		Driveway	Modifications		
Plan Station	Offset	Plan Width	New Station	New Offset	New Width
7+31	Rt	15	7+46	Rt	24
8+03	Rt	12	8+16	Rt	24
8+79	Rt	20	8+80	Rt	24
9+26	Rt	16	9+34	Rt	24
14+34	Rt	20	13+90	Rt	20
20+68	Rt	20	Deleted	—	—
97+76	Rt	24	97+83	Rt	24
98+60	Rt	14	Same	Rt	20
	The	Following	to be	Added	
Not Plan	—	—	57+15	Lt	20
Not Plan	—	—	105+54	Lt	24

LUMINAIRE & J-BOX SUMMARY

update 10/6/05

ELECTROLIER NUMBER	JBOX NUMBER	ROAD STATION	Pline STA for light	Pline STA for Jbox	jbox dist	L1 OFFSET RT (FT)	PLINE OFFSET (FT)	MAST ARM (FT)	POLE HEIGHT (FT)	COMMENTS
	33	52+75	252+92	252+89	1+01	27.8	10 RT	~~9' 45~~	37	Shorter Mast Arm
1E				254+42	1+53	25.5				
	34	54+22		255+63	1+03	27.0	10 RT	13	30	CHANGE 9/19/05
2E	35	55+42	255+65	257+35	1+90	28.0	10 RT	13	30	
3E	36	57+15	257+38	258+63	1+28	26.2				LIGHTING CIRCUIT E FROM PP #139, 9/28/05
	37	60+00		259+20	0+57	32.2	15.5 RT	18.5	30	FIELD CHANGE 9/28/05
4E	38	59+00	259+23	261+04	1+84	26.0	10 RT	13	30	DO NOT RELOCATE
5E	39	60+85	261+07	262+06	1+02	23.7				
	G	61+85		263+08	1+02	24.0	10 RT	13	30	
6E	40	62+90	263+11	265+28		24.5	10 RT	13	30	LIGHTING CIRCUIT F FROM PP#S148, 9/30/05
1F	41	65+10	265+31	267+18	1+90	25.0	10 RT	13	30	FIELD CHANGE 9/22/05
2F	42	67+00	267+21	269+08	1+90	25.6	10 RT	13	30	LIGHTING CIRCUIT RELOCATED 9/30/05
3F	43	68+90	269+11	270+46	1+35	23.9				
	H	70+25		271+57	1+11	24.1	10 RT	13	30	
4F	44	71+40	271+60	273+45	1+88	27.4	10 RT	13	30	DO NOT RELOCATE
5F	45	73+30	273+48	275+04	1+54	28.9	10 RT	13	25	FIELD CHANGE 10/3/05
6F	46	74+90	275+07	276+94	1+85	27.5	10 RT	13	35	FIELD CHANGE 10/4/05
1G	47	76+80	276+97	278+31	1+47	27.0	10 RT	13	35	
2G	48	78+17	278+34	279+82	1+51	26.0				
	J	79+65		280+54	0+97	27.3	10 RT	13	35	FIELD CHANGE 9/22/05
3G	49	80+40	280+57	281+82	1+03	26.2				LIGHTING CIRCUIT G FROM PP #169C
	50	81+65		282+90	1+08	26.1	10 RT	13	35	
4G	51	82+75	282+93	284+04	1+14	24.8				
	K	83+85		285+12	1+08	26.1	10 RT	13	35	
5G	52	84+95	285+15	286+72	1+60	26.2	10 RT	13	35	
6G	53	86+55	286+75	288+92		26.2	10 RT	13	35	
1H	54	88+75	288+95	290+04	1+12	24.0				
	55	89+80		290+86	0+82	25.5	10 RT	13	35	UPDATE MAST ARM, 10/4/05
2H	56	90+60	290+89	292+76	1+90	31.2	10 RT	18	35	*UPDATE L1 OFFSETS FOR 3H-4J, 10/5/2005*
3H	57	92+50	292+79	294+30	1+54	30.2				LIGHTING CIRCUIT H FROM PP # S188
	58	94+00		294+89	0+59	31.3	10 RT	18	35	
4H	59	94+63	294+92	295+94	1+05	30.0				
	L	95+65		296+91	0+97	31.3	10 RT	18	35	
5H	60	96+65	296+94	297+85	0+94	30.2				
	M	97+55		299+20	1+25	31.5	10 RT	18	35	FIELD CHANGE 10/4/2005
6H	61	98+93	299+23	300+89		31.5	10 RT	18	35	
1J	62	100+63	300+92	302+30	1+41	30.2				
	N	102+00		303+27	0+97	31.4	10 RT	18	35	
2J	63	103+00	303+30	304+40	1+13	30.2				
	P	104+10		305+55	1+05	31.4	10 RT	18	35	FLD CHG 10/6/05; LTG CKT J FROM PP #195B
3J	64	105+28	305+58	306+97	1+52	31.6	10 RT	18	35	
4J	65	106+70	307+00			23.1	24	11	35	OFFSET FROM HIGHWAY CENTERLINE
5J	66	108+45								

Latest Version 10/23/06 AW

update 4/11/06

LUMINAIRE & J-BOX SUMMARY

ELECTROLIER NUMBER	JBOX NUMBER	ROAD STATION	Pline STA for light	Pline STA for Jbox	L1 OFFSET RT (FT)	PLINE OFFSET (FT)	MAST ARM (FT)	POLE HEIGHT (FT)	COMMENTS
1A	1	5+10	205+07	205+10	27.5	10 RT	13	35	LIGHTING CIRCUIT A FROM PP #48A
	2	6+24		206+17	26.1				
	3	7+08		206+93	26.2				
2A	4	7+70	207+51	207+48	28.4	10 RT	13	35	
3A	5	8+95	208+81	208+85	23.1	10 RT	13	35	FIELD CHANGE 9/22/05
	6	9+95		209+88	23.4				
4A	7	10+88	210+83	210+80	25.5	10 RT	13	35	
	A	12+00		211+95	24.1				
5A	8	13+44	213+39	213+36	25.0	10 RT	13	35	
6A	9	15+25	215+17	215+14	25.1	10 RT	13	35	
1B	10	17+20	217+12	217+09	24.2	10 RT	13	35	
	11	18+50		218+46	24.7				LIGHTING CIRCUIT B FROM PP #S63B
2B	12	19+15	219+13	219+10	23.0	2 LT	8.5	37	
3B	13	21+05	221+09	221+06	24.1	2 LT	11	37	
	B	22+00		222+04	25.7				
4B	14	23+10	223+14	223+11	25.0	2 LT	11	37	
	C	24+10		224+14	26.6				
5B	15	25+15	225+19	225+16	25.9	2 LT	11	37	
6B	16	26+92	227+01	226+98	26.2	2 LT	11	37	
1C	17	29+08	229+20	229+17	25.1	2 LT	11	35	
	18	30+65		230+77	24.8				
2C	19	31+65	231+75	231+72	22.9	2 LT	10	35	
3C	20	33+00	233+10	233+07	24.4	2 LT	11	37	
	~~21~~	~~33+35~~		~~233+47~~	~~25.0~~				LIGHTING CIRCUIT C FROM PP #S50
	22	34+08		234+19	25.6				
4C	23	35+19	235+28	235+25	23.9	2 LT	11	37	
5C	24	36+95	237+08	237+05	23.9	2 LT	11	37	
	D	38+00		238+14	25.3				
6C	25	39+05	239+20	239+17	25.6	2 LT	11	37	
1D	26	41+00	241+15	241+12	26.1	2 LT	11	37	
2D	27	42+90	243+05	243+02	26.1	2 LT	11	37	
3D	28	44+80	244+94	244+91	23.5	2 LT	11	37	
	E	45+85		245+99	26.2				
4D	29	46+90	247+03	247+00	26.8	2 LT	11	37	
5D	30	48+80	248+93	248+90	27.4	2 LT	11	37	
	F	49+90		250+03	28.6				
6D	31	51+00	251+13	251+10	27.3	2 LT	11	37	
	32	53+60		253+63		10 RT			LT CKT D FROM PP#S136 (FLDCH 10/14/05)

Luminaire & J Box Summary

Electrolier Number	J Box Number	Road Station	P. Line Station for Light	P. Line Sta. For J Box	J Box Dist.	L1 Offset RT (FT).	P. Line Offset (FT)	Mast Arm (FT)	Pole Height (FT)	Comments
1A	1	5+10	205+07	205+10		27.5	10 RT	13	35	Lighting Circuit A From PP # 48 A
	2	6+24		206+17		26.1				
	3	7+08		206+93		26.2				
2A	4	7+70	207+51	207+48		28.4	10 RT	13	35	
3A	5	8+95	208+81	208+85		23.1	10 RT	13	35	Field Change 9/22/05
	6	9+95		209+88		23.4				
4A	7	10+88	210+83	210+80		25.5	10 RT	13	35	
	A	10+00		211+95		24.1				
5A	8	13+44	213+39	213+36		25.0	10 RT	13	35	
6A	9	15+25	215+17	215+14		25.1	10 RT	13	35	
1B	10	17+20	217+12	217+09		24.2	10 RT	13	35	
	11	18+50		218+46		24.7				Lighting Circuit B From PP # S63B
2B	12	19+15	219+13	219+10		23.0	2 LT	8.5	37	
3B	13	21+05	221+09	221+06		24.1	2 LT	11	37	
	B	22+00		222+04		25.7				
4B	14	23+10	223+14	223+11		25.0	2 LT	11	37	
	C	24+10		224+14		26.6				
5B	15	25+15	225+19	225+16		25.9	2 LT	11	37	
6B	16	26+92	227+01	226+98		26.2	2 LT	11	37	
1C	17	29+08	229+20	229+17		25.1	2 LT	11	35	
	18	30+65		230+77		24.8				
2C	19	31+65	231+75	231+72		22.9	2 LT	10	35	
3C	20	33+00	233+10	233+07		24.4	2 LT	11	37	
	21	33+35		233+47		25.0				Lighting Circuit C From PP # S50
	22	34+08		234+19		25.6				
4C	23	35+19	235+28	235+25		23.9	2 LT	11	37	
5C	24	36+95	237+08	237+05		23.9	2 LT	11	37	
	D	38+00		238+14		25.3				
6C	25	39+05	239+20	239+17		25.6	2 LT	11	37	
1D	26	41+00	241+15	241+12		24.1	2 LT	11	37	
2D	27	42+90	243+05	243+02		26.1	2 LT	11	37	
3D	28	44+80	244+94	244+91		23.5	2 LT	11	37	
	E	45+85		245+99		26.2				
4D	29	46+90	247+03	247+00		26.8	2 LT	11	37	
5D	30	48+80	248+93	248+90		27.4	2 LT	11	37	
	F	49+90		250+03		28.6				
6D	31	51+00	251+13	251+10		27.3	2 LT	11	37	
	32	53+50		253+63			10 RT			LT CKT'D From PP#S 136 (PLDCH 10/14/05)

Luminaire & J Box Summary

Electrolier Number	J Box Number	Road Station	P. Line Station for Light	P. Line Sta. For J Box	J Box Dist.	L1 Offset RT (FT).	P. Line Offset (FT)	Mast Arm (FT)	Pole Height (FT)	Comments
1E	33	52+75	252+92	252+89	1+01	27.8	10 RT	9	37	Shorter Mast Arm
	34	54+22		254+42	1+53	25.5				
2E	35	55+42	255+65	255+63	1+03	27.0	10 RT	13	30	Change 9/19/05
3E	36	57+16	257+38	257+35	1+90	28.0	10 RT	13	30	
	37			258+63	1+28	26.2				Lighting Circuit E from PP#139 9/28/05
4E	38	59+00	259+23	259+20	0+57	32.2	15.5 RT	18.5	30	Field Change 9/28/05
5E	39	60+85	261+07	261+04	1+84	26.0	10 RT	13	30	Do Not Relocate
	G	61+85		262+06	1+02	23.7				
6E	40	62+90	263+11	263+08	1+02	24.0	10 RT	13	30	
1F	41	65+10	265+31	265+28		24.6	10 RT	13	30	Lighting Circuit F From PP#S 148, 9/30/05
2F	42	67+00	267+21	267+18	1+90	25.0	10 RT	13	30	Field Change 9/22/05
3F	43	68+90	269+11	269+08	1+90	25.6	10 RT	13	30	Lighting Circuit Relocated 9/30/05
	H	70+25		270+46	1+35	23.9				
4F	44	71+40	271+60	271+57	1+11	24.1	10 RT	13	30	
5F	45	73+30	273+48	273+45	1+88	27.4	10 RT	13	30	Do Not Relocate
6F	46	74+90	275+07	275+04	1+54	28.9	10 RT	13	25	Field Change 10/3/05
1G	47	76+80	276+97	276+94	1+85	27.5	10 RT	13	35	Field Change 10/4/05
2G	48	78+17	278+34	278+31	1+47	27.0	10 RT	13	35	
	J	79+65		279+82	1+51	26.0				
3G	49	80+40	280+57	280+54	0+97	27.3	10 RT	13	35	Field Change 9/22/05
	50	81+65		281+82	1+03	26.2				Lighting Circuit G from PP #169C
4G	51	82+75	282+93	282+90	1+08	26.1	10 RT	13	35	
	K	83+85		284+04	1+14	24.8				
5G	52	84+95	285+15	285+12	1+08	26.1	10 RT	13	35	
6G	53	86+55	286+75	286+72	1+60	26.2	10 RT	13	35	
1H	54	88+75	288+95	288+92		26.2	10 RT	13	35	
	55	89+80		290+04	1+12	24.0				
2H	56	90+60	290+89	290+86	0+82	25.5	10 RT	13	35	Update Mast Arm 10/4/05
3H	57	92+50	292+79	292+76	1+90	31.2	10 RT	18	35	Update L-1 offsets for 3H-4J 10/5/05
	58	94+00		294+30	1+54	30.2				Lighting Circuit H from PP # S5 188
4H	59	94+63	294+92	294+89	0+59	31.3	10 RT	18	35	
	L	95+65		295+94	1+05	30.0				
5H	60	96+65	296+94	296+91	0+97	31.3	10 RT	18	35	
	M	97+55		297+85	0+94	30.2				
6H	61	98+93	299+23	299+20	1+25	31.5	10 RT	18	35	Field Change 10/4/2005
1J	62	100+63	300+92	300+89		31.5	10 RT	18	35	
	N	102+00		302+30	1+41	30.2				
2J	63	103+00	303+30	303+27	0+97	31.4	10 RT	18	35	
	P	104+10		304+40	1+13	30.2				
3J	64	105+28	305+58	305+55	1+05	31.4	10 RT	18	35	Fld Chg 10/6/05 LTG CKT J From PP #195B
4J	65	106+70	307+00	306+97	1+52	31.6	10 RT	18	35	
5J	66	108+45				23.1	24	11	35	Offset from Highway Centerline

State of Alaska

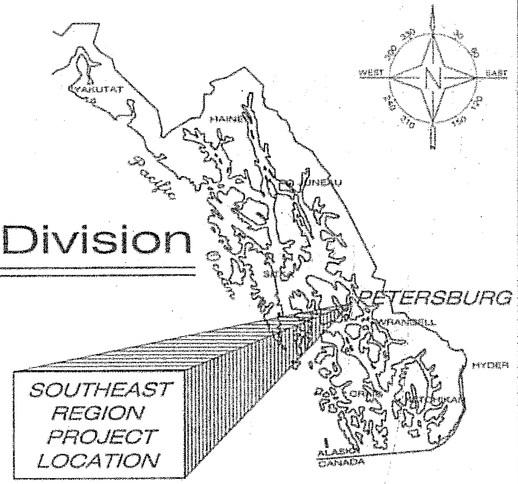
Department of Transportation and Public Facilities

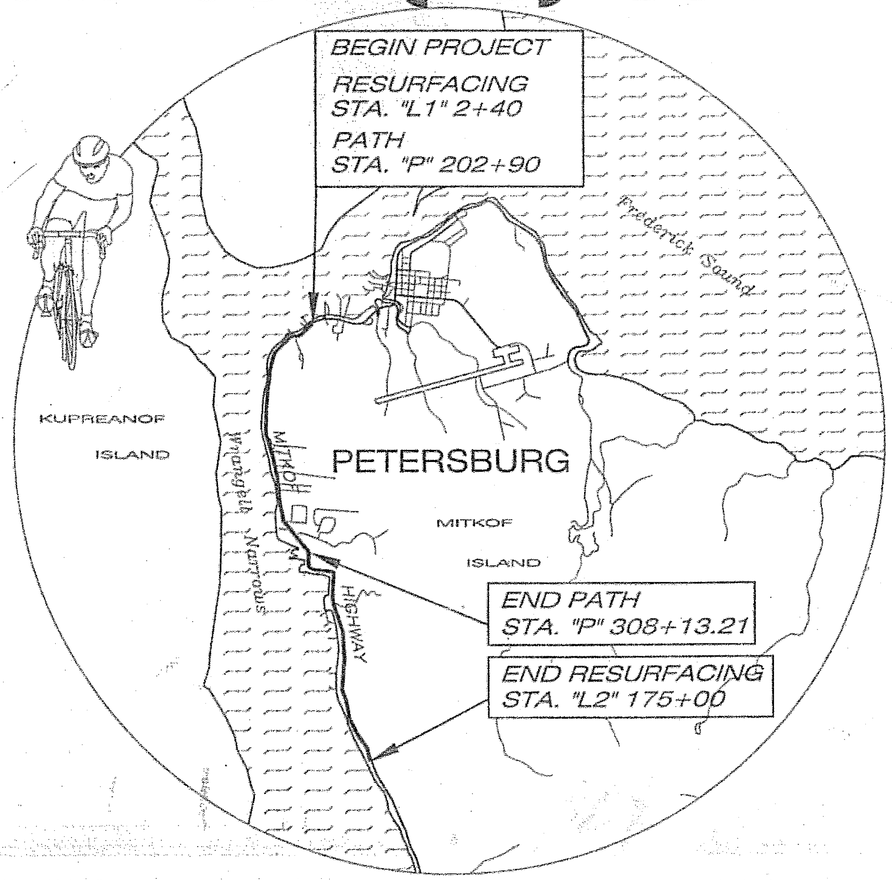
Southeast Region Design and Engineering Services Division

PETERSBURG, ALASKA

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL SOUTH RESURFACING
STP-0937(29)~68242





AS-BUILT DRAWINGS

DOT&PF Project Engineer(s)

2005 - Greg Lockwood

2006 - Cliff Douglas

Prime Contractor - Secon Construction - John Loysdon, Superintendant

Construction Commenced - June 23, 2005

Completed - August 25, 2006

DESIGN DESIGNATIONS

ITEM	STATIONS	2003	2023
A.D.T.		2,830	3,450
D.H.V. 10%		360	440
V. (MPH)	B.O.P. TO "L1" 20+00	30	30
	"L1" 20+00 TO "L2" 146+50	40	40
	"L2" 146+50 TO E.O.P.	50	50
P.H.F.		0.9	0.9
D.		55/45	55/45
%T.		5.4%	5.4%
EAL (10 YR.)			500,000

PROJECT SUMMARY

CDS ROUTE NO. 294000

CDS MILEPOINT 0.9 TO 4.6

LENGTH OF PROJECT - 19,460 FT

LENGTH OF RESURFACING - 19,460 FT

WIDTH OF RESURFACING - 32'

LENGTH OF PATH - 10,524 FT

WIDTH OF PATH - 8' PATH

22.40 / 16.90 / 5.90 — 32.07

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-22.01	I-20.13	S-20.10
C-03.10	D-23.01	I-21.01	S-23.00
C-04.12	D-26.02	L-03.10	S-30.03
C-05.10	D-35.00	L-23.01	T-06.00
D-01.02	D-36.00	S-00.10	T-21.02
D-04.21	E-00.00	S-01.00	T-23.00
D-20.03	E-13.00	S-05.01	

INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SURVEY CONTROL PLAN
A3	P-LINE CONTROL TABLE
B1-B3	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1-D4	MISCELLANEOUS SUMMARIES
E1-E11	CONSTRUCTION DETAILS
F1-F28	PLANS & PROFILES
G1-G7	APPROACH & DRIVEWAY PLANS & PROFILES
J1-J2	TRAFFIC CONTROL PLANS
K1-K10	SIGNING, STRIPING, & ILLUMINATION PLANS
L1-L20	EROSION & POLLUTION CONTROL

PATH: O:\Psg\68165\Planset\A1_Tsht.dwg
Tue, 05/Apr/05 12:05PM lrobertson

PLOT: PSPACE OR MSPACE: 1000mm=1m(F) TAB: A1

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SE REGION

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49th TRACY W. MOORE CE-4392 REGISTERED PROFESSIONAL ENGINEER

RECOMMENDED FOR APPROVAL: 4/5/05

REGIONAL PRE-CONSTRUCTION ENGINEER — DATE 4/5/05

APPROVED:

DIRECTOR, SOUTHEAST REGION — DATE 4/5/05

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

CONSTRUCTION PROJECT MANAGER — DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	68165 - 68242	2005	A1	89

321-1013 1131

HORIZONTAL CONTROL

HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE DOT/PF 2001 PSG GRID.

THE DOT/PF 2001 PSG GRID SYSTEM IS A LOCAL GROUND COORDINATE SYSTEM BASED AT THE NGS PRIMARY AIRPORT CONTROL STATION PSG-D. IT RELATES TO THE AKSPC ZONE 1 NAD 83 THROUGH THE FOLLOWING PARAMETERS:
ZONE = NAD83 AKSPC
ZONE 1 GRID SCALE = 0.999905
CONVERGENCE = 0°36'11"

TRANSLATION ABOUT NGS POINT PSG-D AS FOLLOWS:
AKSPC NORTHING = 1815770.3578 FT US
AKSPC EASTING = 2832689.3475 FT US
LOCAL NORTHING = 300000.0000 FT US
LOCAL EASTING = 200000.0000 FT US

PROJECT SPECIFIC BASIS OF HORIZONTAL CONTROL:

PSG-D : PUNCH IN STAINLESS ROD INSIDE PVC NEAR VASI LIGHT AT EAST END OF RUNWAY.
PSG-GRID N 300000.0000 FT US, E 200000.0000 FT US
AKSPC N 1815770.3578FT US, E 2832689.3475 FT US

PCT-1 : LEAD PLUG AND TACK IN SIDEWALK NEAR WEST EDGE OF SOUTH HARBOR GRID SIDEWALK.
PSG-GRID N 301706.4445 FT US, E 193525.7103 FT US
AKSPC N 1817408.4095 FT US, E 2826198.0726 FT US

MH-1 : 3" ALCAP MONUMENT SET IN ALUMINUM MONUMENT CASE APPROX. 200 YARDS SOUTH OF AML FREIGHT OFFICE ON EASTERLY SHOULDER OF MITKOF HIGHWAY.
PSG-GRID N 288910.0215 FT US, E 194383.8619 FT US
AKSPC N 1804622.9422 FT US, E 2827190.7661 FT US

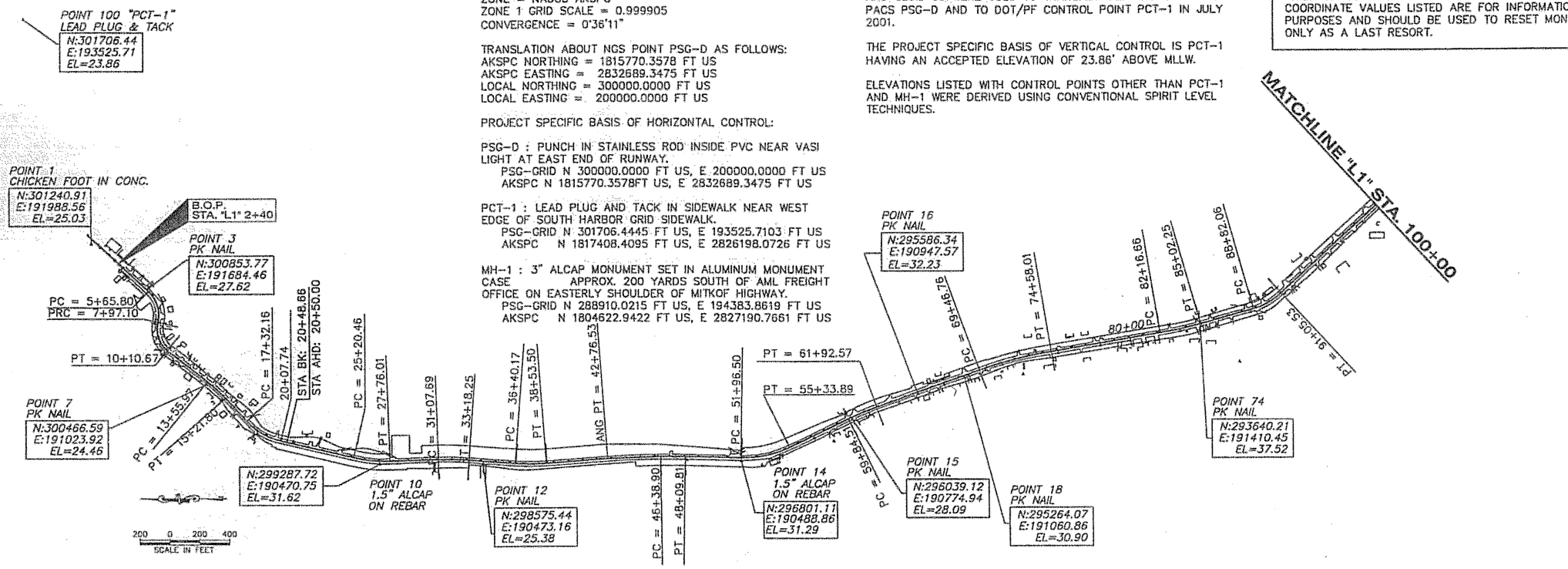
VERTICAL CONTROL

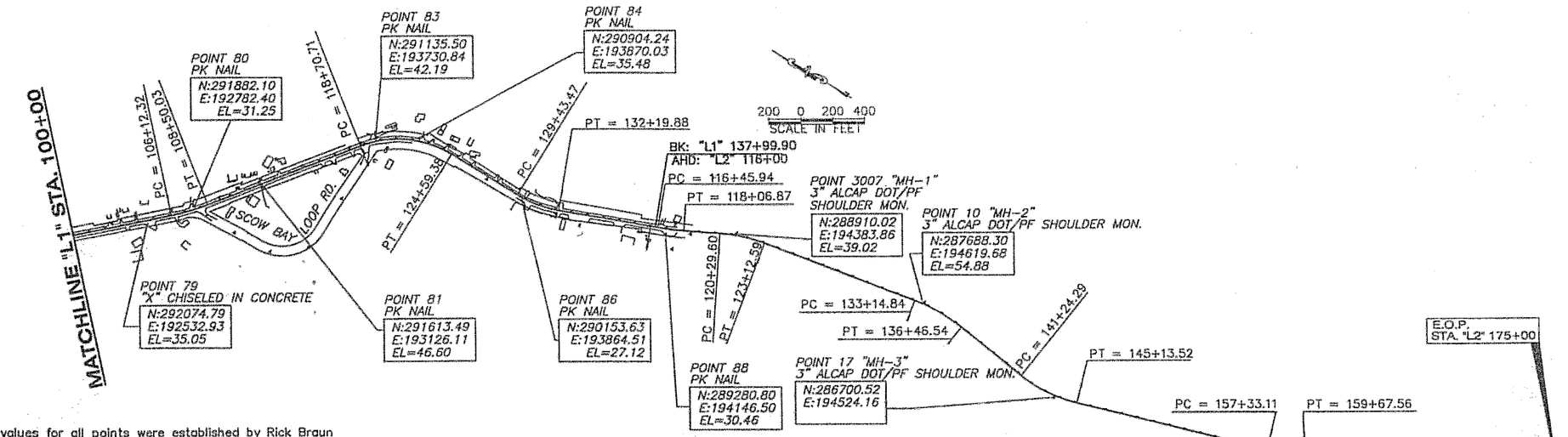
THE VERTICAL DATUM FOR PSG GRID 2001 IS MLLW (9451439) PSG WRANGELL NARROWS TIDAL DATUM BASED ON THIRD ORDER LEVELS AND AND SUPPLEMENTED WITH GEOID 99 MODELED HEIGHTS. THE BASIS OF VERTICAL CONTROL IS NOAA BM 1439A LOCATED ON A COLUMN ON THE NW CORNER OF THE WELLS FARGO BUILDING HAVING A PUBLISHED ELEVATION OF 25.82' ABOVE MLLW 1960-1978 TIDAL EPOCH. STATIC GPS SESSIONS AND GEOID 99 WERE USED TO TRANSFER ELEVATIONS TO NGS PACS PSG-D AND TO DOT/PF CONTROL POINT PCT-1 IN JULY 2001.

THE PROJECT SPECIFIC BASIS OF VERTICAL CONTROL IS PCT-1 HAVING AN ACCEPTED ELEVATION OF 23.86' ABOVE MLLW.

ELEVATIONS LISTED WITH CONTROL POINTS OTHER THAN PCT-1 AND MH-1 WERE DERIVED USING CONVENTIONAL SPIRIT LEVEL TECHNIQUES.

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 IN ACCORDANCE WITH A.S. 34.65.040 SHALL BE SUBMITTED TO THE CONSTRUCTION ENGINEER FOR REVIEW PRIOR TO RECORDING.
COORDINATE VALUES LISTED ARE FOR INFORMATIONAL PURPOSES AND SHOULD BE USED TO RESET MONUMENTS ONLY AS A LAST RESORT.





Coordinate values for all points were established by Rick Braun and Associates during control network survey. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.

SURVEY CONTROL PLAN

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: G:\Pag\68165\Planset\A2_ControlPlan.dwg lrobertson
PLOT: PSPACE 1=1(F) OR MSPACE 1=1(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)--68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)--68242

SURVEY CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA — 7491 — PETE BEDNAROWICZ — REGISTERED PROFESSIONAL SURVEYOR — CE-5104
4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

SURVEY CONTROL PLAN

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
A2	89

P-LINE CONTROL TABLE

DESC.	STATION	CURVE DATA				TANGENT		NORTHING	EASTING
		DELTA	RADIUS	LENGTH	TANGENT	BEARING	LENGTH		
PC	202+90.00	77° 30' 50.25"	27.00	36.53	21.68	-	-	301074.84	191812.90
RADIUS POINT		-	-	-	-	-	-	301058.57	191791.35
PT	203+26.53	-	-	-	-	S 40° 28' 11.64" W	56.63	301041.05	191811.89
ANG PT	203+83.16	-	-	-	-	S 44° 17' 00.75" W	186.04	300997.96	191775.14
PC	205+71.20	49° 28' 27.51"	192.00	165.79	88.46	-	-	300863.35	191643.85
PT	207+36.99	-	-	-	-	N 86° 14' 31.74" W	78.81	300805.82	191493.81
PC	208+15.80	55° 34' 46.68"	210.00	203.71	110.67	-	-	300810.98	191415.17
PT	210+19.51	-	-	-	-	S 38° 10' 41.57" W	322.44	300731.24	191236.33
PC	213+41.95	09° 56' 05.96"	1027.00	178.08	89.26	-	-	300477.77	191037.03
PT	215+20.03	-	-	-	-	S 48° 06' 47.53" W	231.54	300348.00	190915.40
PC	217+51.57	05° 29' 40.79"	200.00	19.18	9.60	-	-	300193.41	190743.02
PCC	217+70.75	09° 05' 54.50"	466.00	74.00	37.08	-	-	300179.94	190729.38
PRC	218+44.75	08° 57' 19.19"	100.00	15.63	7.83	-	-	300121.74	190683.89
PRC	218+60.38	28° 59' 07.00"	250.00	126.47	64.62	-	-	300109.44	190674.18
PT	219+86.85	-	-	-	-	S 13° 29' 24.04" W	535.52	299998.94	190615.47
STATION EQUATION: STA BK 219+89.06, STA AHD 219+89.28									
PC	225+22.59	16° 07' 10.54"	1000.00	281.34	141.60	-	-	299476.19	190490.55
PT	228+03.93	-	-	-	-	S 02° 37' 46.50" E	175.48	299199.04	190464.01
PC	229+79.41	09° 35' 50.94"	325.00	54.44	27.28	-	-	299023.75	190472.06
PRC	230+33.85	21° 28' 40.74"	325.00	121.83	61.64	-	-	298969.83	190479.09
PRC	231+55.68	08° 36' 43.19"	325.00	48.85	24.47	-	-	298848.75	190482.24
PRC	232+04.53	03° 40' 44.37"	1900.00	122.00	61.02	-	-	298800.13	190478.03
PRC	233+26.53	09° 53' 24.48"	325.00	56.10	28.12	-	-	298678.26	190472.76
PRC	233+82.63	19° 59' 11.51"	325.00	113.37	57.27	-	-	298622.24	190473.37
PRC	234+96.00	10° 03' 46.45"	325.00	57.08	28.61	-	-	298509.78	190464.68
PT	235+53.08	-	-	-	-	S 04° 21' 05.07" W	69.46	298453.53	190455.38
PC	236+22.54	08° 23' 27.88"	1925.00	281.92	141.21	-	-	298384.27	190450.11
PT	239+04.46	-	-	-	-	S 04° 02' 22.81" E	418.65	298102.60	190449.34
PC	243+23.11	05° 10' 54.88"	5120.00	463.06	231.69	-	-	297664.99	190478.84
PT	247+86.17	-	-	-	-	S 01° 08' 32.07" W	384.75	297222.24	190490.54
PC	251+70.92	17° 12' 53.73"	700.00	210.32	105.96	-	-	296837.57	190482.87
PRC	253+81.24	02° 09' 23.61"	500.00	18.82	9.41	-	-	296629.81	190510.09
PRC	254+00.06	07° 43' 30.59"	764.03	103.01	51.58	-	-	296611.63	190514.96
PRC	255+03.07	09° 49' 04.95"	150.00	25.70	12.88	-	-	296513.61	190546.39
PRC	255+28.78	14° 18' 25.76"	150.00	37.46	18.83	-	-	296489.03	190553.78
PT	255+66.23	-	-	-	-	S 26° 07' 49.25" E	415.66	296453.70	190565.93
PC	259+81.89	06° 40' 27.37"	2500.00	291.22	145.78	-	-	296080.52	190749.00
PT	262+73.11	-	-	-	-	S 19° 27' 22.60" E	767.38	295812.20	190881.75
PC	270+40.49	09° 39' 42.82"	1620.00	306.91	153.82	-	-	295088.64	191117.36
PT	273+47.40	-	-	-	-	S 09° 47' 39.78" E	127.13	294792.02	191194.76
ANG PT	274+74.53	-	-	-	-	S 09° 31' 29.12" E	756.33	294666.75	191216.39
PC	282+30.86	06° 12' 19.39"	2595.00	281.05	140.66	-	-	293920.85	191341.54
PT	285+11.91	-	-	-	-	S 15° 43' 48.51" E	390.06	293646.73	191402.95
PC	289+01.97	26° 59' 21.14"	495.00	233.17	118.79	-	-	293271.28	191508.70
PT	291+35.14	-	-	-	-	S 42° 43' 09.65" E	1501.47	293069.66	191621.49
PC	306+36.61	03° 49' 10.99"	1500.00	100.00	50.02	-	-	291966.55	192640.10
PCC	307+36.61	13° 27' 31.60"	100.00	23.49	11.80	-	-	291895.40	192710.34
PRC	307+60.10	11° 29' 36.72"	100.00	20.06	10.06	-	-	291881.38	192729.12
* PT	307+80.16	-	-	-	-	S 48° 30' 15.52" E	33.04	291869.68	192745.37
END	308+13.20	-	-	-	-	-	-	291847.79	192770.12

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
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lrobertson

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

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

P-LINE CONTROL TABLE

DESIGNED BY: D. LESTER

STATE OF ALASKA
19th
PETE BEDNAROWICZ JR.
CE-5104
REGISTERED PROFESSIONAL ENGINEER
9/15/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

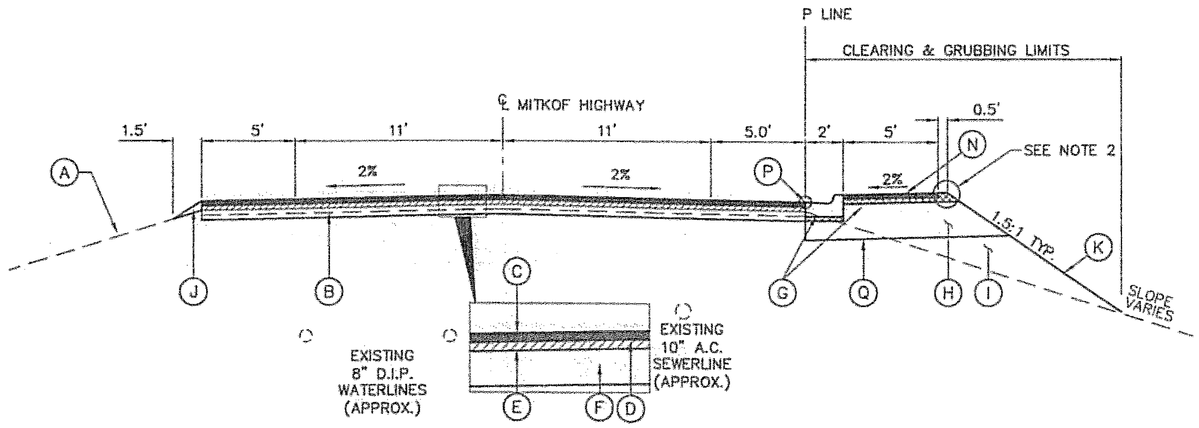
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION– SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

P-LINE CONTROL TABLE

PROJECT DESIGNATION NUMBER

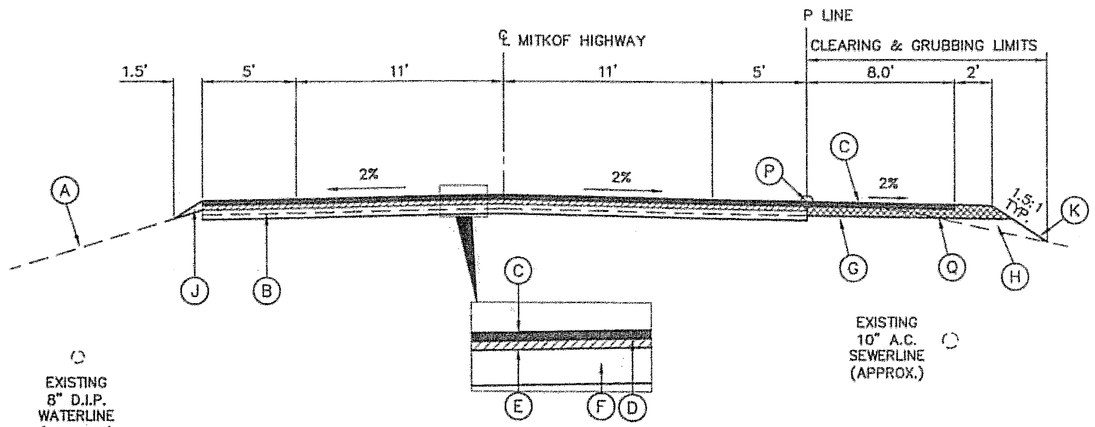
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
A3	89



TYPICAL SECTION

STA. B.O.P. TO STA. "L1" 7+20.



TYPICAL SECTION

STA. "L1" 7+20. TO STA. "L1" 18+25

& "L1" 54+00. TO STA. "L1" 96+85

NOTES

1. PAVEMENT GRINDING DEPTH SHALL BE 4".
2. WIDEN SHOULDER WIDTH OF PATH FROM 0.5' TO 2' TO ALLOW FOR HAND RAIL ACROSS SKYLARK CREEK. SEE HAND RAIL DETAIL, SHEET E5.
3. ALL EXISTING GUARDRAIL ON THE SEAWARD SIDE SHALL BE REMOVED ALONG THE LENGTH OF THE PATH.
4. ADJUST PATH PROFILE TO MATCH ROADWAY EDGE

LEGEND

- (A) EXISTING GROUND
- (B) EXISTING 3"± ASPHALT PAVEMENT (2 LAYERS)
- (C) 1 1/2" ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B
- (D) STE–1 / CSS–1 ASPHALT FOR TACK COAT
- (E) 1 1/2" ASPHALT TREATED BASE
- (F) 4" CRUSHED ASPHALT BASE COURSE
- (G) 4" AGGREGATE BASE COURSE, GRADING D–1
- (H) 12" BORROW, TYPE A
- (I) BORROW, TYPE C
- (J) BORROW, TYPE A
- (K) SEEDING
- (L) REMOVAL OF EXISTING GUARDRAIL
- (M) GEOTEXTILE FABRIC
- (N) 4" CONCRETE SIDEWALK
- (P) P–LINE PROFILE GRADE POINT
- (Q) UNCLASSIFIED EXCAVATION LIMITS

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
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drdodge

PLOT:
PSPACE 1=1(F) OR MSPACE 1=4(F)

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No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

TYPICAL SECTIONS

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION– SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

TYPICAL SECTIONS

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
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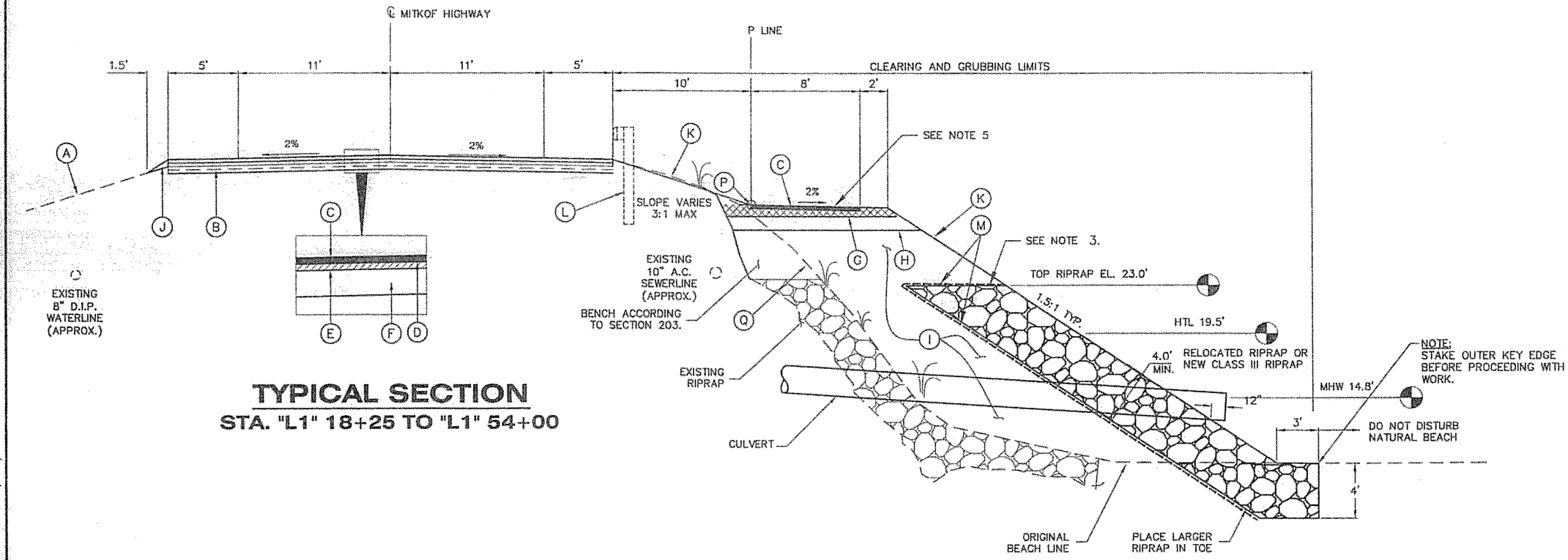

TYPICAL SECTION

STA. "L1" 18+25 TO "L1" 54+00

NOTES

1. THE CONTRACTOR HAS THE OPTION TO RELOCATE EXISTING CLEAN RIPRAP TO NEW SLOPE LIMITS. DO NOT UNDERMINE EXISTING ROAD PRISM MORE THAN 1.5:1 SLOPE FROM BACK OF GUARDRAIL. SUPPLEMENT WITH NEW RIPRAP IF NECESSARY. PLACE RIPRAP IN ACCORDANCE WITH SECTION 6" OF THE SPECIFICATIONS.
2. FILL HOLES IN EXISTING SLOPE AND RIPRAP WITH MATERIAL APPROVED BY THE ENGINEER, AND COMPACT BEFORE PLACING EMBANKMENT.
3. FILL HOLES ON TOP SURFACE OF NEW RIPRAP BEFORE INSTALLING GEOTEXTILE FABRIC TO PREVENT TEARING AND/OR INTRUSION OF OVERLYING MATERIALS. USE MATERIAL APPROVED BY ENGINEER.
4. EXCAVATION AND DISPOSAL OF KEY FOR RIPRAP SHALL BE INCIDENTAL TO ITEM 611(1B).
5. CAREFULLY PLACE RIPRAP AROUND CULVERT TO AVOID DAMAGING CULVERT PIPE. PIPE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
6. DO NOT DROP THE PATH ELEVATION BELOW 24.5'. FLATTEN THE SEPARATION SLOPE WHEN NECESSARY.

LEGEND

- (A) EXISTING GROUND
- (B) EXISTING 3"± ASPHALT PAVEMENT (2 LAYERS)
- (C) 1 1/2" ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B
- (D) STE-1 / CSS-1 ASPHALT FOR TACK COAT
- (E) 1 1/2" ASPHALT TREATED BASE
- (F) 4" CRUSHED ASPHALT BASE COURSE
- (G) 4" AGGREGATE BASE COURSE, GRADING D-1
- (H) 12" BORROW, TYPE A
- (I) BORROW, TYPE C
- (J) BORROW, TYPE A
- (K) SEEDING
- (L) REMOVAL OF EXISTING GUARDRAIL
- (M) GEOTEXTILE FABRIC
- (N) 4" CONCRETE SIDEWALK
- (P) P-LINE PROFILE GRADE POINT
- (Q) UNCLASSIFIED EXCAVATION LIMITS

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PATH: Q:\Psg\68165\Planset\B_Typs.dwg drdodge
PLOT: PSPACE 1=1(F) OR MSPACE 1=4(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

TYPICAL SECTIONS

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

TYPICAL SECTIONS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
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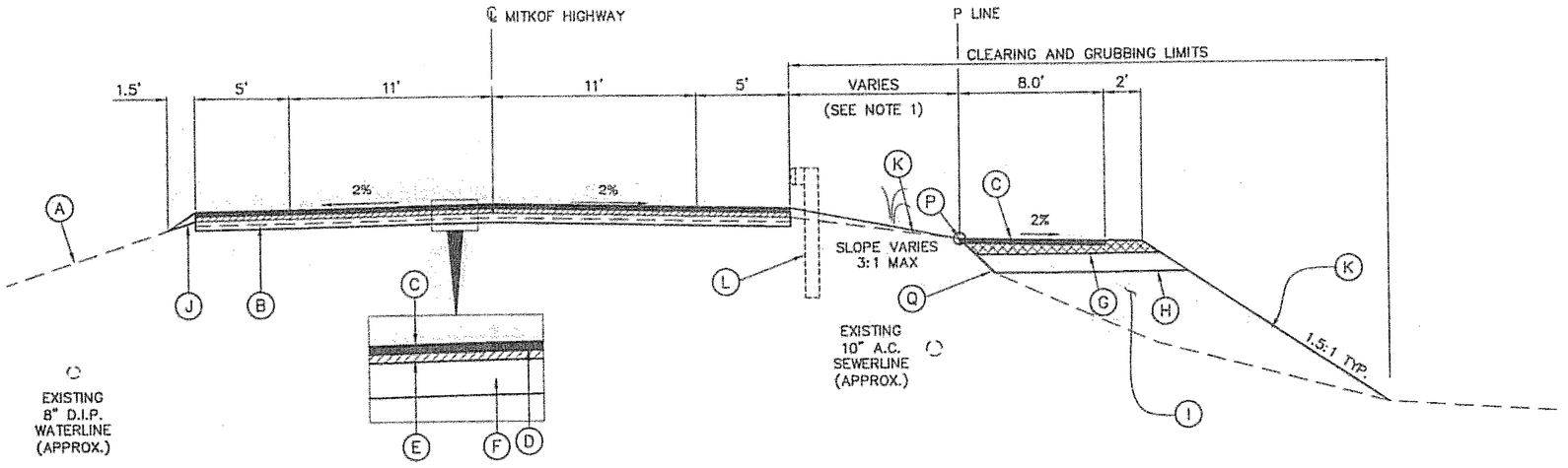
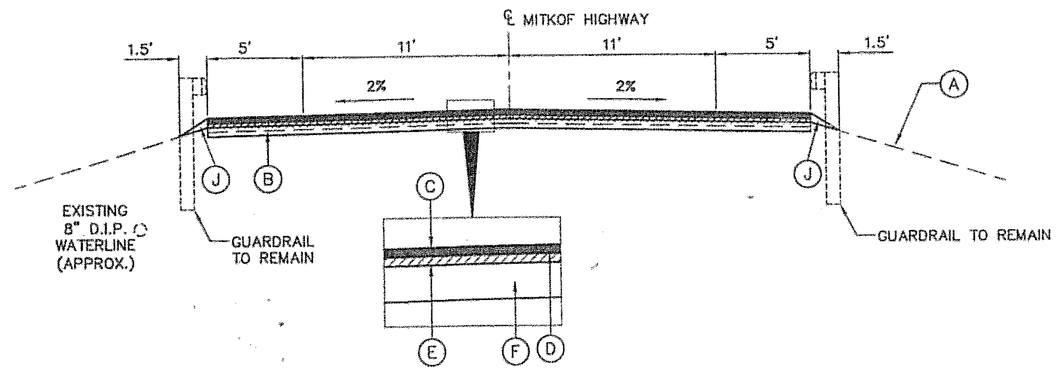


TYPICAL SECTION

STA. "L1" ~~54+00~~ 96+85 TO "L1" 107+79

1. SWERVE PATH TOWARD THE HIGHWAY TO AVOID POWER POLES, WHEN NECESSARY. SEE PATH SWERVE DETAIL SHEET E8.



TYPICAL SECTION

STA. "L1" 107+79 TO "L2" E.O.P.

NOTE: STATION EQUATION BK "L1" 137+99.90, AHD "L2" 116+00

LEGEND

- (A) EXISTING GROUND
- (B) EXISTING 3"± ASPHALT PAVEMENT (2 LAYERS)
- (C) 1 1/2" ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B
- (D) STE-1 / CSS-1 ASPHALT FOR TACK COAT
- (E) 1 1/2" ASPHALT TREATED BASE
- (F) 4" CRUSHED ASPHALT BASE COURSE
- (G) 4" AGGREGATE BASE COURSE, GRADING D-1
- (H) 12" BORROW, TYPE A
- (I) BORROW, TYPE C
- (J) BORROW, TYPE A
- (K) SEEDING
- (L) REMOVAL OF EXISTING GUARDRAIL
- (M) GEOTEXTILE FABRIC
- (N) 4" CONCRETE SIDEWALK
- (P) P-LINE PROFILE GRADE POINT
- (Q) UNCLASSIFIED EXCAVATION LIMITS

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
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drdodge
PLOT:
PSPACE 1=1(F) OR MSPACE 1=4(F)

ADDENDUM NUMBER
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TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

TYPICAL SECTIONS

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

TYPICAL SECTIONS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
B3	89

ESTIMATE OF QUANTITIES

ITEM NO	PAY ITEM	PAY UNIT	QUANTITY
201 (3A)	CLEARING AND GRUBBING	ACRE	~~6.9~~ 3.052
202 (1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	~~2000~~ 2681.7
203 (6A)	BORROW, TYPE A	TON	~~7000~~ 11,102.6
203 (6C)	BORROW, TYPE C	TON	~~23000~~ 31,725.4
203(19)	DITCH RECONDITIONING	STATION	~~50~~ 36.04
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	~~4400~~ 3,792.9
306 (1)	ATB	TON	~~6400~~ 6,170.2
308 (1)	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	~~74800~~ 69,391.5
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	TON	~~520~~ 783.37
308 (3)	PORTLAND CEMENT	TON	~~170~~ 151.79
401 (1)	ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B	TON	~~7100~~ 7,584.05
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	~~715~~ 774.79
401 (6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	~~30~~ 18.32
506 (5)	MODIFICATION OF ACCESS	EACH	2
514 (1)	ROCKERY WALL	SQUARD YARD	~~115~~ 112.86
603 (1-36)	36 INCH CSP	LINEAR FOOT	~~10~~ 7
603 (10-57)	57" X 38" CORRUGATED ALUMINUM PIPE ARCH	LINEAR FOOT	80
603 (10-87)	87" X 63" CORRUGATED ALUMINUM PIPE ARCH	LINEAR FOOT	100
603 (10-95)	95" X 62" CORRUGATED ALUMINUM PIPE ARCH	LINEAR FOOT	110
603 (10-103)	103" X 71" CORRUGATED ALUMINUM PIPE ARCH	LINEAR FOOT	100
603 (21-12)	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	~~130~~ 156
603 (21-18)	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	~~320~~ 338
603 (21-24)	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	~~1610~~ 1765.5
603 (21-36)	36 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	~~630~~ 517
603 (21-42)	42 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	~~110~~ 108
604 (1A)	STORM SEWER MANHOLE, TYPE I	EACH	~~7~~ 8
604 (1B)	STORM SEWER MANHOLE, TYPE II	EACH	2
604 (3)	RECONSTRUCT EXISTING MANHOLE	EACH	~~11~~ 23
604 (4)	ADJUST EXISTING MANHOLE	EACH	~~27~~ 17
604 (5)	INLET, TYPE "A"	EACH	~~5~~ 6
604 (8A)	INLET OIL/WATER SEPARATOR	EACH	1
604 (8B)	TRENCH INLET	EACH	1
604 (9)	ADJUST EXISTING SANITARY SEWER VAULT LID	EACH	~~2~~ 0
608 (1a)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	~~210~~ 186.6
608 (1b)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARD YARD	~~10~~ 36.1
608 (3)	ASPHALT SIDEWALK	SQUARD YARD	~~8700~~ 9,412.8
608 (6)	CURB RAMP	EACH	2
609 (2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	~~420~~ 412
611 (1A)	RIPRAP, CLASS II	CUBIC YARD	~~300~~ 341.8

ESTIMATE OF QUANTITIES

ITEM NO	PAY ITEM	PAY UNIT	QUANTITY
611 (1B)	RIPRAP, CLASS III	CUBIC YARD	~~15000~~ 14,253.8
615 (1)	STANDARD SIGN	SQUARE FOOT	~~450~~ 532.3
618 (1)	SEEDING	ACRE	~~3.6~~ 4.4299
625 (1)	PIPE HAND RAIL	LINEAR FOOT	80
626 (3)	ADJUST EXISTING SS CLEANOUT	EACH	~~6~~ 2
627 (10)	ADJUSTMENT OF VALVE BOX	EACH	~~22~~ 32
631 (2)	GEOTEXTILE, EROSION CONTROL, CLASS 1	SQUARE YARD	~~10500~~ 13,795
635 (1)	INSULATION BOARD	MBM	~~12~~ 3.04
639 (3)	DRIVEWAY	EACH	~~156~~ 182
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641 (1)	EROSION AND POLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641 (3)	EROSION AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
641 (4)	TEMPORARY EROSION AND POLLUTION CONTROL AMENDMENTS	CONTINGENT SUM	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642 (3)	THREE PERSON SURVEY PARTY	HOUR	~~100~~ 21.34
642 (8)	ADJUST EXISTING MONUMENT	EACH	~~6~~ 3
643 (2)	TRAFFIC MAINENANCE	LUMP SUM	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643(15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
644 (1)	FIELD OFFICE	LUMP SUM	ALL REQUIRED
644 (6)	VEHICLES	LUMP SUM	ALL REQUIRED
660 (3)	HIGHWAY LIGHTING SYSTEM COMPLETE	LUMP SUM	ALL REQUIRED
662 (1)	POLE WRAP	EACH	~~28~~ 18
670 (8)	RECESSED PAVEMENT MARKER	EACH	~~140~~ 317
670(10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED
-	The following items were established by Change Order	-	-
- 202(4)	Removal and/Closure of Culvert Pipe	Lump Sum	All Required
- 306(1A)	ATB Price Reduction	Lump Sum	All Required
- 506(5)	Stair & Railing	Lump Sum	All Required
- 603(22)	Attempted Installation	Lump Sum	All Required
- 604(10)	Sewer Vault Reconstruction	Lump Sum	All Required
- 606(1)	Guardrail	Lump Sum	All Required
- 606(7)	Raising Existing Guardrail	Linear Foot	2,606.25
- 606(11M)	Replace ATR Detector Loops	Lump Sum	All Required
- 606(13)	Guardrail flair Paving	EACH	28
- 618(4)	Mulch for Seeding	Lump Sum	All Required
- 626(4)	Sewer force Main Realignment	Lump Sum	All Required
- 643(15A)	Extra flagging	Lump Sum	All Required
- 660(14)	Electrical Engineer Consultant Service	Lump Sum	All Required
- 660(15)	Power Pole Stabilization	Lump Sum	All Required
670(15)	Bike Path Striping	Lump Sum	All Required

C.O. #
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GENERAL NOTES:

1) THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING WASTE DISPOSAL AREAS. THEY ARE TO BE LOCATED OUTSIDE THE RIGHT-OF-WAY AND AT LOCATIONS APPROVED BY THE ENGINEER.

2) THE LOCATIONS OF EXISTING FEATURES AND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTORS SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AS NECESSARY TO COMPLETE THE WORK AND PRIOR TO EXCAVATION. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD SHALL BE RECORDED ON THE CONTRACTORS RECORD DRAWINGS. ENCOUNTERING UTILITIES AT LOCATIONS DIFFERENT THAN SHOWN SHALL NOT CONSTITUTE BASIS OF ADDITIONAL COMPENSATION TO THE CONTRACTOR.

CAUTION: THE LOCATIONS OF EXISTING UTILITIES SHOWN ON DRAWINGS ARE APPROXIMATE. THERE MAY ALSO BE ADDITIONAL UTILITIES NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING EXCAVATION:

WATER & WASTEWATER.....(907) 772-4760
AP&T.....(907) 772-3000
POWER & LIGHT.....(907) 772-4203
CATV.....(907) 772-3292

BASIS OF ESTIMATE

ITEM	PAY ITEM	ESTIMATING FACTOR
203(6A & 6C)	BORROW TYPE A & TYPE C	1.86 TON/CY
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	1.98 TONS/CY
306 (1)	ATB	117 LB/SY/IN
308 (2)	CSS-1 ASPHALT FOR BASE COURSE (4" DEPTH)	1.7 GAL/SY, 243 GAL/TON
308 (3)	PORTLAND CEMENT (4" DEPTH)	4.5 LB/SY
401 (1)	ASPHALT CONCRETE PAVEMENT, TYPE II, CLASS B	117 LB/SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	4.5% OF ITEM 306 (1), 6.0% OF ITEM 401 (1)
402 (1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY, 243 GAL/TON
641 (3)	TEMPORARY EROSION AND POLLUTION CONTROL	
	ROCK CHECK DAM	6 EACH
	SILT FENCE	500 FEET
	SEDIMENT BASIN PROTECTION	11 EACH

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: O:\Psg\68165\Planset\C_Est.dwg drdodge
PLOT: PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: C1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ESTIMATE OF QUANTITIES

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

ESTIMATE OF QUANTITIES

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
C1	89

202(1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS

REMOVAL OF CONCRETE

LINE	STATION	OFFSET	COMMENTS	AREA (SQ YD)
L1	51+50	LT	SHARLA SUE	40
L1	54+84	RT	DRIVE APPROACH	15
L1	58+24	RT	GARAGE ACCESS	18
L1	58+73	RT	U-SHAPED DRIVE	20
L1	61+15	RT	GARAGE ACCESS	46
L1	64+75	RT	PARKING	22
L1	66+45	RT	GARAGE ACCESS/PARKING	20
L1	68+61	RT	GARAGE ACCESS/PARKING	19
L1	69+43	RT	GARAGE ACCESS	37
L1	70+10	RT	DRIVE APPROACH	28
L1	71+67	RT	PARKING	6
L1	74+51	RT	DRIVE APPROACH	16
L1	91+75	RT	DRIVE APPROACH	36
L1	92+06	RT	DRIVE APPROACH	41
L1	94+20	RT	DRIVE APPROACH	66
L1	95+42	RT	DRIVE APPROACH	56
L1	96+36	RT	DRIVE APPROACH	65
L1	97+76	RT	DRIVE APPROACH	83
L1	98+60	RT	DRIVE APPROACH	46
L1	103+35	RT	DOT MAINTENANCE	43
L1	104+82	RT	DOT MAINTENANCE	119
L1	112+13	RT	DRIVE APPROACH	10
L1	116+81	RT	DRIVE APPROACH	21
L1	122+60	LT	DRIVE APPROACH	16
L1	123+20	LT	DRIVE APPROACH	10
L1	125+20	LT	DRIVE APPROACH	11
L1	127+75	LT	SUBSTATION	13
L1	128+10	LT	SUBSTATION	12
L1	124+15	LT	DRIVE APPROACH	12.00
			TOTAL (SQ YD)	948

SIDEWALK REMOVAL

LINE	FROM	TO	OFFSET	COMMENTS	SQ YD
L1	3+06.25	3+16.08	RT	FERRY TERMINAL EXIT	7.1
				TOTAL (SQ YD)	7.1

CURB AND GUTTER REMOVAL

LINE	FROM	TO	OFFSET	COMMENTS	LF
L1	3+05.76	3+26.35	RT	FERRY TERMINAL EXIT	31
				TOTAL (LF)	31

INLET REMOVAL

LINE	STATION	OFFSET		COMMENTS	QUANTITY
		LEFT	RIGHT		
L1	3+24		24	CURB INLET	1
L1	11+79	31		30" CMP STANDING ON END	1
L1	13+42	31		* 30" CMP STANDING ON END	1
L1	59+45		30		1
L1	60+36		26	PRIVATE INSTALLATION	1
L1	69+25		24	30" CMP STANDING ON END	1
L1	134+20		31		1
				TOTAL (EA)	7

JAPANESE KNOTWEED

LINE	STATION	OFFSET	AREA (SQ FT)	COMMENTS
L1	78+10	RIGHT	700	

CULVERT REMOVAL SUMMARY

LINE	APPROX. STA.	SIZE (IN)	LENGTH (FT)	COMMENTS
L1	2+50 RT TO 3+25 RT	12"	75	CUT EXISTING CPP FOR MATCH WITH P-1 TO AVOID REMOVAL OR DAMAGE TO CURB AND GUTTER. FROM S-2 TO EXISTING
L1	5+88	72" x 48"	90	CATALOGED FISH STREAM
L1	9+42	24"	77	INLET TO OUTLET
L1	11+85	24"	66	FROM S-3 TO S-4
L1	13+45	24"	65	FROM S-5 TO S-6
L1	16+46	24"	80	INLET TO S-7
L1	19+37	24"	62	INLET TO OUTLET
L1	22+34	24"	104	INLET TO OUTLET
L1	22+55 LT	18"	38	LEFT DRIVEWAY
L1	30+05	24"	56	INLET TO OUTLET
L1	36+12	24"	64	INLET TO OUTLET
L1	44+24	24"	54	INLET TO OUTLET
L1	47+43	24"	62	INLET TO OUTLET
L1	55+58	24"	63	INLET TO OUTLET
L1	57+37	24"	74	INLET TO OUTLET
L1	57+59	12"	26	ABANDON IN PLACE
L1	58+25 RT	18"	31	RT DRIVEWAY , ABANDON IN PLACE
L1	58+75 RT	18"	23	RT DRIVEWAY , ABANDON IN PLACE
L1	60+22 RT	12"	38	RT DRIVEWAY
L1	61+08	36"	118	INLET TO S-13
L1	63+42	24"	59	INLET TO OUTLET
L1	69+27	24"	67	*SEAL AND ABANDON IN PLACE
L1	77+93	58" x 36"	77	INLET TO OUTLET
L1	83+60	42"	90	CATALOGED FISH STREAM
L1	86+74	24"	58	INLET TO OUTLET
L1	95+42 RT	18"	40	RT DRIVEWAY
L1	96+36 RT	18"	40	RT DRIVEWAY
L1	97+75 RT	18"	61	RT DRIVEWAY
L1	98+60 RT	18"	55	RT DRIVEWAY
L1	103+23	24"	60	INLET TO OUTLET
L1	105+81	24"	86	S-16 TO OUTLET
L1	106+12 LT	18"	38	LT DRIVEWAY
L1	107+62	42"	85	CATALOGED FISH STREAM
L1	117+91	24"	NA	SEAL AND ABANDON IN PLACE
L1	119+00 RT	18"	87	SCOW BAY LOOP RD
L1	121+54	36"	108	INLET TO OUTLET
L1	125+54	36"	78	INLET TO OUTLET
L1	129+48	24"	60	INLET TO OUTLET
L1	131+87	24"	54	INLET TO OUTLET
L1	132+21 RT	24"	35	RT DRIVEWAY
L1	134+19	24"	63	INLET TO S-18
L1	136+70	36"	54	INLET TO S-19
L2	130+31	18"	40	LT DRIVEWAY
		TOTAL	2661	

* PIPE IS SUBJECTED TO TIDAL INFLUENCE. SEAL INLET AND OUTLET. PROPERTY OWNER HAS INSERTED SLEEVE INTO OUTLET.

GUARDRAIL REMOVAL SUMMARY

LINE	FROM	TO	OFFSET	COMMENTS	LENGTH (FT)
L1	5+23	6+99	RT		165
L1	18+43	30+71	RT		1238
L1	30+89	34+17	RT		326
L1	34+42	53+67	RT		1931
L1	54+00	54+48	RT		50
L1	82+15	84+15	RT		202
L1	89+27	91+59	RT		239
DELIVER MATERIALS TO DOT/PF MAINTENANCE				TOTAL (FT)	4151

REMOVAL OF PAVEMENT

APPROXIMATELY 3800 SY THROUGHOUT PROJECT

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
O:\Proj\68165\Planset\D_Sums.dwg
drdodge
PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: D1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

MISCELLANEOUS SUMMARIES

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

MISCELLANEOUS SUMMARIES

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
D1	89

CULVERT INSTALLATION SUMMARY

PIPE	*INLET STATION L1	APPROX. OFFSET (ft)		APPROX. INVERT	OUTLET STATION L1	OFFSET (ft)		APPROX. INVERT	LENGTH (ft)	SIZE	REMARKS	APPROX. GRADE
P-1	3+31.57	21.05	RIGHT	21.90	2+50.00	21.97	RIGHT	19.80	~~32.0~~ 27.5	12" CPP	S-1 TO MATCH EXISTING 12" CPP	2.56%
P-2	5+87.20	44.78	LEFT	10.90	5+90.21	54.60	RIGHT	10.20	100.0	87"W x 63"H	CAPA (FISH STREAM/SKYLARK CR)	0.70%
P-3	6+54.13	18.73	RIGHT	24.50	6+48.82	31.13	RIGHT	24.25	13.5	12" CPP	S-2 TO OUTLET	1.85%
P-4	9+32.33	29.53	LEFT	22.10	9+53.10	43.51	RIGHT	20.75	~~77.0~~ 76.0	24" CPP	INLET TO OUTLET	1.75%
P-5	11+79.08	30.14	LEFT	21.00	11+89.97	27.82	RIGHT	16.00	~~65.0~~ 60.0	24" CPP	S-3 TO S-4	7.69%
P-6	13+42.97	30.63	LEFT	17.15	13+47.02	32.35	RIGHT	14.00	~~64.0~~ 63.5	24" CPP	S-5 TO S-6	4.92%
*P-7	16+43.15	34.91	LEFT	16.50	16+50.39	42.64	RIGHT	10.95	~~85.0~~ 80.0	24" CPP	INLET TO S-7	6.31%
*P-8	19+41.39	29.41	LEFT	22.90	19+31.97	44.12	RIGHT	20.25	~~86.0~~ 80.0	24" CPP	INLET TO OUTLET	3.12%
P-9A	22+34.44	64.82	LEFT	19.80	22+34.34	34.81	LEFT	18.55	~~30.0~~ 32.0	36" CPP	INLET TO F-8 TEE	4.17%
P-9B	22+34.34	34.81	LEFT	18.55	22+34.06	53.82	RIGHT	14.80	89.0	36" CPP	F-8 TEE TO OUTLET	4.21%
P-10	22+73.53	34.22	LEFT	24.00	22+34.34	34.81	LEFT	19.30	~~39.0~~ 40.0	18" CPP	INLET TO F-8 TEE	12.05%
*P-11	30+06.48	27.42	LEFT	24.30	30+03.03	44.66	RIGHT	20.45	~~82.0~~ 76.0	24" CPP	INLET TO OUTLET	4.70%
*P-12	36+10.60	26.57	LEFT	21.55	36+13.23	49.00	RIGHT	16.40	~~85.0~~ 76.0	24" CPP	INLET TO OUTLET	6.06%
*P-13	44+23.22	27.26	LEFT	25.75	44+24.33	43.86	RIGHT	21.05	~~51.0~~ 77.0	24" CPP	INLET TO OUTLET	5.80%
*P-14	47+43.12	25.19	LEFT	26.00	47+44.20	47.77	RIGHT	21.80	~~67.0~~ 79.0	24" CPP	INLET TO OUTLET	4.83%
*P-15	52+21.41	25.44	LEFT	27.50	52+21.68	47.01	RIGHT	23.00	~~83.0~~ 80.0	24" CPP	INLET TO OUTLET	5.42%
*P-16	55+60.63	25.71	LEFT	22.55	55+54.04	45.47	RIGHT	20.50	~~82.0~~ 85.0	24" CPP	INLET TO OUTLET	2.50%
*P-17	57+35.69	26.90	LEFT	21.30	57+39.25	47.12	RIGHT	19.40	85.0	24" CPP	INLET TO OUTLET	2.24%
P-18	60+46.57	35.00	RIGHT	24.80	60+08.18	39.44	RIGHT	24.30	27.0	12" CPP	S-11 TO OUTLET	1.85%
P-19A	61+35.14	81.62	LEFT	23.50	61+63.30	29.87	LEFT	22.30	~~59.0~~ 54.0	36" CPP	INLET TO S-12	2.02%
P-19B	61+63.30	29.87	LEFT	19.80	61+65.05	82.81	RIGHT	18.70	~~105.0~~ 113.0	36" CPP	S-12 TO OUTLET	1.05%
*P-20	63+44.47	26.46	LEFT	27.00	63+39.68	35.80	RIGHT	26.00	74.0	24" CPP	INLET TO OUTLET	1.35%
P-21	69+28.74	25.56	LEFT	27.00	69+23.84	40.77	RIGHT	25.00	~~67.0~~ 53.0	24" CPP	INLET TO S-13	2.99%
P-22	77+92.50	30.10	LEFT	25.45	77+95.09	46.74	RIGHT	19.60	~~77.0~~ 80.0	57"W x 38"H	CAPA	7.50%
P-23	83+62.64	43.28	LEFT	22.40	83+57.98	61.54	RIGHT	18.50	~~105.0~~ 110.0	95"W x 62"H	CAPA (FISH STREAM)	5.62%
*P-24	86+70.62	22.01	LEFT	36.00	86+81.14	43.76	RIGHT	33.50	77.0	24" CPP	INLET TO OUTLET	3.25%
P-25	95+20.98	35.33	RIGHT	57.00	95+60.98	35.34	RIGHT	56.60	~~40.0~~ 52.0	18" CPP	DRIVEWAY	1.00%
P-26	96+22.12	35.36	RIGHT	55.65	96+61.91	35.38	RIGHT	54.85	~~40.0~~ 50.0	18" CPP	DRIVEWAY	2.00%
P-27A	97+51.42	35.41	RIGHT	52.30	97+65.90	29.38	RIGHT	51.90	16.0	18" CPP	INLET TO F-14 ELBOW	2.50%
P-27B	97+65.90	29.38	RIGHT	51.90	98+81.01	29.65	RIGHT	48.70	~~118.0~~ 117.0	18" CPP	F-14 ELBOW TO F-15 ELBOW	2.76%
P-27C	98+81.01	29.65	RIGHT	48.70	98+99.04	37.16	RIGHT	48.10	20.0	18" CPP	F-15 ELBOW TO OUTLET	3.00%
P-28	103+26.85	23.90	LEFT	33.20	103+12.98	44.33	RIGHT	29.50	80.0	24" CPP	INLET TO OUTLET	4.63%
*P-29	105+98.50	27.90	LEFT	24.00	105+52.63	44.89	RIGHT	23.00	~~87.0~~ 80.0	24" CPP	S-16 TO OUTLET	1.15%
P-30	107+86.92	36.16	LEFT	18.20	107+33.17	45.93	RIGHT	16.30	~~98.2~~ 100.0	103"W x 71"H	CAPA (FISH STREAM)	1.93%
~~P-31~~	~~117+84.31~~	~~36.72~~	~~LEFT~~	~~35.00~~	DELETED		~~RIGHT~~	~~34.46~~	~~112.0~~	~~36" CPP~~	~~INLET TO OUTLET~~	~~0.80%~~
~~P-32~~	~~118+68.97~~	~~44.61~~	~~RIGHT~~	~~34.36~~	DELETED		~~RIGHT~~	~~33.76~~	~~~~370.0~~ 90.0~~	~~36" CPP~~	~~SCOW BAY LOOP CROSSING~~	~~3.33%~~
P-33	121+38.19	42.08	LEFT	18.50	121+76.21	55.49	RIGHT	10.30	108.0	42" CPP	INLET TO OUTLET	7.59%
P-34	125+51.91	36.97	LEFT	19.00	125+55.93	40.08	RIGHT	15.50	78.0	36" CPP	INLET TO OUTLET	4.49%
P-35	129+51.89	22.89	LEFT	21.00	129+42.51	36.57	RIGHT	18.00	~~78.0~~ 78.0	24" CPP	INLET TO OUTLET	4.29%
*P-36	131+86.29	23.63	LEFT	20.00	131+94.53	38.74	RIGHT	19.20	~~73.0~~ 61.0	24" CPP	INLET TO S-17	1.10%
~~*P-37~~	~~132+34.64~~	~~34.72~~	~~RIGHT~~	~~21.50~~	DELETED		~~RIGHT~~	~~20.30~~	~~42.0~~	~~18" CPP~~	~~INLET TO S-17~~	~~3.57%~~
*P-38	134+17.58	22.61	LEFT	20.00	134+20.78	39.60	RIGHT	19.50	~~73.0~~ 57.0	24" CPP	INLET TO S-18	0.68%
*P-39	136+70.26	25.72	LEFT	20.50	136+73.22	27.61	RIGHT	19.60	~~64.0~~ 55.0	36" CPP	INLET TO S-19	1.41%
P-40	136+73.22	27.61	RIGHT	19.40	136+73.21	35.44	RIGHT	19.20	~~8.0~~ 7'	36" CSP	S-19 TO MATCH EXISTING	2.50%
	L2											
P-41	130+55.20	23.66	LEFT	44.70	130+15.21	24.36	LEFT	44.00	40.0	24" CPP	DRIVEWAY	1.75%
P-42	117+84	36.72	LEFT	35.00	117+84	29.9	RIGHT	34.46	~~68~~ 70.0	24"CPP	Adjust in field to fit	0.8%
P-43	117+84	29.00	RIGHT	34.36	118+44	37.82	RIGHT	33.76	~~60~~ 76.0	24"CPP	" " " " "	1%
P-44	118+68	44.6	RIGHT	30.7	119+55	48.2	RIGHT	29.60	~~95~~ 102.5	24"CPP	" " " " "	1%
P-45	106+14	40	LEFT		105+92.5	26.4	LEFT	24.1	~~40~~ 43.0	18"CPP	" " " " "	
P-46	121+38	40	LEFT		121+38	46	LEFT	42.0	6'	36"CPP	Extend exist. 36"CSP	
P-47	60+34		RIGHT		60+34		RIGHT		22'	12" CPP	Adj in field to fit	
P-48	60+11		RIGHT		60+11		RIGHT		66'	12" CPP	" " " " "	

627 (10) ADJUSTMENT OF VALVE BOX

LINE	STATION	OFFSET	REMARKS	QUANTITY (EA)
L1	3+15.82	27.54 RT	IN SIDEWALK	1
L1	3+59.54	26.63 RT		1
L1	3+91.76	25.90 RT		1
~~L1~~	~~8+69.91~~	DELETED	~~IN HWY~~	~~1~~
~~L1~~	~~12+24.27~~	DELETED	~~IN HWY~~	~~1~~
L1	30+88.23	22.24 RT	IN PATH	1
L1	34+38.21	21.05 RT		1
L1	79+03.90	33.71 RT		1
L1	94+31.40	16.62 LT		1
L1	98+00.38	35.14 RT		1
L1	98+30.51	34.59 RT		1
L1	108+12.36	8.02 LT	IN HWY	1
L1	108+16.16	12.09 LT	IN HWY	1
L1	112+05.32	17.26 LT		1
L1	113+49.21	17.13 LT		1
L1	126+85.58	14.43 LT		1
L1	130+14.43	5.43 RT	IN HWY	1
L1	130+18.69	9.68 LT	IN HWY	1
L1	137+38.13	14.59 LT	IN HWY	1
L1	137+49.03	14.58 LT	IN HWY	1
L2	126+35.46	16.67 LT		1
L2	135+40.17	18.95 LT	APPROACH	1
			TOTAL	22

203 (19) DITCH RECONDITIONING

FROM STATION	TO STATION	OFFSET	LENGTH (FT)
~~6+25~~	~~6+50~~ DELETED	~~RT~~	~~25~~
~~6+80~~	~~7+30~~ DELETED	~~LT~~	~~50~~
17+25	19+75	LT	250
34+00	53+50	LT	~~1950~~ 1,811
~~55+50~~	~~57+25~~ DELETED	~~RT~~	~~175~~
57+40	~~59+25~~ 59+55	LT	~~285~~ 215
~~58+75~~	~~61+00~~ DELETED	~~RT~~	~~325~~
~~72+00~~	~~72+50~~ DELETED	~~RT~~	~~50~~
75+25	82+75	LT	~~750~~ 684
85+00	91+50	LT	~~650~~ 544
~~93+80~~	94+70	RT	~~450~~ 178
~~173+75~~	~~175+00~~ DELETED	~~LT~~	~~125~~
62+00	63+00	LT	~~4985~~ 100
		Total =	3782'
		STATIONS	~~99~~ 37.82

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: Q:\Proj\68165\Planset\D_Sums.dwg drdodge

PLOT: PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: D2

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

MISCELLANEOUS SUMMARIES

DESIGNED BY: D. LESTER

STATE OF ALASKA 7/19/05 PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER

4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION– SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

MISCELLANEOUS SUMMARIES

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
D2	89

604 (4) ADJUST EXISTING MANHOLE (?)

Manholes lined out became "Reconstructs"

LINE	STATION	OFFSET	REMARKS	QUANTITY
~~L1~~	~~4+81~~	~~6.43 RT~~	~~SS~~	~~See 1-604(3)~~
~~L1~~	~~6+64~~	~~3.70 RT~~ LT	~~SS~~	~~1~~
~~L1~~	~~7+49~~	~~6.88 RT~~	~~SS~~	~~1~~
~~L1~~	~~8+54~~	~~18.05 RT~~	~~SS~~	~~1~~
L1	11+72	12.34 RT	SS	1
~~L1~~	~~14+78~~	~~23.66 RT~~	~~SS~~	~~1~~
L1	18+22	16.88 RT	SS	1
~~L1~~	~~19+27~~	~~9.62 RT~~	~~SS~~	~~1~~
L1	20+48	11.72 RT	SS	1
L1	24+53	13.74 RT	SS	1
~~L1~~	~~59+82~~	~~21.35 RT~~	~~SS~~	~~1~~
~~L1~~	~~62+06~~	~~21.11 RT~~	~~SS~~	~~1~~
~~L1~~	~~68+43~~	~~21.64 RT~~	~~SS~~	~~1~~
L1	71+56	24.45 RT	SS	1
L1	84+05	20.06 RT	SS	1
~~L1~~	~~85+93~~	~~26.14 RT~~	~~SS~~	~~1~~
~~L1~~	~~91+66~~	~~27.29 RT~~	~~SS~~	~~1~~
L1	94+26	30.20 RT	SS	1
~~L1~~	~~96+42~~	~~29.61 RT~~	~~SS~~	~~1~~
L1	97+67	25.80 RT	SS	1
~~L1~~	~~103+39~~	~~21.87 RT~~	~~SS~~	~~1~~
L1	118+08	27.65 RT	SS	1
L1	119+71	26.94 LT	SS	1
L1	124+14	19.60 LT	SS	1
L1	126+13	19.18 LT	SS	1
L1	137+83	15.60 RT	SS	1
L2	116+64	27.49 LT	SS	1
			TOTAL	27

604 (3) RECONSTRUCT EXISTING MANHOLE (?)

LINE	STATION	OFFSET	REMARKS	QUANTITY
L1	9+54	26.14 RT	SS	1
~~L1~~	~~54+37~~	~~30.65 RT~~	~~SS~~ DELETED	~~1~~
L1	65+28	21.66 RT	SS	1
L1	72+33	20.31 RT	SS	1
L1	75+24	29.47 RT	SS	1
L1	78+12	24.47 RT	SS	1
L1	81+60	27.79 RT	SS	1
L1	89+49	29.95 RT	SS	1
L1	90+56	32.46 RT	SS	1
L1	99+78	25.64 RT	SS	1
L1	107+32	26.72 RT	SS	1

604(3) Additional Reconstruct Manholes

Line	Station	Offset	Remarks	Quantity
L1	4+81	6.4 Rt	Originally an Adjust	1
L1	6+64	3.7 Rt.	Originally an Adjust	1
L1	7+49	6.9 Rt.	Originally an Adjust	1
L1	8+54	18.0 Rt.	Originally an Adjust	1
L1	14+78	23.7 Rt.	Originally an Adjust	1
L1	19+27	9.6 Rt.	Originally an Adjust	1
L1	59+82	21.4 Rt.	Originally an Adjust	1
L1	62+06	21.1 Rt.	Originally an Adjust	1
L1	68+43	21.6 Rt.	Originally an Adjust	1
L1	85+93	26.1 Rt.	Originally an Adjust	1
L1	91+66	27.3 Rt.	Originally an Adjust	1
L1	96+42	29.6 Rt.	Originally an Adjust	1
L1	103+39	21.87 Rt.	Originally an Adjust	1
L1	10+13	Rt.	MH for water meter	1
L1	62+90	Lt.	Exist. Water line Valve	1

514 (1) ROCKERY WALLS ✓

NO.	FROM STATION (L1)	OFFSET (RT)	TO STATION (L1)	OFFSET (RT)	LENGTH (FT)	AVG HEIGHT (FT)	AREA (SQ YD)	DESCRIPTION
1	10+31.53	34.32	10+67.53	34.28	36	2.50	10	
~~2~~	~~63+67.55~~	~~34.83~~	~~64+32.55~~	~~34.61~~	~~65~~	~~3.00~~	~~22~~	Path moved next to road. Wall eliminated
~~3~~	~~65+23.00~~	~~34.04~~	~~65+63.00~~	~~33.84~~	~~40~~	~~3.25~~	~~14~~	"
~~4~~	~~74+74.00~~	~~40.94~~	~~76+96.52~~	~~41.83~~	~~133~~	~~2.25~~	~~33~~	"
~~5~~	~~77+52.41~~	~~42.38~~	~~78+29.41~~	~~42.78~~	~~77~~	~~3.00~~	~~26~~	"
~~6~~	~~90+62.43~~	~~38.86~~	~~91+15.96~~	~~35.93~~	~~57~~	~~2.66~~	~~13~~	"
						TOTAL (SQ YD)	118	

AREA IS ROCKERY FACE CALCULATED FROM EMBEDMENT DEPTH TO TOP OF WALL

604 DRAINAGE STRUCTURE SUMMARY ✓

STRUCTURE NO.	STATION (L1)	OFFSET (FT)	STRUCTURE FUNCTION	STRUCTURE TYPE	GRATE ELEV.	REMARKS
S-1	3+31.60	RT 20.96	INLET	TYPE A	24.90	STANDARD CURB INLET
S-2	6+53.89	RT 18.78	INLET	TYPE A	26.90	OIL/WATER SEPARATOR
~~S-3~~	~~11+78.89~~	~~LT 31.12~~	~~INLET~~	~~TYPE A~~	Deleted	~~FIELD INLET FRAME AND GRATE~~
S-4	11+89.97	RT 27.82	INLET	TYPE I	24.50	SOLID MANHOLE LID
~~S-5~~	~~13+42.96~~	~~LT 31.63~~	~~INLET~~	~~TYPE A~~	~~21.00~~	FIELD INLET FRAME AND GRATE Deleted
S-6	13+47.02	RT 32.35	INLET	TYPE I	23.25	SOLID MANHOLE LID
S-7	16+50.39	RT 42.64	INLET	TYPE I	24.70	SOLID MANHOLE LID
F-8	22+34.34	LT 34.81	FITTING	36"x18" TEE		
S-9	58+24.53	RT 34.19	TRENCH INLET	NEENAH R-4995-A2	34.15	
S-10	59+45.65	RT 30.31	INLET	TYPE A	26.50	FIELD INLET FRAME AND GRATE
S-11	60+33.84	RT 29.19	INLET	TYPE A	26.50	FIELD INLET FRAME AND GRATE
S-12	61+63.30	LT 23.78	SDMH	TYPE II	30.20	SOLID MANHOLE LID
S-13	69+23.84	RT 40.66	INLET	TYPE I	29.00	FIELD INLET FRAME AND GRATE
F-14	97+65.90	RT 29.38	FITTING	22.5° ELBOW, 18" DIA		
F-15	98+81.01	RT 29.65	FITTING	22.5° ELBOW, 18" DIA		
S-16	105+98.50	LT 27.90	INLET	TYPE I	27.50	FIELD INLET FRAME AND GRATE
S-17	131+94.53	RT 38.74	INLET	TYPE I	25.60	*CATCH BASIN INLET FRAME AND GRATE
S-18	134+20.78	RT 39.60	INLET	TYPE I	24.10	*CATCH BASIN INLET FRAME AND GRATE
S-19	136+73.22	RT 27.61	INLET	TYPE II	25.30	*CATCH BASIN INLET FRAME AND GRATE
S-20	117+84	29.9 Rt.	INLET	Type I		
S-21	118+65	40.0 Rt.	INLET	Type A		* NEENAH R-3339-A OR EQUIVALENT
S-22	60+11	33.0 Rt.	INLET	Type A		

626 (3) ADJUSTMENT OF SS CLEANOUT ✓

LINE	STATION	OFFSET	REMARKS	QTY (EA)
L1	11+78	26.43 RT	Adjusted	1
L1	75+76	42.11 RT	ROCKERY WALL	Not necessary
~~L1~~	~~97+87~~	~~36.01 RT~~	~~Non-Existent~~ DRIVEWAY	~~1~~
~~L1~~	~~98+41~~	~~33.75 RT~~	~~Non-Existent~~	~~1~~
~~L1~~	~~98+81~~	~~33.68 RT~~	~~Non-Existent~~	~~1~~
L1	103+29	33.63 RT	DRIVEWAY	Not necessary
L1	13+43	30' Rt	Adjusted	1
			TOTAL	6

642 (8) ADJUST EXISTING MONUMENT ✓

LINE	STATION	OFFSET	REMARKS	QUANTITY
L1	2+56.83	0.30 LT	HWY CL	1
L1	2+94.61	0.15 LT	HWY CL	1
L1	3+32.83	0.01 LT	HWY CL	1
L2	121+32.52	13.58 LT	IN HWY	1
L2	133+74.50	13.21 LT	IN HWY	1
L2	143+65.20	12.65 RT	IN HWY	1
			TOTAL	6

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: D:\Psg\68165\Planset\D_Sums.dwg drdodge
PLOT: PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: D3

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

MISCELLANEOUS SUMMARIES

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

MISCELLANEOUS SUMMARIES

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
D3	89

DRIVEWAY SUMMARY

No.	LINE	STATION	OFFSET LT.	OFFSET RT.	WIDTH (FT)	WIDTH (FT) AT SAWCUT
1	L1	3+94	X			~~16~~ 32
2	L1	4+18		X	~~20~~ 14	
3	L1	4+67	X			~~20~~ 16
4	L1	5+40	X		~~15~~ 29	
5	L1	6+70	X			~~24~~ 39
6	L1	~~7+31~~ 7+46		X	~~15~~ 24	
7	L1	~~8+03~~ 8+16		X	~~12~~ 24	
8	L1	8+26	X			~~16~~ 14
9	L1	~~8+79~~ 8+80		X	20 24	
10	L1	8+96	X			~~16~~ 17
11	L1	~~9+26~~ 9+39		X	18 24	
12	L1	10+11	X			~~16~~ 24
13	L1	10+14		X	~~20~~ 21	
14	L1	~~10+58~~ 10+29	X		~~14~~ 61	
~~15~~	~~L1~~	~~11+23~~	~~X~~	DELETED	~~23~~	
16	L1	11+54		X	20	
17	L1	11+61	X			~~20~~ 22
18	L1	12+07	X			~~16~~ 11
19	L1	12+60	X			~~16~~ 39
20	L1	12+64		X	~~13~~ 14	
21	L1	13+22		X	~~20~~ 21	
22	L1	13+26	X		~~16~~ 18	
23	L1	13+95	X			~~16~~ 19
24	L1	~~14+34~~ 13+80		X	~~20~~ 11	
25	L1	14+87	X			~~16~~ 18
26	L1	14+88		X	~~20~~ 17	
27	L1	15+45	X			~~16~~ 19
28	L1	15+87	X			~~16~~ 26
29	L1	15+93		X	20	
30	L1	16+40		X	14	
31	L1	16+79	X			~~20~~ 17
32	L1	17+25	X		~~16~~ 19	
33	L1	18+30		X	~~20~~ 13	
34	L1	19+74	X			~~20~~ 18
~~35~~	~~L1~~	~~20+68~~	~~X~~	DELETED	~~20~~	
36	L1	22+12	X			~~20~~ 24
37	L1	22+63	X			~~20~~ 13
39	L1	24+18	X			~~24~~ 36
40	L1	27+96	X			~~40~~ 43
41	L1	~~30+86~~ 30+23		X	~~12~~ 26	
42	L1	~~34+27~~ 34+25		X	~~18~~ 32	
43	L1	47+12	X		~~16~~ 14	
44	L1	51+52	X			~~80~~ 20
45	L1	~~51+75~~ 54+64	X	X	12	18
46	L1	58+25		X	~~20~~ 30	
47	L1	58+73		X	~~40~~ 12	
48	L1	59+78	X			16
49	L1	60+22		X	14	
50	L1	60+98	X		12	
51	L1	61+33		X	~~36~~ 58	
52	L1	62+92	X			24
53	L1	63+52		X	~~13~~ 18	
54	L1	65+71		X	12	
55	L1	65+95	X			24
56	L1	66+52		X	~~20~~ 29	
57	L1	67+40		X	18	
58	L1	68+61		X	16	
59	L1	69+43		X	20	
60	L1	70+06		X	14	
61	L1	70+96		X	~~15~~ 16	

(59)

DRIVEWAY SUMMARY

No.	LINE	STATION	OFFSET LT.	OFFSET RT.	WIDTH (FT)	WIDTH (FT) AT SAWCUT
62	L1	72+36	X			20
63	L1	73+05		X	12	
64	L1	73+46	X			~~15~~ 16
65	L1	74+51		X	~~19~~ 16	
66	L1	76+22		X	16	
67	L1	76+61		X	12	
68	L1	77+63	X			20
69	L1	79+32		X	~~24~~ 43	
70	L1	80+16		X	16	
71	L1	81+00		X	~~24~~ 28	
72	L1	81+86		X	24	
73	L1	82+89	X		12	
74	L1	84+74		X	16	
75	L1	84+81	X			~~43~~ 14
76	L1	85+21		X	~~14~~ 16	
77	L1	85+76	X			16
78	L1	87+18		X	~~14~~ 16	
79	L1	88+33 Sheet 4	X			~~16~~ 24
80	L1	89+06		X	20	
81	L1	89+62	X			24
82	L1	91+75		X	14	
83	L1	92+04		X	16	
84	L1	93+21	X			~~24~~ 22
85	L1	94+28	X			24
86	L1	95+42		X	~~16~~ 20	
87	L1	96+38		X	18	
88	L1	96+41	X		~~24~~ 25	
89	L1	~~97+76~~ +83		X	24	
90	L1	98+60		X	34 ~~+20~~	
91	L1	102+31	X			~~16~~ 21
92	L1	103+04	X			~~14~~ 20
93	L1	103+35		X	18	
94	L1	103+95	X			~~12~~ 13
95	L1	104+82		X	~~24~~ 55	
96	L1	106+14	X		~~14~~ 18	
97	L1	106+43		X	14	
98	L1	107+52	X			~~24~~ 23
99	L1	110+56 Sheet 5	X			~~18~~ 23
100	L1	112+12	X			~~16~~ 28
101	L1	112+15		X	18	
102	L1	113+38	X			~~16~~ 19
103	L1	113+58		X	24	
104	L1	115+47	X		14	5
105	L1	~~116+82~~ 115+01		X		24
106	L1	118+09		X	~~15~~ 24	
107	L1	119+25	X		14	
108	L1	119+64	X		~~14~~ 20	
109	L1	122+58	X			~~21~~ 19
110	L1	123+21	X			~~16~~ 12
111	L1	124+15	X			~~18~~ 17
112	L1	125+19	X			~~16~~ 18
113	L1	126+09	X		~~12~~ 15	
114	L1	126+89	X		20	
115	L1	127+77	X			~~20~~ 15
116	L1	128+10	X			~~20~~ 21
117	L1	130+21	X		~~16~~ 11	
118	L1	130+31		X		~~24~~ 46
119	L1	132 ~~+21+97~~		X		~~24~~ 28
120	L1	132+27	X			~~24~~ 41
121	L1	136+03		X		~~60~~ 83

(60)

DRIVEWAY SUMMARY

No.	LINE	STATION	OFFSET LT.	OFFSET RT.	WIDTH (FT)	WIDTH (FT) AT SAWCUT
122	L2	116+70 Sheet 4	X		~~18~~ 18	
123	L2	117+84		X		~~34~~ 35
124	L2	118+85	X			~~34~~ 29
125	L2	122+85	X		~~19~~ 28	
126	L2	123+93		X		~~22~~ 25
127	L2	123+94	X			~~34~~ 20
128	L2	125+76	X			~~24~~ 16
129	L2	125+77		X		~~34~~ 28
130	L2	126+66		X		~~60~~ 54
131	L2	130+34	X			~~24~~ 30
132	L2	130+62		X		~~34~~ 41
133	L2	131+50	X			~~34~~ 26
134	L2	133+25		X		~~34~~ 47
135	L2	134+24	X			~~34~~ 27
136	L2	135+24		X		~~34~~ 41
137	L2	135+48	X			~~34~~ 30
138	L2	136+56	X		~~14~~ 16	
139	L2	137+20		X		~~26~~ 75
140	L2	137+89	X			~~28~~ 21
141	L2	139+31 Sheet 5		X		~~34~~ 49
142	L2	142+25	X			~~34~~ 20
143	L2	143+25		X	14	
144	L2	143+65		X	24	
145	L2	143~~+78~~ +00	X			~~28~~ 24
146	L2	147+93		X	20	
147	L2	148+97		X	~~23~~ 24	
148	L2	149+81	X		~~18~~ 26	
149	L2	150+74	X		~~15~~ 27	
150	L2	150+76		X	24	
151	L2	159+40	X			~~28~~ 21
152	L2	162+55	X		~~18~~ 17	
153	L2	164+77	X		~~16~~ 20	
154	L2	167+08	X		~~14~~ 20	
155	L2	171+66	X			~~38~~ 16
156 163	L2	173+54	X			~~34~~ 25
	L1	2+75		X		55
	L1	105+54	Lt		~~24~~ 19	
	L1	7+60	Lt		31	
	L1	57+15	Lt		20	
	L1	60+90	Lt		24	
	L1	68+50	Lt		26	
	L1	71+50	Lt		33	
	L1	71+71		Rt	33	
	L1	75+12	Lt		19	
	L1	78+10	Lt		21	
	L1	91+67	Lt		29	
	L1	99+25	Lt		33	
	L1	108+10		Rt	23	
	L1	119+00		Rt	22	
	L1	129+07	Lt		27	
	L1	94+22		Rt	19	
	L1	63+00		Rt	16	
	L1	64+68		Rt	49	
	L1	11+16		Rt	17	
	L1	4+80		Rt	19	
	L2	119+26		Rt	14	
	L2	125+05		Rt	15	
	L2	128+05		Rt	30	
	L2 12	128~~+83~~ 191+40		Rt Rt	84 100	
	L2	152+24	Lt		14	
	L2	160+00		Rt	128	

(63)

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: O:\Psg\68165\Planset\D_Sums.dwg drdodge

PLOT: PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: D4

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

MISCELLANEOUS SUMMARIES

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER

4/5/05

CHECKED BY: P. BEDNAROWICZ

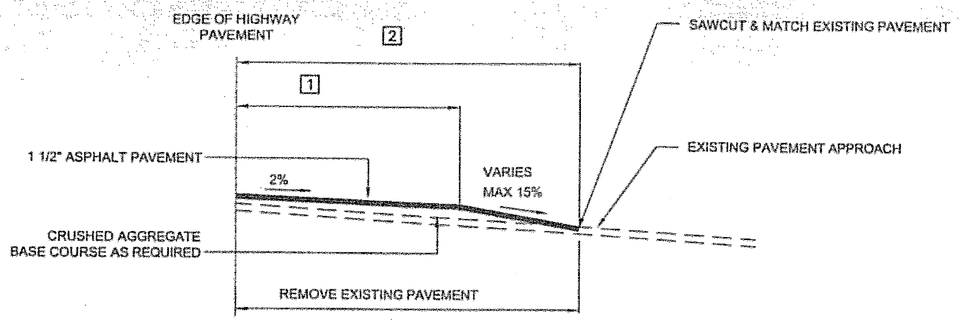
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

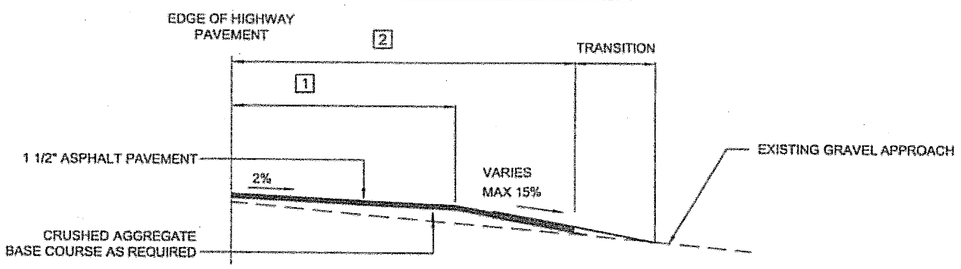
MISCELLANEOUS SUMMARIES

PROJECT DESIGNATION NUMBER
68165 - 68242

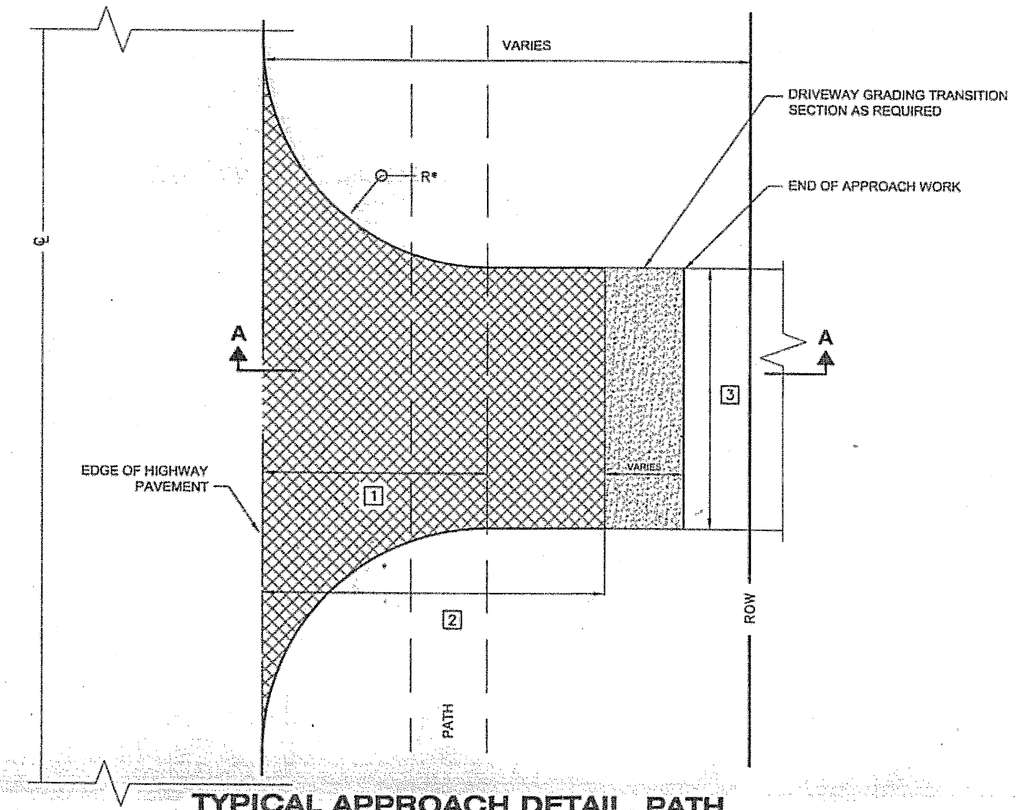
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
D4	89



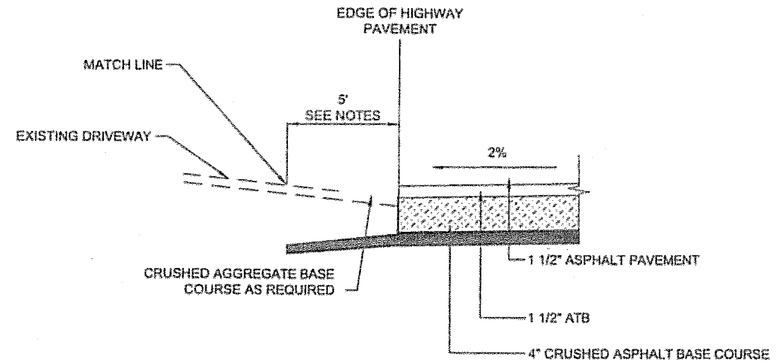
SECTION A-A (PAVEMENT)



SECTION A-A (GRAVEL)



TYPICAL APPROACH DETAIL, PATH



TYPICAL APPROACH DETAIL, NO PATH

NOTES:

1. SAWCUT AND REMOVE EXISTING ASPHALT OR CONCRETE TO MATCH LINE.
2. ACTUAL MATCH DISTANCE TO BE DETERMINED BY ENGINEER IN FIELD.
3. WHEN APPROACH IS UNPAVED. PAVE TO 20' OR ROW, WHICHEVER IS LESS.
4. NO RIGHT-OF-WAY SURFACE DRAINAGE SHALL FLOW ONTO THE TRAVELED WAY.
5. GRADE VARIES, MAX 15%
6. SEE PLANS FOR DEVIATIONS FROM THESE DRIVEWAY STANDARDS.

APPROACH KEY

* R=20' TYPICAL

1. EDGE OF HWY PAVEMENT TO BACK OF PATH
2. 20' OR TO THE ROW LINE, WHICHEVER IS LESS
3. MATCH EXISTING WIDTH, 20' MAX.

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: D:\Proj\68165\Planset\E_MiscDets.dwg drdodge

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

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

DRIVEWAY DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER

4/15/05

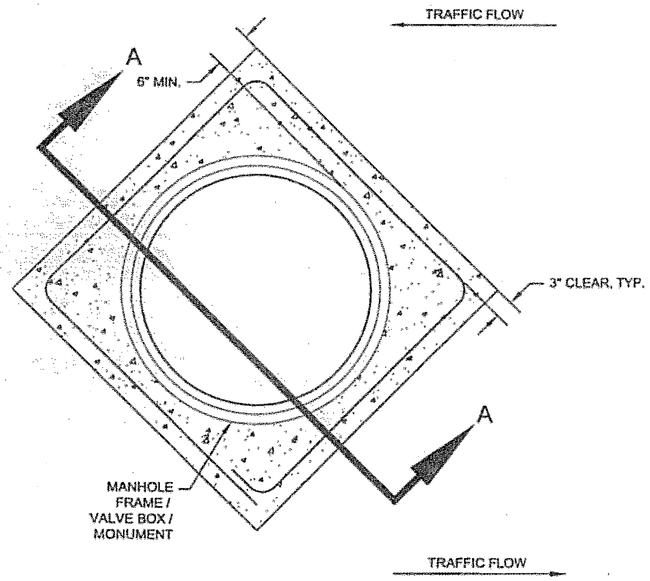
CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

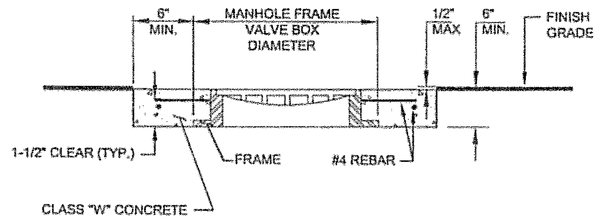
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION~ SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

DRIVEWAY DETAILS

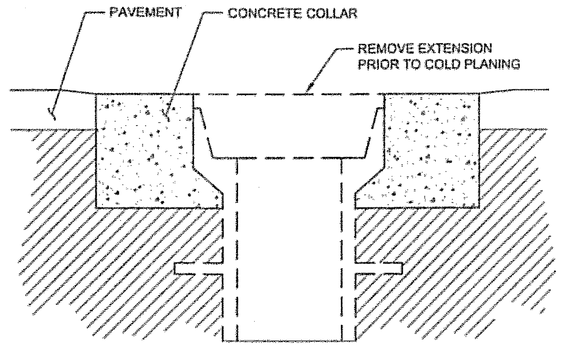
PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E1	89



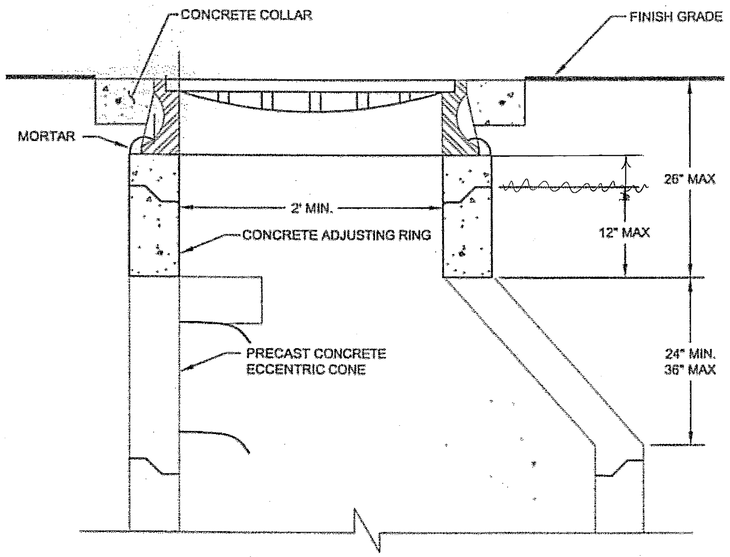
CONCRETE COLLAR ENCASEMENT DETAIL



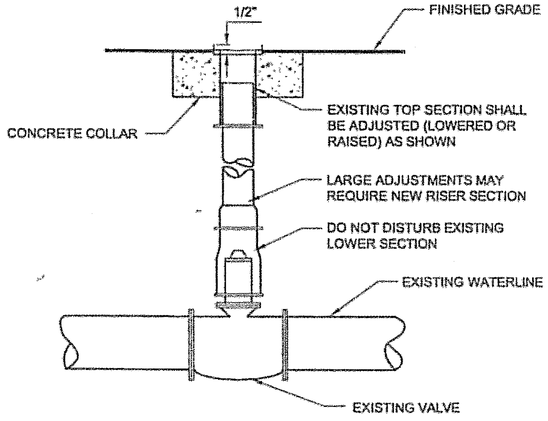
SECTION A-A



MONUMENT ADJUSTMENT DETAIL

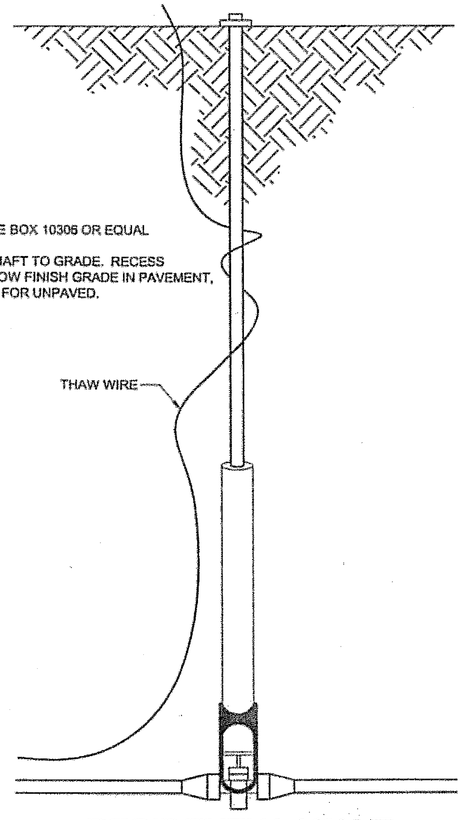


MANHOLE ADJUSTMENT DETAIL



VALVE BOX ADJUSTMENT DETAIL

1. MUELLER SERVICE BOX 10306 OR EQUAL
2. ADJUST VALVE SHAFT TO GRADE. RECESS TOP 1/2" MAX BELOW FINISH GRADE IN PAVEMENT, AT FINISH GRADE FOR UNPAVED.



RESIDENTIAL VALVE ADJUSTMENT DETAIL

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: G:\Psg\68165\Planset\E_MiscDets.dwg drdodge

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

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

MISCELLANEOUS DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA — PETE BEDNAROWICZ — CE-5104 — REGISTERED PROFESSIONAL ENGINEER

1/5/05

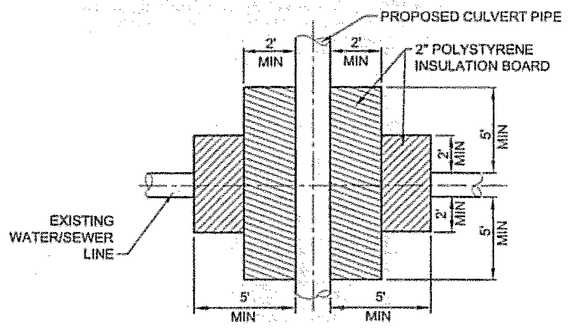
CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

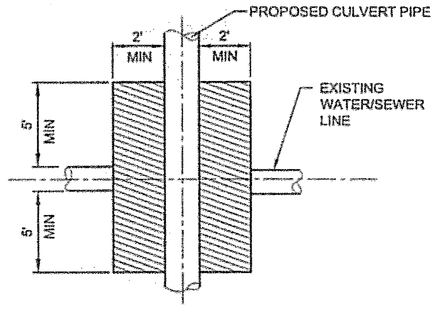
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION – SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165-68242

MISCELLANEOUS DETAILS

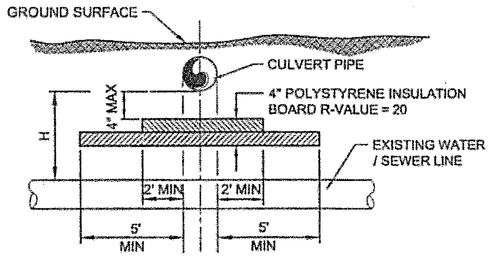
PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E2	89



PLAN
4" POLYSTYRENE



PLAN
2" POLYSTYRENE

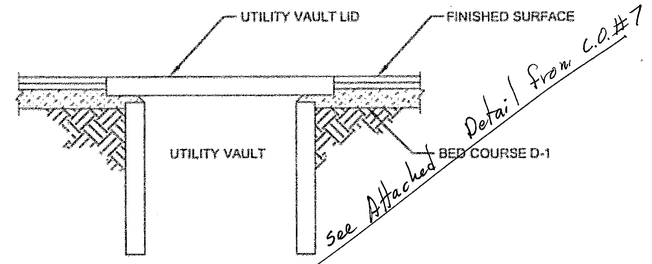


SECTION

NOTES:

1. FOR H < 18", INSTALL 4" POLYSTYRENE BOARD AS SHOWN.
2. FOR 18" < H < 42" FOR SEWER, INSTALL 2" POLYSTYRENE BOARD.
3. FOR 18" < H < 60" FOR WATER, INSTALL 2" POLYSTYRENE BOARD.
4. WRAP AROUND INSULATION WITH R-VALUE EQUAL TO 20 MAY BE SUBSTITUTED IF APPROVED BY THE ENGINEER.

RIGID INSULATION



Detail from C.O.#7

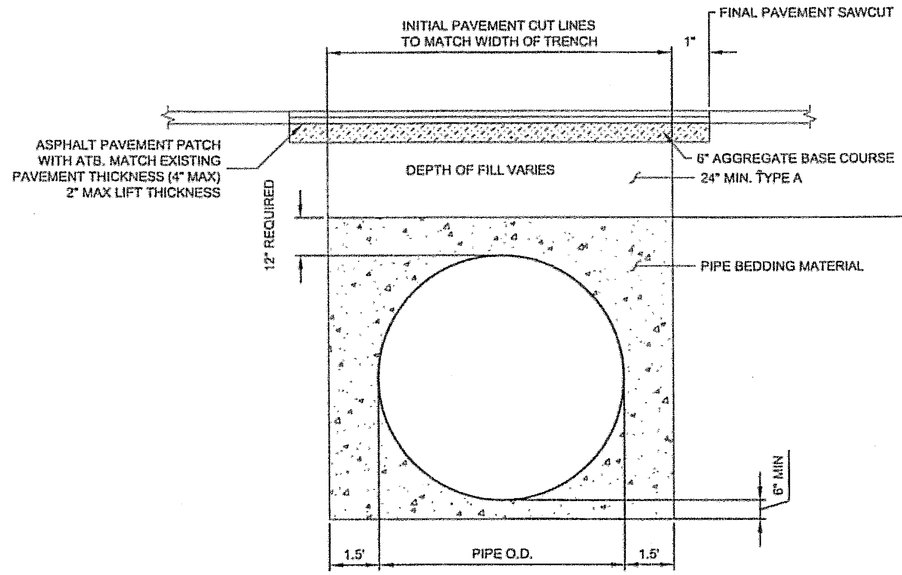
See Attached

Not Used

NOTES:

1. EXISTING VAULT LID SETS ON THE EXISTING BED COARSE.
2. LID ADJUSTMENT IS BY REGRADING THE BED COARSE.
3. ADD BED COURSE AS REQUIRED FOR ADJUSTMENT.
4. ADJUST VAULT LID FLUSH WITH SURROUNDING FINISHED SURFACE.

UTILITY VAULT LID ADJUSTMENT DETAIL



NOTES:

1. PIPE BACKFILL SHALL BE USEABLE EXCAVATION MEETING THE REQUIREMENTS OF SELECTED MATERIAL, TYPE A.
2. THE CONTRACTOR SHALL MAINTAIN ADEQUATE COVER OVER ALL PIPE CROSSINGS AT ALL TIMES TO PREVENT DAMAGE TO THE PIPES.
3. SAW CUT EXISTING ASPHALT.
4. SEE TYPICALS FOR FINAL PAVING.

STANDARD CULVERT PATCHING DETAIL

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: Q:\Psg\68165\Planset\E_MiscDets.dwg drdodge

PLOT: PSPACE 1=1(F) OR MSPACE AS SHOWN TAB: E1

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

DRAINAGE DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA 19th PETE BEDNAROWICZ CE-5104 DISTRICT PROFESSIONAL ENGINEER

4/5/05

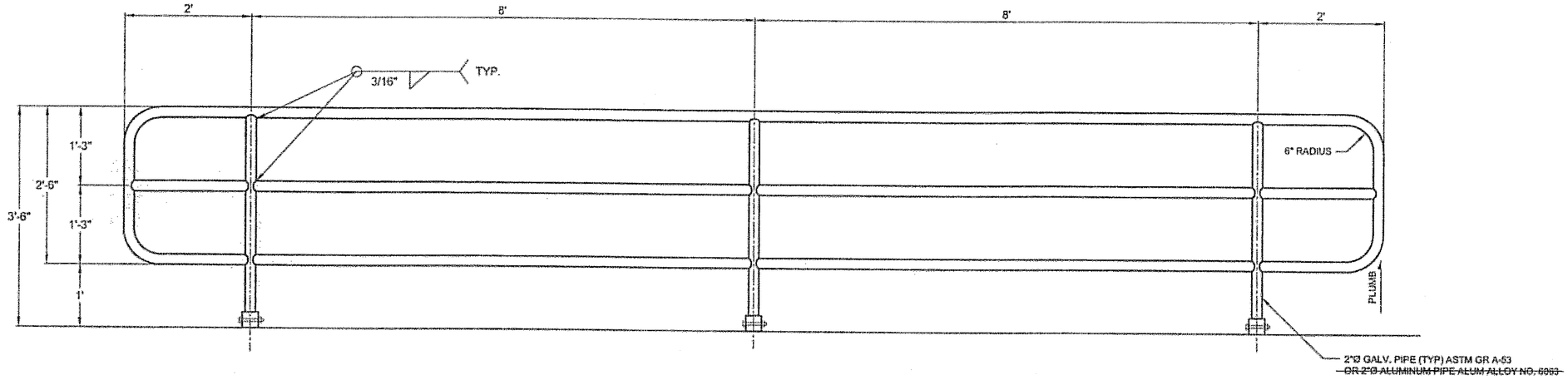
CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION– SE REGION
PSG-MITKOF HWY COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165-68242

DRAINAGE DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E3	89

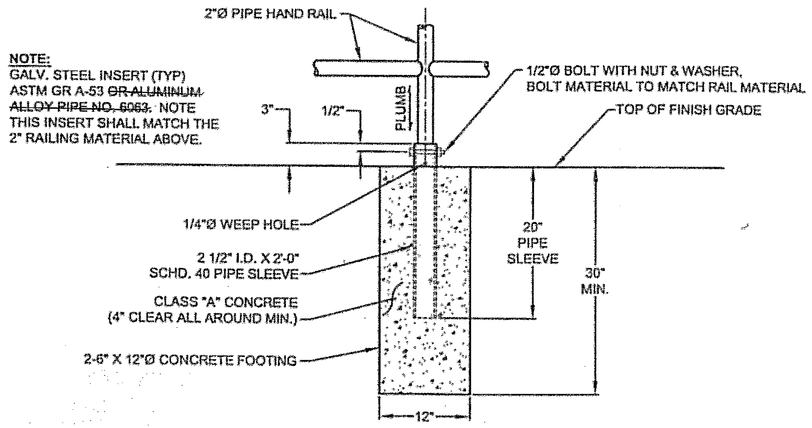


	STATION	OFFSET
BEGIN	"L" 5+44.66	28.35 RT
END	"L" 6+32.36	27.04 RT

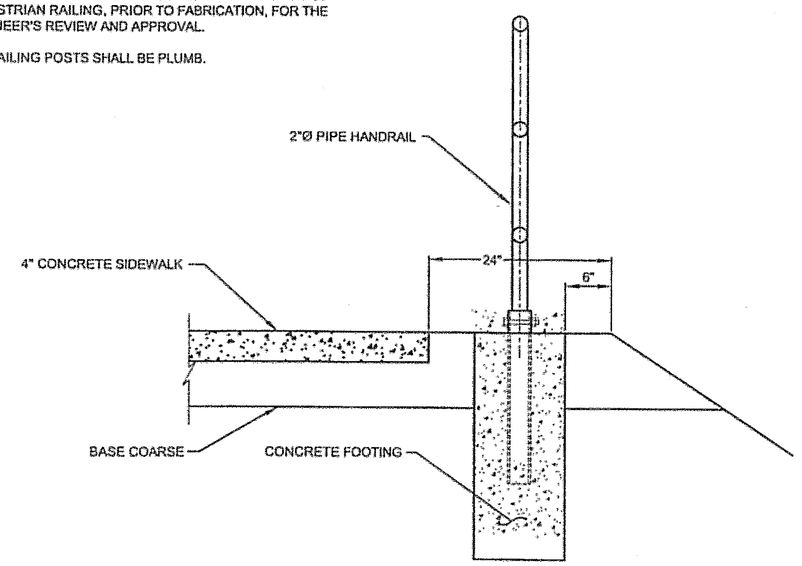
PIPE HAND RAIL

HANDRAIL NOTES:

1. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL PEDESTRIAN RAILING, PRIOR TO FABRICATION, FOR THE ENGINEER'S REVIEW AND APPROVAL.
2. ALL RAILING POSTS SHALL BE PLUMB.



PIPE SLEEVE AND FOOTING DETAIL



LAYOUT DETAIL

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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drdodge
PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

PIPE HAND RAIL DETAILS

DESIGNED BY: D. LESTER

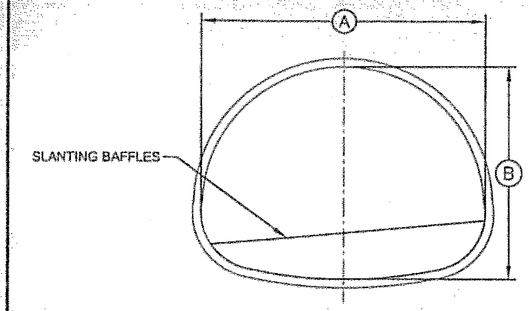
STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

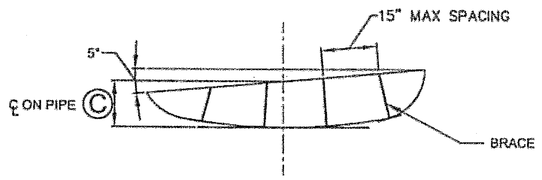
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

PIPE HANDRAIL DETAILS

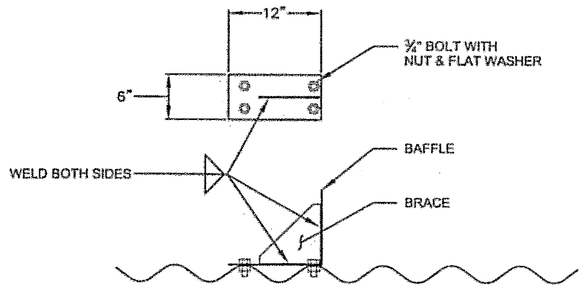
PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E4	89



BAFFLE & PIPE DETAIL

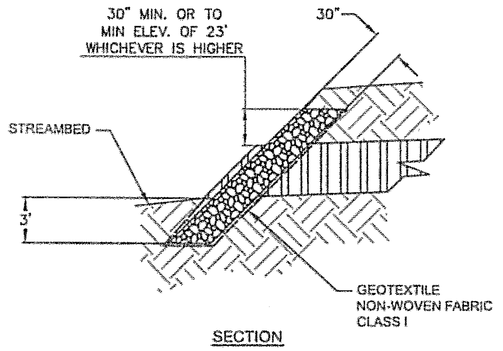


BAFFLE DETAIL

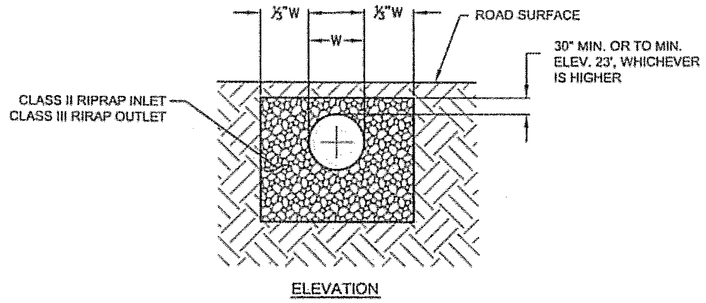


BRACE DETAIL

PIPE NO.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	REQ'D NO. OF BAFFLES	LENGTH OF PIPE
P-23	95"	62"	12"	10'–0"	10	102.4'
P-30	103"	71"	14"	16'–0"	6	98.5'



SECTION



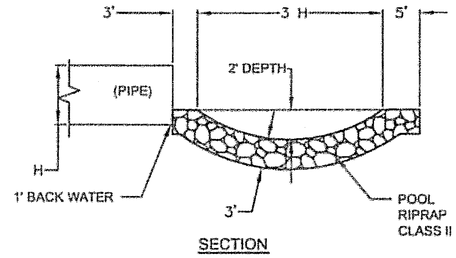
ELEVATION

CULVERT INLET/OUTLET ARMOR DETAIL

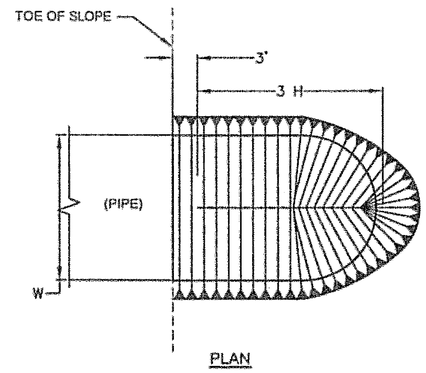
P-2, P-23, & P-30

NOTES:

1. ALL BAFFLES UNIFORMLY SLANT THE SAME DIRECTION.
2. TOP EDGE OF BAFFLE SHALL BE CANTED 5 DEGREES FROM HORIZONTAL. SEE TABLE FOR HEIGHT OF BAFFLE ON CENTERLINE OF PIPE.
3. ALL BAFFLES AND BRACES SHALL BE MANUFACTURED FROM ¼" SHEET ALUMINUM.
4. EACH BAFFLE SHALL HAVE A MINIMUM OF 4 BRACES WITH A MAXIMUM SPACING OF 15".
5. IF NECESSARY, MOVE LAST UPSTREAM BAFFLE TO ALLOW FOR 5' MINIMUM SPACING FROM END OF PIPE.
6. ALL DIMENSIONS ON THIS SHEET ARE NOMINAL- BAFFLES SHALL BE MANUFACTURED TO FIT PARTICULAR PIPE.



SECTION



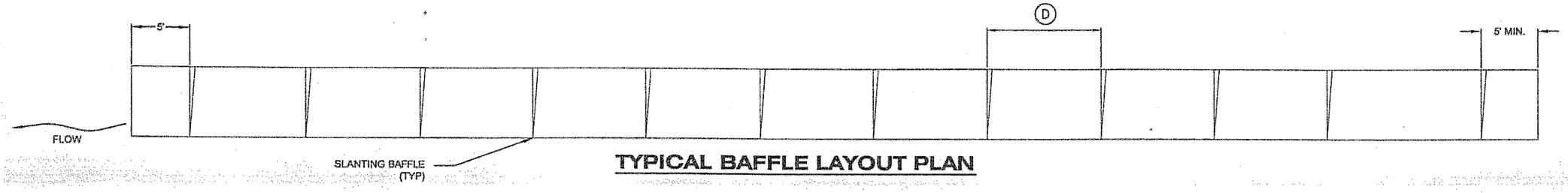
PLAN

OUTLET POOL DETAIL

P-23 & P-30

NOTES:

1. NO OUTLET POOL IS NECESSARY FOR P-2. LINE STREAMBED WITH CLASS II RIPRAP 15 FEET FROM CULVERT END.
2. CONSTRUCT POOLS TO PROVIDE 1FT BACKWATER INTO CULVERTS
3. UTILIZE EXISTING STONE FROM STREAMBED, SUBJECT TO APPROVAL BY THE ENGINEER.
4. POOL WIDTH IS TO MATCH THE STREAM CHANNEL.



TYPICAL BAFFLE LAYOUT PLAN

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: Q:\Psg\68165\Planset\E_MiscDets.dwg drdodge

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

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

DRAINAGE AND FISH BAFFLE DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER

4/5/05

CHECKED BY: P. BEDNAROWICZ

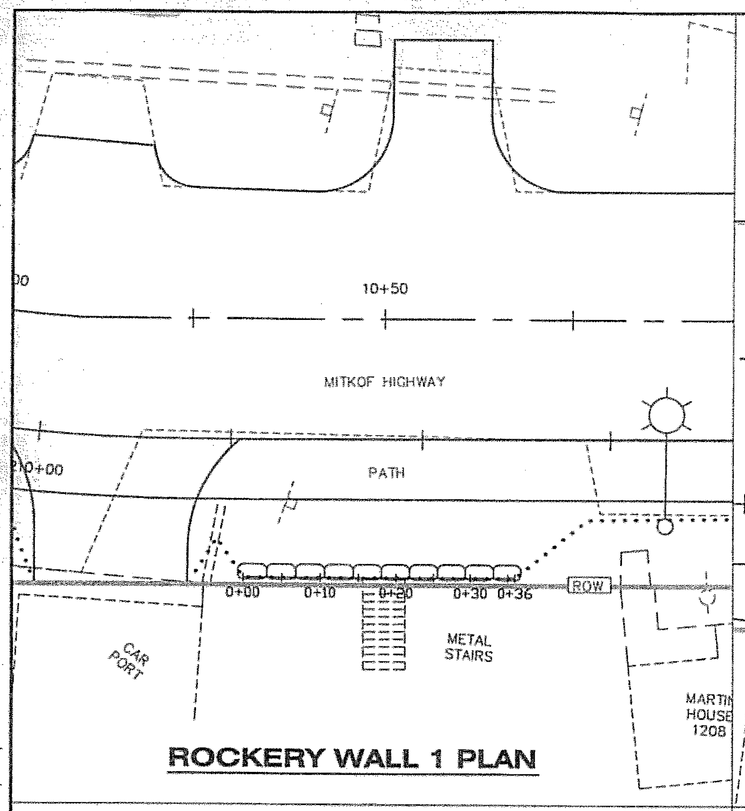
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION– SE. REGION

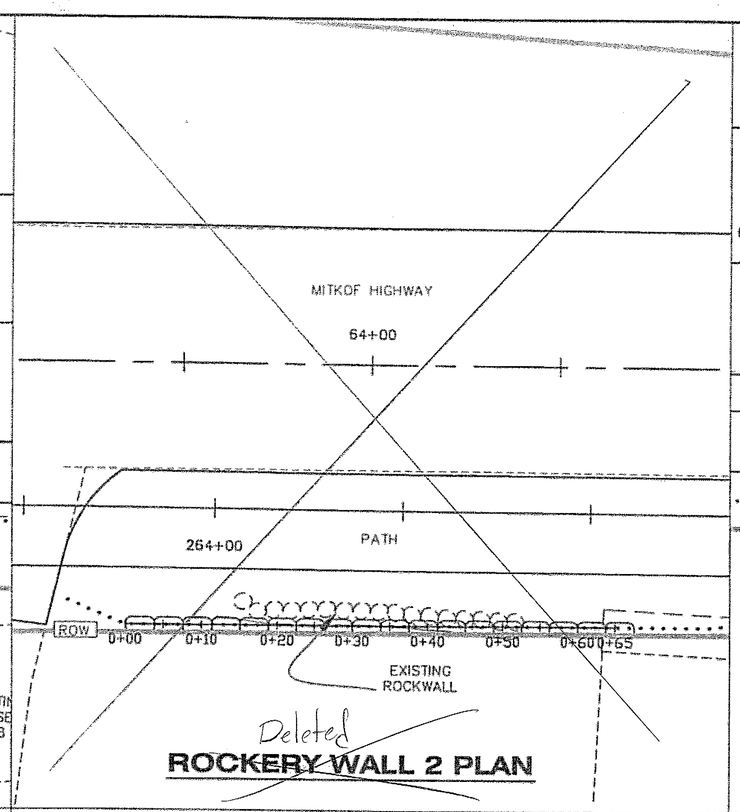
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

DRAINAGE AND FISH BAFFLE DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E5	89



ROCKERY WALL 1 PLAN



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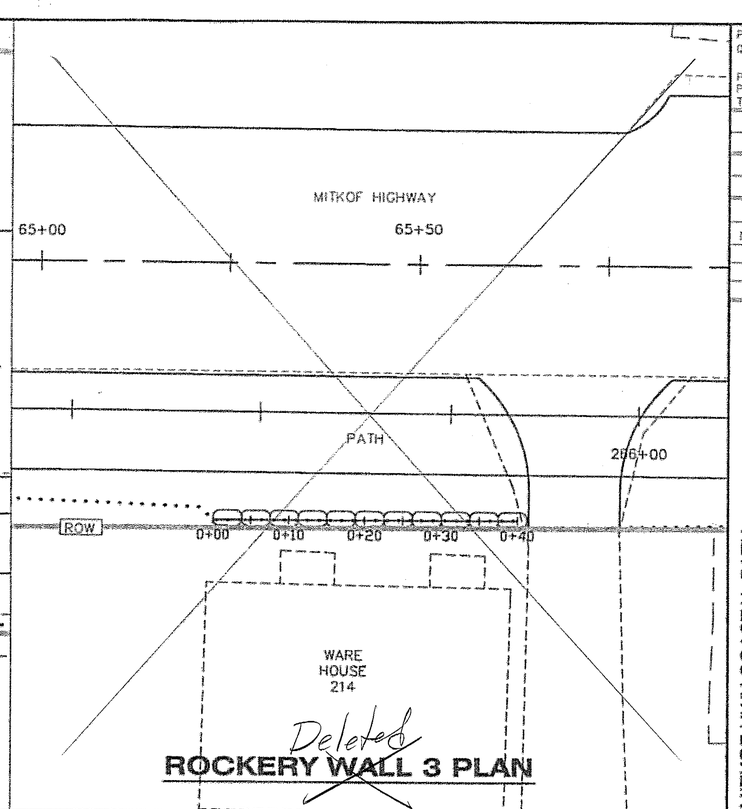
ROCKERY WALL 2 PLAN



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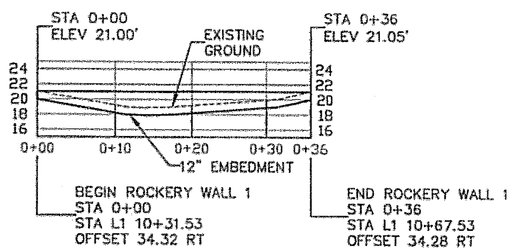
ROCKERY WALL 3 PLAN



ROCKERY WALL 1 PROFILE

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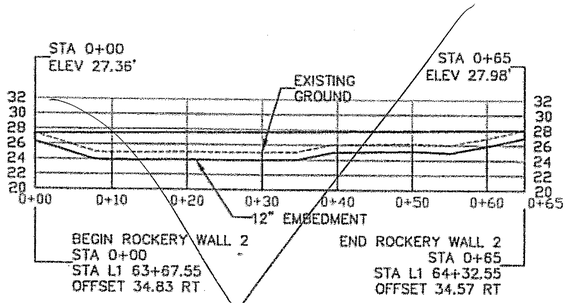

ROCKERY WALL 2 PROFILE

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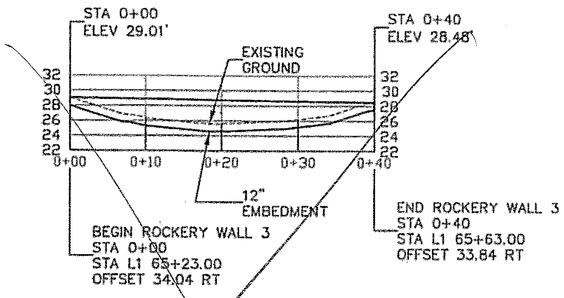

ROCKERY WALL 3 PROFILE

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
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drdodge

PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: E6

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ROCKERY WALL DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER

4/5/05

CHECKED BY: P. BEDNAROWICZ

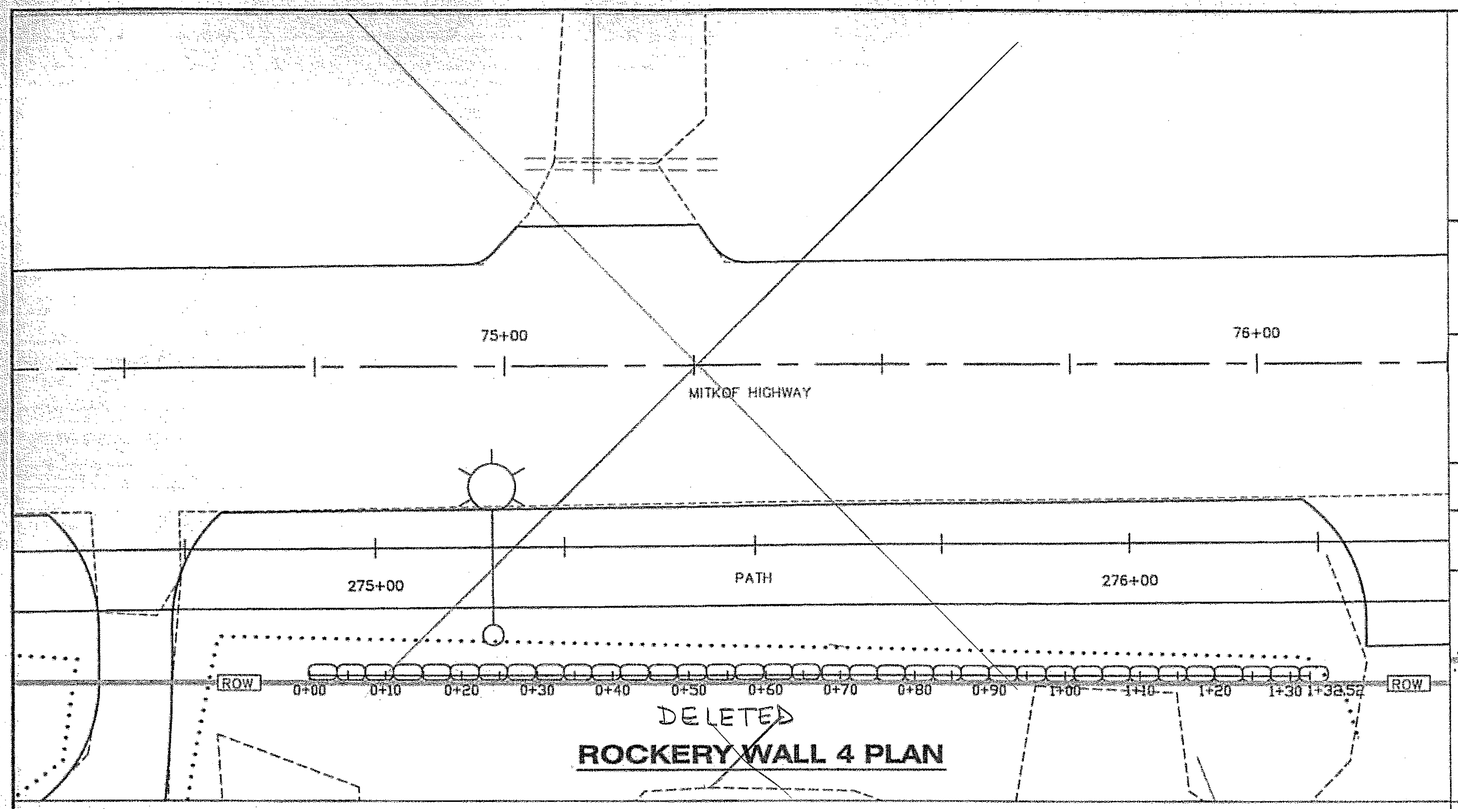
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-- SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

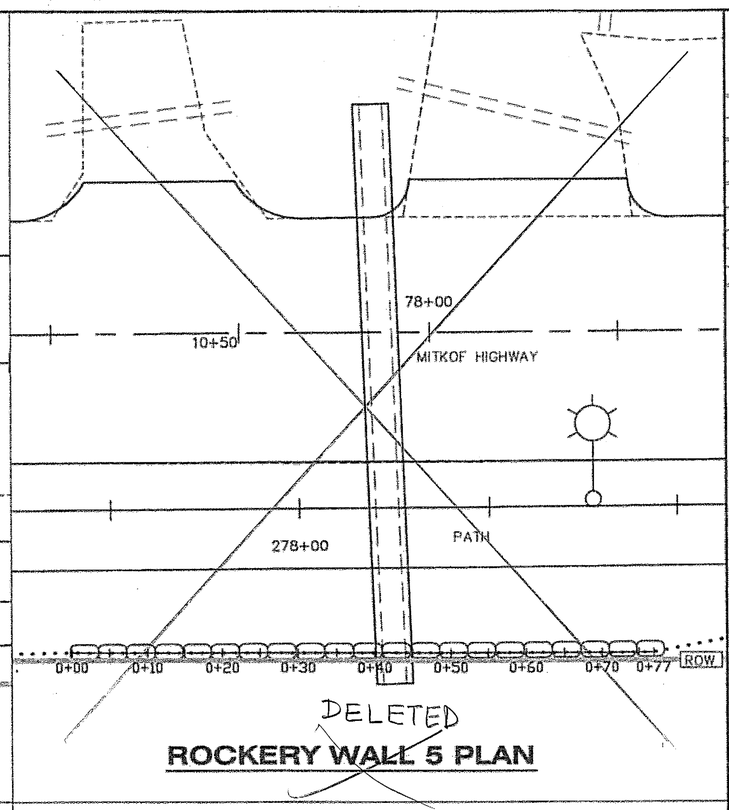
ROCKERY WALL DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E6	89



DELETED

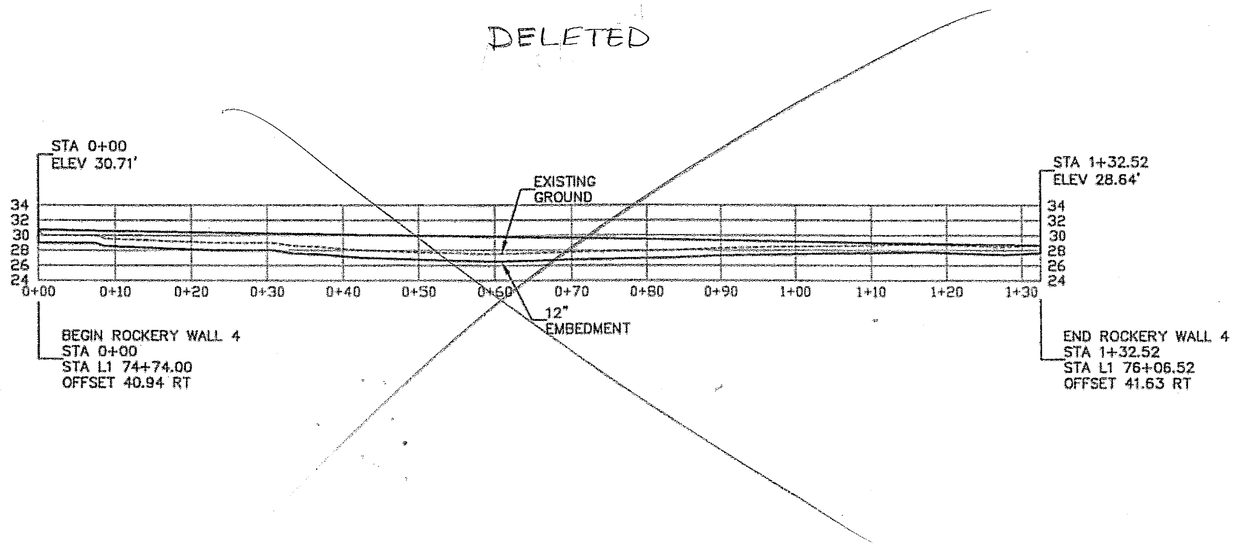
ROCKERY WALL 4 PLAN



DELETED

ROCKERY WALL 5 PLAN

DELETED



ROCKERY WALL 4 PROFILE

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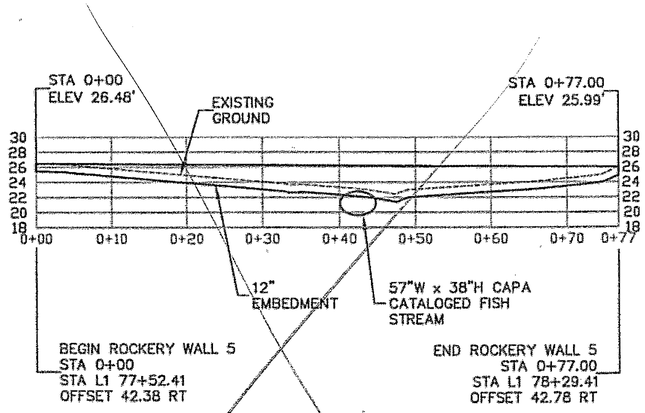


ROCKERY WALL 5 PROFILE

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
Q:\Psg\68165\Planset\E_ROCKERYWALL.dwg
drdodge

PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: E7

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ROCKERY WALL DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

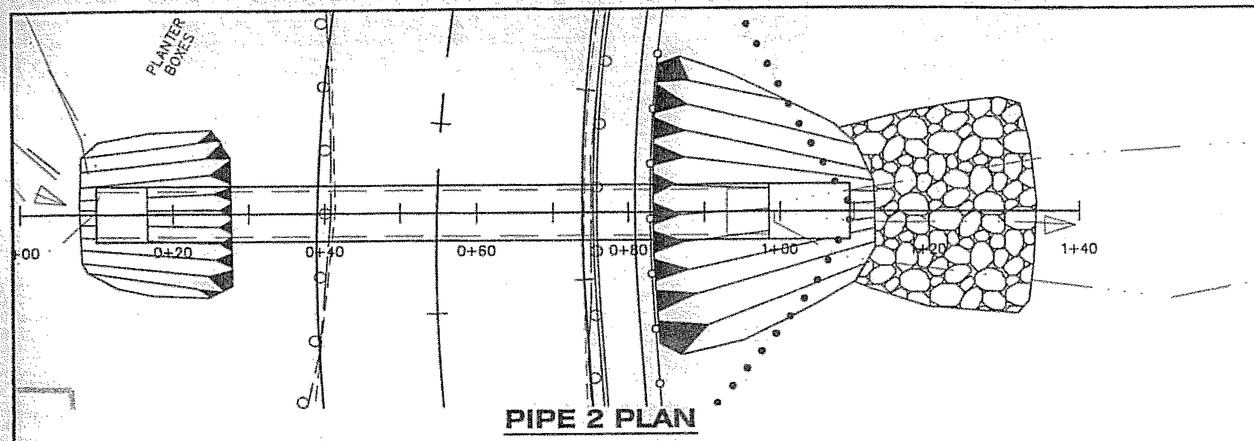
CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

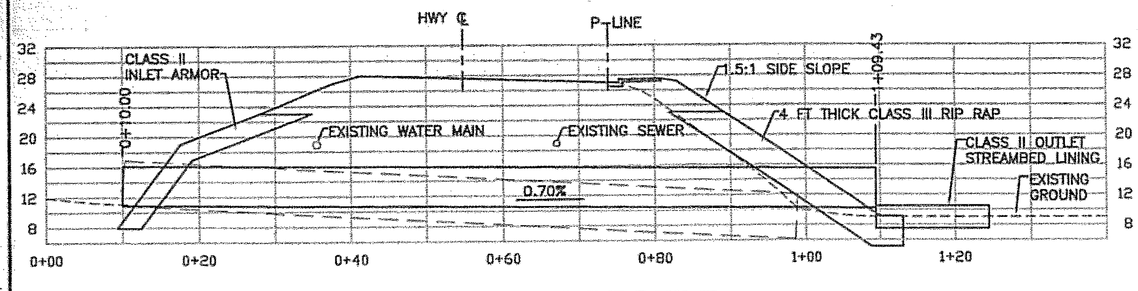
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

ROCKERY WALL DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E7	89



PIPE 2 PLAN

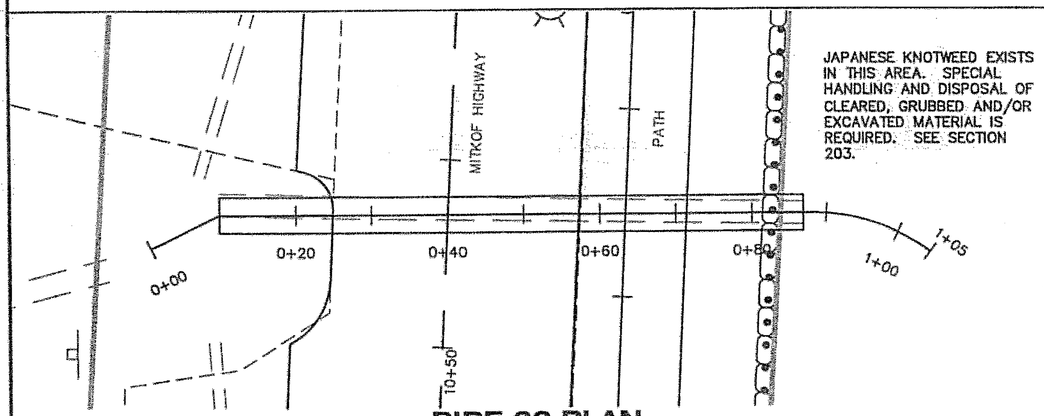


PIPE 2 PROFILE

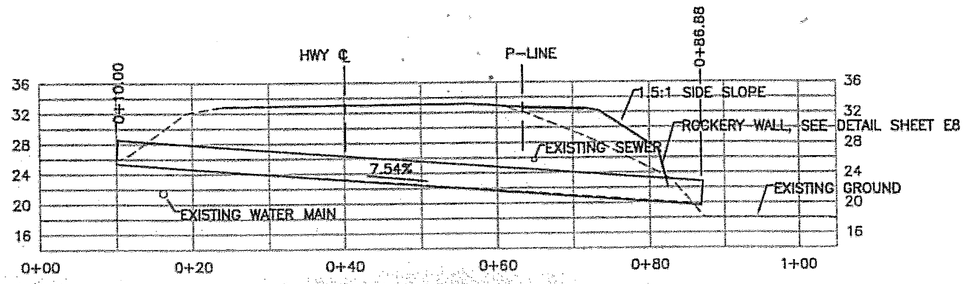
P-2	
PIPE SIZE	87"W x 63"H CAPA
LENGTH	100 FT
SLOPE	0.70%
INLET ELEVATION	10.90 FT
OUTLET ELEVATION	10.20 FT

HYDRAULIC SUMMARY	
DRAINAGE AREA	0.22 SQ MI
EXCEEDANCE PROBABILITY	2%
RETURN PERIOD	Q50
DESIGN DISCHARGE	150 CFS
DESIGN HEADWATER ELEVATION	15.7 FT
CAPACITY	170 CFS

CAUTION!!
THE LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THERE MAY ALSO BE ADDITIONAL UTILITIES THAT ARE NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING EXCAVATION.



PIPE 22 PLAN



PIPE 22 PROFILE

P-22	
PIPE SIZE	57"W x 38"H CAPA
LENGTH	77.1 FT
SLOPE	7.54%
INLET ELEVATION	25.40 FT
OUTLET ELEVATION	19.60 FT

HYDRAULIC SUMMARY	
DRAINAGE AREA	0.2 SQ MI
EXCEEDANCE PROBABILITY	2%
RETURN PERIOD	Q50
DESIGN DISCHARGE	90 CFS
DESIGN HEADWATER ELEVATION	30.3 FT
CAPACITY	55 CFS

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
G:\Psg\68165\Planset\E_hydraulic.dwg
drdodge
PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: C1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PSG-MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

PSG-MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

PIPE 2 & 22 HYDRAULIC DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

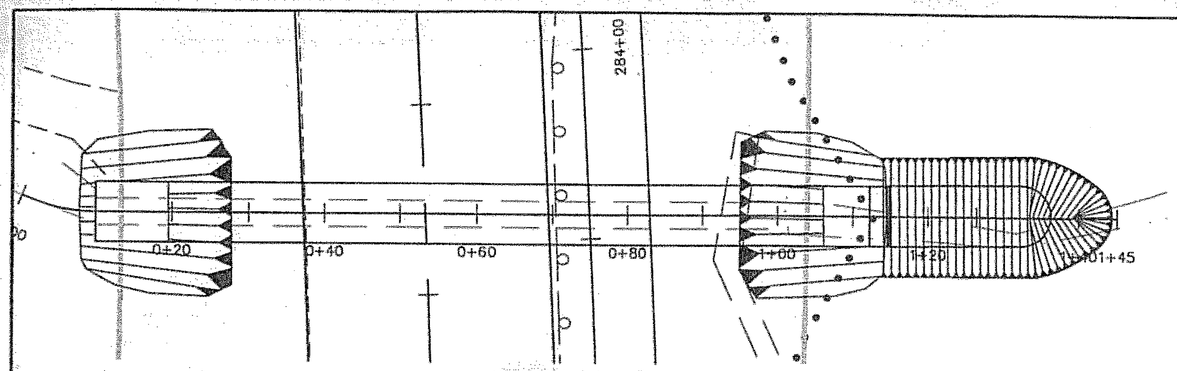
CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

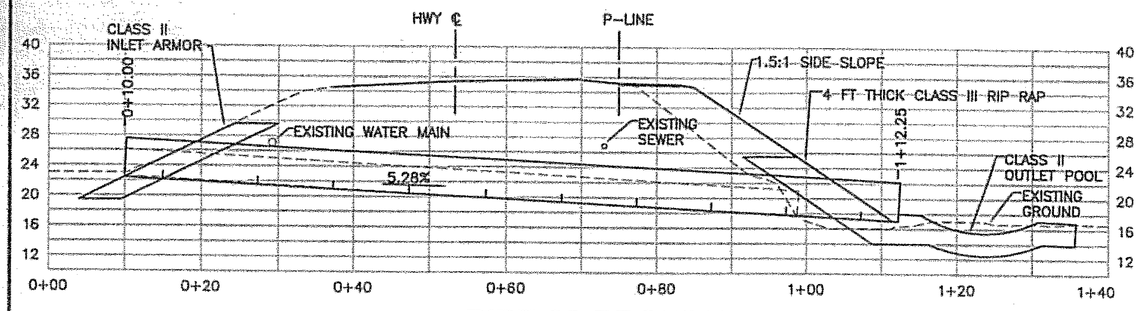
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242
PIPE 2 & 22
HYDRAULIC
DETAILS

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E9	89



PIPE 23 PLAN

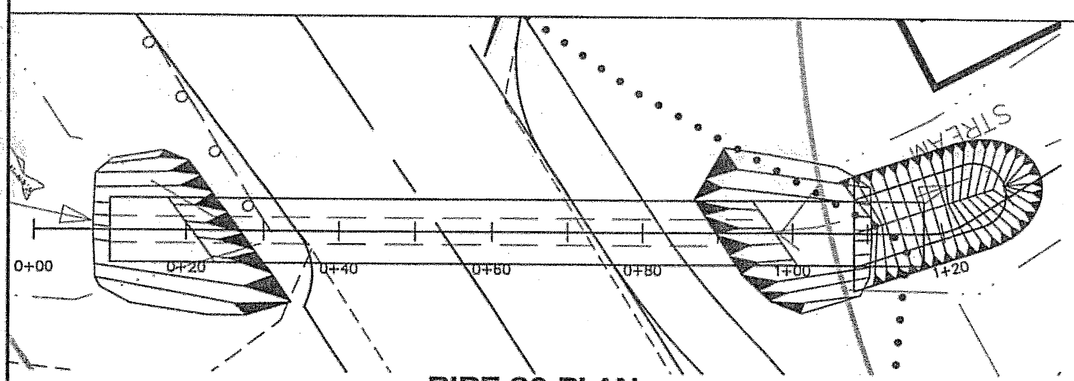


PIPE 23 PROFILE

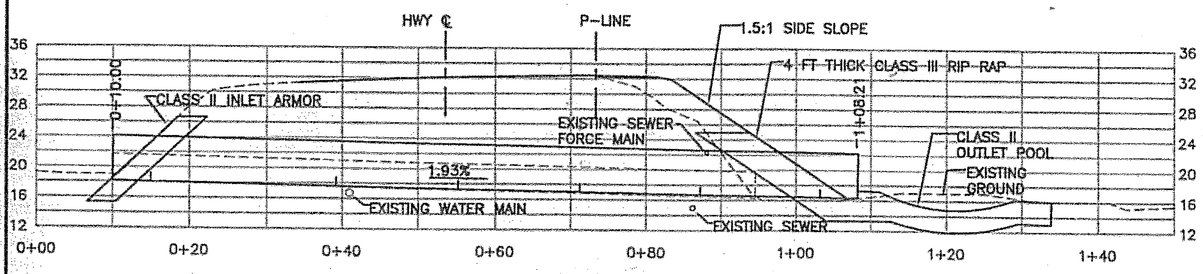
P-23	
PIPE SIZE	95"W x 62"H CAPA
LENGTH	102.4 FT
SLOPE	5.26%
INLET ELEVATION	22.40 FT
OUTLET ELEVATION	17.00 FT

HYDRAULIC SUMMARY	
DRAINAGE AREA	0.29 SQ MI
EXCEEDANCE PROBABILITY	2%
RETURN PERIOD	Q50
DESIGN DISCHARGE	200 CFS
DESIGN HEADWATER ELEVATION	27.6 FT
CAPACITY	200 CFS

CAUTION!!
THE LOCATIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THERE MAY ALSO BE ADDITIONAL UTILITIES THAT ARE NOT SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD LOCATE ALL EXISTING UTILITIES PRIOR TO BEGINNING EXCAVATION.



PIPE 30 PLAN



PIPE 30 PROFILE

P-30	
PIPE SIZE	103"W x 71"H CAPA
LENGTH	98.2 FT
SLOPE	1.93%
INLET ELEVATION	18.20 FT
OUTLET ELEVATION	16.30 FT

HYDRAULIC SUMMARY	
DRAINAGE AREA	0.31 SQ MI
EXCEEDANCE PROBABILITY	2.0%
RETURN PERIOD	Q50
DESIGN DISCHARGE	210 CFS
DESIGN HEADWATER ELEVATION	24.4 FT
CAPACITY	170 CFS

NOTE
6" SEWER FORCE MAIN IS IN CLOSE PROXIMITY WITH PROPOSED CULVERT, SOME CULVERT ADJUSTMENTS MAY BE REQUIRED. ANY SEWER UTILITY WORK SHALL BE COMPLETED IN FULL COOPERATION WITH THE CITY OF PETERSBURG.

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
Q:\Psg\68165\Planset\E_hydraulic.dwg
drdodge
PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: C1

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

PIPE 23 & 30 HYDRAULIC DETAILS

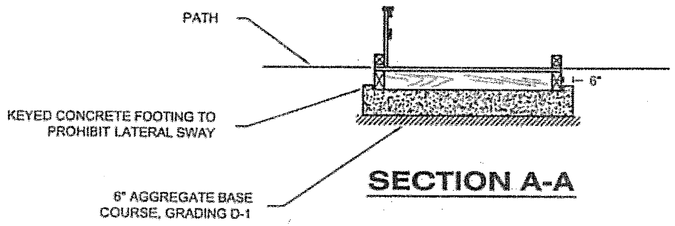
DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

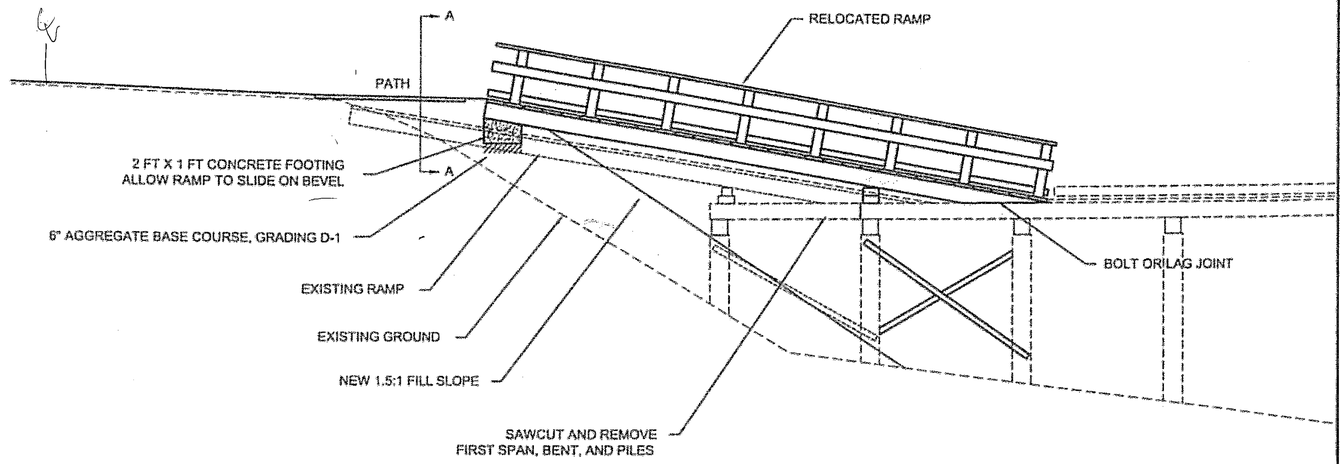
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION - SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242
PIPE 23 & 30
HYDRAULIC
DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E10	89

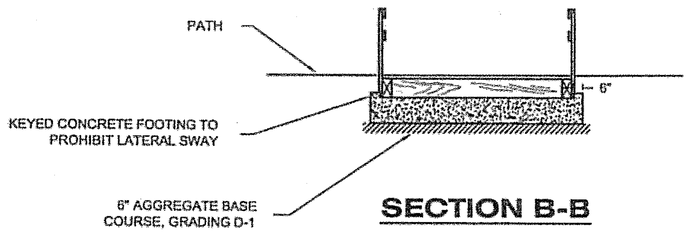


SECTION A-A

1. PROVIDE NEW CROSS BRACING IN PILES AS SHOWN.
2. DIMENSIONS ARE UNKNOWN AND SHOWN TO APPROXIMATE SCALE. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS. USE TIMBER THAT MATCHES EXISTING DIMENSIONAL TIMBER.
3. MAINTAIN EXISTING RAILING AND BULWARK CONFIGURATIONS.
4. EXISTING TIMBERS MAY BE REUSED PROVIDED MATERIAL IS SOUND AND NO ROT IS PRESENT, UPON APPROVAL BY THE ENGINEER.
5. ONSITE MODIFICATIONS FROM THESE DETAILS ARE SUBJECT TO APPROVAL BY THE ENGINEER.
6. 3-#5 rebar full length + 20"-#5@24"O.C. ⊥

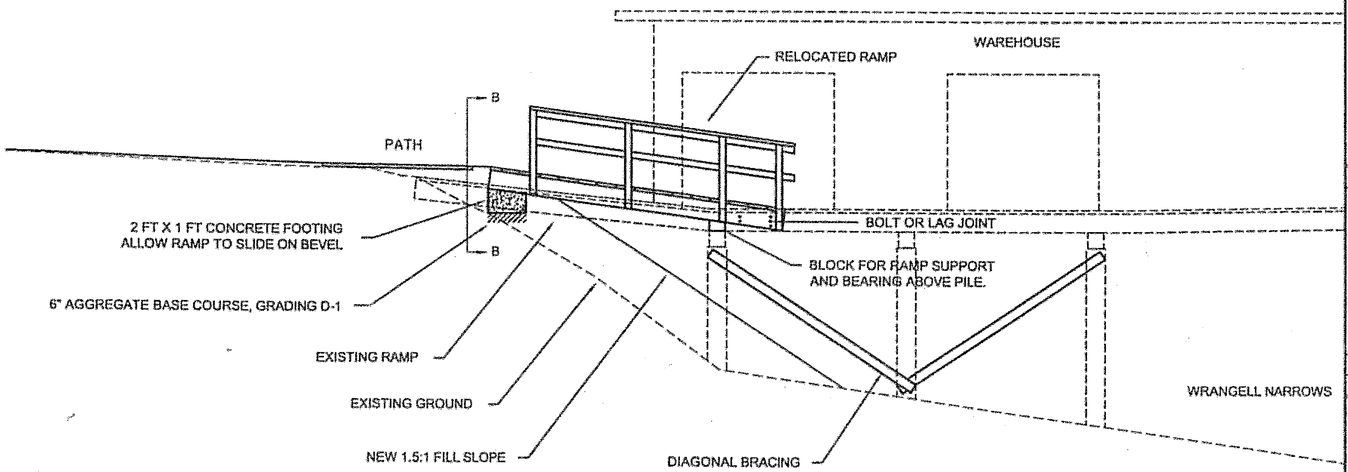


RAMP 1 DETAIL
STA "L1" 30+80



SECTION B-B

1. PROVIDE NEW DIAGONAL BRACING IN PILES AS SHOWN.
2. DIMENSIONS ARE UNKNOWN AND SHOWN TO APPROXIMATE SCALE. CONTRACTOR SHALL VERIFY ACTUAL DIMENSIONS. USE TIMBER THAT MATCHES EXISTING DIMENSIONAL TIMBER.
3. MAINTAIN EXISTING RAILING CONFIGURATIONS.
4. EXISTING TIMBERS MAY BE REUSED PROVIDED MATERIAL IS SOUND AND NO ROT IS PRESENT, UPON APPROVAL BY THE ENGINEER.
5. ONSITE MODIFICATIONS FROM THESE DETAILS ARE SUBJECT TO APPROVAL BY THE ENGINEER.
6. EXISTING PILES HAVE SHALLOW BURIAL DEPTH.
7. See Note 6 for Ramp 1



RAMP 2 DETAIL
STA "L1" 34+25

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
Q:\Psg\68165\Planset\E_hydraulic.dwg
drdodge
PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: C1

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)--68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)--68242

RAMP DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

RAMP DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E11	89

BEGIN HIGHWAY RESURFACING
STA. "L1" 2+40.00

WESLEY STREET
SIDEWALK
ROW
RESTAURANT & VIDEO STORE
RESTAURANT & MOTEL
WOOD WALK
MITKOF HIGHWAY
S 43°35' 51" W
186.20'
0+00
1+00
2+00
3+00
4+00
5+00
S43°28'00"W
232.94'
"L1" LINE
"P" LINE
ABANDONED
SAWCUT & MATCH EXISTING PAVEMENT. SEE PAVEMENT MATCH JOINT DETAIL SHEET E8
P-1
S-1
UP
MATCH P-1 TO EXISTING 12" CPP PIPE TO AVOID, WORK UNDER CURB AND GUTTER.
SAWCUT & MATCH EXISTING PAVEMENT
BEGIN PATH
STA. "L1" 3+04.28, 42.62
STA. "P" 202+90.00
202+90
203+62
R=25' (TBC)
RADIUS POINT (SEE P-LINE CONTROL SHEET A3)
204+00
205+00
W=19'
PAVE DRIVEWAY TO ROW
HOUSE 1108
HOUSE 1106
PARKING LOT FERRY TERMINAL STATE OF ALASKA
20 0 20 40
SCALE IN FEET

PLAN

NOTE:
MODIFICATIONS AND CHANGES TO SOME PROPERTIES HAVE OCCURRED SINCE ACQUIRING SURVEY DATA. THE CONTRACTOR SHALL VERIFY EXISTING FEATURES AND MAKE ADJUSTMENTS AS APPROVED BY THE ENGINEER. MINOR CHANGES IN THE PATH ALIGNMENT AND PROFILE MAY BE DIRECTED BY THE ENGINEER.

EXISTING 8" DIP WATER
EXISTING 10" AC SEWER

LOW POINT ELEV = 25.12
LOW POINT STA = 203+16.67
PVI STA = 203+26
PVI ELEV = 24.97
A.D. = 1.82
K = 39.64
72.0' VC

BVCS 202+90
BVCE 25.21
EVCS 203+62
EVCE 25.38
BVCS 204+17.29
BVCE 26.01
PVI S
PVI
A
K

"P" LINE FINISHED PROFILE GRADE
"L1" LINE EXISTING GROUND
"P" LINE EXISTING GROUND
1.14%

40
30
20
DATUM 10.00

25.3
25.0 25.16
25.0 25.26
25.2 25.81
26.0 26.36
26.3 25.81

203+00
204+00
205+00

PROFILE

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

PETERSBURG
B.O.P. "L1" 2+40
"L1" 20+00
"L1" 40+00
MITKOF ISLAND
"L1" 60+00
"L1" 80+00
"L1" 100+00
"L1" 120+00
"L2" 120+00
"L2" 140+00
"L2" 160+00
E.O.P. "L2" 175+00
Wrangell Narrows

PATH:
O:\Psg\68165\Planset\F_Plan.dwg
lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER
4/5/05

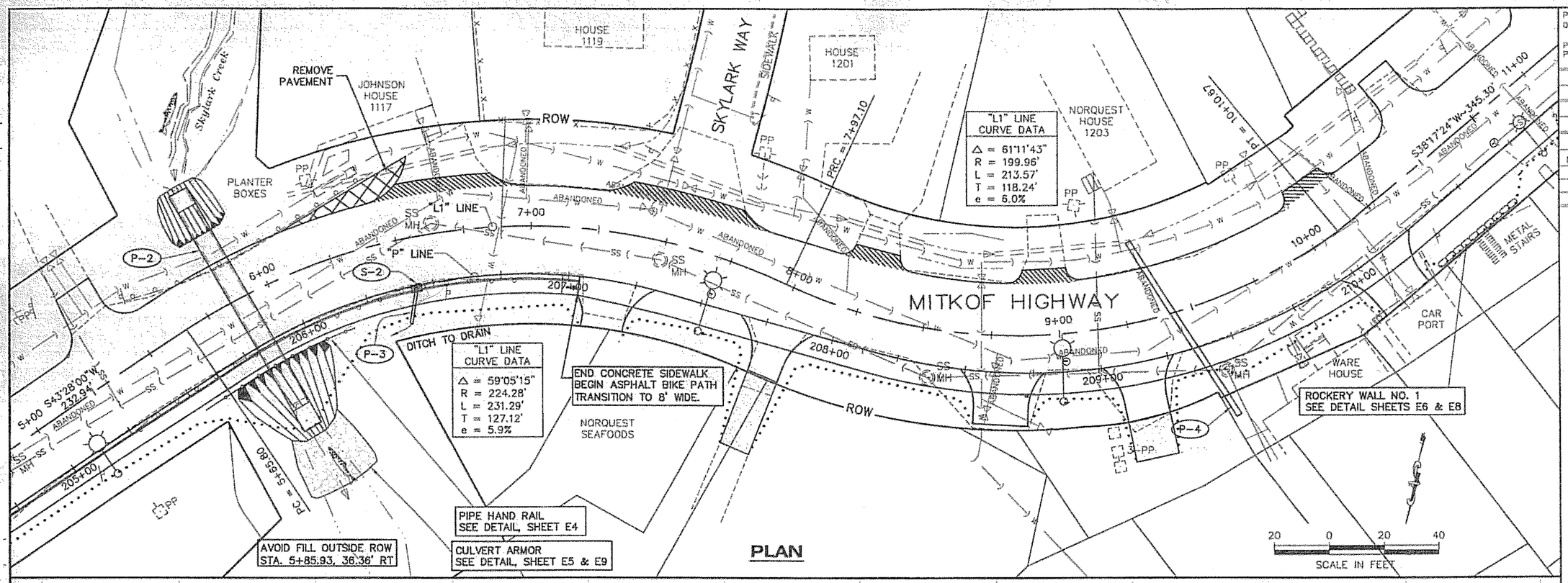
CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F1	89

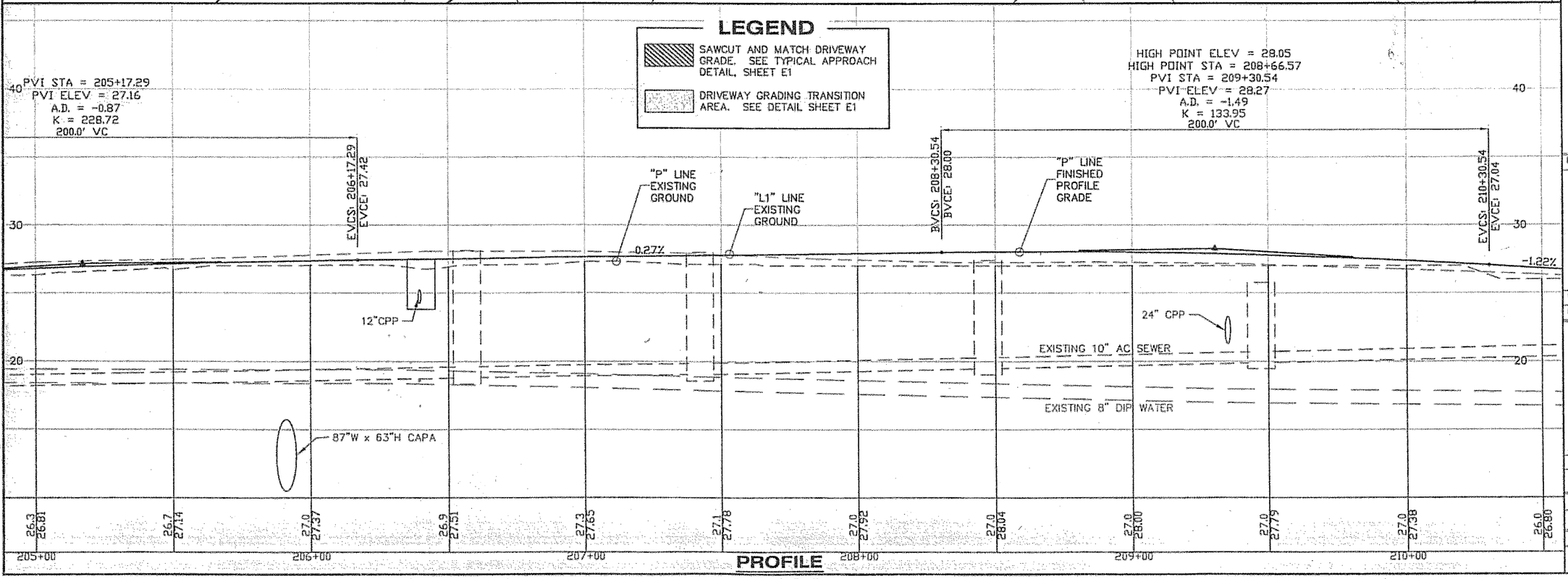


PLAN

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1



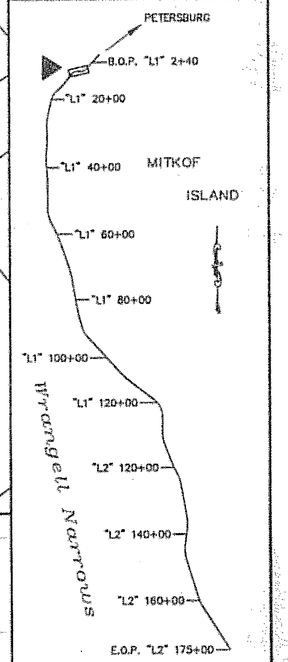
PROFILE

PATH: Q:\Psg\68165\Planset\F_Plan.dwg
lrobertson
PLOT: PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA 1911 PETE BEDNAROWICZ CC-5104 REGISTERED PROFESSIONAL ENGINEER

4/15/05

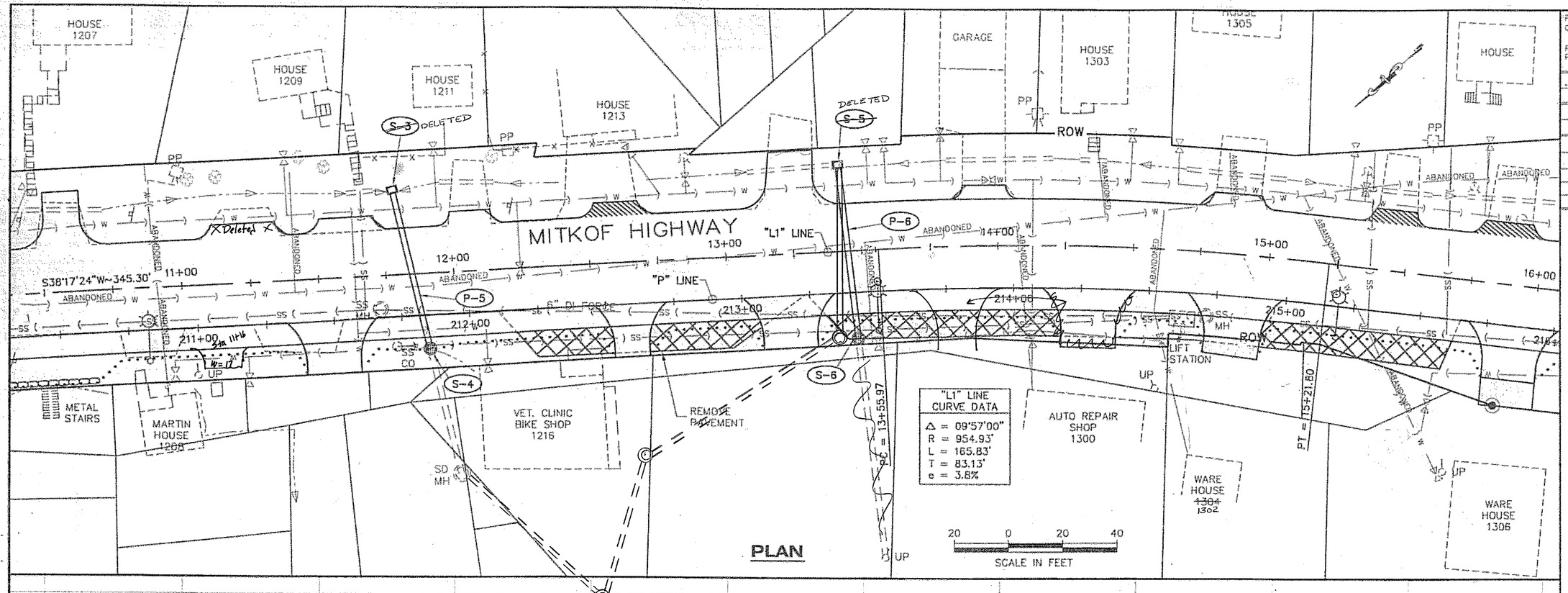
CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F2	89



LEGEND

- SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
- DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

PATH:
Q:\Psg\68165\Plansel\F_Plan.dwg
trobertson

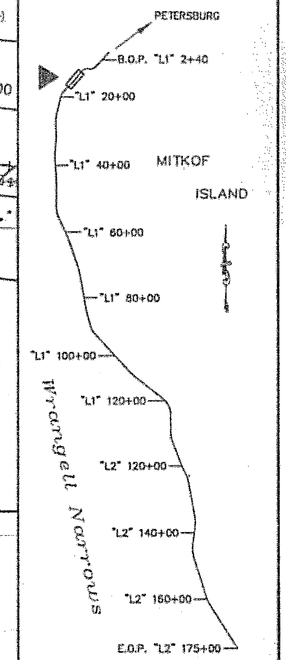
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

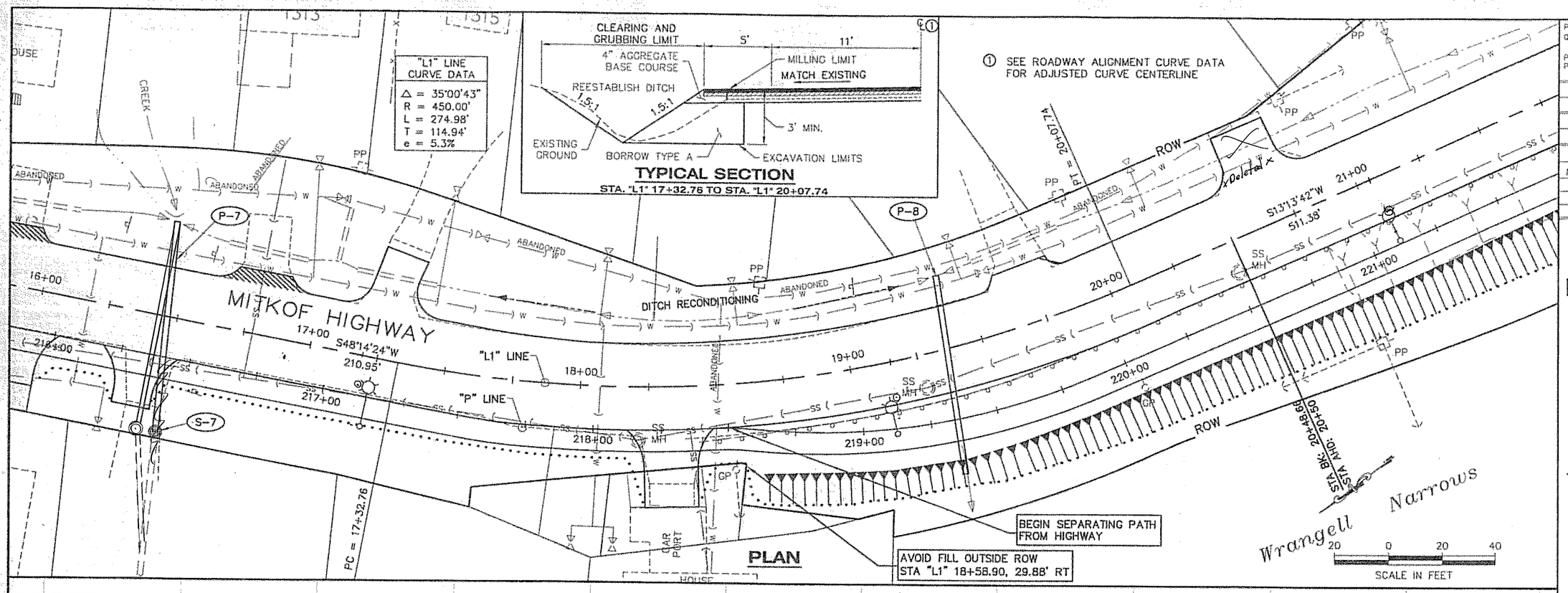
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

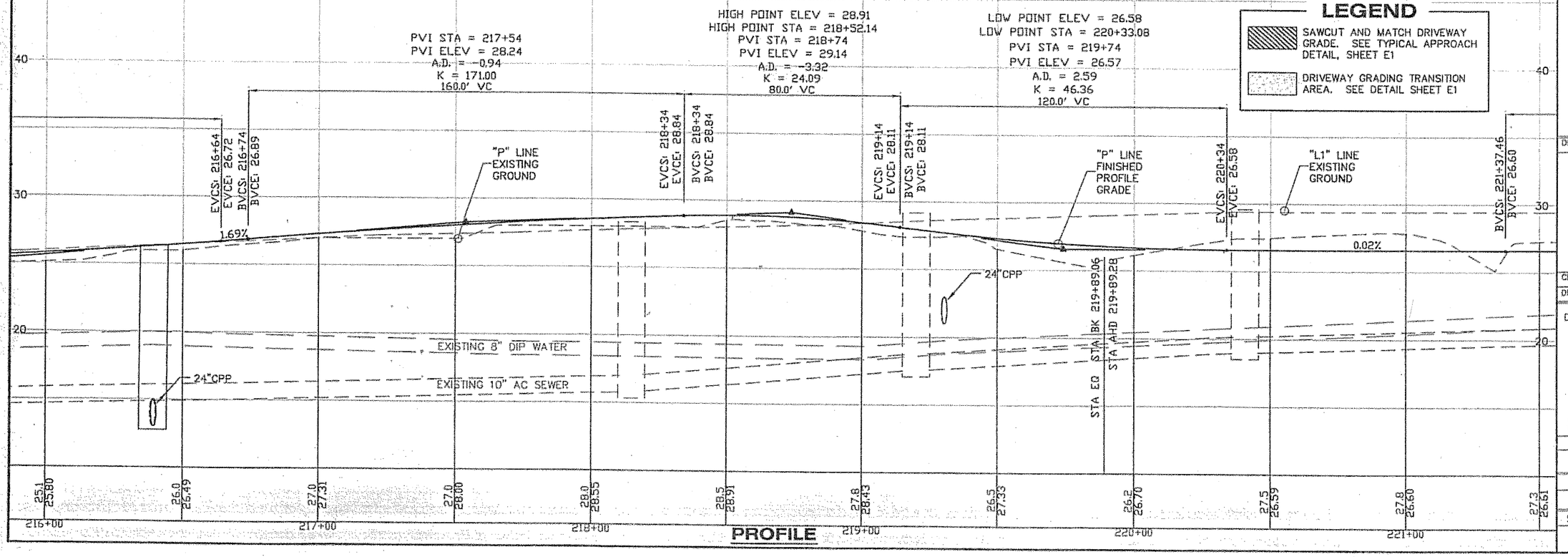
PLAN & PROFILE

PROJECT DESIGNATION NUMBER

68165-68242

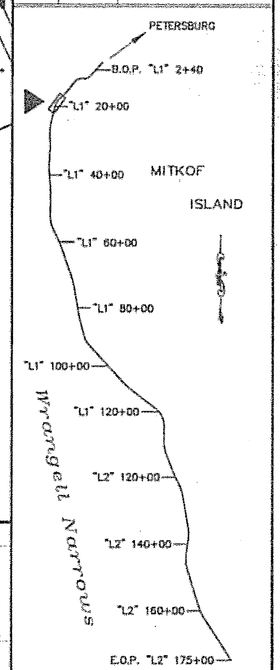
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F3	89





LEGEND

- SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
- DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1



VIEW LOCATION MAP

PATH: G:\Psg\68165\Planset\F_Plan.dwg
lrobertson
PLOT: PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER

4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

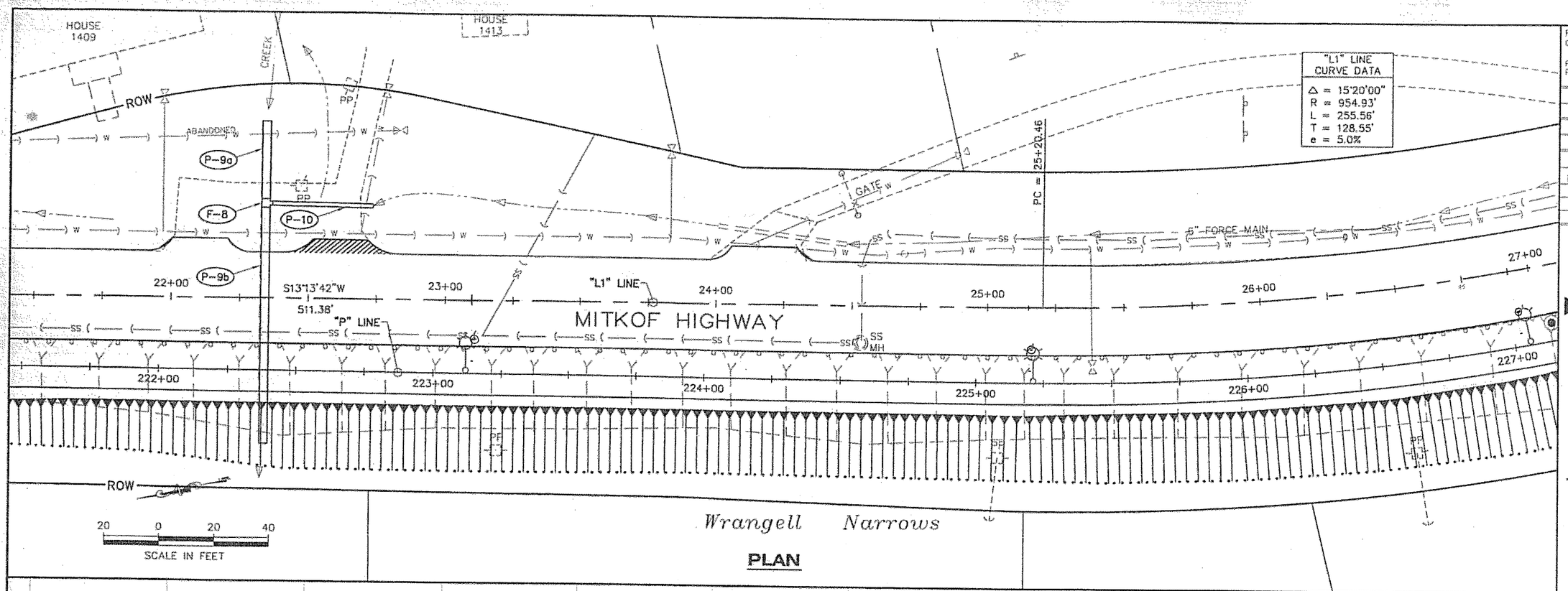
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F4	89



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lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

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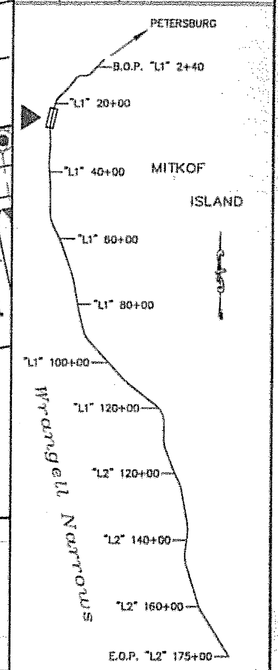


VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION–SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F5	89

PATH:
Q:\Pag\68165\Planset\F_Plan.dwg
lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CITY OF PETERSBURG MEMORIAL CEMETERY

ROW

PT = 27+76.01

GATE

STREAM

"L1" LINE CURVE DATA
Δ = 06°19'00"
R = 1909.86'
L = 210.56'
T = 105.38'
e = 3.5%

27+00 28+00 "L1" LINE 29+00 S01°58'02"E 331.68' 30+00 P-11 31+00 32+00

MITKOF HIGHWAY

"P" LINE

+00 228+00 229+00 230+00 231+00 232+00

PP

ROW

Wrangell Narrows

AVOID FILL OUTSIDE ROW
STA. 30+05.66, 59.02' RT.

WOOD DECK

WARE HOUSE 165

PC = 31+07.69

MODIFICATION OF ACCESS
SEE DETAIL SHEET E11

20 0 20 40
SCALE IN FEET

PLAN

PETERSBURG

B.O.P. "L1" 2+40

"L1" 20+00

"L1" 40+00 MITKOF ISLAND

"L1" 60+00

"L1" 80+00

"L1" 100+00

"L1" 120+00

"L2" 120+00

"L2" 140+00

"L2" 160+00

E.O.P. "L2" 175+00

Wrangell Narrows

VIEW LOCATION MAP

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

LOW POINT ELEV = 28.16
LOW POINT STA = 229+57.59
PVI STA = 229+94
PVI ELEV = 27.64
A.D. = 3.84
K = 37.53
144.0' VC

HIGH POINT ELEV = 30.05
HIGH POINT STA = 230+88.52
PVI STA = 230+94
PVI ELEV = 30.53
A.D. = -7.18
K = 7.80
56.0' VC

PVI STA = 231+94
PVI ELEV = 26.24
A.D. = 2.66
K = 54.12
144.0' VC

40

30

20

"P" LINE EXISTING GROUND

EVCS: 228+30.64
EVCE: 29.19

"P" LINE FINISHED PROFILE GRADE

-0.95%

BVCS: 229+22
BVCE: 28.32

"L1" LINE EXISTING GROUND

EVCS: 230+66
EVCE: 29.72
BVCS: 230+66
BVCE: 29.72

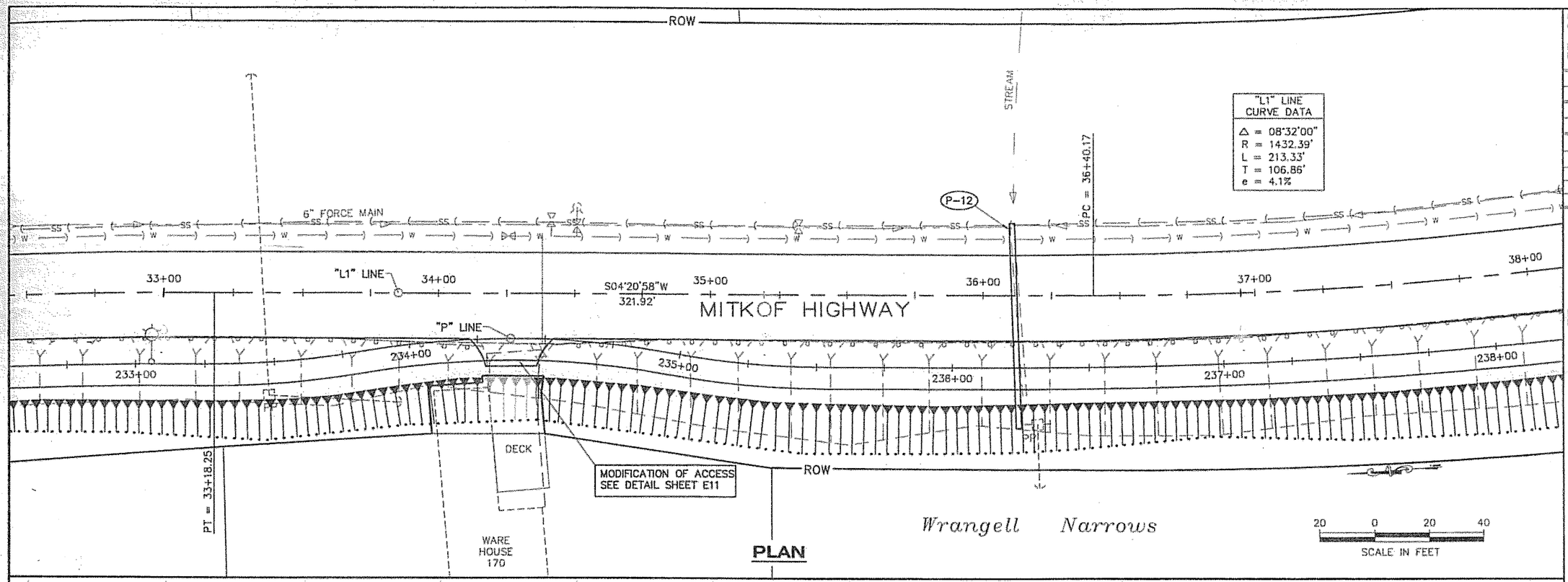
EVCS: 231+22
EVCE: 29.33
BVCS: 231+22
BVCE: 29.33

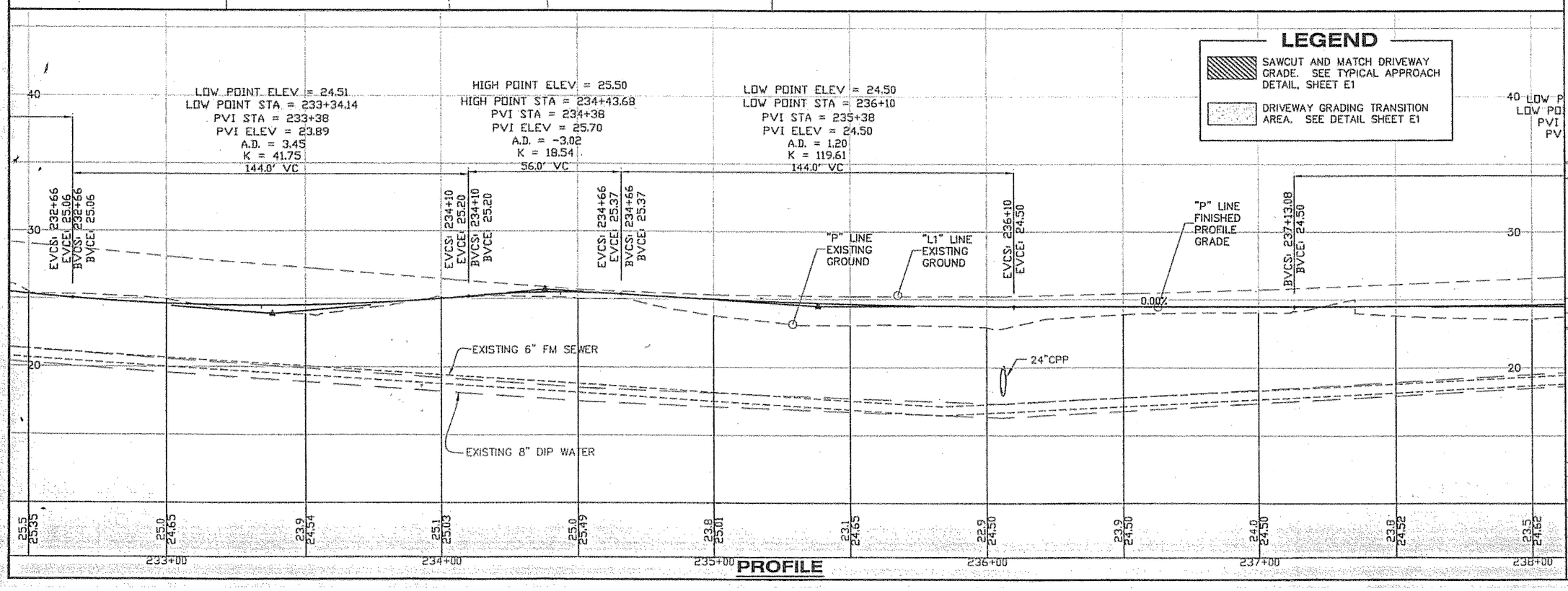
24" CPP

EXISTING 6" FM SEWER

EXISTING 8" DIP WATER

| | | |





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lrobertson
PLOT:
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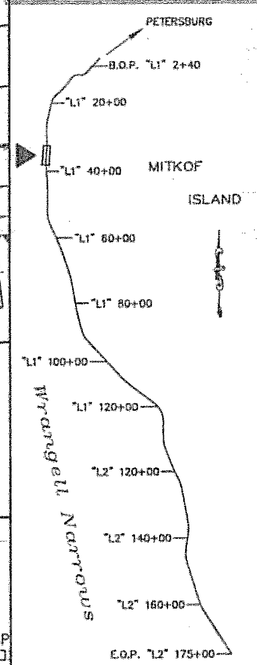
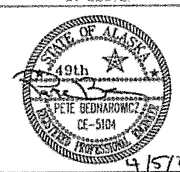
No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER



CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

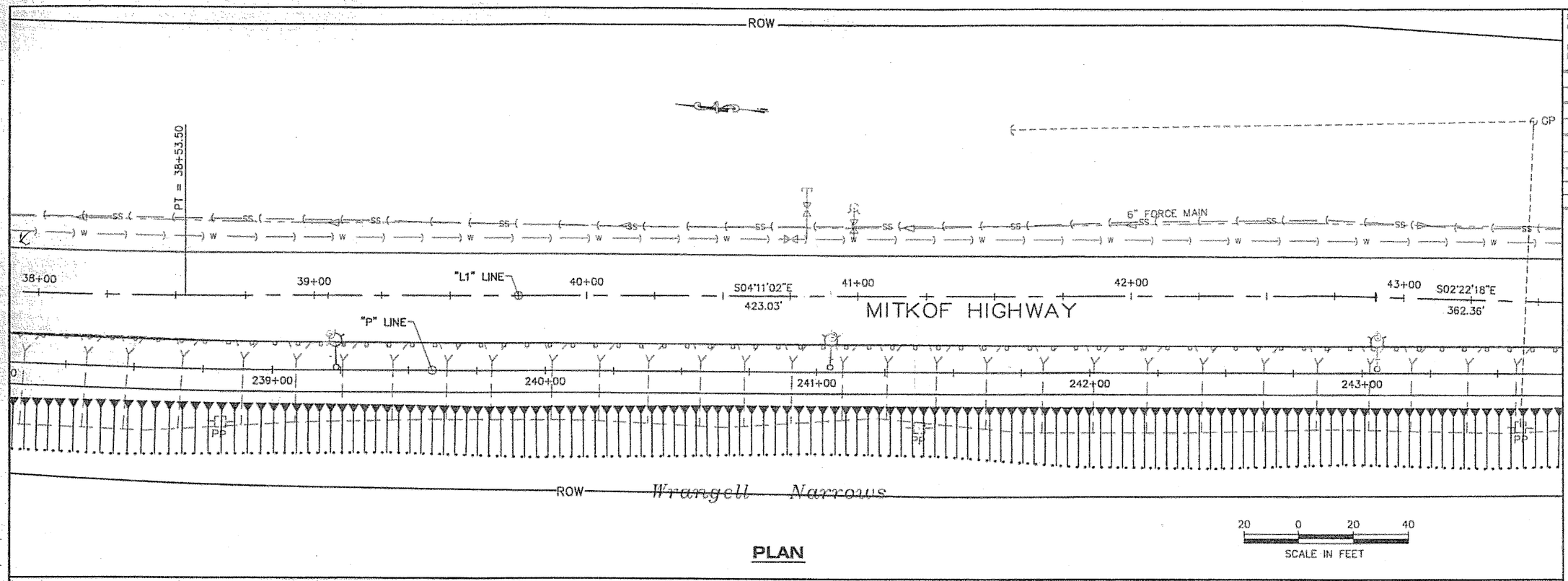
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

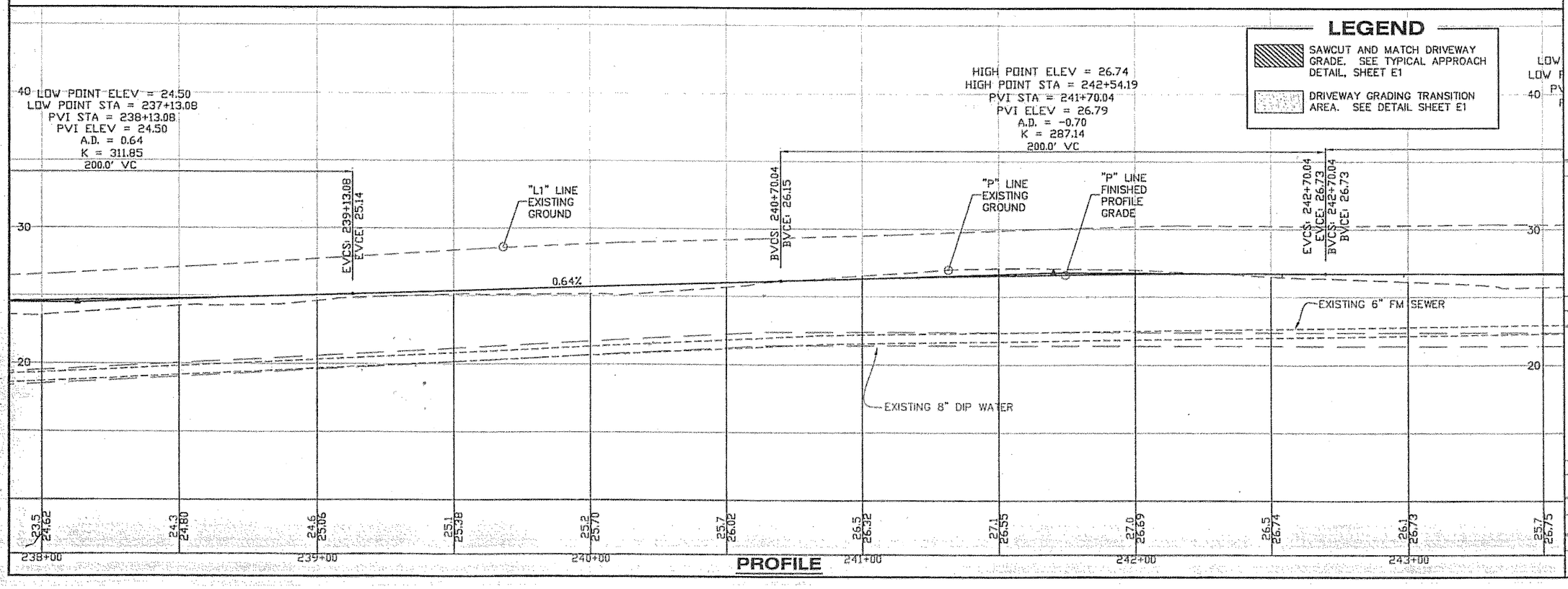
PROJECT DESIGNATION NUMBER

68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F7	89



PLAN



PROFILE

PATH:
G:\Psg\68165\Planset\F_Plan.dwg
lrobertson

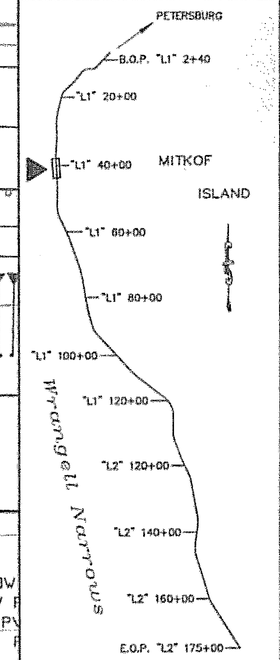
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

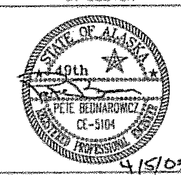
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER



CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

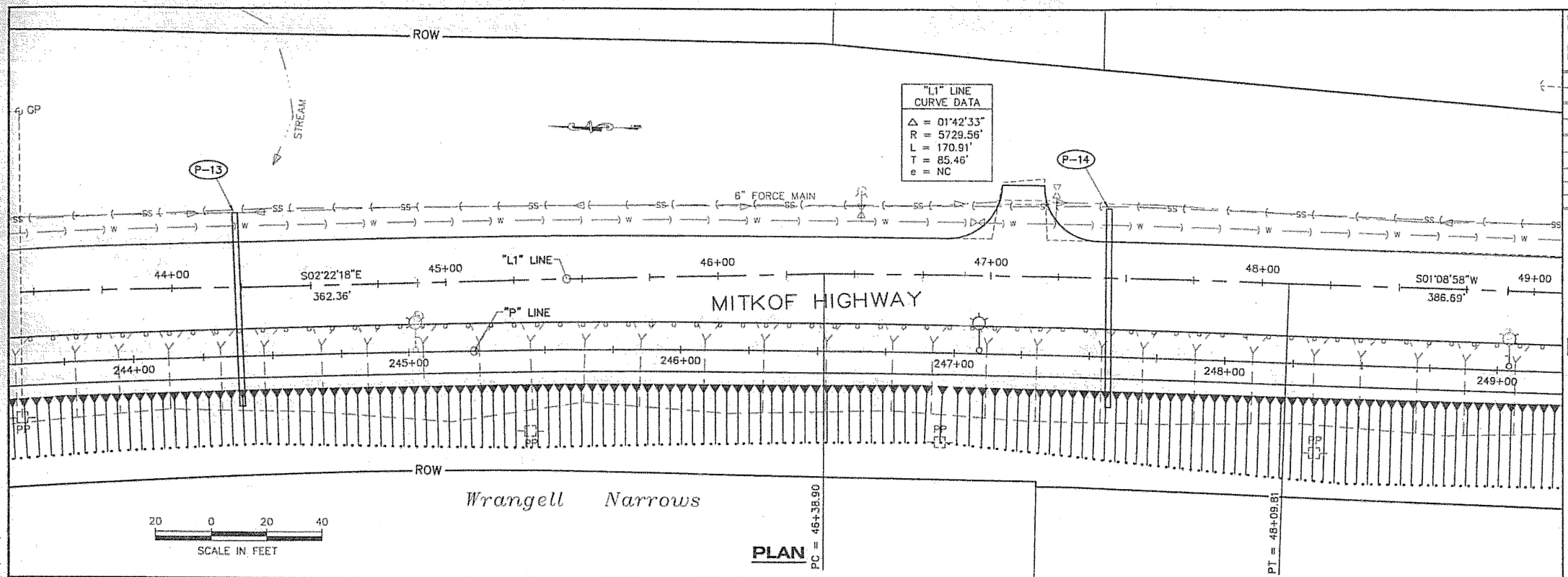
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SE REGION

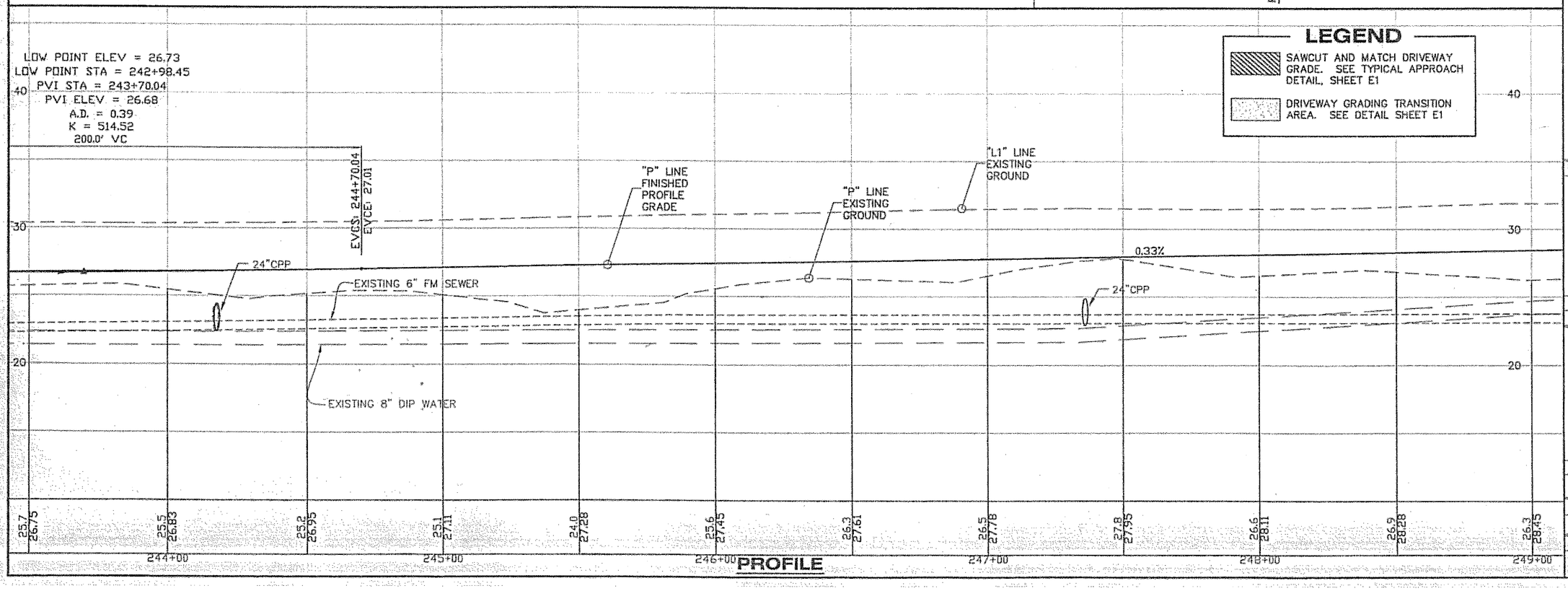
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

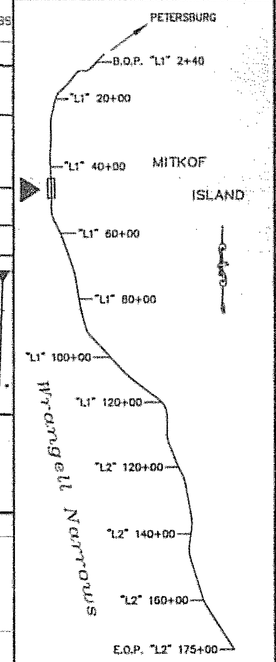
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F8	89





LEGEND

- SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
- DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1



VIEW LOCATION MAP

PATH: D:\Psg\68165\Planset\F_Plan.dwg lrobertson
PLOT: PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER

4/15/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SE REGION

PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F9	89

REMOVE CONCRETE AND SEPARATE DRIVEWAYS. REGRADE TO MATCH EXISTING DRIVEWAYS. SEE SHEETS D4 AND E1.

"L1" LINE CURVE DATA
Δ = 26°59'30"
R = 716.20'
L = 337.40'
T = 171.89'
e = 5.7%

SHARLA SUE
ROW
AIR VALVE
PC = 51+96.50
WESTERLY
PP
P-15
SS MH
FORCE MAIN
CHOKE FF
49+00
S01°08'58"W
386.69'
50+00
"L1" LINE
51+00
MITKOF HIGHWAY
52+00
53+00
54+00
"P" LINE
250+00
251+00
252+00
253+00
254+00
SS MH
HOUSE 188
DECK
BOULDER
ROW

PLAN

20 0 20 40
SCALE IN FEET

PETERSBURG
B.O.P. "L1" 2+40
"L1" 20+00
"L1" 40+00
MITKOF ISLAND
"L1" 60+00
"L1" 80+00
"L1" 100+00
"L1" 120+00
"L2" 120+00
"L2" 140+00
"L2" 160+00
E.O.P. "L2" 175+00
Wrangell Narrows

VIEW LOCATION MAP

LEGEND
SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

PVI STA = 252+00
PVI ELEV = 29.45
A.D. = 0.64
K = 469.45
300.0' VC

HIGH POINT ELEV = 31.12
HIGH POINT STA = 253+94.83
PVI STA = 254+00
PVI ELEV = 31.39
A.D. = -2.17
K = 46.10
100.0' VC

"P" LINE FINISHED PROFILE GRADE
"P" LINE EXISTING GROUND
"L1" LINE EXISTING GROUND
BVCS: 250+50
BVCE: 28.95
EVCS: 253+50
EVCE: 30.91
EVCS: 254+50
EVCE: 30.79
EXISTING 8" DIP WATER
24"CPP
EXISTING 6" FM SEWER
EXISTING 8" AC SEWER

50
40
30
20

26.3 28.45 | 26.7 28.61 | 27.1 28.78 | 27.9 28.95 | 28.7 29.14 | 29.2 29.39 | 29.4 29.69 | 30.2 30.04 | 30.9 30.45 | 31.0 30.91 | 30.9 31.12 | 30.0 30.79

249+00 250+00 251+00 252+00 253+00 254+00

PROFILE

PATH: G:\Psg\68165\Planset\F_Plan.dwg lrobertson
PLOT: PSPACE 1=1(F) OR MSPACE 1=30(F)

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ATTACHMENT NUMBER

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DESIGNED BY: D. LESTER
CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F10	89

PT = 55+33.89

ROW

STREAM

Sta. 57+15 LT
D/W Permit # 133773 w=20'

STREAM

CLEAN OUT DITCH TO DRAIN

CLEAN OUT CULVERT

HOUSE 201

55+00 | 56+00 | "L1" LINE | 57+00 | S25°50'32"E 450.62' | 58+00 | 59+00 | 60+00

MITKOF HIGHWAY

"P" LINE

6" FORCE MAIN

255+00 | 256+00 | 257+00 | 258+00 | 259+00 | 260+00

ROW

P-16

SWERVE PATH TO AVOID POLE

REGRADE PULLOUT TO DRAIN

P-17

LIFT STATION

S-9

TRENCH INLET SEE DRIVEWAY DETAIL SHEET G3

SWERVE PATH TO AVOID POLE

SWERVE PATH TO AVOID POLE

GARAGE

HOUSE 194

DO NOT REMOVE TREES UNLESS APPROVED BY ENGINEER. TRIM AS NECESSARY.

S-10

P-48

SWERVE PATH TO AVOID POLE

P-18

DELETED

Note: Between Sta 54+00 and 96+85 the pathway abuts the pavement of Mitkof Hwy. No 5' gap between.

20 0 20 40
SCALE IN FEET

PLAN

LOW POINT ELEV = 27.49
LOW POINT STA = 258+63.92
PVI STA = 258+38.11
PVI ELEV = 26.15
A.D. = 2.17
K = 230.44
500.0' VC

LEGEND

- SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
- DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

EVCS: 254+50
EVCE: 30.79

BVCS: 255+88.11
BVCE: 29.14

-1.20%

"P" LINE EXISTING GROUND

"P" LINE FINISHED PROFILE GRADE

"L1" LINE EXISTING GROUND

24"CPP

EXISTING 6" FM SEWER

24"CPP

EXISTING LIFT STATION

EXISTING 8" DIP WATER

EXISTING 8" AC SEWER

40 | 30 | 20

30.0 30.79 | 29.2 30.20 | 29.0 29.60 | 29.0 29.00 | 28.5 28.48 | 27.7 28.07 | 27.0 27.77 | 27.0 27.58 | 27.0 27.49 | 27.2 27.52 | 27.1 27.65 | 27.4 27.89

255+00 | 256+00 | 257+00 | 258+00 | 259+00 | 260+00

PROFILE

PATH:
O:\Psg\68165\Planset\F_Plan.dwg
lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

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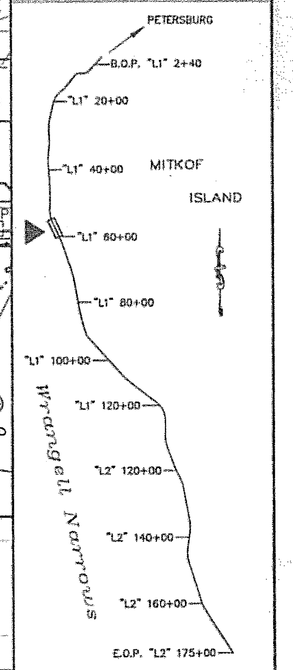

VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
249th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH &
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68165-68242

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ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F11	89

Existing CMP was removed from inlet to approx 20' Rt. of Sta 61+00
Remainder of existing CMP was filled w/ concrete slurry - See C.O. #3

SEAL INLET AND OUTLET OF EXISTING CULVERT

P-19A

CONC. FND.

KING'S ROW ROAD

ROW

S-12

Sta 60+40 W=24

GP

AIR VALVE

P-20

MARIFERN HOUSE

60+00 61+00 62+00 "L1" LINE 63+00 64+00 S19°36'01"E 754.19' 65+00

"P" LINE

MITKOF HIGHWAY

Sta 64+68 W=49

W=49

261+00 262+00 263+00 264+00 265+00

MH

ROW

PP

Sta 6+00 W=16

P-18

DELETED

P-17

S-11

FUGLVOG HOUSE 200

P-19B

PT = 61+92.57

ROCK WALL

DECK

HOUSE 210 PERSCHOM

ROCKERY WALL NO. 2
SEE DETAIL SHEETS E6 & E8

Deleted

ROCKERY WALL NO 3
SEE DETAIL SHEETS E6 & E8

Deleted

WARE HOUSE 214

20 0 20 40
SCALE IN FEET

PLAN

"L1" LINE CURVE DATA

△	= 06°14'30"
R	= 1909.86'
L	= 208.06'
T	= 104.13'
e	= 3.5%

Class III Riprap

Class III Riprap

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

HIGH POINT ELEV = 32.27
HIGH POINT STA = 265+49.99
PVI STA = 265+10.41
PVI ELEV = 32.69
A.D. = -1.48
K = 169.18
250.0' VC

40

30

20

EVCS: 260+88.11
EVCE: 28.58

"L1" LINE EXISTING GROUND

0.97%

BVCS: 263+85.41
BVCE: 31.47

"P" LINE FINISHED PROFILE GRADE

"P" LINE EXISTING GROUND

24"CPP

EXISTING 8" DIP WATER

36"CPP

EXISTING 8" AC SEWER

27.4	27.89	27.6	28.24	29.0	28.70	29.0	29.18	29.4	29.67	29.7	30.16	30.3	30.64	30.6	31.13	30.8	31.61	31.4	31.98	31.7	32.20	31.4	32.27

260+00 261+00 262+00 263+00 264+00 265+00

PROFILE

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PLOT: PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PETERSBURG
B.O.P. "L1" 2+40
"L1" 20+00
"L1" 40+00
MITKOF ISLAND
"L1" 60+00
"L1" 80+00
"L1" 100+00
"L1" 120+00
"L2" 120+00
"L2" 140+00
"L2" 160+00
E.O.P. "L2" 175+00
Wrangell Narrows

VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

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PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
F12	89

PATH:
G:\Psg\68165\Planset\F_Plan.dwg
- Robertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

HOUSE 217
GARAGE
ROW
ODIN LANE
RETAINING WALL
AIR VALVE
P-21
66+00
S19°36'01"E
754.19'
67+00
"L1" LINE
68+00
69+00
70+00
71+00
MITKOF HIGHWAY
"P" LINE
SS MH
266+00
267+00
268+00
269+00
270+00
271+00
DECK
ROW
BERG HOUSE 218
GARAGE
WELL
SWERVE PATH TO AVOID TIMBER DECK SEE SPECIAL DRIVEWAY CASES, SHEET G4
Lawcen HOUSE
GARAGE
SHED
PP
ROCK WALLS
WELL
S-13
LYNCH HOUSE 228
CAR PORT
GARAGE
APPROX. LOCATIONS
59+46.76
ROCK WALL
PP
SHED
SHED
PLANTER BOX
DAWSON HOUSE 230
& E8
20 0 20 40
SCALE IN FEET

PLAN

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

LOW POINT ELEV = 30.76
LOW POINT STA = 269+16.30
PVI STA = 269+69.57
PVI ELEV = 30.37
A.D. = 2.16
K = 92.54
200.0' VC

EVCS: 266+35.41
EVCE: 32.06
"P" LINE EXISTING GROUND
"L1" LINE EXISTING GROUND
BVCS: 268+69.57
BVCE: 30.88
"P" LINE FINISHED PROFILE GRADE
EVCS: 270+69.57
EVCE: 32.03
-0.50%
24"CPP
EXISTING 8" DIP WATER
EXISTING 8" AC SEWER

31.4	32.27	31.3	32.20	31.3	31.98	31.3	31.73	30.8	31.48	30.5	31.23	30.5	30.97	30.7	30.77	30.1	30.82	31.0	31.14	31.4	31.72	32.2	32.53

266+00 267+00 268+00 **PROFILE** 269+00 270+00 271+00

PETERSBURG
B.O.P. "L1" 2+40
"L1" 20+00
"L1" 40+00
MITKOF ISLAND
"L1" 60+00
"L1" 80+00
"L1" 100+00
"L1" 120+00
"L2" 120+00
"L2" 140+00
"L2" 160+00
E.O.P. "L2" 175+00
Frederick Sound

VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

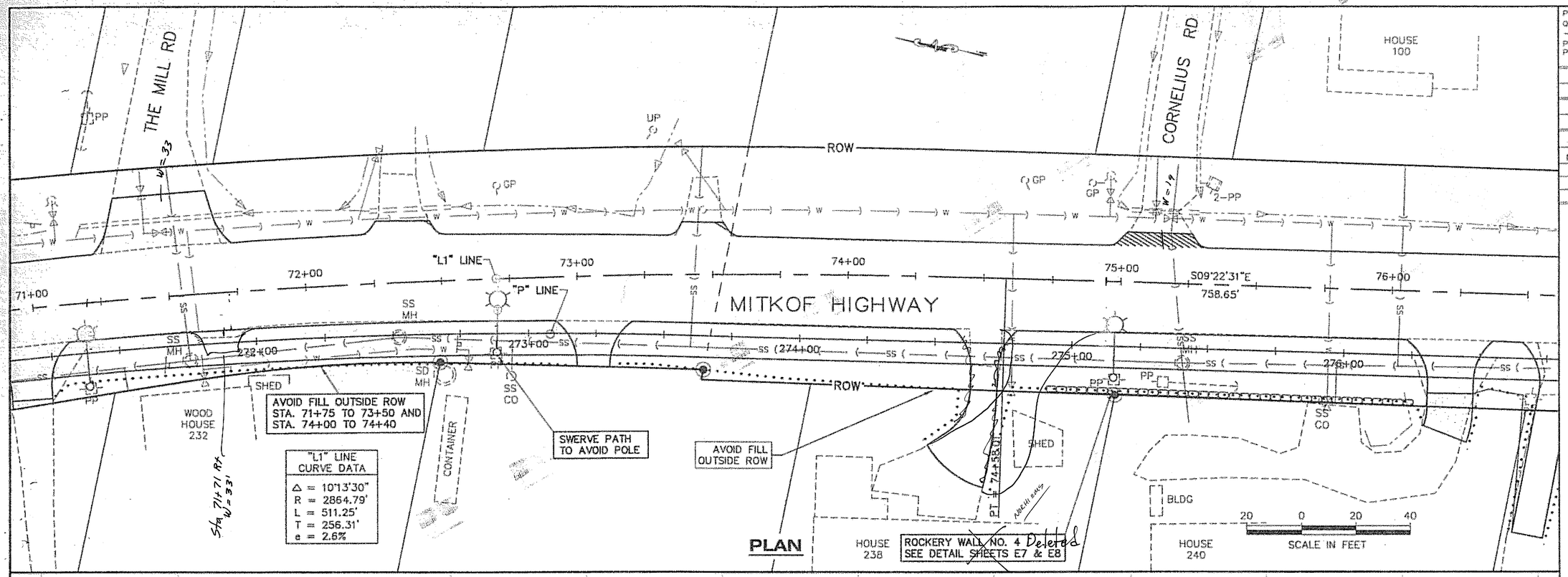
CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

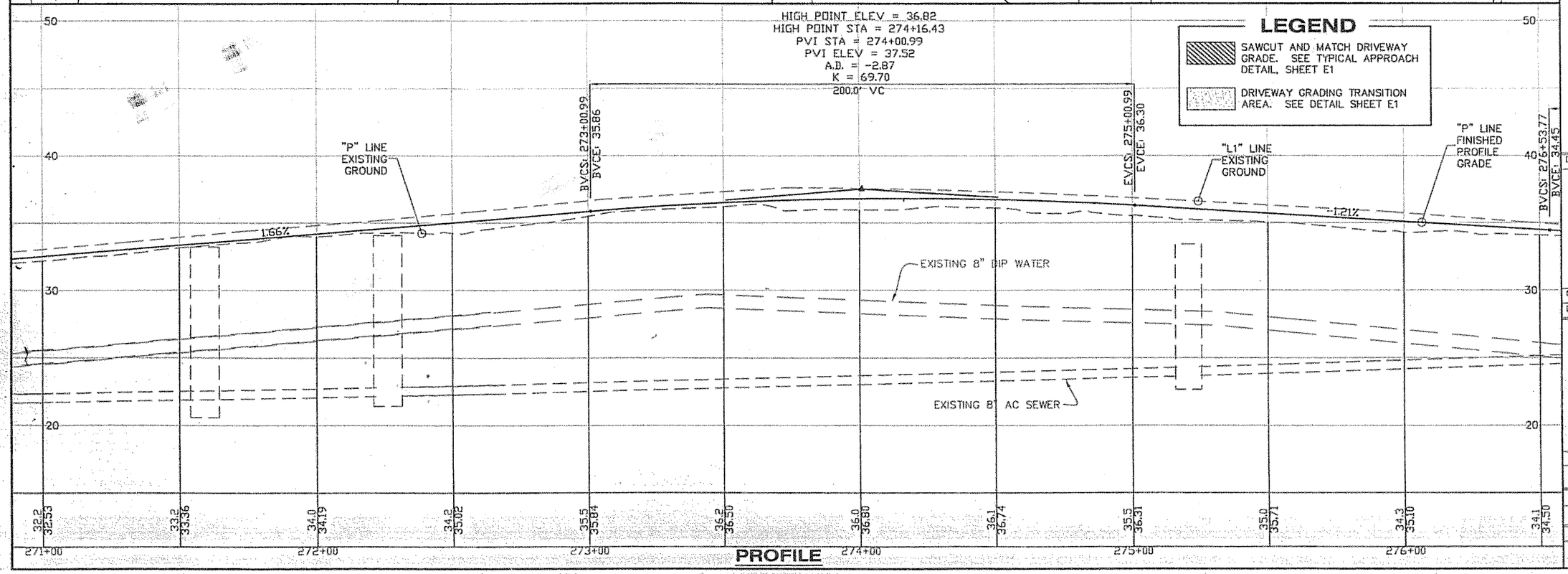
PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F13	89



PLAN



PROFILE

LEGEND

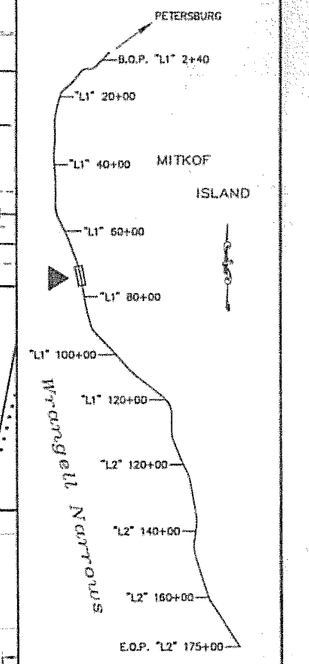
- SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
- DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

PATH:
Q:\Psg\68165\Planset\F_Plan.dwg
-- lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F14	89

HOUSE 243

LYON'S RD

TOE OF RIPRAP

ROCKY'S MARINE GRAVEL PAD

ROW

77+00 "L1" LINE

78+00

S09°22'31"E 758.65'

79+00

80+00

81+00

82+00

"P" LINE

MITKOF HIGHWAY

277+00 278+00 279+00 280+00 281+00 282+00

MH

SS

CO

PP

W

ISHED

AVOID FILL OUTSIDE ROW

P-22

CONC. RET. WALL

Deleted

ROCKERY WALL NO. 5
SEE DETAIL, SHEETS E7, E8 & E9

HOUSE 242

HOUSE 244

ROCK WALLS

GARAGE

HOUSE 246

20 0 20 40

SCALE IN FEET

PLAN

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

LOW POINT ELEV = 32.89
LOW POINT STA = 279+11.19
PVI STA = 278+53.77
PVI ELEV = 32.02
A.D. = 1.88
K = 212.20
400.0' VC

BVCS: 276+53.77
BVCE: 34.45

EVCS: 280+53.77
EVCE: 33.37

"L1" LINE EXISTING GROUND

"P" LINE FINISHED PROFILE GRADE

"P" LINE EXISTING GROUND

57"W x 38"H CAPA

EXISTING 8" AC SEWER

EXISTING 8" DIP WATER

50 40 30

34.1 34.50 | 33.1 33.94 | 33.0 33.50 | 32.2 33.18 | 32.4 32.98 | 32.4 32.89 | 33.0 32.92 | 32.5 33.07 | 32.9 33.34 | 33.2 33.68 | 33.8 34.01 | 34.0 34.35

277+00 278+00 279+00 280+00 281+00 282+00

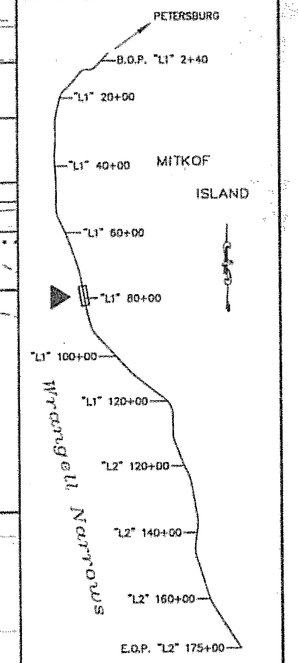
PROFILE

PATH:
Q:\Psq\68165\Planset\F_Plan.dwg
- lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ

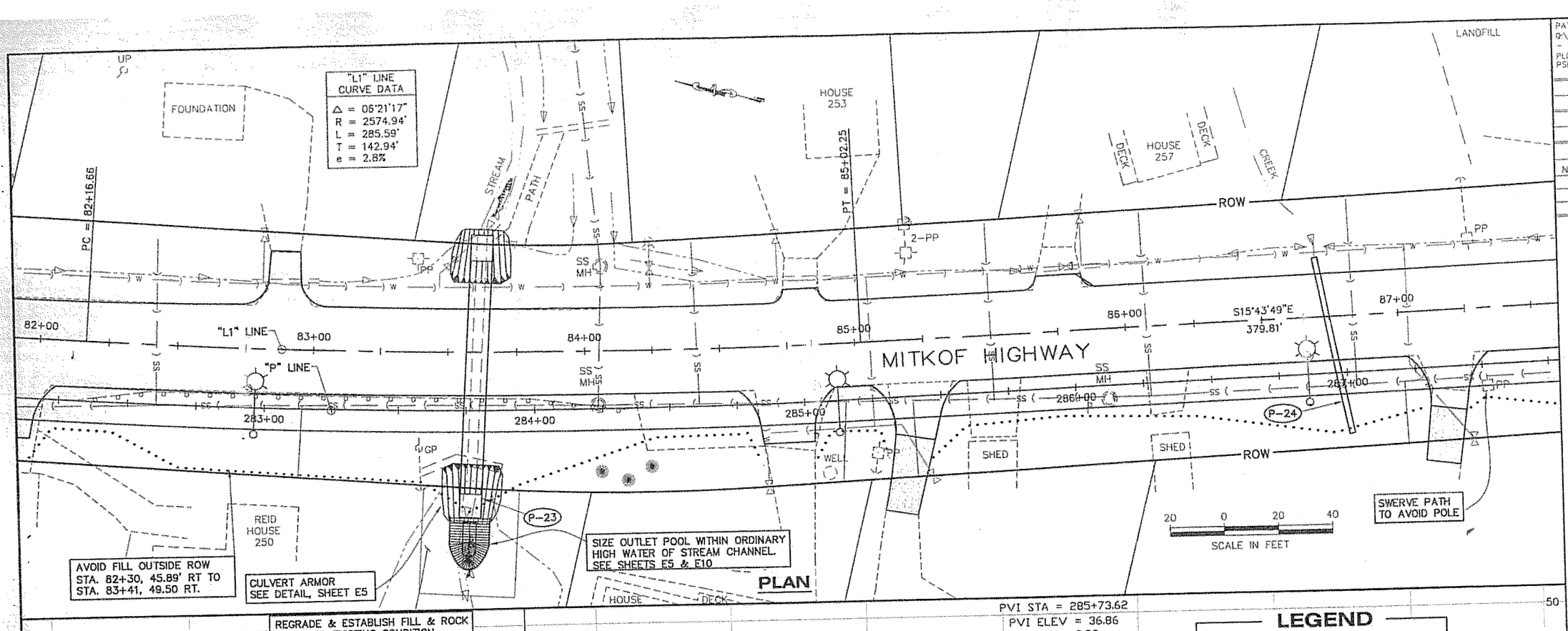
DRAWN BY: L. ROBERTSON

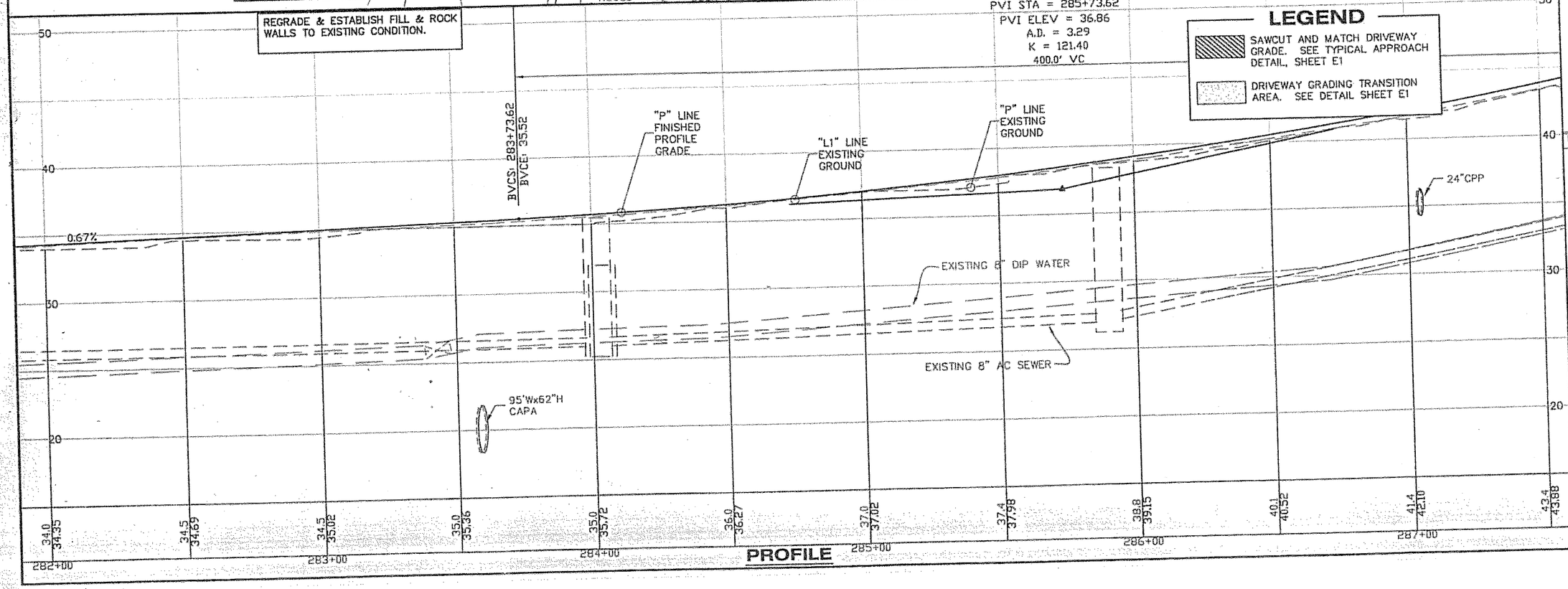
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F15	89





LEGEND

- SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
- DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

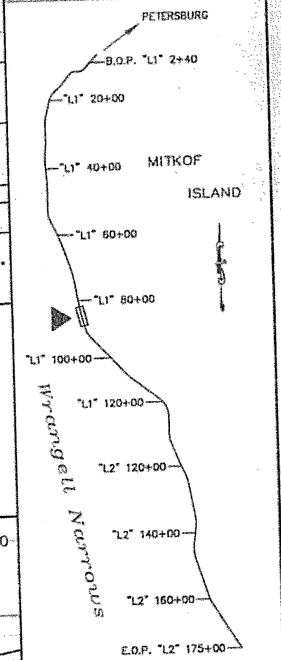
PATH: O:\Psg\68165\Planset\F_Plan.dwg
– lrobertson
PLOT: PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

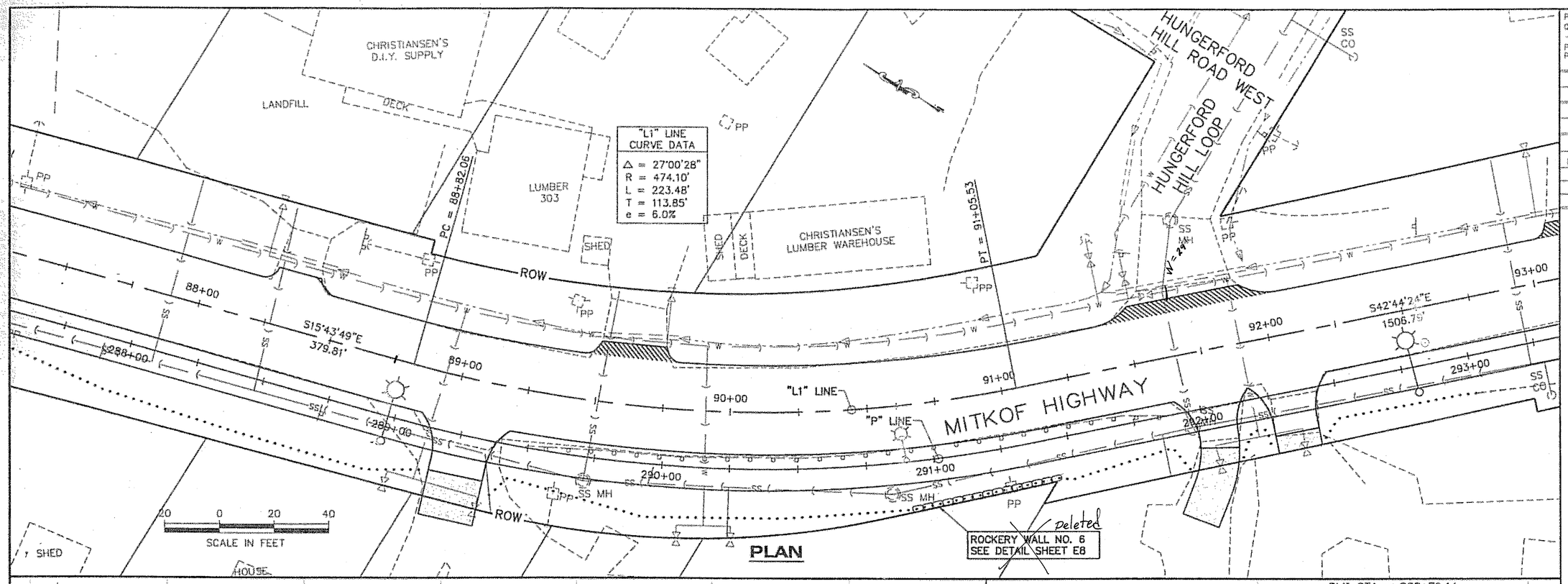
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION–SE REGION

PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

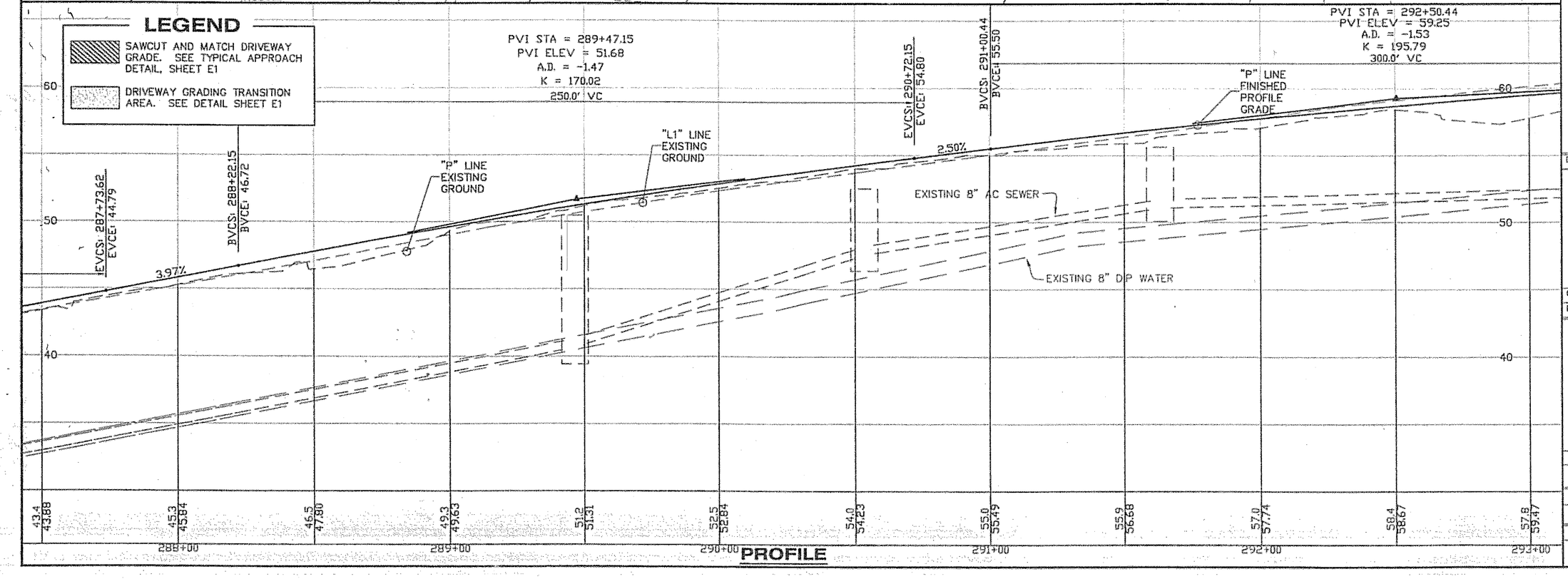
PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F16	89



LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1



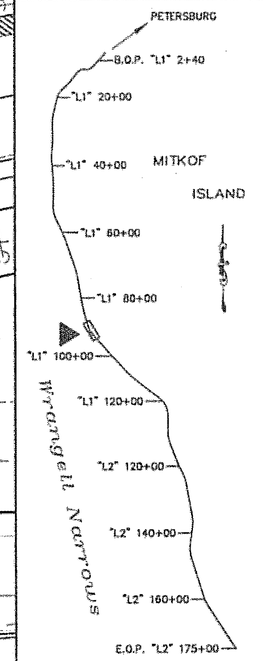
PATH:
Q:\Pag\58165\Planset\F_Plan.dwg
Robertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

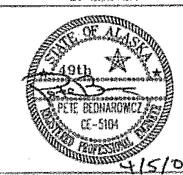
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER



CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F17	89

TONGASS MARINE

ROW

BLDG

PP

"L1" LINE

"P" LINE

93+00 94+00 95+00 96+00 97+00 98+00

S42°44'24"E 1506.79'

294+00 295+00 296+00 297+00 298+00

MITKOF HIGHWAY

SS MH

SS CO

GP

6" FORCE MAIN

REID DRIVE

GARAGE

GRAVEL PARKING

LOGS

P-25 P-26 P-27A F-14 P-27B F-19

PLACE P-27 CULVERTS IN EXISTING DITCH LINE, AVOID CUT OR FILL OUTSIDE ROW
STA. "L1" 97+50, 32.88' RT TO
STA. "L1" 99+00, 36.49' RT.

20 0 20 40
SCALE IN FEET

PLAN

HIGH POINT ELEV = 61.28
HIGH POINT STA = 294+99.34
PVI STA = 295+97.18
PVI ELEV = 62.59
A.D. = -4.37
K = 80.02
350.0' VC

"P" LINE FINISHED PROFILE GRADE

EVCS: 294+00.44
EVCE: 60.69

BVCS: 294+22.18
BVCE: 60.90

"L1" LINE EXISTING GROUND

0.96%

EXISTING 8" DIP WATER

EXISTING 8" AC SEWER

"P" LINE EXISTING GROUND

EVCS: 297+72.18
EVCE: 56.62

-3.41%

EXISTING 8" FM SEWER

BVCS: 298+50
BVCE: 53.97

EXISTING 8" AC SEWER

70 60 50

57.8 59.47 | 59.0 60.14 | 60.0 60.69 | 61.0 61.12 | 60.2 61.28 | 59.9 61.12 | 59.4 60.64 | 58.9 59.86 | 58.0 58.76 | 56.3 57.35 | 55.8 55.68 | 52.8 53.97

293+00 294+00 295+00 296+00 297+00 298+00

PROFILE

LEGEND

- SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
- DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

PATH:
G:\Proj\68165\Planset\F_Plan.dwg
lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PETERSBURG

B.O.P. "L1" 2+40
"L1" 20+00
"L1" 40+00
MITKOF ISLAND
"L1" 60+00
"L1" 80+00
"L1" 100+00
"L1" 120+00
"L2" 120+00
"L2" 140+00
"L2" 160+00
E.O.P. "L2" 175+00

Wrangell Narrows

VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-SE REGION

PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F18	89

OLSON ROAD

w=33'

ROW

HOUSE

SHED

HOUSE

SHED

PP

SS CO

99+00

S42°44'24"E
1506.79'

100+00

"L1" LINE

101+00

102+00

103+00

104+00

"P" LINE

MITKOF HIGHWAY

SS MH

299+00

300+00

301+00

302+00

303+00

304+00

6" FORCE MAIN

6" FORCE MAIN

ROW

P-28

F-15

P-27C

STORAGE SHED

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

PLAN

20 0 20 40

SCALE IN FEET

600.0' VC
PVI STA = 301+50
PVI ELEV = 43.74
A.D. = 0.82
K = 729.20

"P" LINE EXISTING GROUND

"P" LINE FINISHED PROFILE GRADE

"L1" LINE EXISTING GROUND

EXISTING 8" DIP WATER

EXISTING 8" FM SEWER

24"CPP

EXISTING 8" AC SEWER

50

40

30

52.8 53.97 | 51.9 52.28 | 49.7 50.63 | 48.0 49.01 | 46.3 47.43 | 44.6 45.88 | 43.3 44.36 | 41.8 42.88 | 40.4 41.43 | 39.0 40.02 | 38.1 38.64 | 36.4 37.29

299+00 300+00 301+00 302+00 303+00 304+00

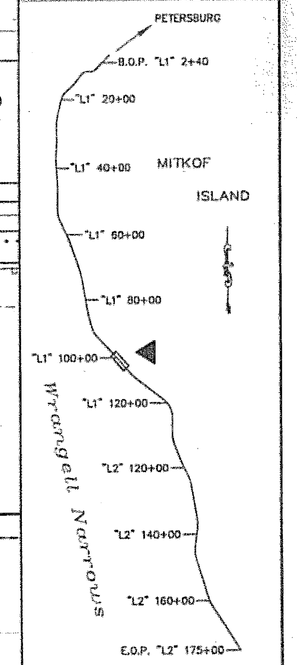
PROFILE

PATH:
Q:\Psg\68165\Planset\F_Plan.dwg
lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=J0(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F19	89

PATH:
G:\Psg\68165\Planset\F_Plan.dwg
-
lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

"L1" LINE CURVE DATA
Δ = 09°30'30"
R = 1432.40'
L = 237.71'
T = 119.13'
e = 4.1%

PC = 106+12.32
PT = 108+50.03
105+54 Ave. W=19'
S42°44'24"E 1506.79'
MITKOF HIGHWAY
ROW
S-16
P-45
P-29
P-30
P-24
"L1" LINE
"P" LINE
104+00
105+00
106+00
107+00
108+00
109+00
308+13.20
308+00
307+00
305+00
306+00
6" FORCE MAIN
LIFT STATION
VAULT
MH
PP
SS
W
GP
STREAM
BEGIN RECESSED PAVEMENT MARKERS SEE STD. DWG. T-06.00
SAWCUT AND MATCH EXISTING PAVEMENT
W= R3'
INCREASE RADIUS TO 40' FOR RIGHT TURNS ONTO HIGHWAY
CULVERT ARMOR & POOL SEE DETAIL, SHEET E5
END PATH
STA. "P" 308+13.20
SCOW BAY LOOP ROAD
MOBILE HOME
SIZE OUTLET POOL WITHIN ORDINARY HIGH WATER OF STREAM CHANNEL. SEE SHEETS E5 & E10
20 0 20 40
SCALE IN FEET

PLAN

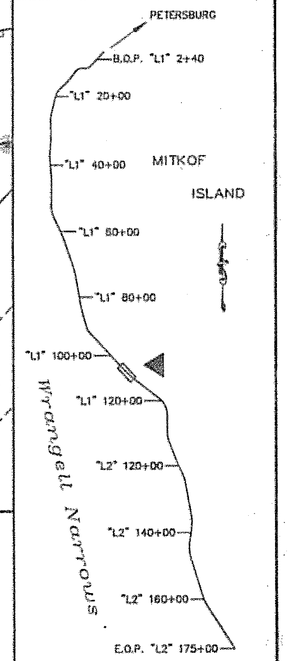
LOW POINT ELEV = 31.81
LOW POINT STA = 306+93.93
PVI STA = 306+53.44
PVI ELEV = 30.72
A.D. = 3.91
K = 63.97
250.0' VC

EVCS: 304+50
EVCE: 35.98
BVCS: 305+28.44
BVCE: 33.95
EVCS: 307+78.44
EVCE: 32.37
"P" LINE EXISTING GROUND
"P" LINE FINISHED PROFILE GRADE
"L1" LINE EXISTING GROUND
-2.59%
1.32%
EXISTING 8" FM SEWER
24" CPP
EXISTING 8" AC SEWER
103"Wx71"H CAPA
EXISTING 8" DIP WATER
40
30
20
36.4 37.29
35.6 35.98
34.5 34.69
32.6 33.43
31.3 32.50
30.5 31.96
31.0 31.82
30.8 32.06
32.0 32.66
32.5 32.83
304+00
305+00
306+00
307+00
308+00

PROFILE

LEGEND

- SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
- DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

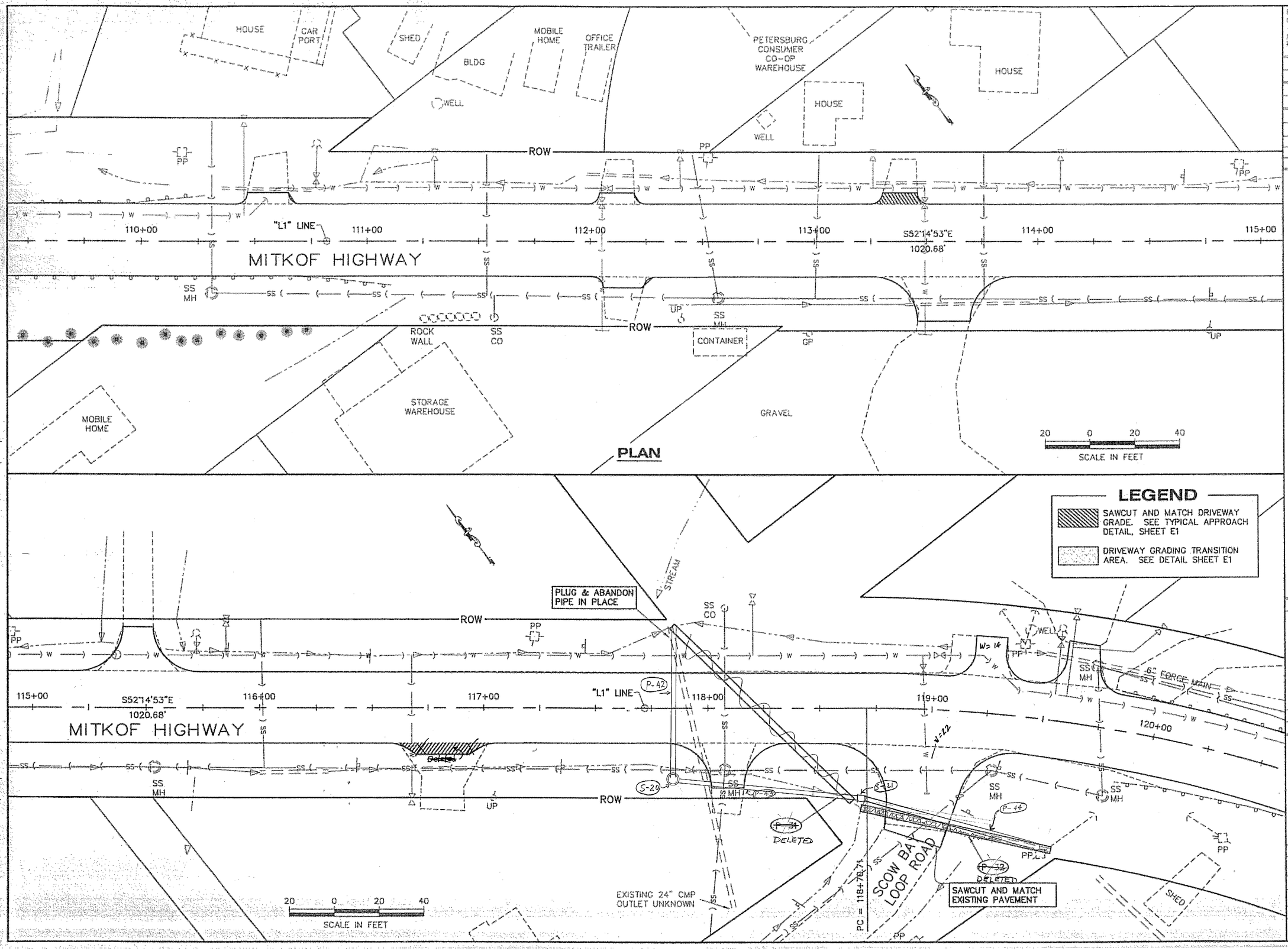
STATE OF ALASKA
49th
PETE BEDNAROWICZ JR.
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F20	89



PATH:
O:\Psg\68165\Planset\F_Plan.dwg
- lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
REGISTERED PROFESSIONAL ENGINEER
PETE BEDNAROWICZ
CE-5104
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F21	89

P-46 (Extends Existing)

AVOID NEW RIPRAP OUTSIDE ROW

MOBILE HOME

P-33

6" FORCE MAIN

"L1" LINE

MITKOF HIGHWAY

CAUTION: PRIVATE WATER SERVICE CROSSES HWY IN VICINITY OF CULVERT

SHED

STREAM

ROW

HOUSE

RAMP

PCP

PP

SS CO

MH SS

W

P-34

PT = 124+59.38

S00°43'54"W 484.09'

"L1" LINE CURVE DATA

Δ =	52°58'46"
R =	636.62'
L =	588.66'
T =	317.27'
e =	5.9%

20 0 20 40

SCALE IN FEET

PLAN

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

"L1" LINE CURVE DATA

Δ =	22°06'47"
R =	716.20'
L =	276.41'
T =	139.95'
e =	5.7%

PC = 129+43.47

STA 129+07 W=27'

CONC. UTIL. VAULT

3-GP

2-GP

7" PP

6" FORCE MAIN

LIFT STATION

MITKOF HIGHWAY

S00°43'54"W 484.09'

WOOD RET. WALL TOP 5' HIGH

A.M.L. FREIGHT OFFICE

GP

20 0 20 40

SCALE IN FEET

PATH:
Q:\Psg\68165\Planset\F_Plan.dwg
lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PETERSBURG

B.O.P. "L1" 2+40

"L1" 20+00

"L1" 40+00

MITKOF ISLAND

"L1" 60+00

"L1" 80+00

"L1" 100+00

"L1" 120+00

"L2" 120+00

"L2" 140+00

"L2" 160+00

E.O.P. "L2" 175+00

Narrows

VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER

9/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F22	89

PT = 132+19.88

ROW

PP

SS MH

W

P-38

P-39

STREAM

132+00 133+00 "L1" LINE 134+00 S21°27'49"E 468.12' 135+00 136+00 137+00

MITKOF HIGHWAY

P-36

Deleted

S-17

S-18

S-19

P-40

SD MH

UP

P-37

DELETED

FILL AROUND MANHOLE TO SURROUNDING GRADE

BLDG

PAD MOUNT TRANSFORMER

CONTAINER

20 0 20 40

SCALE IN FEET

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

FILL AROUND MANHOLE TO SURROUNDING GRADE

AML OFFICE

PLAN

"L2" LINE CURVE DATA

Δ = 05°37'57"
R = 1637.02'
L = 160.93'
T = 80.53'
e = 3.8%

STA BK: 137+99.90
STA AHD: 116+00

PC = 116+45.94

PT = 118+06.87

HOUSE

STREAM

Rock Road Pit

137+00 S21°31'59"E 157.84' "L1" LINE 116+00 "L2" LINE 117+00 118+00 119+00 S27°12'39"E 222.73' 120+00

MITKOF HIGHWAY

Sta 119+26 W=14'

SS MH

OFFICE TRAILER

BLDG

FUEL VENT

UP

WATER TANK

SAND & GRAVEL PILE

CONCRETE PLANT

Traffic counter

Item 660(11A) in C.O. #5
Existing Traffic Counter loops were destroyed by milling of existing pavement. New loops installed on 8/19 & 8/20/05.

PC = 120+29.60

20 0 20 40

SCALE IN FEET

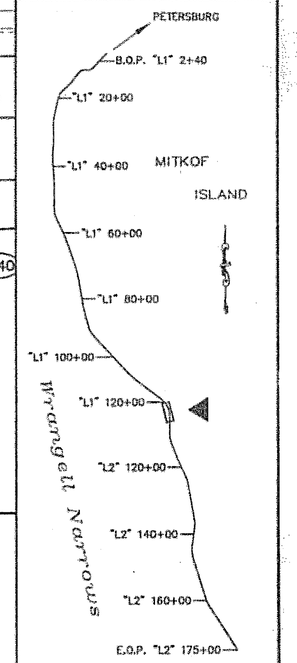
PATH:
Q:\Psg\68165\Planset\F_Plan.dwg
lrobertson
PLOT:
PSPACE 1=1(F) OR_MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

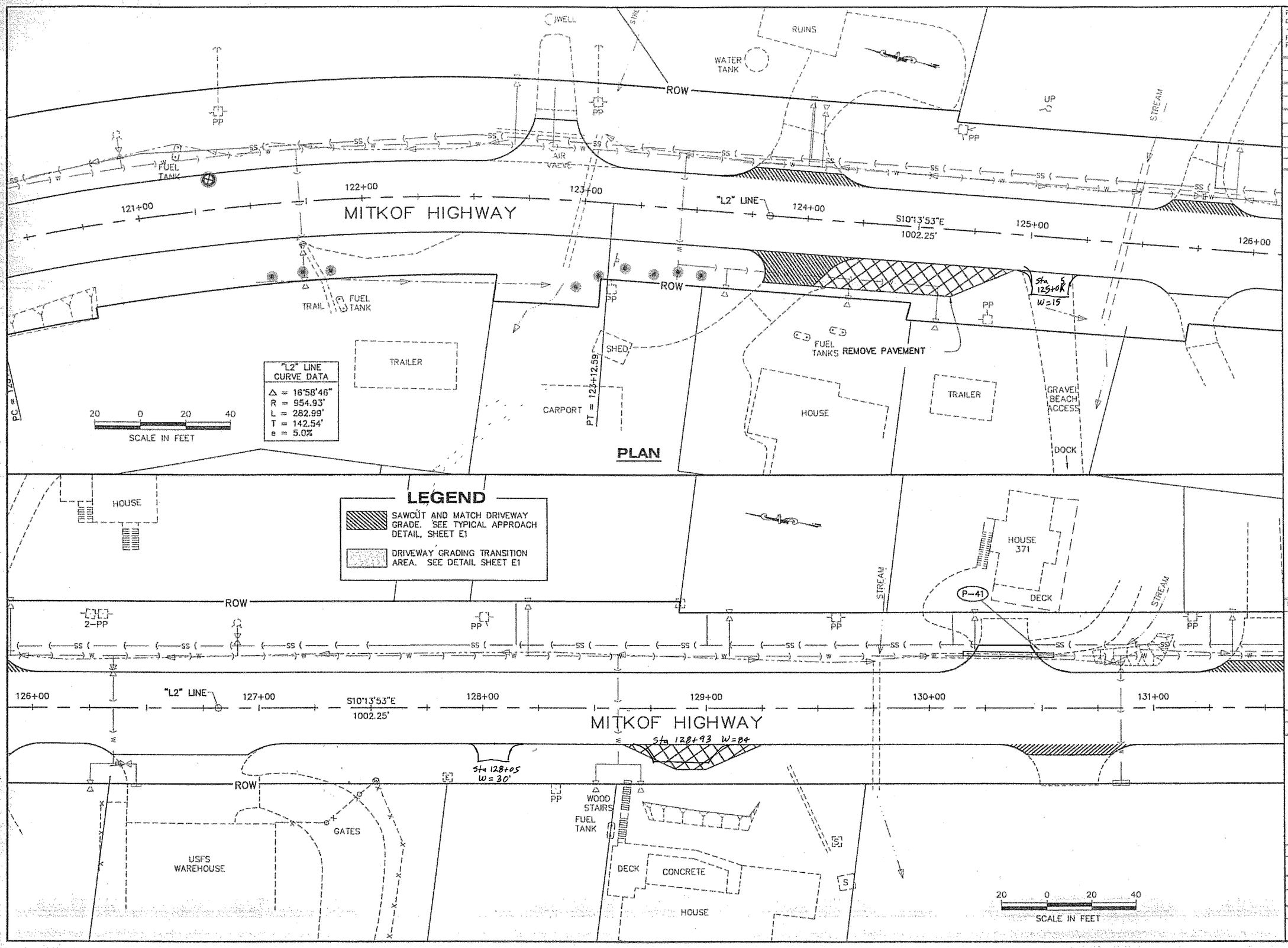
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION--SE REGION

PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F23	89

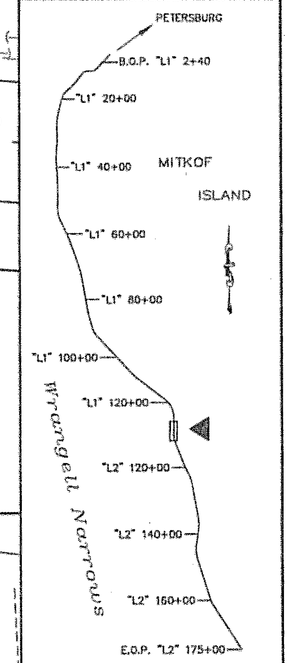


PATH:
O:\Pag\68165\Planset\F_Plan.dwg
- lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ JR. CE-5104 REGISTERED PROFESSIONAL ENGINEER
4/15/05

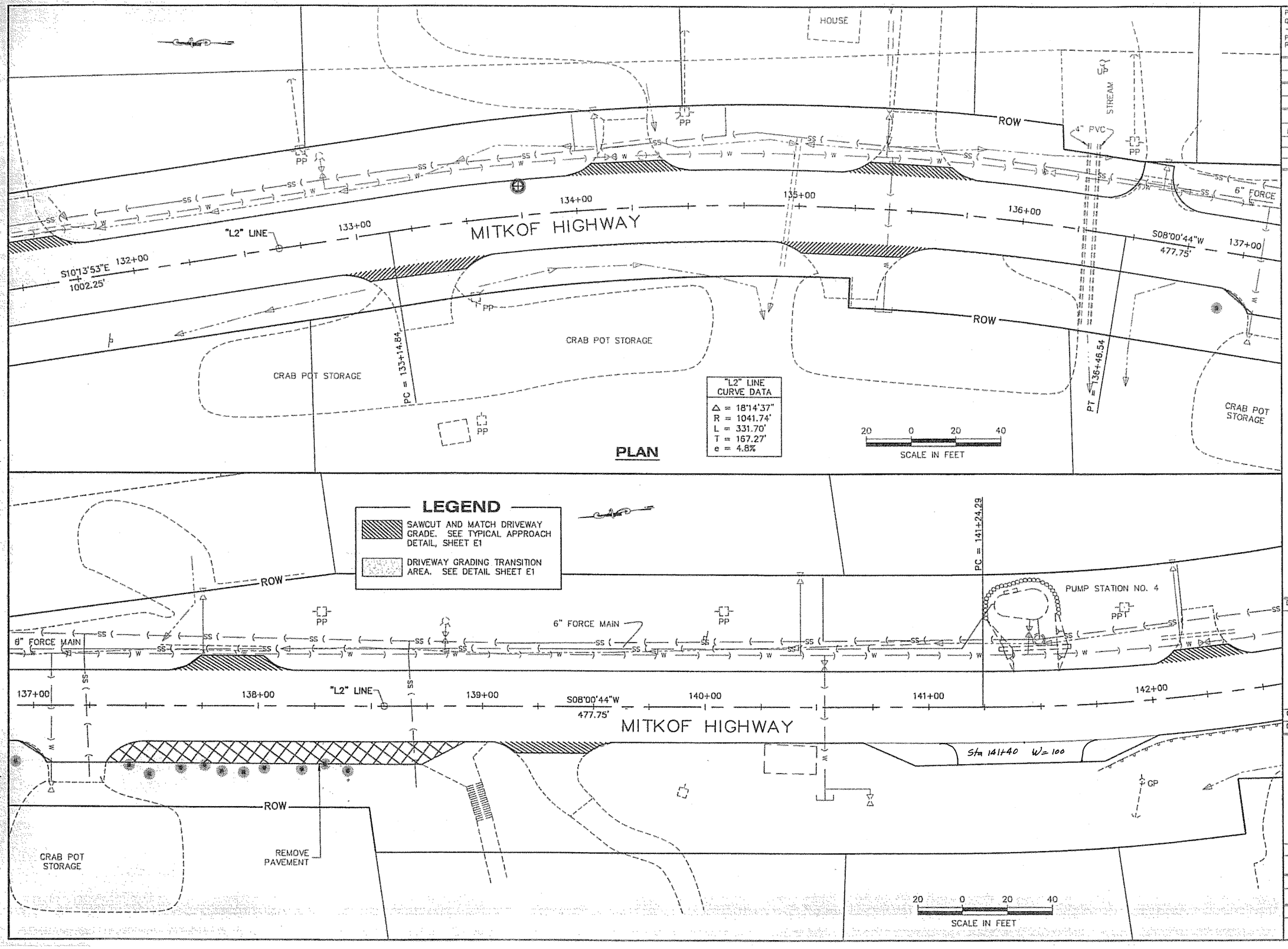
CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F24	89



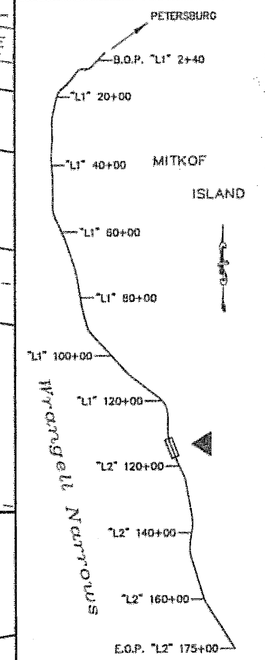
PATH:
Q:\Psg\68165\Planset\F_Plan.dwg
lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION—SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F25	89

"L2" LINE CURVE DATA
Δ = 25°18'00"
R = 881.47'
L = 389.23'
T = 197.84'
e = 5.2%

PT = 145+13.52

ROW

STREAM

143+00 144+00 "L2" LINE 145+00 146+00 147+00 S17°17'16"E 1219.59' 148+00

MITKOF HIGHWAY

PP GP SS W M

ABANDONED DRIVEWAY

GARDEN

WELL HOUSE

20 0 20 40
SCALE IN FEET

PLAN

BURIED SEPTIC TANK

YURTSVILLE RD

LEGEND

- SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1
- DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

W=14

148+00 "L2" LINE 149+00 150+00 151+00 S17°17'16"E 1219.59' 152+00 153+00

MITKOF HIGHWAY

FUEL TANK

DECK

WELL HOUSE

HOUSE

HOUSE

HOUSE

20 0 20 40
SCALE IN FEET

PATH:
Q:\Pag\68165\Planset\F_Plan.dwg
lrobertson

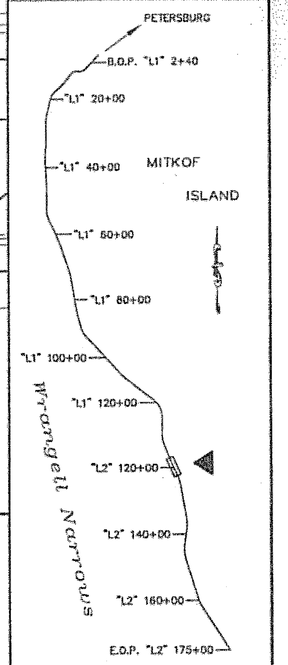
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

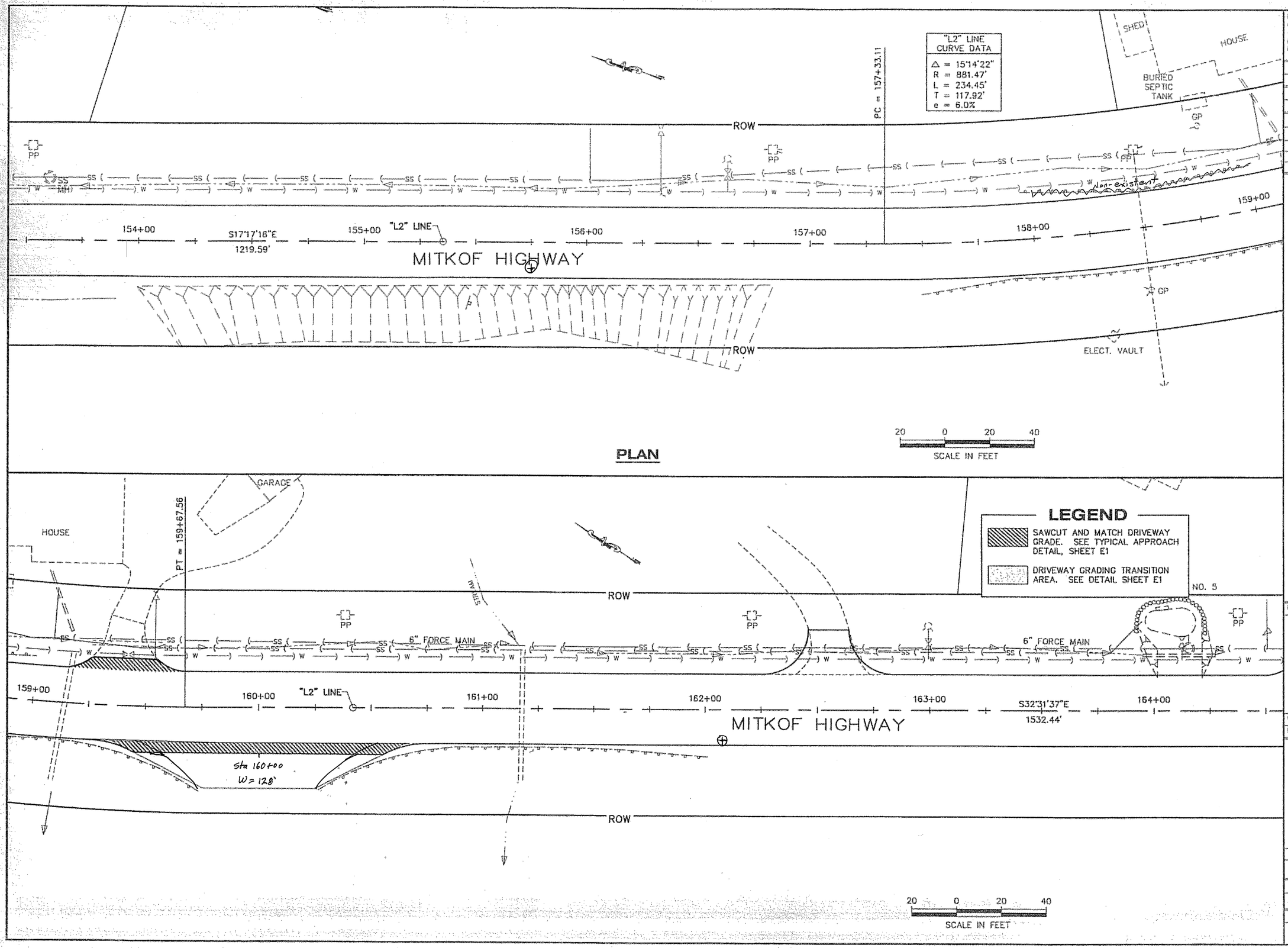
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F26	89



PATH:
G:\Psg\68165\Planset\F_Plan.dwg
– lrobertson
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION–SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F27	89

BLDG

STREAM

ROW

PP

SS

W

165+00

"L2" LINE

166+00

167+00

S32°31'37"E

1532.44'

168+00

169+00

170+00

MITKOF HIGHWAY

ROW

PLAN

20 0 20 40

SCALE IN FEET

LEGEND

SAWCUT AND MATCH DRIVEWAY GRADE. SEE TYPICAL APPROACH DETAIL, SHEET E1

DRIVEWAY GRADING TRANSITION AREA. SEE DETAIL SHEET E1

HOUSE 481

MILLER'S MANSION

ROW

STREAM

PP

SS

W

170+00

"L2" LINE

171+00

S32°31'37"E

1532.44'

172+00

173+00

174+00

175+00

MITKOF HIGHWAY

ROW

SAWCUT & MATCH EXISTING PAVEMENT, SEE PAVEMENT MATCH JOINT DETAIL SHEET E4

END RESURFACING
STA. "L2" 175+00

20 0 20 40

SCALE IN FEET

PATH:
Q:\Psg\68165\Planset\F_Plan.dwg
lrobertson

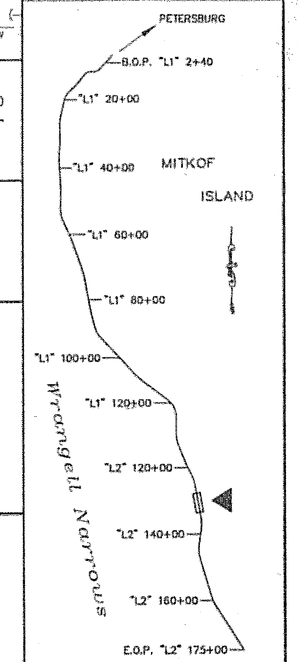
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



VIEW LOCATION MAP

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

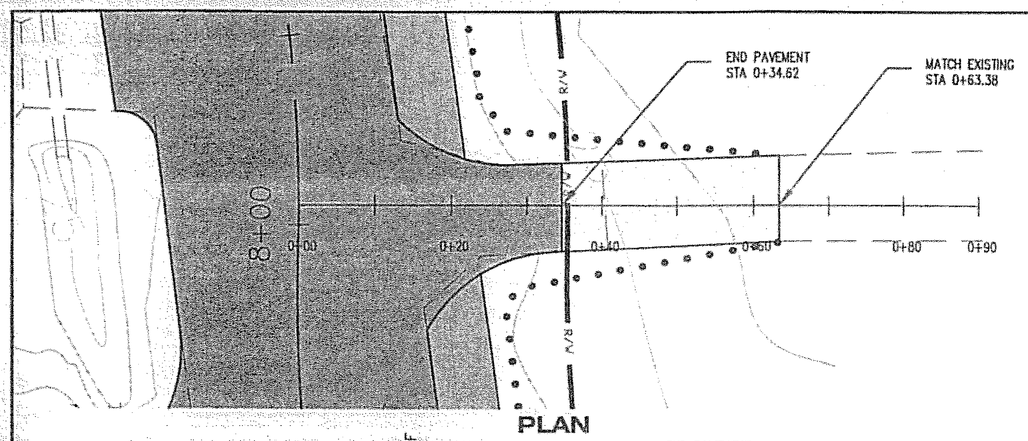
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION–SE REGION

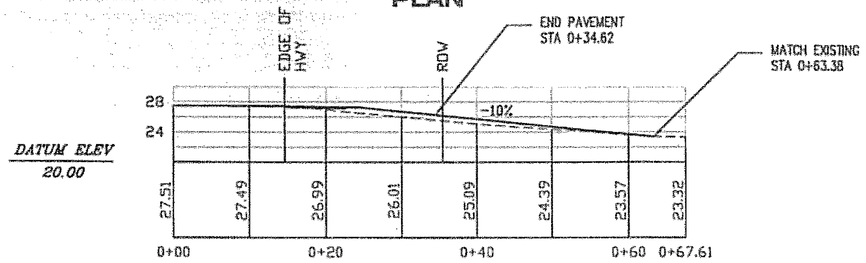
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

PLAN & PROFILE

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F28	89

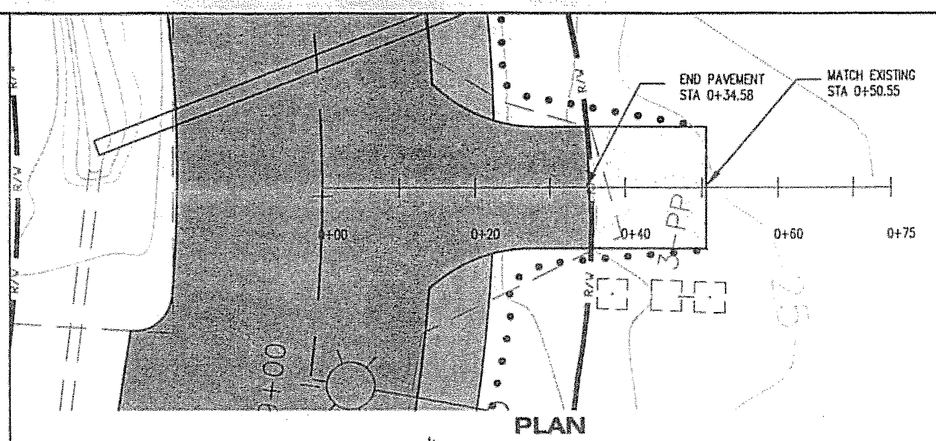


PLAN

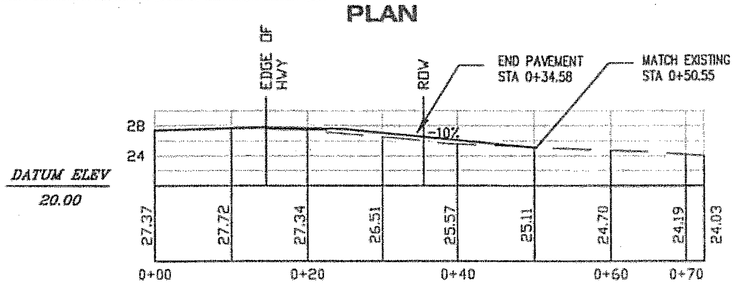


PROFILE

STA. "L1" 8+00 RT.

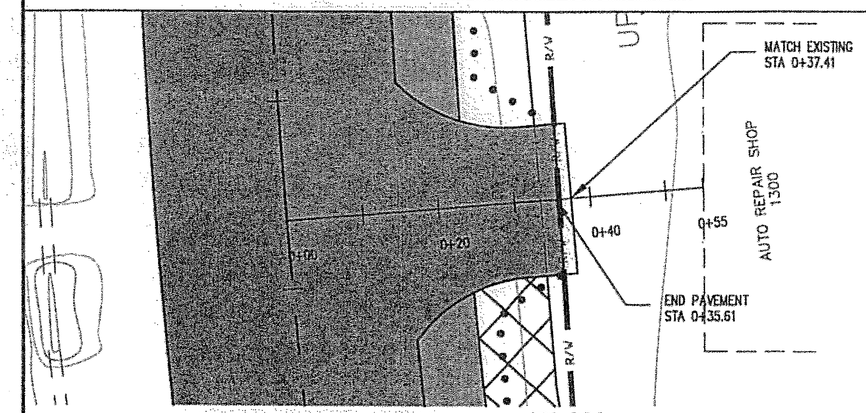


PLAN

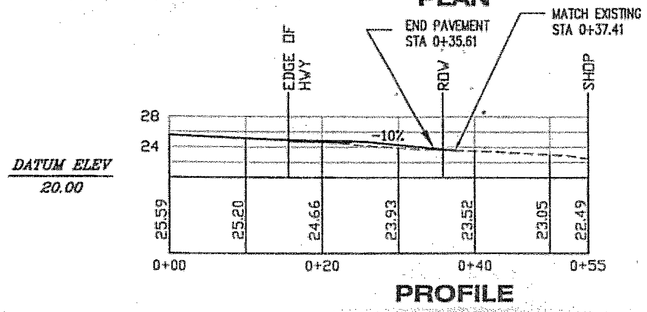


PROFILE

STA. "L1" 9+25 RT.



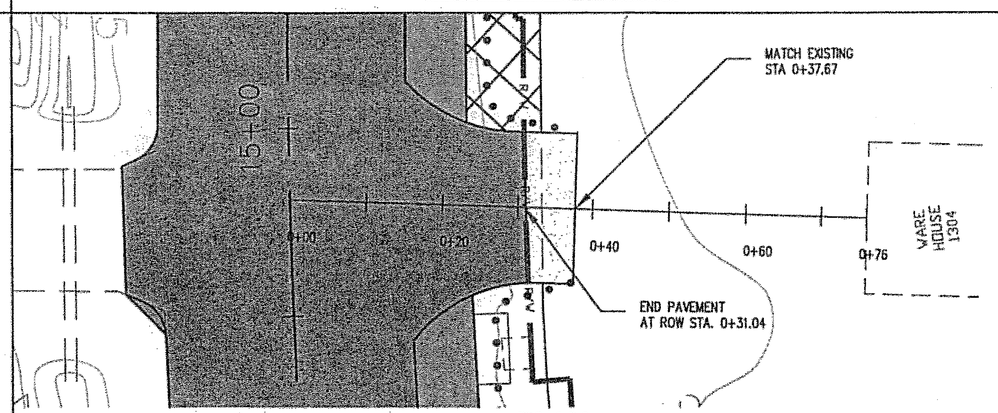
PLAN



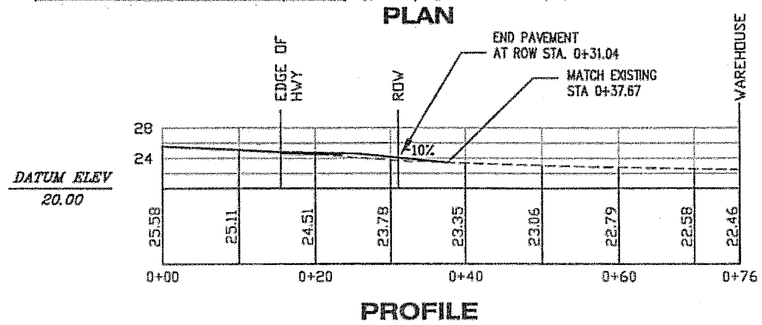
PROFILE

STA. "L1" 14+30 RT.

SOME DRIVEWAYS HAVE BEEN MODIFIED SINCE ACQUIRING SURVEY. ALL ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER.



PLAN



PROFILE

STA. "L1" 14+90 RT.

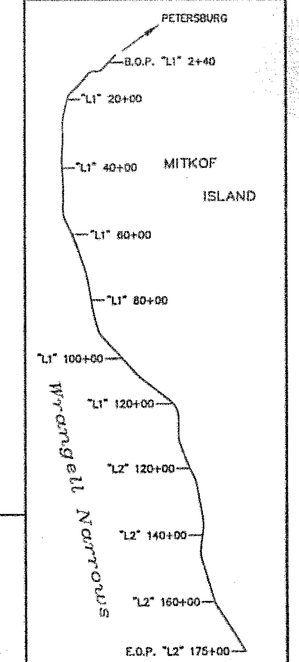
PATH:
Q:\Psg\68165\Planset\G-DRIVEWAY PERMITS.dwg
drdodge

PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



DESIGNED BY: D. LESTER

CHECKED BY: P. BEDNAROWICZ

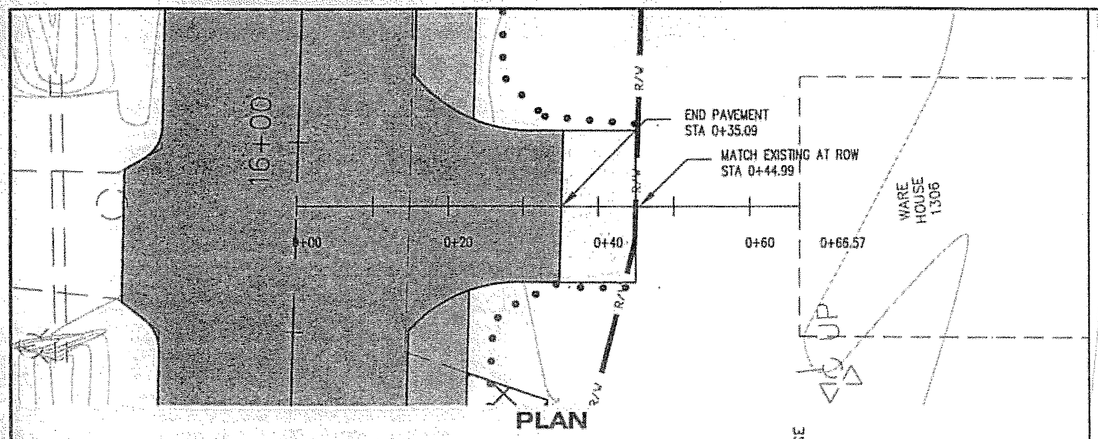
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION--SE REGION

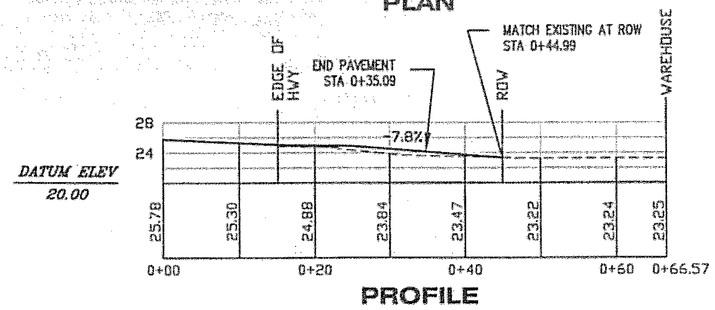
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

DRIVEWAY PLANS & PROFILES

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
G1	89

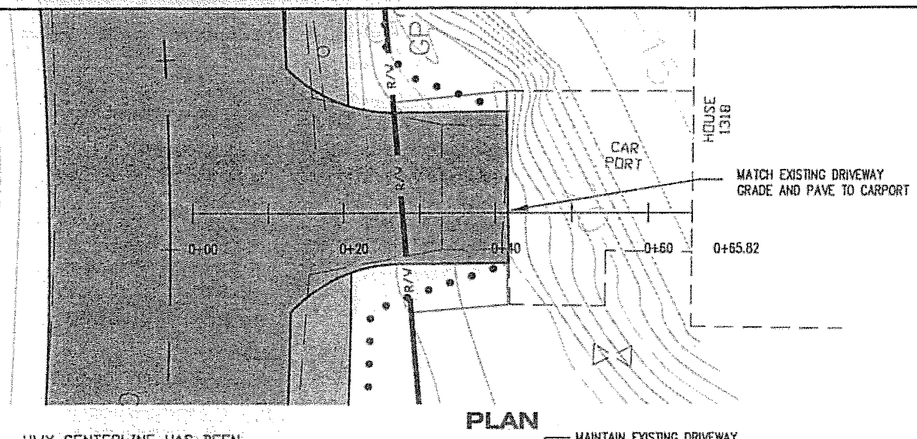


PLAN



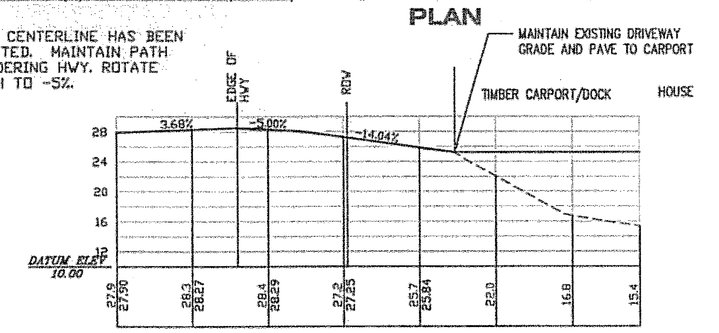
PROFILE

STA. "L1" 15+90 RT.



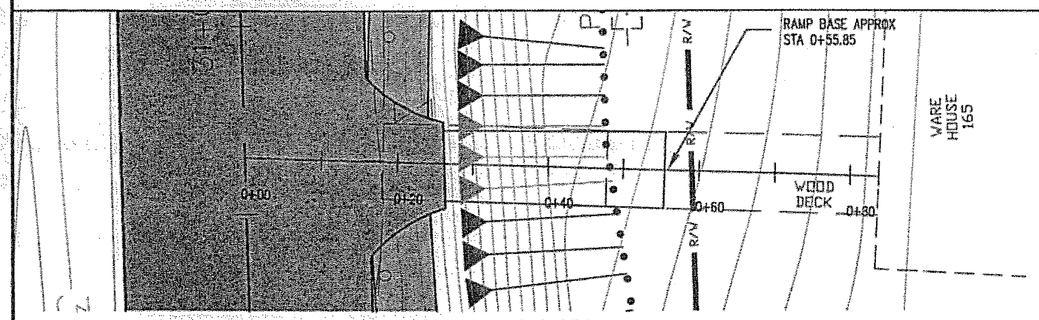
PLAN

HWY CENTERLINE HAS BEEN SHIFTED. MAINTAIN PATH BORDERING HWY. ROTATE PATH TO -5%.



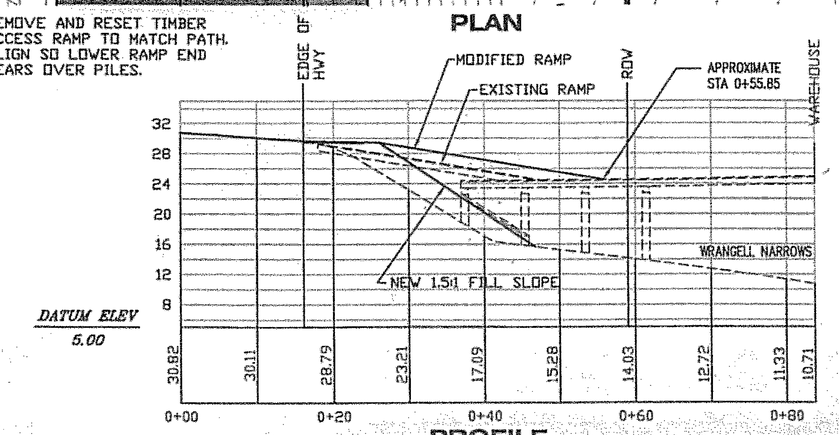
PROFILE

STA. "L1" 18+30 RT.



PLAN

REMOVE AND RESET TIMBER ACCESS RAMP TO MATCH PATH. ALIGN SO LOWER RAMP END BEARS OVER PILES.



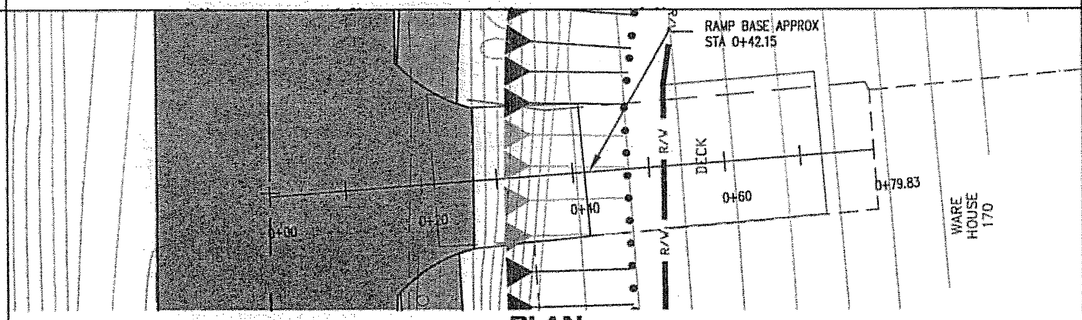
PROFILE

STA. "L1" 30+80 RT.

NOTES:

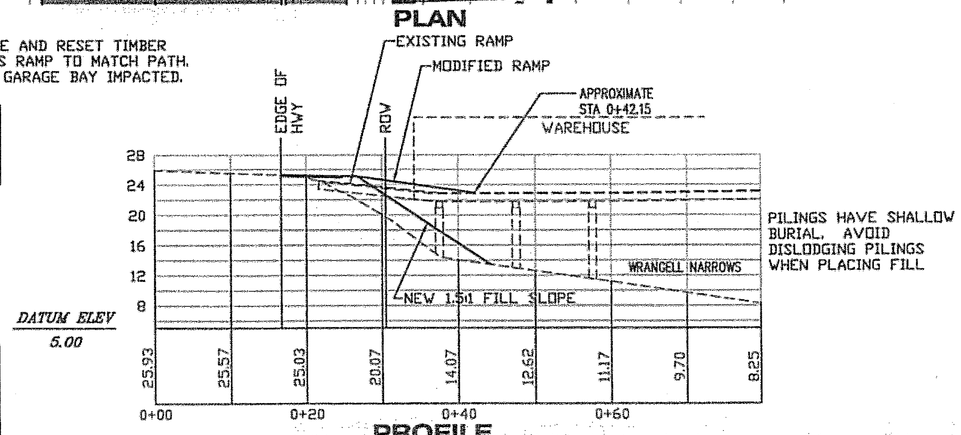
SEE RAMP DETAILS SHEET E11

SOME DRIVEWAYS HAVE BEEN MODIFIED SINCE ACQUIRING SURVEY. ALL ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER.



PLAN

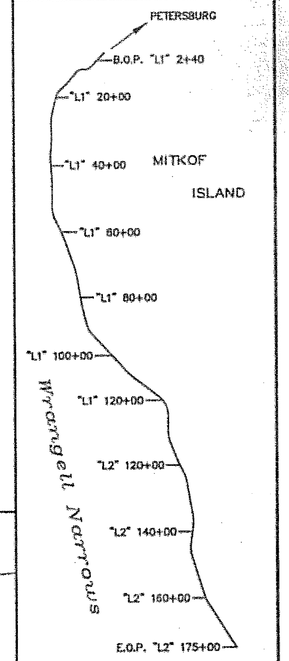
REMOVE AND RESET TIMBER ACCESS RAMP TO MATCH PATH. FIRST GARAGE BAY IMPACTED.



PILINGS HAVE SHALLOW BURIAL, AVOID DISLODGING PILINGS WHEN PLACING FILL

PROFILE

STA. "L1" 34+25 RT.



PATH: O:\Psg\68165\Planset\G-DRIVEWAY PERMITS.dwg drdodge

PLOT: PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER 4/15/05

CHECKED BY: P. BEDNAROWICZ

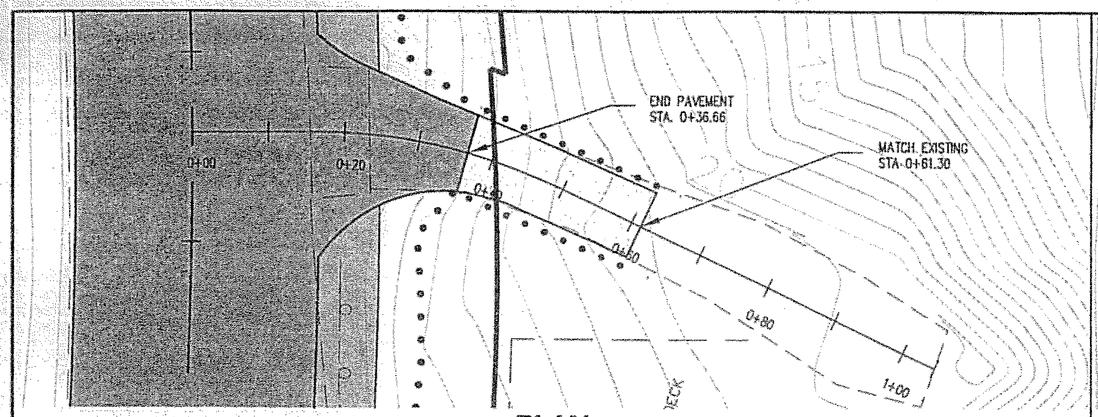
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

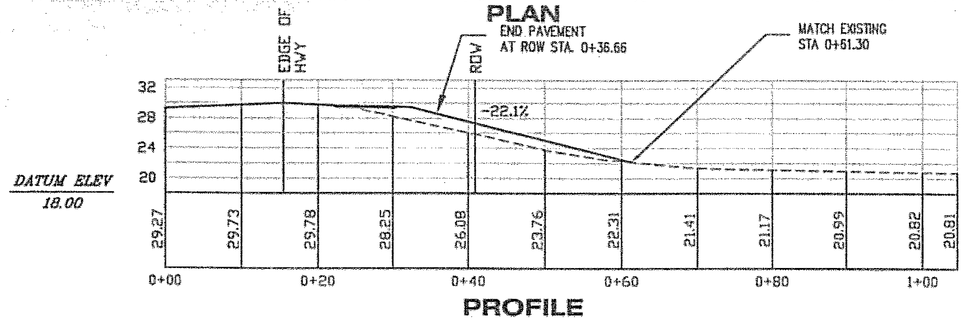
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

DRIVEWAY PLANS & PROFILES

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
G2	89

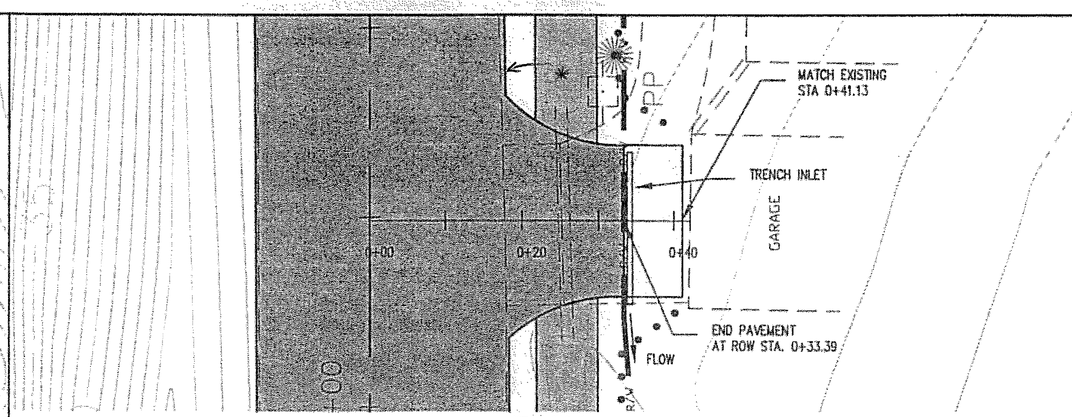


PLAN

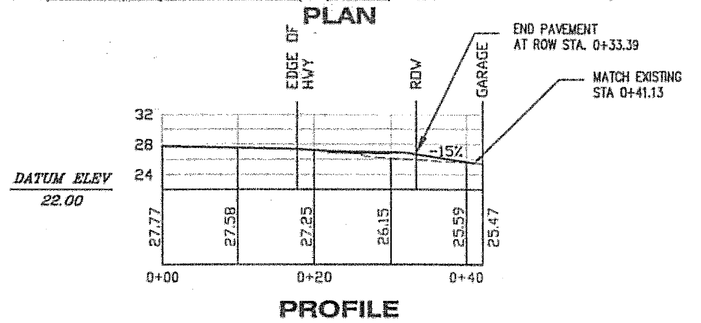


PROFILE

STA. "L1" 54+65 RT.

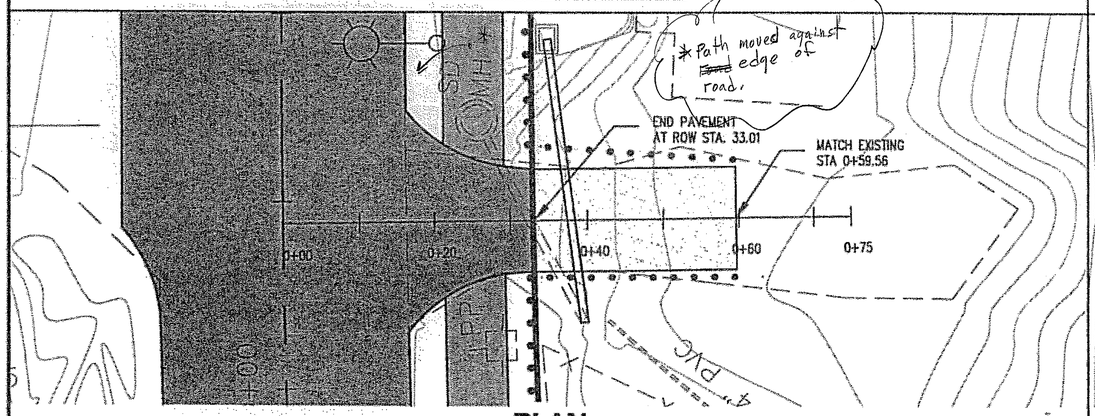


PLAN

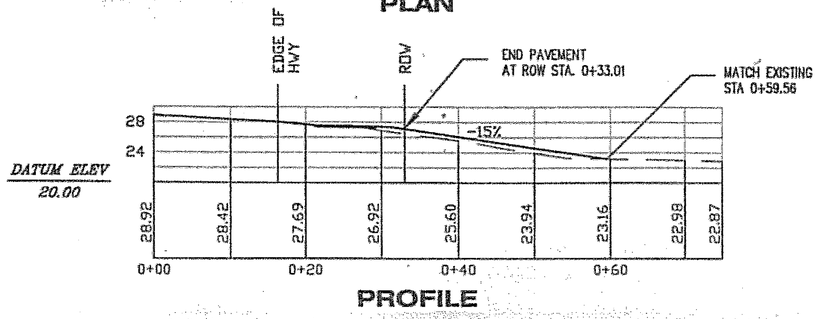


PROFILE

STA. "L1" 58+25 RT.



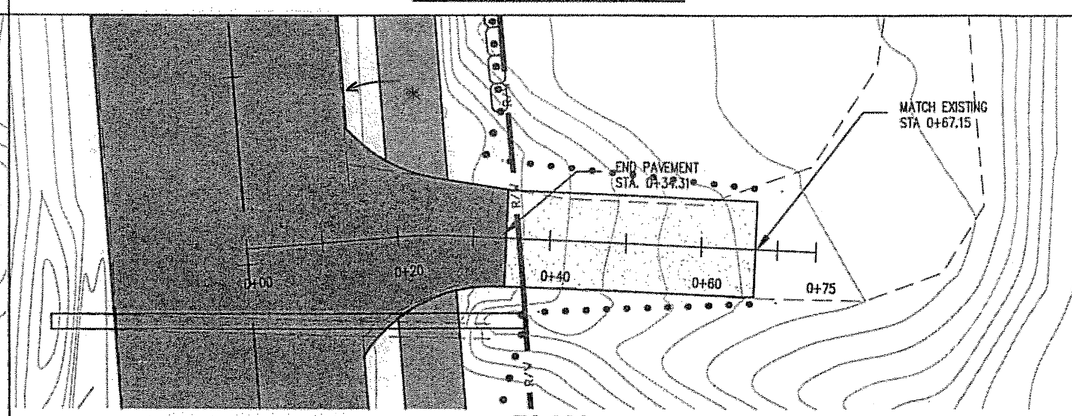
PLAN



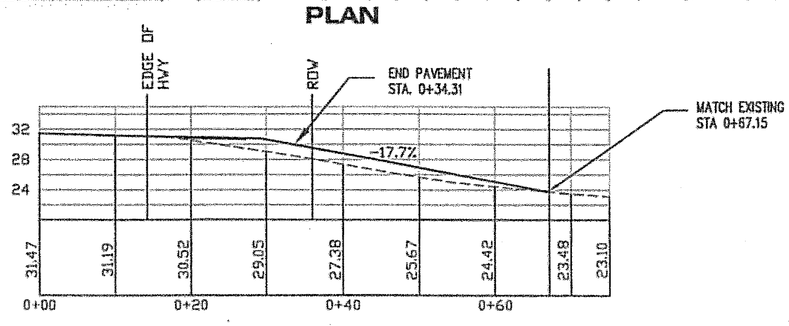
PROFILE

STA. "L1" 60+25 RT.

SOME DRIVEWAYS HAVE BEEN MODIFIED SINCE ACQUIRING SURVEY. ALL ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER.



PLAN



PROFILE

STA. "L1" 63+50 RT.

PATH:
O:\Psg\68165\Planset\G-DRIVEWAY PERMITS.dgn
drdodge

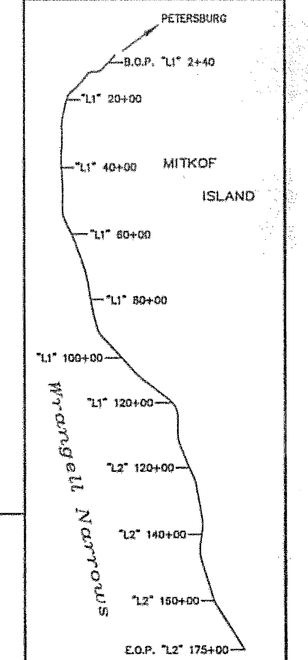
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
9/15/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

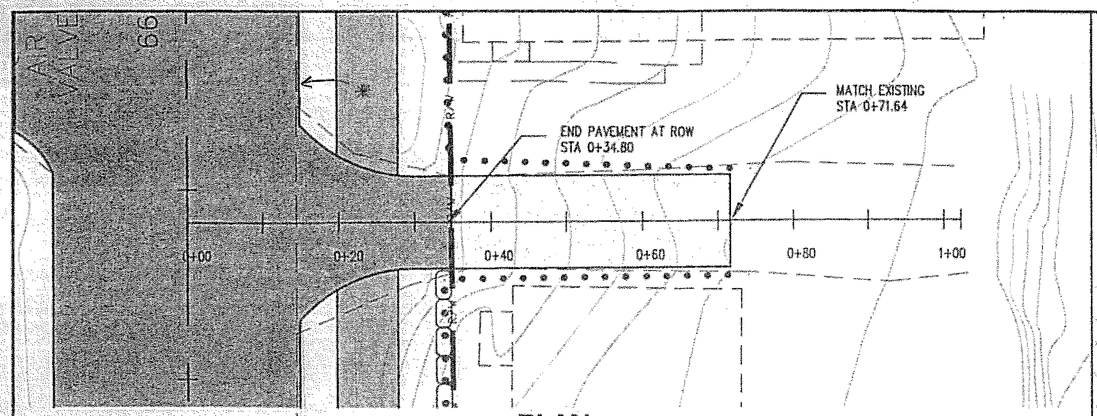
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION–SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

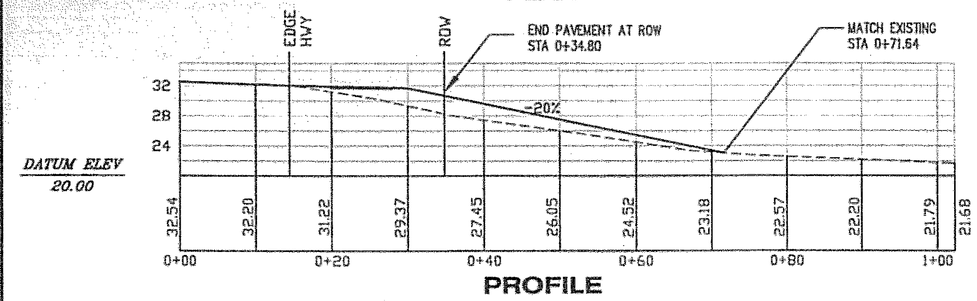
DRIVEWAY PLANS & PROFILES

PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
G3	89

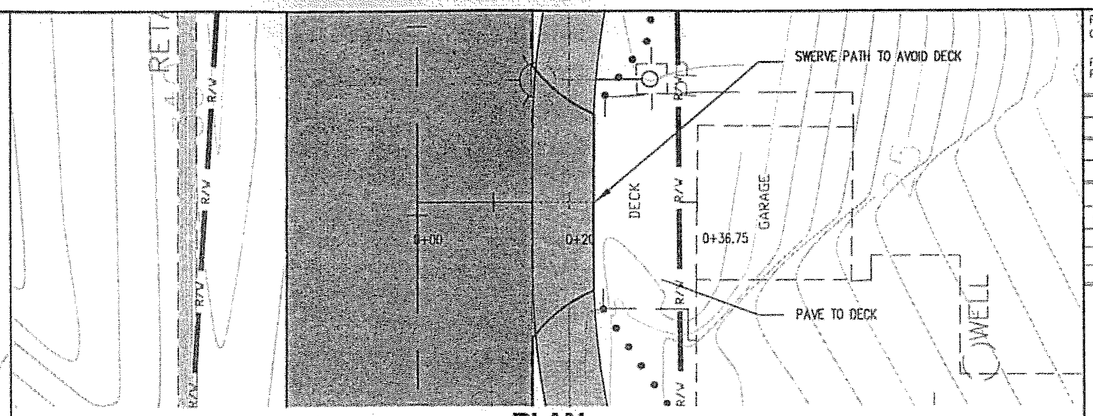


PLAN

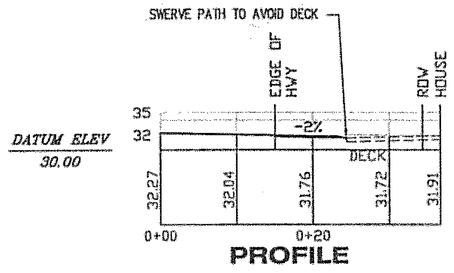


PROFILE

STA. "L1" 65+70 RT.

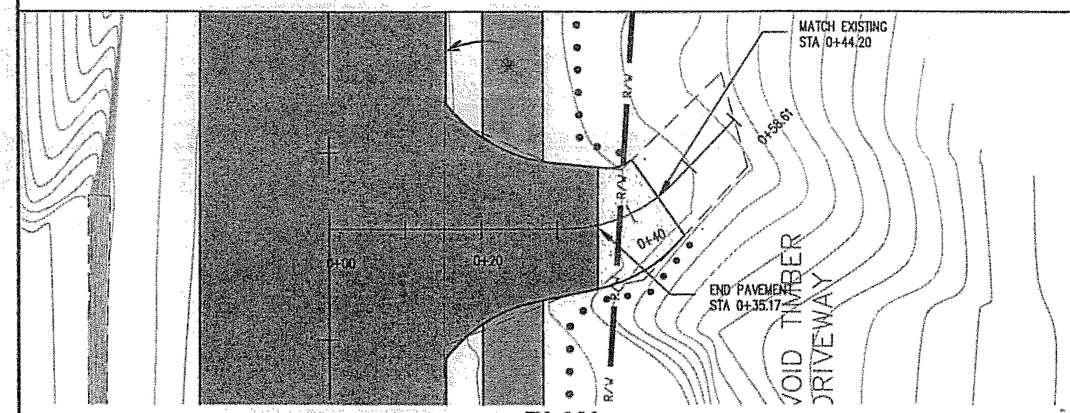


PLAN

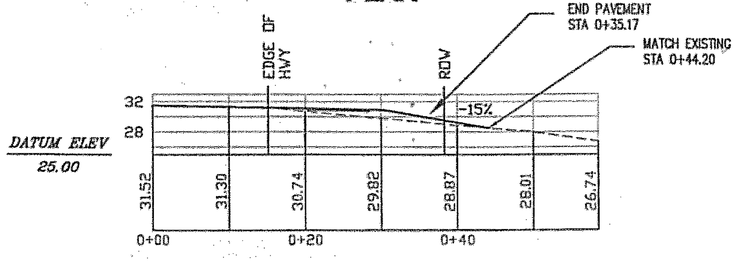


PROFILE

STA. "L1" 66+50 RT.



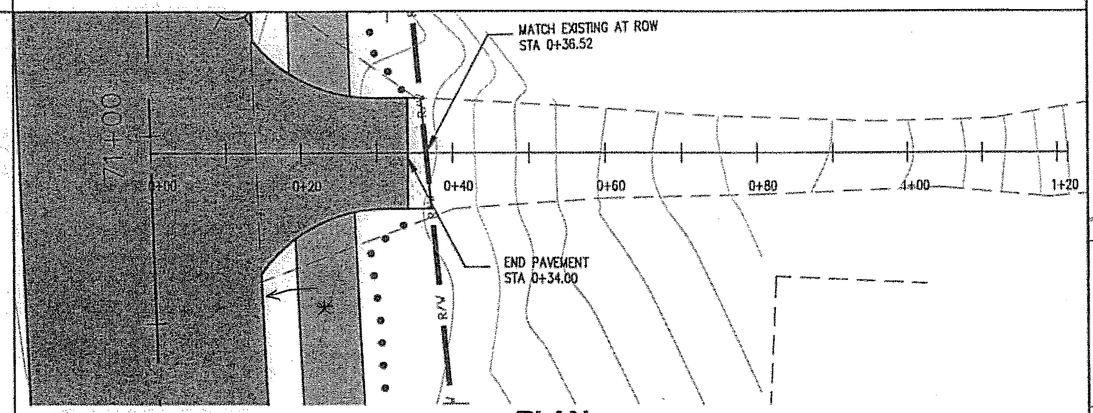
PLAN



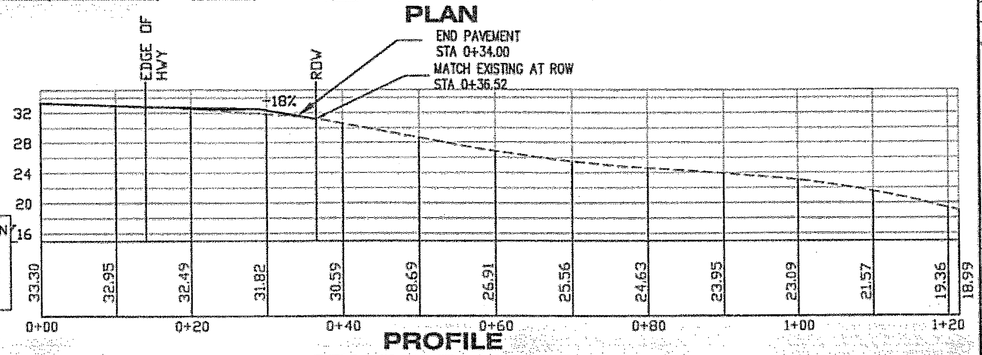
PROFILE

STA. "L1" 67+40 RT.

SOME DRIVEWAYS HAVE BEEN MODIFIED SINCE ACQUIRING SURVEY. ALL ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER.

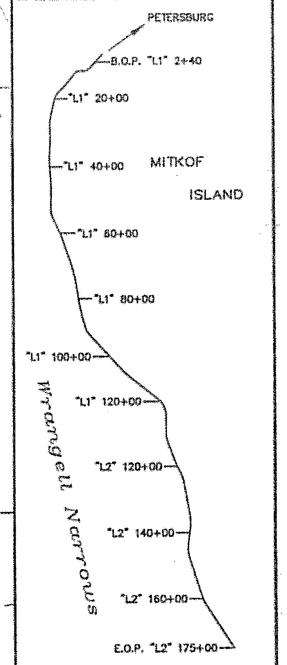


PLAN



PROFILE

STA. "L1" 71+00 RT.



PATH: O:\Psg\68165\Planset\G-DRIVEWAY PERMITS.dw drdodge
PLOT: PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

DESIGNED BY: D. LESTER

STATE OF ALASKA 10th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER 4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

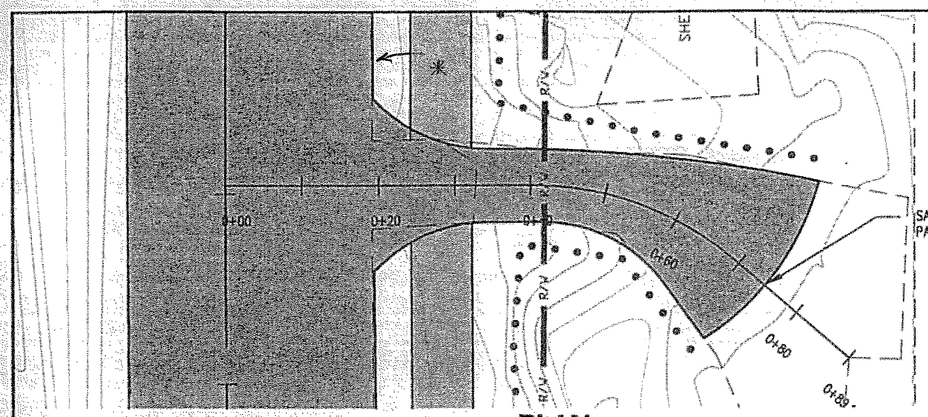
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

DRIVEWAY PLANS & PROFILES

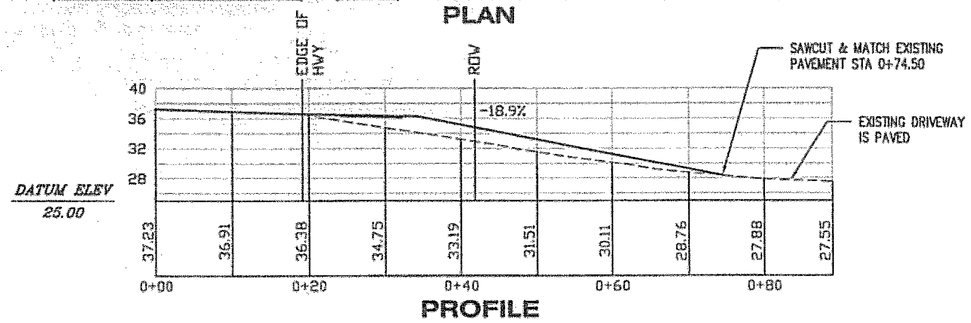
PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
G4	89

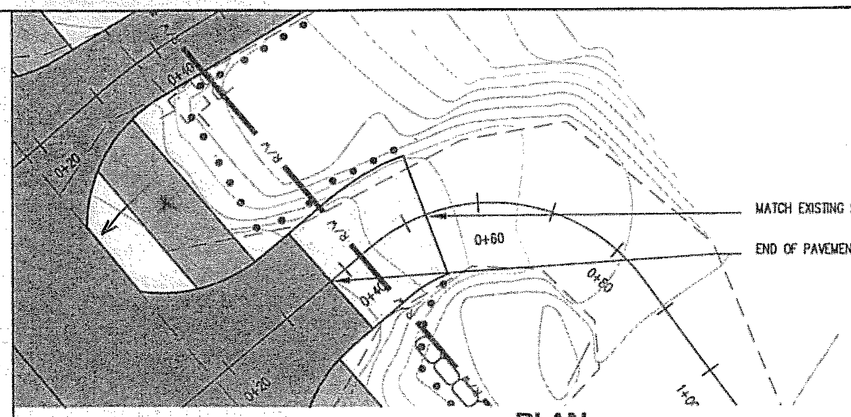


PLAN

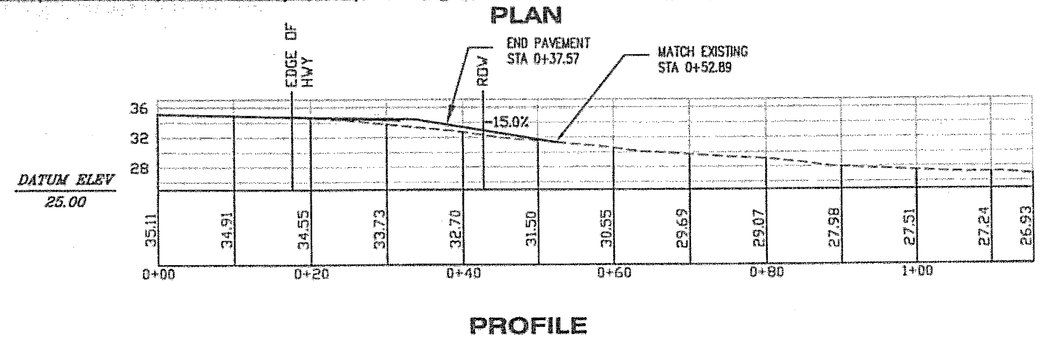


PROFILE

STA. "L1" 74+50 RT.

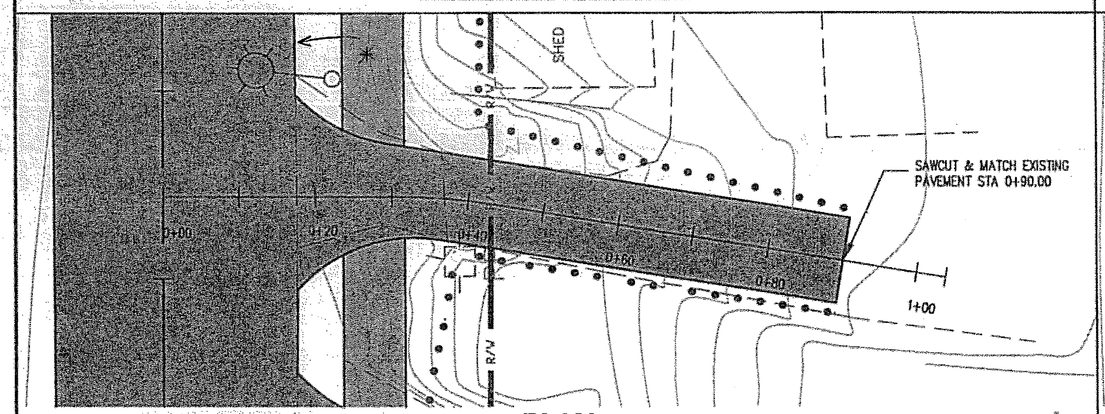


PLAN

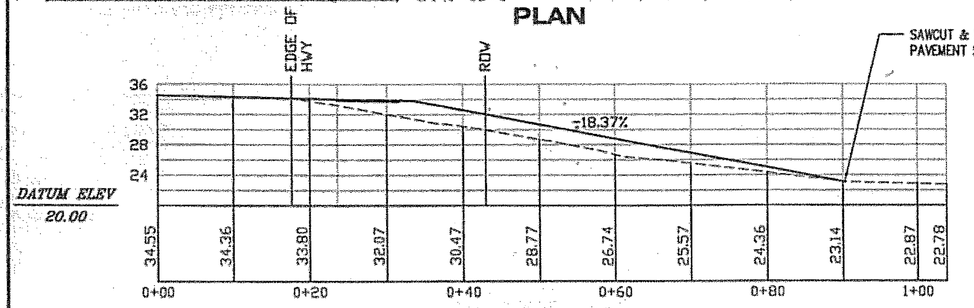


PROFILE

STA. "L1" 76+25 RT.



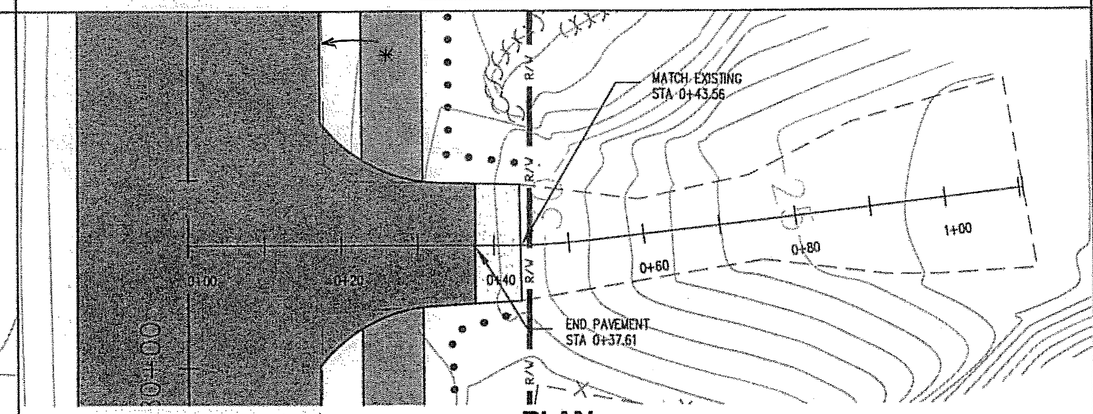
PLAN



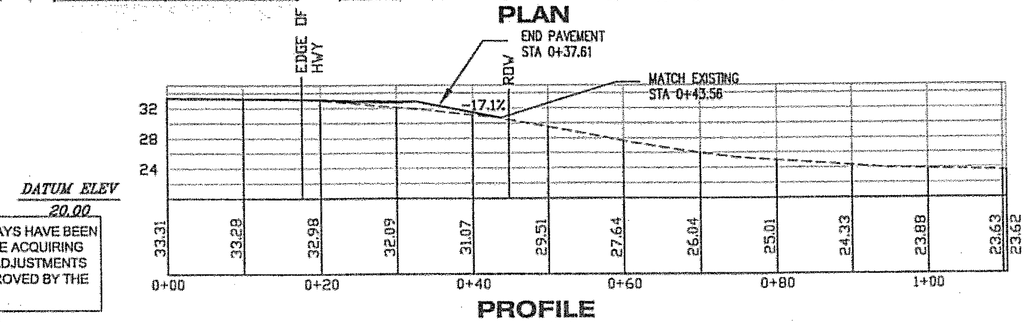
PROFILE

STA. "L1" 76+60 RT.

SOME DRIVEWAYS HAVE BEEN MODIFIED SINCE ACQUIRING SURVEY. ALL ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER.



PLAN



PROFILE

STA. "L1" 80+15 RT.

PATH: O:\Psg\68165\Planset\G-DRIVEWAY PERMITS.dwg drdodge

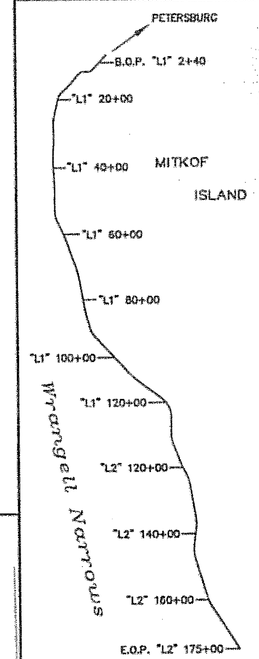
PLOT: PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

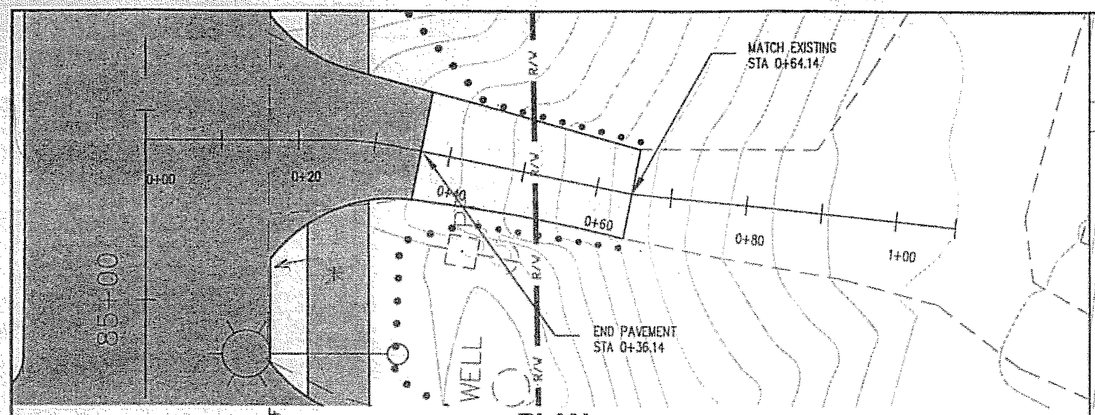
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION--SE REGION

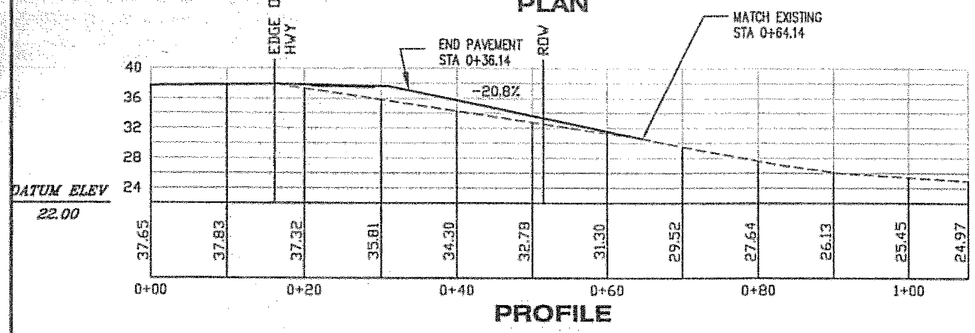
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

DRIVEWAY PLANS & PROFILES

PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
G5	89

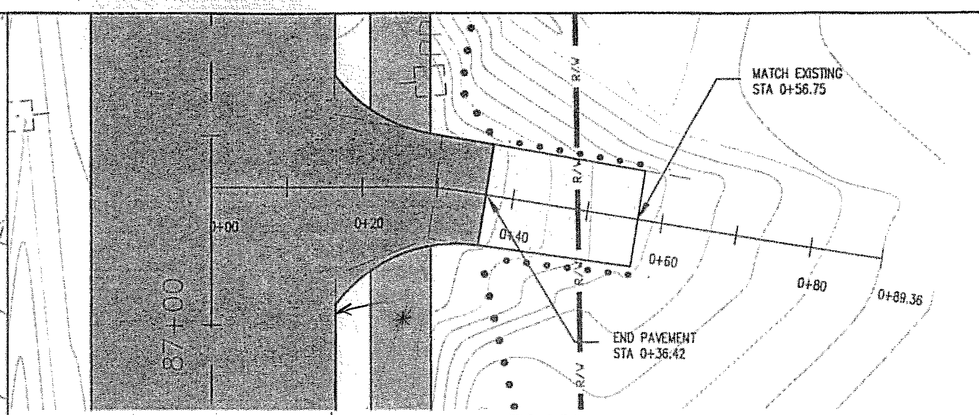


PLAN

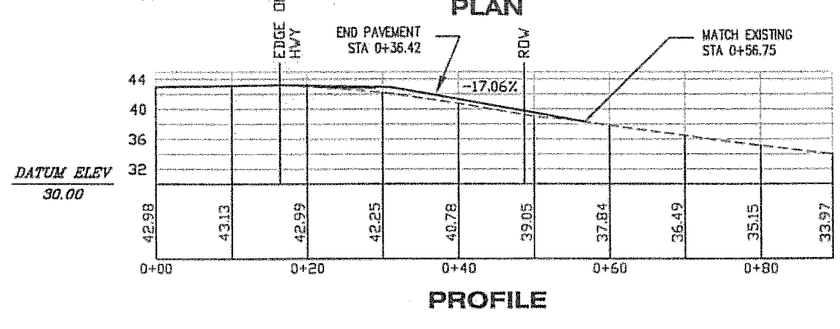


PROFILE

STA. "L1" 85+20 RT.

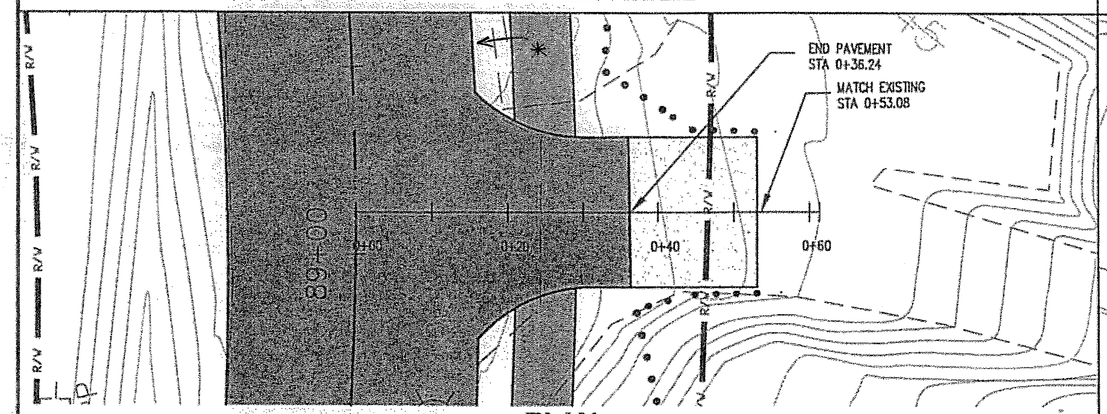


PLAN

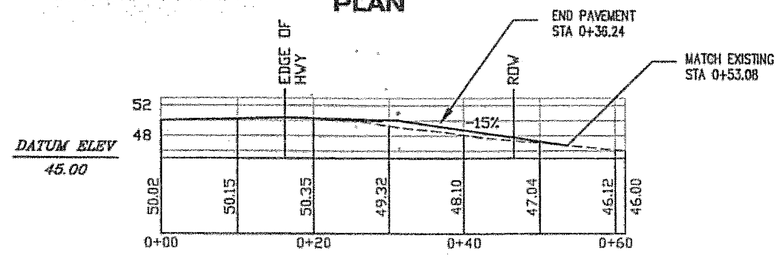


PROFILE

STA. "L1" 87+20 RT.



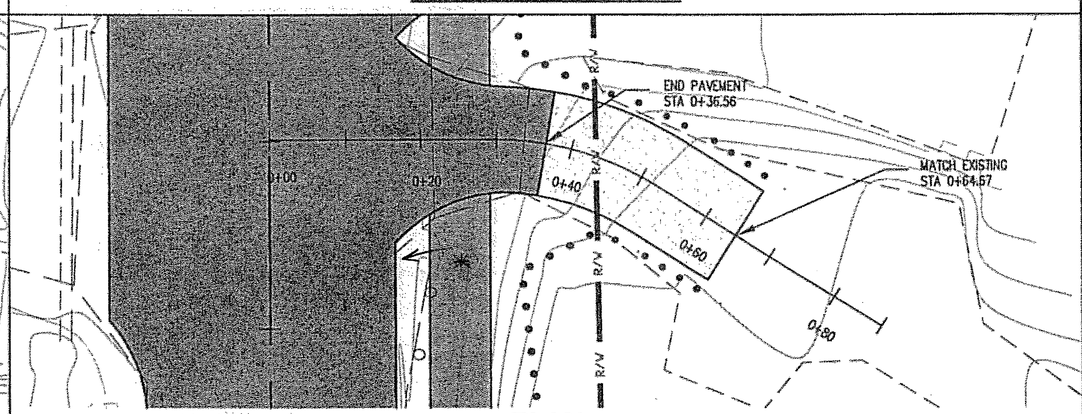
PLAN



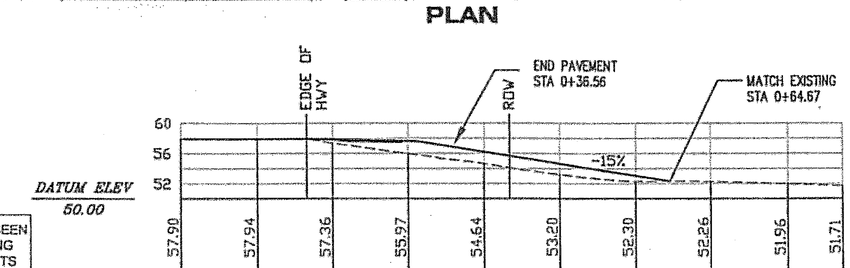
PROFILE

STA. "L1" 89+05 RT.

SOME DRIVEWAYS HAVE BEEN MODIFIED SINCE ACQUIRING SURVEY. ALL ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER.



PLAN



PROFILE

STA. "L1" 91+75 RT.

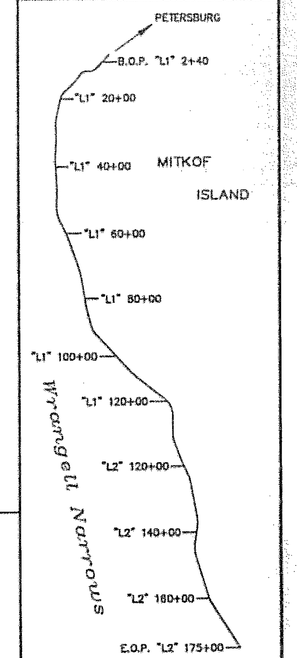
PATH:
Q:\Proj\68165\Planset\G-DRIVEWAY PERMITS.dgn
drdodge

PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

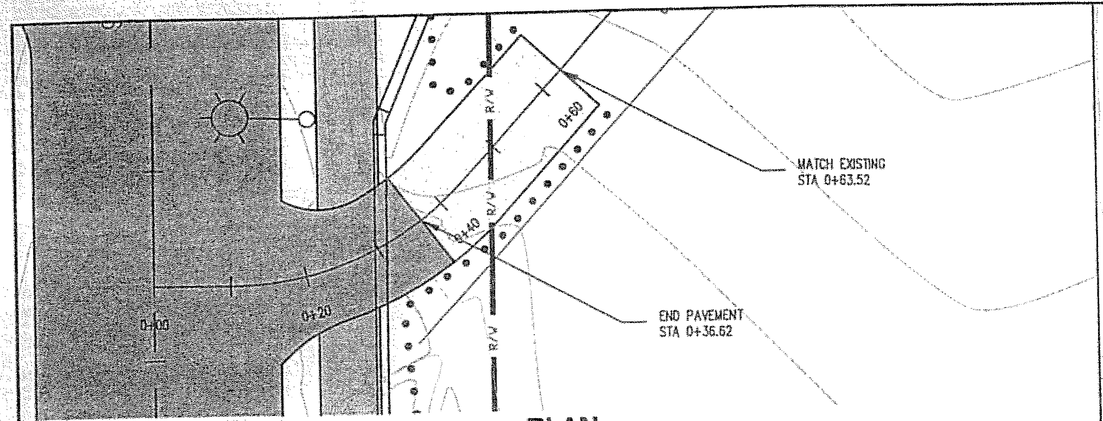
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

DRIVEWAY PLANS & PROFILES

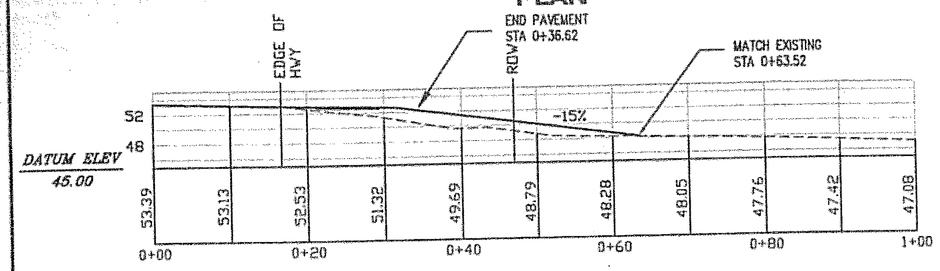
PROJECT DESIGNATION NUMBER
68165-68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
G6	89

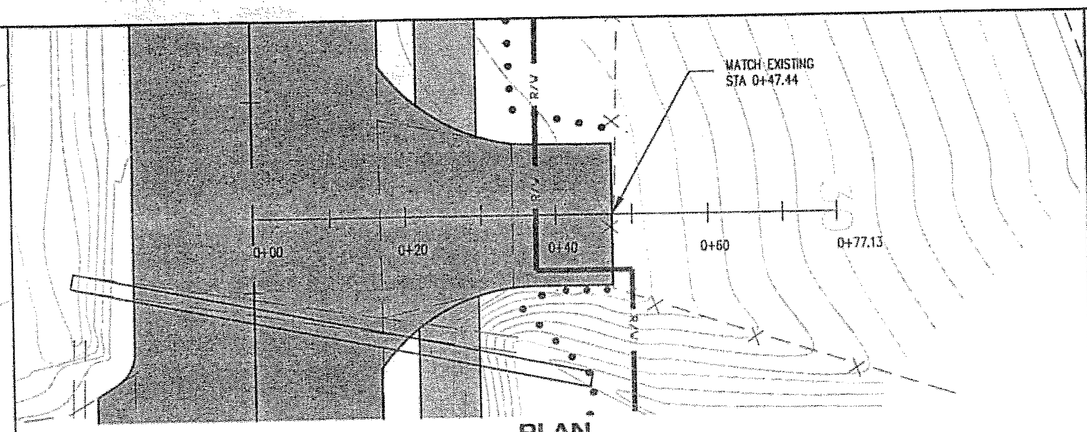


PLAN

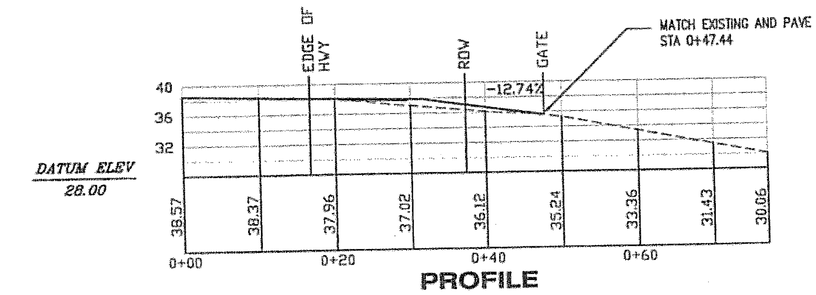


PROFILE

STA. "L1" 98+60 RT.

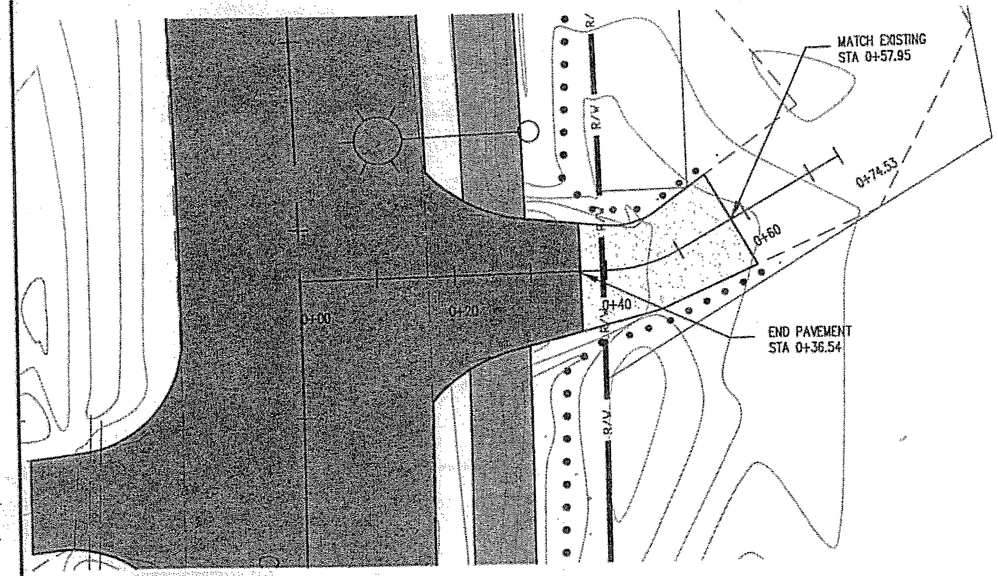


PLAN

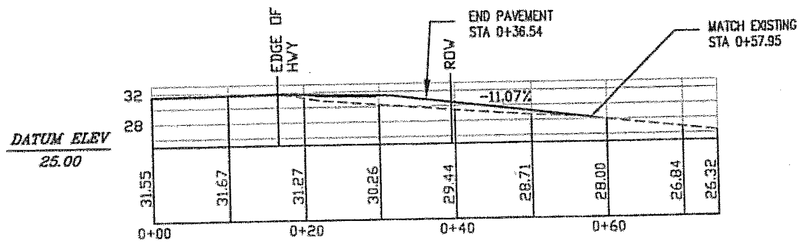


PROFILE

STA. "L1" 103+35 RT.



PLAN



PROFILE

STA. "L1" 106+45 RT.

SOME DRIVEWAYS HAVE BEEN MODIFIED SINCE ACQUIRING SURVEY. ALL ADJUSTMENTS SHALL BE APPROVED BY THE ENGINEER.

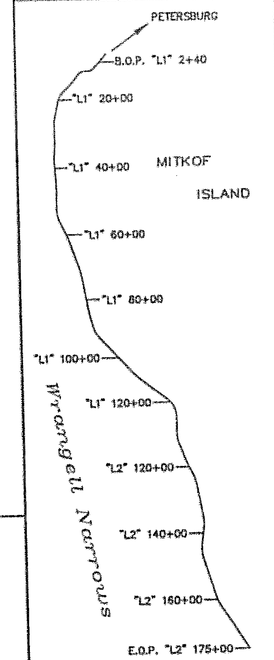
PATH:
O:\Psg\68165\Planset\G-DRIVEWAY PERMITS.dwg
drodge

PLOT:
PSPACE 1=1(F) OR MSPACE 1=30(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

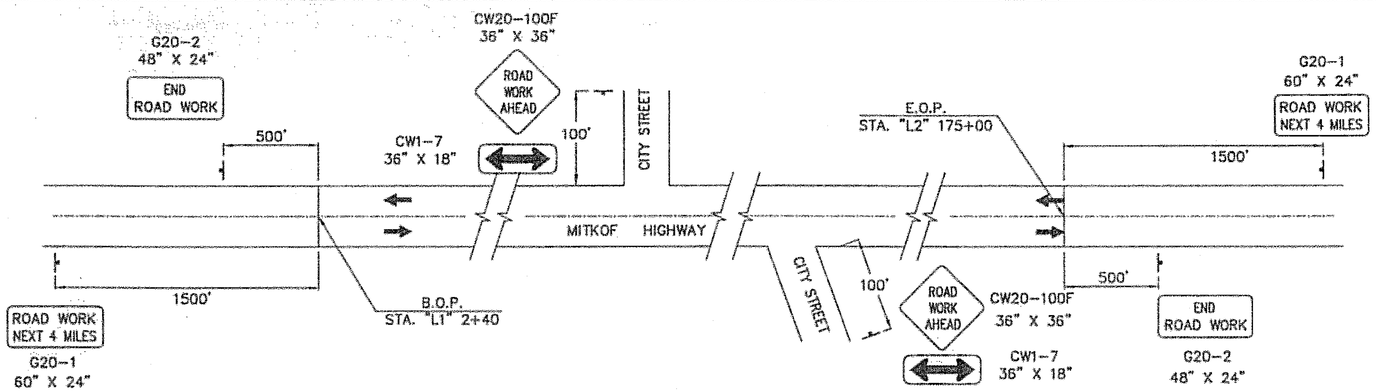
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SE REGION

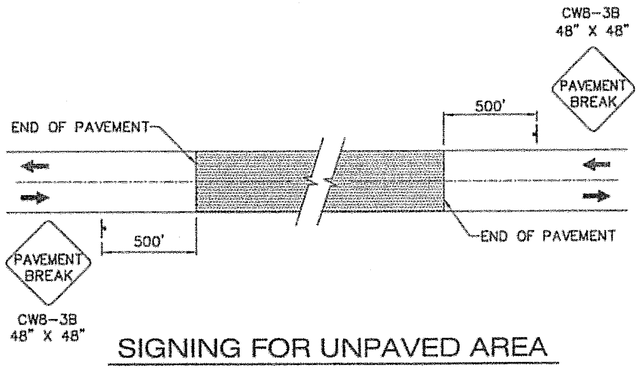
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165

DRIVEWAY PLANS & PROFILES

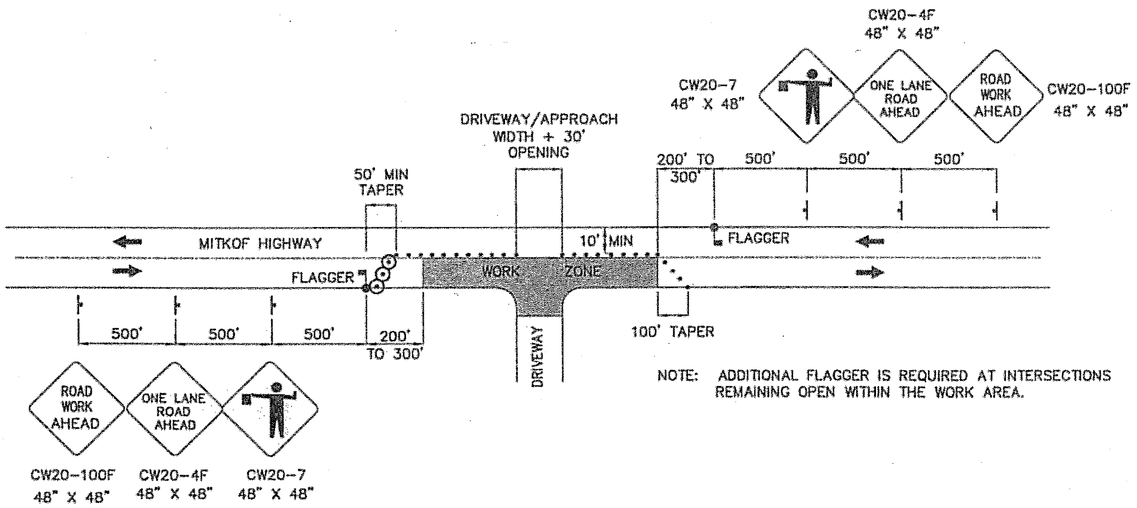
PROJECT DESIGNATION NUMBER	
68165-68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
G7	89



PERMANENT CONSTRUCTION SIGNING

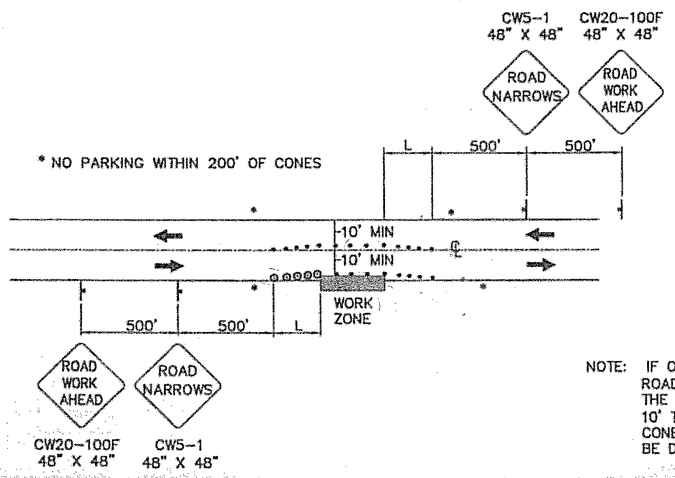


SIGNING FOR UNPAVED AREA



NOTE: ADDITIONAL FLAGGER IS REQUIRED AT INTERSECTIONS REMAINING OPEN WITHIN THE WORK AREA.

TWO LANE ROADWAY-SINGLE LANE CLOSURE



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.

ROADWAY ENCROACHMENT

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. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES AT WORK AREAS.
3. TWO LANES SHALL BE MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS IN NON-WORK AREAS AND DURING NON-WORKING HOURS.
4. DRIVING LANES SHALL BE A MINIMUM WIDTH OF 10'.
5. INTERSECTION ROADWAYS SHALL REMAIN ACCESSIBLE AT ALL TIMES.
6. RESIDENTIAL DRIVEWAYS MAY BE CLOSED DURING ACTUAL WORK ON A GIVEN DRIVEWAY PROVIDING THAT CLOSURE DOES NOT EXCEED 8 HOURS. AFFECTED RESIDENTS SHALL BE GIVEN A NOTICE 24 HOURS PRIOR TO THE CLOSURE OF DRIVEWAY ACCESS.
7. ACCESS TO BUSINESSES WILL BE KEPT OPEN AT ALL TIMES. WORK ON ACCESS TO ANY BUSINESS THAT HAS ONLY ONE ACCESS WILL BE DONE WITH HALF WIDTH CONSTRUCTION AND BE CONTROLLED BY A FLAGGER.
8. WHEREVER A BUSINESS OR A GROUP OF BUSINESSES HAVE MULTIPLE APPROACHES, ONE APPROACH WILL BE LEFT OPEN UNTIL WORK IS COMPLETED.
9. TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.09 OF THE SPECIFICATIONS.
12. FLOOD LIGHTS SHALL BE PROVIDED FOR FLAGGER STATIONS DURING NIGHT OPERATIONS.
14. 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.

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{WxS^2}{60}$

45 MPH OR GREATER $L = WxS$

WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT

DRUM OR CONE SPACING = S (IN FEET)

MIN. BUFFER	
S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485

LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: Q:\Psg\68165\Planset\J_TRAFFIC sHEETS.dwg drdodge

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

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)--68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)--68242

TRAFFIC CONTROL DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ JR. CE-5104 REGISTERED PROFESSIONAL ENGINEER 9/15/05

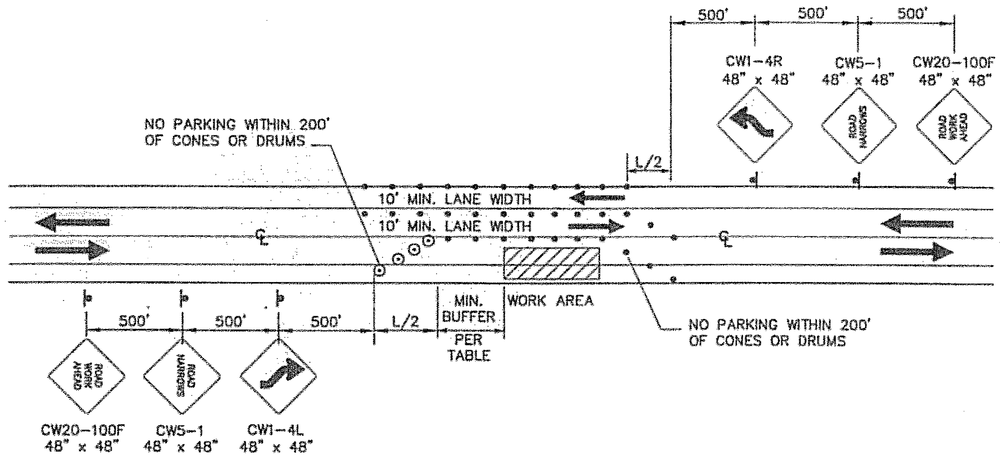
CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

TRAFFIC CONTROL DETAILS

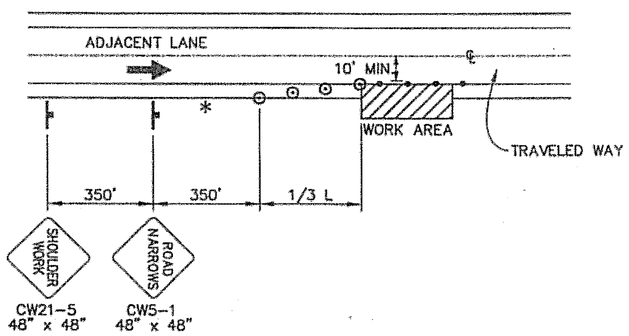
PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
J1	89



TWO-WAY TRAFFIC

LEGEND

- ⊢ ..... SIGN
- ● ..... CONE
- ⊙ ..... DRUM
- ..... TYPE III BARRICADE
- ..... FLAGGING STATION



SHOULDER WORK

FORMULAS FOR L (TAPER LENGTH)

40 MPH OR LESS $L = \frac{WxS^2}{60}$

45 MPH OR GREATER $L = WxS$

WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT

DRUM OR CONE SPACING = S (IN FEET)

MIN. BUFFER	
S	LENGTH
20	35
25	55
30	85
35	120
40	170
45	220
50	280
55	335
60	415
65	485

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
O:\Pag\68165\Planset\J_TRAFFIC sHEETS.dwg
drdodge
PLOT:
PSPACE 1=1(F) OR MSPACE AS SHOWN

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

TRAFFIC CONTROL DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION

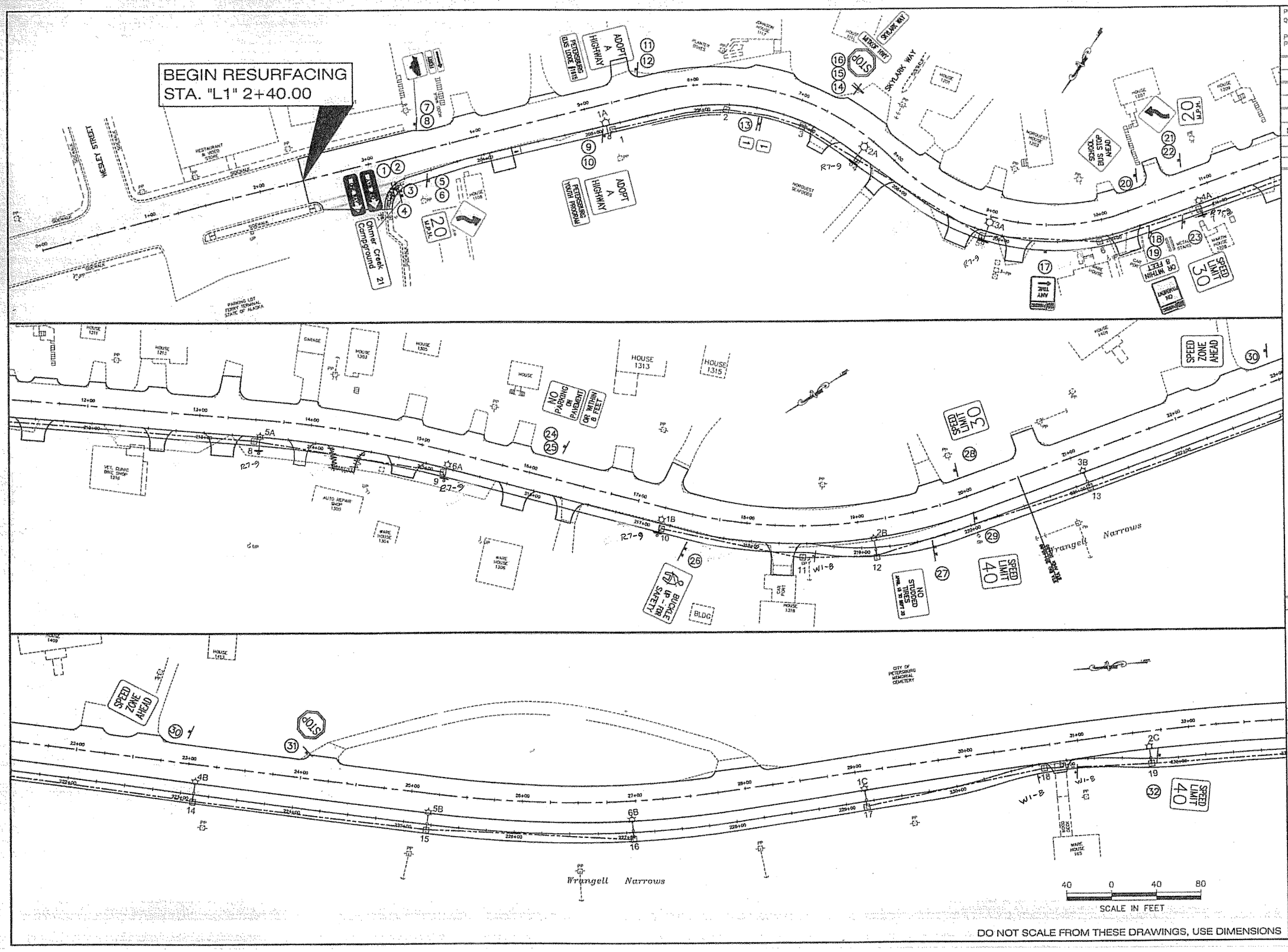
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

TRAFFIC CONTROL DETAILS

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
J2	89



PATH:
Q:\Psg\68165\Planset\K_SigningPlan.dwg
lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)--68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)--68242

SIGNING, STRIPING, & ILLUMINATION PLANS

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-- SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

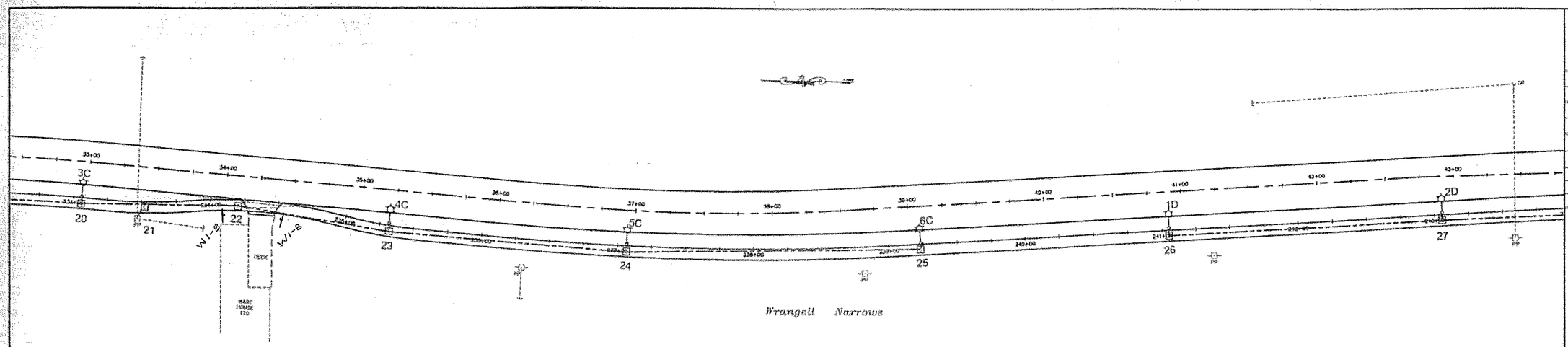
SIGNING, STRIPING, & ILLUMINATION PLANS

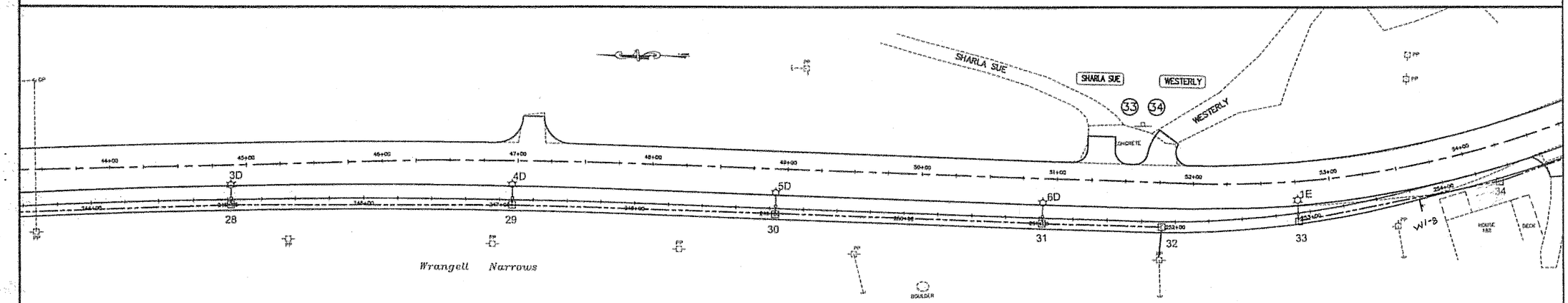
PROJECT DESIGNATION NUMBER

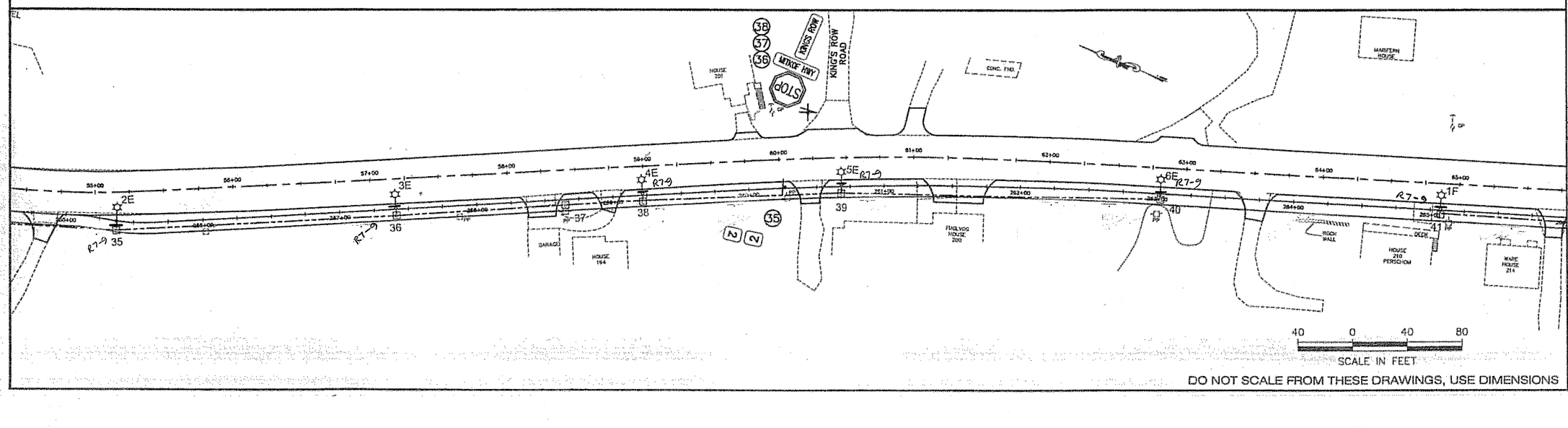
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
K1	89







DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
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lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

SIGNING, STRIPING, & ILLUMINATION PLANS

DESIGNED BY: D. LESTER

STATE OF ALASKA
19th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
9/15/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION - SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

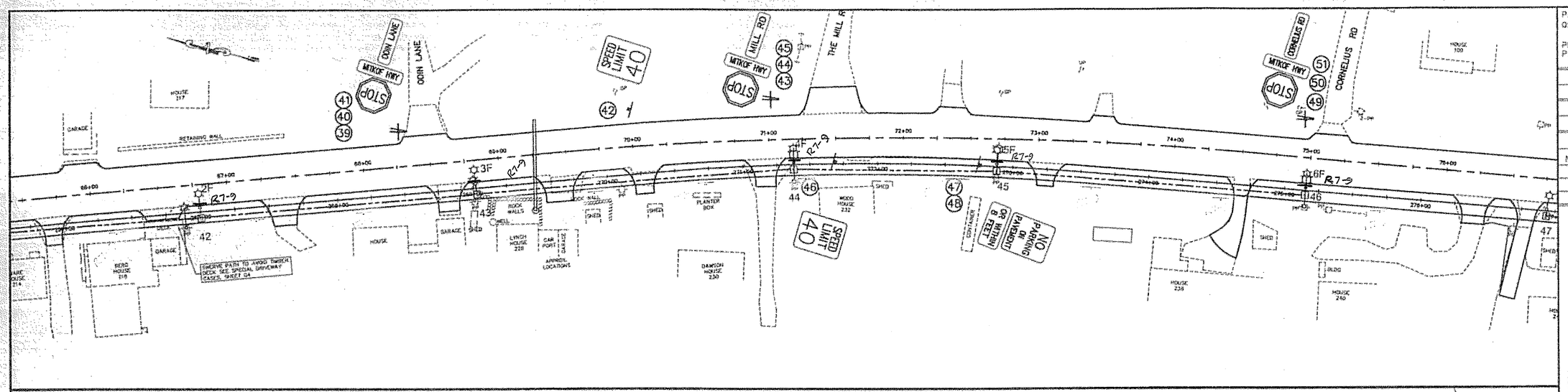
SIGNING, STRIPING, & ILLUMINATION PLANS

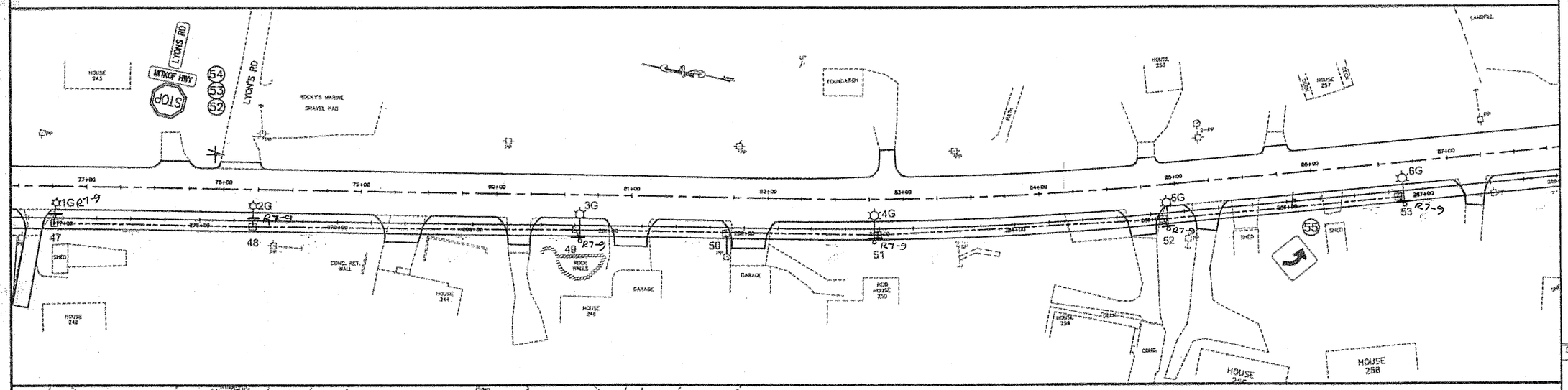
PROJECT DESIGNATION NUMBER

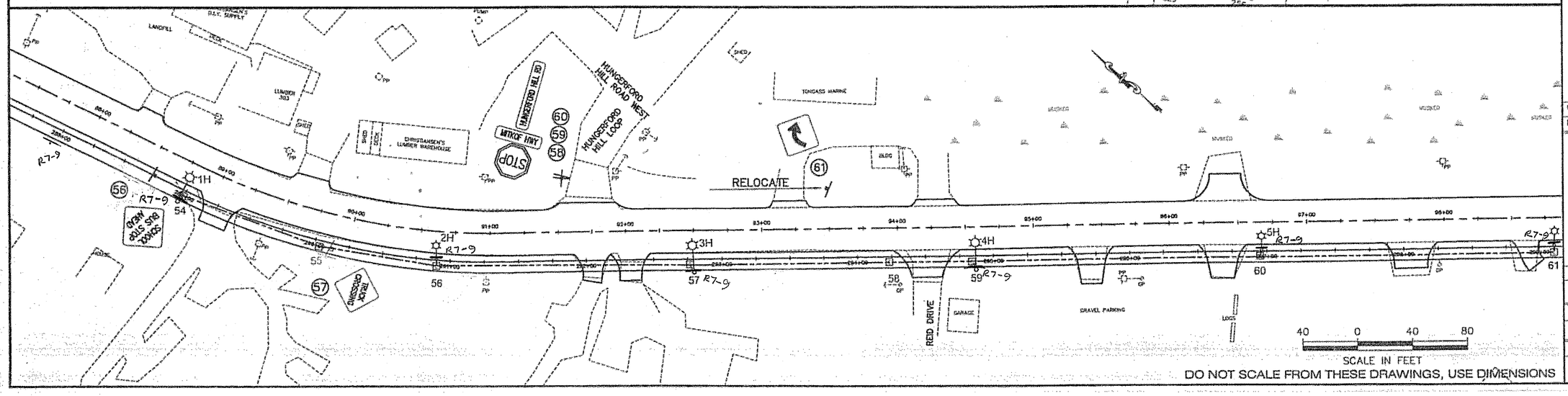
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
K2	89







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lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

SIGNING, STRIPING, & ILLUMINATION PLANS

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

SIGNING, STRIPING, & ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER

68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
K3	89

40 0 40 80
SCALE IN FEET
DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

SIGNING, STRIPING, & ILLUMINATION PLANS

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

SIGNING, STRIPING, & ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER

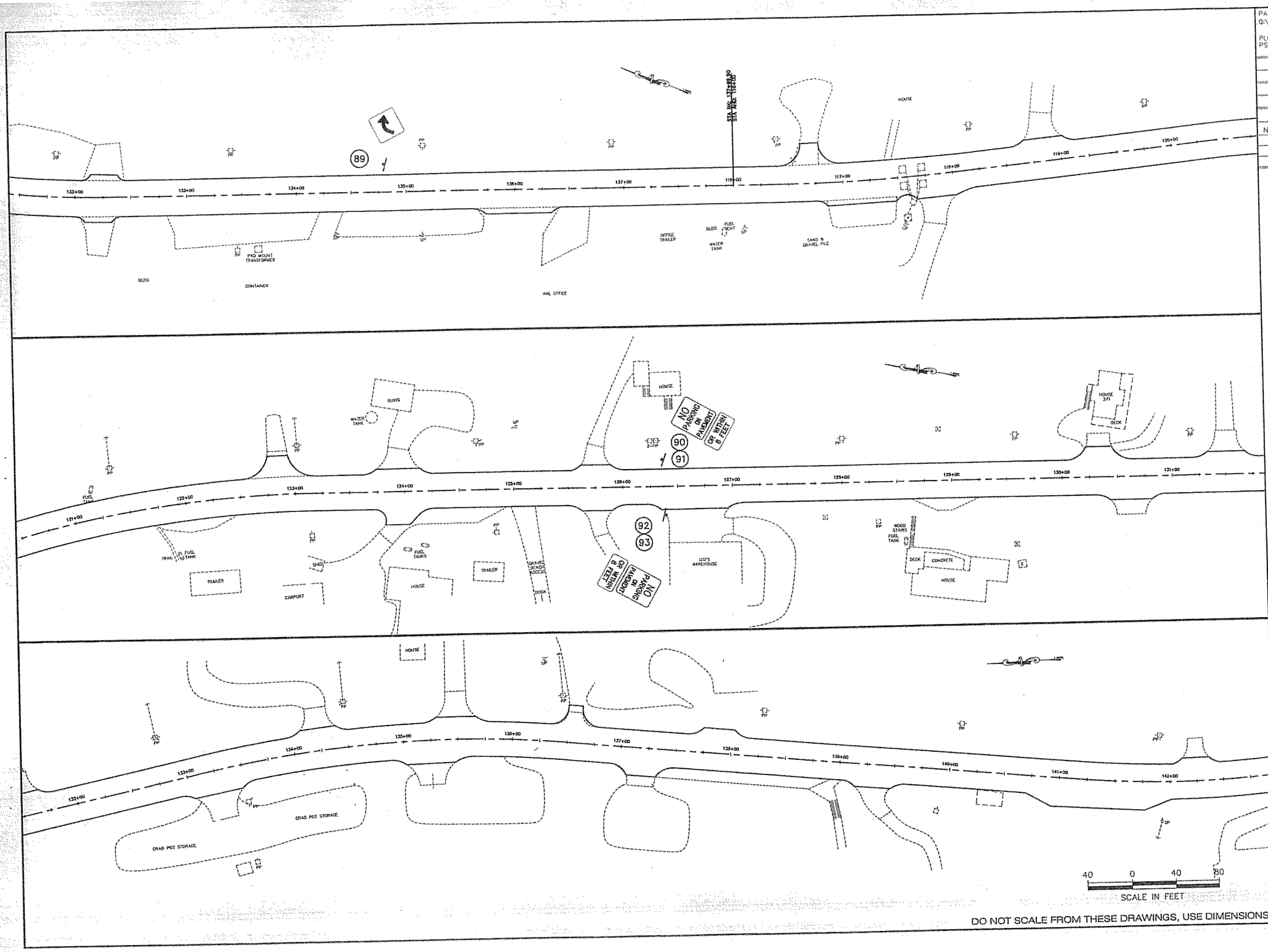
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
K4	89

Wrangell Narrows

40 0 40 80
SCALE IN FEET

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

SIGNING, STRIPING, & ILLUMINATION PLANS

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETER G. BEDNAROWICZ
CE-8704
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

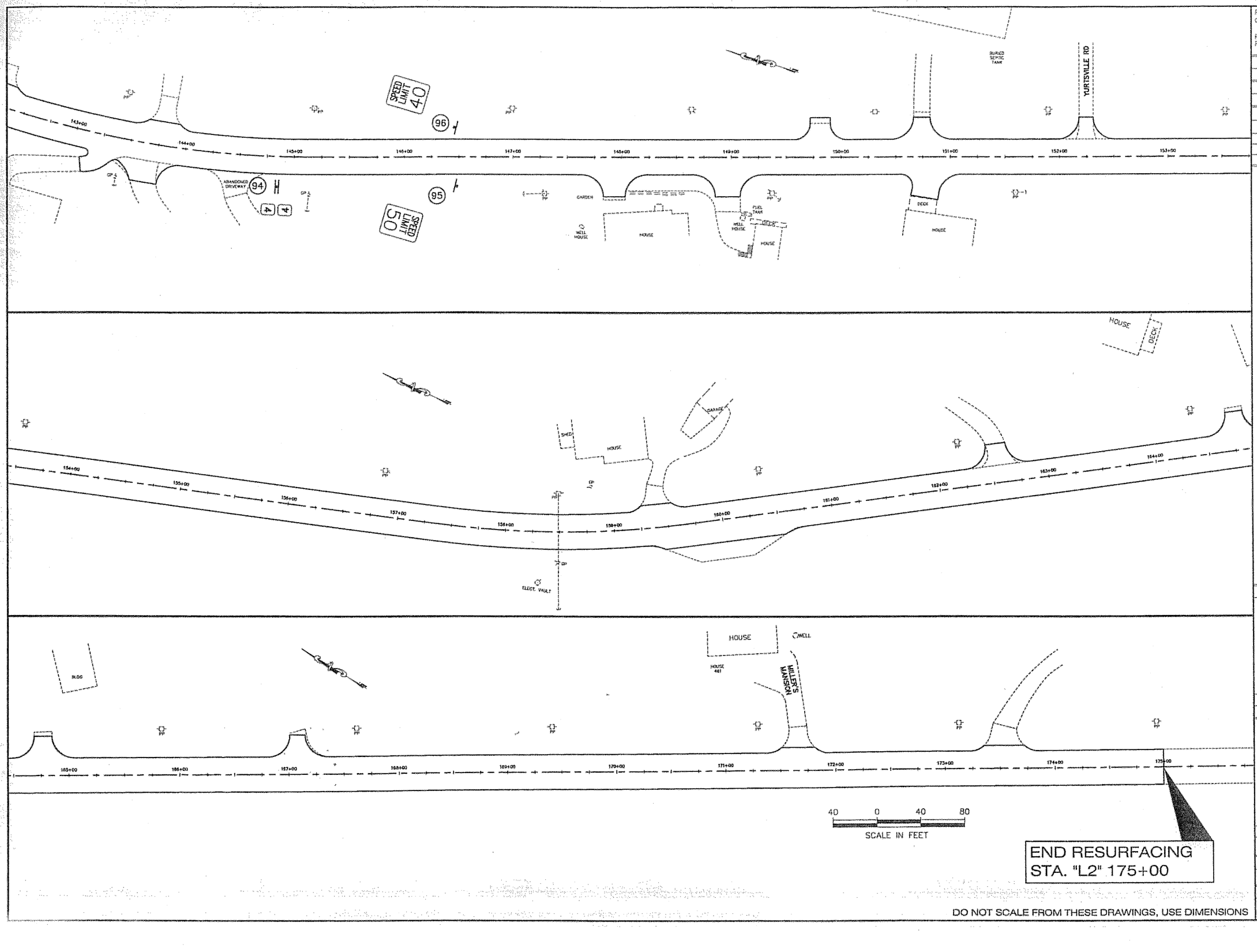
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

SIGNING, STRIPING, & ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
K5	89



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
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lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

SIGNING, STRIPING, & ILLUMINATION PLANS

DESIGNED BY: D. LESTER

STATE OF ALASKA
749th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

SIGNING, STRIPING, & ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER

68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
K6	89

615 (1) STANDARD SIGN SUMMARY

SIGN NO.	STA	OFFSET L	OFFSET R	TYPE	LEGEND	FACING	HEIGHT (IN)	WIDTH (IN)	AREA (SQ FT)	POST NO.	POST SIZE (IN)	POST TYPE	REMARKS
1	3+15.54		26.94	R6-1(R)	ONE WAY ARROW RIGHT	SB	12	36	3.00	1	2.50	PST	
2	3+15.54		26.94	R6-1(L)	ONE WAY ARROW LEFT	NB	12	36	3.00				BACK OF SIGN 1
3	3+15.54		26.94		DO NOT ENTER	EB			0.00				REMOVE
4	3+20.51		31.00	D2-2	OHMER CREEK CAMPGROUND 21	SB	36	60	15.00	2	2.00	PST	TWO POST SIGN
5	3+47.00		27.00	W1-4R	REVERSE CURVE ARROW RT	SB	36	36	9.00	1	2.50	PST	
6	3+47.00		27.00	W13-1	20 MPH	SB	24	24	4.00				UNDER SIGN 5
7	3+50.23	24.00		I-8	FERRY SYMBOL	NB	24	24	4.00	1	2.50	PST	
8	3+50.23	24.00			ARROW LEFT	NB	6	24	1.00				UNDER SIGN 7
9	~~5+03.78~~ 9+66		27.00		ADOPT A HIGHWAY	SB			0.00				RELOCATE EXISTING SIGN
10	~~5+09.76~~ 9+66		27.00		PETERSBURG YOUTH PROGRAM	SB			0.00				RELOCATE, UNDER SIGN 9
11	5+53.96	23.21			ADOPT A HIGHWAY	NB			0.00				NO ACTION
12	5+53.96	23.21			PETERSBURG ELKS LODGE #1615	NB			0.00				NO ACTION
13	6+65.00		27.00	M10-2	1	SB/NB	8	6	0.33	1	2.50	PST	RELOCATE, MP 1, TWO SIGNS BACK TO BACK
14	7+39.00	32.00		R1-1	STOP	WB	36	36	9.00	1	2.50	PST	
15	7+39.00	32.00		D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 14
16	7+39.00	32.00		D3-1	SKYLARK WAY	NB/SB	8	42	2.33				ABOVE SIGN 14
17	9+~~66.00~~ +50.00		24.50	R7-101L	NO PARKING ANYTIME	SB	18	12	1.50	1	2.50	PST	
18	10+37.06		24.28	R8-1	NO PARKING ON PAVEMENT	SB	30	24	5.00	1	2.50	PST	
19	10+37.06		24.28	R8-1A	OR WITHIN 8 FT	SB	12	24	2.00				UNDER SIGN 18
20	~~10+42.62~~ 9+88	27.45		S3-1	SCHOOL BUS STOP AHEAD	NB	36	36	9.00	1	2.50	PST	
21	10+83.75	27.00		W1-4R	REVERSE CURVE ARROW RT	NB	36	36	9.00	1	2.50	PST	
22	10+83.75	27.00		W13-1	20 M.P.H.	NB	24	24	4.00				UNDER SIGN 21
23	10+70.00		26.00	R2-1	SPEED LIMIT 30	SB	36	30	7.50	1	2.50	PST	RELOCATE
24	16+26.22	30.21		R8-1	NO PARKING ON PAVEMENT	NB	30	24	5.00	1	2.50	PST	
25	16+26.22	30.21		R8-1A	OR WITHIN 8 FT	NB	12	24	2.00				UNDER SIGN 24
26	~~17+56~~ 18+00		26.00	R16-1	BUCKLE UP FOR SAFETY	SB	30	48	10.00	2	2.00	PST	TWO POST SIGN
27	~~19+69.00~~ 20+26		17.00	R12-103	NO STUDDED TIRES APRIL 15 TO SEPT 30	SB	66	84	38.50				RELOCATE, 2 POST SIGN
28	20+00.00	26.10		R2-1	SPEED LIMIT 30	NB	36	30	7.50	1	2.50	PST	RELOCATE
29	~~20+66.66~~ 21+00		26.00	R2-1	SPEED LIMIT 40	SB	36	30	7.50	1	2.50	PST	RELOCATE
30	23+00.00	33.12		R2-5C	SPEED ZONE AHEAD	NB	36	30	7.50	1	2.50	PST	RELOCATE
31	~~24+84.99~~ 23+88	24.00		R1-1	STOP	WB	36	~~36~~ 36	~~7.50~~ 9.00	1	2.50	PST	
32	31+70.00		20.00	R2-1	SPEED LIMIT 40	SB	36	30	7.50	1	2.50	PST	RELOCATE
33	51+62.84	41.14			SHARLA SUE	EB			0.00				NO ACTION
34	51+62.84	41.14			WESTERLY	EB			0.00				NO ACTION
35	60+03.00		19.00	M10-2	2	SB/NB	8	6	0.33	1	2.50	PST	RELOCATE, MP 2, TWO SIGNS BACK TO BACK
36	60+23.28	35.37		R1-1	STOP	WB	36	36	9.00	1	2.50	PST	
37	60+23.28	35.37		D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 36
38	60+23.28	35.37		D3-1	KINGS ROW	NB/SB	8	48	2.67				ABOVE SIGN 36
39	68+28.8	27.38		R1-1	STOP	WB	36	36	9.00	1	2.50	PST	
40	68+28.80	27.38		D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 39
41	68+28.80	27.38		D3-1	ODIN LANE	NB/SB	8	36	2.00				ABOVE SIGN 39
42	70+00	27.00		R2-1	SPEED LIMIT 40	NB	36	30	7.50	1	2.50	PST	
43	71+02.71	31.22		R1-1	STOP	WB	36	36	9.00	1	2.50	PST	
44	71+02.71	31.22		D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 43
45	71+02.71	31.22		D3-1	MILL RD	NB/SB	8	36	2.00				ABOVE SIGN 43
46	~~71+46.00~~ 72+15		16.50	R2-1	SPEED LIMIT 40	SB	36	30	7.50	1	2.50	PST	RELOCATE
47	~~72+55.00~~ 73+30		18.00	R8-1	NO PARKING ON PAVEMENT	SB	30	24	5.00	1	2.50	PST	RELOCATE
48	~~72+55.00~~ 73+30		18.00	R8-1A	OR WITHIN 8 FT	SB	12	24	2.00				UNDER SIGN 47
49	74+93.65	29.64		R1-1	STOP	WB	36	36	9.00	1	2.50	PST	
50	74+93.65	29.64		D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 49

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
O:\Psg\68165\Planset\K_SigningPlan.dwg
lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

SIGN SUMMARY

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION– SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

SIGN SUMMARY

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
K8	89

615 (1) STANDARD SIGN SUMMARY

SIGN NO.	STA	OFFSET L	OFFSET R	TYPE	LEGEND	FACING	HEIGHT (IN)	WIDTH (IN)	AREA (SQ FT)	POST NO.	POST SIZE (IN)	POST TYPE	REMARKS
51	74+93.65	29.64		D3-1	CORNELIUS RD	NB/SB	8	54	3.00				ABOVE SIGN 49
52	77+94.11	27.00		R1-1	STOP	WB	36	36	9.00	1	2.50	PST	
53	77+94.11	27.00		D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 52
54	77+94.11	27.00		D3-1	LYONS RD	NB/SB	8	30	1.67				ABOVE SIGN 52
55	85+84.00		19.00	W1-2L	CURVE LEFT	SB	36	36	9.00	1	2.50	PST	RELOCATE
56	88+53.00		19.00		SCHOOL BUS STOP AHEAD	SB	36	36	9.00	1	2.50	PST	RELOCATE
57	89+72.52		25.28		TRUCK CROSSING	SB			0.00				REMOVE
58	91+53.62	41.13		R1-1	STOP	WB	36	36	9.00	1	2.50	PST	
59	91+53.62	41.13		D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 58
60	91+53.62	41.13		D3-1	HUNGERFORD HILL RD	NB/SB	8	78	4.33				ABOVE SIGN 58
61	93+50	29.00		W1-2R	CURVE RT	NB	36	36	9.00	1	2.50	PST	RELOCATE
62	99+00.36	21.98		R1-1	STOP	WB	36	36	9.00	1	2.50	PST	
63	99+00.36	21.98		D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 62
64	99+00.36	21.98		D3-1	OLSON RD	NB/SB	8	42	2.33				ABOVE SIGN 62
65	104+04.54		39.82		STATE OF ALASKA MAINTENANCE SHOP	WB			0.00				NO ACTION
66	105+08.00		40.00		STOP	EB			0.00				NO ACTION
67	105+90.38		31.57	D1-1	SCOW BAY LOOP RD ==>	SB	12	78	6.50	2	2.00	PST	TWO POST SIGN
68	~~107+76.86~~ 107+60		28.00		STOP	SB	18	18	2.25	1	2.50	PST	END OF PATH
69	108+24.68		40.04	R1-1	STOP	EB	36	36	9.00	1	2.50	PST	
70	108+24.68		40.04	D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 69
71	108+24.68		40.04	D3-1	SCOW BAY LOOP RD	NB/SB	8	66	3.67				ABOVE SIGN 69
72	114+65.31	28.70			TRUCK CROSSING	NB			0.00				REMOVE
73	114+76.60		24.16	M10-2	3	SB/NB	~~X~~ 18	~~X~~ 10	0.33	1	2.50	PST	MP 3, TWO SIGNS BACK TO BACK
74	115+68.21		26.85		ADOPT A HIGHWAY	SB			0.00				NO ACTION
75	115+68.21		26.85		SCOUT TROOP 24	SB			0.00				NO ACTION
76	115+86.39	26.09			ADOPT A HIGHWAY	NB			0.00				NO ACTION
77	115+86.39	26.09			PETERSBURG YOUTH PROGRAM	NB			0.00				NO ACTION
78	116+43.10		25.65	W1-2R	CURVE RT	SB	36	36	9.00	1	2.50	PST	
79	116+49.06	23.25		R2-1	SPEED LIMIT 40	NB	36	30	7.50	1	2.50	PST	
80	119+19.22		45.27	R1-1	STOP	EB	36	36	9.00	1	2.50	PST	
81	119+19.22		45.27	D3-1	MITKOF HWY	EB/WB	8	48	2.67				ABOVE SIGN 80
82	119+19.22		45.27	D3-1	SCOW BAY LOOP RD	NB/SB	8	66	3.67				ABOVE SIGN 80
83	122+89.22	26.63			<=== SCOW BAY LOOP	SB			0.00				NO ACTION
84	126+28.07		22.65	W1-2L	CURVE LEFT	SB	36	36	9.00	1	2.50	PST	
85	126+50.18	24.00		W1-2L	CURVE LEFT	NB	36	36	9.00	1	2.50	PST	
86	127+88.48		23.81	W11-10	TRUCK CROSSING	SB	36	36	9.00	1	2.50	PST	
87	129+73.34		32.31		NO PARKING ON PAVEMENT	SB			0.00				NO ACTION
88	129+73.34		32.31		OR WITHIN 8 FT	SB			0.00				NO ACTION
89	134+81.26	24.84		W1-1R	CURVE RT	NB	36	36	9.00	1	2.50	PST	
90	126+37.00	24.12		R8-1	NO PARKING ON PAVEMENT	NB	30	24	5.00	1	2.50	PST	
91	126+37.00	24.12		R8-1A	OR WITHIN 8 FT	NB	12	24	2.00				BELOW SIGN 90
92	~~126+37.19~~ 127+40		25.78	R8-1	NO PARKING ON PAVEMENT	SB	30	24	~~5.00~~	~~1~~	~~2.50~~	~~PST~~	No Action
93	~~126+37.19~~ 127+40		25.78	R8-1A	OR WITHIN 8 FT	SB	12	24	~~2.00~~				BELOW SIGN 92 No Action
94	144+83.07		27.51	M10-2	4	SB/NB	~~X~~ 18	~~X~~ 10	0.33	1	2.50	PST	MP 4, TWO SIGNS BACK TO BACK
95	146+46.74		26.34	R2-1	SPEED LIMIT 50	SB	36	30	7.50	1	2.50	PST	
96	146+47.52	26.26		R2-1	SPEED LIMIT 40	NB	36	30	7.50	1	2.50	PST	
								TOTAL	454.92				

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
Q:\Psg\68165\Planset\K_SigningPlan.dwg
lrobertson

PLOT:
PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

SIGN SUMMARY

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
P. PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

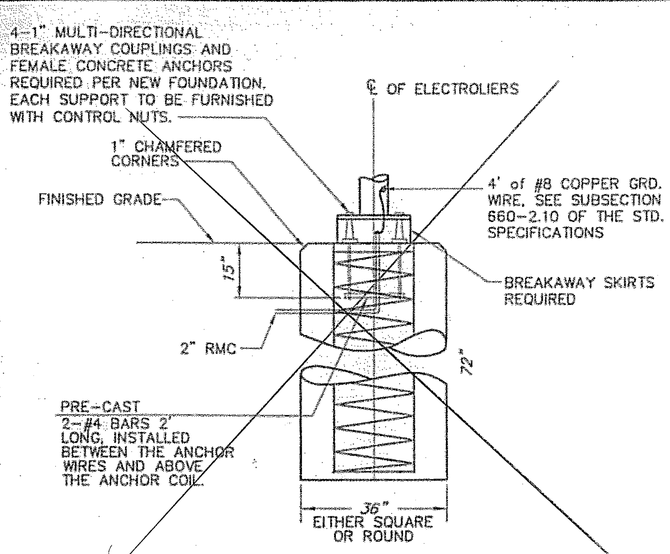
CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

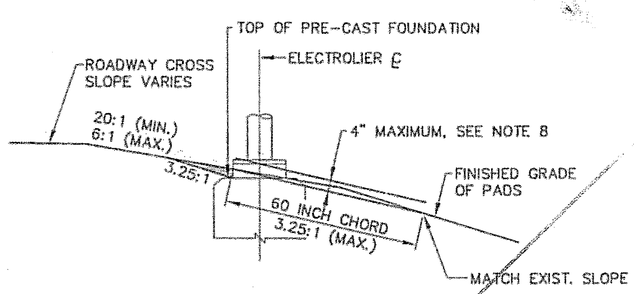
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION– SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

SIGN SUMMARY

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
K9	89



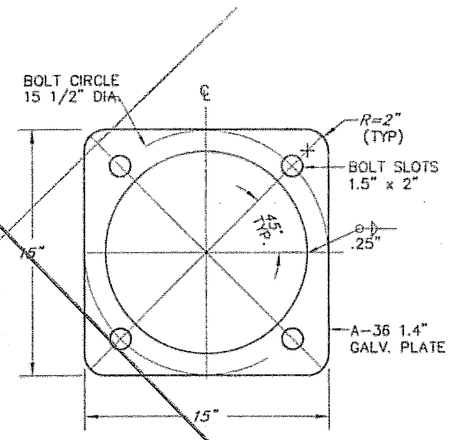
FOUNDATION WITH BREAKAWAY COUPLINGS



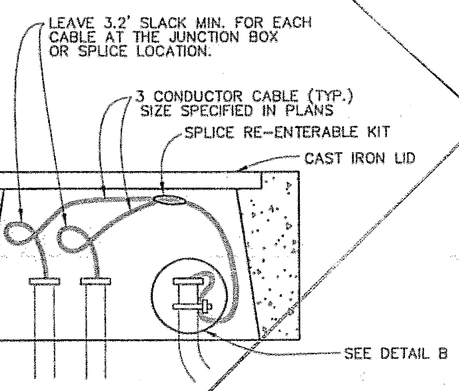
FOUNDATION GRADING DETAIL

INDICATES EMBANKMENT MATERIAL TO BE REMOVED FROM AROUND BREAKAWAY SKIRTS

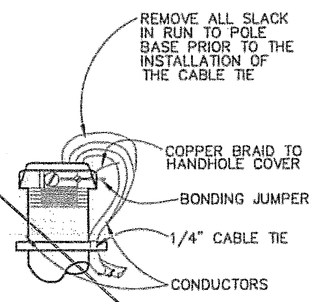
Replaced by Haight & Assoc. Design



ANCHOR BASE DETAIL

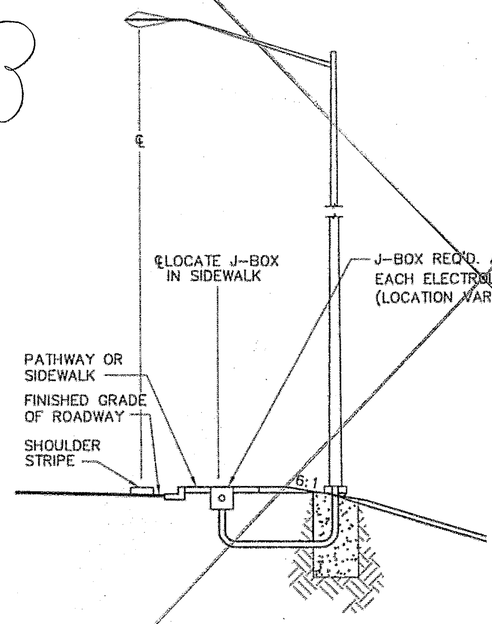


DETAIL A

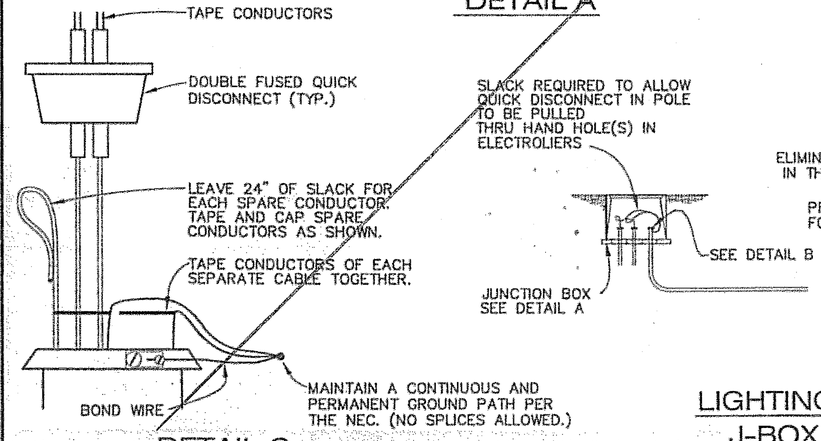


DETAIL B

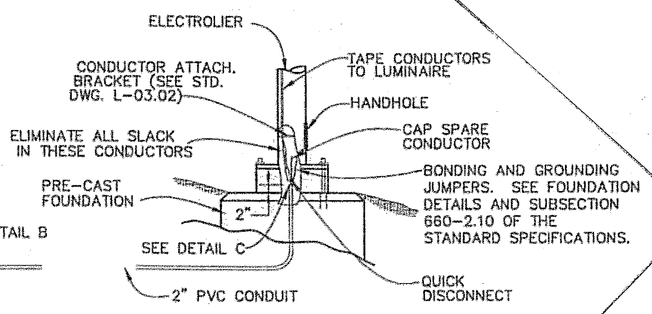
(IN J-BOX)



TYPICAL SECTION FOR ELECTROLIER



DETAIL C



LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS

(BREAKAWAY COUPLINGS)

ILLUMINATION GENERAL NOTES

1. EACH NEW ELECTROLIER SHALL HAVE A J-BOX INSTALLED ADJACENT TO THE FOUNDATION AS SHOWN IN THE POLE AND J-BOX WIRING DETAIL.
2. ALL JUNCTION BOXES SHALL BE TYPE I-A. SEE STANDARD DRAWING L-23.01.
3. NEW ELECTROLIER FOUNDATIONS SHALL BE PRE-CAST. PRE-CAST FOUNDATIONS SHALL BE LIFTED AND TRANSPORTED USING A DEVICE THAT DISTRIBUTES THE LOAD EVENLY BETWEEN THE ANCHOR BOLTS.
4. INSTALL THE PHOTOELECTRIC CELL ON TOP OF ALL LUMINARIES.
5. ILLUMINATION CIRCUIT WIRES SHALL BE NO. 8 AWG. 3-CONDUCTOR CABLE AS SPECIFIED IN STANDARD SPECIFICATION 660.
6. NON-BREAKAWAY PORTIONS OF FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE ANY 5' CHORD STARTING AND ENDING ON THE FINISHED GRADE OF THE ELECTROLIER PADS.

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: G:\Proj\68165\Planset\K_SignalPlan.dwg lrobertson
PLOT: PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

LIGHTING DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-9104 REGISTERED PROFESSIONAL ENGINEER

4/5/05

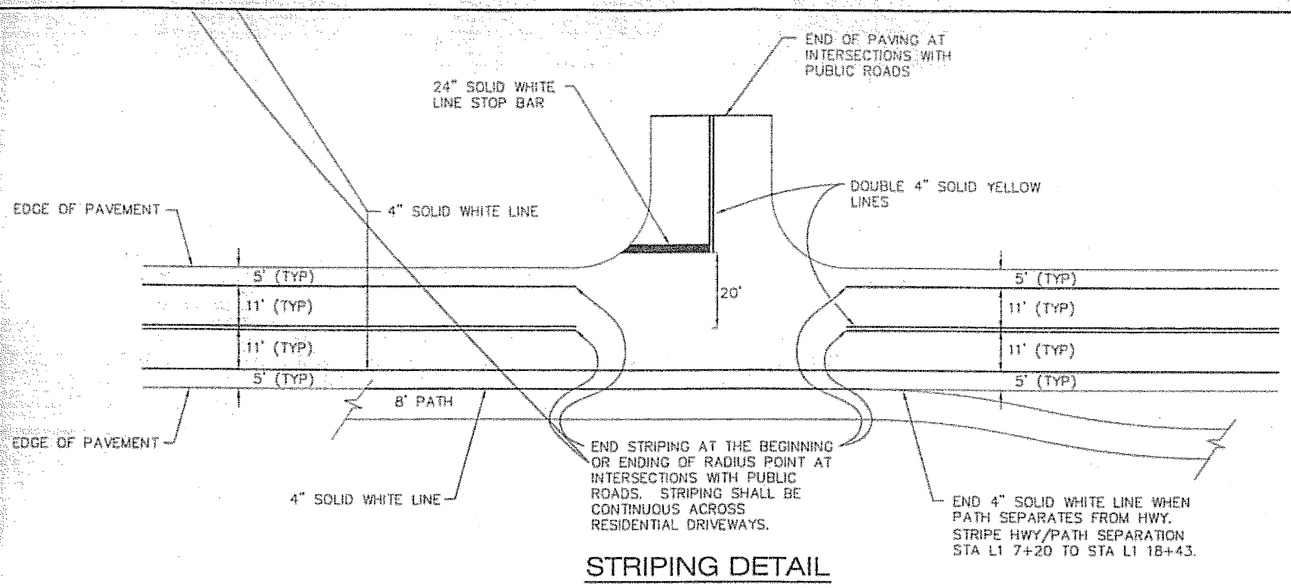
CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION - SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

LIGHTING DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
K10	89



STRIPING DETAIL

NOTES

1. ONLY PUBLIC ROADWAYS WILL BE MARKED AS INTERSECTION APPROACHES.
2. LOCATION OF PASSING AND NO PASSING ZONES WILL BE DETERMINED AND FIELD LOCATED BY THE ENGINEER.

All this electrical information has been revised. Haight & Assoc. redesigned the lighting system. See Greg Lockwood for the revised design. A Worly

JUNCTION BOX SUMMARY

NUMBER	STATION "L1"	POWER SOURCE	NUMBER	STATION "L1"	POWER SOURCE
1	5 + 15	pp # 48B near pole 1A	34	54 + 22	
2	6 + 24		35	55 + 16	
3	7 + 88		36	57 + 19	
4	7 + 70		37	58 + 40	pp # 139C at st 58 + 40
5	9 + 02		38	59 + 00	
6	9 + 95		39	60 + 44	
7	10 + 88		40	62 + 80	
8	13 + 44		41	64 + 86	
9	15 + 25		42	66 + 73	
10	17 + 20		43	68 + 80	pp at st 68 + 80
11	18 + 50	pp at st 18 + 55	44	71 + 20	
12	19 + 10		45	72 + 70	
13	21 + 02		46	74 + 95	
14	23 + 10		47	76 + 68	
15	25 + 15		48	78 + 20	
16	26 + 92		49	80 + 65	
17	29 + 08		50	81 + 65	pp# 169C at st 81 + 69
18	30 + 65		51	82 + 75	
19	31 + 58		54	84 + 95	
20	32 + 95		53	86 + 55	
21	33 + 35	pp # S125 at st 33 + 35	54	88 + 75	
22	34 + 08		55	89 + 80	
23	35 + 19		56	90 + 60	
24	36 + 91		57	92 + 56	
25	39 + 05		58	94 + 00	pp# S188 at st 94+00
26	40 + 90		59	94 + 63	
27	42 + 90		60	96 + 65	
28	44 + 85		61	98 + 83	
29	46 + 90		62	100 + 63	
30	48 + 88		63	103 + 00	
31	50 + 86		64	105 + 18	pp # 195B at st 105 + 42
32	51 + 75	pp # S135 at st 51 +75	65	307 + 00	
33	52 + 77		66	108 + 45	

LUMINAIRE SUMMARY

NUMBER	STATION "L1"	OFFSET (FT) ??	MAST ARM LENGTH ??	POLE HEIGHT	COMMENTS
1A	5+15	25	8	35	
2A	7+60	25	8	35	
3A	9+02	25	8	35	
4A	10+86	25	8	35	
5A	13+44	25	8	35	
6A	15+25	25	8	35	
1B	17+20	25	8	35	
2B	19+10	22	6	37	
3B	21+02	22	6	37	
4B	23+10	22	6	37	
5B	25+15	22	6	37	
6B	26+92	22	6	37	
1C	29+08	24	6	35	
2C	31+58	20	4	35	
3C	32+95	22	6	37	
4C	35+19	22	6	37	
5C	36+91	22	6	37	
6C	39+05	22	6	37	
1D	40+90	22	6	37	
2D	42+90	22	6	37	
3D	44+85	22	8	37	
4D	46+90	22	8	37	
5D	48+88	22	8	37	
6D	50+86	26	8	37	
1E	52+77	22	6	37	
2E	55+16	20	4	35	
3E	57+19	20	4	35	
4E	59+00	20	4	35	
5E	60+44	19	4	35	
6E	62+80	19	4	35	
1F	64+87	30	15	35	
2F	66+73	30	15	35	
3F	68+80	32	15	35	
4F	71+20	32	15	35	
5F	72+70	32	15	35	
6F	74+98	36	15	35	
1G	76+68	22	8	35	
2G	78+20	22	8	35	
3G	80+65	32	15	35	
4G	82+75	32	15	35	
5G	84+95	32	15	35	
6G	86+55	32	15	35	
1H	88+75	32	15	35	
2H	90+60	20	4	35	
3H	92+56	26	15	35	
4H	94+93	19	4	35	
5H	96+65	19	4	35	
6H	98+83	19	4	35	
1J	100+63	32	15	35	
2J	103+00	32	15	35	
3J	105+18	32	15	35	
4J	307+00	32	15	35	
5J	108+45	24	8	35	

1. THE LUMINAIRE WILL BE A 250 VOLT, 250 WATT HIGH PRESSURE SODIUM, MEDIUM DISTRIBUTION, CUT-OFF IES TYPE III. IT SHALL HAVE A MAGNETIC REGULATOR BALLAST AND THE HPS LAMP SHALL BE RATED TO 24,000 HOURS.
2. CONDUIT SHALL BE 1.5" RMC.

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: Q:\Psg\68165\Planset\K_SigningPlan.dwg lrobertson
PLOT: PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

STRIPING DETAIL

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ JR. CE-5104 REGISTERED PROFESSIONAL ENGINEER 4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

STRIPING DETAIL

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
K7	89

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 "ALASKA STORM WATER POLLUTION PREVENTION PLAN GUIDE" AND DATED OCTOBER 2003 IS AVAILABLE FROM THE SOUTHEAST REGIONAL OFFICE OF ADO.

2. THE PROJECT SITE BEGINS AT THE STATE OF ALASKA FERRY TERMINAL PARKING LOT AND EXTENDS SOUTHWARD ON THE MITKOF HIGHWAY TO 4.6 MILE. THE SITE PARALLELS THE WRANGELL NARROWS AND IS IMMEDIATELY ADJACENT TO THE NARROWS FOR 20% OF THE PROJECT LENGTH. PETERSBURG'S CLIMATE IS CHARACTERIZED BY MILD WINTERS, COOL SUMMERS AND YEAR-ROUND RAINFALL. AVERAGE SUMMER TEMPERATURES RANGE FROM 40 TO 56; WINTERS AVERAGE FROM 27 TO 43. ANNUAL PRECIPITATION AVERAGES 106 INCHES, INCLUDING 97 INCHES OF SNOW.

3. THE TOTAL AREA OF LAND TO BE DISTURBED IS ESTIMATED AT 17 ACRES. 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.

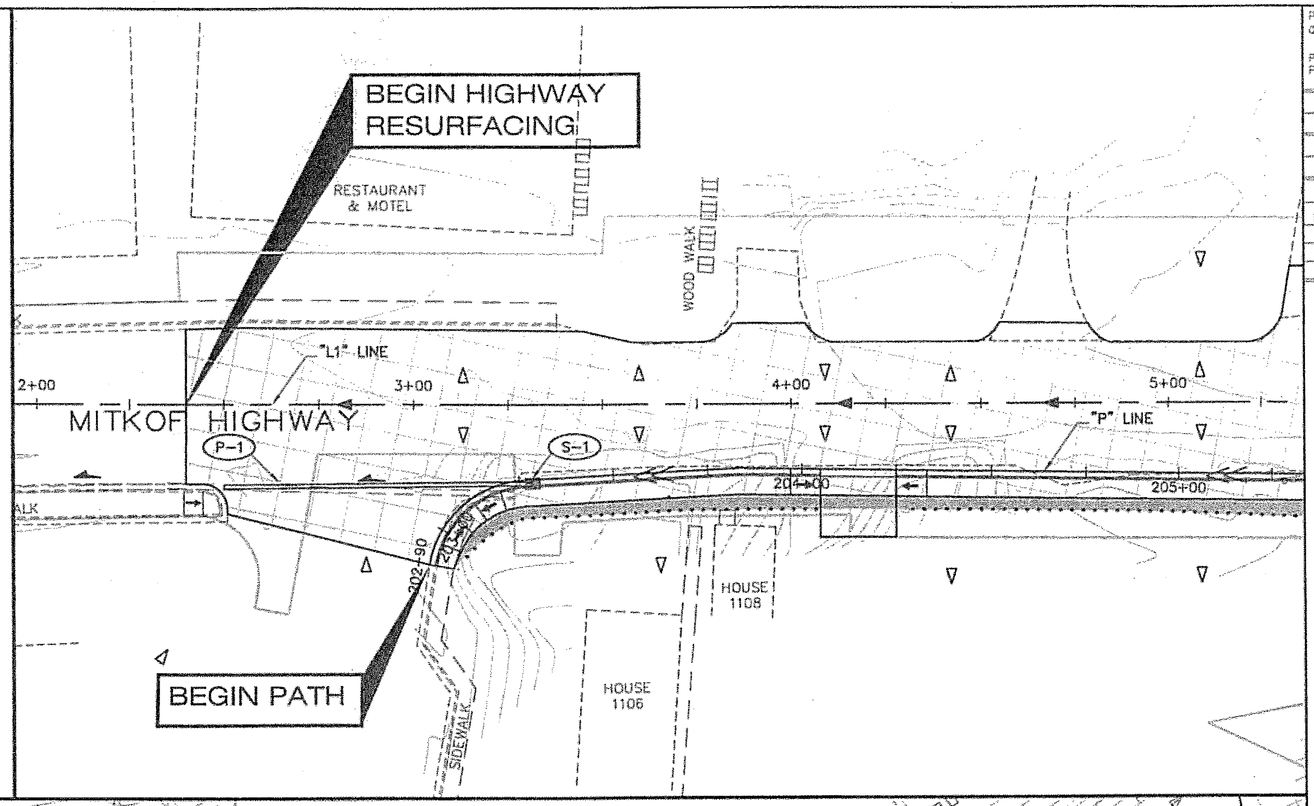
4. NEW DRAINAGE STRUCTURES SHALL HAVE INLET PROTECTION (SEDIMENT BARRIERS) INSTALLED IMMEDIATELY AFTER PLACEMENT OF DRAINAGE STRUCTURE.

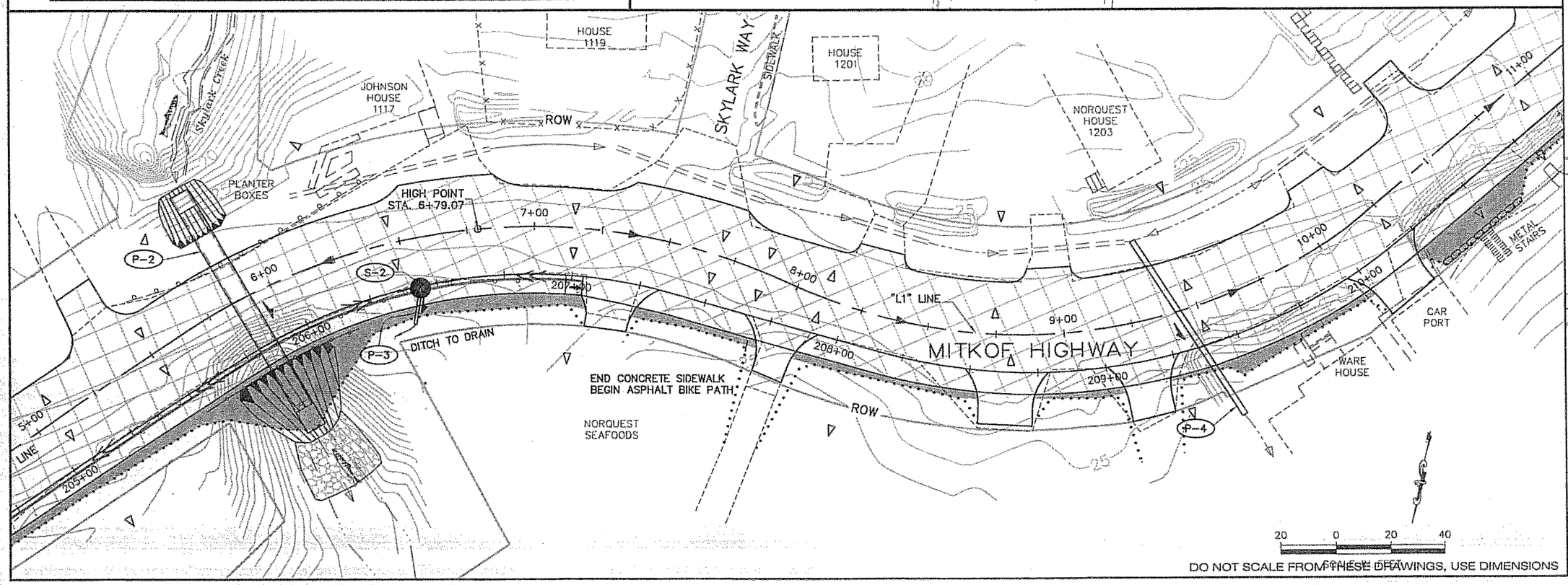
5. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSPECTED AT LEAST DAILY AND MAINTAINED UNTIL PAVING AND VEGETATION ESTABLISHMENT ARE COMPLETED. MAINTENANCE SHALL INCLUDE CLEANING OF COLLECTED SEDIMENT OR REPLACEMENT TO MAINTAIN EFFECTIVENESS.

6. SEDIMENT BARRIERS AND SILT FENCES WILL BE REMOVED AFTER FINAL RESURFACING AND VEGETATION ESTABLISHMENT ARE COMPLETED.

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
- GUTTER FLOW DIRECTION
- SLOPE STABILIZATION
- AREA OF LAND TO BE DISTURBED (EXPOSED SOIL)
- WETLANDS





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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th
PETE BEDNAROWICZ JR.
CE-5104
PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

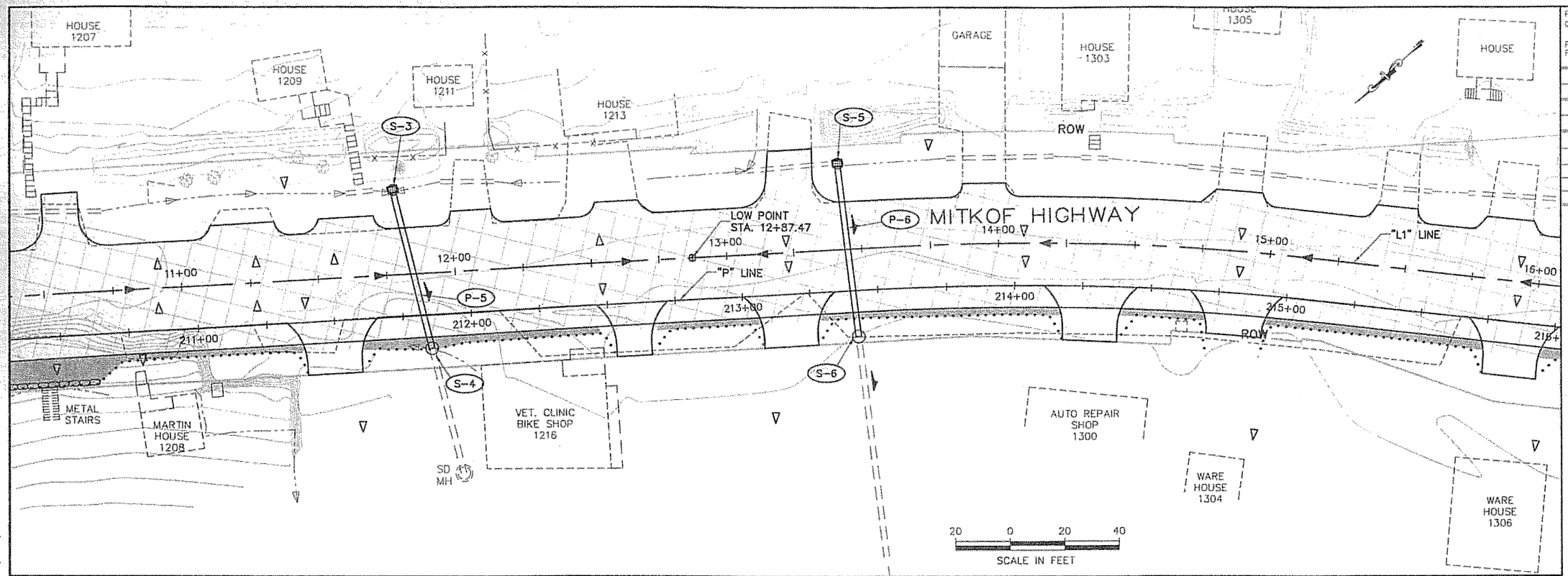
DRAWN BY: L. ROBERTSON

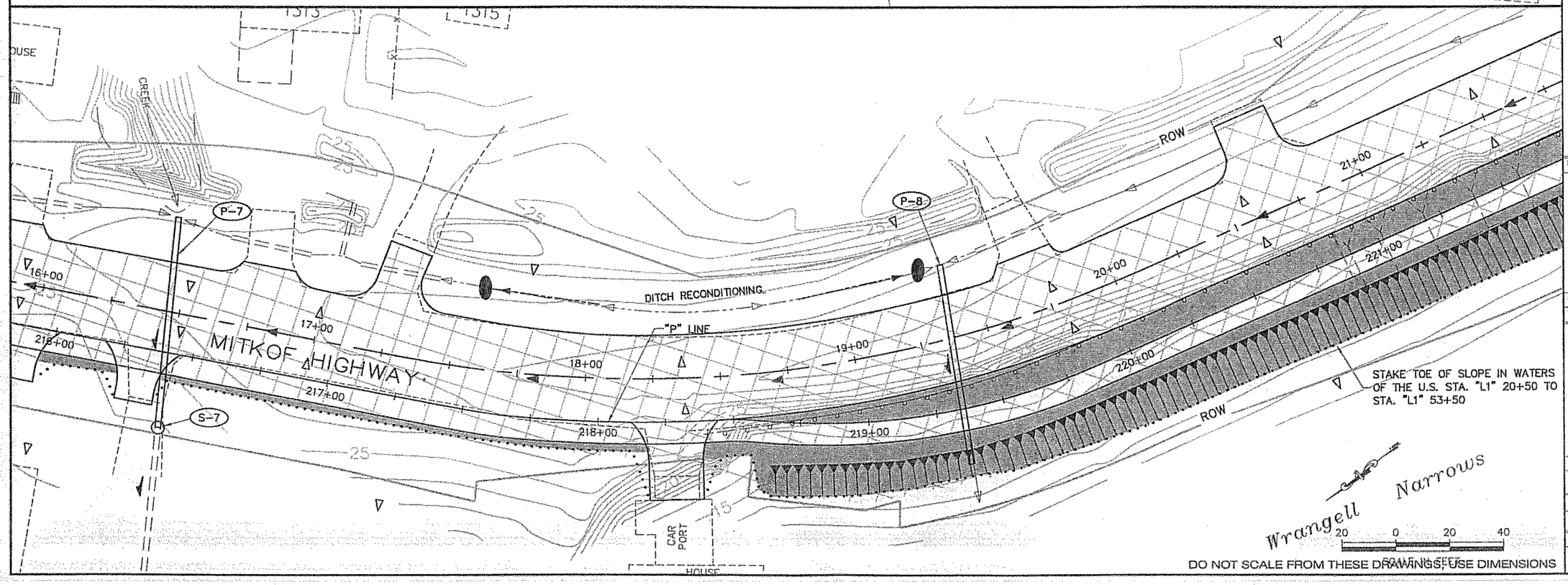
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242
EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
L1	89





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ATTACHMENT NUMBER

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No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER 4/15/05

CHECKED BY: P. BEDNAROWICZ

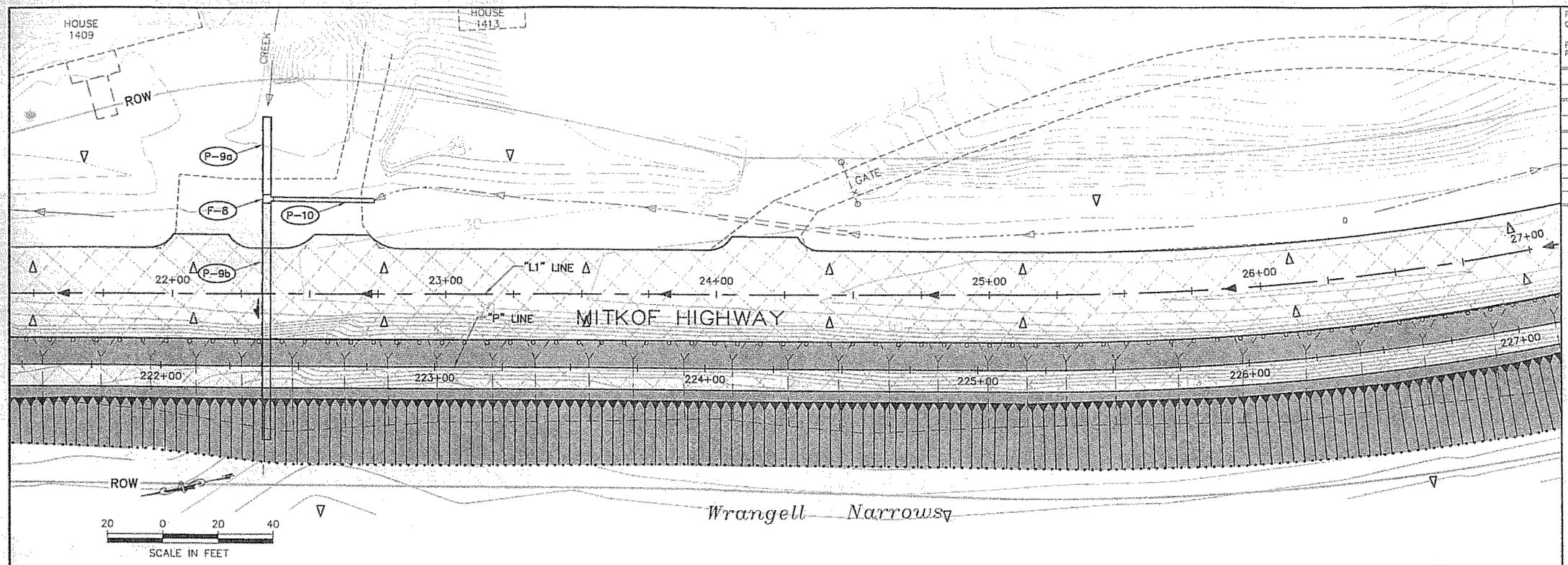
DRAWN BY: L. ROBERTSON

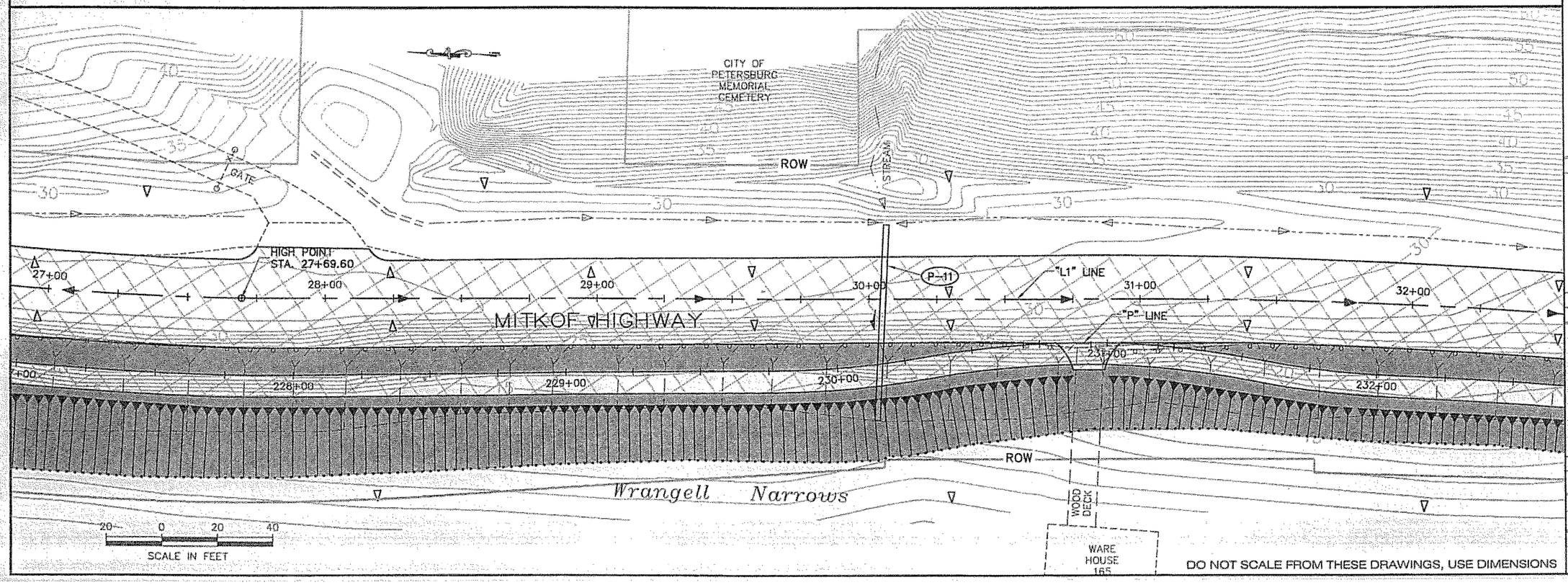
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L2	89





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MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA 49th PETE BEDNAROWICZ CE-5104 REGISTERED PROFESSIONAL ENGINEER

4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION

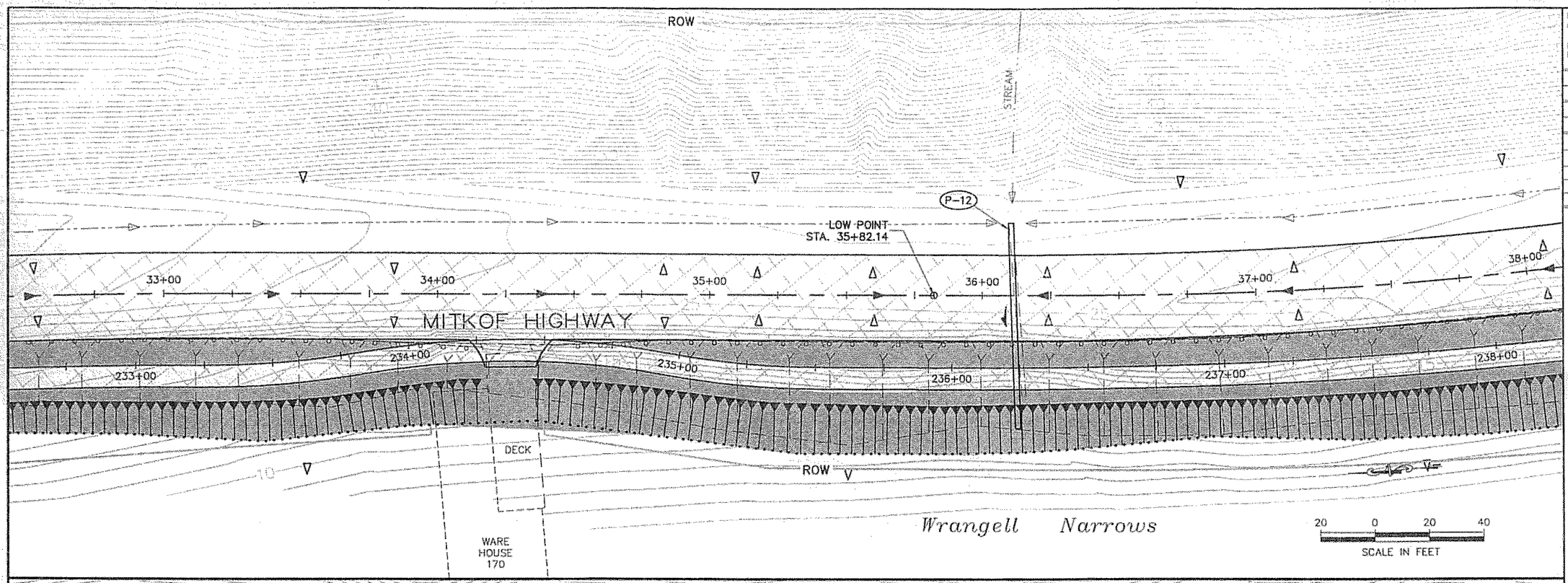
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

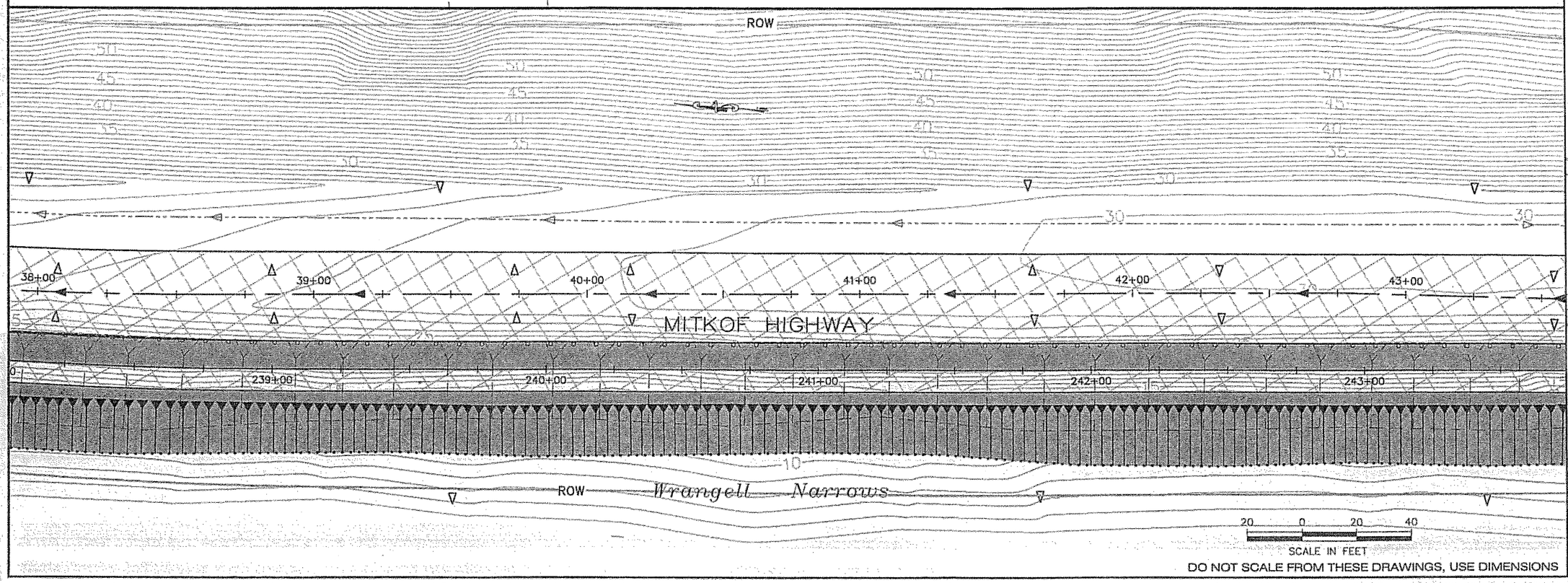
EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER

68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L3	89





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No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
9/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION

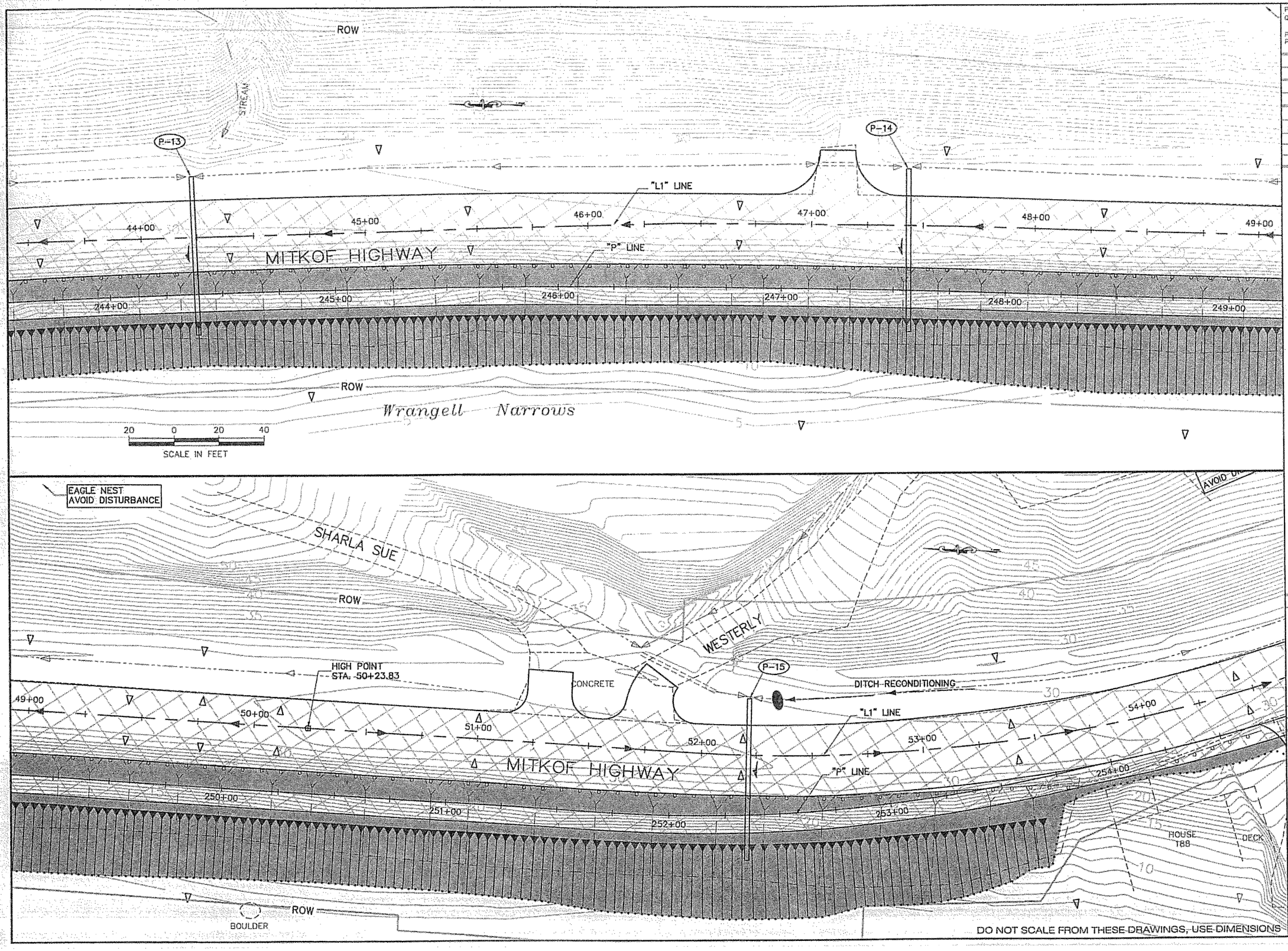
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
L4	89



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ATTACHMENT NUMBER

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No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L5	89

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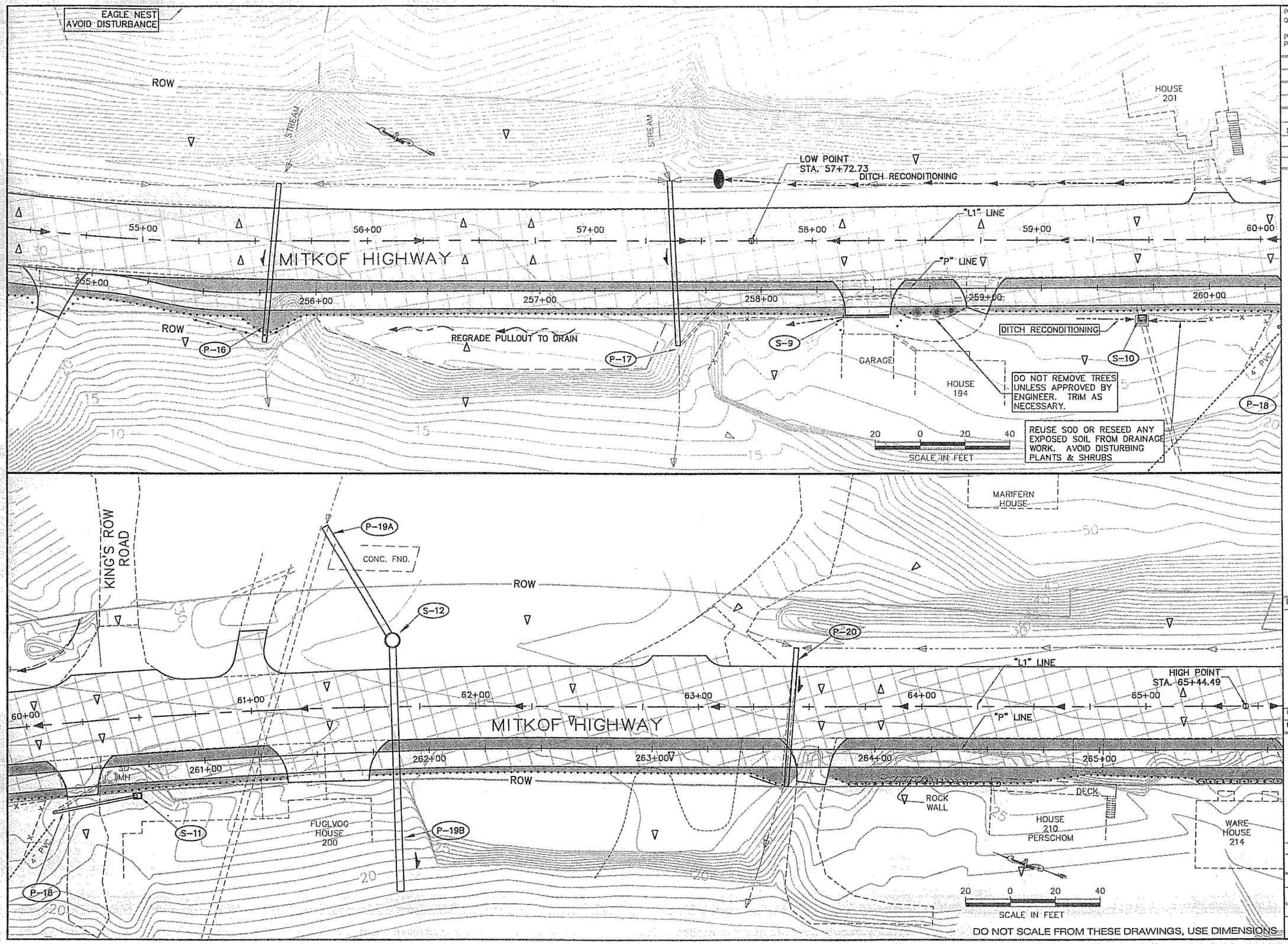

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No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

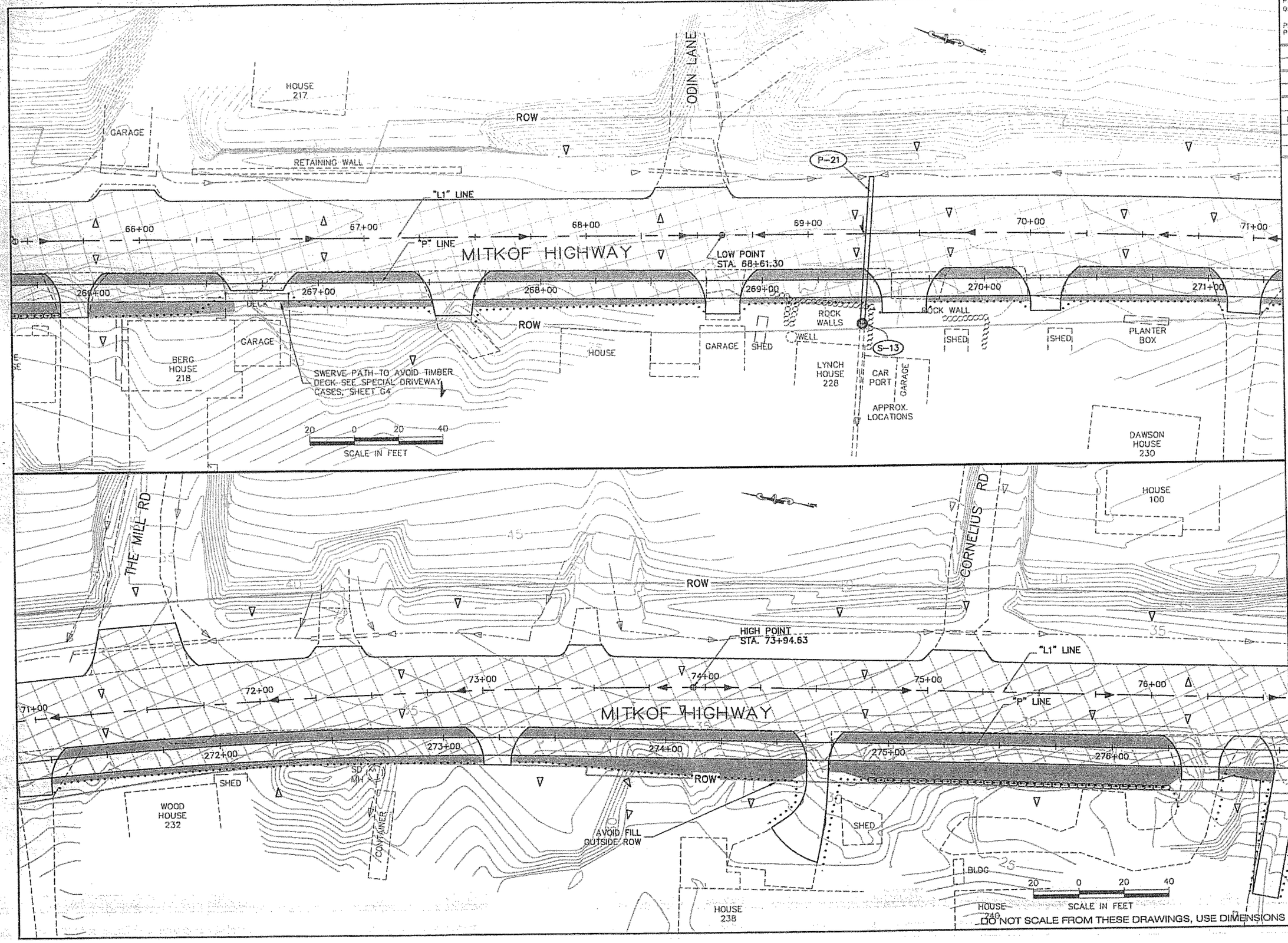
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-- SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L6	89



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No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
19th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
7/5/05

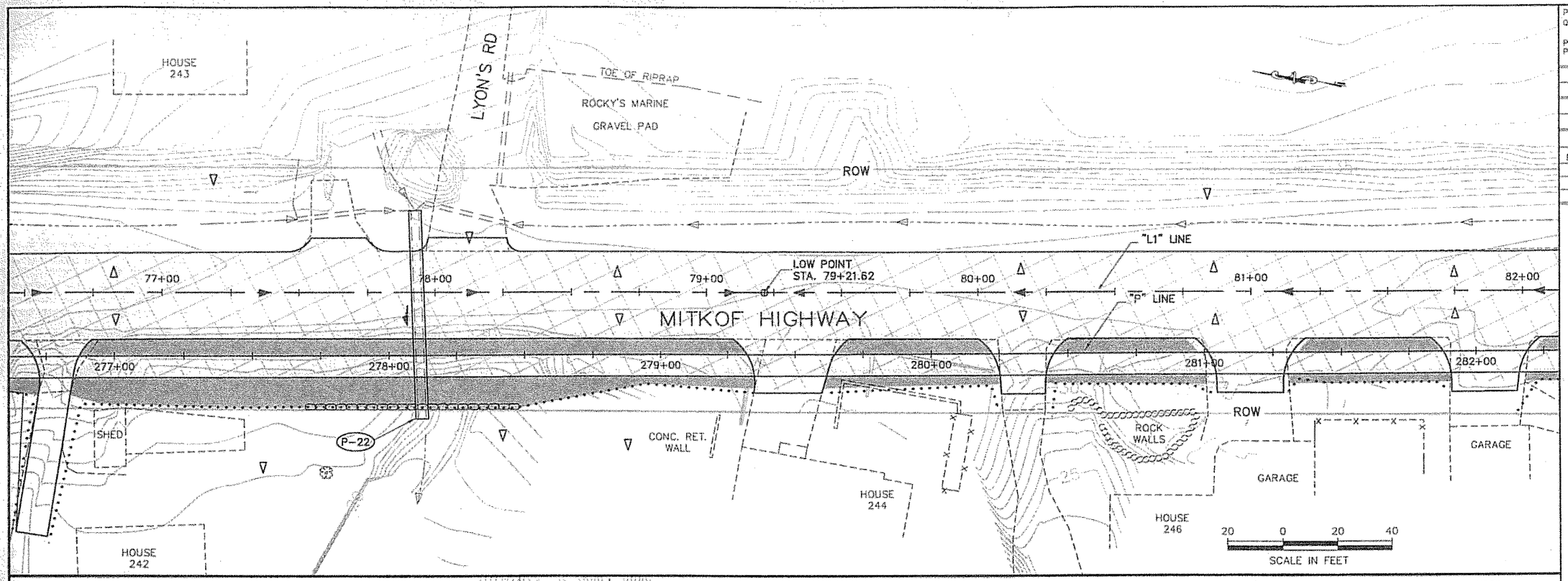
CHECKED BY: P. BEDNAROWICZ

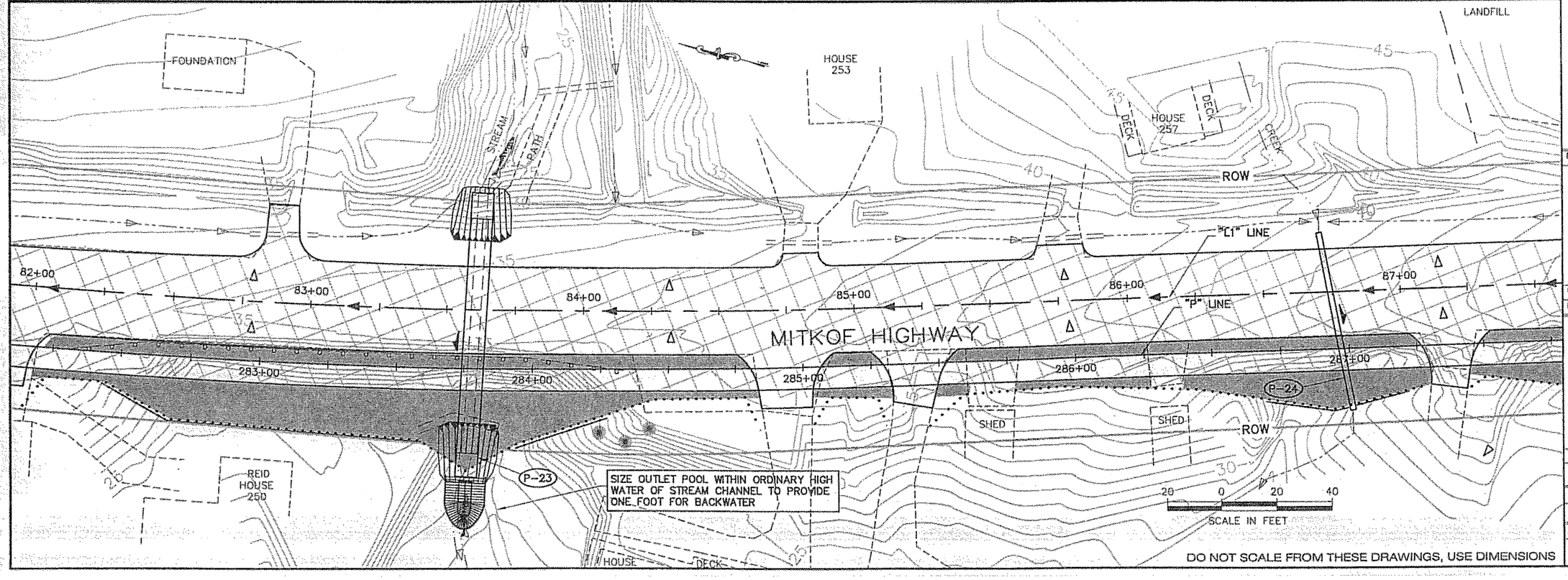
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION – SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L7	89





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ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)--68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)--68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
PROFESSIONAL ENGINEER
1/5/06

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-- SE REGION

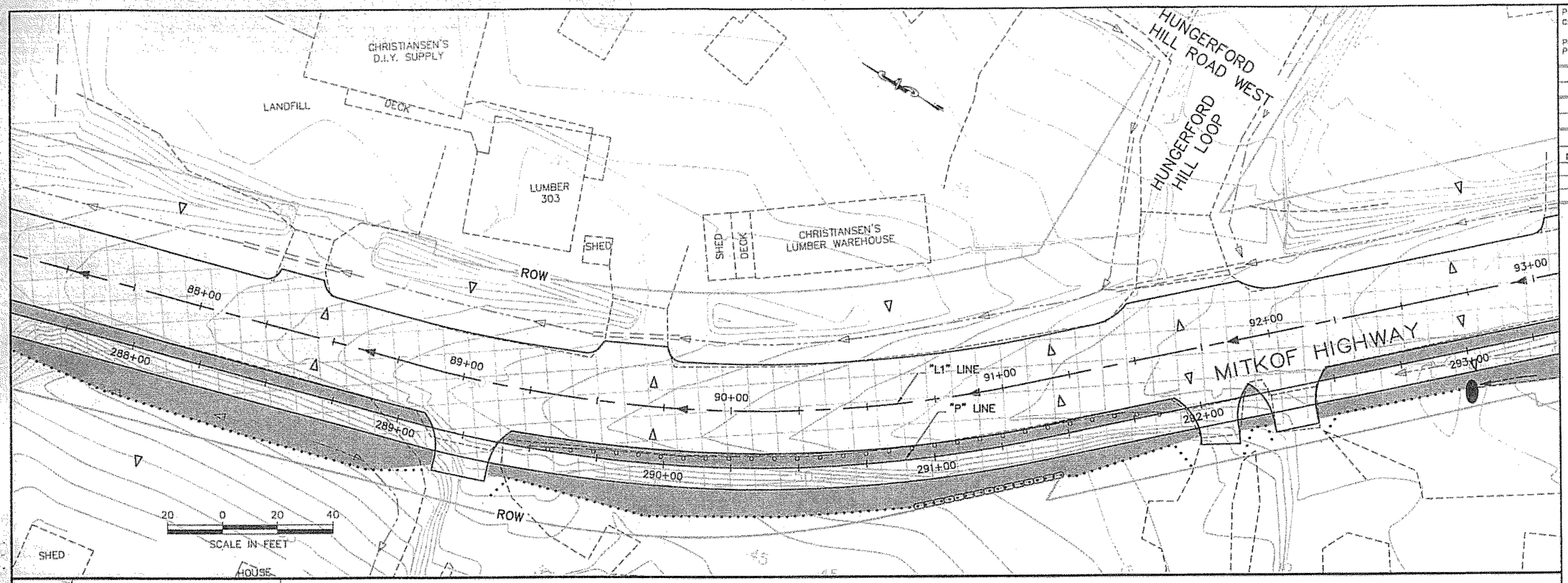
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER

68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L8	89



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ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
1/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION
PSG-MITKOF HWY
COASTAL PATH &
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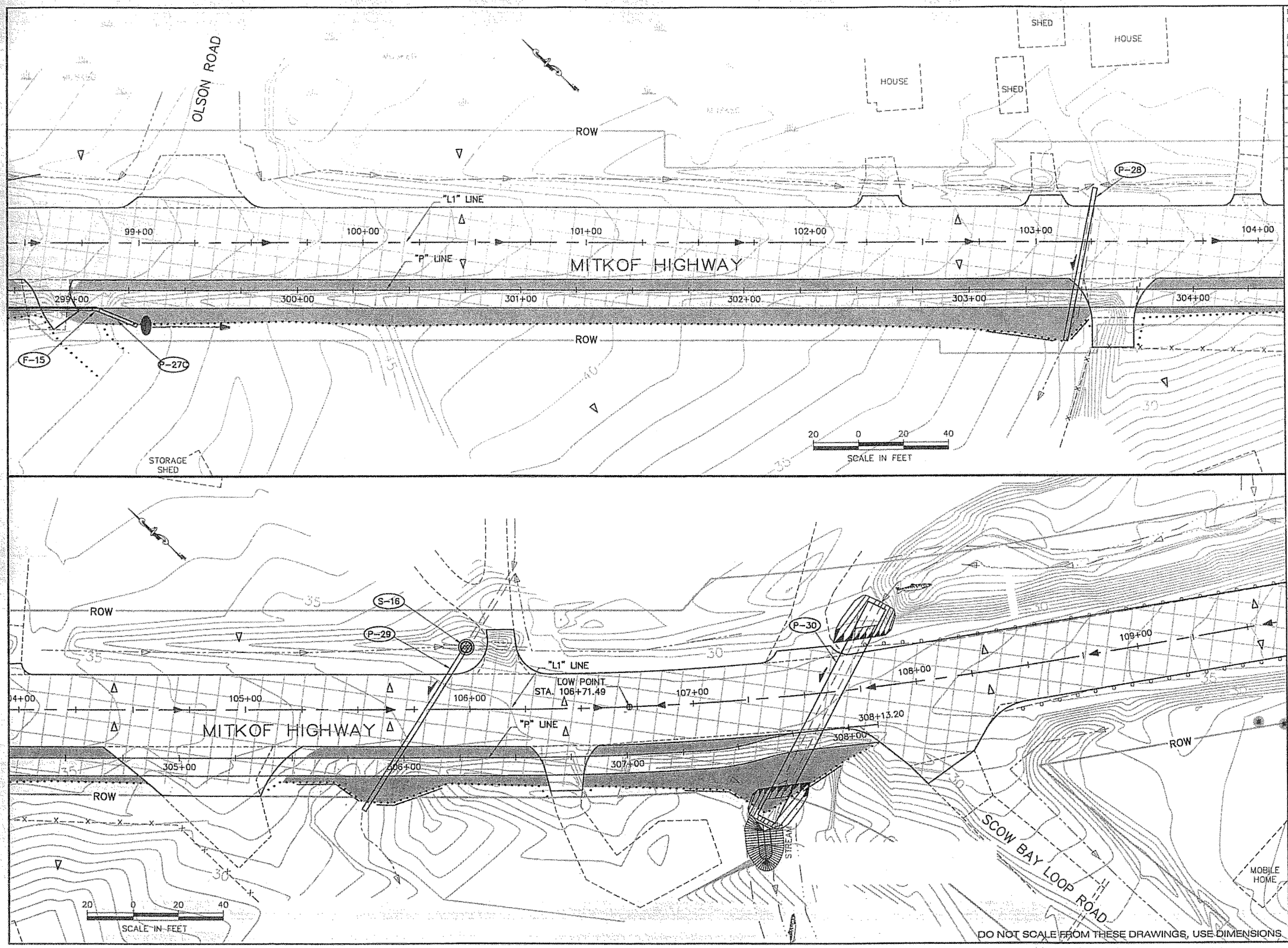
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L9	89



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RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION

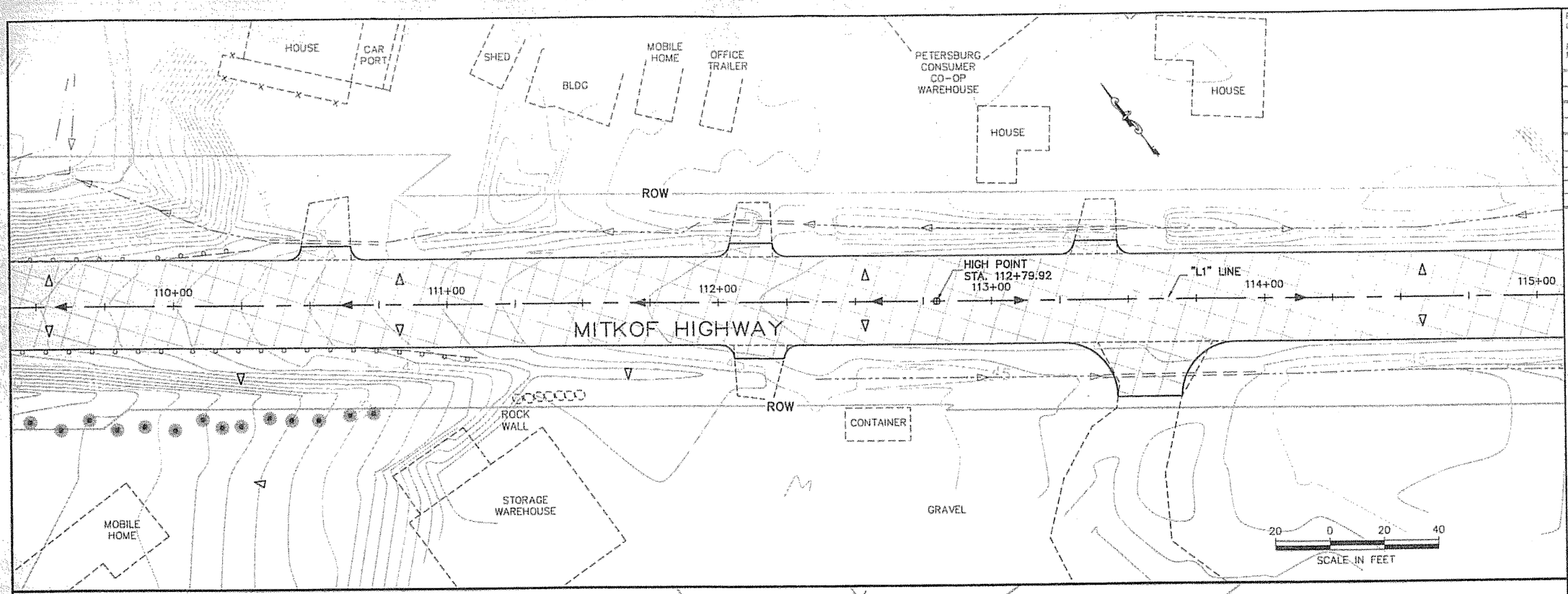
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

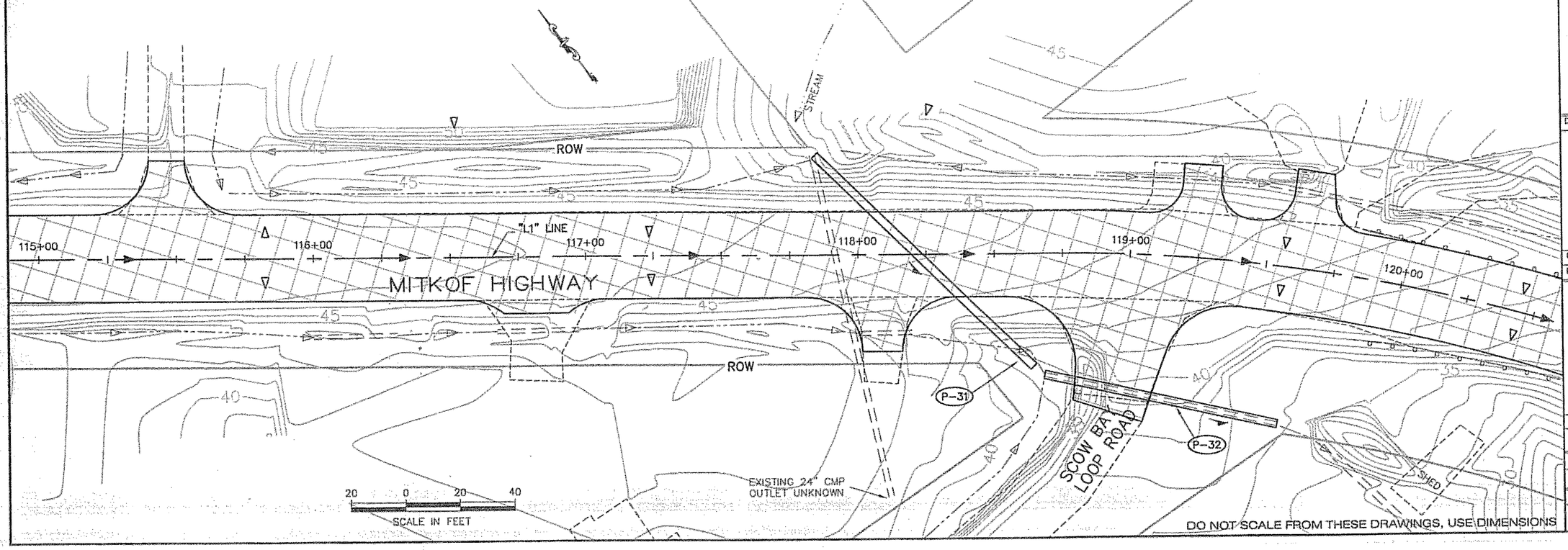
EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER

68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L10	89





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TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION– SE REGION

PSG-MITKOF HWY
COASTAL PATH &
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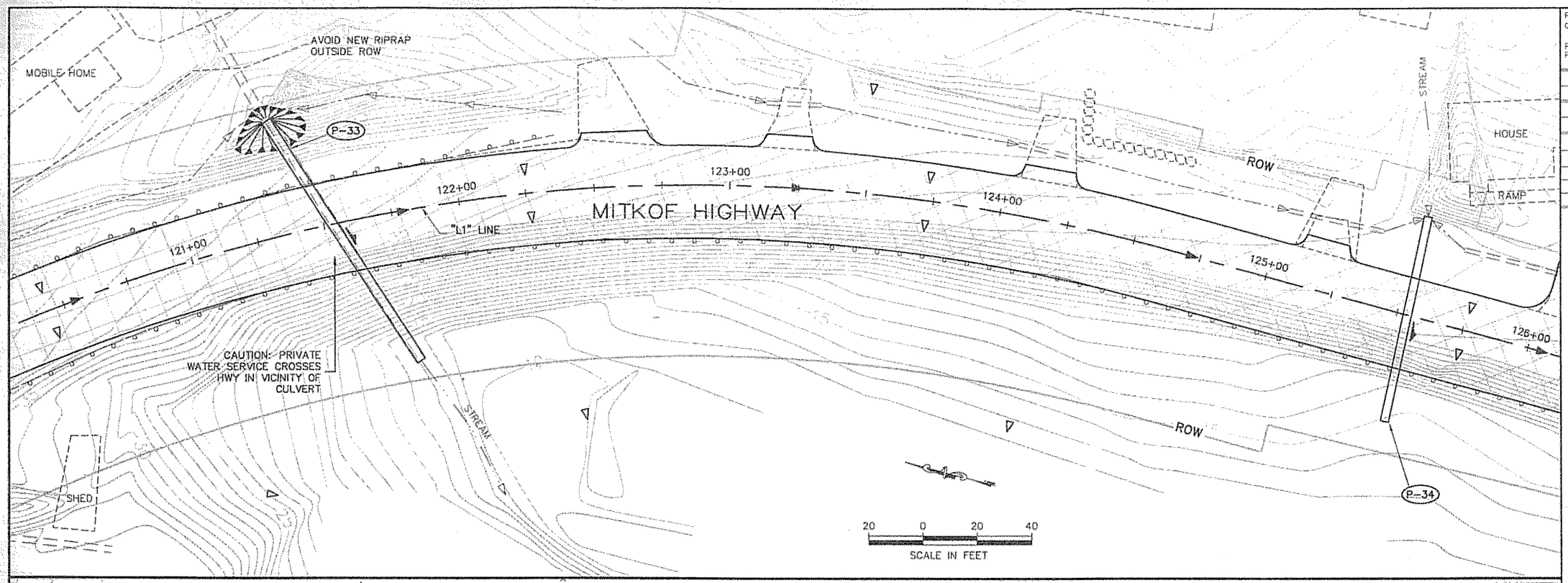
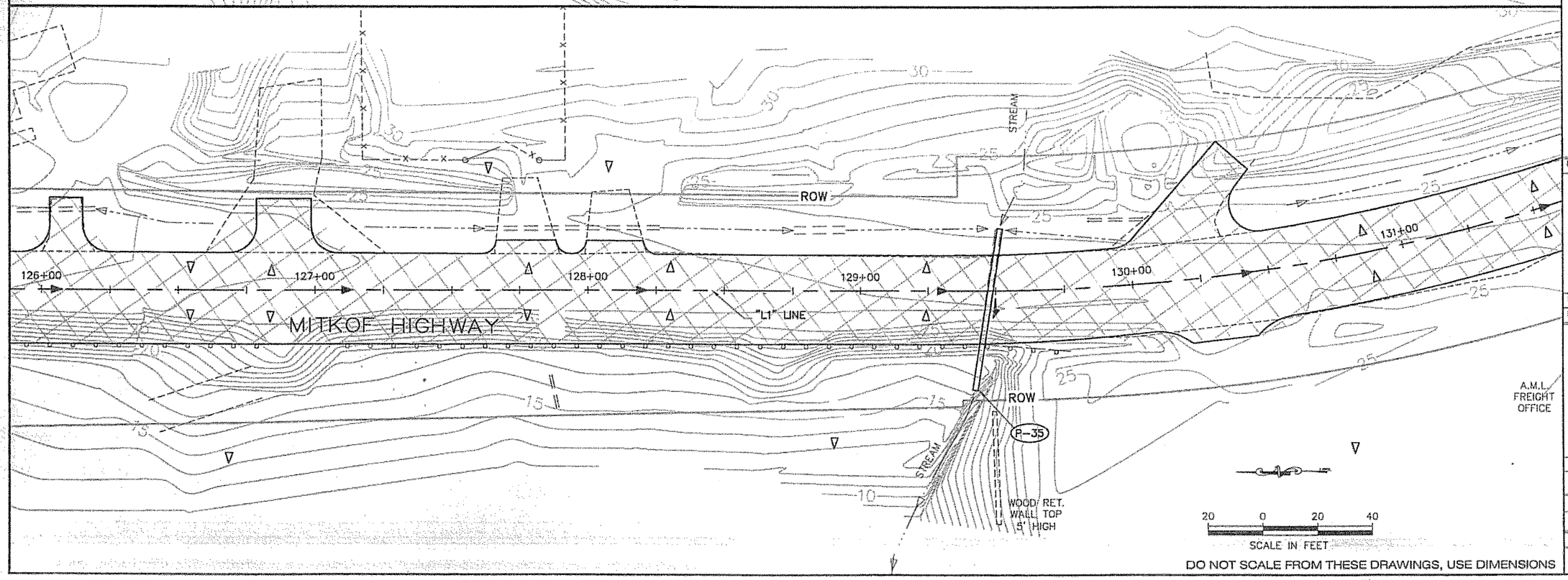
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L11	89





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MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETER C. BEDNAROWICZ
CE-9308
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

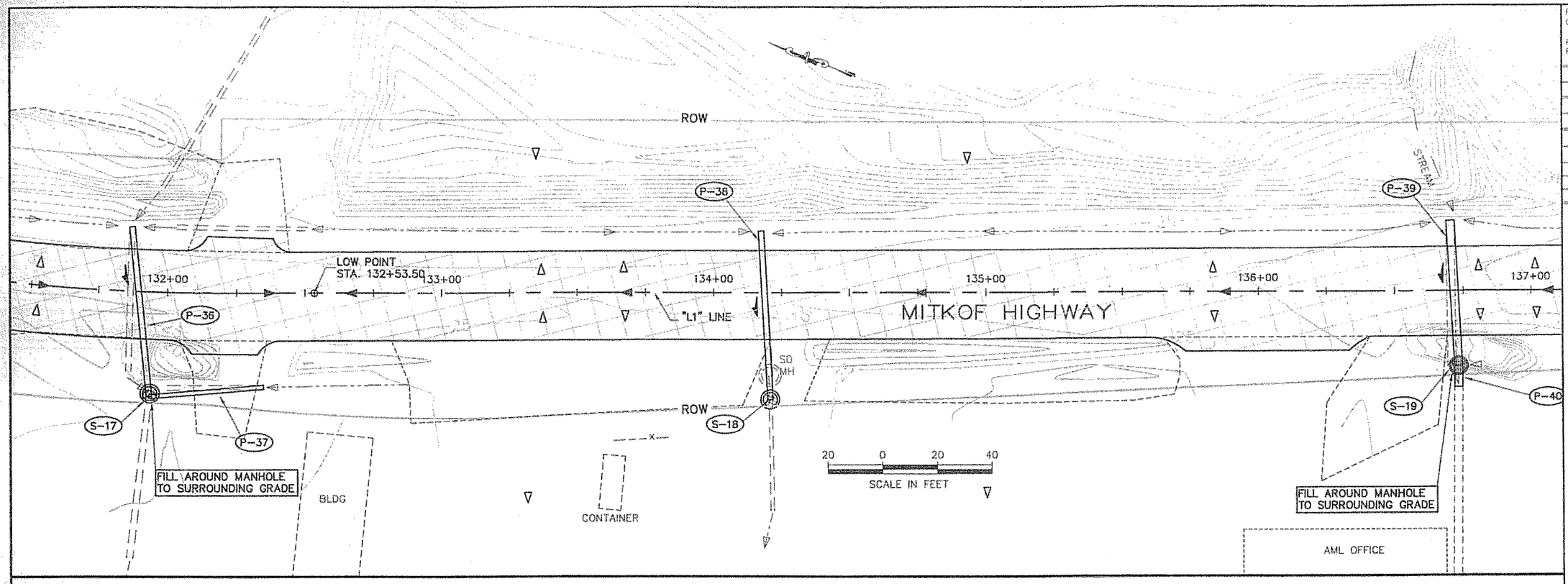
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION - SE REGION

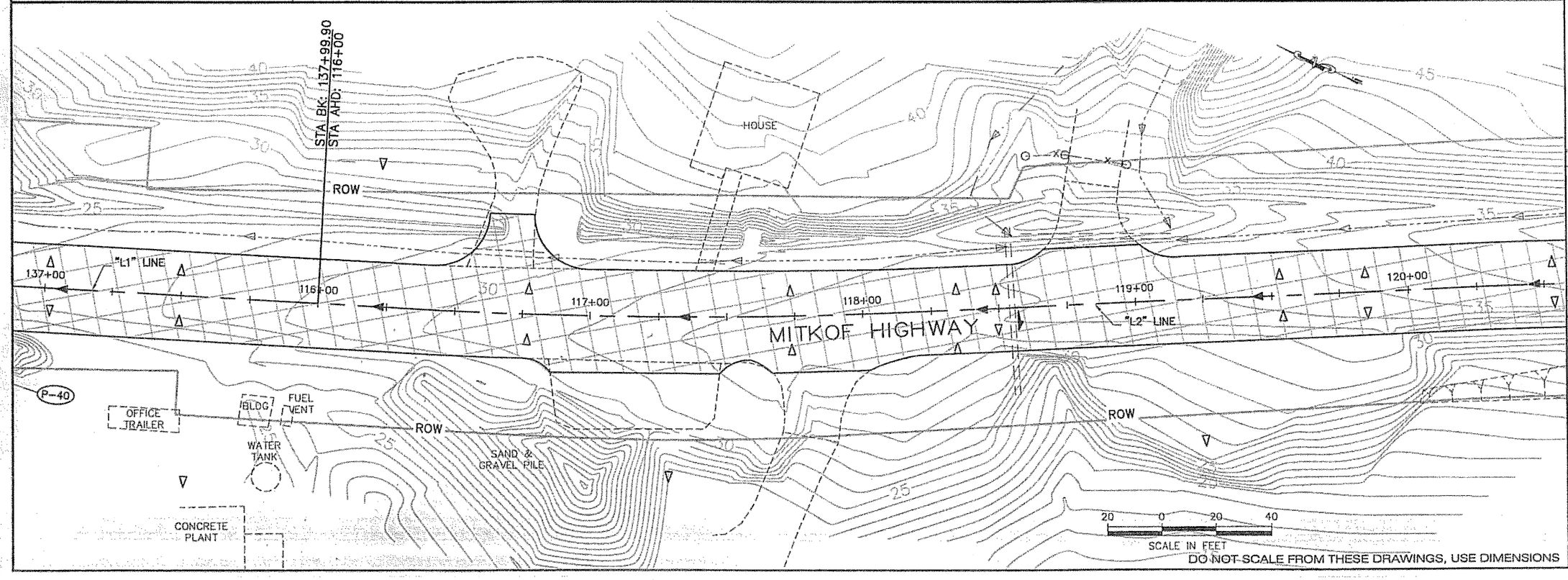
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L12	89





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lrobertson

PLOT:
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
9/15/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L13	89

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lrobertson

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
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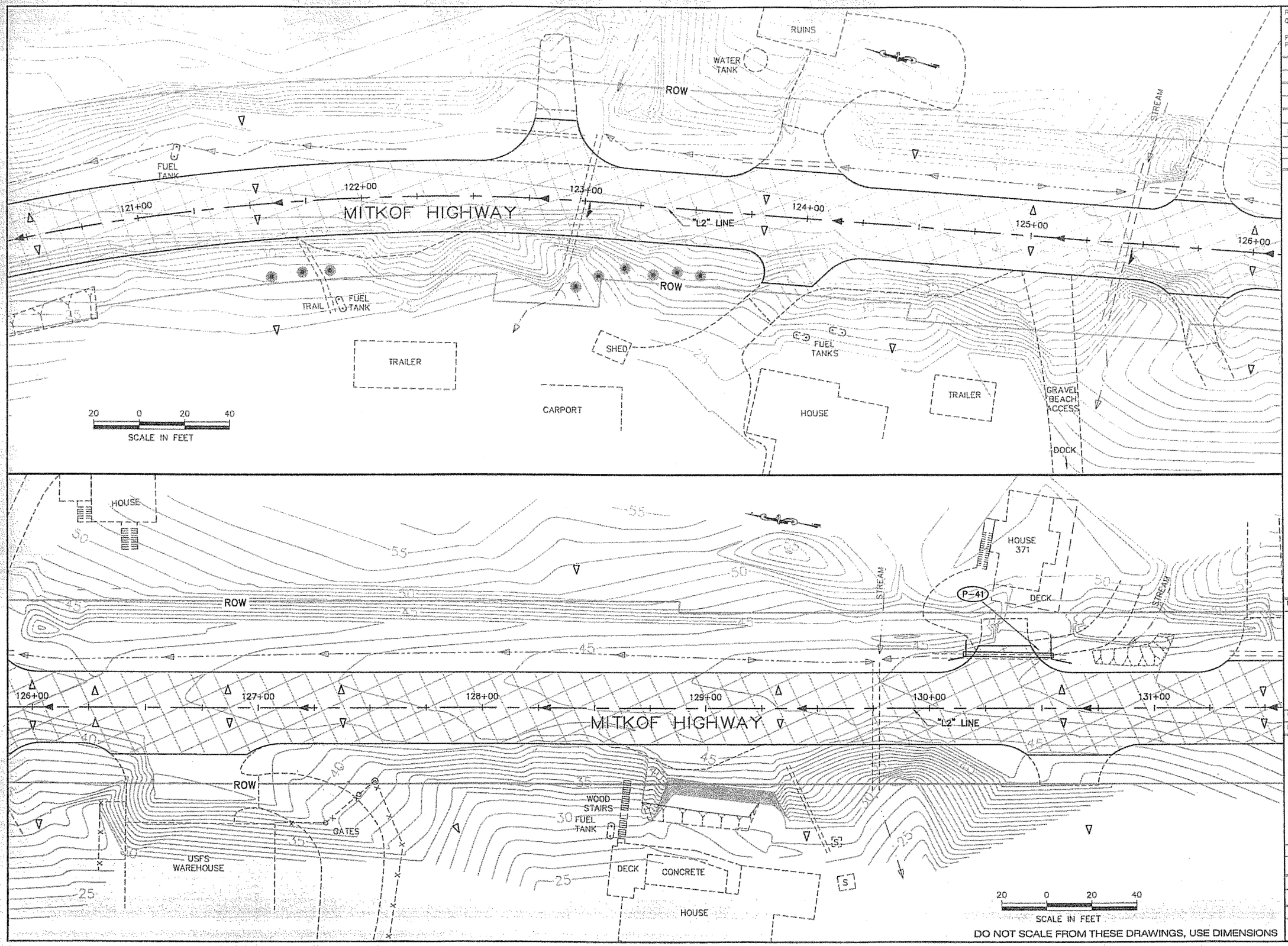

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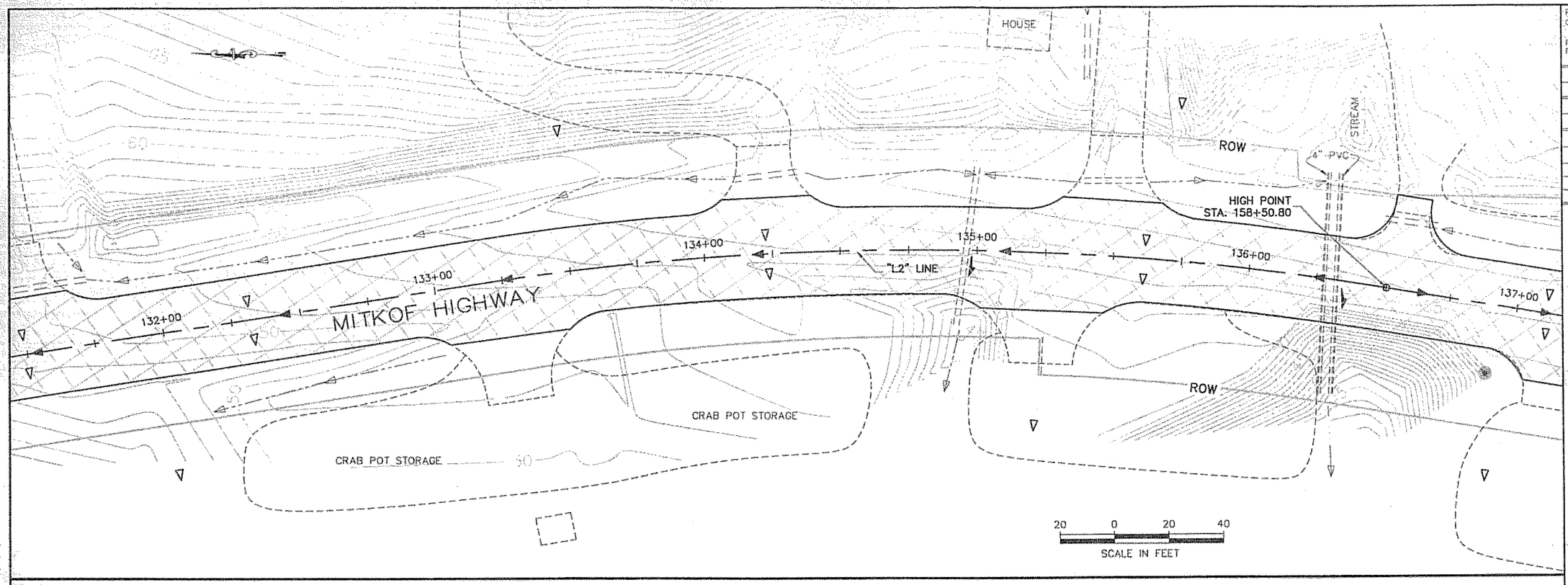

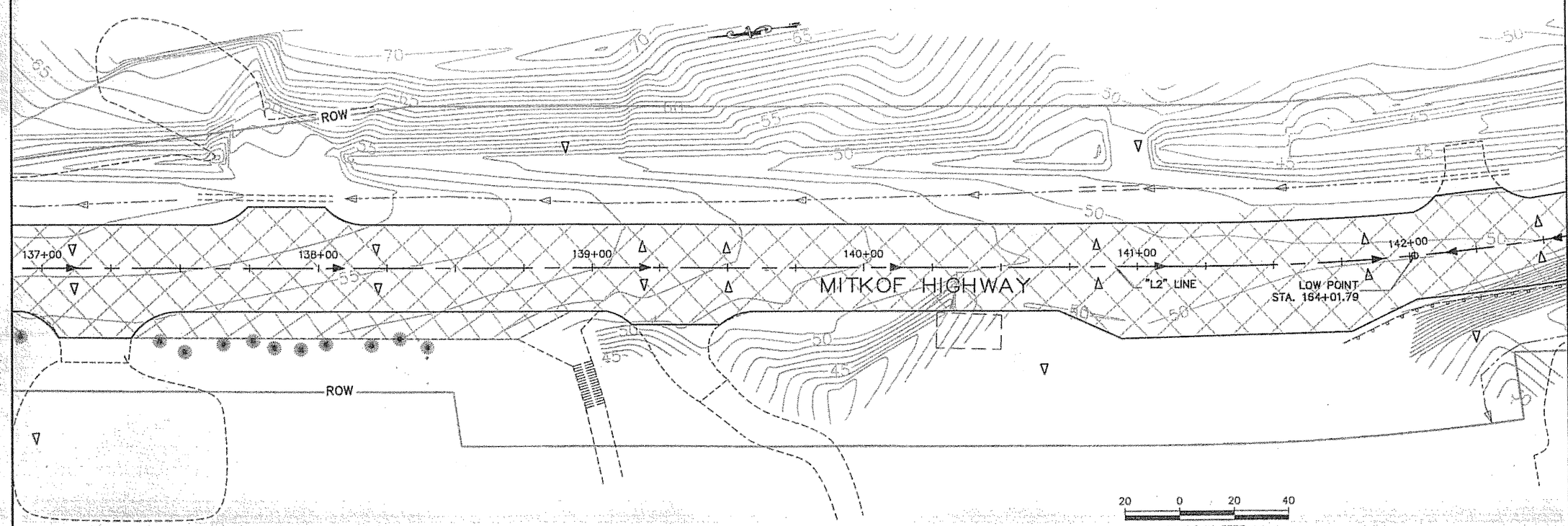

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lrobertson

PLOT:
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ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
PROFESSIONAL ENGINEER
9/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION~ SE REGION

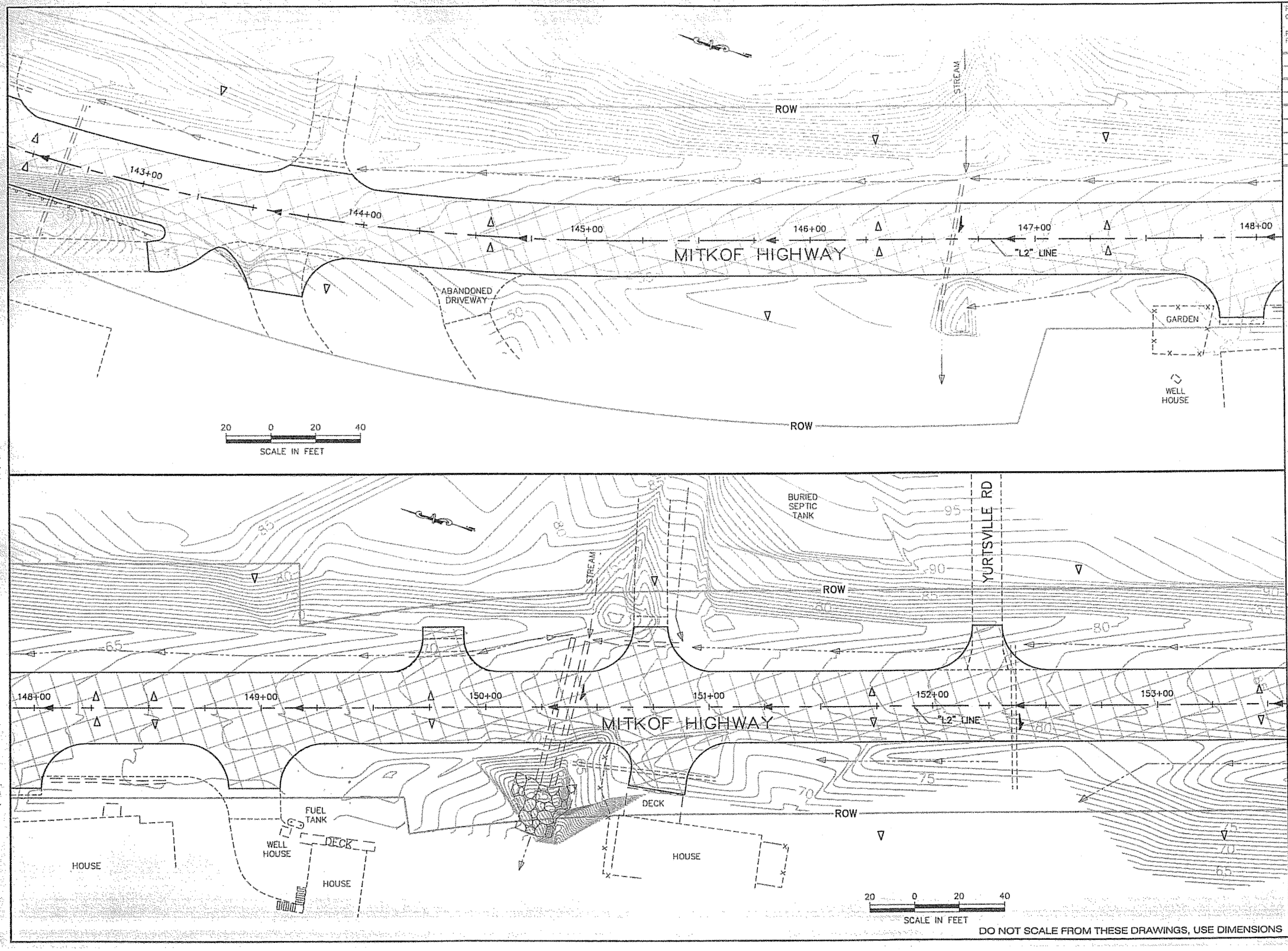
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
L15	89



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lrobertson

PLOT:
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER

4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION - SE REGION

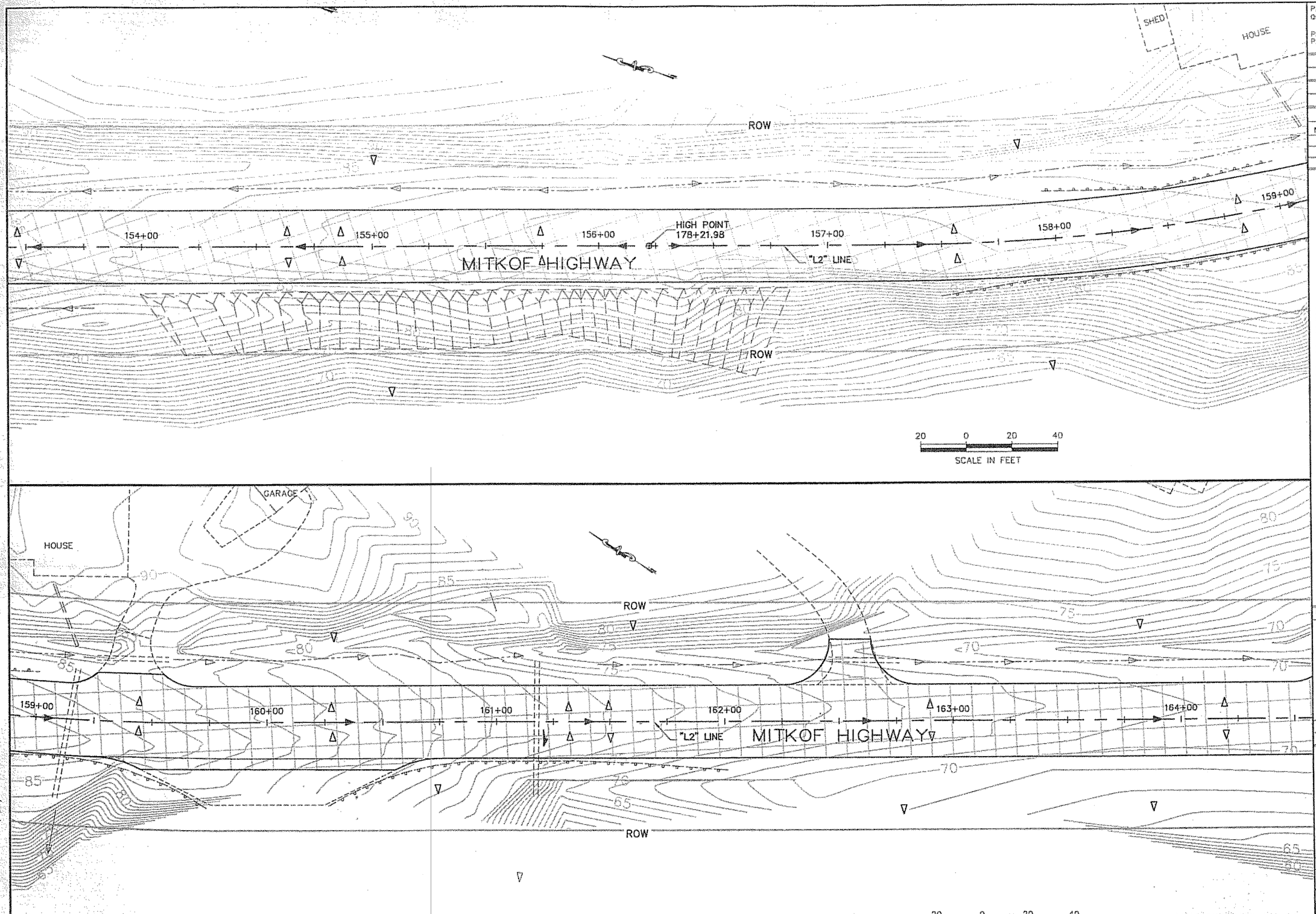
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
L16	89



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lrobertson

PLOT:
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RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)--68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)--68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
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CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

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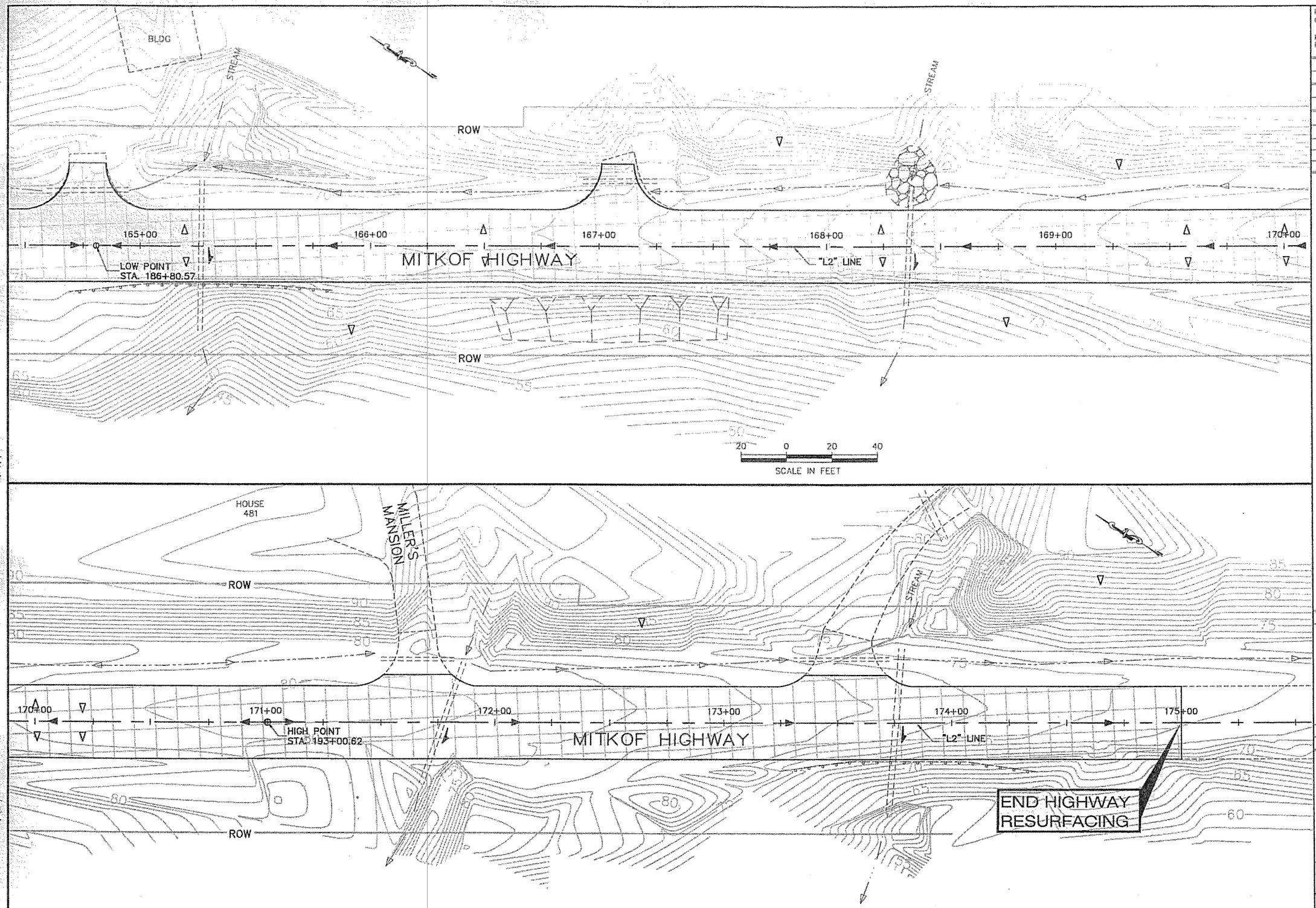
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION– SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L17	89



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PLOT:
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No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

EROSION & SEDIMENT CONTROL PLAN

DESIGNED BY: D. LESTER

STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ

DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION NUMBER
68165 - 68242

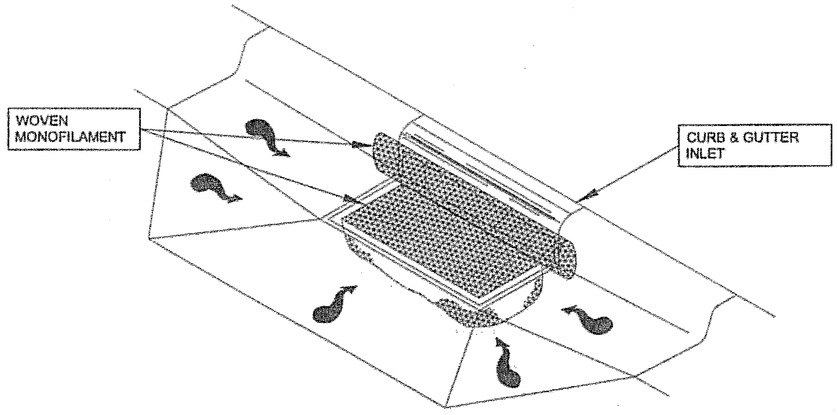
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L18	89

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

SILT FENCE	
STATION	LENGTH
55+37	30
55+64	15
63+30	15
82+95	120
83+92	35
86+62	30
86+92	20
102+93	30
103+20	12
105+31	30
105+76	30
107+04	25
107+54	20
130+16	15
130+54	20
TOTAL	447
USE	500

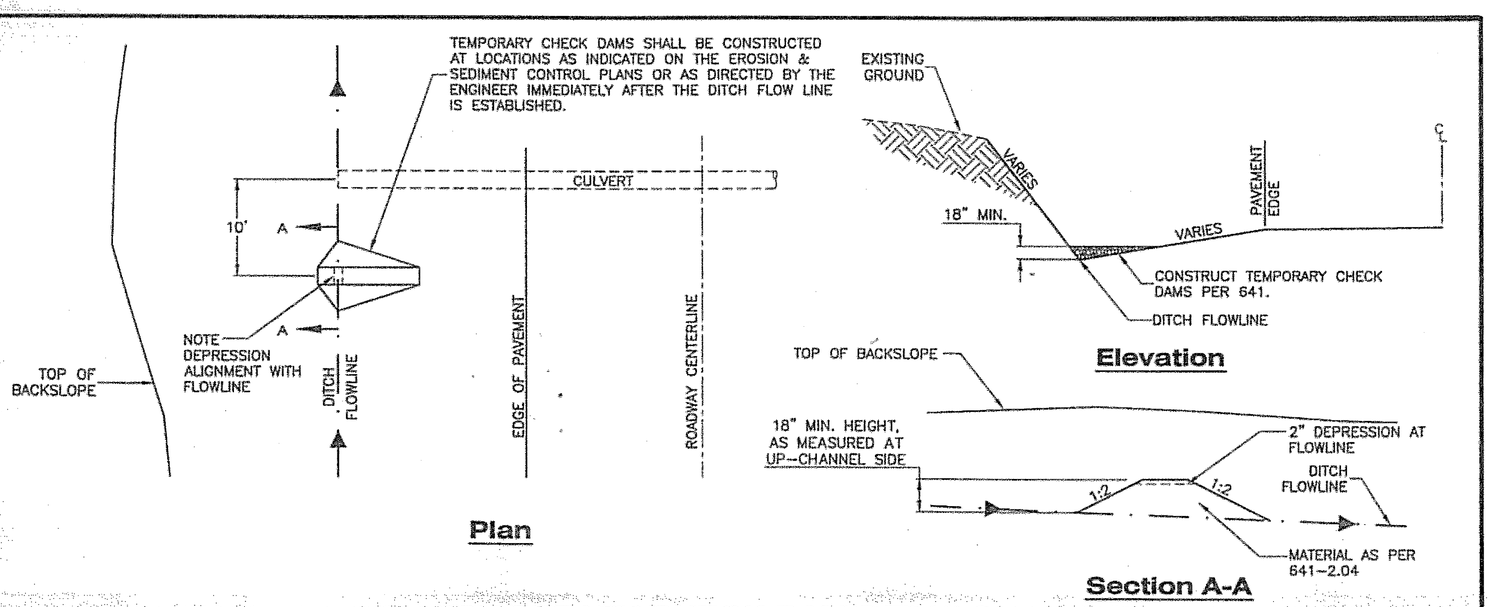
SEDIMENT BASIN PROTECTION			
STATION	OFFSET	TYPE	QTY
3+31.60	LT	CURB	1
6+53.89	RT	OIL/H2O	1
11+78.89	RT	FIELD	1
13+42.90	LT	FIELD	1
59+45.85	RT	FIELD	1
60+33.84	RT	FIELD	1
69+23.84	RT	FIELD	1
105+98.50	LT	FIELD	1
131+94.35	RT	SLOTTED	1
134+20.78	RT	SLOTTED	1
136+73.22	RT	SLOTTED	1
		TOTAL	11

TEMPORARY ROCK CHECK DAMS	
STATION	QTY
17+50	1
19+30	1
52+30	1
57+49	1
92+95	1
99+05	1
TOTAL	6



EROSION AND SEDIMENT CONTROL DETAIL

CATCH BASIN FILTERS SHALL BE USED AT ALL SITES WHERE SEDIMENT IS LIKELY TO BE GENERATED DURING CONSTRUCTION AND WHERE THE FILTERS ARE A REASONABLE MEANS OF TRAPPING IT.



TEMPORARY CHECK DAM DETAILS

NOTES:

1. THREE ANADROMOUS STREAMS CROSS THE PROJECT. THE REPLACEMENT CULVERTS ON THE ANADROMOUS FISH STREAMS HAVE BEEN DESIGNED TO PASS FISH EFFECTIVELY IN ACCORD WITH THE MEMORANDUM OF AGREEMENT BETWEEN DOT&PF AND ADF&G. IMPACTS TO FISH IN THE STREAMS WILL BE MINIMIZED BY USING APPROPRIATE TIMING WINDOWS AND TRAPPING WORK AREAS TO MOVE FISH INTO OTHER AREAS OF THE STREAM THAT ARE NOT AFFECTED BY THE PROJECT. WATER WILL BE DIVERTED AWAY FROM WORK AREAS AND STREAM FLOW WILL BE MAINTAINED DURING WORK BELOW ORDINARY HIGH WATER (OHW).

2. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE EARTH DISTURBING ACTIVITIES.

3. MAINTAIN DEVICES. MONITOR DAILY. EXCAVATE BEHIND CHECK DAMS WHEN 4" OF SEDIMENT ACCUMULATES. ENSURE SILT FENCE IS TIGHT AGAINST GROUND.

4. IF INSPECTION REVEALS WATER IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL SILT FENCING OR CHECK DAMS MAY BE REQUIRED. SWEEPING OF PAVED SURFACES AND TEMPORARY SEEDING AND MATTING MAY ALSO BE REQUIRED.

5. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING, MATTING, OR OTHER EFFECTIVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE PAVED AND SEEDED AREAS HAVE ACHIEVED 70% VEGITATIVE COVER.

6. SEE SHEETS L1–L18 FOR EROSION AND SEDIMENT CONTROL PLAN (ESCP) SHEETS.

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PLOT:
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ADDENDUM NUMBER
ATTACHMENT NUMBER
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

Erosion & Sediment Control Details

DESIGNED BY: D. LESTER

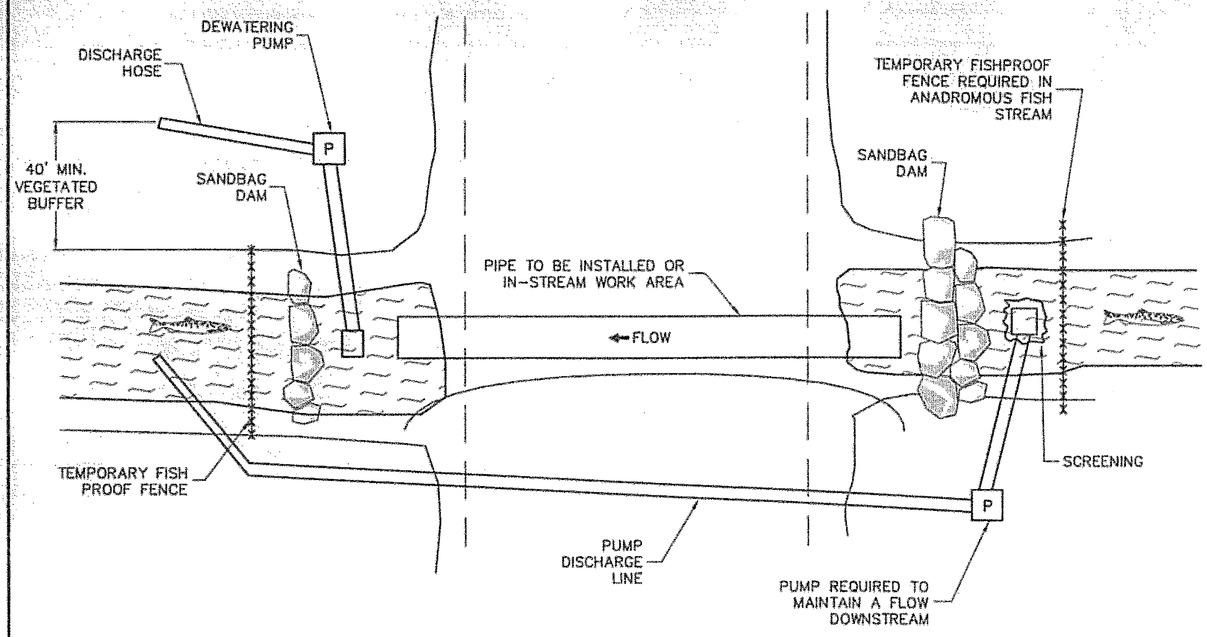
STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
PROFESSIONAL ENGINEER
4/15/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION– SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

ESCP Details

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L19	89



STREAM BYPASS PUMPING & WORK AREA DEWATERING DETAIL

TO BE USED AT THE FOLLOWING ANADROMOUS STREAM LOCATIONS/WORK AREAS:

1. SKYLARK CREEK IS SUBJECT TO TIDAL INFLUENCE.
2. STA. "L1" 83+60
3. STA. "L1" 107+62

FOR NON-FISH CULVERT LOCATIONS

4. OMIT FISHPROOF FENCE
5. IF VERY LITTLE WATER IS PRESENT, WATER MAY BE PUMPED AND CHANNELED AWAY INTO HIGHWAY DITCH OR ALLOWED TO FILTER THROUGH VEGETATION.
6. IF NO WATER IS PRESENT, TEMPORARY DIVERSION IS NOT NECESSARY.

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ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)--68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)--68242

EROSION & SEDIMENT CONTROL DETAILS

DESIGNED BY: D. LESTER

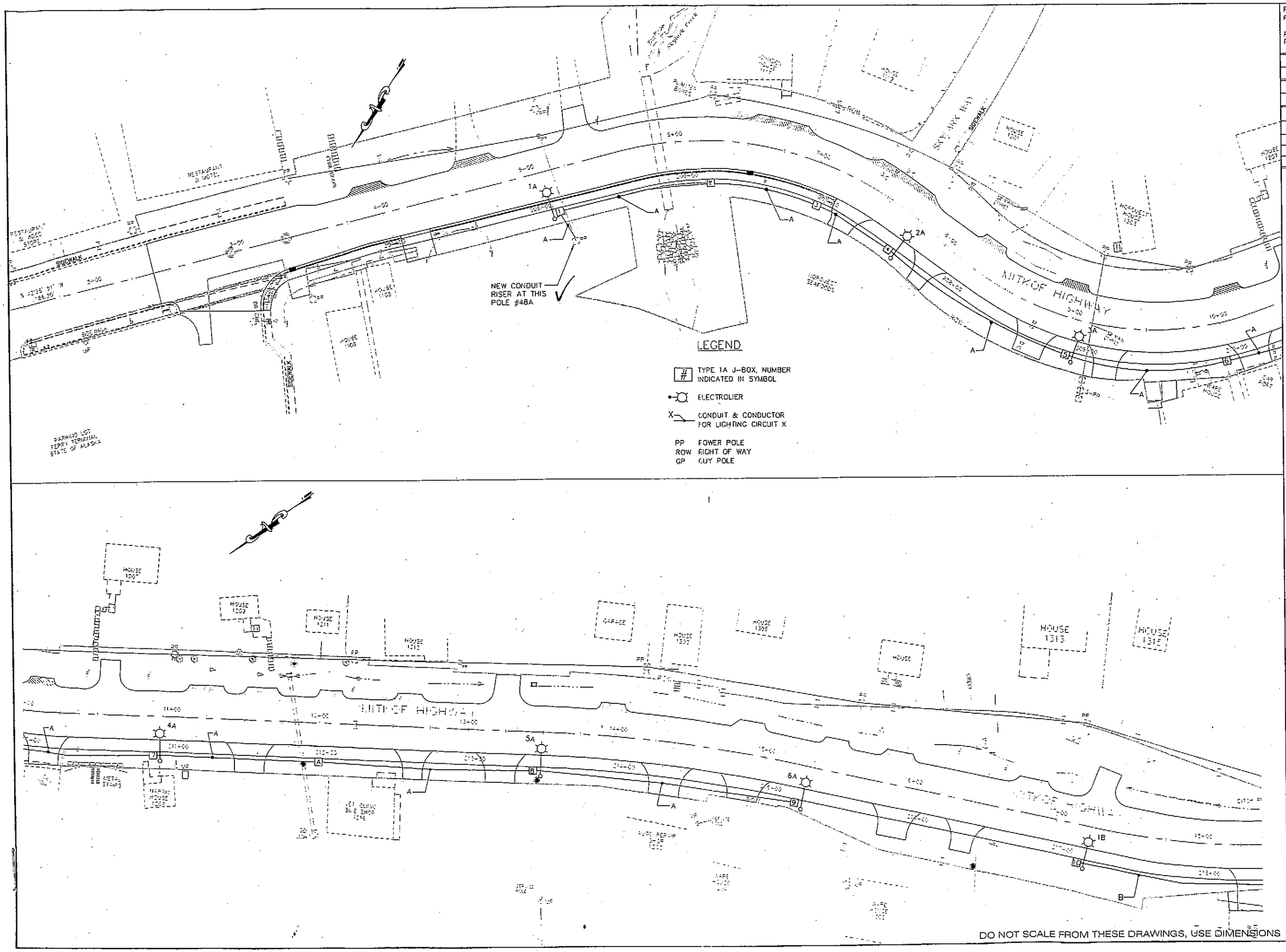
STATE OF ALASKA
49th
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-- SE REGION
PSG-MITKOF HWY COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165-68242

ESCP DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
L20	89



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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ILLUMINATION PLANS

DESIGNED BY: M. HANSEN

STATE OF ALASKA
10th
B.C. HAIGHT
EE 4808
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: B. HAIGHT

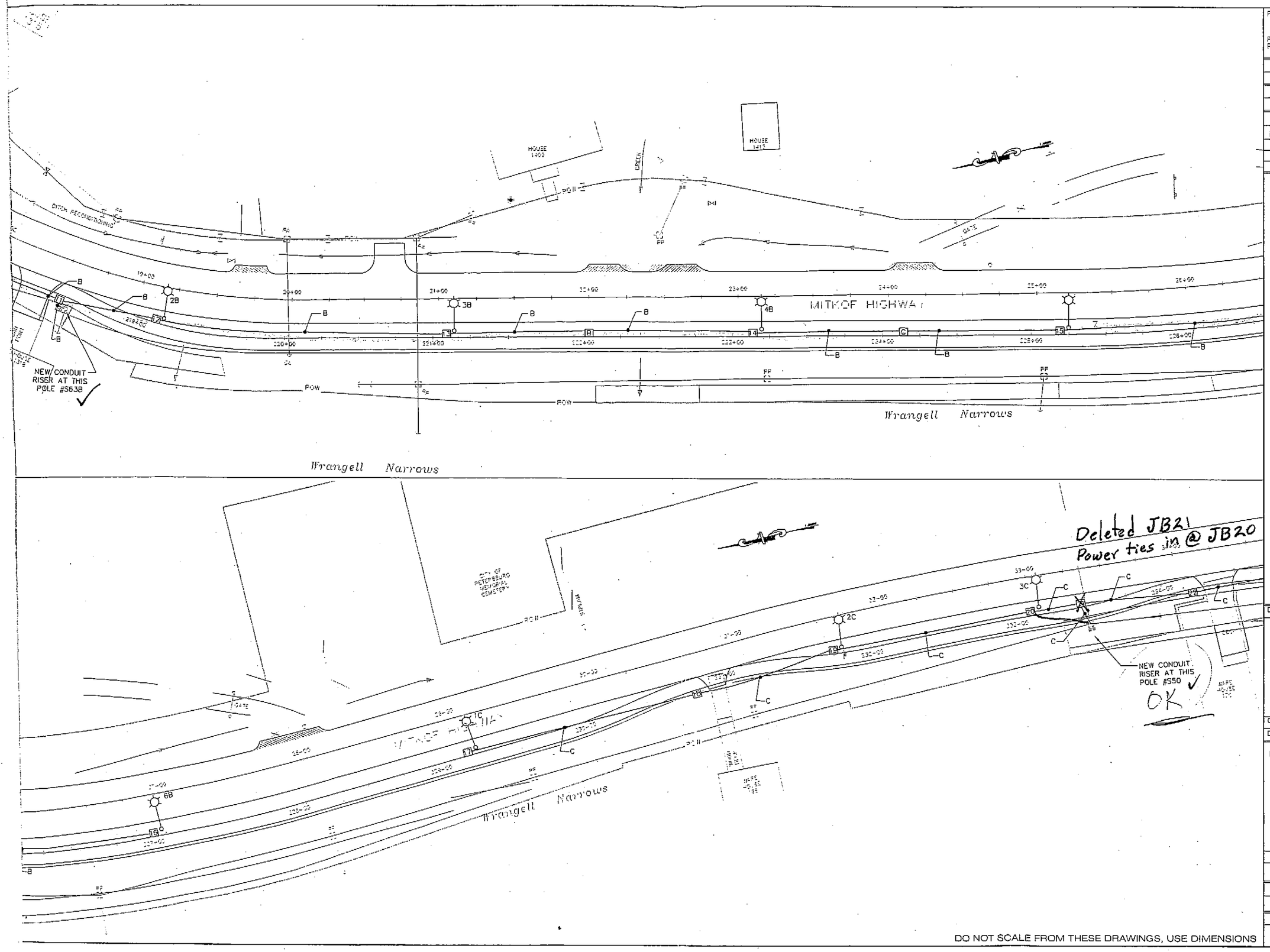
DRAWN BY: P. FONSECA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION– SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
P1	9



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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ILLUMINATION PLANS

DESIGNED BY: M. HANSEN

STATE OF ALASKA
10th
B.C. HAIGHT
EE 4800
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: B. HAIGHT

DRAWN BY: P. FONSECA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION– SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER

68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
P2	9

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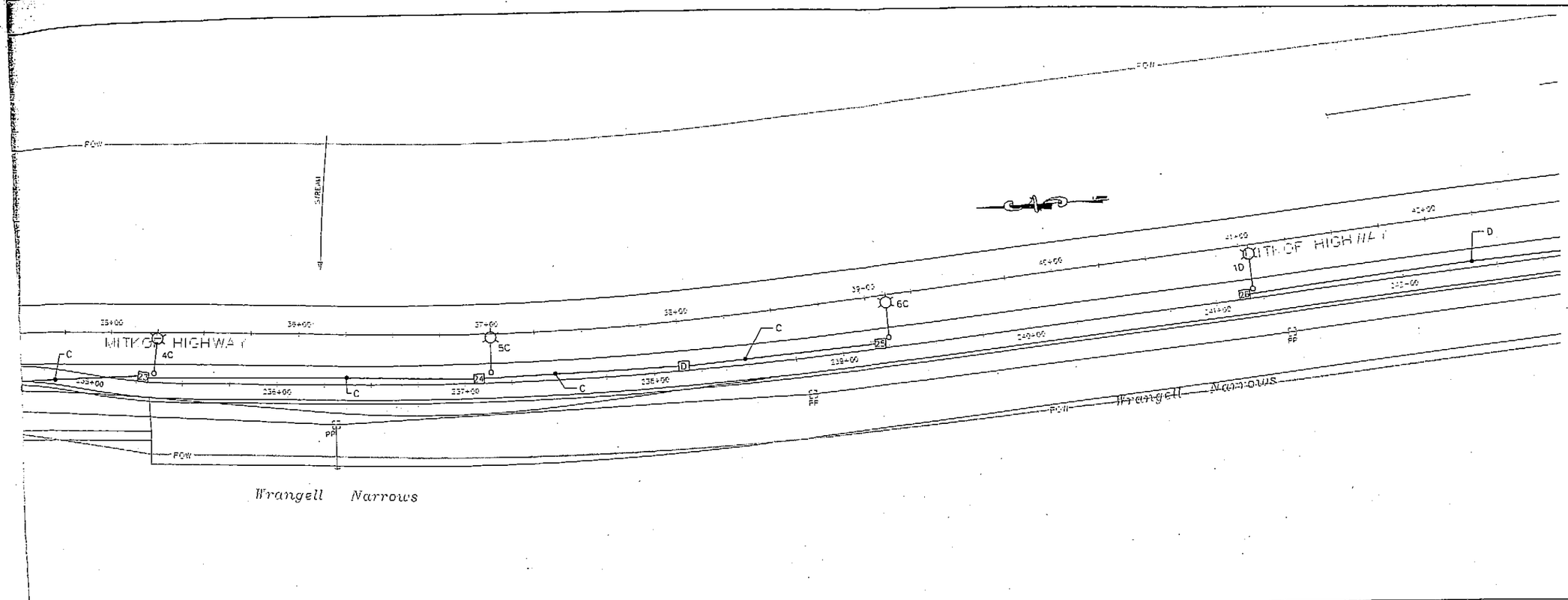

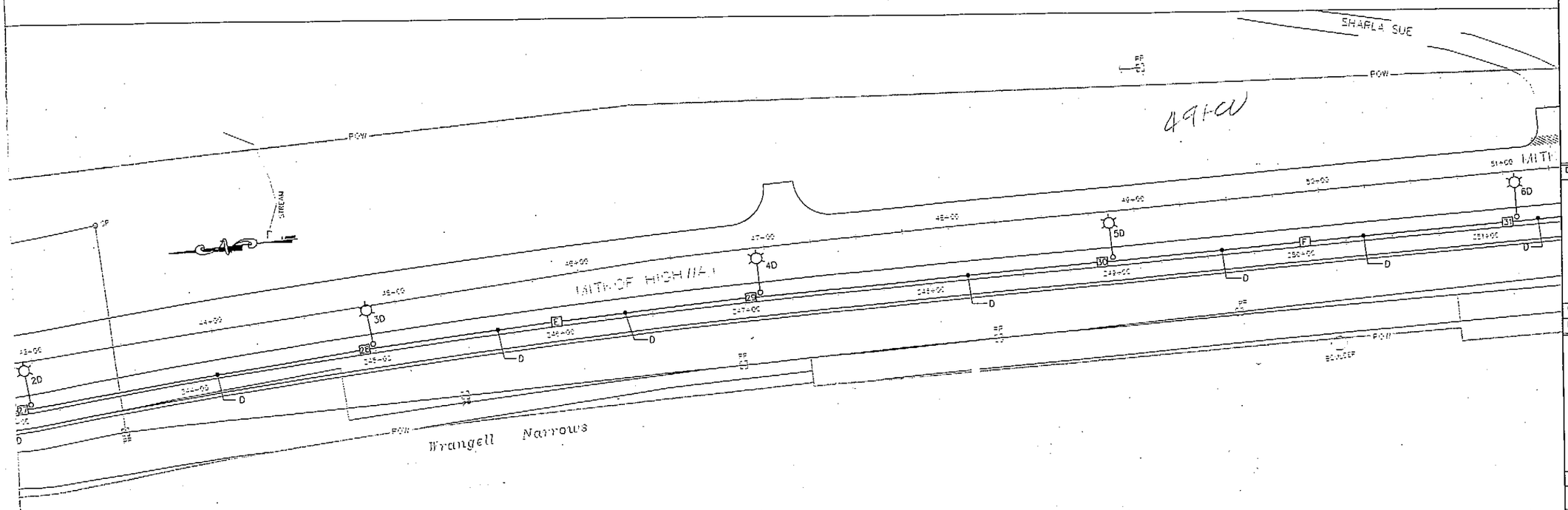

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PATH:
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PLOT:
PSPACE 1=1(F) OR MSPACE 1=30'(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ILLUMINATION PLANS

DESIGNED BY: M. HANSEN

STATE OF ALASKA
B.C. HAIGHT
EE 4800
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: B. HAIGHT

DRAWN BY: P. FONSECA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION– SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

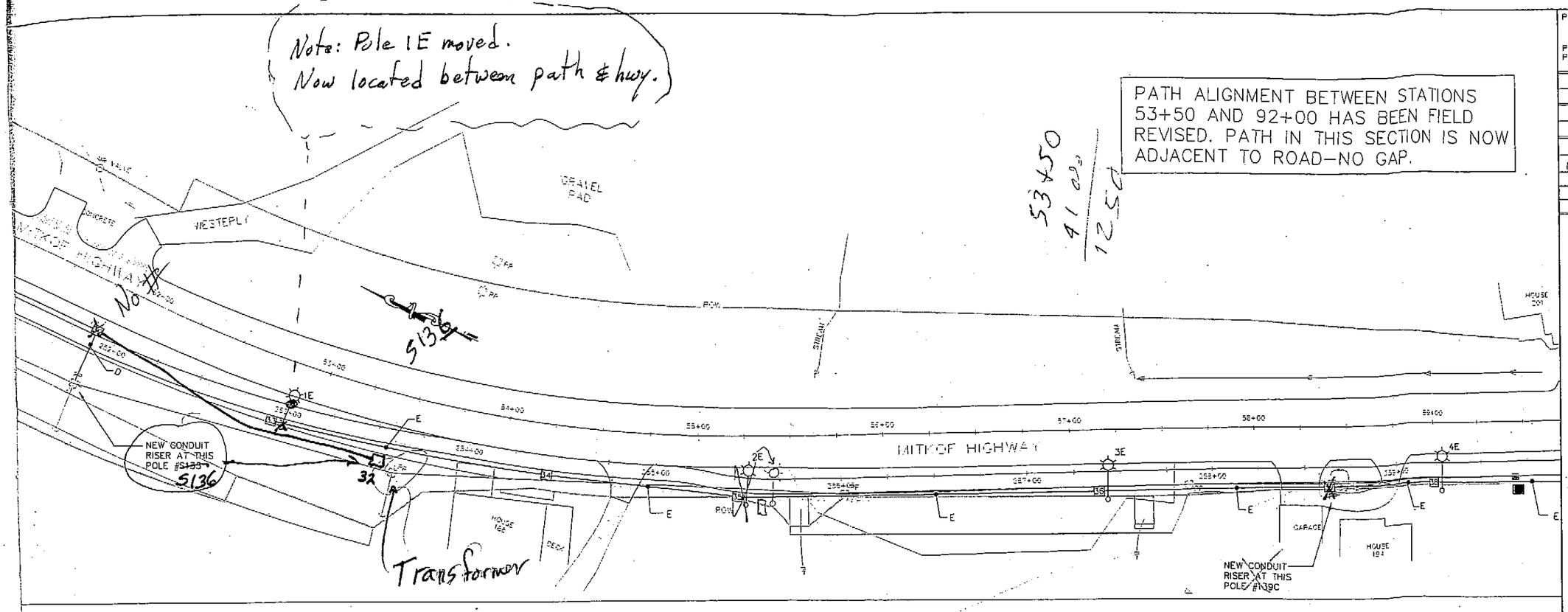
ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
P3	9

Note: Pole 1E moved.
Now located between path & hwy.

PATH ALIGNMENT BETWEEN STATIONS 53+50 AND 92+00 HAS BEEN FIELD REVISED. PATH IN THIS SECTION IS NOW ADJACENT TO ROAD—NO GAP.

53+50
41 ac.
12 SD



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PATH:
rbilling
PLOT:
PSPACE 1=1(F) OR MSPACE 1=30'(F)

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ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ILLUMINATION PLANS

DESIGNED BY: M. HANSEN

STATE OF ALASKA
49th
B.C. HAIGHT
EE 4900
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: B. HAIGHT

DRAWN BY: P. FONSECA

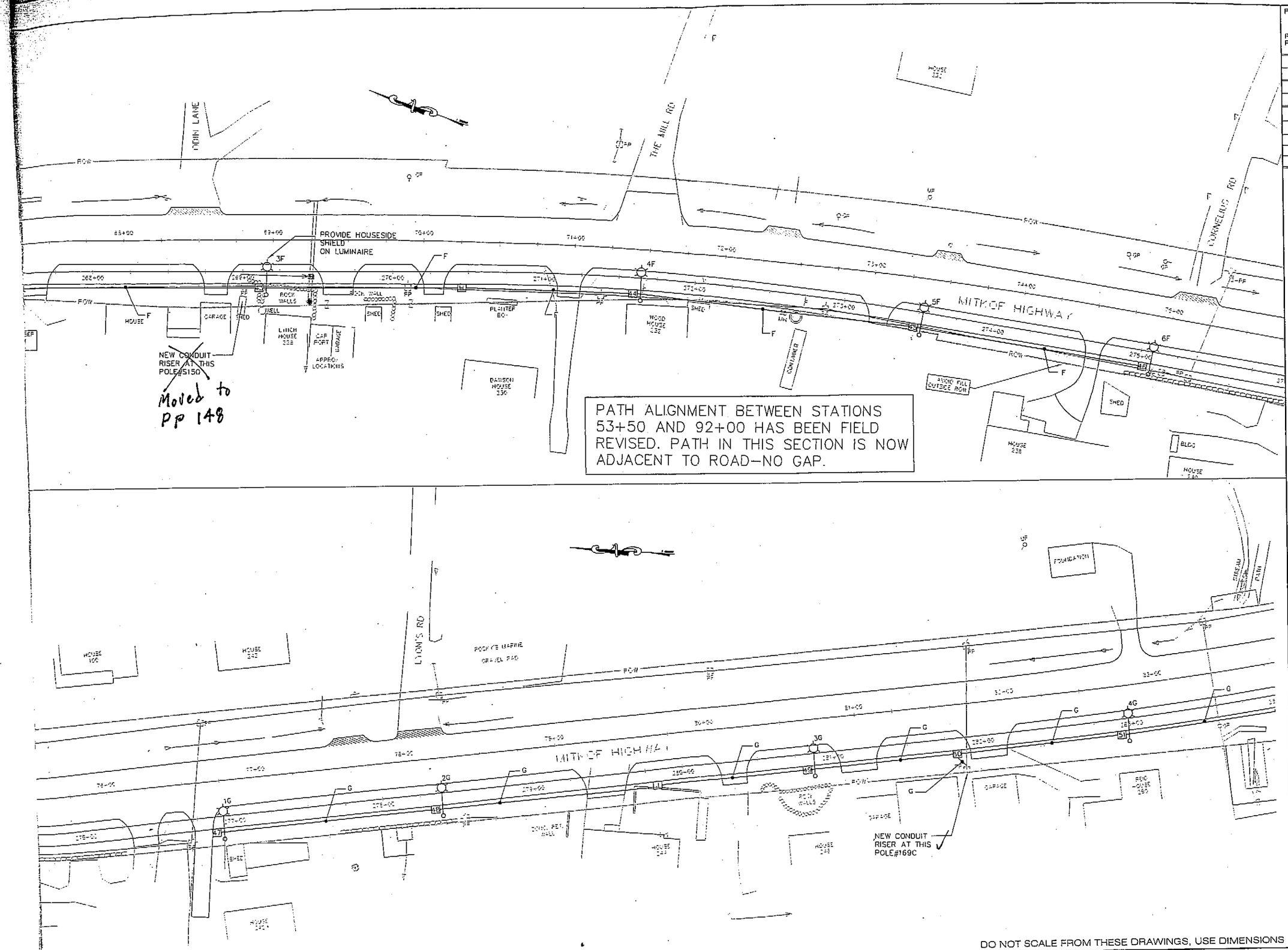
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION– SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER

68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
P4	9



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:

PLOT: rbilling
PSPACE 1=1(F) OR MSPACE 1=30'(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ILLUMINATION PLANS

DESIGNED BY: M. HANSEN

STATE OF ALASKA
49th
B. C. HAIGHT
EE 4809
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: B. HAIGHT

DRAWN BY: P. FONSECA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION– SE REGION

PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

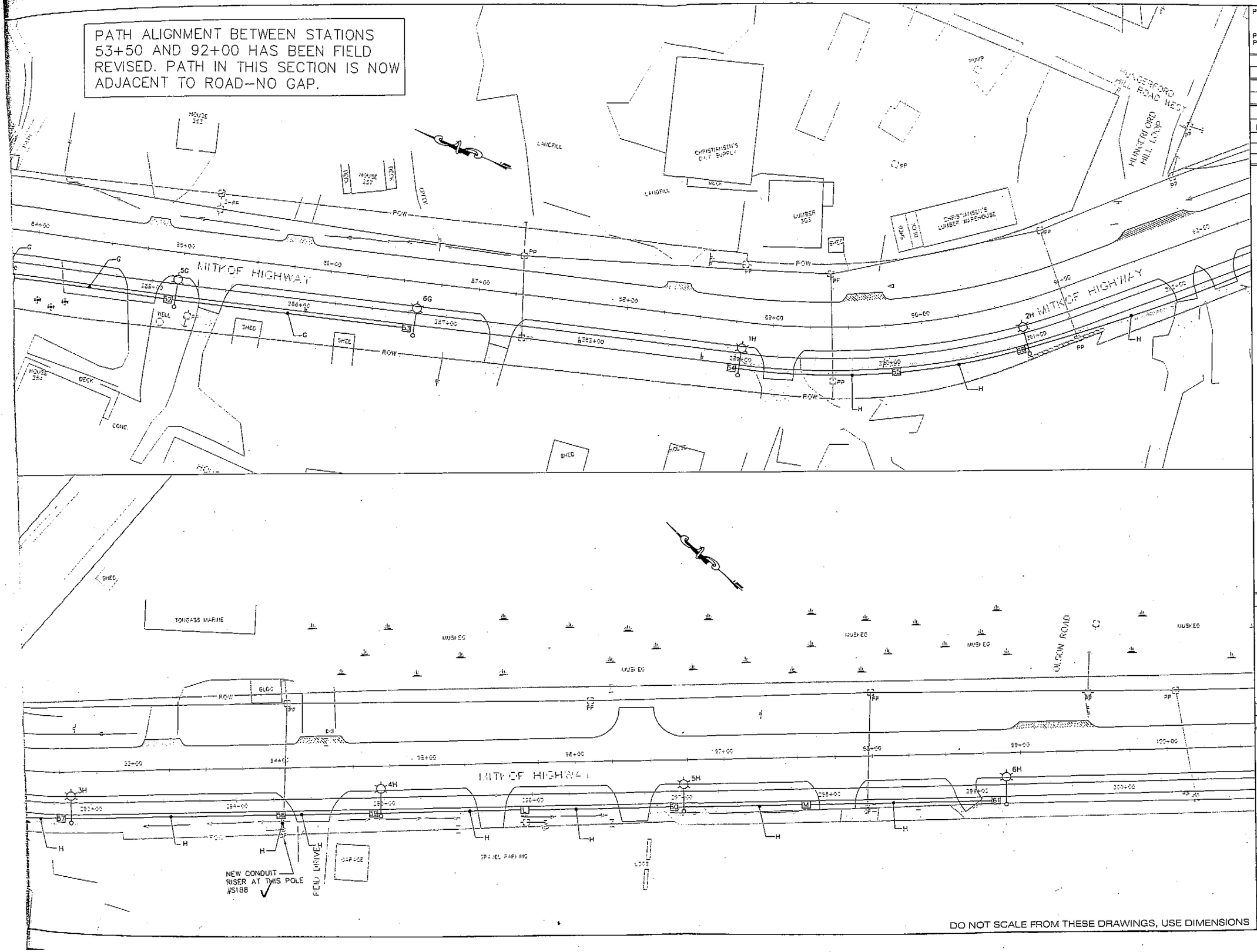
ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER
68165 - 68242

STATE	YEAR
ALASKA	2005

SHEET NUMBER	TOTAL SHEETS
P5	9

PATH ALIGNMENT BETWEEN STATIONS 53+50 AND 92+00 HAS BEEN FIELD REVISED. PATH IN THIS SECTION IS NOW ADJACENT TO ROAD–NO GAP.



DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:

PLOT: rbilling
PSPACE 1=1(F) OR MSPACE 1=30'(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ILLUMINATION PLANS

DESIGNED BY: M. HANSEN

STATE OF ALASKA
49TH
B.C. HAIGHT
EE 4800
REGISTERED PROFESSIONAL ENGINEER

CHECKED BY: B. HAIGHT

DRAWN BY: P. FONSECA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION– SE REGION

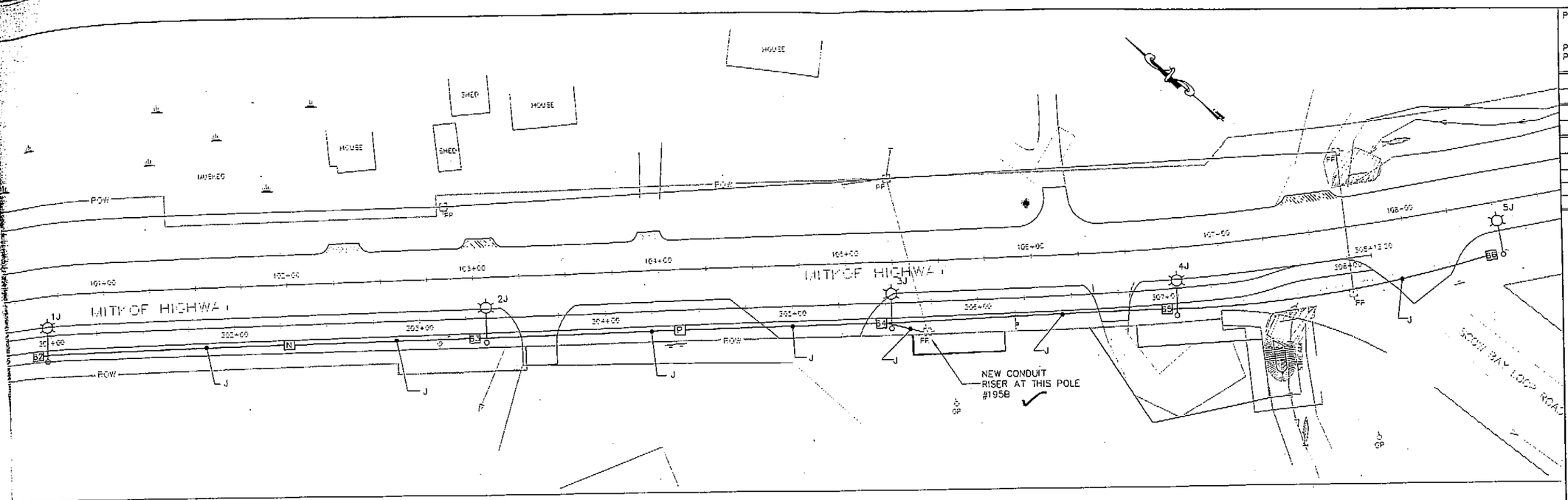
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

ILLUMINATION PLANS

PROJECT DESIGNATION NUMBER

68165 - 68242

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
P6	9


MITKOF HIGHWAY
MITKOF HIGHWAY
HOUSE
SHED
HOUSE
SHED
HOUSE
MUSKEG
ROW
ROW
ROW
ROW
1J
2J
3J
4J
5J
J
J

ILLUMINATION GENERAL NOTES

1. EACH NEW ELECTROLIER SHALL HAVE A J-BOX INSTALLED ADJACENT TO THE FOUNDATION AS SHOWN IN THE POLE AND J-BOX WIRING DETAIL.
2. ALL JUNCTION BOXES SHALL BE TYPE I-A. SEE STANDARD DRAWING L-23.01.
3. NEW ELECTROLIER FOUNDATIONS SHALL BE PRE-CAST. PRE-CAST FOUNDATIONS SHALL BE LIFTED AND TRANSPORTED USING A DEVICE THAT DISTRIBUTES THE LOAD EVENLY BETWEEN THE ANCHOR BOLTS.
4. INSTALL A PHOTOELECTRIC CELL ON TOP OF EACH LUMINAIRE.
5. ILLUMINATION CIRCUIT WIRES SHALL BE NO. 8 AWG. 3-CONDUCTOR CABLE AS SPECIFIED IN STANDARD SPECIFICATION 660.
6. NON-BREAKAWAY PORTIONS OF FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE ANY 5' CHORD STARTING AND ENDING ON THE FINISHED GRADE OF THE ELECTROLIER PADS.
7. LUMINAIRES SHALL BE 120/208/240/277 VOLT, 250 WATT, HIGH PRESSURE SODIUM, MEDIUM CUTOFF OPTICS. PROVIDE IES TYPE III AND TYPE II DISTRIBUTION PER DETAILS ON SHEET P9. HPS LAMPS SHALL HAVE 24,000 HOUR RATED LIFE. PROVIDE MAGNETIC REGULATOR BALLASTS, MULTIVOLT. THE LUMINAIRE SHALL BE GE M-250A2, CATALOG NUMBERS M2AC25S0M2GMC3 AND M2AC25S0M2GMC2 OR APPROVED EQUAL.
8. SUPPLY VOLTAGE MAY VARY. SET VOLTAGE OF MULTITAP BALLAST IN EACH LUMINAIRE FOR LIGHTING CIRCUIT SUPPLY VOLTAGE FROM UTILITY. CONTRACTOR TO COORDINATE DIRECTLY WITH PMP&L.
9. FOR EACH LIGHTING CIRCUIT, INSTALL CONDUIT TO THE UTILITY POLE INDICATED ON PLANS AS SOURCE OF ELECTRIC SERVICE. STUB CONDUIT UP POLE A MINIMUM OF 12 INCHES ABOVE FINISHED GRADE. INSTALL CONDUCTOR OF SUFFICIENT LENGTH TO ALLOW 36 INCH PIGTAIL AT WEATHERHEAD. FURNISH CONDUIT RISER, STANDOFFS AND WEATHERHEAD FOR UTILITY INSTALLATION. COORDINATE DIRECTLY WITH PMP&L FOR ALL WORK AT UTILITY POLES.

LUMINAIRE & J-BOX SUMMARY

ELECTROLIER NUMBER	JBOX NUMBER	ROAD STATION	PLINE OFFSET (FT)	MAST ARM (FT)	POLE HEIGHT (FT)	COMMENTS
1A	1	5+10	10 RT	13	35	LIGHTING CIRCUIT A FROM PP #48A
	2	6+24				
	3	7+08				
2A	4	7+70	10 RT	13	35	
3A	5	9+02	10 RT	13	35	
	6	9+95				
4A	7	10+88	10 RT	13	35	
	A	12+00				
5A	8	13+44	10 RT	13	35	
6A	9	15+25	10 RT	13	35	
1B	10	17+20	10 RT	13	35	
	11	18+50				LIGHTING CIRCUIT B FROM PP #S63B
2B	12	19+15	2 LT	8.5	37	
3B	13	21+05	2 LT	11	37	
	B	22+00				
4B	14	23+10	2 LT	11	37	
	C	24+10				
5B	15	25+15	2 LT	11	37	
6B	16	26+92	2 LT	11	37	
1C	17	29+08	2 LT	11	35	
	18	30+65				
2C	19	31+65	2 LT	10	35	
3C	20	33+00	2 LT	11	37	
	21	33+35				LIGHTING CIRCUIT C FROM PP #S50
	22	34+08				
4C	23	35+19	2 LT	11	37	
5C	24	36+95	2 LT	11	37	
	D	38+00				
6C	25	39+05	2 LT	11	37	
1D	26	41+00	2 LT	11	37	
2D	27	42+90	2 LT	11	37	
3D	28	44+80	2 LT	11	37	
	E	45+85				
4D	29	46+90	2 LT	11	37	
5D	30	48+80	2 LT	11	37	
	F	49+90				
6D	31	51+00	2 LT	11	37	
	32	51+75				LIGHTING CIRCUIT D FROM PP #S135

See Revised Tables from Haight dtd. 4/11/06. AW

LUMINAIRE & J-BOX SUMMARY

ELECTROLIER NUMBER	JBOX NUMBER	ROAD STATION	PLINE OFFSET (FT)	MAST ARM (FT)	POLE HEIGHT (FT)	COMMENTS
1E	33	52+75	10 RT	15	37	
	34	54+22				
2E	35	55+25	10 RT	13	30	
3E	36	57+15	10 RT	13	30	
	37	58+40				LIGHTING CIRCUIT E FROM PP #139C
4E	38	59+00	10 RT	13	30	
5E	39	60+44	10 RT	13	30	DO NOT RELOCATE
	G	61+70				
6E	40	62+90	10 RT	13	30	
1F	41	65+10	10 RT	13	30	
2F	42	67+00	10 RT	13	30	
3F	43	68+90	10 RT	13	30	
	H	70+25				
4F	44	71+30	10 RT	13	30	
5F	45	73+20	10 RT	13	30	DO NOT RELOCATE
6F	46	74+85	10 RT	13	25	
1G	47	76+70	10 RT	13	35	
2G	48	78+17	10 RT	13	35	
	J	79+65				
3G	49	80+65	10 RT	13	35	
	50	81+65				LIGHTING CIRCUIT G FROM PP #169C
4G	51	82+75	10 RT	13	35	
	K	83+85				
5G	52	84+95	10 RT	13	35	
6G	53	86+55	10 RT	13	35	
1H	54	88+75	10 RT	13	35	
	55	89+80				
2H	56	90+60	10 RT	18	35	
3H	57	92+50	10 RT	18	35	
	58	94+00				LIGHTING CIRCUIT H FROM PP # S188
4H	59	94+63	10 RT	18	35	
	L	95+65				
5H	60	96+65	10 RT	18	35	
	M	97+55				
6H	61	98+83	10 RT	18	35	
1J	62	100+63	10 RT	18	35	
	N	102+00				
2J	63	103+00	10 RT	18	35	
	P	104+10				
3J	64	105+18	10 RT	18	35	LIGHTING CIRCUIT J FROM PP # 195B
4J	65	106+70	10 RT	18	35	
5J	66	108+45	24	11	35	OFFSET FROM HIGHWAY CENTERLINE

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
F:\projects\175 Misc\226 Mitkof Hwy Coastal P rbilling

PLOT:
PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

LUMINAIRE SUMMARY

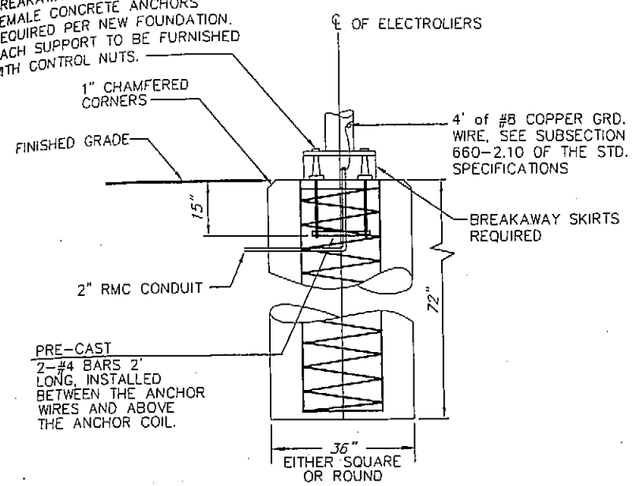
DESIGNED BY: M. HANSEN

STATE OF ALASKA
19th
B.C. HAIGHT
EE 4800
REGISTERED PROFESSIONAL ENGINEER

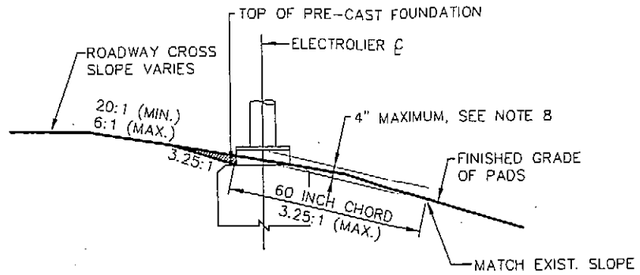
CHECKED BY: B. HAIGHT
DRAWN BY: P. FONSECA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242
LUMINAIRE SUMMARY

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
P8	9

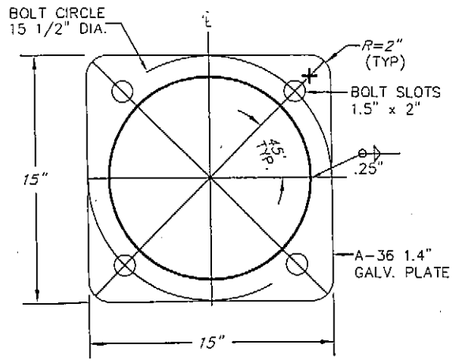


FOUNDATION WITH BREAKAWAY COUPLINGS

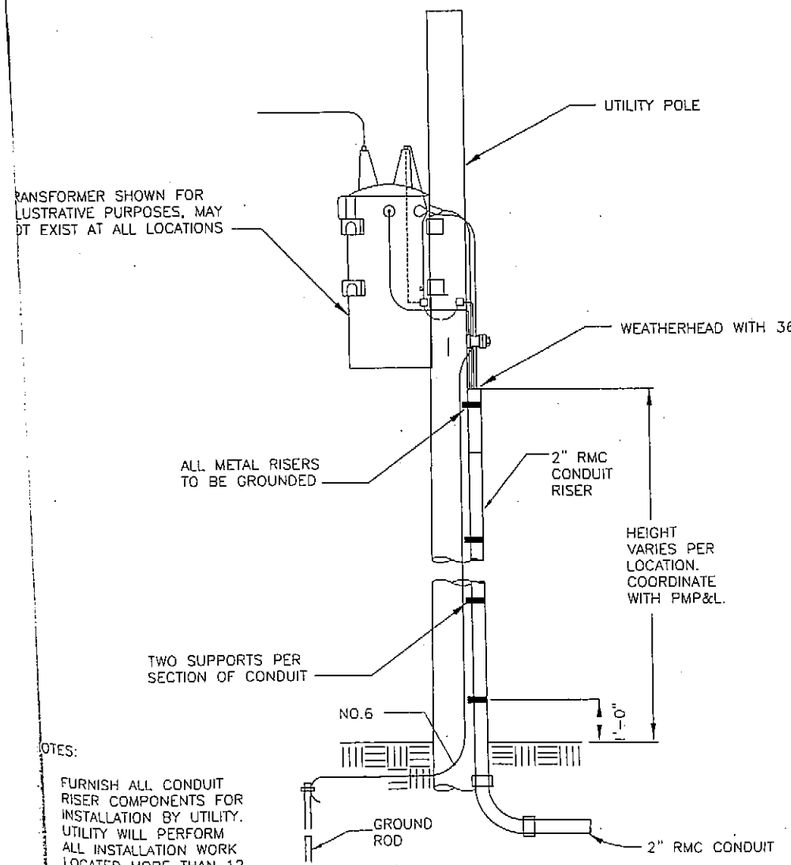


FOUNDATION GRADING DETAIL

INDICATES EMBANKMENT MATERIAL TO BE REMOVED FROM AROUND BREAKAWAY SKIRTS



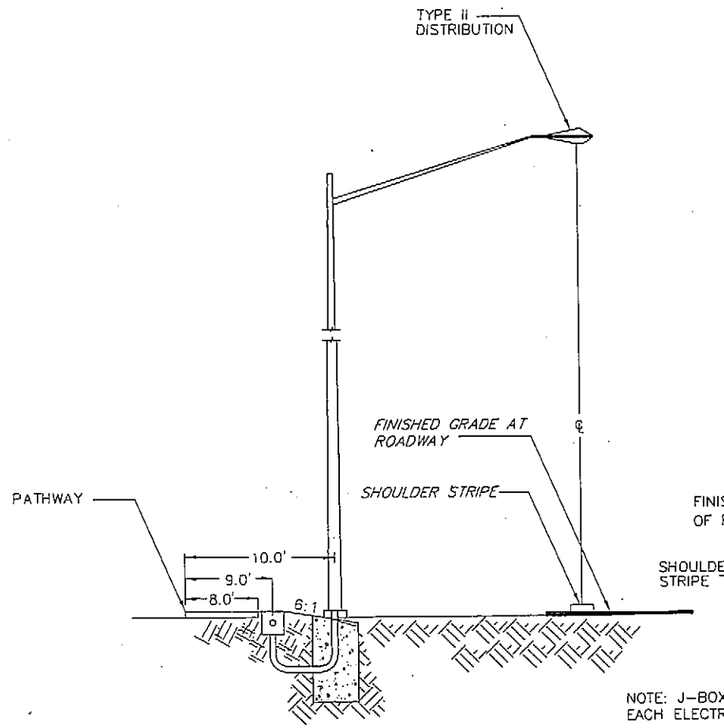
ANCHOR BASE DETAIL



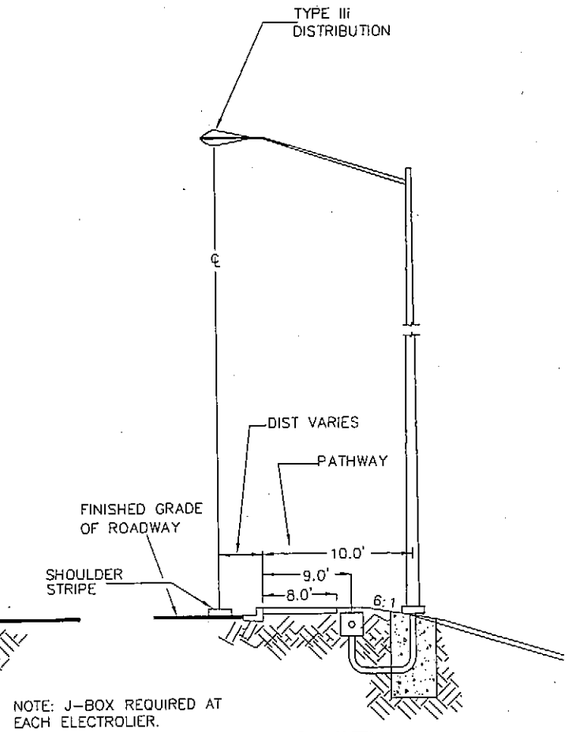
NOTES:

FURNISH ALL CONDUIT RISER COMPONENTS FOR INSTALLATION BY UTILITY. UTILITY WILL PERFORM ALL INSTALLATION WORK LOCATED MORE THAN 12 INCHES ABOVE FINISHED GRADE.

TYPICAL SECTION ELECTRIC SERVICE POLE



TYPICAL SECTION FOR ELECTROLIER



NOTE: J-BOX REQUIRED AT EACH ELECTROLIER.

TYPICAL SECTION FOR ELECTROLIER

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH: F:\projects\175 Misc\226 Mitkof Hwy Coastal P rbilling

PLOT: PSPACE 1=1(F) OR MSPACE 1=40(F)

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)--68165

MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)--68242

LIGHTING DETAILS

DESIGNED BY: M. HANSEN

STATE OF ALASKA 49th B.C. HAIGHT EE 4800 REGISTERED PROFESSIONAL ENGINEER

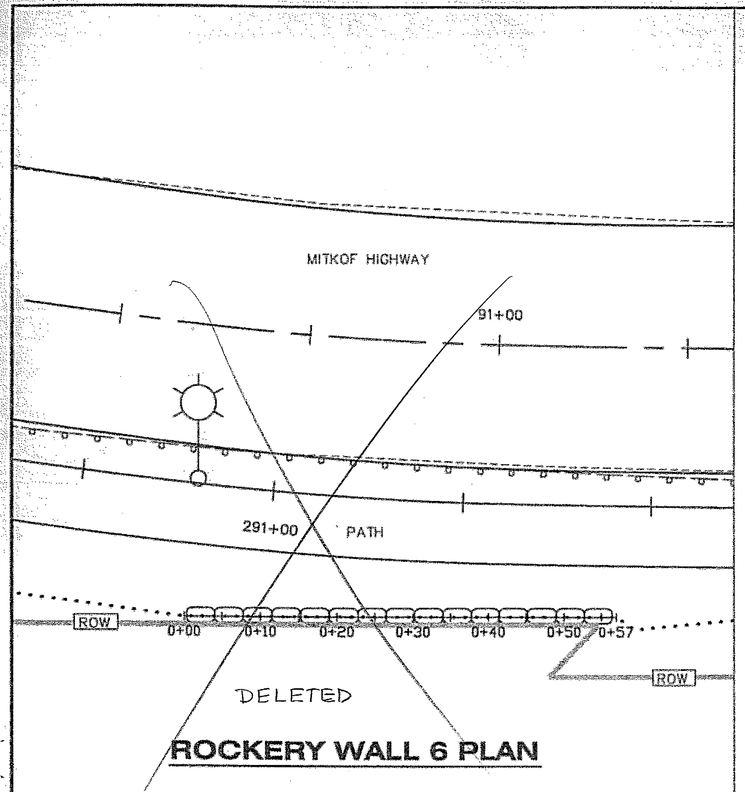
CHECKED BY: B. HAIGHT

DRAWN BY: P. FONSECA

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION- SE REGION
PSG-MITKOF HWY
COASTAL PATH & HIGHWAY RESURFACING
PROJECT NO. 68165-68242

LIGHTING DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
P9	9



ROCKERY WALL 6 PLAN

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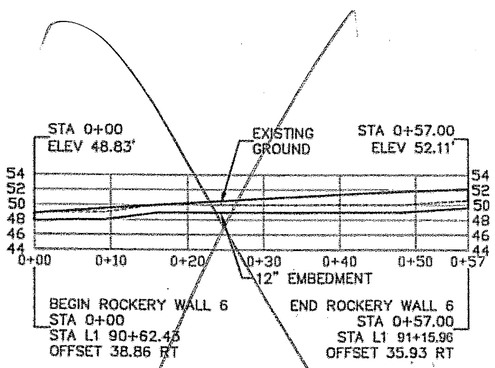
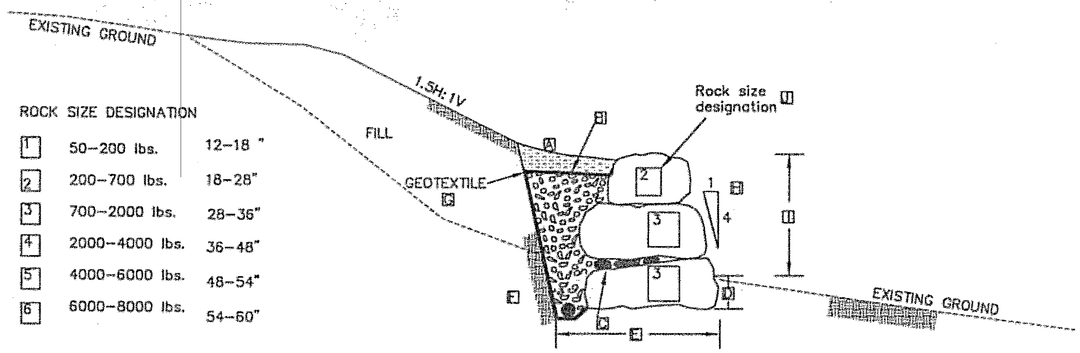


ROCKERY WALL 6 PROFILE



ROCK SIZE DESIGNATION

1	50–200 lbs.	12–18 "
2	200–700 lbs.	18–28"
3	700–2000 lbs.	28–36"
4	2000–4000 lbs.	36–48"
5	4000–6000 lbs.	48–54"
6	6000–8000 lbs.	54–60"

A) SURFACE SEAL: MAY CONSIST OF IMPERVIOUS SOIL OR A FINE FREE DRAINING GRANULAR MATERIAL.

B) FREE DRAINING ROCK FILTER LAYER. MINIMUM WIDTH BEHIND WALL IS 12 INCHES.

C) USE ANGULAR ROCK SPALLS TO LEVEL ROCKS AND FILL VOIDS TO RETAIN BACKFILL.

D) BASAL ROCKS MUST HAVE A MINIMUM 12 INCH EMBEDMENT, 'D', BELOW THE EXISTING GROUND AND WILL BE PLACED WITH THE LONG AXIS DIRECTED INTO THE SLOPE TO PROVIDE MAXIMUM STABILITY.

E) THE MINIMUM WIDTH OF THE WALL FOUNDATION, 'W', WILL EQUAL THE LENGTH OF THE BASAL ROCK PLUS 'B'. THE FOUNDATION WILL CONSIST OF 12" OF DENSLY COMPACTED 3" MINUS CRUSHED ROCK OR DENSLY COMPACTED SELECT MATERIAL, TYPE A.

F) INSTALL PERFORATED OR SLOTTED DRAIN PIPE WITH MINIMUM DIAMETER OF 4 INCHES. SEE ALSO NOTE A.

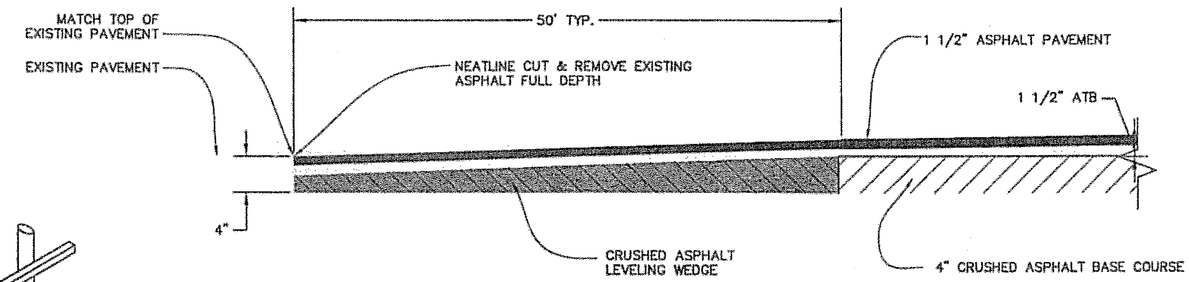
G) INSTALL APPROVED NON-WOVEN GEOTEXTILE TO PREVENT FINES FROM INFILTRATING DRAIN ROCK.

H) WALL FACE WILL BE CONSTRUCTED WITH A BATTER OF 4V:1H.

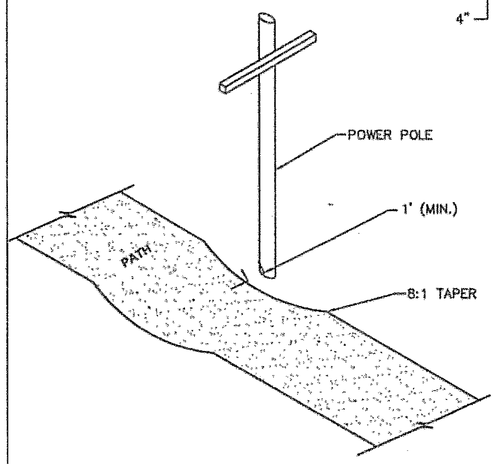
I) WALL HEIGHT SHOULD NOT EXCEED 5 FEET. WALLS OVER 5 FEET SHOULD BE APPROVED BY DESIGN OR GEOTECHNICAL STAFF.

J) ALL ROCKS USED FOR CONSTRUCTION OF THE WALL WILL BE ANGULAR. SMOOTH, ROUNDED BOULDERS, EVEN IF BROKEN ON ONE OR MORE FACES, ARE NOT ACCEPTABLE.

ROCKERY WALL DETAIL



PAVEMENT MATCH JOINT



PATH SWERVE DETAIL

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:
Q:\Psg\68165\Planset\E_ROCKERYWALL.dwg
drdodge

PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: E8

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

MITKOF HWY COASTAL PATH
TEA-0937(27)~68165
MITKOF HWY FERRY TERMINAL
SOUTH RESURFACING
STP-0937(29)~68242

ROCKERY WALL DETAILS

DESIGNED BY: D. LESTER

STATE OF ALASKA
PETE BEDNAROWICZ
CE-5104
REGISTERED PROFESSIONAL ENGINEER
4/5/05

CHECKED BY: P. BEDNAROWICZ
DRAWN BY: L. ROBERTSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION – SE REGION
PSG-MITKOF HWY
COASTAL PATH &
HIGHWAY RESURFACING
PROJECT NO. 68165-68242

ROCKERY WALL DETAILS

PROJECT DESIGNATION NUMBER	
68165 - 68242	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
E8	89

R7-9

Top Left
Legend: White
Background: Red

Top Right & Bottom
Legend: Red
Background: White

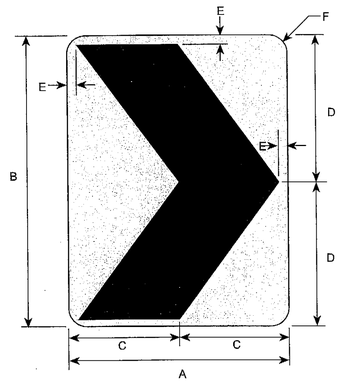
Road Class	Dimensions (inches) A	B	C	D	E	F	G	H	J
Conv & Min	12	18	0.38	0.38	2.38	2B	3B	1.38	0.38

K	L	M	N	P	Q
1.38	3C	1.5	3C	3	1.50

Face Area = 1.5 ft²

ALASKA SIGN DESIGN SPECIFICATIONS 4/8/02

W1-8



Border and Legend: Black
Background: Yellow

Make symbol proportional
to the one shown.

Road Class	Dimensions (inches) A	B	C	D	E	F
Bike	12	18	6	9	0.50	1.50
Minimum	18	24	9	12	0.75	1.50
Conventional	24	30	12	15	0.88	1.50
Expwy	30	36	15	18	1.00	1.88
Freeway	36	48	18	24	1.13	2.25

Face Area = 1.5 ft²

ALASKA SIGN DESIGN SPECIFICATIONS 4/8/02

Stationing for Bike Lane (R7-9) Signs

No.	Stations	Face Area (SF)
1.	7+70	1.5
2.	8+95	1.5
3.	10+88	1.5
4.	13+44	1.5
5.	15+25	1.5
6.	17+20	1.5
7.	55+42	1.5
8.	57+15	1.5
9.	59+00	1.5
10.	62+90	1.5
11.	65+10	1.5
12.	67+00	1.5
13	68+90	1.5
14	71+40	1.5
15	73+30	1.5
16	74+90	1.5
17	76+80	1.5
18	78+17	1.5
19	80+40	1.5
20	82+75	1.5
21	84+95	1.5
22	86+55	1.5
23	88+75	1.5
24	90+60	1.5
25	92+50	1.5
26	94+63	1.5
27	96+65	1.5
28	98+93	1.5
29	100+63	1.5
30	103+00	1.5
31	105+28	1.5
32	106+70	1.5
33	60+85	1.5

Chevron Signs (W1-8)

No.	Station	Face Area
1.	18+60	1.5
2.	30+57	1.5
3.	30+93	1.5
4.	33+88	1.5
5.	34+48	1.5
6.	53+60	1.5