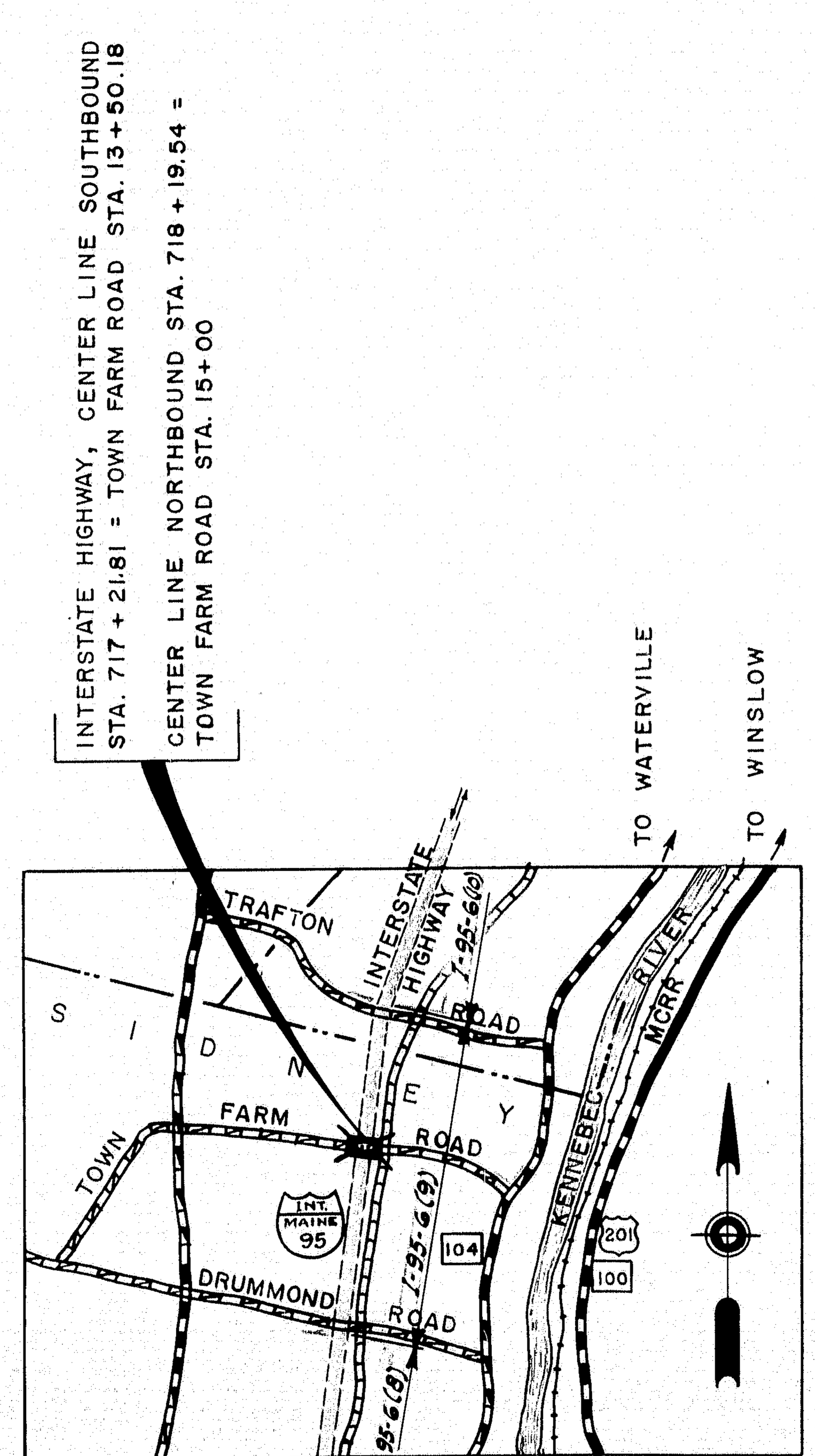
B. P. R. REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	1	18

STATE OF MAINE
STATE HIGHWAY COMMISSION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

FEDERAL AID PROJECT NO. I-95-6(15)117

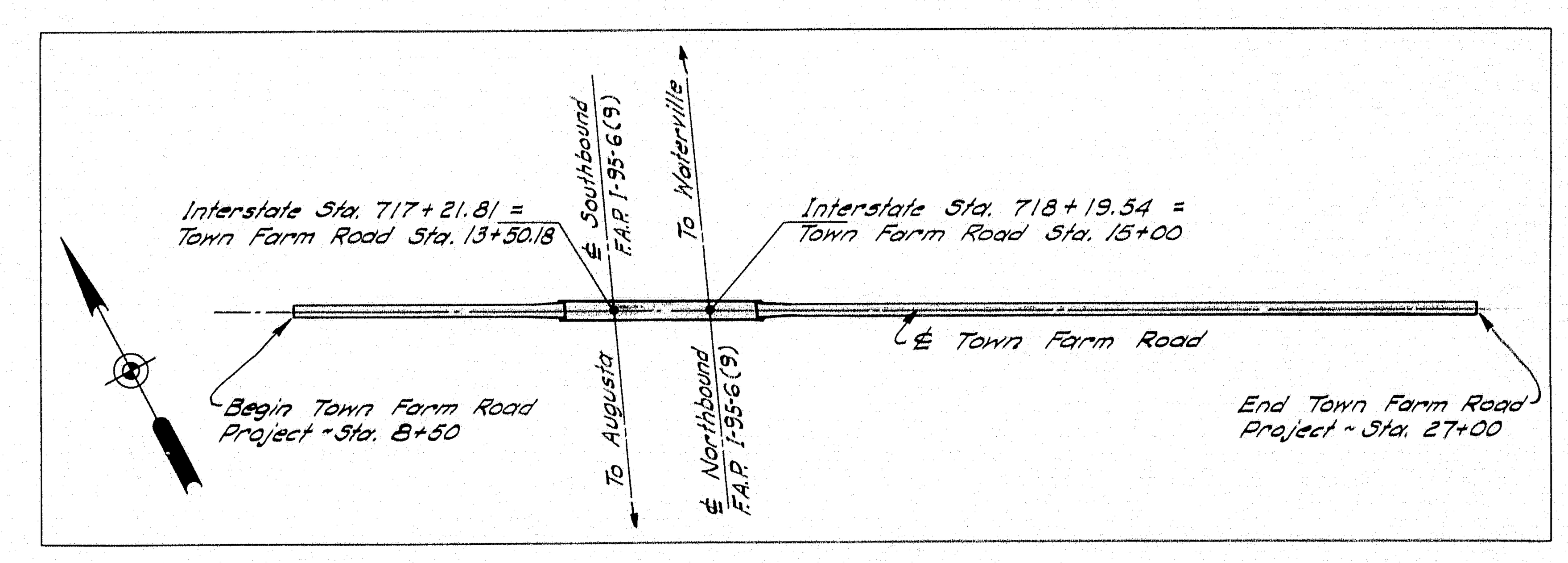


LOCATION MAP
SCALE — 1 INCH = 1 MILE

TRAFFIC

A.D.T. 1960	= 60
A.D.T. 1980	= 85
D.H.V.	= 13
T	= 8 %
D	= 50 %
V	= 40 m.p.h.

INDEX OF SHEETS



LAYOUT PLAN
Scale ~ 1" = 200'

APPROVED:
MAINE STATE HIGHWAY COMMISSION

CHAIRMAN

CHIEF ENGINEER

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
REGION 1

APPROVED:

DIVISION ENGINEER — DATE

74-154

0 1 2 3 4 5 INCHES

STATE REG. NO.	STATE PROJECT NO.	FED. AID PROJECT NO.	SHEET NO.	TOTAL SHEETS
3	MASS.	I-95-6(61)117	2	18

Theodore Russell

Barn

Shed

House

Porch

Gas Pump

Garage

C.M.P. #38

15"x24" C.M.P.

23.0

20.63

C.M.P. #25

71.80'

28" Maple

27" Maple

23" Maple

C.M.P. #26

2 Car Gar.

28" Maple

Tool Box

25" Maple

26" Maple

Driveway

13 Stn. Wood Frame House

Orrin S. Martin

Wood Frame Barn

Old R/W

Install 15"x30' C.M.P.

PASTURE

Old R/W

2 STRAND

C.M.P.

See X-Section Sh. 8
Install 18" Culvert

R/W

PASTURE

Approx. Toe of Slope

50' R/W

2 STRAND

(Remove)

22" Maple

30" Maple

22" Maple

38" Elm (Remove)

12"x23" C.M.P.

20" Elm (Remove)

FIELD

R/W

PASTURE

Const. Limit Line

10°± Curve

Temporary Easement

STA. 717+21.81 INTERSTATE
STA. 13+50.18 TOWN FARM Rd.

B.M. Elev. 182.23

R/W

Transmission Line to be removed

E. INTERSTATE

TRANSMISSION LINE

C.M.P. #460

SOUTHBOUND

NORTHBOUND

STA. 718+18.54 INTERSTATE
STA 15+00 TOWN FARM ROAD

96°-29'-16"

96°-00'

Old Borrow Pit

3" Birch

77.80'

35.77'

4" Elm

Poplar

BUSHES

FIELD

R/W

Proposed Relocation of Transmission Line

Survey
Δ=3°-42' Rt.
D=2°-00'
R=2864.93'
T=92.84'
L=185.00'
E=1.50

FIELD

R/W

Approx. Toe of Slope

Old R/W

S-60°-45'-E

MIXED SECOND GROWTH

R/W

10°± Curve

Temporary Easement

Clearing Limits

Temporary Road

NOTE: Construction and maintenance of Temporary Road to be done by others.

125' typical

PLAN
Scale: 1"=50'

600' V.C. Ext. 7.74

+204.70

+3.32%

-7.0%

300' V.C. Ext. 1.93

100' Transition

Begin Project

-1.82%

+3.32%

188.43

400' V.C. Ext. 3.025

STA. 718+19.54 INTERSTATE
STA 15+00 TOWN FARM ROAD

EXISTING TRAVERSE

PROFILE

PROFILE
Scales: Vert. 1"=5'
Horiz. 1"=50'

	5	6	7	+60	8	9	10	+60	11	12	13	14	15	16	17	18	19	20
200																		
190					190.42	190.30	190.80	191.73	193.09	194.74	196.19	197.20	197.29	189.84	186.99	183.70	180.20	176.70	173.39
180									193.34										
170																			
160																			

TOWN FARM ROAD,
SIDNEY

74-155

0 1 2 3 4 5 INCHES

B.P.R. NO					
1	MAINE	I-95-6(15)117	3	18	

Proposed Relocation of Transmission Line

F I E L D

Approx. Toe of Slope

Survey
Δ = 3°42' Rt
D = 2°-00'
R = 2864.93
T = 92.84'
L = 185.00
E = 1.50'

Old R/W

R/W

Tack in Hub

See X-Section Sh. #9
Install 18" culvert

12"24" C.M.P.

8 Rod Rd.

Survey
Δ = 3°06 Lt
D = 2°-30'
R = 2292.01'
T = 62.02'
L = 124.00'
E = 1.05'

Survey
Δ = 3°44' Rt
D = 2°30'
R = 2292.01
T = 74.70'
L = 149.33'
E = 1.21

S-60°-45'-E

Survey 20+50.86

Survey P.I. 23+35.25

Survey P.I. 24+58.45

Survey 27+20 Rt

Construction & Drift

Approx. Top of Cut-Slope

Tack in Hub

Tie in Hub

Clearing Limits

12" Hemlock

6" Elm

10°± Curve

B U S H E S

F I E L D

M I X E D

G R O W T H

S E C O N D

Old R/W

5" Poplar

Horn Beam

6" Maple

5" Poplar

Temporary Easement

Temporary Road

NOTE: Construction and maintenance of Temporary Road to be done by others.

PLAN
Scale: 1"=50'

Const. Line
Δ = 49°-20' Lt
D = 0°-50'
R = 11459.16'
T = 483.20'
L = 866.67'
E = 8.20'
P.I. = 34+28.35.25

P.T. = 27+68.42

600' V.C. Est. 7.74

400' V.C. Est. 3.02

-7.0 %

162.70

-0.95%

-0.95%

℄ 155.58

End Project

100' Transition

PROFILE
Scales: Vert. 1"=5'
Horiz 1"=50'

193.70	180.20	176.70	173.38	170.46	167.91	165.73	163.94	162.51	161.47	160.80	160.33	159.85	159.38	158.90	158.43	157.95	157.48	157.00	156.52	156.05	155.60
17		18		19		20		21		22		23		24		25		26		27	28	29	30	31

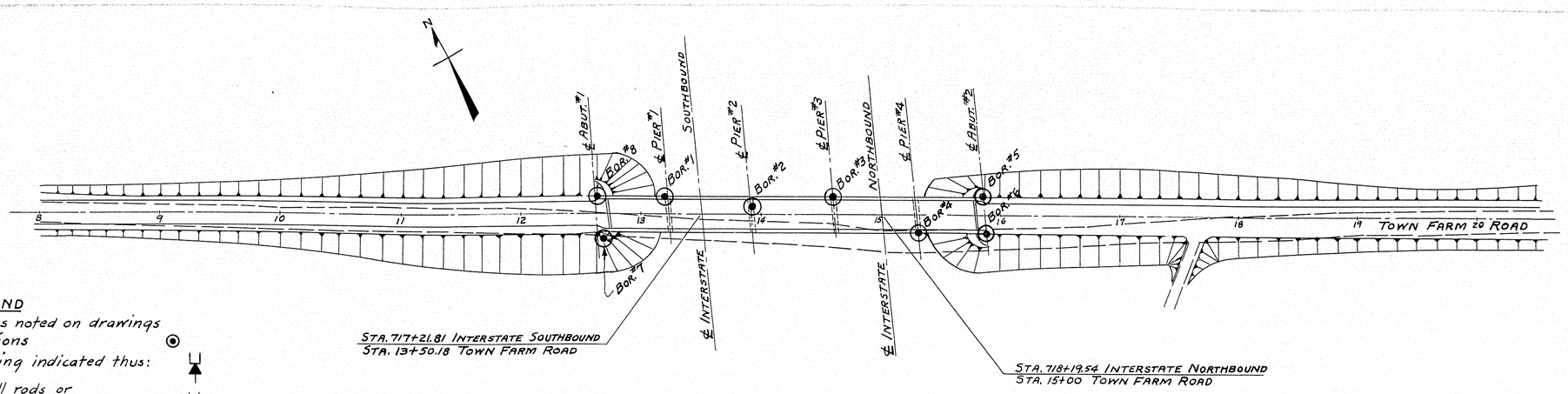
170 160 150 140 130

0 1 2 3 4 5 INCHES

TOWN FARM ROAD, SIDNEY

74-156

B.P.R. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	4	18



LEGEND

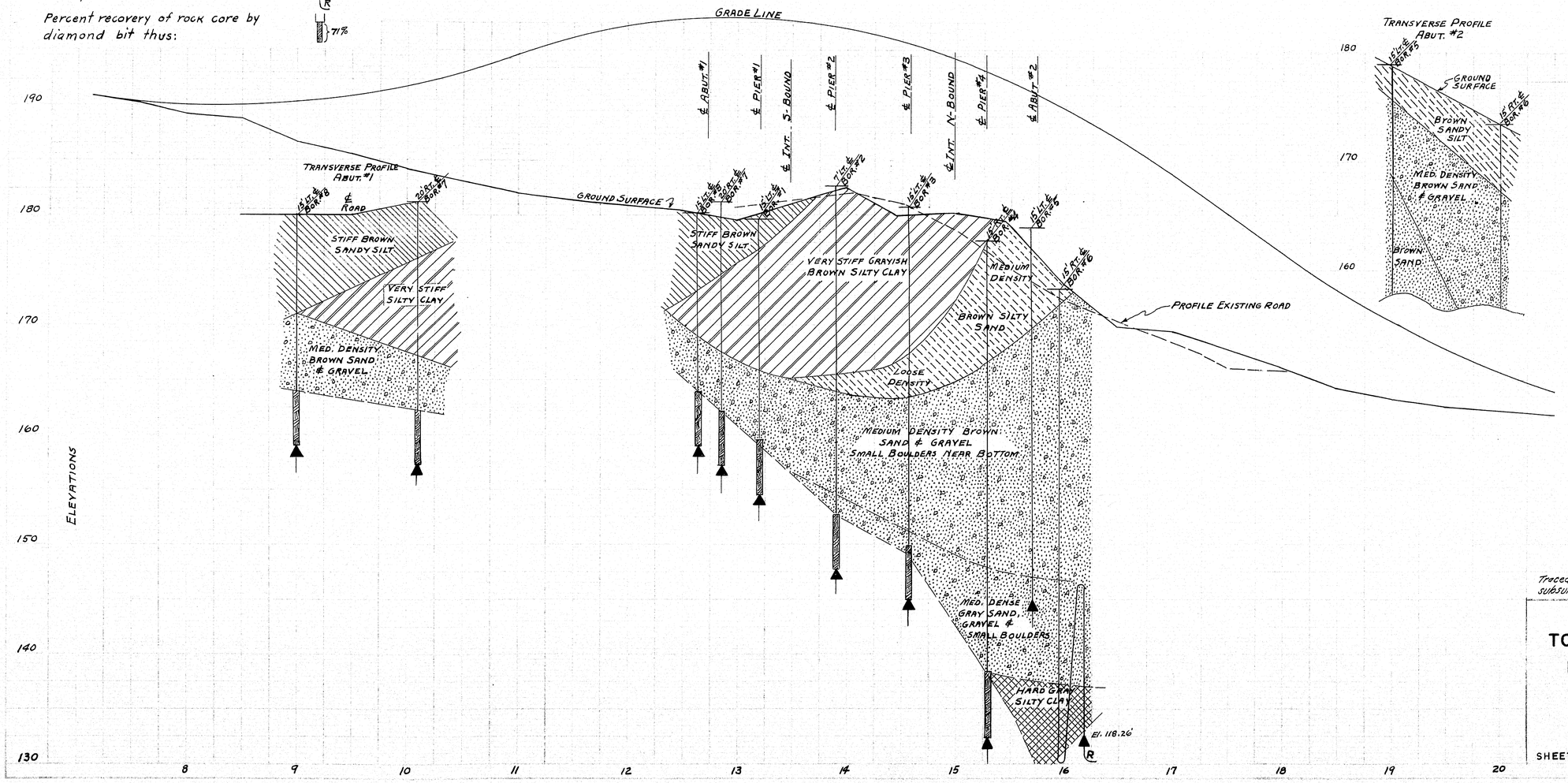
Casing size as noted on drawings

Boring locations ⊙

Bottom of boring indicated thus: ▼

Refusal of drill rods or Casings indicated thus: ▼ R

Percent recovery of rock core by diamond bit thus: 71%



Traced from plans included in report of subsurface investigation.

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

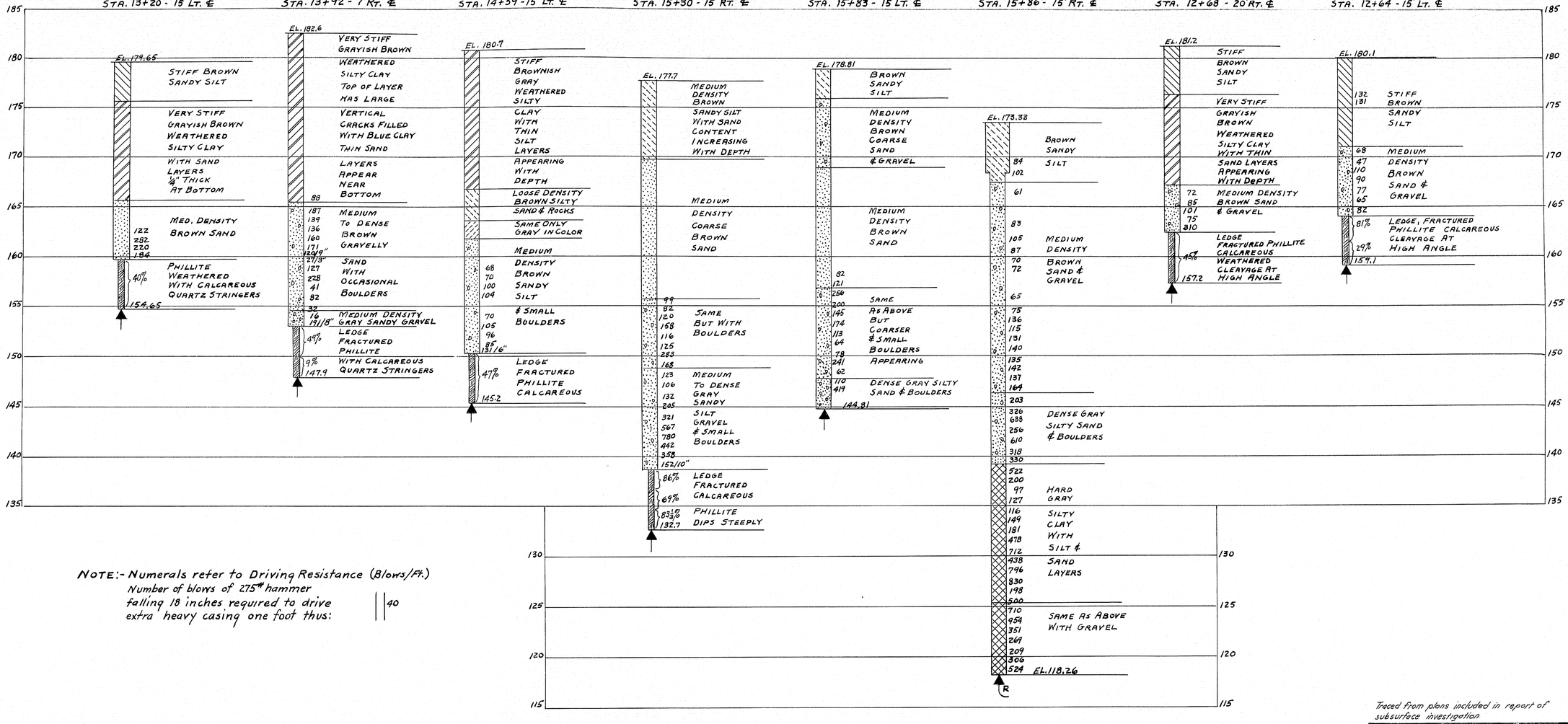
FOUNDATION SURVEY

SHEET 4 OF 18 AUGUSTA, MAINE MAY 1958

74-157

0 1 2 3 4 5 INCHES

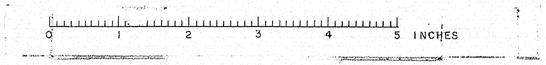
B. P. R. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	5	18



NOTE:- Numerals refer to Driving Resistance (Blows/Ft.)
Number of blows of 275# hammer falling 18 inches required to drive extra heavy casing one foot thus: 40

BORING LOGS

Scale 1" = 5'



Traced from plans included in report of subsurface investigation

DESIGN –	BRIDGE NO.
TRACE – WELCH	SURVEY –
CHECK –	PLOT –

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

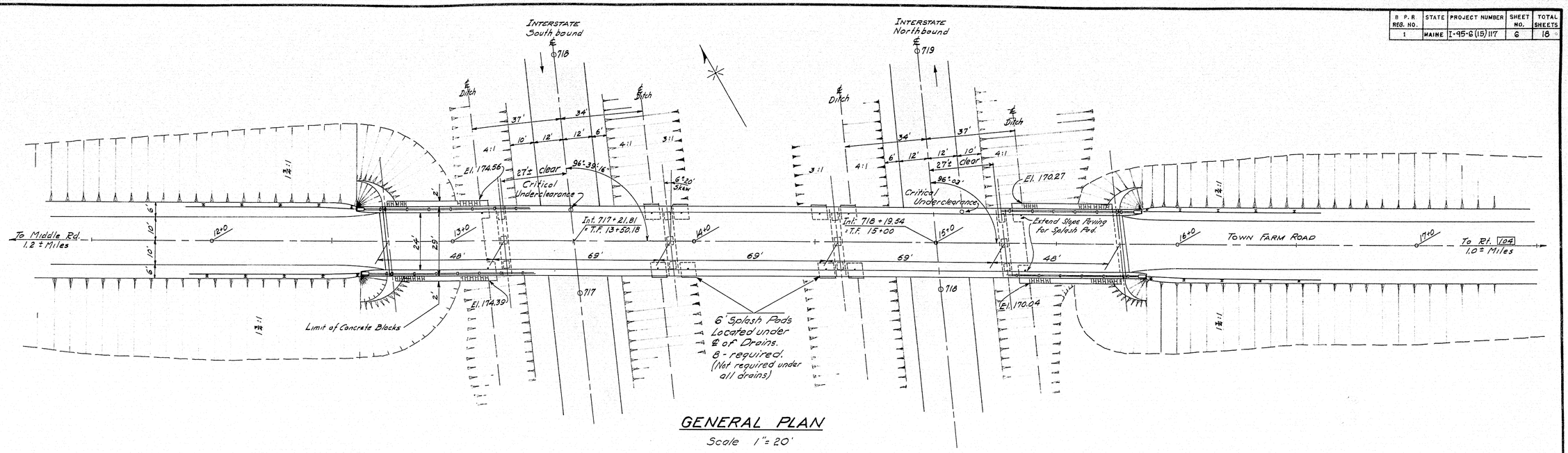
TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

FOUNDATION SURVEY

SHEET 5 OF 18 AUGUSTA, MAINE MAY 1958

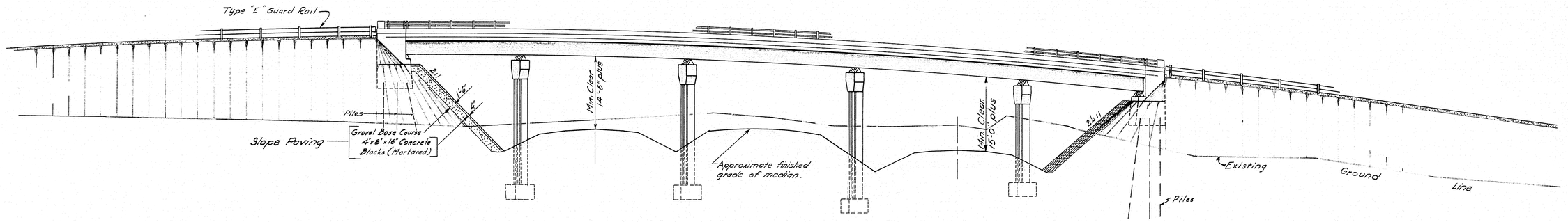
74-158

B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	6	18



GENERAL PLAN

Scale 1" = 20'



GENERAL ELEVATION

Scales Hor. 1" = 20'
Vert. 1" = 10'

Note: Payment for excavation for toe of Slope Paving or Splash Pads to be made under Item 204-14, Structural Earth Excavation, Piers.

The 18" Gravel Base under the Slope Paving and Splash Pads may be reduced or omitted if in the opinion of the Engineer the fill or existing material is suitable.

6'-6" Splash Pads to be constructed and paid for as Slope Paving.

A transition will be made under the highway grading contract to blend the cut slopes of the interstate highway into the slopes of the paving under the end spans.

LOADING H20-44

DESIGN SPECIFICATIONS

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

CONTRACT SPECIFICATIONS

STATE OF MAINE, STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS, REVISION OF JAN. 1956.

CONCRETE CLASSIFICATION

PIERS, SUPERSTRUCTURE & APPROACH SLABS.....CLASS A
ABUTMENTS (EXCEPT AS NOTED).....CLASS B

DESIGN F.B.F.	BRIDGE NO.
TRACE "	SURVEY -
CHECK N.L.J.	PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

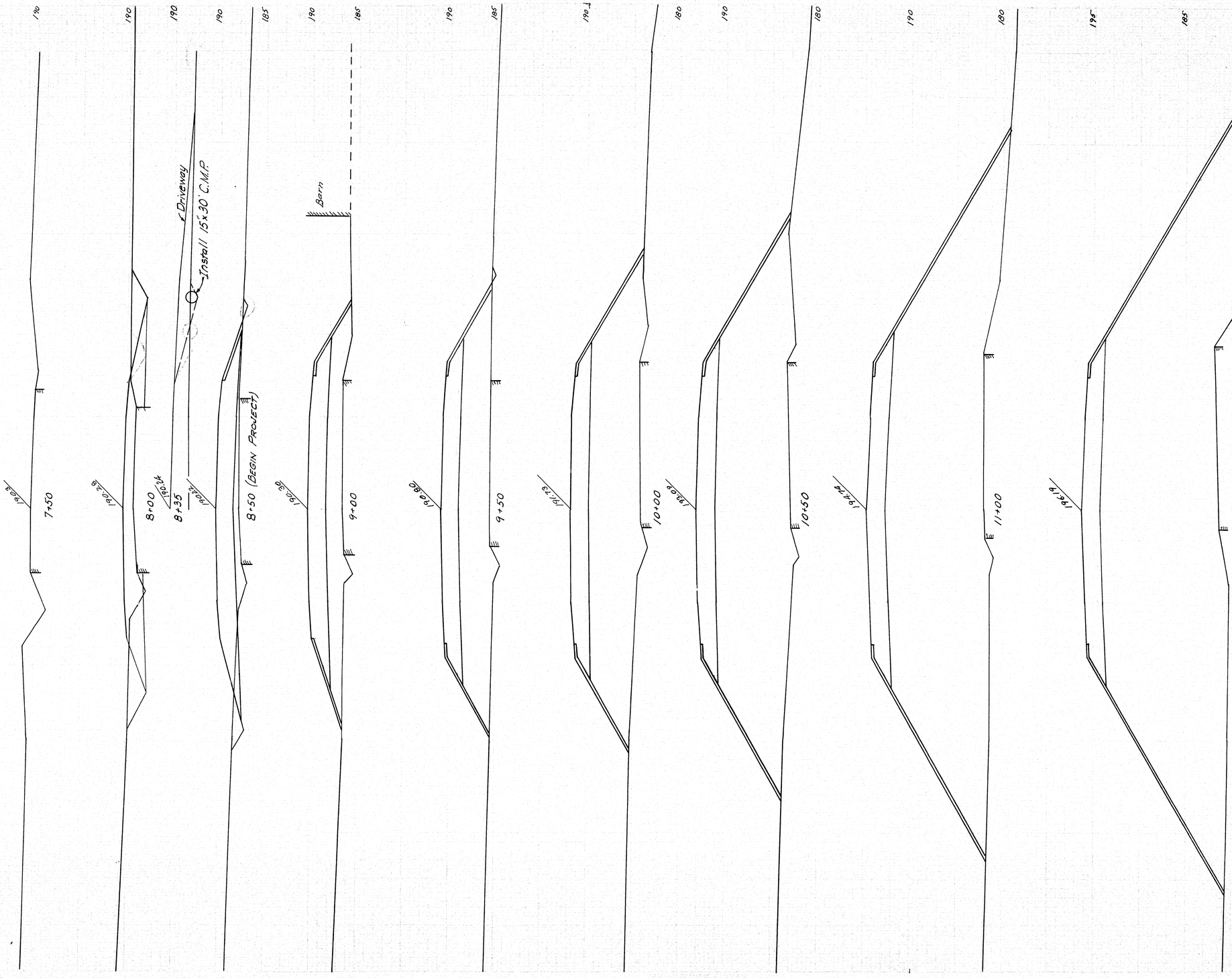
GENERAL PLAN

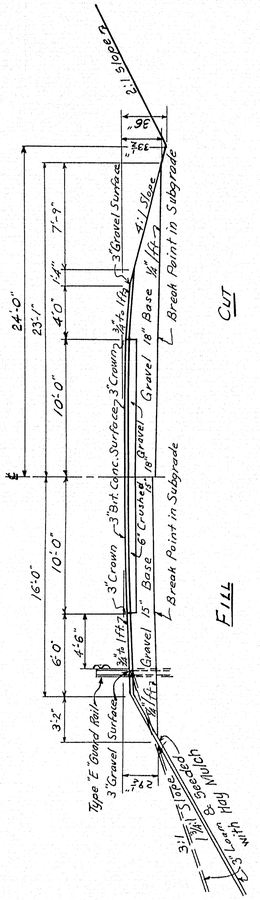
SHEET 6 OF 18 AUGUSTA, MAINE MARCH, 1958

74-159

0 1 2 3 4 5 INCHES

B. P. R. R&R NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15) 117	7	18





TYPICAL TRANSVERSE SECTION

DESIGN- F.B.F.
TRACE- F.B.F.
CHECK — R.J.L.

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

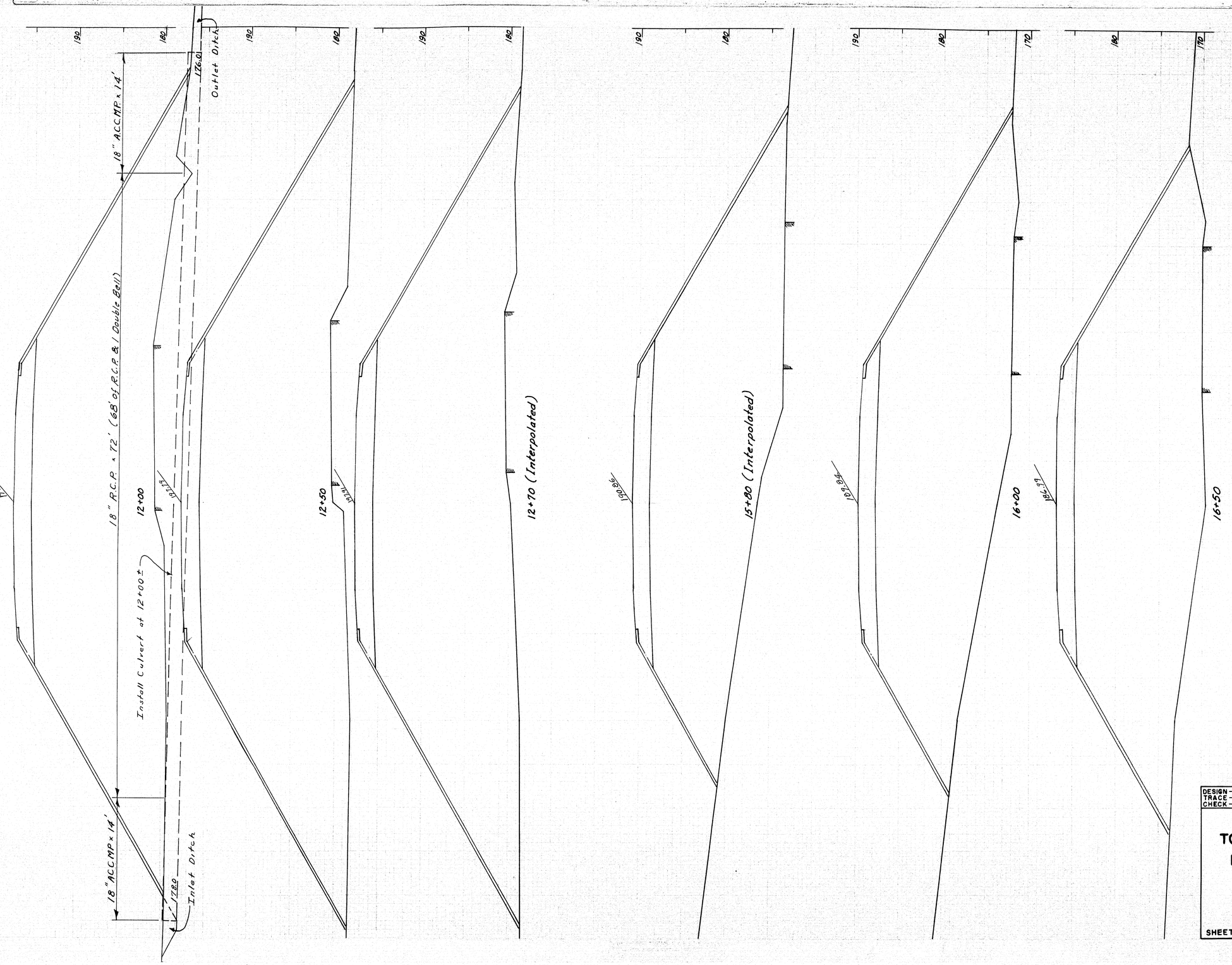
CROSS SECTIONS

SHEET 7 OF 18 AUGUSTA, MAINE MARCH, 1958

74-160

0 1 2 3 4 5 INCHES

B. P. R. Proj. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	8	18



DESIGN – F.B.F.
TRACE – F.B.F.
CHECK – J.W.L.

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

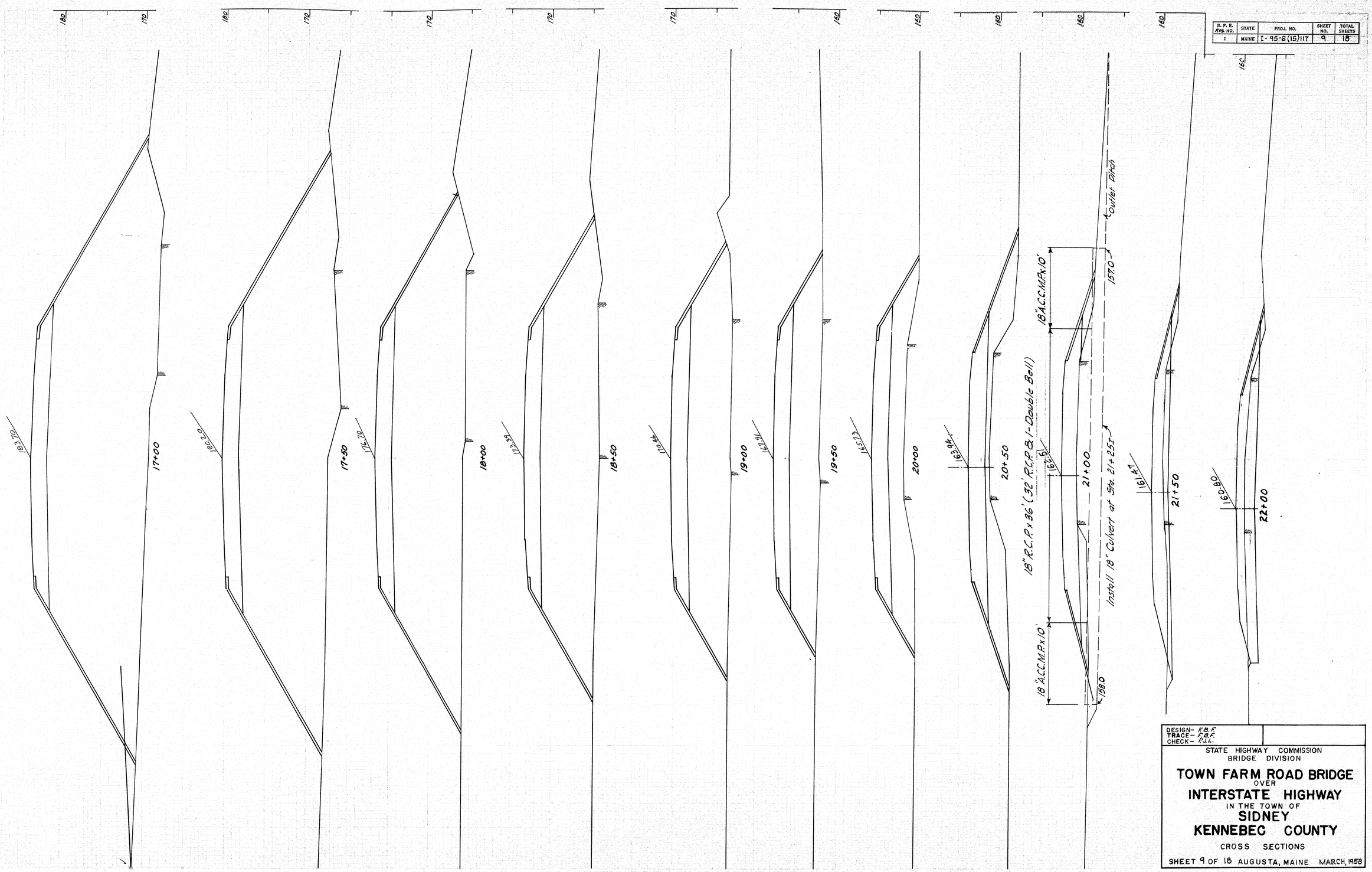
CROSS SECTIONS

SHEET 8 OF 18 AUGUSTA, MAINE MARCH, 1958

74-161

0 1 2 3 4 5 INCHES

B. P. R. Proj. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	9	18



DESIGN- F.B.F.
TRACE- F.B.F.
CHECK- P.J.L.

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

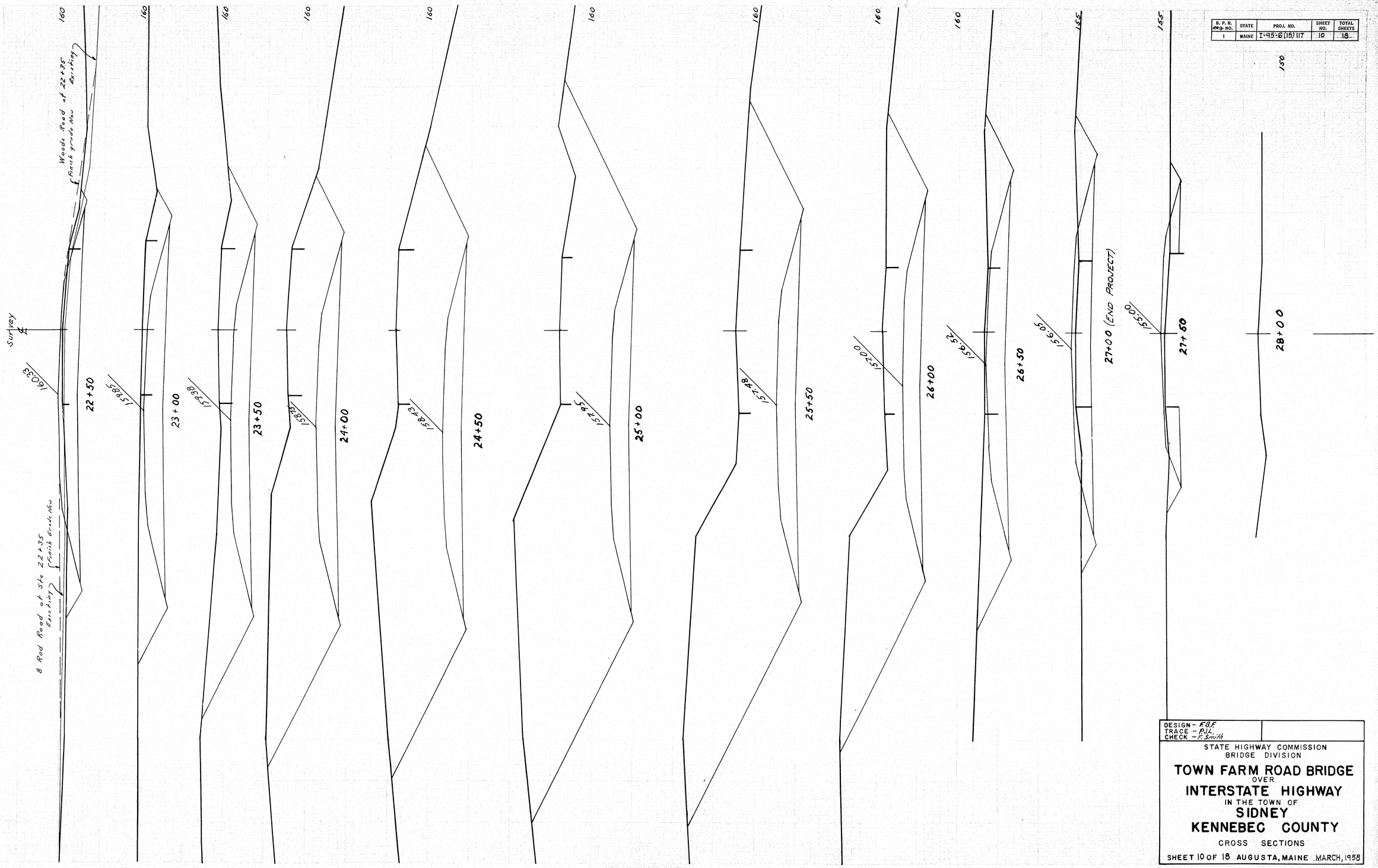
CROSS SECTIONS

SHEET 9 OF 18 AUGUSTA, MAINE MARCH, 1958

74-162

0 1 2 3 4 5 INCHES

B. P. R. REG. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	10	18



DESIGN - F.B.F.
TRACE - P.J.L.
CHECK - F. Smith

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

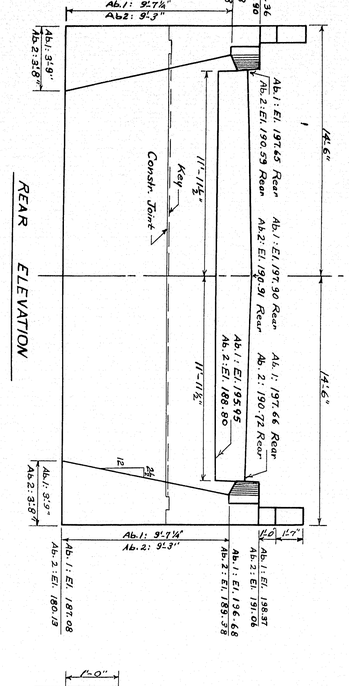
TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

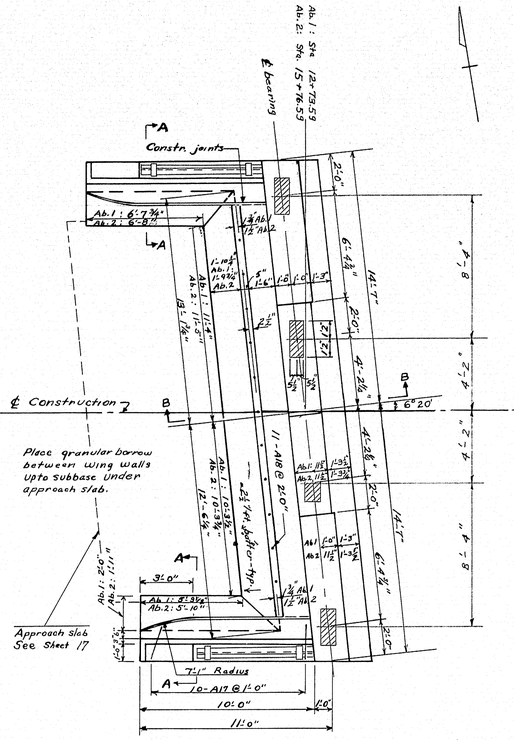
CROSS SECTIONS

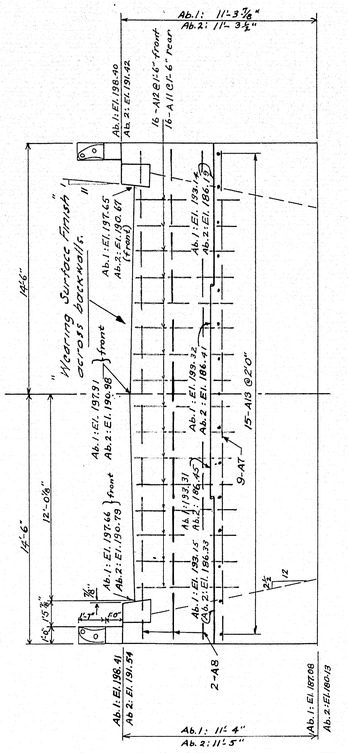
SHEET 10 OF 18 AUGUSTA, MAINE MARCH, 1958

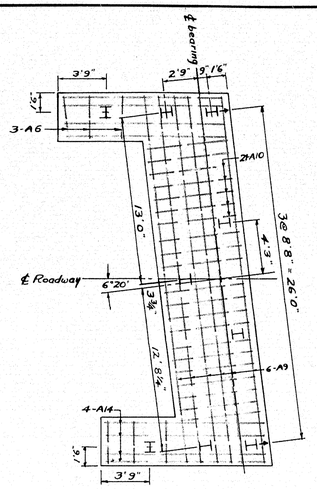
74-163

0 1 2 3 4 5 INCHES



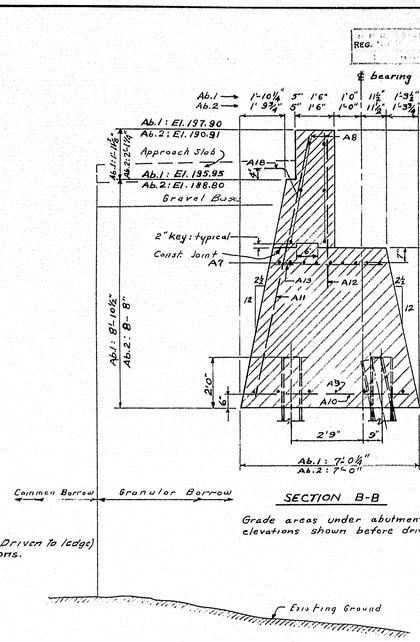






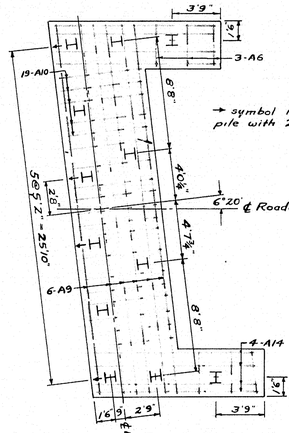
PILE & REINFORCING STEEL
PLAN - ABUTMENT No. 1

Required: 9-10"-10"-42" steel H-piles. (Driven to ledge)
Est. length 30'0". Max. pile load 37 tons.
Pile cutoff elevation 189.08.



SECTION B-B

Grade areas under abutments to elevations shown before driving piles.

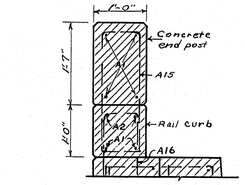


PILE & REINFORCING STEEL
PLAN - ABUTMENT No. 2

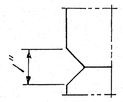
Required: 12-10"-10"-42" steel H-piles.
Est. length 40'0". Max. pile load 30 tons.
Pile cutoff elevation 182.13.

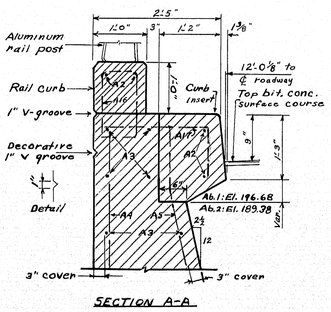
GENERAL NOTES

Dress shaded areas to exact bridge seat elevations shown.
All chamfers to be ½" and V-grooves 1".
Place reinforcing steel in bridge seats to clear anchor bolts
Concrete end posts, rail curbs and curb inserts to be Class A concrete, and to be paid for under Item 701-33, PCC abutments and retaining walls.
Backwall to be built after structural steel is erected. See sheet 15 for setting expansion dams in backwalls.

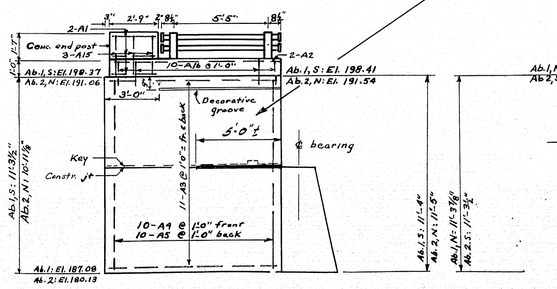


SECTION THROUGH CONCRETE END POST

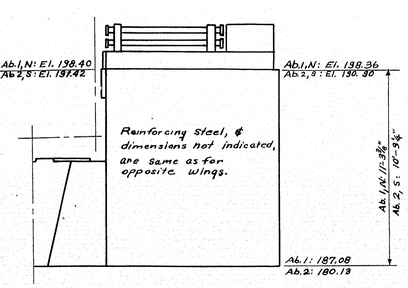




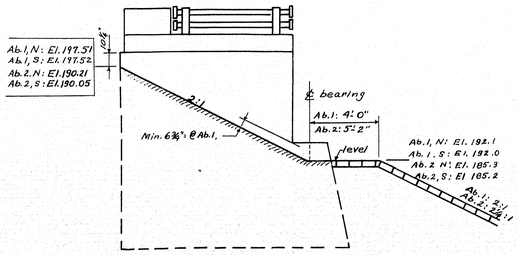
SECTION A-A



ELEVATION
South Wing Abutment No. 1
North Wing Abutment No. 2



ELEVATION
North Wing Abutment No. 1
South Wing Abutment No. 2



SLOPES AT ABUTMENTS

Abutment No. 1, South Wing, ℄ Abutment No. 2, North Wing: As shown. Other Wings: Opp. hand.

DESIGN - DRESELLY
TRACE - M.W.M. & R.D.
CHECK - N. Jose, F. Smith

BRIDGE NO.
SURVEY —
PLOT —

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

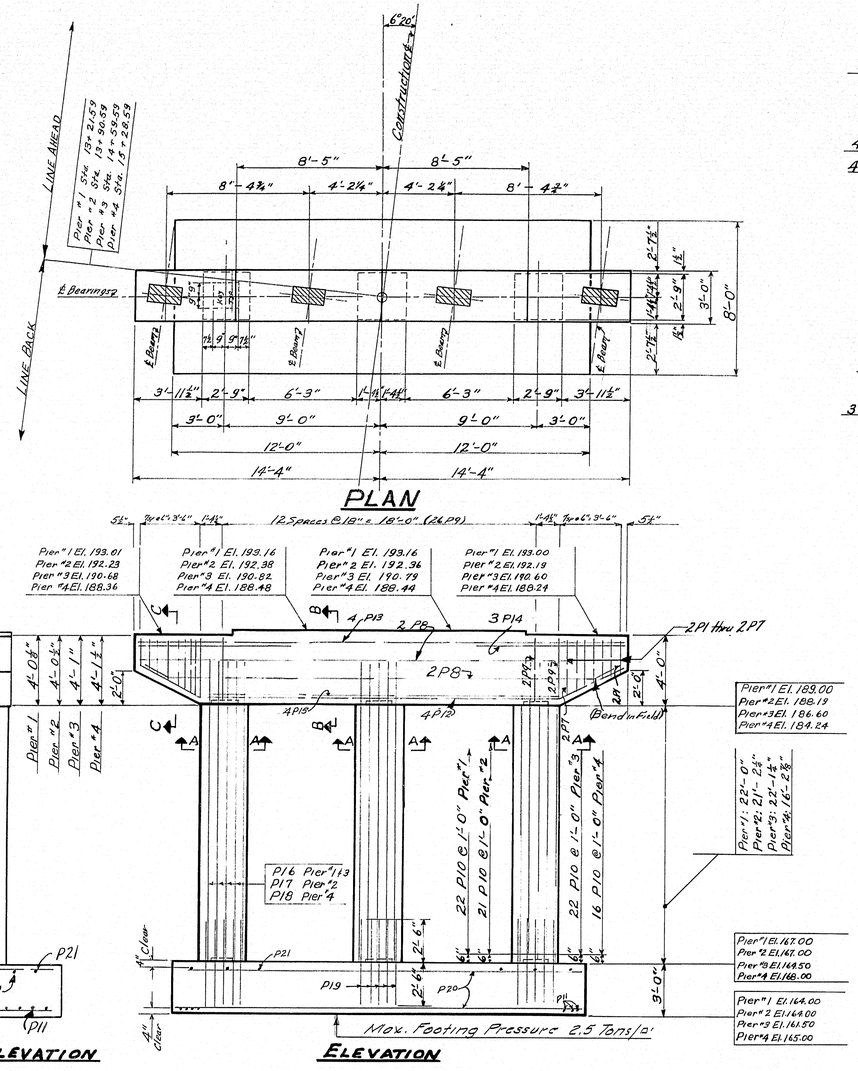
ABUTMENTS

SHEET 11 OF 18 AUGUSTA, MAINE — MARCH, 1958

74-164

0 1 2 3 4 5 INCHES

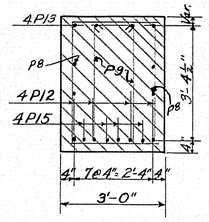
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	12	18



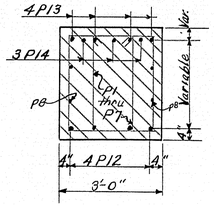
PLAN

END ELEVATION

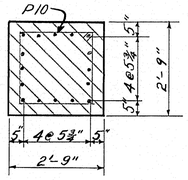
ELEVATION



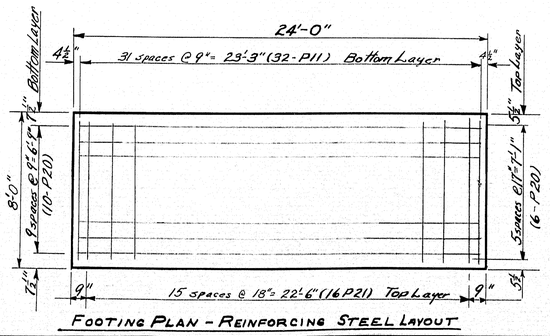
SECTION B-B



SECTION C-C



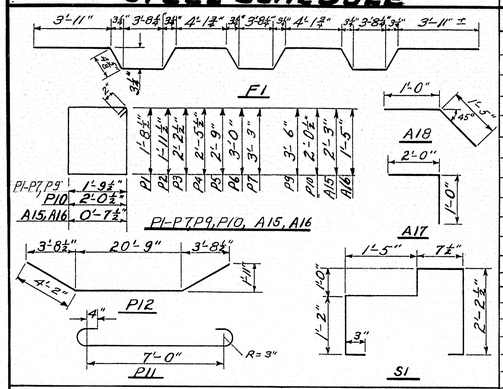
SECTION A-A



FOOTING PLAN - REINFORCING STEEL LAYOUT

NOTE:
Dress bearing areas 1" larger all around than bearing plates to exact elevation.
Place reinforcing steel in bridge seat to clear anchor bolts.

STEEL SCHEDULE



STRAIGHT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
F2	#5	728	28'-10"	Slab
F3	#4	106	24'-2"	"
F4		106	46'-8"	"
F5		159	22'-8"	"
F6		106	45'-8"	"
F7		64	19'-0"	"
F8		64	22'-0"	"
C1	#4	20	24'-2"	Curb & Rail Curb (Slab)
C2	#4	20	23'-8"	" "
C3	#4	90	22'-8"	" "
AS1	#6	176	14'-8"	Approach Slab
AS2	#4	40	21'-10"	" "

BENT BARS

MARK	SIZE	NO.	LENGTH	LOCATION
F1	#5	365	29'-6"	Slab
S1	#4	420	6'-11"	Slab, Curb & Rail curb
A15	#4	12	6'-1"	End Posts (Abutments)
A16	#4	40	4'-5"	Rail Curbs "
A17	#4	40	3'-0"	Curbs "
A18	#6	22	2'-5"	Abutments
P1	#4	16	7'-4"	Pier Cap
P2			7'-10"	" "
P3			8'-4"	" "
P4			8'-10"	" "
P5			9'-5"	" "
P6			9'-11"	" "
P7			10'-5"	" "
P9	#4	120	10'-11"	" "
P10	#4	243	8'-6"	" Columns
P11	#7	128	9'-3	" Footings
P12	#6	16	29'-1"	" Caps

MARK	SIZE	NO.	LENGTH	LOCATION
A1	#4	24	2'-5"	Abutment-End Post
A2	#4	16	9'-5"	" Rail Curb & Curb
A3	#5	88	9'-6"	" Wings Horiz.
A4	#5	40	10'-2	" " Vert.
A5	#5	40	10'-5	" " "
A6	#6	12	3'-2"	" " @ Piles
A7	#6	18	28'-8"	" " bridge seat
A8	#4	12	28'-8"	" " backwall
A9	#6	12	28'-8"	" " @ piles
A10	#6	40	6'-5"	" " "
A11	#6	32	10'-0"	" " backwall
A12	#5	32	5'-9"	" " "
A13	#5	30	4'-3"	" bridge seat
A14	#6	16	12'-3"	" @ piles
P8	#6	16	28'-3"	Pier Cap
P13	#9	16	28'-3"	" "
P14	#9	24	8'-0"	" "
P15	#6	16	20'-9"	" "
P16	#8	96	24'-7"	" #1 #3 Columns
P17	#8	48	23'-8"	" #2 "
P18	#8	48	18'-9"	" #4 "
P19	#8	192	5'-0"	" Footings
P20	#7	64	23'-6"	" "
P21	#4	64	7'-6"	" "

DESIGN - DRESSELLY DET. F.SMITH
TRACE - M.W.M.
CHECK - MCR, F.Smith
BRIDGE NO.
SURVEY -
PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

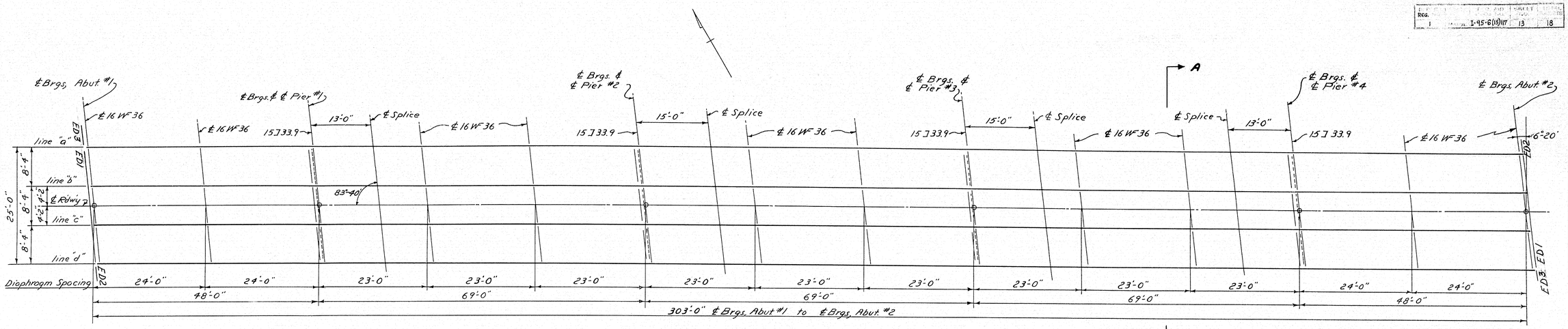
PIERS & REINF. STEEL

SHEET 12 OF 18 AUGUSTA, MAINE APRIL 1958

74-165

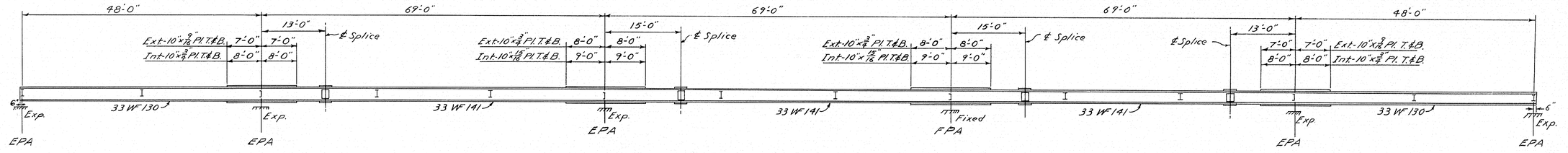
0 1 2 3 4 5 INCHES

REG.				
1	I-95-6(15)117	13	18	



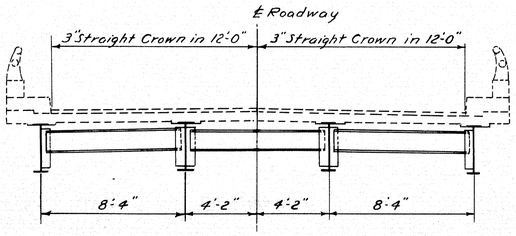
ERECTION DIAGRAM - PLAN

Provide holes for anchor bolts, AB-1, before erecting diaphragms at Piers and Abutments.



ERECTION DIAGRAM - ELEVATION

All Beams.
All dimensions horizontal.



SECTION A-A

SPECIFICATIONS

Design and Detail: A.A.S.H.O. 1953.
Fabrication and Erection: State of Maine, State Highway Commission Standard Specifications, Highways and Bridges Revision of January 1956.
Loading H20-44.
Field Connections unless otherwise indicated: 15/16 holes, 7/8 Rivets or high tensile strength bolts.
Girders and Cover Plates to be: structural weldable steel A.S.T.M. designation A 373.

Note:
See sheet 17 for details of W.I. Pipe drains which are to be furnished and erected as Structural Steel.

DESIGN-REDMAN TRACE-V.SMITH CHECK-MCR	BRIDGE NO.

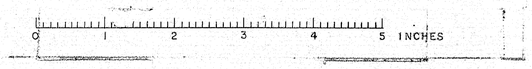
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN
SIDNEY
KENNEBEC COUNTY

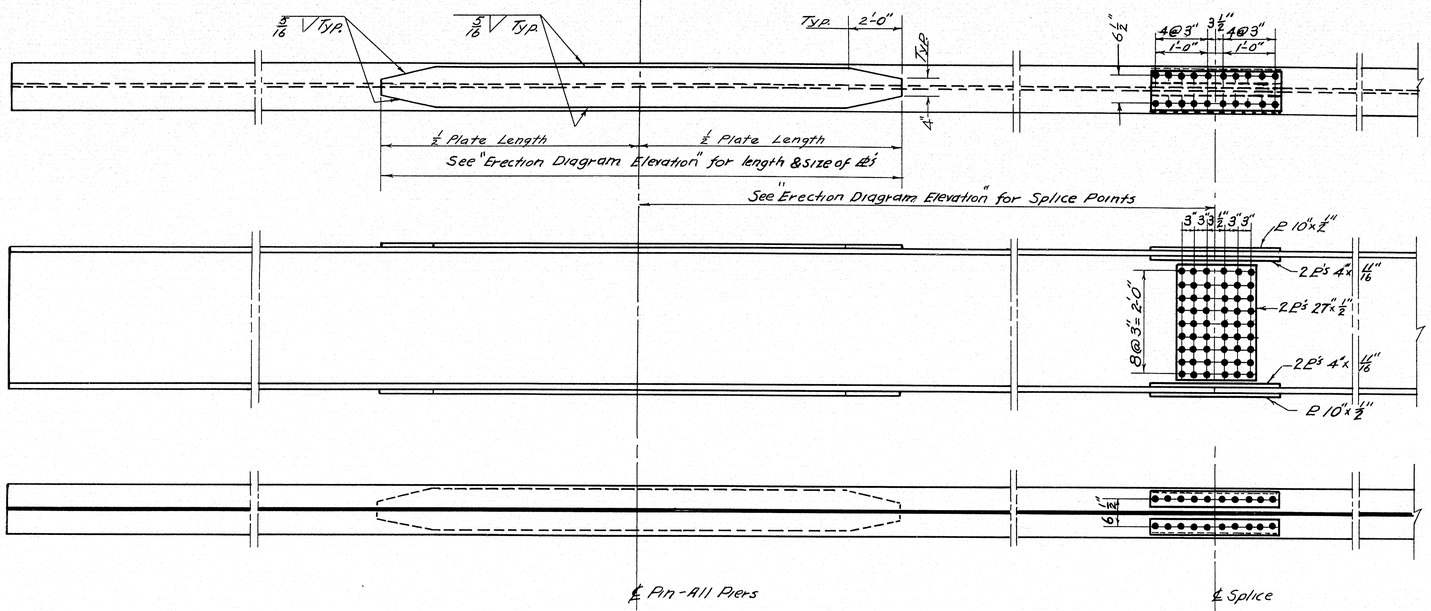
ERECTION DIAGRAM

SHEET 13 OF 18 AUGUSTA, MAINE MARCH, 1958

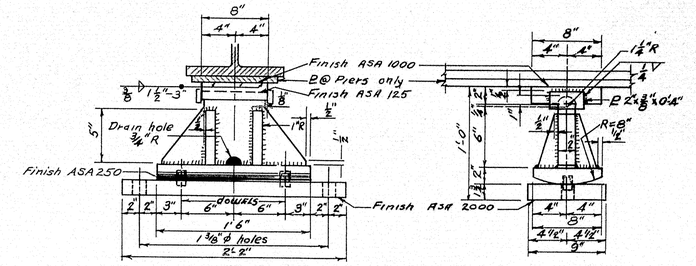
74-166



B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	14	18

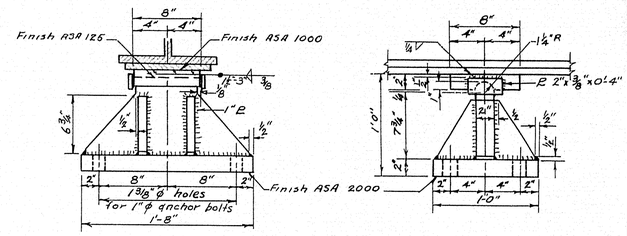


BEAM DETAIL



EXPANSION PEDESTAL - EPA

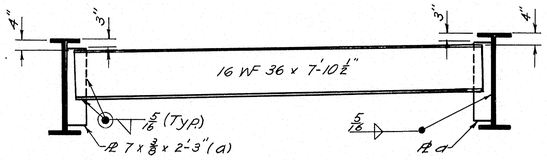
20 Required : Abutments, ℄ Pier Nos. 1, 2, ℄ 4



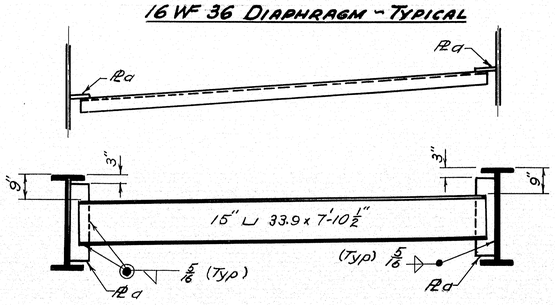
FIXED PEDESTAL - FPA

4 required : Pier No. 3

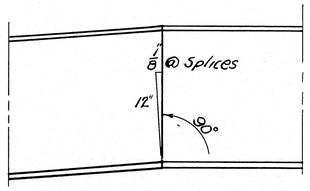
Note : All shop welds ⅜" fillet, unless otherwise noted



16 WF 36 DIAPHRAGM - TYPICAL

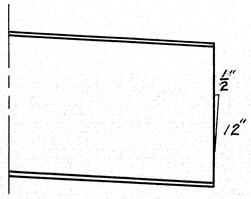


15 ⊔ 33.9 DIAPHRAGM - TYPICAL (At Piers Only)

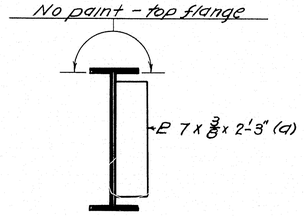


END OF STRINGERS @ SPLICE

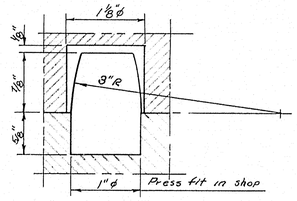
(All bevels at splicepoints to be made at Easterly end of stringers.)



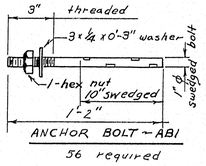
DETAIL - END CUT OF BEAMS - AT ABUT. #2 ONLY



DIAPHRAGM PL & PAINT DETAIL



DOWEL DETAIL



ANCHOR BOLT - ABI

56 required

DESIGN - REDMAN DET. W.H.Y.
TRACE - HRE
CHECK - HRE
BRIDGE NO.
SURVEY -
PLOT -

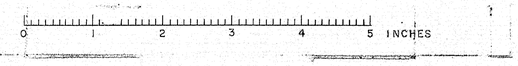
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

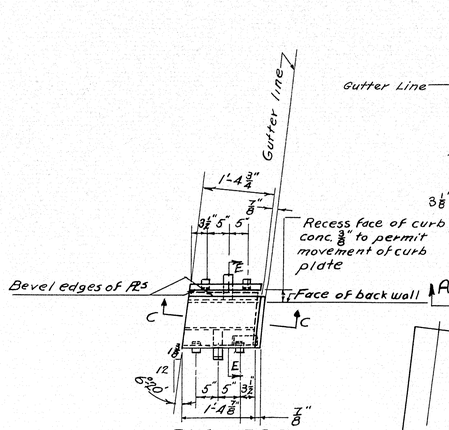
STRUCTURAL STEEL

SHEET 14 OF 18 AUGUSTA, MAINE APRIL, 1958

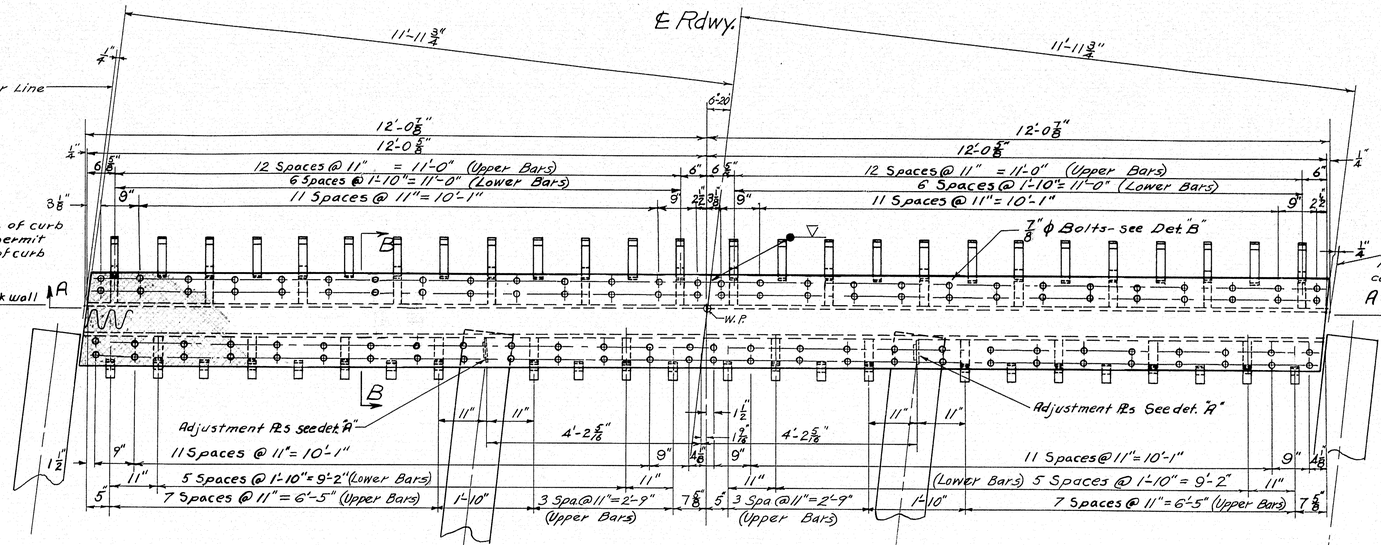
74-167



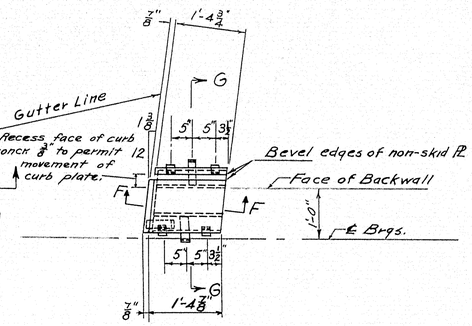
B. P. R. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	15	18



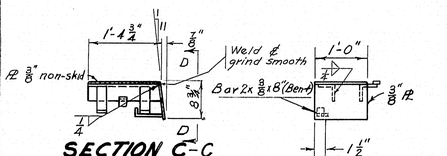
PLAN-ED2
2 REQ.



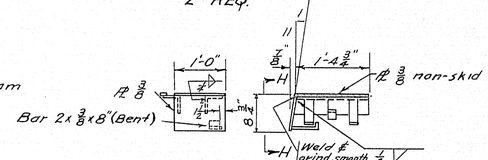
PLAN-ED1
2 REQ.



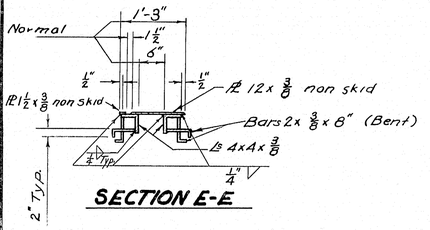
PLAN-ED3
2 REQ.



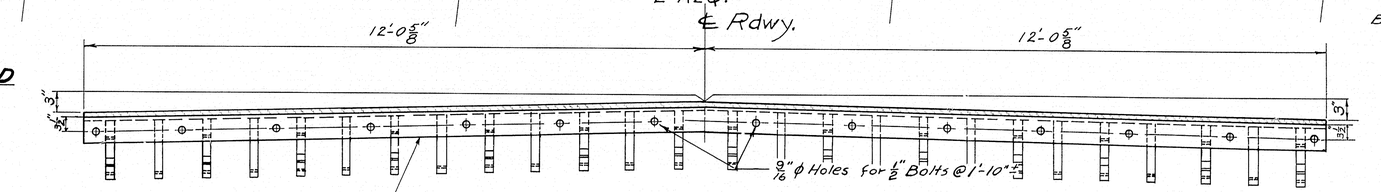
SECTION C-C **ELEVATION D-D**



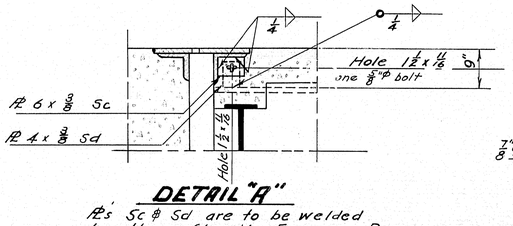
ELEVATION H-H **SECTION F-F**



SECTION E-E

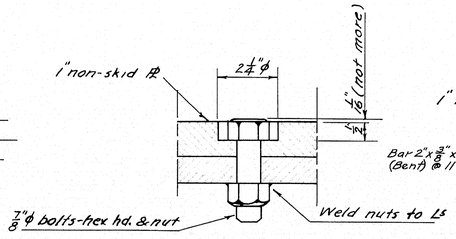


SECTION A-A

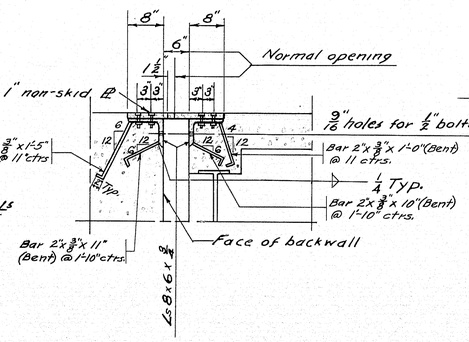


DETAIL "A"

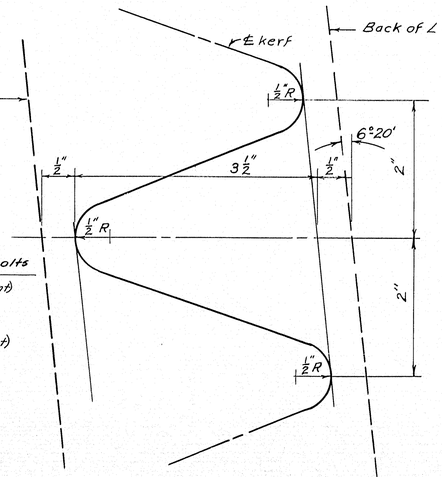
Pl's Sc & Sd are to be welded together after the Expansion Dams have been set.



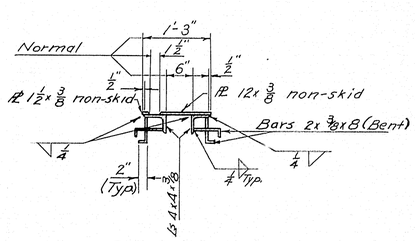
DETAIL "B"



SECTION B-B



TOOTH DETAIL
Scale - full size



SECTION G-G

NOTE: Do not paint surfaces in contact with concrete.

DESIGN - REDMAN DET. A.H.R.	BRIDGE NO.
TRACE - H.N.F	SURVEY -
CHECK - R.D.	PLOT -

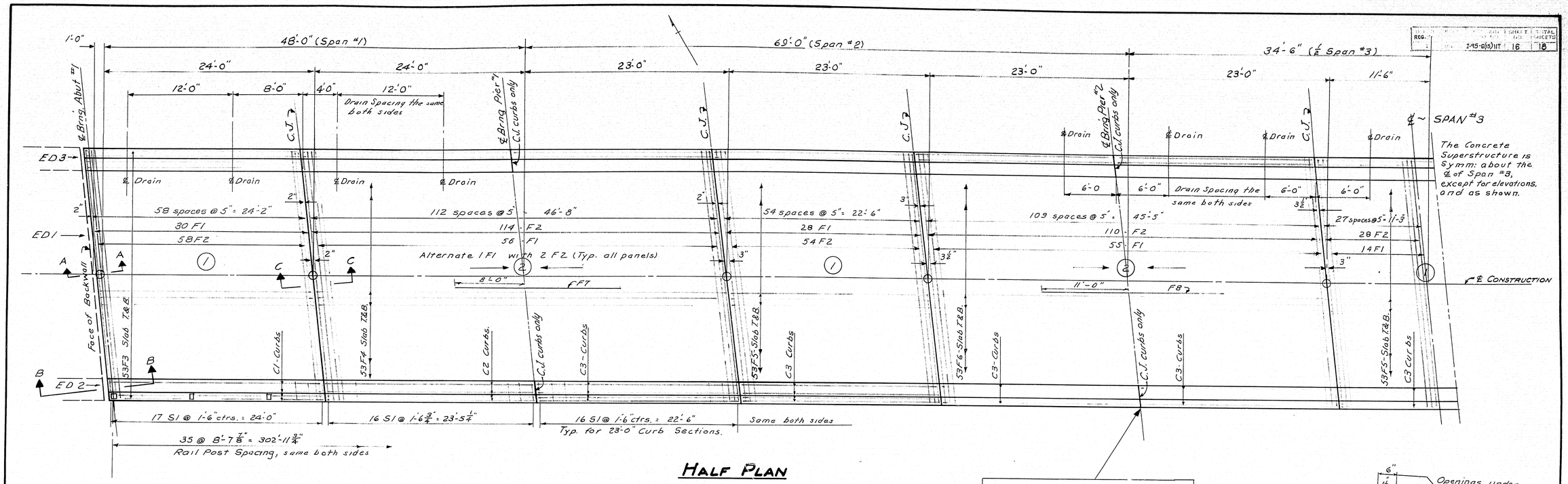
STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY
STRUCTURAL STEEL

SHEET 15 OF 18 AUGUSTA, MAINE APRIL, 1958

74 - 168

0 1 2 3 4 5 INCHES

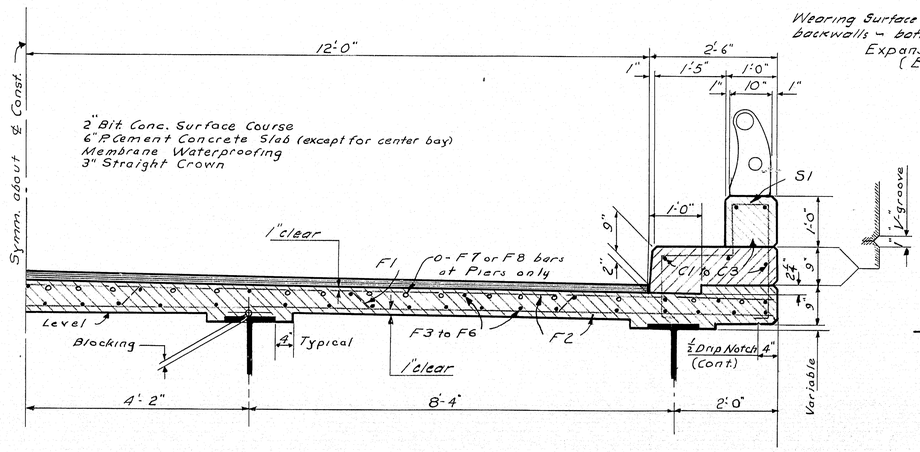


HALF PLAN

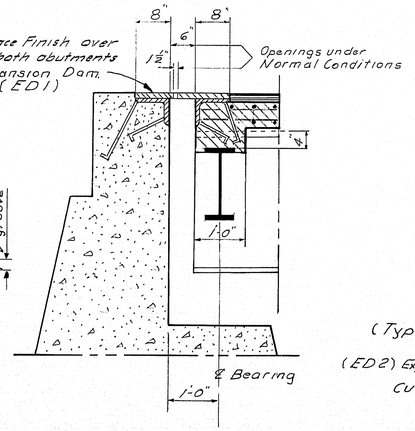
The Concrete Superstructure is Symm. about the ℄ of Span #3, except for elevations, and as shown.

Break bond at the Construction Joints in the curbs and rail curbs by painting the concrete with a suitable grade of asphalt.
Form ½" "V" grooves in the interior and exterior faces of the curb and rail curb, and across the top of the rail curb at const. joints.

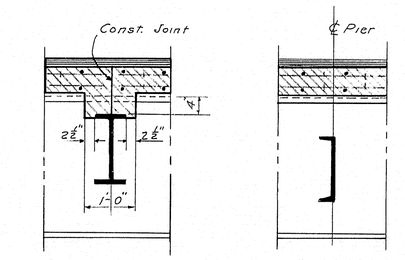
ORDER OF PLACING ROADWAY PANELS
Panels marked ① shall be placed before panels marked ②.
Concrete for panels ② shall be placed from Const. Joints inward → ② ←
Panels of same number may be placed in any order.



HALF TRANSVERSE SECTION

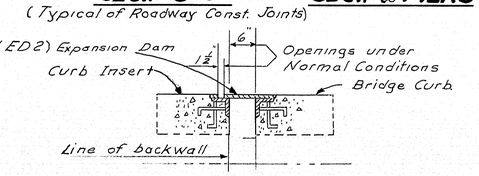


SECT. A-A

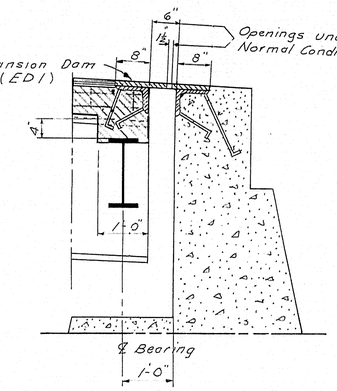


SECT. C-C
(Typical of Roadway Const. Joints)

SECT. @ PIERS



PART SECT. B-B



NORMAL SECT.-ABUT. #2

~DESIGN~
Loading H20-44
f_s = 12,000 p.s.i.
f_c = 1,200 p.s.i.
n = 10

DESIGN- W. H. V.
TRACE- G. ALLEN
CHECK- N. Voss, F. Smith

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

TOWN FARM ROAD BRIDGE OVER INTERSTATE HIGHWAY IN THE TOWN OF SIDNEY KENNEBEC COUNTY

SUPERSTRUCTURE SLAB

SHEET 16 OF 18 AUGUSTA, MAINE MARCH, 1958

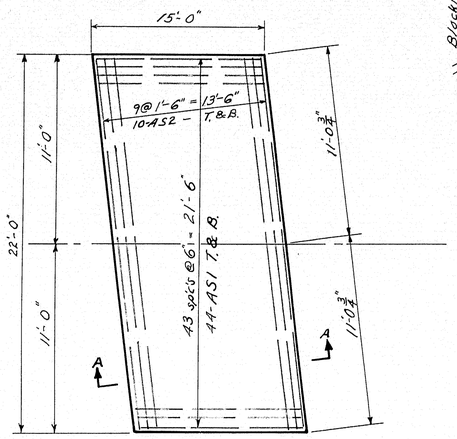
74-169

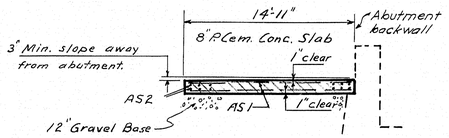
REG. | SHEET NO. | TOTAL SHEETS
I-95-2(15)117 | 16 | 18

0 1 2 3 4 5 INCHES

B P R REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-8(15)117	17	18

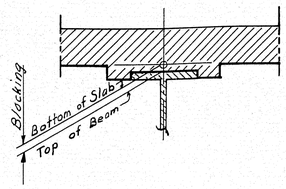
Note:-
Concrete in approach slabs shall be paid for under Item 701-40 Portland Cement Concrete in Roadway and Sidewalk Slabs on Steel Bridges.





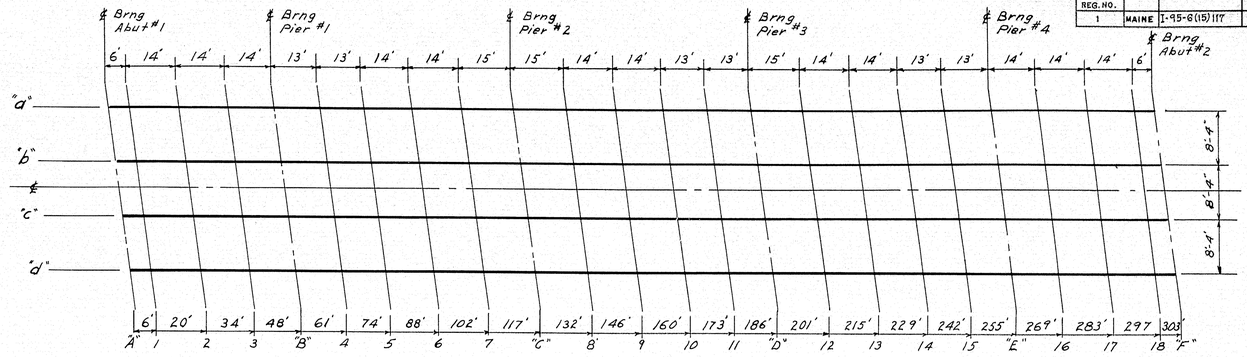
SECT A-A

APPROACH SLAB
(Abut. #1 shown - Abut #2 similar)



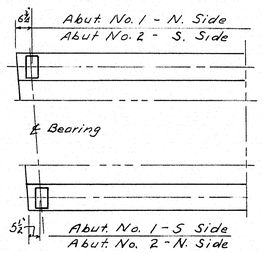
BLOCKING
1" @ ℄ Bearings - Abutments only.

ELEVATIONS BOTTOM OF SLAB				
Point	Line "a"	Line "b"	Line "c"	Line "d"
"A"	196.98	197.16	197.16	196.99
1	197.00	197.18	197.18	197.01
2	197.03	197.21	197.21	197.03
3	197.01	197.18	197.18	197.00
"B"	196.95	197.12	197.12	196.94
4	196.90	197.07	197.06	196.88
5	196.82	196.98	196.97	196.79
6	196.67	196.84	196.82	196.64
7	196.47	196.63	196.62	196.43
"C"	196.22	196.38	196.36	196.18
8	195.97	196.13	196.11	195.92
9	195.70	195.86	195.84	195.64
10	195.38	195.53	195.51	195.32
11	195.04	195.19	195.16	194.97
"D"	194.67	194.82	194.79	194.59
12	194.25	194.39	194.36	194.16
13	193.82	193.96	193.93	193.73
14	193.33	193.47	193.44	193.23
15	192.83	192.97	192.93	192.72
"E"	192.30	192.44	192.40	192.19
16	191.73	191.86	191.82	191.61
17	191.12	191.25	191.21	191.00
18	190.46	190.59	190.55	190.33
"F"	190.17	190.30	190.25	190.03

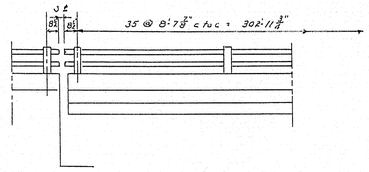


PLAN - BLOCKING POINTS

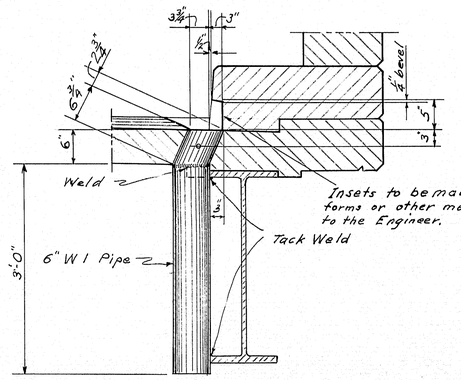
Note:-
In order to compensate for Dead Load Deflection, as well as inequalities in rolling the beams, the following proceedure shall be used: before any slab forms are constructed, the Engineer shall take elevations along the top of the stringer flange at the points indicated; these elevations subtracted from "Elevations - Bottom of Slab" will supply the proper blocking for floor slab forms.

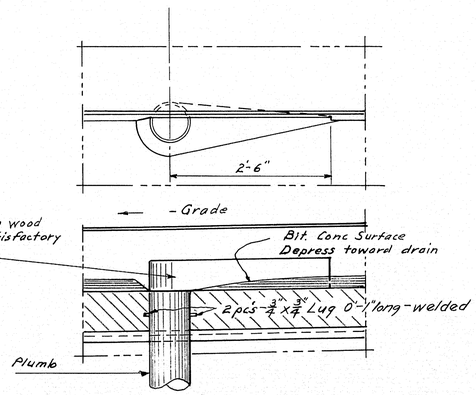


PART PLAN
(End Rail Post Position)



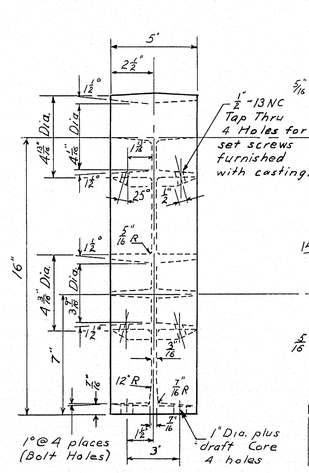
ELEVATION
Rail Bar Projection Abut. #1 & #2



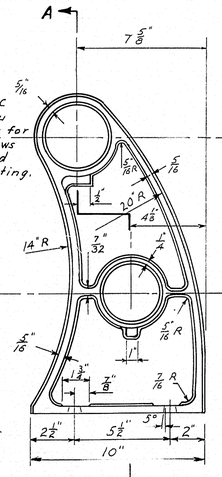


DRAIN DETAILS
(32 Drains Req'd.)

Note:- Furnishing and Erection of 6" Wrought Iron Pipe Drains to be paid for as Structural Steel under Items 702-103 & 702-104. Adjust reinforcing steel to clear Drains. For Drain locations see Sh. 16.

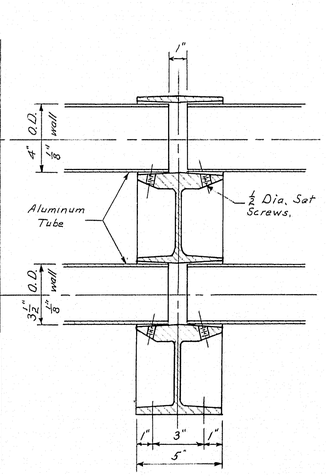


REAR ELEVATION



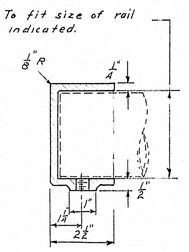
END ELEVATION

POST DETAIL



SECTION A-A

Note:-
Provide 4 aluminun anchor bolts, ⅜" Ø x 12" and hex nut, with each rail post.



½" - 13 N C tap through for one set screw furnished with casting

RAIL CAP DETAIL

ALUMINUM RAIL DETAILS
Rail posts are to be set normal to the rail curbs.

DESIGN - W.H.Y.
TRACE - LIBBY
CHECK - A.H.R. & M.G.R.

BRIDGE NO.
SURVEY -
PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

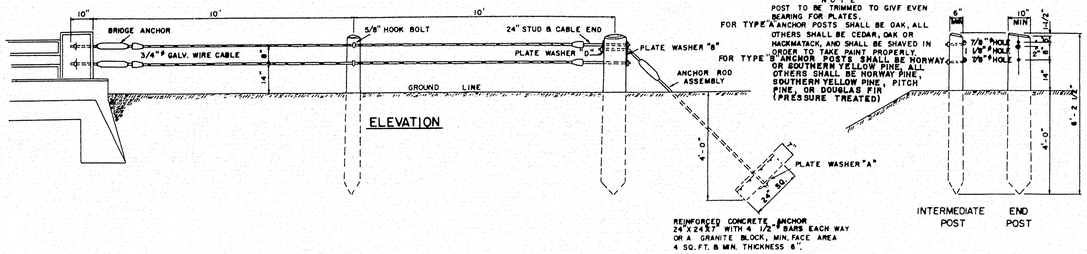
TOWN FARM ROAD BRIDGE
OVER
INTERSTATE HIGHWAY
IN THE TOWN OF
SIDNEY
KENNEBEC COUNTY

SUPERSTRUCTURE DETAILS
RAIL DETAILS & APPROACH SLAB
SHEET 17 OF 18 AUGUSTA, MAINE MARCH, 1958

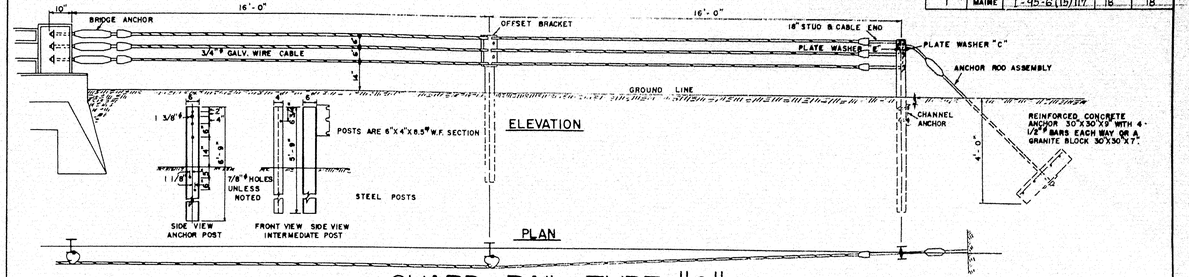
74-170

0 1 2 3 4 5 INCHES

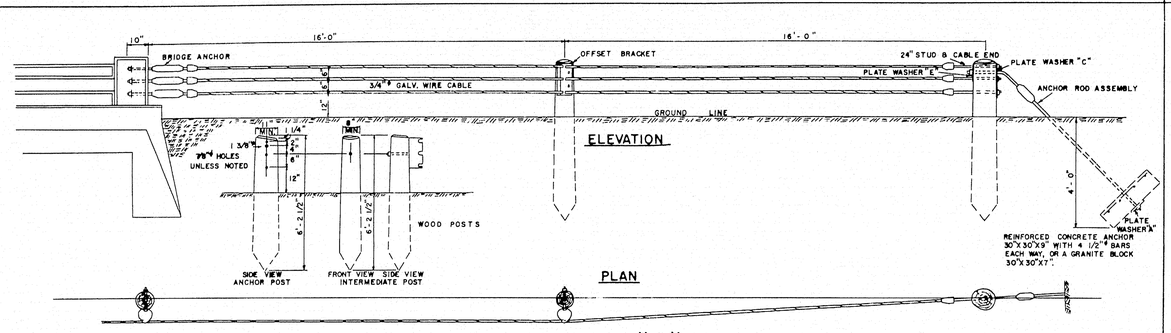
B.P.R. REG.NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	I-95-6(15)117	16	18



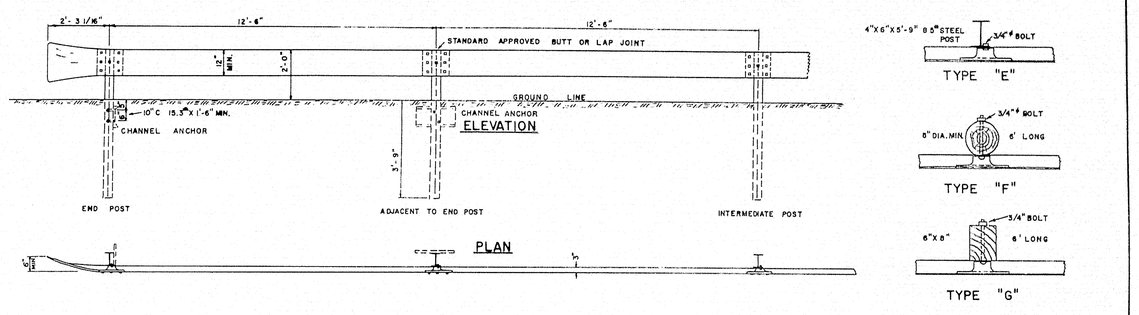
GUARD RAIL TYPE "A" & "B"



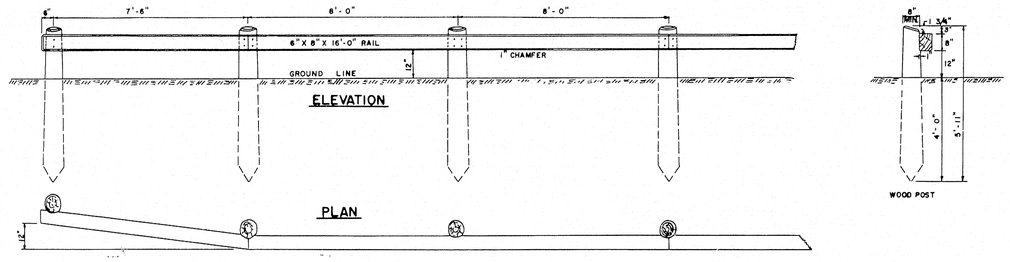
GUARD RAIL TYPE "C"



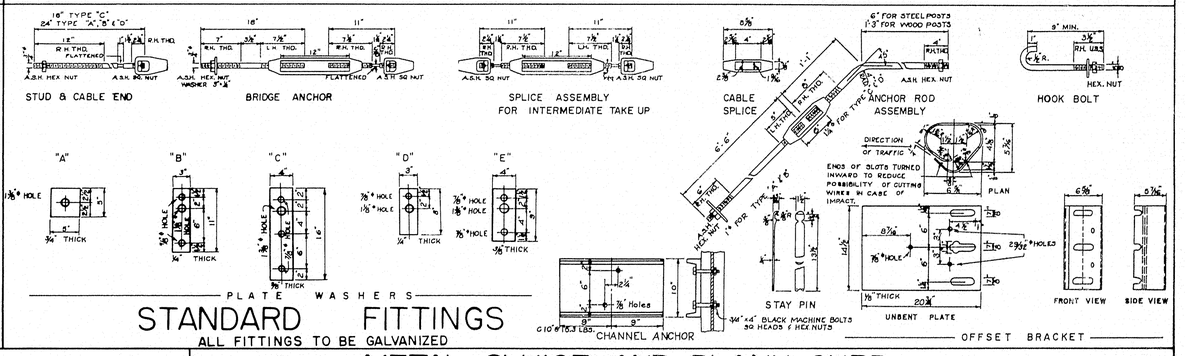
GUARD RAIL TYPE "D"



GUARD RAIL TYPE "E", "F" & "G"

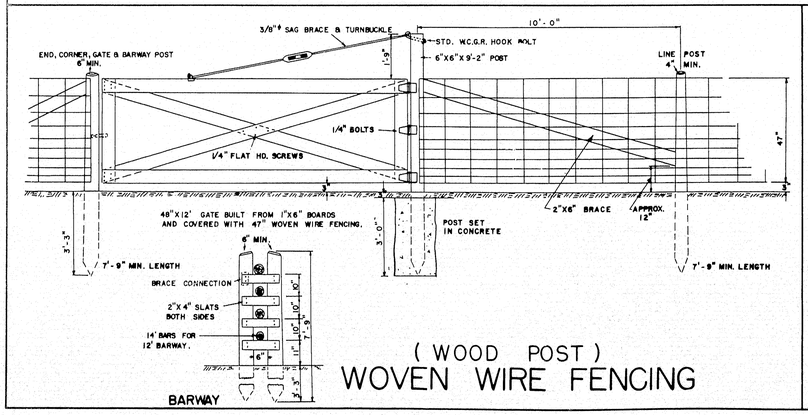


GUARD RAIL TYPE "H"

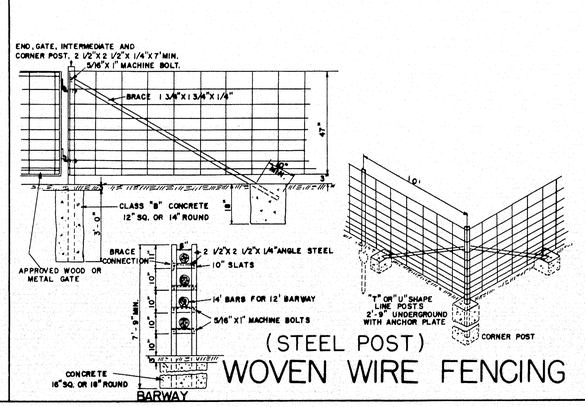


STANDARD FITTINGS

ALL FITTINGS TO BE GALVANIZED

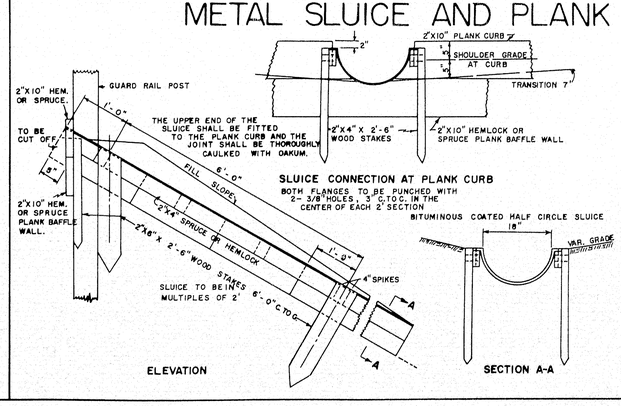


(WOOD POST)
WOVEN WIRE FENCING



(STEEL POST)
WOVEN WIRE FENCING

METAL SLUICE AND PLANK CURB



MAINE STATE HIGHWAY COMMISSION
AUGUSTA, MAINE

STANDARD DETAILS

GUARD RAIL & FITTINGS
WIRE FENCING, METAL SLUICE AND PLANK CURB

(2)

74-171

0 1 2 3 4 5 INCHES