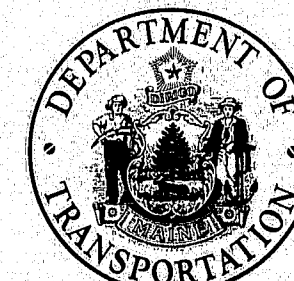


STATE OF MAINE DEPARTMENT OF TRANSPORTATION



BUREAU OF HIGHWAYS MARSH BRIDGE OVER MARSH STREAM IN THE TOWN OF PROSPECT WALDO COUNTY STATE ROUTE NO. 174 PROJECT NO. 74215041 PROJECT LENGTH 0.189 MILES

F.H.W.A. PROJECT NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	1	27

CONVENTIONAL SIGNS

COUNTY LINES	---	TRAVELLED WAY - PROPOSED	=====
TOWN LINES	----	UNDERGROUND UTILITIES - EXISTING	----
PROPERTY LINES	-----	UNDERGROUND UTILITIES - PROPOSED	-----
R/W LINES - EXISTING	=====	RAILROAD - SINGLE TRACK	=====
R/W LINES - NEW - ACCESS CONTROL	=====	RAILROAD - DOUBLE TRACK	=====
R/W LINES - NEW - NO ACCESS CONTROL	=====	UTILITY POLE - EXISTING	=====
CULVERT - EXISTING	=====	UTILITY POLE - JOINT OCCUPANCY	=====
CULVERT - PROPOSED	=====	PROPOSED UTILITY POLE - TEMPORARY	=====
CURBING - EXISTING	=====	PROPOSED UTILITY POLE - PERMANENT	=====
CURBING - PROPOSED	=====	TREES	=====
TRAVELLED WAY - EXISTING	=====	WOODS	=====

SPECIFICATIONS

DESIGN-A.A.S.H.T.O. Standard Specifications for Highway Bridges 1973. With
Interim Specifications 1974, 1975, 1976, 1977.

CONTRACT- State of Maine, State Highway Commission Standard Specifications
Highways and Bridges, Revisions of June 1968.

DESIGN LOADING

LIVE LOADING-----HS20-44

MATERIALS

CONCRETE-----Concrete For Pile Fill-Class "Y"
Superstructure Concrete, Curb and End Posts-Class "AA"
All Other Concrete Shall Be Class "A"

REINFORCING STEEL-----A.S.T.M. A615 Grade 60
STRUCTURAL STEEL-----W27x146, A.S.T.M. A572 GRADE 50
7/8" DIAMETER HIGH STRENGTH BOLTS-----A.S.T.M. 325

PILES-----A.S.T.M. A252
ALL OTHER STRUCTURAL STEEL-----A.S.T.M. A36

BASIC ALLOWABLE STRESS

CONCRETE-----fc=1200 psi n=10
REINFORCING STEEL-----fs=24,000 psi
STRUCTURAL STEEL-----A.S.T.M. A325 fv=13,500 psi
A.S.T.M. A36 fs=20,000 psi
A.S.T.M. A572, GRADE 50 fs=27,000 psi

TRAFFIC DATA

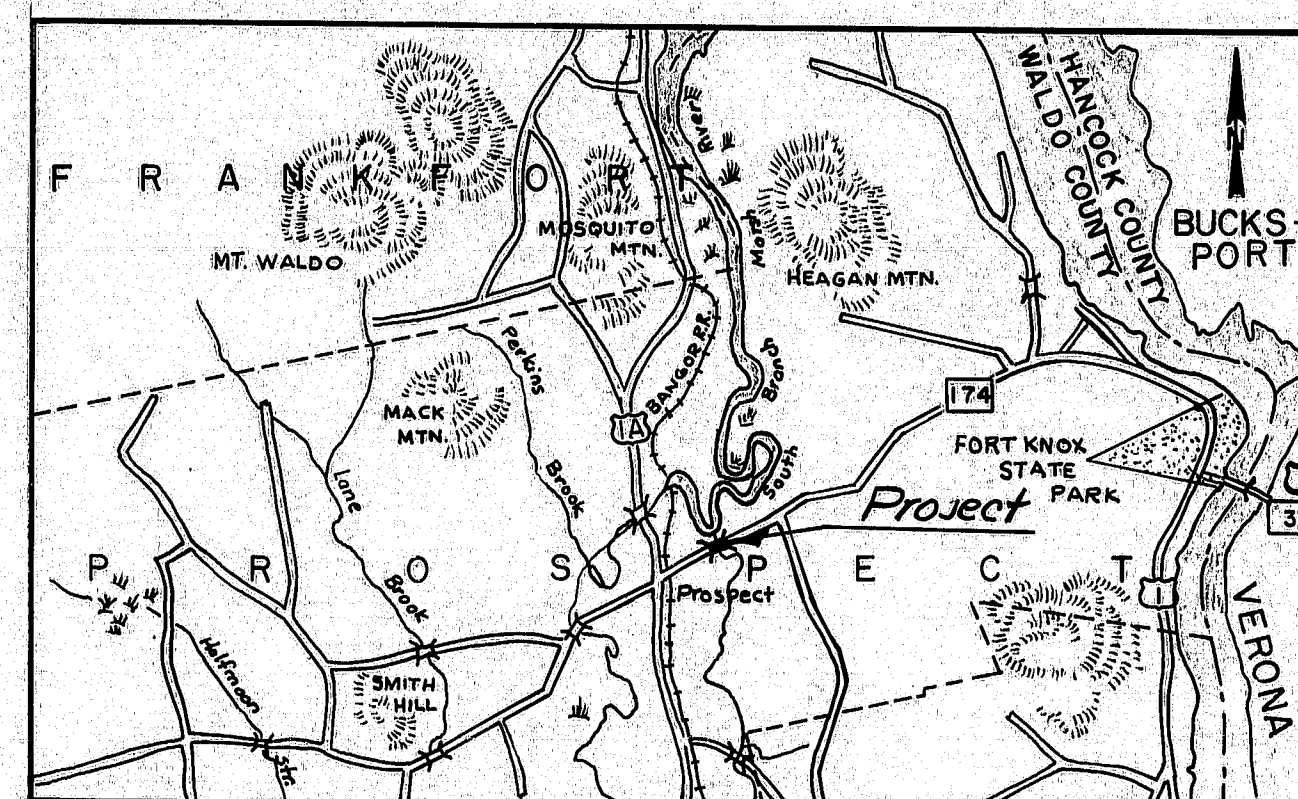
A.D.T. 1978 = 750
A.D.T. 1998 = 1125
D.H.V. = 135
T(%) D.H.V. = 5
D(%) = 60
V = 45 mph
18 kip Equiv. P20 19

HYDROLOGY DATA

DRAINAGE AREA=3.8 Sq Miles
Q50=800 cfs PLUS TIDAL FLOW
MEAN HIGH TIDE = +5.5
MEAN TIDE LEVEL = 0.0
MEAN LOW TIDE = -5.5
EXTREME LOW WATER = -9.0
EXTREME HIGH TIDE = +15.0

COAST GUARD PERMIT NO. 108-78
(Permit includes Construction of Special Detour)

ALL WORK CONTEMPLATED UNDER THIS CONTRACT SHALL BE GOVERNED
BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (REVISION
OF JUNE 1968) AND SUPPLEMENTS THERTO, EXCEPT AS MODIFIED ON THE
PLANS AND IN THE SPECIAL PROVISIONS.



LOCATION MAP



INDEX OF SHEETS

1	TITLE SHEET
2	ESTIMATED QUANTITIES
3-4	SURVEY PLAN AND PROFILE
5	FOUNDATION SURVEY
6	BORING DETAILS
7-9	CROSS SECTIONS
10	FOOTING AND PILE PLAN
11	ABUTMENTS 1 & 2
12	WING DETAILS
13	FRAMING PLAN
14	BOTTOM OF SLAB ELEVATIONS
15	SUPERSTRUCTURE
16	REINFORCING STEEL SCHEDULE
17-18	RIGHT OF WAY PLANS
19	SPECIAL DETOUR

BRIDGE STANDARDS

20	BD 101-74	BEARING PEDESTALS	APRIL 1974 - REV'D. 3-1-77
21	BD 104-77	SHEAR CONNECTORS	FEB. 1977 - REV'D. 3-1-77
22	BD 113-78	DIAPHRAGMS & CROSSFRAMES	JUNE 1978
23	BD 114-77	ALUMINUM BRIDGE RAILING	2BAR DEC. 1977

HIGHWAY STANDARDS

24	AUG. 1969	(5)	TEMPORARY EROSION CONTROL	REV'D 10-14-75
25	AUG. 1969	(6)	GUARD RAIL	REV'D. 10-14-75
26	AUG. 1969	(11)	BARRICADES, WARNING SIGNS, MONUMENTS, PROJECT MARKERS	REV'D. 3-25-76
27	AUG. 1969	(12)	FIELD OFFICE	REV'D 3-16-73

APPROVED:

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
COMMISSIONER

DATE

JULY 16, 1976

CHIEF ENGINEER AND BUREAU DIRECTOR

JULY 16, 1976

As Built

UNITED STATES
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 1

APPROVED:

DIVISION ENGINEER DATE

173-24

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
202.10	Removal of Existing Superstructure (Property of Contractor)	NEC.	L.S.
203.20	Common Excavation	1500	C.Y.
203.26	Gravel Borrow	8400	C.Y.
204.08	5th Earth Course - Abut. & Ret. Walls	840	C.Y.
304.10	Aggregate Subbase Course - Gravel	2800	C.Y.
403.07	Hot Bit Pavement Grading B	420	Ton
403.08	Hot Bit Pavement Grading C	180	Ton
410.161	Cover Coat Material, Sand (Leveling)	40	C.Y.
501.24	Steel Pipe Piles	1440	L.F.
502.21	Structural Concrete Abut. & Retaining Walls	746	C.Y.
503.26	Structural Concrete, Roadway, Sidewalk Slab-on-Steel Bridges	NEC	L.S.
502.31	Structural Concrete, Approach Slabs	NEC	L.S.
503.12	Reinforcing steel, Job & Delivered	25,500	Lb.
503.13	Reinforcing Steel, Piling	25,500	Lb.
504.10	Structural Steel, Job & Delivered	NEC	L.S.
507.71	Structural Steel Erection	NEC	L.S.
505.08	Shear Connectors	NEC	L.S.
506.14	Field Painting, Structural Steel	NEC	L.S.
507.181	Aluminum Bridge Railings, Type "A"	120	L.F.
510.10	Special Detour, 22 Ft. Roadway With Veh. & Ped. Traffic Not Opened	NEC	L.S.
512.27	French Drains (Stone only)	10	C.Y.
514.06	Curing Box for Concrete Cylinders	1	Each
515.20	Protective Coating for Concrete Surface	330	S.Y.
606.26	Terminal Ends - Single Rail	4	Each
606.33	Guard Rail Delineator Posts	4	Each
606.53	Guard Rail Type 3 - Single Rail	200	L.F.
606.60	Guard Rail Type 3 - Circular - Greater than 15 foot Radius	50	L.F.
610.05	Plain Riprap	450	C.Y.
615.07	Loam	270	C.Y.
616.08	Sodding	480	S.Y.
618.18	Seeding, Method Number 2	43	Unit
618.15	Temporary Seeding	30	Lb.
619.12	Mulch	60	Unit
623.27	Survey Monuments	4	Each
629.05	Labor - Straight Time	20	M. Hr.
	Traffic Officers	40	M. Hr.
631.10	Air Compressor (Inc. operator)	10	Hour
631.11	Air Tool (Inc. op.)	10	Hour
631.12	All Purpose Excavator (including op.)	10	Hour
631.13	Bulldozer (Inc. op.)	10	Hour
631.14	Grader (Inc. op.)	10	Hour
631.171	Truck - Small (Inc. op.)	20	Hour
631.22	Front End Loader (Inc. op.)	20	Hour
632.08	Warning Lights	2	Grp.
632.09	Portable Barricade	2	Each
637.07	Sprinkling	30	M.G.
637.08	Berkeium Chloride	4	Ton
639.09	Field Office Type B	1	Each
656.50	Boled Hay, in Place	100	Each
656.51	Sandbags, 10 Pcs.	70	Each
659.201	Food and Application, Method A	17	Unit
659.10	Mobilization	NEC	L.S.

"As Built" *RRD*
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

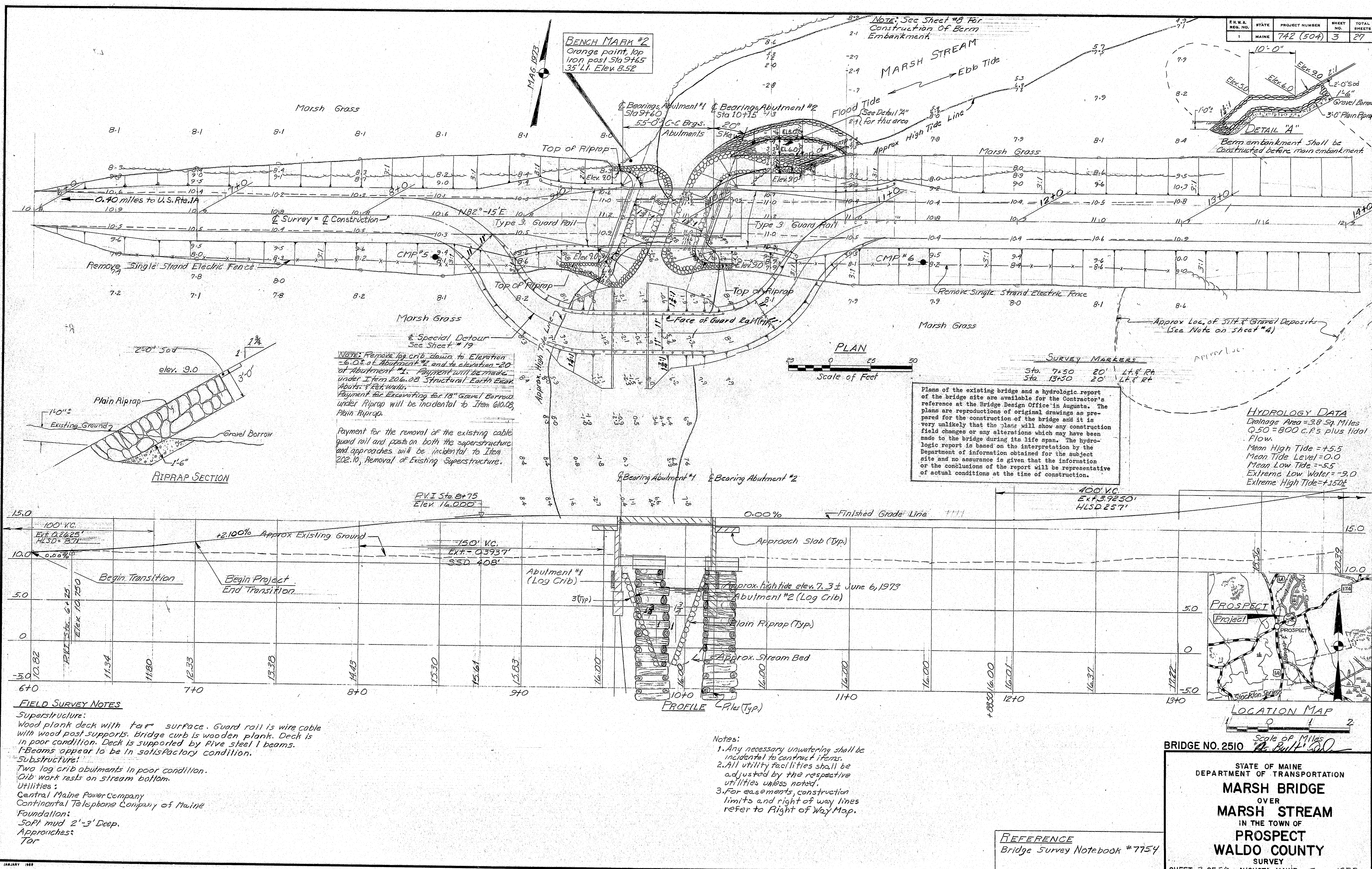
MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY

ESTIMATED QUANTITIES

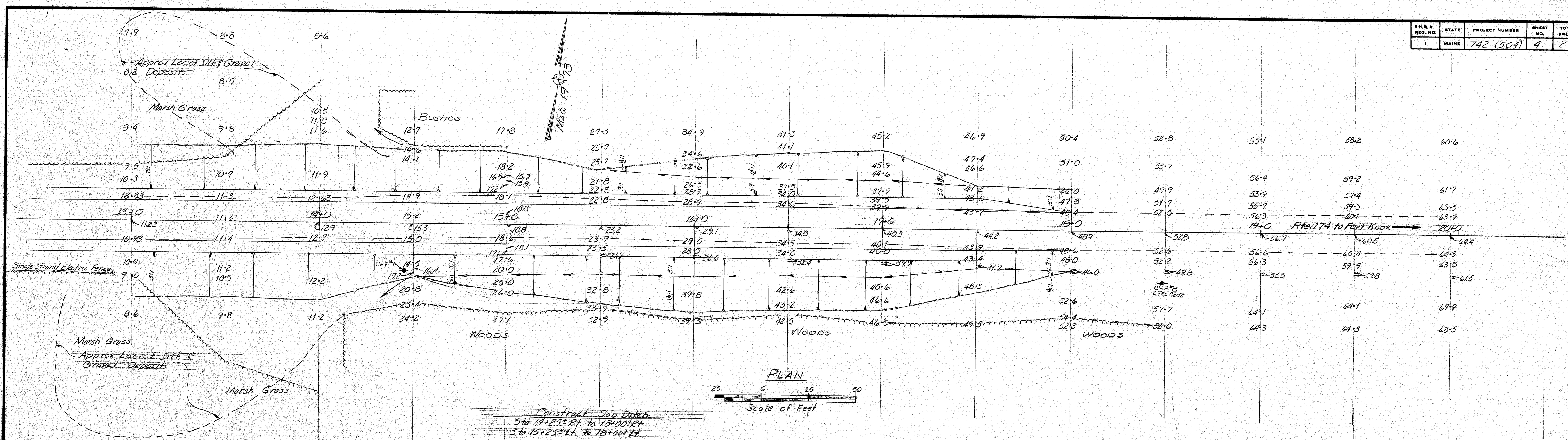
SHEET 2 OF 27 AUGUSTA, MAINE *Sept. 1978*

173-25

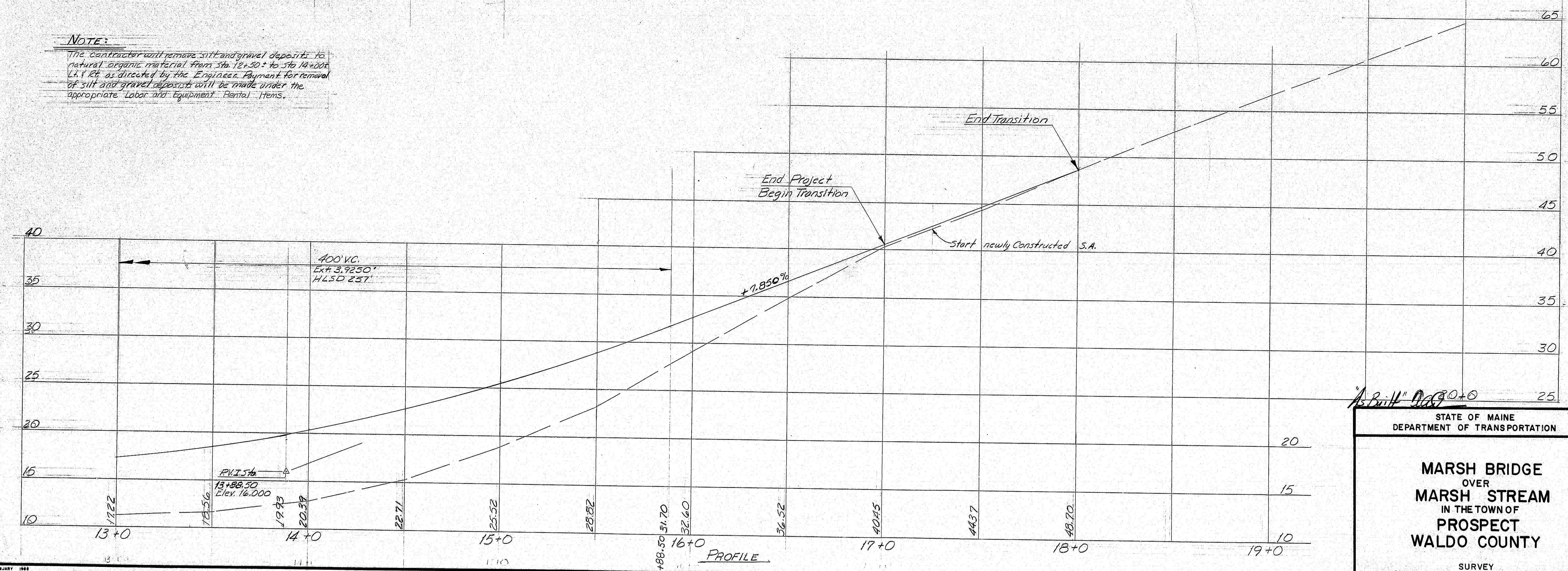
F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742 (504)	3	27



F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742 (504)	4	27



NOTE:
The contractor will remove silt and gravel deposits to natural organic material from Sta 13+20 to Sta 14+20. Silt & Gravel as directed by the Engineer. Payment for removal of silt and gravel deposits will be made under the appropriate Labor and Equipment Rental Items.



Plotted by *Ray 3-5-76*

PROJECT DESIGN ENGINEER	DATE
DESIGN - DETAILED	2/1/76
CHECKED	2/1/76
REVISIONS	
FIELD CHANGES	

As Built **20+0**

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

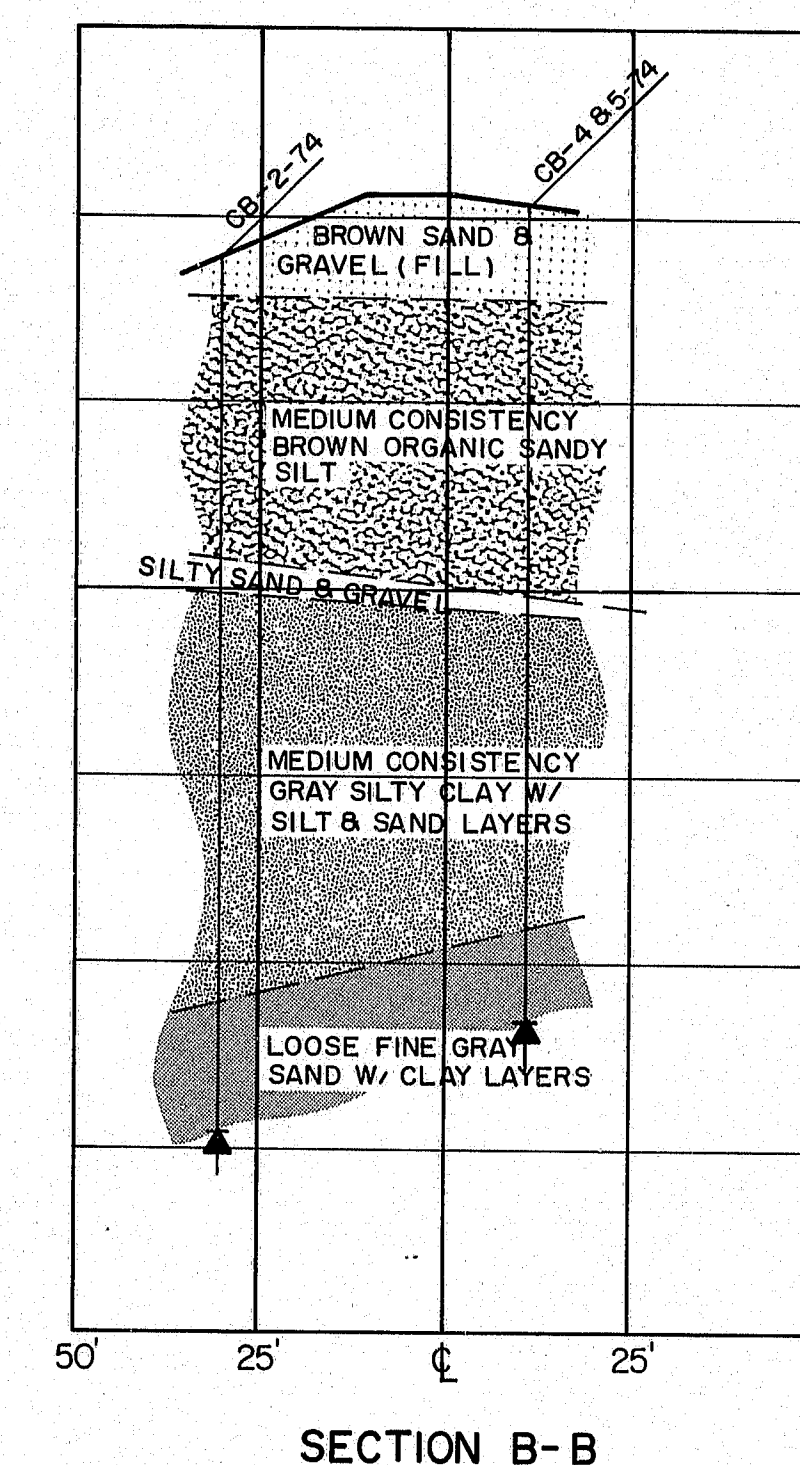
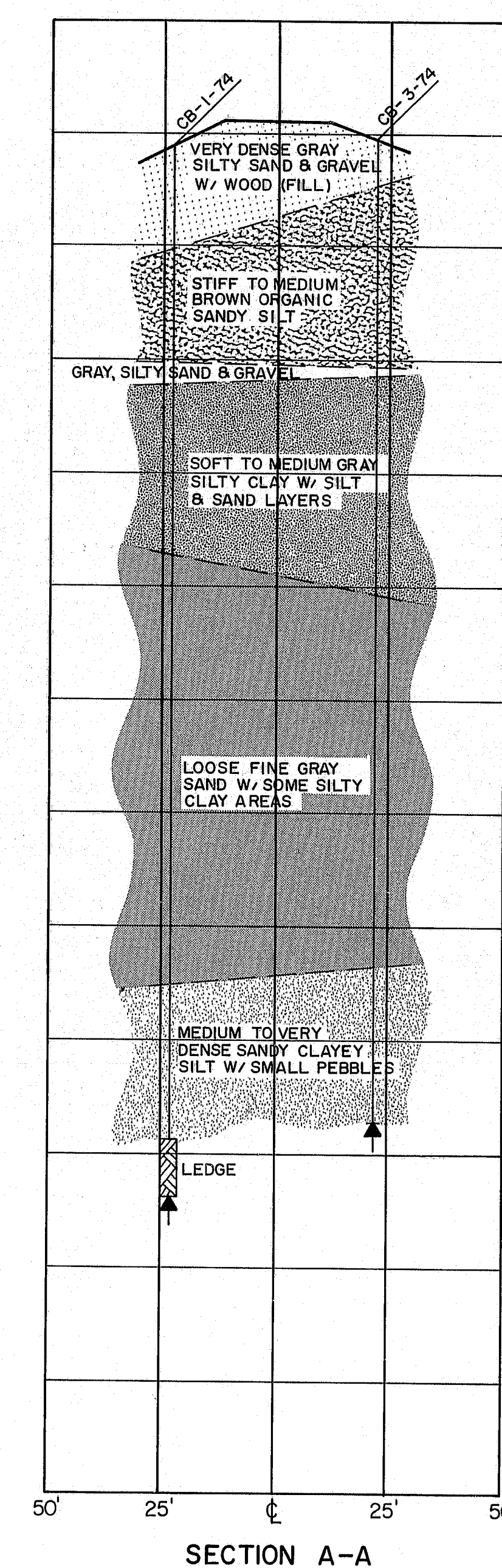
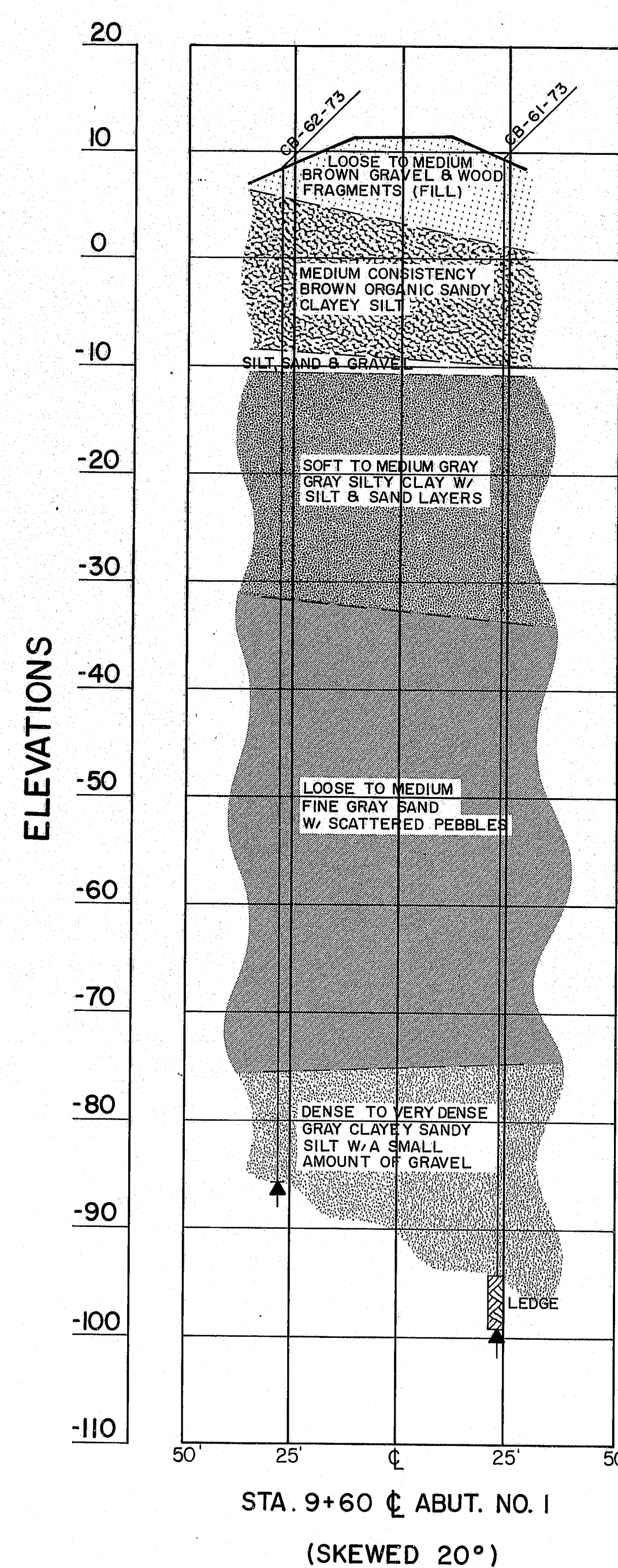
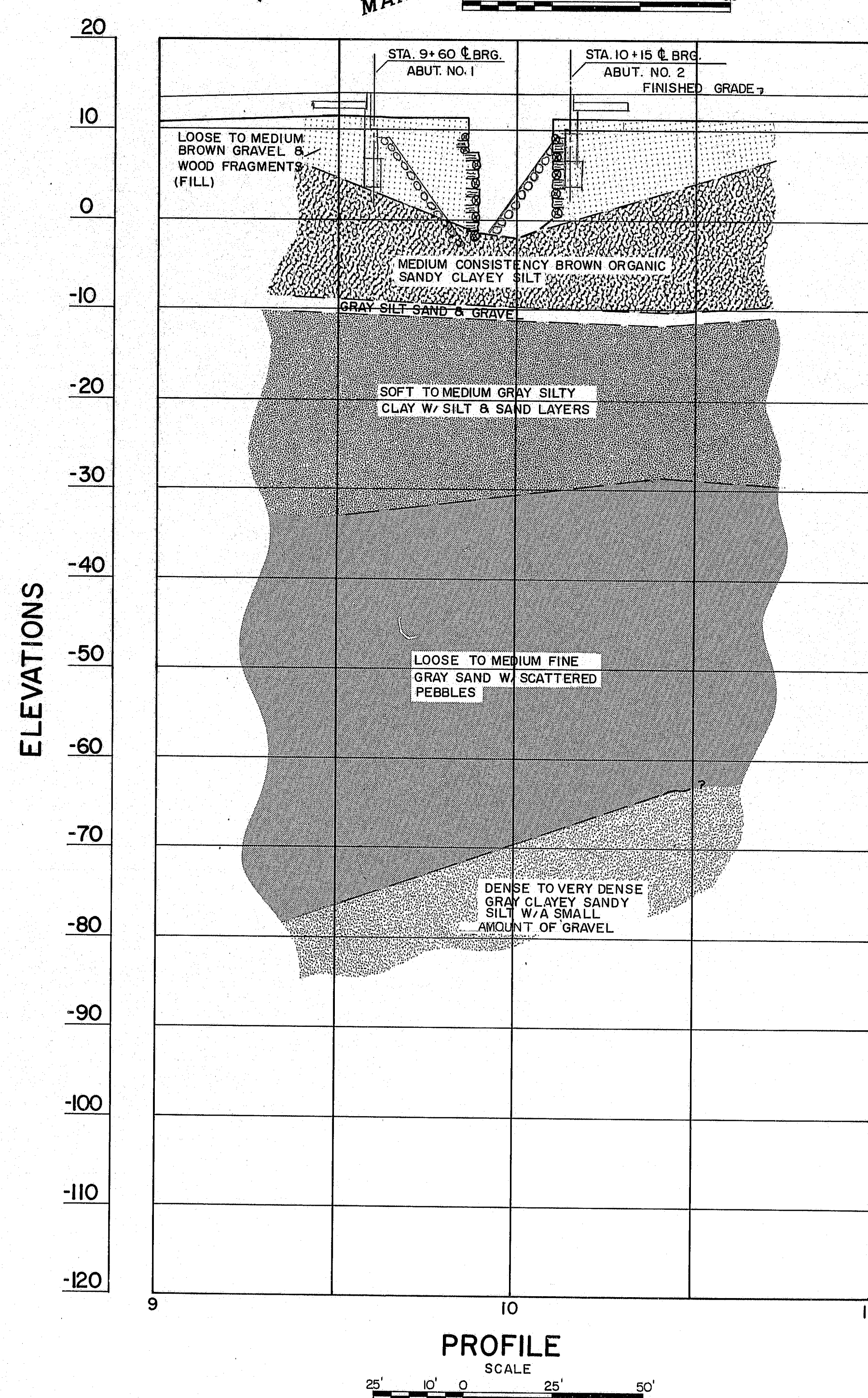
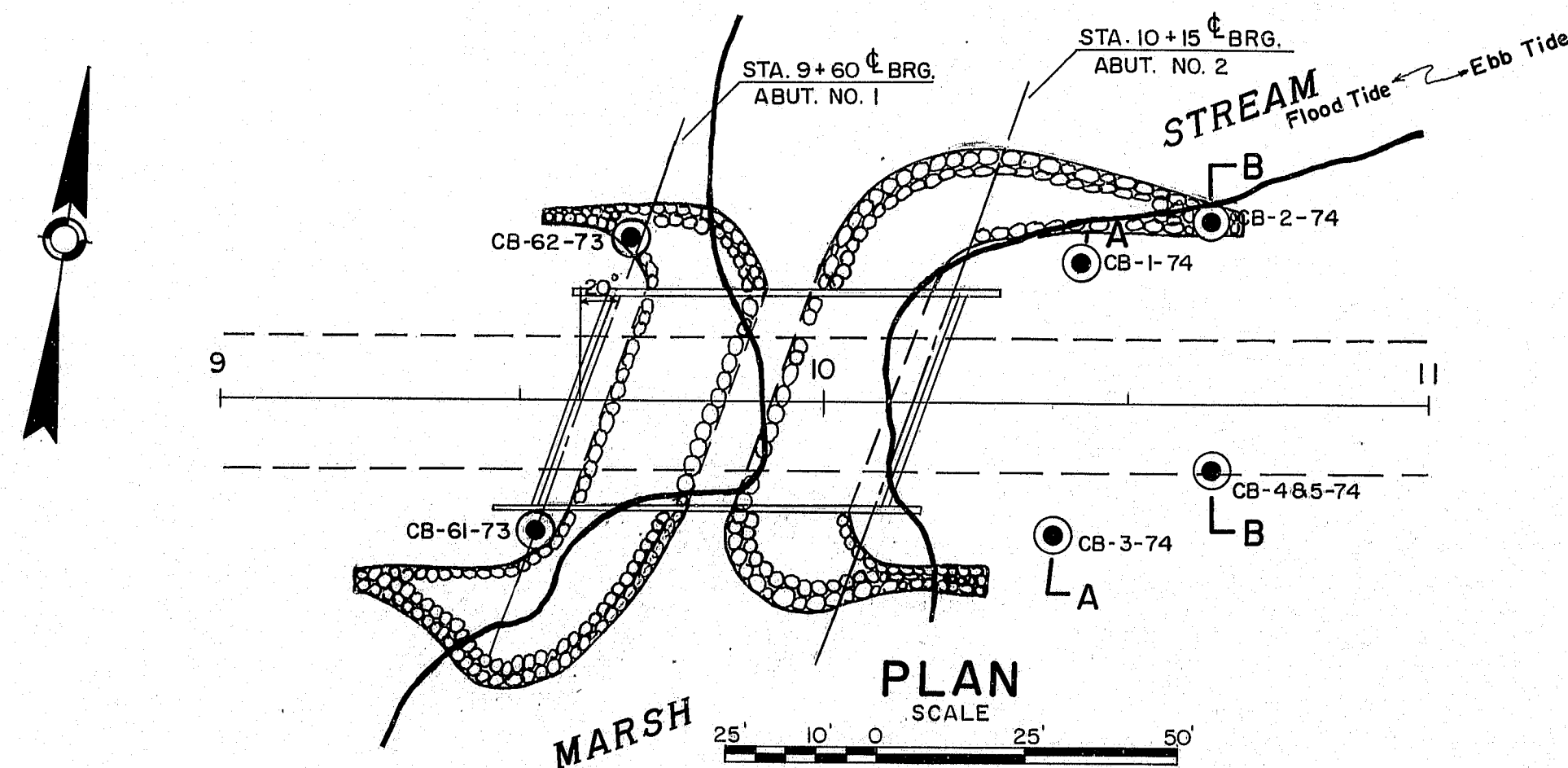
**MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY**

SURVEY
AUGUSTA, MAINE June, 1973

SHEET 4 OF 27

173-22

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	5	27

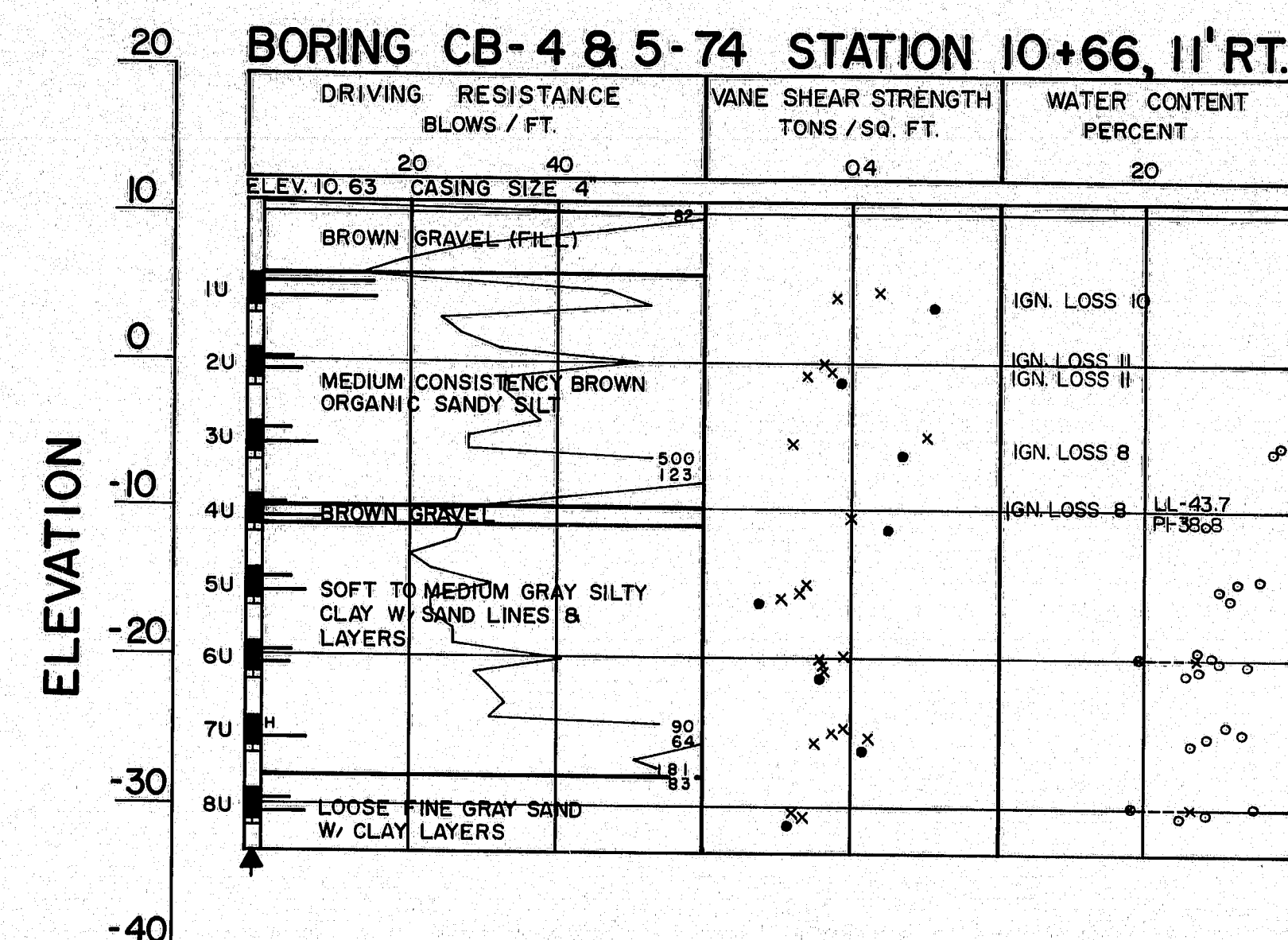
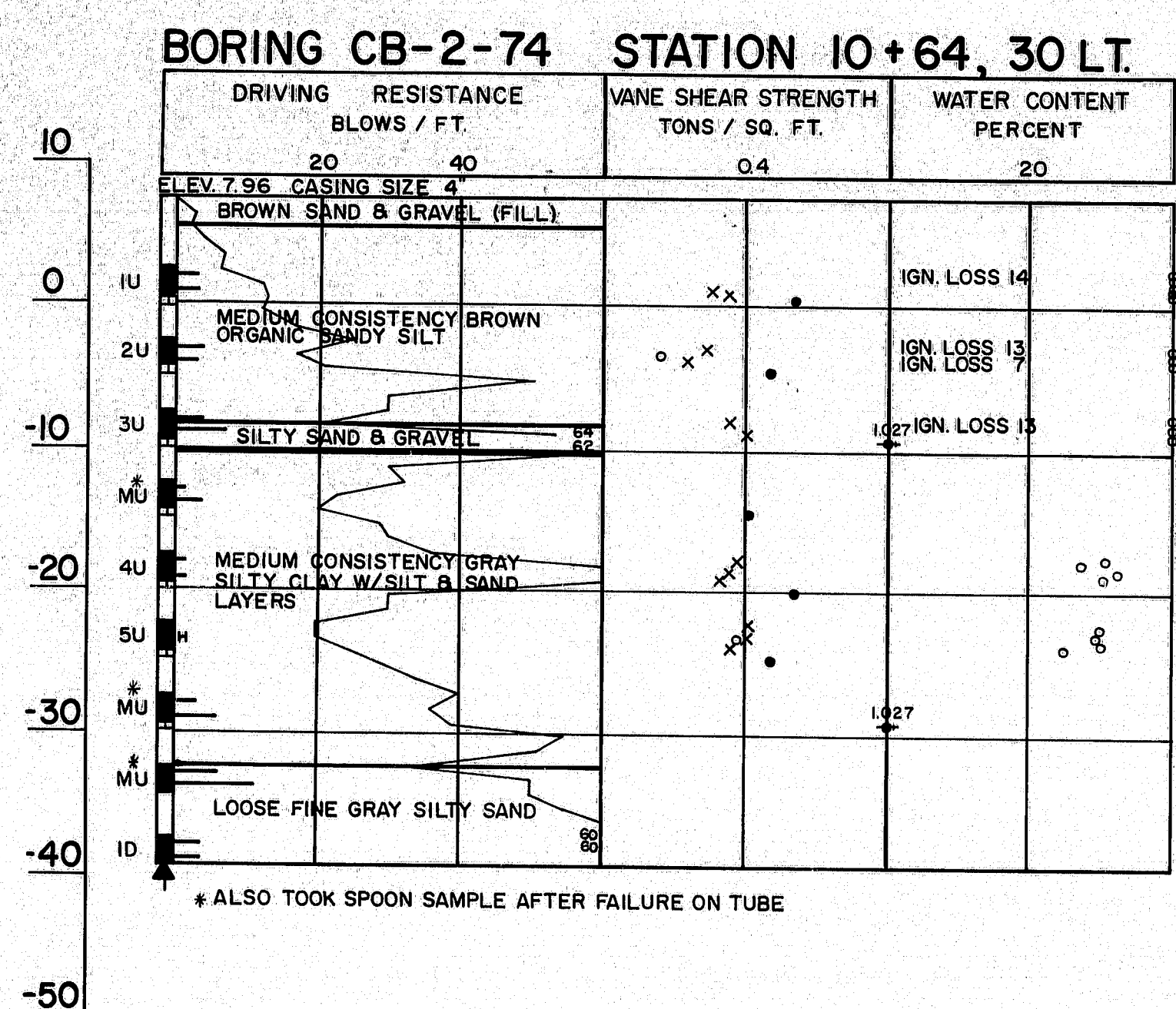
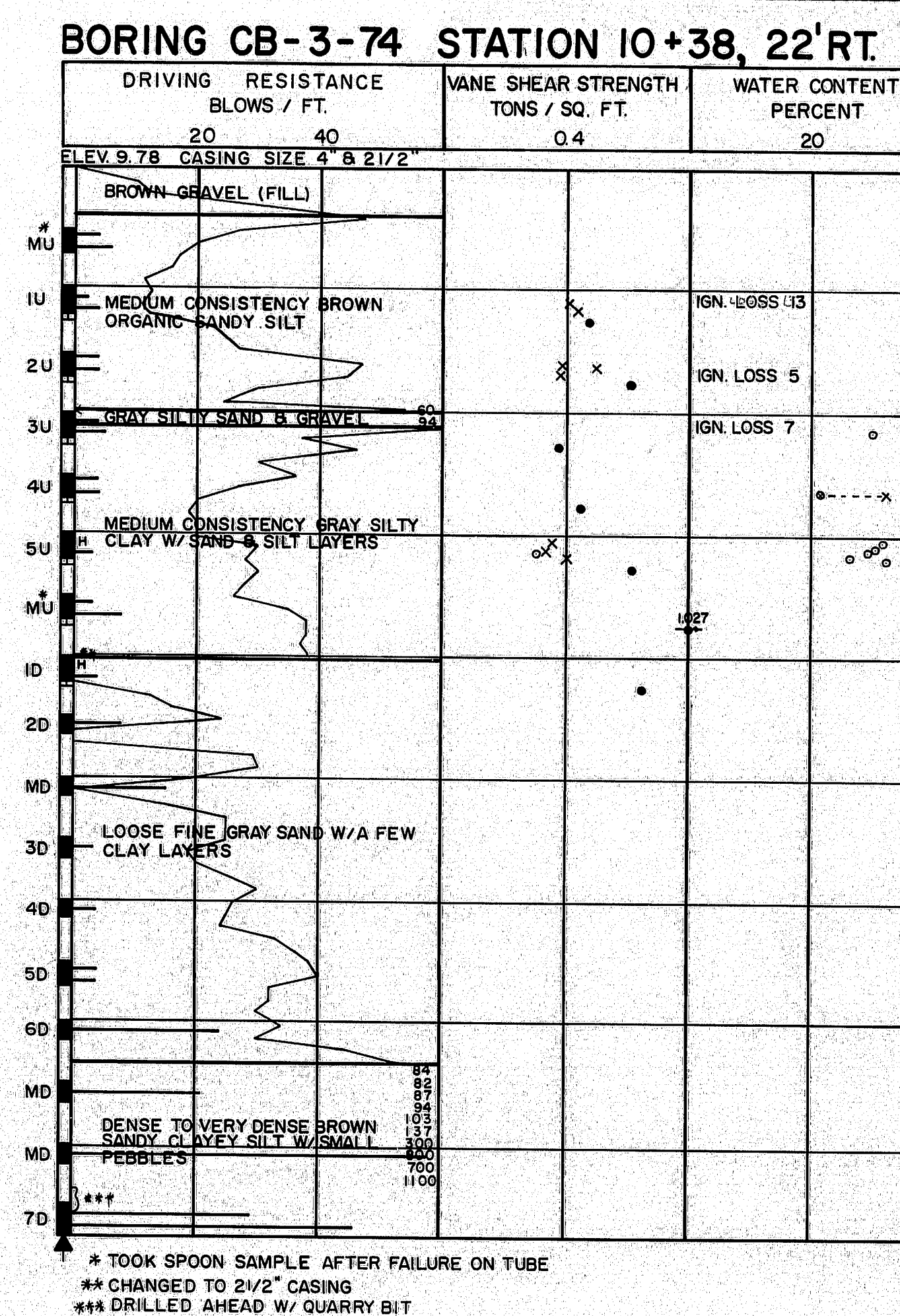
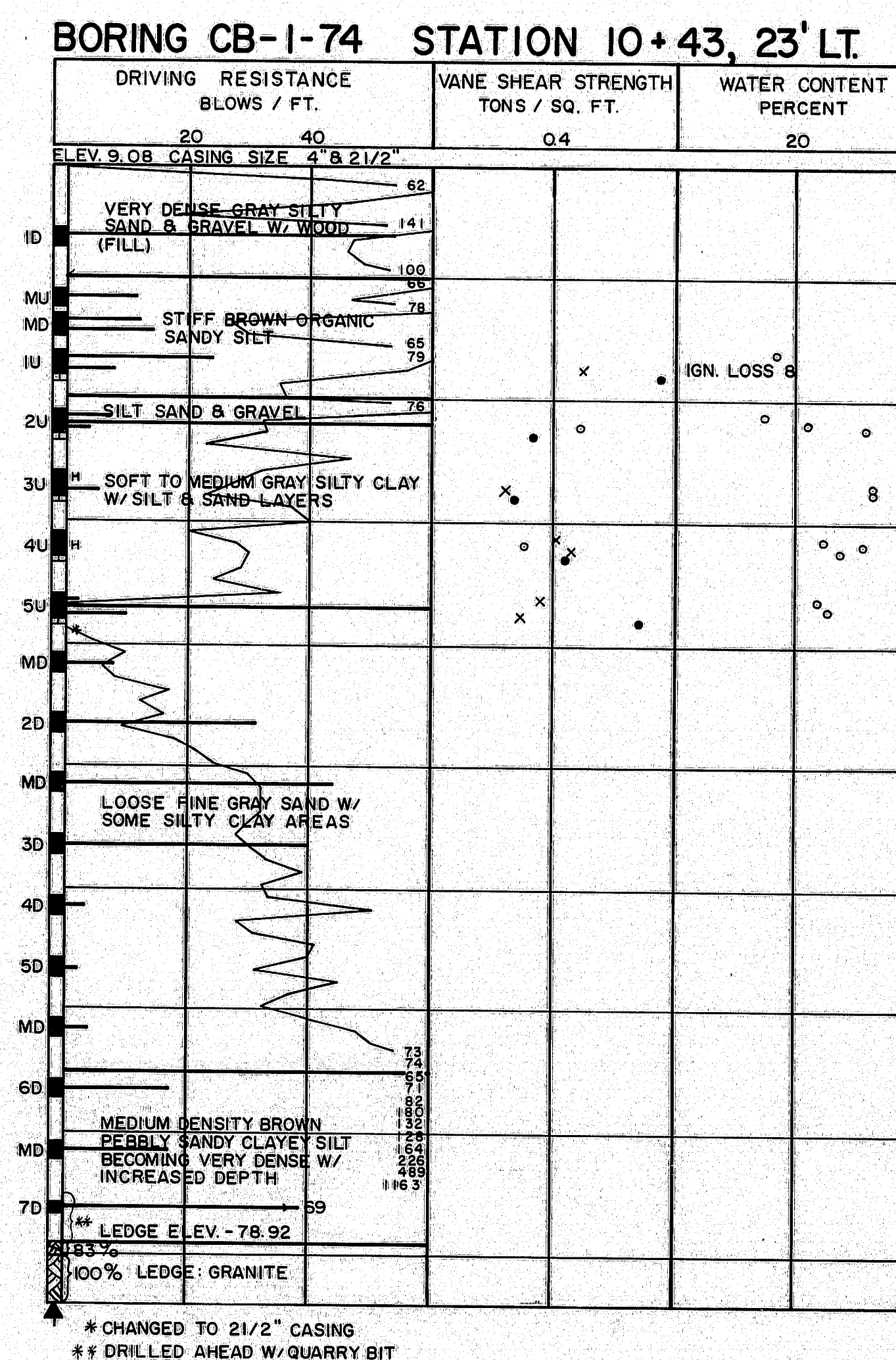
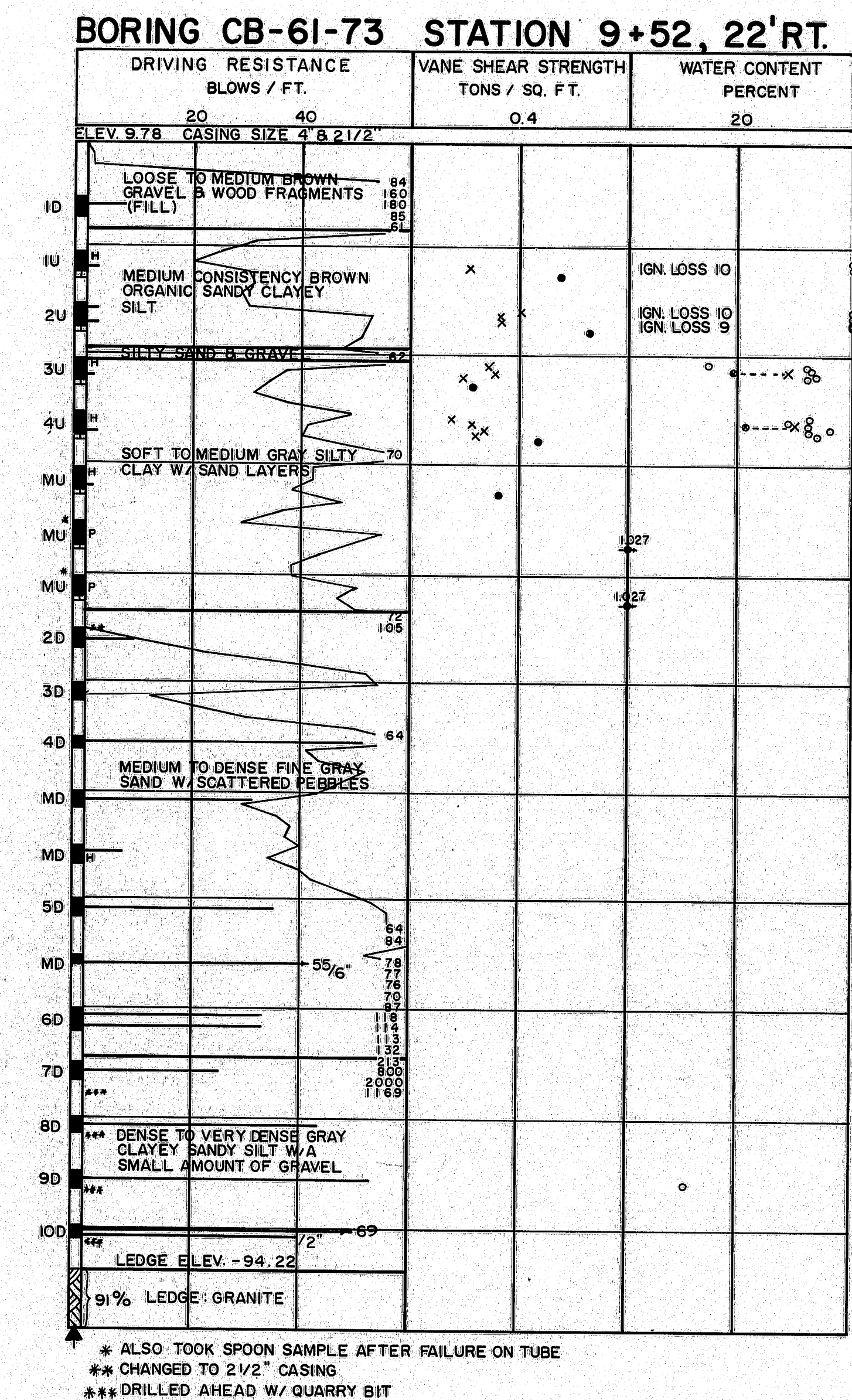
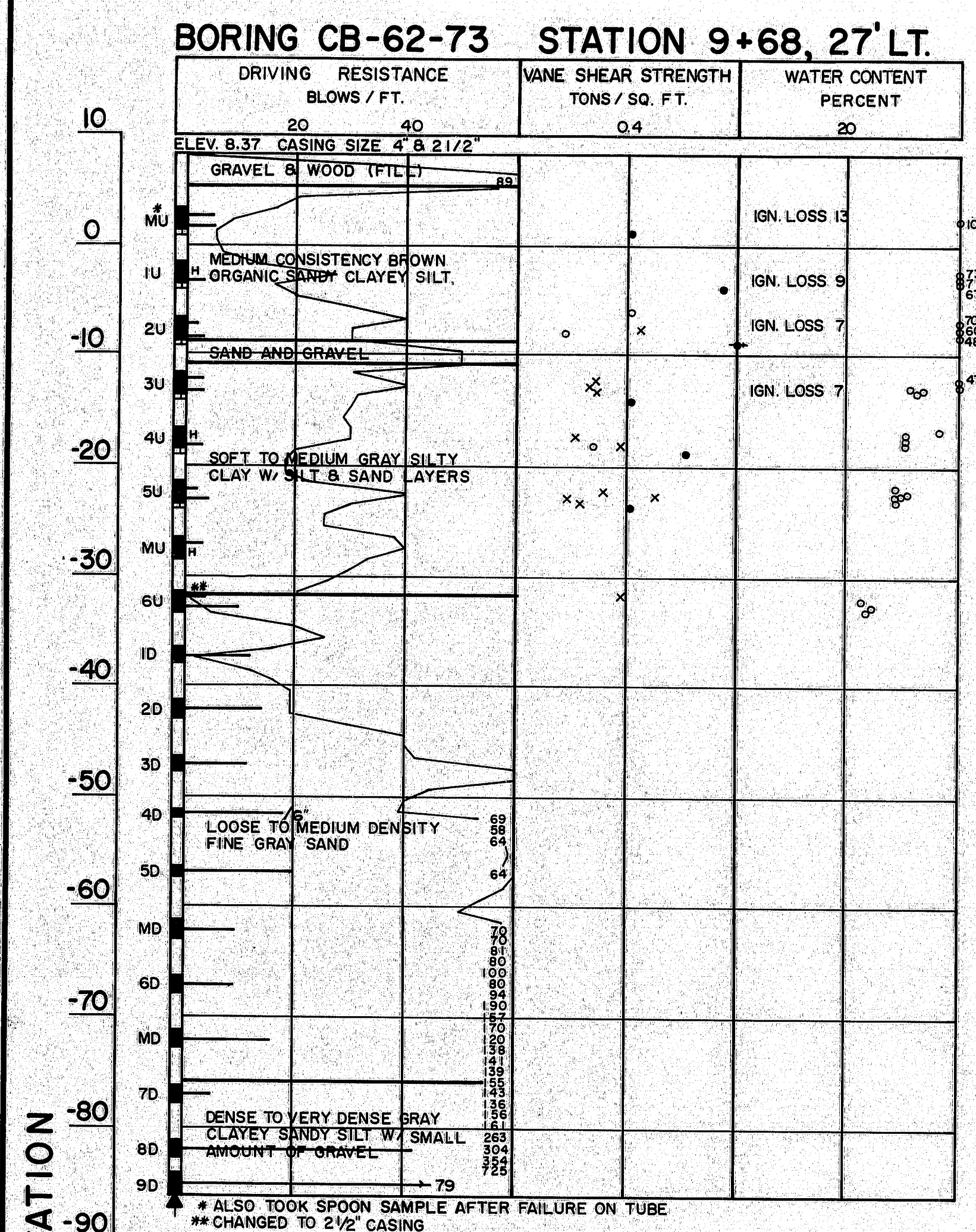


"As Built" 200

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY
FOUNDATION SURVEY
SHEET 5 OF 27 AUGUSTA, MAINE Feb. 1976

173-28

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	6	7



BORING NOTES

- All samples and vanes are made ahead of casing
- W Water elevation
- N Number of blows required to drive extra heavy casing one foot with 400 lb. lbs. of energy per blow
- L Location of sample or sample attempt
- M Number and type of dry sample
- ID S & H Sampler #1290's
- IC 2' O.D. 16 ga. seamless tubing
- IU 3 1/2' O.D. 16 ga. seamless tubing
- IW Wash samples and number
- MD Unsuccessful sample attempt and type of sampler
- NB Number of blows required to drive spoon or tubing one foot with 350 ft. lbs. energy per blow
- H Sampling spoon or seamless tubing driven by static weight of drill rods and hammer
- P Piston sampler
- FI Field vane test
- B Bottom of boring (may not be bottom of soil strata)
- R Refusal of drill rods or casing (may not be ledge)
- LC Locations cored by diamond bit and per cent recovery of rock

SHEAR NOTES

- Field vane shear strengths
- × Laboratory vane shear strengths
- Shear strengths in excess of capacity of equipment
- One half unconfined compressive strengths

WATER CONTENT NOTES

- Natural water contents, given as per cent of dry weight
⊗---X Plastic and liquid limits
Ignition losses are given as per cent of dry weight

"As Built" rule

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY

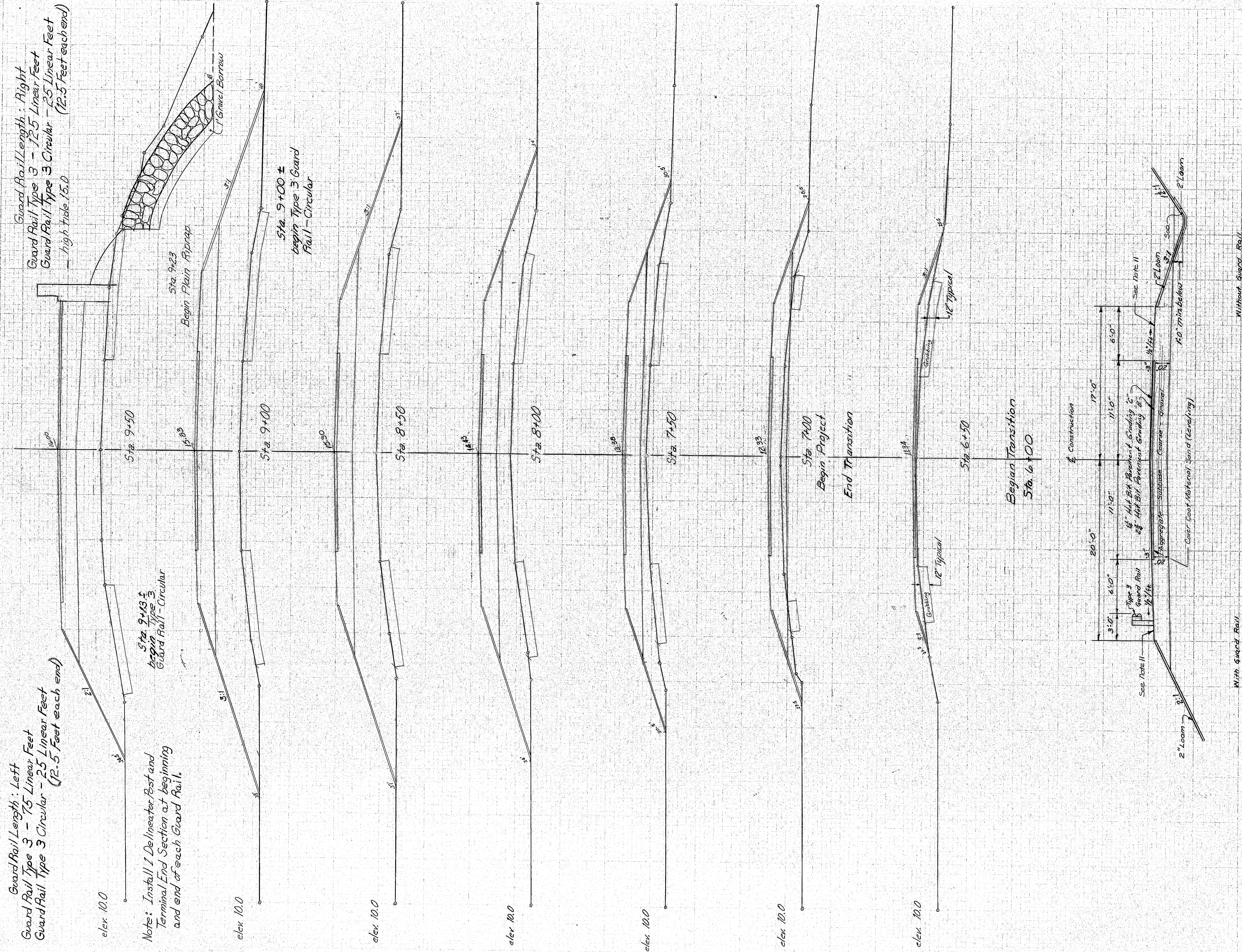
SHEET 6 OF 27 BORING DETAILS AUGUSTA, MAINE Feb. 1970

173-29

Designed by: M. Lyons 5-76
Checked: R. K. H. 3-76

ORIGINAL	DATE
SURVEY	BY
TEMPERATURE	22.34
WIND DIRECTION	SW
WIND VELOCITY	5-76
WIND DIRECTION	SW
WIND VELOCITY	5-76

FINAL	DATE
SURVEY	BY
TEMPERATURE	22.34
WIND DIRECTION	SW
WIND VELOCITY	5-76
WIND DIRECTION	SW
WIND VELOCITY	5-76



MARSH BRIDGE
PROSPECT

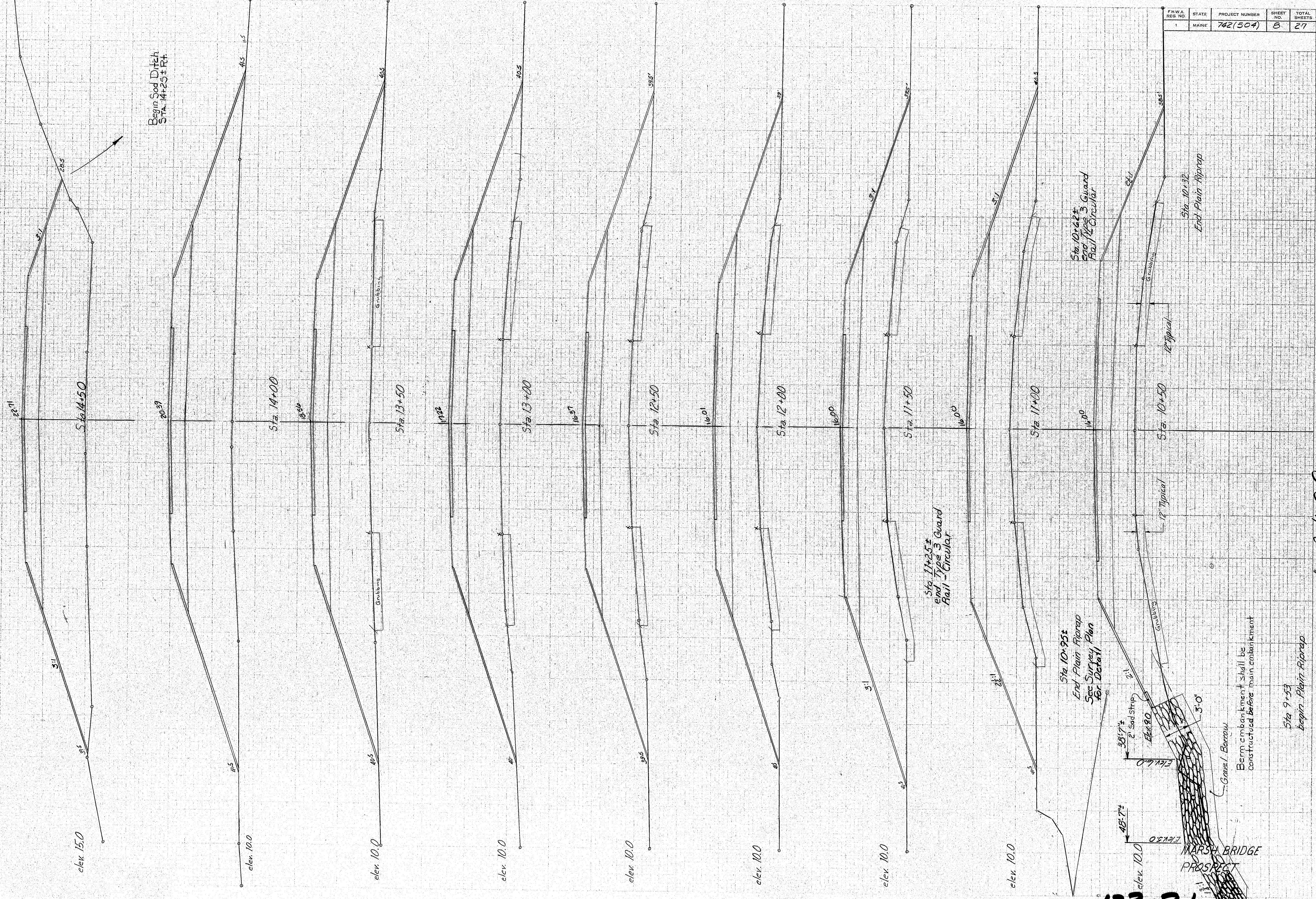
173-30 5/16 Built Grad

PHWA	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	7	27

Designed by: M. Lyons, 3-76
Checked: R.M.H., 3-76

ORIGINAL SURVEY	DATE
DATE	2-76
BY	R.M.H.
APPROVED	
NOTED	
AREA	
CHECKED	

FINAL SURVEY	DATE
DATE	
BY	
APPROVED	
NOTED	
AREA	
CHECKED	

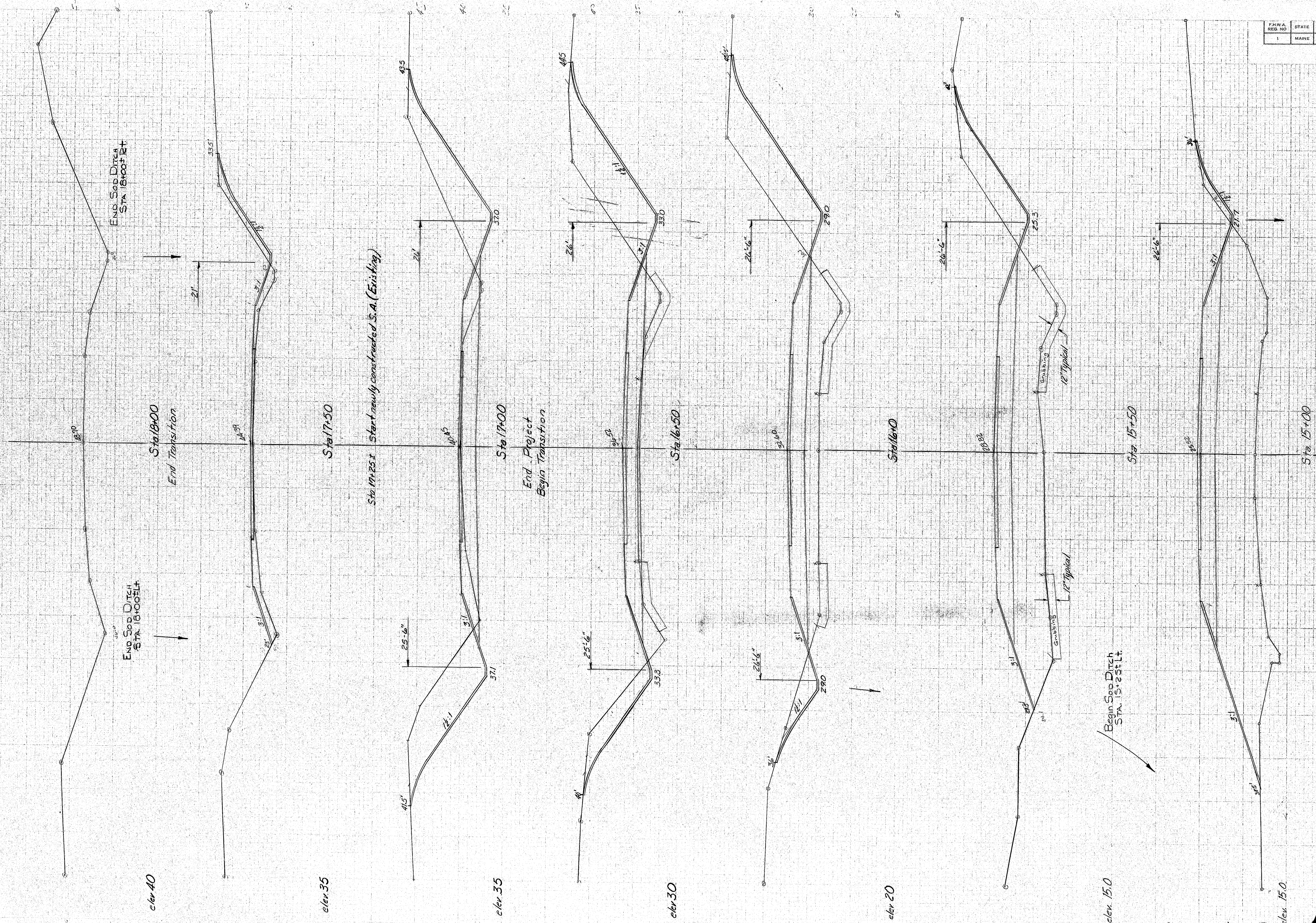


Station 10+00 to Station 14+50 "As Built" 2-76

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		

Designed by: W. Lyons 3-5107
Checked: R. W. M. 3-76

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	9	27



"As Bm H" ^{ele} 173-32
Sh #9

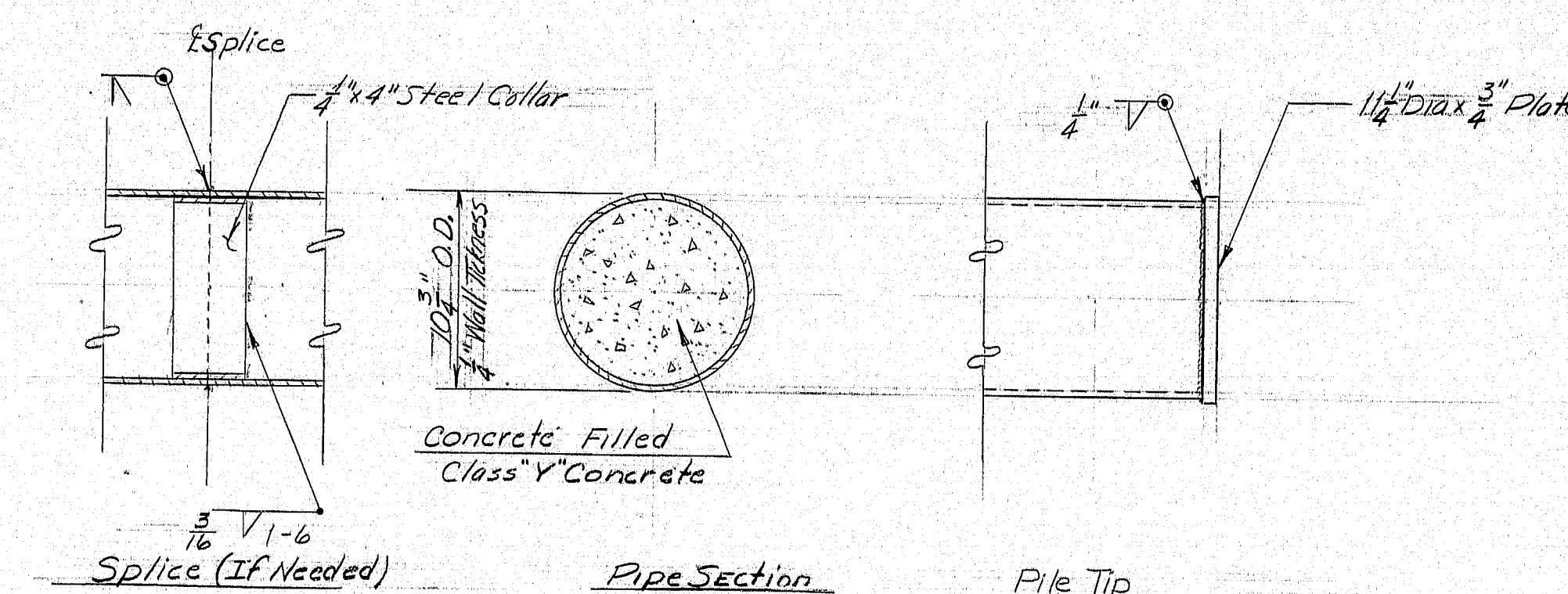
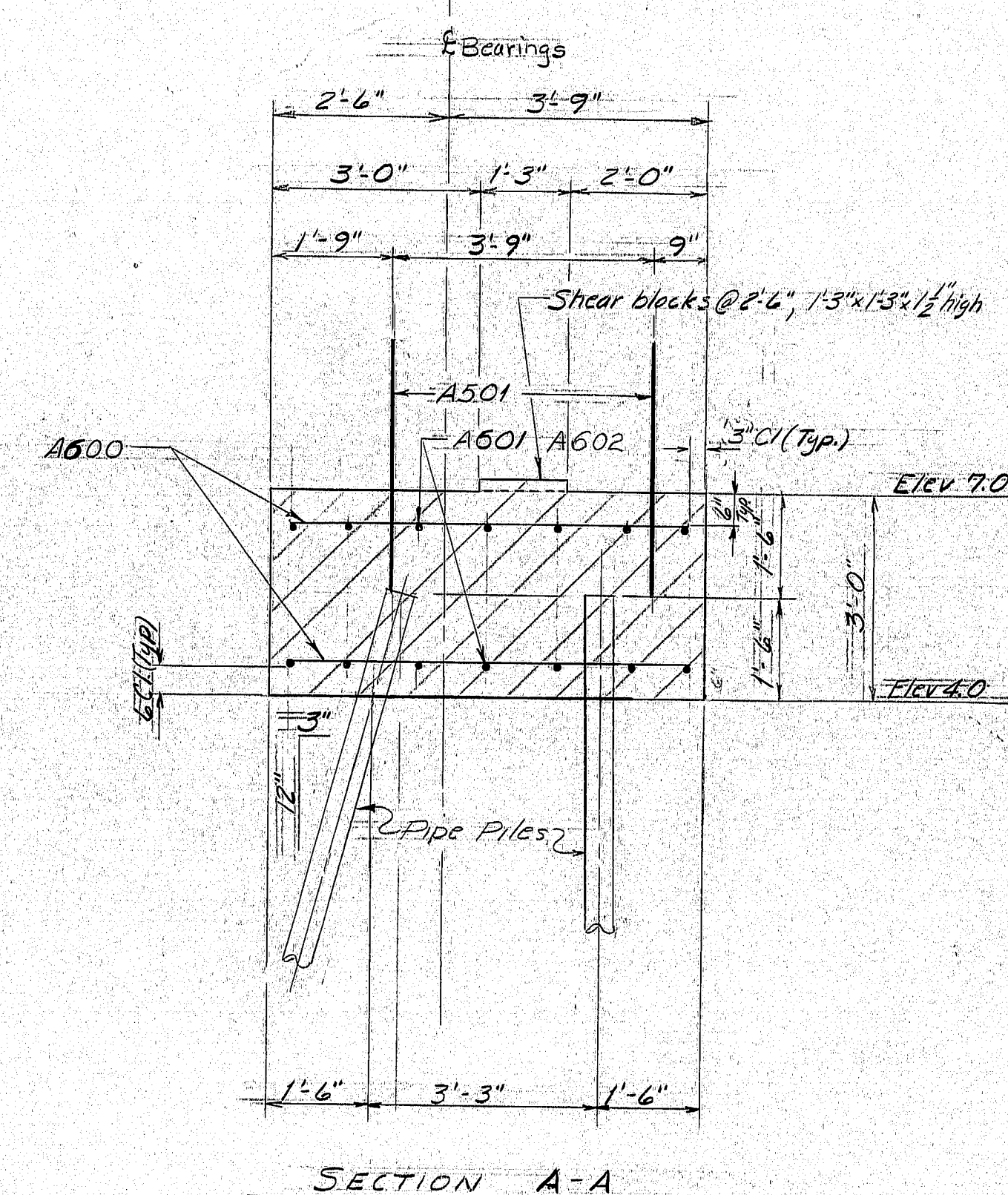
Station 15+00 to Station 15+50

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	10	2

PILE NOTES

1. Pile shall be driven to length given.
2. All piles shall have a flat plate tip.
3. Pile marked thus \odot shall be battered 3" per foot in the direction of the arrow.
4. Maximum pile load equals 29 tons.
5. Following are pile locations, number of piles required, size of piles and driven lengths.
Abutment #1 12 - 10" dia. x 60'
Abutment #2 12 - 10" dia. x 60'
6. Piles which are embedded into footing a distance of 1' 6" may vary between 1' 0" and 2' 0" however, payment shall be allowed only for the actual embedment length up to a maximum of 1' 6".
7. Piles shall conform to the requirements of welded and seamless Steel Pipe Piles, ASTM designation A552, Grade 2, with chemical requirements meeting ASTM designation A553, Grade B.

Abutment No. 2 Sta. 10+15.00 Abutment No. 1 Sta. 9+60.00



STEEL PIPE PILE DETAILS

"As Built" *W.D.*
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY
FOOTING & PILE PLAN

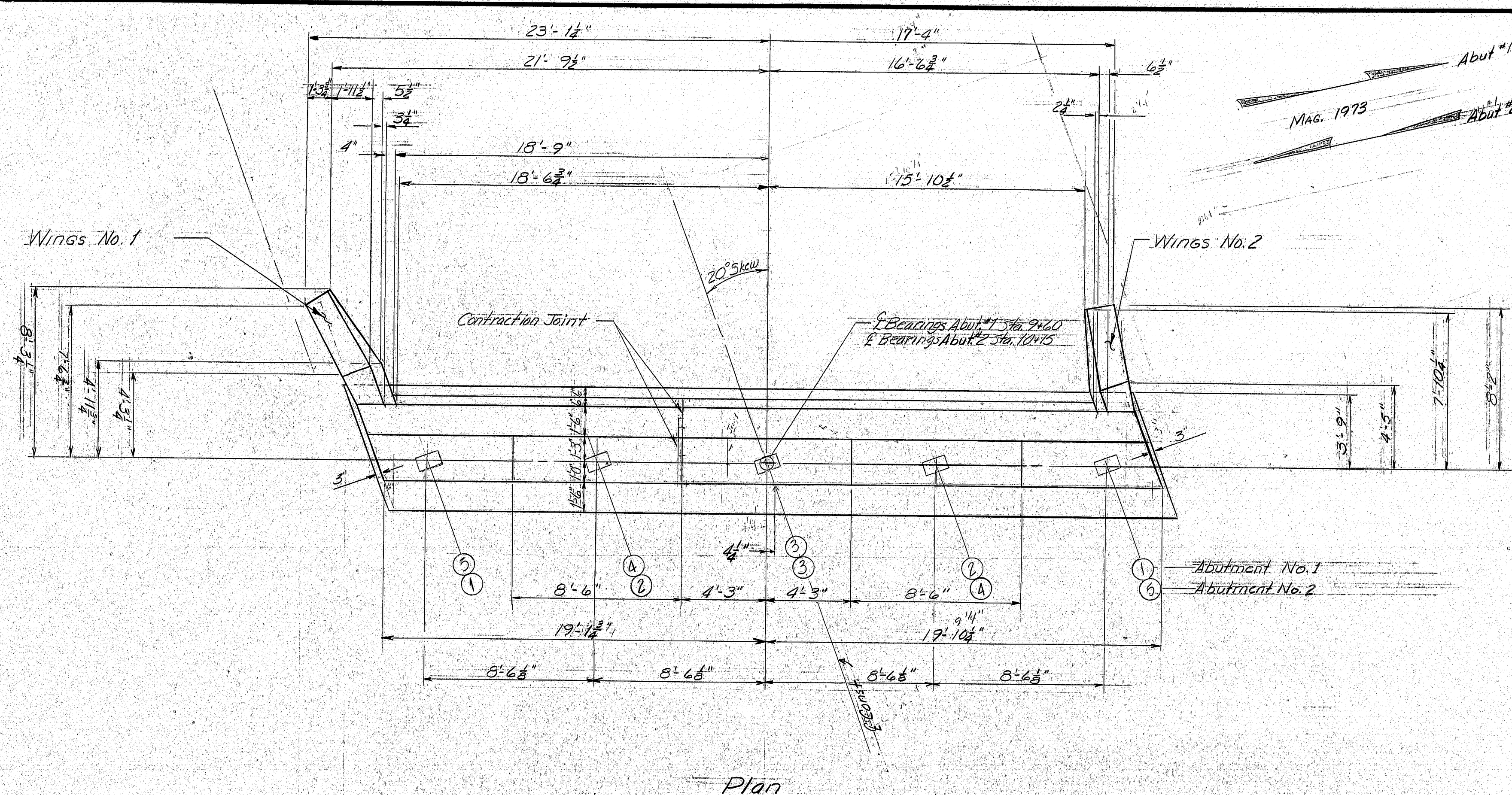
SHEET 10 OF 27 AUGUSTA, MAINE Sept. 1978

173-33

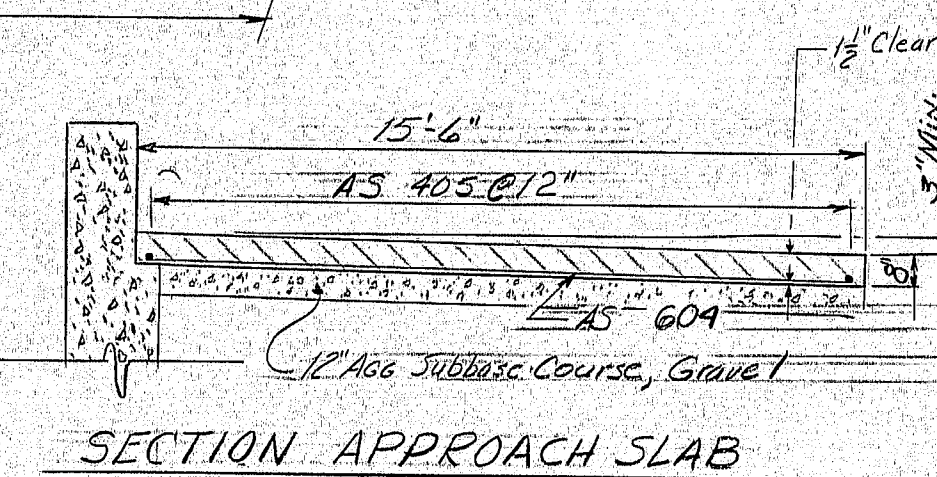
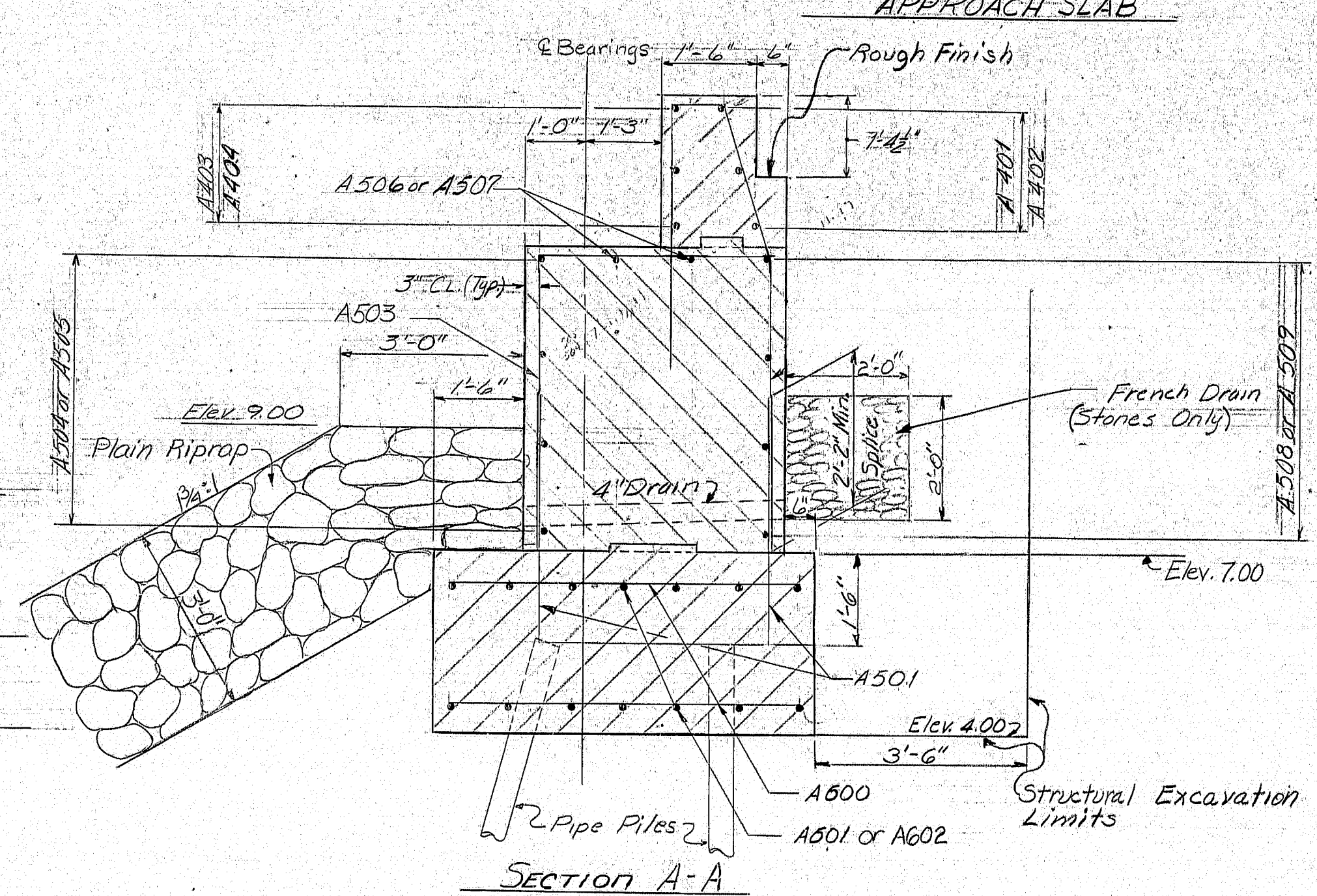
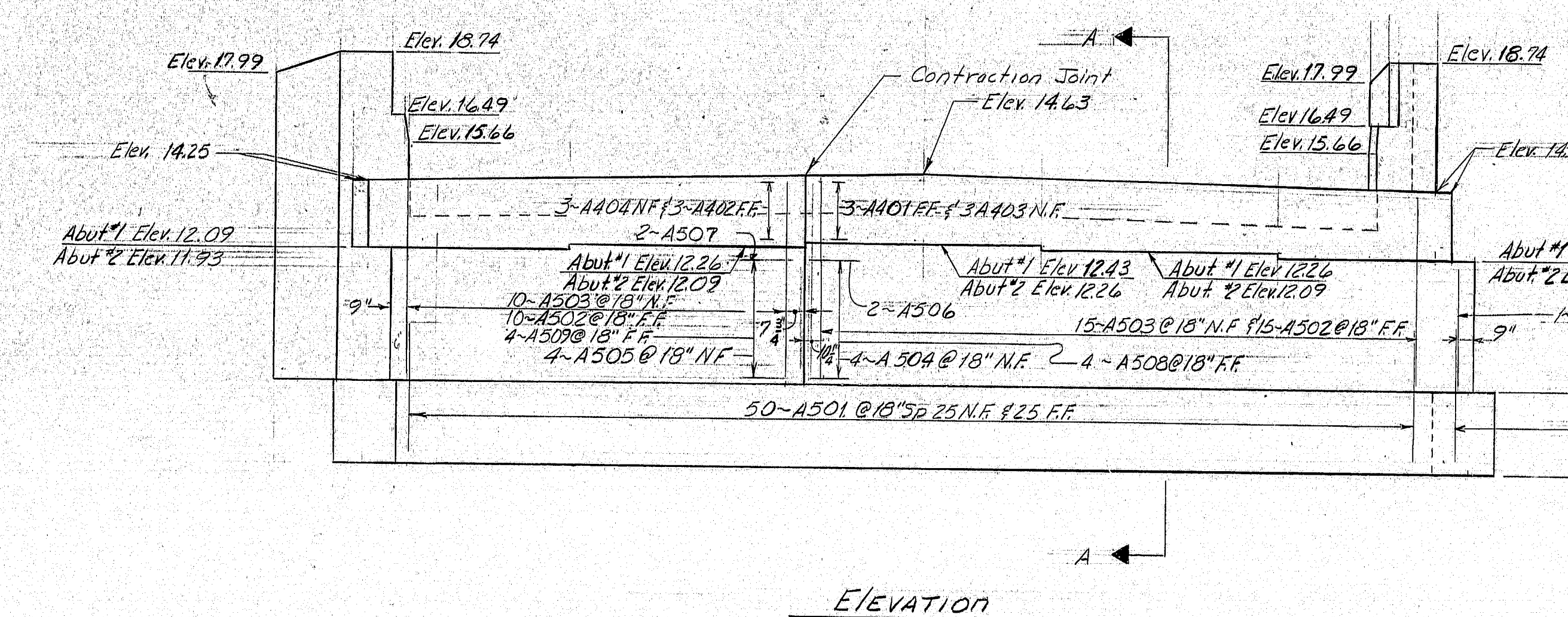
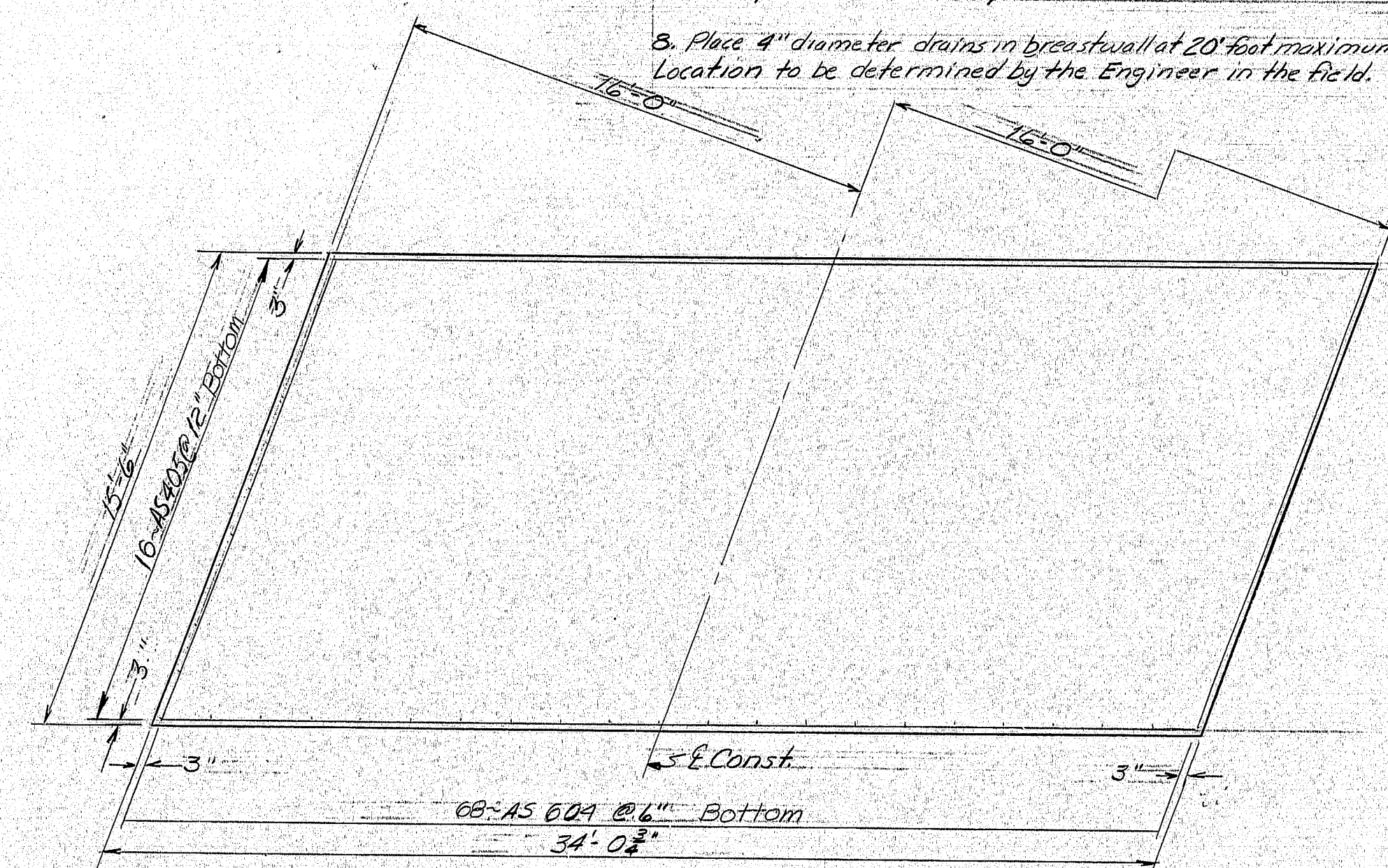
PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAILED	W.D.	8/24
CHECKED	R.W.M.	5/72
REVISIONS		
FIELD CHANGES		

JANUARY 1982

F.H.W.A. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	11	27



- Standard Notes For Abutments**
1. Chamfer all exposed edges of concrete a consistent dimension between $\frac{1}{4}$ " and $\frac{3}{4}$ " inclusive, unless otherwise indicated.
 2. Place reinforcing steel in bridge seats to clear anchor bolts.
 3. Break bond at vertical contraction joints by a method approved by the Engineer.
 4. Polyvinylchloride waterstops as shown on Standard Detail 15 BD-104-77 shall be placed in the vertical contraction joint.
 5. Cover contraction joint on the back with two layers of heavy roofing, 10" wide. Coat the concrete and back of each layer as applied with plastic roofing cement. Recess the area covered.
 6. Waterstops are not required in horizontal construction joints.
 7. Protective coating for concrete surfaces shall be applied to the following areas: exposed areas of end posts.
 8. Place 4" diameter drains in breast wall at 20' foot maximum spacing. Exact location to be determined by the Engineer in the field.



PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAILED	2/1/78	2/1/78
CHECKED	2/1/78	2/1/78
REVISIONS		
FIELD CHANGES		

"As Built" Drawing

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

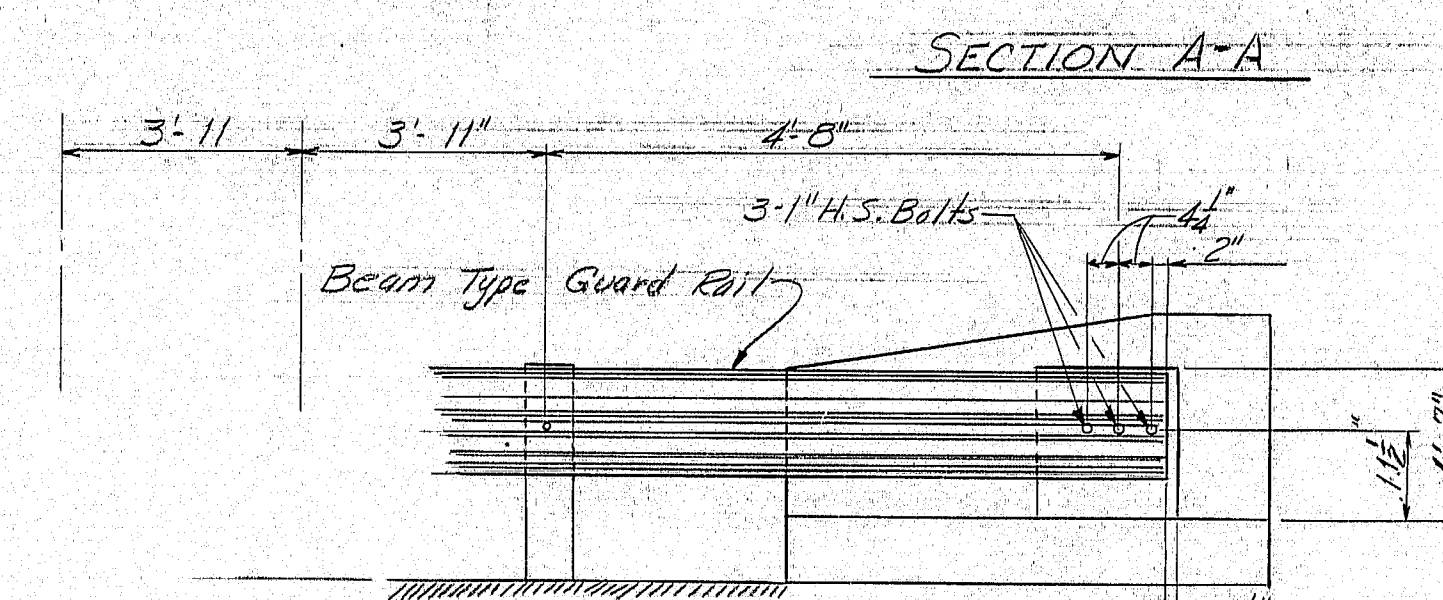
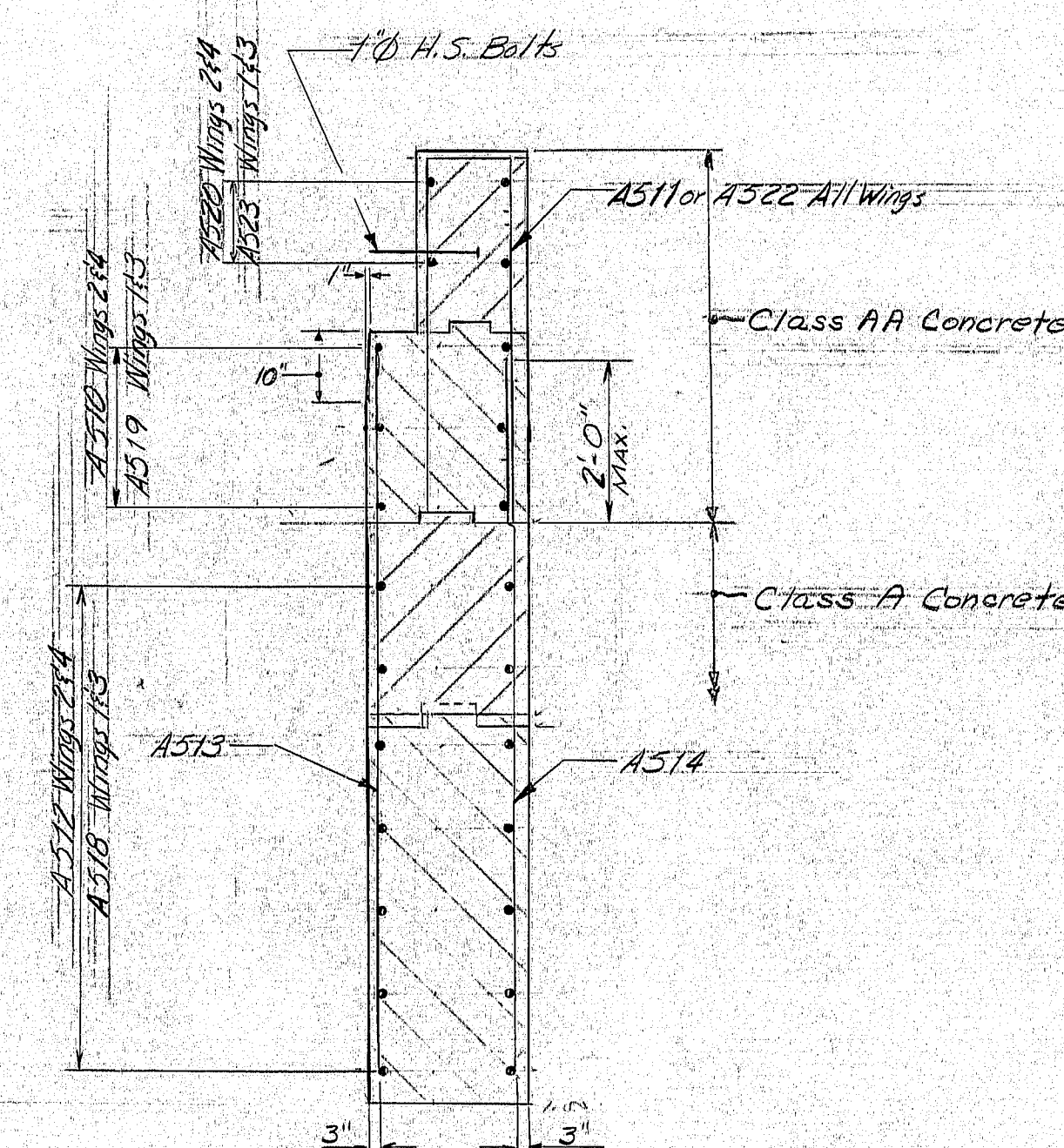
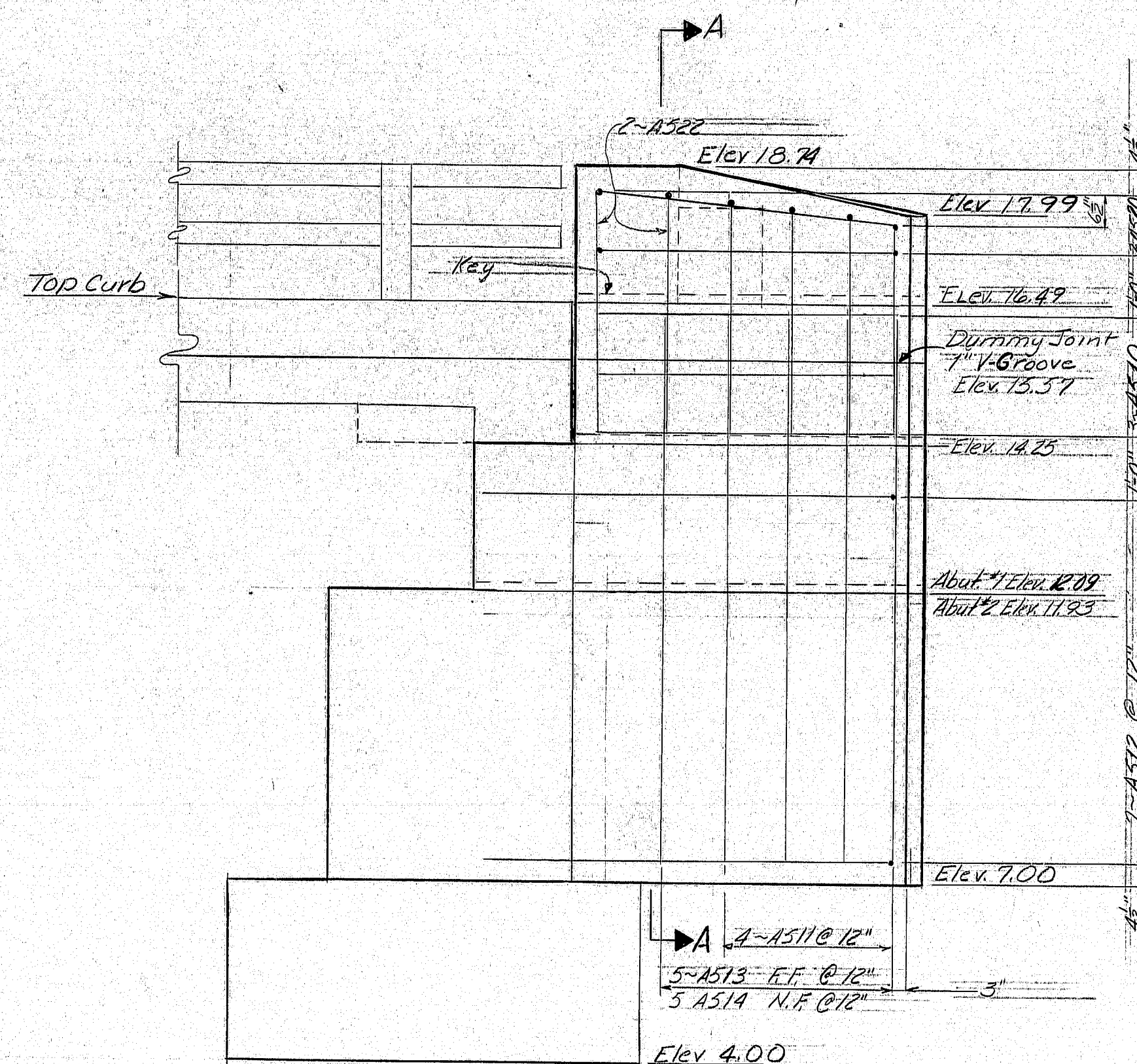
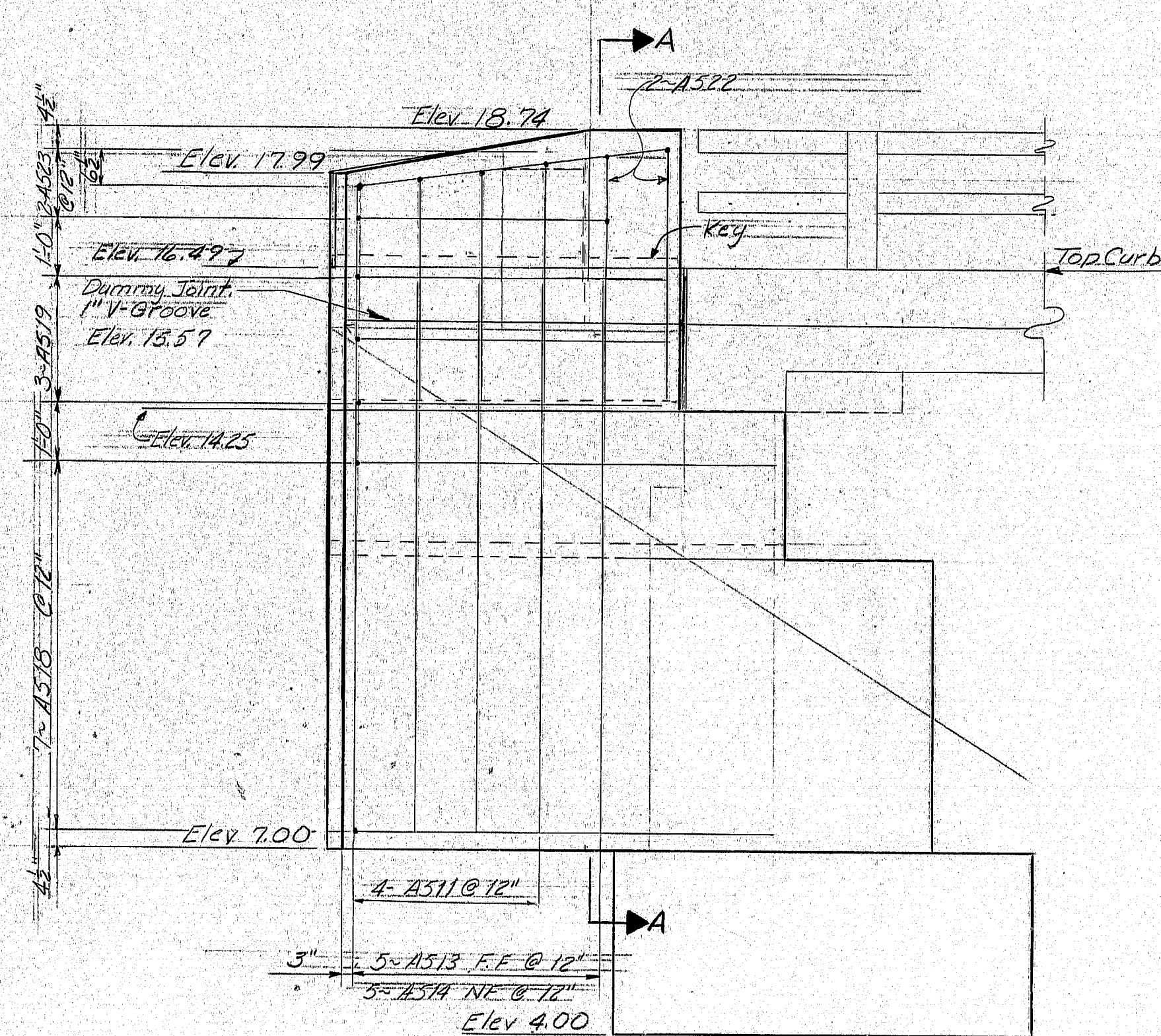
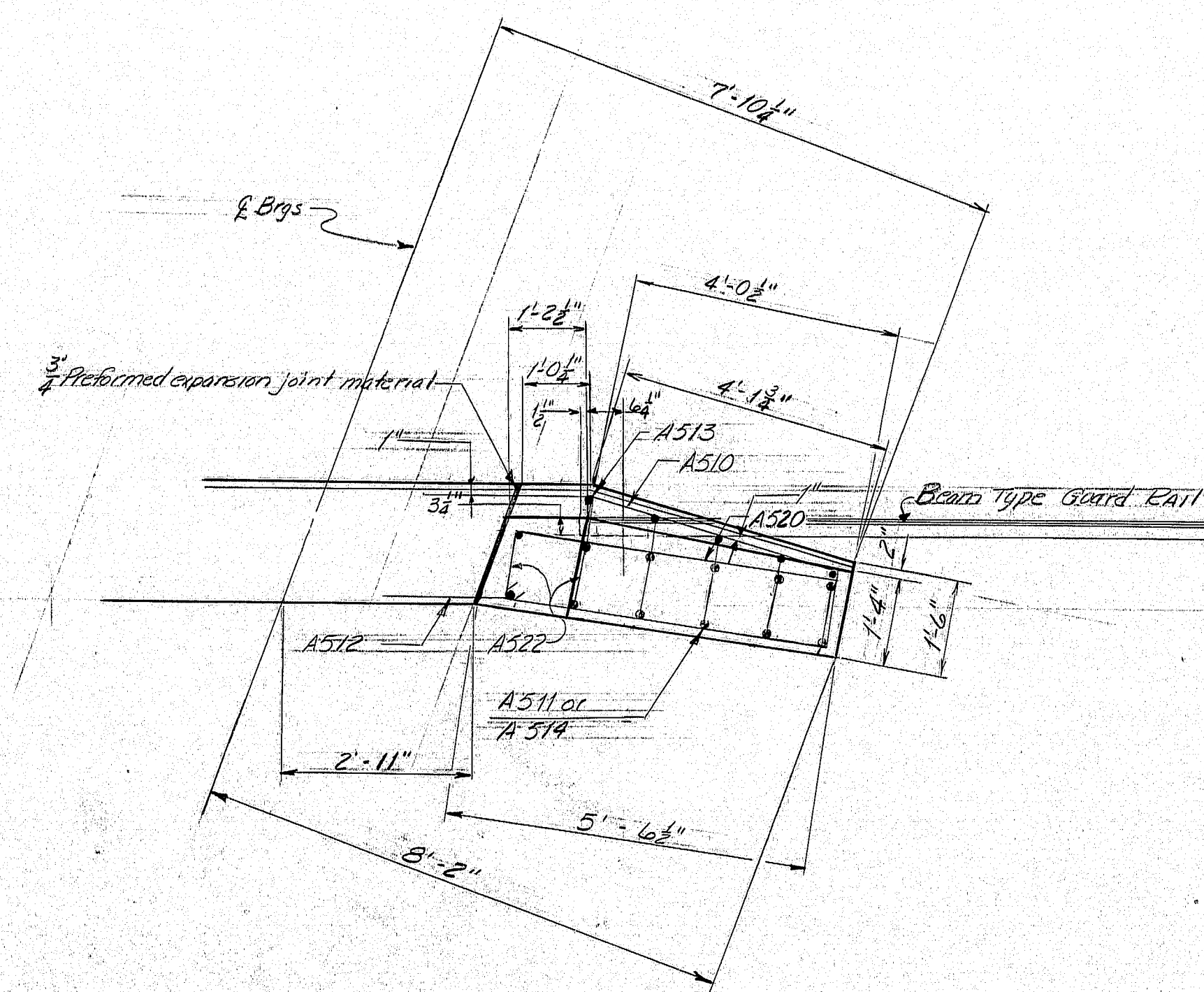
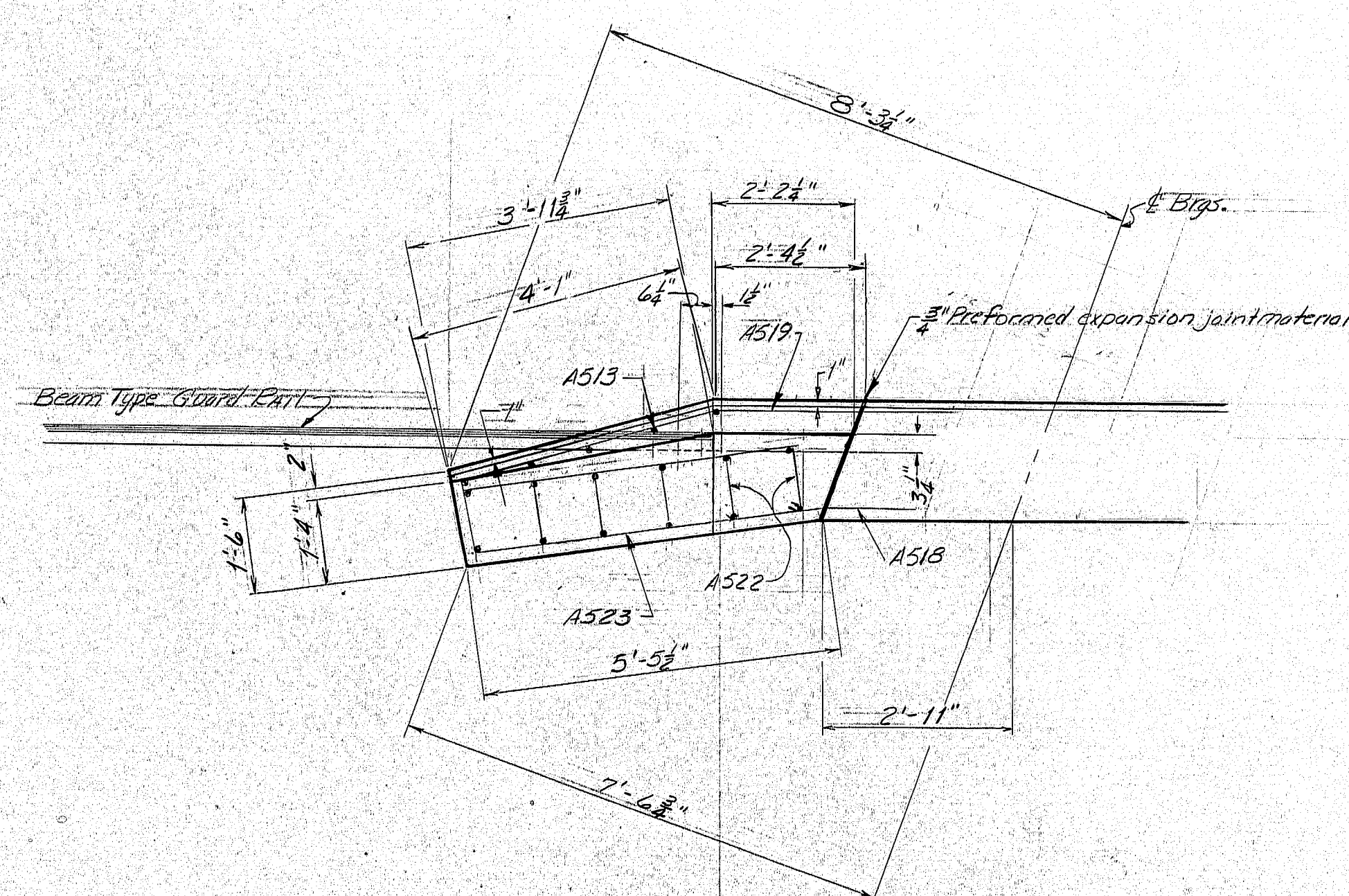
**MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY**

ABUTMENT NO. 1 & 2

SHEET 11 OF 27 AUGUSTA, MAINE Sept. 1978

173-34

F.H.W.A. REQ. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	12	27



For 1" H.S. Bolts See Standard
Detail Sheet @ Aug. 1969

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY
WING DETAILS

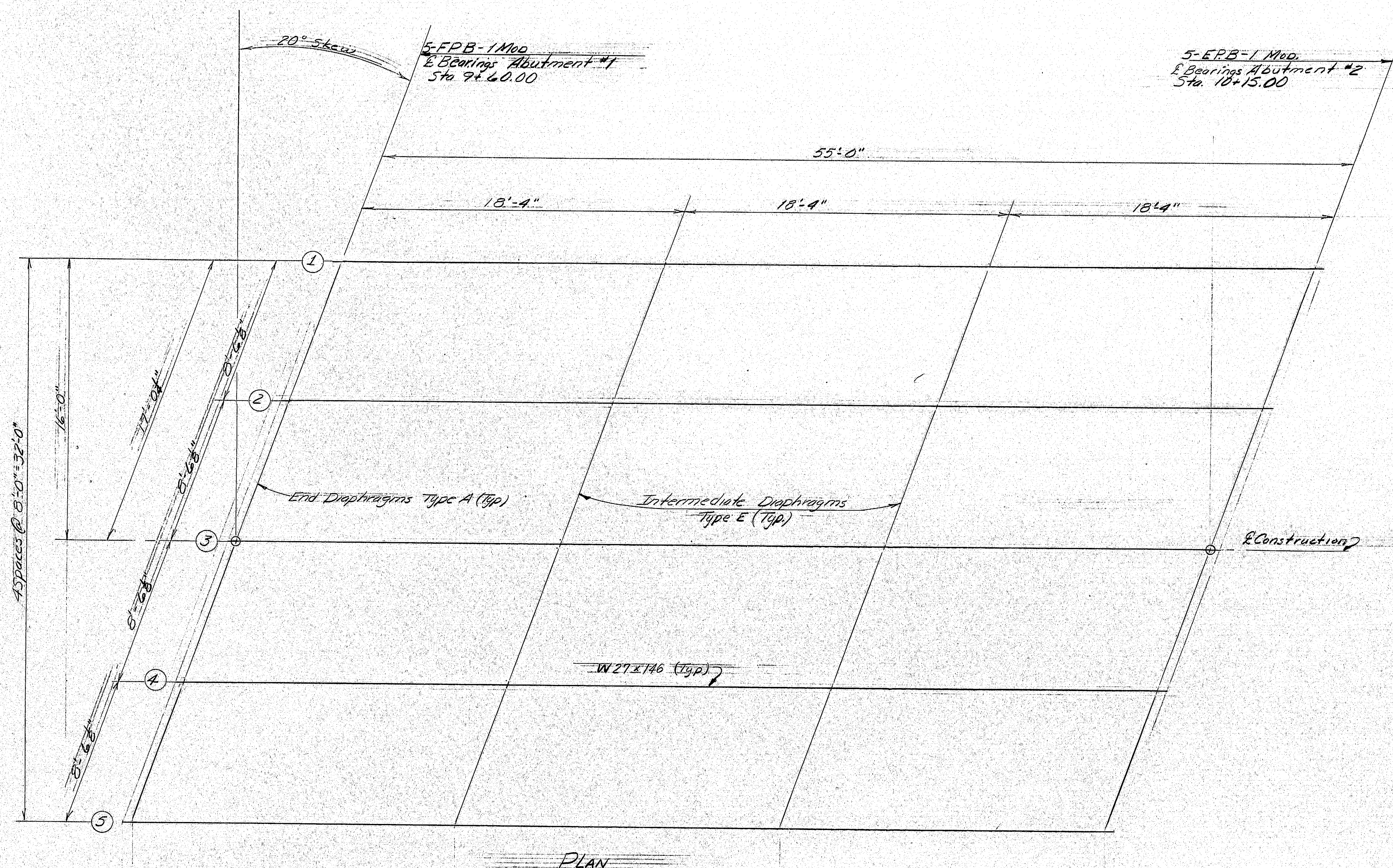
SHEET 12 OF 27 AUGUSTA, MAINE Sept. 1978

173-35

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAILED	W.A.B. / E.P.M.	4-78
CHECKED	K.M.M.	5-78
REVISIONS		
FIELD CHANGES		

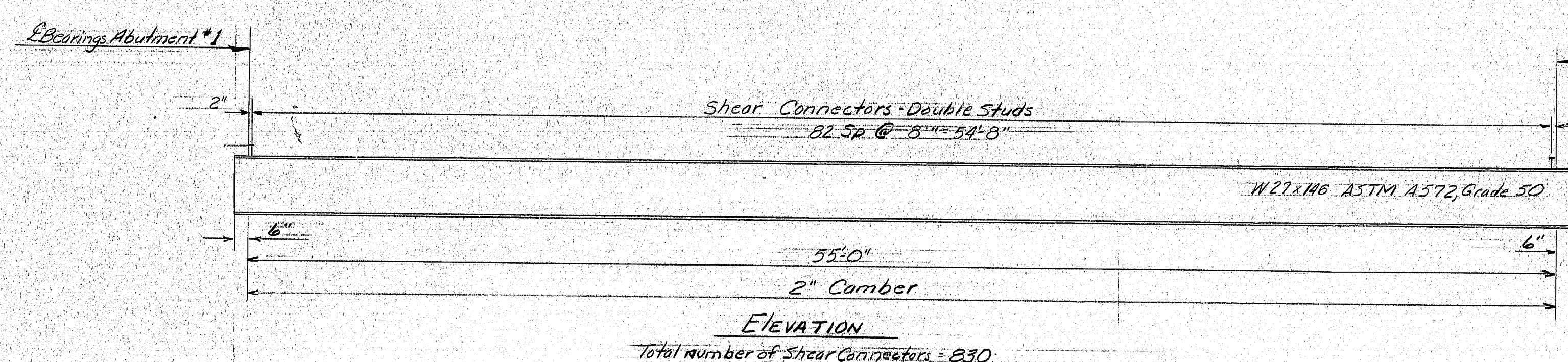
JANUARY 1979

F.H.W.A. JOB NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	13	27



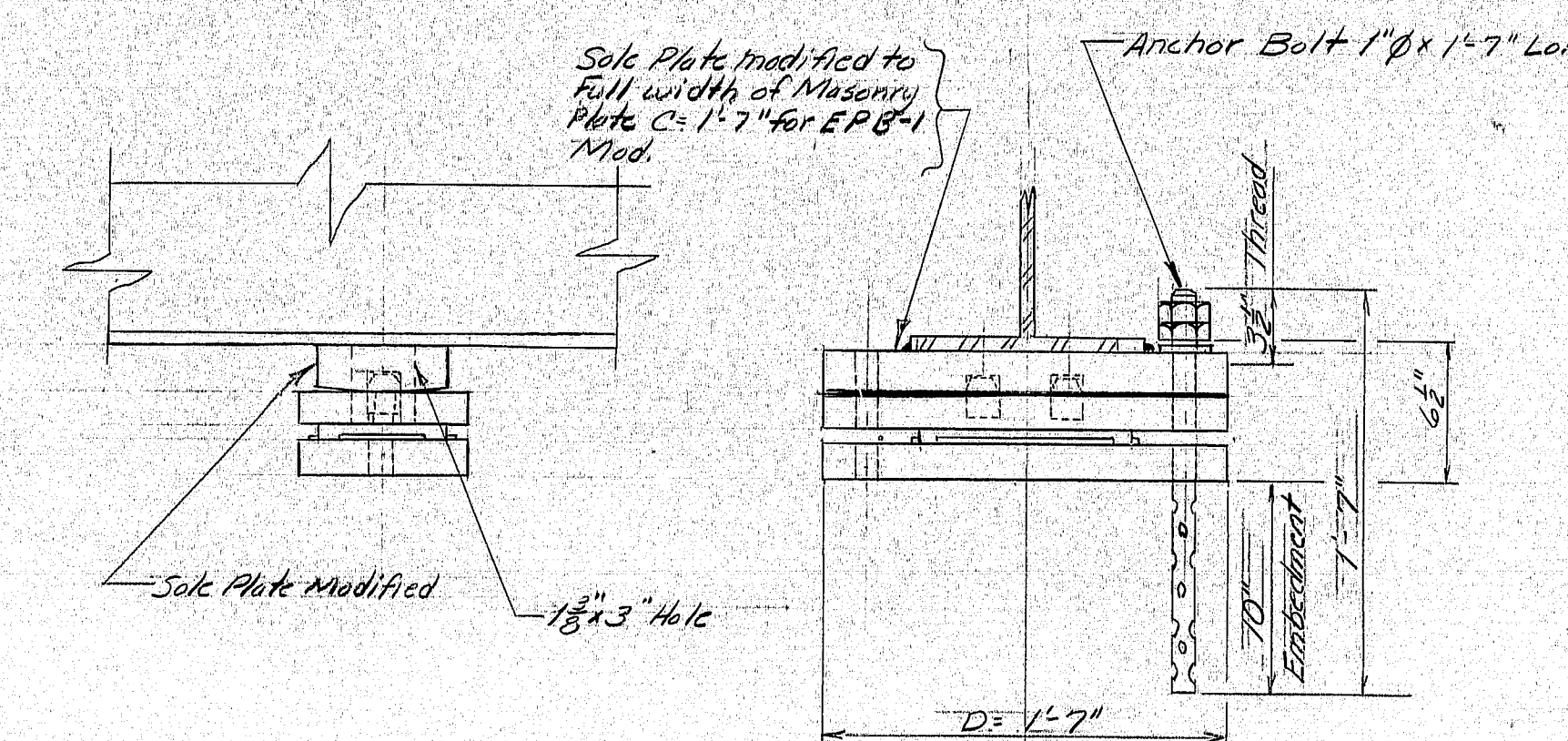
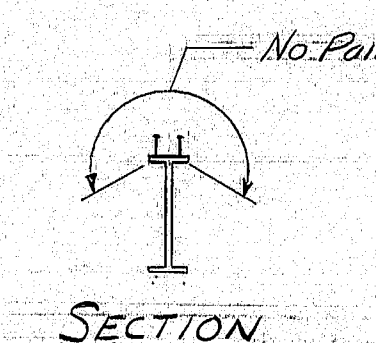
STRUCTURAL STEEL NOTES

(1) Diaphragm connection plates may be either plumb or normal to the top flange.

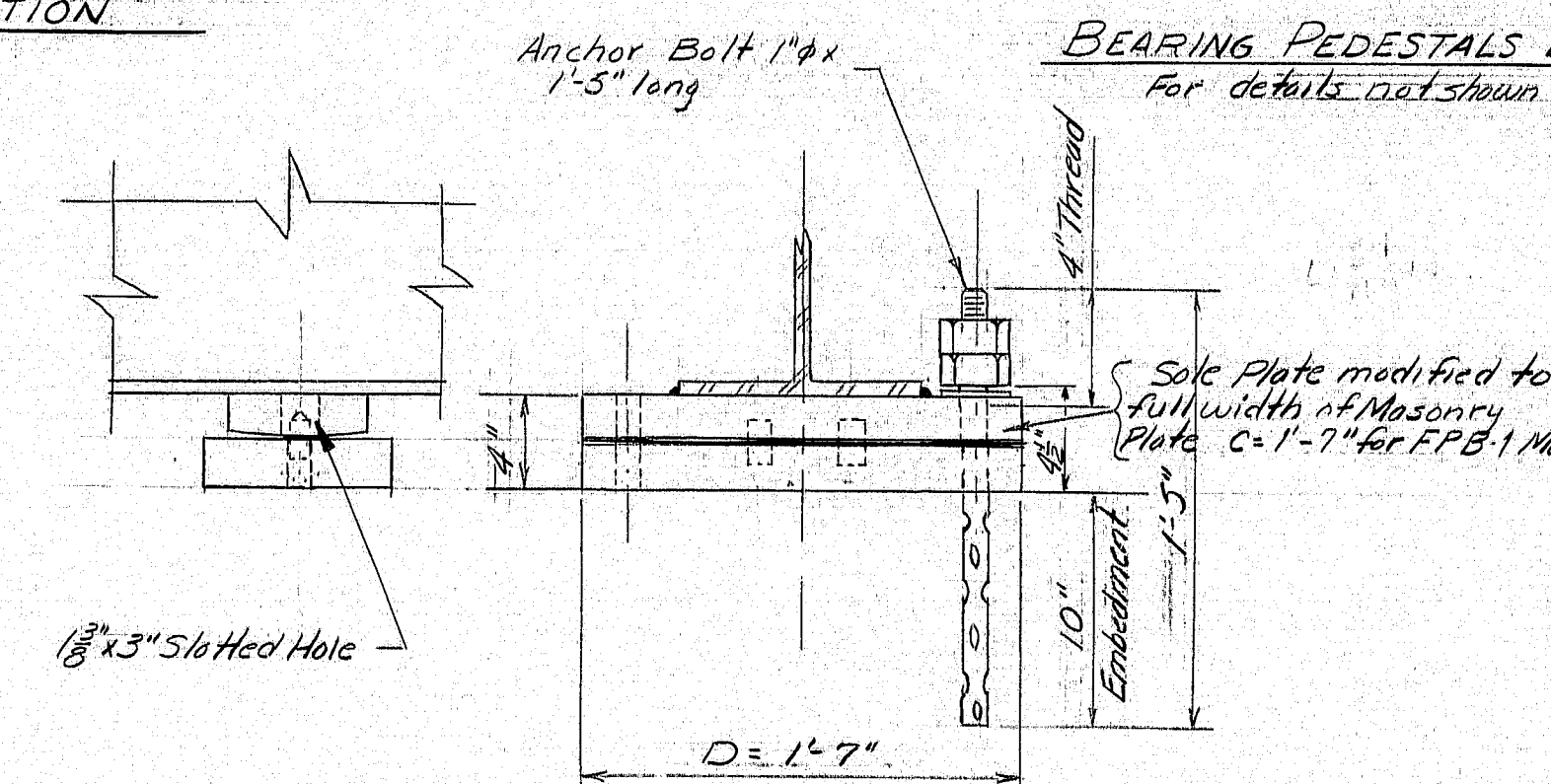


STEEL CLASSIFICATION
 ASTM A325-H.S. Bolts 13,500 p.s.i.
 ASTM A572 Grade 50 - W 27 x 146 52,700 p.s.i.
 ASTM A36 - All Other Structural Steel 20,000 p.s.i.

REFERENCES
 BEARING PEDESTALS BD-101-74
 SHEAR CONNECTORS BD-104-77
 DIAPHRAGMS BD-113-78



BEARING PEDESTALS EPB-1 MODIFIED
 For details not shown refer to BD-101-74



BEARING PEDESTALS FPB-1 MODIFIED
 For details not shown refer to BD-101-74

"As Built" and
 FOR BOTTOM OF SLAB ELEVATIONS
 SEE SHEET NO. 14

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION

MARSH BRIDGE
 OVER
 MARSH STREAM
 IN THE TOWN OF
 PROSPECT
 WALDO COUNTY

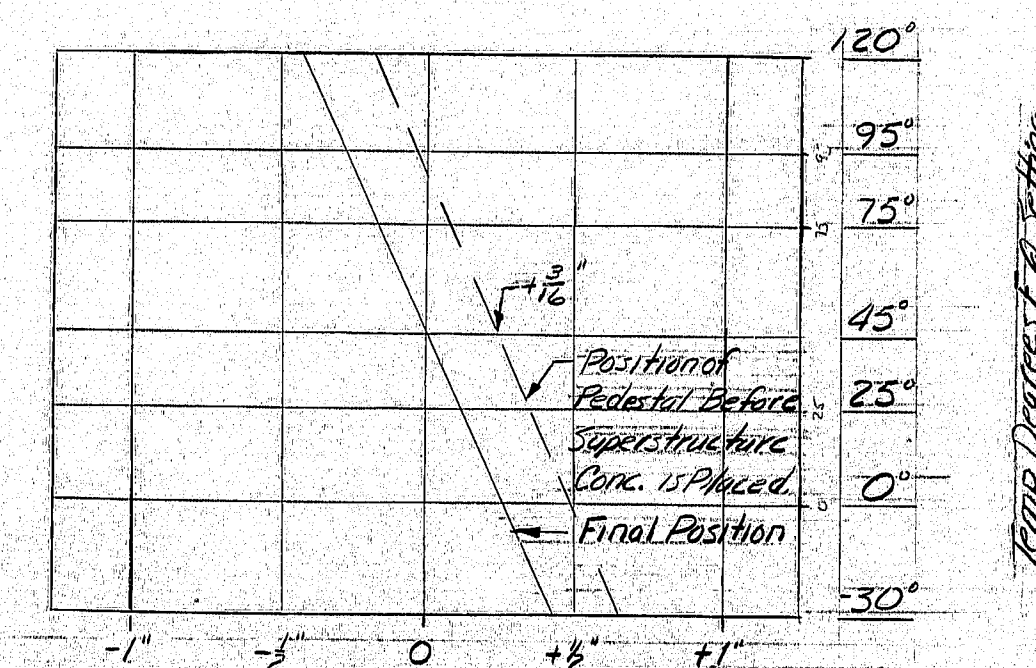
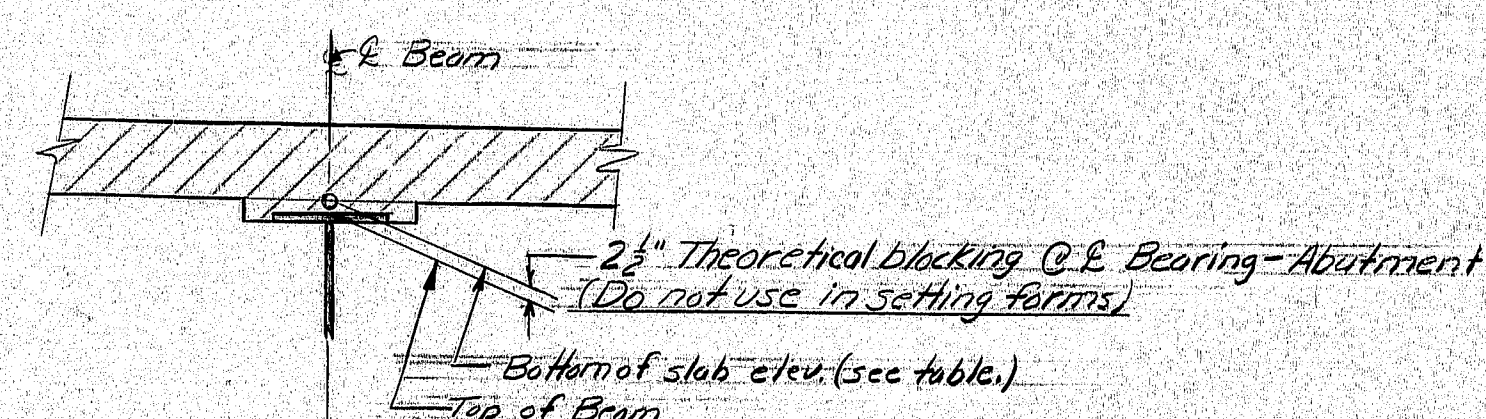
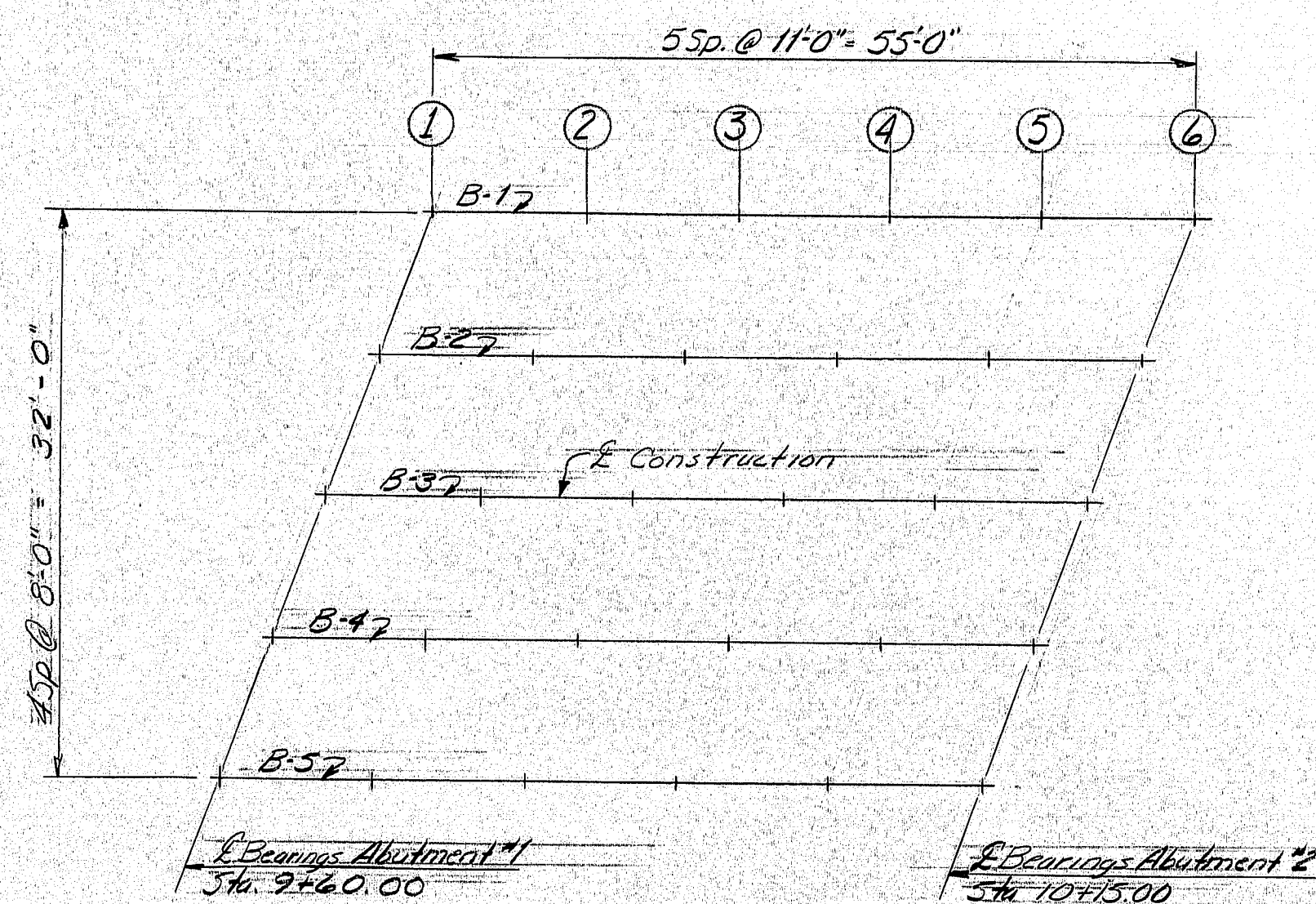
FRAMING PLAN

SHEET 13 OF 27 AUGUSTA, MAINE Sept. 1978

173-36

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN DETAIL	WJL/EPH	5-76
CHECKED	REVISIONS	
PLANS	FIELD CHANGES	

F.H.A. RES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	14	27



(-) Minus dimensions indicate position change toward Abutment #2 backwall

Rocker Bearing Setting

This table of bearing settings compensates for longitudinal movement due to temperature changes and dead load deflection.

Note: Rocker setting data as shown shall be used as a guide only. No extra payment will be made for resetting of the rocker bearing subsequent to the original setting made by the contractor as required by Engineer to make the rocker setting conform with Paragraph four (4) of Subsection 504.55.

Bottom of Slab Elevations						
Span Points	1	2	3	4	5	6
B-1 & B-5	14.88	14.95	14.99	14.99	14.95	14.88
B-2 & B-4	15.04	15.11	15.15	15.15	15.11	15.04
B-3	15.21	15.28	15.32	15.32	15.28	15.21
Dead Load Deflection Points (in feet)						
Span Points	1	2	3	4	5	6
Superimp	0.000	0.003	0.005	0.005	0.003	0.000
Steel	0.000	0.010	0.016	0.016	0.010	0.000
Fluid	0.000	0.065	0.105	0.105	0.065	0.000

Note: Before taking elevations on the tops of the beams for purpose of setting bottom of slab elevations the welding of shear connectors to the beams and the diaphragm connections to the beams shall have been completed.

PROJECT DESIGN ENGINEER	DATE
W. J. P. P. P.	5-78
DESIGN DETAIL	PLANS
CHECKED	REVISIONS
FIELD CHANGES	

As Built
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY

BOTTOM OF SLAB ELEVATIONS

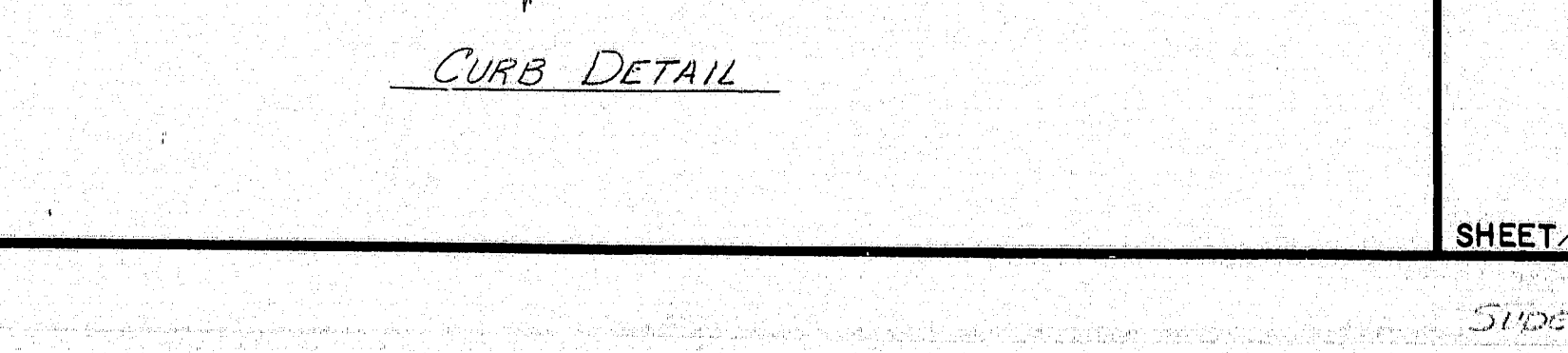
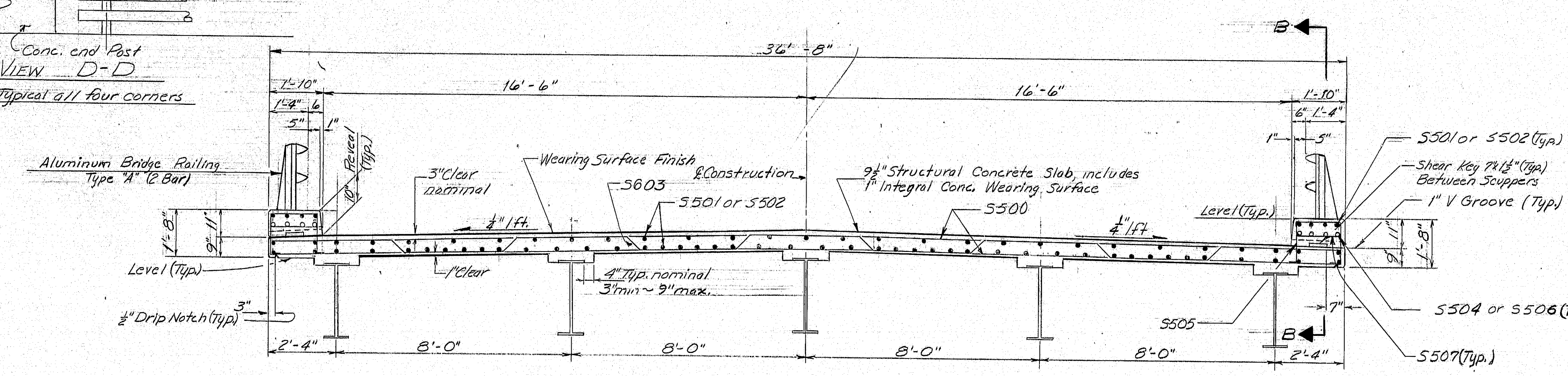
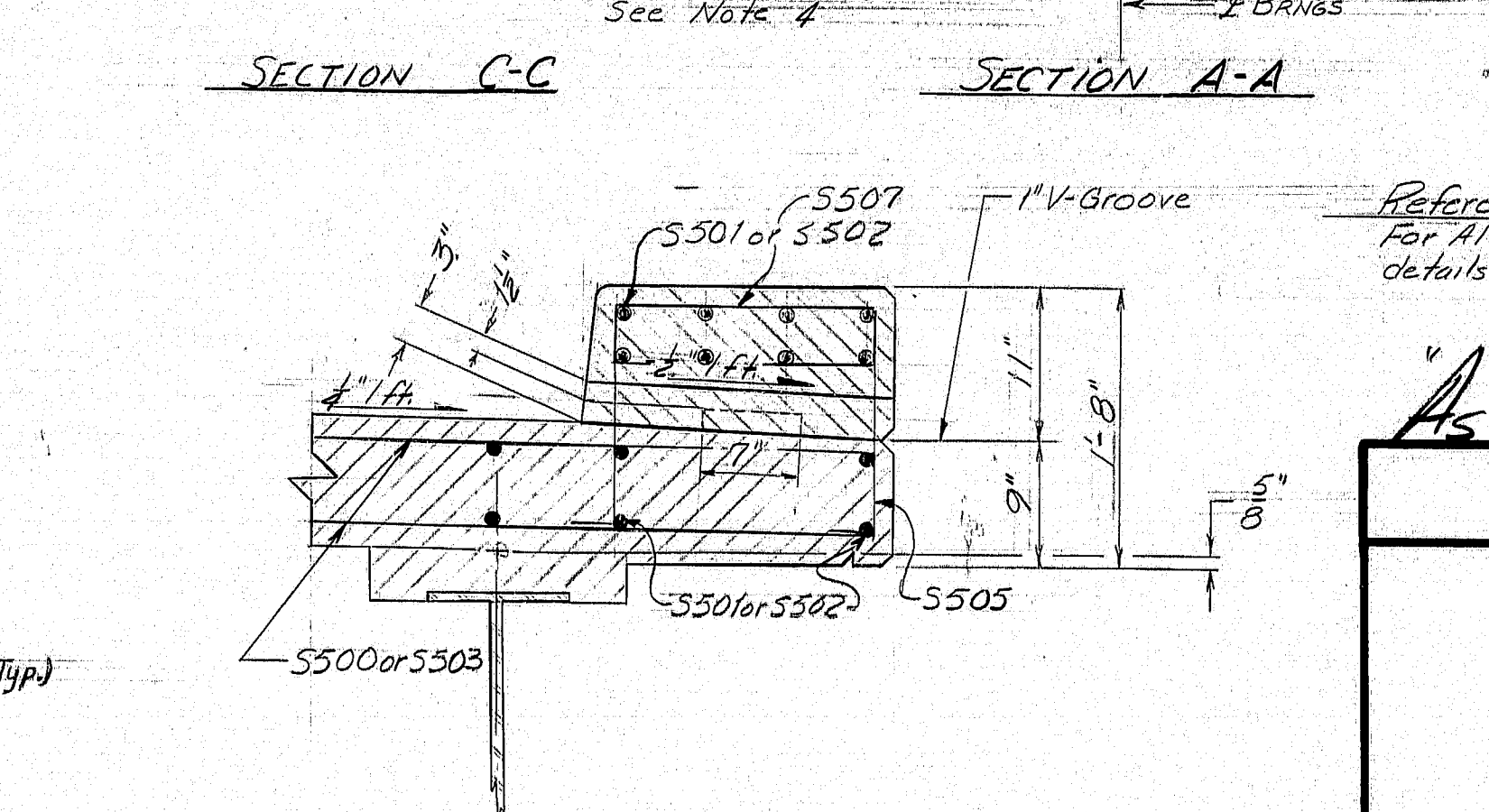
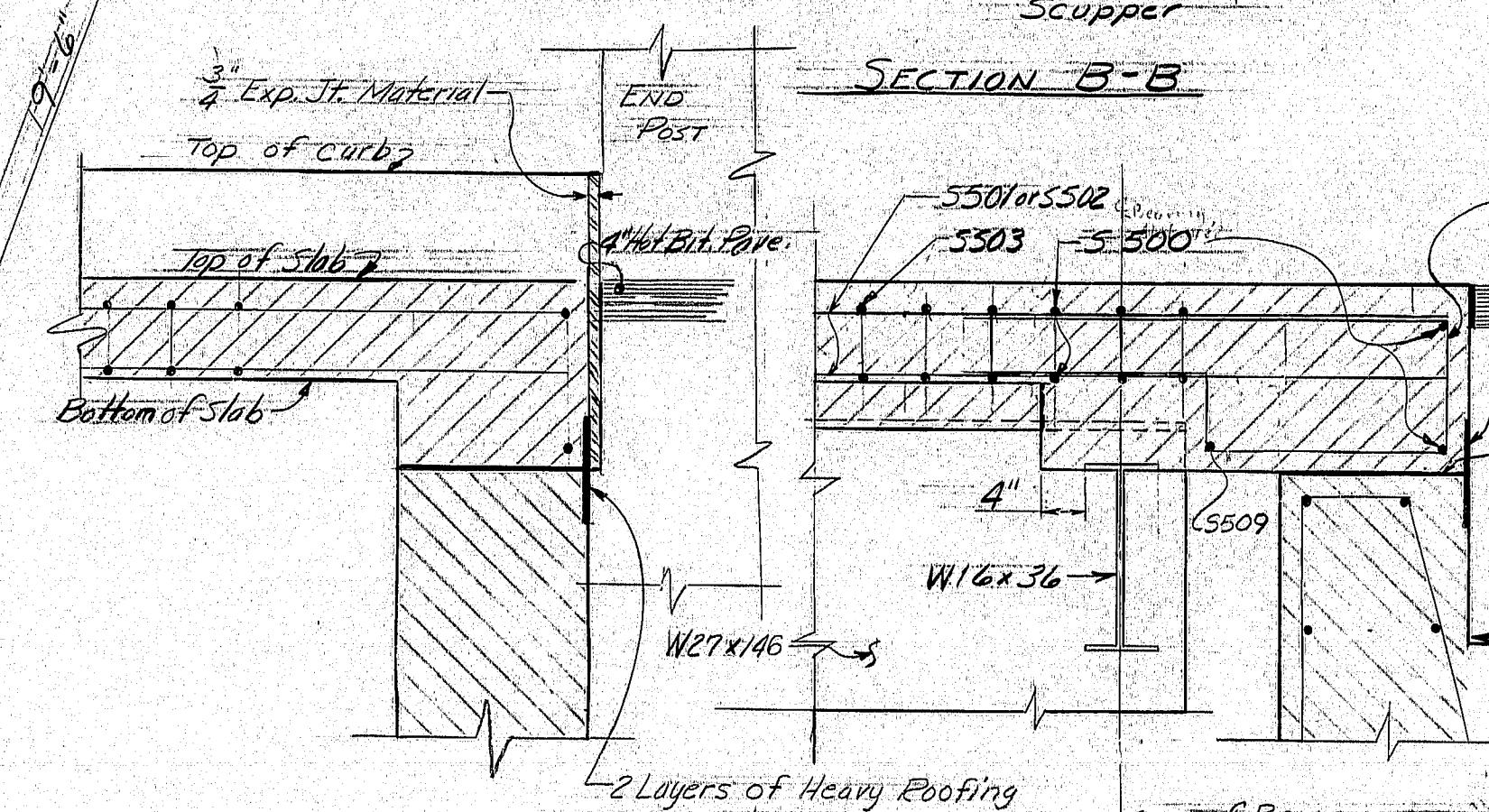
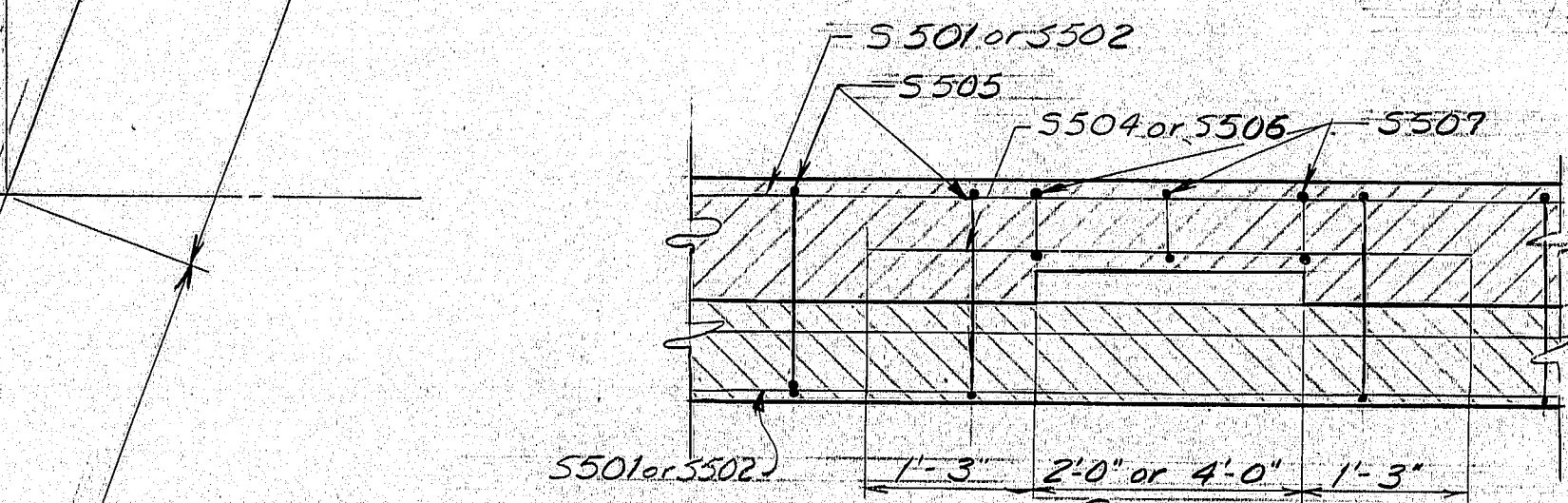
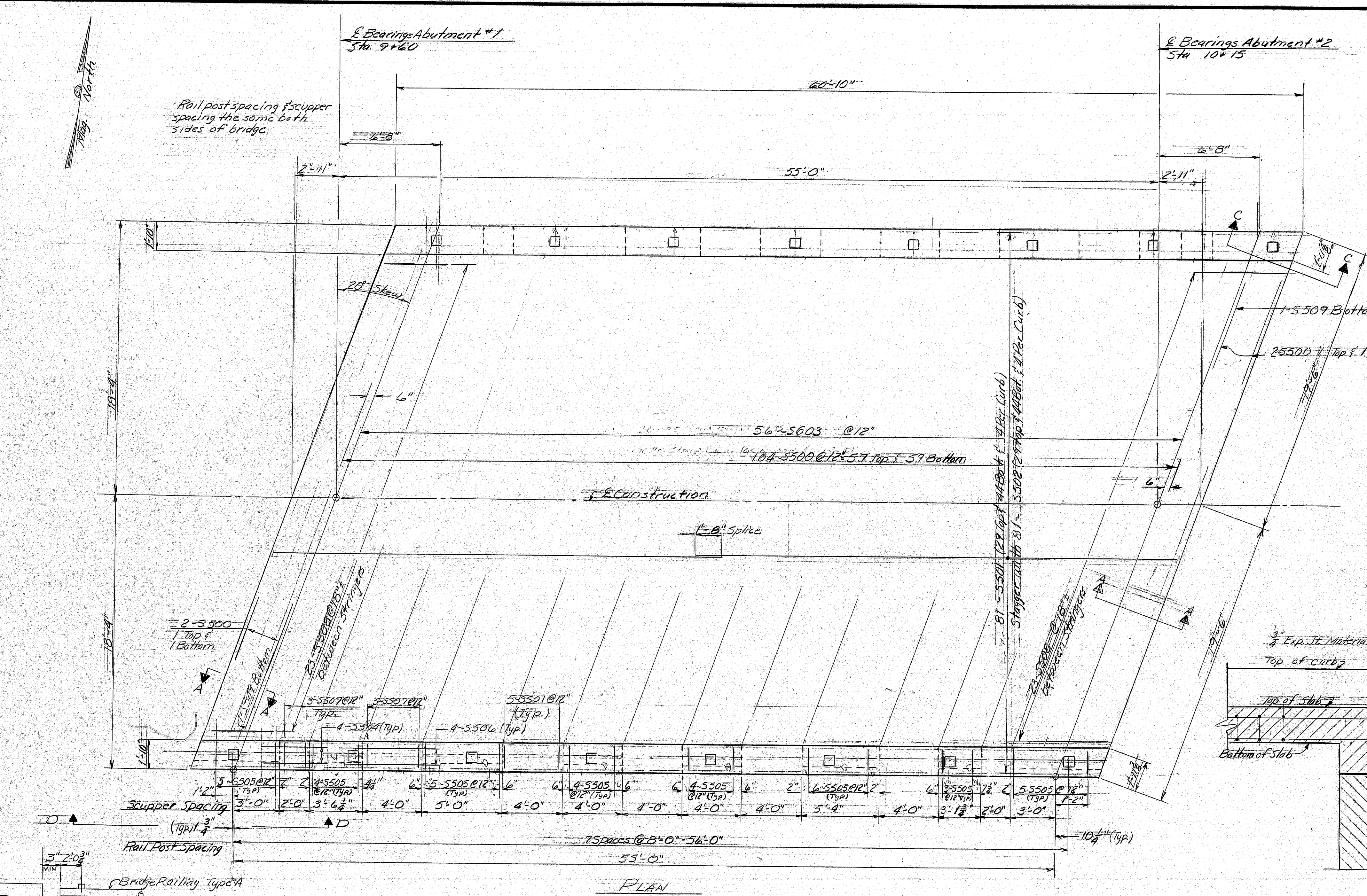
SHEET 14 OF 27 AUGUSTA, MAINE Sept. 1978

173-37

R.H.A. REV. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	142(504)	15	27

SUPERSTRUCTURE NOTES

- (1) Chamfer all exposed edges of concrete a consistent dimension between 1/2" and 3/4" inclusive, unless otherwise indicated.
- (2) Reinforcing steel shall have a minimum cover of 2 inches unless otherwise indicated.
- (3) "Protective Coating for Concrete Surfaces" shall be applied to the following areas: Concrete wearing surface, the inside face and top of curb and outside fascia and under the drip notch, all concrete inside of the scuppers, and ends of slab from top of slab to heavy roofing.
- (4) On the backface of Abutments, "Superstructure Slab" cover the vertical and horizontal joints between the top of the backwall and the slab with 2 layers of Heavy Roofing, 10" wide. Coat the concrete and back of each layer of roofing as applied with plastic finishing cement. Recess the area covered 1/2 inch.
- (5) The superstructure slab shall be placed continuously. The contractor's method of placement shall be approved by the Engineer. Approved set retarding admixtures shall be used when authorized by the Engineer.



References
For Aluminum Bridge Railing - Type "A"
details see Standard Details BD/14-77

As Built Draw
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY
SUPERSTRUCTURE

SHEET 15 OF 27 AUGUSTA, MAINE Sept. 1978

173-38

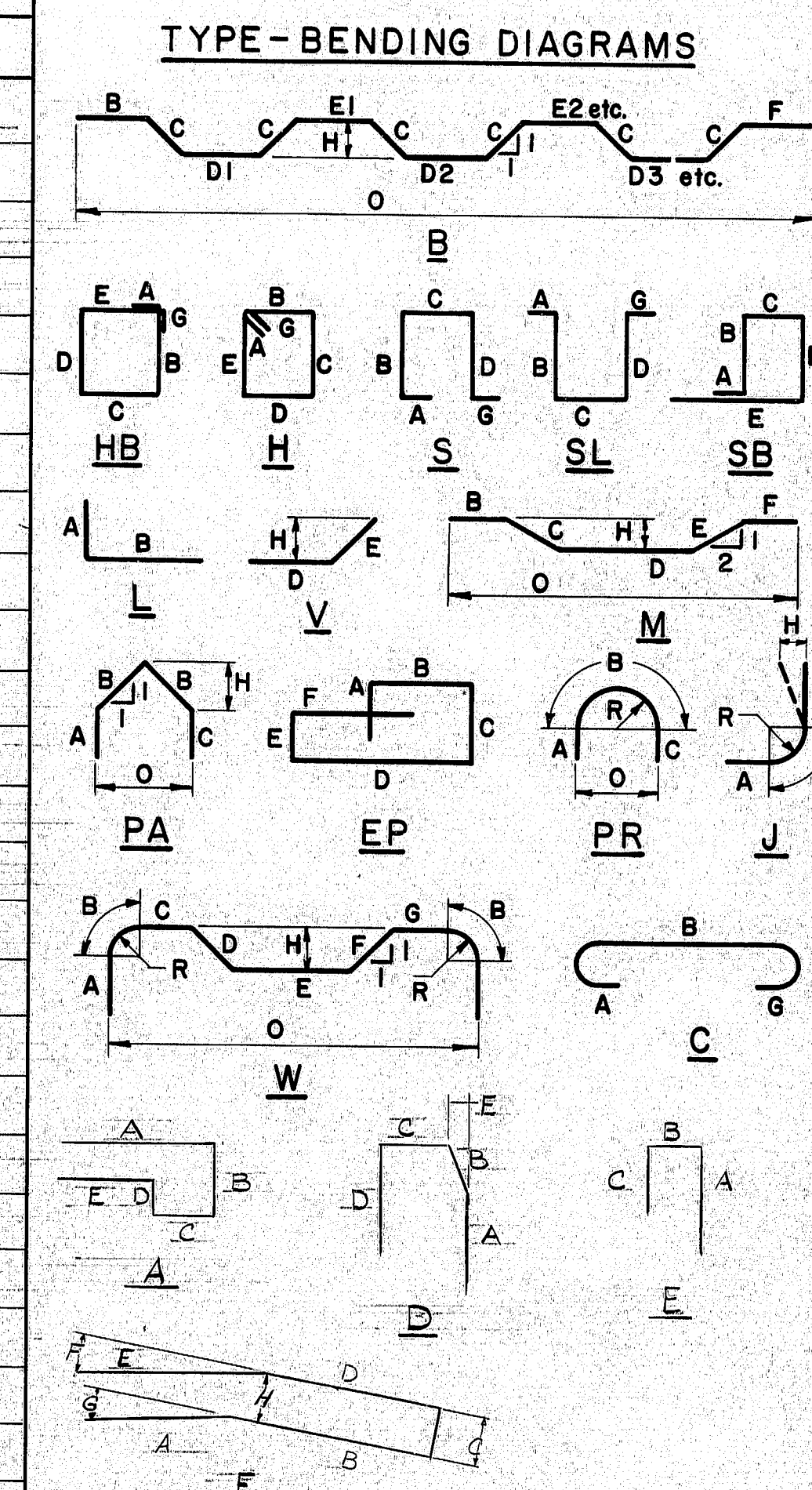
PROJECT DESIGN ENGINEER	DATE
W. J. [Signature]	2-76
DESIGN - CHECKED	DATE
[Signature]	5-76
REVISIONS	DATE
1. [Signature]	5-76
FIELD CHANGES	DATE

JANUARY 1988

REINFORCING STEEL SCHEDULE

REINFORCING STEEL SCHEDULE																										
STRAIGHT BARS													BENT BARS													
MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	LOCATION	MARK	NO.	LENGTH	TYPE	A	B	C	D	E	F	G	H	O	R	LOCATION
Abutments #1 & 2													Abutment #1 & 2													
A401	6	22'-2"										A502	50	72'-3"	D	4'-9"	2'-3"	10'	4'-3"	9"						
A402	6	15'-9"										A503	52	8'-6"	L	3'-9"	4'-9"									
A403	6	22'-9"																								
A404	6	15'-5"																								
Wings #1 & 2													Wings #1 & 2													
A504	8	23'-7"						A513	20	8'-11"		A510	6	10'-10"	F	-	5'-4"	-	3'-11"	10"	2'-1/2"	-	1'-8 1/2"			Wing #2 Only
A505	8	14'-7"						A514	20	8'-10"		A511	16	8'-0"	E	3'-7"	1'-0"	3'-5"								Both Wings
A506	4	22'-9"										A512	14	13'-11"	F	1'-5"	5'-3"	1'-0"	3'-10"	2'-5"	10"	2"	1'-8 1/2"			Wing #2 Only
A507	4	15'-1"										A518	14	15'-2"	F	1'-5"	5'-3 1/2"	1'-0"	3'-9"	3'-8"	1'-0"	2'-4"	1'-8 1/2"			Wing #1 Only
A508	8	22'-2"										A519	6	11'-11"	F	0	5'-2"	1'-0"	3'-9 1/2"	2'-0 1/2"	7"	-	1'-8 1/2"			Wing #1 Only
A509	8	16'-0"										A520	4	12'-6"	H	4"	1'-0"	4'-11"	1'-0"	4'-11"	-	4"				Wing #2 Only
												A522	8	8'-6"	E	3'-0"	1'-0"	3'-8"								Both Wings
												A523	4	12'-8"	H	4"	1'-0"	5'-0"	1'-0"	5'-0"	-	4"				Wing #1 Only
Footing Abuts #1 & 2																										
A501	102	4'-1"																								
A600	160	5'-9"																								
A601	28	20'-0"																								
A602	28	21'-2"																								
Superstructure													Superstructure													
Approach Slabs																										
								5500	118	38'-8"	Slab	5603	56	40'-1"	B		4'-4"	7'-3"	3'-5 1/2"	4'-7 1/2"	4'-4"		5'-1/2"	38'-1/2"		Slab
								5501	81	30'-0"	"							8"	4"	3"						
								5502	81	32'-2"	Slab	5505	72	5'-7"	S	6"	1'-4"	1'-5"	1'-4"			6"				Stirrup Curb
A5405	32	33'-6"						5504	16	4'-6"	Curb	5507	62	4'-2"	HB	4"	4"	1'-5"	4"	1'-5"		4"				Scupper Curb
A5604	136	15'-0"						5508	40	6'-6"	Curb	5508	46	5'-5"	A	4'-7"	11"	7'-7"	5'-8"	2'-1 1/2"						End of Slab
								5509	2	33'-0"	Slab															

FHWA	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
RES. NO.	MAINE	742(504)	16	21



All dimensions are out to out of reinf. bar.
 Bending details and hooks shall conform to the recommendations of ACI Standard 315-65.
 Reinforcing Bar: ASTM A615 Grade 60

- GENERAL NOTES
- First digit(s) following the letter of the Mark indicates size of reinf. bar.
 Mark (A 502) bar size - #5
 Mark (A51001) bar size - #10
 Mark (5603) bar size - #6
 - Letter of Marks A, S & AS locates bars of Abutment #1, Abutment #2, Superstructure, and Approach Slab parts respectively.

As Built

STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION

MARSH BRIDGE
 OVER
 MARSH STREAM
 IN THE TOWN OF
 PROSPECT
 WALDO COUNTY
 REINFORCING STEEL SCHEDULE

SHEET 16 OF 21 AUGUSTA, MAINE Sept. 1976

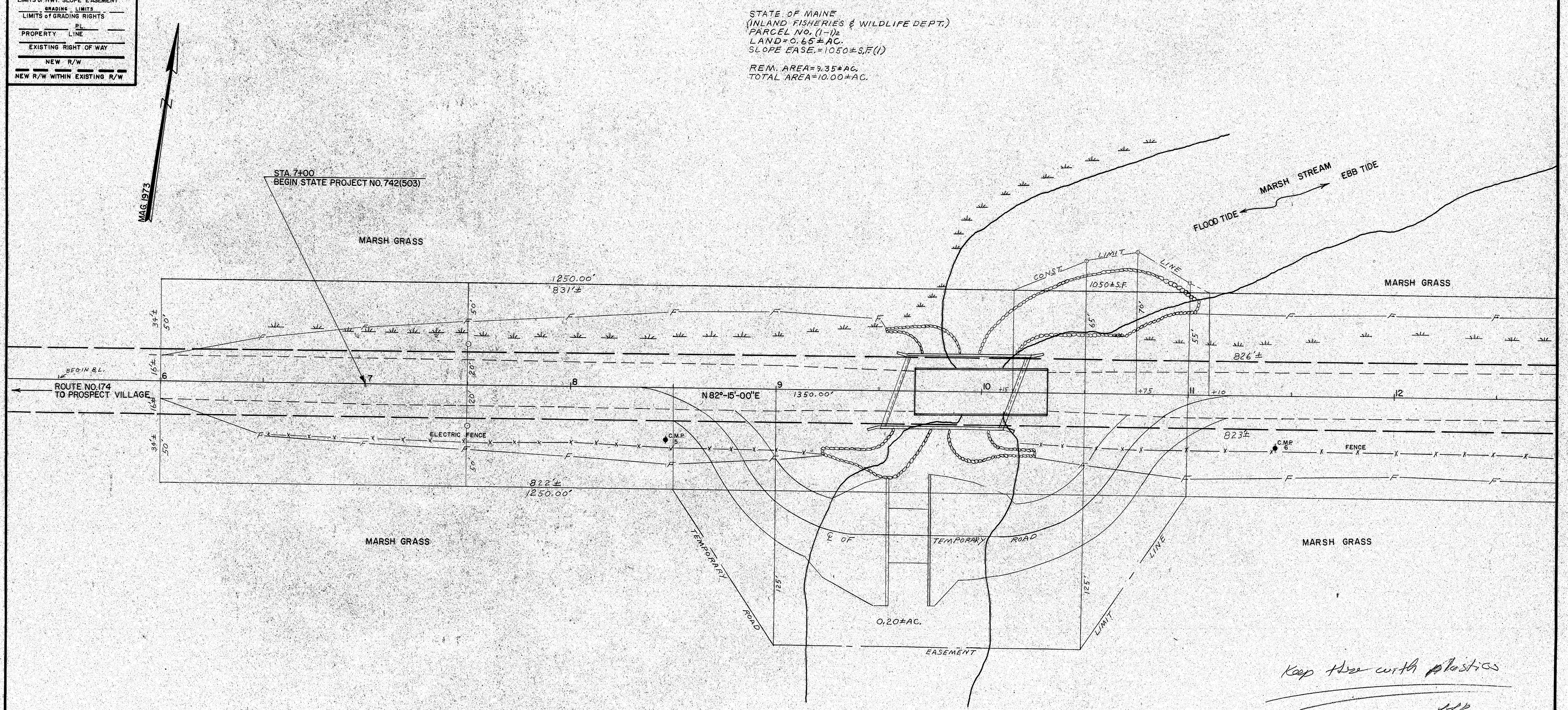
173-39

SYMBOLS	
• I.P. (IRON PIPE OF PIN)	
○ SEPTIC TANK	○ CESSPOOL
○ WELL	○ SPRING
W.L.	WATER LINE OF MAIN
S.L.	SEWER LINE
C.D.	CELLAR DRAIN
—	UNDERGROUND WIRE OR CABLE
---	LIMIT LINE
---	LIMITS OF HWY. SLOPE EASEMENT
---	GRADING LIMITS
---	LIMITS OF GRADING RIGHTS
PL	PROPERTY LINE
---	EXISTING RIGHT OF WAY
---	NEW R/W
---	NEW R/W WITHIN EXISTING R/W

ITEM	FIGURED	PLOTTED	CHECKED
BASE LINE			
TOPOGRAPHY			
R/W LINES	J.R.F.	J.R.F.	A.C.G.
AREAS	J.R.F.	J.R.F.	P.A.T.
R/W MON.	J.R.F.	J.R.F.	W.E.B.
CO. RECORD			

REVISIONS		
NO.	DATE	DESCRIPTION

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		742(504)	17	29



STATE OF MAINE
(INLAND FISHERIES & WILDLIFE DEPT.)
PARCEL NO. (1-1)2
LAND=0.65±AC.
SLOPE EASE=1050±S.F.(1)
REM. AREA=3.35±AC.
TOTAL AREA=10.00±AC.

STATE OF MAINE
(INLAND FISHERIES & WILDLIFE DEPT.)
PARCEL NO. (1-2)2
LAND=0.69±AC.
TEMP. ROAD EASE=0.20±AC(1)
REM. AREA=16.36±AC.
TOTAL AREA=17.00±AC.

EXISTING R/W
FROM STA 5+50 TO STA 19+00
SEE WALDO COUNTY RECORDS
VOL. 2, PG. 45
FROM STA 9+63 TO STA 10+37
SEE WALDO COUNTY RECORDS
VOL. 2, PG. 117

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

○ SURVEY MONUMENT — R/W MONUMENT NOT INSTALLED — R/W MONUMENT INSTALLED

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
RIGHT OF WAY MAP
STATE HIGHWAY "742"
PROSPECT (MARSH BRIDGE) 4 WALDO COUNTY
STATE PROJECT NO. 742(503)

APPROVED:
DATE: 19
SCALE: 1 INCH = 25 FEET
SHEET NO. 1 OF 2 SHEETS
D.O.T. FILE NO. 14-114

ROGER L. MALLAR COMMISSIONER
RICHARD A. LUETTICH BUREAU DIRECTOR
CHIEF ENGINEER

173-40

SYMBOLS	
• I.P. (IRON PIPE OR PIN)	
○ SEPTIC TANK	○ CESSPOOL
○ WELL	○ SPRING
— WATER LINE OF MAIN	
— SEWER LINE	
— C.D.	
— CELLAR DRAIN	
— UNDERGROUND WIRE OR CABLE	
— COMB. — LIMIT LINE	
— LIMITS OF HWY. SLOPE EASEMENT	
— GRADING LIMITS	
— LIMITS OF GRADING RIGHTS	
— PL —	
— PROPERTY LINE	
— EXISTING RIGHT OF WAY	
— NEW R/W	
— NEW R/W WITHIN EXISTING R/W	

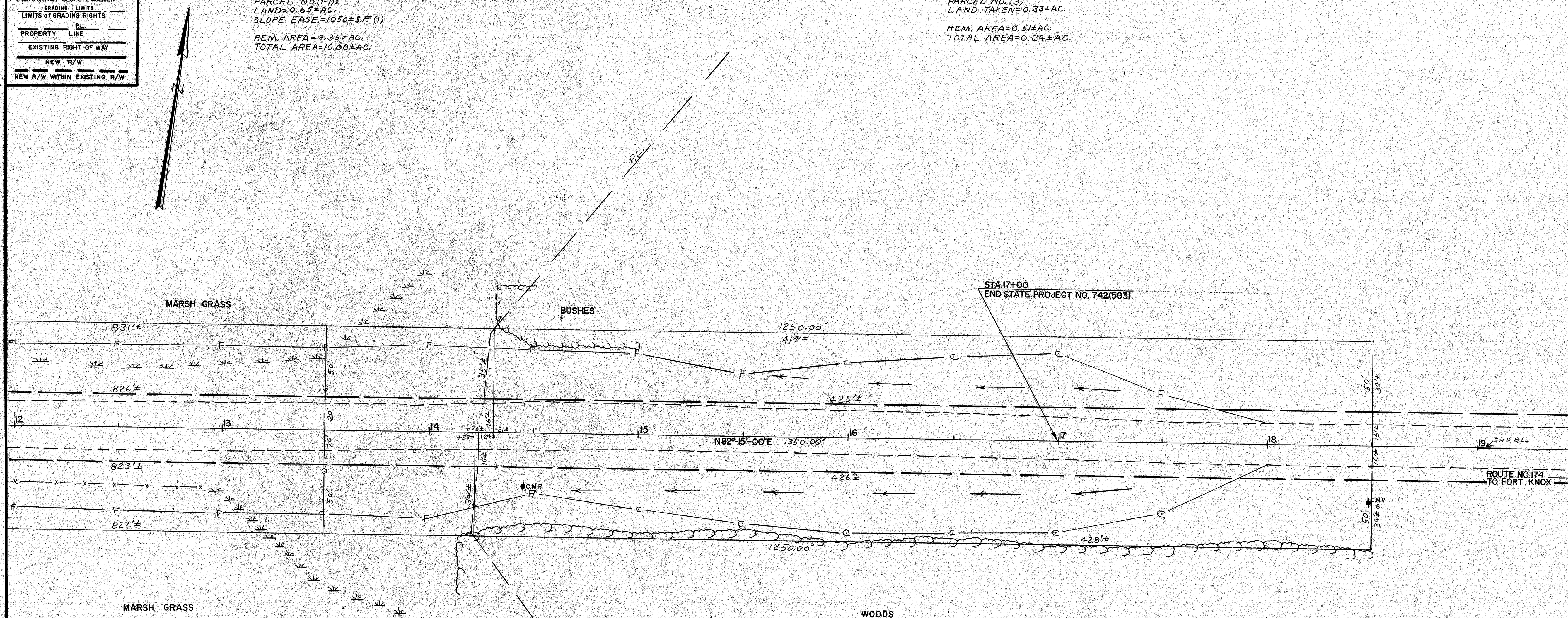
ITEM	FIGURED	PLOTTED	CHECKED
BASE LINE			
TOPOGRAPHY			
R/W LINES	J.R.F.	J.R.F.	A.C.G.
AREAS	J.R.F.	J.R.F.	P.A.T.
R/W MON.	J.R.F.	J.R.F.	W.E.B.
CO. RECORD			

REVISIONS			BY
NO.	DATE	DESCRIPTION	

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
		742(504)	18	27

STATE OF MAINE
(INLAND FISHERIES & WILDLIFE DEPT.)
PARCEL NO. (1-1)
LAND=0.65±AC.
SLOPE EASE=1050±5.F(1)
REM. AREA=9.35±AC.
TOTAL AREA=10.00±AC.

ERNEST J. GODDARD
PARCEL NO. (3)
LAND TAKEN=0.33±AC.
REM. AREA=0.51±AC.
TOTAL AREA=0.84±AC.



STATE OF MAINE
(INLAND FISHERIES & WILDLIFE DEPT.)
PARCEL NO. (1-2)
LAND=0.64±AC.
TEMP. ROAD EASE=0.20±AC.(1)
REM. AREA=16.36±AC.
TOTAL AREA=17.00±AC.

MARY A. GRINDLE
ROYCE C. GRINDLE
JANICE F. GRINDLE
GREG A. GRINDLE
PARCEL NO. (2)
LAND TAKEN=0.33±AC.
REM. AREA=19.30±AC.
TOTAL AREA=19.63±AC.

EXISTING R/W
FROM STA 5+50 TO STA 19+00
SEE WALDO COUNTY RECORDS
VOL. 2, PG. 45
FROM STA 9+63 TO STA 10+37
SEE WALDO COUNTY RECORDS
VOL. 2, PG. 117

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

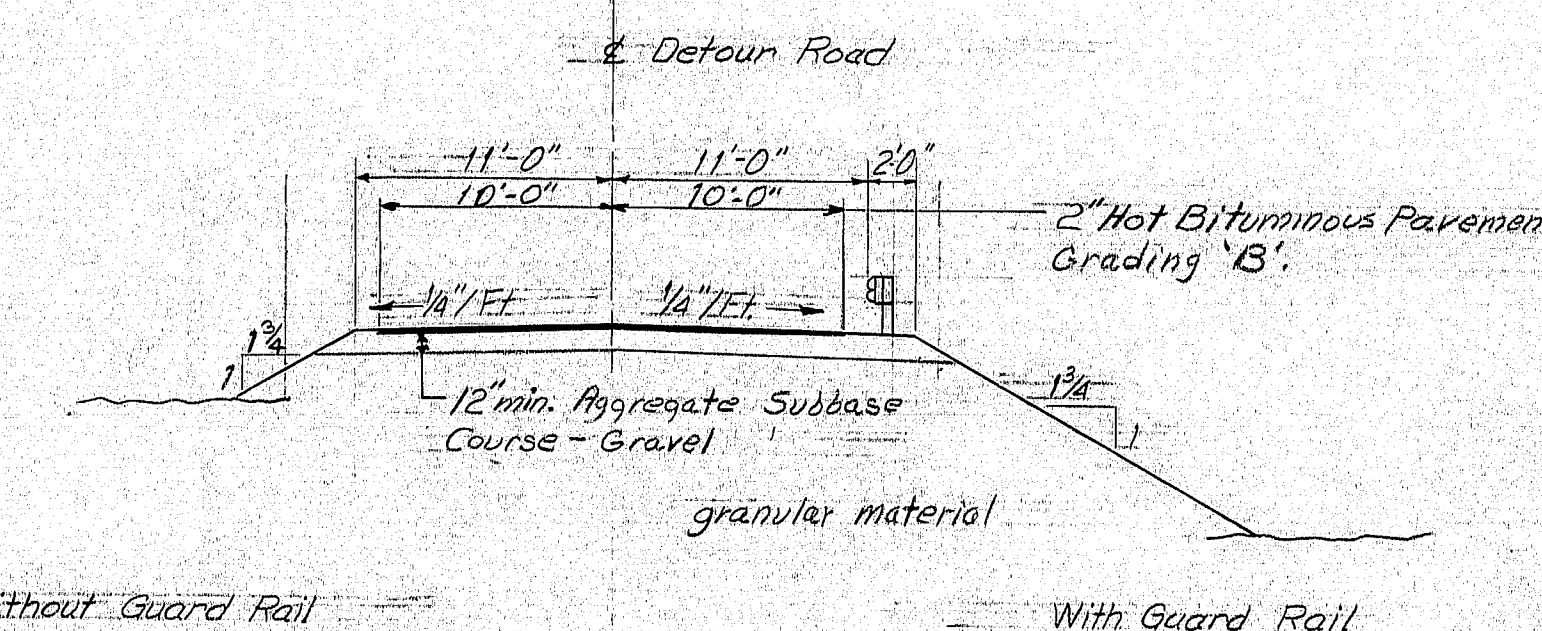
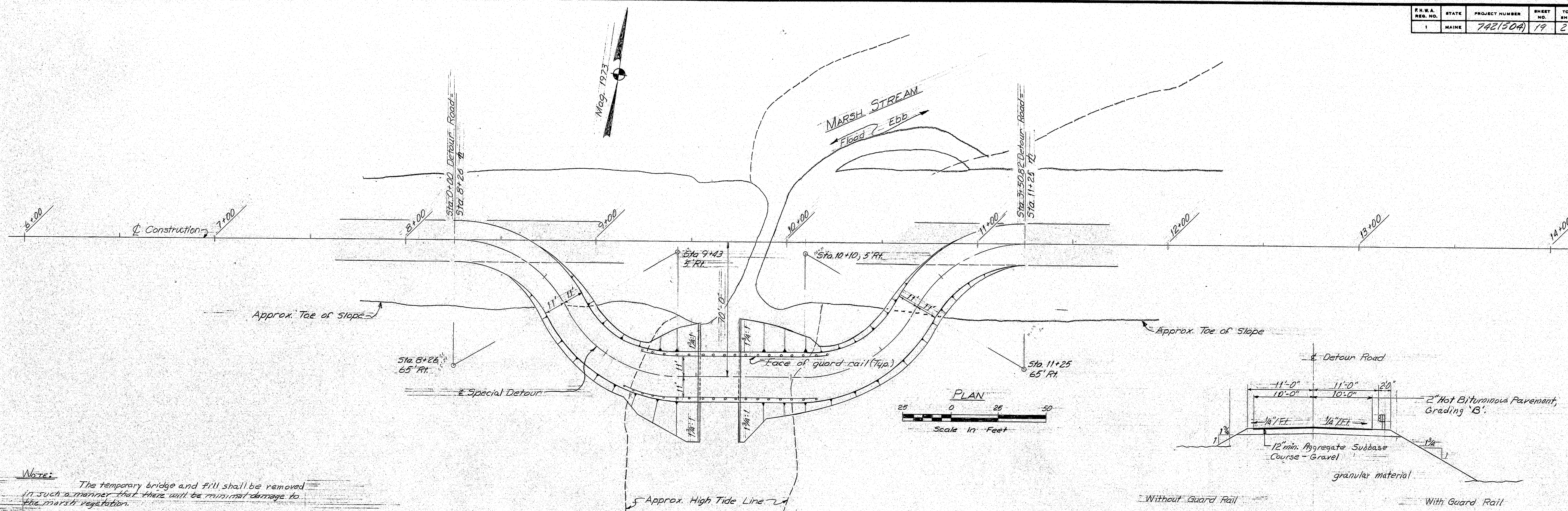
○ SURVEY MONUMENT — R/W MONUMENT NOT INSTALLED — R/W MONUMENT INSTALLED

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAYS
RIGHT OF WAY MAP
STATE HIGHWAY 742
PROSPECT (MARSH BRIDGE) ↑ WALDO COUNTY
STATE PROJECT NO. 742(503)

DATE: 19 APPROVED:
SCALE: 1 INCH = 25 FEET ROGER L. MALLAR COMMISSIONER
RICHARD A. LUETTICH BUREAU DIRECTOR
SHEET NO. 1 OF 2 SHEETS
D.O.T. FILE NO. 14-114 CHIEF ENGINEER

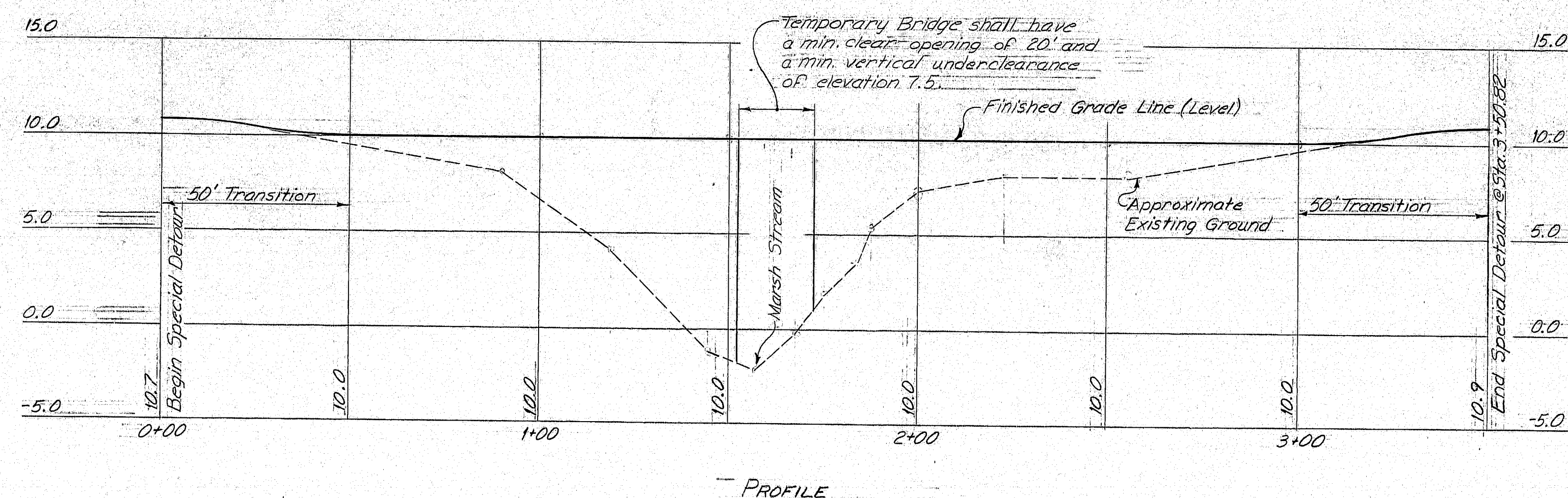
173-41

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(30A)	19	27



TYPICAL DETOUR APPROACH SECTION

Notes:
The temporary bridge and fill shall be removed in such a manner that there will be minimal damage to the marsh vegetation.



Note: Temporary fills shall be protected against wash out as directed by the Engineer.
Fill material in the temporary detour shall be of a granular material.
Temporary Detour Pavement shall consist of 2" of Hot Bituminous Pavement Grading 'B' meeting the gradation limits as specified in the Supplemental Specifications, Section 703, Aggregates, dated April 27, 1972.
Payment for all Hot Bituminous Pavement Grading 'B' and Aggregate Subbase Course - Gravel necessary in the construction of the Special Detour will be included in the lump sum payment for Item 510.10 "Special Detour, 22 Foot Roadway Width Vehicular and Pedestrian Traffic Not Separated."

"As Built" *ad*

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

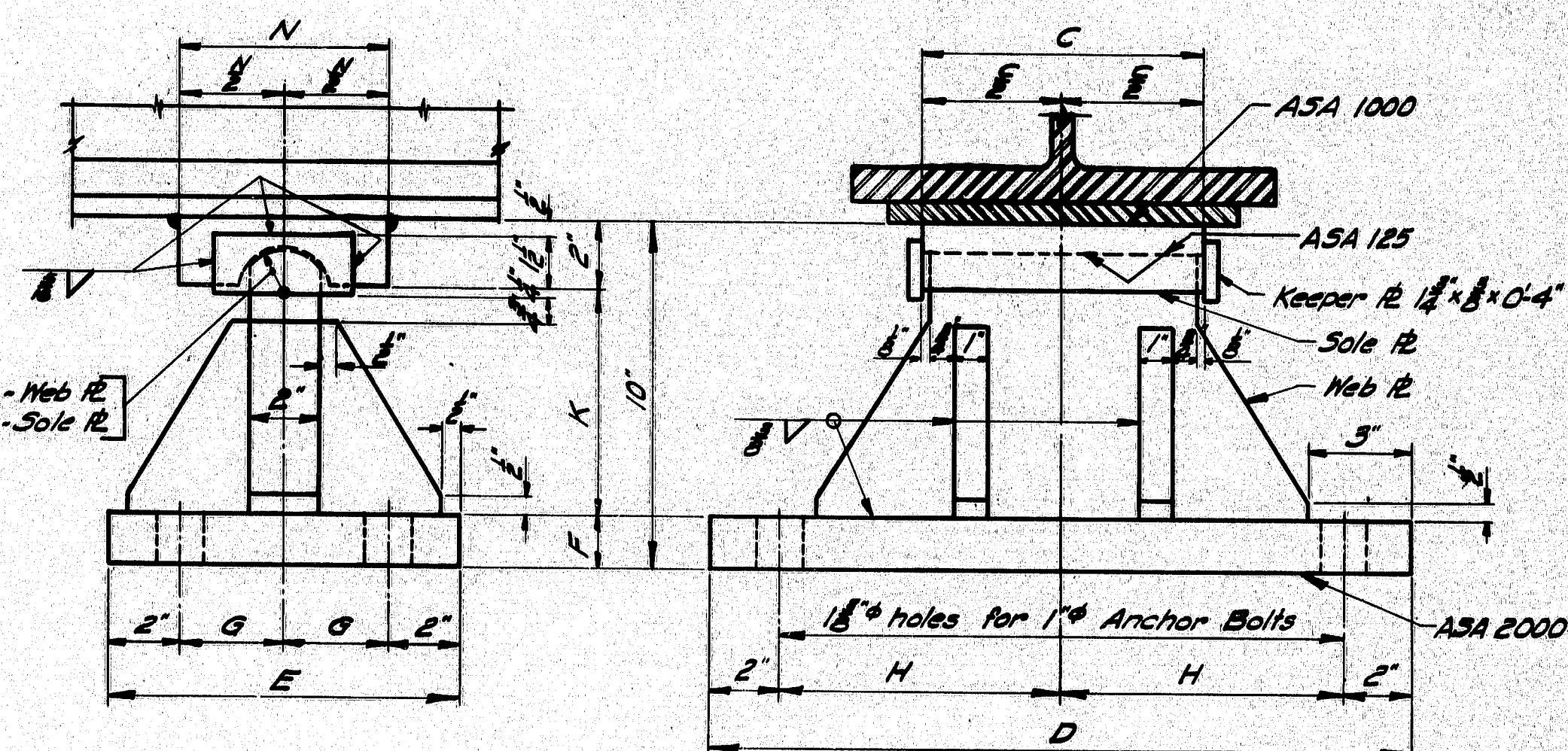
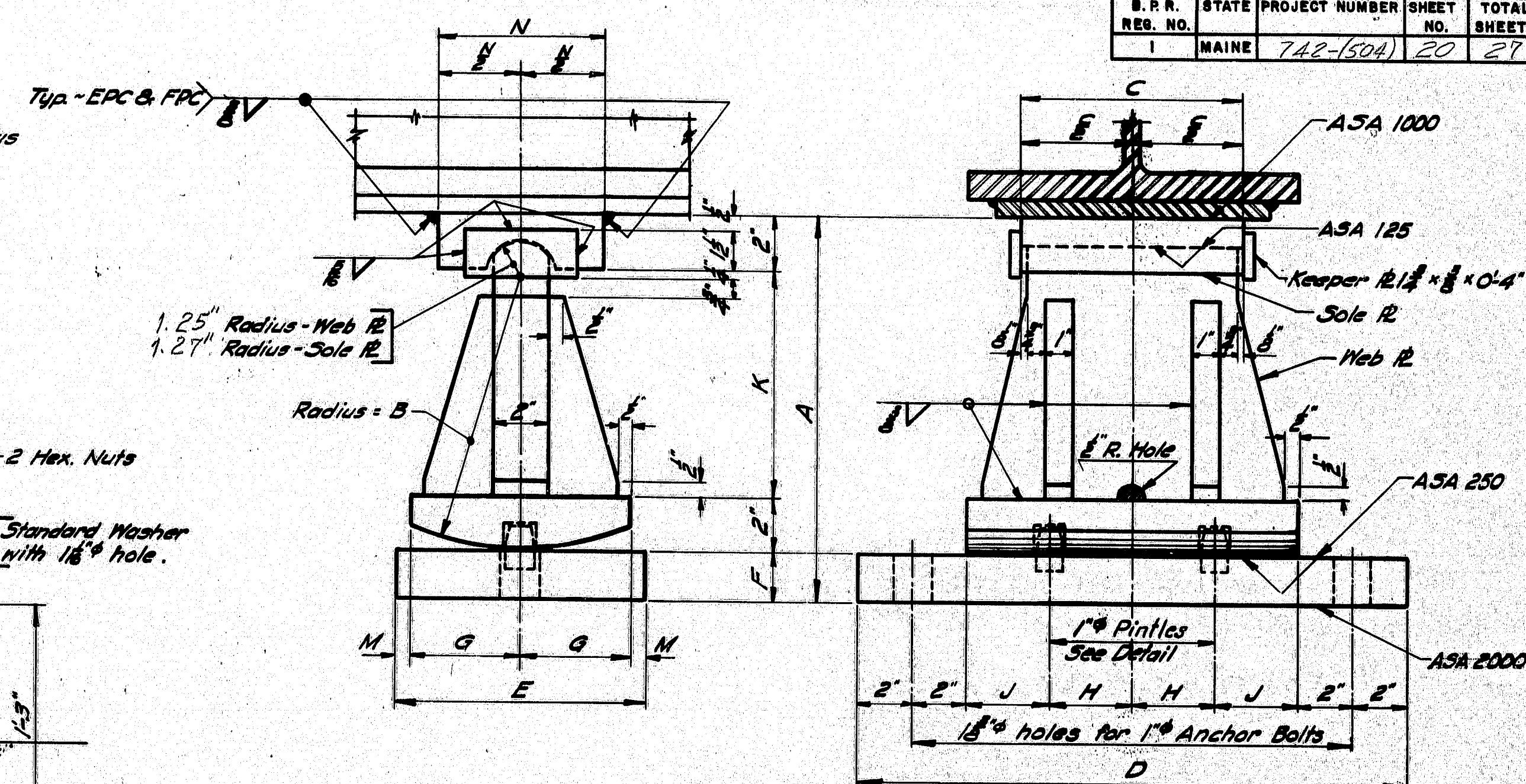
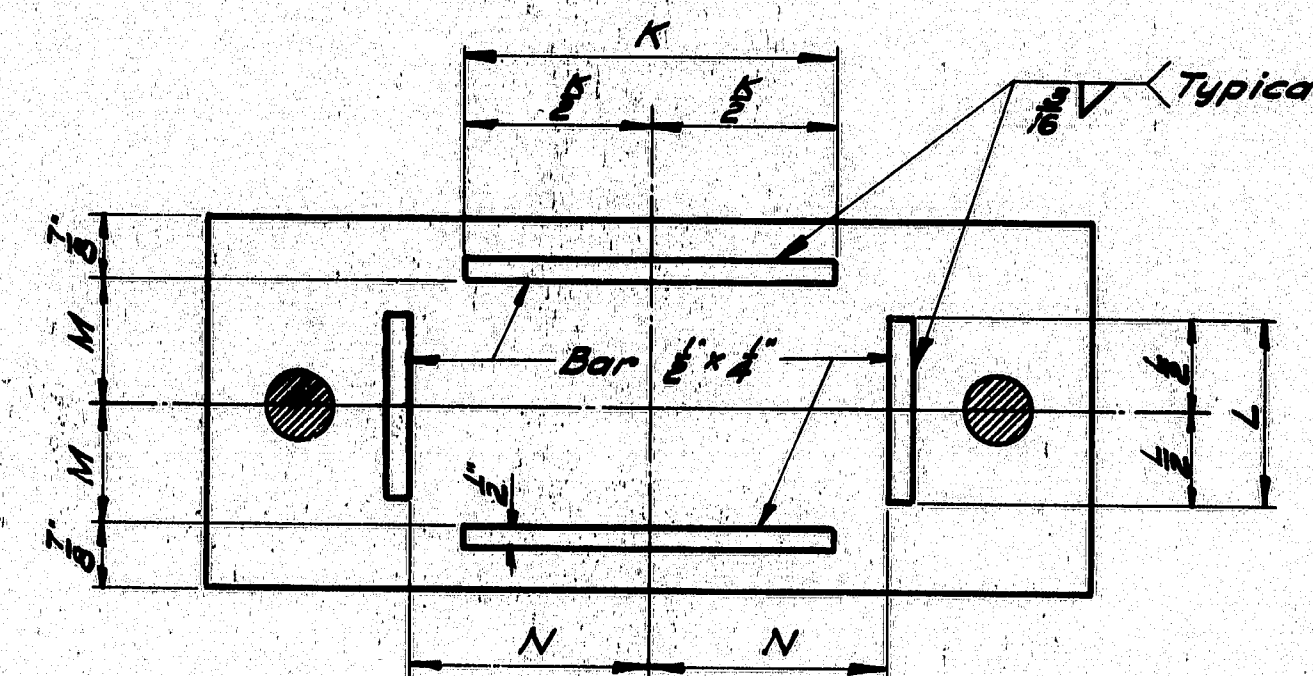
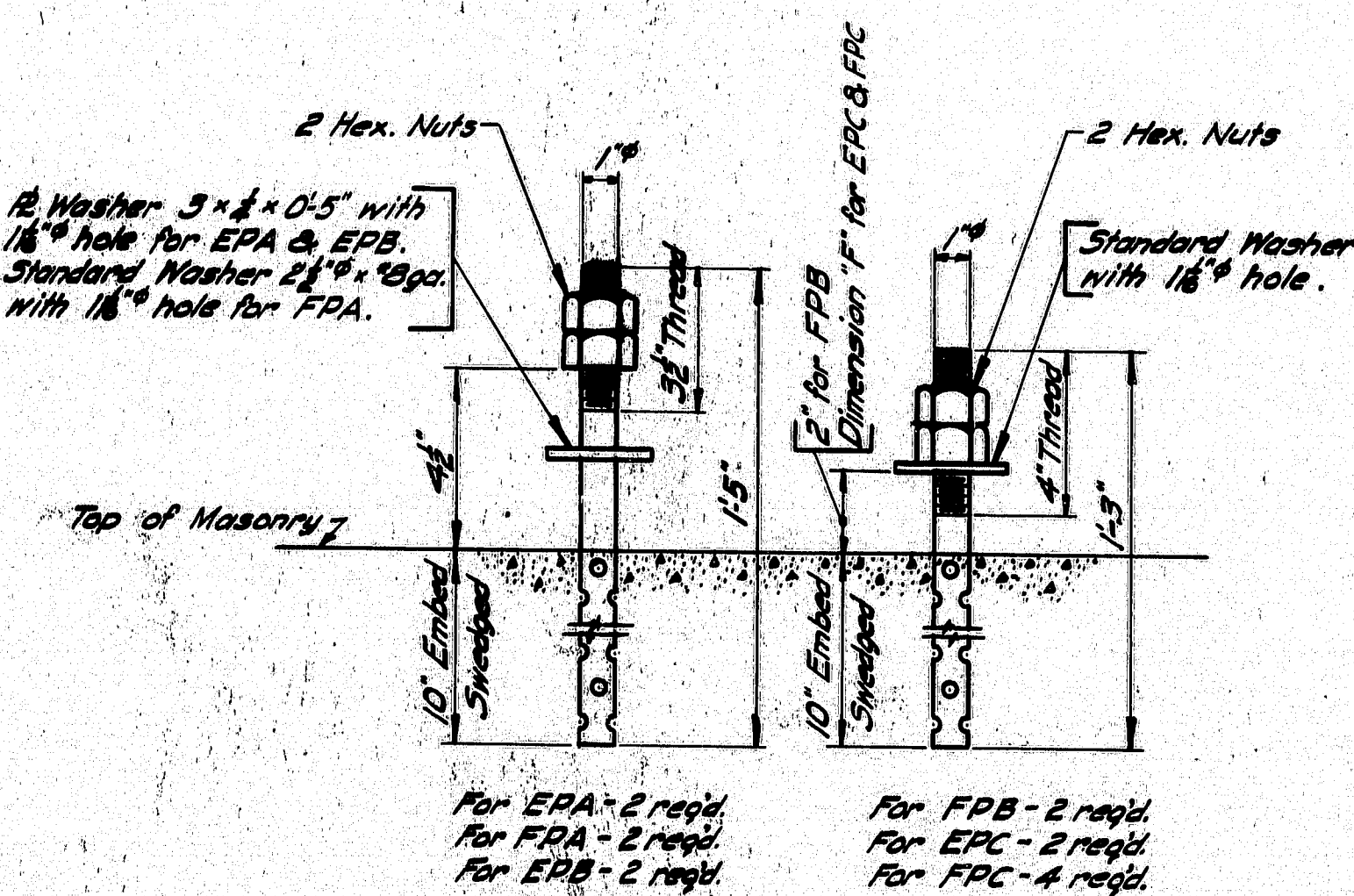
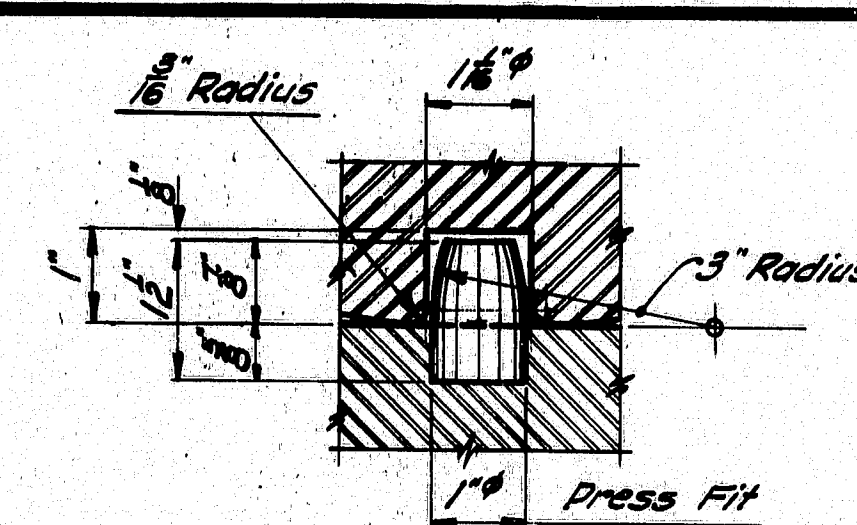
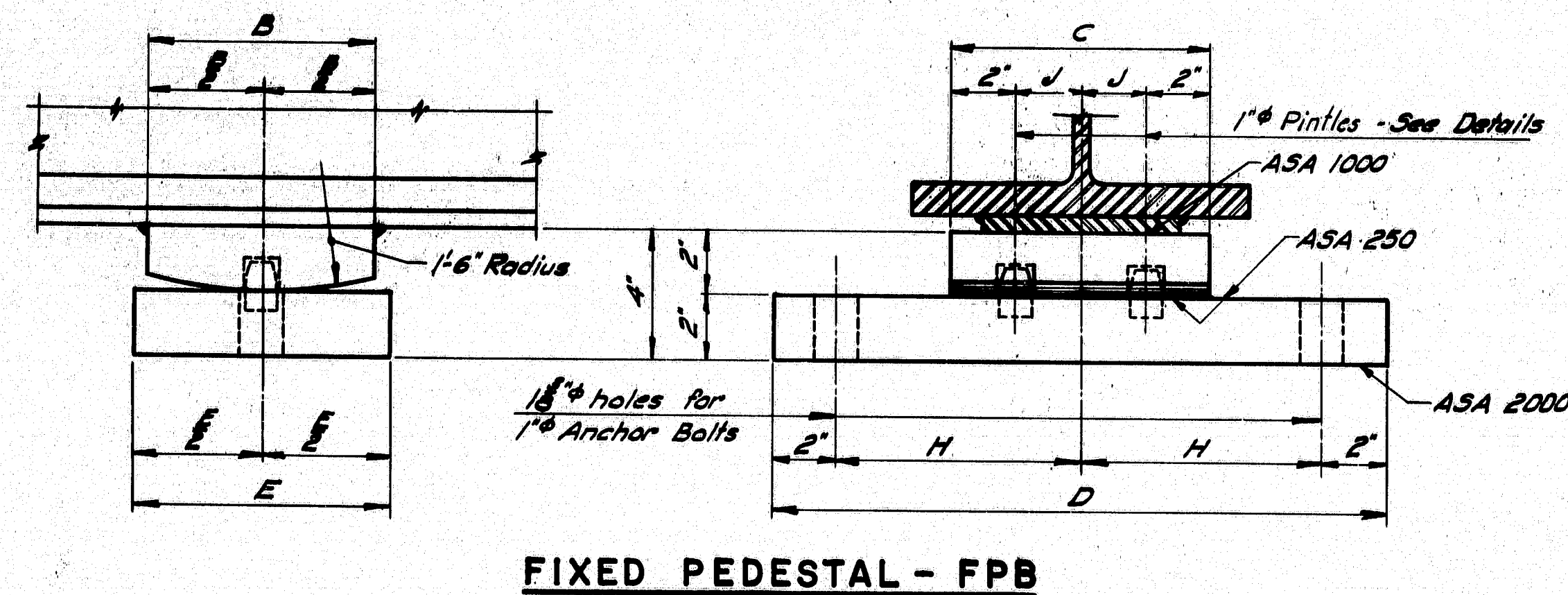
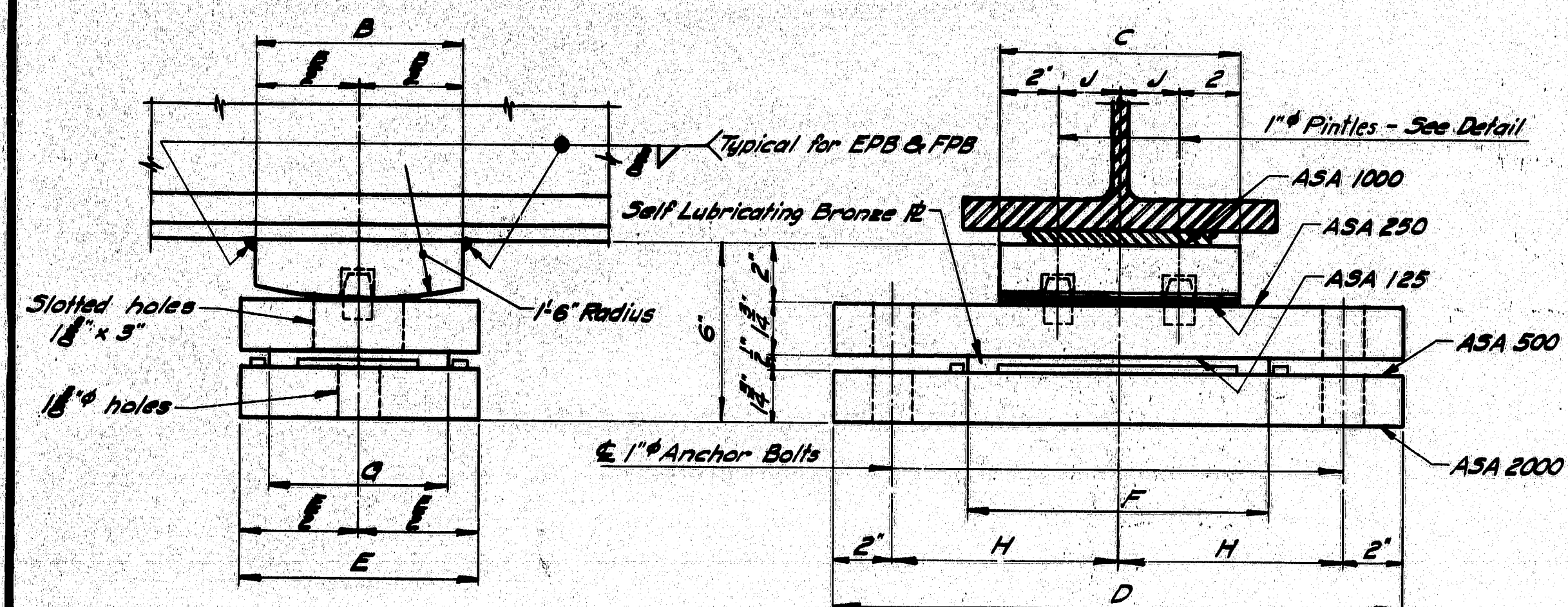
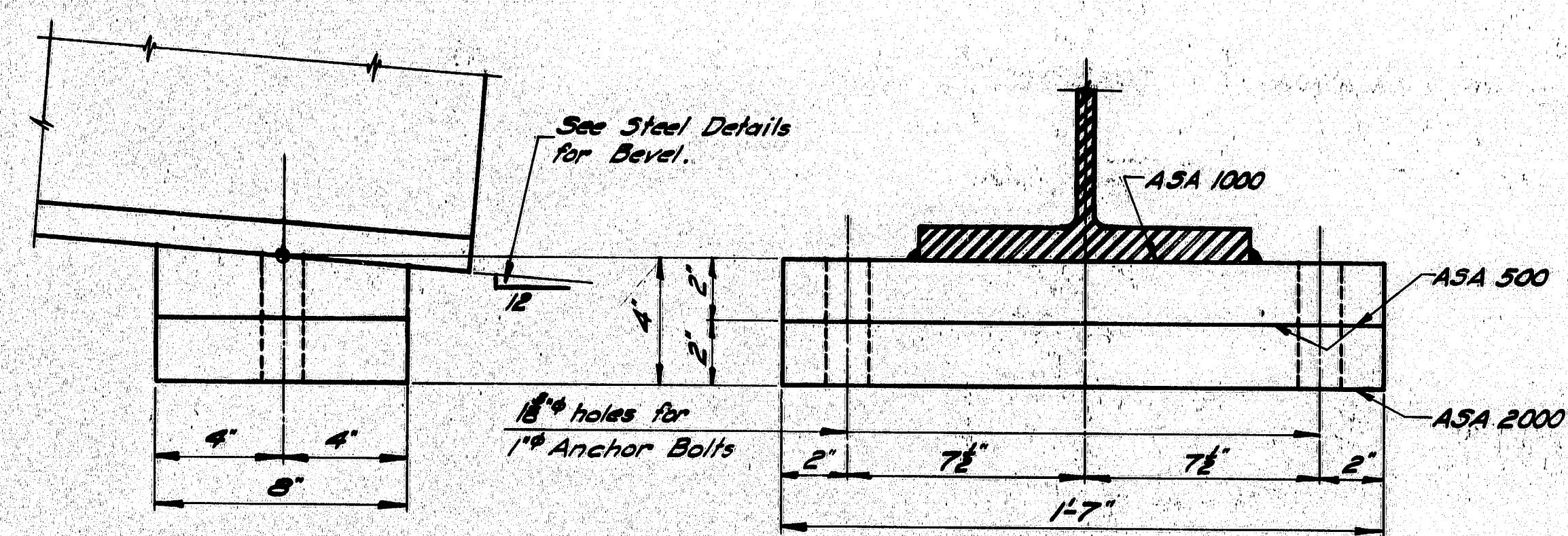
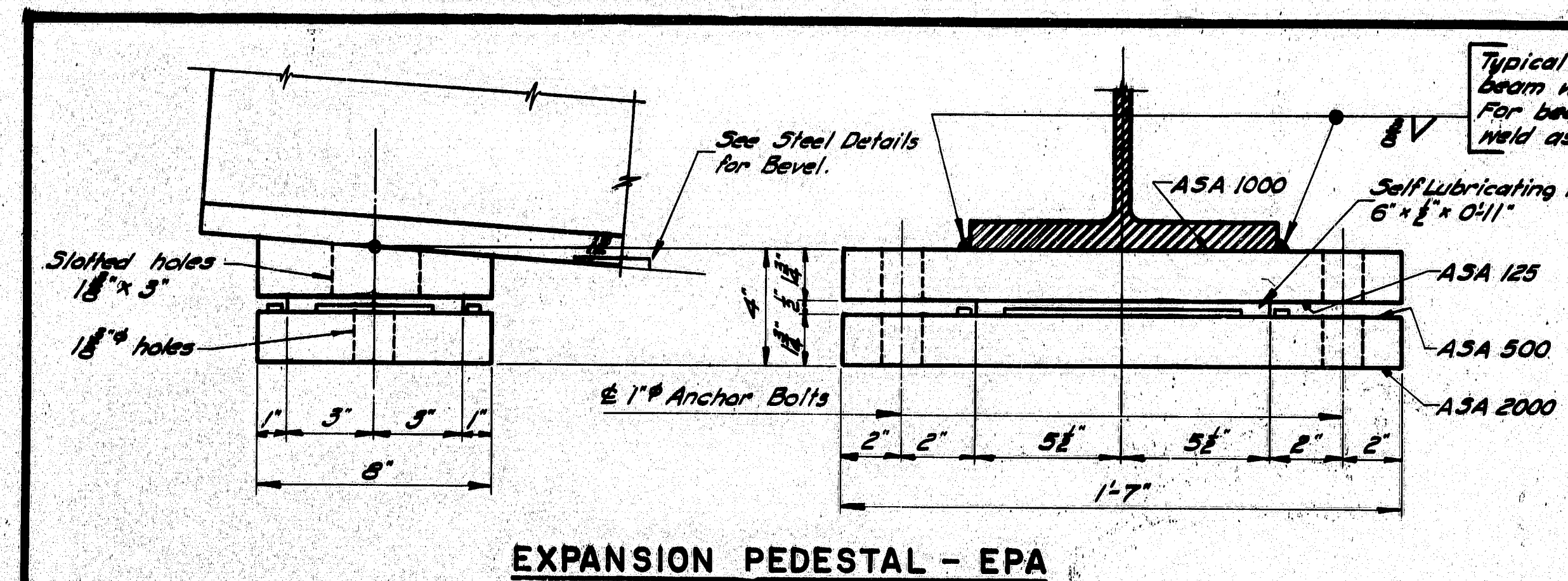
MARSH BRIDGE
OVER
MARSH STREAM
IN THE TOWN OF
PROSPECT
WALDO COUNTY
SPECIAL DETOUR

SHEET 19 OF 27 AUGUSTA, MAINE Sept. 1975

173-42

PROJECT DESIGN ENGINEER	BY	DATE
DESIGN - DETAILED	24/Sept/75	3-26
CHECKED	R.M.M.	3-26
REVISIONS		
FIELD CHANGES		

PLANS



MASONRY PLATE														
PEDESTALS - ALLOWABLE LOADS & DIMENSIONS														
pedestal/	Load	A	B	C	D	E	F	G	H	J	K	L	M	N
EPB	132 ^K	-	-	-	-	-	-	-	-	-	8"	4"	3 1/2"	3 1/2"
FPA	130 ^K	-	-	-	-	-	-	-	-	-	-	-	-	-
EPB-1	120 ^K	-	6"	8"	17"	8"	10"	6"	7 1/2"	2"	8"	4"	3 1/2"	3 1/2"
EPB-2	163 ^K	-	7"	10"	14 1/2"	9"	10"	7"	8"	3"	10"	5"	3 1/2"	5 1/2"
EPB-3	224 ^K	-	8"	14"	24"	10"	14"	8"	10"	4 1/2"	14"	5"	4 1/2"	6 1/2"
FPA-1	120 ^K	-	6"	8"	17"	8"	-	-	7 1/2"	2"	-	-	-	-
FPA-2	163 ^K	-	7"	10"	14 1/2"	9"	-	-	8"	3"	-	-	-	-
FPA-3	224 ^K	-	8"	14"	24"	10"	-	-	10"	5"	-	-	-	-
EPC-1	70 ^K	3 1/2"	6"	8"	18"	8"	1 1/2"	3 1/2"	3"	3"	4 1/2"	-	1"	6"
EPC-2	100 ^K	1 1/2"	8"	8"	18"	8"	1 1/2"	3 1/2"	3"	3"	4 1/2"	-	1"	6"
EPC-3	130 ^K	1 1/2"	10"	8"	19"	9"	1 1/2"	4"	3"	3"	5 1/2"	-	1"	7"
EPC-4	160 ^K	1 1/2"	10"	8"	19"	9"	1 1/2"	4"	4"	3"	5 1/2"	-	1"	7"
EPC-5	190 ^K	1 1/2"	10"	9"	21"	10"	2"	4 1/2"	5"	3"	5 1/2"	-	1"	8"
EPC-6	220 ^K	1 1/2"	10"	10"	24"	10"	2 1/2"	5"	5"	3"	10 1/2"	-	1"	8"
EPC-7	280 ^K	1 1/2"	10"	10"	24"	10"	2 1/2"	5"	5"	4"	10 1/2"	-	1"	8"
FPC-1	100 ^K	-	-	8"	18"	9"	1 1/2"	2 1/2"	8"	-	6 1/2"	-	-	6"
FPC-2	160 ^K	-	-	8"	18"	10"	1 1/2"	3"	8"	-	6 1/2"	-	-	7"
FPC-3	190 ^K	-	-	9"	20"	10"	1 1/2"	3"	10"	-	6 1/2"	-	-	8"
FPC-4	220 ^K	-	-	10"	24"	10"	1 1/2"	4"	10"	-	6 1/2"	-	-	8"
FPC-5	250 ^K	-	-	10"	24"	10"	1 1/2"	4"	10"	-	6 1/2"	-	-	8"

NOTE: At the location of bearing pedestals the concrete bridge seats shall be dressed one inch larger all around than size of masonry plates as shown on the elevations shown on the plans. If elevations are below the surface of the surrounding bridge seat a small channel shall be cut to the edge of the bridge seat for drainage where required by the Engineer. Channels shall have a min. width of 2" and min. slope of 1/4 inch per foot. No separate payment for this work will be made as it shall be considered incidental to contract items.

DESIGN SPECIFICATIONS

AASHTO, Standard Specifications for Highway Bridges 1973, Interims '74, '75, '76

A A.S.T.M. STEEL CLASSIFICATION

(When structural steel is specified to be unpainted)
All structural steel including anchor bolts shall be A588 unpainted.

(When structural steel is specified to be painted)
All structural steel including anchor bolts shall be A36.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

STANDARD DETAILS

(BD 101 -74)

BEARING PEDESTALS

A	Change Specifications & Steel Classification	3-1-77
REVISIONS		DATE

SHEET 20 OF 27 AUGUSTA, ME. APRIL, 1974

173-43

F.R.E.A. DES. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742 (504)	22	27

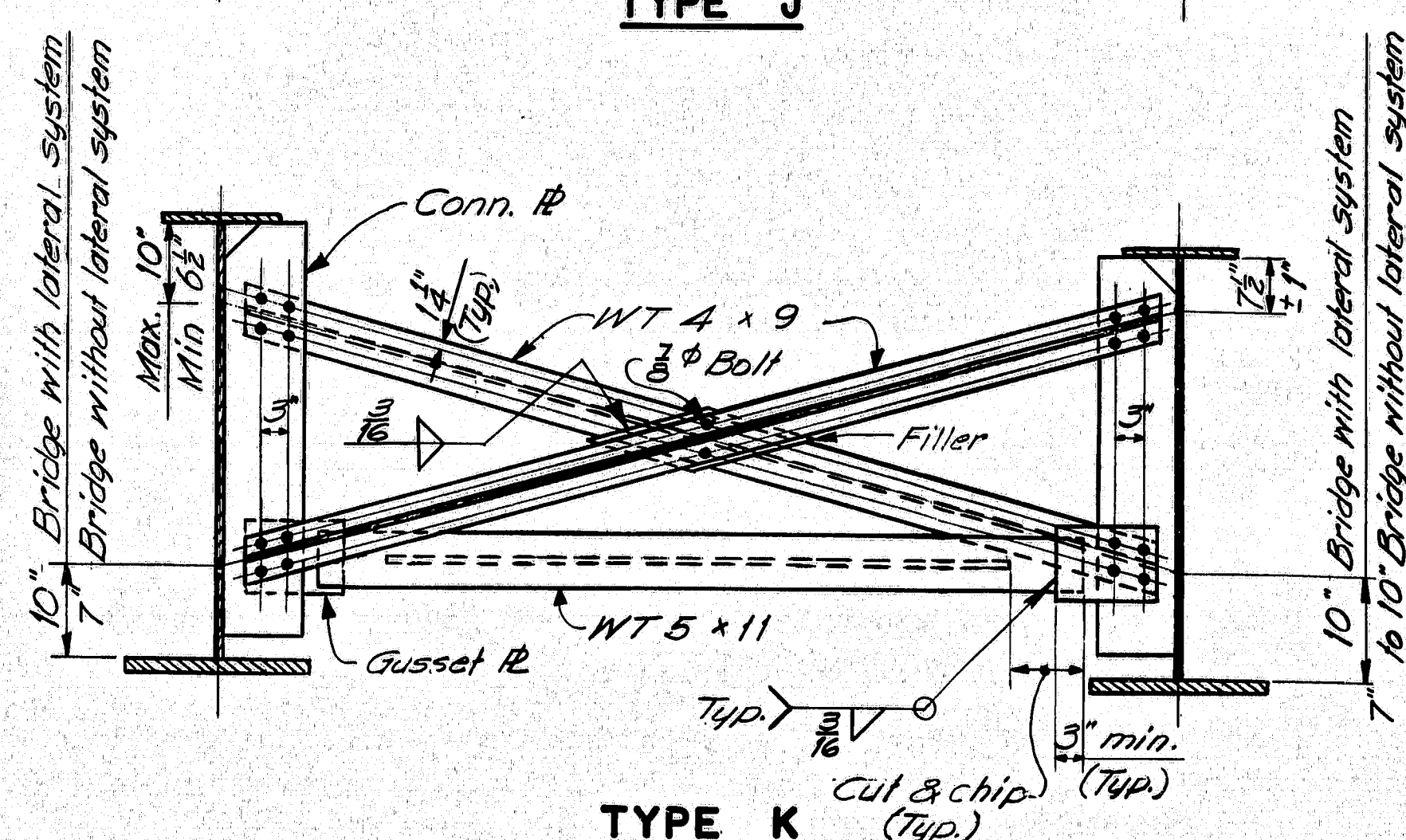
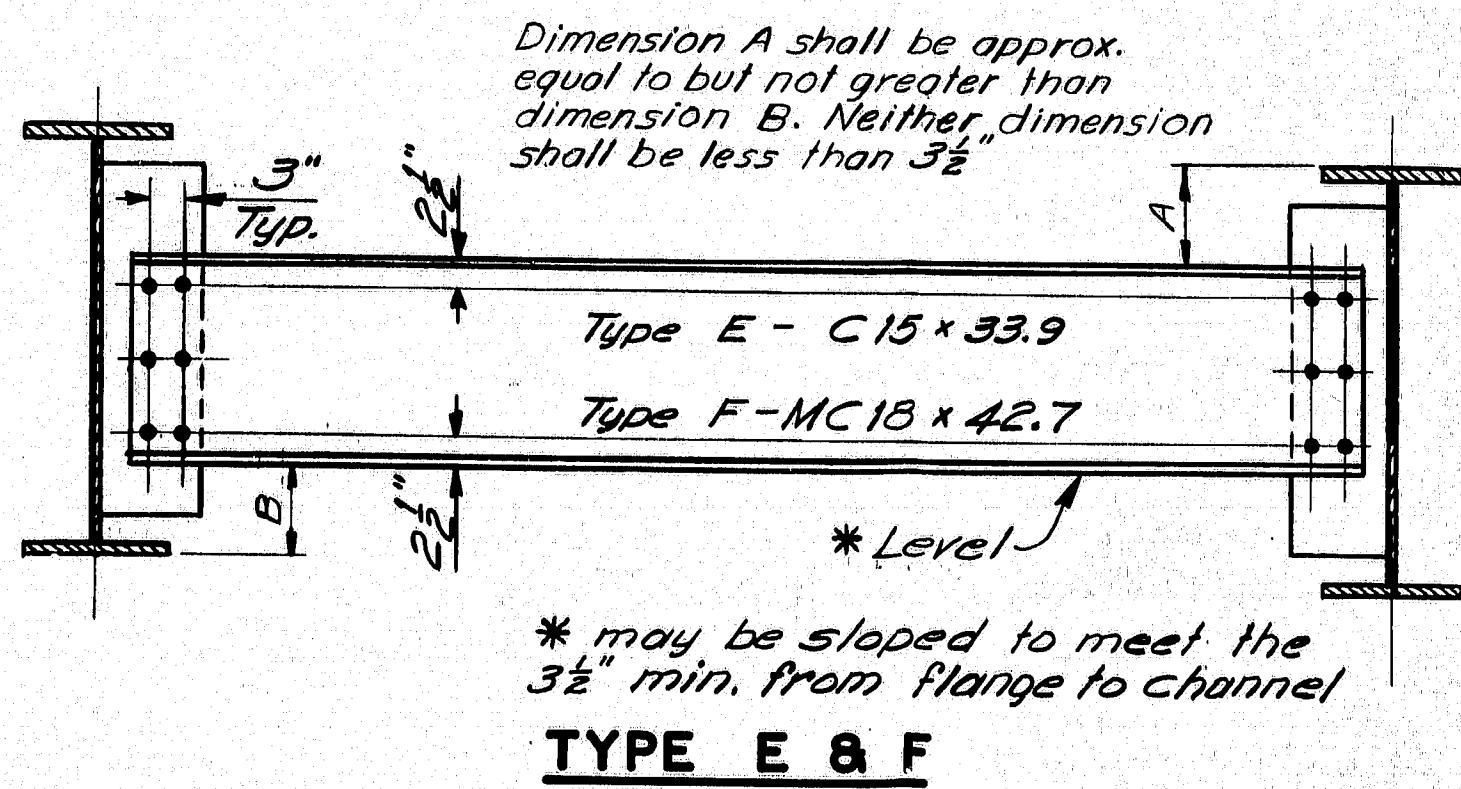
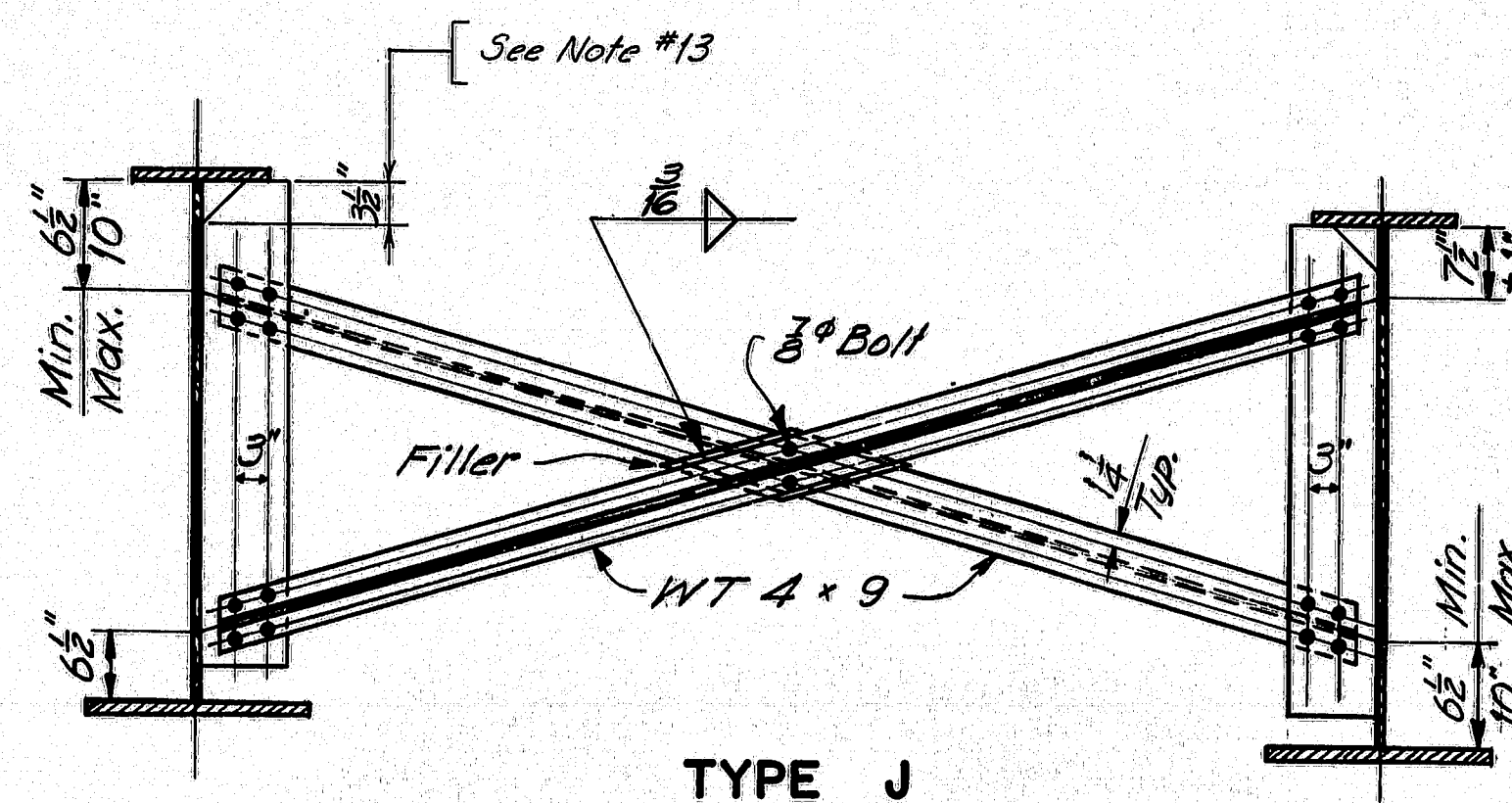
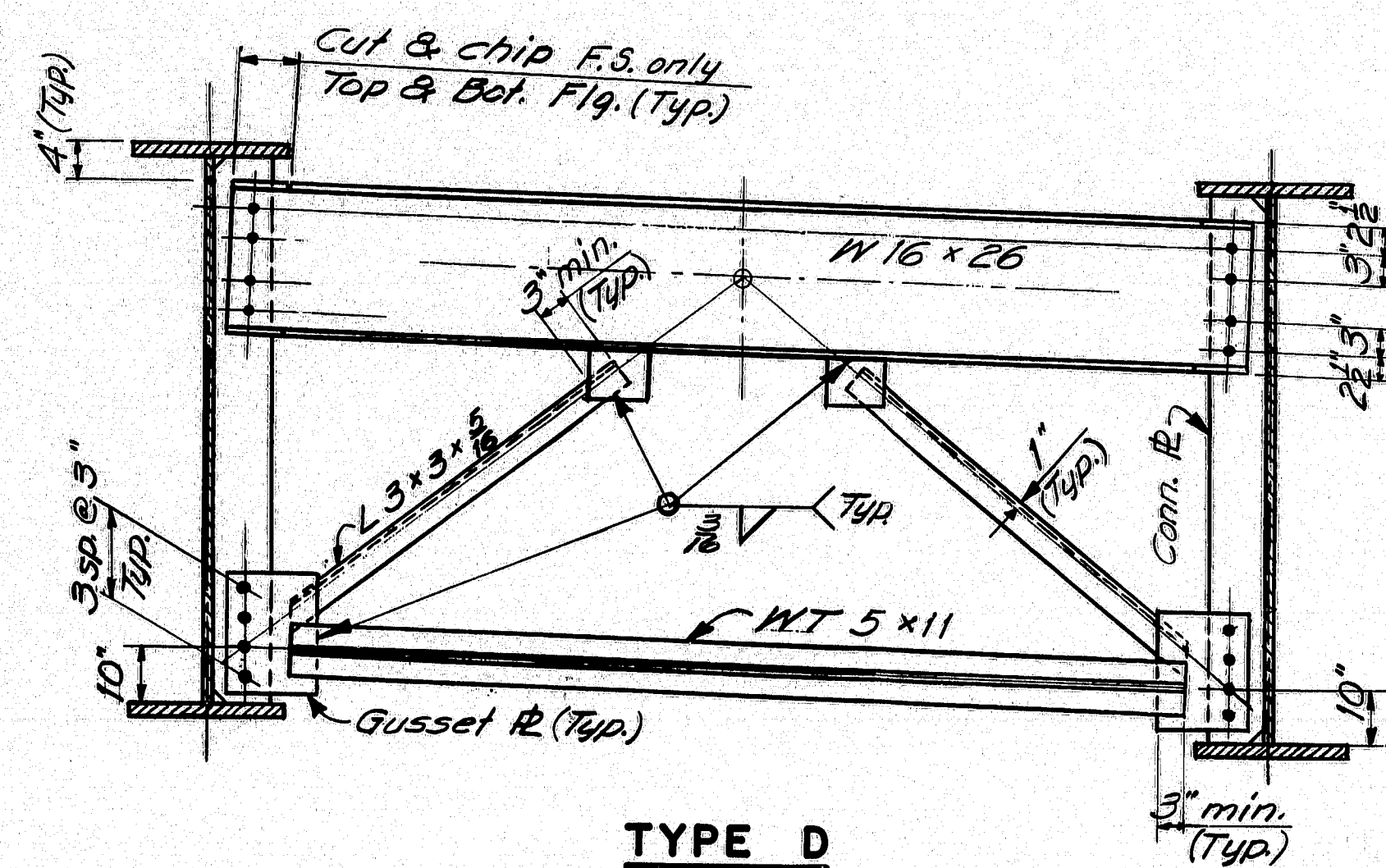
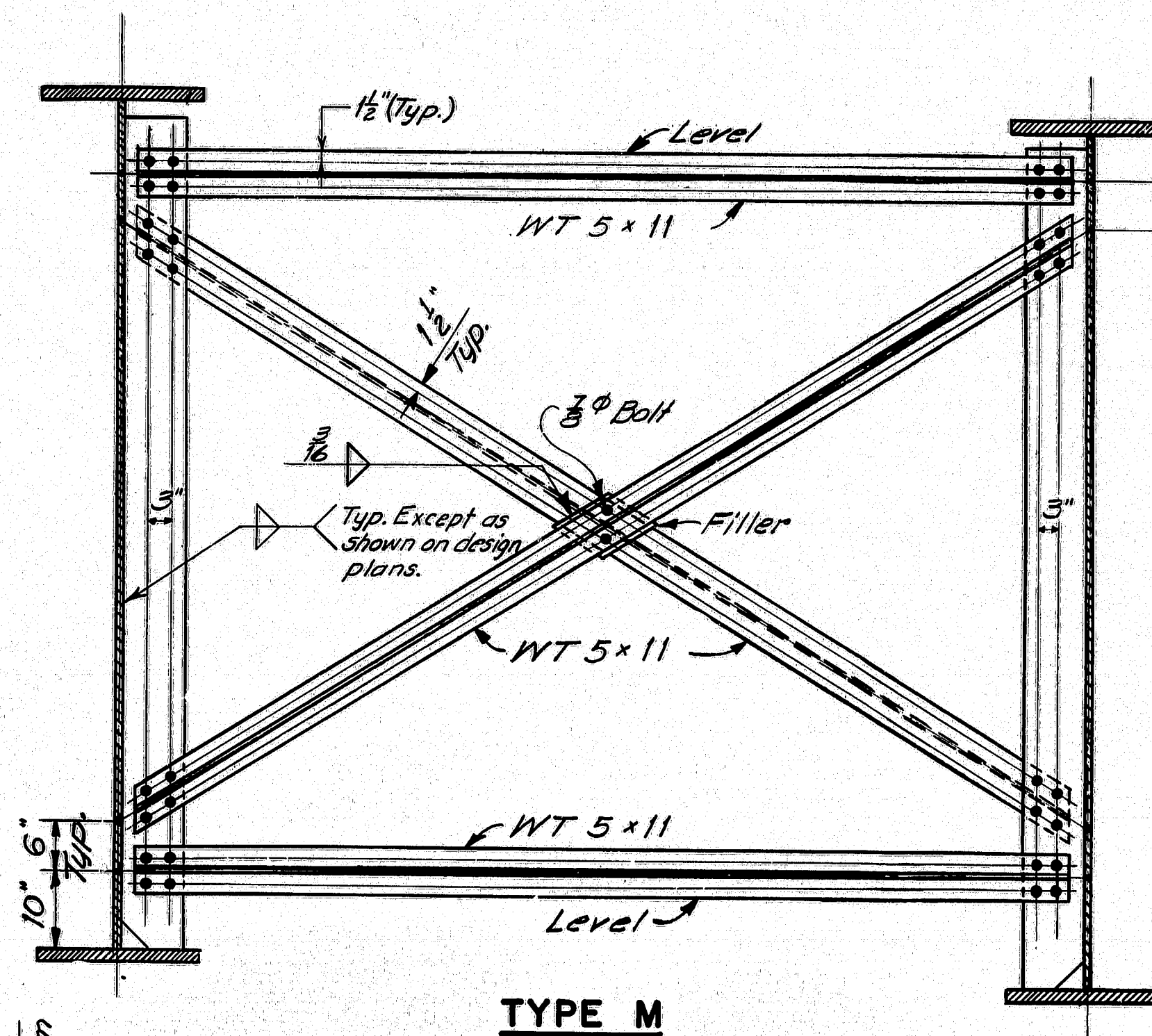
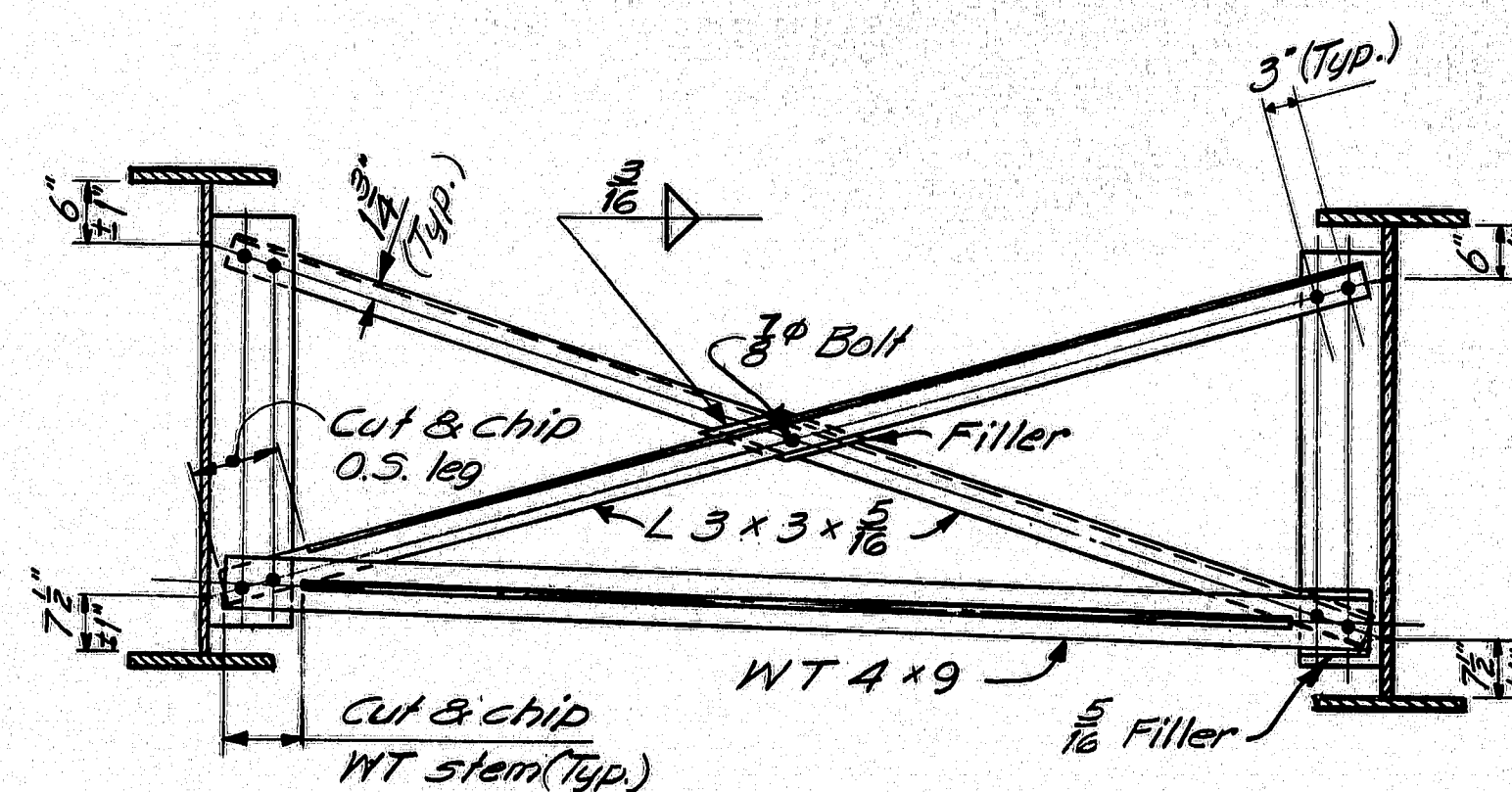
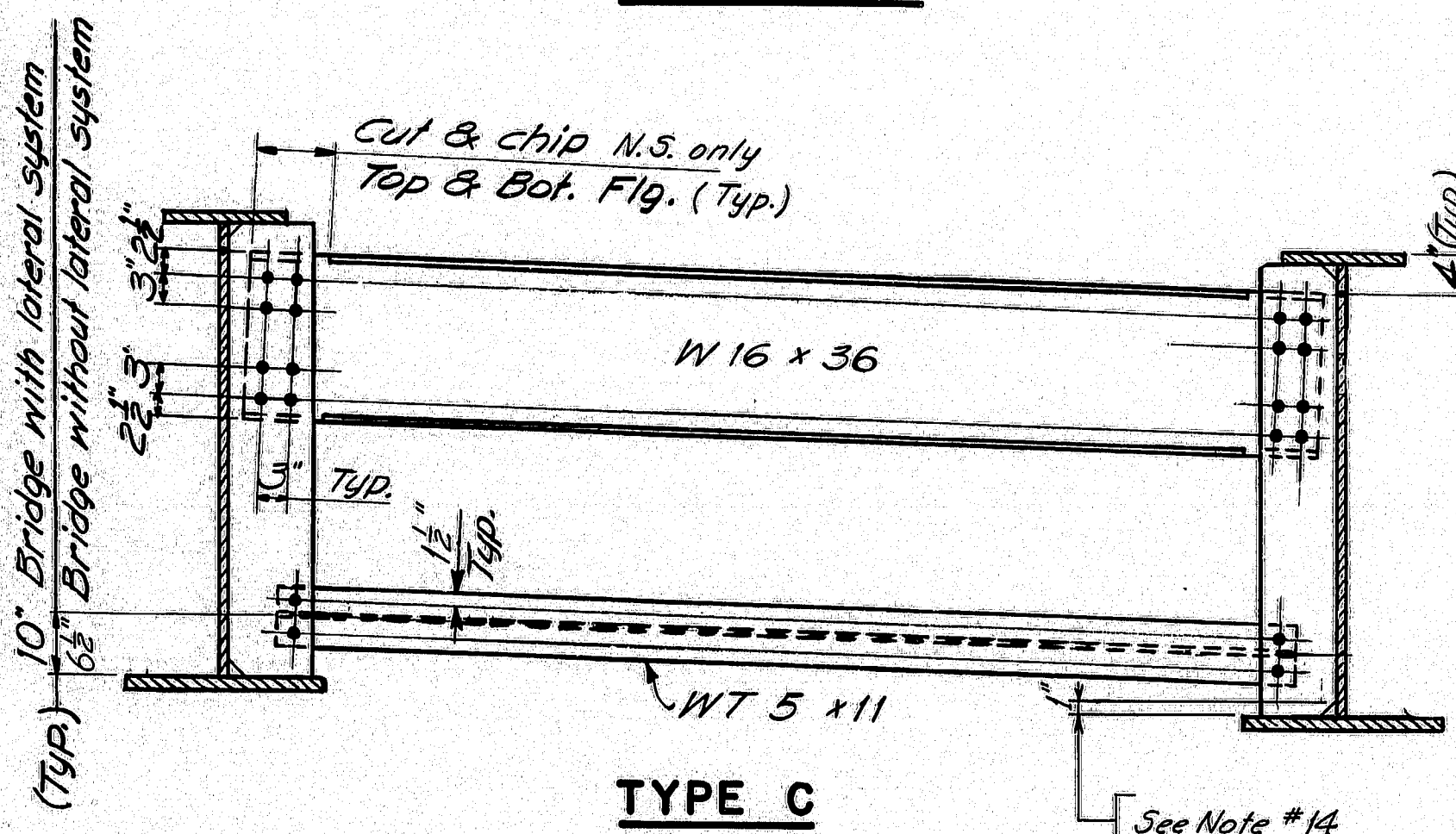
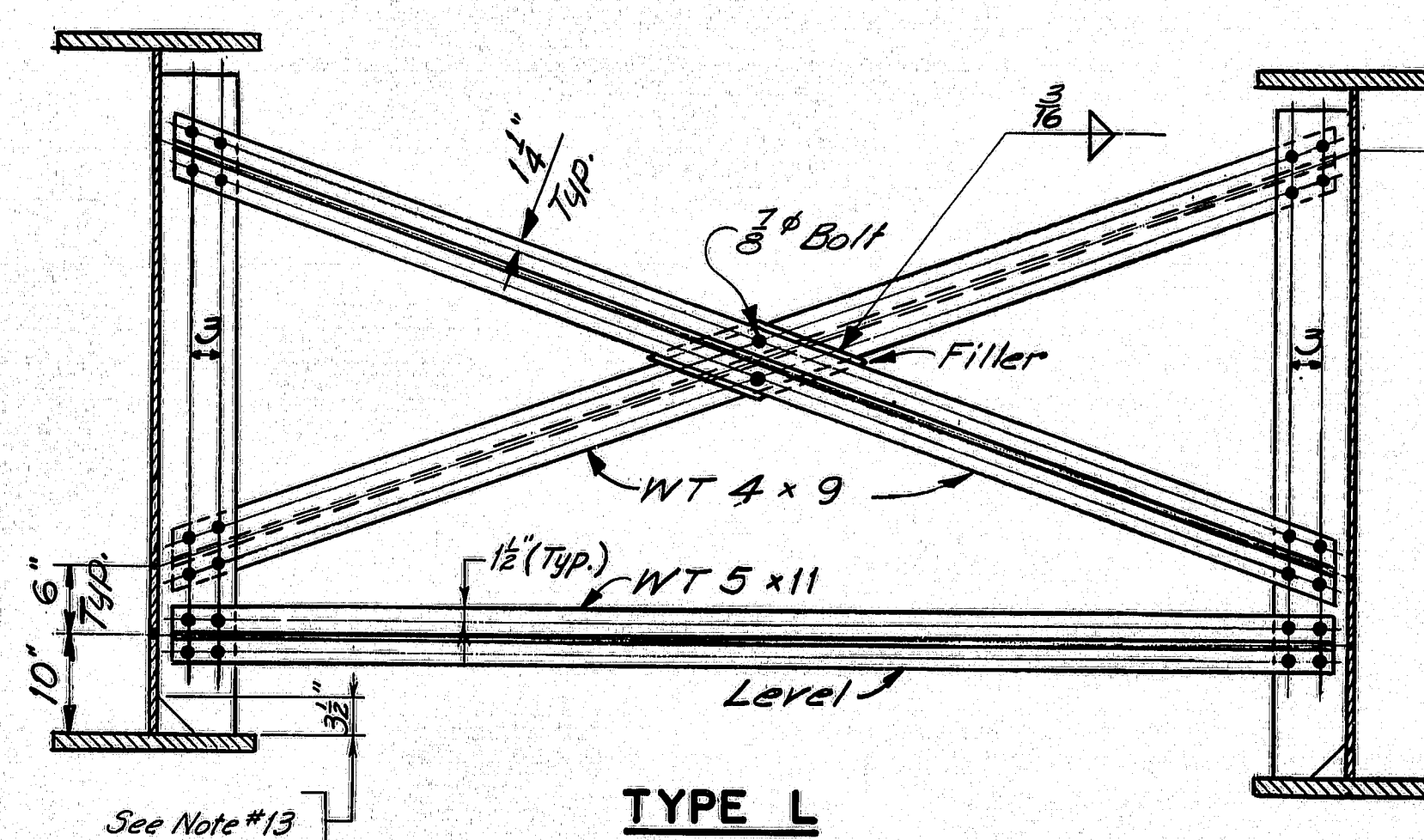
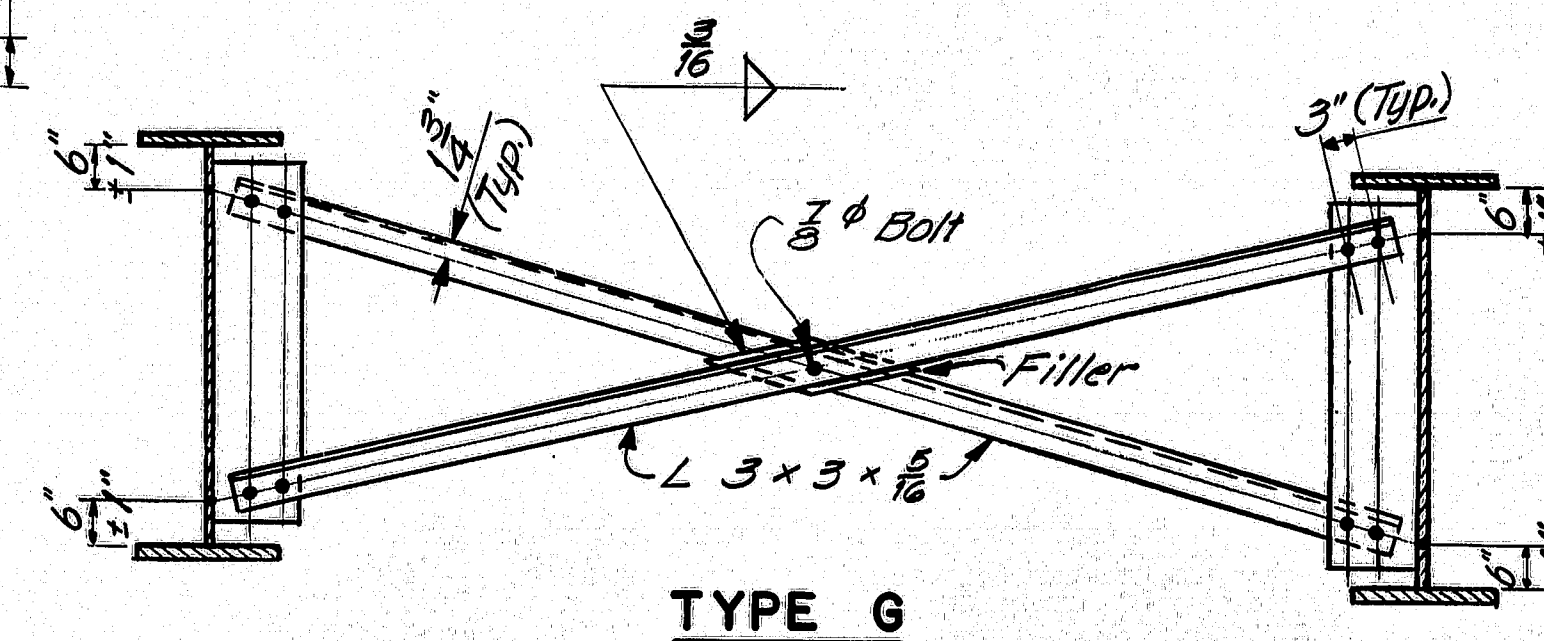
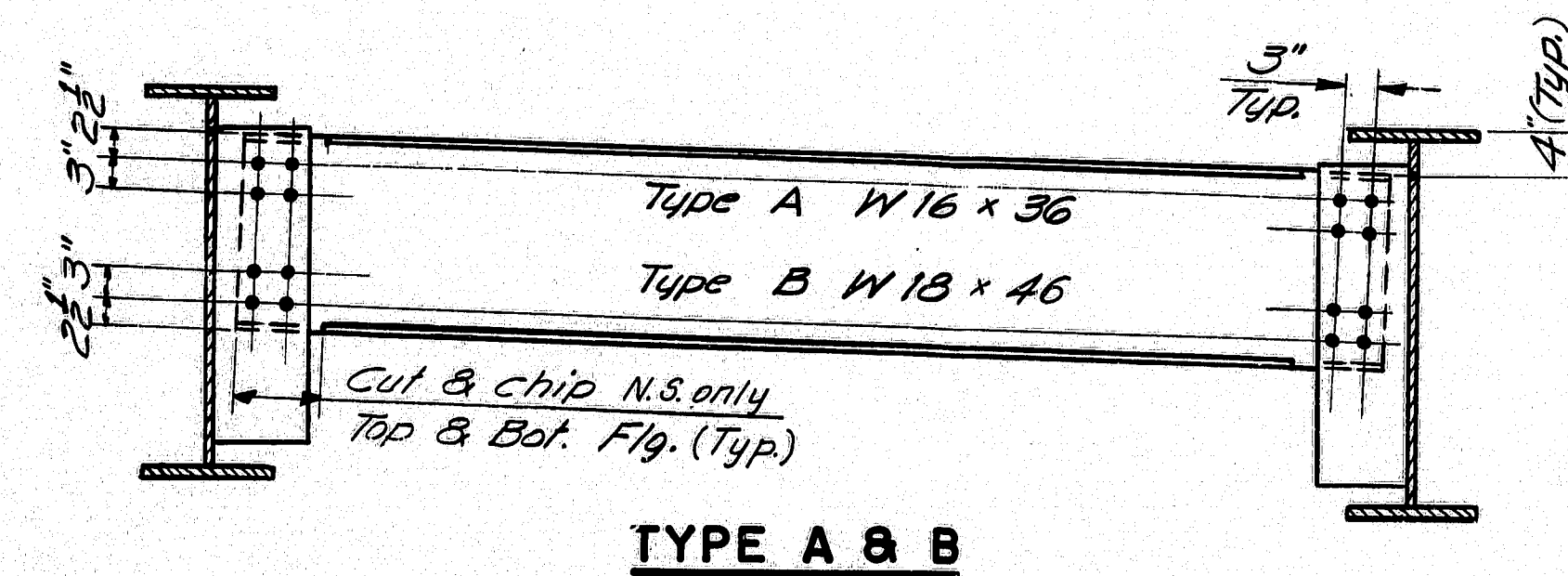
FABRICATION NOTES

- 1.) All bolts shall be $\frac{7}{8}$ " ϕ H.S. Bolts. Holes for bolts shall be $\frac{15}{16}$ " ϕ and edge-distances shall be $\frac{1}{2}$ " min. unless otherwise shown.
- 2.) Connection Plates and gusset plates shall have a minimum thickness of $\frac{3}{8}$ " and shall have sufficient width to provide erection clearances. For bearing stiffeners or intermediate stiffeners and for bent connection plates the plate size will be given on the design details.
- 3.) Connection Plates shall be fastened to web plates by fillet welds as shown. All fillet welds shall be the minimum size as specified in A.A.S.H.T.O. Standard Specifications for Highway Bridges, Art. I.7.26, unless otherwise shown on design plans.
- 4.) Connection Plates shall be $3\frac{1}{2}$ " clear from flanges, except as indicated by notes 5 & 6.
- 5.) Connection Plates on welded beams and girders shall extend to the top flange in areas where the top flange is always in compression.
- 6.) Connection Plates shall extend to the bottom flange at points where lateral bracing is attached and on welded beams and girders in areas where the bottom flange is always in compression.
- 7.) When a connection plate is extended to a flange it shall fit within $\frac{1}{16}$ " except if the design details show it is to be welded.
- 8.) Bearing Stiffeners at end bearings shall extend to both top and bottom flanges and shall be welded to both flanges. Weld at bottom flange shall be a full penetration weld. Weld at top flange shall be a fillet weld both sides (see Note 3).
- 9.) Bearing Stiffeners at other than end bearings shall extend to both top and bottom flanges, shall be welded to the bottom flange with a full penetration weld and shall fit within $\frac{1}{16}$ " at top flange.
- 10.) Intermediate Stiffeners shall extend to both top and bottom flanges, shall be welded to the compression flange with a fillet weld on both sides (see Note 3) and shall fit within $\frac{1}{16}$ " at the tension flange.
- 11.) Use only those items called for on the design details. In case of conflict between these standard details and design details, the design details shall be followed.
- 12.) All dimensions shown as " - ± 1 " are variable in order to allow a series of crossframes to have the same slopes and/or dimensions.
- 13.) All connection plates and stiffeners that are extended to a flange shall be clipped $3\frac{1}{2}$ ", except as indicated by note 14.
- 14.) Bearing stiffeners at end bearings shall be clipped 1" at top and bottom. Bearing stiffeners at all other bearings and intermediate stiffeners shall be clipped 1" at the compression flange.
- 15.) For unpainted applications all steel for diaphragms and crossframes shall be A.S.T.M. - A588 or A242. For bridges specified to be painted the steel for diaphragms and connection plates shall be A.S.T.M. - A36, except other steel classifications may be used subject to the approval of the Engineer.

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

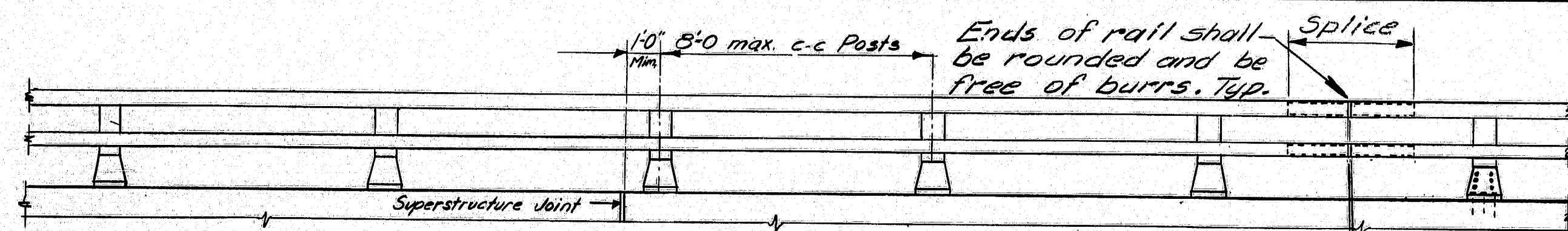
STANDARD DETAILS (BD 113 - 78) DIAPHRAGMS & CROSSFRAMES

SHEET 22 OF 27 AUGUSTA, MAINE June 1978

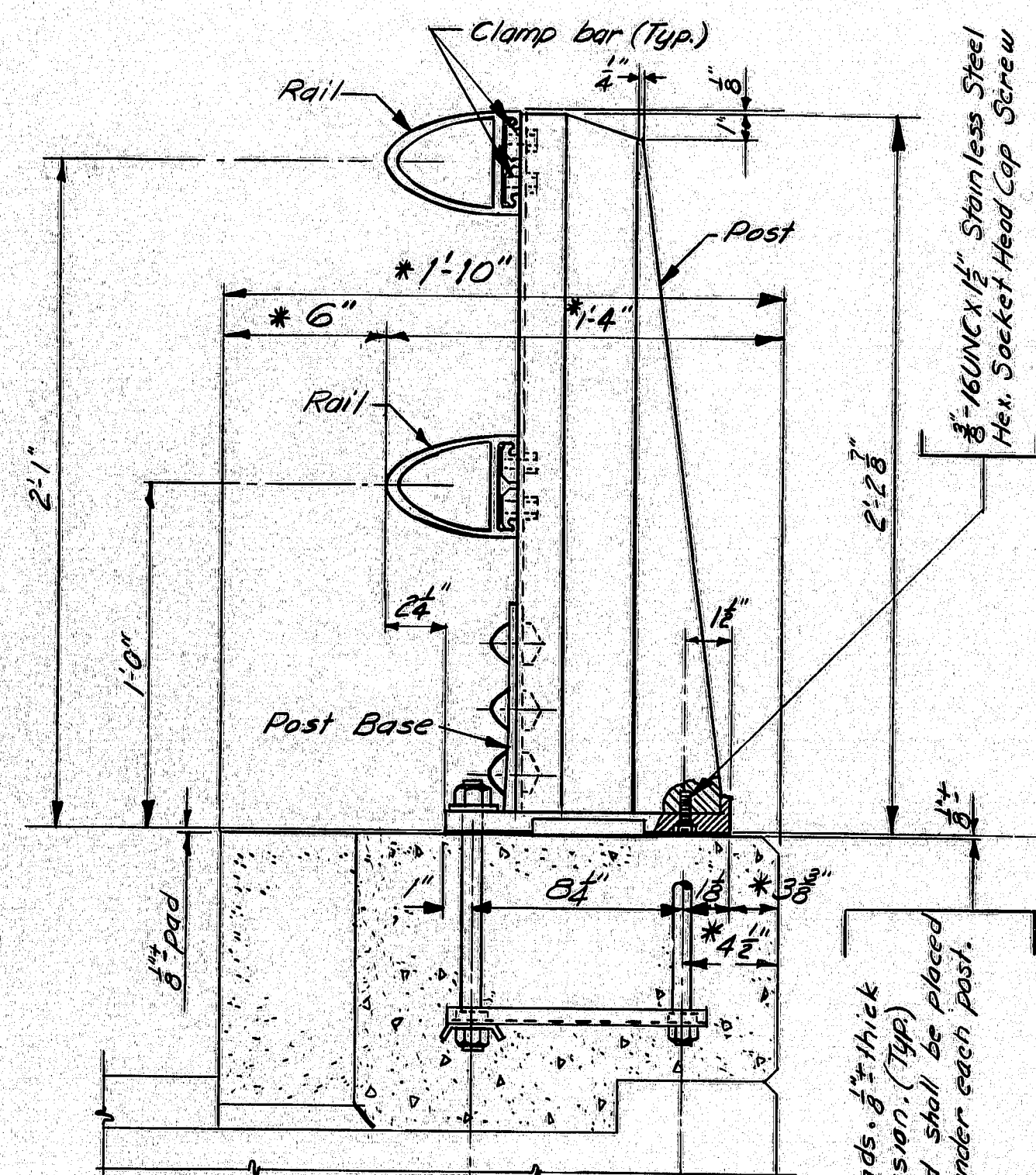


PLANS	BY	DATE
DESIGN-DETAILED		
CHECKED		
REVISIONS		
FIELD CHANGES		

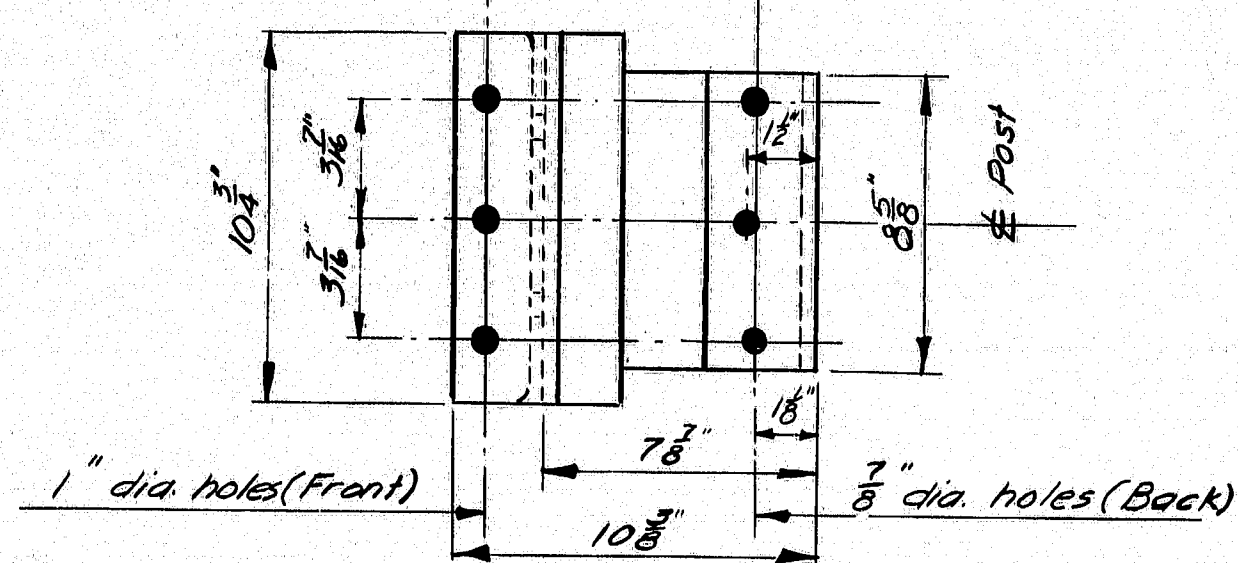
173-45



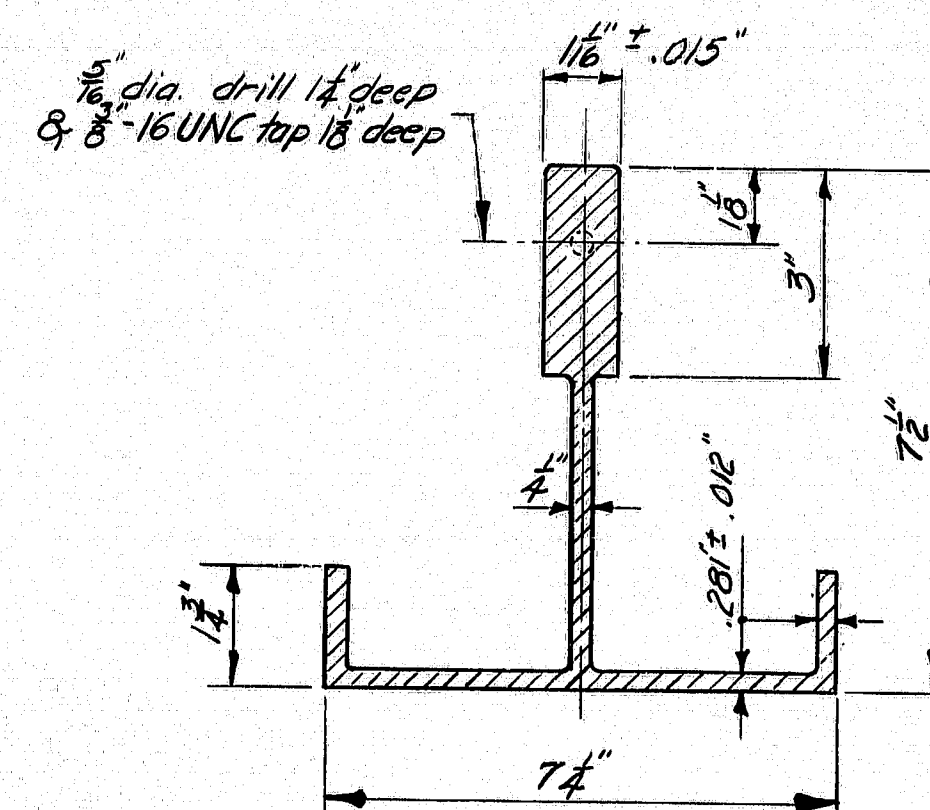
RAILING - ELEVATION



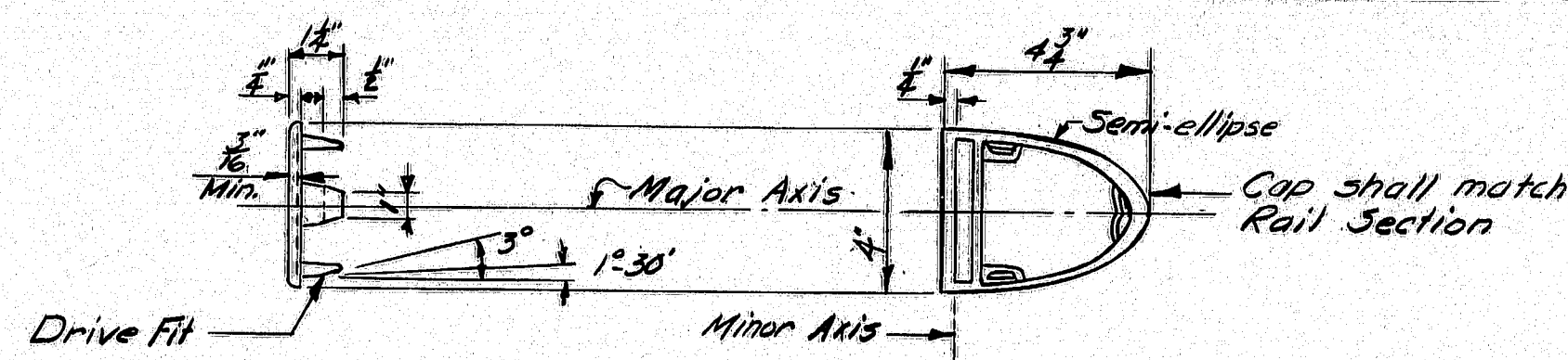
BRIDGE RAILING (Assembly)



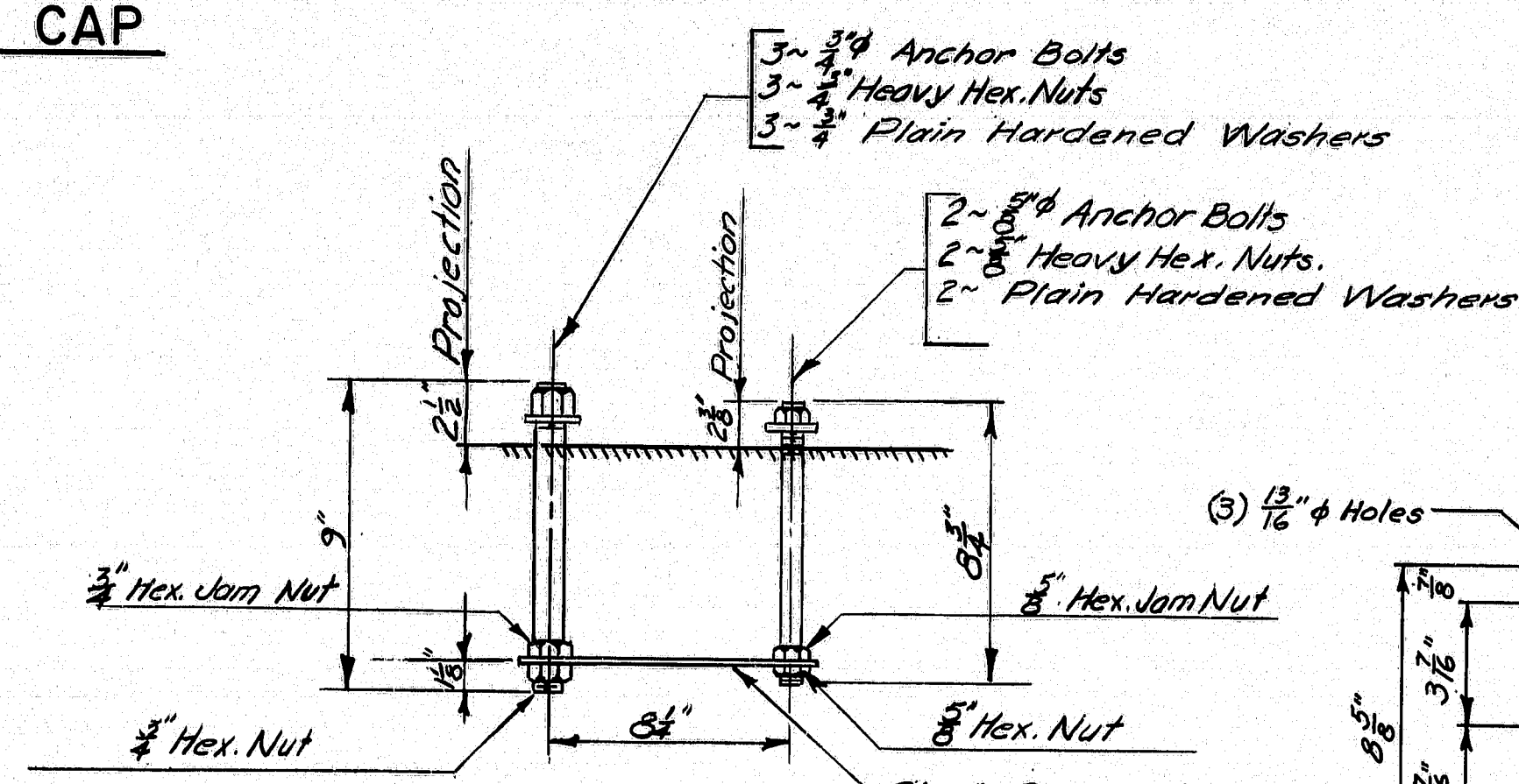
POST BASE (Bottom View)



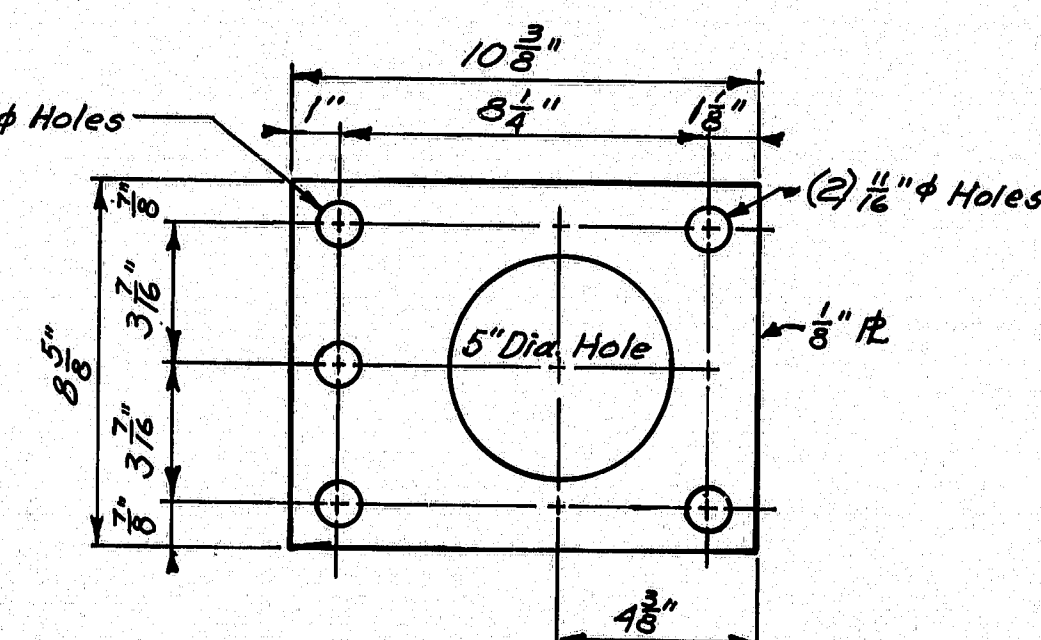
POST SECTION



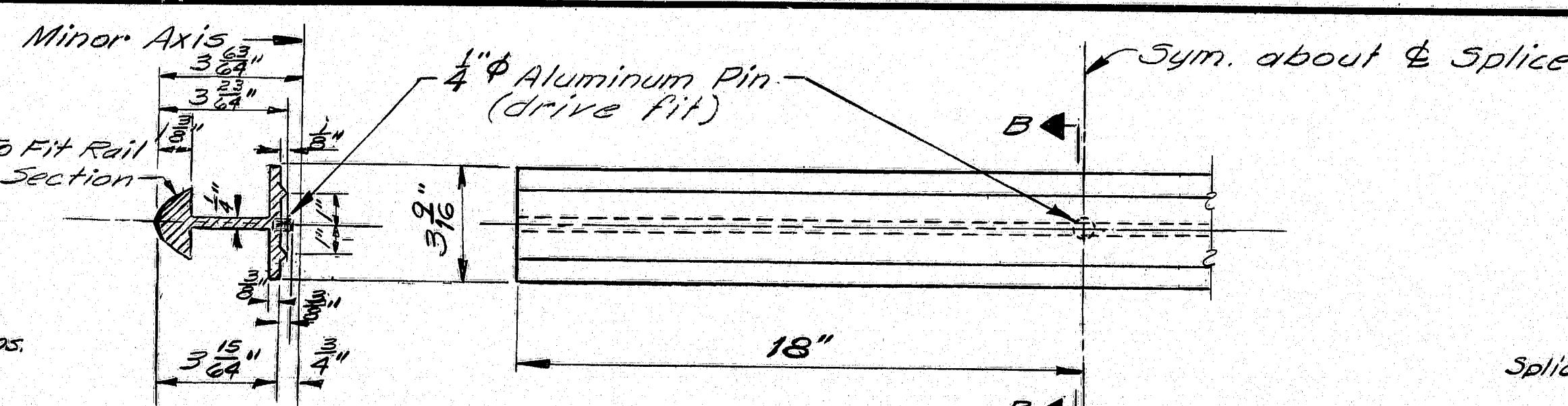
RAIL CAP



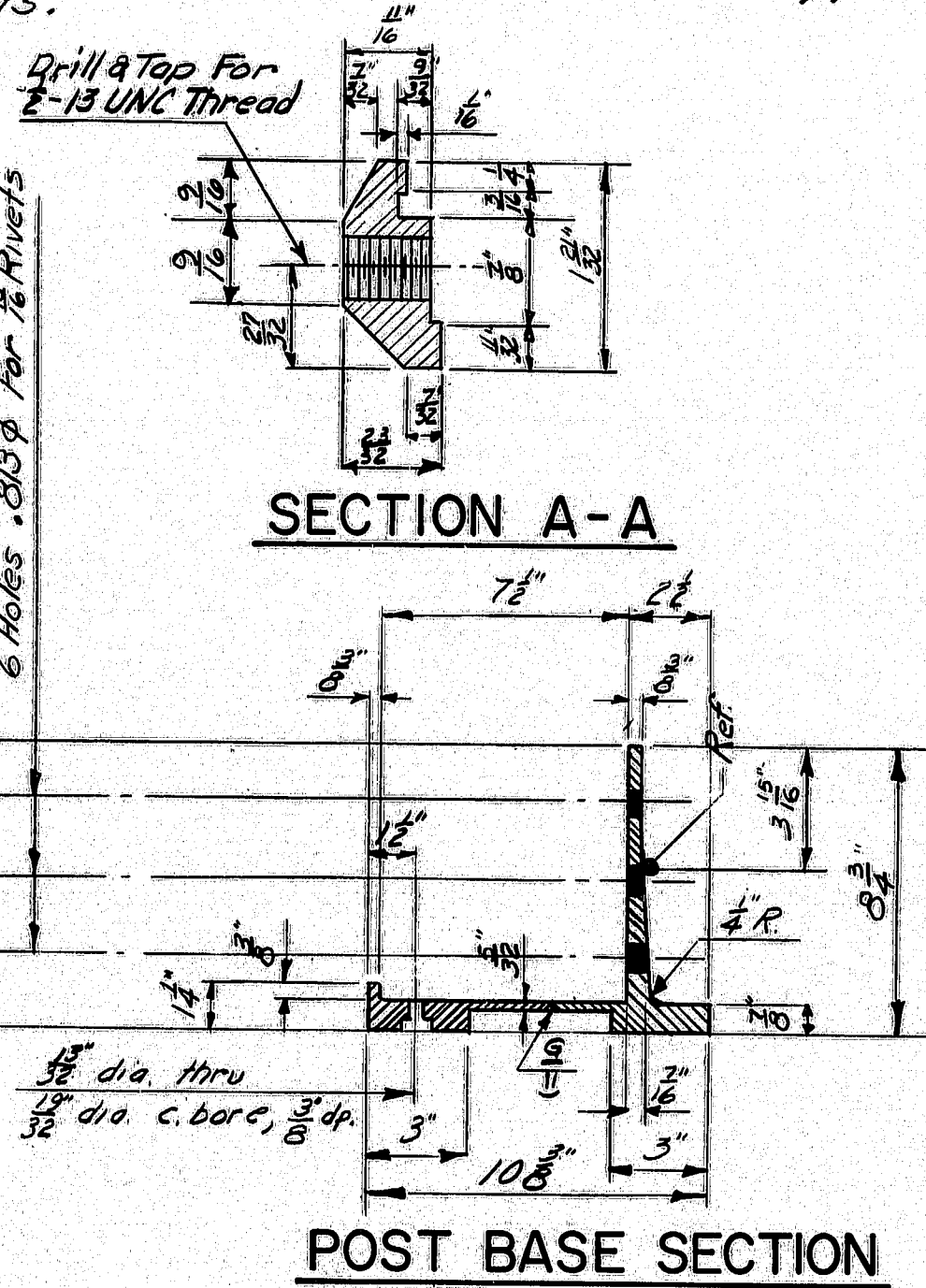
RAIL POST ANCHORAGE (Assembly)



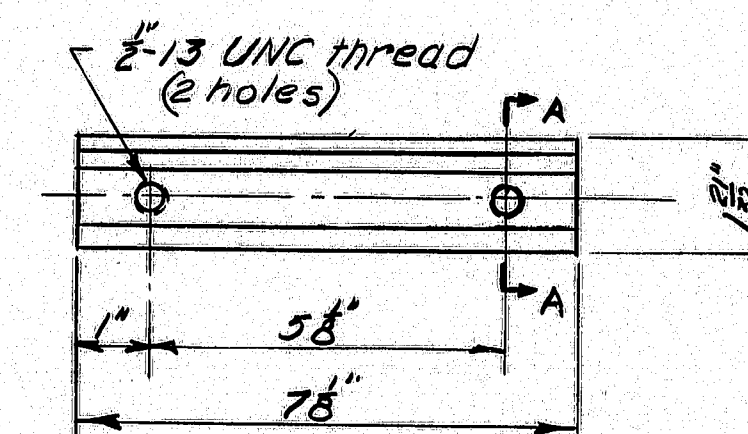
STEEL SPACER PLATE (For Anchorage)



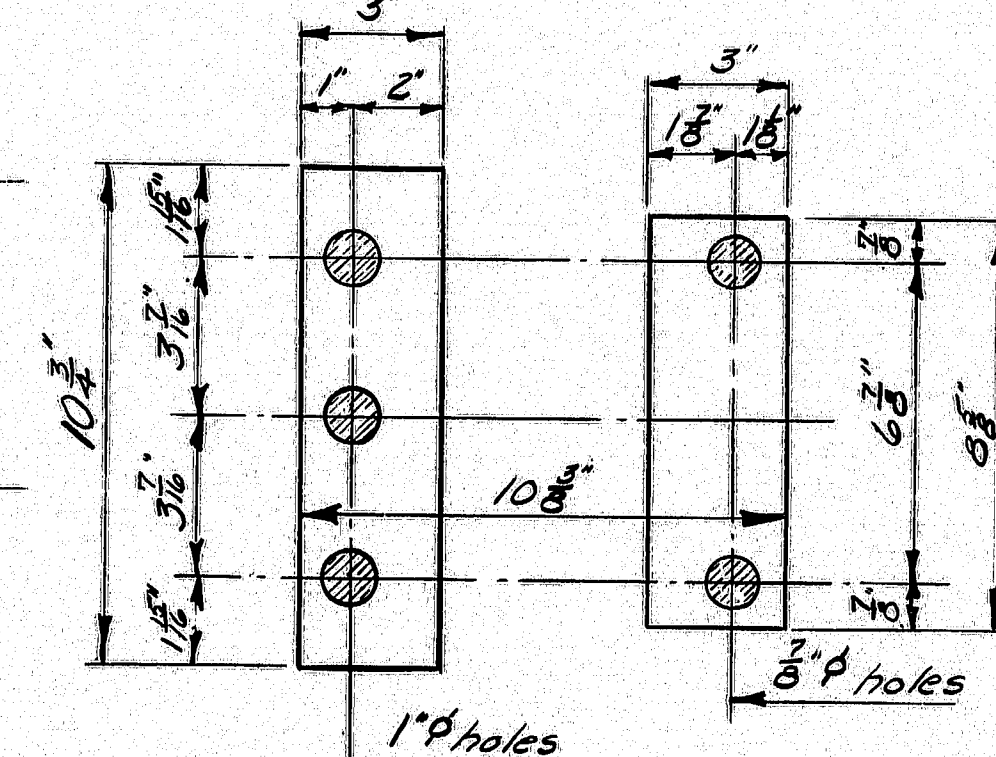
SECTION B-B



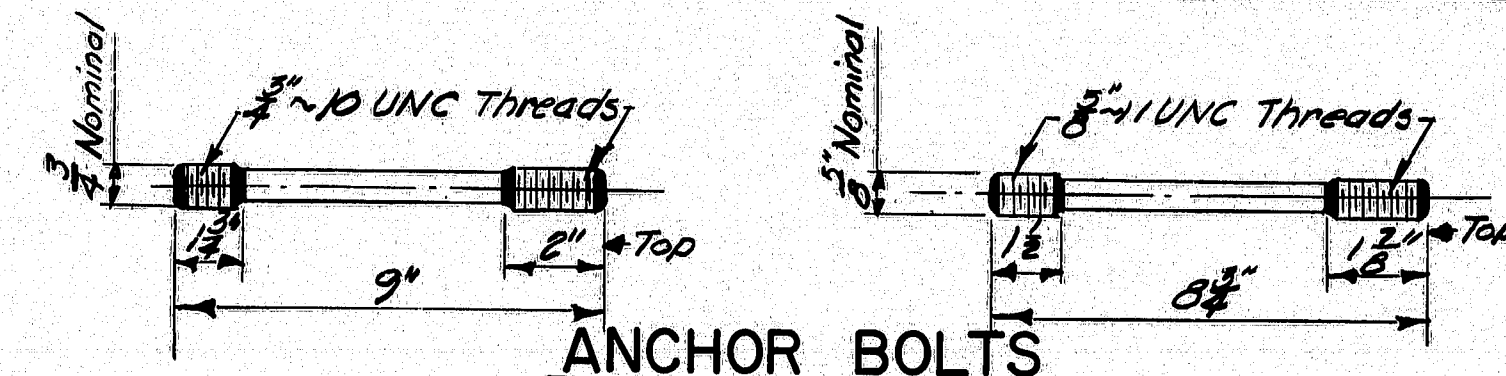
SECTION A-A



CLAMP BAR

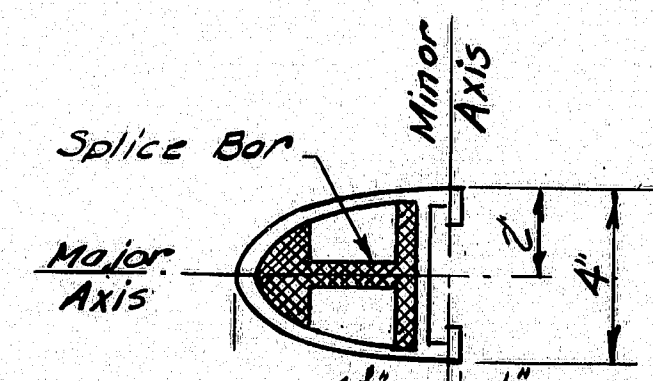


PREFORMED PADS

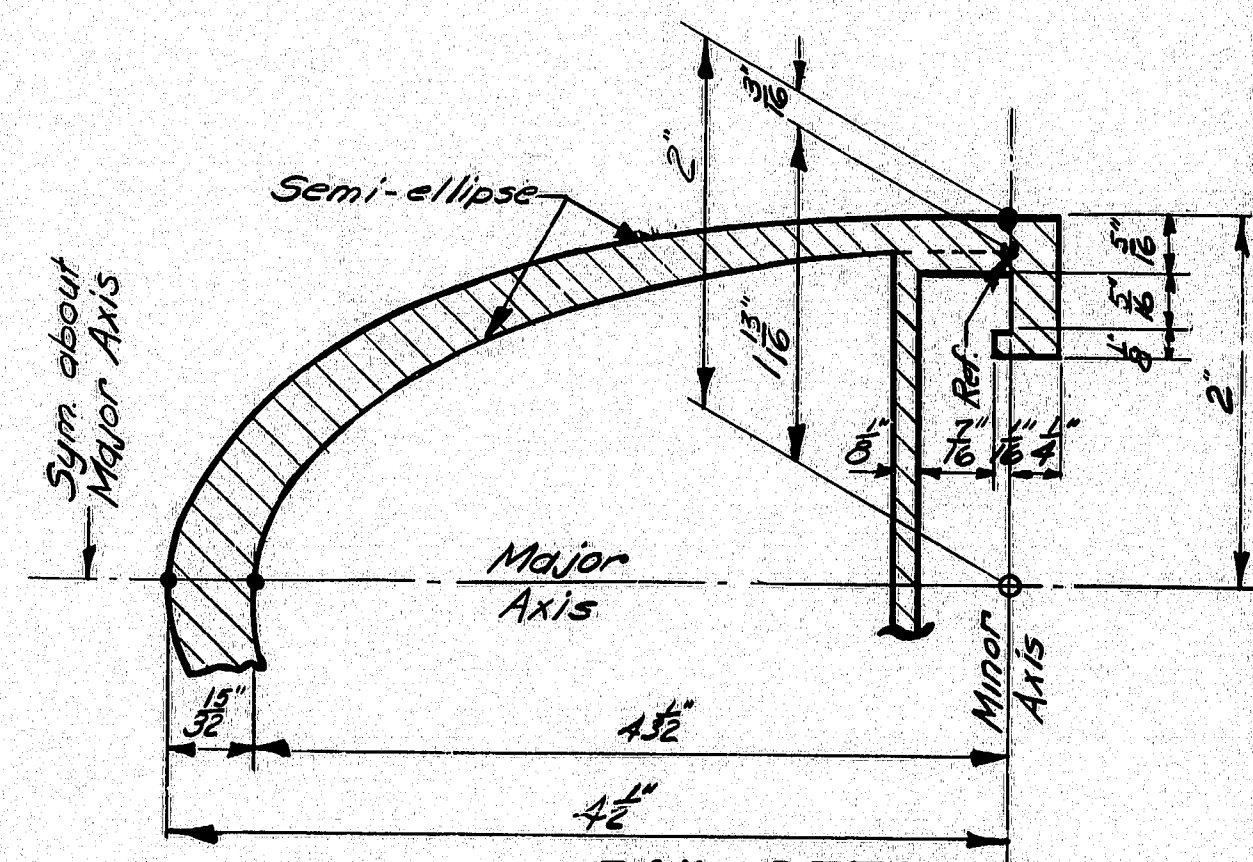


ANCHOR BOLTS

If cut threads are used, body diameter shall be not less than nominal diameter.
If rolled threads are used, body diameter shall be not less than root diameter of the threads.



RAIL SECTION See "Rail Detail"



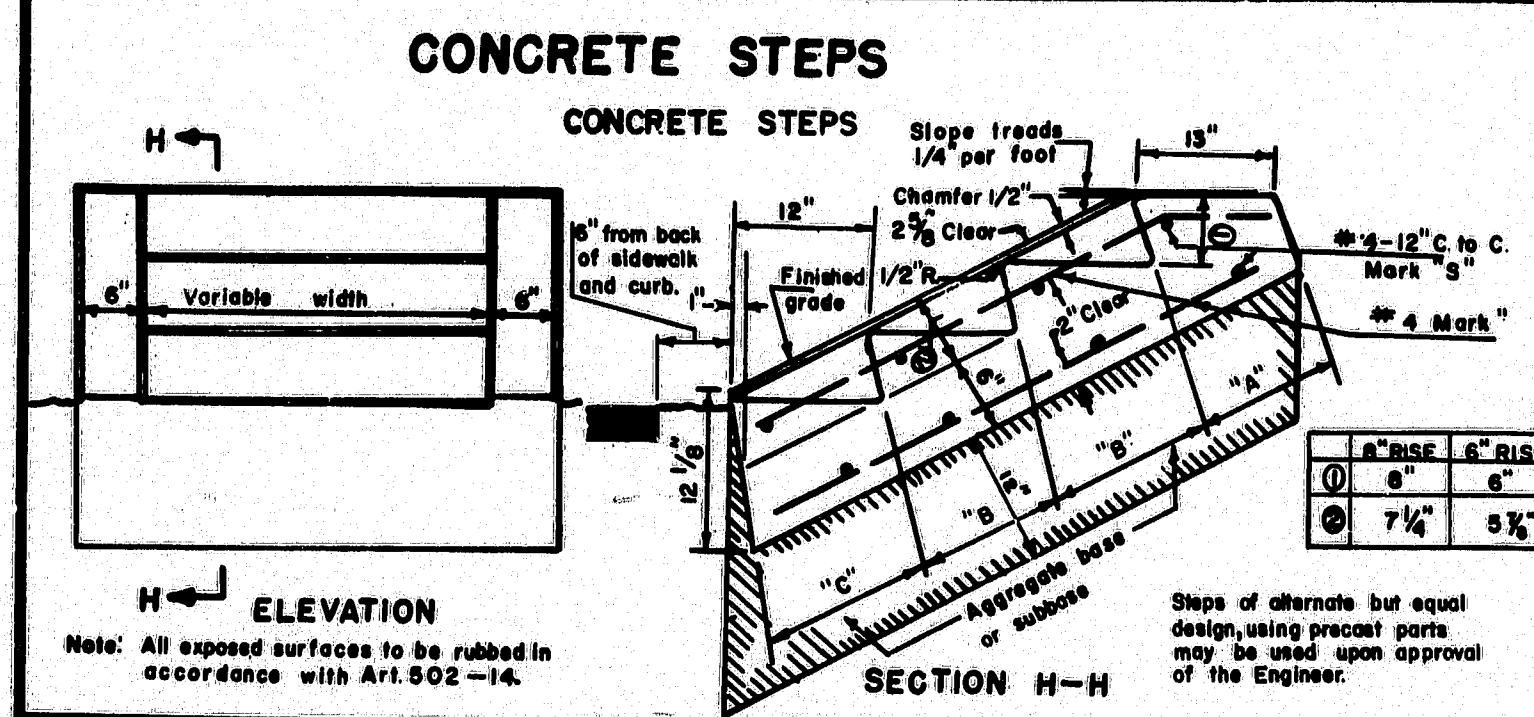
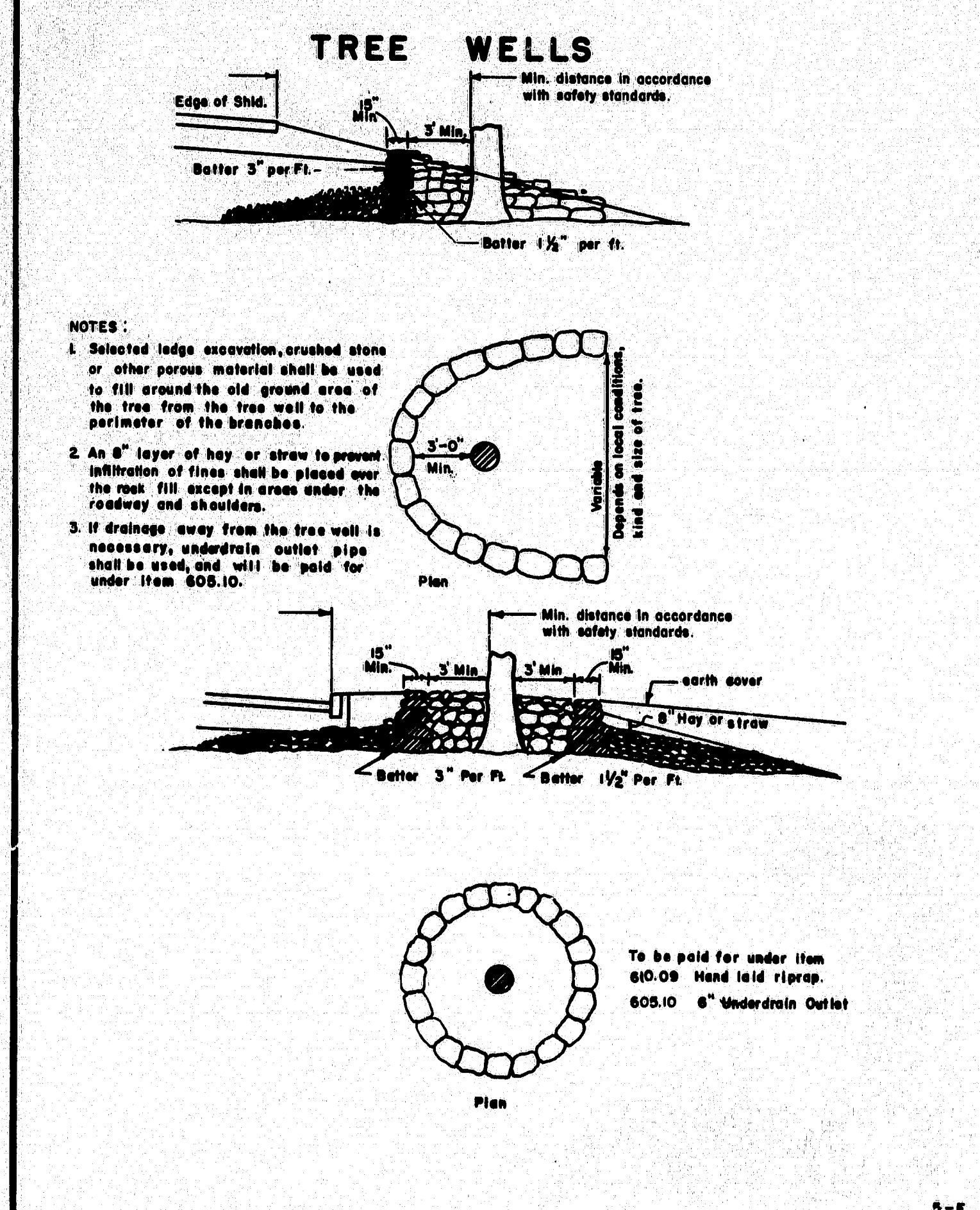
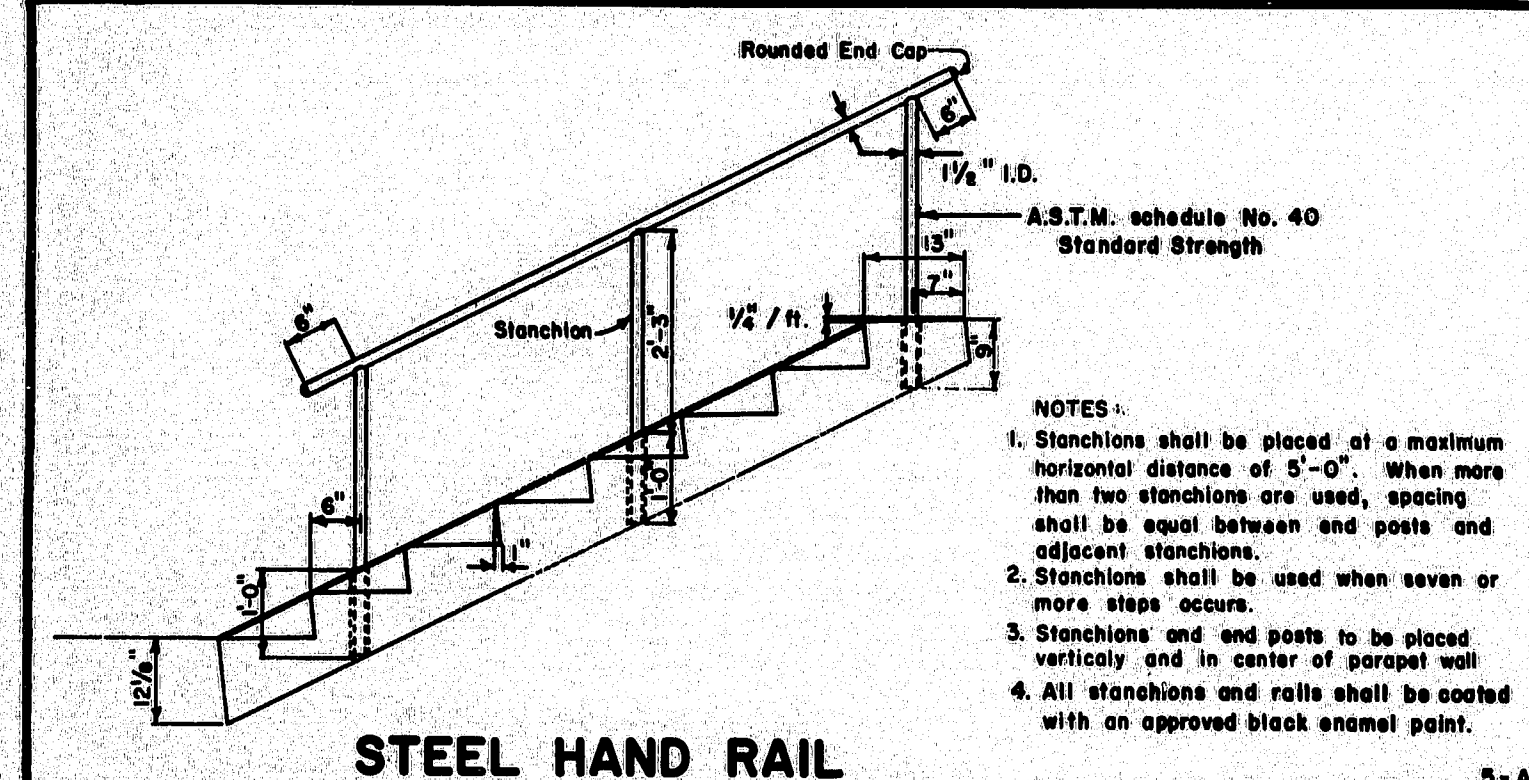
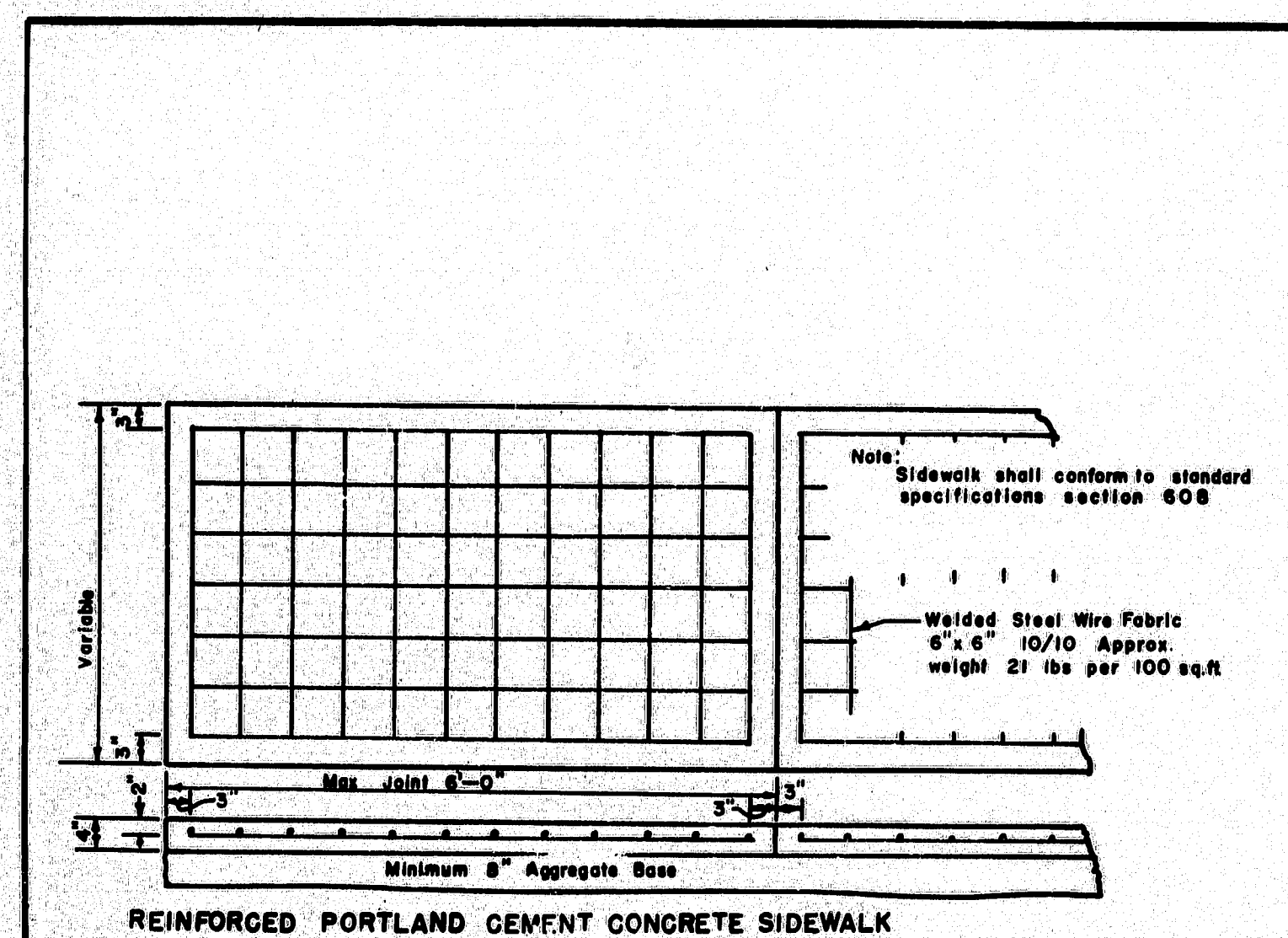
RAIL DETAIL

DESIGN SPECIFICATIONS
AASHTO Standard Specifications for Highway Bridges 1973, and Interims 1974, '75, '76, '77

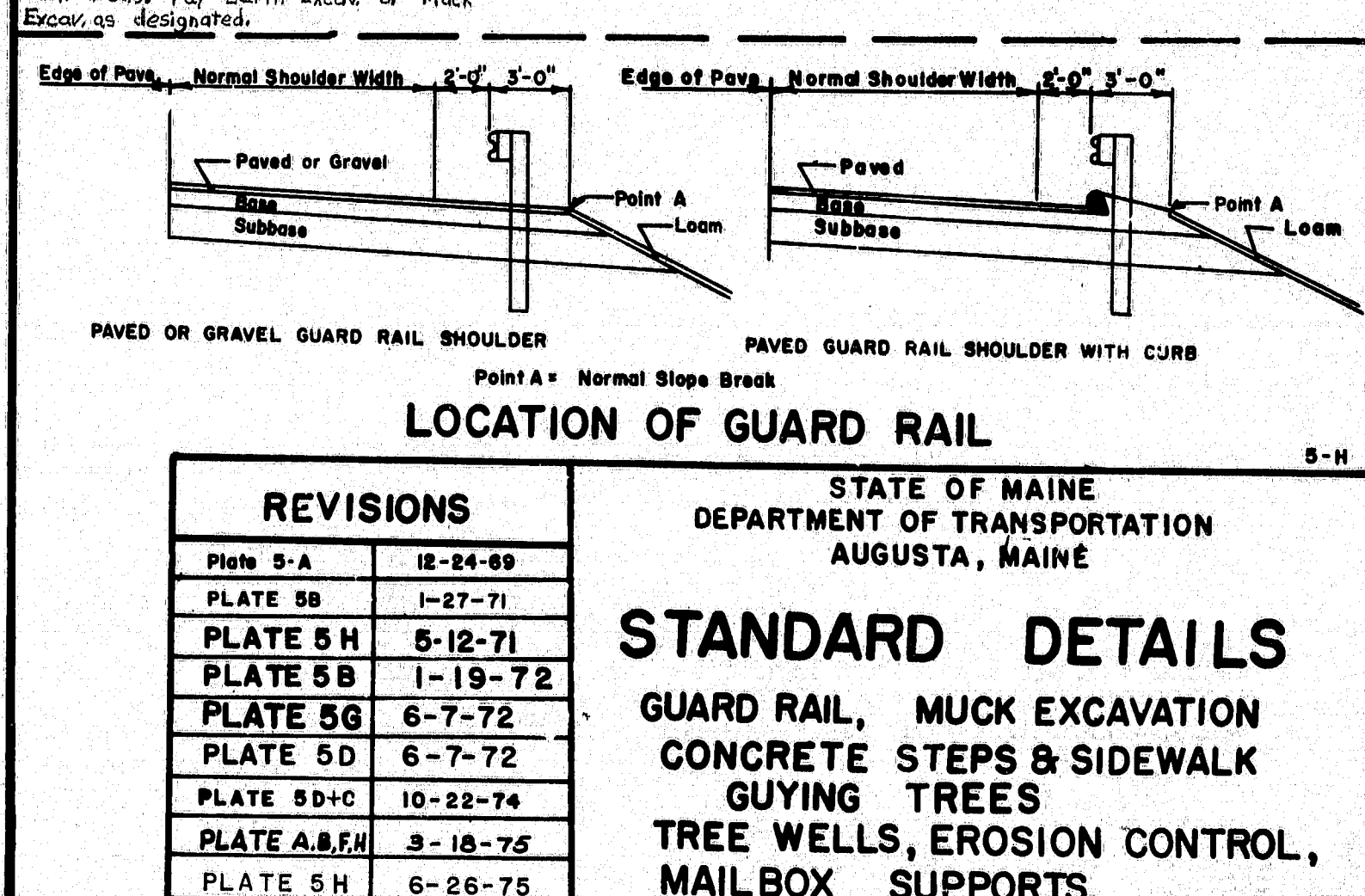
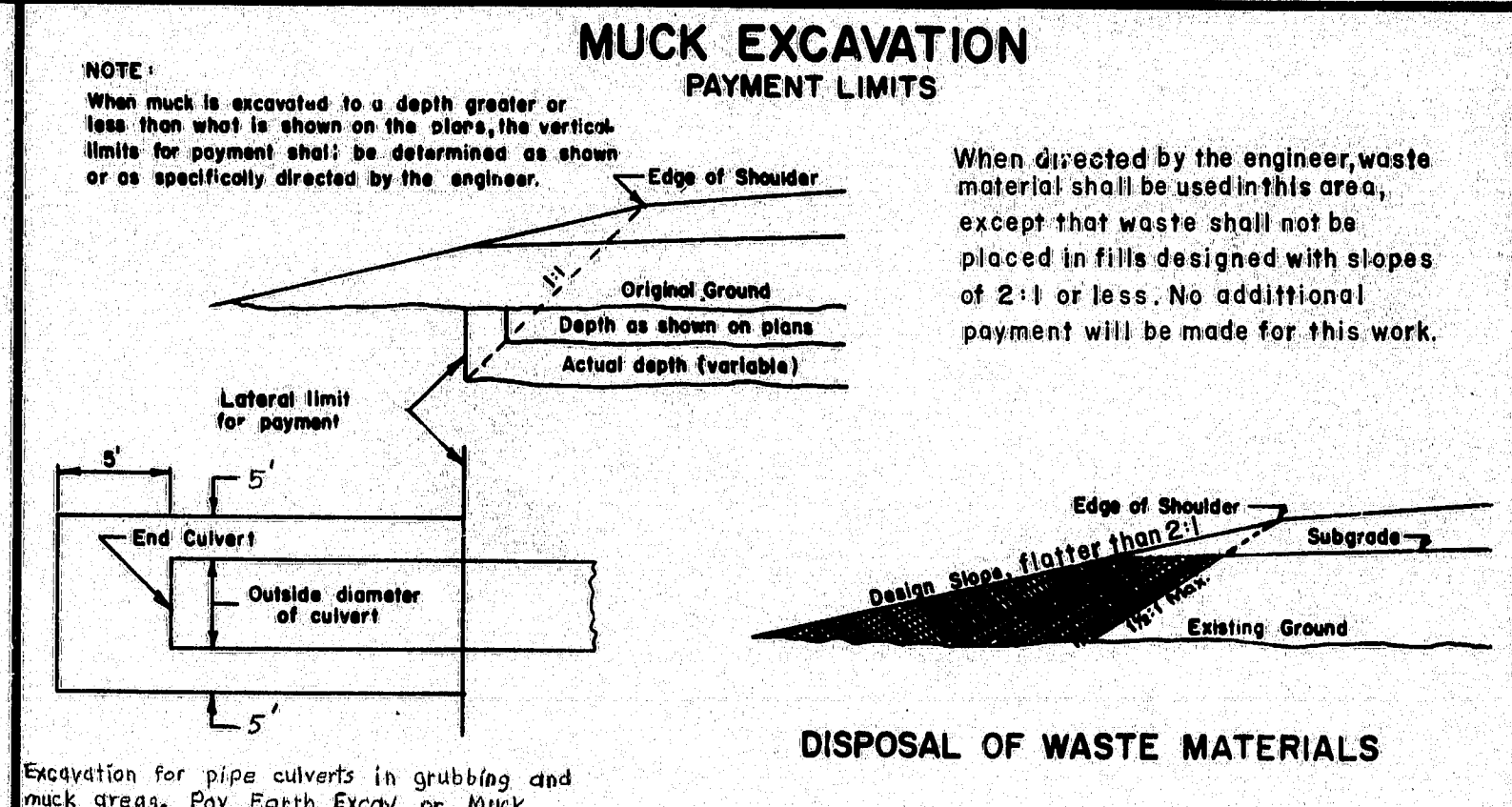
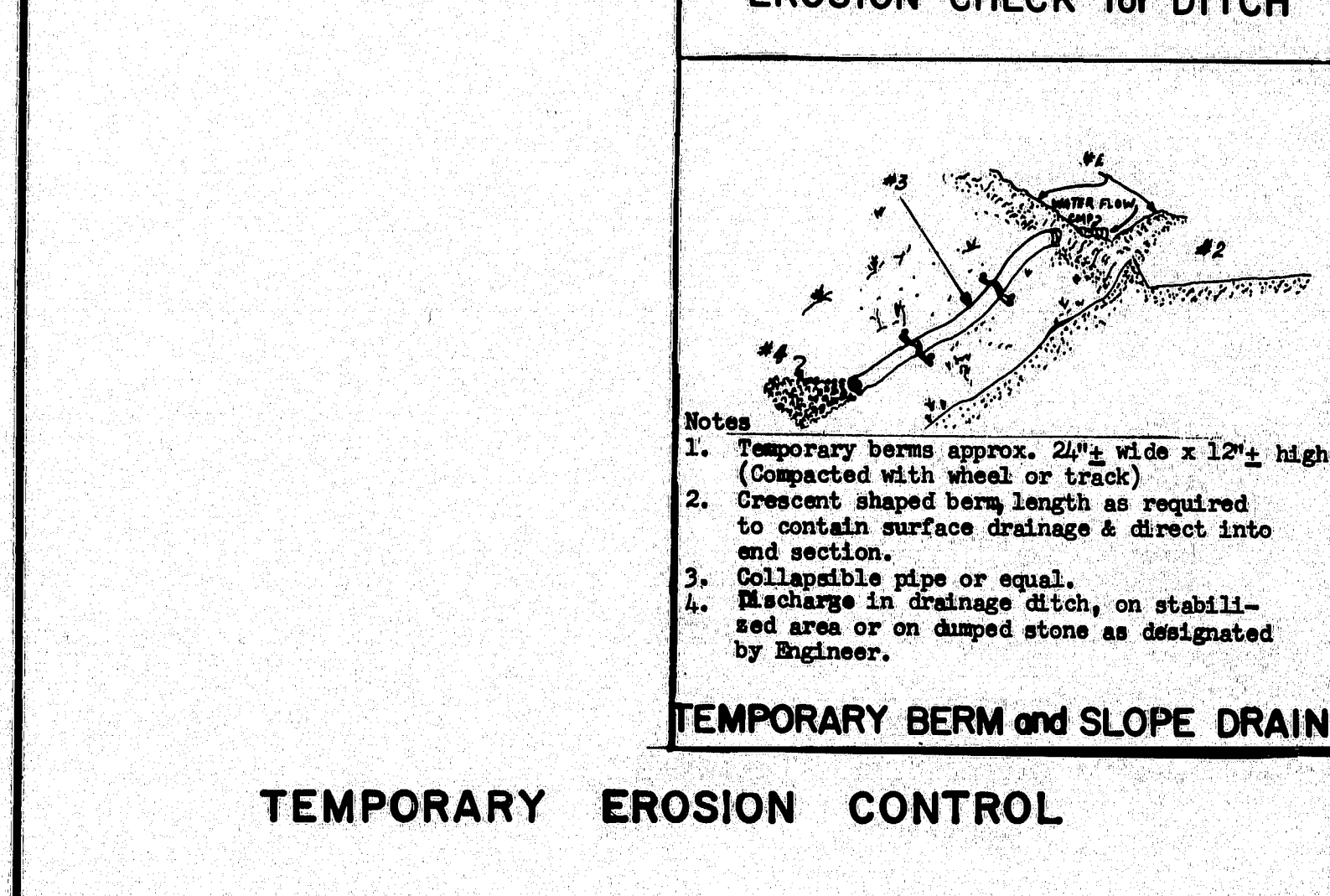
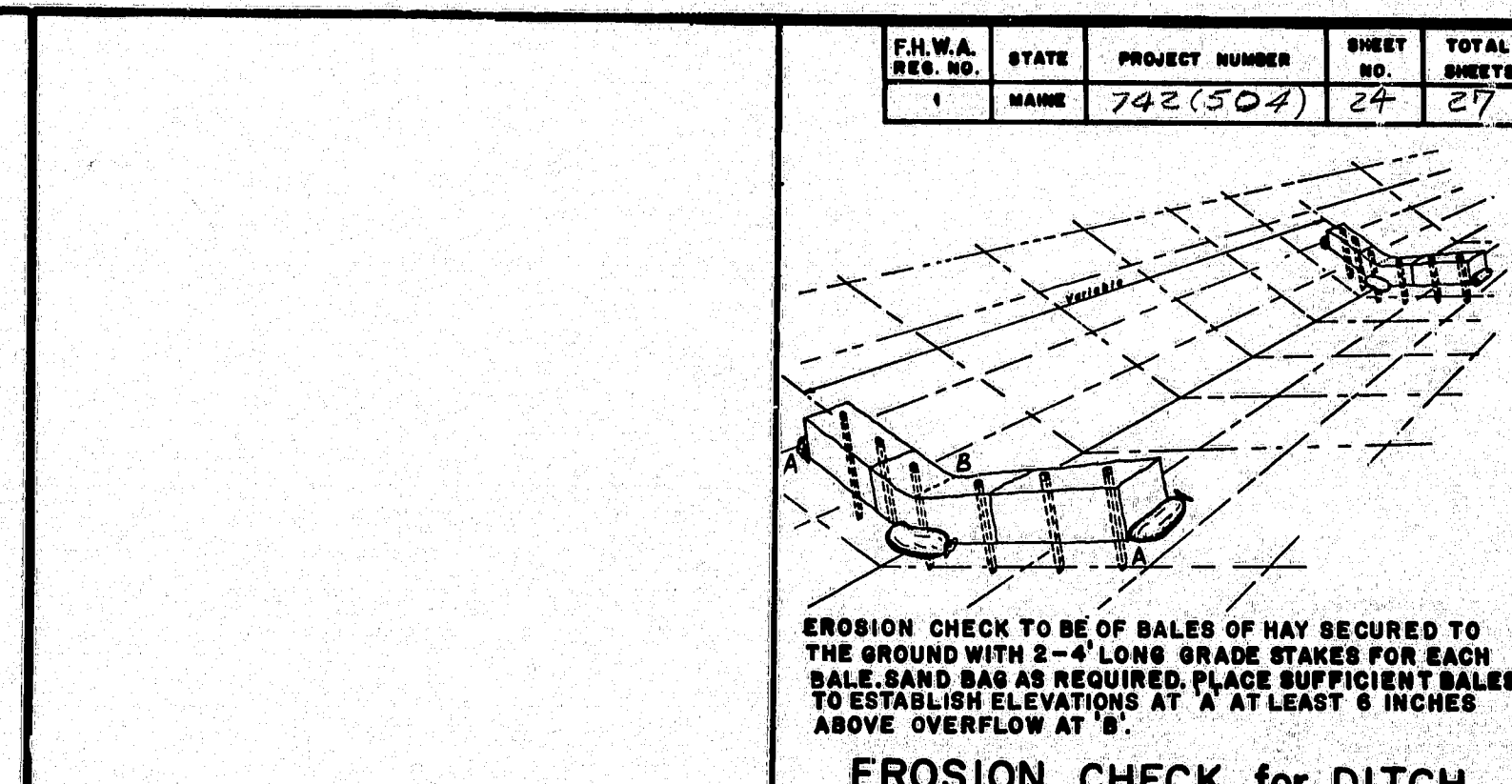
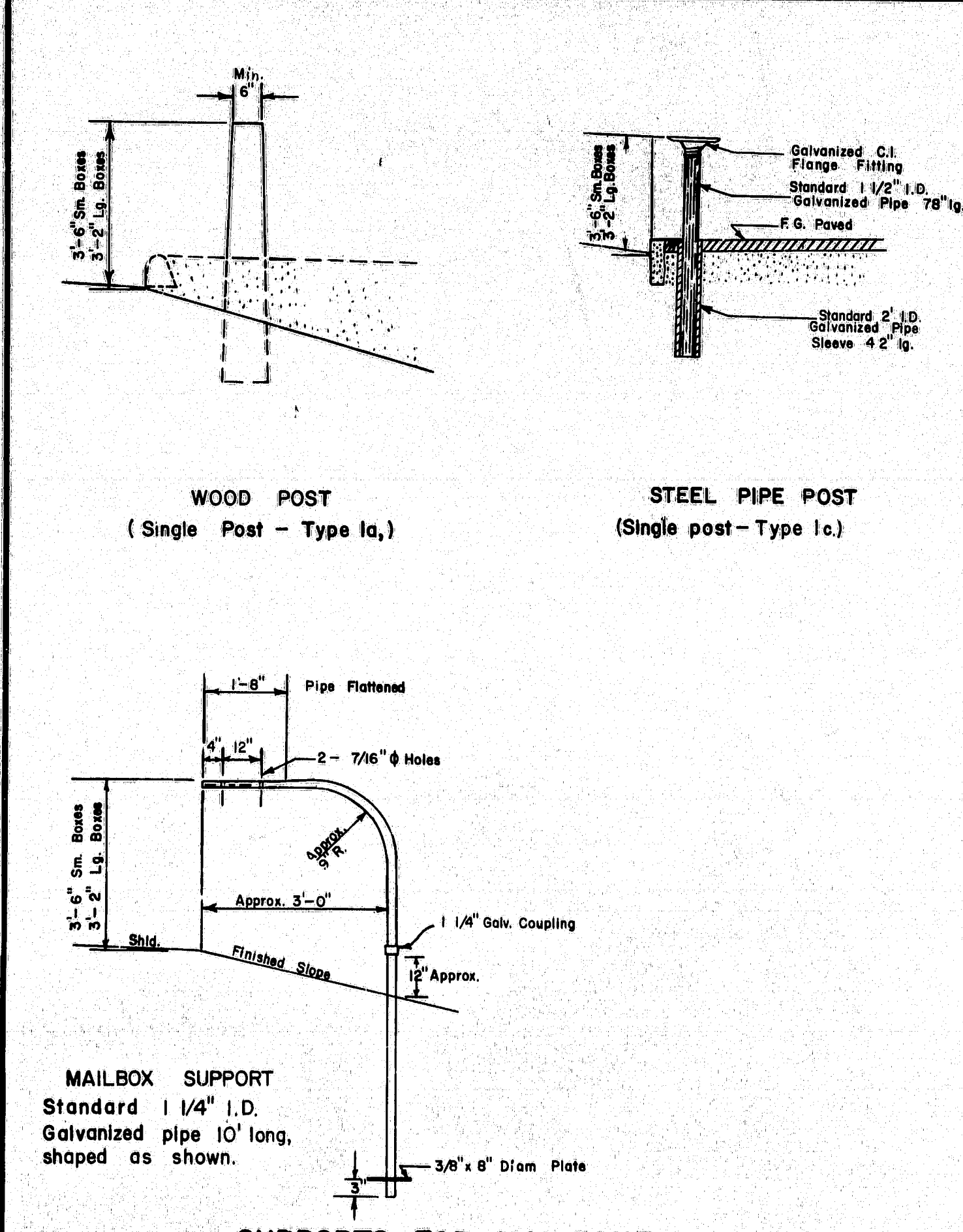
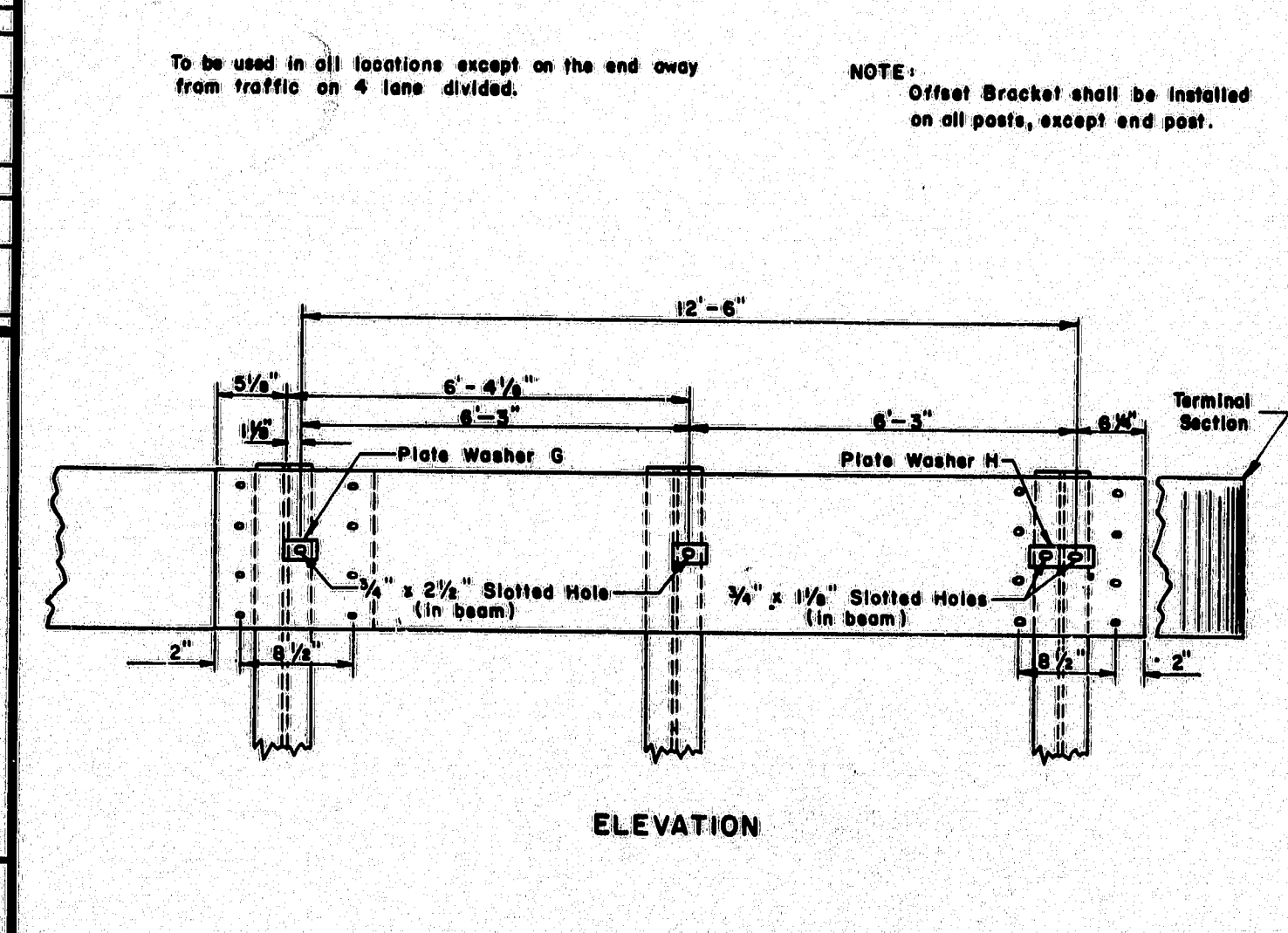
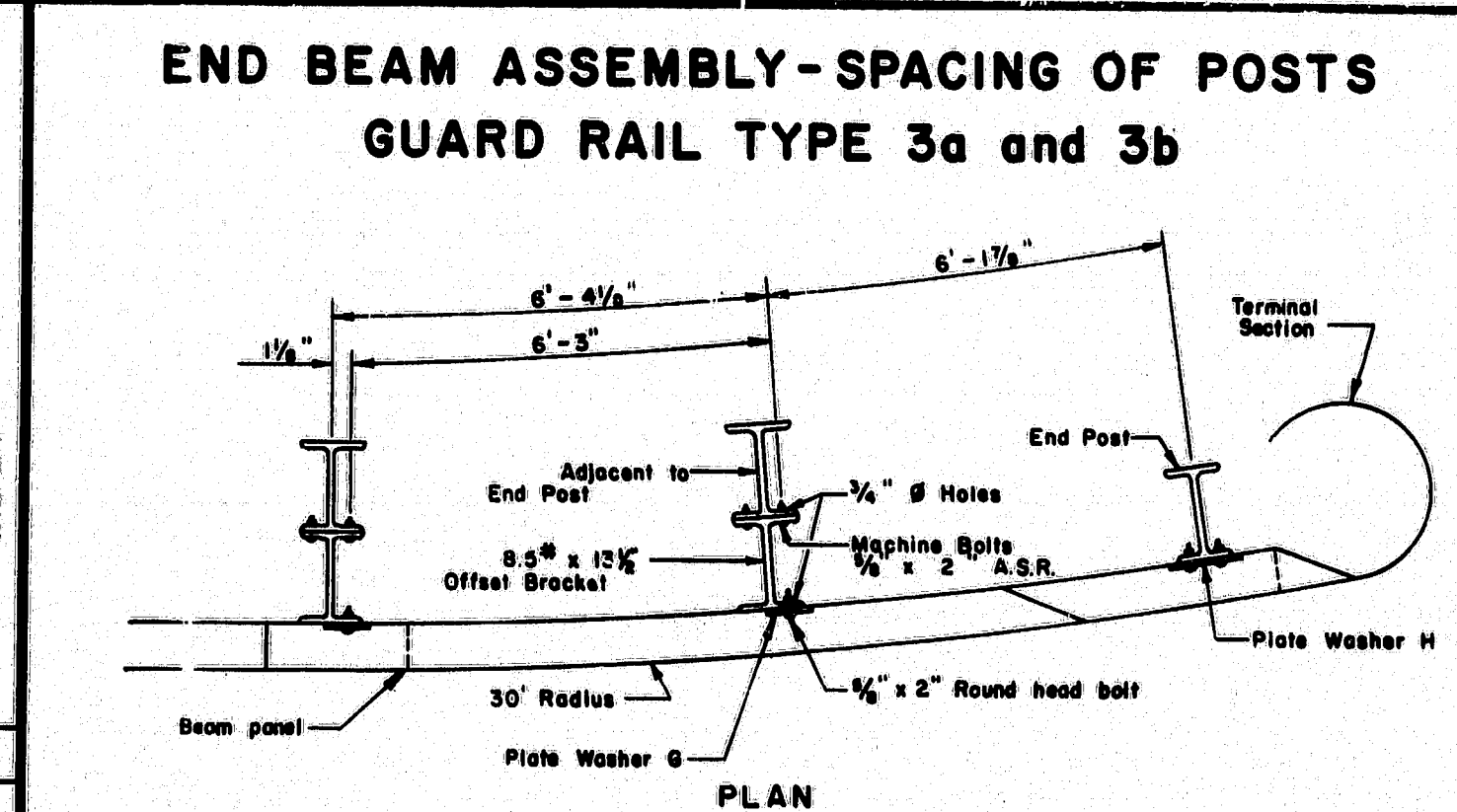
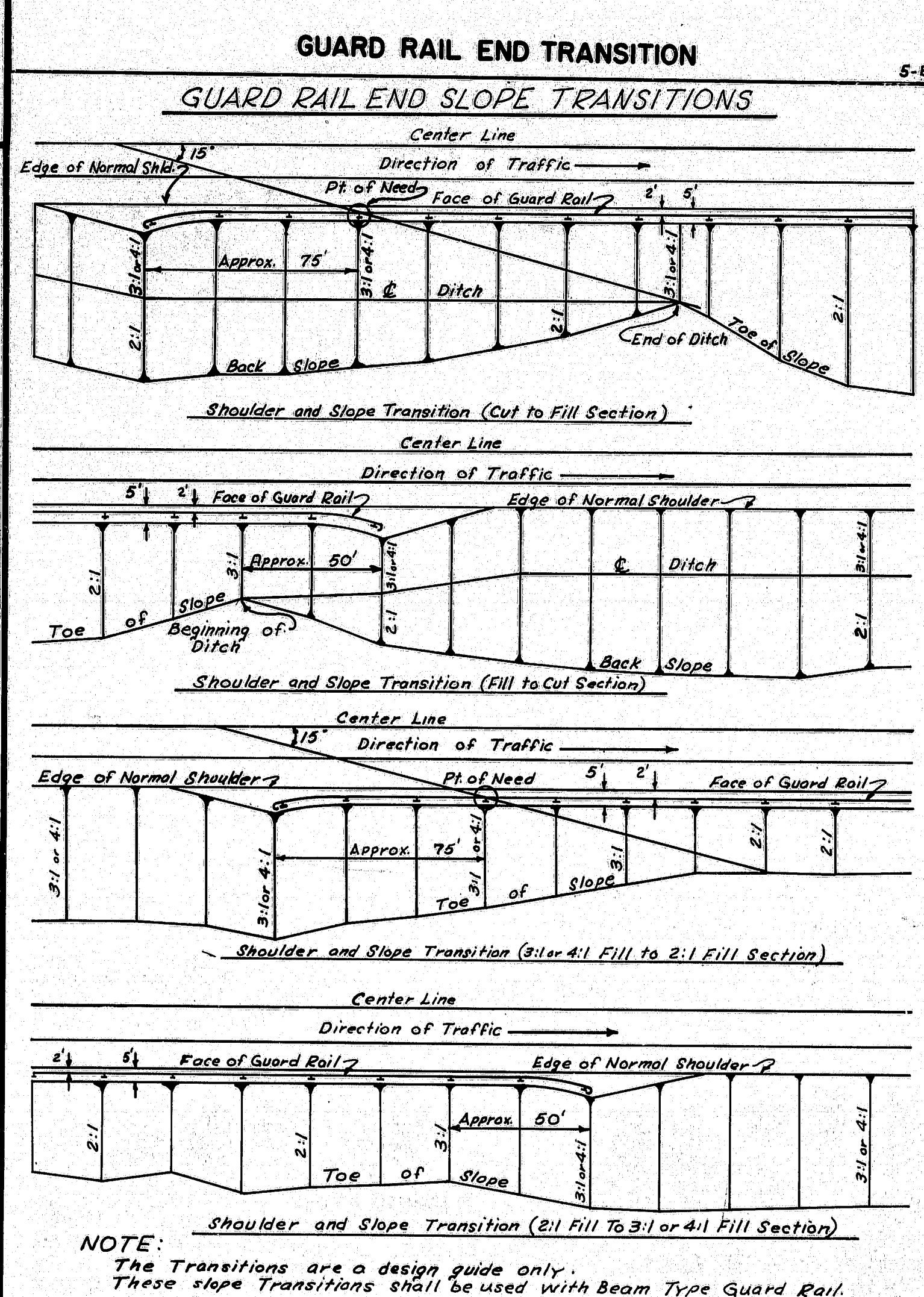
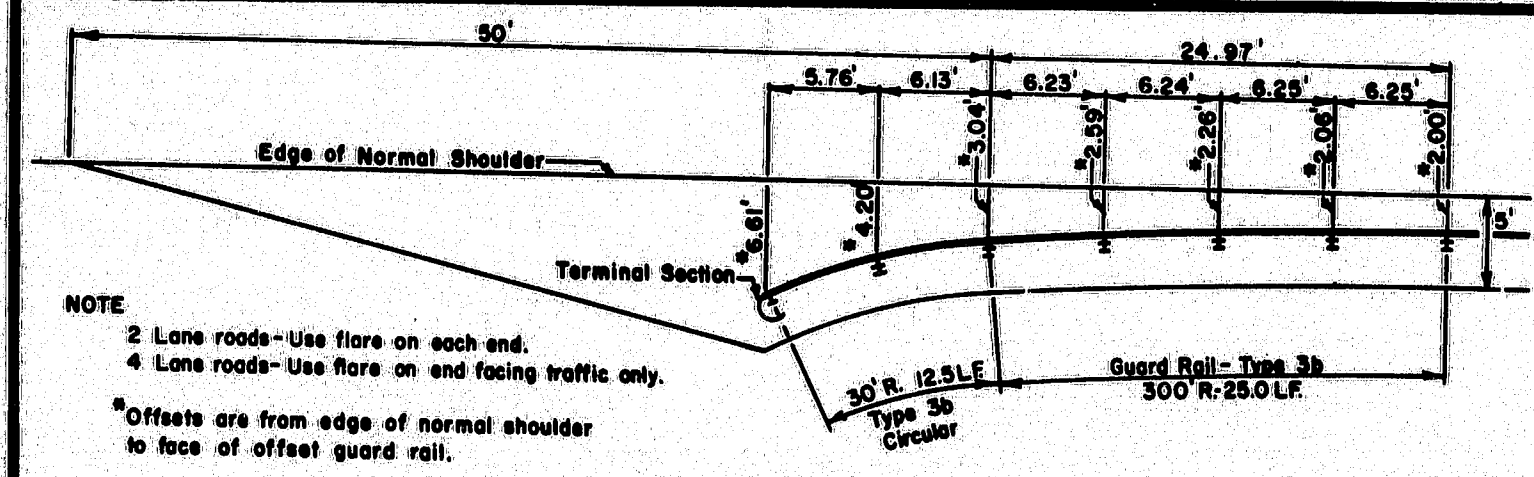
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STANDARD DETAILS
(BD 114-77)
ALUMINUM BRIDGE RAILING
2 - BAR (SEMI-ELLIPSE)
TYPE "A"

SHEET 23 OF 27 AUGUSTA, MAINE DEC. 1977

173-46

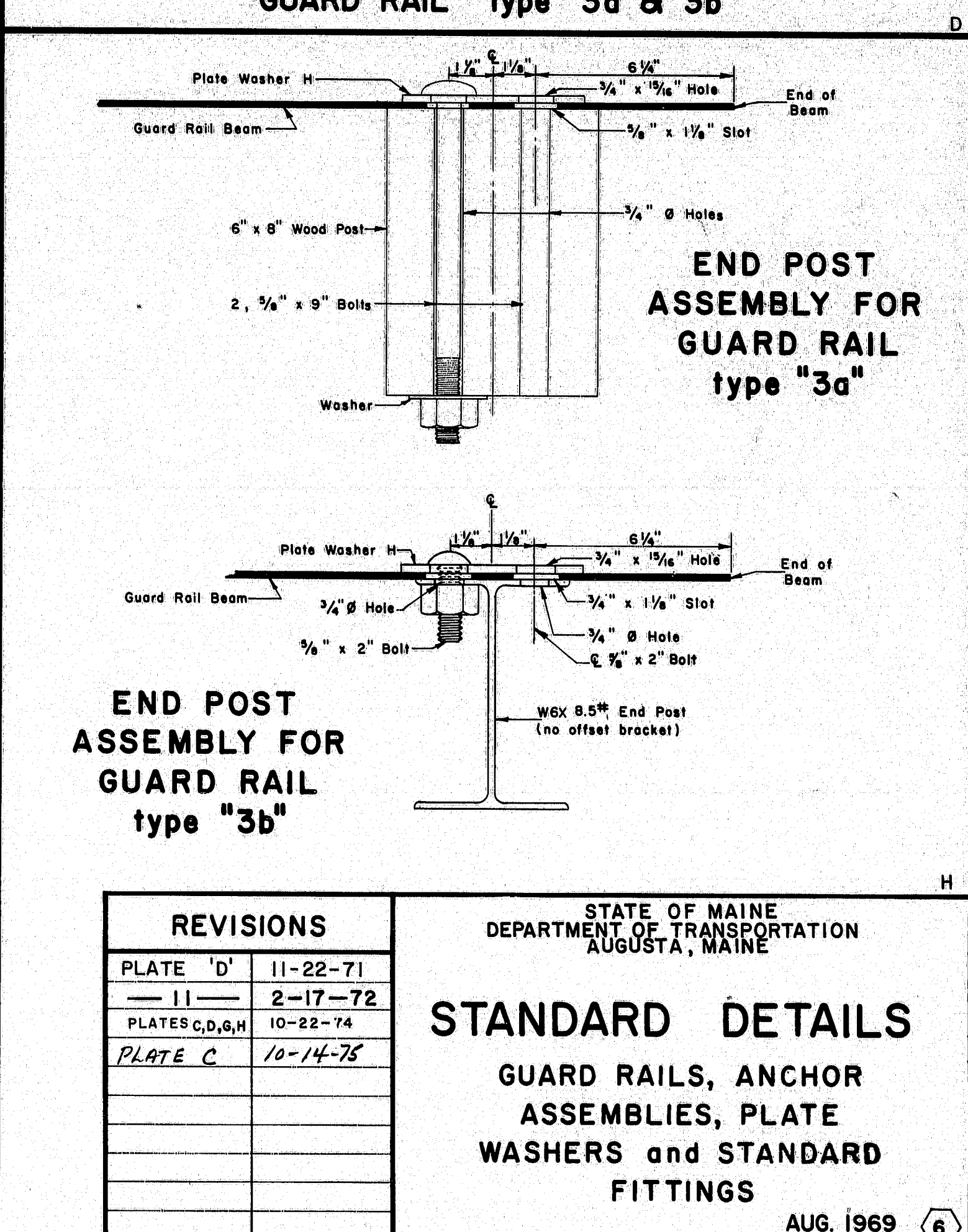
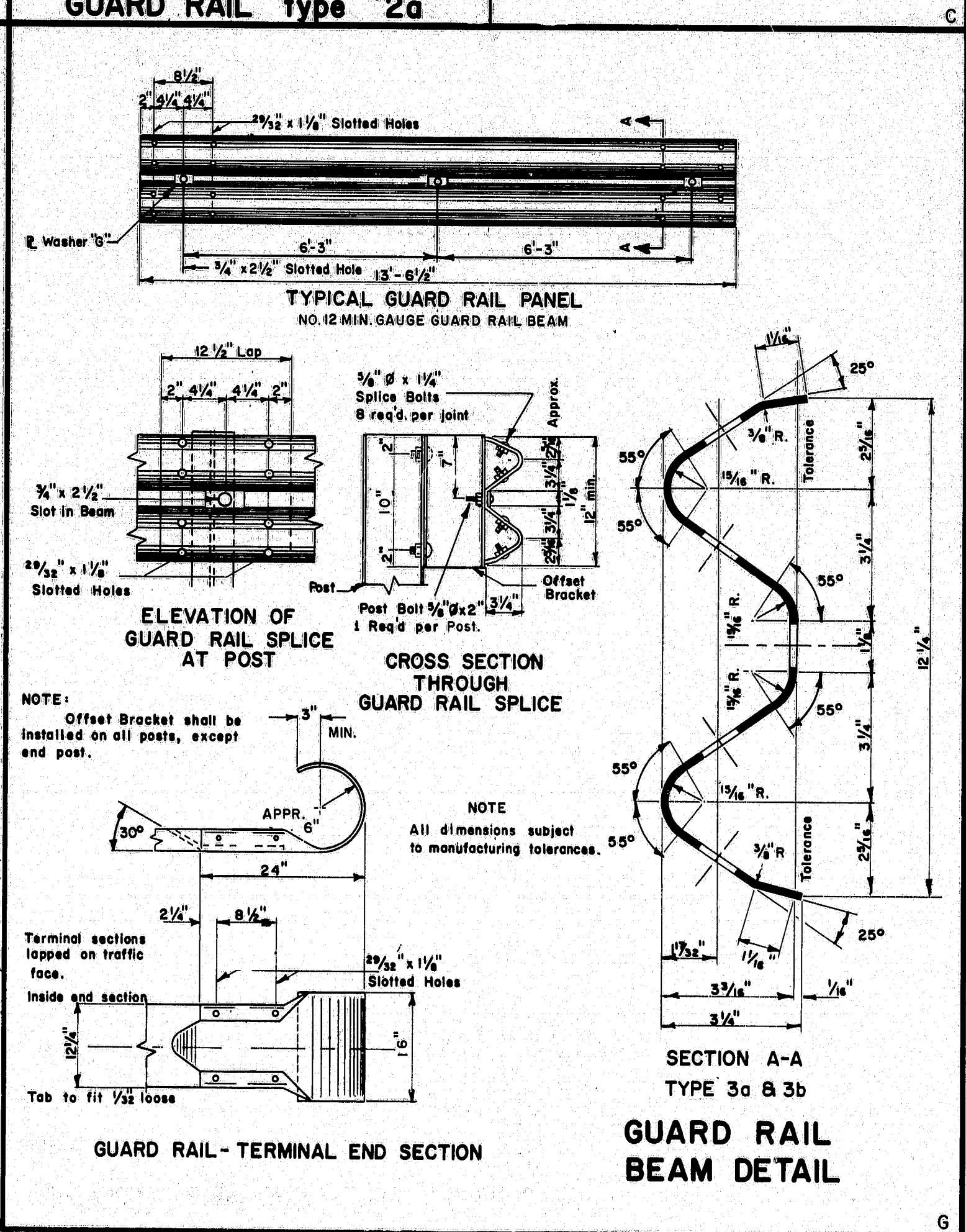
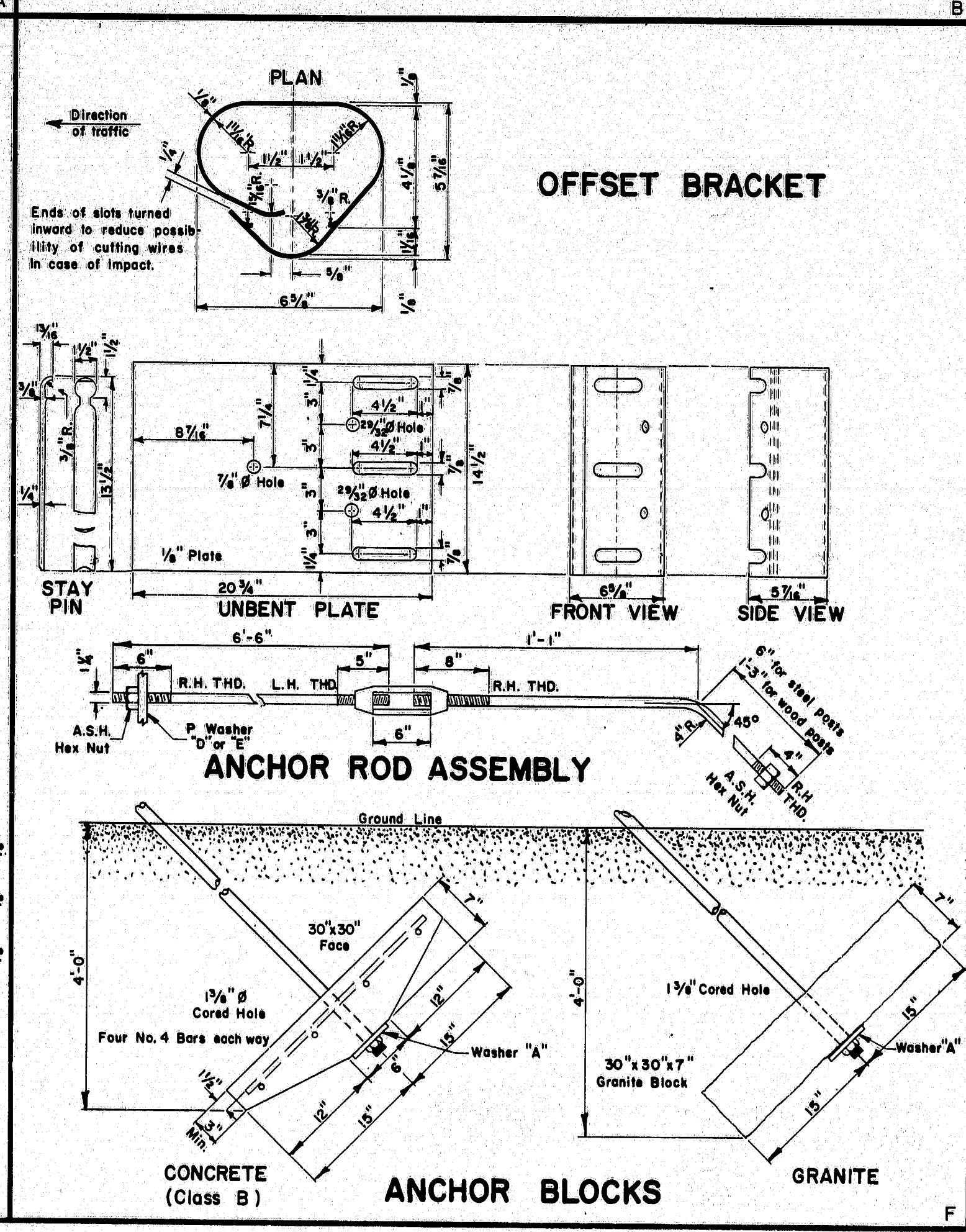
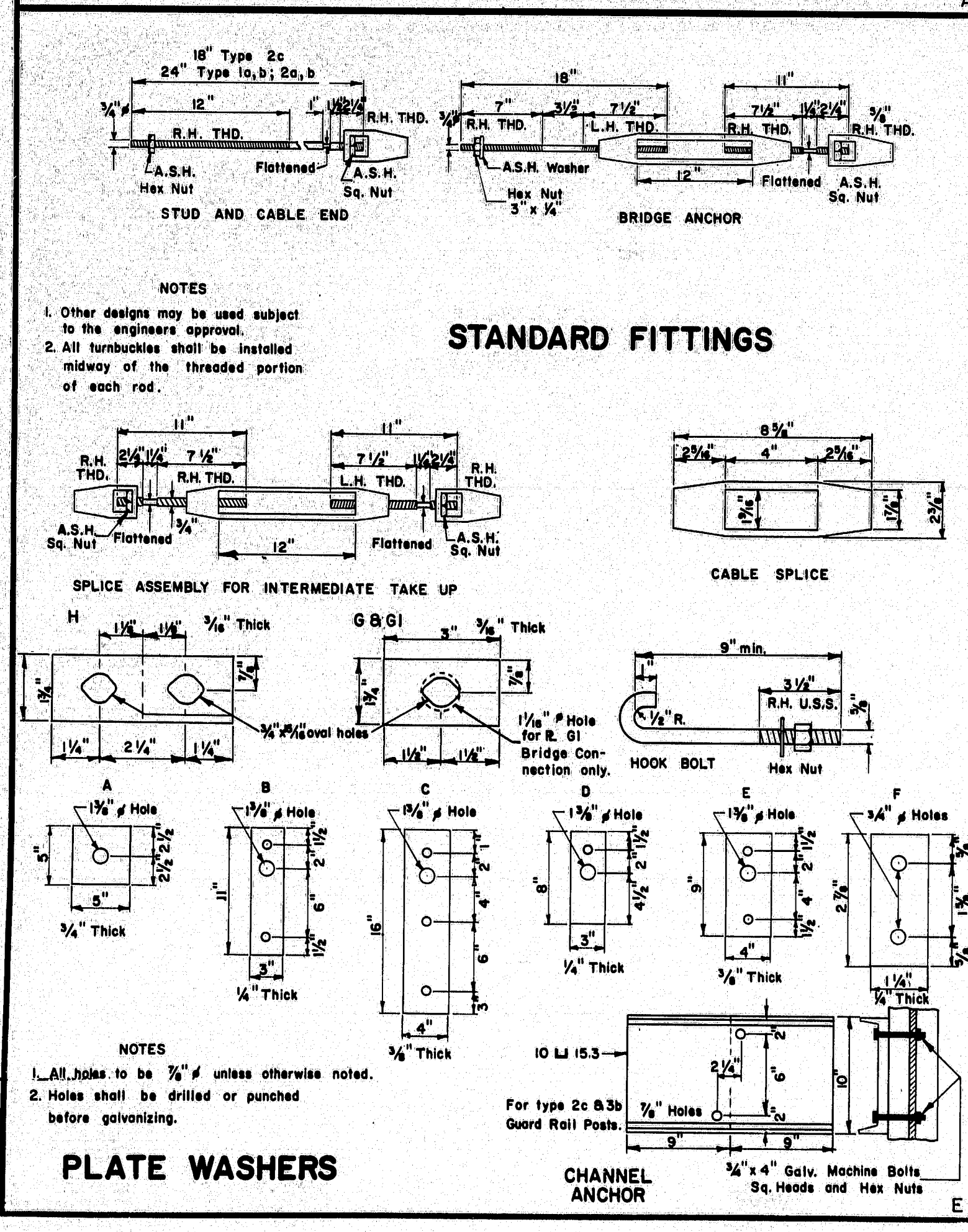


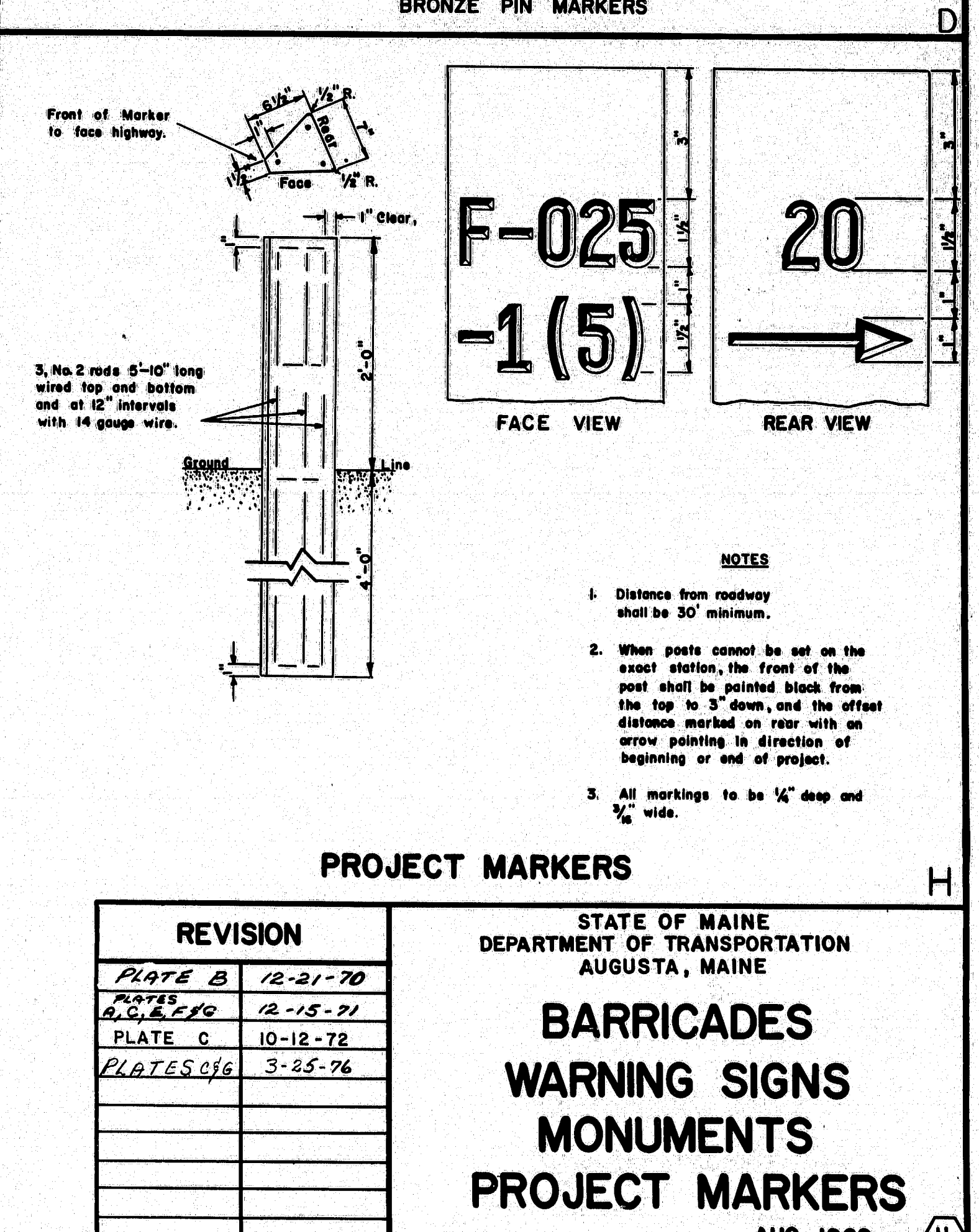
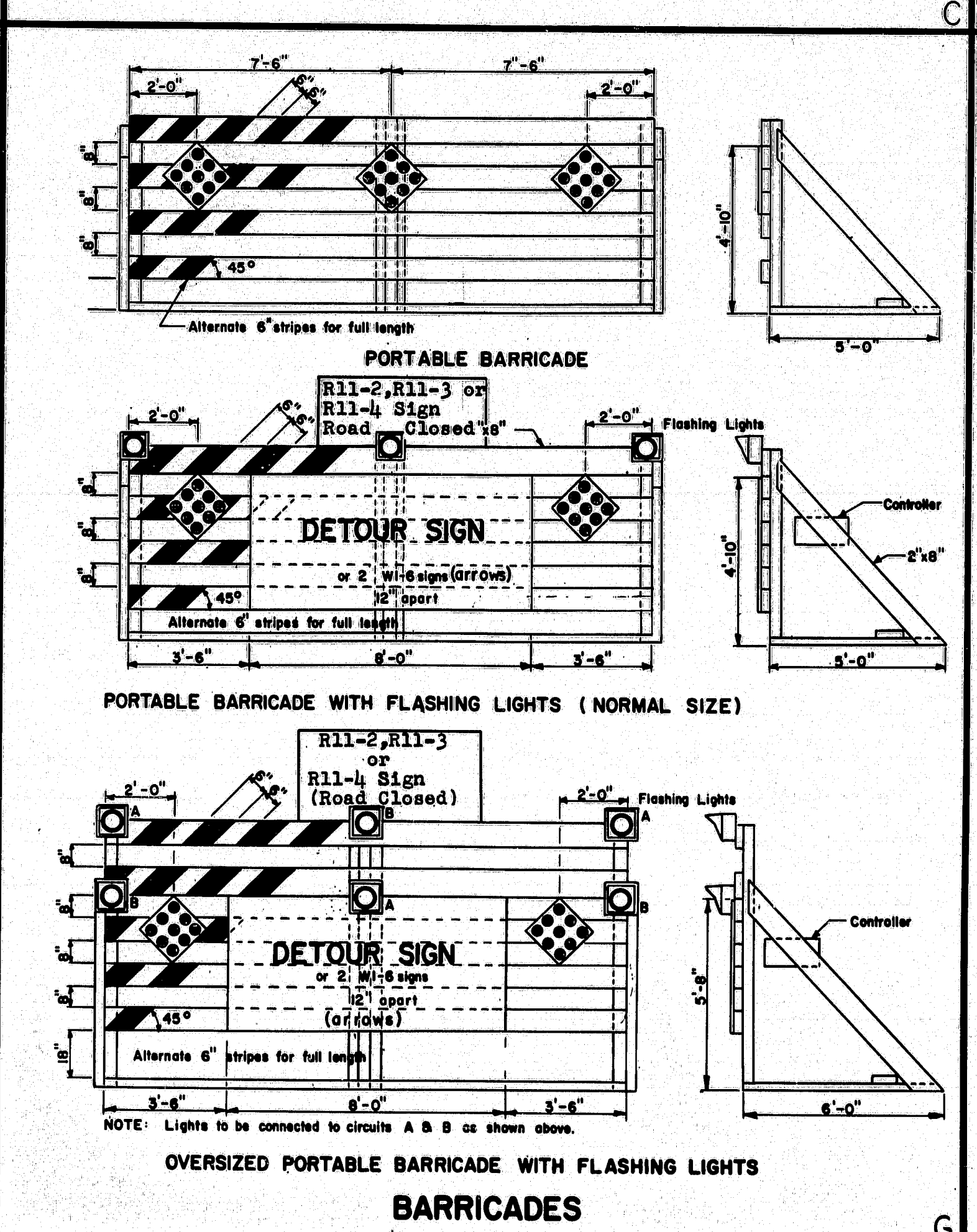
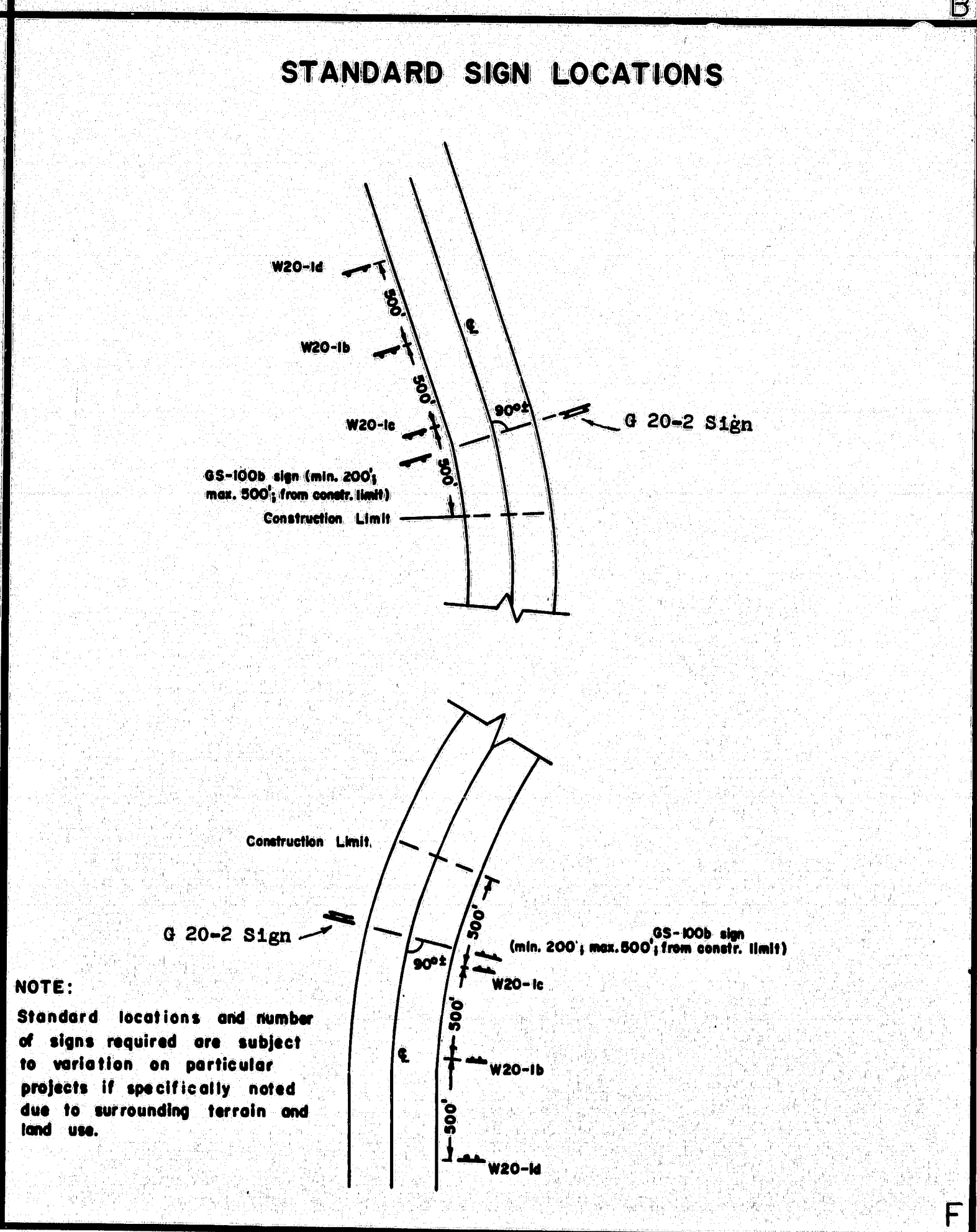
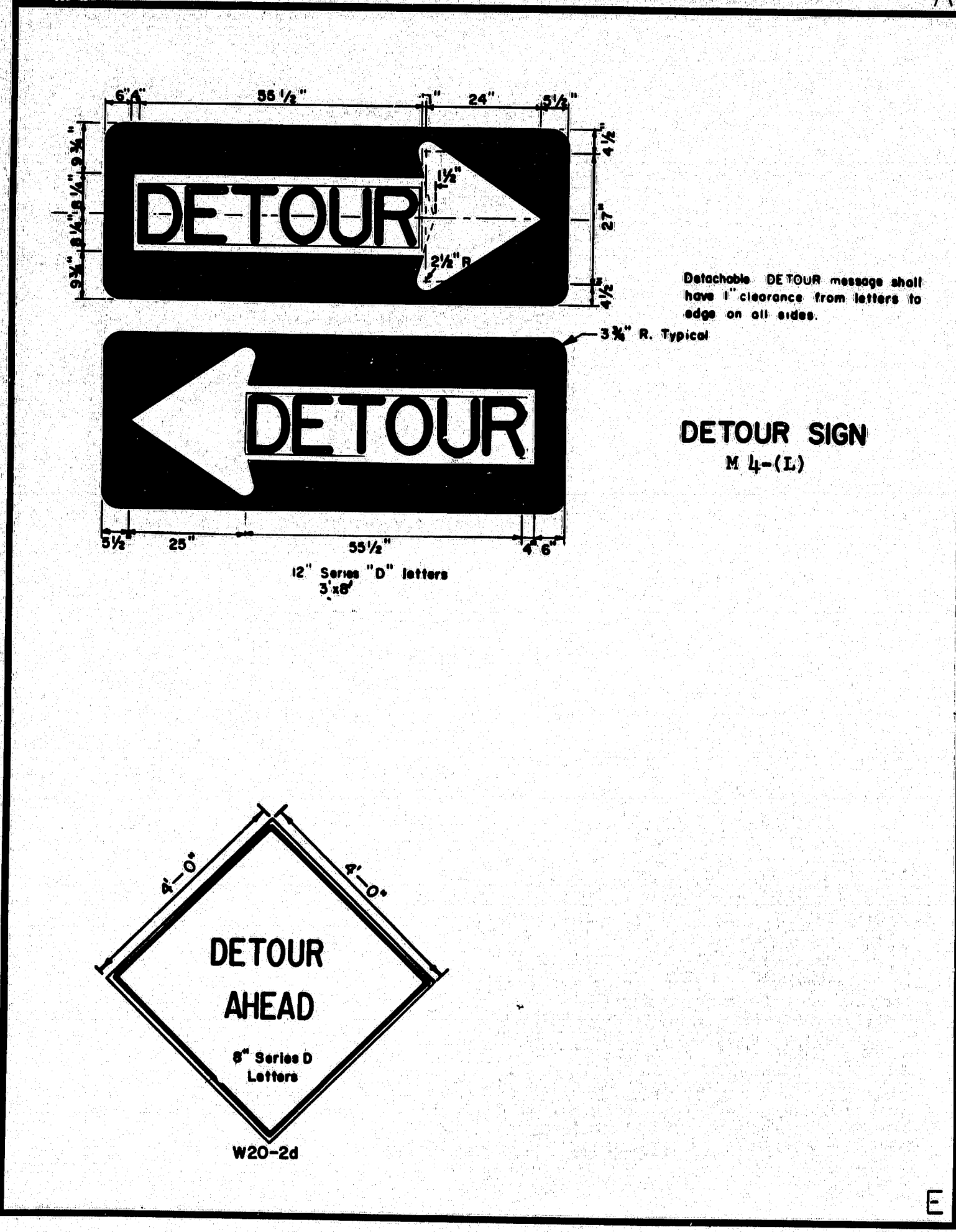
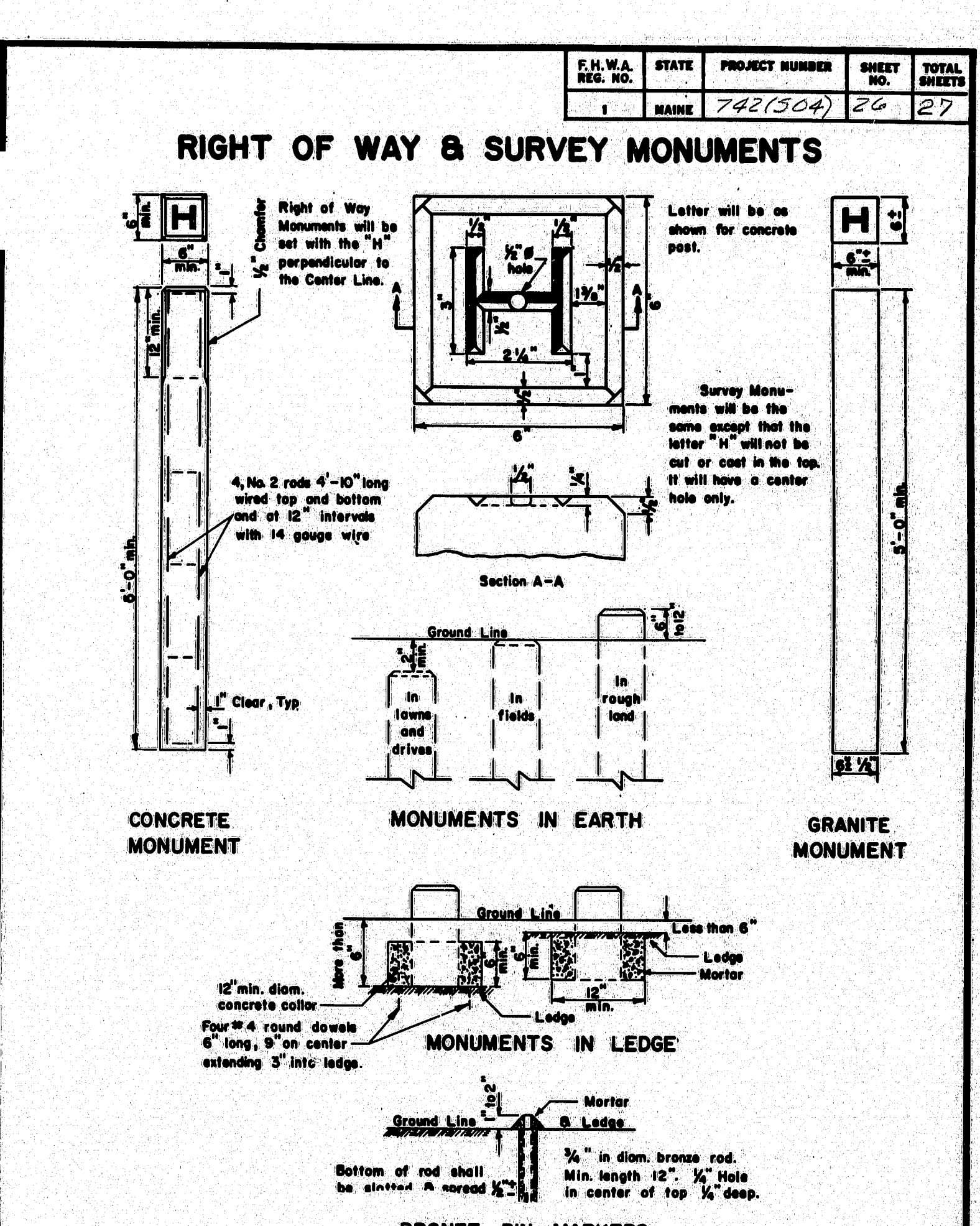
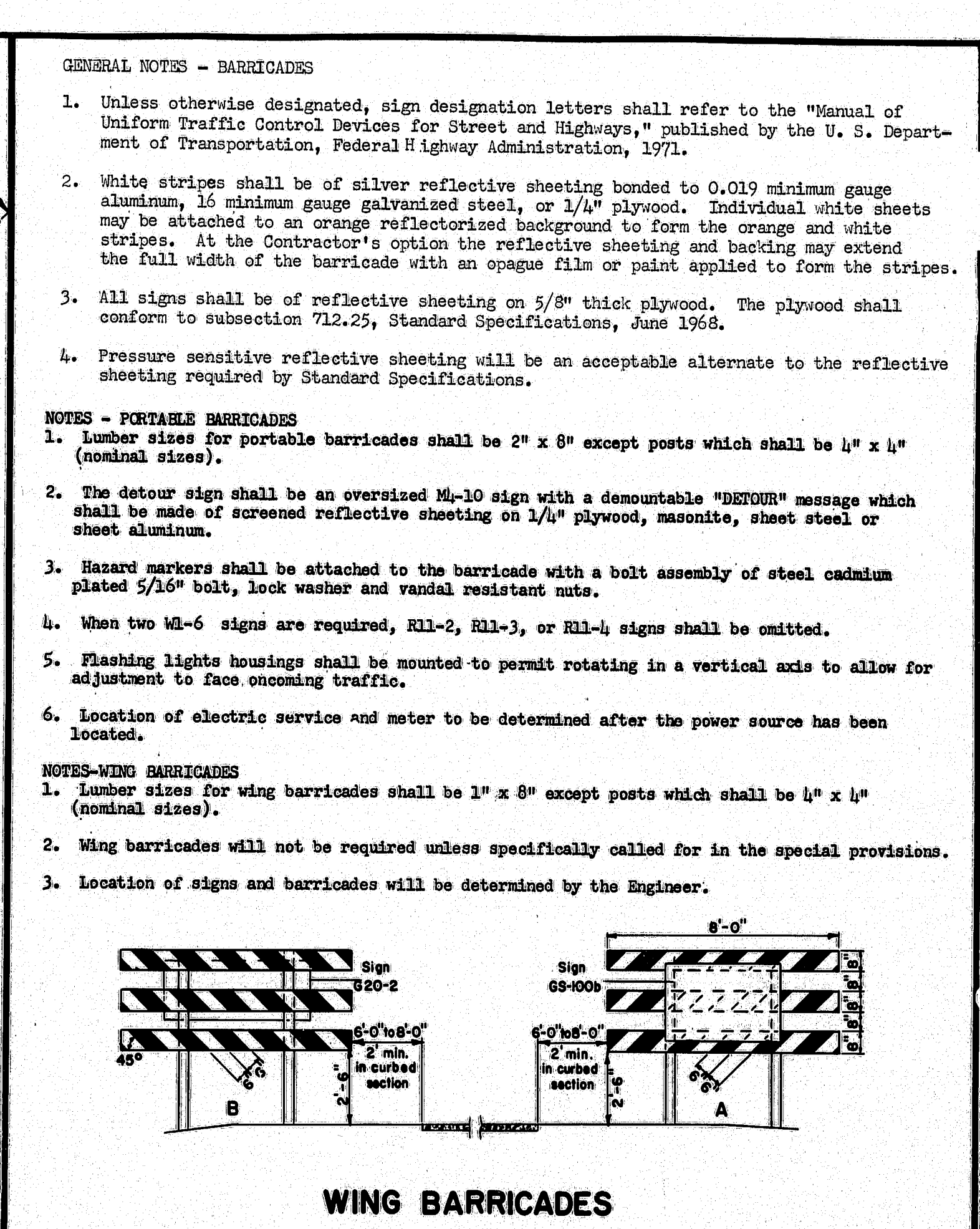
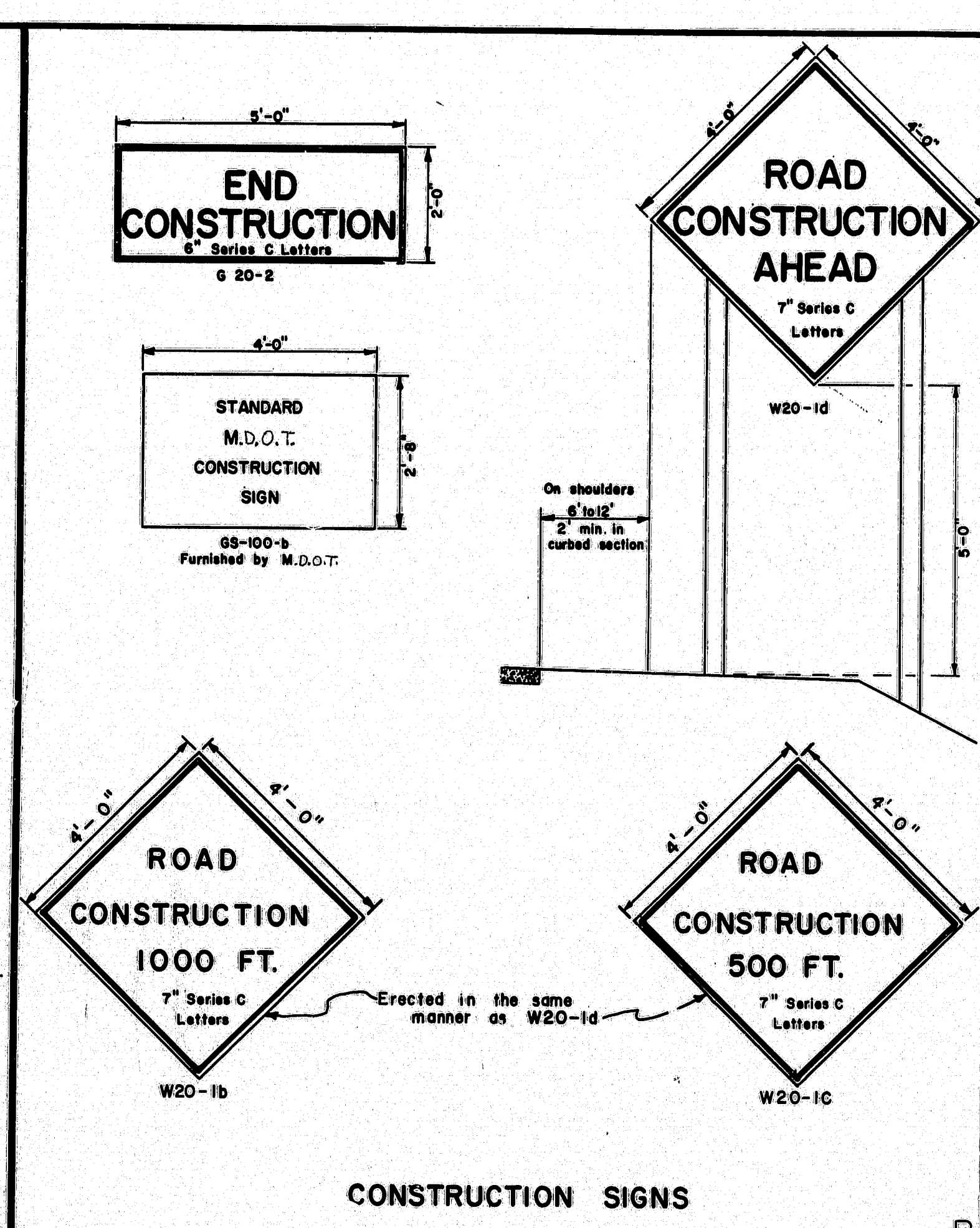
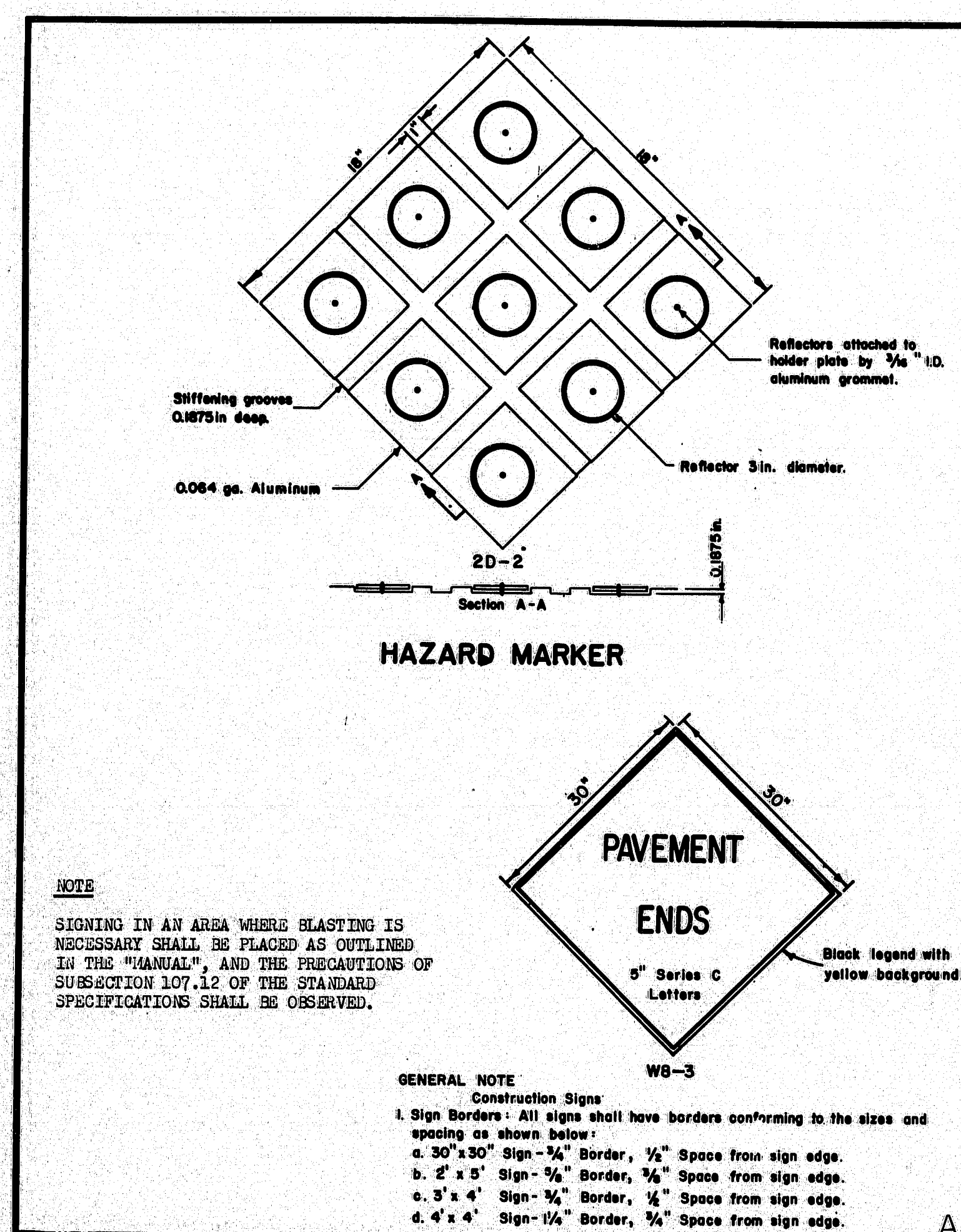
6" RISE - 12" TREAD (2:1) SLOPE				6" RISE - 12" TREAD (1 1/2:1) SLOPE			
Mark	Size	Number	Length (Each)	Mark	Size	Number	Length (Each)
R	#4	2 Each parapet	17' For "A"	R	#4	2 Each parapet	17' For "A"
		1 Each ft. of width	+13' For each "A"			1 Each ft. of width	+13' For each "A"
S	#4	2 For "A"	+12' For "C"	S	#4	2 For "A"	+12' For "C"
		4 Each parapet	+12' Per ft. of width			4 Each parapet	+12' Per ft. of width



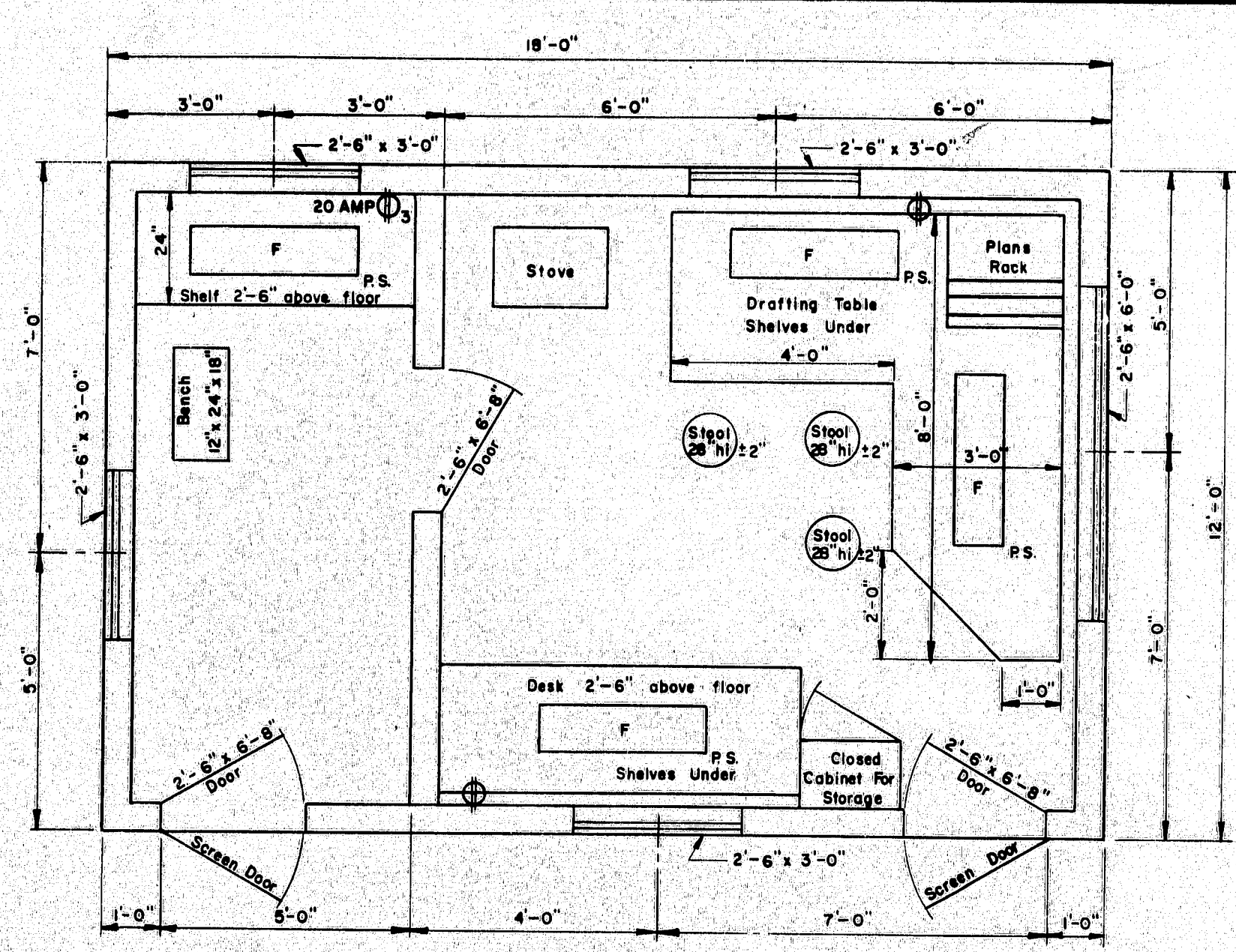
REVISIONS		STATE OF MAINE DEPARTMENT OF TRANSPORTATION AUGUSTA, MAINE	
PLATE 5-A	12-24-69	STANDARD DETAILS GUARD RAIL, MUCK EXCAVATION CONCRETE STEPS & SIDEWALK GUYING TREES TREE WELLS, EROSION CONTROL, MAILBOX SUPPORTS. AUG. 1969	
PLATE 5B	1-27-71		
PLATE 5H	5-12-71		
PLATE 5B	1-19-72		
PLATE 5D	6-7-72		
PLATE 5D	6-7-72		
PLATE 5D+C	10-22-74		
PLATE A.B.F.H	3-18-75		
PLATE 5H	6-26-75		
PLATE G	10-14-75		

173-47

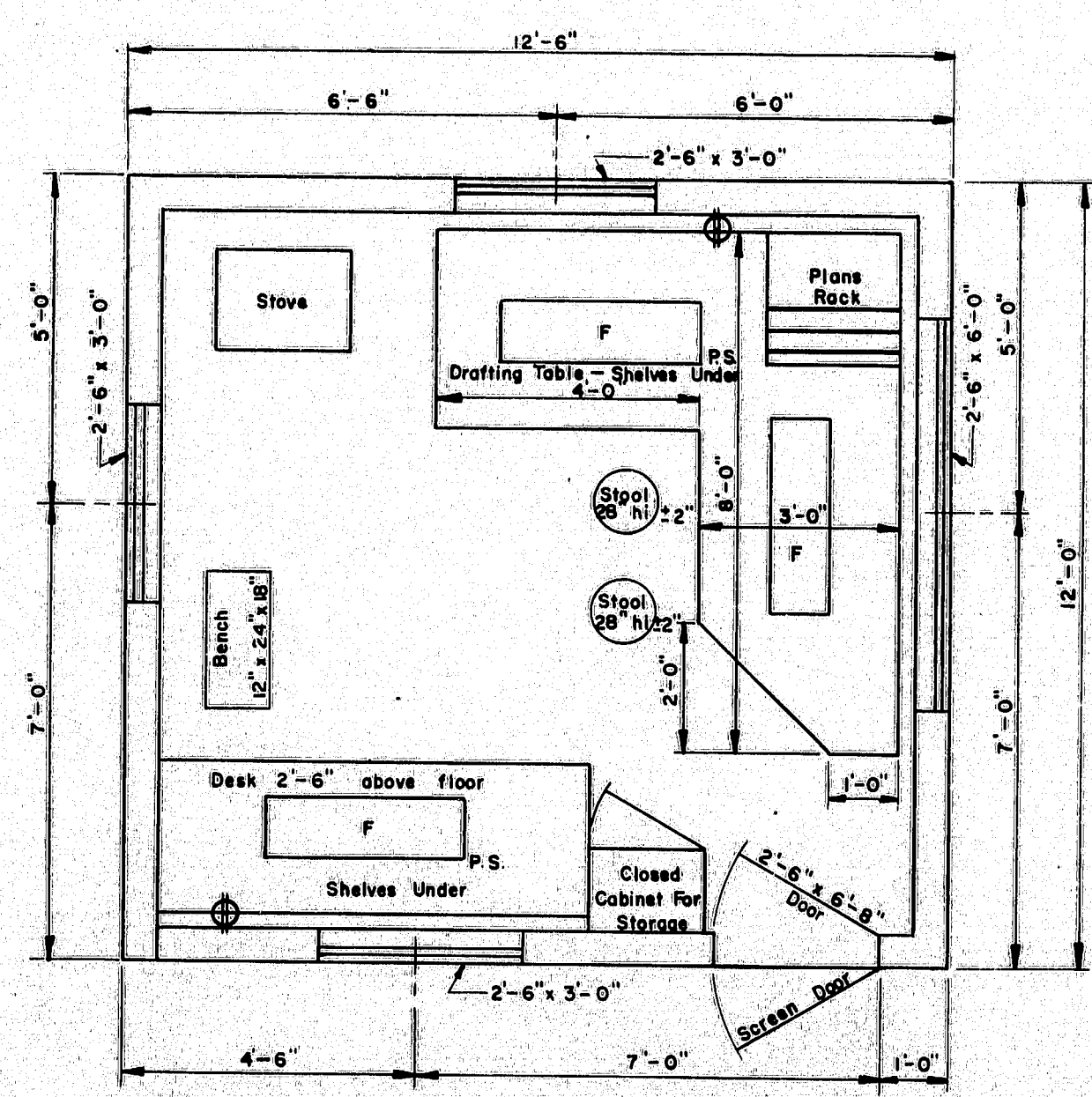




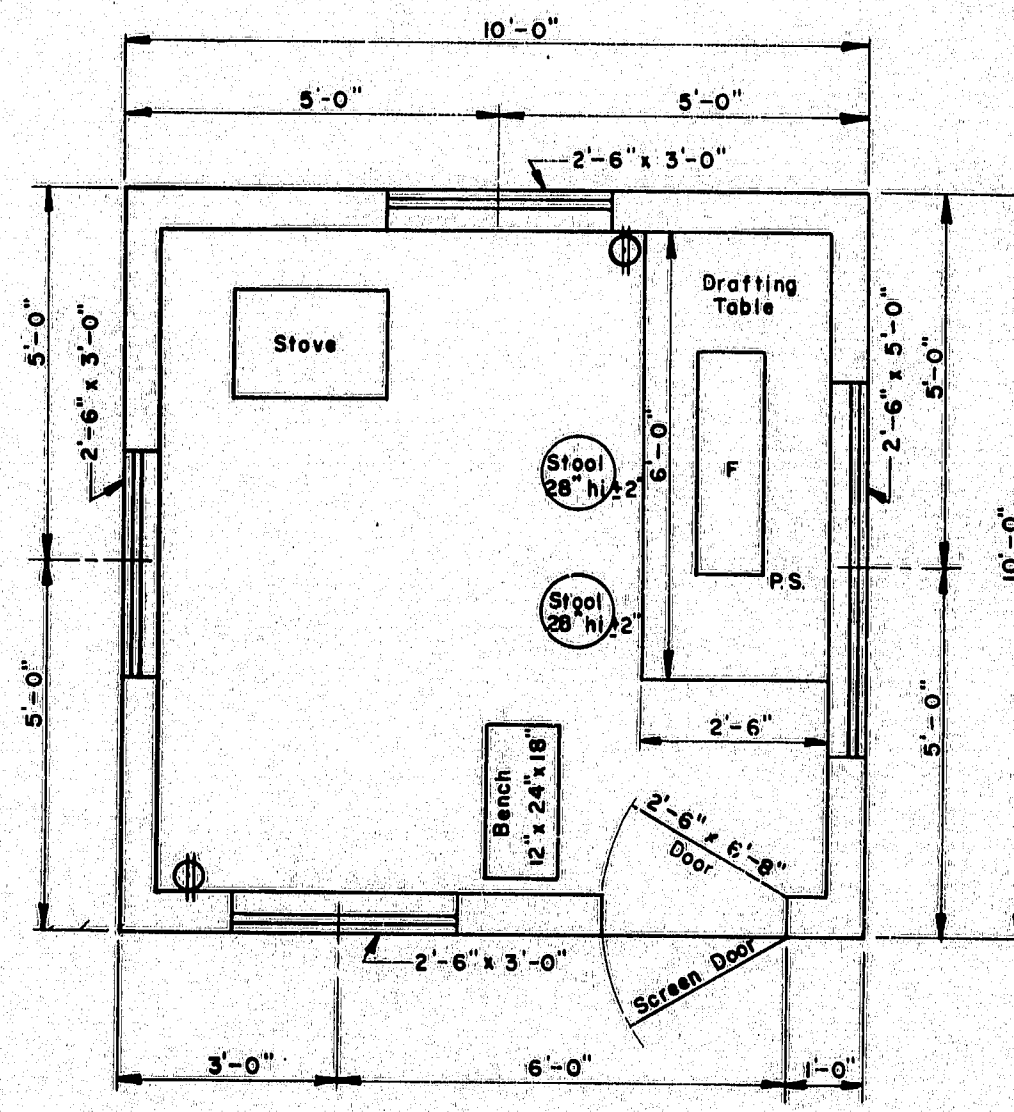
173-49 26



FLOOR PLAN
TYPE "A"



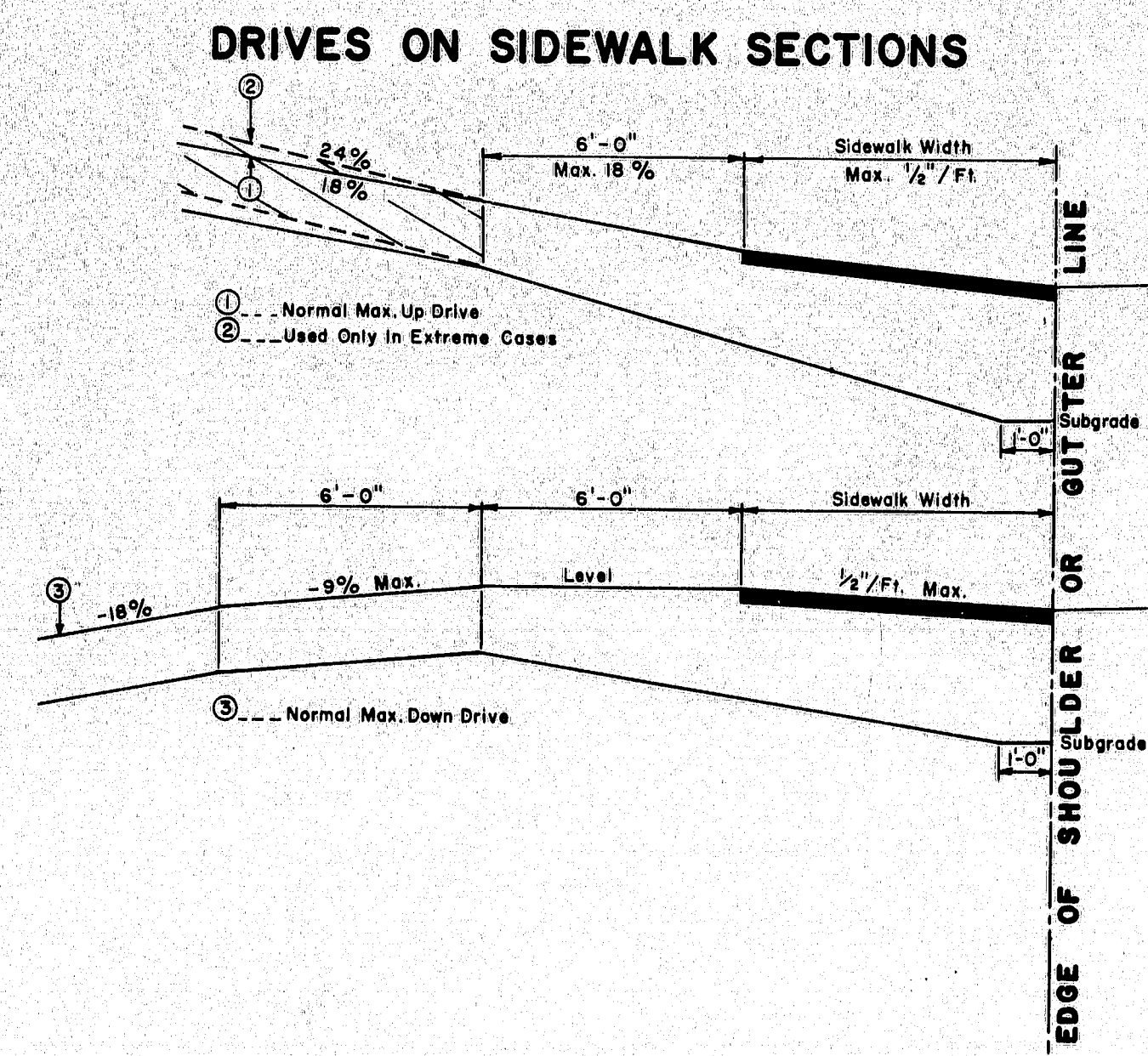
FLOOR PLAN
TYPE "B"



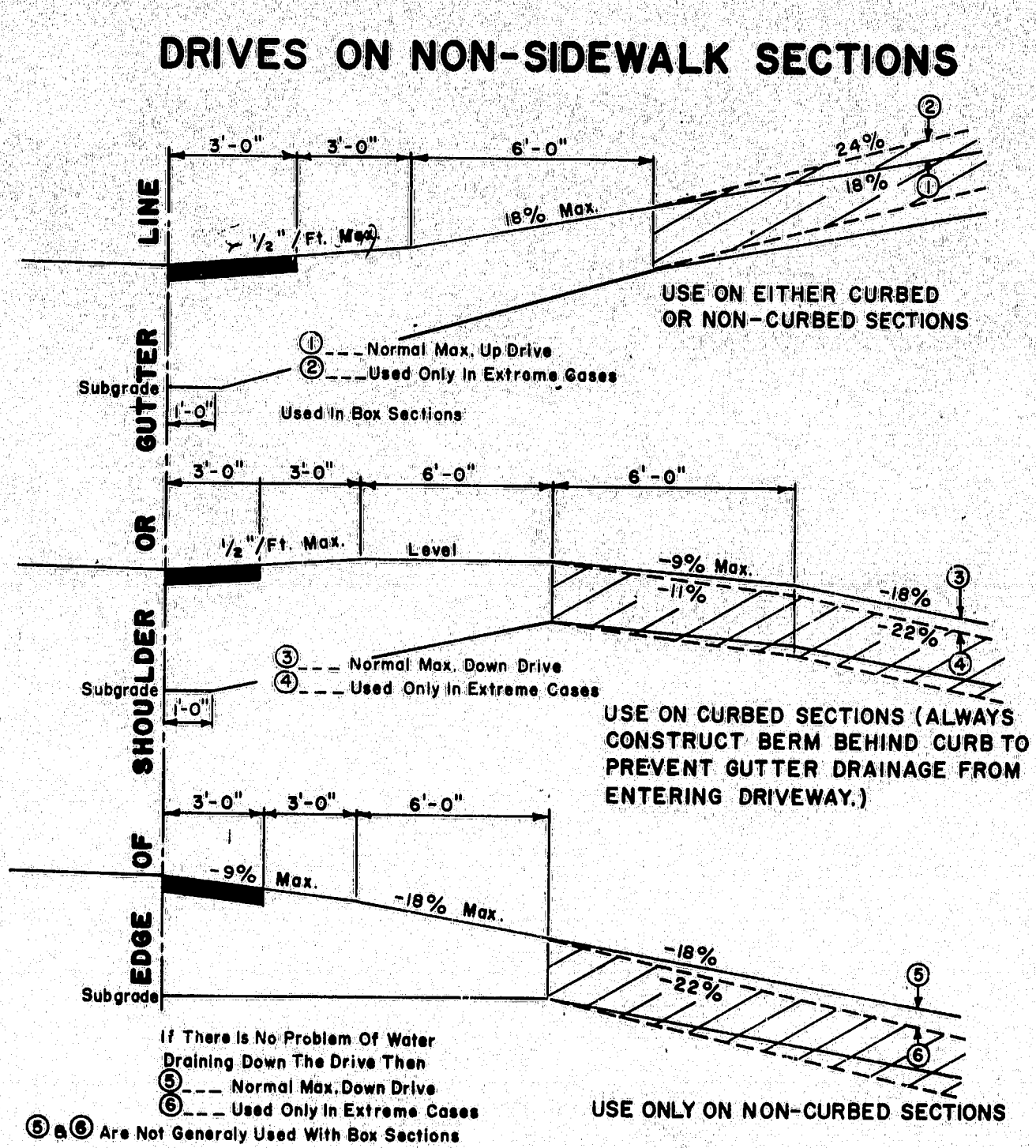
FLOOR PLAN
TYPE "C"

F.H.W.A. REG. NO.	STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
1	MAINE	742(504)	27	27

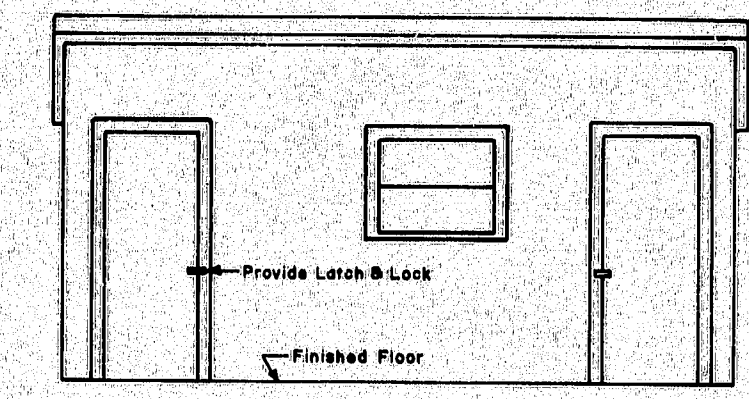
- GENERAL NOTES**
- Drafting table shall be 3'-4" high at front edge and placed 2" from studs to allow prints to hang down behind table when in use.
 - Shelves under desk shall be constructed to receive 11 1/2" x 14" x 25" transfiles.
 - Windows shall be double hung.
 - Stovepipe shall not be in direct contact with combustible material; the pipe shall be surrounded with at least 6" of fireproof material.
 - Continuous 110 volt, 60 cycle electric service shall be supplied.
 - The engineer may rearrange the items shown on the plan views during construction of the field office.
 - FURNISHINGS TO BE SUPPLIED:**
 - 2 Straight back chairs for types A and B
 - 1 Bench for types A, B & C
 - 3 Stool for type A
 - 2 Stools for types B & C
 - SYMBOLS:**
 - F Fluorescent lights (2 light, rapid start 48" strips and 40 watt bulbs)
 - P.S. Pull switch
 - ⊕ Duplex wall outlet—15 amp unless otherwise noted
 - ⊕ Triplex Wall Outlet
 - For the Type "A" Field Office one clean 55 gal. drum shall be supplied, installed on a suitable rack and equipped with a spigot suitable for drawing off water. The drum shall be furnished with water at all times.



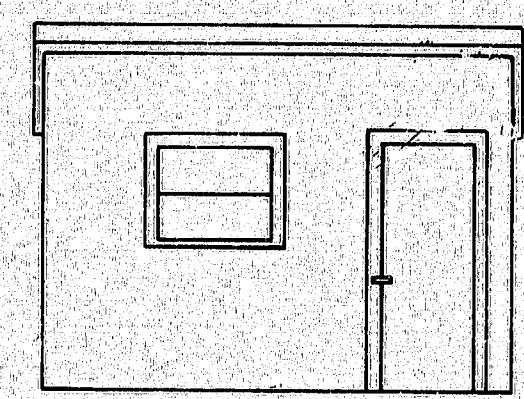
- GENERAL NOTES**
- The sidewalk width shall be paved in all cases.
 - All residential or commercial drives 10% and over shall be paved.
- NOTES ON MAXIMUM DRIVEWAY PROFILES**
- These profiles are a guide for the majority of cases, but should be field checked when the main line grade is steep (4% to 6% or greater) or the angle of approach to the drive is unusual.
 - Generally the majority of drives on a project will be built with flatter profiles than these maximum cases.
 - When grading drives which are flatter than the maximum profiles the following rule of thumb should be used, do not exceed a grade % change of more than 9% in a 6 foot increment of driveway length. This applies to both up and down profiles.



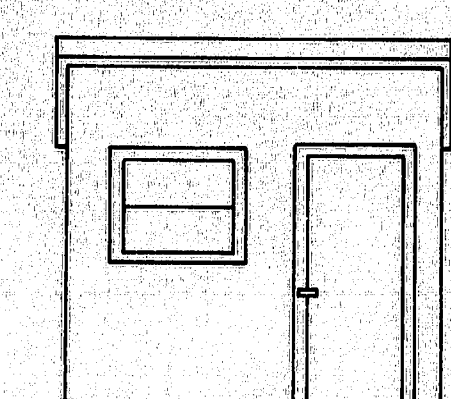
- GENERAL NOTES**
- The first 3' shown as pavement shall be paved only when abutting a paved area.
 - All residential or commercial drives 10% and over shall be paved.
- NOTES ON MAXIMUM DRIVEWAY PROFILES**
- These profiles are a guide for the majority of cases, but should be field checked when the main line grade is steep (4% to 6% or greater) or the angle of approach to the drive is unusual.
 - Generally the majority of drives on a project will be built with flatter profiles than these maximum cases.
 - When grading drives which are flatter than the maximum profiles the following rule of thumb should be used, do not exceed a grade % change of more than 9% in a 6 foot increment of driveway length. This applies to both up and down profiles.



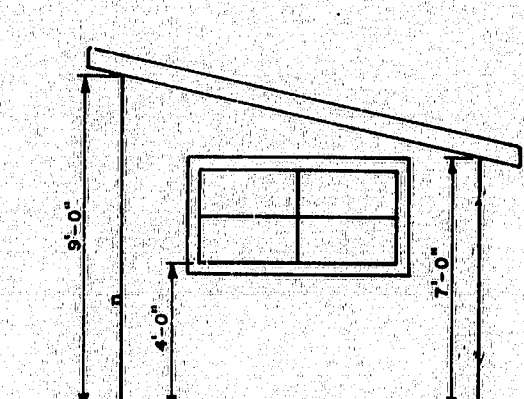
FRONT ELEVATION
TYPE "A"



FRONT ELEVATION
TYPE "B"



FRONT ELEVATION
TYPE "C"



SIDE ELEVATION
TYPES "A" "B" & "C"

REVISIONS		
PLATE	"D"	3-16-73

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
AUGUSTA, MAINE

STANDARD DETAILS

DRIVEWAY DETAILS
FIELD OFFICES
TESTING LABORATORY

AUG. 1969

173-50