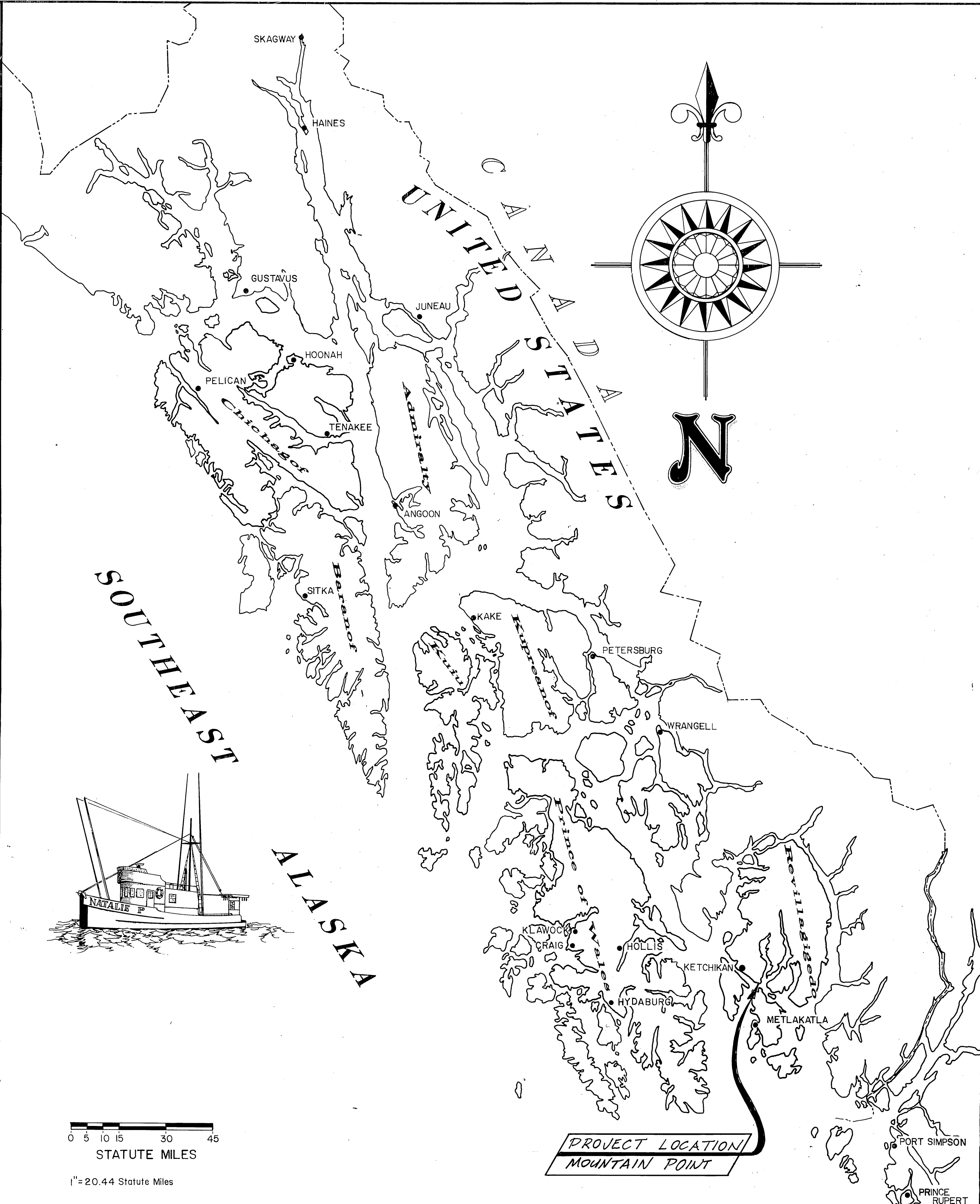
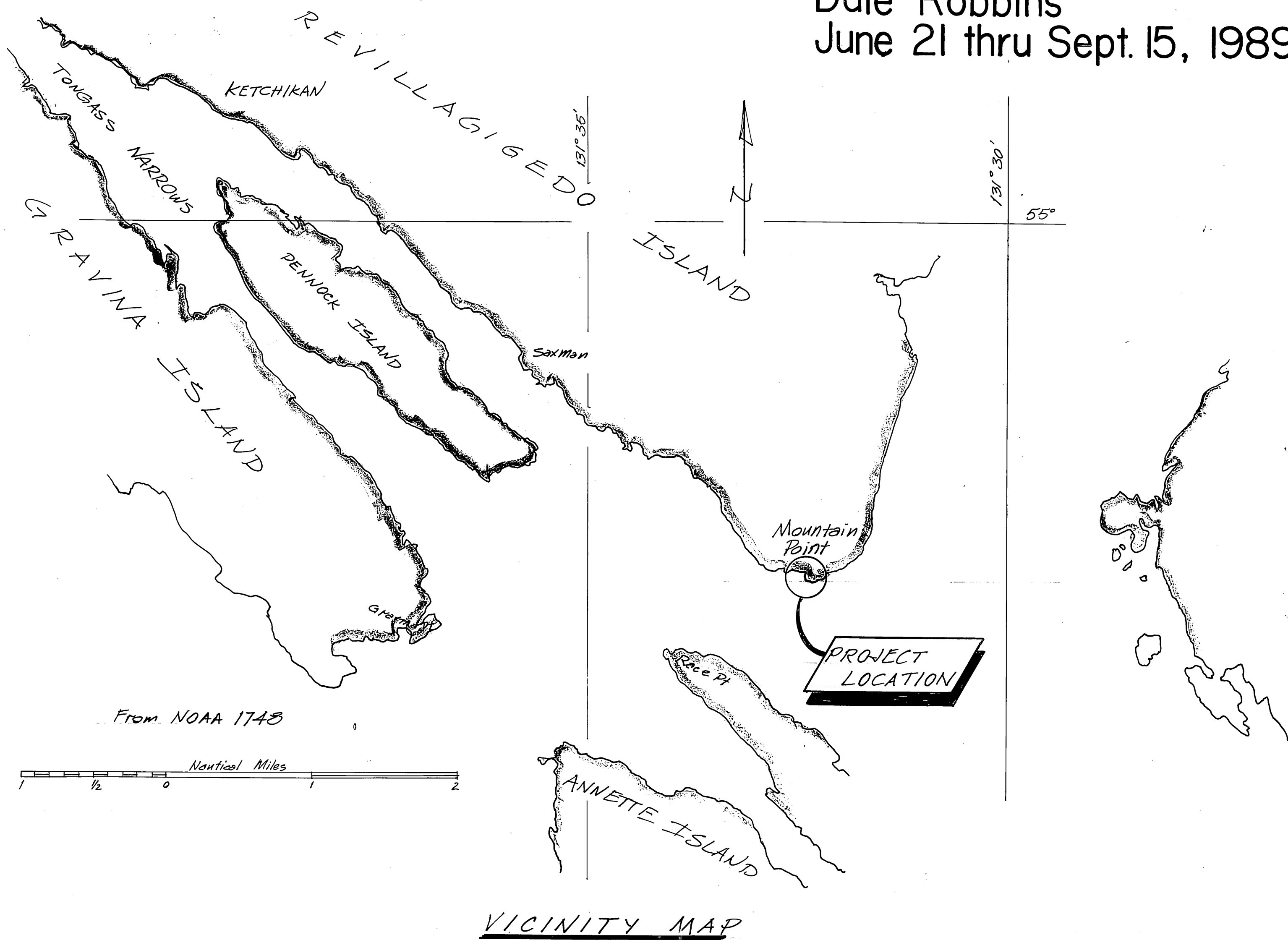


KETCHIKAN MOUNTAIN POINT BOAT LAUNCH RAMP

Project No. 69805

Designed & Constructed for
Department of Fish & Game
Division of Sport Fisheries

As-Built Plans
Quality Concrete
Dale Robbins
June 21 thru Sept. 15, 1989



STATE
OF
ALASKA

DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & CONSTRUCTION

APPROVED

W. Mackmeyer 4-10-89
Director S.E. D.&C. Date

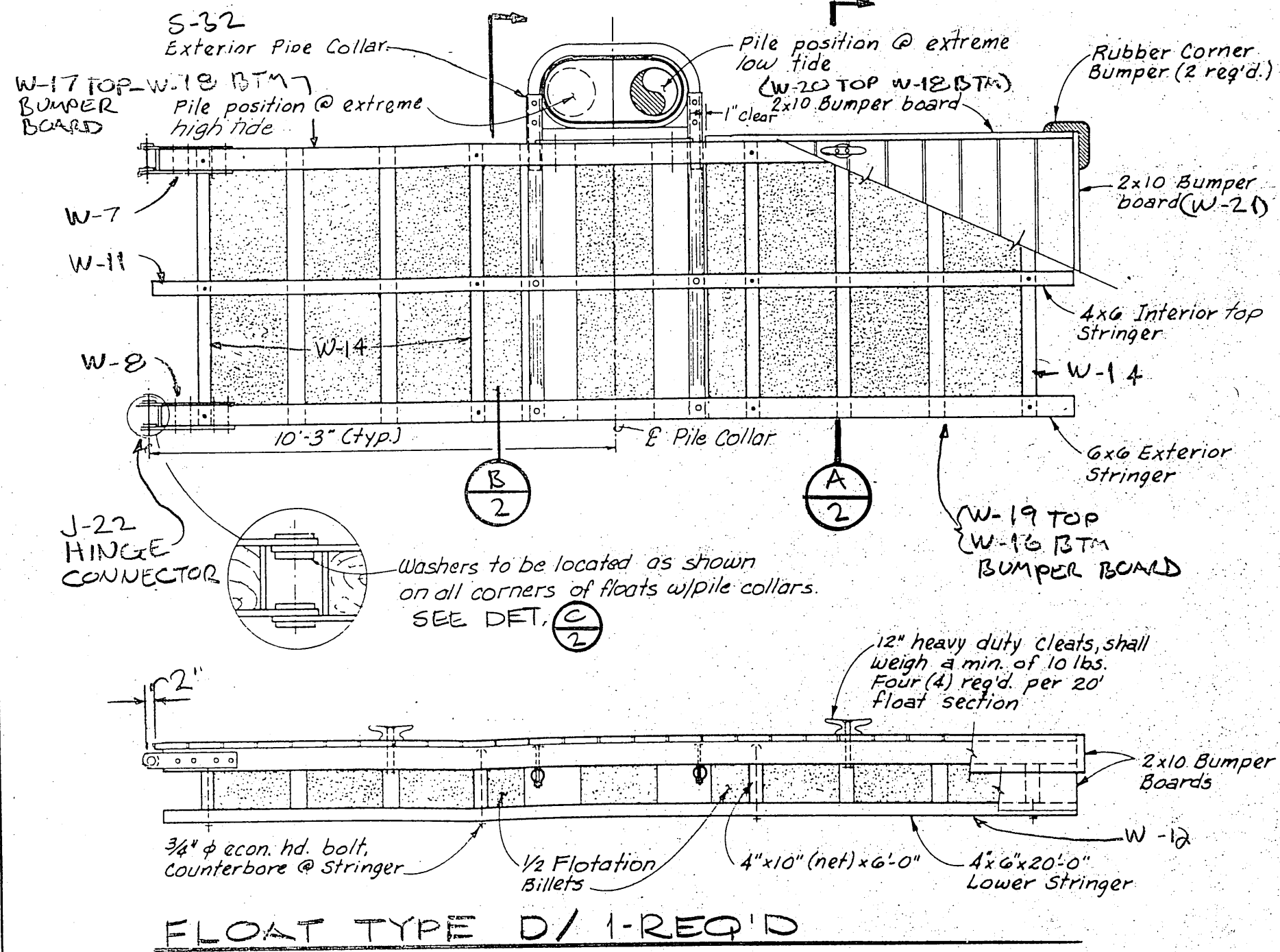
Recommend
for Approval
Amerrill 4-10-89
Design Chief Date

SHEET 1 of 10

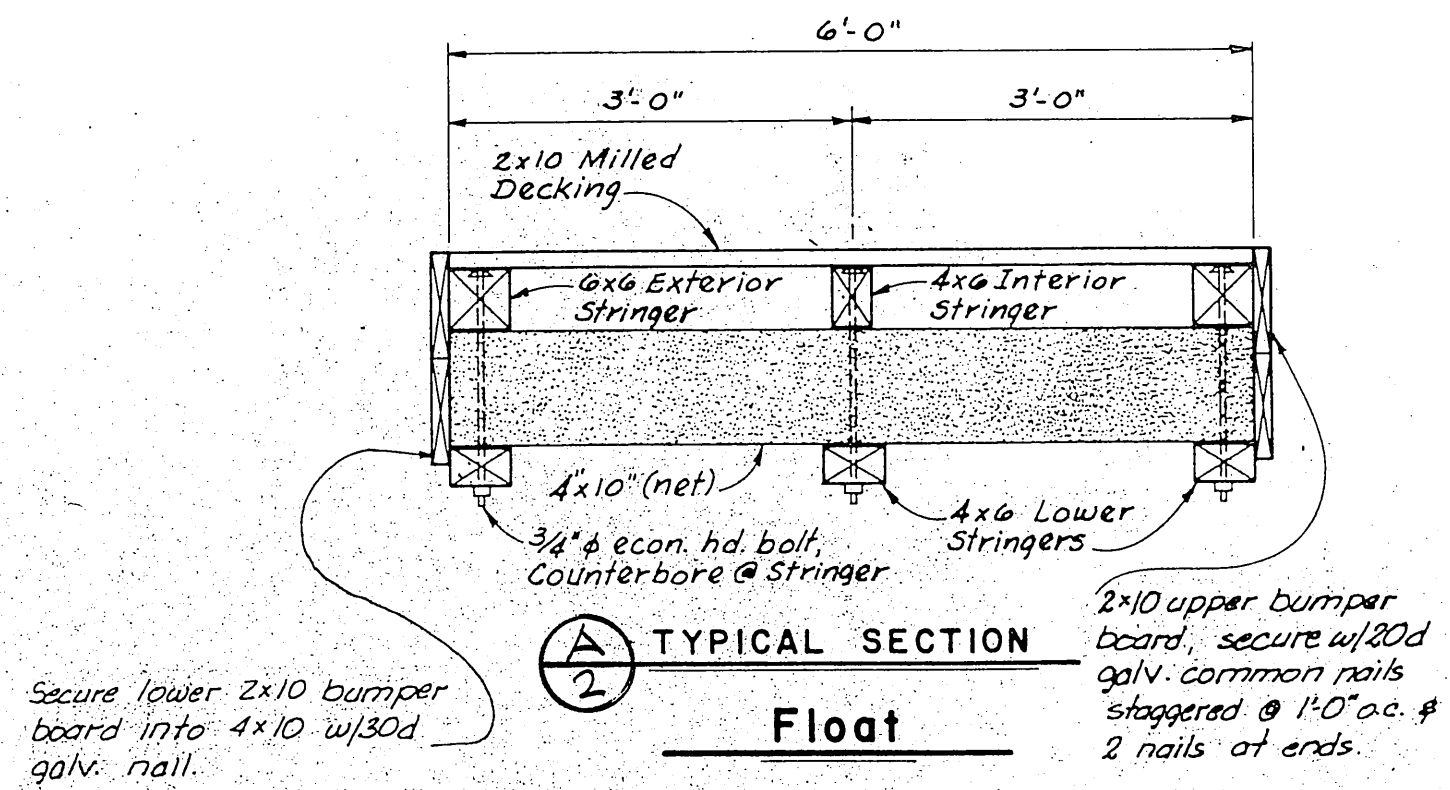
INDEX TO SHEETS

1. TITLE SHEET	8. CONCRETE ABUTMENT & MISC. DETAILS		
2. ESTIMATE OF QUANTITIES	9. LAUNCH RAMP FLOAT		
3. LAYOUT	10. TRAFFIC CONTROL PLAN		
4. RAMP PROFILE & CROSS SECTIONS			
5. "D" LINE & "P" LINE PROFILE			
6. CROSS SECTIONS & MISCELLANEOUS DETAILS			
7. CONCRETE APRON & MISC. DETAILS			

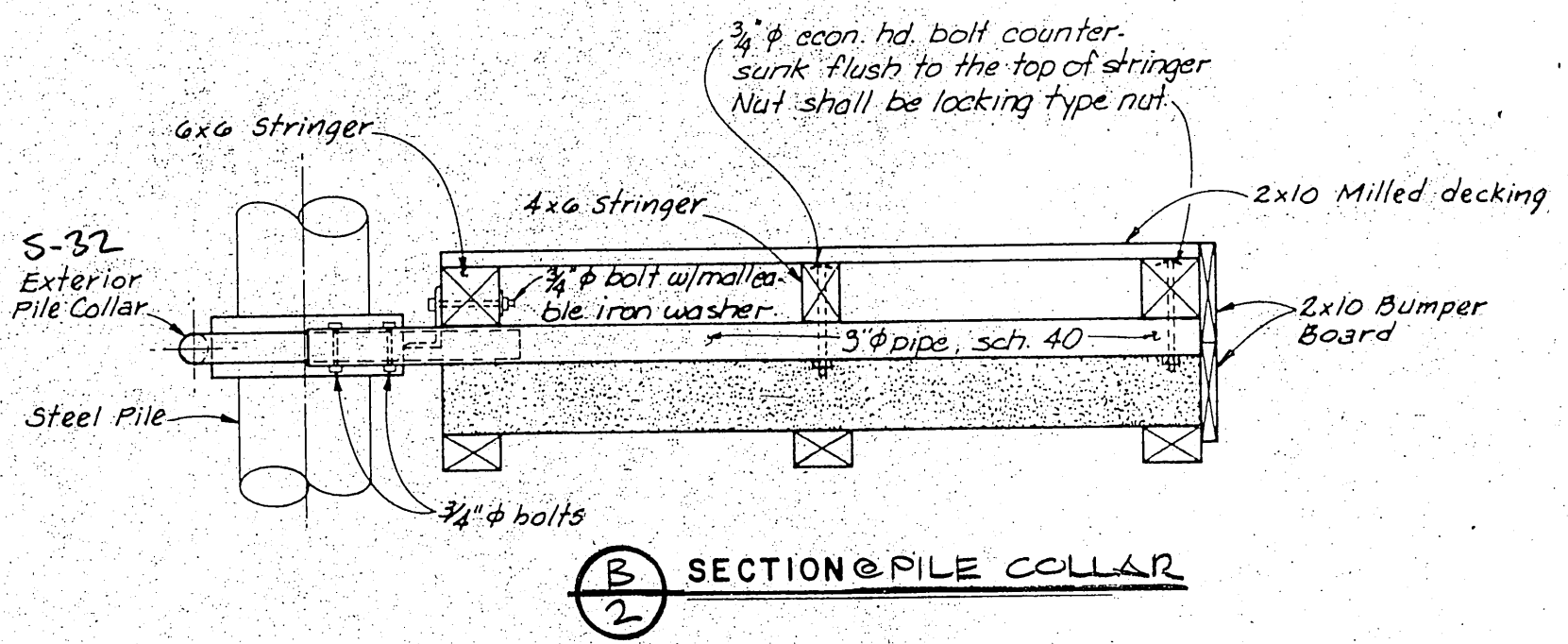
PROJECT &
FILE NO.



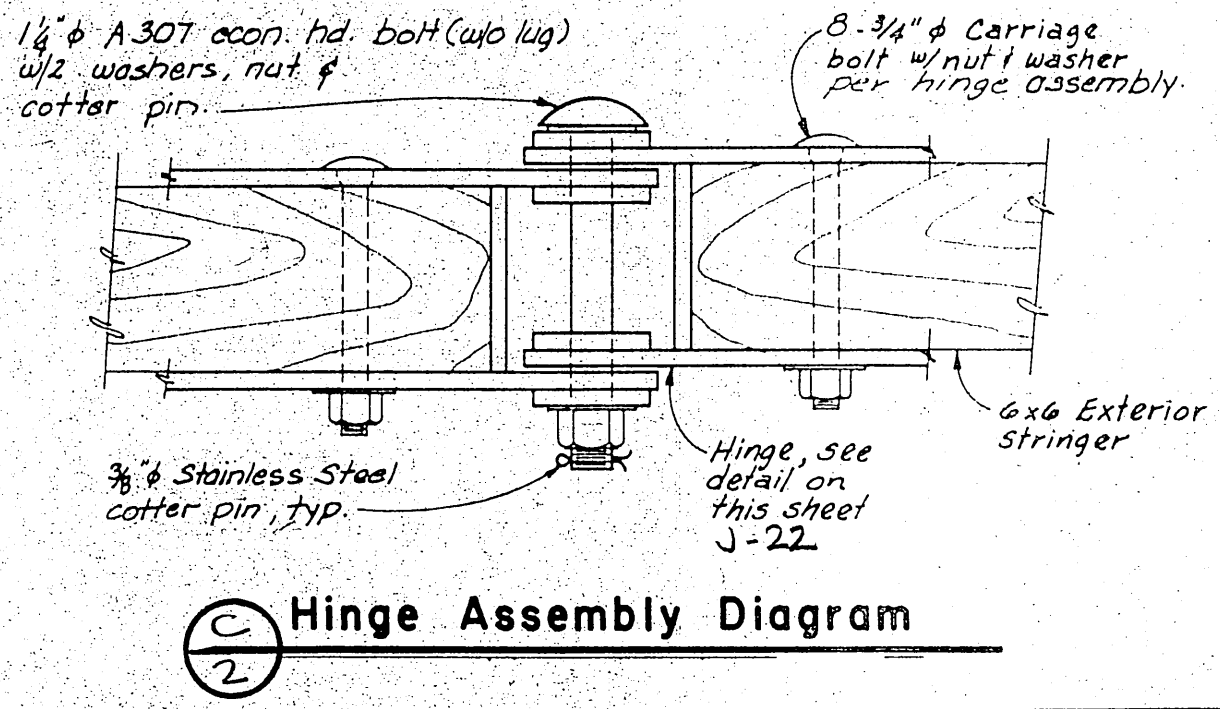
Float Type D/1-REQ'D



(A/2) TYPICAL SECTION
Float



B SECTION @ PILE COLLAR
2



Hinge Assembly Diagram

Drawn by: M. C. OLTMAN

Scale: N, T, S,

Date: 6/28/89

Sheet: 2 of: 2

00 2 F

KETCHIKAT 2

FLOTTATION TYPE: D

STILLBETTER FLOTT

[illegible]

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UMA Precision engineering / fusion systems

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ESTIMATE OF QUANTITIES			
Basic		Bid	
Item No.	Item	Unit	Total
109(1)	DBE and WBE Adjustments	C.S.	All Req'd.
110(1)	Mobilization and Demobilization	L.S.	All Req'd.
112(1)	Construction Surveying by the Contractor	L.S.	All Req'd.
201(1)	Clearing and Grubbing (approx. 0.16 acres)	L.S.	All Req'd.
202(1)	Common Excavation	C.Y.	~~445~~
202(2)	Rock Excavation	C.Y.	~~490~~
203(1)	Borrow, Type "C"	C.Y.	~~2,550~~
203(2)	Crushed Aggregate Base Course	Ton	~~980~~
204(1)	Filter Fabric	S.Y.	~~290~~
205(1)	Riprap, Class III	C.Y.	~~260~~
301(1)	Structural Steel Piles, Furnished	L.F.	~~491~~
301(2)	Structural Steel Piles, Driven	Each	5
301(3)	Drilled Pile Sockets	Each	5
304(1)	Concrete Abutment	L.S.	All Req'd.
304(2)	Concrete Apron	S.Y.	~~410.7~~
312(1)	Construct Launching Ramp	L.S.	All Req'd.
601(1)	W-Beam Guardrail	L.F.	~~427~~
601(2)	Removal and Reconstruction of Guardrail	L.F.	~~87.5~~
602(1)	Traffic Maintenance	L.S.	All Req'd.

0
722.4
2801.4
988.57
283.0
259.0
204.3
105.45
212.5
0

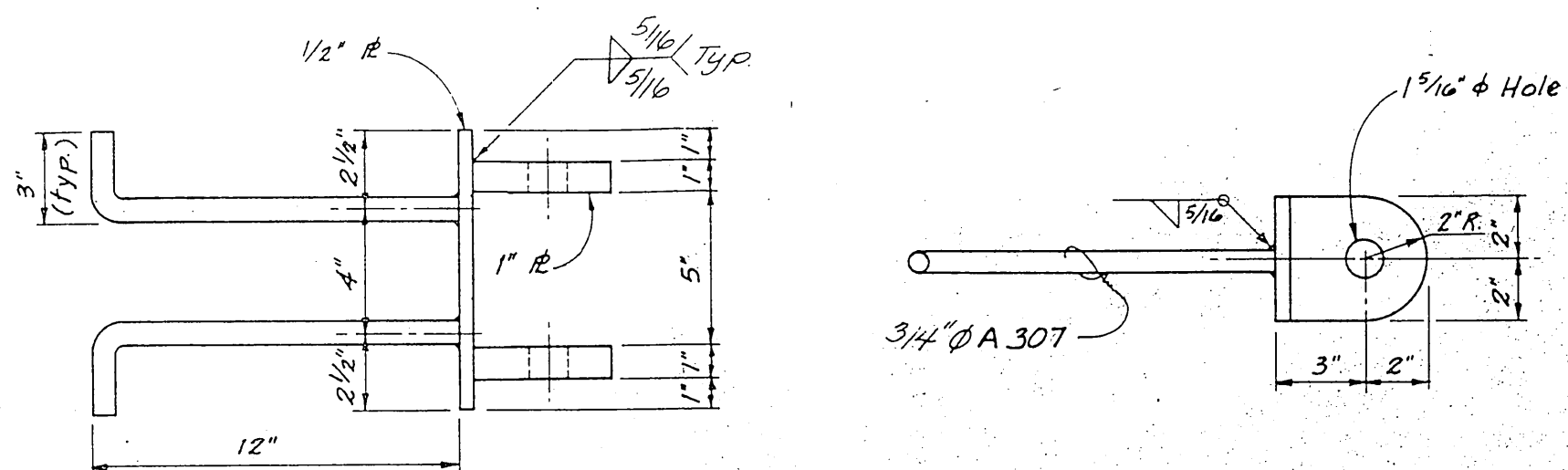
Additive Alternate No. 1			
Item No.	Item	Unit	Total
311(1-1)	Construct Timber Launch Ramp Float	S.F.	1440

Additive Alternate No. 2			
Item No.	Item	Unit	Total
112(1-2)	Construction Surveying by the Contractor	L.S.	All Req'd.
201(1-2)	Clearing and Grubbing (approx. 0.15 acres.)	L.S.	All Req'd.
203(1-2)	Borrow, Type "C"	C.Y.	~~530~~
203(2-2)	Crushed Aggregate Base Course	Ton	~~230~~
601(1-2)	W-Beam Guardrail	L.F.	~~345~~
601(2-2)	Removal and Reconstruction of Guardrail	L.F.	~~412.5~~
(3)			

801.7
220.8
0
125.0

BASIS OF ESTIMATE	
Item No.	Estimating Factor
203(2) & 203(2-2)	145.7 lbs. per cu. ft. = 1.96 tons per cu. yd.

STAMP	DO NOT SCALE THIS DRAWING - USE DIMENSIONS
	STATE OF ALASKA
	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
	MTN. POINT KETCHIKAN, ALASKA
	ESTIMATE OF QUANTITIES
	DESIGNED <u>DDS</u> CHECKED <u>WLT</u> DRAWN <u>DDS</u> DATE <u>1-89</u>
PROJECT NUMBER <u>69805</u>	SHEET <u>2</u> OF <u>10</u>

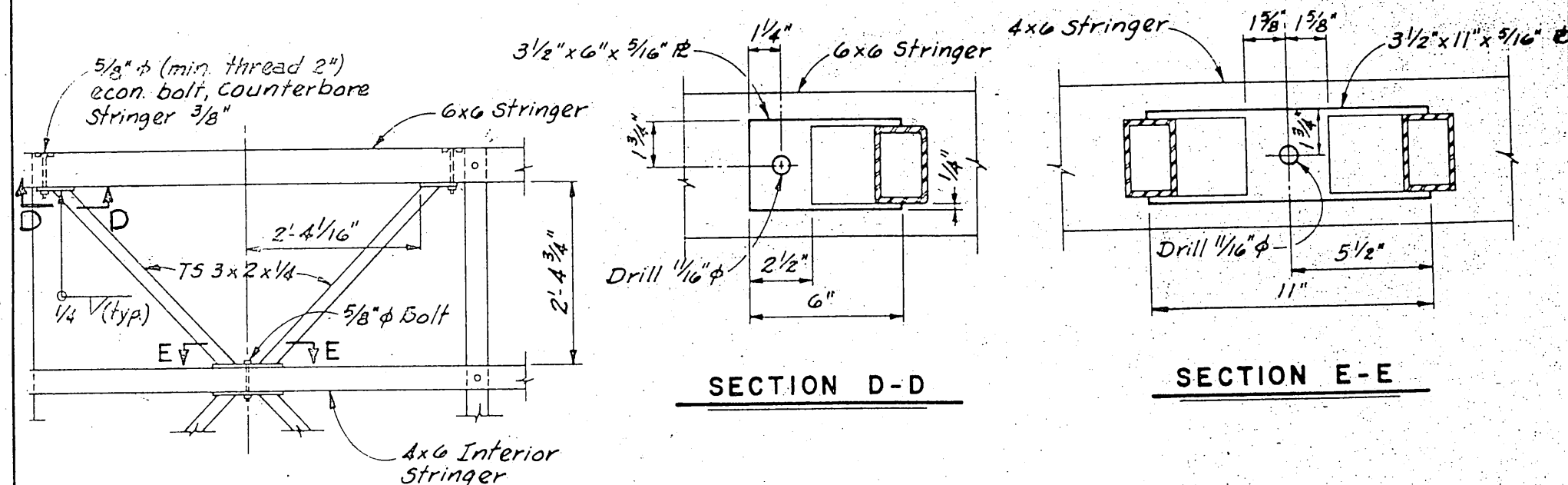


PLAN

ELEVATION

J-21 Weldment Detail

2-REQ'D



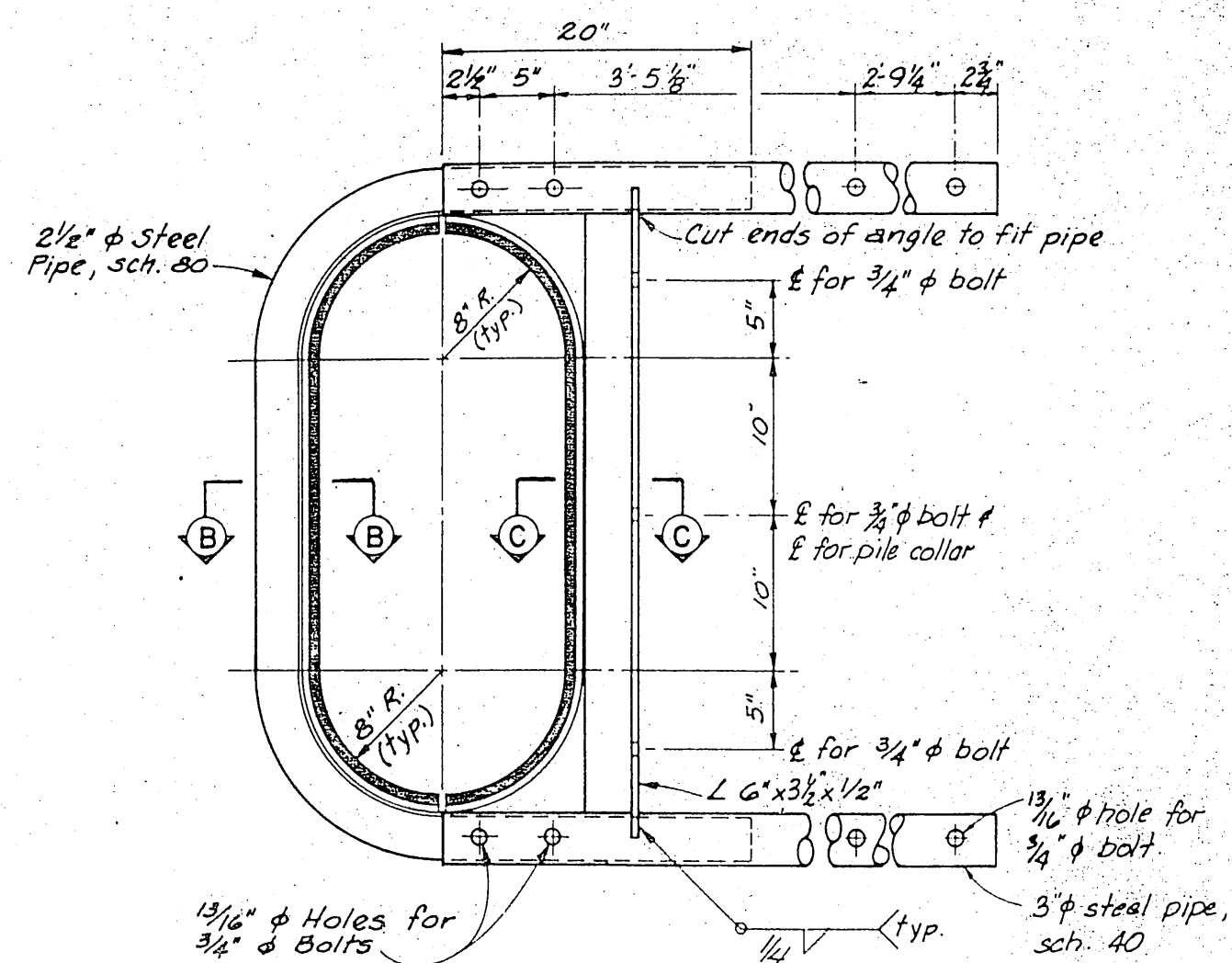
PLAN

SECTION D-D

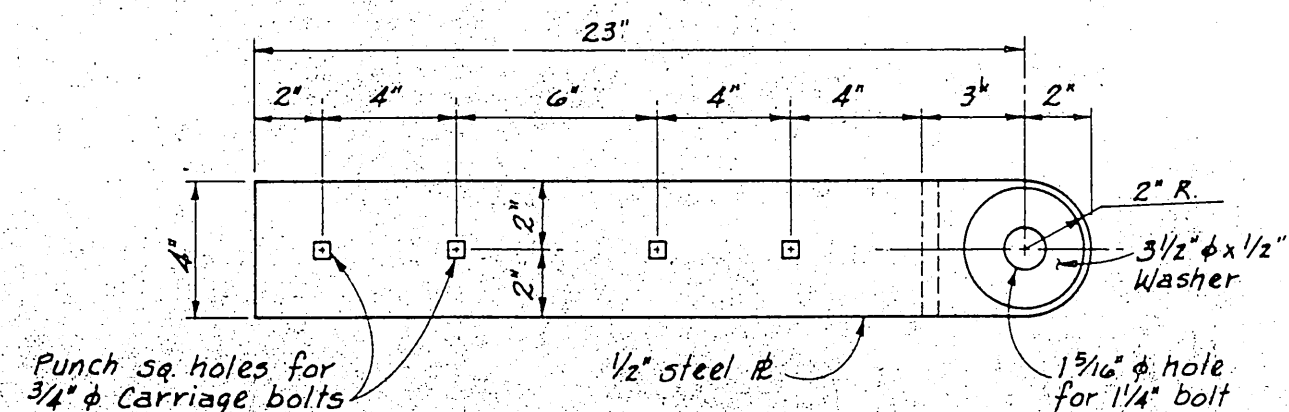
SECTION E-E

N-18 Diagonal Bracing Details

14-REQ'D

**S-32 Exterior Pile Collar Detail**

5-REQ'D



ELEVATION

PLAN

J-22 Hinge Detail

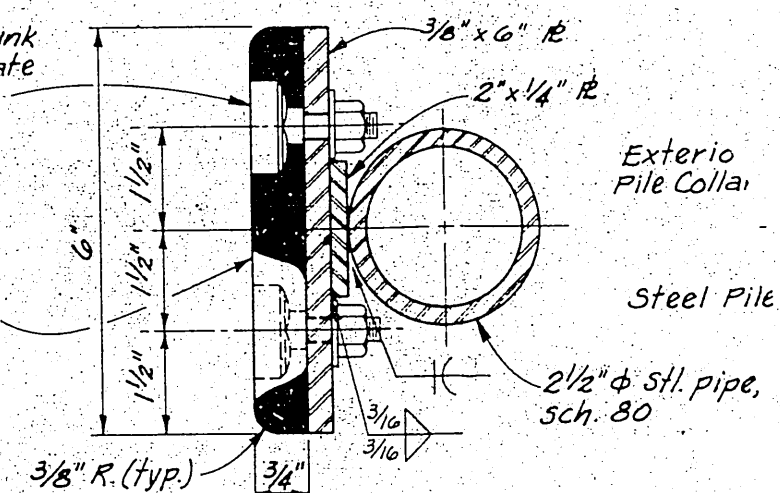
46-REQ'D

* Shall match the width of 6x6 exterior stringer.

GALVANIZE ALL WELDMENTS AFTER FABRICATION IN ACCORDANCE TO ASTM A-123-78.

3/8" ϕ elev. bolt countersunk 3/8"; evenly spaced; alternate high & low; 8 bolts req'd. per half collar.

UHMW polyethylene rub strip shall contain carbon black to stabilize against ultraviolet light.

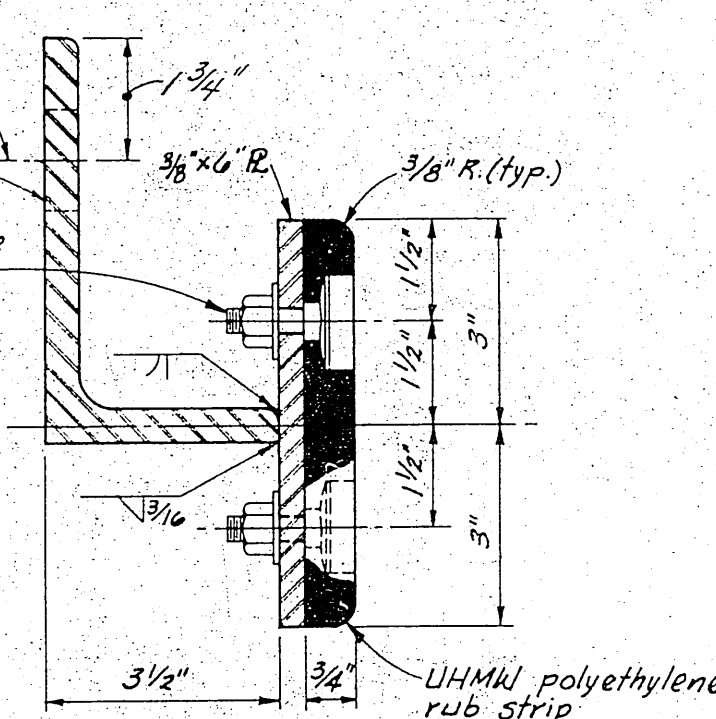


SECTION B-B

1 3/4" ϕ hole for 3/4" ϕ bolts (hex hd.)

L 6" x 3 1/2" x 1/2"

3/8" ϕ elev. bolt countersunk 3/8"; evenly spaced; alternate high & low; 8 bolts req'd. per half collar.



SECTION C-C

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Drawn by: M. COLTMAN

KETCHIKAN MT. POINT

KETCHIKAN, AK.

STEEL FABRICATION

JOB NO. 87-1370/PROJ # 69305

By:

Revision:

Date:

Scale:

Sheet:

of:

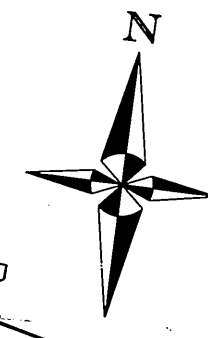
3

6

Note: See Sections A-A, B-B, C-C, D-D & E-E on sheet G.

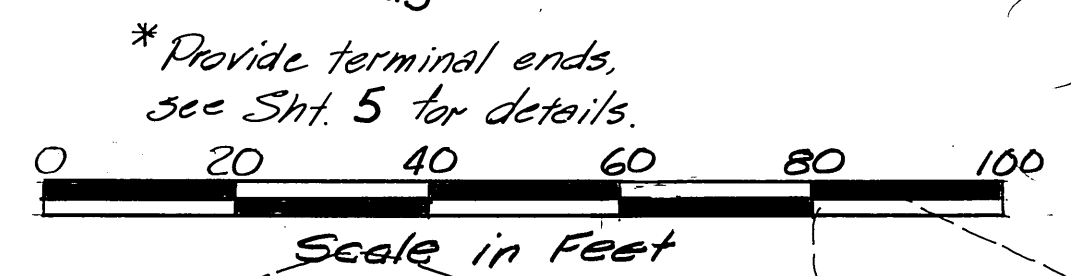
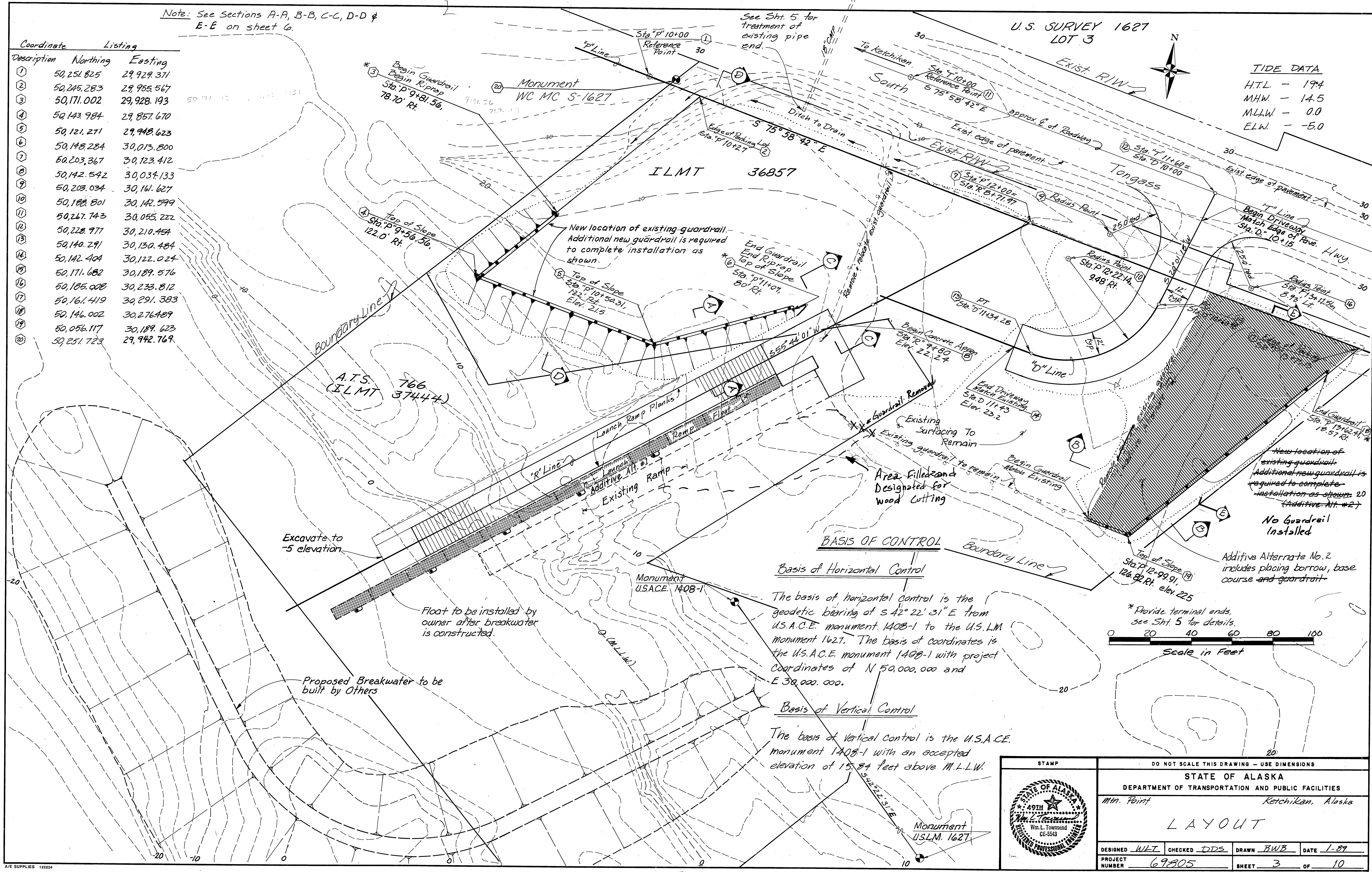
Coordinate	Listing	
Description	Northing	Easting
1	50,251.825	29,929.371
2	50,245.283	29,955.567
3	50,171.002	29,928.193
4	50,143.984	29,857.670
5	50,121.271	29,948.623
6	50,148.284	30,013.800
7	50,203.367	30,123.412
8	50,142.542	30,034.133
9	50,203.034	30,161.627
10	50,188.801	30,142.599
11	50,267.743	30,055.222
12	50,228.977	30,210.454
13	50,140.291	30,130.484
14	50,142.404	30,122.024
15	50,171.682	30,189.576
16	50,185.008	30,233.812
17	50,161.419	30,291.383
18	50,146.002	30,276.489
19	50,056.117	30,189.623
20	50,251.723	29,942.769

U.S. SURVEY 1627
LOT 3



TIDE DATA

H.T.L.	- 19.4
M.H.W.	- 14.5
M.L.L.W.	- 0.0
E.L.W.	- -5.0



Basis of Horizontal Control
The basis of horizontal control is the geodetic bearing of S 42° 22' 31\"/>

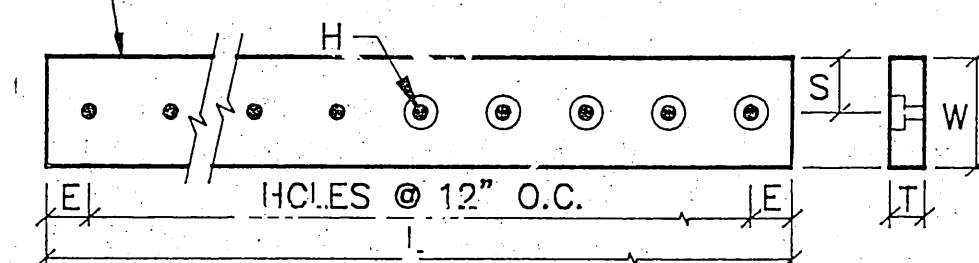
Basis of Vertical Control
The basis of vertical control is the U.S.A.C.E. monument 1408-1 with an accepted elevation of 15.84 feet above M.L.L.W.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
Mtn. Point		Ketchikan, Alaska	
L A Y O U T			
DESIGNED <u>WLT</u>	CHECKED <u>DDS</u>	DRAWN <u>BWB</u>	DATE <u>1-89</u>
PROJECT NUMBER <u>69805</u>		SHEET <u>3</u> OF <u>10</u>	

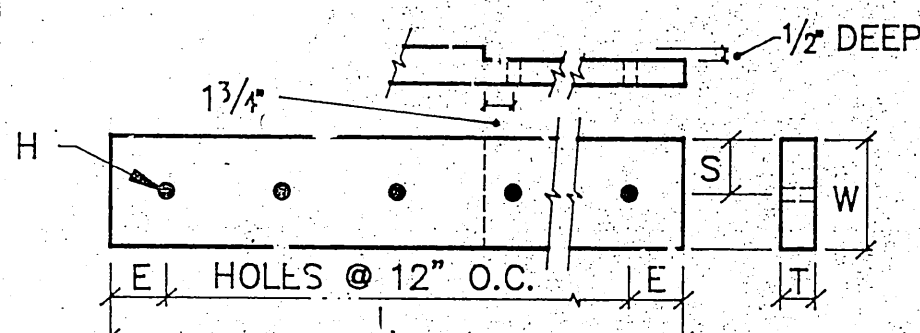
NO NUMBER ~ 5 3/4" TO FIRST HOLE
1/2" LESS THAN NOM.
1 ~ 3 3/4" TO FIRST HOLE
4 1/2" LESS THAN NOM.
E
2 ~ 12 1/4" TO FIRST HOLE
1/2" MORE THAN NOM.

1 A 38-8A V OR 4 A
SPECIAL (SEE DRAWINGS BELOW)
SEE "V" OR "Y" MEANS OPP. HAND
H - (HOLE TYPE-SEE CHART BELOW)
L - (NOMINAL LENGTH IN FEET. ACTUAL LENGTH VARIES DUE TO "E" DIMENSION)
W - (NOMINAL WIDTH IN INCHES)
S - (VERTICAL HOLE SPACING-SEE CHART BELOW)
T - (NOMINAL THICKNESS IN INCHES)

V NO COUNTERBORE AT THIS END OF BOARD WHEN "V" IS USED AT END OF DESIGNATION.
i.e. 38-8GV4 = NO C.B. FIRST 4 HOLES
38-8GV6 = NO C.B. FIRST 6 HOLES



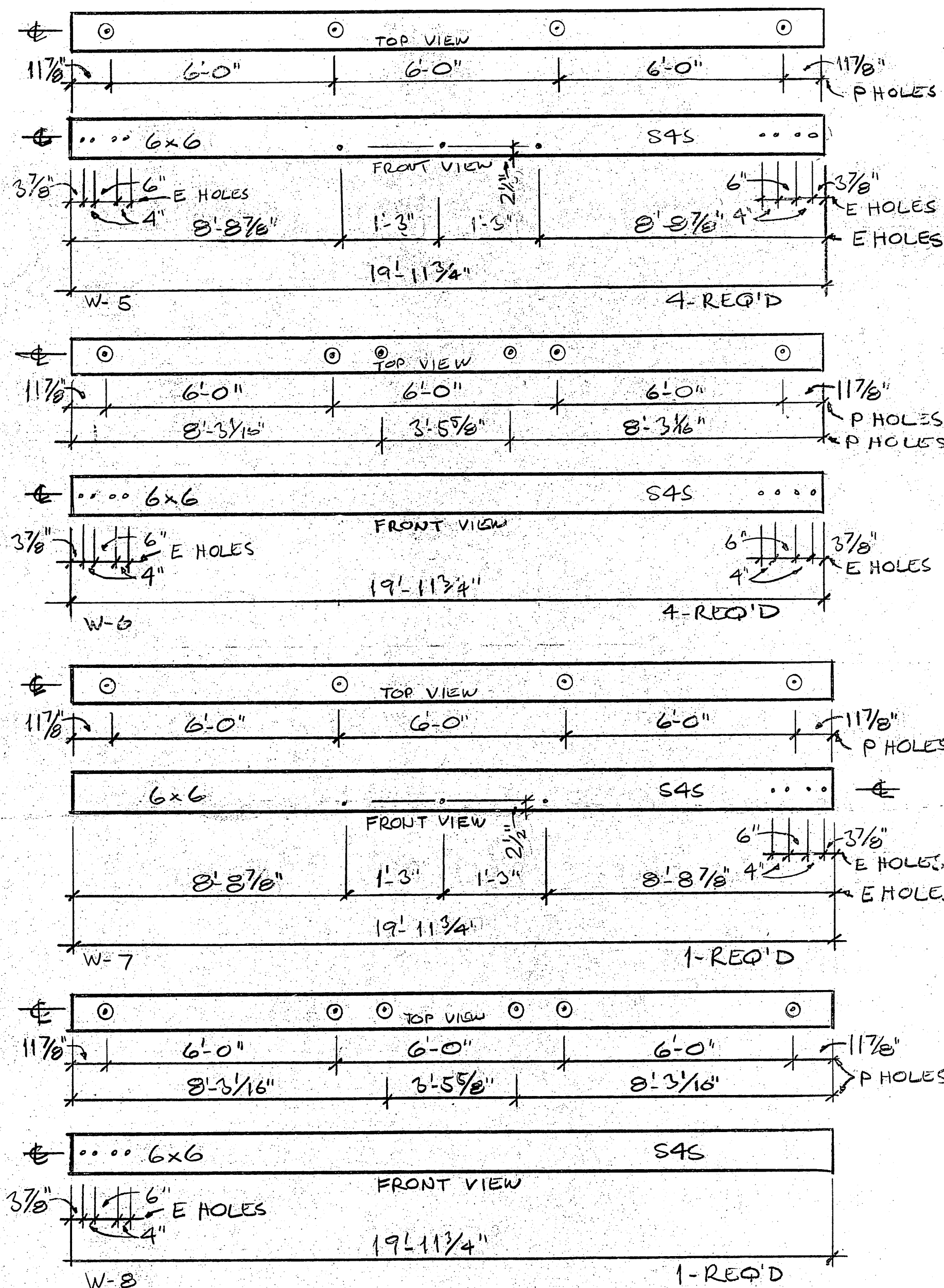
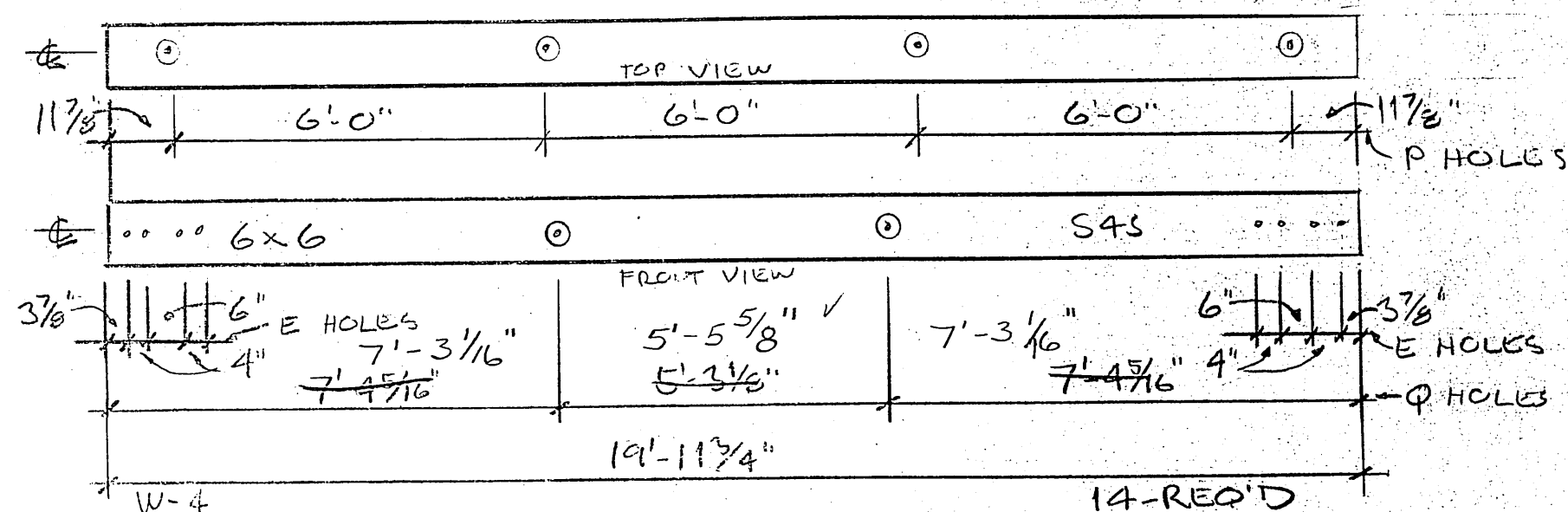
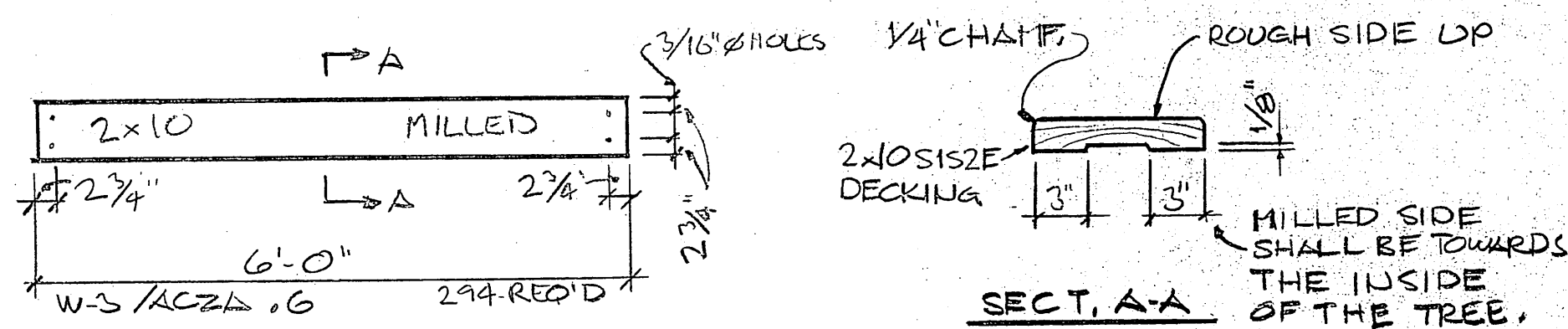
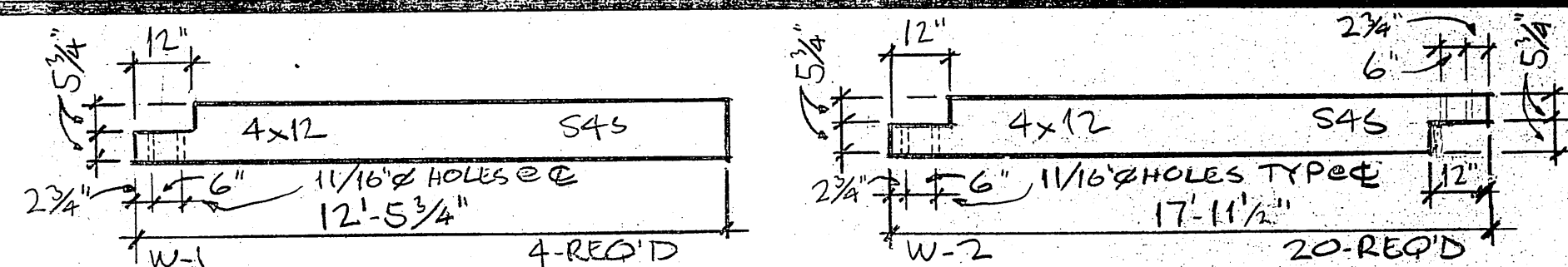
Y DAP THIS END OF BOARD WHEN "Y" IS USED AT END OF DESIGNATION.
i.e. 38-8AY4 = DAP 13/4" PAST 4th HOLE.



CODE FOR HOLE TYPE	H	HOLE DIAMETER	COUNTERBORE DIAMETER	COUNTERBORE DEPTH	CODE FOR S	VERTICAL HOLE SPACING
A		11/16"	NONE	NONE	NO LETTER	3 3/4" STANDARD
B		11/16"	2 1/4"	1 1/4"	A	2 1/4"
C		11/16"	2 3/4"	1 1/4"	B	3"
D		11/16"	3 1/4"	1 1/4"	C	4"
E		13/16"	NONE	NONE		
F		13/16"	2 3/4"	1 1/4"	D	3 3/4" 4 3/4" 5 3/4" 6 3/4"
G		13/16"	3 1/4"	1 1/4"		2 ROWS OF HOLES
I		1"	3 1/4"	1 1/4"		
M		2 1/2"	3 1/4"	1/2"		
N		1"	NONE	NONE		
P		13/16"	2 3/4"	1/2"		
Q		11/16"	2 1/2"	3/8"		

NOTE
ALL WOOD TO BE INCISED AND
CREOSOTE
TREATED AT
25# P.C.F. RETENTION
UNLESS OTHERWISE NOTED.

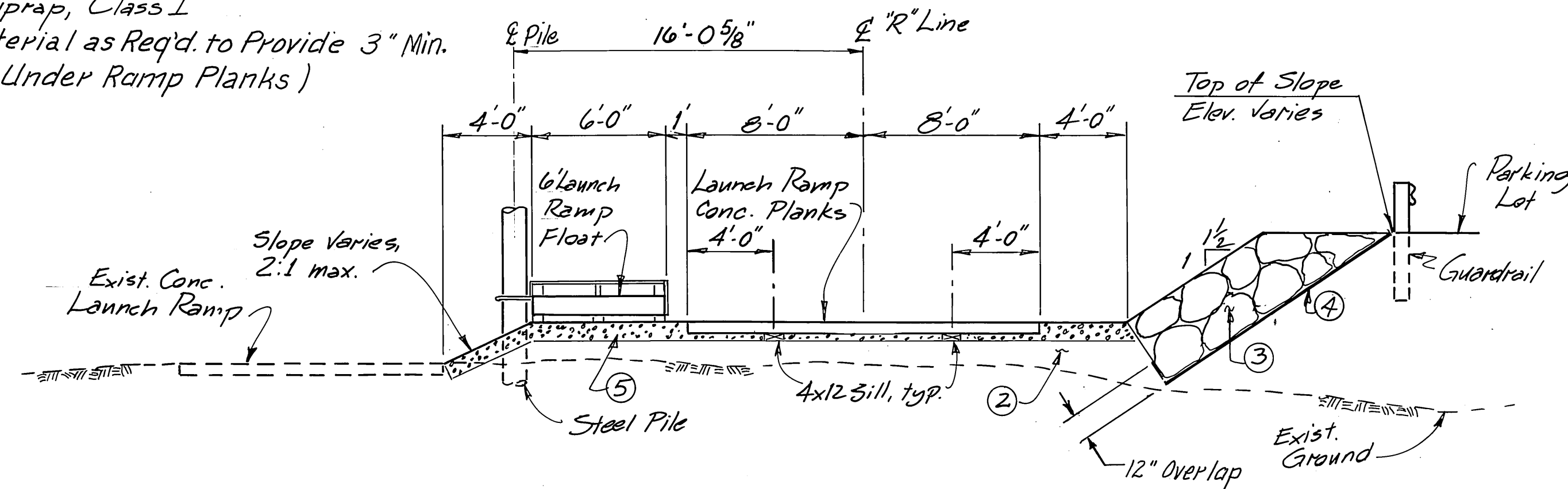
STANDARD
WOOD



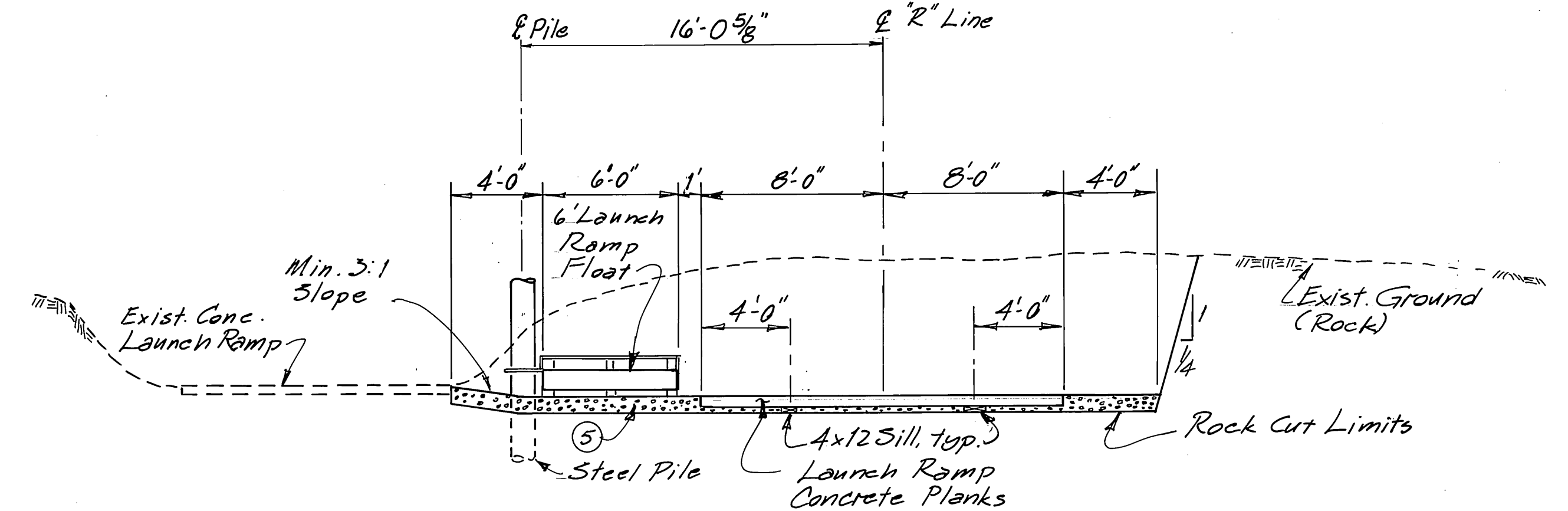
LEGEND

- ② Borrow, Type "C"
- ③ 3' Thick Riprap, Class III
- ④ Filter Fabric
- ⑤ 9" Thick Riprap, Class I
(Screen Material as Req'd. to Provide 3" Min. Thickness Under Ramp Planks)

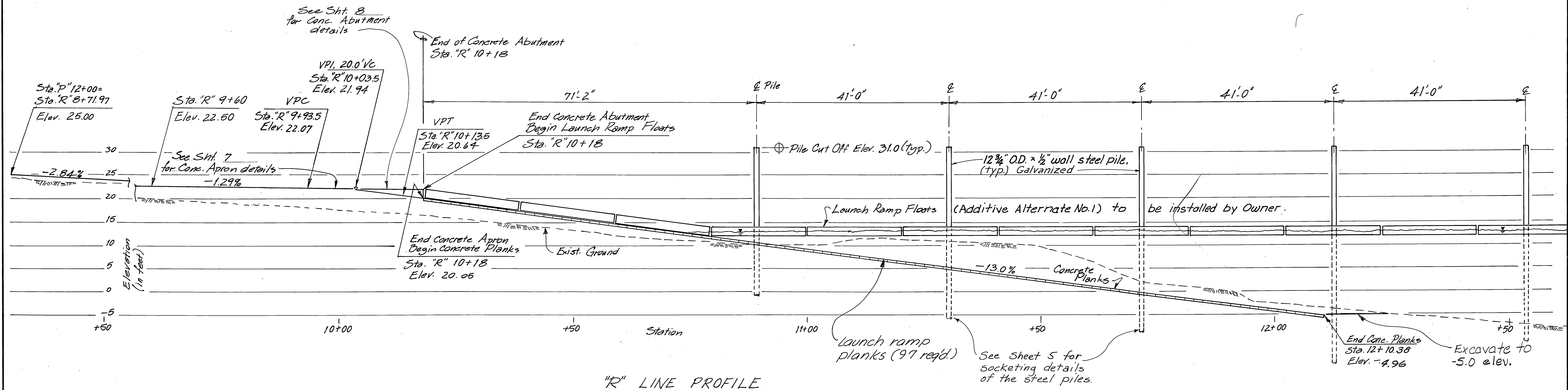
NOTE: The 6' Launch Ramp Floats will not be placed in this contract but will be fabricated and stockpiled at the Ketchikan Maintenance Facility in Ketchikan.



FILL SECTION



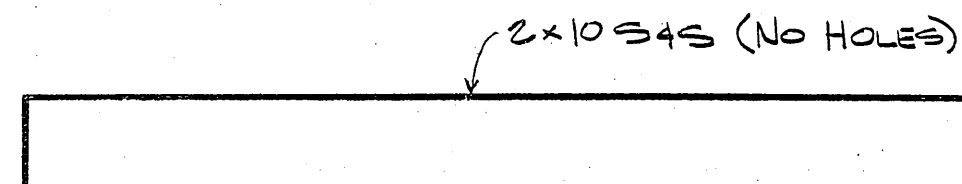
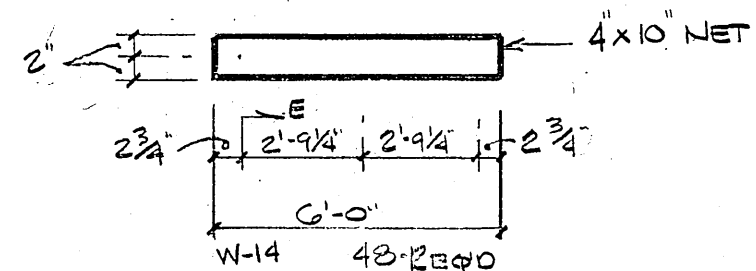
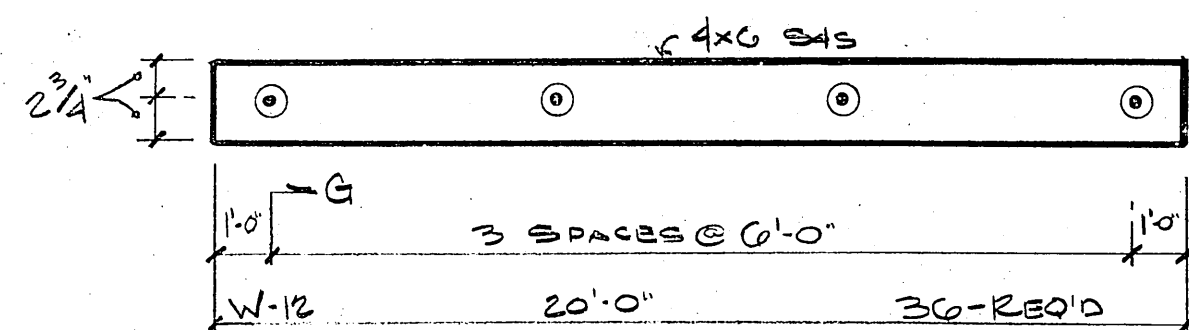
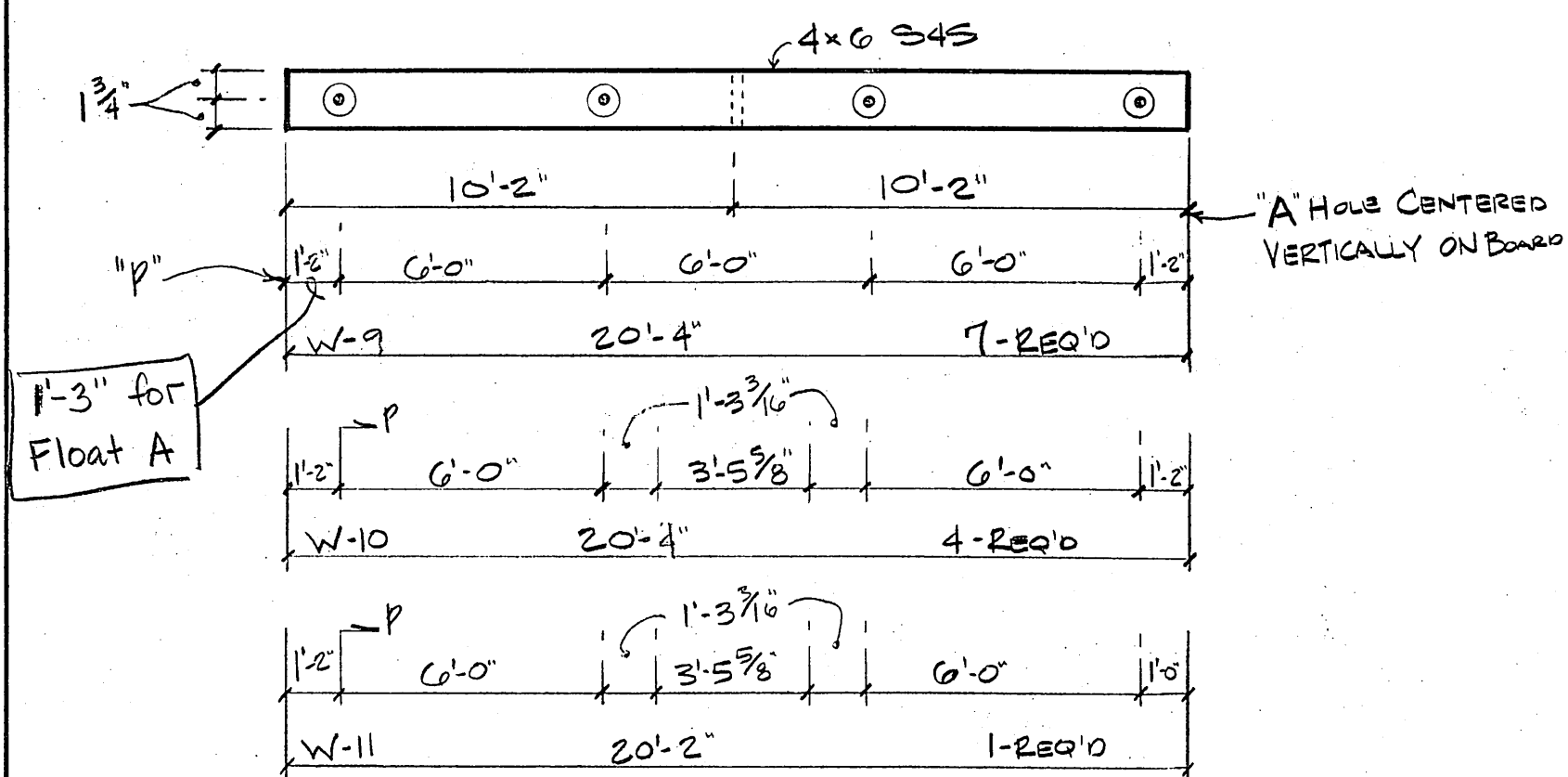
CUT SECTION



"R" LINE PROFILE

NOTE: Material to be excavated for the launch ramp planks and floats is composed of rock, boulders, cobbles, sand and gravel. The quantities for Rock Excavation, item no 202(2), assumes all excavation for the launch ramp floats and planks is rock.

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
Mtn. Point		Ketchikan, Alaska	
RAMP PROFILE - CROSS SECTIONS			
DESIGNED <u>DDS</u>	CHECKED <u>WLT</u>	DRAWN <u>DB</u>	DATE <u>1-89</u>
PROJECT NUMBER <u>69805</u>	SHEET <u>4</u> OF <u>10</u>		



W-15	16'-6"	ACZA .G#	13-REQ'D
W-16	20'-0"	CREOSOTE	19-REQ'D
W-17	6'-4"	ACZA .G#	9-REQ'D
W-18	8'-1"	CREOSOTE	10-REQ'D
W-19	18'-1"	ACZA .G#	1-REQ'D
W-20	8'-1"	ACZA .G#	1-REQ'D
W-21	6'-3"	ACZA .G#	1-REQ'D

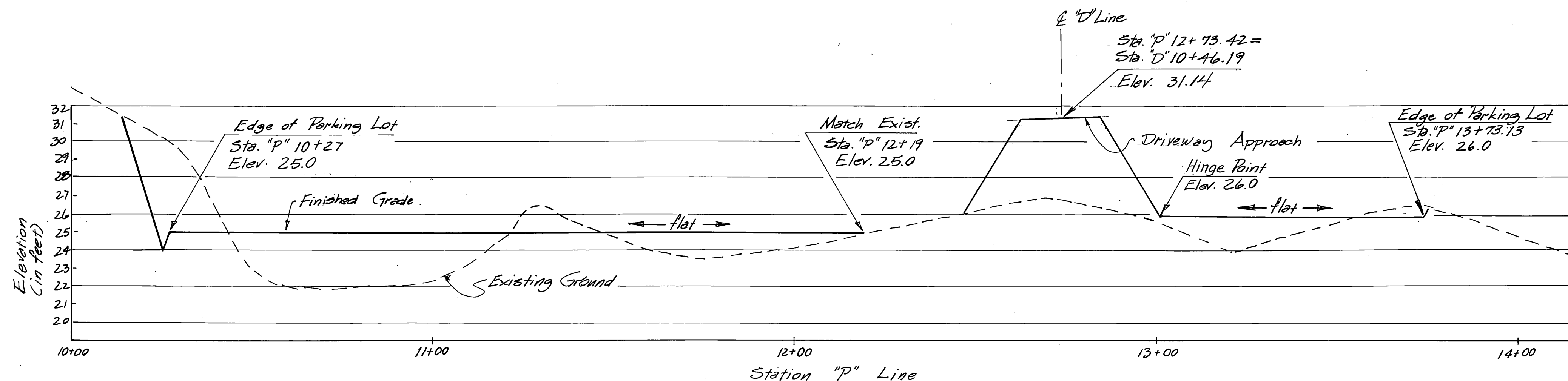
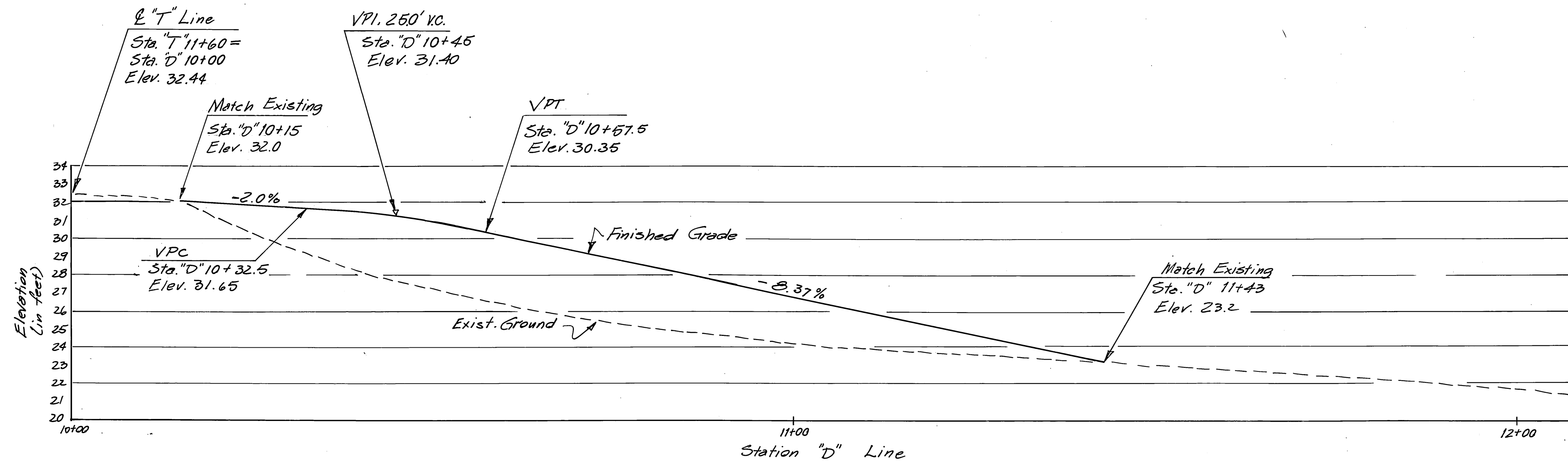
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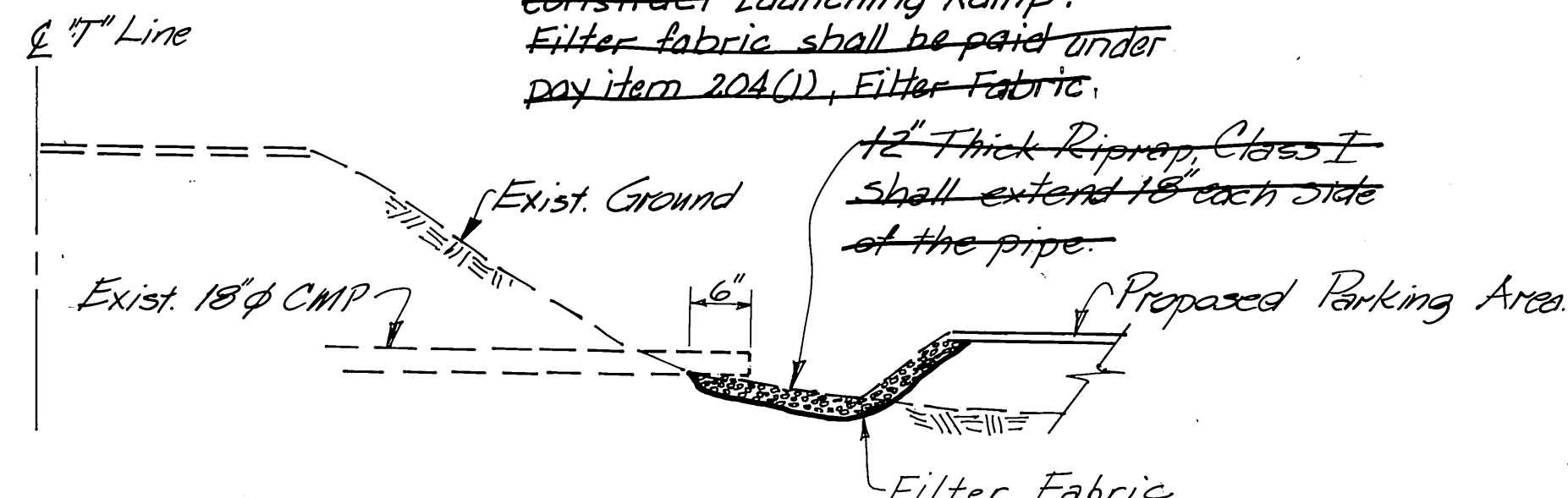
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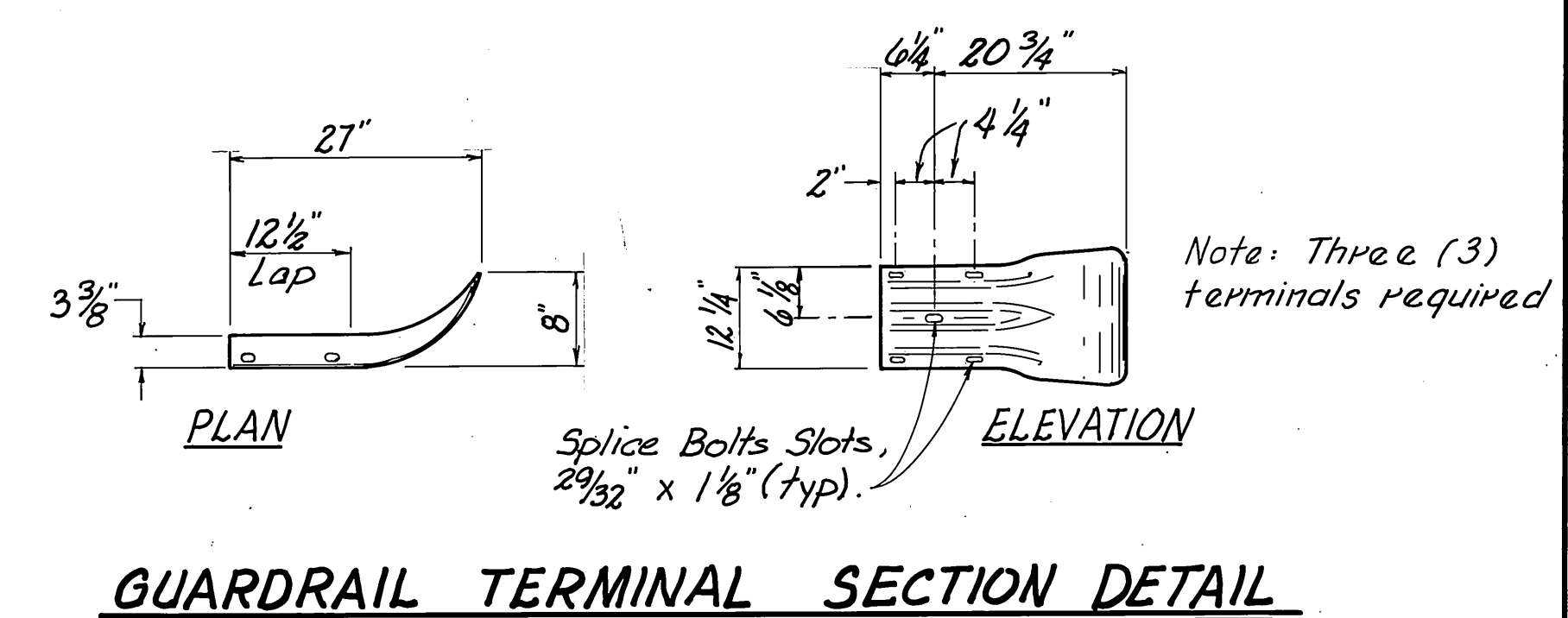
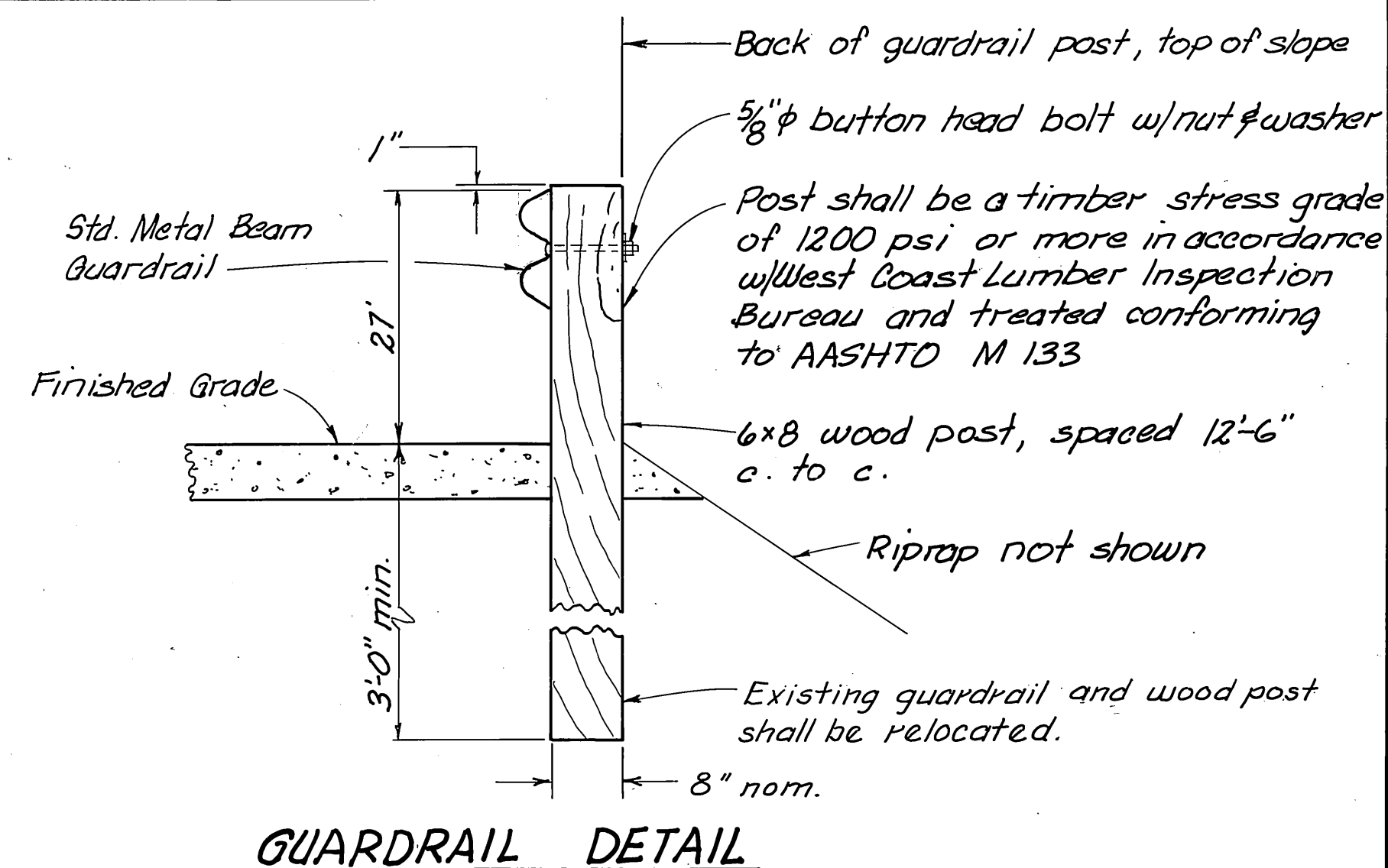
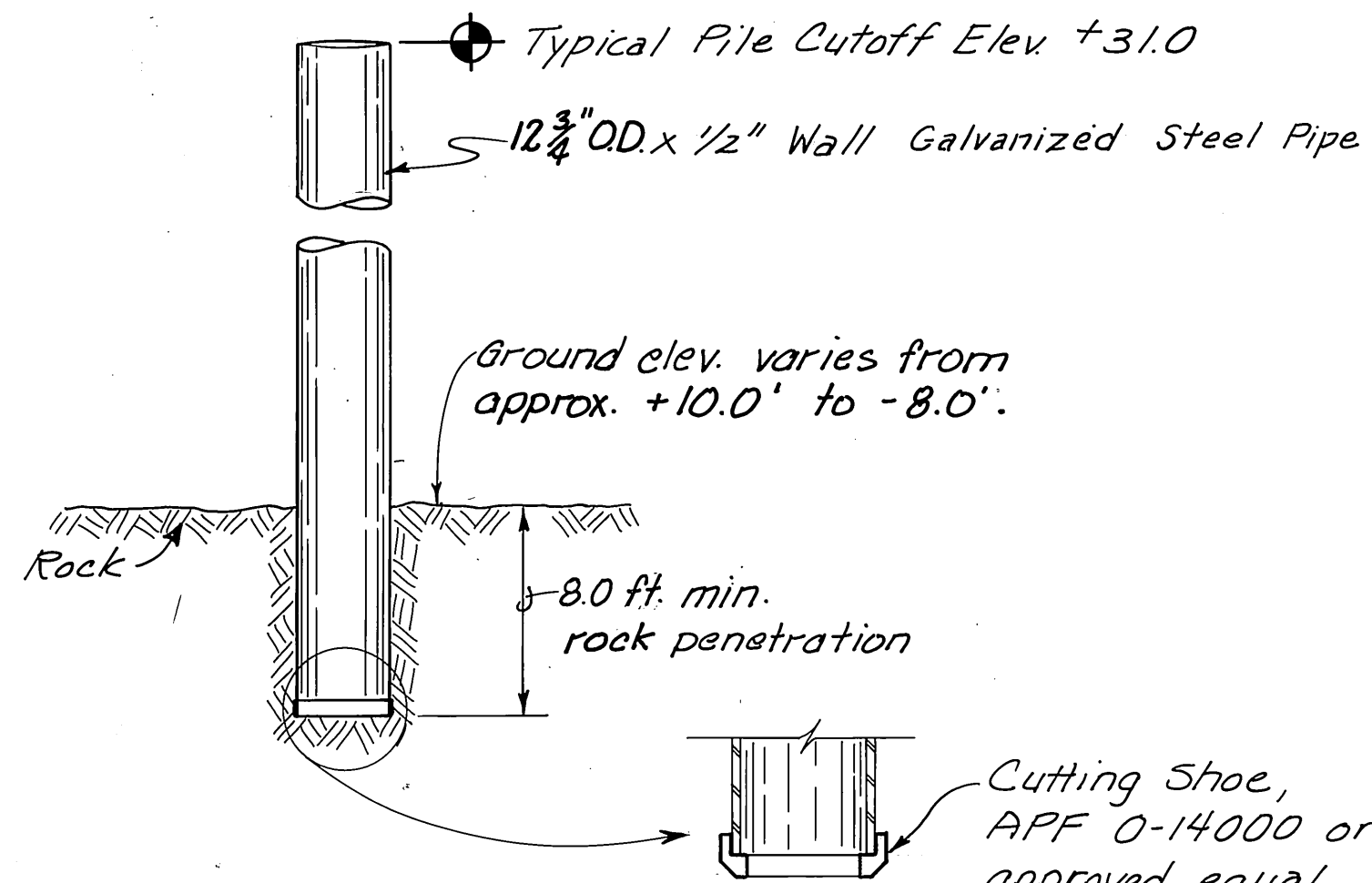
Revision:	By:	Date:	KETCHIKAN Mt. Point	Drawn by: R.E.L.
			KETCHIKAN AK	
			SPECIAL Wood Fast	Scale: N.T.S.
			Job No. 81-1370 / Proj # 69805	Date: 6-30-89
				Sheet: 5 of 6



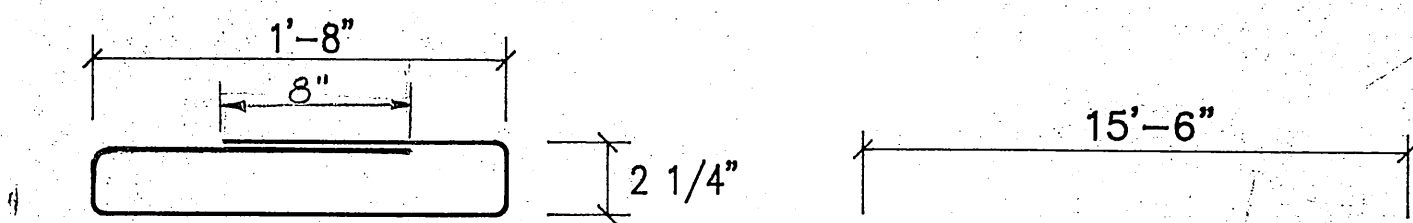
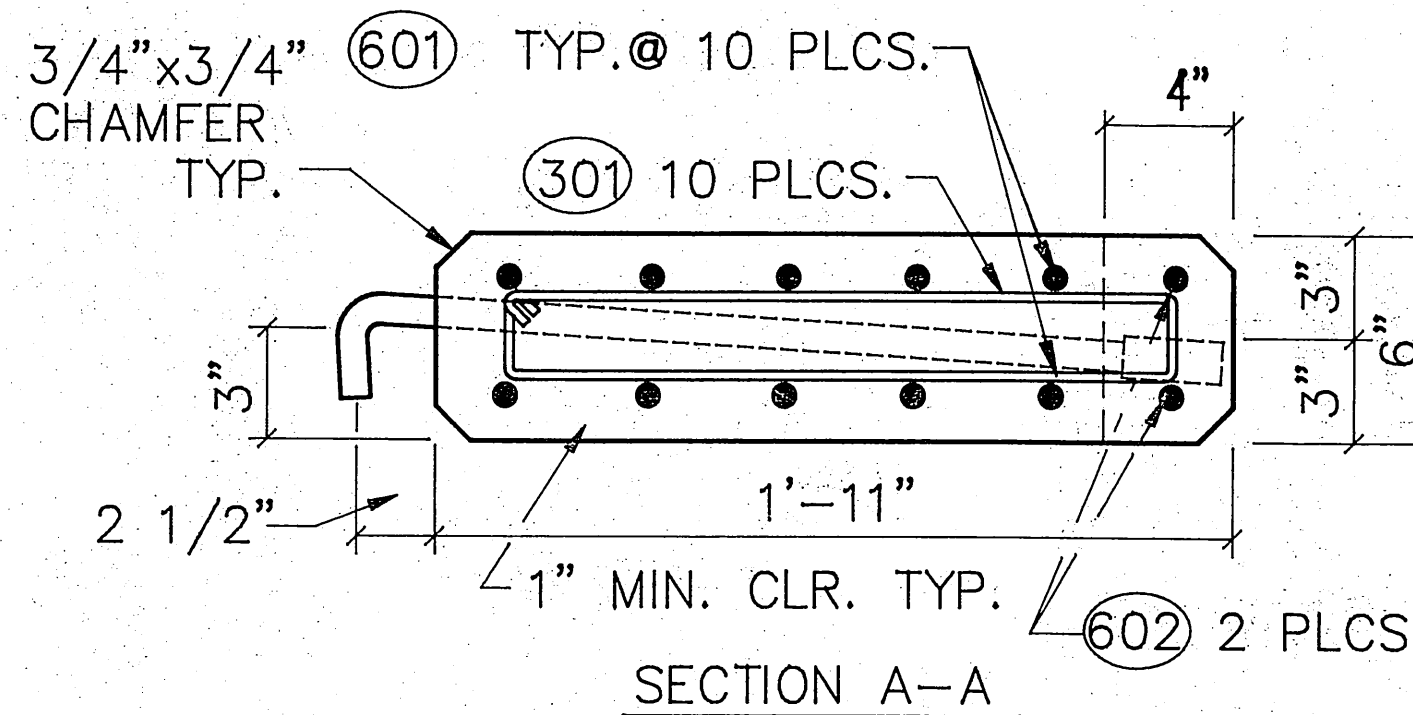
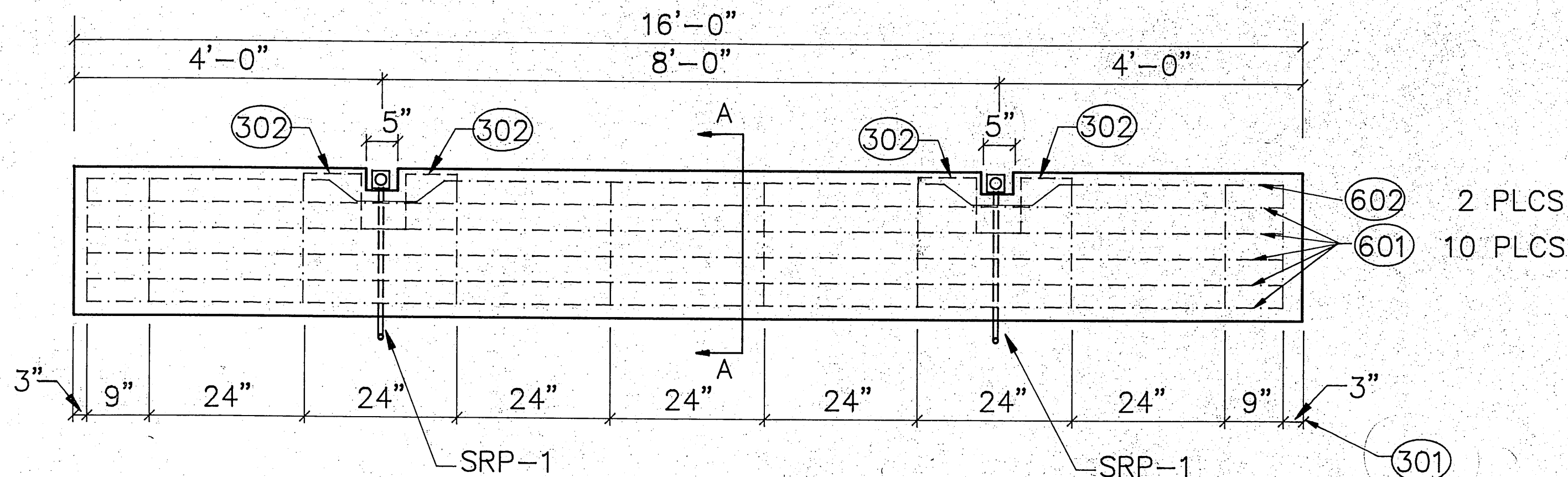
NOTE: Riprap Class I, for pipe end treatment shall be considered incidental to pay item 312(1). Construct launching ramp. Filter fabric shall be paid under pay item 204(1). Filter Fabric.



No Water in Culvert, Road crossing for underwater telephone cables abandoned

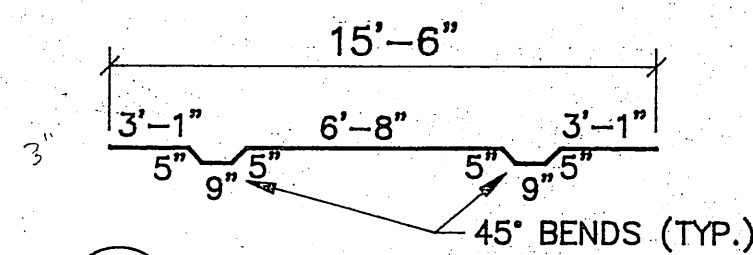


STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
		STATE OF ALASKA			
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
		Mtn. Point Ketchikan, Alaska			
		"D" LINE : "P" LINE PROFILE			
DESIGNED	DDG	CHECKED	WLT	DRAWN	DDG
PROJECT NUMBER	69805	SHEET	5	OF	10
DATE	1-89				



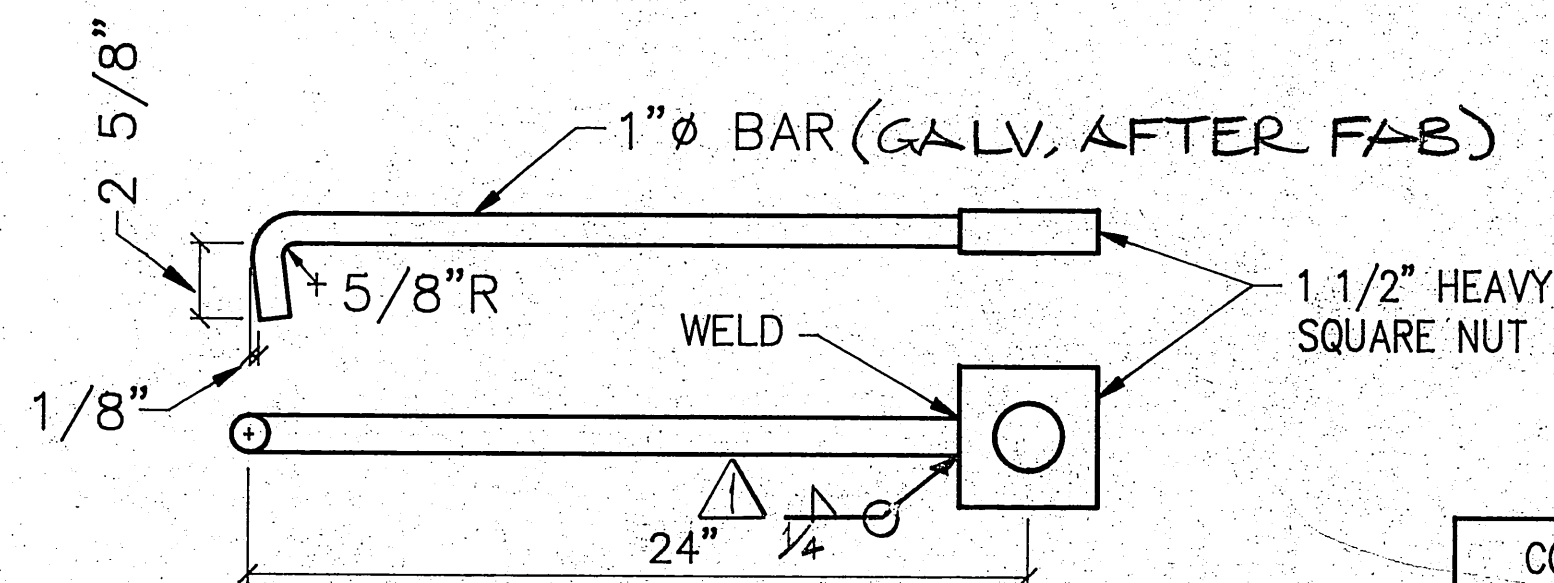
③ #3 GRADE 40 REBAR
10 REQ'D PER PLANK

⑥01 #6 GRADE 60 REBAR
10 REQ'D PER PLANK



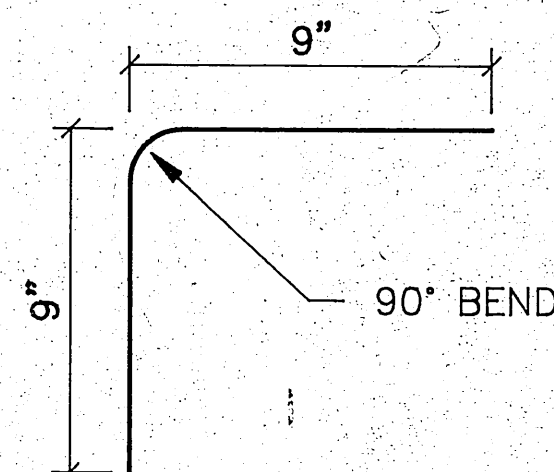
⑥02 #6 GRADE 60 REBAR
2 REQ'D PER PLANK

REBAR DIMENSIONS- OUT TO OUT



SRP-1 2 REQ'D PER PLANK

→ SUPPLY 2 EXTRA FOR FIELD CAST ←
ABUTMENT. *



302 #3 GRADE 60 REBAR
8 ~~4~~ REQ'D PER PLANK

CONC. WT.	150#
CU. FT. CONC.	15.4
RAMP PLANK WT.	2600#

PRECAST RAMP PLANK		
TYPE	DESCRIPTION	REQ'D
RP-1	6" x 1'-11" x 16'-0" RAMP PLANK	97

ITEMS REQUIRED FOR RAMP PLANK			
TYPE	DESCRIPTION	PER PLANK	TOTAL
* SRP-1	1" ϕ x 24" LG. STEEL HOOK & EYE	2	196
301	#3 REBAR STIRRUP	10	970
302	#3 x 9" x 9" REBAR GRADE 60-1 BEND	8	308
601	#6 x 15'-6" LG. REBAR GRADE 60	10	970
602	#6 x 15'-6" LG. REBAR GRADE 60-8 BENDS	2	194

NOTES:
REINFORCEMENT PER ASTM A-615
ALL REBAR EPOXY COATED AFTER BENDING
IN ACCORDANCE WITH ASTM A775
CEMENT PER ASTM C-150
AGGREGATE PER 304-2.01 OF SPECS,
28 DAY COMPRESSIVE STRENGTH 5000 PSI
ROUGH BROOM FINISH ON TOP SURFACE

Bellingham Marine Industries, Inc.

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Revision: _____ By: _____ Date: 1/1/2017

KETCHIKAN MT POINT

KECHIKAN, A.K.

Revised 2/24/2025

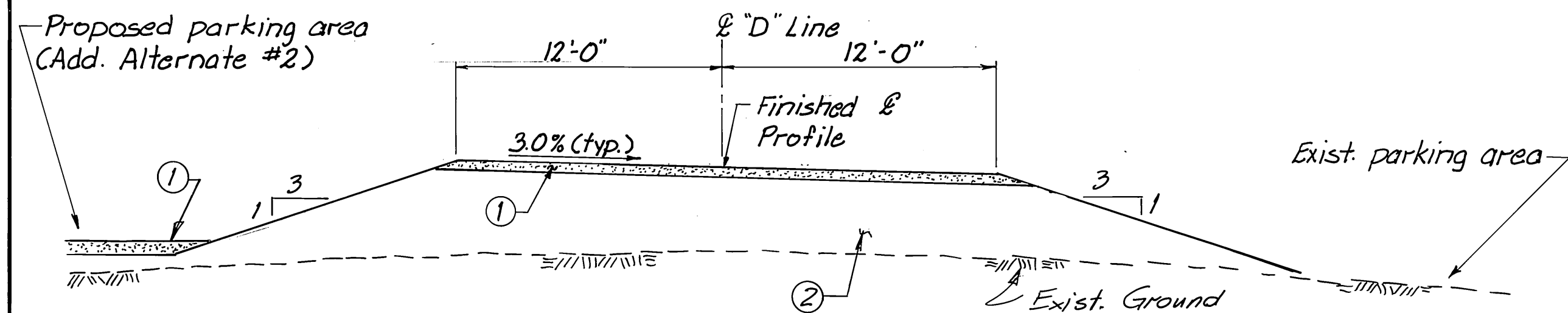
Job No. 89-1370/ Proj. # 69805

Drawn by: M.C. O. TMA N

Scale: N T S.

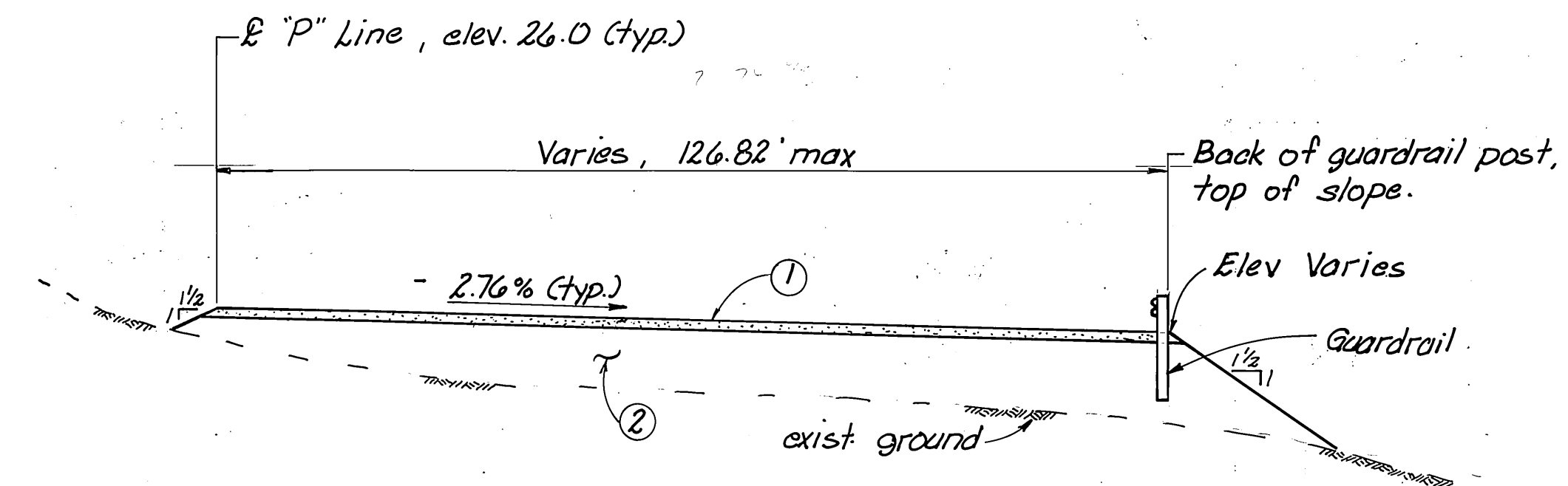
Date: 6/22/89

Date: 01/24/81
Sheet: / of: /

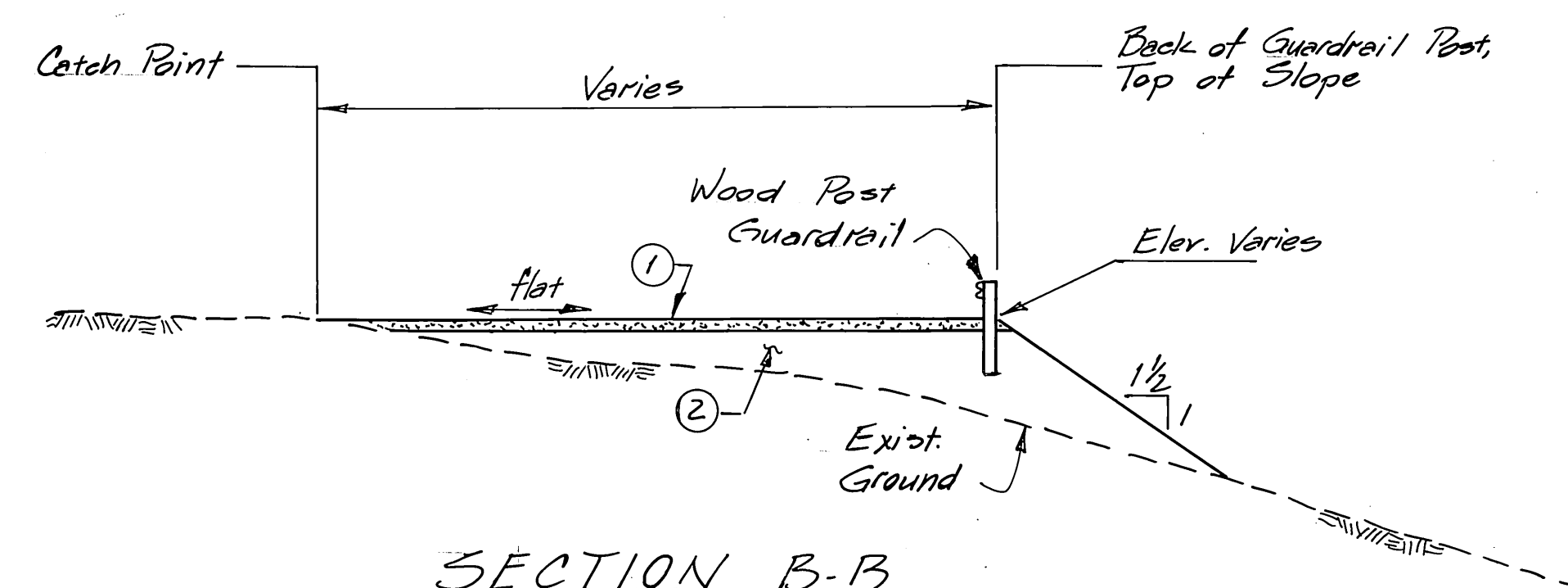


STA. "D" 10+15 to STA. "D" 11+43

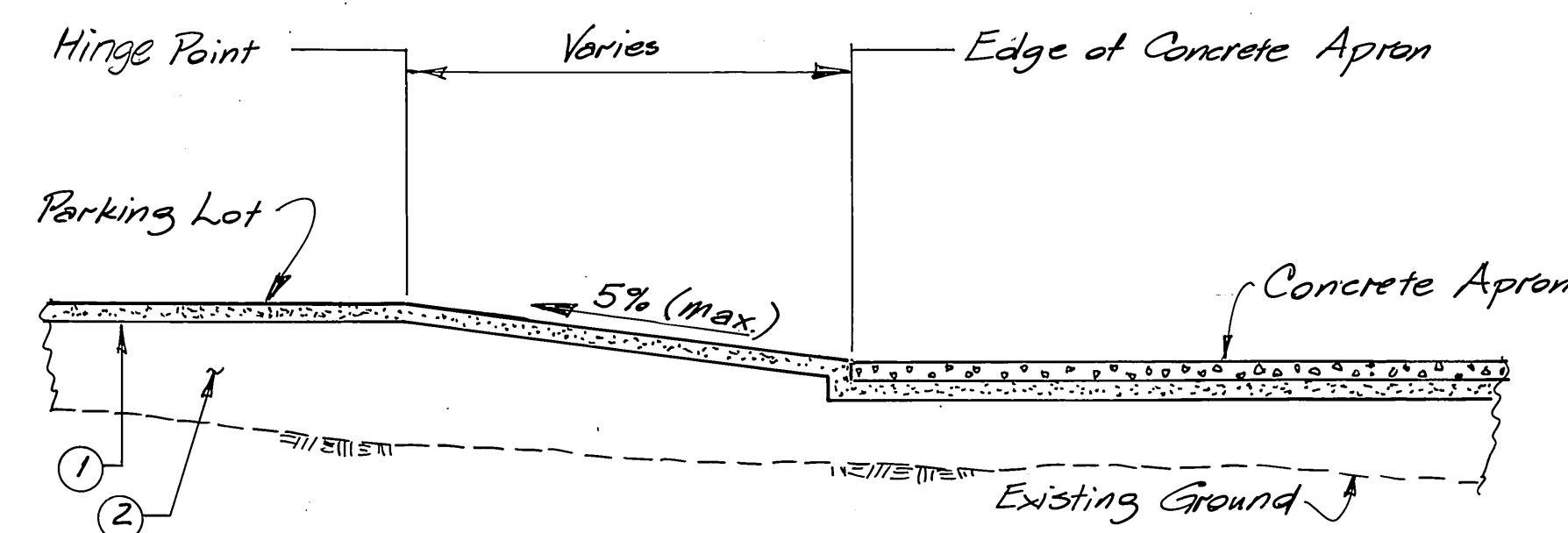
NOTE: See sheet 5 for guardrail detail.



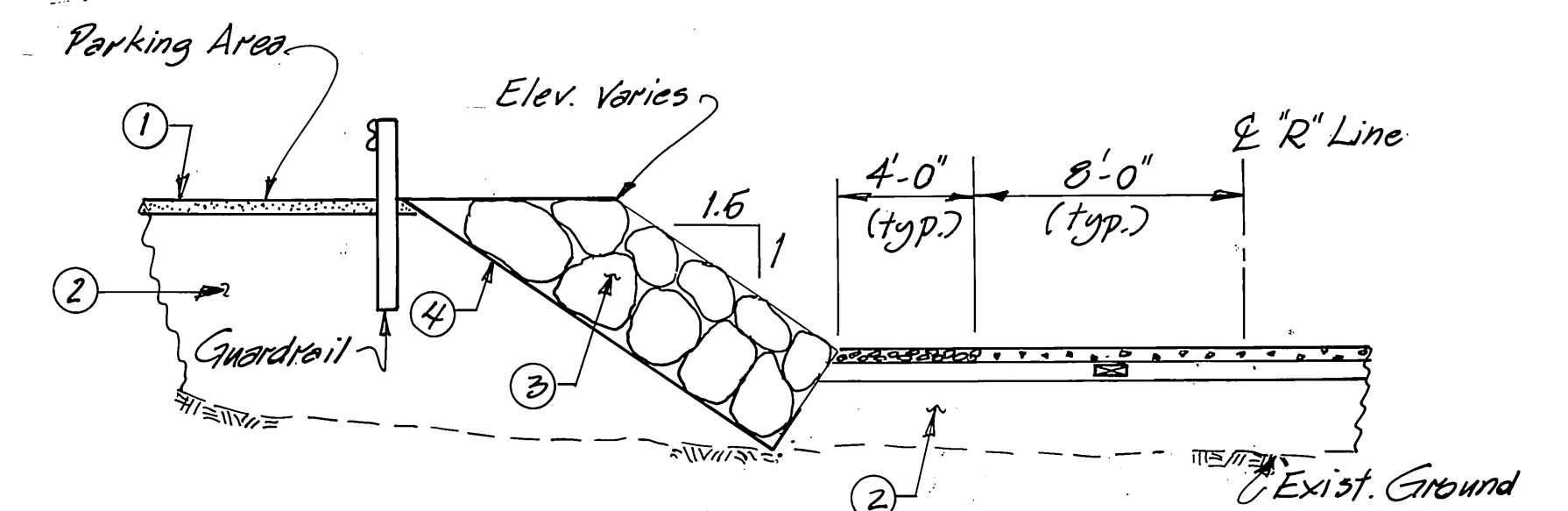
SECTION E-E
(Additive Alternate No. 2)



SECTION B-B
(Additive Alternate No. 2)

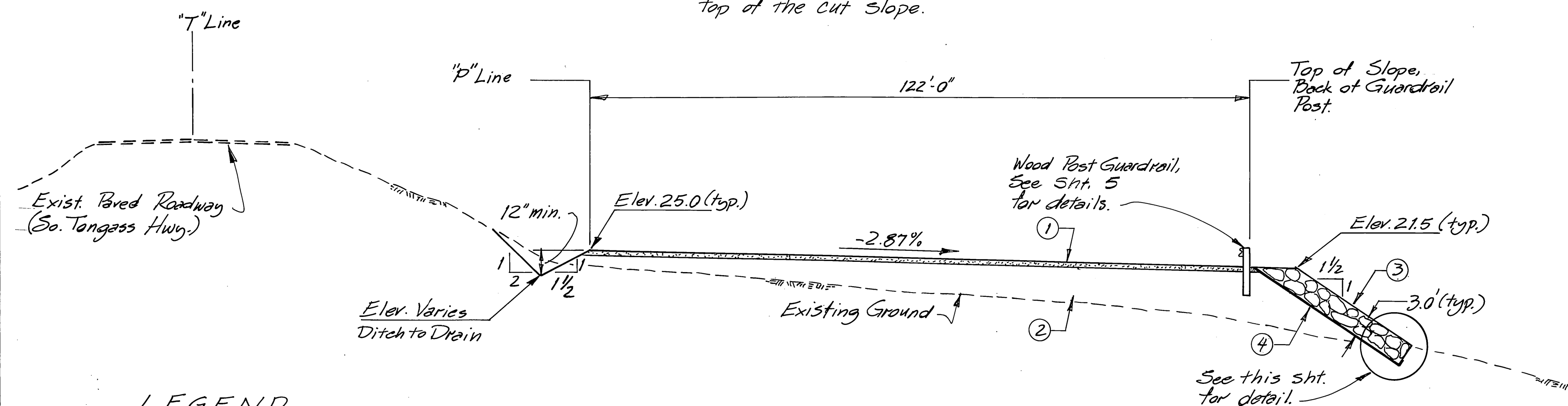


SECTION C-C

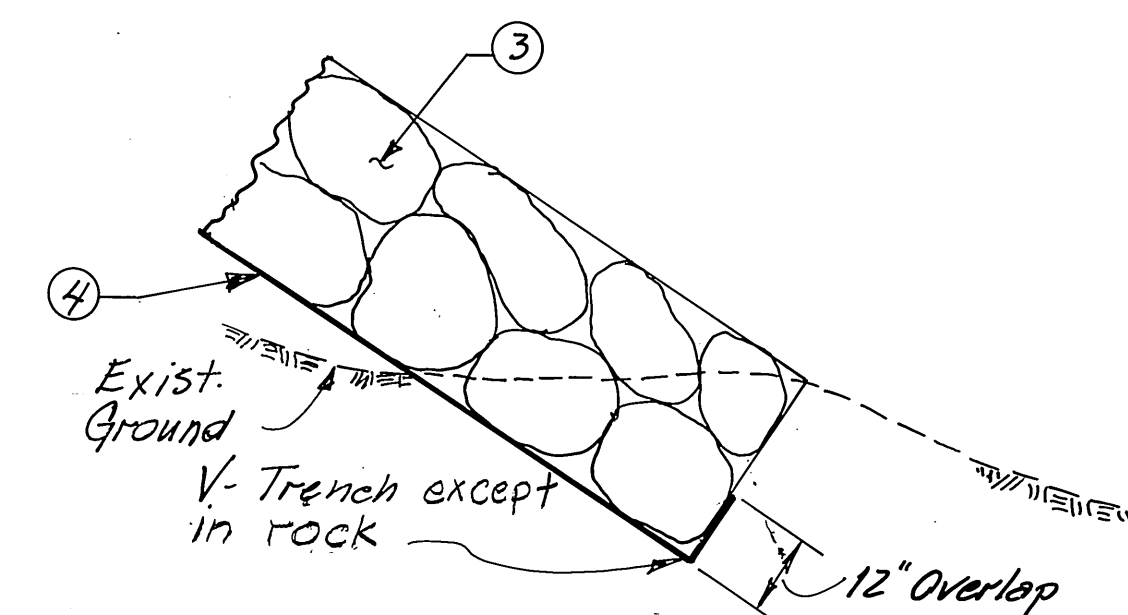


SECTION A-A

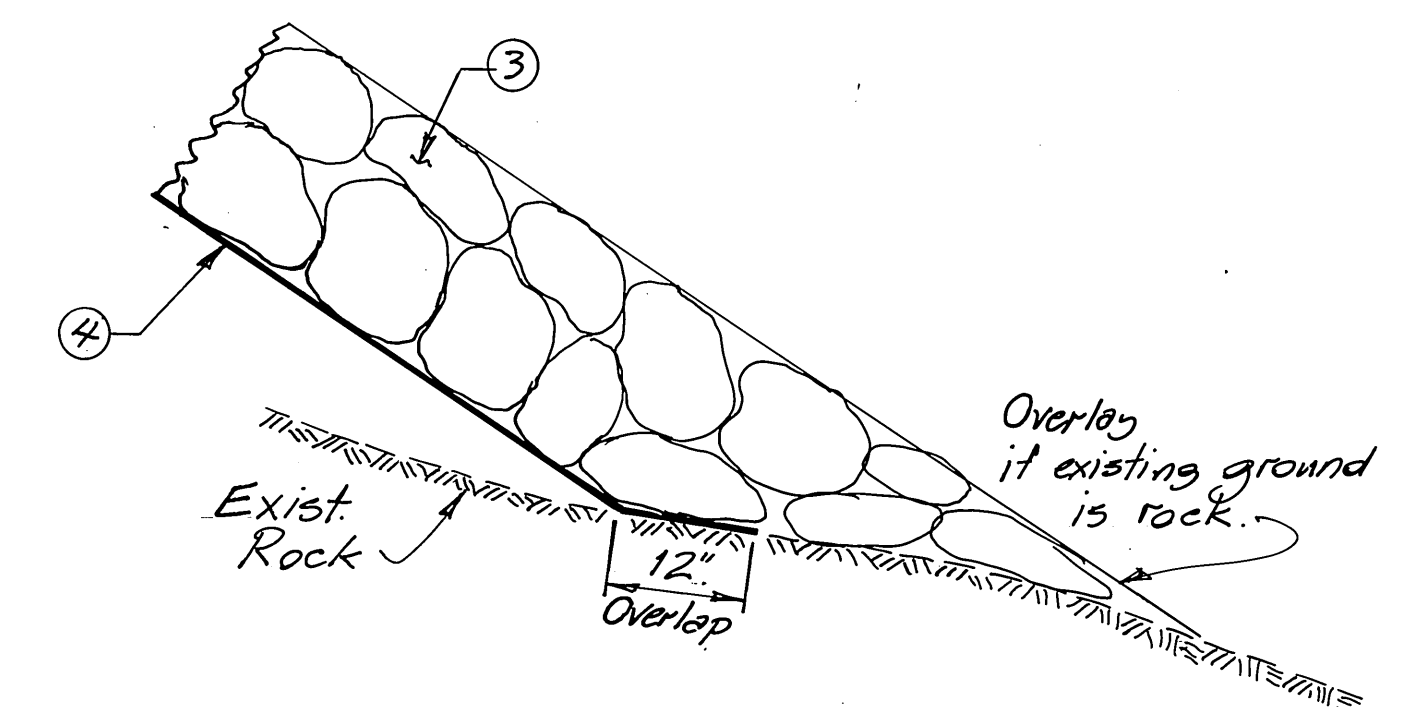
NOTE: Clearing and grubbing limits shall be to the toe of fill slope and top of the cut slope.



SECTION D-D



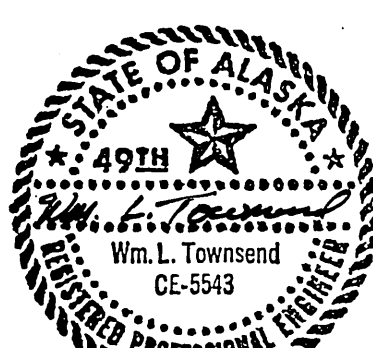
V-TRENCH

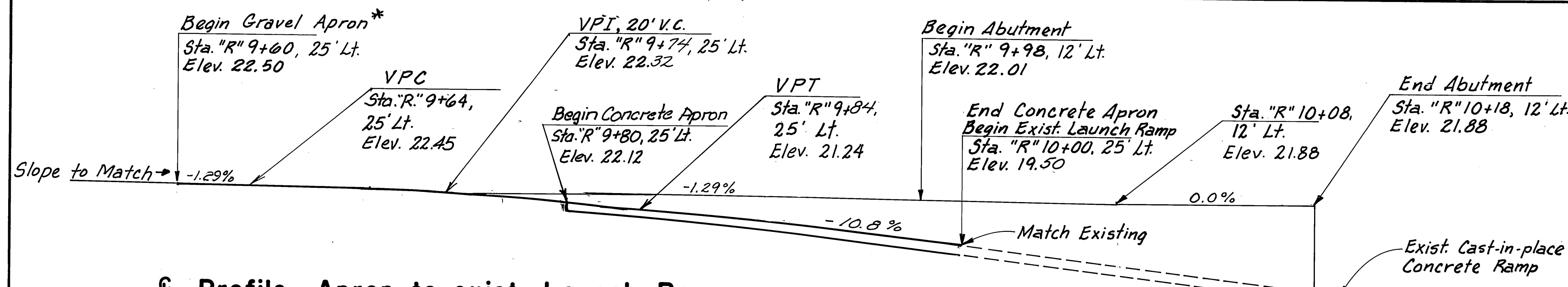


ROCK OVERLAY

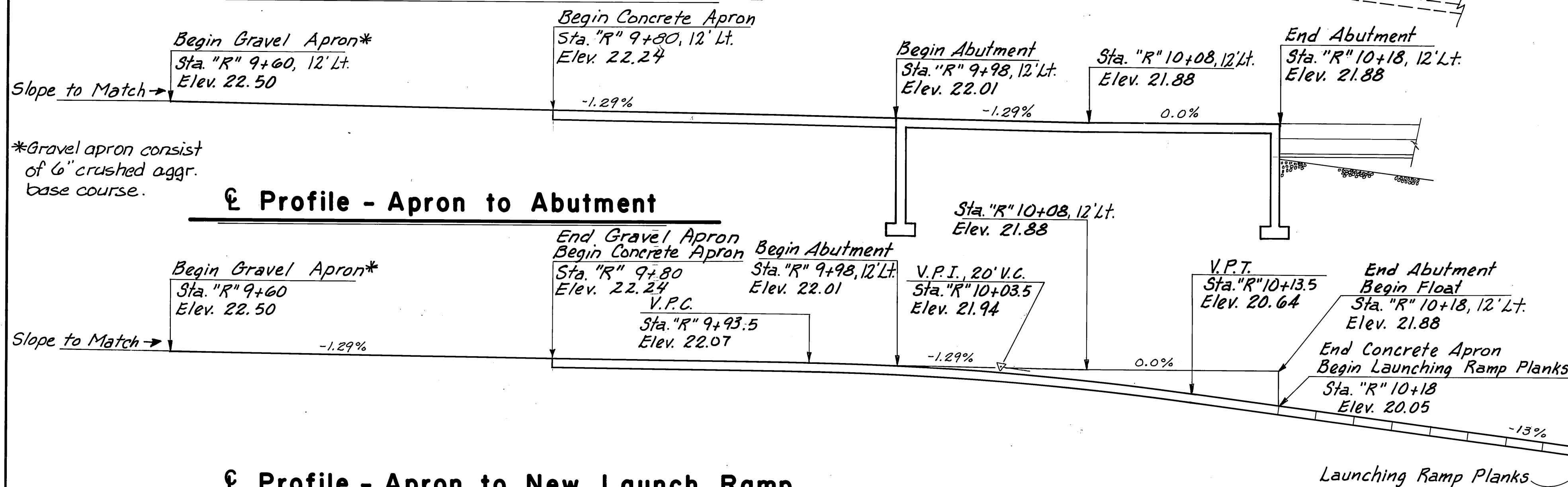
TOE OF RIPRAP DETAIL

- LEGEND**
- ① 6" Crushed Aggregate Base Course
 - ② Borrow, Type "C"
 - ③ 3.0' Thick Riprap, Class III
 - ④ Filter Fabric

STAMP		DO NOT SCALE THIS DRAWING — USE DIMENSIONS			
	STATE OF ALASKA				
	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES				
	Mtn. Point Ketchikan, Alaska				
	CROSS SECTIONS & MISC. DETAILS				
	DESIGNED <u>DDS</u>	CHECKED <u>WLT</u>	DRAWN <u>DB</u>	DATE <u>2-89</u>	
PROJECT NUMBER <u>69805</u>		SHEET <u>6</u> OF <u>10</u>			

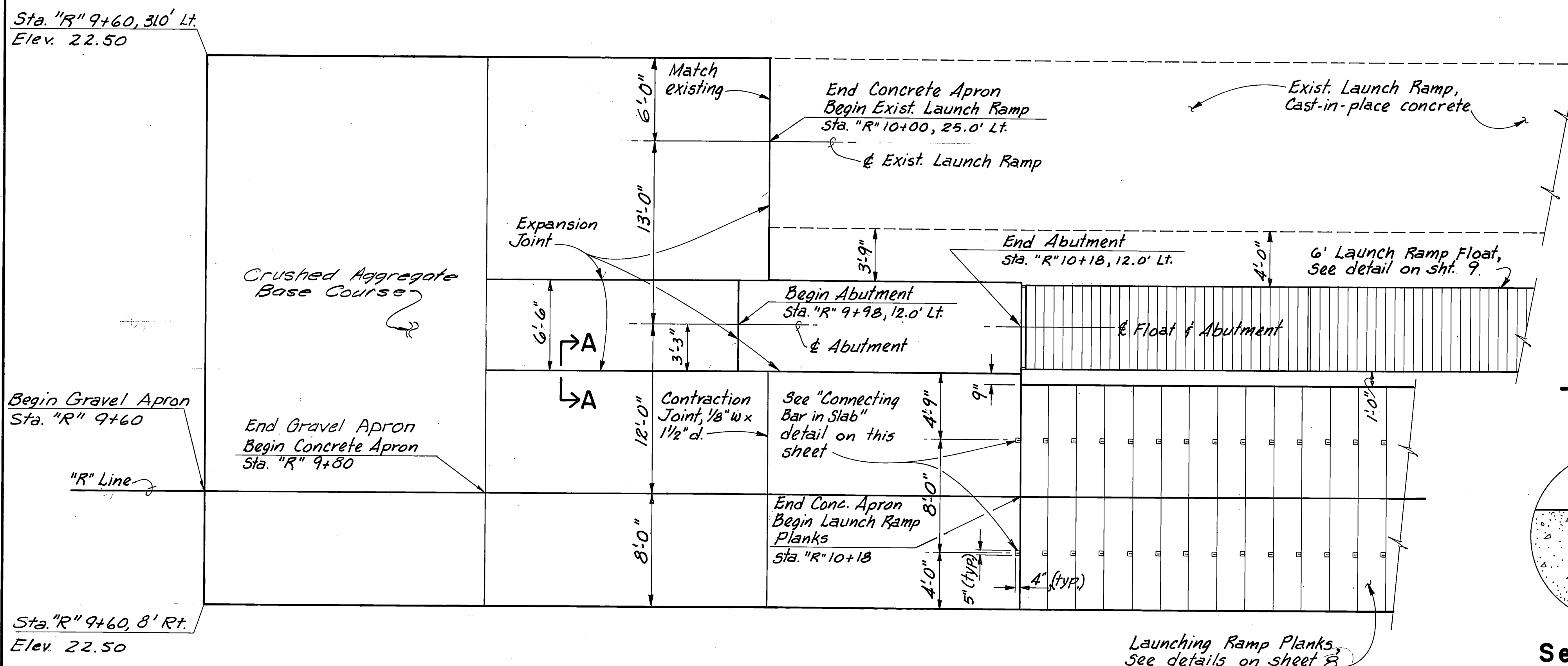


Profile - Apron to exist. Launch Ramp

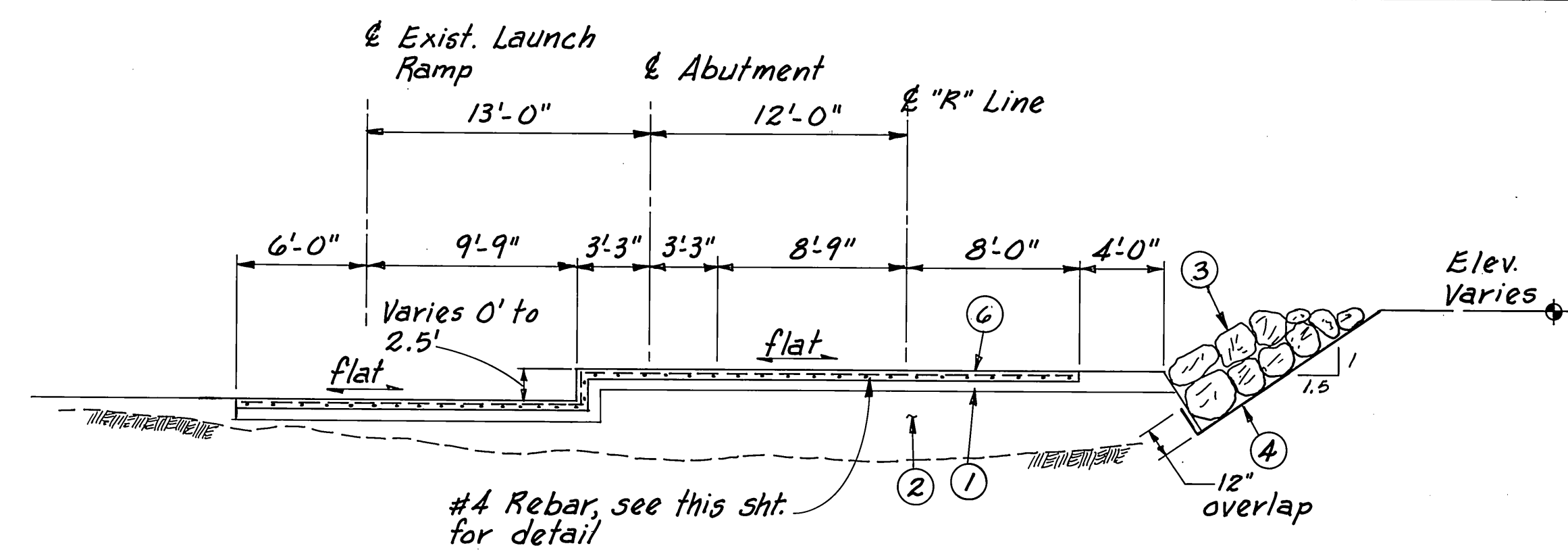


Profile - Apron to Abutment

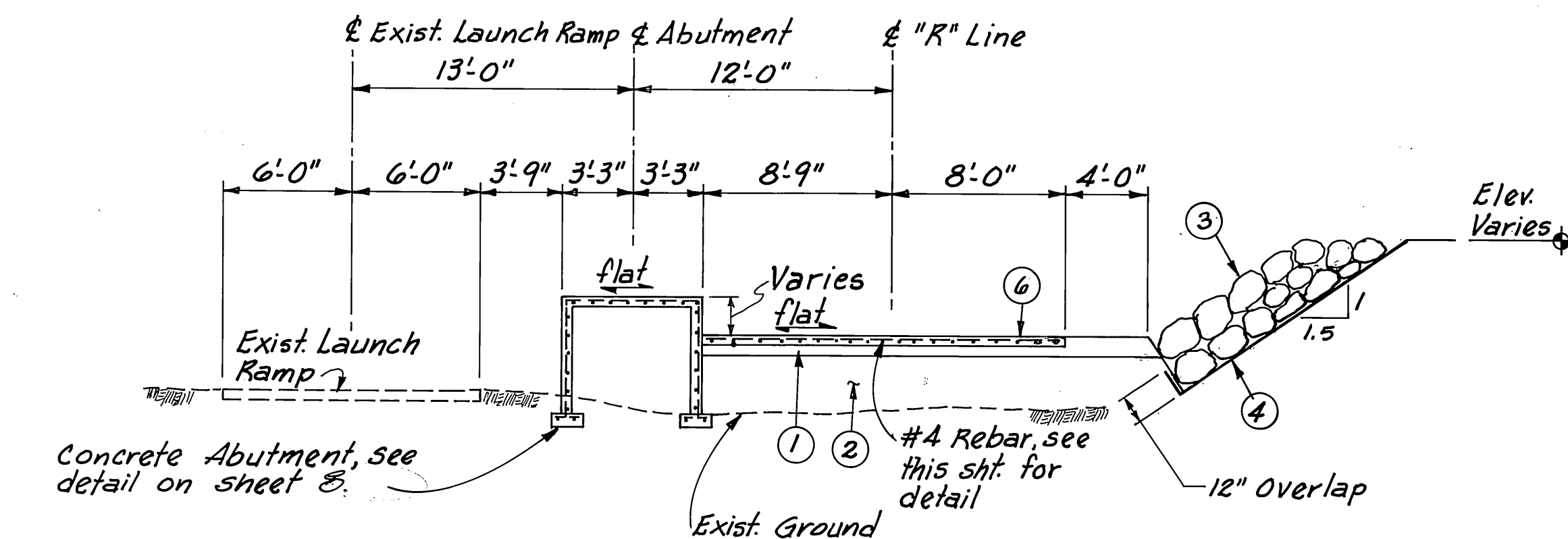
Profile - Apron to New Launch Ramp



Plan - Concrete Apron



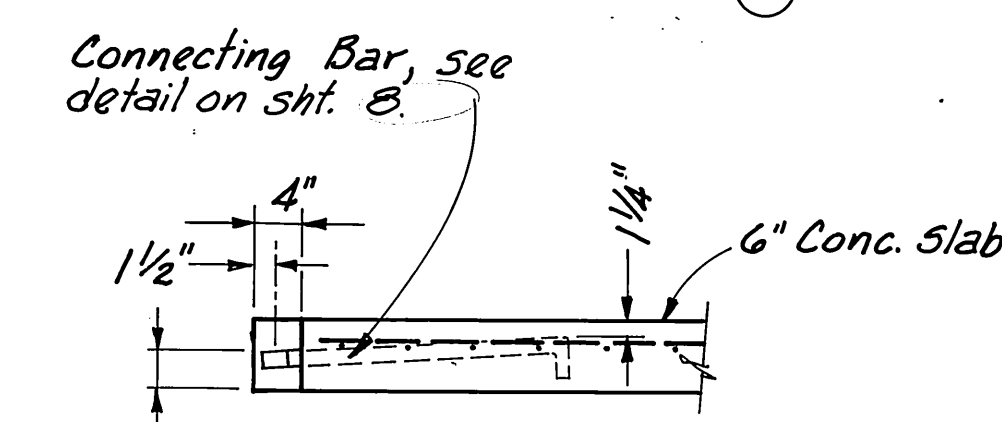
Sta. "R" 9+80 to Sta. "R" 9+98



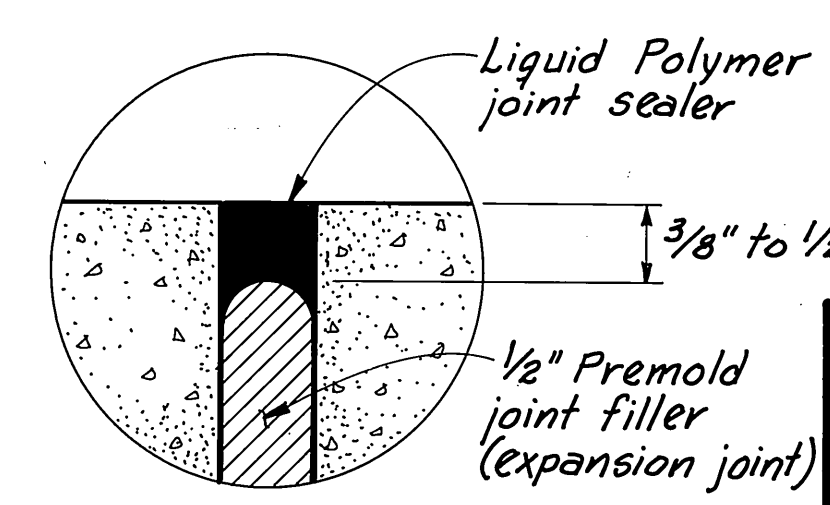
Sta. "R" 10+00 to Sta. "R" 10+18

(Sta. "R" 9+98 to Sta. "R" 10+00 not shown)

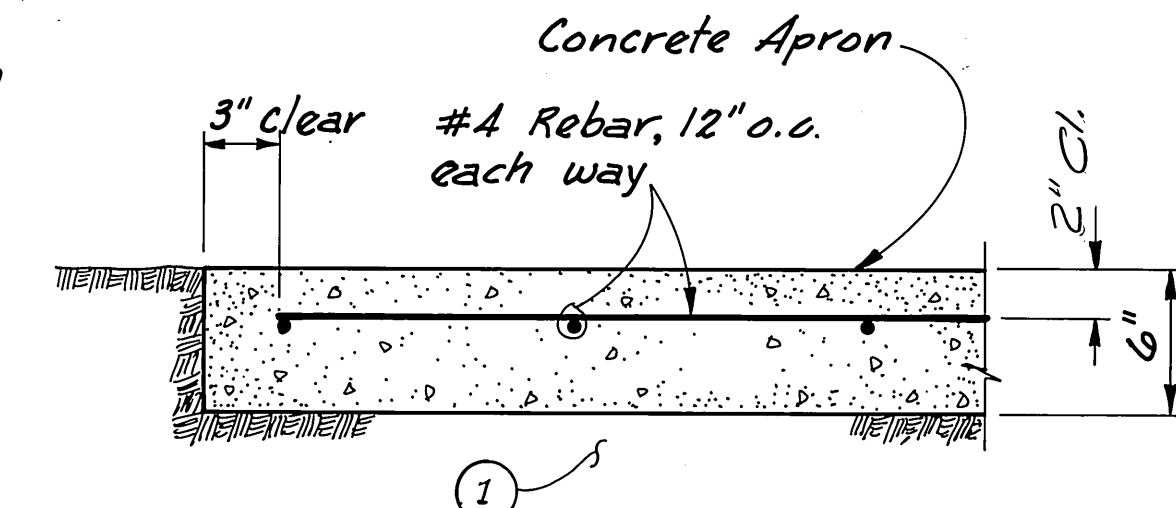
- ① 6" Crushed Aggregate Base Course
- ② Borrow, Type "C"
- ③ 3' Thick Riprap, Class III
- ④ Filter Fabric
- ⑤ (See Sheet 4)
- ⑥ 6" Thick Concrete, Class A



Connecting Bar in Slab

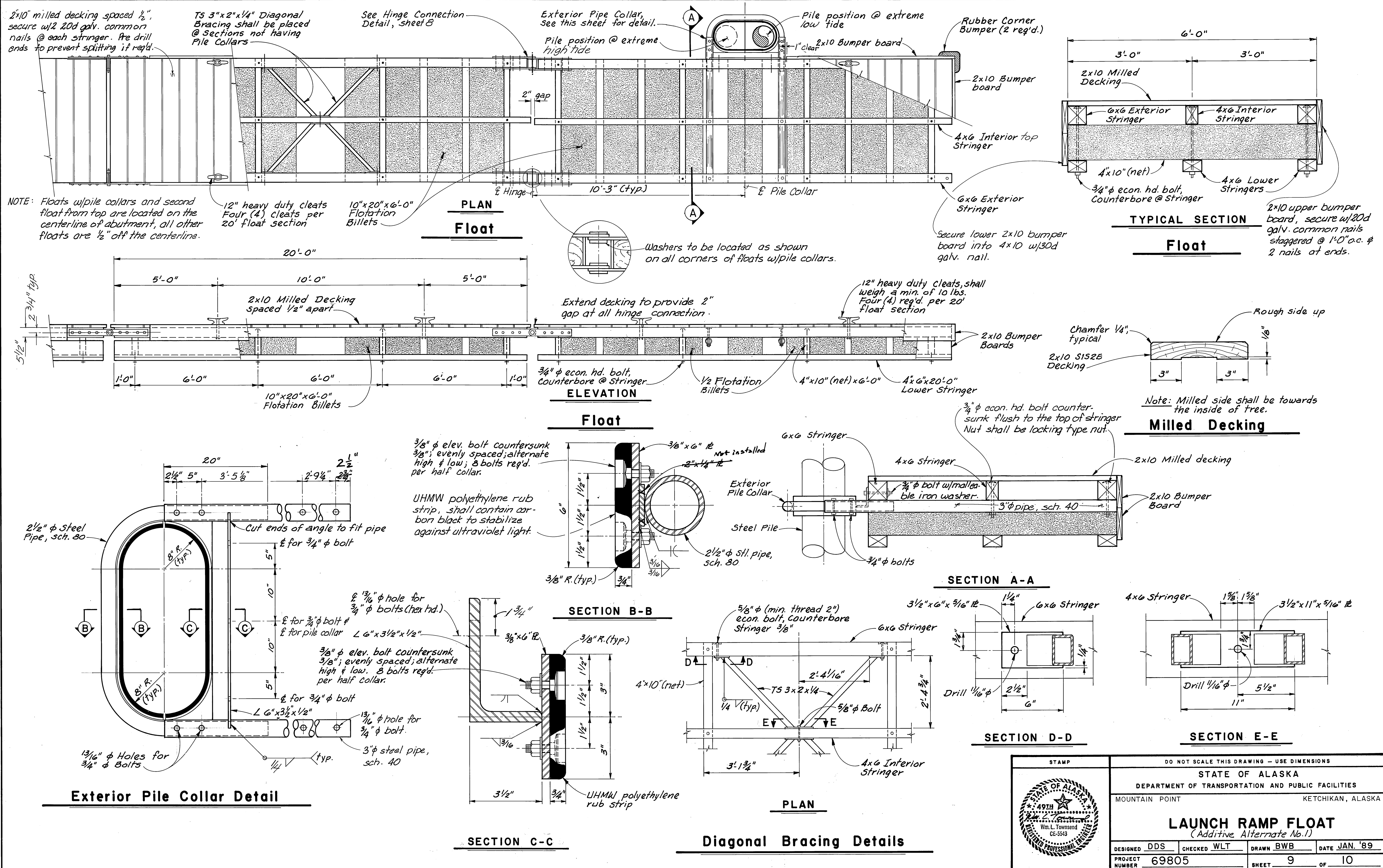


Section A-A

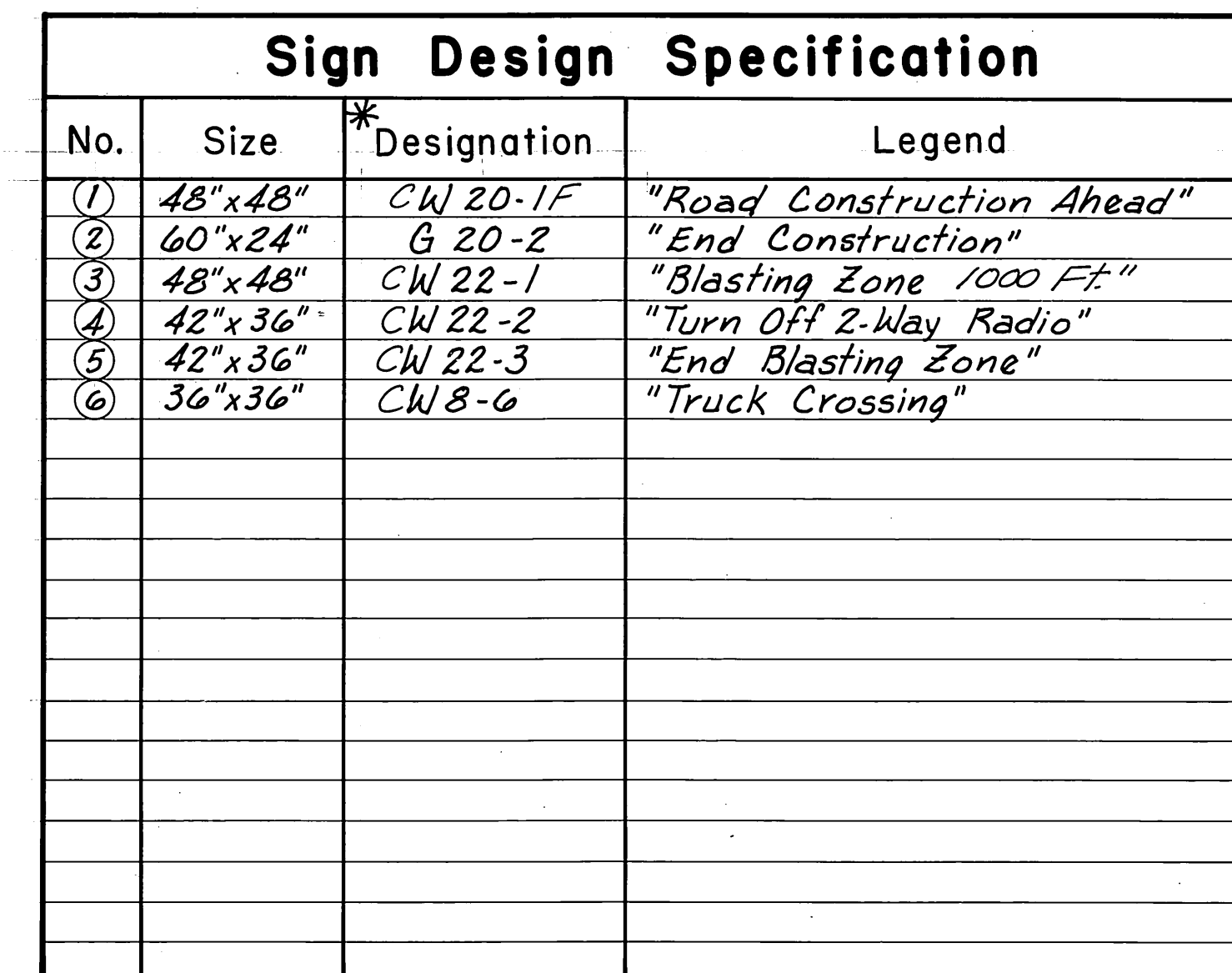


Apron - Reinforcement Detail

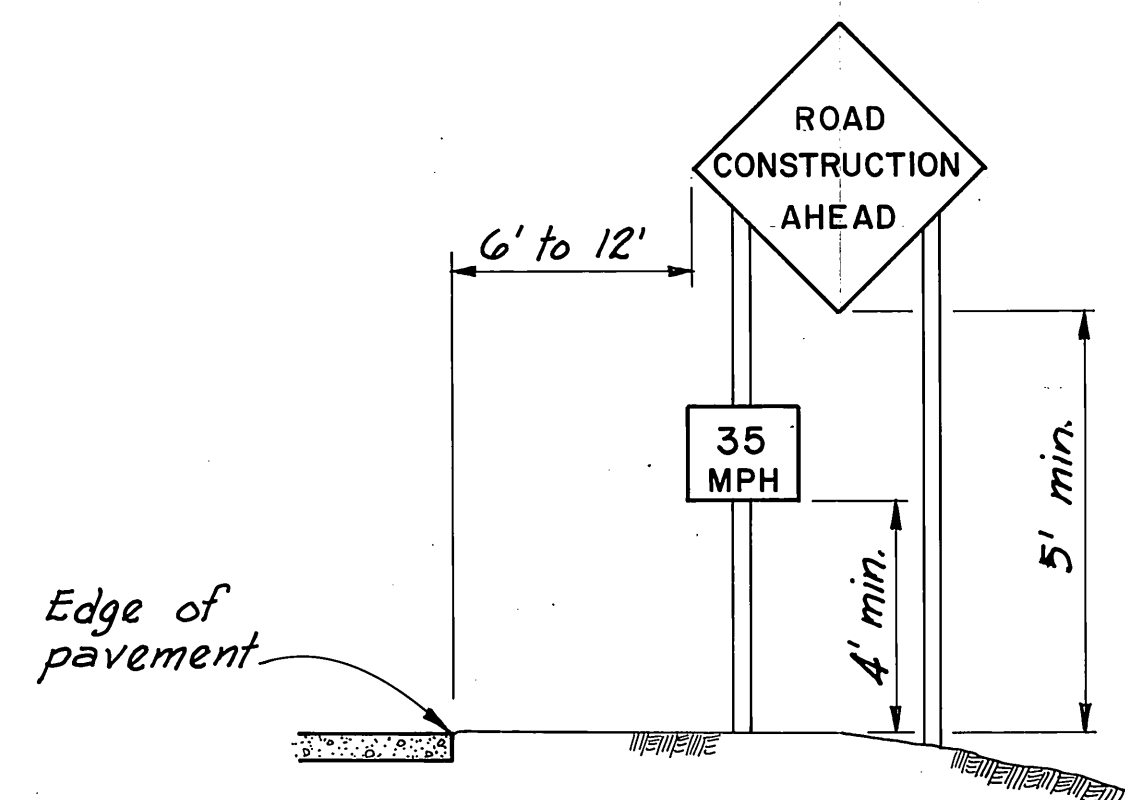
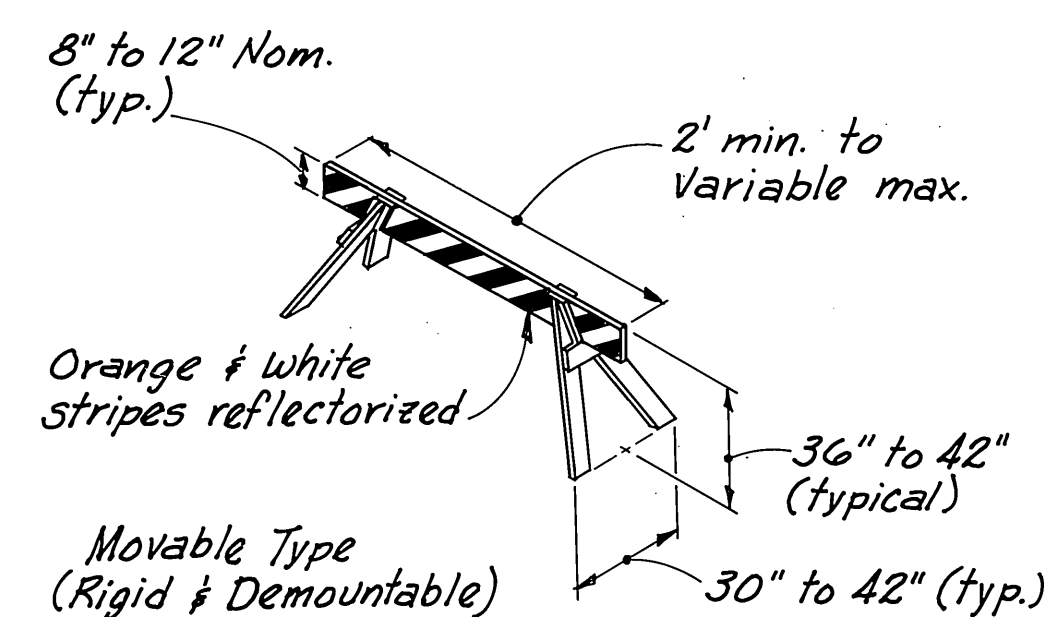
STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
STATE OF ALASKA 49TH Wm. L. Townsend CE-5563		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES MOUNTAIN POINT KETCHIKAN, ALASKA	
DESIGNED DDS		CHECKED WLT	DRAWN BWB
PROJECT NUMBER 69805		DATE JAN. '89	
SHEET 7		OF 10	



1. A minimum of one (1) lane shall be maintained for the driveway approach into the existing parking lot during the times as outlined in note #2.
2. Existing ramp and parking area shall remain open and accessible as described in Section 108-1.03 of the Specifications.
3. Existing ramp and parking may be closed for construction except as noted in Section 108-1.03 of the Specifications.
4. Signs shall be covered or removed when the designated application of the sign no longer applies.
5. Notice of ramp and parking closure shall be published in the local paper and broadcast on all radio stations that provide local coverage. Such notices shall be aired for a period of at least two (2) days immediately preceding the dates on which the foregoing traffic restrictions are put into effect.



* From Alaska Sign Design Specification (ASDS)



STAMP

A circular professional engineer seal for the State of Alaska. The outer ring contains the text "STATE OF ALASKA" at the top and "REGISTERED PROFESSIONAL ENGINEER" at the bottom, separated by stars. Inside the ring, a five-pointed star is at the top, followed by the text "49TH YEAR". Below this is the signature "Wm. L. Townsend" in cursive. At the bottom of the inner circle, it reads "Wm. L. Townsend" and "CE-5543".

DO NOT SCALE THIS DRAWING — USE DIMENSIONS

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

MOUNTAIN POINT

KETCHIKAN, ALASKA

TRAFFIC CONTROL PLAN

DESIGNED	DDS	CHECKED	WLT	DRAWN	BWB	DATE	JAN. '89
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PROJECT NUMBER	69805	SHEET	10	OF	10
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