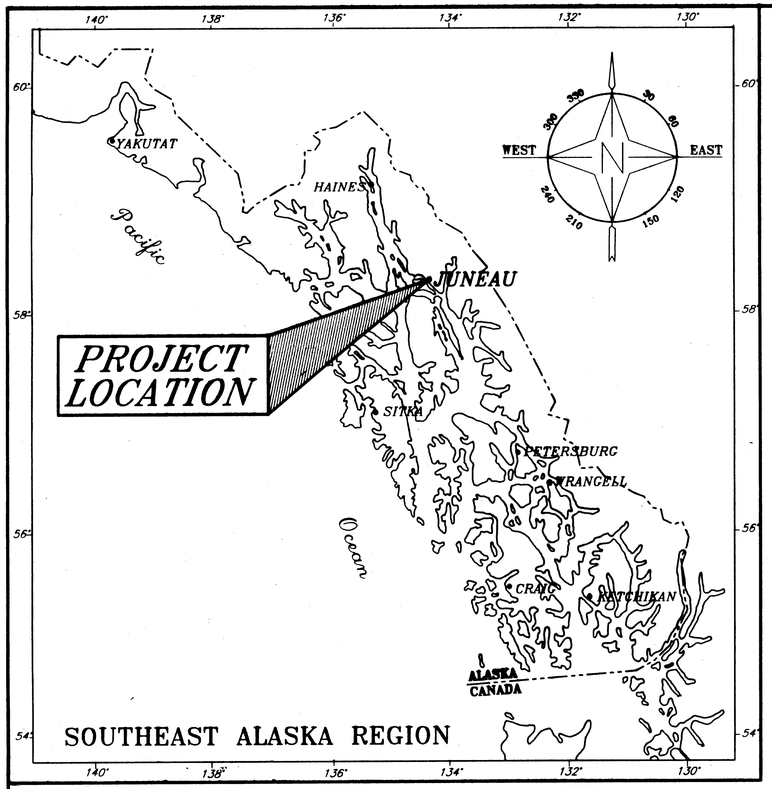


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU, ALASKA

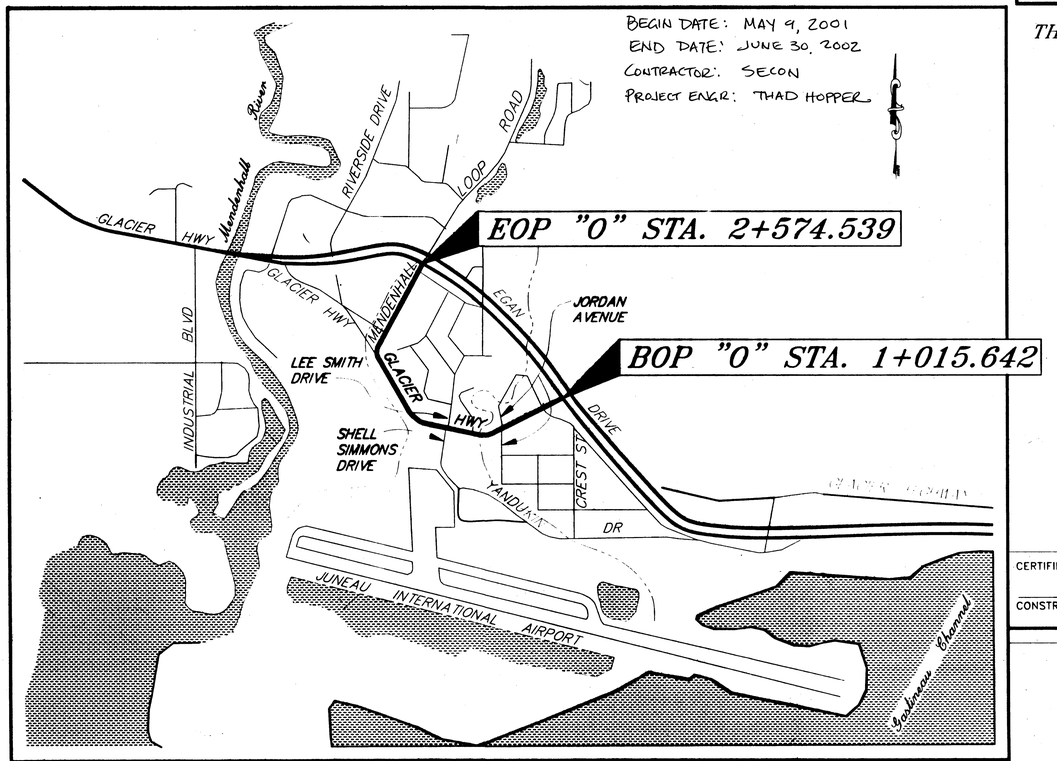
JNU–GLACIER HIGHWAY

EGAN DRIVE TO MENDENHALL LOOP ROAD

STP–F–M–000S(90)
PROJECT NO. 69755

AS-BUILT DRAWINGS

BEGIN DATE: MAY 9, 2001
END DATE: JUNE 30, 2002
CONTRACTOR: SECON
PROJECT ENGR: THAD HOPPER



VICINITY MAP

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	PROJECT CONTROL PLAN
B1–5	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1–17	SUMMARY OF QUANTITIES & DRAINAGE PLANS
E1–10	MISCELLANEOUS DETAILS
F1–9	PLAN & PROFILE SHEETS
F10–17	INTERSECTION PLANS
F18–24	LAYOUT POINT PLANS
I1–7	DUCK CREEK ENVIRONMENTAL WORK PLANS
P1–9	EROSION & SEDIMENT CONTROL PLANS
R1–11	RIGHT–OF–WAY PLANS
S1–20	SIGNALIZATION PLANS
T1–15	SIGNING, STRIPING & ILLUMINATION PLANS
T16–20	CONSTRUCTION SEQUENCING & TRAFFIC CONTROL PLANS
U1–9	UTILITY RELOCATION PLANS

DESIGN DESIGNATION

	EGAN DR. (BOP) TO OLD GLACIER HWY NORTH ("0" STA. 2+115)	OLD GLACIER HWY NORTH ("0" STA. 2+115) TO MEND. LOOP ROAD. (EOP)
ADT 2000	16,040	9,240
ADT 2020	23,830	13,730
DHV 12% (2020)	2,840	1,630
% T	1.8%	1.8%
EAL	1,150,000	700,000
V	60 kph	60 kph

PROJECT SUMMARY

LENGTH OF PROJECT	1558.897m
LENGTH OF GRADING	1558.897m
LENGTH OF PAVING	1558.897m
WIDTH OF PAVING	VARIES (13.20 m TO 22.30 m)

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A–1[M], B–04.02[M] B–05.02[M] C–01.03[M], C–02.01[M], C–04.11[M], D–01.02[M], D–05.10[M], D–20.05[M], D–22.00[M], D–23.00[M], D–24.00[M], D–26.04[M], D–35.02[M], D–36.01[M], D–37.02[M],

E–00.00[M], E–13.00[M], I–20.13[M], I–21.00[M], I–81.00[M], L–03.03[M], L–23.01[M], S–00.00[M], S–05.00[M], S–20.00[M], S–30.01[M],

T–20.01[M], T–21.02[M], T–22.03[M], T–23.00[M], T–31.00[M], T–34.01[M], T–40.00[M], T–52.14[M], U–03.00[M]

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION DESIGN SECTION

APPROVED _____ Date 3/19/01
Regional Preconstruction Engineer

APPROVED _____ Date 3/19/01
Director, S.E. Region

CERTIFIED TRUE & CORRECT OF ACTUAL FIELD CONDITION:

CONSTRUCTION PROJECT MANAGER DATE

AS-BUILT'S ENGINEER'S SEAL

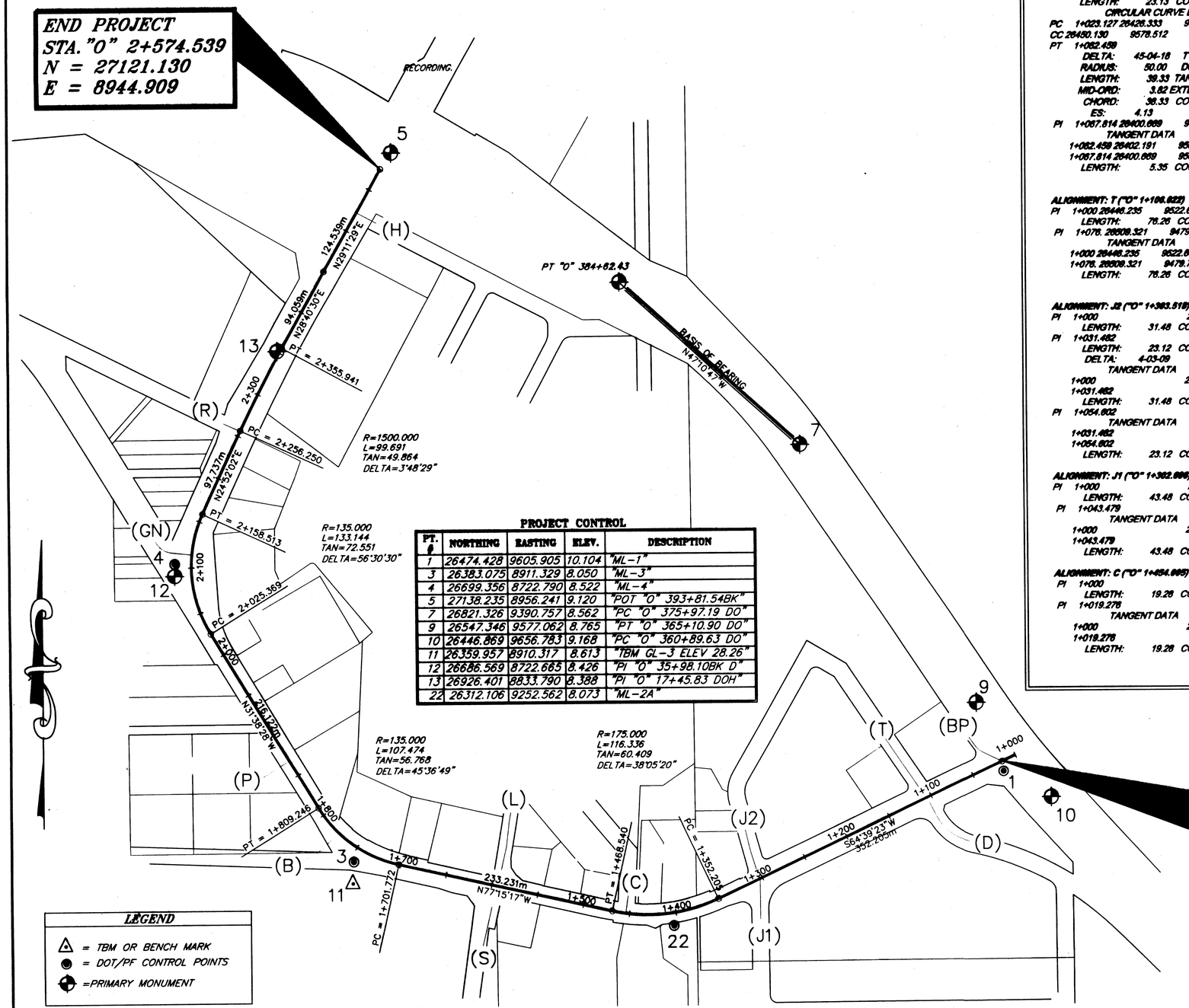
PROJECT NUMBER: 69755
DATE: 2001
SHEET A1
TOTAL SHEETS: 135

ENGINEER'S SEAL
3/18/01
STATE OF ALASKA
49th
Thad K. Hopper
CE 8965
REGISTERED PROFESSIONAL ENGINEER

Q:\Jnu\69755\Planset\Cover.dwg Thu, 15/Mar/01 01:47PM

NOTES:

1. WHETHER LISTED OR NOT, ALL MONUMENTS OR PROPERTY MARKERS OR ACCESSORIES WHICH WILL BE DISTURBED OR BURIED SHALL BE REFERENCED PRIOR TO BEING DISTURBED AND RE-ESTABLISHED IN THEIR ORIGINAL POSITION AND A RECORD OF MONUMENT FORM SHALL BE SUBMITTED TO THE PROJECT ENGINEER.



PROJECT CONTROL

PT. #	NORTHING	EASTING	ELEV.	DESCRIPTION
1	26474.428	9605.905	10.104	"ML-1"
3	26383.075	8911.329	8.050	"ML-3"
4	26699.356	8722.790	8.522	"ML-4"
5	27138.235	8956.241	9.120	"POT "O" 393+81.54BK"
7	26821.326	9390.757	8.562	"PC "O" 375+97.19 DO"
9	26547.346	9577.062	8.765	"PT "O" 365+10.90 DO"
10	26446.869	9656.783	9.168	"PC "O" 360+89.63 DO"
11	26359.957	8910.317	8.613	"TBM GL-3 ELEV 28.26"
12	26686.569	8722.665	8.426	"PI "O" 35+98.10BK D"
13	26926.401	8833.790	8.388	"PI "O" 17+45.83 DOH"
22	26312.106	9252.562	8.073	"ML-2A"

LEGEND

- △ = TBM OR BENCH MARK
- ● = DOT/PF CONTROL POINTS
- ⌖ = PRIMARY MONUMENT

INTERSECTION ALIGNMENT TABLE

ALIGNMENT: D ("O" 1+185.000)

PI	1+000	26446.673	9523.531	
	LENGTH:	43.87	COURSE:	S 28-25-14 E
PI	1+043.674	26408.086	9544.413	
	LENGTH:	26.10	COURSE:	S 73-29-32 E
	DELTA:	45-04-18		
	TANGENT DATA			
	1+000	26446.673	9523.531	
	1+023.127	26426.333	9534.538	
	LENGTH:	23.13	COURSE:	S 28-25-14 E
	CIRCULAR CURVE DATA			
PC	1+023.127	26426.333	9534.538	
CC	26450.130	9578.512		
PT	1+082.459	26402.191	9564.305	
	DELTA:	45-04-18	TYPE:	LEFT
	RADIUS:	50.00	DOC:	114-35-30
	LENGTH:	39.33	TANGENT:	20.75
	MID-ORD:	3.82	EXTERNAL:	4.13
	CHORD:	38.33	COURSE:	S 50-57-23 E
	ES:	4.13		
PI	1+067.814	26400.869	9569.439	
	TANGENT DATA			
	1+062.459	26402.191	9564.305	
	1+067.814	26400.869	9569.439	
	LENGTH:	5.35	COURSE:	S 73-29-32 E

ALIGNMENT: T ("O" 1+196.822)

PI	1+000	26446.235	9522.606	
	LENGTH:	76.26	COURSE:	N 34-10-44 W
PI	1+076.	26508.321	9479.769	
	TANGENT DATA			
	1+000	26446.235	9522.606	
	1+076.	26508.321	9479.769	
	LENGTH:	76.26	COURSE:	N 34-10-44 W

ALIGNMENT: J2 ("O" 1+363.518)

PI	1+000	26361.696	9344.119	
	LENGTH:	31.48	COURSE:	N 17-23-53 W
PI	1+031.482	26391.739	9334.706	
	LENGTH:	23.12	COURSE:	N 13-20-44 W
	DELTA:	4-03-09		
	TANGENT DATA			
	1+000	26361.696	9344.119	
	1+031.482	26391.739	9334.706	
	LENGTH:	31.48	COURSE:	N 17-23-53 W
PI	1+054.602	26414.235	9329.369	
	TANGENT DATA			
	1+031.482	26391.739	9334.706	
	1+054.602	26414.235	9329.369	
	LENGTH:	23.12	COURSE:	N 13-20-44 W

ALIGNMENT: J1 ("O" 1+362.666)

PI	1+000	26362.050	9344.862	
	LENGTH:	43.48	COURSE:	S 00-08-46 E
PI	1+043.479	26318.571	9344.973	
	TANGENT DATA			
	1+000	26362.050	9344.862	
	1+043.479	26318.571	9344.973	
	LENGTH:	43.48	COURSE:	S 00-08-46 E

ALIGNMENT: C ("O" 1+454.665)

PI	1+000	26325.712	9200.897	
	LENGTH:	19.28	COURSE:	N 07-59-10 E
PI	1+019.276	26344.801	9203.575	
	TANGENT DATA			
	1+000	26325.712	9200.897	
	1+019.276	26344.801	9203.575	
	LENGTH:	19.28	COURSE:	N 07-59-10 E

ALIGNMENT: L ("O" 1+593.745)

PI	1+000	26355.949	9064.483	
	LENGTH:	43.37	COURSE:	N 12-55-59 E
PI	1+043.368	26398.217	9074.189	
	LENGTH:	25.96	COURSE:	N 06-44-13 E
	DELTA:	6-11-46		
	TANGENT DATA			
	1+000	26355.949	9064.483	
	1+043.368	26398.217	9074.189	
	LENGTH:	43.37	COURSE:	N 12-55-59 E
PI	1+069.324	26423.994	9077.234	
	LENGTH:	10.17	COURSE:	N 10-02-34 E
	DELTA:	3-18-20		
	TANGENT DATA			
	1+043.368	26398.217	9074.189	
	1+069.324	26423.994	9077.234	
	LENGTH:	25.96	COURSE:	N 06-44-13 E
PI	1+079.493	26434.007	9079.008	
	TANGENT DATA			
	1+069.324	26423.994	9077.234	
	1+079.493	26434.007	9079.008	
	LENGTH:	10.17	COURSE:	N 10-02-34 E

ALIGNMENT: R ("O" 2+255.939)

PI	1+000	26840.614	8794.009	
	LENGTH:	19.87	COURSE:	N 65-07-58 W
PI	1+019.872	26848.970	8775.979	
	TANGENT DATA			
	1+000	26840.614	8794.009	
	1+019.872	26848.970	8775.979	
	LENGTH:	19.87	COURSE:	N 65-07-58 W

ALIGNMENT: B ("O" 1+775.049)

PI	1+000	26414.085	8895.378	
	LENGTH:	36.63	COURSE:	S 47-04-00 W
PI	1+036.632	26389.133	8868.558	
	LENGTH:	12.05	COURSE:	S 74-09-44 W
	DELTA:	27-05-44		
	TANGENT DATA			
	1+000	26414.085	8895.378	
	1+024.584	26397.339	8877.379	
	LENGTH:	24.58	COURSE:	S 47-04-00 W
	CIRCULAR CURVE DATA			
PC	1+024.584	26397.339	8877.379	
CC		26433.947	8843.322	
PT	1+048.230	26385.845	8856.967	
	DELTA:	27-05-44	TYPE:	RIGHT
	RADIUS:	50.00	DOC:	114-35-30
	LENGTH:	23.65	TANGENT:	12.05
	MID-ORD:	1.39	EXTERNAL:	1.43
	CHORD:	23.43	COURSE:	S 60-36-52 W
	ES:	1.43		
PI	1+048.230	26385.845	8856.967	

ALIGNMENT: P ("O" 1+868.120)

PI	1+000	26490.757	8843.084	
	LENGTH:	33.60	COURSE:	S 58-11-43 W
PI	1+033.595	26473.051	8814.533	
	TANGENT DATA			
	1+000	26490.757	8843.084	
	1+033.595	26473.051	8814.533	
	LENGTH:	33.60	COURSE:	S 58-11-43 W

ALIGNMENT: S ("O" 1+595.677)

PI	1+000	26356.243	9063.183	
	LENGTH:	66.21	COURSE:	S 12-54-21 W
PI	1+066.207	26291.708	9048.396	
	TANGENT DATA			
	1+000	26356.243	9063.183	
	1+066.207	26291.708	9048.396	
	LENGTH:	66.21	COURSE:	S 12-54-21 W

ALIGNMENT: GN ("O" 2+114.999)

PI	1+000	26709.504	8741.257	
	LENGTH:	32.86	COURSE:	N 84-01-30 W
PI	1+032.862	26712.925	8708.574	
	LENGTH:	12.39	COURSE:	N 30-10-57 W
	DELTA:	53-50-33		
	TANGENT DATA			
	1+000	26709.504	8741.257	
	1+021.792	26711.772	8719.584	
	LENGTH:	21.79	COURSE:	N 84-01-30 W
	CIRCULAR CURVE DATA			
PC	1+021.792	26711.772	8719.584	
CC		26733.454	8721.853	
PT	1+042.278	26722.494	8703.008	
	DELTA:	53-50-33	TYPE:	RIGHT
	RADIUS:	21.80	DOC:	262-49-29
	LENGTH:	20.49	TANGENT:	11.07
	MID-ORD:	2.36	EXTERNAL:	2.65
	CHORD:	19.74	COURSE:	N 57-06-13 W
	ES:	2.65		
PI	1+043.593	26723.631	8702.347	
	TANGENT DATA			
	1+042.278	26722.494	8703.008	
	1+043.593	26723.631	8702.347	
	LENGTH:	1.32	COURSE:	N 30-10-57 W

ALIGNMENT: H ("O" 2+522.397)

PI	1+000	27075.610	8919.478	
	LENGTH:	24.07	COURSE:	S 61-39-24 E
PI	1+024.068	27064.184	8940.661	
	TANGENT DATA			
	1+000	27075.610	8919.478	
	1+024.068	27064.184	8940.661	
	LENGTH:	24.07	COURSE:	S 61-39-24 E

ALIGNMENT: BP

PI	1+000	26484.922	9604.289	
	LENGTH:	28.53	COURSE:	N 64-01-06 W
PI	1+028.526	26497.419	9578.646	
	LENGTH:	16.65	COURSE:	N 35-47-25 W
	DELTA:	26-13-42		
	TANGENT DATA			
	1+000	26484.922	9604.289	
	1+023.497	26495.216	9583.167	
	LENGTH:	23.50	COURSE:	N 64-01-06 W
	CIRCULAR CURVE DATA			
PC	1+023.497	26495.216	9583.167	
CC		26513.194	9591.929	
PT	1+033.350	26501.498	9575.705	
	DELTA:	26-13-42	TYPE:	RIGHT
	RADIUS:	20.00	DOC:	286-28-44
	LENGTH:	9.85	TANGENT:	5.03
	MID-ORD:	0.60	EXTERNAL:	0.62
	CHORD:	9.75	COURSE:	N 49-54-16 W
	ES:	0.62		
PI	1+044.998	26510.922	9588.911	
	TANGENT DATA			
	1+033.350	26501.498	9575.705	
	1+044.998	26510.922	9588.911	
	LENGTH:	11.62	COURSE:	N 35-47-25 W

BASIS OF CONTROL

HORIZONTAL CONTROL:

THE BASIS OF BEARING IS THE BEARING OF N 47°10'47" W BETWEEN THE EGAN DRIVE CENTERLINE MONUMENT AT STATION "O" 375+97.19 EGAN (POINT NUMBER 7) AND THE INTERSECTION MONUMENT AT LOOP AND EGAN, STATION "O" 384+62.84 (POINT NUMBER 8). THE BASIS OF COORDINATES IS POINT NUMBER 7, THE MONUMENT AT STATION 375+97.19 WITH COORDINATES OF NORTH 26821.326m, EAST 9390.757m. THIS BASIS OF BEARING IS BASED ON THE 1982 DESIGN SURVEY OF THIS PROJECT.

VERTICAL CONTROL:

THE BASIS OF VERTICAL CONTROL WAS THE USC&GS STATION "A" AT THE END OF RUNWAY 08, JUNEAU AIRPORT, WITH A PUBLISHED ELEVATION OF 8.065m (26.46') ABOVE MLLW.

THE LOCAL BASIS OF CONTROL IS THE DOT/PF CONTROL MONUMENT ML-1, A 2" ALUMINUM CAP ON #5 REBAR SET IN THE ASPHALT ON THE TRAFFIC ISLAND AT EGAN/GLACIER HWY INTERSECTION (MCNUGGET), WITH AN ACCEPTED ELEVATION OF 10.104m.

PATH: Q:\Jnu\69755\Planset\Control.dwg Thu, 15/Mar/01 01:09PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P1, PR1, T1

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU

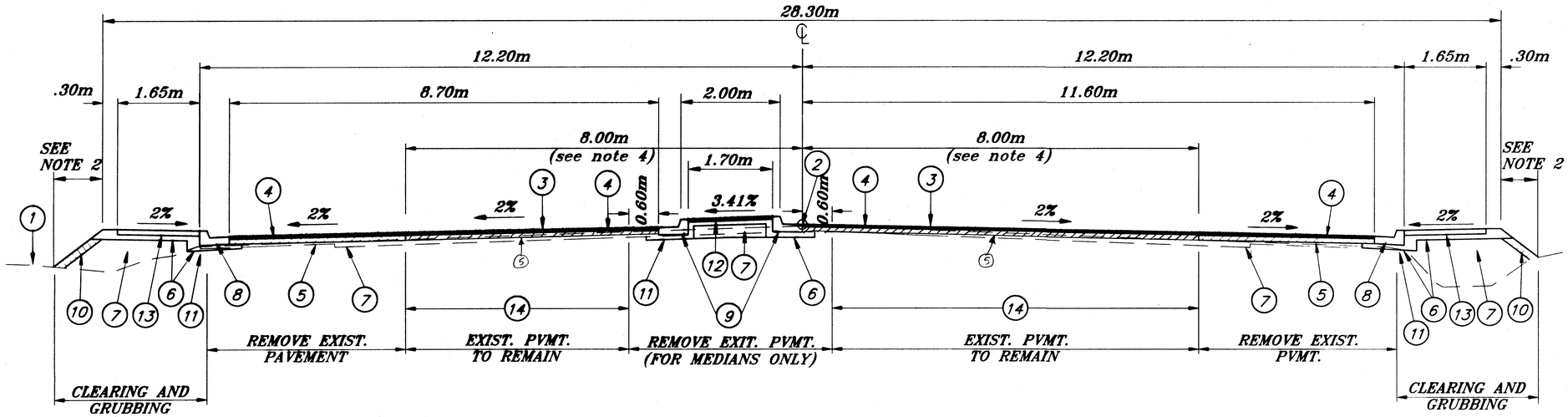
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90)~ PROJECT NO. 69755

CONTROL DRAWING

ALASKA

DESIGNED BY:	L. GREGOVICH	PROJECT NO.	69755
DRAWN BY:	G. MCLEAN	DATE:	2001
CHECKED BY:	T. MOORE	SHEET	A2

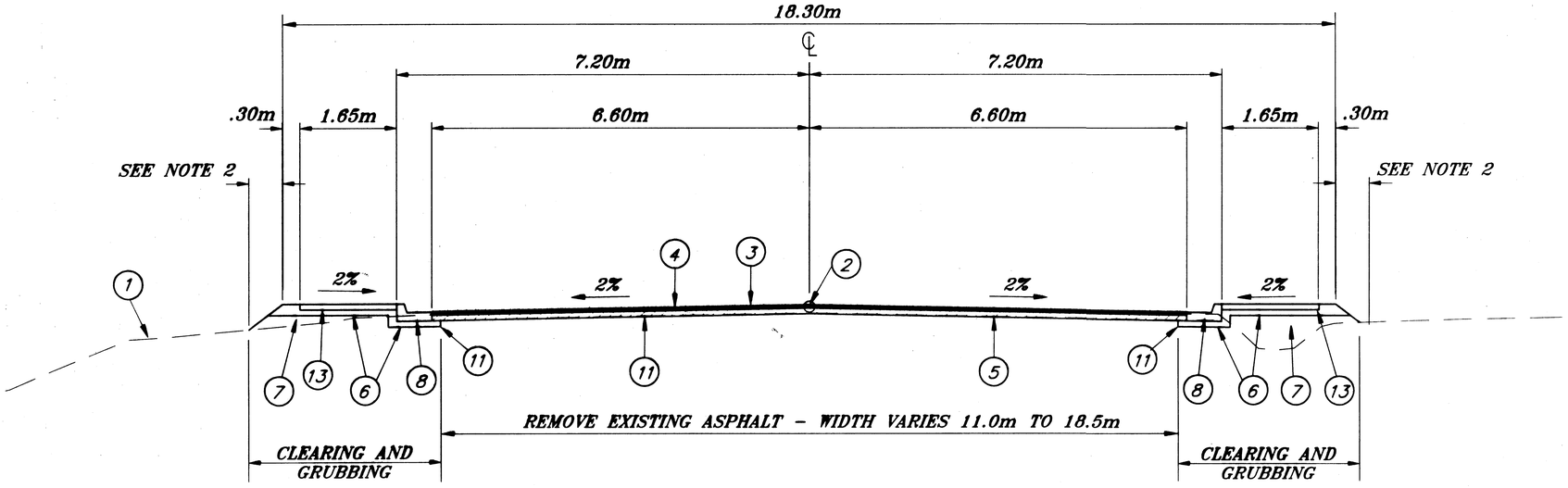
STATE OF ALASKA
19th
GARRETH MCLEAN
S 3019
REGISTERED PROFESSIONAL SURVEYOR



REMOVE EXISTING CURB AND ASPHALT – WIDTH VARIES 20.0m TO 23.5m

EGAN EXPRESSWAY (BOP) TO JORDAN AVENUE

STA. "0" 1+015.642 TO STA. "0" 1+300.00



JORDAN AVENUE TO MENDENHALL LOOP INTERSECTION (EOP)

STA. "0" 1+320.00 TO STA. "0" 2+574.539
EXCEPT AS MODIFIED ON OTHER SECTIONS, SEE NOTE 7.

LEGEND

1. ORIGINAL GROUND
2. PROFILE GRADE POINT
3. 50 mm ASPHALT CONCRETE PAVEMENT, TYPE A
4. STE-1 ASPHALT TACK COAT (BETWEEN ATB/ATB & ATB/ACP, AND ACP/EXIST. PVMT LAYERS)
5. 100 mm ASPHALT TREATED BASE, 2-50mm LIFTS
6. 100 mm CRUSHED AGGREGATE BASE COURSE
7. BORROW AND/OR USABLE EXCAVATION (TYPICAL)
8. CURB & GUTTER, TYPE I
9. CURB & GUTTER, TYPE I – SPECIAL, SEE DETAIL ON SHEET E9.
10. 200mm CRUSHED ROCK (SEE NOTE 2)
11. UNCLASSIFIED EXCAVATION LIMITS
12. 37.5mm ASPHALT TREATED BASE
13. 100mm CONCRETE SIDEWALK
14. PAVEMENT COLD PLANING (SEE NOTE 6)

TYPICAL SECTION NOTES

1. ALL FILL SLOPES SHALL BE 1.5:1 UNLESS OTHERWISE NOTED.
2. CRUSHED ROCK SHALL BE PLACED ON ALL FILL SLOPES WITH A SLOPE LENGTH GREATER OR EQUAL TO 1.0 METER. SEE SECTION 203 OF THE SPECIAL PROVISIONS.
3. BENCH EXISTING SLOPES IN ACCORDANCE WITH SECTION 203 OF THE SPECIFICATIONS. PRIOR TO PLACING BORROW AND/OR USABLE EXCAVATION.
4. THIS DIMENSION IS REDUCED TO 6.0m AS FOLLOWS:
   a. FROM STA 1+150 TO STA 1+262 LT.
   b. FROM STA 1+213 TO STA 1+282 RT.
5. TYPICAL MEDIAN IS SYMMETRICAL WITH RESPECT TO THE ℄.
6. PAVEMENT COLD PLANING SHALL BE PERFORMED WHERE NECESSARY TO PROVIDE A 50mm FINAL LIFT OF A.C.P.
7. PAVEMENT TO BE LEFT IN PLACE FROM STA. 1+300 TO STA. 1+421. NOTE 6 SHALL APPLY IN THIS AREA ALSO.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Typs.dwg Thu, 15/Mar/01 01:26PM		
PLOT: PSPACE: 1=1(F) MSPACE: 1=50(F)		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

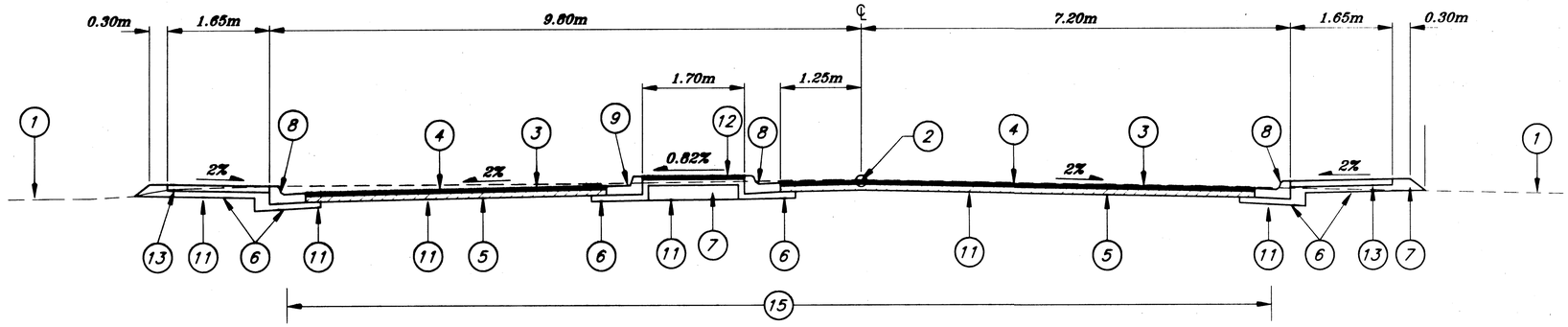
JUNEAU — ALASKA

OLD GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

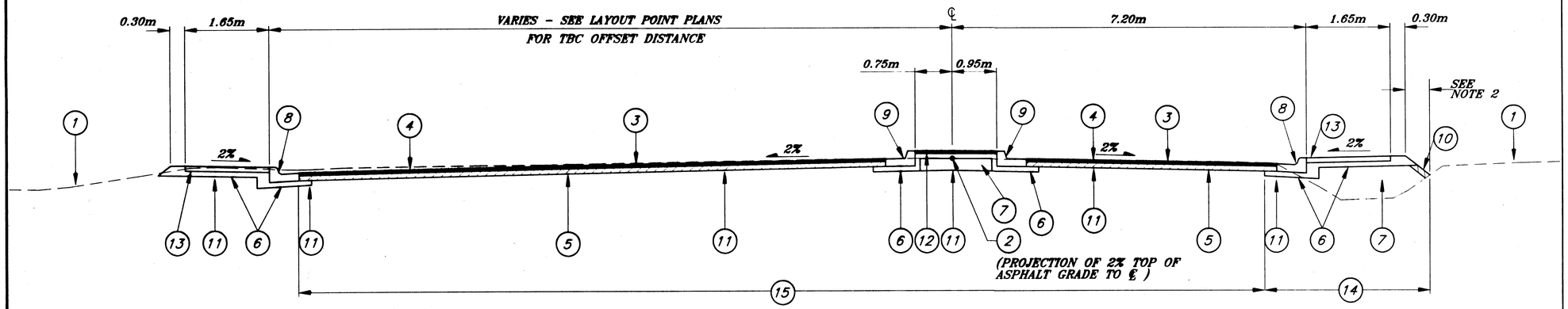
TYPICAL SECTIONS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET B1

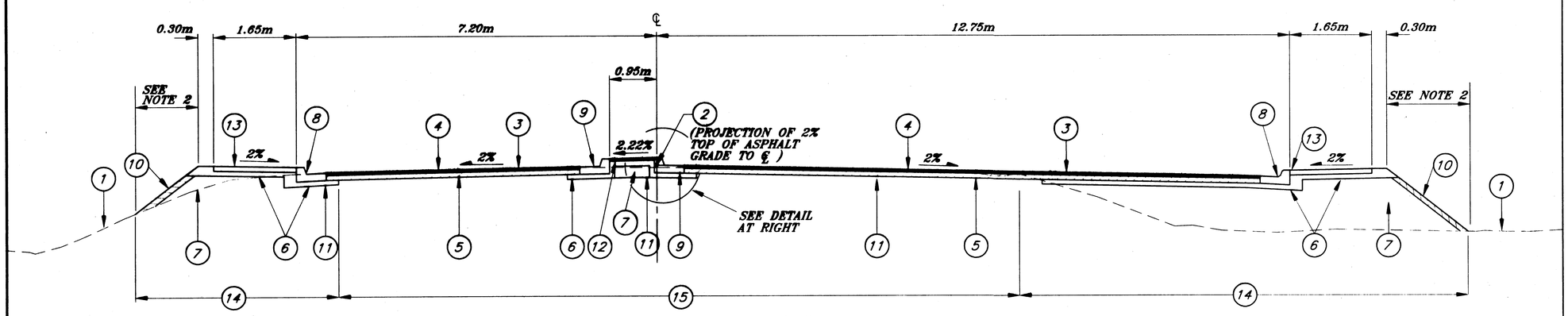
3-12-01
STATE OF ALASKA
19th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



A MEDIAN SECTION – STA. "0" 1+525 TO 1+585



B MEDIAN SECTION – STA. "0" 1+603 TO 1+630



C MEDIAN SECTION – STA. "0" 2+480 TO 2+569

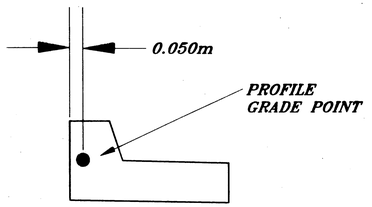
NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

LEGEND

1. ORIGINAL GROUND
2. PROFILE GRADE POINT (TOP OF ASPHALT)
3. 50 mm ASPHALT CONCRETE PAVEMENT, TYPE A
4. STE–1 ASPHALT TACK COAT (BETWEEN ATB/ATB & ATB/ACP LAYERS)
5. 100 mm ASPHALT TREATED BASE, 2–50mm LIFTS
6. 100 mm CRUSHED AGGREGATE BASE COURSE
7. BORROW AND/OR USABLE EXCAVATION
8. CURB & GUTTER, TYPE I
9. CURB & GUTTER, TYPE I – SPECIAL (SEE DETAIL ON SHT E9)
10. 200mm CRUSHED ROCK (SEE TYPICAL SECTION NOTE 2)
11. UNCLASSIFIED EXCAVATION LIMITS
12. 37.5mm ASPHALT TREATED BASE
13. 100mm CONCRETE SIDEWALK
14. CLEARING AND GRUBBING
15. PAVEMENT REMOVAL

TYPICAL SECTION NOTES

1. ALL FILL SLOPES SHALL BE 1.5:1 UNLESS OTHERWISE NOTED.
2. CRUSHED ROCK SHALL BE PLACED ON ALL SLOPES WITH A SLOPE LENGTH GREATER OR EQUAL TO 1.0 METER.
3. BENCH EXISTING SLOPES IN ACCORDANCE WITH SECTION 203 OF THE SPECIFICATIONS. PRIOR TO PLACING BORROW OR EMBANKMENT.



SPECIAL DETAIL FOR MEDIAN SECTION "C"

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RECORD OF REVISIONS		

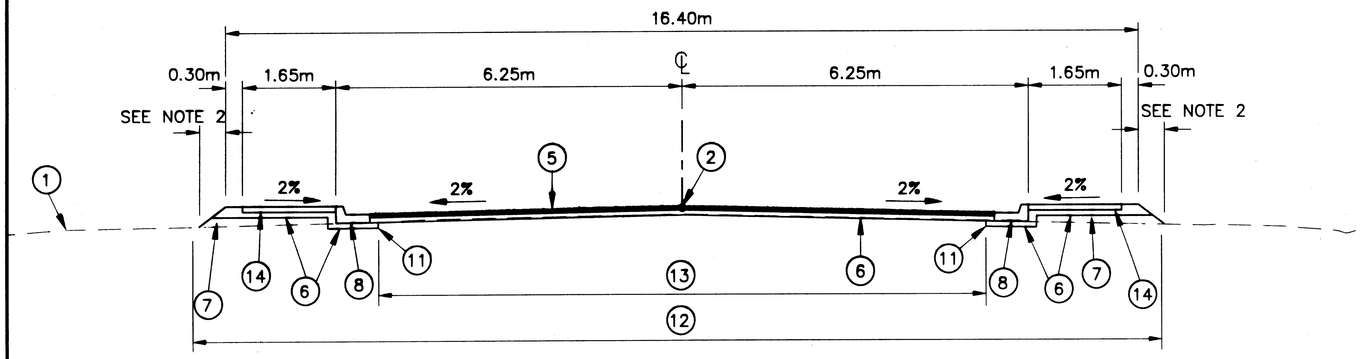
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — OLD GLACIER HIGHWAY — ALASKA
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD
FED. NO.STP–F–M–000S(90) ~ PROJECT NO. 69755

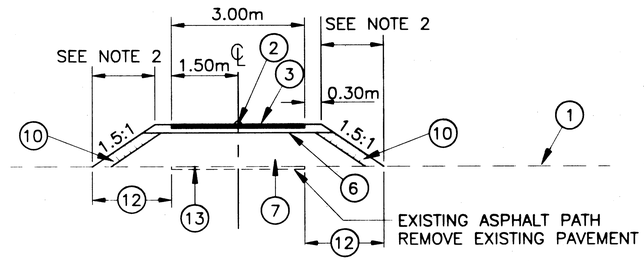
TYPICAL SECTIONS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET B2

3.12.01
STATE OF ALASKA
19th
Lee R. Gregovich
CE–8065
REGISTERED PROFESSIONAL ENGINEER



TYPICAL SECTION OLD DAIRY ROAD & TROUT STREET



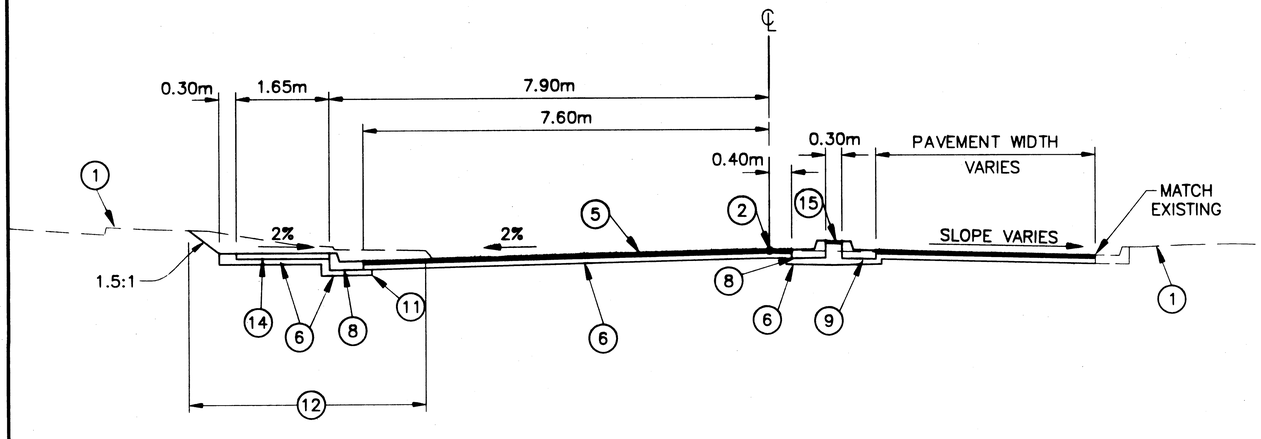
TYPICAL SECTION BIKE PATH

LEGEND

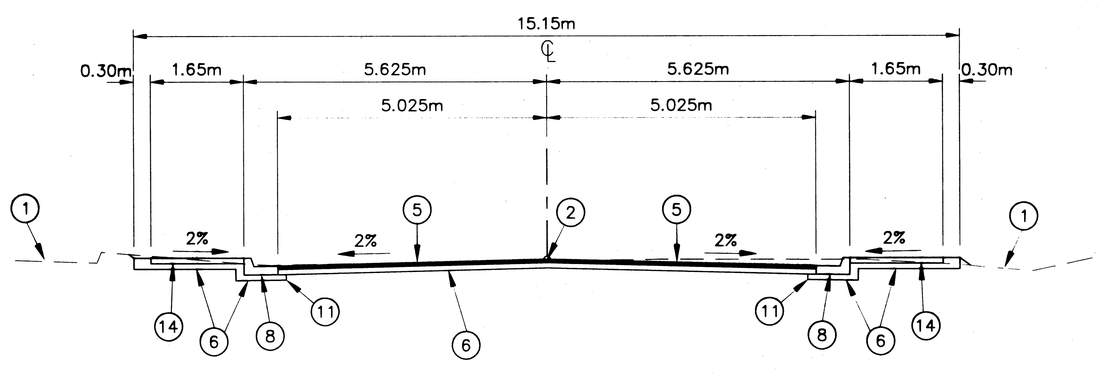
1. ORIGINAL GROUND
2. PROFILE GRADE POINT (TOP OF ASPHALT)
3. 50mm ASPHALT CONCRETE PAVEMENT, TYPE A
4. STE-1 ASPHALT TACK COAT (BETWEEN ATB/ATB & ATB/ACP LAYERS)
5. 75mm ASPHALT CONCRETE PAVEMENT, TYPE A
6. 100mm CRUSHED AGGREGATE BASE COURSE
7. BORROW AND/OR USABLE EXCAVATION
8. CURB & GUTTER, TYPE I
9. CURB & GUTTER, TYPE I – SPECIAL, SEE DETAIL ON SHEET E9.
10. 200MM CRUSHED ROCK
11. UNCLASSIFIED EXCAVATION LIMITS
12. CLEARING AND GRUBBING
13. REMOVE EXISTING PAVEMENT
14. 100mm CONCRETE SIDEWALK
15. 37.5mm ASPHALT TREATED BASE COURSE

NOTES:

1. ALL CUT AND FILL SLOPES SHALL BE 1.5:1 UNLESS OTHERWISE NOTED.
2. CRUSHED ROCK SHALL BE PLACED ON ALL FILL SLOPES WITH A SLOPE LENGTH GREATER OR EQUAL TO 1.0 METER.
3. BENCH EXISTING SLOPES IN ACCORDANCE WITH SECTION 203 OF THE SPECIFICATIONS PRIOR TO PLACING BORROW OR EMBANKMENT.



TYPICAL SECTION JORDAN AVENUE–SOUTH



TYPICAL SECTION JORDAN AVENUE–NORTH

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

PATH: Q:\Jnu\69755\Planset\TypSect.dwg Thu, 15/Mar/01 01:39PM
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

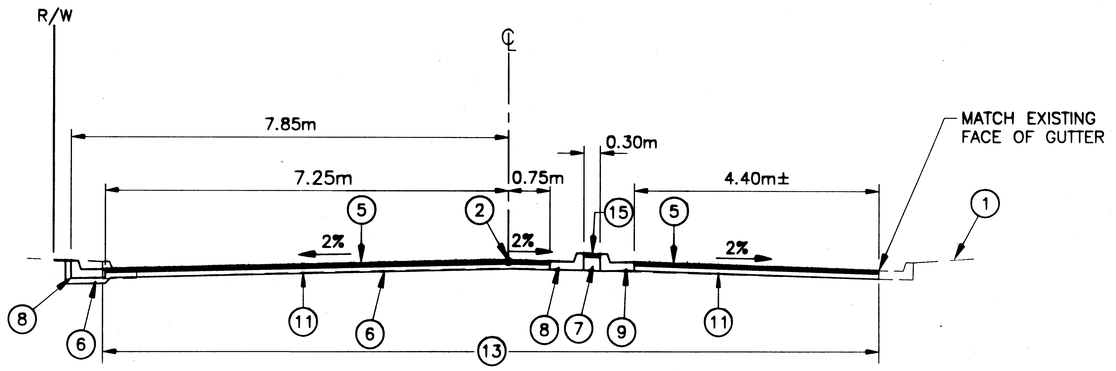
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

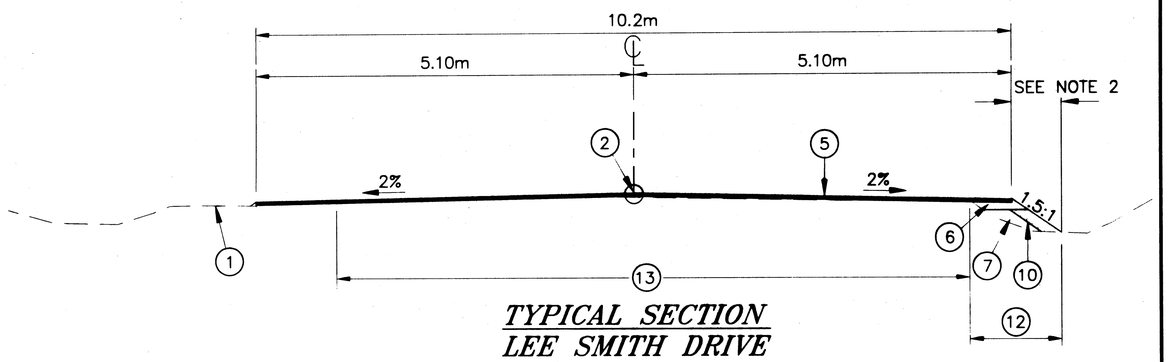
TYPICAL SECTIONS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: RS/LR/BB	DATE: 2001
CHECKED BY: T. MOORE	SHEET B3

3-12-01
STATE OF ALASKA
19th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



TYPICAL SECTION
SHELL SIMMONS DRIVE



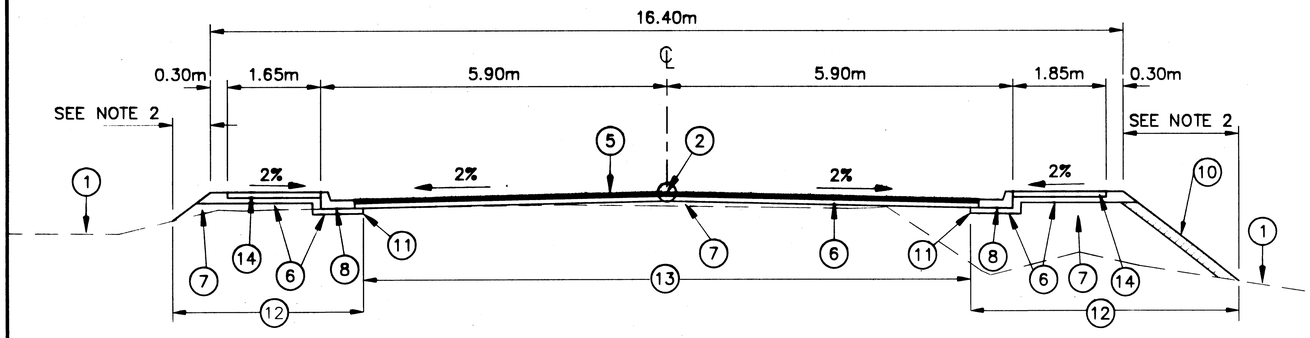
TYPICAL SECTION
LEE SMITH DRIVE

LEGEND

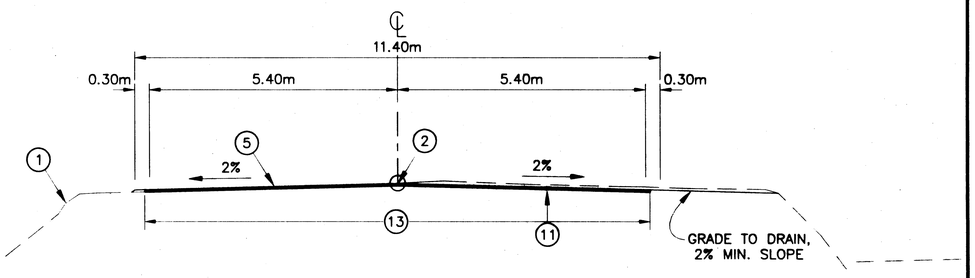
1. ORIGINAL GROUND
2. PROFILE GRADE POINT (TOP OF ASPHALT)
3. 50mm ASPHALT CONCRETE PAVEMENT, TYPE A
4. STE–1 ASPHALT TACK COAT (BETWEEN ATB/ATB & ATB/ACP LAYERS)
5. 75mm ASPHALT CONCRETE PAVEMENT, TYPE A
6. 100mm CRUSHED AGGREGATE BASE COURSE
7. BORROW AND/OR USABLE EXCAVATION
8. CURB & GUTTER, TYPE I
9. CURB & GUTTER, TYPE I – SPECIAL, SEE DETAIL ON SHEET E9.
10. 200mm CRUSHED ROCK (SEE NOTE 2)
11. UNCLASSIFIED EXCAVATION LIMITS
12. CLEARING AND GRUBBING
13. REMOVE EXISTING PAVEMENT
14. 100mm CONCRETE SIDEWALK
15. 37.5mm ASPHALT TREATED BASE COURSE

NOTES:

1. ALL FILL SLOPES SHALL BE 1.5:1 UNLESS OTHERWISE NOTED.
2. CRUSHED ROCK SHALL BE PLACED ON ALL FILL SLOPES WITH A SLOPE LENGTH GREATER OR EQUAL TO 1.0 METER.
3. BENCH EXISTING SLOPES IN ACCORDANCE WITH SECTION 203 OF THE SPECIFICATIONS PRIOR TO PLACING BORROW OR EMBANKMENT.



TYPICAL SECTION
BERNERS AVENUE



TYPICAL SECTION
PROFESSIONAL PLAZA DRIVEWAY

PATH: Q:\Jnu\69755\Planset\TypSect.dwg Thu, 15/Mar/01 01:38PM		
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RECORD OF REVISIONS		

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

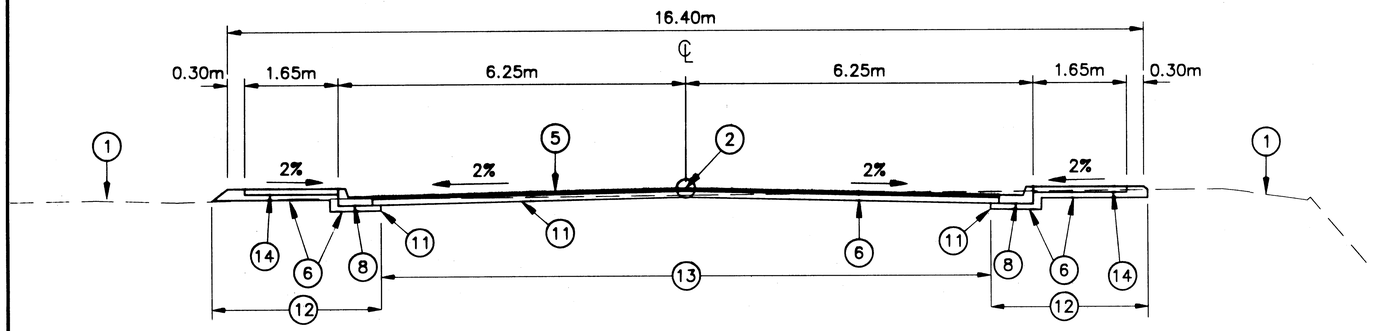
JUNEAU — *ALASKA*

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90)~ PROJECT NO. 69755

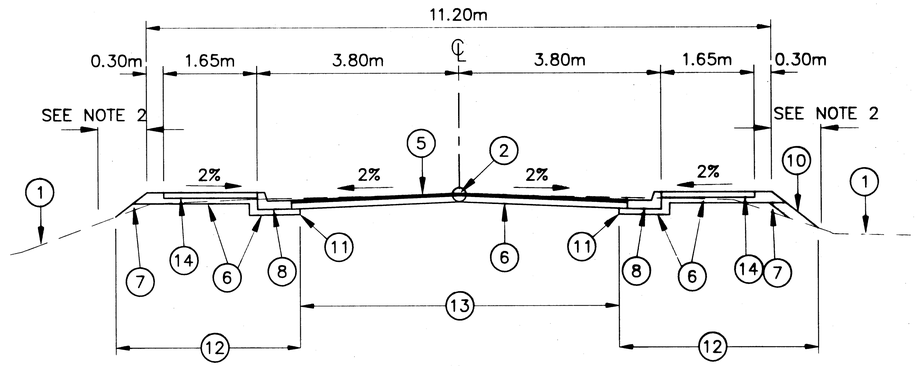
TYPICAL SECTIONS

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *RS/LR/BB*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *B4*

3-12-01
STATE OF ALASKA
19th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



TYPICAL SECTION
OLD GLACIER HWY NORTH



TYPICAL SECTION

LEGEND

1. ORIGINAL GROUND
2. PROFILE GRADE POINT (TOP OF ASPHALT)
3. 50mm ASPHALT CONCRETE PAVEMENT, TYPE A
4. STE-1 ASPHALT TACK COAT (BETWEEN ATB/ATB & ATB/ACP LAYERS)
5. 75mm ASPHALT CONCRETE PAVEMENT, TYPE A
6. 100mm CRUSHED AGGREGATE BASE COURSE
7. BORROW AND/OR USABLE EXCAVATION
8. CURB & GUTTER, TYPE I
9. CURB & GUTTER, TYPE I – SPECIAL, SEE DETAIL ON SHEET E9.
10. 200mm CRUSHED ROCK (SEE NOTE 2)
11. UNCLASSIFIED EXCAVATION LIMITS
12. CLEARING AND GRUBBING
13. REMOVE EXISTING PAVEMENT
14. 100mm CONCRETE SIDEWALK

NOTES:

1. ALL FILL SLOPES SHALL BE 1.5:1 UNLESS OTHERWISE NOTED.
2. CRUSHED ROCK SHALL BE PLACED ON ALL FILL SLOPES WITH A SLOPE LENGTH GREATER OR EQUAL TO 1.0 METER.
3. BENCH EXISTING SLOPES IN ACCORDANCE WITH SECTION 203 OF THE SPECIFICATIONS PRIOR TO PLACING BORROW OR EMBANKMENT.

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

PATH: Q:\Jnu\69755\Planset\TypSect.dwg Thu, 15/Mar/01 01:37PM
PLOT: *PSPACE: 1=1(F) OR MSPACE: 1=250(F)*

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — *ALASKA*

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

TYPICAL SECTIONS

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *RS/LR/BB*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *B5*

5.12.01
STATE OF ALASKA
49th
Lee R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
201(3A)	CLEARING AND GRUBBING	HECTARE	~~1.0~~ 0.4902
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED
202(2)	REMOVAL OF PAVEMENT	SQUARE METER	27,242.00 ~~18,000~~
203(3)	UNCLASSIFIED EXCAVATION	LUMP SUM	ALL REQUIRED
203(6)	BORROW	MEGAGRAM	2,290.17 ~~2,000~~
203(11)	LINEAR DITCHING	METER	30.00 ~~360~~
203(12)	EXCAVATION FOR LOCATING UNDERGROUND UTILITY	EACH	13 ~~30~~
301(1)	AGGREGATE BASE COURSE	MEGAGRAM	6,979.00 ~~5,000~~
306(1)	ATB	MEGAGRAM	7,031.00 ~~6,300~~
306(4)	ASPHALT PAVEMENT PATCHING	SQUARE METER	3,560.75 ~~1,000~~
401(1)	ASPHALT CONCRETE PAVEMENT, TYPE A	MEGAGRAM	5,670.96 ~~3,500~~
401(2)	ASPHALT CEMENT, GRADE 64-28	MEGAGRAM	272.21 ~~210~~
401(6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
402(1)	STE-1 ASPHALT FOR TACK COAT	MEGAGRAM	7.64 ~~10~~
408(1)	PAVEMENT COLD PLANING	SQUARE METER	467.50 ~~4,000~~
501(1)	CLASS A CONCRETE	LUMP SUM	ALL REQUIRED
501(1A)	Concrete Retaining Wall "D", C O 3	LUMP SUM	ALL REQUIRED
511(1)	BUS SHELTER	EACH	6
603(17-150B)	Wells Fargo Drain, C O 4	LUMP SUM	ALL REQUIRED
603(1-1200)	1200mm CSP	METER	7.65 ~~5~~
603(1-2400)	2400mm CSP	METER	49.50 ~~50~~
603(17-200A)	Nugget Mall Drain, C O4	LUMP SUM	ALL REQUIRED
603(17-150)	150mm PIPE	METER	14.70 ~~18~~
603(17-300)	300mm PIPE	METER	170.62 ~~85~~
603(17-450)	450mm PIPE	METER	806.55 ~~980~~
603(17-600)	600mm PIPE	METER	362.80 ~~355~~
603(17-750)	750mm PIPE	METER	45.60
603(17-900)	900mm PIPE	METER	6.90 ~~11~~
603(17-450A)	Slotted Drain Pipe, C O 4	LUMP SUM	ALL REQUIRED
604(4)	ADJUST EXISTING MANHOLE	EACH	23 ~~28~~
604(5A)	INLET, TYPE A	EACH	53 ~~54~~
604(5B)	INLET, TYPE B	EACH	5 ~~6~~
604(5C)	INLET, TYPE I	EACH	6
604(5D)	INLET, TYPE II	EACH	3
604(8)	OIL/WATER SEPARATOR MANHOLE	EACH	14
604(8A)	Advanced Treatment Unit, C02	LUMP SUM	ALL REQUIRED
606(1)	W-BEAM GUARDRAIL	METER	19 ~~18~~
608(1A)	CONCRETE SIDEWALK, 100mm THICK	SQUARE METER	4,963.39 ~~4,580~~
608(1B)	CONCRETE SIDEWALK, 150mm THICK	SQUARE METER	723.99 ~~440~~
608(6)	CURB RAMP	EACH	67 ~~90~~
608(6A)	Tactile Warning Strips, C07	EACH	51
609(1)	CURB, TYPE I	METER	173.47 ~~250~~
609(2)	CURB & GUTTER, TYPE 1	METER	4,772.60 ~~5,250~~
615(1)	STANDARD SIGN	SQUARE METER	43.79
615(2)	REMOVE AND RELOCATE EXISTING SIGNS	LUMP SUM	ALL REQUIRED
618(1)	SEEDING	HECTARE	0.73 ~~0.5~~
618(3)	WATER FOR SEEDING	KILOLITER	0 ~~100~~
619(2)	MATTING	SQUARE METER	2,651.20 ~~200~~
620(1)	TOPSOIL	SQUARE METER	1,009.00 ~~1,000~~
625(1)	PIPE HAND RAIL	METER	161.44
627(4)	FIRE HYDRANT ADJUSTMENT	EACH	2 ~~1~~
627(6)	FIRE HYDRANT RELOCATION	EACH	3 ~~4~~
627(10)	ADJUSTMENT OF VALVE BOX	EACH	16 ~~18~~
627(11)	FIRE HYDRANT PAD	EACH	3 ~~4~~
627(12)	Professional Plaza Stubout, C02	LUMP SUM	ALL REQUIRED
633(1)	GEOTEXTILE, SEDIMENT CONTROL	METER	557.60 ~~725~~
635(1)	INSULATION BOARD	CUBIC METER	0.15 ~~10~~
639(3)	APPROACHES	EACH	31 ~~32~~

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	UNIT	QUANTITY
640(1)	MOBILIZATION & DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641(1)	EROSION & POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641(2)	EROSION & POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED
641(3)	ROCK CHECK DAM	EACH	7 ~~25~~
641(4)	INLET PROTECTION	EACH	16 ~~116~~
641(5)	EROSION & POLLUTION PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642(3)	THREE PERSON SURVEY PARTY	HOUR	19.52 ~~10~~
642(4)	SET PRIMARY MONUMENT	EACH	5
642(10)	MONUMENT CASE	EACH	5
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643(3)	PERMANENT CONSTRUCTION SIGNING	LUMP SUM	ALL REQUIRED
643(14)	INTERIM PAVEMENT MARKING	KILOMETER	14.14 ~~10~~
643(15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED
643(23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
645(1)	TRAINING PROGRAM FOR 1 TRAINEE/APPRENTICE	LABOR HOUR	0 ~~500~~
646(1)	CPM SCHEDULING	LUMP SUM	ALL REQUIRED
647(1A)	BERNERS AVENUE CULVERT INSTALLATION	LUMP SUM	ALL REQUIRED
647(1B)	PROFESSIONAL PLAZA CULVERT INSTALLATION	LUMP SUM	ALL REQUIRED
647(1C)	GLACIER HIGHWAY NORTH ROAD OBLITERATION AND STORMWATER TREATMENT BASIN	LUMP SUM	ALL REQUIRED
647(1D)	DUCK CREEK STREAM CHANNEL MODIFICATION	LUMP SUM	ALL REQUIRED
647(1E)	VEGETATED SWALE	LUMP SUM	ALL REQUIRED
660(3A)	Light Base Extension, C O 6	LUMP SUM	ALL REQUIRED
660(1A)	TRAFFIC SIGNAL SYSTEM COMPLETE (JORDAN AVE.)	LUMP SUM	ALL REQUIRED
660(1B)	TRAFFIC SIGNAL SYSTEM COMPLETE (SHELL SIMMONS DR.)	LUMP SUM	ALL REQUIRED
660(1C)	TRAFFIC SIGNAL MODIFICATION (EGAN/McNUGGET)	LUMP SUM	ALL REQUIRED
660(1D)	TRAFFIC SIGNAL SYSTEM MODIFICATION (EGAN/LOOP)	LUMP SUM	ALL REQUIRED
660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE	LUMP SUM	ALL REQUIRED
660(14)	UNINTERUPTIBLE POWER SYSTEM COMPLETE	LUMP SUM	ALL REQUIRED
660(15)	SIGNAL CABINET SHOP TESTING	CONTINGENT SUM	ALL REQUIRED
660(1e)	Additional Controller Conduit, C O 2	LUMP SUM	ALL REQUIRED
661(1)	LOAD CENTER, TYPE I	EACH	4
670(10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED
660(1f)	Pedestrain Button Post, C O 5	LUMP SUM	ALL REQUIRED
660(1g)	Relocate Shell Simmons Ped. Pole, C O 5	LUMP SUM	ALL REQUIRED
660(1h)	Telephone Interface, C O 6	LUMP SUM	ALL REQUIRED
660(1i)	Additional Signal Head, C O 6	LUMP SUM	ALL REQUIRED
660(1j)	Spare Conduit, C O 6	LUMP SUM	ALL REQUIRED

BASIS OF ESTIMATE

ITEM NO.	ITEM	ESTIMATING FACTOR
301(1)	CRUSHED AGGREGATE BASE COURSE	2.323 Mg/m^3
*306(1)	ASPHALT TREATED BASE COURSE	0.0024 $Mg/m^2/mm$
401(1)	ASPHALT CONCRETE, TYPE II, CLASS B	0.0024 $Mg/m^2/mm$
401(2)	ASPHALT CEMENT, GRADE 64-28	6.0% OF TOTAL WEIGHT OF 401(1)
402(2)	STE-1 ASPHALT FOR TACK COAT	0.45ℓ/m^2; 1.0kℓ/Mg

* ASPHALT CEMENT, GRADE 64-28 FOR ITEM 306(1) IS IS INCIDENTAL TO ITEM 306(1). ASSUME AN ESTIMATING FACTOR OF 5.0% OF THE TOTAL WEIGHT OF ITEM 306(1).

GENERAL NOTES

TOTAL CONTRACT AMOUNT: $ 4,876,853.06

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Est.dwg Thu, 15/Mar/01 01:41PM
PLOT: MSPACE: 1=1(F)

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD — ALASKA
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755
ESTIMATE OF QUANTITIES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: A. STEININGER	SHEET C1

3/20/01
STATE OF ALASKA
49th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER

202(1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS SUMMARY

CONCRETE BARRIER REMOVAL

FROM STATION	TO STATION	OFFSET LEFT	OFFSET RIGHT	REMARKS	LENGTH
1+117	1+163		X	CONCRETE CURB STOP	46
1+890	1+923		X	CONCRETE CURB STOP	33
1+945	1+952		X	JERSEY BARRIER	7
1+945	1+970		X	CONCRETE CURB STOP	25
				TOTAL	111 L.M.

GUARDRAIL REMOVAL

FROM STATION	TO STATION	OFFSET	COMMENTS	LENGTH
1+755	1+770	LT	DELIVER MATERIALS TO DOT/PF MAINTENANCE	35
1+780	1+805	LT		40
2+085	2+125	LT		80
2+120	2+145	LT		45
2+575	EOP	RT		25
			TOTAL	225 L.M.

SIDEWALK REMOVAL

FROM STATION	TO STATION	OFFSET LEFT	OFFSET RIGHT	COMMENTS	AREA
1+030	1+100		X	ASPHALT	140 S.M.
1+325	1+400		X	ASPHALT	200 S.M.
1+355	1+400	X		ASPHALT	140 S.M.
				TOTAL	480 S.M.

CULVERT REMOVAL ⑤

STATION	OFFSET LEFT	OFFSET RIGHT	COMMENTS	LENGTH
1+022		X	INLET TO DITCH	13
1+030	X		REMOVE TO (P-2)	16.5
1+050	X		INLET TO INLET	40
1+090	X		INLET TO INLET	20
1+090		X	INLET TO DITCH	50
1+177	X		18"ø DITCH TO DITCH	16.5
1+275	X		18"ø INLET TO INLET	18.5
1+275		X	18"ø INLET TO INLET	80
1+355		X	18"ø INLET TO INLET	20
1+355		X	18"ø INLET TO JORDAN CREEK	14
1+532		X	DITCH TO DITCH	11
1+532	X		DITCH TO DITCH	16.5
1+568	X		DITCH TO DITCH	10.5
1+588		X	DITCH TO DITCH	11.5
1+608		X	DITCH TO DITCH	11.5
1+632		X	DITCH TO DITCH	11.5
1+765		X	DITCH TO DITCH	17
1+772	X		DUCK CREEK	17.5
1+785		X	MH TO DITCH	17
1+850		X	DITCH TO DITCH	37
1+860	X		48"ø DUCK CREEK	18.5
1+860	X		48"ø DUCK CREEK	18.5
1+922		X	DITCH TO DITCH	13
1+940		X	DITCH TO DITCH	8
1+970		X	DITCH TO DITCH	16
2+128		X	DITCH TO DITCH	23
2+365		X	DITCH TO DITCH	24
2+380		X	DITCH TO DITCH	6
2+475		X	DITCH TO DITCH	23
2+512		X	DITCH TO DITCH	16
			TOTAL	615.5 L.M.

INLET REMOVAL

STATION	OFFSET (L.M.) LEFT	OFFSET (L.M.) RIGHT	COMMENTS	QUANTITY
1+050	11		FIELD INLET	1
1+090	12		CURB INLET	1
1+090		9	CURB INLET	1
1+275		10	CURB INLET	1
1+275	9		CURB INLET	1
1+305		15	CURB INLET	1
1+315	39.5		CURB INLET	1
1+355		9	CURB INLET	1
1+355	11		CURB INLET	1
1+890	9		CURB INLET	1
2+123	20		CURB INLET	1
			TOTAL	10

CURB AND GUTTER REMOVAL

FROM STATION	TO STATION	OFFSET LEFT	OFFSET RIGHT	LENGTH
BOP	1+025		X	35
1+025	1+095	X		85
1+025	1+095		X	75
1+115	1+118		X	15
1+115	1+120		X	30
1+198	1+218	X		40
1+275	1+315	X		60
1+315	1+443		X	130
1+330	1+465	X		180
1+550	1+585		X	50
1+575	1+590	X		70
2+090	2+110	X		75
			TOTAL	845 L.M.

REMOVAL OF STRUCTURES & OBSTRUCTIONS NOTES:

1. ALL REMOVALS BECOME THE PROPERTY OF THE CONTRACTOR EXCEPT THE CONCRETE BARRIERS, ASPHALT AND MISCELLANEOUS ITEMS ADDRESSED IN THE TABLES ON THIS PAGE.
2. ALL REMOVAL WORK WILL BE PAID AS LUMP SUM IN ACCORDANCE WITH THESE TABLES AND THE SPECIFICATIONS
3. ALL STATIONING REFERENCES TO "0" LINE UNLESS NOTED OTHERWISE.
4. ALL CULVERTS NOT FULLY REMOVED SHALL HAVE THEIR END(S) CAPPED OR PLUGGED TO THE ENGINEER'S SATISFACTION.

615(2) REMOVE & RELOCATE EXISTING SIGNS

STATION	OFFSET LEFT	OFFSET RIGHT	COMMENTS
1+488	10.0m		ILLUMINATED SIGN–COORDINATE NEW LOCATION W/ CREDIT UNION
1+544		11.5m	ELECTRONICALLY POWERED–COORDINATE RELOCATION WITH BANK
2+076		9.5m	VITO 'N NICK'S SIGN– R/W ENCROACHMENT
2+145		18.0m	REMOVE EXISTING SIGN – RIVER ROCK LOUNGE/CELLULAR ONE
2+240.5		15.0m	REMOVE SIGN– GRANDMAS, R/W ENCROACHMENT.

NOTE:
SEE SIGNING SHEETS (T6–T8) FOR ADDITIONAL SIGN REMOVAL AND RELOCATION WORK.

PATH: Q:\Jnu\69755\Planset\Sum1.dwg Thu, 15/Mar/01 01:58PM
PLOT: MSPACE: 1=1(F)

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU–GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–000S(90) ~ PROJECT NO. 69755

SUMMARY OF QUANTITIES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET D1

3.12.01 STATE OF ALASKA 49th Lars R. Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER

604(4) ADJUST EXISTING MANHOLE SUMMARY

STATION	OFFSET	REMARKS	QTY. (EA.)
1+146	11.5 LT	ELEC.	1
1+148	12 RT	ELEC.	1
1+282	13.6 LT	TEL.	1
1+301	16.7 RT	SS	1
1+305	6.4 LT	SS	1
1+308	6.5 LT	TEL.	1
1+388	5.1 RT	SS	1
1+388	4.7 LT	TEL.	1
1+451	5.9 RT	SS	1
1+462	10.0 LT	ELEC.	1
1+528	6.1 LT	TEL.	1
1+614	7.1 LT	TEL.	1
1+689	1.6 RT	SS	1
1+703	9.9 LT	WATER	1
1+705	4.3 LT	TEL.	1
1+723	8.5 LT	SS	1
1+737	1.3 RT	SS	1
1+772	3.9 LT	TEL.	1
1+792	1.2 RT	SS	1
1+873	1.1 RT	SS	1
1+899	4.3 LT	TEL.	1
1+958	2.4 RT	SS	1
2+063	6.8 RT	MOVE 2.9 LT	1
2+156	14.3 RT	SS	1
2+298	8.9 RT	SS	1
2+522	14.3 RT	SS	1
		TOTAL	~~26~~ 23

606(1) GUARDRAIL INSTALLATION SUMMARY

FROM STATION	TO STATION	OFFSET	REMARKS	LENGTH (M.)
2+573	EOP	RT	W-BEAM	18
			TOTAL	~~18~~ 19

642(4),(10) SURVEY MONUMENT AND MONUMENT CASE SUMMARY

STATION	OFFSET	REMARKS	MON. (EA.)	CASE (EA.)
1+031.145	1.443 RT		1	1
1+407.968	8.113 LT		1	1
1+754.034	7.960 LT		1	1
2+090.392	10.903 LT		1	1
2+566.000	0.533 RT		1	1
		TOTAL	5	5

625(1) PIPE HAND RAIL SUMMARY

STATION	OFFSET	REMARKS	L.M.
1+032.5 TO 1+092	LT.	WALL 'A'	61.2
1+092 TO 1+101.5	RT.	WALL 'B'	63.3
1+487 TO 1+519	LT.	WALL 'C'	36.6
		TOTAL	~~161.1~~ 161.44

608(6) SIDEWALK RAMP SUMMARY

STATION	OFFSET	REMARKS	QTY. (EA.)
1+028	16.5 RT	FLARED	1
1+032	11.5 LT	FLARED	1
1+038	18.0 LT	RECTANGULAR	1
1+082	55.2 RT	CURB	1
1+092	62.8 LT	CURB	1
1+095	16.2 LT	RECTANGULAR	1
1+099	15.2 RT	RECTANGULAR	1
1+108	55.8 RT	CURB	1
1+114	15.4 LT	RECTANGULAR	1
1+118	25.9 RT	CURB	1
1+119	40.3 RT	CURB	1
1+122	57.3 RT	CURB	1
1+177	15.8 LT	RECTANGULAR	1
1+180	24.1 LT	CURB	1
1+193	24.1 LT	CURB	1
1+196	15.7 LT	RECTANGULAR	1
1+207	12.7 LT	CURB	1
1+219	12.7 RT	CURB	1
1+290	15.3 RT	RECTANGULAR	1
1+299	13.9 LT	RECTANGULAR	1
1+306	32.3 RT	CURB	1
1+310	11.2 RT	RECTANGULAR	1
1+315	44.0 LT	CURB	1
1+329	15.9 LT	RECTANGULAR	1
1+445	10.7 RT	RECTANGULAR	1
1+447	8.9 LT	CURB	1
1+460	15.9 RT	CURB	1
1+463	9.2 RT	RECTANGULAR	1
1+468	8.0 LT	CURB	1
1+509	8.0 RT	CURB	1
1+516	10.7 LT	CURB	1
1+529	8.0 RT	CURB	1
1+531	10.9 LT	CURB	1
1+581	10.6 RT	RECTANGULAR	1
1+583	13.4 LT	RECTANGULAR	1
1+584	19.2 RT	CURB	1
1+585	21.8 LT	CURB	1
1+602	10.0 RT	RECTANGULAR	1
1+608	15.7 LT	RECTANGULAR	1
1+768	10.1 LT	RECTANGULAR	1
1+785	10.6 LT	RECTANGULAR	1
2+106	13.7 LT	RECTANGULAR	1
2+106	8.0 RT	CURB	1
2+123	14.0 LT	RECTANGULAR	1
2+126	8.0 RT	CURB	1
2+348	10.6 LT	RECTANGULAR	1
2+363	10.3 LT	RECTANGULAR	1
2+517	15.6 RT	RECTANGULAR	1
2+530	15.4 RT	RECTANGULAR	1
2+572	13.9 RT	RECTANGULAR	1
EOP	15.0 LT	RECTANGULAR	1
		TOTAL	51

627(11) FIRE HYDRANT PAD SUMMARY

STATION	OFFSET	REMARKS	QTY. (EA.)
1+125	RT		1
1+700.000	LT		1
2+064.400	RT		1
2+236.700	RT		1
		TOTAL	~~4~~ 3

627(4) FIRE HYDRANT ADJUSTMENT SUMMARY

STATION	OFFSET	ADJUSTMENT	QTY. (EA.)
		TOTAL	~~1~~ 2

627(10) ADJUST VALVE BOX SUMMARY

STATION	OFFSET	REMARKS	QTY. (EA.)
1+116	23.1 RT		1
1+130	11.1 RT		1
1+267	11.3 LT		1
1+303	20.9 LT		1
1+352	6.8 LT		1
1+380	7.7 LT	IN APPROACH	1
1+446	7.5 LT		1
1+596	20.0 RT		1
1+597	10.4 LT		1
1+612	12.5 LT		1
1+867	8.6 LT		1
1+925	12.1 RT	IN APPROACH	1
1+925	8.5 LT		1
1+975	7.7 LT		1
2+250	4.7 RT	IN APPROACH	1
2+252	6.2 RT	IN APPROACH	1
2+518	15.8 RT	IN APPROACH	1
2+519	17.2 RT	IN APPROACH	1
		TOTAL	~~18~~ 16

639(3) APPROACH SUMMARY

STATION	OFFSET	WIDTH (L.M.)	REMARKS	QTY. (EA.)
1+215	RT	10	JORDAN CREEK MALL	1
1+327	RT	10	FIRST NATIONAL BANK	1
1+341	RT	10	FIRST NATIONAL BANK	1
1+382	LT	9.4	LYLE'S FURNITURE	1
1+415	RT	11.9	POWELL REALTY	1
1+500	RT	7	STATE FARM INSURANCE	1
1+523	LT	8.5	PARTS PLUS	1
1+523	RT	15	NATIONAL BANK OF ALASKA	1
"L" 1+049	RT	9	NATIONAL BANK OF ALASKA	1
"L" 1+026	LT	10.7	UNION 76	1
1+560	LT	12	CARMAG BUILDING	1
1+640	RT	17.9	UNION 76	1
1+725	RT	9.5	MI CASA	1
1+775	RT	9.7	FERNANDO'S	1
1+860	RT	11	COUNTRY LANE	1
1+866	LT	19.4	PROFESSIONAL PLAZA	1
1+882	RT	13.2	AIRPORT MINI MALL	1
1+926	RT	10	AIRPORT MINI MALL	1
1+943	RT	7	VALLEY RESTAURANT	1
1+945	LT	9.7	FR. LOTS 4 & 5	1
1+978	RT	8.9	VALLEY RESTAURANT	1
1+991	LT	8.5	VALLEY PAINT CENTER	1
2+036	RT	10.5	ROSWICK GILES MUSIC	1
2+065	LT	9	FEDERAL AVIATION ADMINISTRATION	1
2+117	RT	14	MADSEN'S COMPLEX	1
2+175	RT	12.3	DOMINO'S PIZZA	1
2+209	RT	10.2	NEW CONSTRUCTION	1
2+253	RT	8.5	GRANDMA'S BED & BREAKFAST	1
2+271	RT	9.7	ASPHALT PARKING LOT	1
2+330	RT	8	PIPELINE SKATE PARK	1
2+395	RT	10.4	GRAVEL PARKING LOT	1
2+543	RT	2.5	ASPHALT PATH	1
			TOTAL	~~32~~ 31

3.12.01
STATE OF ALASKA
49th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER

PATH: Q:\Jnu\69755\Planset\Sum1.dwg Fri, 16/Mar/01 02:22PM
PLOT: MSPACE: 1=1(F)

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90) ~ PROJECT NO. 69755

SUMMARY OF QUANTITIES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET D2

DRAINAGE STRUCTURE SUMMARY

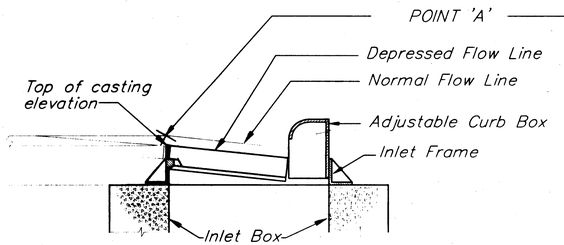
STRUCT. NO.	STATION	OFFSET	STRUCT. FUNCT.	STRUCT. TYPE	GRATE/LID ELEVATION	REMARKS
S-1	1+037.052	LT 15.848	INLET	A	9.647	
S-2	1+047.355	LT 12.546	INLET	1	9.700	
F-1	1+045.504	LT 13.083	FITTING	300mm "Y"	0.000	
S-3	1+090.545	LT 12.643	INLET	A	9.501	
S-4	1+090.704	RT 11.600	INLET	A	9.573	
S-5	N/A	N/A	N/A	N/A	N/A	NUMBER NOT USED
S-6	1+086.726	LT 50.412	INLET	A	8.786	
S-7	1+094.870	LT 57.979	INLET	1	8.782	
S-8	1+106.338	RT 61.225	INLET	A	8.487	
S-9	1+122.837	RT 68.891	INLET	A	8.500	
S-10	1+121.635	RT 13.475	INLET	1	9.174	
S-11	1+138.093	RT 15.766	INLET	A	8.708	
F-2	1+138.130	RT 14.453	FITTING	450x450 TEE	0.000	
S-12	1+161.347	RT 15.676	INLET	1	8.630	
S-13	1+174.256	RT 11.604	INLET	B	8.956	
S-14	1+174.267	LT 12.854	INLET	A	9.004	
S-15	1+181.371	RT 19.871	INLET	A	7.952	
F-3	1+181.328	RT 11.877	FITTING	600x450 TEE	0.000	
F-4	1+201.767	RT 11.857	FITTING	600x100 TEE	0.000	
F-5	1+226.024	RT 11.888	FITTING	600x300 TEE	0.000	
S-16	1+234.594	RT 11.601	INLET	A	8.511	
S-17	1+234.613	LT 11.6	INLET	A	8.511	
S-18	1+234.618	LT 15.873	INLET	A	8.052	
F-6	1+243.689	RT 12.279	FITTING	600x100 TEE	0.000	
S-19a	1+275.690	RT 16.001	INLET	A	7.745	USE FIELD FRAME & GRATE
S-19b	1+275.593	RT 18.722	INLET	A	7.981	
S-20	1+275.864	RT 11.841	INLET	B	8.201	
S-21	1+292.070	RT 7.961	INLET	A	8.041	
S-22	1+291.797	LT 11.6	INLET	A	8.088	
S-23	1+294.377	RT 29.143	INLET	A	7.745	
S-24	1+304.296	RT 30.775	INLET	A	7.745	
S-25	1+332.207	LT 11.718	INLET	A	8.005	
S-26	1+313.416	LT 39.762	INLET	A	7.777	REMOVE EXISTING
S-27	1+313.224	RT 8.817	INLET	B	7.973	
S-28	1+339.703	RT 8.017	INLET	B	7.952	
S-29a	1+339.663	RT 11.300	INLET	A	7.815	USE GUTTER FRAME & GRATE
S-29b	1+355.022	RT 11.076	INLET	A	7.955	USE GUTTER FRAME & GRATE
S-30	1+354.931	RT 7.993	INLET	2	7.987	OIL/H2O SEPARATOR & GUTTER F&G
S-31	N/A	N/A	N/A	N/A	N/A	NUMBER NOT USED
S-32	1+424.115	RT 6.635	INLET	1	8.002	OIL/H2O SEPARATOR
S-33	1+446.329	RT 11.853	INLET	2	7.771	
S-34	1+459.898	RT 11.131	INLET	2	7.700	
F-7	1+463.380	RT 11.220	FITTING	450mm "TEE"	0.000	
S-35	1+477.357	RT 10.378	INLET	A	7.488	USE GUTTER FRAME & GRATE
S-36	1+476.178	LT 10.387	INLET	A	7.710	USE GUTTER FRAME & GRATE
S-37	N/A	N/A	N/A	N/A	N/A	NUMBER NOT USED
S-38	1+506.829	LT 9.904	INLET	A	7.561	
S-39	N/A	N/A	N/A	N/A	N/A	NUMBER NOT USED
S-40	1+506.829	RT 6.631	INLET	A	7.627	
F-8	1+528.046	RT 7.826	FITTING	450mm "TEE"	0.000	
S-41	N/A	N/A	N/A	N/A	N/A	NUMBER NOT USED
S-42	1+533.680	LT 9.313	INLET	A	7.636	
S-43	1+534.192	LT 12.258	INLET	A	7.672	
S-44	1+574.981	LT 12.258	INLET	A	7.877	
S-45a	1+528.027	RT 10.096	INLET	A	7.622	
S-45b	1+539.001	RT 7.986	INLET	A	7.688	
S-46a	1+600.327	RT 22.022	INLET	A	7.689	USE GUTTER FRAME & GRATE
S-46b	1+599.832	RT 11.721	INLET	B	7.762	USE GUTTER FRAME & GRATE
S-47	1+606.969	RT 6.785	INLET	B	8.013	
S-48	1+607.427	RT 11.142	INLET	A	8.020	
S-49	1+626.228	LT 12.426	INLET	1	8.035	
S-50	1+653.000	RT 6.600	INLET	A	8.238	

DRAINAGE STRUCTURE SUMMARY

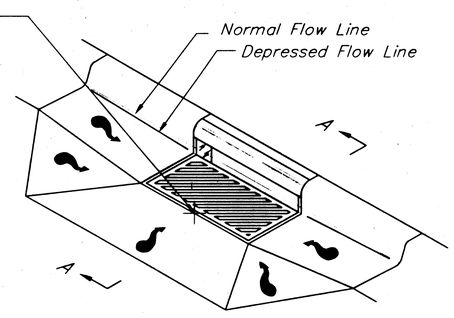
STRUCT. NO.	STATION	OFFSET	STRUCT. FUNCT.	STRUCT. TYPE	GRATE/LID ELEVATION	REMARKS
S-51	1+652.990	RT 10.519	INLET	A	7.940	USE FIELD FRAME & GRATE
S-52	1+671.333	RT 6.600	INLET	A	8.212	
F-9	1+624.270	RT 6.915	FITTING	600x150 TEE	0.000	
S-53	1+671.333	LT 12.038	INLET	A	8.085	
F10	1+705.257	RT 7.403	FITTING	600x150 TEE	0.000	
S-54	1+716.111	RT 6.600	INLET	A	7.930	
S-55	1+765.011	RT 6.605	INLET	1	7.647	OIL/H2O SEPARATOR
S-56	1+833.000	RT 6.601	INLET	A	7.326	
S-57a	1+772.215	RT 0.001	INLET	2	7.803	
S-57b	1+765.446	LT 7.93	INLET	2	8.107	OIL/H2O SEPARATOR
S-58	1+851.500	LT 6.6	INLET	1	7.288	OIL/H2O SEPARATOR
S-59	1+851.500	RT 6.600	INLET	A	7.288	
S-60	1+897.054	LT 9.593	INLET	A	7.396	
S-61	2+000.010	RT 9.458	INLET	A	7.754	
S-62	2+000.000	RT 6.598	INLET	A	7.571	
S-63	1+999.999	LT 6.6	INLET	1	7.582	OIL/H2O SEPARATOR
S-64a	2+021.946	RT 6.600	INLET	A	7.631	
S-64b	2+022.228	LT 6.593	INLET	1	7.827	OIL/H2O SEPARATOR
S-65	2+100.055	RT 6.600	INLET	A	7.955	
S-66	2+129.921	RT 6.600	INLET	1	8.136	OIL/H2O SEPARATOR
S-67a	2+317.882	RT 9.746	INLET	A	8.566	
S-67b	2+314.047	LT 9.584	INLET	1	8.587	OIL/H2O SEPARATOR
S-68	2+181.000	LT 9.124	INLET	1	8.376	OIL/H2O SEPARATOR
S-69	2+184.000	RT 6.600	INLET	A	8.441	
S-70	2+251.946	LT 15.005	INLET	1	8.488	OIL/H2O SEPARATOR
S-71	2+259.805	LT 15.005	INLET	A	8.490	
S-72	2+360.000	LT 6.645	INLET	1	8.417	OIL/H2O SEPARATOR
S-73	2+360.000	RT 6.600	INLET	A	8.417	
S-74	2+430.221	LT 6.65	INLET	1	8.189	OIL/H2O SEPARATOR
S-75a	2+430.220	RT 9.707	INLET	A	8.128	
S-75b	2+450.650	RT 12.150	INLET	A	8.099	
S-76	2+473.999	LT 6.65	INLET	1	8.275	OIL/H2O SEPARATOR
S-77	2+474.002	RT 12.150	INLET	A	8.175	
S-78	2+518.847	RT 19.886	INLET	1	8.167	
S-79	2+526.334	RT 22.400	INLET	A	8.134	

NOTES:

1. STATION AND OFFSET FOR CURB INLETS ARE GIVEN TO THE CENTER OF GRATE/LID.
2. CURB GRATE ELEVATIONS ARE GIVEN TO THE EDGE OF PAVEMENT WITHOUT THE STANDARD DEPRESSION (see POINT 'A' below).
3. ALL STORM DRAIN MANHOLES ARE REQUIRED TO HAVE A 450mm SUMP. MANHOLES WITH PETROLEUM SEPERATORS SHALL HAVE A 610mm SUMP.
4. INVERT ELEVATION IS GIVEN TO THE BOTTOM OF PIPE.



SECTION A-A



*FOR MORE DETAIL SEE STD. DRAWING "D-24.00 [M]".

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\PipeSum.dwg Fri, 16/Mar/01 02:23PM
PLOT: MSPACE: 1=1(F)

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

DRAINAGE STRUCTURE SUMMARIES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET D3

3.12.01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER

PIPE SUMMARY

PIPE LABEL	PIPE SIZE	FROM STRUCTURE	LOCATION	INLET INV.	TO STRUCTURE	LOCATION	OUTLET INV.	CEN-CEN LENGTH	PIPE SLOPE	REMARKS
P-1	300	S-1		8.636	S-2		8.603	~~8.9~~ 14.9	0.003	
P-2	~~510 x 380~~ 380	MATCH 22"x13" SQUASH PIPE	"O" 1+032.984 LT 13.137	8.646	S-2		8.603	~~12.5~~ 12.0	0.003	
P-3	450	S-2		8.578	S-3		8.449	~~43.0~~ 37.9	0.003	
P-4	450	S-3		8.424	S-4		8.350	~~24.8~~ 24.5	0.003	
P-5	450	S-4		8.325	S-10		8.231	~~31.1~~ 31.6	0.003	
P-6	N/A	N/A		N/A	N/A	1+058.561 RT 8.574	N/A	N/A	N/A	NUMBER NOT USED
P-7	~~450~~ 300	S-7		~~8.358~~	7.75 OUTFALL	"O" ~~1+096.191 LT 60.863~~	7.76 ~~8.349~~	~~2.9~~ 4.21	0.003	
P-8	~~450~~ 300	S-6	1+060.547 RT 9.091	~~8.413~~	7.87 S-7	7.76	~~8.378~~	~~11.7~~ 12.0	0.003	
P-9	300	DITCH INLET	"T" ~~1+058.342 RT 9.354~~	8.000	S-8		7.990	~~2.0~~ 0.7	0.005	
P-10	300	S-8		7.970	OUTFALL	"T" 1+074.650 RT 8.071	7.901	~~13.9~~ 14.7	0.005	
P-11	300	S-9		7.976	OUTFALL	"T" 1+075.189 RT 7.234	7.901	~~14.9~~ 16.0	0.005	
P-12	450	S-10		7.403	S-12		7.282	~~39.6~~ 40.0	0.003	
P-13	450	S-11		7.360	F-2		7.354	~~1.0~~ 0.4	0.006	
P-14	450	S-12		7.257	S-13		7.219	13.4	0.003	
P-15	450	S-14		7.880	S-13		7.239	~~25.0~~ 24.4	0.026	
P-16	~~450~~ 300	S-15		~~7.118~~	7.32 F-3	7.30	~~7.080~~	7.7	0.005	
P-17a	600	S-13		7.025	S-16		6.845	60.4	0.003	
P-17b	150	MATCH 4" PVC	"O" 1+201.781 RT 14.098	7.832	F-4	"O" 1+201.781 RT 11.870	7.093	8.1	0.091	
P-18a	450	S-17		7.406	S-16		6.845	~~23.8~~ 24.3	0.024	
P-18b	300	MATCH (2)-4" PVC	"O" 1+224.585 RT 14.171	7.515	F-5	"O" 1+226.031 RT 11.905	7.021	2.7	0.184	
P-19	450	S-18		7.500	S-17		7.426	3.7	0.020	
P-20a	600	S-16		~~6.820~~	7.10 S-20	7.01	~~6.696~~	41.1	0.003	
P-20b	150	MATCH 4" PVC	"O" 1+243.706 RT 14.113	7.632	F-6	"O" 1+243.693 RT 11.600	6.943	2.2	0.320	
P-21a	450	S-19a		~~6.708~~	7.05 S-20	7.04	~~6.696~~	3.9	0.003	
P-21b	450	S-19b		~~6.735~~	7.08 S-19a	7.07	~~6.728~~	2.4	0.003	
P-22	600	S-20		~~6.671~~	6.99 S-21	6.96	~~6.621~~	16.7	0.003	
P-23	450	S-22		7.304	S-21		6.919	20.2	0.057	
~~P-24~~	~~450~~	~~DITCH INLET~~	~~"O" 1+291.787 LT 14.434~~	~~7.574~~	~~S-22~~		~~7.371~~	~~2.7~~	~~0.057~~	NOT NEEDED
P-25	600	S-21		~~6.596~~	6.95 S-27	6.72	~~6.532~~	21.3	0.003	
P-26	450	S-23		6.669	S-24		6.615	10.7	0.005	
P-27	450	S-24		6.595	S-27		6.480	23.5	0.005	
P-28	~~450~~ 510X380 SQUASH PIPE	S-25		~~6.455~~	7.36 S-28	6.64	~~6.347~~	~~21.6~~ 22.0	0.005	
P-29	~~300~~ 450	S-26		6.749	MATCH 12" CMP	"O" 1+314.905 LT 39.051	6.739	~~2.0~~ 1.2	0.005	
P-30	600	S-27		~~6.426~~	6.70 S-28	6.56	~~6.347~~	26.5	0.003	
P-31a	450	S-29a		6.362	S-28		6.347	3.0	0.005	
P-31b	450	S-29b		6.458	S-29a		6.382	~~15.2~~ 15.8	0.005	
P-32a	600	S-28		~~6.322~~	6.54 S-30	6.43	~~6.276~~	15.3	0.003	
P-32b	510 x 380	MATCH 22"x13" SQUASH PIPE	"O" 1+355.001 RT 7.298	6.770	S-30		6.590	1.0	0.180	
P-33	750	S-30		~~6.254~~	6.42 OUTFALL	"O" 1+368.657 RT 16.870	6.025	15.3	0.015	
P-34a	~~680x500~~ 600	S-32		6.343	MATCH 29"x18" SQUASH PIPE	"O" 1+423.171 RT 6.672	6.338	~~1.0~~ 2.0	0.005	
P-34b	680x500	MATCH 29"x18" SQUASH PIPE	"O" 1+424.904 RT 7.210	6.348	S-32		6.343	1.0	0.005	
P-35a	450	S-33		6.721	MATCH INLET	"O" 1+433.018 RT 12.966	6.701	12.2	0.003	
P-35b	~~450~~ 300	DITCH INLET	"O" 1+447.758 RT 22.450	7.419	S-33	6.69	~~6.741~~	~~10.5~~ 10.7	0.065	
P-36a	450	S-34		6.762	S-33		6.741	~~13.2~~ 12.1	0.003	
P-36b	~~450~~ 300	DITCH INLET	"O" 1+451.328 RT 26.400	7.291	S-34	6.71	~~6.782~~	~~14.2~~ 23.0	0.036	
P-37a	450	EXISTING INLET	"O" 1+463.575 RT 13.510	6.867	F-7		6.860	2.3	0.003	
P-37b	450	S-35		6.810	S-34		6.782	~~16.6~~ 17.8	0.003	
~~P-38~~	~~450~~	~~S-36~~		~~7.180~~	~~S-35~~		~~6.905~~	~~20.8~~	~~0.004~~	NOT NEEDED
P-39a	450	S-40		6.878	S-35		6.830	29.6	0.003	
P-39b	300	DITCH INLET	"M" 1+006.756 LT 2.239	N/A	OUTFALL	"M" 1+005.558 RT 2.507	N/A	4.9	N/A	FIELD DETERMINATION
P-40	~~450~~ 550X325 SQUASH PIPE	S-38		6.927	S-40		6.898	~~17.3~~ 17.7	0.003	
~~P-41a~~	~~450~~	~~S-49~~		~~7.065~~	~~MATCH INLET~~	~~"O" 1+625.166 RT 13.493~~	~~7.062~~	~~1.0~~	~~0.003~~	NOT NEEDED
~~P-41b~~	~~450~~	~~S-49~~		~~7.085~~	~~MATCH INLET~~	~~"O" 1+627.102 RT 11.862~~	~~7.088~~	~~1.0~~	~~0.003~~	NOT NEEDED
P-42a	450	S-45b		6.995	S-40		6.898	~~32.2~~ 31.7	0.003	
P-42b	450	S-45a		~~7.049~~	6.88 F-8	6.87	~~7.037~~	~~2.3~~ 2.0	0.005	
P-43	~~450~~ SQUASH PIPE	S-42		~~6.991~~	6.97 S-38	6.92	~~6.947~~	~~26.9~~ 26.5	0.003	
P-44	~~450~~ SQUASH PIPE	S-43		~~7.015~~	6.98 S-42	6.97	~~7.011~~	2.4	0.003	
~~P-45~~	~~450~~	~~S-44~~		~~7.101~~	~~S-43~~	~~6.98~~	~~7.035~~	~~40.8~~	~~0.003~~	NOT NEEDED
P-46	~~450~~ SQUASH PIPE	DRAINAGE BASIN	"O" 2+098.231 LT 21.047	7.050	OUTFALL	"O" 2+095.133 LT 27.757	6.993	7.6	0.008	
P-47	~~450~~ 300	DITCH INLET	"L" 1+056.284 RT 6.274	~~7.366~~	7.05 OUTFALL	"L" 1+036.757 RT 6.404	6.99 ~~7.306~~	20.1	0.004	
P-48a	450	DITCH INLET	"L" 1+034.141 LT 7.383	7.181	S-46a		7.108	12.2	0.006	
P-48b	450	S-46a		7.088	S-46b		7.027	~~10.1~~ 11.0	0.006	

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755
PIPE SUMMARIES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET D4

3-12-01
STATE OF ALASKA
19th
Lars K. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER

PIPE SUMMARY (continued)

PIPE LABEL	PIPE SIZE	FROM STRUCTURE	LOCATION	INLET INV.	TO STRUCTURE	LOCATION	OUTLET INV.	CEN-CEN LENGTH	PIPE SLOPE	REMARKS
P-49	450	S-46b		7.007	S-47		6.956	8.4	0.006	
P-50	450	S-48		6.979	S-47		6.956	~~3.8~~ 3.5	0.006	
P-51a	450	S-47		6.936	S-50	6.80	~~6.660~~	46.0	0.006	
P-51b	150	MATCH 4" PVC	"O" 1+626.289 RT 10.840	7.620	F-9		6.908	4.3	0.164	
P-52	450	S-51		~~6.682~~	6.83 S-50	6.81	~~6.660~~	3.6	0.006	
P-53	450	S-50		~~6.640~~	6.79 S-52	6.68	~~6.530~~	~~18.3~~ 18.6	0.006	
P-54	450	S-53		7.191	S-52		7.073	~~19.7~~ 19.2	0.006	
P-55a	300	FUTURE CONNECT	"O" 1+674.764 RT 10.669	N/A	S-52		6.530	~~5.1~~ 20.0	N/A	SLOPE UPWARD AT 2% AND CAP
P-55b	450	S-52		6.510	S-54		6.243	44.5	0.006	
P-56a	150	MATCH 4" PVC	"O" 1+705.289 RT 10.015	7.876	F-10		6.404	2.6	0.566	
P-56b	450	DITCH INLET	"O" 1+716.118 RT 10.128	7.178	S-54		6.243	3.2	0.292	
P-57	600	S-54		6.223	S-55		5.946	~~46.1~~ 46.5	0.006	
P-58	450	DITCH INLET	"O" 1+765.020 RT 10.534	6.680	S-55		5.946	3.6	0.202	
P-59	~~600~~ 570x700 SQUASH PIPE	S-55		5.926	~~S-57a~~ ACROSS DRIVEWAY		5.506	~~9.4~~ 17.6	0.045	
P-60a	900	S-57b		5.261	OUTFALL	"O" 1+760.924 LT 14.133	5.113	~~7.6~~ 6.9	0.019	
~~P-60b~~	~~900~~	~~MATCH 900mm CMP~~	~~"O" 1+765.921 LT 7.406~~	~~5.287~~	~~S-57b~~		~~5.271~~	~~1.0~~	~~0.016~~	NOT NEEDED
P-61	2400	DUCK CRK	"O" 1+787.062 LT 16.206	4.960	DUCK CRK	"O" 1+762.478 LT 16.325	4.900	27.5	0.002	ELEV. @ STREAM BED
P-62	450	DITCH INLET	"O" 1+851.500 RT 9.79	6.783	S-59		6.761	3.0	0.007	
P-63a	~~600~~ 700x540 SQUASH PIPE	S-59		~~5.786~~	6.33 S-58	6.23	~~5.686~~	13.8	0.007	
P-63b	450	S-56		~~5.955~~	6.39 S-59	6.35	~~5.900~~	~~18.5~~ 16.3	0.003	
P-64a	~~600~~ 660x510 SQUASH PIPE	S-58		5.666	OUTFALL	"O" 1+851.500 LT 16.517	5.595	~~9.7~~ 6.1	0.007	
P-64b	2400	DUCK CRK	"O" 1+878.788 LT 15.915	5.230	DUCK CRK	"O" 1+857.445 LT 16.229	5.185	21.4	0.003	ELEV. @ STREAM BED
P-65a	510 x 380	S-60a		6.674	MATCH 22"x13" SQUASH PIPE	"O" 1+891.200 RT 5.600	6.650	1.0	0.024	
P-65b	450	S-60b		5.797	OUTFALL	"O" 1+897.078 LT 15.670	5.719	~~5.8~~ 4.3	0.013	
P-66a	~~600~~ 700x540 SQUASH PIPE	S-61		6.313	S-62		6.297	~~2.3~~ 1.7	0.007	
P-66b	510 x 380	MATCH 22"x13" SQUASH PIPE	"O" 2+022.211 LT 5.900	~~6.697~~	6.69 S-64b		6.692	1.0	0.005	
P-67a	~~600~~ 700x540 SQUASH PIPE	S-62		~~6.277~~	6.61 S-63	6.55	~~6.236~~	~~13.8~~ 14.2	0.003	
P-67b	~~600~~ 660x510 SQUASH PIPE	S-63		~~6.216~~	6.53 OUTFALL	"O" 2+000.000 LT 12.100	6.200	~~5.2~~ 6.1	0.003	
P-68a	450	S-67a		7.377	S-67b		7.065	20.3	0.015	
P-68b	450	S-67b		7.045	OUTFALL	"O" 2+303.540 LT 15.930	6.857	~~12.2~~ 12.5	0.015	
~~P-69a~~	~~450~~	~~EXISTING INLET~~	~~"O" 2+021.920 RT 12.400~~	~~6.770~~	~~S-64a~~		~~6.750~~	~~5.9~~	~~0.003~~	EXISTING LEFT IN PLACE
P-69b	510 x 380	S-64a		6.740	MATCH 22"x13" SQUASH PIPE	"O" 2+021.920 RT 5.900	6.735	~~1.0~~ 0.6	0.005	
P-70a	~~450~~ 510x380 SQUASH PIPE	S-64b		6.672	OUTFALL	"O" 2+022.370 LT 13.480	6.639	~~6.6~~ 6.1	0.005	
P-70b	510 x 380	S-65	7.24	~~7.280~~	MATCH 22"x13" SQUASH PIPE	"O" 2+100.434 RT 3.725	7.254	3.2	0.008	
P-71	~~600~~ 700x540 SQUASH PIPE	S-66		6.882	OUTFALL	"O" 2+129.677 LT 16.122	6.547	~~23.1~~ 22.5	0.015	
~~P-72a~~	~~900~~	~~S-57a~~		~~5.481~~	~~MATCH 900mm CMP~~	~~"O" 1+771.178 LT 1.145~~	~~5.466~~	~~1.0~~	~~0.015~~	NOT NEEDED
~~P-72b~~	~~900~~	~~MATCH 900mm CMP~~	~~"O" 1+773.285 RT 1.156~~	5.506	S-57a		~~5.491~~	~~1.0~~	~~0.015~~	NOT NEEDED
P-73	~~600~~ 700x540 SQUASH PIPE	DITCH INLET	"O" 2+185.037 RT 12.102	6.988	S-69		6.921	5.3	0.013	
P-74	~~600~~ 700x540 SQUASH PIPE	S-69		6.901	S-68		6.686	~~16.7~~ 17.5	0.013	
P-75	~~600~~ 700x540 SQUASH PIPE	S-68		6.666	OUTFALL	"O" 2+179.931 LT 14.743	6.597	~~5.4~~ 6.0	0.013	
P-76	~~450~~ 510x380 SQUASH PIPE	S-70		7.577	OUTFALL	"O" 2+246.612 LT 19.050	7.500	~~6.4~~ 6.8	0.012	
P-77	~~450~~ 510x380 SQUASH PIPE	S-71		7.700	S-70		7.597	8.5	0.012	
P-78	450	DITCH	"O" 2+335.282 RT 10.746	7.902	OUTFALL	"O" 2+326.190 RT 10.749	7.872	~~9.0~~ 6.0	0.003	
P-79	450	DITCH	"O" 2+360.007 RT 10.805	7.754	S-73	7.46	~~7.704~~	~~3.2~~ 4.0	0.015	
P-80	450	S-73		~~6.684~~	7.18 S-72	6.92	~~6.470~~	13.9	0.015	
P-81	450	S-72		~~6.450~~	6.90 OUTFALL	"O" 2+360.006 LT 14.171	6.84 ~~6.339~~	~~7.2~~ 7.8	0.015	
~~P-82~~	~~450~~	~~DITCH~~	~~"O" 2+400.681 RT 11.140~~	~~7.697~~	~~OUTFALL~~	~~"O" 2+389.389 RT 11.140~~	~~7.654~~	~~8.8~~	~~0.005~~	NOT NEEDED
P-83	450	DITCH	"O" 2+430.220 RT 13.678	7.307	S-75a		7.273	~~3.5~~ 4.0	0.010	
P-84a	450	S-75a		7.253	S-74		7.087	~~17.0~~ 16.6	0.010	
P-84b	~~450~~ 510x380 SQUASH PIPE	S-75b		7.478	S-75a		7.273	~~20.5~~ 20.0	0.010	
P-85	450	S-74		7.067	OUTFALL	"O" 2+430.220 LT 12.952	7.009	6.0	0.010	
P-86	750	DITCH	"O" 2+474.000 RT 16.265	7.126	S-77		7.076	~~3.8~~ 5.3	0.013	
P-87	750	S-77		7.056	S-76		6.804	~~19.4~~ 19.0	0.013	
P-88	750	S-76		6.784	OUTFALL	"O" 2+474.000 LT 12.508	6.711	~~5.6~~ 6.0	0.013	
P-89	~~600~~ 700x540 SQUASH PIPE	S-78		~~7.223~~	7.19 OUTFALL	"O" 2+513.814 RT 18.504	7.142	~~5.0~~ 4.5	0.016	
P-90	~~450~~ 510x380 SQUASH PIPE	S-78		~~7.223~~	7.23 OUTFALL	"O" 2+516.571 RT 26.743	7.180	~~7.1~~ 6.5	0.006	
P-91	~~600~~ 700x540 SQUASH PIPE	S-79		7.293	S-78	7.21	~~7.243~~	~~8.4~~ 8.9	0.006	
P-92	600	OUTFALL	"O" 2+529.232 RT 27.209	7.344	S-79		7.313	5.2	0.006	
P-93	600	MATCH 24" CMP	"O" 2+564.416 RT 15.445	6.971	OUTFALL	"O" 2+564.363 RT 17.228	6.967	1.8	0.002	
P-94	1220	EXISTING	"O" 2+572.168 LT 13.492	N/A	OUTFALL	"O" 2+567.525 LT 13.515	N/A	4.6	N/A	FIELD DETERMINATION
P-95	600	OUTFALL	"O" 2+565.275 LT 13.473	7.036	EXISTING	"O" 2+565.235 LT 12.123	7.032	2.1	0.002	
P-96	300	DUCK CRK	"O" 2+519.519 LT 15.975	6.752	DUCK CRK	"O" 2+489.482 LT 15.975	6.739	30.0	0.000	EQUALIZATION CULVERT

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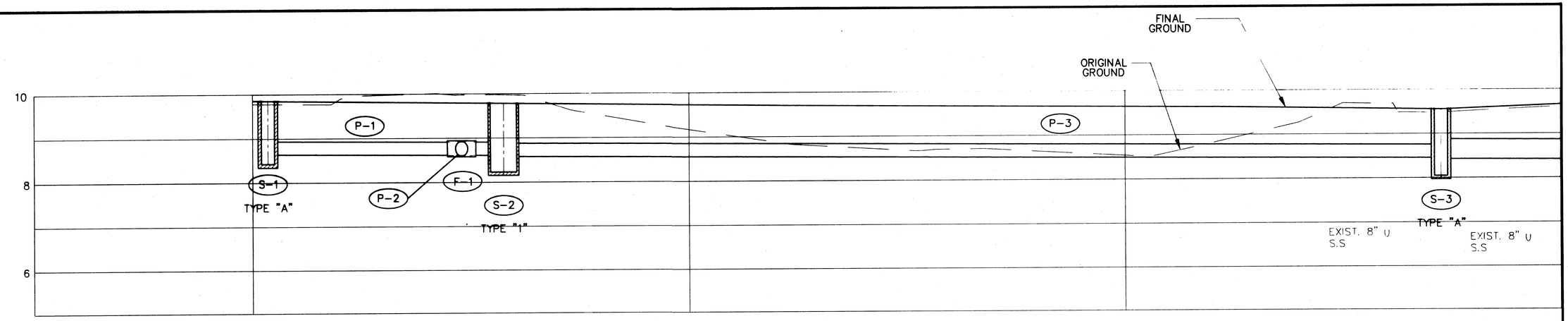
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

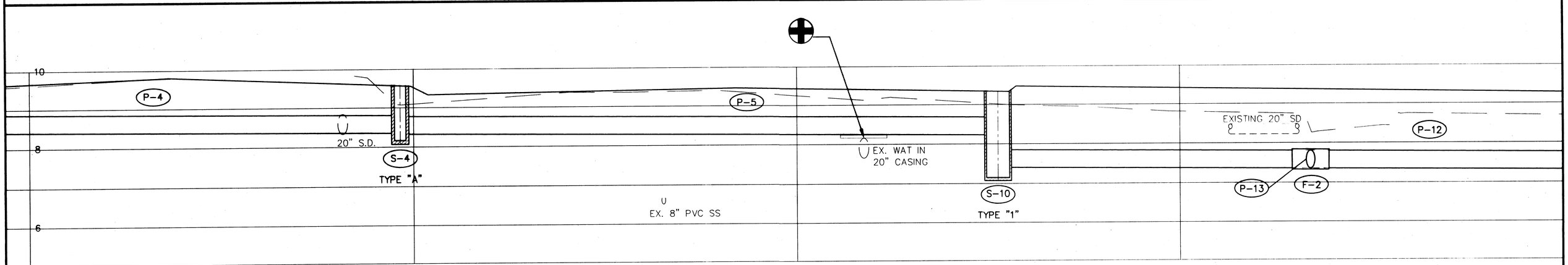
JUNEAU — JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD — ALASKA
FED. NO. F-M-000S(90) ~ PROJECT NO. 69755

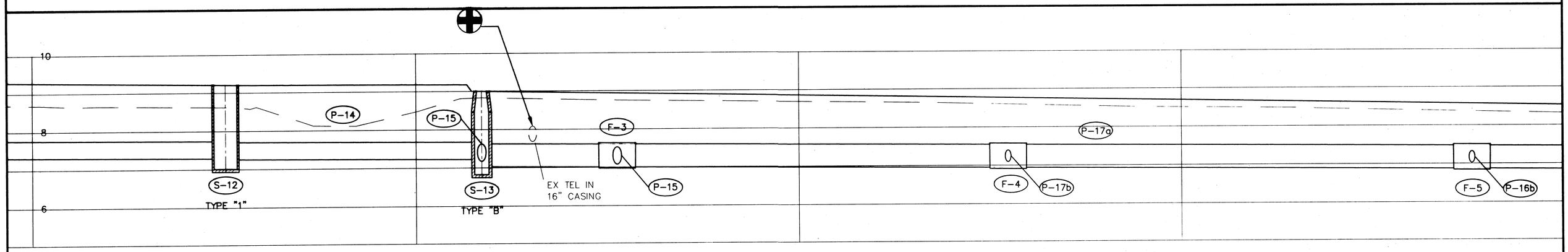
PIPE SUMMARIES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET D5

3-12-01 STATE OF ALASKA 19th Tom R. Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER







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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

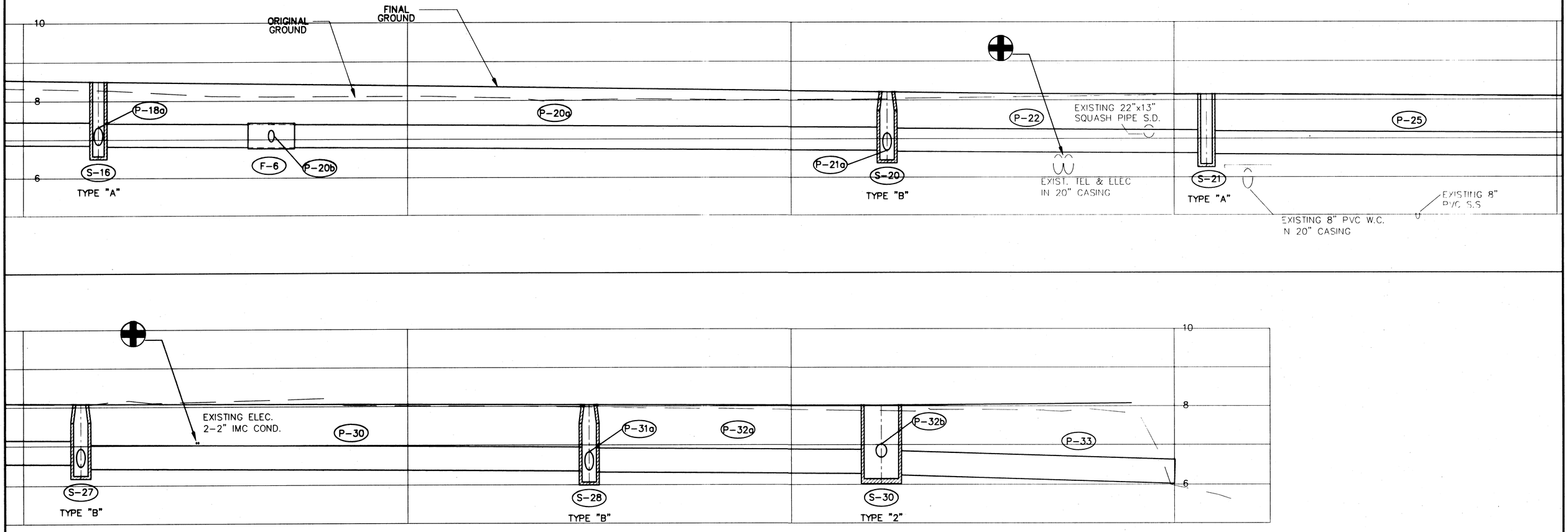
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-000S(90) ~ PROJECT NO. 69755

DRAINAGE PROFILES "0" 1+022 to 1+370

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./B.B./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET D6

3.12.01 STATE OF ALASKA 19th Lyle E. Gregovich 49-2065 REGISTERED PROFESSIONAL ENGINEER



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

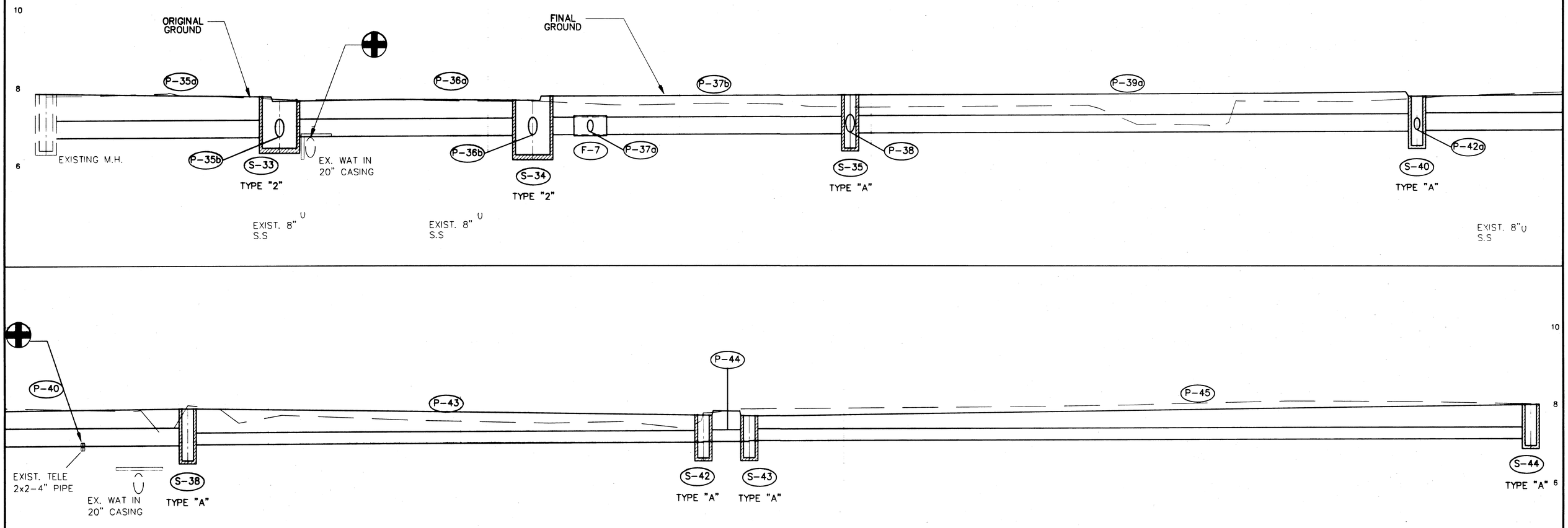
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-000S(90) ~ PROJECT NO. 69755

DRAINAGE PROFILES "0" 1+022 to 1+370

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./B.B./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET D7

5-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER
CE-8965



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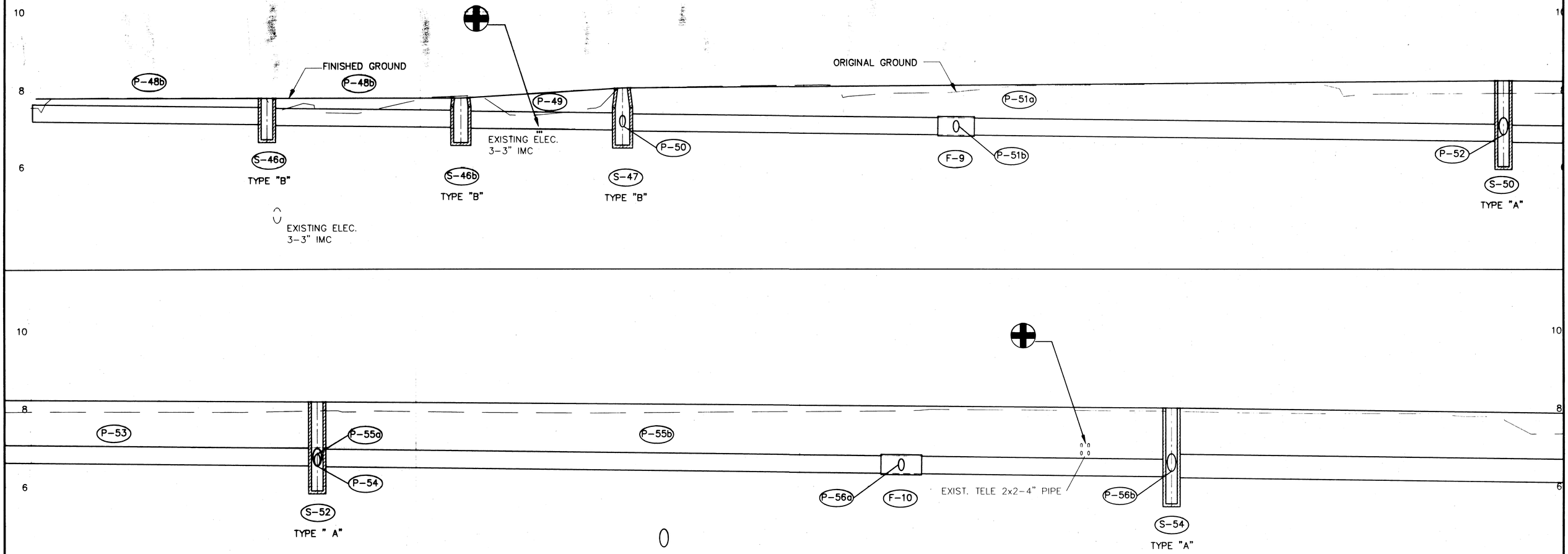
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — *JNU-GLACIER HIGHWAY* — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

DRAINAGE PROFILES "0" 1+430 to 1+535

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R.S./B.B./M.L.*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *D8*

3-12-01 STATE OF ALASKA 19th REGISTERED PROFESSIONAL ENGINEER



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Drainprof.dwg Thu, 15/Mar/01 03:20PM		
PLOT: PS: 1=1(F) OR MS: 1=100(F) VIEWS: P4,P5,P6 TAB: DRAIN2		
BY:	DATE:	DESCRIPTION OF CHANGE:

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

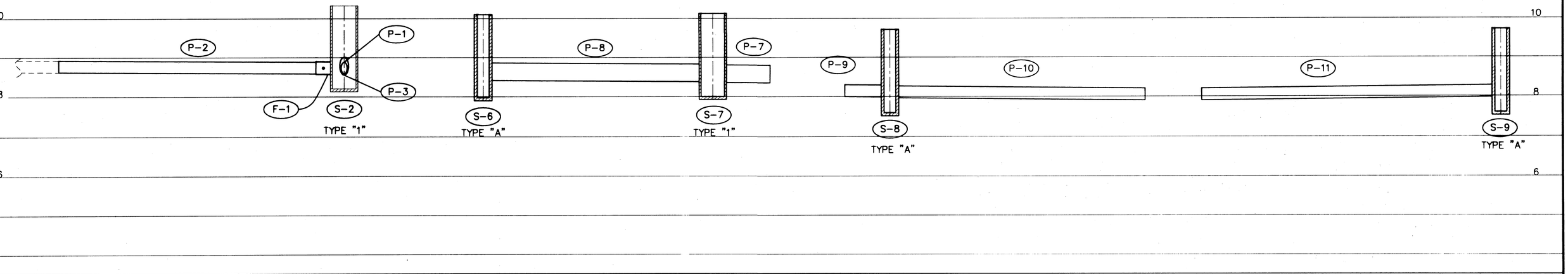
JUNEAU — ALASKA

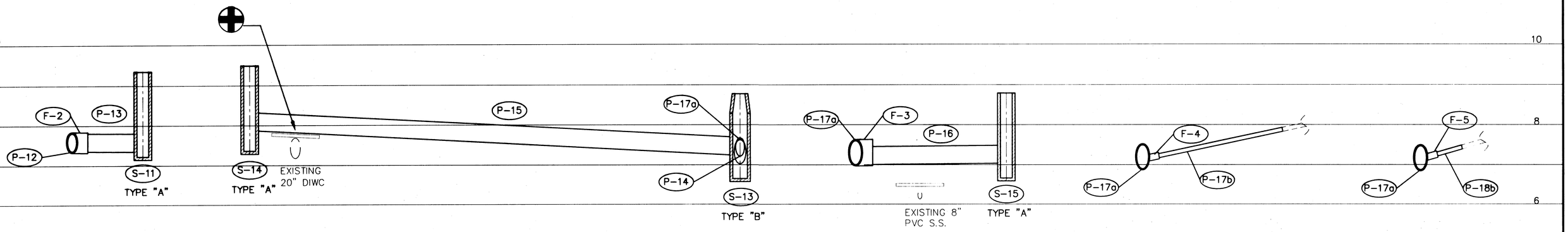
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-000S(90) ~ PROJECT NO. 69755

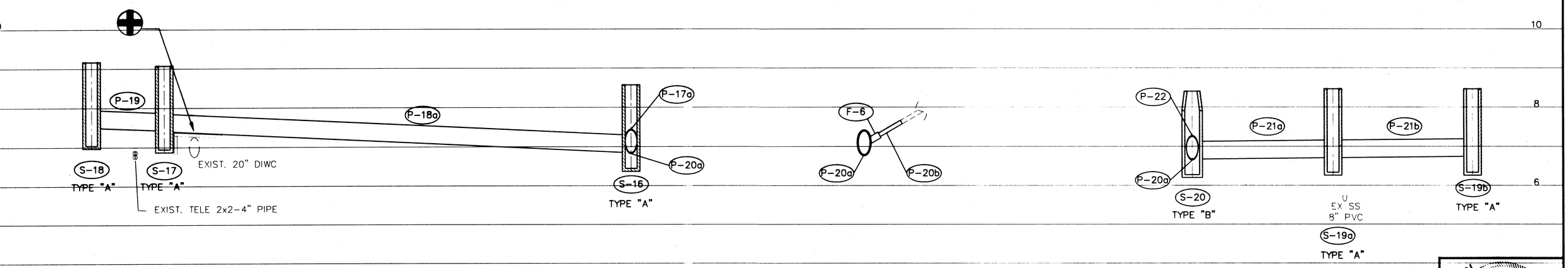
DRAINAGE PROFILES "0" 1+600 to 1+772

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./B.B./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET D9

3-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER







NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

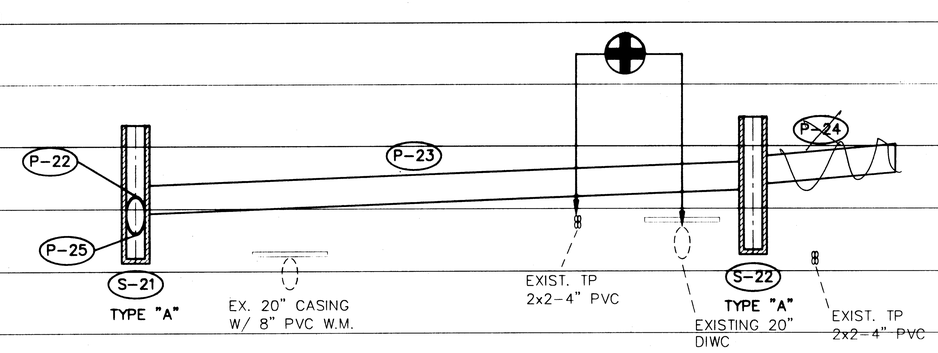
JUNEAU — ALASKA

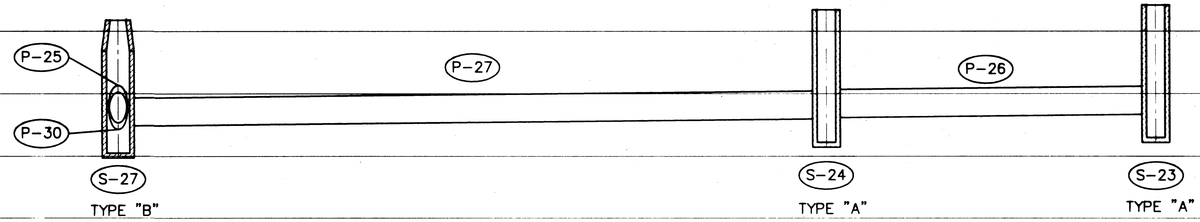
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-000S(90) ~ PROJECT NO. 69755

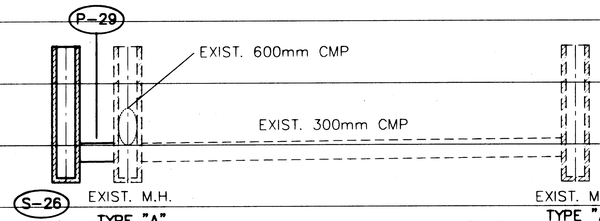
DRAINAGE PROFILE – BRANCH LINES

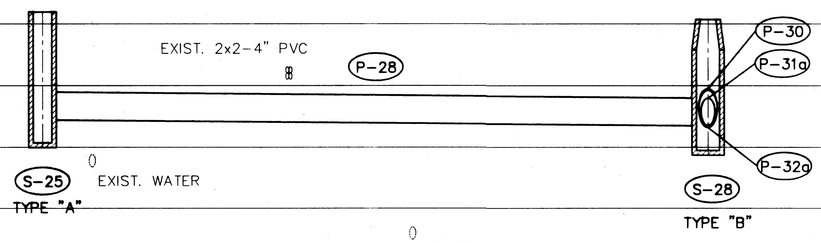
DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./B.B./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET D10

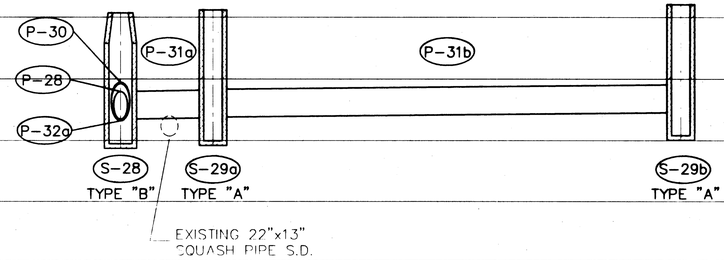
3-12-01
STATE OF ALASKA
19th
Lyle R. Gregovich
REGISTERED PROFESSIONAL ENGINEER

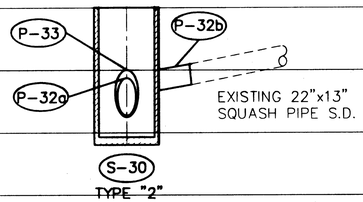


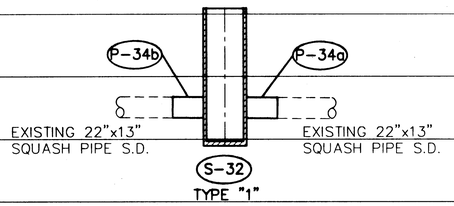


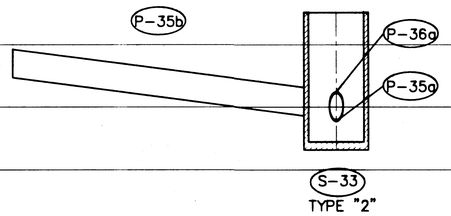


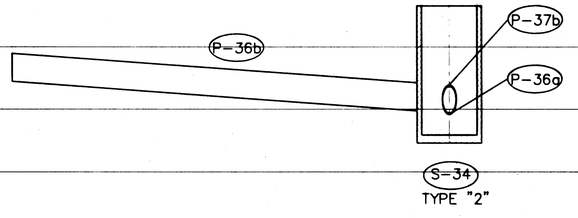












NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

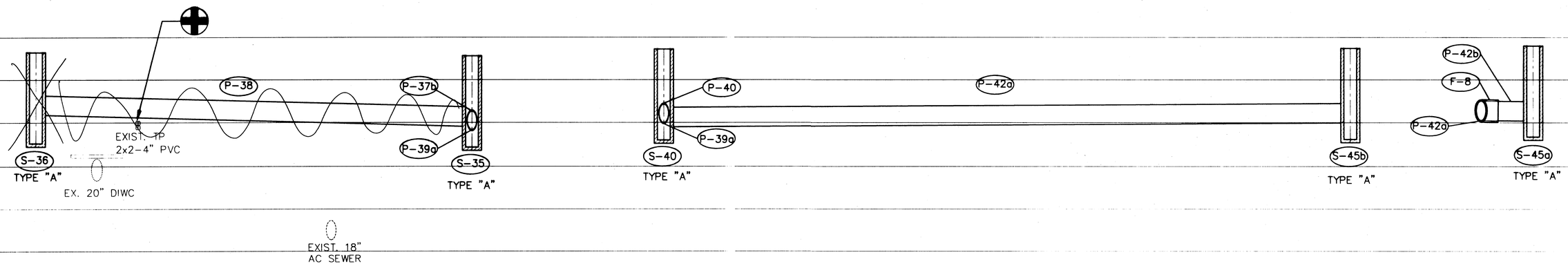
JUNEAU — ALASKA

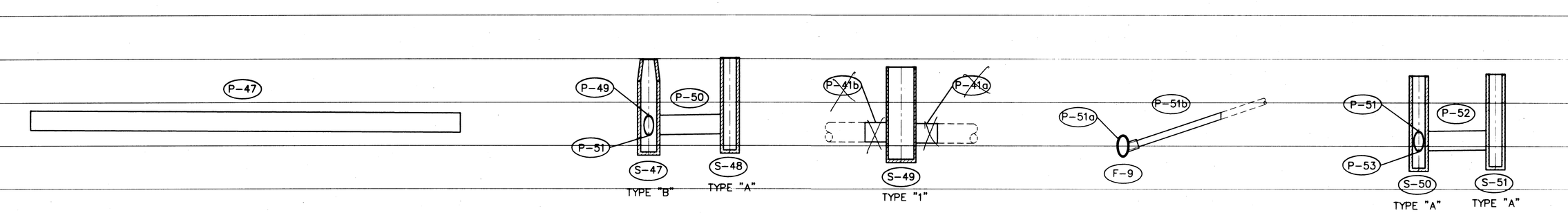
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

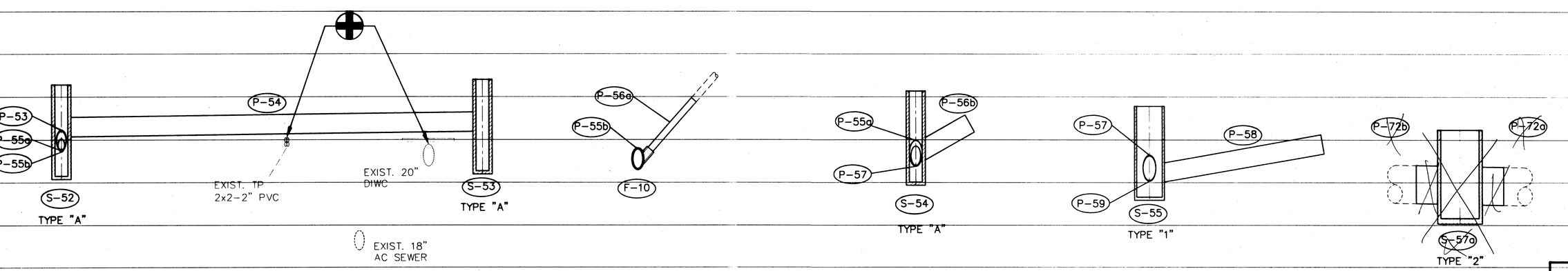
DRAINAGE PROFILES-BRANCH LINES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M. LIMBAUGH	DATE: 2001
CHECKED BY: T. MOORE	SHEET D11

3-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER
CE-3005







NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

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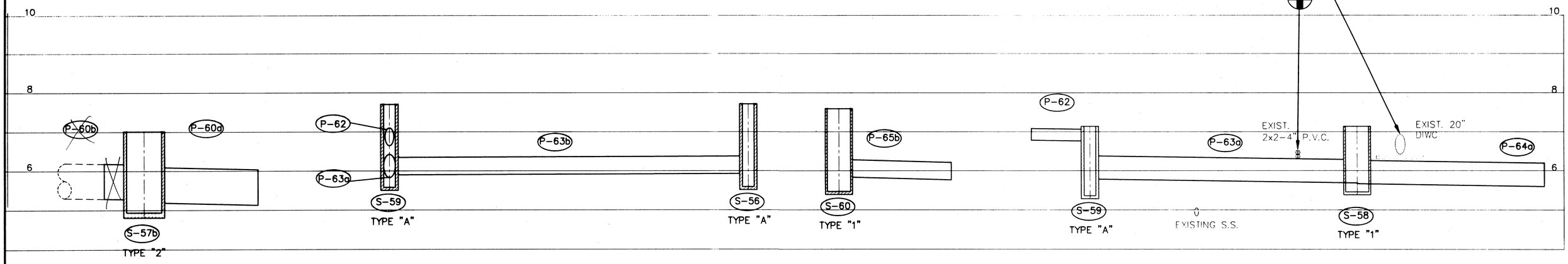
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

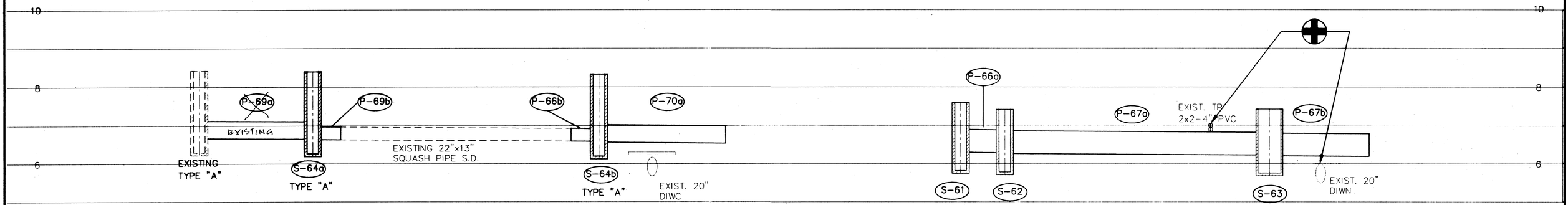
JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

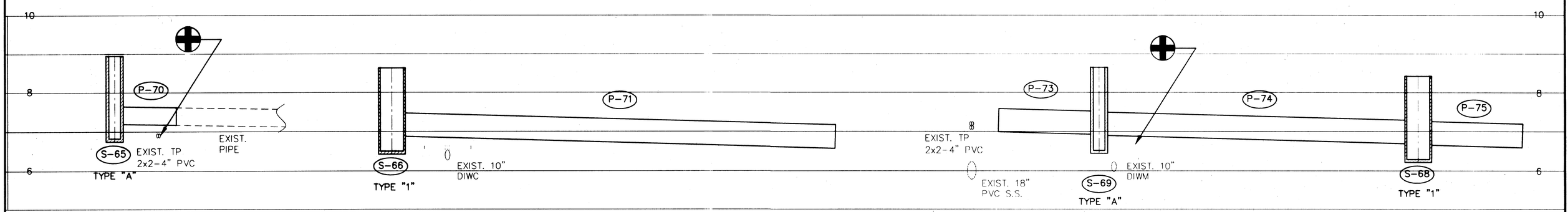
DRAINAGE PROFILES-BRANCH LINES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M. LIMBAUGH	DATE: 2001
CHECKED BY: T. MOORE	SHEET D12

5-12-01 STATE OF ALASKA 19th Lars R. Jung REGISTERED PROFESSIONAL ENGINEER







NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

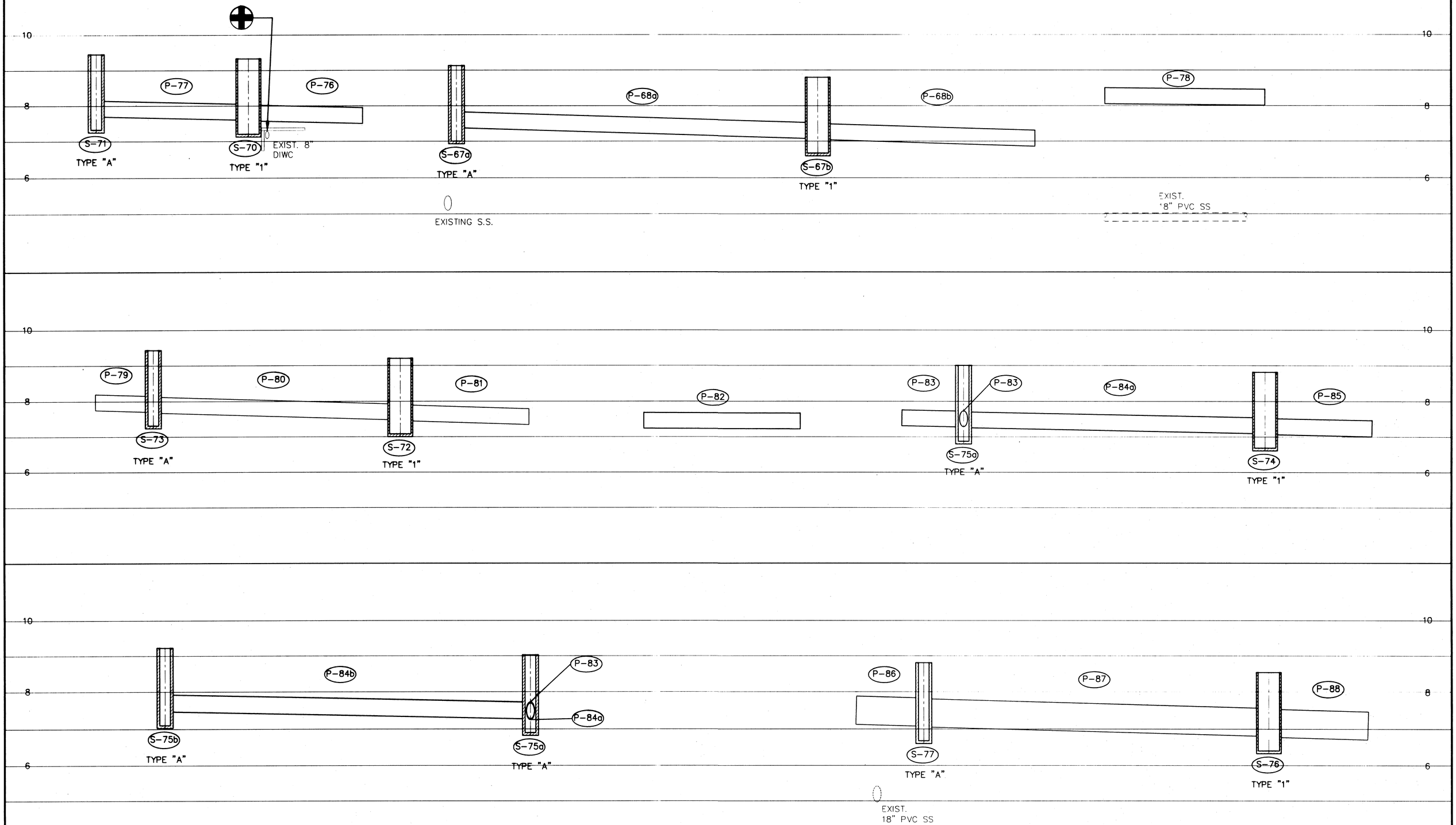
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-000S(90) ~ PROJECT NO. 69755

DRAINAGE PROFILES-BRANCH LINES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M. LIMBAUGH	DATE: 2001
CHECKED BY: T. MOORE	SHEET D13

3-12-01
STATE OF ALASKA
19th
Lars R. Lang
CE-8065
REGISTERED PROFESSIONAL ENGINEER



NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Drainprof.dwg Thu, 15/Mar/01 03:22PM		
PLOT: PS: 1=1(F) OR MS: 1=100(F) VIEWS: P4,P5,P6 TAB: DRAIN2		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

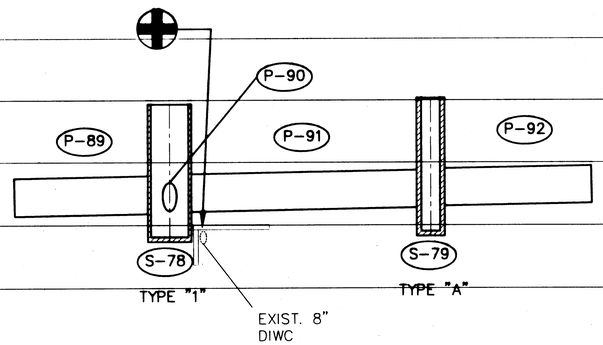
JUNEAU — ALASKA

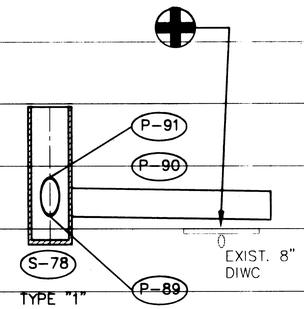
JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-000S(90) ~ PROJECT NO. 69755

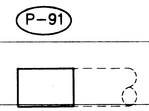
DRAINAGE PROFILES–BRANCH LINES

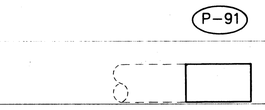
DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M. LIMBAUGH	DATE: 2001
CHECKED BY: T. MOORE	SHEET D14

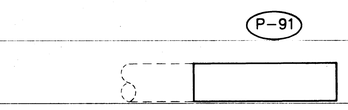
3-2-01
STATE OF ALASKA
19th
Lars R. Gregovich
Jr. R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER











NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

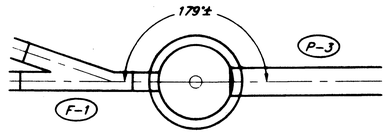
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F–M–000S(90) ~ PROJECT NO. 69755

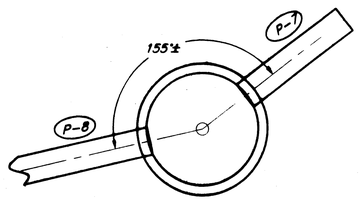
DRAINAGE PROFILES

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET D15

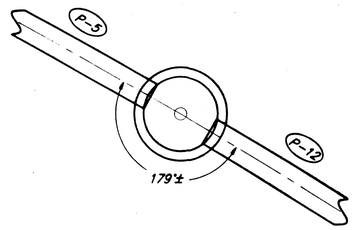
3-12-01
STATE OF ALASKA
19th
Lee R. Gregovich
(E-9065)
REGISTERED PROFESSIONAL ENGINEER



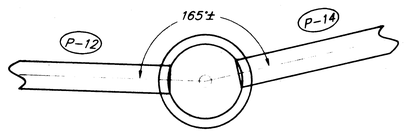
S-2
TYPE I



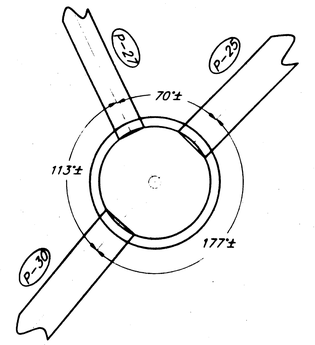
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TYPE II



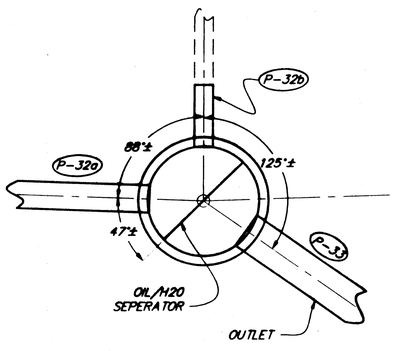
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TYPE I



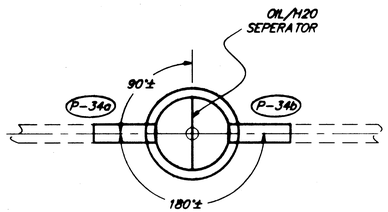
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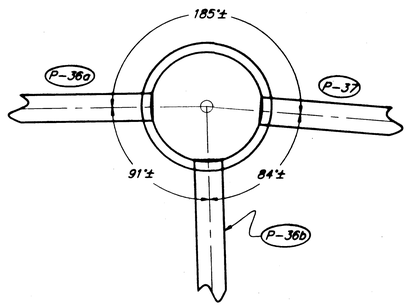
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TYPE II



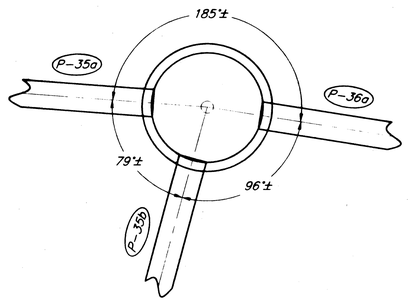
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TYPE II



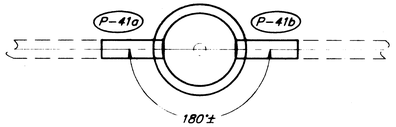
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TYPE I



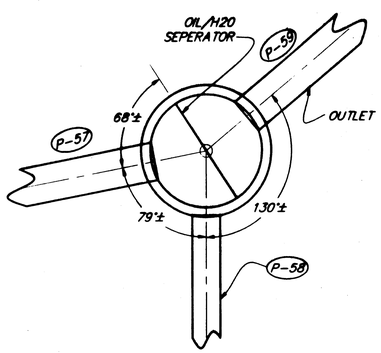
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TYPE II



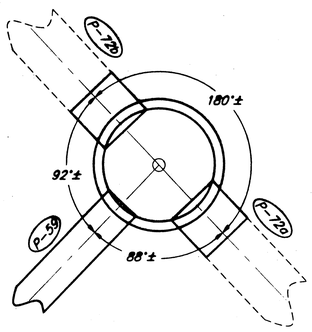
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TYPE II



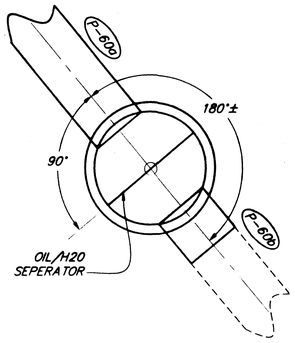
S-49
TYPE I



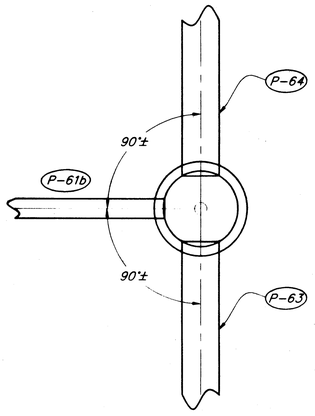
S-55
TYPE II



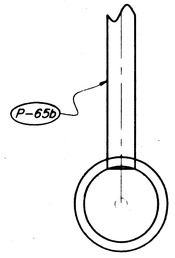
S-57a
TYPE II



S-57b
TYPE II



S-58
TYPE I



S-60b
TYPE I

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

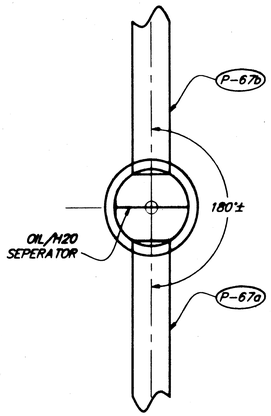
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

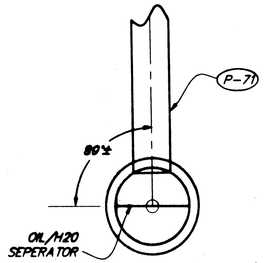
DRAINAGE STRUCTURE DETAILS

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *A. STEININGER*	SHEET *D16*

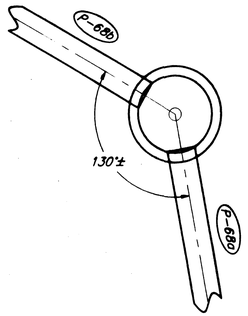
3-12-01
STATE OF ALASKA
49th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



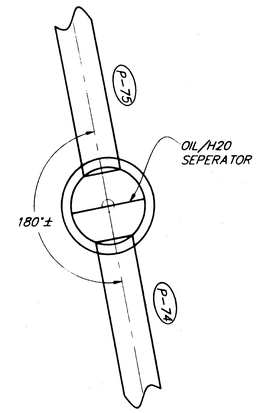
S-63
TYPE I



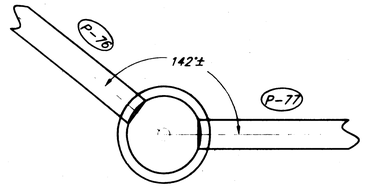
S-66
TYPE I



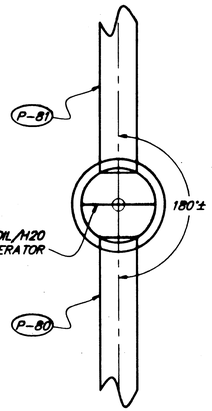
S-67b
TYPE I



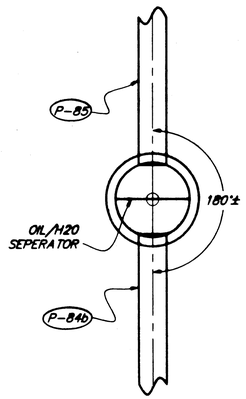
S-68
TYPE I



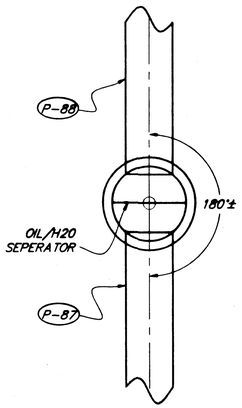
S-70
TYPE I



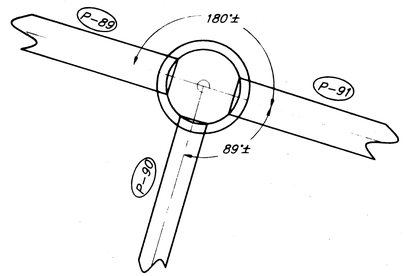
S-72
TYPE I



S-74
TYPE I



S-76
TYPE I



S-78
TYPE I

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

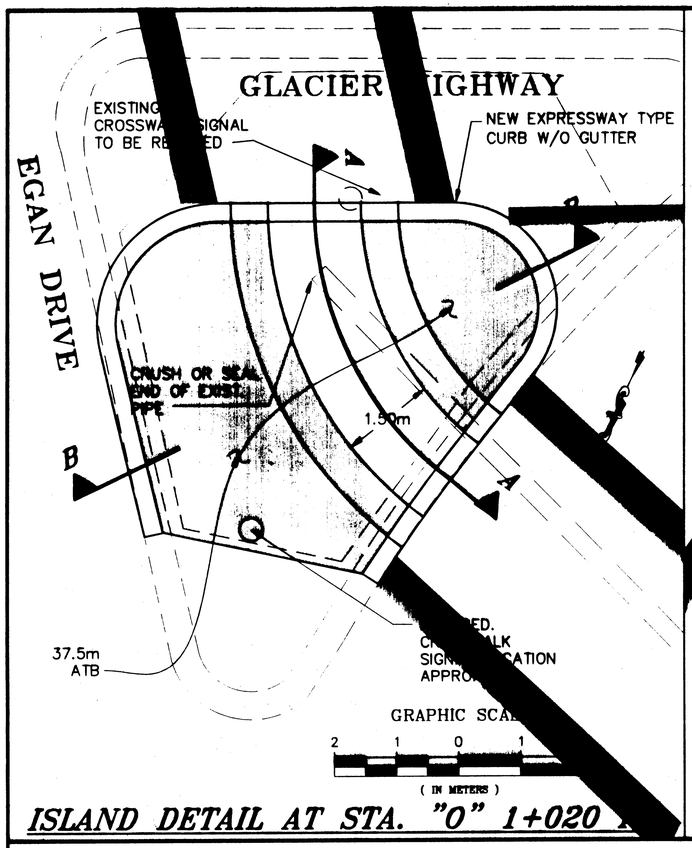
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

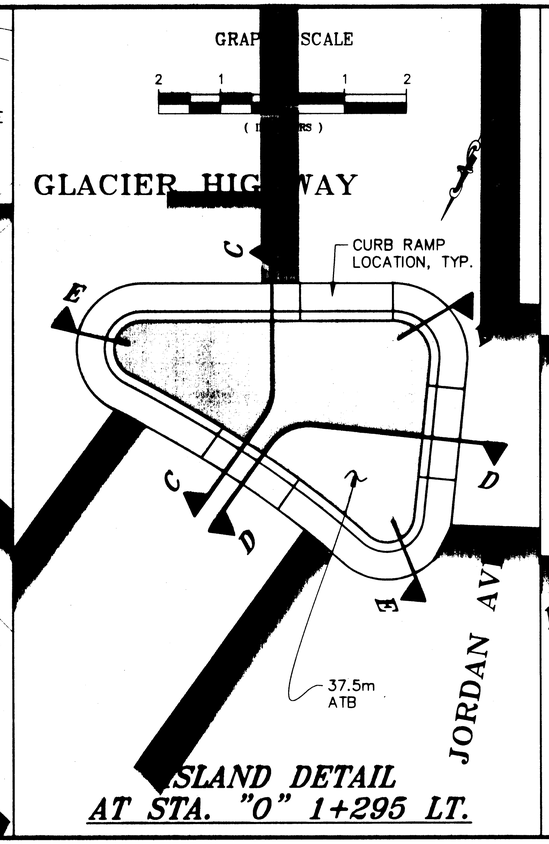
DRAINAGE STRUCTURE DETAILS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: A. STEININGER	SHEET D17

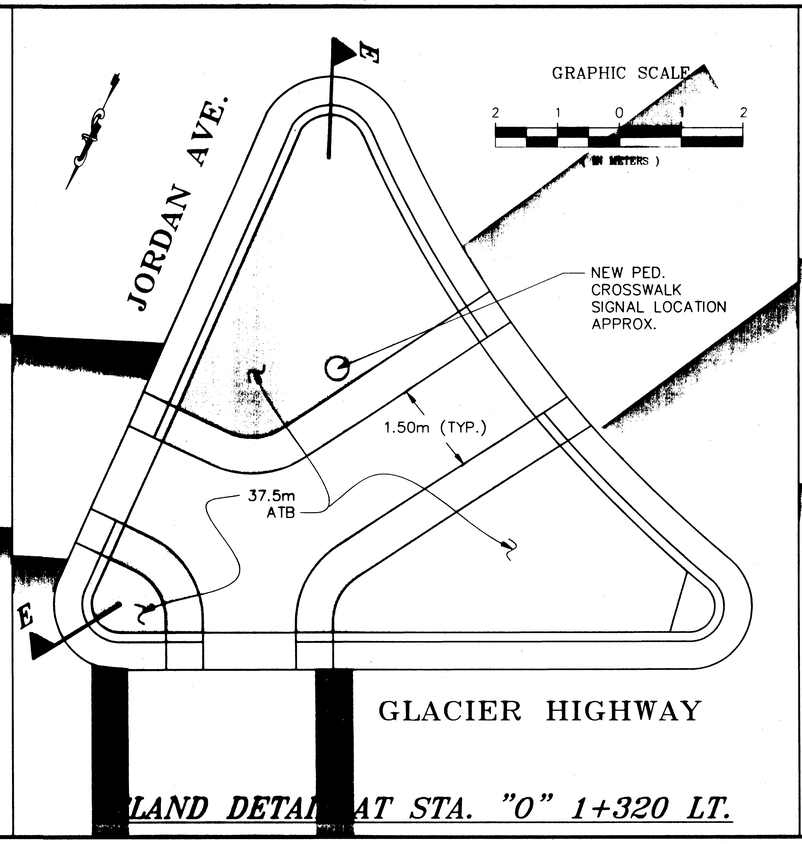
5-12-01
STATE OF ALASKA
49th
Lee R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



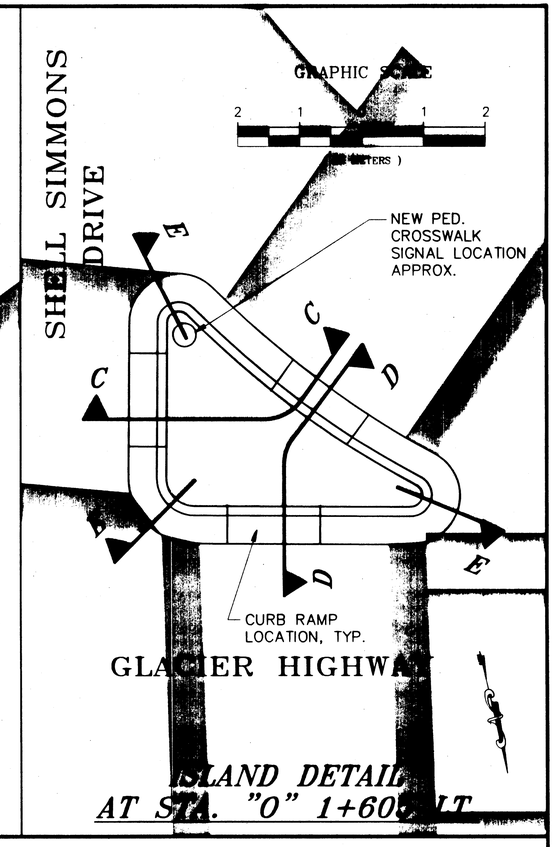
ISLAND DETAIL AT STA. "0" 1+020



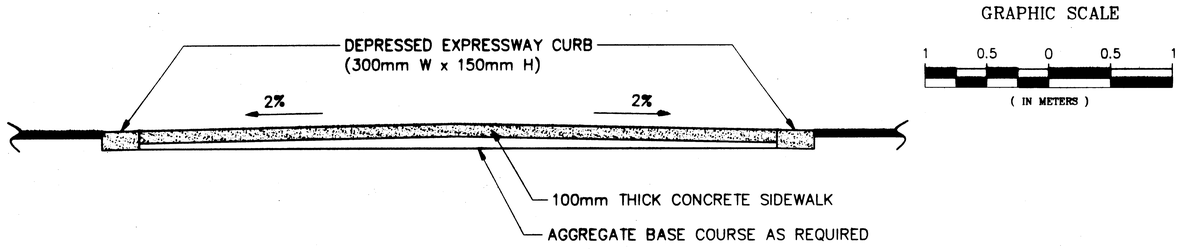
ISLAND DETAIL AT STA. "0" 1+295 LT.



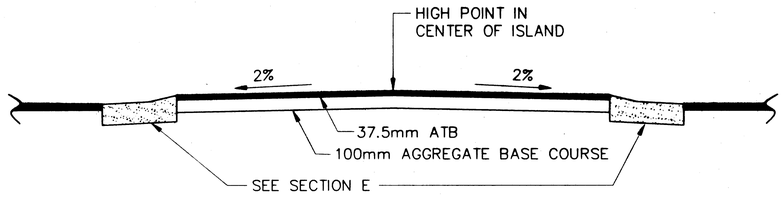
ISLAND DETAIL AT STA. "0" 1+320 LT.



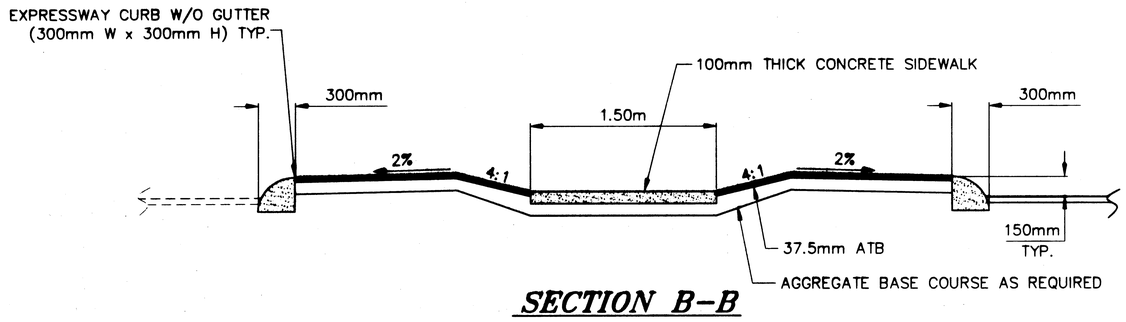
ISLAND DETAIL AT STA. "0" 1+60[illegible] LT.



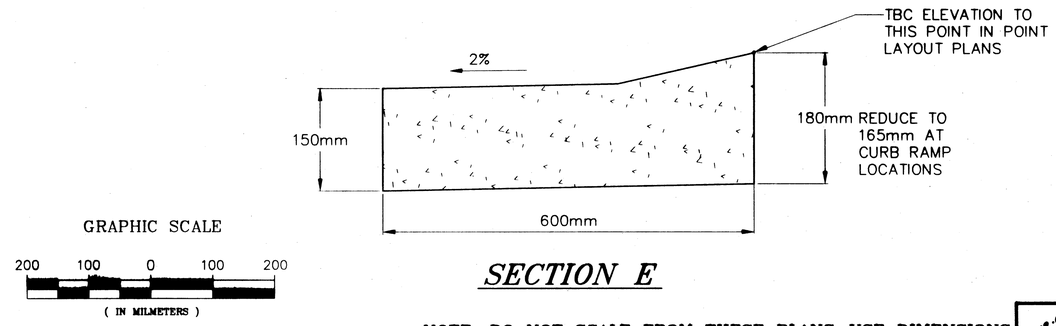
SECTION A-A



SECTION C-C AND D-D



SECTION B-B



SECTION E

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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PLOT: PSPACE: 1=1(F) OR MSPACE: AS SHOWN

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

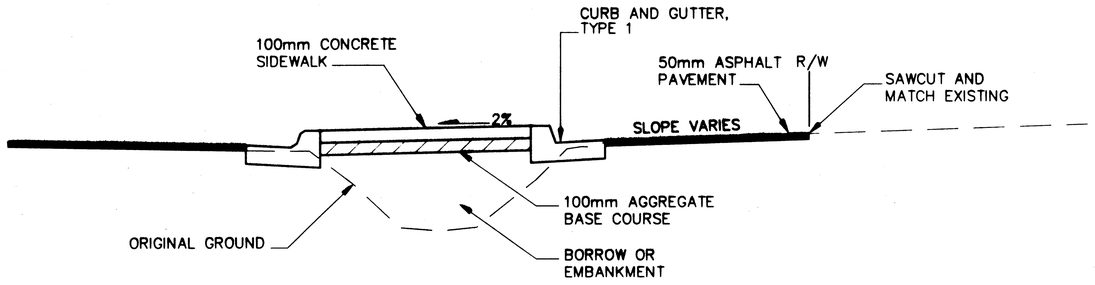
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

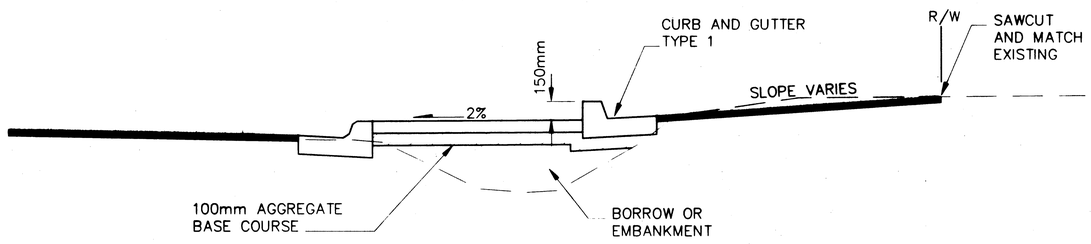
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90) ~ PROJECT NO. 69755
ISLAND DETAILS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET E1

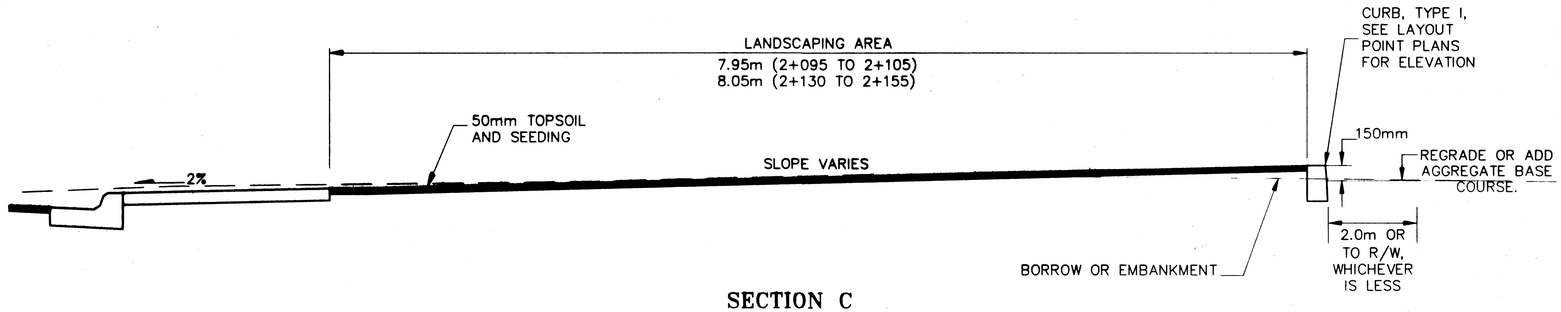
3-12-01
STATE OF ALASKA
49th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



SECTION A



SECTION B



SECTION C

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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PLOT: *PSPACE: 1=1(F) MSPACE: 1=50(F)*		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

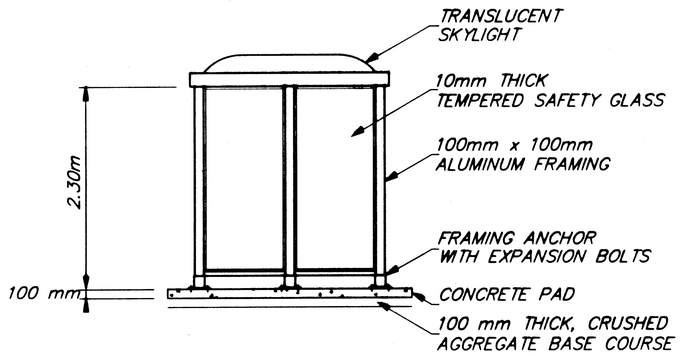
JUNEAU — *ALASKA*

OLD GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

MISCELLANEOUS SECTIONS

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *T. MOORE*	*E2*

3-12-01
STATE OF ALASKA
49th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER

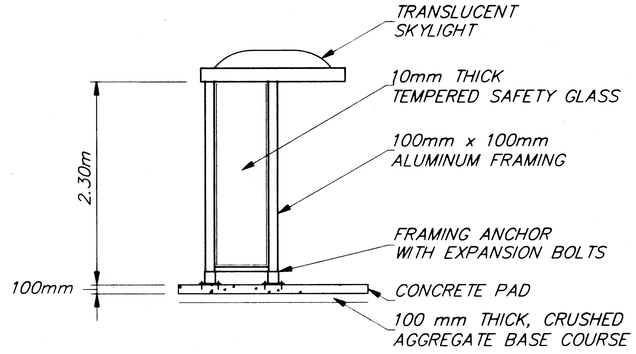


SIDE ELEVATION

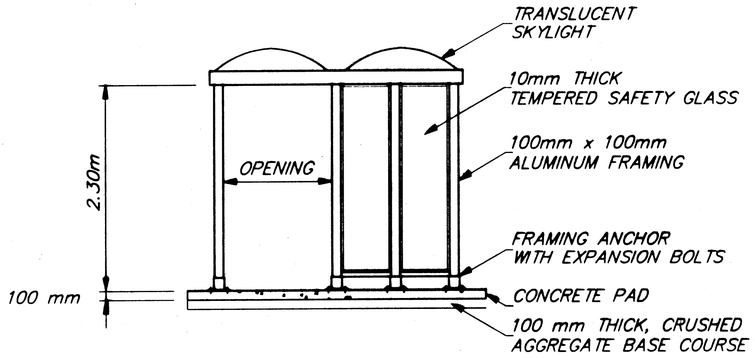
BUS SHELTER NOTES

1. BUS SHELTER–TYPE I SHALL BE A SPECIAL ORDER 2.85m X 2.25m (9'4" X 7'4") SHELTER AS MANUFACTURED BY COLUMBIA EQUIPMENT COMPANY, OR APPROVED EQUAL. THE TYPE I DRAWING SHOWN DEPICTS THE LH STYLE WITH THE OPENING ON THE LEFT HAND SIDE. THE RH STYLE HAS THE OPENING ON THE RIGHT HAND SIDE (FACING THE FRONT).

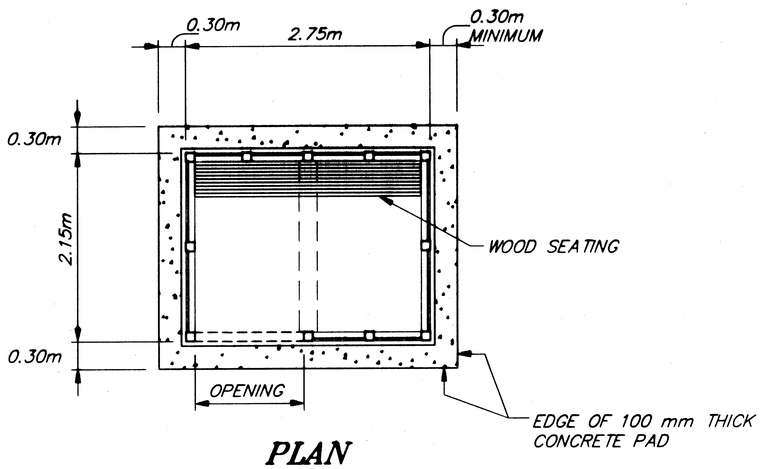
2. BUS SHELTER–TYPE II SHALL BE COLUMBIA EQUIPMENT COMPANY MODEL 2002, OR APPROVED EQUAL.



SIDE ELEVATION

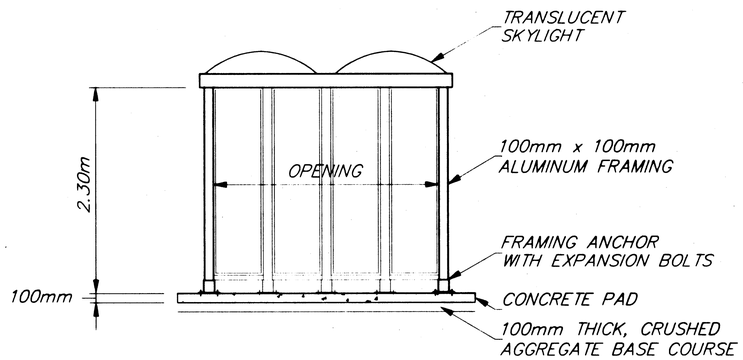


FRONT ELEVATION

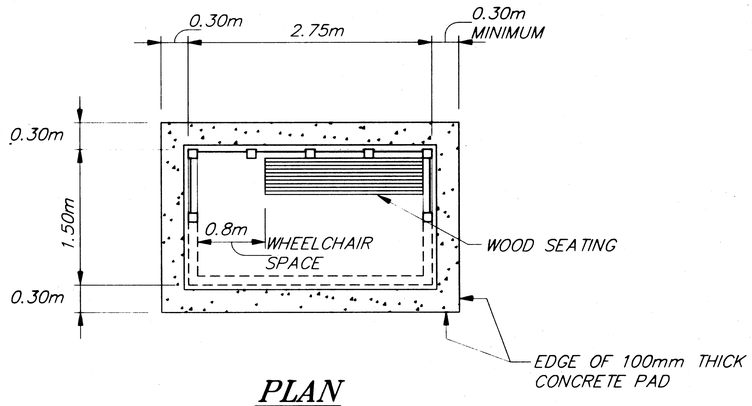


PLAN

BUS SHELTER – TYPE I



FRONT ELEVATION



PLAN

BUS SHELTER – TYPE II

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

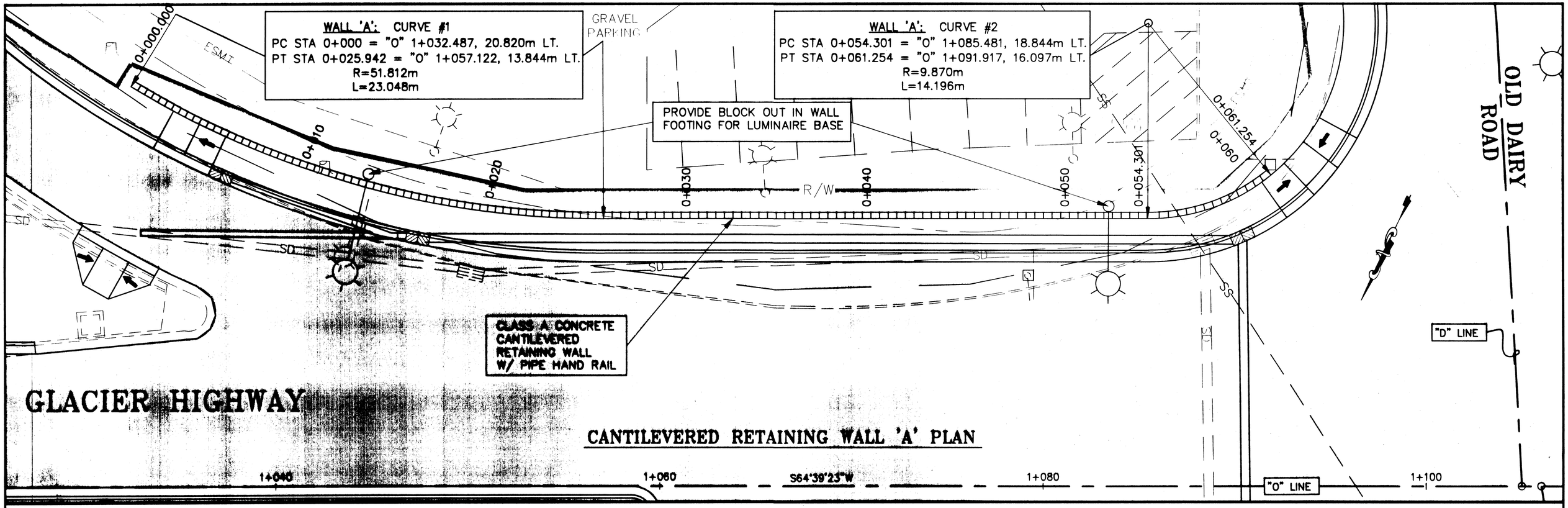
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

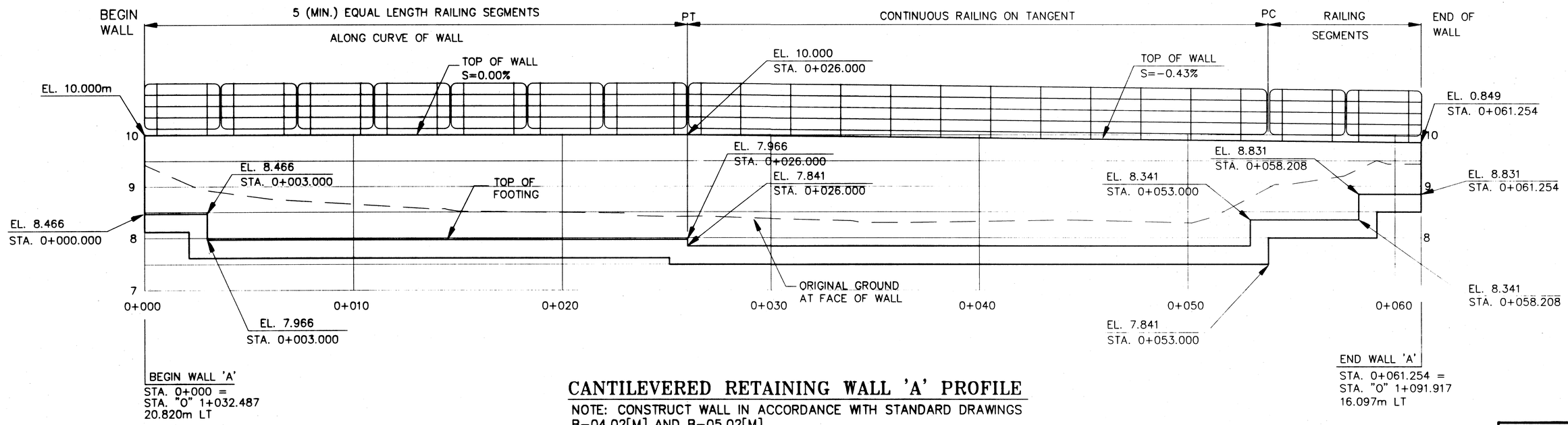
JUNEAU — JNU–GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755
BUS SHELTER DETAILS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: D.W./R.S.	DATE: 2001
CHECKED BY: A. STEININGER	SHEET E3

3-12-01 STATE OF ALASKA 49th Lars R. Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER



CANTILEVERED RETAINING WALL 'A' PLAN



BEGIN WALL 'A'
STA. 0+000 =
STA. "0" 1+032.487
20.820m LT

END WALL 'A'
STA. 0+061.254 =
STA. "0" 1+091.917
16.097m LT

CANTILEVERED RETAINING WALL 'A' PROFILE

NOTE: CONSTRUCT WALL IN ACCORDANCE WITH STANDARD DRAWINGS B-04.02[M] AND B-05.02[M].

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

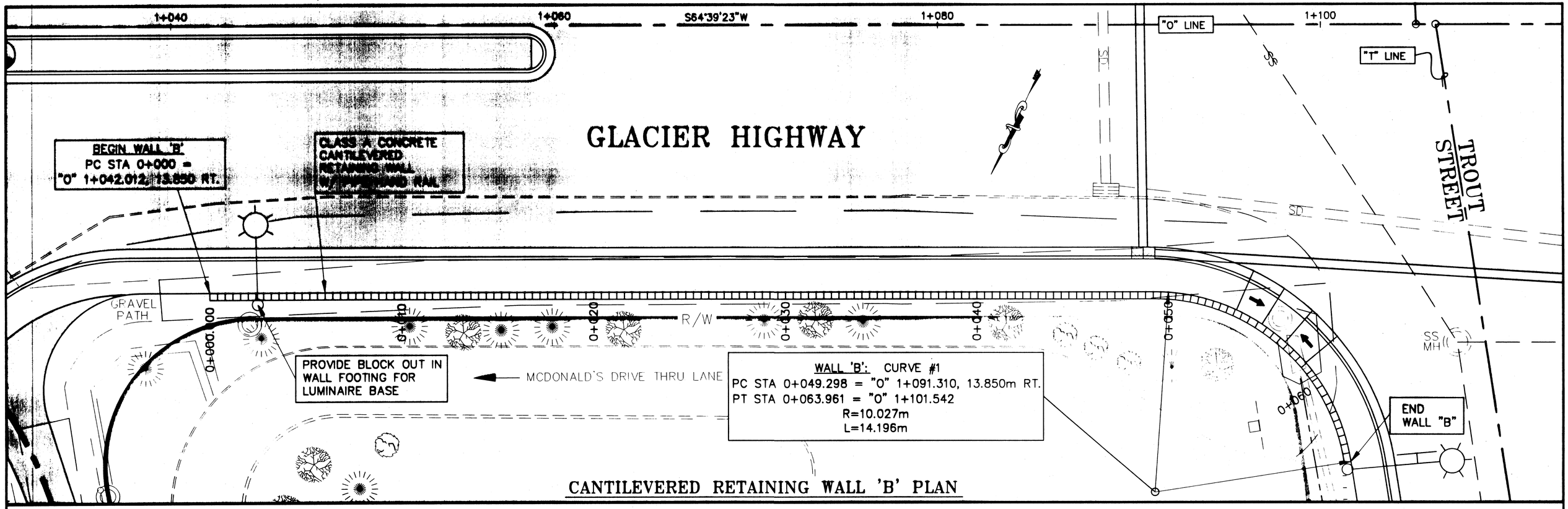
RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

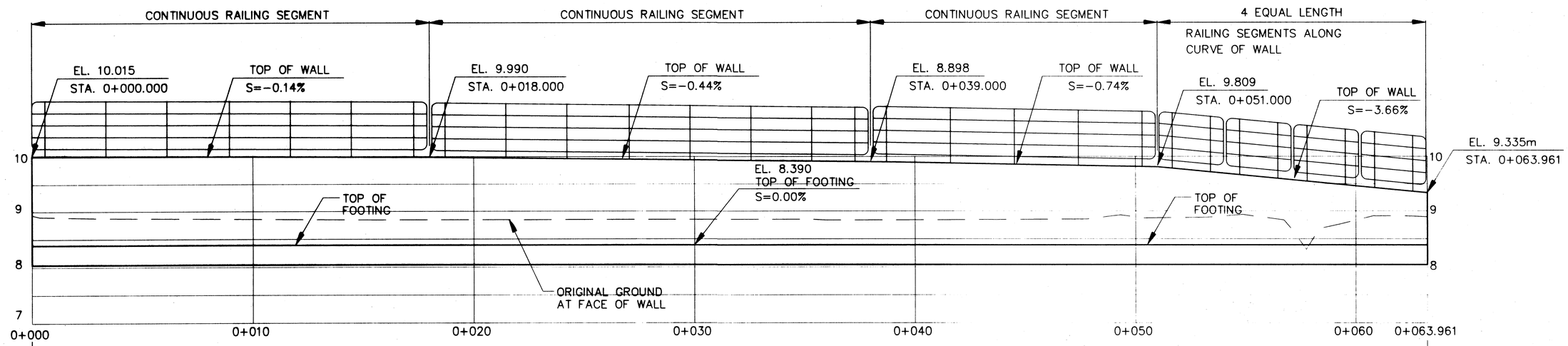
JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755
RETAINING WALL 'A' PLAN & PROFILE

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: J.O./R.S.	DATE: 2001
CHECKED BY: T. MOORE	SHEET E4

3-12-01 STATE OF ALASKA 19th Lars R. Gregovich CE-8965 REGISTERED PROFESSIONAL ENGINEER



CANTILEVERED RETAINING WALL 'B' PLAN



CANTILEVERED RETAINING WALL 'B' PROFILE

NOTE: CONSTRUCT WALL IN ACCORDANCE WITH STANDARD DRAWINGS B-04.02[M] AND B-05.02[M].

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Srw_wall.dwg Fri, 16/Mar/01 03:41PM		
PLOT: *MSPACE: 1=1(F)*		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

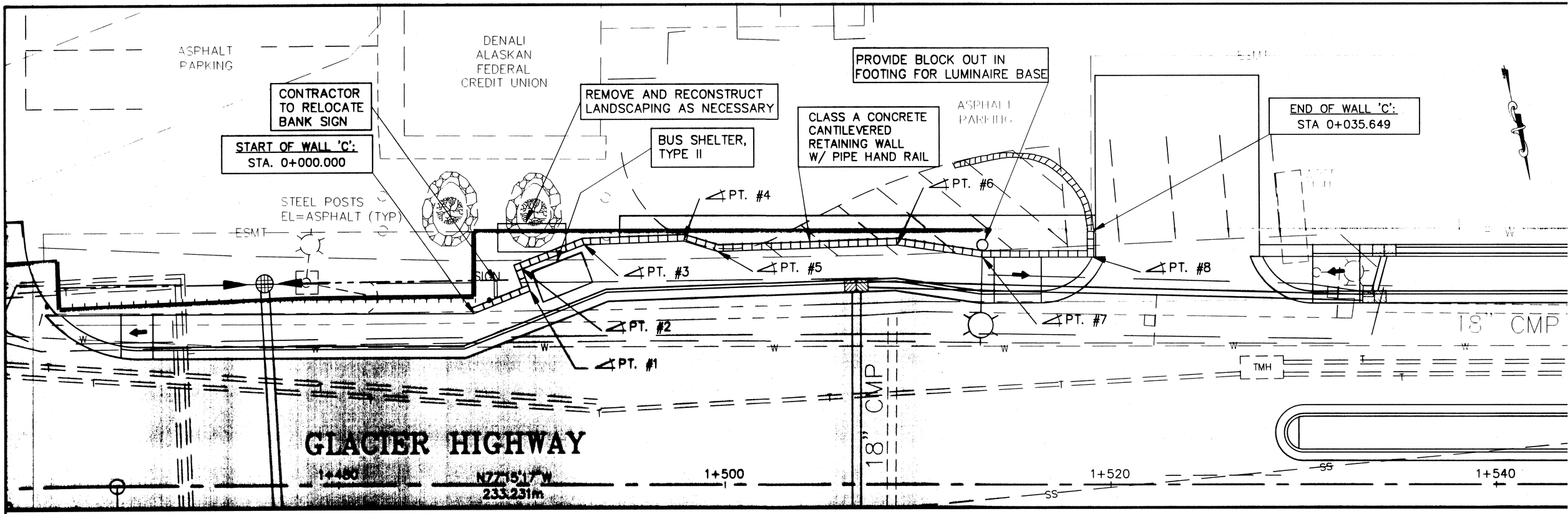
JUNEAU — *ALASKA*

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

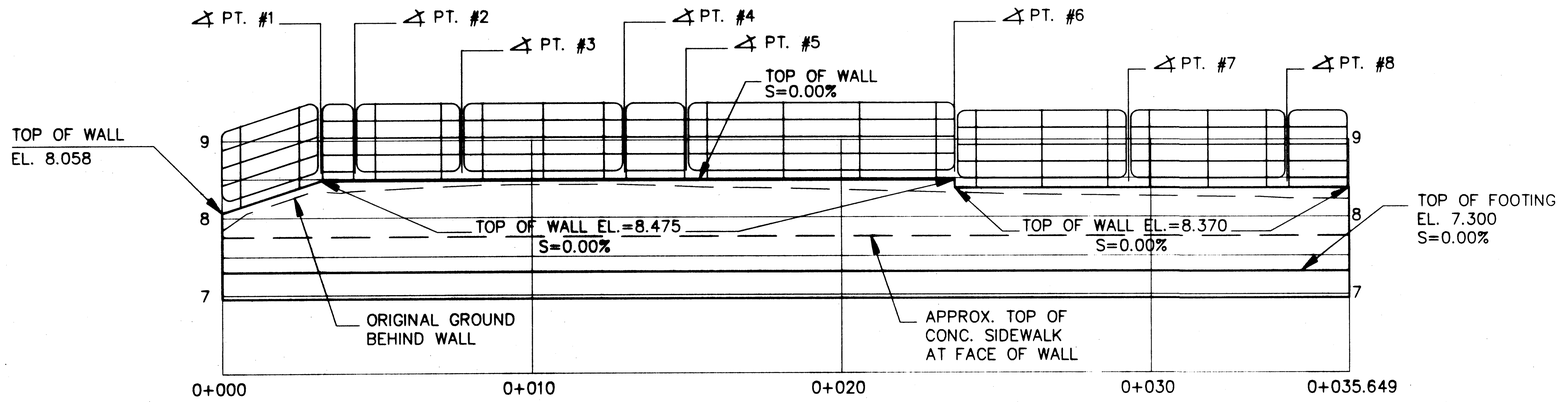
RETAINING WALL 'B' PLAN & PROFILE

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *J.O./R.S.*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *E5*

3/12/01
STATE OF ALASKA
49th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



CANTILEVERED RETAINING WALL 'C' PLAN



BEGIN WALL 'C'
STA. 0+000 =
STA. "O" 1+486.996
8.850m LT

END WALL 'C'
STA. 0+035.649 =
STA. "O" 1+519.121
13.000m LT

WALL LAYOUT POINT TABLE		
POINT	"O" LINE STATION	"O" LINE OFFSET
BEGIN WALL "C"	1+486.996	8.850m LT.
PT. #1	1+489.918	9.982m LT.
PT. #2	1+489.499	11.067m LT.
PT. #3	1+492.712	12.312m LT.
PT. #4	1+497.866	12.491m LT.
PT. #5	1+499.612	11.952m LT.
PT. #6	1+508.948	12.278m LT.
PT. #7	1+513.356	11.638m LT.
PT. #8	1+519.122	11.642m LT.
END WALL "C"	1+519.122	13.000m LT.

CANTILEVERED RETAINING WALL 'C' PROFILE

NOTE: CONSTRUCT WALL IN ACCORDANCE WITH STANDARD DRAWINGS B-04.02[M] AND B-05.02[M].

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Srw_wall.dwg Fri, 16/Mar/01 03:41PM		
PLOT: MSPACE: 1=1(F)		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

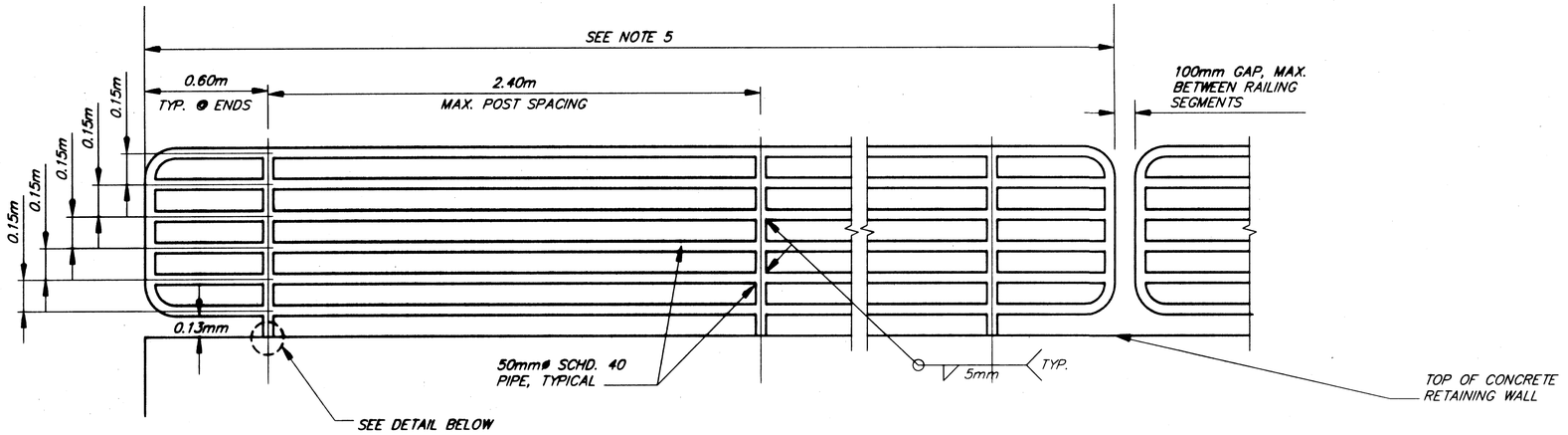
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

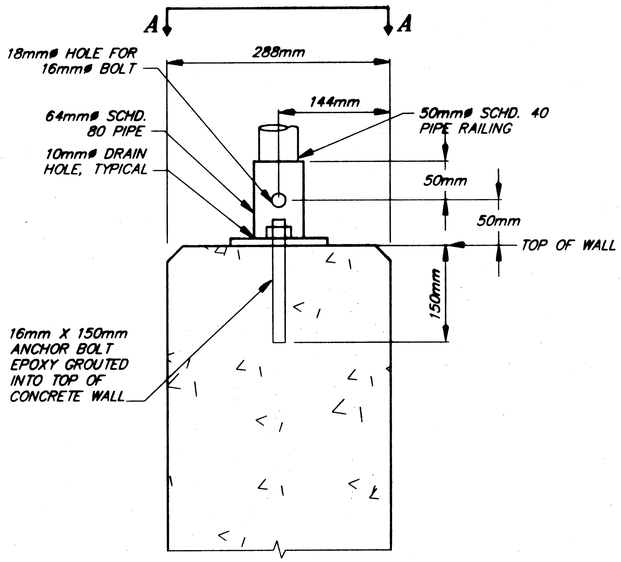
RETAINING WALL 'C'
PLAN & PROFILE

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: J.O./R.S.	DATE: 2001
CHECKED BY: T. MOORE	SHEET E6

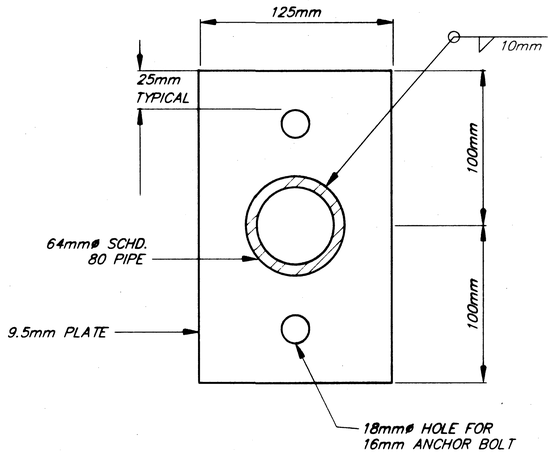
3-12-01 STATE OF ALASKA 49th Thomas R. Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER



DETAIL 1



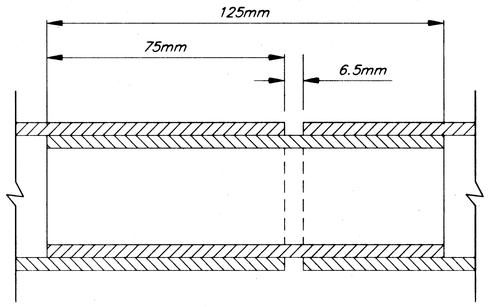
DETAIL 2



SECTION A-A

NOTES:

1. SEE CANTILEVERED CONCRETE RETAINING WALL PLANS FOR RAILING LAYOUTS.
2. CONTINUOUS RAILING PANELS MAY BE SPLICED USING SLIP JOINT, DETAIL 3.
3. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL PEDESTRIAN RAILING, PRIOR TO FABRICATION, FOR THE ENGINEER'S REVIEW AND APPROVAL.
4. ALL RAILING POSTS SHALL BE PLUMB.
5. OVERALL LENGTH OF RAILING SEGMENT MAY BE LIMITED DUE TO CONFIGURATION OF WALL. SEE CONCRETE WALL PLANS.
6. SOME RAILING SEGMENTS MAY NOT HAVE 0.60m CANTILEVERED END. SEE CONCRETE WALL PLANS.



SLIP JOINT DETAIL 3

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\MiscDetails.dwg Fri, 16/Mar/01 03:43PM		
PLOT: PSPACE 1=1 OR MSPACE 1=250(F)		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

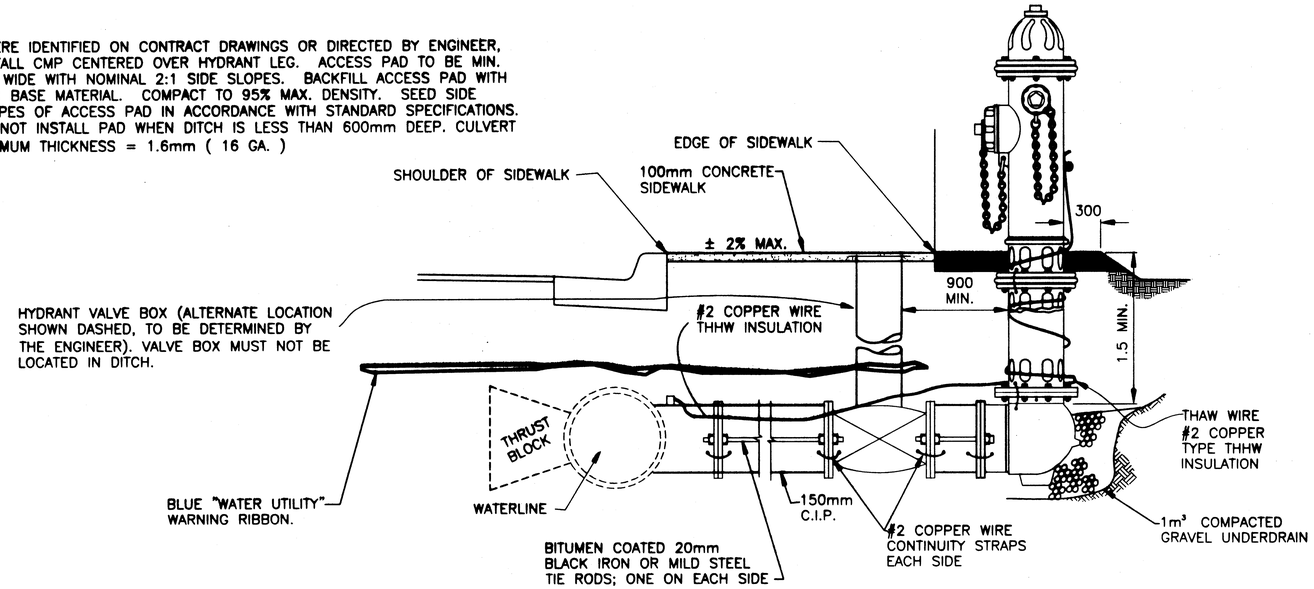
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

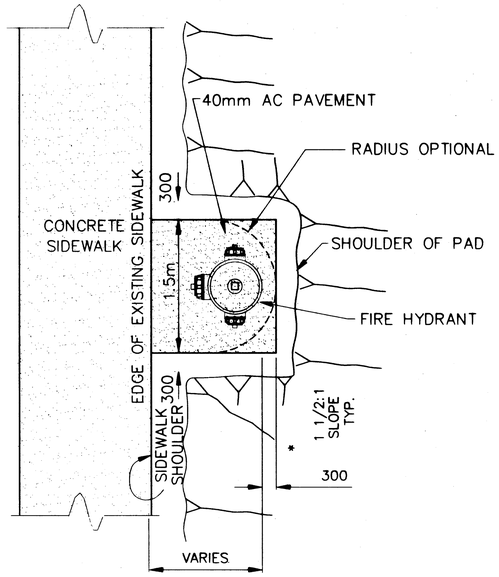
PIPE HAND RAIL

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M. LIMBAUGH	DATE: 2001
CHECKED BY: T. MOORE	SHEET E7

3-12-01 STATE OF ALASKA 19th Lars R. Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER

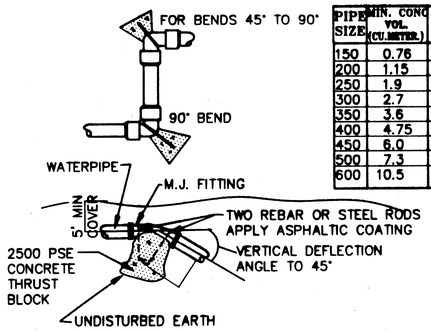
WHERE IDENTIFIED ON CONTRACT DRAWINGS OR DIRECTED BY ENGINEER, INSTALL CMP CENTERED OVER HYDRANT LEG. ACCESS PAD TO BE MIN. 2m WIDE WITH NOMINAL 2:1 SIDE SLOPES. BACKFILL ACCESS PAD WITH D-1 BASE MATERIAL. COMPACT TO 95% MAX. DENSITY. SEED SIDE SLOPES OF ACCESS PAD IN ACCORDANCE WITH STANDARD SPECIFICATIONS. DO NOT INSTALL PAD WHEN DITCH IS LESS THAN 600mm DEEP. CULVERT MINIMUM THICKNESS = 1.6mm (16 GA.)





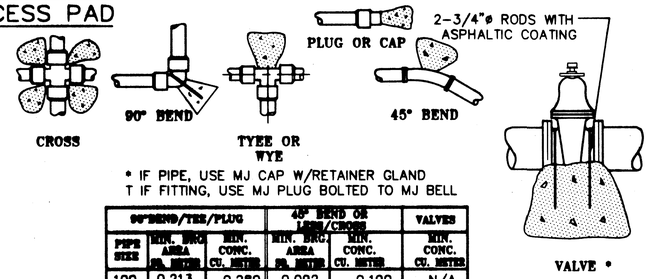
PLAN VIEW

HYDRANT & ACCESS PAD



VERTICAL THRUST BLOCKS

PIPE SIZE	MIN. CONC VOL. (CU. METER.)	MIN. ROD SIZE	MIN. BRG. SURFACE SQ. METER
150	0.76	20mm	0.280
200	1.15	20mm	0.325
250	1.9	20mm	0.500
300	2.7	20mm	0.740
350	3.6	25mm	0.900
400	4.75	28mm	1.160
450	6.0	31mm	1.400
500	7.3	35mm	1.760
600	10.5	38mm	2.600

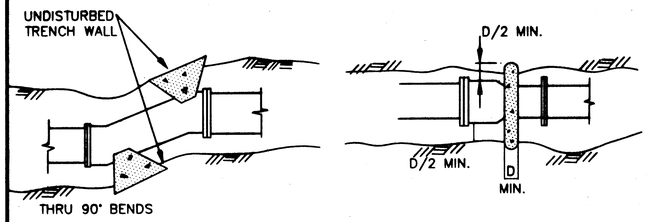


* IF PIPE, USE MJ CAP W/RETAINER GLAND
T IF FITTING, USE MJ PLUG BOLTED TO MJ BELL

90°BEND/TEE/PLUG		45° BEND OR LESS/CROSS		VALVES
PIPE SIZE	MIN. BRG. AREA SQ. METER	MIN. CONC. CU. METER	MIN. BRG. AREA SQ. METER	MIN. CONC. CU. METER	MIN. CONC. CU. METER
100	0.213	0.280	0.092	0.190	N/A
150	0.280	0.280	0.149	0.190	0.190
200	0.500	0.380	0.280	0.230	0.380
250	0.770	0.570	0.420	0.280	0.380
300	1.114	0.760	0.600	0.570	0.380
350	1.500	0.760	0.840	0.570	0.570
400	1.150	0.950	1.114	0.760	0.570
450	2.500	1.150	1.400	0.760	0.760
500	3.150	1.330	1.700	1.150	0.760
600	4.450	1.500	2.440	1.150	0.760

* THRUST BLOCKS ON VALVES REQUIRED ONLY ON MAIN LINES.

HORIZONTAL THRUST BLOCKS



PLACEMENT OF THRUST BLOCKS

NOTES

1. THRUST BLOCKS ARE REQUIRED WHENEVER PIPELINE CHANGES DIRECTION, CHANGES SIZE, DEAD ENDS, OR DEVELOPS THRUST AT VALVES.
2. VOLUME AND BEARING SURFACE OF 2500 PSI CONCR. THRUST BLOCKS, BASED ON 150 PSI PRESSURE AND SOIL BEARING CAPACITY OF 2000 PSF. ALL OTHER PRESSURE AND/OR SOIL CONDITIONS ARE SUBJECT TO ENGINEER'S REVIEW AND APPROVAL.
3. CONCRETE THRUST BLOCKING SHALL BE POURED IN PLACE BETWEEN THE FITTING AND UNDISTURBED EARTH. MATERIAL BEHIND THE THRUST BLOCKS, DEEMED INADEQUATE BY THE ENGINEER, SHALL BE REMOVED AND REPLACED BY A BALLAST MATERIAL. THE EXTENT AND QUANTITY OF REPLACEMENT MATERIAL TO BE DETERMINED BY THE ENGINEER.
4. THRUST BLOCKS SHALL BE POURED SO JOINTS OF FITTINGS REMAIN CLEAR.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\MiscDetails.dwg Fri, 16/Mar/01 03:43PM		
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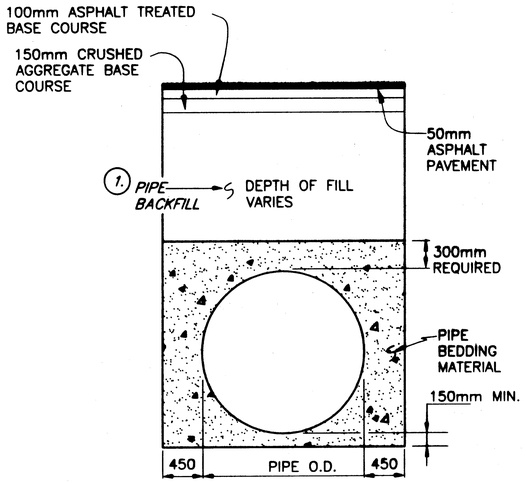
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755
FIRE HYDRANT RELOCATION DETAILS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M. LIMBAUGH	DATE: 2001
CHECKED BY: T. MOORE	SHEET E8

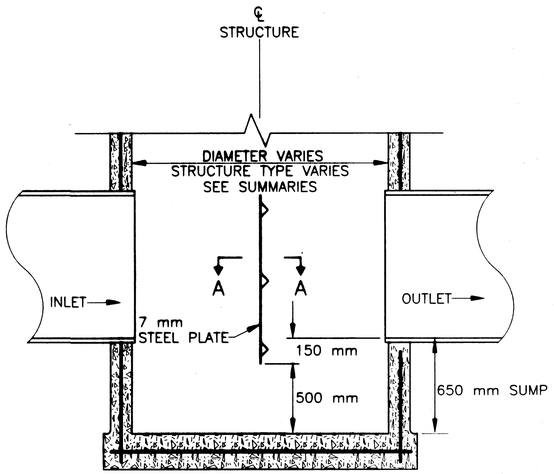
3-12-01
STATE OF ALASKA
19th
Lars R. Gregovich
CE 8065
REGISTERED PROFESSIONAL ENGINEER



1. PIPE BACKFILL SHALL BE USEABLE UNCLASSIFIED EXCAVATION MEETING THE REQUIREMENTS OF SELECTED MATERIAL, TYPE C.
2. THE CONTRACTOR SHALL MAINTAIN ADEQUATE COVER OVER ALL PIPE CROSSINGS AT ALL TIMES TO PREVENT DAMAGE TO THE PIPES.

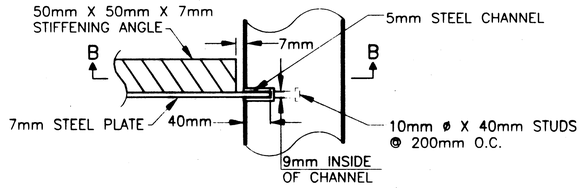
STANDARD CULVERT DETAIL

SCALE: NTS



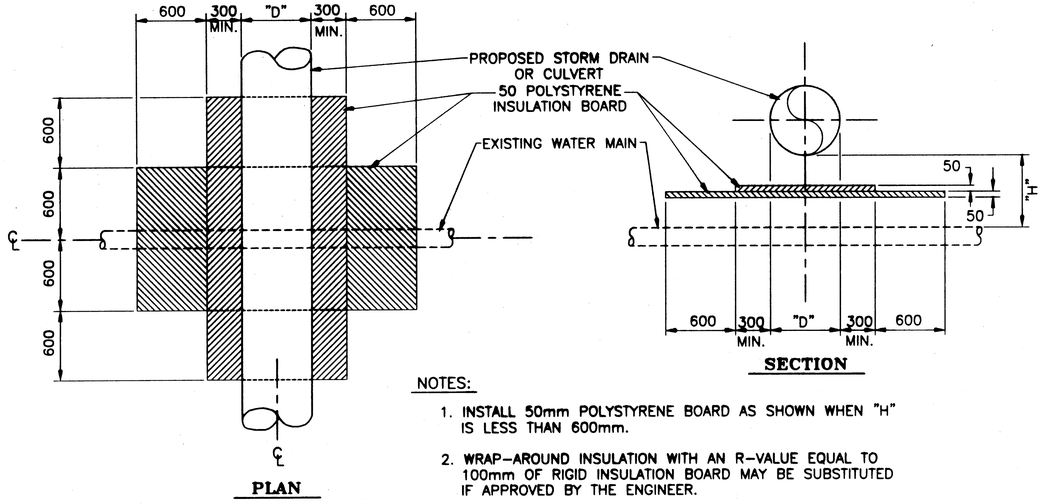
OIL/WATER SEPARATOR TYPICAL

SCALE: NTS



DETAIL A–A

SCALE: NTS

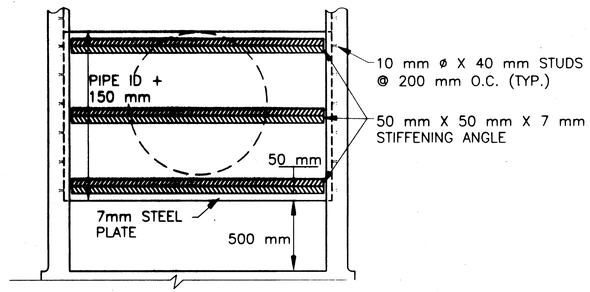


NOTES:

1. INSTALL 50mm POLYSTYRENE BOARD AS SHOWN WHEN "H" IS LESS THAN 600mm.
2. WRAP–AROUND INSULATION WITH AN R–VALUE EQUAL TO 100mm OF RIGID INSULATION BOARD MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.
3. ALL WATER LINES SHOWN ON THESE PLANS AND INSULATION BOARD INSTALLATION LOCATIONS GIVEN ARE APPROX. ONLY.

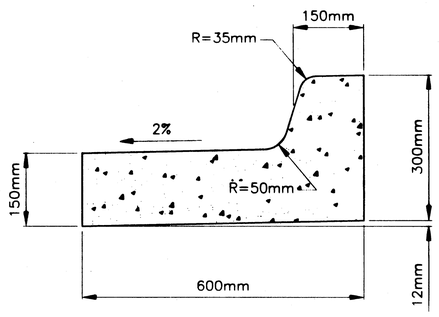
WATER LINE INSULATION AT CULVERT DETAIL

SCALE: NTS



DETAIL B–B

SCALE: NTS



CURB & GUTTER, TYPE I – SPECIAL

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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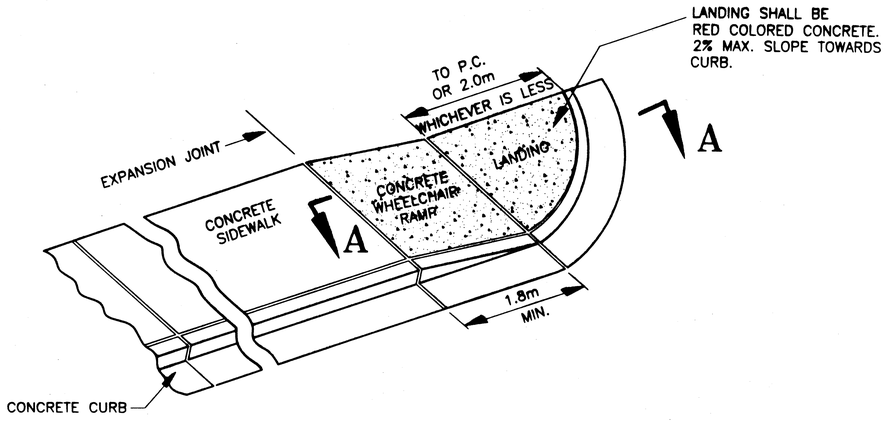
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755
MISCELLANEOUS DRAINAGE DETAILS

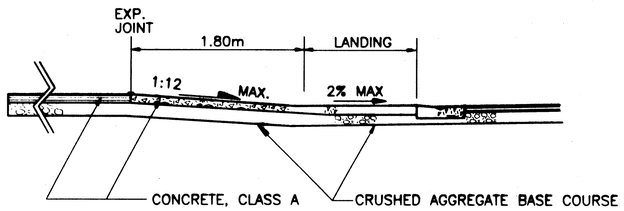
DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M. LIMBAUGH	DATE: 2001
CHECKED BY: T. MOORE	SHEET E9

3-12-01 STATE OF ALASKA 49th Lee R. Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER



PARRALLEL CURB RAMP DETAIL

SCALE: NTS

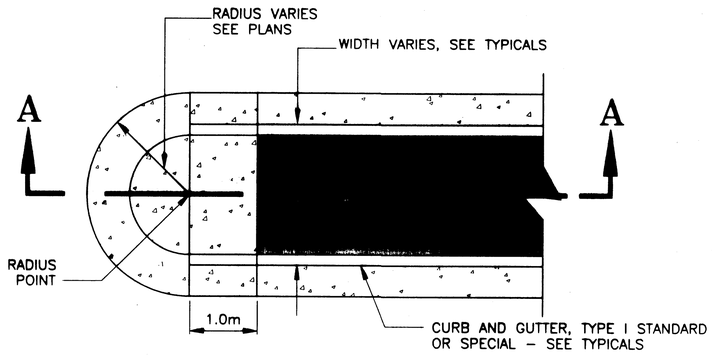


SECTION A–A

SCALE: NTS

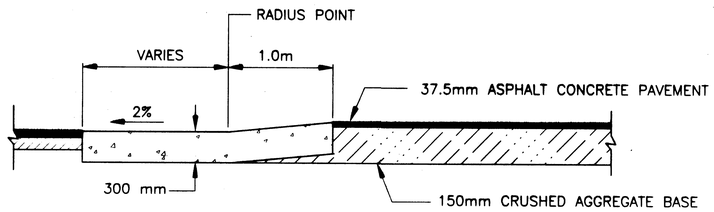
CURB RAMP NOTES

1. ALL CURBED STREETS WITH SIDEWALK/PATHWAYS SHALL HAVE CURB RAMPS.
2. RAMPS SHALL BE LOCATED WITHIN THE MARKED CROSSWALK.
3. RAMPS SHALL HAVE THE OUTSIDE EDGES AND JOINTS TRIMMED WITH A 6mm RADIUS EDGING TOOL.
4. REFERENCE STANDARD DRAWINGS I–20.13[M], I–21.00 [M], AND I–22.00 [M], FOR ALL OTHER CURB RAMP DESIGNS.



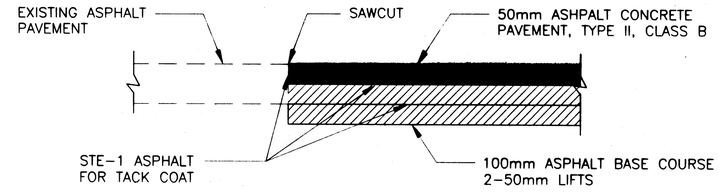
RAMPED MEDIAN END PLAN VIEW

SCALE: NTS



RAMPED MEDIAN END SECTION A–A

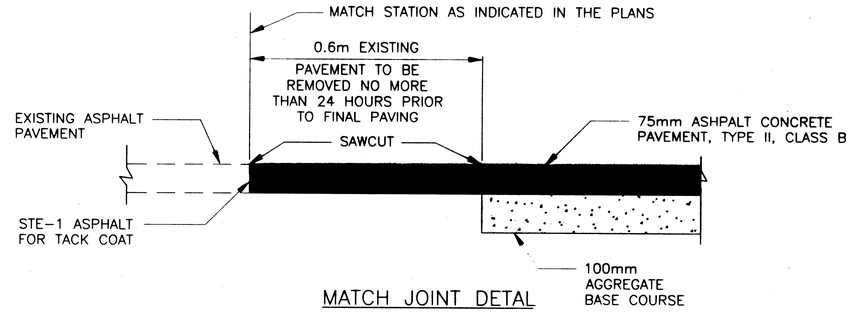
SCALE: NTS



MATCH JOINT DETAIL

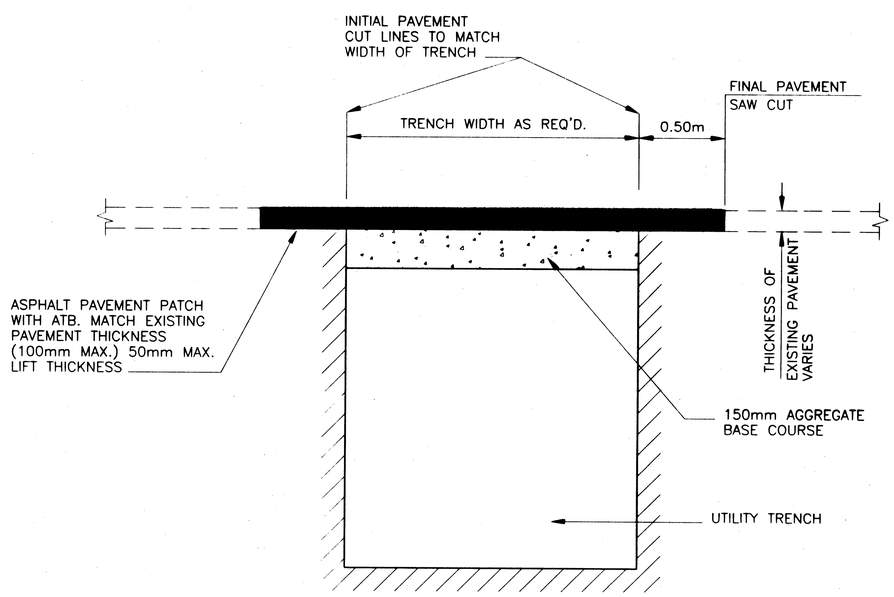
B.O.P. AND E.O.P

SCALE: NTS



MATCH JOINT DETAL

OLD DAIRY ROAD, TROUT STREET,
JOPDAN AVE. N.&S., SHELL SIMMONS DR.,
LEE SMITH DR., BERNERS AVE.,
OLD GLACIER HWY., DEL RAE ROAD
SCALE: NTS



ASPHALT PAVEMENT PATCHING DETAL

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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PLOT: PSPACE 1=1 OR MSPACE 1=250(F)		
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755

MISCELLANEOUS DETAILS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M. LIMBAUGH	DATE: 2001
CHECKED BY: T. MOORE	SHEET E10

3-12-01
STATE OF ALASKA
19th
Lee R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER

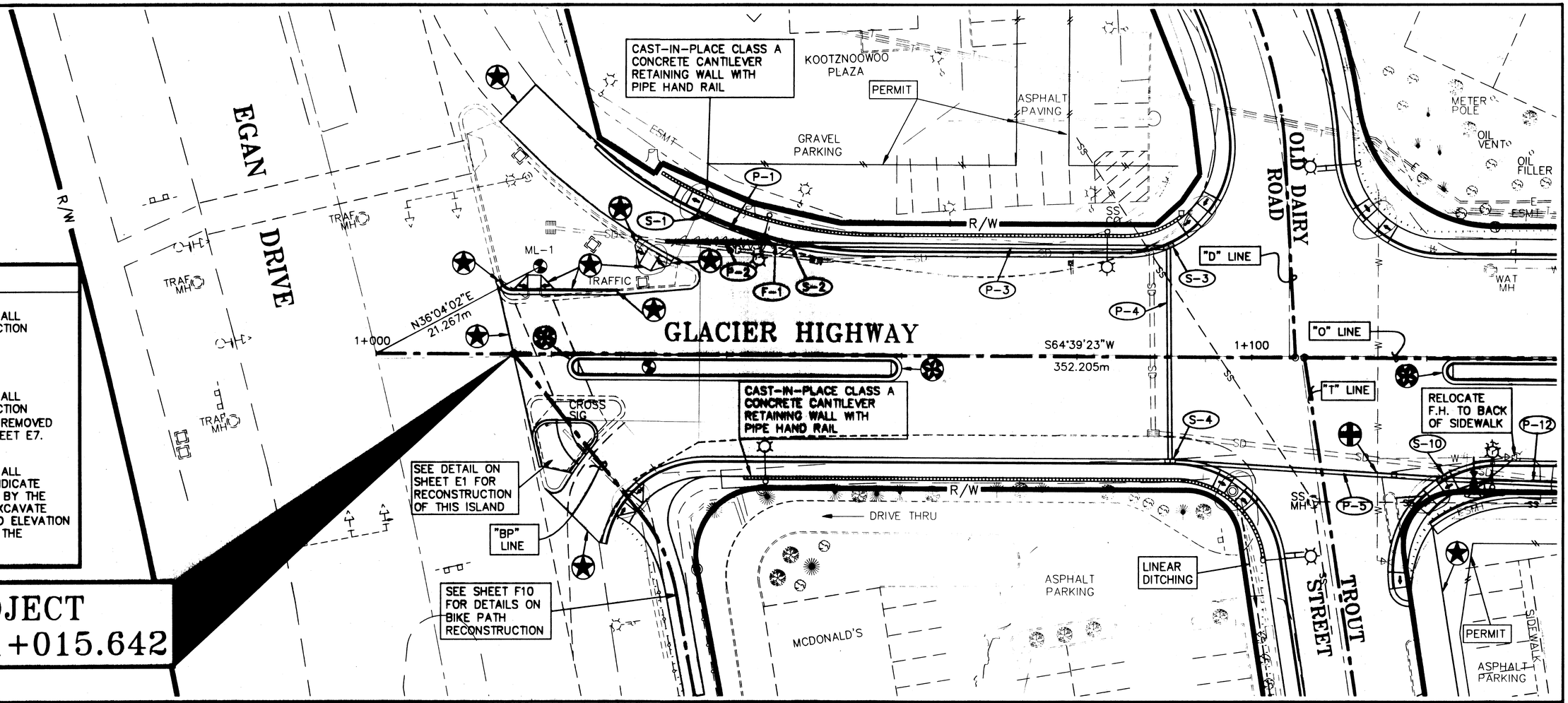
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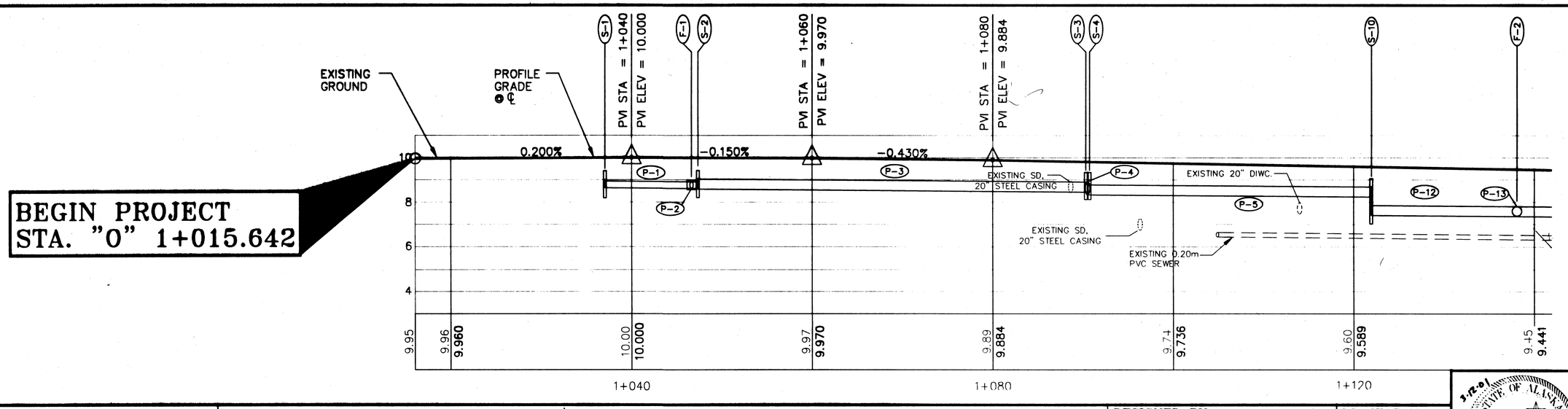
THIS SYMBOL IS USED ON ALL PLAN AND PROFILE AND INTERSECTION DRAWINGS (F1–F17) TO INDICATE SAWCUT AND MATCH EXISTING PAVEMENT AND/OR CURB.

THIS SYMBOL IS USED ON ALL PLAN AND PROFILE AND INTERSECTION DRAWINGS (F1–F17) TO INDICATE REMOVED MEDIAN ENDS, SEE DETAIL ON SHEET E7.

THIS SYMBOL IS USED ON ALL PLAN AND PROFILE SHEETS TO INDICATE A UNDERGROUND UTILITY LOCATE BY THE CONTRACTOR. CONTRACTOR TO EXCAVATE AND VERIFY EXACT LOCATION AND ELEVATION OF UTILITY PER SECTION 203 OF THE SPECIAL PROVISIONS.

BEGIN PROJECT
STA. "0" 1+015.642





BEGIN PROJECT
STA. "0" 1+015.642

PATH: Q:\Jnu\69755\Planset\Mcnugget.dwg Fri, 16/Mar/01 03:46PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P1, PR1, T1		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

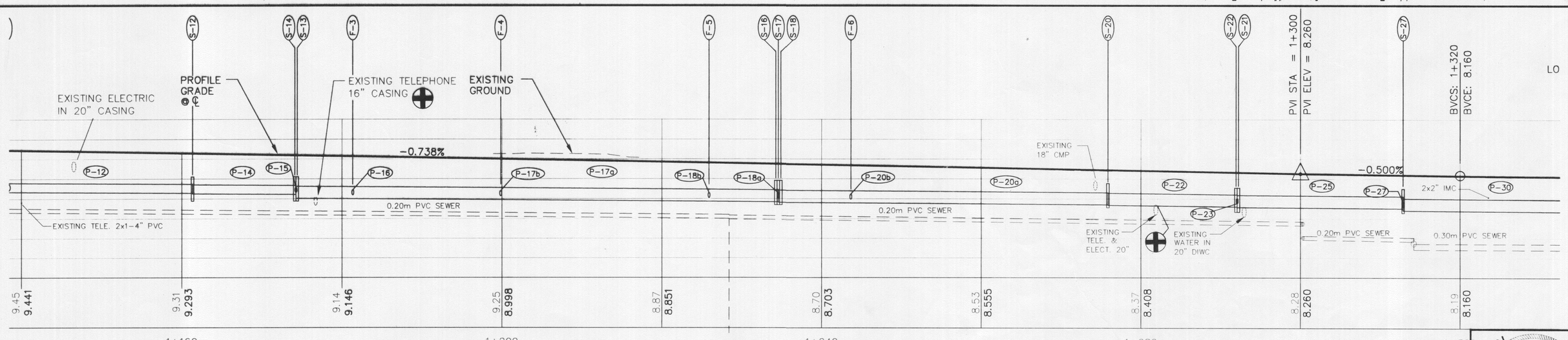
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

B.O.P. "0" STA. 1+000 TO "0" STA. 1+140
PLAN & PROFILE SHEET

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET F1

3-12-01
STATE OF ALASKA
19th
Lino R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER

WEE FISHIE PET SHOP
ADVENTURE SPORTS
SIDEWALK
ASPHALT PARKING
SUBWAY SANDWICHES
ASPHALT PARKING
PERMIT
NUGGET MALL ENTRANCE
SIDEWALK
ALASKA FEDERAL SAVINGS
SEE ISLAND DETAIL ON SHEET E1
JORDAN AVENUE
LIGHTING BOX
OIL FILLER
SIGN POST
DUMPSTER
SIGN
ELEC PED
ELEC VAULT
18" CMP
S-14
S-18
P-19
S-17
R/W
RELOCATE F.H.
ASPHALT PAVING
S-22
P-24
P-23
CURB & SIDEWALK ENDS
LINE IS 5ft (1.52m) BELOW SURFACE
Cable TV util. to place in S.D. or Power trench
SS MH
"O" LINE
S64° 39'23"W
352.205m
1+200
P-18a
1+300
"J1" LINE
"J2" LINE
P-15
CONNECT DRAINS TO STORM DRAINS
GLACIER HIGHWAY
SEE ISLAND DETAIL ON SHEET E1
S-20
P-21a
P-22
S-21
P-25
S-27
P-12
F-2
S-12
P-14
S-13
F-3
P-17a
P-17b
F-4
P-18b
F-5
S-16
F-6
P-20b
P-20a
S-19a
ELEC VAULT
ESMT
SS MH
R/W
SIGN
PERMIT
S-11
P-13
ESMT
CURBSTOP
PROPANE TANKS
P-16
S-15
S-19b
P-21b
P-27
JORDAN AVE.
S-24
BREEZE-IN
CURB & GUTTER, TYPE I
mountable curb
4" PVC
2-4" PVC'S
PERMIT
4" PVC
CURB & GUTTER, TYPE I
mountable curb
DRIVE THRU # LANES
SIDEWALK
ASPHALT PARKING
JORDAN CREEK MALL
ASPHALT PARKING
S-23
P-26



PATH: Q:\Jnu\69755\Planset\Mcnugget.dwg Fri, 16/Mar/01 03:46PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P2, PR2, T2		
BY:	DATE:	DESCRIPTION OF CHANGE:

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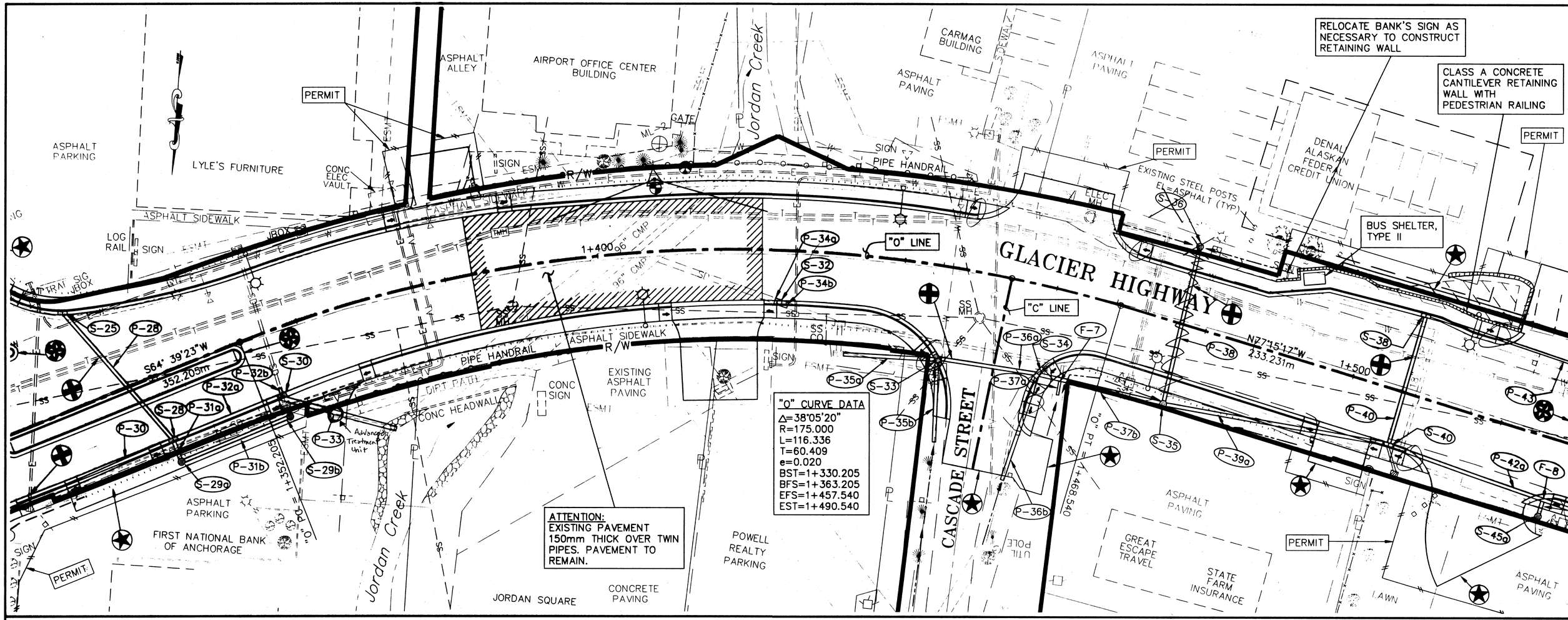
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

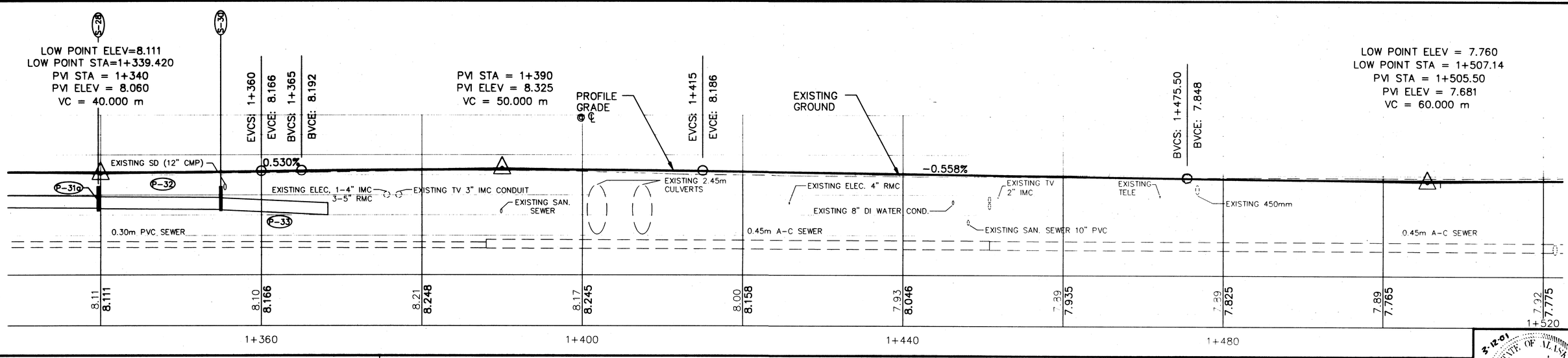
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755
"O" STA. 1+140 TO "O" STA. 1+330
PLAN & PROFILE SHEET

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET F2

3-12-01
STATE OF ALASKA
19th
Lars R. Jamison
CE-8065
REGISTERED PROFESSIONAL ENGINEER





PATH: Q:\Jnu\69755\Planset\Mcnugget.dwg Fri, 16/Mar/01 03:46PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P3, PR3, T3

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755
"0" STA. 1+330 TO "0" STA. 1+520
PLAN & PROFILE SHEET

ALASKA

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET F3

3-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER

ASPHALT PAVING

"PARTS PLUS" VALLEY AUTO PARTS

PERMIT

WOOD SIGN

APPROX. 9m POLE

18" CMP

SHELL SIMMONS DRIVE

SEE ISLAND DETAIL ON SHEET E1

FLIGHT SERVICE STATION

SIGN

PIPE

INSTALL F.H. PAD

R/W

ESMT

"S" LINE

1+600

N77°51'17"W 233.231m

"L" LINE

GLACIER HIGHWAY

"O" LINE

1+700

RELOCATE SIGN

BUS SHELTER, TYPE II

ROCKS

PHONE BOOTH

WAT MH

CURB & GUTTER, TYPE I

PUMP ISLAND

SLOTTED DRAIN

ROOF DRAIN

GRAVEL PARKING

MI CASA RESTAURANT

"O" PC = 1+701.772

CONTRACTOR TO RELOCATE EXISTING LIGHT POLE AS NECESSARY

COVERED AREA

CONTRACTOR TO RELOCATE EXISTING SIGN

NATIONAL BANK OF ALASKA

LEE SMITH DRIVE

AIRPORT UNION

TRAVELODGE

P-41a P-41b P-42a P-42b P-43 P-44 P-45 P-47 P-48a P-48b P-49 P-50 P-51a P-51b P-53 P-54 P-55a P-55b P-56a P-56b

S-43 S-44 S-45a S-45b S-46a S-46b S-47 S-48 S-49 S-50 S-51 S-52 S-53 S-54

F-8 F-9 F-10

EVCS: 1+535.50
EVCE: 7.831

EXISTING GROUND

PROFILE GRADE

0.500%

BVCS: 1+630
BVCE: 8.303

PVI STA = 1+660
PVI ELEV = 8.453
VC = 60 m

EVCS: 1+690
EVCE: 8.279

EXISTING ELEC. (15) DIA. VARIES

EXISTING TELE. 2x1-4" PVC

EXISTING 10" DIWC

EXISTING 18" CMP

EXISTING ELEC.

EXISTING 18" CMP

EXISTING TELE. (2) CONDUIT (PARALLEL TO C)

EXISTING TELE. COND.

EXISTING 12" SAN. SEWER

EXISTING 10" PVC SAN SEWER

EXISTING 8" DIWC

0.45m A-C SEWER

0.45m A-C SEWER

7.92	7.97	8.03
7.775	7.853	7.953
1+520		

8.07	8.15	8.24
8.053	8.153	8.253

8.30	8.25	8.17
8.344	8.372	8.328

8.09
8.221

1+560 1+600 1+640 1+680

PATH: Q:\Jnu\69755\Planset\Mcnugget.dwg Fri, 16/Mar/01 03:47PM

PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P4, PR4, T4

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

"O" STA. 1+520 TO "O" STA. 1+710

PLAN & PROFILE SHEET

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET F4

3-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER

"O" CURVE DATA
Δ=45°36'49"
R=135.000
L=107.474
T=56.768
e=0.030
BST=1+675.105
BFS=1+715.105
EFS=1+795.913
EST=1+835.913

"B" LINE

SEE SHEET 12 FOR P-61 CULVERT INSTALLATION AND STREAM REGRADING DETAILS

SEE SHEET 13 FOR P-65 CULVERT INSTALLATION AND STREAM REGRADING DETAILS

NOTE:
WORK TIMING RESTRICTIONS APPLY TO PROFESSIONAL PLAZA PROPERTY. SEE SPECIAL PROVISIONS.

BERNERS AVENUE

GLACIER HIGHWAY

DUCK CREEK

WETLANDS LINE, TYPICAL

EXISTING STREAM GAUGE

ELEC. VAULT

OLD SIGN

TOTEM BUILDING

PROFESSIONAL PLAZA

WOODEN SIGN

BUS SHELTER TYPE I

BUS PULLOUT

"0" LINE

"P" LINE

"0" PT = 1+809.246

1+800

1+900

N31°38'28"W
216.123m

ENTRANCE

EXIT

PERMIT

ASPHALT

ASPHALT PARKING

ELEC OUTLET

COUNTRY LANE/ BEST WESTERN

LANDSCAPE

ASPHALT PAVING

SIGN

TMH

MH

SS MH

P-10, P-56a, P-56b, P-57, P-58, P-59, P-60a, P-60b, P-61, P-62, P-63a, P-63b, P-64a, P-64b, P-65b, P-72a, P-72b

S-54a, S-55, S-56, S-57a, S-57b, S-58, S-59, S-60

LOW POINT ELEV = 7.420
LOW POINT STA = 1+851.83
PVI STA = 1+850
PVI ELEV = 7.353
VC = 50 m

BVCS: 1+825
BVCE: 7.498

EVCS: 1+875
EVCE: 7.478

EXISTING GROUND

PROFILE GRADE @ ℄

-0.579%

EXISTING 90cm CMP

EXISTING ELEC. (3-4" IMC & 3-5" IMC)

EXISTING ELEC. (1-4" IMC)

EXISTING ELEC. (1-2" IMC)

EXISTING TELE. (1x2-4" PVC)

EXISTING ELEC. (2-4" IMC)

EXISTING 6" DIWC

EXISTING CMP(450mm)

EXISTING 10" PVC SEWER

EXISTING SAN. SEWER

8"

0.45m A-C SEWER

8.04	8.106	8.01	7.990	7.95	7.874	7.84	7.758	7.72	7.642	7.64	7.527	7.59	7.435	7.57	7.427	7.55	7.503	7.55	7.603

1+720 1+760 1+800 1+840 1+880

PATH: Q:\Jnu\69755\Planset\Mcnugget.dwg Fri, 16/Mar/01 03:47PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P5, PR5, T5

RECORD OF REVISIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

"0" STA. 1+710 TO "0" STA. 1+900

PLAN & PROFILE SHEET

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET F5

3-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER

"O" CURVE DATA	
Δ=56°30'30"	BST=1+998.702
R=135.000	BFS=2+038.702
L=133.144	EFS=2+145.180
T=72.551	EST=2+185.180
e=0.030	

PROFESSIONAL PLAZA

EXISTING 1.5m H X 2.1m W MULTIPLATE

DUCK CREEK

ESMT

EXISTING SILT FENCE

SIGN

VALLEY PAINT CENTER

DUCK CREEK

EXISTING SILT FENCE

WETLANDS LINE, TYPICAL

FEDERAL AVIATION ADMINISTRATION

BUS PULLOUT

S-60

N31°38'28"W
216.123m

SS MH

GLACIER HIGHWAY

P-67b P-70a S-64b S-63 P-67a P-66b 2+000 S-62 P-66a P-69b S-64a S-61 P-69a

EXISTING LEFT IN PLACE

R/W

"O" LINE

ASPHALT PARKING

SEE SECTION A ON SHEET E2

PERMIT

ASPHALT PARKING

BUS SHELTER TYPE II

SEE SECTION A ON SHEET E2

AIRPORT MINI MALL

VALLEY RESTAURANT

ASPHALT PARKING

ROSWICK GILES MUSIC/ COPY SHOP PHOTOMASTER

SEE SECTION B ON SHEET E2

"O" PC = 2+025.369

PAVED PARKING

FOR LEASE

RELOCATE FIRE HYDRANT AND CONSTRUCT PAD

SEE SECTION C ON SHEET E2

VITO & NICK'S

REMOVE & RELOCATE EXISTING SIGN

LANDSCAPING

P-40 P-70b S-65 2+100

PVI STA = 1+955
PVI ELEV = 7.878
VC = 40 m

LOW POINT ELEV = 7.703
LOW POINT STA = 2+000
PVI STA = 2+000
PVI ELEV = 7.653
VC = 40 m

BVCS: 1+935 BVCE: 7.778
EVCS: 1+975 EVCE: 7.778
BVCS: 1+980 BVCE: 7.753
EVCS: 2+020 EVCE: 7.753

EXISTING GROUND

PROFILE GRADE @ ℄

0.500% 0.500%

EXISTING ELEC. (1-4" & 2-5" RMC)
EXIST. TELE. (1x2-4" PVC)
EXIST. 6" DIWC
EXISTING ELEC.
EXISTING 6" DIWC
EXISTING SAN. SEWER 10" PVC
EXISTING 10" PVC SEWER
EXISTING ELEC. (2-4" IMC)
EXISTING 18" CMP
EXISTING 6" DIWC
EXISTING 6" DIWC
EXISTING ELEC. (2-4" RMC)
EXISTING ELEC.

7.55	7.603	7.55	7.703	7.56	7.800	7.59	7.825	7.64	7.753	7.73	7.703	7.80	7.753	7.86	7.853	7.94	7.953	8.01	8.053

1+920 1+960 2+000 2+040 2+080

PATH: O:\Jnu\69755\Planset\Mcnugget.dwg Fri, 16/Mar/01 03:48PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P6, PR6, T6

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
"O" STA. 1+900 TO "O" STA. 2+090
PLAN & PROFILE SHEET

ALASKA

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET F6

3-12-01 STATE OF ALASKA 19th REGISTERED PROFESSIONAL ENGINEER

SEE SHEET 14 FOR ENVIRONMENTAL WORK IN THIS AREA

OLD GLACIER HWY NORTH

WETLANDS LINE, TYPICAL

DUCK CREEK

50 mm VERT. PIPE

DEL RAE ROAD

54" MULTIPLATE

54" MULTIPLATE

P-46

"0" LINE

"GN" LINE

P-71

S-66

2+100

P-70

S-65

LANDSCAPING

SEE SECTION C ON SHEET E2

S-68

P-75

P-74

S-69

P-76

S-70

S-71

P-77

1.2m H WOOD POST

SIGN

MENDENHALL LOOP ROAD

2+200 N24°52'02"E 97.737m

"R" LINE

RELOCATE FIRE HYDRANT. ADJUST F.H. AND INSTALL F.H. PAD

1.2m H WOOD POST

LANDSCAPING

SIGN

P-73

DIRT TRAIL

R/W

GUARD POSTS

ELEC METER

LOAD CENTER

SIGN

BOULDERS

"0" PT = 2+158.513

"0" PC = 2+256.250

ASPHALT PARKING

PERMIT

CONTRACTOR SHALL REMOVE TWO SIGNS FROM R/W

DOMINO'S PIZZA

NEW CONSTRUCTION

CONTRACTOR SHALL REMOVE SIGN FROM R/W

ASPHALT PARKING

PROFILE GRADE ℄

EXISTING GROUND

BVCS: 2+220
BVCE: 8.753

PVI STA = 2+270
PVI ELEV = 9.003
VC = 100 m

0.500%

EXISTING TELE. (2x2-4" PVC)

EXISTING 10" DIWC

EXISTING 18" CMP

EXISTING 24" CMP

EXISTING SS 18" PVC

EXISTING 24" CMP

EXISTING 600mm AC SEWER

EXISTING 8" DIWC

8.11	8.153	8.25	8.253	8.31	8.353	8.41	8.453	8.50	8.553	8.55	8.653	8.58	8.753	8.63	8.833	8.66	8.873	8.67	8.872				

2+120 2+160 2+200 2+240 2+280

PATH: Q:\Jnu\69755\Planset\Mcnugget.dwg Fri, 16/Mar/01 03:48PM

PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P7, PR7, T7

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755
"0" STA. 2+090 TO "0" STA. 2+280
PLAN & PROFILE SHEET

ALASKA

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET F7

3-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER

DUCK CREEK

"0" CURVE DATA
△=03°48'29"
R=1500.000
L=99.691
T=49.864
e=0.000

WETLANDS LINE, TYPICAL

ML

R/W

BUS SHELTER TYPE I

P-68b

P-68a

S-67b

S-67a

P-81

S-72

"0" LINE

2+300

MENDENHALL LOOP ROAD

2+400
N28°40'30"E
94.059m

P-85

S-74

P-84a

"0" 2+450.000
ANGLE POINT
△=0°30'59" RT
N29°11'29"E
124.539m

P-88

S-73

P-80

S-75a

P-84b

S-75b

SS

SS MH

P-78

P-79

P-82

P-83

P-86

VERT PIPE

BUS SHELTER TYPE I

"0" PT = 2+355.941

GRAVEL PARKING

PIPELINE SKATEBOARD PARK

SEWER UTILITIES

CONCRETE PAD

SIDEWALK

EVCS: 2+320
EVCE: 8.751

BVCS: 2+380
BVCE: 8.448

EXISTING GROUND

PROFILE GRADE ℄

-0.504%

EXISTING 12" CMP

EXISTING 30" CMP

LOW POINT ELEV = 8.322
LOW POINT STA = 2+430.22
PVI STA = 2+430
PVI ELEV = 8.196
VC = 100 m

10
8
6
4

8.67	8.872	8.67	8.832	8.62	8.751	8.56	8.650	8.52	8.549	8.46	8.448	8.41	8.367	8.36	8.327	8.37	8.326	8.39	8.366

2+280 2+320 2+360 2+400 2+440

PATH: Q:\Jnu\69755\Planset\Mcnugget.dwg Fri, 16/Mar/01 03:48PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P8, PR8, T8

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
"0" STA. 2+280 TO "0" STA. 2+470
PLAN & PROFILE SHEET

ALASKA

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET F8

3/12/01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER

CHANNEL RELOCATION AND VEGETATED SWALE SEE SHEETS I5–I6

WETLANDS LINE, TYPICAL

EXTEND CULVERT APPROX. 3.5 M

END PROJECT
STA. "0" 2+574.539
MATCH EXISTING

TO AUKE BAY

R/W

MENDENHALL LOOP ROAD

TO MENDENHALL GLACIER

DUCK CREEK

ML

E

P-96 P-95 P-94 P-88 P-87 P-86 P-93 P-89 P-90 P-91 P-92

S-76 S-77 S-78 S-79

"0" LINE

2+500 N29°11'29"E ~ 124.539m

"H" LINE

JBOXS

SS

SS MH

W

CROSS SIG

JBOX

INSTALL 18m W-BEAM GUARDRAIL

TRAF LIGHT

TO DOWNTOWN JUNEAU

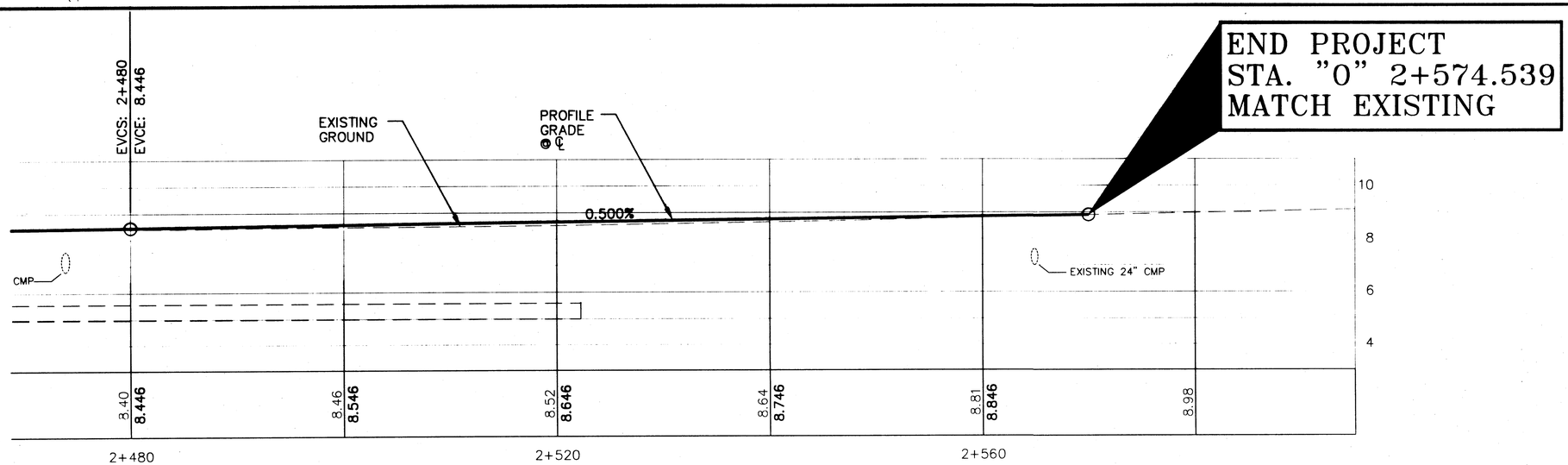
EGAN DRIVE

TRAF MH

4" PIPE

HURLOCK AVENUE

ASPHALT PATH



PATH: Q:\Jnu\69755\Planset\Mcnugget.dwg Fri, 16/Mar/01 03:49PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P9, PR9, T9		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

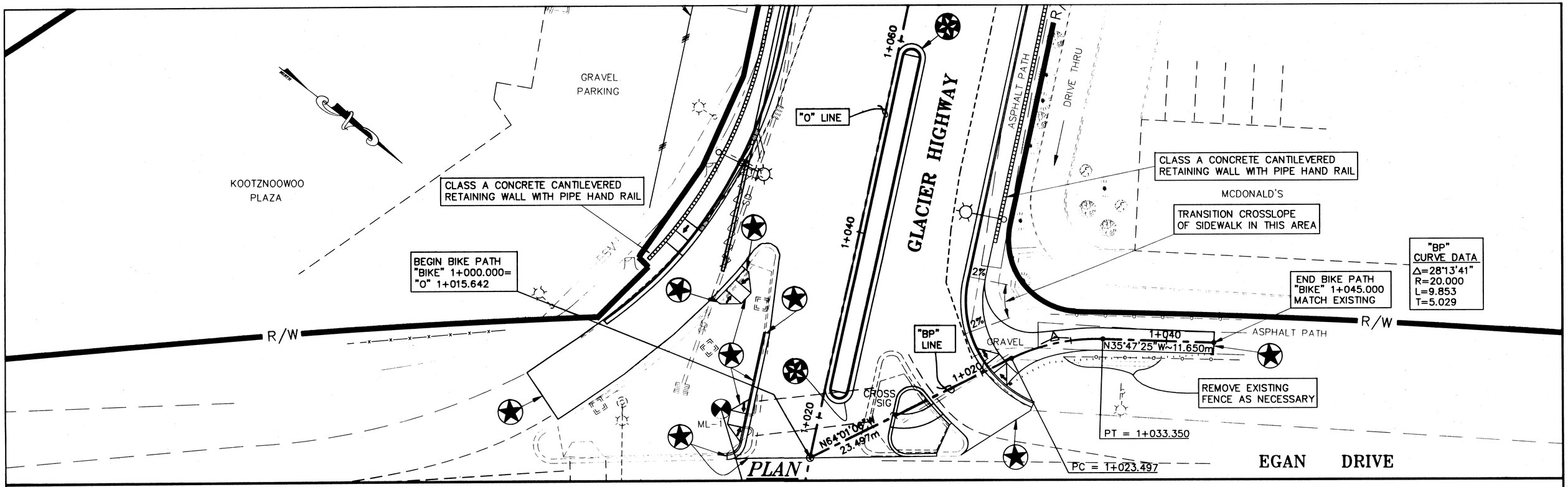
JUNEAU — JNU–GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755

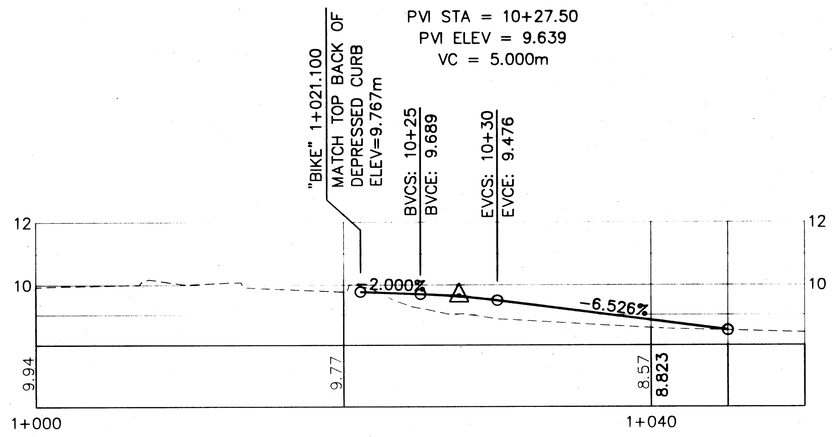
"0" STA. 2+470 TO E.O.P. "0" STA. 2+570

PLAN & PROFILE SHEET

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET F9

3.12.01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER





"BP" LINE PROFILE
BIKE PATH

RECORD OF REVISIONS		
PATH: Q:\Jnu\69755\Planset\Int1.dwg Sun, 18/Mar/01 12:34PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P1, PR1, T1		
BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

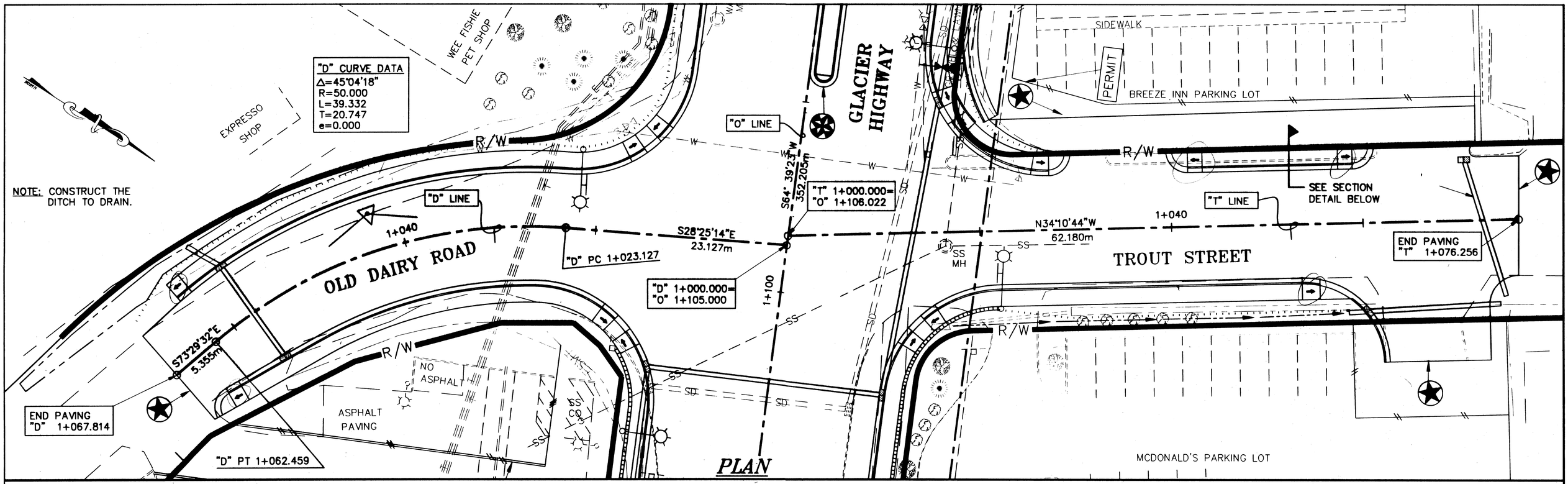
JUNEAU — *ALASKA*

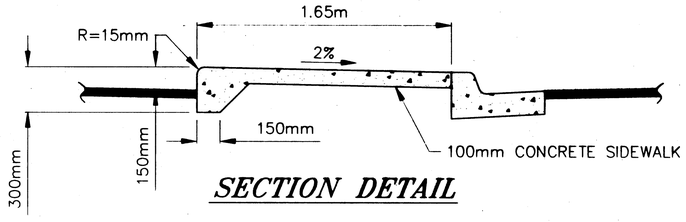
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

EGAN DRIVE & GLACIER HIGHWAY
INTERSECTION PLAN

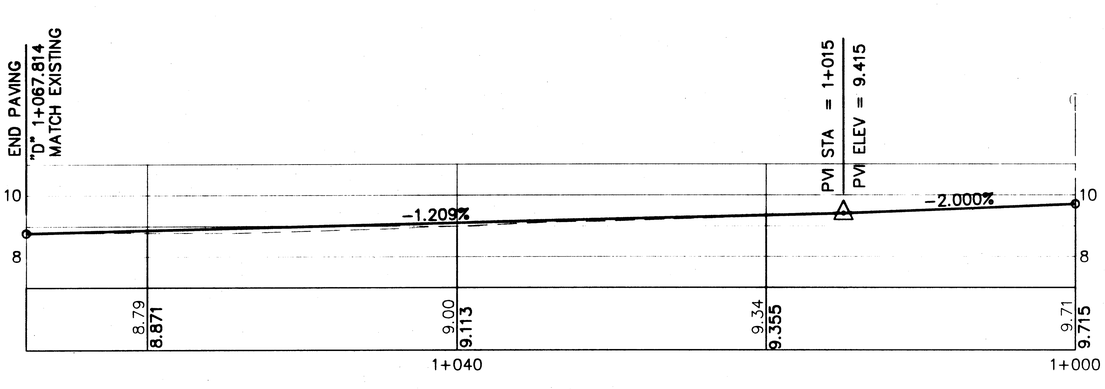
DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *F10*

3-12-01
STATE OF ALASKA
19th
Lucas R. Gregovich
CE 8065
REGISTERED PROFESSIONAL ENGINEER

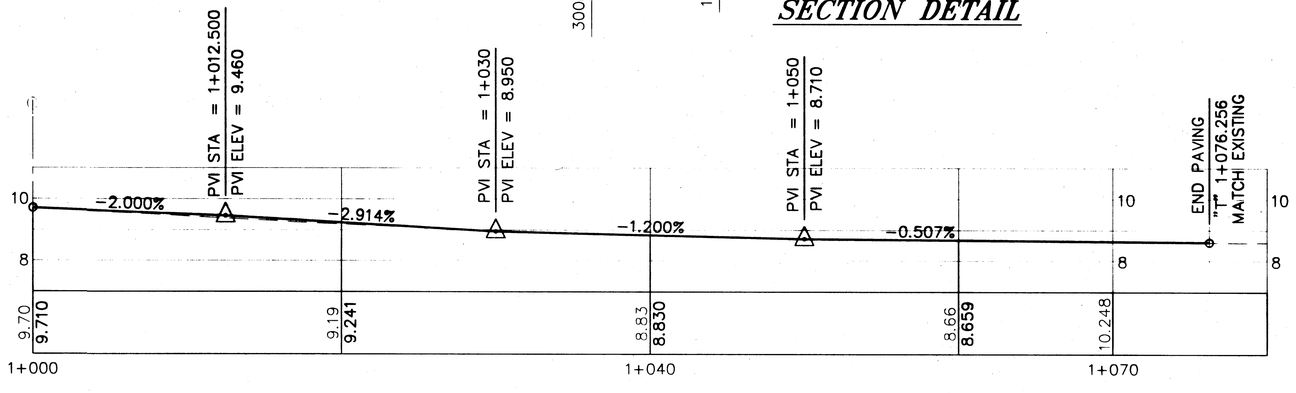




SECTION DETAIL



"D" LINE PROFILE
OLD DAIRY ROAD PROFILE



"T" LINE PROFILE
TROUT STREET PROFILE

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

PATH: Q:\Jnu\69755\Planset\Int1.dwg Sun, 18/Mar/01 12:34PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P2, PR2, T2

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

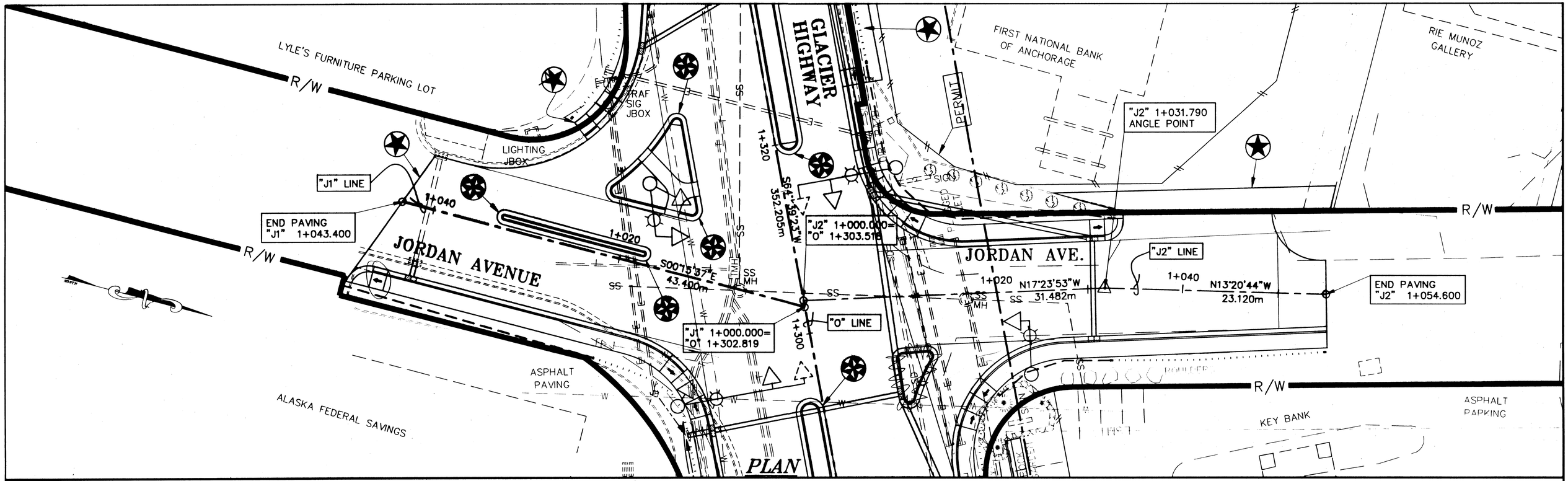
JUNEAU — ALASKA

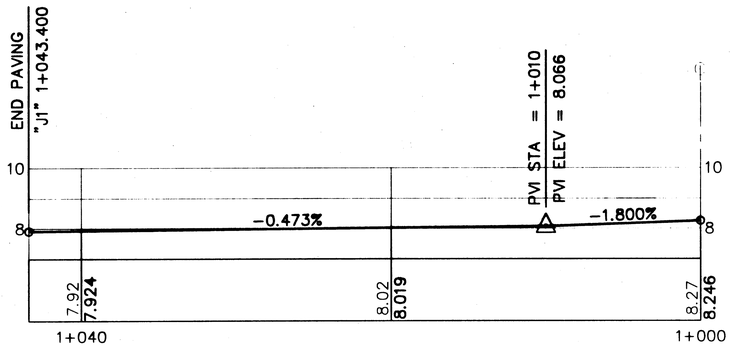
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755

OLD DAIRY ROAD AND TROUT STREET
INTERSECTION PLANS

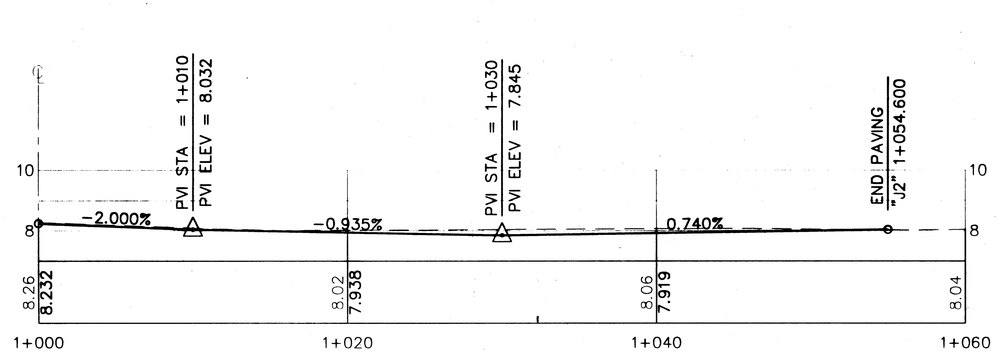
DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F11

5-12-01
STATE OF ALASKA
19th
L. R. Gregovich
CE 8065
REGISTERED PROFESSIONAL ENGINEER





"J1" LINE PROFILE
JORDAN AVE. SOUTH



"J2" LINE PROFILE
JORDAN AVE. NORTH

PATH: Q:\Jnu\69755\Planset\Int1.dwg Sun, 18/Mar/01 12:35PM		
PLOT: *PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P3, PR3, T3*		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

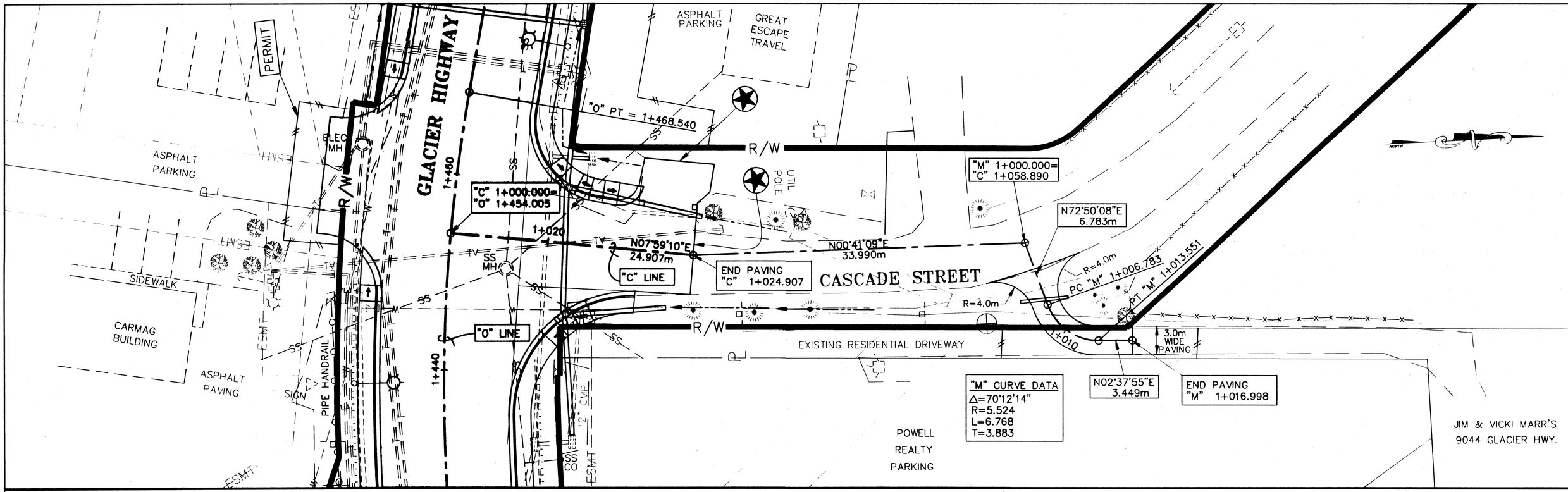
JUNEAU — *ALASKA*

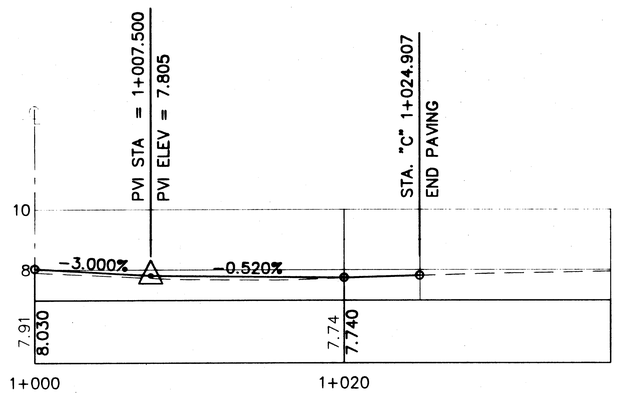
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755

JORDAN AVENUE
INTERSECTION PLAN

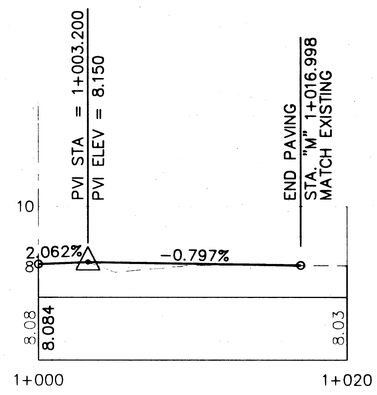
DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *F12*

3-12-01
STATE OF ALASKA
19th
Lyle F. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER





"C" LINE PROFILE
CASCADE STREET



"M" LINE PROFILE
MARRS DRIVEWAY

PATH: Q:\Jnu\69755\Planset\Int1.dwg Sun, 18/Mar/01 12:35PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P4, PR4, T4		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

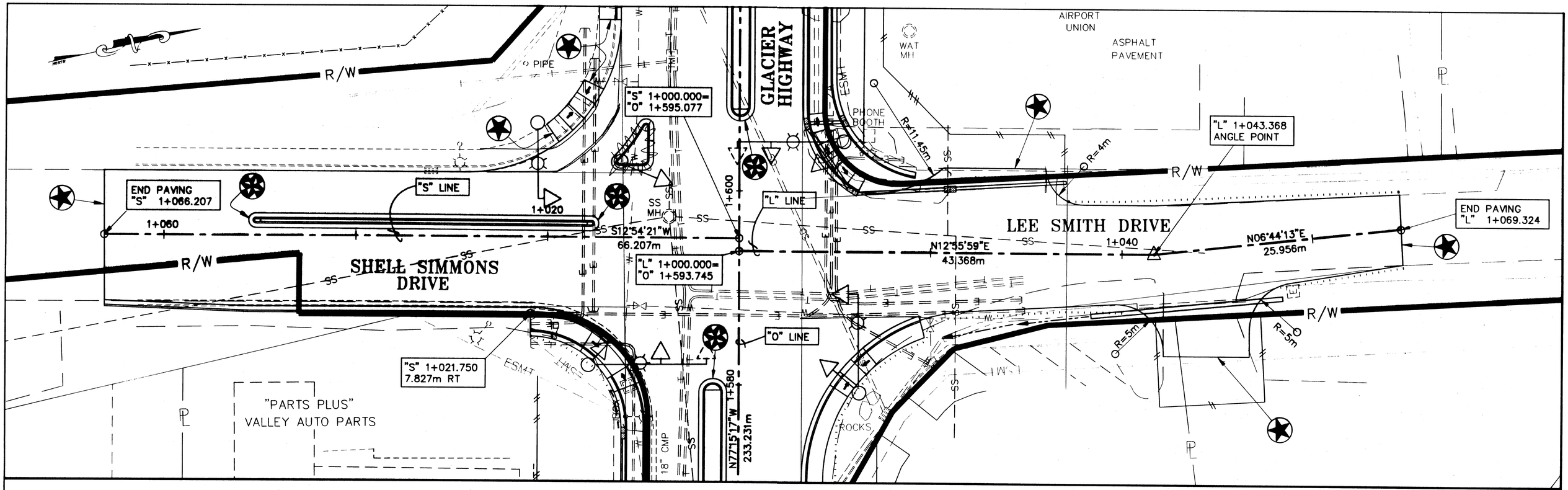
JUNEAU — *ALASKA*

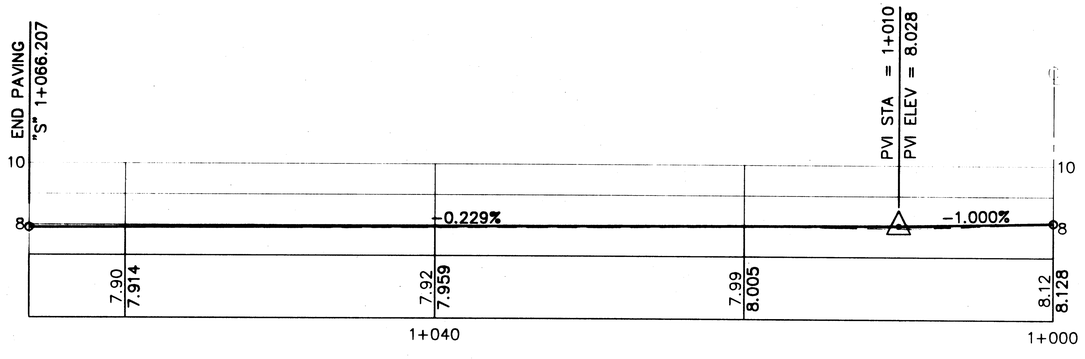
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

CASCADE STREET
INTERSECTION & DRIVEWAY PLANS

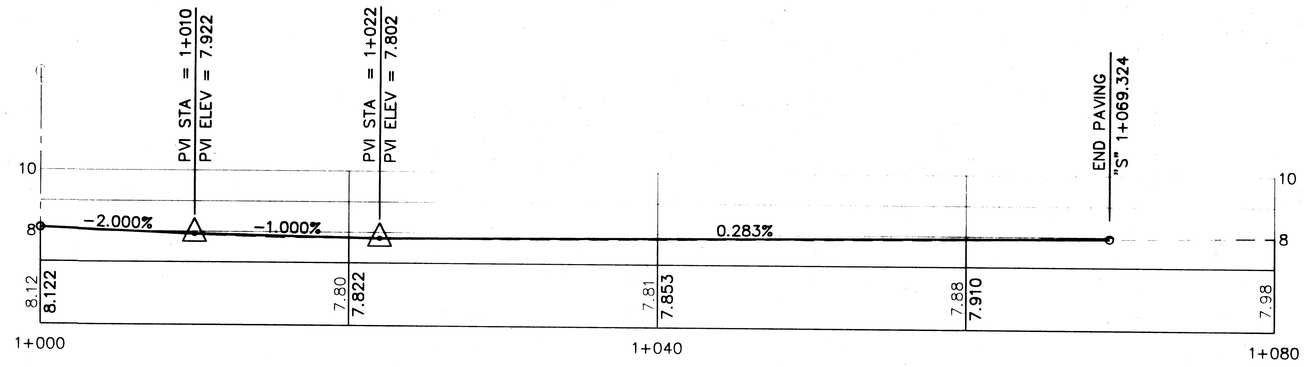
DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *F13*

3-12-01
STATE OF ALASKA
19th
Lyle R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER





"S" LINE PROFILE
SHELL SIMMONS DRIVE



"L" LINE PROFILE
LEE SMITH DRIVE

PATH: Q:\Jnu\69755\Planset\Int1.dwg Sun, 18/Mar/01 12:35PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P5, PR5, T5		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

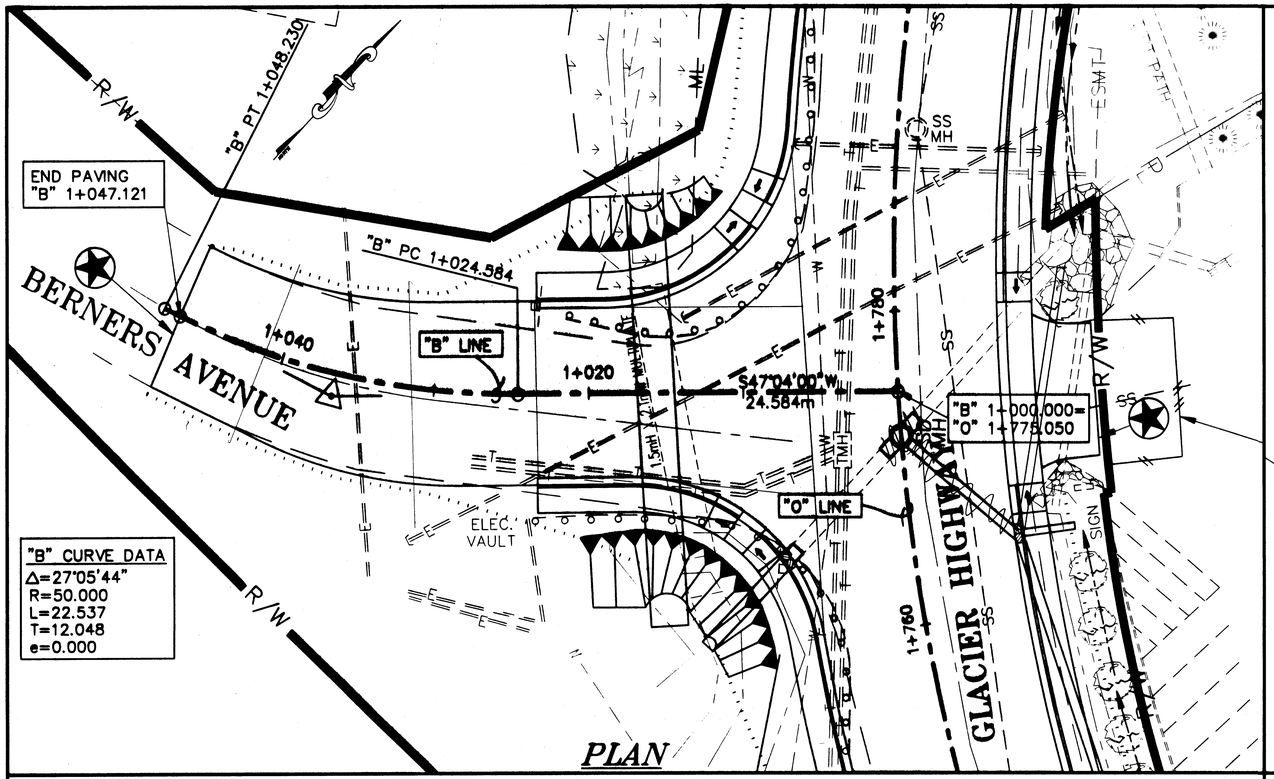
JUNEAU — ALASKA

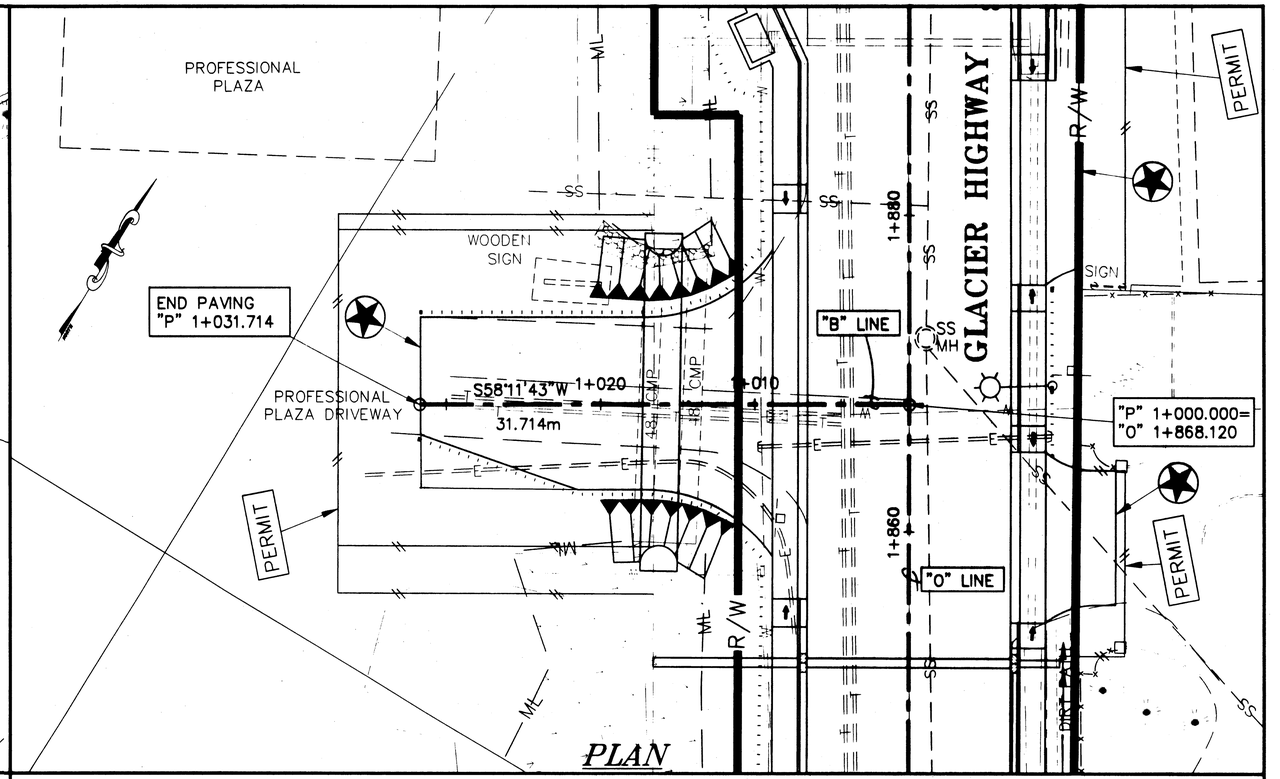
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

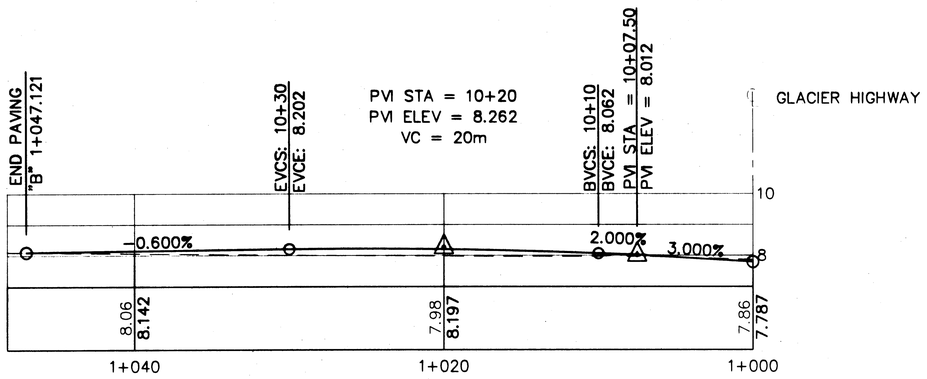
LEE SMITH DRIVE & SHELL SIMMONS ROAD
INTERSECTION PLANS

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *F14*

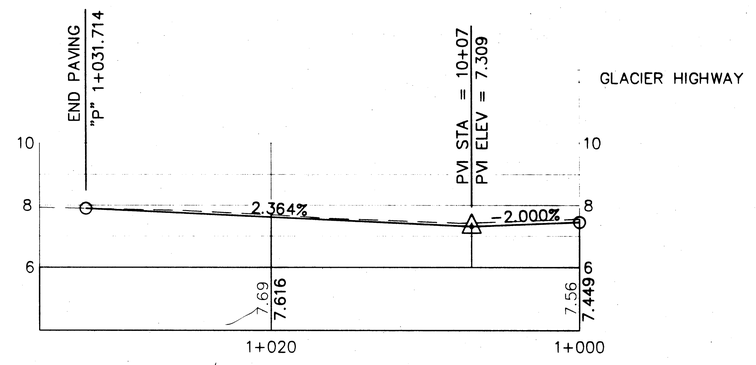
3-12-01 STATE OF ALASKA 19th Lee R. Gregovich CL-8065 REGISTERED PROFESSIONAL ENGINEER







"B" LINE PROFILE
BERNERS AVENUE



"P" LINE PROFILE
PROFESSIONAL PLAZA DRIVEWAY

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Int2.dwg		Sun, 18/Mar/01 12:38PM
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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

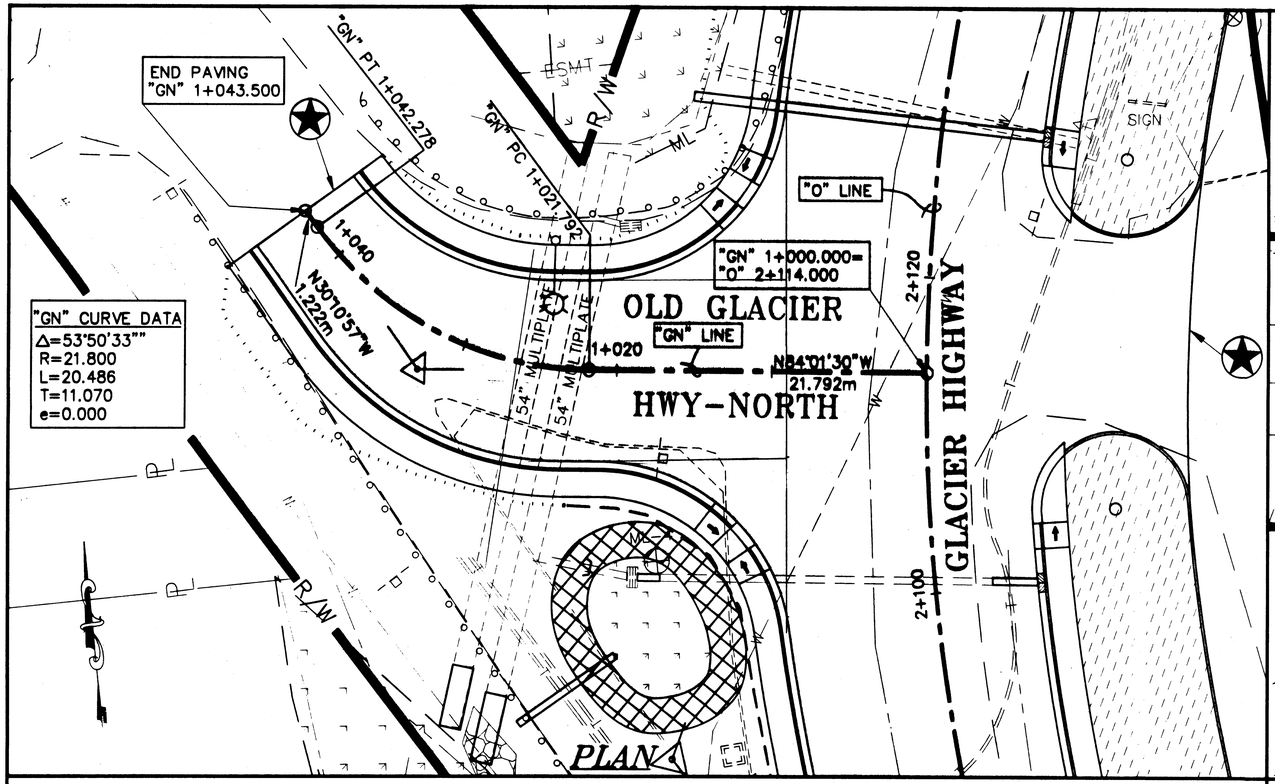
JUNEAU — ALASKA

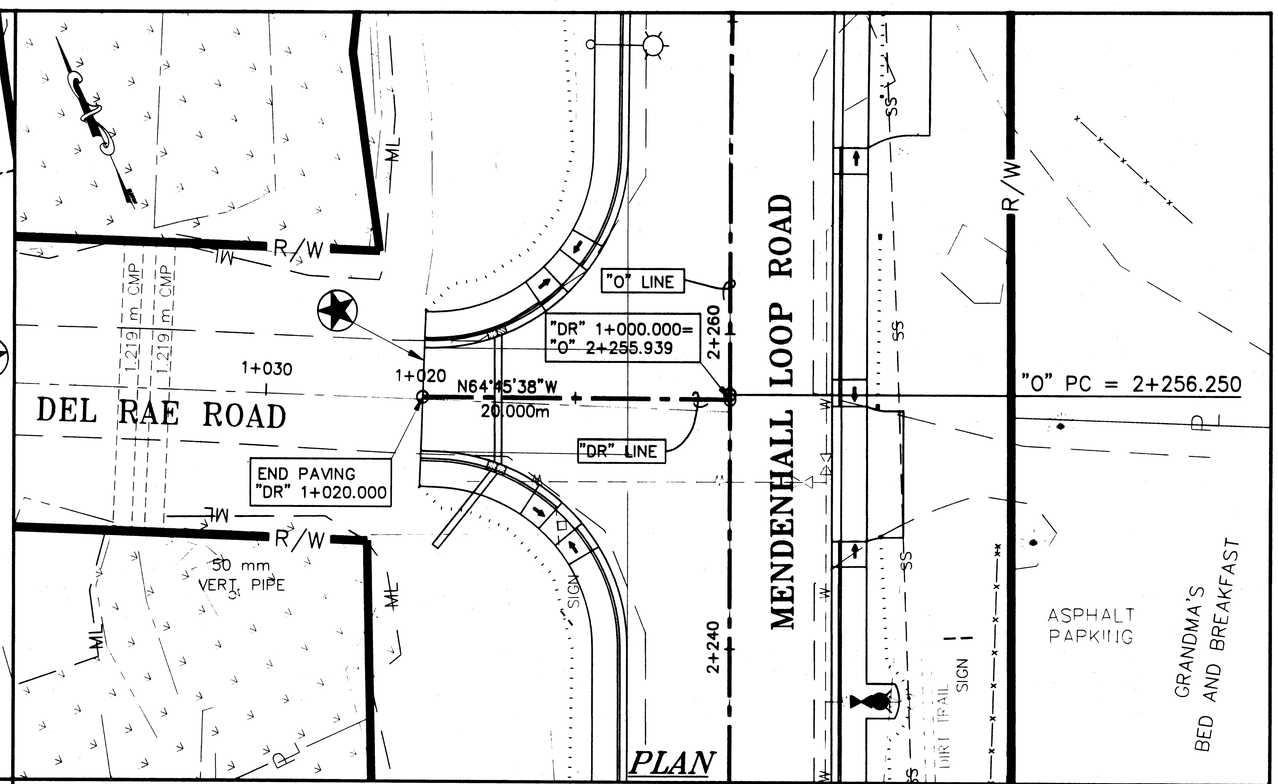
JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90)~ PROJECT NO. 69755

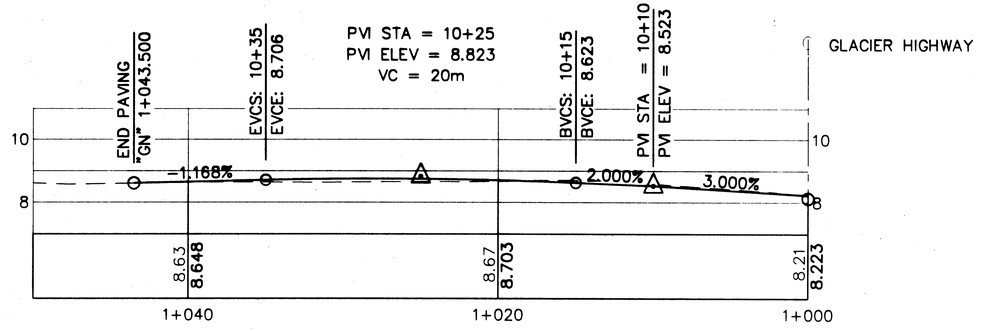
BERNERS AVENUE & PROFESSIONAL PLAZA
INTERSECTION & DRIVEWAY PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F15

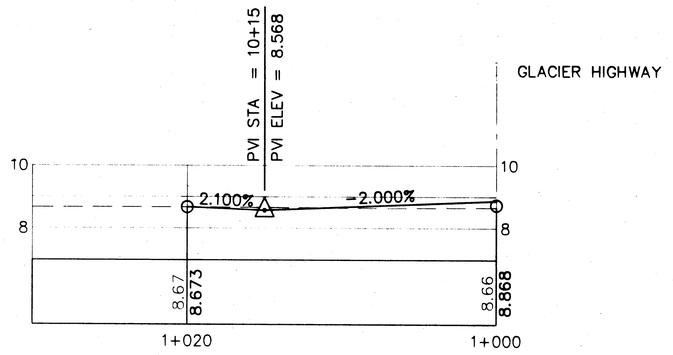
3-12-01 STATE OF ALASKA 49th LICENSED PROFESSIONAL ENGINEER







"GN" LINE PROFILE
OLD GLACIER HWY NORTH



"DR" LINE PROFILE
DEL RAE ROAD

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Int2.dwg		Sun, 18/Mar/01 12:38PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=200(F)		VIEWS: P3, P4, PR3, PR4, T2
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

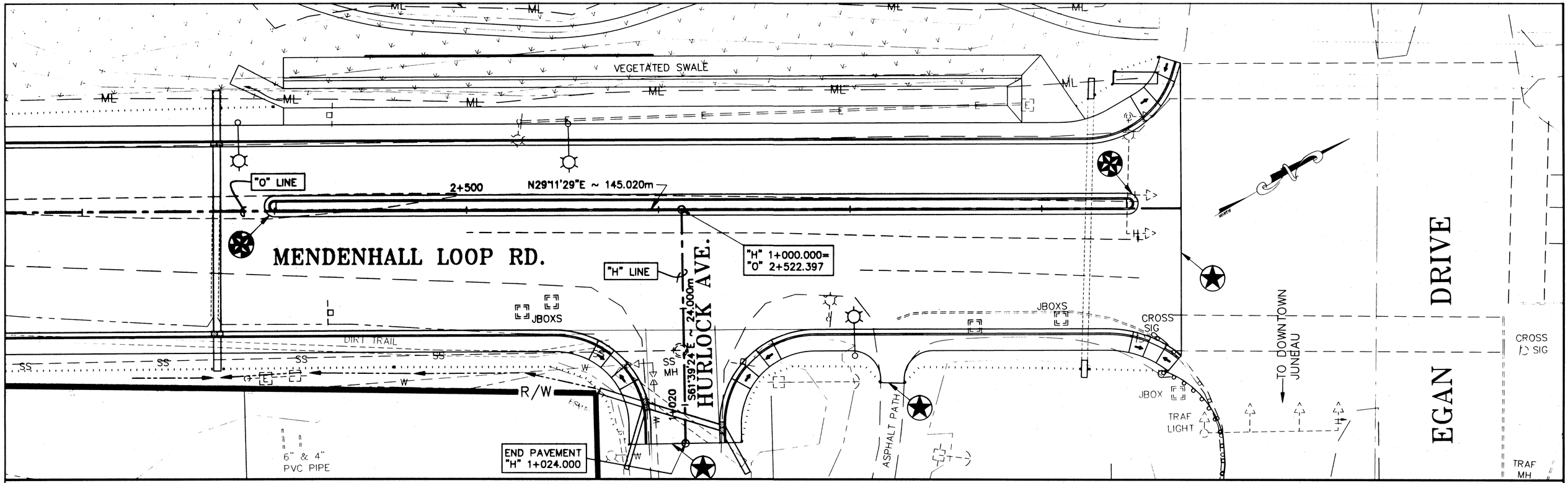
JUNEAU — ALASKA

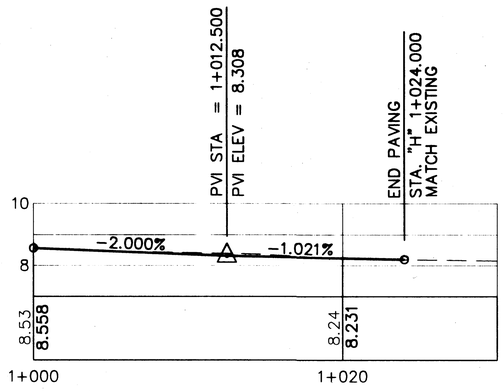
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

OLD GLACIER HWY NORTH & DEL RAE ROAD
INTERSECTION PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F16

3-12-01
STATE OF ALASKA
49th
REGISTERED PROFESSIONAL ENGINEER
E-8065



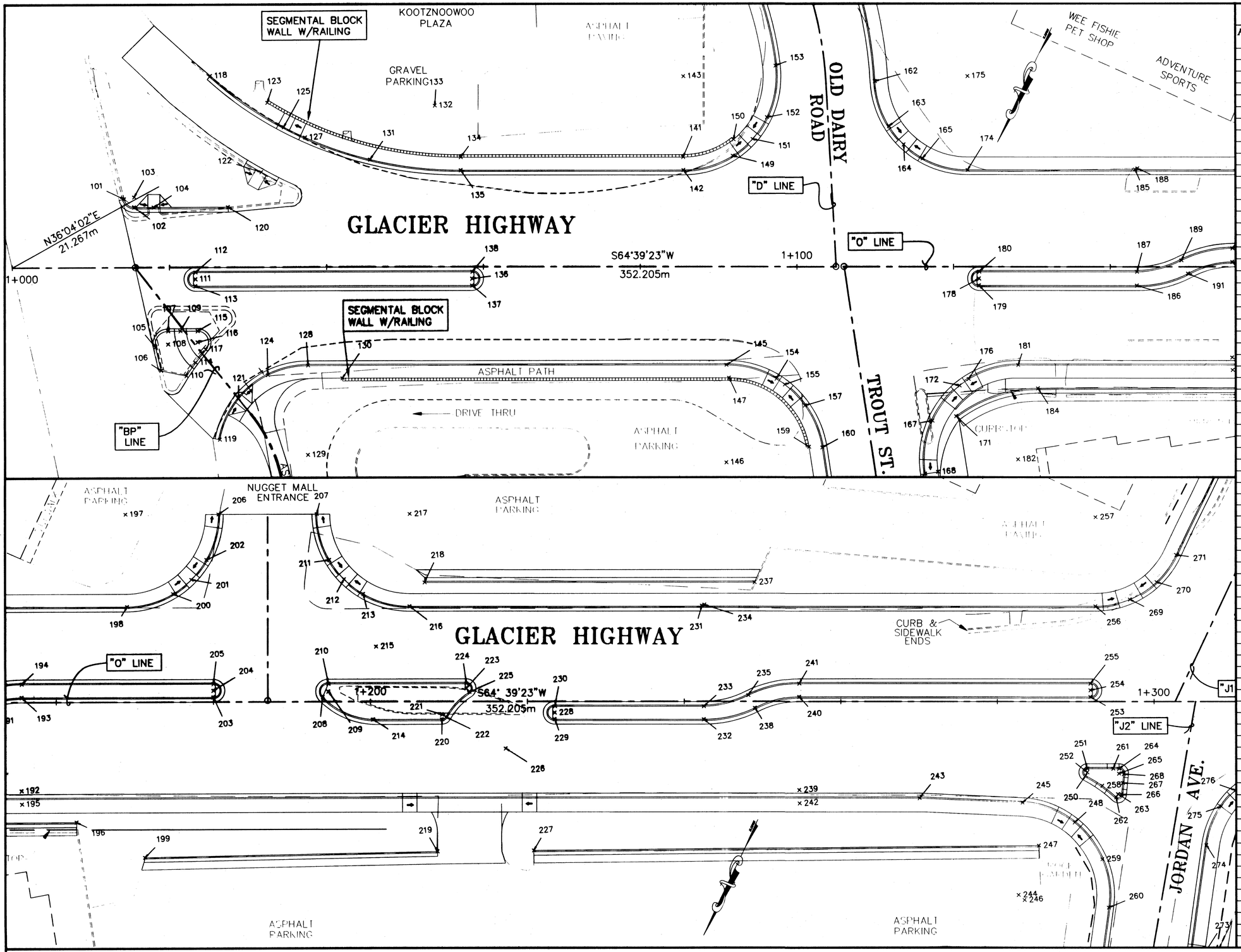


"H" LINE PROFILE
HURLOCK AVENUE

PATH: Q:\Jnu\69755\Planset\Int1.dwg Sun, 18/Mar/01 12:36PM	STATE OF ALASKA	JUNEAU JNU-GLACIER HIGHWAY ALASKA
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P6, PR6, T6	DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES	EGAN DRIVE TO MENDENHALL LOOP ROAD
BY: / DATE: / DESCRIPTION OF CHANGE:	SOUTHEAST REGION	FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755
RECORD OF REVISIONS		HURLOCK RD. & GLACIER HWY/EGAN DR. INTERSECTION PLAN

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F17

3-12-01 STATE OF ALASKA 49th L. R. Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER



LAYOUT POINT TABLE

POINT NO.	STATION	OFFSET LEFT	OFFSET RIGHT	ELEVATION	DESCRIPTION
101	1+014.239	8.570		–	MATCH TBC
102	1+015.510	7.510		–	PT
103	1+015.513	8.810		–	RP
104	1+017.991	7.510		–	RAMP
105	1+018.215		9.820	–	MATCH TBC
106	1+018.927		12.820	–	MATCH TBC
108	1+019.825		9.450	–	RP
107	1+019.825		7.800	–	PC
109	1+021.382		7.800	–	RAMP
110	1+022.148		13.500	–	MATCH TBC
111	1+023.310		1.450	–	RP
113	1+023.313		2.300	10.071	PC
112	1+023.313		0.610	10.129	PT
114	1+023.339		11.790	–	RAMP
116	1+023.587		9.200	–	RP
115	1+023.587		7.800	–	PT
117	1+024.644		10.120	–	PC
118	1+025.223	24.180		9.962	MATCH TBC
119	1+026.405	21.620		–	MATCH TBC
120	1+027.461	7.510		–	MATCH TBC
121	1+028.799		16.400	–	RAMP
122	1+031.710	11.990		–	RAMP
123	1+032.487	20.820		9.885	WALL A1
124	1+032.519		13.410	–	CURVE
125	1+034.580	17.720		9.806	RAMP/CURVE-ELEV
126	1+035.320		38.840	–	MATCH PATH
127	1+037.301	16.400		9.765	CURVE
128	1+037.634		12.200	9.881	PT
129	1+037.638		23.610	–	RP
130	1+042.013		13.840	9.915	WALL B
131	1+045.572	13.560		9.813	CURVE
134	1+057.122	13.840		9.893	WALL A
135	1+057.132	12.190		9.860	PT
136	1+058.559		1.450	–	RP
137	1+058.564		2.300	10.076	PT
138	1+058.586		0.600	10.134	PC
141	1+085.481	13.840		9.763	WALL A
142	1+085.520	12.200		9.730	PC
143	1+085.523	24.040		–	RP
145	1+090.972		12.200	9.689	PC
146	1+090.972		24.600	–	RP
147	1+091.311		13.860	9.719	WALL B
149	1+091.831	14.010		9.580	CURVE
150	1+091.917	16.100		9.582	WALL A
151	1+094.364	16.160		9.504	RAMP
152	1+096.205	18.920		9.429	CURVE
154	1+097.372		13.980	9.497	CURVE
155	1+098.445		14.710	–	RAMP
157	1+101.017		17.330	9.355	CURVE
158	1+101.070		63.410	–	MATCH TBC
163	1+111.790	17.780		9.364	CURVE
164	1+113.683	15.470		9.389	RAMP
165	1+116.092	13.710		9.413	CURVE
167	1+117.310		19.290	9.161	CURVE
171	1+120.327		18.690	8.772	PC
172	1+120.759		14.840	–	RAMP
174	1+121.829	12.220		9.461	PT
175	1+121.833	24.070		–	RP
176	1+121.933		14.000	9.292	CURVE
178	1+123.258		1.450	–	RP
179	1+123.261		2.300	9.668	PC
180	1+123.283		0.600	9.726	PT
181	1+128.250		12.210	9.414	PT
182	1+128.250		24.210	–	RP
183	1+130.780		32.530	–	RP
184	1+130.789		15.190	8.624	PT
185	1+143.188	12.280		–	RP
186	1+143.406		2.310	9.520	PT
187	1+143.406		0.610	9.578	PC
188	1+143.500	12.410		–	RP
189	1+149.084	0.820		9.487	PRC
191	1+149.929		0.830	9.487	PRC
192	1+155.582		11.210	–	RP
193	1+155.599	0.610		9.488	PC
194	1+155.599	2.310		9.430	PT
195	1+155.640		12.830	–	RP
196	1+162.583		15.070	8.760	POT

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

RECORD OF REVISIONS			
PATH: Q:\Jnu\69755\Planset\PLAN–offset.dwg			
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BY:	DATE:	DESCRIPTION OF CHANGE:	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

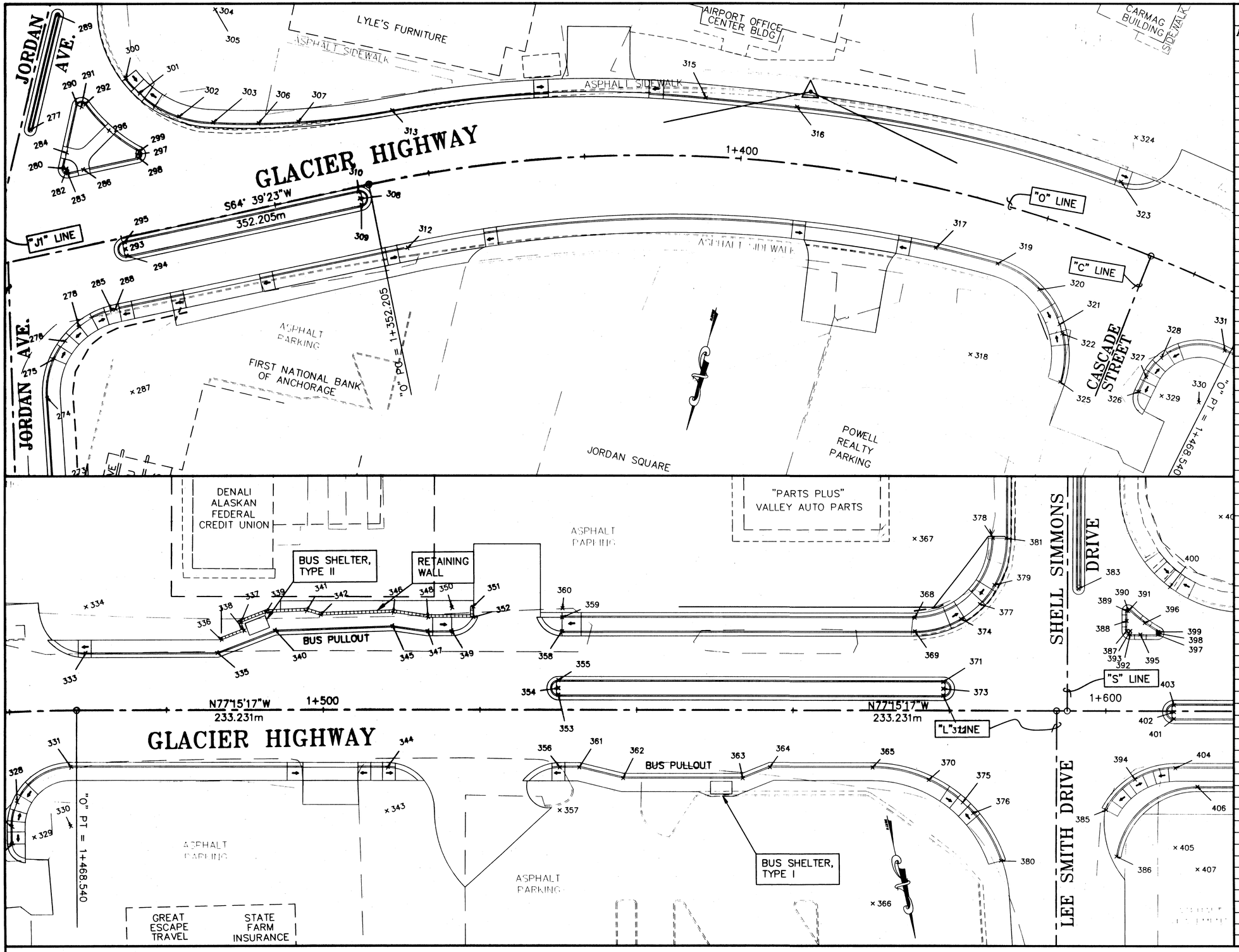
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755

LAYOUT POINT PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F18

3-12-01
STATE OF ALASKA
19th
CE-8065
REGISTERED PROFESSIONAL ENGINEER



LAYOUT POINT TABLE

POINT NO.	STATION	OFFSET LEFT	OFFSET RIGHT	ELEVATION	DESCRIPTION
197	1+168.823	24.060		–	RP
198	1+169.037	12.210		9.113	PC
199	1+171.254		19.450	8.222	POT
200	1+174.871	13.870		9.124	CURVE
201	1+177.202	15.680		9.129	RAMP
202	1+179.120	18.200		9.135	CURVE
203	1+179.987	0.610		9.308	PT
204	1+179.992	1.460		–	RP
205	1+179.997	2.310		9.250	PC
206	1+180.673	24.060		9.146	PT
207	1+193.172	24.050		9.053	PC
208	1+193.901	0.610		9.193	PCC
209	1+194.628	1.300		–	RP
210	1+194.628	2.300		9.142	PC
211	1+194.757	18.130		8.984	CURVE
212	1+196.640	15.670		8.950	RAMP
213	1+199.087	13.790		8.916	CURVE
214	1+200.324		2.310	9.100	PT
215	1+200.723	7.080		–	RP
216	1+205.005	12.200		8.847	PT
217	1+205.023	24.050		–	RP
218	1+206.919	15.270		8.305	POT
219	1+208.543		18.760	8.341	POT
220	1+209.110		2.300	9.035	PC
221	1+209.111		1.690	–	RP
222	1+209.632		2.010	9.037	PRC
224	1+212.231	2.300		9.012	PT
223	1+212.231	1.690		–	RP
225	1+212.621	1.220		9.031	PRC
226	1+217.228		6.040	–	RP
227	1+220.804		18.630	8.374	POT
228	1+223.467		1.450	–	RP
229	1+223.472		2.300	8.929	PC
230	1+223.494		0.600	8.987	PT
231	1+242.278	12.270		–	RP
232	1+242.496		2.310	8.788	PT
233	1+242.496		0.610	8.846	PC
234	1+242.590	12.400		–	RP
235	1+248.174	0.810		8.755	PRC
237	1+248.993	15.260		8.365	POT
238	1+249.019		0.830	8.755	PRC
239	1+254.673		11.220	–	RP
240	1+254.689	0.610		8.712	PC
241	1+254.689	2.310		8.698	PT
242	1+254.730		12.840	–	RP
243	1+270.058		12.200	8.367	POT
244	1+282.706		24.360	–	RP
245	1+283.190		12.750	8.259	PC
246	1+283.466		25.000	–	RP
247	1+285.295		18.030	8.196	POT
248	1+289.841		15.190	8.127	RAMP
250	1+291.258		9.428	8.241	PC
251	1+291.462		8.561	8.27	PT
252	1+291.463		9.018	–	RP
253	1+291.874	0.600		8.482	PT
254	1+291.878	1.450		–	RP
255	1+291.884	2.300		8.424	PC
256	1+292.549	12.200		8.201	PC
257	1+292.549	23.600		–	RP
258	1+293.377		10.68	8.192	RAMP
261	1+294.760		8.56	–	RAMP
262	1+295.135		12.08	8.171	PT
263	1+295.404		11.72	–	RP
264	1+295.508		8.558	8.24	PC
265	1+295.508		9.158	–	RP
266	1+295.852		11.76	8.185	PC
267	1+295.994		10.33	–	RAMP
268	1+296.105		9.217	8.227	PT
269	1+296.940	13.080		8.128	RAMP
		PLAN 1			
		PLAN 2			
276	1+310.369		11.230	–	RAMP
278	1+312.459		9.820	8.081	CURVE
280	1+314.495	9.949		8.128	PC
282	1+314.908	9.751		–	RP
283	1+314.909	9.292		8.13	PT
284	1+315.300	11.739		–	RAMP

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\PLAN-offset.dwg
PLOT: PSPACE 1=1 OR MSPACE 1=250(F) Sun, 18/Mar/01 12:40PM

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

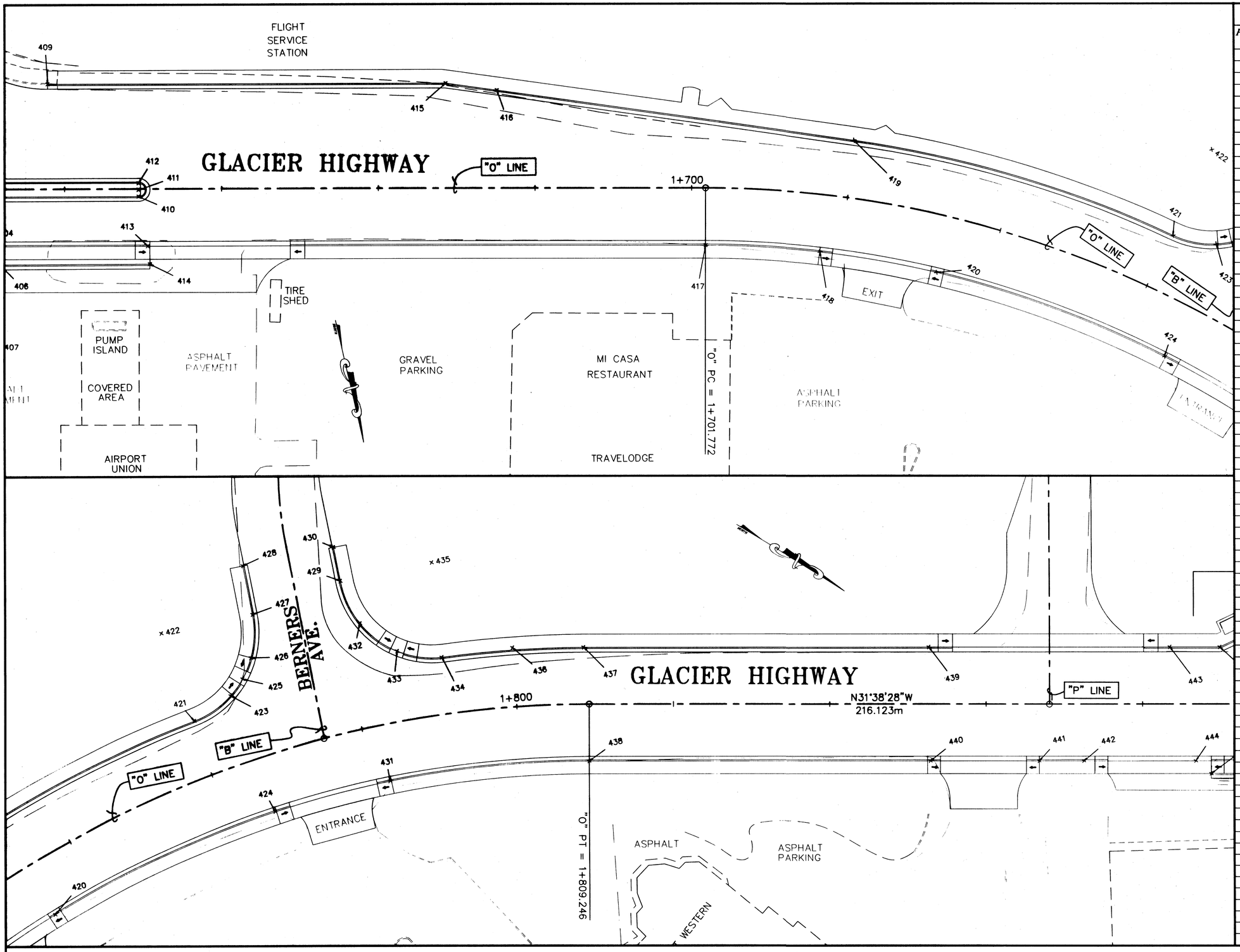
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

LAYOUT POINT PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F19

3-12-01 STATE OF ALASKA 49th Lee R. Gregovich (CE-9015) REGISTERED PROFESSIONAL ENGINEER



LAYOUT POINT TABLE

POINT NO.	STATION	OFFSET LEFT	OFFSET RIGHT	ELEVATION	DESCRIPTION
285	1+316.975		8.620	–	RAMP
286	1+316.983	9.293		–	RAMP
287	1+317.436		19.460	–	RP
288	1+317.450		8.610	8.131	PT
290	1+317.853	17.42		8.085	PT
291	1+318.319	17.05		–	RP
292	1+318.858	17.305		8.081	PC
293	1+320.257		1.440	–	RP
294	1+320.262		2.290	8.263	PT
295	1+320.284		0.590	8.321	PC
296	1+321.165	13.408		8.098	RAMP
297	1+324.109	9.708		–	RP
298	1+324.140	9.294		8.103	PC
299	1+324.356	10.04		8.106	PT
300	1+324.603	19.419		–	MATCH TBC
301	1+325.923	17.232		8.066	RAMP
302	1+330.261	13.313		8.101	CURVE
303	1+334.376	11.689		8.134	PCC
305	1+337.543	25.740		–	RP
304	1+337.543	25.740		–	RP
306	1+340.003	10.400		8.175	CURVE
307	1+345.002	9.540		8.205	CURVE
308	1+350.770		1.450	–	RP
309	1+350.770		2.300	8.232	PC
310	1+350.771		0.600	8.290	PT
311	1+352.180		175.040	–	RP
312	1+355.692		8.590	8.110	PC
313	1+356.779	8.600		8.428	PRC
314	1+359.557		132.190	–	RP
315	1+395.180	7.460		8.508	PT
316	1+406.419	7.200		8.476	PC
317	1+426.873	7.200		8.106	PT
318	1+435.063		19.240	–	RP
319	1+435.344		7.200	8.058	PC
320	1+441.694		8.860	7.965	CURVE
321	1+445.794		12.200	7.889	RAMP
322	1+446.539		13.190	7.871	CURVE
323	1+447.314	7.200		8.256	PRC
324	1+447.315	13.050		–	RP
325	1+448.590		19.190	7.778	PT
326	1+459.522		16.590	7.788	PT
327	1+459.618		14.490	7.795	PC
328	1+460.464		11.430	7.818	RAMP
329	1+462.651		15.910	–	RP
330	1+467.766		14.620	–	RP
331	1+467.814		7.150	7.882	PT
332	1+469.148		168.510	–	RP
333	1+469.753	7.200		8.041	PC
334	1+469.754	13.050		–	RP
335	1+486.473	7.200		7.784	POT
336	1+486.996	8.850		–	WALL C
337	1+489.499	11.070		–	WALL C
338	1+489.918	9.980		–	WALL C
339	1+492.712	12.310		–	WALL C
340	1+493.860	10.060		7.705	POT
341	1+497.866	12.490		–	WALL C
342	1+499.612	11.950		–	WALL C
343	1+508.132		12.740	–	RP
344	1+508.219		7.240	7.745	PC
345	1+508.855	10.580		7.679	POT
346	1+508.948	12.280		–	WALL C
347	1+513.333	9.930		7.695	POT
348	1+513.356	11.640		–	WALL C
349	1+516.402	9.950		7.699	PT
350	1+516.423	12.850		–	RP
351	1+519.121	13.000		–	WALL C
352	1+519.122	11.640		–	WALL C
355	1+530.000	3.700		7.885	PC
353	1+530.000	1.850		7.899	PT
354	1+530.000	2.700		–	RP
356	1+530.202		7.240	7.792	PT
357	1+530.202		12.640	–	RP
358	1+530.477	9.910		7.740	PT
359	1+530.480	11.650		7.774	POT
360	1+530.539	12.810		–	RP
361	1+532.698		7.240	7.803	POT
362	1+538.300		8.590	7.803	POT

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\PLAN–offset.dwg
PLOT: PSPACE 1=1 OR MSPACE 1=250(F) Sun, 18/Mar/01 12:41PM

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

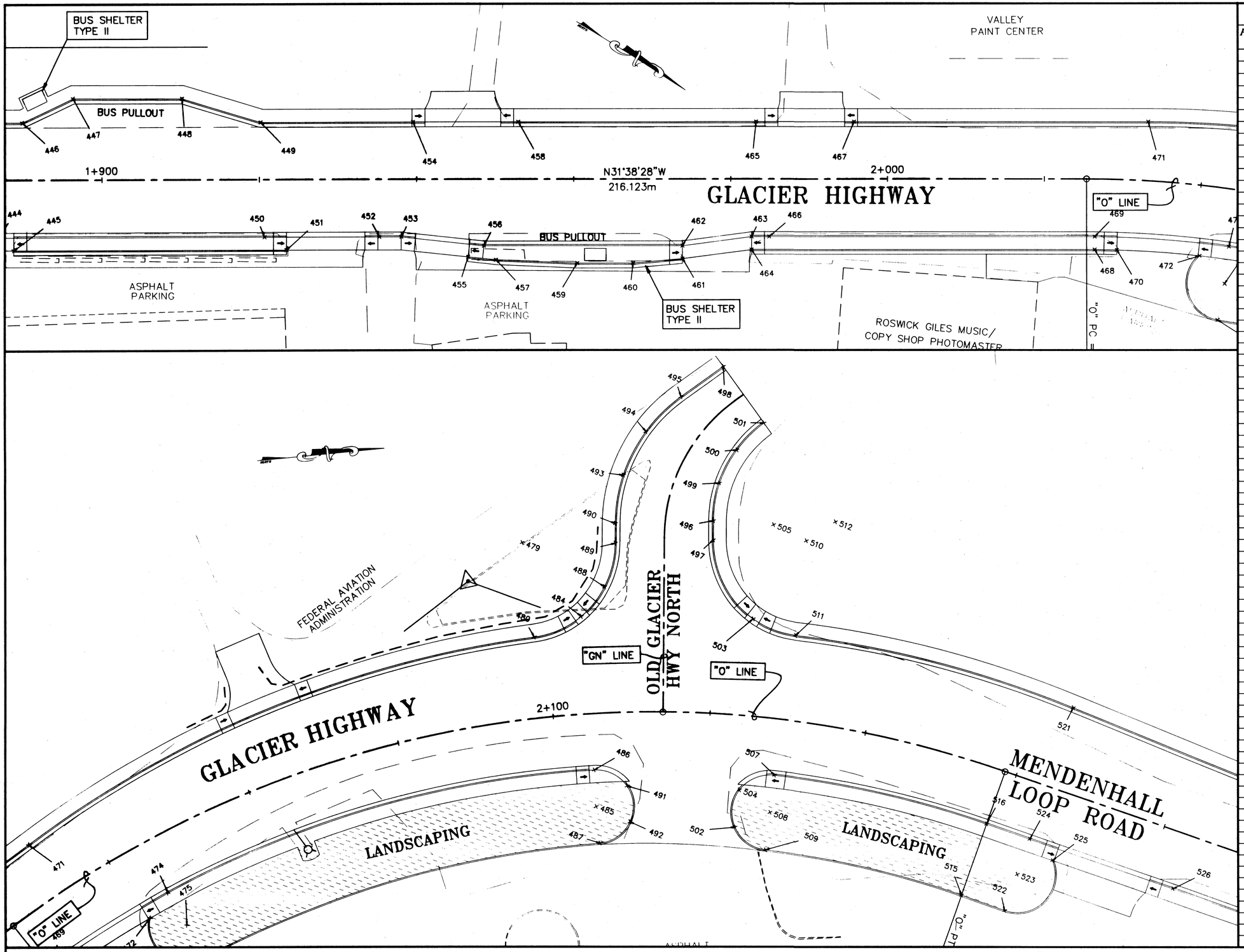
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755

LAYOUT POINT PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F20

3.19.01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER



LAYOUT POINT TABLE

POINT NO.	STATION	OFFSET LEFT	OFFSET RIGHT	ELEVATION	DESCRIPTION
363	1+553.576		8.590	7.879	POT
364	1+557.054		7.200	7.925	POT
365	1+570.207		7.200	7.990	PC
366	1+570.214		24.550	–	RP
367	1+575.580	21.680		–	RP
368	1+575.590	11.650		7.996	PC
369	1+575.590	9.950		7.963	PC
370	1+577.385		8.750	7.927	CURVE
372	1+579.215	1.850		8.142	PC
373	1+579.215	2.700		–	RP
371	1+579.216	3.550		8.128	PT
374	1+581.478	11.540		8.004	CURVE
375	1+581.735		11.580	7.882	RAMP
376	1+583.062		12.950	7.866	CURVE
377	1+583.911	13.420		8.025	CURVE–MIDPOINT
378	1+585.618	21.780		8.008	PT
379	1+585.772	15.870		8.008	CURVE
380	1+586.641		18.970	7.846	POC
381	1+587.311	21.770		7.975	PT
382	1+587.980	66.180		7.884	MATCH TBC
383	1+596.535	15.420		8.118	RP
384	1+596.745	50.420		8.036	RP
385	1+600.081		12.500	7.895	MATCH TBC
386	1+601.397		18.370	8.185	PC
387	1+602.671	10.053		8.028	PT
388	1+602.679	11.307		–	RAMP
389	1+602.688	12.56		8.025	PC
390	1+602.879	12.559		–	RP
391	1+603.007	12.7		8.03	PT
392	1+603.128	9.592		8.031	PC
393	1+603.130	10.05		–	RP
394	1+603.766		8.630	8.040	CURVE–MIDPOINT
395	1+604.413	9.588		–	RAMP
396	1+604.966	11.044		8.145	RAMP
398	1+606.622	9.772		–	RP
397	1+606.622	9.581		8.048	PT
399	1+606.709	9.942		8.045	PC
400	1+608.201	15.630		–	RAMP EOP
401	1+608.709		0.950	8.316	PT
402	1+608.712		0.100	–	RP
403	1+608.715	0.750		8.320	PC
404	1+608.914		7.200	8.184	PT
405	1+608.928		17.230	–	RP
406	1+611.734		9.530	8.161	PT
407	1+611.764		20.030	–	RP
408	1+614.725	24.570		–	RP
409	1+617.827	13.030		8.077	MATCH TBC
	.	PLAN 2			
		PLAN 3			
410	1+629.406		0.950	8.419	PC
411	1+629.409		0.100	–	RP
412	1+629.412	0.750		8.423	PT
413	1+630.585		7.200	8.292	POT
414	1+630.848		9.490	8.256	POT
415	1+668.581	13.020		8.232	POT
416	1+675.105	12.130		8.232	POT
417	1+701.781		7.200	8.197	PC
418	1+717.259		7.200	8.042	PCC
419	1+719.866	7.200		8.422	PC
420	1+733.298		7.200	7.949	PCC
421	1+760.342	7.200		8.187	PRC
422	1+760.342	19.050		–	RP
423	1+765.489	8.650		8.227	CURVE
424	1+766.161		7.210	7.758	PCC
425	1+767.465	10.210		8.246	CURVE–MIDPOINT_TBC–
426	1+769.132	12.400		8.224	CURVE
427	1+770.696	17.550		8.184	PT
428	1+771.154	23.710		8.225	MATCH TBC
429	1+781.159	18.770		8.201	PC
430	1+781.200	23.140		8.225	MATCH TBC
431	1+782.200		7.210	7.732	PCC
432	1+782.396	13.120		8.137	CURVE
433	1+786.124	8.840		8.072	RAMP/CURVE–ELEV
434	1+791.335	7.200		8.009	PRC
435	1+791.590	19.090		–	RP
436	1+799.953	7.490		–	PI
437	1+808.576	7.200		7.617	PT

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:	

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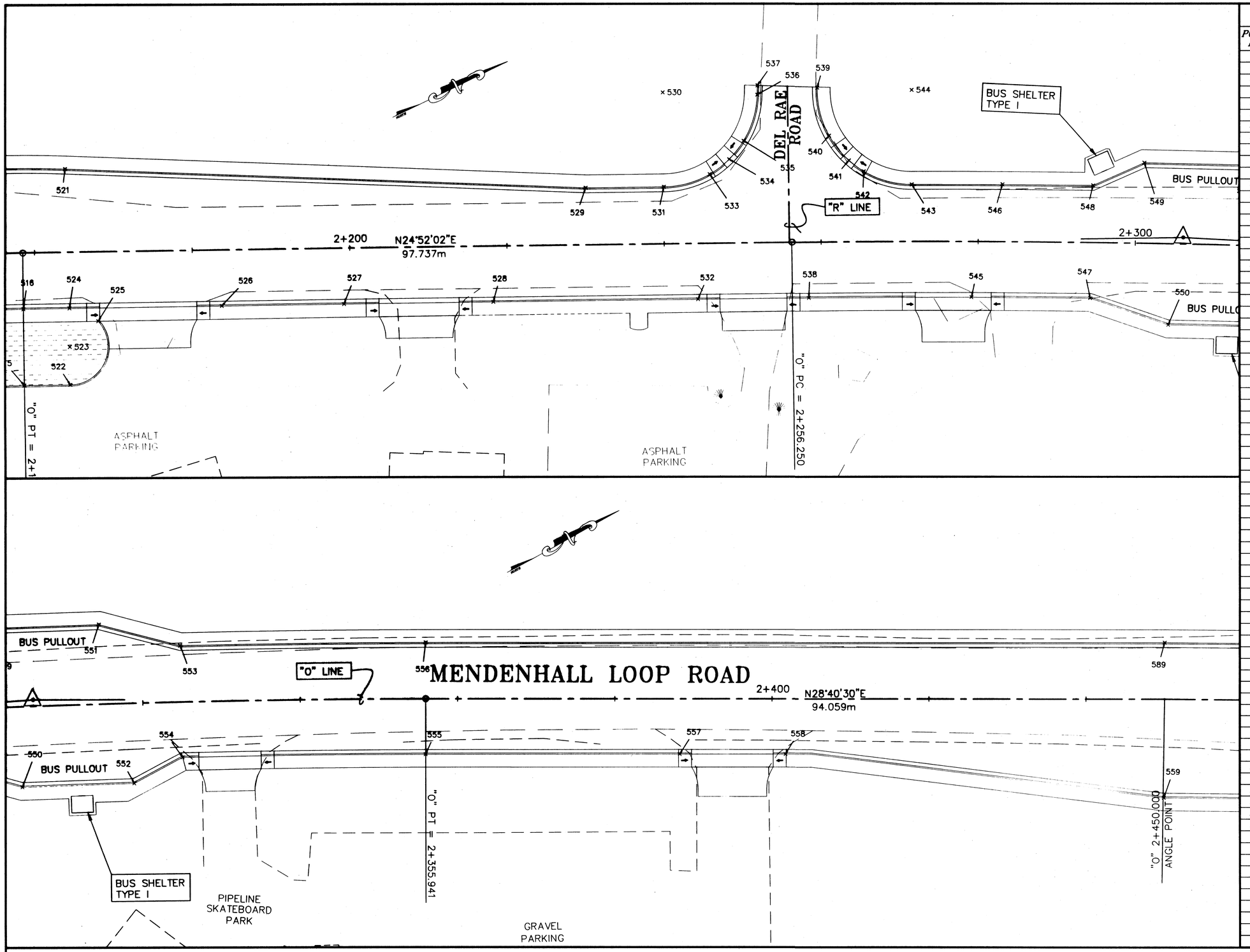
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755
LAYOUT POINT PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F21

3-12-01 STATE OF ALASKA 19th — REGISTERED PROFESSIONAL ENGINEER



LAYOUT POINT TABLE

POINT NO.	STATION	OFFSET LEFT	OFFSET RIGHT	ELEVATION	DESCRIPTION
438	1+809.233		7.210	7.575	PT
439	1+852.672	7.200		7.406	POT
440	1+852.881		7.200	7.406	POT
441	1+866.796		7.200	7.430	POT
442	1+872.501		7.200	7.452	POT
443	1+883.472	7.200		7.506	POT
444	1+886.812		7.200	7.523	POT
445	1+888.795		8.850	7.566	POT
446	1+889.873	7.200		7.538	POT
		PLAN 3			
		PLAN 4			
447	1+896.329	10.200		7.511	POT
448	1+910.155	10.180		7.580	POT
449	1+920.160	7.200		7.689	POT
450	1+920.664		7.200	7.692	POT
451	1+923.444		8.850	7.739	POT
452	1+935.260		7.200	7.765	POT
453	1+938.072		7.210	7.778	POT
454	1+939.538	7.210		7.784	POT
455	1+946.573		9.780	7.819	POT
456	1+948.590		8.340	7.832	POT
457	1+950.105		10.170	7.825	POT
458	1+952.933	7.210		7.814	POT
459	1+960.453		10.600	7.832	POT
460	1+967.568		10.600	7.816	POT
461	1+973.844		10.020	7.781	POT
462	1+973.845		8.350	7.747	POT
463	1+982.650		7.200	7.727	POT
464	1+982.650		8.870	7.760	POT
465	1+983.219	7.200		7.724	POT
466	1+984.907		7.200	7.718	POT
467	1+995.732	7.200		7.691	POT
519	2+025.368		135.000	–	RP
518	2+025.368		135.000	–	RP
517	2+025.368		135.000	–	RP
468	2+026.475		8.850	7.804	POT
469	2+026.475		7.200	7.771	PC
470	2+029.494		8.850	7.819	POT
471	2+032.819	7.420		7.777	PC
472	2+040.822		8.850	7.810	PC
473	2+044.465		16.740	7.947	PRC
474	2+044.604		7.200	7.796	PCC
475	2+044.736		11.980	–	RP
479	2+098.415	22.140		–	RP
480	2+098.657	10.290		8.555	PRC
484	2+104.358	12.360		8.623	RAMP/CURVE-ELEV
485	2+104.780		11.940	–	RP
486	2+104.813		7.200	8.097	PT
487	2+105.008		16.670	8.020	PRC
488	2+107.215	15.830		8.671	CURVE
489	2+108.597	21.220		8.729	PT
490	2+108.682	23.700		8.738	PC
491	2+109.164		9.460	8.012	CURVE
492	2+109.431		14.120	8.024	CURVE
493	2+109.684	29.870		8.751	CURVE
494	2+112.080	35.410		8.737	CURVE
495	2+115.553	39.850		8.702	PT
496	2+119.303	24.140		8.752	PC
497	2+119.385	21.730		8.732	PT
498	2+119.566	43.910		–	MATCH TBC
499	2+119.771	28.960		8.760	CURVE
500	2+121.381	33.390		8.707	CURVE
501	2+123.916	37.040		–	MATCH TBC
502	2+124.400		14.400	8.016	CURVE
503	2+124.448	12.280		–	RAMP
504	2+124.582		9.560	8.140	CURVE
505	2+125.803	24.180		–	RP
507	2+129.102		7.200	8.218	PCC
508	2+129.103		12.050	–	RP
509	2+129.103		16.900	7.891	PRC
510	2+129.534	22.650		–	RP
511	2+129.600	10.800		8.712	PRC
506	2+129.768		134.950	–	RP
512	2+132.392	25.510		–	RP
514	2+140.971		#####	–	RP
513	2+140.971		#####	–	RP
515	2+158.501		16.900	–	PC

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\PLAN–offset.dwg		
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RECORD OF REVISIONS

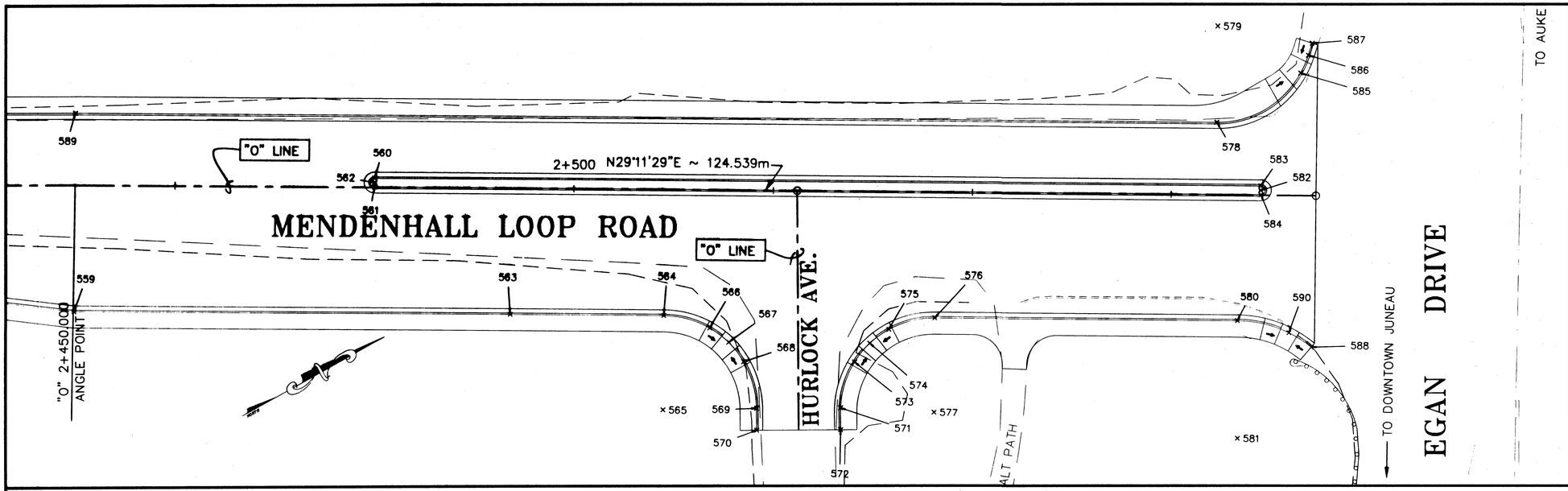
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755
LAYOUT POINT PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F22

5-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER



LAYOUT POINT TABLE

POINT NO.	STATION	OFFSET LEFT	OFFSET RIGHT	ELEVATION	DESCRIPTION
515	2+158.501		16.900	–	PC
516	2+158.513		7.200	8.432	PT
520	2+163.590		141.780	–	RP
521	2+163.991	10.580		–	PT
522	2+164.328		16.900	8.170	PT
523	2+164.341		12.050	–	RP
524	2+164.351		7.200	8.461	POT
525	2+167.986		8.850	8.512	PC
526	2+183.682		7.200	8.558	POT
		PLAN 4			
		PLAN 5			
527	2+199.203		7.200	8.635	POT
528	2+218.191		7.200	8.730	POT
529	2+230.098	7.250		8.784	POT
530	2+240.045	19.290		–	RP
531	2+240.047	7.250		8.818	PC
532	2+244.220		7.200	8.831	POT
533	2+245.898	8.770		8.730	CURVE
534	2+248.402	10.630		8.685	RAMP/CURVE–ELEV
535	2+250.274	12.940		8.642	CURVE
536	2+252.077	18.850		8.699	PT
537	2+252.120	20.010		–	MATCH TBC
538	2+258.345		7.200	8.857	POT
539	2+259.690	19.660		8.724	PC
540	2+261.132	13.490		8.641	CURVE
541	2+263.621	10.320		8.711	RAMP/CURVE–ELEV
542	2+265.494	8.930		8.752	CURVE
543	2+271.568	7.250		8.862	PRC
544	2+271.571	19.290		–	RP
545	2+279.169		7.200	8.859	POT
546	2+283.052	7.300		–	PI
547	2+294.349		7.200	8.833	POT
548	2+294.538	7.250		8.833	PT
549	2+300.975	10.210		8.754	POT
550	2+304.386		10.390	8.739	POT
551	2+314.708	10.200		8.702	POT
552	2+318.670		10.350	8.681	POT
553	2+324.881	7.250		8.712	PC
554	2+324.905		7.210	8.711	POT
555	2+355.941		7.200	8.556	POT
556	2+355.941	7.250		8.555	PT
557	2+388.254		7.200	8.396	POT
558	2+401.721		7.200	8.348	POT
559	2+449.901		12.750	8.216	POT
		PLAN 5			
		PLAN 6			
560	2+480.000	0.950		–	PT
561	2+480.000	0.050		–	PC
562	2+480.000	0.500		–	RP
563	2+493.705		12.750	8.389	POT
564	2+509.115		12.750	8.467	PC
565	2+509.116		22.150	–	RP
566	2+513.747		13.970	8.389	CURVE
567	2+515.660		15.400	8.357	RAMP/CURVE–ELEV.
568	2+517.179		17.310	8.324	CURVE
569	2+518.516		21.910	8.259	POT
570	2+518.548		24.130	–	MATCH TBC
571	2+526.926		21.790	8.259	PC
572	2+526.958		24.000	–	MATCH TBC
573	2+528.301		17.240	8.369	CURVE
574	2+529.798		15.380	8.424	RAMP/CURVE–ELEV
575	2+531.723		13.950	8.480	CURVE
576	2+536.318		12.750	8.590	PT
577	2+536.319		22.150	–	RP
578	2+564.495	7.250		–	PC
579	2+564.496	16.800		–	RP
580	2+566.750		12.750	8.742	PC
581	2+566.836		24.490	–	RP
582	2+569.000	0.500		–	RP
583	2+569.000	0.950		–	PC
584	2+569.000	0.050		–	PT
590	2+571.929		13.910	–	RAMP
585	2+572.867	12.200		–	RAMP
586	2+573.624	14.000		–	PT
587	2+573.996	15.210		–	MATCH TBC
588	2+574.196		15.340	–	PT
589	2+449.946		7.250	8.326	POT TBC

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\PLAN–offset.dwg		
PLOT: PSPACE 1=1 OR MSPACE 1=250(F)		Sun, 18/Mar/01 12:43PM
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RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

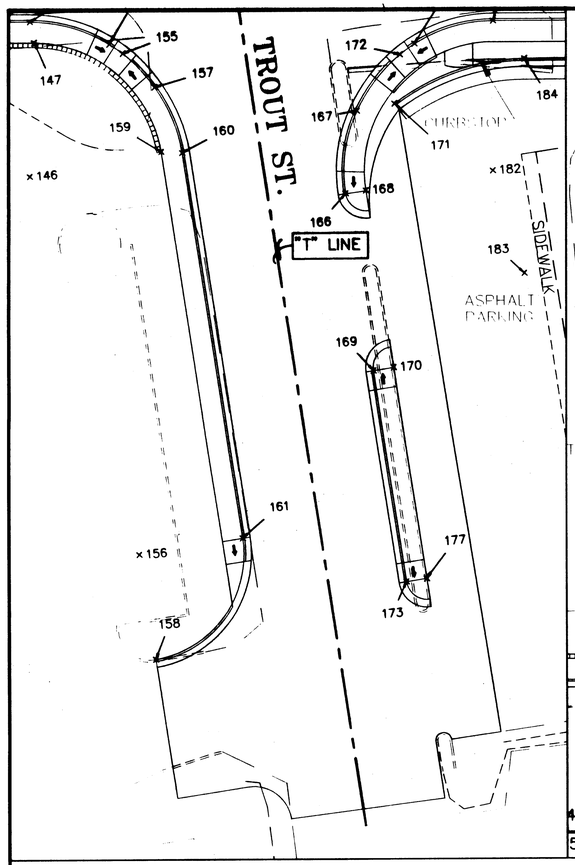
JUNEAU — ALASKA

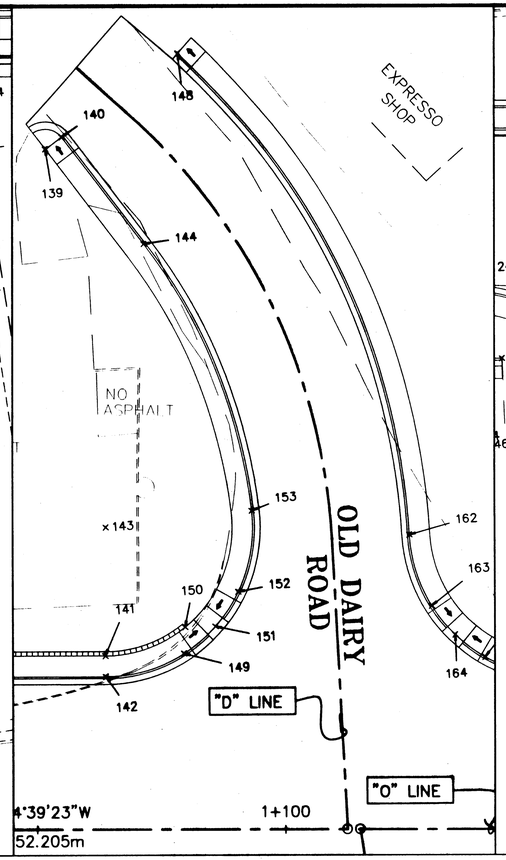
JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–000S(90) ~ PROJECT NO. 69755

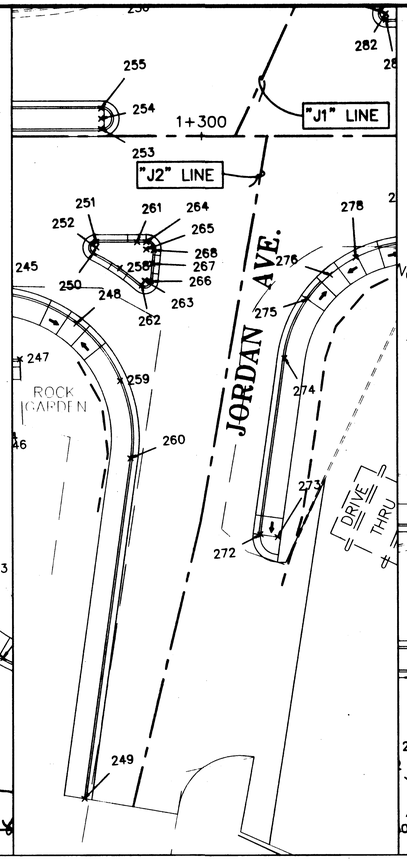
LAYOUT POINT PLANS

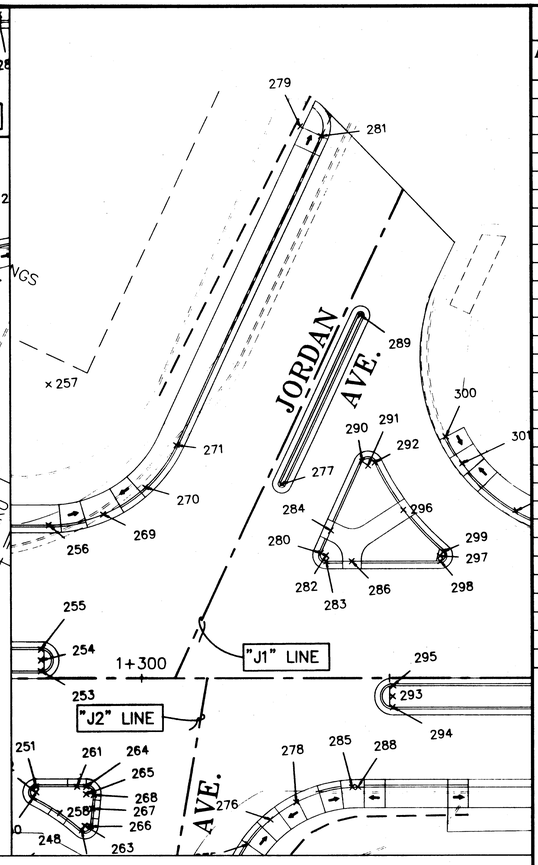
DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F23

3-12-01
STATE OF ALASKA
49th
REGISTERED PROFESSIONAL ENGINEER
CE-8065









LAYOUT POINT TABLE

POINT NO.	STATION	OFFSET LEFT	OFFSET RIGHT	ELEVATION	DESCRIPTION
153	"D" 1+026.150	6.252		9.279	PCC
133	"D" 1+039.584	6.250		–	CURVE_MIDPOINT
144	"D" 1+053.017	6.250		8.954	PT
140	"D" 1+064.954	4.981		–	PC
139	"D" 1+065.288	6.598		–	RP
148	"D" 1+062.459		6.250	–	MATCH TBC
132	"D" 1+042.793		6.250	–	CURVE_MIDPOINT
162	"D" 1+023.127		6.251	9.316	PRC
160	"T" 1+021.997		6.250	9.188	PT
161	"T" 1+053.495		6.250	8.701	PC
156	"T" 1+053.495		14.650	–	RP
177	"T" 1+059.003	7.897		8.713	RP
173	"T" 1+058.995	6.250		8.680	PT
169	"T" 1+041.810	6.250		8.814	PC
170	"T" 1+041.810	7.900		8.847	RP
166	"T" 1+027.307	6.250		9.034	PCC
168	"T" 1+027.310	7.900		9.067	RP
159	"T" 1+021.658		7.900	9.231	WALL B1
260	"J2" 1+027.000		5.625	7.886	PT
249	"J2" 1+054.800		3.987	8.080	POT
273	"J2" 1+031.711	7.025		–	RP
272	"J2" 1+031.711	5.624		8.281	PT
274	"J2" 1+017.353	5.625		7.980	PC
259	"J2" 1+020.977		7.308	8.011	CURVE
275	"J2" 1+012.364	6.840		8.030	CURVE
271	"J1" 1+017.035	7.829		7.992	PT
281	"J1" 1+044.551	7.829		8.148	PC
279	"J1" 1+044.551	9.679		–	RP
277	"J1" 1+017.763		1.221	8.127	RP
289	"J1" 1+032.764		1.221	8.053	RP
291	"J1" 1+022.079		6.877	–	RP
270	"J1" 1+012.838	8.629		8.062	CURVE

TROUT STREET

OLD DAIRY ROAD

JORDAN AVE. NORTH

JORDAN AVE. SOUTH

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\PLAN–offset.dwg		
PLOT: PSPACE 1=1 OR MSPACE 1=250(F)		Sun, 18/Mar/01 12:44PM
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

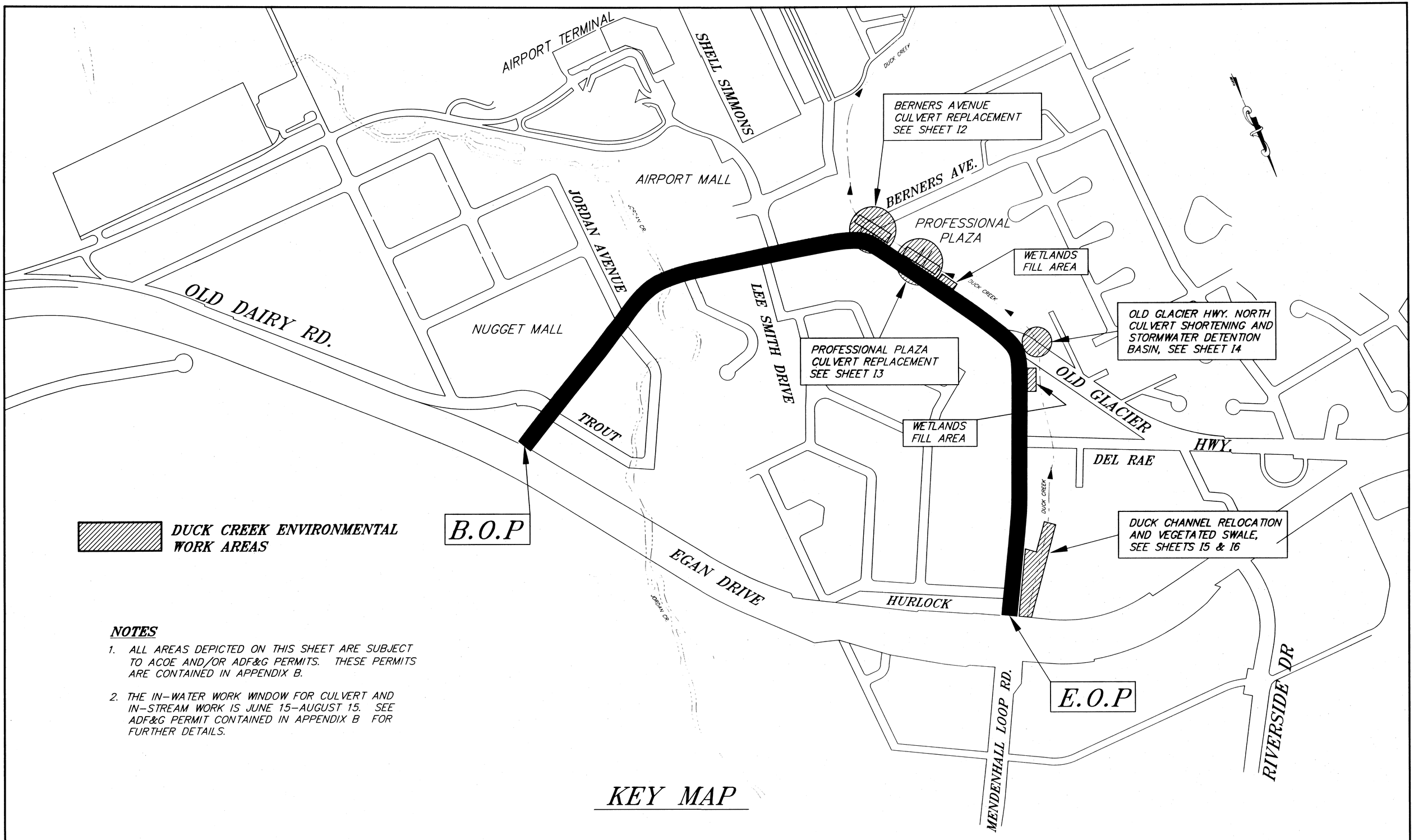
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755

LAYOUT POINT PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET F24

3-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER



DUCK CREEK ENVIRONMENTAL WORK AREAS

NOTES

1. ALL AREAS DEPICTED ON THIS SHEET ARE SUBJECT TO ACOE AND/OR ADF&G PERMITS. THESE PERMITS ARE CONTAINED IN APPENDIX B.
2. THE IN-WATER WORK WINDOW FOR CULVERT AND IN-STREAM WORK IS JUNE 15-AUGUST 15. SEE ADF&G PERMIT CONTAINED IN APPENDIX B FOR FURTHER DETAILS.

KEY MAP

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Duckplan.dwg Sun, 18/Mar/01 01:15PM		
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RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

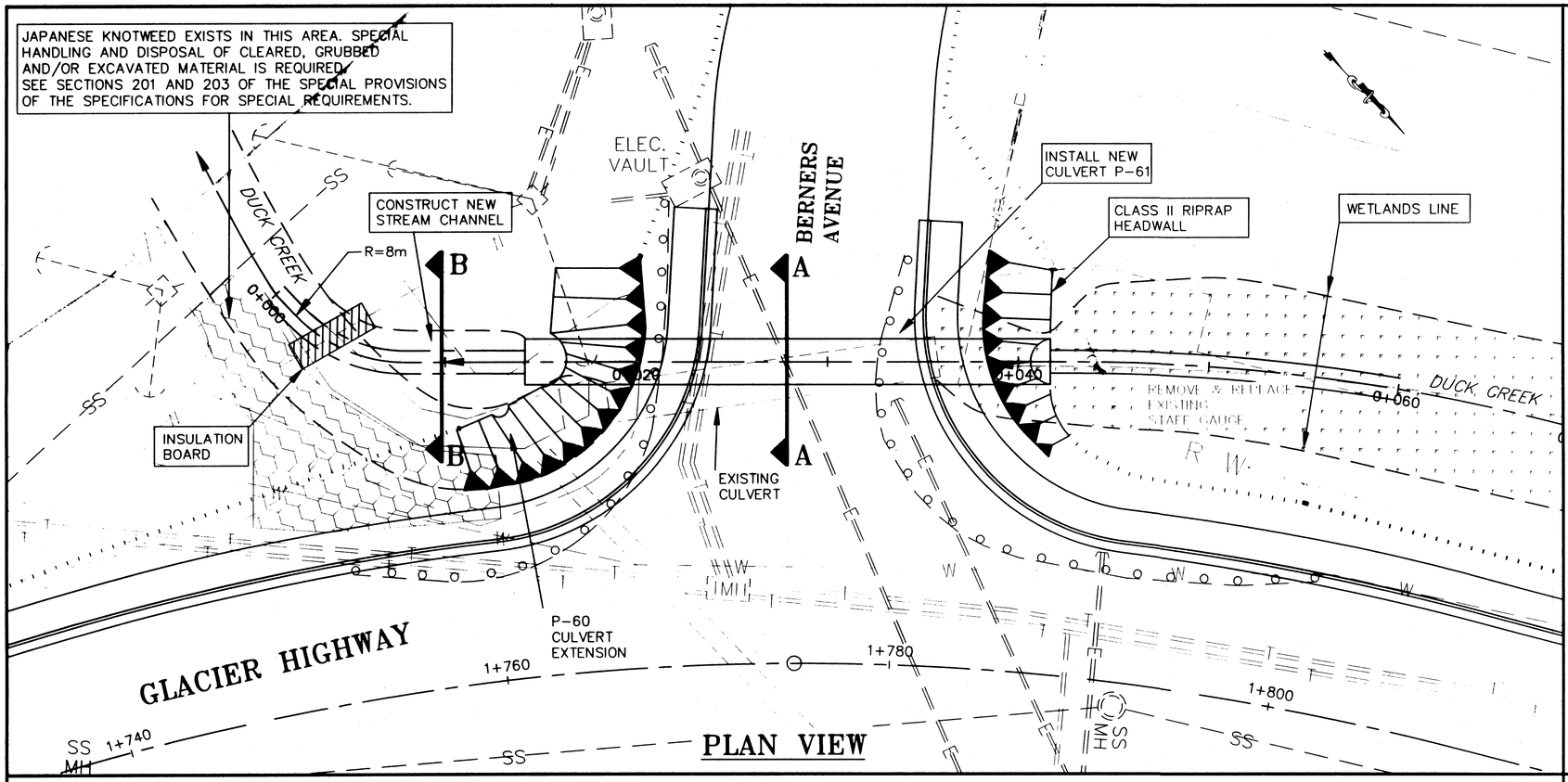
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755
DUCK CREEK ENVIRONMENTAL WORK
KEY MAP

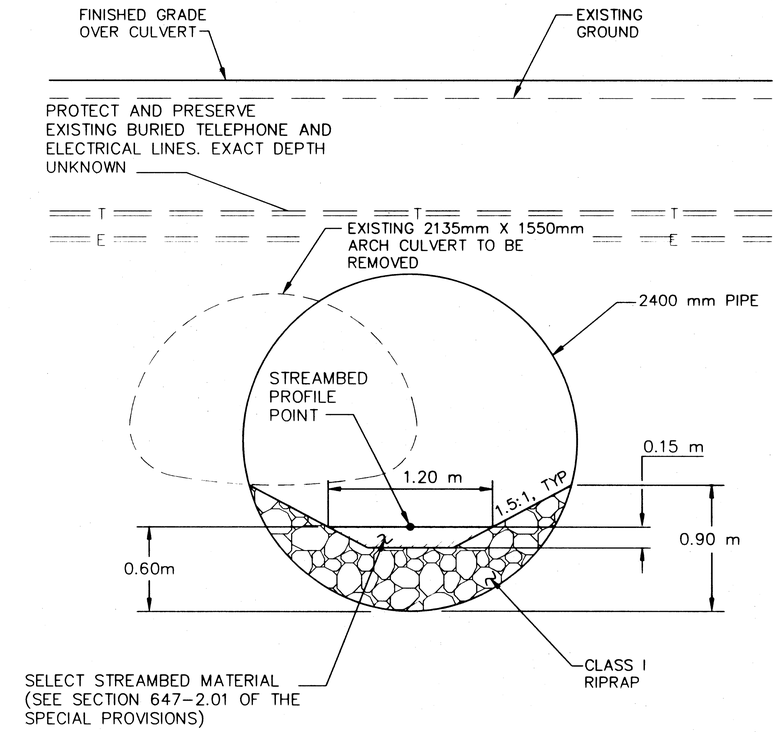
DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET 11

3-12-01
STATE OF ALASKA
49th
Lyn R Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER

JAPANESE KNOTWEED EXISTS IN THIS AREA. SPECIAL HANDLING AND DISPOSAL OF CLEARED, GRUBBED AND/OR EXCAVATED MATERIAL IS REQUIRED. SEE SECTIONS 201 AND 203 OF THE SPECIAL PROVISIONS OF THE SPECIFICATIONS FOR SPECIAL REQUIREMENTS.



PLAN VIEW

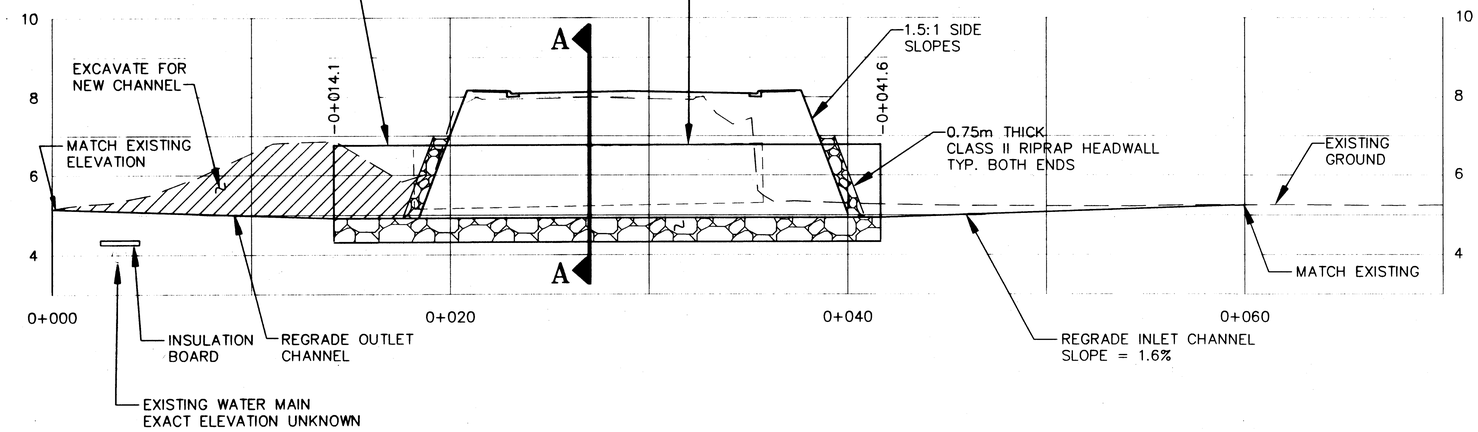


SECTION A-A

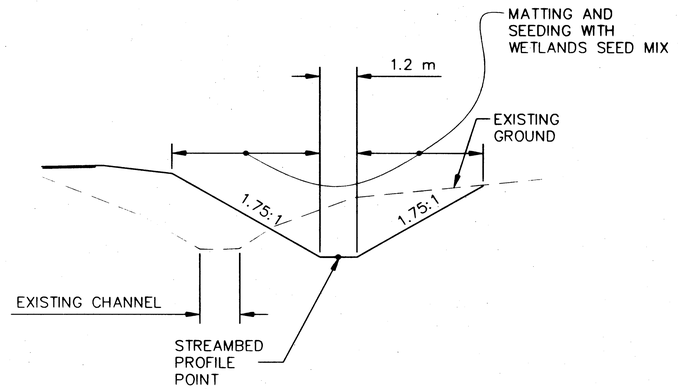
2400mm PIPE
LENGTH = 27.45m
SLOPE = 0.22%
STREAMBED ELEV @ INLET = 4.960m
STREAMBED ELEV @ OUTLET = 4.900m

EXISTING 2135mm X 1550mm ARCH PIPE
LENGTH = 17.5m
SLOPE = 0.91%
INLET ELEV = 5.307m
OUTLET ELEV = 5.148m

HYDRAULIC SUMMARY			
DRAINAGE AREA 1.9 SQ. MILE (PRELIMINARY FIGURE PROVIDED BY USGS)			
EXCEEDANCE PROBABILITY	2%	1%	0.2%
RETURN PERIOD	Q_{50}	Q_{100}	Q_{500}
DESIGN DISCHARGE	54 CFS	126 CFS	152 CFS
DESIGN HIGH WATER ELEVATION	5.54m	6.00m	6.15m



CULVERT AND STREAMBED PROFILE



SECTION B-B

STA. 0+000 TO 0+014 AND 0+042 TO 0+060

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

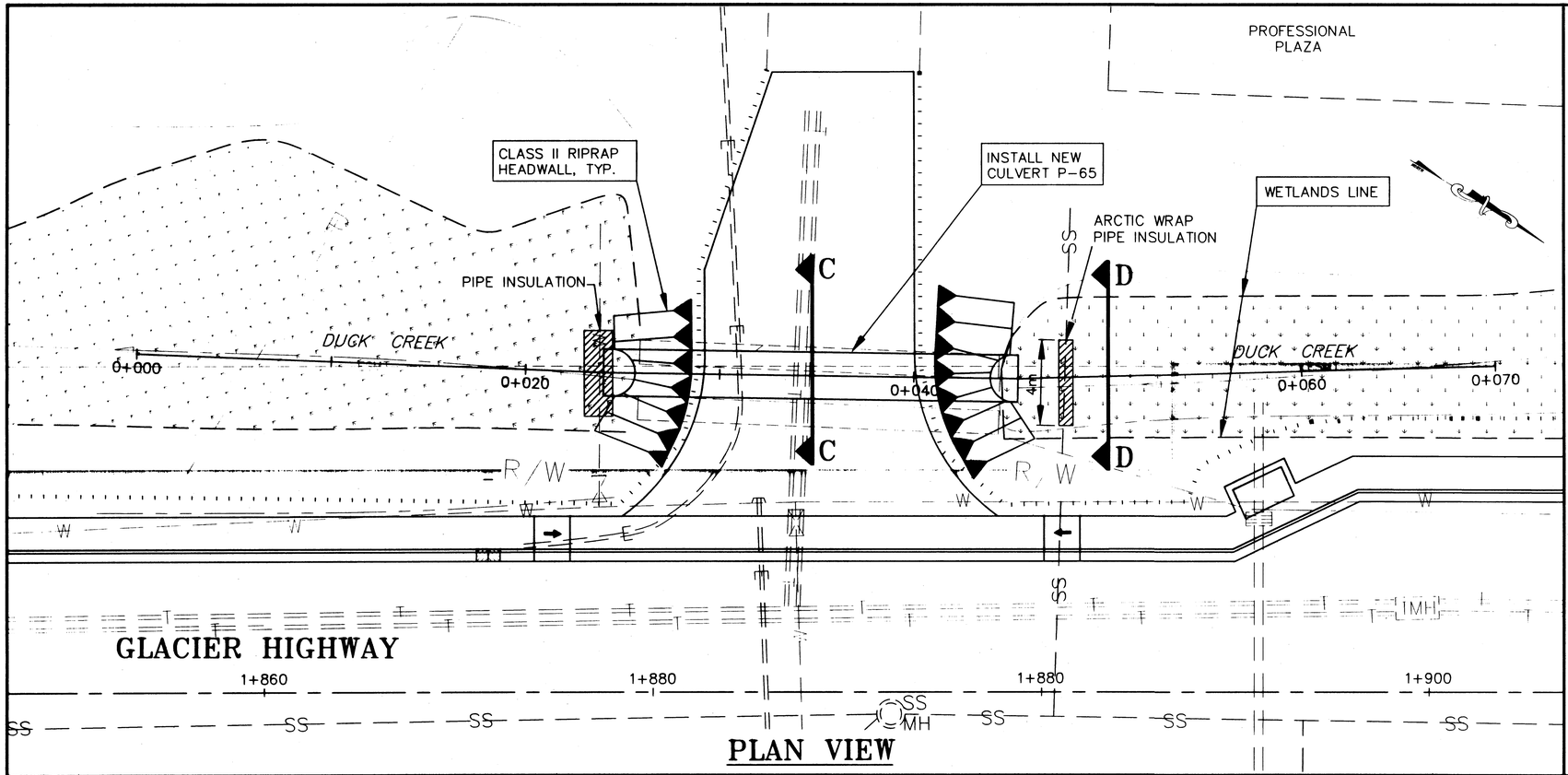
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

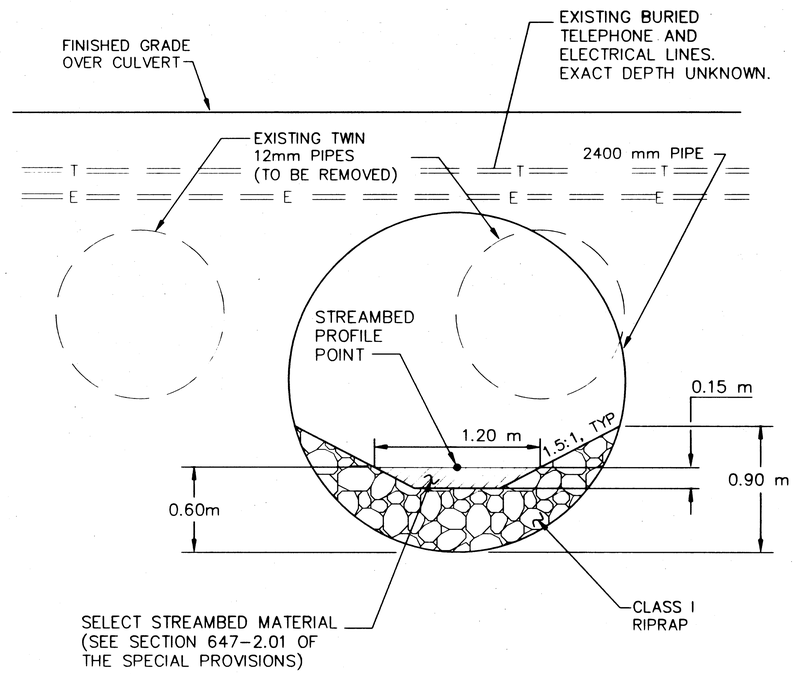
JUNEAU — JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD — ALASKA
FED. NO. STP-F-M-000S(90) ~ PROJECT NO. 69755
CULVERT INSTALLATION PLAN

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./B.B./M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET 12

3-12-01 STATE OF ALASKA 49th Kara Lynn Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER

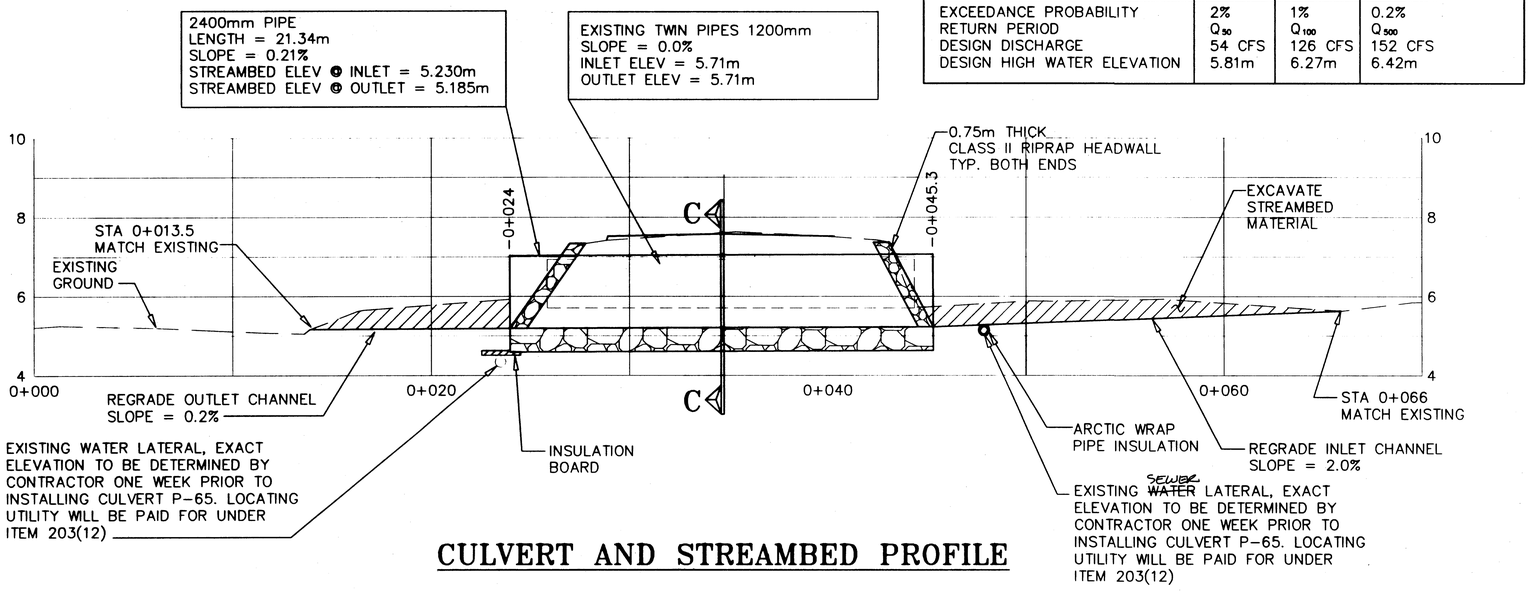


PLAN VIEW

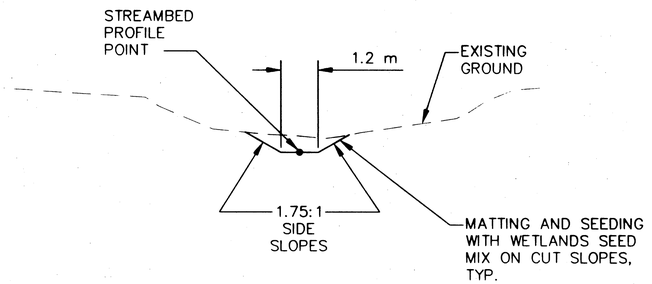


SECTION C-C

HYDRAULIC SUMMARY			
DRAINAGE AREA 1.9 SQ. MILE (PRELIMINARY FIGURE PROVIDED BY USGS)			
EXCEEDANCE PROBABILITY	2%	1%	0.2%
RETURN PERIOD	Q_{50}	Q_{100}	Q_{500}
DESIGN DISCHARGE	54 CFS	126 CFS	152 CFS
DESIGN HIGH WATER ELEVATION	5.81m	6.27m	6.42m



CULVERT AND STREAMBED PROFILE



SECTION D-D

STA. 0+013.5 TO 0+024 AND
0+045.3 TO 0+066

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

PATH: Q:\Jnu\69755\Planset\Fsh-cmp.dwg Sun, 18/Mar/01 01:16PM
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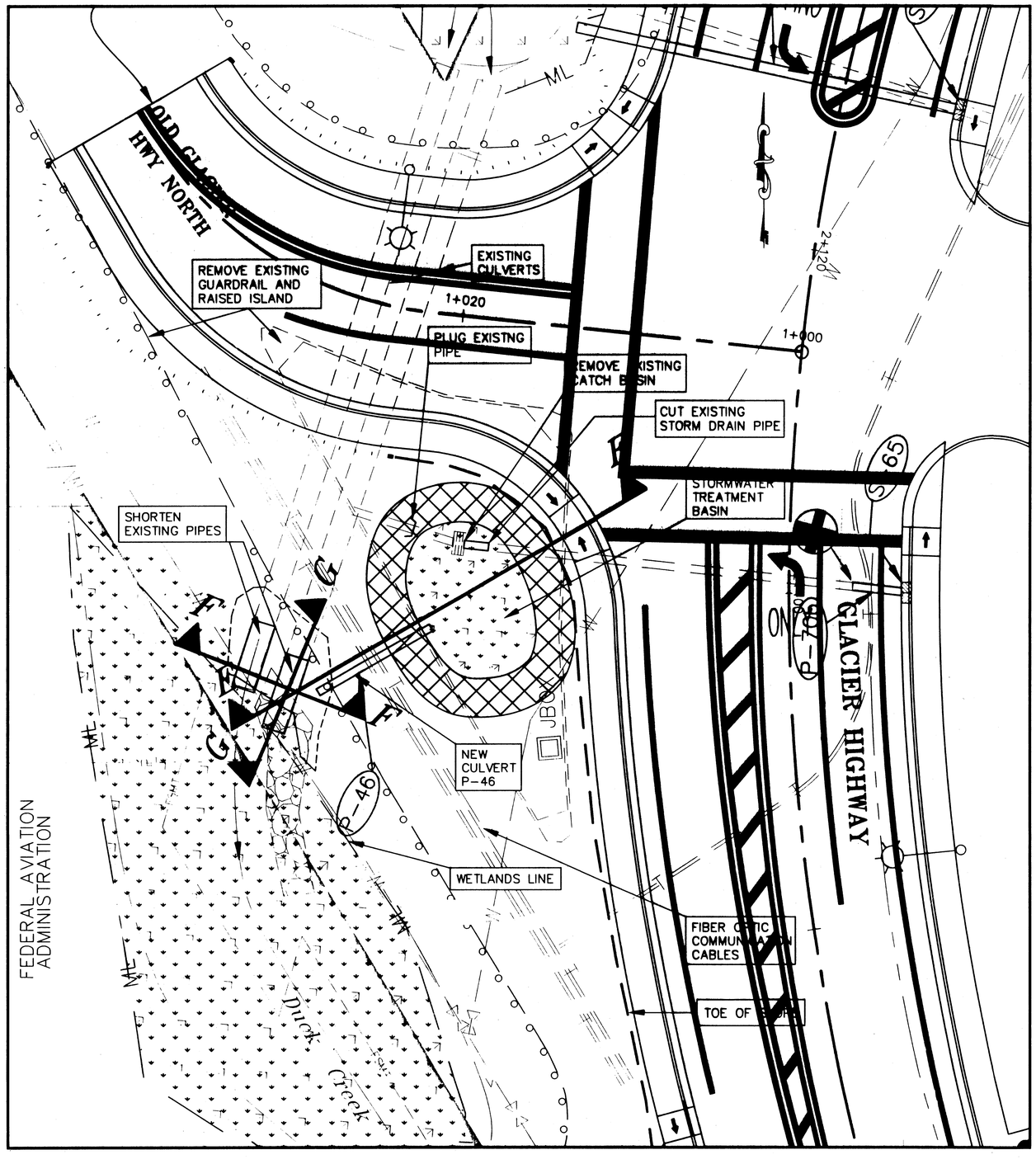
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

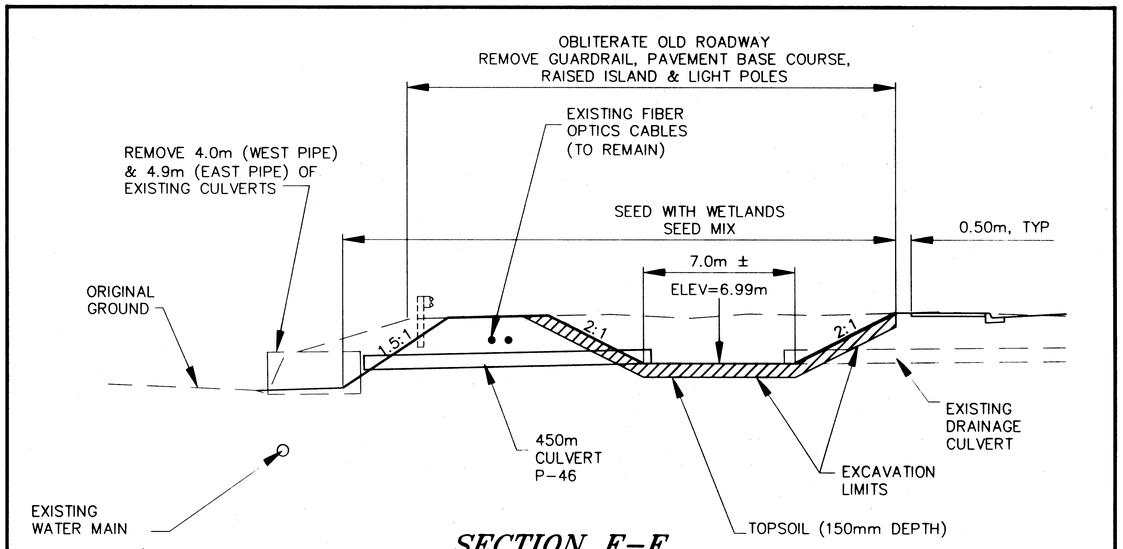
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755
CULVERT INSTALLATION PLAN

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./B.B/M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET 13

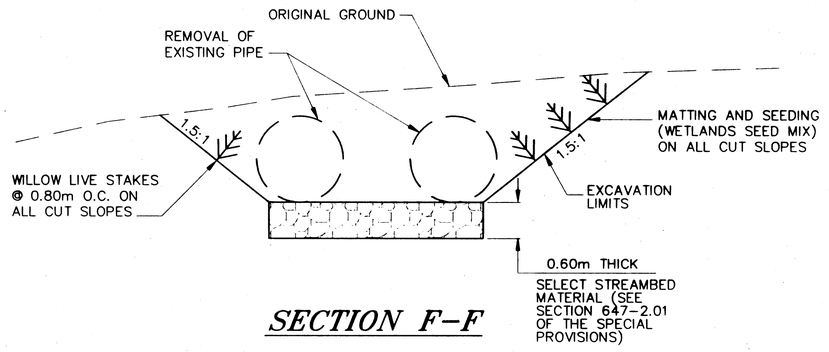
3-12-01
STATE OF ALASKA
49th
Lee Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



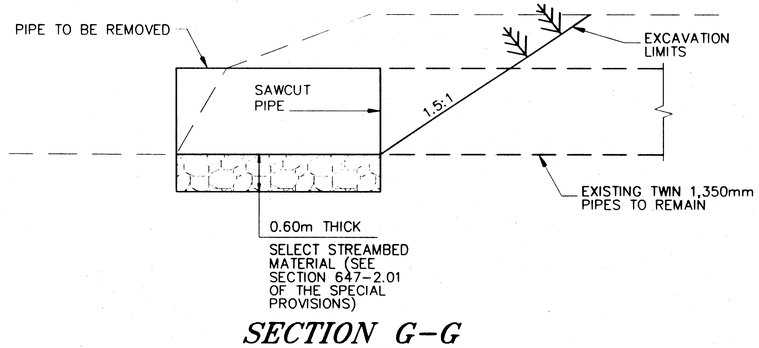
STORMWATER TREATMENT BASIN PLAN



SECTION E-E



SECTION F-F



SECTION G-G

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

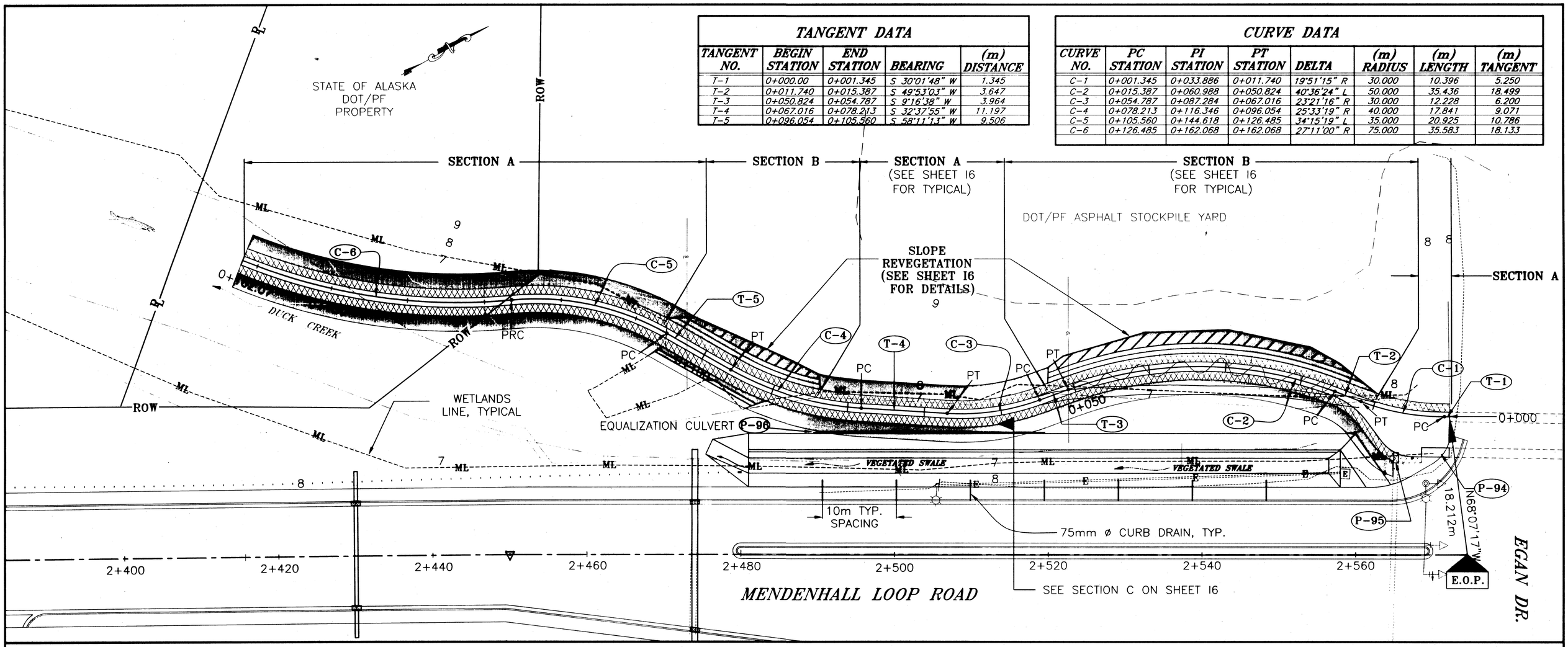
STORMWATER TREATMENT BASIN DETAILS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R.S./B.B.	DATE: 2001
CHECKED BY: T. MOORE	SHEET 14

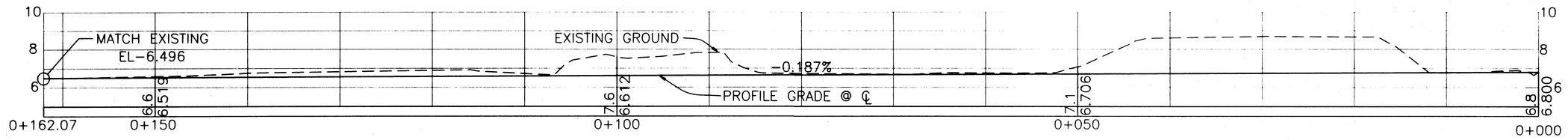
3-12-01 STATE OF ALASKA 49th Lyle R. Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER

TANGENT DATA				
TANGENT NO.	BEGIN STATION	END STATION	BEARING	(m) DISTANCE
T-1	0+000.00	0+001.345	S 30°01'48" W	1.345
T-2	0+011.740	0+015.387	S 49°53'03" W	3.647
T-3	0+050.824	0+054.787	S 9°16'38" W	3.964
T-4	0+067.016	0+078.213	S 32°37'55" W	11.197
T-5	0+096.054	0+105.560	S 58°11'13" W	9.506

CURVE DATA							
CURVE NO.	PC STATION	PI STATION	PT STATION	DELTA	(m) RADIUS	(m) LENGTH	(m) TANGENT
C-1	0+001.345	0+033.886	0+011.740	19°51'15" R	30.000	10.396	5.250
C-2	0+015.387	0+060.988	0+050.824	40°36'24" L	50.000	35.436	18.499
C-3	0+054.787	0+087.284	0+067.016	23°21'16" R	30.000	12.228	6.200
C-4	0+078.213	0+116.346	0+096.054	25°33'19" R	40.000	17.841	9.071
C-5	0+105.560	0+144.618	0+126.485	34°15'19" L	35.000	20.925	10.786
C-6	0+126.485	0+162.068	0+162.068	27°11'00" R	75.000	35.583	18.133



PLAN VIEW



PROFILE

PATH: Q:\Jnu\69755\Planset\Duckcrrealign1.dwg Sun, 18/Mar/01 01:19PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=500(F) VIEWS: P1, PR1, T1		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

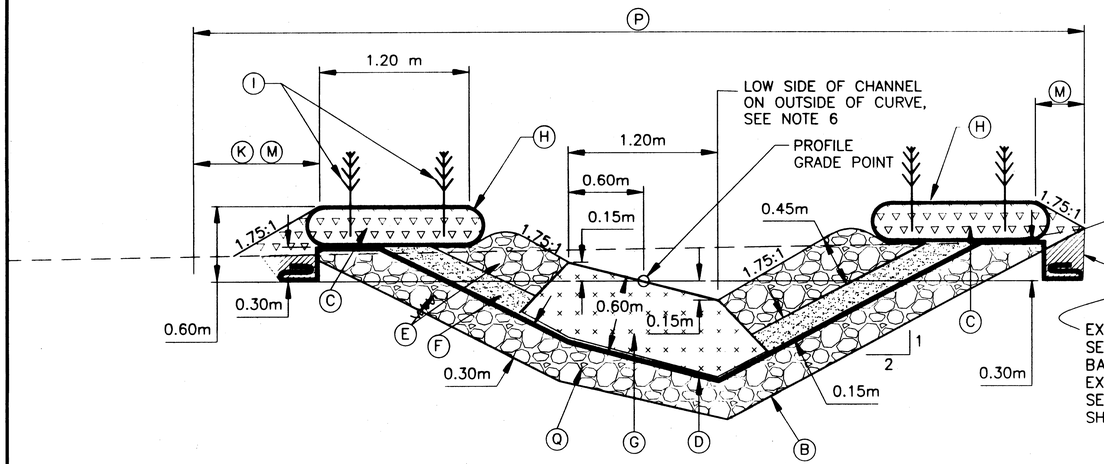
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

DUCK CREEK RELOCATION PLANS

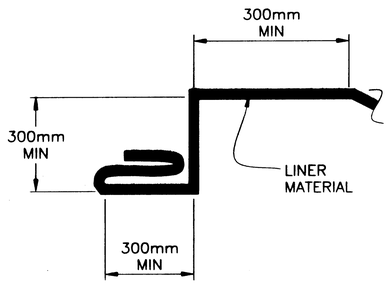
DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M. LIMBAUGH	DATE: 2001
CHECKED BY: T. MOORE	SHEET 15

STATE OF ALASKA
19th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER

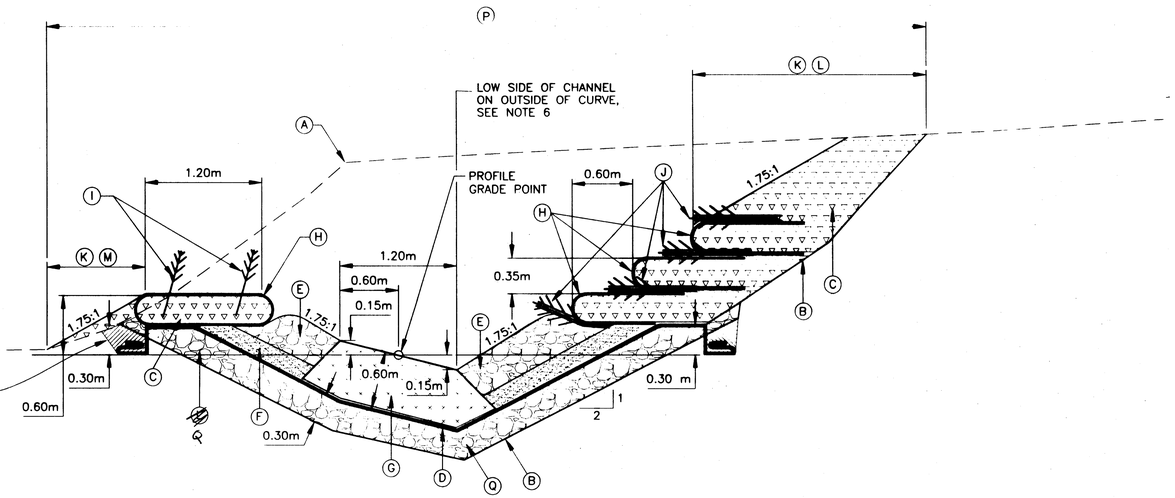


EXCAVATE TRENCH FOR SECURING END OF LINER. BACKFILL AND COMPACT WITH EXISTING MATERIAL, TYPICAL. SEE DETAIL AT LEFT OF SHEET.

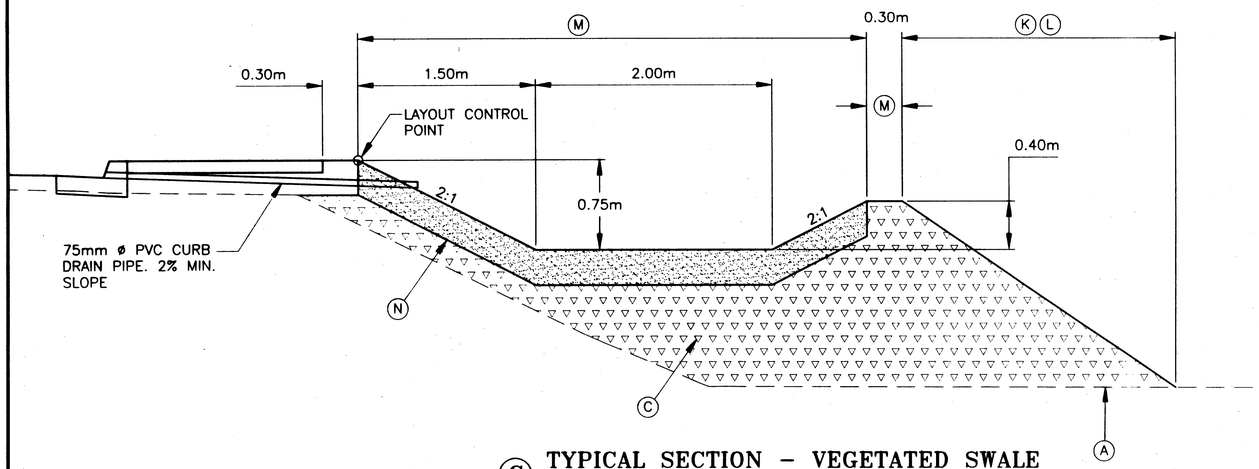
(A) TYPICAL SECTION



DETAIL



(B) TYPICAL SECTION



(C) TYPICAL SECTION – VEGETATED SWALE

LEGEND

- (A) ORIGINAL GROUND
- (B) EXCAVATION LIMITS
- (C) BACKFILL/EMBANKMENT
- (D) IMPERMEABLE CHANNEL LINER OR FILTER CLOTH
- (E) COBBLE "RIVER-RUN" 200mm MINUS
- (F) CUSHIONING MATERIAL (SAND)
- (G) SELECT STREAMBED MATERIAL (6-63mm)
- (H) COIR REINFORCED EARTH
- (I) WILLOW LIVE STAKES @ 0.80m O.C.
- (J) WILLOW LAYERING
- (K) MATTING
- (L) SEEDING
- (M) SEEDING W/WETLAND SEED MIX
- (N) 150mm TOPSOIL AND ROTOTILLED TO 300mm DEPTH
- (P) CLEARING AND GRUBBING (NO WORK OUTSIDE LIMITS)
- (Q) SUB-LINER MATERIAL

CONSTRUCTION NOTES:

1. WORK SHALL BE COMPLETED AND PAID FOR IN ACCORDANCE WITH SECTION 647.
2. TRANSITION BETWEEN TYPICAL SECTIONS SHALL BE CONSTRUCTED TO TIE WILLOWS LAYERS INTO EXISTING GROUND AS DIRECTED BY THE ENGINEER.
3. NEW CHANNEL SHALL BE KEPT DRY DURING EXCAVATION AND MITIGATION WORK.
4. PRIOR TO OPENING NEW CHANNEL TO RECEIVE DUCK CREEK FLOW, THE ENGINEER SHAL BE ALLOWED 10 DAYS FOR REVIEW AND APPROVAL.
5. LINER SEAMS SHALL BE PLACED PARALLEL TO THE STREAM CHANNEL.
6. BOTTOM OF CHANNEL, LOCATED WITHIN THE CURVE, SHALL BE FLAT ON TANGENT SECTIONS. CONSTRUCT 5.0m LONG TRANSITIONS LEADING INTO AND OUT OF TANGENTS. PROVIDE 10.0m LONG TRANSITION, CENTERED AT PRC, FOR REVERSE CURVES.

CHANNEL LINER SCHEDULE

STATIONS	LINER MATERIAL	SUB-LINER MATERIAL DEPTH
0+000 TO 0+101.110	36 MIL POLY	0.3m
0+101.110 TO 0+131.590	36 MIL POLY	0.0m
0+131.590 TO 0+162.070	FILTER CLOTH	0.0m

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Ducktyp.dwg Sun, 18/Mar/01 01:20PM
PLOT: PSPACE 1=1 OR MSPACE 1=250(F)

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

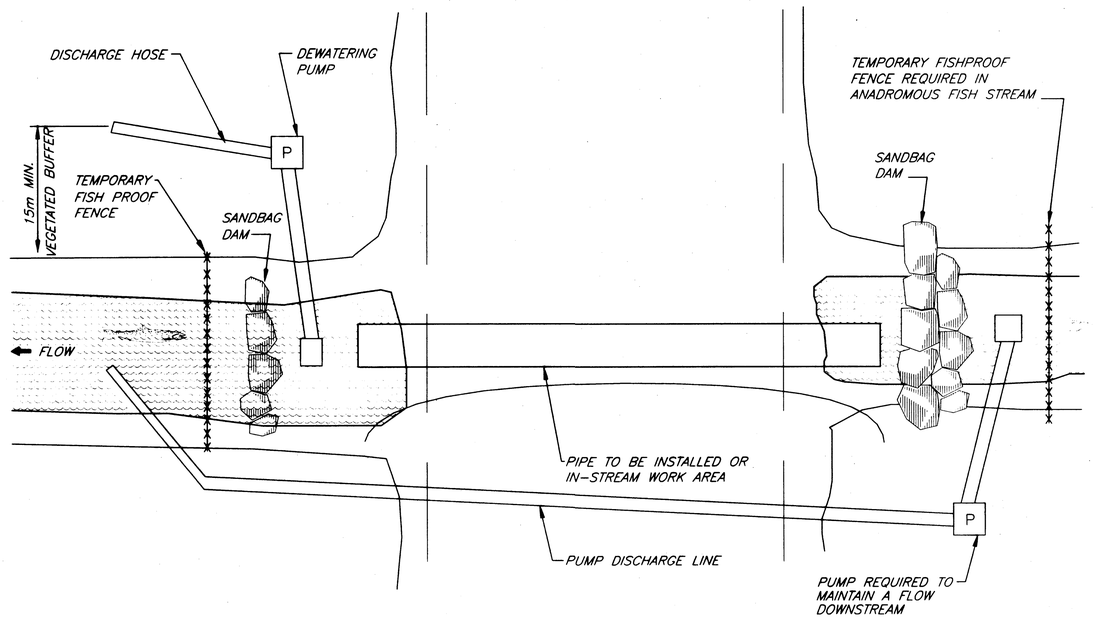
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU–GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

DUCK CREEK ENVIRONMENTAL DETAILS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: M.L.	DATE: 2001
CHECKED BY: T. MOORE	SHEET 16

3-12-01
STATE OF ALASKA
49th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



STREAM BYPASS PUMPING AND WORK AREA DEWATERING DETAIL

TO BE USED AT THE FOLLOWING LOCATIONS/WORK AREAS:

1.) BERNERS AVENUE CULVERT REPLACEMENT AND STREAM CHANNEL REGRADING.

2.) PROFESSIONAL PLAZA DRIVEWAY CULVERT REPLACEMENT AND STREAM CHANNEL REGRADING.

3.) OLD GLACIER HIGHWAY NORTH CULVERT SHORTENING/REMOVAL.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Erosiondet.dwg Mon, 19/Mar/01 08:21AM		
PLOT: PSPACE 1=1 OR MSPACE 1=250(F)		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90) ~ PROJECT NO. 69755

ENVIRONMENTAL DETAILS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET 17

3-12-01
STATE OF ALASKA
19th
REGISTERED PROFESSIONAL ENGINEER

BEGINNING OF PROJECT

OLD DAIRY ROAD

KOOTZNOOWOO PLAZA

NO ASPHALT

GRAVEL PARKING

ASPHALT PAVING

WEL FIGHT PET SHOP

OIL VENT

OIL FILLER

ML-1

"D" LINE

"O" LINE

1+000

1+100

1+200

GLACIER HIGHWAY

ASPHALT PATH

DRIVE THRU

"BP" LINE

TROUT STREET

ASPHALT PARKING

PROPANE TANKS

"T" LINE

METAL PIER

McDONALD'S

EGAN DRIVE

EROSION & SEDIMENT CONTROL PLAN NOTES

1. THE CONTRACTOR IS REQUIRED TO PRESENT A STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) 5 DAYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR'S S.W.P.P.P. SHALL INCLUDE, AT THE MINIMUM, HIS PROPOSED LOCATIONS FOR SPECIAL DITCHES, AND TEMPORARY CHECK DAMS, AS WELL AS ANY OTHER BEST MANAGEMENT PRACTICES THAT ARE APPROPRIATE. A MANUAL ENTITLED "BEST MANAGEMENT PRACTICES FOR CONSTRUCTION EROSION AND SEDIMENT CONTROL AND MAINTENANCE AND OPERATION ACTIVITIES" AND DATED JANUARY 1997 IS AVAILABLE FROM THE SOUTHEST REGIONAL OFFICE OF ADOT&PF.
2. THIS PROJECT IS LOCATED NEAR THE JUNEAU INTERNATIONAL AIRPORT AT N 6,469,500m, 524,400m E UTM ZONE 8 (LAT 58d22' N, LONG 134d35" W). JUNEAU IS SITUATED AT THE NORTHERN END OF THE ALEXANDER ARCHIPELLAGO IN A MILD MARITIME CLIMATOLOGICAL AREA. AVERAGE SUMMER TEMPERATURES RANGE FROM 44d F TO 65d F WITH AN EXTREME HIGH BEING 90d F. WINTER TEMPERATURES AVERAGE FROM 25d F TO 35d F WITH AND EXTREME LOW OF -25d F. AVERAGE RAINFALL AT THE JUNEAU AIRPORT IS 137cm (54"). THE AVERAGE SNOWFALL IN THE AREA IS 254cm (100").

LEGEND

- SILT FENCE
- PROFILE DRAINAGE PATTERN
- SURFACE DRAINAGE PATTERN
- CULVERT FLOW DIRECTION
- DITCH DRAINAGE PATTERN
- FISH HABITAT
- EXISTING CURB INLET
- ROCK CHECK DAM
- PROPOSED CURB INLET
- AREA DRAIN
- OIL/H2O SEPARATOR
- SLOPE STABILIZATION
- AREA OF LAND TO BE DISTURBED (EXPOSED SOIL)
- WETLANDS

...CONTINUATION OF NOTES

3. THE TOTAL AREA OF LAND TO BE DISTURBED IS ESTIMATED AT 6 HECTARES. THIS WILL REQUIRE THAT THE CONTRACTOR FILE FOR AUTHORIZATION TO USE THE 'NPDES' GENERAL PERMIT FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES PER SECTION 641 AND THAT THE CONTRACTOR'S STORM WATER POLLUTION PREVENTION PLAN BE PREPARED BY A STATE OF ALASKA LICENSED PROFESSIONAL ENGINEER.
4. JORDAN AND DUCK CREEKS ARE DESIGNATED AS WATER QUALITY IMPAIRED UNDER THE CLEAN WATER ACT AND FURTHER DEGRADATION DUE TO SEDIMENTATION IS NOT ALLOWED.
5. EXISTING DRAINAGE INLETS SHALL HAVE INLET PROTECTION (SEDIMENT BARRIERS) INSTALLED PRIOR TO REMOVING PAVEMENT.
6. NEW DRAINAGE STRUCTURES SHALL HAVE INLET PROTECTION (SEDIMENT BARRIERS) IMMEDIATELY AFTER PLACEMENT OF DRAINAGE STRUCTURE.
7. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED AT LEAST DAILY AND MAINTAINED UNTIL PAVING AND VEGETATION ESTABLISHMENT ARE COMPLETED. MAINTENANCE SHALL INCLUDE CLEANING OF COLLECTED SEDIMENT OR REPLACEMENT TO MAINTAIN EFFECTIVENESS.

PATH: Q:\Jnu\69755\Planset\Sedcont.dwg Sun, 18/Mar/01 01:23PM
PLOT: PS: 1=1(F) OR MS: 1:300(F) VIEWS: P1, T1 TAB: PLAN1

RECORD OF REVISIONS

BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

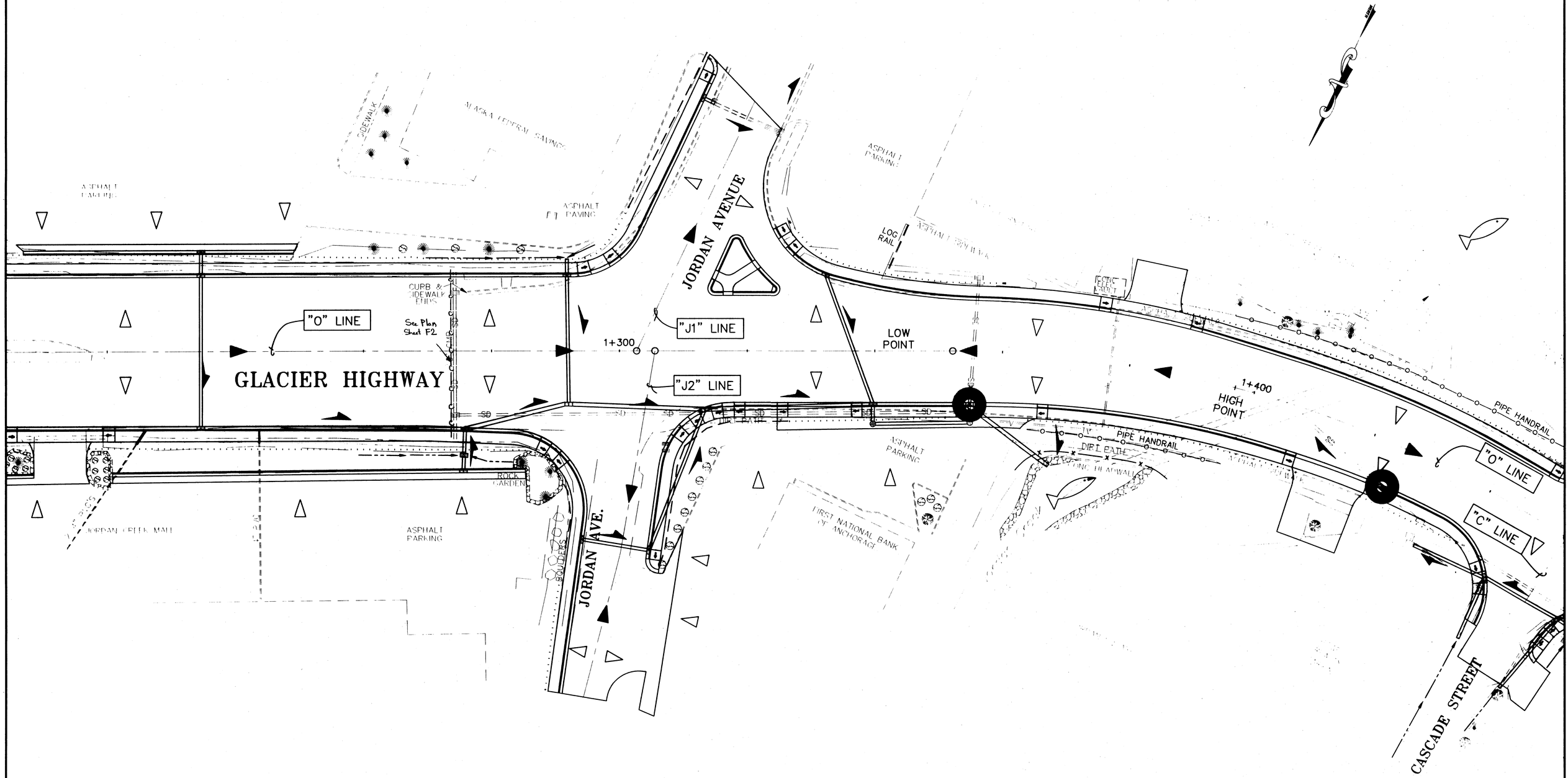
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755

EROSION & SEDIMENT CONTROL PLANS

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET P1

3-12-01
STATE OF ALASKA
19th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

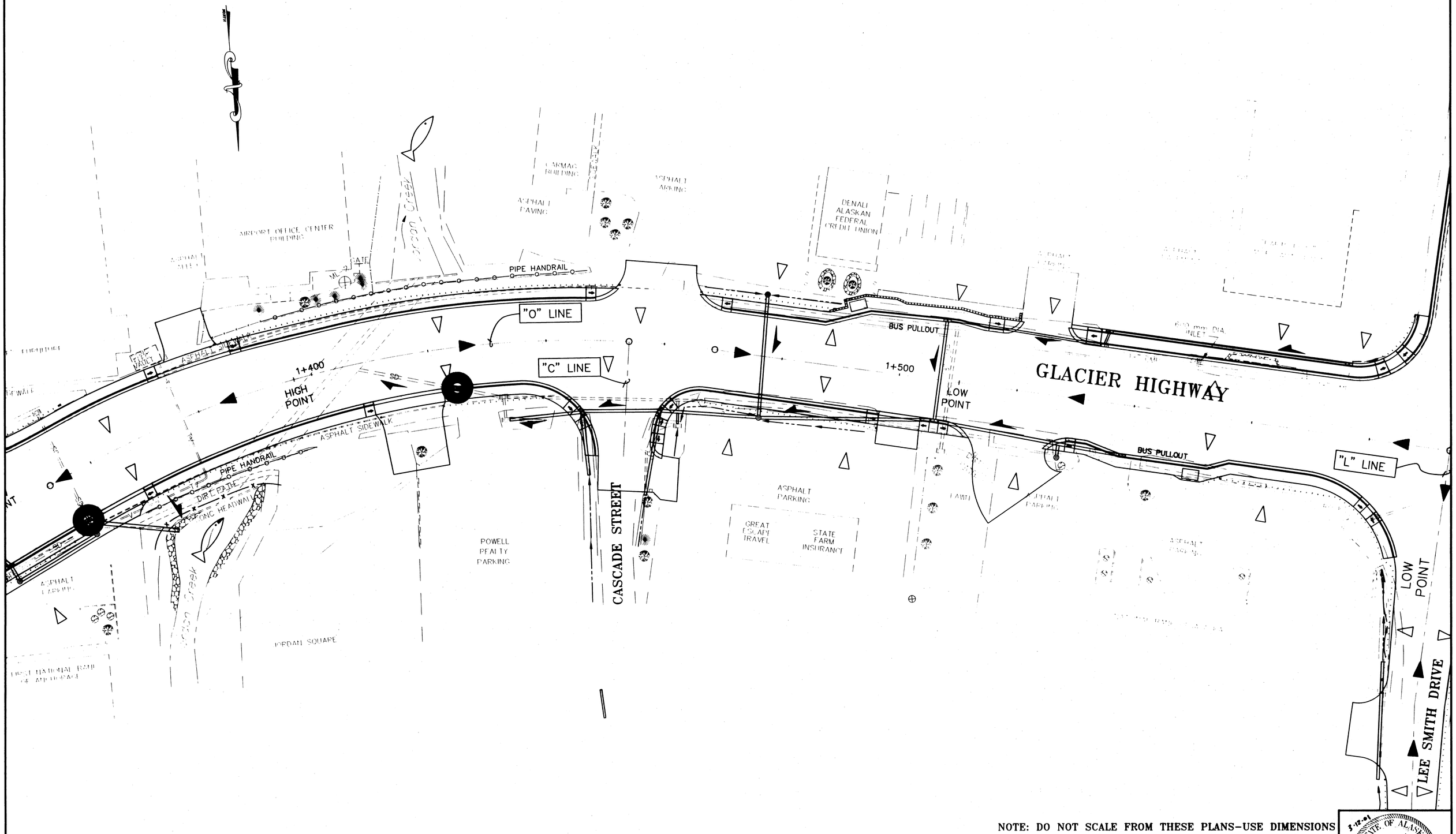
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–000S(90)~ PROJECT NO. 69755

EROSION & SEDIMENT CONTROL PLANS

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CHECKED BY: T. MOORE	SHEET P2

3-12-01
STATE OF ALASKA
19th
Lars R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



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BY:	DATE:	DESCRIPTION OF CHANGE:

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

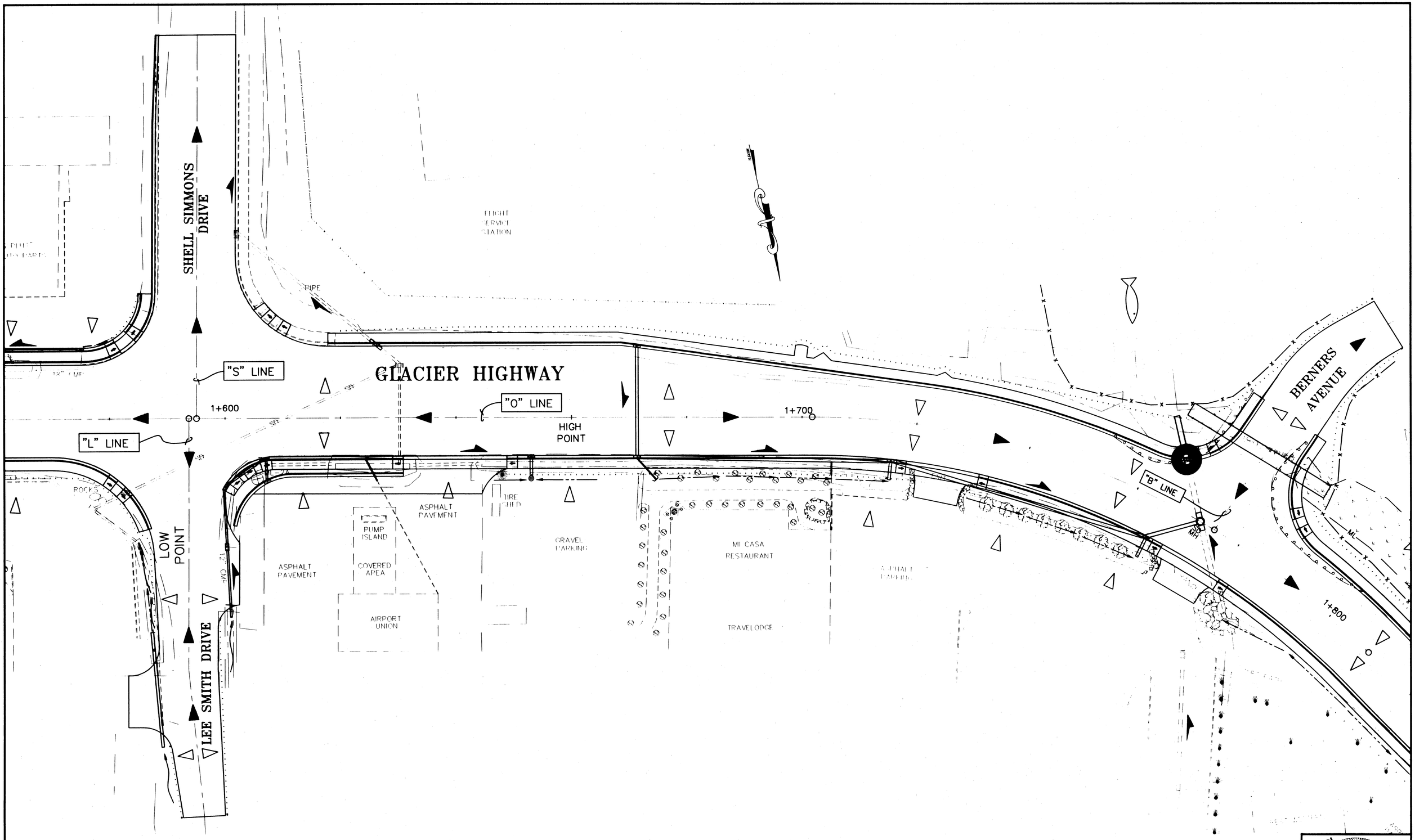
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90)~ PROJECT NO. 69755

EROSION & SEDIMENT CONTROL PLANS

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *P3*

3-18-01
STATE OF ALASKA
19th
Lee R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

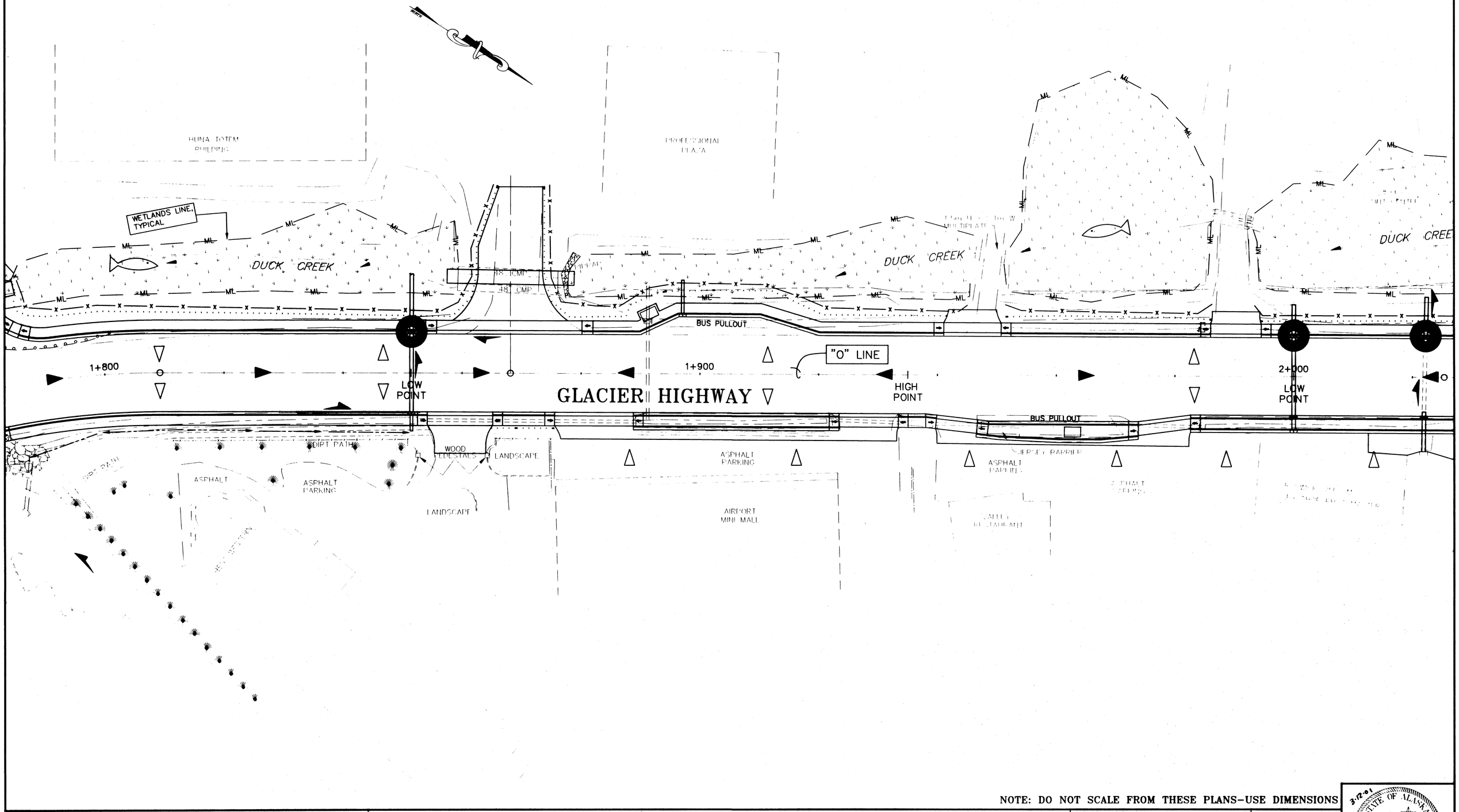
JUNEAU — *ALASKA*

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–000S(90)~ PROJECT NO. 69755

EROSION & SEDIMENT CONTROL PLANS

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *P4*

3-12-01
STATE OF ALASKA
19th
Lars R. Gregovich
CL 8065
REGISTERED PROFESSIONAL ENGINEER



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DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

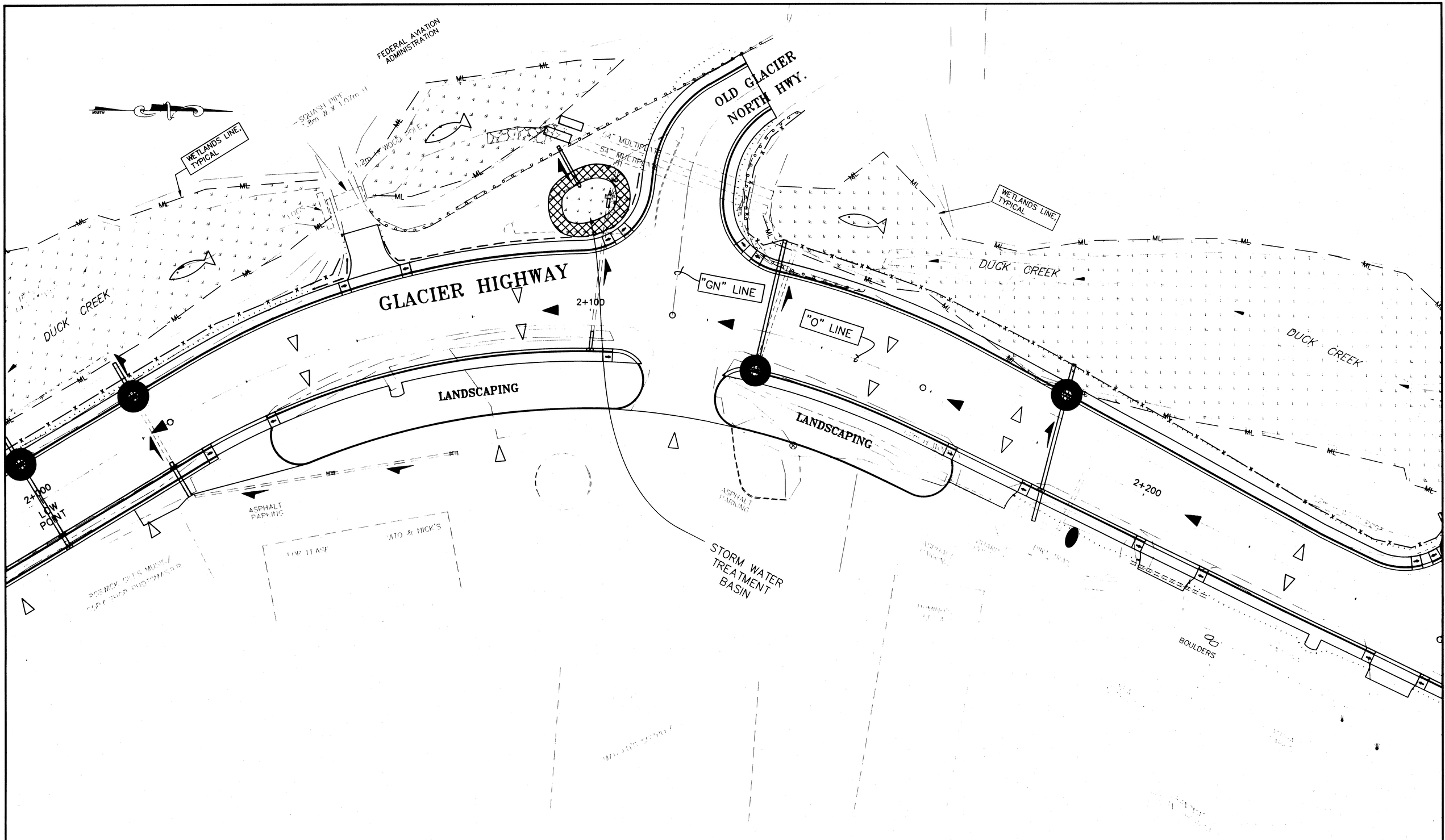
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
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EROSION & SEDIMENT CONTROL PLANS

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *P5*

3-12-01
STATE OF ALASKA
19th
Lars R. Gregovich
LS 8005
REGISTERED PROFESSIONAL ENGINEER



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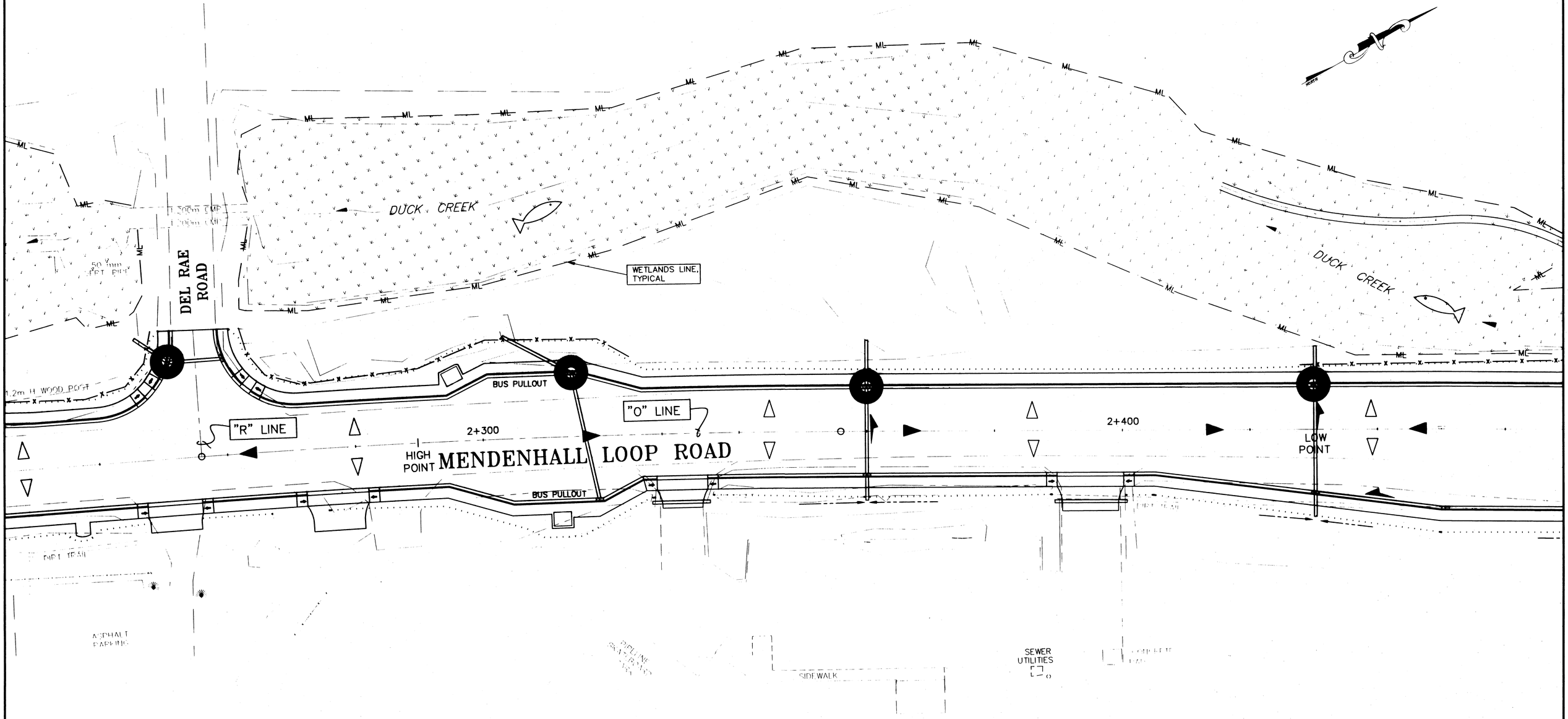
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU–GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90)~ PROJECT NO. 69755

EROSION & SEDIMENT CONTROL PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET P6

3-12-01
STATE OF ALASKA
19th
Lora R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

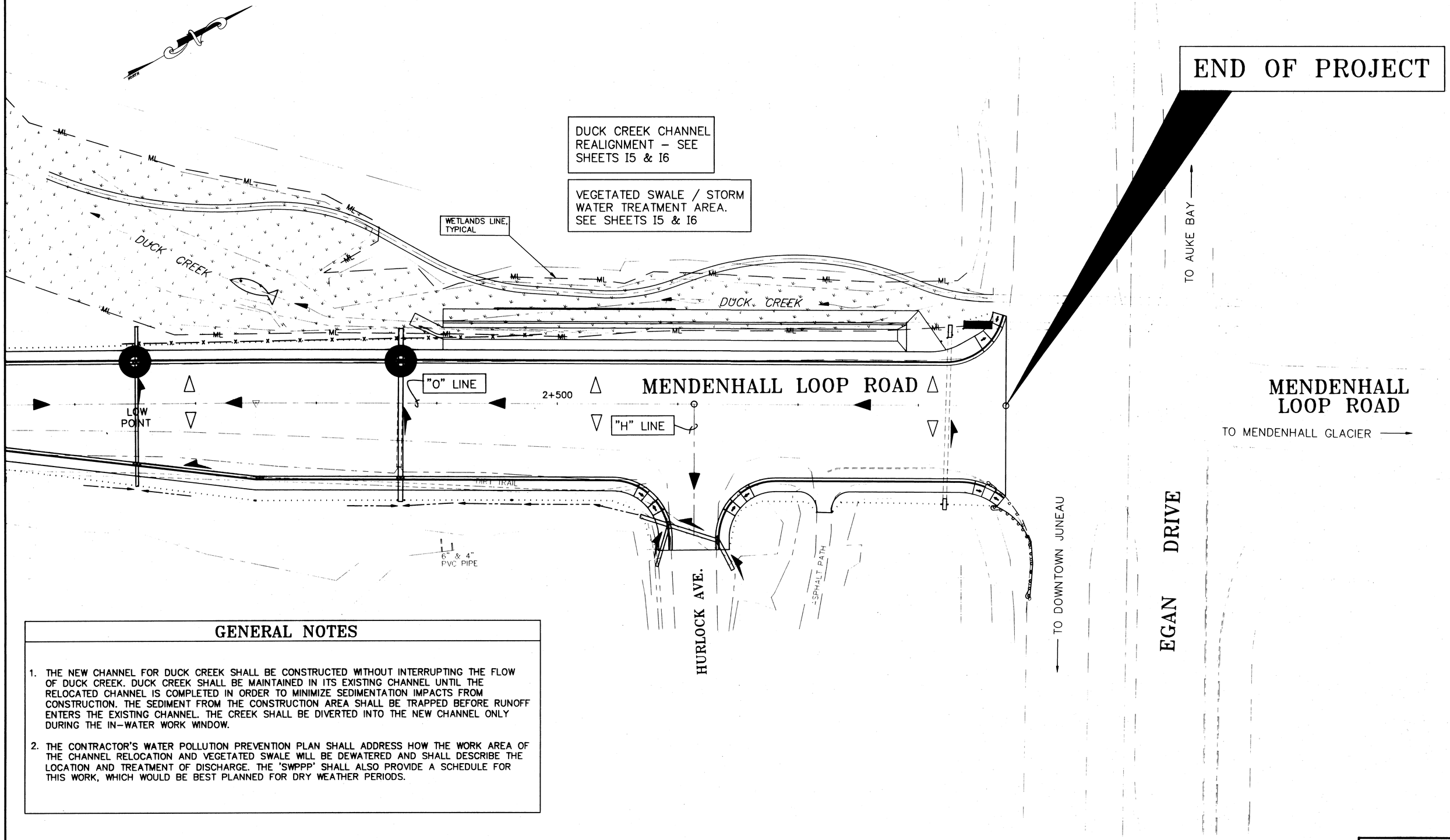
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

EROSION & SEDIMENT CONTROL PLANS

DESIGNED BY: *L. GREGOVICH*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *T. MOORE*	SHEET *P7*

3-12-01
STATE OF ALASKA
49th
Lynn R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



GENERAL NOTES

1. THE NEW CHANNEL FOR DUCK CREEK SHALL BE CONSTRUCTED WITHOUT INTERRUPTING THE FLOW OF DUCK CREEK. DUCK CREEK SHALL BE MAINTAINED IN ITS EXISTING CHANNEL UNTIL THE RELOCATED CHANNEL IS COMPLETED IN ORDER TO MINIMIZE SEDIMENTATION IMPACTS FROM CONSTRUCTION. THE SEDIMENT FROM THE CONSTRUCTION AREA SHALL BE TRAPPED BEFORE RUNOFF ENTERS THE EXISTING CHANNEL. THE CREEK SHALL BE DIVERTED INTO THE NEW CHANNEL ONLY DURING THE IN-WATER WORK WINDOW.
2. THE CONTRACTOR'S WATER POLLUTION PREVENTION PLAN SHALL ADDRESS HOW THE WORK AREA OF THE CHANNEL RELOCATION AND VEGETATED SWALE WILL BE DEWATERED AND SHALL DESCRIBE THE LOCATION AND TREATMENT OF DISCHARGE. THE 'SWPPP' SHALL ALSO PROVIDE A SCHEDULE FOR THIS WORK, WHICH WOULD BE BEST PLANNED FOR DRY WEATHER PERIODS.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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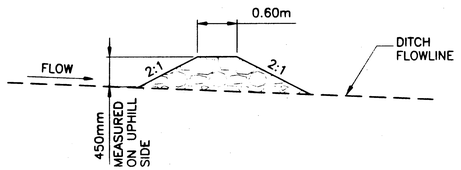
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755

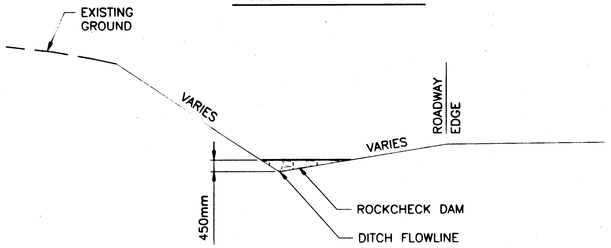
EROSION & SEDIMENT CONTROL PLANS

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET P8

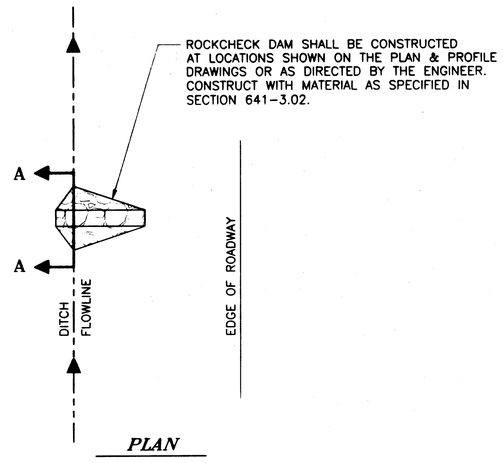
3-12-01
STATE OF ALASKA
19th
Lyne R. Gregovich
CE-8065
REGISTERED PROFESSIONAL ENGINEER



SECTION A–A

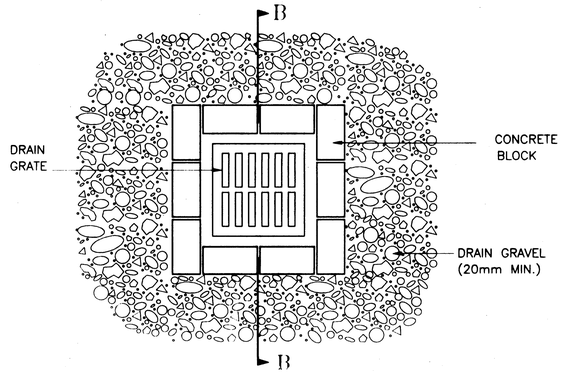


ELEVATION

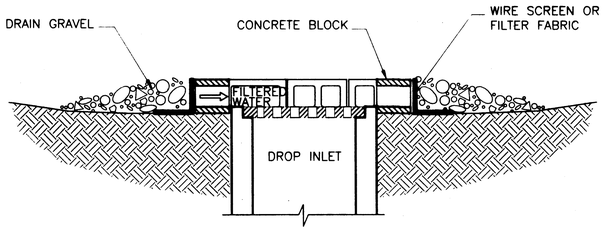


PLAN

ROCK CHECK DAM DETAILS



PLAN VIEW

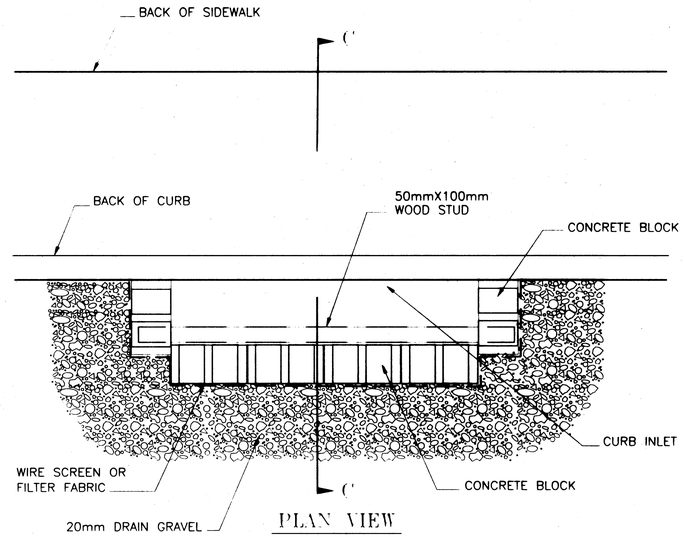


SECTION B–B

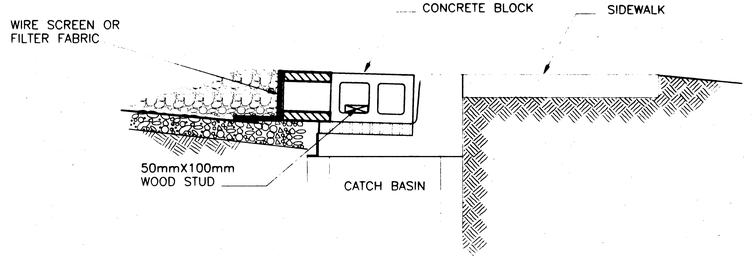
DROP INLET PROTECTION

INLET PROTECTION NOTES

1. INSPECT INLET PROTECTION INSTALLATIONS ON A DAILY BASIS.
2. REMOVE ACCUMILATED SEDIMENT AFTER EACH STORM EVENT.
3. REMOVE SEDIMENT AND DRAIN GRAVEL FROM THE TRAVELLED WAY IMMEDIATELY.
4. REMOVE AND REPLACE DRAIN GRAVEL THAT HAS BECOME CLOGGED WITH SEDIMENT.



PLAN VIEW



SECTION C–C

CURB INLET PROTECTION

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

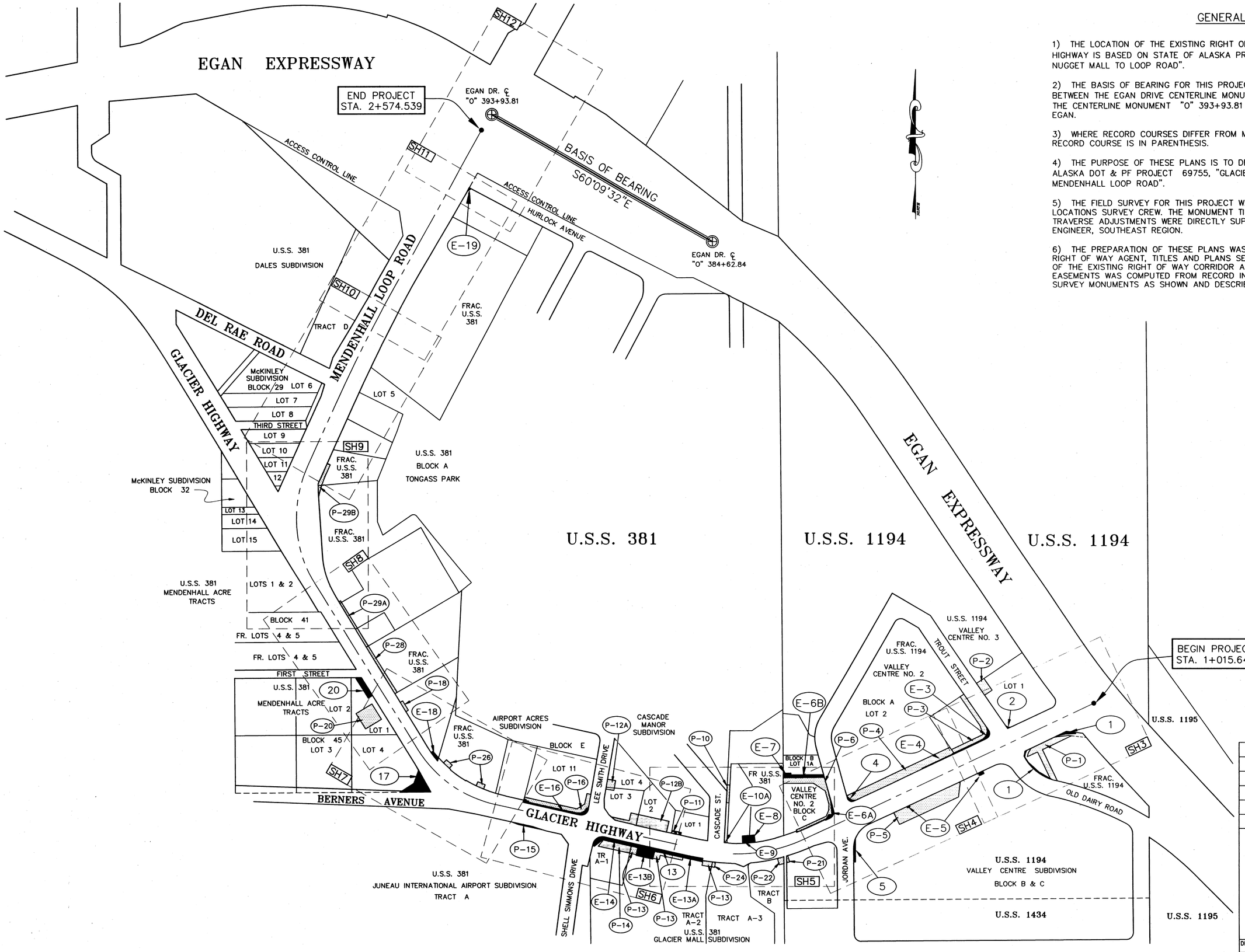
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–000S(90) ~ PROJECT NO. 69755

EROISON & SEDIMENT DETAILS

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DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET P9

3-12-01
STATE OF ALASKA
19th
LARS
REGISTERED PROFESSIONAL ENGINEER



GENERAL NOTES

1) THE LOCATION OF THE EXISTING RIGHT OF WAY FOR THIS PORTION OF GLACIER HIGHWAY IS BASED ON STATE OF ALASKA PROJECT RS-0960(3), "GLACIER HIGHWAY NUGGET MALL TO LOOP ROAD".

2) THE BASIS OF BEARING FOR THIS PROJECT IS THE BEARING OF N 60°09'32" W BETWEEN THE EGAN DRIVE CENTERLINE MONUMENT AT STATION "0" 384+62.84 AND THE CENTERLINE MONUMENT "0" 393+93.81 AT THE INTERSECTION OF LOOP AND EGAN.

3) WHERE RECORD COURSES DIFFER FROM MEASURED OR COMPUTED COURSES, THE RECORD COURSE IS IN PARENTHESIS.

4) THE PURPOSE OF THESE PLANS IS TO DEFINE THE RIGHT OF WAY LIMITS FOR ALASKA DOT & PF PROJECT 69755, "GLACIER HIGHWAY EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD".

5) THE FIELD SURVEY FOR THIS PROJECT WAS PERFORMED BY THE DOT & PF LOCATIONS SURVEY CREW. THE MONUMENT TIES, LOCATION OF TOPOGRAPHY, AND TRAVERSE ADJUSTMENTS WERE DIRECTLY SUPERVISED BY THE SENIOR LOCATIONS ENGINEER, SOUTHEAST REGION.

6) THE PREPARATION OF THESE PLANS WAS DIRECTLY SUPERVISED BY THE SENIOR RIGHT OF WAY AGENT, TITLES AND PLANS SECTION, SOUTHEAST REGION. THE LOCATION OF THE EXISTING RIGHT OF WAY CORRIDOR AND ADJACENT PROPERTY LINES AND EASEMENTS WAS COMPUTED FROM RECORD INFORMATION AND ADJUSTED TO RECOVERED SURVEY MONUMENTS AS SHOWN AND DESCRIBED.

DATE	REVISIONS	BY

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP

ALASKA PROJECT NO.
F-M-000S(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN ROW	DATE 1/00	SCALE 1: 2000
CHECKED	DATE	SHEET 2 OF 12

R1

EASEMENT	OWNER	AREA	PURPOSE
E-3	LESSOR: SMITH LESSEE: BREEZE INN	81m2	HIGHWAY CONSTRUCTION
E-5	LOVELESS/TOLLEFSON JOINT VENTURE	34m2	UTILITIES, DRAINAGE

PARCEL	OWNER	AREA	REMAIN
1	CHATHAM PROPERTIES, LLC.	90m2	5152m2
2	LESSOR: SMITH LESSEE: McDONALDS CORP.	6m2	4001m2

CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD	BEARING
C1	42.031m	51.816m	46°28'32"	40.888m	N50°15'01"W
C2	49.275m	70.104m	40°13'20"	48.267m	S54°01'43"E
C3	22.527m	15.850m	81°26'08"	20.678m	S74°36'34"E
C4	13.489m	7.620m	101°25'32"	11.795m	N13°57'36"E
C5	15.373m	326.667m	20°14'09"	114.775m	S68°12'04"E

FRAC. U.S.S. 1194

U.S.S. 1194
VALLEY CENTRE
BLOCK B & C

LESSOR: LOVELESS TOLLEFSON JOINT VENTURE

CURVES NOT TANGENT AT THIS POINT

STA: 1+073.000
OFFSET: 60.281 L

C5

ESPRESSO SHOP

18.288m

S59°56'21"E 16.939m

C1

S47°49'23"E 15.692m

OLD DAIRY ROAD

C2

KOOTZNOOWOO PLAZA

P-1

1

WEE FISHIE PET SHOP

ADVENTURE SPORTS

CHATHAM PROPERTIES, LLC.

EXISTING R/W EASEMENT

PARKING

STA: 1+032.500
OFFSET: 22.000 L

STA: 1+037.758
OFFSET: 22.000 L

STA: 1+073.000
OFFSET: 22.000 L

STA: 1+079.000
OFFSET: 22.000 L

EXISTING R\W EASEMENT

S32°56'18"E 7.566m

S08°20'47"W 3.606m

N22°32'35"E 4.044m

1.966m

S13°59'12"W 5.841m

S64°40'22"W 36.838m

EXISTING UTILITY EASEMENT

OIL VENT

OIL FILLER

SIGN POST

E-5

C3

STA: 1+148
OFFSET: 18.500L

STA: 1+127.757
OFFSET: 15.233L

N64°39'23"E 5.572m

S25°20'37"E 3.227m

S25°20'37"E 3.229m

14.657m

5.572m

50.000m

S 64°40'22" W 152.929m

SLOPE LIMITS

L=42.603m

30.480m

R=903.670m

EGAN EXPRESSWAY

R/W ℄

N42°48'44"W 296.304m

ANGLE POINT

N42°38'50"W 296.412m

"0" 360+89.63
DOH C/L MON

0.217m

P.C.

N06°31'50"E 1.425m

7.519m

S83°28'10"E

N87°51'18"E 11.424m

10.392m

17.911m

N77°04'22"E 10.240m

12.428m

S64°40'22"W 50.360m

35.967m

1

R/W

R/W ℄ DETAIL

R=873.190m
L=128.523m
Tan=64.378m
Delta=8°26'00"
1+000.162
PROJECT ℄

L=58.767

INT. R/W ℄
1+000.162

BEGIN PROJECT
STA: 1+015.642

L= 124.037m

R=842.710m

N34°12'50"W 330.938m

"0" 365+10.90
DOH C/L MON

0.362m

R=873.190m

P.T.

S34°12'55"E

R/W

0.241m
S07°55'18"E

R/W

0.057m
N26°49'22"W

STA: 1+044.095
OFFSET: 15.409 R

ASPHALT PATH

S 64°40'22" W 53.685m

48.467m

T & N PLASTIC CAP

DRIVE THRU

C4

STA: 1+036.697
OFFSET: 24.364 R

T & N PLASTIC CAP

McDONALD'S

R=903.670m

L= 40.041m

SLOPE LIMITS

30.480m

30.480m

S64°39'23"W 352.205m

1+100

PROJECT C/L

R/W

N26°16'46"W 0.026m

R/W

T & N PLASTIC CAP

STA: 1+092.634
OFFSET: 15.193 R

STA: 1+097.852
OFFSET: 15.222 R

S 64°40'22" W 25.631m

5.218m
R=6.096m
L=8.631m
5.218m

2

PARKING

STA: 1+098.655
OFFSET: 20.350 R

N34°12'07"W 60.960m

STA: 1+104.775
OFFSET: 59.619 R

STA: 1+094.894
OFFSET: 61.159 R

P-2

STA: 1+097.358
OFFSET: 76.968 R

℄ N55°47'53"E

18.288m

STA: 1+129.913
OFFSET: 69.683 R

TROUT STREET

N34°12'07"W 42.502m

48.800m

R/W

0.046m
S08°23'59"E

T & N 3" ALUM MON

E-3

ELEC VAULT

S 64°40'22" W 161.826m

S64°40'22"W 39.127m

1.302m

N64°39'23"E 34.143m

EXISTING EASEMENT

STA: 1+125.325
OFFSET: 21.000 R

STA: 1+163.512
OFFSET: 21.000 R

48.775m

N34°12'12"W

MATCH LINE STA. 1+160

PROPANE TANKS

R=6.096m
L=10.350m
R=10.363m
L=7.880m

6.297m

STA: 1+123.888
OFFSET: 31.026 R

P-3

U.S.S. 1194
VALLEY CENTRE NO. 2
BLOCK A

LOT 1

LESSOR: SMITH
LESSEE: BREEZE INN

BREEZE-IN

U.S.S. 1194
VALLEY CENTRE NO. 3

LOT 1

LESSOR: SMITH
LESSEE: McDONALDS CORP.

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY that I am properly registered and licensed to practice land surveying in the State of Alaska and that this plat was made by me or under my supervision. I declare that this plat was based upon the monuments recovered during State of Alaska Locations Survey _____ dated _____ and that all dimensions and other details are accurate.

STATE OF ALASKA 49th
Robert B. Murphy
LS#7331
REGISTERED PROFESSIONAL LAND SURVEYOR

Robert B. Murphy LS-7331 Date

PERMIT	OWNER	AREA	PURPOSE
P-1	CHATHAM PROPERTIES, LLC.	501m2	ACCESS FOR CONSTRUCTION
P-2	LESSOR: SMITH LESSEE: McDONALDS CORP.	160m2	RECONSTRUCT APPROACH
P-3	LESSOR: SMITH LESSEE: BREEZE INN	439m2	ACCESS FOR CONSTRUCTION

DATE	REVISIONS	BY
11/00	CHANGE PARCEL 3 INTO E-3	ROW
8/00	REVISED PARCEL 1, P-1, OLD DAIRY RD. ALIGN.	GY
5/00	REVISED E-5 AREA	ROW
3/00	ENLARGE PARCEL 3	ROW
3/00	CHANGE E-1, E-2, E-3 INTO PARCELS 1, 2, 3	ROW

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
F-M-0005(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN	ROW	DATE	1/00	SCALE	1: 250
CHECKED		DATE		SHEET	3 OF 12

R2

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY that I am properly registered and licensed to practice land surveying in the State of Alaska and that this plat was made by me or under my supervision. I declare that this plat was based upon the monuments recovered during State of Alaska Locations Survey _____ dated _____ and that all dimensions and other details are accurate.

Robert B. Murphy LS-7331 Date

STATE OF ALASKA 49th Robert B. Murphy LS#7331 REGISTERED PROFESSIONAL LAND SURVEYOR

PERMIT	OWNER	AREA	PURPOSE
P-4	JORDAN CREEK PARTNERSHIP	1059m2	RECONSTRUCT APPROACH, PARKING AREA & DRAINAGE
P-5	LOVELESS/TOLLEFSON JOINT VENTURE	1112m2	RECONSTRUCT APPROACH, PARKING AREA & DRAINAGE
P-6	FIRST NATIONAL BANK OF ANCHORAGE	531m2	RECONSTRUCT APPROACH & CONSTRUCTION ACCESS

U.S.S. 1194
VALLEY CENTRE SUBDIVISION
BLOCK B & C

LESSOR: LOVELESS TOLLEFSON JOINT VENTURE

APPROX. LOCATION TELEPHONE EASEMENT 5' WIDE

SUBWAY SANDWICH SHOP

ASPHALT PARKING

NUGGET MALL ENTRANCE

STA: 1+179 OFFSET: 30.000 L

STA: 1+251 OFFSET: 30.000 L

STA: 1+251 OFFSET: 15.242 L

STA: 1+170 OFFSET: 15.265 L

E-5

P-5

STA: 1+203 OFFSET: 18.500 L

N64°39'23"E 5.000m

S25°20'37"E 3.245m

S25°20'37"E 3.243m

5.000m

S64°40'22"W

50.000m

77.700m

152.929m

SIGN

SLOPE LIMITS

T & N 3" ALUM MON

S76°42'24"W 0.136m

R/W

S65°01'53"W 0.153m

T & N PLASTIC CAP

R/W

5

ALASKA PACIFIC BANK

N89°34'46"E 2.134m

STA: 1+312.800 OFFSET: 47.509 L

S00°25'14"E 18.288m

N00°25'14"W

JORDAN AVE.

26.357m

15.153m

S 00°25'14" E L=17.473m

STA: 1+301.693 OFFSET: 23.607 L

CHORD=S42°54'35"W-22.602m L=23.155m R=30.480m L= 34.628m

EXISTING DOT/PF EASEMENT

R=9.754m L= 18.058m

N73°30'00"E 13.083m

MATCH LINE STA. 1+160

30.480m

1+200

PROJECT C/L

S64°39'23"W 352.205m

1+300

MATCH LINE STA. 1+340

GLACIER HIGHWAY

E-6A

N25°19'41"W 0.764m

S64°40'22"W 5.441m

N64°40'19"E 20.324m

N64°39'23"E 31.202m

E-4

4

STA: 1+162.612 OFFSET: 15.230 R

1.30m

N64°39'23"E 39.390m

37.500m

S64°40'22"W

161.826m

78.531m

STA: 1+280.531 OFFSET: 15.247 R

4.778m

SLOPE LIMITS

L=10.138m R=7.251m

5.408m

S30°57'59"W

N64°39'23"E

STA: 1+320 OFFSET: 13.000 R

P-6

S87°39'01"E 3.228m

STA: 1+314.500 OFFSET: 18.000 R

STA: 1+311.489 OFFSET: 24.000 R

FIRST NATIONAL BANK OF ANCHORAGE

N25°20'37"W 0.500m

1.690m N64°39'23"E

STA: 1+164.500 OFFSET: 16.500R

STA: 1+202 OFFSET: 16.000 R

N25°20'37"W 0.776m

EXISTING UTILITY EASEMENT

P-4

ROCK GARDEN

L=15.942m R=9.144m

L=8.938m R=5.127m

15.458m

19.575m

N05°11'04"W

8.110m

S15°26'18"E

JORDAN CREEK MALL PARKING

STA: 1+163.979 OFFSET: 24.000 R

N34°12'12"W 48.775m

4.778m

R/W S48°32'13"W 0.073m T & N ALUM CAP

EXISTING UTILITY EASEMENT

JORDAN CREEK MALL PARKING

N74°33'42"E 0.305m

S 15°26'18" E 63.259m

S 15°26'18" E 72.638m 18.816m

S 89°43'33" W 3.158m 45.298m

18.288m

P-6

LOT 1A BLOCK B

SEE NEXT SHEET

E-6B

R/W LIMITS N34°12'12"W 0.107m PLASTIC CAP ILLEGIBLE

FRAC. U.S.S. 1194
VALLEY CENTRE NO. 2

BLOCK A

LOT 2

JORDAN CREEK PARTNERSHIP

EASEMENT	OWNER	AREA	PURPOSE
E-4	JORDAN CREEK PARTNERSHIP	32m2	HIGHWAY PURPOSES
E-5	LOVELESS/TOLLEFSON JOINT VENTURE	34m2	UTILITIES
E-6A	FIRST NATIONAL BANK OF ANCHORAGE	72m2	HIGHWAY PURPOSES

PARCEL	OWNER	AREA	REMAIN
4	JORDAN CREEK PARTNERSHIP	18m2	1706m2
5	LOVELESS/TOLLEFSON JOINT VENTURE	48m2	48,768m2

BLOCK C
VALLEY CENTRE NO. 2

DATE	REVISIONS	BY
11/00	CHANGED PARCEL 6 INTO E-6A, E-6 TO E-6B	ROW
8/00	REVISED REMAINDER AREA PARCEL 5	GY
6/00	REVISED PARCEL 6, P-6, ADDED E-6	ROW
5/00	REVISED E-5, P-5	ROW
4/00	ENLARGED P-6	ROW
3/00	REVISED E-4, E-5, ADDED FEE PARCELS 4 & 5 CHANGED E-6A INTO FEE PARCEL 6	ROW

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
F-M-0005(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN	ROW	DATE	1/00	SCALE	1:250
CHECKED		DATE		SHEET	4 OF 12

R3

PERMIT	OWNER	AREA	PURPOSE
P-6	FIRST NATIONAL BANK OF ANCHORAGE	SEE SH 4	RECONSTRUCT APPROACH CONSTRUCTION ACCESS
P-11	CLIFTON & LORETTA BEADLE	34m2	CONSTRUCTION ACCESS
P-12B	NATIONAL BANK OF ALASKA	596m2	RECONSTRUCT APPROACH CONSTRUCTION ACCESS
P-13	ERWIN ENTERPRISES, LLC	249m2	RECONSTRUCT APPROACH CONSTRUCTION ACCESS
P-21	LYLE'S HOME FURNISHINGS	18m2	RECONSTRUCT APPROACH
P-22	KEN WILLIAMSON	46m2	RECONSTRUCT APPROACH
P-10	JIM & VICKI MARRS	62m2	RECONSTRUCT DRIVEWAY
P-24	GOLDBELT INC.	20m2	RECONSTRUCT APPROACH

GLACIER MALL SUBDIVISION

TRACT B
KEN WILLIAMSON
AIRPORT OFFICE CENTER BUILDING

TRACT A-3
GOLDBELT INC.

CARMAG BUILDING

PARKING

U.S.S. 381
TRACT A-2
ERWIN ENTERPRISES, LLC.

U.S.S. 1194
VALLEY CENTRE BLOCK A
LOTS 1 - 5
LYLE'S FURNITURE

GLACIER HIGHWAY

PROJECT C/L

MATCH LINE STA. 1+340

MATCH LINE STA. 1+510

1+400

1+500

"O" CURVE DATA
Δ=38°05'20"
R=175.000
L=116.336
T=60.409

"OPC"=1+352.205

"OPT"=1+466.540

C4
U.S.S. 1194
USDA B.C.

R&M ALUM CAP MON

SPIKE IN ASPHALT

EXISTING ACCESS EASEMENT

EXISTING UTILITY EASEMENT

ELECTRIC UTILITY EASEMENT

LEASE LIMITS

DENALI ALASKAN FEDERAL CREDIT UNION

EXISTING STREAM EASEMENT

Jordan Creek

EXISTING DOT/PF EASEMENT

APPROXIMATE LOCATION UTILITY EASEMENT

SLOPE LIMITS

STA: 1+411.452
OFFSET: 10.628 L
D.O.H. P.I. MON. IN CASE

STA: 1+379.227
OFFSET: 18.000 L

STA: 1+376
OFFSET: 18.000 L

STA: 1+387
OFFSET: 18.000 L

STA: 1+452
OFFSET: 17.000 L

STA: 1+455.281
OFFSET: 16.900 L

STA: 1+465
OFFSET: 17.000 L

STA: 1+487
OFFSET: 13.000L

STA: 1+487
OFFSET: 16.000L

P-21 P-22 P-24 P-13 E-13A P-13

96" CMP

LOG RAIL

EXISTING DOT/PF EASEMENT
R=244.218m L=32.665m
CHORD = S69°15'34"W 32.640m

S73°30'00"W 13.083m

S64°39'23"W 352.205m

S00°25'14"E 1.553m

CHORD=S71°28'30"W-24.694m
R=221.435m L=24.707m

S79°17'28"E 2.205m

R=222.862m L=14.599m

L=2.844m R=164.500m

N25°19'41"W 0.764m

N64°40'19"E 20.324m

N64°39'23"E 31.202m

S64°40'22"W 5.441m

S30°57'59"W 10.139m

R=7.251m

S87°39'01"E 3.228m

N05°11'04"W 15.458m

S15°26'18"E 18.816m

S 15°26'18" E 72.638m

N74°33'42"E 0.305m

STA: 1+320
OFFSET: 13.000 R

STA: 1+314.500
OFFSET: 18.000 R

STA: 1+311.489
OFFSET: 24.000 R

STA: 1+308.870
OFFSET: 39.000 R

STA: 1+317.156
OFFSET: 52.696 R

STA: 1+346.982
OFFSET: 66.648 R

STA: 1+356.586
OFFSET: 13.000 R

STA: 1+408
OFFSET: 20.000 R

STA:1+423
OFFSET: 20.000R

STA: 1+444.913
OFFSET: 14.500 R

STA: 1+495
OFFSET: 14.000 R

STA: 1+505.625
OFFSET: 14.000 R

STA: 1+511
OFFSET: 23.500 R

STA: 1+443.468
OFFSET: 77.000 R

STA: 1+447.221
OFFSET: 57.000 R

FIRST NATIONAL BANK OF ANCHORAGE

U.S.S. 1194
BLOCK C
VALLEY CENTRE NO. 2

P-6 E-6A E-6B

JORDAN AVE.

BLOCK E
LOT 1A
RIE MUNOZ LTD.

E-7

TONER & NORDLING ALUM CAP MON

0.379m
FND PLASTIC CAP

C-4,USS 1194 TO T&N ALUM. CAP
S00°25'13"E 409.426m

S 00°25'13" E 336.710m
67.993m

U.S.S. 381
U.S.S. 1194

S 89°43'33" W 45.298m
S 89°43'33" W 44.480m
3.048m
8.500m
1.829m
S89°43'33"W

3.158m

E-8

AUDREY LYKSTAD
JORDAN SQUARE

EXISTING DOT/PF EASEMENT

ASPHALT SIDEWALK

DIRT PATH

CHORD = S83°47'51"W 51.820m
R=163.361m L=52.040m

L=22.668m

L=6.788m
L=5.343m
R = 155.000m
L=7.205m
L=7.943m
8.218m
8.233m
8.295m
N07°04'33"W
N02°05'54"W
S02°54'47"W

S15°19'35"E 0.226m

SEE DETAIL E-10A

E-9

ACCESS & UTILITY EASEMENT

JIM & VICKI MARRS

FRAC. U.S.S. 381

AEL&P UTILITY EASEMENT

6.096m

R/W R=221.435m
L=2.817m
L=2.152m
3.480m
2.689m
N35°15'52"W
N02°54'46"E
R/W

E-10A

DETAIL (NO SCALE)

FRAC. U.S.S. 381

ANDERSON, POWELL

P-10

S 02°54'46" W 88.814m

S02°54'47"W

S02°55'45"W 0.226m

L=15.379m

R=221.435m
L=4.969m
CHORD = N86°26'00"W-4.968m

N83°25'08"W 18.327m

CHORD=N79°03'41"W-15.349m
R=221.435m L=15.352m

N77°15'17"W 233.231m

S12°55'28"W 0.226m

N77°04'32"W 20.321m

N77°04'32"W 47.098m

LOT 1
CLIFTON & LORETTA BEADLE

P-11

GREAT ESCAPE TRAVEL

STATE FARM INSURANCE

P-12B

LOT 2
NATIONAL BANK OF ALASKA

PARKING LOT

N 02°54'47" E 46.564m

N 02°54'46" E 57.995m

37.617m
N78°13'14"W

WKVH ALUM. MON.

S09°33'33"W 17.364m

N40°08'33"W

LOT 5

CASCADE STREET

18.289m

R=7.733m
L= 5.808m

N40°07'13"W

N40°07'13"W

38.609m

S11°03'05"W

RADIAL
S11°35'10"W 1.463m
L=3.803m
R=188.000m

N77°15'17"W
L=0.695m

N79°32'17"W 12.583m

S10°27'43"W 2.416m

L=16.660m
R=244.218m
CHORD = N83°47'48"W - 27.960m

L=10.620m

S12°44'43"W 3.304m
8.870m
15.431m
N77°42'09"W

18.460m

6.963m

N77°15'17"W 58.394m

N77°06'36"W 7.143m

44.703m
75.706m
N77°03'52"W

R/W LIMITS
0.144m
N88°03'44"W
T & N PLASTIC CAP

S18°50'14"W 2.761m
2.151m

S60°44'47"W 6.882m

N68°28'14"W 9.995m

R=185.916m
L=8.281m
CHORD= N88°21'10"W 8.281m

R=185.916m L=33.874m
CHORD = S79°53'32"W - 33.827m

R=244.218m L=3.567m
CHORD= S74°15'14"W 3.567m

S05°04'35"E 24.284m

S00°25'13"E 49.947m

3.048m

U.S.S. 381
U.S.S. 1194

S73°27'48"W 3.173m

STA: 1+382.097
OFFSET: 18.000 L

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY that I am properly registered and licensed to practice land surveying in the State of Alaska and that this plat was made by me or under my supervision. I declare that this plat was based upon the monuments recovered during State of Alaska Locations Survey _____ dated _____ and that all dimensions and other details are accurate.

Robert B. Murphy LS-7331 Date

EASEMENT	OWNER	AREA	PURPOSE
E-6A	FIRST NATIONAL BANK OF ANCHORAGE	72m2	HIGHWAY PURPOSES
E-6B	FIRST NATIONAL BANK OF ANCHORAGE	137m2	UTILITIES
E-7	RIE MUNOZ LTD.	16m2	UTILITIES
E-8	AUDREY LYKSTAD	50m2	JOINT USE ACCESS
E-9	ANDERSON, POWELL	63M2	JOINT USE ACCESS
E-10A	JIM & VICKI MARRS	3m2	HIGHWAY
E-13A	ERWIN ENTERPRISES, LLC	76m2	SLOPES, DRAINAGE, UTILITIES

PARCEL	OWNER	AREA	REMAIN
13	ERWIN ENTERPRISES, LLC	194m2	23,101m2

STATE OF ALASKA 49th
Robert B. Murphy LS#7331
REGISTERED PROFESSIONAL LAND SURVEYOR

11/00	DELETE PARCEL 11, E-11, E-11A, E-11B, E-10B, E-12. REV P-11, P-12B	ROW
11/00	CHANGED PARCEL 6 INTO E-6A, E-6 TO E-6B	ROW
9/00	CHANGED E-10 TO E-10A, ADDED E-10B,P-12B	ROW
8/00	PARCEL 10 CHANGED TO E-10	ROW
6/00	REV. PARCEL 6 & 11, DELETED E-11, ADDED E-11A, E-11B, E-6, REV. E-7, P-6	ROW
5/00	REVISED PARCEL 11, E-11, P-11	ROW
4/00	ENLARGED P-6, CHANGED P-23 INTO P-10	ROW
3/00	E-13 CHANGED TO E-13A	ROW
3/00	CHANGED E-6A & E-10 INTO FEE PARCELS 6 & 10, REVISED E-11, E-13, ADDED PARCELS 11&13	ROW
DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
F-M-0005(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN ROW	DATE 1/00	SCALE	1: 250
CHECKED	DATE	SHEET	5 OF 12

R4

U.S.S. 381

TRACT A-2

GLACIER MALL SUBDIVISION

ERWIN ENTERPRISES, LLC.

EXISTING ACCESS EASEMENT

JUNEAU INTERNATIONAL AIRPORT SUBDIVISION

TRACT D

C.B.J.

SHELL SIMMONS DRIVE

FND SPIKE

N77°11'59"W 36.398m

S 00°29'49" E 180.826m

S 07°43'11" W 18.288m

S 07°43'11" W

N77°04'32"W 6.113m

24.313m

S12°55'28"W 25.800m

FND PLASTIC CAP

R 0.306m S17°15'33"W

EXISTING EASEMENT R/W

FND SPIKE S12°29'34"W 0.446m

R/W LIMITS

S 12°29'34" W 45.008m

TRACT A-1

VALLEY AUTO CENTER INC.

EXISTING DOT/PF EASEMENT

12.306m

STA: 1+538.039 OFFSET: 22.000 L

STA: 1+512 OFFSET: 21.000 L

STA: 1+519 OFFSET: 22.000 L

STA: 1+545.358 OFFSET: 21.000 L

STA: 1+580.860 OFFSET: 21.000 L

STA: 1+587.123 OFFSET: 22.000 L

S77°15'17"E 2.123m

1.888m

STA: 1+512 OFFSET: 16.000 L

S77°15'17"E 19.039m

S12°44'43"W 9.000m

N12°29'34"E 9.000m

P-13

E-13B

P-13

P-14

STA: 1+545.394 OFFSET: 13.000 L

S50°37'13"W 11.402m

L= 16.758m

S 77°15'17" E 32.606m

7.315m

19.078m

58.194m

3.420m

31.006m

R=0.668m

S77°15'17"E

44.703m

N 77°03'52" W 75.708m

MATCH LINE STA. 1+510

13

E-14

PROJECT C/L

N77°15'17"W 233.231m

1+600

SLOPE LIMITS

N76°16'47"W 21.946m

N47°55'39"W 9.070m

EXISTING DOT/PF EASEMENT

S 12°55'31" W 0.457m

N 77°04'32" W 47.098m

42.015m

EXISTING DOT/PF EASEMENT

P-12B

N

STA: 1+554 OFFSET: 14.500 R

STA: 1+574.44 OFFSET: 14.500 R

STA: 1+554 OFFSET: 23.500 R

STA: 1+511 OFFSET: 23.500 R

LOT 3

LOT 2

NATIONAL BANK OF ALASKA

S09°33'33"W 26.674m

WKVH ALUM. MON.

N 40°08'33" W 38.923m

104.209m

S 12°50'38" W 40.195m

EXISTING ELEC. EASEMENT

STA: 1+586.957 OFFSET: 43.513 R

STA: 1+577.970 OFFSET: 44.000 R

N 84°43'13" W 42.041m

P-12A

15.240m

S 09°38'47" W 13.274m

N01°08'28"W 10.077m

N 09°38'47" E

LEE SMITH DRIVE

LOT 4

STA: 1+578.565 OFFSET: 55.000 R

U.S.S. 381

CASCADE MANOR SUBDIVISION

SURVEYOR'S CERTIFICATE

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Robert B. Murphy LS-7331 Date

STATE OF ALASKA 49th Robert B. Murphy LS#7331 REGISTERED PROFESSIONAL LAND SURVEYOR

PERMIT	OWNER	AREA	PURPOSE
P-12A	NATIONAL BANK OF ALASKA	99m2	RECONSTRUCT APPROACH
P-12B	NATIONAL BANK OF ALASKA	596m2	CONSTRUCTION ACCESS RECONSTRUCT APPROACH
P-13	ERWIN ENTERPRISES, LLC.	SEE SH 5	CONSTRUCTION ACCESS RECONSTRUCT APPROACH
P-14	VALLEY AUTO CENTER, INC.	269m2	CONSTRUCTION ACCESS
P-15	FAA FLIGHT SERVICE STATION	30m2	REGRADE SLOPES
P-16	TESORO ALASKA PETROLEUM	393m2	CONSTRUCTION ACCESS RECONSTRUCT APPROACH

FAA FLIGHT SERVICE STATION

U.S.S. 381

JUNEAU INTERNATIONAL AIRPORT SUBDIVISION

TRACT A

CITY & BOROUGH OF JUNEAU

P-15

STA: 1+644.810 OFFSET: 16.500 L

S 77°15'17" E 27.190m

STA: 1+672 OFFSET: 16.500 L

S68°27'28"E 8.095m

39.360m

4.185m

N77°04'32"W 17.157m

N71°12'40"W 15.225m

1.040m

24.212m

N77°04'32"W 63.572m

SLOPE LIMITS

GLACIER HIGHWAY

MATCH LINE STA. 1+690

E-16

N 77°03'52" W 63.926m

2.402m

2.537m

N 77°04'32" W 20.589m

STA: 1+672.266 OFFSET: 12.500 R

R=7.620m

L=12.407m

S88°33'53"E 5.099m

S77°15'17"E 53.500m

N12°44'43"E-1.000m

S77°15'17"E-3.000m

N67°12'27"E 4.301m

S36°42'28"W 4.924m

1.553m

S77°15'17"E 1.635m

STA: 1+613 OFFSET: 15.000 R

STA: 1+606 OFFSET: 22.000 R

EXISTING DOT/PF EASEMENT

TIRE SHED

PUMP ISLAND

P-16

N12°44'43"E 1.000m

S77°15'17"E 2.766m

STA: 1+672.209 OFFSET: 15.000 R

N14°02'08"E

MI CASA RESTAURANT

PARKING

U.S.S. 381

AIRPORT ACRES SUBDIVISION

BLOCK E

LOT 11

TESORO ALASKA PETROLEUM

AIRPORT UNION

STA: 1+606 OFFSET: 34.000 R

FRAC. U.S.S. 381

PARCEL	OWNER	AREA	REMAIN
13	ERWIN ENTERPRISES, LLC.	194m2	23,101m2

EASEMENT	OWNER	AREA	PURPOSE
E-13B	ERWIN ENTERPRISES, LLC.	172m2	JOINT USE ACCESS
E-16	TESORO ALASKA PETROLEUM	138m2	SIDEWALK, DRAINAGE, SLOPES, TRAFFIC SIGNAL
E-14	VALLEY AUTO CENTER, INC.	171m2	SIDEWALK, DRAINAGE, SLOPES, TRAFFIC SIGNAL

DATE	REVISIONS	BY
11/00	DELETE E-12, REVISE P-12B	ROW
9/00	CHANGE P-25 TO P-12A & E-15 TO P-15, ADD P-12B	ROW
8/00	CHANGED PARCEL 14 TO E-14	ROW
5/00	REVISED PARCEL 14, P-14	ROW
3/00	ADD E-13B, ENLARGE E-16	ROW
3/00	CHANGED E-13, E-14 INTO FEE PARCELS	ROW

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION

&

PUBLIC FACILITIES

RIGHT OF WAY MAP

ALASKA PROJECT NO.

F-M-0005(090) 69755

GLACIER HIGHWAY

EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN	ROW	DATE	1/00	SCALE	1: 250
CHECKED		DATE		SHEET	5 OF 14

R5

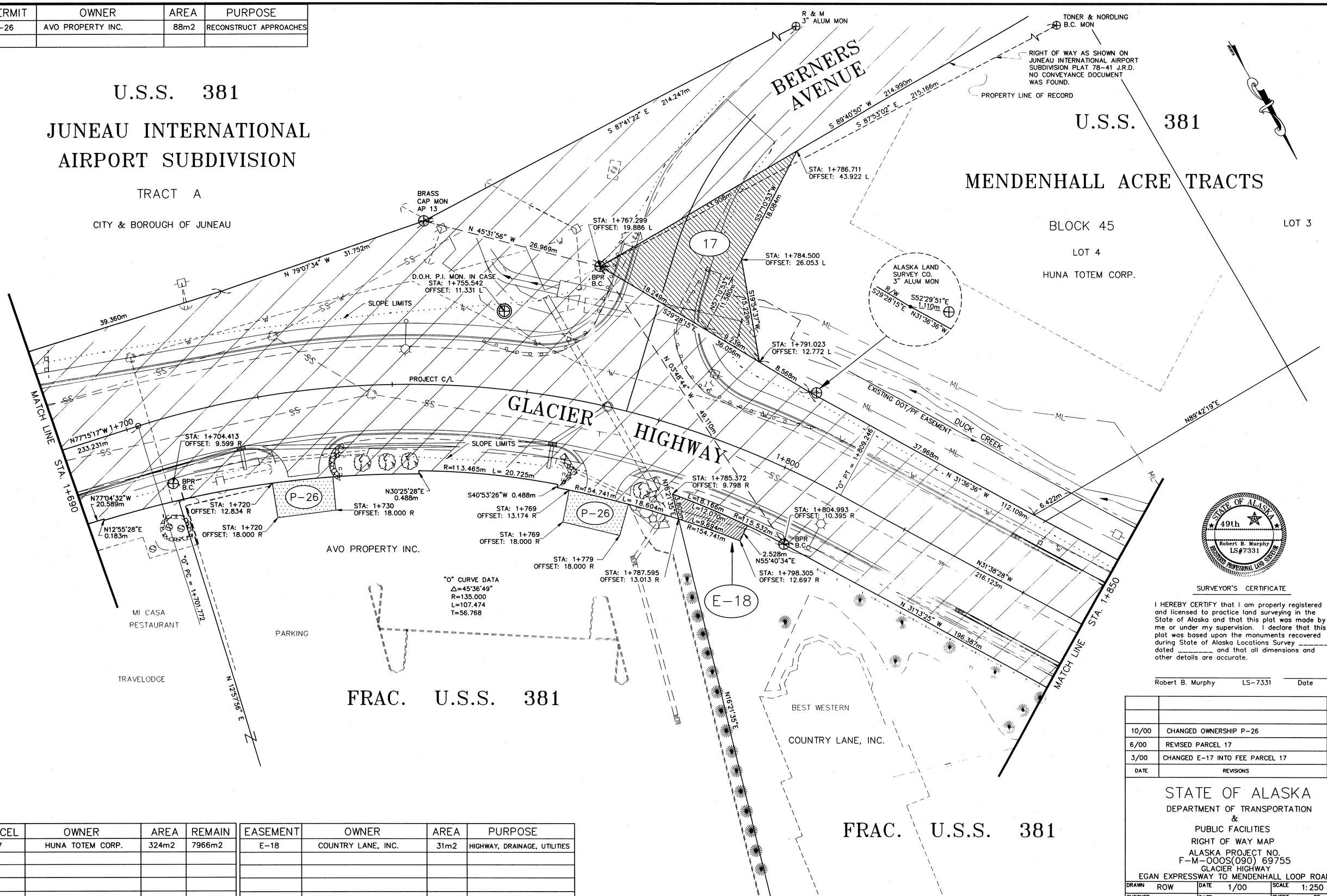
PERMIT	OWNER	AREA	PURPOSE
P-26	AVO PROPERTY INC.	88m2	RECONSTRUCT APPROACHES

U.S.S. 381

JUNEAU INTERNATIONAL AIRPORT SUBDIVISION

TRACT A

CITY & BOROUGH OF JUNEAU



PARCEL	OWNER	AREA	REMAIN
17	HUNA TOTEM CORP.	324m2	7966m2

EASEMENT	OWNER	AREA	PURPOSE
E-18	COUNTRY LANE, INC.	31m2	HIGHWAY, DRAINAGE, UTILITIES

STATE OF ALASKA 49th Robert B. Murphy LS#7331 REGISTERED PROFESSIONAL LAND SURVEYOR

SURVEYOR'S CERTIFICATE

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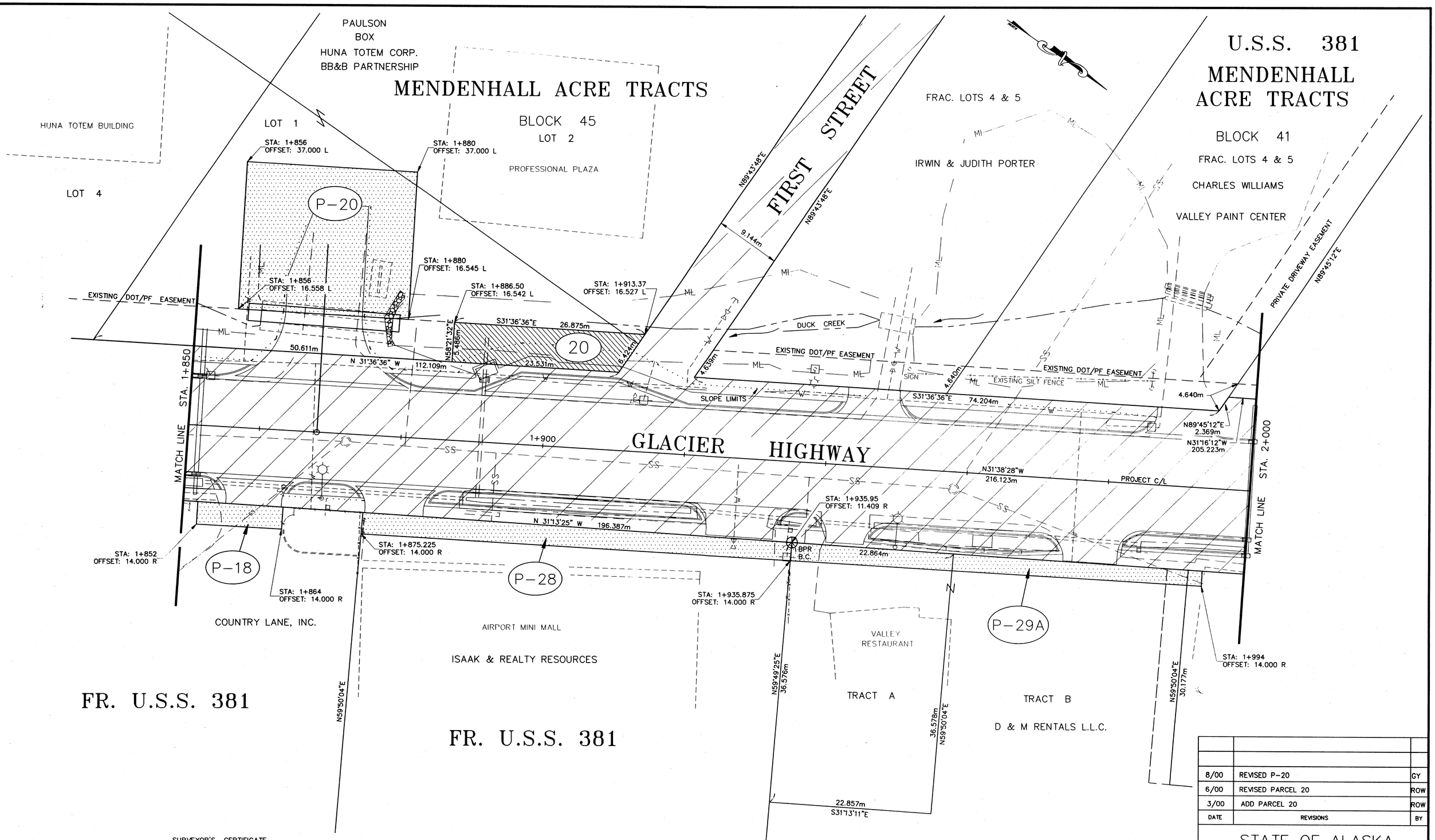
Robert B. Murphy LS-7331 Date

DATE	REVISIONS	BY
10/00	CHANGED OWNERSHIP P-26	ROW
6/00	REVISED PARCEL 17	ROW
3/00	CHANGED E-17 INTO FEE PARCEL 17	ROW

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
F-M-0005(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN	ROW	DATE	1/00	SCALE	1: 250
CHECKED		DATE		SHEET	2 OF 12

R6



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Robert B. Murphy LS-7331 Date

STATE OF ALASKA 49th Robert B. Murphy LS#7331 REGISTERED PROFESSIONAL LAND SURVEYOR

PARCEL	OWNER	AREA	REMAIN
20	PAULSON, BB&B PARTNERSHIP HUNA TOTEM CORP., BOX	138m2	5640m2

PERMIT	OWNER	AREA	PURPOSE
P-20	PROFESSIONAL PLAZA	491m2	RECONSTRUCT APPROACH
P-18	COUNTRY LANE INC.	38m2	RECONSTRUCT APPROACH
P-28	ISAAK & REALTY RESOURCES	171m2	CONSTRUCTION ACCESS RECONSTRUCT APPROACH
P-29A	D & M RENTALS L.L.C.	138m2	CONSTRUCTION ACCESS RECONSTRUCT APPROACH

DATE	REVISIONS	BY
8/00	REVISED P-20	GY
6/00	REVISED PARCEL 20	ROW
3/00	ADD PARCEL 20	ROW

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
F-M-0005(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN	ROW	DATE	1/00	SCALE	1: 250
CHECKED		DATE		SHEET	8 OF 12

R7

MENDENHALL ACRE TRACTS

U.S.S. 381

BLOCK 41

LOTS 1 & 2

FEDERAL AVIATION ADMINISTRATION

McKINLEY SUBDIVISION

LOT 15

GLENN & SHIRLEY CAVE

BLOCK 32

LOT 14

LOT 13

JW BEAN PLASTIC CAP
S19°28'29"W
0.905m
R/W

REBAR
NO CAP
S17°12'52"W
1.112m
R/W

N89°45'12"E

EXISTING DOT/PF EASEMENT

205.223m

N31°16'12"W

ML

DOT/PF P.I. MON
STA. "0"35+98.10
RS-0960(3)(1983)
REMOVED THIS PROJECT

STA: 2+092.09
OFFSET: 18.169 L

SLOPE LIMITS

EXISTING DOT/PF EASEMENT

DUCK CREEK

EXISTING EASEMENT

EXISTING SILT FENCE

R/W CENTERLINE GLACIER HWY. NORTH (SEE DETAIL)

PROJECT C/L

2+100

"0" CURVE DATA
Δ=56°30'30"
R=135.000
L=133.144
T=72.551

GLACIER HIGHWAY

N31°38'28"W
216.123m

"0" PC = 24+025.369

B.P.R. BRASS PIN
REMOVED IN 1984
(SEE DETAIL)

MATCH LINE STA. 2+000

R=100.005m L=48.806m

N 03°40'25" W 68.672m

STA: 2+127.743
OFFSET: 22.000 R

PARKING

CHORD=N01°17'32"W
8.310m
L=8.313m
L=6.645m
R=100.005m

L=1.668m

S24°45'19"W
121.850m

P-29B

STA: 2+170
OFFSET: 22.000 R

MATCH LINE STA. 2+170

N24°52'02"E
97.737m

"0" PT = 2+158.513

R & M
3" ALUM MON
S52°42'46"W
1.440m
R/W

GLACIER HIGHWAY

15.240m

17.786m

78.395m

17.786m

N31°16'12"W
17.726m

McKINLEY SUBDIVISION

BLOCK 29

LOT 11

LOT 10
DAVID & NANCY WEAVER

EXISTING C.B.J. EASEMENT

LOT 12
C.B.J.

LOT 13

7.411m
6.633m
6.853m

N89°46'00"E

22.906m

39.179m

SLOPE LIMITS

16.814m

DUCK CREEK

16.814m
S24°45'19"W
74.109m
16.814m

MENDENHALL LOOP ROAD

N85°23'11"E

ROSWICK GILES MUSIC/
COPY SHOP PHOTOMASTER

VITO & NICK'S

D & M RENTALS L.L.C.

N31°13'25"W 196.387m

30.177m
N59°50'04"E

27.199m
N30°09'56"W

FRAC. U.S.S. 381

TRACT B

FRAC. U.S.S. 381

P.S. 9+15.6
B.P.R. BRASS PIN
N 26866.217
E 8616.698

0+00.00
B.P.R. BRASS PIN
REMOVED IN 1984
N 26627.965
E 8761.388

N31°16'12"W 278.957m
(N31°11'00"W 279.075m)

R/W CENTERLINE
GLACIER HWY. NORTH

DETAIL

PERMIT	OWNER	AREA	PURPOSE
P-29B	D & M RENTALS L.L.C.	119m2	CONSTRUCTION ACCESS

SURVEYOR'S CERTIFICATE

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Robert B. Murphy LS-7331 Date

STATE OF ALASKA 49th Robert B. Murphy LS#7331 REGISTERED PROFESSIONAL LAND SURVEYOR

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
F-M-0005(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN ROW	DATE 1/00	SCALE 1:250
CHECKED	DATE	SHEET ~~9~~ OF ~~12~~

R8

U.S.S. 381
BLOCK 29
McKINLEY SUBDIVISION

LOT 9
DAVID & NANCY WEAVER
LOT 8
LOT 7
LOT 6
EVERELL & VERNICE KIRCHOFFER

THIRD STREET
DEL RAE ROAD
DUCK CREEK

N89°46'00"E 55.452m
N89°46'00"E 71.726m
N89°46'00"E 76.746m
N89°46'00"E 92.702m
N89°46'00"E 108.657m
N63°01'08"W
N63°01'08"W

T & N PLASTIC CAP
N83°15'13"W 0.079m
R/W
R/W

U.S.S. 381
DALES SUBDIVISION
TRACT D
C.B.J.

"O" CURVE DATA
△=03°48'29"
R=1500.000
L=99.691
T=49.864

S17°05'48"W 12.854m
DOH CONC POST
N26°09'23"E 4.335m
N30°50'08"E 76.051m
SLOPE LIMITS

16.682m
16.682m
S23°46'00"W
44.827m
11.462m
N03°15'04"W 9.757m
16.814m
16.814m
S24°45'19"W
74.109m

MATCH LINE STA. 2+170
PROJECT C/L
2+200
N24°52'02"E 97.737m
2+300
MENDENHALL LOOP ROAD
"O" PC = 2+256.250
SLOPE LIMITS
PLASTIC CAP LS 6277
L=162.869m R=1728.091m
STA: 2+324.58
OFFSET: 17.662 R
MATCH LINE STA. 2+340

DIRT TRAIL
S 24°45'19" W 121.850m

FRAC. U.S.S. 381

PARKING
FLORY / OWENS

R/W
N41°32'49"W 2.820m
PLASTIC CAP LS 1410
R/W
0.302m S52°13'29"E
PLASTIC CAP LS 6277

PIPELINE SKATEBOARD PARK

DOMINO'S PIZZA
D & M RENTALS L.L.C.
D & M RENTALS L.L.C.
NEW HOTEL
GRANDMA'S BED AND BREAKFAST

S79°55'32"E 58.678m
S62°23'18"E 56.029m
S63°18'11"E 53.657m

U.S.S. 381
BLOCK A
TONGASS PARK
LOT 5
COUNTRY LANE, INC

FRAC. U.S.S. 381
C.B.J.

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STATE OF ALASKA 49th
Robert B. Murphy LS#7331
REGISTERED PROFESSIONAL LAND SURVEYOR

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
F-M-0005(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN ROW	DATE 1/00	SCALE	1:250
CHECKED	DATE	SHEET	~~10~~ OF ~~12~~

R9

U.S.S. 381
DALES SUBDIVISION

TRACT D

CITY AND BOROUGH OF JUNEAU

DUCK CREEK

S 46°29'55" E 222.460m

N 60°10'17" W 198.853m

ACCESS CONTROL LINE

S 08°28'51" E 27.746m

L=30.813m

N30°50'08"E
76.05'

L=48.763m

L=79.576m R=1764.667m

DOT/PF P.I. MON
STA. "0"17+45.38
RS-0960(3)(1983)
REMOVED THIS
PROJECT

STA: 2+350.37
OFFSET: 2.958 L

SLOPE LIMITS

PROJECT C/L

2+400

N28°40'30"E
94.059m

"0" ANGLE POINT
2+450.000

N29°11'29"E ~ 124.539m

2+500

MATCH LINE STA.2+340

MATCH LINE

MENDENHALL LOOP ROAD

SLOPE LIMITS

DIRT TRAIL

PLASTIC CAP
LS 6277 L=162.869m R=1728.091m

STA: 2+388.28
OFFSET: 16.782 R

N 30°09'19" E 81.695m

DIRT TRAIL

MATCH LINE STA. 2+510

"0" CURVE DATA
Δ=03°48'29"
R=1500.000
L=99.691
T=49.864

"0" PT = 2+355.941

N 62°04'41" W 92.724m

CITY AND BOROUGH
OF JUNEAU

MILLER HOUSE

PIPELINE SKATEBOARD PARK

FRAC. U.S.S. 381

CITY AND BOROUGH OF JUNEAU

STATE OF ALASKA
49th
Robert B. Murphy
LS#7331
REGISTERED PROFESSIONAL LAND SURVEYOR

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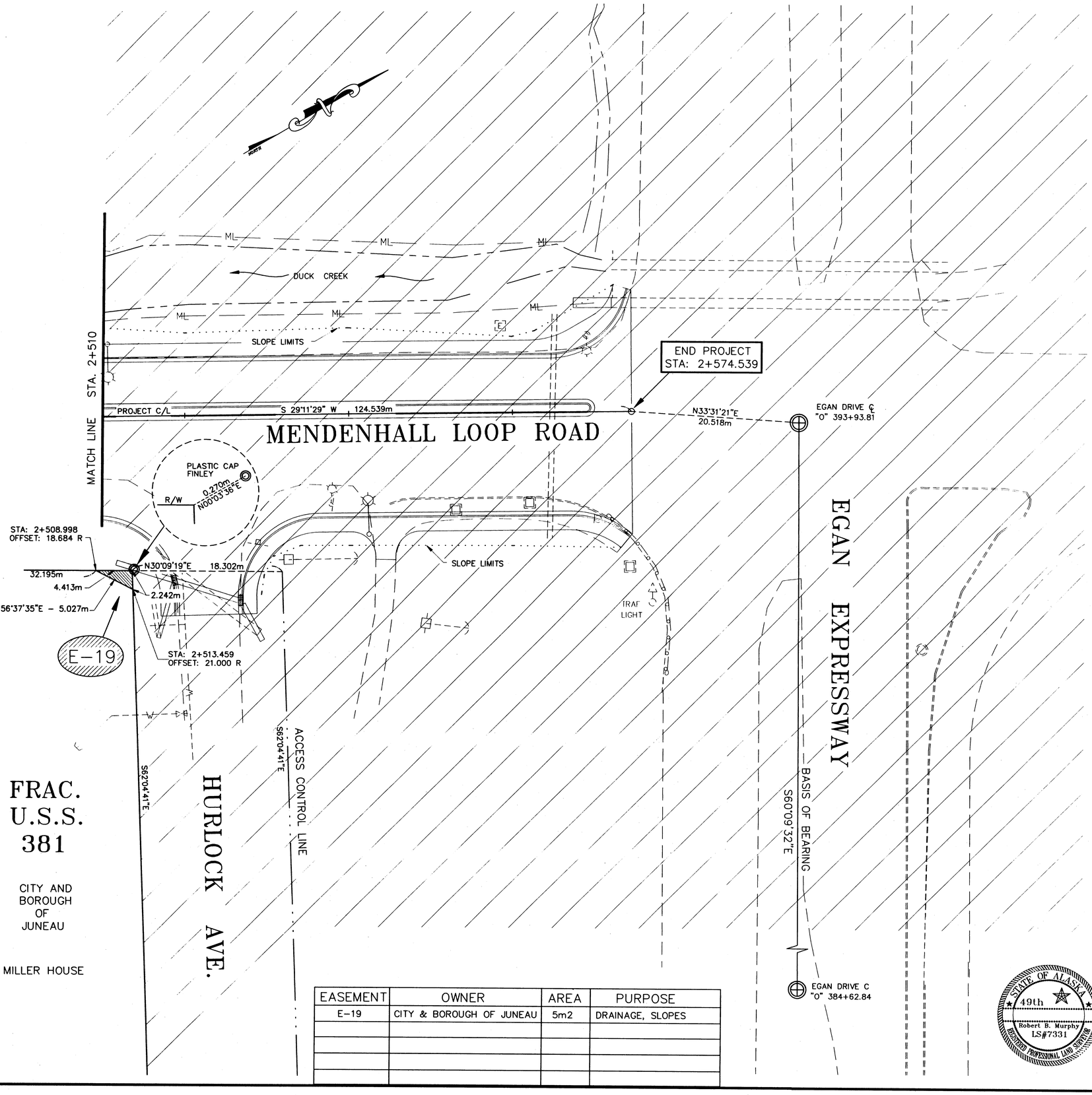
Robert B. Murphy LS-7331 Date

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO.
F-M-0005(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN ROW	DATE 1/00	SCALE 1:250
CHECKED	DATE	SHEET ~~11~~ OF ~~12~~

R10



EASEMENT	OWNER	AREA	PURPOSE
E-19	CITY & BOROUGH OF JUNEAU	5m2	DRAINAGE, SLOPES

RECOVERED MONUMENTS

NORTHING	EASTING	STATION	OFFSET	DESCRIPTION
26292.322	9750.519	N.A.		BPR BRASS PIN P.S. OLD DAIRY RD.
26314.400	9244.149	1+411.722	10.584 LT	BPR B.C. (REMOVED 1984)
26389.708	8958.848	1+704.413	9.599 RT	BPR B.C. ROW MON 1932
26391.086	8910.276	1+749.855	8.773 LT	BPR B.C. POST 1943(REMOVED 1984)
26393.778	8888.196	1+767.299	19.886 LT	BPR B.C. (REMOVED 1984)
26442.779	8884.931	1+804.993	10.395 RT	BPR B.C. ROW MON 1932
26554.489	8817.214	1+935.950	11.409 RT	BPR B.C. ROW MON 1932
26627.965	8761.388	2+027.834	2.405 RT	BPR BRASS PIN (REMOVED 1984)
26994.536	8469.893	N.A.		BPR IRON PIPE USS 381/1193
27138.235	8956.241	N.A.		POT "O" 393+93.81 EGAN DRIVE
26998.892	9199.139	N.A.		PT "O" 384+62.84 EGAN DRIVE
26821.286	9390.740	N.A.		PC "O" 375+97.16 EGAN DRIVE
26547.319	9577.025	N.A.		PT "O" 365+10.90 EGAN DRIVE
26446.869	9656.783	N.A.		PC "O" 360+89.63 EGAN DRIVE
26011.642	10058.816	N.A.		PT "O" 350+40.28 EGAN DRIVE
26271.467	9770.917	N.A.		DOH CL MON OLD DAIRY
26219.405	9821.785	N.A.		DOH CL MON OLD DAIRY
26314.386	9244.439	1+411.452	10.628 LT	DOH PI MON 13+57.57 1984
26392.423	8903.789	1+755.542	11.331 LT	DOT PI MON 24+87.44 1984
26686.572	8722.613	2+092.091	18.169 LT	DOT PI MON 35+98.10 1984
26862.452	8779.275	2+269.359	22.609 LT	CONCRETE R/W POST
26926.403	8833.772	2+350.372	2.958 LT	DOH PI MON "L" 17+45.83
26256.211	9038.387	1+597.194	103.038 LT	DOT CL MON SHELL SIMMONS
26253.460	9037.522	1+597.431	105.912 LT	DOT CL MON SHELL SIMMONS
26247.960	9036.885	1+596.839	111.417 LT	DOT CL MON SHELL SIMMONS
26213.883	9032.271	1+593.821	145.672 LT	DOT CL MON SHELL SIMMONS
26556.696	9678.536	N.A.		GLO BC C-4 USS 1195
26497.929	9574.832	1+036.697	24.364 RT	T&N PLAS CAP
26486.669	9571.979	1+044.095	15.409 RT	T&N PLAS CAP
26463.490	9523.475	1+097.852	15.222 RT	T&N PLAS CAP
26435.776	9464.944	1+162.612	15.230 RT	PLAS CAP ILLEGIBLE
26423.165	9509.485	1+127.757	15.233 LT	T&N 3" AL MON
26357.729	9371.394	1+280.566	15.261 LT	T&N 3" AL MON
26329.989	9353.960	1+308.197	32.870 LT	T&N PLAS CAP
26346.904	9153.116	1+505.300	10.732 RT	T&N PLAS CAP
26383.225	9353.994	1+285.379	15.228 RT	T&N AL CAP
26271.764	9277.275	1+390.199	58.139 LT	USDA BC USS 381/1194/1434
26476.101	9437.536	1+170.122	63.406 RT	REBAR NO CAP
26501.797	9475.323	1+124.973	70.454 RT	REBAR NO CAP
26412.472	9276.622	1+342.785	74.780 RT	T&N PLAS CAP
26412.683	9320.725	1+302.837	56.092 RT	T&N PLAS CAP
26275.996	9240.453	1+417.670	48.540 LT	R&M AL CAP
26373.212	9157.401	1+506.925	37.337 RT	WKVH AL MON
26276.894	9190.859	1+456.464	49.762 LT	SPIKE IN PAVEMENT
26335.505	9109.418	1+545.407	10.027 LT	SPIKE IN PAVEMENT
26288.660	9099.039	1+545.195	58.007 LT	SPIKE IN PAVEMENT
26320.742	9063.244	1+587.186	34.613 LT	R&M PLAS CAP
26374.886	8907.442	1+744.347	24.018 LT	R&M BC MON AP-13
26425.844	8869.576	1+799.782	11.859 LT	ALS 3" AL MON
26401.723	8673.177	1+881.454	191.357 LT	T&N BRASS CAP
26529.134	8672.719	1+990.165	124.907 LT	T&N BRASS CAP
26383.523	8693.369	1+855.367	183.714 LT	R&M BRASS CAP
26659.660	8723.335	2+068.739	21.341 LT	REBAR NO CAP
26684.497	8708.405	2+091.086	32.477 LT	JW BEAN PLAS CAP
26730.312	8763.181	2+140.541	17.372 RT	R&M 3" AL MON
26842.328	8768.879	2+246.927	23.521 LT	T&N PLAS CAP
27477.801	8467.996	N.A.		2" BRASS CAP USS 381/1193/1284
27334.694	8468.534	N.A.		3" BC USS 381/USS 1193
27018.601	8469.811	N.A.		2" WKVH BRASS CAP
26681.180	9274.271	N.A.		T&N AL CAP USS 381/1194
26253.573	9258.949	1+405.706	72.75 LT	R&M AL CAP
26857.720	8824.667	2+284.739	20.355 RT	R&M PLAS CAP
26859.496	8823.168	2+285.692	18.23 RT	LS 6277 PLAS CAP
26894.062	8839.943	2+324.576	17.662 RT	LS 6277 PLAS CAP
26950.205	8869.277	2+388.280	16.782 RT	LS 6277 PLAS CAP
27058.886	8931.471	2+513.646	18.626 RT	LS 6277 PLAS CAP

PROJECT CENTERLINE

STATION	NORTHING	EASTING
B.O.P. 1+015.642	26484.922	9604.289
P.C. 1+352.205	26340.858	9300.118
P.T. 1+468.540	26328.327	9186.602
P.C. 1+701.772	26379.782	8959.118
P.T. 1+809.246	26440.635	8873.969
P.C. 2+025.369	26624.630	8760.591
P.T. 2+158.513	26752.221	8753.040
P.C. 2+256.250	26840.896	8794.140
P.T. 2+355.941	26929.885	8839.035
P.I. 2+450	27012.408	8884.168
E.O.P. 2+574.539	27121.130	8944.909

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY that I am properly registered and licensed to practice land surveying in the State of Alaska and that this plat was made by me or under my supervision. I declare that this plat was based upon the monuments recovered during State of Alaska Locations Survey _____ dated _____ and that all dimensions and other details are accurate.

Robert B. Murphy LS-7331 Date

STATE OF ALASKA 49th Robert B. Murphy LS#7331 REGISTERED PROFESSIONAL LAND SURVEYOR

DATE	REVISIONS	BY
1/01	ADD TABLES	GY

STATE OF ALASKA

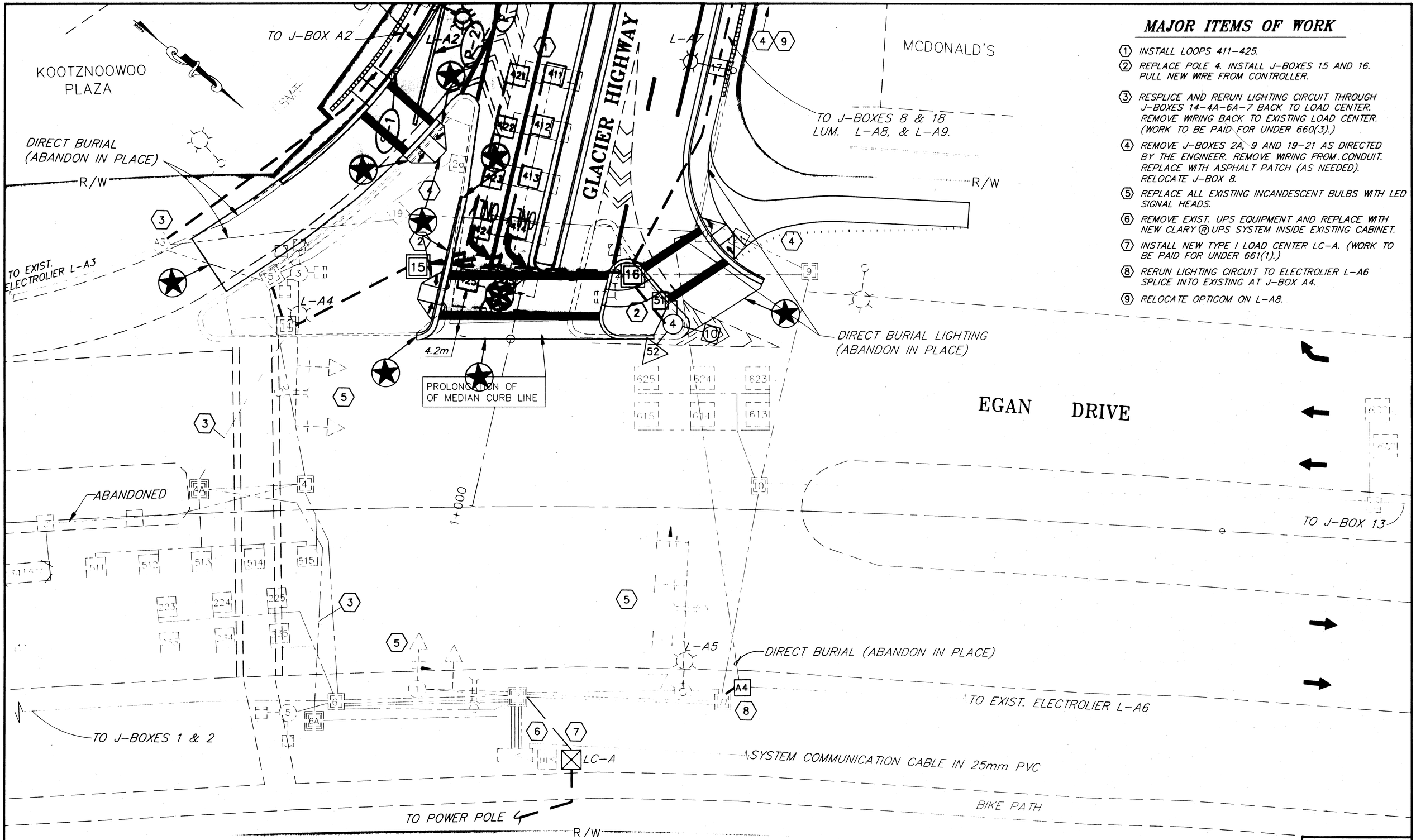
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES

RIGHT OF WAY MAP

ALASKA PROJECT NO.
F-M-0005(090) 69755
GLACIER HIGHWAY
EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD

DRAWN ROW	DATE 1/00	SCALE 1:250	
CHECKED	DATE	SHEET ~~12~~ OF ~~12~~	

R11



MAJOR ITEMS OF WORK

1. INSTALL LOOPS 411–425.
2. REPLACE POLE 4. INSTALL J-BOXES 15 AND 16. PULL NEW WIRE FROM CONTROLLER.
3. RESPLICE AND RERUN LIGHTING CIRCUIT THROUGH J-BOXES 14-4A-6A-7 BACK TO LOAD CENTER. REMOVE WIRING BACK TO EXISTING LOAD CENTER. (WORK TO BE PAID FOR UNDER 660(3).)
4. REMOVE J-BOXES 2A, 9 AND 19–21 AS DIRECTED BY THE ENGINEER. REMOVE WIRING FROM CONDUIT. REPLACE WITH ASPHALT PATCH (AS NEEDED). RELOCATE J-BOX 8.
5. REPLACE ALL EXISTING INCANDESCENT BULBS WITH LED SIGNAL HEADS.
6. REMOVE EXIST. UPS EQUIPMENT AND REPLACE WITH NEW CLARY ® UPS SYSTEM INSIDE EXISTING CABINET.
7. INSTALL NEW TYPE I LOAD CENTER LC-A. (WORK TO BE PAID FOR UNDER 661(1).)
8. RERUN LIGHTING CIRCUIT TO ELECTROLIER L-A6 SPLICE INTO EXISTING AT J-BOX A4.
9. RELOCATE OPTICOM ON L-A8.

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Eganint.dwg Mon, 19/Mar/01 08:51AM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=200(F)		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

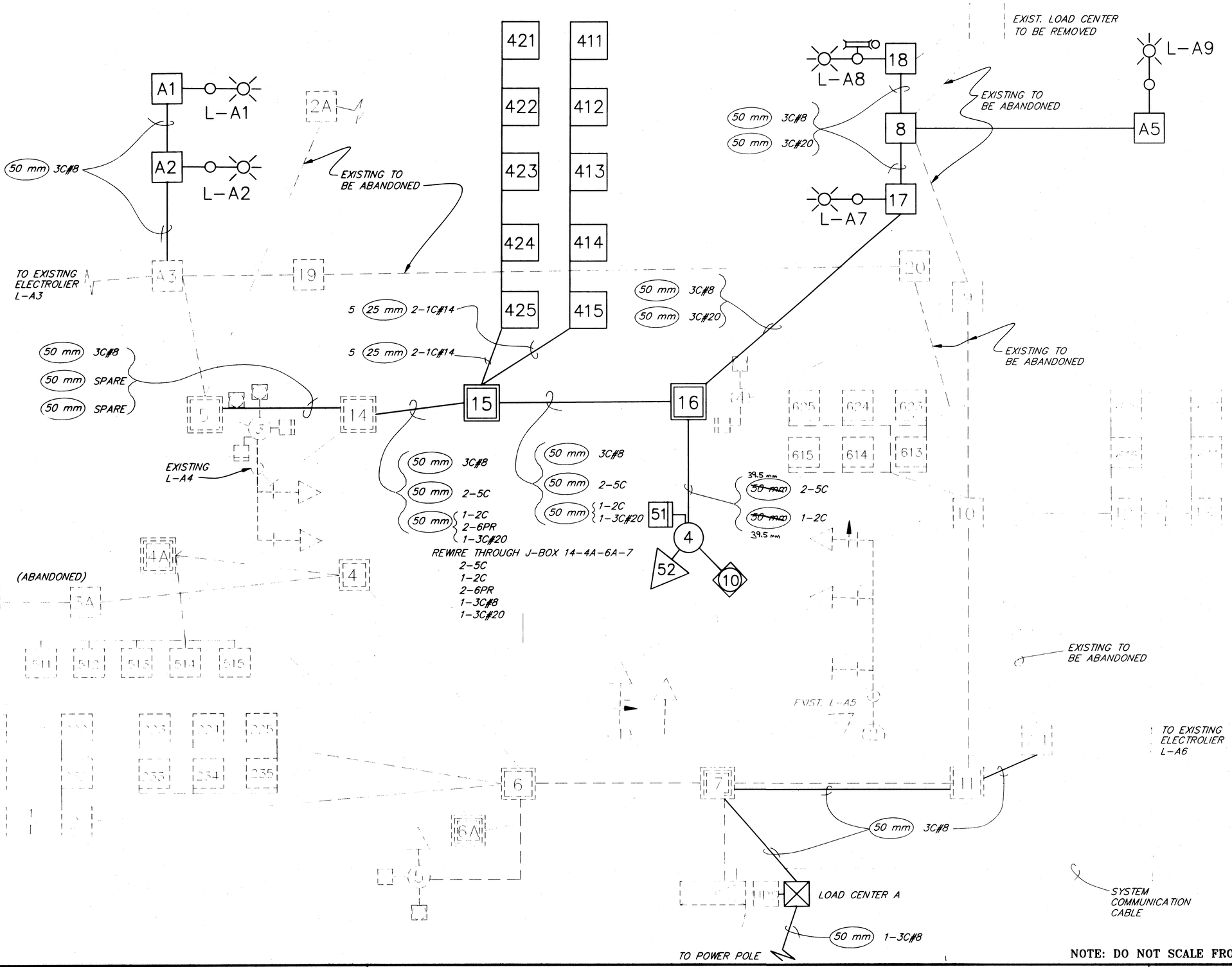
JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

EGAN DRIVE AT McNUGGET INTERSECTION

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: LR/BB/KK/RS	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET S1

STATE OF ALASKA
19th
Mike Lukshin
CE-8737
REGISTERED ENGINEER



NOTES

1. A BARE STRANDED GROUND CONDUCTOR SHALL BE INSTALLED IN ALL CONDUIT AND ATTACHED TO POLES, CONDUIT AND BUSHINGS, ETC.
2. STREET LIGHTING CONDUCTOR SHALL NOT ENTER THE CONTROLLER CABINET.

LEGEND

- CONTROLLER CABINET (SHOWN DIRECTION OF DOOR SWING)
- LOAD CENTER
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABINET
- 2 — TYPE IA J-BOX
- 2 — TYPE II J-BOX
- 2 — TYPE III J-BOX
- 50mm — RIGID METAL CONDUIT
- OPTICOM DETECTOR
- 615 — LOOP DETECTOR
- 215 — BICYCLE LOOP DETECTOR

LOW VOLTAGE SIGNAL CONDUCTOR

1C #14:	LOOP WIRES
2C #14:	LOOP LEAD-IN
2C:	PEDESTRIAN PUSH BUTTON
6PR:	MULTI-LOOP LEAD-IN
3C #20:	PROPRIETARY OPTICOM CABLE

120 VOLT SIGNAL CONDUCTOR

5C:	PEDESTRIAN AND STANDARD SIGNAL HEADS
7C:	5 SECTION SIGNAL HEADS

LIGHTING AND POWER CONDUCTOR

3C#X:	LIGHTING OR SIGNAL POWER

THE NUMBER PRECEEDING THE CABLE DESIGNATION INDICATED THE NUMBER OF CABLES TO BE INSTALLED.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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PLOT: MSPACE: 1=1(F)

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

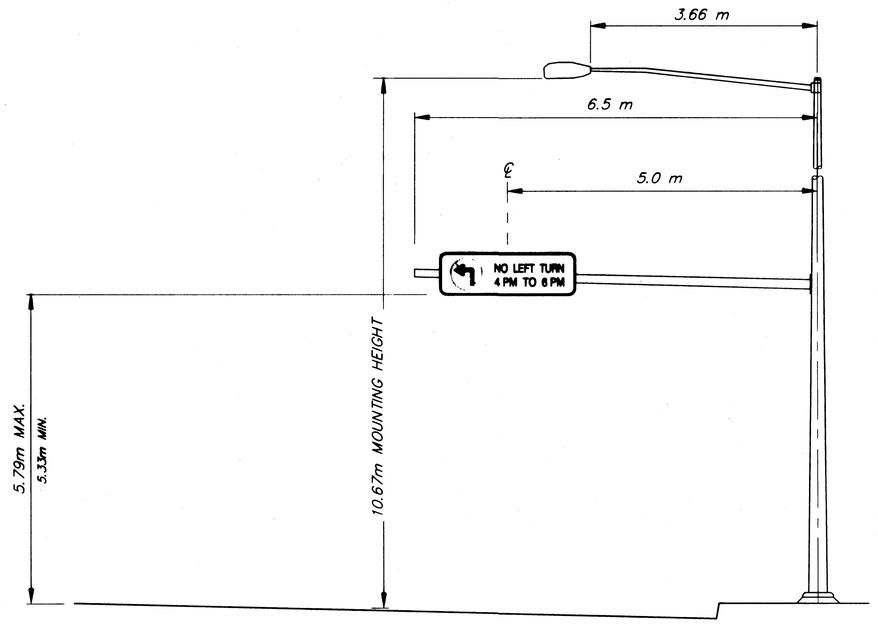
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

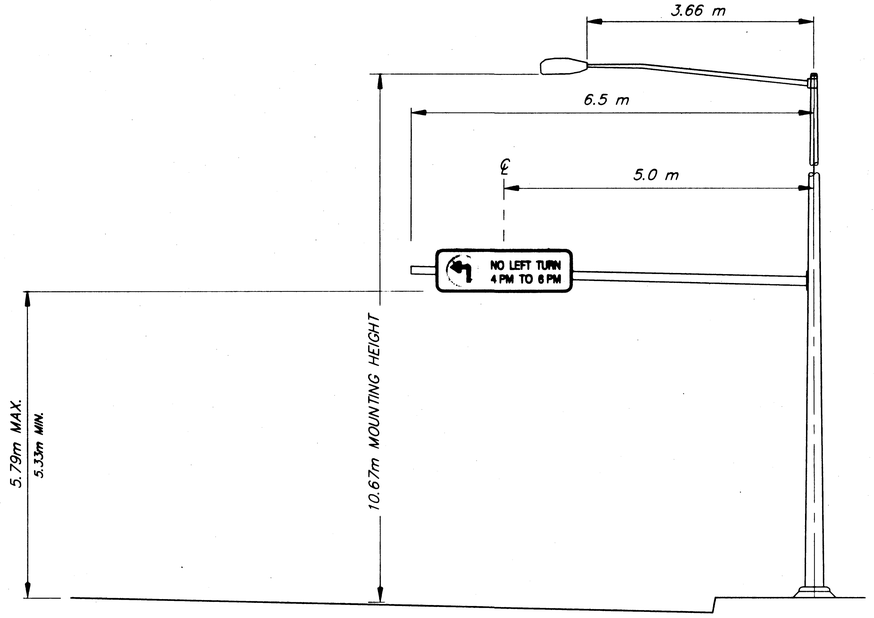
EGAN DRIVE AT McNUGGET WIRING DIAGRAM

DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET S2

STATE OF ALASKA 19th Mike Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER



SIGN POLE NO. 8 OLD DAIRY RD.
SOUTHBOUND



SIGN POLE NO. 7, TROUT ST.
EASTBOUND

NOTES:

1. *SIGNAL POLES, MAST ARMS AND LUMINAIRES SHALL BE DESIGNED FOR 167 KPH WIND SPEED.*
2. *POLES SHALL BE PAID FOR AS A PART OF 660(1A), JORDAN AVE. TRAFFIC SIGNAL SYSTEM COMPLETE.*
3. *FOR FOUNDATION DETAILS, SEE STANDARD DRAWING T-52.12M.*

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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PLOT: PSPACE: 1=1(F) OR MSPACE: 1=50(F) METRIC		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU *ALASKA*

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

TROUT ST./OLD DAIRY RD. POLE DETAILS

DESIGNED BY: *K. MATTSON*	PROJECT NO. *69755*
DRAWN BY: *D. STEVENS*	DATE: *2000*
CHECKED BY: *M. LUKSHIN*	SHEET *S3*

STATE OF ALASKA 19th Michael Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER

PHASE DIAGRAM			
future 1	←---→2	3	↑↑ 4
future 5	←—— 6	7	↓↓ 8

ALASKA FEDERAL SAVINGS

LYLE'S FURNITURE

JORDAN AVENUE

GLACIER HIGHWAY

R/W

LC-B

TYPE 1 LIGHTING J-BOX

EXISTING J-BOX

TYPE 1 J-BOX

TO J-BOX B3, SEE SHEET J1

TO J-BOX B8 (INTERCONNECTED)

TO J-BOX B7

EXISTING SIGN

PROLONGATION OF OF CURB LINE

PROLONGATION OF CURB LINE

1+260 1+280 1+300 1+340 1+360

"O" PC = 1+352.205

FIRST NATIONAL BANK OF ANCHORAGE

JORDAN AVE

ESH

* FUTURE SIGNAL HEAD LOCATIONS

PATH: Q:\Jnu\69755\Planset\Intsignal.dwg Mon, 19/Mar/01 08:56AM		
PLOT: PS: 1=1(F) MS: 1=150(F) VIEWS: P1, T1 TAB: JORDAN		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90)~ PROJECT NO. 69755

JORDAN AVENUE
INTERSECTION SIGNALIZATION PLAN

DESIGNED BY: *R. PURVES*	PROJECT NO. *69755*
DRAWN BY: *R. SNYDER*	DATE: *2001*
CHECKED BY: *M. LUKSHIN*	SHEET *S4*

STATE OF ALASKA — Mike Lukshin CE-8737 — REGISTERED PROFESSIONAL ENGINEER

JORDAN AVENUE AT GLACIER HIGHWAY/DETECTOR SUMMARY TABLE

LOOP NO.	DETECTOR		390 CJ CONTROLLER		FUNCTION TYPE	OFFSET	SIZE FT.	REMARKS
	DETECTOR NO.	CHANNEL NO.	DETECTOR	CHANNEL				
211	1	1	VEH 5	2	VEH	RT	6x6	211-214 CONNECTED IN SERIES.
212	1	1	VEH 5	2	VEH	RT	6x6	SEE TYPICAL WIRING DETAIL.
213	1	1	VEH 5	2	VEH	RT	6x6	
214	1	1	VEH 5	2	VEH	RT	6x6	
215	1	1	VEH 5	2	VEH	RT	BIKE	
221	1	2	VEH 2	2	VEH	RT	6x6	221-225 CONNECTED IN SERIES.
222	1	2	VEH 2	2	VEH	RT	6x6	SEE TYPICAL WIRING DETAIL.
223	1	2	VEH 2	2	VEH	RT	6x6	
224	1	2	VEH 2	2	VEH	RT	6x6	
225	1	2	VEH 2	2	VEH	RT	6x6	
411	2	1	VEH 7	4	VEH	RT	6x6	411-414 CONNECTED IN SERIES.
412	2	1	VEH 7	4	VEH	RT	6x6	SEE TYPICAL WIRING DETAIL.
413	2	1	VEH 7	4	VEH	RT	6x6	
414	2	1	VEH 7	4	VEH	RT	BIKE	421-424 CONNECTED IN SERIES.
421	2	2	VEH 7	4	VEH	RT	6x6	SEE TYPICAL WIRING DETAIL.
422	2	2	VEH 7	4	VEH	RT	6x6	
423	2	2	VEH 7	4	VEH	RT	6x6	
611	3	1	VEH 1	6	VEH	LT	6x6	611-613 & 615 CONNECTED IN SERIES.
612	3	1	VEH 1	6	VEH	LT	6x6	SEE TYPICAL WIRING DETAIL.
613	3	1	VEH 1	6	VEH	LT	6x6	
614	3	1	VEH 1	6	VEH	LT	BIKE	
615	3	1	VEH 1	6	VEH	LT	6x6	
621	3	2	VEH 6	6	VEH	LT	6x6	621-625 CONNECTED IN SERIES.
622	3	2	VEH 6	6	VEH	LT	6x6	SEE TYPICAL WIRING DETAIL.
623	3	2	VEH 6	6	VEH	LT	6x6	
624	3	2	VEH 6	6	VEH	LT	6x6	
625	3	2	VEH 6	6	VEH	LT	6x6	
811	3	3	VEH 3	8	VEH	LT	6x6	811-814 CONNECTED IN SERIES.
812	3	3	VEH 3	8	VEH	LT	6x6	SEE TYPICAL WIRING DETAIL.
813	3	3	VEH 3	8	VEH	LT	6x6	
814	3	3	VEH 3	8	VEH	LT	6x6	
815	3	3	VEH 3	8	VEH	LT	BIKE	
821	3	4	VEH 8	8	VEH	LT	6x6	821-824 CONNECTED IN SERIES.
822	3	4	VEH 8	8	VEH	LT	6x6	SEE TYPICAL WIRING DETAIL.
823	3	4	VEH 8	8	VEH	LT	6x6	
824	3	4	VEH 8	8	VEH	LT	6x6	
825	3	4	VEH 8	8	VEH	LT	BIKE	
	4	NA	NA	NA				SPARE

DETECTOR NOTES:

1. EACH LOOP SHALL HAVE ITS OWN SEPARATE LEAD-IN CABLE.
2. USE 6-PAIR MULTI-CONDUCTOR LEAD-IN CABLE. EACH LOOP SHALL HAVE ITS OWN SEPARATE PAIR.
3. ALL LOOPS SHALL BE PRESENCE.

STATION	OFFSET
1+294.76	15.884 LT.
1+288.50	16.8 Rt

JORDAN AVENUE-SIGNAL HEAD SUMMARY TABLE

SIGNAL HEAD NO.	POLE	PHASE	INDICATION	LENS SIZE	MOUNTING TYPE	FACING	REMARKS
1	~~X~~3	4	R,Y,G	300mm	ASTRO BRAC AB 0116	SB	
2	1	4	R,Y,G	300mm	S-1	SB	
3	1	2	PED SYMBOL		CLAMSHELL MOUNT	WB	
4	1	4	PED SYMBOL		CLAMSHELL MOUNT	SB	
5	2	2	R,L Y,Y,LG,R	300mm	ASTRO BRAC AB 0109	WB	MUTCD CONFIG S (FUTURE)
6	2	2	R,Y,G	300mm	ASTRO BRAC AB 0116	WB	
7	2	2	R,Y,G	300mm	S-1	WB	
8	2	4	PED SYMBOL		CLAMSHELL MOUNT	NB	
9	2	2	PED SYMBOL		CLAMSHELL MOUNT	WB	
10	5	8	R,Y,G	300mm	ASTRO BRAC AB 0116	NB	
11	5	8	R,Y,G	300mm	S-1	NB	
12	4	6	PED SYMBOL		CLAMSHELL MOUNT	EB	
13	4	8	PED SYMBOL		CLAMSHELL MOUNT	NB	
14	3	6	R,L Y,Y,LG,R	300mm	ASTRO BRAC AB 0109	EB	MUTCD CONFIG S (FUTURE)
15	3	6	R,Y,G	300mm	ASTRO BRAC AB 0116	EB	
16	3	6	R,Y,G	300mm	S-1	EB	
17	3	8	PED SYMBOL		CLAMSHELL MOUNT	SB	
18	3	6	PED SYMBOL		CLAMSHELL MOUNT	EB	

SIGNAL HEAD NOTES:

1. FOR THIS TABLE, GLACIER HIGHWAY IS CONSIDERED AS ORIENTED EAST/WEST.
2. INSTALL PELCO ASTRO BRAC OR EQUAL WITH 50mm GALVANIZED STEEL NIPPLE, AND STAINLESS HARDWARE.
3. ALL SIGNAL HEADS SHALL BE LED.
4. AS PART OF THIS BID ITEM (660(1B) THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH THE FOLLOWING SPARE LED MODULES:
   2 RED LEFT TURN ARROWS
   2 YELLOW LEFT TURN ARROWS
   2 GREEN LEFT TURN ARROWS
   2 RED BALLS
   2 YELLOW BALLS
   2 GREEN BALLS
   THESE MODULES SHALL BE DELIVERED TO THE S.E. REGION MAINTENANCE SECTION AT 6860 GLACIER HIGHWAY.

JORDAN AVENUE-POLE SUMMARY TABLE

POLE NO.	STATION	OFFSET	SPECIAL FEATURES	MAST ARM LENGTH	LUMINAIRE MAST ARM LENGTH
1	1+318.44	14.48 LT		~~3.60~~ m	~~3.66~~ m
2	1+315.47	12.00 RT	11.6m	~~10.80~~ m	4.57 m
3	~~1+294.96~~	~~14.95 LT~~	2 Mast Arms: 15.24, 13.72 m	~~13.65 m~~	4.57 m
4	~~1+295.34~~	~~11.01 RT~~		NA	3.66 m
5	1+291.61	22.00 RT	6.7m	~~5.80~~ m	NA
*6	1+113.00	22.43 LT	OVERHEAD SIGN	6.00 m	3.66 m
*7	1+100.77	23.08 RT	OVERHEAD SIGN	6.00 m	3.66 m

* OVERHEAD SIGN POLE

JORDAN AVENUE-JUNCTION BOX SUMMARY TABLE

NUMBER	STATION	OFFSET	TYPE	REMARKS
1	1+318.40	15.9 LT.	III	
2	1+311.50	13.7 RT.	II	
3	1+296.70	16.4 LT.	III	
4	~~1+298.20~~	~~9.2 RT.~~	III	STA: 1+285.8 OFFSET: 15.4 Rt.
5	1+290.40	20.1 RT.	IA	
6	1+322.50	10.2 LT.	II	(FOR POLES 1 & 2)
7	1+339.50	11.4 LT.	II	

JORDAN AVENUE-PEDESTRIAN PUSH BUTTONS

POLE NO.	BUTTON NO.	STREET CROSSING	PHASE	FACING
1	1	JORDAN AVENUE	6	EB
1	2	GLACIER HIGHWAY	4	NB
2	3	GLACIER HIGHWAY	4	SB
2	4	JORDAN AVENUE	2	EB
4	5	JORDAN AVENUE	2	WB
4	6	GLACIER HIGHWAY	8	SB
3	7	GLACIER HIGHWAY	8	NB
3	8	JORDAN AVENUE	6	WB

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

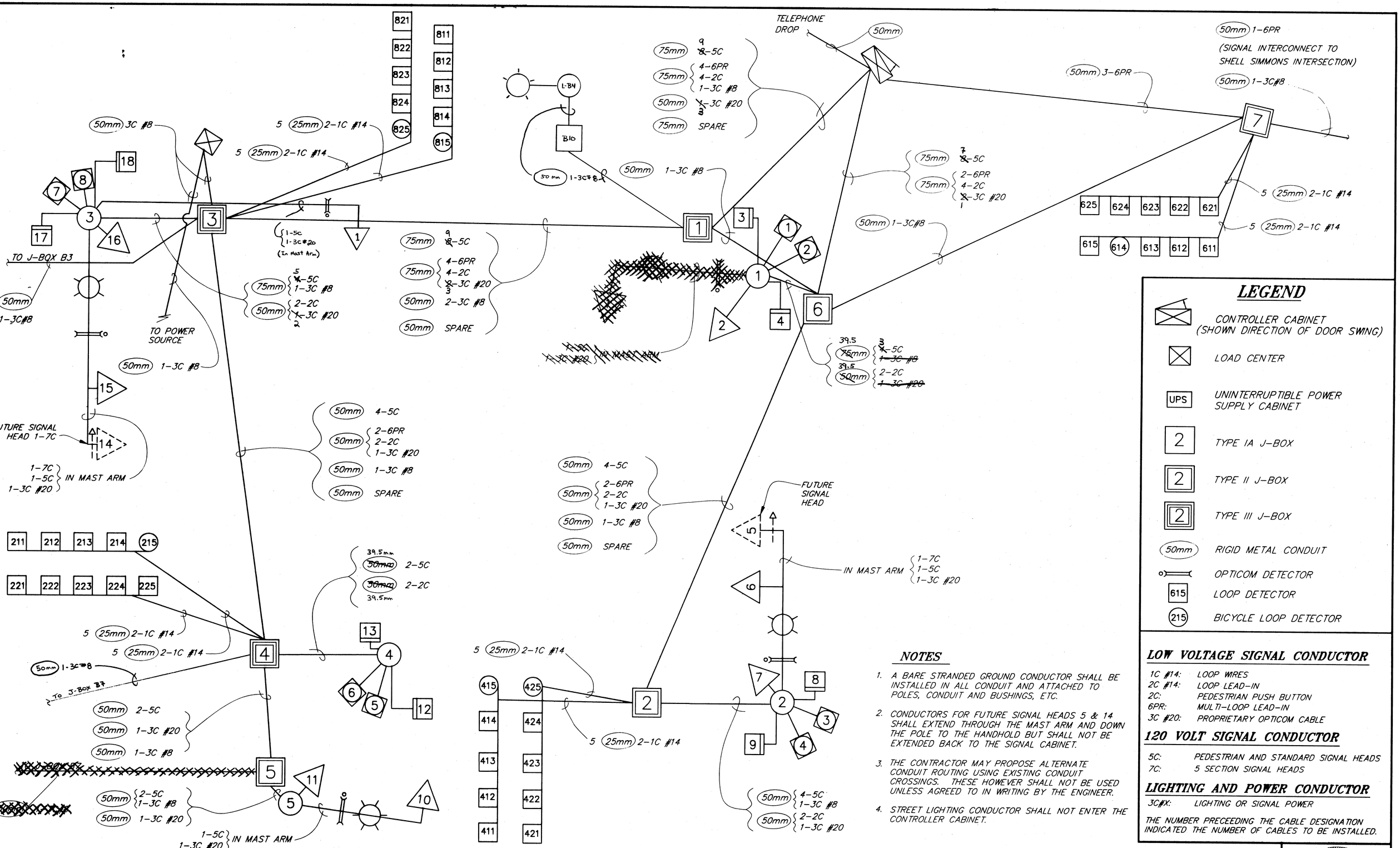
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

JORDAN AVENUE SUMMARIES

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: K. MATTSON	SHEET S5

STATE OF ALASKA
1959
Mike Lee Jim
CE-8737
REGISTERED PROFESSIONAL ENGINEER



LEGEND

- CONTROLLER CABINET (SHOWN DIRECTION OF DOOR SWING)
- LOAD CENTER
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABINET
- 2 — TYPE IA J-BOX
- 2 — TYPE II J-BOX
- 2 — TYPE III J-BOX
- 50mm — RIGID METAL CONDUIT
- OPTICOM DETECTOR
- 615 — LOOP DETECTOR
- 215 — BICYCLE LOOP DETECTOR

NOTES

1. A BARE STRANDED GROUND CONDUCTOR SHALL BE INSTALLED IN ALL CONDUIT AND ATTACHED TO POLES, CONDUIT AND BUSHINGS, ETC.
2. CONDUCTORS FOR FUTURE SIGNAL HEADS 5 & 14 SHALL EXTEND THROUGH THE MAST ARM AND DOWN THE POLE TO THE HANDHOLD BUT SHALL NOT BE EXTENDED BACK TO THE SIGNAL CABINET.
3. THE CONTRACTOR MAY PROPOSE ALTERNATE CONDUIT ROUTING USING EXISTING CONDUIT CROSSINGS. THESE HOWEVER SHALL NOT BE USED UNLESS AGREED TO IN WRITING BY THE ENGINEER.
4. STREET LIGHTING CONDUCTOR SHALL NOT ENTER THE CONTROLLER CABINET.

LOW VOLTAGE SIGNAL CONDUCTOR

1C #14:	LOOP WIRES
2C #14:	LOOP LEAD-IN
2C:	PEDESTRIAN PUSH BUTTON
6PR:	MULTI-LOOP LEAD-IN
3C #20:	PROPRIETARY OPTICOM CABLE

120 VOLT SIGNAL CONDUCTOR

5C:	PEDESTRIAN AND STANDARD SIGNAL HEADS
7C:	5 SECTION SIGNAL HEADS

LIGHTING AND POWER CONDUCTOR

3C#X:	LIGHTING OR SIGNAL POWER

THE NUMBER PRECEEDING THE CABLE DESIGNATION INDICATED THE NUMBER OF CABLES TO BE INSTALLED.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Jordwire.dwg Mon, 19/Mar/01 09:00AM		
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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

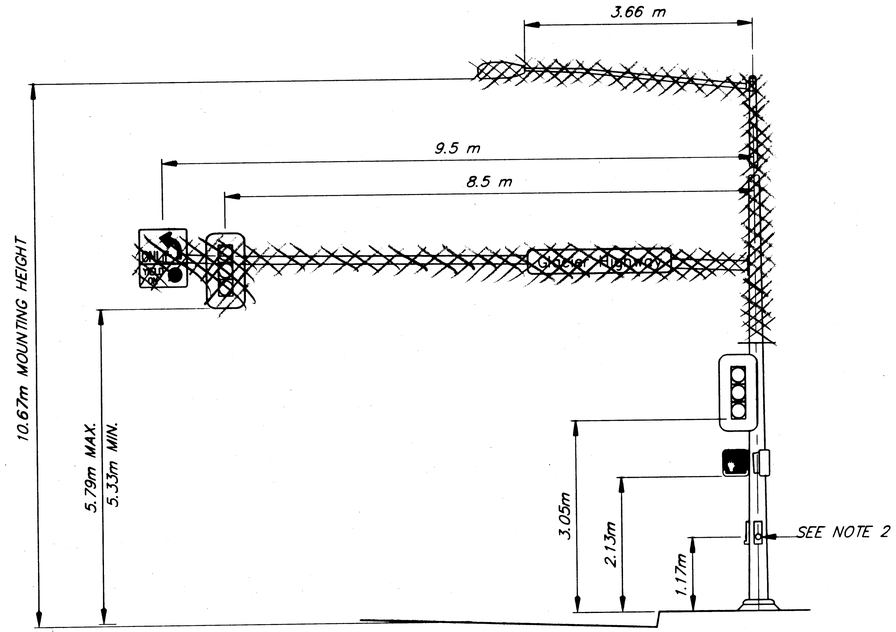
JORDAN AVENUE WIRING SCHEMATIC

DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET S6

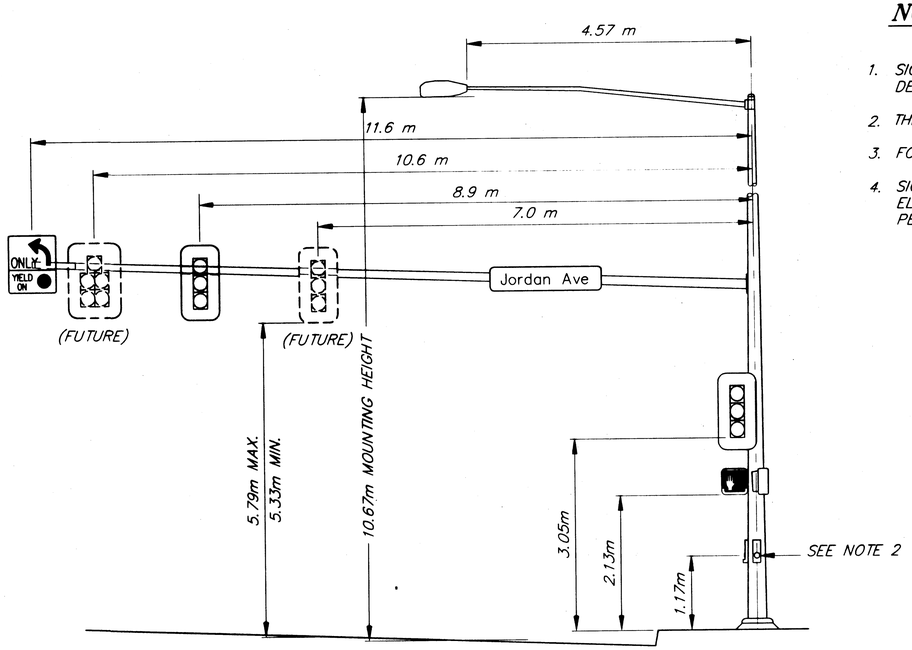
STATE OF ALASKA — 19th — Mike Lukshin — CE-8737 — REGISTERED PROFESSIONAL ENGINEER

NOTES:

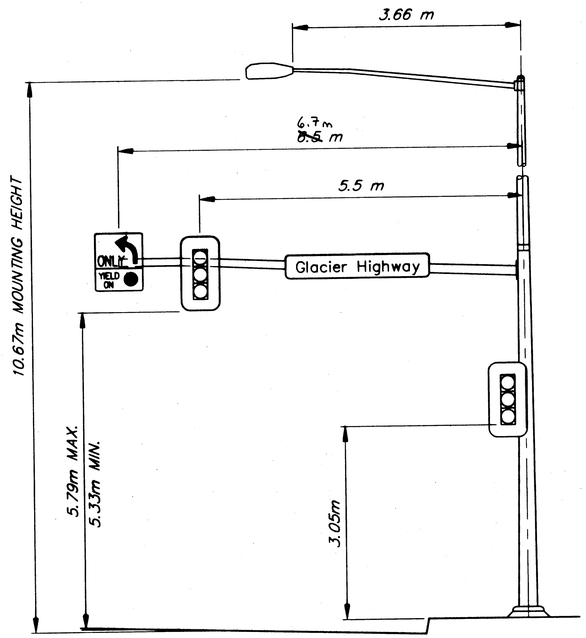
1. SIGNAL POLES, MAST ARMS AND LUMINAIRES SHALL BE DESIGNED FOR 167 KPH WIND SPEED.
2. THE 1.17 m DIMENSION IS TO THE CENTER OF THE BUTTON.
3. FOR FOUNDATION DETAILS, SEE STANDARD DRAWING T-52.12M.
4. SIGNAL POLE NO. 4 SHALL BE A STANDARD BREAK-AWAY ELECTROLIER WITH PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSH BUTTONS ATTACHED.



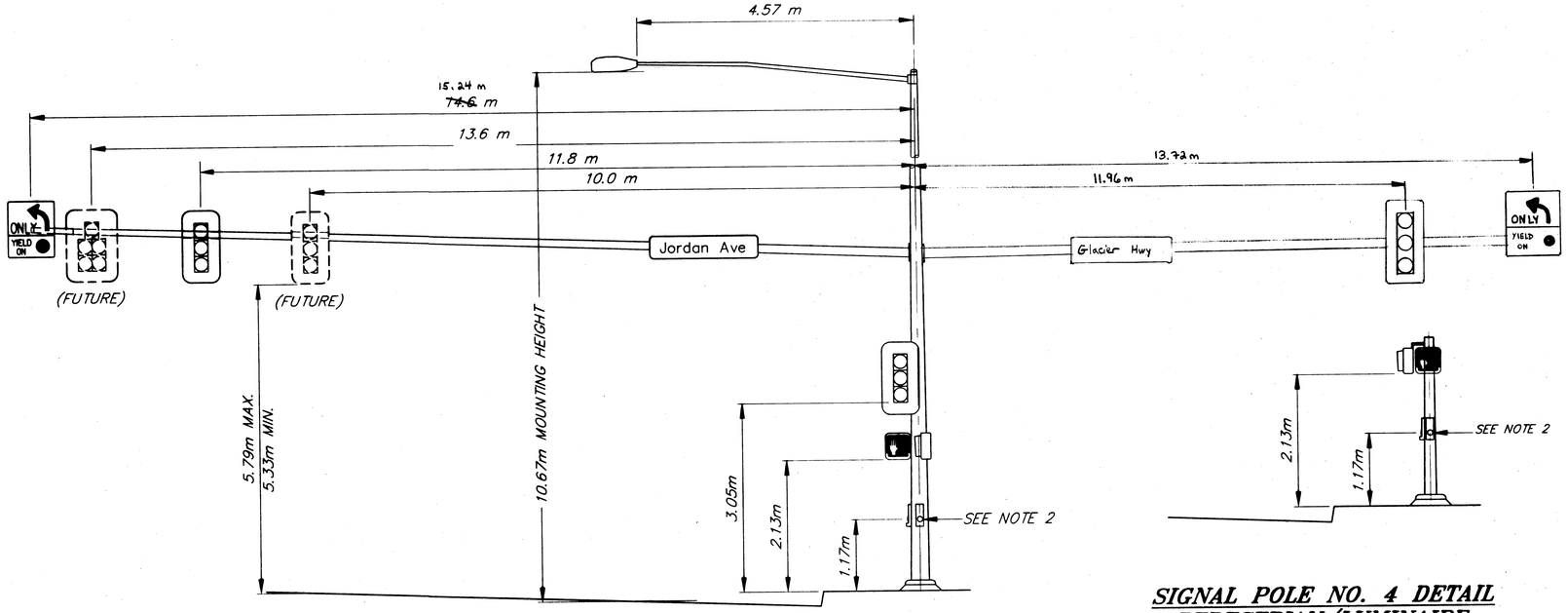
SIGNAL POLE NO. 1 DETAIL
SOUTHBOUND



SIGNAL POLE NO. 2 DETAIL
WESTBOUND



SIGNAL POLE NO. 5 DETAIL
NORTHBOUND



SIGNAL POLE NO. 3 DETAIL
EASTBOUND

SIGNAL POLE NO. 4 DETAIL
PEDESTRIAN/LUMINAIRE

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Jordpole.dwg Mon, 19/Mar/01 09:01AM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=50(F) METRIC		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90) ~ PROJECT NO. 69755

JORDAN AVENUE POLE DETAILS

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: B.B./R.S.	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET S7

STATE OF ALASKA 1910 Michael Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER

PHASE DIAGRAM			
future 1	2	3	4
future 5	6	7	8

"PARTS PLUS"
VALLEY AUTO PARTS

ESMT

PL

R/W

ESMT

JBOX

TO J-BOX C6, SEE SHEET J2
(INTERCONNECT W/LIGHTING)

GLACIER HIGHWAY

SHELL SIMMONS DRIVE

LC-C

TO POWER SOURCE

TO J-BOX C7, SEE SHEET J2

PROLONGATION OF
OF MEDIAN CURB LINE

PROLONGATION
OF CURB LINE

N77°15'17"W
233.231m

1+560

1+640

1.8m TYP.

4.2

4.3

TO J-BOX C3

ESMT

LEE SMITH DRIVE

PL

* FUTURE SIGNAL HEAD LOCATIONS

PUMP ISLAND

NATIONAL BANK OF ALASKA

AIRPORT UNION

PATH: Q:\Jnu\69755\Planset\Intsignal.dwg Mon, 19/Mar/01 08:58AM		
PLOT: PS: 1=1(F) MS: 1=150(F) VIEWS: P2, T2 TAB: SHELL-LEE		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

SHELL SIMMONS DR. & LEE SMITH DR.

INTERSECTION SIGNALIZATION PLAN

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET S8

STATE OF ALASKA
1990
Mike Lukshin
CE-8737
REGISTERED PROFESSIONAL ENGINEER

SHELL SIMMONS DRIVE AT GLACIER HIGHWAY/DETECTOR SUMMARY TABLE

DETECTOR NO.	DETECTOR		390 CJ CONTROLLER		FUNCTION TYPE	OFFSET	SIZE FT.	REMARKS
	DETECTOR NO.	CHANNEL NO.	DETECTOR	CHANNEL				
211	1	1	VEH 5	2	VEH	RT	6x6	211-213 & 215 CONNECTED IN SERIES.
212	1	1	VEH 5	2	VEH	RT	6x6	SEE TYPICAL WIRING DETAIL.
213	1	1	VEH 5	2	VEH	RT	6x6	
214	1	1	VEH 5	2	VEH	RT	BIKE	
215	1	1	VEH 5	2	VEH	RT	6x6	
221	1	2	VEH 2	2	VEH	RT	6x6	221-225 CONNECTED IN SERIES.
222	1	2	VEH 2	2	VEH	RT	6x6	SEE TYPICAL WIRING DETAIL.
223	1	2	VEH 2	2	VEH	RT	6x6	
224	1	2	VEH 2	2	VEH	RT	6x6	
225	1	2	VEH 2	2	VEH	RT	6x6	
411	1	3	VEH 7	4	VEH	RT	6x6	411 & 413 CONNECTED IN SERIES.
412	1	3	VEH 7	4	VEH	RT	BIKE	SEE TYPICAL WIRING DETAIL.
413	1	3	VEH 7	4	VEH	RT	6x6	
421	1	4	VEH 7	4	VEH	RT	6x6	421 & 423 CONNECTED IN SERIES.
422	1	4	VEH 7	4	VEH	RT	BIKE	SEE TYPICAL WIRING DETAIL.
423	1	4	VEH 7	4	VEH	RT	6x6	
611	2	1	VEH 1	6	VEH	LT	6x6	611-614 CONNECTED IN SERIES.
612	2	1	VEH 1	6	VEH	LT	6x6	SEE TYPICAL WIRING DETAIL.
613	2	1	VEH 1	6	VEH	LT	6x6	
614	2	1	VEH 1	6	VEH	LT	6x6	
615	2	1	VEH 1	6	VEH	LT	BIKE	
621	2	2	VEH 6	6	VEH	LT	6x6	621-625 CONNECTED IN SERIES.
622	2	2	VEH 6	6	VEH	LT	6x6	SEE TYPICAL WIRING DETAIL.
623	2	2	VEH 6	6	VEH	LT	6x6	
624	2	2	VEH 6	6	VEH	LT	6x6	
625	2	2	VEH 6	6	VEH	LT	6x6	
811	2	3	VEH 3	8	VEH	LT	6x6	811-814 CONNECTED IN SERIES.
812	2	3	VEH 3	8	VEH	LT	6x6	SEE TYPICAL WIRING DETAIL.
813	2	3	VEH 3	8	VEH	LT	6x6	
814	2	3	VEH 3	8	VEH	LT	6x6	
815	2	3	VEH 3	8	VEH	LT	BIKE	
821	2	4	VEH 8	8	VEH	LT	6x6	821-824 CONNECTED IN SERIES.
822	2	4	VEH 8	8	VEH	LT	6x6	SEE TYPICAL WIRING DETAIL.
823	2	4	VEH 8	8	VEH	LT	6x6	
824	2	4	VEH 8	8	VEH	LT	6x6	
825	2	4	VEH 8	8	VEH	LT	BIKE	
	3	NA	NA	NA				SPARE

DETECTOR NOTES:

1. EACH LOOP SHALL HAVE ITS OWN SEPARATE LEAD-IN CABLE.
2. USE 6-PAIR MULTI-CONDUCTOR LEAD-IN CABLE. EACH LOOP SHALL HAVE ITS OWN SEPARATE PAIR.
3. ALL LOOPS SHALL BE PRESENCE.
4. FUTURE HEADS SHALL BE DELIVERED TO MAINTENANCE AT GLACIER AVENUE BUILDING FOR LATTER INSTALLATION.

SHELL SIMMONS DRIVE-JUNCTION BOX SUMMARY TABLE

NUMBER	STATION	OFFSET	TYPE	REMARKS
1	1+606.5	21 LT	2	
2	1+605	10.0 LT	2	
3	1+604	12 RT	2	
4	1+576	10 RT	2	
5	1+578	11.2 LT	3	
6	1+620	13.4 LT	2	

SHELL SIMMONS DRIVE-SIGNAL HEAD SUMMARY TABLE

SIGNAL HEAD NO.	POLE	PHASE	INDICATION	LENS SIZE	MOUNTING TYPE	FACING	REMARKS
1	1	4	R,Y,G	300mm	ASTRO BRAC AB 0116	SB	
2	2	4	R,Y,G	300mm	S-1	SB	
3	2	6	PED SYMBOL		CLAMSHELL MOUNT	WB	
4	2	4	PED SYMBOL		CLAMSHELL MOUNT	SB	
5	3	FUTURE 5	R,Y,LY,LG,G	300mm	ASTRO BRAC AB 0109	WB	MUTCD CONFIG S (FUTURE)
6	3	2	R,Y,G	300mm	ASTRO BRAC AB 0116	WB	
7	3	2	R,Y,G	300mm	S-1	WB	
8	3	8	PED SYMBOL		CLAMSHELL MOUNT	NB	
9	3	2	PED SYMBOL		CLAMSHELL MOUNT	WB	
10	4	8	R,Y,G	300mm	ASTRO BRAC AB 0116	NB	
11	4	8	R,Y,G	300mm	S-1	NB	
12	4	2	PED SYMBOL		CLAMSHELL MOUNT	EB	
13	4	8	PED SYMBOL		CLAMSHELL MOUNT	NB	
14	5	FUTURE 1	R,Y,LY,LG,G	300mm	ASTRO BRAC AB 0109	EB	MUTCD CONFIG S (FUTURE)
15	5	6	R,Y,G	300mm	ASTRO BRAC AB 0116	EB	
16	5	6	R,Y,G	300mm	S-1	EB	
17	5	8	PED SYMBOL		CLAMSHELL MOUNT	SB	
18	5	6	PED SYMBOL		CLAMSHELL MOUNT	EB	

SIGNAL HEAD NOTES:

1. FOR THIS TABLE, GLACIER HIGHWAY IS CONSIDERED AS ORIENTED EAST/WEST.
2. INSTALL PELCO ASTRO BRAC OR EQUAL WITH 50mm GALVANIZED STEEL NIPPLE, AND STAINLESS HARDWARE.
3. ALL SIGNAL HEADS SHALL BE LED.

SHELL SIMMONS DRIVE-POLE SUMMARY TABLE

POLE NO.	STATION	OFFSET	SPECIAL FEATURES	MAST ARM LENGTH	LUMINAIRE MAST ARM LENGTH
1	1+607.00	21.08 LT		12.00 m	1.830 m
2	1+602.97	12.37 LT	POST	NA	NA
3	1+605.15	10.93 RT		11.30 m	5.49 m
4	1+579.23	12.59 RT		12.60 m	5.49 m
5	1+582.05	15.72 LT		12.50 m	5.49 m

SHELL SIMMONS DR.-PEDESTRIAN PUSH BUTTONS

POLE NO.	BUTTON NO.	STREET CROSSING	PHASE	FACING
2	1	SHELL SIMMONS DRIVE	2	EB
2	2	GLACIER HIGHWAY	4	NB
3	3	GLACIER HIGHWAY	4	SB
3	4	SHELL SIMMONS DRIVE	6	EB
4	5	SHELL SIMMONS DRIVE	6	WB
4	6	GLACIER HIGHWAY	8	SB
5	7	GLACIER HIGHWAY	8	NB
5	8	SHELL SIMMONS DRIVE	2	WB

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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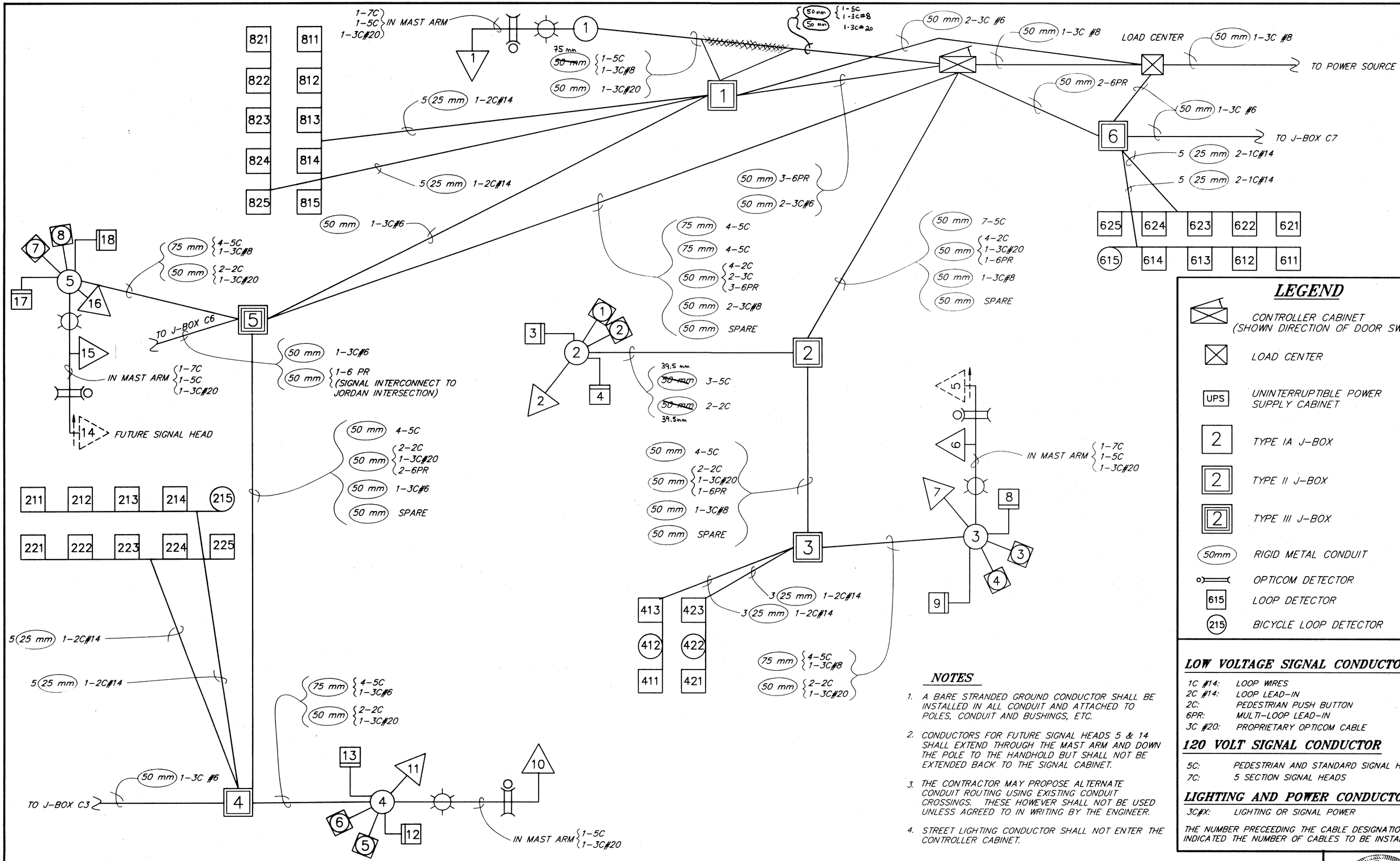
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

SHELL SIMMONS/LEE SMITH DRIVE SUMMARIES

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET S9

STATE OF ALASKA — 19th — Mike Lukshin CE-8757 — REGISTERED PROFESSIONAL ENGINEER



LEGEND

- CONTROLLER CABINET (SHOWN DIRECTION OF DOOR SWING)
- LOAD CENTER
- UPS — UNINTERRUPTIBLE POWER SUPPLY CABINET
- 2 — TYPE IA J-BOX
- 2 — TYPE II J-BOX
- 2 — TYPE III J-BOX
- 50mm — RIGID METAL CONDUIT
- OPTICOM DETECTOR
- 615 — LOOP DETECTOR
- 215 — BICYCLE LOOP DETECTOR

NOTES

1. A BARE STRANDED GROUND CONDUCTOR SHALL BE INSTALLED IN ALL CONDUIT AND ATTACHED TO POLES, CONDUIT AND BUSHINGS, ETC.
2. CONDUCTORS FOR FUTURE SIGNAL HEADS 5 & 14 SHALL EXTEND THROUGH THE MAST ARM AND DOWN THE POLE TO THE HANDHOLD BUT SHALL NOT BE EXTENDED BACK TO THE SIGNAL CABINET.
3. THE CONTRACTOR MAY PROPOSE ALTERNATE CONDUIT ROUTING USING EXISTING CONDUIT CROSSINGS. THESE HOWEVER SHALL NOT BE USED UNLESS AGREED TO IN WRITING BY THE ENGINEER.
4. STREET LIGHTING CONDUCTOR SHALL NOT ENTER THE CONTROLLER CABINET.

LOW VOLTAGE SIGNAL CONDUCTOR

1C #14:	LOOP WIRES
2C #14:	LOOP LEAD-IN
2C:	PEDESTRIAN PUSH BUTTON
6PR:	MULTI-LOOP LEAD-IN
3C #20:	PROPRIETARY OPTICOM CABLE

120 VOLT SIGNAL CONDUCTOR

5C:	PEDESTRIAN AND STANDARD SIGNAL HEADS
7C:	5 SECTION SIGNAL HEADS

LIGHTING AND POWER CONDUCTOR

3C#X:	LIGHTING OR SIGNAL POWER

THE NUMBER PRECEEDING THE CABLE DESIGNATION INDICATED THE NUMBER OF CABLES TO BE INSTALLED.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

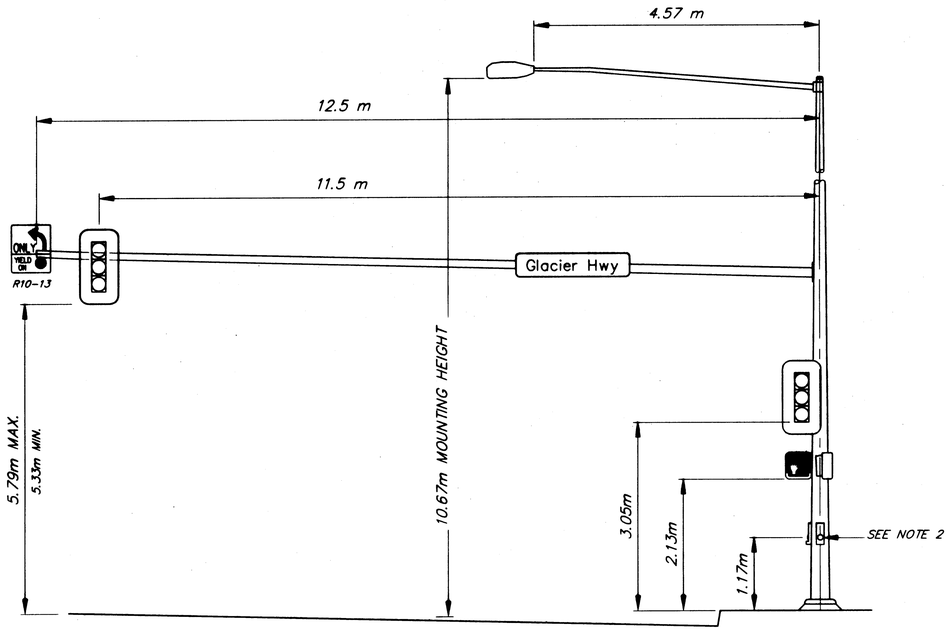
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

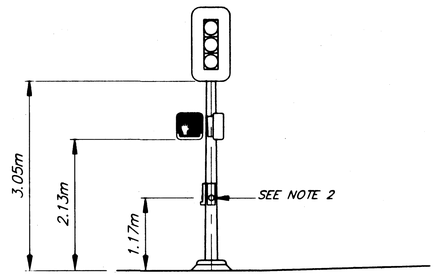
SHELL SIMMONS WIRING DIAGRAM

DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET S10

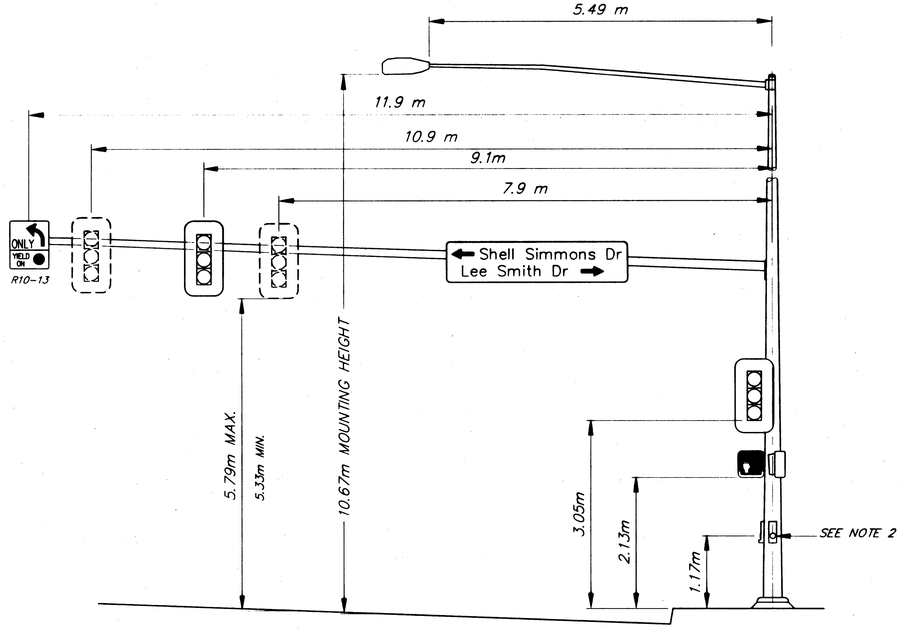
STATE OF ALASKA — 19th — REGISTERED PROFESSIONAL ENGINEER



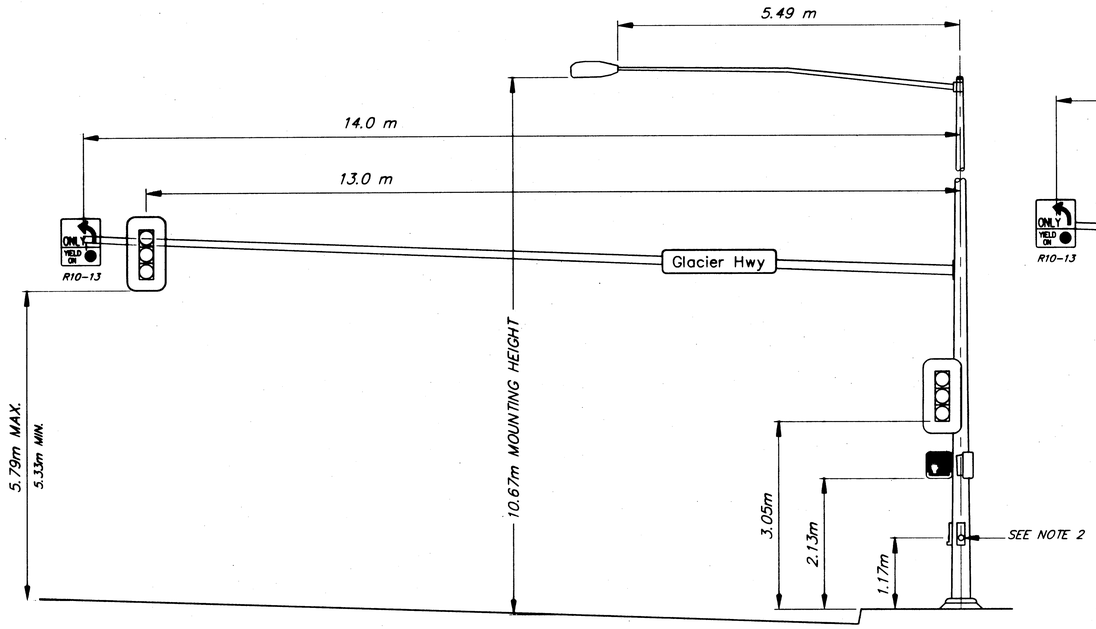
SIGNAL POLE NO. 1 DETAIL
SOUTHBOUND



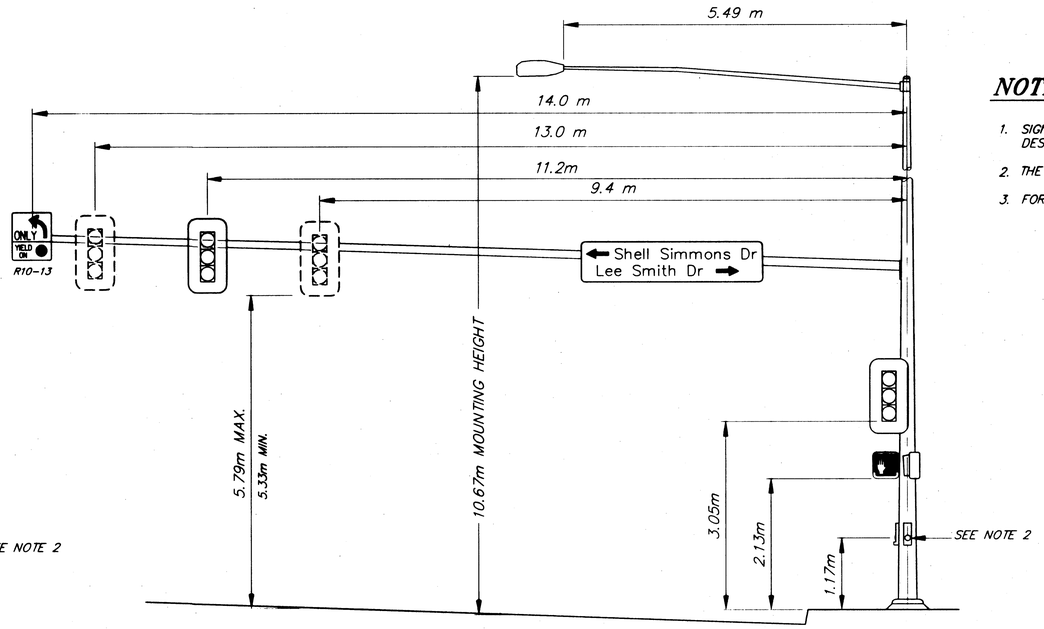
SIGNAL POLE NO. 2 DETAIL
SOUTHBOUND



SIGNAL POLE NO. 3 DETAIL
WESTBOUND



SIGNAL POLE NO. 4 DETAIL
EASTBOUND



SIGNAL POLE NO. 5 DETAIL
SOUTHBOUND

NOTES:

1. SIGNAL POLES, MAST ARMS AND LUMINAIRES SHALL BE DESIGNED FOR 167 KPH WIND SPEED.
2. THE 1.17 m DIMENSION IS TO THE CENTER OF THE BUTTON.
3. FOR FOUNDATION DETAILS, SEE STANDARD DRAWING T-52.12M.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

SHELL SIMMONS/LEE SMITH DRIVE POLE DETAILS

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: B.B./R.S.	DATE: 2000
CHECKED BY: M. LUKSHIN	SHEET S11

STATE OF ALASKA — REGISTERED PROFESSIONAL ENGINEER

MAJOR ITEMS OF WORK

1. INSTALL LOOPS 311–331.
2. RELOCATE POLE 5.
3. INSTALL J–BOXES 31, 32 & 33. INSTALL NEW CONDUIT. (SEE SHEET S12)
4. REPLACE LOOP LEAD–INS FROM J–BOX 10 BACK THROUGH J–BOXES 31–35.
5. REPLACE CONDUCTORS TO POLES 4, 5 & 8 WITH NEW.
6. REPLACE CONDUCTORS FROM J–BOX 22 BACK TO CONTROLLER CABINET.
7. INSTALL NEW LOAD CENTER.
8. REMOVE AND RELOCATE UPS.

EXISTING 150mm CASING BETWEEN J–BOX 20 & 21

TO BE ABANDONED 4 5 6

2+540 2+560 2+580 2+600 2+620 2+640

MENDENHALL LOOP ROAD

EGAN DRIVE

MENDENHALL GLACIER →

PROLONGATION OF PAVEMENT EDGE

4.3m

1.8m TYP.

8.3m

311 312 313 314 315 321 322 323 324 325

31 32 33

(FUTURE CONTROLLER CABINET LOCATION)

UPS

EXISTING LOAD CENTER FOR EGAN DRIVE (480V)

TO BE ABANDONED

IN 150mm CASING

IN 150mm CASING

DOWNTOWN JUNEAU

MENDENHALL LOOP ROAD

OLD 2

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
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JUNEAU — ALASKA

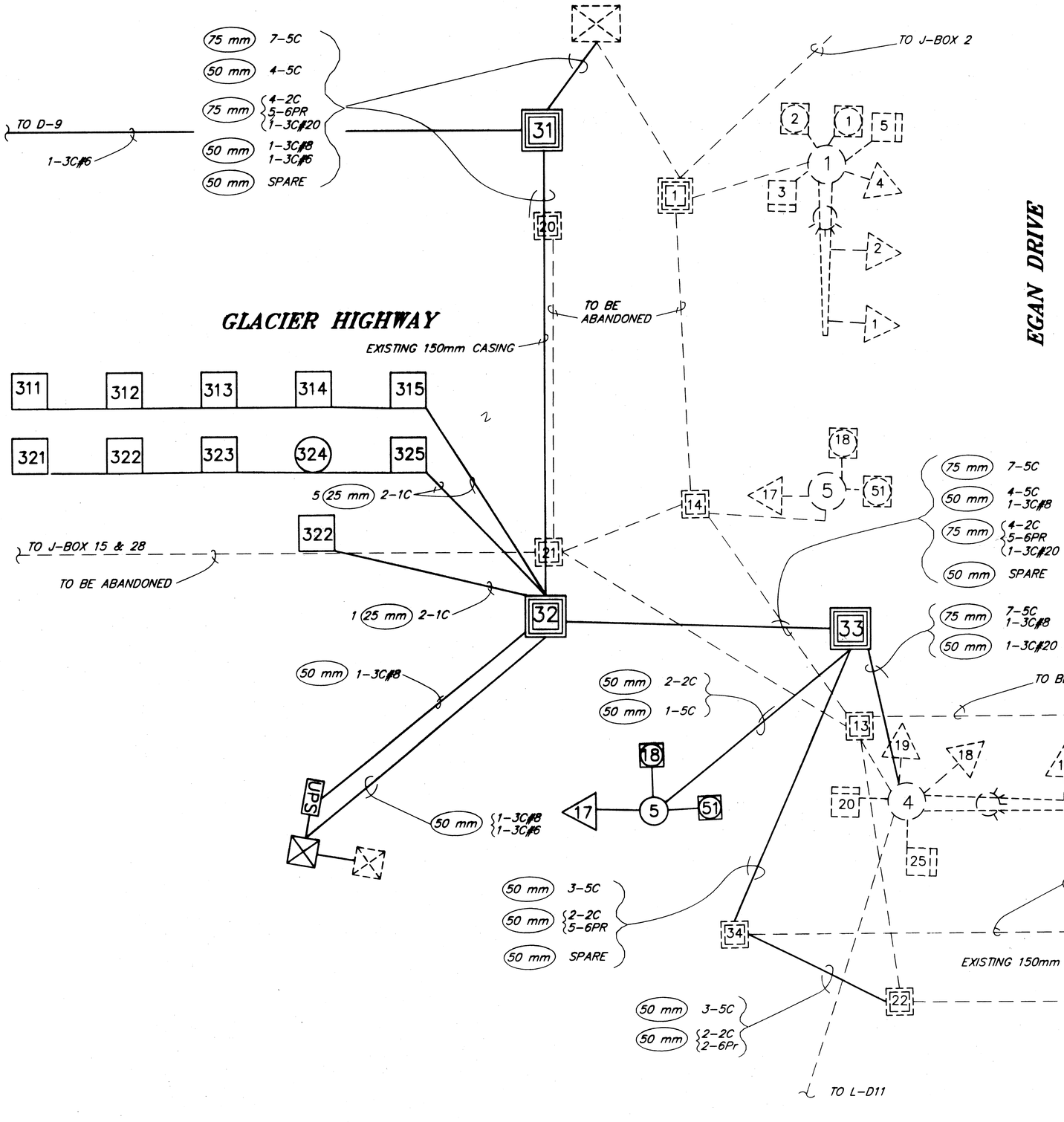
JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90)~ PROJECT NO. 69755

MENDENHALL LOOP ROAD & EGAN DRIVE

INTERSECTION SIGNALIZATION PLAN

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2000
CHECKED BY: M. LUKSHIN	SHEET S12

STATE OF ALASKA — 19th — Mike Lukshin — LE–S–37 — REGISTERED PROFESSIONAL ENGINEER



NOTES:

1. ALL CONDUIT SHOWN AS A SOLID LINE SHALL BE NEW INSTALLATION.
2. THIS WIRING DIAGRAM SHOWS THE NEW WIRING CHANGES ONLY. AS PART OF THIS PAY ITEM (660(1D)) THE CONTRACTOR SHALL ASBLT AND LABEL BOTH NEW AND EXISTING SIGNAL CONDUIT AND WIRING IN ACCORDANCE WITH SECTIONS 660-1.03 PARAGRAPH 14 OF THE STANDARD SPECIFICATIONS. LABELS SHALL HAVE EITHER THE SIGNAL HEAD, LOOP, OR LUMINAIRE NUMBER.
3. ABANDONDED J-BOXES SHALL BE REMOVED AND DELIVERED TO THE S.E. REGION DOT/PF MAINTENANCE YARD AT 6860 GLACIER HIGHWAY. ABANDONED CONDUIT SHALL BE LEFT IN PLACE OR REMOVED AS DIRECTED BY THE ENGINEER.
4. EXISTING WIRING FROM THE WEST SIDE OF THE INTERSECTION SHALL NOT BE DISTURBED.
5. EXISTING WIRING FROM THE EAST SIDE OF THE INTERSECTION (I.E. ALL WIRING GOING THROUGH J-BOXES 14 AND 21) SHALL BE REPLACED WITH NEW.
6. EXISTING AS-BUILT INFORMATION IS INCOMPLETE. THE CONTRACTOR SHALL FIELD VERIFY EXISTING WIRING AND CONDUIT.
7. THE FOLLOWING PROJECTS CONTAIN AS-BUILT INFORMATION RELEVANT TO THIS PROJECT:

   MENDENHALL LOOP ROAD & GLACIER SPUR
   RS-0960(1),
   RS-0966(8) 1977
   ORIGIINAL SIGNAL CONSTRUCTION.

   JUNEAU MENDENHALL LOOP/MALL/JAMES
   HES-M-966(14) 1988
   (SIGNAL MODIFICATION & SIGNAL INTERCONNECTION)

   S.E. REGION SIGNAL SYSTEM UPGRADE
   STPG-000S(135) (71120) 1994
   (SIGNAL MODIFICATION)

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-000S(90) ~ PROJECT NO. 69755

EGAN DRIVE/GLACIER HWY. WIRING DIAGRAM

DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET S13

STATE OF ALASKA — 4910 — Mike Lukshin CE-9737 — REGISTERED PROFESSIONAL ENGINEER

LOOP/EGAN DRIVE-SIGNAL HEAD SUMMARY TABLE

SIGNAL HEAD NO.	POLE	PHASE	INDICATION	LENS SIZE	MOUNTING TYPE	FACING	REMARKS
17	5	3	R,Y,G	12	SW-1	NB	

SIGNAL HEAD NOTES:

1. FUTURE HEADS SHALL BE DELIVERED TO MAINTENANCE AT GLACIER AVENUE BUILDING FOR LATTER INSTALLATION.

DETECTOR NOTES:

1.

LOOP/EGAN DRIVE-JUNCTION BOX SUMMARY TABLE

NUMBER	STATION	OFFSET	TYPE	REMARKS
31	2+564	10.5 LT	3	
32	2+562.5	13.5 RT	3	
33	2+571.8	15.0 RT	3	

LOOP/EGAN DRIVE-POLE SUMMARY TABLE

STATION	OFFSET	POLE NO.	SPECIAL FEATURES	MAST ARM LENGTH	LUMINAIRE MAST ARM LENGTH
2+057	16.0 RT	5		POST	

LOOP/EGAN DRIVE-PEDESTRIAN PUSH BUTTONS

POLE NO.	BUTTON NO.	STREET CROSSING	PHASE	FACING
5	51	EGAN DRIVE	3	SB
5	18	MENDENHALL LOOP RD.	6	EB

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

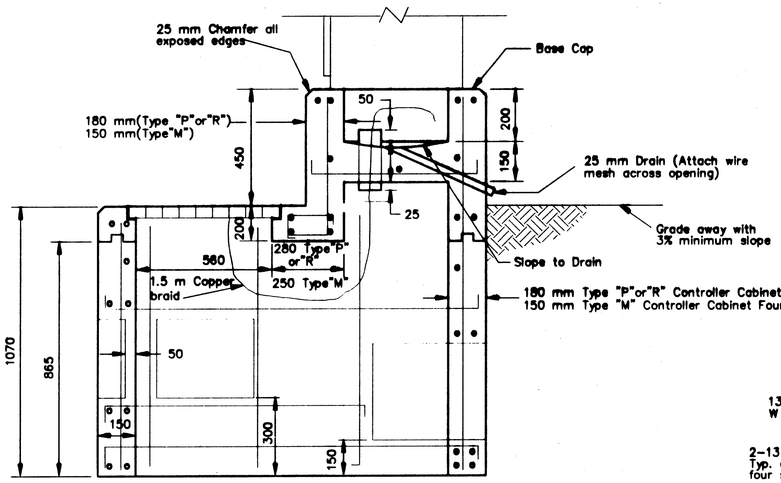
MENDENHALL LOOP/EGAN DRIVE SUMMARIES

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET S14

STATE OF ALASKA 49TH
Mike Lukshin
CE-8737
REGISTERED PROFESSIONAL ENGINEER

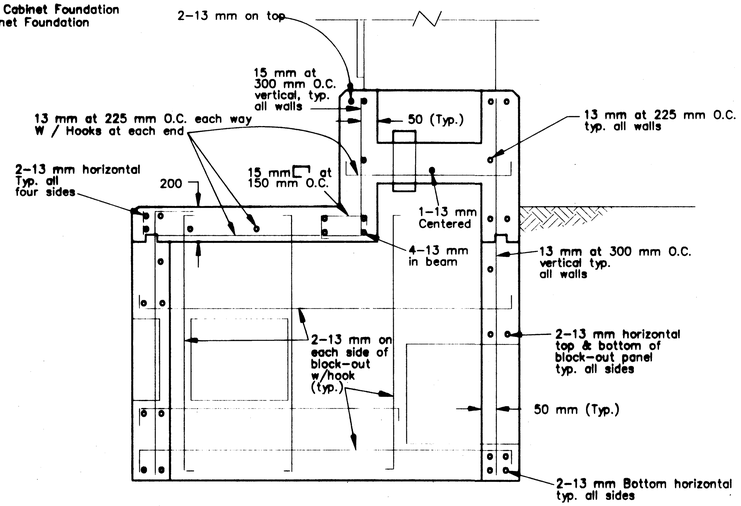
GENERAL NOTES:

1. Anchor bolts shall not protrude more than 38 mm above the top of the foundation. Anchor bolt dimensions shall be as specified by the cabinet manufacturer.
2. Unused conduit stubs shall be sealed with watertight caps. Stubs carrying conductors shall be sealed with watertight sealing bushings designed to seal around conductors and against the conduit walls.
3. Route the 1.5m copper grounding jumper through the 53 mm pipe nipple, and attach it to the grounding bushing on the feeder cable conduit.
4. Stop horizontal & vertical steel at the block-out panels & the joint using 90 degree hooks. Use 2 extra 13 mm horizontal & vertical bars all sides as shown.



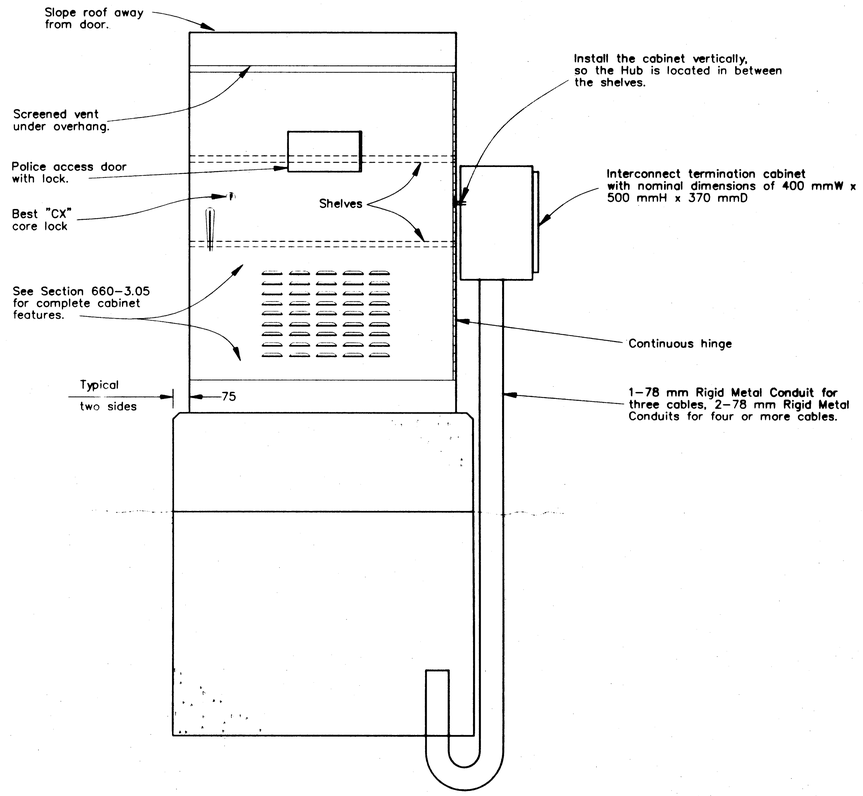
SECTION A-A

NOTE: See Section "B-B" for rebar details.



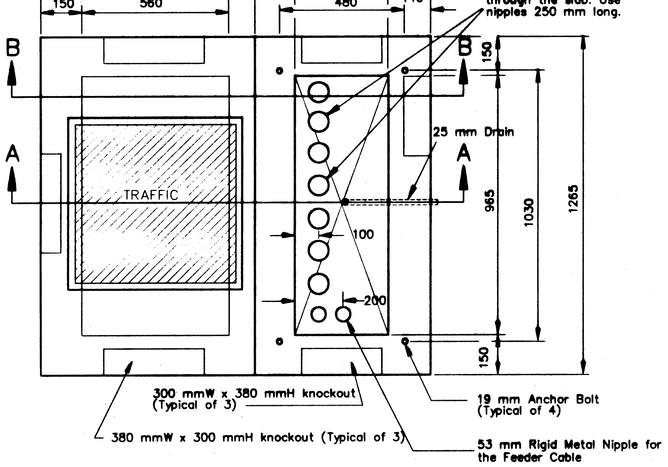
SECTION B-B

NOTE: See Section "A-A" for dimensional details & notes.

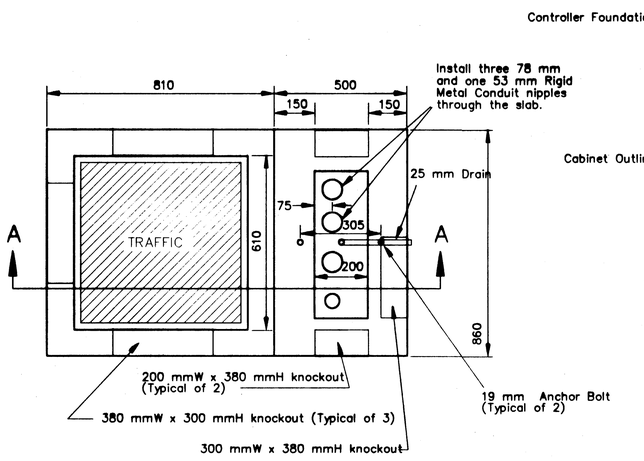


INTERCONNECT CABLE TERMINATION CABINET

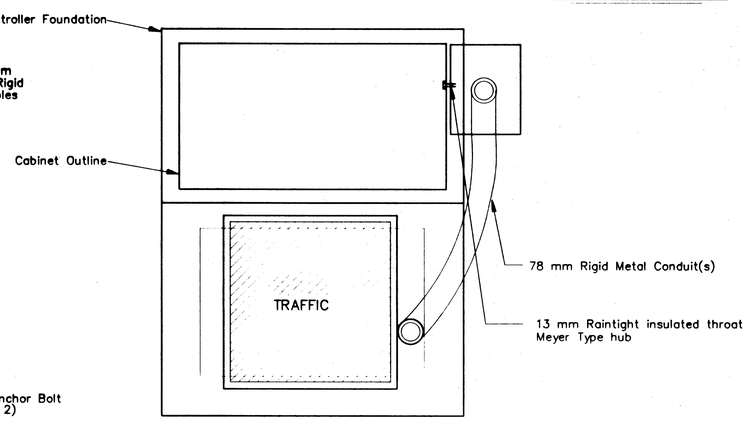
ELEVATION



TYPE "P" or "R" CONTROLLER CABINET FOUNDATION



TYPE "M" CONTROLLER CABINET FOUNDATION



PLAN VIEW

INTERCONNECT TERMINATION CABINET NOTES:

1. Material: Aluminum 0.080 T-5052 H-32
2. No ventilating louvres are required.
3. Install best lock.
4. Install two 25 Pr. terminal blocks (Amphenal – M 66 Systems), Telephone 31 D Type Split Block (6 Terminal– 3 Left, 3 Right). Install one block on right side of cabinet. Install one block on left side of cabinet.
5. Install the interconnect cable Termination cabinet when called for in the plans or whenever 3 or more interconnect cables are to be terminated.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
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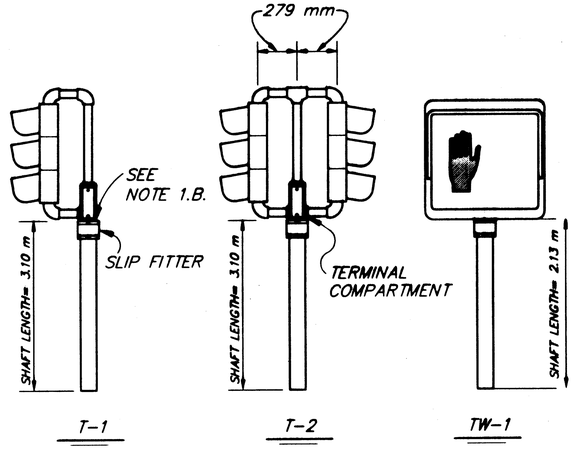
STATE OF ALASKA
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JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

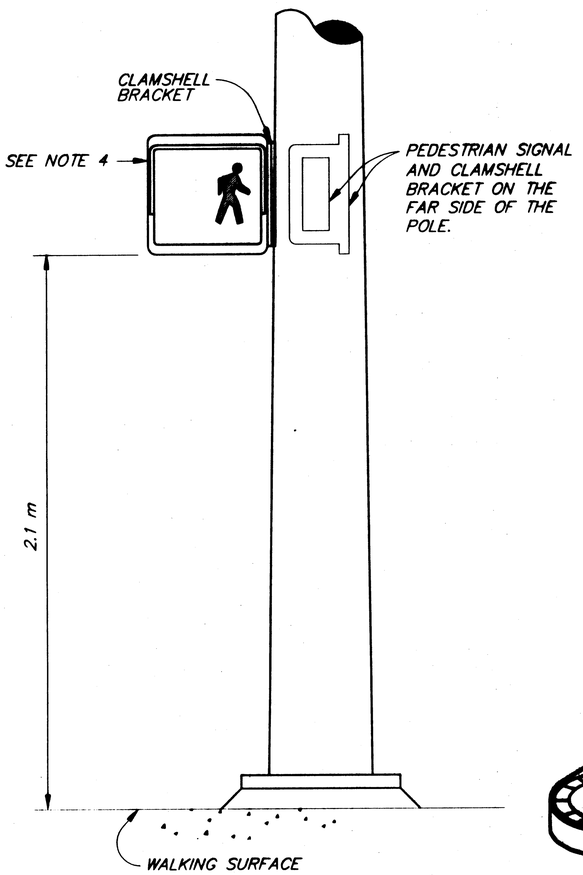
CONTROLLER CABINET FOUNDATION DETAILS

DESIGNED BY: M. LUKSHIN	PROJECT NO. 69755
DRAWN BY: B. BENNETT	DATE: 2001
CHECKED BY: R. PURVES	SHEET S15

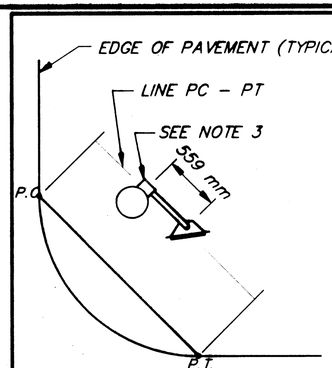
STATE OF ALASKA 19th Michael Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER

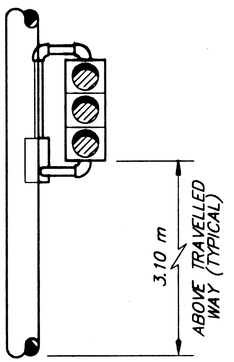


POST MOUNTED SIGNALS
(SHOWN WITHOUT BACKPLATE)



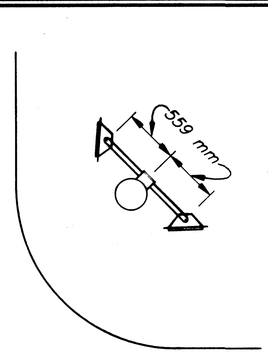
PEDESTRIAN HARDWARE

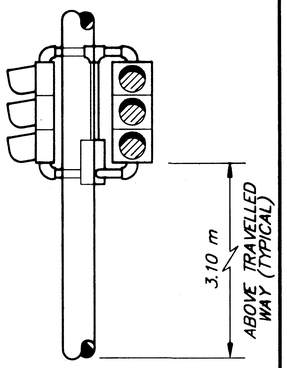




S-1

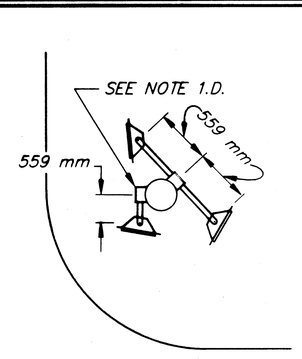
USE A ONE WAY, L.O.D. FRAME FOR INSTALLING ONE FACE

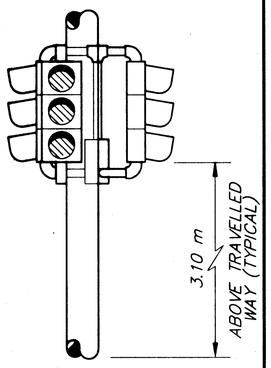




S-2

USE A TWO WAY FRAME FOR INSTALLING TWO FACES



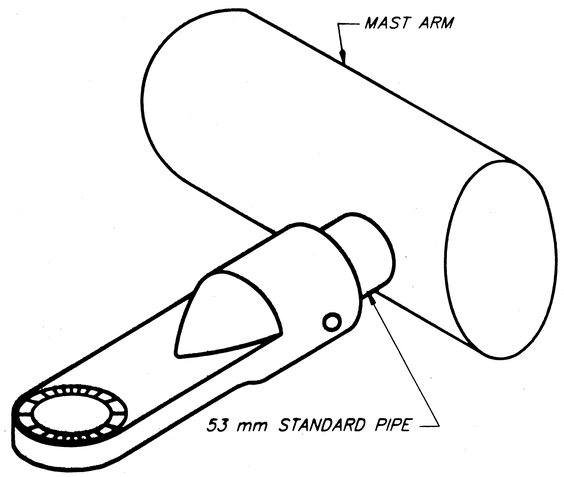


USE TWO FRAMES FOR INSTALLING THREE FACES: A TWO WAY AND A ONE WAY R.O.D.

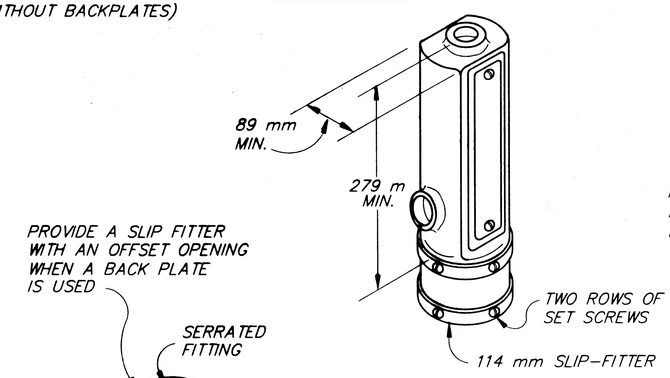
SIDE MOUNTED SIGNAL FRAMES WITH VEHICULAR SIGNALS
(SHOWN WITHOUT BACKPLATES)

TRAFFIC SIGNAL HARDWARE NOTES:

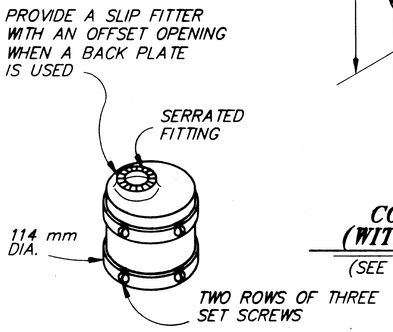
1. INSTALL THE SIGNAL FACES SHOWN IN THE PLANS AS DETAILED ON THIS SHEET.
   - A. USE ELEVATOR PLUMBIZERS TO INSTALL FACES ON MAST ARMS AND WHENEVER TWO INCH PIPE TENONS ARE SPECIFIED. INSTALL THE PLUMBIZER BETWEEN THE RED AND YELLOW SIGNAL INDICATIONS.
   - B. USE SLIP FITTERS TO INSTALL PEDESTRIAN SIGNALS ON THE TOP OF POSTS.
   - C. USE SIGNAL FRAMES TO INSTALL SIGNAL FACES ON THE SIDES OF POLES AND WHEN SIGNAL FACES ARE POST TOP MOUNTED.
   - D. USE A SECOND SIGNAL FRAME TO INSTALL THE THIRD FACE WHEN THREE SIDE MOUNTED SIGNAL FACES ARE SHOWN.
   - E. USE CLAMSHELL BRACKETS TO INSTALL ALL PEDESTRIAN SIGNALS, EXCEPT WHEN ONE IS POST TOP MOUNTED.
2. FURNISH ALL SIGNAL FRAMES WITH TERMINAL COMPARTMENTS.
3. WHEN INSTALLING TERMINAL COMPARTMENTS, SANDWICH THE POLE BETWEEN THE TERMINAL COMPARTMENT AND THE EDGE OF PAVEMENT. POSITION THE TERMINAL COMPARTMENT WHERE A LINE PARALLEL TO THE LINE BETWEEN THE P.C. AND P.T. OF THE RADIUS RETURN IS TANGENT TO THE POLE.
4. INSTALL PEDESTRIAN SIGNALS SO THE POLES TO WHICH THEY ARE ATTACHED ARE BETWEEN THE PEDESTRIAN SIGNAL AND THE THROUGH TRAFFIC LANE THAT PARALLELS THE CROSSWALK.
5. FIELD DRILL THE HOLES NEEDED FOR ATTACHING ALL SIGNAL HARDWARE. USE HOLE SAWS WHEN DRILL BITS ARE NOT AVAILABLE. TREAT THE BARE STEEL SURFACES IN ACCORDANCE WITH SECTION 660-2.14, GALVANIZING, OF THE STANDARD SPECIFICATIONS.
6. PROVIDE SOLID BACKPLATES SIZED FOR THE NUMBER OF SIGNAL SECTIONS AND MOUNTING TYPE, SO THAT NO LIGHT IS VISIBLE BETWEEN THE BACKPLATE AND THE SIGNAL FACE.
7. ATTACH ALL BACKPLATES USING STAINLESS STEEL SCREWS WITH A STAINLESS FLAT WASHER INSTALLED UNDER EACH HEAD. PROVIDE SCREWS THAT ARE SELF TAPPING AND SELF LOCKING TYPE. COAT THE THREADS WITH AN ANTI-SEIZING COMPOUND BEFORE INSTALLING THEM.
8. BEFORE INSTALLING THE MACHINE SCREWS THAT SECURE THE VISORS, COAT THE THREADS WITH AN ANTI-SEIZING COMPOUND.



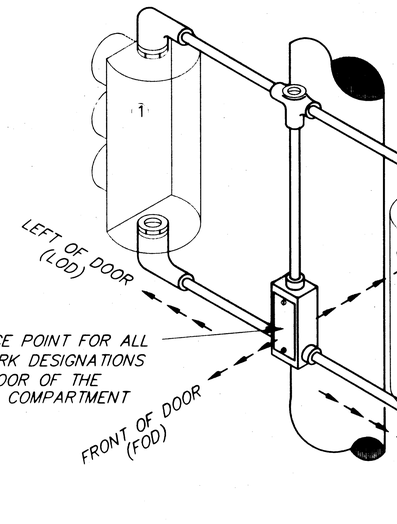
ELEVATOR PLUMBIZER



TERMINAL COMPARTMENT (WITH SLIP FITTER)
(SEE NOTES 1.C. AND 2)



SLIP FITTER
(SEE NOTE 1.B.)



FRAMEWORK DESCRIPTION

HEAD NO. 1 OFFSET L.O.D.
HEAD NO. 2 OFFSET R.O.D.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

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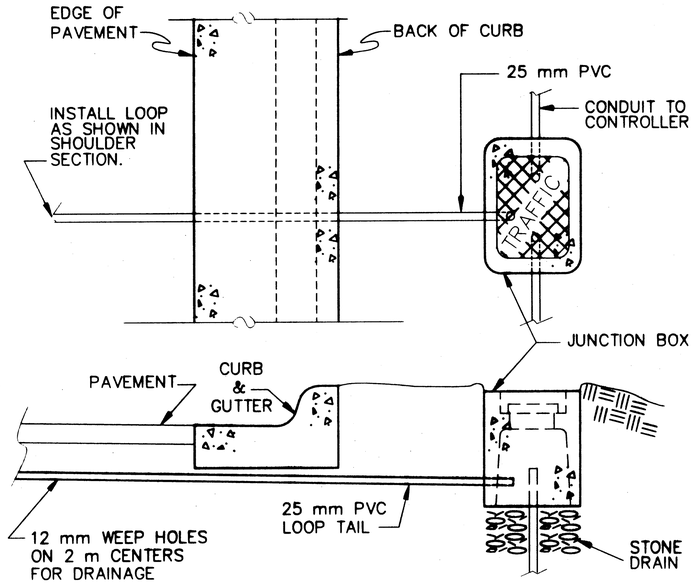
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DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
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JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

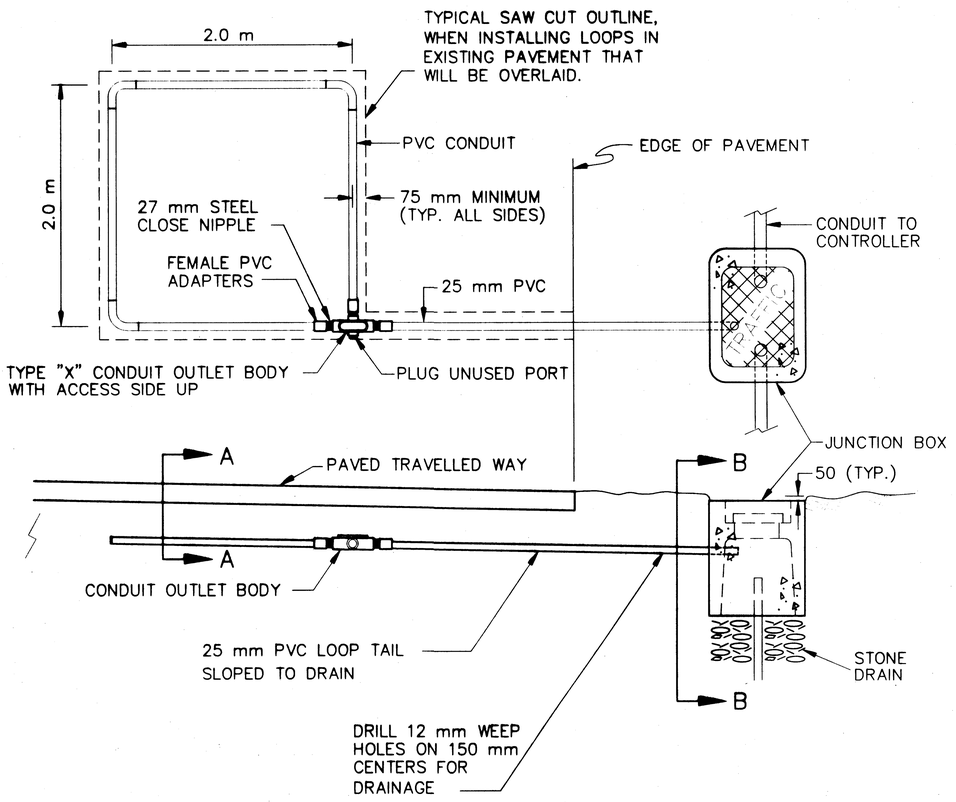
TRAFFIC SIGNAL HARDWARE DETAILS

DESIGNED BY: M. LUKSHIN	PROJECT NO. 69755
DRAWN BY: B. BENNETT	DATE: 2001
CHECKED BY: R. PURVES	SHEET S16

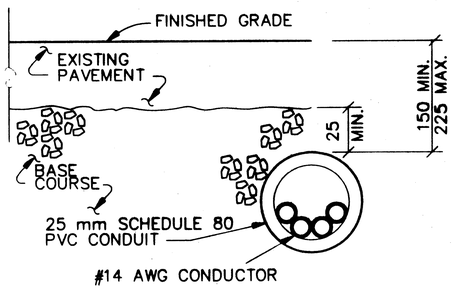
STATE OF ALASKA — 49th — Michael Lukshin CE-8737 — REGISTERED PROFESSIONAL ENGINEER



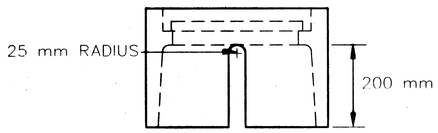
CURB SECTION



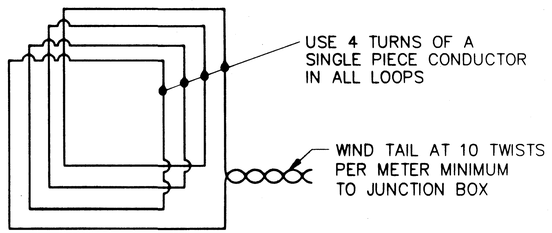
SHOULDER SECTION



SECTION A–A



VIEW B–B



LOOP WIRING DETAIL

1. EACH LOOP DETECTOR SHALL CONSIST OF A SINGLE PIECE OF #14 AWG CONDUCTOR INSTALLED IN 25 mm SCHEDULE 80 PVC CONDUIT. FORM ALL LOOPS 2 METERS SQUARE, SOLVENT WELD ALL PVC TO PVC JOINTS. USE TYPE X OUTLET BODIES THAT ARE MADE OF HOT DIP GALVANIZED STEEL TO JOIN THE LOOPS AND TAILS.
2. INSTALL 4 TURNS OF CONDUCTOR IN ALL LOOPS AND PROVIDE TAILS THAT EXTEND TO THE JUNCTION BOX SPECIFIED ON THE PLANS. USE #14 AWG CONDUCTOR IN A POLYETHYLENE TUBE CONFORMING TO IMSA SPECIFICATION 51-5. WIND THE TAIL CONDUCTORS TOGETHER AT A RATE OF 10 TWISTS PER METER.
3. INSTALL ALL LOOP DETECTORS PRIOR TO OVERLAYING EXISTING PAVEMENT OR PAVING A NEW ROADWAY.
4. INSTALL ALL LOOP DETECTORS SLOPED TO DRAIN INTO THE JUNCTION BOX THE LOOP TAIL ENTERS.
5. NO MINIMUM CLEARANCE IS REQUIRED BETWEEN A LOOP AND A TAIL OR BETWEEN TAILS. LOOP TAILS SHALL NOT CROSS LOOP CONDUITS.
6. TEST ALL LOOP DETECTORS FOR CONTINUITY AND INSULATION INTEGRITY PRIOR TO SEALING THE LOOPS UNDER ASPHALT.
7. WHEN INSTALLING LOOP DETECTORS IN EXISTING PAVEMENT, CUT THE ASPHALT WITH A SAW AND REMOVE ALL ASPHALT WITHIN THE SAW CUT. MATCH EXISTING PAVEMENT THICKNESS WHEN REPAIRING THE CUTOUT.
8. WHERE EXISTING PAVEMENT WILL NOT BE OVERLAID, ENCLOSE ALL LOOPS THAT ENTER A COMMON JUNCTION BOX WITHIN A TRAPEZOIDAL SAW CUT. CUT TO WITHIN 300 mm OF THE LANE AND EDGE LINES, PRESERVING THESE PAVEMENT MARKINGS; REMOVE THE ASPHALT TO THE LIP OF THE GUTTER WHEN THERE ARE NO EDGE LINES. CUT ACROSS LANE LINES WHEN LOOPS IN ADJACENT LANES ARE SIDE BY SIDE. CUT TRENCHES A MINIMUM OF 1 METER WIDE WHEN INSTALLING LOOP TAILS ACROSS A LANE; TRENCHES CROSSING A SHOULDER ONLY MAY BE A MINIMUM 300 mm WIDE.
9. HEAT AND TACK COAT THE EDGES OF EXISTING PAVEMENT PRIOR TO PAVING THE CUTOUTS. COMPACT THE ASPHALT MIXTURE WITH A SELF PROPELLED STEEL WHEELED ROLLER. THE ASPHALT MIX SHALL CONFORM TO SECTION 401 OF THE SPECIFICATIONS, AND APPROVED FOR USE BY THE ENGINEER.
10. MAINTAIN THE REPLACEMENT ASPHALT MIX AT A TEMPERATURE OF 108° C UNTIL THE TIME OF APPLICATION; IF NECESSARY, STORE THE MIX IN AN INSULATED BOX TO MAINTAIN THE SPECIFIED TEMPERATURE.
11. ALL WORK ASSOCIATED WITH INSTALLING LOOP DETECTORS IS CONSIDERED PART OF THE TRAFFIC SIGNAL ITEM AND WILL NOT BE MEASURED SEPARATELY OR PAID FOR DIRECTLY. THIS WORK INCLUDES BUT IS NOT LIMITED TO: LOOP MATERIALS, JUNCTION BOXES, CONDUIT, LOOP LEAD IN CABLE, TESTING, SPLICING, CONDUCTOR LABELING AND SAW CUTTING. ASPHALT REMOVAL AND INSTALLATION OF NEW ASPHALT SHALL BE PAID UNDER THEIR RESPECTIVE PAY ITEMS.
12. TO ESTABLISH THE REFERENCE LINES, EXTEND THE RIGHT EDGES OF THE OUTERMOST THROUGH LANES ACROSS THE INTERSECTION. IF THE ROADWAY GEOMETRY IS CURVED, EXTEND THE CURVE THROUGH THE INTERSECTION.

TYPICAL PVC CONDUIT ENCASED LOOP DETECTOR INSTALLATION

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

RECORD OF REVISIONS		
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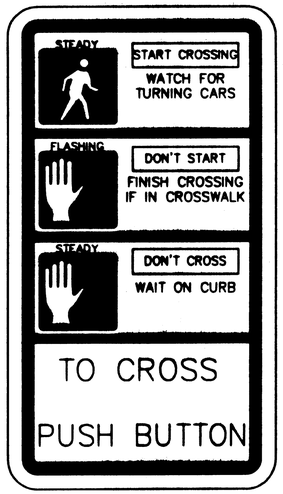
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755
LOOP DETECTOR DETAILS

DESIGNED BY: M. LUKSHIN	PROJECT NO. 69755
DRAWN BY: B. BENNETT	DATE: 2001
CHECKED BY: R. PURVES	SHEET S17

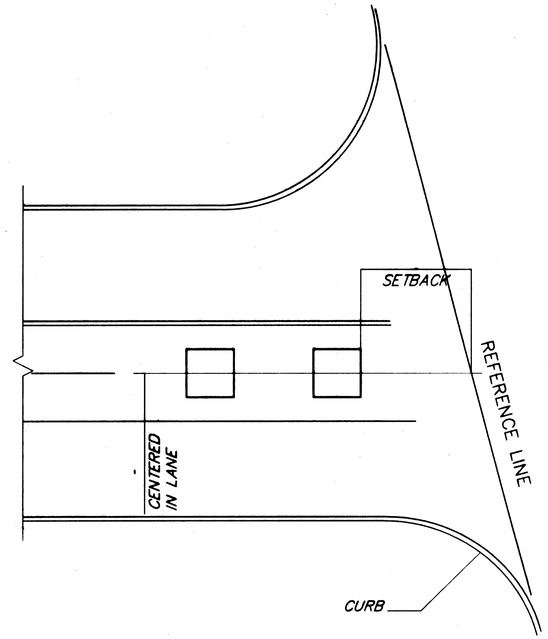
STATE OF ALASKA 19th Michael Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER



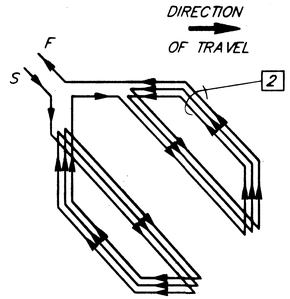
229mm x 406mm
SPECIAL
BLACK ON
NON-REFLECTORIZED WHITE
SIGN LEGEND AND GRAPHICS ARE
PROPORTIONAL TO THOSE SHOWN ABOVE

SPECIAL PEDESTRIAN SIGN

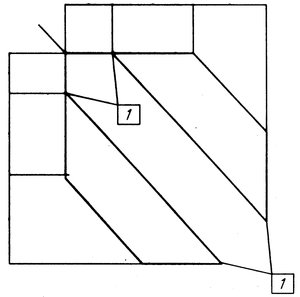
1. BAND SIGNS TO POLES ABOVE PEDESTRIAN PUSH BUTTON FRAMES.
2. INSTALL ONE SIGN PER POLE. IF TWO BUTTONS, INSTALL AT 45 DEGREES BETWEEN THE TWO.
3. SIGNS SHALL BE PAID UNDER 615(1) STANDARD SIGNS.



DETECTOR PLACEMENT



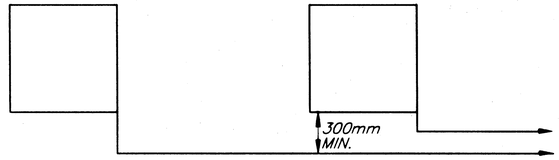
WINDING DETAIL



SIZE DETAIL

BIKE LOOP DETECTOR CONFIGURATION

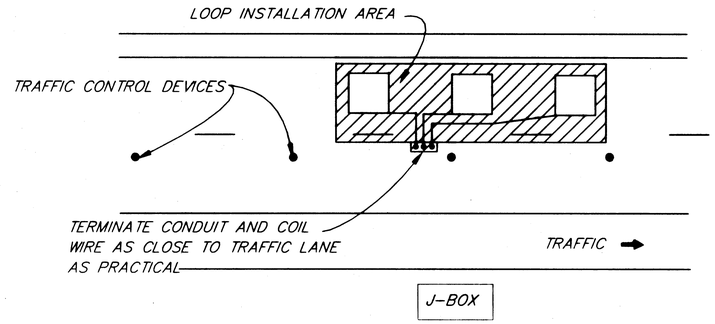
1. ROUND CORNERS OF ACUTE ANGLE SAWCUTS TO PREVENT DAMAGE TO CONDUCTORS.
2. INSTALL 3 TURNS WHEN ONLY ONE BIKE LOOP IS ON A SENSOR UNIT CHANNEL.
   INSTALL 5 TURNS WHEN ONE BIKE LOOP IS CONNECTED IN SERIES WITH 3 ADDITIONAL 1.8m x 1.8m LOOPS ON A SENSOR UNIT CHANNEL.
3. A PREFORMED BIKE LOOP IN A SIMILAR CONFIGURATION MAY BE SUBSTITUTED.



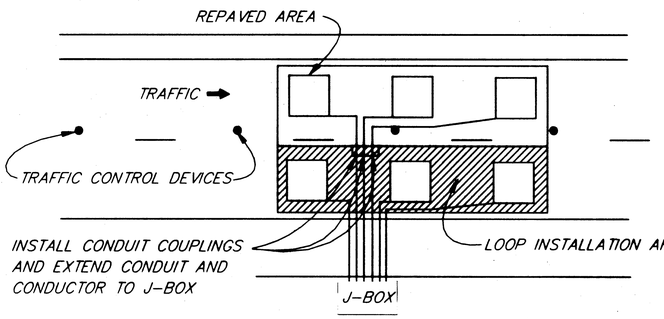
TYPICAL PLAN VIEW OF MULTIPLE LOOP INSTALLATION

GENERAL NOTES

1. ALL NEW CONDUIT EXCEPT FOR THE LOOP DETECTORS SHALL BE RIGID METAL (RMC).

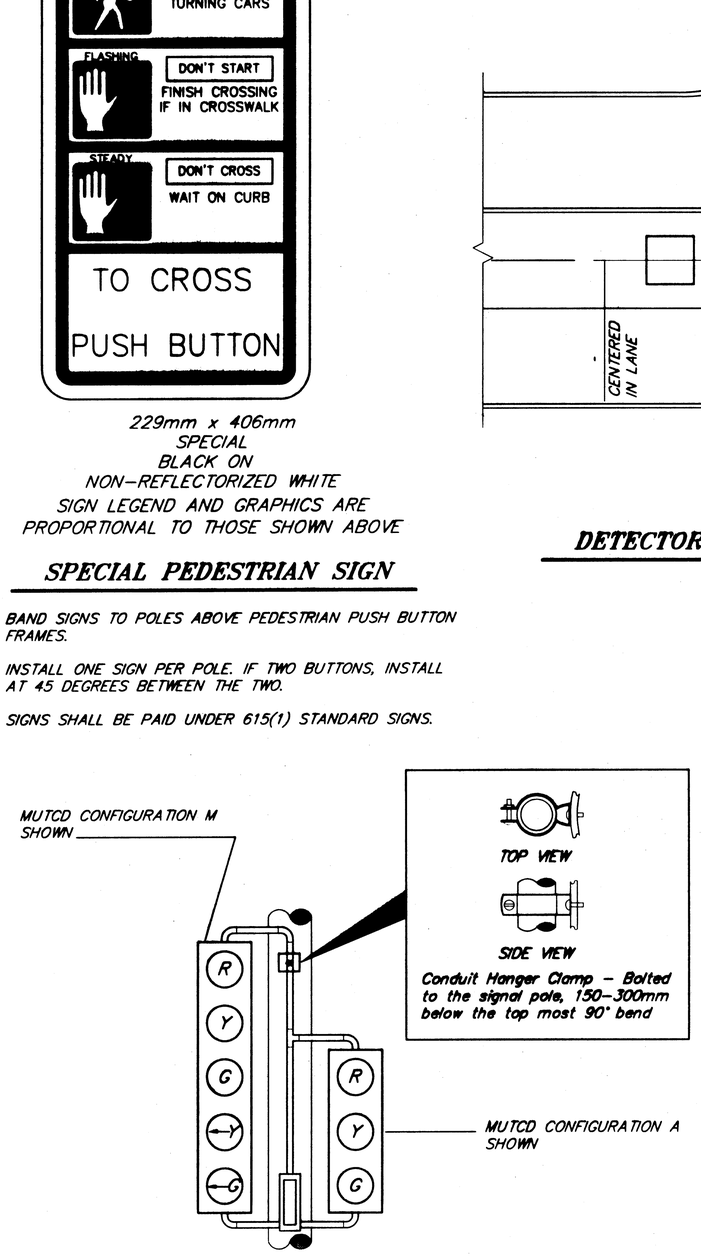


FAR LANE LOOP INSTALLATION

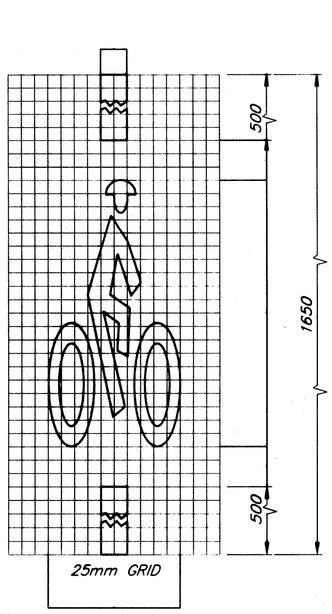


NEAR LANE LOOP INSTALLATION

ADJACENT LANE LOOP INSTALLATION DETAIL



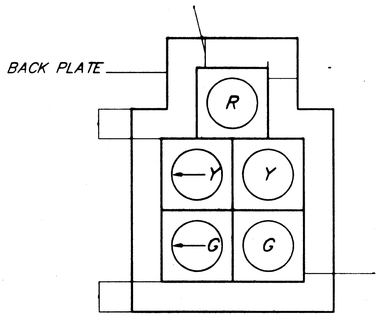
TYPICAL POST MOUNTING OF TWO UNEQUAL SIZE SIGNAL HEADS (FOR CLARITY, BACK PLATES NOT SHOWN)



A=0.19 m²

BICYCLE LOOP DETECTOR SYMBOL

NOTE:
1. INSTALL BICYCLE LOOP DETECTOR SYMBOL DIRECTLY OVER EACH BICYCLE LOOP.
2. MINOR VARIATIONS IN DIMENSIONS MAY BE ACCEPTED BY THE ENGINEER.



5-SECTION SIGNAL CLUSTER HEAD CONFIGURATION (MUTCD configuration S)

NOTES

1. WHEN LOOP LEAD-IN CONDUIT EXTENDS ACROSS OTHER TRAFFIC LANES WHICH WILL BE OPEN TO TRAFFIC WHILE THE LOOPS ARE BEING INSTALLED, THE CONDUIT SHALL BE EXTENDED AS FAR TOWARD THE OPEN LANE AS POSSIBLE AND EXTRA LOOP CONDUCTOR SHALL BE COILED AT THE EDGE OF THE LANE. THE CONDUIT AND CONDUCTOR SHALL BE EXTENDED ACROSS THE LANE TO THE ROADSIDE J-BOX WHEN THE ADJACENT LANE IS CLOSED TO TRAFFIC AND ITS PAVEMENT IS REMOVED.
2. WHEN LOOP LEAD-IN CONDUIT EXTENDS ACROSS OTHER TRAFFIC LANES, LOOP INSTALLATION SHALL START WITH THE LANE FURTHEST FROM THE J-BOX THE CONDUIT WILL TERMINATE IN.
3. ALTHOUGH PAVED-OVER LOOPS ARE SHOWN, THE SAME CONSTRUCTION SEQUENCE APPLIES TO LOOPS IN A NARROW SLOT.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

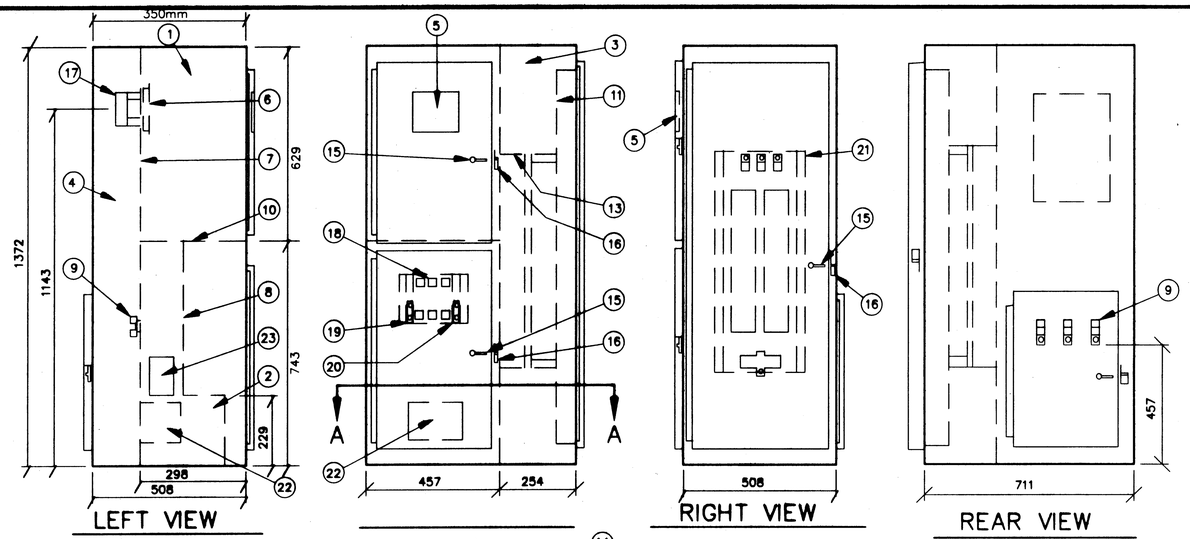
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BY:	DATE:	DESCRIPTION OF CHANGE:

STATE OF ALASKA
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JUNEAU — JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD — ALASKA
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755
MISCELLANEOUS DETAILS

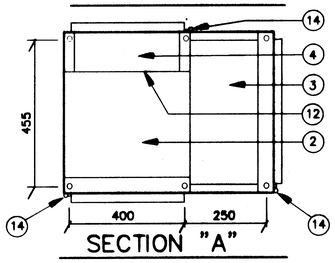
DESIGNED BY: M. LUKSHIN	PROJECT NO. 69755
DRAWN BY: B. BENNETT	DATE: 2001
CHECKED BY: R. PURVES	SHEET S18

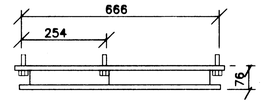
STATE OF ALASKA 19th Michael Lukshin CE-8757 REGISTERED PROFESSIONAL ENGINEER



EQUIPMENT LEGEND

1. METER SECTION
2. LOAD SECTION (MAIN)
3. LOAD SECTION (DISTRIBUTION)
4. SERVICE PULL SECTION
5. METER READING WINDOW
6. METER SOCKET COVER
7. TEST SECTION COVER
8. DEAD FRONT
9. UTILITY LANDING LUGS
10. METER SECTION BARRIER
11. PANEL BOARD DEADFRONT
12. EQUIPMENT CHASSIS
13. MOUNTING PAN
14. STAINLESS STEEL PIN HINGE
15. COIN LATCH
16. HASP FOR PADLOCK
17. METER SOCKET KIT ASS'Y.
18. MAIN BREAKER(S)
19. NEUTRAL BAR
20. GROUND BAR
21. PANEL BOARD INTERIOR
22. ALTERNATE CONTACTOR LOCATION
23. CABLE OPENING



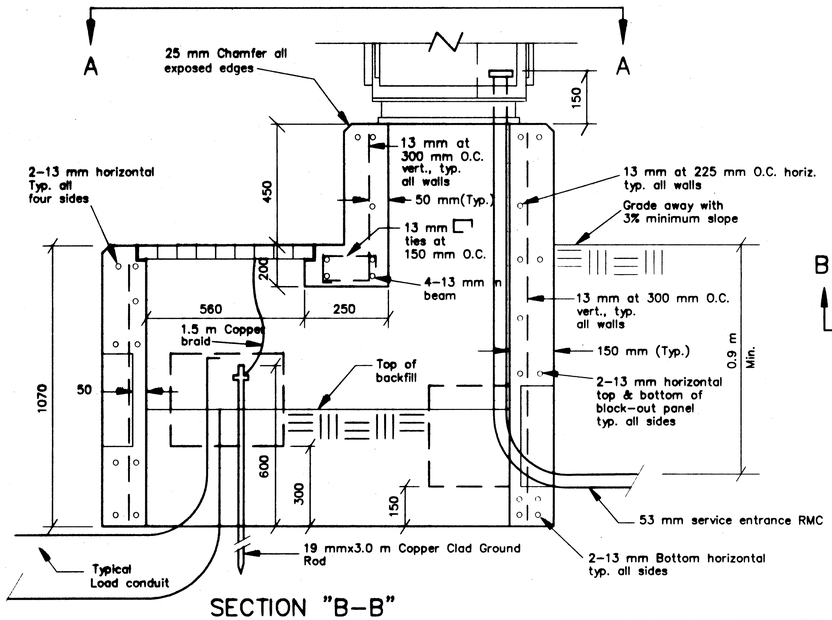


MOUNTING BASE

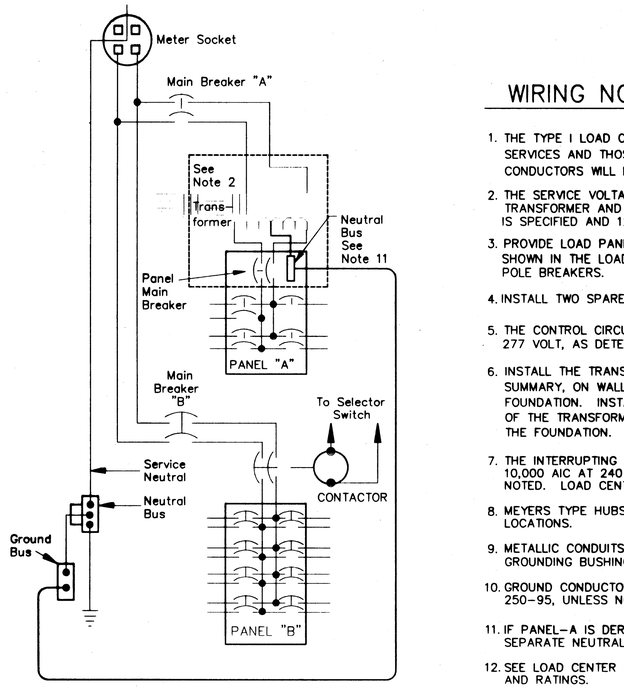
TYPE 1 LOAD CENTER CABINET SECTION / ELEVATION

FOUNDATION AND LOCATION NOTES:

1. INSTALL THE BASE SO THE CAST IRON COVER IS FLUSH WITH THE PAVEMENT, SIDEWALK, OR FINISHED GRADE. GRADE AWAY FROM THE BASE WITH A MINIMUM SLOPE OF 3%. USE A PRE-MOULDED BITUMINOUS JOINT BETWEEN THE BASE AND CONCRETE SIDEWALK OR PAVING.
2. EXCAVATE 1525 mm BELOW FINISH GRADE FOR THE BASE AND INSTALL A DRAIN CONSISTING OF 450 mm OF COARSE CONCRETE AGGREGATE AS APPROVED BY THE ENGINEER. BACK-FILL AROUND THE BASE IN 150 mm LIFTS WITH SELECTED MATERIAL TYPE "A".
3. BACKFILL INSIDE THE FOUNDATION TO WITHIN 610 mm OF THE LID AFTER ALL OF THE CONDUITS ARE INSTALLED, USING COARSE AGGREGATE. TERMINATE THE ENDS OF ALL LOAD CONDUITS A MINIMUM OF 150 mm ABOVE THE COARSE CONCRETE AGGREGATE SURFACE AND A MINIMUM OF 300 mm BELOW THE LID.
4. PROVIDE ANCHOR BOLTS OR EXPANSION ANCHORS IN THE BASE FOR MOUNTING THE CABINET PER THE MANUFACTURER'S SHOP DRAWINGS. ANCHOR BOLTS, NUTS AND WASHERS SHALL CONFORM TO EITHER ASTM A307 OR A449 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A153.
5. USE GRADE 60 REINFORCING STEEL CONFORMING TO ASTM A615.
6. USE CLASS "A" CONCRETE CONFORMING TO SECTION 501 OF THE SPECIFICATIONS.
7. FINISH THE BASE ACCESS OPENING WITH A 501 mm SQUARE IRON FRAME AND COVER, WEIGHING APPROXIMATELY 127KG. PROVIDE COVERS INSCRIBED WITH THE LEGEND "LIGHTING" FOR THOSE LOAD CENTERS WITH STREET LIGHTING CIRCUITS ONLY, AND "TRAFFIC" FOR THOSE LOAD CENTERS WITH A TRAFFIC SIGNAL CIRCUIT.
8. THE BASE MAY BE PRECAST. IF IT IS PRECAST, INSTALL 4 EACH 19 mm FERRULE LOOP INSERTS FOR LIFTING, TWO ON EACH LONG SIDE.



SECTION "B-B"

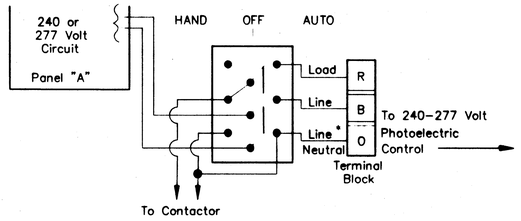


WIRING DIAGRAM

Type 1 load center

WIRING NOTES:

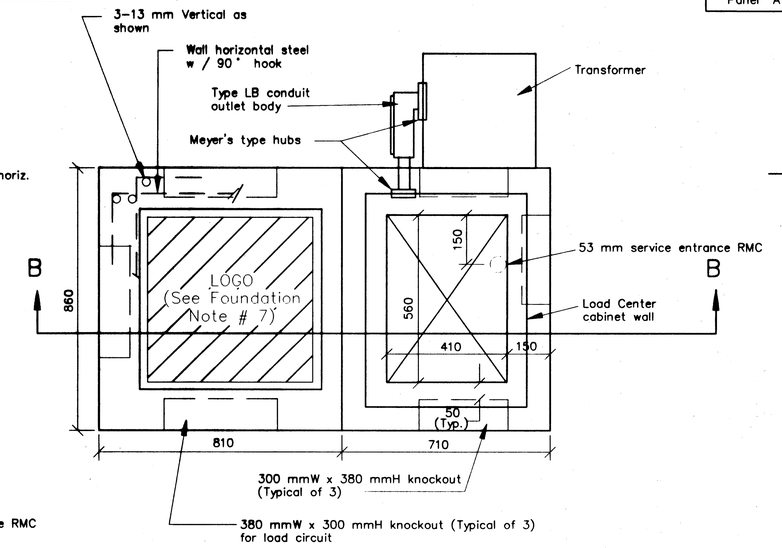
1. THE TYPE 1 LOAD CENTER IS INTENDED FOR USE WITH ALL 480 VOLT SERVICES AND THOSE 240 VOLT SERVICES, WHENEVER THE LOAD CONDUCTORS WILL NOT FIT INTO ONE TWO INCH CONDUIT.
2. THE SERVICE VOLTAGE IS SHOWN IN EACH LOAD CENTER SUMMARY. INSTALL A TRANSFORMER AND A PANEL WITH MAIN BREAKER WHENEVER A TRAFFIC SIGNAL CIRCUIT IS SPECIFIED AND 120 VOLTS IS NOT AVAILABLE.
3. PROVIDE LOAD PANELS SIZED FOR THE NUMBER OF DOUBLE POLE CIRCUIT BREAKERS SHOWN IN THE LOAD CENTER SUMMARIES, ALLOWING SPACE FOR TWO SPARE DOUBLE POLE BREAKERS.
4. INSTALL TWO SPARE DOUBLE POLE 20 AMPERE BREAKERS IN ALL LOAD PANELS.
5. THE CONTROL CIRCUIT AND CONTACTOR COIL RATING IS EITHER 240 OR 277 VOLT, AS DETERMINED BY THE SERVICE VOLTAGE.
6. INSTALL THE TRANSFORMER, WHEN CALLED FOR IN THE LOAD CENTER SUMMARY, ON WALL BRACKETS ATTACHED TO THE SIDE OF THE FOUNDATION. INSTALL THE WALL BRACKETS TO ENSURE THE BOTTOM OF THE TRANSFORMER IS IN THE SAME PLANE AS THE TOP OF THE FOUNDATION.
7. THE INTERRUPTING CAPACITY OF LOAD CENTER CIRCUIT BREAKERS SHALL BE 10,000 AIC AT 240 VOLTS AND 14,000 AIC AT 480 VOLTS, UNLESS OTHERWISE NOTED. LOAD CENTER INTERRUPTION RATING MAY BE A SERIES RATING.
8. MEYERS TYPE HUBS ARE UL LISTED AS A GROUNDING CONDUIT FITTINGS FOR WET LOCATIONS.
9. METALLIC CONDUITS, MUST BE GROUNDED AT EACH END. PROVIDE INSULATED THROAT GROUNDING BUSHINGS.
10. GROUND CONDUCTORS TO BE COPPER SIZED PER NEC TABLES 250-94 AND 250-95, UNLESS NOTED AS LARGER; #8 AWG MINIMUM.
11. IF PANEL-A IS DERIVED FROM A TRANSFORMER PER NOTE #2, PROVIDE A SEPARATE NEUTRAL BUS AND BOND TO LOAD CENTER GROUND BUS.
12. SEE LOAD CENTER SUMMARIES FOR CIRCUIT AND COMPONENT DESCRIPTIONS AND RATINGS.



SELECTOR SWITCH WIRING

Wiring for 4-way, 3-hole, 2-pole selector switch

* GROUNDED NEUTRAL IF SERVICE IS 240/480 VOLT SINGLE PHASE, OR 277/480 VOLT THREE-PHASE UNGROUNDED LINE IF SERVICE IS 120/240 VOLT SINGLE-PHASE.



VIEW "A-A"

(PLAN VIEW)

TYPE 1 LOAD CENTER BASE

NOTE: Stop horizontal & vertical steel at block-out panels & optional joint using 90° hook. Install 2 extra 13 mm horizontal & vertical bars on all sides of each knockout.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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PLOT: MSPACE: 1=1(F)		
BY:	DATE:	DESCRIPTION OF CHANGE:

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

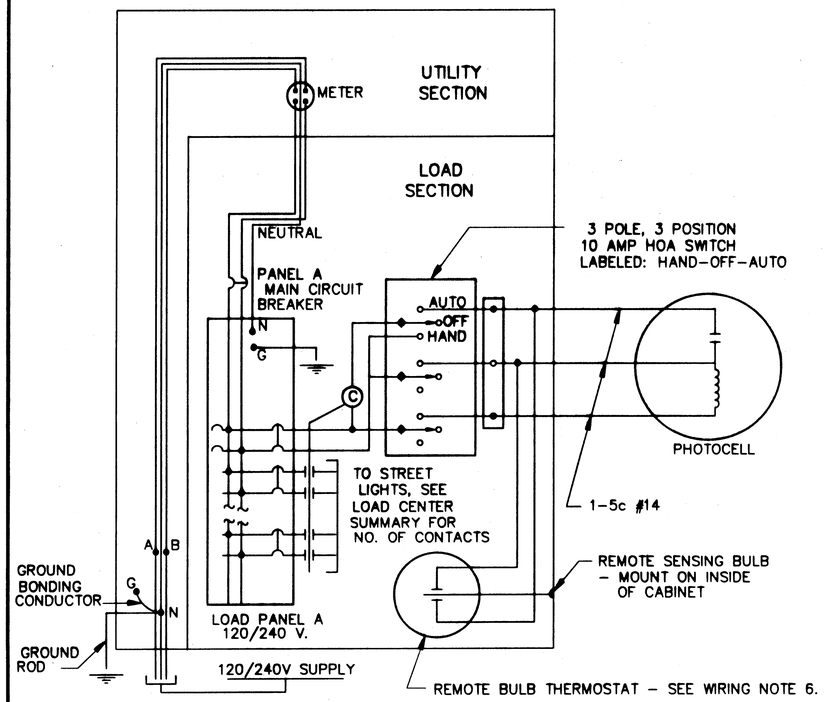
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

TYPE 1 LOAD CENTER DETAILS

DESIGNED BY: M. LUKSHIN	PROJECT NO. 69755
DRAWN BY: B. BENNETT	DATE: 2001
CHECKED BY: R. PURVES	SHEET S19

STATE OF ALASKA 1914 Michael Lukshin CE-8757 REGISTERED PROFESSIONAL ENGINEER

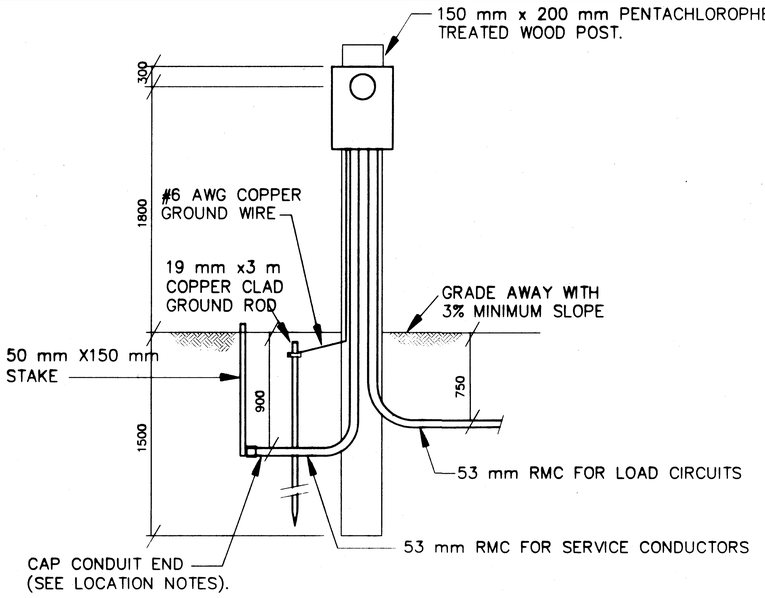


LOAD CENTER ONE LINE DIAGRAM AND SELECTOR SWITCH WIRING

TYPE 2 & 3 LOAD CENTERS - USED FOR LIGHTING WITH PHOTOELECTRIC AND THERMOSTATIC CONTROLS

WIRING NOTES:

1. THE TYPE 2 AND 3 LOAD CENTERS ARE INTENDED FOR USE WITH 120/240 VOLT SERVICES ONLY, WHEN ALL LOAD CABLES WILL FIT INTO ONE TWO INCH CONDUIT.
2. PROVIDE LOAD PANELS SIZED FOR THE NUMBER OF DOUBLE POLE CIRCUIT BREAKERS SHOWN IN THE LOAD CENTER SUMMARIES, ALLOWING SPACE FOR TWO SPARE DOUBLE POLE BREAKERS.
3. INSTALL TWO SPARE DOUBLE POLE 20 AMPERE BREAKERS IN ALL LOAD PANELS.
4. THE VOLTAGE OF THE CONTROL CIRCUIT AND CONTACT COIL IS 240 VOLT.
5. PROVIDE A REMOTE BULB THERMOSTAT WHEN METAL HALIDE LAMPS ARE INCLUDED IN THE LIGHTING CIRCUITS. THE CONTACTS SHALL CLOSE AT -9C WHEN THE TEMPERATURE IS FALLING, AND OPEN AT -23C WHEN THE TEMPERATURE IS RISING. PROVIDE A THERMOSTAT RATED FOR OPERATION FROM -34C TO +32 C.
6. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE LOAD CENTER COMPLIES WITH ALL LOCAL UTILITY ASSOCIATION REQUIREMENTS.



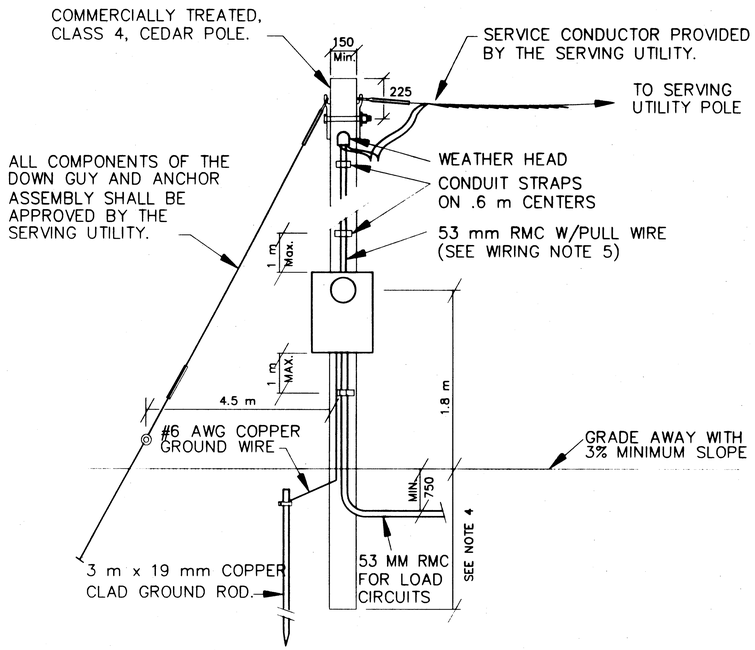
TYPE 2 LOAD CENTER

TYPE 2 & 3 LOAD CENTER NOTES:

1. SIZE THE TYPE 2 AND 3 LOAD CENTER CABINETS TO HOLD THE EQUIPMENT SHOWN IN THE WIRING DIAGRAM AND DETAILED IN EACH LOAD CENTER SUMMARY, ALLOWING SPACE FOR WIRING PER THE NATIONAL ELECTRICAL CODE.

   INSTALLING A METER BASE AND MAIN BREAKER IN A SEPARATE ENCLOSURE IS ALLOWABLE. HOWEVER IN THIS CASE, FURNISH A BREAKER PANEL WITH A MAIN BREAKER.
2. WIRE ALL TYPE 2 AND 3 LOAD CENTERS PER THE WIRING DIAGRAM INDICATED ON THIS DETAIL SHEET.
3. INSTALL POLES OF SUFFICIENT LENGTH TO PROVIDE THE FOLLOWING MINIMUM GROUND TO SERVICE CONDUCTOR CLEARANCE:
   A. 6.4 METERS, IF THE SERVICE CONDUCTORS ARE LOCATED ABOVE ROADWAYS OR PARKING AREAS.
   B. 8.5 METERS, IF THE SERVICE CONDUCTORS ARE LOCATED WITHIN 6.1 METERS OF A RAILROAD TRACK.
   C. 5.5 METERS IN ALL OTHER CIRCUMSTANCES.
4. SET THE BUTT END OF TYPE 3 LOAD CENTER POLES TO THE FOLLOWING MINIMUM DEPTH:
   A. 10 PERCENT OF ITS LENGTH PLUS 0.6 METER, OR 1.5 METER, WHICHEVER IS GREATER, IF IT IS INSTALLED IN EARTH OTHER THAN SOLID ROCK OR MUSKEG.
   B. 10 PERCENT OF ITS LENGTH, OR 1.2 METERS, WHICHEVER IS GREATER, IF IT IS INSTALLED IN SOLID ROCK.
   C. CONSIDER MUSKEG TO BE AIR, AND SET THE BUTT ENDS TO THE DEPTH GIVEN IN A OR B, WHICHEVER APPLIES, IN THE UNDERLYING EARTH OR ROCK.

   WHENEVER MORE THAN 0.6 METERS OF EARTH OVERLAYS ROCK, OR THE DIAMETER OF THE DRILLED HOLE IN ROCK EXCEEDS TWICE THE DIAMETER OF THE POLE AT THE GROUND LINE, CONSIDER THE INSTALLATION AS EARTH.
5. ATTACH ALL CONDUITS TO THE POSTS AND POLES USING TWO HOLE RIGID METAL CONDUIT STRAPS LOCATED PER THE NATIONAL ELECTRIC CODE.
6. ATTACH ALL GROUND CONDUCTORS TO THE POSTS AND POLES USING CABLE STAPLES LOCATED ON 0.3 METER CENTERS.



TYPE 3 LOAD CENTER

LOCATION NOTES:

1. INSTALL A 53 mm MINIMUM SIZE RIGID METAL CONDUIT WITH PULLROPE TO WITHIN 0.6 METER OF THE POWER SOURCE AT A MINIMUM DEPTH OF 1.0 METER. INSTALL A CAP ON AND MARK THE BURIED END OF THE CONDUIT WITH A 50mm BY 150 mm STAKE.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

TYPE 2 & 3 LOAD CENTER DETAILS

DESIGNED BY: M. LUKSHIN	PROJECT NO. 69755
DRAWN BY: B. BENNETT	DATE: 2001
CHECKED BY: R. PURVES	SHEET S20

STATE OF ALASKA 19th Michael Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER

BEGIN PROJECT
STA. "0" 1+015.642

TO L-A3 (EXIST.)

KOOTZNOOWOO PLAZA

RIGHT TURN PERMITTED WITHOUT STOPPING

3C #8 (TYP. CIRCUIT A)

ALASKA

Old Dairy Rd

STOP

Glacier Hwy

200mm W

100mm DY

OLD DAIRY ROAD

3.6m

METER POST

L-B10

NO LEFT TURN 4 PM TO 6 PM

PARKING ANY TIME

SIGN POST

ELEC PED

ELEC VAULT

FOR CONTINUATION OF STRIPING, SEE SHEET T5

L-A1 L-A2 L-A4 L-A5 L-A6 L-A7 L-A8 L-A9

L-B1 L-B2 L-B3 L-B4 L-B5 L-B6 L-B7 L-B8 L-B9

L-C1

LC-A LC-B

TYPE I TYPE II TYPE III

UBS

EXISTING (10 RF ABANDONED)

EGAN DRIVE

1+000 1+100 1+200 1+300 1+400

35m 30m 10m 17m 20m

100mm W 200mm W

CROSSWALK 600mm W (TYP)

GLACIER HIGHWAY

1.65m

REMOVE EXIST. LOAD CENTER

TROUT STREET

Trout Rd

STOP

Glacier Hwy

SPEED LIMIT 30

Adopt A Highway

FOR CONTINUATION OF STRIPING, SEE SHEET J5

MCDONALD'S

SUBWAY SANDWICHES

NO PARKING OVER NIGHT

NO PARKING OF VEHICLES FOR SALE VEHICLES ALLOWED

ALASKA FEDERAL SAVINGS

JORDAN AVENUE

SEE SHEET S6 FOR SIGNS 28-35

LIGHTING JBOX

TRAF SIG JBOX

END CENTER LANE ONLY

CONC ELEC VAULT

Jordan Creek

Signal Interchange

100mm DY

100mm Y

"0" PC = 1+352.205

DRIVE-IN ENTRANCE

BUS STOP NO PARKING

VISITOR PARKING

NO BURNING

FIRST NATIONAL BANK OF ANCHORAGE

RIGHT LANE MUST TURN RIGHT

FOR CONTINUATION OF STRIPING, SEE SHEET T5

JORDAN CREEK MALL

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
B.O.P. TO STA. "0" 1+420
STRIPING, SIGNING AND ILLUMINATION PLAN

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: K. MATTSON	SHEET T1

STATE OF ALASKA 1959 Mike Lukshin CE-8537 REGISTERED PROFESSIONAL ENGINEER

CAPMAG BUILDING
SIDEWALK
DENALI ALASKAN FEDERAL CREDIT UNION
"PARTS PLUS" VALLEY AUTO PARTS
SHELL SIMMONS DRIVE
FOR CONTINUATION OF STRIPING, SEE SHEET T5
GLACIER HIGHWAY
POWELL REALTY PARKING
CASCADE STREET
"0" PT = 1+468.540
GREAT ESCAPE TRAVEL
STATE FARM INSURANCE
FOR CONTINUATION OF STRIPING, SEE SHEET J5
NATIONAL BANK OF ALASKA
LEE SMITH DRIVE
OLD SIGN
GLACIER HWY
BERNERS AVENUE
Berners Ave
MI CASA RESTAURANT
TRAVELODGE
"0" PC = 1+701.772
1+809.246
BEGIN ELEC OUTLET
TIRE SHED
AIRPORT
UNIVERSITY OF ALASKA JUNEAU
PUMP ISLAND
COVERED AREA
AIRPORT UNION
1+600
1+700
1+800
1+900

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH:	Q:\Jnu\69755\Planset\Strsign.dwg Mon, 19/Mar/01 10:50AM	
PLOT:	PSPACE: 1=1(F) OR MSPACE: 1=300(F) VIEWS: P3, P4, T2, S1	
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RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
STA. "0" 1+420 TO 1+900
STRIPING, SIGNING AND ILLUMINATION PLAN

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: K. MATTSON	SHEET T2

STATE OF ALASKA
Mike Lukshin
CE-8737
REGISTERED PROFESSIONAL ENGINEER

PROFESSIONAL PLAZA

VALLEY PAINT CENTER

SIGN

GLACIER HIGHWAY

1+900

2+000

2+100

100mm W

100mm Y

100mm DY

9.29m

22m

25m

17m

30m

200mm W

L-C13 L-C14 L-C15 L-C16

C13 C14 C15 C16

"0" PC = 2+025.369

BUS STOP (NO PARKING)

BEGIN CENTER LANE ONLY

END CENTER LANE ONLY

ANY TIME (NO PARKING)

ENTER DO NOT STOP

GLACIER VALLEY ROTARY HELPING DUCK CREEK

DUCK CREEK (NO PARKING) ANY TIME

STOP Loop Rd Glacier Hwy

OLD GLACIER HWY NORTH

L-D1 D1

JBOX

AIRPORT MINI MALL

VALLEY RESTAURANT

ROSWICK GILES MUSIC/ COPY SHOP PHOTOMASTER

FITNESS PLUS

86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104

L-C13 L-C14 L-C15

OLD GLACIER HWY NORTH

L-D1 D1

L-D2 D2

L-D3 D3

L-D4 D4

17m

30m

200mm W

100mm DY

100mm W

2+200

100mm Y

100mm W

MENDENHALL LOOP ROAD

SPEED LIMIT 30

NO PARKING BUS STOP

106 107 108 109 110 111 112 113 114

Del Rae Rd

Loop Rd

STOP

DEL RAE ROAD

ADOPT A HIGHWAY LITTER CONTROL

JUNEAU RAINBOW GIRLS

SIGN

"0" PT = 2+158.513

"0" PC = 2+256.250

SPEED LIMIT 35

ELEC METER

VERT PIPE

DOMINO'S PIZZA

NEW CONSTRUCTION

GRANDMA'S BED AND BREAKFAST

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Strsign.dwg Mon, 19/Mar/01 10:51AM		
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BY:	DATE:	DESCRIPTION OF CHANGE:

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

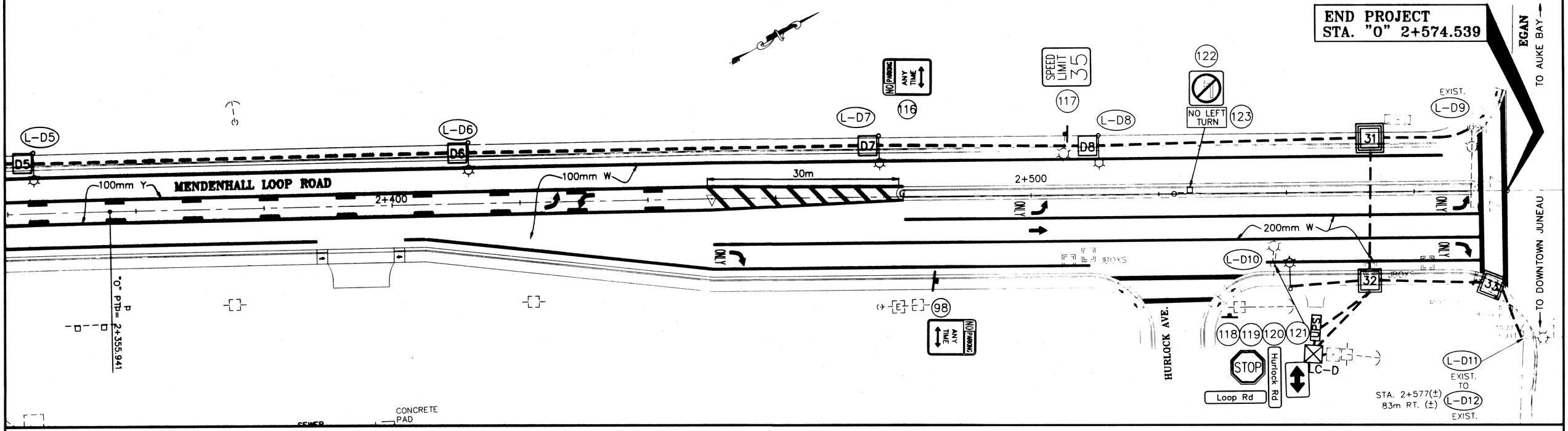
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
STA. "0" 1+900 TO 2+340
STRIPING, SIGNING AND ILLUMINATION PLAN

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: K. MATTSON	SHEET T3

STATE OF ALASKA 49th Mike Tupchin CE-8737 REGISTERED PROFESSIONAL ENGINEER

SEE SHEETS S-11 TO S-13 FOR SIGNAL DETAILS.



NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Strsign.dwg Mon, 19/Mar/01 10:51AM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=300(F) VIEWS: P7, P8, T4, S1		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

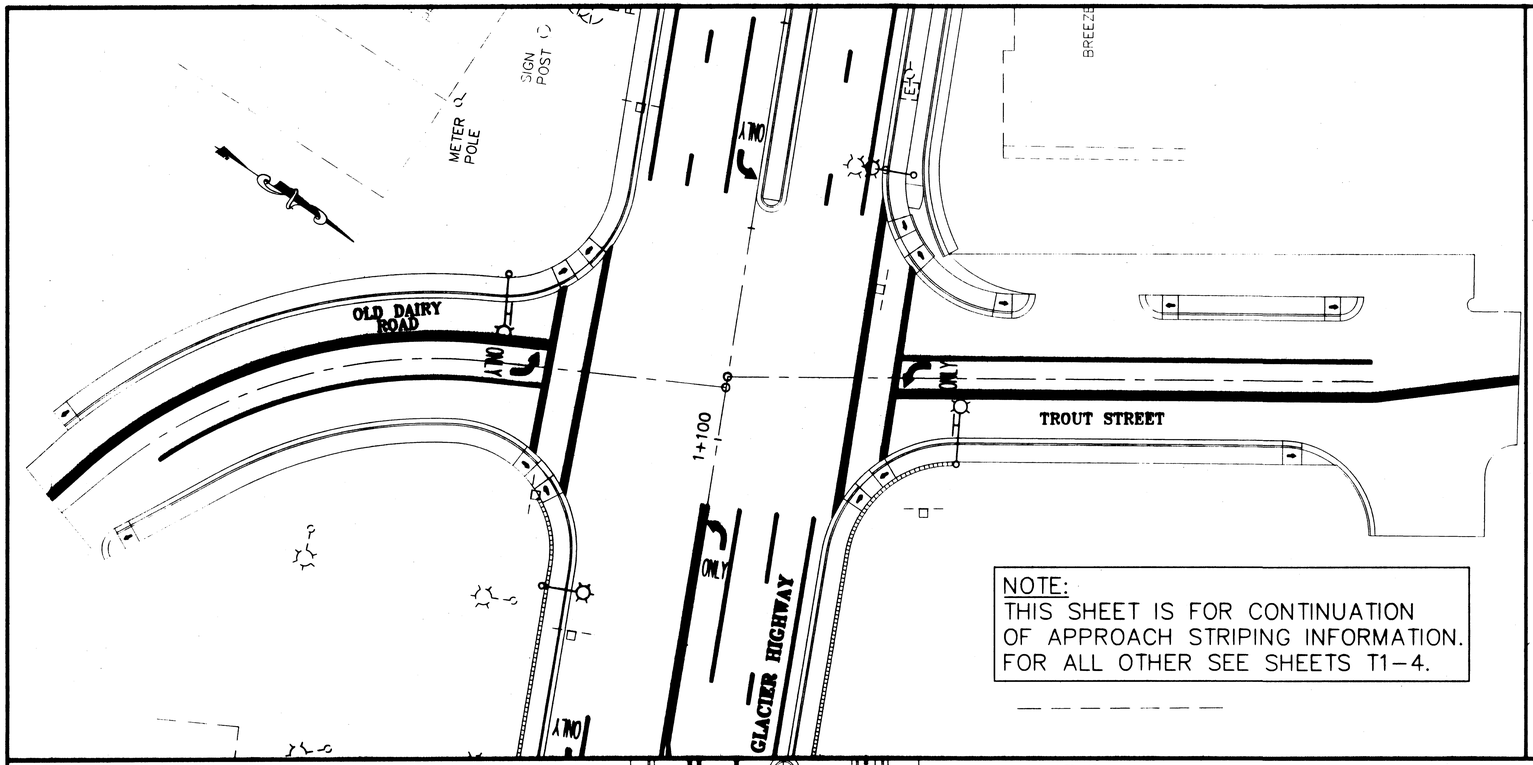
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

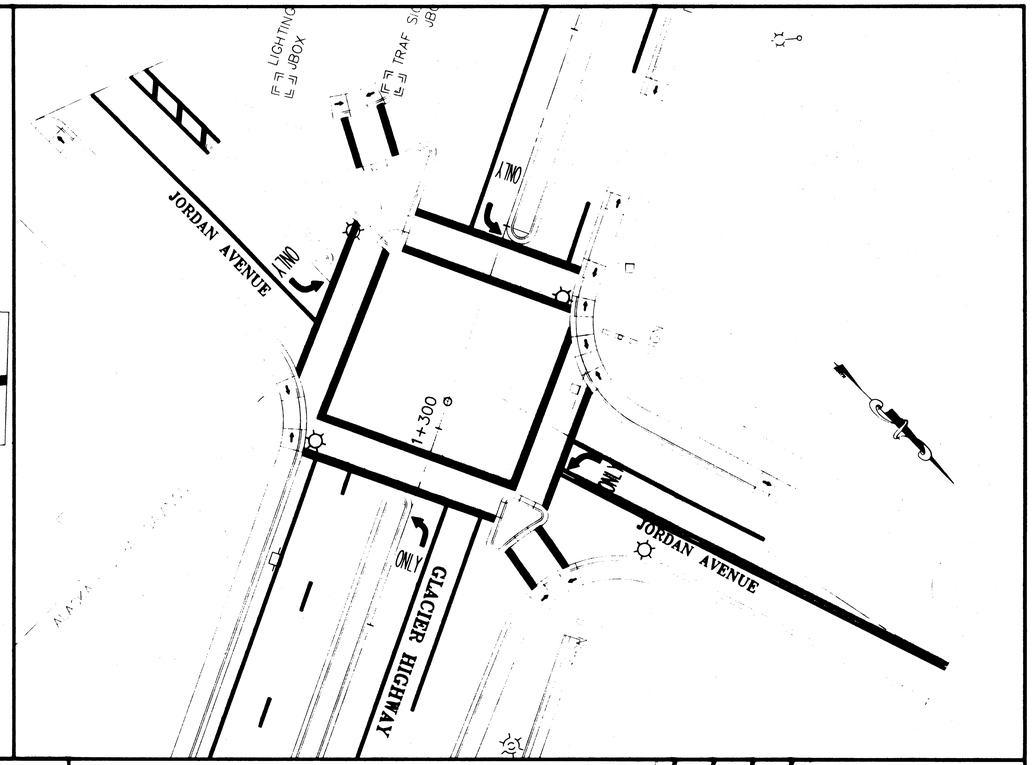
JUNEAU — ALASKA

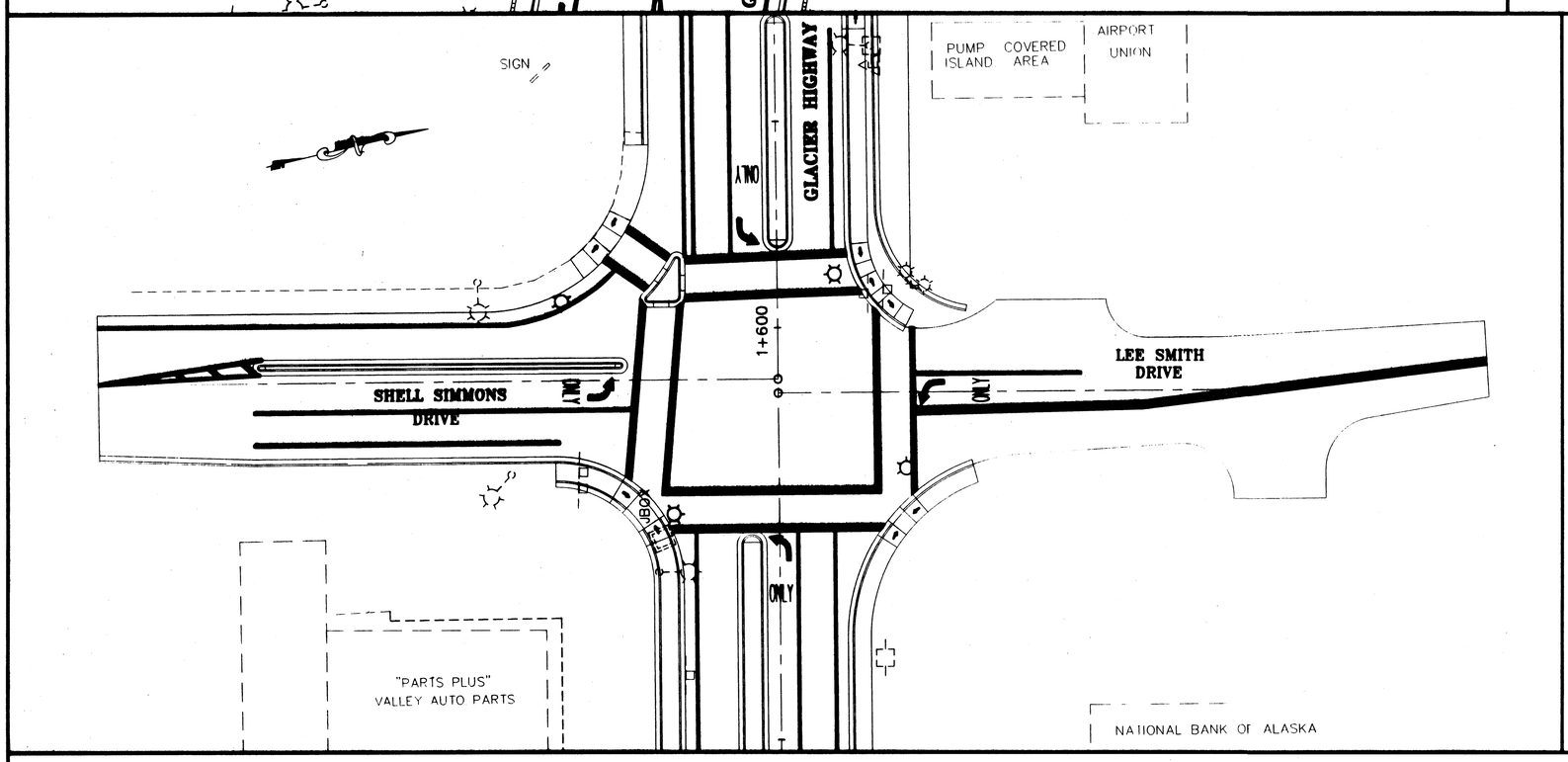
JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
STA. "0" 2+340 TO E.O.P.
STRIPING, SIGNING AND ILLUMINATION PLAN

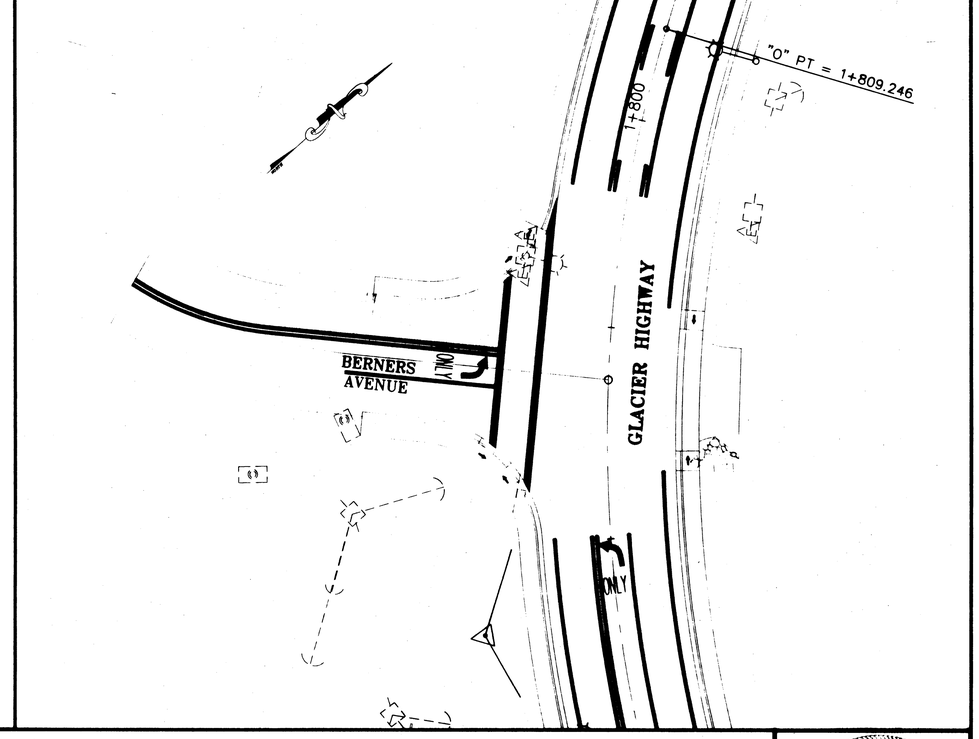
DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: K. MATTSON	SHEET T4

STATE OF ALASKA
Mike Lukshin
CE-8737
REGISTERED PROFESSIONAL ENGINEER
19th









NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Intstr.dwg Mon, 19/Mar/01 10:53AM
PLOT: PS: 1=1(F) OR MS: 1=300(F) VS: I1,I2,I3,I4,T5,S1 TAB: INTSTR

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

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

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
APPROACH STRIPING, SIGNING & ILLUMINATION PLANS

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: K. MATTSON	SHEET T5

STATE OF ALASKA
49th
Michael Lukshin
CE-8737
REGISTERED PROFESSIONAL ENGINEER

STANDARD SIGNING SCHEDULE

SIGN NO.	STATION	OFFSET	CODE NO. (ASDS)	LEGEND	SIZE	AREA S.M.	NO. POSTS	POST SIZE	TYPE	EMBEDMENT TYPE	FACING TRAFFIC	REMARKS
1	1+044.230	13.690 LT	R10-14	RIGHT TURN PERMITTED WITHOUT STOPPING								EXISTING, BAND TO LIMINAIRE
2	1+079.200	10.860 LT	M1-6	ALASKA 7								REMOVE
3		10.860 LT	W1-7	⟷								REMOVE
4	1+091.880	16.920 LT	D3-1B	OLD DAIRY RD	1.06x0.2	0.22					SB/WB	MOUNT ABOVE 5
5			R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		NB	
6			D3-1	GLACIER HWY	0.91x0.2	0.18					NB/SB	MOUNT ABOVE 5
7	1+100		SPECIAL	NO LEFT TURN 4-6PM 2438	2.44x0.76	1.86					NB	SPECIAL OVERHEAD SIGN-SEE SHEETS T14, T15 & S3
8	1+113		SPECIAL	NO LEFT TURN 4-6PM 2438	2.44x0.76	1.86					SB	SPECIAL OVERHEAD SIGN-SEE SHEETS T14, T15 & S3
9	1+122.000	17.3000 RT	D3-1B	TROUT ST	0.76x0.2	0.15						MOUNT ABOVE 8
10			R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		SB	
11			D3-1	GLACIER HWY	0.91x0.2	0.18					NB/SB	MOUNT ABOVE 8
12	1+130.110	14.000 LT	R7-101	NO PARKING ANYTIME	0.3x0.46	0.14	1	64mm	PST		EB	PARALLEL TO TRAFFIC
13	1+152.950	13.800RT	R2-1	SPEED LIMIT 30	0.76x0.91	0.68	1	64mm	PST		WB	
14	1+165	12.0 RT		ADOPT-A-HIGHWAY								RELOCATE EXISTING SIGN
15	1+173.800	16.600 LT	R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		NB	
16	1+194.000	LT.	R3-7R	RIGHT LANE MUST TURN RIGHT	0.76x0.9	0.68	1	64mm	PST		EB	
17	1+202.690	℄	R4-7									REMOVE
18			OM-4									REMOVE
19	1+207.550	15.777 LT		NO PARKING OVER NIGHT								RELOCATE EXISTING SIGN
20			R4-7									REMOVE
21			OM-4									REMOVE
22	1+215.000	14.700 RT	R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		SB	
23	1+210.000	℄	R3-2	NO LEFT TURN	0.76x0.76	0.58	1	64mm	PST		SB	
24	1+230.370	14.677 LT		NO PARKING OF "FOR SALE" VEHICLES ALLOWED								RELOCATE EXISTING SIGN
25				NO PARKING OVER NIGHT								RELOCATE EXISTING SIGN
26	1+231.199	17.190 RT		VISITOR PARKING								RELOCATE EXISTING SIGN
27	1+271.075	17.188 RT		VISITOR PARKING								RELOCATE EXISTING SIGN
28	POLE 5		D3-B1	GLACIER HWY	2.06x.46	0.95					NB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S7
29	POLE 5		R10-3	LT TURN ONLY YIELD ON GREEN	.76x.91	0.70					NB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S7
30	POLE 3		D3-1B	JORDAN AVE	2.06x.46	0.95					EB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S7
31	POLE 3		R10-3	LT TURN ONLY YIELD ON GREEN	.76x.91	0.70					EB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S7
32	POLE 2		D3-1B	JORDAN AVE	2.06x.46	0.95					WB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S7
33	POLE 2		R10-3	LT TURN ONLY YIELD ON GREEN	.76x.91	0.70					WB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S7
34	POLE 1		D3-1B	GLACIER HWY	2.06x.46	0.95					SB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S7
35	POLE 1		R10-3	LT TURN ONLY YIELD ON GREEN	.76x.91	0.70					SB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S7
36	1+320.811	11.688 RT		DRIVE-IN ENTRANCE								RELOCATE EXISTING SIGN
37	1+345.240	9.641 RT	R7-107	BUS STOP								REMOVE
38	1+348.000	11.245 LT	R7-202M	END								REMOVE
39			R3-9B	CENTER LANE ONLY								REMOVE
40	1+367.500		R7-101	NO PARKING ANYTIME								PARALLEL TO TRAFFIC
41	1+367.500	12.600 RT	I-3	JORDAN CREEK	1.83x0.91	1.67	2	64mm	PST			
42	1+393.000	11.929 RT		NO BURNING								RELOCATE EXISTING SIGN
43	1+428.980	11.333 LT	I-3	JORDAN CREEK	1.83x0.91	1.67	2	64mm	PST			
44			R7-101	NO PARKING ANYTIME	0.3x0.46	0.14	1	64mm	PST		EB	PARALLEL TO TRAFFIC
45	1+433.140	11.473 LT	R7-107	BUS STOP								REMOVE
46	1+446.940	11.478 LT	R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		NB	
47	1+462.300	14.000 LT	D3-1B	CASCADE ST	0.91x0.2	0.18					EB/WB	MOUNT ABOVE 40
48			D3-1	GLACIER HWY	0.91x0.2	0.18					NB/SB	MOUNT ABOVE 40
49			R1-1	STOP								
50	1+513.350	12.250 LT	R2-1	SPEED LIMIT 30	0.76x0.91	0.68						BAND TO LUMINAIRE
51	1+518.600	13.100 LT	R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		NB	
52	1+513.000	11.317 RT	I-5	AIRPORT (SYMBOL)	0.61x0.61	0.37	1	64mm	PST		WB	
53	1+513.000	11.317 RT	I-5	AIRPORT	0.61x0.15	0.09					WB	
54	1+513.000	11.317 RT	I-5	←	0.61x0.15	0.09					WB	
55	1+558.340	7.874 LT	R7-202K	BEGIN								REMOVE
56			R3-9B	CENTER LANE ONLY								REMOVE
57	1+537.300	11.700 LT	R7-101	NO PARKING ANYTIME	0.3x0.46	0.14	1	64mm	PST		EB	PARALLEL TO TRAFFIC

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

SIGNING SUMMARY

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET 78

STATE OF ALASKA 49th Mike Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER

STANDARD SIGNING SCHEDULE (CONTINUED)

SIGN NO.	STATION	OFFSET	CODE NO. (ASDS)	LEGEND	SIZE	AREA S.M.	NO. OF	POST SIZE	TYPE	EMBEDMENT TYPE	FACING TRAFFIC	REMARKS
58			R7-107	BUS STOP								REMOVE
59			R1-1	STOP	0.76x0.76						NB	REMOVE
60	POLE 4		D3-1B	GLACIER HWY	2.06x0.46	0.95					NB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S11
61	POLE 4		R10-3	LT TURN ONLY YIELD ON GREEN	0.76x0.91	0.70					NB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S11
62	POLE 5		D3-1B	LEE SMITH DR.\SHELL SIMONS DR.	2.06x0.46	0.95					EB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S11
63	POLE 5		R10-3	LT TURN ONLY YIELD ON GREEN	0.76x0.91	0.70					EB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S11
64	POLE 3		D3-1B	LEE SMITH DR.\SHELL SIMONS DR.	2.06x0.46	0.95					WB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S11
65	POLE 3		R10-3	LT TURN ONLY YIELD ON GREEN	0.76x0.91	0.70					WB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S11
66	POLE 1		D3-1B	GLACIER HWY	2.06x0.46	0.95					SB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S11
67	POLE 1		R10-3	LT TURN ONLY YIELD ON GREEN	0.76x0.91	0.70					SB	MOUNT ON SIGNAL MAST ARM - SEE SHEET S11
68	1+603.440	10.311 RT	D1-3A	UNIVERSITY OF ALASKA JUNEAU 2.3 mi	2.06x0.46	0.95						RELOCATE
69			R1-1	STOP	0.76x0.76	0.58					SB	REMOVE
70			D3-1	GLACIER HWY								REMOVE
71	1+660.220	15.500 LT	I-5	AIRPORT	0.61x0.61	0.37	1	64mm	PST		EB	
72			I-5	➡	0.61x0.15	0.09					EB	MOUNT BELOW 53
73			I-5	AIRPORT	0.61x0.15	0.09					EB	MOUNT BELOW 53
74	1+685	8.9 RT	R7-101	NO PARKING ANYTIME	0.31x0.46	0.14	1	50mm	PST		NB	PARALLEL TO TRAFFIC
75	1+730.980	10.244 RT	R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		SB	
76	1+764.910	11.000 LT	D3-1B	BERNERS AVE	0.91x0.20	0.18					EB/WB	MOUNT ABOVE 77
77			D3-1	GLACIER HWY	0.91x0.20	0.18	1				NB/SB	MOUNT ABOVE 77
78			R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		NB	
79	1+783.500	22.943 LT	R2-1	SPEED LIMIT 20	0.76x0.91	0.68	1	64mm	PST		SB	
80	1+838.920	7.887 LT	R3-9B	CENTER LANE ONLY								REMOVE
81	1+838.900	9.164 LT	R7-101	NO PARKING ANYTIME	0.30x0.96	0.15	1	64mm	PST			PARALLEL TO TRAFFIC
82	1+859.000	11.200 LT	R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		NB	
83	1+809.000	9.682 RT	R7-202K	BEGIN	0.61x0.50	0.15					WB	MOUNT ABOVE 67 BAND TO LUMINAIRE
84			R3-9B	CENTER LANE ONLY	0.76x0.91	0.58					WB	BAND TO LUMINAIRE
85			R7-101	NO PARKING ANYTIME	0.30x0.46	0.15					WB	BAND TO LUMINAIRE, PARALLEL TO TRAFFIC
86	1+923.180	9.364 LT	R7-107	BUS STOP								REMOVE
87	1+937.343	10.824 RT	R7-107	BUS STOP								REMOVE
88	2+044.809	10.161 LT	R7-202K	BEGIN	0.61x0.50	0.15					EB	MOUNT ABOVE 72
89			R3-9B	CENTER LANE ONLY	0.76x0.91	0.68	1	64mm	PST		EB	
90	2+069.977	12.015 LT	R7-101	NO PARKING ANYTIME	0.30x0.46	0.15	1	64mm	PST		EB	MOUNT PERPENDICULAR TO TRAFFIC
91	2+010.100	10.000 RT	R7-202M	END	0.61x0.50	0.15					WB	MOUNT ABOVE 75
92			R3-9B	CENTER LANE ONLY	0.76x0.50	0.58					WB	BAND TO LUMINAIRE
93	2+084.000	9.400 LT	R7-101	NO PARKING ANYTIME	0.30x0.46	0.15					EB	BAND TO LUMINAIRE
94	2+072.000	16.900 LT	R1-1	STOP								REMOVE
95			R5-1	DO NOT ENTER								REMOVE
96	2+089.790	14.119 LT	R5-1	DO NOT ENTER								REMOVE
97	2+092.630	31.332 LT		GLACIER VALLEY ROTARY								RELOCATE EXISTING SIGN
98				HELPING DUCK CREEK								RELOCATE EXISTING SIGN
99	2+103.169	34.544 LT	I-3	DUCK CREEK								RELOCATE EXISTING SIGN
100			R7-101	NO PARKING ANYTIME								REMOVE
101	2+104.749	15.556 LT	D3-1	GLACIER HWY	0.91x0.20	0.18					EB/WB	MOUNT ABOVE 86
102			D3-1	LOOP RD	0.76x0.20	0.15					NB/SB	MOUNT ABOVE 86
103			R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		SB	
104	2+124.490	9.600 RT	R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		NB	
105	2+217.500	10.500 RT	R2-1	SPEED LIMIT 35	0.76x0.91	0.58	1	64mm	PST		WB	
106	2+217.500	12.178 LT	R2-1	SPEED LIMIT 30	0.76x0.91	0.68					EB	BAND TO LUMINAIRE
107	2+240.000	10.100 LT	R7-107	BUS STOP								REMOVE
108	2+245.531	11.300 LT	D3-1B	DEL RAE RD	0.76x0.20	0.15						MOUNT ABOVE 92
109			R1-1	STOP	0.76x0.76	0.58	1	64mm	PST			
110			D3-1	LOOP RD	0.76x0.20	0.15					NB/SB	MOUNT ABOVE 92
111	2+272.316	10.288 LT		ADOPT A HIGHWAY LITTER CONTROL								RELOCATE EXISTING SIGN
112				JUNEAU RAINBOW GIRLS								RELOCATE EXISTING SIGN

SIGN NOTES:

1. ALL BUS STOP SIGNS ARE TO BE REMOVED. NEW SIGNS WILL BE INSTALLED BY OTHERS.
2. GLACIER HWY/LOOP RD IS ASSUMED TO BE GOING EAST/WEST FOR SIGN PLACEMENT.
3. LOCATIONS OF SIGNS SHOWN ON SIGNAL MAST ARMS WILL BE SHOWN ON SIGNAL DETAILS, SHEET X.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755
SIGNING SUMMARY

DESIGNED BY: R. PURVES
DRAWN BY: R. SNYDER
CHECKED BY: M. LUKSHIN

PROJECT NO. 69755
DATE: 2001
SHEET T7

STATE OF ALASKA 49th Mike Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER

STANDARD SIGNING SCHEDULE (CONTINUED)

SIGN NO.	STATION	OFFSET	CODE NO. (ASDS)	LEGEND	SIZE	AREA S.M.	NO. OF	POST SIZE	TYPE	EMBEDMENT TYPE	FACING TRAFFIC	REMARKS
(113)	2+290.740	9.453 RT	R7-101	NO PARKING ANYTIME								REMOVE
(114)			R7-107	BUS STOP								REMOVE
(115)	2+485.510	13.221 RT	R7-101	NO PARKING ANYTIME	0.30x0.46	0.15	1	64mm	PST		WB	PARALLEL TO TRAFFIC
(116)	2+476.200	9.871 LT	R7-101	NO PARKING ANYTIME	0.30x0.46	0.15					EB	BAND TO LUMINAIRE PARALLEL TO TRAFFIC
(117)	2+510.600	9.700 LT	R2-1	SPEED LIMIT 35	0.76x0.91	0.68	1				WB	BAND TO LUMINAIRE
(118)	2+530.963	18.818 RT	D3-1B	HURLOCK AVE	0.60x0.20	0.12					NB/SB	MOUNT ABOVE 102
(119)			R1-1	STOP	0.76x0.76	0.58	1	64mm	PST		NB	
(120)			D3-1	LOOP RD	0.76x0.20	0.15					EB/WB	MOUNT ABOVE 102
(121)	2+537.950	11.117 RT	M6-4	DOUBLE ARROW								REMOVE
(122)	2+524.5	℄	R3-2	NO LEFT TURN (SYMBOL)	0.76x0.76	0.58	1	64mm	PST		SB	FACING HURLOCK
(123)	2+524.5	℄	R3-2	NO LEFT TURN	0.61x0.46	0.28	1	64mm	PST		SB	FACING HURLOCK
				TOTAL SQUARE METERS		42.63						

SIGN NOTES:

1. ALL BUS STOP SIGNS ARE TO BE REMOVED. NEW SIGNS WILL BE INSTALLED BY OTHERS.
2. GLACIER HWY/LOOP RD IS ASSUMED TO BE GOING EAST/WEST FOR SIGN PLACEMENT.
3. LOCATIONS OF SIGNS SHOWN ON SIGNAL MAST ARMS WILL BE SHOWN ON SIGNAL DETAILS, SHEET X.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

SIGNING SUMMARY

DESIGNED BY: R. PURVES	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET 78

STATE OF ALASKA 1910 Mike Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER

NOTES:

1. SEE T-13 FOR LIGHTING NOTES.
2. EXISTING ELECTROLIERS AND J-BOXES ARE NOT SUMMARIZED. SIGNAL J-BOXES ARE SUMMARIZED IN SECTION "S".

LUMINAIRE SUMMARY

NO.	STATION "0"	OFFSET LEFT	OFFSET RIGHT	REMARKS
L-A1	1+083.44	14.66		12.2m POLE
L-A2	1+045.25	16.35		12.2m POLE
L-A7	1+044.51		14.67	12.2m POLE
L-A8	1+127.52		14.40	
L-A9	1+100.77		23.08	OVERHEAD SIGN POLE
L-B1	1+155.06	14.36		
L-B2	1+216.28	14.33		
L-B3	1+294.96	14.95		ON SIGNAL POLE 3
L-B4	1+318.84	14.09		ON SIGNAL POLE 1
L-B5	1+357.10	10.75		
L-B6	1+186.44		14.38	
L-B7	1+257.45		14.38	
L-B8	1+294.80		9.99	ON SIGNAL POLE 5
L-B9	1+315.47		11.99	ON SIGNAL POLE 2
L-B10	1+113.00	22.43		OVERHEAD SIGN POLE
L-C1	1+405.53		9.67	
L-C2	1+474.89		9.30	
L-C3	1+438.62	9.40		
L-C4	1+513.35	12.25		
L-C5	1+582.05	15.72		OVERHEAD SIGNAL POLE 5
L-C6	1+606.99	21.08		OVERHEAD SIGNAL POLE 1
L-C7	1+579.28		12.59	OVERHEAD SIGNAL POLE 4
L-C8	1+605.15		10.93	OVERHEAD SIGNAL POLE 3
L-C9	1+675.04	14.10		
L-C10	1+742.08	9.40		
L-C11	1+808.74		9.50	
L-C12	1+869.35		9.40	
L-C13	1+950.51		11.13	
L-C14	2+010.65		10.00	
L-C15	2+083.61		9.40	
L-D1	2+120.94	24.22		
L-D2	2+147.57	13.00		
L-D3	2+217.50	10.10		
L-D4	2+278.39	9.70		
L-D5	2+344.22	9.70		
L-D6	2+412.07	9.70		
L-D7	2+476.20	9.70		
L-D8	2+510.63	9.70		

J-BOX SUMMARY

NO.	STATION "0"	OFFSET LEFT	OFFSET RIGHT	REMARKS
A1	1+082.11	12.92		
A2	1+043.55	15.12		
A3	1+017.82	33.34		
A5	1+102.00		23.08	
B1	1+155.06	13.25		
B2	1+216.28	13.25		
B3	1+251.76	13.25		
B4	1+356.83	9.44		
B5	1+186.44		13.25	
B6	1+222.02		13.25	
B7	1+256.02		13.25	
B8	1+391.28	8.53		
B9	1+110.84		22.43	
C1	1+407.04		8.60	
C2	1+474.96		8.60	
C3	1+528.31		8.60	
C4	1+438.61	8.60		
C5	1+484.95	8.60		
C6	1+510.07	10.96		
C7	1+675.27	13.50		
C8	1+742.07	8.60		
C9	1+760.89	8.60		
C10	1+761.96		8.60	
C11	1+808.81		8.60	
C12	1+869.45		8.60	
C13	1+950.58		9.86	
C14	2+010.61		8.60	
C15	2+042.33		8.60	
C16	2+082.08		8.60	
D1	2+119.72	24.23		
D2	2+147.57	12.26		
D3	2+217.57	9.40		
D4	2+278.31	8.60		
D5	2+344.24	8.60		
D6	2+412.07	8.60		
D7	2+476.20	8.60		
D8	2+510.55	8.60		

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

RECORD OF REVISIONS		
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

LUMINAIRE SUMMARY OF QUANTITIES

DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET 19

STATE OF ALASKA — 19th — Michael Lukshin — CE-8737 — REGISTERED PROFESSIONAL ENGINEER

SUMMARY OF LOAD CENTER: LC-A

LOAD CENTER TYPE 1

LOAD CENTER: LOCATION DATA: "0" STA. 0+978.95, 13.94m RT. (EGAN DRIVE AT McNUGGET)
POWER SOURCE: POWER POLE, "0" STA. 0+964.000, 5m RT.
PHOTOELECTRIC CONTROL: YES

SERVICE VOLTAGE 1 PHASE, 3-WIRE, 120/240 VOLTS, 60 Hz.

INTERRUPTING CAPACITY OF CIRCUIT BREAKERS-SERIES RATED 10,000 AIC
PROVIDE METER SOCKET? YES SERVICE AMPS 125A

MAIN BREAKER A: 120/240 VOLT, 2 POLE, 100 AMPHERES

CONTACTOR: 600 VOLT, 12 POLE, 30 AMPHERES

LOAD PANEL A SUMMARY

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER AMPS	BREAKER POLES
A1	PHOTO ELECTRIC CONTROL	0.10	15A	2
A2	TRAFFIC SIGNAL SYSTEM	4.99	60A	1
A3	HIGHWAY LIGHTING	3.00	20A	2
A4	SPARE	–	20A	2
A5	SPARE	–	20A	2
A6	SPARE	–	20A	2
	TOTAL DEMAND LOAD:	7.80 KVA		

SUMMARY OF LOAD CENTER: LC-B

LOAD CENTER TYPE 1

LOAD CENTER: LOCATION DATA: "0" STA. 1+300.15, 19.60m LT. (GLACIER HIGHWAY AT JORDAN AVENUE)
POWER SOURCE:
PHOTOELECTRIC CONTROL: YES

SERVICE VOLTAGE 1 PHASE, 3-WIRE, 120/240 VOLTS, 60 Hz.

INTERRUPTING CAPACITY OF CIRCUIT BREAKERS-SERIES RATED 10,000 AIC
PROVIDE METER SOCKET? YES SERVICE AMPS 125A

MAIN BREAKER A: 120/240 VOLT, 2 POLE, 100 AMPHERES

CONTACTOR: 600 VOLT, 12 POLE, 30 AMPHERES

LOAD PANEL A SUMMARY

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER AMPS	BREAKER POLES
B1	PHOTO ELECTRIC CONTROL	0.10	15A	2
B2	TRAFFIC SIGNAL SYSTEM	5.20	60A	1
B3	HIGHWAY LIGHTING	1.34	15A	2
B4	HIGHWAY LIGHTING	1.01	15A	2
B5	HIGHWAY LIGHTING	1.01	15A	2
B6	SPARE	–	20A	2
	TOTAL DEMAND LOAD:	8.33 KVA		

SUMMARY OF LOAD CENTER: LC-C

LOAD CENTER TYPE 1

LOAD CENTER: LOCATION DATA: "0" STA. 1+610.00, 18.14m LT. (GLACIER HIGHWAY AT SHELL SIMMONS)
POWER SOURCE:
PHOTOELECTRIC CONTROL: YES

SERVICE VOLTAGE 1 PHASE, 3-WIRE, 120/240 VOLTS, 60 Hz.

INTERRUPTING CAPACITY OF CIRCUIT BREAKERS-SERIES RATED 10,000 AIC
PROVIDE METER SOCKET? YES SERVICE AMPS 125A

MAIN BREAKER A: 120/240 VOLT, 2 POLE, 100 AMPHERES

CONTACTOR: 600 VOLT, 12 POLE, 30 AMPHERES

LOAD PANEL A SUMMARY

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER AMPS	BREAKER POLES
C1	PHOTO ELECTRIC CONTROL	0.10	15A	2
C2	TRAFFIC SIGNAL SYSTEM	5.20	60A	1
C3	HIGHWAY LIGHTING	1.26	15A	2
C4	HIGHWAY LIGHTING	1.26	15A	2
C5	HIGHWAY LIGHTING	0.84	15A	2
C6	HIGHWAY LIGHTING	2.94	15A	2
C7	SPARE	–	20A	2
C8	SPARE	–	20A	2
	TOTAL DEMAND LOAD:	11.50 KVA		

SUMMARY OF LOAD CENTER: LC-D

LOAD CENTER TYPE 1

LOAD CENTER: LOCATION DATA: "0" STA. 2+544.69, 25.14m RT. (EGAN DRIVE AND MENDENHALL LOOP ROAD)
POWER SOURCE:
PHOTOELECTRIC CONTROL: YES

SERVICE VOLTAGE 1 PHASE, 3-WIRE, 120/240 VOLTS, 60 Hz.

INTERRUPTING CAPACITY OF CIRCUIT BREAKERS-SERIES RATED 10,000 AIC
PROVIDE METER SOCKET? YES SERVICE AMPS 125A

MAIN BREAKER A: 120/240 VOLT, 2 POLE, 100 AMPHERES

CONTACTOR: 600 VOLT, 12 POLE, 30 AMPHERES

LOAD PANEL A SUMMARY

CIRCUIT NUMBER	DESCRIPTION	KVA LOAD	BREAKER AMPS	BREAKER POLES
D1	PHOTO ELECTRIC CONTROL	0.10	15A	2
D2	TRAFFIC SIGNAL SYSTEM	5.20	60A	1
D3	HIGHWAY LIGHTING	3.78	20A	2
D4	SPARE	–	20A	2
D5	SPARE	–	20A	2
D6	SPARE	–	20A	2
D7	–	–	–	–
D8	–	–	–	–
	TOTAL DEMAND LOAD:	9.80 KVA		

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Luminsum2.dwg Mon, 19/Mar/01 01:12PM
PLOT: MSPACE: 1=1(F)

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

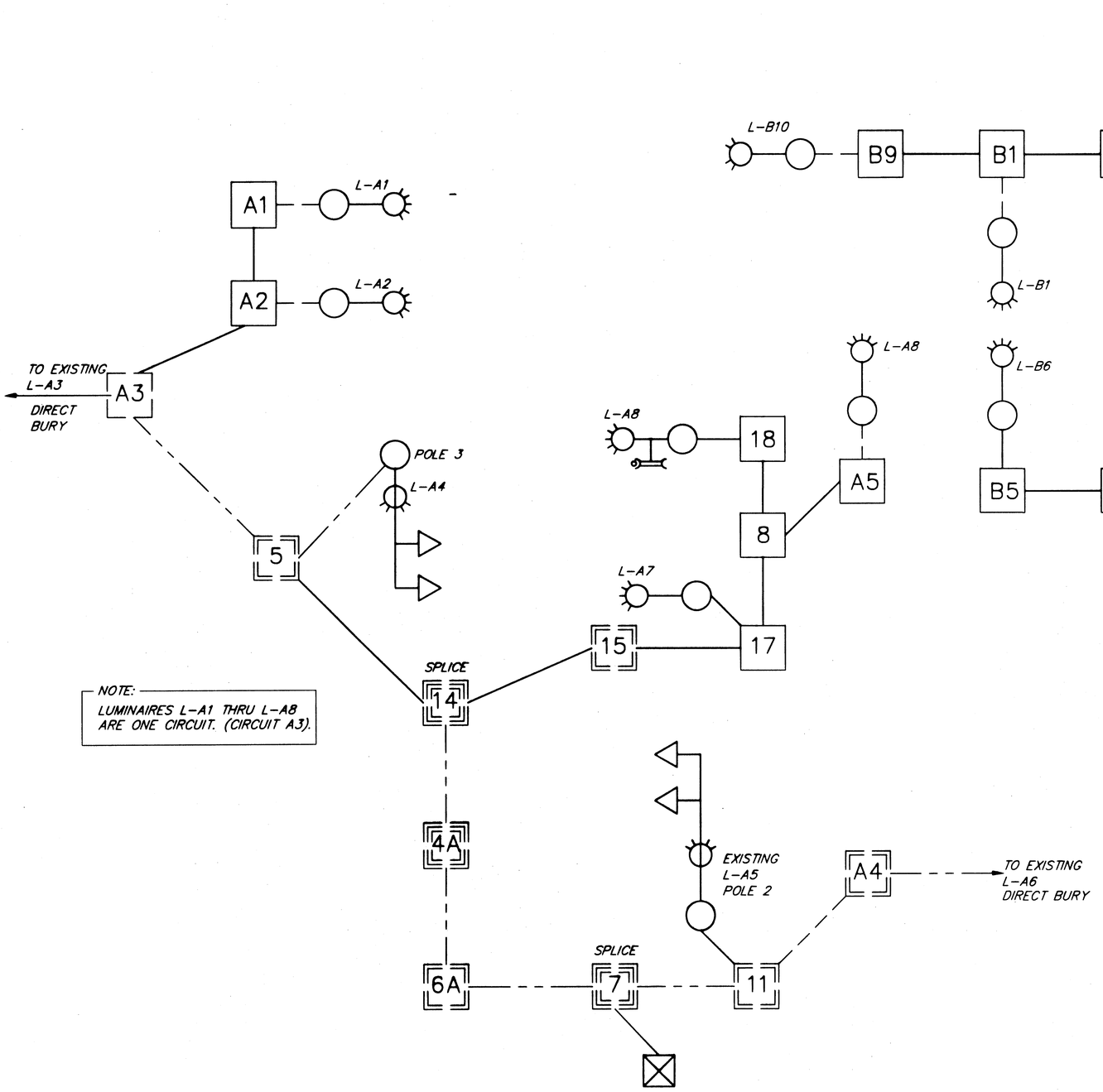
JUNEAU ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

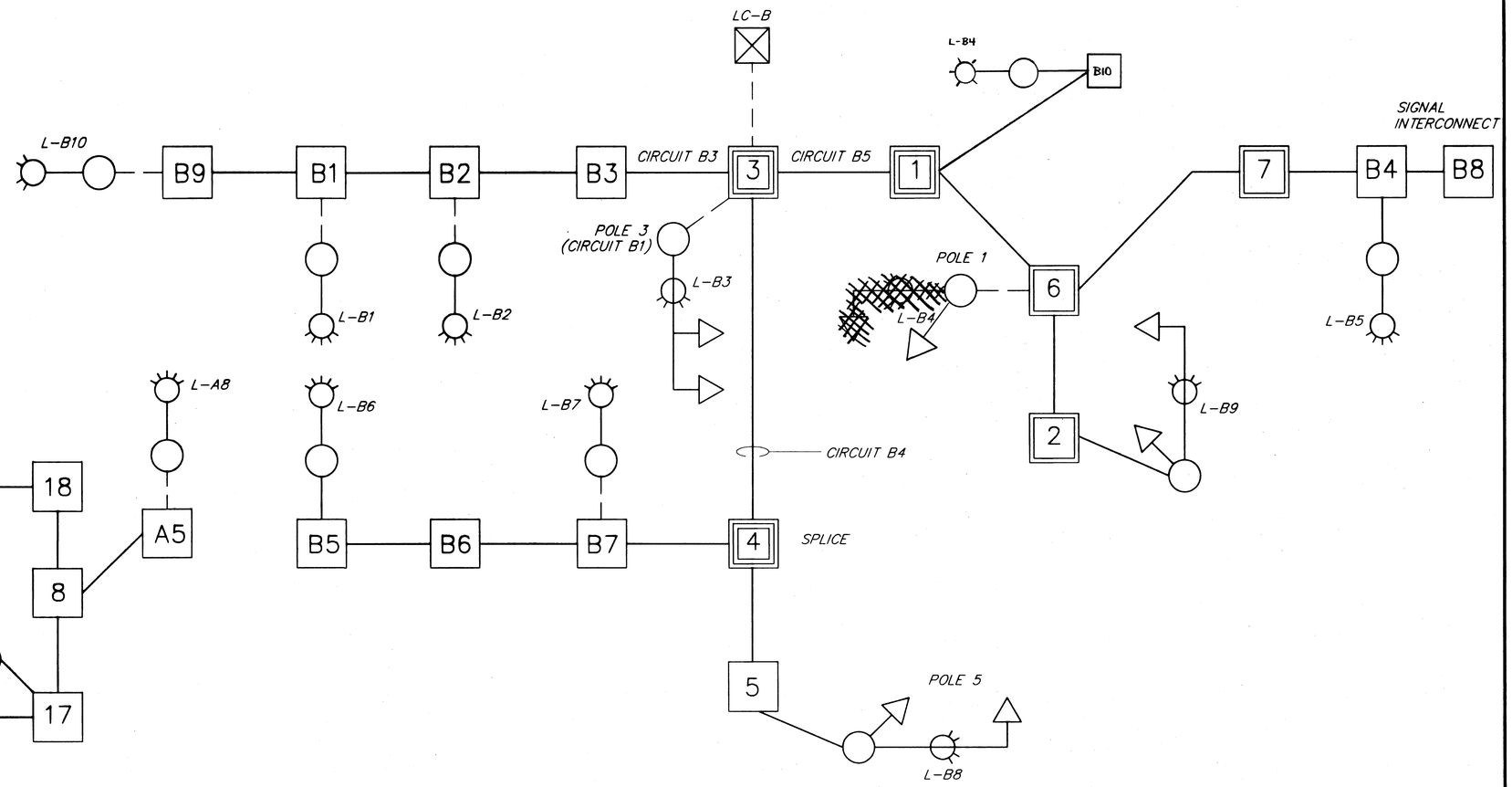
LOAD CENTER SUMMARIES

DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET T10

STATE OF ALASKA
Michael Lukshin
CE-8737
REGISTERED PROFESSIONAL ENGINEER
19th



LIGHTING SCHEMATIC FOR LOAD CENTER A



LIGHTING SCHEMATIC FOR LOAD CENTER B

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Mdloopwire2.dwg Mon, 19/Mar/01 01:14PM		
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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

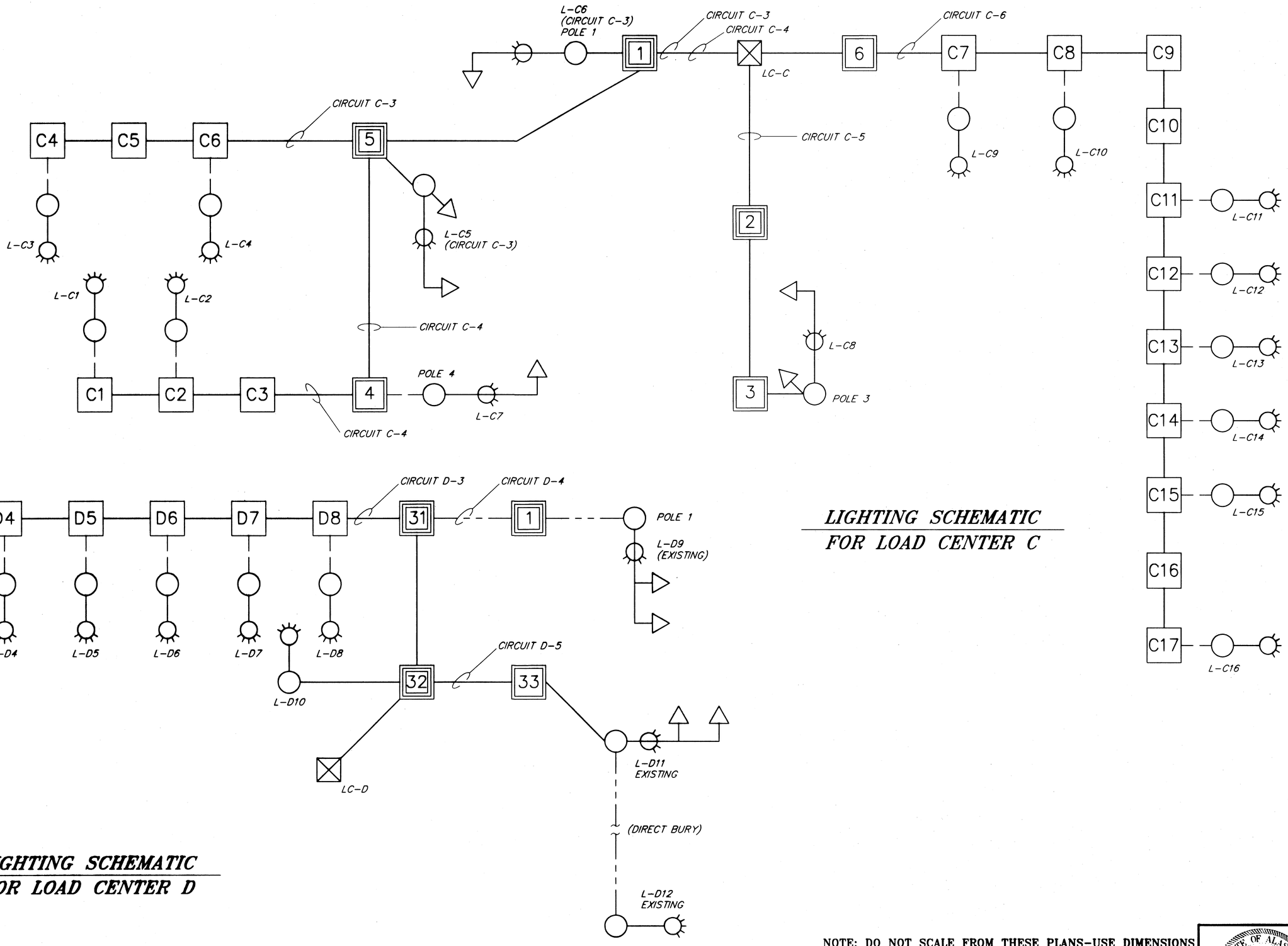
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

EGAN DRIVE/GLACIER HWY. WIRING DIAGRAM

DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET T11

STATE OF ALASKA 1959 Mike Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER



LIGHTING SCHEMATIC FOR LOAD CENTER C

LIGHTING SCHEMATIC FOR LOAD CENTER D

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Mdloopwire2.dwg Mon, 19/Mar/01 01:14PM		
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BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

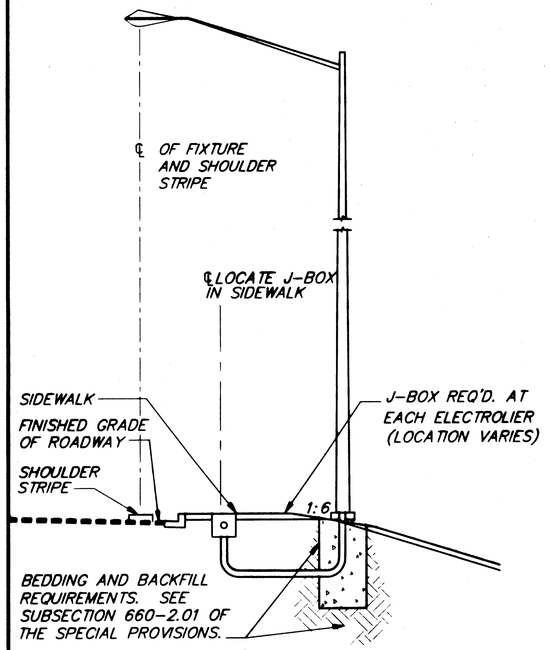
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

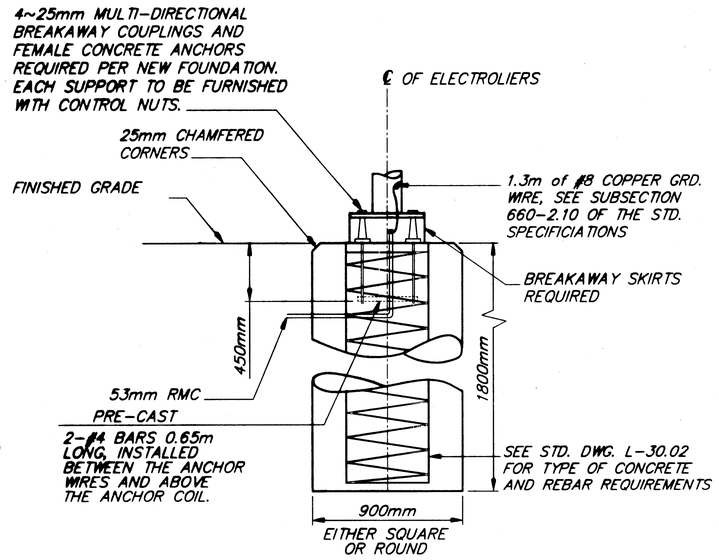
EGAN DRIVE/GLACIER HWY. WIRING DIAGRAM

DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET T12

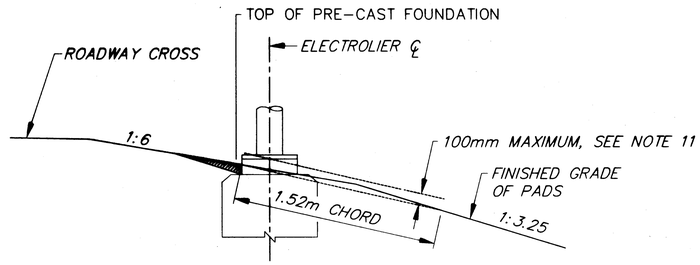
STATE OF ALASKA — Mike Lukshin — 12 8737 — REGISTERED PROFESSIONAL ENGINEER



TYPICAL SECTION FOR ELECTROLIER

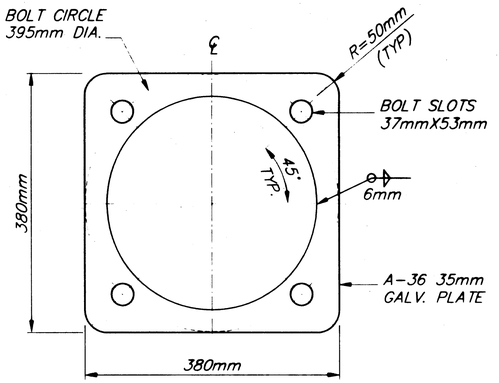


FOUNDATION WITH BREAKAWAY COUPLINGS



FOUNDATION INSTALLATION DETAIL

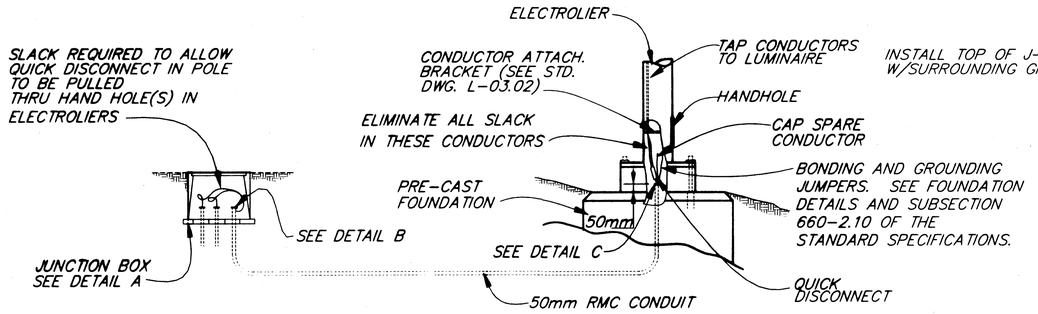
INDICATES EMBANKMENT MATERIAL TO BE REMOVED FROM AROUND BREAKAWAY SKIRTS



ANCHOR BASE DETAIL

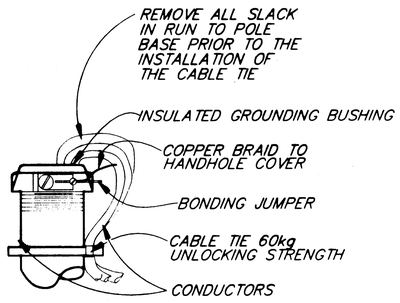
ILLUMINATION GENERAL NOTES

1. ALL WIRING SHALL BE ENCASED IN 50mm DIA. RIGID METAL CONDUIT.
2. EACH ELECTROLIER SHALL HAVE A J-BOX INSTALLED ADJACENT TO THE FOUNDATION AS SHOWN IN THE POLE AND J-BOX WIRING DETAIL.
3. ALL JUNCTION BOXES SHALL BE TYPE I-A, EXCEPT AT LOAD CENTERS, SEE STANDARD DRAWING L-23.01.
4. A BARE STRANDED GROUND CONDUCTOR SHALL BE INSTALLED THROUGH ALL CONDUITS. THE GROUND CONDUCTOR SHALL BE ATTACHED TO ALL CONDUIT END BUSHINGS AND POLES.
5. NEW ELECTROLIER FOUNDATIONS MAY BE PRE-CAST. PRE-CAST FOUNDATIONS SHALL BE TRANSPORTED USING A DEVICE THAT SPREADS THE LOAD EVENLY BETWEEN THE ANCHOR BOLTS.
6. INSTALL THE PHOTOELECTRIC CELL ON TOP OF THE NEAREST ELECTROLIER POLE.
7. ILLUMINATION CIRCUIT WIRES SHALL BE NO. 8 AWG. 3-CONDUCTOR CABLE AS SPECIFIED IN STANDARD SPECIFICATION 660-2.08.
8. LUMINAIRES SHALL BE 240 VOLT, 250 WATT, HIGH PRESSURE SODIUM, MEDIUM DISTRIBUTION, CUT-OFF, IES TYPE III AND SHALL BE HAVE MAGNETIC REGULATOR BALLASTS, AND HPS LAMPS WITH A 24,000 HOUR RATED LIFE.
9. INSTALL 1 SPARE 50mm RIGID METAL CONDUIT FROM THE LOAD CENTER TO THE FIRST JUNCTION BOX.
10. NON-BREAKAWAY PORTIONS OF FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 100 mm ABOVE ANY 1.5 m CHORD STARTING AND ENDING ON THE FINISHED GRADE OF THE ELECTROLIER PADS.
11. LUMINAIRE MASTARMS SHALL BE 4.6m LONG UNLESS NOTED ELSEWHERE.
12. NEW LUMINAIRES SHALL HAVE A 10.7m MOUNTING HEIGHT, EXCEPT POLES L-A1, L-A2, & L-A7.



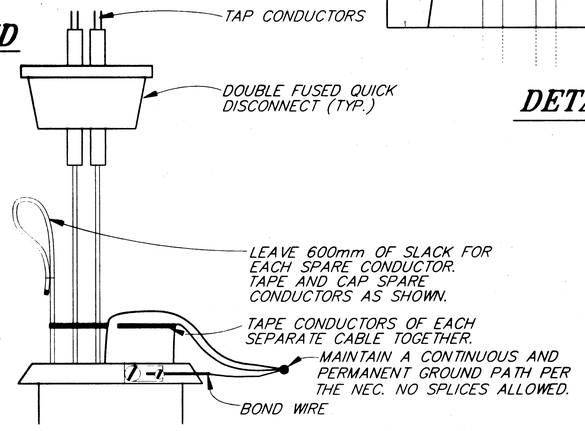
LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS

(BREAKAWAY COUPLINGS)



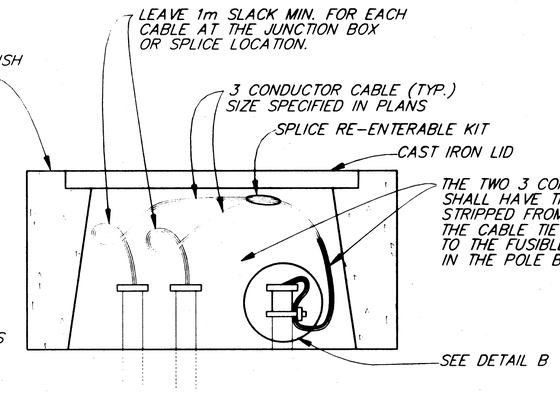
DETAIL B

(IN J-BOX)



DETAIL C

(IN POLE BASE)



DETAIL A

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Signalpole.dwg Mon, 19/Mar/01 01:15PM		
PLOT:		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

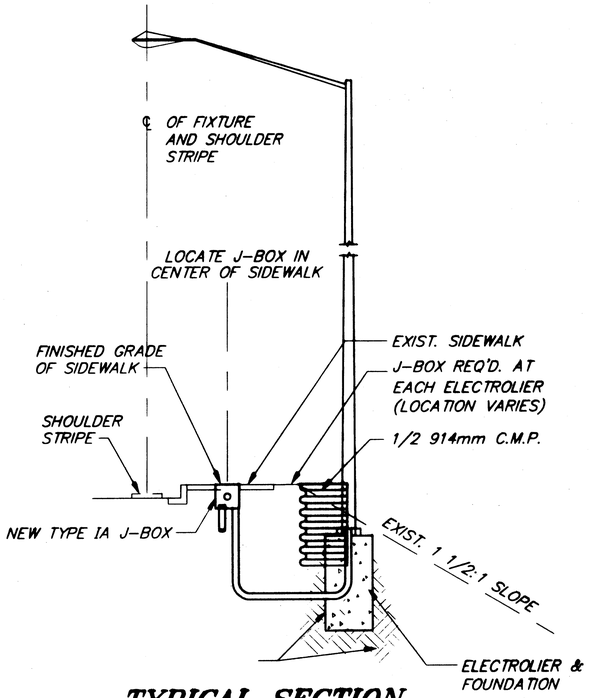
JUNEAU ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

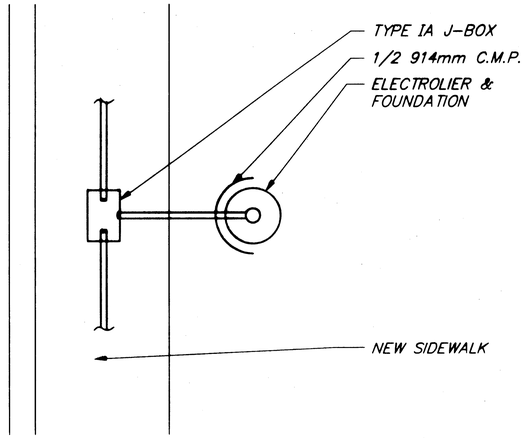
ILLUMINATION DETAILS

DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: D. STEVENS	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET T13

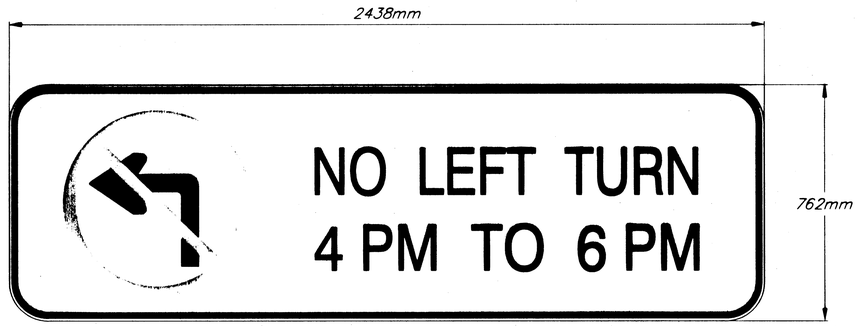
STATE OF ALASKA 1900 Michael Lukshin CE 8737 REGISTERED PROFESSIONAL ENGINEER



TYPICAL SECTION FOR ELECTROLIERS L-D2 THRU L-D8



PLAN VIEW FOR ELECTROLIER



SPECIAL SIGN

LEGEND: BLACK ON WHITE
LETTERING: 150mm, SERIES C
DESIGN: ALASKA SIGN DESIGN SPECIFICATIONS

NOTES:
1. SEE SIGN R3-2 "SPECIAL" SIZE FOR SYMBOL & BORDER DETAILS.
2. POLE & SIGN INCIDENTAL TO JORDAN SIGNAL ITEM.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Sigpoledet.dwg Mon, 19/Mar/01 01:18PM		
PLOT: PSPACE: 1=1(F) TAB: LIT-SIGNDET		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

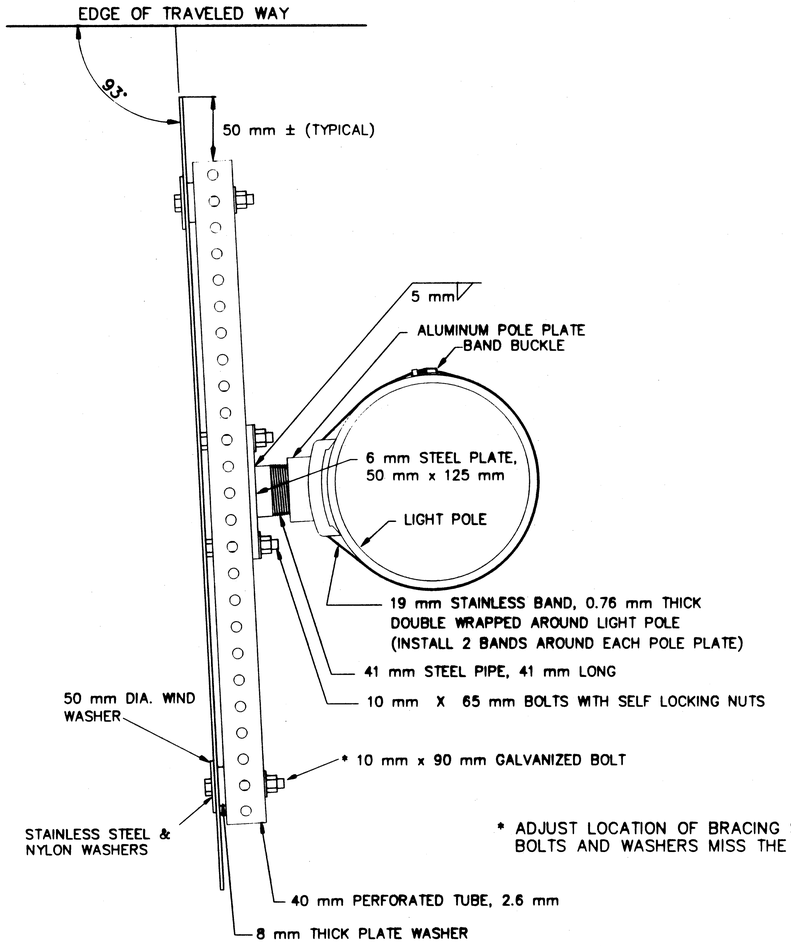
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755

LIGHTING & SIGNING DETAILS

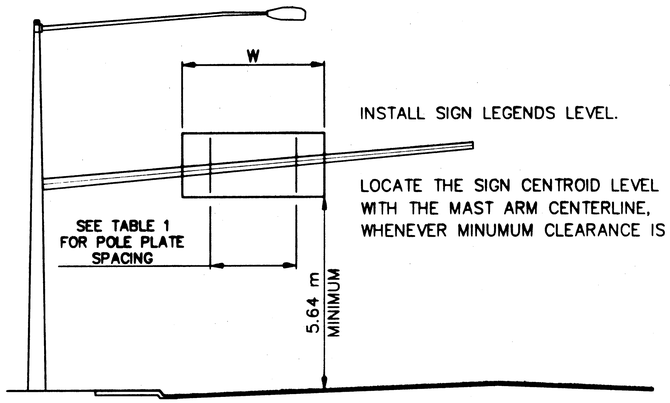
DESIGNED BY: K. MATTSON	PROJECT NO. 69755
DRAWN BY: B. BENNETT	DATE: 2001
CHECKED BY: R. PURVES	SHEET T14

STATE OF ALASKA 1910 Michael Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER



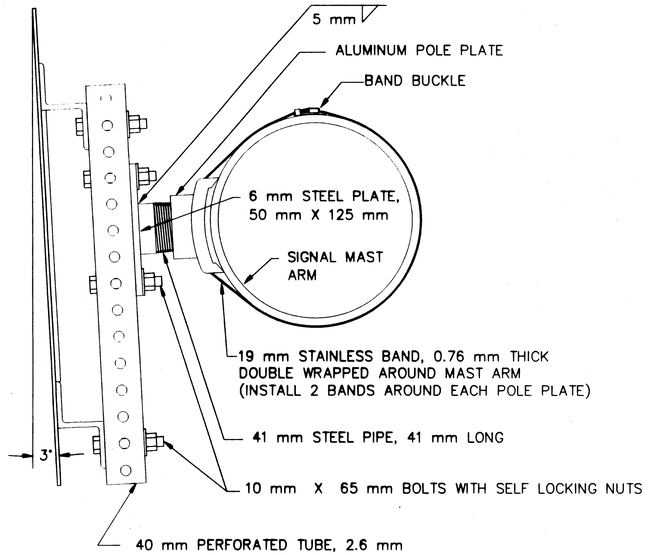
* ADJUST LOCATION OF BRACING SO THAT BOLTS AND WASHERS MISS THE LEGEND.

ELECTROLIER SIGN MOUNTING
(PLAN VIEW)



INSTALL SIGN LEGENDS LEVEL.

LOCATE THE SIGN CENTROID LEVEL WITH THE MAST ARM CENTERLINE, WHENEVER MINUMUM CLEARANCE IS MET.

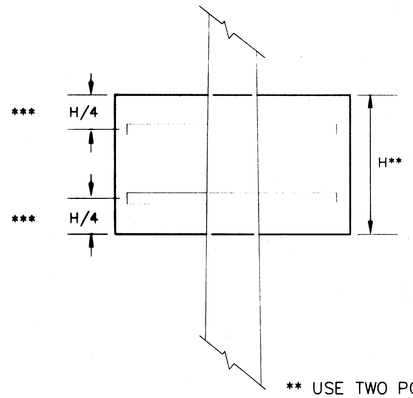


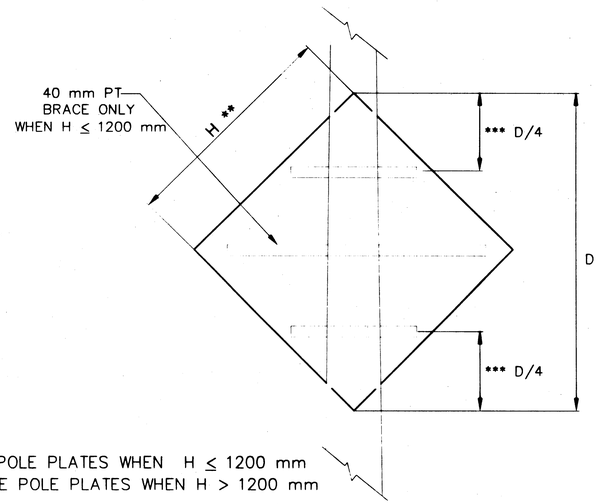
SIGNAL POLE MAST ARM SIGN MOUNTING
(ELEVATION VIEW)

NOTES:

1. USE POLE PLATES TO INSTALL SIGNS ON TAPERED MAST ARMS AND LIGHT POLES. INSTALL ONE POLE PLATE FOR EACH SQUARE METER OF SIGN PANEL. USE AT LEAST TWO PLATES FOR EACH INSTALLATION. A SIGN WITH AN AREA OF 2.43 SQUARE METERS WOULD BE SUPPORTED BY 3 POLE PLATES.
2. FABRICATE EACH POLE PLATE TO PERFORATED TUBE ADAPTER USING STEEL PLATE CONFORMING TO ASTM A36 AND STEEL PIPE CONFORMING TO ASTM A53. PAINT THESE ADAPTERS IN CONFORMANCE WITH SECTION 504 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, LATEST EDITION.
3. PAINT THE ALUMINUM POLE PLATES IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATION M69.
4. ATTACH ALL POLE PLATES WITH TWO BANDS OF 19 mm WIDE BY 0.76 mm THICK STAINLESS STEEL BANDING MATERIAL. DOUBLE WRAP EACH BAND AND TIGHTEN IT UNTIL THE BAND STOPS MOVING THROUGH THE BUCKLE.
5. INSTALL BOLTS, NUTS, AND WASHERS CONFORMING TO TO ASTM A325.

TABLE 1			
POLE PLATE SPACING			
NO. OF POLE PLATES	OVERHANG	BETWEEN POLE PLATES	OVERHANG
2	0.2W	1 SPACE AT 0.6W	0.2W
3	0.15W	2 SPACES AT 0.35W	0.15W
4	0.125W	3 SPACES AT 0.25W	0.125W
5	0.2W	1 SPACE AT 0.6W	0.2W





** USE TWO POLE PLATES WHEN H ≤ 1200 mm
USE THREE POLE PLATES WHEN H > 1200 mm

*** WHEN SIGN PANELS FEATURES PREDRILLED MOUNTINGS HOLES, USE THEM TO ATTACH THE PERFORATED TUBES.

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Sigpoledet.dwg Mon, 19/Mar/01 01:17PM		
PLOT: PSPACE 1=1(F) TAB: POLE-PLATE		
BY:	DATE:	DESCRIPTION OF CHANGE:
RECORD OF REVISIONS		

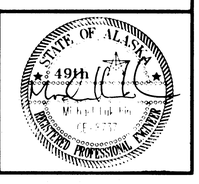
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

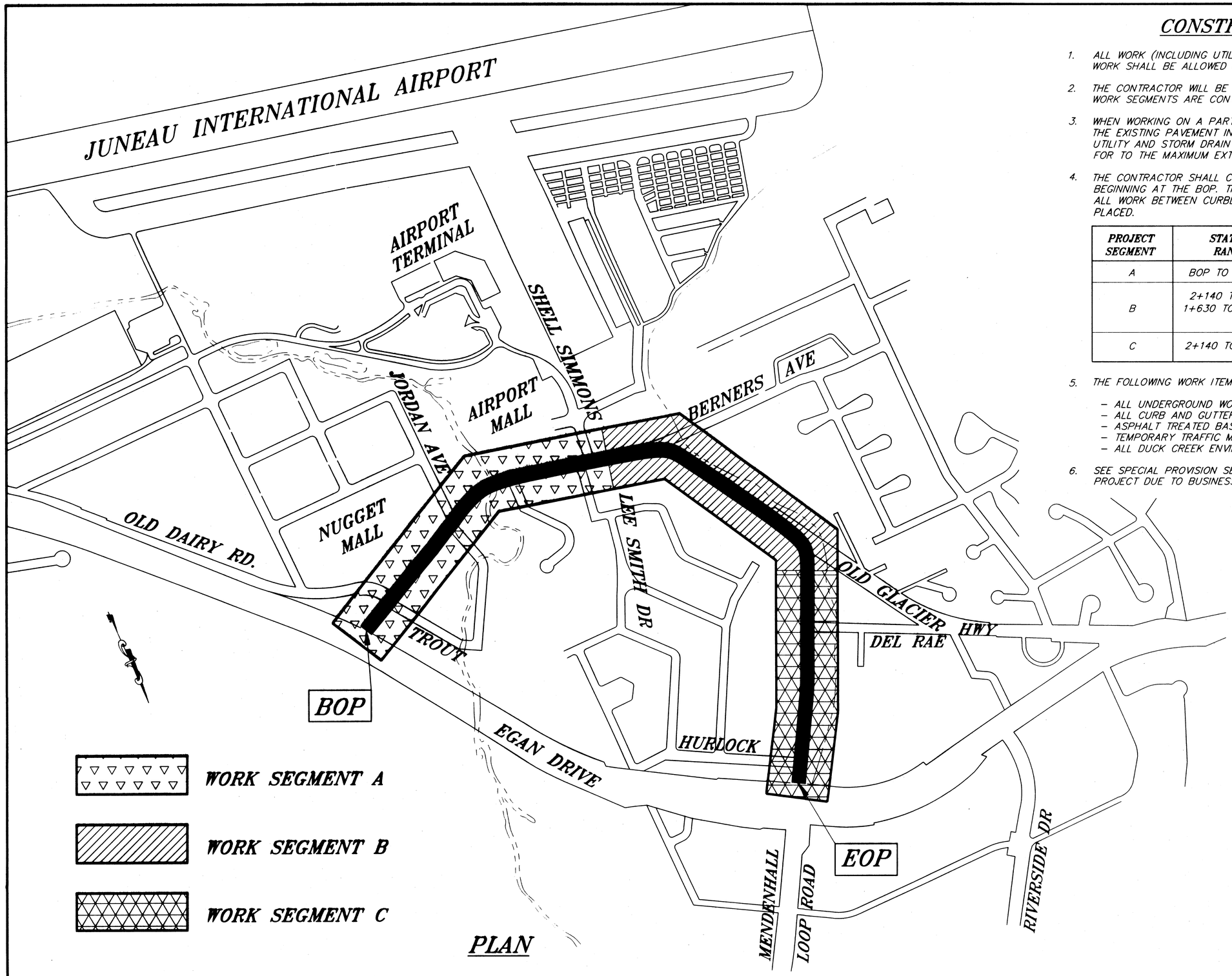
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90) ~ PROJECT NO. 69755

POLE PLATE MOUNTED SIGN INSTALLATION DETAILS

DESIGNED BY: *K. MATTSON*	PROJECT NO. *69755*
DRAWN BY: *D. STEVENS*	DATE: *2001*
CHECKED BY: *M. LUKSHIN*	SHEET *T15*





PLAN

CONSTRUCTION SEQUENCING NOTES

1. ALL WORK (INCLUDING UTILITIES) ON TROUT STREET SHALL BE COMPLETED WITHIN 10 DAYS AND NO WORK SHALL BE ALLOWED DURING THE PERIOD JUNE 6 TO AUGUST 31.
2. THE CONTRACTOR WILL BE REQUIRED TO WORK ON THE PROJECT IN A SPECIFIC FASHION. THESE WORK SEGMENTS ARE CONTAINED IN THE TABLE GIVEN BELOW, AND SHOWN ON THIS PLAN.
3. WHEN WORKING ON A PARTICULAR WORK SEGMENT, THE CONTRACTOR SHALL LEAVE AS MUCH OF THE EXISTING PAVEMENT IN PLACE A POSSIBLE, UNTIL READY TO PLACE THE ATB. TRENCHING FOR UTILITY AND STORM DRAIN WORK WILL BE PATCHED TO PROVIDE A CONTINUOUS PAVED SURFACE FOR TO THE MAXIMUM EXTENT POSSIBLE.
4. THE CONTRACTOR SHALL COMPLETE THE WORK ON THE MAINLINE ROADWAY IN A LINEAR FASHION BEGINNING AT THE BOP. THE CONTRACTOR SHALL NOT MOVE TO THE NEXT WORK SEGMENT UNTIL ALL WORK BETWEEN CURBLINES HAS BEEN COMPLETED AND A SINGLE LIFT OF ATB HAS BEEN PLACED.

PROJECT SEGMENT	STATION RANGE	COMMENTS
A	BOP TO 1+630	
B	2+140 TO EOP 1+630 TO 2+140	BERNERS AVE. CULVERT, PROFESSIONAL PLAZA CULVERT, AND OLD GLACIER HWY NORTH STORM WATER TREATMENT BASIN AND CULVERT REMOVAL, ARE NOT CONSIDERED PART OF SEGMENT B WORK.
C	2+140 TO E.O.P.	DUCK CREEK CHANNEL RELOCATION AND VEGETATED SWALE ARE NOT CONSIDERED PART OF SEGMENT C WORK.

5. THE FOLLOWING WORK ITEMS SHALL BE COMPLETED ON ALL SEGMENTS BY OCT. 1, 2001.
   - ALL UNDERGROUND WORK LOCATED WITH THE PAVING LIMITS AND UNDER THE SIDEWALKS.
   - ALL CURB AND GUTTER AND MEDIAN WORK.
   - ASPHALT TREATED BASE
   - TEMPORARY TRAFFIC MARKINGS
   - ALL DUCK CREEK ENVIRONMENTAL WORK.
6. SEE SPECIAL PROVISION SECTIONS 107 AND 643 FOR SPECIAL WORK REQUIRED WITHIN THE PROJECT DUE TO BUSINESS SCHEDULING AND ACCESS.

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

RECORD OF REVISIONS		
BY:	DATE:	DESCRIPTION OF CHANGE:

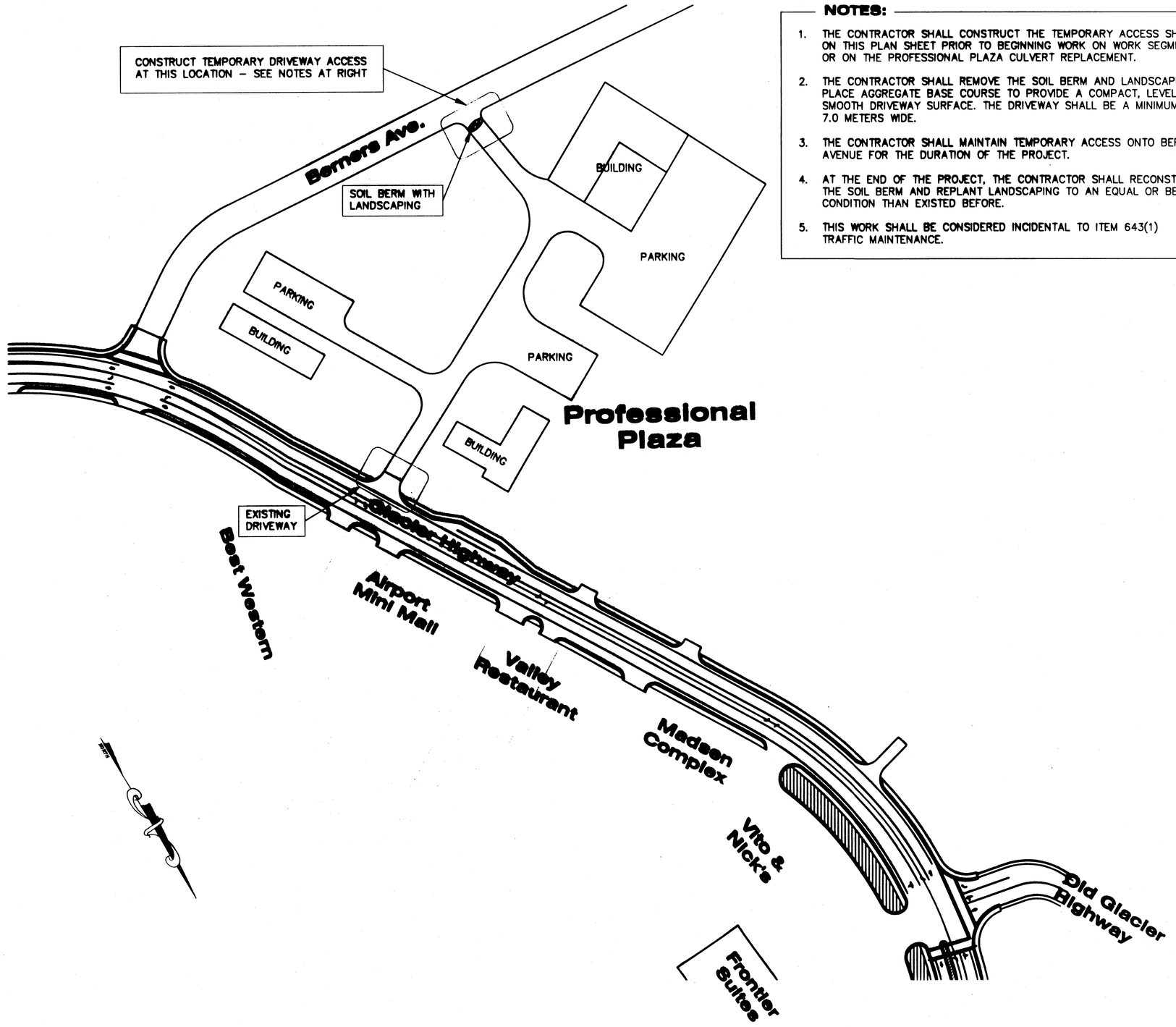
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU–GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-000S(90) ~ PROJECT NO. 69755
CONSTRUCTION SEQUENCING PLAN

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: R. SNYDER	DATE: 2001
CHECKED BY: T. MOORE	SHEET T16

3/12/01 STATE OF ALASKA 49th Lars K. Gregovich CE-8065 REGISTERED PROFESSIONAL ENGINEER



NOTES:

1. THE CONTRACTOR SHALL CONSTRUCT THE TEMPORARY ACCESS SHOWN ON THIS PLAN SHEET PRIOR TO BEGINNING WORK ON WORK SEGMENT "C" OR ON THE PROFESSIONAL PLAZA CULVERT REPLACEMENT.
2. THE CONTRACTOR SHALL REMOVE THE SOIL BERM AND LANDSCAPING AND PLACE AGGREGATE BASE COURSE TO PROVIDE A COMPACT, LEVEL AND SMOOTH DRIVEWAY SURFACE. THE DRIVEWAY SHALL BE A MINIMUM OF 7.0 METERS WIDE.
3. THE CONTRACTOR SHALL MAINTAIN TEMPORARY ACCESS ONTO BERNERS AVENUE FOR THE DURATION OF THE PROJECT.
4. AT THE END OF THE PROJECT, THE CONTRACTOR SHALL RECONSTRUCT THE SOIL BERM AND REPLANT LANDSCAPING TO AN EQUAL OR BETTER CONDITION THAN EXISTED BEFORE.
5. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 643(1) TRAFFIC MAINTENANCE.

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

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PLOT: PSPACE 1=1 OR MSPACE 1=250(F)		Mon, 19/Mar/01 01:41PM
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU–GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755

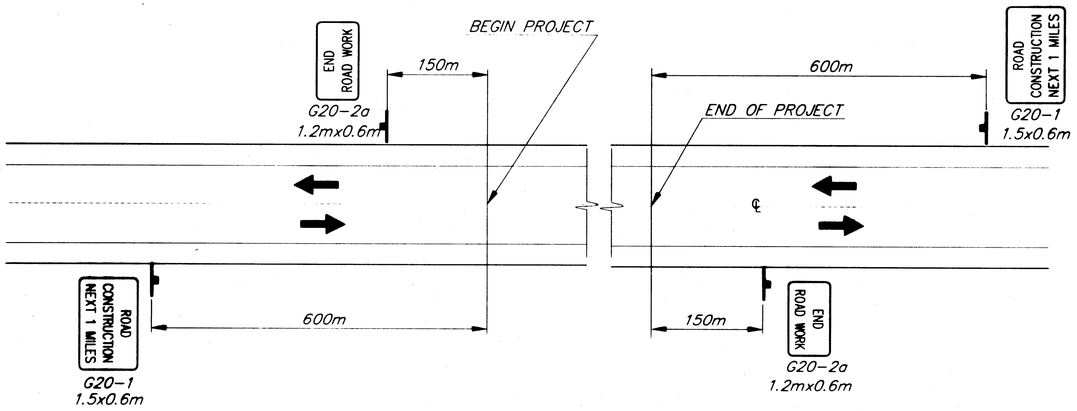
SPECIAL TRAFFIC CONTROL PLAN

DESIGNED BY: L. GREGOVICH	PROJECT NO. 69755
DRAWN BY: B. BENNETT	DATE: 2001
CHECKED BY: T. MOORE	SHEET T17

3.12.01
STATE OF ALASKA
19th
LICENSED PROFESSIONAL ENGINEER

TRAFFIC CONTROL NOTES

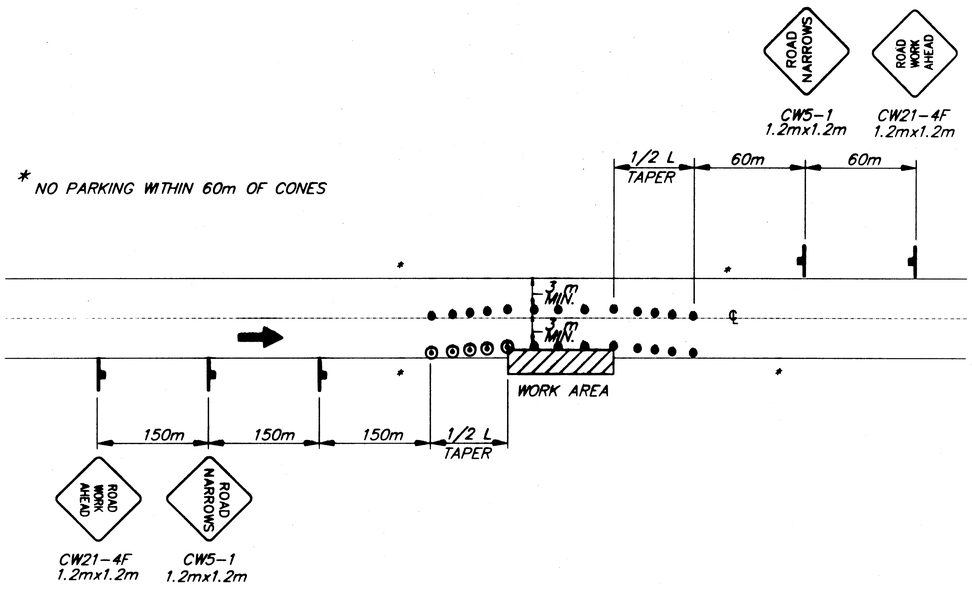
1. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
2. TWO WAY TRAFFIC WILL BE MAINTAINED AT ALL TIMES. WHEN LANES ARE CLOSED AT THE MCNUGGET & LOOP INTERSECTIONS. THE ADOT/PF TRAFFIC SECTION WILL BE NOTIFIED SO THEY CAN MAKE THE APPROPRIATE SIGNAL TIMING CHANGES. TWO DAYS PRIOR NOTICE IS REQUIRED.
3. TRAFFIC LANES SHALL BE A MINIMUM OF 3 METERS WIDE.
4. TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.09 OF THE SPECIFICATIONS.
5. ACCESS TO BUSINESSES AND HOMES WILL BE OPENED AS SOON AS POSSIBLE.
6. THE CONTRACTOR WILL ATTEMPT TO RESTORE ACCESS TO BUSINESSES AS SOON AS POSSIBLE AND NO LATER THAN THE END OF THAT DAYS WORK SHIFT.
7. THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
8. IF TRAFFIC DELAYS BECOME LONGER THAN 3 MINUTES AVERAGE PER VEHICLE, THE PROJECT ENGINEER MAY REQUIRE NIGHTTIME OPERATIONS.
9. TWO LANE TRAFFIC WILL BE PROVIDED FROM 12-1 PM & 4-6 PM ON WEEKDAYS. TWO LANES OF TRAFFIC WILL BE PROVIDED FROM 12-6 PM SATURDAY AND SUNDAY. ADDITIONALLY, ON WEEKDAYS, TWO LANES OF SOUTHBOUND TRAFFIC AVAILABLE ON EGAN DRIVE FROM 7-9 AM AND TWO LANES OF NORTHBOUND TRAFFIC AVAILABLE ON EGAN DRIVE FROM 4-6 PM.
10. SEE SECTION 643-3.06 FOR TRAFFIC PRICE ADJUSTMENTS.
11. WHEREVER A BUSINESS OR A GROUP OF BUSINESSES HAVE MULTIPLE APPROACHES, ONE APPROACH WILL BE LEFT OPEN UNTIL WORK IS COMPLETED.
12. WHEREVER ONE WAY ENTRANCES ARE GOING TO BE CHANGED TO TWO DIRECTION APPROACHES, FLAGGERS WILL BE REQUIRED.
13. ACCESS TO HOMES AND BUSINESSES WILL BE KEPT OPEN AT ALL TIMES. WORK ON ACCESS TO ANY HOME OR BUSINESS THAT HAS ONLY ONE ACCESS, WILL BE DONE WITH HALF WIDTH CONSTRUCTION, AND BE CONTROLLED BY A FLAGGER.



PERMANENT CONSTRUCTION SIGNING

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

WHERE

L = LENGTH OF TAPER
W = WIDTH OF OFFSET
T = TAPER RATE

L = W x T

TCP TABLE SETUP

SPEED (KILOMETERS PER HOUR)	SPEED (MILES PER HOUR)	BUFFER/ LENGTH (m)	CONE/DRUM SPACING (m)	TAPER FACTOR (T)
25	16	9	5	4:1
30	19	11	6	6:1
35	22	14	7	8:1
40	25	17	8	10:1
45	28	21	9	13:1
50	31	26	10	16:1
55	34	35	11	19:1
60	37	43	12	23:1
65	40	52	13	27:1
70	43	62	14	32:1
75	47	75	15	47:1
80	50	85	16	50:1
85	53	98	17	53:1
90	56	110	18	56:1

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Tcps.dwg Mon, 19/Mar/01 01:42PM
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BY:	DATE:	DESCRIPTION OF CHANGE:

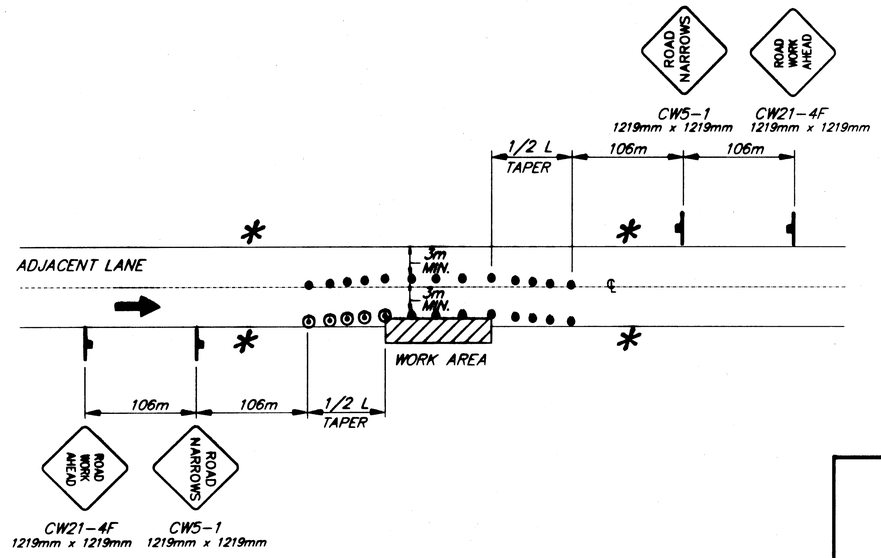
RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU JNU-EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD ALASKA
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755
TRAFFIC CONTROL PLAN

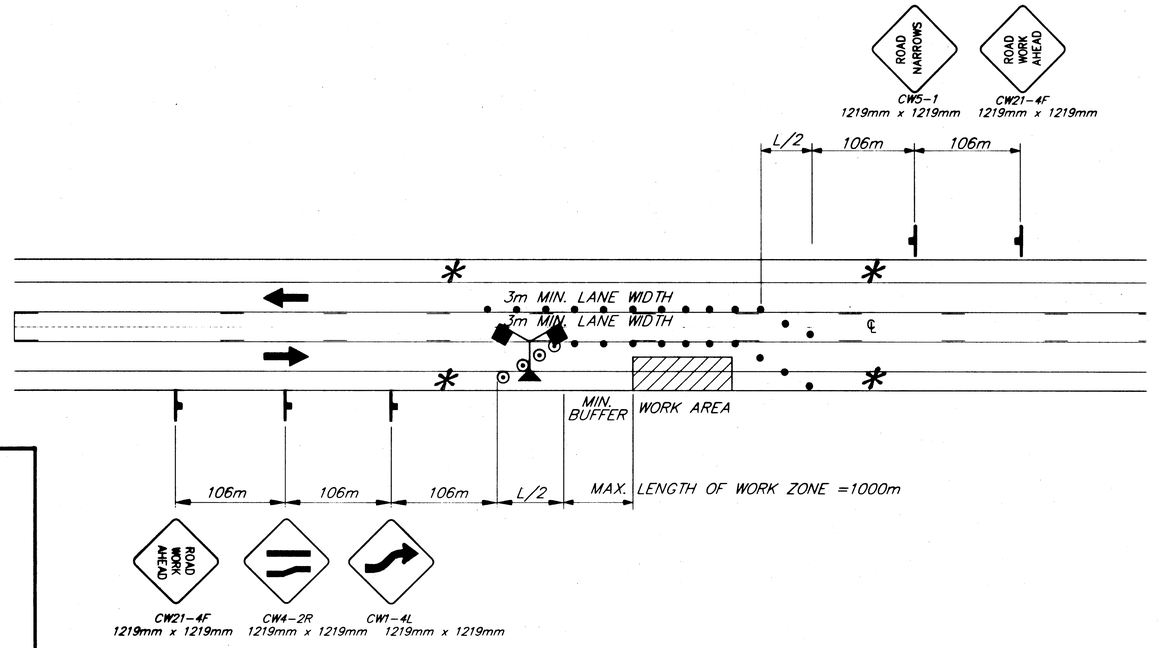
DESIGNED BY: K. LUKSHIN	PROJECT NO. 69755
DRAWN BY: K. KLEMMETSDON	DATE: 2001
CHECKED BY: R. PURVES	SHEET T18

STATE OF ALASKA 1904 Michael Lukshin CE-8737 REGISTERED PROFESSIONAL ENGINEER



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 3m TO CENTERLINE) THE SIGNS AND CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

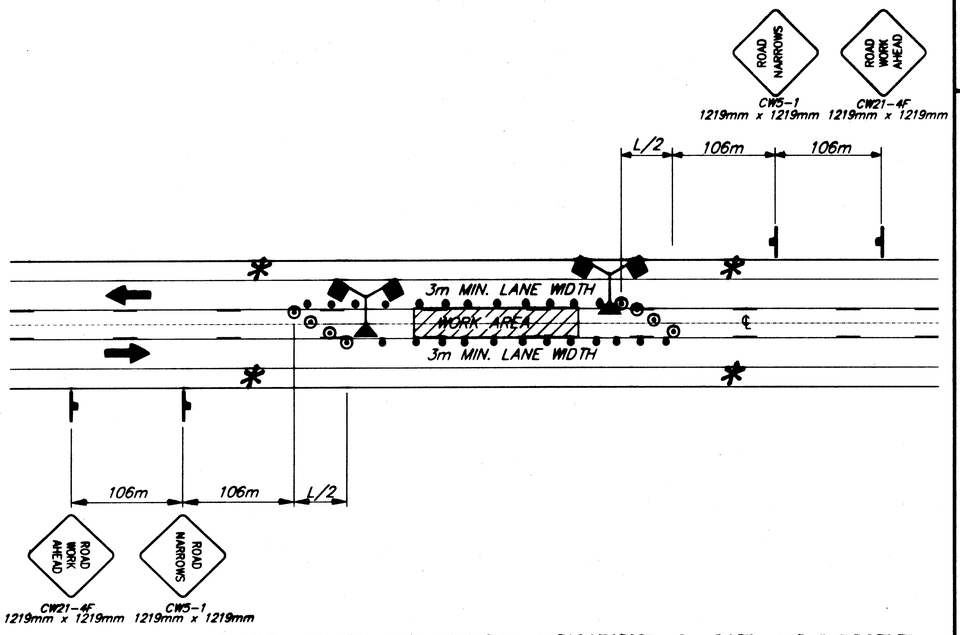


TWO-WAY TRAFFIC USING CENTER LANE

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE

* NO PARKING WITHIN 60m OF CONES



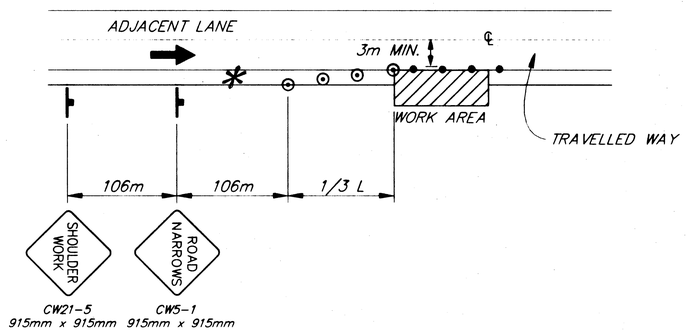
TWO-WAY TRAFFIC CENTER LANE CLOSURE

$L = W \times T$

WHERE:
L= LENGTH OF TAPER
W= WIDTH OF OFFSET
T= TAPER FACTOR

TCP TABLE SETUP

SPEED (KILOMETERS PER HOUR)	SPEED (MILES PER HOUR)	BUFFER/ LENGTH (m)	CONE/DRUM SPACING (m)	TAPER FACTOR (T)
25	16	9	5	4:1
30	19	11	6	6:1
35	22	14	7	8:1
40	25	17	8	10:1
45	28	21	9	13:1
50	31	26	10	16:1
55	34	35	11	19:1
60	37	43	12	23:1
65	40	52	13	27:1
70	43	62	14	32:1
75	47	75	15	47:1
80	50	85	16	50:1
85	53	98	17	53:1
90	56	110	18	56:1



SHOULDER WORK

NOTE: DO NOT SCALE FROM THESE PLANS-USE DIMENSIONS

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PLOT: PSPACE: 1=1(F) TAB: TCP2

BY:	DATE:	DESCRIPTION OF CHANGE:

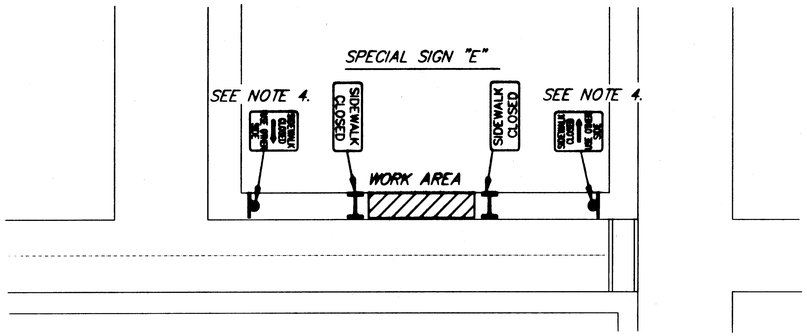
RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU JNU-EGAN EXPRESSWAY TO MENDENHALL LOOP ROAD ALASKA
FED. NO. F-M-0005(90) ~ PROJECT NO. 69755
TRAFFIC CONTROL PLAN

DESIGNED BY: K. LUKSHIN	PROJECT NO. 69755
DRAWN BY: K. KLEMMETSDON	DATE: 2001
CHECKED BY: R. PURVES	SHEET T19

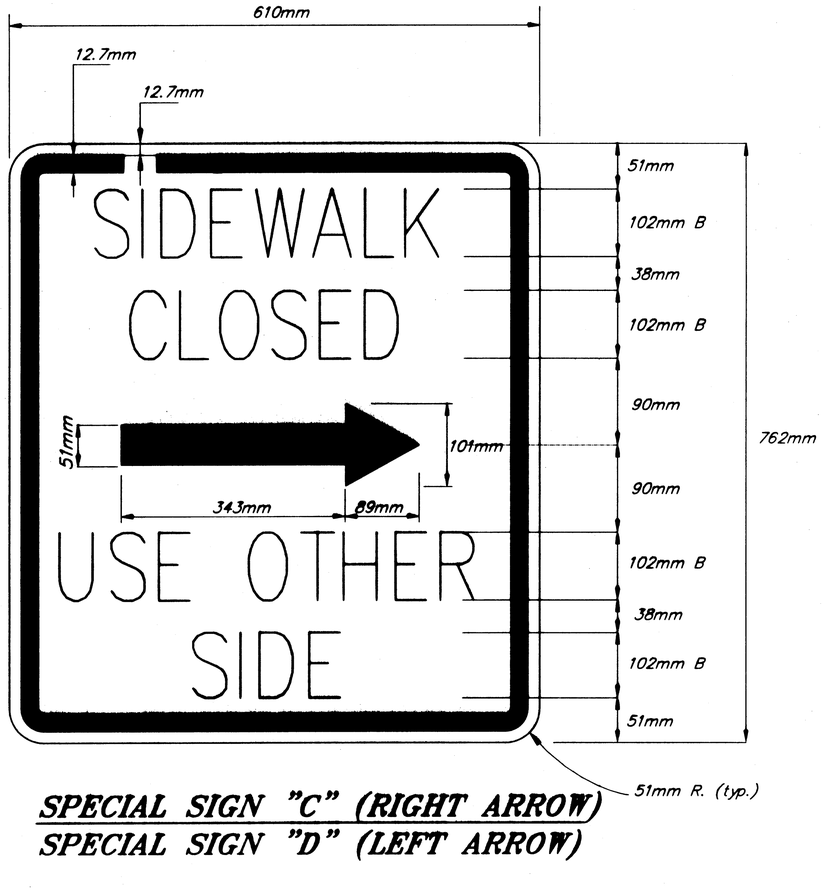
STATE OF ALASKA 1961 Michael Lukshin CE-8757 REGISTERED PROFESSIONAL ENGINEER



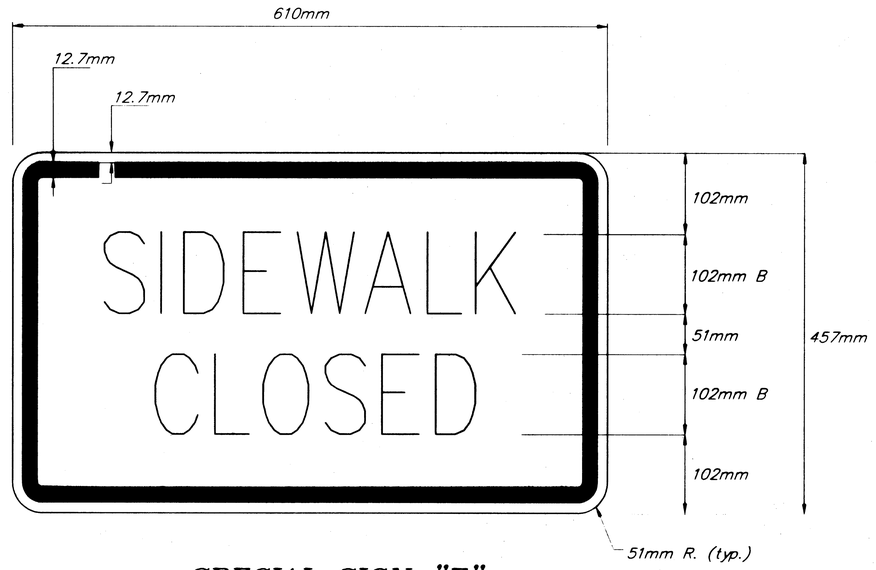
EXISTING SIDEWALK RECONSTRUCTION

SIGN NOTES:

1. SIGNS SHALL HAVE WHITE BACKGROUND WITH BLACK LEGEND. LETTERING SHALL BE AS SHOWN ON THE PLAN.
2. SPECIAL SIGN "C" IS SHOWN. SPECIAL SIGN "D" SHALL HAVE THE ARROW POINTING IN THE OPPOSITE DIRECTION.
3. SIGNS SHALL CONFORM TO THE ALASKA SIGN DESIGN SPECIFICATIONS (ASDS). LETTERING SHALL BE 102 mm HIGH AND SERIES B.
4. WHERE IT IS IMPRACTICAL TO WALK AROUND THE CLOSED PORTION OF THE SIDEWALK, SPECIAL SIGNS "C" OR "D" SHALL BE SET UP AT THE NEAREST EXISTING CROSSWALK.



SPECIAL SIGN "C" (RIGHT ARROW)
SPECIAL SIGN "D" (LEFT ARROW)



SPECIAL SIGN "E"

NOTE: DO NOT SCALE FROM THESE PLANS–USE DIMENSIONS

PATH: Q:\Jnu\69755\Planset\Tcps.dwg Mon, 19/Mar/01 01:43PM	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES SOUTHEAST REGION	JUNEAU JNU–EGAN EXPESSWAY TO MENDENHALL LOOP ROAD ALASKA FED. NO. STP–F–M–0005(90) ~ PROJECT NO. 69755 TRAFFIC CONTROL PLAN
PLOT: PSPACE: 1=1(F) TAB: PERMSIGN		
BY: / DATE: / DESCRIPTION OF CHANGE:		
RECORD OF REVISIONS		

DESIGNED BY: M. LUKSHIN	PROJECT NO. 69755
DRAWN BY: K. KLEMMETSON	DATE: 2001
CHECKED BY: M. LUKSHIN	SHEET T20

STATE OF ALASKA — 19th — Michael Lukshin — 12 8837 — REGISTERED PROFESSIONAL ENGINEER

1–4"CONDUIT

KOOTZNOOWOO PLAZA

PERMIT

GRAVEL PARKING

ESMT 4a

R/W

1–2"CONDUIT (CABLE TV)

1–6" CONDUIT

1–4" CONDUIT

TRAFFIC

TRAF MH

N36°04'02"E 21.267m

1+000

POWER CABINET IN CONTRACT AS PART OF LIGHTING SYSTEM

1–2" CONDUIT

CROSS SIG

DRIVE THRU

MCDONALD'S

ASPHALT PAVEMENT

EXISTING TO REMAIN	—(E)—	E
RETIRE	—XE—	⊗
ELECTRIC PARTICIPATING	—PE—	P
ELECTRIC NON-REIMBURSABLE	—NE—	N
CABLE TV	—C—	C
TELEPHONE	—T—	T

NOTE:
ALL WORK SHOWN ON THE UTILITY RELOCATION PLANS ARE NOT IN THE CONTRACT, UNLESS NOTED OTHERWISE. THIS IS BEING PROVIDED FOR COORDINATION AND INFORMATIONAL PURPOSES.

PATH: Q:\Jnu\69755\Planset\Utility-plan.dwg Thu, 22/Mar/01 01:41PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P1, PR1, T1		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

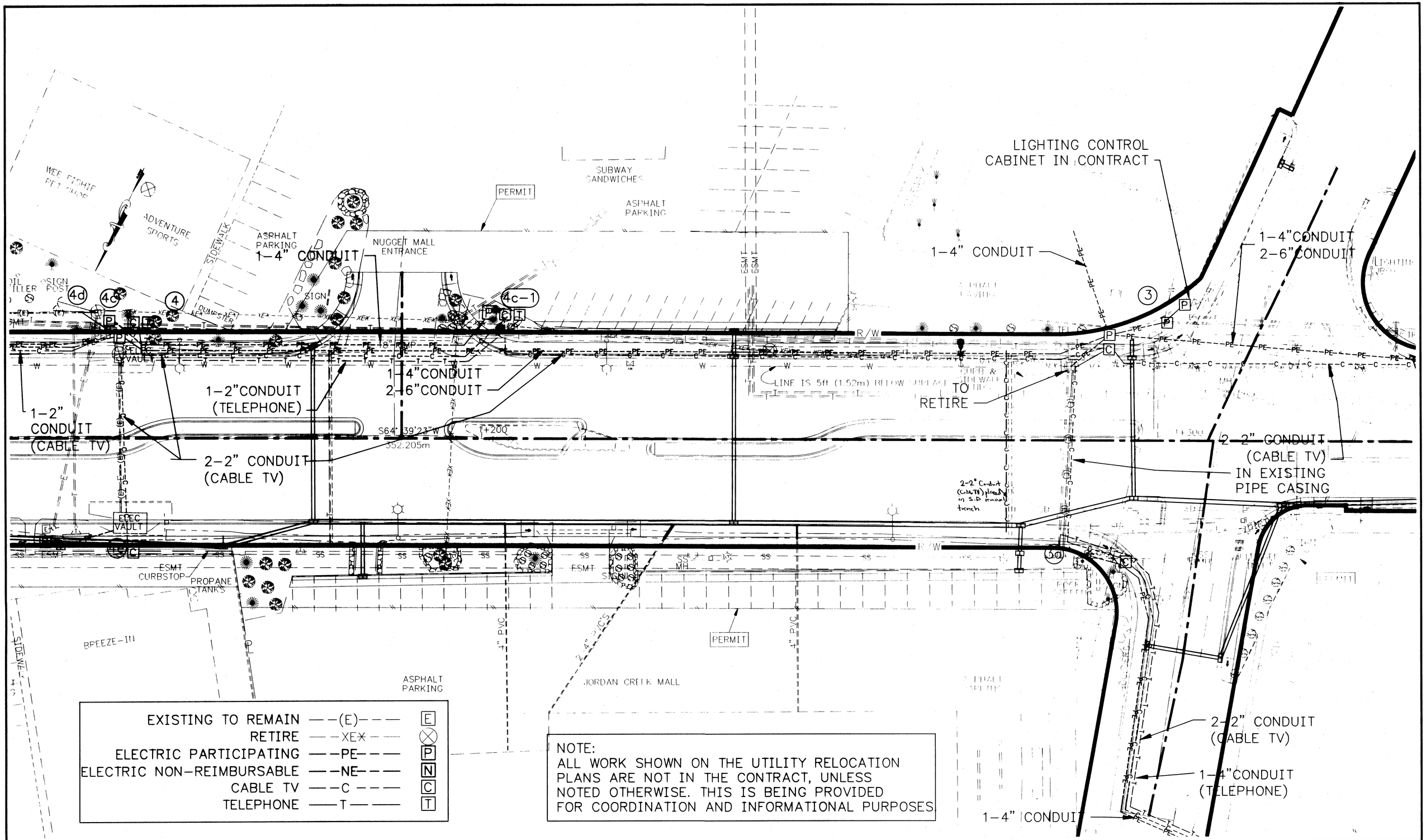
JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

B.O.P. "0" STA. 1+000 TO "0" STA. 1+140

UTILITY RELOCATION PLANS

DESIGNED BY: UTILITY COMPANYS	PROJECT NO. 69755
DRAWN BY: L. ROBERTSON	DATE: 2001
CHECKED BY: T. MOORE	SHEET U1



EXISTING TO REMAIN	—(E)— [E]
RETIRE	—XEX— [⊗]
ELECTRIC PARTICIPATING	—PE— [P]
ELECTRIC NON-REIMBURSABLE	—NE— [N]
CABLE TV	—C— [C]
TELEPHONE	—T— [T]

NOTE:
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PATH: Q:\Jnu\69755\Planset\Utility-plan.dwg Thu, 22/Mar/01 01:42PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P2, PR2, T2		
BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

"0" STA. 1+140 TO "0" STA. 1+330

UTILITY RELOCATION PLANS

DESIGNED BY: UTILITY COMPANYS	PROJECT NO. 69755
DRAWN BY: L. ROBERTSON	DATE: 2001
CHECKED BY: T. MOORE	SHEET U2

TELEPHONE
1–4" CONDUIT RUNS BACK TO SECOND REMAINING POLE & CONNECTS TO EXISTING CONDUIT AT THIS END

4–6"CONDUIT
2–4"CONDUIT

4–6"CONDUIT

1–4"CONDUIT RUNS BACK TWO SPANS (TELEPHONE)

1–2"CONDUIT

4–2"CONDUIT (CABLE TV)
ONE IS FOR A POWER SOURCE

1–2" CONDUIT (CABLE TV)

USE EXISTING CONDUITS

2–2" CONDUIT (CABLE TV)

2–2" CONDUIT (CABLE TV)

1–2"CONDUIT (CABLE TV)

1–2" CONDUIT

USE EXISTING CONDUIT

2–6"CONDUIT
2–4"CONDUIT

2–2" CONDUIT (CABLE TV)

1–2" CONDUIT

"O" CURVE DATA
Δ=38°05'20"
R=175.000
L=116.336
T=
e=0.020
BCT 1+330.205
BTS=1+363.205
ETS=1+457.540
ECT=1+490.540

1–2" CONDUIT TO HOUSE

1–2" CONDUIT TO HOUSE (CABLE TV)

1–2" CONDUIT TO THE HOUSE (TELEPHONE)

EXISTING TO REMAIN	—(E)— E
RETIRE	R
ELECTRIC PARTICIPATING	—PE— P
ELECTRIC NON–REIMBURSABLE	—NE— N
CABLE TV	—C— C
TELEPHONE	—T— T

NOTE:
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PATH: Q:\Jnu\69755\Planset\Utility–plan.dwg Thu, 22/Mar/01 01:42PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P3, PR3, T3

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU–GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP–F–M–000S(90)~ PROJECT NO. 69755
"0" STA. 1+330 TO "0" STA. 1+520
UTILITY RELOCATION PLANS

DESIGNED BY: UTILITY COMPANYS	PROJECT NO. 69755
DRAWN BY: L. ROBERTSON	DATE: 2001
CHECKED BY: T. MOORE	SHEET U3

EXISTING TO REMAIN —(E)— [E]
RETIRE
ELECTRIC PARTICIPATING —PE— [P]
ELECTRIC NON-REIMBURSABLE —NE— [N]
CABLE TV —C— [C]
TELEPHONE —T— [T]

LIGHTING CONTROL CABINET IN CONTRACT

1-2"CONDUIT
2-2"CONDUITS (CABLE TV)
3-6"CONDUIT
2-6"CONDUIT
2-4"CONDUIT
2-4"CONDUIT
2-6"CONDUIT
2-2"CONDUITS (CABLE TV)
3-6" CONDUIT
1-4" CONDUIT (TELEPHONE)
1-4"CONDUIT
1-2"CONDUIT
1-4"CONDUIT
1-2"CONDUIT
2-2" CONDUITS (CABLE TV)
2-4"CONDUIT
2-4"CONDUIT
3-1.25" CONDUITS (SUPPLIED BY GCI INSTALLED BY AEL&P

"PARTS PLUS" VALLEY AUTO PARTS
ASPHALT PAVING
ESMT
PERMIT
APPROX. 9m POLE
WOOD SIGN
R/W
18" CMP
N77°15'17"W 233.231m
1+600
ROCKS
PHONE BOOTH
WAT MH
PUMP ISLAND
COVERED AREA
ROOF DRAIN
ASPHALT PAVING
NATIONAL BANK OF ALASKA
AIRPORT UNION
Lot 4
6
6a
7b
7c
7d
7f

NOTE:
ALL WORK SHOWN ON THE UTILITY RELOCATION PLANS ARE NOT IN THE CONTRACT, UNLESS NOTED OTHERWISE. THIS IS BEING PROVIDED FOR COORDINATION AND INFORMATIONAL PURPOSES

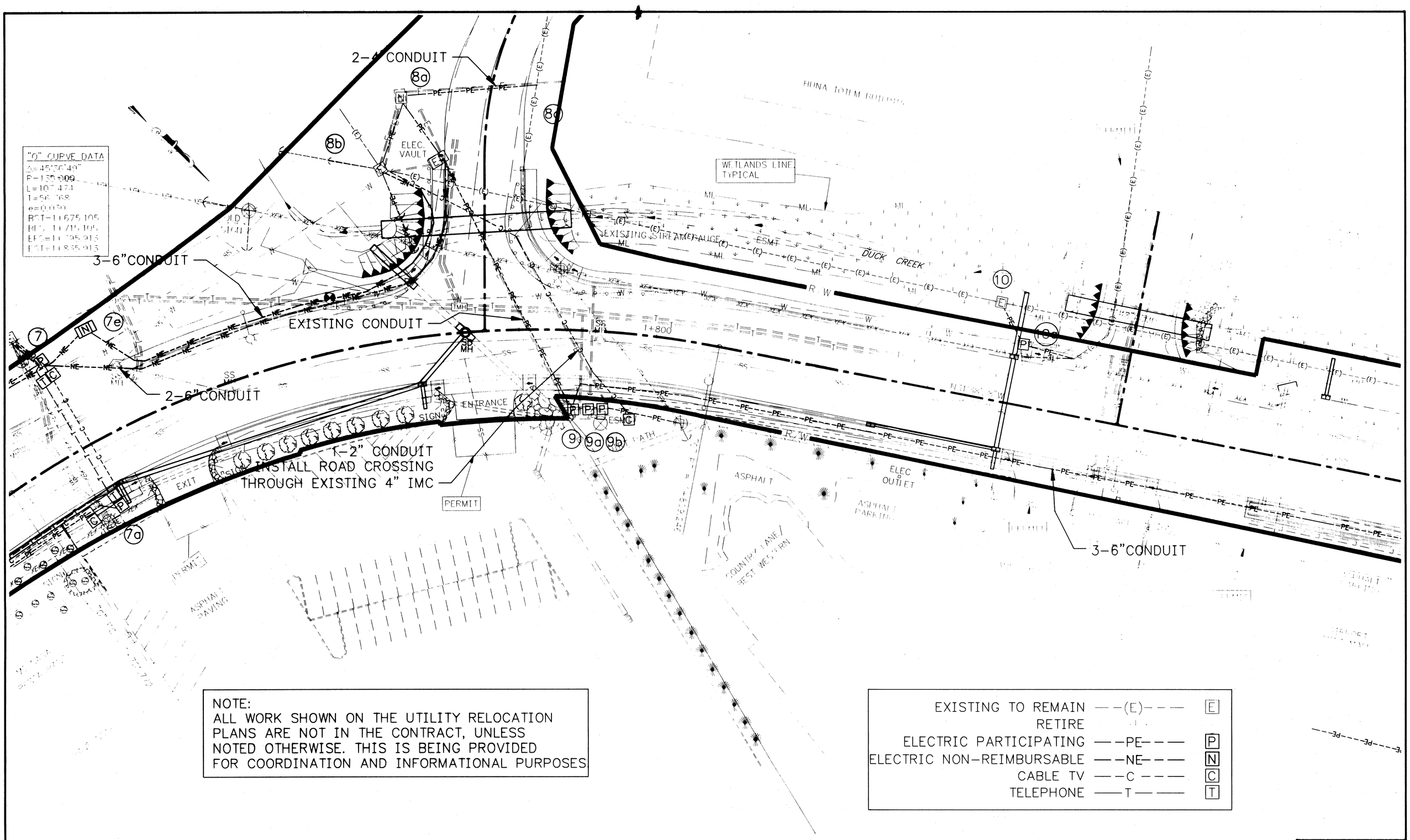
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BY:	DATE:	DESCRIPTION OF CHANGE:

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — JNU-GLACIER HIGHWAY — ALASKA
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
"0" STA. 1+520 TO "0" STA. 1+710
UTILITY RELOCATION PLANS

DESIGNED BY: UTILITY COMPANYS	PROJECT NO. 69755
DRAWN BY: L. ROBERTSON	DATE: 2001
CHECKED BY: T. MOORE	SHEET U4



NOTE:
ALL WORK SHOWN ON THE UTILITY RELOCATION PLANS ARE NOT IN THE CONTRACT, UNLESS NOTED OTHERWISE. THIS IS BEING PROVIDED FOR COORDINATION AND INFORMATIONAL PURPOSES.

EXISTING TO REMAIN	—(E)—	E
RETIRE		
ELECTRIC PARTICIPATING	—PE—	P
ELECTRIC NON-REIMBURSABLE	—NE—	N
CABLE TV	—C—	C
TELEPHONE	—T—	T

PATH: Q:\Jnu\69755\Planset\Utility-plan.dwg Thu, 22/Mar/01 01:43PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P5, PR5, T5

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

"O" STA. 1+710 TO "O" STA. 1+900

UTILITY RELOCATION PLANS

DESIGNED BY: UTILITY COMPANYS	PROJECT NO. 69755
DRAWN BY: L. ROBERTSON	DATE: 2001
CHECKED BY: T. MOORE	SHEET U5

PROFESSIONAL PLAZA

1-2" CONDUIT INSTALL ROAD CROSSING THROUGH EXISTING 3" IMC

EXISTING 1.5m H X 2.1m W MULTIPLATE

1-4" CONDUIT (TELEPHONE)

VALLEY PAINT CENTER

DUCK CREEK

1-4" CONDUIT

1-2" CONDUIT

EXISTING SILT FENCE

N31°38'28"W 216.123m

2+000

USE EXISTING CONDUIT

3-6" CONDUIT

EXISTING CONDUIT

ASPHALT PARKING

PERMIT

AIRPORT MINI MALL

VALLEY RESTAURANT

BOOKWICK GILES MUSIC/ COPY SHOP PHOTOMASTER

1-2"CONDUIT
1-4"CONDUIT

P/W

C.L. = 2+005.393

12 12a 13 13a 13b 13c 13e&f 13g 14 15

NOTE:
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EXISTING TO REMAIN	—(E)—	E
RETIRE	—XE—	( )
ELECTRIC PARTICIPATING	—PE—	P
ELECTRIC NON-REIMBURSABLE	—NE—	N
CABLE TV	—C—	C
TELEPHONE	—T—	T

PATH: Q:\Jnu\69755\Planset\Utility-plan.dwg Thu, 22/Mar/01 01:43PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P6, PR6, T6

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
"0" STA. 1+900 TO "0" STA. 2+090
UTILITY RELOCATION PLANS

ALASKA

DESIGNED BY: UTILITY COMPANYS	PROJECT NO. 69755
DRAWN BY: L. ROBERTSON	DATE: 2001
CHECKED BY: T. MOORE	SHEET U6

WETLANDS LINE TYPICAL

54" MULTIPLATE

54" MULTIPLATE

DUCK CREEK

R/W

2+200 N24°52'02"E

1.2m H WOODEN POST

SIGN

SS MH

DIRT TRAIL

R/W

SIGN

GUARD POSTS

ASPHALT PARKING

PERMIT

2+158.513

ASPHALT PARKING

DOMINO'S PIZZA

EXISTING TO REMAIN	—(E)—	E
RETIRE	—XE—	(X)
ELECTRIC PARTICIPATING	—PE—	P
ELECTRIC NON-REIMBURSABLE	—NE—	N
CABLE TV	—C—	C
TELEPHONE	—T—	T

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PATH: Q:\Jnu\69755\Planset\Utility-plan.dwg Thu, 22/Mar/01 01:43PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P7, PR7, T7

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
"0" STA. 2+090 TO "0" STA. 2+280
UTILITY RELOCATION PLANS

DESIGNED BY: UTILITY COMPANYS	PROJECT NO. 69755
DRAWN BY: L. ROBERTSON	DATE: 2001
CHECKED BY: T. MOORE	SHEET U7

QUICK CREEK

ML

WETLANDS LINE, TYPICAL

"O" CURVE DATA
Δ=03°48'29"
R=1500.000
L=99.691
T=49.864
e=0.000

R/W

+300

SS MH

TMH

(E) W

VERT PIPE

"O" PT = 2+355.92

GRAVEL PARKING

PIPELINE SKATEBOARD PARK

SEWER UTILITIES

SIDEWALK

CONCRETE PAD

EXISTING TO REMAIN	—(E)— [E]
RETIRE	(E)
ELECTRIC PARTICIPATING	—PE— [P]
ELECTRIC NON-REIMBURSABLE	—NE— [N]
CABLE TV	—C— [C]
TELEPHONE	—T— [T]

NOTE:
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PATH: Q:\Jnu\69755\Planset\Utility-plan.dwg Thu, 22/Mar/01 01:43PM		
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P8, PR8, T8		
BY:	DATE:	DESCRIPTION OF CHANGE:

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STATE OF ALASKA
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SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755
"0" STA. 2+280 TO "0" STA. 2+470
UTILITY RELOCATION PLANS

DESIGNED BY: UTILITY COMPANYS	PROJECT NO. 69755
DRAWN BY: L. ROBERTSON	DATE: 2001
CHECKED BY: T. MOORE	SHEET U8

WETLANDS LINE, TYPICAL

ML

DUCK CREEK

E

2+500 N29°11'29"E ~ 124.539m

JBOXS

SS

SS MH

W

(E)

R/W

6" & 4" PVC PIPE

1-4"CONDUIT

P

ASPHALT PATH

LIGHTING CONTROL CABINET IN CONTRACT

CROSS SIG

JBOX

TRAF LIGHT

EXISTING TO REMAIN	—(E)— E
RETIRE	—XEX— ⊗
ELECTRIC PARTICIPATING	—PE— P
ELECTRIC NON-REIMBURSABLE	—NE— N
CABLE TV	—C— C
TELEPHONE	—T— T

NOTE:
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PATH: Q:\Jnu\69755\Planset\Utility-plan.dwg Thu, 22/Mar/01 01:44PM
PLOT: PSPACE: 1=1(F) OR MSPACE: 1=250(F) VIEWS: P9, PR9, T9

BY:	DATE:	DESCRIPTION OF CHANGE:

RECORD OF REVISIONS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
SOUTHEAST REGION

JUNEAU — ALASKA

JNU-GLACIER HIGHWAY
EGAN DRIVE TO MENDENHALL LOOP ROAD
FED. NO. STP-F-M-0005(90)~ PROJECT NO. 69755

"0" STA. 2+470 TO E..O.P. "0" STA. 2+570
UTILITY RELOCATION PLANS

DESIGNED BY: UTILITY COMPANYS	PROJECT NO. 69755
DRAWN BY: L. ROBERTSON	DATE: 2001
CHECKED BY: T. MOORE	SHEET U9