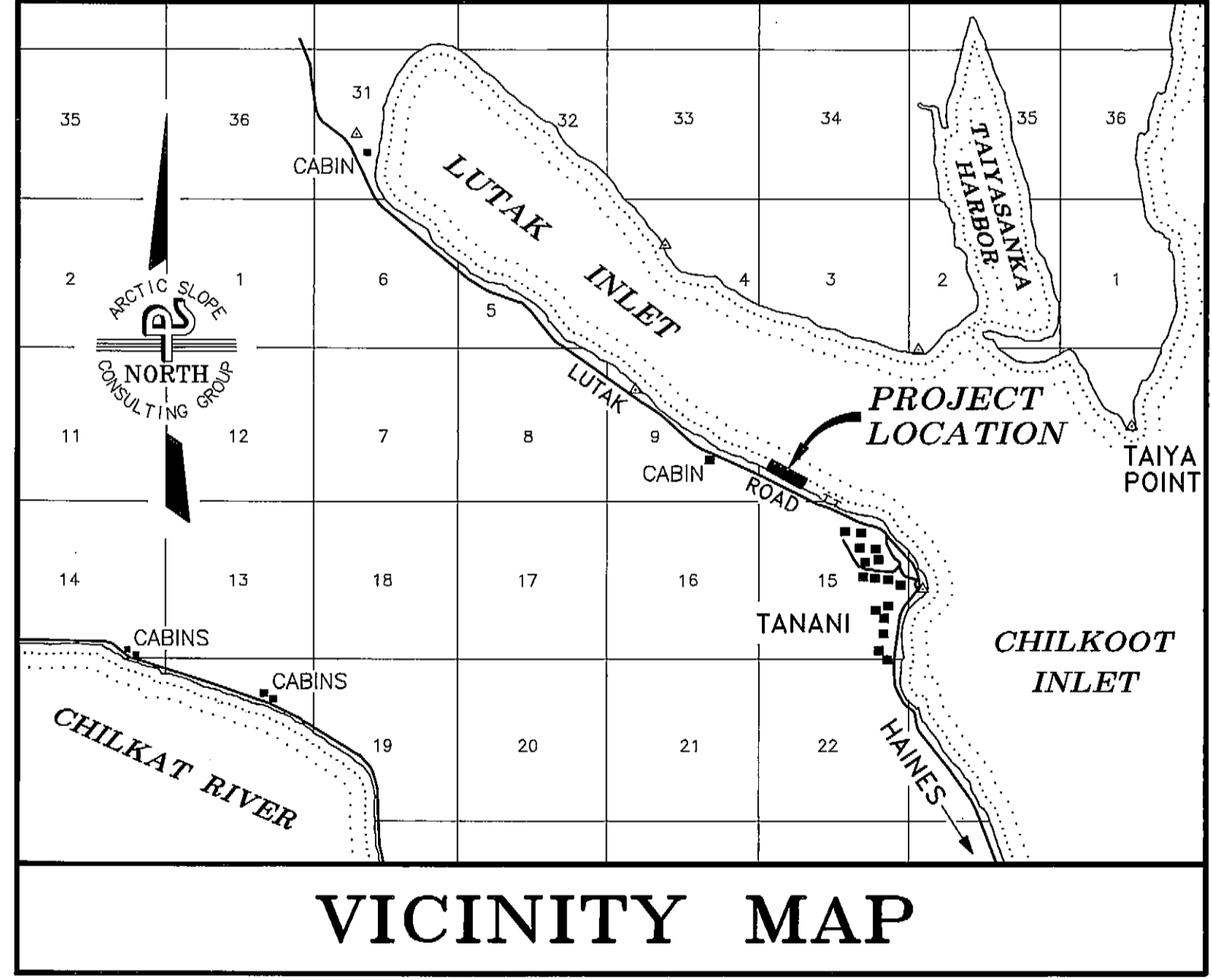
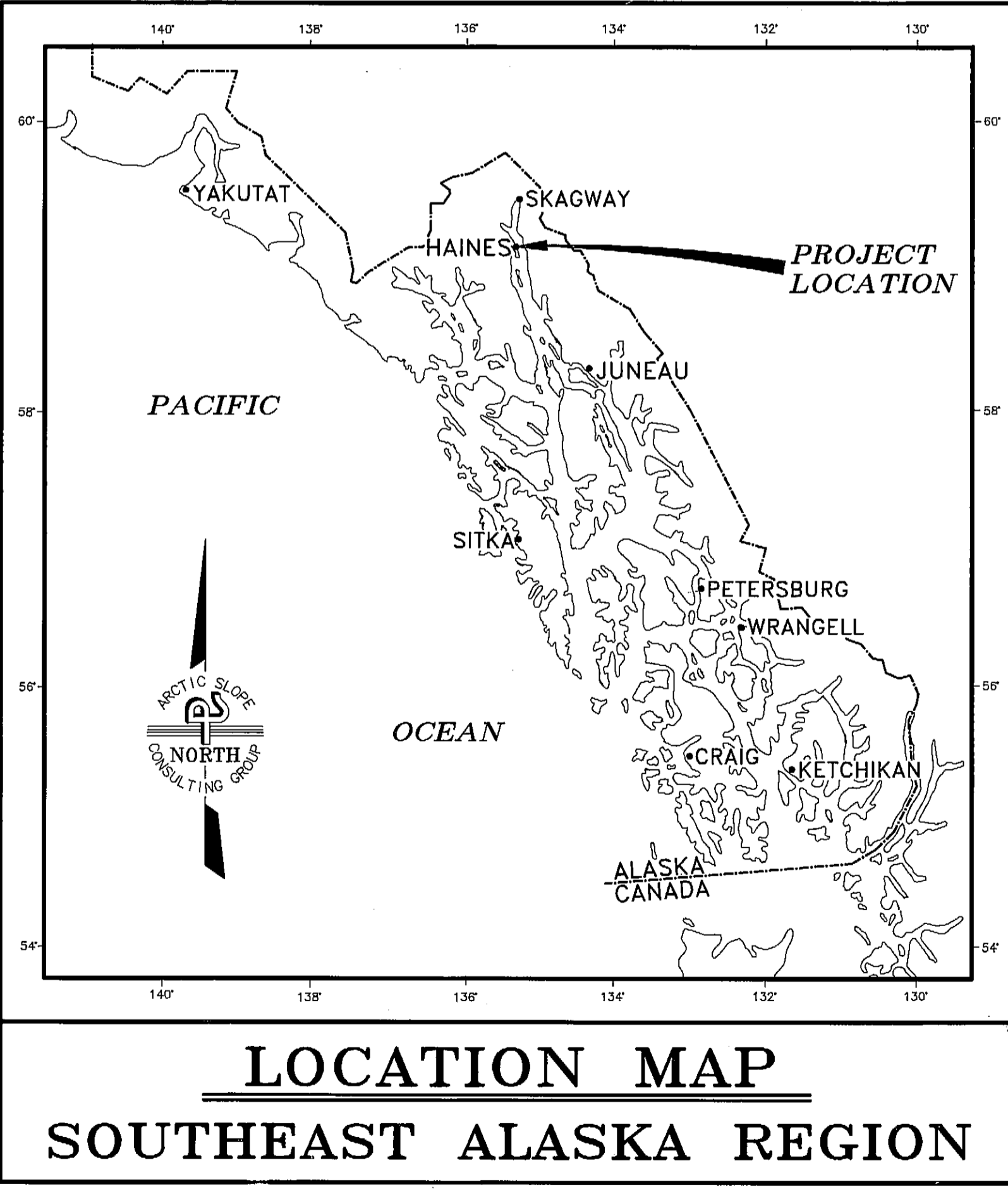


# HAINES FERRY TERMINAL UPLAND IMPROVEMENTS

**PROJECT NUMBER  
RS-0991 (3) & 75034**

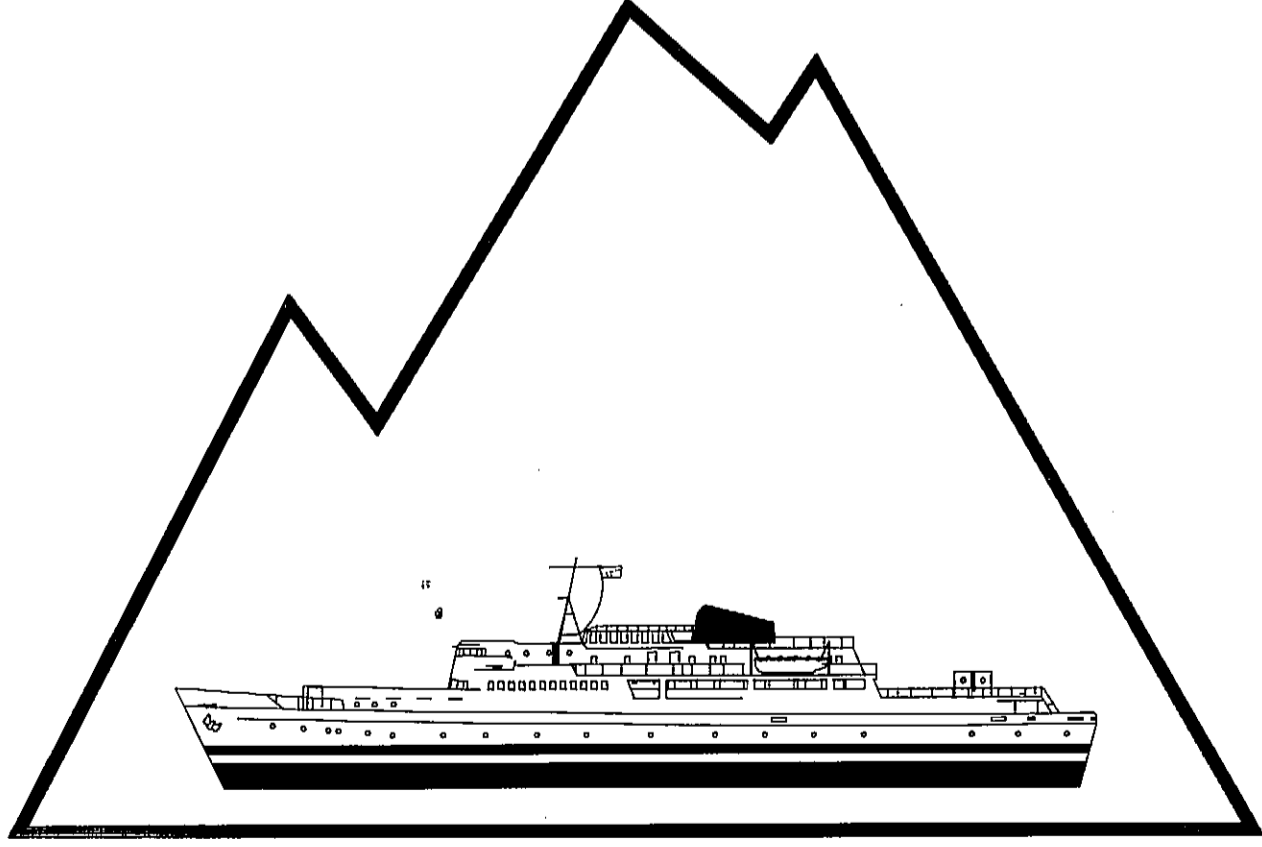
INDEX OF SHEETS	
SHT. No.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTIONS
3	ESTIMATE OF QUANTITIES
4	EXISTING FACILITIES & DEMOLITION PLAN
5	PROPOSED LAYOUT
6-7	TRAFFIC CONTROL PLANS
8	GRADING AND DRAINAGE
9	DRAINAGE DETAILS
10	STRIPING AND SIGNING
11	SIGNING SCHEDULE
12	SIDEWALK DETAILS
13	HAND RAIL AND BARRIER DETAILS
14	GATE DETAILS
15	MISCELLANEOUS DETAILS
16	CHECK-IN STATION
17-19	ELECTRICAL AND ILLUMINATION



*AS-BUILT*  
PROJECT ENGINEER - CLIFF DOUGLAS  
CONTRACTOR - MILLER CONSTRUCTION

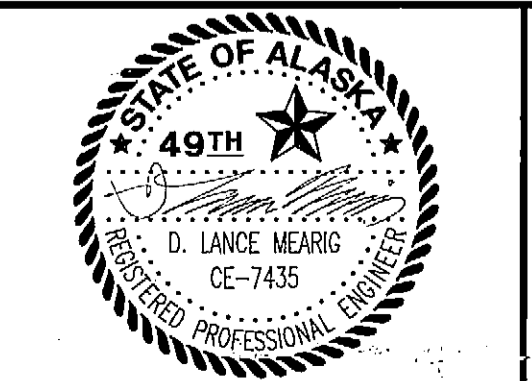
THE FOLLOWING DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES STANDARD DRAWINGS ARE INCLUDED IN THIS PROJECT:  
C-01.03, C-02.01, D-20.02, D-23.00, D-24.00, D-26.01, D-27.01, F-01.01, F-03.01, G-04.04W, G-14.04W, G-18.00W, G-34.01W, I-20.10, L-10.01, M-16.01, S-00.00, S-05.00, S-20.00, S-30.01, T-20.00, T-21.01, AND T-22.01

**NOTE:**  
REFER TO NOTE No. 5 ON SHEET 3.



**alaska**  
marine highway

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**STATE  
OF  
ALASKA**

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
**MARINE ENGINEERING**

APPROVED  
*CLD* 7-9-92  
SHORE FACILITIES ENGINEER DATE  
RECOMMENDED FOR APPROVAL  
GROUP DESIGN CHIEF  
SHEET 1 OF 19



## ESTIMATE OF QUANTITIES

ITEM No.	PAY ITEM	UNIT	QUANTITY
110	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
111	TEMPORARY EROSION AND POLLUTION CONTROL	CONT. SUM	ALL REQUIRED
114 (1)	TRAFFIC MAINTENANCE AND CONTROL	LUMP SUM	ALL REQUIRED
114 (2)	FLAGGING	MAN HOUR	382 4,200
116	FURNISHING AND MAINTAINING FIELD OFFICE	LUMP SUM	ALL REQUIRED
120 (1)	DBE ADJUSTMENT	CONT. SUM	ALL REQUIRED
201	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED
203 (1)	BORROW, TYPE A	TON	16,617 12,300
203 (2)	SUBBASE	TON	7,698 4,350
203 (3)	CRUSHED AGGREGATE BASE COURSE	TON	5,778 4,450
203 (4)	DRAINAGE SYSTEM	LUMP SUM	ALL REQUIRED
205 (1)	RIPRAP, CLASS I	CUBIC YARD	615 550
205 (2)	RIPRAP, CLASS III-IV	CUBIC YARD	2132 1,450
207 (1)	HOT ASPHALT PAVEMENT, TYPE II	TON	3073 2,450
207 (2)	AC-5 ASPHALT CEMENT	TON	166,385 147
208	MC-30 LIQUID ASPHALT FOR PRIME COAT <i>(Deleted)</i>	TON	0 47
501	ELECTRICAL POWER, LIGHTING, TELEPHONE AND VIDEO SYSTEMS	LUMP SUM	ALL REQUIRED
502	CHECK-IN STATION	LUMP SUM	ALL REQUIRED
601 (1)	GUARD RAIL	LINEAR FOOT	1118.75 1,125
601 (2)	MEDIAN RAIL	LINEAR FOOT	137.5
602	CONCRETE SIDEWALK	SQUARE YARD	963 280
603	CURB AND GUTTER	LINEAR FOOT	1808 1,670
606	SIGNS	SQUARE FOOT	326.3 250
607 (1)	6 FOOT FENCE AND GATES	LINEAR FOOT	1,010
607 (2)	PORTABLE TRAFFIC BARRIERS	EACH	15
607 (3)	DRIVE GATES	EACH	4
608 (1)	PIPE HAND RAIL	LINEAR FOOT	270
608 (2)	REMOVEABLE PIPE HAND RAIL	LINEAR FOOT	84 90
609	GEOTEXTILE, RIPRAP LINER	SQUARE YARD	1708 1,700
610	STRIPING AND MARKING	LUMP SUM	ALL REQUIRED

### GENERAL NOTES

1. THE LOCATIONS OF ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
2. STORM INLET LOCATIONS AND ELEVATIONS ARE ARE SUBJECT TO MINOR FIELD REVISIONS AS DIRECTED BY THE ENGINEER.
3. PIPE LENGTHS AND LOCATIONS ARE SUBJECT TO MINOR FIELD REVISIONS AS DIRECTED BY THE ENGINEER.
4. THE RELOCATED STORAGE BUILDING IS TO BE PLACED AS SHOWN ON SHEET 5 AFTER FINAL PAVING IS COMPLETE. PLACE BUILDING ON GRADE AND BLOCK TO LEVEL AS NECESSARY UNDER THE DIRECTION OF THE ENGINEER. CONSTRUCT WOOD RAMPS TO PROVIDE ACCESS TO DOORWAYS AS DIRECTED BY THE ENGINEER.
5. ALL REFERENCES TO CLASS "W" CONCRETE IN THE STANDARD DRAWINGS SHALL BE CHANGED TO CLASS "A" CONCRETE.

### BASIS OF ESTIMATE

ITEM No.	PAY ITEM	ESTIMATING FACTOR
203 (1)	BORROW, TYPE A	145 LBS. / CU. FT.
203 (2)	SUBBASE	145 LBS. / CU. FT.
203 (3)	CRUSHED AGGREGATE BASE COURSE	145 LBS. / CU. FT.
205 (1)	RIPRAP, CLASS I	165 LBS. / CU. FT.
205 (2)	RIPRAP, CLASS III	165 LBS. / CU. FT.
207 (1)	HOT ASPHALT PAVEMENT, CLASS II	115 LBS. / SQ. YD. / INCH DEPTH
207 (2)	AC-5 ASPHALT CEMENT	6% OF ITEM No. 207 (1)
208	MC-30 LIQUID ASPHALT FOR PRIME COAT	0.2 GAL. / SQ. YD., 256 GAL. / TON

### GUARD RAIL SUMMARY

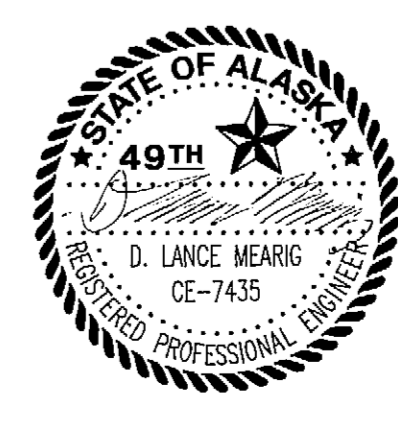
FROM		TO		LENGTH	END SECTIONS	REMARKS
STATION	OFFSET	STATION	OFFSET			
11+36.0	27.0' RT.	12+73.5	27.0' RT.	137.5 L.F.	2	INSTALL SINGLE POST MEDIAN RAIL INSTALL TERMINAL SECTION ON EACH END
11+11.8	107.3' RT.	13+23.7	116.7' RT.	212.5 L.F.	2	INSTALL 2 x 12 PRESSURE TREATED PLANK SEE GUARD RAIL DETAILS ON SHEET 15
13+48.7	117.0' RT.	18+14.1	63.6' RT.	475.0 L.F.	2	INSTALL 2 x 12 PRESSURE TREATED PLANK SEE GUARD RAIL DETAILS ON SHEET 15
18+54.3	48.1' RT.	19+88.3	17.5' RT.	137.5 L.F.	2	INSTALL 2 x 12 PRESSURE TREATED PLANK SEE GUARD RAIL DETAILS ON SHEET 15
18+31.0 18+25.0	121.0' LT.	20+00.0	121.0' LT.	168.75 L.F. 175.0 L.F.	-	INSTALL SPADE END ON EACH END
20+26.0	95.0' LT.	20+54.3	12.2' RT.	125.0 L.F.	1	INSTALL SPADE END ON THE END AT STATION 20+26, 95.0' LT.

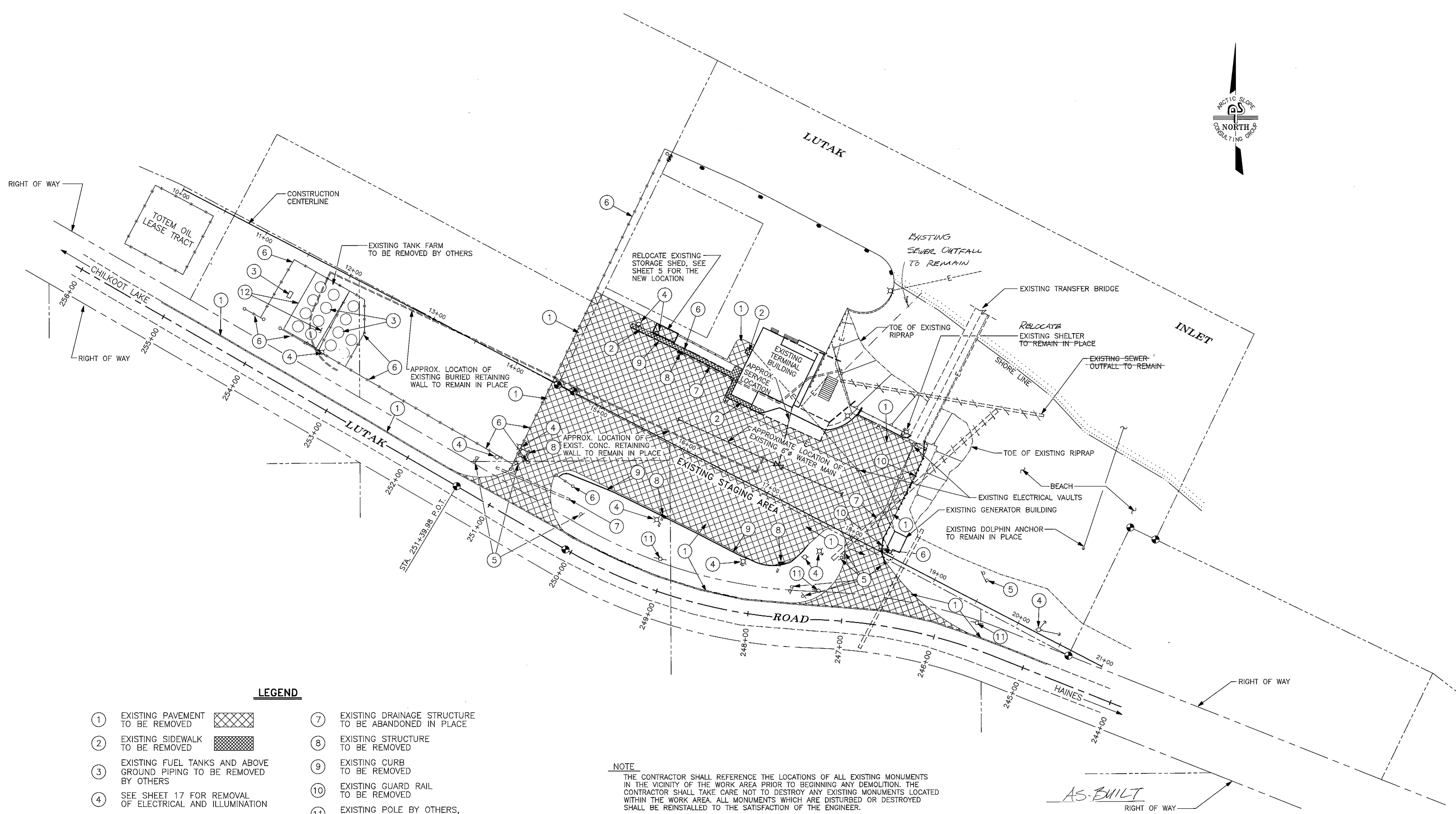
### MONUMENT SUMMARY

STATION	OFFSET	MONUMENT	CASE	REMARKS
<del>14+67.63</del>	<del>-1.17' LT.</del>		X	INSTALL MONUMENT CASE IN SIDEWALK
<del>14+83.15</del>	<del>-7.24' LT.</del>		X	INSTALL MONUMENT CASE IN SIDEWALK
14+49.70	0.30 RT.			
14+67.90	1.17 LT.			

*AS-BUILT*


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	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES		
	HAINES	ALASKA	
<b>HAINES FERRY TERMINAL UPLAND IMPROVEMENTS</b>			
<b>ESTIMATE OF QUANTITIES</b>			
DESIGNED: D.L.M.	CHECKED: D.L.M.	DRAWN: J.E.M.	DATE: JUNE 1992
PROJECT NUMBER: RS-0991 (3) & 75034		SHEET: 3	OF: 19



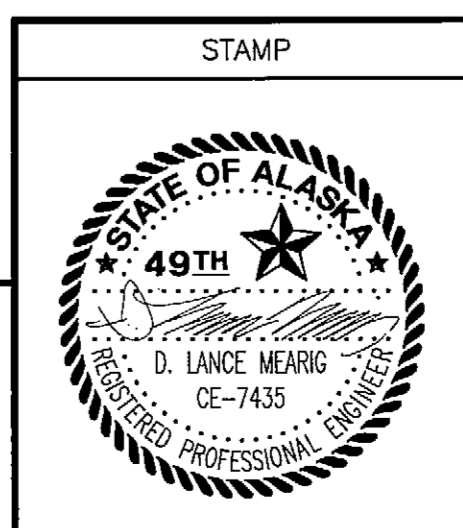
**LEGEND**

- |   |  |   |
|---|--|---|
| ① EXISTING PAVEMENT TO BE REMOVED                                     |  | ⑦ EXISTING DRAINAGE STRUCTURE TO BE ABANDONED IN PLACE              |
| ② EXISTING SIDEWALK TO BE REMOVED                                     |  | ⑧ EXISTING STRUCTURE TO BE REMOVED                                  |
| ③ EXISTING FUEL TANKS AND ABOVE GROUND PIPING TO BE REMOVED BY OTHERS |  | ⑨ EXISTING CURB TO BE REMOVED                                       |
| ④ SEE SHEET 17 FOR REMOVAL OF ELECTRICAL AND ILLUMINATION             |  | ⑩ EXISTING GUARD RAIL TO BE REMOVED                                 |
| ⑤ EXISTING SIGN TO BE REMOVED   |  | ⑪ EXISTING POLE BY OTHERS, TO REMAIN IN PLACE                       |
| ⑥ EXISTING FENCE/GATE/HANDRAIL TO BE REMOVED                          |  | ⑫ EXISTING TANK FOUNDATIONS AND CONTAINMENT STRUCTURE TO BE REMOVED |

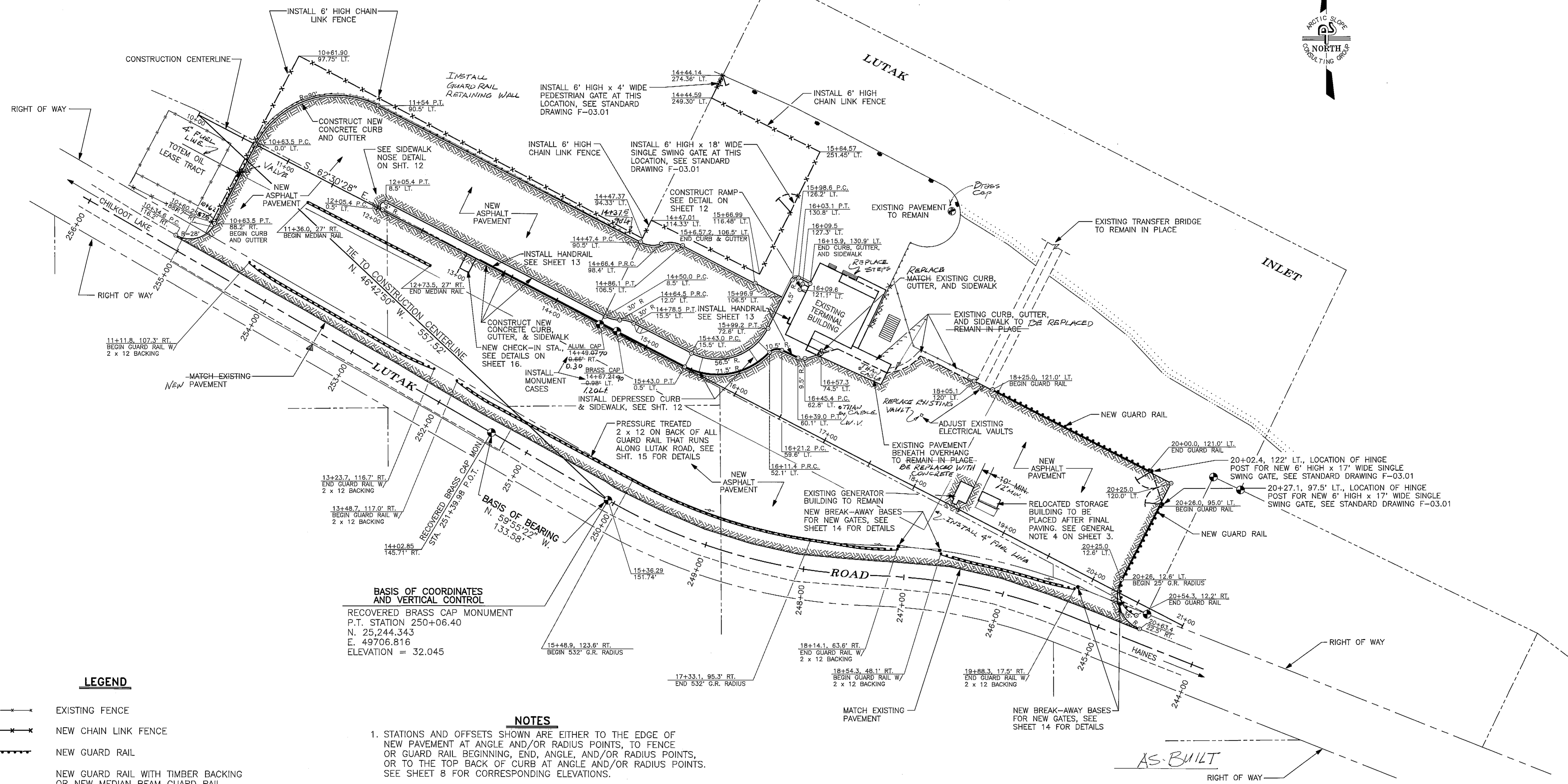
**NOTE**  
 THE CONTRACTOR SHALL REFERENCE THE LOCATIONS OF ALL EXISTING MONUMENTS IN THE VICINITY OF THE WORK AREA PRIOR TO BEGINNING ANY DEMOLITION. THE CONTRACTOR SHALL TAKE CARE NOT TO DESTROY ANY EXISTING MONUMENTS LOCATED WITHIN THE WORK AREA. ALL MONUMENTS WHICH ARE DISTURBED OR DESTROYED SHALL BE REINSTALLED TO THE SATISFACTION OF THE ENGINEER.

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DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES							
HAINES				ALASKA			
<b>HAINES FERRY TERMINAL UPLAND IMPROVEMENTS</b>							
<b>EXISTING FACILITIES &amp; DEMOLITION PLAN</b>							
DESIGNED:	J.A.M.	CHECKED:	D.L.M.	DRAWN:	J.A.M.	DATE:	JUNE 1992
PROJECT NUMBER:	RS-0991 (3) & 75034			SHEET	4	OF	19



**BASIS OF COORDINATES AND VERTICAL CONTROL**  
 RECOVERED BRASS CAP MONUMENT  
 P.T. STATION 250+06.40  
 N. 25,244.343  
 E. 49706.816  
 ELEVATION = 32.045

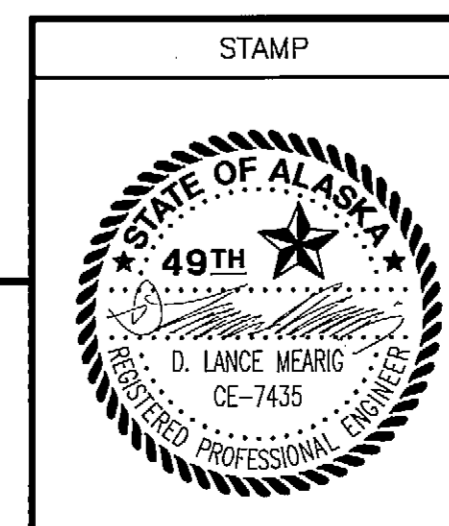
**LEGEND**

- EXISTING FENCE
- x-x- NEW CHAIN LINK FENCE
- ===== NEW GUARD RAIL
- ===== NEW GUARD RAIL WITH TIMBER BACKING OR NEW MEDIAN BEAM GUARD RAIL, SEE DETAILS ON THIS SHEET AND GUARD RAIL SUMMARY ON SHEET 3
- ===== NEW CURB & GUTTER
- ▲ NEW WHEELCHAIR RAMP (TYPICAL)
- ===== NEW PAVING LIMITS
- EXISTING POWER POLE TO REMAIN IN PLACE

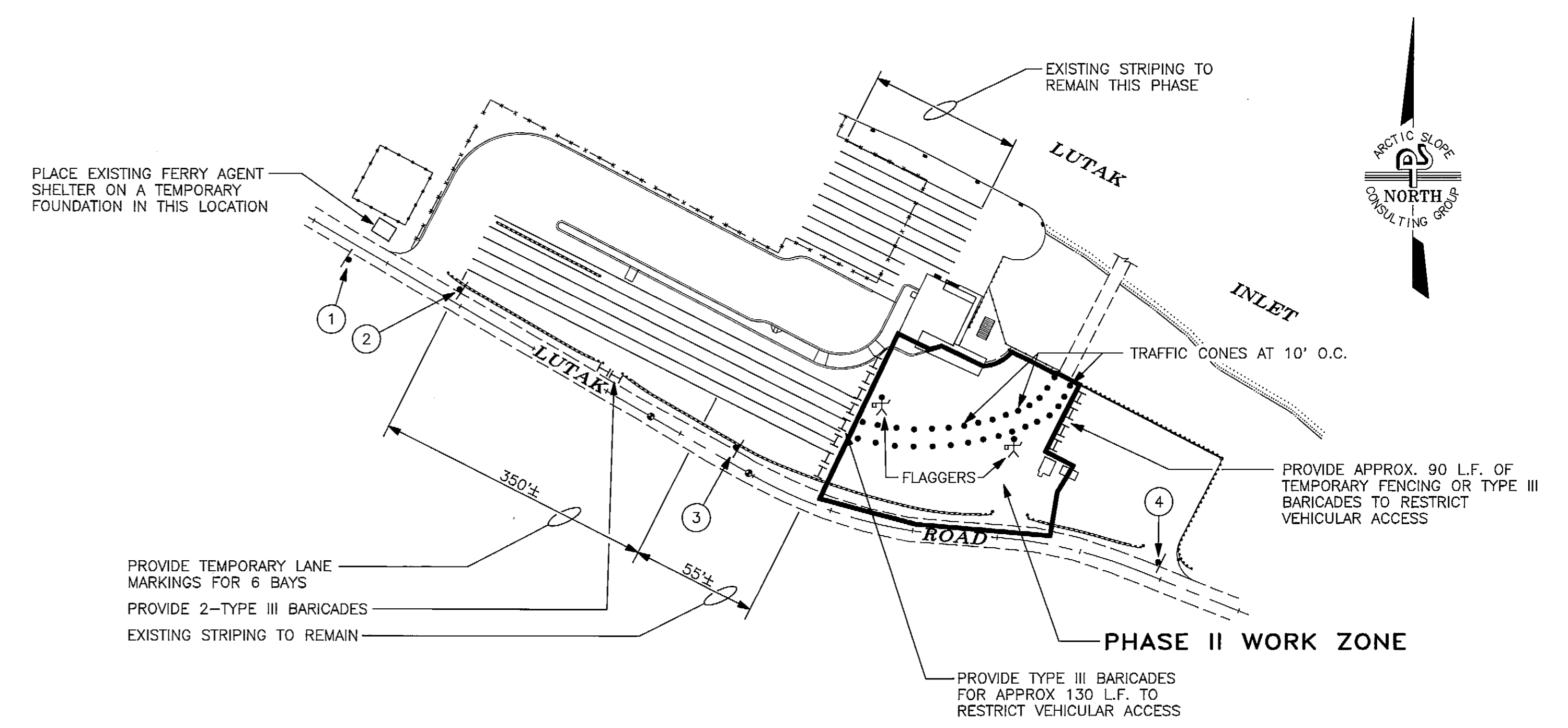
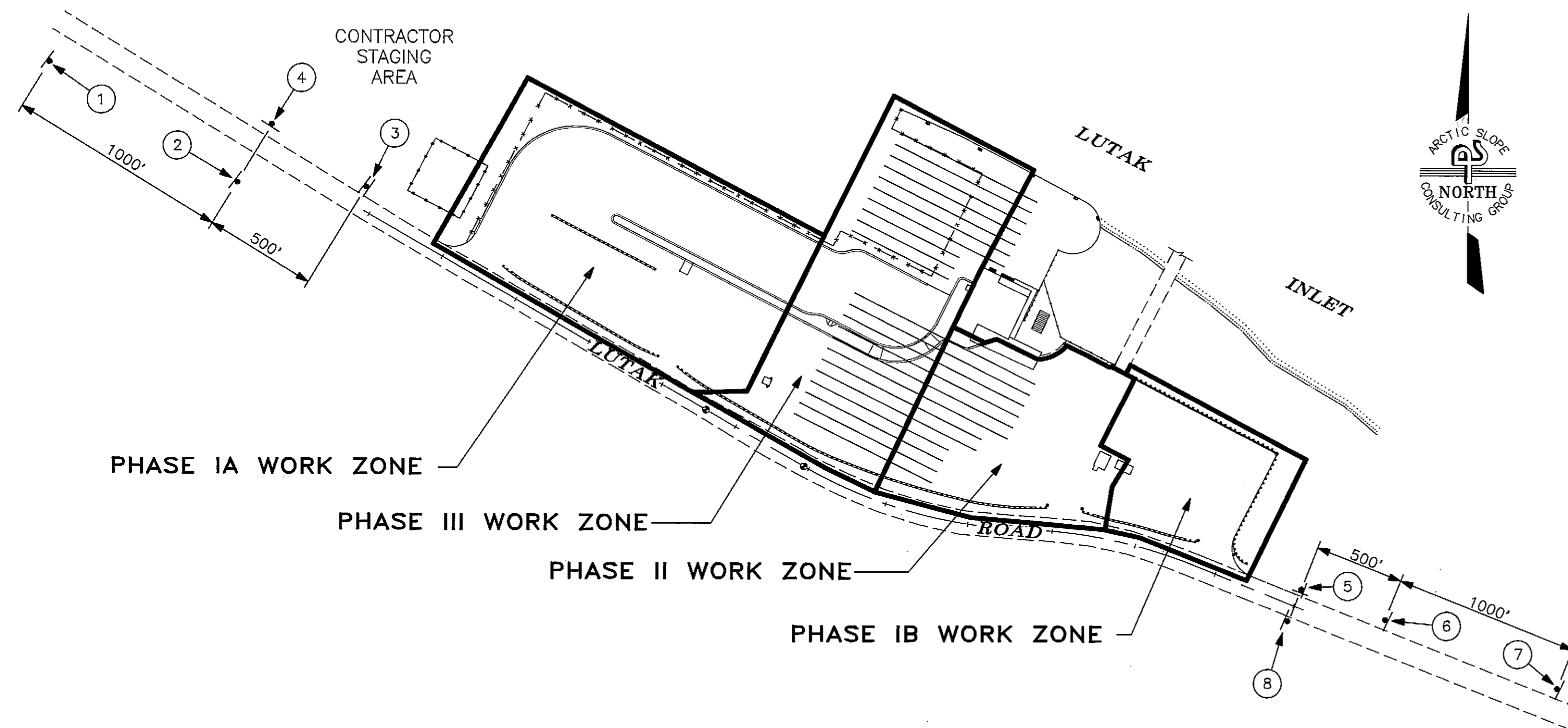
**NOTES**

1. STATIONS AND OFFSETS SHOWN ARE EITHER TO THE EDGE OF NEW PAVEMENT AT ANGLE AND/OR RADIUS POINTS, TO FENCE OR GUARD RAIL BEGINNING, END, ANGLE, AND/OR RADIUS POINTS, OR TO THE TOP BACK OF CURB AT ANGLE AND/OR RADIUS POINTS. SEE SHEET 8 FOR CORRESPONDING ELEVATIONS.
2. NEW CHAIN LINK FENCES ARE TO BE LOCATED ALONG PROPERTY LINES.
3. ALL UTILITY RELOCATES ARE TO BE PERFORMED BY OTHERS UNLESS INDICATED OTHERWISE.
4. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL BURIED UTILITIES AND OTHER STRUCTURES PRIOR TO EXCAVATION. SEE SHEET 3 FOR APPROXIMATE LOCATIONS OF BURIED UTILITIES AND STRUCTURES.

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HAINES				ALASKA			
<b>HAINES FERRY TERMINAL UPLAND IMPROVEMENTS</b>							
<b>PROPOSED LAYOUT</b>							
DESIGNED: D.L.M.	CHECKED: D.L.M.	DRAWN: J.A.M.	DATE: JUNE 1992				
PROJECT NUMBER: RS-0991 (3) & 75034		SHEET 5		OF 19			



PERMANENT CONSTRUCTION SIGN SUMMARY				
SIGN	TYPE	LEGEND	SIZE	FACING
①	CW21-3F	ROAD MACHINERY AHEAD	36 X 36	WEST
②	CW21-3A	ROAD MACHINERY 500 FT.	36 X 36	WEST
③	CW21-5	SHOULDER WORK	30 X 30	WEST
	G20-2	END CONSTRUCTION	60 X 24	EAST
④	R7-101R	NO PARKING ANYTIME	24 X 30	WEST
⑤	R7-101L	NO PARKING ANYTIME	24 X 30	SOUTH
	CW21-5	SHOULDER WORK	30 X 30	EAST
⑥	CW21-3A	ROAD MACHINERY 500 FT.	36 X 36	EAST
⑦	CW21-3F	ROAD MACHINERY AHEAD	36 X 36	EAST
⑧	G20-2	END CONSTRUCTION	60 X 24	WEST

- NOTES:**
1. ALL PERMANENT CONSTRUCTION SIGNING SHALL BE POST-MOUNTED.
  2. CONTRACTOR MAY SUPPLEMENT "NO PARKING" (R-7) SIGNS 4 AND 5 WITH R7-101'S MOUNTED ON TYPE III BARRICADES AND PLACED ON EAST ROAD SHOULDERS.


TRAFFIC CONTROL DEVICE SUMMARY		
DESCRIPTION	SYMBOL	QUANTITY
TYPE III BARRICADE (8' WIDE)	⊥	30 EACH
TRAFFIC CONE	•	50 EACH
FLAGGER	⚠	600 MAN-HR.
TRAFFIC SIGN	—	24 S.F.

PHASE II TEMPORARY SIGN SUMMARY				
SIGN	TYPE	LEGEND	SIZE	FACING
①	I-8	FERRY	24 X 30	WEST
	D-9R	→	24 X 6	WEST
②	I-8	FERRY	24 X 30	EAST
	D-9L	←	24 X 6	EAST
③	I-8	FERRY	24 X 30	EAST
	D-9A	500 FT.	24 X 6	EAST
④	I-8	FERRY	24 X 30	EAST
	D-9B	1000 FT.	24 X 6	EAST

- NOTES:**
1. CONTRACTOR MAY DELAY PHASE IB AND COMBINE WITH PHASE II, AT HIS DISCRETION.

**PHASE II TRAFFIC CONTROL DETAIL**

**PERMANENT CONSTRUCTION SIGNING AND CONSTRUCTION PHASING DETAIL**

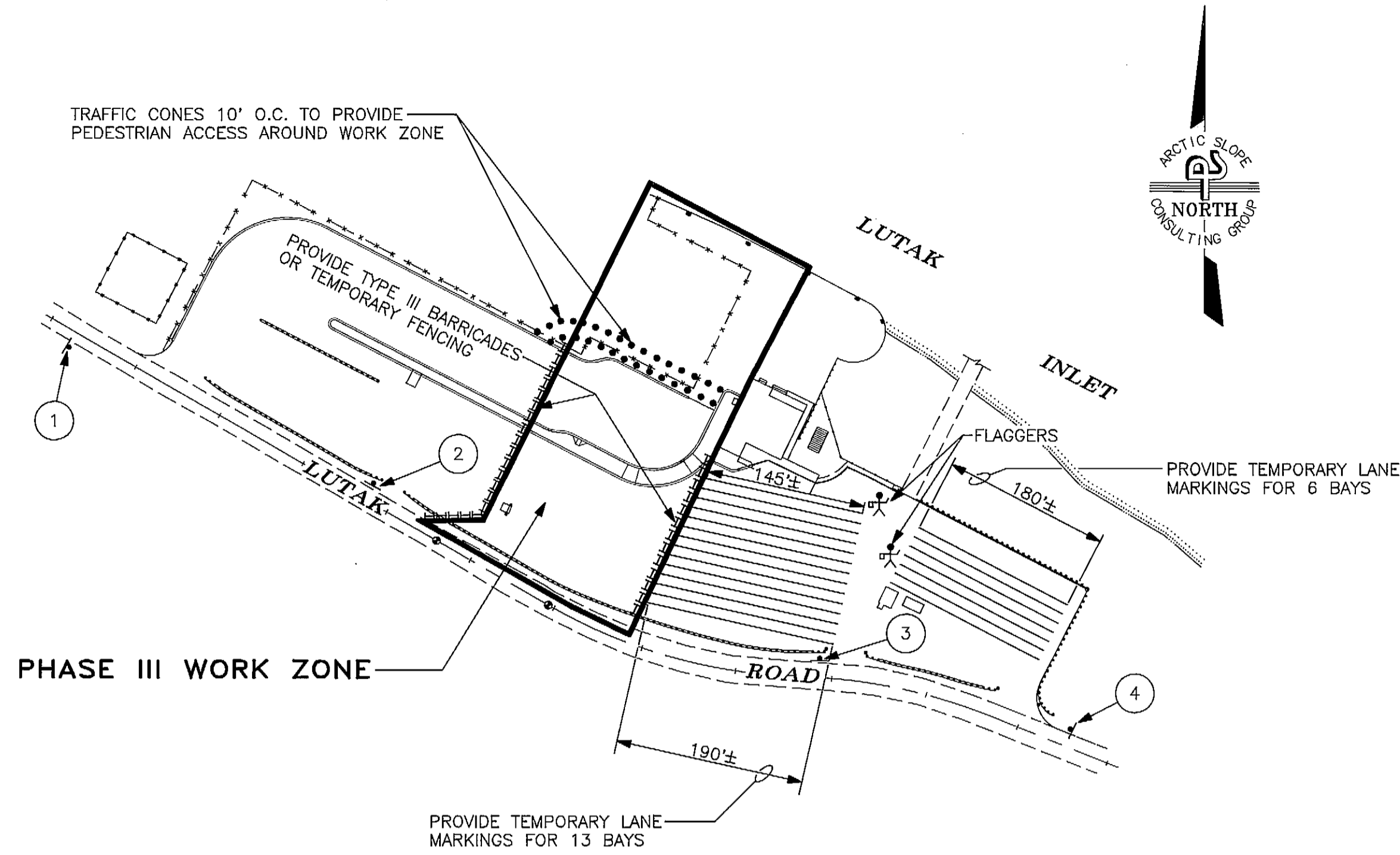
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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
HAINES		ALASKA	
HAINES FERRY TERMINAL UPLAND IMPROVEMENTS TRAFFIC CONTROL PLAN			
DESIGNED: D.I.M.	CHECKED: D.I.M.	DRAWN: J.E.M.	DATE: JUNE 1992
PROJECT NUMBER: RS-0991 (3) & 75034		SHEET 6 OF 19	

## TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL DESIGNATE, TO ONE OF HIS EMPLOYEES, THE RESPONSIBILITY OF INSTALLING AND MAINTAINING ALL REQUIRED TRAFFIC CONTROL ELEMENTS. ALL TRAFFIC CONTROL ELEMENTS SHALL BE MAINTAINED 24 HOURS PER DAY. REFER TO SECTION 114(1) OF THE SPECIFICATIONS.
2. ALL CONSTRUCTION SIGNING SHALL REMAIN IN PLACE UNTIL THE CONDITIONS WHICH THEY DELINEATE NO LONGER EXIST.
3. ONCE THE CONTRACTOR BEGINS IMPROVEMENTS THE FOLLOWING TRAFFIC CONTROLS SHALL REMAIN IN FORCE UNTIL THE PROJECT IS COMPLETED:
  - A. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS SO AS NOT TO INTERFERE WITH NORMAL SCHEDULED FERRY ACCESS OR VEHICULAR TRAFFIC TO OR FROM THE EXISTING FERRY FACILITIES.
  - B. FERRY TRAFFIC SHALL HAVE PRIORITY OVER CONSTRUCTION ACTIVITIES AND IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO COORDINATE HIS ACTIVITIES WITH FERRY ARRIVALS AND DEPARTURES.
  - C. FERRY TERMINAL PERSONNEL WILL DOCK, LINEHANDLE, STAGE TRAFFIC, AND OPERATE THE TRANSFER BRIDGE.
  - D. THE CONTRACTOR SHALL PROVIDE SAFE ACCESS AND LIGHTING FOR FERRY TERMINAL PERSONNEL TO TIE-UP POINTS AS REQUIRED THROUGHOUT THE CONTRACT.
4. THE CONTRACTOR SHALL NOT STOCKPILE ANY MATERIALS WITHIN ACTIVE STAGING AREAS WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.
5. CONSTRUCTION PHASING PLANS AND A TRAFFIC CONTROL PLAN FOR EACH PHASE OF THE PROJECT SHALL BE REQUIRED IN ACCORDANCE WITH SECTION 114(1) OF THE SPECIFICATIONS.
6. REFER TO SECTION 114(1) OF THE SPECIFICATIONS FOR THE MINIMUM NUMBER OF SIGNS AND BARRICADES TO BE PROVIDED. SIGNS SHALL SHOW ALASKA SIGN DESIGN STANDARD CODING. ALL SIGNS SHALL BE CLASS "1".
7. THE CONTRACTOR SHALL PROVIDE FLAGGERS FOR PHASE II AND PHASE III FROM 2 HOURS PRIOR TO VESSEL ARRIVAL UNTIL 1/2 HOUR AFTER VESSEL DEPARTURE. IF THE VESSEL LAYS OVER OR DOES NOT BEGIN LOADING WITHIN 1/2 HOUR PRIOR TO SCHEDULED DEPARTURE TIME THE FLAGGERS MAY BE DISMISSED UNTIL 1/2 HOUR PRIOR TO ACTUAL LOADING TIME.
8. THE CONTRACTOR SHALL DELINEATE PEDESTRIAN ACCESS WITH TRAFFIC CONES AS REQUIRED DURING CONSTRUCTION ACTIVITIES. CONE SPACING SHALL BE AT 10' MAXIMUM.
9. THE CONTRACTOR SHALL PROVIDE VEHICULAR ACCESS THRU WORK ZONES AS REQUIRED BY THE ENGINEER.
10. THE CONTRACTOR SHALL BARRICADE AND SIGN ALL DRIVEWAYS AND POTENTIAL VEHICULAR ACCESS POINTS INTO ACTIVE WORK ZONES.
11. THE CONTRACTOR SHALL MAINTAIN EXISTING FENCING AND GUARDRAIL AS NECESSARY TO RESTRICT ACCESS TO WORK ZONES FROM AREAS OF THE PARKING LOT THAT ARE OPEN TO THE PUBLIC. IF THE CONTRACTOR ELECTS TO REMOVE THE EXISTING FENCING AND GUARDRAIL, TEMPORARY FENCING OR TYPE III BARRICADES SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER.
12. CONSTRUCTION ACTIVITIES WITHIN LUTAK ROAD SHALL BE SIGNED AND SHALL BE IN ACCORDANCE WITH THE DRAWINGS, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND AS APPROVED BY THE ENGINEER.
13. THE CONTRACTOR SHALL RESERVE THE INSTALLATION OF THE NEW GUARDRAIL ALONG LUTAK ROAD UNTIL ALL PAVING OPERATIONS ARE COMPLETE AND SHALL CONSTRUCT TEMPORARY DRIVEWAYS ALONG LUTAK ROAD AS NECESSARY TO PROVIDE ACCESS AND CIRCULATION WITHIN THE PARKING LOT.
14. ALL TEMPORARY SIGNS SHALL BE MOUNTED ON TYPE III BARRICADES.



PHASE III WORK ZONE


TRAFFIC CONTROL DEVICE SUMMARY		
DESCRIPTION	SYMBOL	QUANTITY
TYPE III BARRICADE (8' WIDE)	H	60 EACH
TRAFFIC CONE	•	35 EACH
FLAGGER	⚠	600 MAN-HR.
TRAFFIC SIGN	T	25 S.F.

PHASE III TEMPORARY SIGN SUMMARY				
SIGN	TYPE	LEGEND	SIZE	FACING
①	I-8	FERRY	24 X 30	WEST
	D-9B	1000 FT.	24 X 6	WEST
②	R5-1	DO NOT ENTER	36 X 36	SOUTH
③	I-8	FERRY	24 X 30	WEST
	D-9L	←	24 X 6	WEST
④	I-8	FERRY	24 X 30	EAST
	D-9R	→	24 X 6	EAST

### PHASE III TRAFFIC CONTROL DETAIL

*AS-BUILT*

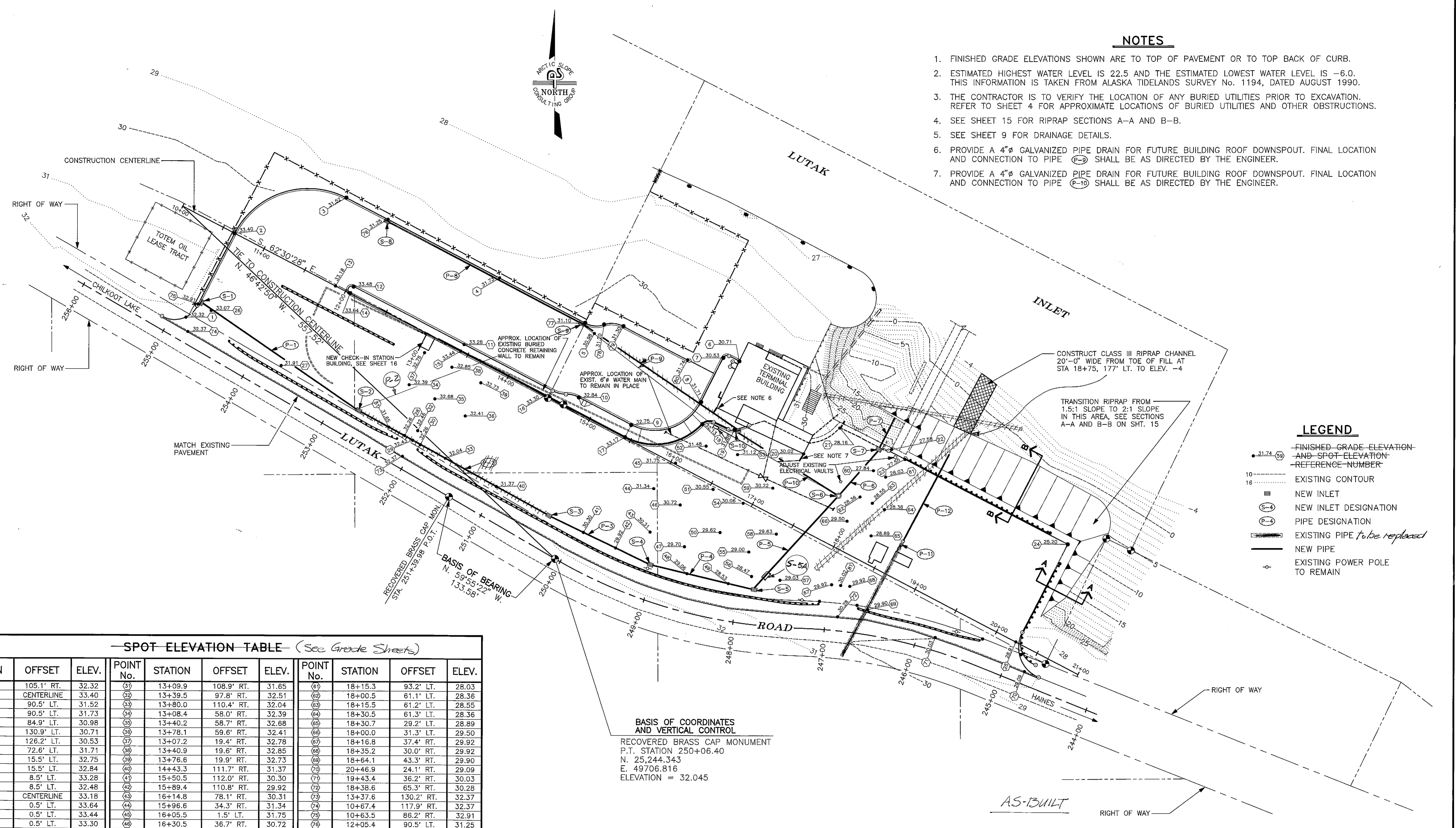
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	HAINES	ALASKA	
<b>HAINES FERRY TERMINAL UPLAND IMPROVEMENTS</b>			
<b>TRAFFIC CONTROL PLAN</b>			
DESIGNED: D.L.M.	CHECKED: D.L.M.	DRAWN: J.E.M.	DATE: JUNE 1992
PROJECT NUMBER: RS-0991 (3) & 75034		SHEET 7 OF 19	



**NOTES**

1. FINISHED GRADE ELEVATIONS SHOWN ARE TO TOP OF PAVEMENT OR TO TOP BACK OF CURB.
2. ESTIMATED HIGHEST WATER LEVEL IS 22.5 AND THE ESTIMATED LOWEST WATER LEVEL IS -6.0. THIS INFORMATION IS TAKEN FROM ALASKA TIDELANDS SURVEY No. 1194, DATED AUGUST 1990.
3. THE CONTRACTOR IS TO VERIFY THE LOCATION OF ANY BURIED UTILITIES PRIOR TO EXCAVATION. REFER TO SHEET 4 FOR APPROXIMATE LOCATIONS OF BURIED UTILITIES AND OTHER OBSTRUCTIONS.
4. SEE SHEET 15 FOR RIPRAP SECTIONS A-A AND B-B.
5. SEE SHEET 9 FOR DRAINAGE DETAILS.
6. PROVIDE A 4"Ø GALVANIZED PIPE DRAIN FOR FUTURE BUILDING ROOF DOWNSPOUT. FINAL LOCATION AND CONNECTION TO PIPE (P-9) SHALL BE AS DIRECTED BY THE ENGINEER.
7. PROVIDE A 4"Ø GALVANIZED PIPE DRAIN FOR FUTURE BUILDING ROOF DOWNSPOUT. FINAL LOCATION AND CONNECTION TO PIPE (P-10) SHALL BE AS DIRECTED BY THE ENGINEER.



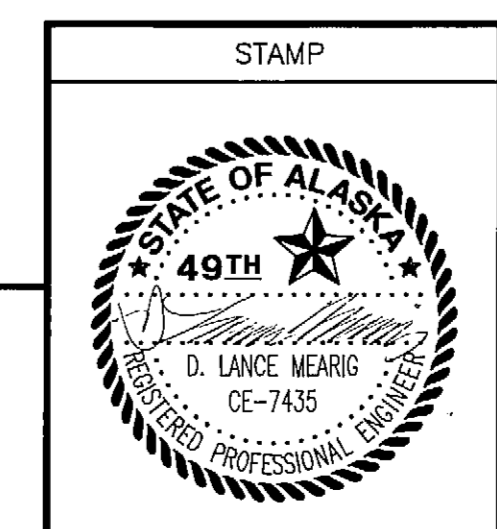
**LEGEND**

- 31.74 (69) FINISHED GRADE ELEVATION AND SPOT ELEVATION REFERENCE NUMBER
- 10 --- EXISTING CONTOUR
- 16 --- EXISTING CONTOUR
- ▭ NEW INLET
- ▭ NEW INLET DESIGNATION
- (P-4) PIPE DESIGNATION
- ▭ EXISTING PIPE TO BE REPLACED
- ▭ NEW PIPE
- EXISTING POWER POLE TO REMAIN

**-SPOT ELEVATION TABLE- (See Grade Sheets)**

POINT No.	STATION	OFFSET	ELEV.	POINT No.	STATION	OFFSET	ELEV.	POINT No.	STATION	OFFSET	ELEV.
(1)	10+58.3	105.1' RT.	32.32	(31)	13+09.9	108.9' RT.	31.65	(61)	18+15.3	93.2' LT.	28.03
(2)	10+63.5	CENTERLINE	33.40	(32)	13+39.5	97.8' RT.	32.51	(62)	18+00.5	61.1' LT.	28.36
(3)	11+54.0	90.5' LT.	31.52	(33)	13+80.0	110.4' RT.	32.04	(63)	18+15.5	61.2' LT.	28.55
(4)	13+42.4	90.5' LT.	31.73	(34)	13+08.4	58.0' RT.	32.39	(64)	18+30.5	61.3' LT.	28.36
(5)	14+61.6	84.9' LT.	30.98	(35)	13+40.2	58.7' RT.	32.68	(65)	18+30.7	29.2' LT.	28.89
(6)	16+15.9	130.9' LT.	30.71	(36)	13+78.1	59.6' RT.	32.41	(66)	18+00.0	31.3' LT.	29.50
(7)	15+98.6	126.2' LT.	30.53	(37)	13+07.2	19.4' RT.	32.78	(67)	18+16.8	37.4' RT.	29.92
(8)	15+99.2	72.6' LT.	31.71	(38)	13+40.9	19.6' RT.	32.85	(68)	18+35.2	30.0' RT.	29.92
(9)	15+43.0	15.5' LT.	32.75	(39)	13+76.6	19.9' RT.	32.73	(69)	18+64.1	43.3' RT.	29.90
(10)	14+78.6	15.5' LT.	32.84	(40)	14+43.3	111.7' RT.	31.37	(70)	20+46.9	24.1' RT.	29.09
(11)	13+24.3	8.5' LT.	33.28	(41)	15+50.5	112.0' RT.	30.30	(71)	19+43.4	36.2' RT.	30.03
(12)	12+05.4	8.5' LT.	32.48	(42)	15+89.4	110.8' RT.	29.92	(72)	18+38.6	65.3' RT.	30.28
(13)	11+87.6	CENTERLINE	33.18	(43)	16+14.8	78.1' RT.	30.31	(73)	13+37.6	130.2' RT.	32.37
(14)	12+05.4	0.5' LT.	33.64	(44)	15+96.6	34.3' RT.	31.34	(74)	10+67.4	117.9' RT.	32.37
(15)	13+41.2	0.5' LT.	33.44	(45)	16+05.5	1.5' LT.	31.75	(75)	10+63.5	86.2' RT.	32.91
(16)	14+45.1	0.5' LT.	33.30	(46)	16+30.5	36.7' RT.	30.72	(76)	12+05.4	90.5' LT.	31.25
(17)	15+43.0	0.5' LT.	33.17	(47)	16+55.4	74.9' RT.	29.70	(77)	14+47.4	90.5' LT.	31.10
(18)	16+11.4	52.1' LT.	32.13	(48)	16+71.4	99.4' RT.	29.06	(78)	14+66.4	98.4' LT.	31.20
(19)	16+45.4	62.8' LT.	31.86	(49)	17+16.2	88.3' RT.	28.26	(79)	14+86.1	106.5' LT.	31.30
(20)	17+24.3	74.4' LT.	30.02	(50)	16+82.8	43.4' RT.	29.62	(80)	15+65.2	106.5' LT.	31.74
(21)	17+46.4	117.4' LT.	28.16	(51)	16+54.4	5.2' RT.	30.55	(81)	18+26.0	33.7' RT.	30.02
(22)	18+07.2	122.8' LT.	27.58	(52)	16+26.0	32.9' LT.	31.48				
(23)	18+25.0	120.0' LT.	27.55	(53)	16+60.6	40.4' LT.	31.12				
(24)	20+25.0	120.0' LT.	25.20	(54)	16+90.4	3.6' RT.	30.06				
(25)	20+23.7	CENTERLINE	28.91	(55)	17+20.2	47.7' RT.	29.00				
(26)	10+79.5	85.9' RT.	33.07	(56)	17+35.1	69.7' RT.	28.47				
(27)	11+74.7	103.7' RT.	31.91	(57)	17+64.5	59.1' RT.	29.03				
(28)	13+29.3	109.1' RT.	32.36	(58)	17+38.0	16.6' RT.	29.63				
(29)	13+39.4	109.5' RT.	32.46	(59)	17+11.5	25.9' LT.	30.22				
(30)	13+49.1	110.0' RT.	32.36	(60)	18+00.3	93.1' LT.	27.84				

**BASIS OF COORDINATES AND VERTICAL CONTROL**  
 RECOVERED BRASS CAP MONUMENT  
 P.T. STATION 250+06.40  
 N. 25,244.343  
 E. 49706.816  
 ELEVATION = 32.045



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STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

HAINES ALASKA  
**HAINES FERRY TERMINAL UPLAND IMPROVEMENTS**  
**GRADING AND DRAINAGE**

DESIGNED: D.L.M. CHECKED: D.L.M. DRAWN: J.A.M. DATE: JUNE 1992  
 PROJECT NUMBER: RS-0991 (3) & 75034 SHEET 8 OF 19







SIGNING SUMMARY

SIGN NUMBER	STATION	OFFSET	CODE No.	LEGEND	SIZE INCHES	AREA SQ. FT.	FACING DIRECTION	No. OF POSTS	POST LENGTH	REMARKS
1	10+49	110.56' RT.	R1-1	STOP	30 x 30	6.25	NORTH	1	13'-0"	
2	10+35	148.68' RT.	I-8	FERRY (GRAPHIC SYMBOL)	30 x 24	5	WEST	1	13'-6"	
3	10+35	148.68' RT.	D9-L	←	24 x 6	1	WEST	1		MOUNT BELOW SIGN No. 2
4	11+29	114.80' RT.	I-8	FERRY (GRAPHIC SYMBOL)	30 x 24	5	EAST	1	13'-6"	
5	11+29	114.80' RT.	D9-R	→	24 x 6	1	EAST	1		MOUNT BELOW SIGN No. 4
6	12+97	157.10' RT.	R6-1R	ONE WAY →	36 x 12	3	WEST	1	11'-0"	
7	12+97	157.10' RT.	R6-1L	← ONE WAY	36 x 12	3	EAST	1		MOUNT ON SAME POST AS SIGN No. 6
8	13+07	122.98' RT.	R1-1	STOP	30 x 30	6.25	NORTH	1	13'-0"	
9	13+67	125.29' RT.	R6-1R	ONE WAY →	36 x 12	3	WEST	1	11'-0"	
10	13+67	125.29' RT.	R6-1L	← ONE WAY	36 x 12	3	EAST	1		MOUNT ON SAME POST AS SIGN No. 9
11	17+95	76.94' RT.	R1-1	STOP	30 x 30	6.25	NORTH	1	13'-0"	
12	18+23	106.31' RT.	R6-1R	ONE WAY →	36 x 12	3	WEST	1	11'-0"	
13	18+23	106.31' RT.	R6-1L	← ONE WAY	36 x 12	3	EAST	1		MOUNT ON SAME POST AS SIGN No. 12
14	18+52	95.36' RT.	D1-3A	HAINES CANADIAN BORDER 45 CHILKOOT LAKE 5	126 x 36	31.5	NORTH	2	2 POSTS 13'-6" EA.	
15	18+71	48.71' RT.	R6-1R	ONE WAY →	36 x 12	3	WEST	1	11'-0"	
16	18+71	48.71' RT.	R6-1L	← ONE WAY	36 x 12	3	EAST	1		MOUNT ON SAME POST AS SIGN No. 15
17	19+72	27.02' RT.	R1-1	STOP	30 x 30	6.25	NORTH	1	13'-0"	
18	20+39	11.71' RT.	R5-4	COMMERCIAL VEHICLES ONLY	24 x 30	5	SOUTH	1	13'-0"	
19	20+67	16.81' RT.	D1-3	FERRY TERMINAL STAGING AREA 1/4 MILE	102 x 36	25.5	EAST	2	2 POSTS 13'-6" EA.	
20	10+98	22.70' RT.	D1-2	TO TERMINAL TO SHIP STAGING	108 x 24	18	SOUTH	2	2 POSTS 12'-6" EA.	
21	11+24	21.16' LT.	R1-2	YIELD	36 x 36	9	WEST	1	13'-6"	
22	11+29	5.30' LT.	D1-2	TO SHIP STAGING	66 x 24	11	EAST	2	2 POSTS 12'-6" EA.	
23	11+36	27.00' RT.	D1-2	VEHICLE CHECK-IN	72 x 24	12	WEST	2	2 POSTS 12'-6" EA.	
24	12+66	27.00' RT.	R1-1	STOP	30 x 30	6.25	WEST	1	13'-0"	
25	12+66	1.00' LT.	R1-1	STOP	30 x 30	6.25	WEST	1	13'-0"	
26	11+22	40.08' LT.	R3-1L	NO LEFT TURN	30 x 30	6.25	WEST	1	14'-6"	
27	11+22	40.08' LT.	R5-1	DO NOT ENTER	36 x 36	9	EAST	1		MOUNT ON SAME POST AS SIGN No. 26
28	11+94	58.00' LT.	R7-108R	2 HOUR PARKING MOTORHOMES AND TRAILERS ONLY	18 x 30	4.5	SOUTH	1	13'-6"	
29	12+06	8.00' LT.	R7-5L	TWO HOUR PARKING	12 x 18	1.5	NORTH	1	13'-0"	
30	13+29	92.41' LT.	D1-2	RIGHT LANE EXIT ONLY	66 x 24	11	EAST	2	12'-0"	
31	13+29	58.00' LT.	D1-2	LEFT LANE SHIP STAGING ONLY	102 x 24	17	EAST	2	2 POSTS 12'-6" EA.	
32	14+74	58.00' LT.	R7-108L	2 HOUR PARKING MOTORHOMES AND TRAILERS ONLY	18 x 30	4.5	SOUTH	1	2 POSTS 12'-6" EA.	
33	14+18	8.00' LT.	R7-5R	TWO HOUR PARKING	12 x 18	1.5	NORTH	1	13'-0"	
34	14+33	8.00' LT.	R7-8	RESERVED PARKING	12 x 18	1.5	NORTH	1	12'-0"	
35	14+54	8.17' LT.	R7-8	RESERVED PARKING	12 x 18	1.5	NORTH	1	12'-0"	
36	14+96	15.00' LT.	R7-106L	NO PARKING LOADING ZONE	12 x 18	1.5	NORTH	1	12'-0"	
37	15+98	57.11' LT.	R7-106RL	NO PARKING LOADING ZONE	12 x 18	1.5	NORTH	1	12'-0"	
38	15+99	96.64' LT.	R7-106R	NO PARKING LOADING ZONE	12 x 18	1.5	NORTH	1	12'-0"	
39	15+99	118.73' LT.	R5-1	DO NOT ENTER	36 x 36	9	SOUTH	1	13'-6"	
40	15+70	118.20' LT.	R5-1	DO NOT ENTER	36 x 36	9	SOUTH	1	13'-6"	
41				DO NOT ENTER	4 x 36	1	SOUTH	1		MOUNT ON NEW GATE, SEE SHEET X FOR DETAILS
42				DO NOT ENTER	4 x 36	1	SOUTH	1		MOUNT ON NEW GATE, SEE SHEET X FOR DETAILS
43				DO NOT ENTER	4 x 36	1	SOUTH	1		MOUNT ON NEW GATE, SEE SHEET X FOR DETAILS
44				DO NOT ENTER	4 x 36	1	SOUTH	1		MOUNT ON NEW GATE, SEE SHEET X FOR DETAILS


SIGNING SUMMARY

SIGN NUMBER	STATION	OFFSET	CODE No.	LEGEND	SIZE INCHES	AREA SQ. FT.	FACING DIRECTION	No. OF POSTS	POST LENGTH	REMARKS
45	12+15	114.15 RT.	R8-3	NO PARKING	24 x 30	5	WEST	1	13'-0"	
46	12+15	114.15 RT.	R8-3	NO PARKING	24 x 30	5	EAST	1		MOUNT ON SAME POST AS SIGN No. 45
47	14+64	121.54' RT.	R8-3	NO PARKING	24 x 30	5	WEST	1	13'-0"	
48	14+64	121.54' RT.	R8-3	NO PARKING	24 x 30	5	EAST	1		MOUNT ON SAME POST AS SIGN No. 47
49	15+95	121.66' RT.	R8-3	NO PARKING	24 x 30	5	WEST	1	13'-0"	
50	15+95	121.66' RT.	R8-3	NO PARKING	24 x 30	5	EAST	1		MOUNT ON SAME POST AS SIGN No. 49
51	17+41	91.61' RT.	R8-3	NO PARKING	24 x 30	5	WEST	1	13'-0"	
52	17+41	91.61' RT.	R8-3	NO PARKING	24 x 30	5	EAST	1		MOUNT ON SAME POST AS SIGN No. 51
53	19+24	30.92' RT.	R8-3	NO PARKING	24 x 30	5	WEST	1	13'-0"	
54	19+24	30.92' RT.	R8-3	NO PARKING	24 x 30	5	EAST	1		MOUNT ON SAME POST AS SIGN No. 53
55	15+50	109' LT.	R8-3	NO PARKING	18x24	3	EAST	1	10'-0"	


SIGNING NOTES

- STATIONS AND OFFSETS AS GIVEN ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR FIELD REVISIONS AS DIRECTED BY THE ENGINEER.
- ALL SIGNS SHALL BE CLASS "T". SIGNS WITH A WIDTH LESS THAN 54" SHALL BE ON 0.080" THICK SHEET ALUMINUM AND SHALL BE UNFRAMED, SIGNS WITH A WIDTH GREATER THAN 54" SHALL BE ON 0.125" THICK SHEET ALUMINUM AND SHALL BE FRAMED. SEE STANDARD DRAWING S-00.00 FOR DETAILS.
- ALL SIGN POSTS SHALL BE OF 2" PERFORATED STEEL TUBING AND SHALL HAVE A SLEEVE TYPE SOIL EMBEDMENT. SEE STANDARD DRAWING S-30.01 FOR DETAILS.
- CODE NUMBER GIVEN REFERS TO A STANDARD FROM THE ALASKA SIGN DESIGN SPECIFICATIONS.

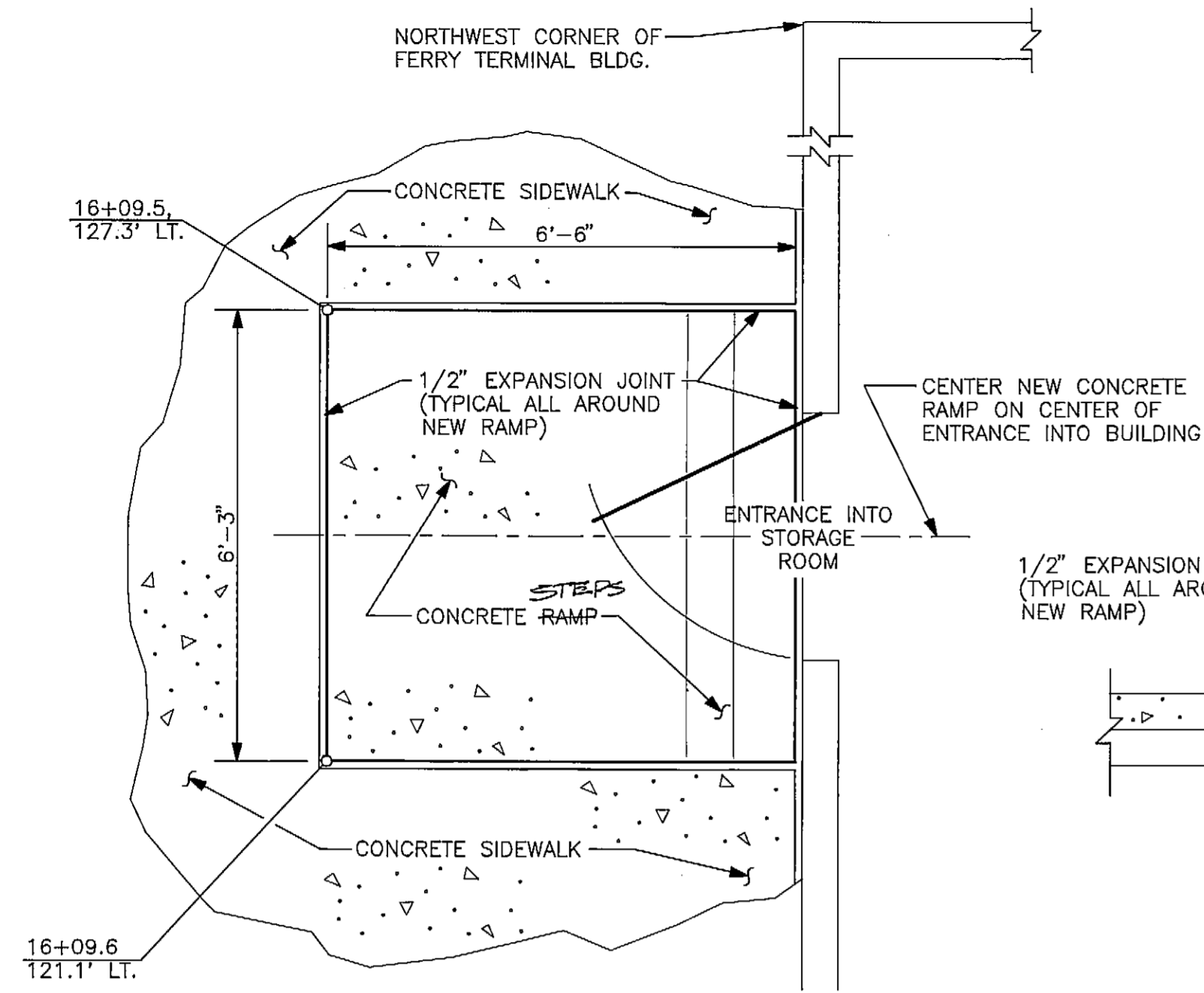
AS-BUILT

STAMP		DO NOT SCALE FROM THESE DRAWINGS - USE DIMENSIONS			
		STATE OF ALASKA			
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
		HAINES ALASKA			
		HAINES FERRY TERMINAL UPLAND IMPROVEMENTS			
		SIGNING SCHEDULE			
DESIGNED:	D.L.M.	CHECKED:	D.L.M.	DRAWN:	J.E.M.
DATE:	JUNE 1992				
PROJECT NUMBER:	RS-0991 (3) & 75034		SHEET	11	OF 19

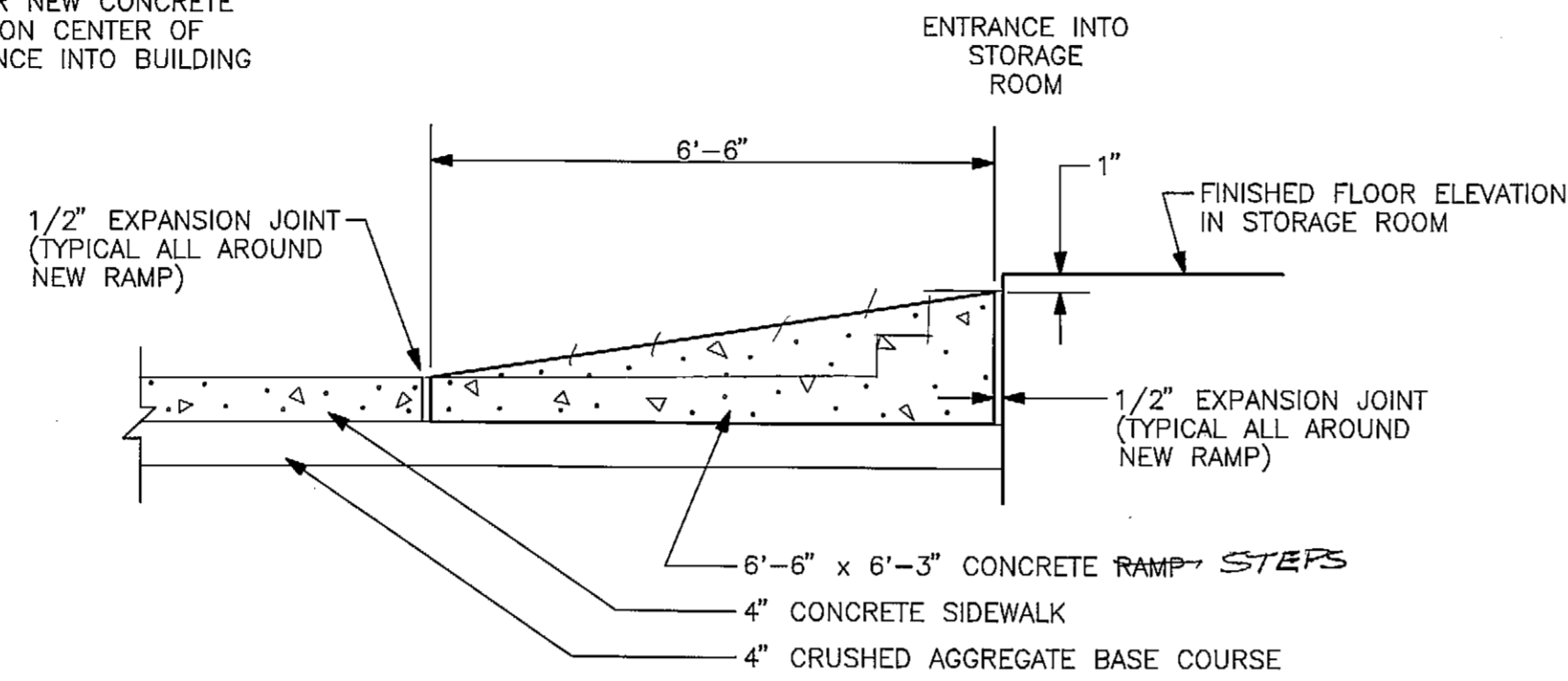
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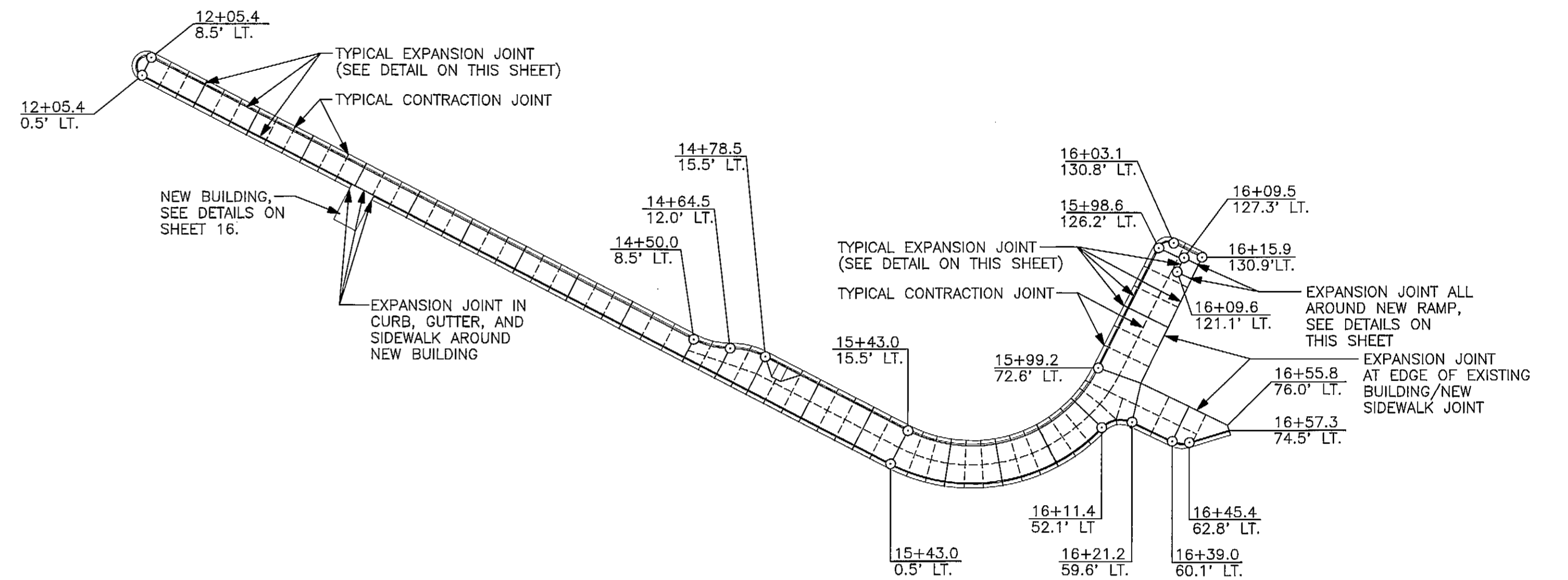


PLAN



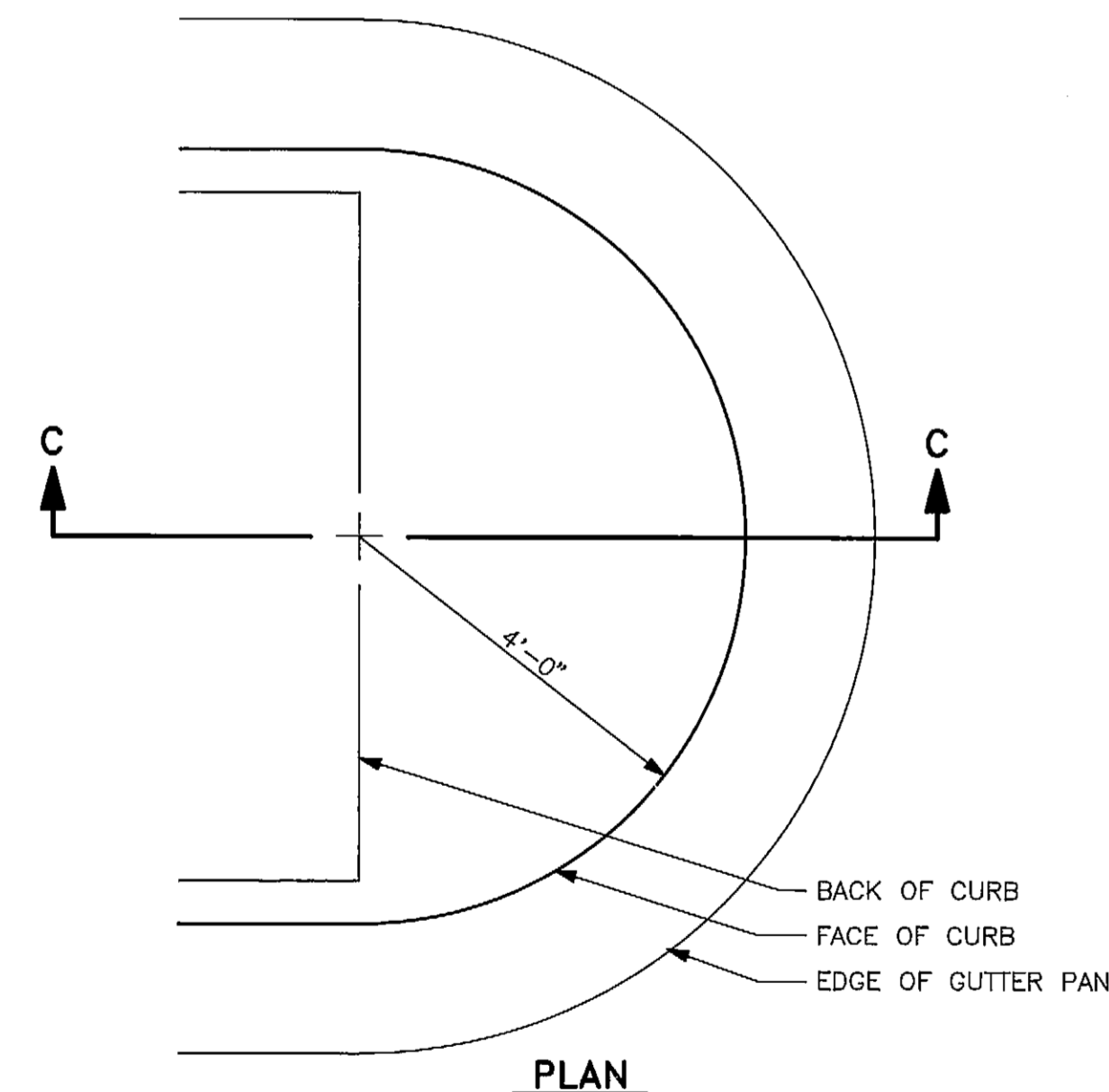
SECTION

STEPS  
CONCRETE RAMP DETAILS

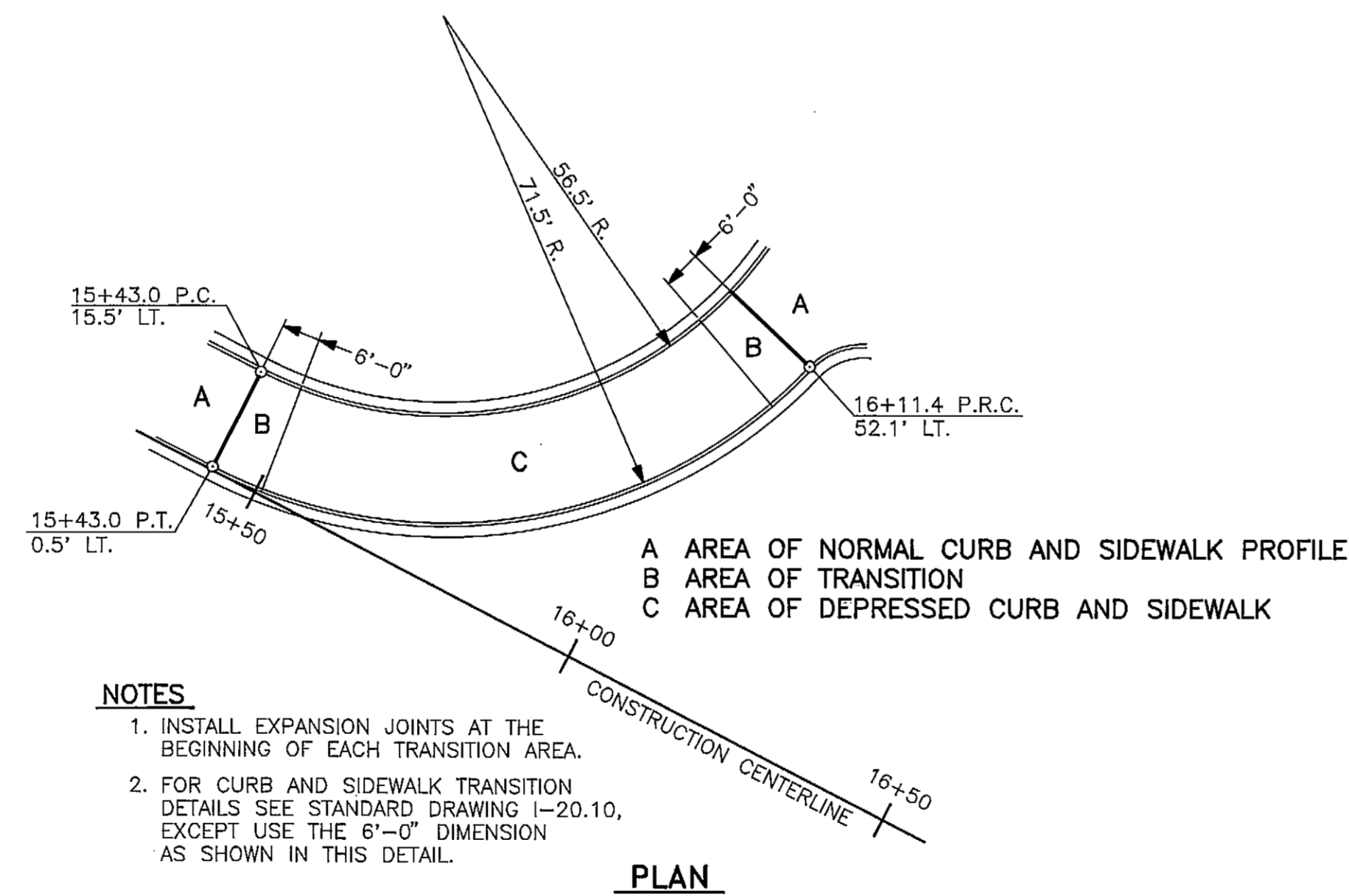


- 1/2" EXPANSION JOINT SPACING NOT TO EXCEED 24'-0" WITH 2 CONTRACTION JOINTS EQUALLY SPACED BETWEEN THEM.
- SIDEWALK WIDTHS OVER 8'-0" SHALL HAVE A LONGITUDINAL CONTRACTION JOINT AS SHOWN.
- 1/2" EXPANSION JOINTS SHALL BE PLACED AT THE BEGINNING AND END OF ALL CURB RETURNS, BETWEEN THE BACK OF CURB AND THE EDGE OF SIDEWALK, SURROUNDING ALL WHEELCHAIR RAMPS, AND AT THE NEW SIDEWALK/EXISTING BUILDING JOINT.
- EXPANSION AND CONTRACTION JOINTS SHALL BE EVENLY SPACED RADIALLY AROUND LARGE CURB AND SIDEWALK RADII.

SIDEWALK EXPANSION & CONTRACTION JOINT DETAILS



PLAN

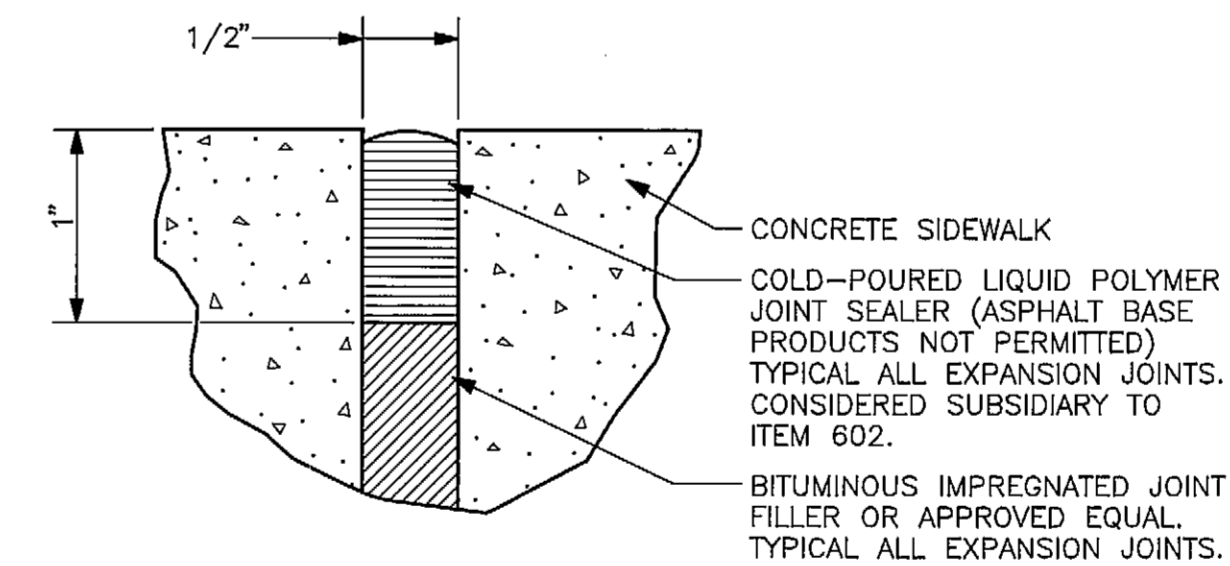


NOTES

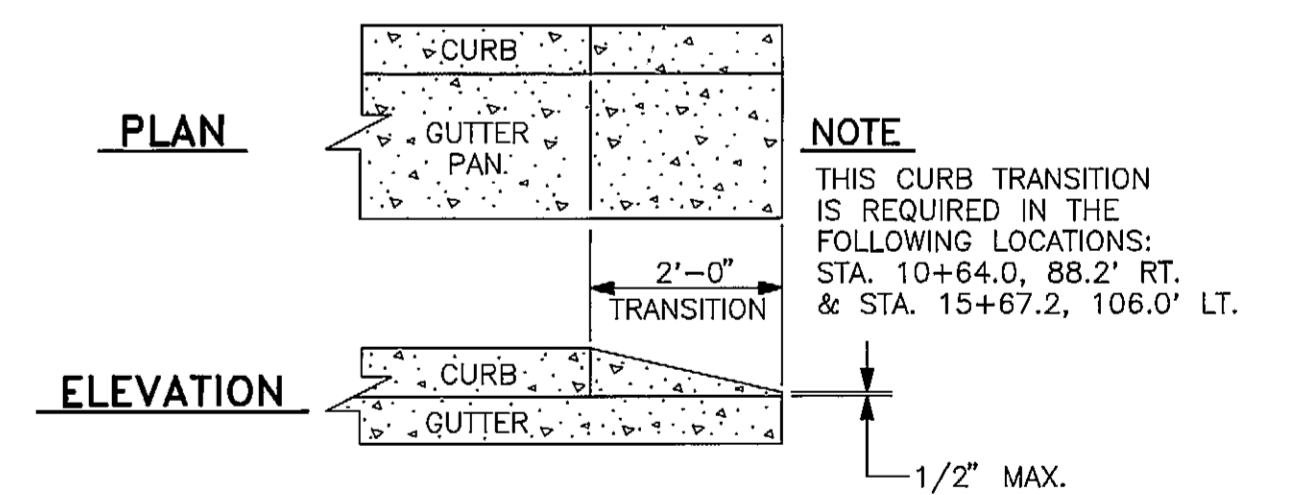
- INSTALL EXPANSION JOINTS AT THE BEGINNING OF EACH TRANSITION AREA.
- FOR CURB AND SIDEWALK TRANSITION DETAILS SEE STANDARD DRAWING 1-20.10, EXCEPT USE THE 6'-0" DIMENSION AS SHOWN IN THIS DETAIL.

PLAN

DEPRESSED CURB & SIDEWALK DETAIL



TYPICAL EXPANSION JOINT



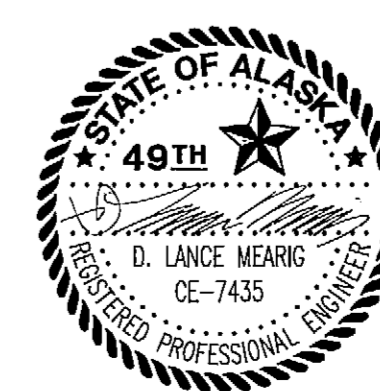
CURB TRANSITION DETAIL

AS-BUILT

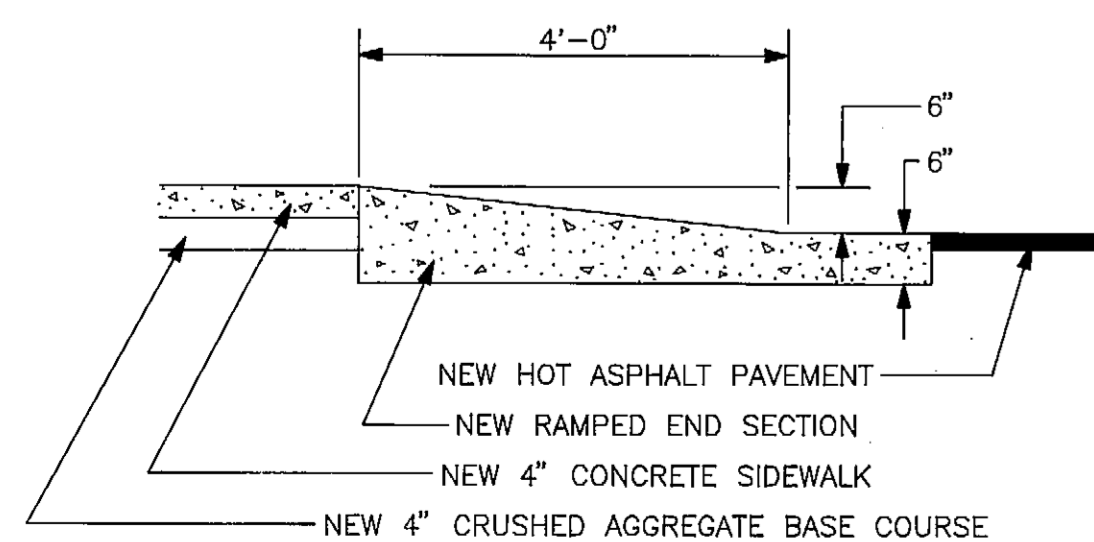
STAMP		DO NOT SCALE FROM THESE DRAWINGS - USE DIMENSIONS	
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
HAINES		ALASKA	
HAINES FERRY TERMINAL UPLAND IMPROVEMENTS			
SIDEWALK DETAILS			
DESIGNED: D.L.M.	CHECKED: D.L.M.	DRAWN: J.E.M.	DATE: JUNE 1992
PROJECT NUMBER: RS-0991 (3) & 75034		SHEET 12 OF 19	

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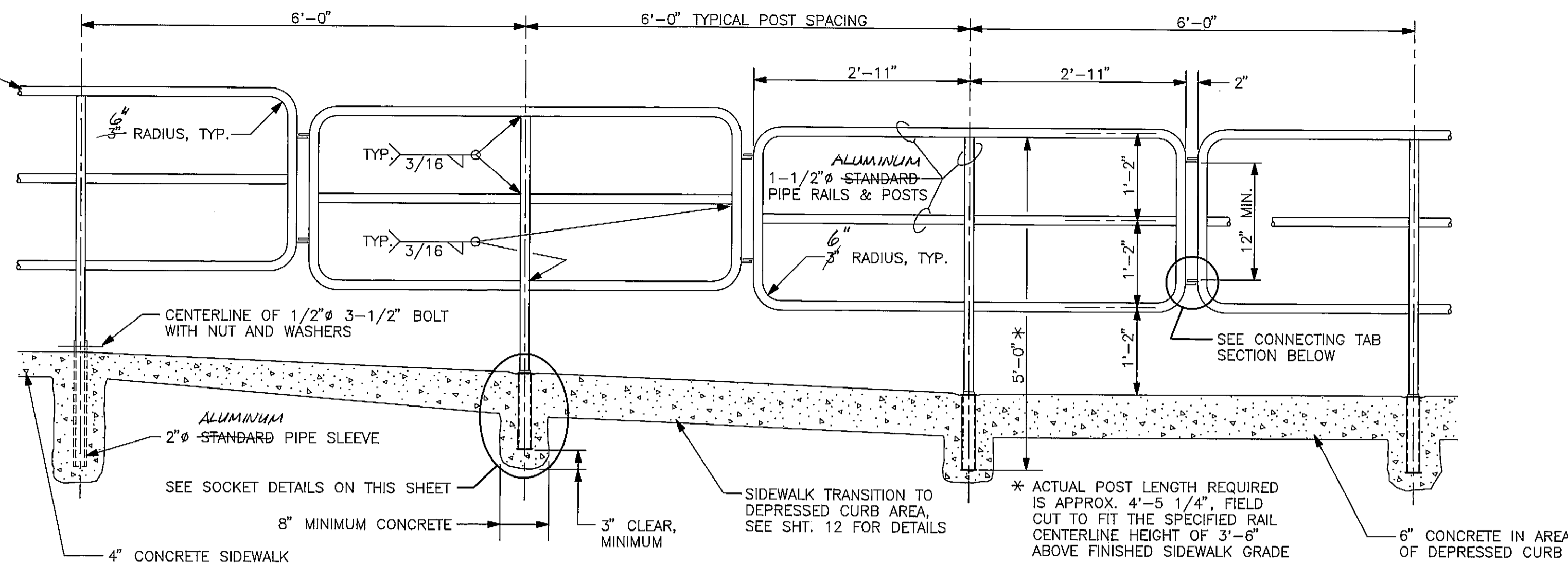
SIDEWALK NOSE DETAILS



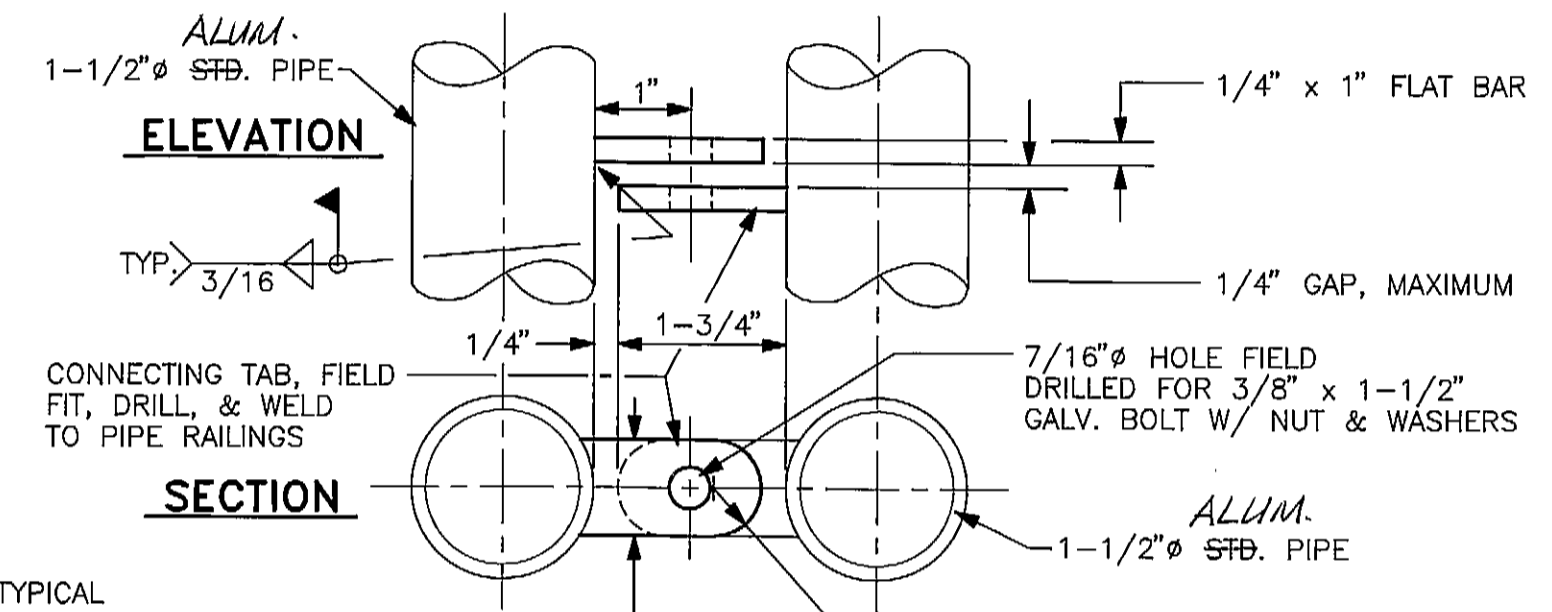
SECTION C-C

NOTE:  
THIS TYPE OF HAND RAIL END SECTION IS REQUIRED AT TWO LOCATIONS;  
15+43.0, 1' LEFT AND  
16+10.9, 52.1' LEFT

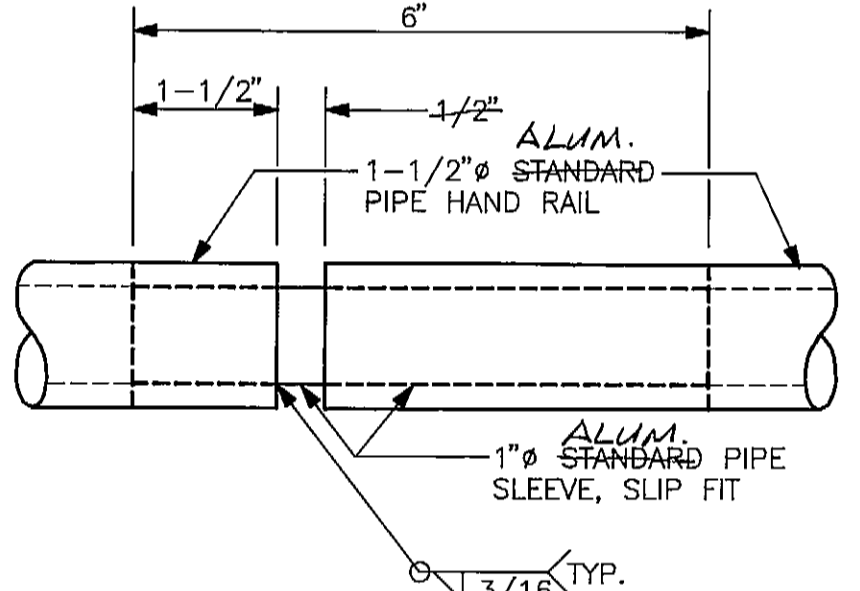
NOTE:  
AFTER CONSTRUCTION AND INSTALLATION OF THE REMOVABLE PIPE HAND RAILS, INCLUDING INSTALLATION OF THE CONNECTING TABS AND BOLTS, THE CONTRACTOR SHALL PERMANENTLY MARK EACH SEGMENT SEQUENTIALLY TO FACILITATE RE-INSTALLATION.



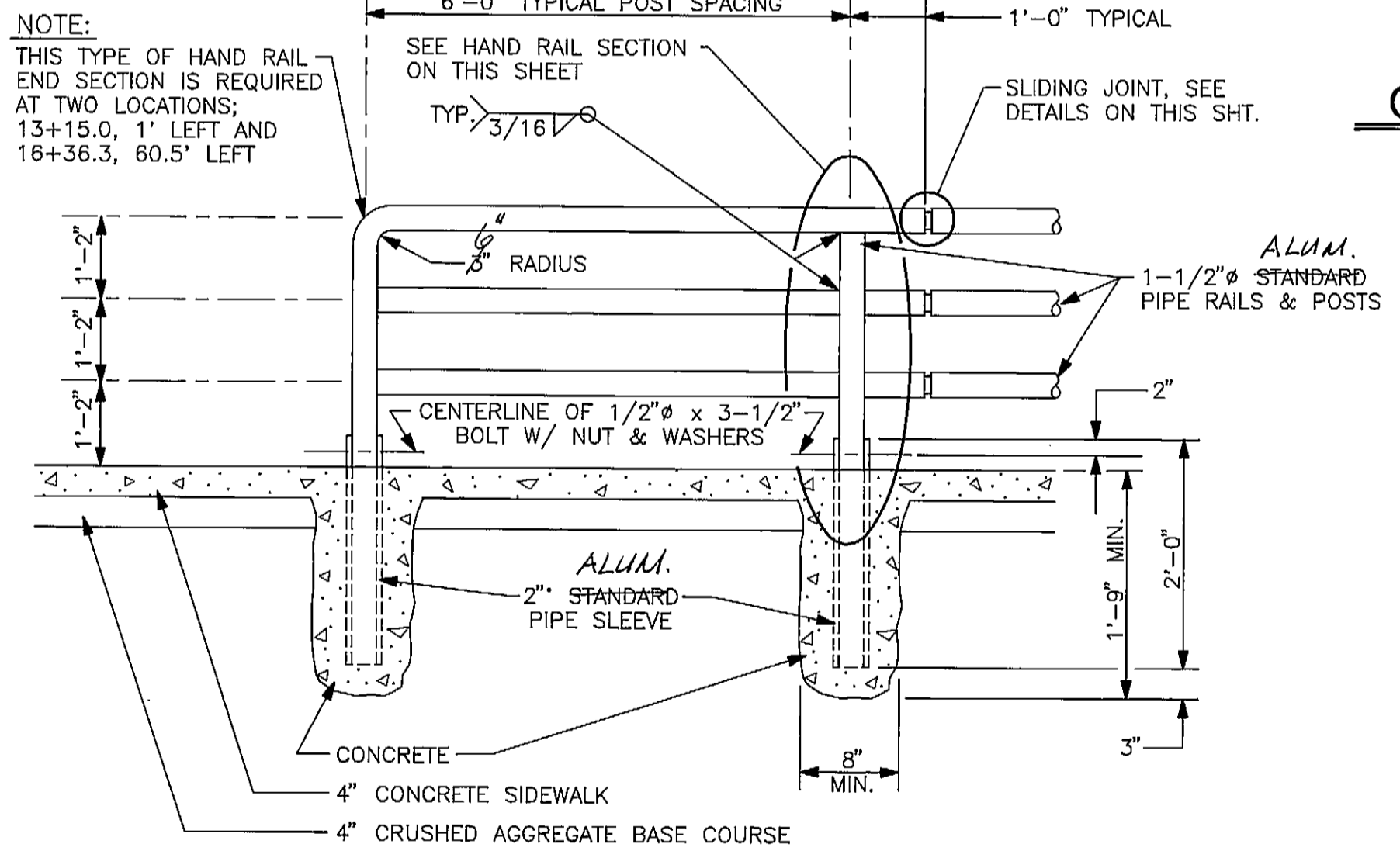
**ALUM. HAND RAIL TO REMOVABLE PIPE HAND RAIL TRANSITION DETAIL**  
TYPICAL AT EACH END OF REMOVABLE PIPE HANDRAIL



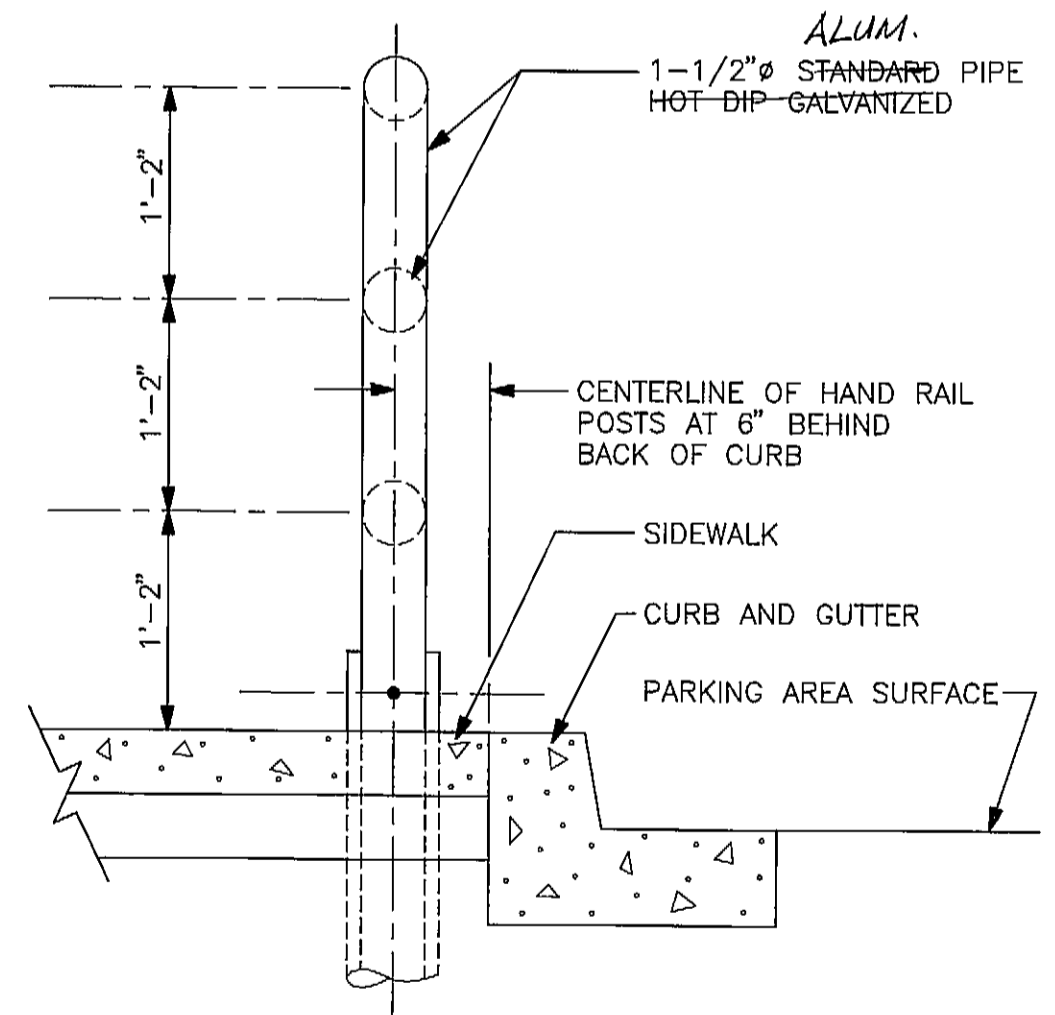
**CONNECTING TAB DETAILS**



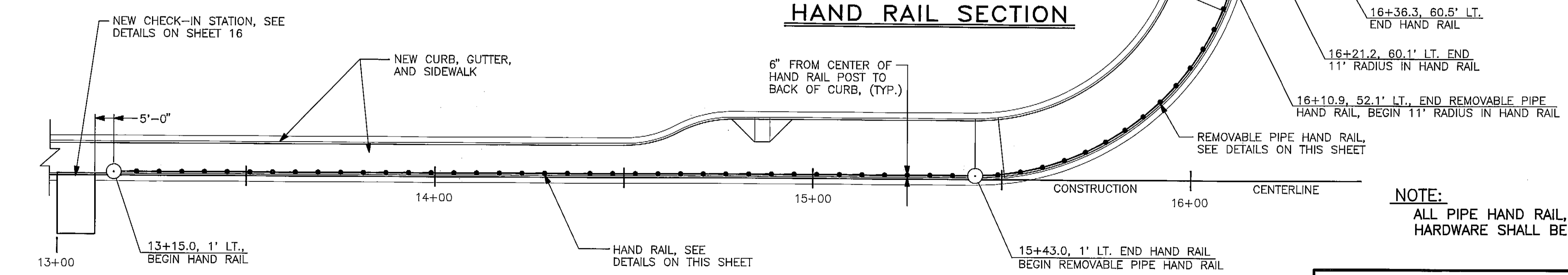
NOTE:  
SLIDING JOINT SHALL BE LOCATED EVERY THIRD POST  
**SLIDING JOINT DETAIL**



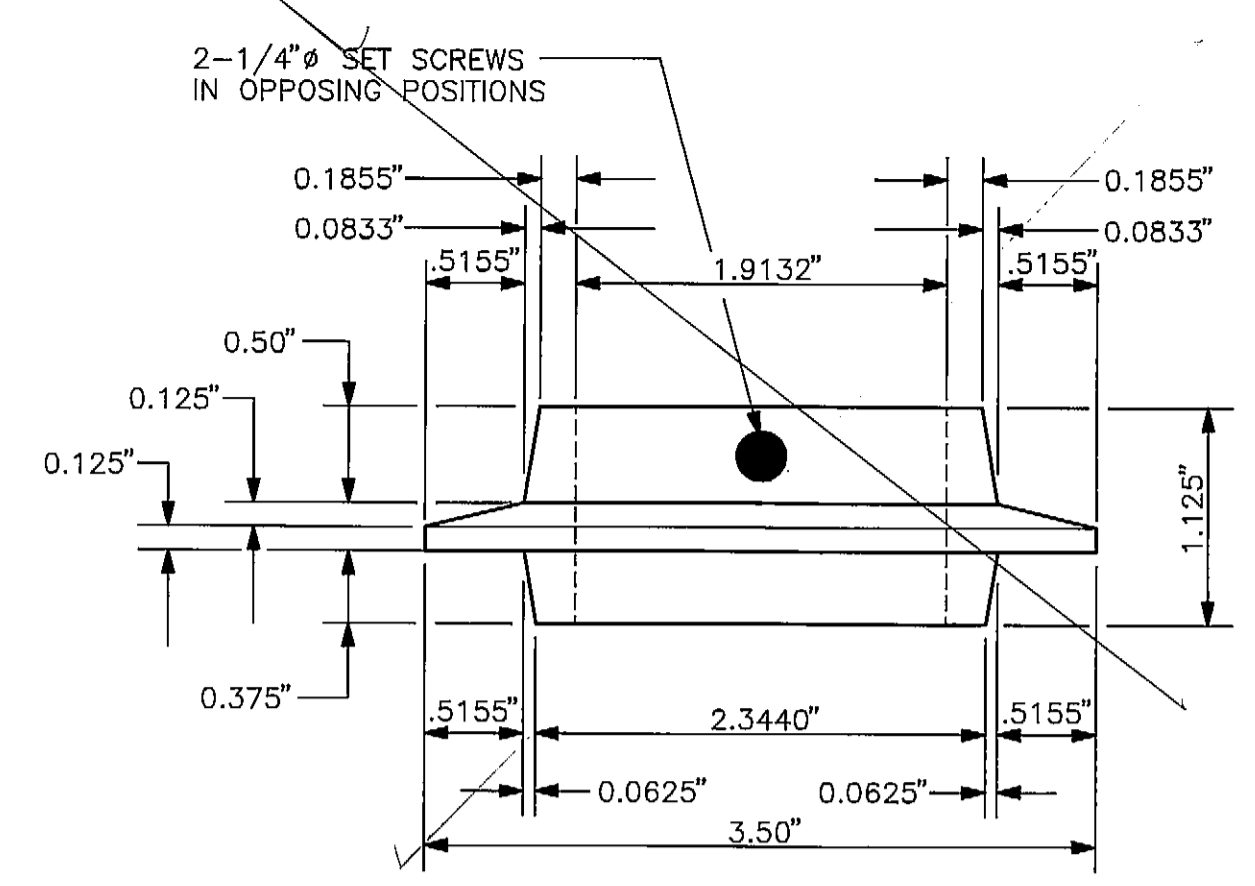
**TYPICAL HAND RAIL INSTALLATION DETAIL**



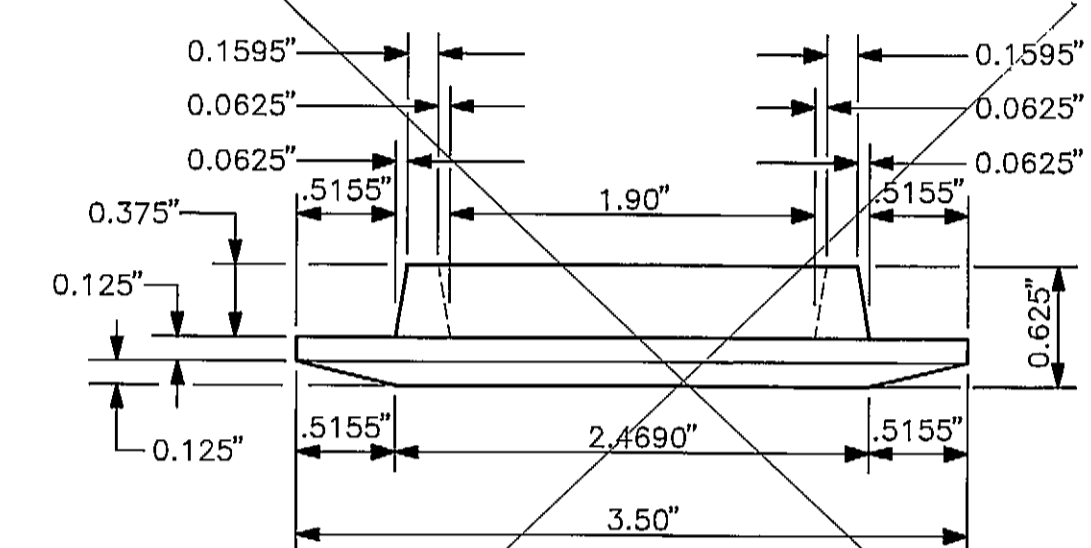
**HAND RAIL SECTION**



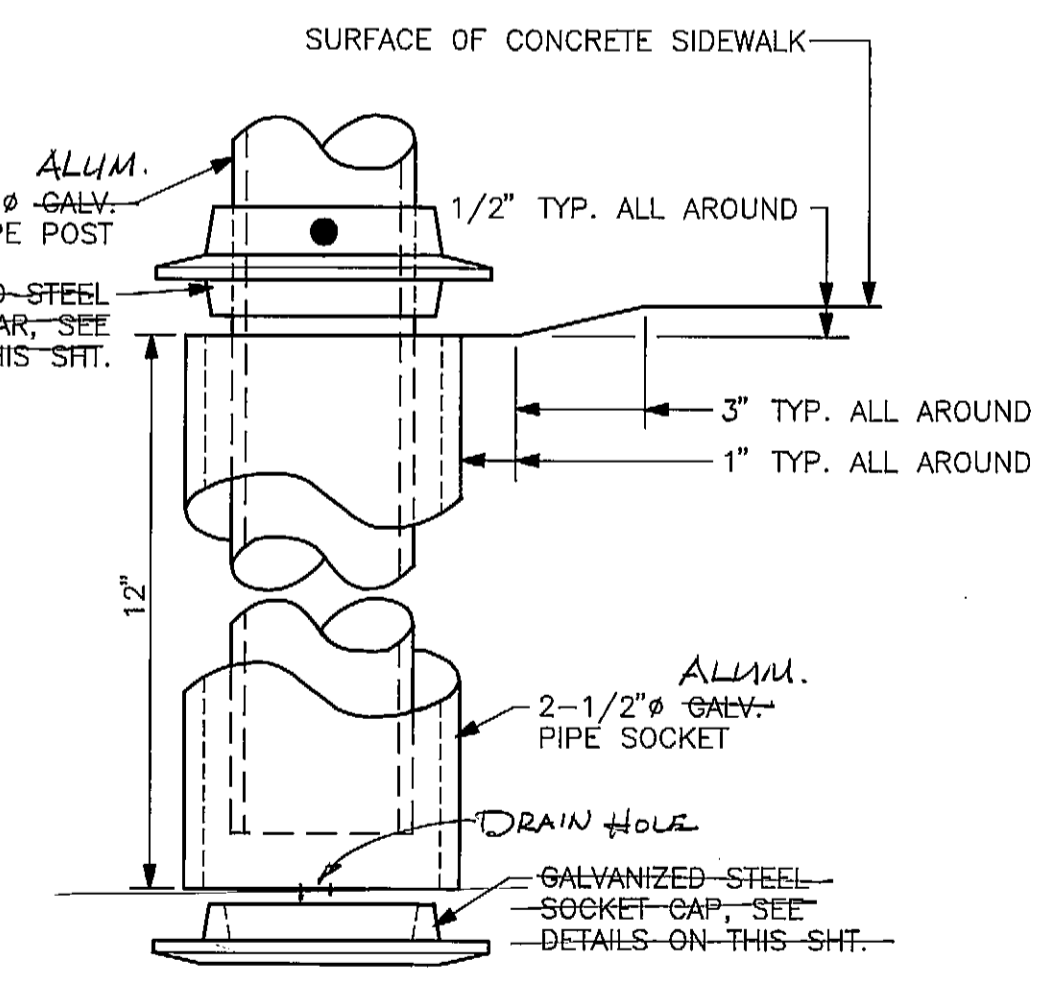
**HAND RAIL AND REMOVABLE PIPE HAND RAIL DETAILS**



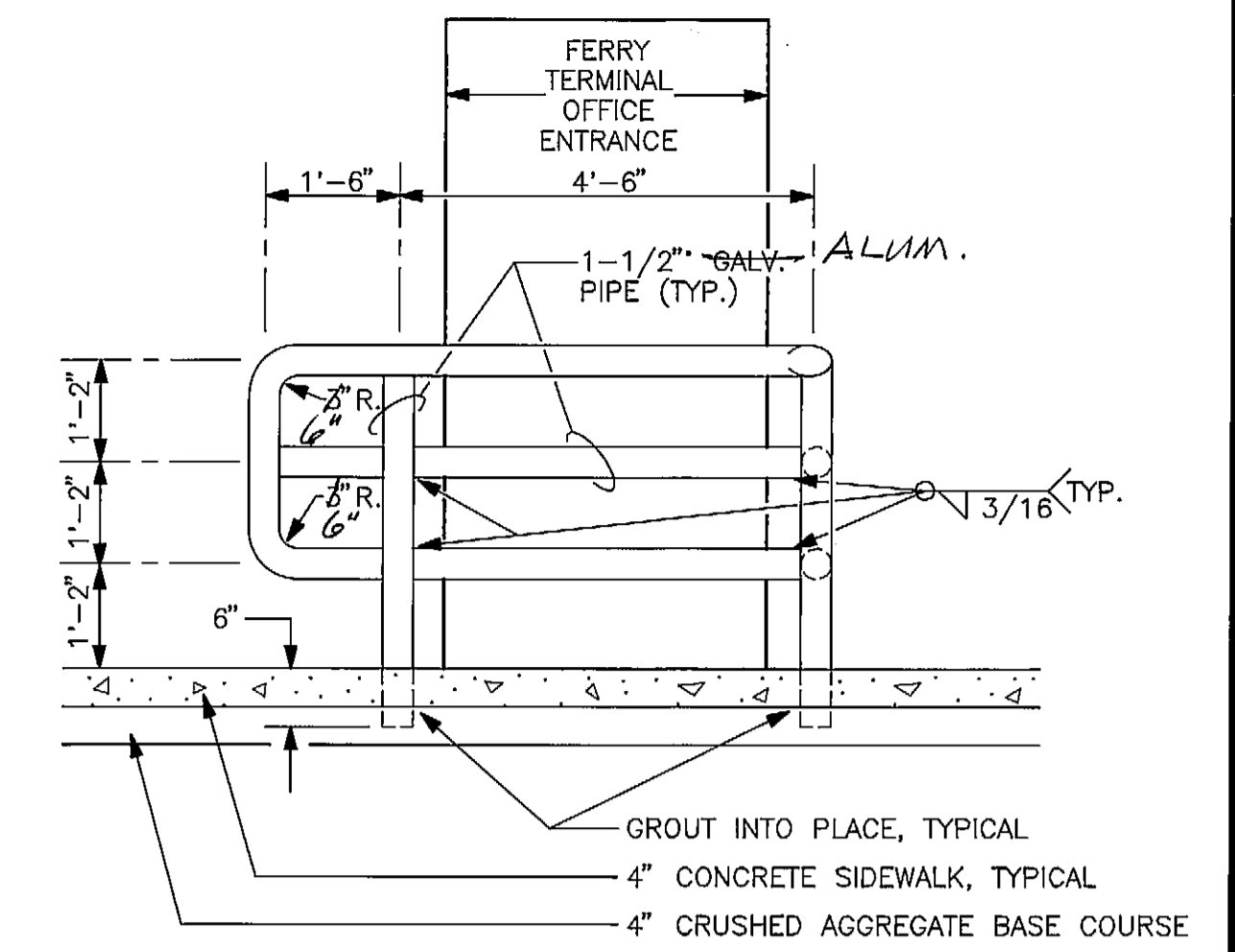
**PIPE COLLAR Deleted**



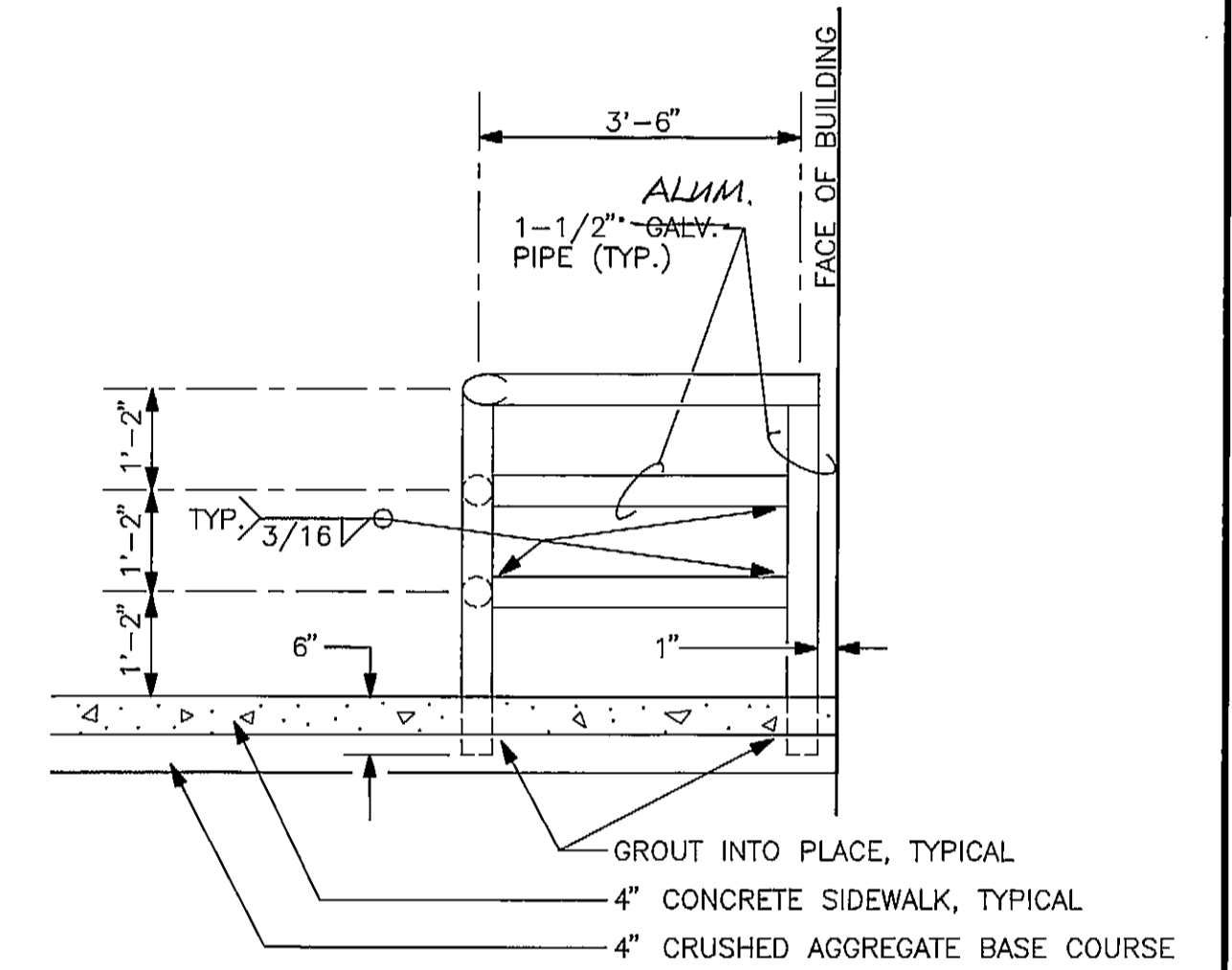
**SOCKET CAP Deleted**



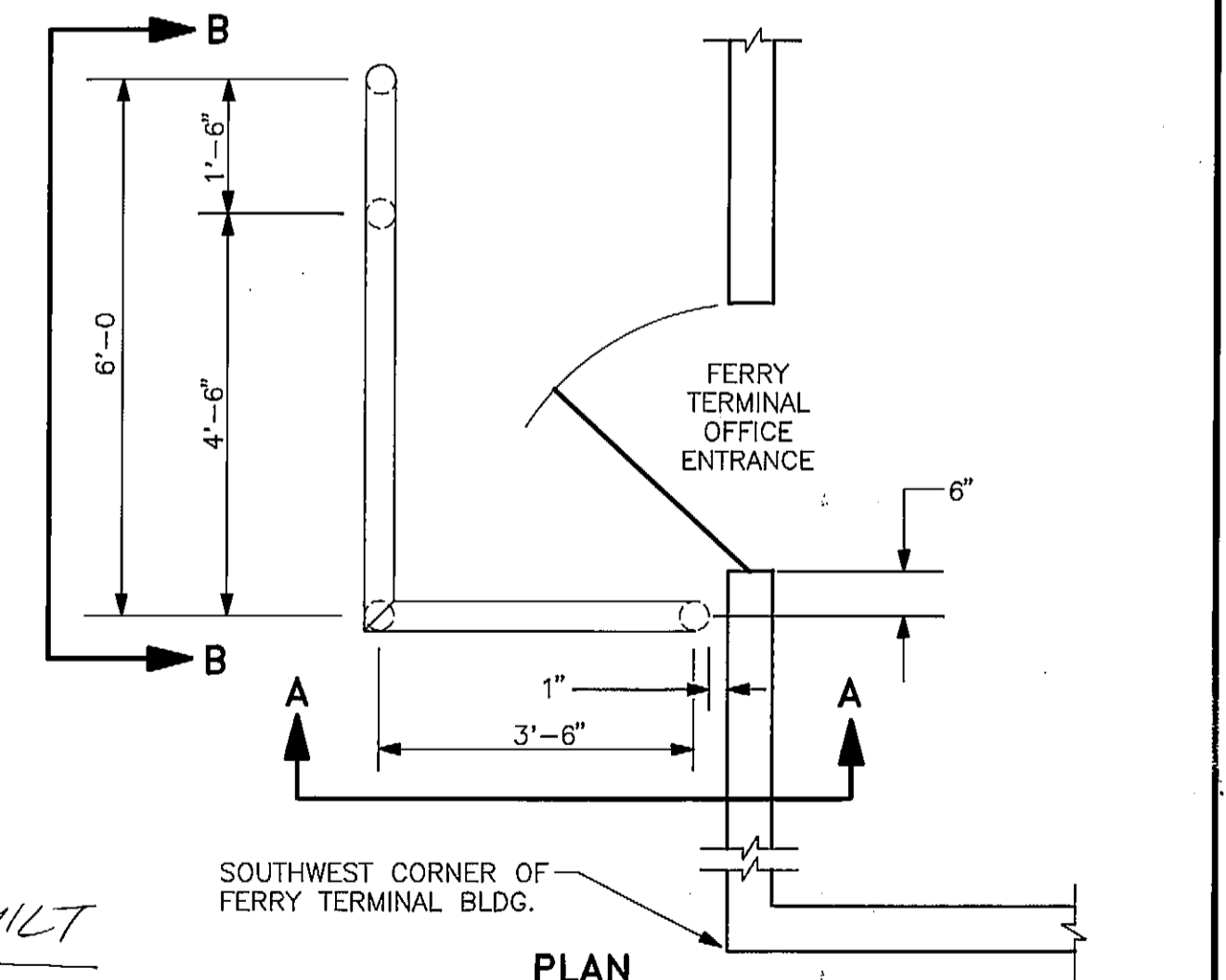
**SECTION SOCKET DETAILS**



**SECTION B-B**



**SECTION A-A**



**OFFICE ENTRANCE HAND RAIL DETAILS**

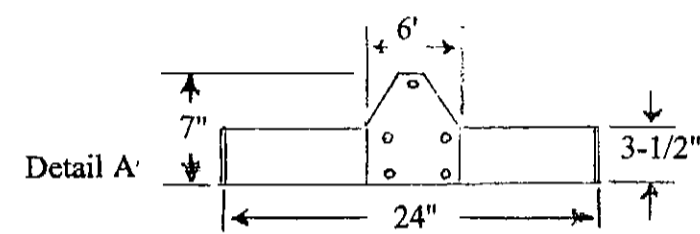
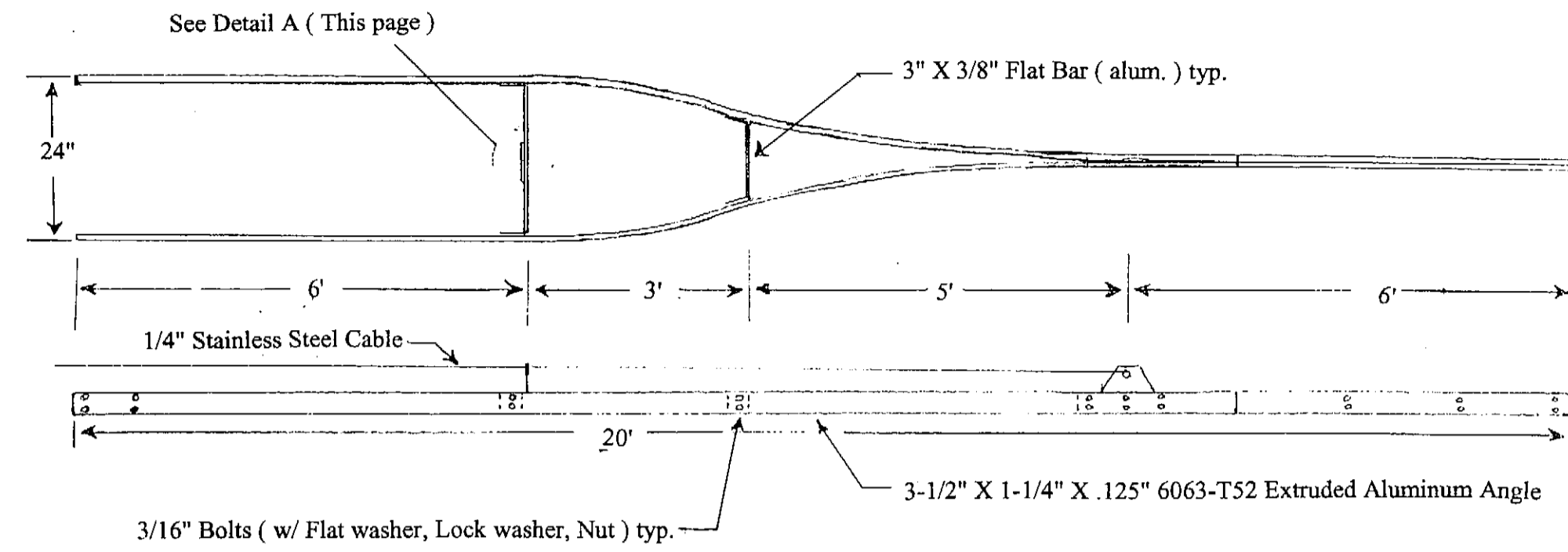
NOTE:  
ALL PIPE HAND RAIL, POSTS, SLEEVES, AND HARDWARE SHALL BE HOT-DIP GALVANIZED-ALUMINUM.

PREPARED BY  
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**STATE OF ALASKA**  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
HAINES ALASKA  
**HAINES FERRY TERMINAL UPLAND IMPROVEMENTS**  
**HAND RAIL & BARRIER DETAILS**  
DESIGNED: D.L.M. CHECKED: D.L.M. DRAWN: J.E.M. DATE: JUNE 1992  
PROJECT NUMBER: RS-0991 (3) & 75034 SHEET 13 OF 19

VARIES, SEE GATE LOCATION SUMMARY ON THIS SHEET

VARIES, SEE GATE LOCATION SUMMARY ON THIS SHEET



CORNERSTONE FENCING AND FABRICATION	ALUMINUM ARM ASSEMBLY (For Barrier Arm Gate)	Design	Drawn
		J.W.	G.M.
		Scale	Date
		N.T.S.	12-30-93
Sheet	Drwg No.		
1	001AA		

x LENGTH OF NEED CLEAR FIR ARM, TAPER FROM 5-1/2" WIDTH BONE END TO 4" WIDTH AT TIP

GATE LOCATION SUMMARY		
GATE NUMBER	FOOTING LOCATION	BARRIER ARM LENGTH
1	18+13.27, 59.63' RT.	20'-0"
2	18+51.68, 44.67' RT.	20'-0"
3	19+89.99, 13.67' RT.	22'-0"
4	20+35.05, 9.42' RT.	22'-0"

20'-0"  
20'-0"

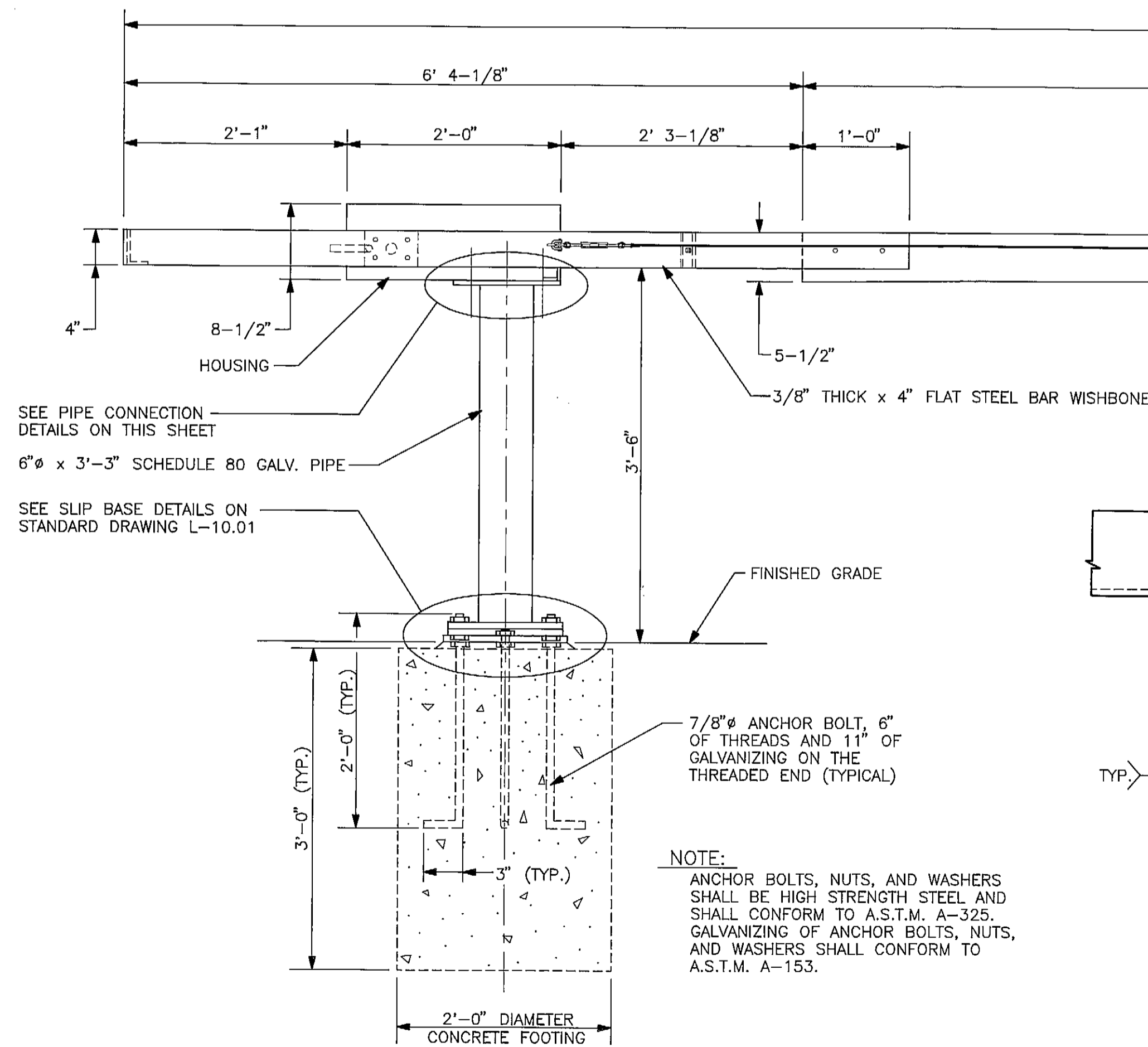
20+31.0 4.0 LT

3" x 3" x 1/4" THICK GALVANIZED STEEL PLATE WITH WELDED LOOP & SHACKLE, TYP. EACH SIDE, BOLTED TO BARRIER ARM WITH 4-1/4" x 2" GALVANIZED THROUGH BOLTS.

5/16" STAINLESS GUY-CABLE (TYP.)

VARIES, SEE GATE LOCATION SUMMARY ON THIS SHEET

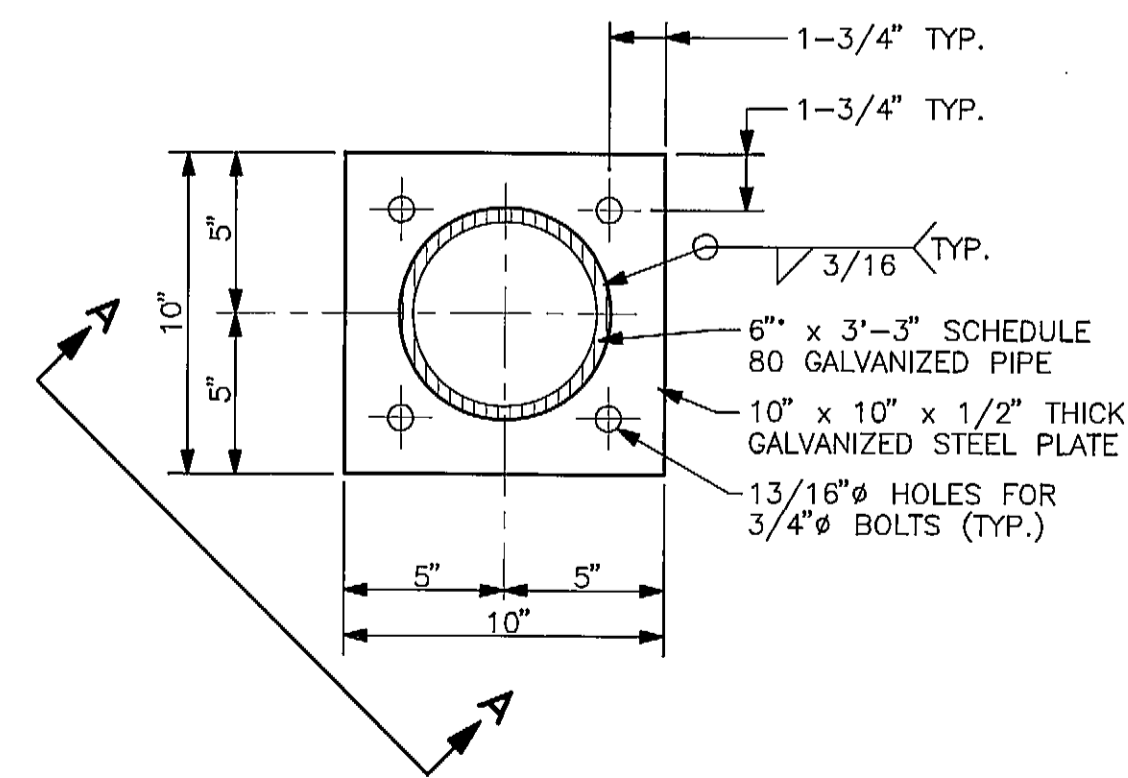
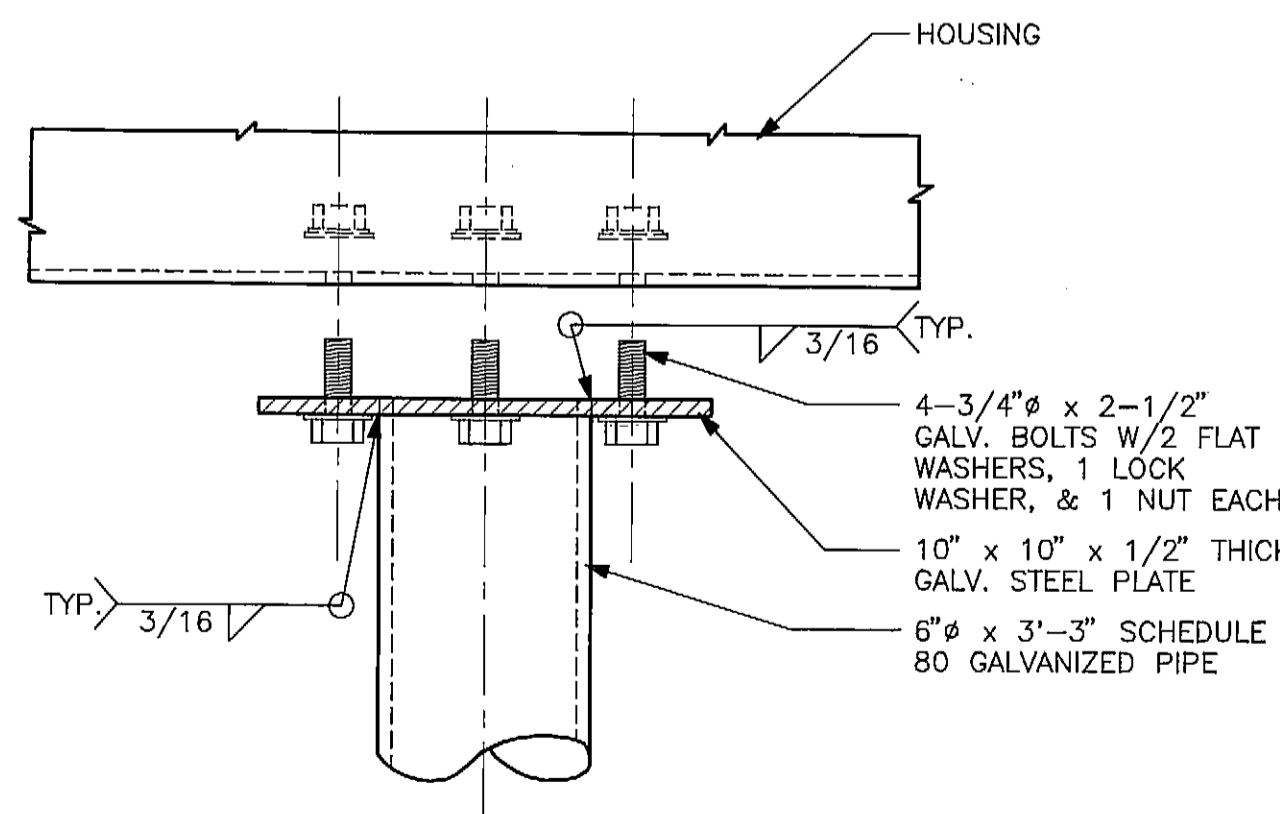
VARIES, SEE GATE LOCATION SUMMARY ON THIS SHEET



4" x 6" x LENGTH OF NEED CLEAR FIR BARRIER ARM, TAPER FROM 5-1/2" WIDTH AT WISHBONE END TO 4" WIDTH AT TIP

DO NOT ENTER

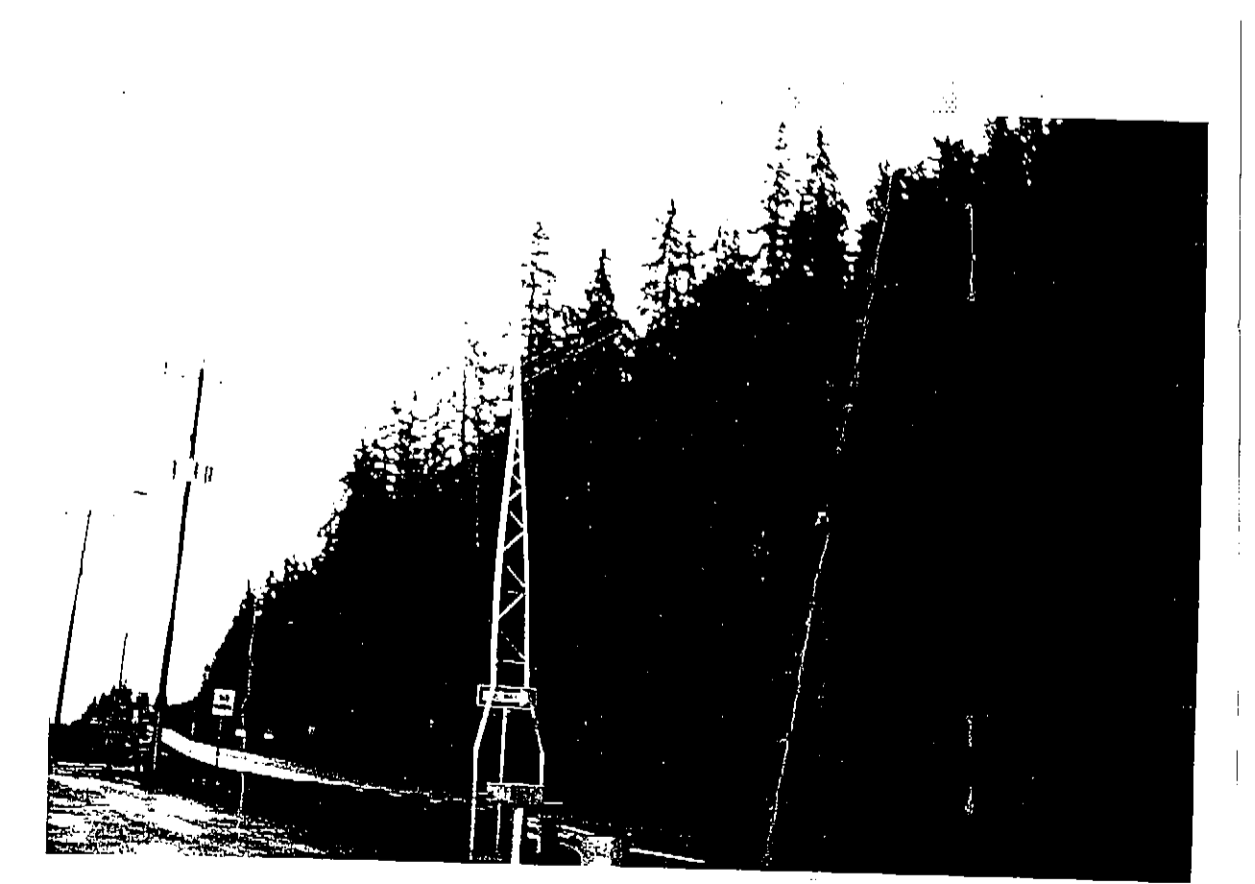
SIGN NUMBERS 41, 42, 43, & 44 SHALL BE MOUNTED ON THE BARRIER ARM AS SHOWN. MOUNTING SHALL BE DONE USING 6 #8 x 3/4" STAINLESS STEEL SCREWS. LETTER HEIGHT SHALL BE 3". BLACK LETTERS ON A WHITE BACKGROUND.



PIPE CONNECTION DETAILS

AS-BUILT

GATE DETAILS



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STAMP

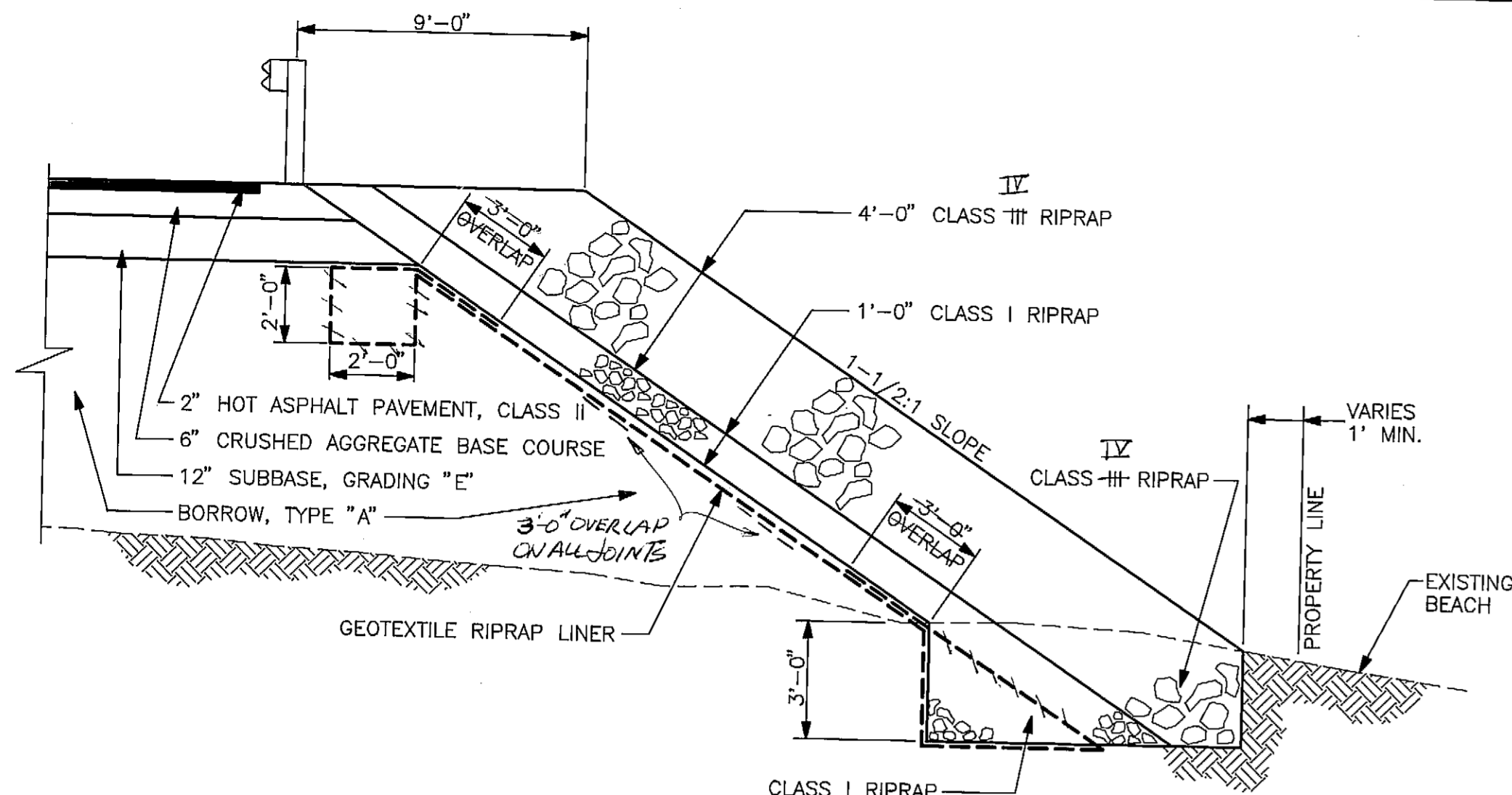
DO NOT SCALE FROM THESE DRAWINGS - USE DIMENSIONS.

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

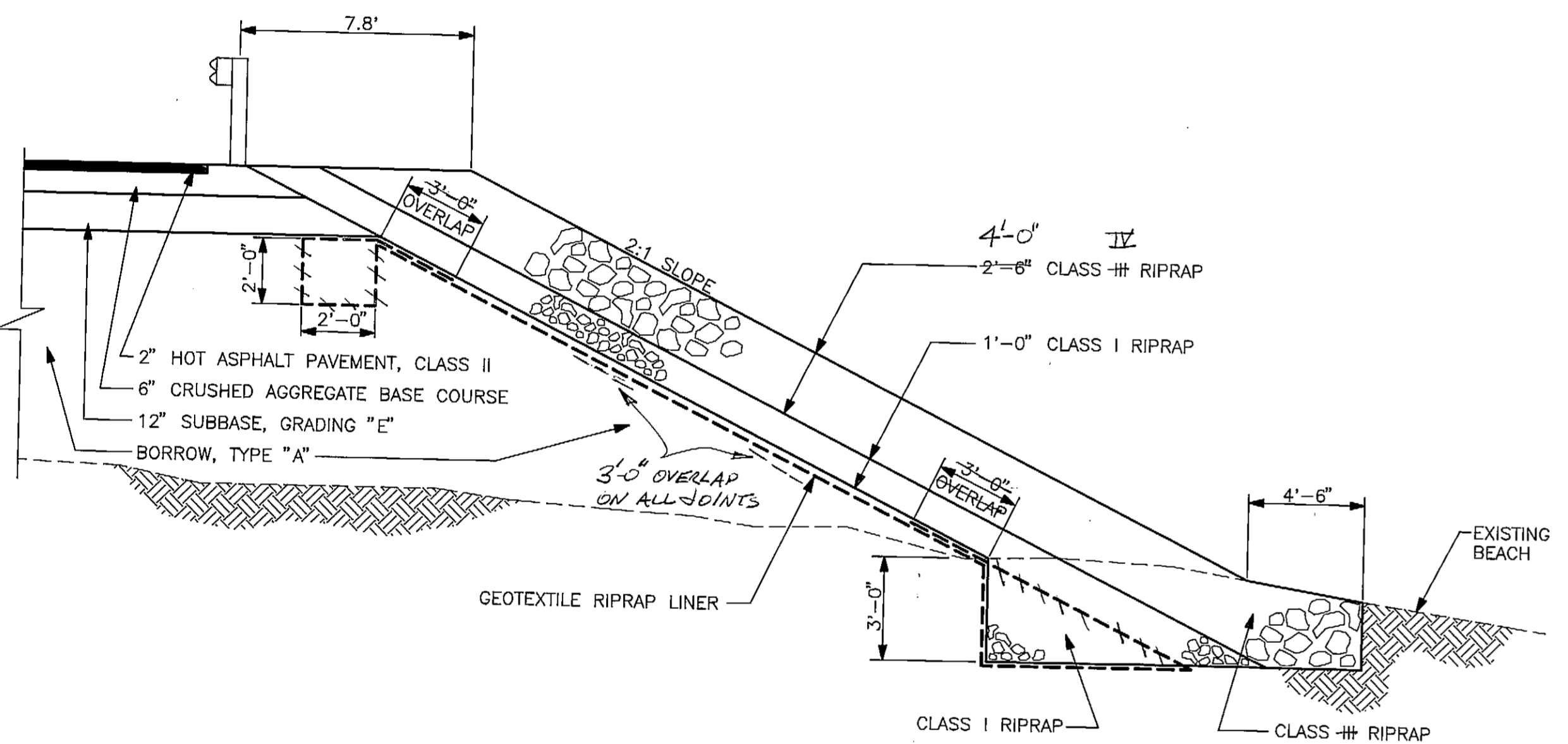
HAINES ALASKA  
HAINES FERRY TERMINAL UPLAND IMPROVEMENTS  
GATE DETAILS

DESIGNED: D.L.M. CHECKED: D.L.M. DRAWN: J.E.M. DATE: JUNE 1992

PROJECT NUMBER: RS-0991 (3) & 75034 SHEET 14 OF 19

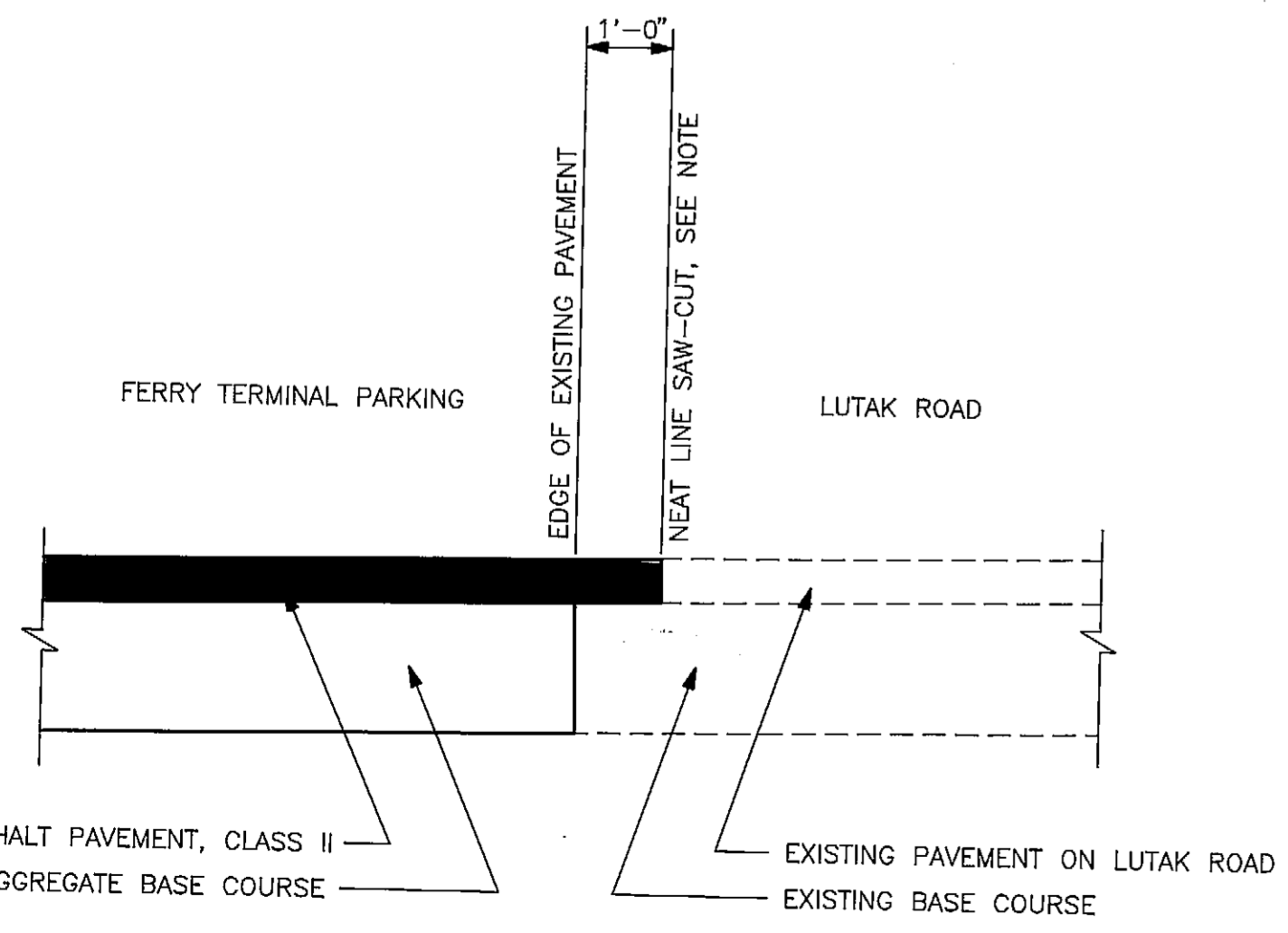
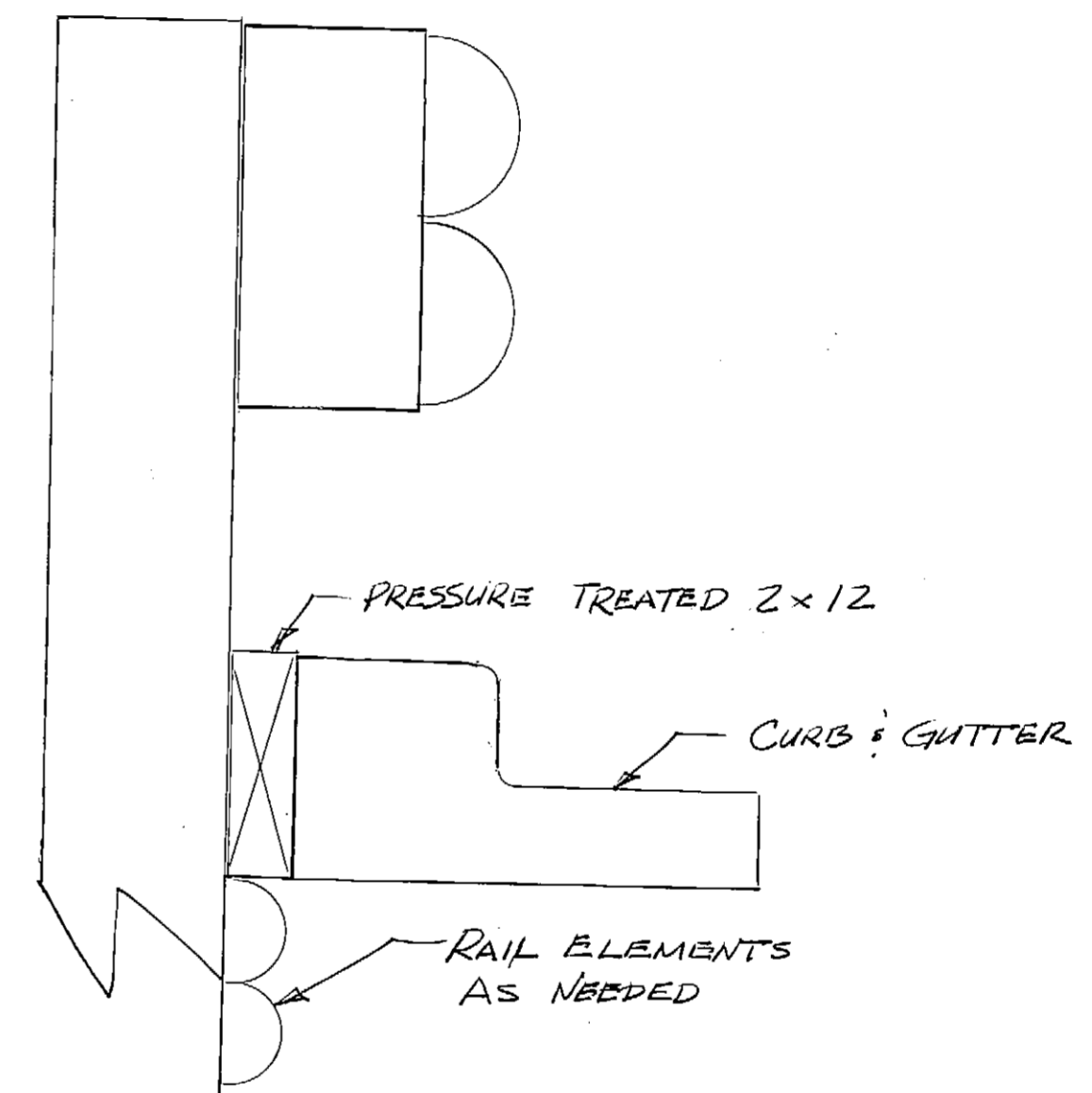


**SECTION A-A**  
SEE GRADING AND DRAINAGE DETAILS ON SHEET 8



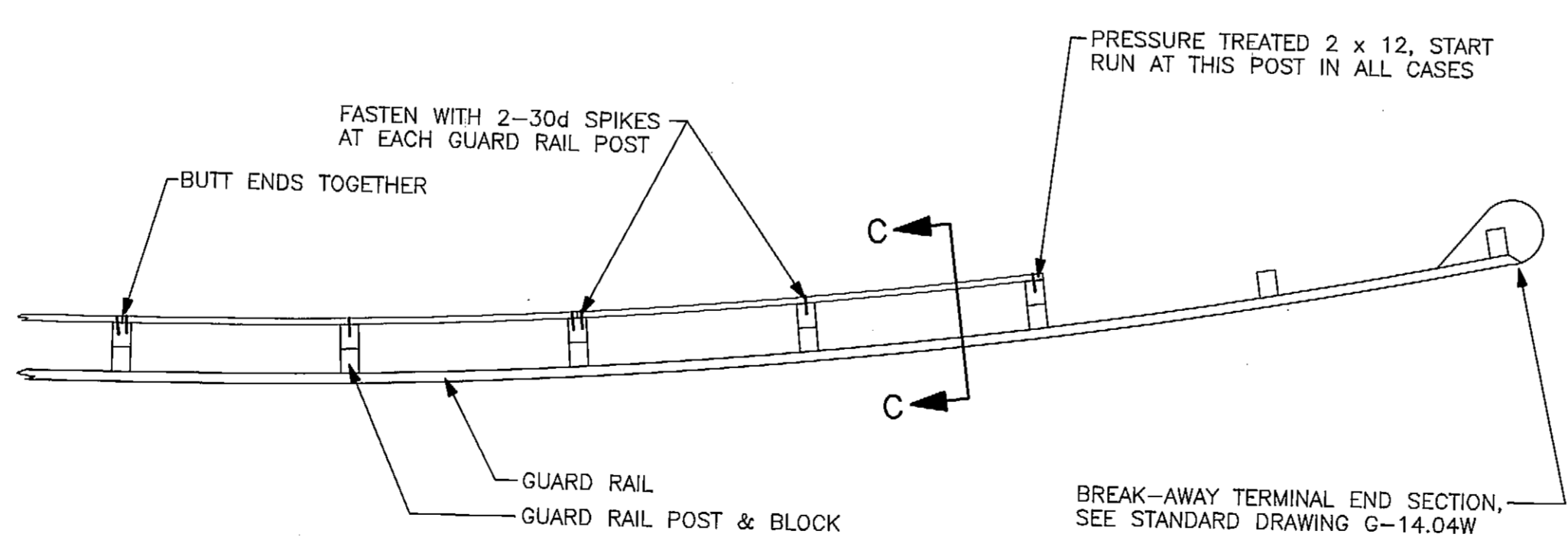
**SECTION B-B**  
SEE GRADING AND DRAINAGE DETAILS ON SHEET 8

**GUARD RAIL RETAINING WALL**

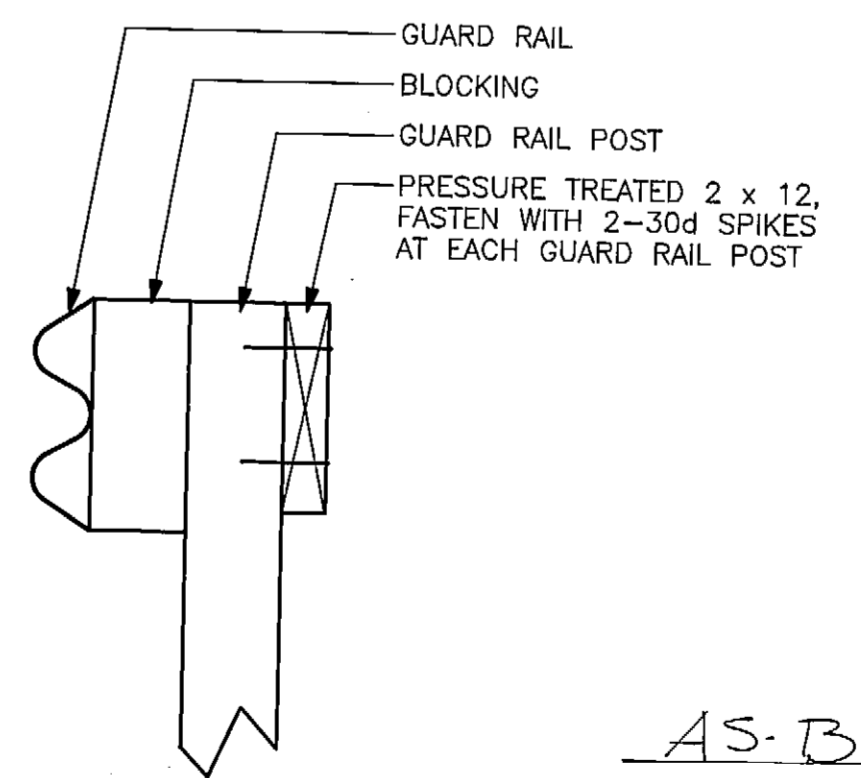


**NOTE:**  
SAW-CUT IN EXISTING PAVEMENT SHALL NOT BE MADE UNTIL 24 HOURS PRIOR TO FINAL PAVING.

**PAVEMENT MATCH JOINT DETAIL**




**PLAN**  
**GUARD RAIL DETAILS**

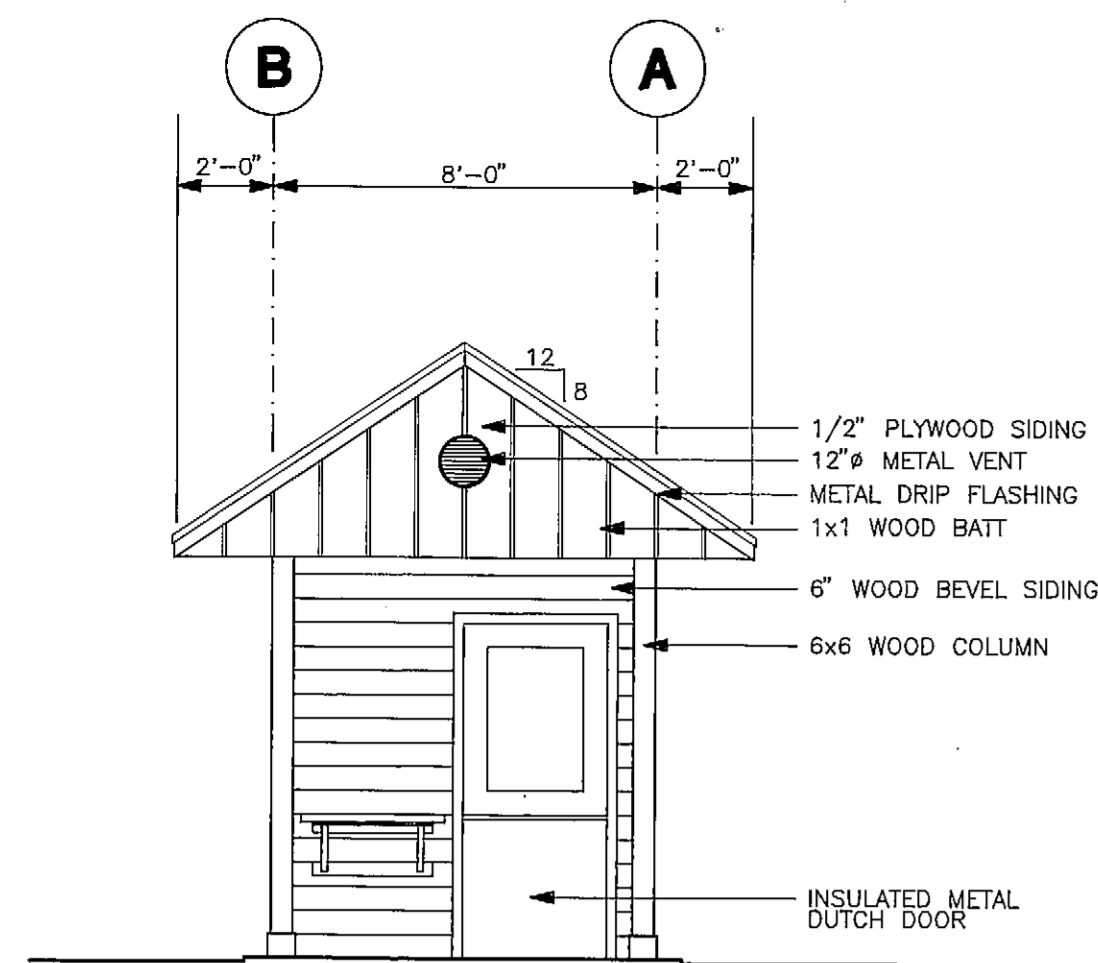


**SECTION C-C**

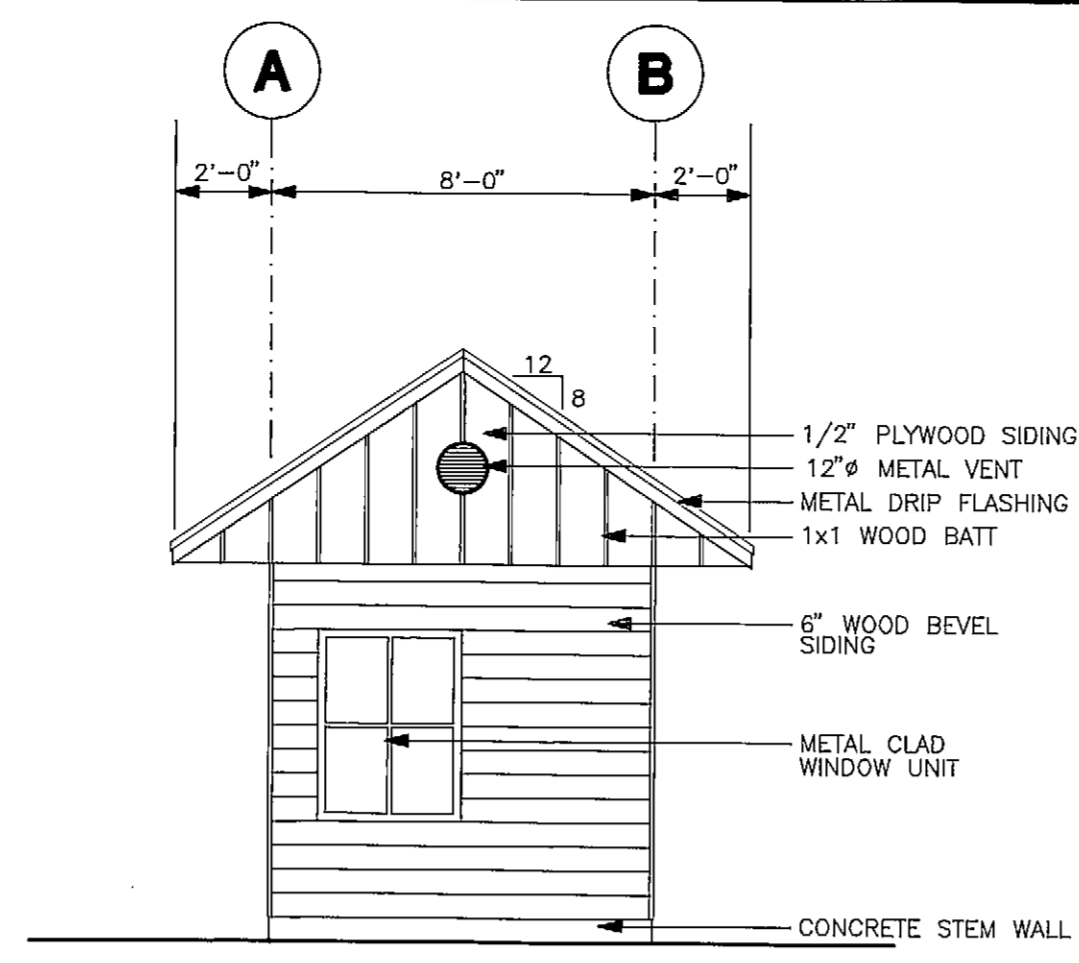
*AS-BUILT*

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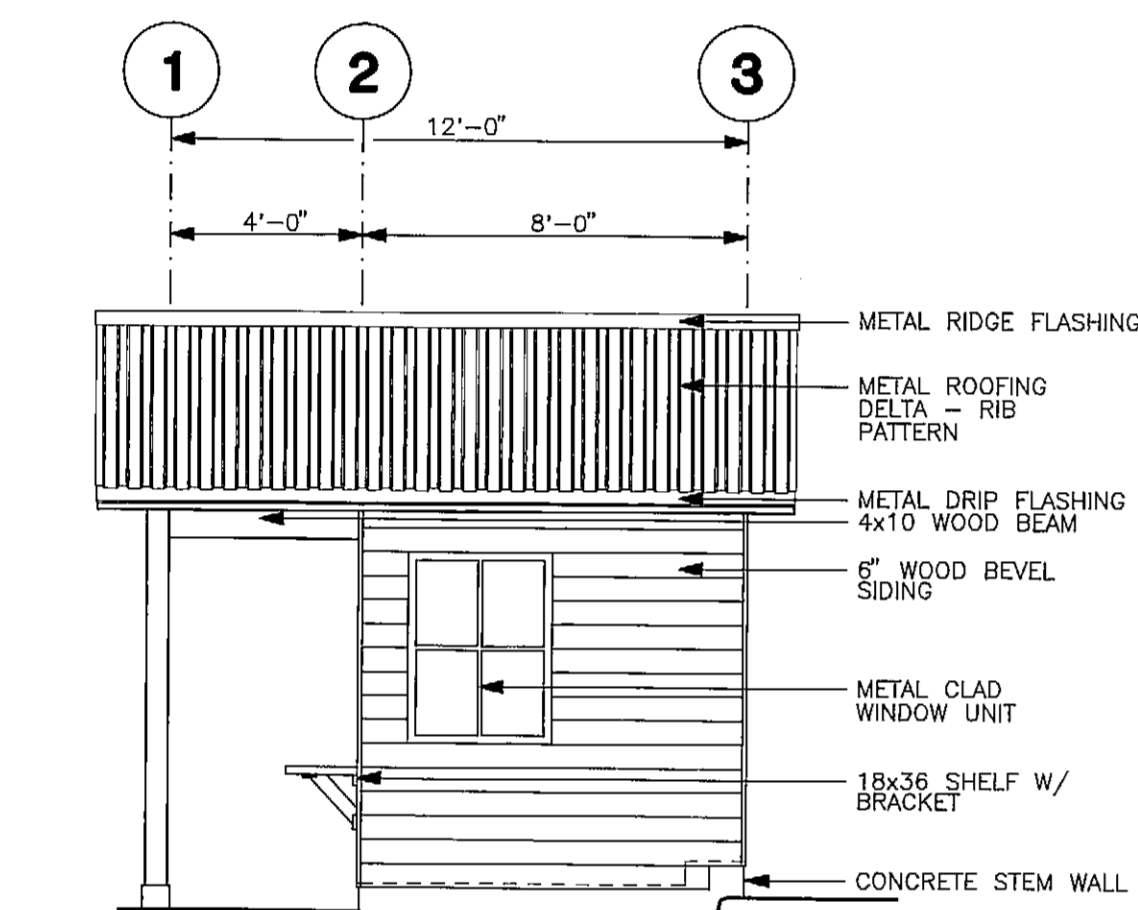
STAMP		DO NOT SCALE FROM THESE DRAWINGS - USE DIMENSIONS	
<b>STATE OF ALASKA</b> DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
DESIGNED: D.L.M.		CHECKED: D.L.M.	
DRAWN: J.E.M.		DATE: JUNE 1992	
PROJECT NUMBER: RS-0991 (3) & 75034		SHEET 15 OF 19	



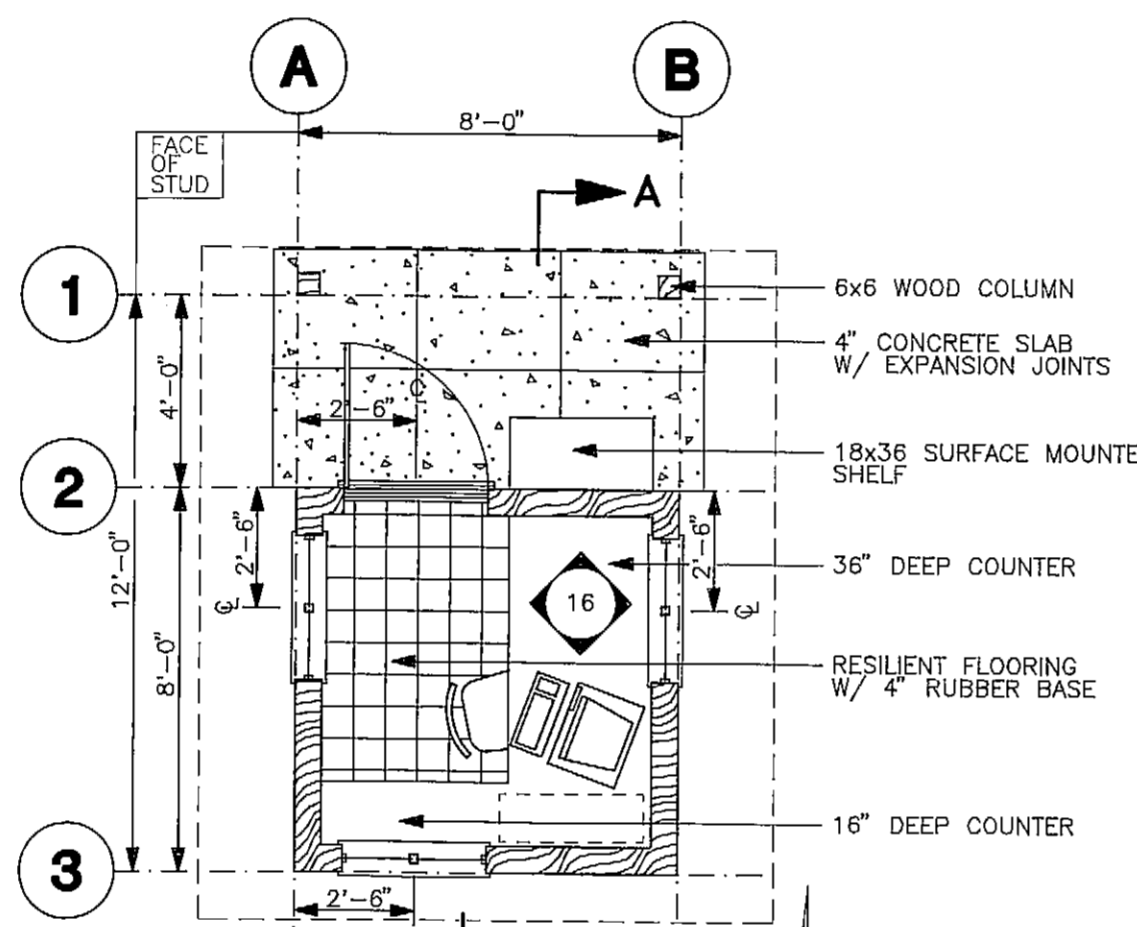
**SOUTH ELEVATION**



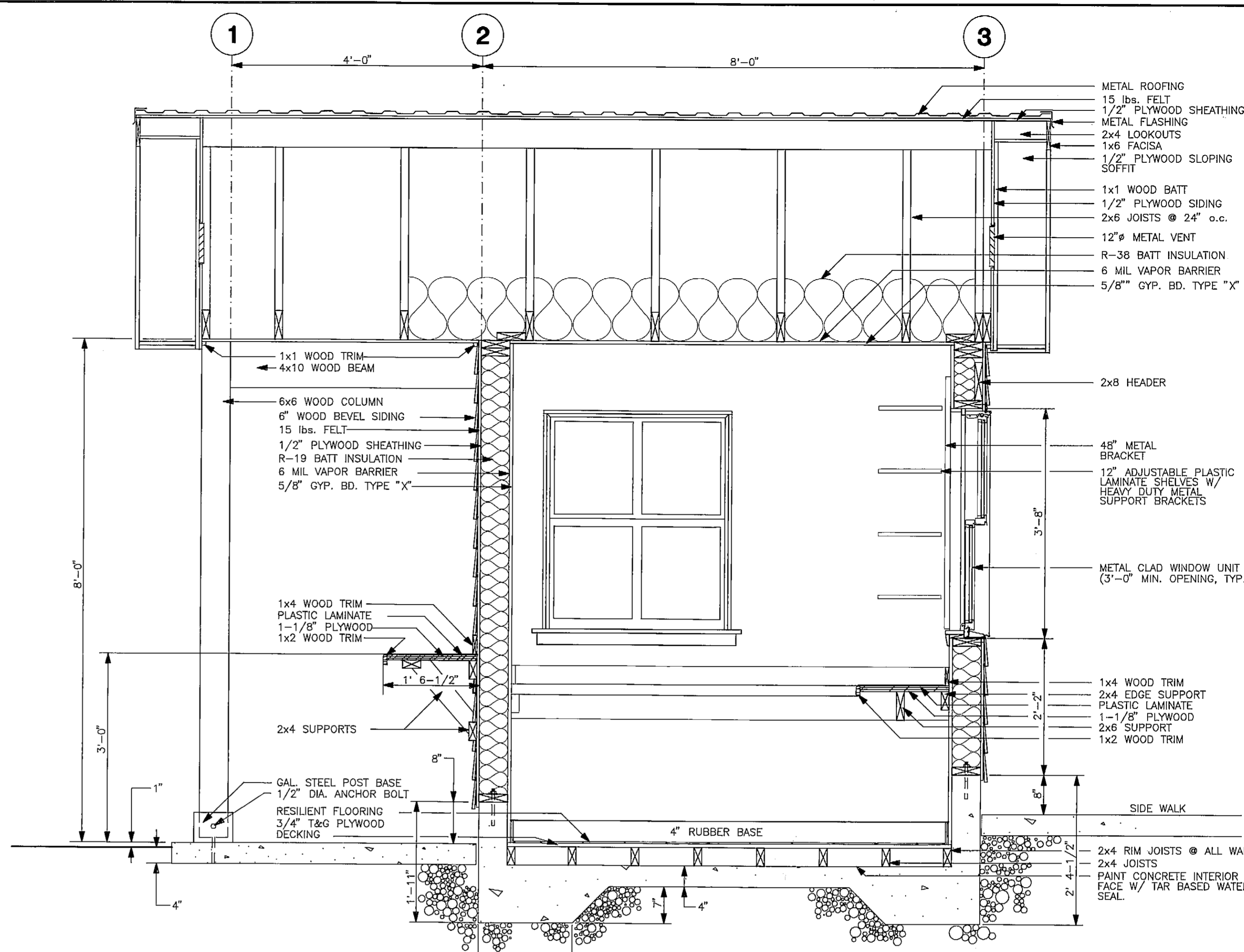
**NORTH ELEVATION**



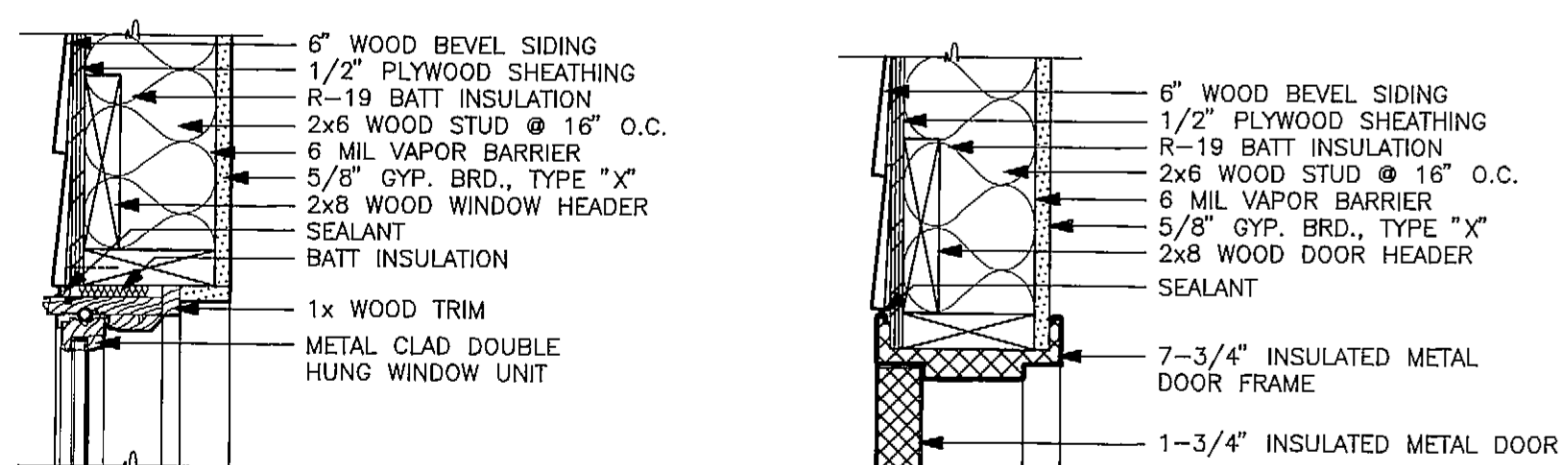
**WEST ELEVATION**  
EAST ELEVATION SIMILAR



**FLOOR PLAN**

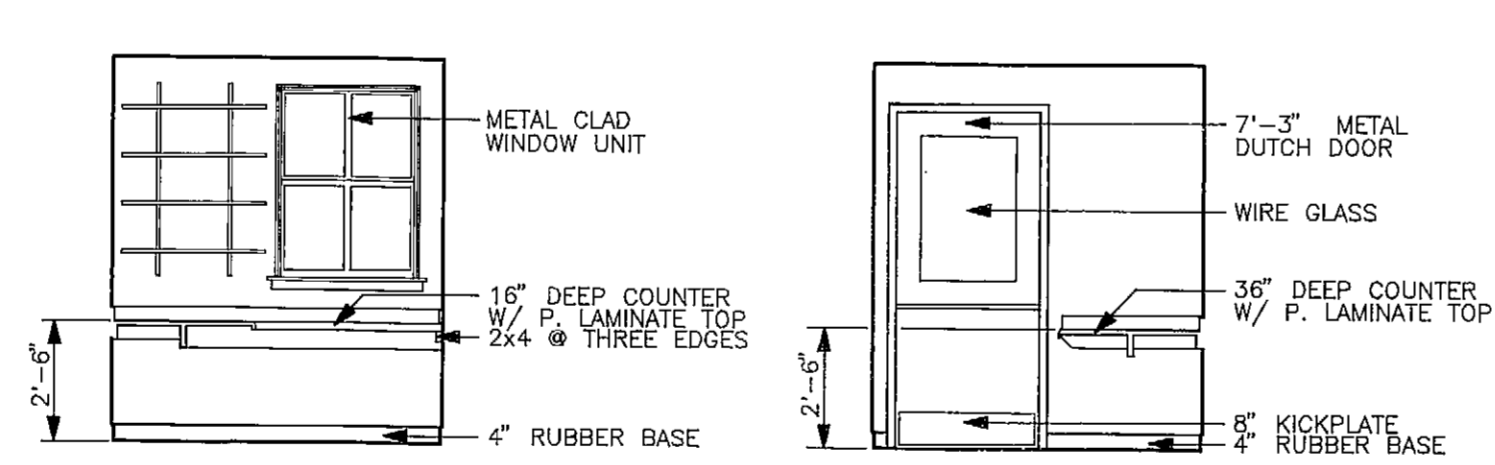


**SECTION A-A**



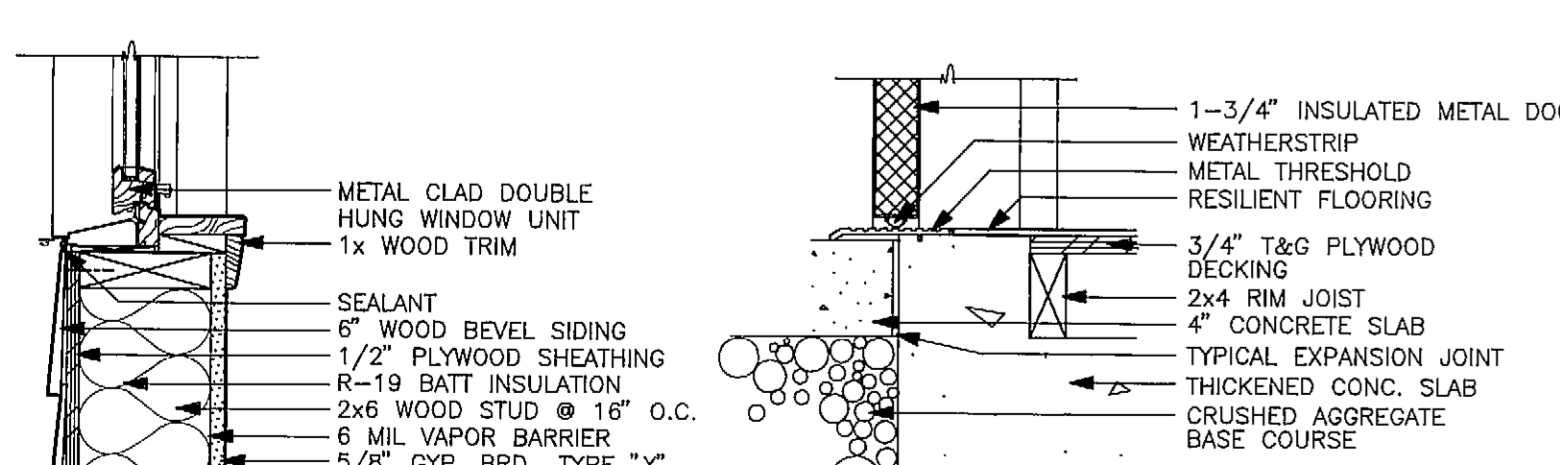
**WINDOW HEAD**

**DOOR HEAD**



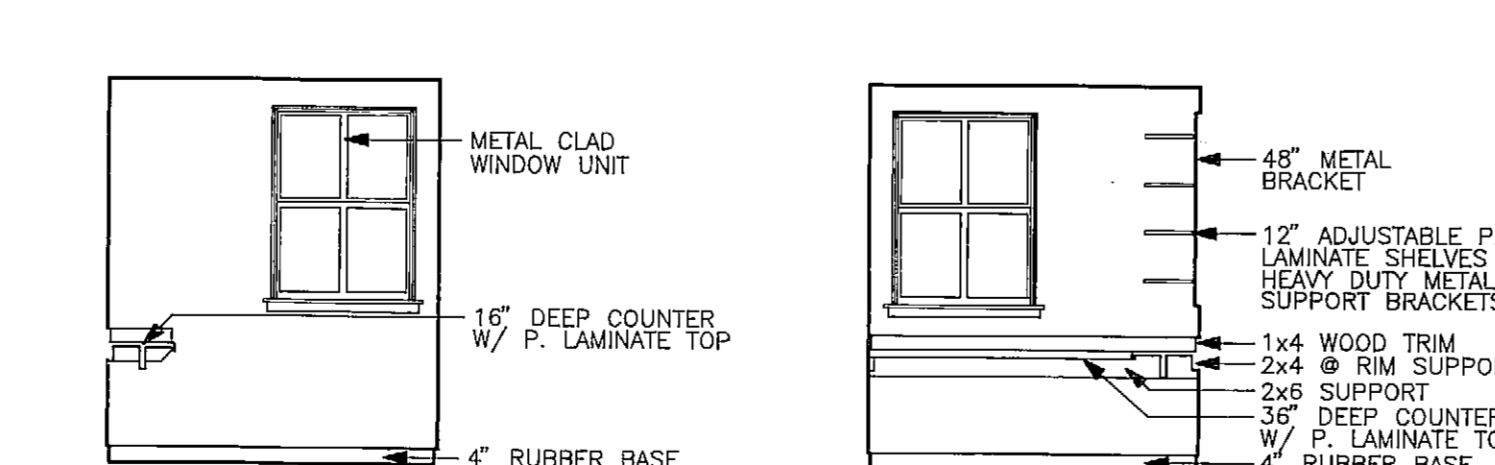
**NORTH**

**SOUTH**



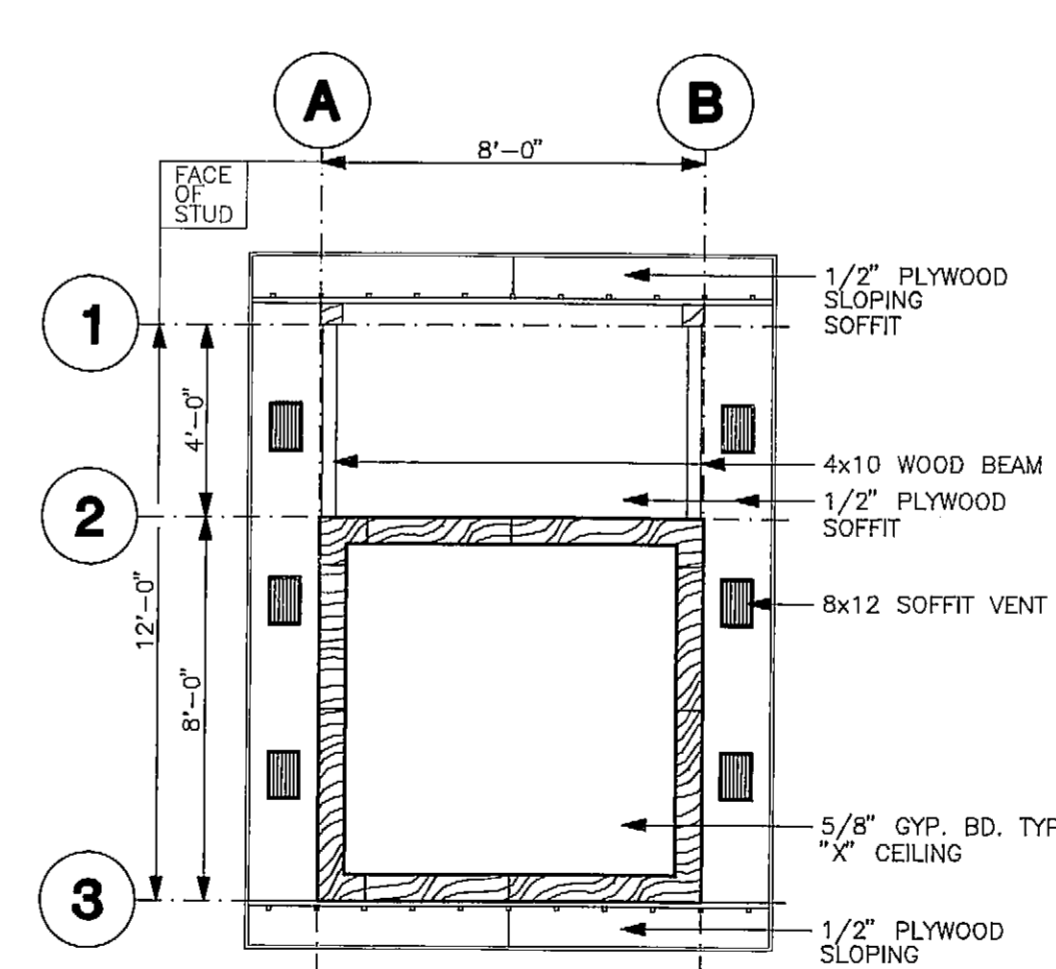
**WINDOW SILL**

**DOOR SILL**

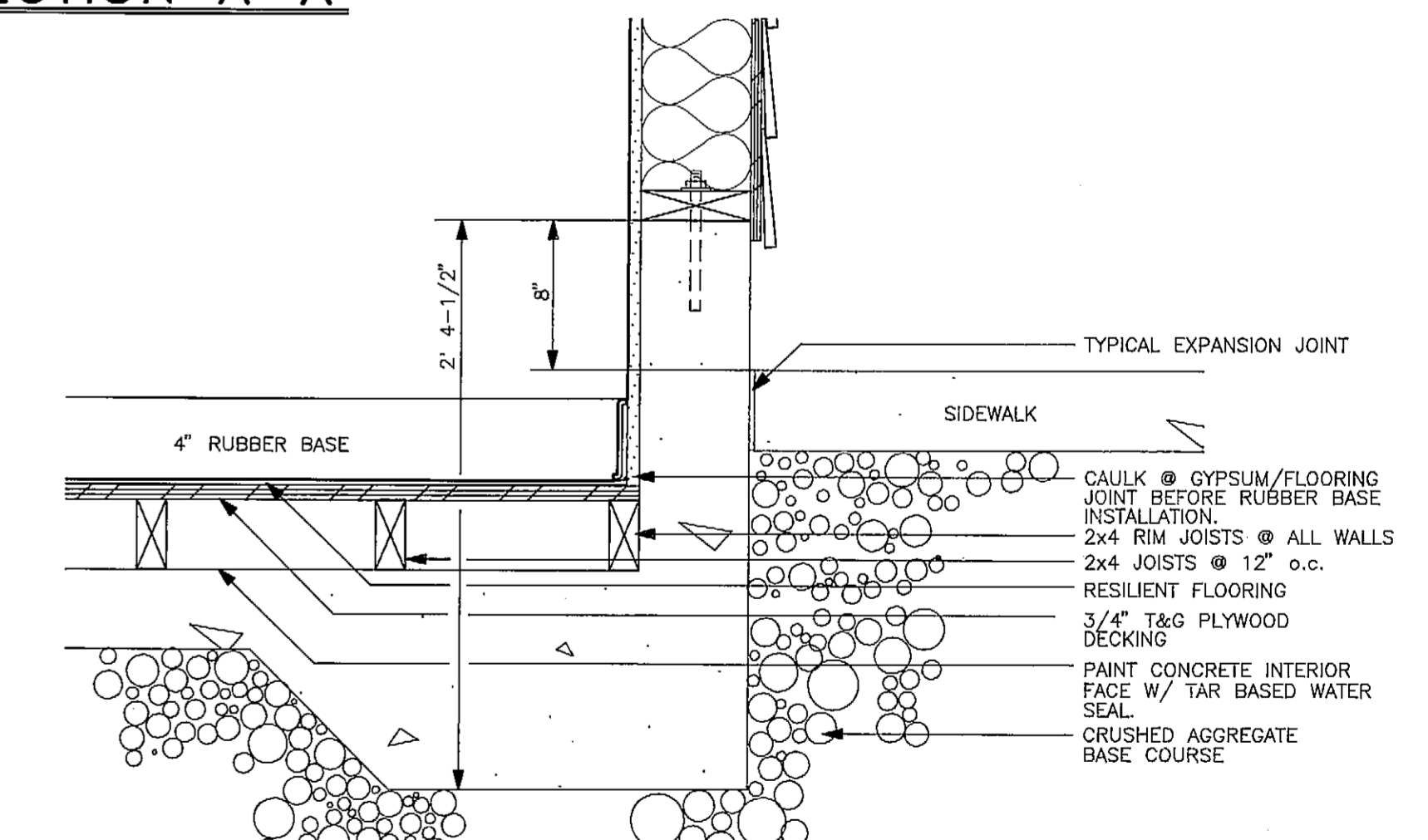


**EAST**

**WEST**



**REFLECTED CEILING & SOFFIT PLAN**




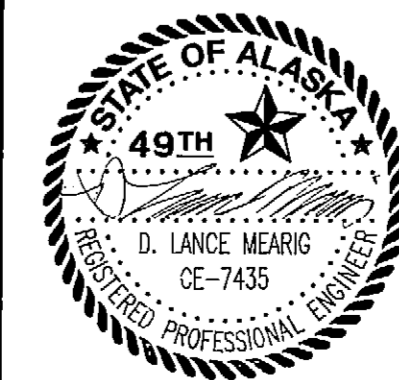
**AS-BUILT**

**FLOOR DETAIL**

**WINDOW/DOOR DETAILS**

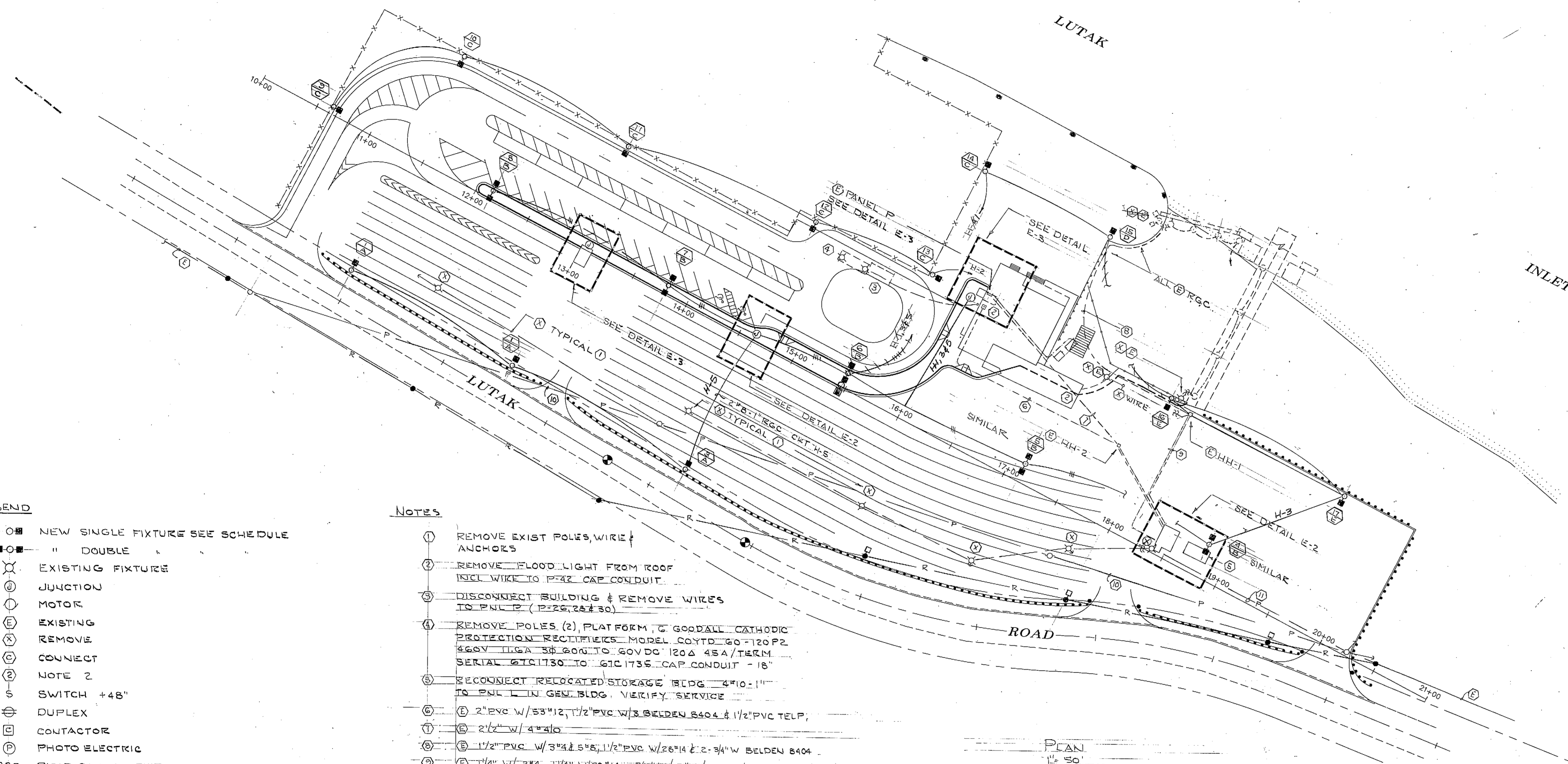
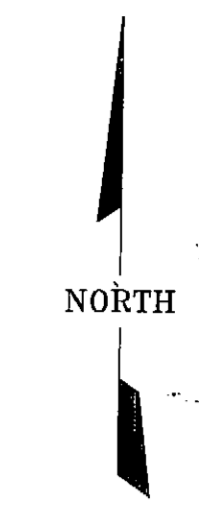
**INTERIOR ELEVATIONS**

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**STATE OF ALASKA**  
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES  
 HAINES ALASKA  
**HAINES FERRY TERMINAL UPLAND IMPROVEMENTS**  
**CHECK-IN STATION**  
 DESIGNED: R.R.Y. CHECKED: D.L.M. DRAWN: R.R.Y. DATE: JUNE 1992  
 PROJECT NUMBER: RS-0991 (3) & 75034 SHEET 16 OF 19



LUMINAIRE COORDINATION		
NUMBER	STATION	OFFSET
1	11+40.00	107.0 RT
2	12+38.00	114.0 RT
3	13+58.97	117.5 RT
4	14+12.36	115.3 LT
5	15+80.00	29.0 LT
6	15+41.5	2.0 LT
7	13+79	7.0 LT
8	12+11.4	7.0 LT
9	10+62.8	14.7 LT
10	11+38.9	94.5 LT
11	12+95.9	93.0 LT
12	14+63	112.0 LT
13	15+72	118.5 LT
14	15+67.1	222.5 LT
15	16+86.0	223.0 LT
16	17+95	121.0 LT
17	19+60	124.5 LT



- LEGEND**
- NEW SINGLE FIXTURE SEE SCHEDULE
  - " DOUBLE "
  - ⊗ EXISTING FIXTURE
  - ⊕ JUNCTION
  - Ⓜ MOTOR
  - ⓔ EXISTING
  - ⓧ REMOVE
  - ⓐ CONNECT
  - ② NOTE 2
  - Ⓢ SWITCH +48"
  - Ⓛ DUPLEX
  - ⓐ CONTACTOR
  - ⓐ PHOTO ELECTRIC
  - RGC RIGID GALV CONDUIT
  - NEW CONDUIT & WIRE 3/C
  - - - EXIST " & "
  - - - EXIST OVHD POLE LINE LIGHTING CIRCUIT
  - - - " " PRIMARY POLE LINE 7.2/12.47-34.5KV
  - - - " " " " BY OTHERS
  - - - CIRCUIT CONTINUES
  - - - " " DISCONNECTED
  - Ⓥ VIDEO
  - Ⓣ TELEPHONE
  - NEW PRIMARY POLE BY OTHERS
  - ⓐ " " " " W/LIGHT FIXTURE TO MATCH BY OTHERS
  - ⓐ POLE #
  - ⓐ POLE TYPE

- NOTES**
- ① REMOVE EXIST POLES, WIRE & ANCHORS
  - ② REMOVE FLOOD LIGHT FROM ROOF INCL WIRE TO P-42 CAP CONDUIT
  - ③ DISCONNECT BUILDING & REMOVE WIRES TO PNL P (P-25, 22 & 30)
  - ④ REMOVE POLES (2), PLATFORM, & GOODALL CATHODIC PROTECTION RECTIFIERS MODEL COYTD 60-120 P2 420V 11GA 3# 600 TO GOVDC 120A 45A/TERM SERIAL 61C1730 TO 61C1735 CAP CONDUIT - 18"
  - ⑤ RECONNECT RELOCATED STORAGE BLDG 4"10-11" TO PNL IN GEN BLDG. VERIFY SERVICE
  - ⑥ 2" PVC W/ 53"12, 1 1/2" PVC W/ 3 BELDEN 8404 & 1 1/2" PVC TELP
  - ⑦ 2 1/2" W/ 4"310
  - ⑧ 1 1/2" PVC W/ 3"4 & 5"5, 1 1/2" PVC W/ 26"14 & 2-3/4" W BELDEN 8404
  - ⑨ 1 1/4" W/ 3"4, 1 1/4" W/ 20"14, 3/4" W/ 3"5 (LIGHTS), 2" PVC G#4 & 2"5, 2" PVC W/ 26"14, 2" PVC W/ 26"14, 3/4" PVC W/ 2" 8404 & 3/4" PVC W # 8404
  - ⑩ PRIMARY 7.2/12.47 & 34.5 KV 3# TELEPHONE RELOCATED BY OTHERS
  - ⑪ PRIMARY 7.2/12.47 3# TELEPHONE OVERHEAD RELOCATED WITH UNDERGROUND SERVICE BY OTHERS VERIFY LOCATION
  - ⑫ AT EACH PULL BOX PROVIDE MINIMUM OF 12" COMPACTED GRAVEL BELOW & BOND ALL CONDUIT WITH #8 BARE COPPER

PLAN  
1" = 50'

AS-BUILT

	DO NOT SCALE FROM THESE DRAWINGS - USE DIMENSIONS.			
	<b>STATE OF ALASKA</b> DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES HAINES ALASKA <b>HAINES FERRY TERMINAL UPLAND IMPROVEMENTS</b> ELECTRICAL AND ILLUMINATION			
DESIGNED: LPL	CHECKED:	DRAWN:	DATE: JAN 92	
PROJECT NUMBER: RS-0991 (3) & 75034	SHEET 17		OF 19	

TYPICAL NOTES

POLE 7" SQUARE X 7 GA STEEL  
HOT DIP GALV. AFTER FABRICATION  
100 MPH + 30% GUST FACTOR

ALL STAINLESS STEEL SCREWS

GROUND POLE

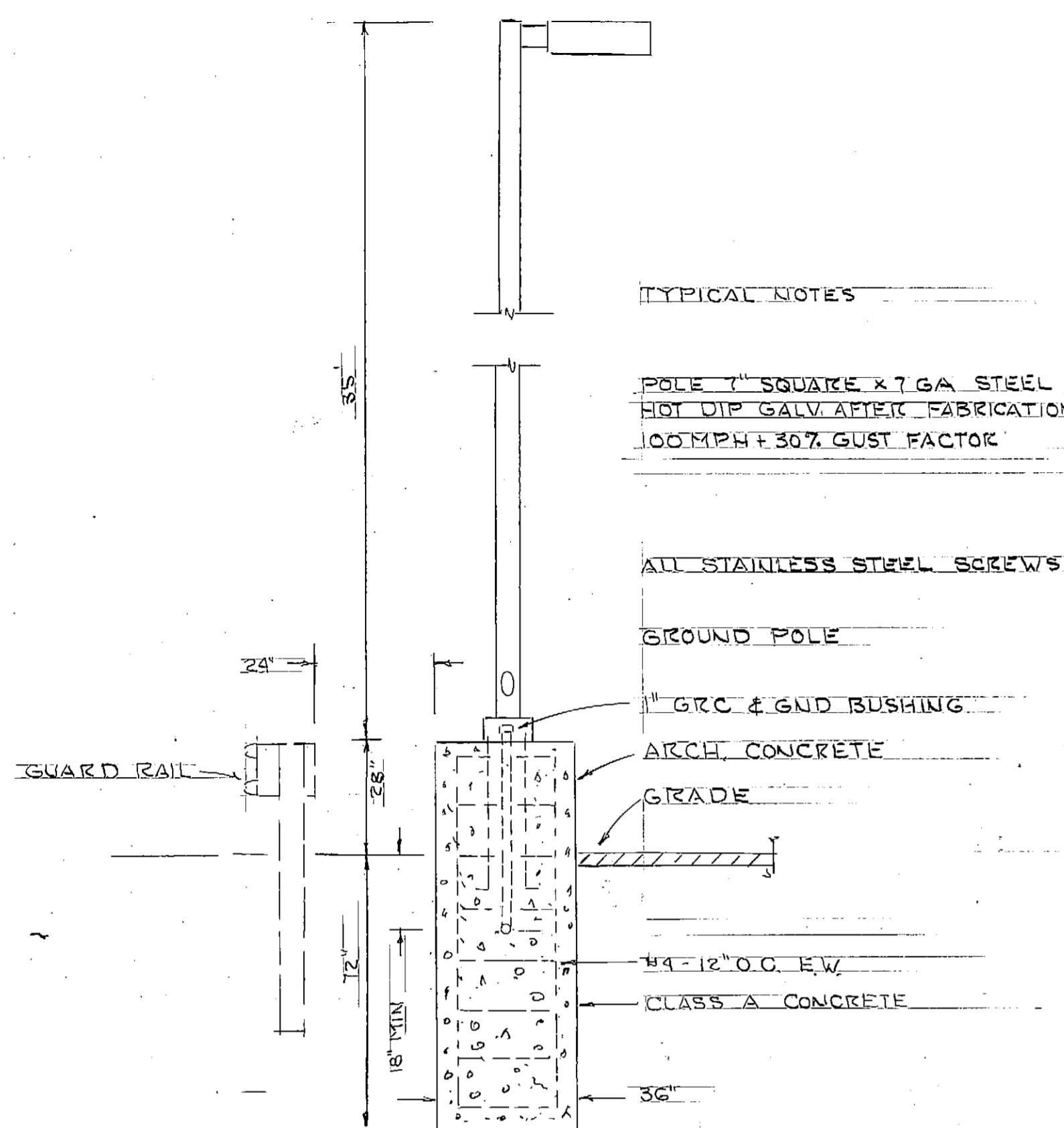
1" GRC # GND BUSHING

ARCH CONCRETE

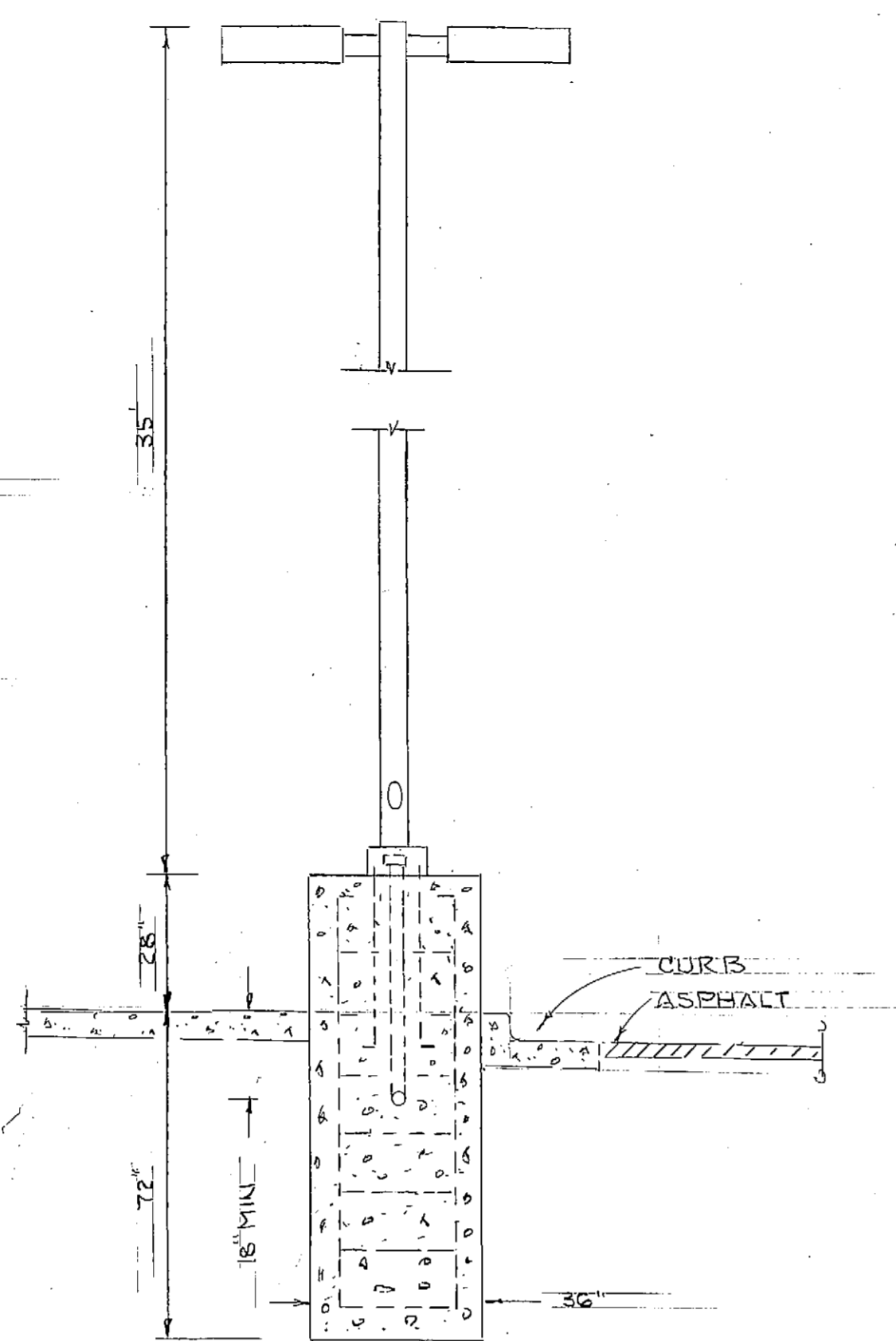
GRADE

4" #12 @ 12" O.C. EW

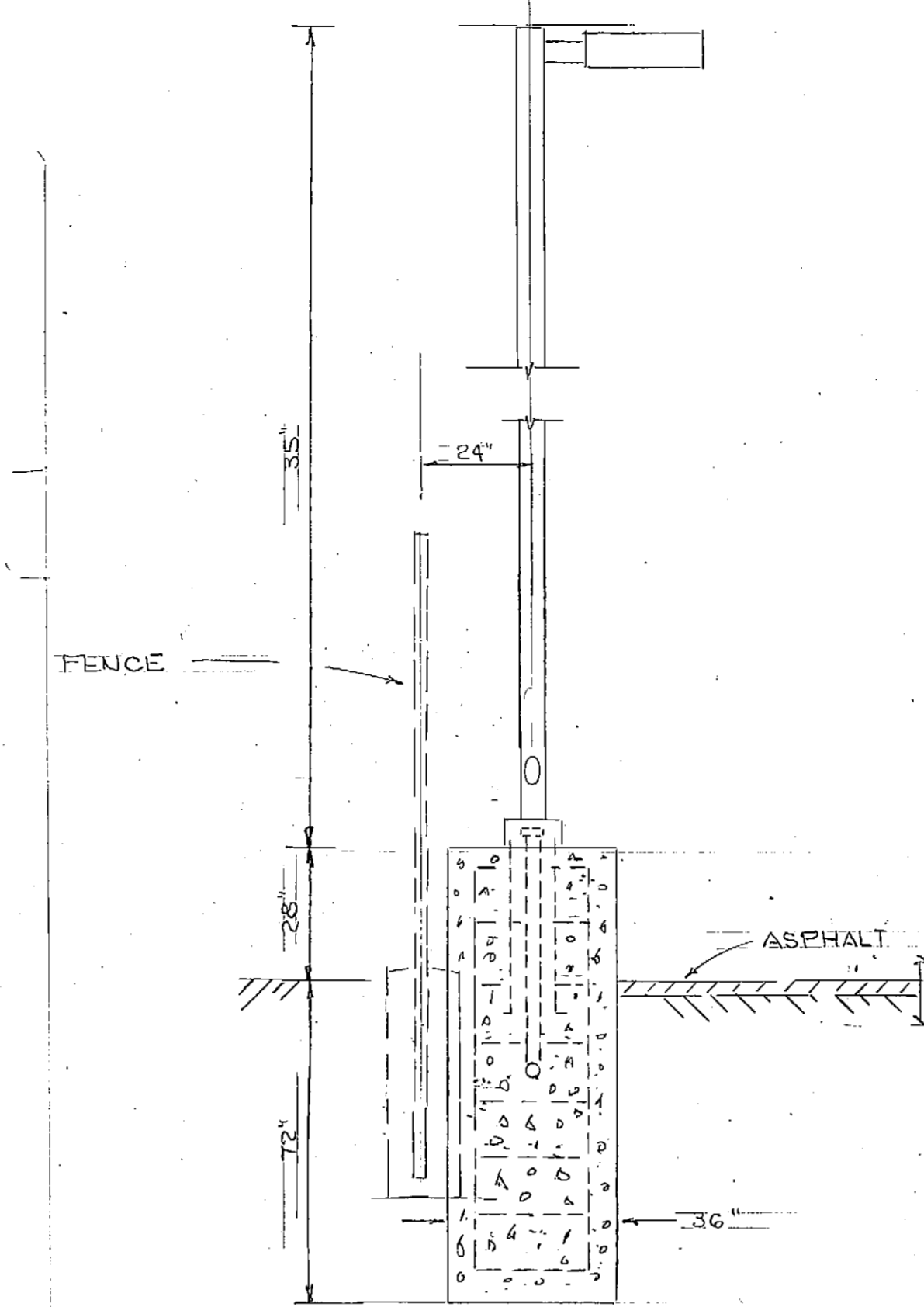
CLASS A CONCRETE



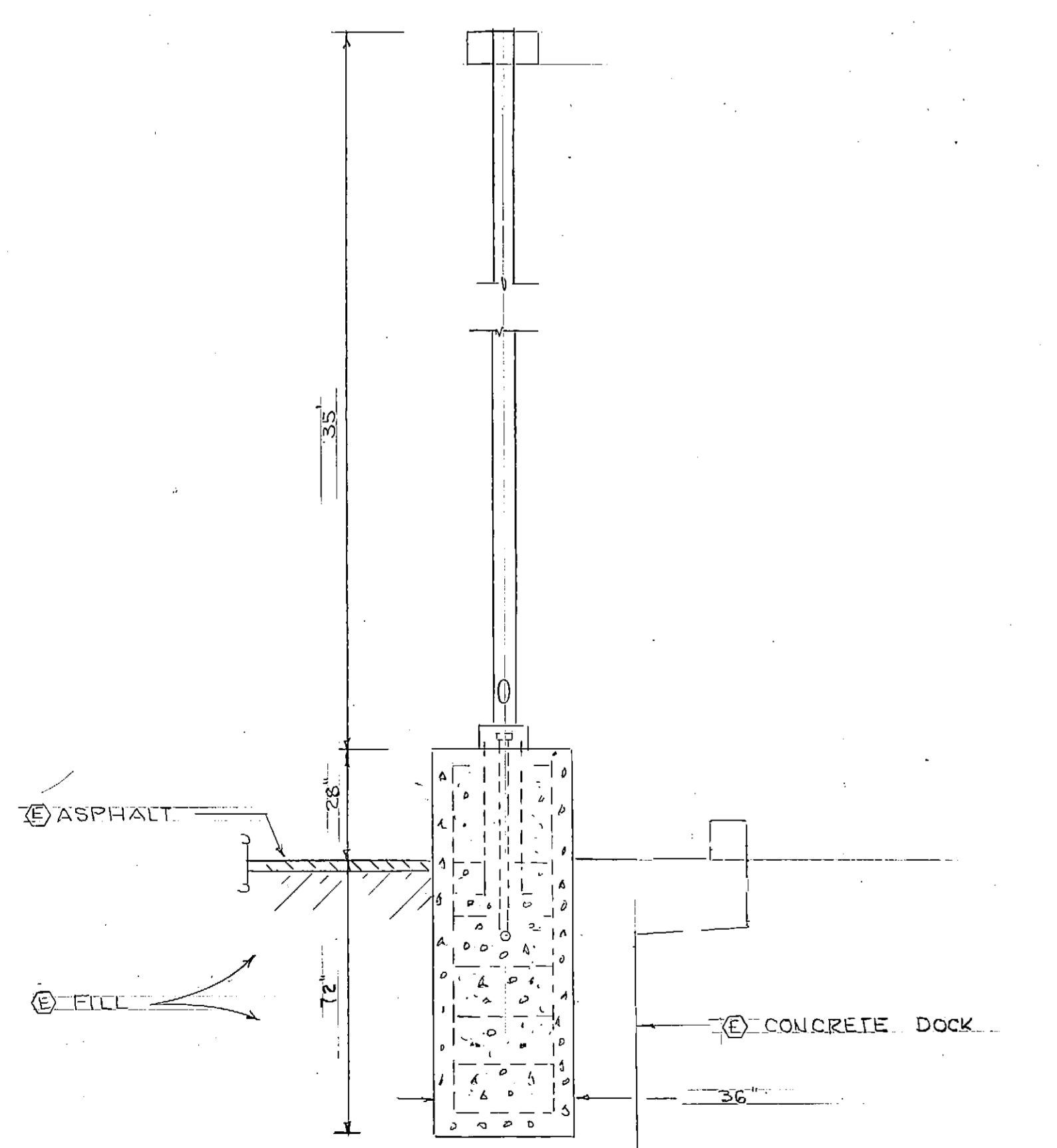
FIXTURE TYPE A  
3/8" x 1'-0"



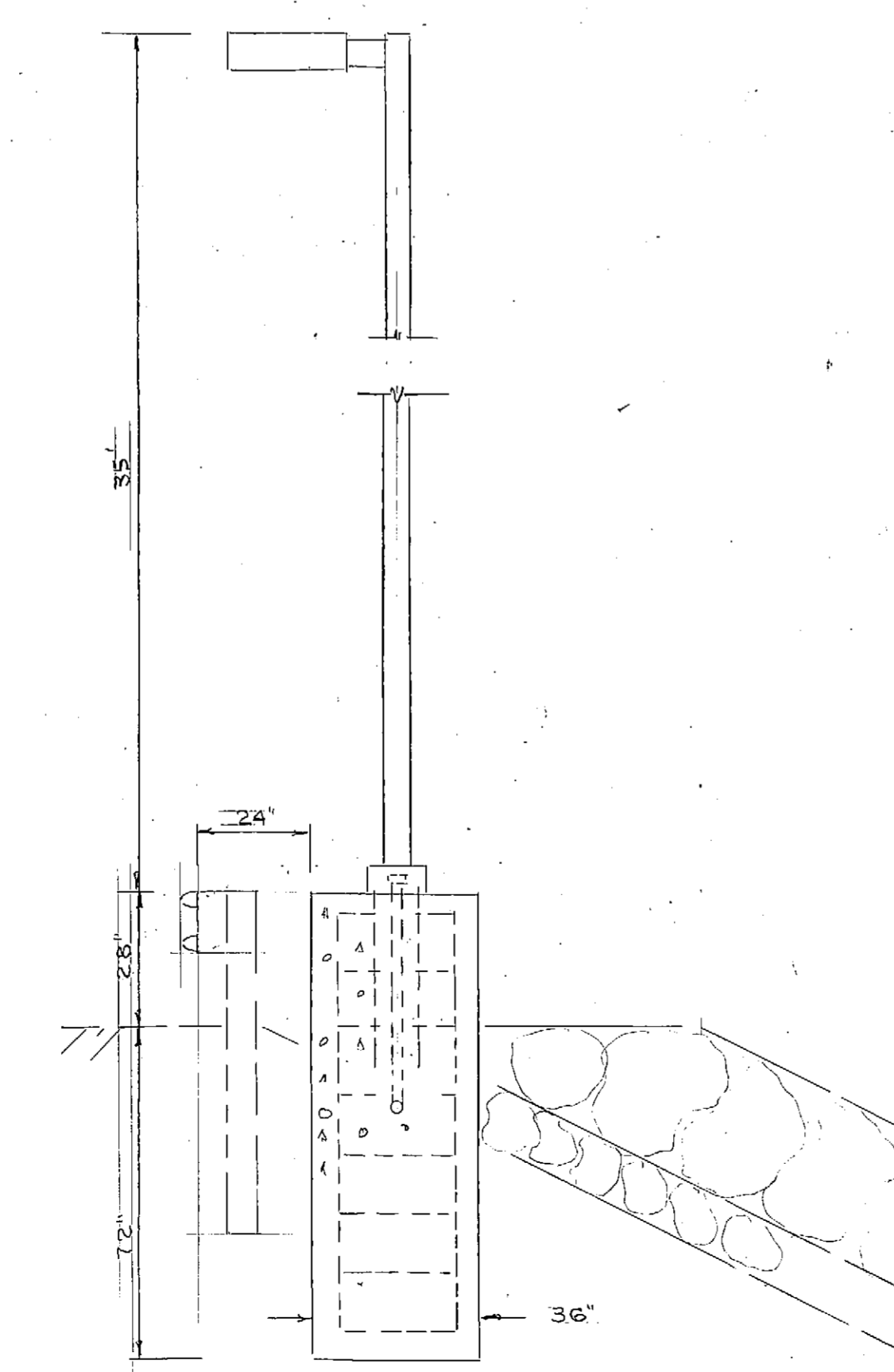
FIXTURE TYPE B  
3/8" x 1'-0"



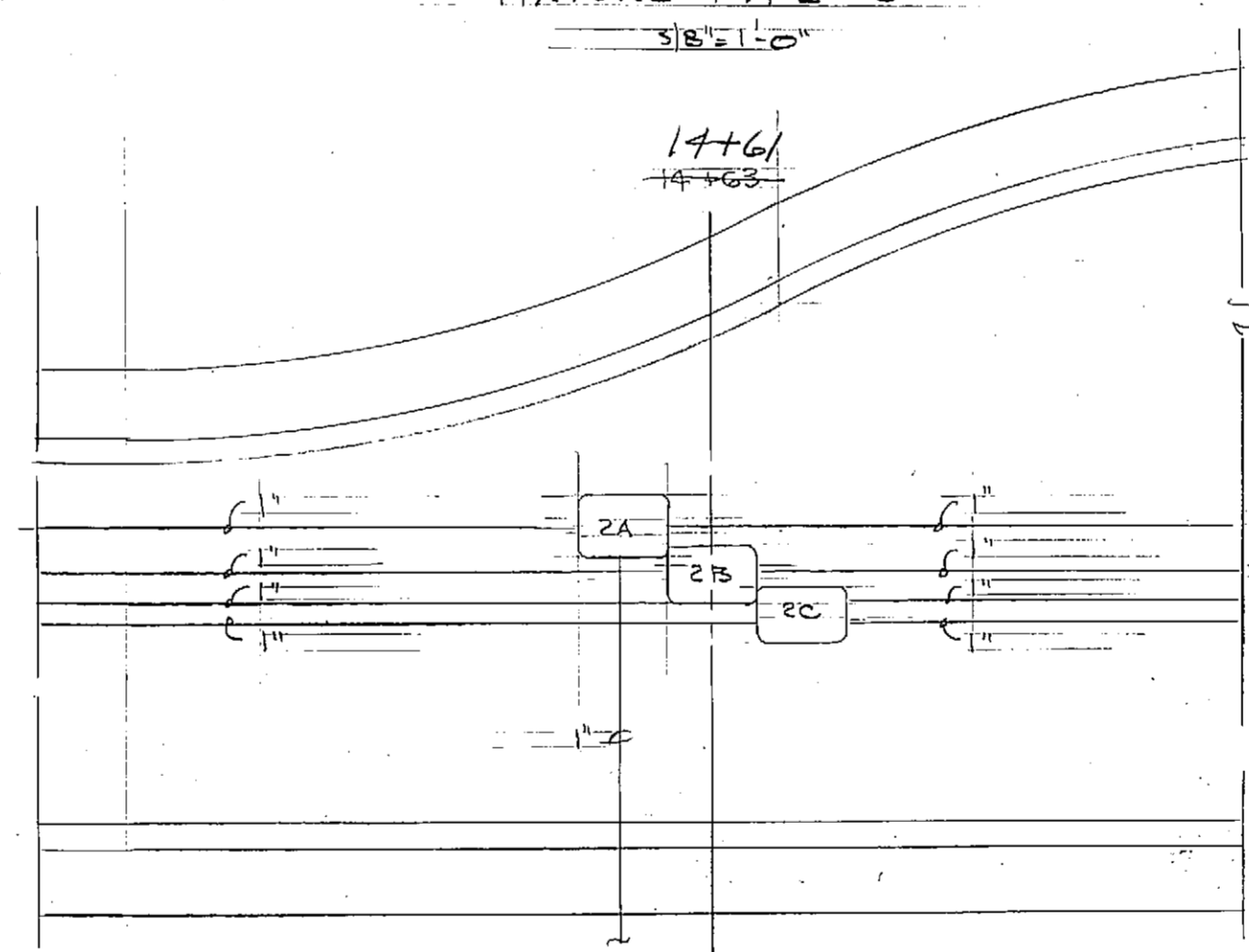
FIXTURE TYPE C  
3/8" x 1'-0"



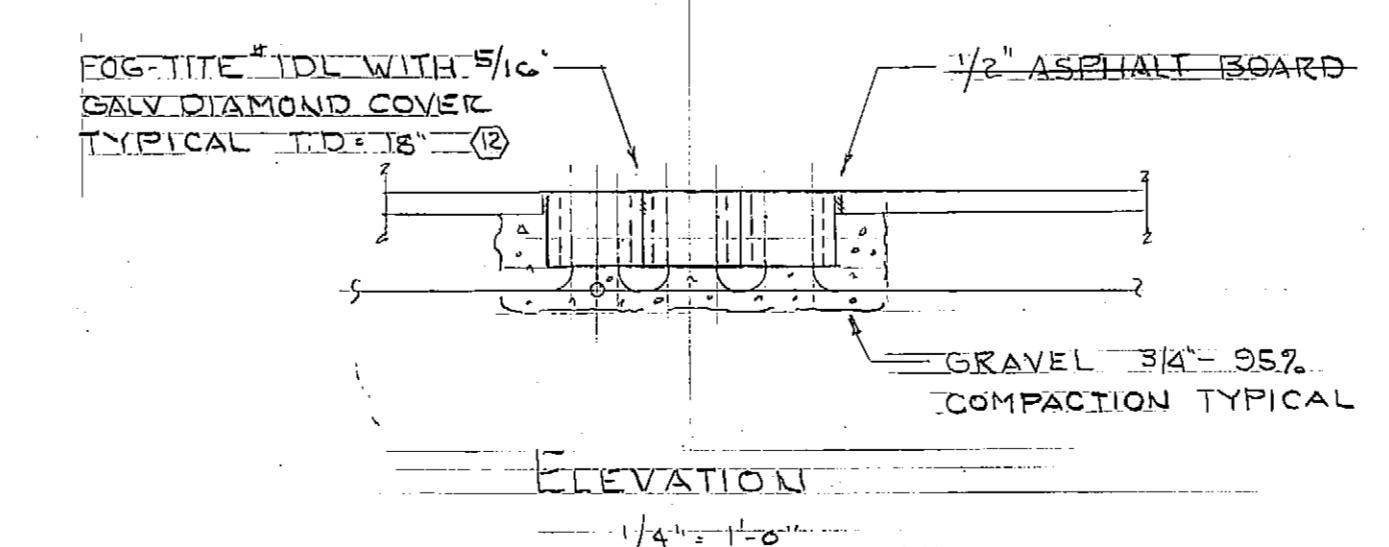
FIXTURE TYPE D  
3/8" x 1'-0"



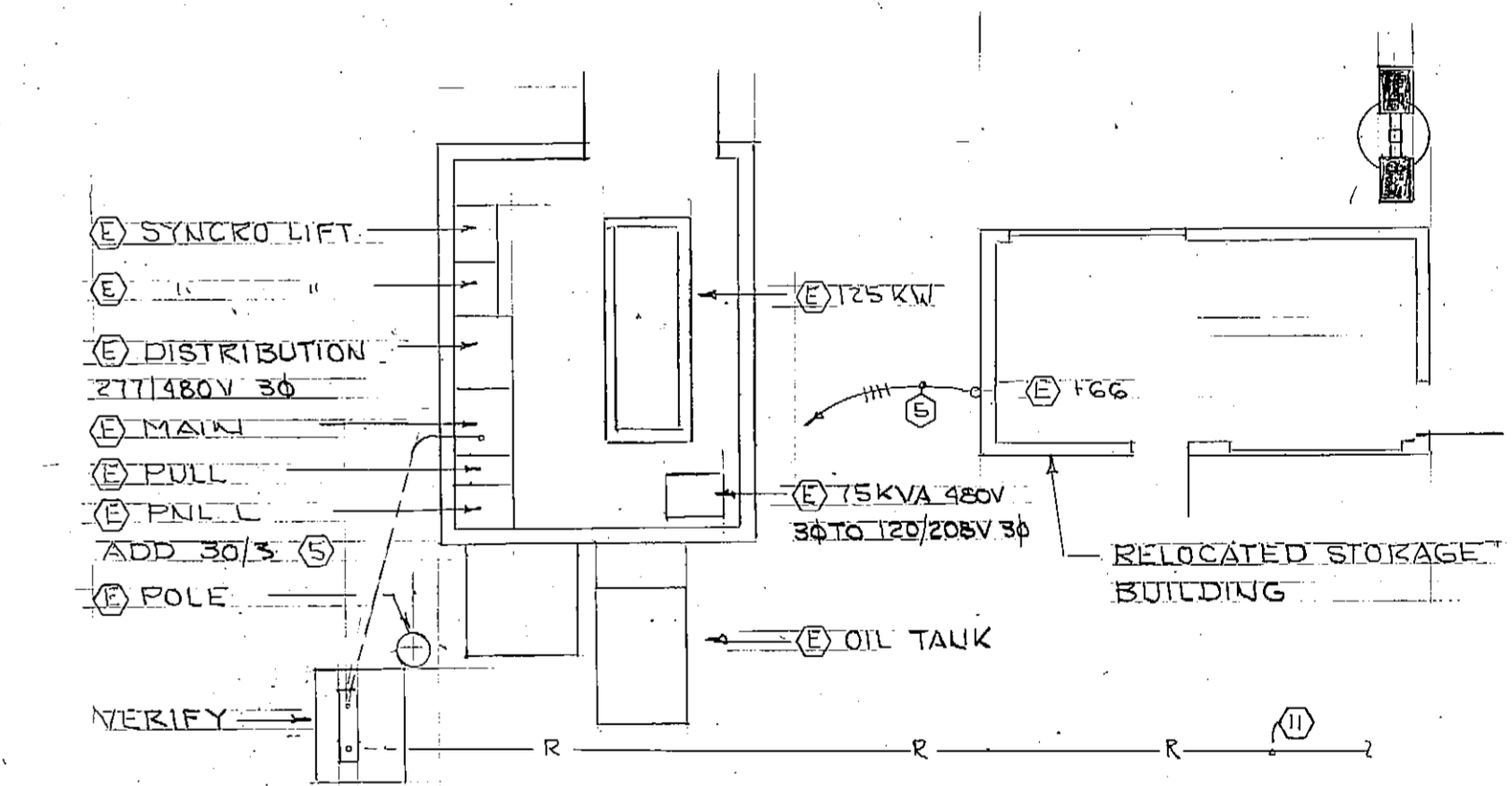
FIXTURE TYPE E  
3/8" x 1'-0"



Pull Box #2  
1/4" x 1'-0"

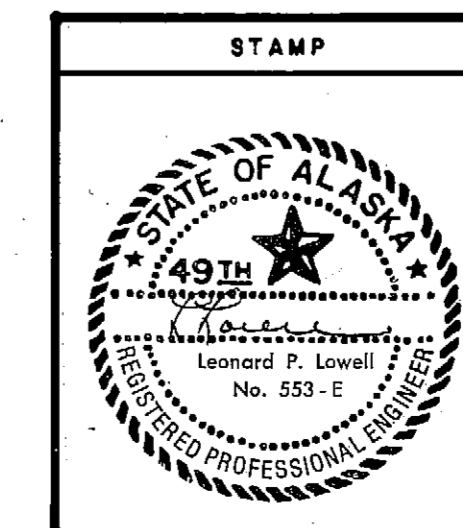


FIXTURE SCHEDULE					
TYPE	MFG	W	REMARKS		
A	DEVINE	PCR 1628-400HPS-DB-217-LEX	400HPS	SEE DETAIL	
	HUBBELL	RCJ 04005-178-1-217-RCS-SPC			# MAA-10-1
	McPHILLEN	TR566-1D-DB-217-VC			
B	DEVINE	PCR 16283-400HPS-DB-217-LEX	2-400HPS		
	HUBBELL	RCJ 04005-178-1-217-RCS-SPC			# MAA-10-1 (2)
	McPHILLEN	TR566-2D-DB-217-VC			
C	SAME AS A		1-400HPS		
D	SAME AS A				
E	SAME AS A				
F	LEF	7444-120	4-40RS	CEILING - 2 LEVEL	
	HOLOPHANE	RT404-4-120-WB	4-40RS		
G	DEVINE	D420-A65-100MV-G-3	100 MV	RECESSED	
	McPHILLEN	4A8243P-120-G			

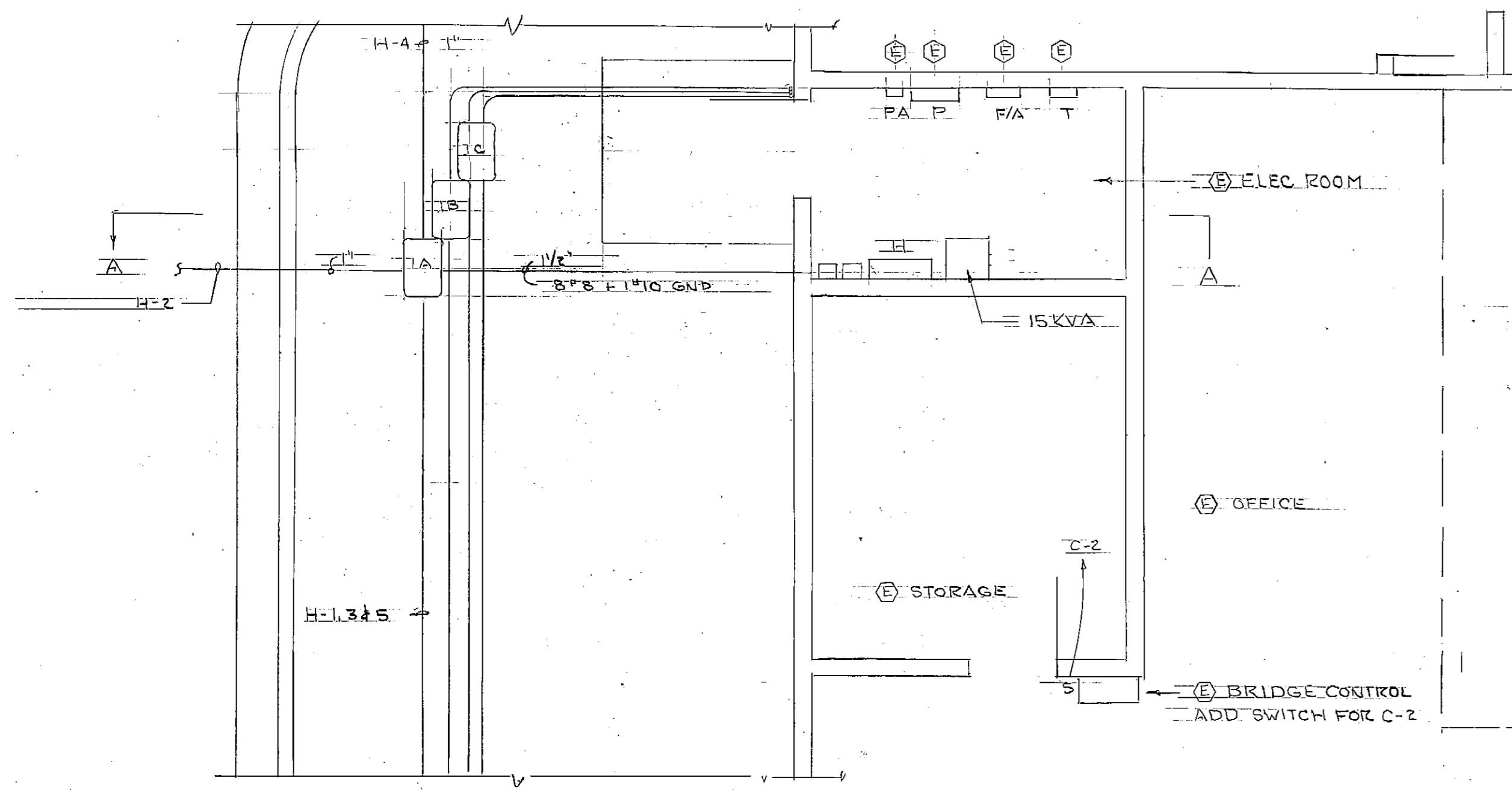


GENERATOR & STORAGE BLD DETAIL  
1/8" x 1'-0"

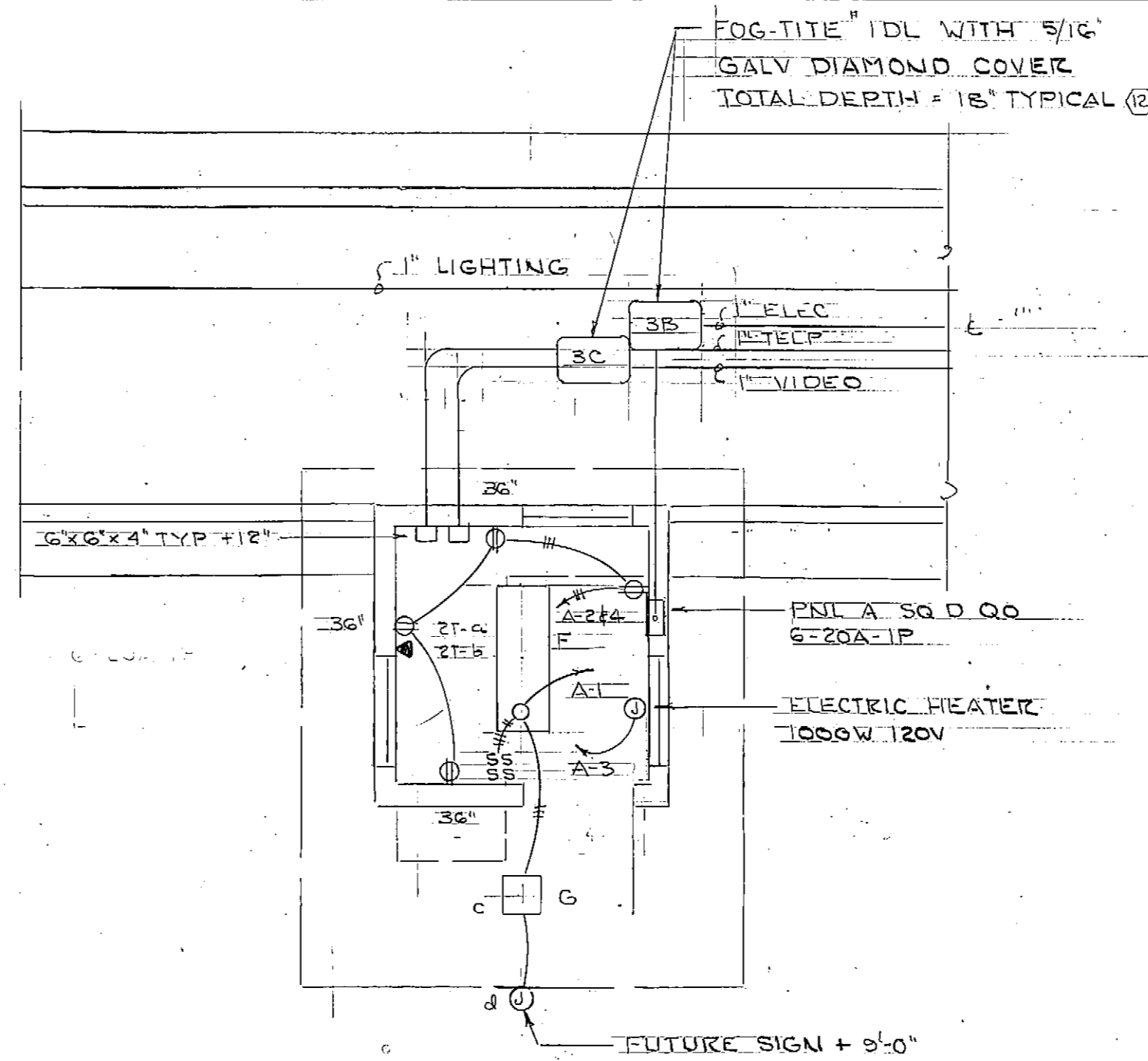
AS-BUILT



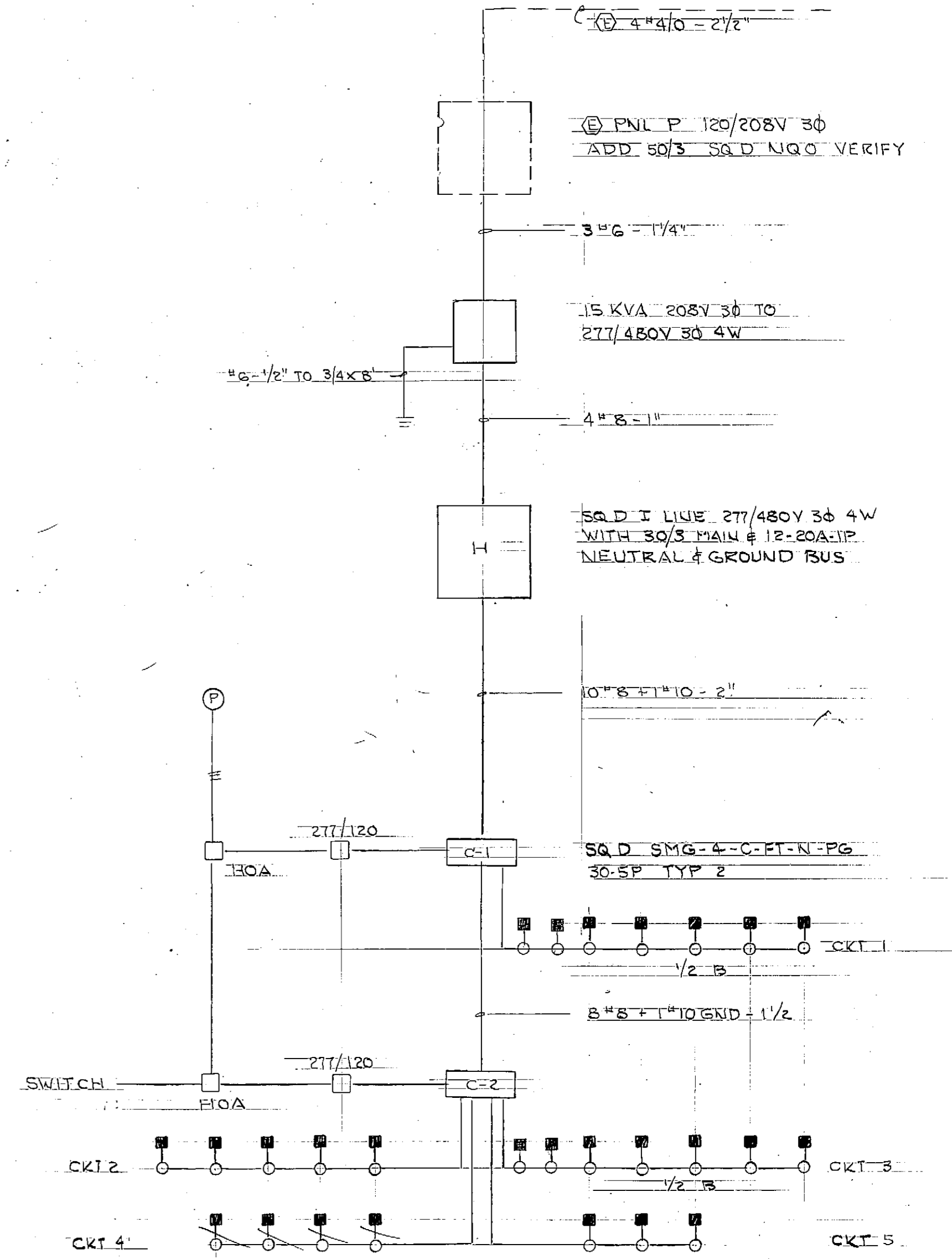
DO NOT SCALE THIS DRAWING - USE DIMENSIONS			
STATE OF ALASKA			
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES			
Haines		Alaska	
ELECTRICAL AND ILLUMINATION			
DESIGNED LPL	CHECKED	DRAWN	DATE JAN 92
PROJECT NUMBER R5-0991(3) & 7503A		SHEET 18 OF 19	



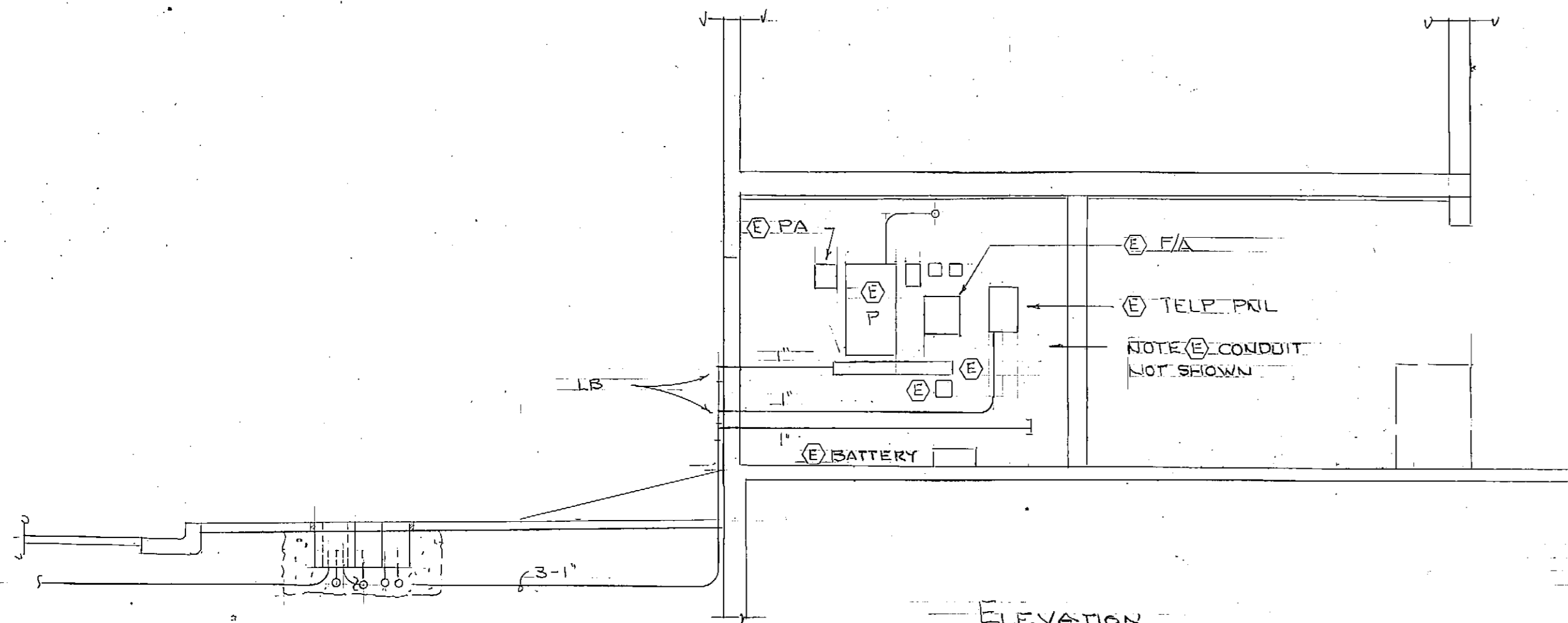
TERMINAL BUILDING PARTIAL PLAN  
1/4" = 1'-0"



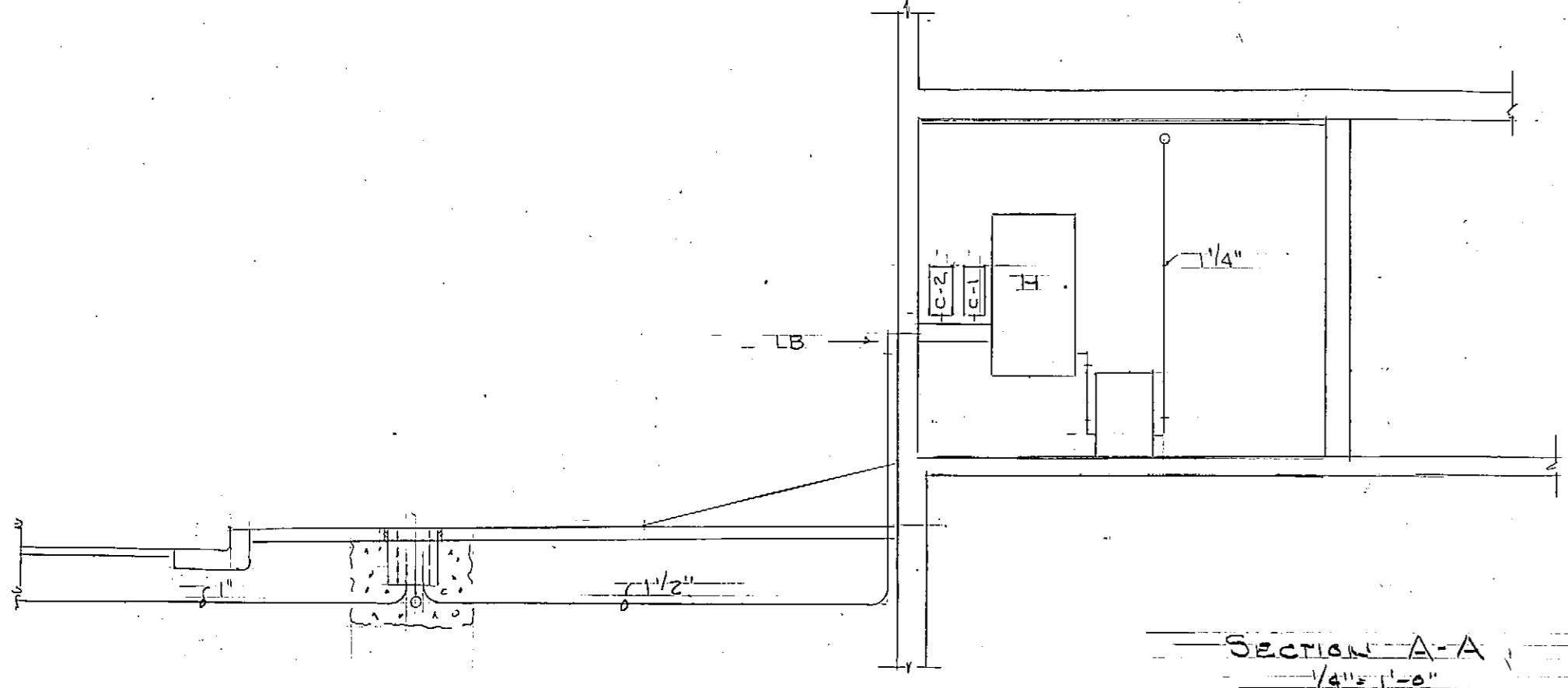
CHECK-IN STATION PLAN  
1/4" = 1'-0"



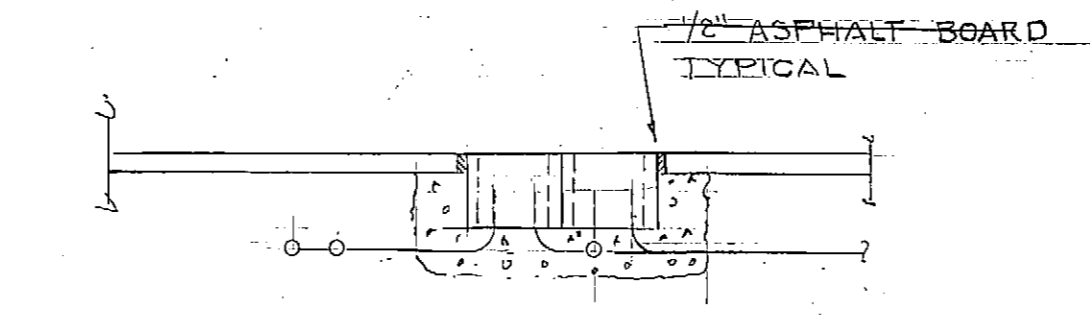
ONE LINE DIAGRAM  
NO SCALE



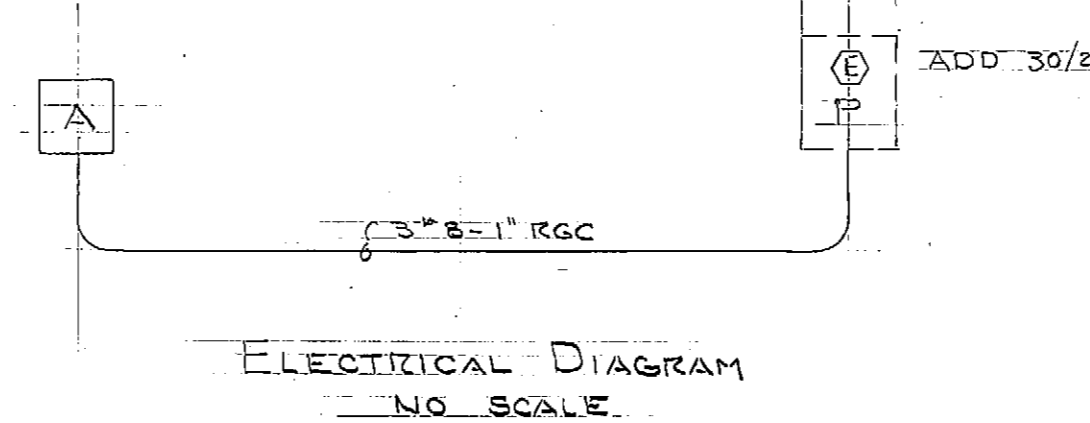
ELEVATION  
1/4" = 1'-0"



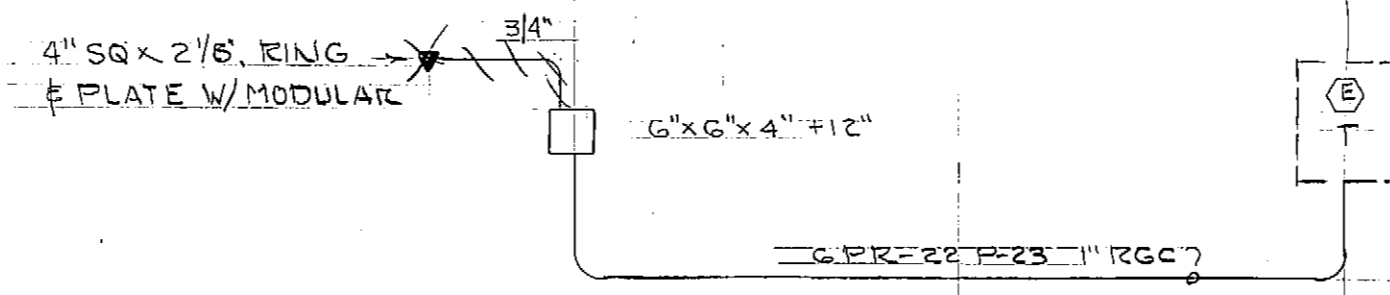
SECTION A-A  
1/4" = 1'-0"



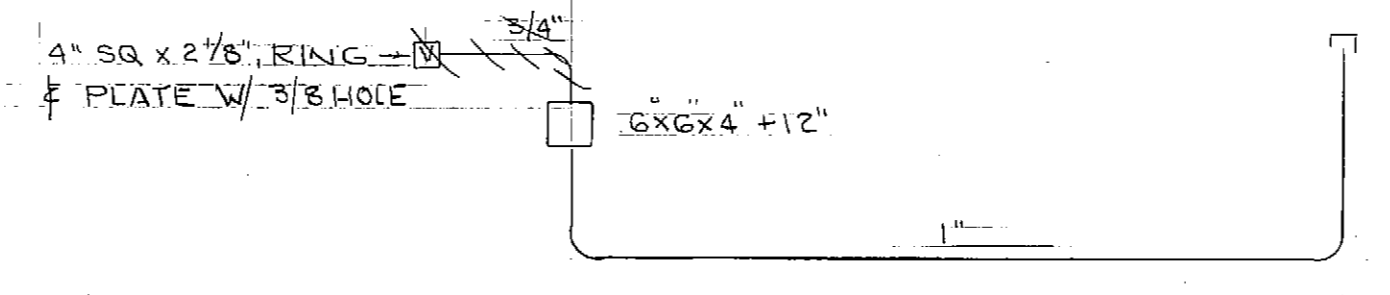
ELEVATION  
1/4" = 1'-0"



ELECTRICAL DIAGRAM  
NO SCALE



TELEPHONE DIAGRAM  
NO SCALE

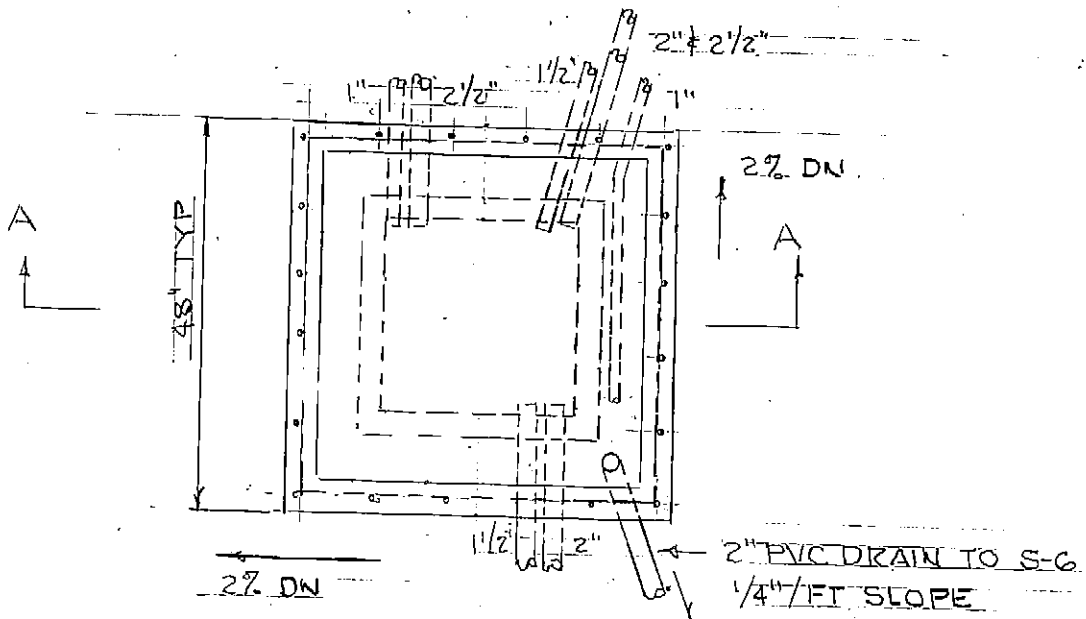
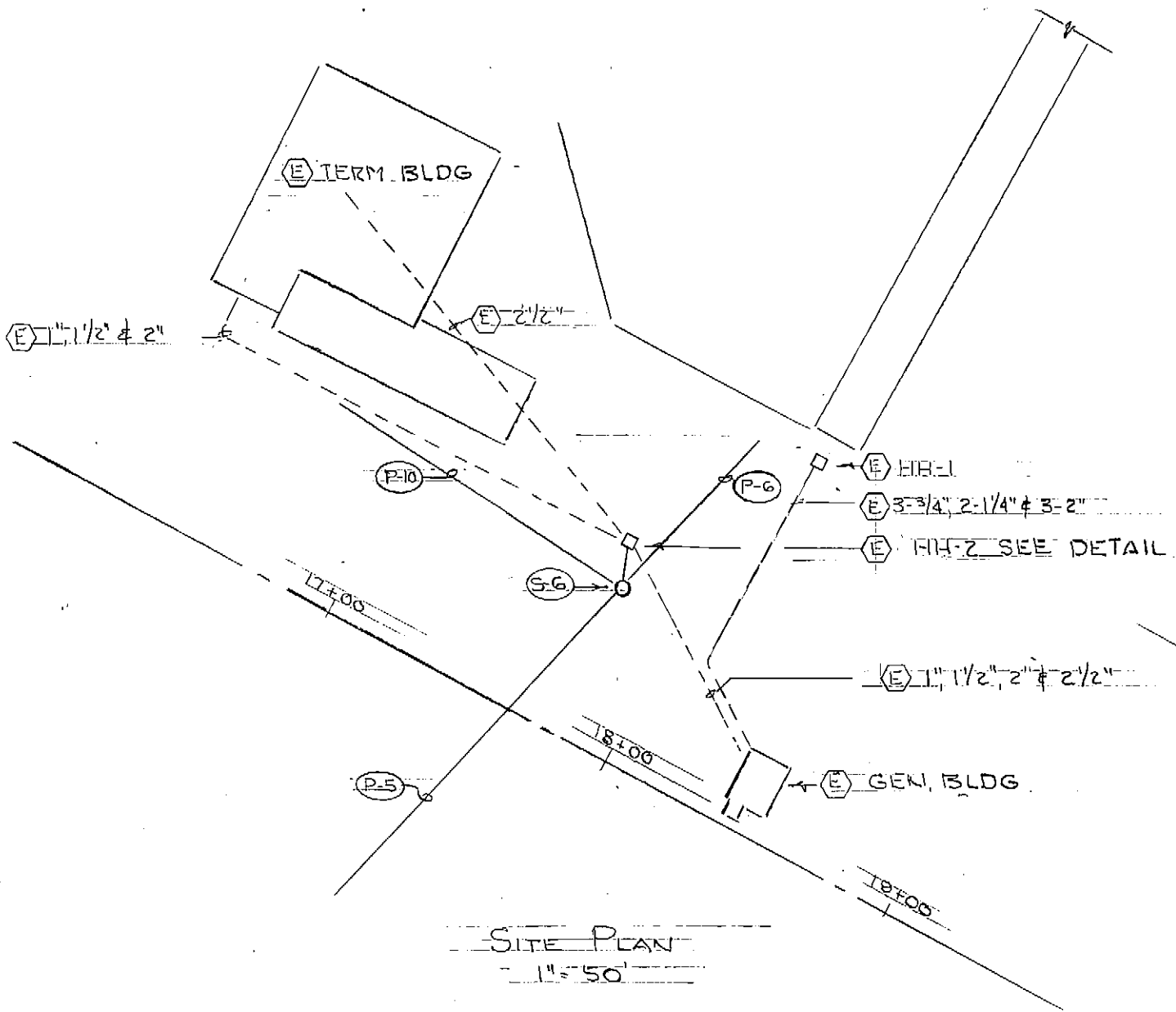


VIDEO DIAGRAM  
NO SCALE

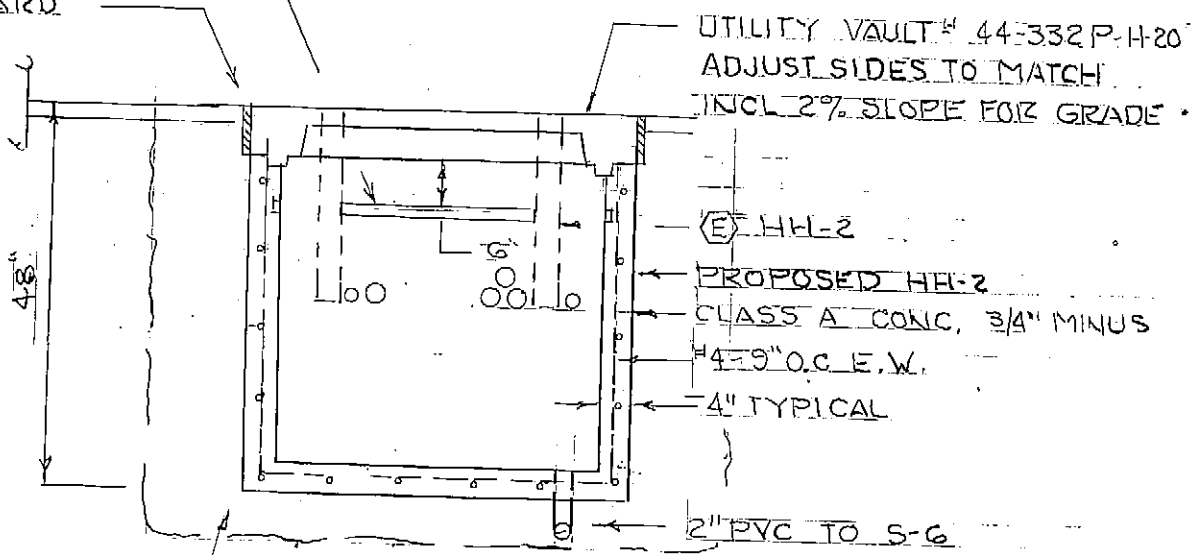
AS-BUILT

E-3

STAMP		DO NOT SCALE THIS DRAWING - USE DIMENSIONS	
		STATE OF ALASKA	
		DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	
DESIGNED: LPL		CHECKED: _____	
PROJECT NUMBER: RS-099(3) - 7503A		DATE: JAN 92	
SHEET: 19		OF 19	

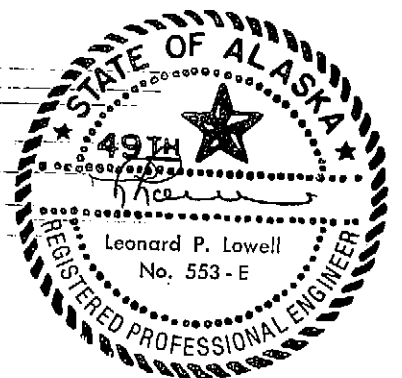


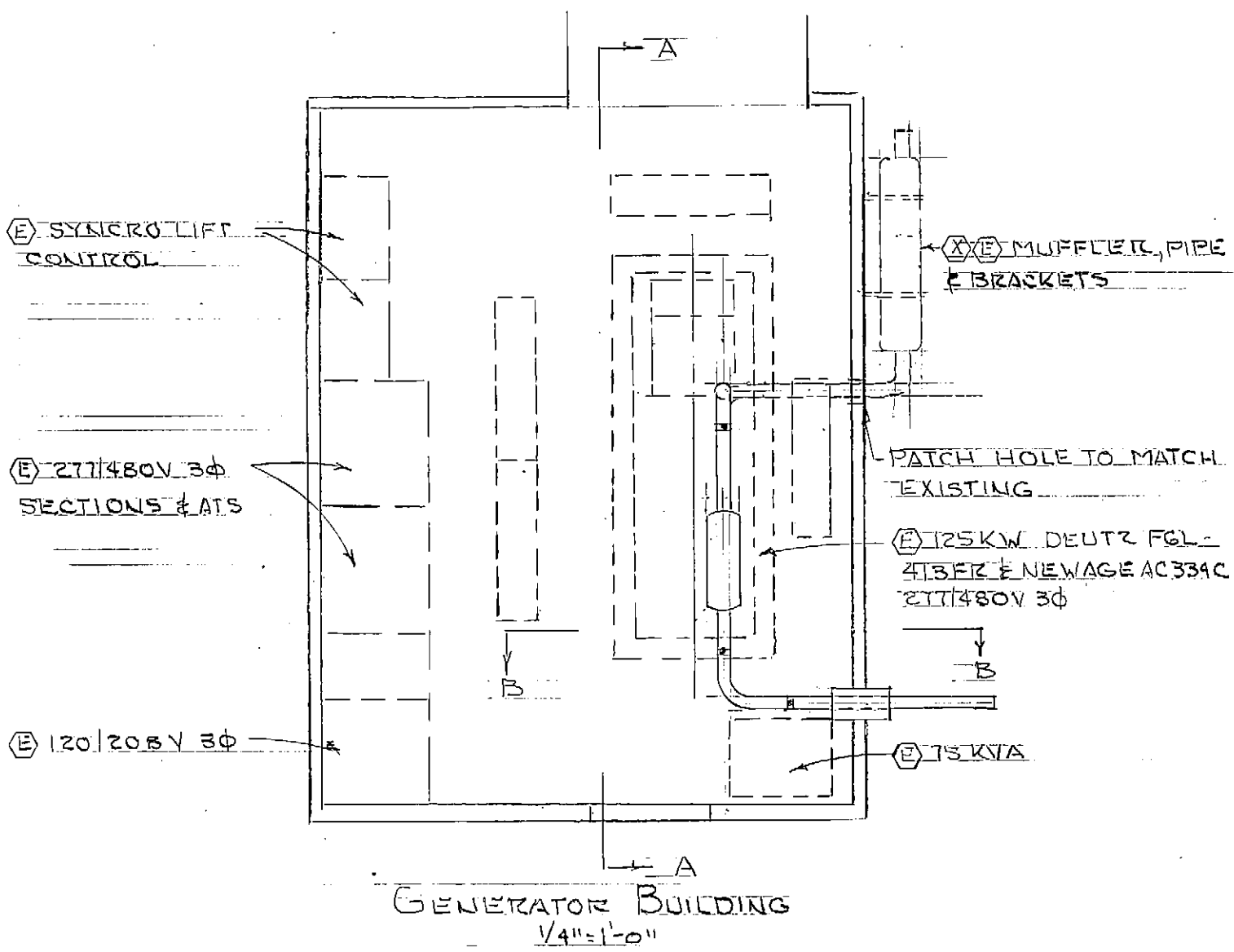
4-"C" CHANNEL - 24" LONG  
1/2" ASPHALT BOARD



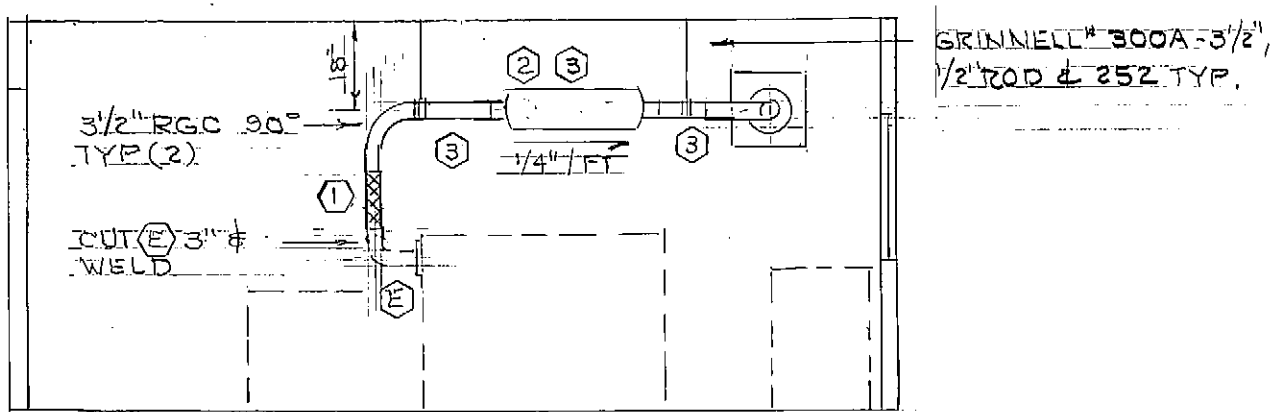
6" BASE COURSE  
95% COMPACTION

HH-2 RECONSTRUCTION  
HAINES FERRY TERMINAL  
PROJECT # RS-0991(3) #75034

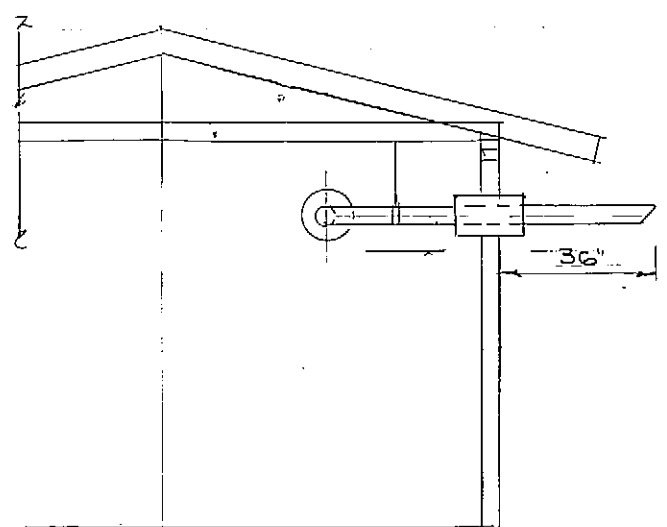
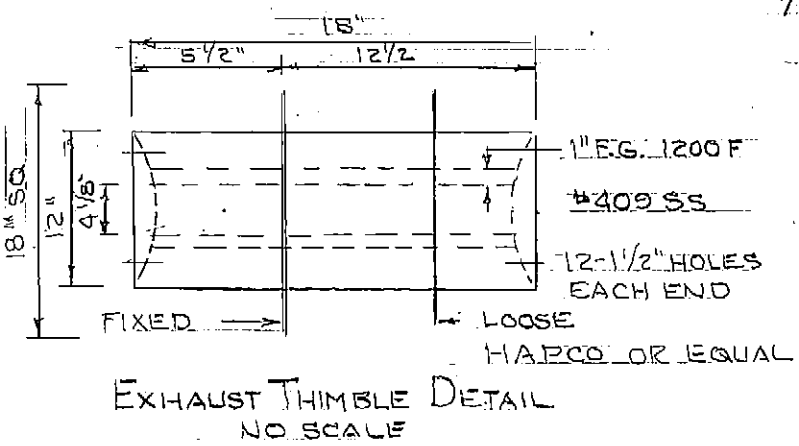




- ① DME TYPE 17-SS-24"L WITH 3" SQUARE CUT WELD BOTTOM & 3 1/2" FEMALE THREADED PIPE TOP
- ② HARCO TYPE VCS MUFFLER # 1030 VCS3-B ~ 3 1/2" MPT
- ③ INSULATE MUFFLER & EXHAUST PIPE EXCEPT FLEX WITHIN BLDG WITH TWO (2) THICK CALCIUM SILICATE PIPE COVERING F.S. HH-I-523c TYPE II

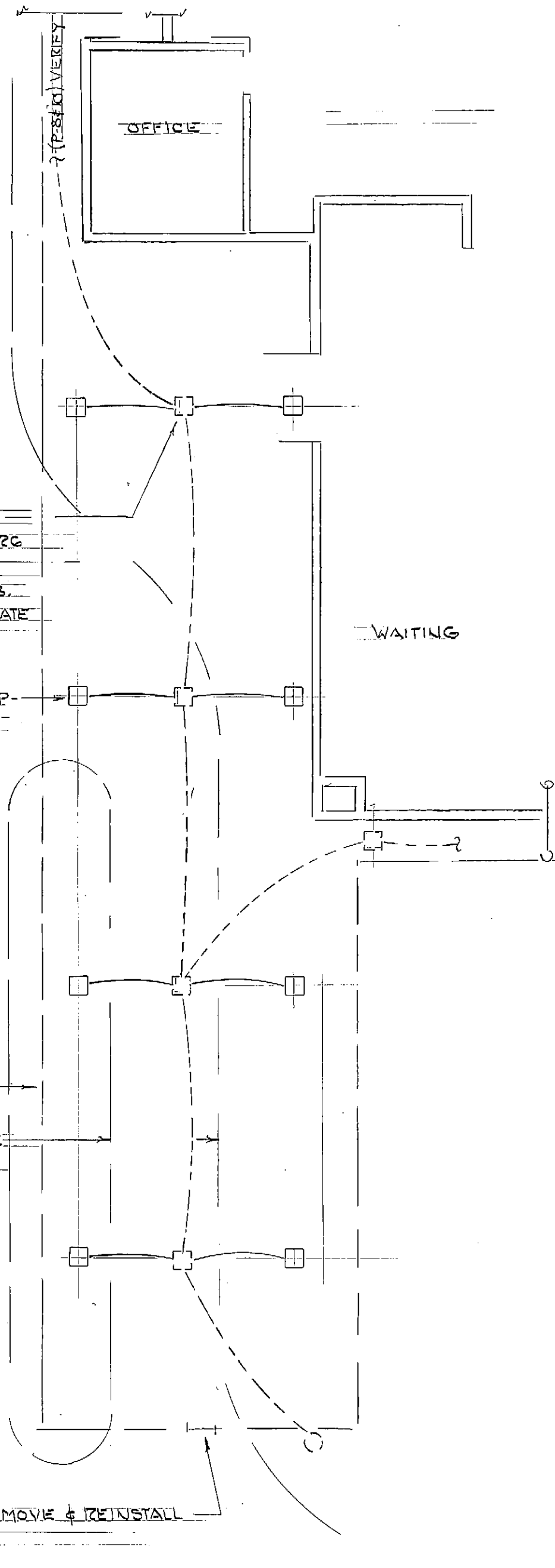


SECTION A-A  
1/4" = 1'-0"



EXHAUST RECONSTRUCTION  
 HAINES FERRY TERMINAL  
 PROJECT # RS-0991(3) # 75034

REVISED 11/5/93  
 10/22/93 LPL



(E) CANOPY RECESSED  
 FIXTURE (DEVINE DIS-AT26  
 150W INC) REMOVE TRIM,  
 SOCKET ETC & USE AS J.B.  
 PROVIDE NEW COVER PLATE  
 TYPICAL 4 - VERIFY

MCPHIL BEN # 4A-8362P-  
 W-120V-70HPS TYP. B

(E) CANOPY  
 (E) TRACK FOR BAGGAGE  
 CART

(E) LOUVER - REMOVE & REINSTALL  
 FOR ACCESS



CANOPY LIGHTING  
 HAINES FERRY TERMINAL  
 PROJECT # RS 0991(3) # 75034