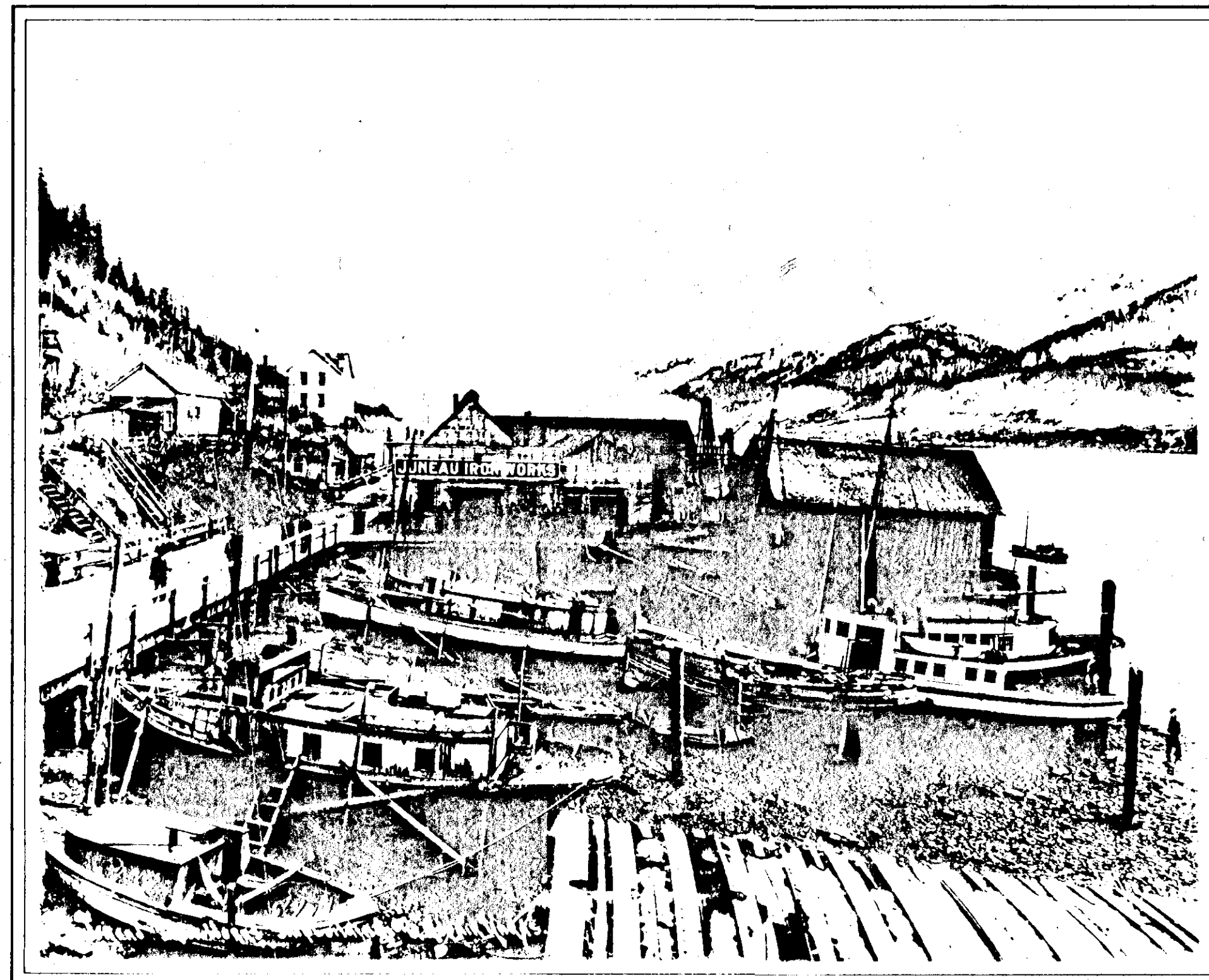


# SOUTH FRANKLIN STREET

## PHASE III



Alaska Historical Library 1910 Winter & Ponds

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
&  
PUBLIC FACILITIES

CITY AND BOROUGH OF JUNEAU  
DEPARTMENT OF ENGINEERING  
E87-007

JUNEAU SOUTH FRANKLIN RECONSTRUCTION  
F-093-2(23) (69260)

DESIGN SPEED	
STA "SF" 10+00 TO STA "SF" 19+41.12 = 20 MPH	
DESIGN DESIGNATION	
ADT 1987	= 3738
ADT 2007	= 5554
DHV 15%	= 883
% T	= 7.0%
T1	= 8.0
APPLICABLE STANDARD DRAWINGS AND DETAILS	
The following Standard Drawings & Details shall apply:	
Department of Transportation & Public Facilities Standard Drawings:	
C-01.02, C-02.00, C-03.01, D-20.01, D-26.01, S-00.00, S-05.00, S-20.00, S-30.01, T-20.00, T-21.01, T-22.01	
City & Borough of Juneau Standard Details:	
1, 2, 3, 4, 5, 6, 7, 8, 9, 10	

TONER-NORDLING & ASSOCIATES INC.

"AS-BUILT"

CONTRACTOR: FOSCO, INC.  
PROJECT ENGINEER: PHIL SPEER - STATE  
DON GOTSCHALL - CITY  
PETE HILDRE - TONER-NORDLING  
BEGIN CONSTRUCTION: MARCH 20, 1987  
COMPLETE CONSTRUCTION: JUNE 26, 1987 - ROADWAY  
AUGUST 1, 1987 - SUPPLEMENTAL WORK  
SEPTEMBER 24, 1987 - ELECTRICAL

*Phil Speer*  
11/6/87



**KEY MAP**  
NO SCALE

**VERTICAL CONTROL**

- TBM 1 EI = 29.64 Painted square on NW corner of Cold Storage building 3' above the sidewalk
- TBM 2 EI = 26.00 Brass cap in sidewalk @ NW corner of S Franklin & Warners Wharf
- TBM 3 EI = 29.08 Painted bolt on top of fire hydrant next to the City Cafe

NOTE: Elevations are based on City & Borough of Juneau Datum Franklin/Ferry Way Street Renovation Project

**LEGEND**

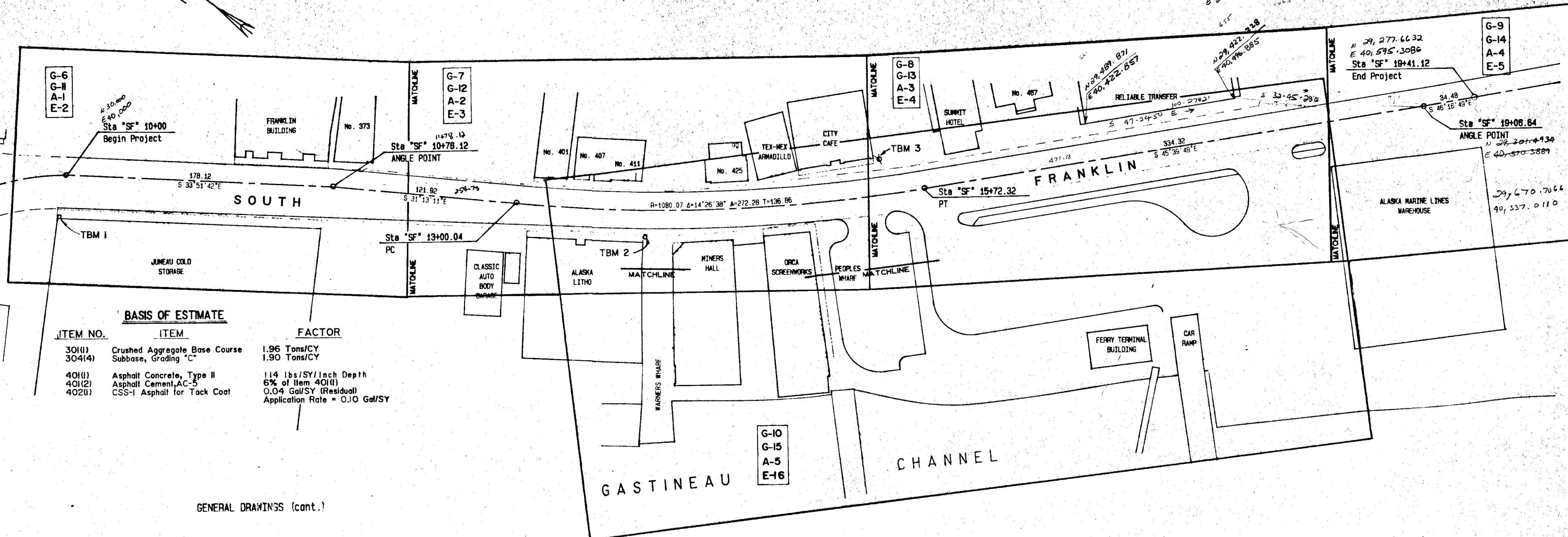
- Existing Well Monument (Found)
- PK & Washer (Set This Project)

**HORIZONTAL CONTROL**

The Basis of Bearing for this project is the bearing of S 77°07'54"E as calculated from ties to the previous City and Borough of Juneau "South Franklin Street Renovation" project control and the Alaska Tidelands Survey No 3 between found monuments as noted.

The bearing of S 77°06'20"E that is shown is the record bearing for DOT/PF and is for informational purposes only.

*DS 11/6/87*



GENERAL DRAWINGS

GENERAL DRAWINGS (cont.)

DRAWING No.	TITLE	SHEET No.
G-1	COVER SHEET	1 of 45
G-2	INDEX TO PLANS & PROJECT AREA MAP	2 of 45
G-3	GENERAL NOTES, LEGEND & ABBREVIATIONS	3 of 45
G-4	TYPICAL SECTIONS & ESTIMATE OF QUANTITIES	4 of 45
G-5	TRAFFIC CONTROL PLAN	5 of 45
G-6	SEWER WATER & STORM DRAIN Sta. "SF" 10+00.00 TO Sta. "SF" 12+27.37	6 of 45
G-7	SEWER WATER & STORM DRAIN Sta. "SF" 12+27.37 TO Sta. "SF" 15+33.70	7 of 45
G-8	SEWER WATER & STORM DRAIN Sta. "SF" 13+33.70 TO Sta. "SF" 18+42.64	8 of 45
G-8	SEWER WATER & STORM DRAIN Sta. "SF" 18+42.64 TO Sta. "SF" 19+41.12	9 of 45
G-10	SEWER WATER & STORM DRAIN Cruise Ship Terminal & Warners Wharf	10 of 45

DRAWING No.	TITLE	SHEET No.
G-11	PAVING, SIDEWALK, CURB & GUTTER, LIGHTING Sta. "SF" 10+00.00 TO Sta. "SF" 12+27.37 SWING TIES TO GATE VALVES	11 of 45
G-12	PAVING, SIDEWALK, CURB & GUTTER, LIGHTING Sta. "SF" 12+27.37 TO Sta. "SF" 15+33.70 SWING TIES TO GATE VALVES	12 of 45
G-13	PAVING, SIDEWALK, CURB & GUTTER, LIGHTING Sta. "SF" 15+33.70 TO Sta. "SF" 18+42.64 SWING TIES TO GATE VALVES	13 of 45
G-14	PAVING, SIDEWALK, CURB & GUTTER, LIGHTING Sta. "SF" 18+42.64 TO Sta. "SF" 19+41.12 SWING TIES TO GATE VALVES	14 of 45
G-15	PAVING, SIDEWALK, CURB & GUTTER, LIGHTING Cruise Ship Terminal & Warners Wharf	15 of 45
G-16	SANITARY SEWER & STORM DRAIN MANHOLES CATCH BASINS & MISCELLANEOUS DETAILS	16 of 45
G-17	RETAINING WALLS, WALKWAYS & MISCELLANEOUS DETAILS	17 of 45
G-18	SUBSTRUCTURE AS-BUILTS	18 of 45
G-19	SUBSTRUCTURE AS-BUILTS	19 of 45
G-20	SUBSTRUCTURE AS-BUILTS	20 of 45

LANDSCAPE DRAWINGS

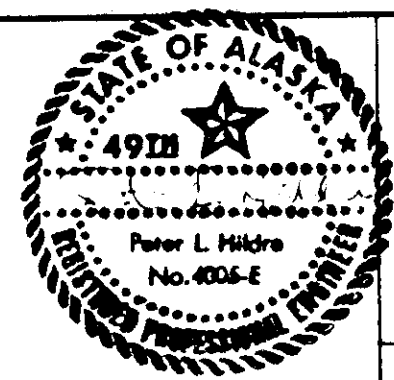
DRAWING No.	TITLE	SHEET No.
A-1	SIDEWALK FINISH & LANDSCAPE FEATURES Sta. "SF" 10+00.00 TO Sta. "SF" 12+27.37	21 of 45
A-2	SIDEWALK FINISH & LANDSCAPE FEATURES Sta. "SF" 12+27.37 TO Sta. "SF" 15+33.70	22 of 45
A-3	SIDEWALK FINISH & LANDSCAPE FEATURES Sta. "SF" 15+33.70 TO Sta. "SF" 18+42.64	23 of 45
A-4	SIDEWALK FINISH & LANDSCAPE FEATURES Sta. "SF" 18+42.64 TO Sta. "SF" 19+41.12	24 of 45
A-5	SIDEWALK FINISH & LANDSCAPE FEATURES Cruise Ship Terminal	25 of 45
A-6	LANDSCAPE AND SITE FINISH DETAILS	26 of 45
A-7	LANDSCAPE SITE AND PLANTING DETAILS	27 of 45

ELECTRICAL DRAWINGS (cont.)

DRAWING No.	TITLE	SHEET No.
E-1	SITE PLAN AND LEGEND	28 of 45
E-2	STREET PLAN AND PROFILE No. 1	29 of 45
E-3	STREET PLAN AND PROFILE No. 2	30 of 45
E-4	STREET PLAN AND PROFILE No. 3	31 of 45
E-5	STREET PLAN AND PROFILE No. 4	32 of 45
E-6	DUCTBANK SECTIONS	33 of 45
E-7	MANHOLE DUCT SECTIONS	34 of 45
E-8	MANHOLE, HANDHOLE & VAULT DETAILS	35 of 45

DRAWING No.	TITLE	SHEET No.
E-9	EMING WAY VAULT DETAILS	36 of 45
E-10	TELEPHONE TRUNK DIAGRAM, PRIMARY POWER DIAGRAM, & DETAILS	37 of 45
E-11	SERVICE DETAILS, MARTIN WAY & BOHOFF WAY STAIRS	38 of 45
E-12	SERVICE DETAILS	39 of 45
E-13	SERVICE DETAILS CARROL WAY STAIRWAY	40 of 45
E-14	SERVICE DETAILS	41 of 45
E-15	SERVICE DETAILS	42 of 45
E-16	DOCK AREA PLAN & DETAILS	43 of 45
E-17	STREET LIGHT	44 of 45
E-18	RACEWAY SCHEDULES	45 of 45

STATUS	DATE PRINTED



**TONER-NORDLING & ASSOCIATES, INC.**  
114 SOUTH FRANKLIN STREET SUITE 204  
JUNEAU, ALASKA 99801  
(907) 586-2315

DRAWN BY: STAFF    DESIGNED BY: PLH    CHECKED BY: CBJ/DOT/PF

CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

INDEX TO PLANS &  
PROJECT AREA MAP

DATE: OCTOBER 1986    JOB NO.: E 87-007    SCALE: 1"=40' HORIZONTAL

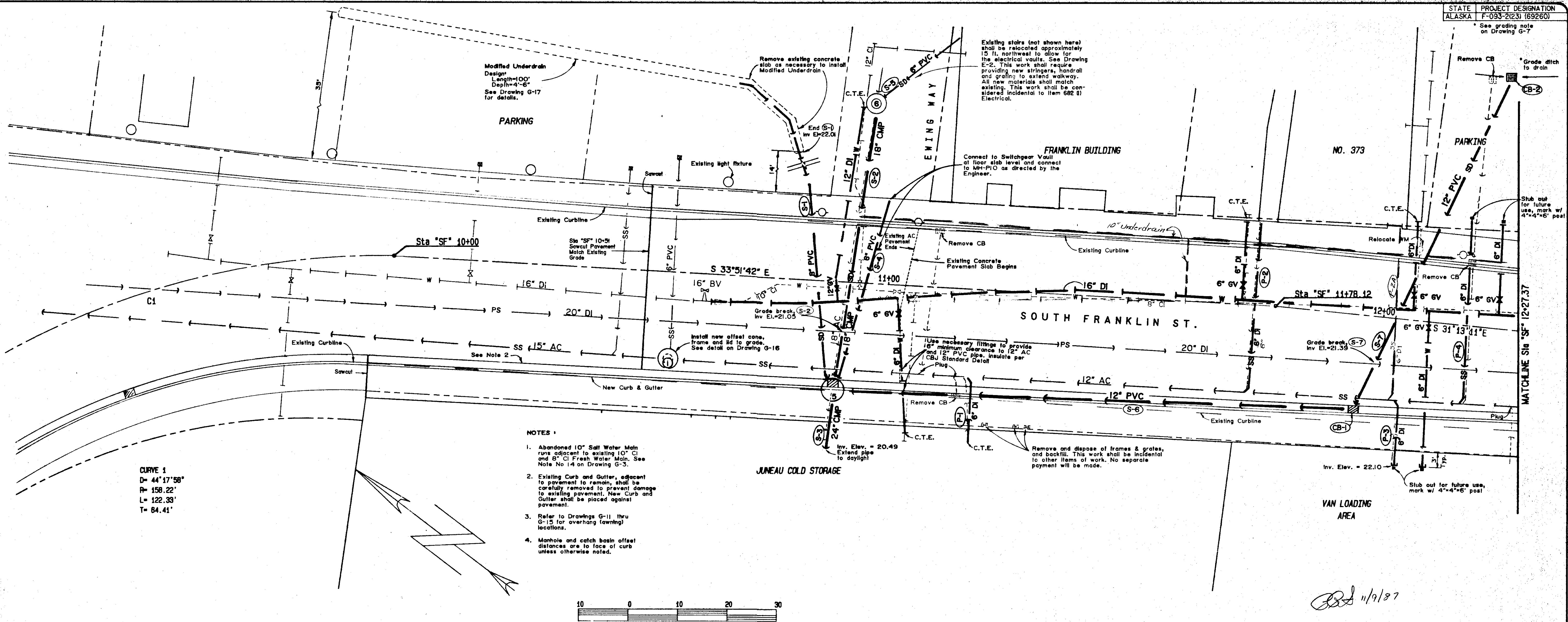
DRAWING NO.  
**G-2**

SHEET NO.  
**2 of 45**



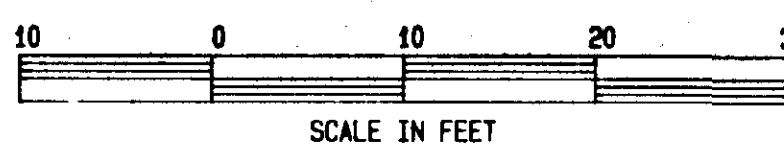




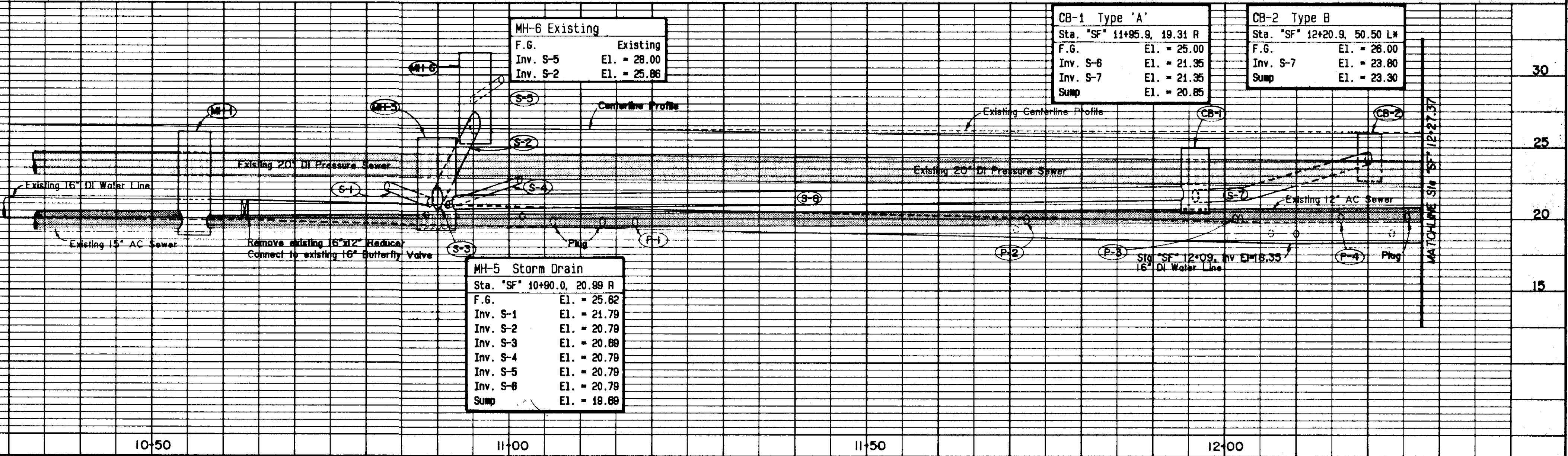


CURVE 1  
D= 44'17\"/>

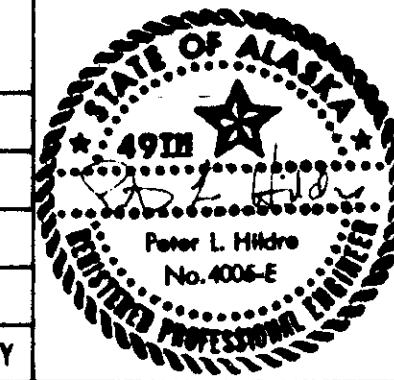
- NOTES:
1. Abandoned 10\"/>



PIPE SUMMARY THIS SHEET								
SANITARY SEWER			STORM DRAIN			STORM DRAIN		
PIPE	DIAM.	LENGTH	MAT'L	SLOPE	PIPE	DIAM.	LENGTH	MAT'L
P-1	8"	13'	DI	CTE	S-1	8"	55'	PVC
P-2	8"	35'	DI	CTE	S-2	18"	58'	CMP
P-3	8"	13'	DI	0.179	S-3	24"	12'	CMP
P-4	8"	37'	DI	0.092	S-4	8"	42'	PVC
					S-5	8"	21'	PVC
					S-6	12"	106'	PVC
					S-7	12"	74'	PVC



DATE	REVISIONS	BY



**TONER-NORDLING & ASSOCIATES, INC.**  
114 SOUTH FRANKLIN STREET SUITE 204  
JUNEAU, ALASKA 99801  
(907) 588-2315

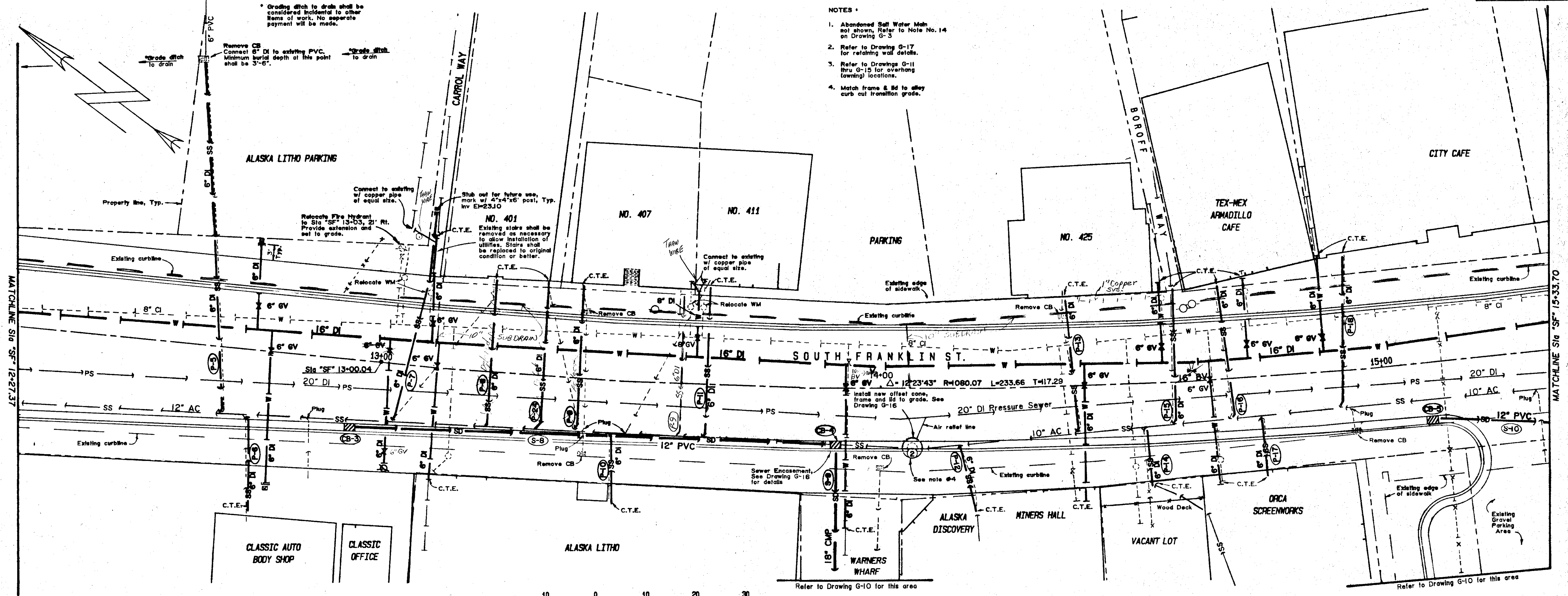
DRAWN BY: STAFF  
DESIGNED BY: PLH  
CHECKED BY: CBJ/DOT/PF

CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

SEWER, WATER & STORM DRAIN  
Sta "SF" 10+00.00 TO Sta "SF" 12+27.37

DATE: OCTOBER 1986  
JOB NO.: E 87-007  
SCALE: 1"=10' HORIZONTAL

DRAWING NO.  
G-6  
SHEET NO.  
6 of 45

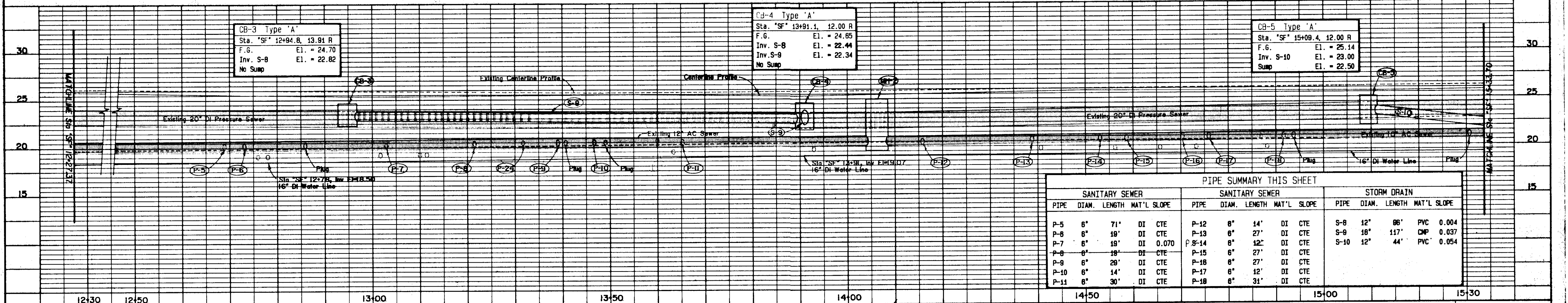


- NOTES:
- Abandoned Salt Water Main not shown. Refer to Note No. 14 on Drawing G-5.
  - Refer to Drawing G-17 for retaining wall details.
  - Refer to Drawings G-11 thru G-15 for overhang (awning) locations.
  - Match frame & lid to alley curb cut transition grade.

CB-3 Type 'A'  
Sta. "SF" 12+94.8, 13.91 R  
F.G. E1. = 24.70  
Inv. S-8 E1. = 22.82  
No Sump

CB-4 Type 'A'  
Sta. "SF" 13+91.1, 12.00 R  
F.G. E1. = 24.65  
Inv. S-8 E1. = 22.44  
Inv. S-9 E1. = 22.34  
No Sump

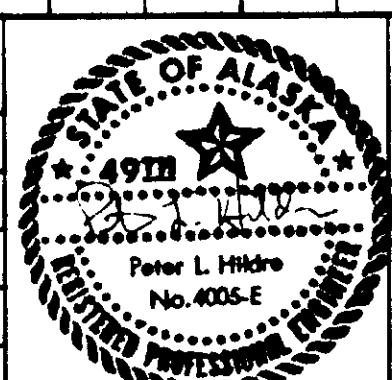
CB-5 Type 'A'  
Sta. "SF" 15+09.4, 12.00 R  
F.G. E1. = 25.14  
Inv. S-10 E1. = 23.00  
Sump E1. = 22.50



PIPE SUMMARY THIS SHEET

SANITARY SEWER				SANITARY SEWER				STORM DRAIN			
PIPE	DIAM.	LENGTH	MAT'L SLOPE	PIPE	DIAM.	LENGTH	MAT'L SLOPE	PIPE	DIAM.	LENGTH	MAT'L SLOPE
P-5	6"	71'	DI CTE	P-12	6"	14'	DI CTE	S-8	12"	86'	PVC 0.004
P-6	6"	19'	DI CTE	P-13	6"	27'	DI CTE	S-9	18"	117'	OMP 0.037
P-7	6"	19'	DI 0.070	P-14	6"	12'	DI CTE	S-10	12"	44'	PVC 0.054
P-8	6"	18'	DI CTE	P-15	6"	27'	DI CTE				
P-9	6"	28'	DI CTE	P-16	6"	27'	DI CTE				
P-10	6"	14'	DI CTE	P-17	6"	12'	DI CTE				
P-11	6"	30'	DI CTE	P-18	6"	31'	DI CTE				

STATUS	DATE PRINTED
DATE	REVISIONS



**TONER-NORDLING & ASSOCIATES, INC.**  
114 SOUTH FRANKLIN STREET SUITE 204  
JUNEAU, ALASKA 99801  
(907) 586-2315

DRAWN BY: STAFF    DESIGNED BY: PLH    CHECKED BY: CBJ/DDT/FF

**CITY & BOROUGH OF JUNEAU**  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

**SEWER, WATER & STORM DRAIN**  
Sta "SF" 12+27.37 TO Sta "SF" 15+33.70

DATE: OCTOBER 1988    JOB NO.: E 87-007    SCALE: 1"=10' HORIZONTAL

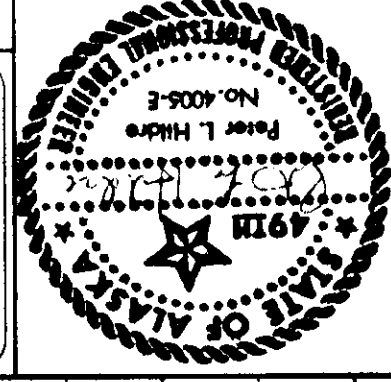
DRAWING NO. **G-7**  
SHEET NO. **7 of 45**

DRAWING NO. 6-8  
SHEET NO. 8 of 45

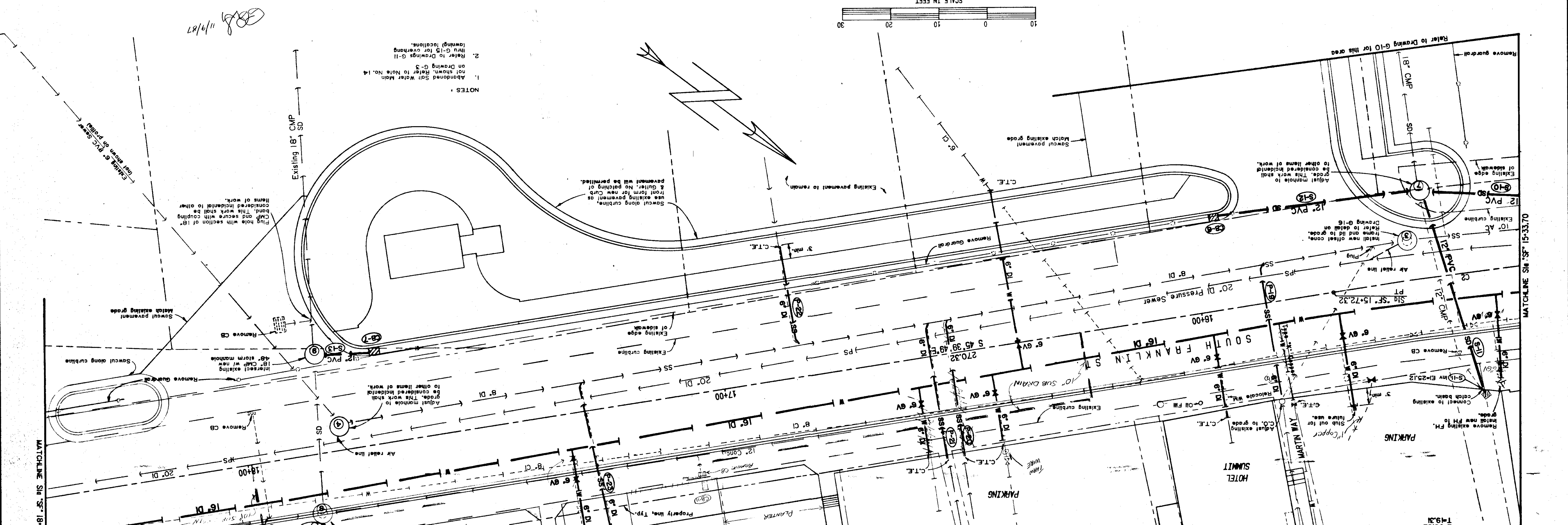
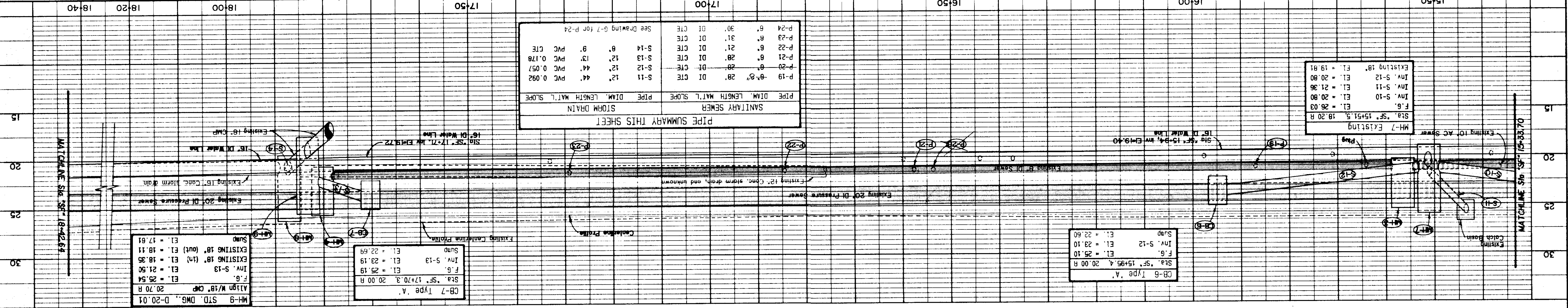
SEWER, WATER & STORM DRAIN  
Sta "SF" 15+33.70 TO Sta "SF" 18+42.64

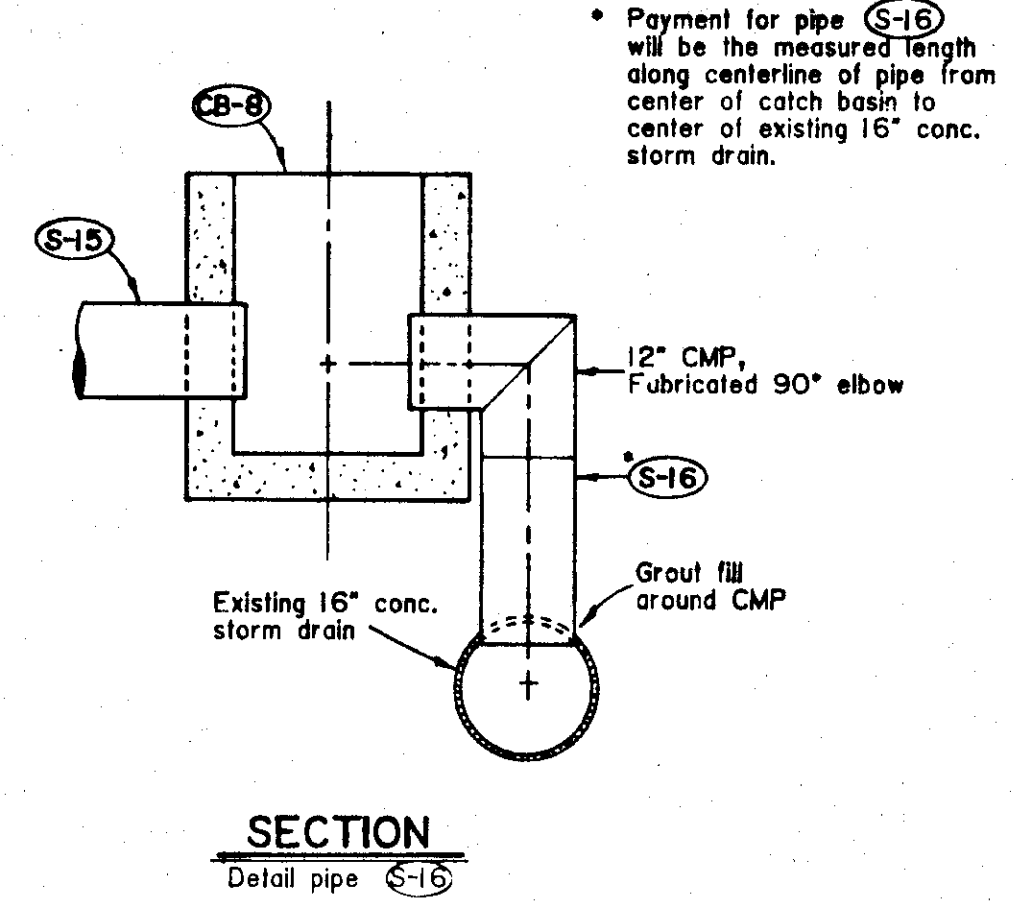
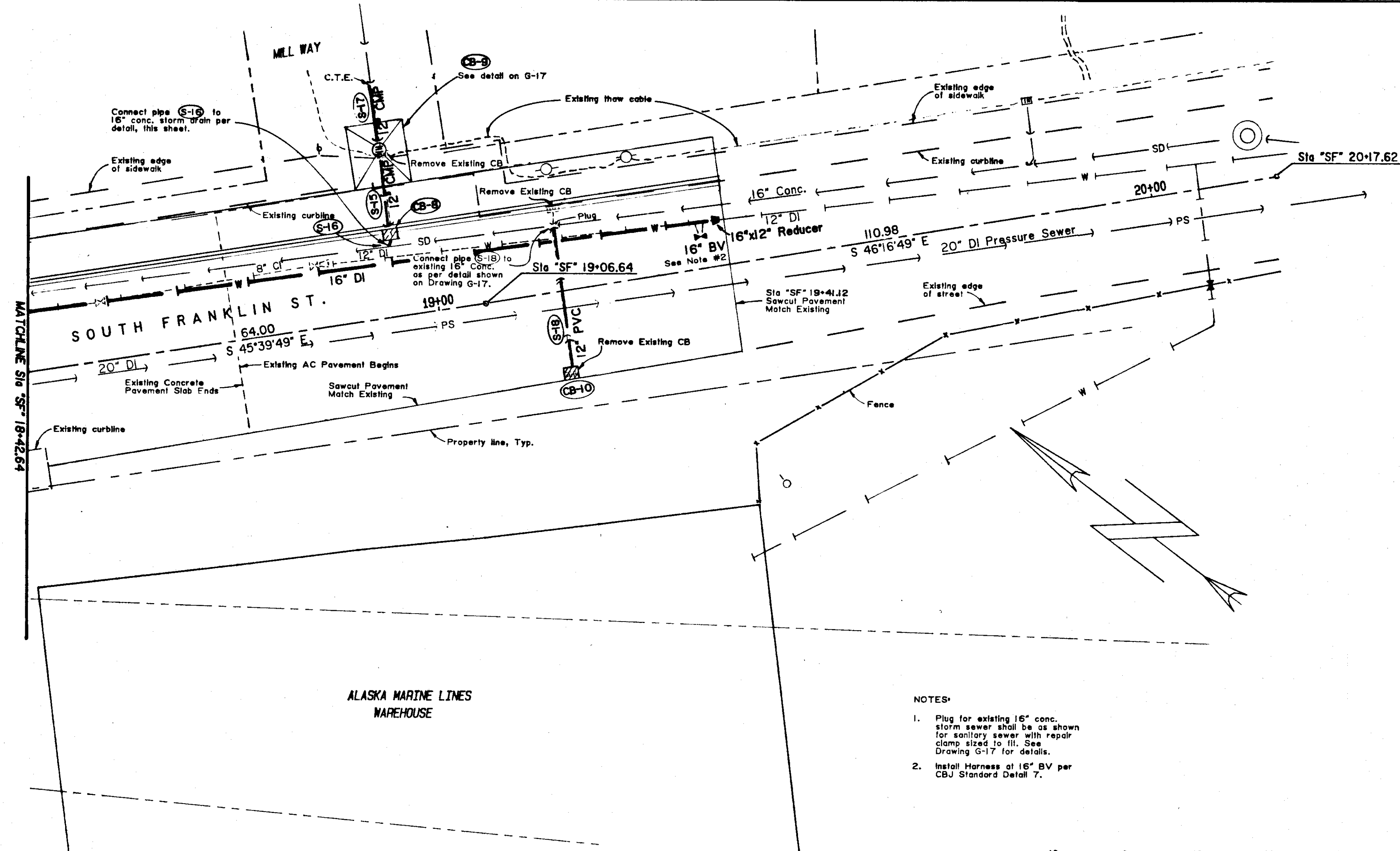
CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
PHASE III  
SOUTH FRANKLIN STREET

TONER-NORDLING & ASSOCIATES, INC.  
114 SOUTH FRANKLIN STREET  
JUNEAU, ALASKA 99804  
(907) 586-2315

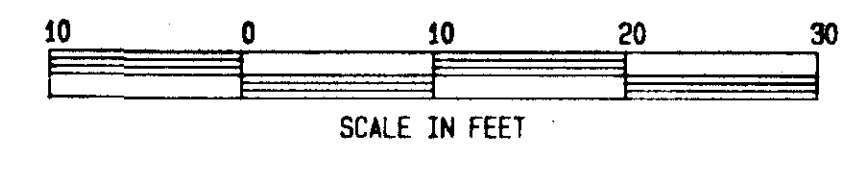


DATE	REVISIONS

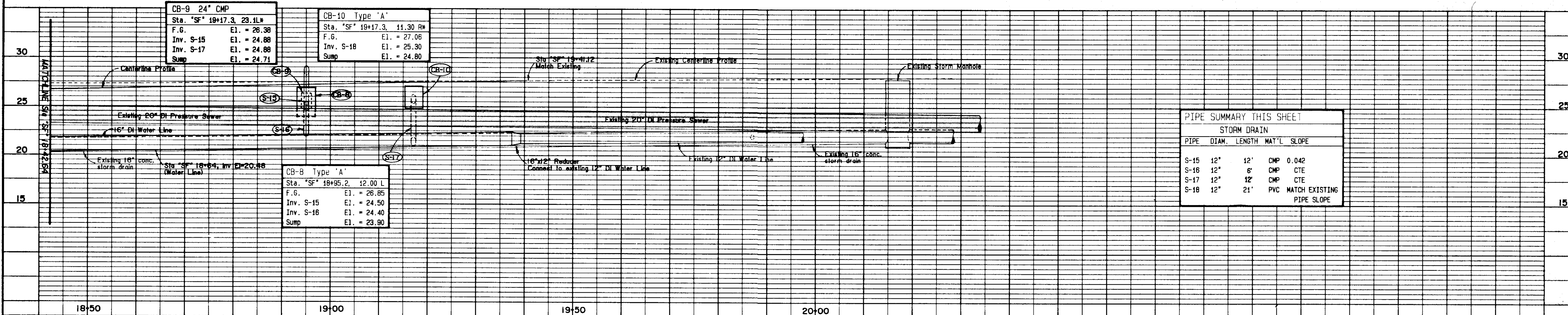




- NOTES:
1. Plug for existing 16" conc. storm sewer shall be as shown for sanitary sewer with repair clamp sized to fit. See Drawing G-17 for details.
  2. Install Harness of 16" BV per CBJ Standard Detail 7.

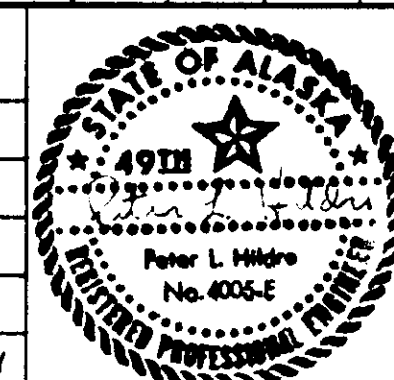


*BSJ* 11/9/87



PIPE SUMMARY THIS SHEET			
STORM DRAIN			
PIPE	DIAM.	LENGTH	MAT'L SLOPE
S-15	12"	12'	CMP 0.042
S-16	12"	6'	CMP CTE
S-17	12"	12'	CMP CTE
S-18	12"	21'	PVC MATCH EXISTING PIPE SLOPE

STATUS	DATE PRINTED
DATE	REVISIONS
	BY



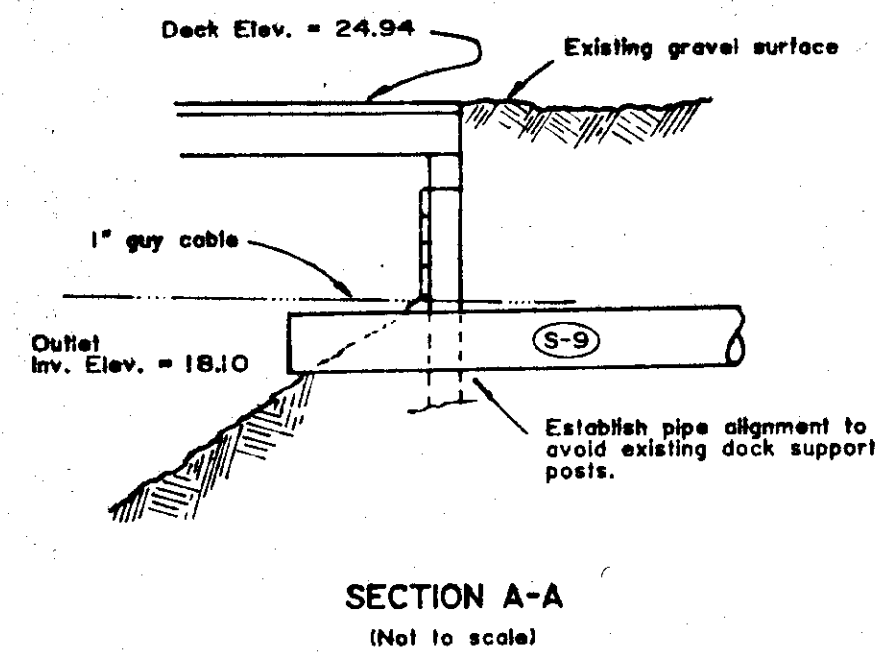
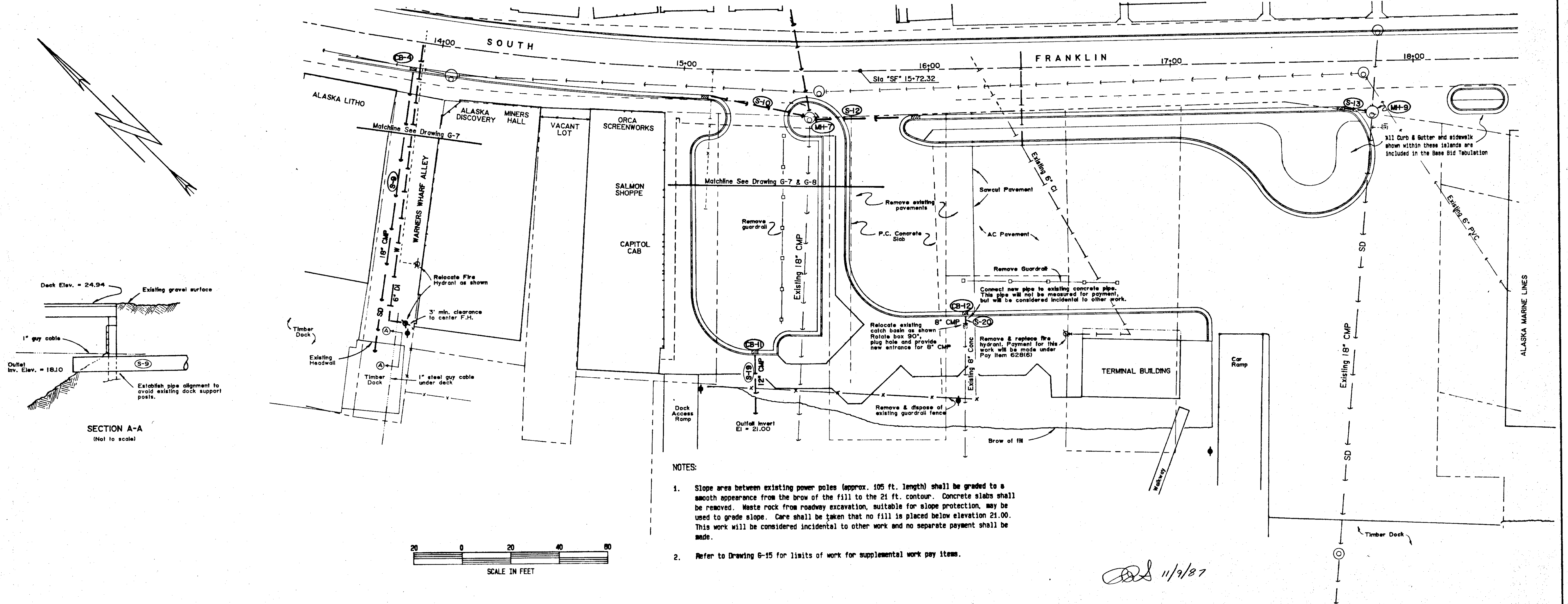
**TONER-NORDLING & ASSOCIATES, INC.**  
 114 SOUTH FRANKLIN STREET SUITE 204  
 JUNEAU, ALASKA 99801  
 (907) 586-2315

DRAWN BY: STAFF    DESIGNED BY: PLH    CHECKED BY: CBJ/DOT/PF

CITY & BOROUGH OF JUNEAU  
 ALASKA DOT/PF  
 SOUTH FRANKLIN STREET  
 PHASE III

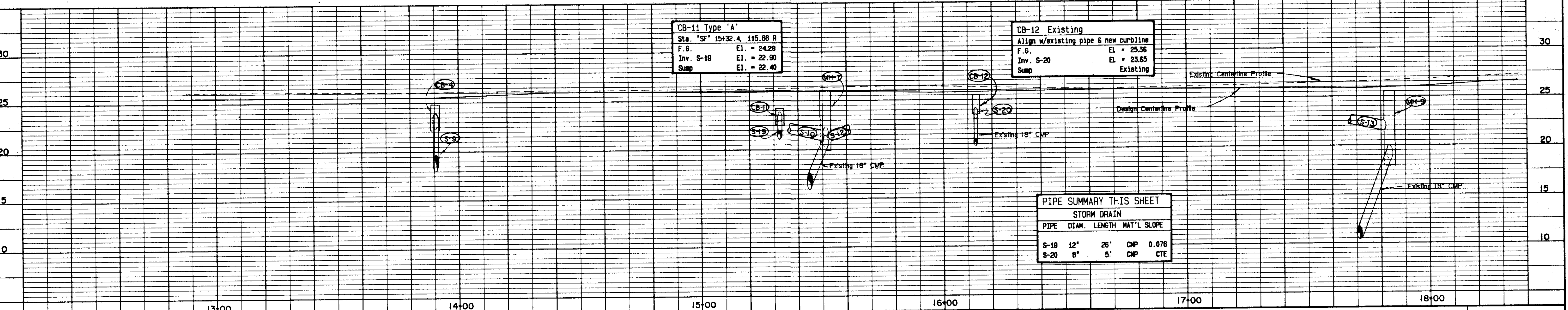
SEWER, WATER & STORM DRAIN  
 Sta "SF" 18+42.64 TO Sta "SF" 19+41.12

DATE: OCTOBER 1986    JOB NO.: E 87-007    SCALE: 1"=10' HORIZONTAL



- NOTES:
- Slope area between existing power poles (approx. 105 ft. length) shall be graded to a smooth appearance from the brow of the fill to the 21 ft. contour. Concrete slabs shall be removed. Waste rock from roadway excavation, suitable for slope protection, may be used to grade slope. Care shall be taken that no fill is placed below elevation 21.00. This work will be considered incidental to other work and no separate payment shall be made.
  - Refer to Drawing G-15 for limits of work for supplemental work pay items.

11/9/87



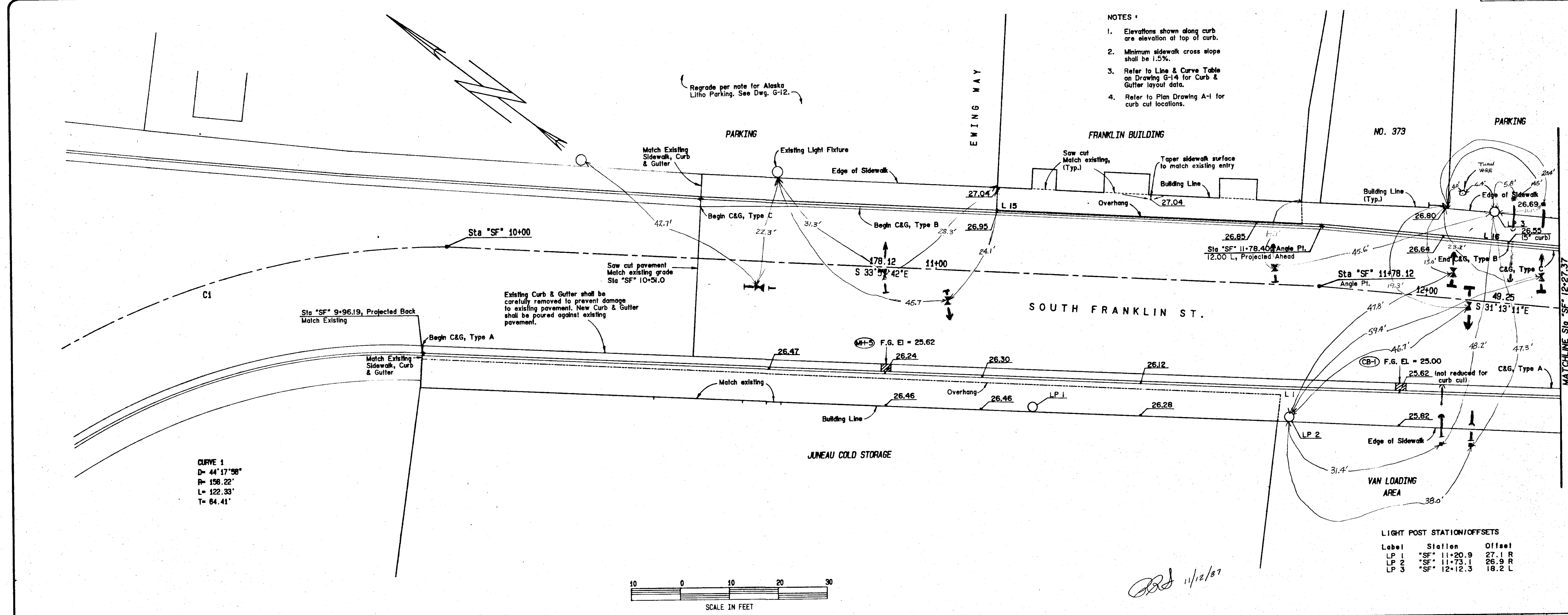
CB-11 Type 'A'	
Sta. 'SF' 15+32.4	115.68 R
F.G.	El. = 24.28
Inv. S-18	El. = 22.90
Sump	El. = 22.40

CB-12 Existing	
Align w/existing pipe & new curbline	
F.G.	El. = 25.36
Inv. S-20	El. = 23.65
Sump	Existing

PIPE SUMMARY THIS SHEET				
STORM DRAIN				
PIPE	DIAM.	LENGTH	MAT'L	SLOPE
S-18	12"	26'	CMP	0.078
S-20	8"	5'	CMP	CTE

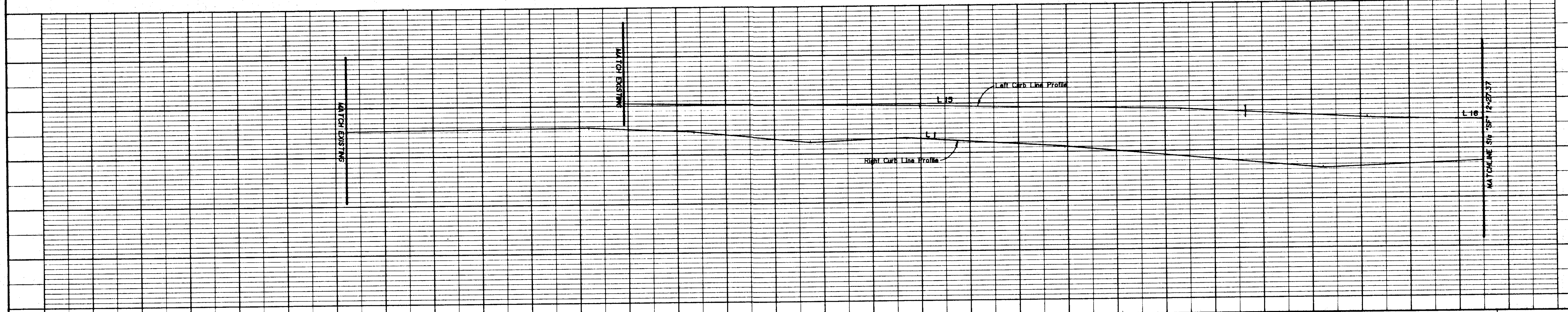
STATUS	DATE PRINTED		<b>TONER-NORDLING &amp; ASSOCIATES, INC.</b> 114 SOUTH FRANKLIN STREET SUITE 204 JUNEAU, ALASKA 99801 (907) 586-2315	<b>CITY &amp; BOROUGH OF JUNEAU</b> ALASKA DOT/PF <b>SOUTH FRANKLIN STREET</b> <b>PHASE III</b>	<b>SEWER, WATER &amp; STORM DRAIN</b> <b>Cruise Ship Terminal &amp; Warners Wharf</b>	DRAWING NO. G-10
DATE	REVISIONS					BY

- NOTES:
1. Elevations shown along curb are elevation at top of curb.
  2. Minimum sidewalk cross slope shall be 1.5%.
  3. Refer to Line & Curve Table on Drawing G-14 for Curb & Gutter layout data.
  4. Refer to Plan Drawing A-1 for curb cut locations.

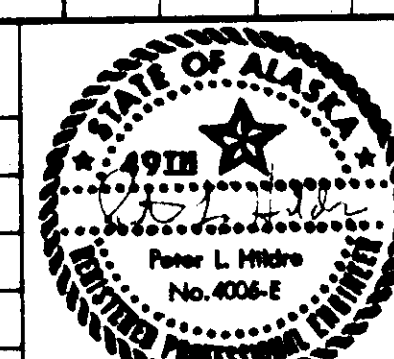


LIGHT POST STATION/OFFSETS

Label	Station	Offset
LP 1	"SF" 11+20.9	27.1 R
LP 2	"SF" 11+73.1	26.9 R
LP 3	"SF" 12+12.3	18.2 L



STATUS	DATE PRINTED



**TONER-NORDLING & ASSOCIATES, INC.**  
 114 SOUTH FRANKLIN STREET SUITE 204  
 JUNEAU, ALASKA 99801  
 (907) 586-2315

DESIGNED BY: PLH  
 CHECKED BY: CBJ/DOT/PF

CITY & BOROUGH OF JUNEAU  
 ALASKA DOT/PF  
 SOUTH FRANKLIN STREET  
 PHASE III

SWING TIES TO VALVES  
 PAVING, SIDEWALK, CURB & GUTTER, LIGHTING  
 Sta "SF" 10+00.00 TO Sta "SF" 12+27.37

DATE: OCTOBER 1988  
 JOB NO.: E 87-007  
 SCALE: 1"=10' HORIZONTAL

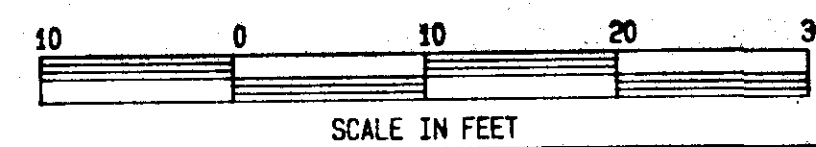
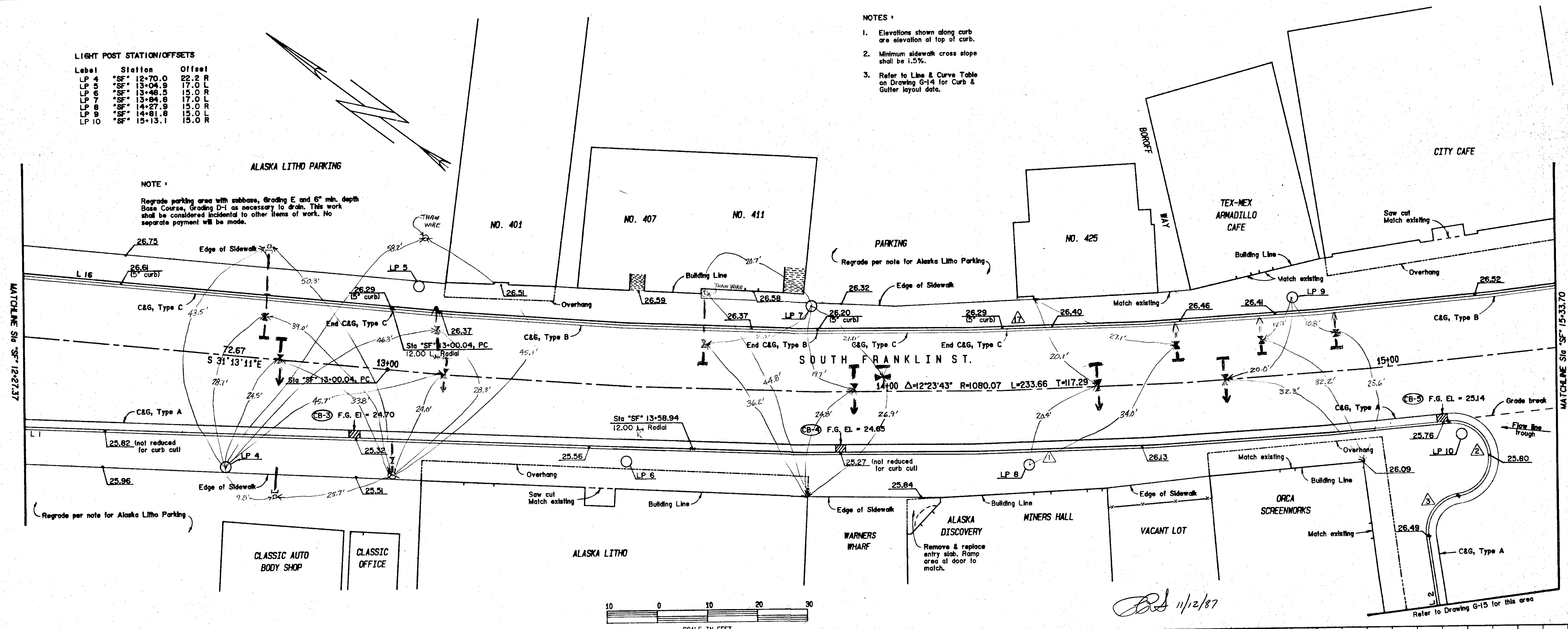
DRAWING NO. G-11  
 SHEET NO. 11 of 4

**LIGHT POST STATION/OFFSETS**

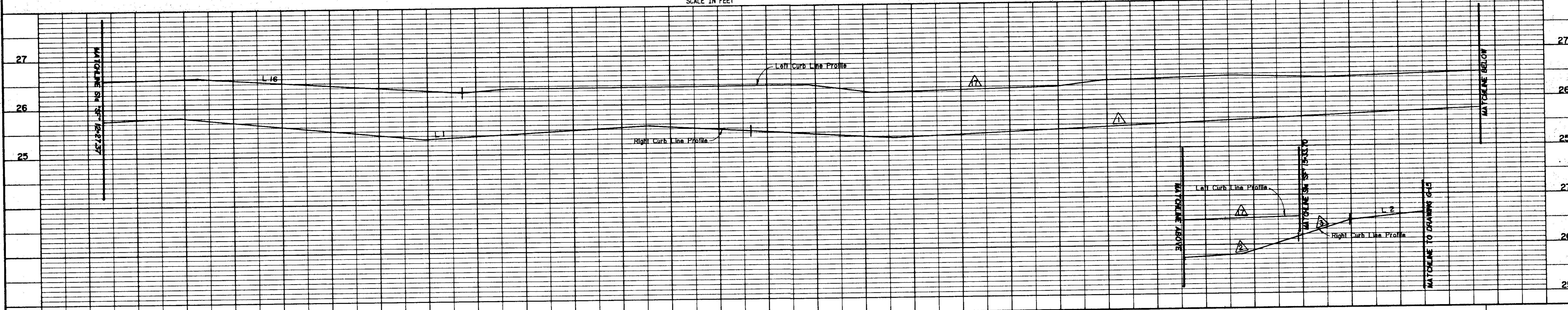
Label	Station	Offset
LP 4	12+70.0	22.2 R
LP 5	13+04.9	17.00 L
LP 6	13+48.5	15.00 R
LP 7	13+94.8	17.00 R
LP 8	14+27.9	15.00 R
LP 9	14+81.6	15.00 L
LP 10	15+13.1	15.00 L

- NOTES**
- Elevations shown along curb are elevation at top of curb.
  - Minimum sidewalk cross slope shall be 1.5%.
  - Refer to Line & Curve Table on Drawing G-14 for Curb & Gutter layout data.

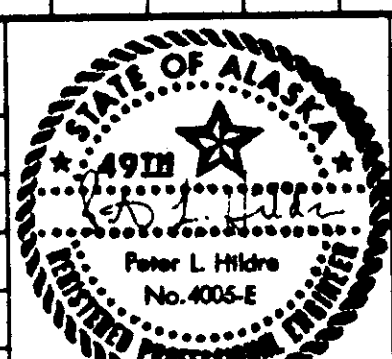
**NOTE**  
Regrade parking area with subbase, Grading E and 6" min. depth Base Course, Grading D-1 as necessary to drain. This work shall be considered incidental to other items of work. No separate payment will be made.



*11/2/87*



STATUS	DATE PRINTED



**TONER-NORDLING & ASSOCIATES, INC.**  
114 SOUTH FRANKLIN STREET SUITE 204  
JUNEAU, ALASKA 99801  
(907) 588-2315

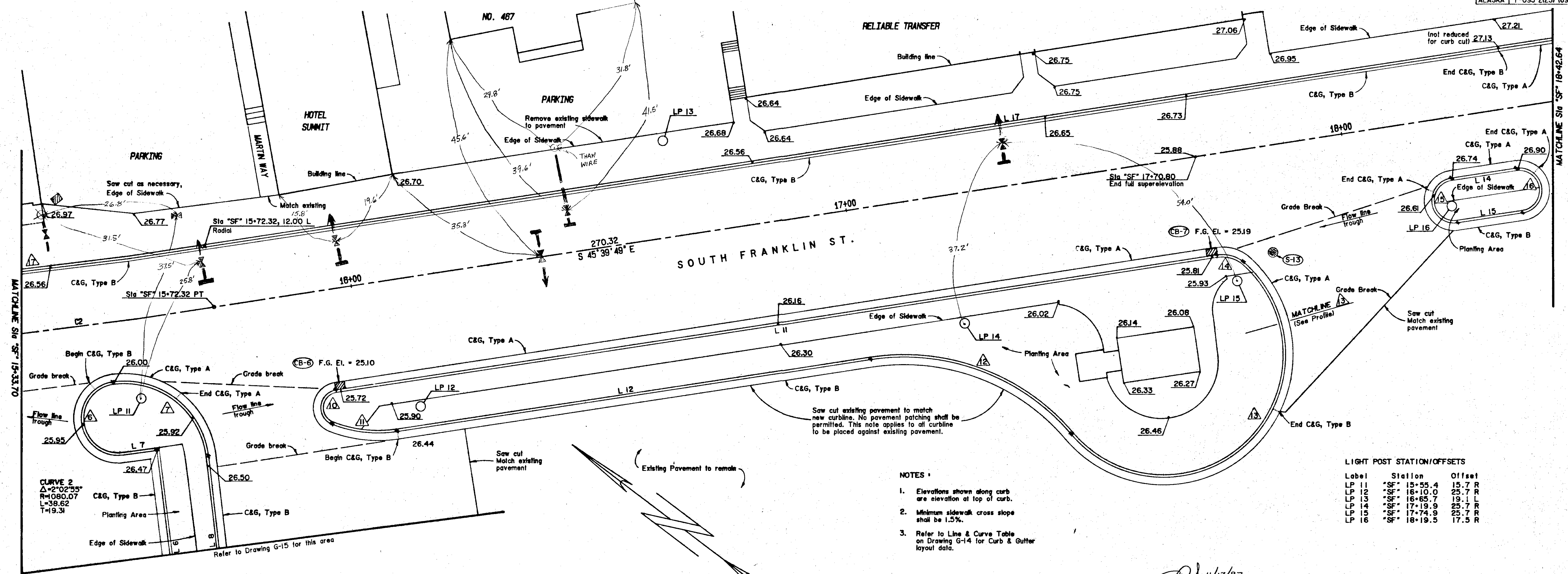
DESIGNED BY: PLH  
CHECKED BY: CBU/DOT/PF

**CITY & BOROUGH OF JUNEAU**  
ALASKA DOT/PF  
**SOUTH FRANKLIN STREET**  
PHASE III

PAVING, SIDEWALK, CURB & GUTTER, LIGHTING  
Sta "SF" 12+27.37 TO Sta "SF" 15+33.70

DATE: OCTOBER 1986  
JOB NO.: E 87-007  
SCALE: 1"=10' HORIZONTAL

DRAWING NO. G-12  
SHEET NO. 12 of 45

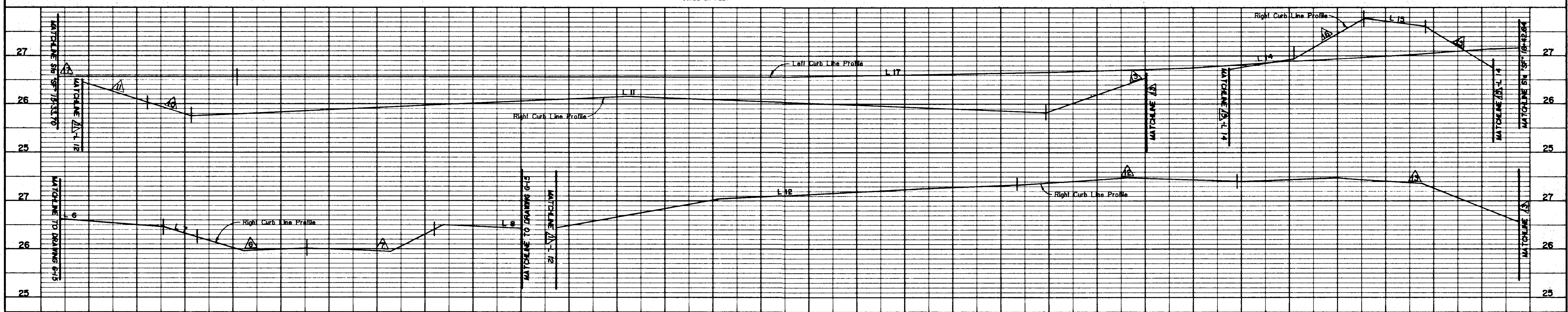


- NOTES:**
- Elevations shown along curb are elevation at top of curb.
  - Minimum sidewalk cross slope shall be 1.5%.
  - Refer to Line & Curve Table on Drawing G-14 for Curb & Gutter layout data.

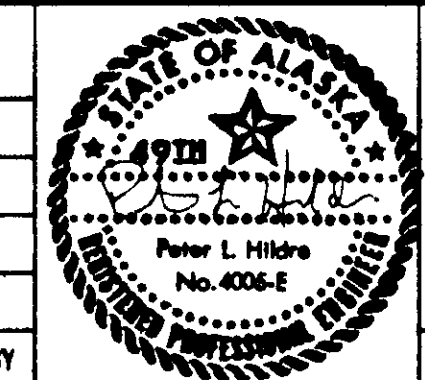
**LIGHT POST STATION/OFFSETS**

Label	Station	Offset
LP 11	SF 15+55.4	15.7 R
LP 12	SF 16+10.0	25.7 R
LP 13	SF 16+65.7	19.1 L
LP 14	SF 17+19.9	25.7 R
LP 15	SF 17+74.9	25.7 R
LP 16	SF 18+19.5	17.5 R

*Handwritten signature and date: 11/12/87*



STATUS	DATE PRINTED
DATE	REVISIONS



**TONER-NORDLING & ASSOCIATES, INC.**  
 114 SOUTH FRANKLIN STREET SUITE 204  
 JUNEAU, ALASKA 99801  
 (907) 586-2315

DRAWN BY: STAFF    DESIGNED BY: PLH    CHECKED BY: CBJ/DOJ/PF

**CITY & BOROUGH OF JUNEAU**  
 ALASKA DOT/PF  
**SOUTH FRANKLIN STREET**  
**PHASE III**

**PAVING, SIDEWALK, CURB & GUTTER, LIGHTING**  
 Sta "SF" 15+33.70 TO Sta "SF" 18+42.64

DATE: OCTOBER 1988    JOB NO.: E 87-007    SCALE: 1"=10' HORIZONTAL

DRAWING NO.  
**G-13**

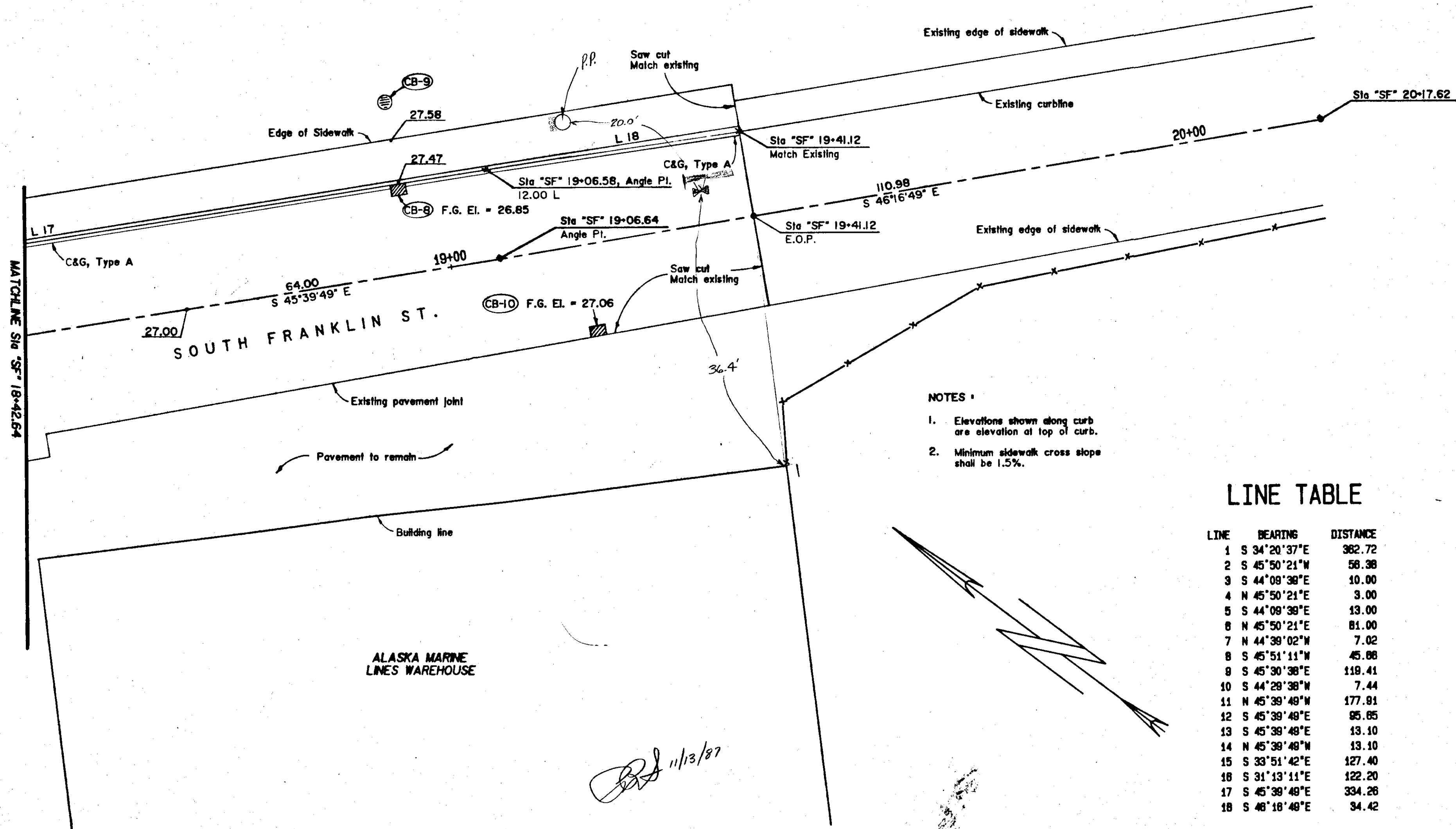
SHEET NO.  
**13 of 45**

### SIGNING SCHEDULE

No.	Station	Offset	Code No.	Legend	Size	Area	Post Type / Attachment
1	14+03	28.0Rt	R1-1	Stop	30"x30"	6.25	See Note 2
2	15+50	25.0Rt	R1-1	Stop	30"x30"	6.25	See Note 2
3	18+02	28.5Rt	R5-1	Do not Enter	30"x30"	6.25	See Note 2
4	18+18.5	17.5Rt	R1-1	Stop	30"x30"	6.25	See Note 7

GENERAL SIGNING NOTES

1. Sign locations and post lengths are approximate only and are subject to minor revisions.
2. All sign posts shall be telescoping perforated galvanized square steel posts unless otherwise noted. The 2" size shall be used above ground and the 2-1/4" size shall be used below ground for sleeve.
3. All signs shall be .080" thick.
4. All new signs shall be unframed unless otherwise noted.
5. All sign posts shall be installed with the sleeve type embedment in accordance with Standard Drawing S-30.01 except that the 2-1/4" shall be used for the entire embedment depth.
6. Sign post lengths are from the cutoff in the sleeve to the top of the post. See Standard Drawing S-05.00 and S-30.01.
7. Signs attached to light fixtures shall be with sign bracing hardware and stainless steel clamps as approved by the Engineer.

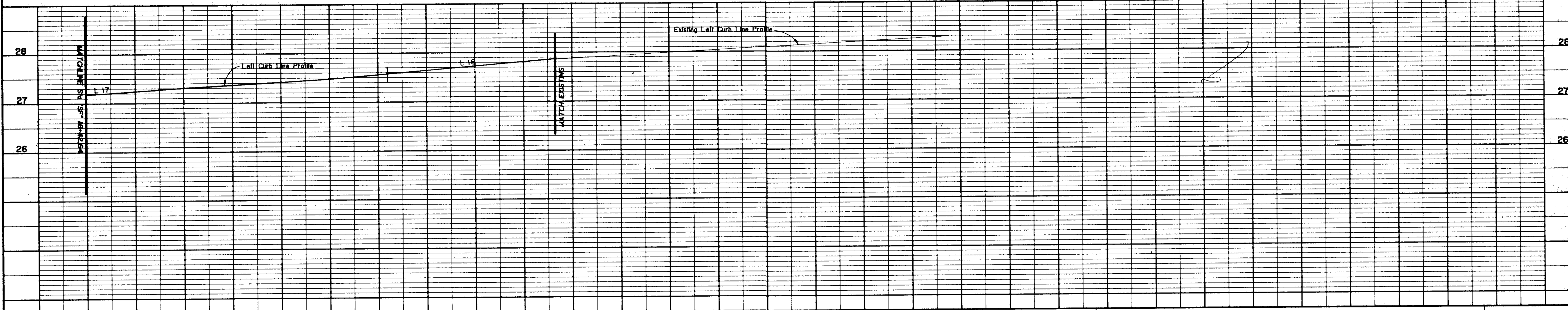
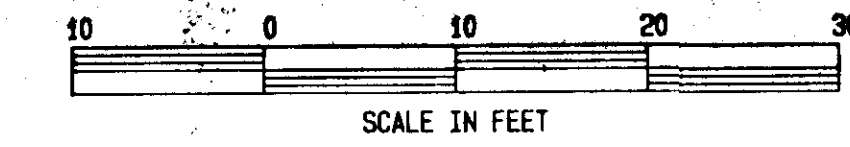


### LINE TABLE

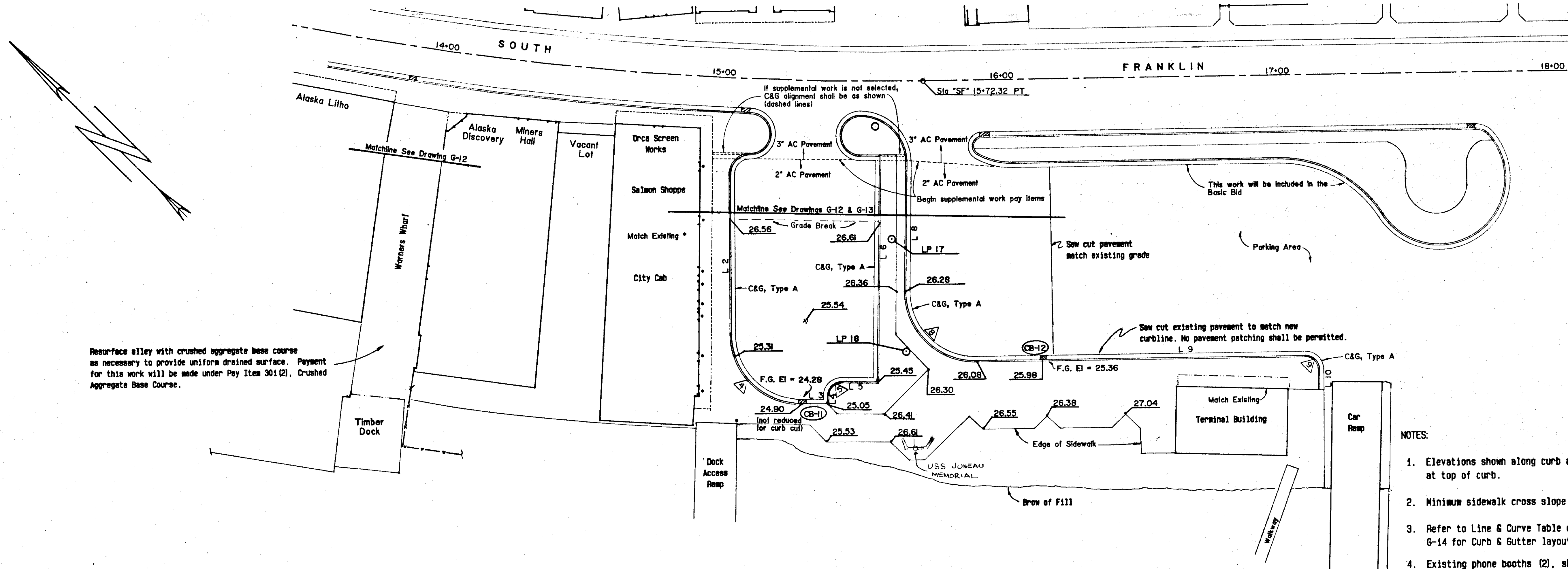
LINE	BEARING	DISTANCE
1	S 34°20'37"E	362.72
2	S 45°50'21"W	56.38
3	S 44°08'30"E	10.00
4	N 45°50'21"E	3.00
5	N 44°08'30"E	13.00
6	N 45°50'21"E	81.00
7	N 44°39'02"W	7.02
8	S 45°51'11"W	45.88
9	S 45°30'38"E	118.41
10	S 44°28'38"W	7.44
11	N 45°39'48"E	177.91
12	S 45°39'48"E	95.85
13	S 45°39'48"E	13.10
14	N 45°39'48"W	13.10
15	S 33°51'42"E	127.40
16	S 31°13'11"E	122.20
17	S 45°39'48"E	334.26
18	S 46°16'48"E	34.42

### CURVE TABLE with centerline reference

CURVE	DELTA	RADIUS	ARC	TANGENT	CHORD	CHORD BRG	"PC" STATION - OFFSET	"PT" STATION - OFFSET
1	8°03'28"	1092.07	153.58	76.92	153.46	S 38°22'24"E	SF 13+56.84 12.00 R	SF 15+10.84 12.00 R
2	182°55'00"	7.55	24.10	288.56	15.10	S 45°51'01"W	SF 15+10.84 12.00 R	SF 15+11.29 27.09 R
3	81°28'10"	8.73	10.74	8.90	8.63	N 88°25'05"W	SF 15+11.29 27.09 R	SF 15+04.80 34.04 R
4	90°00'00"	25.80	40.68	25.80	38.63	S 00°50'32"W	SF 15+06.88 90.38 R	SF 15+30.87 115.87 R
5	90°00'00"	5.00	7.85	5.00	7.07	S 89°09'38"E	SF 15+30.80 112.59 R	SF 15+44.43 107.59 R
6	178°22'30"	7.33	22.98	1344.85	14.87	N 45°50'48"E	SF 15+50.30 26.87 R	SF 15+50.38 12.00 R
7	90°19'07"	18.84	26.70	17.03	24.02	S 00°41'57"W	SF 15+50.38 12.00 R	SF 15+86.86 29.17 R
8	90°00'00"	25.00	38.27	25.00	35.36	S 00°50'21"E	SF 15+85.85 74.83 R	SF 15+86.85 100.45 R
9	90°00'18"	5.00	7.85	5.00	7.07	S 00°40'07"E	SF 17+08.28 100.77 R	SF 17+14.28 105.77 R
10	150°22'32"	3.55	8.32	13.42	8.88	S 58°08'52"W	SF 15+83.80 20.00 R	SF 15+82.15 26.84 R
11	29°37'31"	25.71	13.30	8.80	13.15	S 30°48'42"E	SF 15+82.15 26.84 R	SF 16+04.86 30.00 R
12	58°08'28"	43.88	44.54	24.40	42.85	S 18°35'20"E	SF 17+00.51 30.00 R	SF 17+37.78 50.73 R
13	188°34'23"	24.27	78.88	323.80	48.40	S 81°48'37"E	SF 17+37.78 50.73 R	SF 17+76.87 22.18 R
14	48°30'26"	8.88	5.88	3.00	5.51	N 22°22'54"W	SF 17+76.87 22.18 R	SF 17+71.81 20.00 R
15	180°00'00"	4.50	14.14	0.00	9.00	S 44°20'11"W	SF 18+20.28 12.00 R	SF 18+20.29 21.00 R
16	180°00'00"	4.50	14.14	0.00	9.00	N 44°20'11"E	SF 18+33.38 21.00 R	SF 18+33.39 12.00 R
17	14°28'38"	1068.07	289.25	135.34	288.54	S 38°26'30"E	SF 13+00.04 12.00 L	SF 15+72.32 12.00 L



STATUS	DATE PRINTED		<b>TONER-NORDLING &amp; ASSOCIATES, INC.</b> 114 SOUTH FRANKLIN STREET SUITE 204 JUNEAU, ALASKA 99801 (907) 586-2915	CITY & BOROUGH OF JUNEAU ALASKA DOT/PF SOUTH FRANKLIN STREET PHASE III	SWING PAVES TO VALVES <b>PAVING, SIDEWALK, CURB &amp; GUTTER, LIGHTING</b> Sta "SF" 18+42.64 TO Sta "SF" 19+41.12	DRAWING NO. G-14
DATE	REVISIONS					BY

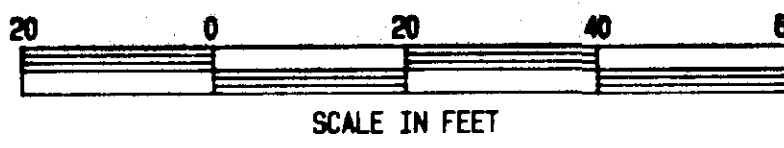


Resurface alley with crushed aggregate base course as necessary to provide uniform drained surface. Payment for this work will be made under Pay Item 301(2), Crushed Aggregate Base Course.

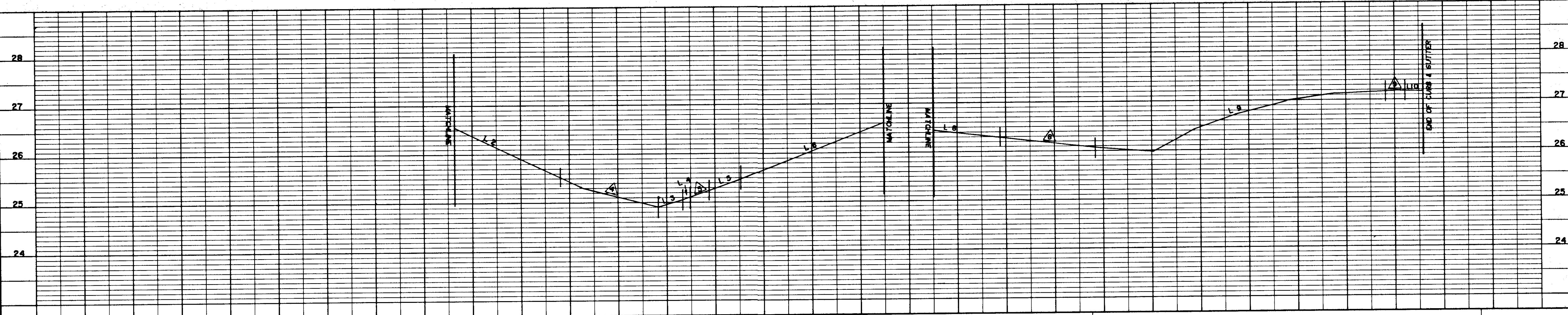
- NOTES:
1. Elevations shown along curb are elevations at top of curb.
  2. Minimum sidewalk cross slope shall be 1.5%.
  3. Refer to Line & Curve Table on drawing G-14 for Curb & Gutter layout data.
  4. Existing phone booths (2), shall be removed and reset to accommodate new sidewalk at the Terminal Building. This work will be considered incidental to other items of work.

LIGHT POST STATIONS/OFFSETS

Label	Station	Offset
LP 17	*SF 15+65.3	56.2 R
LP 18	*SF 15+70.1	97.2 R



*Handwritten signature and date: 11/13/87*



STATUS	DATE PRINTED
DATE	REVISIONS



**TONER-NORDLING & ASSOCIATES, INC.**  
 114 SOUTH FRANKLIN STREET SUITE 204  
 JUNEAU, ALASKA 99801  
 (907) 586-2315

DRAWN BY: STAFF    DESIGNED BY: PLH    CHECKED BY: CBJ/DOT/PF

**CITY & BOROUGH OF JUNEAU**  
 ALASKA DOT/PF  
**SOUTH FRANKLIN STREET**  
**PHASE III**

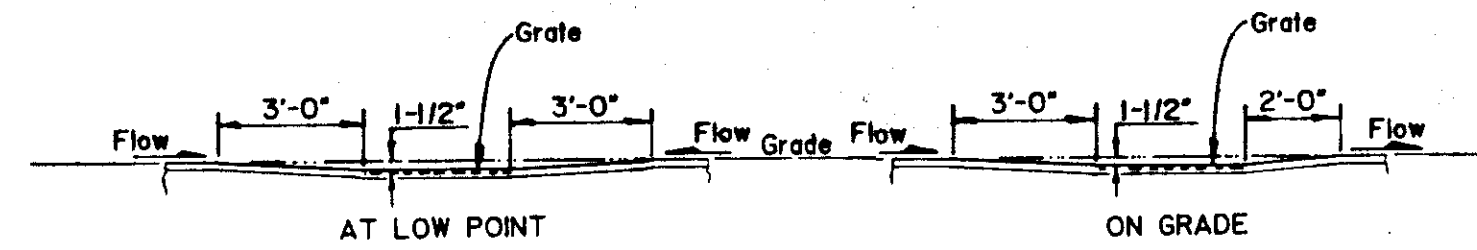
**PAVING, SIDEWALK, CURB & GUTTER, LIGHTING**  
**Cruise Ship Terminal & Warners Wharf**

DATE: OCTOBER 1986    JOB NO.: E 87-007    SCALE: 1"=20' HORIZONTAL

DRAWING NO. **6-15**  
 SHEET NO. **15 of 45**

**GENERAL NOTES**

- All catch basin grates shall be bicycle safe.
- All knockouts shall be formed.
- Ladder rungs shall be placed 12" on center on unobstructed side of manhole 18" maximum from bottom of manhole and 8" from top of cone or slab. If unobstructed side is not available, place the bottom rung 8" over the smallest pipe.
- Refer to A.S.T.M. designation C-478 for design requirements.
- Minimum steel required for manhole barrel as per A.S.T.M. C-478-69 shall be embedded so that the first barrel section is connected with the base.
- All pipe shall extend 2" into manholes.
- The exterior of all joints shall be plastered with at least 1" of Bentonite-Cement Sealing Plaster or equal.
- 24" minimum depth of 1" minus rock under all manholes. Existing soils or other granular material may be used as approved by the Engineer. The material must be compacted to 95% A.S.T.M. D-1557.
- Storm drain manhole, (MH-8) shall comply to ADOT/PF Standard Drawing D-2001. Offset cone required.
- Sections shown this sheet are for precast units only. Cast-in-place units shall be constructed as approved by the Engineer.
- Precast Catch Basins shall be reinforced with WF 6x8 4/4 steel mesh continuous in all sides and base. Minimum clearances shall be 2" on the sides and 3" on the base or centered in the section, whichever is more. Reinforcement for cast-in-place inlet boxes shall be as approved by the Engineer.

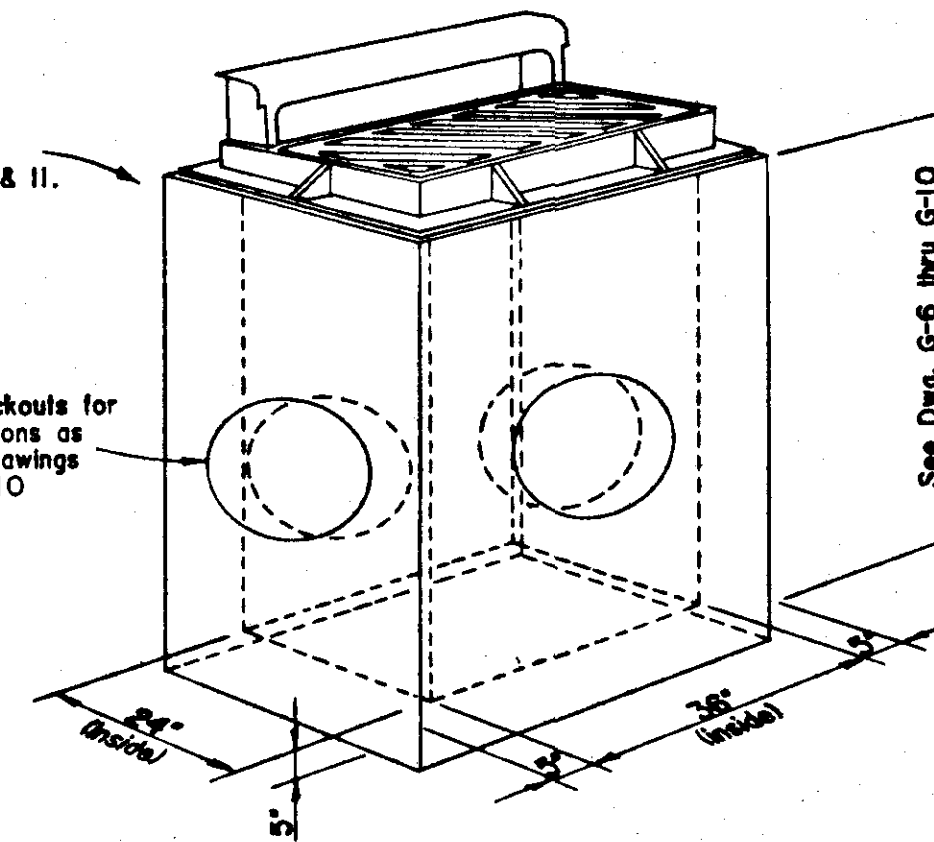


**DEPRESSED GUTTER DETAIL FOR INLET FLOWLINE**

NOTE: Frame & Grate for Catch Basins 4 & 11 differ from that shown. Refer to Catch Basin Frame & Grate Summary.

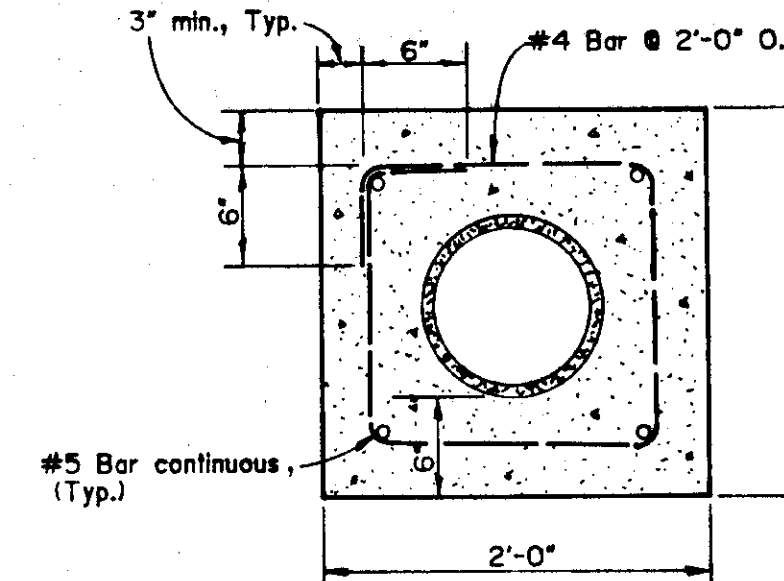
This detail applies to Catch Basins 1, 3, 4, 5, 6, 7, 9, 10 & 11.

Provide knockouts for pipe installations as shown on Drawings G-6 thru G-10

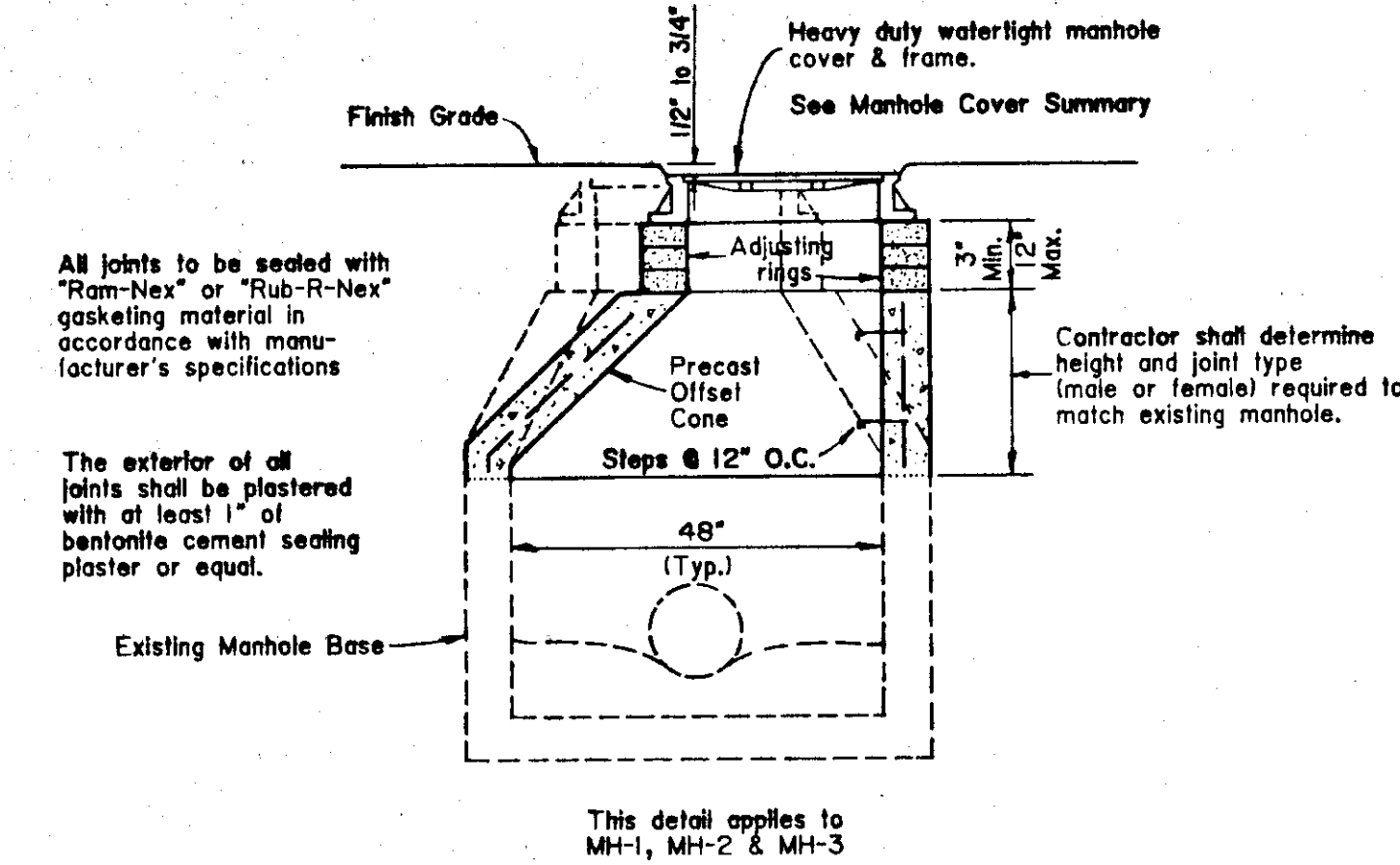


**TYPE "A" CATCH BASIN**

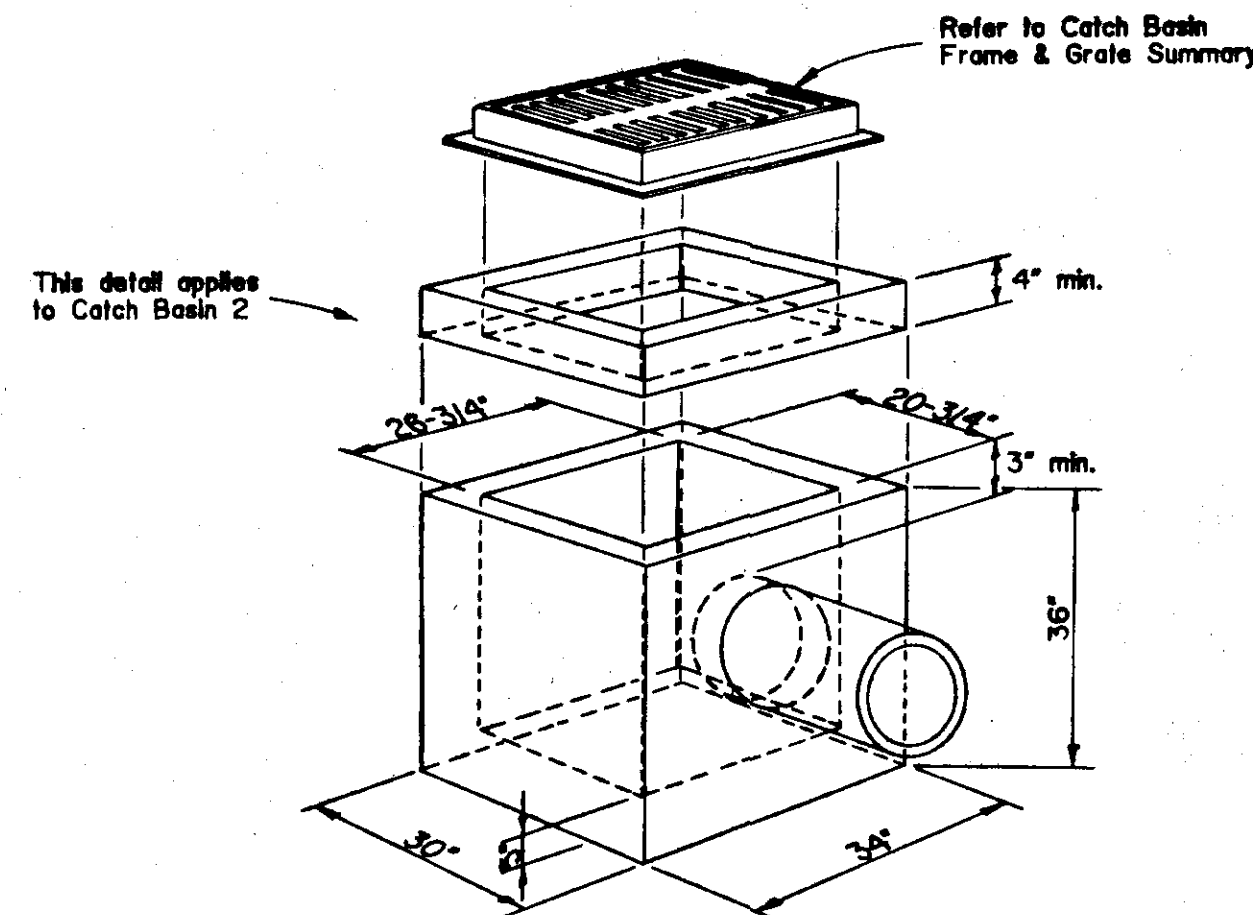
Sanitary Sewer Encasement for existing 10" AC between Sta "SF" 13+86 and 13+96. See Dwg. G-7.



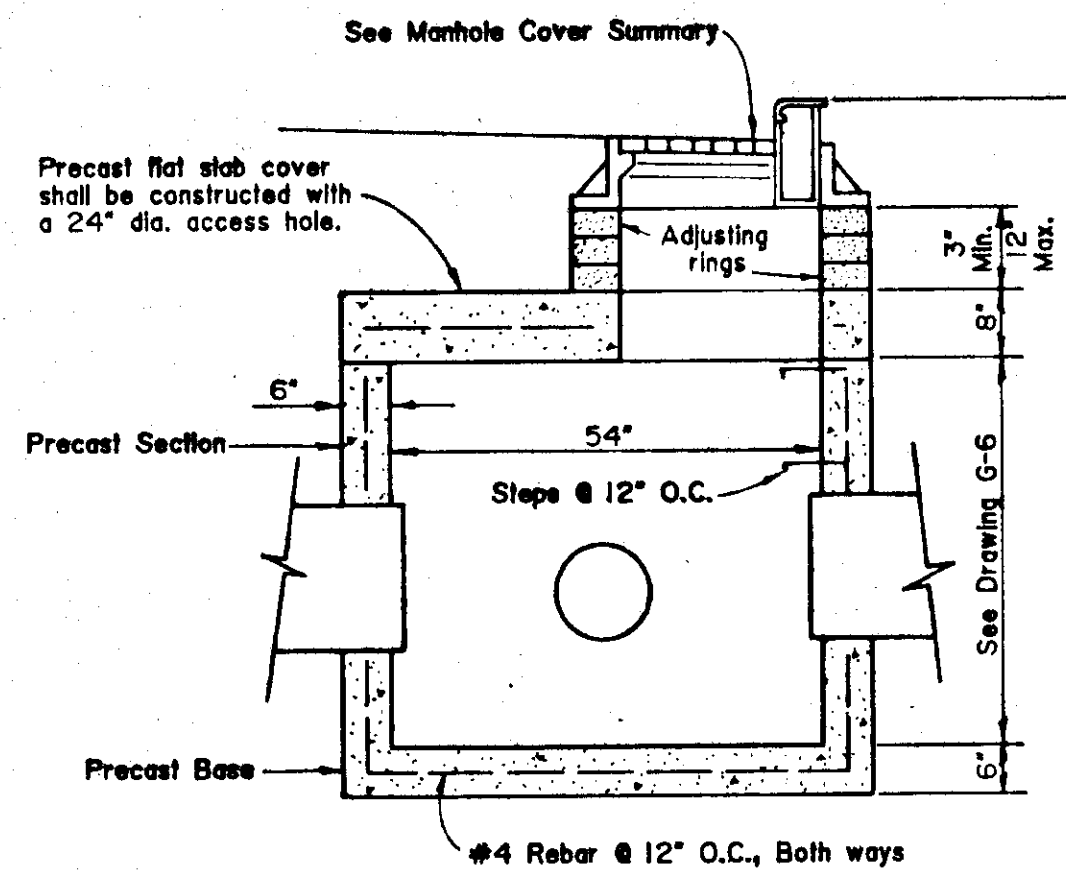
**10" AC SEWER ENCASEMENT SECTION**



**SANITARY MANHOLE OFFSET CONE**



**TYPE "B" CATCH BASIN**



**STORM DRAIN MANHOLE MH-5**

\* All metal shall be galvanized.



**TRASH RACK**

This trash rack to be used with CB-2.

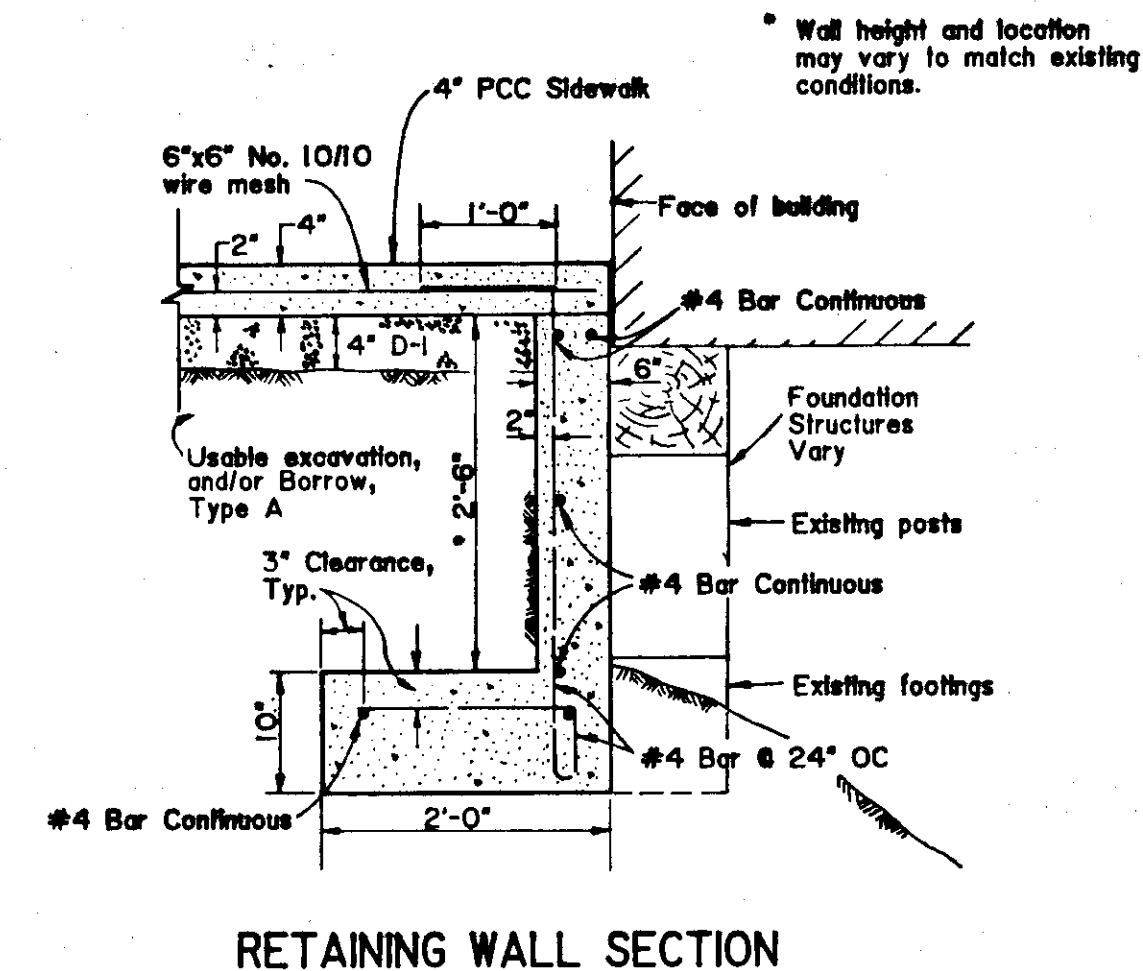
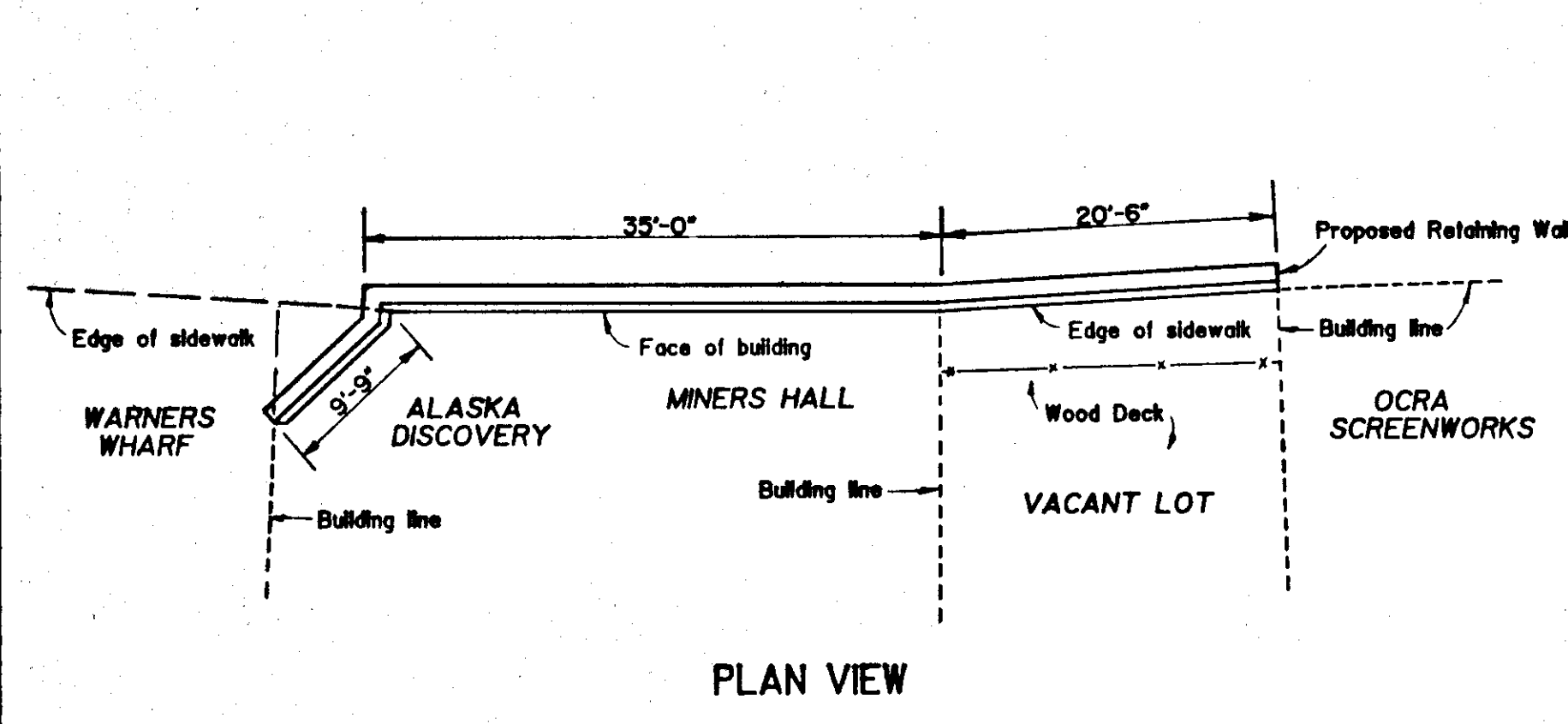
MANHOLE COVER SUMMARY			
MANHOLE NO.	CONE/FLAT SLAB	GRATE/SOLID COVER	OLYMPIC CONST. CASTINGS or equivalent
(SANITARY)			
MH-1	Cone	Solid	* See Below
MH-2	Cone	Solid	. .
MH-3	Cone	Solid	. .
MH-4	Cone	Solid	. .
(STORM)			
MH-5	Flat Slab	Grate	R-3015
MH-6	No Change	No Change	N/A
MH-7	No Change	No Change	N/A
MH-8	Cone	Solid	CBJ STD's 1158118

\* MH40 Reversible manhole frame, 24"x4" or 6", w/ MH40 SP LK, no holes, pocket fill handle, "sewer", traffic grid

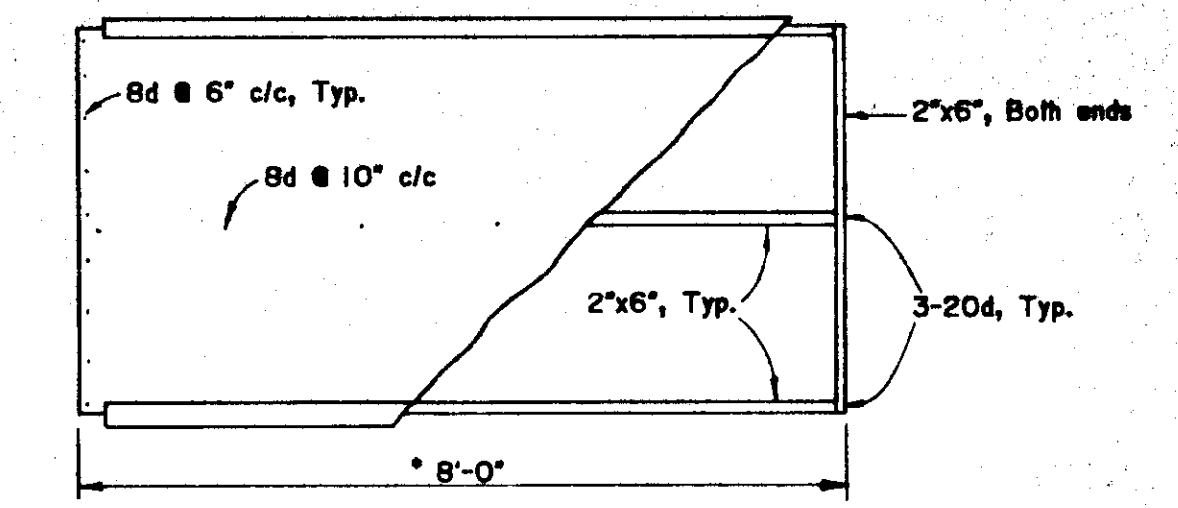
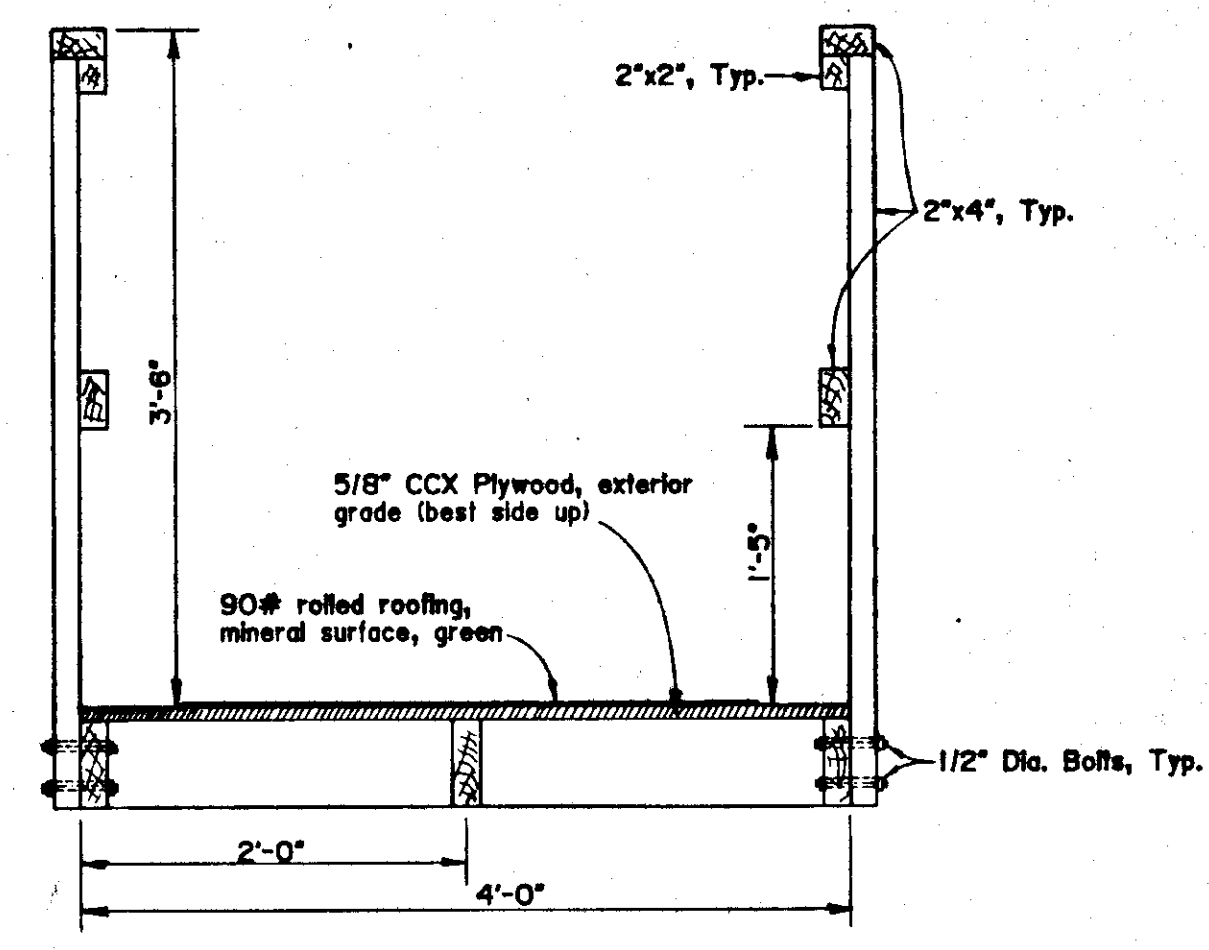
CATCH BASIN FRAME & GRATE SUMMARY			
CATCH BASIN NO.	NEENAH NO. or equivalent	CATCH BASIN NO.	NEENAH NO. or equivalent
CB-1	R-3067	CB-7	R-3067
CB-2	R-1879-836	CB-8	R-3067
CB-3	R-3067	CB-9	R-5903-E
CB-4	R-3290-A	CB-10	R-3290-A
CB-5	R-3067	CB-11	R-3290-A
CB-6	R-3067	CB-12	Existing

*Red 11/13/87*

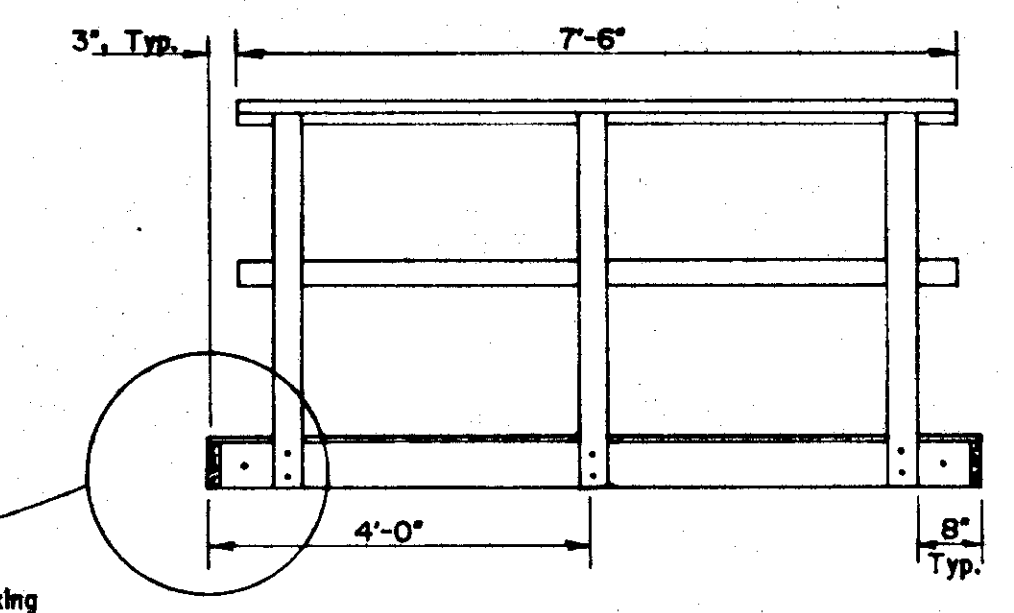
STATUS		DATE PRINTED			<p><b>TONER-NORDLING &amp; ASSOCIATES, INC.</b> 114 SOUTH FRANKLIN STREET SUITE 204 JUNEAU, ALASKA 99801 (907) 588-2315</p>	<p><b>CITY &amp; BOROUGH OF JUNEAU ALASKA DOT/PF</b> SOUTH FRANKLIN STREET PHASE III</p>	<p><b>SANITARY SEWER &amp; STORM DRAIN MANHOLES</b> CATCH BASINS &amp; MISCELLANEOUS DETAILS</p>	DRAWING NO. <b>G-16</b>	
DATE	REVISIONS	BY	<p>16 of 45</p>						
DRAWN BY: STAFF		DESIGNED BY: PLH		CHECKED BY: CBJ/DOT/PF		DATE: OCTOBER 1986		JOB NO.: E 87-007	SCALE: NOT TO SCALE



RETAINING WALL DETAILS



\* Contractor may increase pedestrian walkway length to 12'-0".

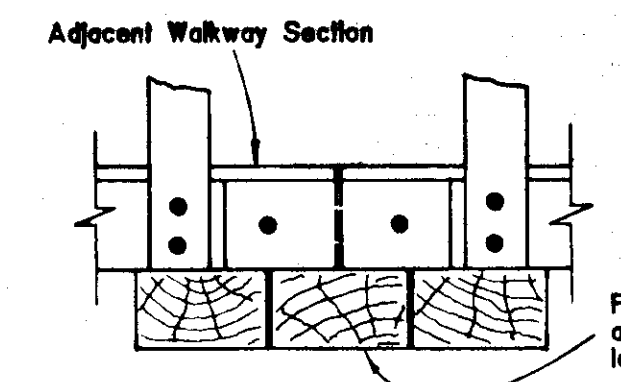
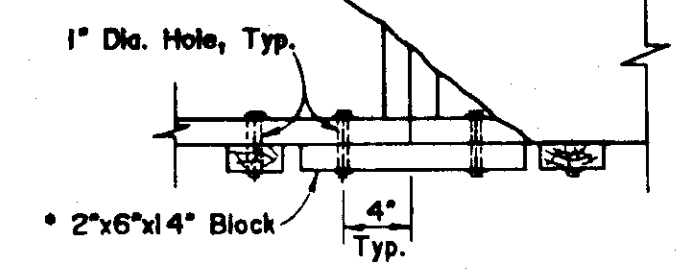


SECTION VIEW

ELEVATION VIEW

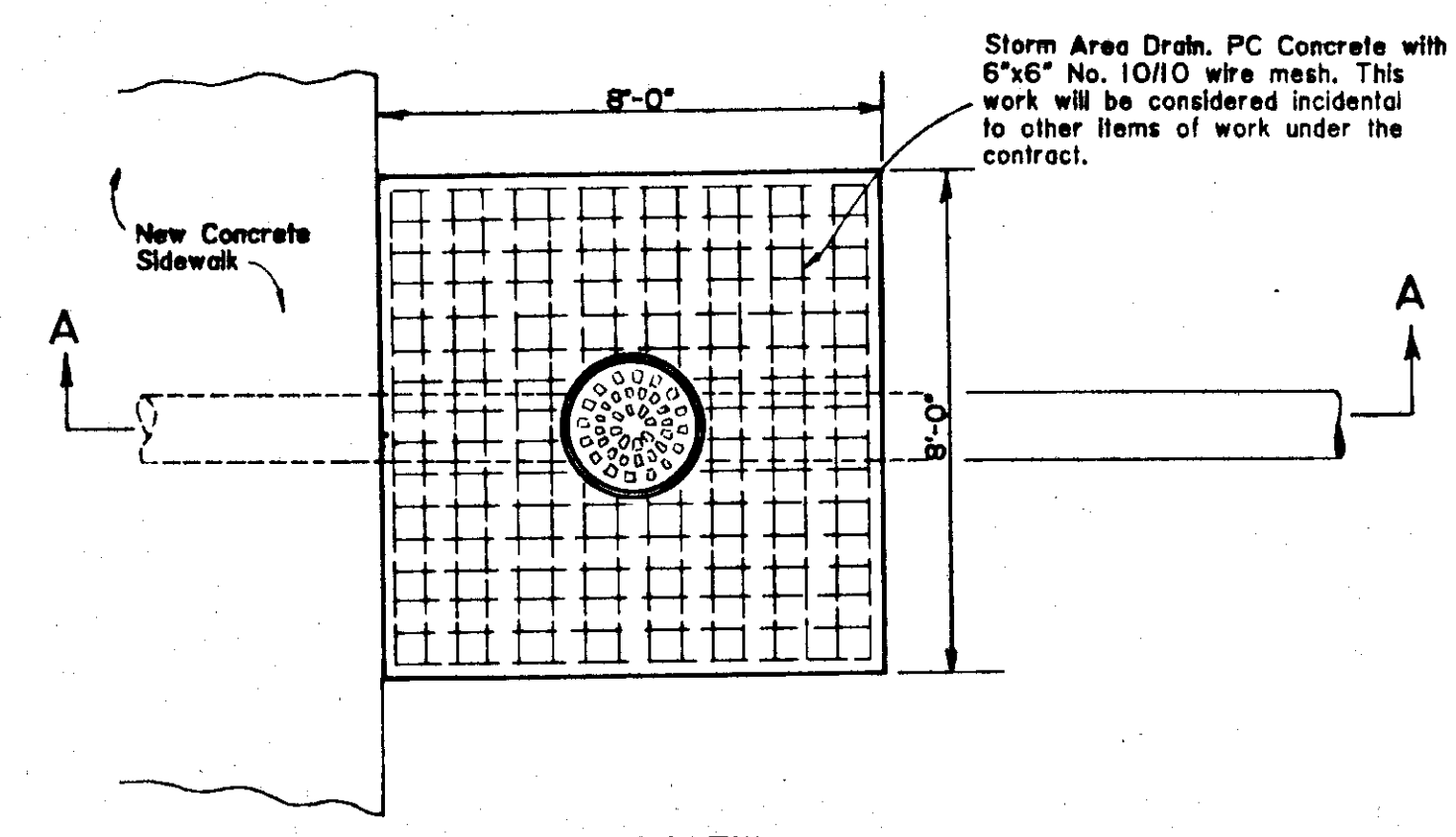
PEDESTRIAN WALKWAY DETAILS

\* Blocks shall be used at all corners.

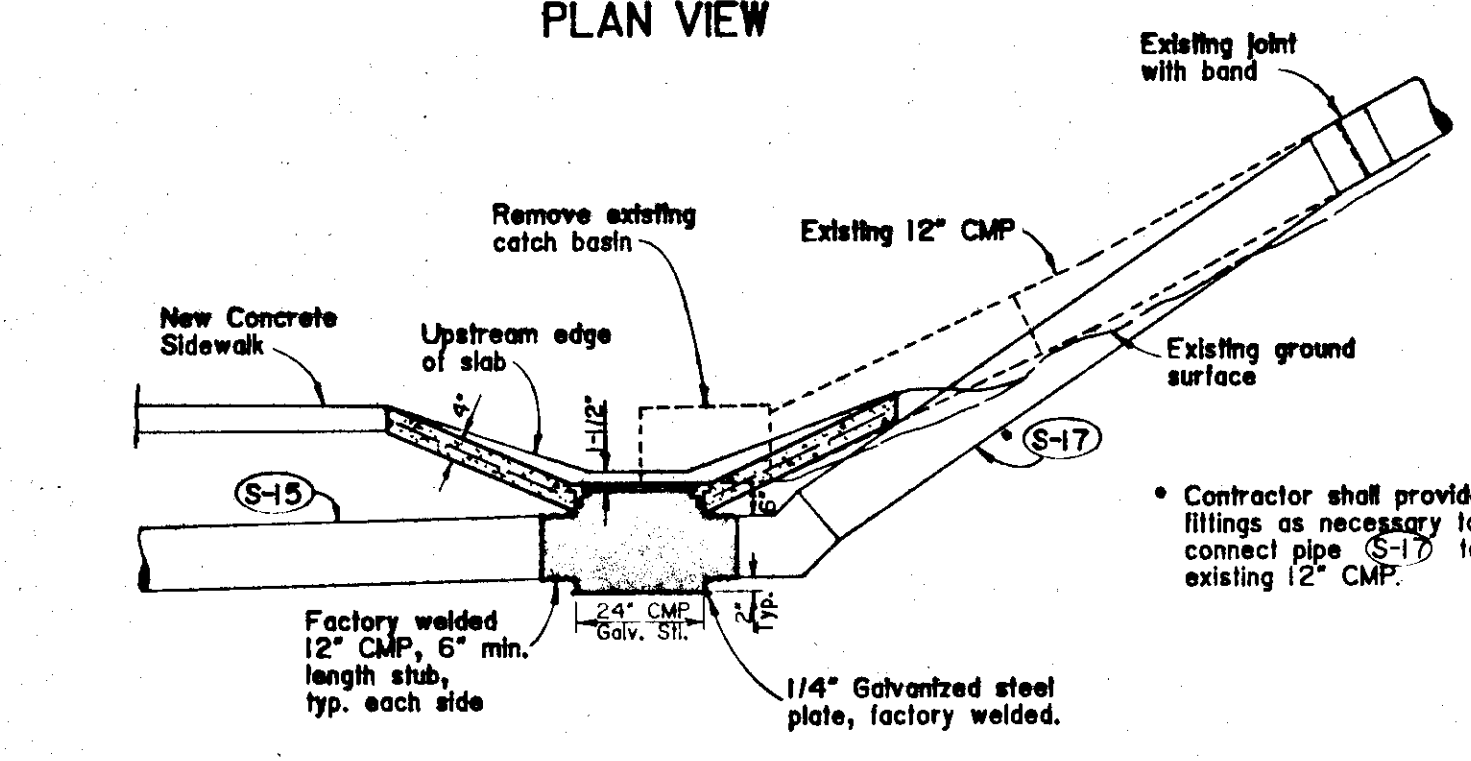


CONNECTION DETAIL PLAN

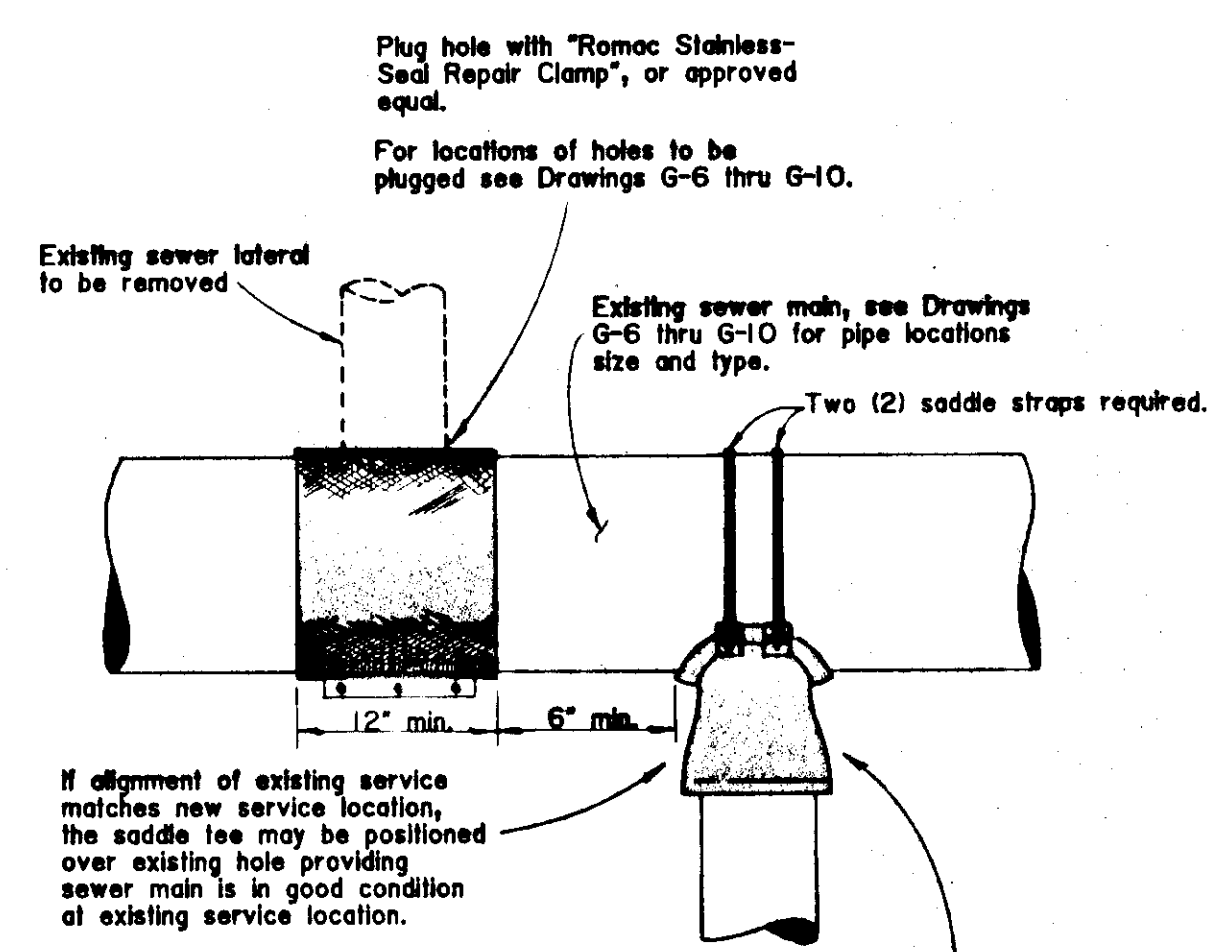
CONNECTION DETAIL ELEVATION



Storm Area Drain. PC Concrete with 6"x6" No. 10/10 wire mesh. This work will be considered incidental to other items of work under the contract.



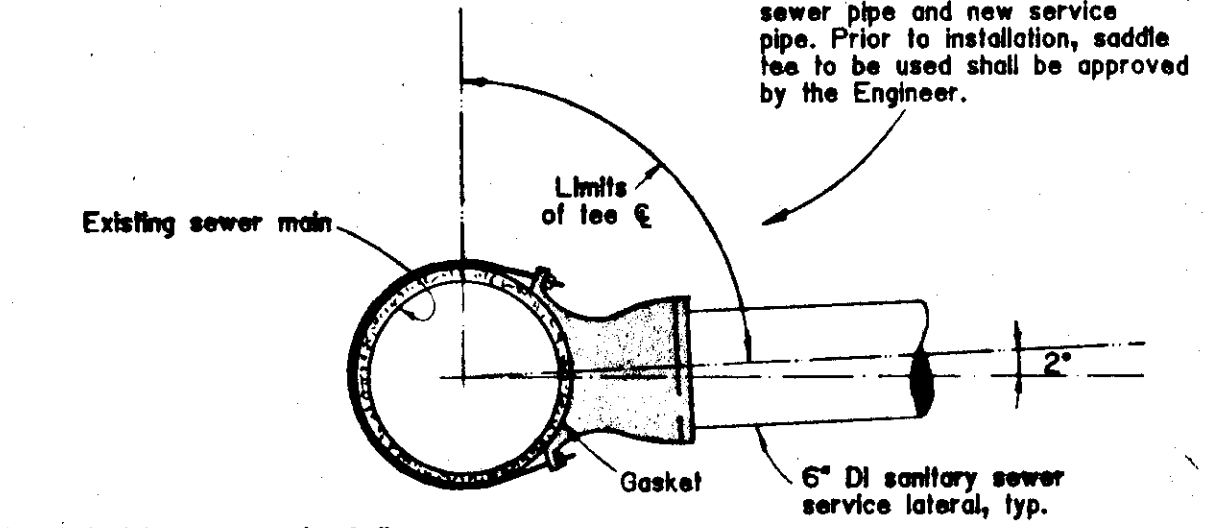
SPECIAL CATCH BASIN  
CB-9



Plug hole with "Romac Stainless-Seal Repair Clamp", or approved equal.  
For locations of holes to be plugged see Drawings G-6 thru G-10.

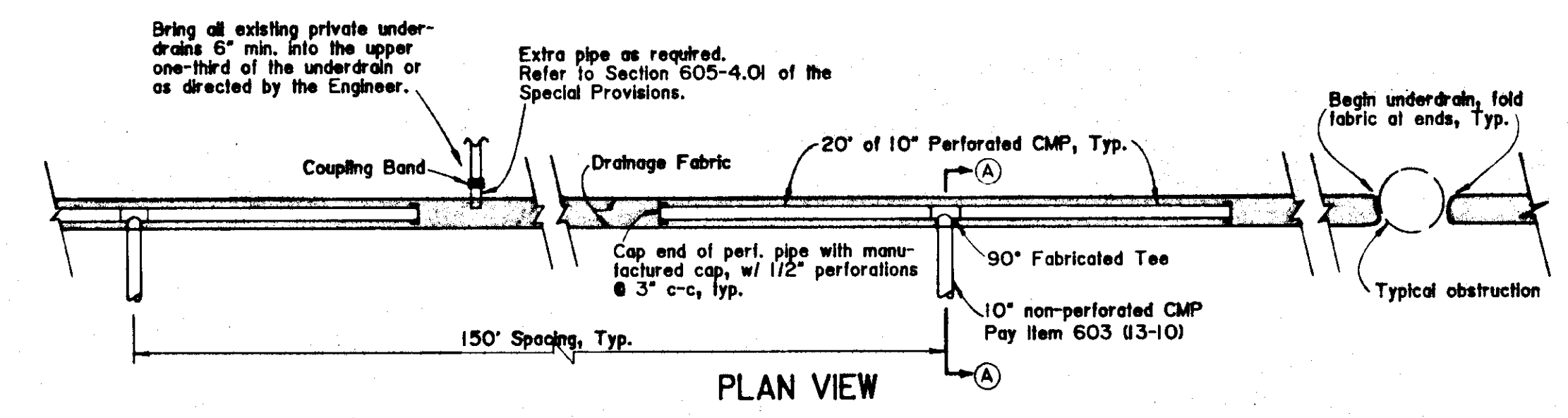
If alignment of existing service matches new service location, the saddle tee may be positioned over existing hole providing sewer main is in good condition at existing service location.

"Romac" or equivalent saddle tee shall be compatible to existing sewer pipe and new service pipe. Prior to installation, saddle tee to be used shall be approved by the Engineer.



New hole into sewer main shall be drilled. No punchout or chiseling permitted.

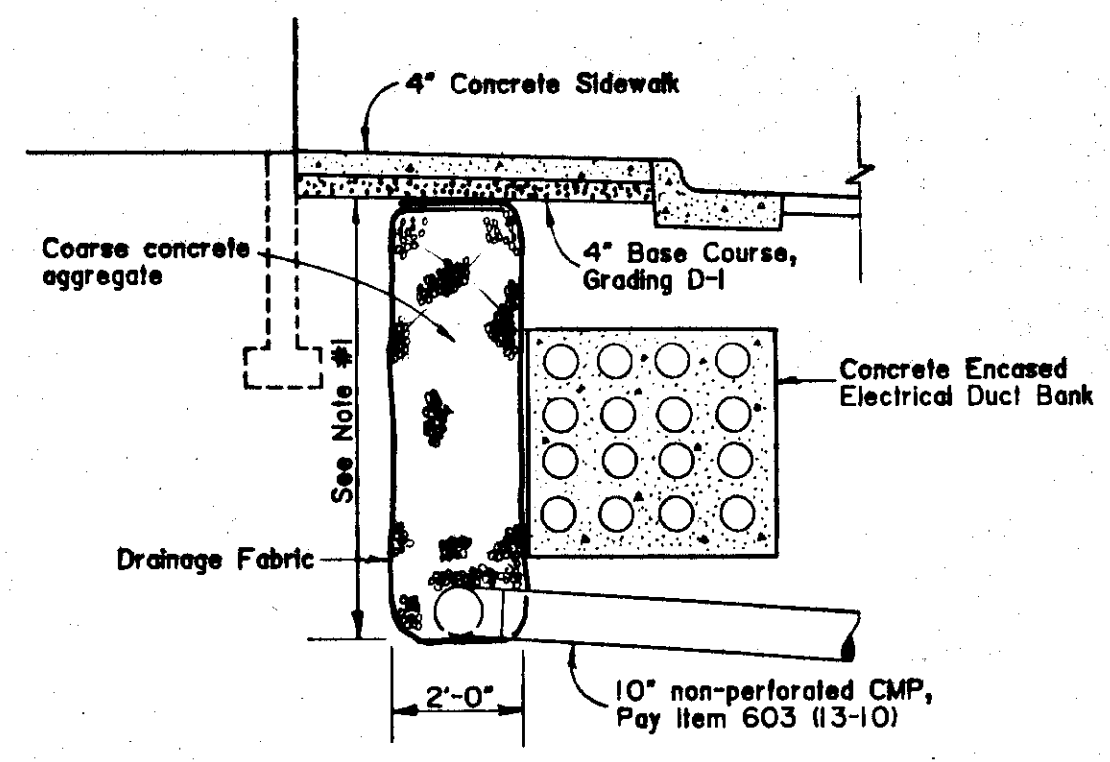
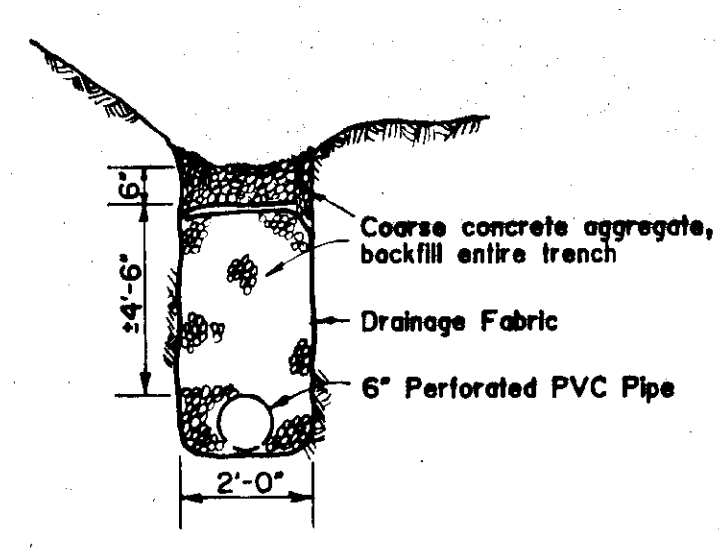
PLUG & NEW CONNECTIONS  
AT EXISTING SEWER MAINS



Bring all existing private underdrains 6" min. into the upper one-third of the underdrain or as directed by the Engineer.

Extra pipe as required. Refer to Section 605-4.01 of the Special Provisions.

Begin underdrain, fold fabric at ends, Typ.



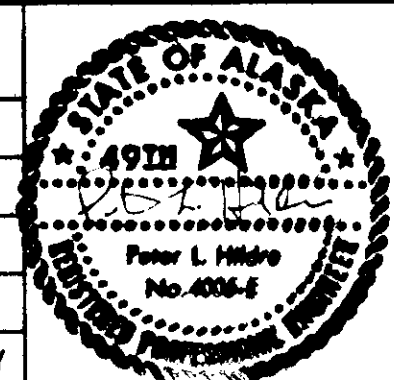
NOTES

- 1) Depth of Modified Underdrain shall allow 10" CMP laterals to be placed under electrical duct bank as directed by the Engineer. See Drawings E-2 thru E-5 for electrical duct bank locations and elevations.
- 2) All perforated conduit within the drainage fabric shall be considered incidental to Item 605, Modified Underdrain, and no separate payment will be made.
- 3) All penetrations through the drainage fabric shall be epoxy sealed as directed by the Engineer.
- 4) See Typical Sections on Drawing G-4 for additional details.

MODIFIED UNDERDRAIN

11/13/87

STATUS	DATE PRINTED
DATE	REVISIONS



**TONER-NORDLING & ASSOCIATES, INC.**  
114 SOUTH FRANKLIN STREET SUITE 204  
JUNEAU, ALASKA 99801  
(907) 586-2315

DRAWN BY: STAFF  
DESIGNED BY: PLH  
CHECKED BY: CBJ/DOI/PF

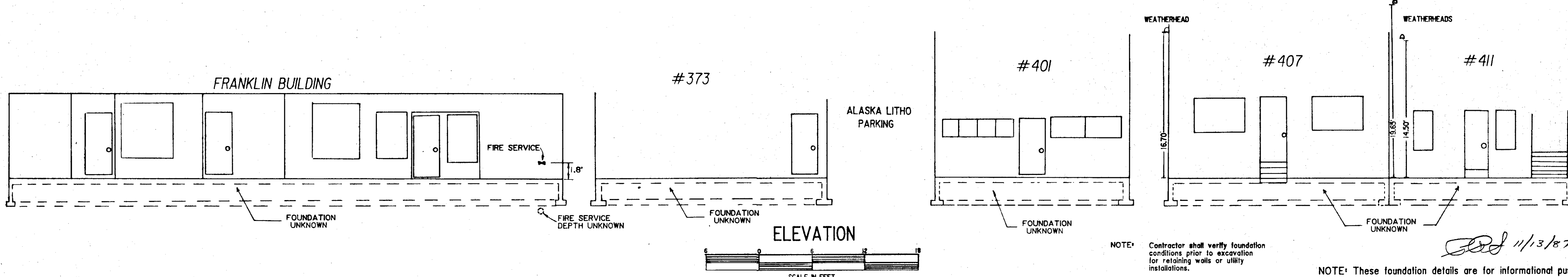
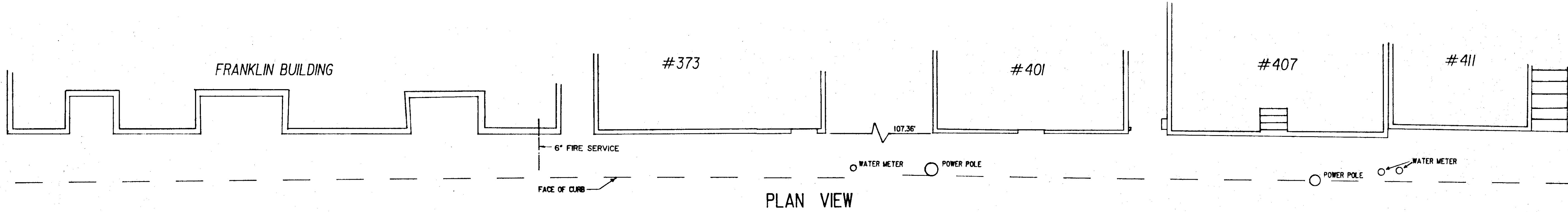
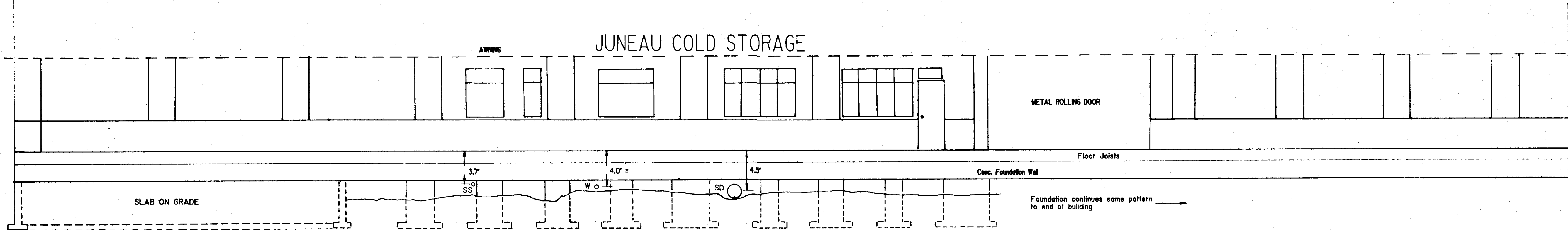
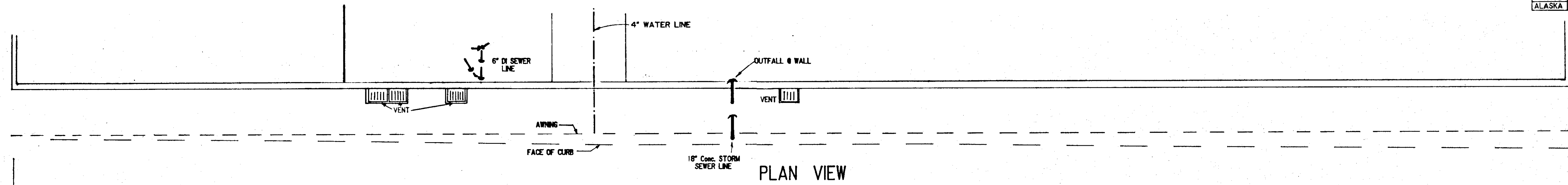
CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

RETAINING WALLS, WALKWAYS &  
MISCELLANEOUS DETAILS

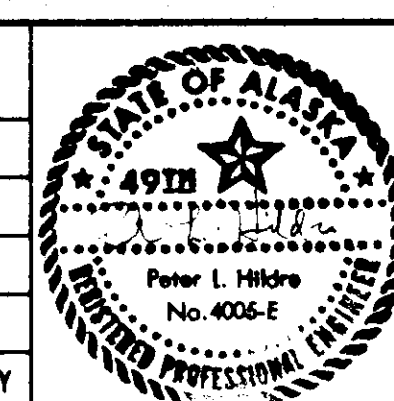
DATE: OCTOBER 1988  
JOB NO.: E 87-007  
SCALE: NOT TO SCALE

DRAWING NO.  
G-17

SHEET NO.  
17 of 45



STATUS	DATE PRINTED
DATE	REVISIONS



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 114 SOUTH FRANKLIN STREET SUITE 204  
 JUNEAU, ALASKA 99801  
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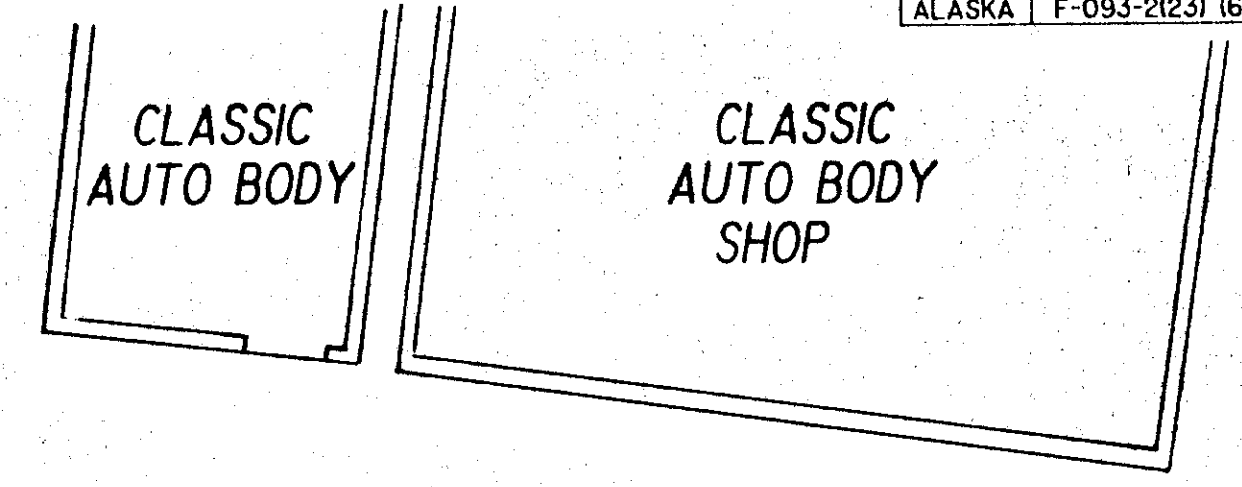
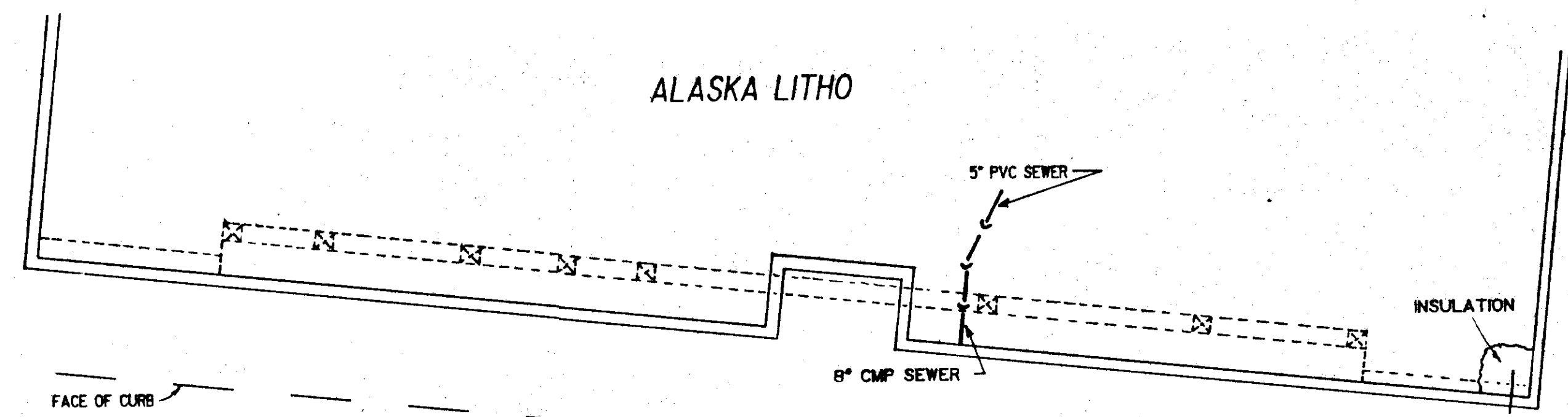
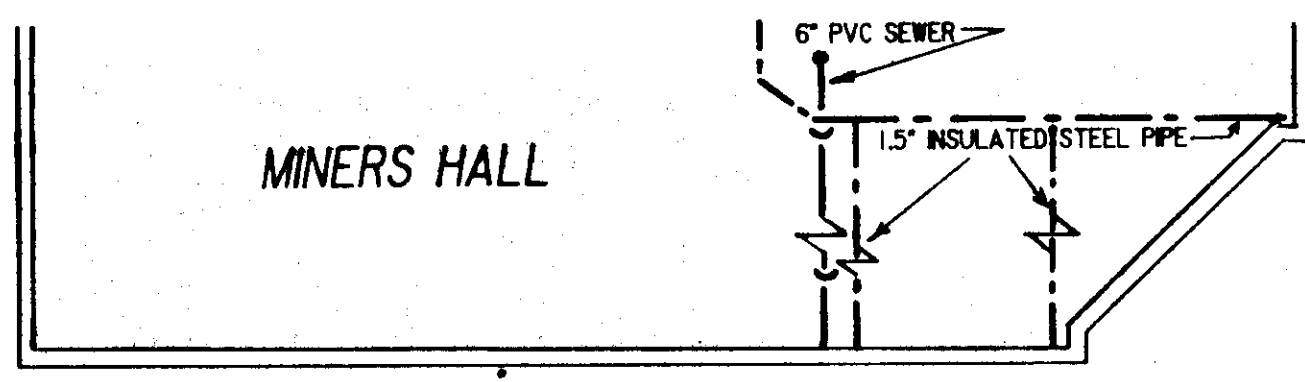
DRAWN BY: STAFF    DESIGNED BY: PLH    CHECKED BY: CBJ/DOT/PF

CITY & BOROUGH OF JUNEAU  
 ALASKA DOT/PF  
 SOUTH FRANKLIN STREET  
 PHASE III

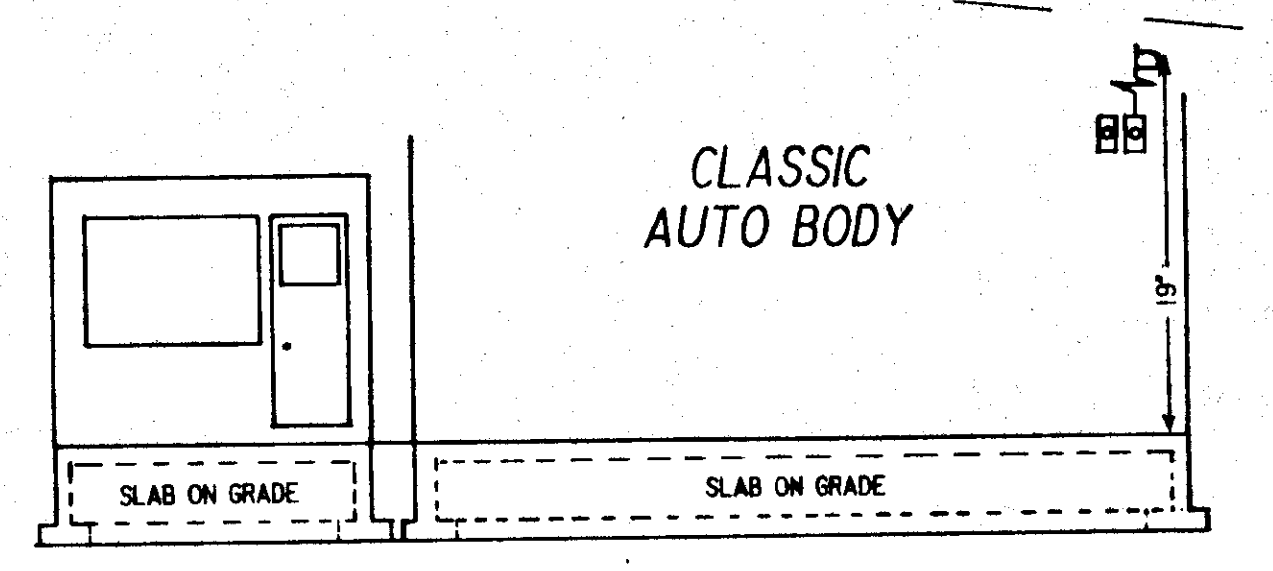
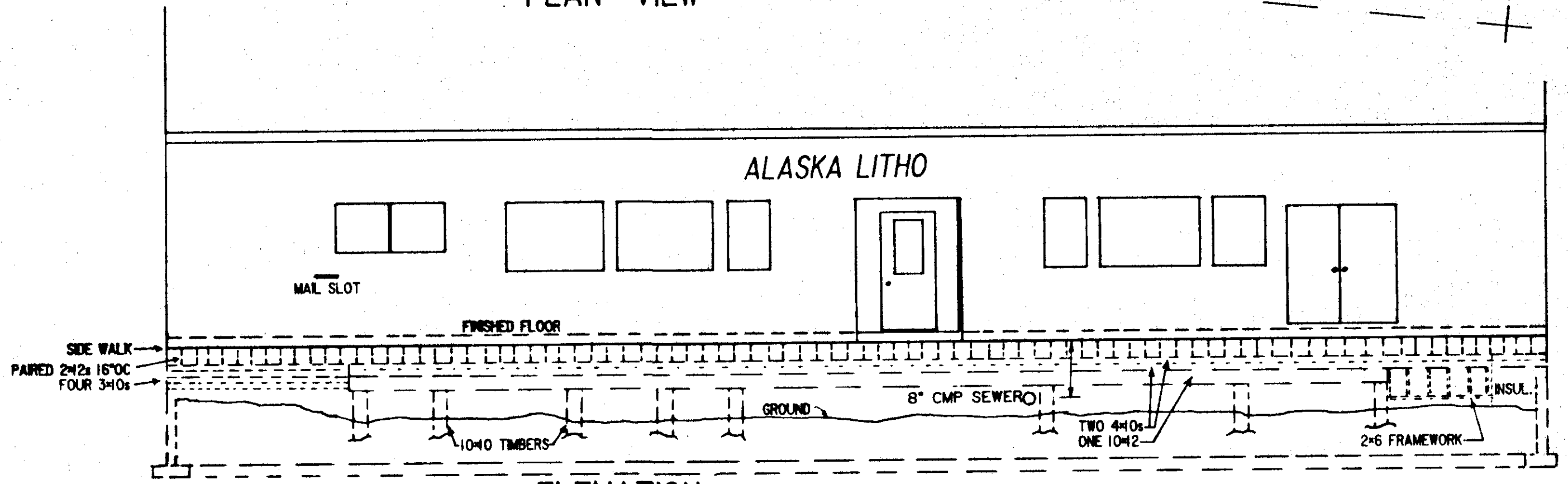
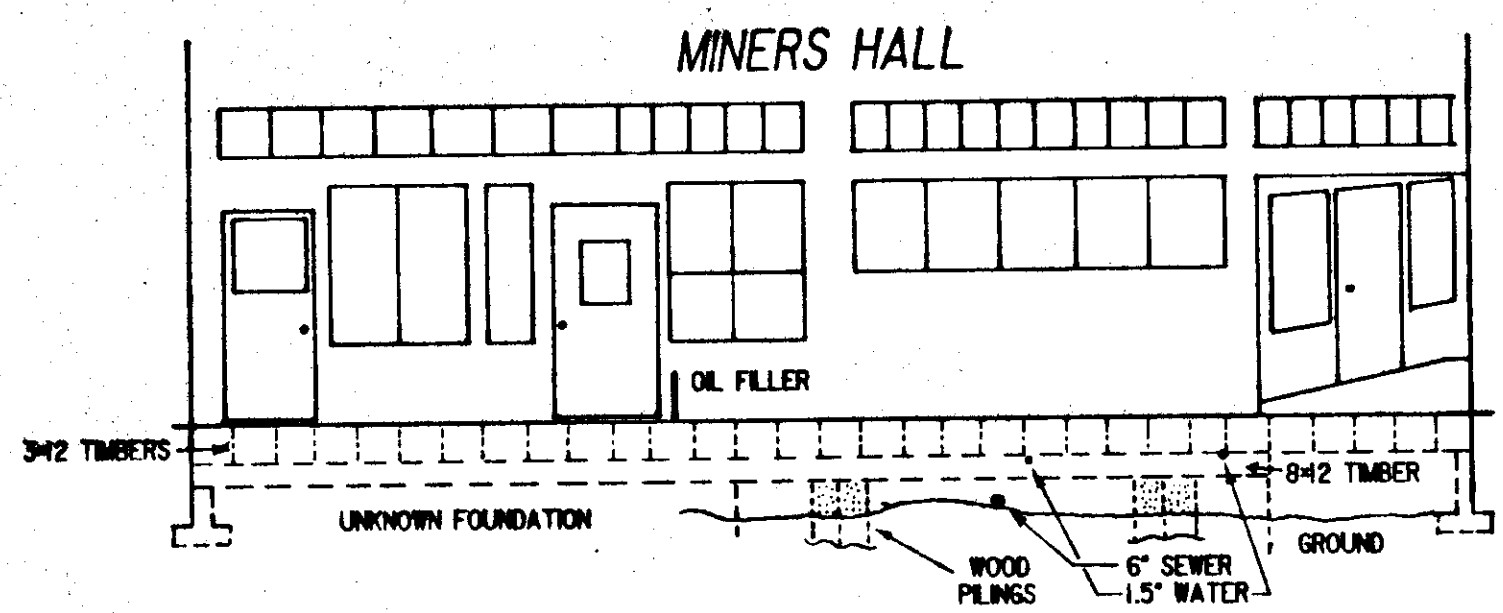
**SUBSTRUCTURE AS-BUILTS**

DATE: OCTOBER 1986    JOB NO.: E 87-007    SCALE: 1"=6' HORIZONTAL

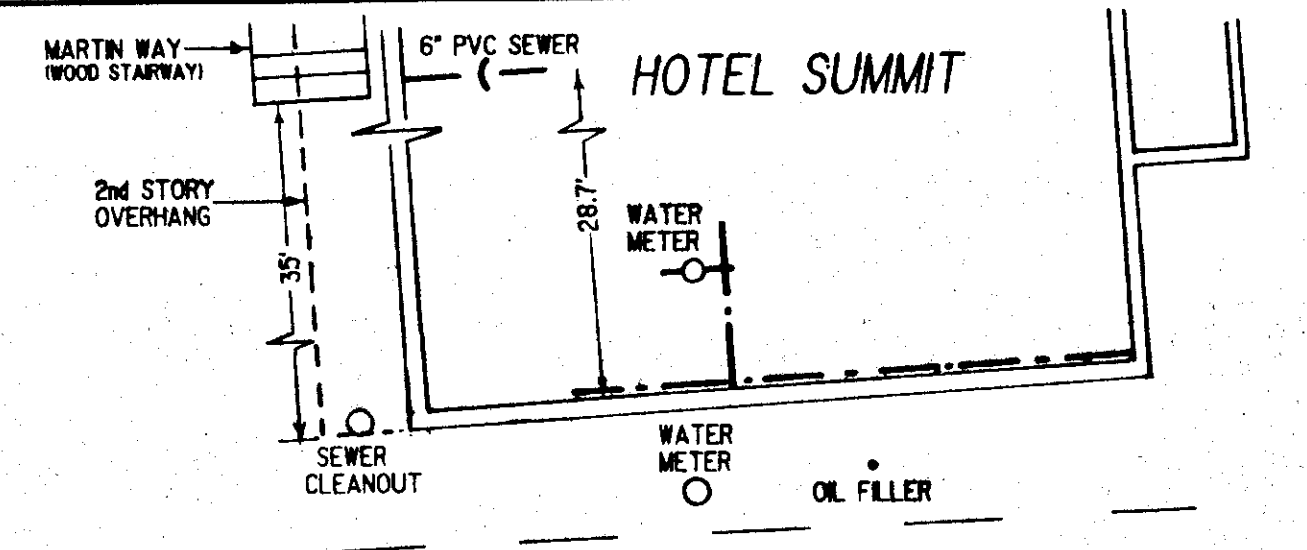
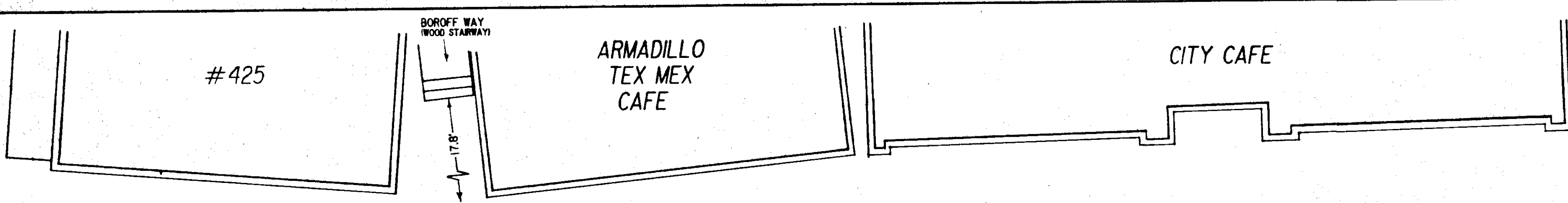
DRAWING NO. **G-18**  
 SHEET NO. **18 of 45**



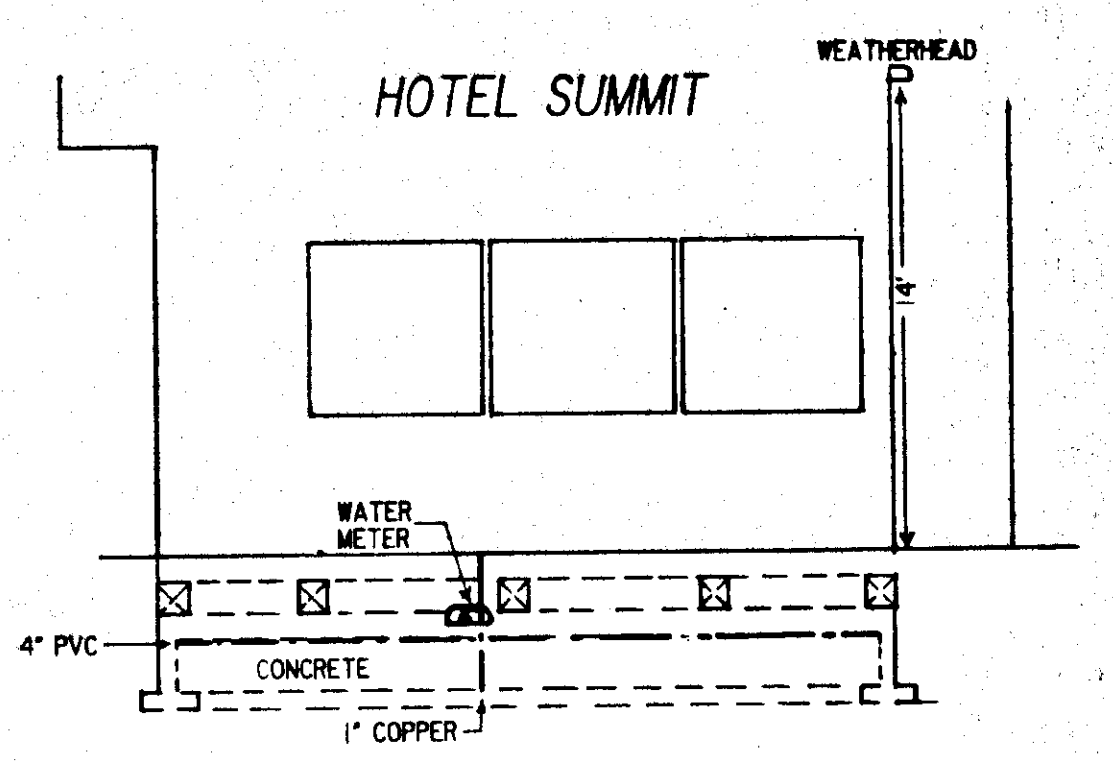
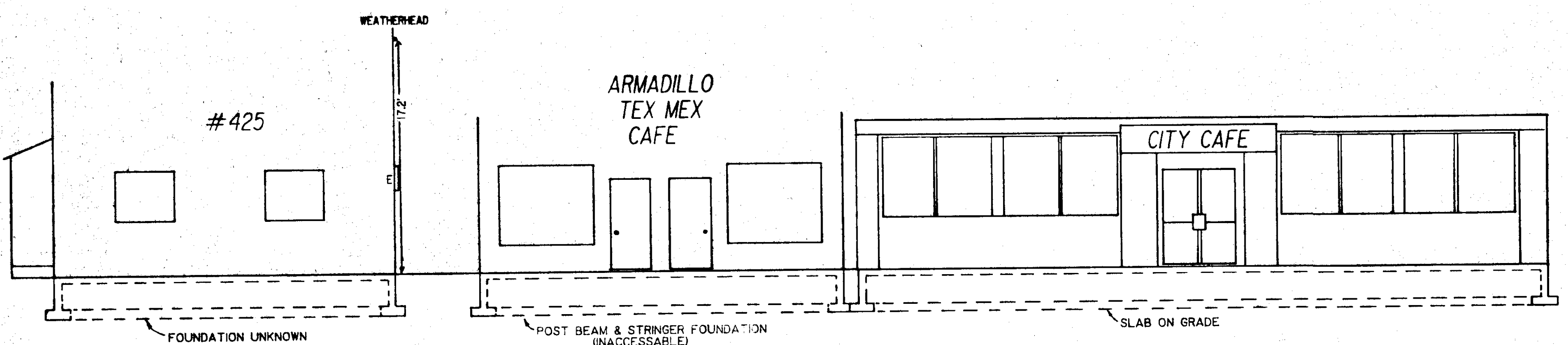
PLAN VIEW



ELEVATION



PLAN VIEW



ELEVATION

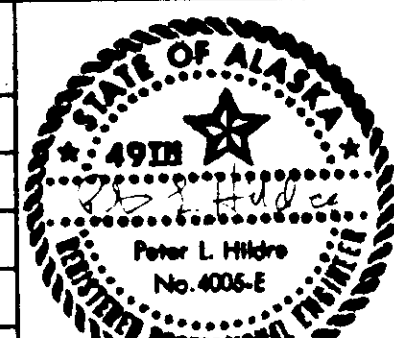


*PLH* 11/3/87

NOTE: Contractor shall verify foundation conditions prior to excavation for retaining walls or utility installations.

NOTE: These foundation details are for informational purposes only

STATUS	DATE PRINTED



**TONER-NORDLING & ASSOCIATES, INC.**  
 114 SOUTH FRANKLIN STREET SUITE 204  
 JUNEAU, ALASKA 99801  
 (907) 586-2315

DRAWN BY: STAFF    DESIGNED BY: PLH    CHECKED BY: CBJ/DOT/PF

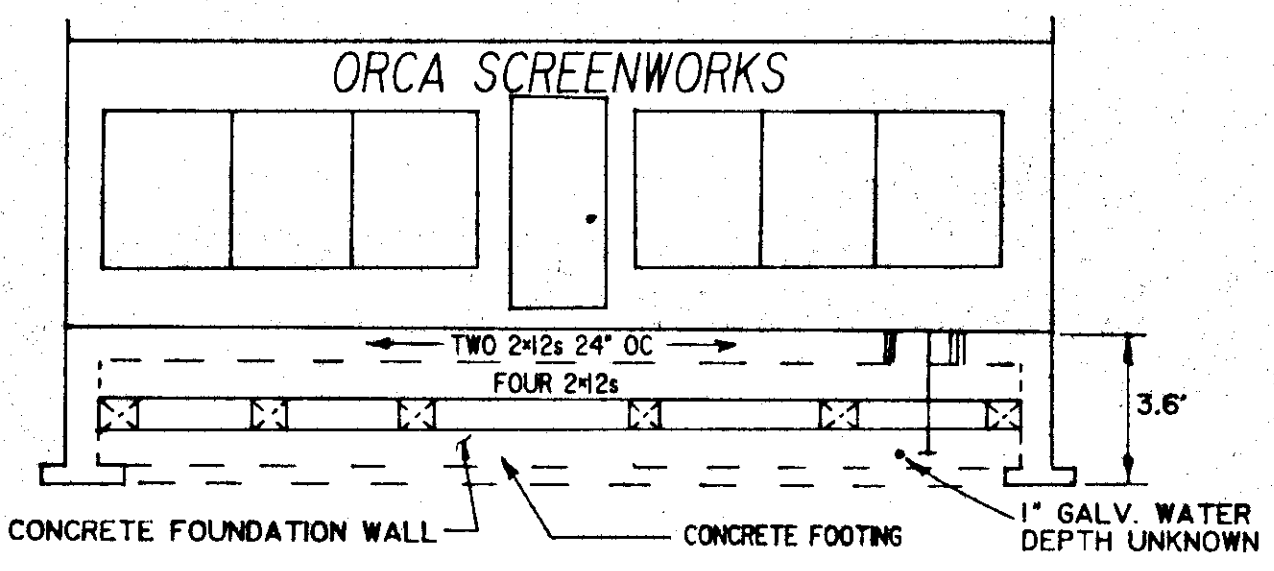
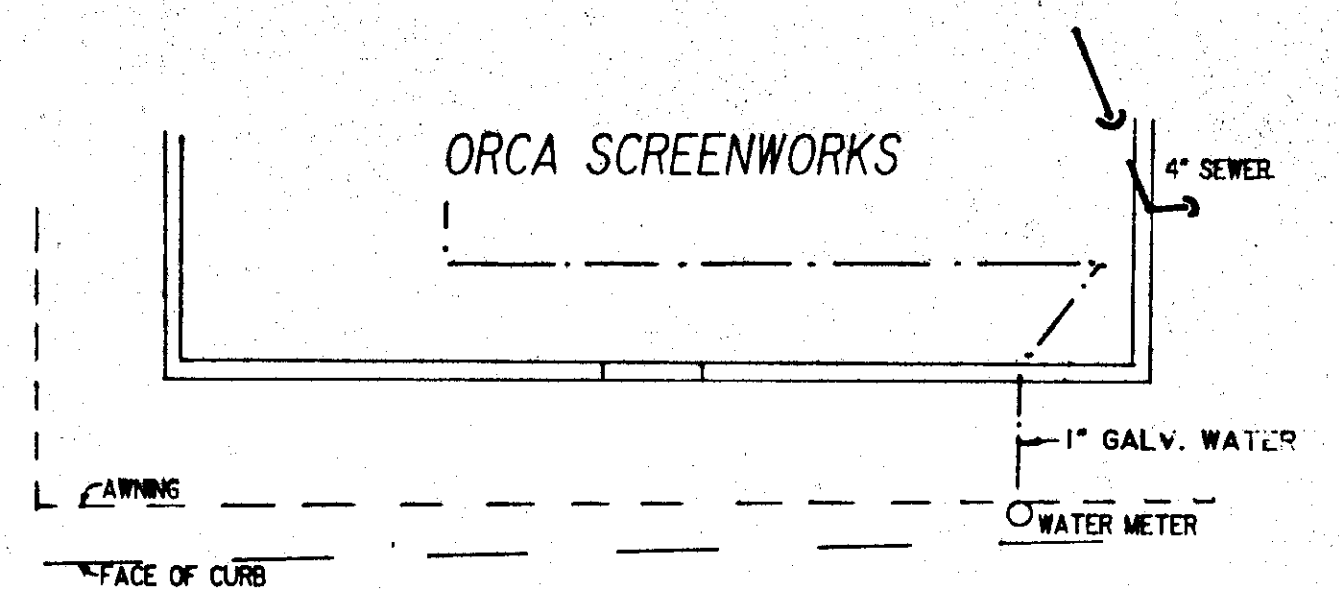
CITY & BOROUGH OF JUNEAU  
 ALASKA DOT/PF  
 SOUTH FRANKLIN STREET  
 PHASE III

**SUBSTRUCTURE AS-BUILTS**

DATE: OCTOBER 1986    JOB NO.: E 87-007    SCALE: 1" = 6' HORIZONTAL

DRAWING NO.	G-19
SHEET NO.	19 of 45

PLAN VIEW

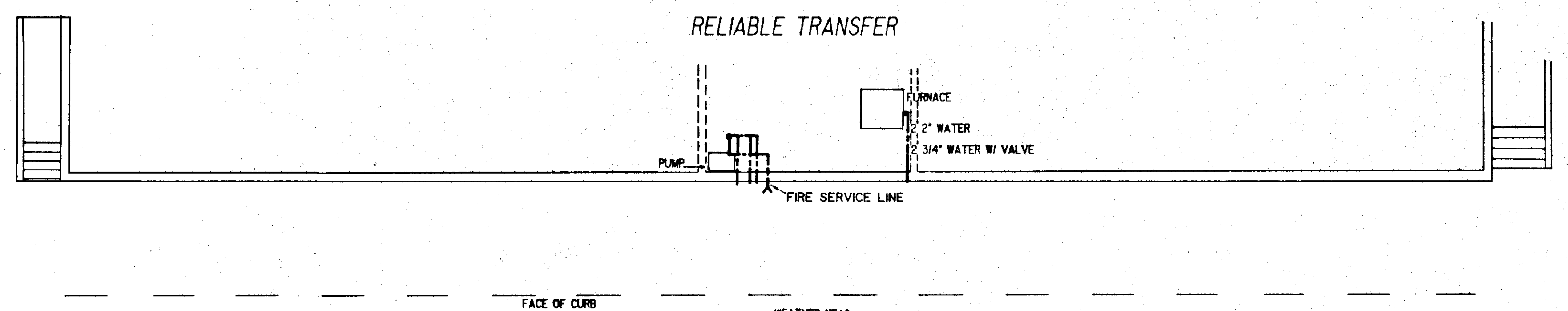


NOTE: Contractor shall verify foundation conditions prior to excavation for retaining walls or utility installations.

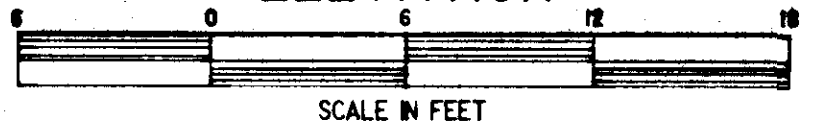
ELEVATION



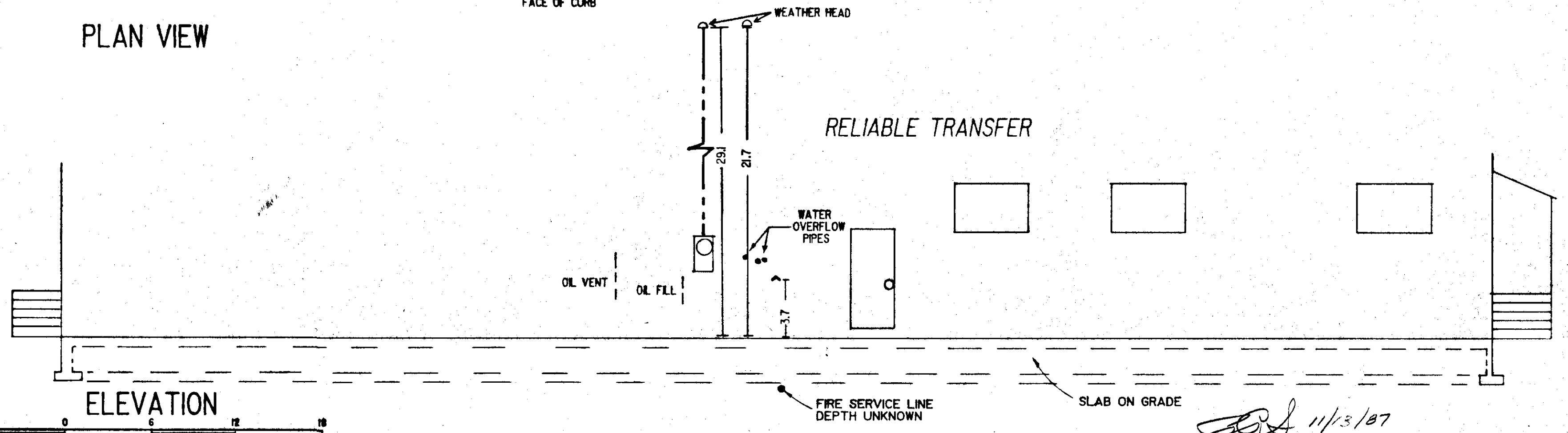
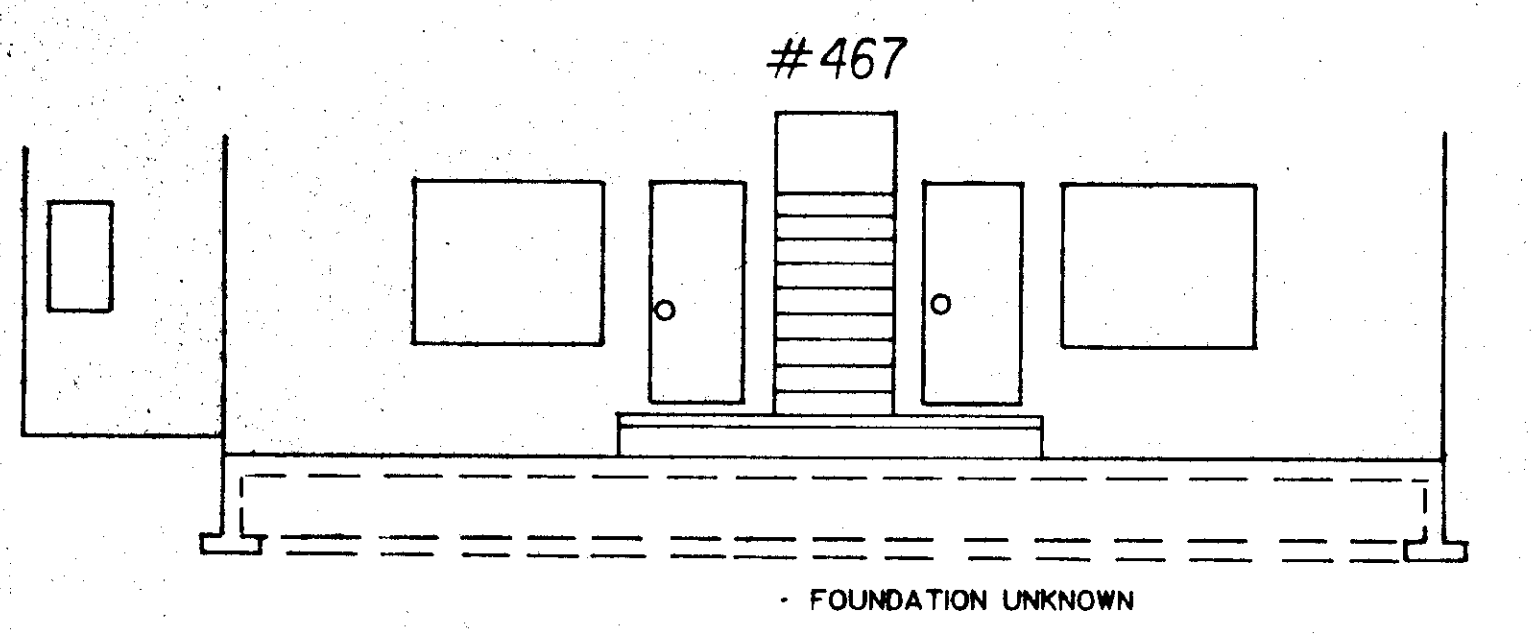
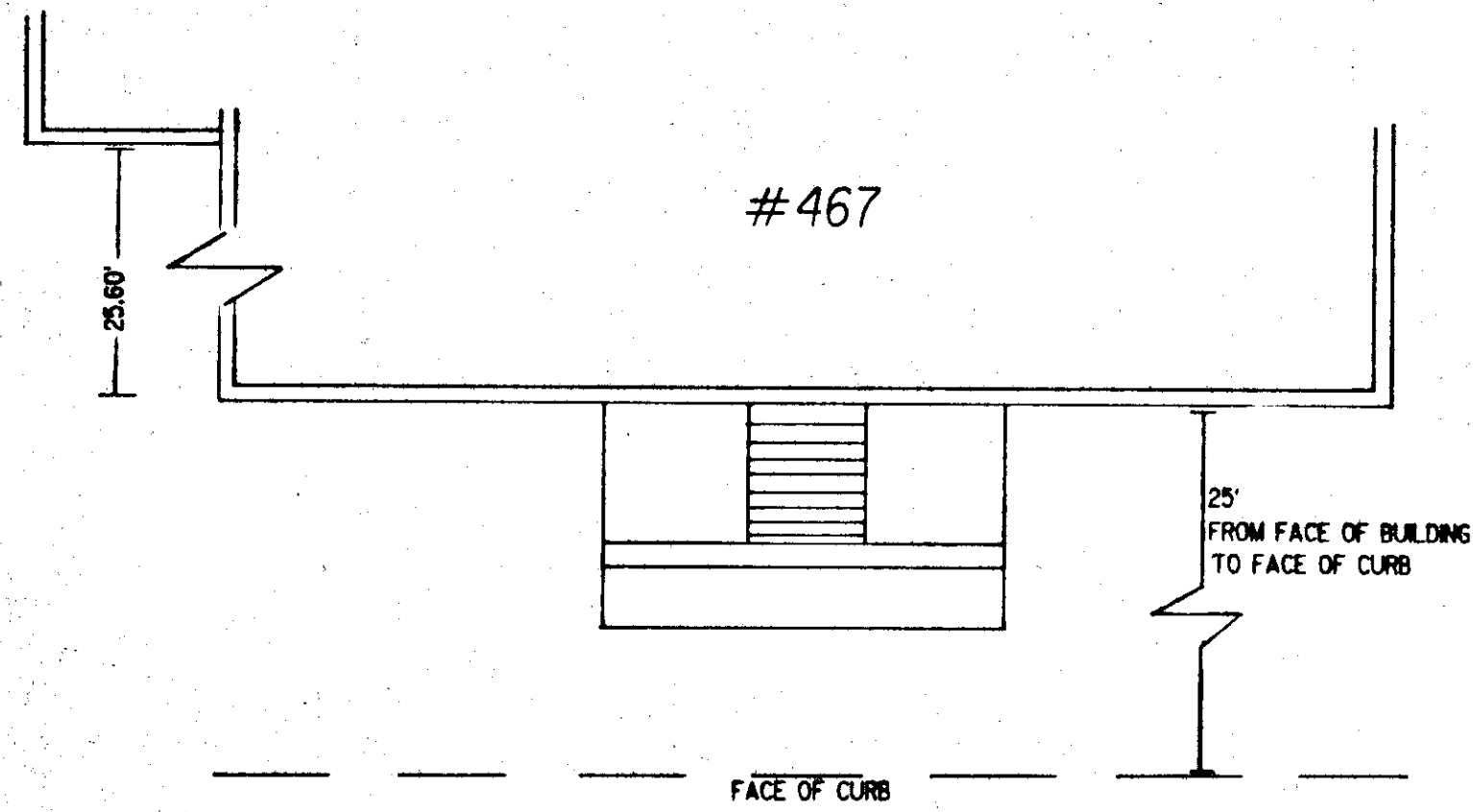
PLAN VIEW



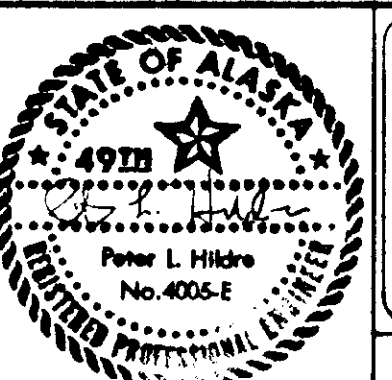
ELEVATION



NOTE: These foundation details are for informational purposes only



STATUS	DATE PRINTED
REVISIONS	BY



**TONER-NORDLING & ASSOCIATES, INC.**  
 114 SOUTH FRANKLIN STREET SUITE 204  
 JUNEAU, ALASKA 99801  
 (907) 586-2315

DRAWN BY: STAFF    DESIGNED BY: PLH    CHECKED BY: CBJ/DDT/PF

CITY & BOROUGH OF JUNEAU  
 ALASKA DOT/PF  
 SOUTH FRANKLIN STREET  
 PHASE III

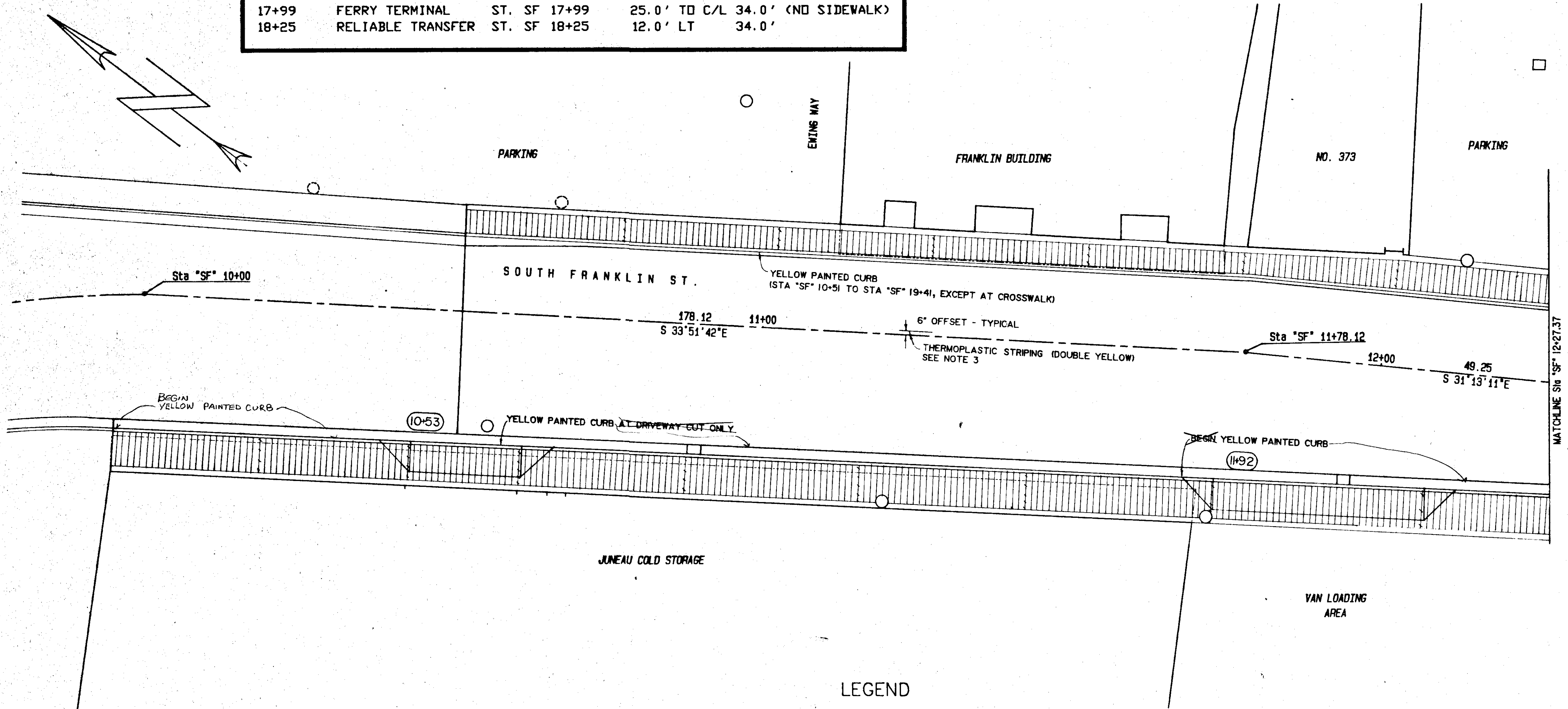
**SUBSTRUCTURE AS-BUILTS**

DATE: OCTOBER 1988    JOB NO.: E 87-007    SCALE: 1"=6' HORIZONTAL

DRAWING NO.  
**G-20**

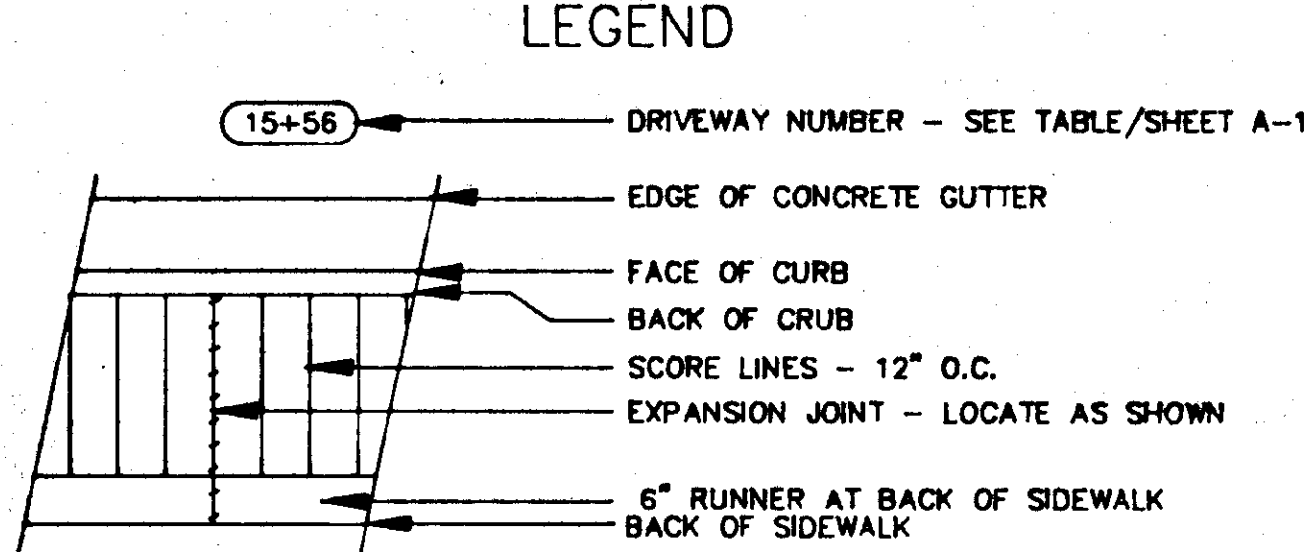
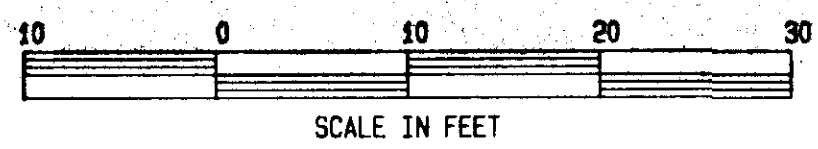
SHEET NO.  
**20 of 45**

DRIVEWAY CUTS					
NUMBER	LOCATION	C/L DRIVEWAY	OFFSET	WIDTH	COMMENTS
10+53	COLD STORAGE	ST. SF 10+53	21.5' RT	18.0'	
11+92	COLD STORAGE	ST. SF 11+92	20.0' RT	34.0'	
12+59	CLASSIC AUTO	ST. SF 12+59	16.0' RT	20.0'	
13+94	WARNER'S WHARF	ST. SF 13+94	12.0' RT	20.0'	
15+31	PEOPLE'S WHARF	ST. SF 15+31	18.0' TO C/L	25.0'	(NO SIDEWALK)
15+57	CITY CAFE	ST. SF 15+57	12.0' LT	22.0'	
15+78	FERRY TERMINAL	ST. SF 15+78	25.0' TO C/L	24.0'	(NO SIDEWALK)
16+46	NO. 467	ST. SF 16+46	12.0' LT	24.0'	
17+99	FERRY TERMINAL	ST. SF 17+99	25.0' TO C/L	34.0'	(NO SIDEWALK)
18+25	RELIABLE TRANSFER	ST. SF 18+25	12.0' LT	34.0'	



**GENERAL NOTES**

- SEE G-SERIES DRAWINGS FOR CURB LAYOUT, LIGHTING LAYOUT, GRADES, AND UTILITIES.
- SEE E-SERIES DRAWINGS FOR ELECTRICAL DESIGN AND STREET LIGHTING CIRCUIT REQUIREMENTS.
- STRIPING: PROVIDE THERMOPLASTIC CENTERLINE STRIPING AS PER SECTION 670 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE STANDARD DRAWINGS.
- PAINTED TRAFFIC MARKINGS: ALL TRAFFIC MARKINGS EXCEPT CENTERLINE SHALL BE PAINTED PER SECTION 670 AND THE APPLICABLE STANDARD DRAWINGS.
- ALL LANDSCAPING ITEMS SHOWN BUT NOT COVERED BY A PAY ITEM ARE NOT INCLUDED IN THIS CONTRACT AND WILL BE DONE BY OTHERS.
- SEE DETAILS, SHEET A-8 FOR SIDEWALK CONSTRUCTION AND FINISH.



STATUS	DATE PRINTED
DATE	REVISIONS



**NORDATA SERVICES**  
**LANDSCAPES BY DESIGN**  
**LANDSCAPE ARCHITECTS**

DRAWN BY: J.O.    DESIGNED BY: J.O.    CHECKED BY: CBJ & DOT/JP

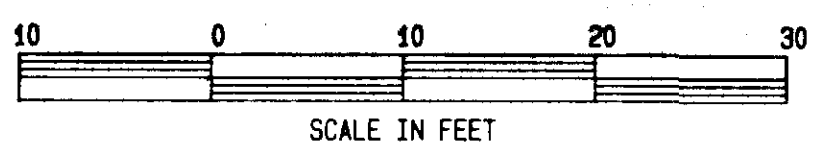
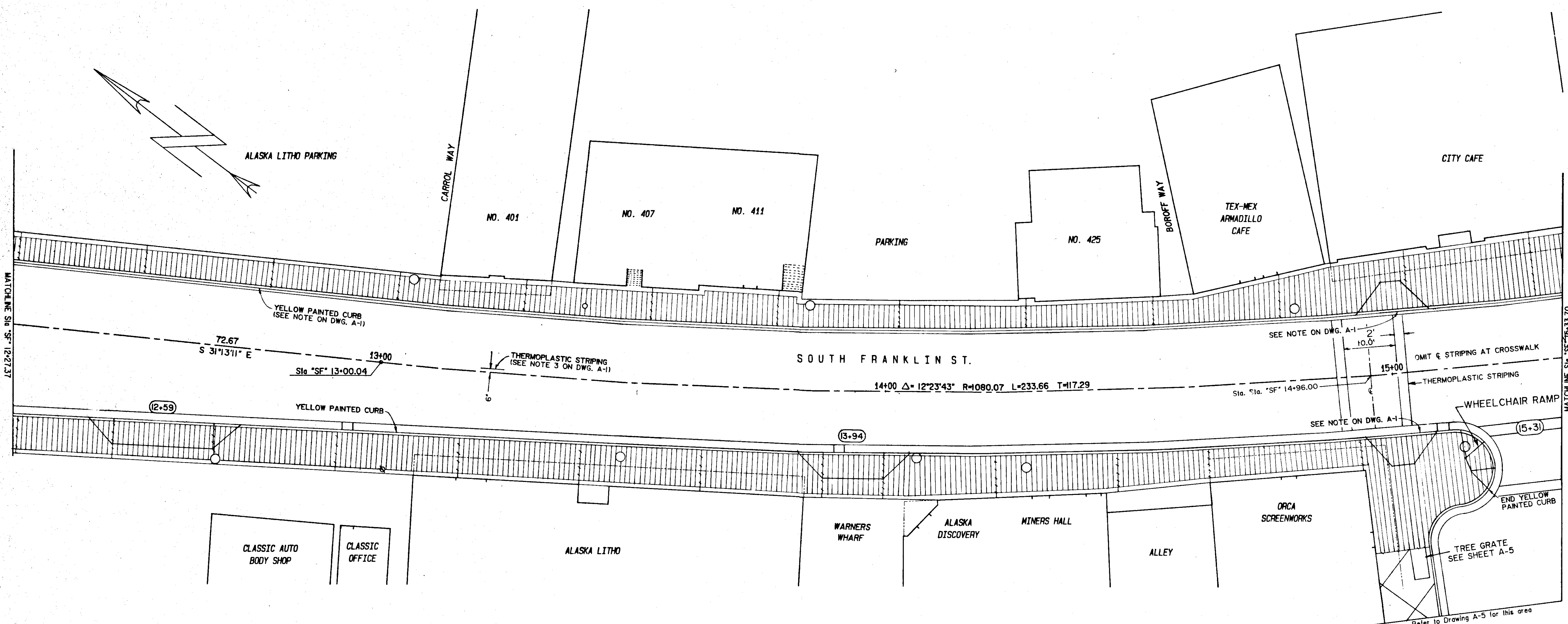
**CITY & BOROUGH OF JUNEAU**  
**ALASKA DOT/PF**  
**SOUTH FRANKLIN STREET**  
**PHASE III**

**SIDEWALK FINISH & LANDSCAPE FEATURES**  
**Sta. "SF" 10+00.00 to Sta. "SF" 12+27.37**

DATE: October 1988    JOB NO.: E 87-007    SCALE: 1"=10' HORIZONTAL

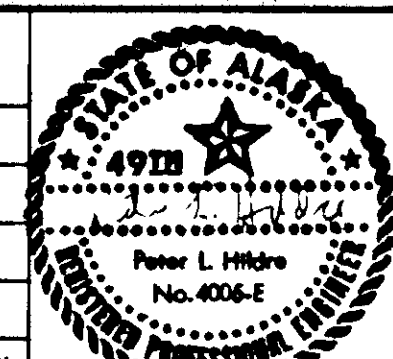
DRAWING NO.  
**A-1**

SHEET NO.  
**21 of 45**



*12/18/87*

STATUS	DATE PRINTED
DATE	REVISIONS



**NORDATA SERVICES  
LANDSCAPES BY DESIGN  
LANDSCAPE ARCHITECTS**

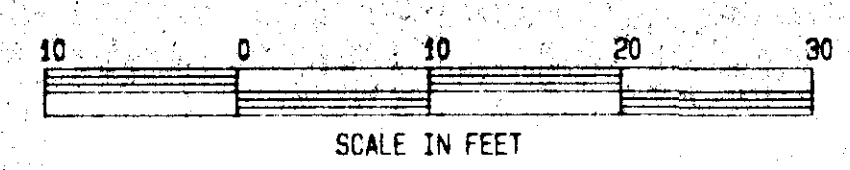
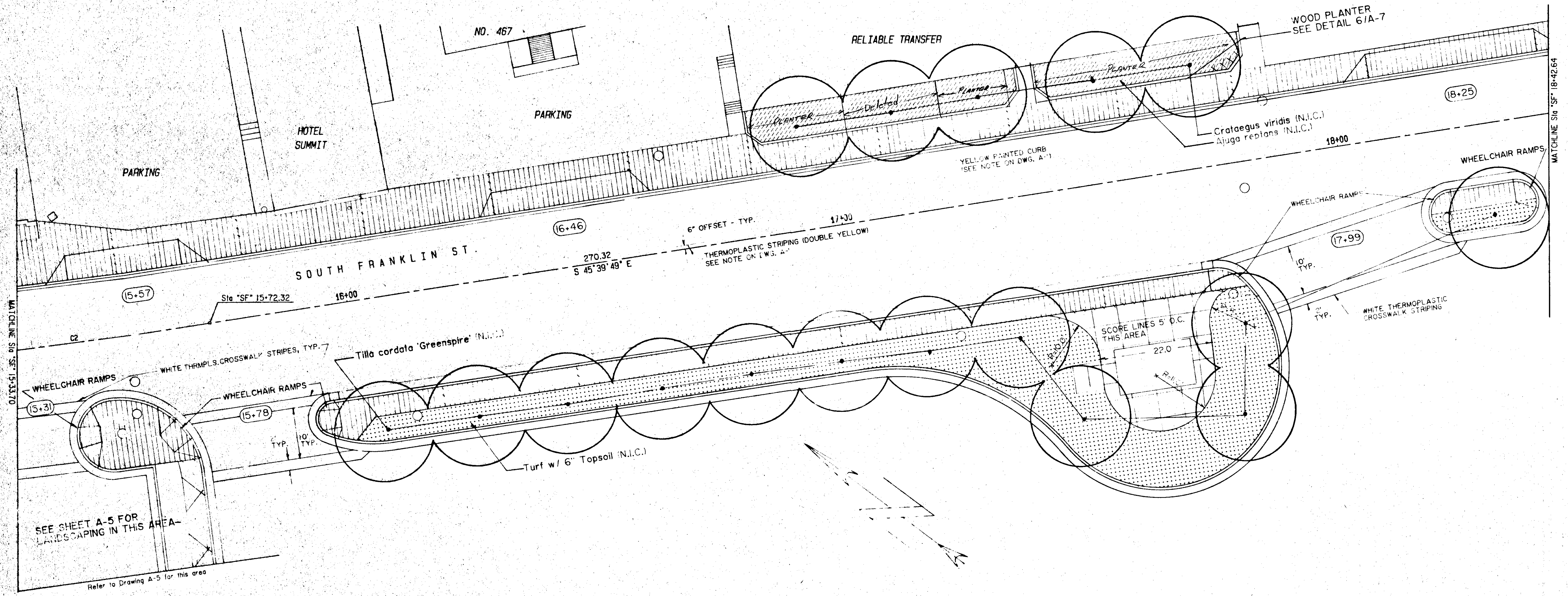
DRAWN BY: J.O.    DESIGNED BY: J.O.    CHECKED BY: CBJ & DOT/PF

**CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III**

**SIDEWALK FINISH & LANDSCAPE FEATURES**  
Sta. "SF" 12+27.37 to Sta. "SF" 15+33.70

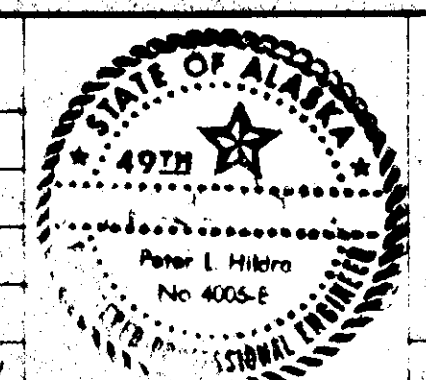
DATE: October 1988    JOB NO.: E-87-007    SCALE: 1"=10' HORIZONTAL

DRAWING NO. **A-2**  
SHEET NO. **22 of 45**



*12/10/87*

STATUS	DATE PRINTED
DATE	REVISIONS



**NORDATA SERVICES**  
**LANDSCAPES BY DESIGN**  
**LANDSCAPE ARCHITECTS**

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**CITY & BOROUGH OF JUNEAU**  
**ALASKA DOT/PF**  
**SOUTH FRANKLIN STREET**  
**PHASE III**

**SIDEWALK FINISH & LANDSCAPE FEATURES**  
**Sta. "SF" 15+33.70 to Sta. "SF" 18+42.64**

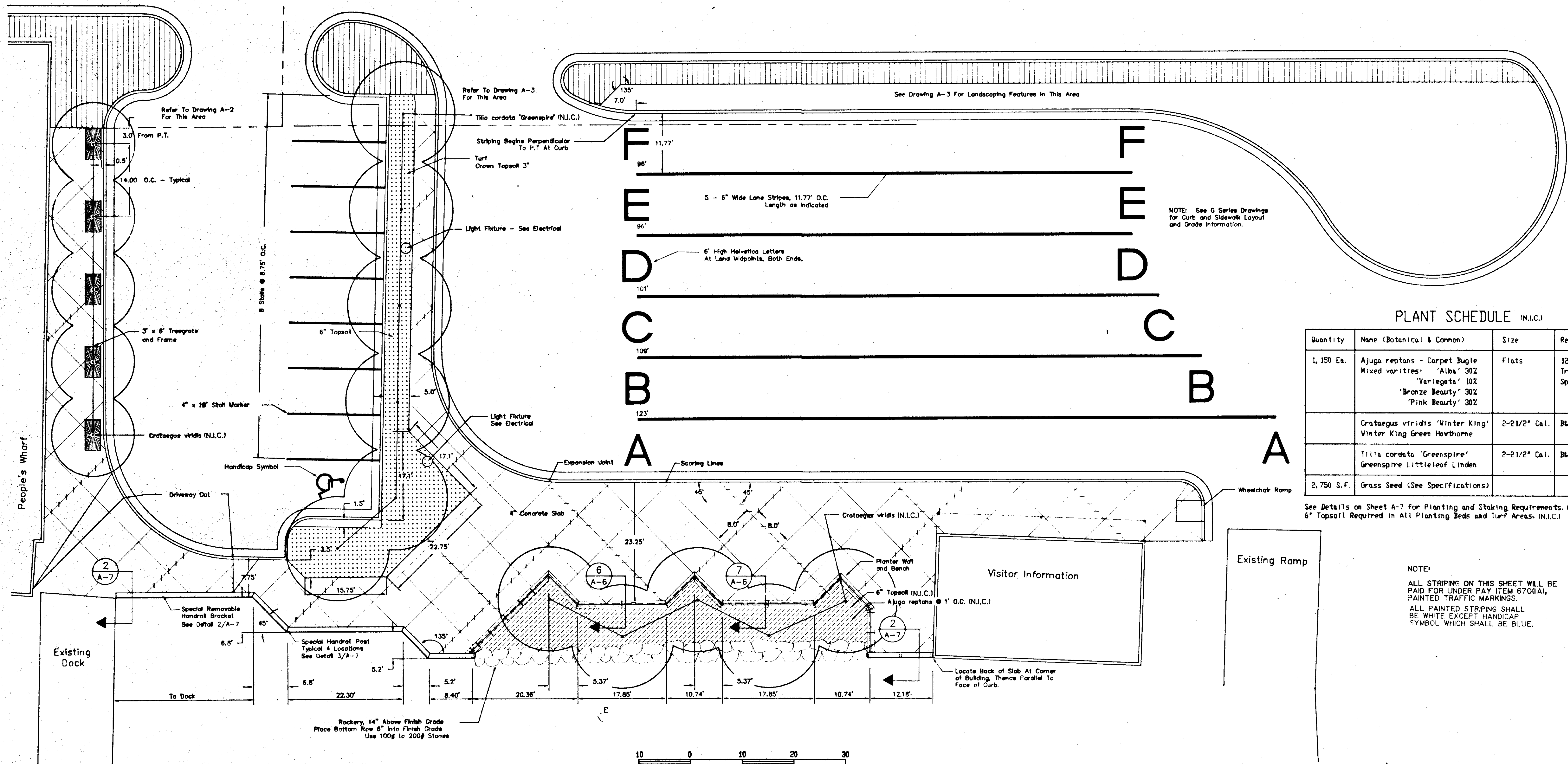
DATE: October 1986    JOB NO.: F-47-307    SCALE: 1"=10' HORIZONTAL

DRAWING NO.  
**A-3**

SHEET NO.  
**23 of 45**



SOUTH FRANKLIN STREET



NOTE: See G Series Drawings for Curb and Sidewalk Layout and Grade Information.

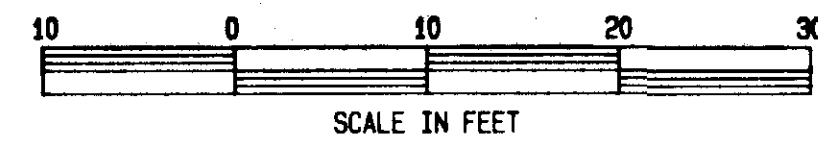
PLANT SCHEDULE (N.I.C.)

Quantity	Name (Botanical & Common)	Size	Remarks
1,150 Ea.	Ajuga reptans - Carpet Bugle Mixed varieties: 'Alba' 30Z 'Variegata' 10Z 'Bronze Beauty' 30Z 'Pink Beauty' 30Z	Flats	12" O.C. Triangular Spacing
	Crataegus viridis 'Winter King' Winter King Green Hawthorne	2-2 1/2" Cal.	B&B
	Tilia cordata 'Greenspire' Greenspire Littleleaf Linden	2-2 1/2" Cal.	B&B
2,750 S.F.	Grass Seed (See Specifications)		

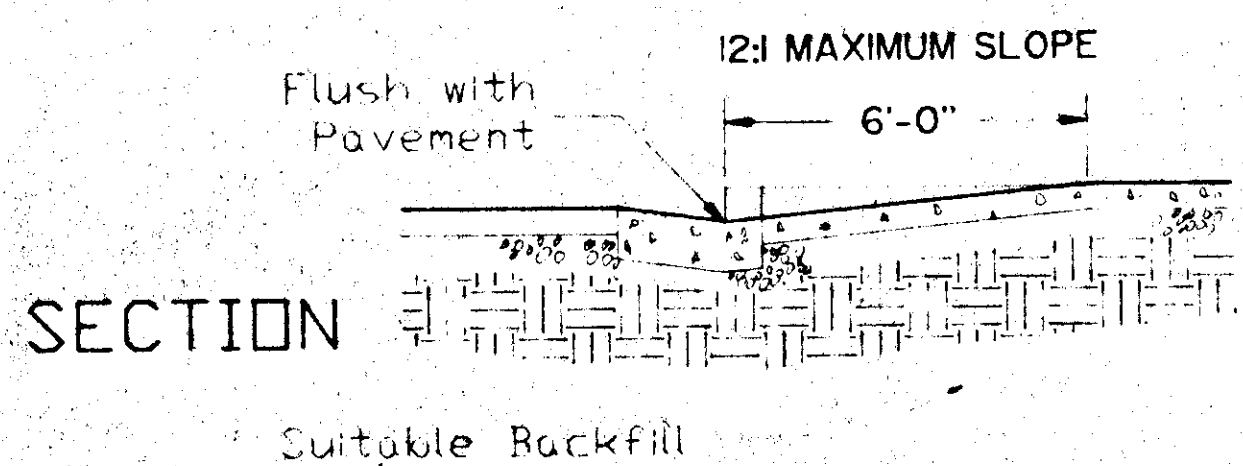
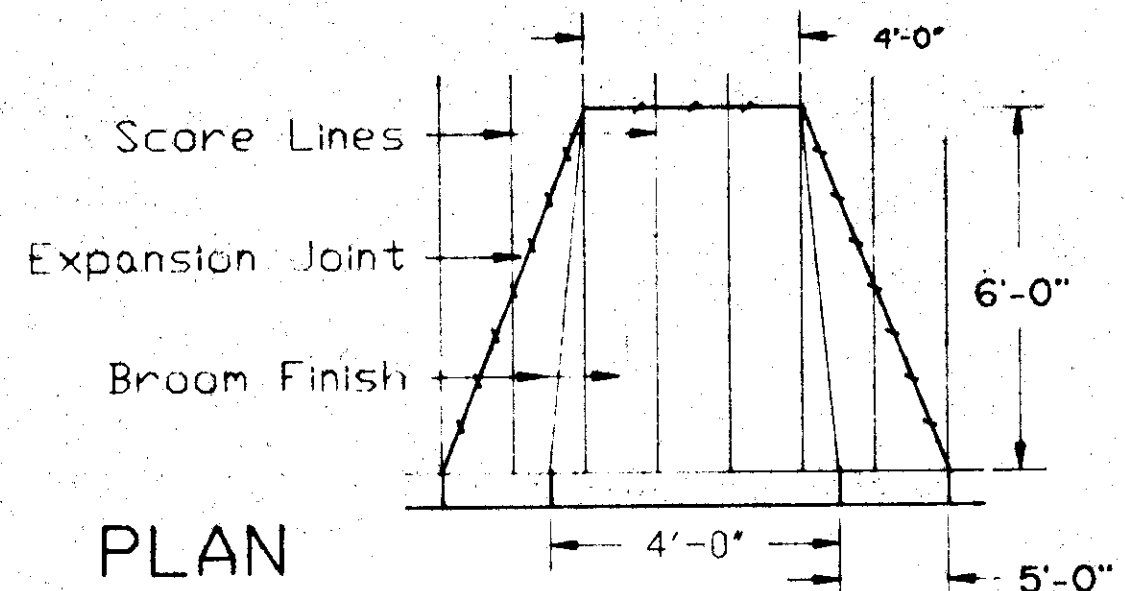
See Details on Sheet A-7 for Planting and Staking Requirements. (N.I.C.)  
6" Topsoil Required in All Planting Beds and Turf Areas. (N.I.C.)

NOTE:  
ALL STRIPING ON THIS SHEET WILL BE PAID FOR UNDER PAY ITEM 6701(A), PAINTED TRAFFIC MARKINGS.  
ALL PAINTED STRIPING SHALL BE WHITE EXCEPT HANDICAP SYMBOL WHICH SHALL BE BLUE.

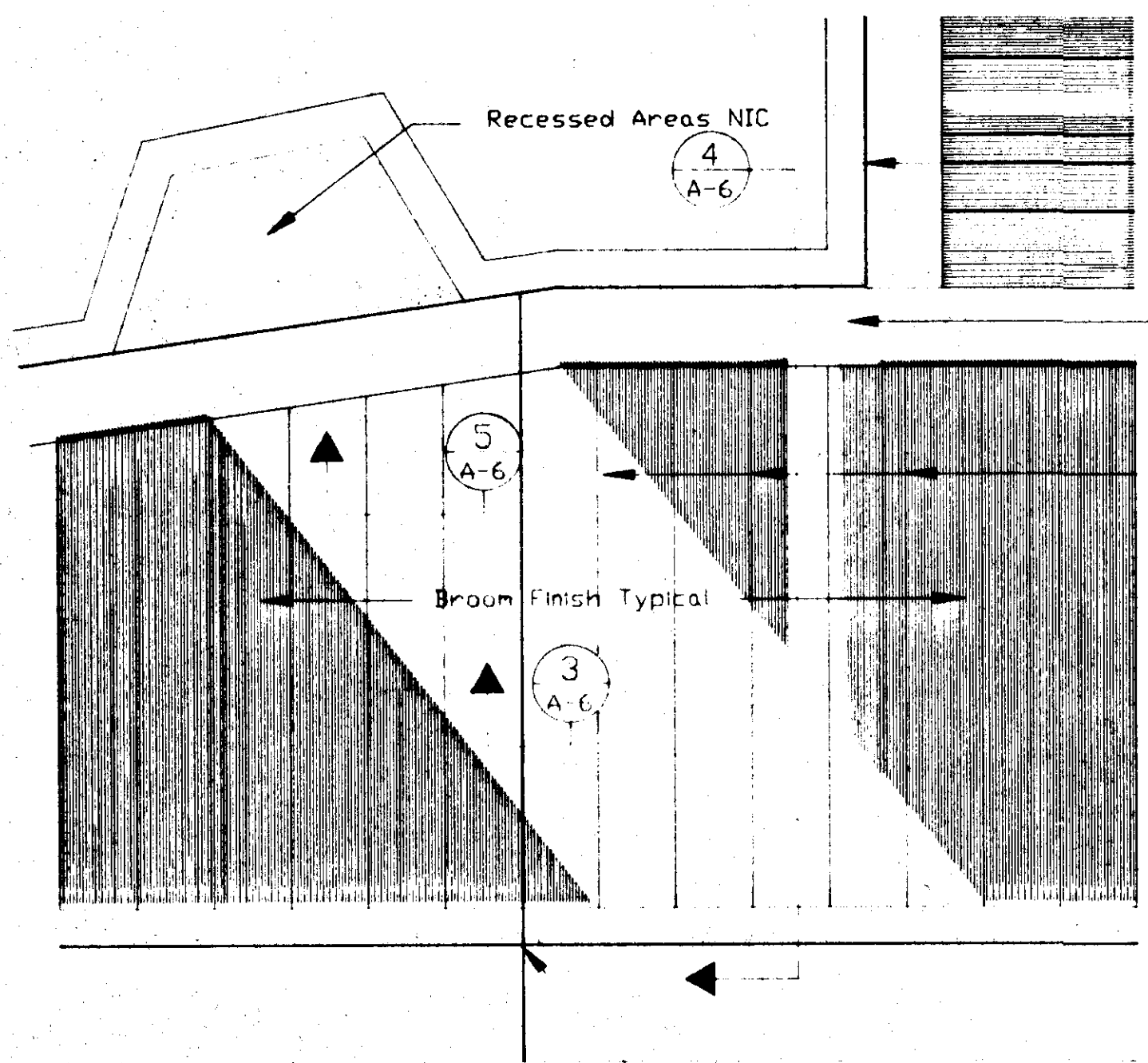
CBJ 12/19/87



STATUS		DATE PRINTED			<p>NORDATA SERVICES LANDSCAPES BY DESIGN LANDSCAPE ARCHITECTS</p>	<p>CITY &amp; BOROUGH OF JUNEAU ALASKA DOT/PF SOUTH FRANKLIN STREET PHASE III</p>	<p>SIDEWALK FINISH &amp; LANDSCAPE FEATURES Cruise Ship Terminal</p>	DRAWING NO. A-5	
DATE	REVISIONS	BY						SHEET NO. 25 of 45	
DRAWN BY: J.O.		DESIGNED BY: J.O./J.A.		CHECKED BY: CBJ/DOT/JP		DATE: OCTOBER 1988		JOB NO.: E 87-007	SCALE: 1"=10'



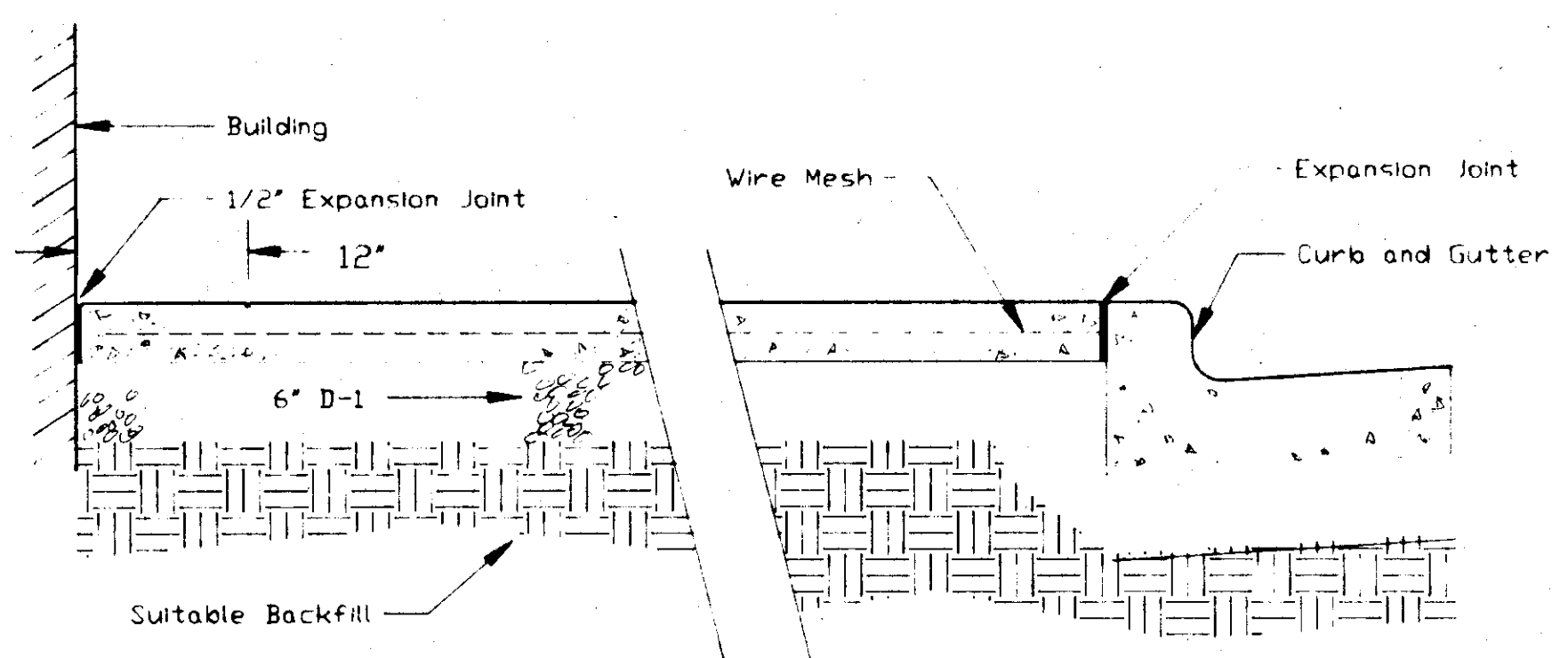
**1 WHEELCHAIR RAMP**  
A-5



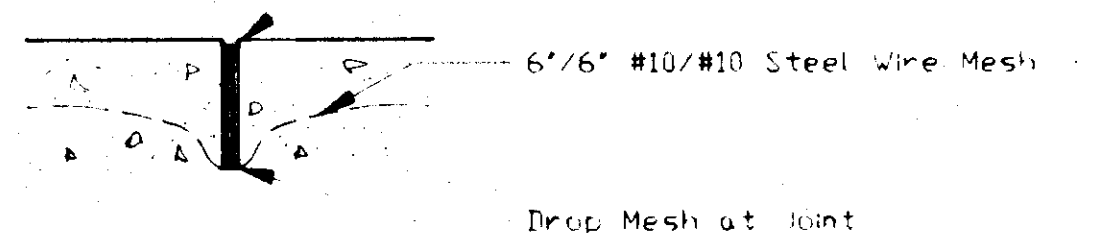
Expansion Joints at Curb Aligned with Sidewalk Expansion Joints and as Required in General Notes.

**2 SIDEWALK PLAN**  
A-6

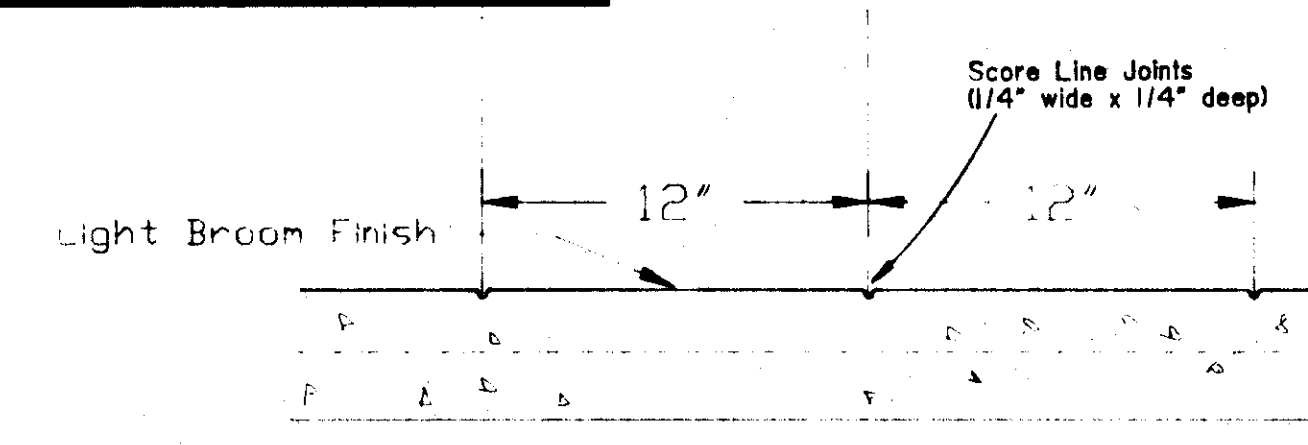
1/2" Expansion Joint at Building Edge where Sidewalk is Slab On Grade  
1' Runner at back of Sidewalk  
Tool Joint Typical



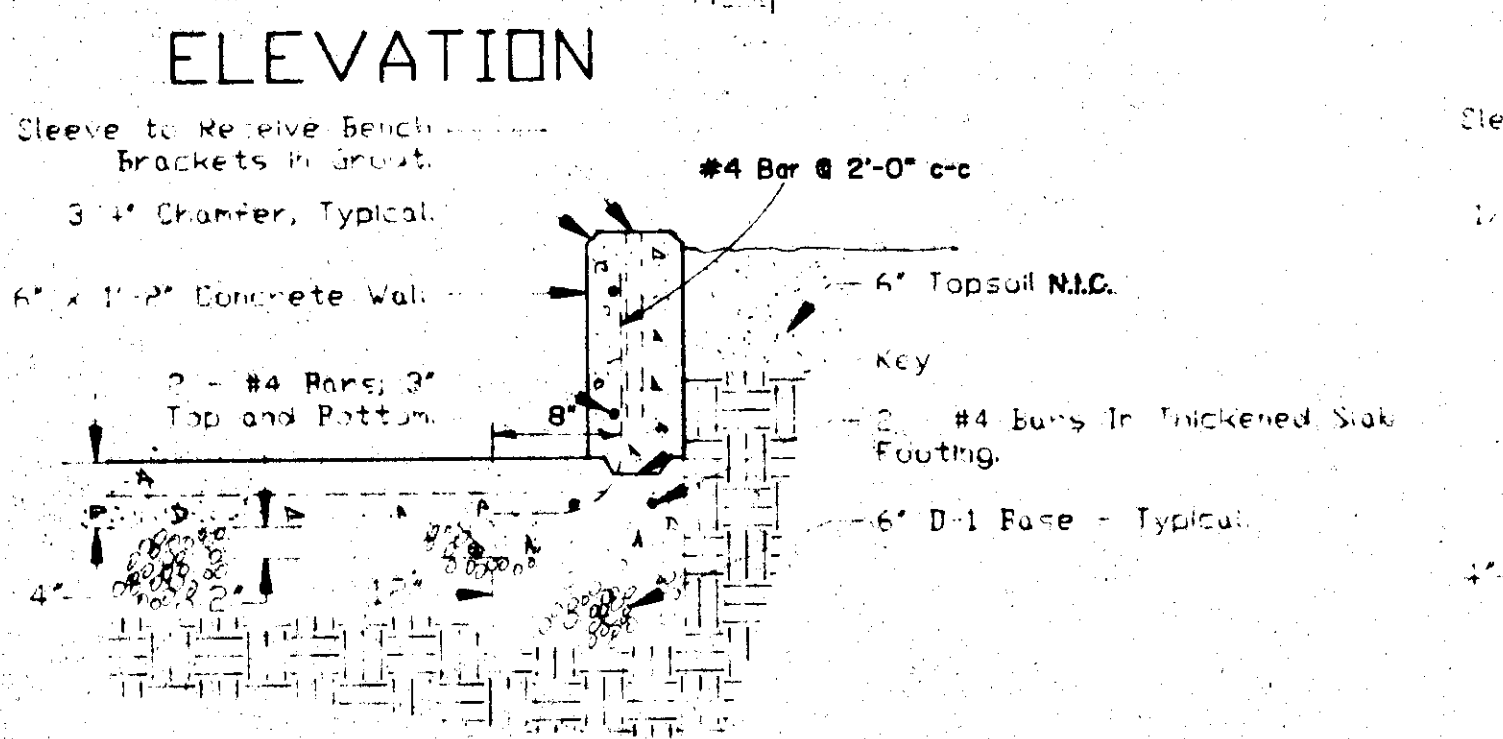
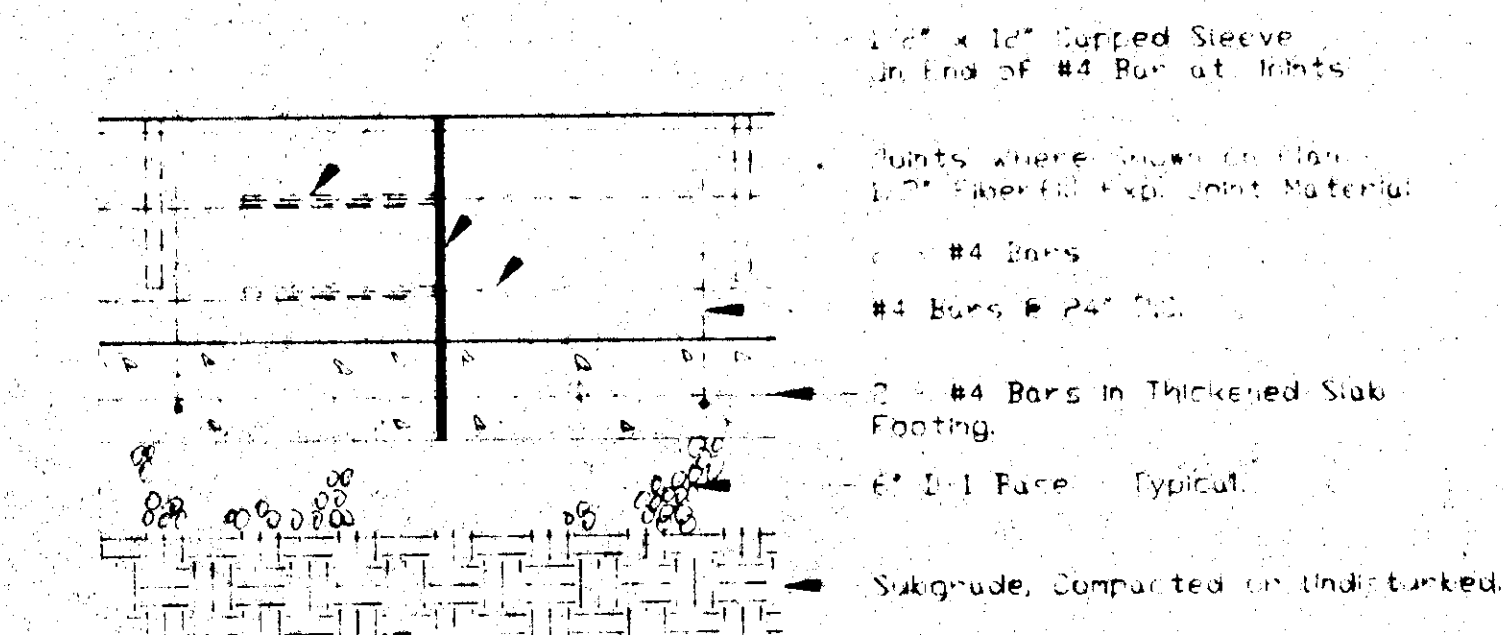
**4 SIDEWALK SECTION**  
A-6



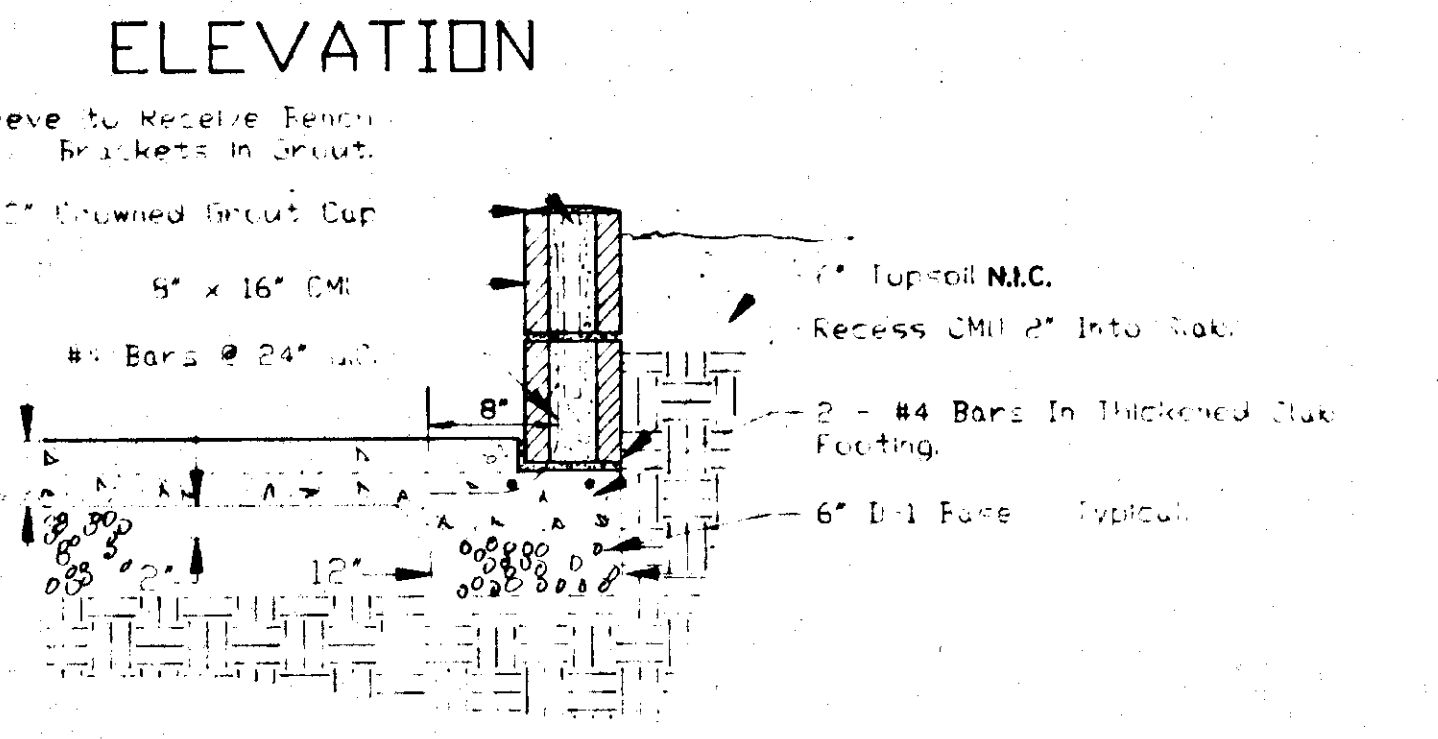
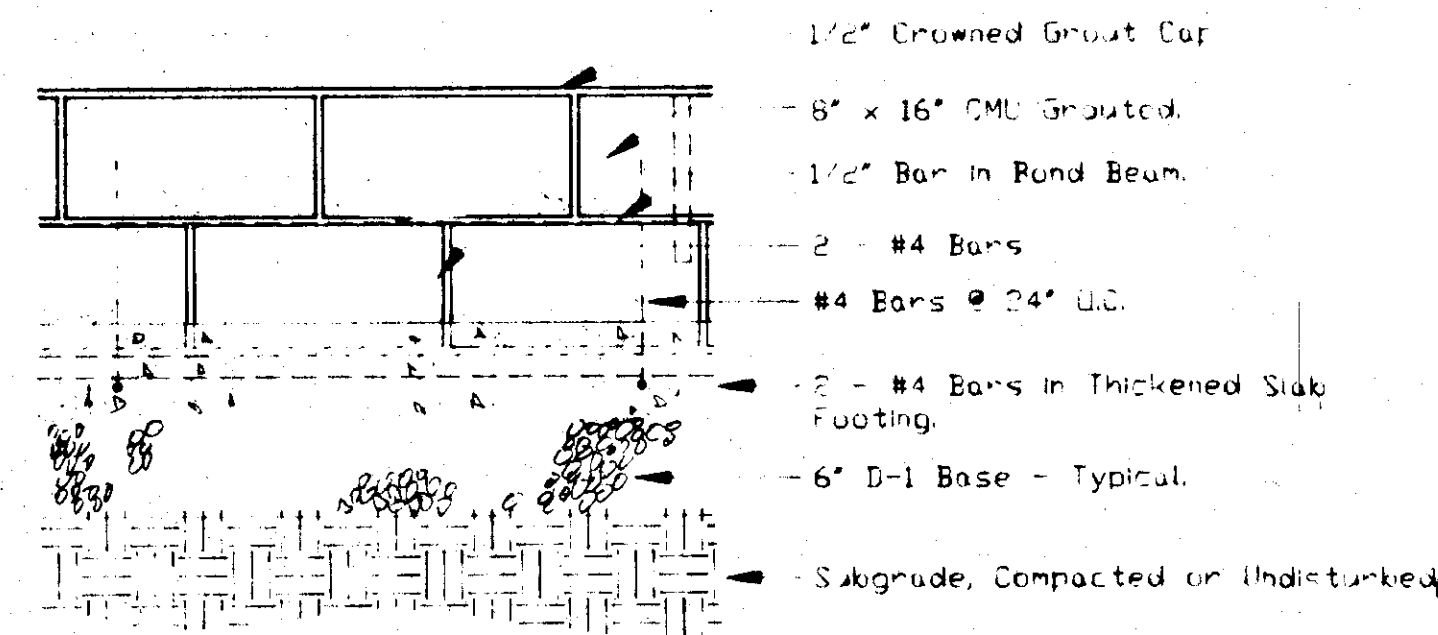
**3 HORIZ. EXPANSION JOINT**  
A-6



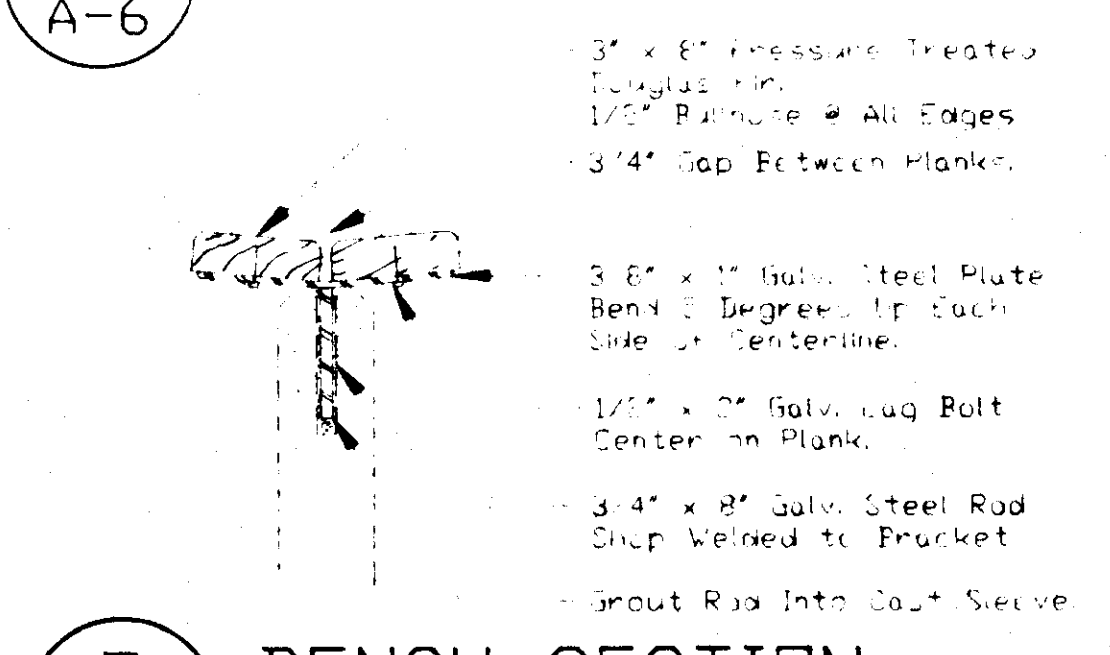
**5 SCORING DETAIL**  
A-6



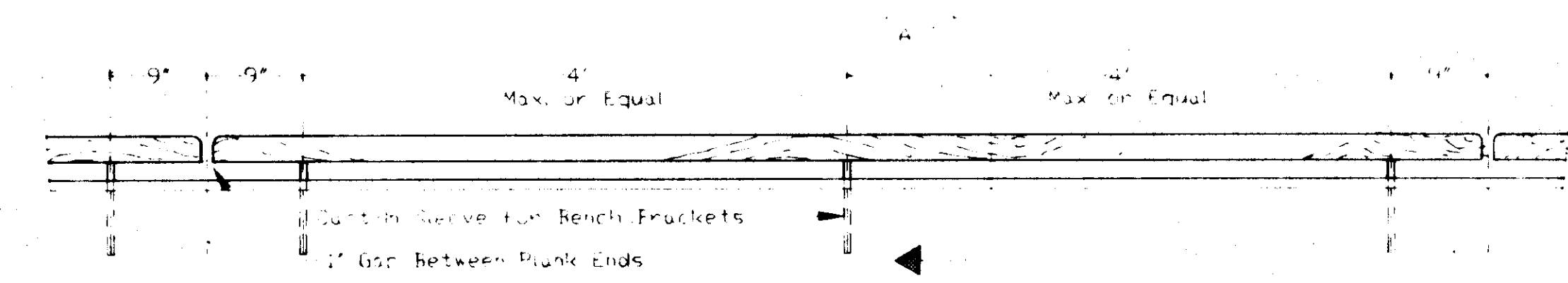
**6 PLANTER WALL (CONCRETE)**  
A-5



**6 PLANTER WALL (CMU)**  
A-5



**7 BENCH SECTION**  
A-6

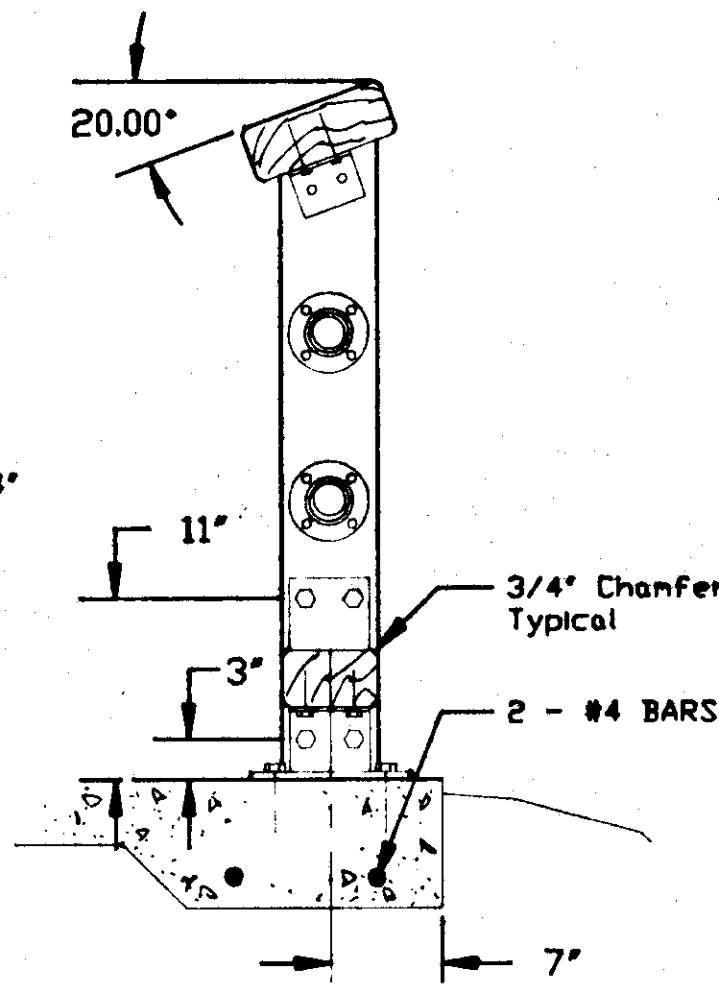
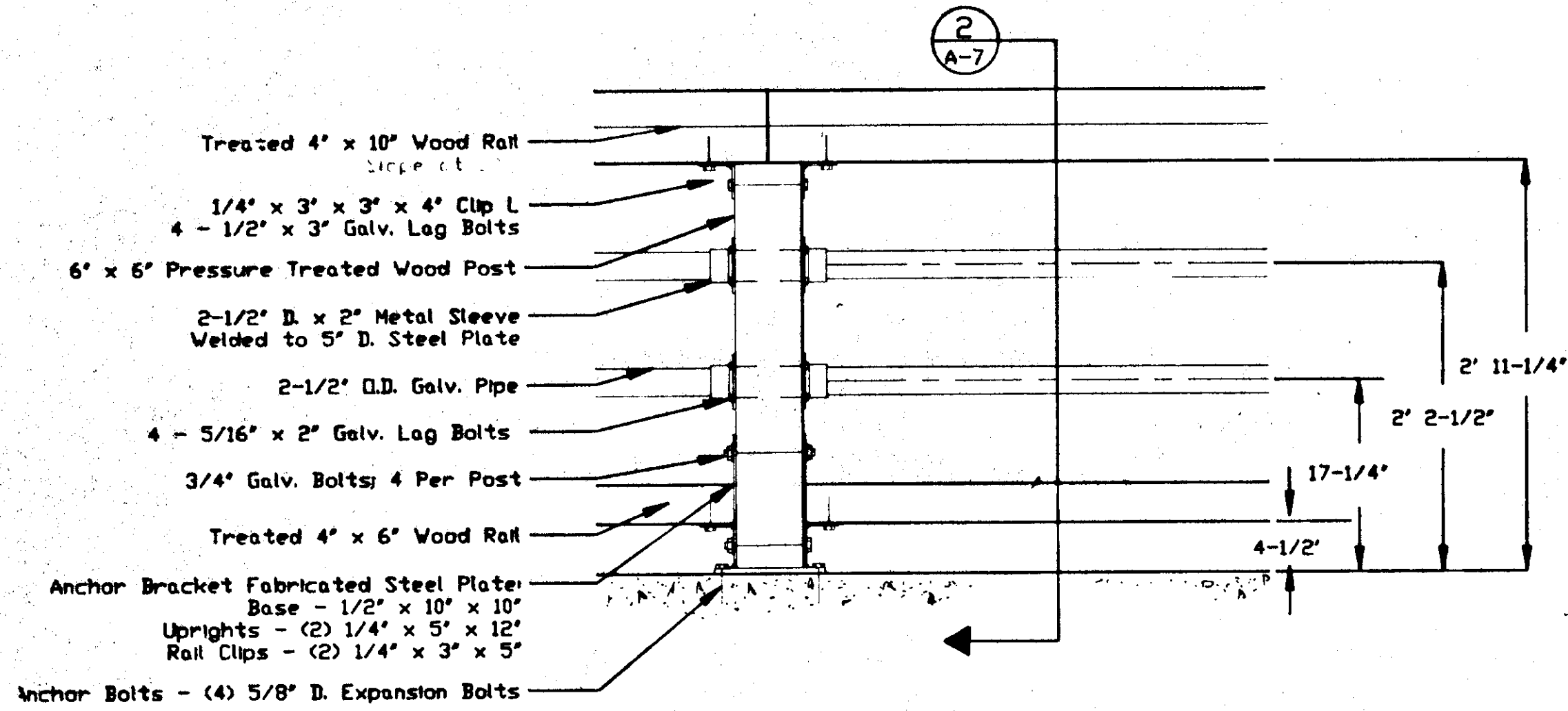
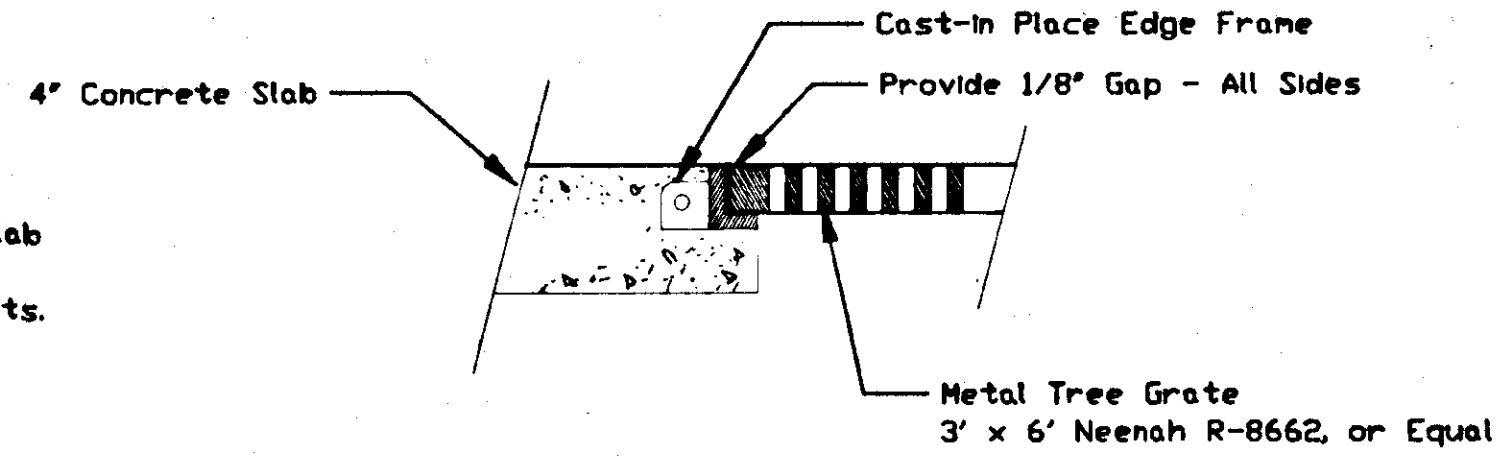


**8 ELEVATION AT BENCH**  
A-6

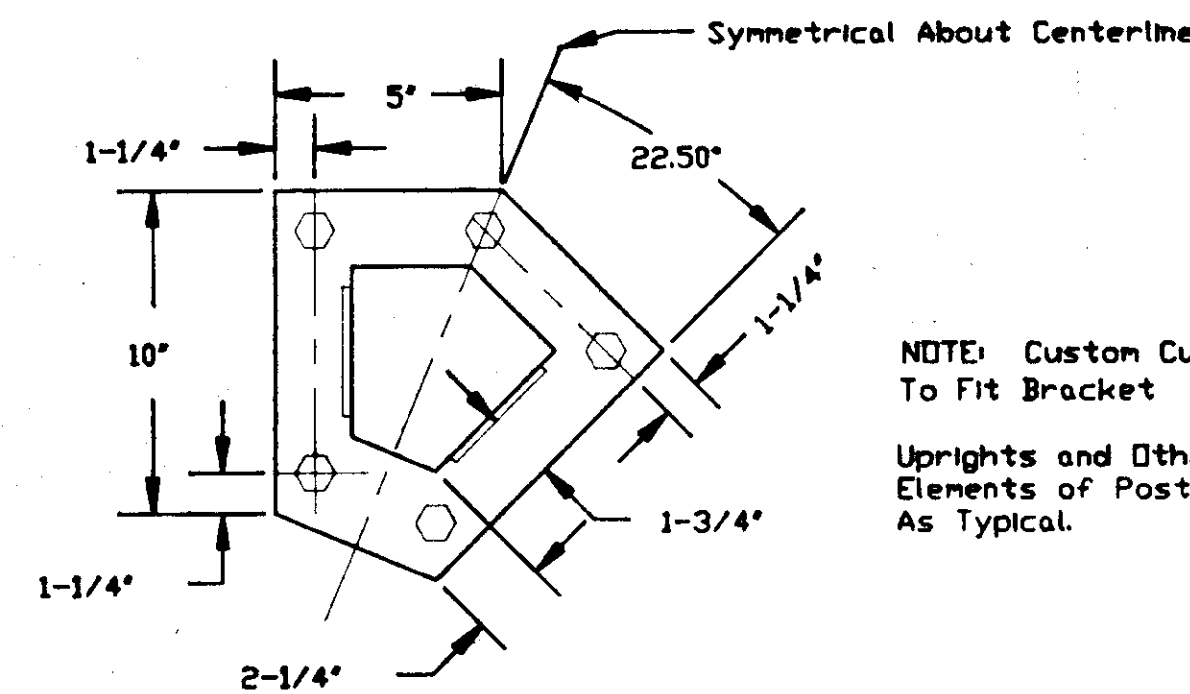
*12/19/87*

**GENERAL NOTES - HANDRAIL**  
All Fasteners to be Hot Dip Galvanized  
All Steel Plate Brackets to be Hot Dip Galvanized Following Fabrication  
All Brackets Welded With 3/16" Fillet Welds  
All Wood Pressure Treated All Borings and Sawcuts Field Treated

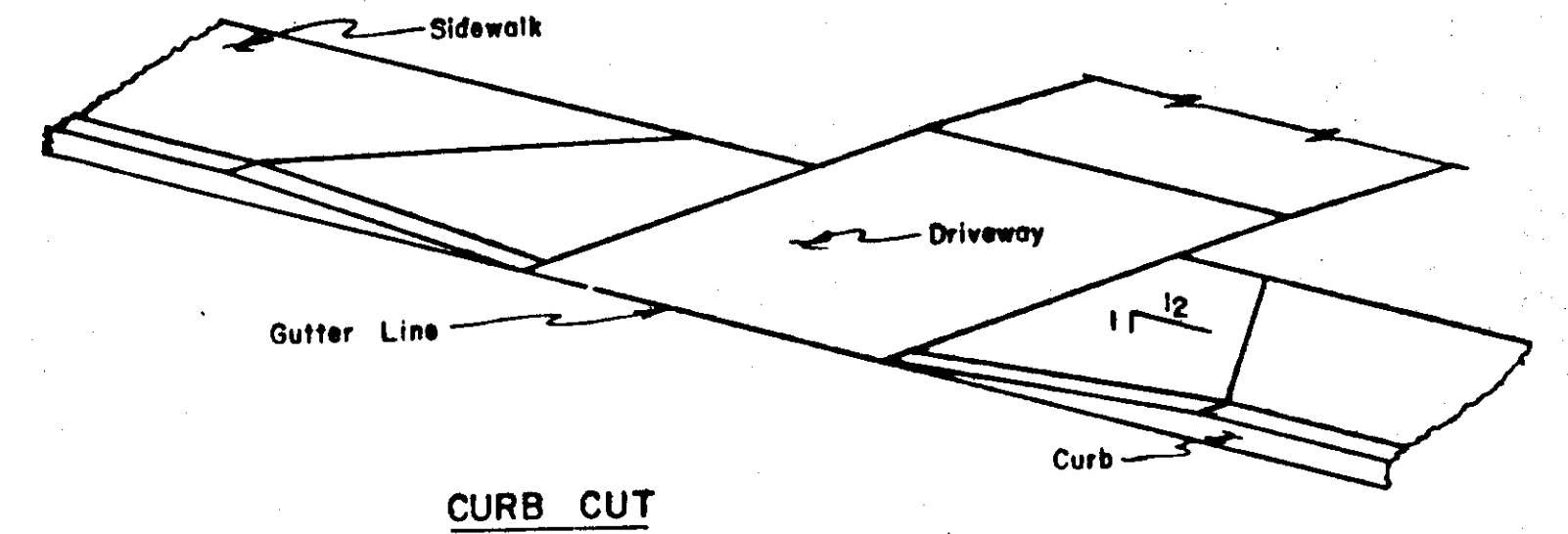
**SPECIAL NOTE:** At One Post Location As Noted on Sheet A-5, Post Bracket Shall Be Installed With 2-1/2" O.D. x 16" Pipe Welded To Bottom of Post Bracket and Inserted Into 2-3/4" I.D. Pipe Embedded Into Concrete Slab  
Top Rail Shall Be Thru-Bolted with Carriage Bolts. All To Facilitate Annual Removal of Post For Snow Removal Operations.



**4 TREEGRATE SECTION**  
A-5



NOTE: Custom Cut Post To Fit Bracket  
Uprights and Other Elements of Post Same As Typical.



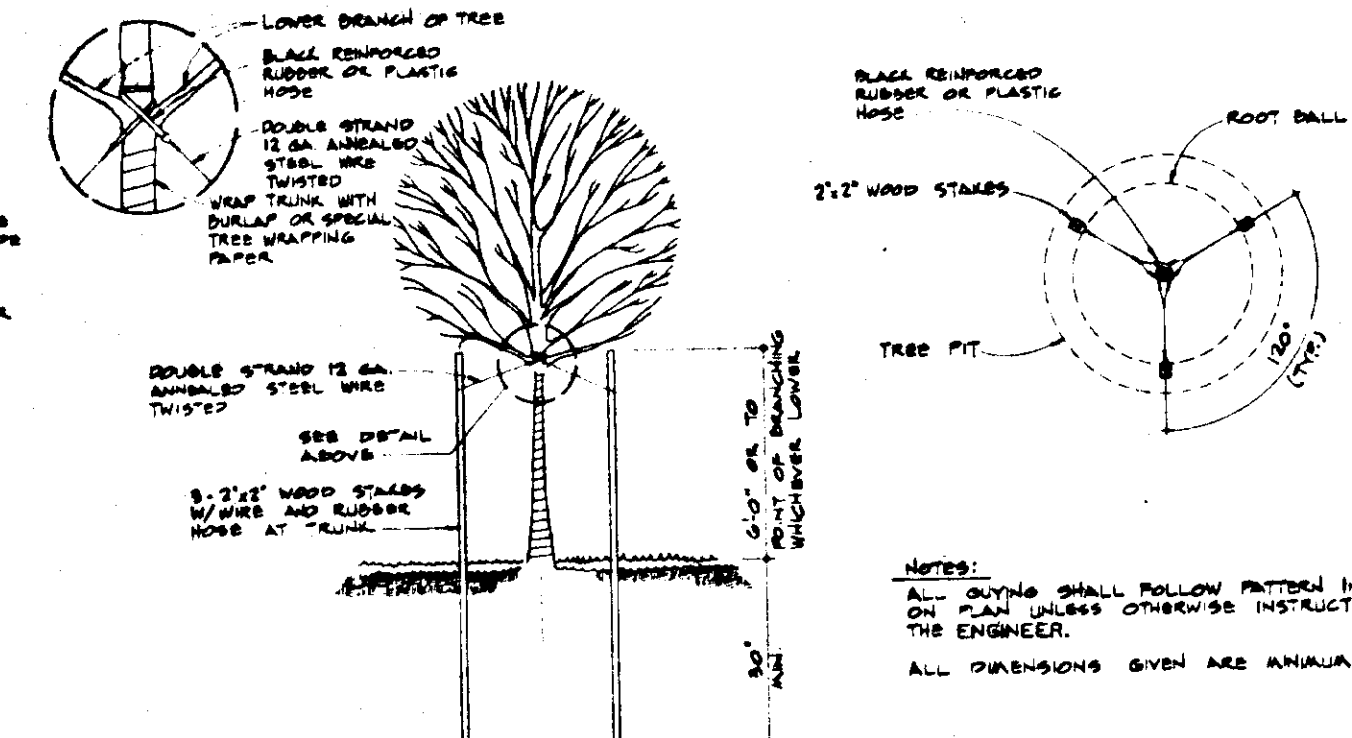
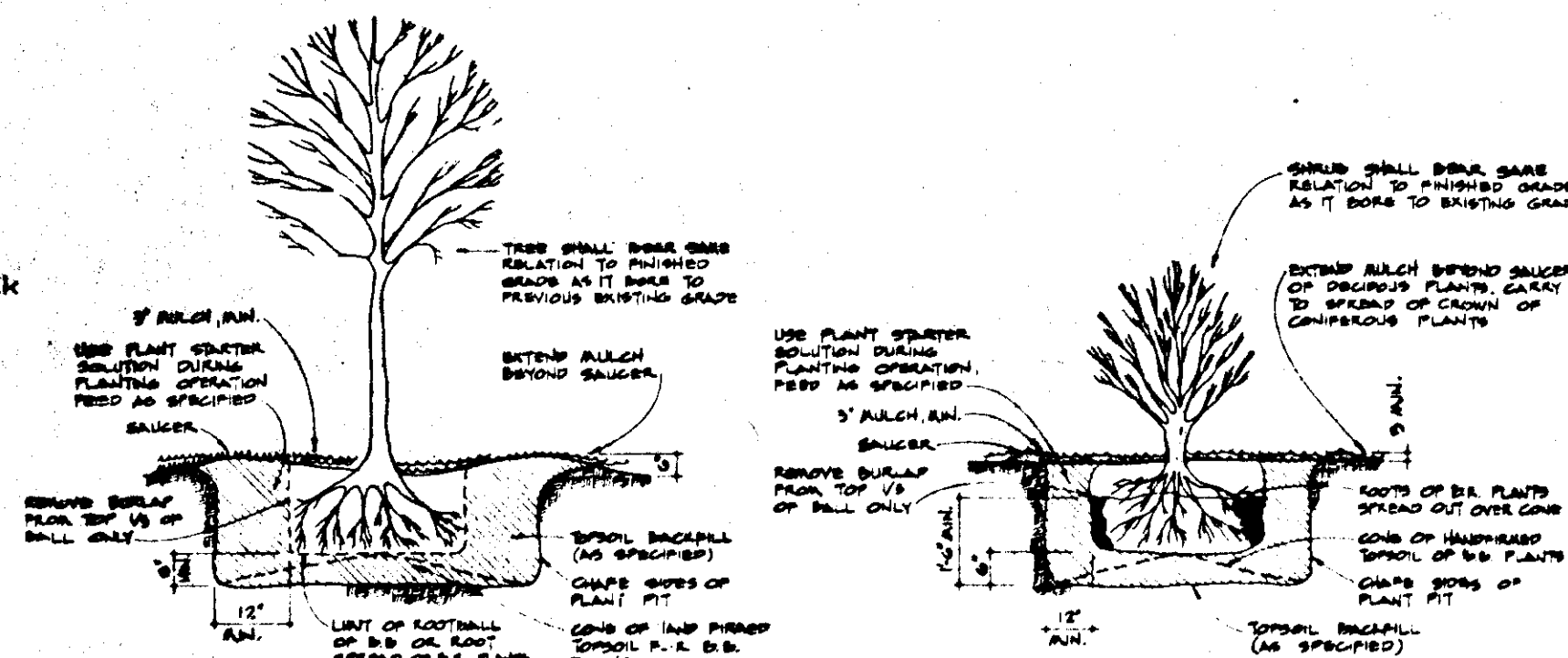
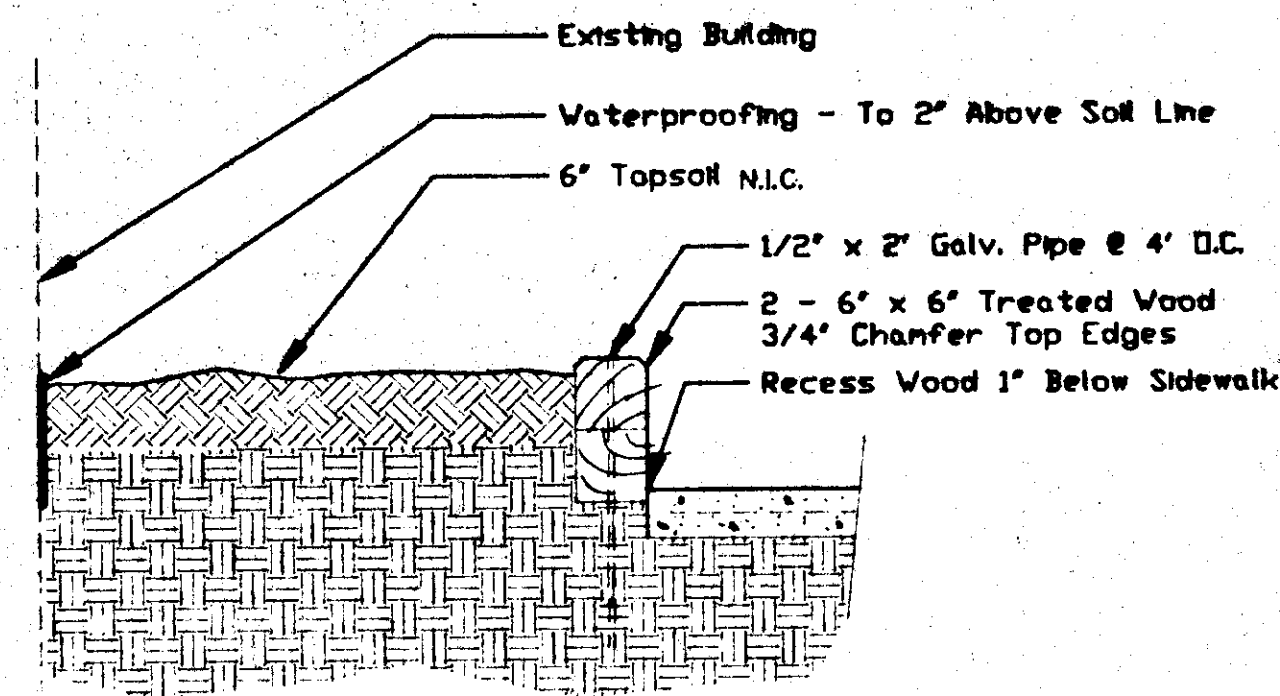
NOTE: See Table/Sheet A-1 For Locations and Sizes

**1 HANDRAIL ELEVATION**

**2 HANDRAIL SECTION**

**3 SPECIAL HANDRAIL POST**  
A-5

**5 DRIVEWAY DETAIL**



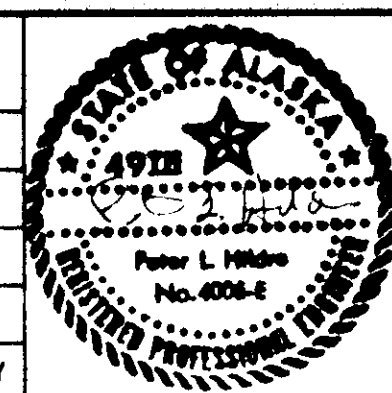
**6 WOOD PLANTER WALL**  
A-3

**7 TREE/SHRUB PLANTING (N.I.C.)**

**8 TREE GUYING (N.I.C.)**

*12/18/87*

STATUS	DATE PRINTED
DATE	REVISIONS



**NORDATA SERVICES**  
**LANDSCAPES BY DESIGN**  
**LANDSCAPE ARCHITECTS**

DRAWN BY: J.O.    DESIGNED BY: J.O.    CHECKED BY: CBJ DOT/PP

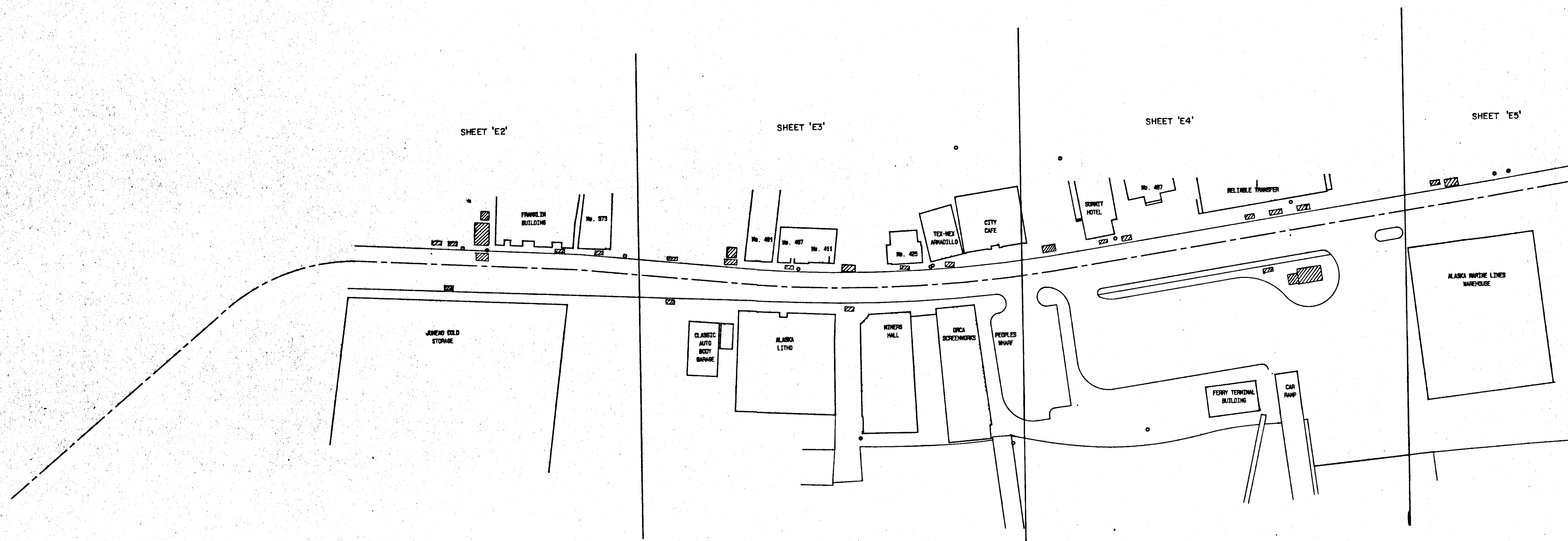
**CITY & BOROUGH OF JUNEAU**  
**ALASKA DOT/PP**  
**SOUTH FRANKLIN STREET**  
**PHASE III**

**LANDSCAPE, SITE FINISH AND**  
**PLANTING DETAILS**

DATE: OCTOBER 1988    JOB NO.: E 87-007    SCALE: NO SCALE

DRAWING NO.  
**A-7**

SHEET NO.  
**27 of 45**



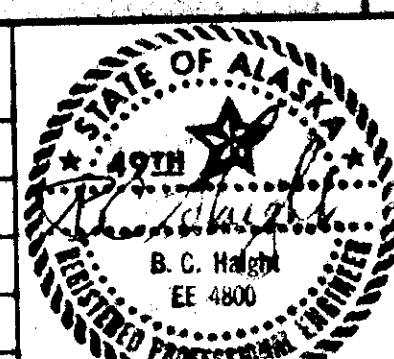
**LEGEND**

- STREET LIGHTING LUMINAIRE (TYPE AND CIRCUIT NO. NOTED)
- ⊙ JUNCTION BOX
- ⊞ ELECTRICAL SERVICE ENTRANCE
- ⊞ TELEPHONE SERVICE ENTRANCE
- ⊞ TELEVISION SERVICE ENTRANCE
- HW HANDHOLE: P-POWER, T-TELEPHONE, V-TELEVISION
- HW HANDHOLE: P-POWER, T-TELEPHONE, V-TELEVISION
- ▬ EXISTING CONCRETE ENCASED DUCT BANK
- ▬ NEW CONCRETE ENCASED DUCT BANK
- ▬ DIRECT BURIED CONDUIT
- ⊙ DETAIL NO. 4, PLAN SHEET E-14
- ⊙ RACEWAY DESIGNATION; SEE RACEWAY SCHEDULE, SHT. E-18



*BB* 1/4/88

STATUS	DATE PRINTED



**B.C. HAIGHT** Consulting Engineers  
430 Fourth Street, Juneau, Alaska 99801 (907) 584-9788

DRAWN BY:      DESIGNED BY:      CHECKED BY:

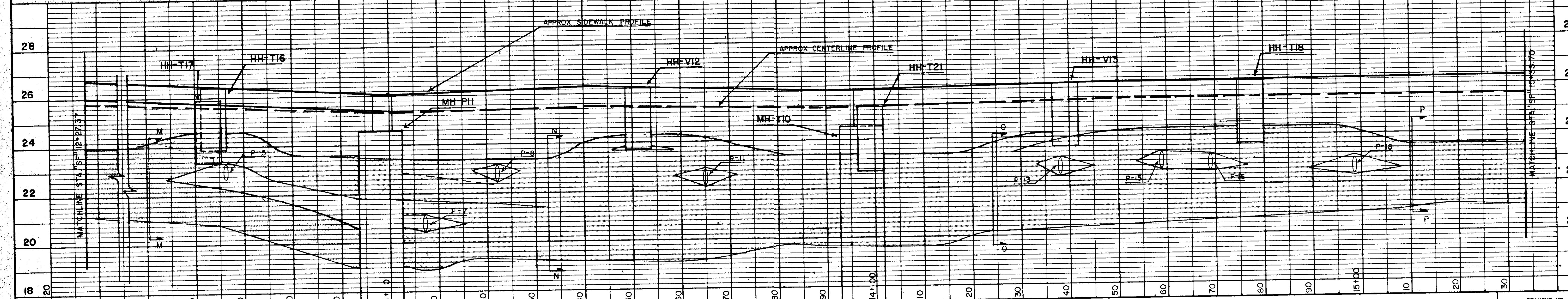
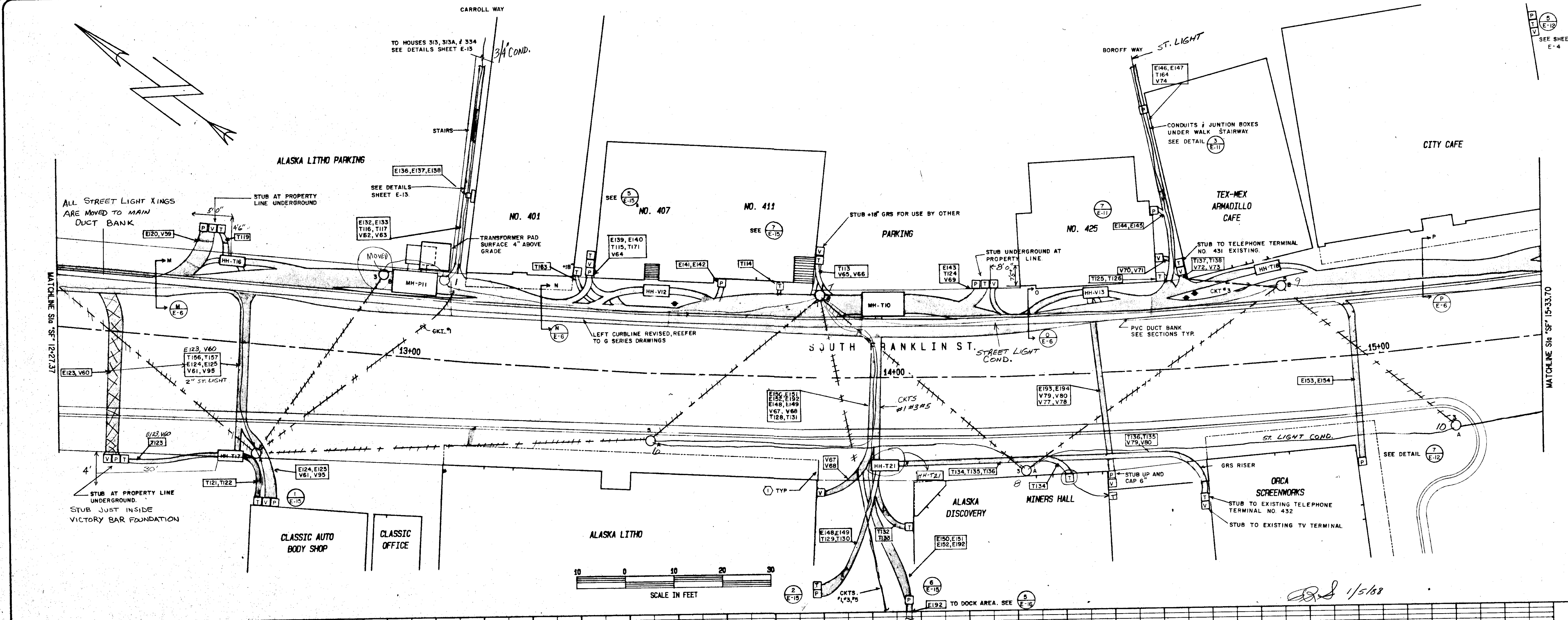
CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

**SITE PLAN & LEGEND**

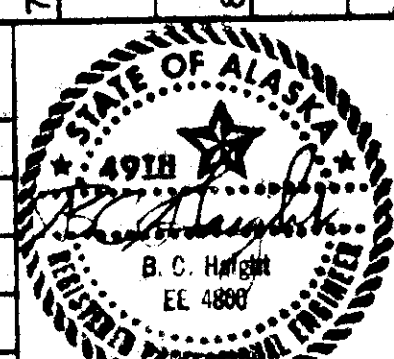
DATE: OCTOBER 1986      JOB NO.: E 87-007      SCALE: 1" = 40' HORIZONTAL

DRAWING NO.  
**E-1**  
SHEET NO.  
**28 of 4**





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**B.C. HAIGHT** — Consulting Engineers  
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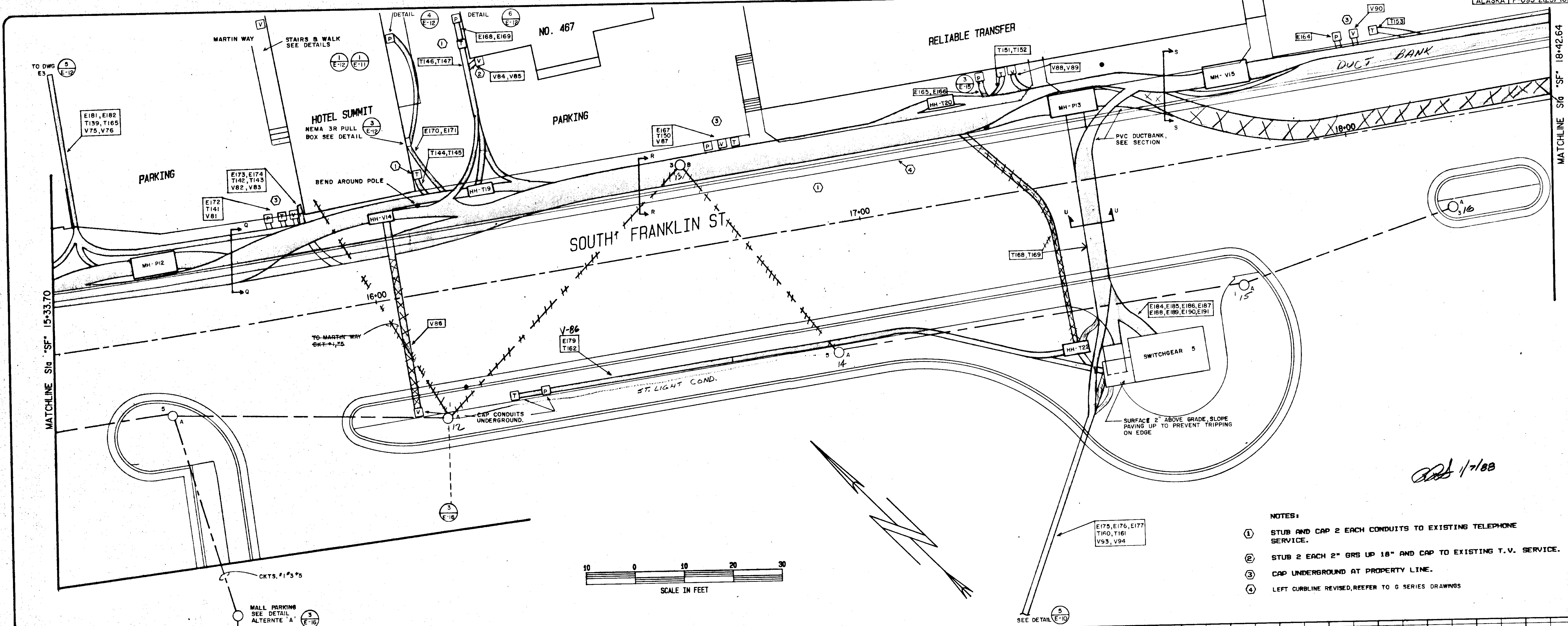
CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

**STREET PLAN & PROFILE NO. 2**

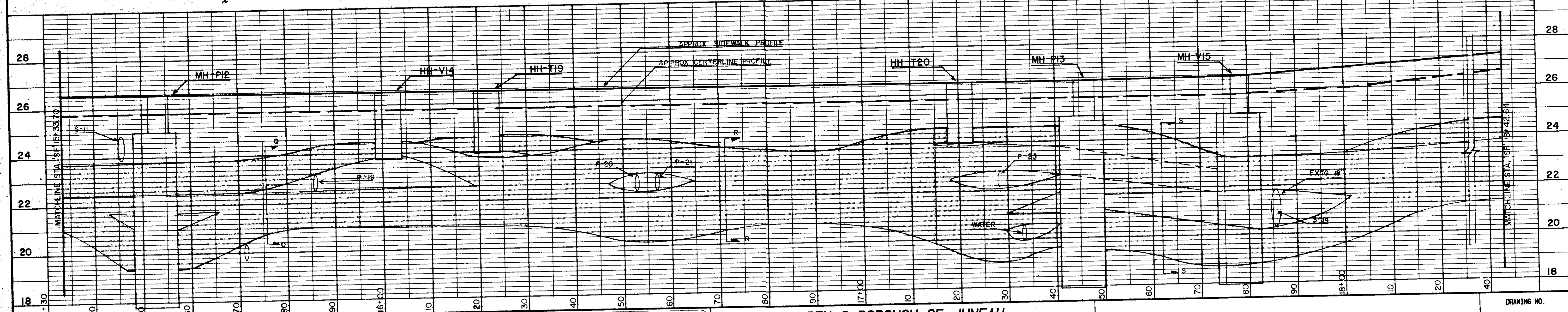
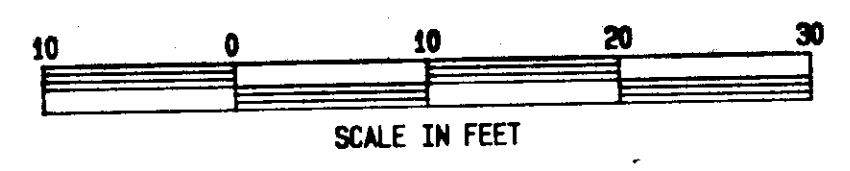
DATE: OCTOBER 1986      JOB NO.: E 87-007      SCALE: 1"=10' HORIZONTAL

DRAWING NO.  
**E-3**

SHEET NO.  
**30 of 45**



- NOTES:
- ① STUB AND CAP 2 EACH CONDUITS TO EXISTING TELEPHONE SERVICE.
  - ② STUB 2 EACH 2" BR5 UP 18" AND CAP TO EXISTING T.V. SERVICE.
  - ③ CAP UNDERGROUND AT PROPERTY LINE.
  - ④ LEFT CURBLINE REVISED, REFER TO G SERIES DRAWINGS



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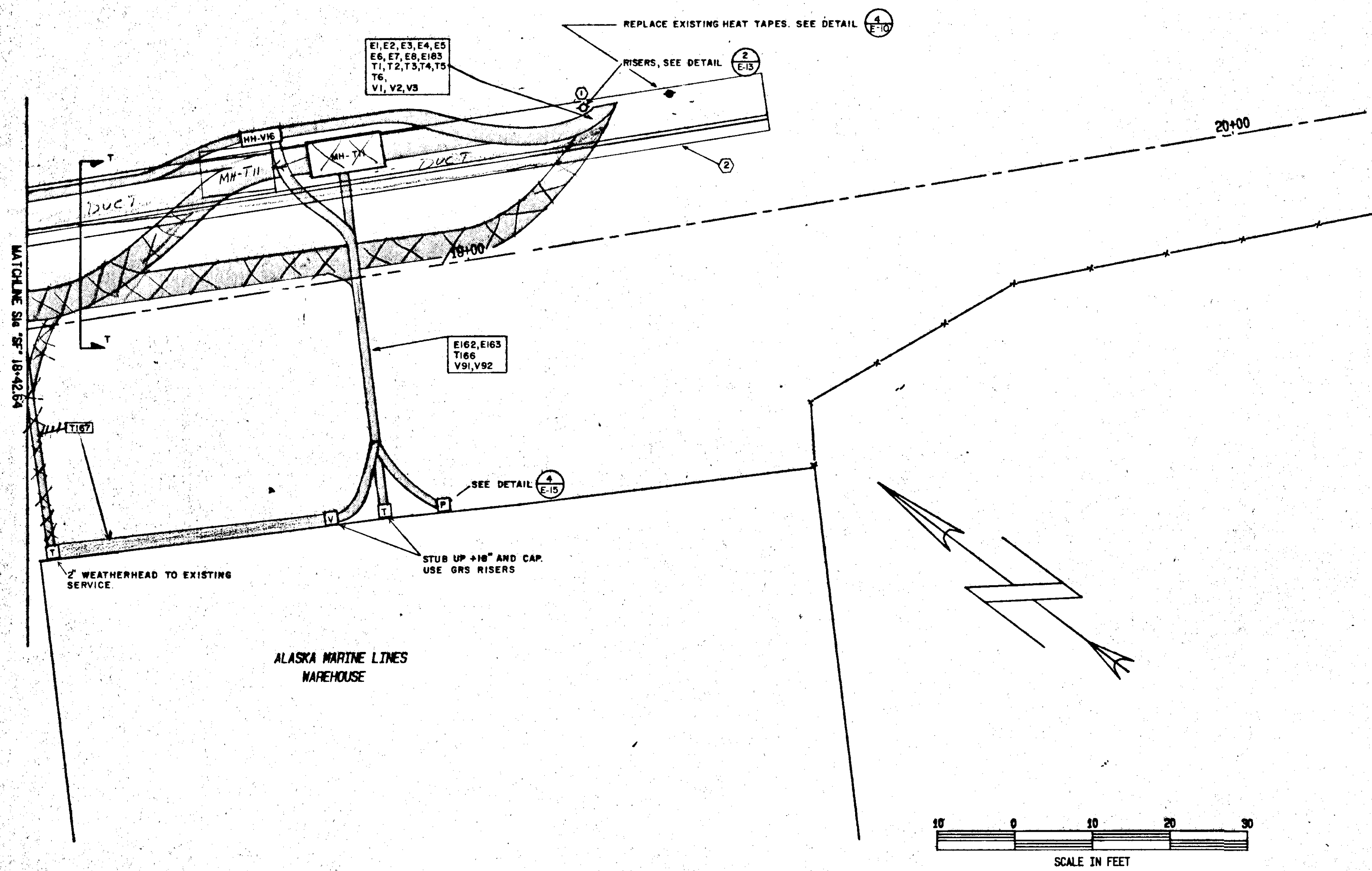
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**CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III**

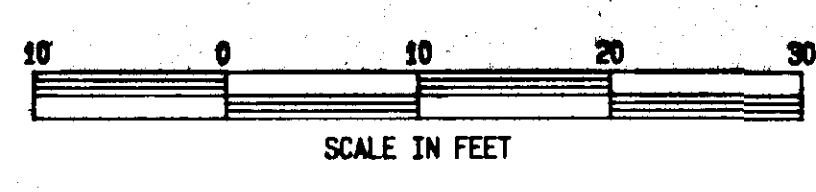
**STREET PLAN & PROFILE NO. 3**

DATE: OCTOBER 1986 JOB NO.: E86-208 SCALE: 1"=10' HORIZONTAL

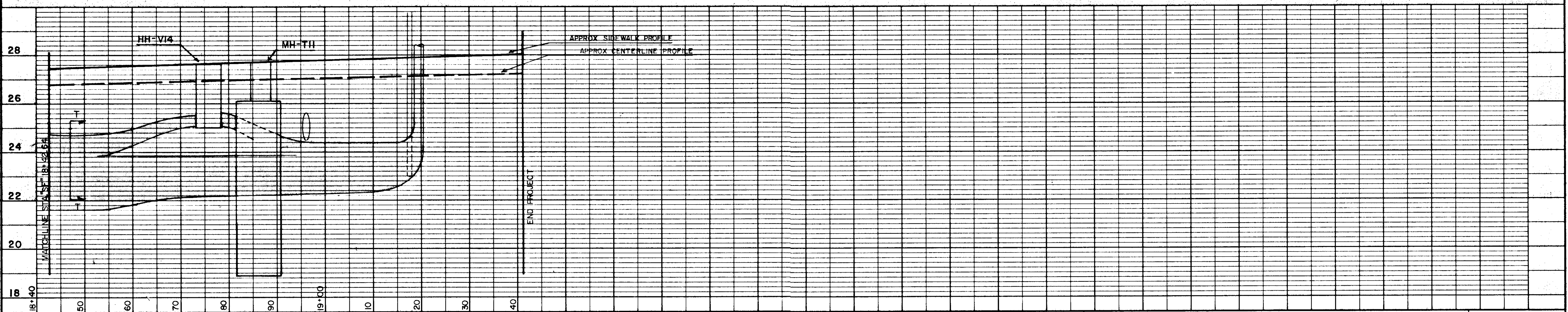
DRAWING NO. **E-4**  
SHEET NO. **31 of 45**



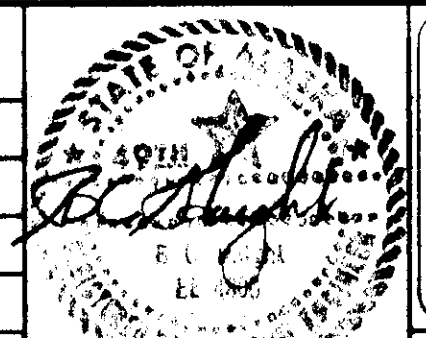
- NOTE**
- 1 CONVERT FRAMING TO REA SPECIFICATION C8-3 (DOUBLE DEADEND ON THE PRIMARY CIRCUIT), WITH A 50,000 LB HOLDING ANCHOR AND 12 M DOWN GUY. PROVIDE DOCUMENTATION OF AEL&P APPROVAL OF MATERIALS AND FRAMING DETAILS PRIOR TO INSTALLATION. THE PRIMARY LINES SHALL REMAIN ENERGIZED AT 7200 VOLTS PHASE-TO-GROUND (12,470 VOLTS PHASE-TO-PHASE) THROUGH CONSTRUCTION UNLESS OTHERWISE PERMITTED BY AEL&P. VERIFY RISER ALIGNMENT W/ AEL&P BEFORE INSTALLATION.
  - 2 LEFT CURBLINE REVISED, REFER TO G SERIES DRAWINGS



*Handwritten signature and date: 1/7/88*



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DATE	DESIGNER



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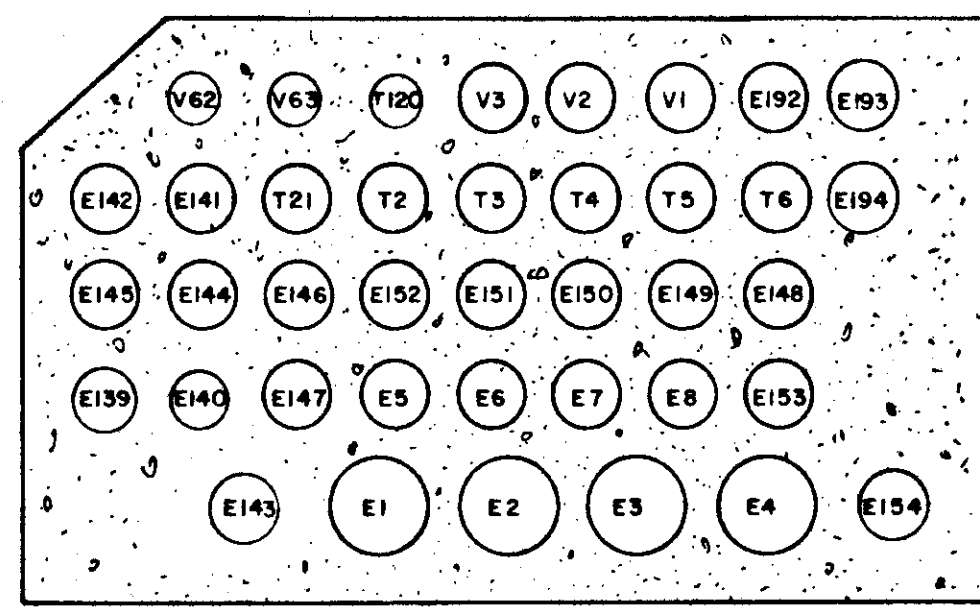
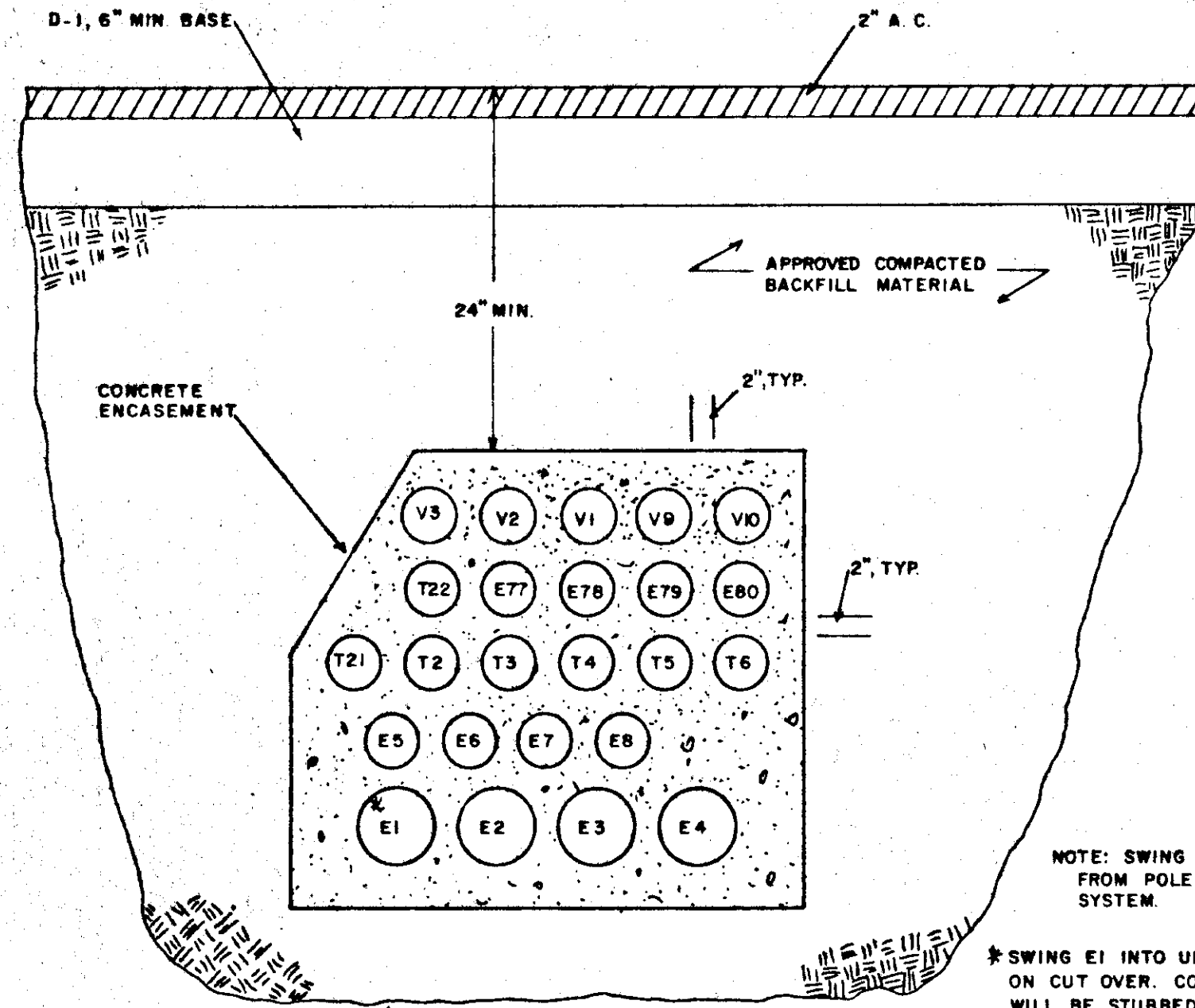
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PHASE III

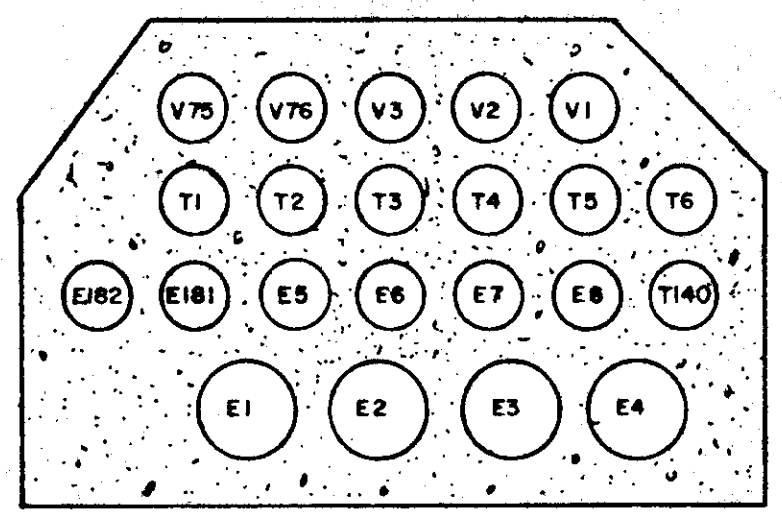
**STREET PLAN & PROFILE NO. 4**

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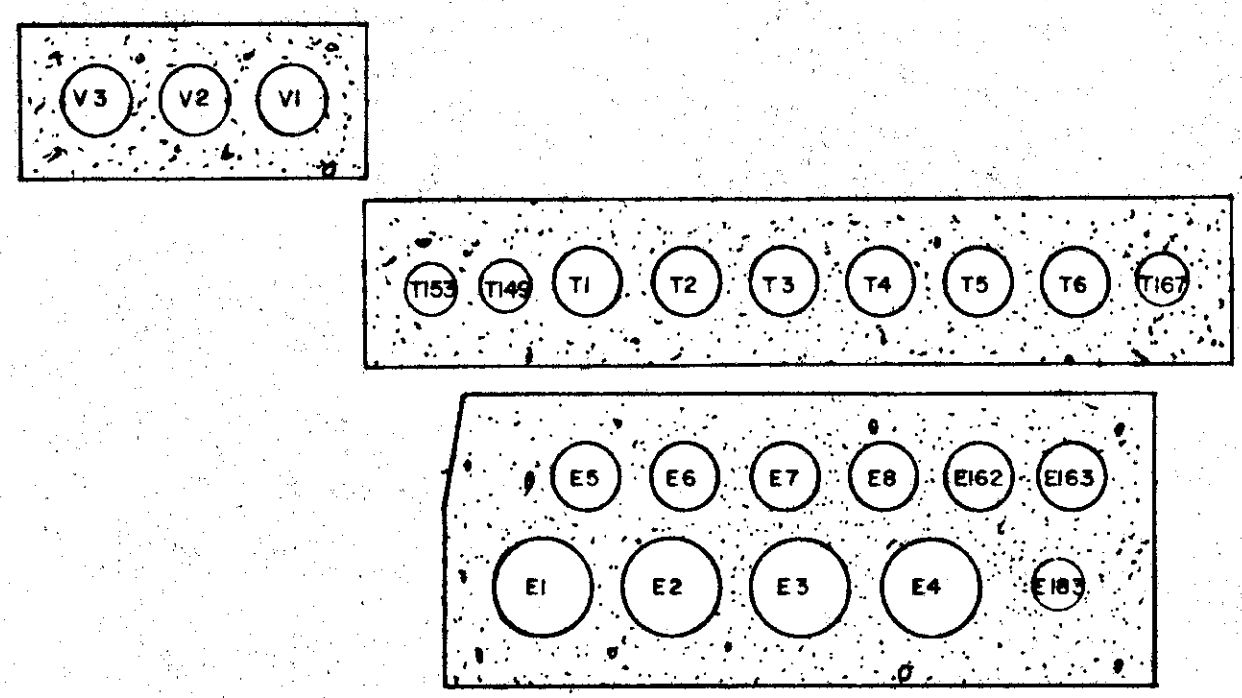
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**E-5**  
SHEET NO.  
**32 of 45**



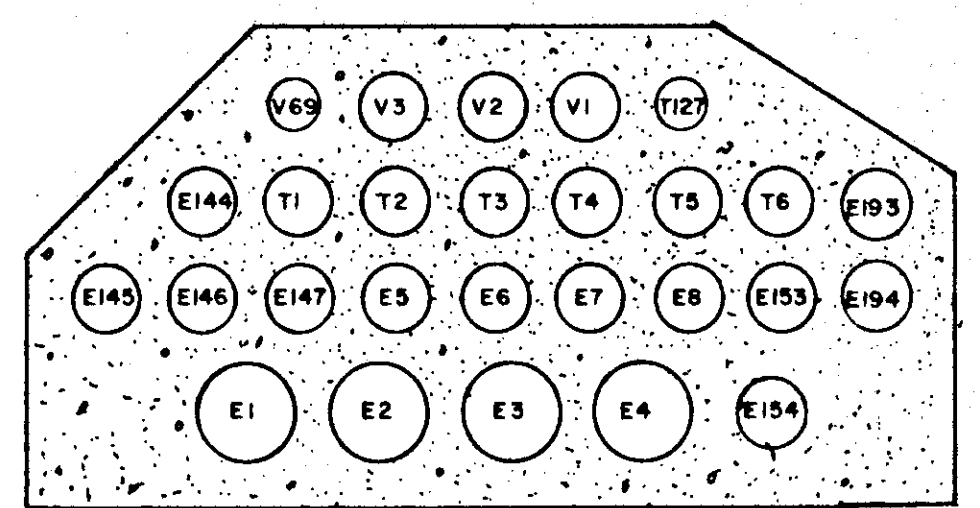
**SECTION N-N**



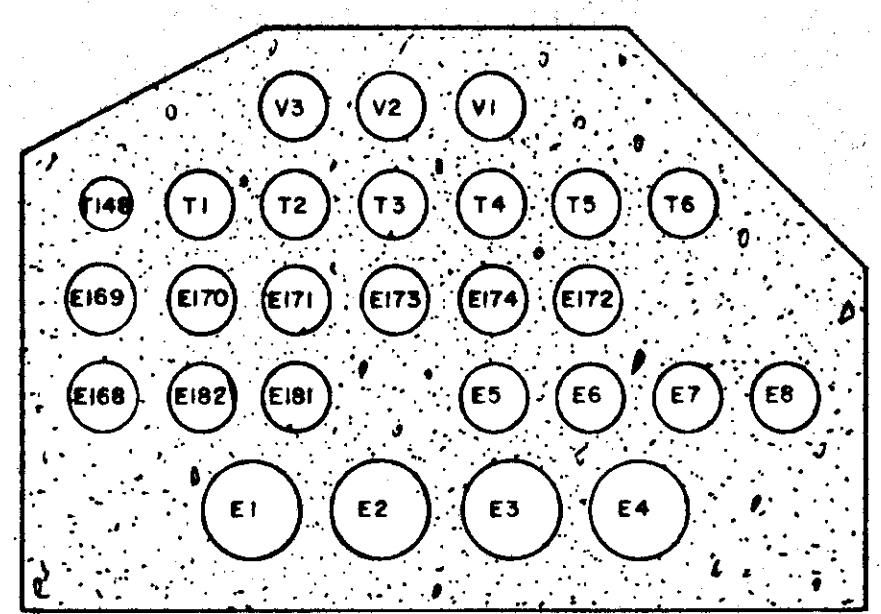
**SECTION Q-Q**



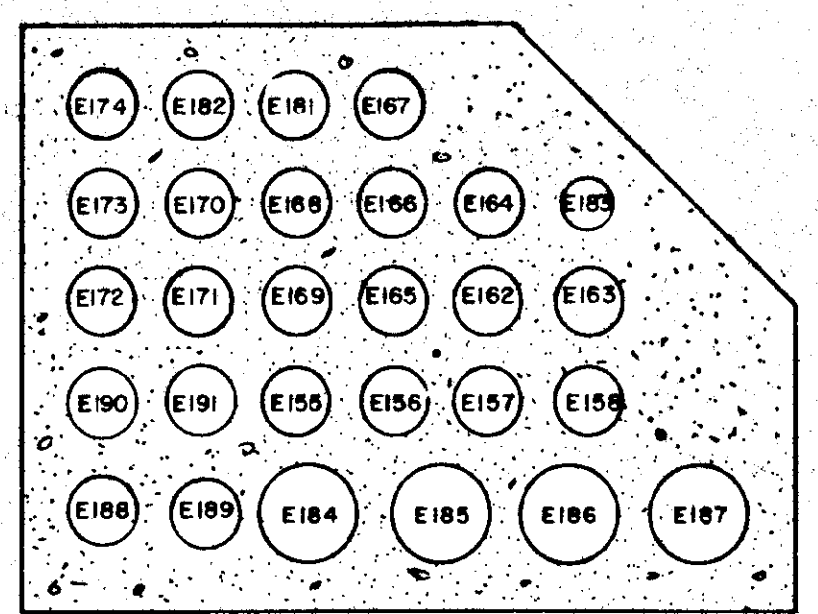
**SECTION T-T**



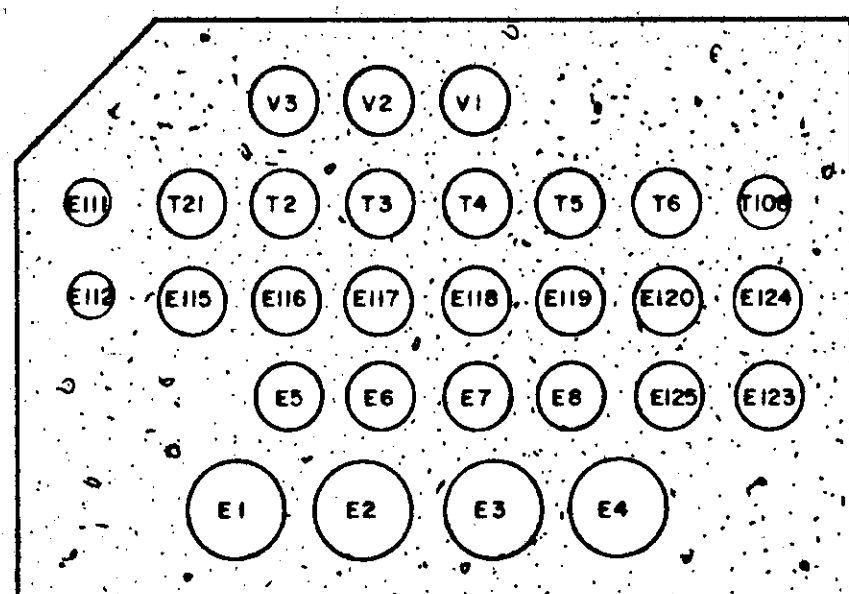
**SECTION O-O**



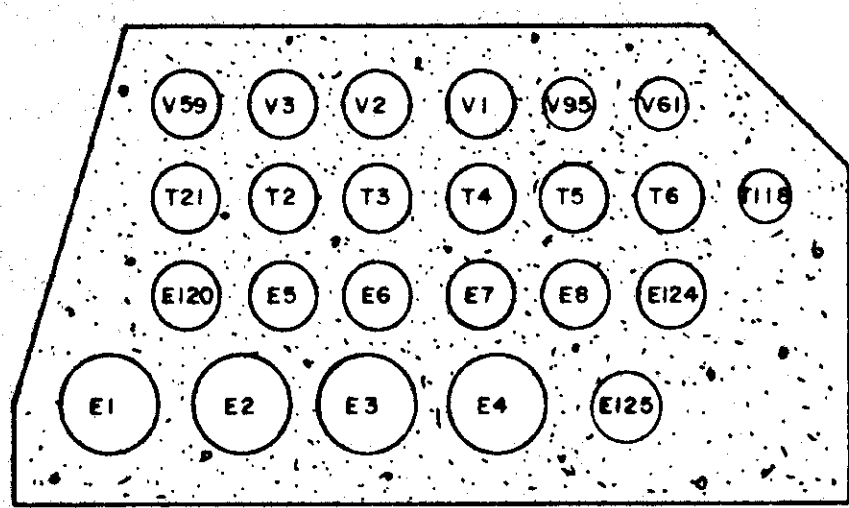
**SECTION R-R**



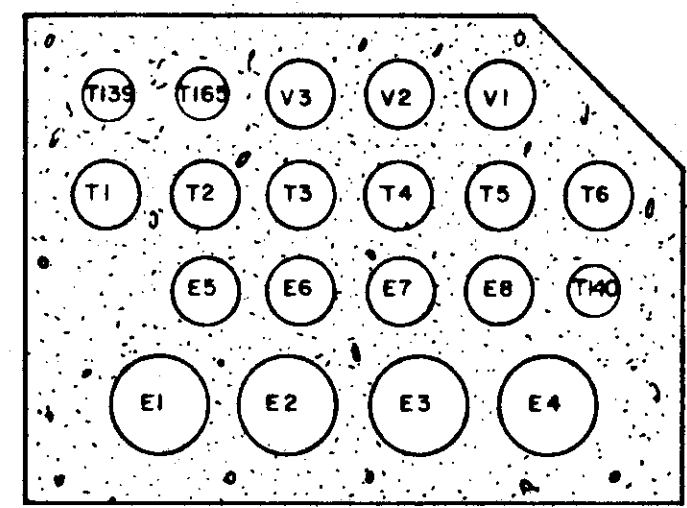
**SECTION U-U**



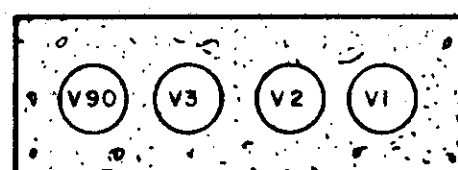
**SECTION L-L**



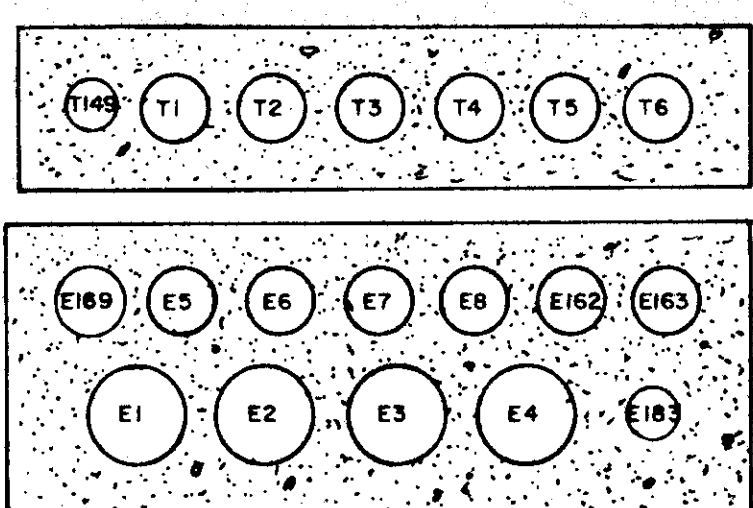
**SECTION M-M**



**SECTION P-P**



**SECTION S-S**

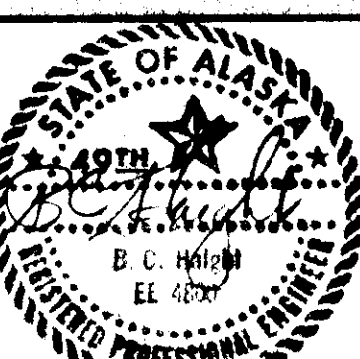


LAYOUTS VARY

NOTE: SWING V3, E78, E79, & E80 FROM POLE TO UNDERGROUND SYSTEM.  
\* SWING E1 INTO UNDERGROUND SYSTEM ON CUT OVER. CONDUITS NOT SHOWN WILL BE STUBBED & CAPPED AT THE EXISTING POLE LOCATION.

**TYPICAL TRENCH DETAIL: SECTION K-K**

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438 Fourth Street, Juneau, Alaska 99801 (907) 586-9788

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ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

**DUCTBANK SECTIONS**

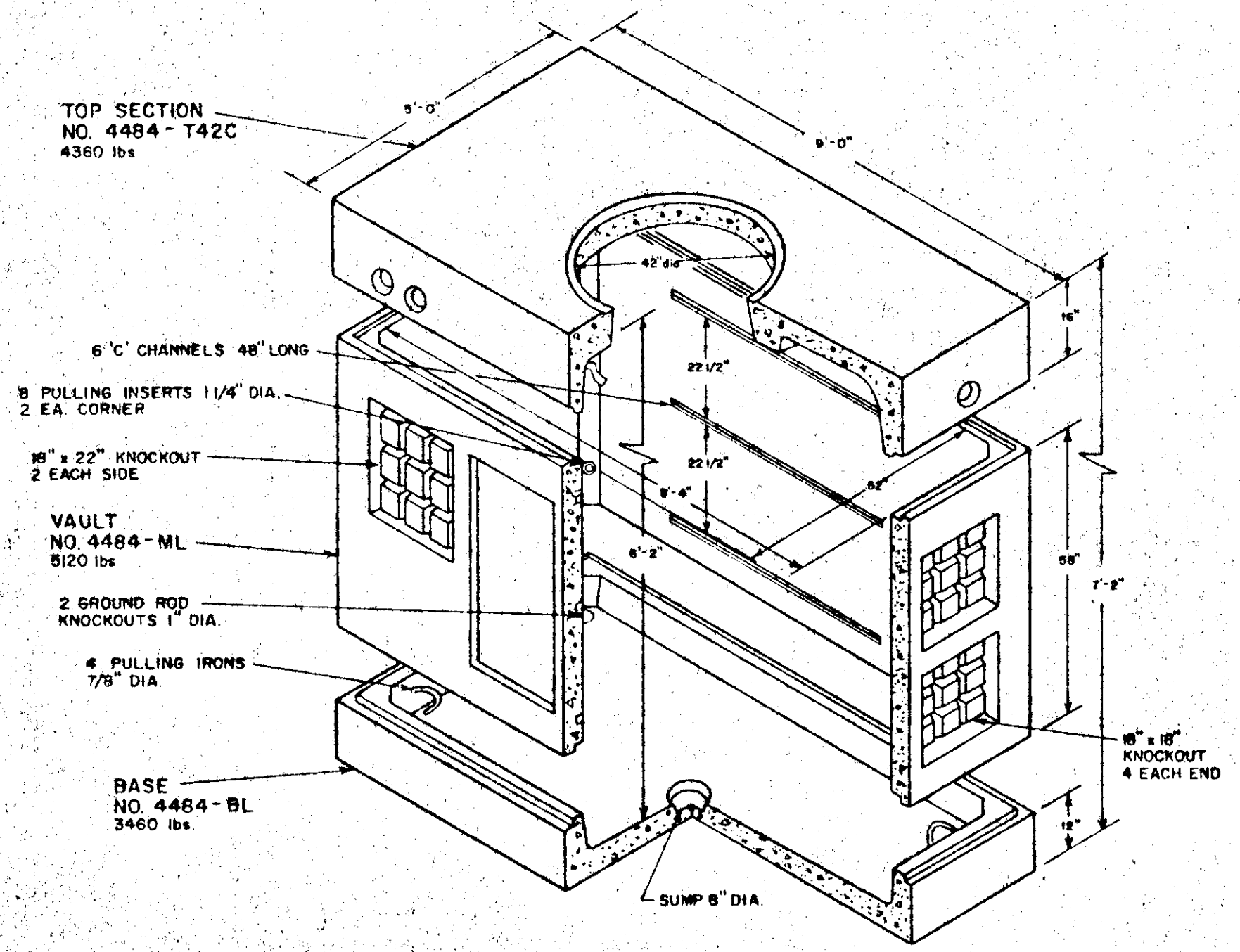
DATE: OCTOBER 1986      JOB NO.: E 87-007      SCALE:

DRAWING NO.  
**E-6**

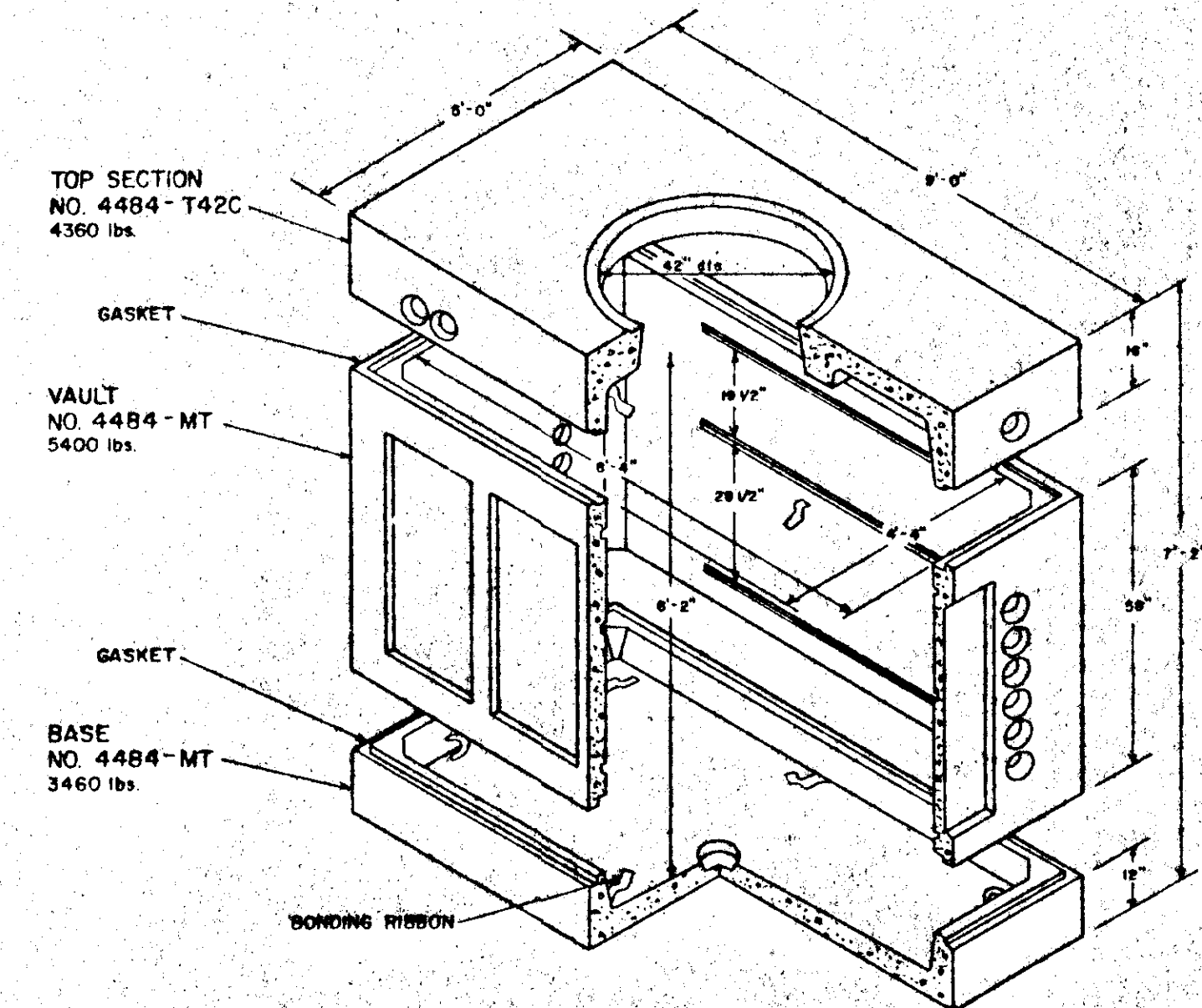
SHEET NO.  
**33 of 45**

SHS 11/7/88

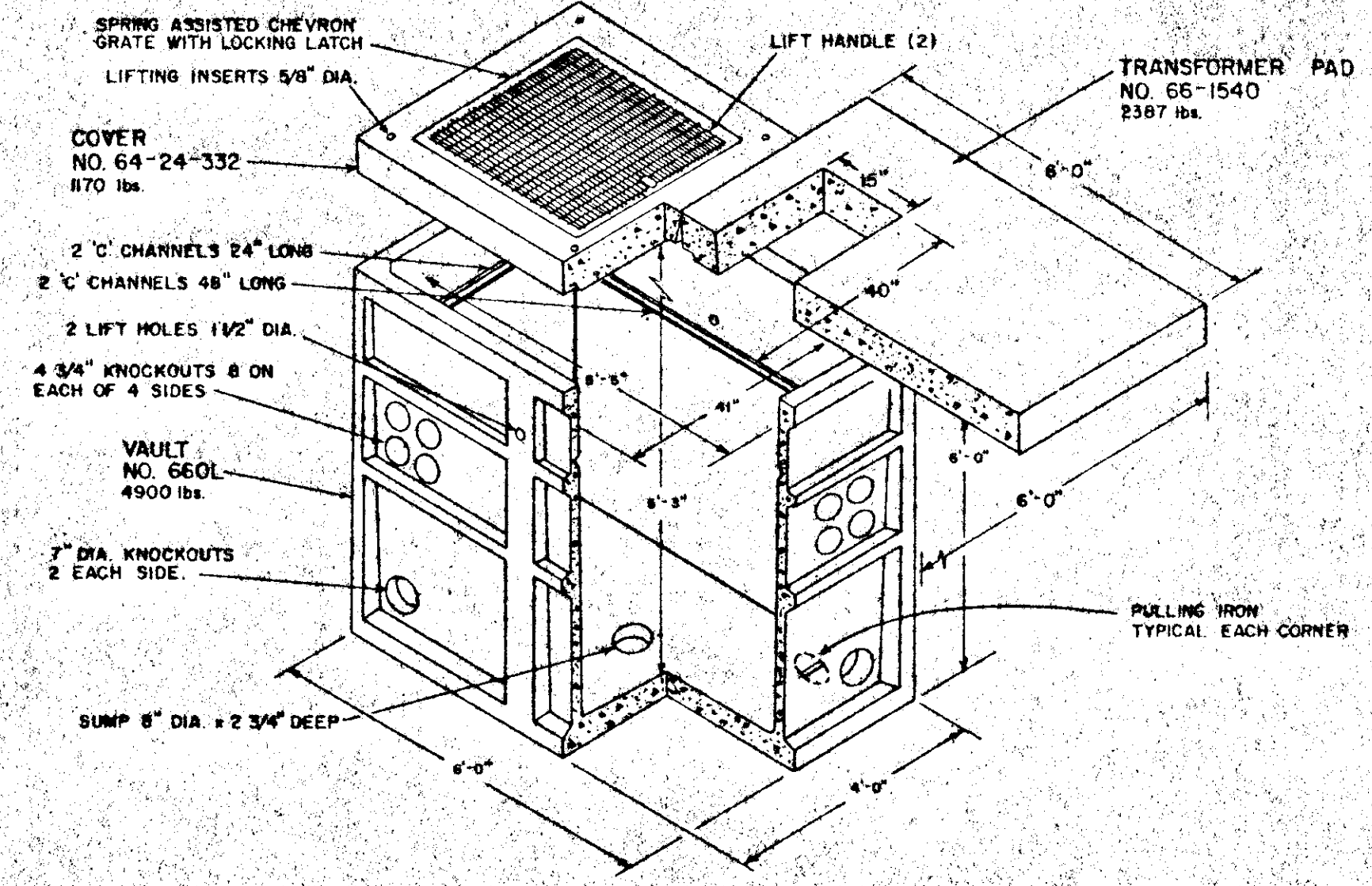




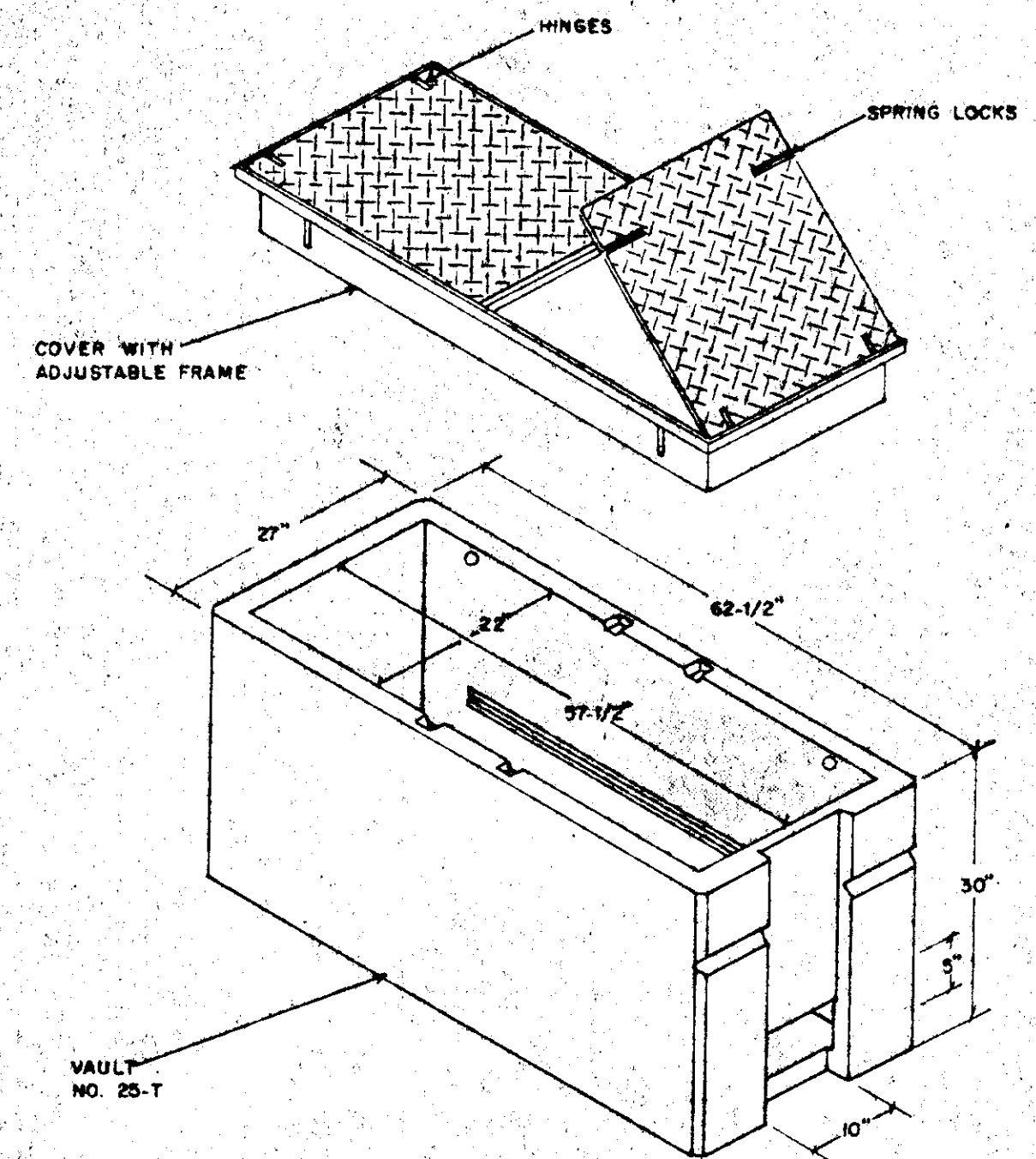
1 **TYPICAL POWER MANHOLE**  
E-8 Utility Vault No. 4484-LA



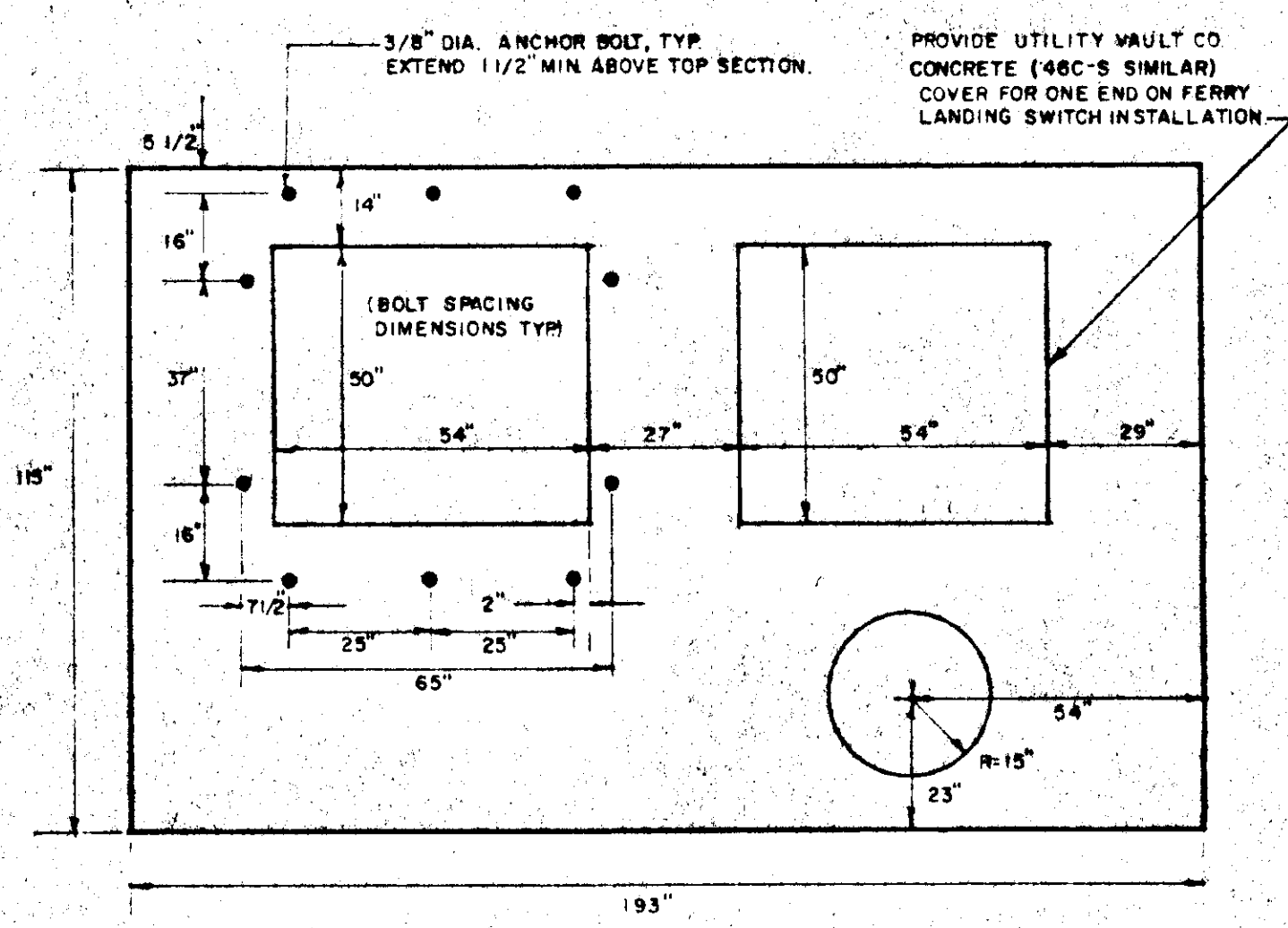
2 **TYPICAL TV & TELEPHONE MANHOLE**  
E-8 Utility Vault No. 4484-TA



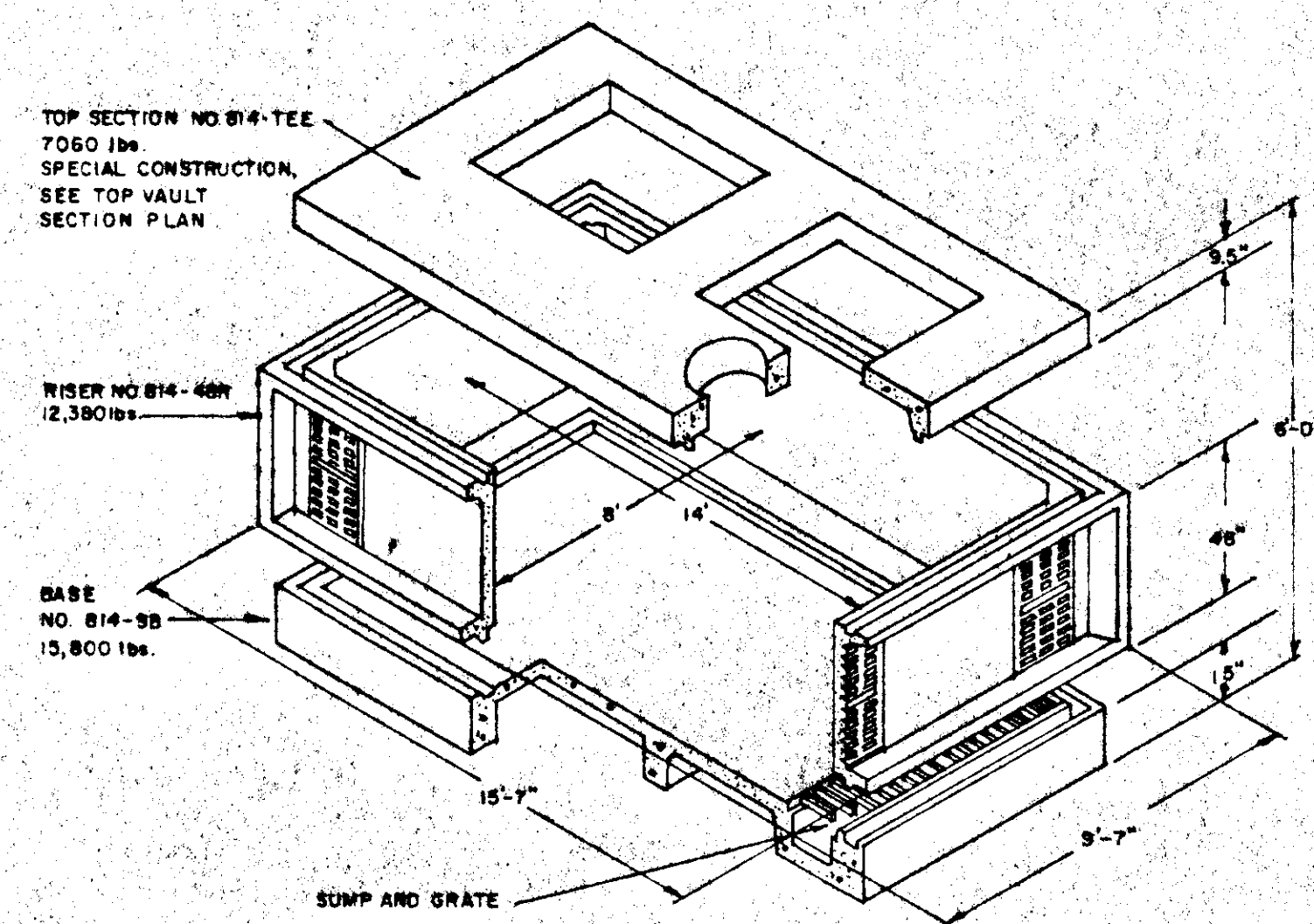
3 **TYPICAL TRANSFORMER VAULT**  
E-8 Utility Vault No. 660-LA



4 **TYPICAL TV & TELEPHONE HANDHOLE**  
E-8 Utility Vault No. 25-TA



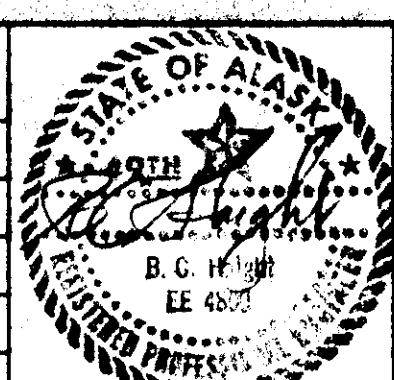
5 **SWITCHGEAR VAULT TOP SECTION PLAN**  
E-8 TYPICAL



6 **TYPICAL SWITCHGEAR VAULT**  
E-8 Utility Vault No. 814-LA

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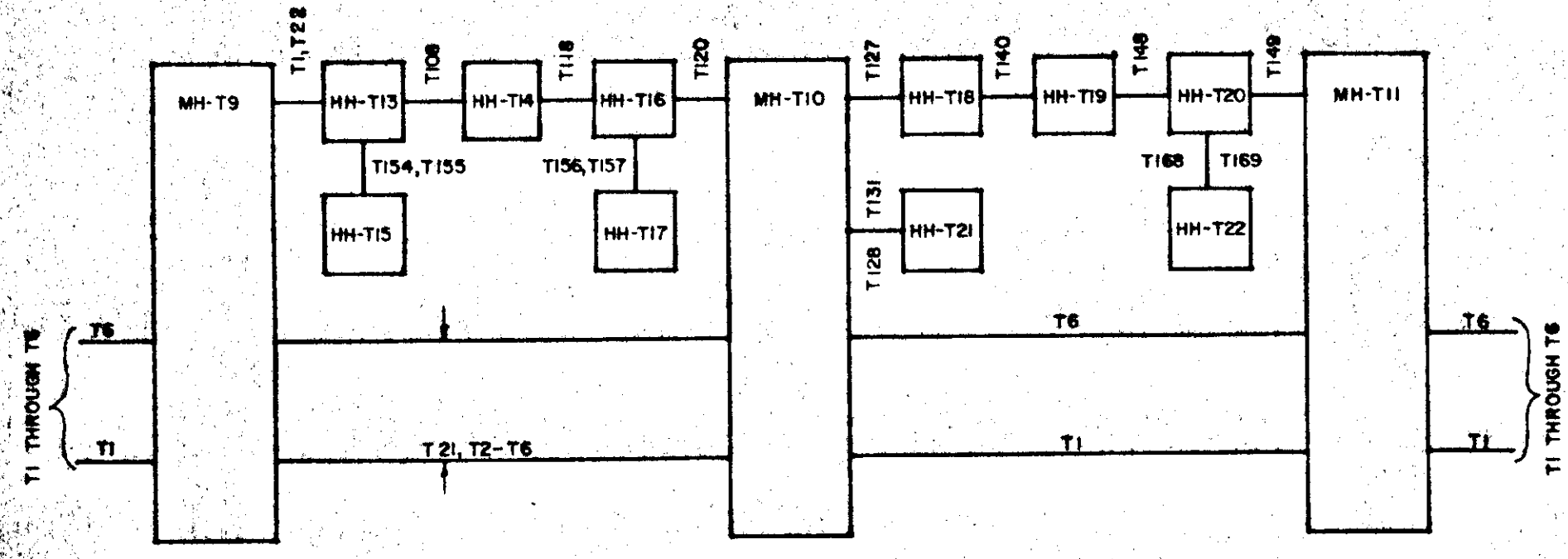
CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

**MANHOLE, HANDHOLE, & VAULT DETAILS**

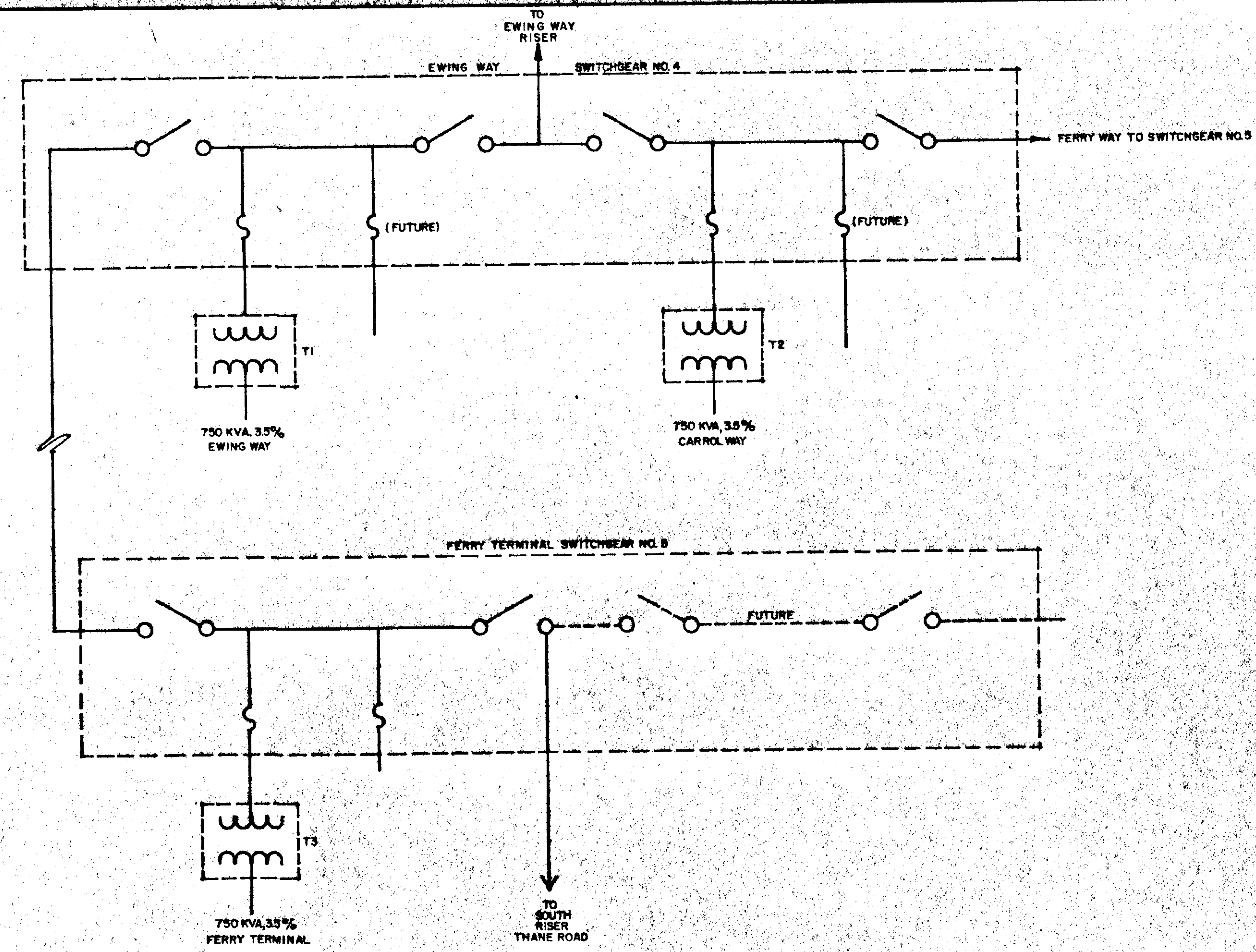
DATE: OCTOBER 1988      JOB NO.: E 87-007      SCALE:

DRAWING NO. **E-8**  
SHEET NO. **35 of 45**



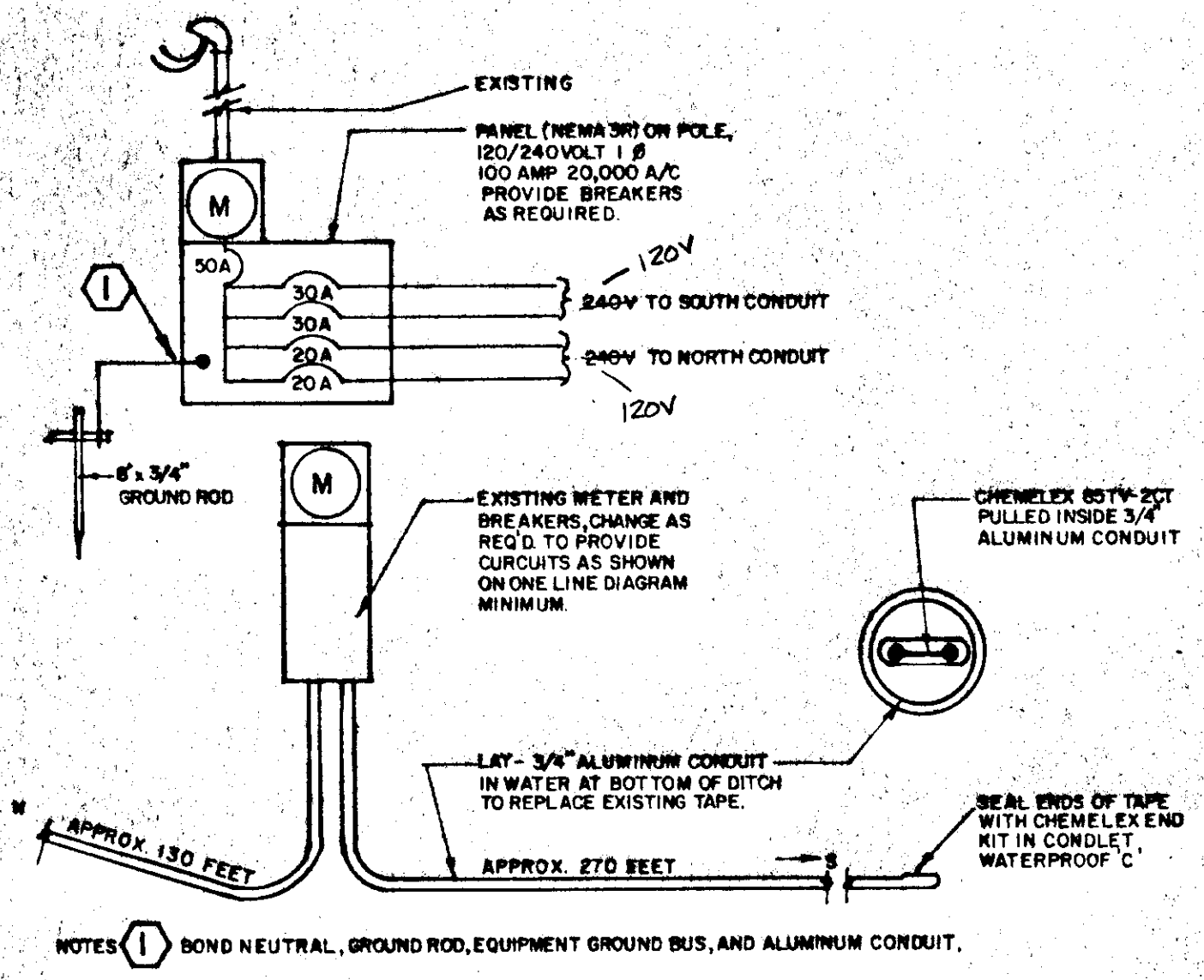


**1 TELEPHONE ONE LINE CONDUIT TRUNKING DIAGRAM**  
E-10

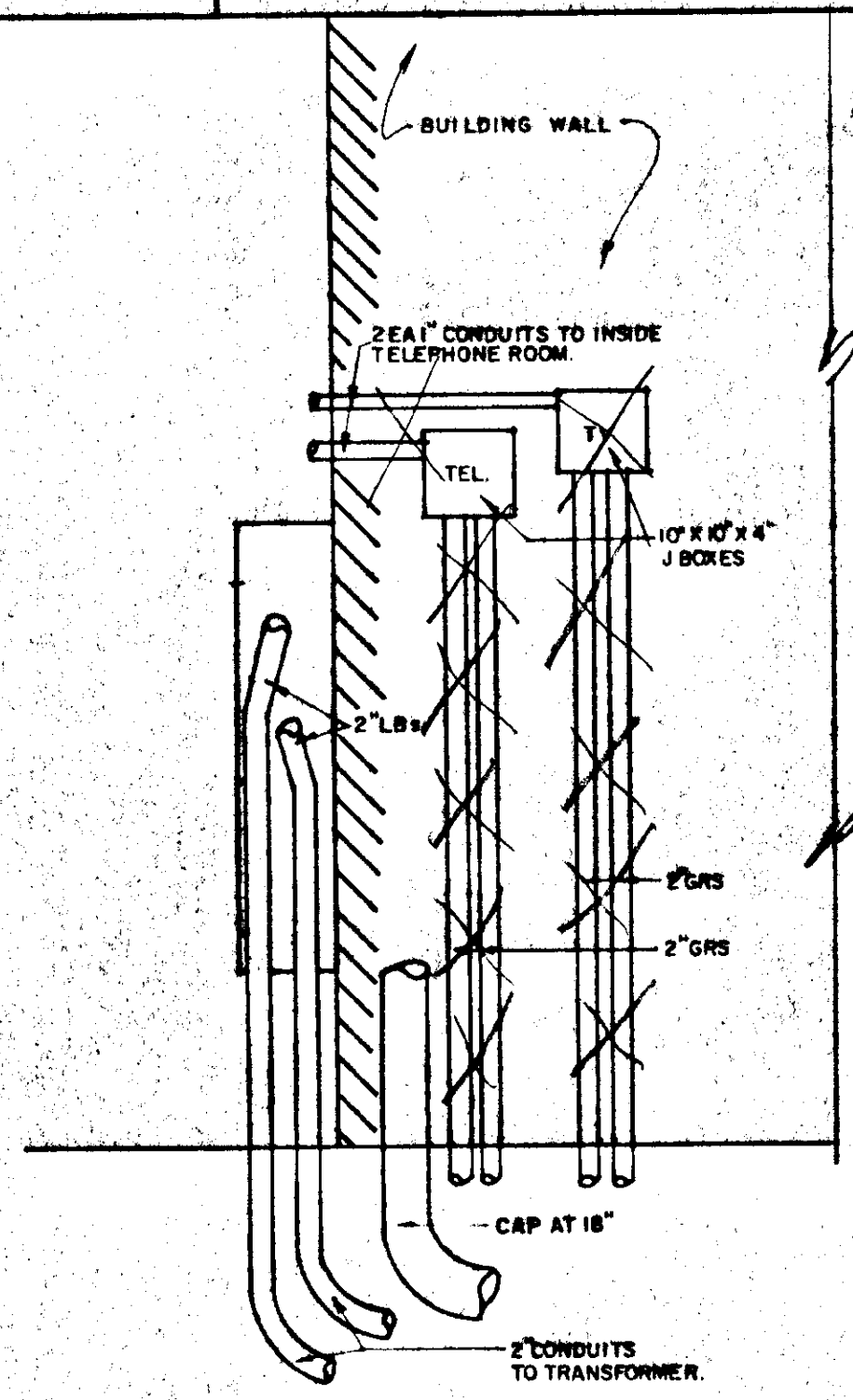


**2 PRIMARY SINGLE LINE DIAGRAM**  
E-10

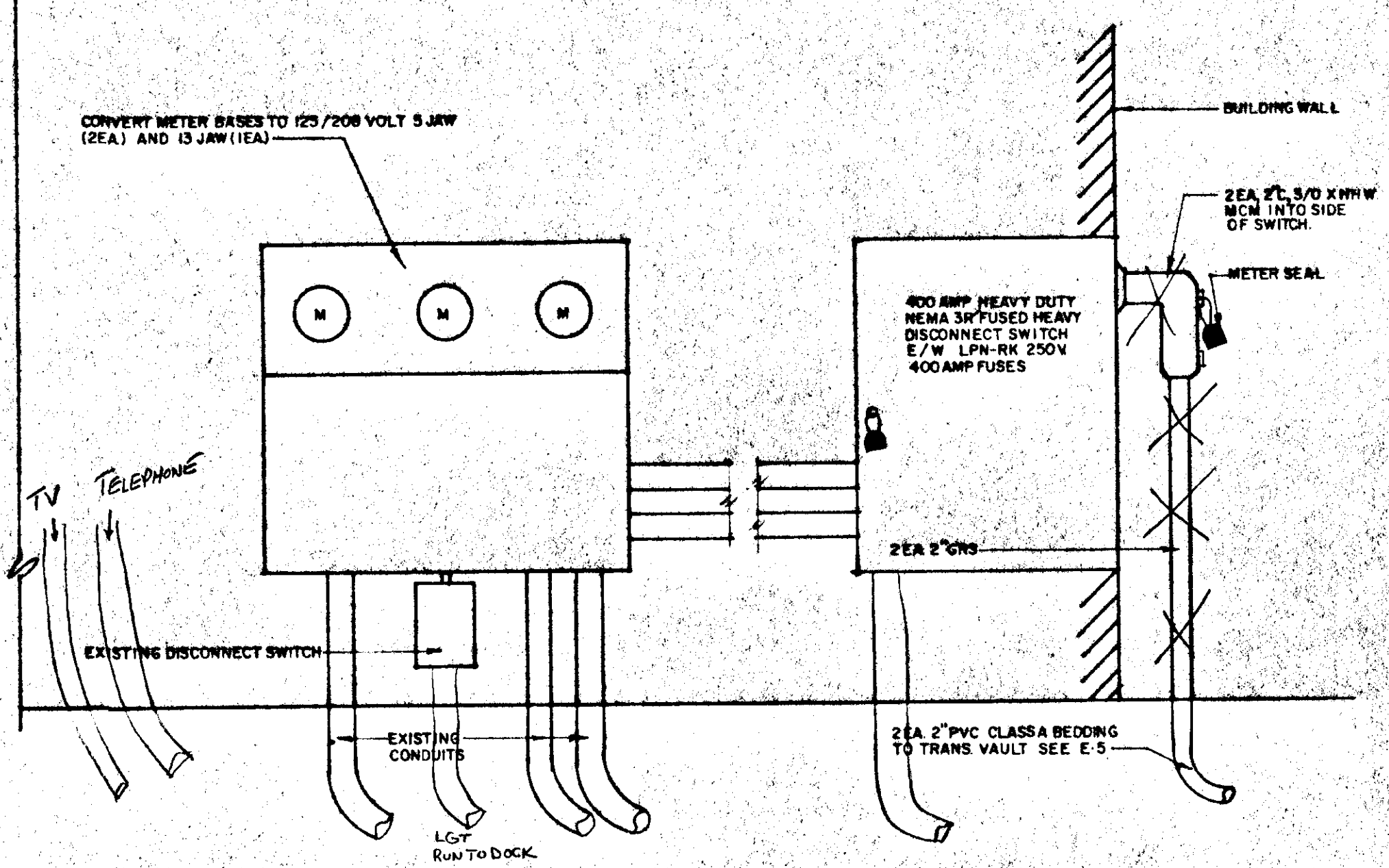
**3 NOT USED**  
E-10



**4 HEAT TAPE ONE LINE DIAGRAM & DETAILS**  
E-10



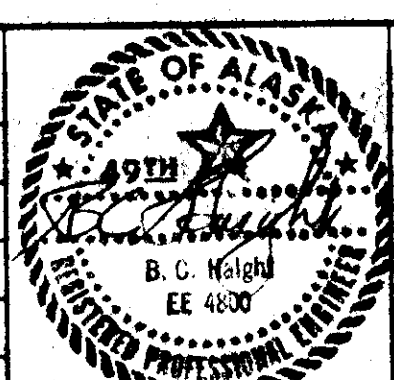
**SOUTH SIDE WALL VIEW**



**5 TERMINAL BUILDING SERVICE ELEVATION**  
E-10

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CHECKED BY: *SHS*

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SOUTH FRANKLIN STREET  
PHASE III**

**TELEPHONE TRUNK DIAGRAM,  
PRIMARY POWER DIAGRAM, & DETAILS**

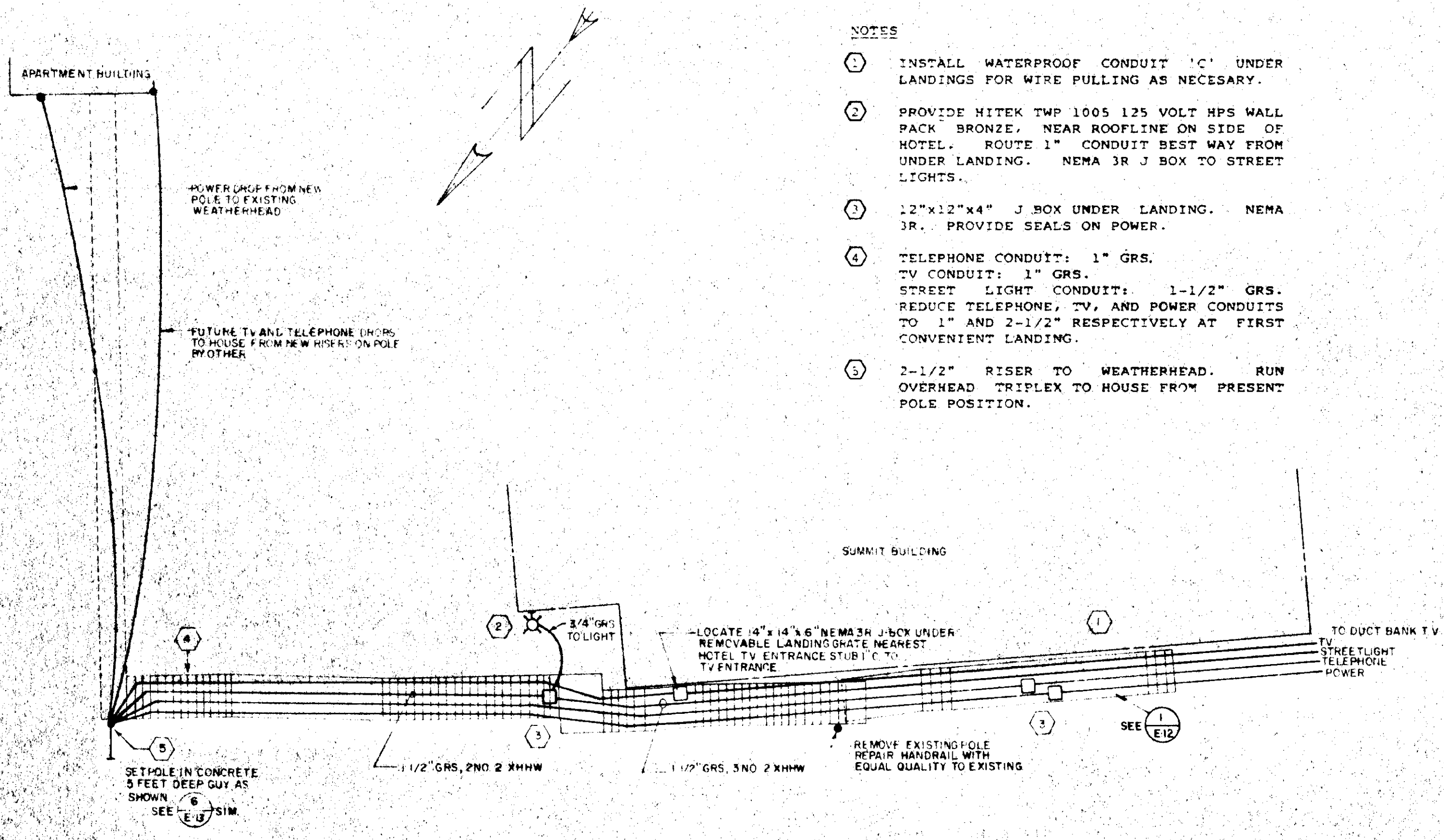
DATE: OCTOBER 1988    JOB NO.: E 87-007    SCALE:

DRAWING NO.  
**E-10**

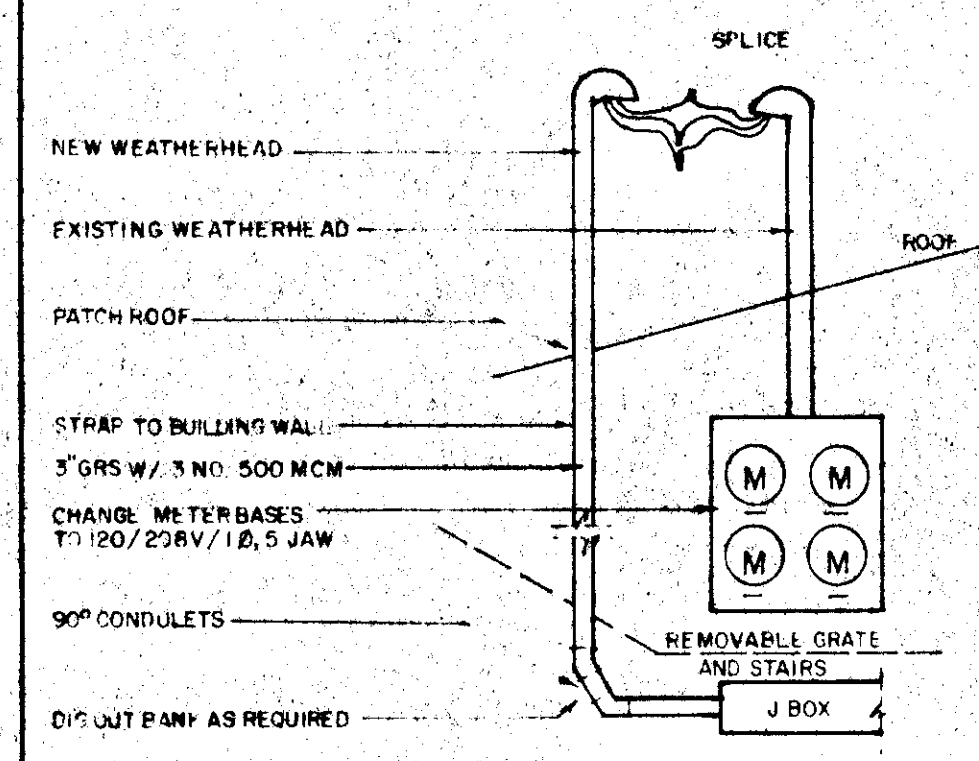
SHEET NO.  
**37 of 40**

NOTES

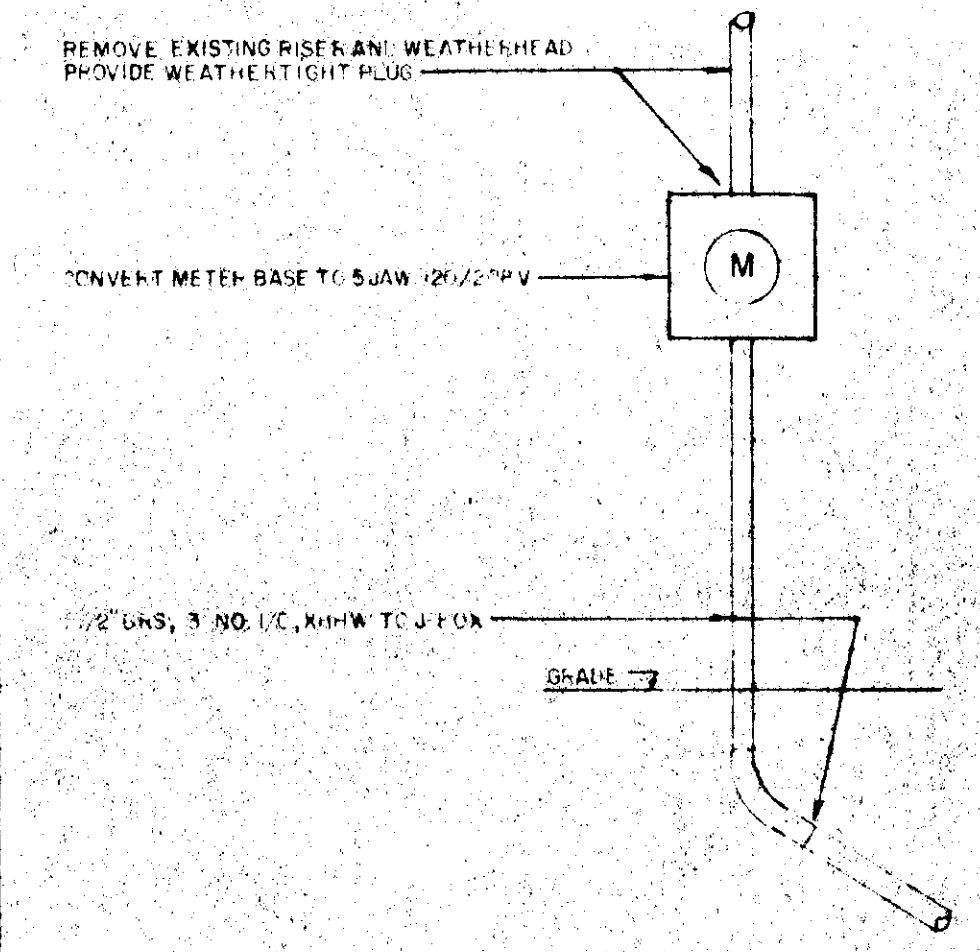
1. INSTALL WATERPROOF CONDUIT 'C' UNDER LANDINGS FOR WIRE PULLING AS NECESSARY.
2. PROVIDE HITEK TWP 1005 125 VOLT HPS WALL PACK BRONZE, NEAR ROOFLINE ON SIDE OF HOTEL. ROUTE 1" CONDUIT BEST WAY FROM UNDER LANDING. NEMA 3R J BOX TO STREET LIGHTS.
3. 12"x12"x4" J BOX UNDER LANDING. NEMA 3R. PROVIDE SEALS ON POWER.
4. TELEPHONE CONDUIT: 1" GRS.  
TV CONDUIT: 1" GRS.  
STREET LIGHT CONDUIT: 1-1/2" GRS.  
REDUCE TELEPHONE, TV, AND POWER CONDUITS TO 1" AND 2-1/2" RESPECTIVELY AT FIRST CONVENIENT LANDING.
5. 2-1/2" RISER TO WEATHERHEAD. RUN OVERHEAD TRIPLEX TO HOUSE FROM PRESENT POLE POSITION.



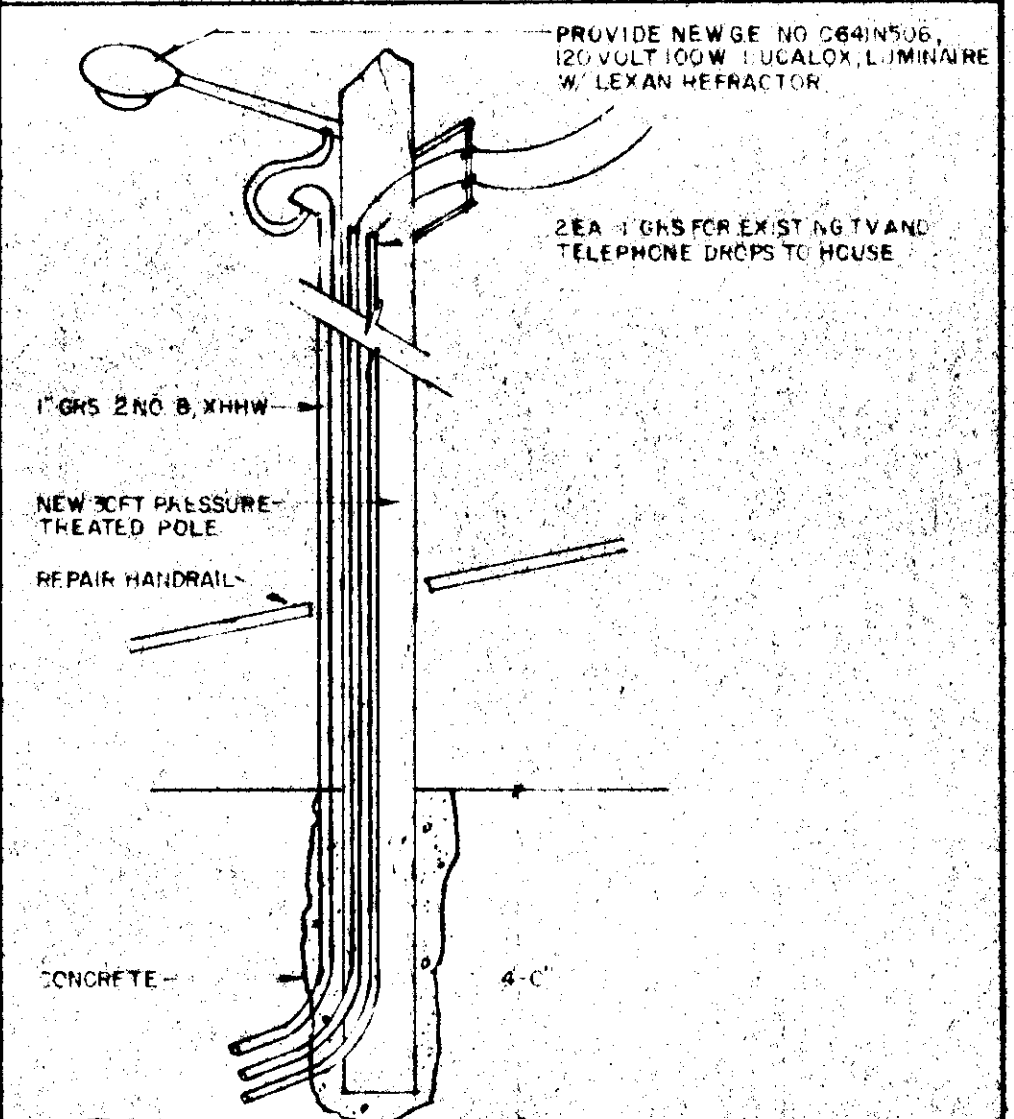
1 MARTIN WAY STAIRS  
E-II



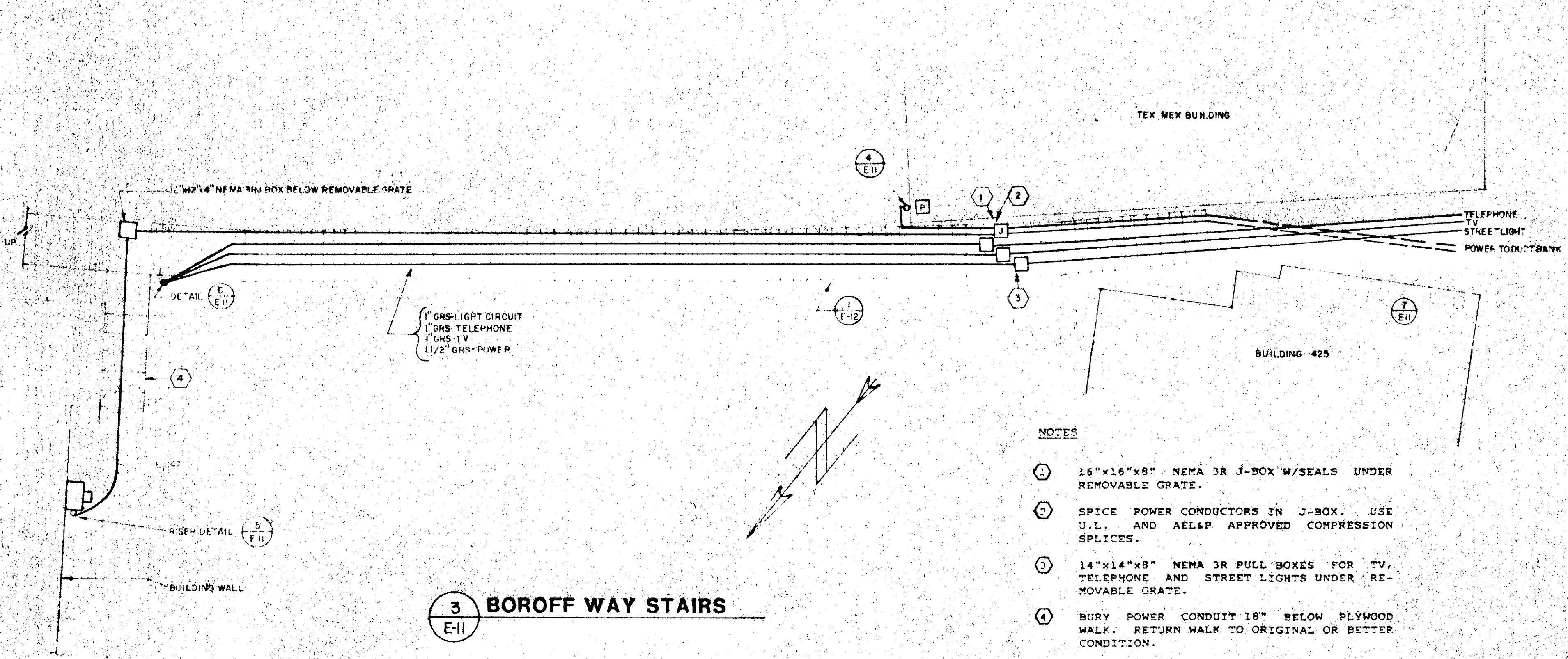
4 TEX MEX METER DETAIL  
E-II



5 BOROFF WAY UPPER BUILDING POWER DETAIL  
E-II



6 BOROFF WAY POLE DETAIL  
E-II

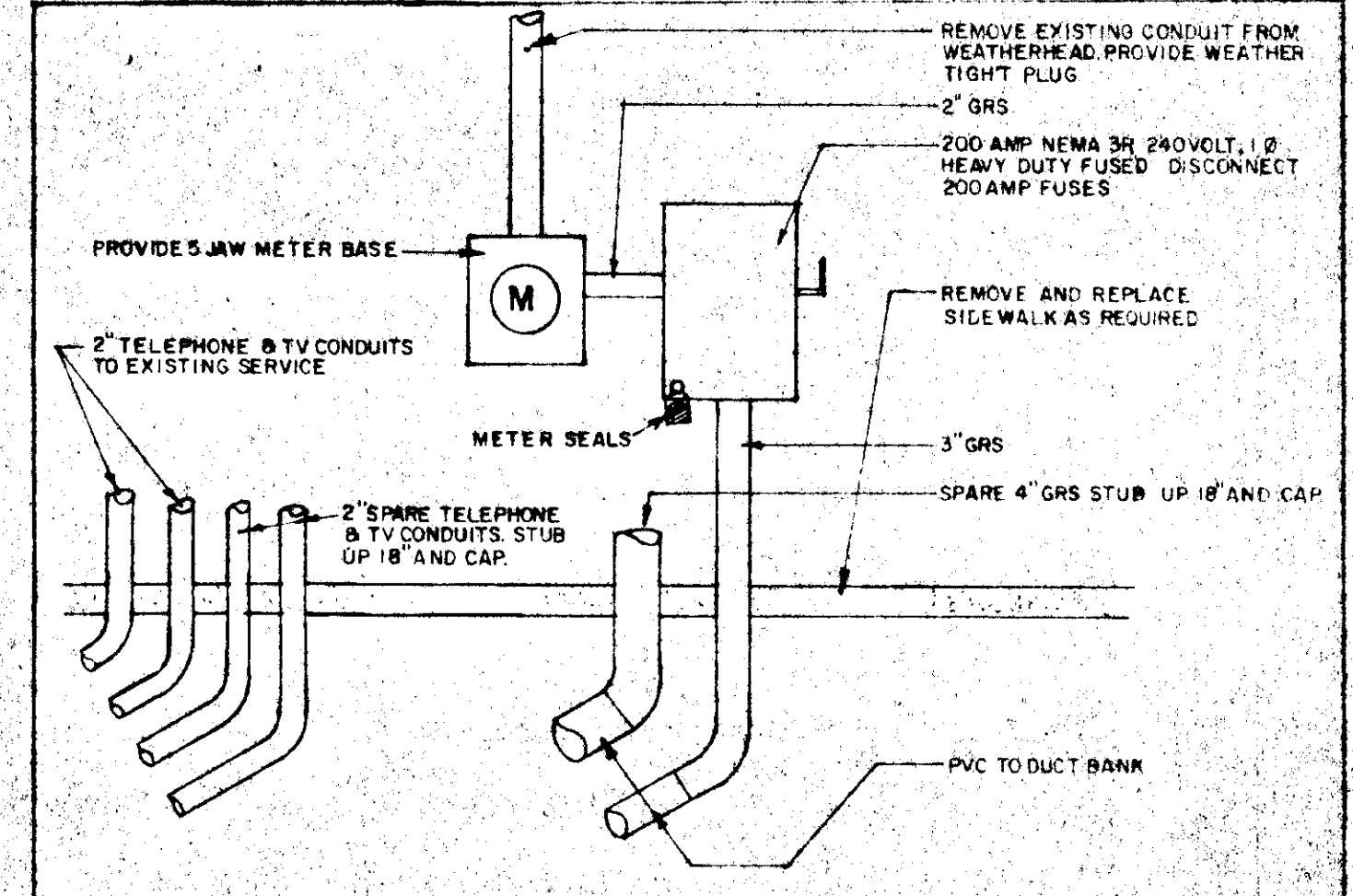


3 BOROFF WAY STAIRS  
E-II

NOTES

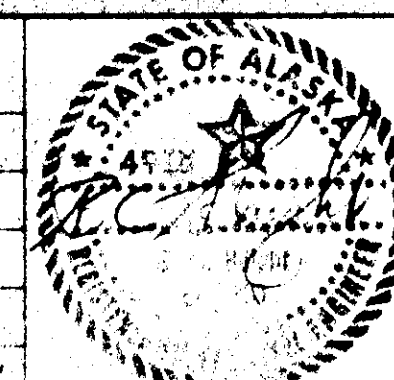
1. 16"x16"x8" NEMA 3R J-BOX W/SEALS UNDER REMOVABLE GRATE.
2. SPICE POWER CONDUCTORS IN J-BOX. USE U.L. AND AEL&P APPROVED COMPRESSION SPLICES.
3. 14"x14"x8" NEMA 3R PULL BOXES FOR TV, TELEPHONE AND STREET LIGHTS UNDER REMOVABLE GRATE.
4. BURY POWER CONDUIT 18" BELOW PLYWOOD WALK. RETURN WALK TO ORIGINAL OR BETTER CONDITION.

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7 BLDG. 425 SERVICE ELEV.  
E-II

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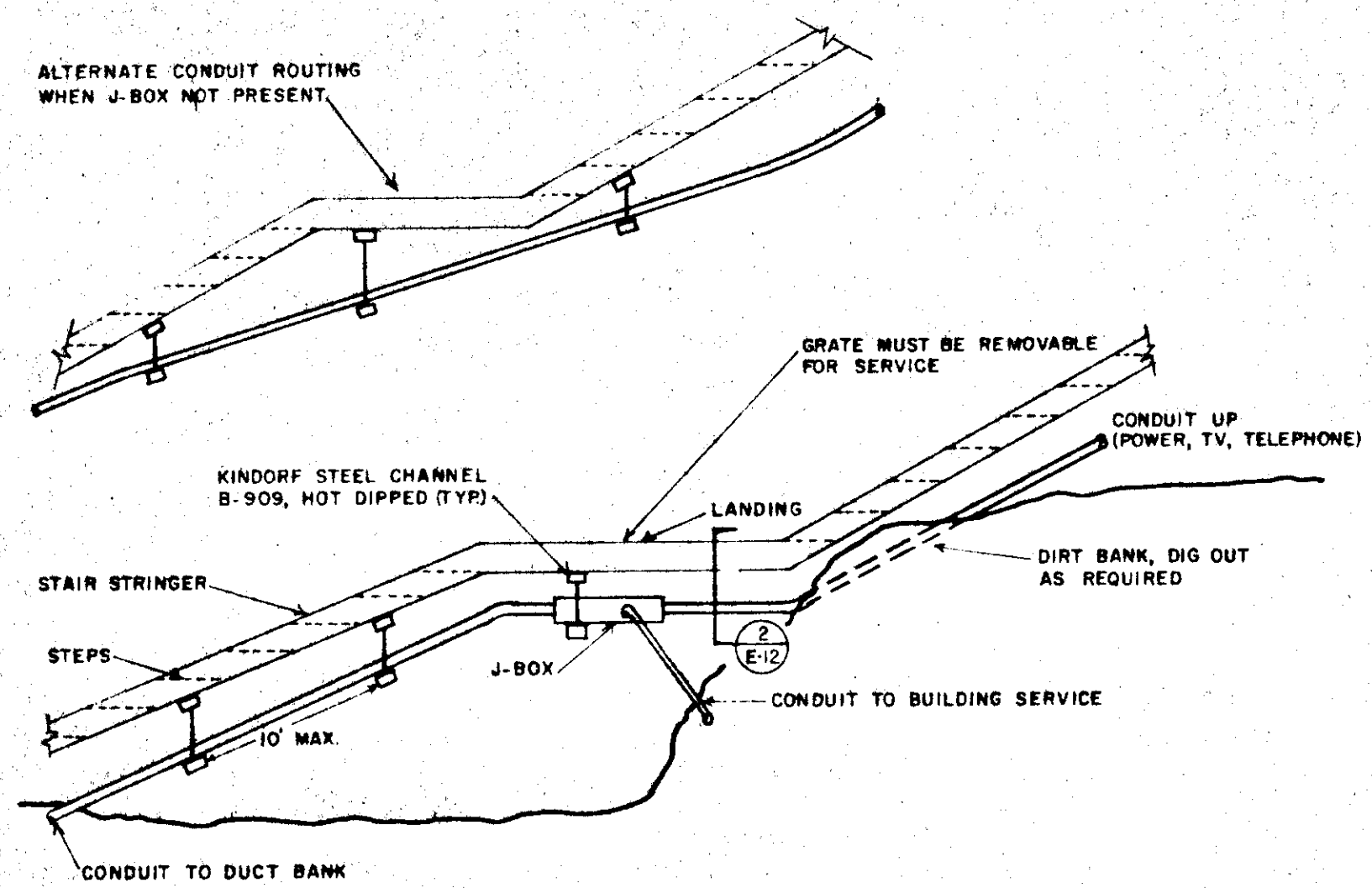
CITY & BOROUGH OF JUNEAU  
 ALASKA DOT/PF  
 SOUTH FRANKLIN STREET  
 PHASE III

SERVICE DETAILS,  
 MARTIN WAY & BOROFF WAY STAIRS

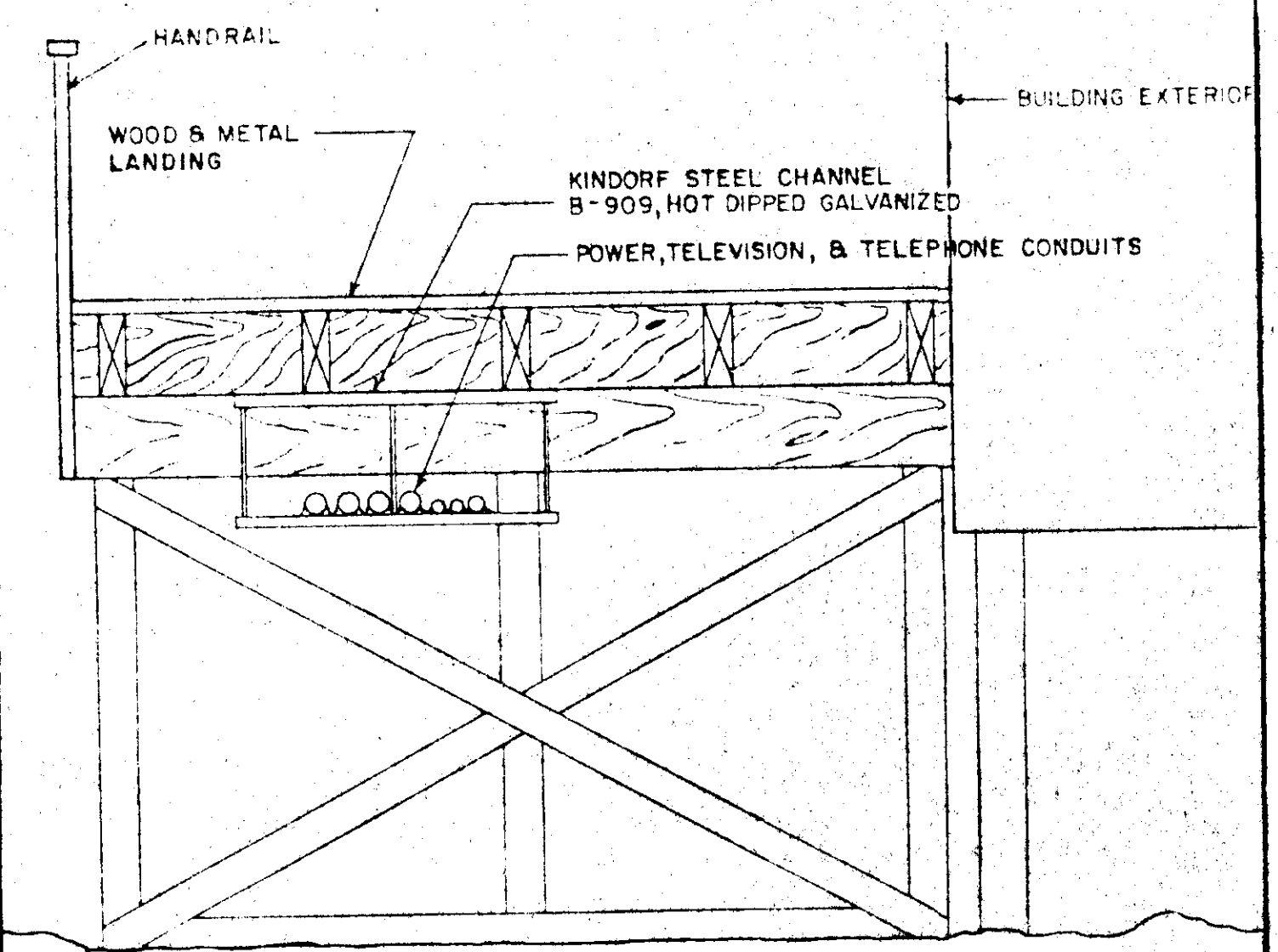
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DRAWING NO.  
**E-11**

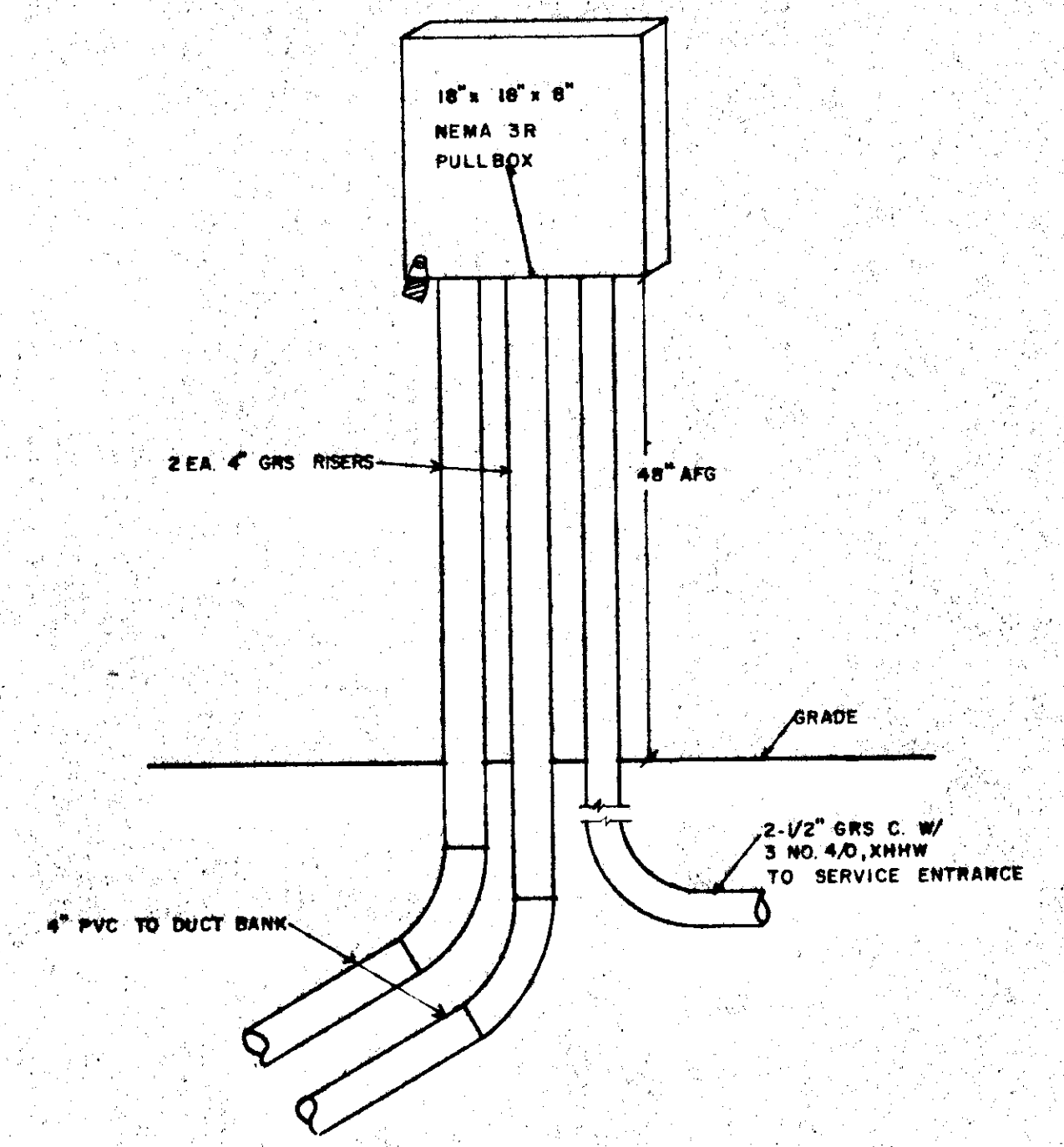
SHEET NO.  
**38 of 45**



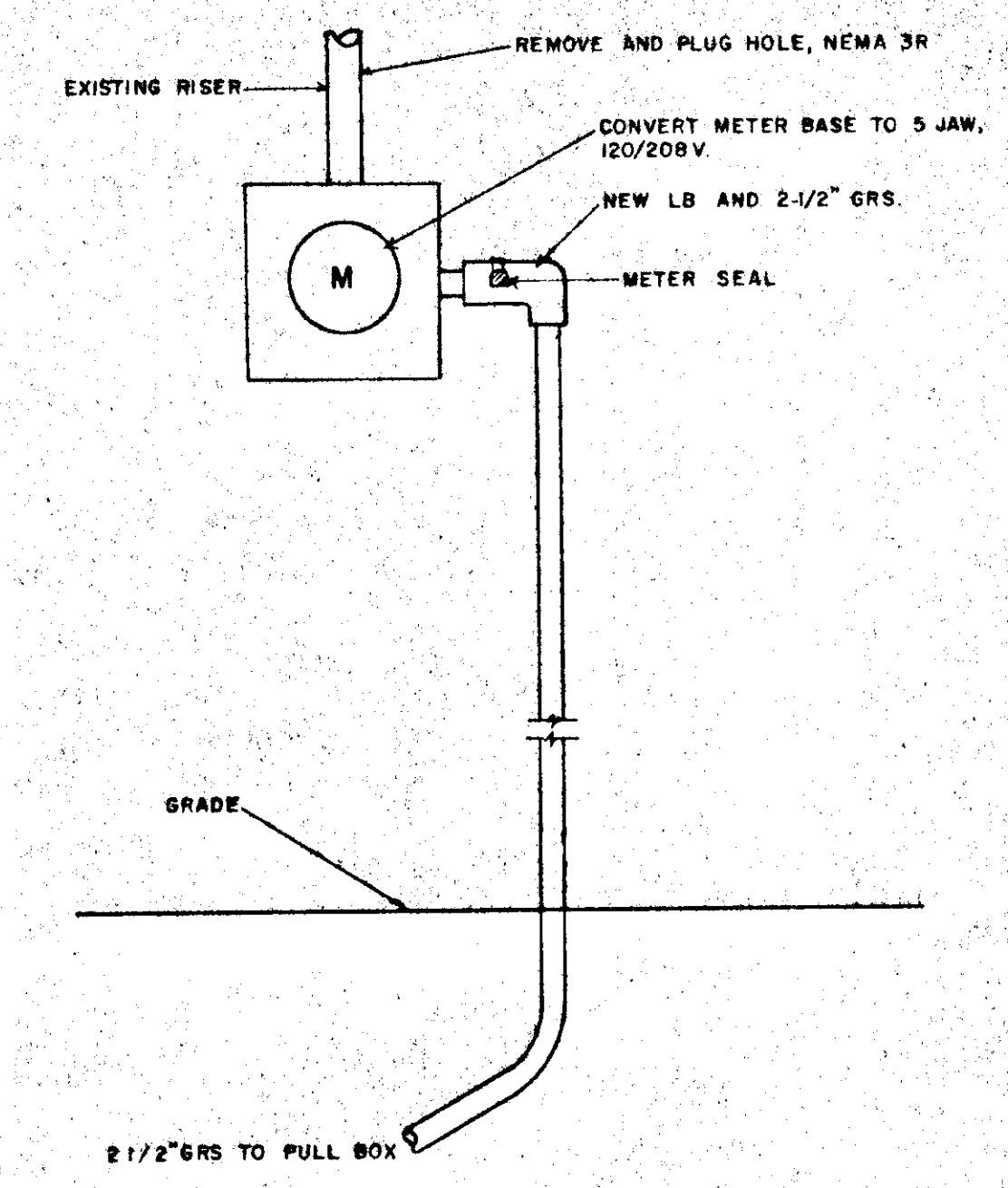
1 STAIRWAY-TYP. CONDUIT & J-BOX HANGER DETAIL  
E-12



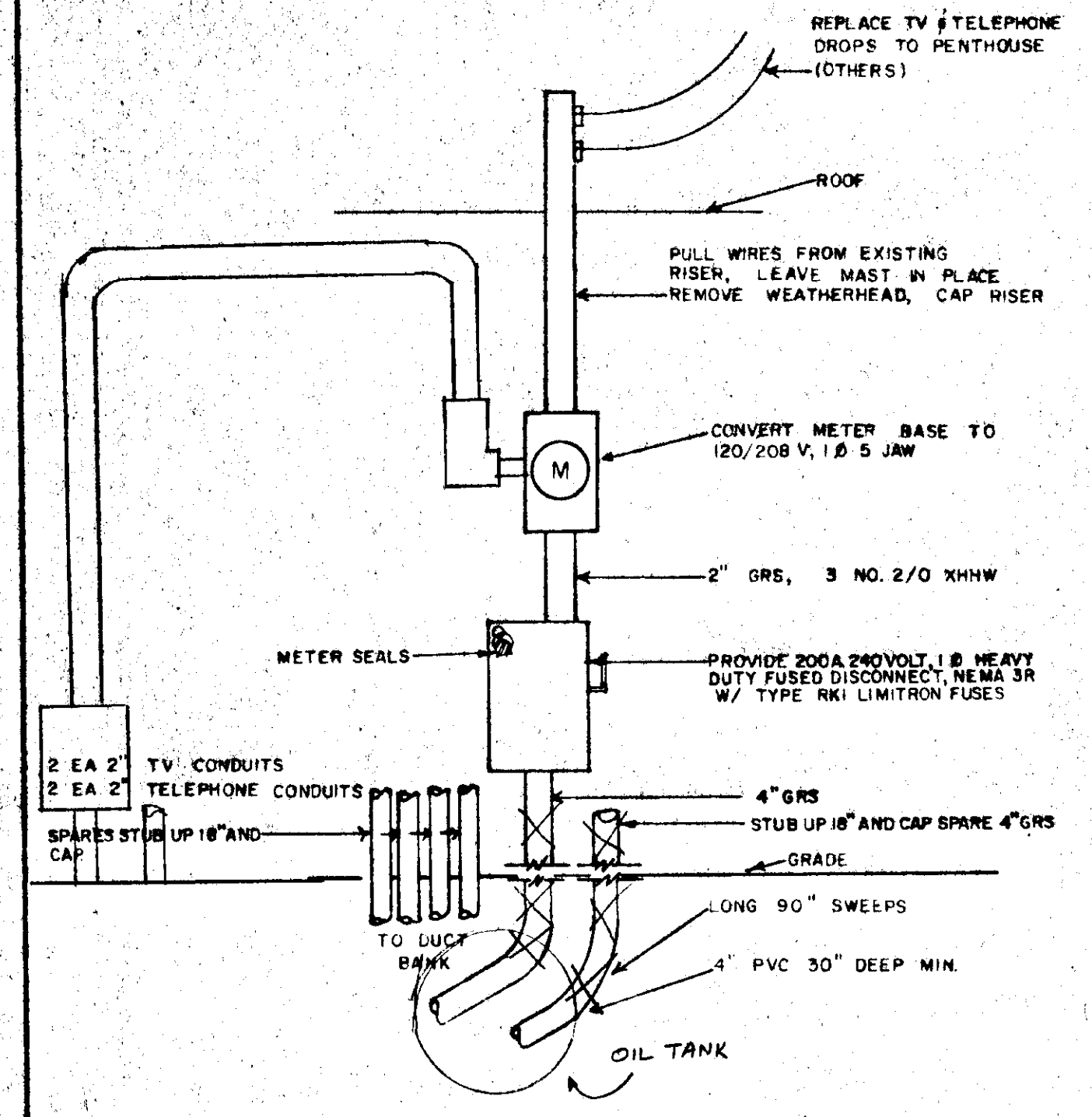
2 STAIRWAY SECTION/DETAIL  
E-12



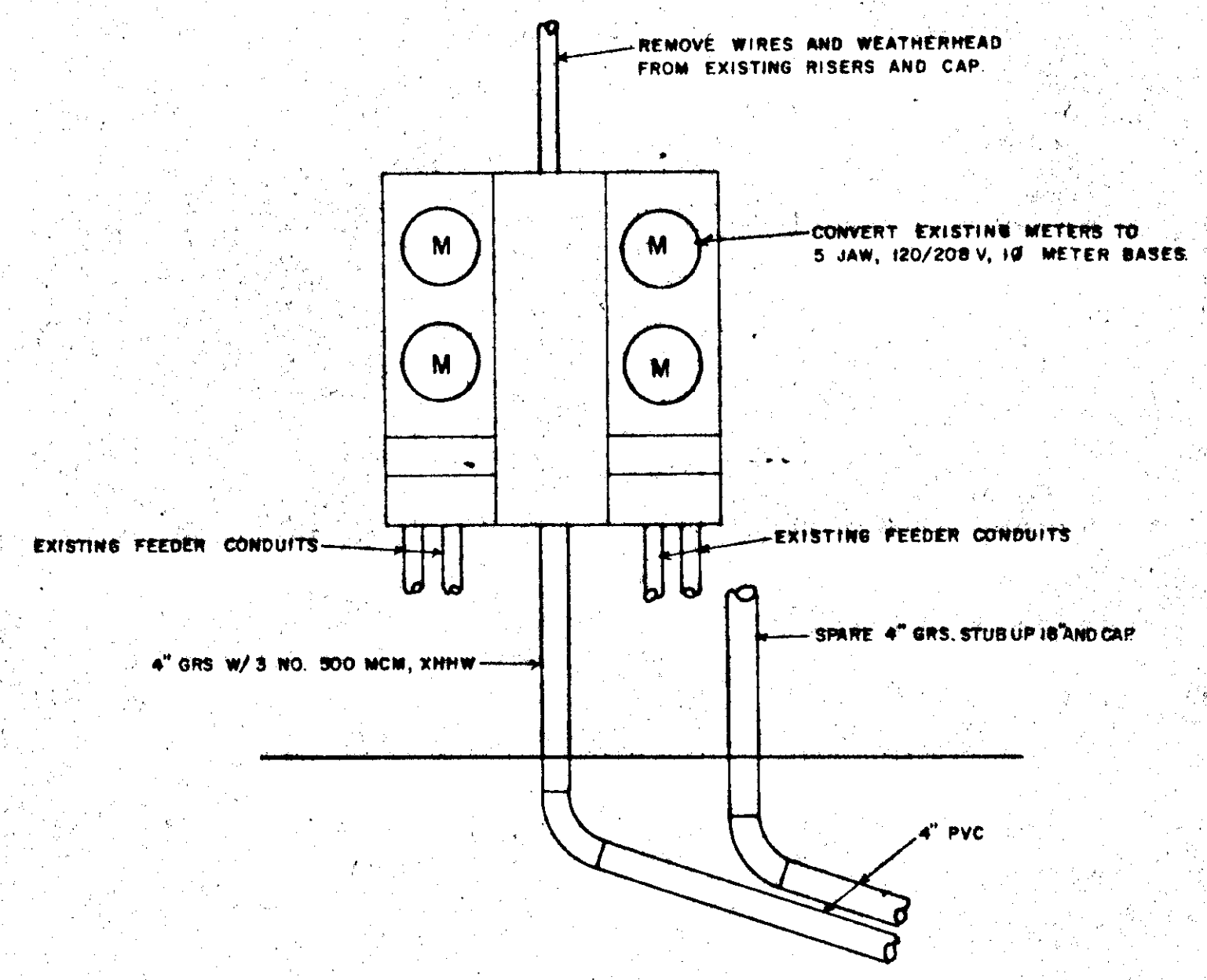
3 HOTEL PULL BOX  
E-12



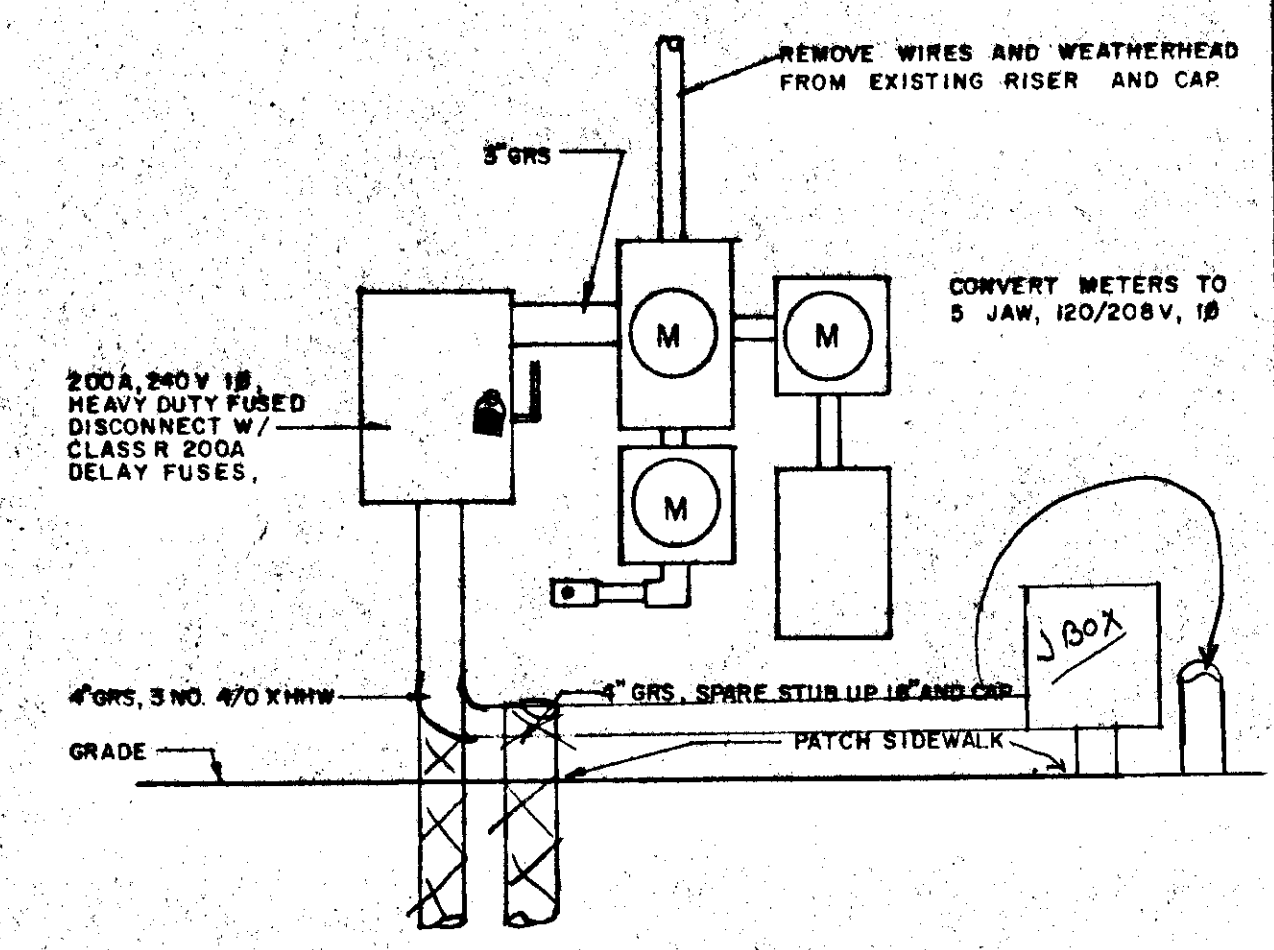
4 HOTEL SUMMIT SERVICE  
E-12



5 CITY CAFE SERVICE  
E-12



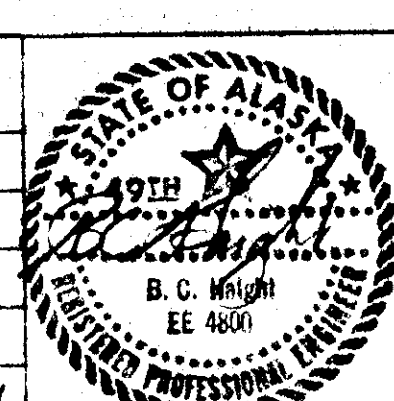
6 BLDG. 467 SERVICE  
E-12



7 PEOPLES WHARF SERVICE  
E-12

1/1/88

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B.C. HAIGHT — Consulting Engineers  
410 Fourth Street, Juneau, Alaska 99801, (907) 586-9788

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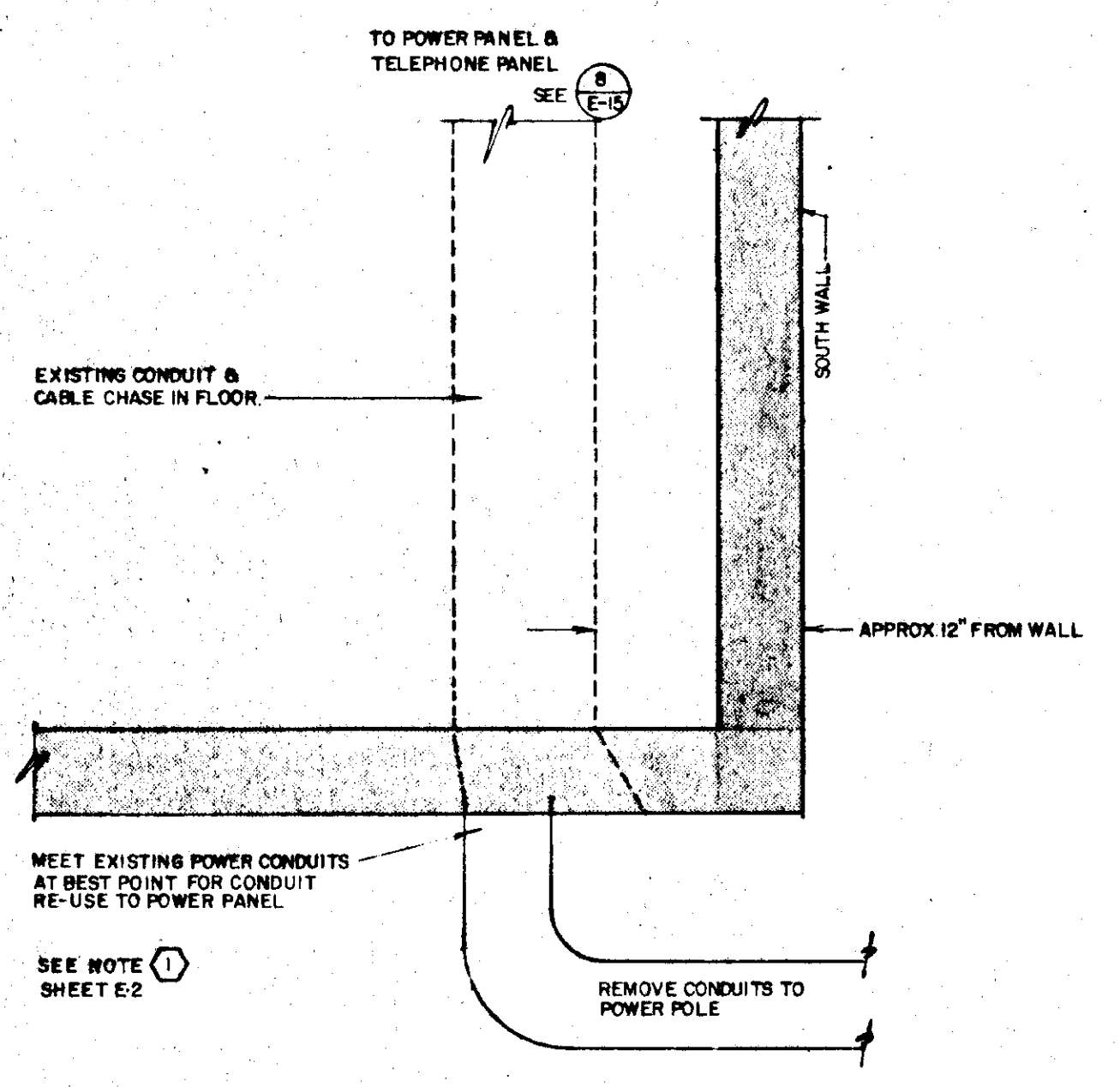
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PHASE III

STATUS:      DATE PRINTED:      DRAWING NO. E-12

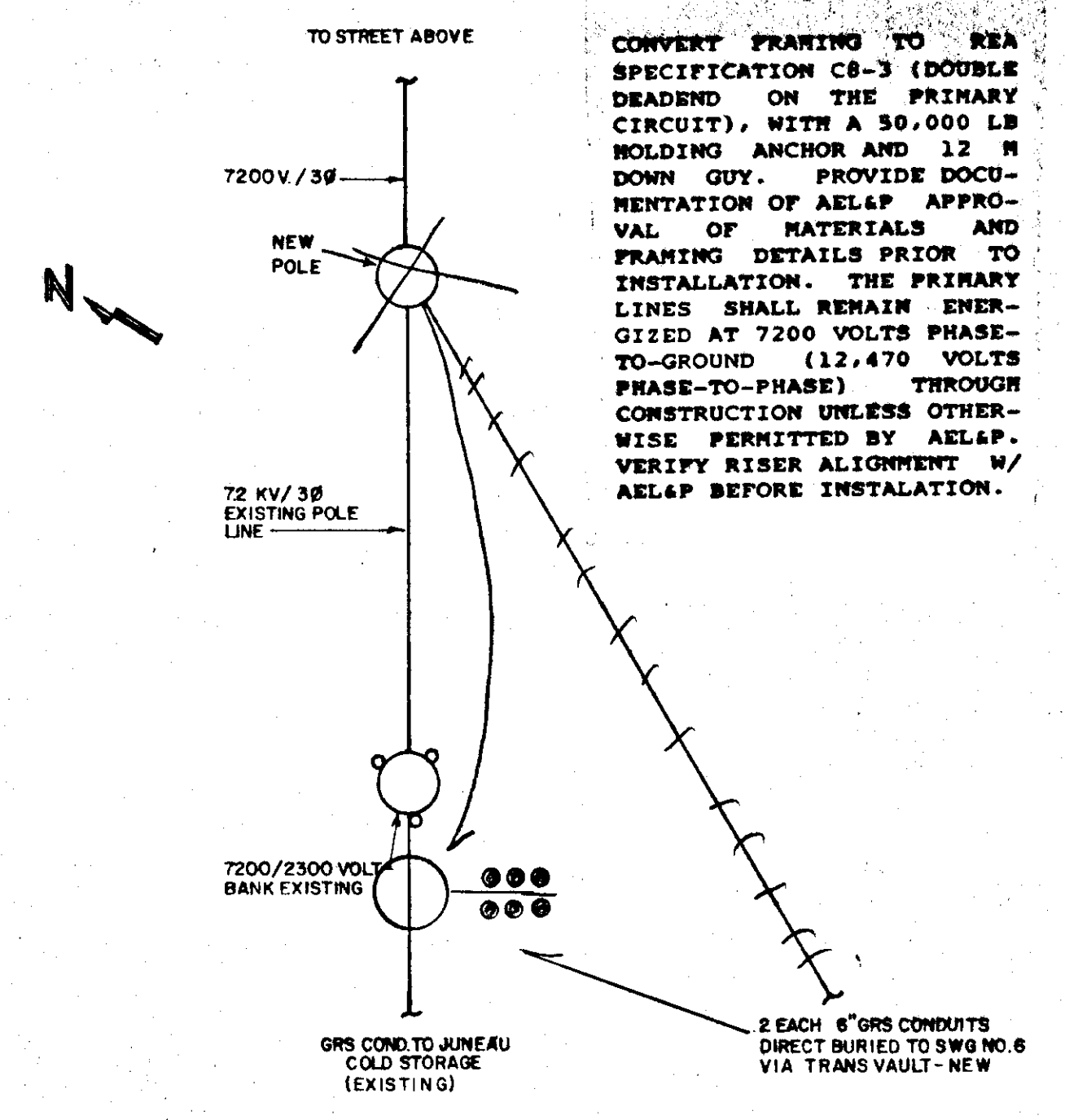
DATE: OCTOBER 1986      JOB NO.: E 87-007      SCALE:      SHEET NO. 39 of 45

DATE: OCTOBER 1986      JOB NO.: E 87-007      SCALE:

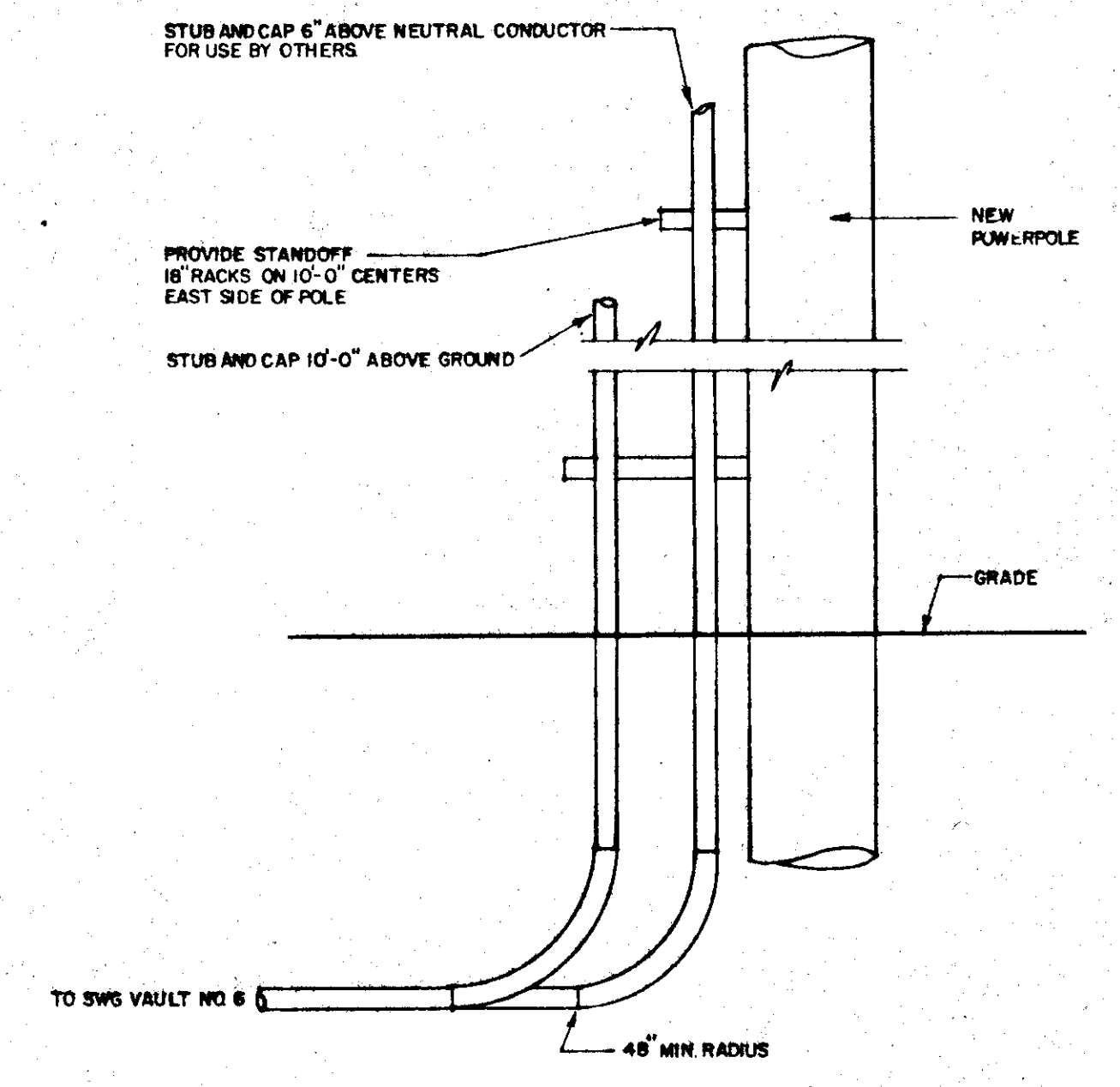




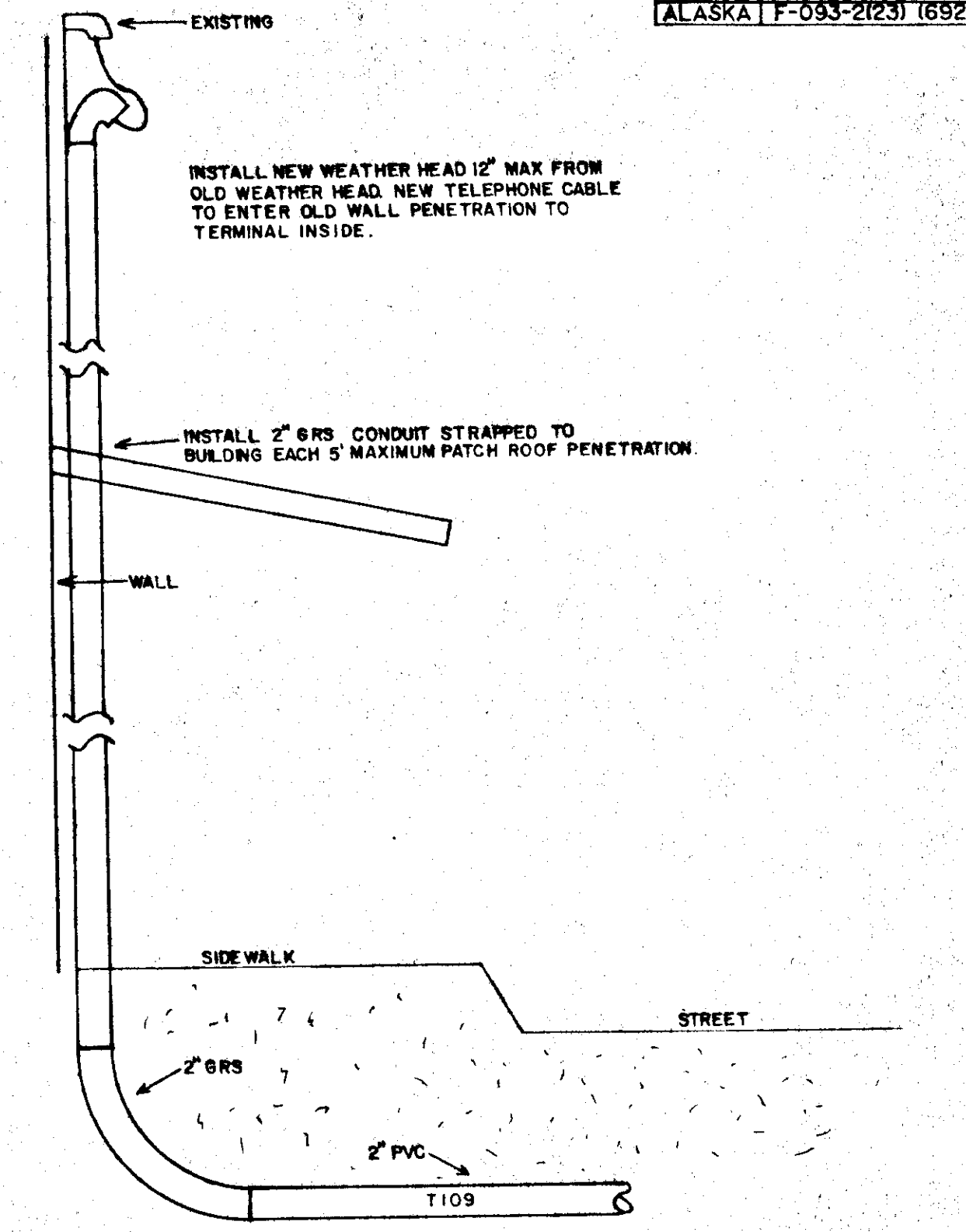
1 FRANKLIN BUILDING  
E-14 NTS



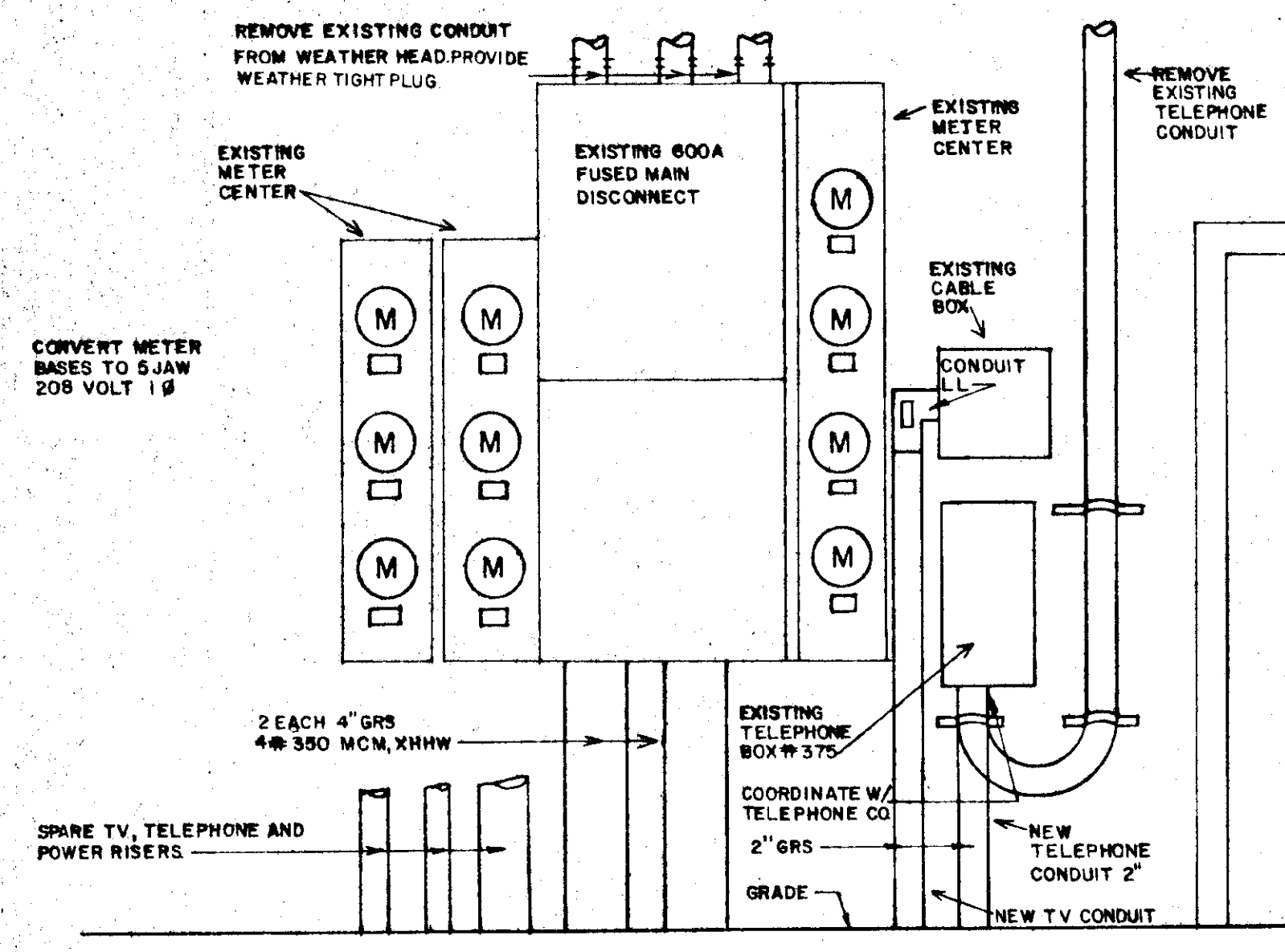
2 TRANS #6 PRIMARY  
E-14



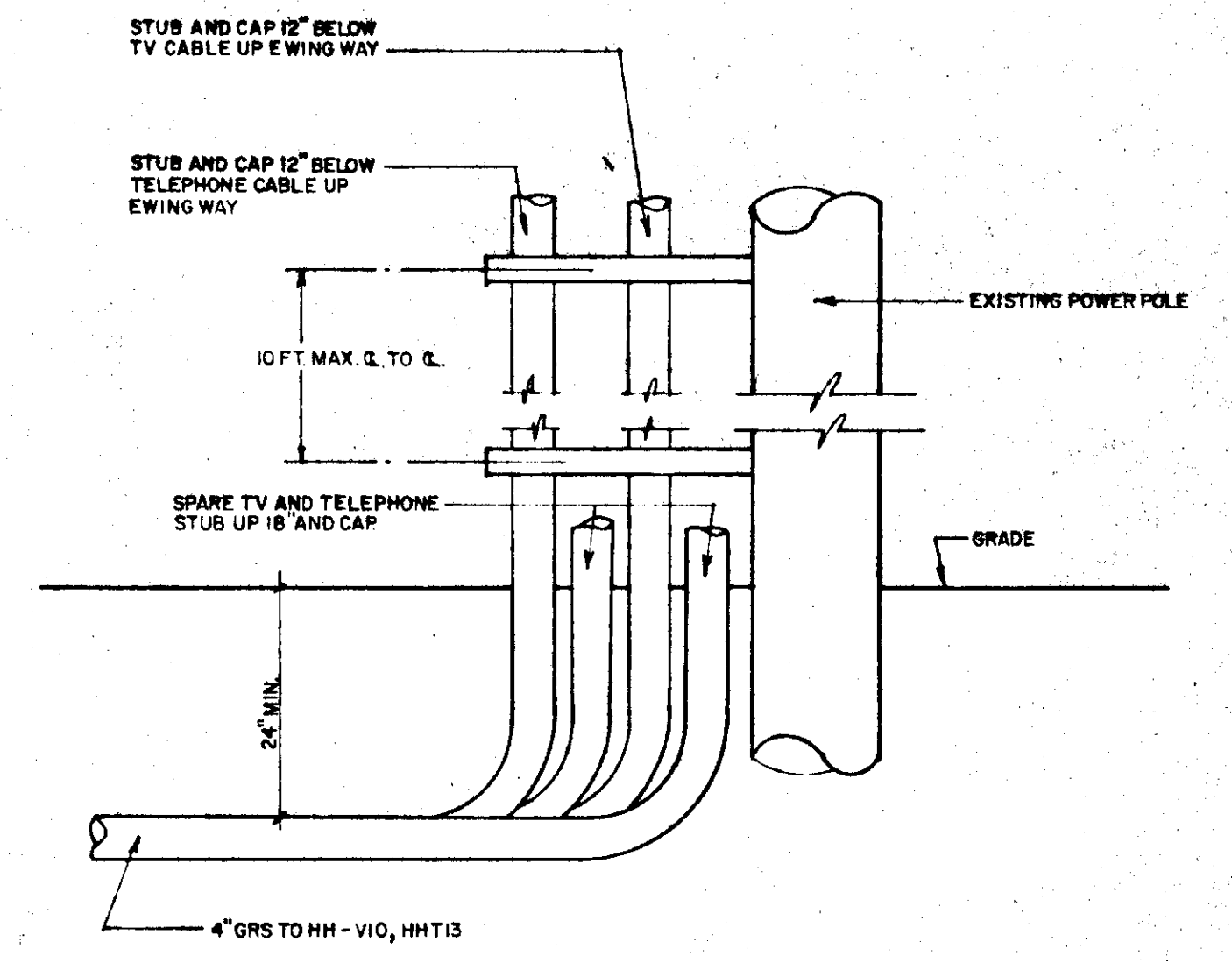
3 POWER RISERS SECOND POLE EWING WAY  
E-14



4 JUNEAU COLD STORAGE TELEPHONE  
E-14



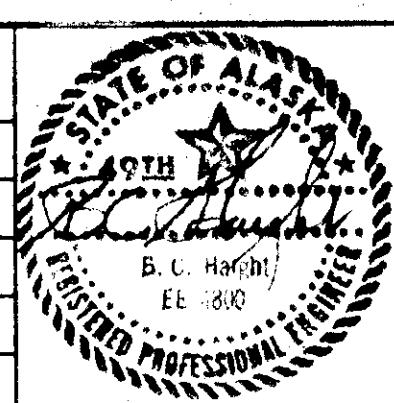
5 BUILDING 373 SERVICE ELEVATION  
E-14



6 TV AND TELEPHONE RISERS UP EWING WAY  
E-14

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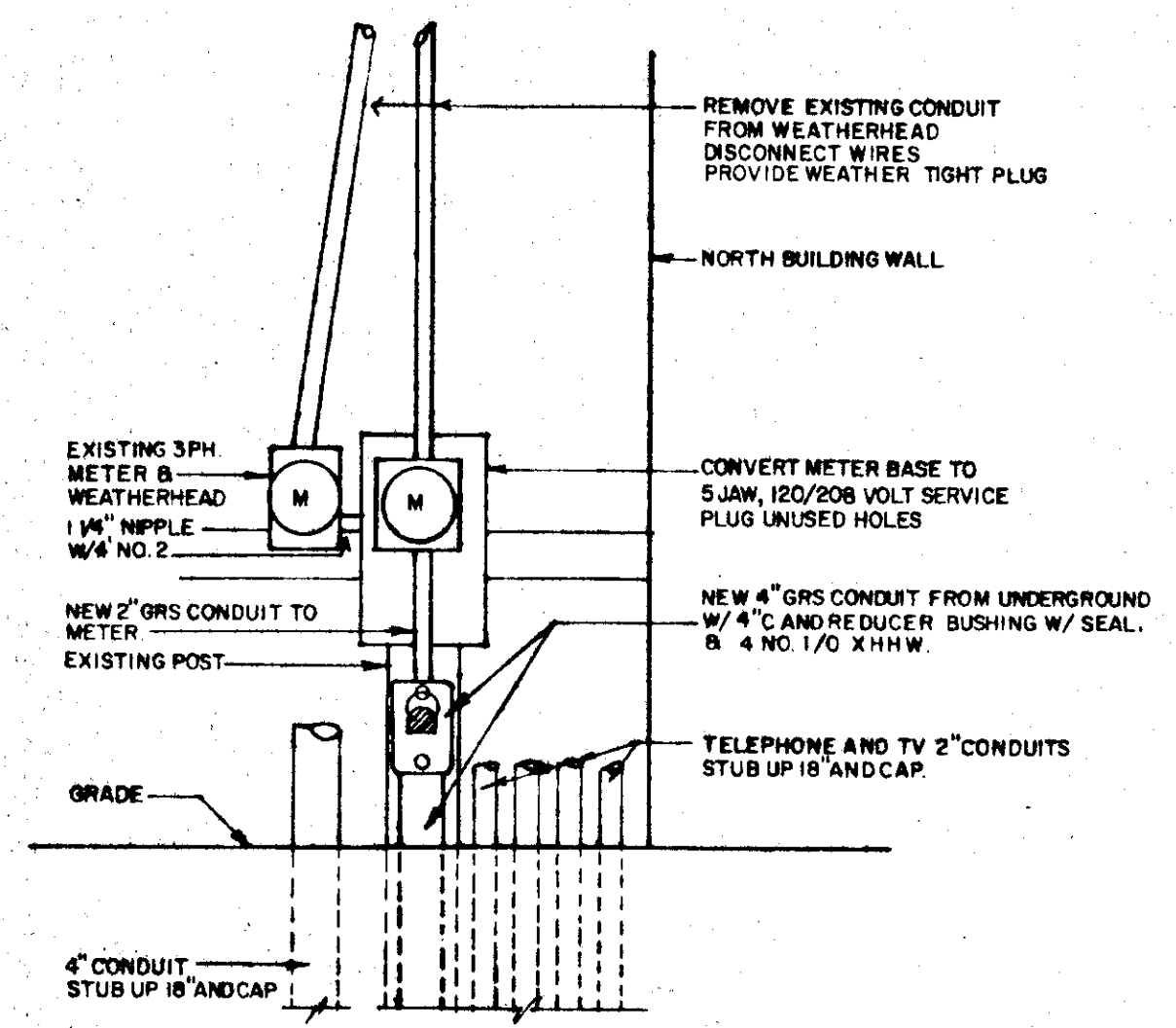
B.C. HAIGHT—Consulting Engineers  
430 Fourth Street, Juneau, Alaska 99801 (907) 586-9788

DESIGNED BY: *Red*  
CHECKED BY: *Red*

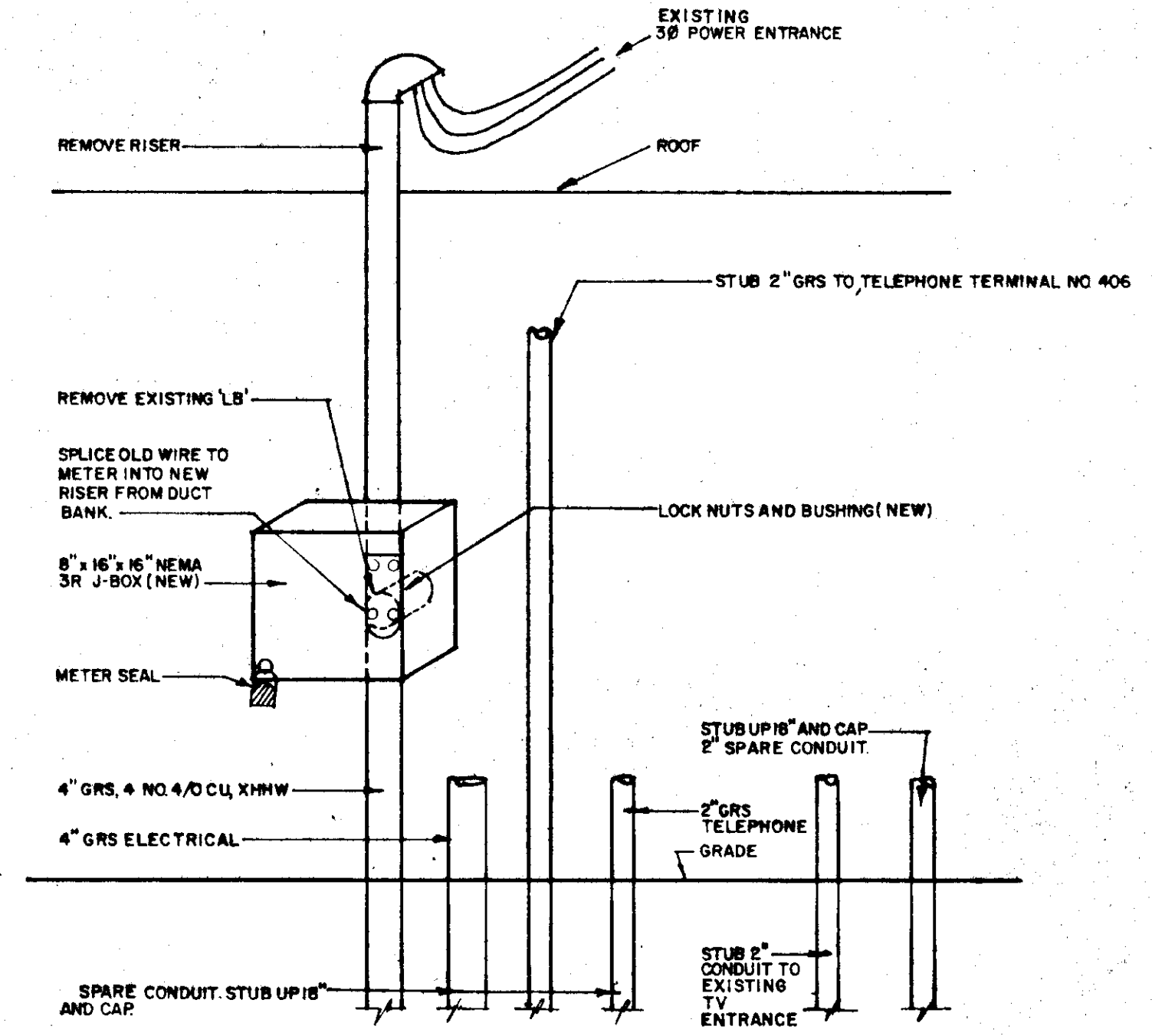
CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

DATE: OCTOBER 1988  
JOB NO.: E 87-007  
SCALE:

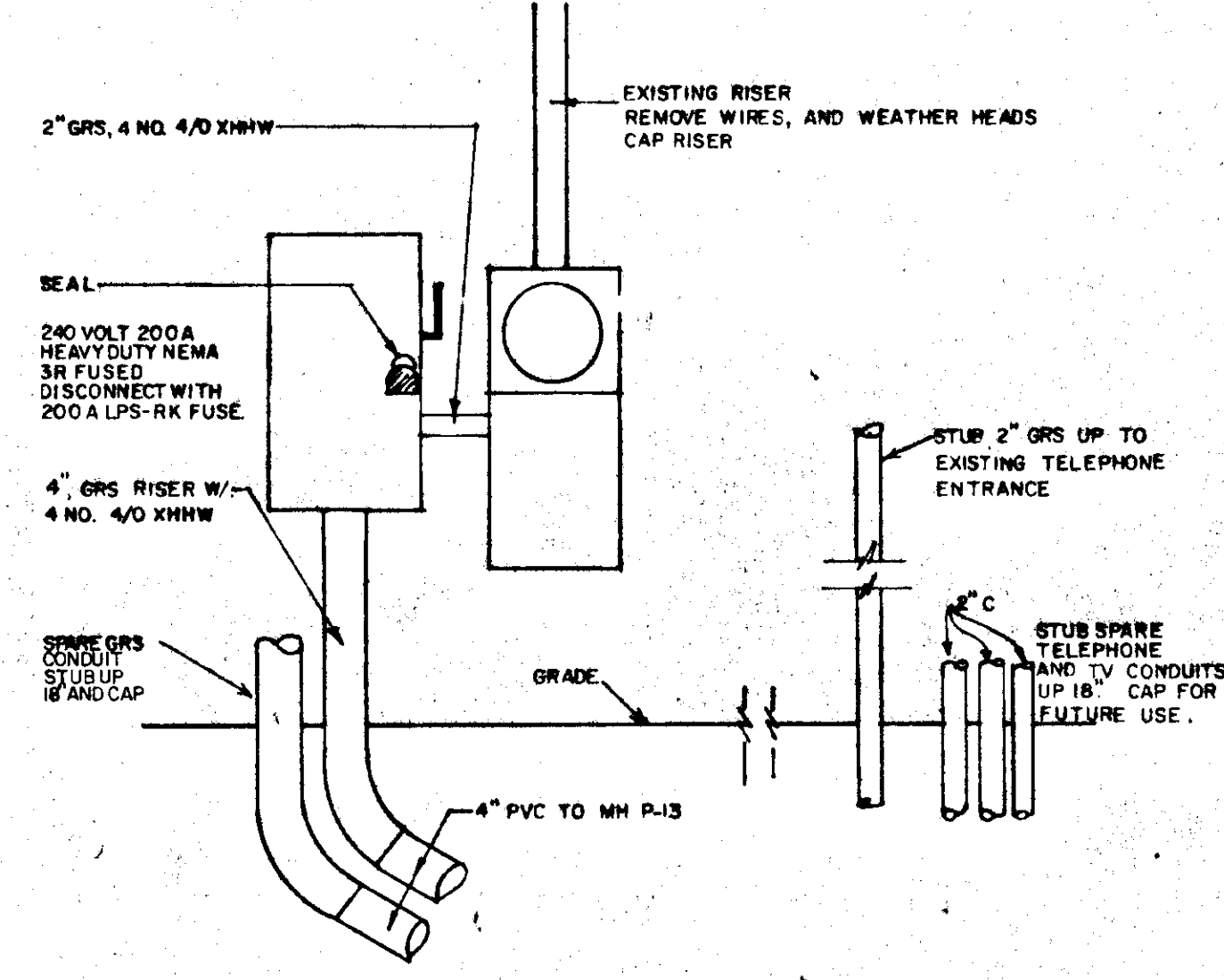
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SHEET NO.  
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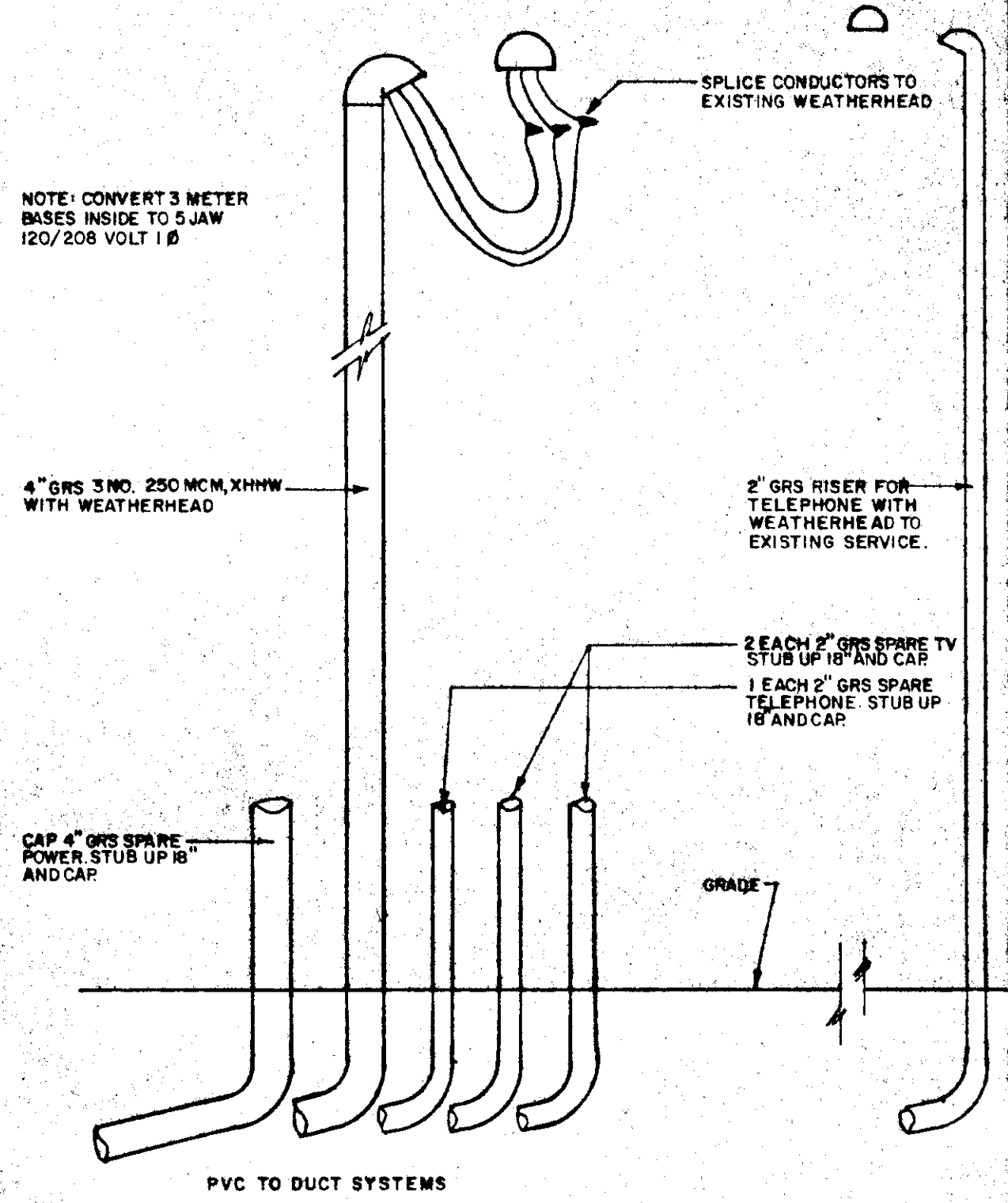
1 CLASSIC AUTO BODY SERVICE ELEVATION  
E-15



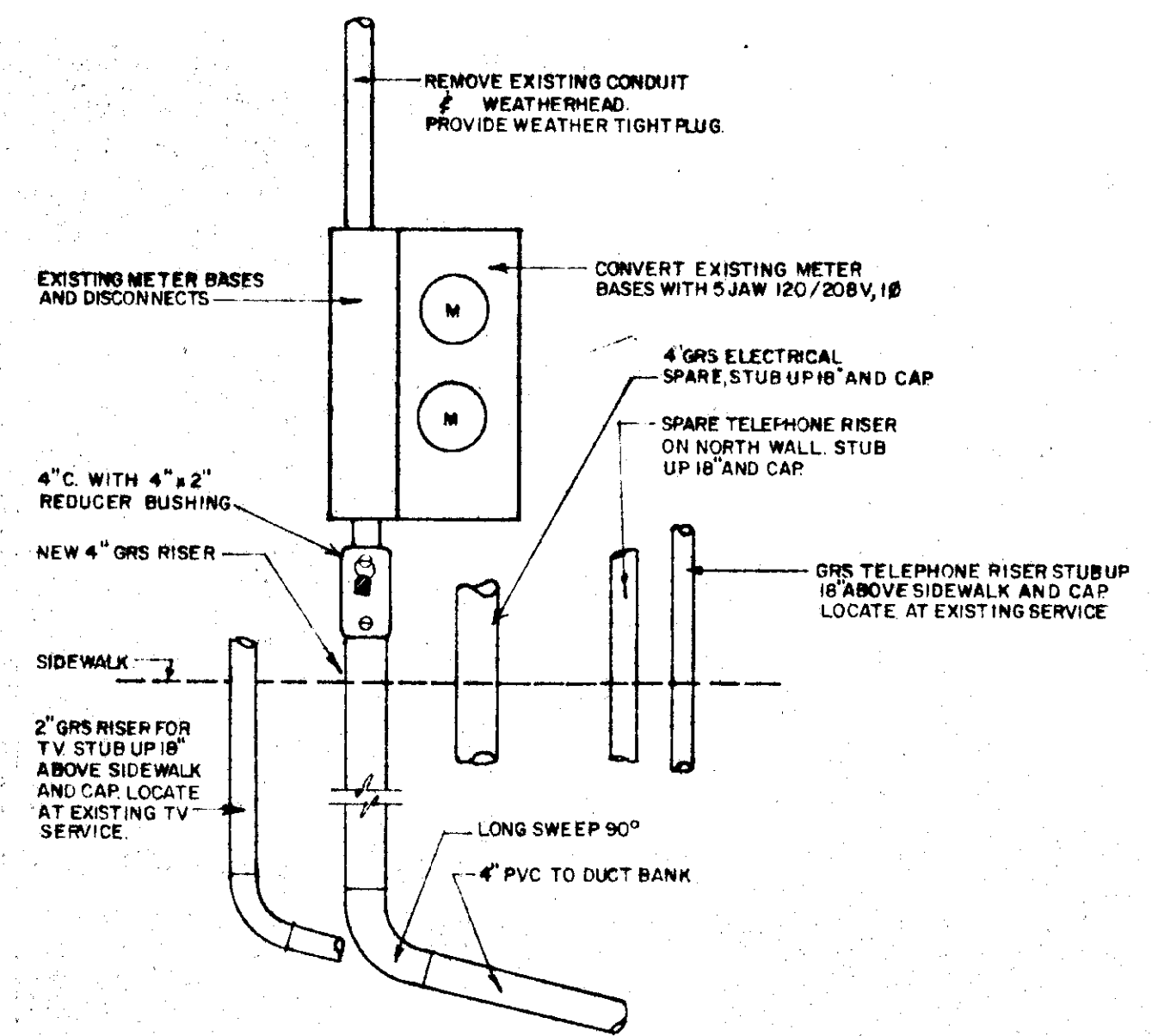
2 ALASKA LITHO SERVICE  
E-15



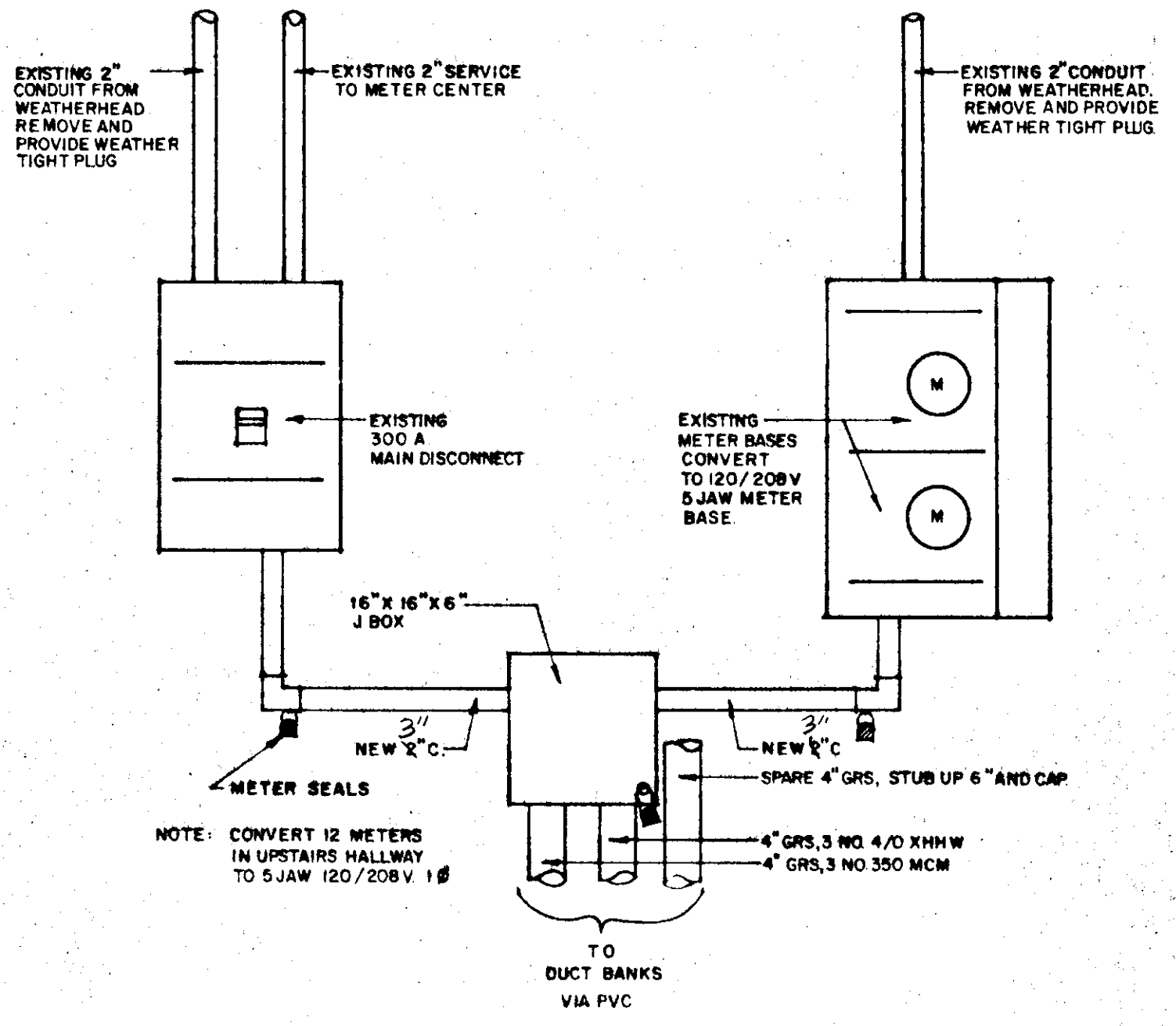
3 RELIABLE TRANSFER SERVICE  
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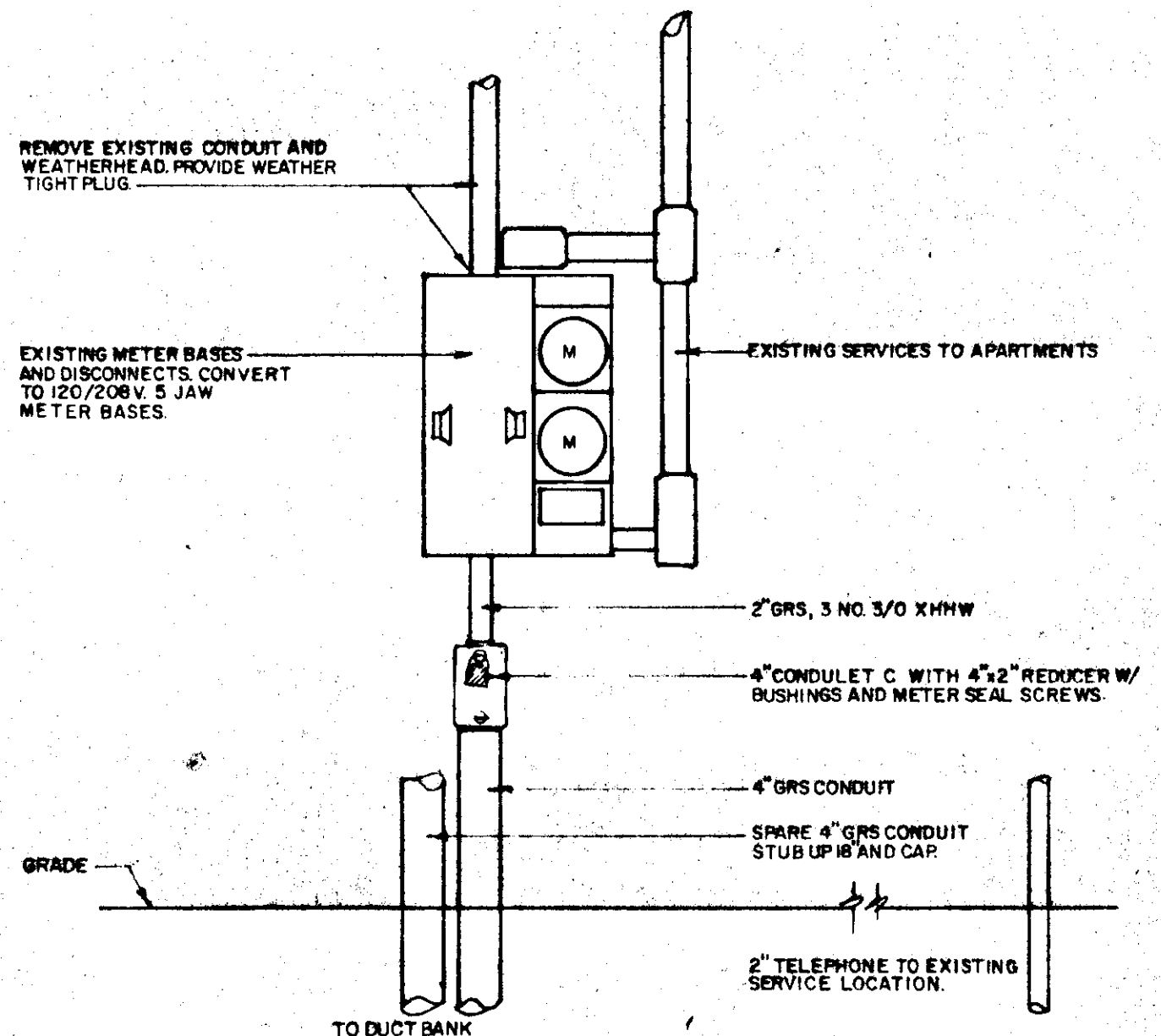
4 PARKS AND RECREATION WHS SERVICE  
E-15



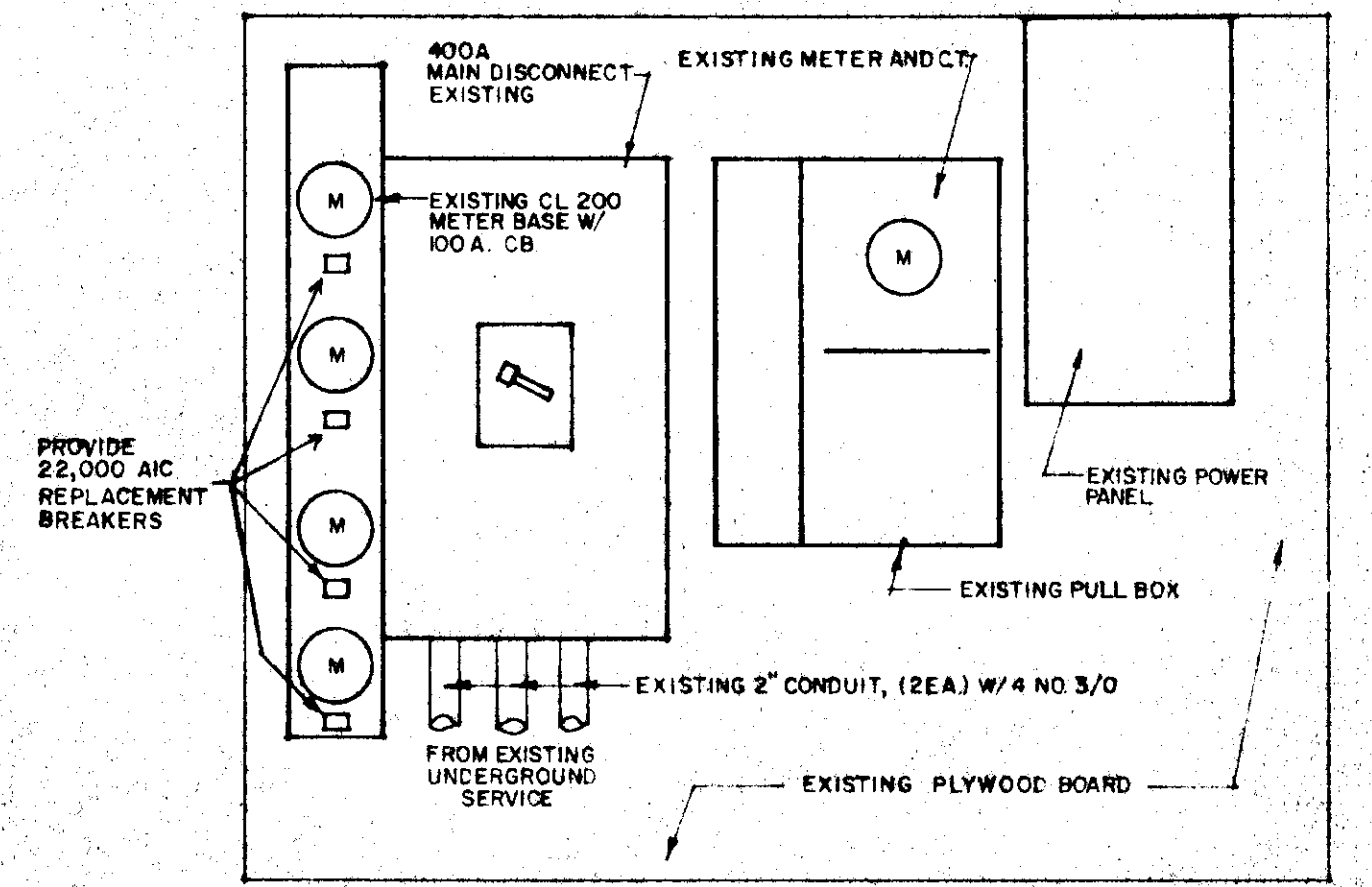
5 BUILDING 407 SERVICE ELEVATION  
E-15



6 ALASKA DISCOVERY SERVICE ELEVATION  
E-15

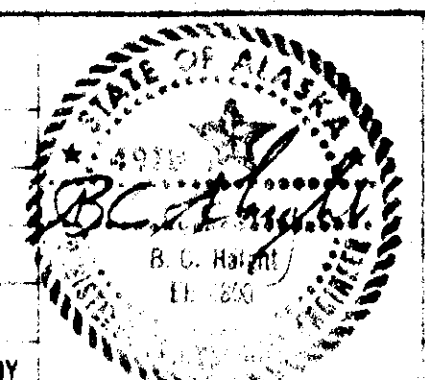


7 BUILDING 411 SERVICE ELEVATION  
E-15



8 FRANKLIN BUILDING SERVICE ELEVATION  
E-15

STATUS DATE PRINTED



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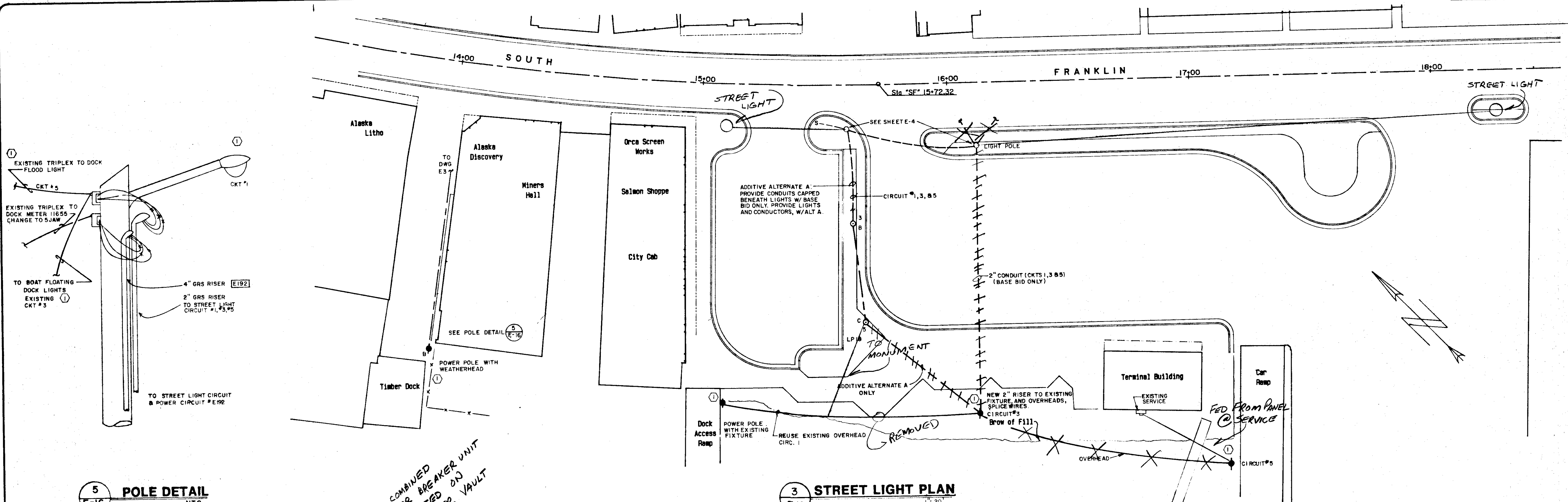
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SOUTH FRANKLIN STREET  
PHASE III

SERVICE DETAILS

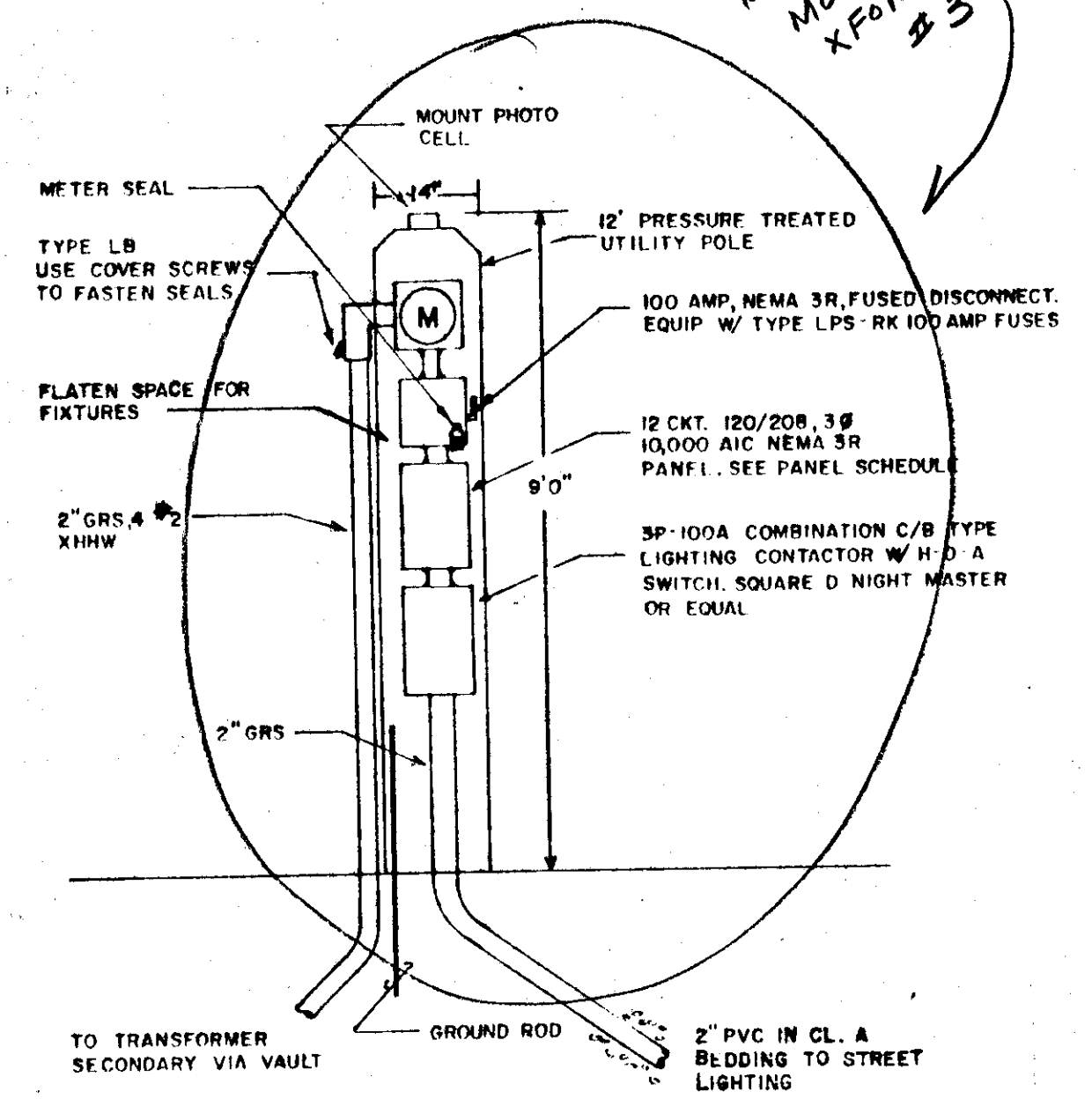
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E-15

SHEET NO.  
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DATE REVISIONS BY DRAWN BY: SHS DESIGNED BY: CHECKED BY: PCH DATE: OCTOBER 1986 JOB NO.: E 87-007 SCALE:



**5 POLE DETAIL**  
E-16 NTS

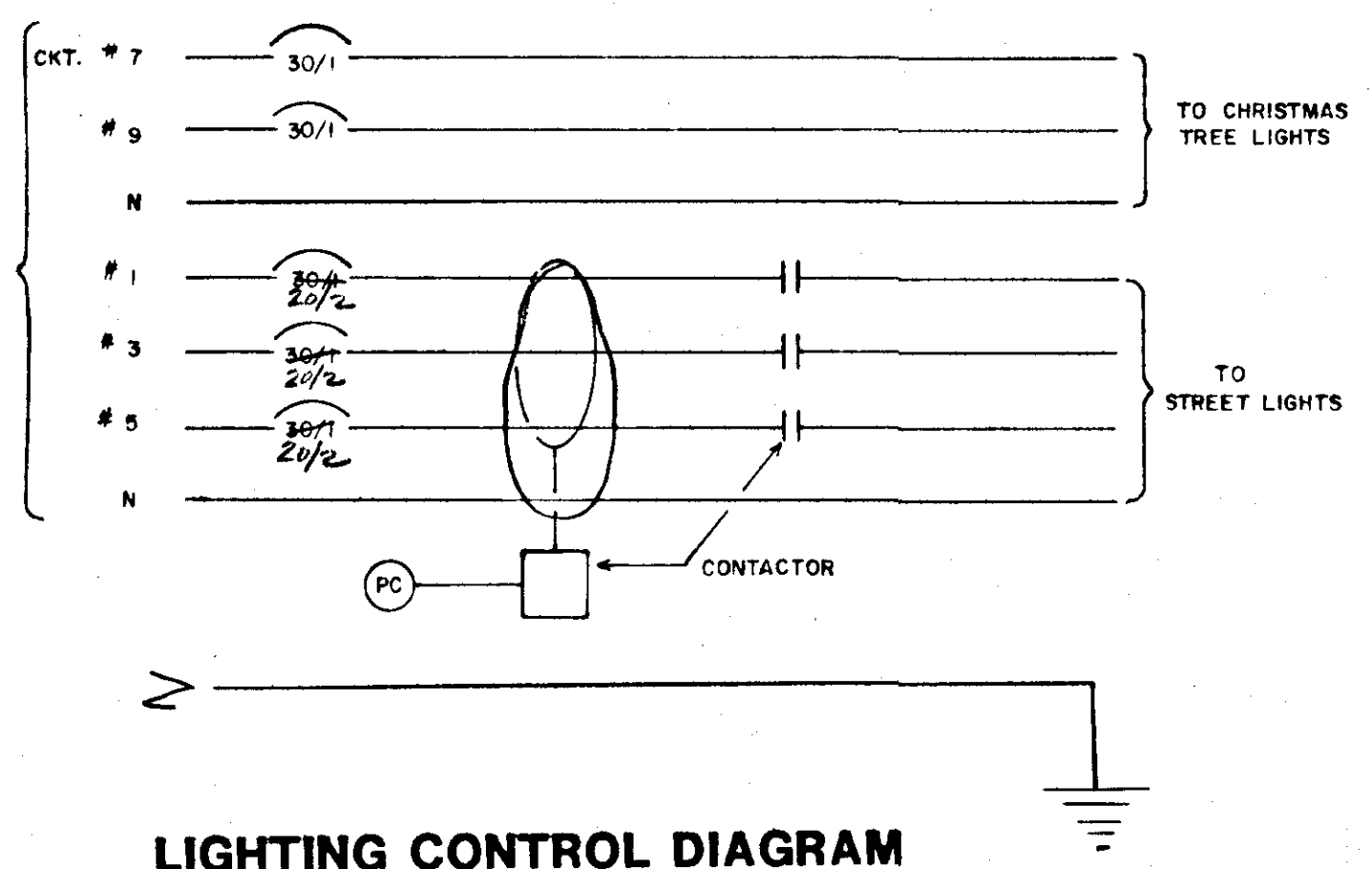
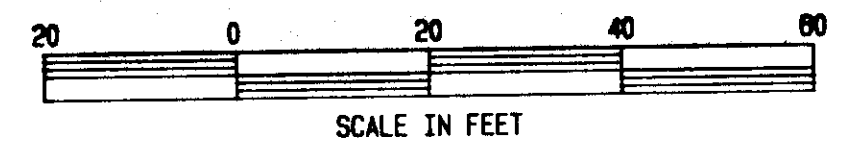


**1 STREET LIGHT CONTROL DETAIL**  
E-16 NTS

**3 STREET LIGHT PLAN**  
E-16 1" = 20'

**NOTES**

- ① VERIFY EXISTING FIXTURES FOR COMPATIBILITY WITH 120 VOLT STREET LIGHT SYSTEM, AND REPLACE FIXTURE, BALLAST AND/OR LAMPS AS REQUIRED. USE H.P.S. REPLACEMENTS 1/2 M.V. WATTAGE.
- ② DETAIL NOS. 2, 3, & 4 WERE NOT USED THIS SHEET.

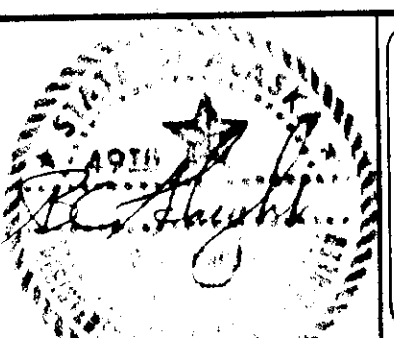


**LIGHTING CONTROL DIAGRAM**  
NTS

PANEL	WIRE #1 CKT. INO. / INO. I SIZE	DESCRIPTION	BREAKER AMP / POLE	VOLTS-PHASE			MAIN M.L.O. S/N	LOCATION SEE DETAIL	MOUNT SURFACE
				AD	BD	CD			
1	4 #2	STREET LIGHTS PHASE A *	30/1	12.1	12.1		20/1	SPARE- CHRISTMAS TREE LIGHTS	2
3		STREET LIGHTS PHASE B *		12.1	12.1		20/1	SPARE- " " "	4
5		STREET LIGHTS PHASE C *	20/2	12.1		12.1		SPACE	6
7	3 #2	CHRISTMAS LIGHTS #1 *		1.3	1.3				8
9		CHRISTMAS LIGHTS #2 * SPACE		1.3	1.3				10
11		SPACE							12
6.9 KVA = 25 AMPS, 208V, 3 PHASE				3.4	3.4	12.1			

\* SEE ONE LINE DIAGRAM FOR CONDUCTOR ARRANGEMENT

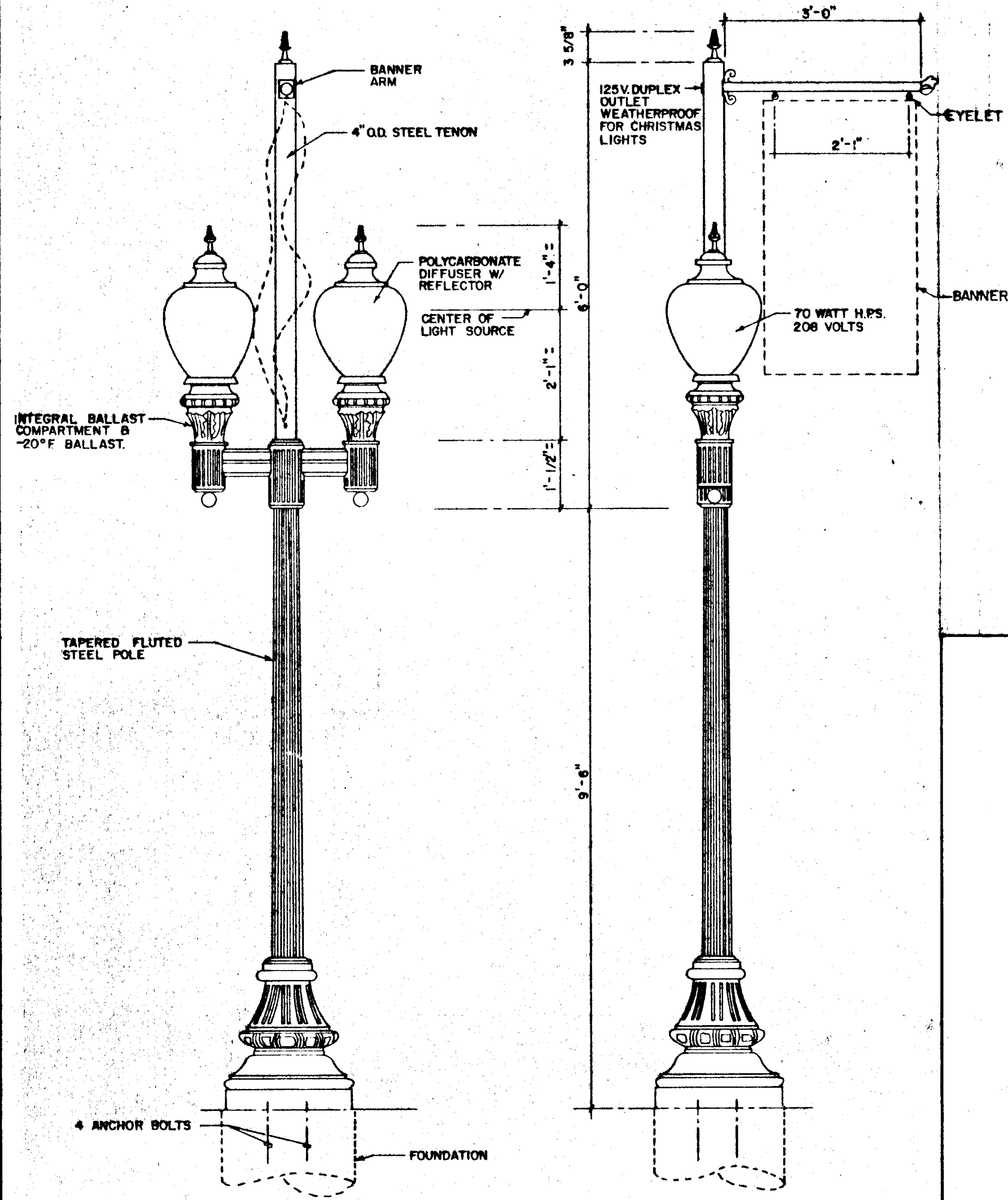
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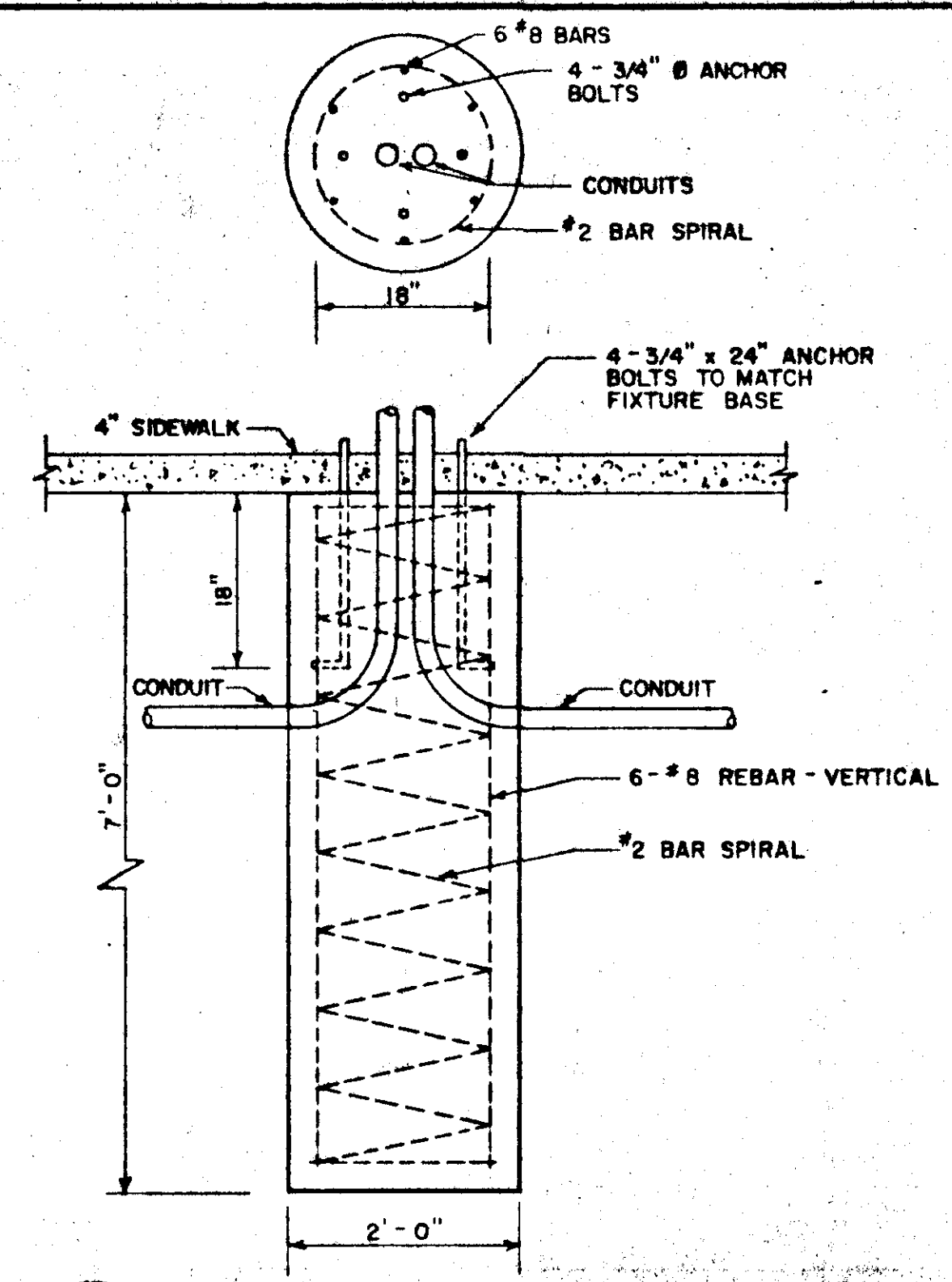
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CITY & BOROUGH OF JUNEAU  
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SOUTH FRANKLIN STREET  
PHASE III

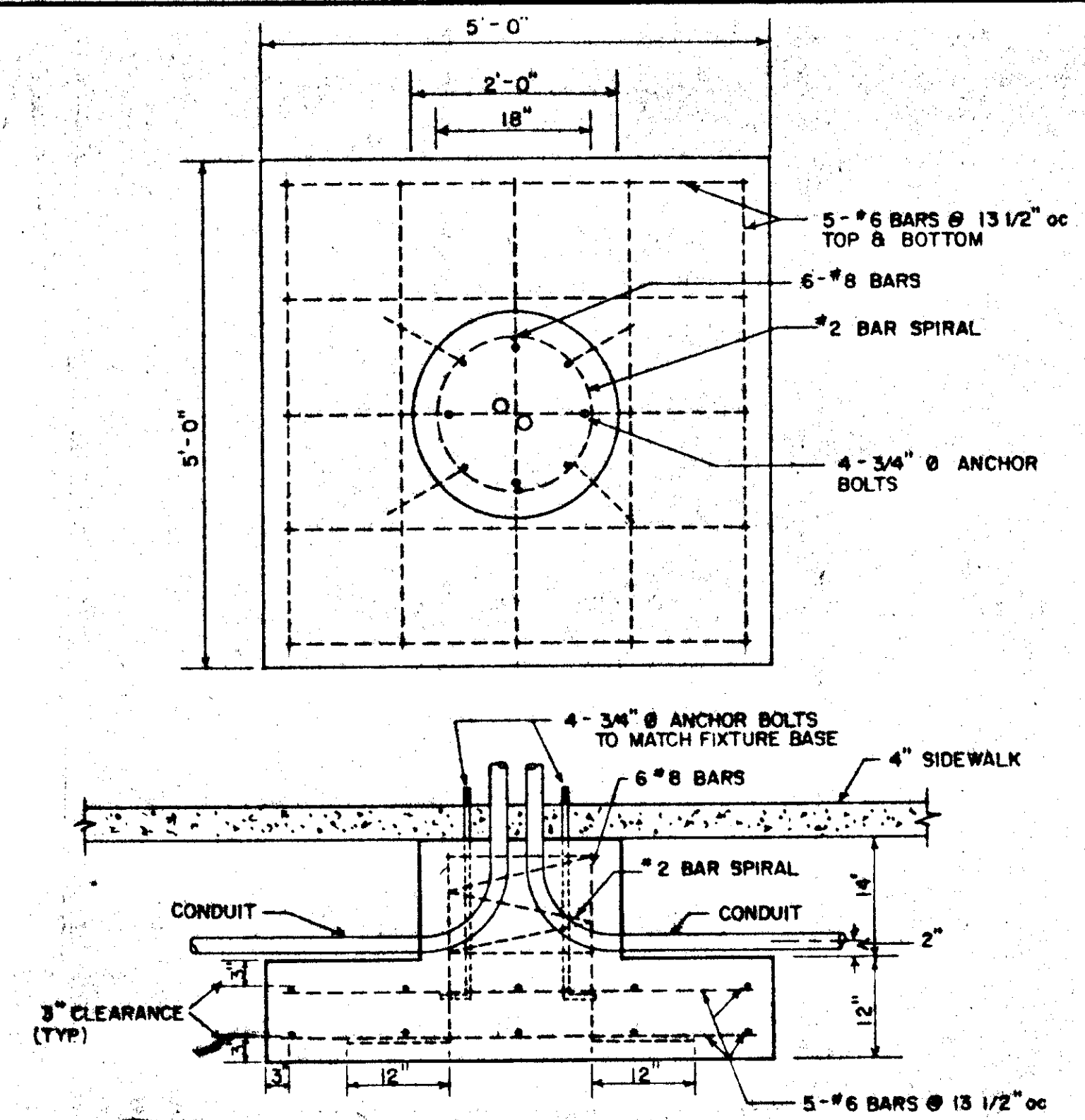
**DOCK AREA PLAN & DETAILS**



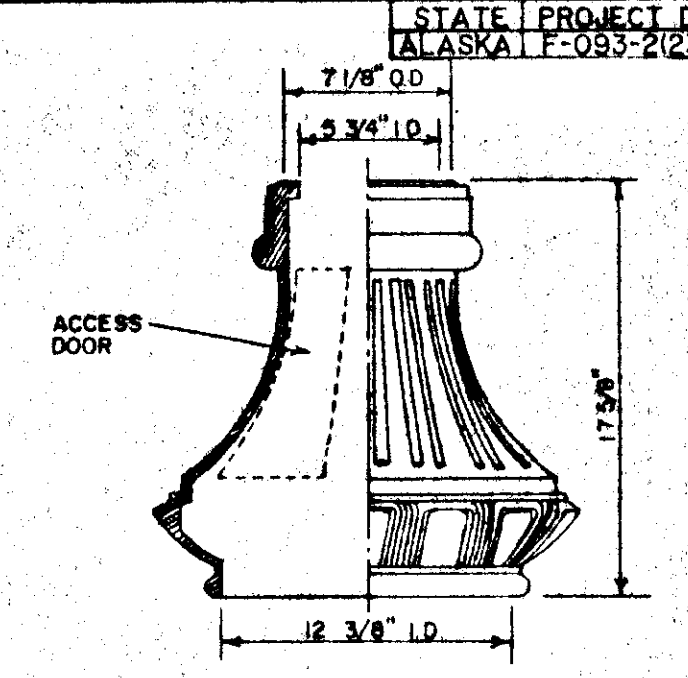
**1 LIGHTING STANDARD ELEVATION**  
E-17



**2 LIGHTING STANDARD BASE DETAIL 'A'**  
E-17

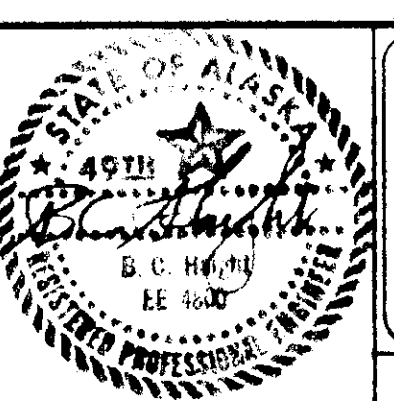


**3 LIGHTING STANDARD BASE DETAIL 'B'**  
E-17



**4 LIGHTING STANDARD BASE**  
E-17

STATUS	DATE PRINTED
DATE	REVISIONS



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DESIGNED BY: SHS  
CHECKED BY: BCH

CITY & BOROUGH OF JUNEAU  
ALASKA DOT/PF  
SOUTH FRANKLIN STREET  
PHASE III

**STREET LIGHT**

DATE: OCTOBER 1988  
JOB NO.: E 87-007  
SCALE:

DRAWING NO.  
**E-17**

SHEET NO.  
**44 of 45**

*Red 1/100*

