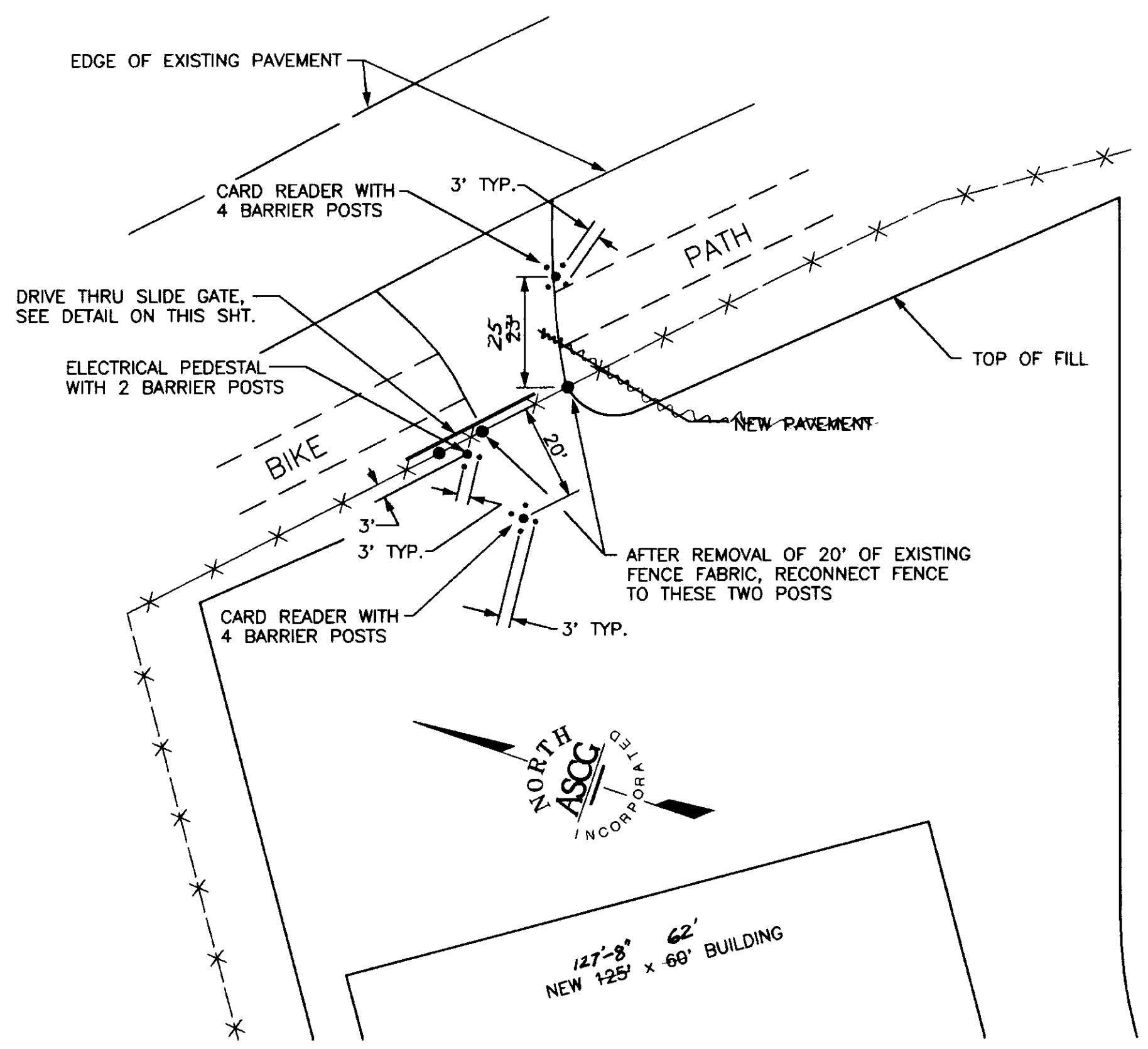


ESTIMATE OF QUANTITIES

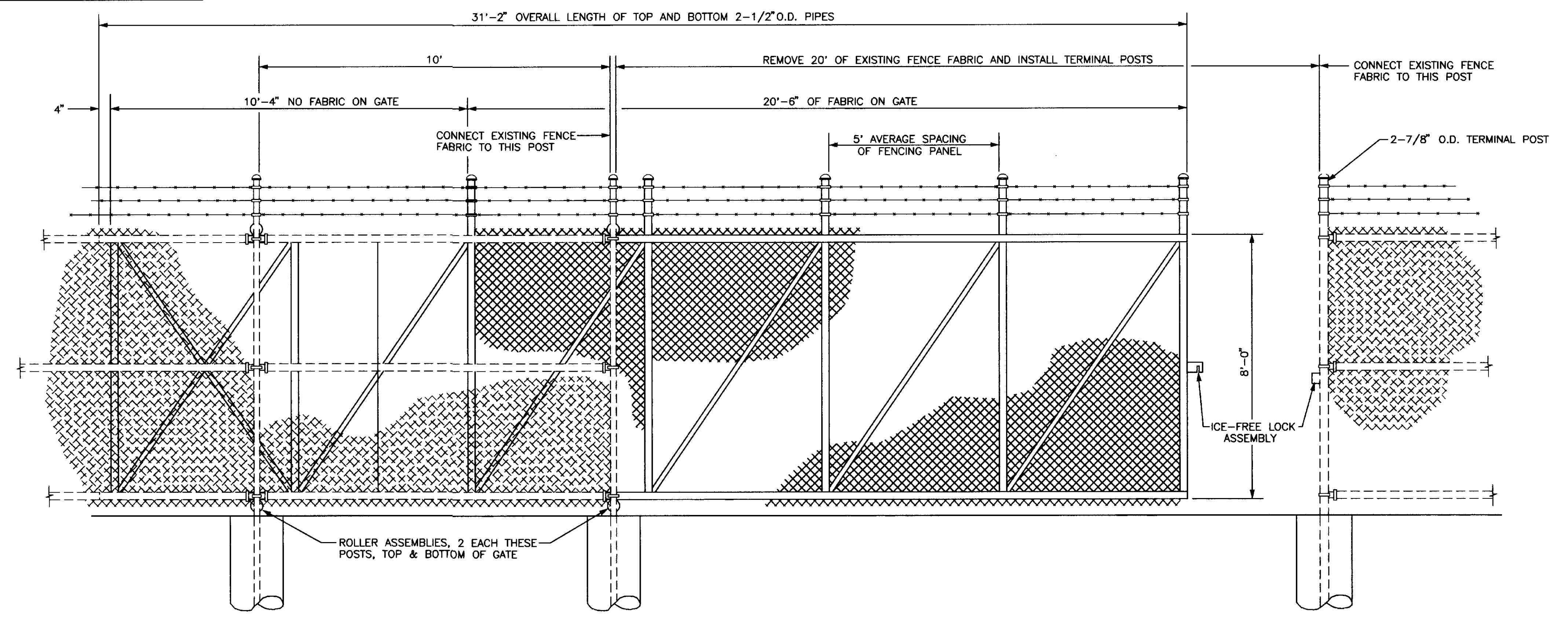
ITEM NUMBER	ITEM	PAY UNIT	BASIC BID QUANTITY	ALTERNATE 1 QUANTITY	TOTAL QUANTITY
100	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
111a	SILT FENCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
111b	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
120	DBE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
121	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
130	ENGINEER'S FIELD OFFICE & LABORATORY	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
200a	CLEARING	ACRE	1.112 ±	1.573 ±	2.685 ±
330a	UNCLASSIFIED EXCAVATION	CUBIC YARD	6,471 6,210	156 350	6,627 6,560
330d	BORROW EMBANKMENT	CUBIC YARD	18,326.516,550	37,071.532,000	55,418 48,550
400a	24-INCH CORRUGATED METAL PIPE-ALUMINUM PIPE	LINEAR FOOT	32	68	100
400b	42-INCH CORRUGATED METAL PIPE-ALUMINUM PIPE	LINEAR FOOT	-	150	150
402	6-INCH FLEXIBLE PERFORATED UNDERDRAIN	LINEAR FOOT	-	250 245	250 245
440d	INSTALL STATE-FURNISHED DRIVE-THRU SLIDE GATE	EACH	1	-	1
470a	8-INCH DUCTILE IRON WATER CONDUIT	LINEAR FOOT	90 93	-	90 93
470b	FIRE HYDRANT INSTALLATION	EACH	1	-	1
470c	2-INCH WATER SERVICE CONNECTION	EACH	1	-	1
470d	INSTALL 8-INCH GATE VALVE	EACH	1	-	1
480	SIGNS	SQUARE FOOT	0 400	-	0 400
510b	CRUSHED AGGREGATE BASE COURSE	CUBIC YARD	643.4 600	701.1 740	1,340
550b	GEOTEXTILE, REINFORCEMENT	SQUARE YARD	4,489 3,200	8,846 8,620	13,335 11,820
800	BUILDING FOUNDATION AND SLAB	LUMP SUM	ALL REQUIRED	-	ALL REQUIRED
1000r	NEW BIDIRECTIONAL RUNWAY EDGE LIGHT, L850C	EACH	-	1	1
8000	INTERIOR DOORS AND WINDOWS	LUMP SUM	ALL REQUIRED	-	ALL REQUIRED
9000	INTERIOR CONSTRUCTION AND FINISHES	LUMP SUM	ALL REQUIRED	-	ALL REQUIRED
10000	SPECIALTIES	LUMP SUM	ALL REQUIRED	-	ALL REQUIRED
13000	METAL BUILDING SYSTEMS	LUMP SUM	ALL REQUIRED	-	ALL REQUIRED
14000	WHEELCHAIR LIFT	LUMP SUM	ALL REQUIRED	-	ALL REQUIRED
15000	MECHANICAL WORK	LUMP SUM	ALL REQUIRED	-	ALL REQUIRED
16000	ELECTRICAL WORK	LUMP SUM	ALL REQUIRED	-	ALL REQUIRED

CHANGE ORDER ITEMS

ITEM NO.	ITEM	PAY UNIT	TOTAL REQUIRED
330e	"A" LINE REALIGNMENT	LUMP SUM	ALL REQUIRED
330f	"A" LINE REPAIR		
800a	BOLLARDS		
800b	THICKENED SLAB		
13000a	ENDWALL MODIFICATION		
13000b	OVERHEAD DOOR CREDIT		
13000c	TRAINING ROOM MODIFICATION		
13000d	SOUTH WALL MODIFICATION		
15000a	6" PVC SEWERLINE		
15000b	COLD WATER PIPING INSULATION		
15000c	ARFF BAY HOSE BIB		
16000a	FUTURE TRSK FEEDER CONDUIT		
16000b	GENERATOR SHED FEEDER CONDUIT		
16000c	SECURITY GATE BUZZER		
16000d	30A TRUCK HEATER OUTLETS		
16000e	ARFF BAY PHONE OUTLET		
16000f	OFFICE FAX OUTLET		
16000g	MANUAL GATE OPENER		
16000h	GATE PEDESTAL CREDIT		
16000i	AIR COMPRESSOR CIRCUIT / STARTER		
16000j	CONDUIT TRENCHING		



SLIDE GATE LOCATION



DRIVE THRU SLIDE GATE DETAIL
INSIDE VIEW - RIGHT HAND GATE

RECORD OF REVISIONS	
BY:	DATE:
DLM	3/31/94
REVISED ESTIMATE OF QUANTITIES, ITEMS 111a & 111b - DELETED ITEM 111c	
DESCRIPTION OF CHANGE:	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG
AIRPORT EQUIPMENT BUILDING
ESTIMATE OF QUANTITIES AND
DRIVE THRU SLIDE GATE DETAILS

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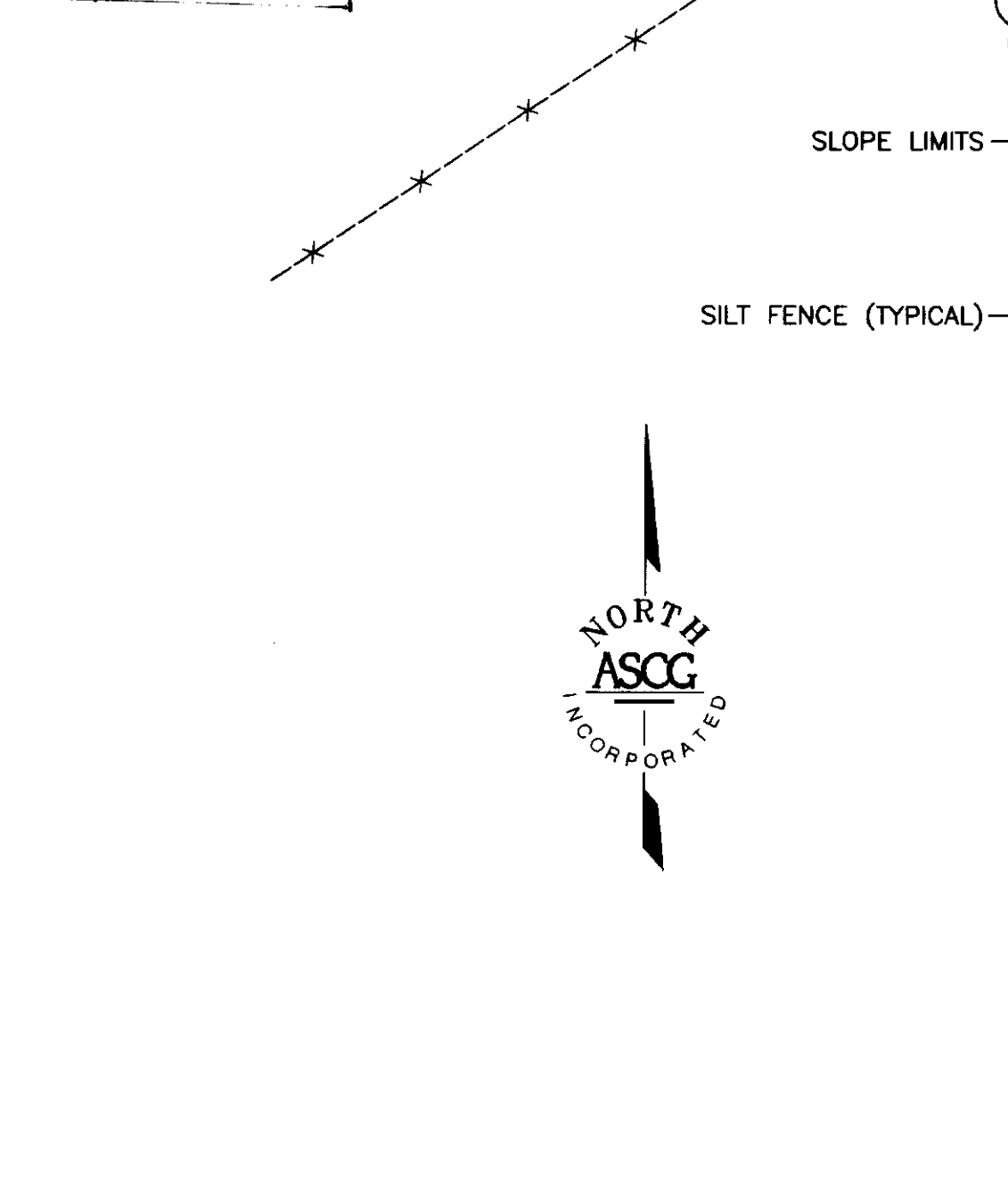
DESIGNED BY: D.L.M.
DRAWN BY: J.E.M.
CHECKED BY: D.L.M.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

SCALE: NOT TO SCALE
DATE: APRIL 1993
SHEET 2 OF 8

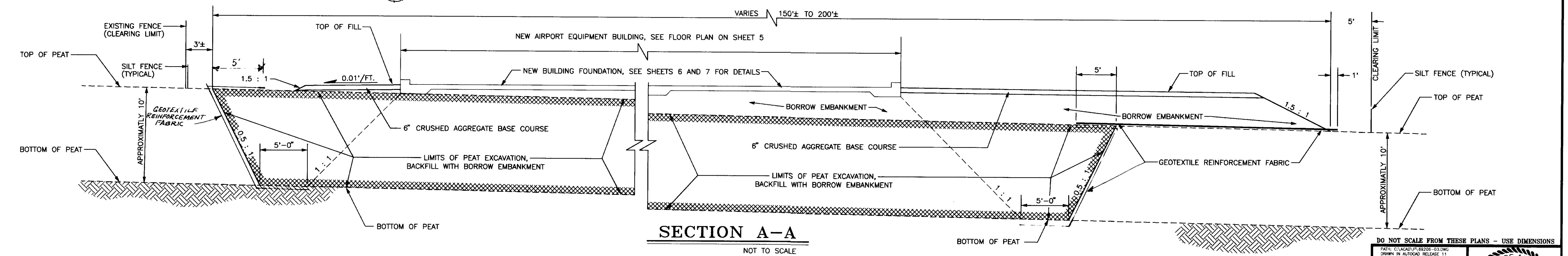
COORDINATE SUMMARY

POINT No.	COORDINATES	ELEVATION	DESCRIPTION OF POINT
1	N. 10791.66 E. 9779.73	107.00	TOP OF FILL AT CORNER
2	N. 10638.08 E. 9920.61	106.00	TOP OF FILL AT CORNER
3	N. 10590.01 E. 9781.15	107.75	TOP OF FILL AT GRADE BREAK
4	N. 10549.61 E. 9663.91	106.85	TOP OF FILL AT CORNER
5	N. 10684.08 E. 9617.57	107.40	TOP OF FILL AT CORNER
6	N. 10729.64 E. 9666.78	108.20	TOP OF FILL AT GRADE BREAK
7	N. 10737.93 E. 9716.76	108.50	TOP OF FILL AT BUILDING CORNER
8	N. 10633.82 E. 9785.93	108.50	TOP OF FILL AT BUILDING CORNER
9	N. 10600.61 E. 9735.95	108.50	TOP OF FILL AT BUILDING CORNER
10	N. 10704.73 E. 9666.78	108.50	TOP OF FILL AT BUILDING CORNER
11	N. 10740.31 E. 9874.32	-	INSTALL 6.25 S.F. STOP SIGN FACING NORTHEAST BOUND TRAFFIC
6a	N. 9691.77 E. 9691.77	-	-
6b	N. 10669.27 E. 9726.35	-	-
6c	N. 10617.21 E. 9760.93	-	-



SITE PLAN
SCALE: 1" = 20'-0"

NOTES:
1. SEE SHEET 4 FOR BASIS OF HORIZONTAL CONTROL.



SECTION A-A
NOT TO SCALE

BY:	DATE:	DESCRIPTION OF CHANGE:
DLM	3/31/94	ADDED SILT FENCE

RECORD OF REVISIONS

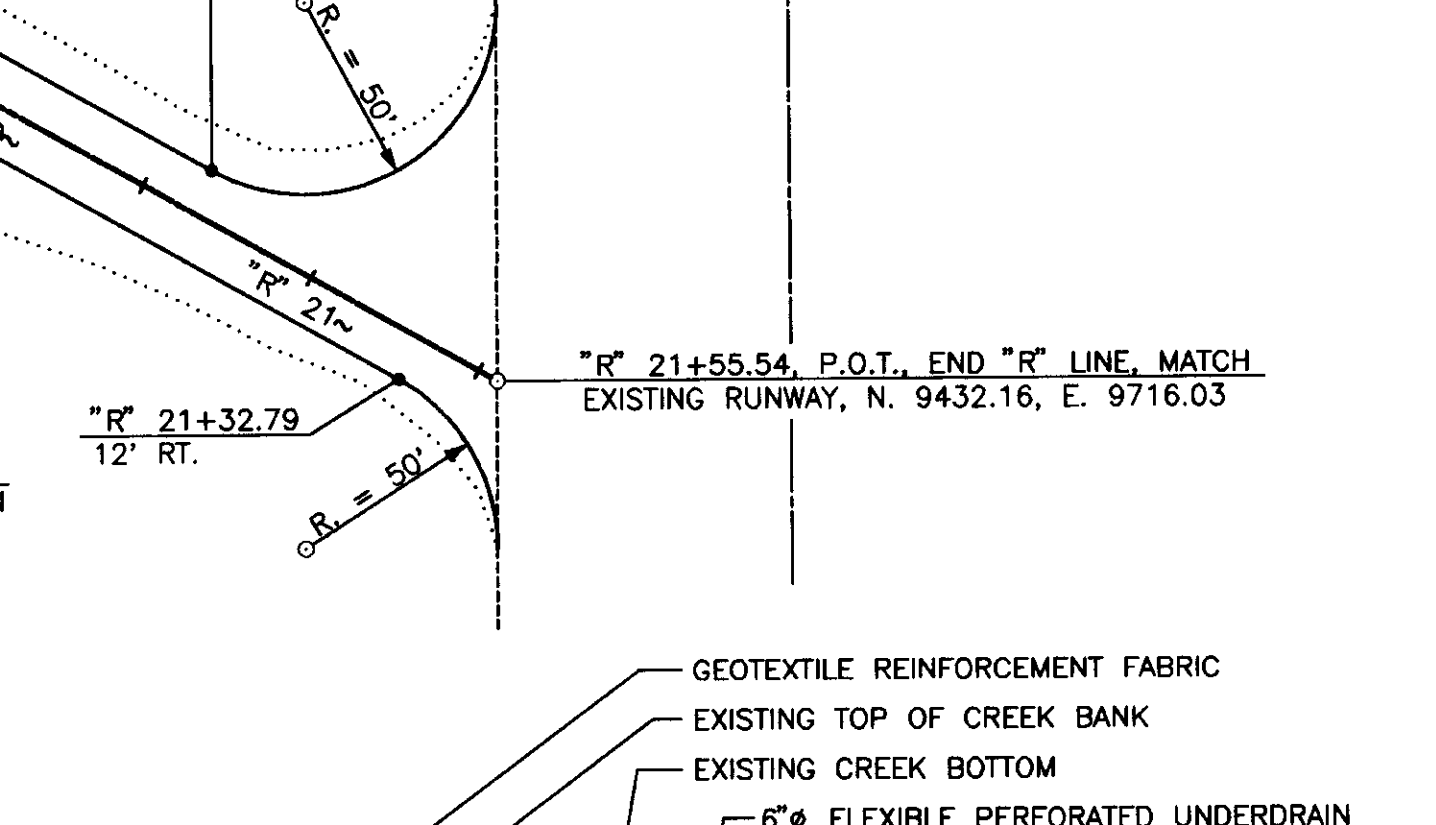
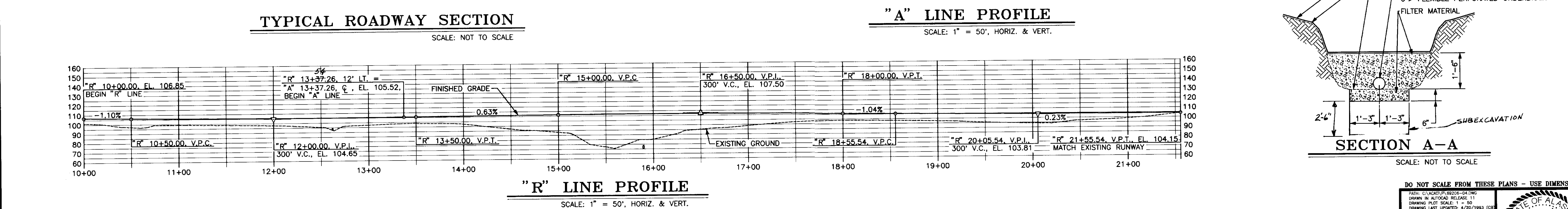
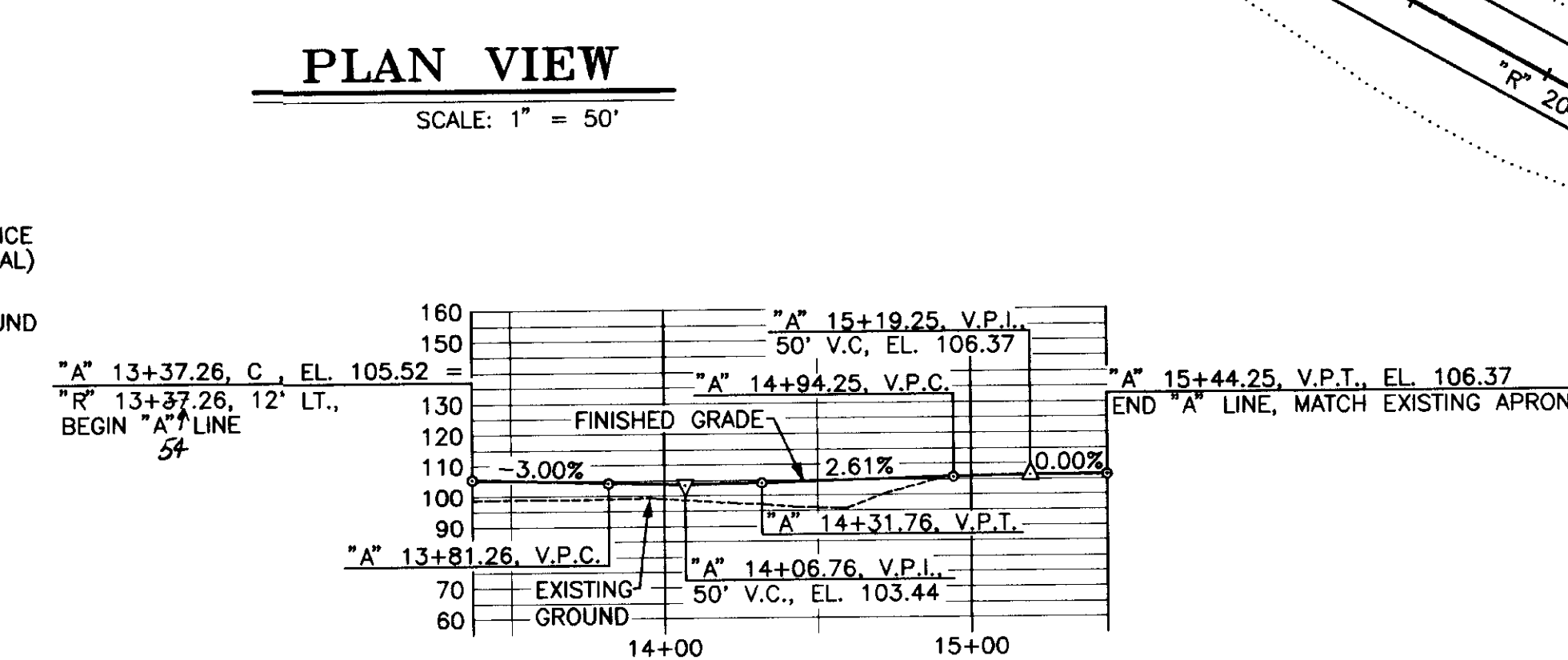
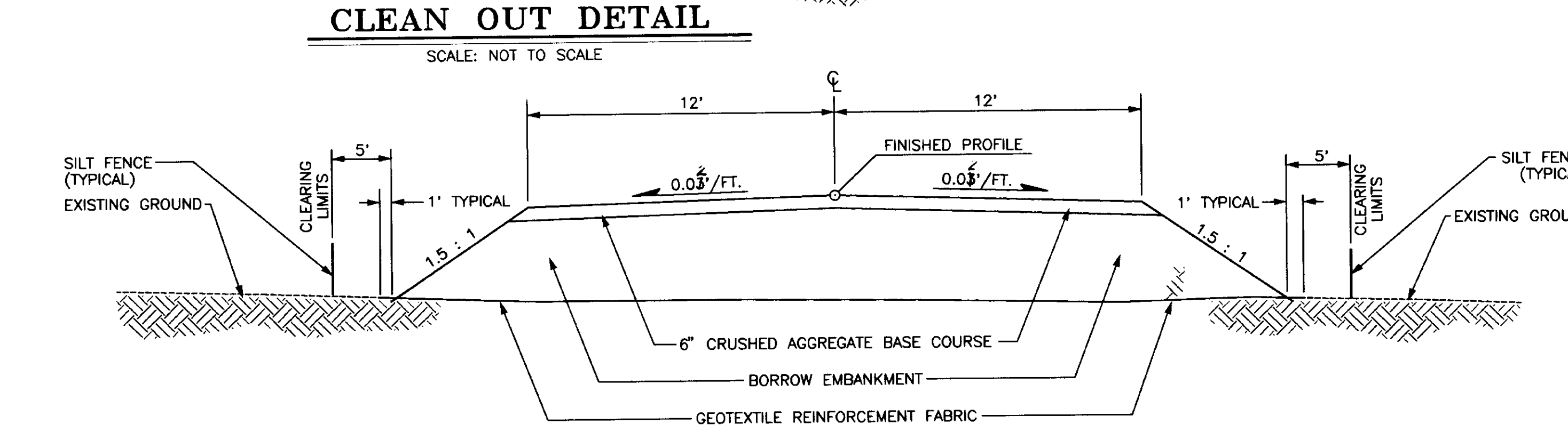
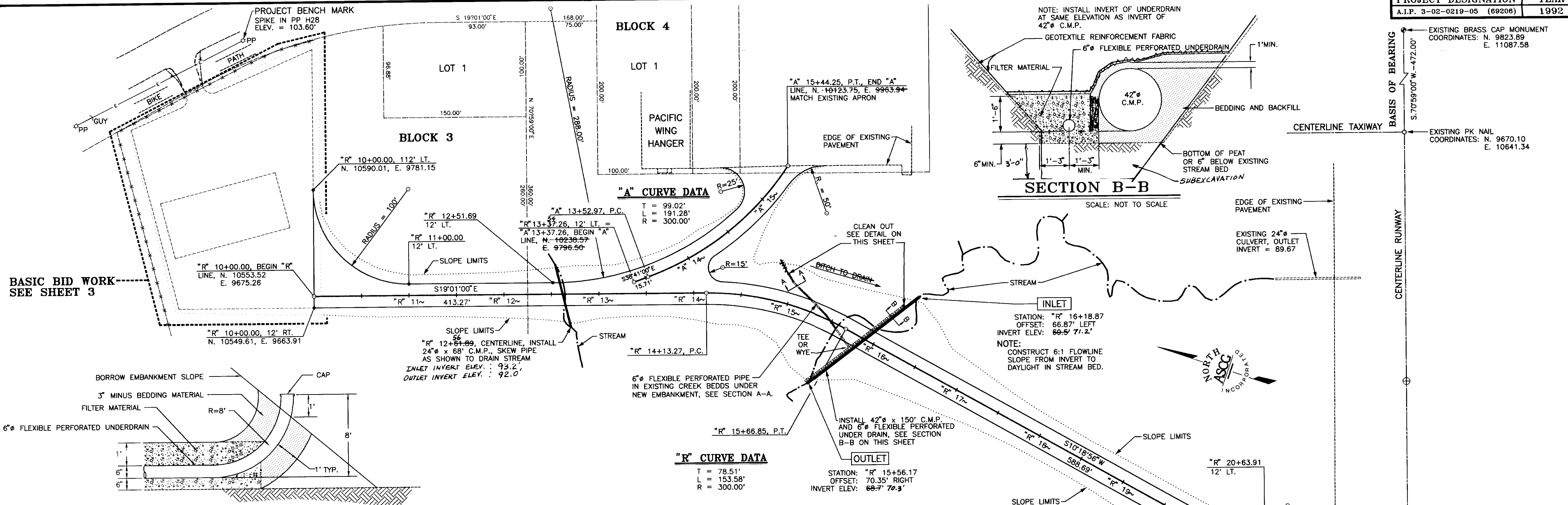
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG
AIRPORT EQUIPMENT BUILDING
BASIC BID WORK

ASCG
INCORPORATED
ENGINEERS • ARCHITECTS • SCIENTISTS • SURVEYORS

DESIGNED BY: D.L.M.
DRAWN BY: J.E.M.
CHECKED BY: D.L.M.

SCALE: AS SHOWN
DATE: APRIL 1993
SHEET 3 OF 8



BY:	DATE:	DESCRIPTION OF CHANGE:
D.L.M.	3/31/94	ADDED SILT FENCE TO TYPICAL SECTION
D.L.M.	1/17/94	REVISED INVERTS ON 42" x 150' CMP DOWNWARD BY .5±

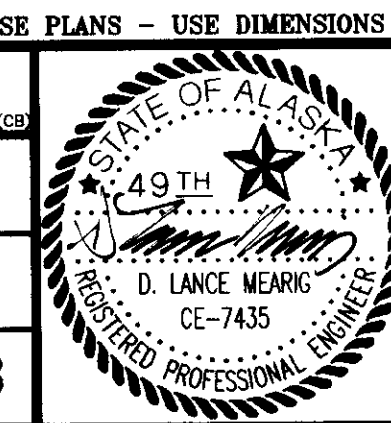
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 SOUTHEAST REGION DESIGN & CONSTRUCTION

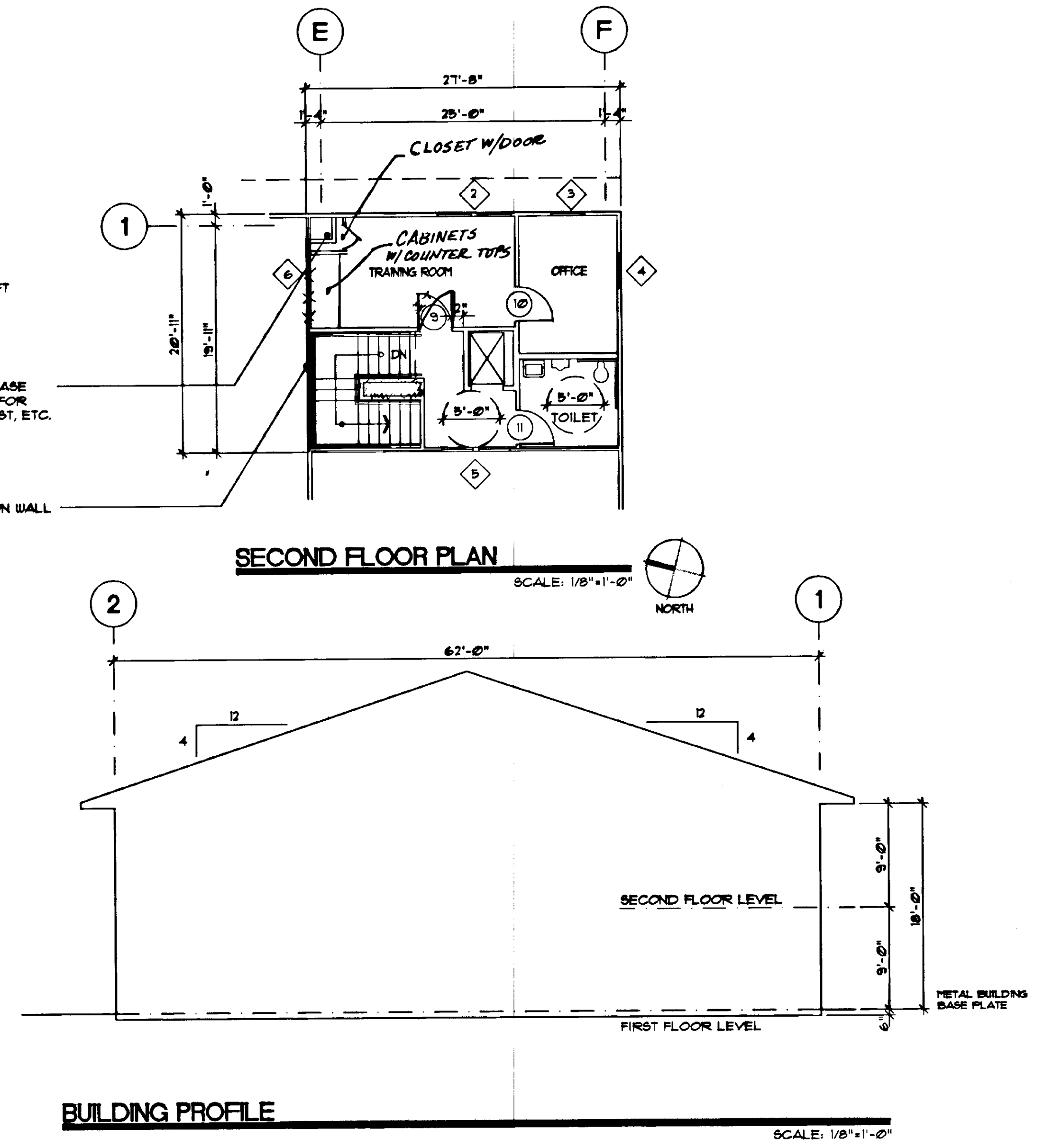
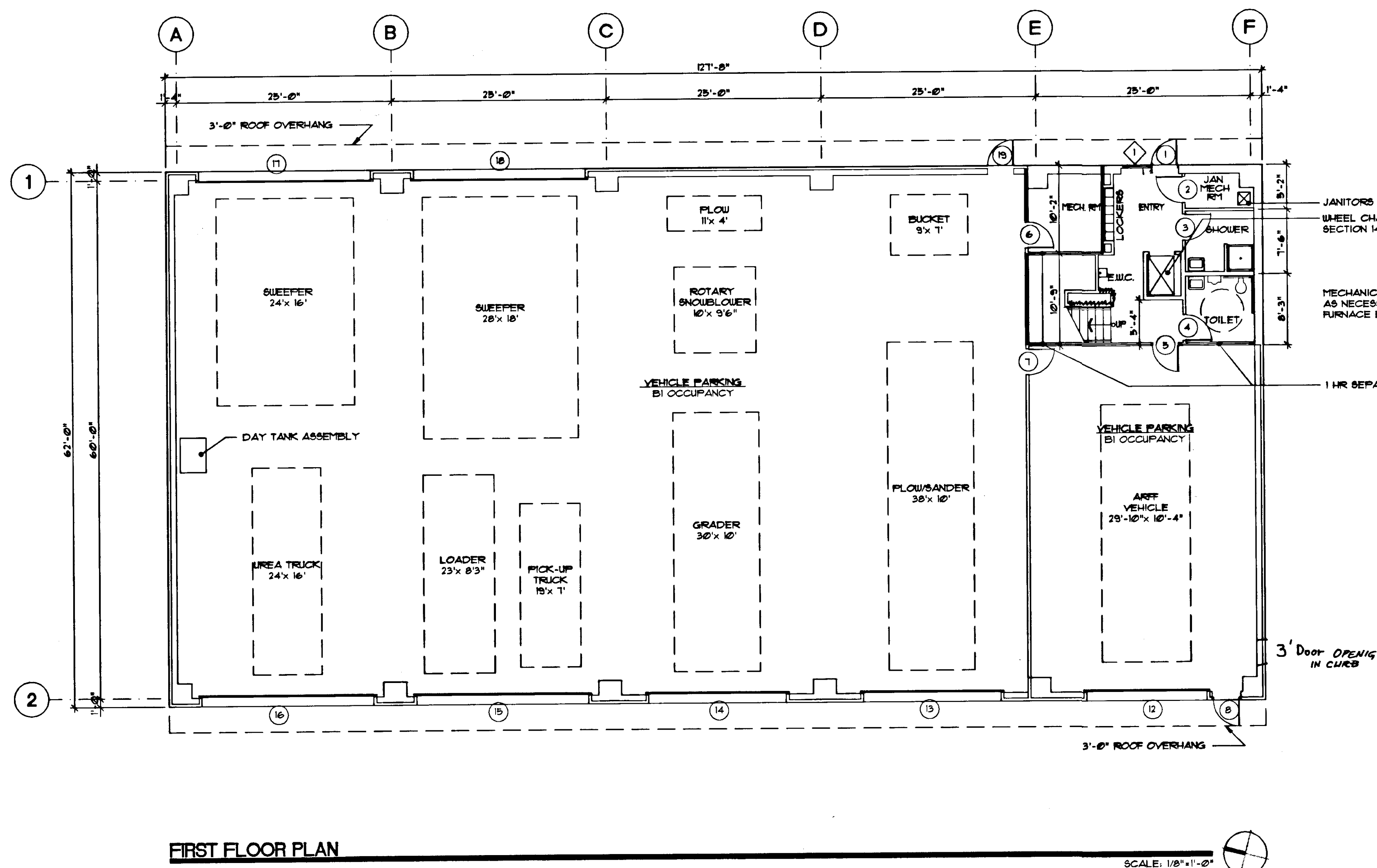
PETERSBURG
 AIRPORT EQUIPMENT BUILDING
 ALTERNATE 1 WORK



DESIGNED BY: D.L.M.
 DRAWN BY: J.E.M.
 CHECKED BY: D.L.M.

SCALE: AS SHOWN
 DATE: APRIL 1993
 SHEET 4 OF 8





DOOR SCHEDULE												
BID GROUP	DOOR NO.	DOORS					FRAMES		REMARKS	DOOR NO.		
		WIDTH	HEIGHT	THICKNESS	TYPE	MATERIAL	FINISH	TYPE			MATERIAL	FINISH
BASE	1	3'-0"	7'-0"	1 1/2"	FLUSH	METAL	PANT	1	METAL	PANT	SECTION 1322	1
	2	3'-0"	6'-8"	1 1/2"	FLUSH	WOOD	CLEAR	1	METAL	PANT		2
	3	3'-0"	6'-8"	1 1/2"	FLUSH	WOOD	CLEAR	1	METAL	PANT		3
	4	3'-0"	6'-8"	1 1/2"	FLUSH	WOOD	CLEAR	1	METAL	PANT		4
	5	3'-0"	6'-8"	1 1/2"	FLUSH	METAL	PANT	1	METAL	PANT	1 HOUR RATED	5
	6	3'-0"	6'-8"	1 1/2"	FLUSH	METAL	PANT	1	METAL	PANT	1 HOUR RATED	6
	7	3'-0"	6'-8"	1 1/2"	FLUSH	METAL	PANT	1	METAL	PANT		7
	8	3'-0"	7'-0"	1 1/2"	FLUSH	METAL	PANT	1	METAL	PANT	SECTION 1322	8
	9	3'-0"	6'-8"	1 1/2"	FLUSH	WOOD	CLEAR	1	METAL	PANT		9
	10	3'-0"	6'-8"	1 1/2"	FLUSH	WOOD	CLEAR	1	METAL	PANT		10
	11	3'-0"	6'-8"	1 1/2"	FLUSH	WOOD	CLEAR	1	METAL	PANT		11
	12	14'-0"	16'-0"		O.H.	METAL	PAINT	MANUFAC	METAL	PAINT	SECTION 1322	12
	13	16'-0"	16'-0"		O.H.	METAL	PAINT	MANUFAC	METAL	PAINT	SECTION 1322	13
	14	16'-0"	16'-0"		O.H.	METAL	PAINT	MANUFAC	METAL	PAINT	SECTION 1322	14
	15	20'-0"	16'-0"		O.H.	METAL	PAINT	MANUFAC	METAL	PAINT	SECTION 1322	15
	16	20'-0"	16'-0"		O.H.	METAL	PAINT	MANUFAC	METAL	PAINT	SECTION 1322	16
	17	20'-0"	16'-0"		O.H.	METAL	PAINT	MANUFAC	METAL	PAINT	SECTION 1322	17
	18	20'-0"	16'-0"		O.H.	METAL	PAINT	MANUFAC	METAL	PAINT	SECTION 1322	18
	19	3'-0"	7'-0"	1 1/2"	FLUSH	METAL	PANT	1	METAL	PANT	SECTION 1322	19

WINDOW SCHEDULE											
BID GROUP	WINDOW NUMBER	ROUGH OPENINGS		TYPE	GLAZING TYPE	MATERIAL	FINISH	OPERATION	REMARKS	WINDOW NUMBER	
		WIDTH	HEIGHT								
BASE	1	3'-0"	4'-0"	SINGLE	INSUL	METAL	FACTORY	SLIDING	SECTION 1322	1	
	2	4'-0"	3'-0"	PAIR	INSUL	METAL	FACTORY	SLIDING	SECTION 1322	2	
	3	4'-0"	3'-0"	SINGLE	INSUL	METAL	FACTORY	SLIDING	SECTION 1322	3	
	4	4'-0"	3'-0"	SINGLE	INSUL	METAL	FACTORY	SLIDING	SECTION 1322	4	
	5	4'-0"	4'-0"	PAIR	WIRE	METAL	PANT	FIXED	SECTION 8500/HR	5	
BASE	6	4'-0"	4'-0"	SINGLE	WIRE	METAL	PANT	FIXED	SECTION 8500/HR	6	

BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

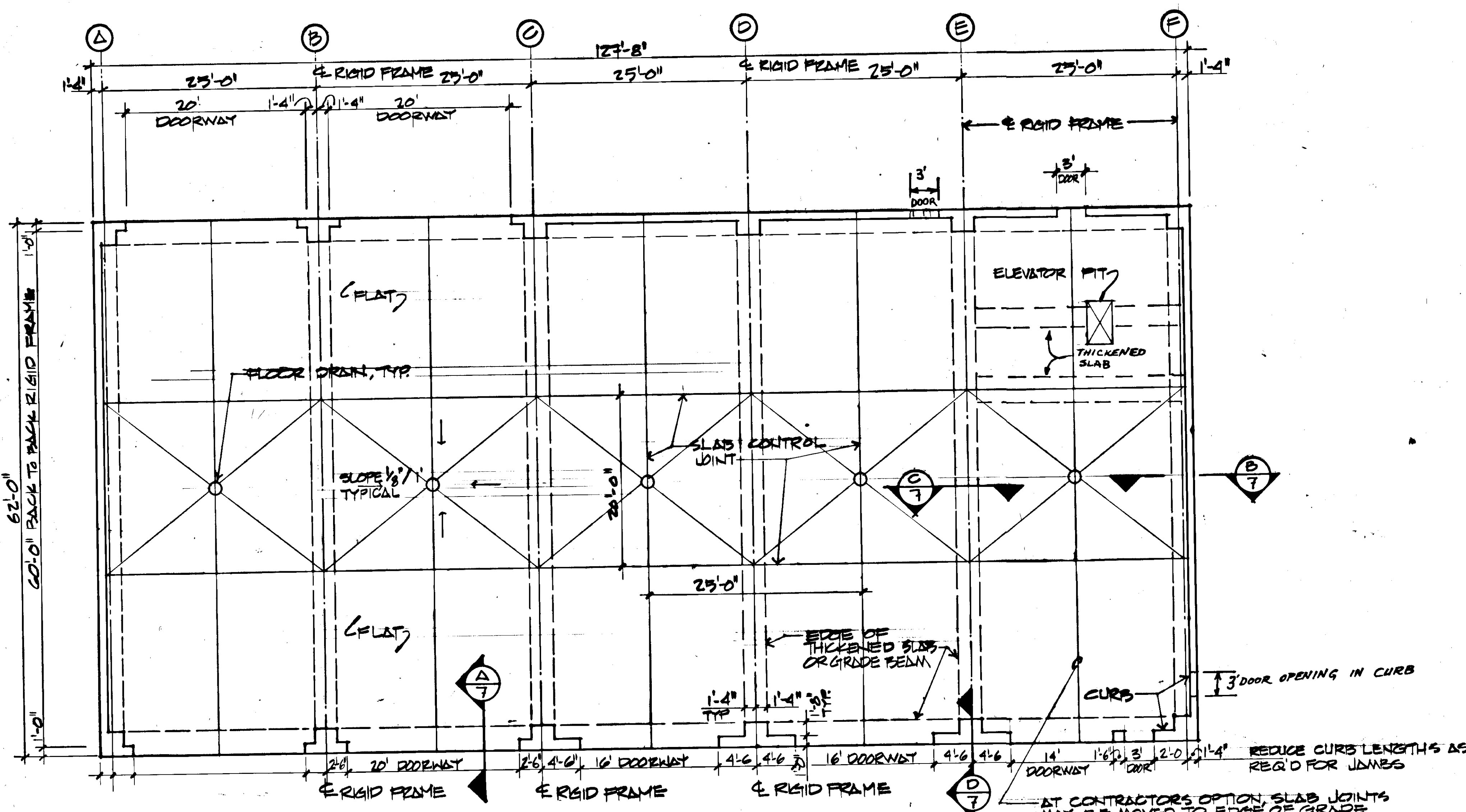
PETERSBURG
AIRPORT EQUIPMENT BUILDING
FLOOR PLAN

ASCG
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DESIGNED BY: F.I.B.
DRAWN BY: R.R.Y.
CHECKED BY: F.I.B.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

SCALE: AS NOTED
DATE: APRIL 1993
SHEET 5 OF 8



FOUNDATION NOTES

DESIGN LOADS: SNOW LOAD - 50psf
WIND - 100mph/'91 UBC
EQ. - ZONE 2B/'91 UBC
LIVE LOAD, SECOND FLOOR - 100 psf

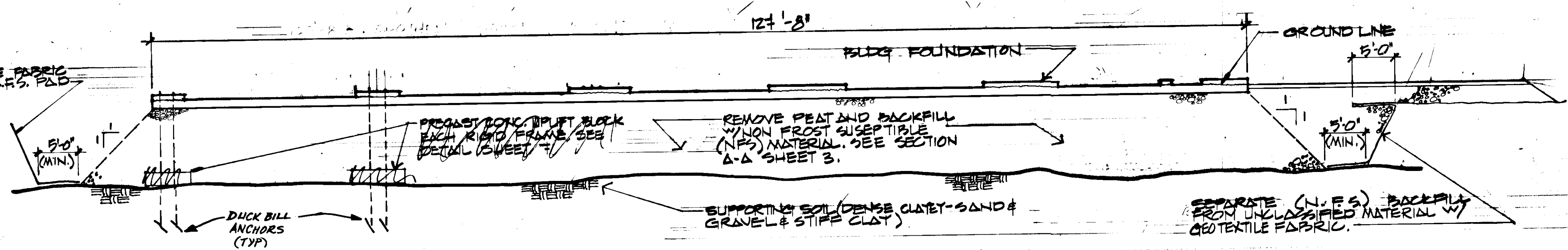
SOILS: A SOILS INVESTIGATION WAS PERFORMED FOR THIS PROJECT. THE REPORT IS AVAILABLE FOR REVIEW. REMOVE PEAT FROM BUILDING AREA AND REPLACE WITH NON-FROST SUSCEPTIBLE (NFS) MATERIAL.

CONCRETE: FURNISH CONCRETE WITH A 28 DAY COMPRESSIVE STRENGTH OF AT LEAST 5000psi AND AN ENTRAINED AIR CONTENT BETWEEN 4% & 8%. IF DESIRED, USE SUPERPLASTICIZER TO MAKE FRESH CONCRETE MORE WORKABLE. DO NOT MOVE CONCRETE WITH VIBRATOR. USE REINFORCING BARS OF ASTM A615, GRADE 60.

STEEL: USE ASTM A36 SHAPES, PLATES, AND BARS. GALV. AFTER FABRICATION PER ASTM A123. USE ASTM A307 BOLTS GALVANIZED PER ASTM A153.

FOUNDATION PLAN

SCALE: 1/8" = 1'-0"



FOUNDATION SIDE ELEVATION

SCALE: 1/8" = 1'-0" (APPROACH ROADWAY EMBANKMENT NOT SHOWN)

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

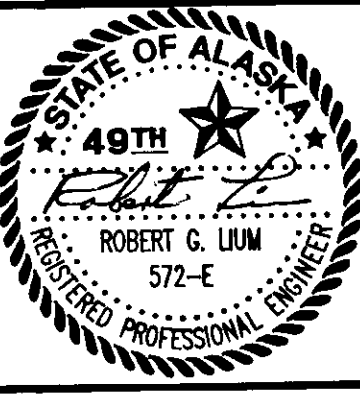
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG
AIRPORT EQUIPMENT BUILDING
FOUNDATION PLAN

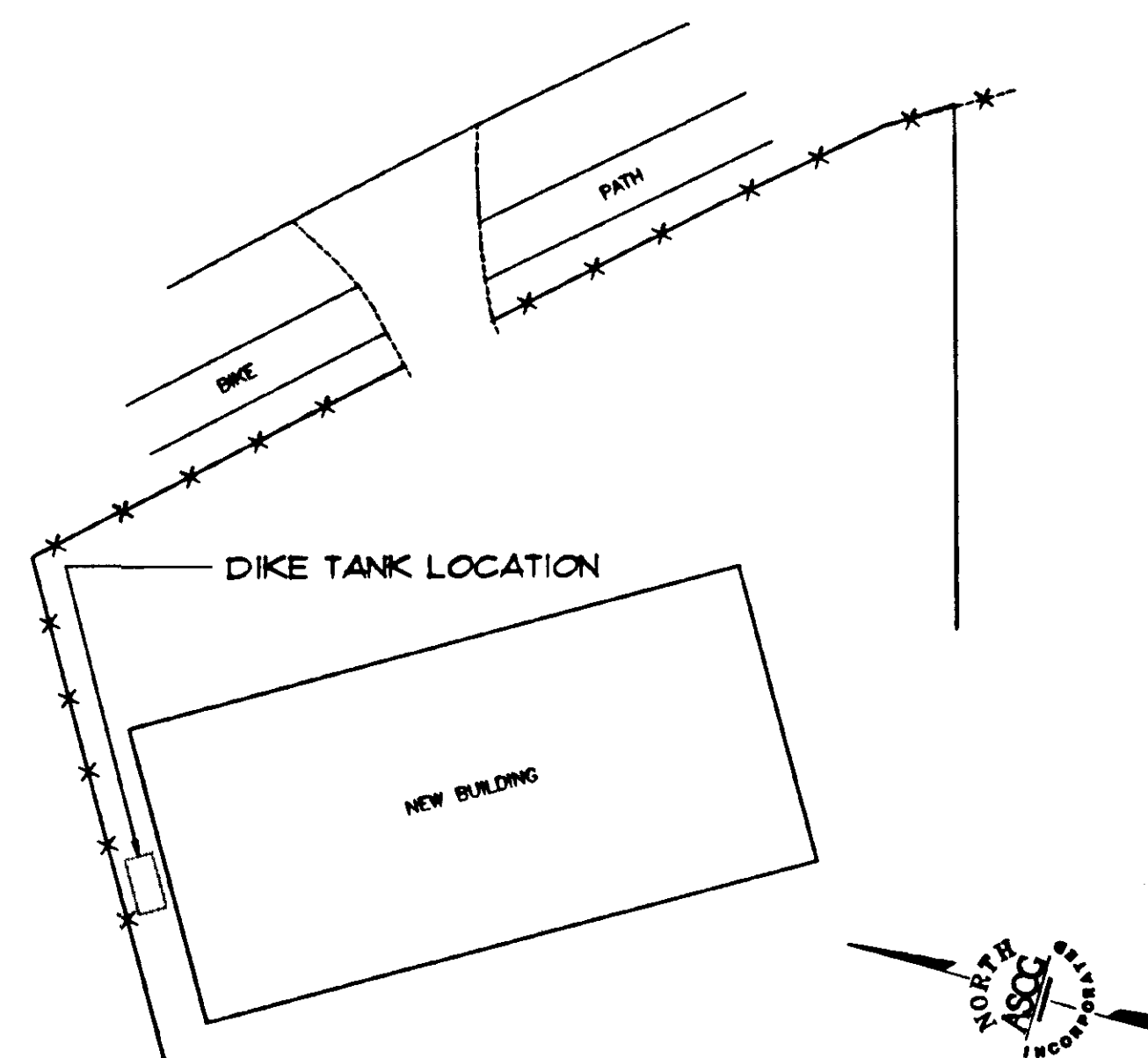
LIUM ENGINEERING
JUNEAU, ALASKA
PHONE (907) 586-1164

DESIGNED BY: RL
DRAWN BY: PK
CHECKED BY: FB

SCALE:
AS NOTED
DATE:
APRIL 1993
SHEET 6 OF 8



EQUIPMENT LIST	
MARK	DESCRIPTION
①	4"x2" HEX BUSHING
②	LEVEL GAUGE: ACE #RD6560-64
③	2"Ø ADAPTER KIT: ACE #RD22-00001
④	20" MANHOLE: CLAY & BAILEY #CB209T-20 W/CB209T-23Ø CLAMP
⑤	EMCO WHEATON #A9T CAP
⑥	EMCO WHEATON #A5Ø ADAPTOR
⑦	2" T VENT: CLAY & BAILEY #300
⑧	4" EMERGENCY VENT: CLAY & BAILEY #368 (24" HEIGHT)

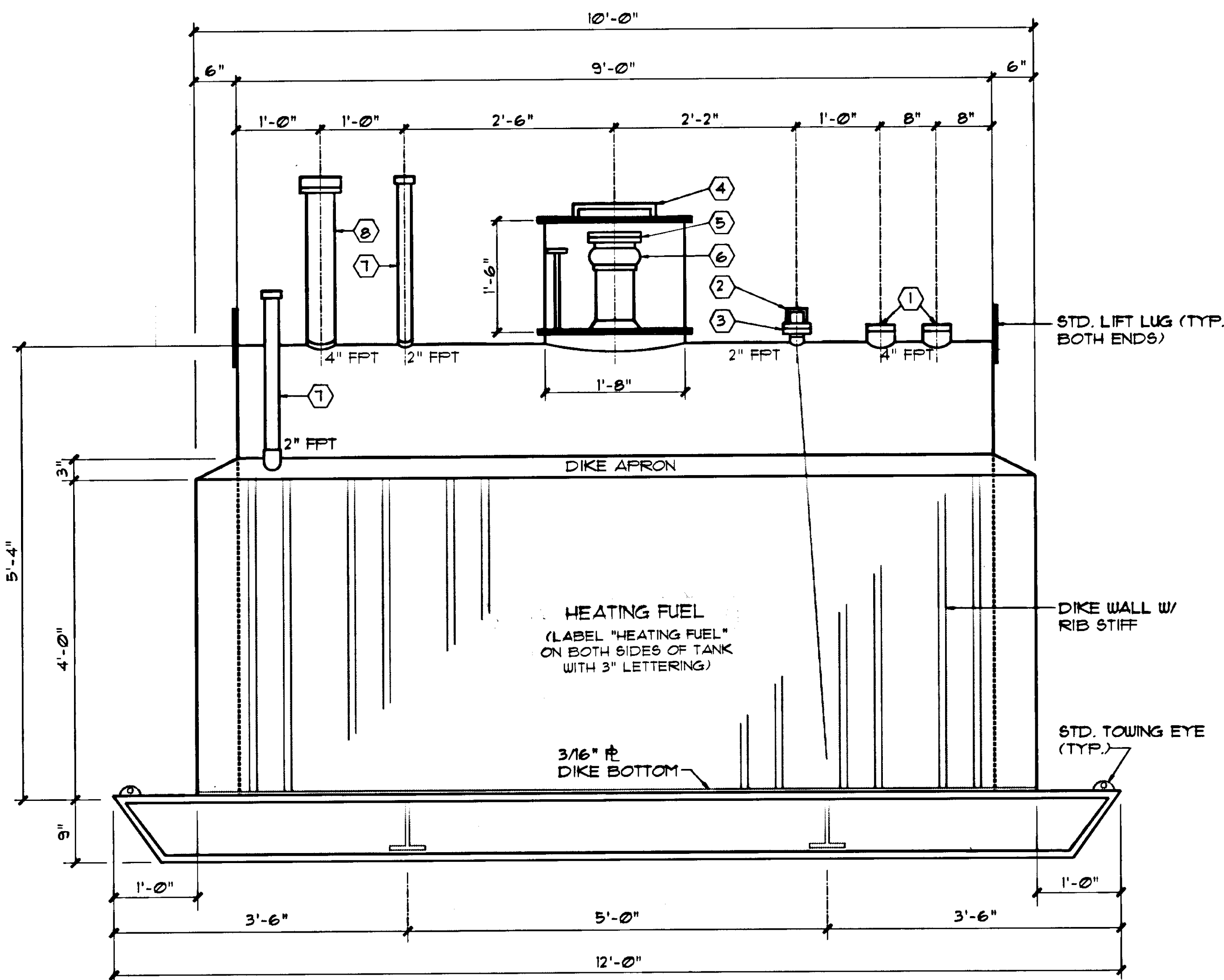


FUEL TANK LOCATION

GENERAL NOTES:

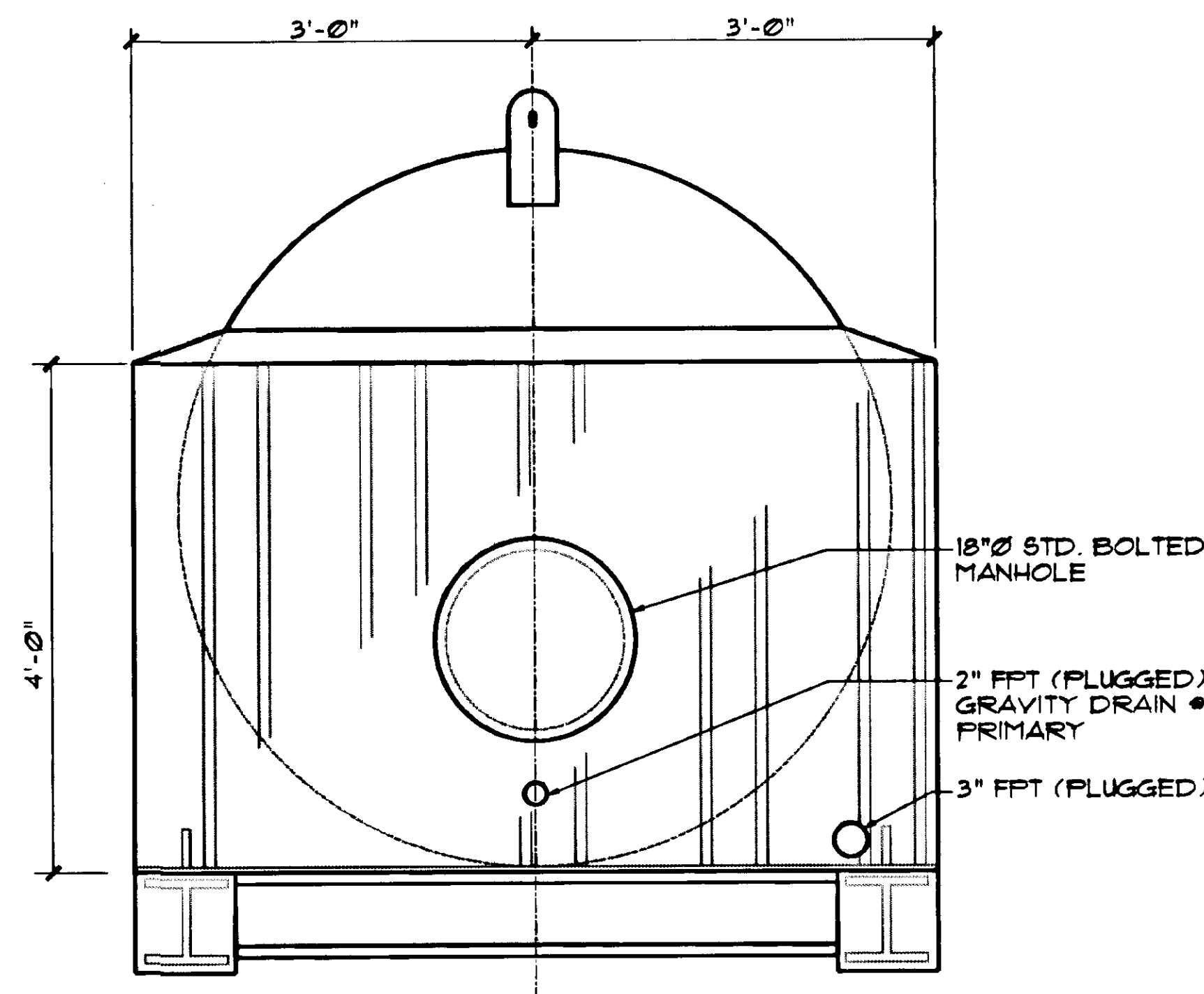
- 1.0 STRUCTURAL DESIGN BASIS AND CONSTRUCTION CODE.
- 1.1 GENERAL: THE TANK FABRICATOR SHALL DESIGN AND SUBMIT TWO COPIES OF THE FABRICATION DRAWINGS AND ENGINEERING DESIGN CALCULATIONS TO D.O.T. & P.F. FOR APPROVAL, PRIOR TO FABRICATION. THE TANK SKID ENGINEERING DESIGN CALCULATIONS SHALL BE STAMPED AND SIGNED BY PROFESSIONAL CIVIL ENGINEER REGISTERED IN THE STATE OF ALASKA.
- 1.2 TANK AND PIPING DESIGN CRITERIA:
 - BUILT AND LABELED IN ACCORDANCE WITH UL-142 SPECIFICATION.
 - DESIGN PRESSURE: ATMOSPHERE AT TEMP. -10°F
 - OPERATING PRESSURE: ATMOSPHERE AT AMBIENT TEMP.
 - CAPACITY: 1500 GALLONS
 - TEST PRESSURE: 5 TO 7 PSIG
 - SPECIFIC GRAVITY: 8 AT 10°F
 - SEISMIC DESIGN IS IN ACCORDANCE WITH U.B.C. ZONE 2B.
- 1.3 TANK SKID DESIGN CRITERIA:
 - DESIGN TANK SHOW LOAD: 60 PSF PLUS DRIFT LOAD
 - BASIC WIND SPEED: 60 MPH
- 2.0 STRUCTURAL STEEL AND CONNECTIONS:
 - 2.1 GENERAL: ALL PLATE AND SHAPES SHALL BE ASTM A36.
 - 2.2 OTHER STEEL MATERIALS:

SCHEDULE 30, SMLS, ASTM A106B	PIPE - 2" AND SMALLER
SCHEDULE 40, SMLS, ASTM A106B	PIPE - 3" AND LARGER
UN 150° RF, ASTM A105	FLANGES - 2"
UN 150° RF, ASTM A105	FLANGES - 3" AND LARGER
3000° SCREWED, ASTM A105	
- 3.0 WELDING:
 - 3.1 TANK AND PIPING: ALL WELDING SHALL IN BE ACCORDANCE WITH ASME SECTION IX OR AWS D11, AND SHALL BE PERFORMED BY WELDERS QUALIFIED IN ACCORDANCE WITH ASME SECTION IX OR AWS D11.
 - 3.2 TANK SKID: ALL WELDING SHALL IN BE ACCORDANCE WITH AWS D11 "STRUCTURAL WELDING CODE" AND BE PERFORMED BY WELDERS QUALIFIED IN ACCORDANCE WITH AWS D11.
- 4.0 COATINGS:
 - 4.1 THE INTERIOR OF THE TANK SHALL BE UNCOATED.
 - 4.2 THE EXTERIOR OF THE TANK AND SKID SHALL BE SAND BLASTED AND PAINTED WITH AN INORGANIC ZINC PRIMER AND TOPCOAT. COLOR SHALL BE GREEN.
- 5.0 LIFTING AND TRANSPORTING:
 - 5.1 THE TANK HAS INTEGRAL STEEL FOUNDATION AND IS FOR STATIONARY USE ONLY. LIFT AND TRANSPORT THE TANK ONLY WHEN EMPTY.
 - 5.2 THE TANK FABRICATOR WILL DETERMINE THE SIZE AND LOCATION OF THE LIFTING LUGS. A MINIMUM OF 2 LUGS IS REQUIRED.



DIKE TANK - SIDE ELEVATION

SCALE: 1" = 1'-0"



DIKE TANK - END ELEVATION

SCALE: 1" = 1'-0"

BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND
PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & CONSTRUCTION

PETERSBURG
AIRPORT EQUIPMENT BUILDING
FUEL TANK DETAILS

ASCG
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DESIGNED BY: G.R.
DRAWN BY: D.G.
CHECKED BY: G.R.

DO NOT SCALE FROM THESE PLANS - USE DIMENSIONS

PATH: C:\ACAD\PL\89206-08.DWG
DRAWN IN AUTOCAD RELEASE 11
DRAWING PLOT SCALE: 1" = 1'
DRAWING LAST UPDATED: 4/28/92

SCALE: AS NOTED
DATE: APRIL 1993
SHEET 8 OF 8

STAMP