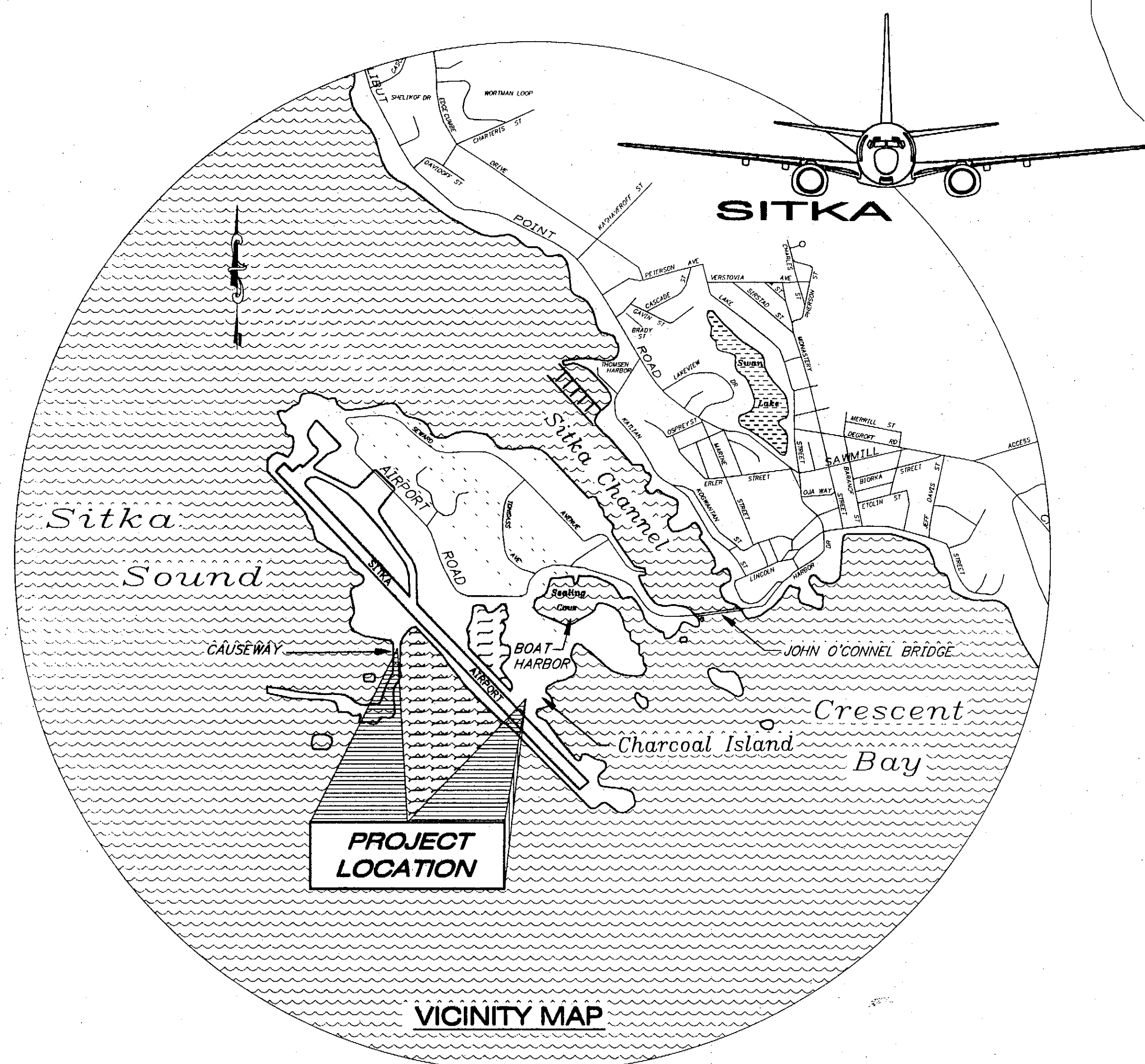


AIP NO. 3-02-0268-1603~ 68279



A-1
E-13.00

[illegible]

HORIZONTAL CONTROL

THE BASIS OF BEARING FOR JAPONSKI ISLAND IS THE STATE PLANE GRID BEARING OF S 43° 02' 50" E FROM THE RECOVERED THRESHOLD RUNWAY CENTERLINE MONUMENT #110 TO THE RECOVERED THRESHOLD RUNWAY CENTERLINE MONUMENT #107. CL MON #110 IS A 2"ALCAP GROUDED INTO THE THRESHOLD OF RUNWAY 11. CL MON #107 IS A 2" BRASS CAP GROUDED INTO THE THRESHOLD OF RUNWAY 29.

THE PROJECT SPECIFIC HORIZONTAL CONTROL IS THE BEARING OF S 42°59'55" E FROM SA-8 (#25) TO SA-14 (#31).

BASIS OF LOCAL COORDINATES IS SA-14 (#31) N=28149.2127' E=49480.0027'

VERTICAL CONTROL

THE BASIS OF VERTICAL CONTROL IS THE USC&GS BENCHMARK "16 1941" LOCATED AT THE NW CORNER OF THE ALASKA PIONEERS HOME GROUNDS. THE PUBLISHED ELEVATION FOR BENCHMARK "16 1941" IS 20.36' ABOVE MLLW BASED ON THE 1960-1978 TIDAL EPOCH.

THE PROJECT SPECIFIC BASIS OF VERTICAL CONTROL IS THE SA-14 (#31), WITH A MEASURED ELEVATION OF 22.25' ABOVE MLLW.

Charcoal Is. Fence Coordinate Table

No.	Coordinate	Length	Bearing
10	N 28515.8759 E 50370.9463	100.0'	Relocate Barrier C.O.#1
11	N 28992.2170 E 49916.1862	658.6'	N43°40'20"W
12	N 28852.2590 E 49855.5986	152.5'	S23°24'28"W
13	N 28971.9100 E 49584.5385	296.3'	N66°10'57"W
14	N 28865.2953 E 49536.5198	116.9'	S10°50'31"W
15	N 28800.2749 E 49548.9726	66.2'	S10°50'31"E
16	N 28718.6565 E 49527.1383	84.5'	S14°58'37"W
17	N 28732.9796 E 49449.3481	82.1' ±79.1'	N79°34'02"W
APPROX. LENGTH OF RUN		1495'±	

Lagoon Fence Coordinate Table

No.	Coordinate	Length	Bearing
1	N 29585.8886 E 48905.4679		
2	N 29264.9799 E 48910.3063	389.3' 320.9'	S00°51'50"E
APPROX. LENGTH OF RUN		320.9'	78.1' over
3	N 29277.006 E 49541.549		
4	N 29404.190 E 49624.922	152.1'	N33°14'46"E
5	N 29434.513 E 49695.169	76.5'	N66°39'07"E
6	N 29536.1423 E 49701.4776	103.5'	N03°33'07"E
APPROX. LENGTH OF RUN		332.1'	
7	N 29560.0962 E 49702.9645		
8	N 29603.7354 E 49705.6734	43.7'	N03°33'07"E
9	N 29659.2792 E 49656.2986	74.3'	N41°38'06"W
APPROX. LENGTH OF RUN		121.9'	

CONSTRUCT FENCE TO BACK OF EXISTING HIGHWAY GUARDRAIL

REPAIR 300 FEET OF EXISTING FENCE THAT EXTENDS INTO POND

Replaced

PLACE IN WATER FENCE.
(SEE SHEET D4)

PLACE IN WATER BARRIER.(SEE SHEET D5 & D6)

Tidal Datum Sitka, Baranof Island, Sitka Sound

HIGHEST OBSERVED TIDE	11/02/1948	14.68 FEET
MEAN HIGHER HIGH WATER	MHHW	9.91 FEET
MEAN TIDE LEVEL	MTL	5.29 FEET
MEAN LOWER LOW WATER	MLLW	0.00 FEET

Tidal Epoch = 1960 to 1978 published 10/31/84

Project Control Points

No.	Coordinate	Elevation	Point Description
25	N 28981.3256 E 48704.0811	22.01	ALCAP 2"/REBAR_SA-8
30	N 28399.0757 E 49573.3123	16.35	ALCAP 2"/REBAR_SA-13
31	N 28149.2127 E 49480.0027	22.25	ALCAP 2"/REBAR_SA-14
44	N 29182.7382 E 49775.8624	17.26	ALCAP 2"/REBAR_SA-27
45	N 29036.6709 E 50209.9170	17.76	BC2"/DOT/PF_SA-28
107	N 26790.7519 E 50604.1009	26.11	BC2"/STEM_CL_RNWX_99+00
110	N 31540.8956 E 46167.1951	23.99	ALCAP2"/STEM_CL_RNWX_164+00

200 100 0 200 400

SCALE IN FEET

Pond Fence Coordinate Table

No.	Coordinate	Length	Bearing
18	N 29230.8516 E 48941.9981		
19	N 29186.1651 E 48983.0445	60.7'	S42°34'07"E
APPROX. LENGTH OF RUN		60.7'	

Causeway Fence Coordinate Table

No.	Coordinate	Length	Bearing
20	N 28518.7228 E 47799.9860		
21	N 28511.1103 E 47855.0442	55.6'	S82°07'41"E
APPROX. LENGTH OF RUN		55.6'	

NOTES:

- COORDINATES GIVEN FOR CORNER POSTS ARE APPROXIMATE. FENCE AS SHOWN, AND ADJUST LOCATIONS AS DIRECTED BY THE PROJECT ENGINEER.
- FINAL LAYOUT SHALL TAKE ADVANTAGE OF NATURAL TERRAIN FEATURES TO ENHANCE THE SECURITY OF THE AIRPORT.
- WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED SHALL BE REFERENCED PRIOR TO BEING DISTURBED AND RE-ESTABLISHED IN THEIR ORIGINAL POSITION AND A RECORD OF MONUMENT FORM IN ACCORDANCE WITH A.S.34.65.040 SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING. COORDINATE VALUES LISTED ARE FOR INFORMATIONAL PURPOSES AND SHOULD BE USED TO RESET MONUMENTS ONLY AS A LAST RESORT. IF ANY PAIR OF CONTROL POINTS DISAGREES FROM PUBLISHED VALUE BY MORE THAN 1:10,000 HORIZONTALLY OR VERTICALLY THEN A THIRD NETWORK POINT MUST BE TIED TO ASCERTAIN WHICH IS IN ERROR OR HAS BEEN DISTURBED.

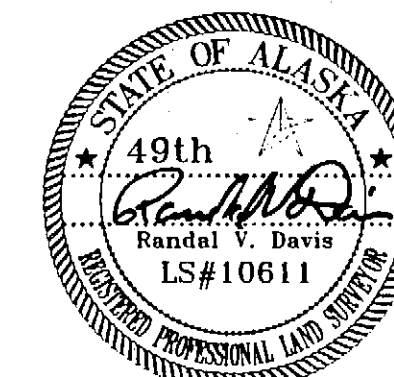
Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Engr. *[Signature]* Date *12/6* STAKE THE

PATH: Q:\SIT\68279\PlanSet\B1 Survey Control.dwg		
DATE: Mon, 12/Apr/04 08:47AM		
TAB: B1 rksnyder		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Survey Control & Layout Plan

DESIGNED BY: G. Allman



CHECKED BY: R. Davis

DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Survey Control & Layout Plan

PROJECT DESIGNATION NUMBER

AIP #3-02-0268-1603

STATE	YEAR
ALASKA	2003
SHEET NUMBER	TOTAL SHEETS
B1	12

ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM	UNIT	QUANTITY
F-162a	8 Foot Chain-Link Fence	Linear Foot	2482
F-162c	24 Foot Double Swing Gate	Each	2 3
G-100a	Mobilization and Demobilization	Lump Sum	1
G-135a	Construction Surveying by the Contractor	Lump Sum	1
M-300a	Structural Steel	Lump Sum	1
M-400c	Structural Steel Pipe Piles, Furnished	Foot	320 75
M-400d	Structural Steel Piles, Driven	Each	10 3
M-400e	Drilled Pile Socket	Each	2
P-158a	Erosion and Pollution Control Administration	Lump Sum	1
P-158b	Temporary Erosion and Pollution Control	Contingent Sum	1
G-135b	Replace Monument, CO 2	Lump Sum	1
M-300b	Relocate / Extend Barrier, CO 1	Lump Sum	1

2711.5

CO # 1 Extend steel

BASIS OF ESTIMATE			
ITEM NO.	ITEM	UNIT	QUANTITY
M-300a	STRUCTURAL STEEL	TONS	15.6

2

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Engr. Don Nel Date 12/06

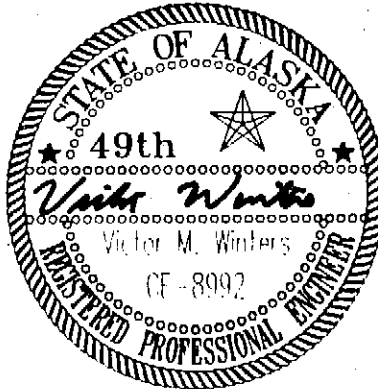
PATH:
Q:\Sit\68279\Planset\C1_Estimate.dwg
DATE:
Mon, 12/Apr/04 08:49AM
TAB: C1 rksnyder

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Estimate of Quantities

DESIGNED BY: G. ALLMAN



CHECKED BY: V. Winters

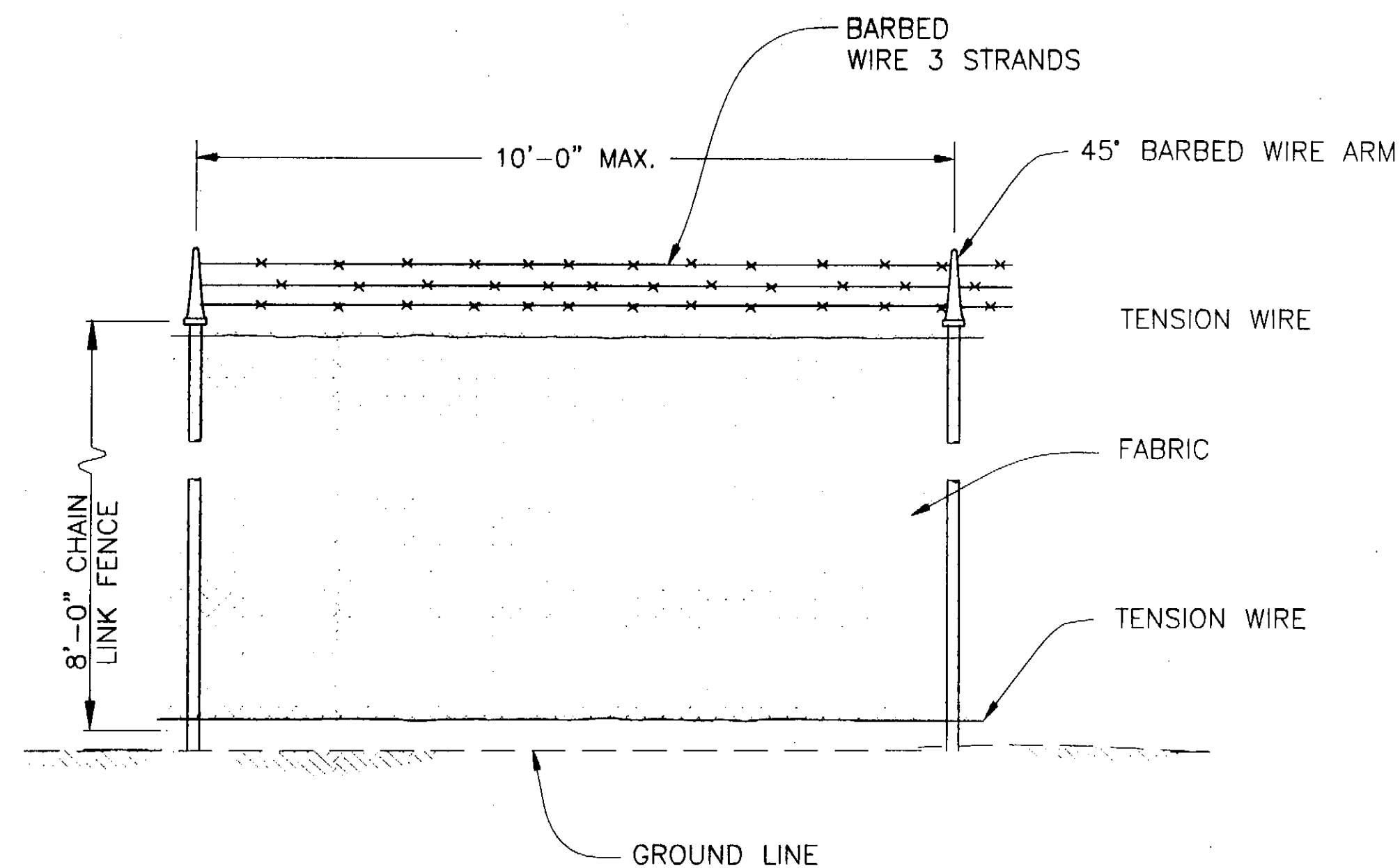
DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

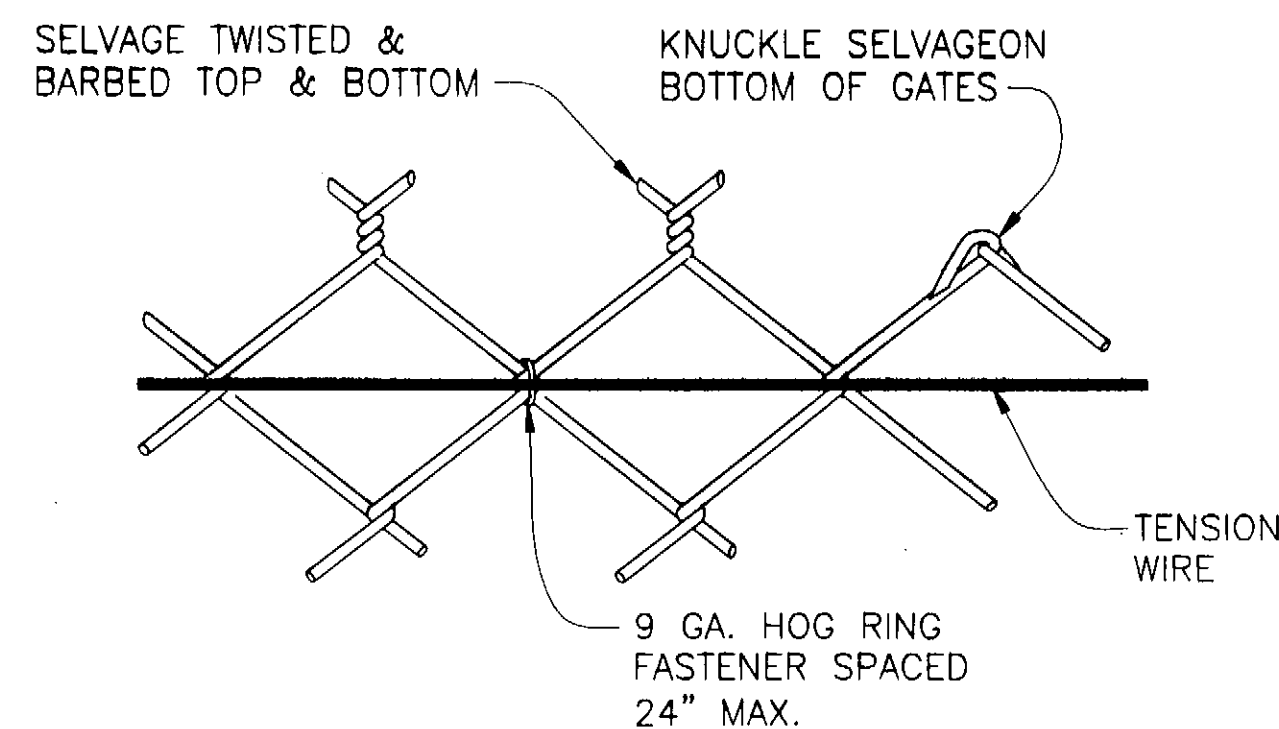
SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Estimate of
Quantities

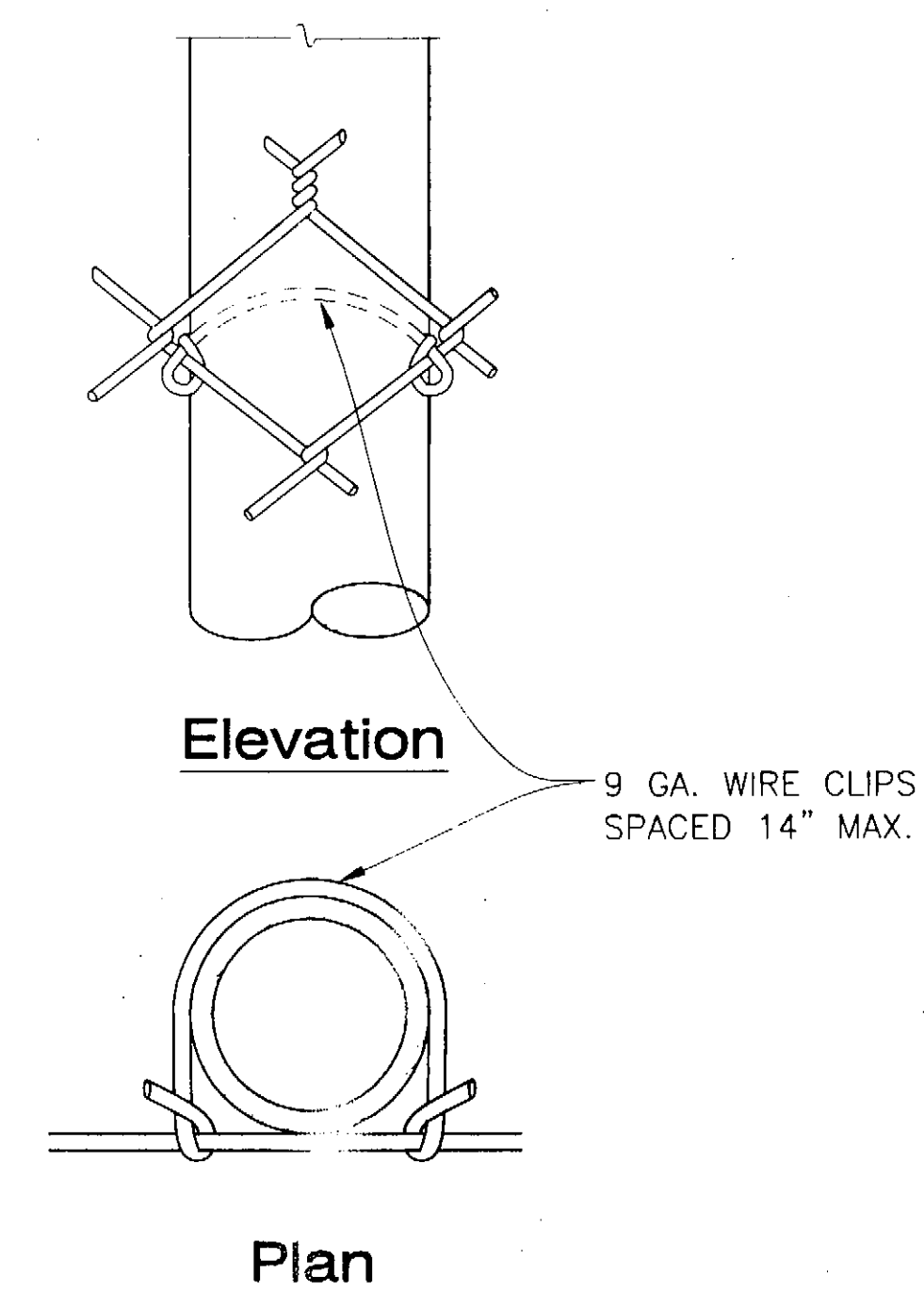
PROJECT DESIGNATION NUMBER	
AIP #3-02-0268-1603	
STATE	YEAR
ALASKA	2003
SHEET NUMBER	TOTAL SHEETS
C1	12



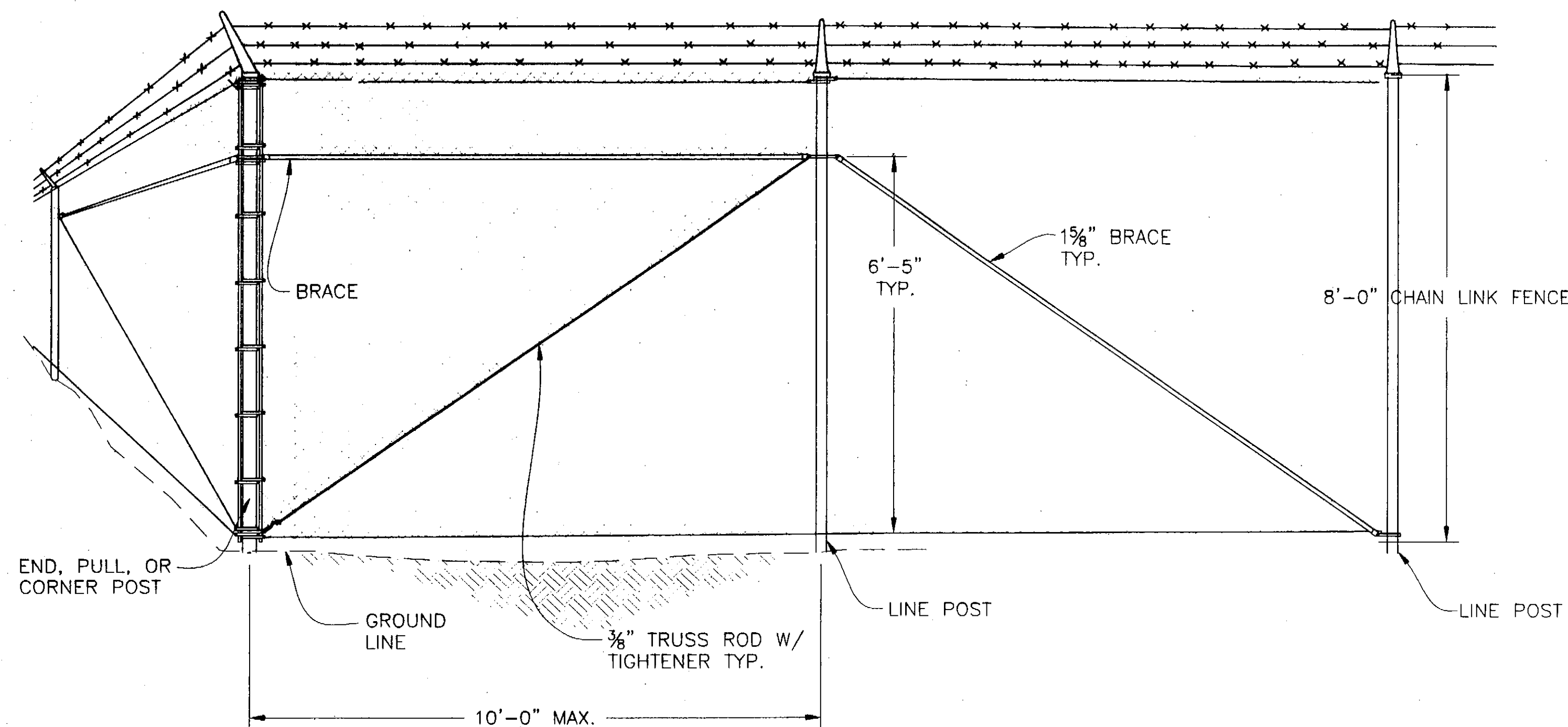
Typical Fence Elevation Detail



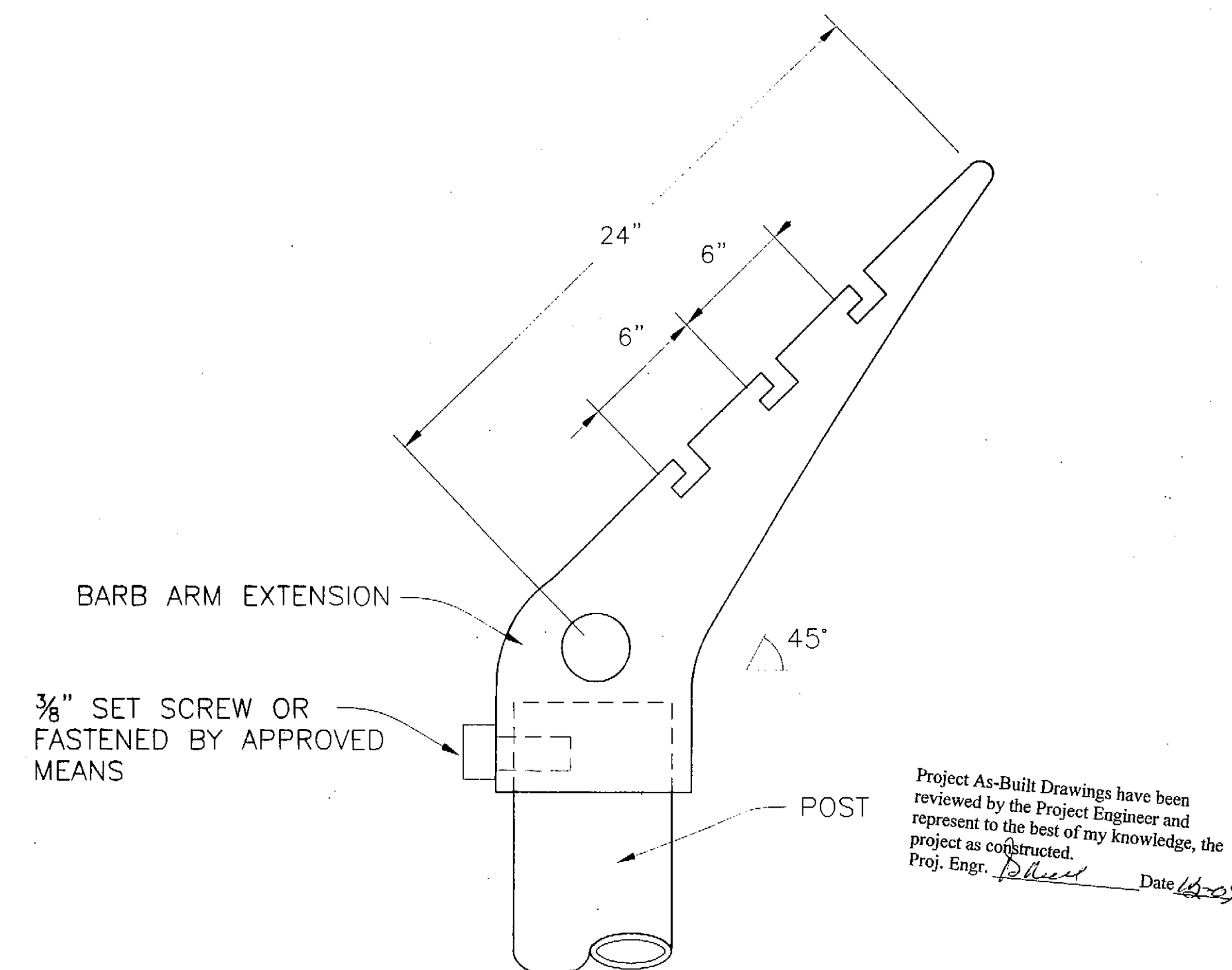
Typical Connection Fabric To Tension Wire



Typical Connection Fabric To Line Posts



Typical End, Pull, or Corner Post Detail



**BARBED WIRE ARM
3 WIRE - ONE PIECE**
ARM TO BE USED ON ALL LINE AND FULL POSTS

PATH: Q:\SIT\68279\PlanSet\01-4_Fence.dwg
DATE: Mon, 12/Apr/04 08:51AM
TAB: D2 rksnyder

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Fence Details

DESIGNED BY: G. ALLMAN



CHECKED BY: V. Winters

DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

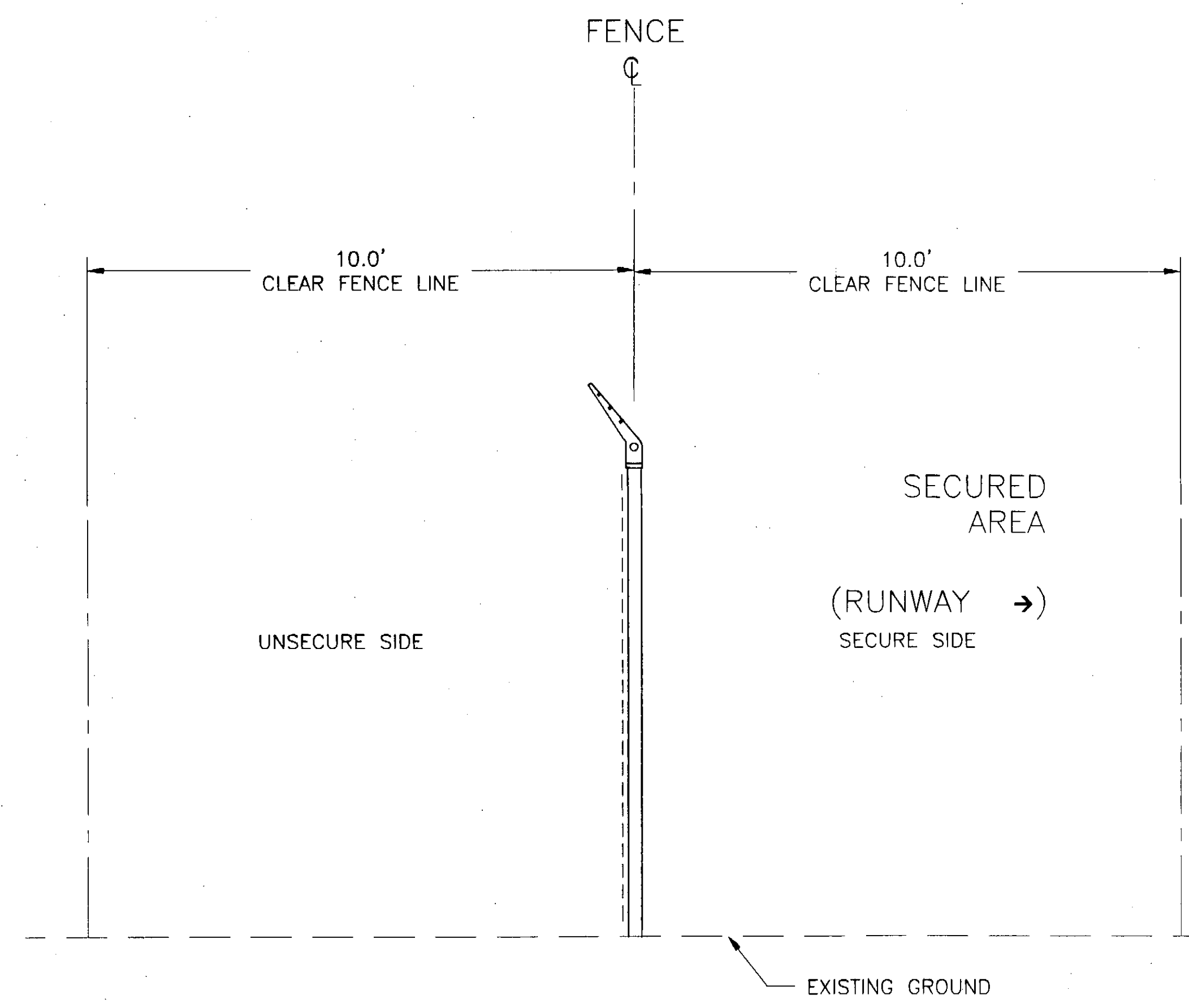
SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Fence Details

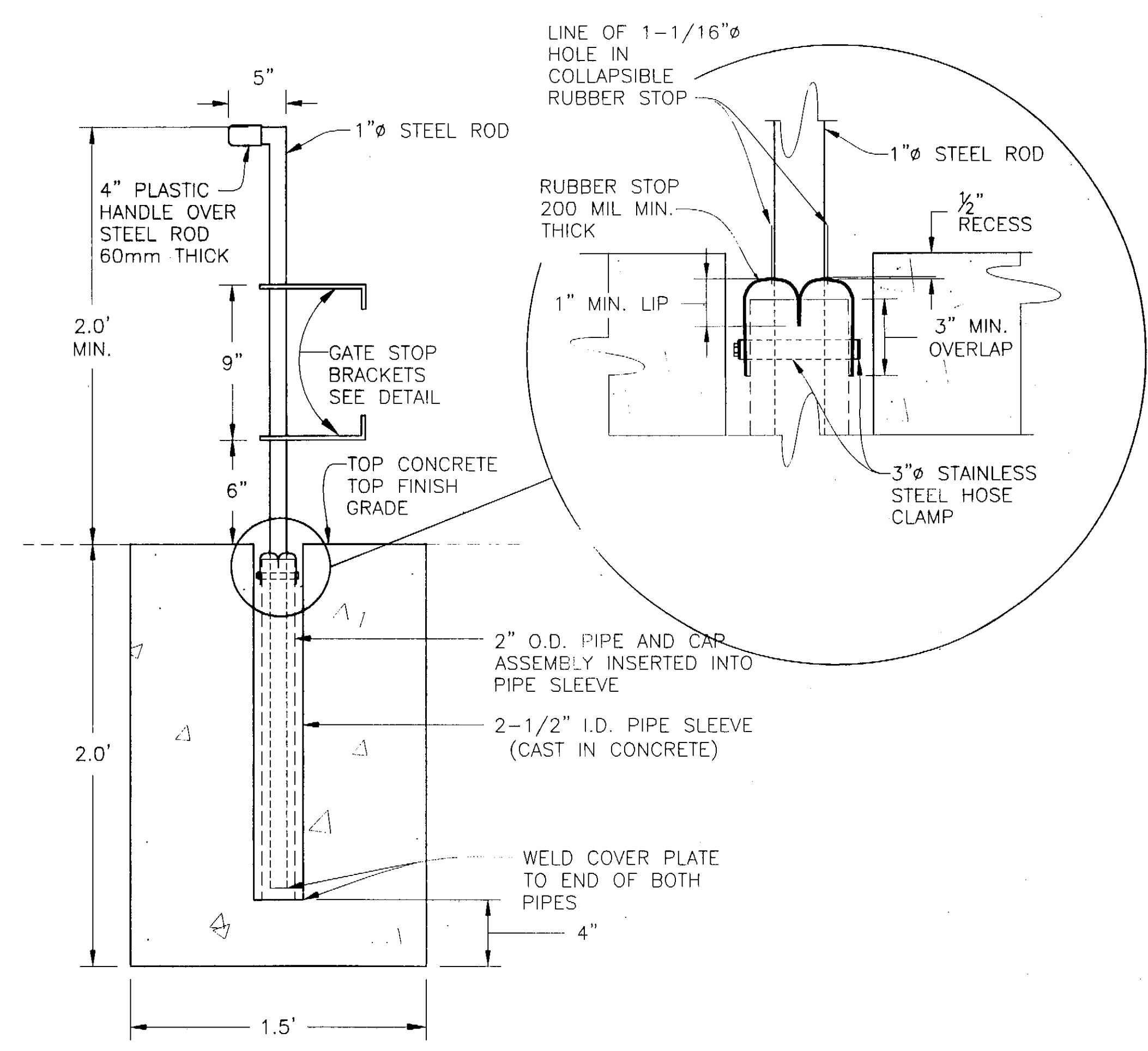
PROJECT DESIGNATION NUMBER

AIP #3-02-0268-1603

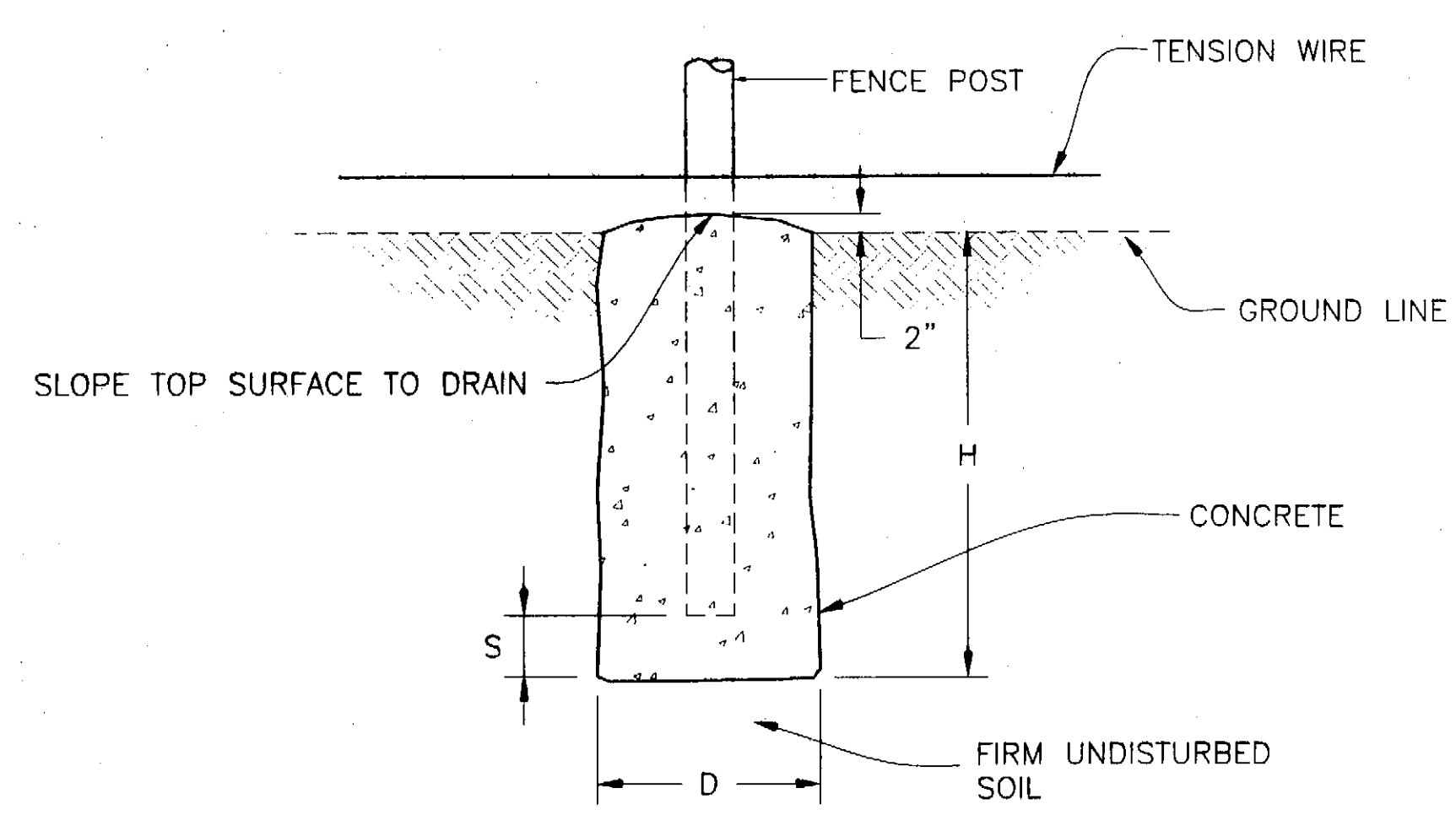
STATE	YEAR
ALASKA	2003
SHEET NUMBER	TOTAL SHEETS
D2	12



Typical Fence Section



Gate Stop Detail



Typical Post Footing Detail

FENCE POST	POST SIZE		FOOTING SIZE		
	NOMINAL (INCHES)	O.D. (INCHES)	D (INCHES)	H (INCHES)	S (INCHES)
LINE POST	2 3/8"	2.375	12	38	2
END, PULL, OR CORNER	2 7/8"	2.875	20	38	3

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Engr. *[Signature]* Date *12/2/03*

PATH:
Q:\SIT\68279\Plonset\01-4_Fence.dwg
DATE:
Mon, 12/Apr/04 08:51AM
TAB: D3
rksnyder

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Fence Details

DESIGNED BY: G. ALLMAN



CHECKED BY: V. Winters
DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Fence Details

PROJECT DESIGNATION NUMBER	
AIP #3-02-0268-1603	
STATE	YEAR
ALASKA	2003
SHEET NUMBER	TOTAL SHEETS
D3	12

PATH: G:\Sit\68279\PlanSet\D1-4_Fence.dwg		
DATE: Mon, 12/Apr/04 08:51AM		
TAB: D4 rksnyder		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Lagoon Fence Details

DESIGNED BY: G. ALLMAN



CHECKED BY: V. Winters

DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

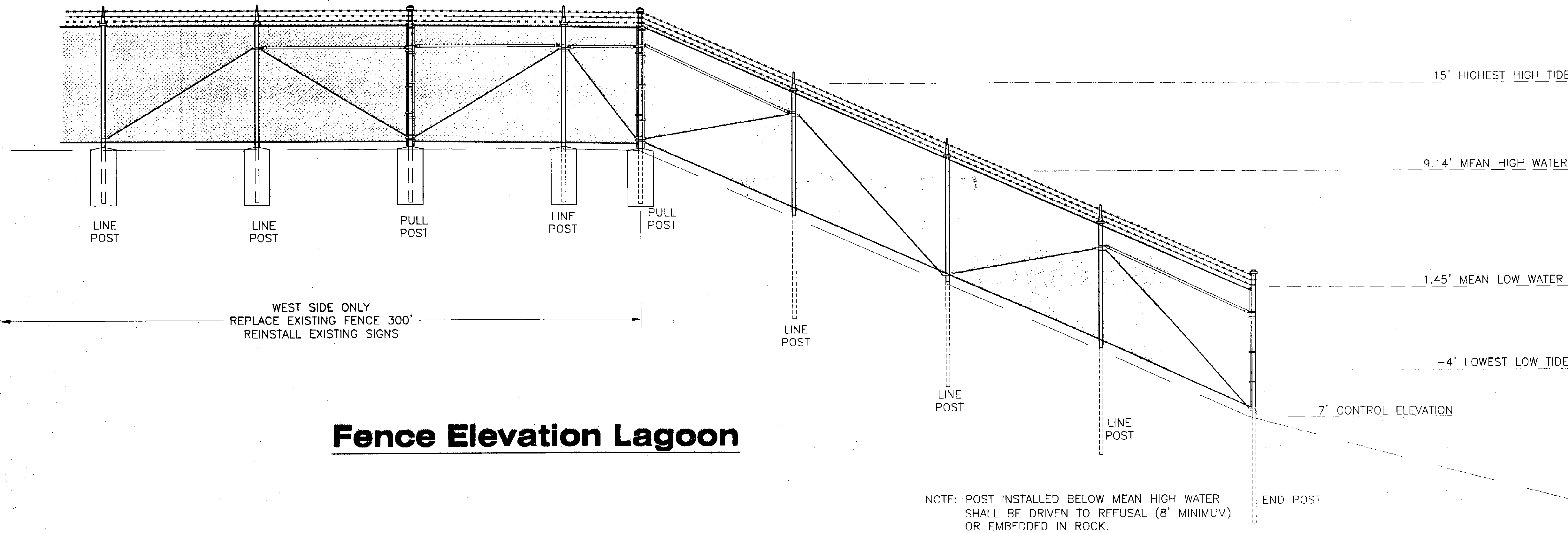
SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Lagoon Fence
Details

PROJECT DESIGNATION NUMBER

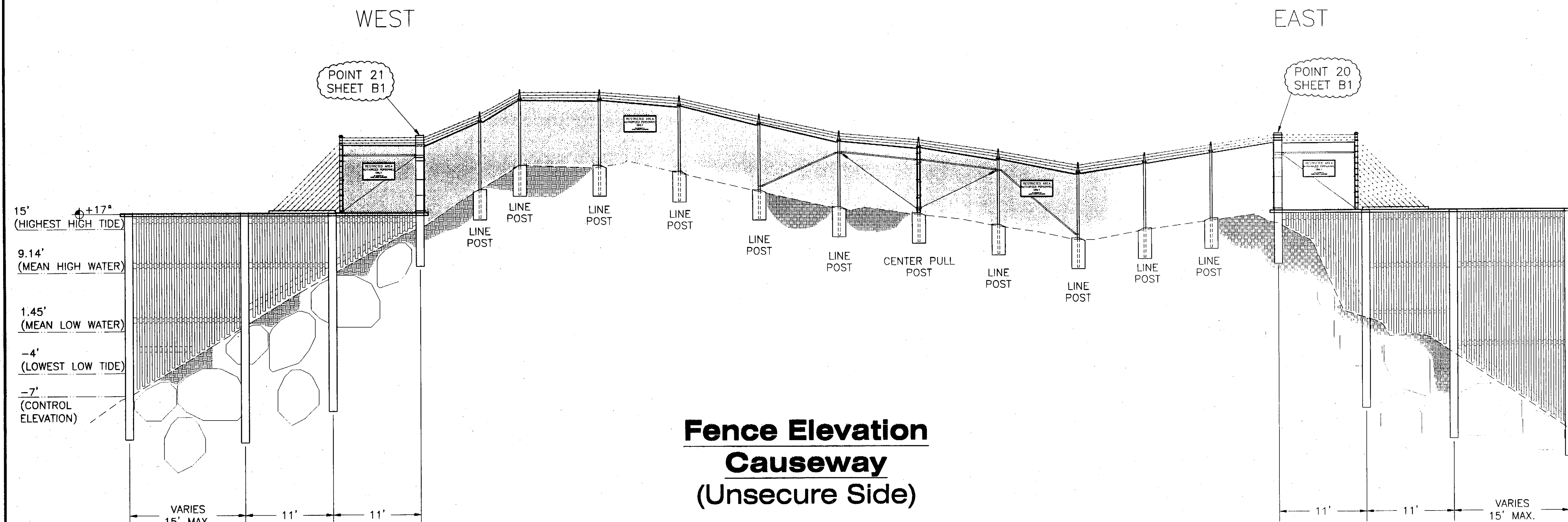
AIP #3-02-0268-1603

STATE	YEAR
ALASKA	2003
SHEET NUMBER	TOTAL SHEETS
D4	12

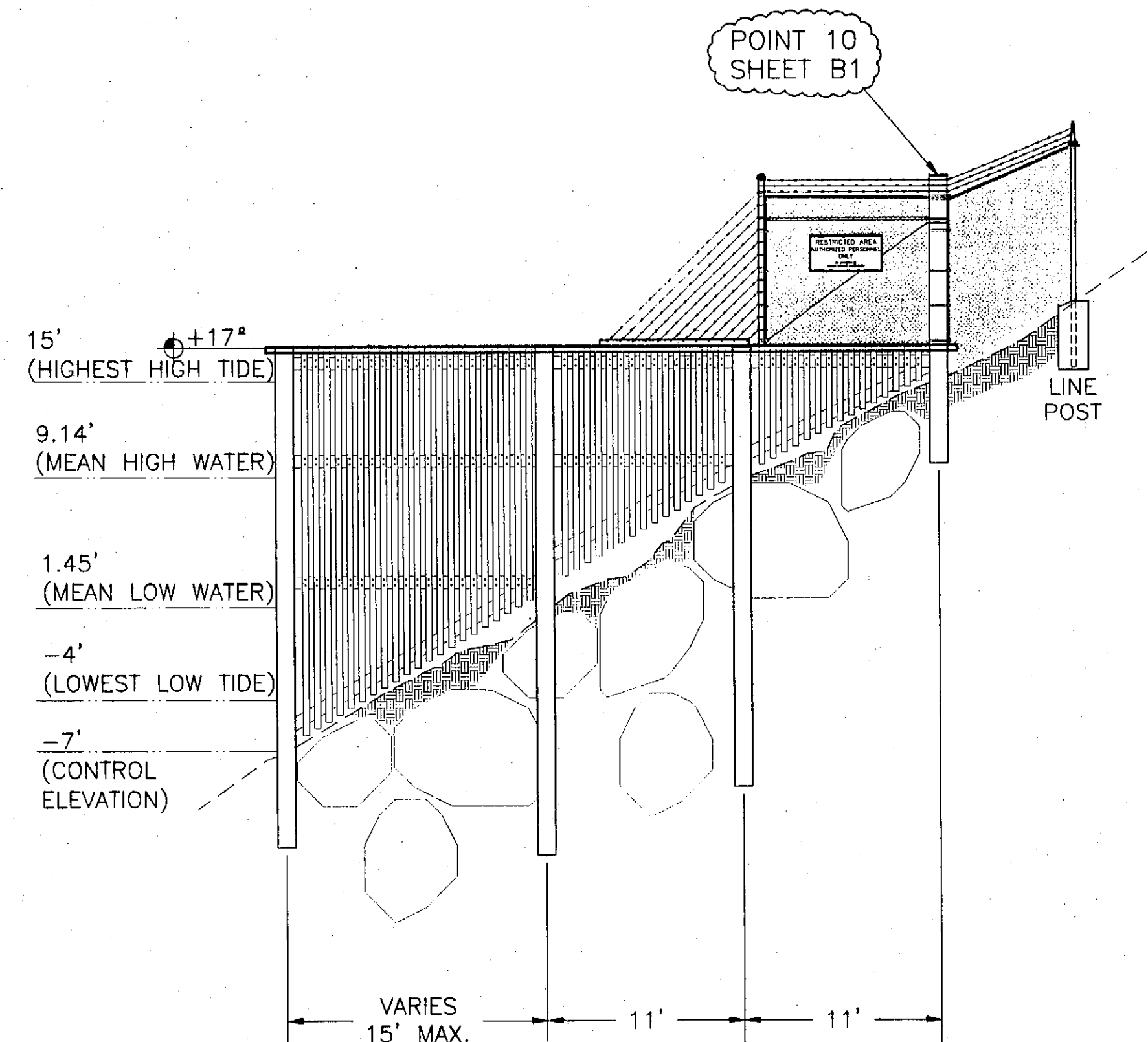


Fence Elevation Lagoon

Project As-Built Drawings have been
reviewed by the Project Engineer and
represent to the best of my knowledge, the
project as constructed.
Proj. Engr. *[Signature]* Date *4/05*



**Fence Elevation
Causeway
(Unsecure Side)**



**Fence Elevation
Charcoal Island
(Unsecure Side)**

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Engr. *[Signature]* Date *1/10/05*

NOTE: DO NOT SCALE FROM DRAWING. USE DIMENSIONS

PATH: Q:\St\68279\PlanSet\05-7_Barrier.dwg
DATE: Mon, 12/Apr/04 09:03AM
TAB: D5 rksnyder

ADDENDUM NUMBER

ATTACHMENT NUMBER

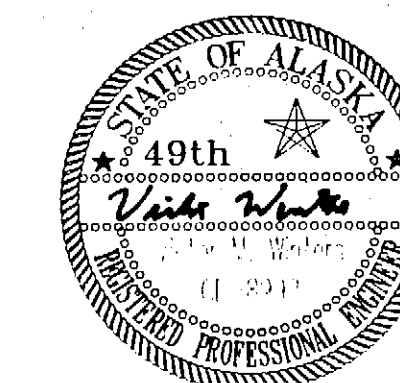
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Causeway Fence Elevation

DESIGNED BY: G. ALLMAN



CHECKED BY: V. Winters

DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

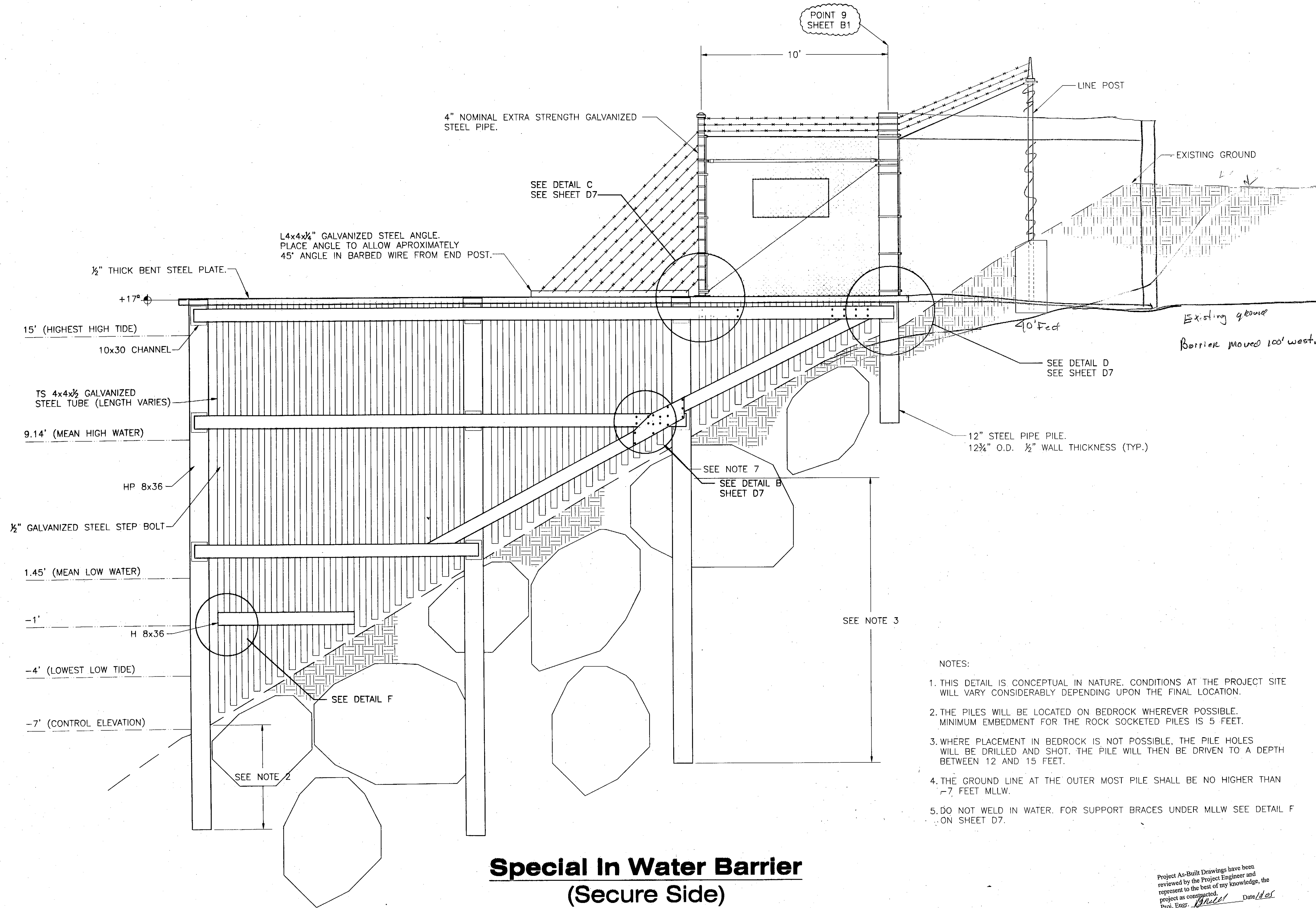
SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

**Causeway Fence
Elevation**

PROJECT DESIGNATION NUMBER

AIP #3-02-0268-1603

STATE	YEAR
ALASKA	2003
SHEET NUMBER	TOTAL SHEETS
D5	12



Special In Water Barrier (Secure Side)

NOTES:

1. THIS DETAIL IS CONCEPTUAL IN NATURE. CONDITIONS AT THE PROJECT SITE WILL VARY CONSIDERABLY DEPENDING UPON THE FINAL LOCATION.
2. THE PILES WILL BE LOCATED ON BEDROCK WHEREVER POSSIBLE. MINIMUM EMBEDMENT FOR THE ROCK SOCKETED PILES IS 5 FEET.
3. WHERE PLACEMENT IN BEDROCK IS NOT POSSIBLE, THE PILE HOLES WILL BE DRILLED AND SHOT. THE PILE WILL THEN BE DRIVEN TO A DEPTH BETWEEN 12 AND 15 FEET.
4. THE GROUND LINE AT THE OUTER MOST PILE SHALL BE NO HIGHER THAN -7 FEET MLLW.
5. DO NOT WELD IN WATER. FOR SUPPORT BRACES UNDER MLLW SEE DETAIL F ON SHEET D7.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Engr. *[Signature]* Date *1/10/05*

PATH: Q:\Sit\68279\Plonset\D5-7_Barrier.dwg
DATE: Mon, 12/Apr/04 09:03AM
TAB: D6 rksnyder

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

**Special In Water
Barrier Detail**

DESIGNED BY: G. ALLMAN



CHECKED BY: V. Winters

DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

**Special In Water
Barrier Detail**

PROJECT DESIGNATION NUMBER

AIP #3-02-0268-1603

STATE	YEAR
ALASKA	2003
SHEET NUMBER	TOTAL SHEETS
D6	12

ADDENDUM NUMBER

ATTACHMENT NUMBER

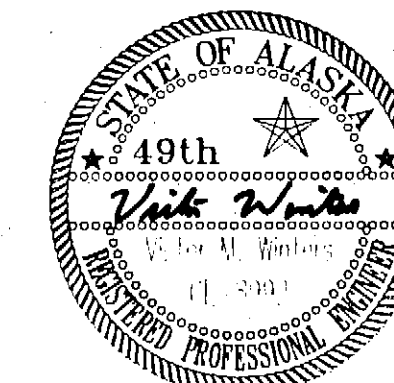
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SITKA ROCKY GUTIERREZ
AIRPORT-PERIMETER FENCE
PROJECT NO. 68279

Special In Water Barrier Details

DESIGNED BY: G. ALLMAN



CHECKED BY: V. Winters

DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

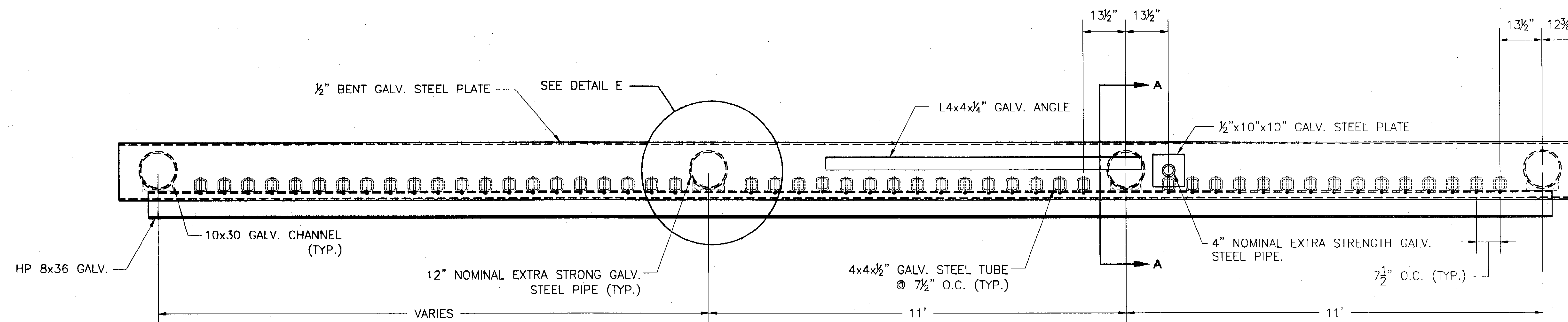
SITKA ROCKY GUTIERREZ
AIRPORT-PERIMETER FENCE
PROJECT NO. 68279

Special In Water Barrier Details

PROJECT DESIGNATION NUMBER

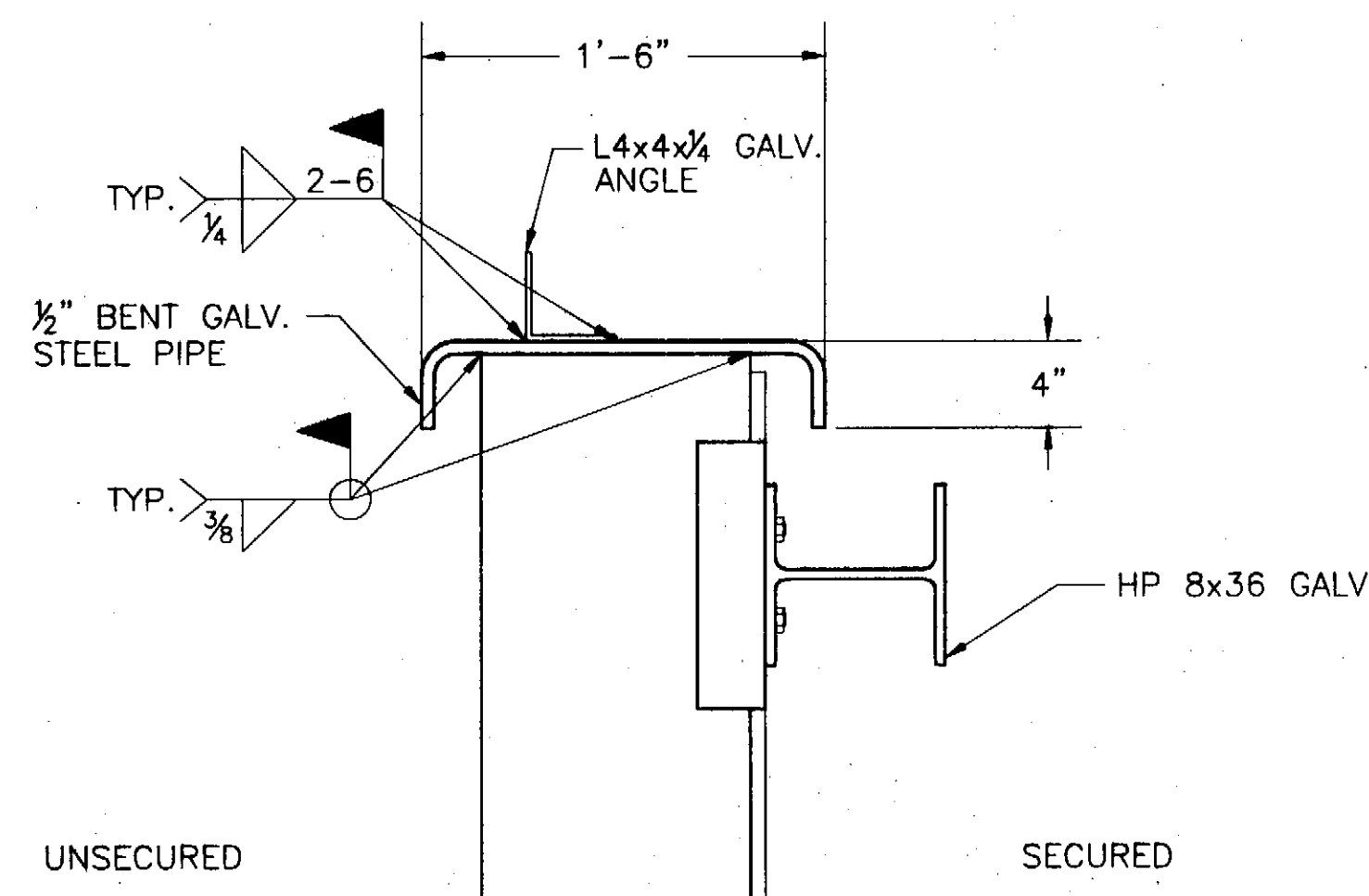
AIP #3-02-0268-1603

STATE	YEAR
ALASKA	2003
SHEET NUMBER	TOTAL SHEETS
D7	12

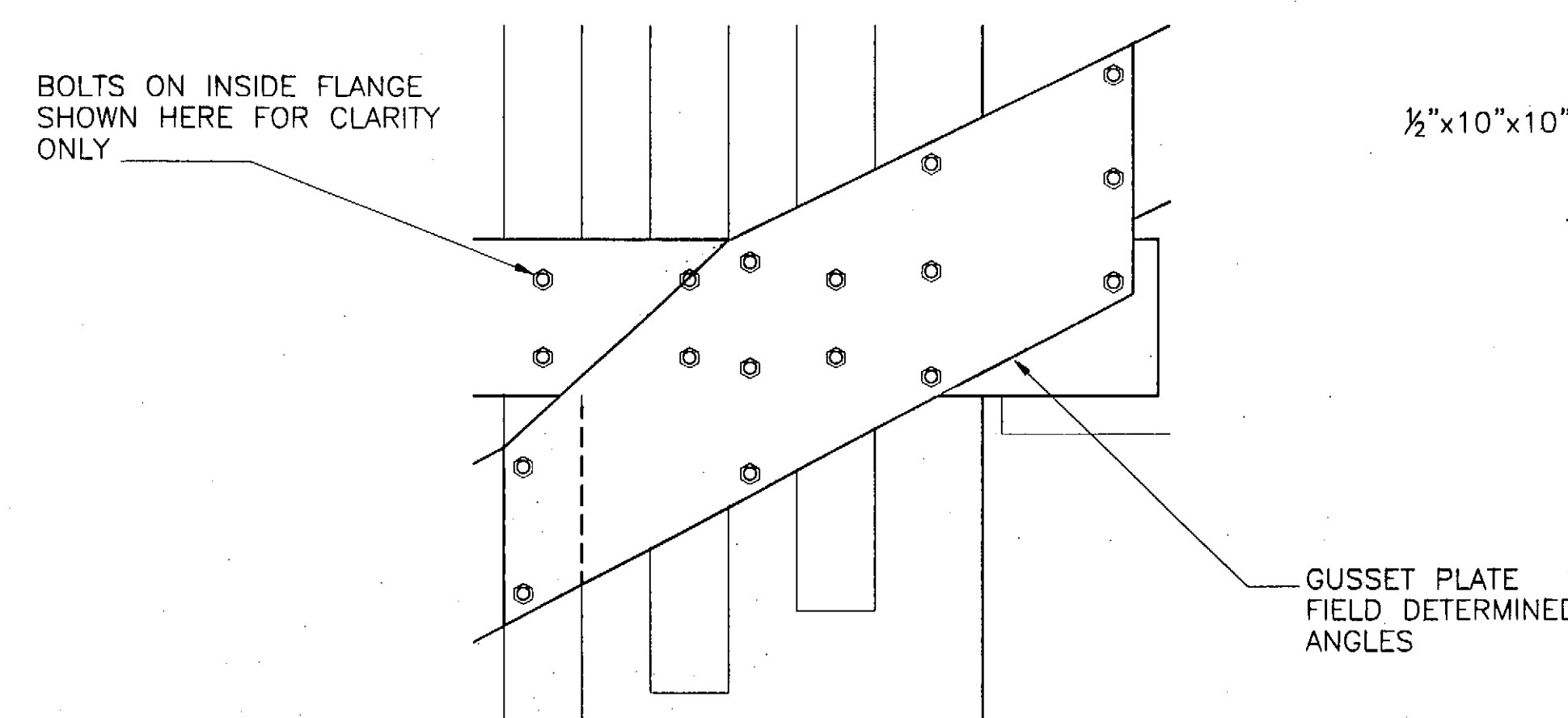


In Water Barrier Plan View

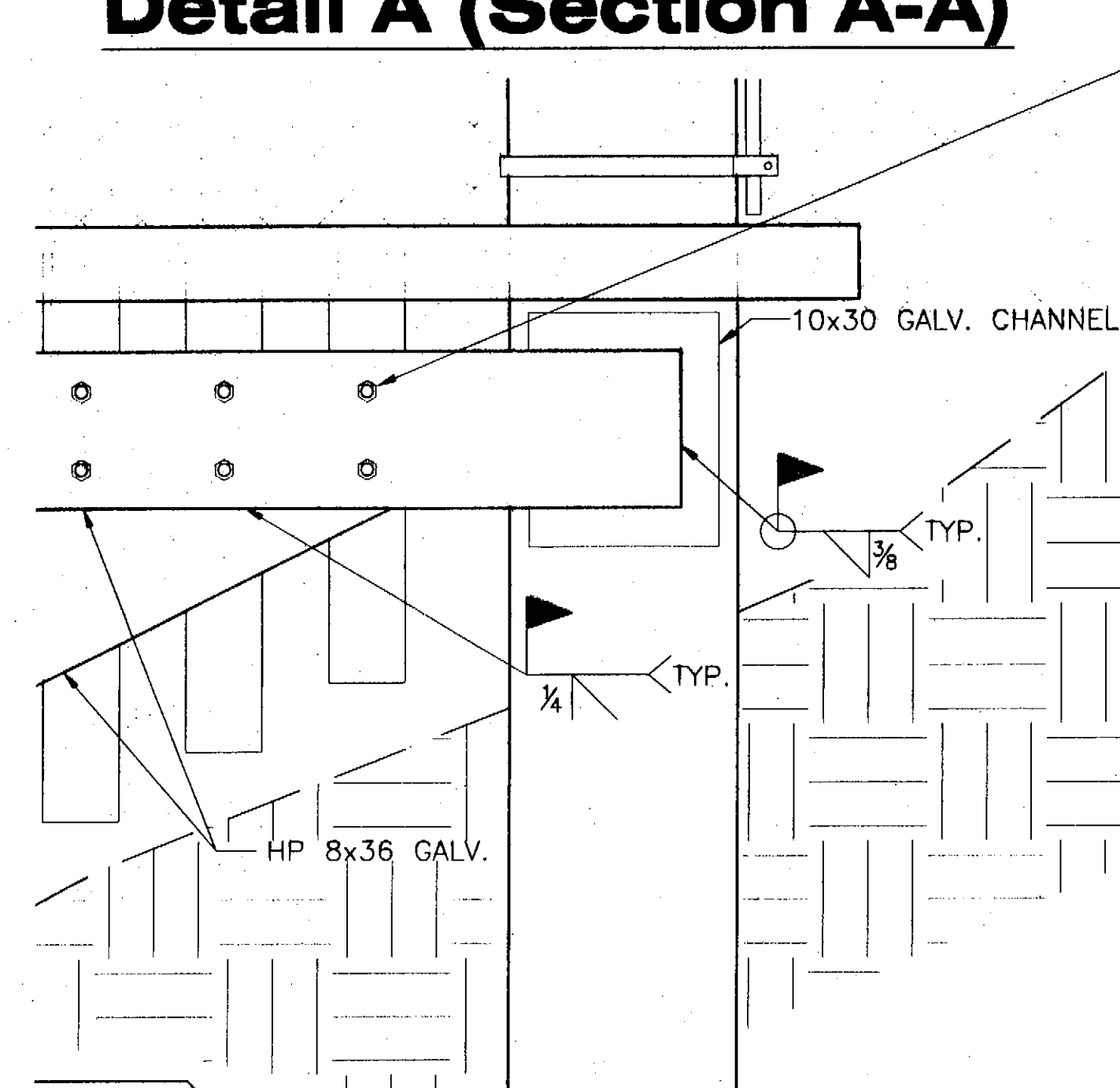
Extended Barrier to
75 Feet.
First 55 Feet on Lund
Above High Tide Line.
See 80-1 And Approved
Shop Drawing.



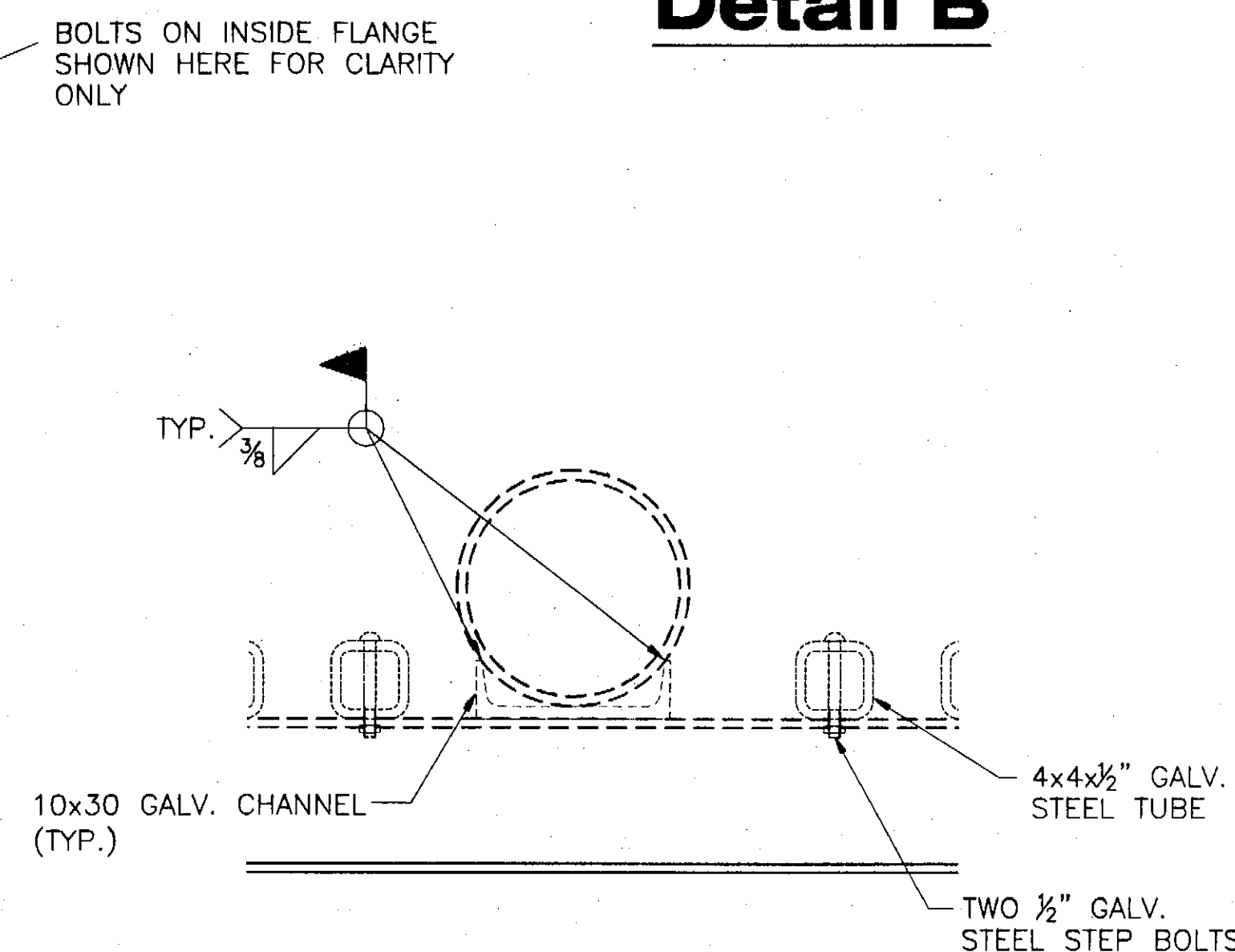
Detail A (Section A-A)



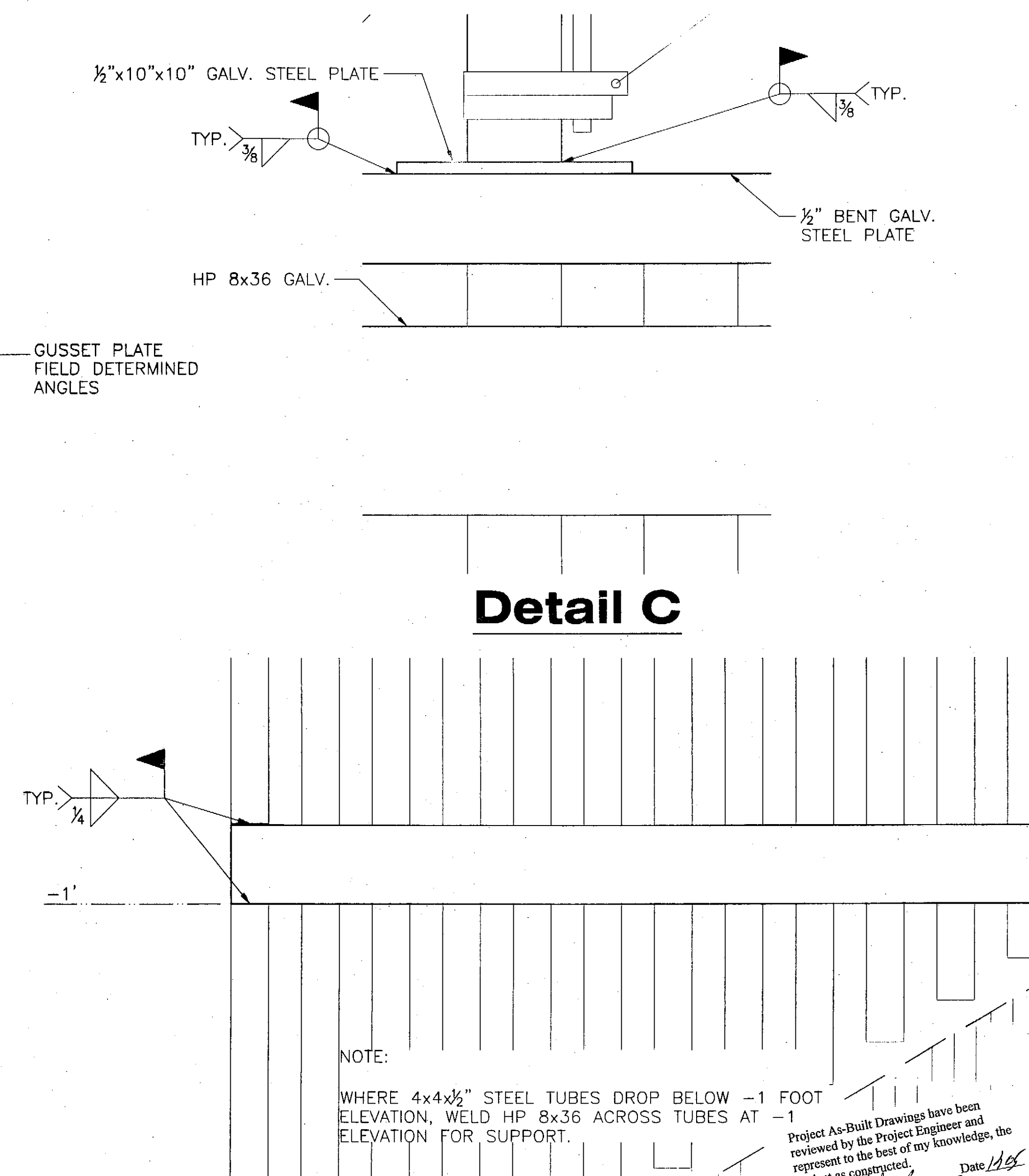
Detail B



Detail D



Detail E

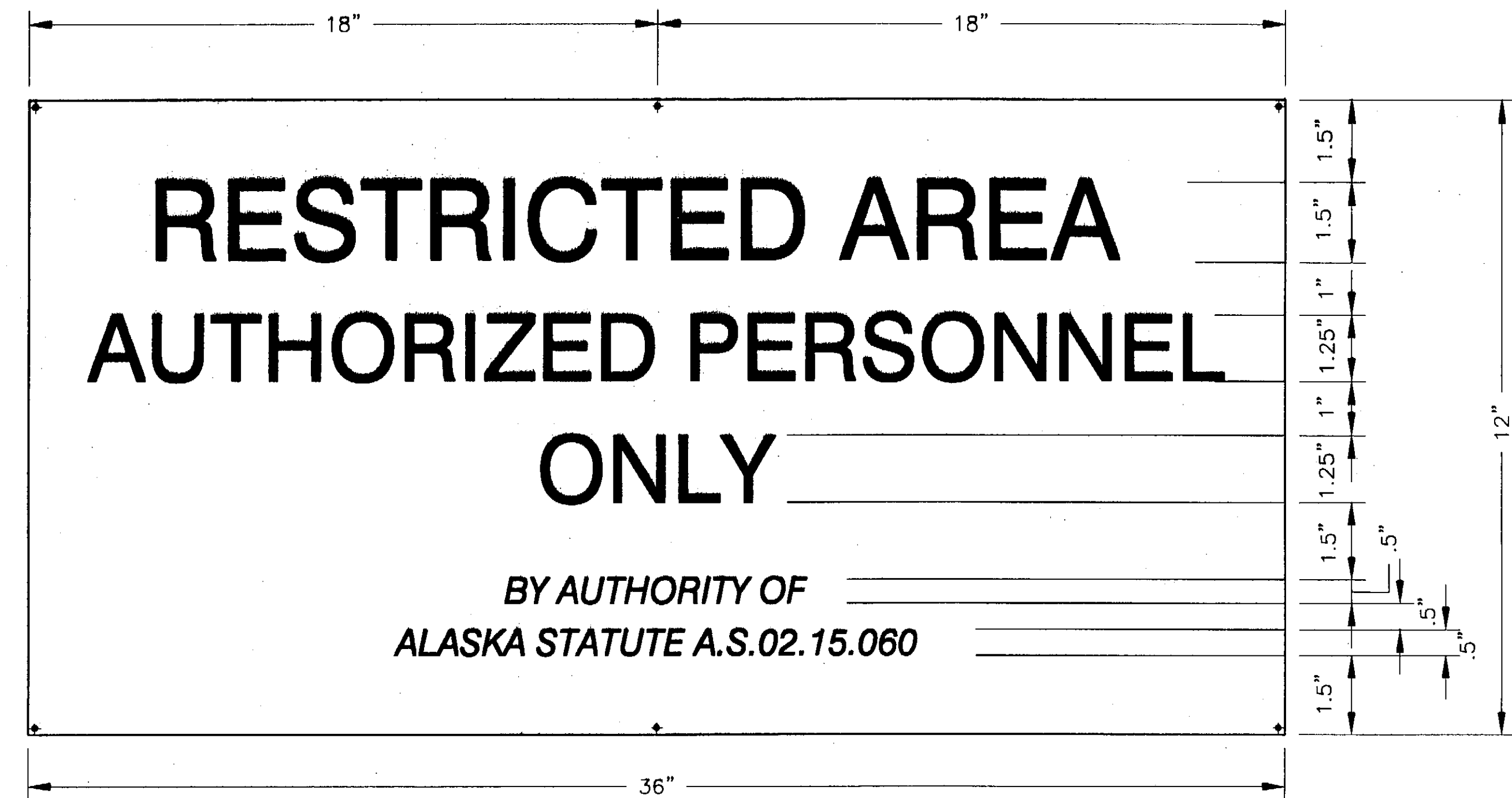


Detail F

NOTE:

WHERE 4x4x1/2" STEEL TUBES DROP BELOW -1 FOOT ELEVATION, WELD HP 8x36 ACROSS TUBES AT -1 ELEVATION FOR SUPPORT.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.
Proj. Engr. *[Signature]* Date *1/14/04*

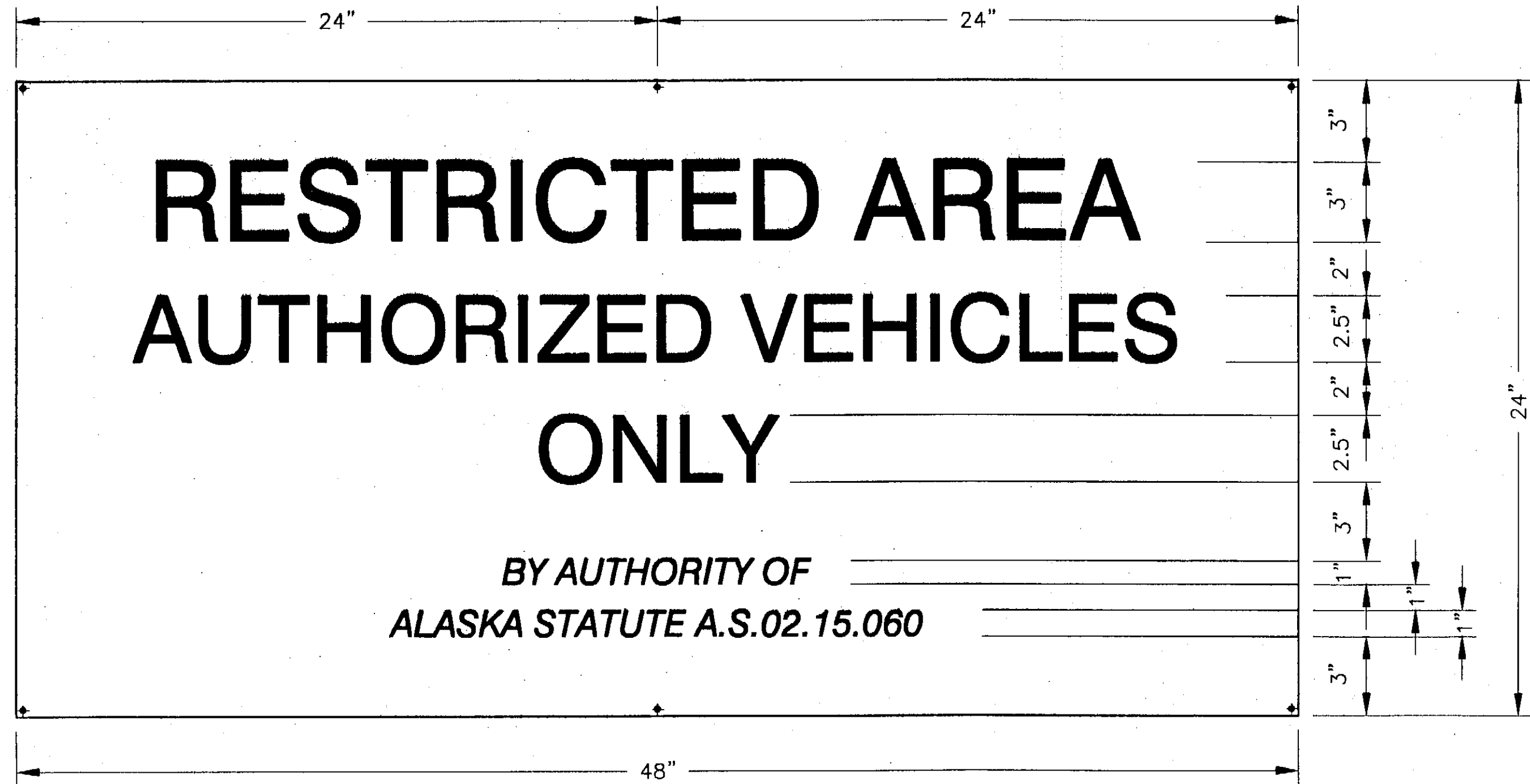


Boundary Sign Plate Detail
Sign No.1

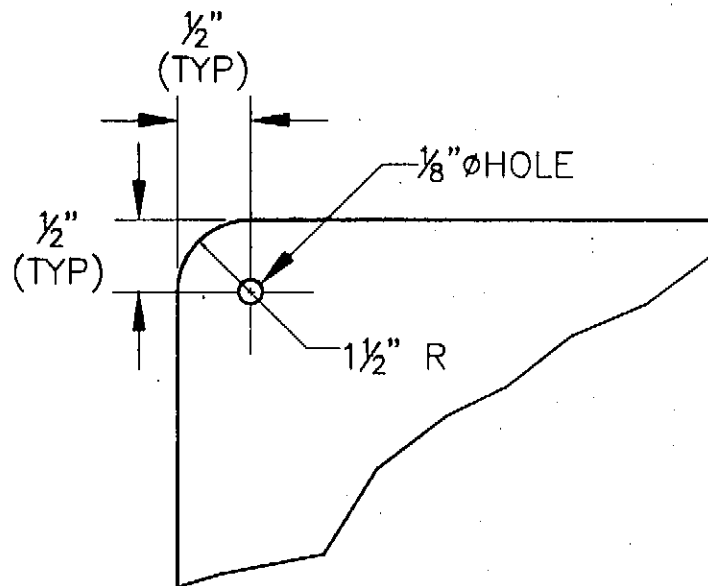
NOTES:

1. SIGN PLATES SHALL HAVE RED REFLECTIVE SHEETING WITH WHITE LETTERING.
2. SIGN PLATES SHALL BE PLACED ON THE FENCE OR GATES 4 FEET ABOVE THE GROUND.
3. ALL SIGNS SHALL BE ATTACHED TO THE FENCE WITH 9 GAUGE GALVANIZED WIRE AT ALL FOUR CORNERS.
4. SHEET ALUMINUM USED FOR SIGNS SHALL BE A MINIMUM OF 0.08 INCHES THICK.

SIGN SUMMARY					
SIGN NO.	SIGN	SQ. FT	NUMBER	TOTAL AREA	LOCATION
1	BOUNDARY	3	12	36	300' MAX. SPACING, ENDS & CENTERED BETWEEN ANGLE POINTS
2	VEHICLES	8	2	16	DOUBLE SWING GATE
			TOTAL	52	



Gate Sign - Vehicles
Sign No.2



Typical Sign Corner
Connection Point

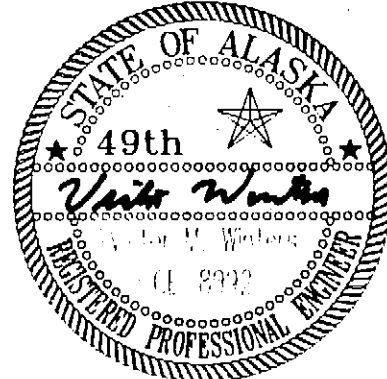
NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Sign Details

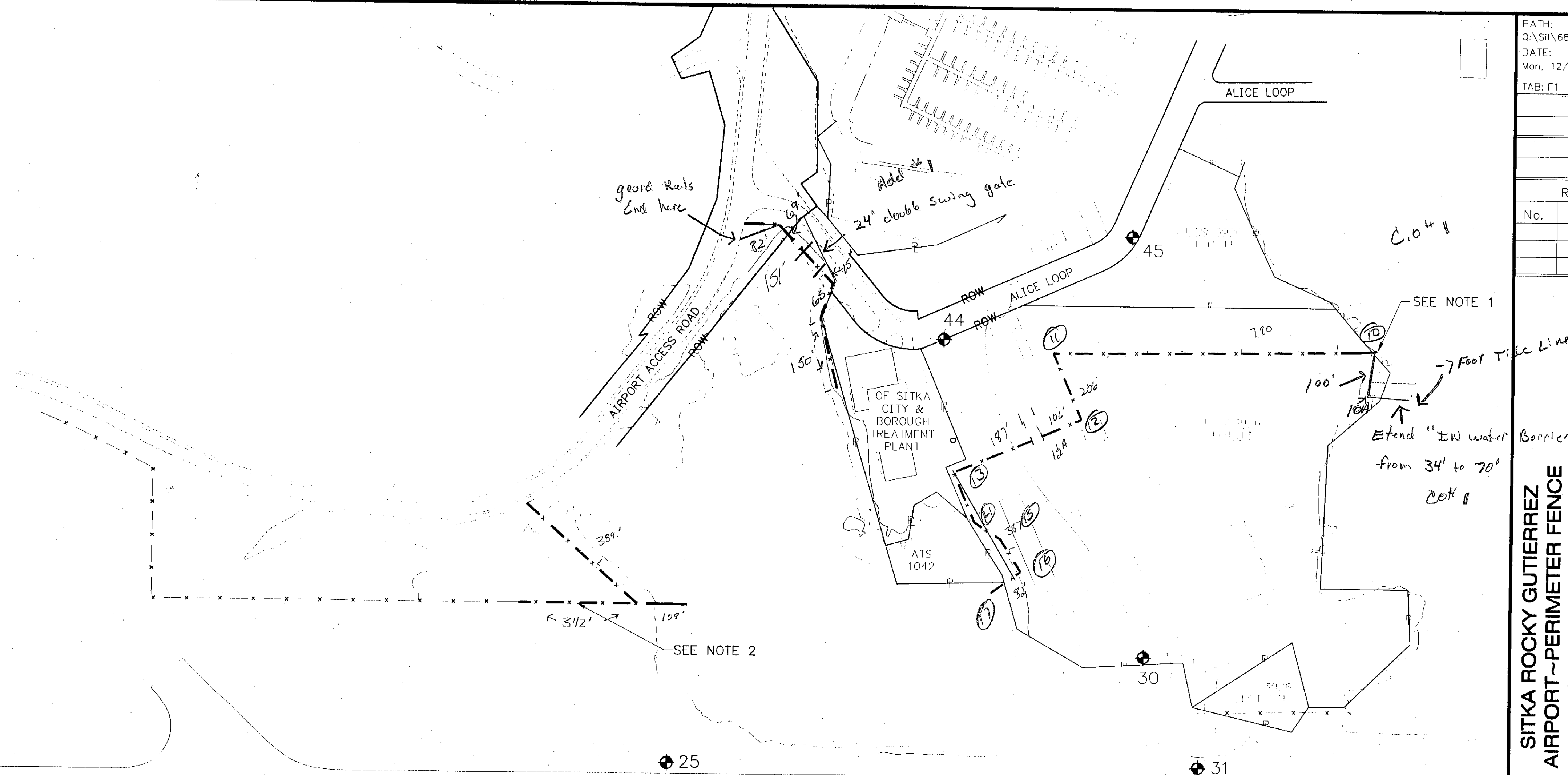
DESIGNED BY: G. ALLMAN



CHECKED BY: V. Winters
DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION
SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Sign Details	
PROJECT DESIGNATION NUMBER	
AIP #3-02-0268-1603	
STATE	YEAR
ALASKA	2003
SHEET NUMBER	TOTAL SHEETS
E1	12



PATH:
Q:\Sit\68279\Planset\B1 Survey Control.dwg.dwg
DATE:
Mon, 12/Apr/04 09:08AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

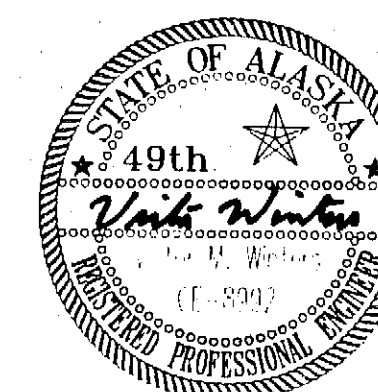
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

**SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279**

Erosion & Sediment Control

DESIGNED BY: G. Allman



CHECKED BY: V. Winters

DRAWN BY: M.L./B.B.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
STATEWIDE DESIGN & ENGINEERING
SERVICES DIVISION

SITKA ROCKY GUTIERREZ
AIRPORT~PERIMETER FENCE
PROJECT NO. 68279

Erosion & Sediment Control

PROJECT DESIGNATION NUMBER

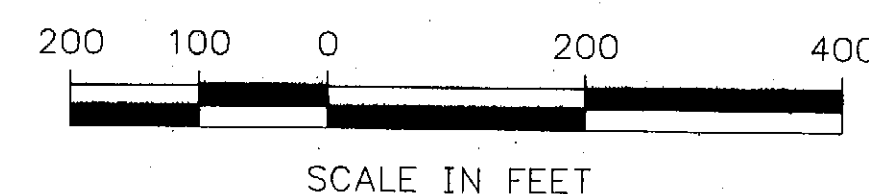
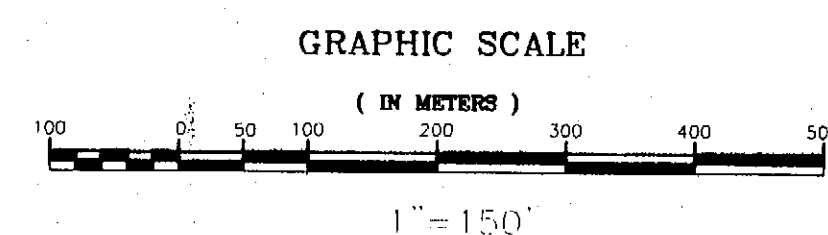
AIP #3-02-0268-1603

STATE	YEAR
-------	------

ALASKA 2002

SHEET NUMBER	TOTAL SHEETS
--------------	--------------

F1	12
----	----



NOTE:

1. WORK BELOW EXTREME HIGH TIDE (ELEVATION 12.7 FT.) IN SITKA SOUND MUST OCCUR BETWEEN THE DATES OF JULY 1 AND MARCH 1.
2. CONTRACTOR SHALL SEED ALL DISTURBED SOIL AREAS.

Project As-Built Drawings have been reviewed by the Project Engineer and represent to the best of my knowledge, the project as constructed.

Proj. Engr. D. NEWELL Date 1-15-76