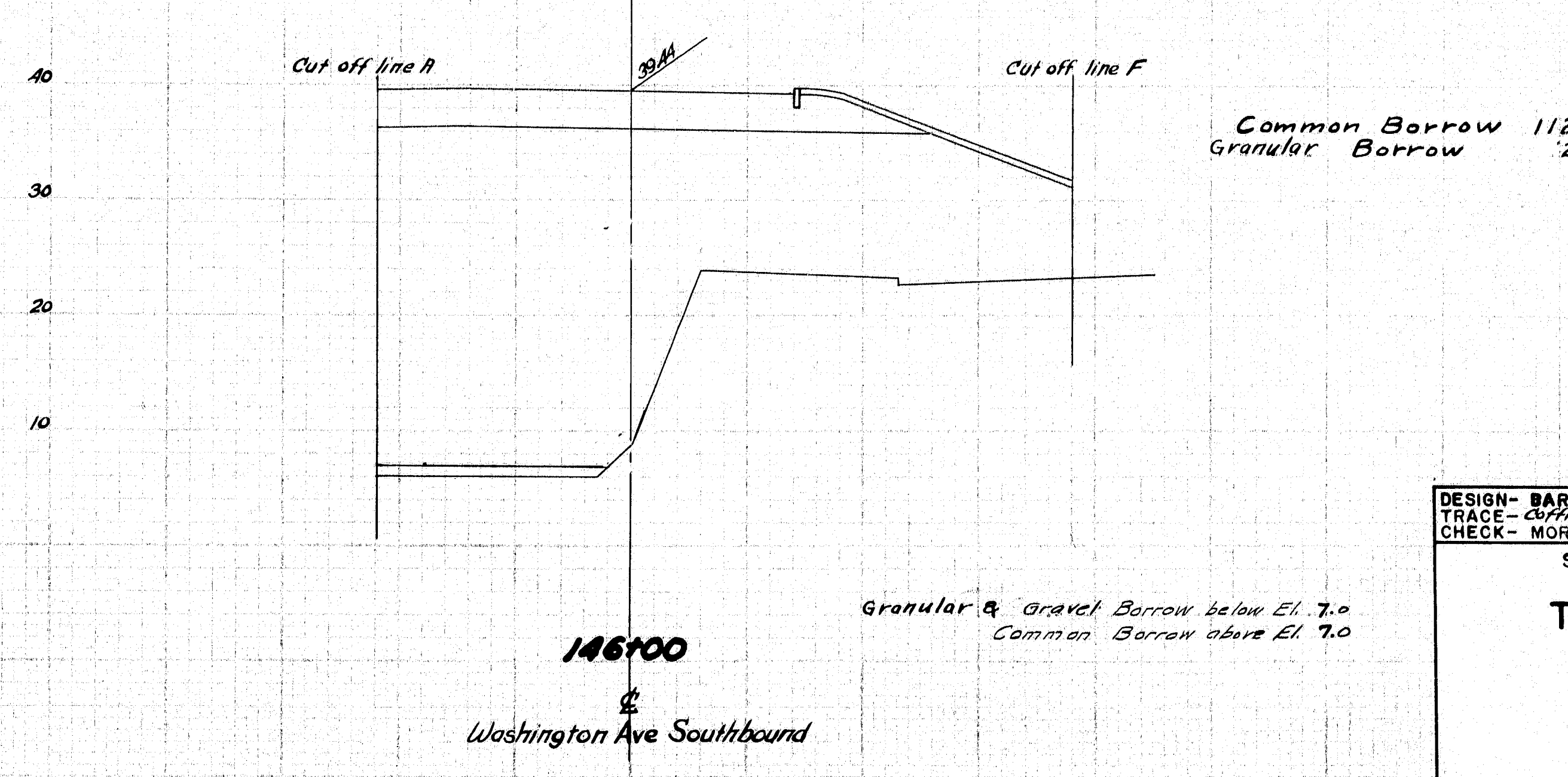
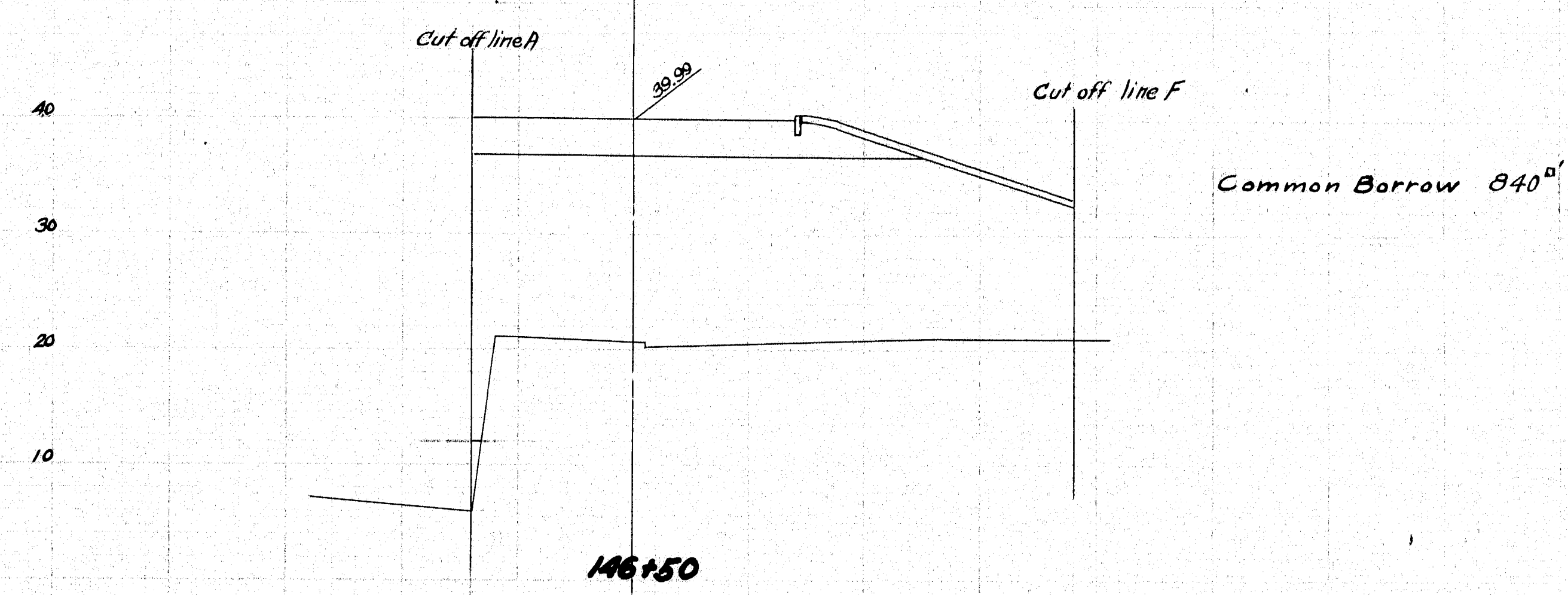
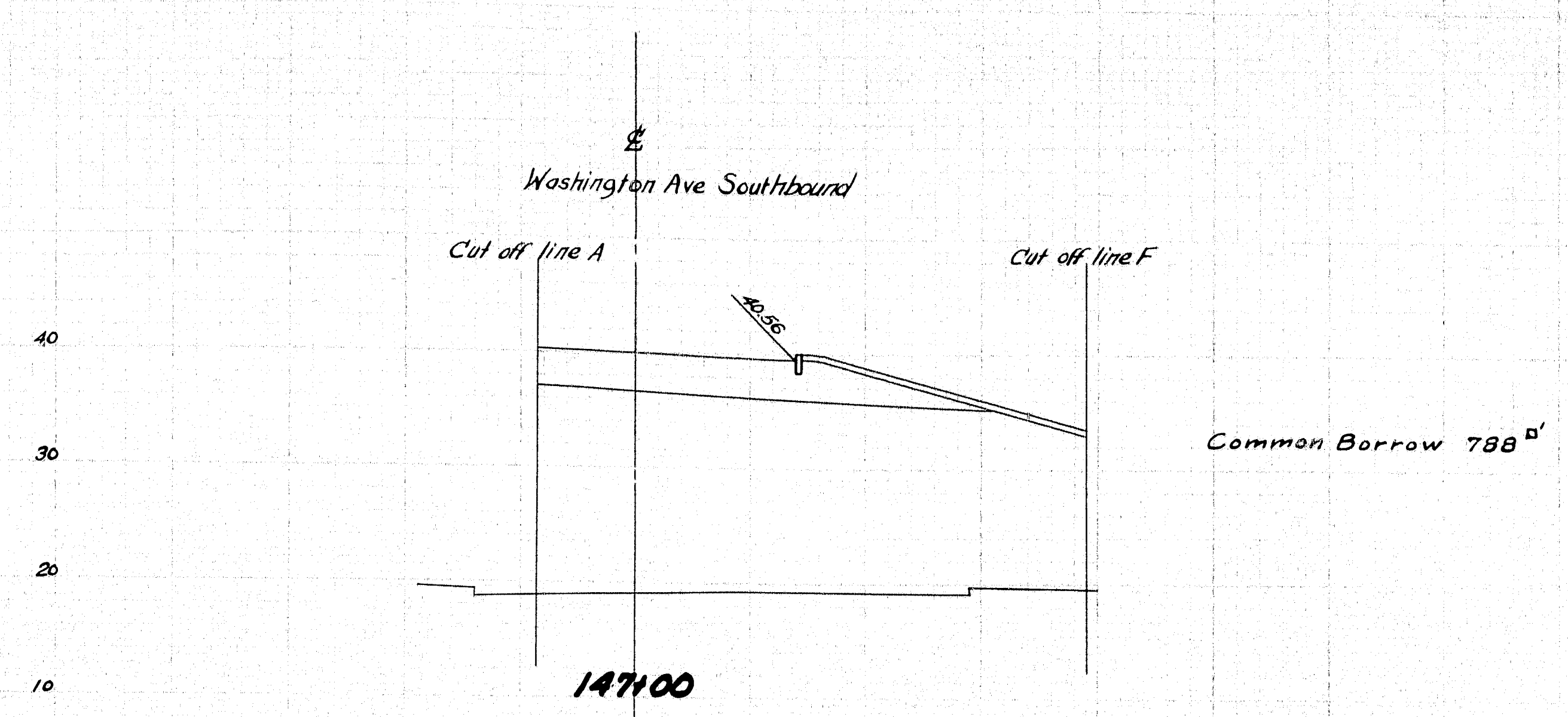
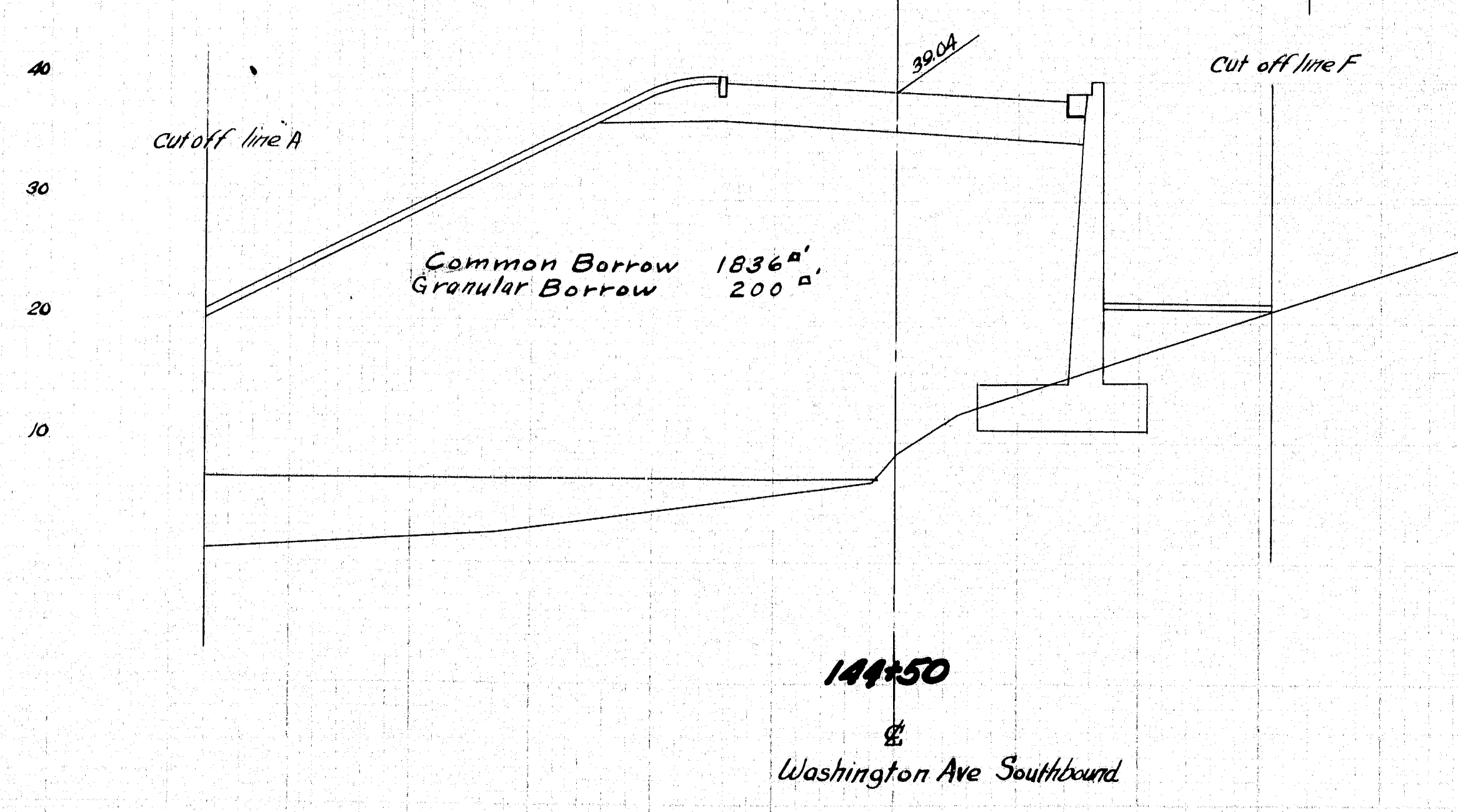
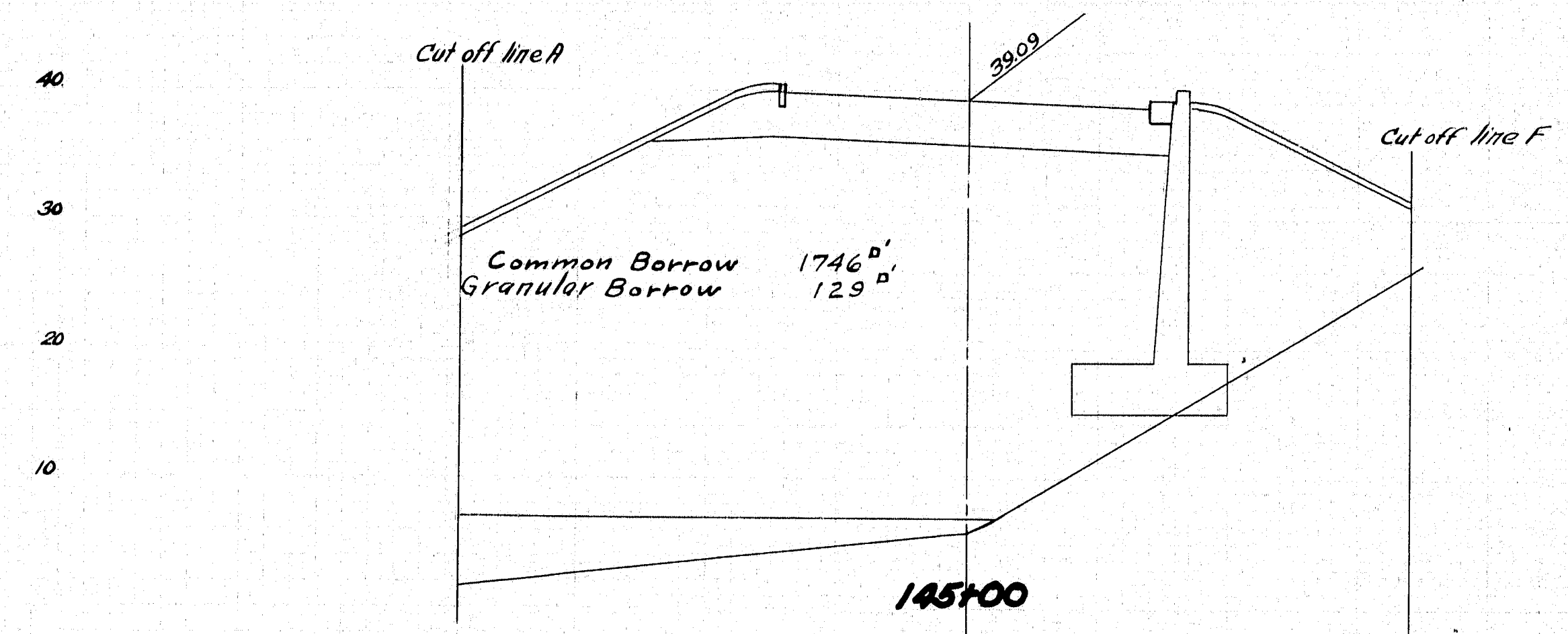
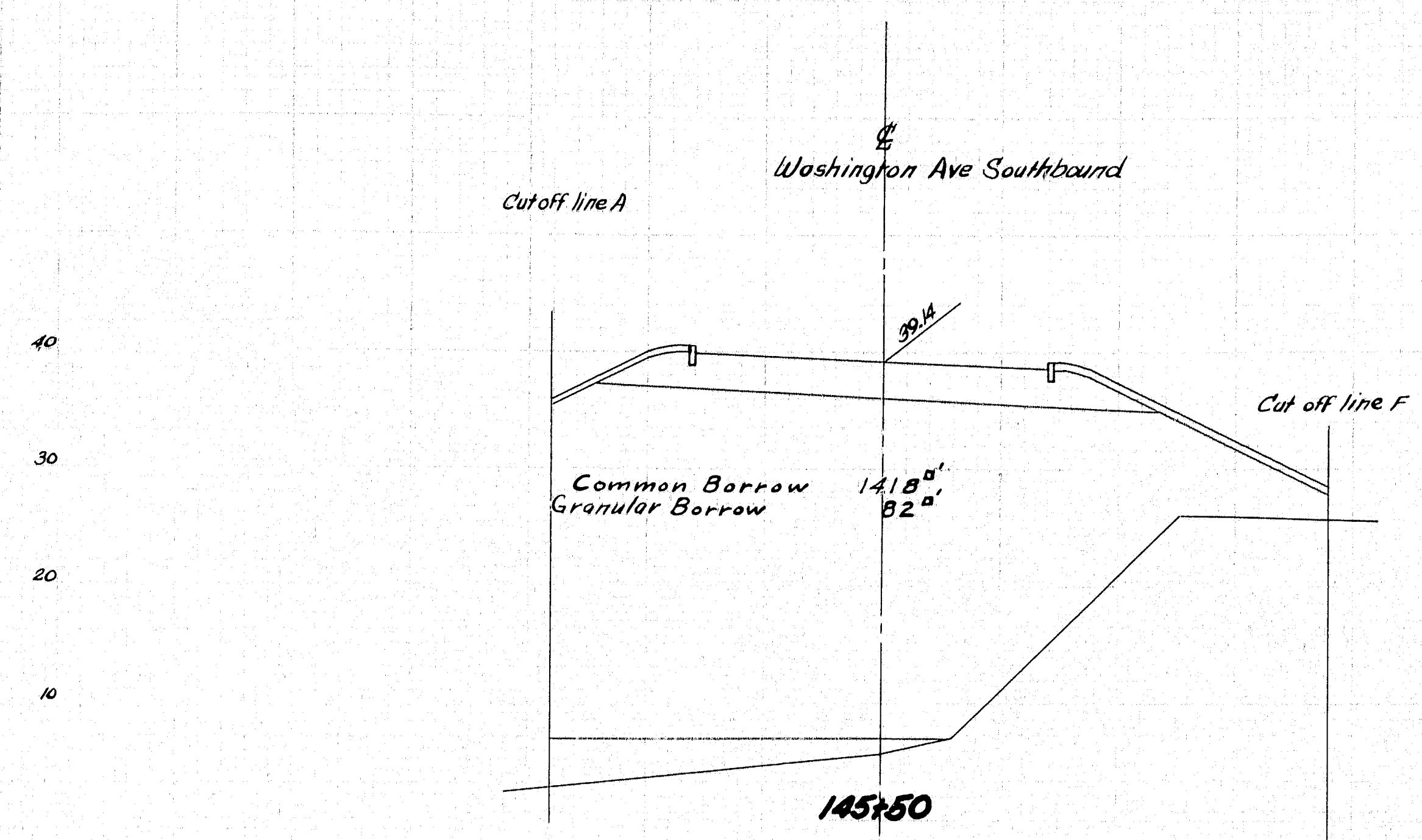


DESIGN-BARNES TRACE- copy CHECK-MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 146 OF 166 AUGUSTA, MAINE, OCT. 1957	



B. N. R. No.	STATE	FED. AID DIST. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1002-166	147	166

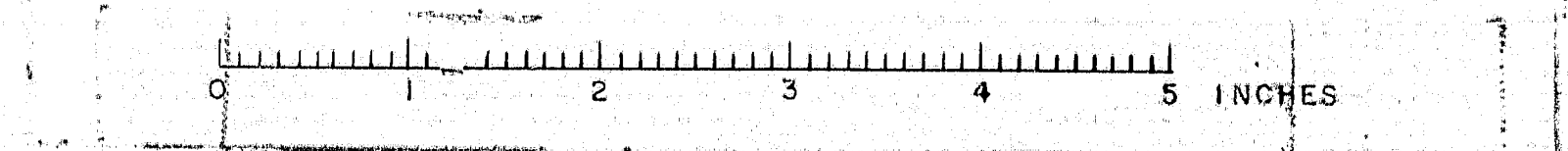
1-795-8(4) 50

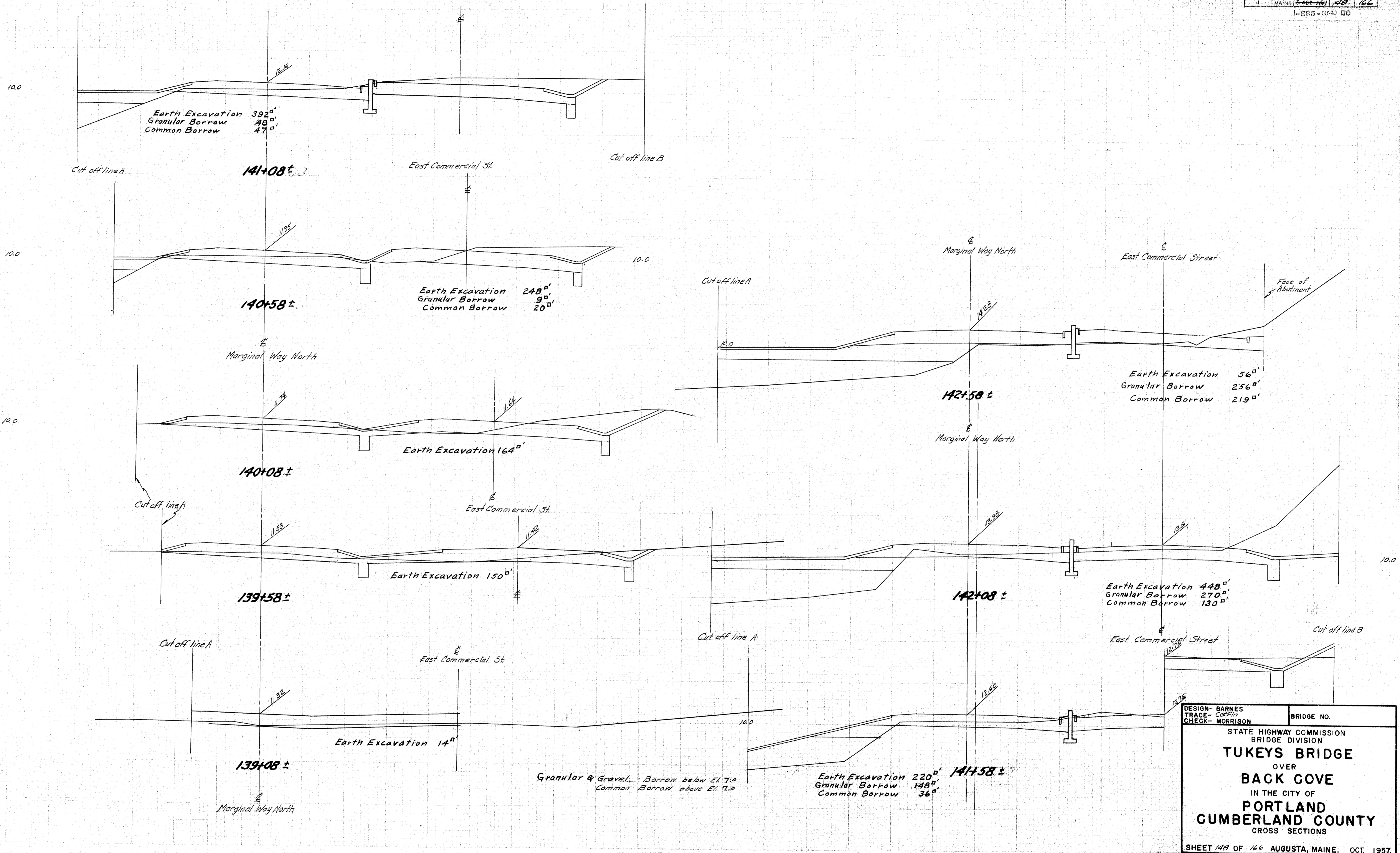


Granular & Gravel Borrow below El. 7.0
Common Borrow above El. 7.0

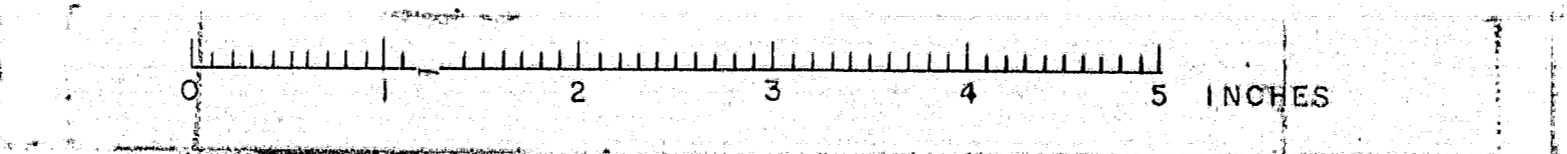
DESIGN - BARNES TRACE - <i>CB/111</i> CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER BACK COVE	
IN THE CITY OF PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 147 OF 166 AUGUSTA, MAINE, OCT. 1957	

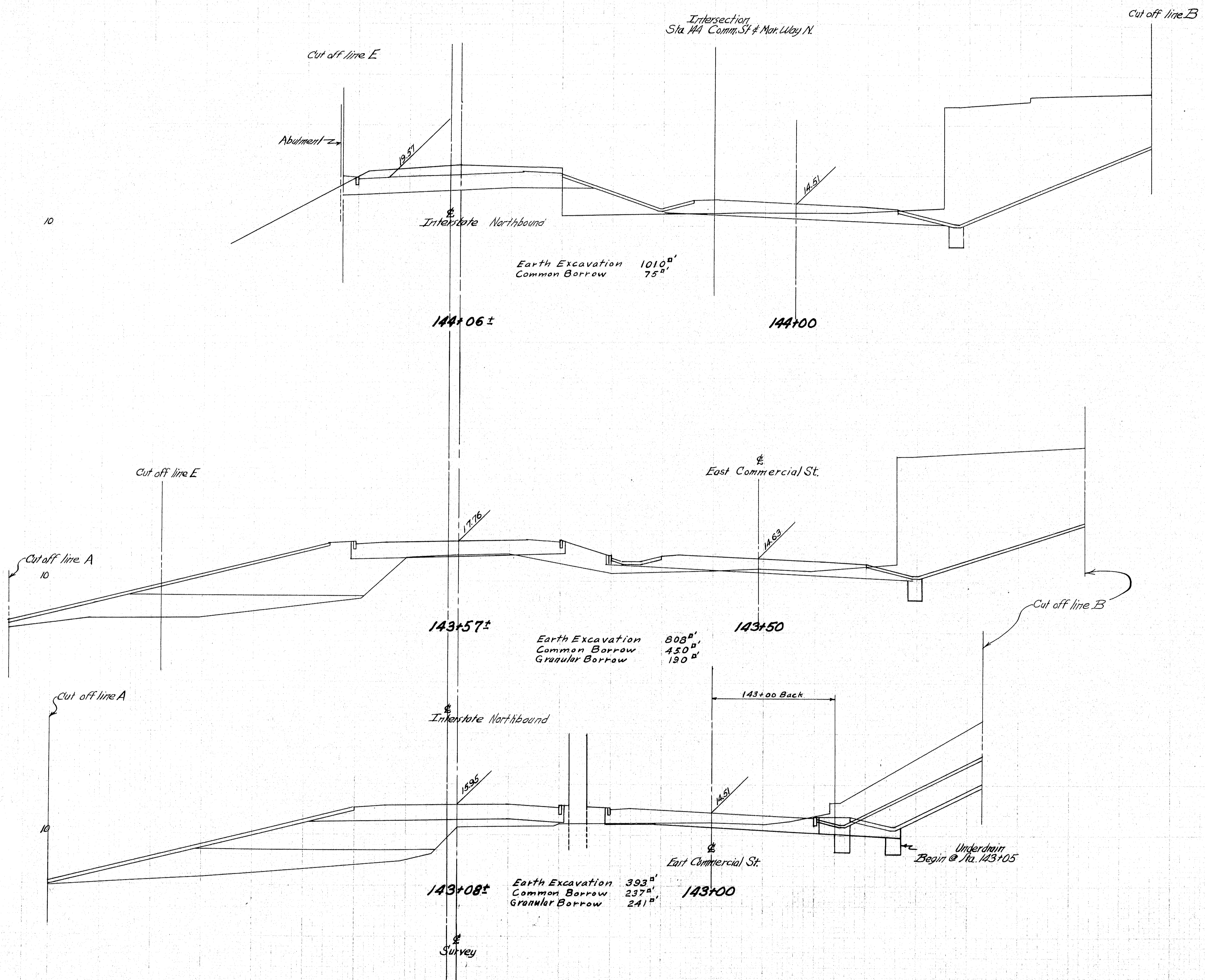
76-147



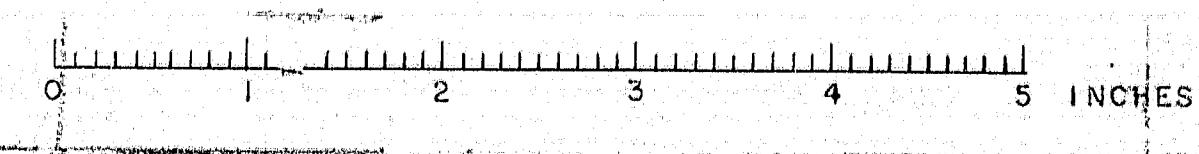


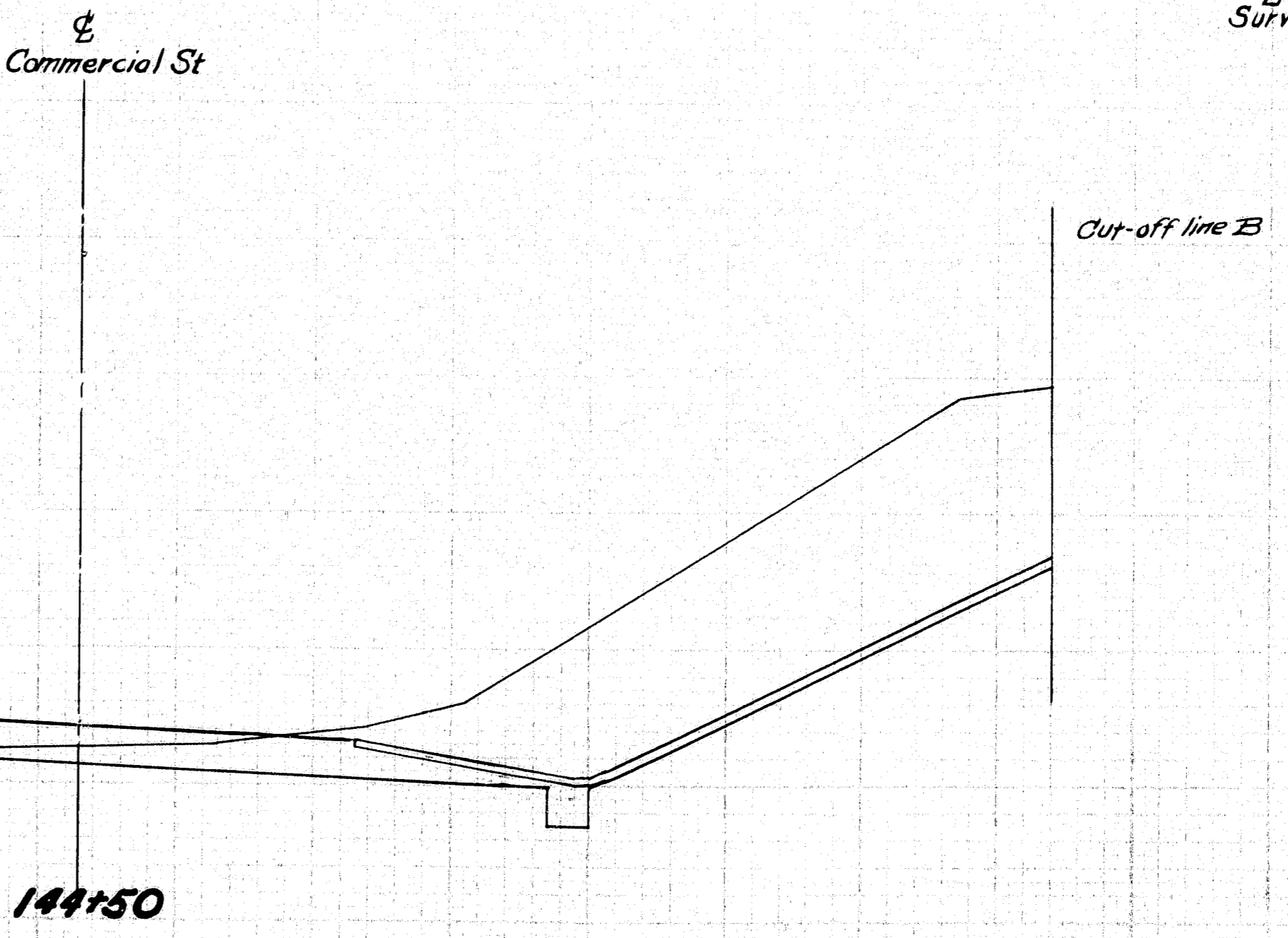
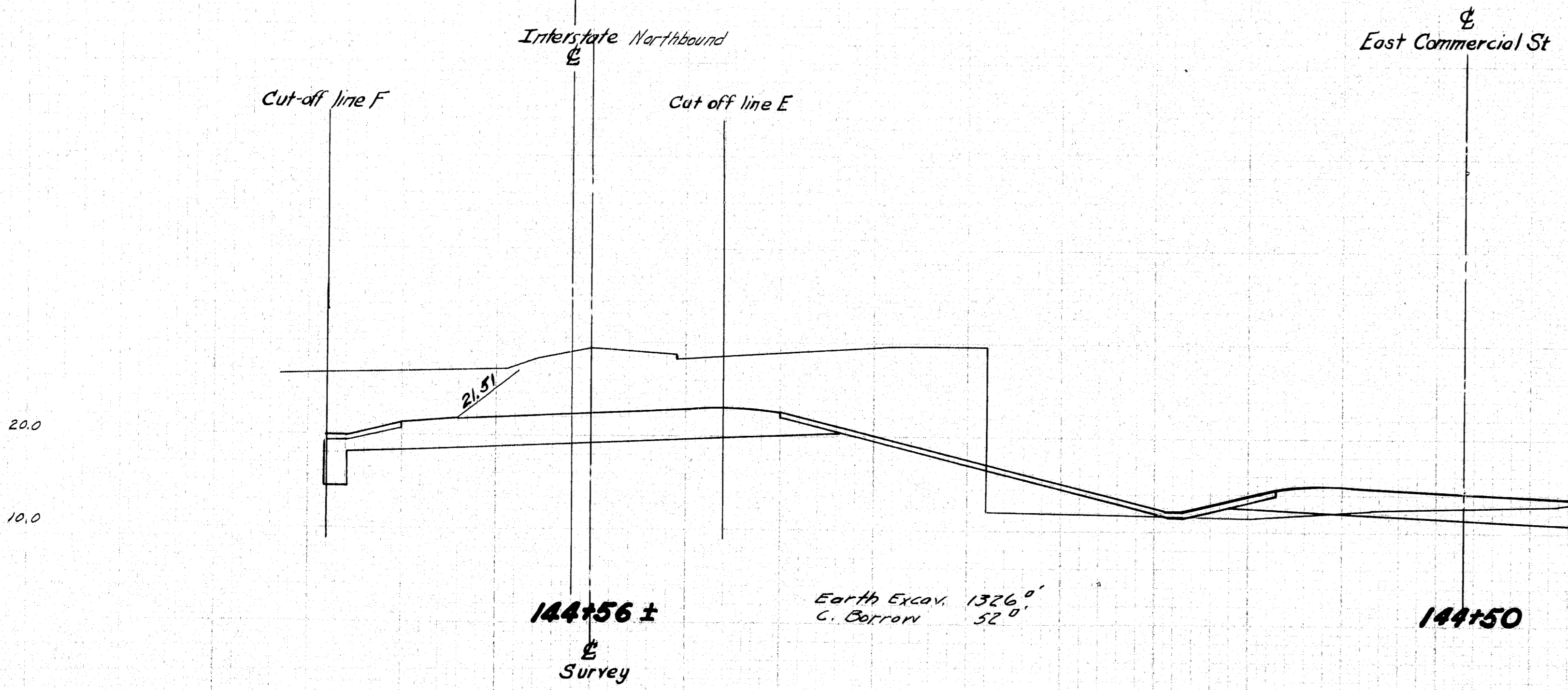
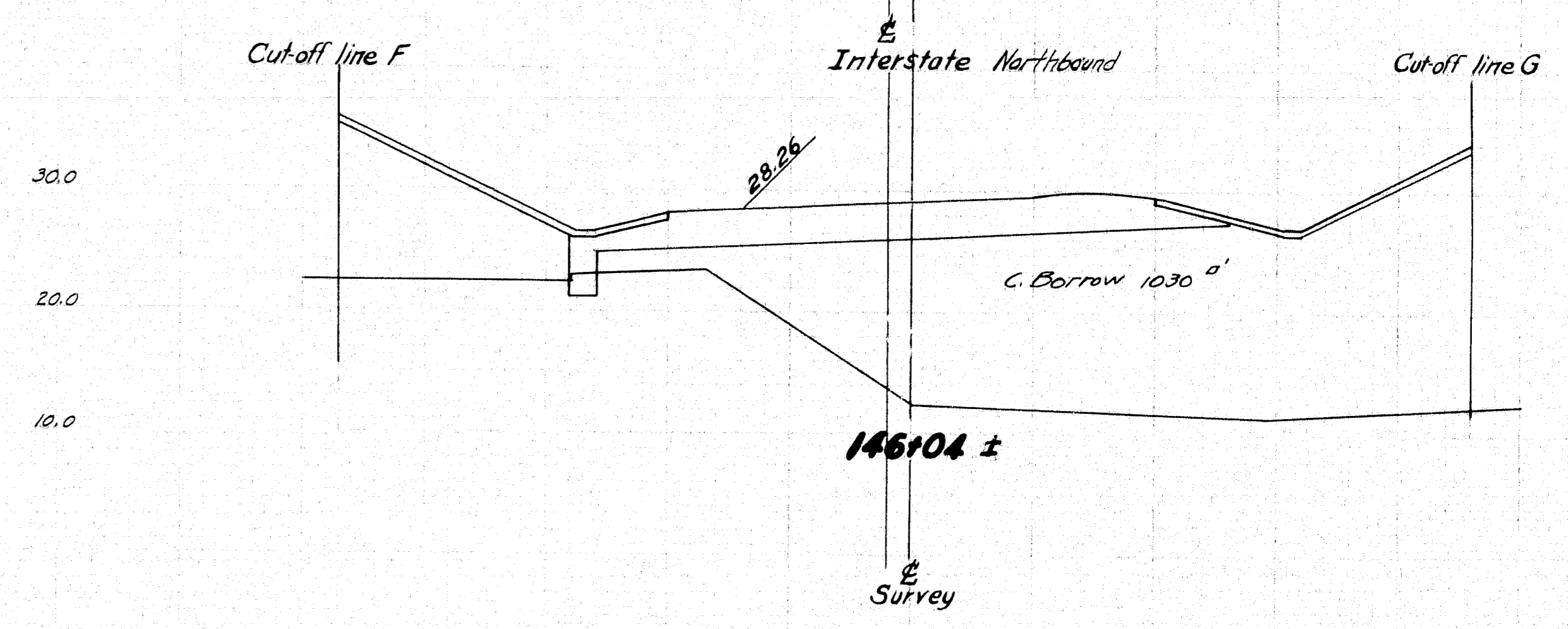
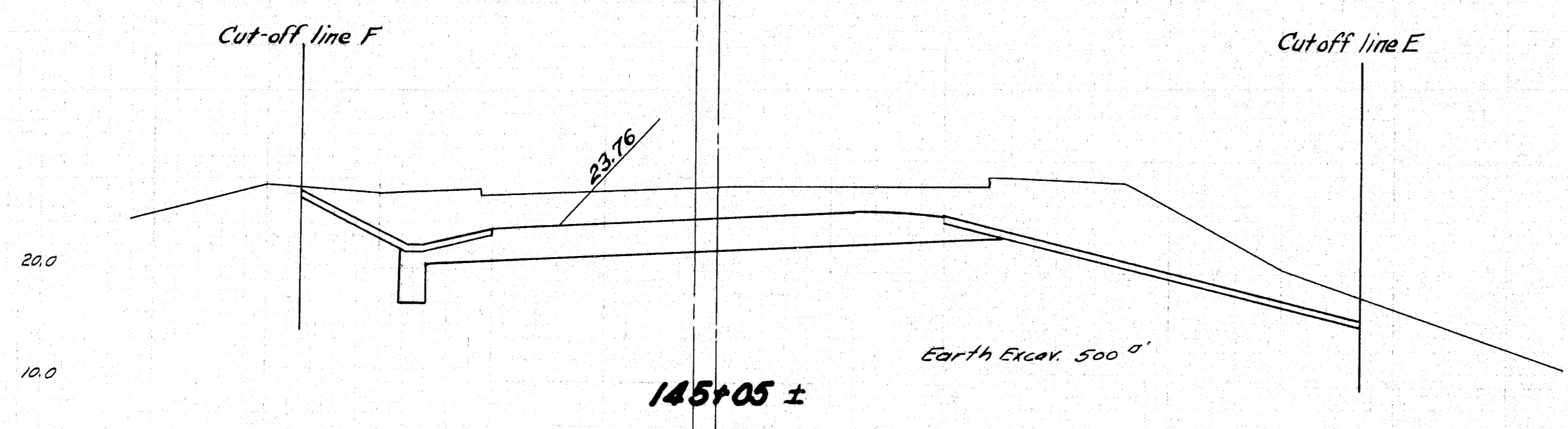
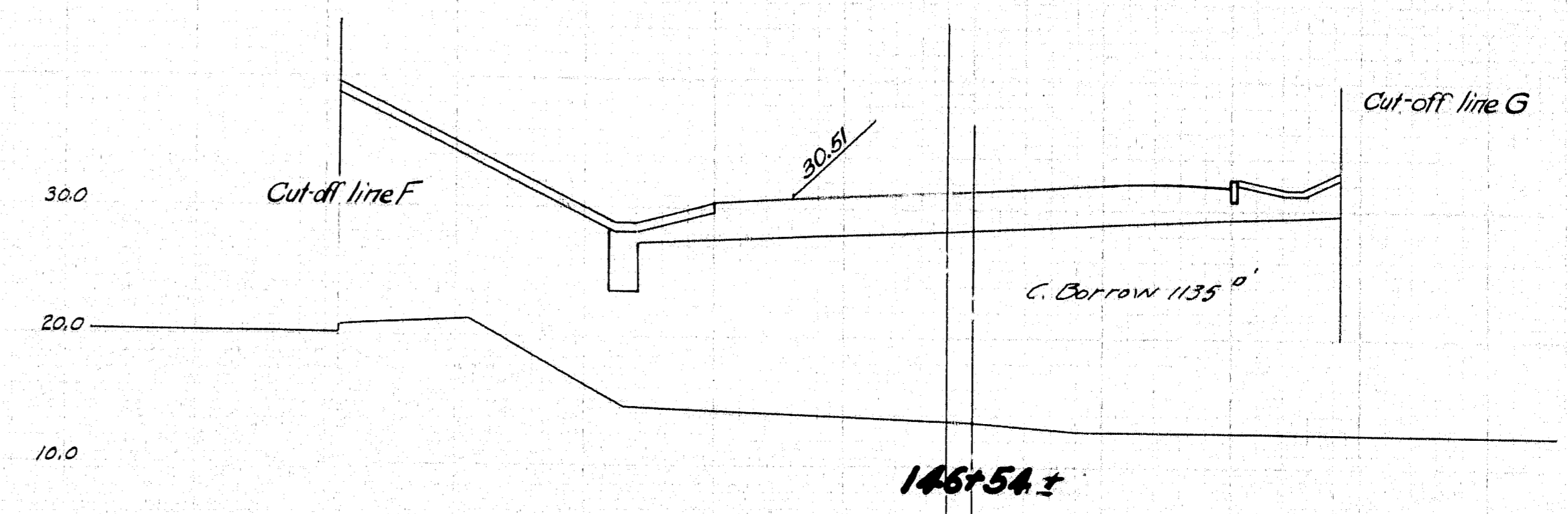
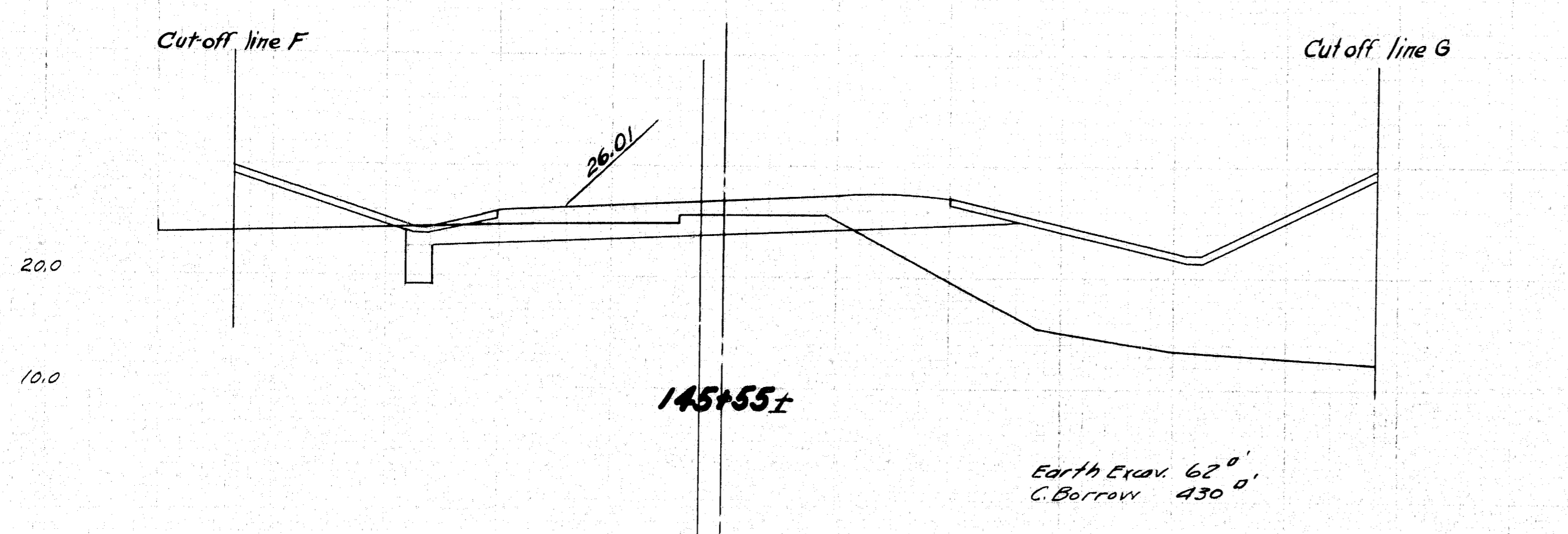
DESIGN - BARNES TRACE - Coffin CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 148 OF 166 AUGUSTA, MAINE, OCT. 1957	



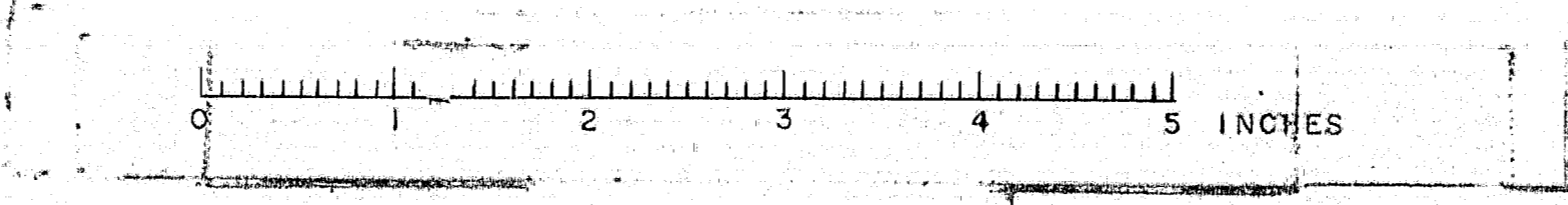


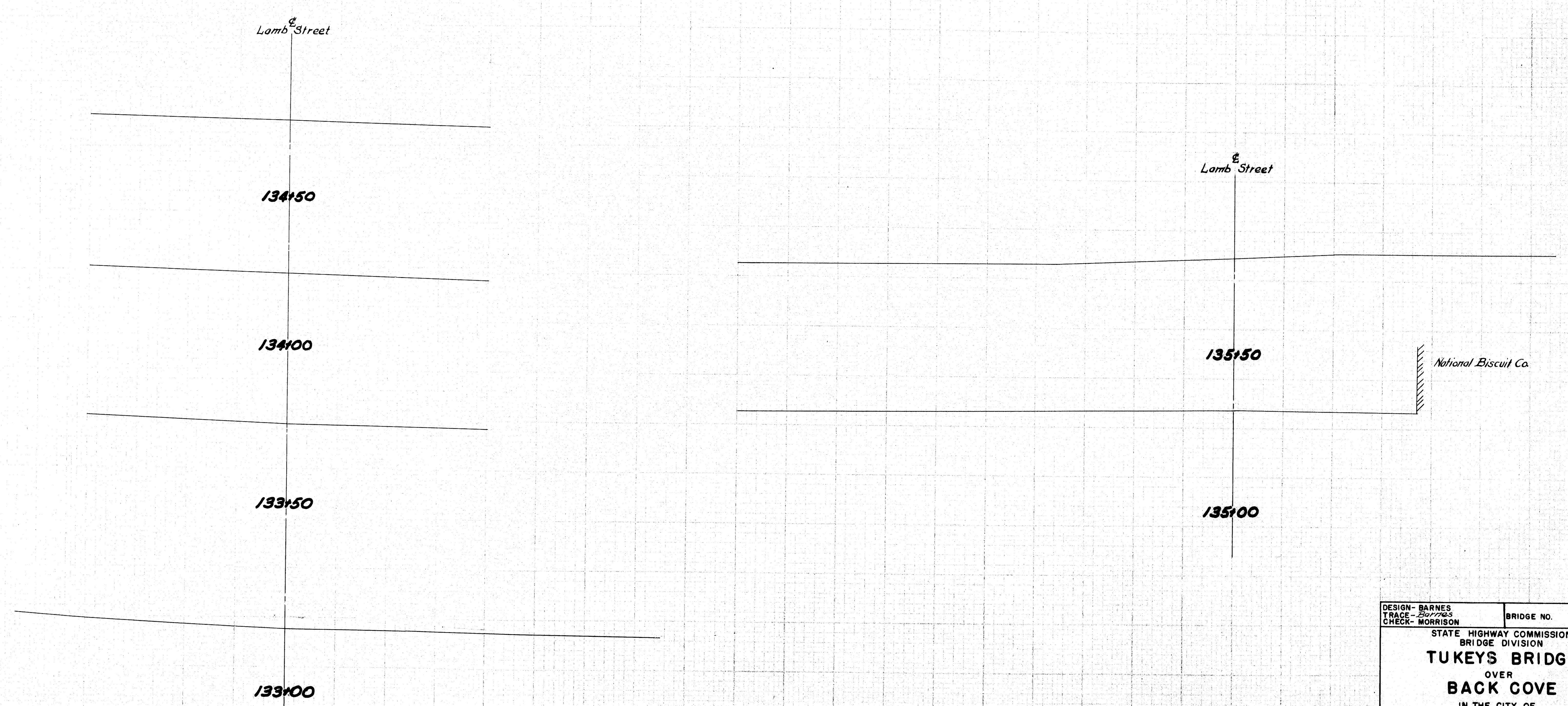
DESIGN - BARNES	BRIDGE NO.
TRACE - COLLIER	STATE HIGHWAY COMMISSION
CHECK - MORRISON	BRIDGE DIVISION
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 149 OF 166 AUGUSTA, MAINE. OCT. 1957.	





DESIGN - BARNES TRACE - MORRISON CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 150 OF 166 AUGUSTA, MAINE, OCT. 1957.	





DESIGN - BARNES TRACE - Barnes CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION TUKEYS BRIDGE OVER BACK COVE IN THE CITY OF PORTLAND CUMBERLAND COUNTY CROSS SECTIONS	
SHEET 151 OF 166 AUGUSTA, MAINE. OCT. 1957	

76-151

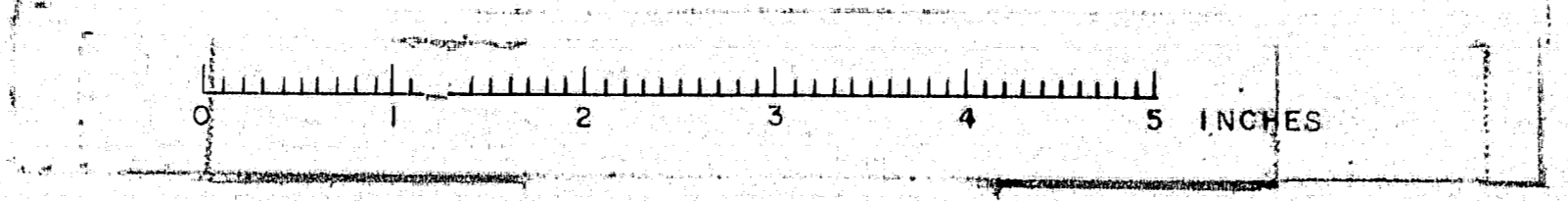
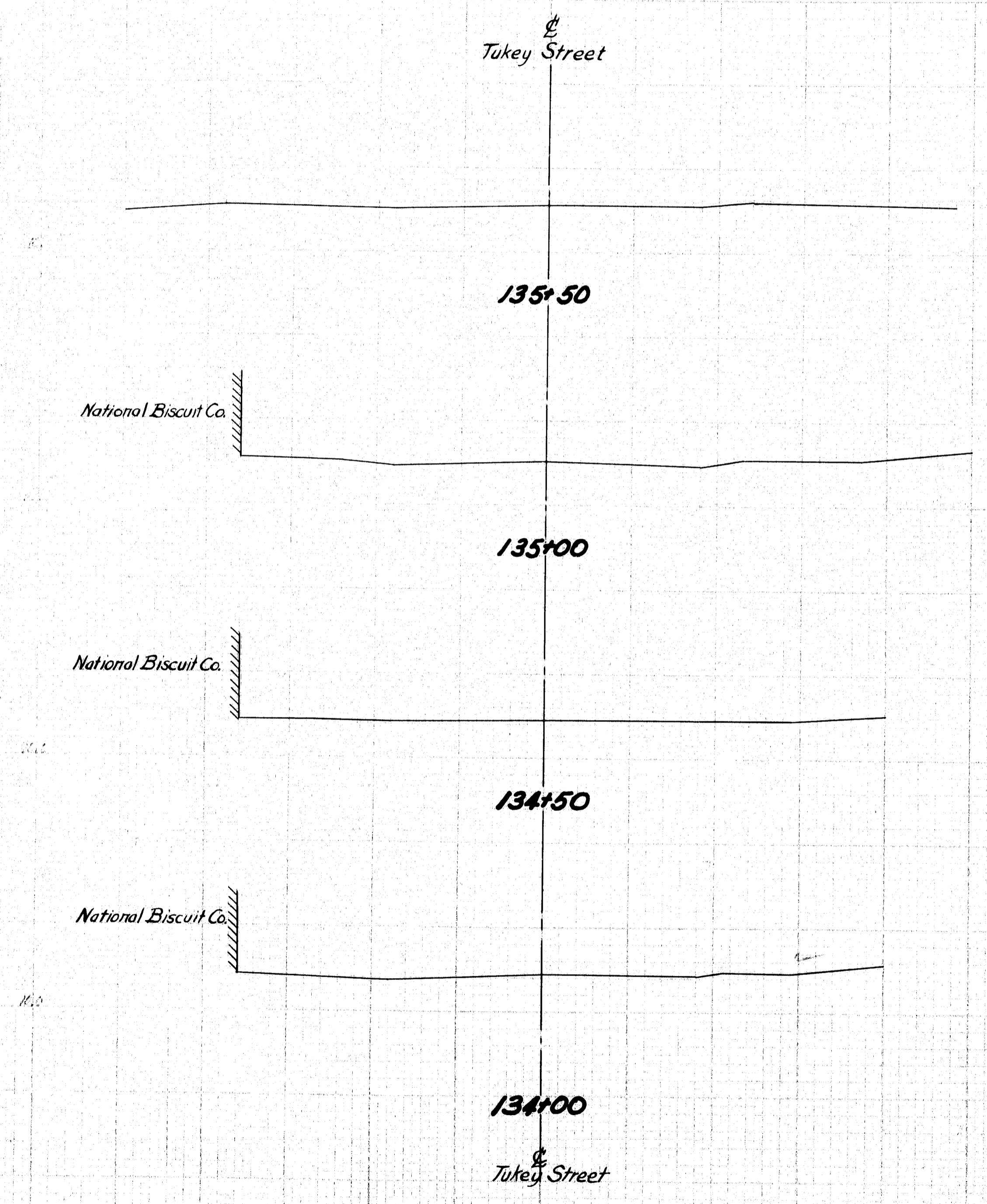


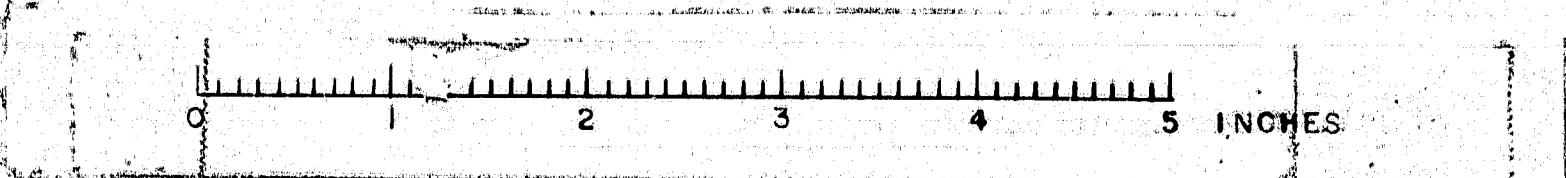
PLATE 1 - BRIDGE SECTION 10-10-10 E.
DRAWING COMPANY 703

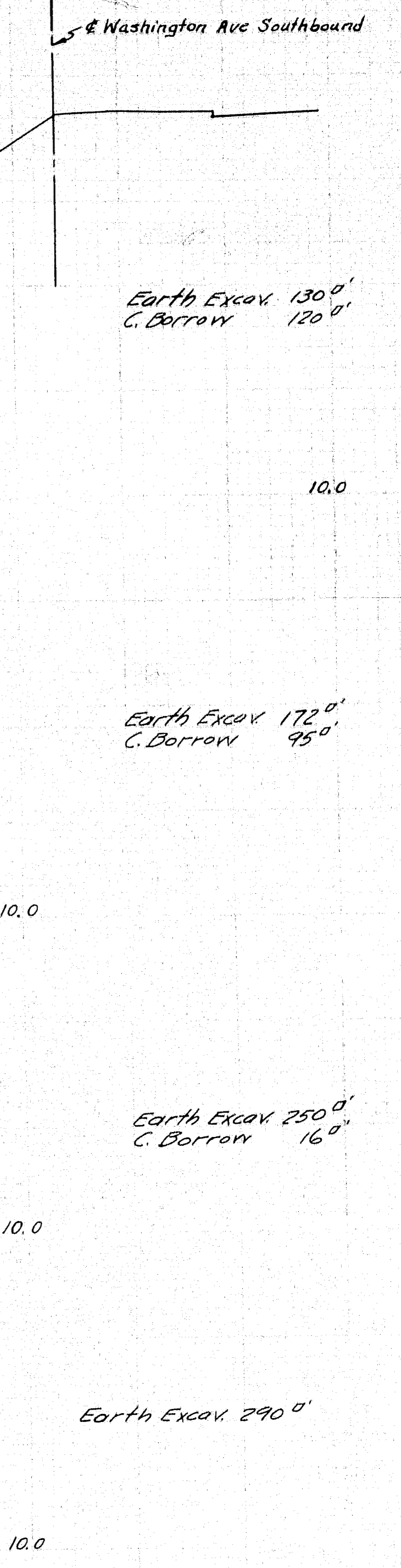
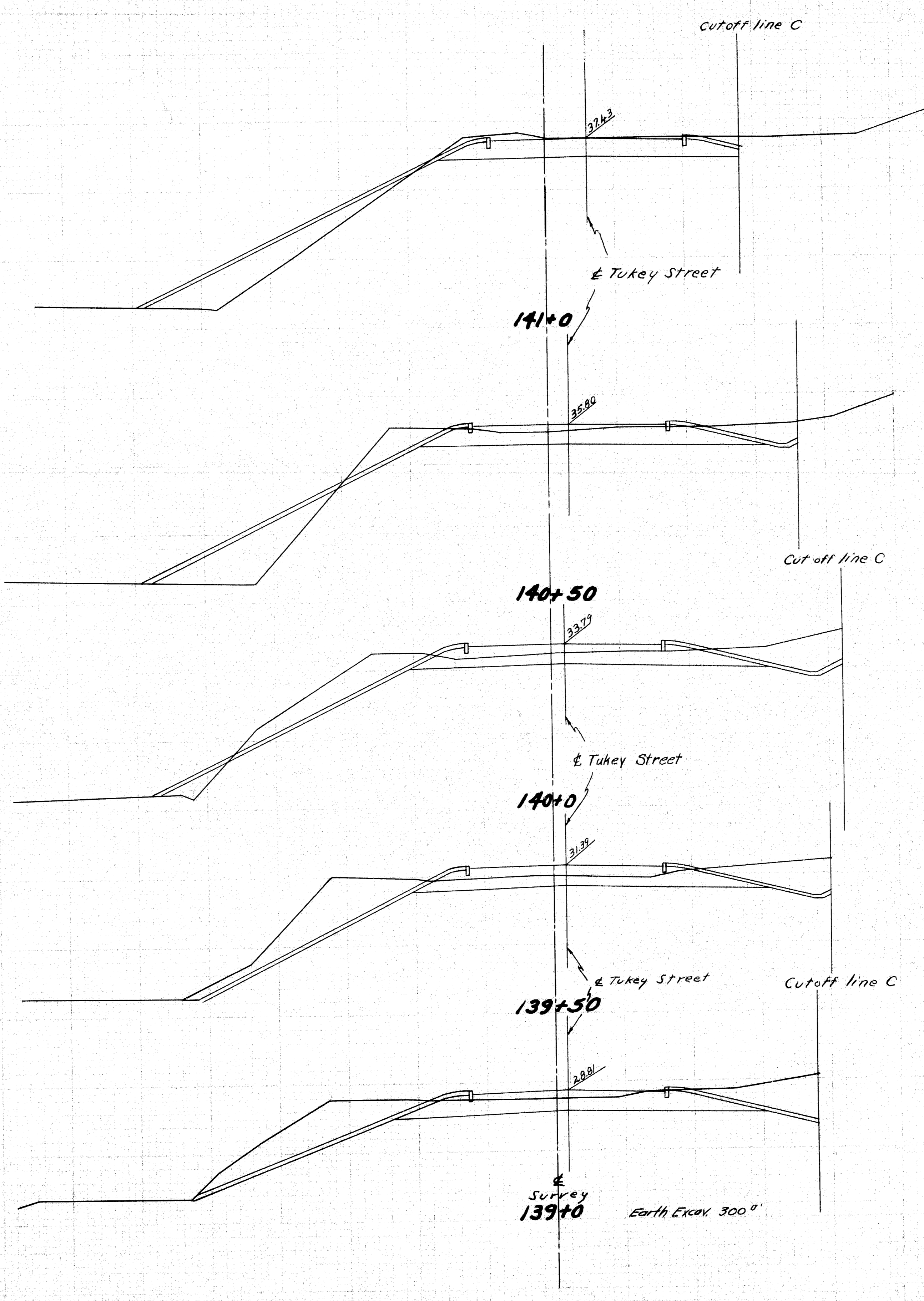
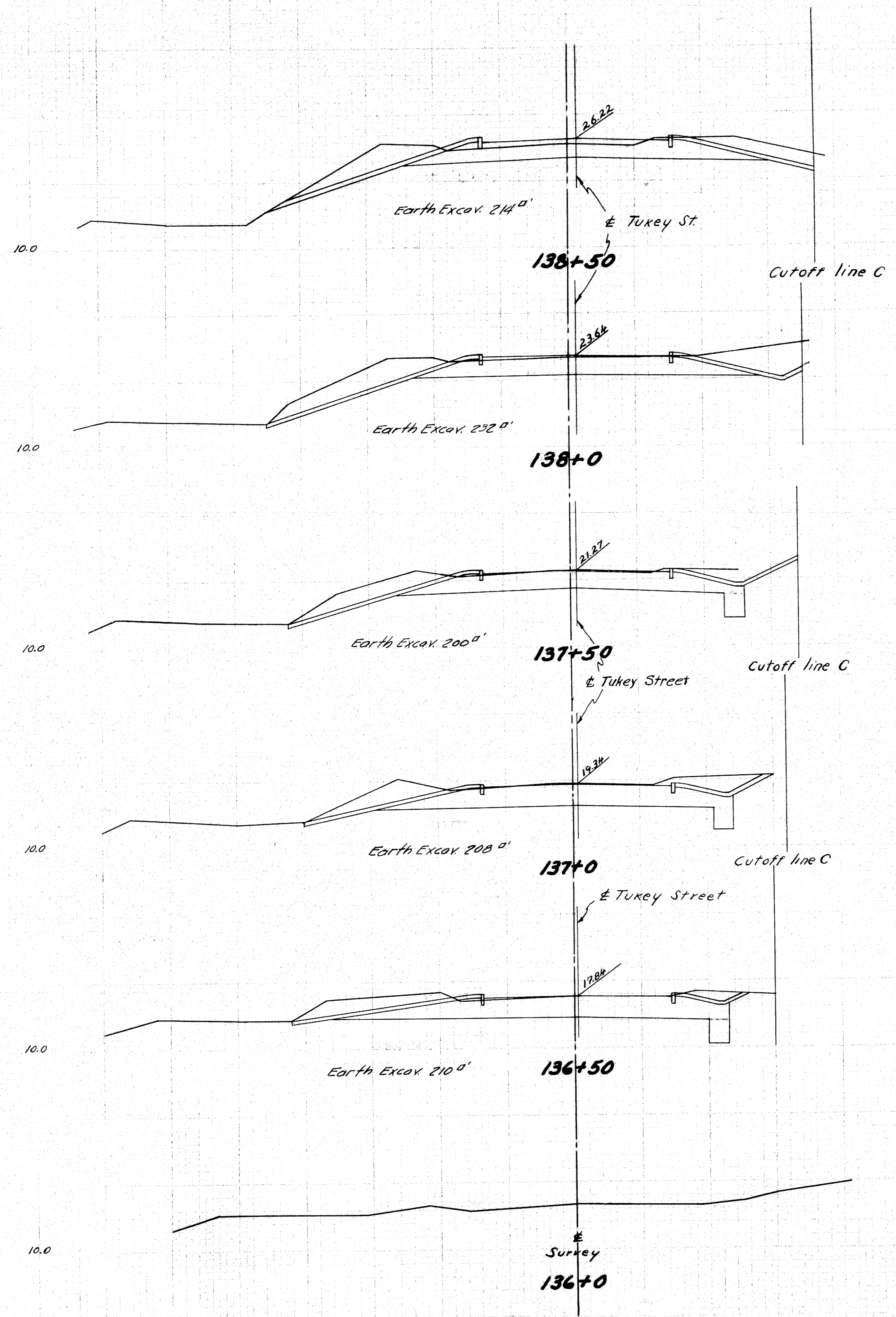
STATE	FED. AID	SHEET	TOTAL
MAINE	76-146	752	765
1-805-214) 50			



DESIGN - BARNES TRACE - Barnes CHECK - MORRISON	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION TUKEYS BRIDGE OVER BACK COVE IN THE CITY OF PORTLAND CUMBERLAND COUNTY CROSS SECTIONS	
SHEET 152 OF 166 AUGUSTA, MAINE, OCT. 1957	

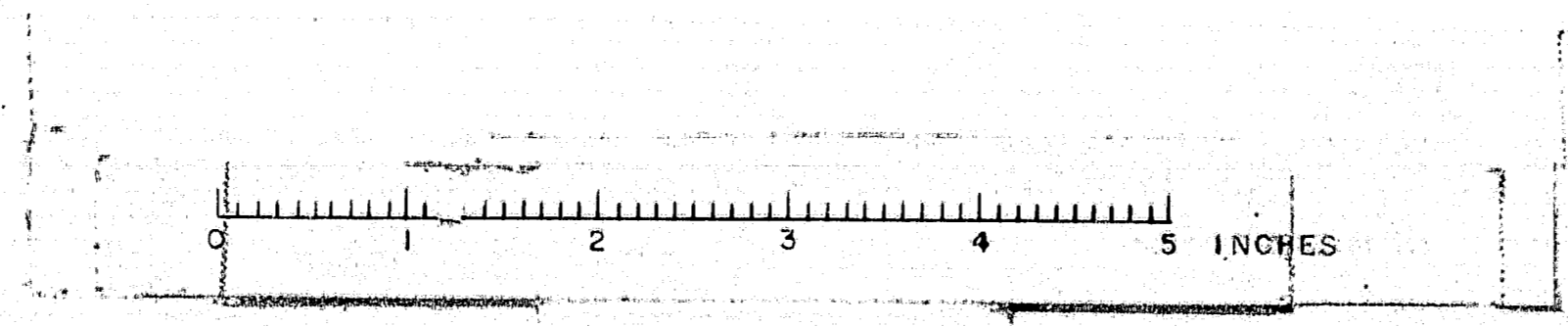
STATE'S ENGINEERING DEPARTMENT
CHARLES BRIDGES COMPANY, INC.

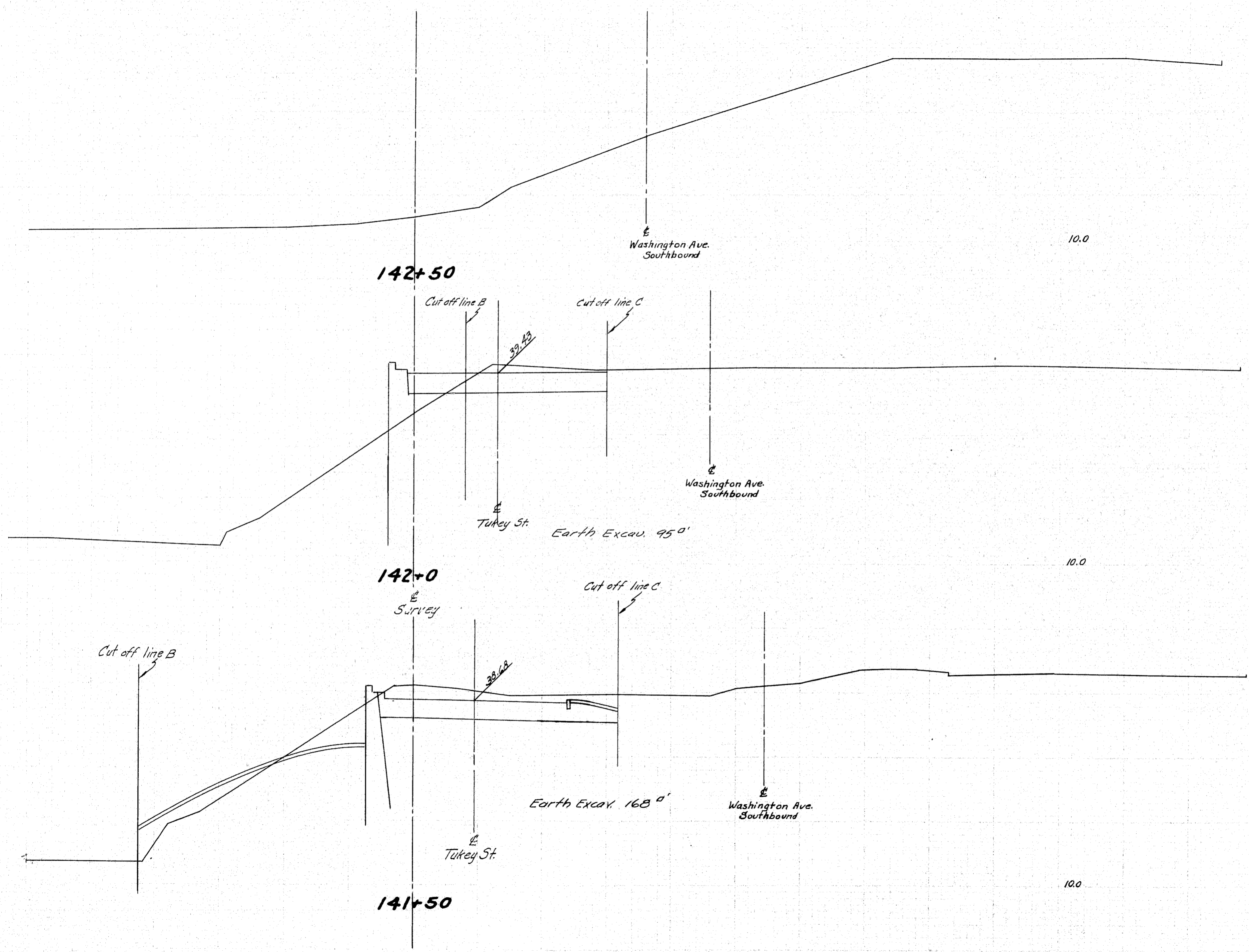




DESIGN - BARNES	BRIDGE NO.
TRACE - <i>Coffin</i>	STATE HIGHWAY COMMISSION
CHECK - MORRISON	BRIDGE DIVISION
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	

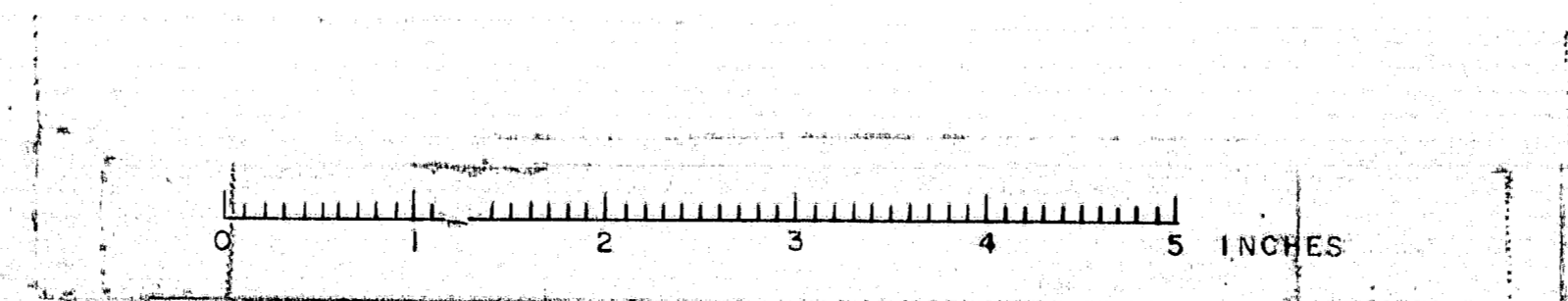
SHEET 153 OF 166. AUGUSTA, MAINE. OCT. 1957.





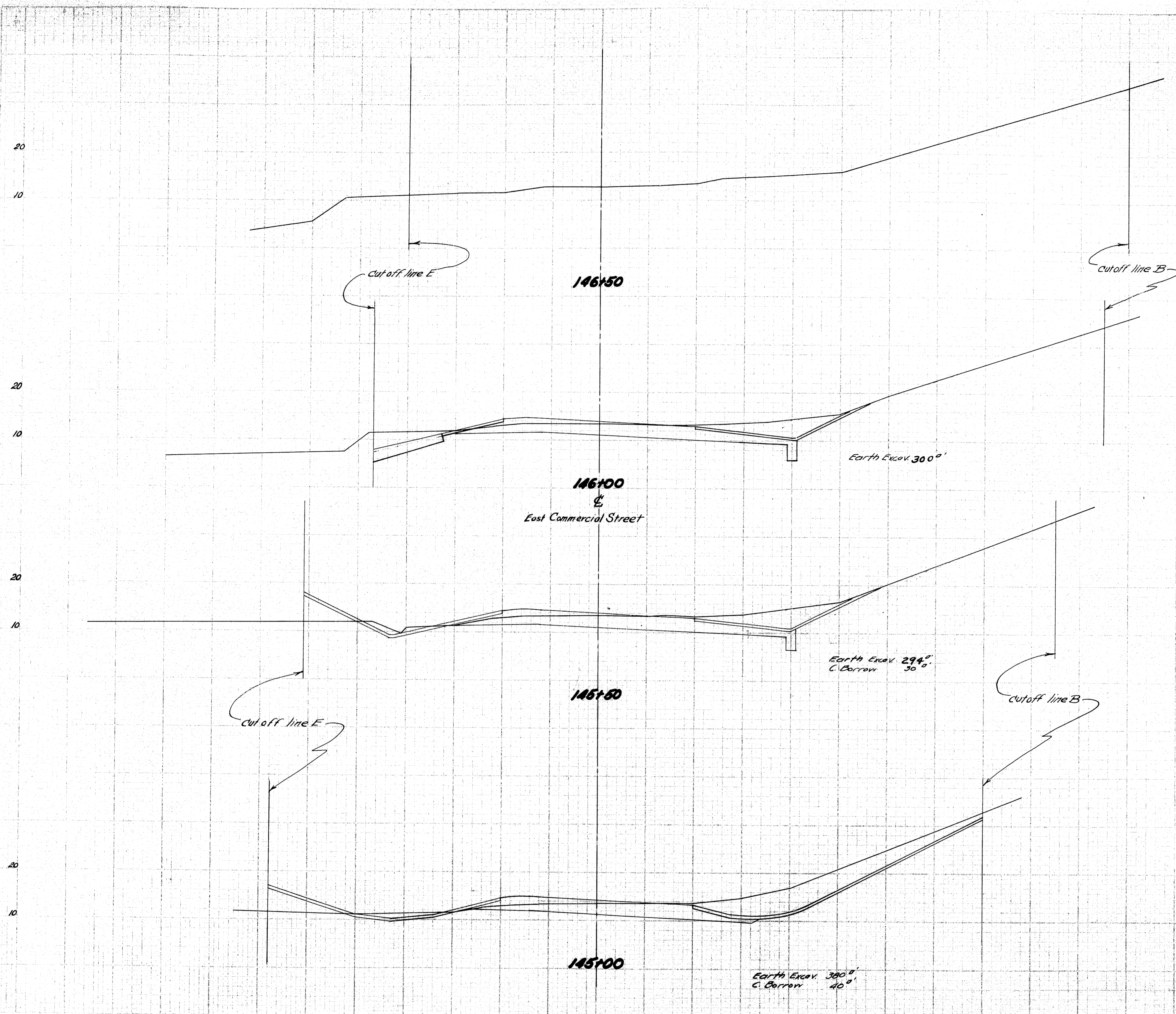
DESIGN - BARNES	BRIDGE NO.
TRACE - Coffin	
CHECK - MORRISON	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 154 OF 166 AUGUSTA, MAINE, OCT. 1957	

76-154



B. P. R.	STATE	FED. AID	SHEET	TOTAL
ARG. NO.		PROJ. NO.	NO.	SHEETS
1	MAINE	76-144	155	166

I-295-3(4) 50



Earth Excav. 30.0'

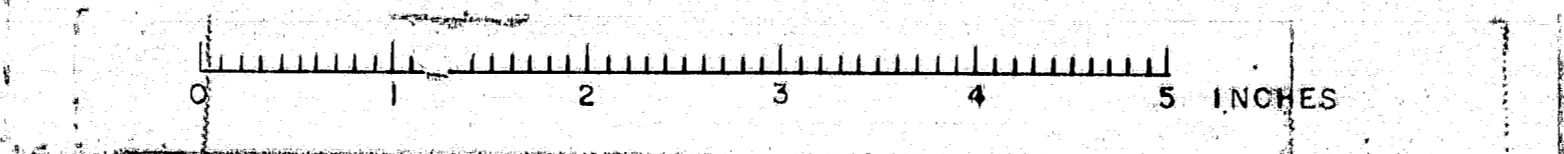
Earth Excav. 29.4'
C. Borrow 3.0'

Earth Excav. 38.0'
C. Borrow 4.0'

DESIGN - BARNES	BRIDGE NO.
TRACE - <i>Collin</i>	
CHECK - MORRISON	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 155 OF 166 AUGUSTA, MAINE. OCT. 1957.	

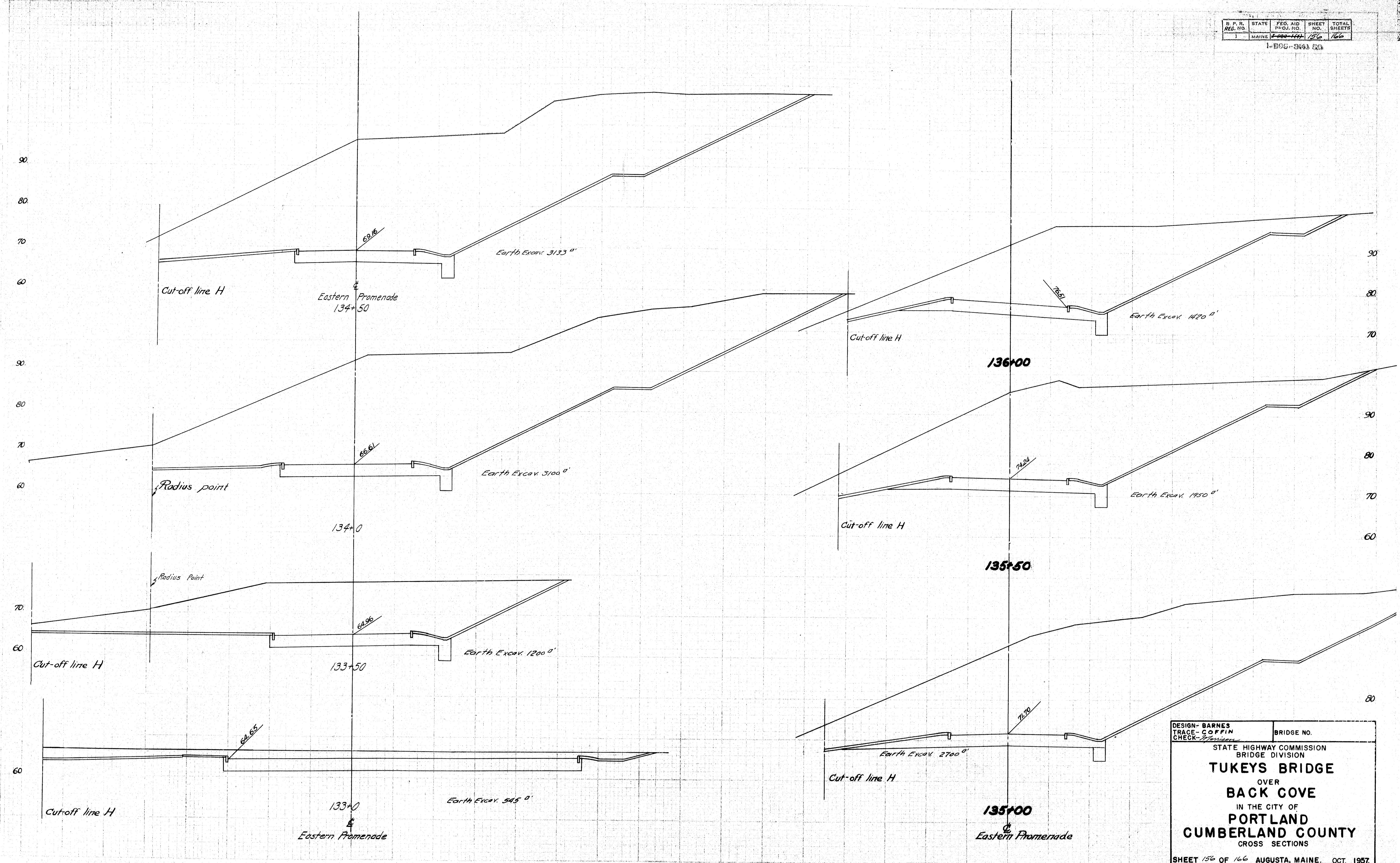
76-155

PLATE 3 - CROSS SECTION 1 & 2
CARLICO BRIDGES COMPANY, INC.

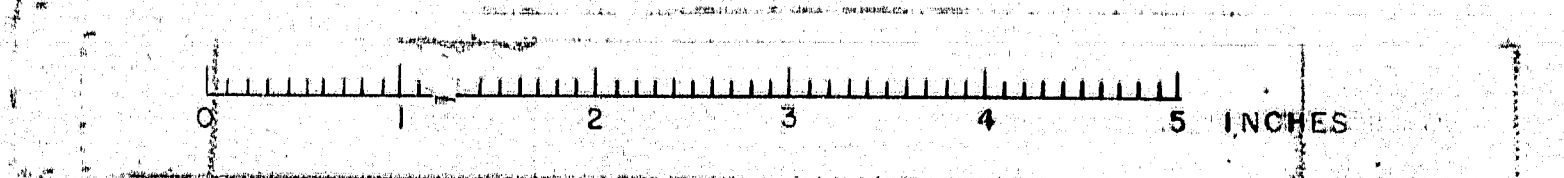


D. P. R. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	MAINE	1-80-166	156	166

1-BGG-3443 53

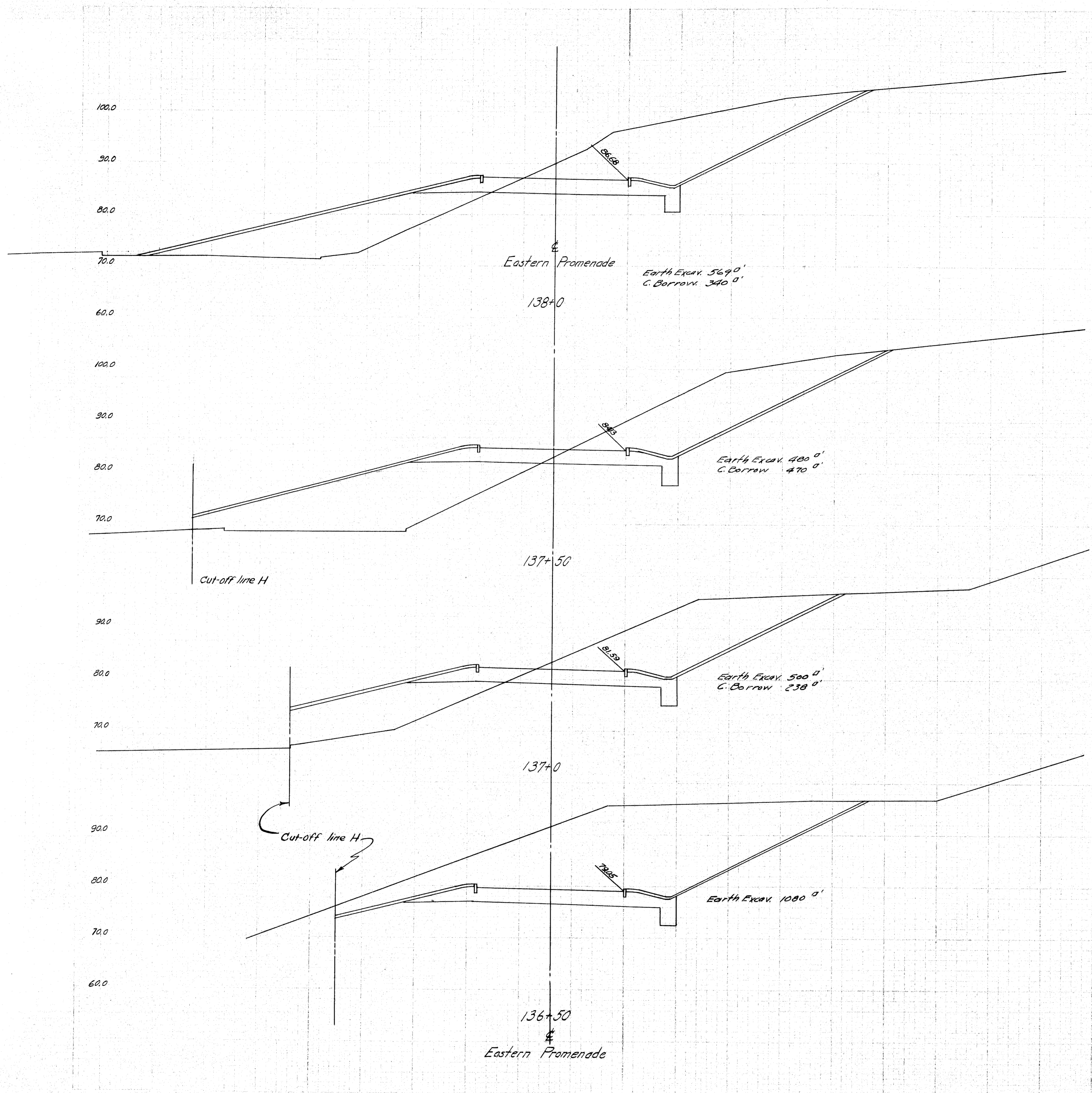


DESIGN - BARNES TRACE - COFFIN CHECK - <i>Provision</i>	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 156 OF 166 AUGUSTA, MAINE, OCT. 1957	



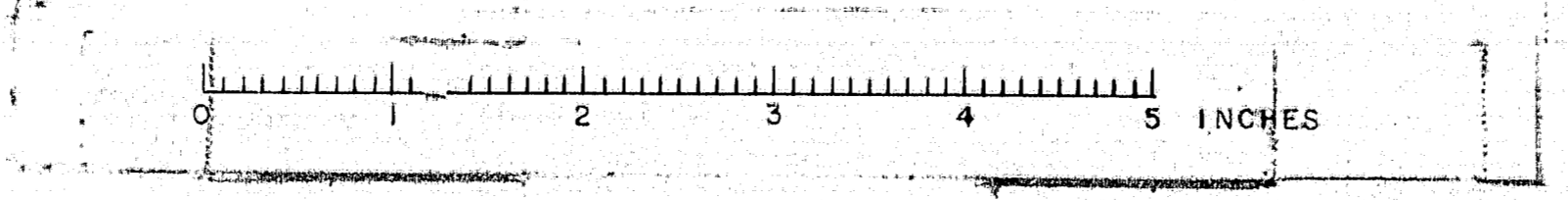
B. P. R.	STATE	FED. AID	SHEET	TOTAL
NO.	NO.	NO.	NO.	SHEETS
1	MAINE	100-100	157	166

1-B95-347-50



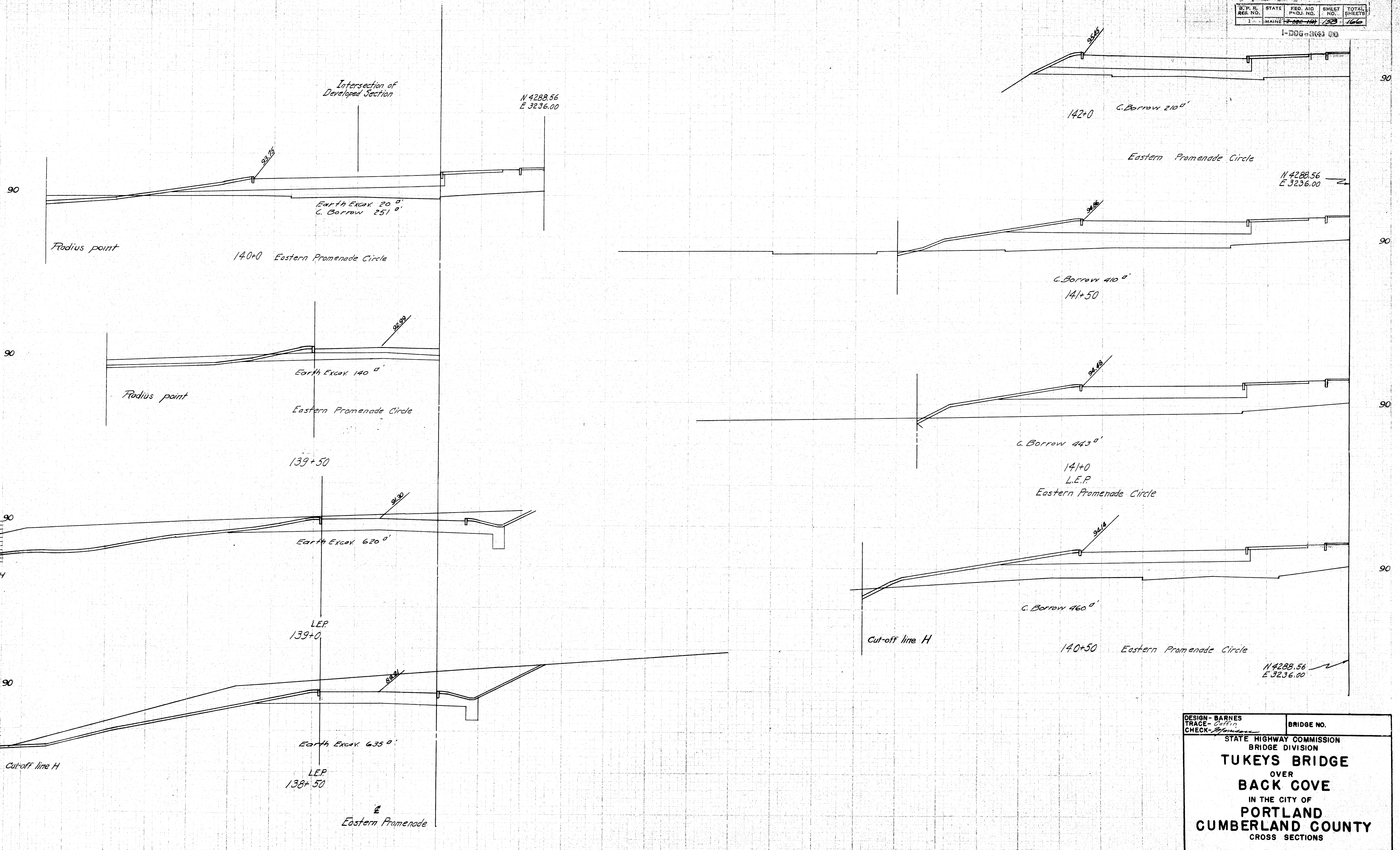
DESIGN - BARNES TRACE - Coffin CHECK - Hanson	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER BACK COVE	
IN THE CITY OF PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 157 OF 166 AUGUSTA, MAINE, OCT. 1957	

76-157



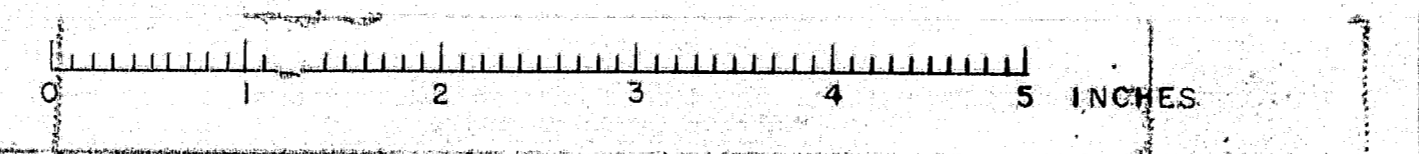
B. P. R. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	7-202-100	158	166

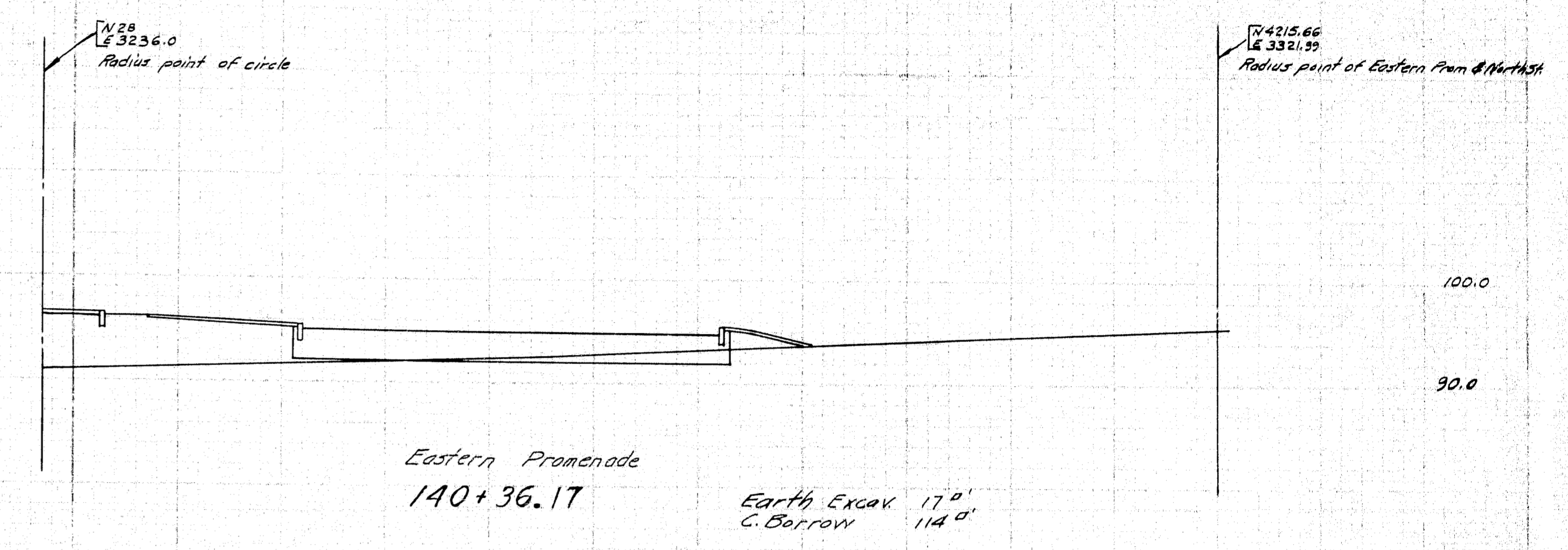
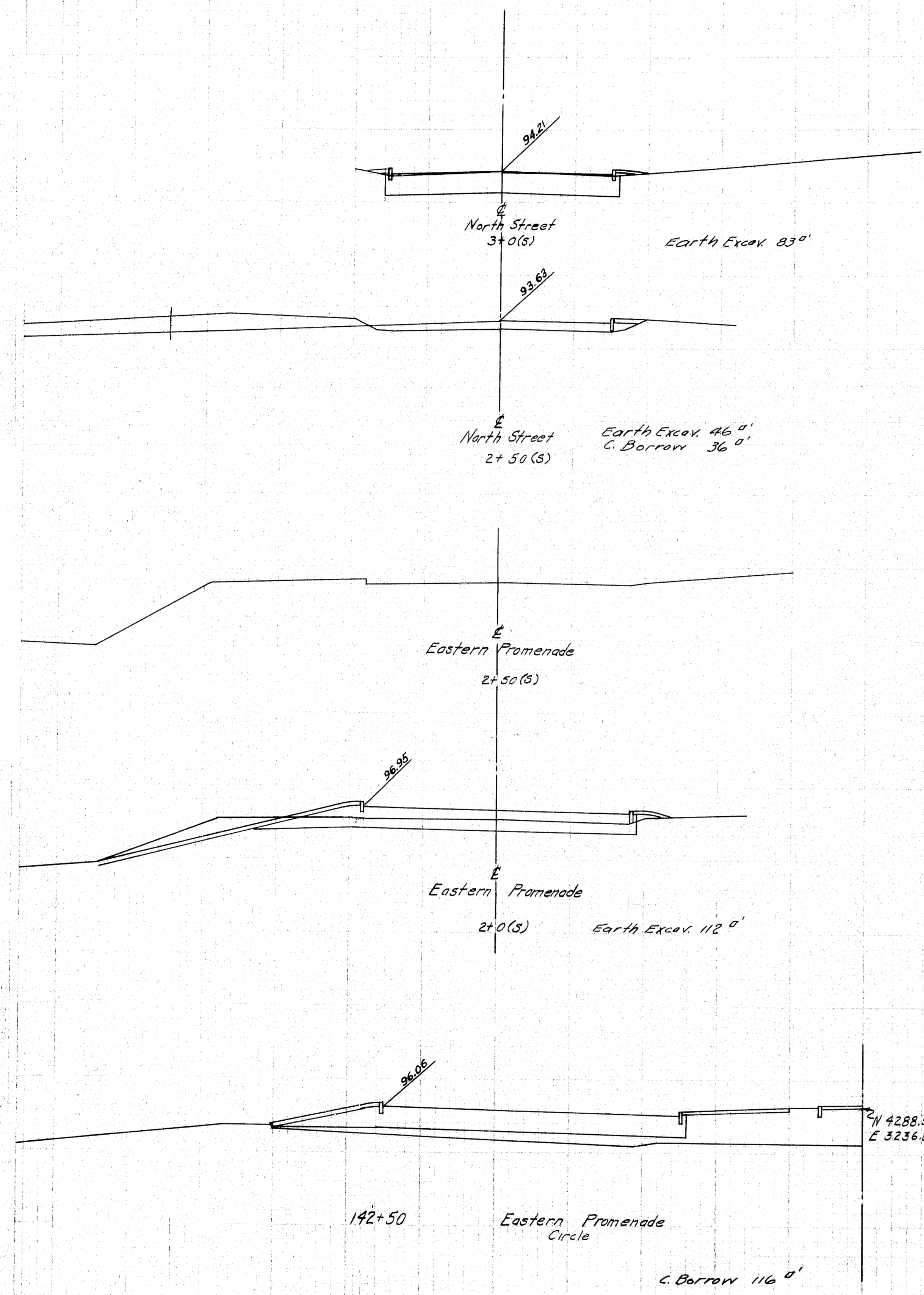
1-DGG-0043 23



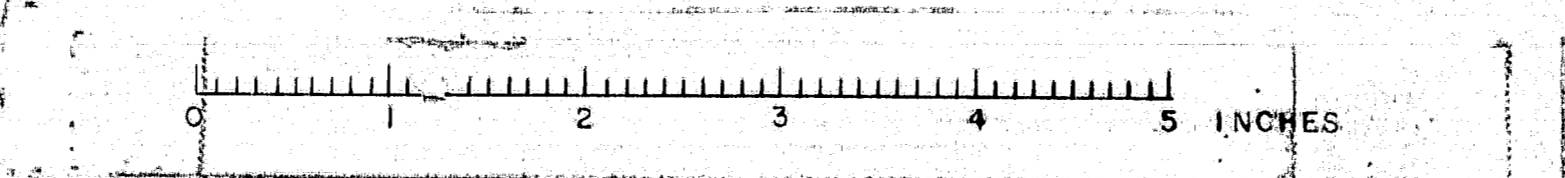
DESIGN - BARNES	BRIDGE NO.
TRACE - Coffin	
CHECK - Barnes	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 158 OF 166 AUGUSTA, MAINE. OCT. 1957.	

76-158



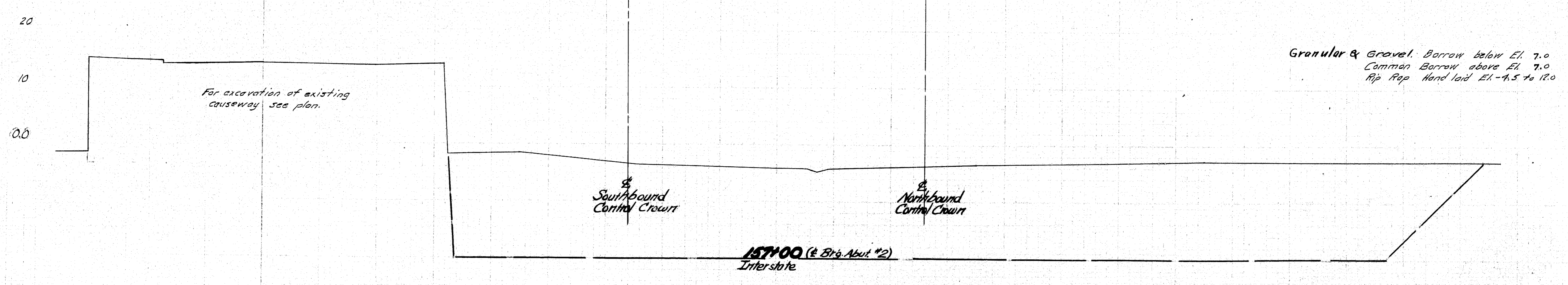
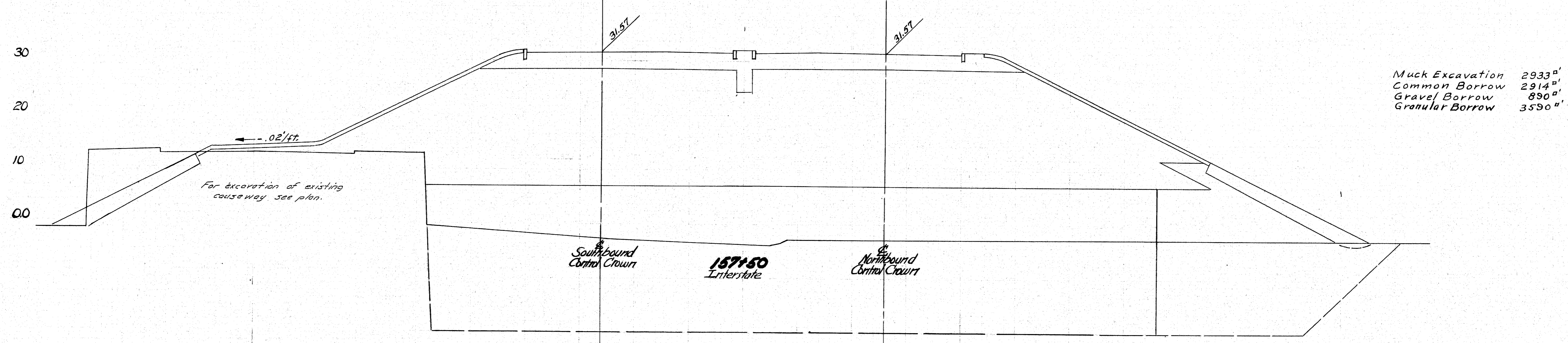
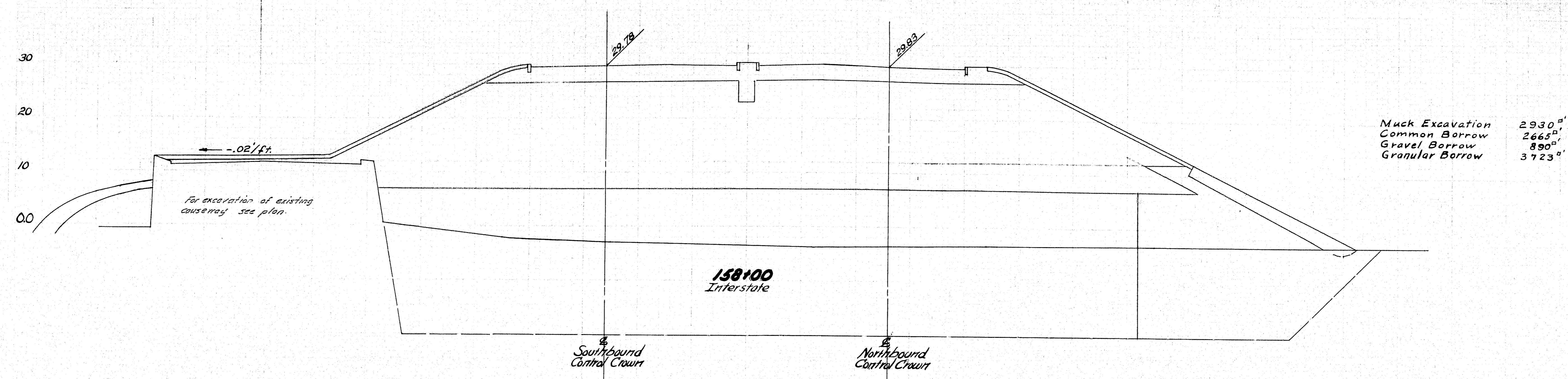


DESIGN - BARNES TRACE - Coffin CHECK - Morrison	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION TUKEYS BRIDGE OVER BACK COVE IN THE CITY OF PORTLAND CUMBERLAND COUNTY CROSS SECTIONS	
SHEET 159 OF 166 AUGUSTA, MAINE. OCT. 1957.	



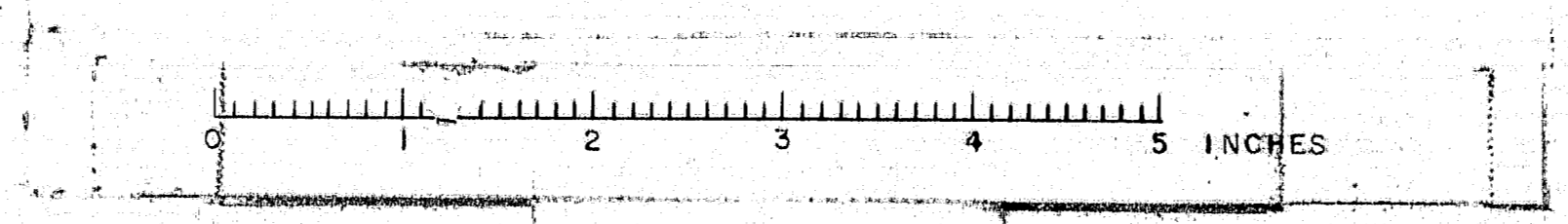
STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
MAINE	7-00-114	160	166

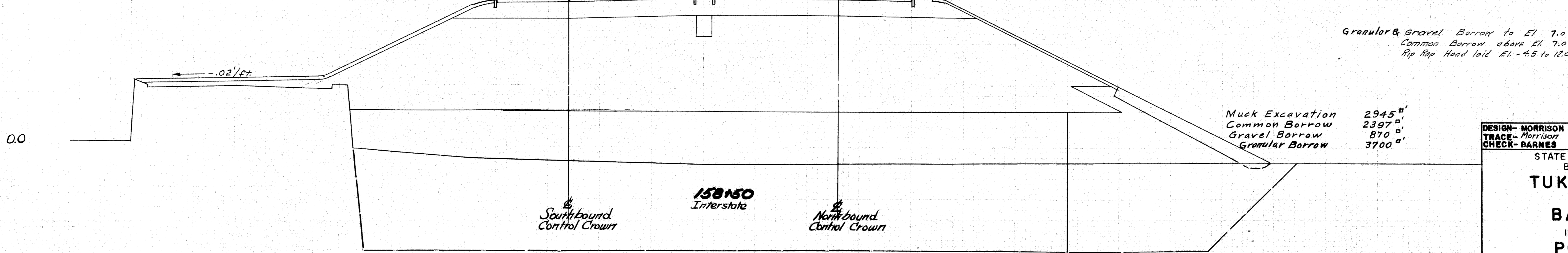
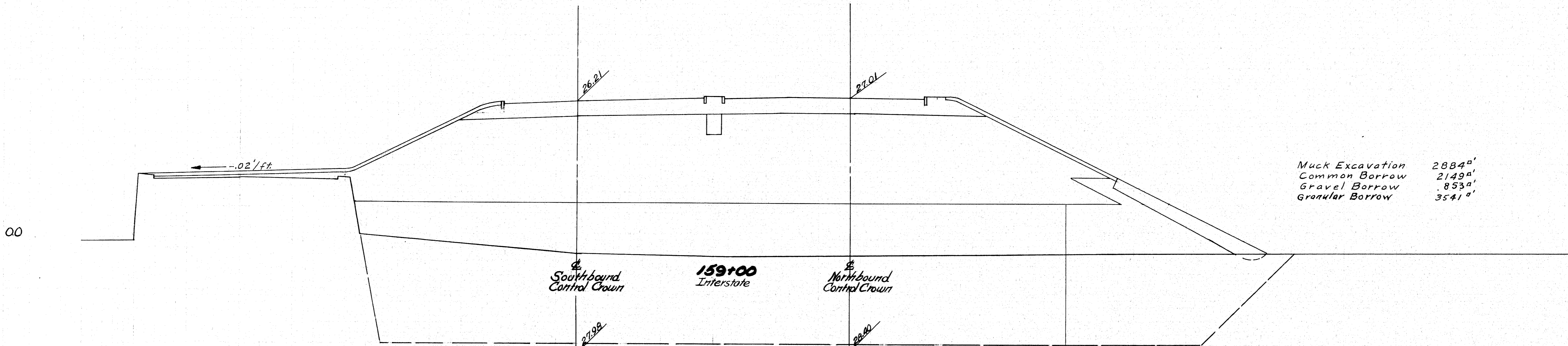
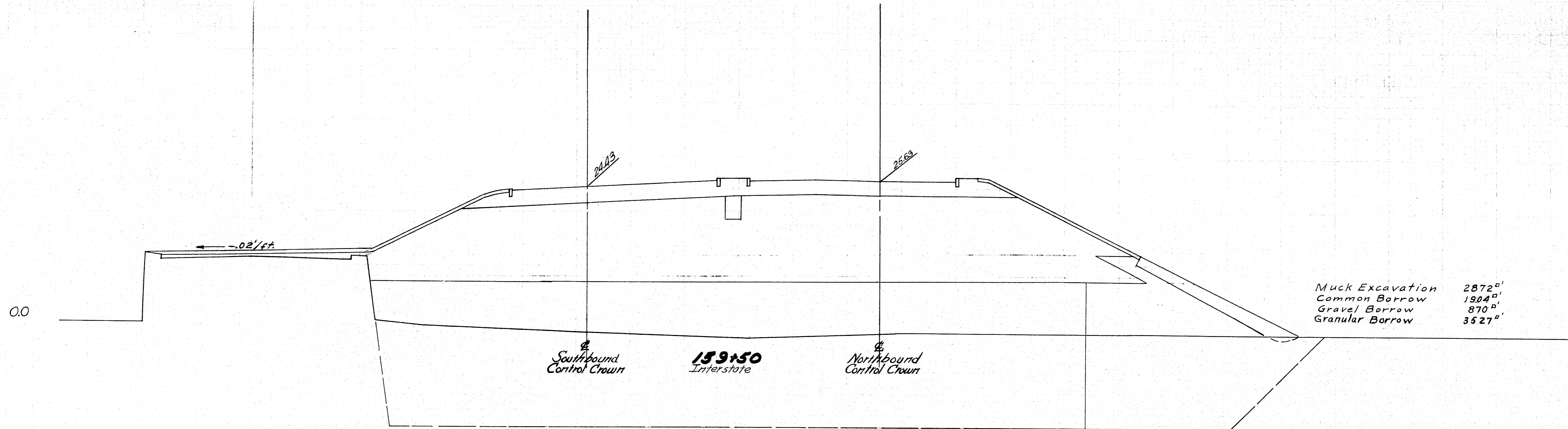
1-205-3(2) 50



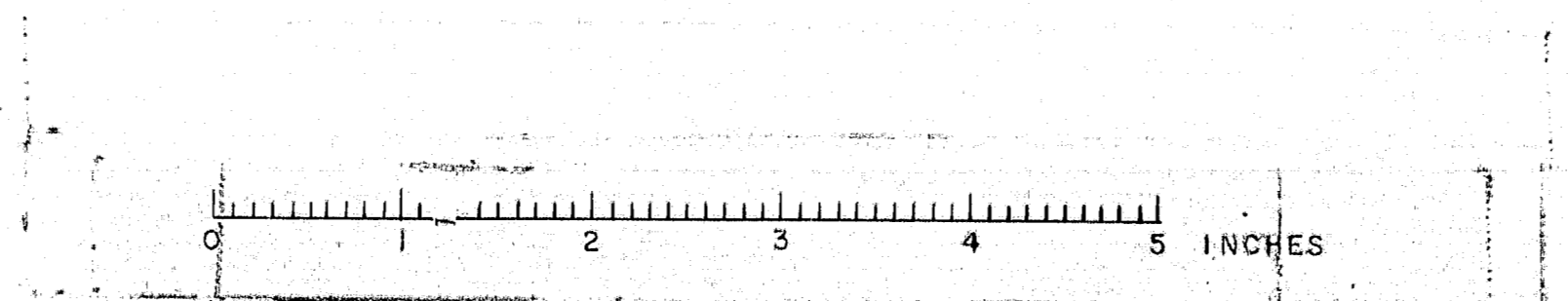
DESIGN - MORRISON TRACE - COFFIN CHECK - BARNES	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 160 OF 166 AUGUSTA, MAINE, OCT. 1957.	

76-160



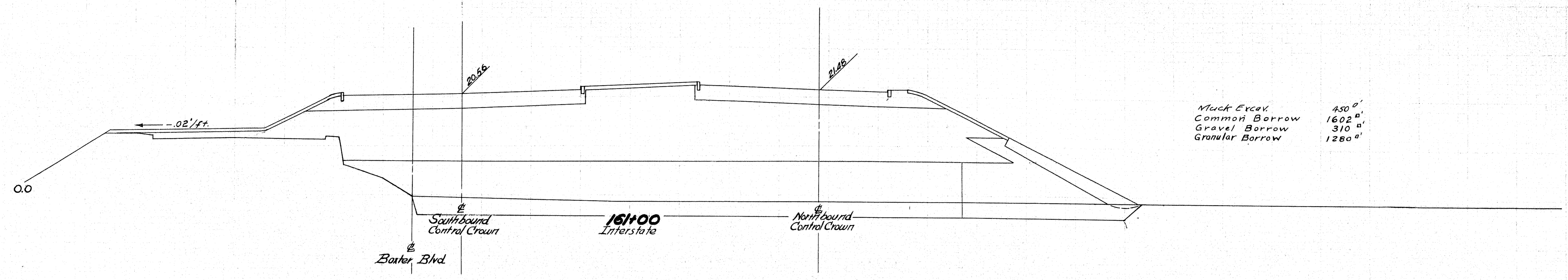


DESIGN - MORRISON TRACE - MORRISON CHECK - BARNES	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 161 OF 166 AUGUSTA, MAINE, OCT. 1957	

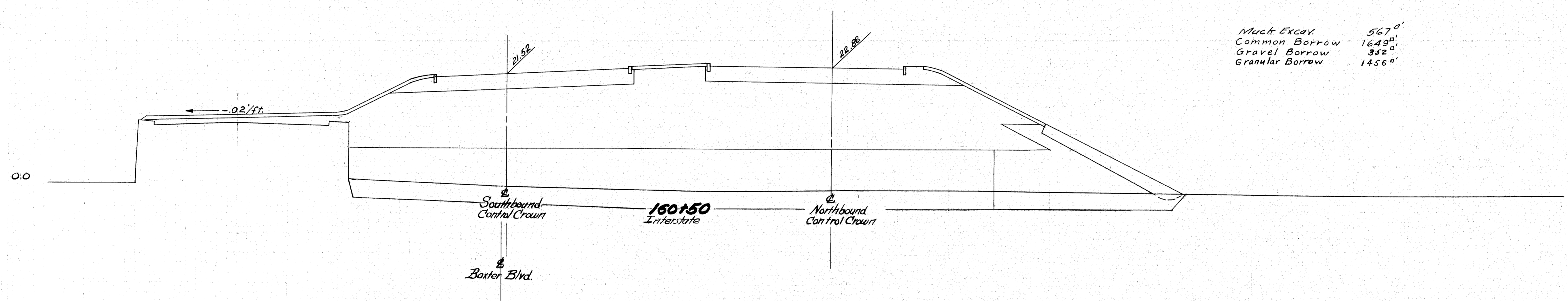


S. P. R. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	F-888-166	162	166

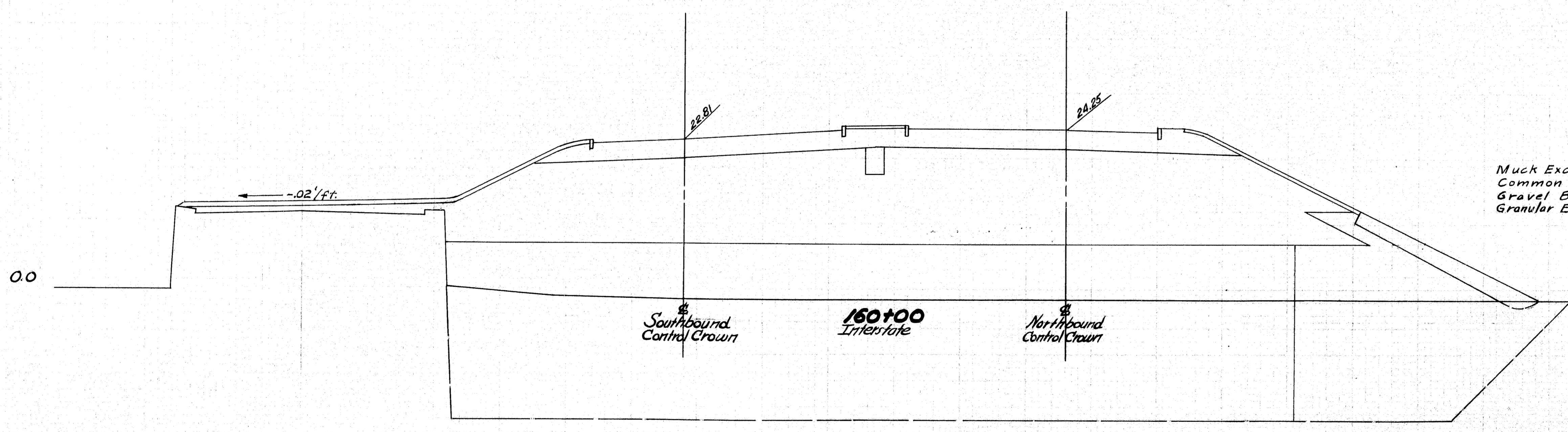
1-B95-265) 50



Muck Excav. 450'
 Common Borrow 1602'
 Gravel Borrow 310'
 Granular Borrow 1280'



Muck Excav. 567'
 Common Borrow 1649'
 Gravel Borrow 352'
 Granular Borrow 1456'

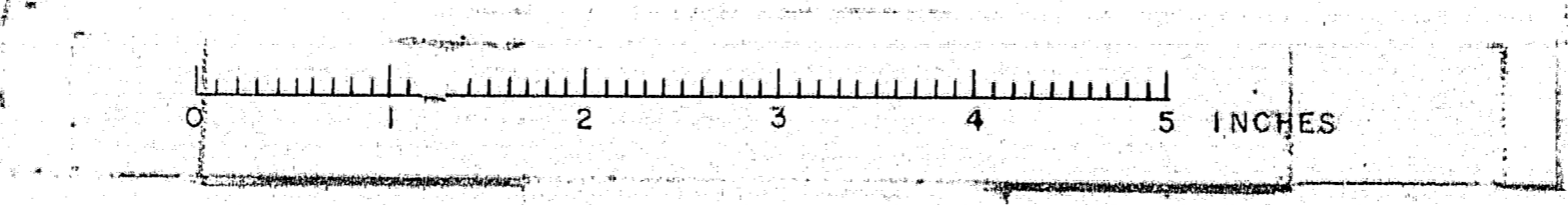


Muck Excavation 3000'
 Common Borrow 1808'
 Gravel Borrow 877'
 Granular Borrow 3430'

Granular & Gravel Borrow to El. 7.0
 Common Borrow above El. 7.0
 Pipe Pipe Head laid El. -4.5 to +12.0

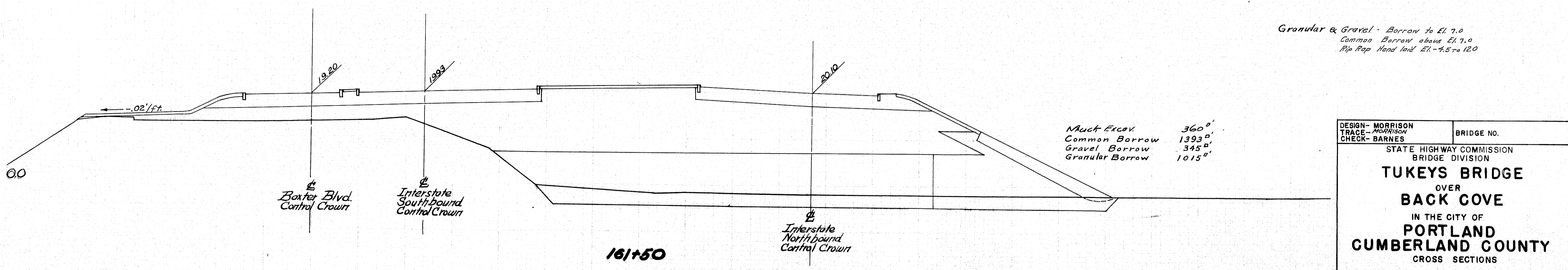
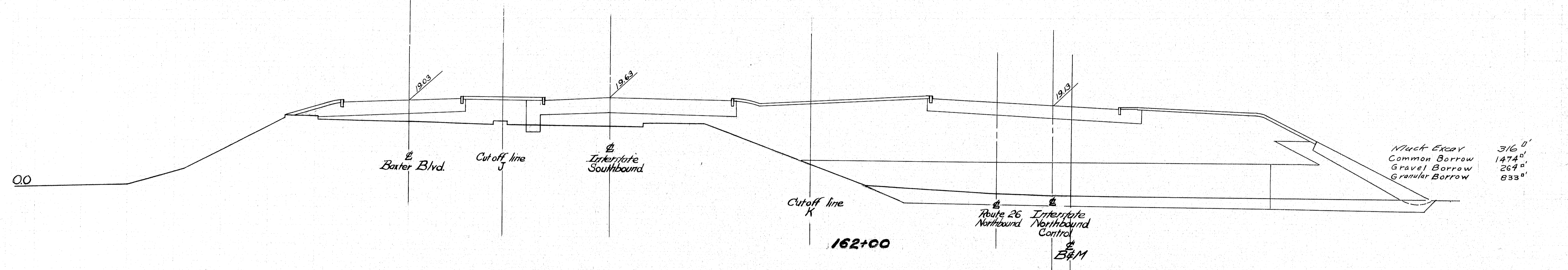
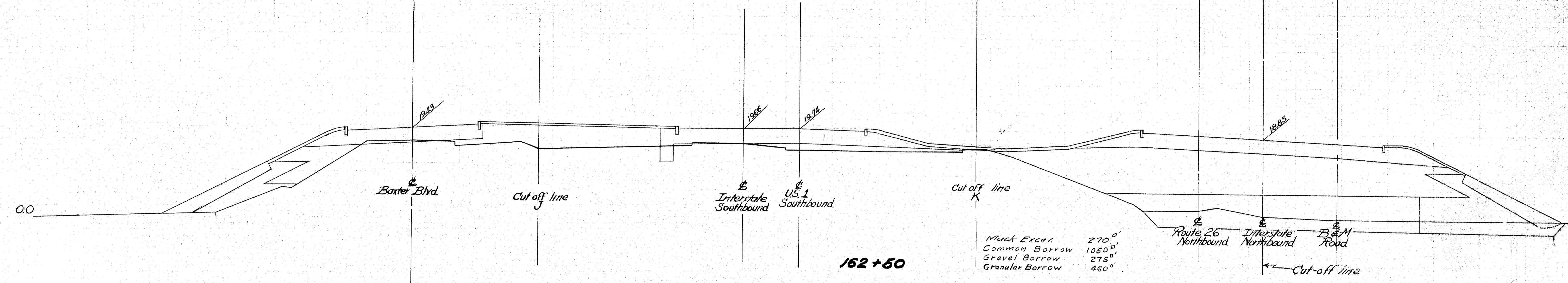
DESIGN - MORRISON TRACE - MORRISON CHECK - BARNES	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 162 OF 166 AUGUSTA, MAINE. OCT. 1957.	

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B. P. R.	STATE	FED. AID	SHEET	TOTAL
REG. NO.	MAINE	PROJ. NO.	NO.	SHEETS
1		163-161	163	166

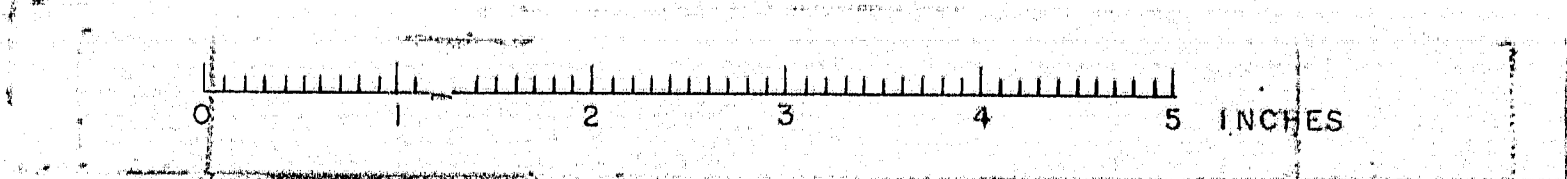
I-895-27-50



Granular & Gravel - Borrow to El. 7.0
Common Borrow above El. 7.0
Rip Rap Hand laid El. -7.5 to 12.0

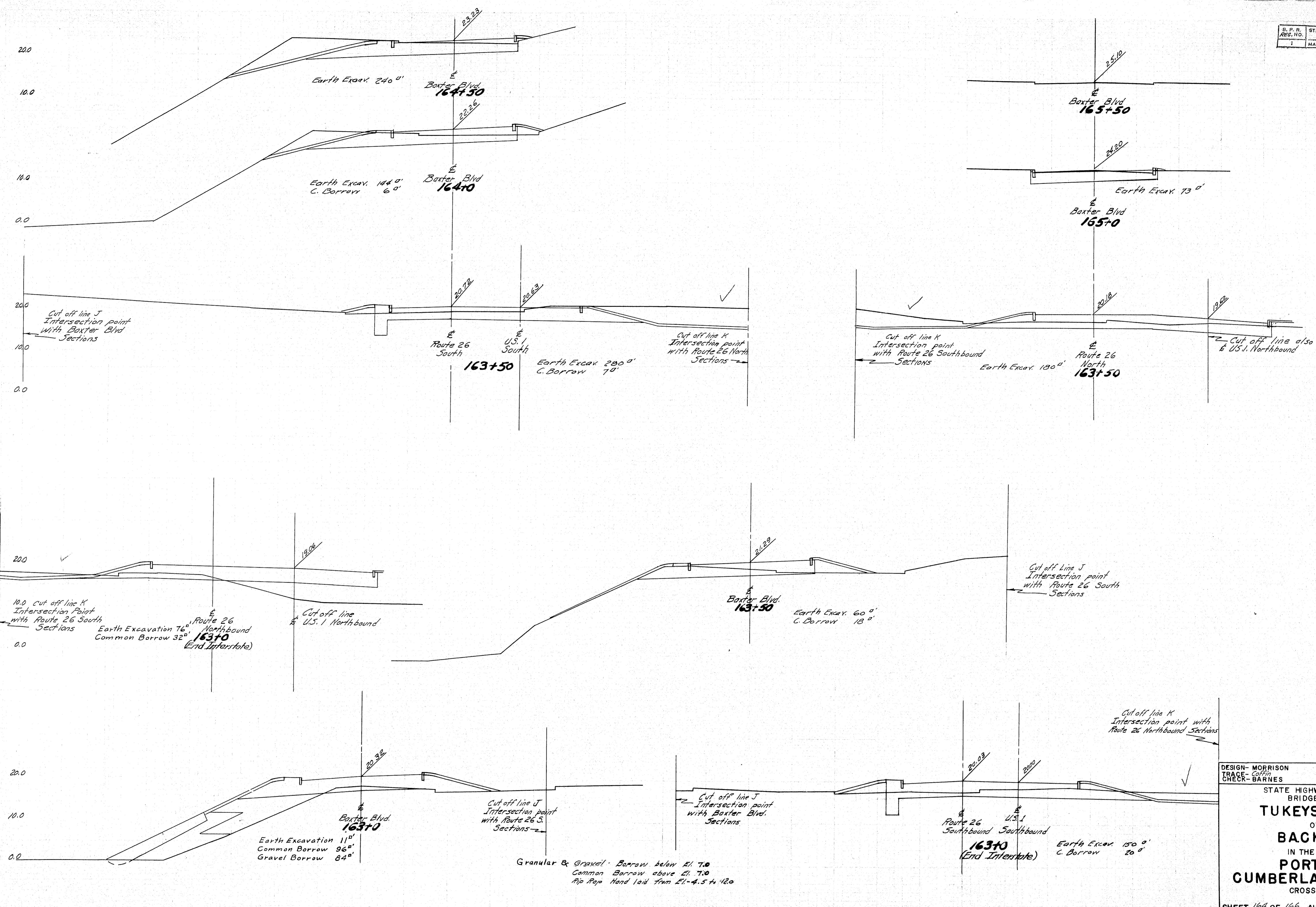
DESIGN - MORRISON TRACE - MORRISON CHECK - BARNES	BRIDGE NO.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	
SHEET 163 OF 166 AUGUSTA, MAINE OCT. 1957	

76-163



B. P. R. DES. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	2-282-166	166	166

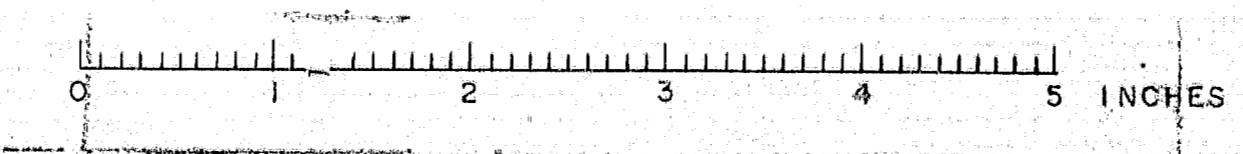
1-BOS-363 50



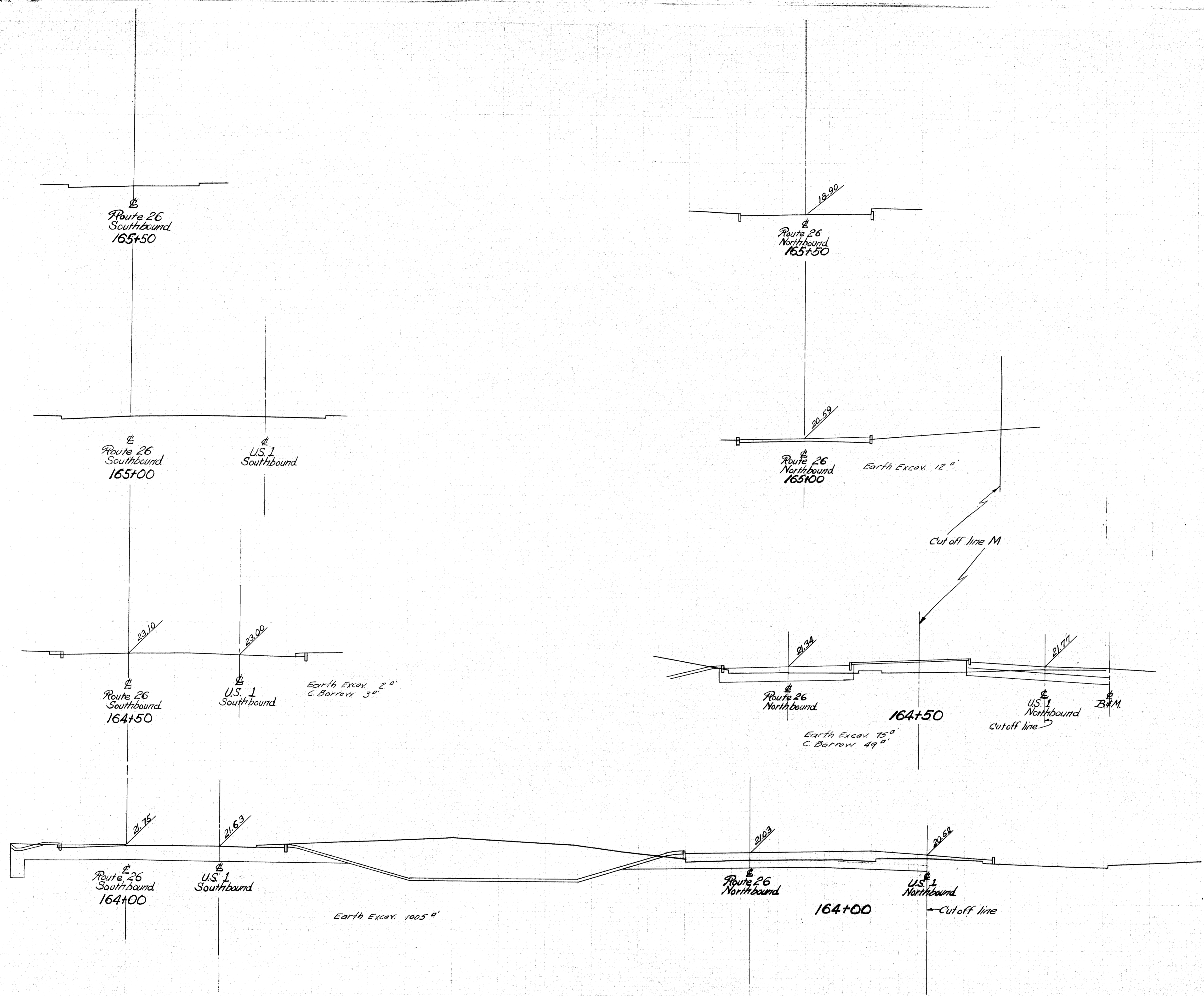
DESIGN- MORRISON
TRACE - COFFIN
CHECK - BARNES

BRIDGE NO.
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND
CUMBERLAND COUNTY
CROSS SECTIONS

SHEET 166 OF 166 AUGUSTA, MAINE, OCT. 1957.



D.P. R. NO.	STAT.	FED. AID PROJ. NO.	SHEET NO.	T. TOTAL SHEETS
1	MAINE	7-000-100	165	166
I-885-3043 50				



DESIGN - MORRISON
TRACE - Morrison
CHECK - BARNES

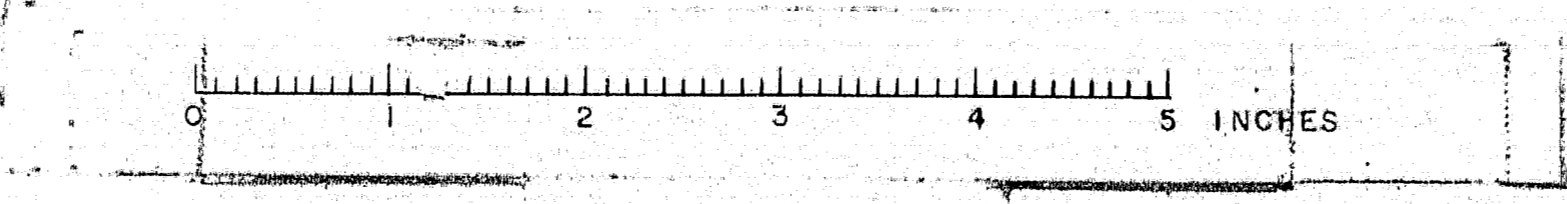
BRIDGE NO.

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TUKEYS BRIDGE
OVER
BACK COVE
IN THE CITY OF
PORTLAND,
CUMBERLAND COUNTY
CROSS SECTIONS

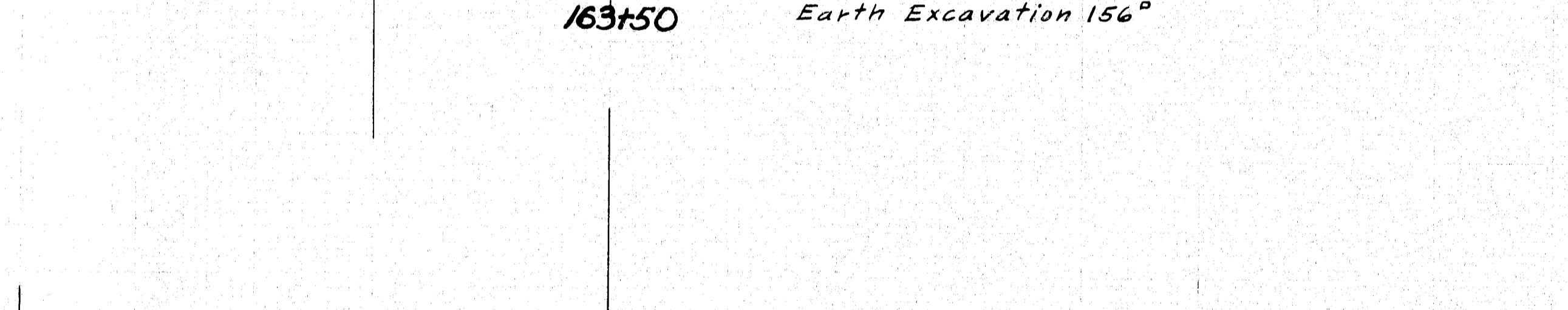
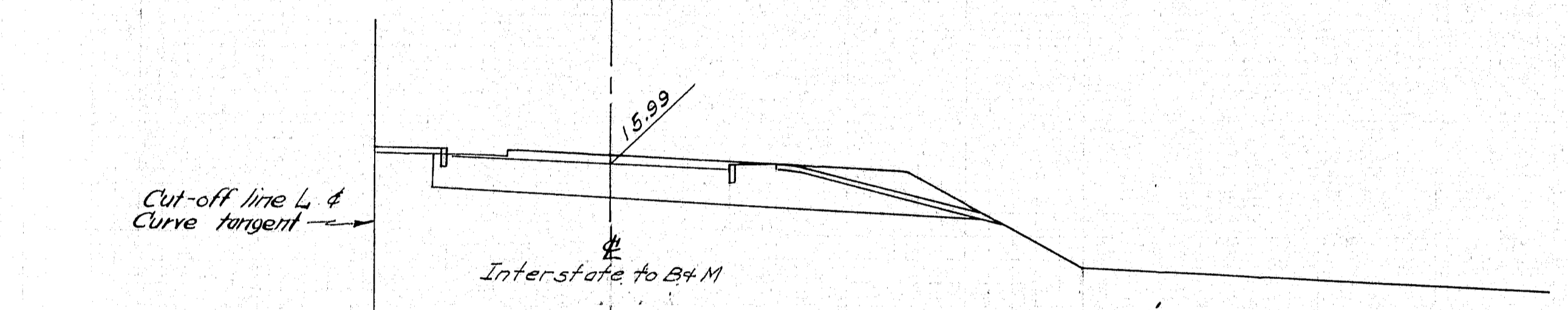
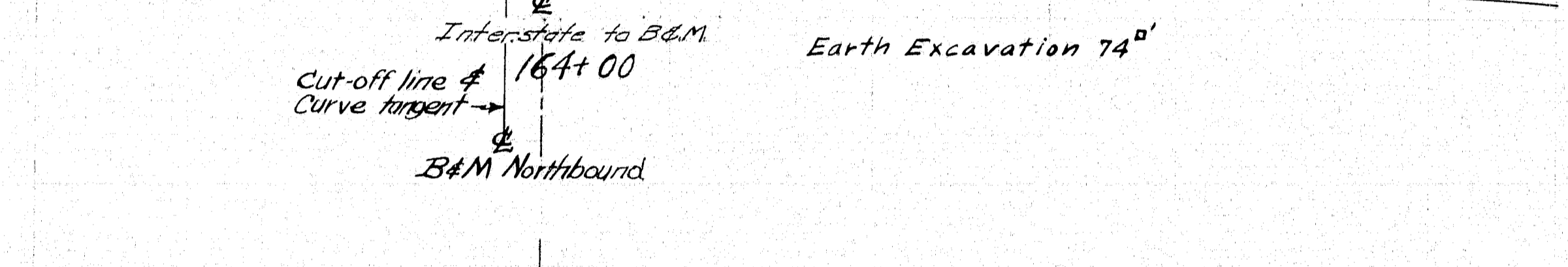
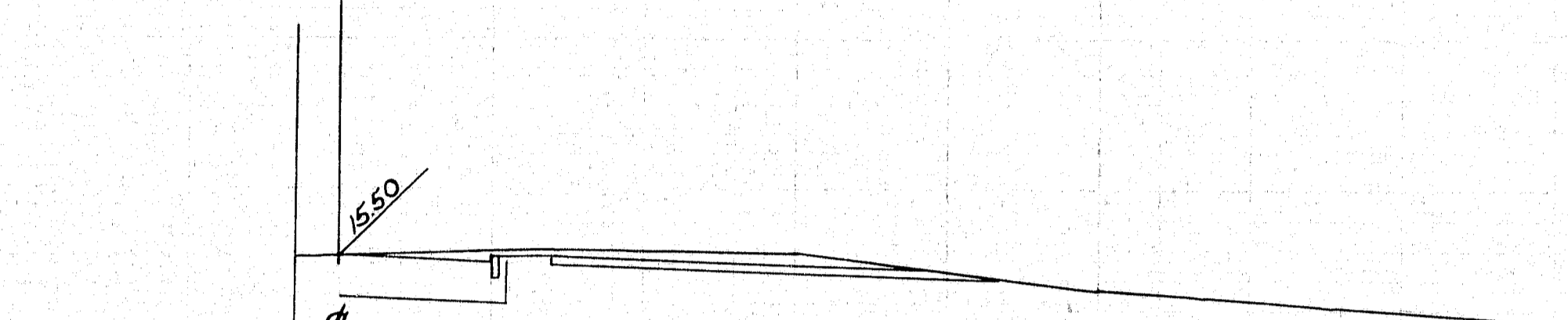
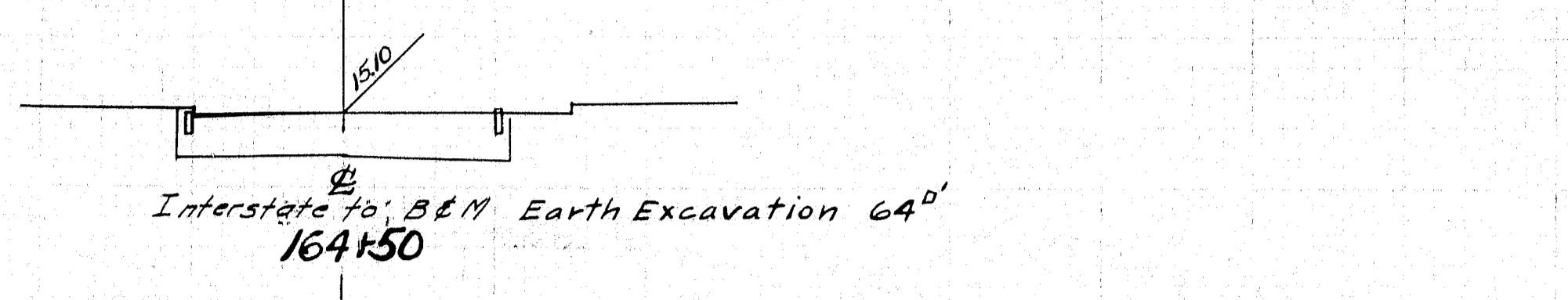
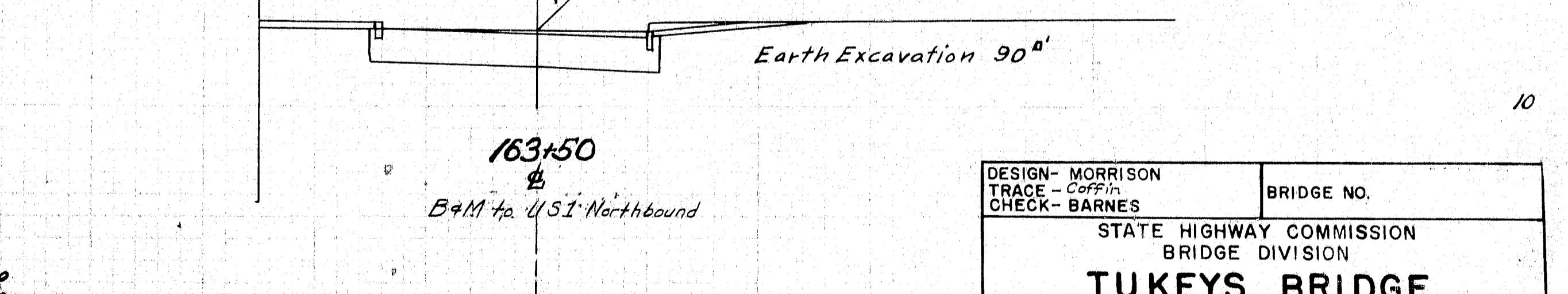
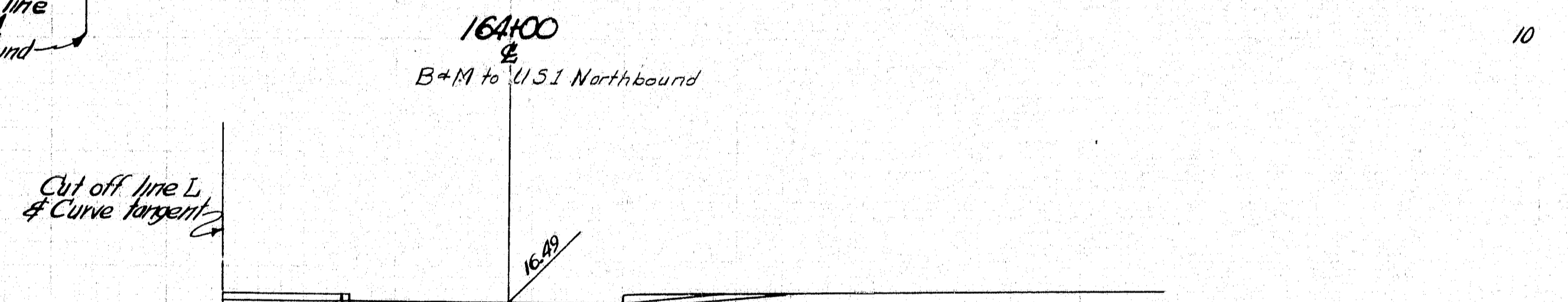
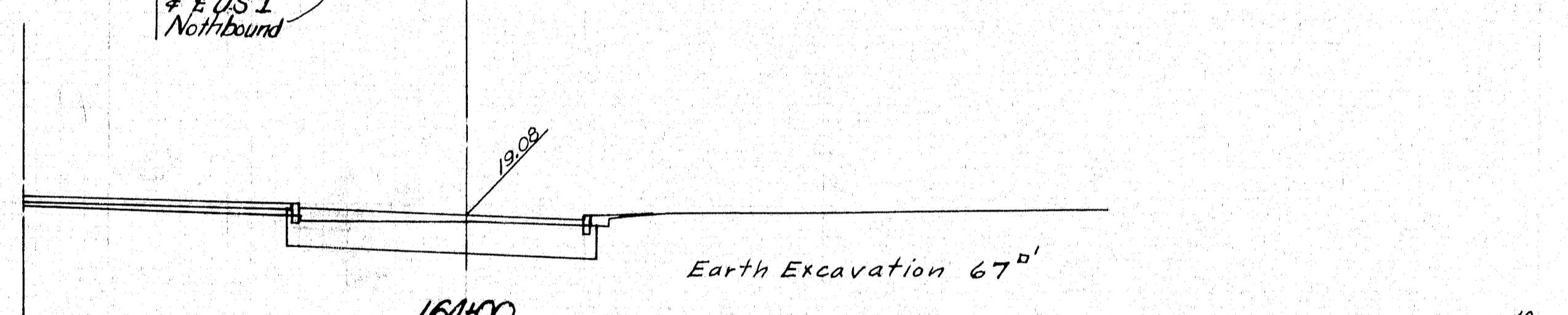
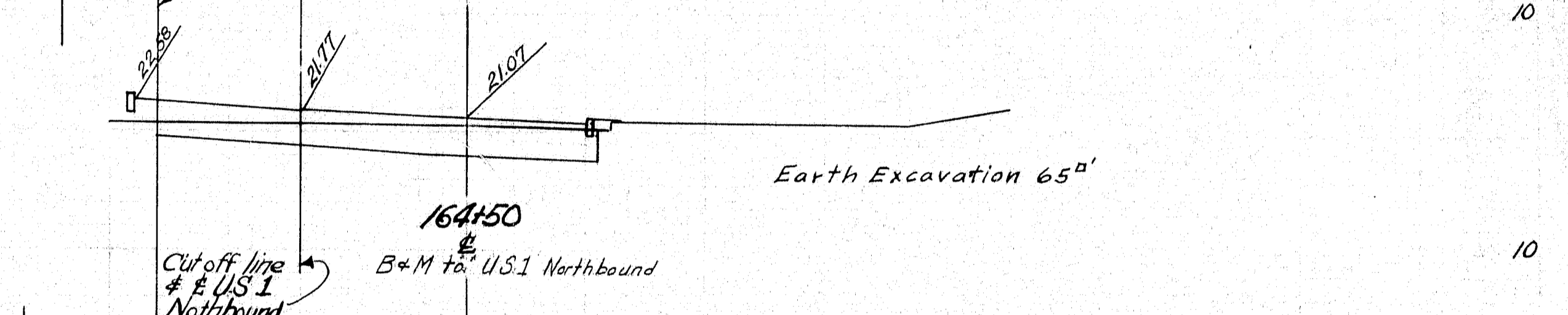
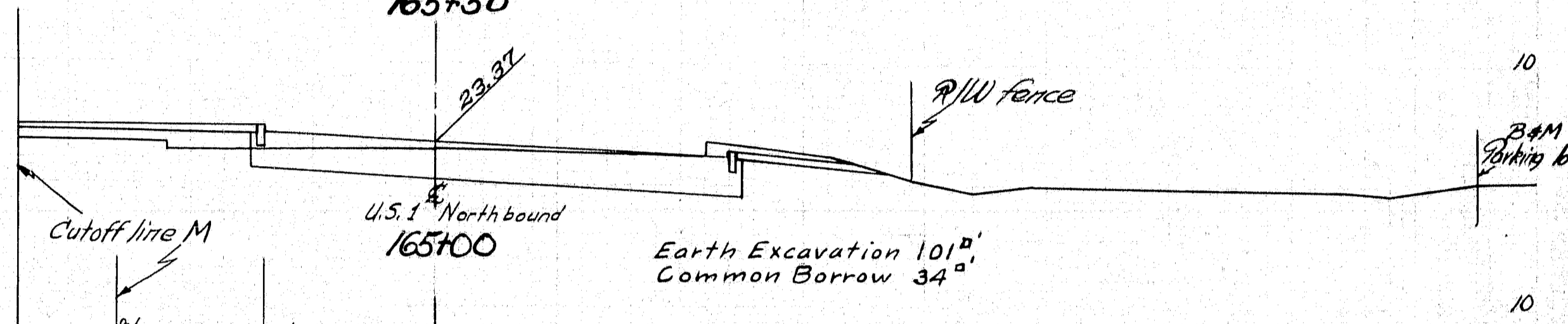
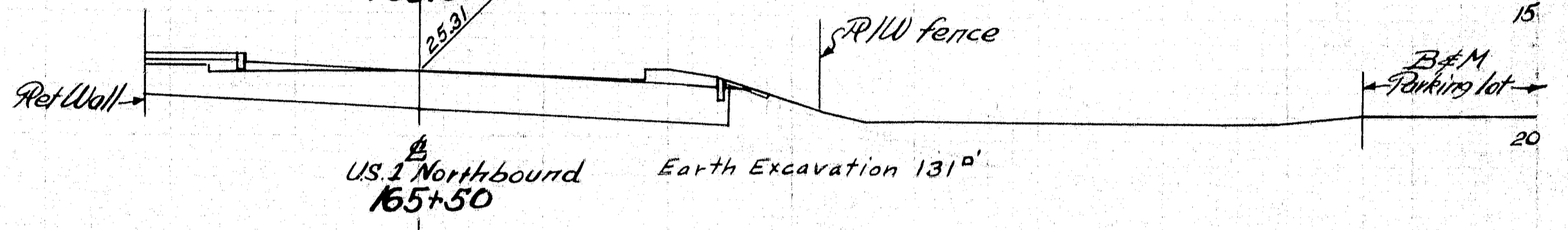
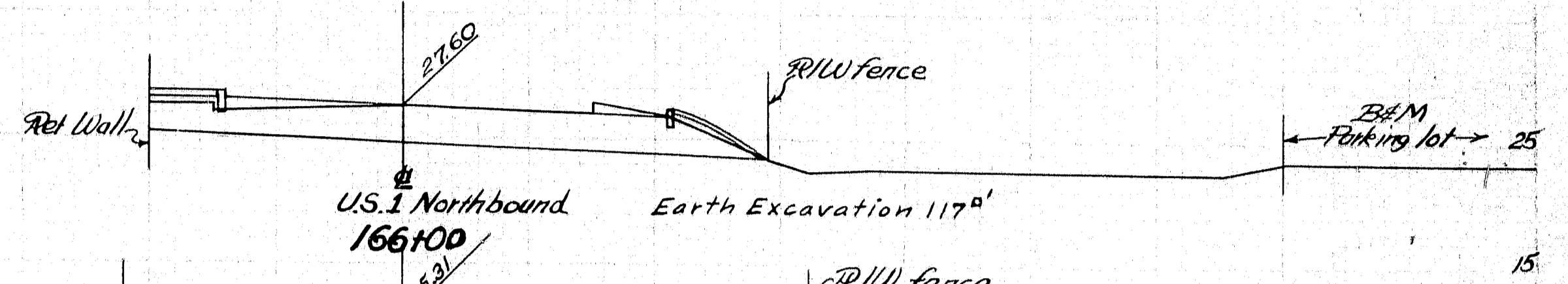
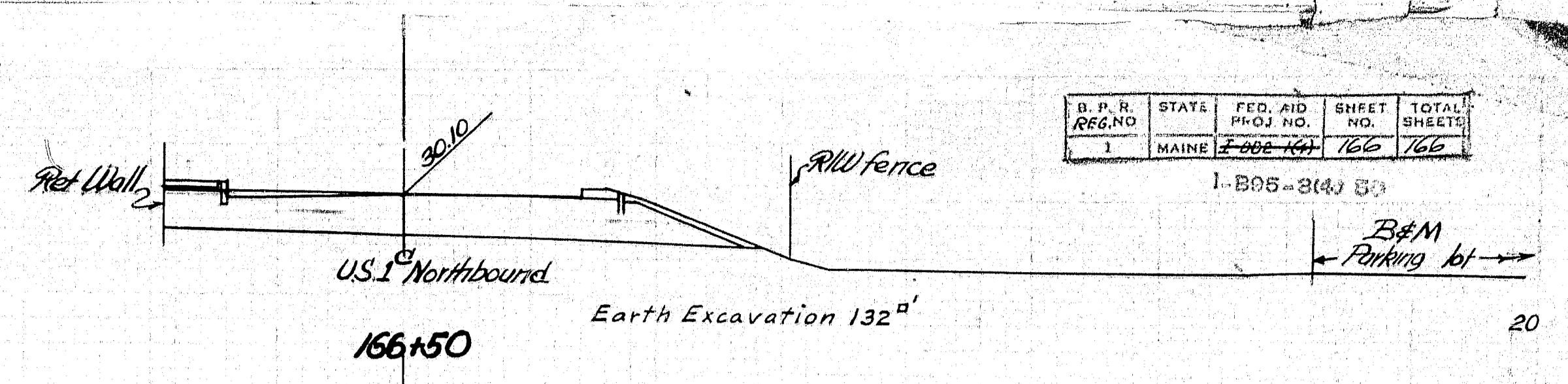
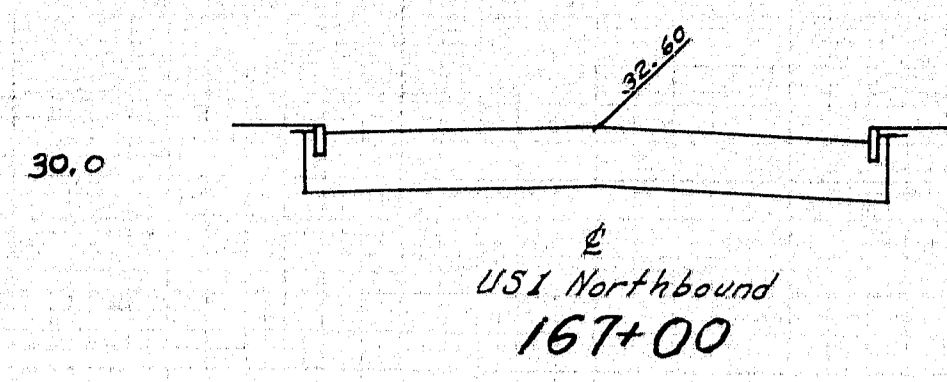
SHEET 165 OF 166 AUGUSTA, MAINE, OCT. 1957

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B. P. R. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	1-805-166	166	166

I-805-314J 53



Granular & Gravel Borrow Below El. 7.0
 Common Borrow above El. 7.0
 R/W Top Hand Side From El. -4.5 to 12.0

DESIGN - MORRISON	BRIDGE NO.
TRACE - Coffin	
CHECK - BARNES	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TUKEYS BRIDGE	
OVER	
BACK COVE	
IN THE CITY OF	
PORTLAND	
CUMBERLAND COUNTY	
CROSS SECTIONS	

SHEET 166 OF 166 AUGUSTA, MAINE, OCT. 1957
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