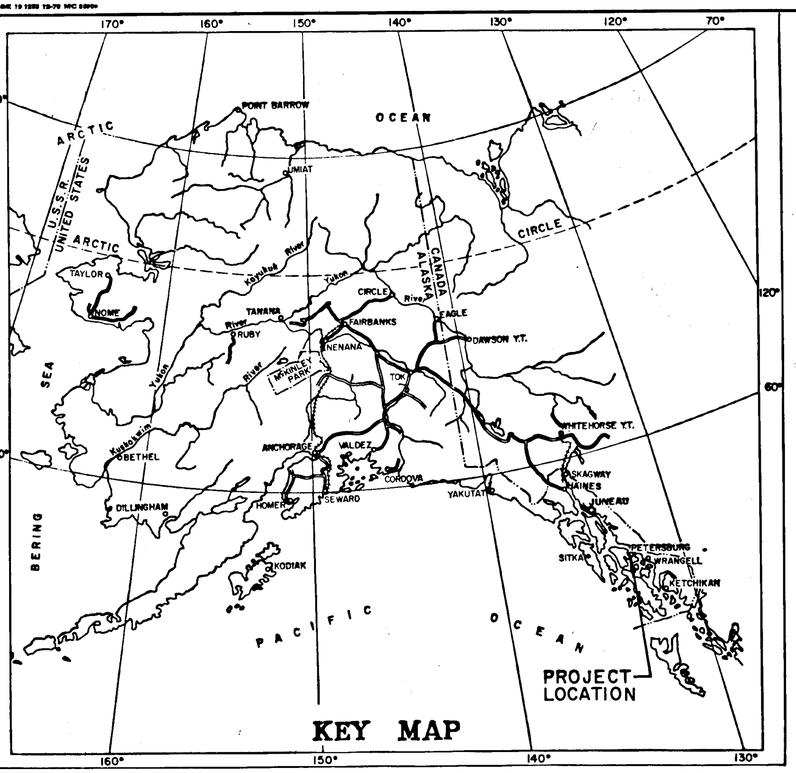
STATE	PROJECT	SHEET NO.	TOTAL SHEETS
ALASKA	RS 0937(19) B 59862	1	29

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

PLAN AND PROFILE
PROPOSED HIGHWAY PROJECT
RS 0937(19)
(B 59862) (R 30131)

PETERSBURG
MAIN STREET

GRADING, PAVING, DRAINAGE, LIGHTING AND WATERLINE



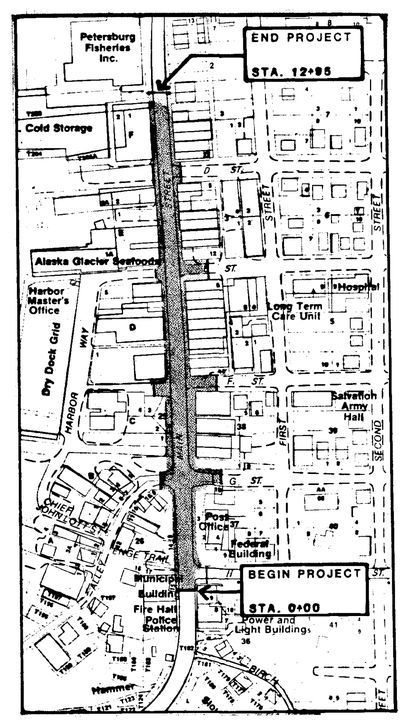
KEY MAP

INDEX OF SHEETS	
1	TITLE SHEET
2-3	TYPICAL SECTION
4	ESTIMATE OF QUANTITIES
5	TRAFFIC CONTROL PLAN
6	QUARRY SITE
7-9	DEMOLITION
10-12	PLAN AND PROFILE
13-15	INTERSECTION DETAILS
16-17	ALTERNATE "B" PLAN
18-24	UTILITIES
25-27	SIGNING, STRIPING, & ILLUMINATION
28-29	BEAUTIFICATION DETAILS

"As-Builts"

CONTRACTOR: Red Samm Const., Inc.
PROJ. ENG.: John Edwards & Chuck Correa
PROJECT BEGAN: July 19, 1985
PROJECT COMPLETED: July 9, 1986

THE ATTACHED STANDARD STATE OF ALASKA DEPARTMENT OF TRANSPORTATION DRAWINGS SHALL APPLY TO THIS PROJECT: C-01.01, C-02.00, C-03.01, C-04.00, D-04.01, D-05.01, D-20.01, D-23.00, D-26.01, I-20.00, L-23.00, L-30.00, M-16.00, S-00.00, S-05.00, S-20.00, S-30.01, T-20.00, T-21.00, U-03.00



N

PROJECT SUMMARY	
WIDTH OF PAVEMENT	= 42' - 44'
LENGTH OF PAVEMENT	= 1295' = 0.245 MI
LENGTH OF GRADING	= 1295' = 0.245 MI
LENGTH OF PROJECT	= 1295' = 0.245 MI

DESIGN DESIGNATION

"H" ST. TO P.F.I.

ADT (1984)	5151
ADT (2005)	6911
DHV (11%)	760
%T	5
V	30 MPH
TRAFFIC INDEX	8.0

STATE OF ALASKA 49TH P. Bednarowicz CE-5104 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
W.F. Bonnyclaer Date 4/19/85
Southeastern Region Design Chief

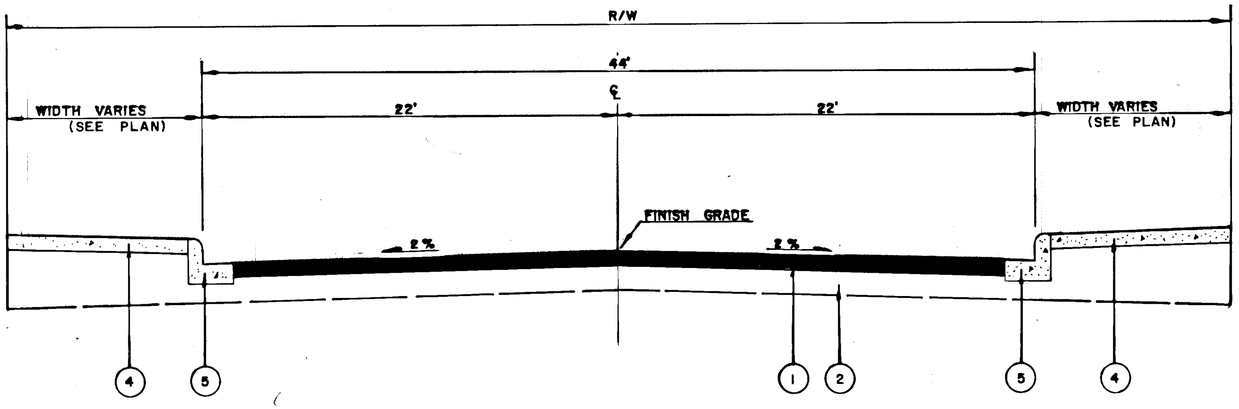
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

APPROVED
D.D. Dieckmeyer Date 4-19-85
Director, Southeastern Region Design & Construction

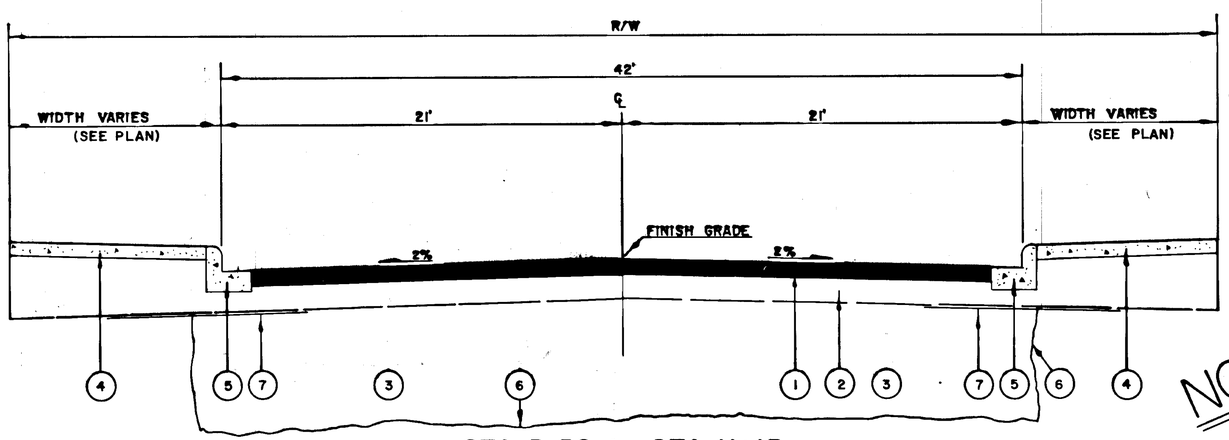
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	2	29

TYPICAL SECTIONS OF IMPROVEMENTS

ALTERNATE "A" TYPICAL MAIN STREET SECTION

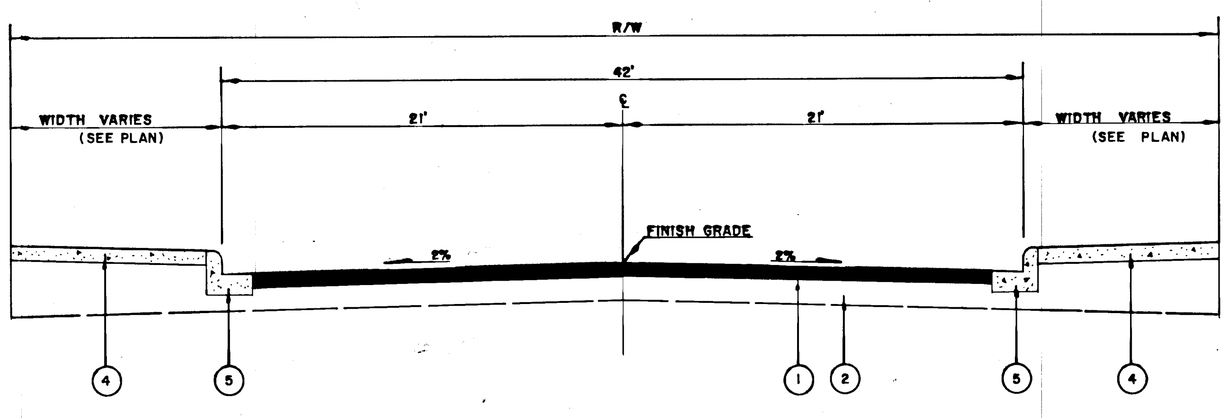


STA. 0+00 to STA. 5+50



STA. 5+50 to STA. 11+15

NOT CONSTRUCTED



STA. 11+15 to STA. 12+95

GENERAL NOTES

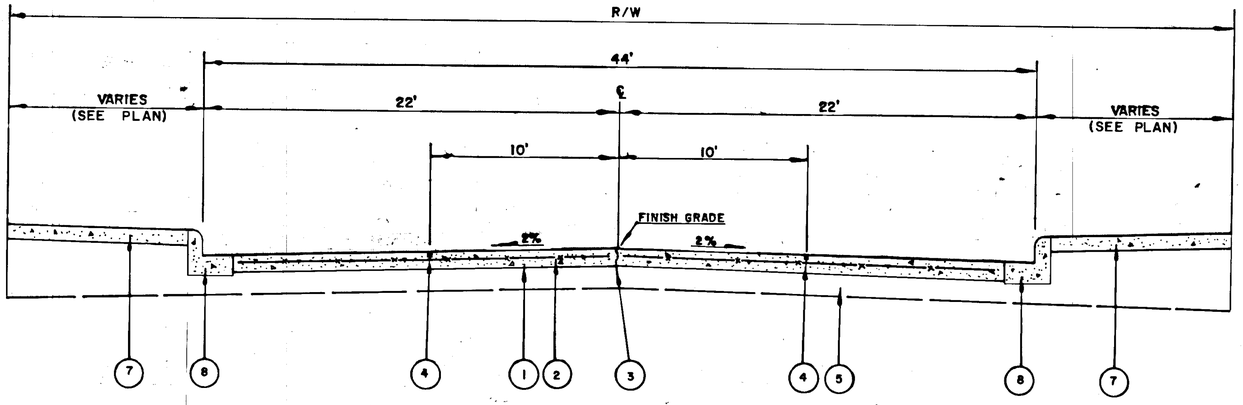
1. VERTICAL AND HORIZONTAL ALIGNMENTS SHOWN ON THESE PLANS ARE SUBJECT TO MINOR FIELD REVISIONS.
2. ALL WASTE MATERIAL SHALL BE DISPOSED OF OUTSIDE THE RIGHT-OF-WAY LIMITS SHOWN ON THE PLANS AT A LOCATION SELECTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
3. THE LIMITS OF PEAT EXCAVATION SHALL BE VERTICAL LINES PROJECTED FROM THE BACK OF THE PROPOSED CURB LINE TO THE BOTTOM OF THE PEAT. ALL EXCAVATED PEAT MATERIAL SHALL BE CONSIDERED WASTE.
4. AERIAL FACILITIES, ELECTRICAL, TELEPHONE, AND CABLE TV TO BE RELOCATED BY OTHERS. ELECTRICAL OVERHEAD CROSSINGS TO REMAIN AT STATION 5+20 AND AT STATION 12+65.
5. SIDEWALKS TO BE REMOVED SHALL BE SAW CUT AT THE PROPERTY LINE WHERE SIDEWALK ABUTS THE BUILDINGS OR OTHER STRUCTURES. NEW SIDEWALK SHALL BE CONSTRUCTED TO MATCH EXISTING ENTRYWAYS AT THE PROPERTY LINE. THE SIDEWALK SHALL BE CONSTRUCTED TO DRAIN TOWARD THE CURB. EXISTING ENTRYWAYS SHALL BE RECONSTRUCTED AS NECESSARY TO PREVENT PONDING OF WATER AT THE BACK OF THE SIDEWALK.
6. EXISTING PAVEMENT SHALL BE SAW CUT AT LIMITS OF PAVEMENT REMOVAL. EXISTING PAVEMENT SHALL BE SAW CUT AT JOINTS WITH NEW PAVEMENT.

STATE OF ALASKA
49TH
P. Bednarowicz
CE-5404
REGISTERED PROFESSIONAL ENGINEER

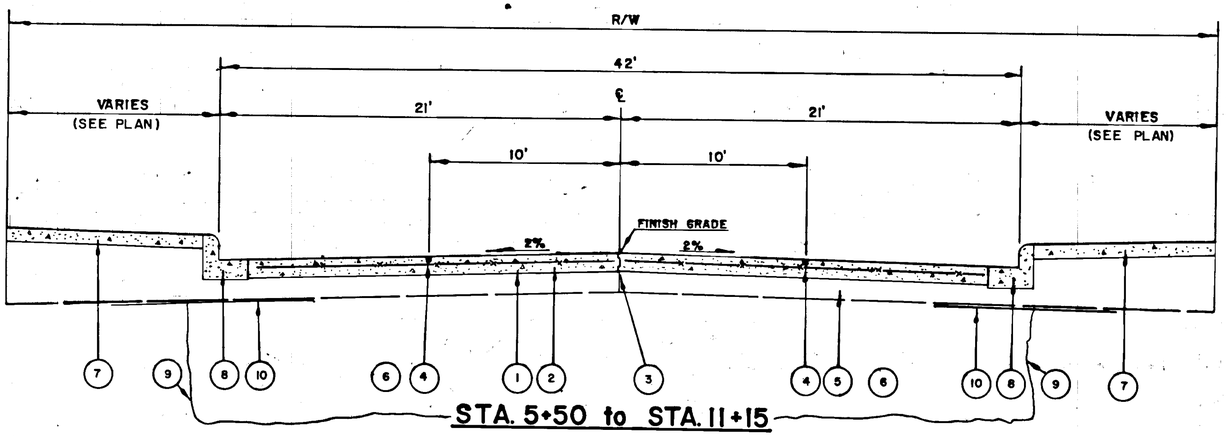
LABELING INDEX

1. 4" HOT ASPHALT PAVEMENT
2. 6" CRUSHED AGGREGATE BASE COURSE
3. EMBANKMENT, TYPE A
4. 4" CONCRETE, CLASS A (6" DRIVEWAY)
5. CURB AND GUTTER, STANDARD
6. APPROXIMATE LIMITS OF PEAT AND/OR UNCLASS. EXC.
7. FILTER FABRIC (6.25' WIDTH)

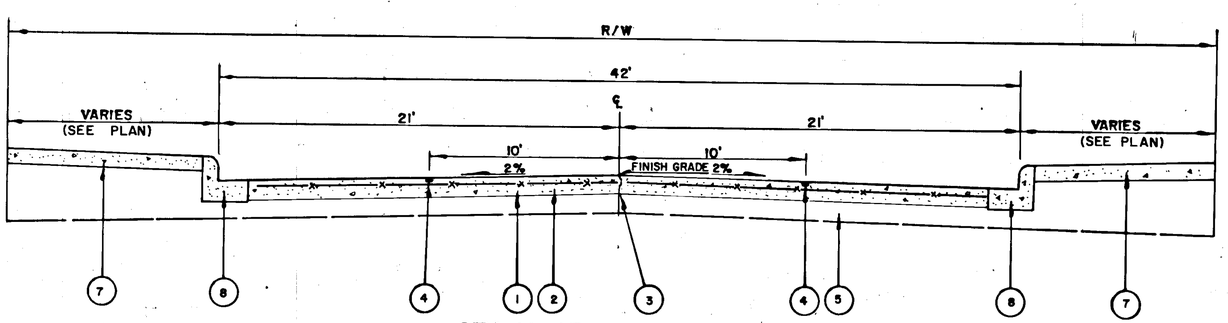
ALTERNATE "B" TYPICAL MAIN STREET SECTION



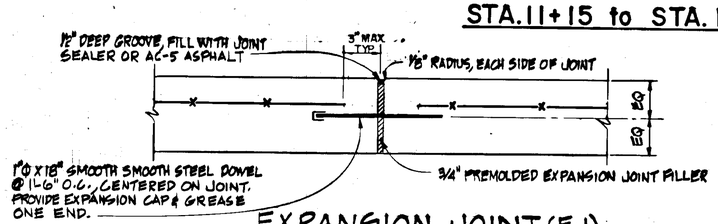
STA. 0+00 to STA. 5+50



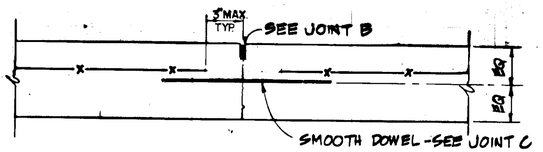
STA. 5+50 to STA. 11+15



STA. 11+15 to STA. 12+95



EXPANSION JOINT (EJ)
(TRANSVERSE)
N.T.S.



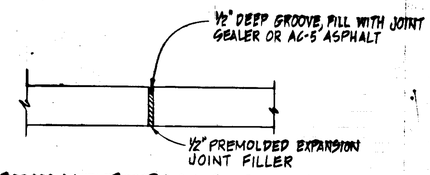
JOINT D
(TRANSVERSE CONTRACTION JOINT)
N.T.S.

LABELING INDEX

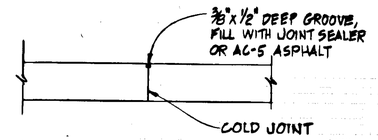
1. 6" CONCRETE PAVEMENT
2. W.W.F. 6x6
3. JOINT A
4. JOINT A OR B
5. 6" CRUSHED AGGREGATE BASE COURSE
6. EMBANKMENT, TYPE A
7. 4" CONCRETE, CLASS A (6" DRIVEWAY)
8. CURB AND GUTTER, STANDARD
9. APPROXIMATE LIMITS OF PEAT AND/OR UNCLASS. EXC.
10. FILTER FABRIC (6.25' WIDTH)

STATE	PROJECT DESIGNATION	YEAR	SHEET NO	TOTAL SHEETS
ALASKA	RS-0937(19)	85	3	29

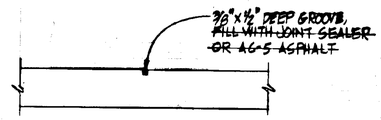
TYPICAL SECTIONS OF IMPROVEMENTS



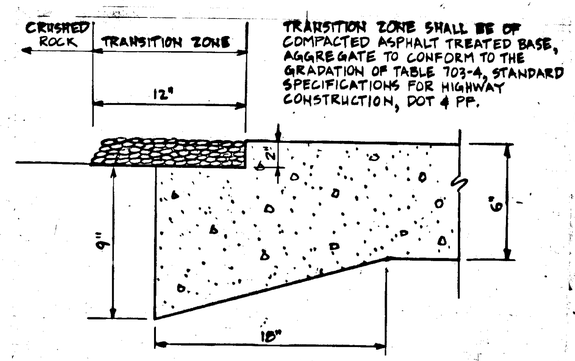
SIDEWALK EXPANSION JOINT
N.T.S.



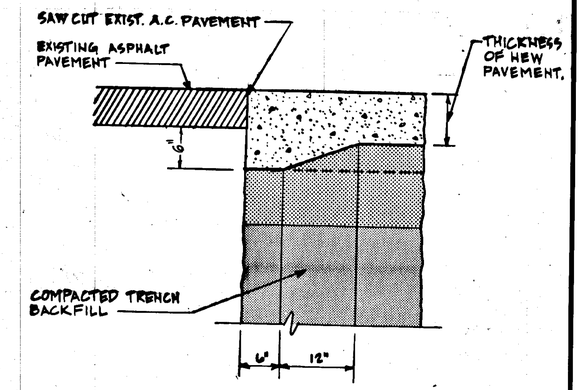
SIDEWALK CONSTRUCTION JOINT
N.T.S



SIDEWALK DUMMY JOINT
N.T.S.



CONCRETE TO GRAVEL TRANSITION
N.T.S.

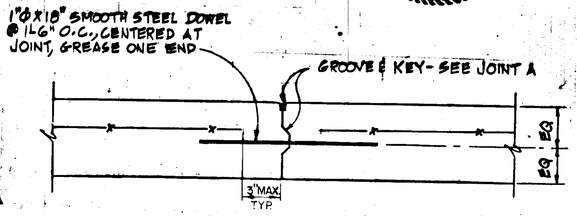


CONCRETE TO ASPHALT JOINT
N.T.S.

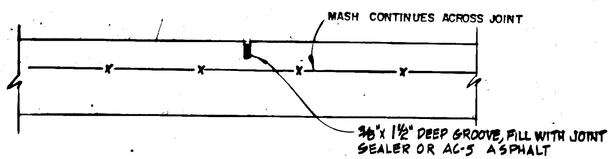
NOTES

1. SIDEWALK EXPANSION JOINTS SHALL BE OPPOSITE EXPANSION JOINTS IN ADJOINING CURB AND GUTTER AND AT 30' NOMINAL SPACING. DUMMY JOINTS SHALL BE EQUALLY SPACED BETWEEN EXPANSION JOINTS - SPACING SHALL NOT EXCEED 6'.
2. PREMOLDED EXPANSION JOINT MATERIAL 1/2" THICK SHALL BE PLACED LONGITUDINALLY WHERE SIDEWALK ABUTTS CONCRETE STRUCTURES, CURB & GUTTER, EXISTING SIDEWALKS, & BUILDINGS, ECTS.

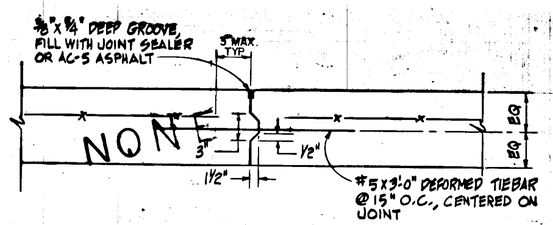
STATE OF ALASKA 4978 P. Bednarowicz CE-5106 REGISTERED PROFESSIONAL ENGINEER



JOINT C
(TRANSVERSE CONSTRUCTION AND CONTRACTION JOINT)
N.T.S.



JOINT B
LONGITUDINAL DUMMY JOINT
N.T.S.



JOINT A
(LONGITUDINAL CONSTRUCTION JOINT)
N.T.S.

ESTIMATE OF QUANTITIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-093(19)	85	4	29

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	SHEET NUMBER 7	8	9	10	11	12	16	17	19	20	21	25	26	28	29	UTILITIES TOTAL	ROADWAY TOTAL	ROADWAY TOTAL	$
109(2)	WBE and DBE Adjustments	C.S.																	ALL REQ'D		
110(1)	Mobilization & DEMOBILIZATION	L.S.																ALL REQ'D	All Req'd.		89,000.00
111(1)	Temporary Erosion & pollution control	C.S.																	All Req'd.		-0-
113(1)	Flagging	Man Hour																255.0	~~300~~	253.5	21,957.00
114(1)	Construction Surveying by the contractor	L.S.																ALL REQ'D	All Req'd.		10,000.00
115(1)	Traffic Maintenance	L.S.																ALL REQ'D	All Req'd.		14,000.00
115(2)	Construction Signs	L.S.																	All Req'd.		24,000.00
116(1)	Furnish & Maintain Field Office	L.S.																	All Req'd.		6,000.00
116(2)	" " " " Laboratory	L.S.			DELETED	BY	E.W.O.	#1											All Req'd.		-0-
114(1A)	ADDITIONAL CONSTRUCTION SURVEYING BY THE CONTRACTOR EWO#2	L.S.																	ALL REQ'D		1,535.00
202(3A)	REconstruct Entryways EWO#11	L.S.																	ALL REQ'D		835.00
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.																	ALL REQ'D		15,000.00
202(2)	REMOVAL OF PAVEMENT	S.Y.	939	2818	2483														~~6210~~	6,744	33,720.00
202(3)	REMOVAL OF SIDEWALK	S.Y.	196	1006	728														~~1930~~	1,912	19,120.00
202(8)	REMOVAL OF CURB AND GUTTER	L.F.	340	1120	940														~~2400~~	2357	7,071.00
207(7A)	REMOVAL OF INLET AND PIPE EWO# 13	LS																	ALL REQ'D	ALL REQ'D	576.00
603(A)	REPAIR ROOF DRAINS AT TRADING UNION EWO # 5	LS																	ALL REQ'D	ALL REQ'D	159.00
203(3)	UNCLASSIED EXCAVATION	C.Y.				240	2662	3578											~~6490~~	5,619	44,752.00
603(B)	PERF. UNDERDRAIN AT STA. 12+90 EWO # 6	L.S.																		ALL REQ'D	1,185.00
603(C)	STORM DRAIN CONNECTION EWO # 10	L.S.																		ALL REQ'D	2,027.00
203(8)	EMBANKMENT, TYPE A	C.Y.					1961	3089											~~5050~~	3042	30,420.00
207(3)	Filter Cloth	S.Y.					~~292~~	~~503~~											~~785~~	310	930.00
301(2)	CRUSHED AGGREGATE BASE COURSE	C.Y.				241	879	770											~~1890~~	2,122.2	63,666.00
604(A)	RECONSTRUCT INLET BOX EWO #14	L.S.																		ALL REQ'D	274.00
	PAVEMENT ALTERNATE "A"																				
401(1)	ASPHALT CONCRETE, TYPE II	TON				223	669	601											~~1493~~	N/A	
401(2)	ASPHALT CEMENT, AC-5	TON				13.5	40.1	36.0											89.6	N/A	
608(11-4A)	LOWER PARAPET WALL EWO # 17	LS																		ALL REQ'D	395.00
626(A)	SEWER LATERAL AT STA. 12+00 EWO # 12	LS																		ALL REQ'D	3,094.00
	PAVEMENT ALTERNATE "B"																				
510(1)	PORTLAND CEMENT CONCRETE PAVEMENT	S.Y.							960	5473									~~6433~~	6,675.4	277,029.10
626(2)	SEWER SERVICE UPGRADE EWO #23	L.S.																ALL REQ'D		ALL REQ'D	2,250.00
603(13-8)	8-INCH CORRUGATED ALUMINUM PIPE	L.F.										87	134						~~221~~	143	2,860.00
603(13-12)	12-INCH CORRUGATED ALUMINUM PIPE	L.F.										291	220						~~511~~	600	18,000.00
603(13-18)	18-INCH CORRUGATED ALUMINUM PIPE	L.F.										135	183						~~318~~	377	13,101.00
603(13-24)	24-INCH CORRUGATED ALUMINUM PIPE	L.F.										280	478						~~758~~	774	27,090.00
628(2-10A)	REPLACE 10" TRANSITE LINE EWO #9	L.S.																ALL REQ'D			1,738.00
604(1)	STORM SEWER MANHOLE	EACH										1	3						~~4~~	5	15,000.00
604(4)	ADJUST EXISTING MANHOLES	EACH										5	6						11		5,500.00
604(5A)	INLETS, TYPE A	EACH										4	8						~~12~~	11	22,000.00
604(5B)	INLETS, FIELD	EACH										2	5						7		10,500.00
605(6)	UNDERDRAIN REPAIR EWO #20	L.S.																		ALL REQ'D	334.00
608(1-4)	CONCRETE SIDEWALK, 4-INCH DEPTH	S.Y.				152	897	756											~~1805~~	1922.7	57,681.00
608(1-6)	CONCRETE SIDEWALK, 6-INCH DEPTH	S.Y.				25	58	49											~~132~~	136.4	5,456.00
609(2)	CURB AND GUTTER, STANDARD	L.F.				616	1102	910											~~2628~~	2,532.4	50,648.00
614(3)	ADJUST EXISTING MONUMENT AND CASES	EACH				1	4	3											8		
615(1)	STANDARD SIGNS	S.F.												10.75	131.50				~~142.25~~	143.8	7,190.00
621(5)	PLANTING TREES	EACH															5		5		1,250.00
628(2-18A)	INSTALL 11¼° BEND EWO #3	L.S.																ALL REQ'D			4,284.00
628(2-18B)	OUT OF ROUND 18" D.I. PIPE EWO #8	L.S.																ALL REQ'D			3,455.00
629(1)	Watering	M gal																	~~50~~	9.8	490.00
628(9-1A)	REPAIR 1" WATER SERVICE EWO #4	L.S.																ALL REQ'D			70.00
628(7-1½A)	REPAIR 1½" WATER SERVICE EWO #19	L.S.																ALL REQ'D			319.00
628(2-6)	6-INCH DUCTILE IRON WATER CONDUIT	L.F.									41	516	516				1048.1	→ ~~1073~~			31,443.00
628(2-8)	8-INCH DUCTILE IRON WATER CONDUIT	L.F.											72				135.6	→ ~~72~~			6,780.00
628(2-10)	10-INCH DUCTILE IRON WATER CONDUIT	L.F.										16						~~16~~ 41			2,460.00
628(2-14)	14-INCH DUCTILE IRON WATER CONDUIT	L.F.											30					~~3057.7~~			4,616.00
628(2-18)	18-INCH DUCTILE IRON WATER CONDUIT	L.F.									231	573	541				1322.7	~~1345~~			52,908.00
628(4)	INSTALL VALVE BOX	EACH									6	22	18					~~4645~~			4,500.00
628(6)	FIRE HYDRANT INSTALLATION	EACH									1	2	5					8			9,600.00
628(8)	FIRE HYDRANT REMOVAL	EACH										2	4					6			3,600.00
628(9-¾)	3/4-INCH WATER SERVICE CONNECTION	EACH									1	2	8					11			11,000.00
628(9-1)	1-INCH WATER SERVICE CONNECTION	EACH										6	1					7			7,000.00
628(9-1½)	1-½-INCH WATER SERVICE CONNECTION	EACH										2	3					~~5~~ 6			7,200.00
628(9-2)	2-INCH WATER SERVICE CONNECTION	EACH									1		2					~~3~~ 6			9,000.00
628(10-14)	INSTALL 14-INCH BUTTERFLY VALVE	EACH											1					1			600.00
628(10-6)	INSTALL 6-INCH GATE VALVE	EACH									2	16	13					~~31~~ 32			9,600.00
628(10-8)	INSTALL 8-INCH GATE VALVE	EACH									1	2						~~3~~ 1			400.00
628(10-10)	INSTALL 10-INCH GATE VALVE	EACH									1							1			500.00
628(10-18)	INSTALL 18-INCH BUTTERFLY VALVE	EACH									2	4	5					11			8,800.00
628(11)	ADJUSTMENT OF VALVE BOX	EACH										7	3						~~10~~		1,000.00
628(12)	INSTALL METER BOX AND METER	EACH										3	4					~~7~~ 8			8,000.00
628(13)	ADJUSTMENT OF METER BOX	EACH										1	1						~~2~~ 1		200.00
628(18)	INSTALL DRINKING FOUNTAINS EWO#21	L.S.																ALL REQ'D			1,024.00
635(2)	INSTALL BOARD EWO # 22	L.S.																ALL REQ'D			1,700.00
660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE	L.S.																	ALL REQ'D		85,000.00
660(3A)	REMOVAL OF WOOD POLES & MISC. ELECTRICAL REPAIRS EWO#15	L.S.																		ALL REQ'D	2,913.00
670(1)	PAINTED TRAFFIC MARKINGS	L.S.																	ALL REQ'D		3,500.00
	SUPPLEMENTAL "A" SEE SHEET (28-29)																				
640(1)	COLORED CONCRETE, SIDEWALK	S.F.														706	2770		3476		
641(1)	ARTWORK INLAYS, INSTALLED	EACH														2	18		20		4,000.00
	SUPPLEMENTAL "B" SEE SHEET (28-29)																				
640(2)	COLORED CONCRETE, CROSSWALK	S.F.														318	2436		~~2754~~	2,646	15,876.00
660(9)	UPGRADE EXISTING ELECTRICAL CONDUIT EWO #16	L.S.																		ALL REQ'D	147.00

STATE OF ALASKA 4978 P. Bednarowicz CE-5104 REGISTERED PROFESSIONAL ENGINEER

BASIS OF ESTIMATE

ITEM	FACTORS
401(1)	116 lbs./sq. yd./in depth
401(2)	6% of 401(1)

TRAFFIC CONTROL PLAN

1. The T.C.P. shall be used in conjunction with and in addition to the Standard Drawings, the Standard and Special Provisions.

2. The Contractor shall designate one of his employees whose responsibility shall be the installation and maintenance of all required traffic control devices. All traffic control elements shall be maintained 24 hours a day.

3. The Contractor shall use the following Traffic Control Plan (T.C.P.) during the construction of this project. The Contractor may submit a T.C.P. of his own, however any changes to this T.C.P. will require written approval of the Engineer prior to the beginning of any construction. See section 115 of the Special Provisions for more details.

4. The construction sign summary shown herein is to be used for cost estimating only. Other signs may be required by the Engineer or used at the Contractor's option.

5. All flagging required within the project limits will be paid for under Item 113(1) Flagging.

6. The Contractor shall keep the public advised of his construction activities through use of the local news media. Advance notice of all road closures shall be published in the local newspaper and broadcasted over all local radio and TV stations 3 days prior to the closure.

7. Flagmen shall be provided during those times that two way traffic cannot be maintained.

8. Spacing of cones and drums shall be approved by the Engineer.

9. After the existing roadway has been disturbed the contractor shall keep the roadway in a safe traversable condition, free of rutting or washboarding.

10. The contractor will be allowed to close one block at a time to vehicular traffic. The contractor shall not have two intersections closed simultaneously. The contractor shall not begin reconstruction of any block until the previous block has been paved.

A. Pedestrian access to all businesses shall be maintained during business hours. Emergency vehicle access shall be maintained throughout the length of the project at all times.

B. Prior to closing the roadway to vehicle traffic, the Contractor shall have notified the following agencies and received written approvals.

1. State Troopers - Petersburg Post Commander
2. Chief of Police - City of Petersburg
3. Coordinating Fire Chief - City of Petersburg
4. Director of Public Works - City of Petersburg

C. The Contractor shall go door to door at least 24 hours in advance of any road closures and notify all businesses within the area affected by the closure.

11. Project indentification signing shall be in accordance with the M.U.T.C.D. with the Alaska Supplement.

12. Watering for dust control as directed, on the Airport Quarry Access Road will be paid for under Section 627.

13. The contractor shall coordinate his work with the manager of Icicle Seafoods so as not to interfere with Icicle Seafoods' container trucking operations.

14. Waterline installation will not be restricted to one block at a time. Roadway and lane closures shall follow procedures noted above. Two-Way traffic shall be maintained during non-working hours.

CONSTRUCTION SIGN SUMMARY

NO.	QTY	TYPE	LEGEND	SIZE
1	4	CW20-4	ONE LANE ROAD	48x48
2	4	CW20-1	ROAD CONSTRUCTION 1500 FT.	48x48
3	4	CW20-7A	FLAGMAN SYMBOL 500 FT.	48x48
4	2	CW20-3	ROAD CLOSED 500 FT.	48x48
5	2	CW20-3	ROAD CLOSED 100 FT.	48x48
6	4	CWB-1	** MPH	48x48
7	2	CW21-9	ROUGH ROAD	48x48
8	8	M4-10AR	DETOUR	48x48
9	2	C1-2	END CONSTRUCTION	48x48

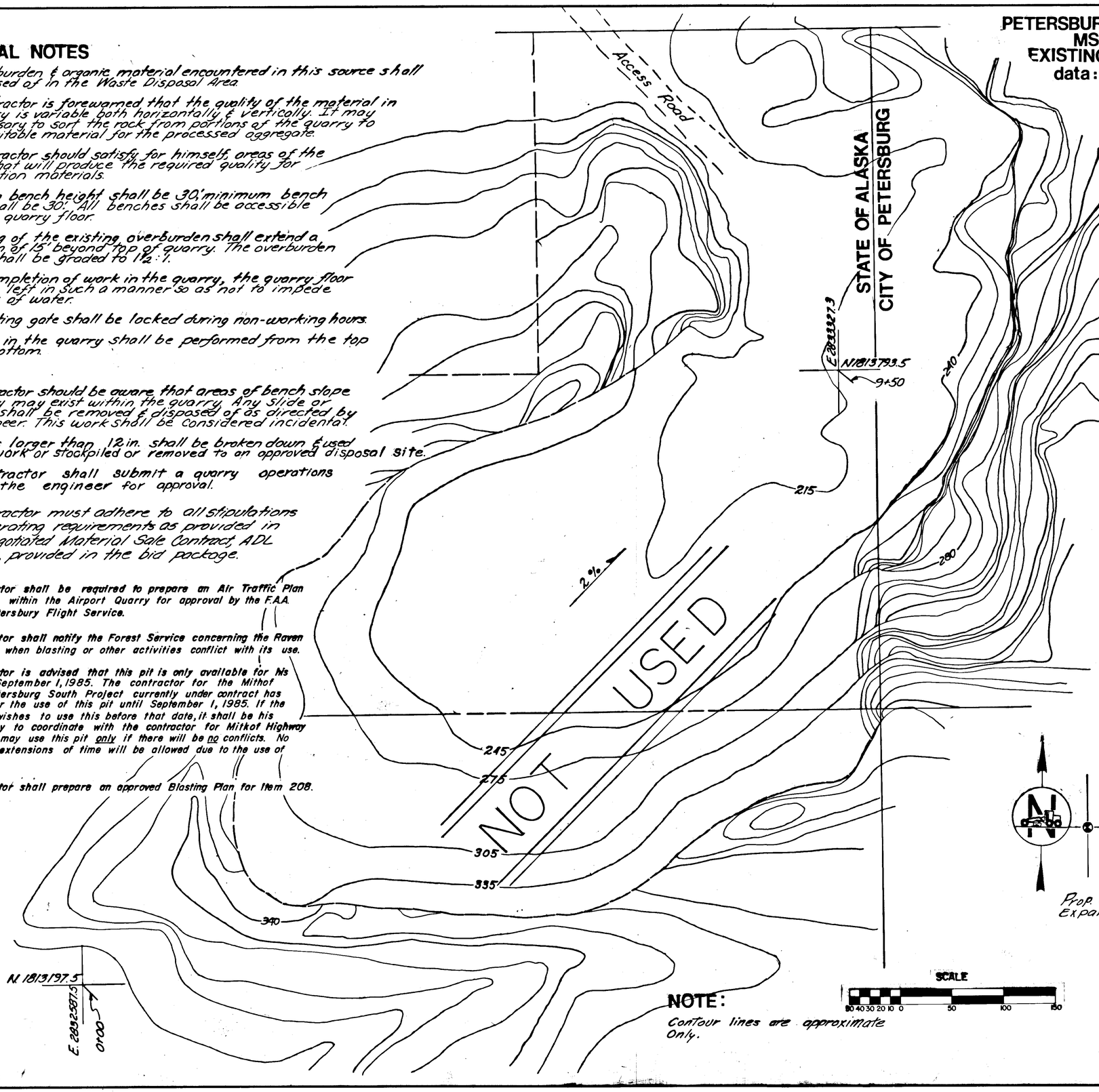
STATE OF ALASKA 49TH
P. Bednarowicz
CE-5104

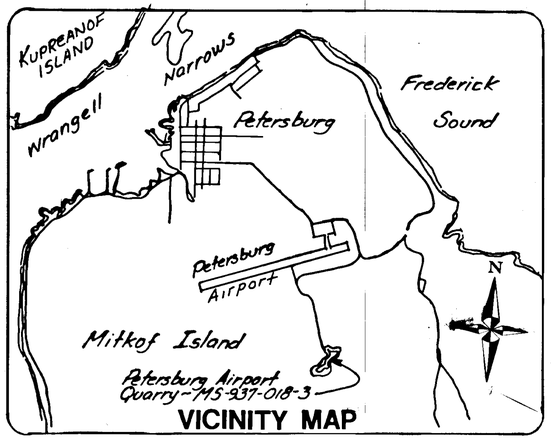
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	6	29

PETERSBURG AIRPORT QUARRY
MS 937-018-3
EXISTING CONTOUR MAP
data: August 1981

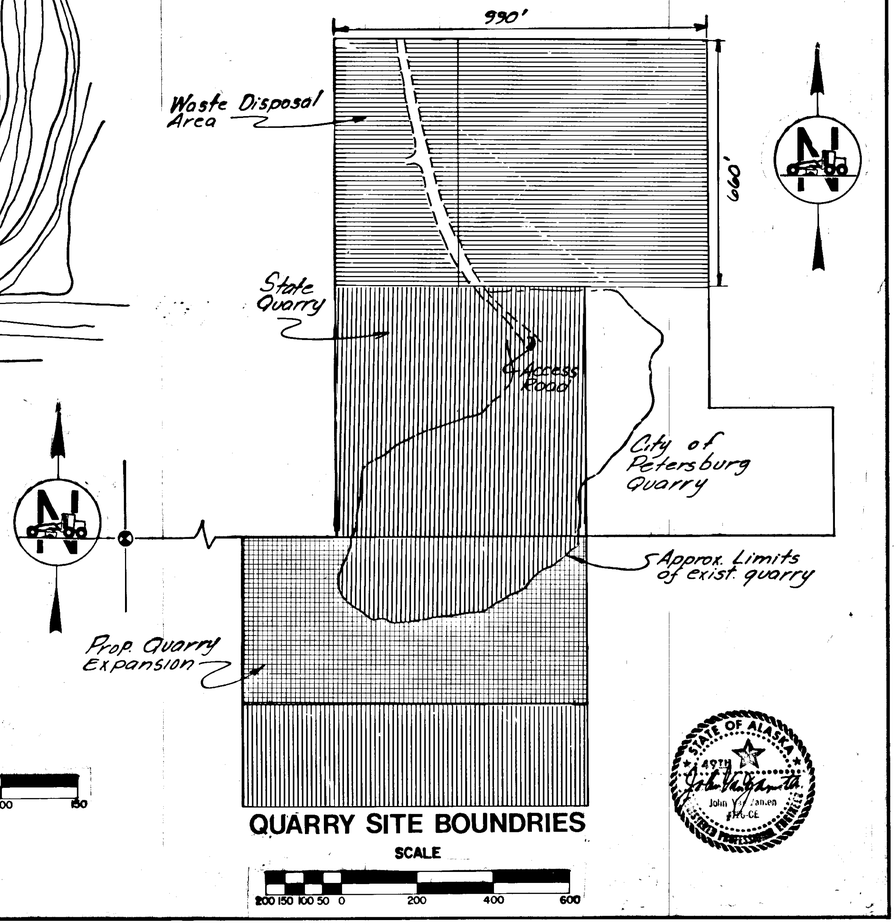
GENERAL NOTES

1. All overburden & organic material encountered in this source shall be disposed of in the Waste Disposal Area.
2. The contractor is forewarned that the quality of the material in the quarry is variable both horizontally & vertically. It may be necessary to sort the rock from portions of the quarry to obtain suitable material for the processed aggregate.
3. The contractor should satisfy for himself, areas of the quarry that will produce the required quality for specification materials.
4. Maximum bench height shall be 30', minimum bench width shall be 30'. All benches shall be accessible from the quarry floor.
5. Stripping of the existing overburden shall extend a minimum of 15' beyond top of quarry. The overburden slopes shall be graded to 1½:1.
6. Upon completion of work in the quarry, the quarry floor shall be left in such a manner so as not to impede the flow of water.
7. The existing gate shall be locked during non-working hours.
8. All work in the quarry shall be performed from the top to the bottom.
9. The contractor should be aware that areas of bench slope instability may exist within the quarry. Any slide or slipouts shall be removed & disposed of as directed by the engineer. This work shall be considered incidental.
10. All rocks larger than 12 in. shall be broken down & used in the work or stockpiled or removed to an approved disposal site.
11. The Contractor shall submit a quarry operations plan to the engineer for approval.
12. The contractor must adhere to all stipulations and operating requirements as provided in the Negotiated Material Sale Contract, ADL 103523, provided in the bid package.
13. The Contractor shall be required to prepare an Air Traffic Plan for blashing within the Airport Quarry for approval by the F.A.A. and the Petersbury Flight Service.
14. The Contractor shall notify the Forest Service concerning the Raven Roost Trail when blasting or other activities conflict with its use.
15. The Contractor is advised that this pit is only available for his use after September 1, 1985. The contractor for the Mithof Highway Petersburg South Project currently under contract has priority over the use of this pit until September 1, 1985. If the Contractor wishes to use this before that date, it shall be his responsibility to coordinate with the contractor for Mitkof Highway South, and may use this pit only if there will be no conflicts. No claims or extensions of time will be allowed due to the use of this pit.
16. The Contractor shall prepare an approved Blasting Plan for Item 208.





VICINITY MAP



QUARRY SITE BOUNDRIES

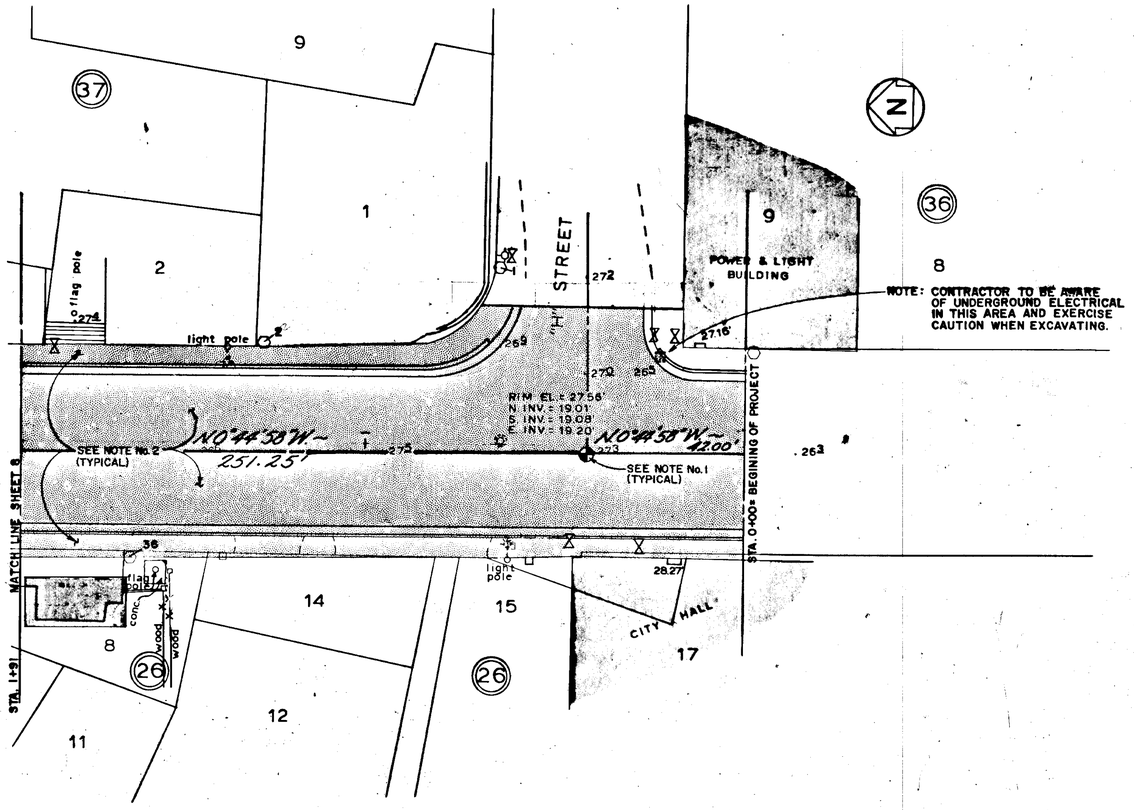
SCALE
200 150 100 50 0 200 400 600

SCALE
80 40 30 20 10 0 50 100 150

NOTE:
Contour lines are approximate only.

STATE OF ALASKA
49TH
John Van Zanten
REGISTERED PROFESSIONAL ENGINEER

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	7	29



SCHEDULE OF EXISTING TRAFFIC SIGNS TO BE REMOVED*

SIGN POST	DESCRIPTION	SIGN POST	DESCRIPTION
1	MAIN ST.	18	ONE HOUR PARKING 8AM-6PM ←→
1	H ST.	19	ONE HOUR PARKING 8AM-6PM MON.-SAT.
1	STOP	20	STOP
2	15 MIN. PARKING MON.-SAT. 8AM-6PM	21	ONE HOUR PARKING 8AM-6PM ←→
3	15 MIN. PARKING MON.-SAT. 8AM-6PM	22	ONE HOUR PARKING 8AM-6PM MON.-SAT.
4	HANDICAPPED PARKING	23	ONE HOUR PARKING 8AM-6PM MON.-SAT.
4	♿ PARKING	24	ONE HOUR PARKING 8AM-6PM MON.-SAT.
5	MAIN ST.	25	STOP
5	G ST.	26	ONE HOUR PARKING 8AM-6PM MON.-SAT.
5	STOP	27	ONE HOUR PARKING 8AM-6PM MON.-SAT.
6	NO PARKING LOADING ZONE	27	LEASH LAW ENFORCED
7	NO PARKING SERVICE AND DELIVERY AREA	28	ONE HOUR PARKING 8AM-6PM MON.-SAT.
8	⊘ NO U TURN	29	⊘ NO U TURN
9	STOP	30	ONE WAY →
10	ONE HOUR PARKING 8AM-6PM MON.-SAT.	30	ONE WAY →
10	LEASH LAW ENFORCED	30	24 HOUR PARKING LIMIT
11	ONE HOUR PARKING 8AM-6PM MON.-SAT.	31	ONE HOUR PARKING 8AM-6PM ←→
12	⊘ NO U TURN	31	24 HOUR PARKING LIMIT
13	ONE HOUR PARKING 8AM-6PM MON.-SAT.	32	24 HOUR PARKING LIMIT
14	NO PARKING THEATER ZONE	33	24 HOUR PARKING LIMIT
15	ONE HOUR PARKING 8AM-6PM MON.-SAT.	34	STOP
16	⊘ NO U TURN	35	15 MIN. PARKING MON.-SAT. 8AM-6PM
17	MAIN ST.	36	15 MIN. PARKING MON.-SAT. 8AM-6PM
17	D ST.		NOTE: EXISTING SIGNS TO BE REMOVED TO REMAIN THE PROPERTY OF THE CITY OF PETERSBURG, AND SHALL BE STOCKPILED IN A LOCATION APPROVED BY THE CITY'S PUBLIC WORKS SUPERINTENDENT.
17	STOP		

ABANDON CATCH BASINS

STATION	OFFSET
5+49	20.5' LT
5+52	22.5' RT
7+62	20.5' LT
8+48.5	21.5' LT
8+48.5	21.5' RT
9+31	21' RT
9+41	20.5' LT
10+42	21' LT
10+48	21' RT
11+07.5	21' LT
11+09	21' RT
12+67	21' LT

NOTE: CATCH BASINS TO BE ABANDONED SHALL BE CUTOFF APPROXIMATELY 12 INCHES BELOW FINISHED GRADE AND BACKFILLED OR REMOVED COMPLETELY.

ADJUST EXISTING MANHOLES

STATION	OFFSET LEFT	OFFSET RIGHT
0+68		3'
2+97		6'
~~3+01~~ 10		~~43'~~ 41'
5+~~24~~ 26	~~1'~~ 3.5'	
5+~~28~~ 30		~~12'~~ 10'
8+~~25~~ 28	5' 4'	
~~8+26~~ ABANDONED IN		7' PLACE
10+~~74~~ 80		5' 6'
10+~~75~~ 81	4'	
12+~~75~~ 80	5' 4'	
~~12+75~~ 13+10	~~26'~~ 16'	

ADJUST MONUMENTS AND CASES

STATION	OFFSET	REMARKS
0+82		ADJUST MONUMENT CASE
~~2+92.25~~ 2+98.25		ADJUST MONUMENT CASE
~~4+83.18~~ 4+89.3		ADJUST MONUMENT CASE
~~5+47.5~~ 5+49.94	~~24'~~ LEFT 27.53	RESET BRASS CAP TO EXISTING LOCATION ~~AND ELEVATION~~ ELEVATION = 22.95
~~5+62.5~~ 5+63.55	~~24'~~ RIGHT 21.61	RESET BRASS CAP TO EXISTING LOCATION ~~AND ELEVATION~~ ELEVATION = 23.15
~~7+97~~ 8+01.17	~~29'~~ RIGHT 29.77	RESET BRASS CAP TO EXISTING LOCATION ~~AND ELEVATION~~ ELEVATION = 24.12
~~10+50.5~~ 10+53.69	~~26'~~ LEFT 26.11	RESET BRASS CAP TO EXISTING LOCATION ~~AND ELEVATION~~ ELEVATION = 23.64
~~10+70~~ 10+82	~~24'~~ LEFT 26.34'	RESET BRASS CAP TO EXISTING LOCATION ~~AND ELEVATION~~ ELEVATION = 23.11

REMOVAL OF STRUCTURES AND OBSTRUCTIONS

STATION	OFFSET LEFT	OFFSET RIGHT	REMARKS
0+63	27.5'		LUMINAIRE SEE NOTES 1 & 2
1+37		27.5'	LUMINAIRE SEE NOTES 1 & 2
2+28	27.5'		LUMINAIRE SEE NOTE 1
3+18.5		28'	LUMINAIRE SEE NOTE 1
4+22	27'		LUMINAIRE SEE NOTE 1

NOTE 1: LUMINAIRES TO BE SALVAGED AND STOCKPILED AT DOT&PF PETERSBURG MAINTENANCE STATION

NOTE 2: FLASHING BEACONS & SIGNS TO BE REMOVED AND PROTECTED DURING CONSTRUCTION AND SHALL BE RE-INSTALLED ON NEW POLES. SEE DETAIL SHEET 27.

STATE OF ALASKA
49TH
P. Bednarowicz
CE-5104
REGISTERED PROFESSIONAL ENGINEER

NOTES:

PROTECTION OF EXISTING WORK: BEFORE BEGINNING ANY CUTTING OR DEMOLITION WORK, THE CONTRACTOR SHALL CAREFULLY SURVEY THE EXISTING WORK AND EXAMINE THE DRAWINGS AND SPECIFICATIONS TO DETERMINE THE EXTENT OF THE WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE AGAINST DAMAGE TO EXISTING WORK TO REMAIN IN PLACE, TO BE REUSED, OR TO REMAIN THE PROPERTY OF THE CITY OR D.O.T./P.F. ANY DAMAGE TO SUCH WORK SHALL BE REPAIRED OR REPLACED AS APPROVED BY THE PROJECT ENGINEER AT NO ADDITIONAL COST TO THE CITY OR D.O.T./P.F. THE CONTRACTOR SHALL CAREFULLY COORDINATE THE WORK OF THIS SECTION WITH ALL OTHER WORK AND CONSTRUCTION AND MAINTAIN SHORING, BRACING AND SUPPORTS, AS REQUIRED. THE CONTRACTOR SHALL INSURE THAT STRUCTURAL ELEMENTS ARE NOT OVERLOADED AND BE RESPONSIBLE FOR INCREASING STRUCTURAL SUPPORTS OR ADDING NEW SUPPORTS AS MAY BE REQUIRED AS A RESULT OF ANY CUTTING, REMOVAL, OR DEMOLITION WORK PERFORMED UNDER ANY PART OF THIS CONTRACT.

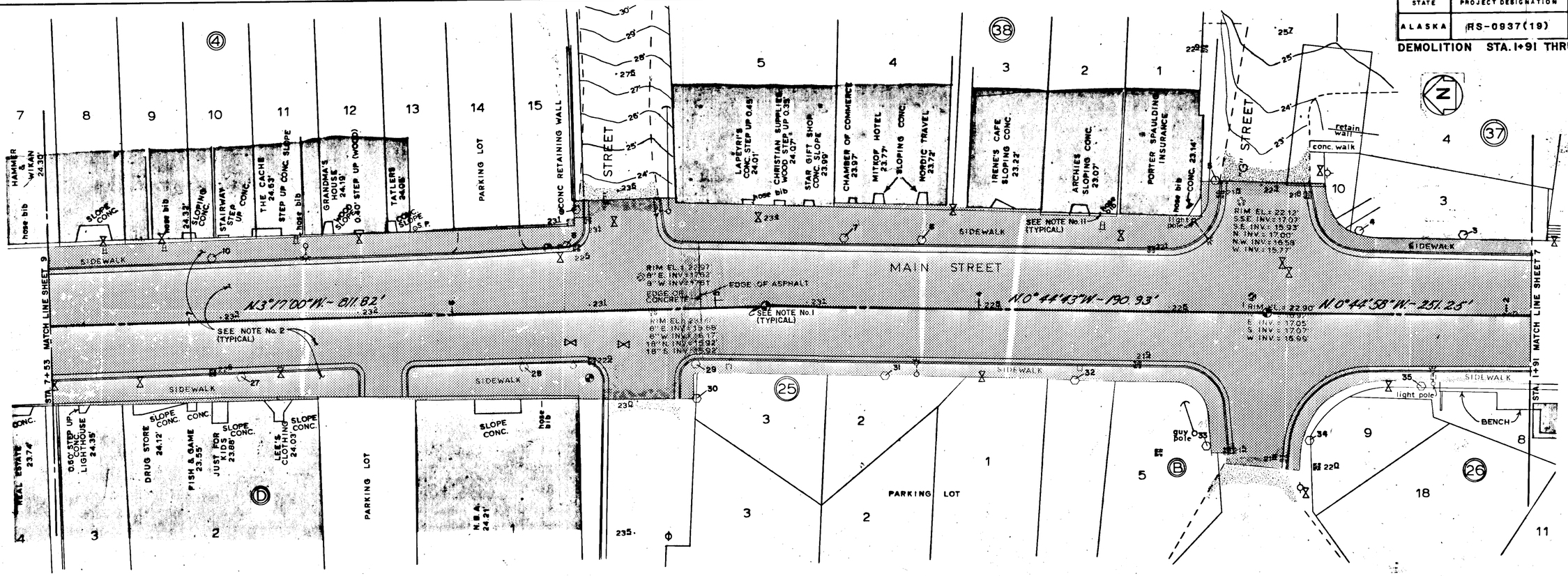
1. BRASS CAP MONUMENTS:
ALL EXISTING BRASS CAP MONUMENTS TO BE REMOVED DURING DEMOLITION AND REPLACED DURING CONSTRUCTION TO THEIR ORIGINAL POSITION (~~VERTICAL~~ & HORIZONTAL) AS PER U.S.C. & G.S. STANDARDS AND SECTION 614 OF STANDARD SPECIFICATION (D.O.T.) TYPICAL ALL MONUMENTS.

2. SIDWALK AND ASPHALT PAVEMENT:
Shaded area ▒ indicates limits of sidewalk and asphalt pavement removal

3. RETAINING WALL on West side of Main Street adjacent to existing buildings to remain. Contractor to provide all necessary protection, structural support either temporary or permanently to maintain wall integrity during demolition of adjacent sidewalk. When replacing sidewalk provide 3/4" expansion Joint material between existing retaining wall and new sidewalk. At any location where sidewalk, because of elevation requirements, is above retaining wall, sidewalk edge to be flush with building side of retaining wall. Retaining wall occurs between stations 6+55 & 12+95 on the West side of Main Street at the property lines.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	8	29

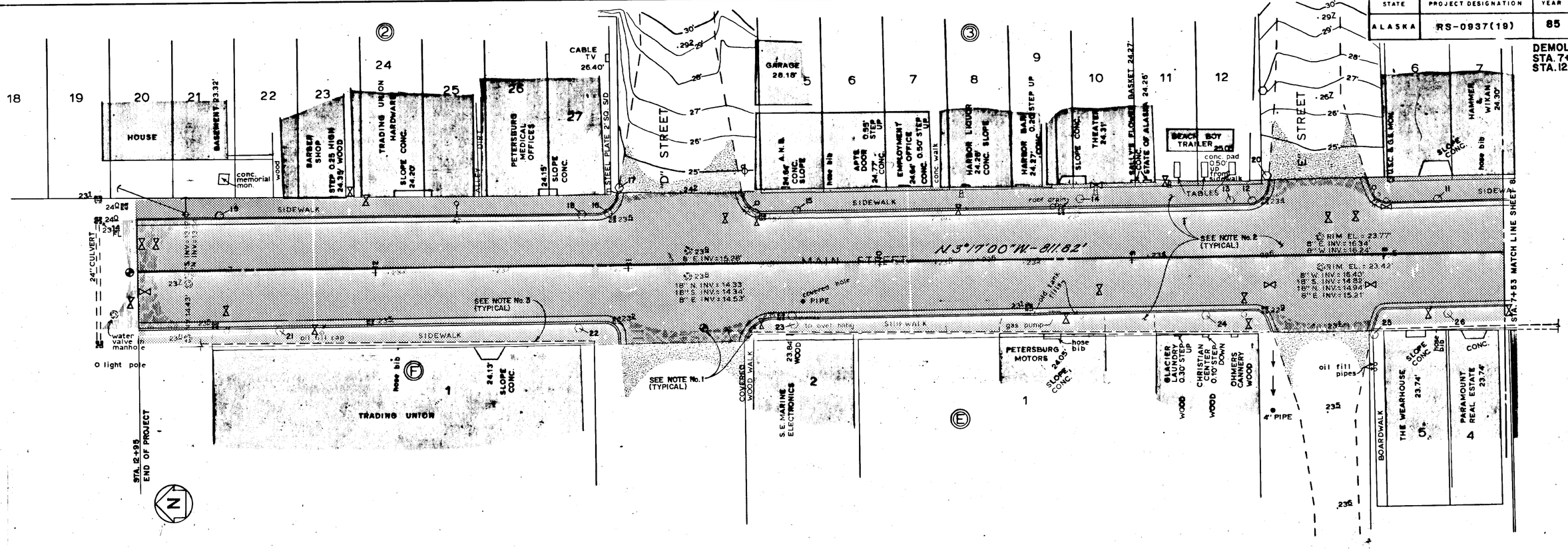
DEMOLITION STA. 1+91 THRU STA. 7+53



NOTE:
NOTES REFERENCED ON THIS DRAWING ARE ON SHEET 7.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	9	29

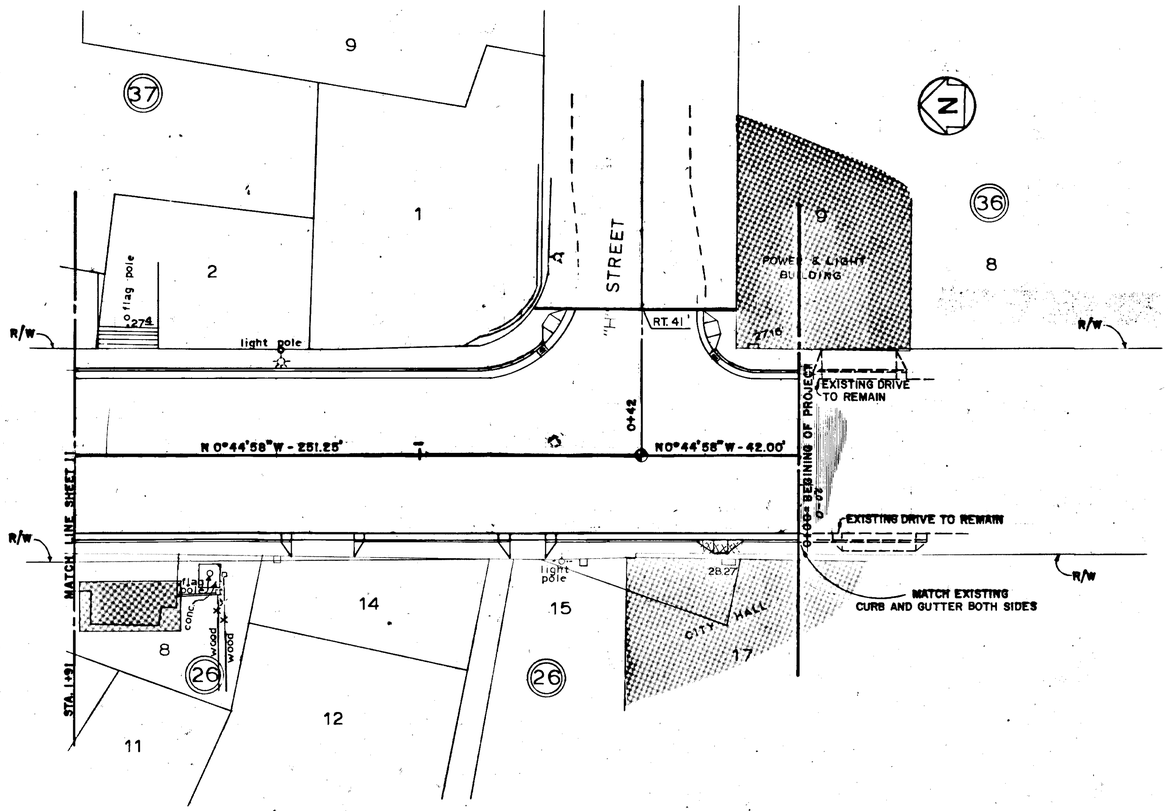
DEMOLITION
STA. 7+53 THRU
STA. 12+95



NOTE:
NOTES REFERENCED ON THIS DRAWING ARE ON SHEET 7.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	10	29

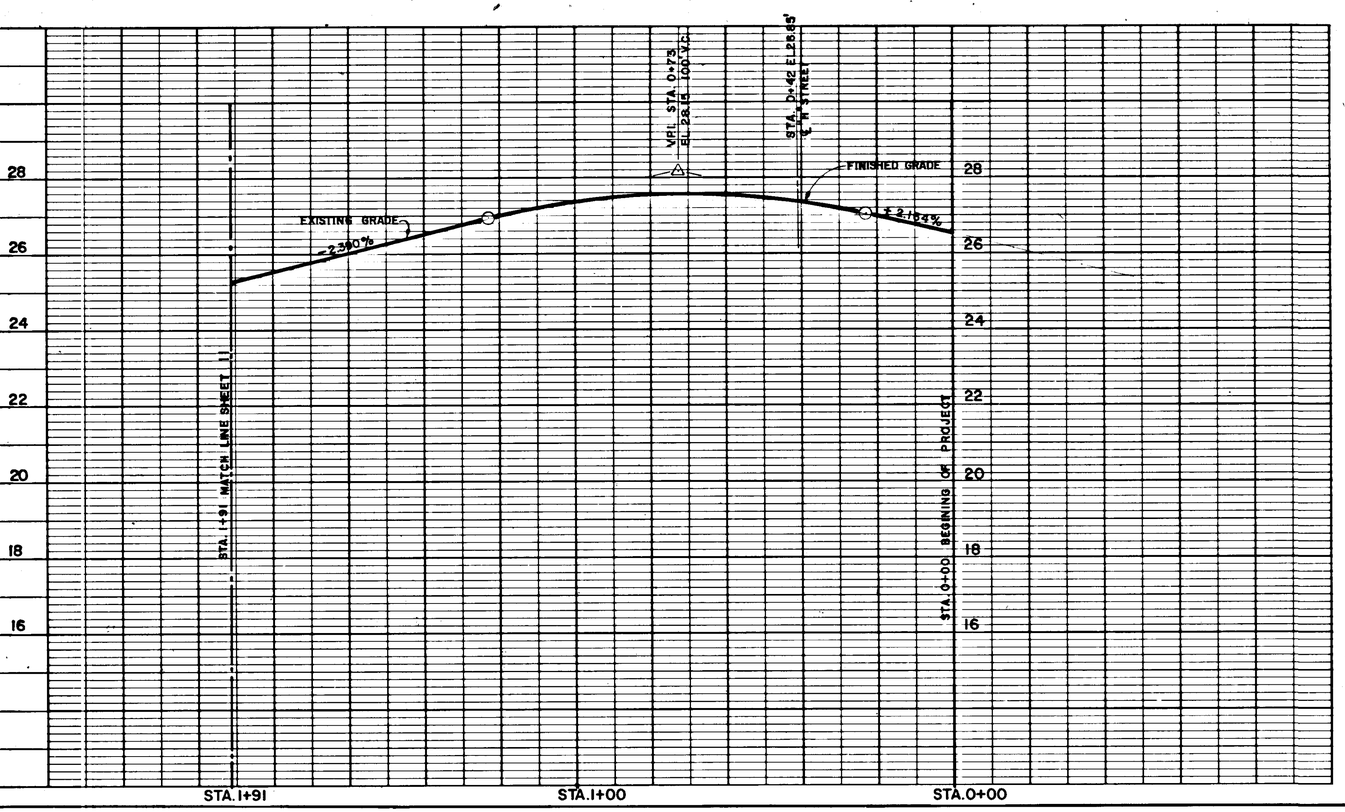
PLAN AND PROFILE ALTERNATE "A"
STA. 0+00 THRU 1+91



LEGEND

- BUILDING
- CONCRETE
- ASPHALT
- GRAVEL SURFACING
- EXIST LIGHT POLE
- NEW LIGHT POLE
- HOSE BIB
- HAND HOLE
- TRAFFIC SIGN (EXISTING)
- POWER POLE (EXISTING)
- POWER POLE (WITH LIGHT-EXISTING)
- POWER POLE (WITH TRANSFORMER-EXISTING)
- POWER POLE (WITH GUY-EXISTING)
- LUMINAIRE POLE (EXISTING)
- LUMINAIRE POLE
- TRAFFIC SIGN
- 250 SPOT ELEVATIONS
- 5 LOT NUMBER
- 5 BLOCK NUMBER
- 3 ENTRY SCHEDULE
- RETAINING WALL
- UNDERGROUND CONDUIT
- FENCE
- PROPERTY LINE
- 24' CONTOUR
- DRINKING FOUNTAIN
- T UNDERGROUND TELEPHONE CONDUIT
- F.S. FIRE SPRINKLER SERVICE
- 8 WATER METER (EXISTING)

2' 0 2'
VERTICAL SCALE
20' 0 20'
HORIZONTAL SCALE

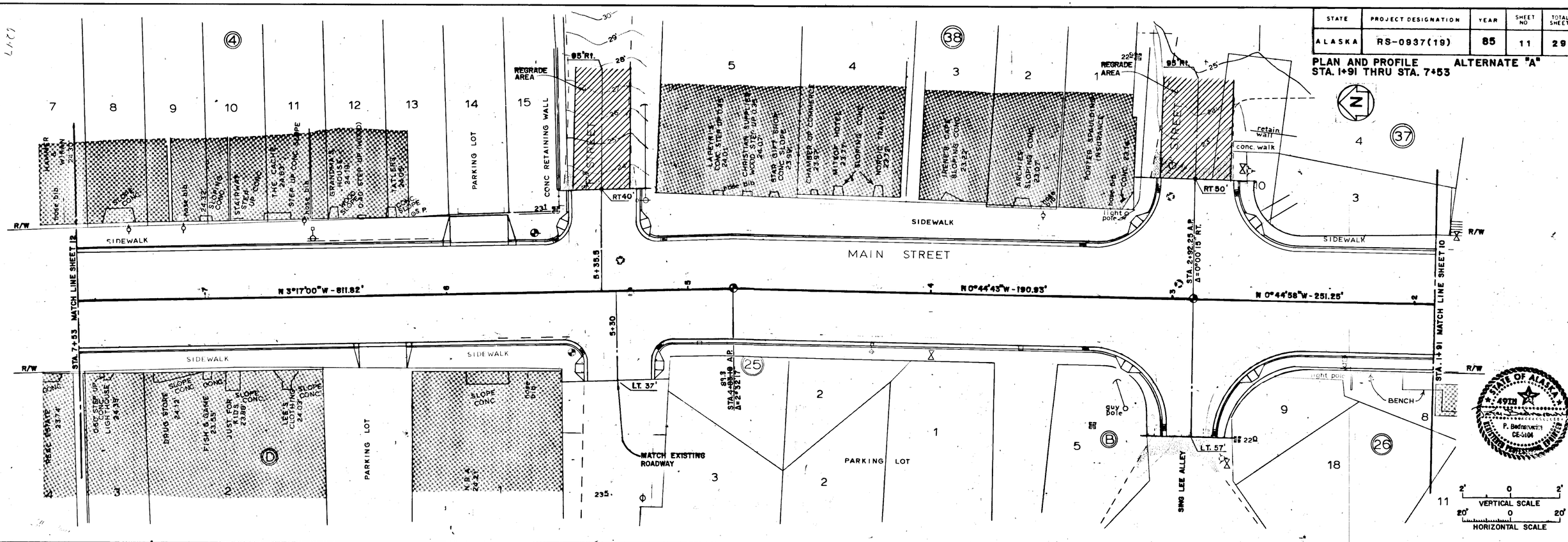


VERTICAL CONTROL DATUM BASE IS M.L.L.W. DERIVED FROM THE U.S.C.S. BRASS DISC LOCATED IN FRONT OF THE MAIN ENTRANCE TO THE TRADING UNION GROCERY STORE. THE BRASS DISC IS LOCATED IN FRONT OF THE ONLY PILLAR IN FRONT OF THE DOORWAY AND IS FLUSH WITH THE CONCRETE SIDEWALK. THE ELEVATION OF THE BRASS DISC = 24.01

HORIZONTAL CONTROL IS DERIVED FROM THE ACCEPTED BEARING FROM A BRASS CAP MONUMENT, LOCATED AT THE S.W. CORNER OF BLK. 7 TO AN IRON PIPE LOCATED AT THE S.W. CORNER OF BLK. 12, WHICH IS S 89°42'00" E. THE TIE FROM THE BRASS CAP MONUMENT AT THE S.W. CORNER OF BLK. 7, TO THE BRASS CAP MONUMENT LOCATED AT THE INTERSECTION OF "H" STREET AND MAIN STREET IS S 22°00'07" W, FOR A DISTANCE OF 888.46 FT.

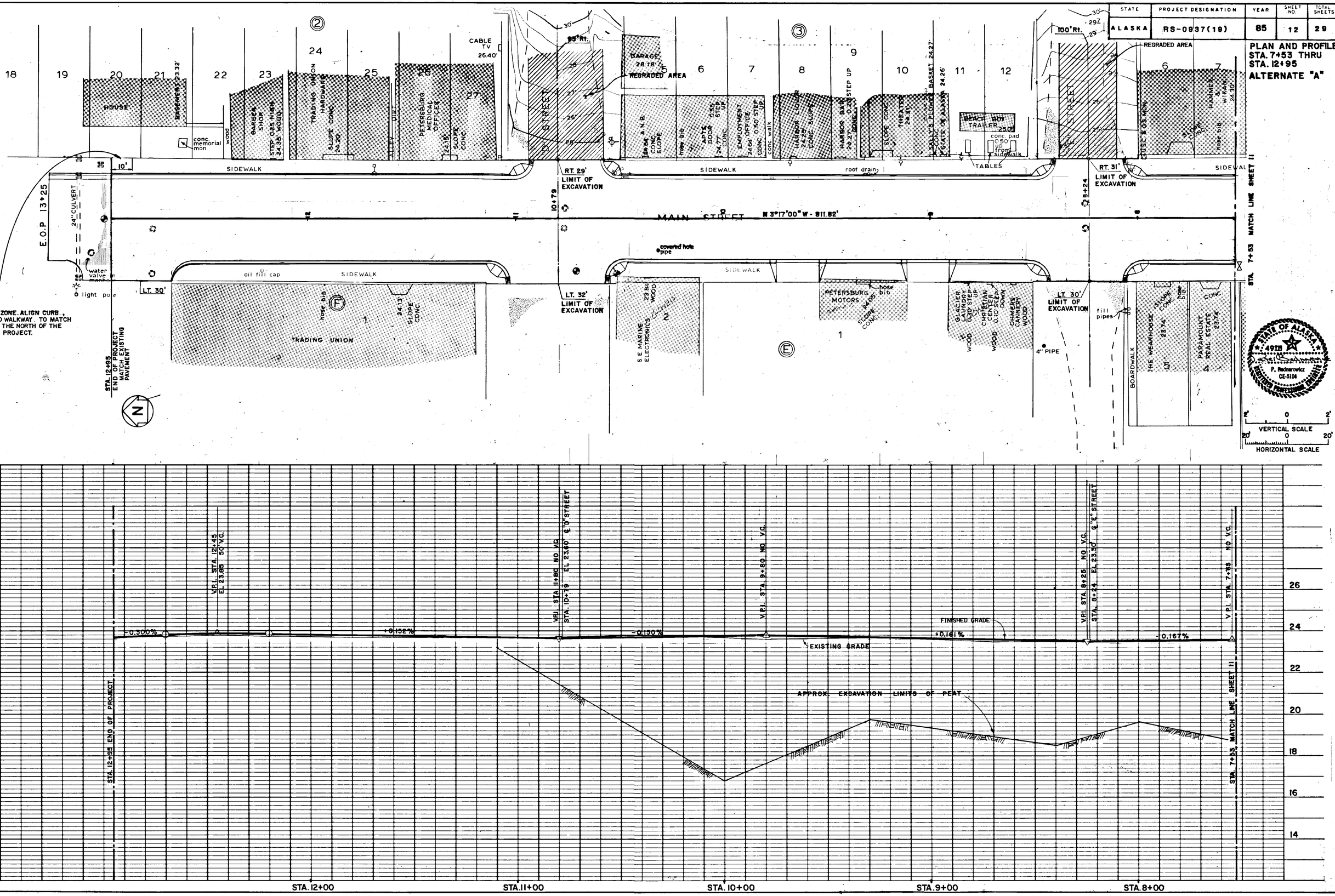
STATE	PROJECT DESIGNATION	YEAR	SHEET NO	TOTAL SHEET
ALASKA	RS-0937(19)	85	11	29

PLAN AND PROFILE ALTERNATE "A"
STA. 1+91 THRU STA. 7+53



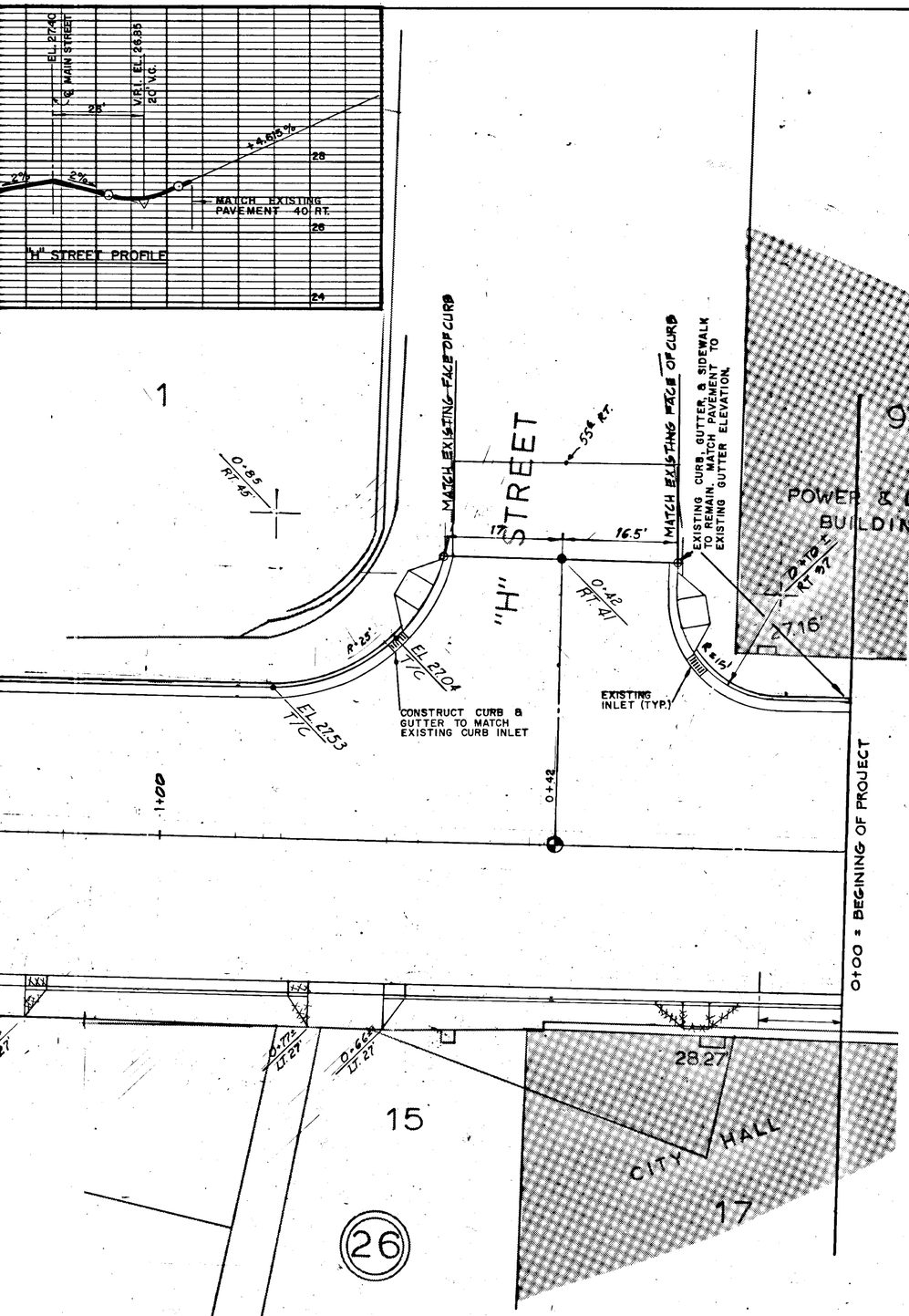
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	12	29

PLAN AND PROFILE
STA. 7+53 THRU STA. 12+95
ALTERNATE "A"



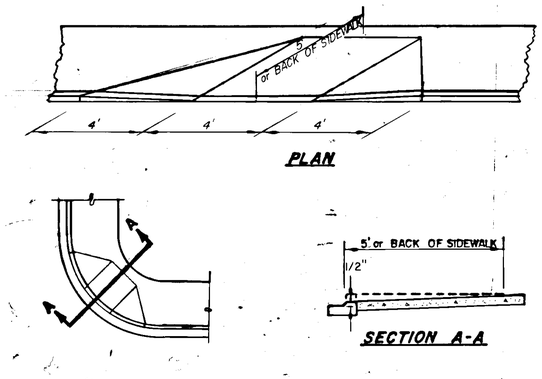
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	B59862	85	13	29

INTERSECTIONS



INTERSECTION AT "H" STREET

SCALE: 1" = 10'-0"



TYPICAL CURB RAMP DETAIL

N.T.S.

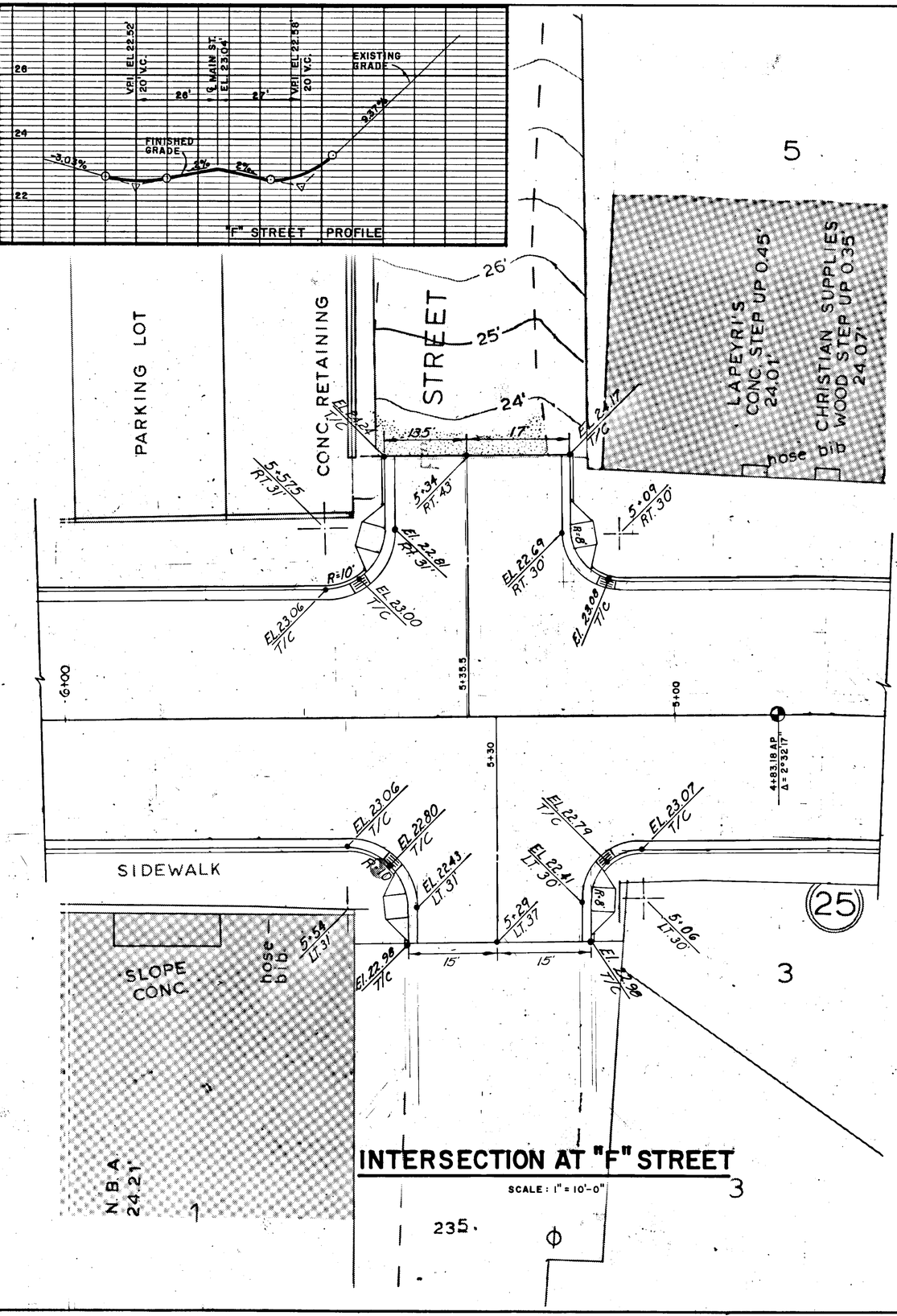
STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER P. Bednarowicz CE-5104

CURB RAMP SCHEDULE		
STATION	OFFSET LEFT	OFFSET RIGHT
~~0+21~~	~~32~~	
0+24		31
0+65		32
2+67	29	31
3+13		30
3+16	28	
5+14	28	
5+17		26
5+48	31	
5+50		26
8+02	23	22
8+44		22
8+46	23	
10+53	23	
10+55		22
10+94		22
11+04	23	

NOTE: CURB RAMP INSTALLATION SHALL NOT BE MEASURED FOR PAYMENT DIRECTLY BUT SHALL BE CONSIDERED INCIDENTAL TO ITEMS 608 AND 609. SEE DETAIL THIS SHEET.

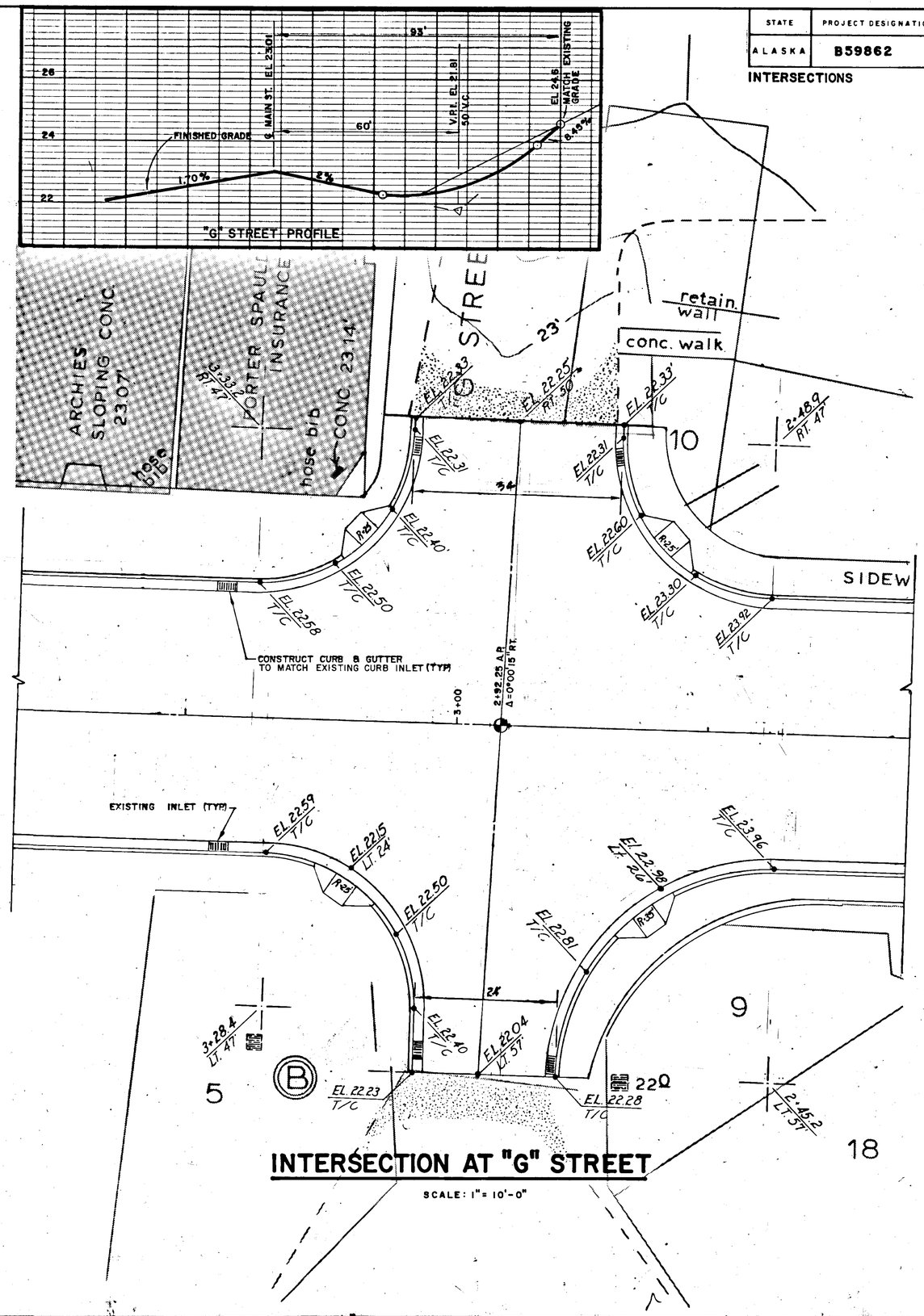
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOT SHE
ALASKA	B59862	85	14	2

INTERSECTIONS



INTERSECTION AT "F" STREET

SCALE: 1" = 10'-0"



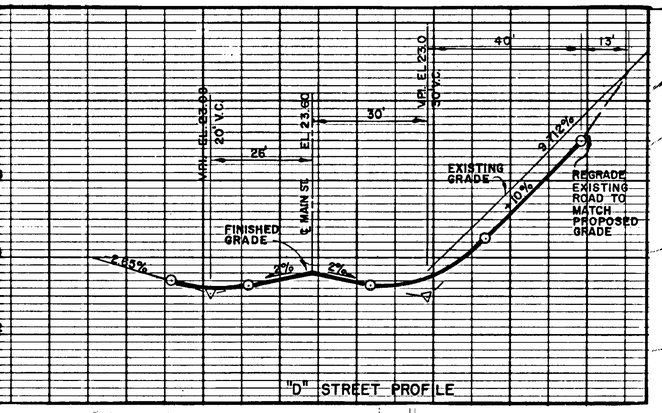
INTERSECTION AT "G" STREET

SCALE: 1" = 10'-0"

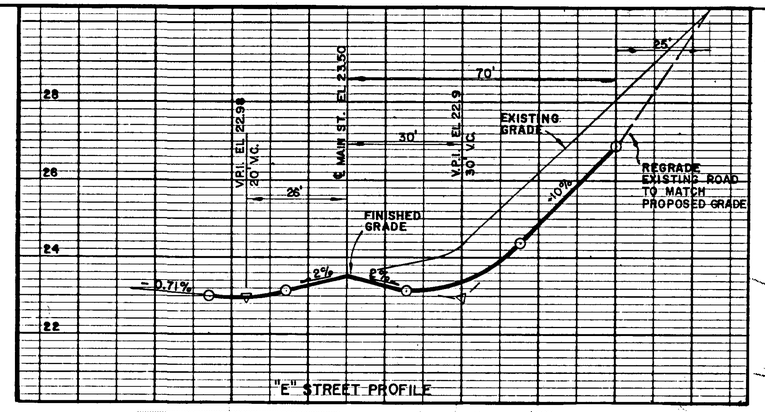
STATE OF ALASKA 49TH P. Bednarowicz CE-5104 REGISTERED PROFESSIONAL ENGINEER

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	B59862	85	15	29

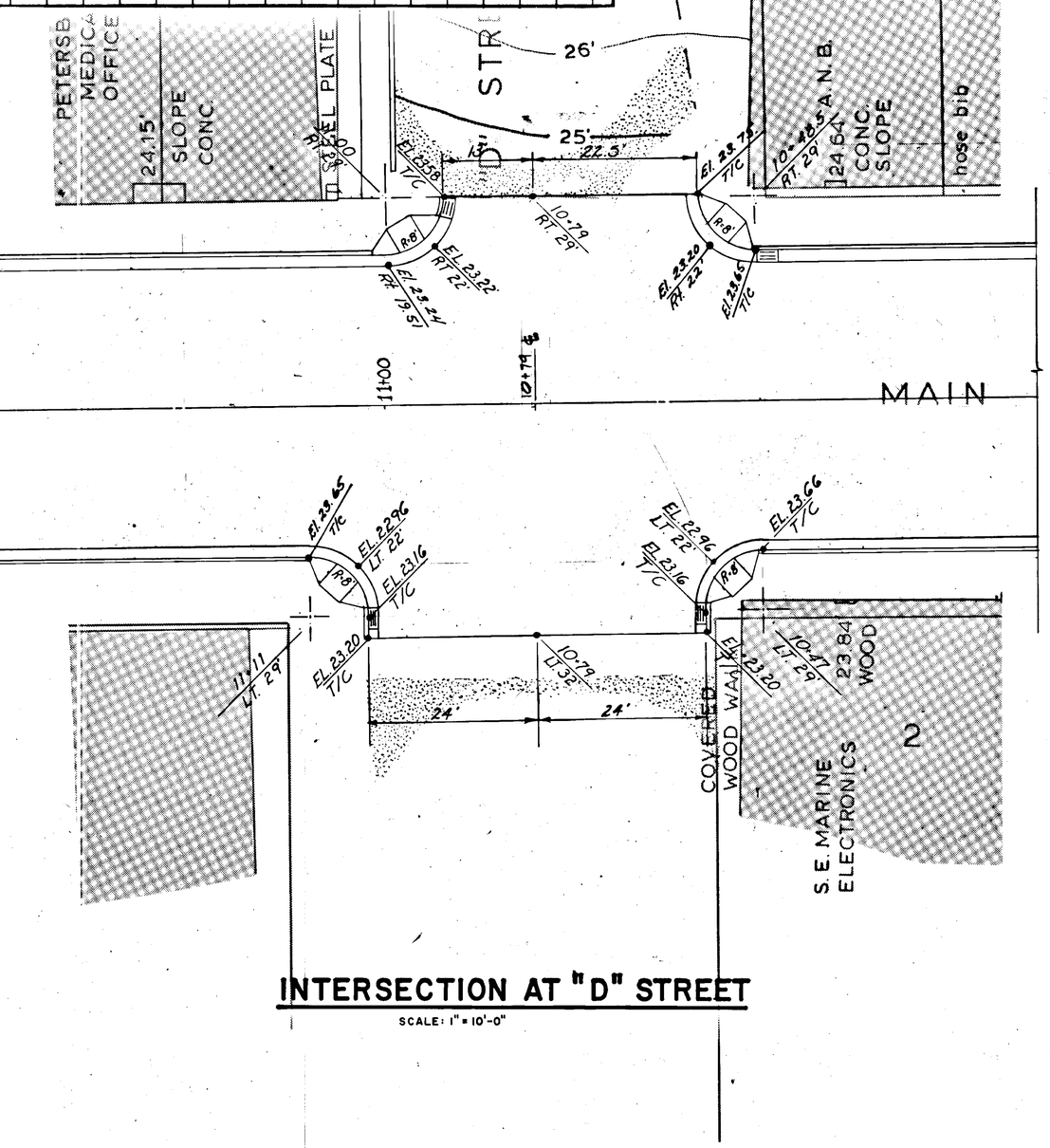
INTERSECTIONS



"D" STREET PROFILE

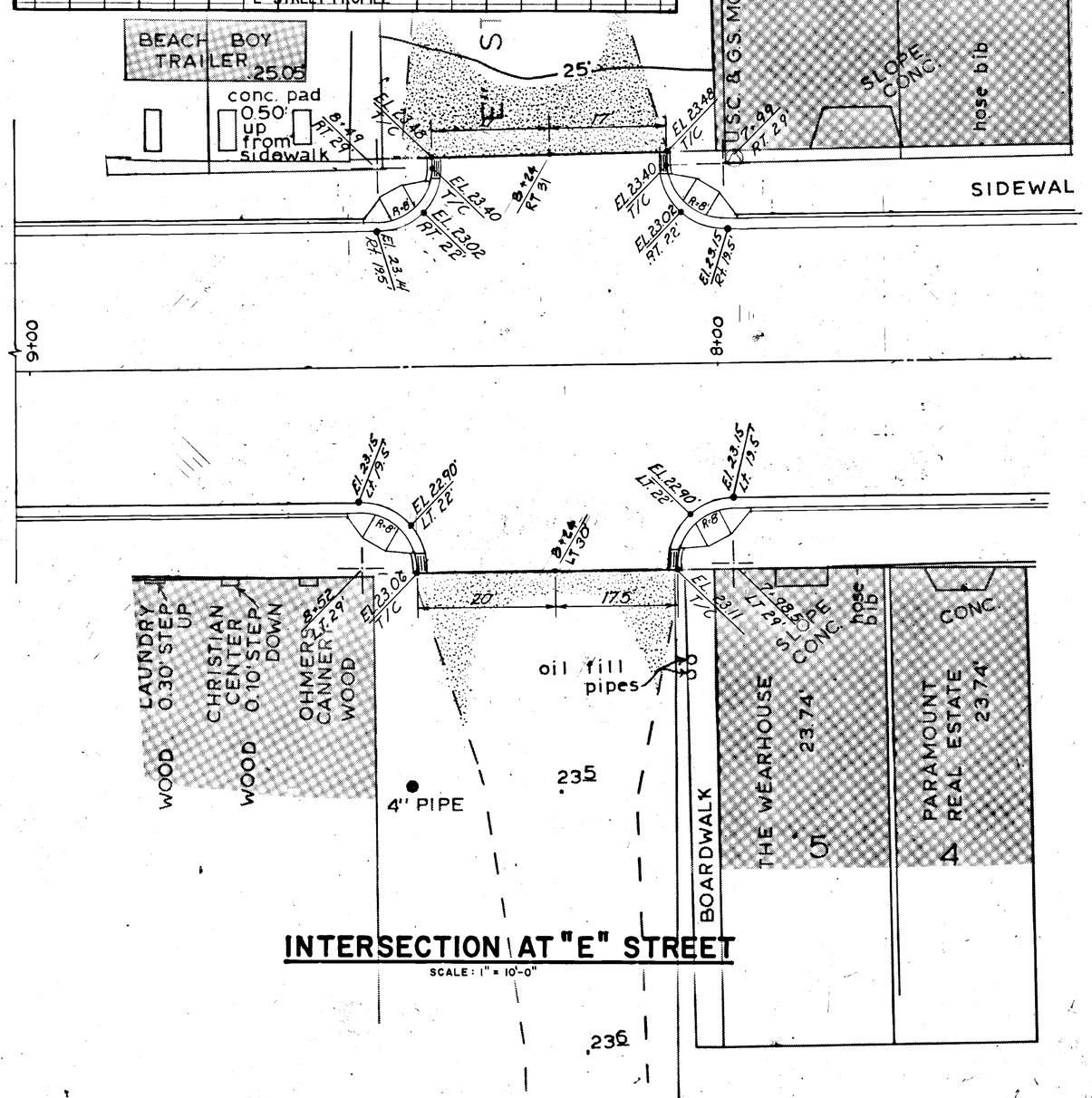


"E" STREET PROFILE



INTERSECTION AT "D" STREET

SCALE: 1" = 10'-0"



INTERSECTION AT "E" STREET

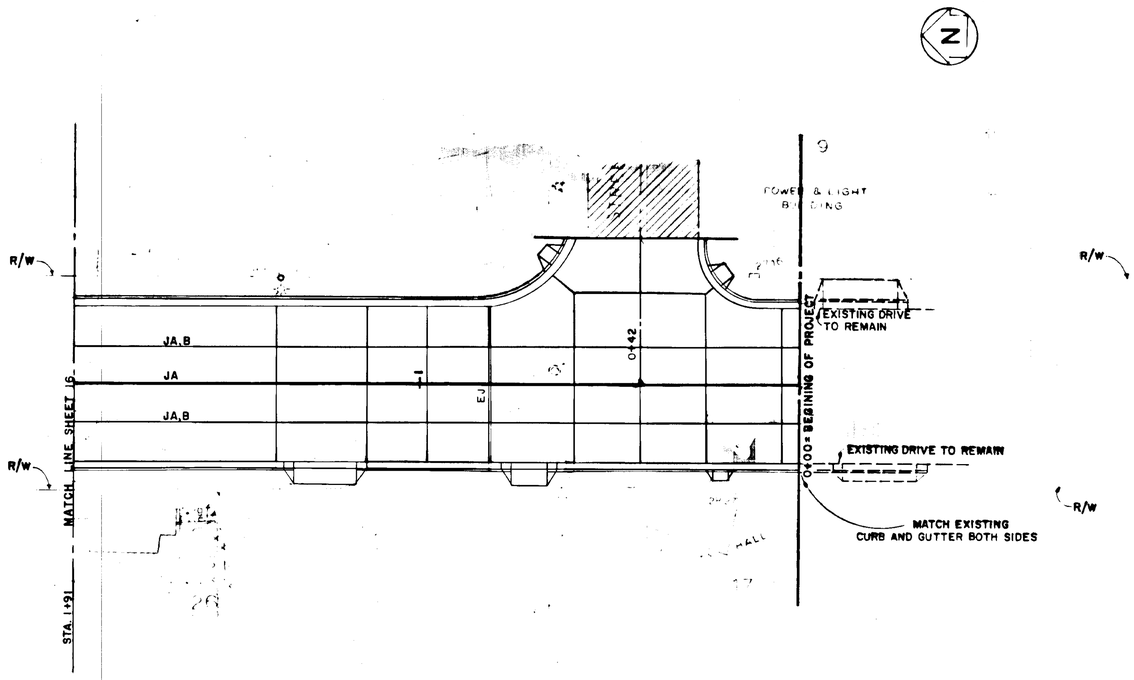
SCALE: 1" = 10'-0"

STATE OF ALASKA 49TH P. Bednarowicz CE-5104 REGISTERED PROFESSIONAL ENGINEER

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	16	29

INFORMATION ON THIS SHEET IS LIMITED TO LOCATIONS AND TYPES OF PAVEMENT JOINTS.

PLAN FOR ALTERNATE "B"
STA. 0+00 THRU 1+91
FOR CORRECTED CENTERLINE AND LIMITS - SEE PLAN AND PROFILE ALTERNATE "A"



NOTE:
CONSTRUCTION OF CURB, GUTTER, & SIDEWALK, ALSO PAVING LIMITS SHALL BE AS SHOWN ON SHEETS 10-15.

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER P. Bednarowicz CE-5104

2' 0 2'
VERTICAL SCALE
20' 0 20'
HORIZONTAL SCALE

PAVEMENT JOINT NOTES:

1. PROVIDE JOINTS AT AND NEAR INTERSECTIONS AS SHOWN ON PLAN. JOINTS NOT LABELED SHALL BE TRANSVERSE JOINT TYPE C OR D.

2. ON STRAIGHT ROAD SECTIONS BETWEEN INTERSECTIONS PROVIDE TRANSVERSE JOINTS TYPE C OR TYPE D AT MAXIMUM SPACING OF 25'-0" AND MINIMUM SPACING OF 10'-0", ACROSS ENTIRE ROAD SECTION.

3. SEE DRAWING NO. 02, "TYPICAL SECTIONS OF IMPROVEMENTS", FOR JOINT TYPES.

4. LEGEND

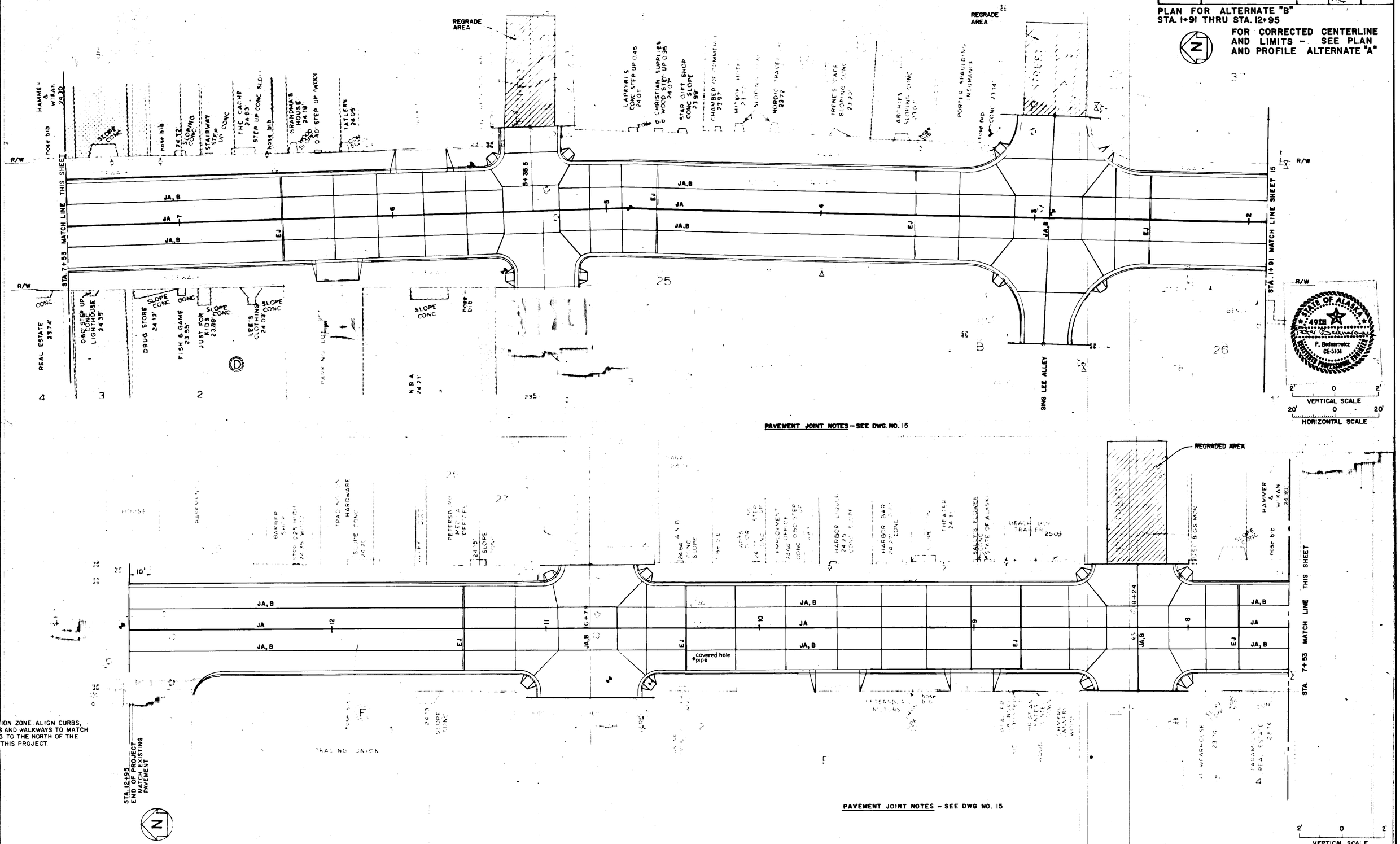
JA	JOINT TYPE A
JA,B	JOINT TYPE A OR TYPE B
JC,D	JOINT TYPE C OR TYPE D
EJ	EXPANSION JOINT
SEE	DETAILS SHEET 3

INFORMATION ON THIS SHEET IS LIMITED TO LOCATIONS AND TYPES OF PAVEMENT JOINTS.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	17	29

PLAN FOR ALTERNATE "B"
STA. 1+91 THRU STA. 12+95

FOR CORRECTED CENTERLINE AND LIMITS - SEE PLAN AND PROFILE ALTERNATE "A"



PAVEMENT JOINT NOTES - SEE DWG. NO. 15

PAVEMENT JOINT NOTES - SEE DWG. NO. 15

WATER CONDUIT APPURTENANCE TABLE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	18	29

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER P. Bednarowicz CE-5104

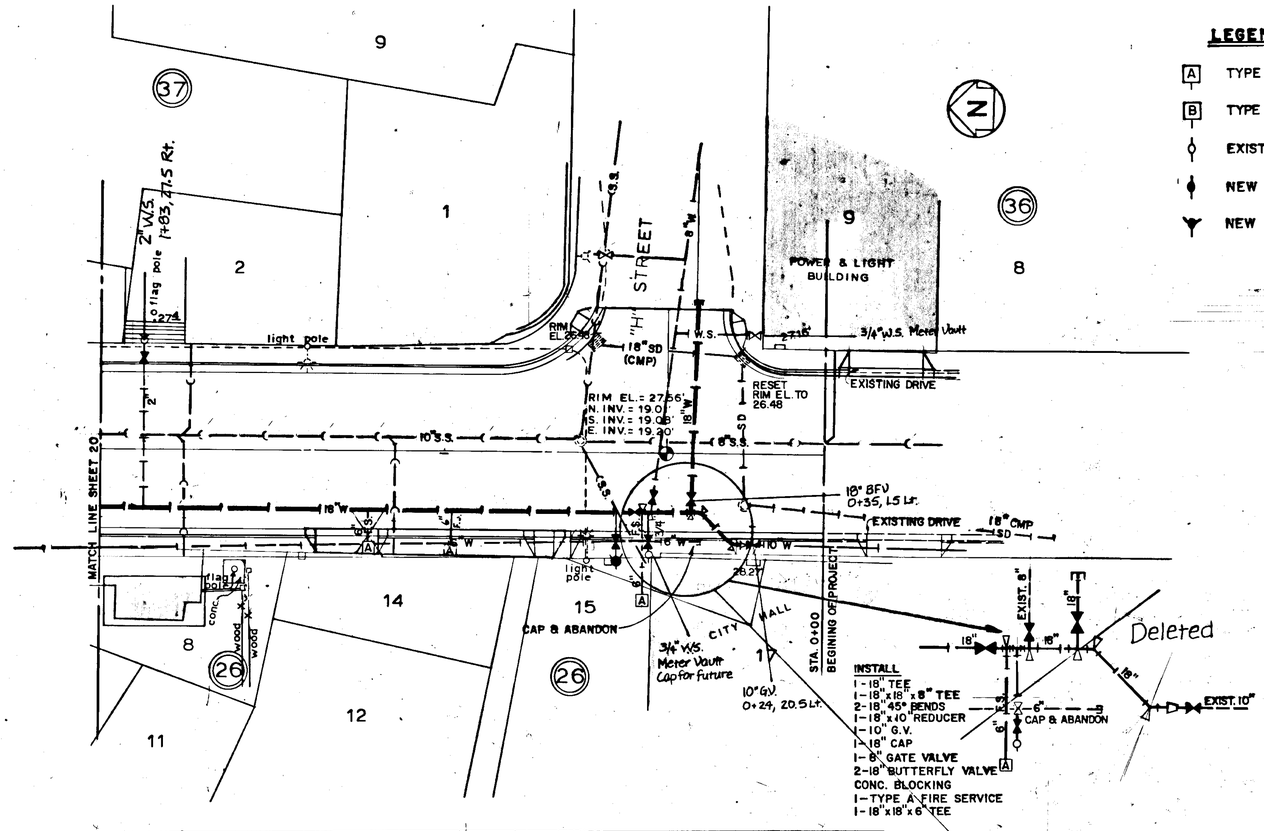
WATER CONDUIT SCHEDULES
REMARKS

SHEET	STATION	OFFSET	APPROX. LENGTH OF 8" D.I.P.	INSTALL VALVE (NUMBER REQUIRED)	INSTALL VALVE BOX (NUMBER REQUIRED)	INSTALL WATER SERVICE & METER	INSTALL WATER SERVICE (EXISTING METER)	SIZE OF TYPE "K" COPPER SERVICE LINE	APPROXIMATE LENGTH OF SERVICE LINE	INSTALL NEW FIRE HYDRANT ASSEMBLY	REMOVE EXISTING FIRE HYDRANT	REMARKS
	0+24	L20.5										
19	0+18	L24		1	1							INSTALL 10" GATE VALVE & BOX - CONNECT TO EXISTING 10" MAIN
	0+20	L24										INSTALL 18" x 10" REDUCER
	0+22	L20.5										INSTALL ~~18"~~ - 45° BEND, THRUST BLOCK
	0+32	L15										INSTALL 18" - 45° BEND, THRUST BLOCK
	0+35	L15										INSTALL 18" x 18" x 18" TEE, THRUST BLOCK
	0+35	L12		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	0+35	R40										INSTALL 56 - 18" D.I.P., ~~18" CAP~~
	0+45	L15										INSTALL 18" x 18" x 8" TEE, THRUST BLOCK
	0+46	L12		1	1							INSTALL 8" GATE VALVE & ~~BOX, CONNECT TO 8" MAIN~~
	0+47	L15				X	X	3/4"	10'			INSTALL METER VAULT
	0+48	L12	23	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6' GATE VALVE & BOX, 6" CAP. (TYPE "A" F.S.)
	0+50	L15		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	0+55	L15	7							X		
	1+21	L18.5	11	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP. (TYPE "A" F.S.)
19	1+80	L15					X	2"	43'			
20	2+38	L20					X	3/4"	15'			NO METER DRINKING FOUNTAIN ~~BY CITY, CAP FOR FUTURE USE~~
	2+45	L15	45	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6' GATE VALVE & BOX, 6" CAP. (TYPE "A" F.S.)
	2+76	L28										~~INSTALL 6" CAP~~, ABANDON 6" LINE
	2+78	L15.5		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	2+80	L15										INSTALL 18" x 18" CROSS
	2+80	L13										INSTALL 18" x 8" REDUCER, CONNECT TO EXISTING 8" MAIN
	2+80	L17										INSTALL 18" x 8" REDUCER, CONNECT TO EXISTING 8" MAIN
	2+82	L16		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	3+36	L14	51	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	3+73.5	R21.8				X	X	1½"				
	3+73.5	R21.8				X	X	1½"				
	3+75	L14	12	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	3+87	L15					X	1"	10'			
	4+05	L14	76	2	2							INSTALL 18" x 18" x 6" TEE, 2-THRUST BLOCKS, 6" TEE, 2-6 GATE VALVES & BOXES, 2-6 CAPS (TYPE "B" F.S.)
	4+46	L14				X		1"	12'			
	4+53	L13	31	2	2							INSTALL 18" x 18" x 6" TEE, 2-THRUST BLOCKS, 6" TEE, 2-6 GATE VALVES & BOXES, 2-6 CAPS (TYPE "B" F.S.)
	4+65	L13	52	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	4+92	L12										INSTALL 18" - 45° BEND, THRUST BLOCK
	4+98.5	L11	14							X		ADD 1 - 6" 45° BEND TO ASSEMBLY
	5+20	R12										INSTALL 18" 45° BEND, THRUST BLOCK
	5+55	R13		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	5+55	R20		1	1							INSTALL 8" GATE VALVE & BOX, CONNECT TO EXISTING 8" MAIN
	5+36	R28										INSTALL 10" x 8" REDUCER
	5+37	R28										INSTALL 10" x 10" x 10" TEE, THRUST BLOCK, APPROX. 16'-10" D.I.P. - CONNECT TO EXISTING 10" MAIN
	5+37	R18										INSTALL 18" x 10' REDUCER
	5+37	R15										INSTALL 18" x 18" CROSS
	5+37	R12										INSTALL 18" x 8" REDUCER, CONNECT TO EXISTING 8" MAIN
	5+37	L9		1	1							INSTALL 8" GATE VALVE & BOX IN EXISTING 8" MAIN
	5+38	L13										INSTALL 8" CAP ON EXISTING 8" MAIN
	5+39	R13		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	5+42	R18										INSTALL 6" CAP ON EXISTING 6" MAIN
	5+48	L13										INSTALL 8" CAP ON EXISTING 8" MAIN
	5+63	L13									X	
	5+68	R23	6							X		
	5+68	R14									X	
	6+06	R14				X		1"	18			
	6+11	R14	18	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	6+18	R14	55	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	6+35.5	R14					X	1"	18			
	6+37.5	R8.5										INSTALL 10" GATE VALVE & BOX
	6+38	R14	36	2	2							INSTALL 18" x 18" x 6" TEE, 2-THRUST BLOCKS, 6" TEE, 2-6" GATE VALVES & BOXES, 2-6" CAPS (TYPE "B" F.S.)
	6+50	R14					X	3/4"	45			NO METER DRINKING FOUNTAIN ~~BY CITY, CAP FOR FUTURE USE~~
	6+55	R14					X	1½"	13			
	6+66	R14					X	1"	38			
	6+76	R14	60	2	2							INSTALL 18" x 18" x 6" TEE, 2-THRUST BLOCKS, 6" TEE, 2-6" GATE VALVES & BOXES, 2-6" CAPS (TYPE "B" F.S.)
	6+78	R14					X	1½"	42			
	7+25	R13	60	2	2							INSTALL 18" x 18" x 6" TEE, 2-THRUST BLOCKS, 6" TEE, 2-6" GATE VALVES & BOXES, 2-6" CAPS (TYPE "B" F.S.)
	7+35	R13				X		1"	12			
20												

SHEET	STATION	OFFSET	APPROX. LENGTH OF 8" D.I.P.	INSTALL VALVE (NUMBER REQUIRED)	INSTALL VALVE BOX (NUMBER REQUIRED)	INSTALL WATER SERVICE & METER	INSTALL WATER SERVICE (EXISTING METER)	SIZE OF TYPE "K" COPPER SERVICE LINE	APPROXIMATE LENGTH OF SERVICE LINE	INSTALL NEW FIRE HYDRANT ASSEMBLY	REMOVE EXISTING FIRE HYDRANT	REMARKS
20	7+50	L25 R13					X	~~3/4"~~ 2"	35			FIELD VERIFY SIZE OF SERVICE
21	7+72	R13 R09	43	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	7+75	L27 R13					X	3/4"	42			
	7+75	L27 R13					X	3/4"	35			
	7+82.5	L27 R12	6							X		
	7+85	R18									X	
	7+85	R18										
	7+93.5	R14 R12		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	8+15	R12										INSTALL 18" x 18" x 14" TEE
	8+22.5	R7 R14										INSTALL APPROX. 30'-14" D.I.P., A 14" BUTTERFLY VALVE AT ~~45 RT.~~ & CONNECT TO EXISTING
	8+26	L14.5 R10										INSTALL 18" x 18" x 8" TEE, 25 L.F. of 8" D.I.P. & CONNECT TO EXISTING PIPE LEFT
	8+27	R12 R12		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	8+54.1	L25.4 R12		1	1		X	2"	38			
	8+65	R5.6 R12	32							X		
	8+64	L23									X	
	8+71	R0.6 R12	42	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	8+75	R12 R12	16	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	8+90.5	R7.7 R12				X		1½"	12			
	8+92.5	R27.5 R12				X		1"	12			
	9+21.5	R9 R11	40	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	9+25.5	L25.3 R11				X		3/4"	35			
	9+34	R11.4	56	2	2							INSTALL 18" x 18" x 6" TEE, 2-THRUST BLOCKS, 2-6" GATE VALVES & BOXES, 6" TEE, 2-6" CAPS (TYPE "B
	9+73	R26.8 R11				X		1½"	13			
	9+75	R3.6 R11	40	1	1	X						INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, WATER METER, 6" CAP (6" D.I.P. WATER SE
	9+79.5	R3.6 R11	40	1	1							INSTALL 18" x 8" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	9+91	L26 R11				X		2"	40			
	10+13	R42 R10	40	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	10+34	R14.1 R10	9							X		
	10+39	R22									X	
	10+45	L26.5 R10				X		3/4"	35			FIELD VERIFY SIZE OF SERVICE
	10+50	R10				X		3/4"	45			NO WATER METER DRINKING FOUNTAIN BY CITY, CAP FOR FUTURE USE.
	10+53.5	R12 R10		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	10+61	R10										INSTALL 18" x 18" x 8" TEE, THRUST BLOCK
	10+64	R37.5 R12										INSTALL 25'-8" D.I.P., CONNECT TO EXISTING 8" GATE VALVE
	10+73	R17.3 R10		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	11+04	R3 R9	52	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" 90° BEND, 6" GATE VALVE & BOX, 6" CAP (TYPE "
	11+25	R7.2 R9	30							X		
	11+36	R8.5 R9	20	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	11+52	R9.9	20	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	12+10	R24.9 R9				X		3/4"	18			
	12+15	R24.7 R9				X		3/4"	18			
	12+25	R9				X		1½"	33			
	12+32	R9.5 R9	20	1	1							INSTALL 18" x 18" x 6" TEE, THRUST BLOCK, 6" GATE VALVE & BOX, 6" CAP (TYPE "A" F.S.)
	12+50	R9.3 R9	30							X		
	12+60	L24									X	
	12+86	R7.5 R8		1	1							INSTALL 18" BUTTERFLY VALVE & BOX
	12+90	R8										INSTALL 18" x 8" REDUCER
	12+92	R8										INSTALL 8" x 8" x 8" TEE, THRUST BLOCK
	12+92	L11										INSTALL 22 LF 8" D.I.P., 90° ELBOW, THRUST BLOCK, & CONNECT TO EXISTING
	12+92	R12										INSTALL 8" - 90° ELBOW, THRUST BLOCK, CONNECT TO EXISTING 8" MAIN
21	12+92	L8										ABANDON EXISTING G.V. & VALVE BOX
19	0+33	L23										CAP AND ABANDON EXISTING 6" D.I. WATER MAIN

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEET
ALASKA	RS-0937(19)	85	19	29

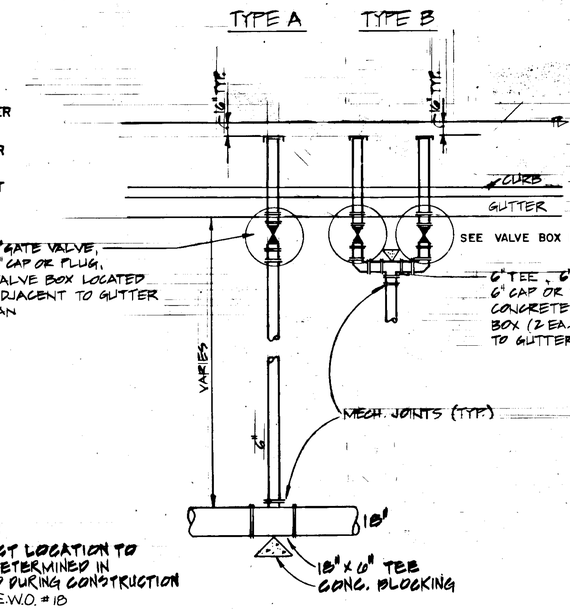
UTILITIES
STA. 0+00 THRU STA. 1+91



INSTALL
- 1 - 18" TEE
- 1 - 18" x 18" x 8" TEE
- 2 - 18" 45° BENDS
- 1 - 18" x 10" REDUCER
- 1 - 10" G.V.
- 1 - 18" CAP
- 1 - 8" GATE VALVE
- 2 - 18" BUTTERFLY VALVE
- CONC. BLOCKING
- 1 - TYPE A FIRE SERVICE
- 1 - 18" x 18" x 6" TEE

LEGEND

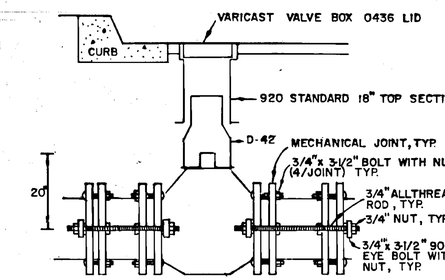
- A — TYPE A SERVICE
- B — TYPE B SERVICE
- EXIST WATER METER
- NEW WATER METER
- NEW FIRE HYDRANT



NOTE:
AS INDICATED ON DWGS. 19-21 INCLUSIVE

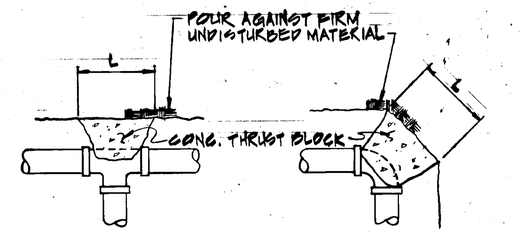
NOTE:
EXACT LOCATION TO BE DETERMINED IN FIELD DURING CONSTRUCTION
See E.W.O. # 18

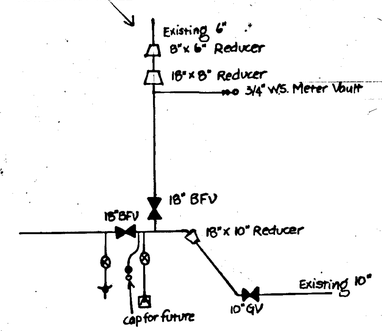
FIRE SPRINKLER SERVICE
N.T.S.

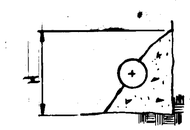


VALVE BOX DETAIL
N.T.S.

NOTES:
1. ALL CONNECTIONS SHALL BE SECURELY FASTENED WITH 2 TIE RODS ON THE FIRE SPRINKLER SERVICE.
2. FIRE HYDRANTS TO BE REMOVED TO REMAIN THE PROPERTY OF THE CITY OF PETERSBURG. ALL LEFT-OVER CITY FURNISHED MATERIALS SHALL REMAIN THE PROPERTY OF THE CITY.



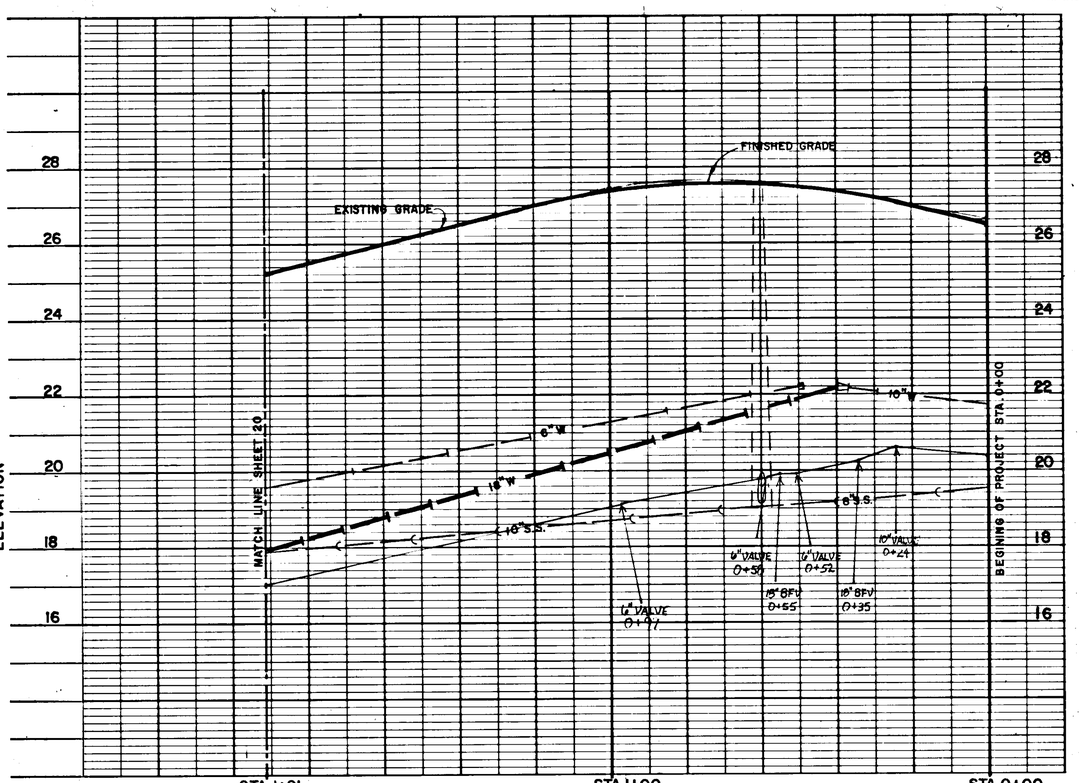




TYPICAL ALL FITTINGS
A = L x H

PIPE	12" - 24"			10"			8"			6"		
DIMENSION	A	L	H	A	L	H	A	L	H	A	L	H
5°-10°	2.0	2'-0"	1'-0"	1.5	1'-0"	1'-0"	1.0	1'-0"	1'-0"	1.0	1'-0"	1'-0"
11°-30°	6.0	3'-0"	2'-0"	4.0	2'-0"	2'-0"	2.5	1'-8"	1'-0"	2.0	2'-0"	1'-0"
31°-50°	9.5	3'-10"	2'-0"	6.5	2'-8"	2'-0"	4.0	2'-0"	2'-0"	2.5	1'-8"	1'-0"
51°-70°	13.0	4'-9"	2'-9"	9.0	3'-9"	2'-9"	6.0	3'-0"	2'-0"	3.0	2'-0"	1'-0"
71°-90°	16.0	5'-4"	3'-0"	11.0	3'-8"	3'-9"	7.0	2'-10"	2'-0"	4.0	2'-0"	2'-0"
91°-110°	18.5	6'-2"	3'-0"	13.0	4'-4"	3'-0"	8.0	3'-9"	2'-0"	4.5	2'-9"	2'-0"

NOTES:
1. AREA OF THRUST BLOCKS IS BASED ON 2,000 PSF LATERAL BEARING.
2. THRUST BLOCKS ARE REQUIRED AT ALL FITTINGS AND BENDS OF MORE THAN 3°.
3. BEARING SURFACE OF THRUST BLOCK MUST BE NORMAL TO RESULTANT THRUST OF BEND AND BEAR ON FIRM UNDISTURBED MATERIAL.
4. DIMENSIONS OF THRUST BLOCKS FOR TEES SHALL BE AS PER TABLE FOR 71°-90° BEND BASED ON THE BRANCH PIPE SIZE.



STORM DRAIN CONNECTIONS

STATION	OFFSET	REMARKS
3+48	23' RT	8" X 12" TEE
4+10	22' RT	8" X 12" TEE, CAP ONE END
4+55	22' RT	8" X 12" TEE, CAP ONE END
6+43	21' RT	8" X 12" 45° Y-BRANCH
7+14	20' RT	8" X 12" TEE
8+90	3' RT	8" X 24" TEE
9+34	3' RT	8" X 24" TEE
9+78	3' RT	8" X 24" TEE
11+59	3' RT	8" X 12" TEE
12+10	3' RT	8" X 12" TEE, CAP ONE END

ADJUSTMENT OF VALVE BOX

STATION	OFFSET
2+~~83~~ 84	RT ~~16'~~ 14'
2+~~87.5~~ 86	RT ~~19.5'~~ 17.5'
~~3+47~~	~~RT 29'~~
~~3+54~~	~~RT 30'~~
~~4+10~~	~~RT 33'~~
~~4+84~~	~~RT 34'~~
~~5+38~~	~~RT 34'~~
~~8+35~~ 25	LT 20'
~~8+27~~	~~LT 24'~~
~~12+92~~	~~LT 13'~~
13+05	RT 11'
13+03	RT 10'

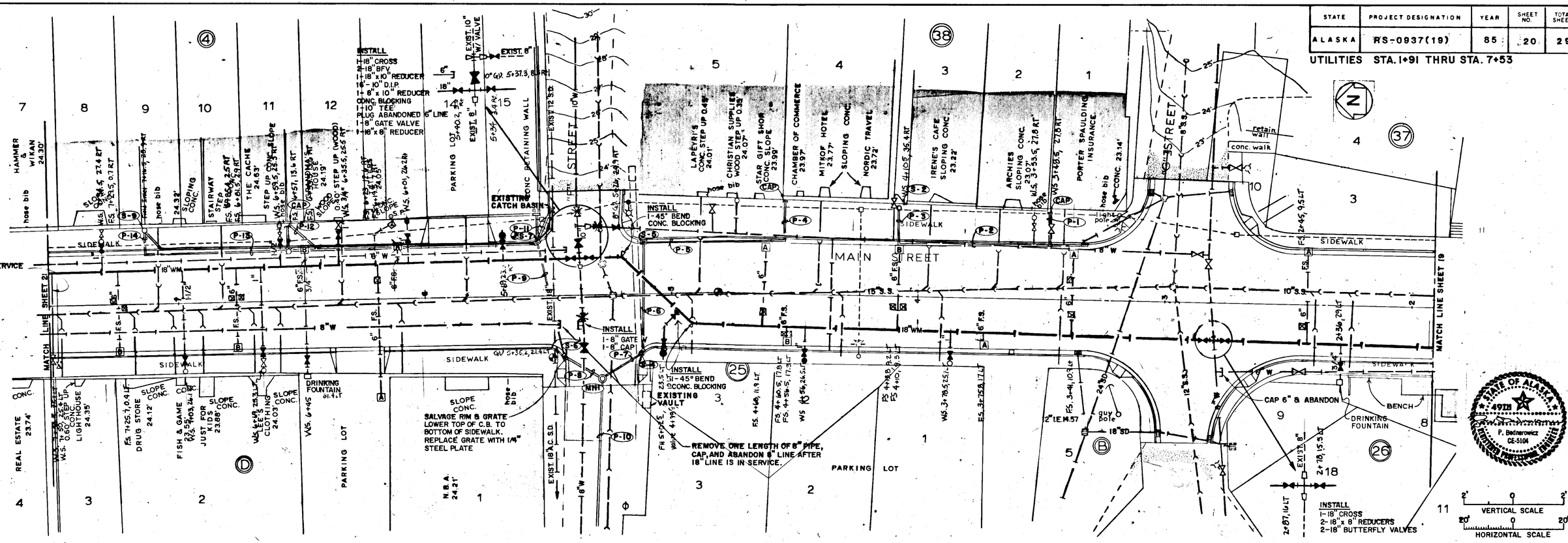
ADJUSTMENT OF METER BOX

STATION	OFFSET	
~~3+54~~	~~RT 33'~~	installed New
9+91	~~LT 30'~~ 28'	

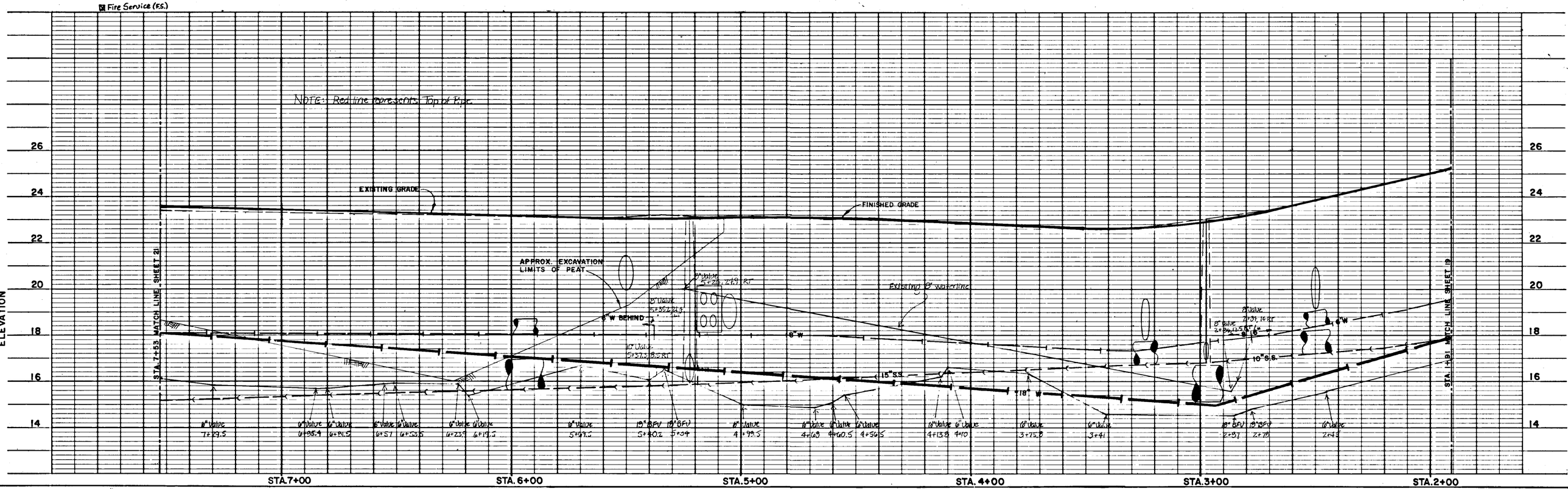
STATE OF ALASKA 49TH
P. Bednarowicz CE-5104
REGISTERED PROFESSIONAL ENGINEER

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	20	25

UTILITIES STA. 1+91 THRU STA. 7+53

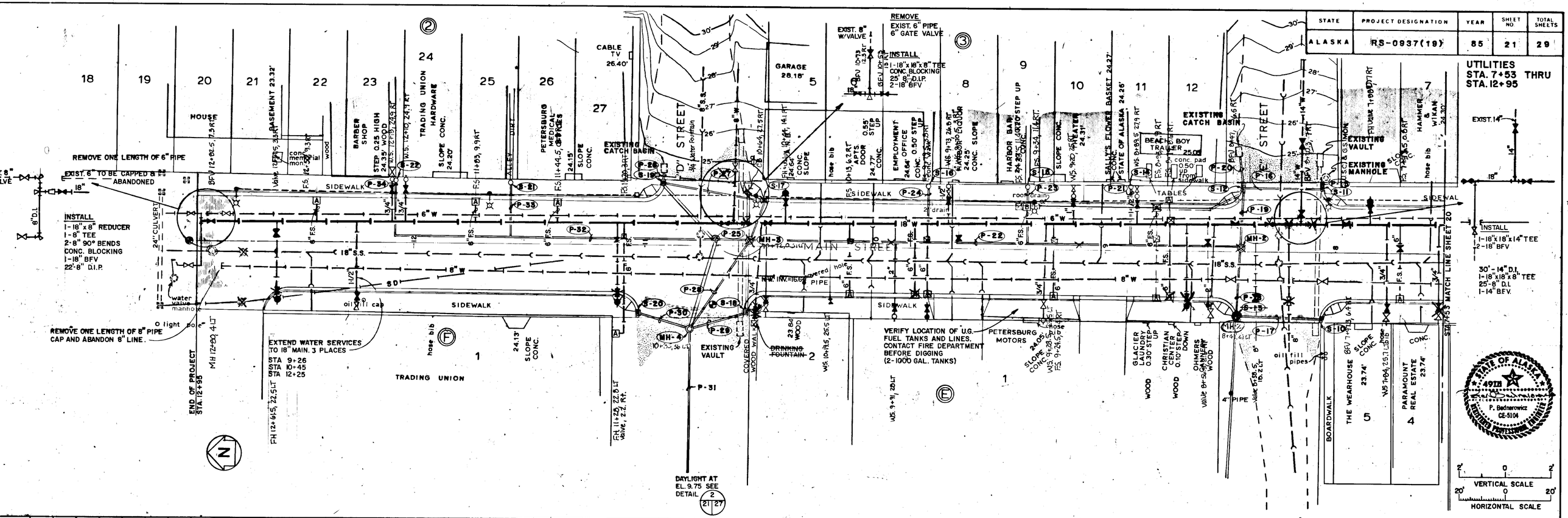


Fire Service (F.S.)

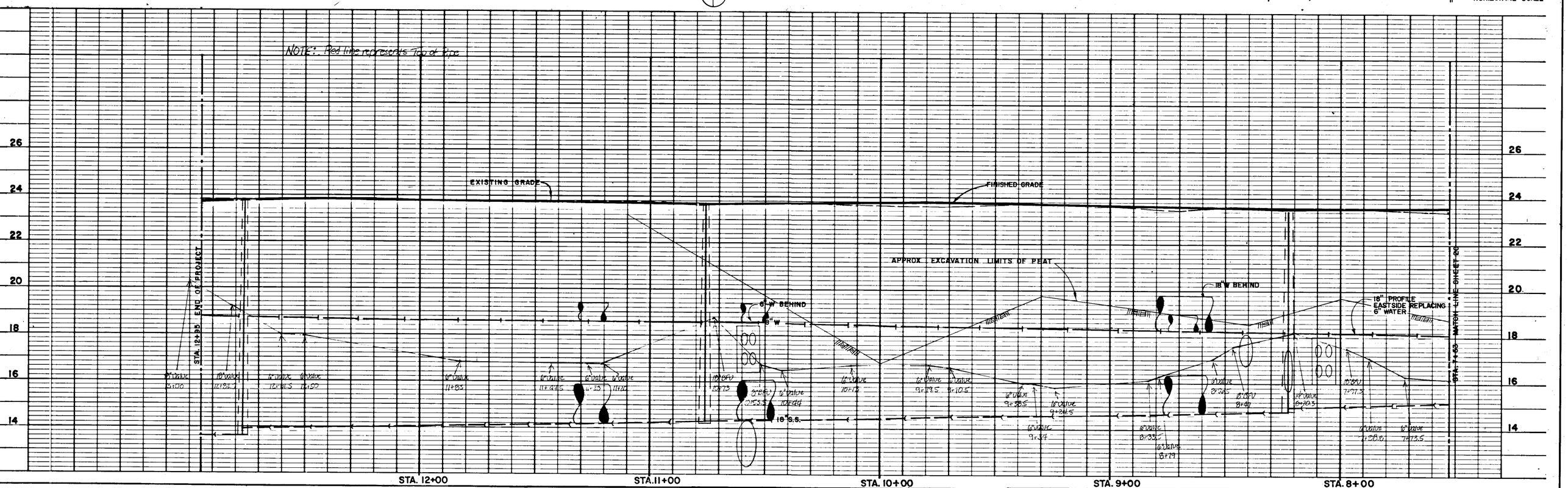


STATE	PROJECT DESIGNATION	YEAR	SHEET NO	TOTAL SHEETS
ALASKA	RS-0937(19)	85	21	29

UTILITIES STA. 7+53 THRU STA. 12+95

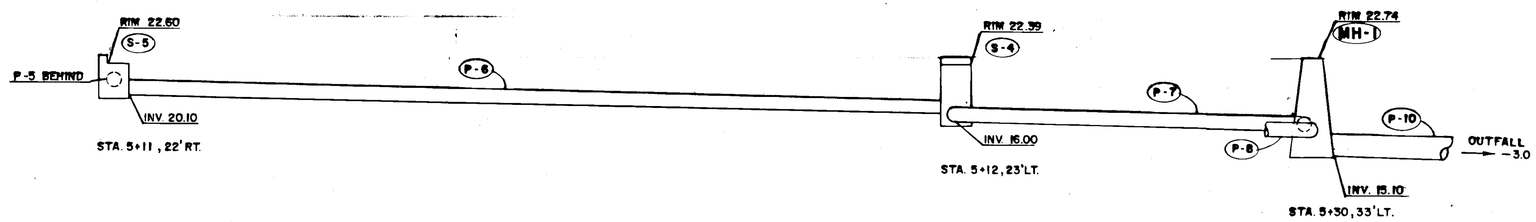


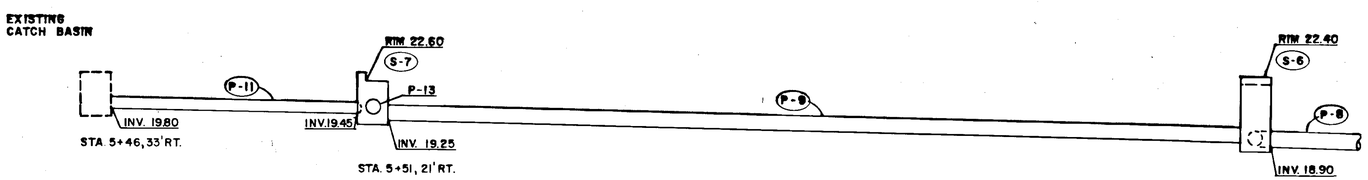
NOTE: Red line represents Top of Pipe

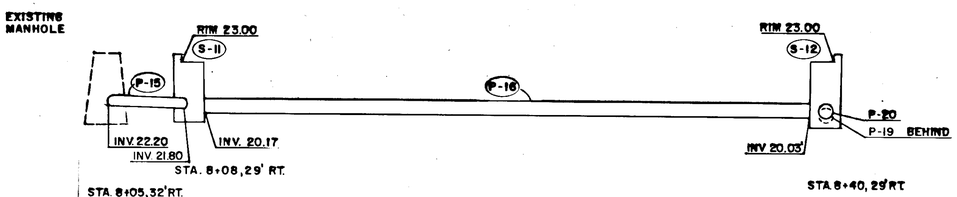


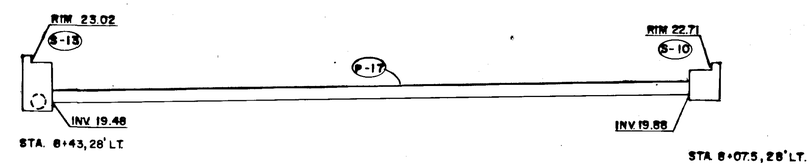
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	22	29

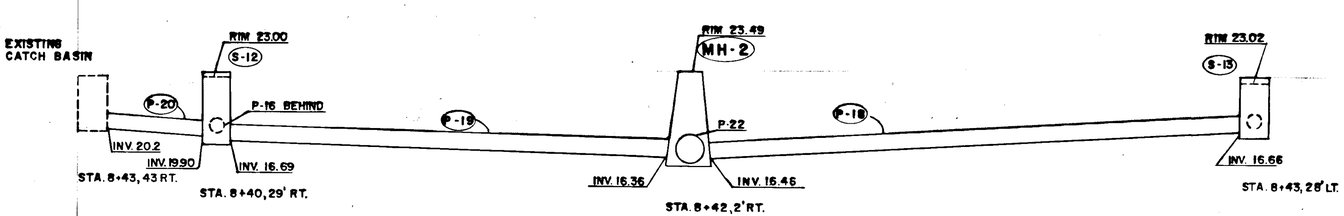
DRAINAGE DETAILS

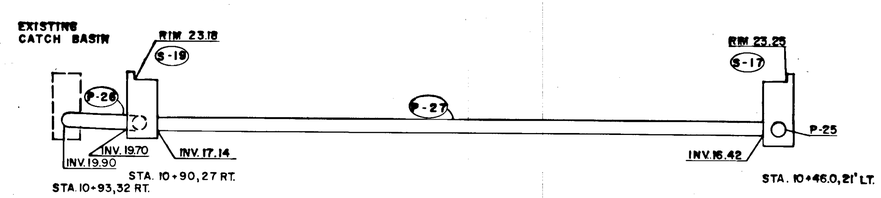


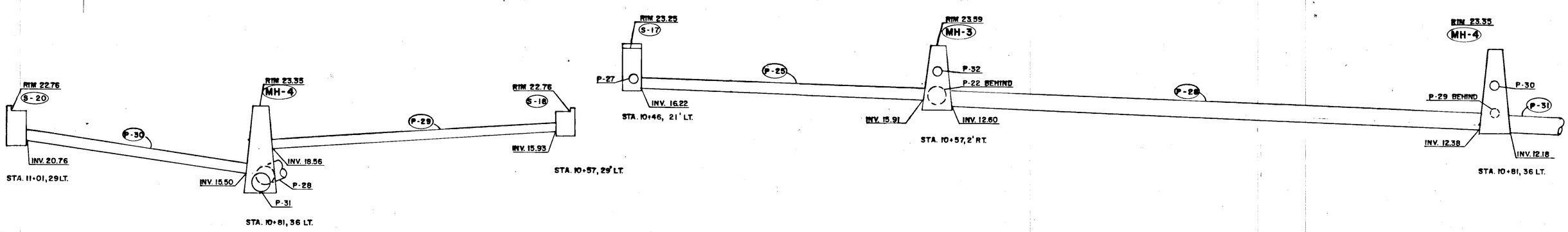


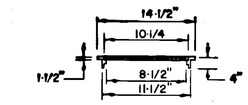








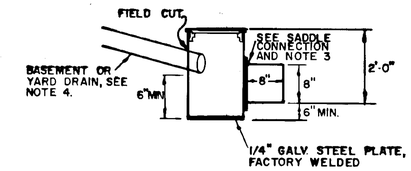




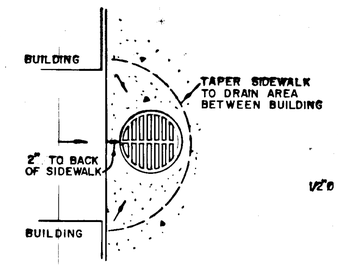
FIELD INLET FRAME & OPEN GRATE LTD DETAIL

NOTE:

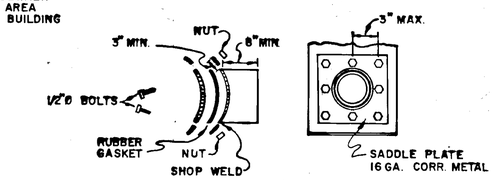
FRAME & OPEN GRATE LTD SHALL WEIGHT A MINIMUM OF 50 POUNDS. NEENAH NUMBER R-5901-A OR APPROVED EQUAL.



12" FIELD INLET



FIELD INLET PLAN DETAIL



TOP SECTION FRONT SECTION

SADDLE CONNECTION DETAIL

NOTES:

1. SEE DRAINAGE DETAILS FOR LOCATIONS OF FIELD INLETS, ELEVATIONS AND STUB-OUT LOCATIONS.

2. THE RUBBER GASKET USED IN THE SADDLE CONNECTION SHALL CONFORM TO SECTION 705-2.05 OF THE STANDARD SPECIFICATIONS.

3. FACTORY WELD MAY BE SUBSTITUTED FOR SADDLE CONNECTION DETAIL.

4. BASEMENT AND YARD DRAIN CONNECTIONS WILL BE MADE WITH PVC OR METAL PIPE OF THE SAME SIZE OR LARGER THAN THE EXISTING PIPE. THE CONNECTIONS WILL BE SEALED IN A MANOR APPROVED BY THE ENGINEER. PAYMENT FOR MATERIALS AND LABOR FOR THIS WORK WILL BE INCIDENTAL TO OTHER DRAINAGE ITEMS.

5. ALL WORK INVOLVED WITH GRADING AREAS, DIRECTLY ADJACENT TO THE FIELD INLET, SHALL BE CONSIDERED INCIDENTAL TO PAY ITEM 604.

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	23	29

DRAINAGE SUMMARYS

PIPE SUMMARY

STRUCTURE	DIA.	LENGTH	FROM STRUC	FROM EL.	TO STRUC.	TO EL.
P-01	08	17	* 6	20.63	P-2	19.69
P-02	12	72	P-3	20.12	* 1	19.42
P-03	08	20	S-2	20.92	P-2	20.29
P-04	08	19	* 7	21.12	P-5	20.93
P-05	12	60	P-4	20.76	S-5	20.30
P-06	18	43	S-6	20.10	S-4	18.17
P-07	18	18	S-4	16.00	MH-1	15.30
P-08	18	16	S-6	18.05	MH-1	17.55
P-09	18	45	S-7	19.25	S-6	18.25
P-10	24	280	MH-1	15.10	**	- 3.0
P-11	18	13	* 2	19.80	S-7	19.45
P-12	08	18	* 8	21.13	P-13	20.51
P-13	12	159	P-14	21.04	S-7	19.45
P-14	08	13	S-9	21.47	P-13	21.21
P-15	08	04	* 3	22.20	S-11	21.80
P-16	12	32	S-11	20.17	S-12	20.03
P-17	12	35	S-10	19.88	S-13	19.48
P-18	18	28	S-13	16.66	MH-2	16.46
P-19	18	23	S-12	16.69	MH-2	16.36
P-20	18	15	* 4	20.2	S-7	19.90
P-21	08	30	S-14	21.60	P-22	15.93
P-22	24	214	MH-2	15.86	MH-3	14.26
P-23	08	28	S-15	21.68	P-22	15.59
P-24	08	28	S-16	21.75	P-22	15.27
P-25	18	23	S-17	16.22	MH-3	15.91
P-26	18	04	* 5	19.90	S-19	19.70
P-27	18	42	S-19	17.14	S-17	16.42
P-28	24	44	MH-3	12.60	MH-4	12.38
P-29	18	26	S-18	15.93	MH-4	15.50
P-30	18	22	S-20	20.76	MH-4	18.56
P-31	24	220	MH-4	12.18	**	- 3.0
P-32	12	153	P-34	20.57	MH-3	16.00
P-33	08	22	S-21	21.72	P-32	19.41
P-34	08	22	S-22	21.80	P-32	20.74

** OUTFALL

* 1 EXIST INLET BOX STA. 3+37. RT 21'
* 2 EXIST CATCH BASIN STA. 5+46, RT 33'
* 3 EXIST CATCH BASIN STA. 8+05, RT 32'
* 4 EXIST CATCH BASIN STA. 8+43, RT 43
* 5 EXIST CATCH BASIN STA. 10+93, Rt 32'
* 6 CONNECT TO EXISTING BUILDING ROOF DRAIN STA. 3+48, RT 37'
* 7 CONNECT TO EXISTING BUILDING ROOF DRAIN STA. 8+55, RT 39'
* 8 CONNECT TO EXISTING BUILDING ROOF DRAIL STA. 6+55, RT 33'

INLET SUMMARY

STRUCTURE	TYPE	LOCATION	OFFSET LEFT	OFFSET RIGHT	TOP RIM EL.	INVERT EL.
S-02	Field	~~06+19~~ ~~04+18~~		~~26.9~~ ~~30~~	22.92	20.92
S-04	A	05+12.5	~~23~~ 24.2		22.39	18.17 (E) 16.00 (NW)
S-05	A	~~05+13~~ 05+12.5		~~22~~ 21.6	22.60	20.30 (S) 20.10 (N)
S-06	A	~~05+06~~ 05+48	~~23~~ 25.0		22.40	18.25 (E) 18.90 (SW)
S-07	A	~~05+51~~ 05+56		~~21~~ 22.2	22.60	19.45 (N) 19.25 (W) 19.45 (SE)
S-09	Field	07+16.5 ~~07+14~~		~~28.4~~ ~~32~~	23.47	21.47
S-10	A	08+16 ~~08+07.5~~	28		22.71	19.88
S-11	A	~~08+08~~ 08+14		29.4	23.00	21.80 (W) 20.17 (N)
S-12	A	~~08+40~~ 08+45 DELETED		29.2	23.00	19.90 (E) 18.03 (W) 20.03 (S)
~~S-13~~	~~A~~	~~08+43~~	~~28~~		~~23.02~~	~~16.66 (W)~~ 19.48 (S)
S-14	Field	~~08+90~~ 08+12		~~30~~ 29.1	23.60	21.60
S-15	Field	~~09+34~~ 09+38		29.8	23.68	21.68
S-16	Field	~~09+78~~ 09+80		~~29~~ 28.4	23.75	21.75
S-17	A	~~10+46~~ 10+64		~~21~~ 27.5	23.25	16.22 (W) 16.42 (N)
S-18	A	~~10+57~~ 10+67.5	29		22.76	15.93
S-19	A	~~10+90~~ 10+18		~~27~~ 26.7	23.18	19.70 (E) 17.14 (S)
S-20	A	11+08 ~~11+01~~	30 ~~29~~		22.76	20.76
S-21	Field	11+62 ~~11+59~~		~~29~~ 28.7	23.72	21.72
S-22	Field	~~12+10~~ 12+14.5		~~29~~ 28.2	23.80	21.80

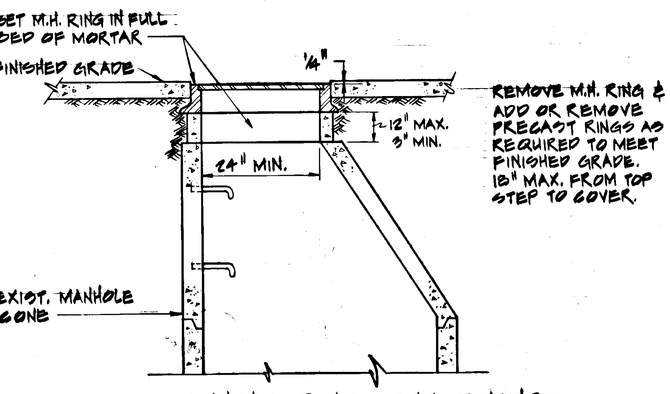
MANHOLE SUMMARY

STRUCTURE	TYPE	LOCATION	OFFSET LEFT	OFFSET RIGHT	TOP RIM EL.	INVERT EL.
MH-1		~~05+30~~ 05+31	~~33~~ 31.6		22.74	15.30 (SE) 17.55 (NE) 15.10 (W)
MH-2		~~08+42~~ 08+47	27.0	~~2~~	23.49	16.36 (E) 16.46 (W) 15.86 (N)
MH-3		~~10+57~~ 10+72		~~2~~ 0.5	23.59	15.91 (E) 14.26 (S) 12.60 (NW) 16.00 (N)
MH-4		~~10+81~~ 10+85	36		23.35	15.50 (S) 18.56 (N) 12.38 (SE) 12.18 (W)

STATE OF ALASKA 49TH P. Bechkowicz CE-5104 REGISTERED PROFESSIONAL ENGINEER

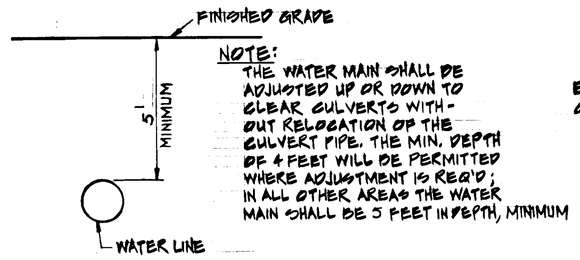
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	24	29

UTILITY DETAILS



MANHOLE RING ADJUSTMENT

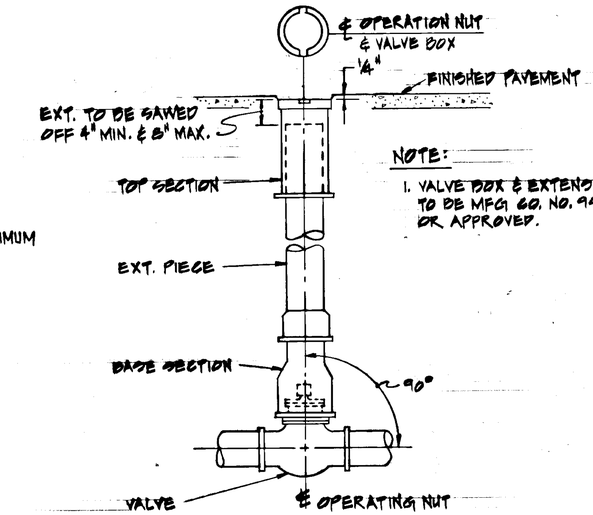
N.T.S.



NOTE:
THE WATER MAIN SHALL BE ADJUSTED UP OR DOWN TO CLEAR CULVERTS WITHOUT RELOCATION OF THE CULVERT PIPE. THE MIN. DEPTH OF 4 FEET WILL BE PERMITTED WHERE ADJUSTMENT IS REQ'D; IN ALL OTHER AREAS THE WATER MAIN SHALL BE 5 FEET IN DEPTH, MINIMUM

WATERLINE INSTALLATION DETAIL

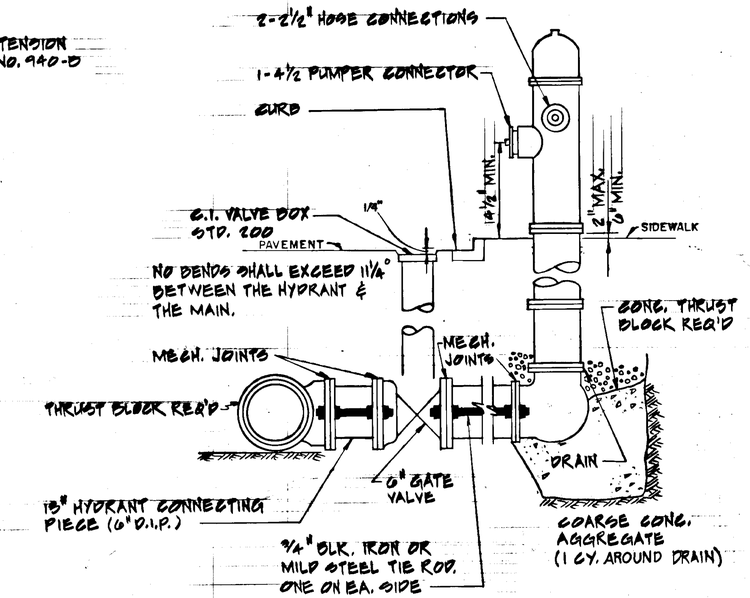
N.T.S.



NOTE:
1. VALVE BOX & EXTENSION TO BE MFG. CO. NO. 940-D OR APPROVED.

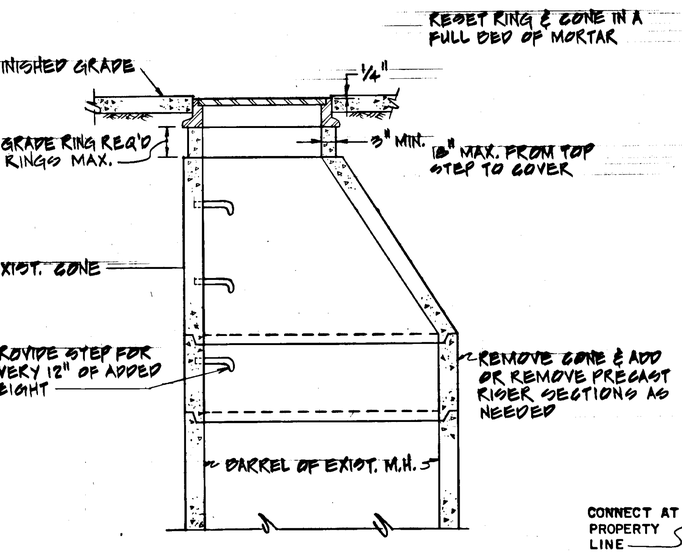
TYPICAL VALVE BOX

N.T.S.



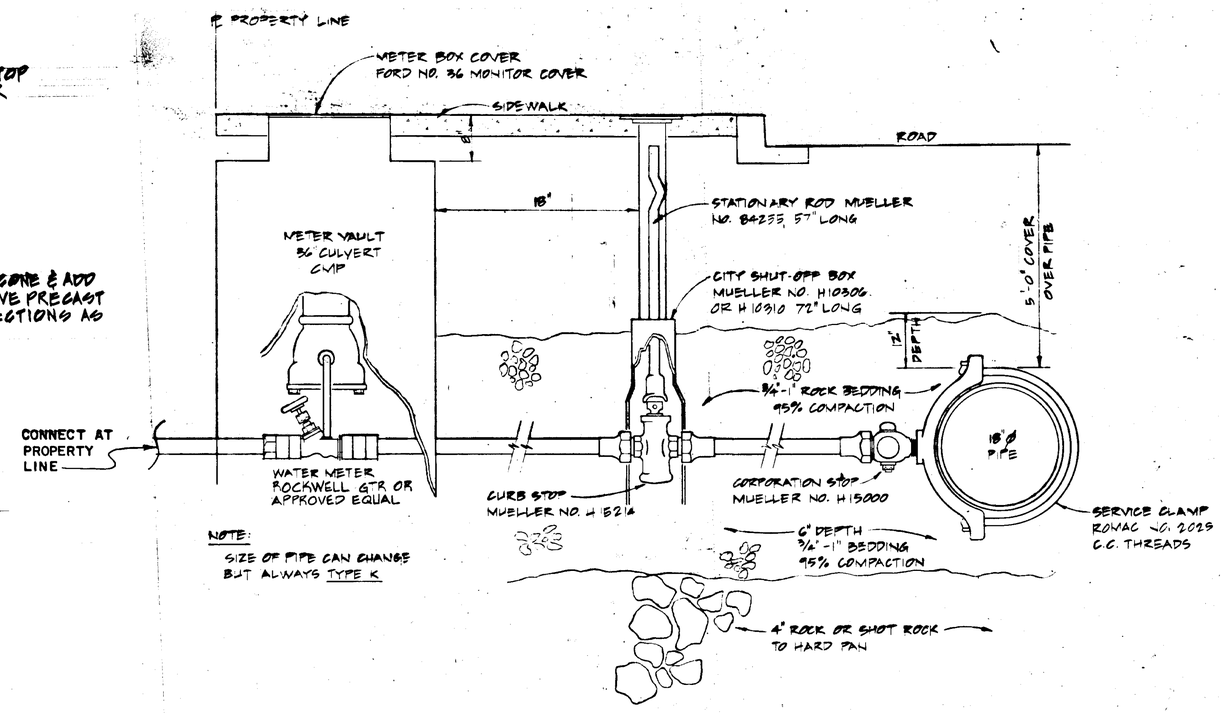
FIRE HYDRANT INSTALLATION DETAIL

N.T.S.



MANHOLE CONE ADJUSTMENT

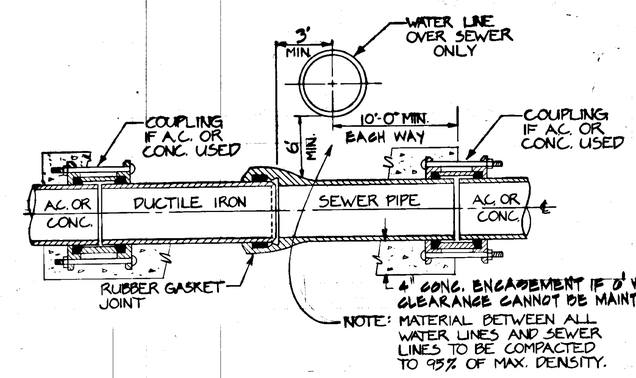
N.T.S.



NOTE:
SIZE OF PIPE CAN CHANGE BUT ALWAYS TYPE K

WATER SERVICE CONNECTION & CURB BOX DETAIL

N.T.S.



NOTE: MATERIAL BETWEEN ALL WATER LINES AND SEWER LINES TO BE COMPACTED TO 95% OF MAX. DENSITY.

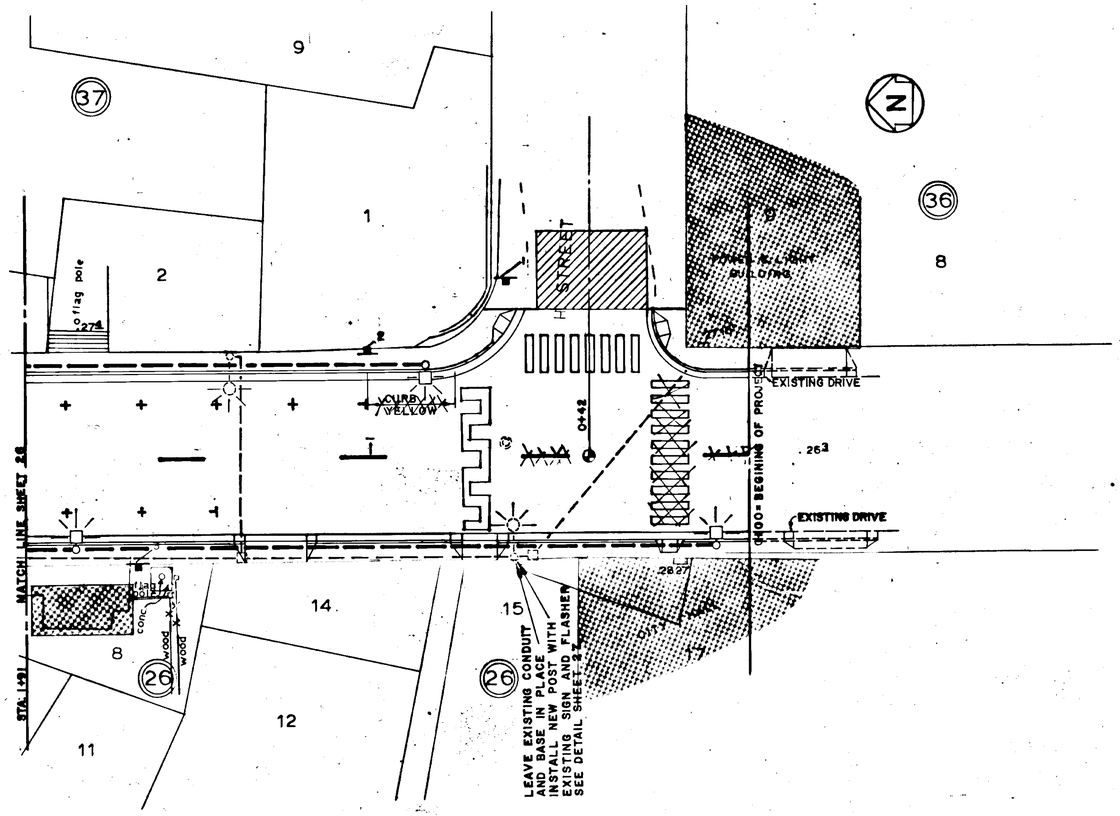
SEWER-WATER CROSSING DETAIL

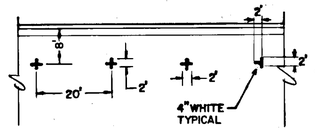
(PER. PETERSBURG STD DETAIL 231) N.T.S.

STATE OF ALASKA 49TH P. Bednarowicz CE-5104 REGISTERED PROFESSIONAL ENGINEER

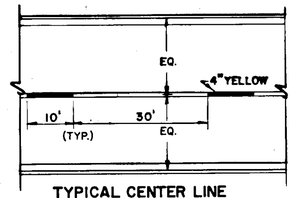
STATE	PROJECT DESIGNATION	YEAR	SHEET NO	TOTAL SHEETS
ALASKA	RS-0937(19)	85	25	29

SIGNING, STRIPING, & ILLUMINATION
STA. 0+00 THRU STA. 1+91

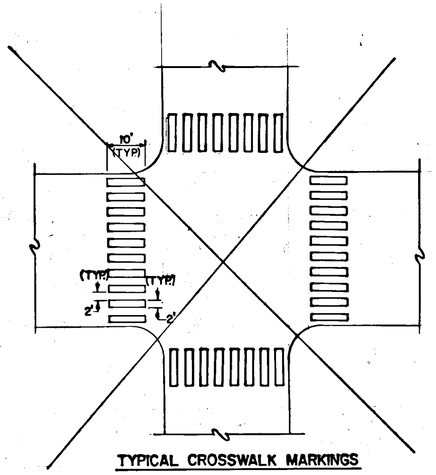




TYPICAL PARKING SPACE-LIMIT MARKING



TYPICAL CENTER LINE STRIPE PLAN



TYPICAL CROSSWALK MARKINGS

NOTE:
1. ALL PAVEMENT MARKINGS SHALL BE PAINTED
2. MARKINGS AS SHOWN IN THE PLAN ARE APPROXIMATE ONLY. THE EXACT LOCATIONS SHALL BE DETERMINED AFTER GRADE IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR ALL ALIGNMENT LAYOUT, SUBJECT TO ENGINEER'S APPROVAL.

LIGHTING SCHEDULE

STATION	OFFSET LEFT	OFFSET RIGHT
~~0+85~~ 17	23'	
0+85 83		23'
1+77 76	23'	
2+53 52		23'
3+27 30	23'	
4+51 11.5		23'
~~5+07~~ 4+98	23'	
5+66 65		~~22'~~ 23'
6+64 63.5	22'	
7+64 62		22'
8+52 51	22'	
9+50 49.5		22'
10+~~46~~ 51.5	22'	
11+~~14~~ 12.5		22'
12+12	22'	

STATE OF ALASKA 49TH
P. Bednarowicz CE-5104

SIGNING SCHEDULE

POST NO	STATION	OFFSET LEFT	OFFSET RIGHT	CODE NO	LEGEND	SIGN PANEL SIZE	SIGN PANEL AREA	FACING	POST LENGTH	REMARKS
1	~~0+64~~ 0+65		~~46'~~ 34'	*D3-1 *D3-1 R1-1	NORDIC DR. HAUGEN DR. STOP	30 X 8 30 X 8 30 X 30	1.67 1.67 6.25	EAST SOUTH EAST	14'	
2	1+00		28'	R7-101R R7-108L	NO PARKING ANY TIME 15 MIN PARKING MON. - SAT. 8 AM - 6 PM	12 X 18 12 X 18	1.50 1.50	WEST WEST	13'	
3	~~1+62~~ 1+60	28'		R7-108B	15 MIN PARKING MON. - SAT. 8 AM - 6 PM	12 X 18	1.50	EAST	12'	
4	2+21		28'	R7-8L R7-108R	RESERVED PARKING 15 MIN PARKING MON. - SAT. 8 AM - 6 PM	12 X 18 12 X 18	1.50 1.50	WEST WEST	13'	
5	2+44	28		R7-108L R7-101R	15 MIN. PARKING MON. - SAT. 8 AM - 6 PM NO PARKING ANYTIME	12 X 18 12 X 18	1.50 1.50	EAST EAST	13'	
6	2+44		28'	R7-8R R7-101L	RESERVED PARKING NO PARKING ANYTIME	12 X 18 12 X 18	1.50 1.50	WEST WEST	13'	
7	2+~~77~~ 76	~~48~~ 47		R1-1	STOP	30 X 30	6.25	WEST	13'	
8	~~3+10~~ 3+11		~~46'~~ 54'	*D3-1 *D3-1 R1-1	NORDIC DRIVE GJOA STREET STOP	30 X 8 24 X 8 30 X 30	1.67 1.50 6.25	EAST SOUTH EAST	14'	
9	3+~~40~~ 39		~~23'~~ 23.1	R7-101R	NO PARKING ANYTIME	12 X 18	1.50	WEST	12'	
10	~~3+40~~ 3+38.5	~~29'~~ 28.1		R7-101L	NO PARKING ANYTIME 24 HOUR PARKING LIMIT	12 X 18	1.50 *	EAST WEST	12'	SALVAGE & RELOCATE FROM EXISTING POST AT 3+63/LT. 29
11	4+35	29'		R7-108	1 HR PARKING 8 AM - 6 PM 24 HOUR PARKING LIMIT	12 X 18	1.50 *	EAST WEST	13'	SALVAGE & RELOCATE FROM EXISTING POST AT 4+95/LT. 25
12	4+~~89~~ 50.5		23'	R7-106	NO PARKING LOADING ZONE	12 X 18	1.50	WEST	12'	
13	4+~~83~~ 87	~~28'~~ 28		R7101R	NO PARKING ANYTIME	12 X 18	1.50	EAST	12'	
14	4+~~85~~ 86		23'	R7-101	NO PARKING ANYTIME	12 X 18	1.50	WEST	12'	
15	~~5+08~~ 5+01	~~28'~~ 29.4		R3-4	(R) NO U TURN	30 X 30 24 X 18	6.25 3.00	NORTH NORTH	14'	
16	~~5+50~~ 5+45.5		~~34'~~ 38.8	*D3-1 *D3-1 R1-1	NORDIC DRIVE FRAM STREET STOP	30 X 8 24 X 8 30 X 30	1.67 1.33 6.25	EAST SOUTH EAST	14'	
17	~~5+60~~ 5+61.7	~~22'~~ 21.8		R6-1R R6-1L	ONE WAY ONE WAY	36 X 12 36 X 12	3.00 3.00	NORTH SOUTH	11'	
18	~~5+72~~ 5+62.8		~~24'~~ 21.9	R3-4	(R) NO U TURN	30 X 30 24 X 18	6.25 3.00	SOUTH SOUTH	14'	
19	~~5+82~~ 5+84	22'		R7-101L R7-108R	NO PARKING ANYTIME 1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18 12 X 18	1.50 1.50	EAST EAST	13'	
20	~~6+81~~ 6+83	22'		R7-108	1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18	1.50	EAST	12'	
21	~~6+91~~ 6+86		22'	R7-108	1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18	1.50	EAST		
22	~~7+76~~ 7+74		~~22'~~ 21.8	R7-101L R7-108R	NO PARKING ANYTIME 1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18 12 X 18	1.50 1.50	WEST WEST		
23	~~7+76~~ 7+78	~~22'~~ 22.2		R7-101R R7-108L	NO PARKING ANYTIME 1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18 12 X 18	1.50 1.50	EAST EAST		
24	~~8+05~~ 8+05	30'		R1-1	STOP	30 X 30	6.25	WEST		
25	~~8+47~~ 8+46.5		~~30'~~ 33.8	*D3-1 *D3-1 R1-1	NORDIC DRIVE EXCEL STREET STOP	30 X 8 24 X 8 30 X 30	1.67 1.33 6.25	EAST SOUTH EAST		
26	~~8+64~~ 8+63		22'	R3-4	(R) NO U TURN	30 X 30 24 X 18	6.25 3.00	SOUTH SOUTH		
27	~~8+74~~ 8+79		22'	R7-101R R7-108L	NO PARKING ANYTIME 1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18 12 X 18	1.50 1.50	WEST WEST		
28	~~8+74~~ 8+75.5	22'		R7-101L R7-108R	NO PARKING ANYTIME 1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18 12 X 18	1.50 1.50	EAST EAST		
29	10+28.5		22'	R7-101L R7-1018R	NO PARKING ANYTIME 1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18 12 X 18	1.50 1.50	WEST WEST		
30	~~10+28~~ 10+32.5	22'		R7-101R R7-108L	NO PARKING ANYTIME 1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18 12 X 18	1.50 1.50	EAST EAST		
31	~~11+04~~ 11+00		~~37'~~ 30.2	*D3-1 *D3-1 R1-1	NORDIC DRIVE DOLPHIN STREET STOP	30 X 8 30 X 8 30 X 30	1.67 1.67 6.25	EAST SOUTH EAST		
32	~~11+14~~ 11+00		~~22'~~ 22.1	R3-4	(R) NO U TURN	30 X 30 24 X 18	6.25 3.00	SOUTH SOUTH	14'	MOUNT ON LUMINAIRE POLE
33	~~11+35~~ 11+30		22'	R7-101R R7-108L	NO PARKING ANYTIME 1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18 12 X 18	1.50 1.50	WEST WEST	13'	
34	~~11+35~~ 11+43.5	22'		R7-101L R7-108R	NO PARKING ANYTIME 1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18 12 X 18	1.50 1.50	EAST EAST	13'	
35	12+~~42~~ 46	22'		R7-108	1 HOUR PARKING	12 X 18	1.50	EAST	12'	
36	~~12+65~~ 12+11.5		~~22'~~ 21.8	R7-108	1 HR PARKING 8 AM - 6 PM MON. - SAT.	12 X 18	1.50	WEST	12'	

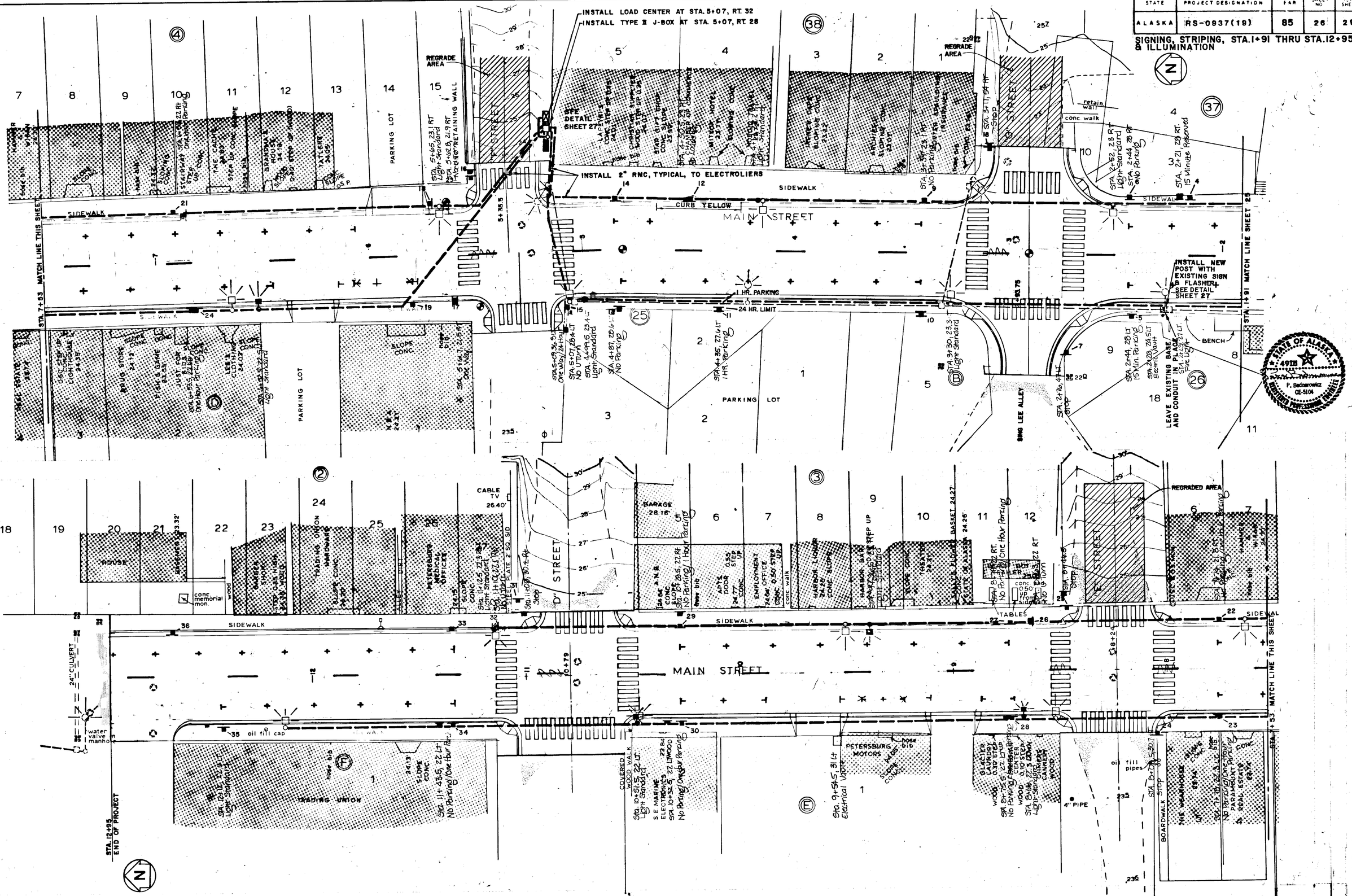
* NOT IN CONTRACT. TO BE INSTALLED BY CITY OF PETERSBURG.

ILLUMINATION GENERAL NOTES

1. ALL WIRES SHALL BE IN RIGID METAL CONDUIT (RMC).
2. ALL CONDUIT FOR ILLUMINATION CIRCUITS SHALL BE 2" RIGID METAL.
3. EXISTING ILLUMINATION CONDUIT MAY BE ABANDONED IN-PLACE.
4. ALL RECEPTICALS FOR FESTOON OUTLETS SHALL BE GROUND FAULT PROTECTED.
5. LOAD CENTER CABINET SHALL BE HOT-DIPPED GALVANIZED. DIMENTIONS SHOWN ON LOAD CENTER DETAIL ARE NOMINAL.
6. 2 - POLE, MAGNETIC CONTACTOR SHALL BE RATED AT 100 AMPS.
7. 4 - 2 WIRE, 240, V, 20A CIRCUITS FOR LIGHTING ARE REQUIRED.
8. 4 - 120 V, 20A, UNSWITCHED CIRCUITS FOR FESTOON OUTLETS ARE REQUIRED.
9. ALL LUMINAIRE POLES SHALL HAVE A WEATHERPROOF FESTOON OUTLET NEAR MAST ARM.
10. CONDUCTORS FOR ILLUMINATION CIRCUITS SHALL BE #8 AWG - XHHW.
11. CONDUCTORS FOR FESTOON OUTLETS SHALL BE #12 AWG, 3 - CONDUCTOR CABLE, IMSA SPEC. 20-1 OR EQUAL.
12. LUMINAIRES SHALL BE HIGHPRESURE SODIUM, 150 W, 240 V, MEDIUM CUT-OFF TYPE III WITH DARK BRONZE PAINTED STEEL HOUSING (#ICE C575N538 OR EQUAL).
13. LUMINAIRE POLES SHALL BE SQUARE, NON-TAPERED DARK BRONZE ANODIZED ALUMINUM WITH A 30 FOOT MOUNTING HEIGHT.
14. NEW POLES FOR "FIRE TRUCK" FLASHING BEACONS SHALL BE A 4" RMC WITH SPECIAL FABRICATED BASE. POST TOP ADAPTORS, POLES WITH BASE AND INSTALLATION OF FLASHING BEACONS SHALL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE CONSIDERED INCIDENTAL TO ITEM 660(3).
15. CONTRACTOR SHALL MAINTAIN TEMPORARY OR PERMANENT LIGHTING SYSTEM THROUGHOUT CONSTRUCTION. TEMPORARY LIGHTING SHALL BE CONSIDERED INCIDENTIAL TO ITEM 115(1).

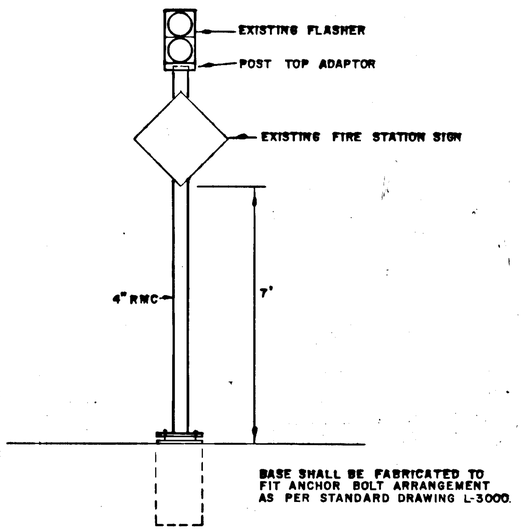
STATE	PROJECT DESIGNATION	FAR	SHEET NO	TOTAL SHEETS
ALASKA	RS-0937(19)	85	26	29

SIGNING, STRIPING, STA.1+91 THRU STA.12+95 & ILLUMINATION

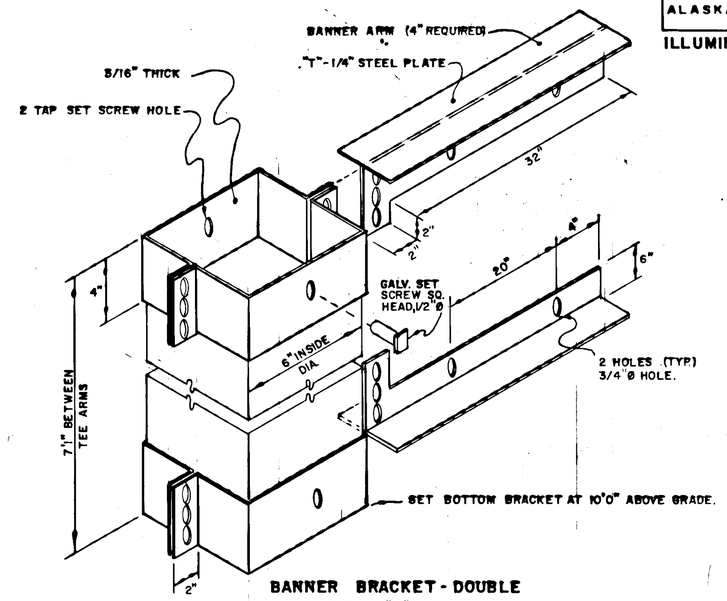


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	27	29

ILLUMINATION DETAILS & NOTES



FLASHER AND SIGNING DETAIL

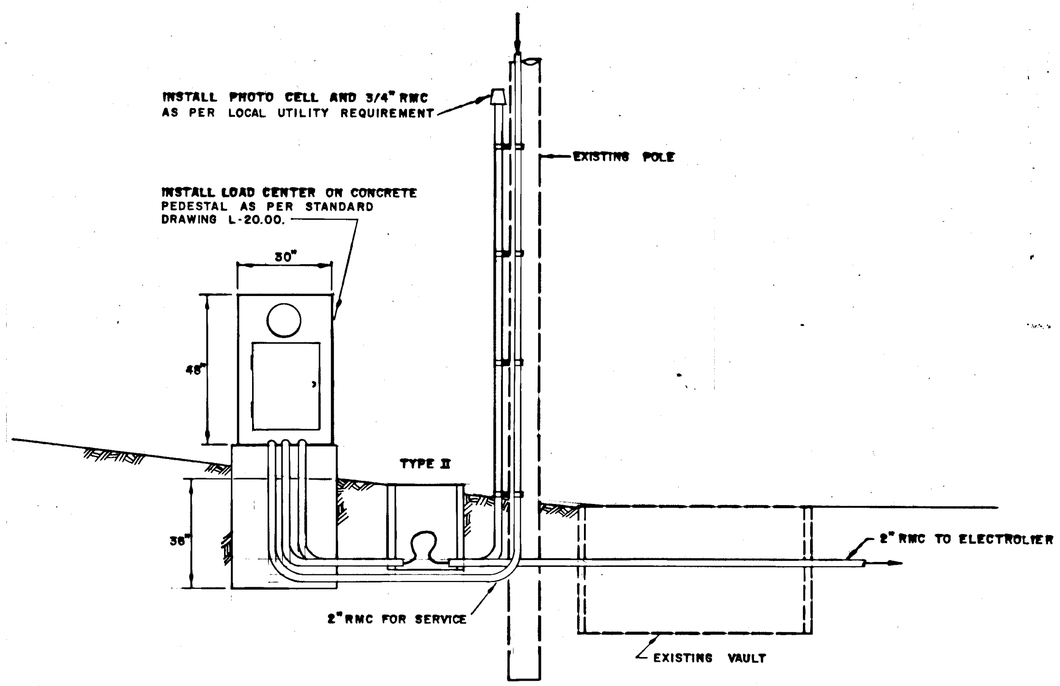


BANNER BRACKET - DOUBLE
DETAIL "C"

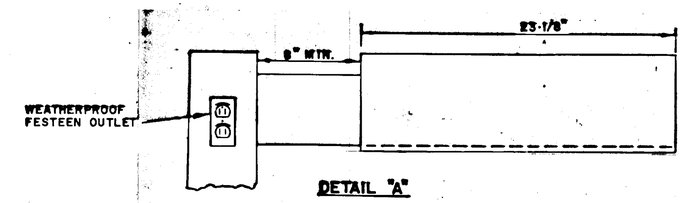
NOTE:

1. SET BRACKETS ON POLES SO THAT ARMS ARE PARALLEL TO ROADWAY.
2. ROUND ALL SHARP EDGES ON TEE ARMS.
3. PROVIDE ONE (1) SET OF BANNER BRACKETS PER LUMINAIRE (15 TOTAL)
4. BRACKETS AND INSTALLATION OF BRACKETS SHALL NOT BE MEASURED FOR PAVEMENT BUT SHALL BE CONSIDERED INCIDENTAL TO ITEM 660 (3).

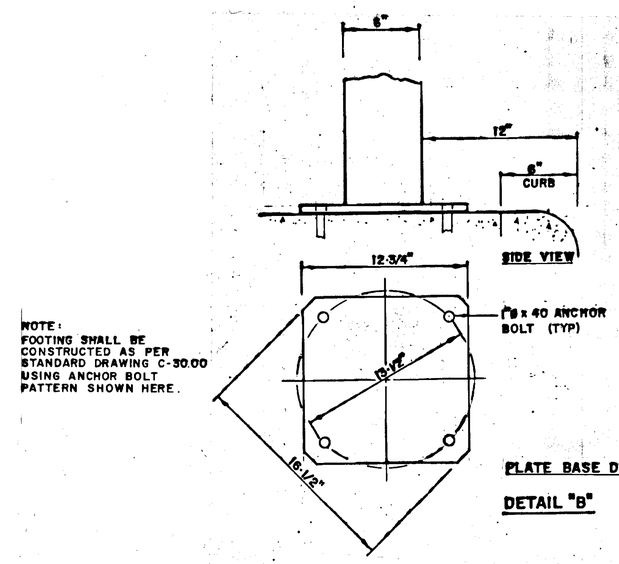
STATE OF ALASKA 49TH P. Bednarowicz CE-5104 REGISTERED PROFESSIONAL ENGINEER



LOAD CENTER DETAIL

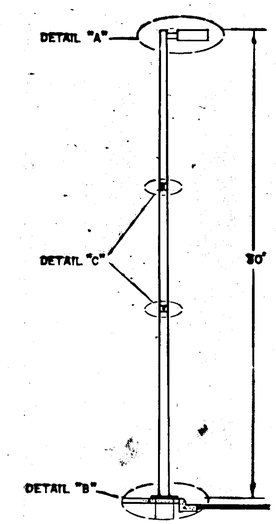


DETAIL "A"



NOTE:
FOOTING SHALL BE CONSTRUCTED AS PER STANDARD DRAWING C-30.00 USING ANCHOR BOLT PATTERN SHOWN HERE.

PLATE BASE DETAIL
DETAIL "B"



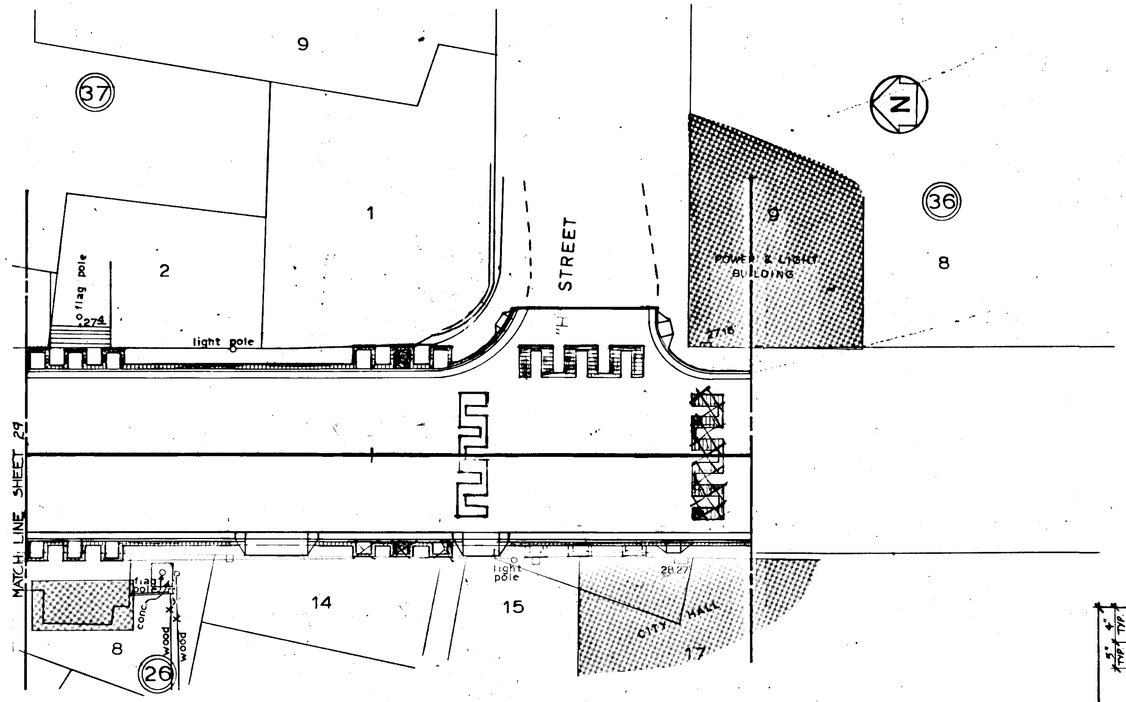
ILLUMINATION DETAIL

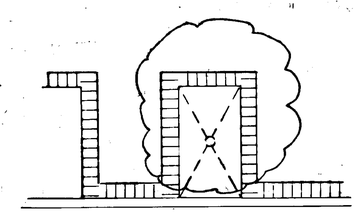
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	28	29

INFORMATION ON THIS SHEET IS LIMITED TO LOCATIONS AND TYPES OF BEAUTIFICATION

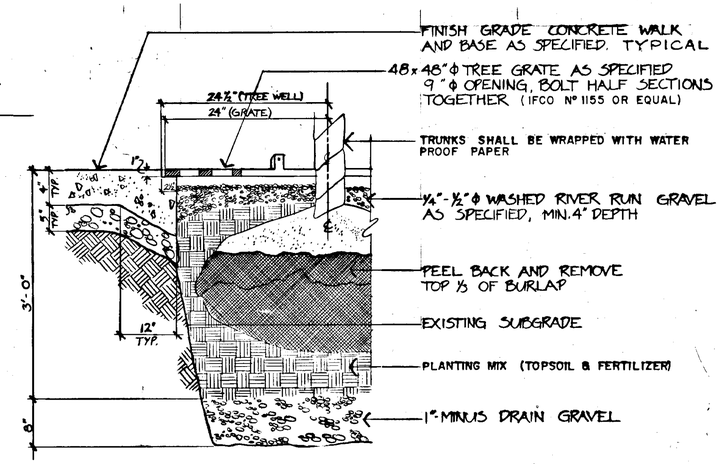
BEAUTIFICATION PLAN & DETAILS

NOTE:
CONSTRUCTION LIMITS FOR CURB, GUTTER, SIDEWALK, & PAVING SHALL BE AS SHOWN ON SHEETS 10-15.



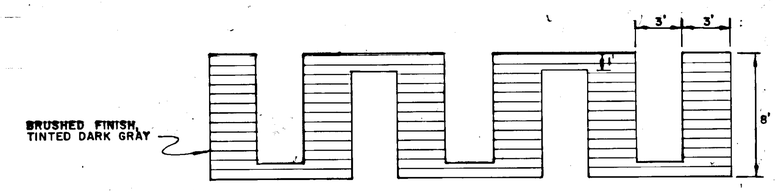


TREE PLANTING PLAN



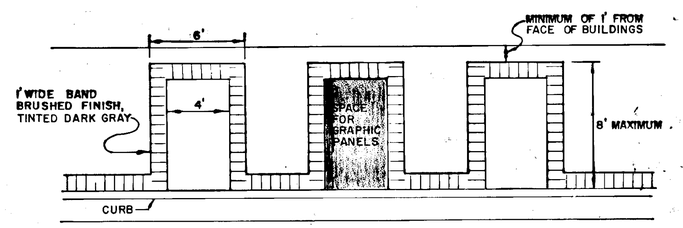
TREE PLANTING DETAIL
SCALE 1" = 1'-0"

PLANTING TREES		
STATION	OFFSET LEFT	OFFSET RIGHT
3+~~51~~ 51		25'
~~4+07~~ 08		25'
4+~~27~~ 28		25'
4+91.5		25'
5+~~77~~ 89	25'	



CROSSWALK FOR CONCRETE PAVEMENT

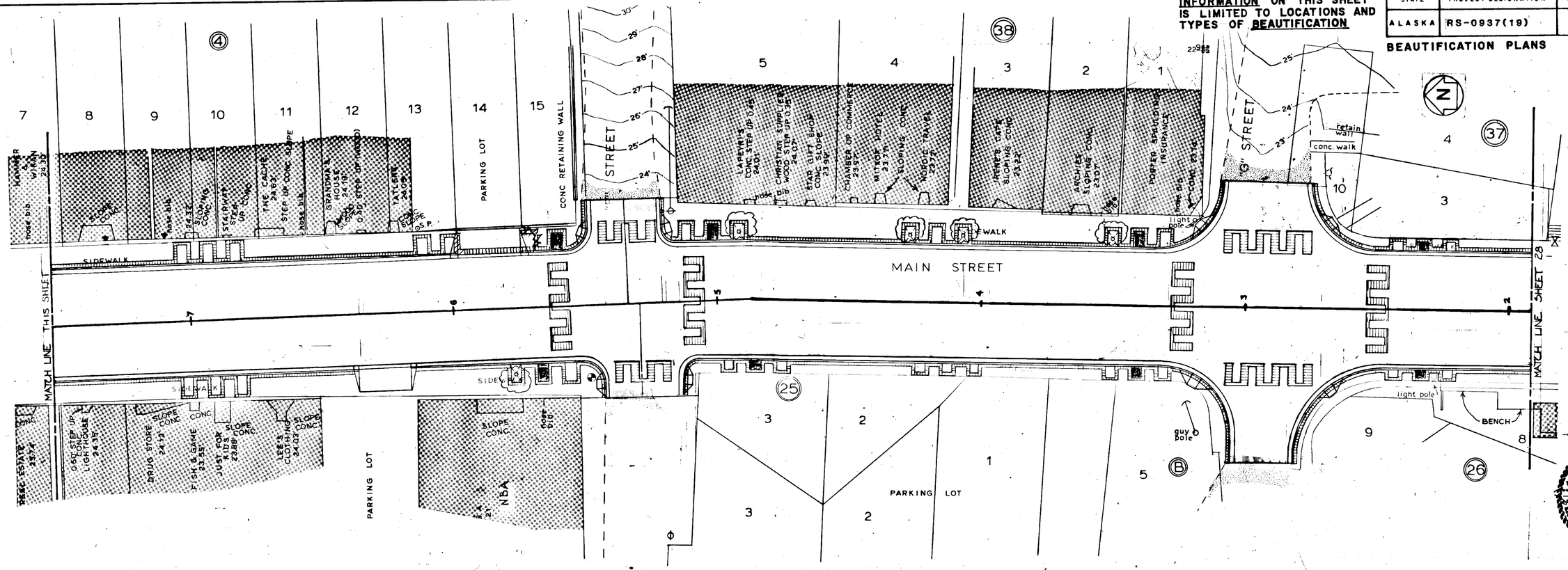
ARTISTIC INLAY SCHEDULE		
STATION	OFFSET LEFT	OFFSET RIGHT
0+39 LT & 0+~~92~~ 95 RT	~~25~~ L	25'
2+37 LT & 2+~~32~~ 38 RT	23'	23'
3+40 LT & 3+~~41~~ 37 RT	24'	24'
4+~~85~~ 87	24'	
5+~~08~~ 01.5		25'
6+04.5 ~~5+60~~		24'
5+~~67~~ 80	24'	
7+~~84~~ 94.5	25'	24'
8+68 & 8+~~65~~ 67	24'	24'
10+40 & 10+~~31~~ 41.5	24'	23'
11+27 LT & 11+~~27~~ 23 RT	24'	24'
12+~~41~~ 51	24'	25'



SIDEWALK BAND AND ARTISTIC INLAY PANEL

STATE OF ALASKA 49TH
P. Bednarowicz
CE-5104
REGISTERED PROFESSIONAL ENGINEER

INFORMATION ON THIS SHEET IS LIMITED TO LOCATIONS AND TYPES OF BEAUTIFICATION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	RS-0937(19)	85	29	29

BEAUTIFICATION PLANS