

State of Alaska

Department of Transportation and Public Facilities

Southeast Region Design and Engineering Services Division

KETCHIKAN, ALASKA

NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MILE POST 15

GRADING & PAVING

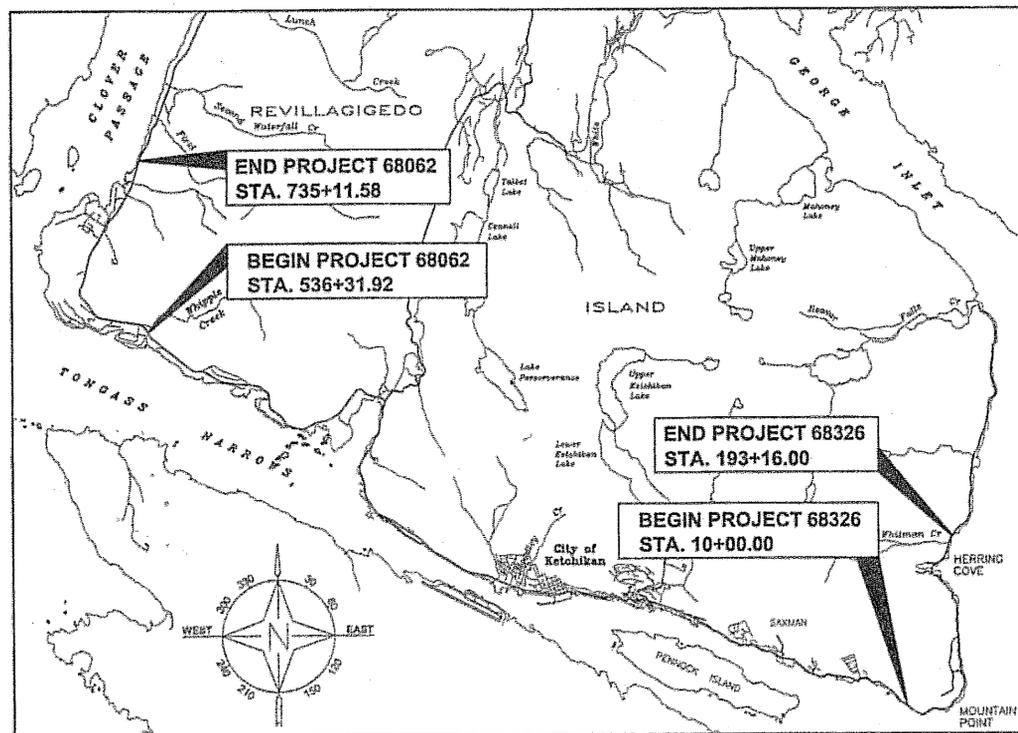
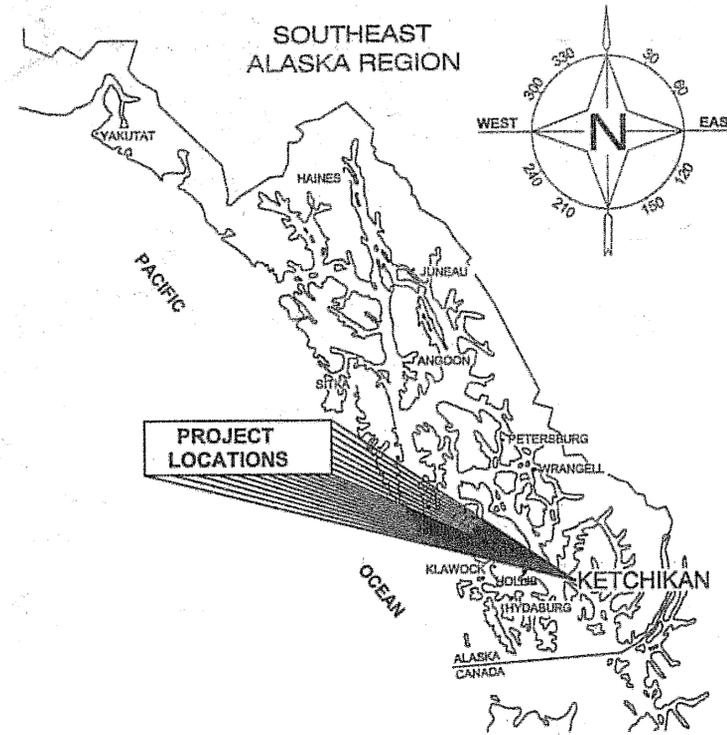
PROJECT No. STP-000S(491) ~ 68062

SOUTH TONGASS HIGHWAY

MOUNTAIN POINT TO HERRING COVE

PAVEMENT REFURBISHMENT PROJECT No.

IM-0902(30) ~ 68326



VICINITY MAP

INDEX

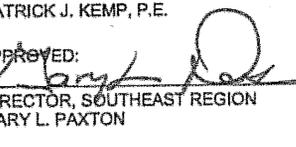
SHEET NO.	DESCRIPTION
AA1	COMBINED TITLE SHEET
BB1	COMBINED ESTIMATE OF QUANTITIES
NORTH TONGASS HIGHWAY - 68062	
A1	TITLE SHEET
B1	TYPICAL SECTION
D1-D5	SUMMARY TABLES
F1-F10	ROADWAY LAYOUT PLANS
J1	MISCELLANEOUS DETAILS
Q1-Q2	PTR-SITE LAYOUT & DETAILS
S1-S2	TRAFFIC CONTROL PLAN
T1	EROSION & SEDIMENT CONTROL PLAN DETAILS
SOUTH TONGASS HIGHWAY - 68326	
A1	TITLE SHEET
A2-A3	SURVEY CONTROL PLAN
B1	TYPICAL SECTIONS
D1-D3	MISCELLANEOUS SUMMARIES
F1-F12	ROADWAY LAYOUT PLAN
J1-J2	MISCELLANEOUS DETAILS
S1-S2	TRAFFIC CONTROL PLAN
As Built Plans	
Project Engineer: Mark Figley	
Start: June 28, 2005	
End: May 15, 2006	

PATH: O:\Kin\68062\DR\AA1_TSH1.dwg
Thu, 24/Mar/05 11:27AM

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

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

APPROVED:  4/6/05
REGIONAL PRE-CONSTRUCTION ENGINEER
PATRICK J. KEMP, P.E. DATE 4/6/05

APPROVED:  4/6/05
DIRECTOR, SOUTHEAST REGION
GARY L. PAXTON DATE 4/6/05

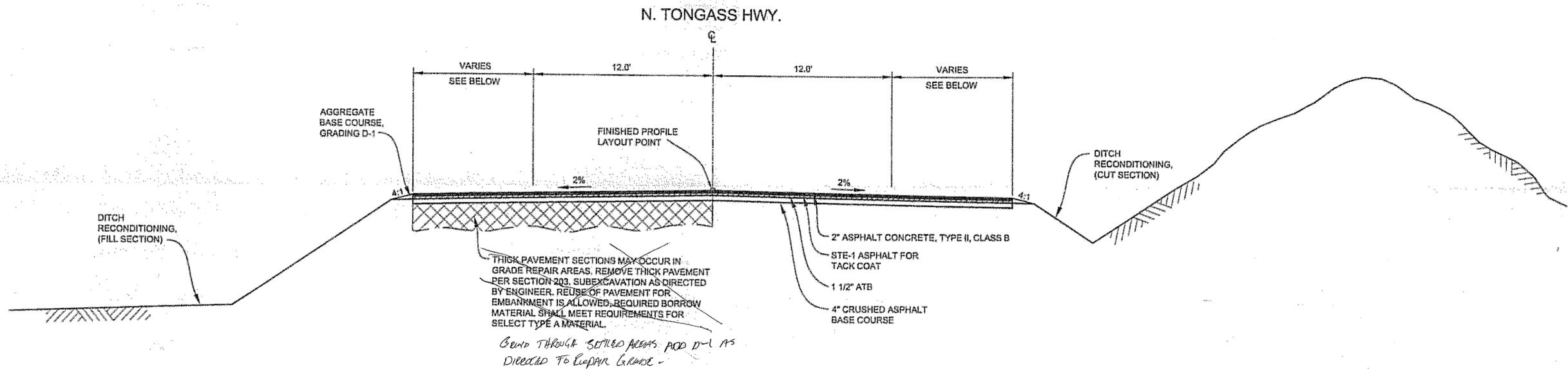
CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:

CONSTRUCTION PROJECT MANAGER _____ DATE _____

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	STP-000S(491)\68062	2005	AA1	XX
ALASKA	IM-0902(30)\68326	2005		

TYPICAL SECTION NOTES:

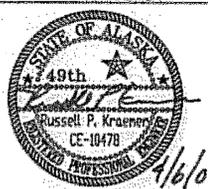
1. REFERENCE EXISTING HIGHWAY CENTERLINE FOR NEW CONSTRUCTION.
2. REMOVE ALL METAL RECESSED PAVEMENT MARKERS AND SURVEY MONUMENTS PRIOR TO ASPHALT GRINDING. PAVEMENT MARKERS ARE SPACED AT APPROXIMATELY 50 FT. INTERVALS.
3. FOLLOW EXISTING GRADE EXCEPT IN REPAIR AREAS WHERE GRADE WORK IS REQUIRED. PRIOR TO BEGINNING WORK, SUBMIT PROPOSED GRADE INFORMATION FOR REPAIR AREAS FOR APPROVAL.
4. GRIND EXISTING PAVEMENT TO CREATE 4 INCHES OF CRUSHED ASPHALT BASE COURSE PER SECTION 308. FOR GRADE REPAIR AREAS, REMOVE ALL EXISTING PAVEMENT, REFER TO GRADE REPAIR SUMMARY TABLE AND NOTES.
5. MAKE INITIAL GRINDING PASS THEN ADD BASE COURSE MATERIAL AS REQUIRED TO CREATE A SMOOTH AND UNIFORM GRADE. THE GRADE SHALL THEN BE APPROVED, PRIOR TO ADDING AND MIXING CSS-1 AND PORTLAND CEMENT IN THE SECOND PASS.
6. GRADE REPAIR AREAS ON PLANS MAY REQUIRE SUBEXCAVATION AND BACKFILL OF THE THICK PAVEMENT SECTIONS, AS DIRECTED BY THE ENGINEER, PAID UNDER SECTION 203. LIMITS OF SUBEXCAVATION TO BE DETERMINED IN FIELD, REFER TO GRADE REPAIR SUMMARY TABLE AND NOTES, SHEET D-1.
7. INSTALL RPM PER STANDARD DRAWING T-06.00, SEE ADDITIONAL GROOVING DETAIL AND NOTES ON SHEET D5.



ROADWAY TYPICAL SECTION

PAVEMENT WIDTH FOR SHOULDERS:
 STA. 536+31.92 TO STA. 671+82.50 - 6'
 STA. 671+82.50 TO STA. 672+77.80 - TRANSITION
 STA. 672+77.80 TO E.O.P. STA. 735+11.58 - 3'

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. KRAEMER 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15																					
TYPICAL SECTIONS																						
DESIGNED BY: T. MOORE DRAWN BY: D. STEVENS PATH: Q:\win68062\DRB_Typ.dwg TAB: TYPSECTS Tue, 05/Apr/05 07:58AM c:\cameron																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">REVISIONS</th> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> <th></th> <th></th> <th></th> <th></th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td>STP-000S(491)\68062</td> <td>2005</td> <td>B1</td> <td>XX</td> </tr> </tbody> </table>	REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE	DESCRIPTION								STP-000S(491)\68062	2005	B1	XX	
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS																
NO.	DATE	DESCRIPTION																				
			STP-000S(491)\68062	2005	B1	XX																

GRADE REPAIR AREAS				
REPAIR No.	STATION TO STATION		LENGTH	REMARKS
1	608+49	TO 612+04	355'	
2	620+51	TO 622+56	205'	
3	623+50	TO 627+30	380'	
4	631+43	TO 633+03	160'	
5	646+00	TO 648+50	250'	
6	660+00	TO 662+50	250'	
			TOTAL= 1,600'	

NOTE: SURVEY CENTERLINE AND SHOULDER PROFILES 300 FEET BEFORE, AFTER AND THROUGHOUT THE GRADE REPAIR AREAS. USING THIS INFORMATION DESIGN A "BEST FIT" PROFILE FOR EACH AREAS THAT ARE SUBEXCAVATED SHALL BE RESURVEYED TO COMPUTE UNCLASSIFIED EXCAVATION QUANTITIES.

GUARDRAIL SUMMARY *				
APPROXIMATE STATION TO STATION OF GUARDRAIL		OFFSET	REPLACE LENGTH IN FEET	PAY ITEM
576+60	TO 580+08	LT	37.5	606 (13)
588+12	TO 590+75	LT	12.5	606 (13)
604+49	TO 605+41	LT	112.5	606 (1)
605+42	TO 607+60	LT	100	606 (1)
609+10	TO 613+35	LT	112.5	606 (13)
615+47	TO 617+97	LT	75	606 (13)
664+85	TO 665+40	LT	55	606 (1)
676+30	TO 678+10	LT	100	606 (13)
701+85	TO 702+18	LT	75	606 (1)
702+18	TO 703+75	LT	157	606 (1)
				TOTAL 606 (1)= 500'
				TOTAL 606 (13)= 340'

NOTE: AREAS FOR GUARDRAIL POST REPLACEMENT WILL BE PAID UNDER 606 (1), AS APPROVED BY ENGINEER.

EXTRUDER TERMINAL ET-2000		
APPROXIMATE STATION OF END SECTION	OFFSET	QUANTITY
580+08	LT	1
590+75	LT	1
607+60	LT	1
613+40	LT	1
617+97	LT	1
655+85	RT	1
658+75	LT	1
664+85	RT	1
676+25	RT	1
678+10	LT	1
703+75	LT	1
TOTAL= 11		

* SEE SHEETS H-F10 FOR RED LINE CORRECTIONS TO THIS SUMMARY

APPROACH CULVERT SUMMARY			
STATION	DRIVEWAY	LENGTH	DIAMETER
556+18	A-16	85' 63"	18"
559+75	A-21	44' 41.6"	18"
581+53	A-25	54' 53"	18"
664+54	A-70	85' 41"	18"
684+50	A-81	38' 42"	18"
685+70	A-83	60' 51.3"	18"
689+78	A-86	48' 42"	18"
712+75	A-110	48'	18"
728+33	A-124	85' 63"	18"
TOTAL= 478'			

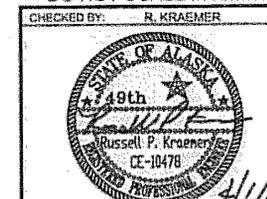
NOTE: 22 L.F. ALLOWANCE FOR 18 INCH CULVERT PIPE.

672+50	A-76	41'	24"
683+20	A-79	42'	18"

CROSS CULVERT SUMMARY			
PIPE	APPROXIMATE CENTERLINE STATION	LENGTH	DIAMETER
P-2	544+53	78' 78"	24"
P-3	551+04	68' 80"	24"
P-4	557+77	68' 80"	36"
P-7	562+94	68' 84"	24"
P-8	564+40	68' 72.8"	24"
P-11	577+85	114' 146.3"	36"
P-12	579+70	58' 73.1"	24"
P-19	614+92	75' 74"	24"
P-25	681+05	10' 21"	24"
P-29	657+00	98' 11.3"	36"
P-30	666+22	84' 107"	24"
P-41	709+70	58' 63"	24"
P-43	713+42	68' 63"	24"
P-46	731+85	68' 73"	24"
TOTAL 24"= 685'			
TOTAL 36"= 276'			

P-23	625+20	74'	24"
P-33	684+65	84'	36"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION
KETCHIKAN
NORTH TONGASS HIGHWAY
WHIPPLE CREEK TO MP 15

SUMMARY OF QUANTITIES			
NO.	DATE	DESCRIPTION	
DESIGNED BY: T. MOORE		PROJECT DESIGNATION	
DRAWN BY: D. STEVENS		YEAR	
PATH: Q:\Kin8502\DRD_Sums.dwg		SHEET NO.	
TAB: D1		TOTAL SHEETS	
REVISED		STP-000S(491)68062	
TUE, 05/APR/05 07:59AM		2005	
C:\CAMRION		D1	
		XX	

CULVERT END CLEANING

STATION	PIPE	OFFSET	
616+58	P-20		RT
620+05	P-21	LT	RT
623+36	P-22	LT	RT
626+20	P-23	LT	RT
631+27	P-25 P-24	LT	RT
605+00	P-17		RT
722+50	P-44B		RT

NOTE:
REFER TO SECTION 202.

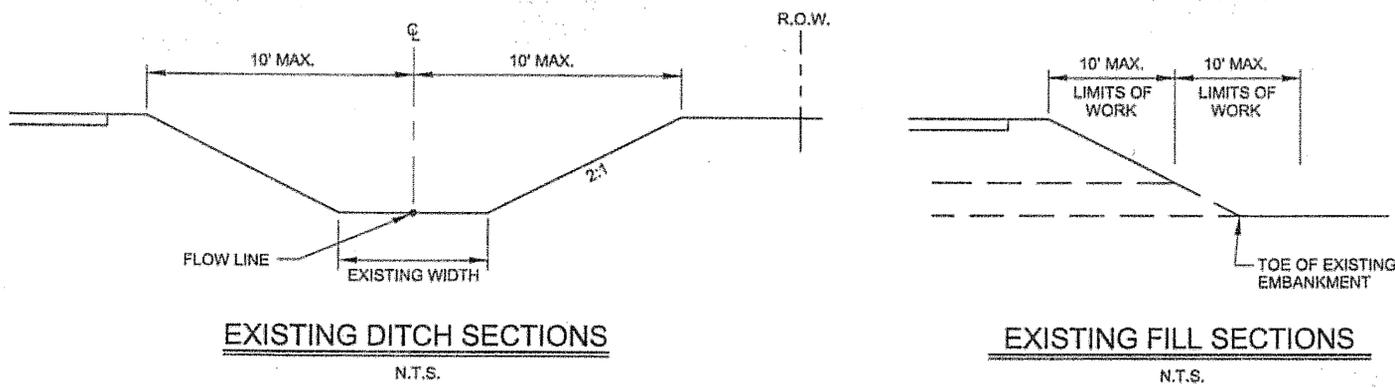
MONUMENT REMOVAL SUMMARY

No.	STATION
M-4	539+21
M-5	547+96
M-6	552+84
M-7	559+14
M-8	562+86
M-9	568+84
M-10	571+05
M-11	579+08
M-12	586+62
M-13	596+41
M-14	602+30
M-15	604+63
M-16	615+40
M-17	618+61
M-18	623+36
M-19	633+99
M-20	640+52
M-21	651+35
M-22	657+32
M-23	662+19
M-24	671+05
M-25	679+60
M-26	686+29
M-27	689+33
M-28	697+40
M-29	711+13
M-30	714+26
M-31	721+74
M-32	735+12

INSTALL MONUMENT WITH CASE SUMMARY TABLE

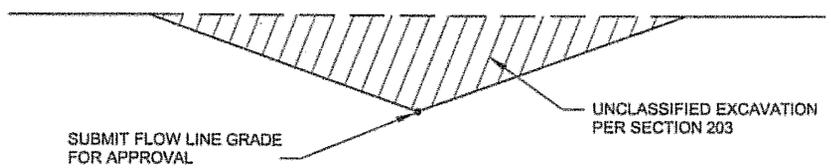
APPROXIMATE STATION	QUANTITY
538+50 rt	1
548+25 rt	1
554+75 Lt	1
581+60 Lt	1
585+75 Rt	1
598+50 Lt	1
608+09 Lt	1
614+00 Lt	1
620+50 rt	1
623+50 Lt	1
646+40 Lt	1
662+56 rt	1
673+45 Lt	1
690+10 rt	1
696+05 rt	1
713+50 rt	1
724+00 rt	1
735+05 Lt	1
Total	18

NOTES:
1. REFER TO SPECIAL PROVISIONS SECTION 642.
2. THE LOCATIONS OF THE PROPOSED CONTROL MONUMENTS ARE APPROXIMATE. SET PRIMARY MONUMENTS AND CASES IN THE PAVEMENT SHOULDER IN LINE-OF-SIGHT WITH EACH OTHER AND APPROXIMATELY 3 FT FROM THE EDGE OF PAVEMENT. THE INTENT IS TO PROVIDE MONUMENTED TRAVERSE LINE FOR PROJECT CORRIDOR. SEE STANDARD DRAWINGS M-13.01 AND M-16.01



DITCH RECONDITIONING DETAILS

- NOTES:
- CLEAR 10 FEET MAXIMUM ON EITHER SIDE OF CULVERT.
 - REMOVE AND DISPOSE OF ALL BRUSH.
 - EXCAVATION TO ESTABLISH FLOW LINE IS INCIDENTAL TO DITCH RECONDITIONING.
 - SEEDING IS REQUIRED TO STABILIZE SLOPE OF DITCH.



ESTABLISH DITCH DETAIL

NOTE:
SUBMIT FLOW LINE GRADE FOR APPROVAL.

ESTABLISH DITCH SUMMARY

STATION TO STATION	OFFSET	LENGTH	REMARKS
552+50 TO 553+00	RT	50'	
648+62 TO 649+02	RT	40'	DIG OUT UTILITY APPROACH A-64
653+50 TO 654+00	LT	50'	DITCH IS 75' FROM CENTERLINE
683+00 TO 684+40	LT	140'	
684+75 TO 685+41	RT	66'	MAIL BOX TO BE MOVED AND REPLACED
684+65 TO 685+45	LT	80'	
TOTAL = 426'			

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15
CHECKED BY: R. KRAEMER DESIGNED BY: T. MOORE DRAWN BY: D. STEVENS PATH: Q:\m\68062\DRD_Sums.dwg TAB: D2 Revisions: NO. DATE DESCRIPTION PROJECT DESIGNATION: STP-000S(491)68062 YEAR: 2005 SHEET NO.: D2 TOTAL SHEETS: XX	<h3>SUMMARY OF QUANTITIES</h3>

DRIVEWAY SUMMARY

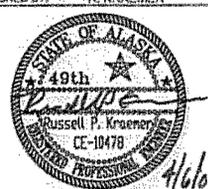
APPROX. STATION	APPROACH	OFFSET	COMMENTS
538+50	A-1	LT	
539+91	A-2	RT	
542+62	A-3	LT	
545+25	A-4	RT	Whipple Spur, Type B
545+75	A-5	RT	Texaco, Type A
546+60	A-6	LT	Pond Reef Rd., Type A
547+10	A-7	RT	Hal's Equipment, Type B
547+70	A-8	RT	Type B
548+92	A-9	LT	Type B
549+85	A-10	RT	Commercial, Type B
551+70	A-11	LT	Type B
552+25	A-12	RT	Type B
553+58	A-13	RT	Type B
554+28	A-14	LT	Type B
555+10	A-15	LT	Enright Ln., Type B
556+18	A-16	LT	Needs pipe and ditch work, Type B
556+40	A-17	RT	Type B
557+90	A-18	RT	Groomingdales, Type B
558+18	A-19	LT	Oceanberry Ct., Type B
559+25	A-20	LT	Type B
559+75	A-21	RT	Needs a pipe so flow can get to P-5, Type B
560+43	A-22	RT	Dewberry Ln.
560+55	A-23	LT	Type B
560+90	A-24	LT	Type B
561+53	A-25	RT	Elderberry Ln. Needs pipe, Type B
562+71	A-26	LT	KPU, Type B
563+18	A-27	RT	Type B
564+19	A-28	RT	Type B
565+26	A-29	RT	Type B
565+85	A-30	RT	Type B
566+26	A-31	LT	Type B
568+15	A-32	LT	S. Point Higgins, Type A
569+75	A-33	RT	Type B
572+12	A-34	LT	Type B
573+25	A-35	LT	Type B
573+65	A-36	RT	Type A
575+18	A-37	LT	Type B
576+10	A-38	LT	Blackberry Ln., Type B
577+62	A-39	RT	Type B
579+40	A-40	RT	Cloudberry Ln., Type B
580+44	A-41	RT	Type B
582+78	A-42	LT	Type B
583+93	A-43	LT	Commercial, Type B
585+42	A-44	LT	Type B
586+15	A-45	LT	Type B
586+25	A-46	RT	Type B
587+70	A-47	LT	Cranberry Rd., Type A
589+70	A-48	RT	Type B
591+97	A-49	LT	Type B
596+01	A-50	LT	Type A
596+22	A-51	RT	Type B
597+18	A-52	LT	Type B
597+32	A-53	RT	Type B
599+68		RT	Bus Stop
598+92	A-54	LT	Type A
600+20	A-55	LT	Type B
602+24	A-56	RT	Snowberry Ln.
603+96	A-57	LT	Type B
628+10	A-58	LT	USCG, Type B
629+56	A-59	LT	Type B
638+56	A-60	RT	USCG, Type B
642+40	A-61	LT	USCG, Type B
646+27	A-62	RT	Type B
648+67	A-63	LT	KPU
648+81	A-64	RT	Remove Driveway A-64 From Contract

DRIVEWAY SUMMARY

APPROX. STATION	APPROACH	OFFSET	COMMENTS
658+90	A-65	LT	Type B
660+95	A-66	LT	Type B
661+19	A-67	LT	Higgins Spur, Type A
663+01	A-68	RT	Type B
663+33	A-69	LT	Type B
664+54	A-70	RT	Needs pipe, Type B
667+15	A-71	RT	Type B
667+35	A-72	LT	Type B
669+07	A-73	RT	Riddle Rd., Type B
670+13	A-74	RT	Type B
672+20	A-75	LT	N. Point Higgins, Type A
672+43	A-76	RT	Trollers Rd., Type B
675+10	A-77	RT	Type B
682+62	A-78	LT	Type B
683+15	A-79	RT	Type B
683+80	A-80	RT	Type B
684+50	A-81	LT	Needs pipe, Type B
685+70	A-82	RT	Type B
685+70	A-83	LT	Needs pipe, Type B
688+16	A-84	LT	Type B
689+78	A-85	RT	Type B
689+78	A-86	LT	Needs pipe, Type B
691+42	A-87	RT	Type B
691+49	A-88	LT	Type B
692+28	A-89	LT	Type B
693+00	A-90	RT	Type B
694+40	A-91	LT	Type B
695+75	A-92	LT	N. Battist Church, Type B
698+63	A-93	RT	Type B
699+70	A-94	RT	Type B
699+95	A-95	LT	Type B
701+30	A-96	LT	Knudsen Cove Rd., Type A
703+45	A-97	RT	Type B
703+93	A-98	LT	Type B
704+75	A-99	RT	Type B
704+87	A-100	LT	Type B
705+95	A-101	LT	Duck Walk Ln., Type B
706+25	A-102	RT	Type B
706+87	A-103	LT	Type B
708+20	A-104	RT	Type B
708+70	A-105	LT	Type B
710+20	A-106	RT	Brand Rd. (Proposed), Type B
711+00	A-107	LT	Type B
711+37	A-108	RT	Gruard Rd., Type B
712+43	A-109	RT	Type B
712+75	A-110	RT	Needs pipe, Type B
713+70	A-111	LT	Type A
713+80	A-112	RT	Type B
714+48	A-113	RT	Type B
714+73	A-114	LT	Type B
716+09	A-115	LT	Type A
716+21	A-116	RT	Type A
716+21	A-117	LT	Type A
719+99	A-118	LT	Lizzie Ln., Type B
720+22	A-119	RT	Clover View, Type B
721+17	A-120	RT	Type A
723+37	A-121	LT	Type B
724+50	A-122	RT	Type B
725+79	A-123	LT	Type B
728+33	A-124	RT	Needs pipe, Type B
729+28	A-125	LT	Type B
729+70	A-126	LT	Type B
731+50	A-127	LT	Type A

* SEE SHEETS F1 - F10
FOR RED LINE CORRECTIONS
TO THIS SUMMARY.

NOTE:
REFER TO SHEET E2 FOR TYPE A AND B DRIVEWAYS AND DETAILS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS													
CHECKED BY: R. KRAEMER 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15												
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NO.	DATE	DESCRIPTION											

615(1) - STANDARD SIGN SUMMARY

Number	Station	Off.	Desc.	ASDS Code	Dim. (HxW)	Area (sf)	Post	Remarks
1	534+75	LT	OBJECT MARKER-LEFT	OM-3L	12x36	3.0	2.5	
2	534+80	RT	WHIPPLE CREEK	I-3	24x72 (66)	2.0 (6.5)	2.5	
3	534+80	RT	OBJECT MARKER-RIGHT	OM-3R	12x36	3.0	2.5	
4	536+25	LT	WHIPPLE CREEK	I-3	24x72 (66)	9.0 (6.5)	2.5	
5	536+25	LT	OBJECT MARKER-LEFT	OM-3L	12x36	3.0	2.5	
6	536+30	RT	OBJECT MARKER-RIGHT	OM-3R	12x36	3.0	2.5	
7	536+75	RT	CURVE LEFT	W1-2L	36x36	9.0	2.5	
8	536+75	RT	50 MPH	W13-1	24x24	4.0	2.5	MOUNT BELOW SIGN 7
9	541+00	LT	← POND REEF RD	D3-2L	12x16x98 (90)	10.7 (9.5)	2.5	
10	544+85	RT	WHIPPLE SPUR	D3-1	8x80 (36)	3.8 (2.0)	2.5	
11	545+60	RT	STOP	R1-1	30x30	6.25	2.5	MOUNT BELOW SIGN 10
12	545+75	LT	50 MPH	W13-1	36x30	7.5	2.5	
13	546+45	LT	POND REEF RD.	D3-1	(2) 8x80 (42)	3.8 (2.3)	2.5	
14	546+45	LT	STOP	R1-1	30x30	6.25	2.5	NEW INSTALLATION, MOUNT BELOW SIGN 13
15	546+80	RT	SPEED LIMIT 55	R2-1	36x30	7.5	2.5	
16	548+45	LT	POND REEF RD →	D3-2R	12x16x98 (90)	10.7 (9.5)	2.5	
17	551+35	LT	CURVE RIGHT	D3-1	36x36	9.0	2.5	
18	551+35	LT	50 MPH	W13-1	24x24	4.0	2.5	MOUNT BELOW SIGN 17
19	554+95	LT	ENRIGHT LN.	D3-1	(2) 8x80 (36)	2.7 (1.0)	2.5	
20	554+95	LT	STOP	R1-1	30x30	6.25	2.5	NEW INSTALLATION, MOUNT BELOW SIGN 19
21	556+75	RT	ADOPT A HIGHWAY....	I-150	36x30	7.5	2.5	ALASKA WOMEN IN TIMBER
22	556+90	RT	MILEPOST 12	M10-1	12x6	1.0	2.5	
23	558+00	LT	OCEANBERRY CT.	D3-1	(2) 8x80 (41)	3.3 (2.3)	2.5	
24	558+00	LT	STOP	R1-1	30x30	6.25	2.5	NEW INSTALLATION, MOUNT BELOW SIGN 23
25	560+60	RT	DEWBERRY LN.	D3-1	(2) 8x80 (36)	3.0 (1.0)	2.5	
26	560+60	RT	STOP	R1-1	30x30	6.25	2.5	NEW INSTALLATION, MOUNT BELOW SIGN 25
27	561+75	RT	ELDERBERRY LN.	D3-1	(2) 8x80 (41)	3.8 (2.3)	2.5	
28	561+75	RT	STOP	R1-1	30x30	6.25	2.5	NEW INSTALLATION, MOUNT BELOW SIGN 27
29	564+90	RT	← S. PT. HIGGINS RD. HIGGINS	D3-2L	12x16x114 (102)	12.7 (9.5)	2.5	
30	567+90	LT	S. PT. HIGGINS RD. HIGGINS	D3-1	(2) 8x72 (48)	4.0 (2.6)	2.5	
31	567+90	LT	STOP	R1-1	30x30	6.25	2.5	NEW INSTALLATION, MOUNT BELOW SIGN 30
32	571+25	LT	S. PT. HIGGINS RD. → HIGGINS	D3-2R	12x16x114 (102)	12.7 (9.5)	2.5	
33	573+00	RT	CURVE RIGHT	W1-2L	36x36	9.0	2.5	
34	573+00	RT	50 MPH	W13-1	24x24	4.0	2.5	MOUNT BELOW SIGN 33
35	575+95	LT	BLACKBERRY LN.	D3-1	(2) 8x80 (42)	3.8 (2.3)	2.5	
36	575+95	LT	STOP	R1-1	30x30	6.25	2.5	NEW INSTALLATION, MOUNT BELOW SIGN 35
37	579+60	RT	CLOUDBERRY LN.	D3-1	(2) 8x80 (42)	3.8 (2.3)	2.5	
38	579+60	RT	STOP	R1-1	30x30	6.25	2.5	MOUNT BELOW SIGN 37
39	585+20	RT	← CRANBERRY RD.	D3-2L	12x16x96	10.7 (8.0)	2.5	
40	587+50	LT	CRANBERRY RD.	D3-1	8x80 (42)	3.8 (2.3)	2.5	
41	587+50	LT	STOP	R1-1	30x30	6.25	2.5	NEW INSTALLATION, MOUNT BELOW SIGN 40
42	590+50	LT	CRANBERRY RD. →	D3-2R	12x16x96	10.7 (8.0)	2.5	
43	591+45	LT	CURVE LEFT	W1-2L	36x36	9.0	2.5	
44	591+45	LT	50 MPH	W13-1	24x24	4.0	2.5	MOUNT BELOW SIGN 43
45	593+10	RT	SCENIC VIEW	D7-3	18x18	2.25	2.5	
46	599+15	RT	CURVE RIGHT	D3-1	36x36	9.0	2.5	
47	599+15	RT	50 MPH	W13-1	24x24	4.0	2.5	MOUNT BELOW SIGN 46
48	602+40	RT	SNOWBERRY LN.	D3-1	(2) 8x80 (42)	3.8 (2.3)	2.5	
49	602+40	RT	STOP	R1-1	30x30	6.25	2.5	MOUNT BELOW SIGN 48
50	603+20	RT	DEER CROSSING	W11-3	36x36	9.0	2.5	
51	608+40	LT	607+40 SCHOOL BUS STOP 500' 500'	S3-1	36x36	9.0	2.5	
52	609+75	RT	ADOPT A HIGHWAY....	I-150	36x30	7.5	2.5	CHURCH OF JESUS CHRIST OF LATER DAY SAINTS
53	609+75	RT	MILEPOST 13	M10-1	12x6	1.0	2.5	
54	609+75	LT	ADOPT A HIGHWAY....	I-150	36x30	7.5	2.5	ALASKA WOMEN IN TIMBER
55	620+60	LT	SCENIC VIEW	D7-3	18x18	2.2	2.5	

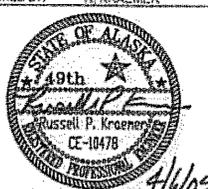
GENERAL STRIPING NOTES

1. THE CONTRACTOR SHALL NOTIFY THE A.D.O.T./P.F. TRAFFIC AND SAFETY SECTION TO PROVIDE THE MARKING LAYOUT AT LEAST ONE WEEK PRIOR TO FINAL STRIPING. THE CONTRACTOR SHALL LAYOUT THE FINAL STRIPING PATTERN BASED ON THE TRAFFIC SECTIONS RECOMMENDATIONS.
2. FOR THE PURPOSES OF ESTIMATING USE 2 - 4 INCH WIDE WHITE SHOULDER STRIPES AT A DISTANCE OF 12 FEET FROM THE CENTERLINE. USE 1.7 - 4 INCH YELLOW CENTERLINE STRIPES FOR THE LENGTH OF THE PROJECT.

GENERAL SIGNING NOTES

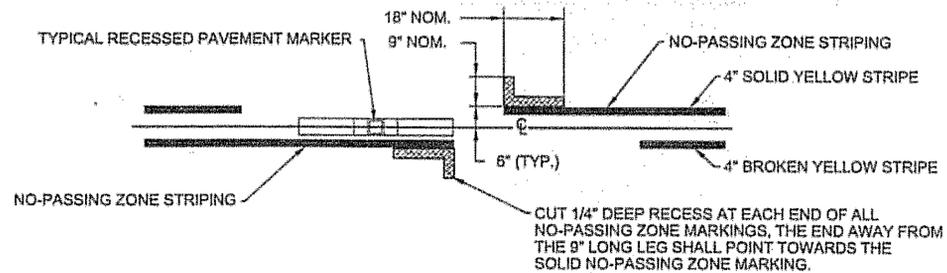
1. SIGN LOCATIONS ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR REVISIONS.
2. SEE STD. DWG. S-30.03 FOR POST SLEEVE TYPE SOIL EMBEDMENT.
3. ALL SIGN POSTS SHALL BE PERFORATED GALVANIZED SQUARE STEEL POSTS.
4. ALL SIGNS SHALL BE .125" THICK EXCEPT AS NOTED IN THE STANDARD SIGN SUMMARY.
5. ALL NEW SIGNS SHALL BE UNFRAMED EXCEPT AS NOTED IN THE STANDARD SIGN SUMMARY.
6. ALL D3-1 STREET SIGNS HAVE THE LEGEND ON ^{one} BOTH SIDES, AND ARE THE BLADE EXTRUDED TYPE. *during approval Traffic section approved signal sided sign.*
7. SIGN PANELS TO BE INSTALLED PER STANDARD DRAWING S-05.01.
8. ALL EXISTING SIGNS TO BE REMOVED OR REPLACED SHALL BE DISMANTLED BY THE CONTRACTOR AND STOCKPILED AT THE STATE OF ALASKA D.O.T./P.F. MAINTENANCE STATION AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO 615(1).
9. PRIOR TO INSTALLING POSTS, THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING AND NEW UNDERGROUND UTILITIES, INCLUDING BUT NOT LIMITED TO PIPELINES, INTERCONNECT CABLES, SIGNAL SYSTEMS, LIGHTING SYSTEMS, STORM AND SANITARY SEWERS, WATER SYSTEMS AND TELEPHONE AND ELECTRICAL CABLES. ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. KRAEMER		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
		KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15	
		SIGNING SUMMARY	
DESIGNED BY: T. MOORE	DRAWN BY: D. STEVENS		
PATH: Q:\V\2006\20RD_Summary.dwg		Tue, 05/Apr/05 08:01AM	
TAB: D4		cscameron	
NO.	DATE	DESCRIPTION	PROJECT DESIGNATION
			STP-000S(491)\68062
			2005
			D4
			XX

615(1) - STANDARD SIGN SUMMARY

Number	Milepoint	Off.	Desc.	ASDS Code	Dim. (HxW)	Area (sf)	Post	Remarks
56	624+25	LT	CURVE LEFT	W1-2L	36x36	9.0	2.5	
57	624+25	LT	50 MPH	W13-1	24x24	4.0		MOUNT BELOW SIGN 56
58	647+60	RT	633~ SPEED LIMIT 55	R2-1	36x30	7.5	2.5	
59	647+60	LT	633~ SPEED LIMIT 55	R2-1	36x30	7.5	2.5	
60	658+90	RT	HIGGINS HIGGINS SPUR	D3-2L	16x96	10.7	2.5	
61	661+05	RT	HIGGINS HIGGINS SPUR	D3-1	(L) 8x54	3.0	2.5	
62	661+05	LT	STOP	R1-1	30x30	6.25		NEW INSTALLATION, MOUNT BELOW SIGN 61
63	663+80	LT	HIGGINS HIGGINS SPUR	D3-2L	16x96	10.7	2.5	
64	668+85	LT	ADOPT A HIGHWAY...	I-150	36x30	7.5	2.5	KETCHIKAN VOLUNTEER RESCUE SQUAD
65	668+85	RT	MILEPOST 14	M10-1	12x6	1.0		MOUNT BELOW SIGN 64
66	668+85	RT	ADOPT A HIGHWAY...	I-150	36x30	7.5	2.5	CHURCH OF JESUS CHRIST OF LATER DAY SAINTS
67	669+25	LT	RIDDLE RD.	D3-1	(L) 8x48	2.716	2.5	
68	669+25	LT	STOP	R1-1	30x30	6.25		NEW INSTALLATION, MOUNT BELOW SIGN 67
69	669+85	RT	KNUDSON COVE	D3-2L	16x96	10.7	2.5	
70	669+85	RT	N. PT. HIGGINS RD. HIGGINS	D3-2L	30x150	31.5	2.5	
71	672+00	LT	N. PT. HIGGINS RD. HIGGINS	D3-1	8x72	4.0	2.5	
72	672+00	LT	STOP	R1-1	30x30	6.25		MOUNT BELOW SIGN 71
73	672+65	RT	TROLLERS LN.	D3-1	(L) 8x54	2.010	2.5	
74	672+65	RT	STOP	R1-1	30x30	6.25		NEW INSTALLATION, MOUNT BELOW SIGN 73
75	674+15	LT	N. PT. HIGGINS RD. HIGGINS	D3-2L	16x114	12.7	2.5	
76	674+15	LT	KNUDSON COVE	D3-2L	16x114	12.7	2.5	
77	700+50	RT	KNUDSON COVE	D3-2L	12.16x96	10.780	2.5	
78	701+05	LT	KNUDSON COVE RD.	D3-1	(L) 8x72	4.076	2.5	
79	701+05	LT	STOP	R1-1	30x30	6.25		MOUNT BELOW SIGN 78
80	702+85	LT	KNUDSON COVE	D3-2L	12.16x96	10.780	2.5	
81	705+65	LT	DUCK WALK LN.	D3-1	(L) 8x60	3.375	2.5	
82	705+65	LT	STOP	R1-1	30x30	6.25		NEW INSTALLATION, MOUNT BELOW SIGN 81
83	711+60	RT	BRAND RD.	D3-1	(L) 8x48	2.316	2.5	
84	711+60	RT	STOP	R1-1	30x30	6.25		NEW INSTALLATION, MOUNT BELOW SIGN 83
85	718+75	RT	MILEPOST 15	M10-1	12x6	1.0	2.5	
86	718+80	LT	ADOPT A HIGHWAY...	I-150	36x30	7.5	2.5	KETCHIKAN VOLUNTEER RESCUE SQUAD
87	720+00	LT	LIZZIE LN	D3-1	(L) 8x48	2.316	2.5	
88	720+00	LT	STOP	R1-1	30x30	6.25		MOUNT BELOW SIGN 87
89	720+45	RT	CLOVERVIEW RD.	D3-1	(L) 8x60	3.375	2.5	
90	720+45	RT	STOP	R1-1	30x30	6.25		NEW INSTALLATION, MOUNT BELOW SIGN 89
91	731+50	RT	PAVEMENT ENDS	CW8-3A	36x36	9.0	2.5	REMOVE
92	732+35	LT	SPEED LIMIT 55	R2-1	36x30	7.5	2.5	
93	734+40	RT	SPEED LIMIT 45	R2-1	36x30	7.5	2.5	
TOTAL = 588 S.F.								



NO-PASSING ZONE MARKING GROOVE DETAIL

RECESSED PAVEMENT MARKER NOTES

- RECESSED PAVEMENT MARKERS (R.P.M.'s) SHALL BE INSTALLED BETWEEN THE B.O.P. AND THE E.O.P.
- THE LOCATIONS OF ALL PASSING AND NO-PASSING ZONES SHALL BE DETERMINED AND LOCATED IN THE FIELD BY THE ENGINEER. NO PASSING ZONE MARKING GROOVES SHALL BE CONSIDERED INCIDENTAL TO ITEM 670 (8), RECESSED PAVEMENT MARKINGS AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. KRAEMER 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15						
DESIGNED BY: T. MOORE DRAWN BY: D. STEVENS PATH: Q:\Kb\68062\DRD_Sigma.dwg TAB: DS Tue, 05Apr05 08:02AM cacameron	<h3 style="margin: 0;">SIGNING SUMMARY</h3>						
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NO.	DATE	DESCRIPTION					
YEAR 2005	SHEET NO. D5						
TOTAL SHEETS XX							

BEGINNING OF PROJECT
STA. 536+31.92
MATCH EXISTING
BRIDGE GRADE

LEGEND

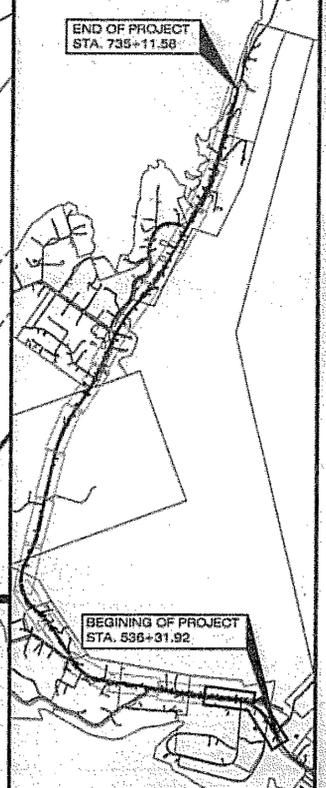
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	ESTABLISH DITCH		SAWCUT AND REMOVE PAVEMENT FROM DRIVEWAY
	REMOVAL & DISPOSAL OF CUT BRUSH		FLOW DIRECTION
	EXISTING MONUMENTS TO BE REMOVED		PIPE INDICATOR
	DRIVEWAY TYPE "A" OR "B"		TEMPORARY CHECK DAM
	DRIVEWAY TYPE "A" OR "B"		APPROACH INDICATOR
	SILT FENCE		

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Thu, 31 Mar 05 09:36AM dastevens

TAB: G1

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: R. KRAEMER

4/6/05

DESIGNED BY: T. MOORE

DRAWN BY: D. STEVENS

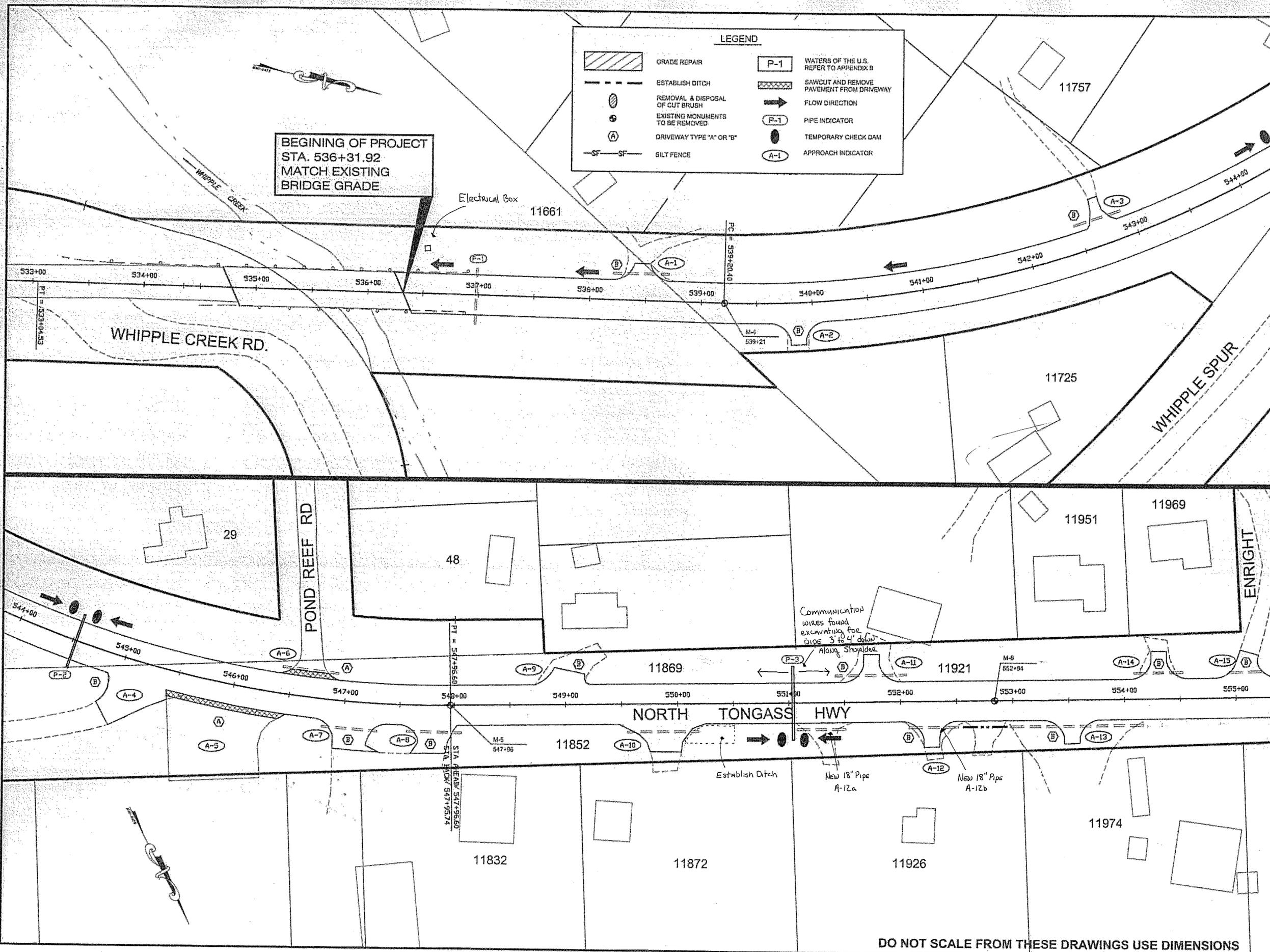
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES
DIVISION

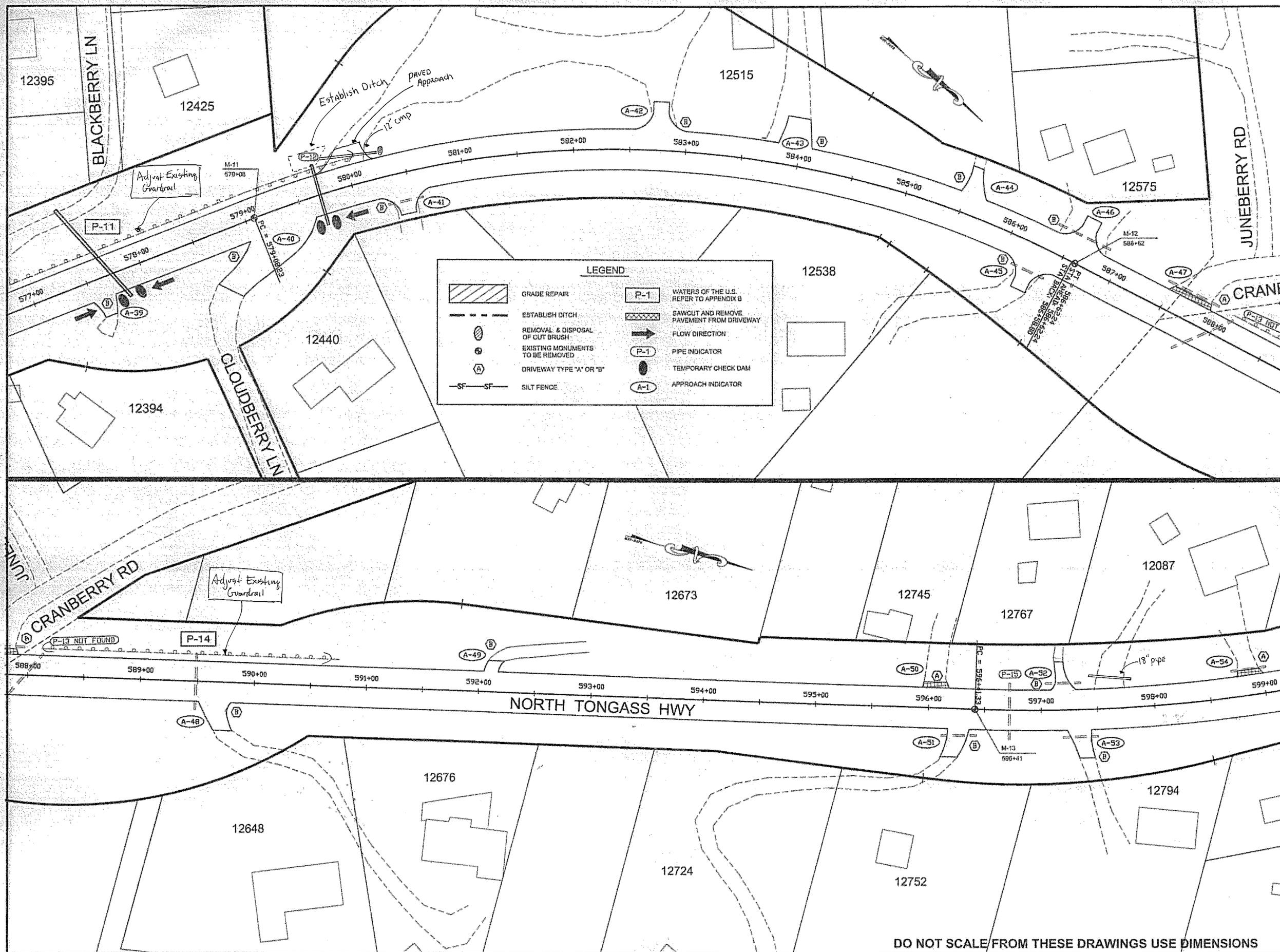
**KETCHIKAN
NORTH TONGASS HIGHWAY
WHIPPLE CREEK TO MP 15**

PLAN

PROJECT DESIGNATION	
STP-000S(491)68062	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F1	XX

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS





LEGEND

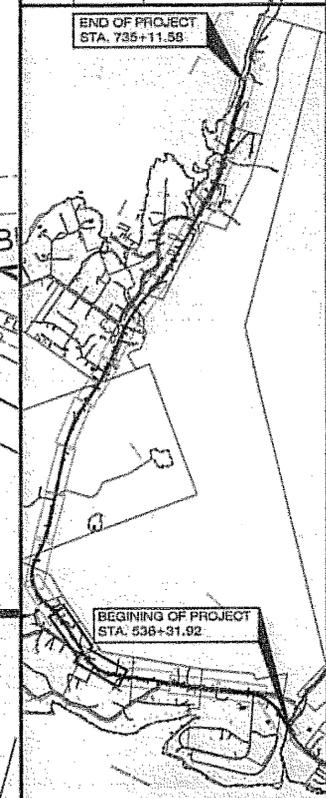
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	ESTABLISH DITCH		SAWCUT AND REMOVE PAVEMENT FROM DRIVEWAY
	REMOVAL & DISPOSAL OF CUT BRUSH		FLOW DIRECTION
	EXISTING MONUMENTS TO BE REMOVED		PIPE INDICATOR
	DRIVEWAY TYPE "A" OR "B"		TEMPORARY CHECK DAM
	SILT FENCE		APPROACH INDICATOR

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TAB: G3

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: R. KRAEMER

DESIGNED BY: T. MOORE

DRAWN BY: D. STEVENS

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

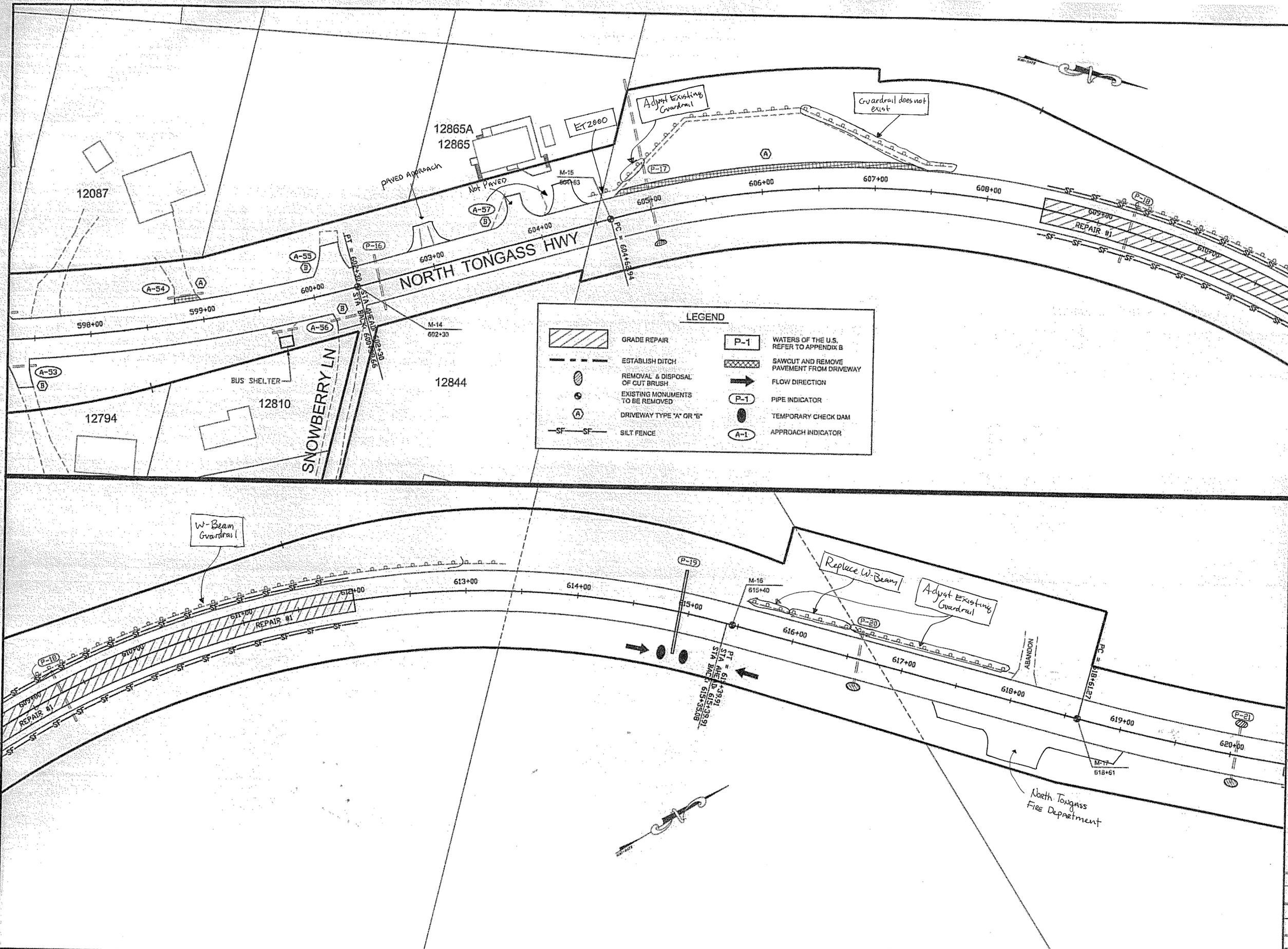
**KETCHIKAN
NORTH TONGASS HIGHWAY
WHIPPLE CREEK TO MP 15**

PLAN

PROJECT DESIGNATION:
STP-000S(491)68062

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F3	XX

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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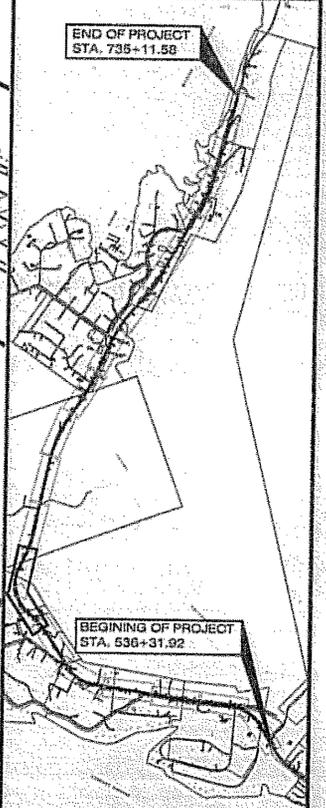
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	ESTABLISH DITCH		SAWCUT AND REMOVE PAVEMENT FROM DRIVEWAY
	REMOVAL & DISPOSAL OF CUT BRUSH		FLOW DIRECTION
	EXISTING MONUMENTS TO BE REMOVED		PIPE INDICATOR
	DRIVEWAY TYPE "A" OR "B"		TEMPORARY CHECK DAM
	SILT FENCE		APPROACH INDICATOR

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Thu, 31/Mar/05 09:37AM dastevens

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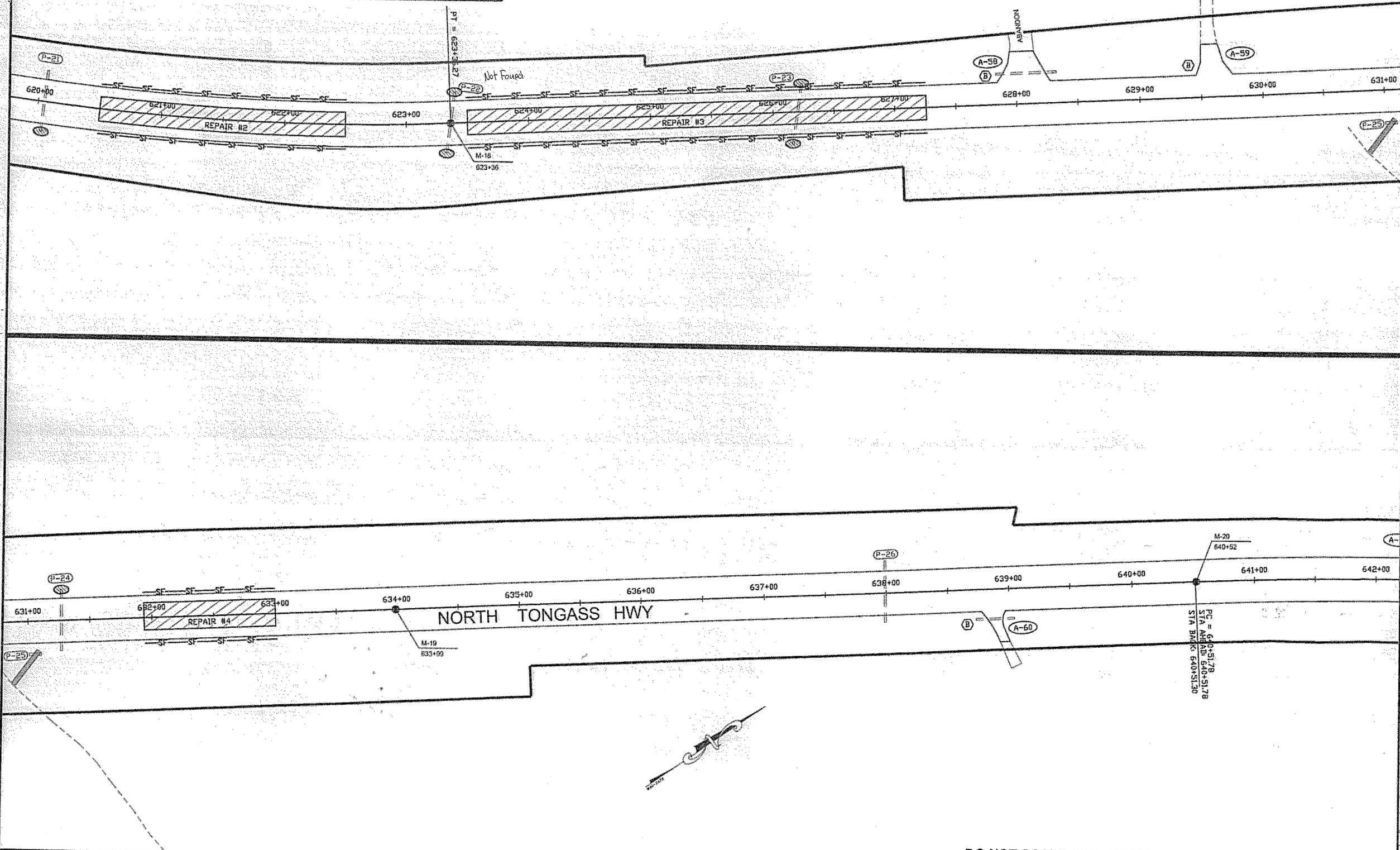
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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

LEGEND

	GRADE REPAIR		WATERS OF THE U.S. REFER TO APPENDIX B
	ESTABLISH DITCH		SAWCUT AND REMOVE PAVEMENT FROM DRIVEWAY
	REMOVAL & DISPOSAL OF CUT BRUSH		FLOW DIRECTION
	EXISTING MONUMENTS TO BE REMOVED		PIPE INDICATOR
	DRIVEWAY TYPE "A" OR "B"		TEMPORARY CHECK DAM
	SILT FENCE		APPROACH INDICATOR



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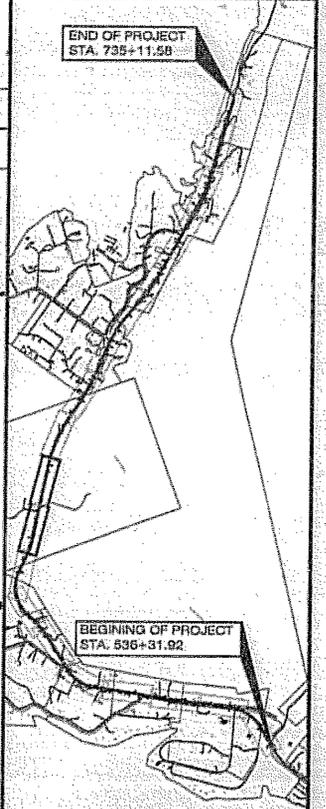
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: R. KRAEMER

DESIGNED BY: T. MOORE

DRAWN BY: D. STEVENS

STATE OF ALASKA
48th
Russell P. Kraemer
CE-10478
4/6/05

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

**KETCHIKAN
NORTH TONGASS HIGHWAY
WHIPPLE CREEK TO MP 15**

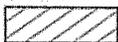
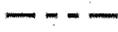
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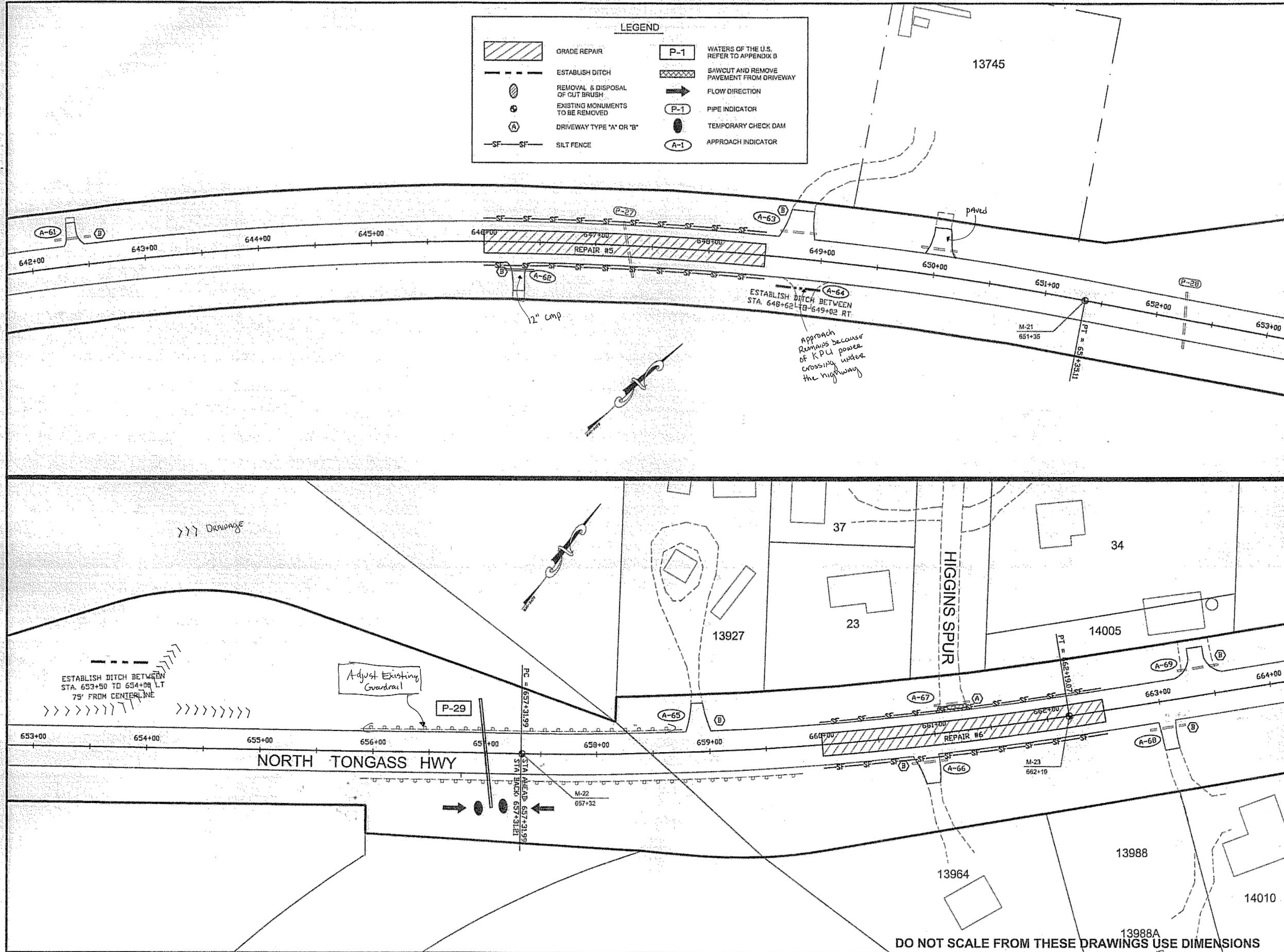
PROJECT DESIGNATION
STP-000S(491)\68062

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F5	XX

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

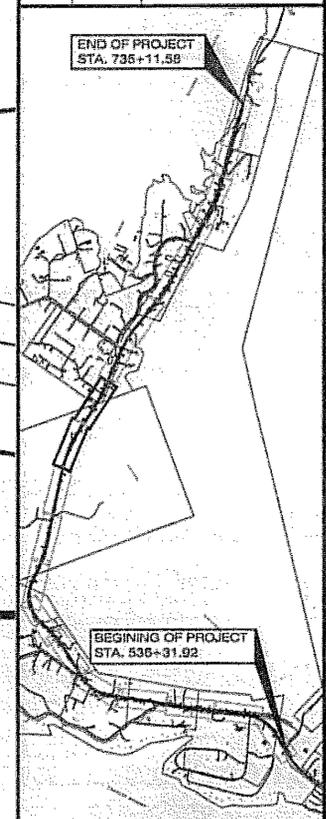
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	GRADE REPAIR		WATERS OF THE U.S. REFER TO APPENDIX D
	ESTABLISH DITCH		SAWCUT AND REMOVE PAVEMENT FROM DRIVEWAY
	REMOVAL & DISPOSAL OF CUT BRUSH		FLOW DIRECTION
	EXISTING MONUMENTS TO BE REMOVED		PIPE INDICATOR
	DRIVEWAY TYPE 'A' OR 'B'		TEMPORARY CHECK DAM
	SILT FENCE		APPROACH INDICATOR



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 Thu, 31/Mar/05 09:40AM dastevens
 TAB: F6

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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: R. KRAEMER

DESIGNED BY: T. MOORE
 DRAWN BY: D. STEVENS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15

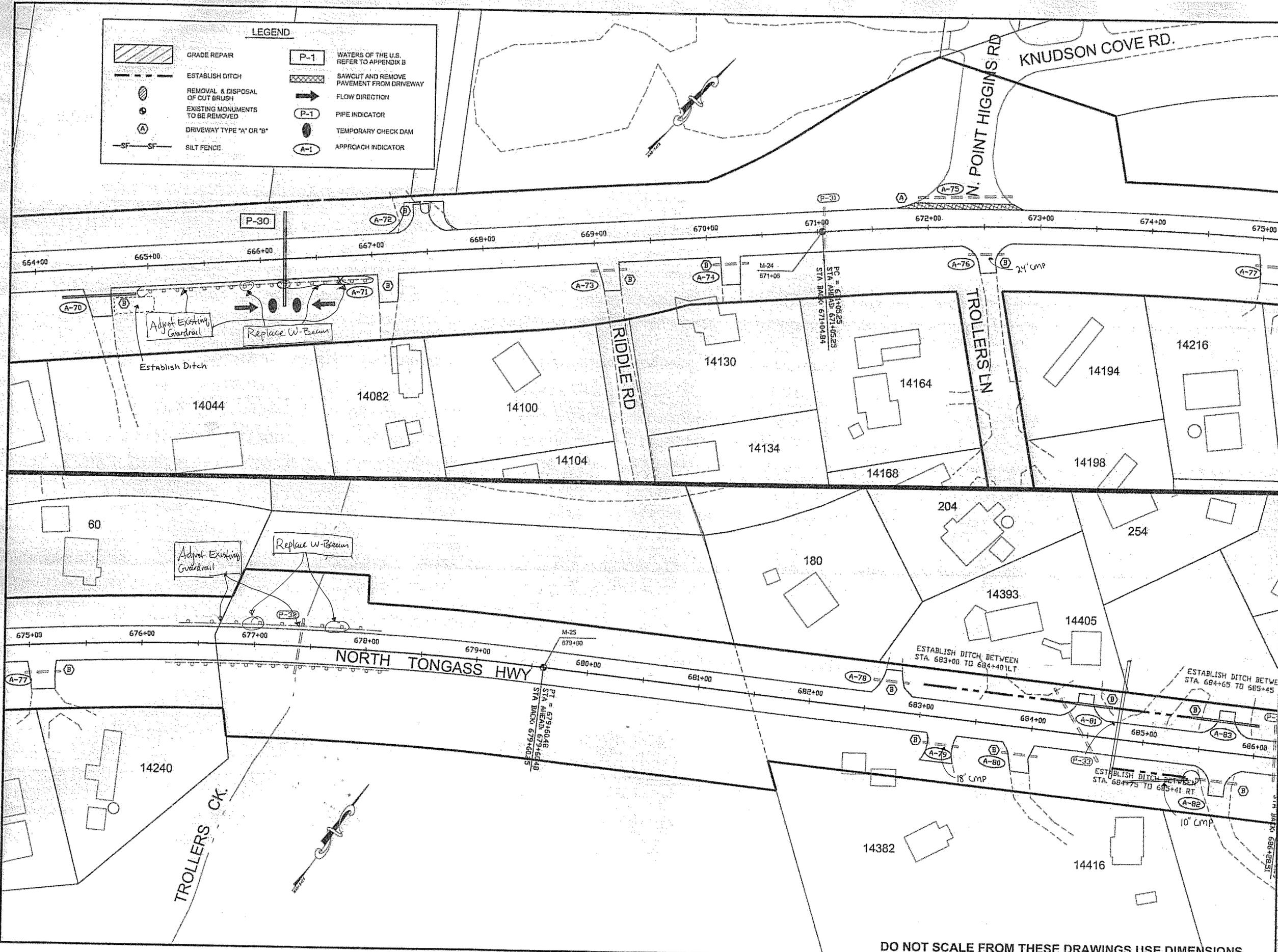
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PROJECT DESIGNATION
STP-000S(491)68062

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F6	XX

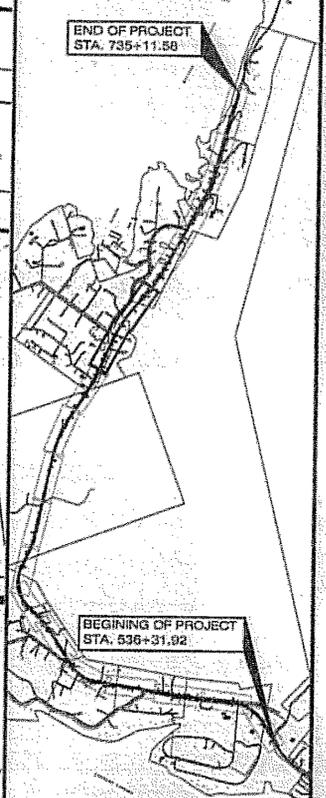
LEGEND

	GRADE REPAIR		WATERS OF THE U.S. REFER TO APPENDIX B
	ESTABLISH DITCH		SAWCUT AND REMOVE PAVEMENT FROM DRIVEWAY
	REMOVAL & DISPOSAL OF CUT BRUSH		FLOW DIRECTION
	EXISTING MONUMENTS TO BE REMOVED		PIPE INDICATOR
	DRIVEWAY TYPE "A" OR "B"		TEMPORARY CHECK DAM
	SILT FENCE		APPROACH INDICATOR



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 Fri, 25 Mar 05 02:09PM dsStevens
 TAB: 07

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: R. KRAEMER

DESIGNED BY: T. MOORE
 DRAWN BY: D. STEVENS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

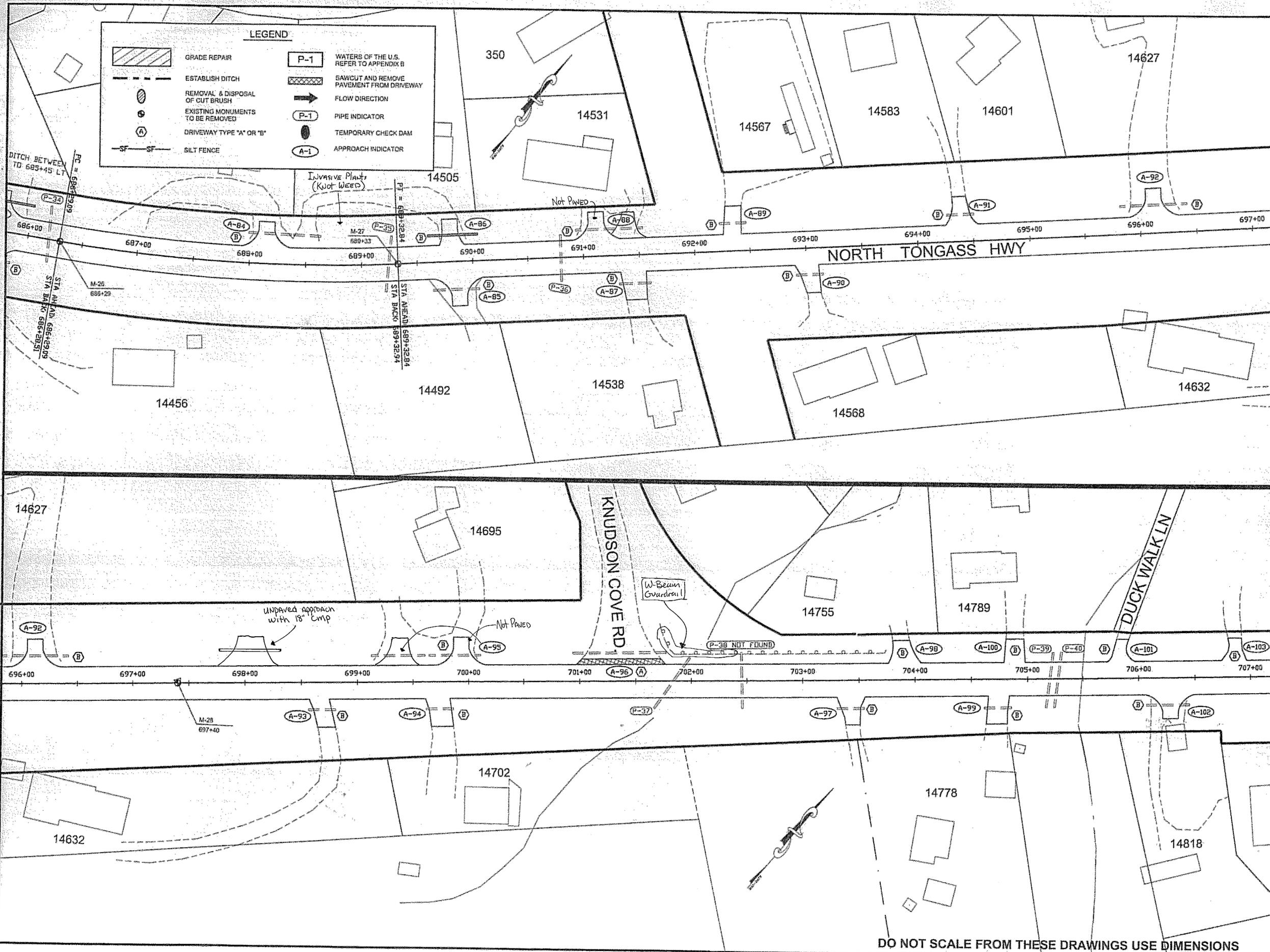
**KETCHIKAN
 NORTH TONGASS HIGHWAY
 WHIPPLE CREEK TO MP 15**

PLAN

PROJECT DESIGNATION:
STP-000S(491)\68062

STATE:	YEAR:
ALASKA	2005
SHEET NUMBER:	TOTAL SHEETS:
F7	XX

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

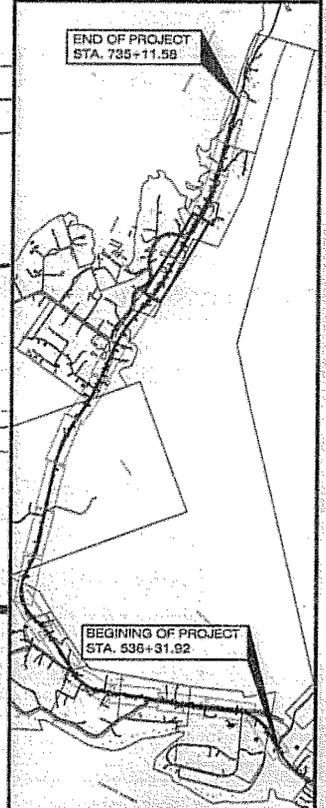


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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: R. KRAEMER

4/6/05

DESIGNED BY: T. MOORE

DRAWN BY: D. STEVENS

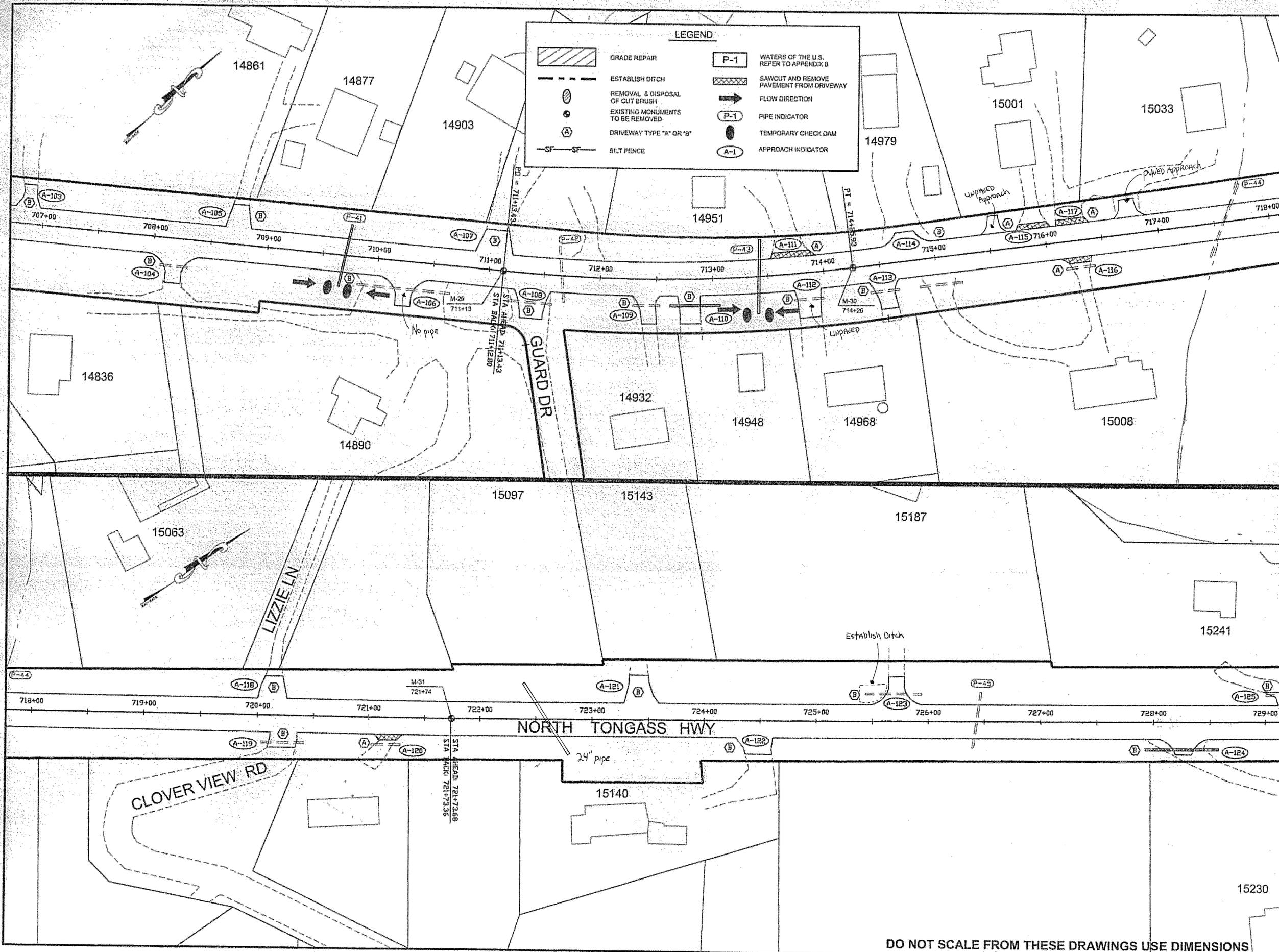
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES
DIVISION

**KETCHIKAN
NORTH TONGASS HIGHWAY
WHIPPLE CREEK TO MP 15**

PLAN

PROJECT DESIGNATION	
STP-000S(491)68062	
STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F8	XX

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

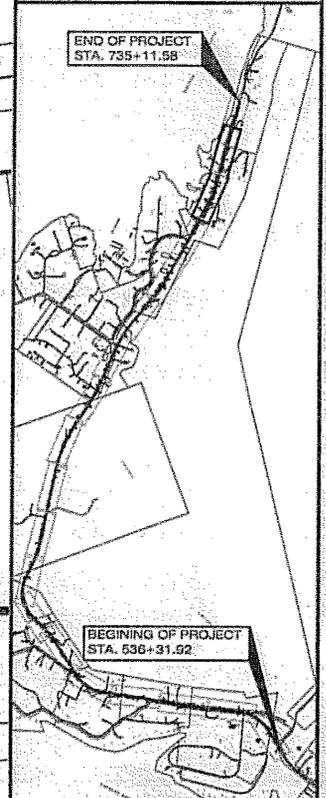


LEGEND

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	ESTABLISH DITCH		SAWCUT AND REMOVE PAVEMENT FROM DRIVEWAY
	REMOVAL & DISPOSAL OF CUT BRUSH		FLOW DIRECTION
	EXISTING MONUMENTS TO BE REMOVED		PIPE INDICATOR
	DRIVEWAY TYPE "A" OR "B"		TEMPORARY CHECK DAM
	SILT FENCE		APPROACH INDICATOR

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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: R. KRAEMER

DESIGNED BY: T. MOORE
 DRAWN BY: D. STEVENS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION

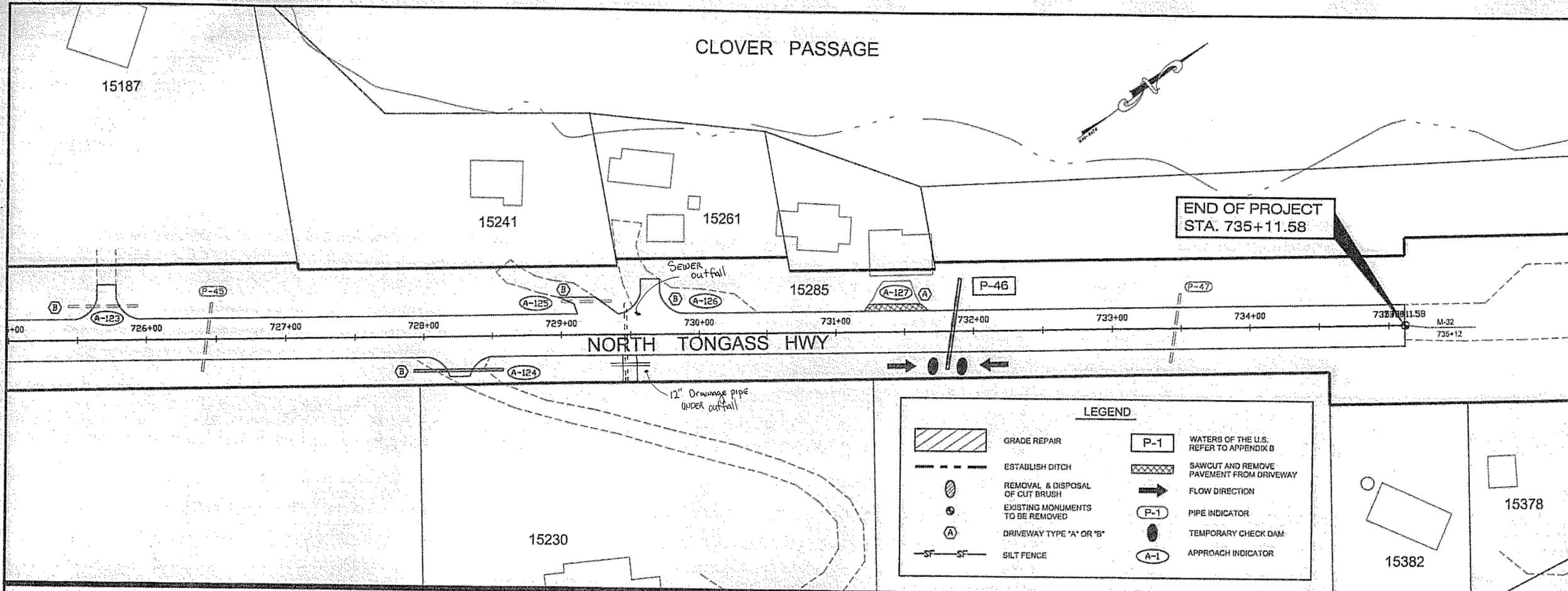
**KETCHIKAN
 NORTH TONGASS HIGHWAY
 WHIPPLE CREEK TO MP 15**

PLAN

PROJECT DESIGNATION:
STP-000S(491)68062

STATE	YEAR
ALASKA	2005
SHEET NUMBER	TOTAL SHEETS
F9	XX

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



LEGEND

	GRADE REPAIR		WATERS OF THE U.S. REFER TO APPENDIX B
	ESTABLISH DITCH		SAWCUT AND REMOVE PAVEMENT FROM DRIVEWAY
	REMOVAL & DISPOSAL OF CUT BRUSH		FLOW DIRECTION
	EXISTING MONUMENTS TO BE REMOVED		PIPE INDICATOR
	DRIVEWAY TYPE "A" OR "B"		TEMPORARY CHECK DAM
	SILT FENCE		APPROACH INDICATOR

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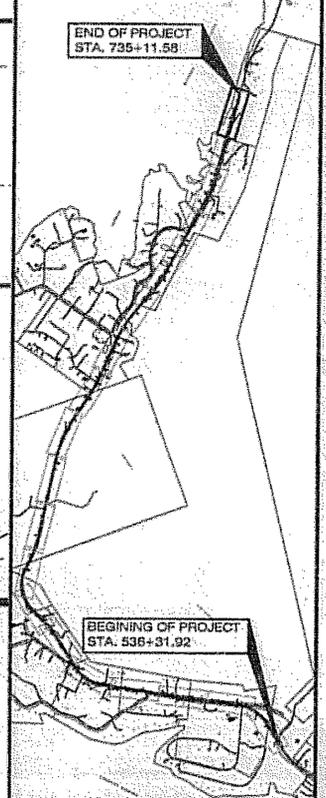
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: R. KRAEMER

DESIGNED BY: T. MOORE

DRAWN BY: D. STEVENS

STATE OF ALASKA
 49th
 Russell P. Kraemer
 CE-10478
 REGISTERED PROFESSIONAL ENGINEER

4/6/05

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 S.E. REGION DESIGN & ENGINEERING SERVICES
 DIVISION

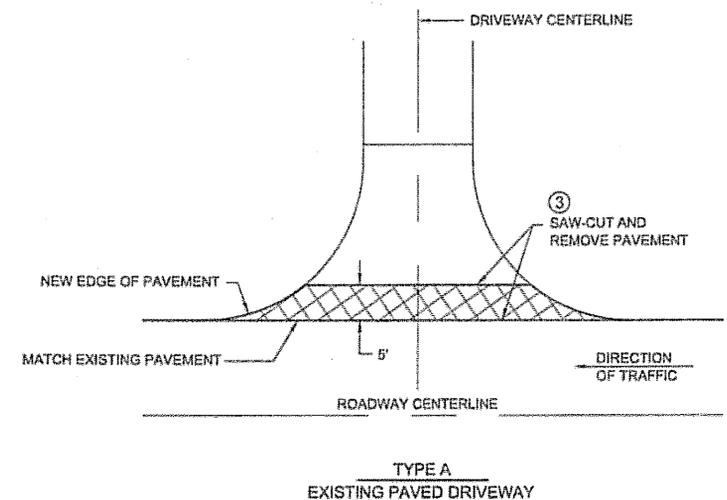
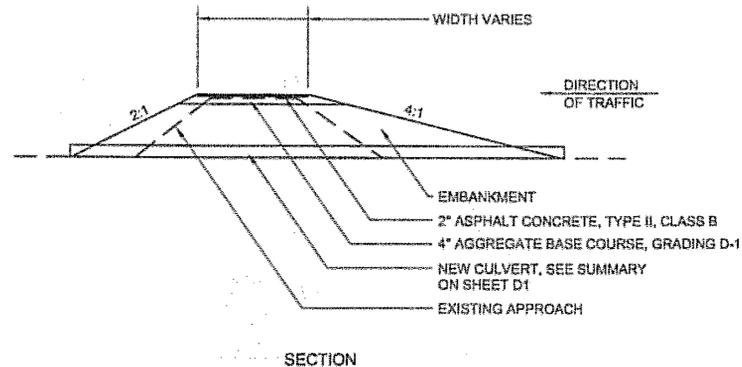
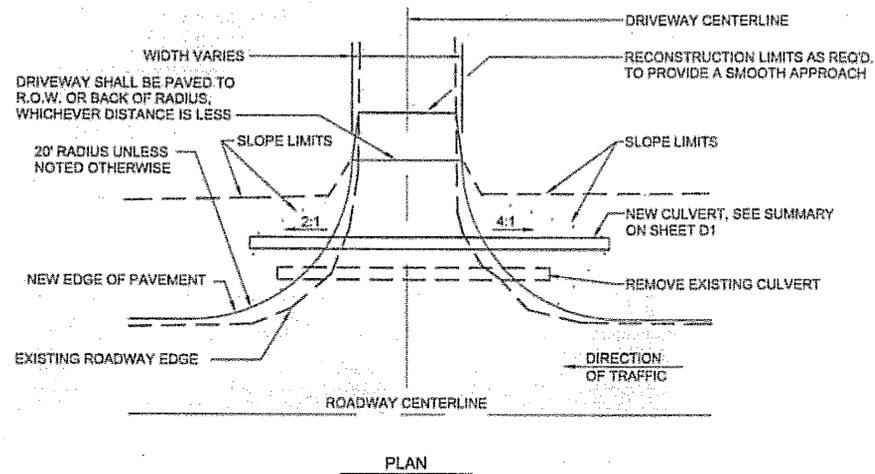
**KETCHIKAN
 NORTH TONGASS HIGHWAY
 WHIPPLE CREEK TO MP 15**

PLAN

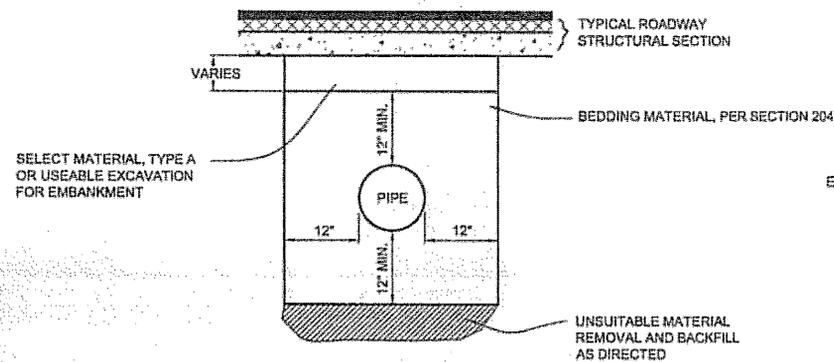
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STATE	YEAR
ALASKA	2005
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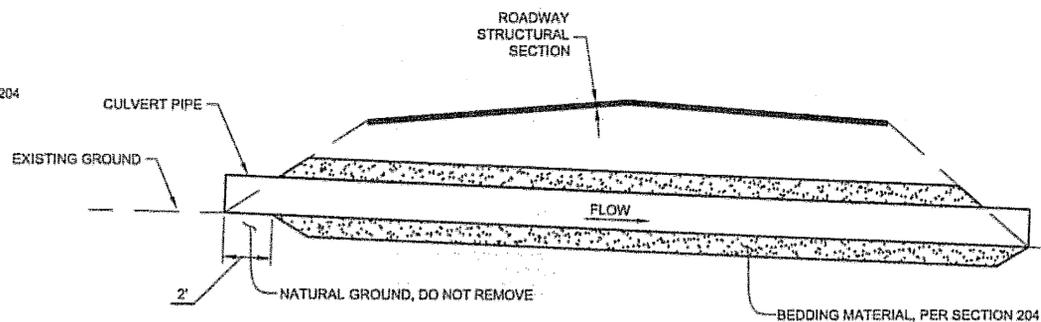
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



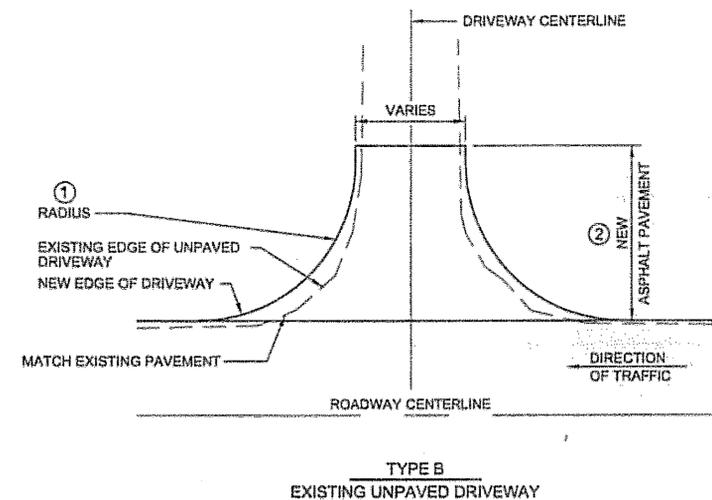
APPROACH AND DRIVEWAY DETAILS



TYPICAL PIPE TRENCHING & BEDDING DETAIL



TYPICAL PIPE TRENCHING & BEDDING DETAIL
N.T.S.

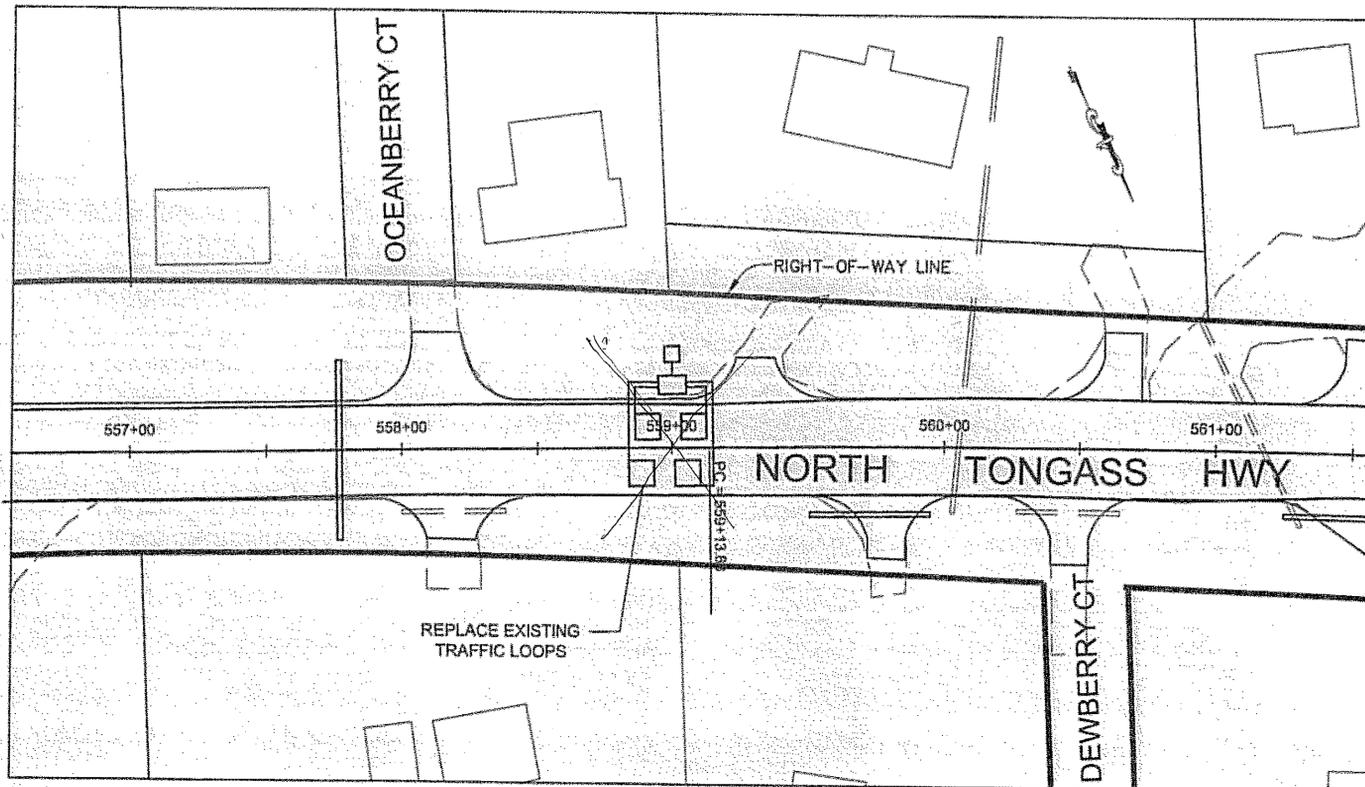


DRIVEWAY DETAILS

- NOTES:**
- ① 20' RADIUS UNLESS NOTED OTHERWISE.
 - ② DRIVEWAY SHALL BE PAVED TO R.O.W. OR BACK OF RADIUS, WHICHEVER DISTANCE IS LESS.
 - ③ IN LIEU OF SAW CUTTING AND PAVEMENT REMOVAL, TAPER PLANING DRIVEWAY PAVEMENT TO FORM A BUTT JOINT IS ACCEPTABLE. SAW CUTS AND PAVEMENT REMOVAL OR TAPER PLANING IS SUBSIDIARY TO OTHER ITEMS OF WORK.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. KRAEMER  DESIGNED BY: T. MOORE DRAWN BY: D. STEVENS		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15		
PATH: Q:\Win68062\DRJ_MiscDets.dwg TAB: J1 Date: 05/Apr/05 08:02AM		MISCELLANEOUS CONSTRUCTION DETAILS		
PROJECT DESIGNATION: STP-000S(491)68062		YEAR: 2005	SHEET NO.: J1	TOTAL SHEETS: XX



PROJECT SITE PLAN

NTS

GENERAL NOTES:

1. INSTALLATION OF EQUIPMENT AND MATERIALS SHALL CONFORM TO APPLICABLE REQUIREMENTS OF THE CURRENT NEC, ALASKA DOT/PF STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.
2. EVERY EFFORT HAS BEEN MADE TO MAKE THE INFORMATION CONTAINED IN THESE DOCUMENTS COMPLETE AND ACCURATE, HOWEVER THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SITE CONDITIONS AND DIMENSIONS.
3. USE ONLY RMC CONDUIT EXCEPT FOR THE POLYVINYL CHLORIDE (PVC) LOOPS.
4. ALL CONSTRUCTION SHALL BE WITHIN STATE RIGHT-OF-WAY.
5. THE CONTRACTOR SHALL MARK THE TRENCH PLACING WARNING TAPE OVER UNDERGROUND CONDUIT.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR CONNECTING THE NEW LOOPS TO THE TRAFFIC COUNTER IN THE SAME CONFIGURATION AS THE EXISTING TRAFFIC COUNT LOOPS.

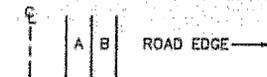
LABELS

ALL CABLES SHALL BE LABELED AT BOTH ENDS AND AT EVERY JUNCTION BOX THROUGH WHICH THE CABLES PASS, PER SPECIFICATION SECTION 660-3.05.

ALL WIRE PAIRS SHALL BE LABELED AT THE TERMINAL BLOCK AND AT ANY LOOSE ENDS.

THE CONVENTIONS BELOW SHALL APPLY TO DESIGNATING AND LABELING CABLES AND WIRE PAIRS.

LANES: TRAFFIC LANES AND THEIR RESPECTIVE LOOPS AND SENSORS SHALL BE LABELED FROM THE OUTSIDE EDGE OF THE ROAD TOWARD THE CENTER AS FOLLOWS:



TERMINAL BLOCKS: WIRES FROM SENSORS PLACED IN LANES WHICH ARE CLOSED TO THE CONTROL BOX SHALL BE PLACED AT THE LEFT OR AT THE TOP OF THE TERMINAL BLOCK, DEPENDING ON ORIENTATION.

WIRES FOR INDUCTIVE LOOP, SENSORS AND RESERVES SHALL BE LABELED AS FOLLOWS:

PnDLc

WHERE:

- P IS THE PREFIX:
 - V = TRAFFIC VOLUME LOOP
 - Ga = AUTOMATIC VEHICLE CLASSIFICATION (AVC) SENSOR
- N NUMBER SUFFIX FOR MULTIPLE LOOPS IN THE SAME LANE
- D DIRECTION (N,S,E,W)
- L IS THE PREFIX FOR ROAD DESIGNATION:
 - L = LANE*
 - LP = LOOP **

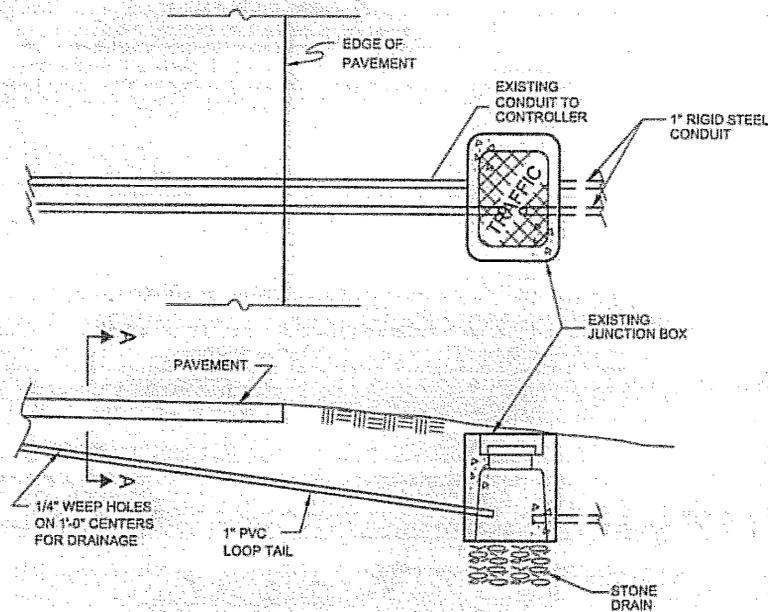
- (X) - CONDUIT REFERENCE NUMBER
- RMC - RIGID METAL CONDUIT
- IMC - INTERMEDIATE METAL CONDUIT

REFERENCE SPECIFICATIONS

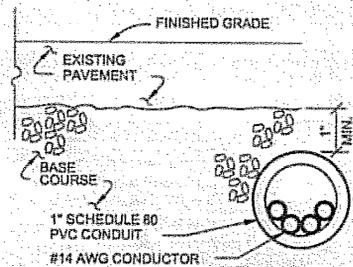
ALL WIRING IN THIS SECTION SHALL BE CONSTRUCTED PER SPECIFICATION SECTION 660 AND 740 SIGNALS AND LIGHTING, EXCEPT WHERE NOTED ON THE PLANS OR IN THE SPECIAL PROVISIONS. IN PARTICULAR, ALL CONSTRUCTION SHALL CONFORM TO SPECIFICATION SECTIONS 660-2.05 CONDUIT, 660-2.05 JUNCTION BOXES, 660-2.08 CONDUCTORS, 660-2.09(A) WIRING, 660-2.10 BONDING AND GROUNDING, AND 660-3.01 FIELD TESTS, EXCEPT AS MODIFIED BY SECTION 669 AUTOMATED TRAFFIC RECORDERS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. KRAEMER		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION	
		KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15	
		* Not Constructed YB	
DESIGNED BY: T. MOORE		PTR SITE LAYOUT	
DRAWN BY: D. STEVENS			
PATH: Q:\k\68062\DR\PTR.dwg			
TAB: LAYOUT		Fri, 25 Mar 05 02:57 PM dastevens	
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	SHEET NO.
			TOTAL SHEETS
		STP-000S(491)\68062	2005 Q1 XX



CONNECTION TO EXISTING JUNCTION BOX



CONDUIT DETAIL SECTION A-A

INDUCTIVE LOOPS

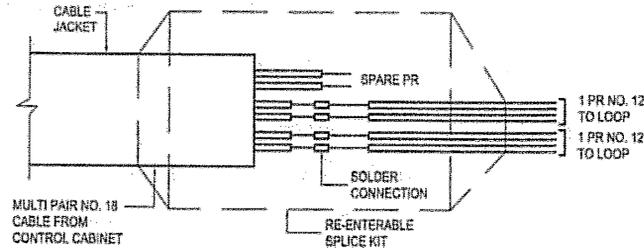
ALL INDUCTIVE LOOPS SHALL BE WOUND IN THE SAME DIRECTION WITH THE STARTING LEAD MARKED "S" PER SECTION 660-3.05.

LEAD-IN WIRES FOR EACH LOOP SHALL BE IN SEPARATE CONDUITS TO THE FIRST JUNCTION BOX. THESE CONDUITS SHALL BE SEPARATED FROM OTHER LOOPS BY A MINIMUM OF 12".

INDUCTIVE LOOPS SHALL BE INSTALLED IMMEDIATELY PRIOR TO PAVING THIS SECTION OF ROADWAY. FINAL LIFT ASPHALT PAVEMENT SHALL BE SMOOTH OVER ALL INDUCTIVE LOOPS AND WITHOUT TRANSVERSE SEAMS, JOINTS, OR ROUGHNESS WITHIN 50' OF THE LOOPS.

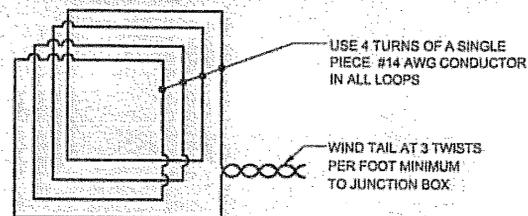
SHEET NOTES

1. INDUCTION LOOPS TO BE CENTERED IN TRAFFIC LANES.
2. DIMENSIONS ARE TYPICAL FOR ALL LANES.



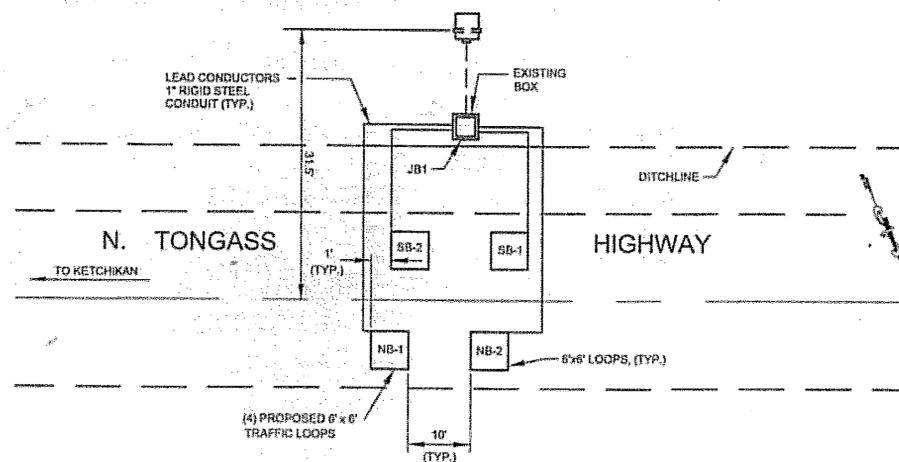
TYPICAL SPLICE DETAIL

- NOTES:
1. SCHEMATIC SKETCH SHOWS AN EXAMPLE OF TWO PAIRS USED WITH ONE SPARE.
 2. TERMINATE ALL SPARES WITHIN THE SPLICE BODY.
 3. SPLICE BODY TO ENCLOSE ALL CABLE JACKETS.
 4. SOLDER CONNECTIONS. DO NOT USE COMPRESSION CONNECTORS WRAP EACH CONDUCTOR OVER OTHER CONDUCTOR BEFORE SOLDERING.
 5. USE COMMERCIAL SPLICE KITS SIMILAR OR EQUAL TO 3M PRODUCTS, TYPE 82-F1.



LOOP WIRING DETAIL

TYPICAL PVC CONDUIT ENCASED LOOP DETECTOR INSTALLATION



PLAN TRAFFIC COUNTER TYPICAL

N.T.S.

GENERAL NOTES

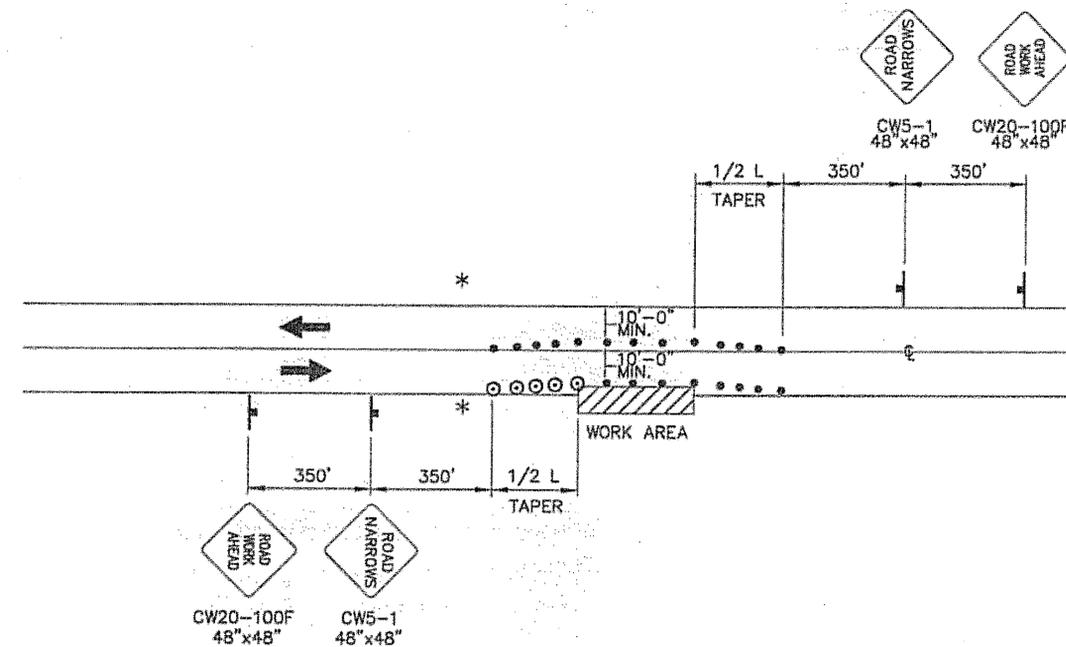
1. EACH LOOP DETECTOR SHALL CONSIST OF A SINGLE PIECE OF #14 AWG CONDUCTOR INSTALLED IN 1" SCHEDULE 80 PVC CONDUIT. FORM ALL LOOPS 6'-0" SQUARE. SOLVENT WELD ALL PVC TO PVC JOINTS. USE TYPE X OUTLET BODIES THAT ARE MADE OF HOT DIP GALVANIZED STEEL TO JOIN THE LOOPS AND TAILS.
2. INSTALL 4 TURNS OF CONDUCTOR IN ALL LOOPS AND PROVIDE TAILS THAT EXTEND TO THE JUNCTION BOX SPECIFIED ON THE PLANS. USE #14 AWG CONDUCTOR IN A POLYETHYLENE TUBE CONFORMING TO IMSA SPECIFICATION 51-5. WIND THE TAIL CONDUCTORS TOGETHER AT A RATE OF 3 TWISTS PER FOOT.
3. INSTALL ALL LOOP DETECTORS PRIOR TO OVERLAYING EXISTING PAVEMENT OR PAVING A NEW ROADWAY.
4. INSTALL ALL LOOP DETECTORS SLOPED TO DRAIN INTO THE JUNCTION BOX THE LOOP TAIL ENTERS.
5. 12" MINIMUM CLEARANCE IS REQUIRED BETWEEN A LOOP AND A TAIL OR BETWEEN TAILS. LOOP TAILS SHALL NOT CROSS LOOP CONDUITS.
6. TEST ALL LOOP DETECTORS FOR CONTINUITY AND INSULATION INTEGRITY PRIOR TO SEALING THE LOOPS UNDER ASPHALT.
7. WHEN INSTALLING LOOP DETECTORS IN EXISTING PAVEMENT, CUT THE ASPHALT WITH A SAW AND REMOVE ALL ASPHALT WITHIN THE SAW CUT. MATCH EXISTING PAVEMENT THICKNESS WHEN REPAIRING THE CUTOUT.
8. WHERE EXISTING PAVEMENT WILL NOT BE OVERLAID, ENCLOSE ALL LOOPS THAT ENTER A COMMON JUNCTION BOX WITHIN A TRAPEZOIDAL SAW CUT. CUT TO WITHIN 12" OF THE LANE AND EDGE LINES, PRESERVING THESE PAVEMENT MARKINGS; REMOVE THE ASPHALT TO THE LIP OF THE GUTTER WHEN THERE ARE NO EDGE LINES. CUT ACROSS LANE LINES WHEN LOOPS IN ADJACENT LANES ARE SIDE BY SIDE. CUT TRENCHES A MINIMUM OF 3 FEET WIDE WHEN INSTALLING LOOP TAILS ACROSS A LANE; TRENCHES CROSSING A SHOULDER ONLY MAY BE A MINIMUM 12" WIDE.
9. HEAT AND TACK GOAT THE EDGES OF EXISTING PAVEMENT PRIOR TO PAVING THE CUTOUTS. COMPACT THE ASPHALT MIXTURE WITH A SELF PROPELLED STEEL WHEELED ROLLER. THE ASPHALT MIX SHALL CONFORM TO SECTION 401 OF THE SPECIFICATIONS, AND APPROVED FOR USE BY THE ENGINEER.
10. MAINTAIN THE REPLACEMENT ASPHALT MIX AT A TEMPERATURE OF 225° F UNTIL THE TIME OF APPLICATION; IF NECESSARY, STORE THE MIX IN AN INSULATED BOX TO MAINTAIN THE SPECIFIED TEMPERATURE.
11. TO ESTABLISH THE REFERENCE LINES, EXTEND THE RIGHT EDGES OF THE OUTERMOST THROUGH LANES ACROSS THE INTERSECTION. IF THE ROADWAY GEOMETRY IS CURVED, EXTEND THE CURVE THROUGH THE INTERSECTION.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. KRAEMER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15 <i>NOT Constructed</i> PTR-LOOP DETECTOR DETAILS				
DESIGNED BY: T. MOORE DRAWN BY: D. STEVENS		PATH: Q:\98\88962\01\PTR.dwg TAB: DETAILS 4/25/05 02:57PM				
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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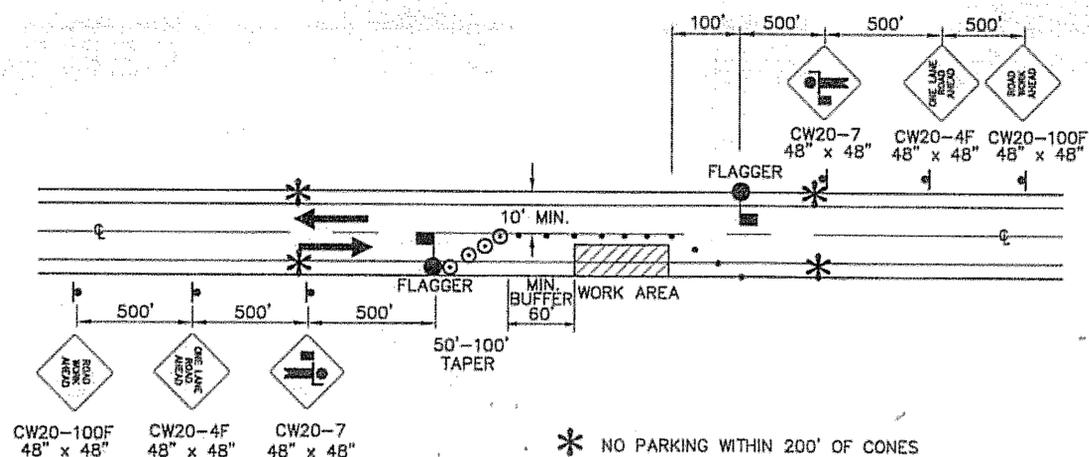
TRAFFIC CONTROL NOTES

1. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES, THROUGH ALL WORK AREAS.
2. TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORK HOURS. UNLESS AN APPROVED TRAFFIC CONTROL SIGNAL HAS BEEN INSTALLED.
3. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
4. CONSTRUCTION SIGNING SHALL BE IN PLACE ONLY WHEN THE CONDITIONS EXIST FOR WHICH THE SIGNS ARE INTENDED. CONSTRUCTION SIGNS SHALL BE PLACED SUCH THAT THEY DO NOT OBSCURE EXISTING TRAFFIC SIGNS.
5. WORK ZONE DOUBLE TRAFFIC FINES SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER AND PER STANDARD DRAWING C-04.12.
6. WARNING LIGHTS SHALL BE USED ON ALL CHANNELIZING DEVICES PLACED ALONG OR AROUND ROADWAY HAZARDS AS DIRECTED BY THE ENGINEER.
7. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE PORTIONS OF DETAILS ON THESE SHEETS.
8. MAXIMUM LENGTH OF CONSTRUCTION WITH ONE-LANE ROAD CLOSURE IS 1000'.



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS AFFECTED 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 SHALL BE DELETED.



TWO LANE ROAD - SINGLE LANE CLOSURE

Double Flagger

LEGEND

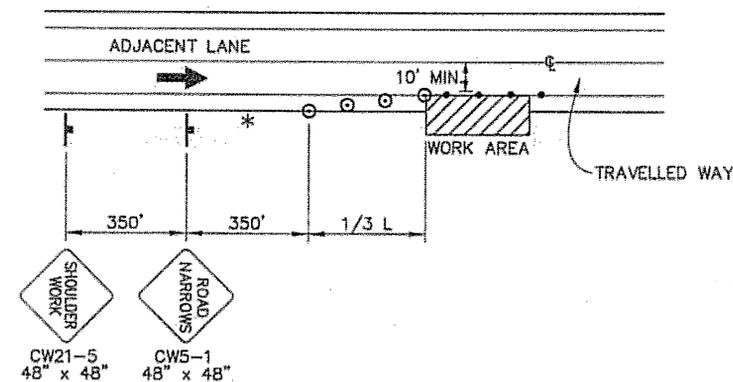
- SIGN
- CONE
- ⊙ DRUM
- TYPE III BARRICADE
- FLAGGING STATION

WHERE

- L = LENGTH OF TAPER
- W = WIDTH OF OFFSET
- T = TAPER RATE
- $L = W \times T$

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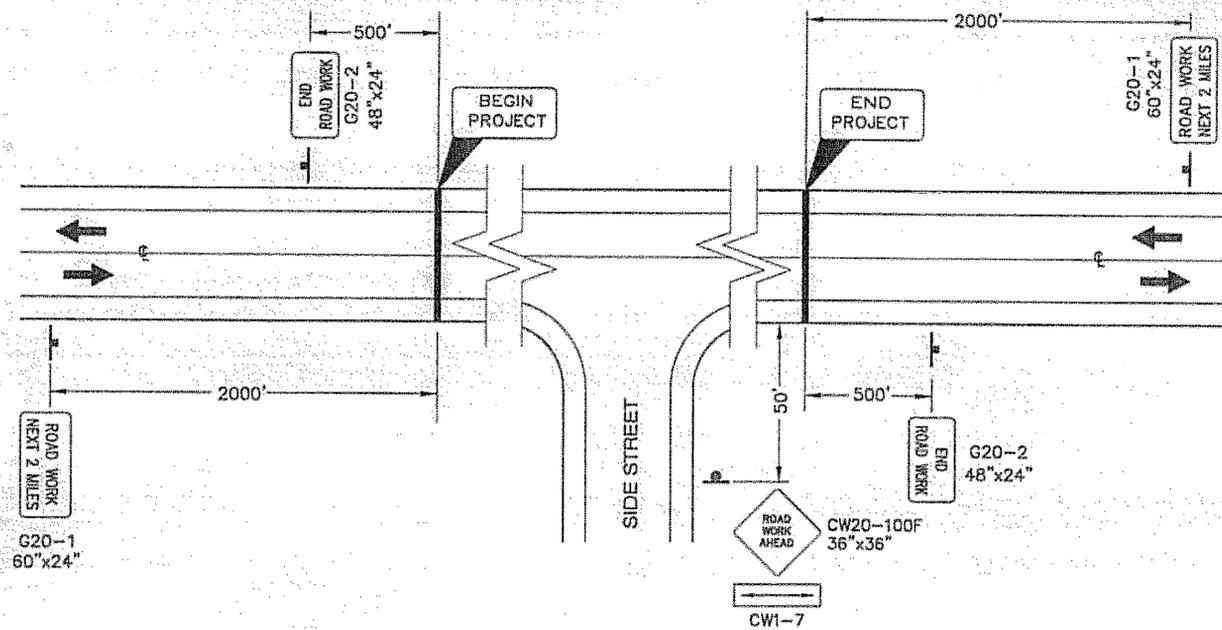
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40	170	40	30:1
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50	280	50	50:1
55	335	55	55:1
60	415	60	60:1
65	485	65	65:1



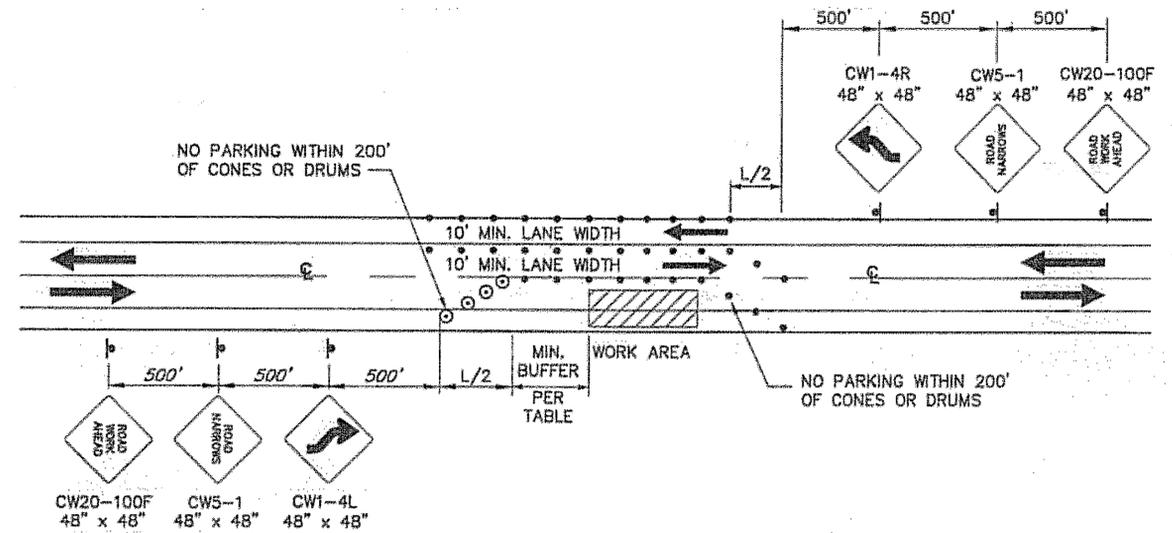
SHOULDER WORK

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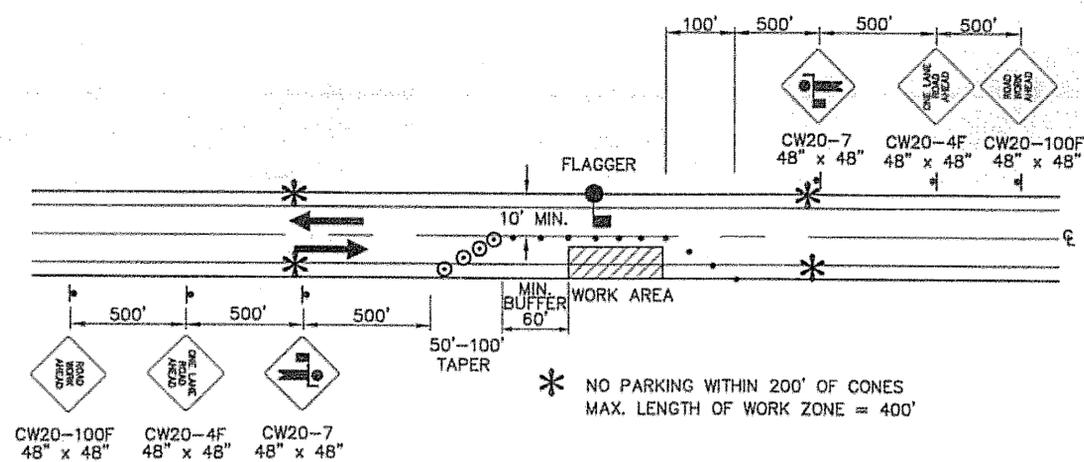
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DESIGNED BY: R. PURVES		KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15	
DRAWN BY: D. STEVENS		TRAFFIC CONTROL PLAN	
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TAB: S1		YEAR	
REVISIONS		SHEET NO.	
NO. DATE DESCRIPTION		TOTAL SHEETS	
STP-00S(491)\68062		2005 S1 XX	



PERMANENT CONSTRUCTION SIGNING



TWO-WAY TRAFFIC



TWO LANE ROAD - SINGLE LANE CLOSURE
Single Flagger

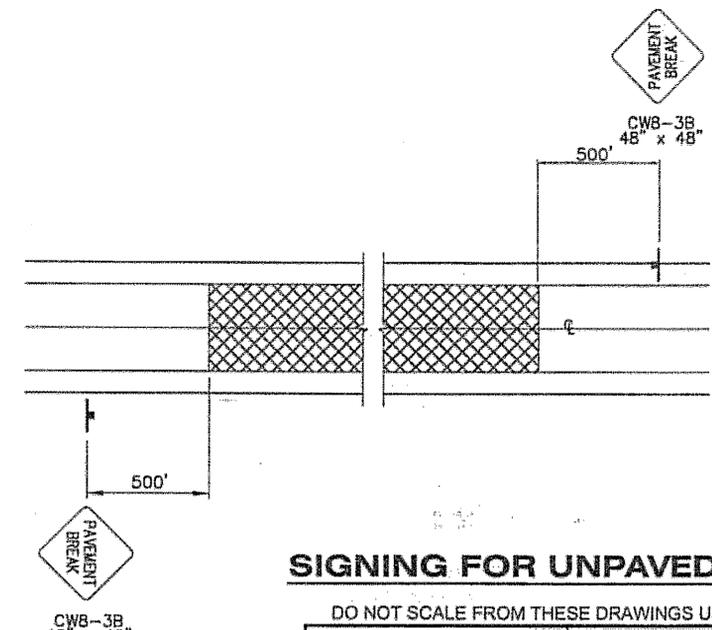
LEGEND

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

WHERE
 L = LENGTH OF TAPER
 W = WIDTH OF OFFSET
 T = TAPER RATE
 L = W x T

TCP TABLE SETUP

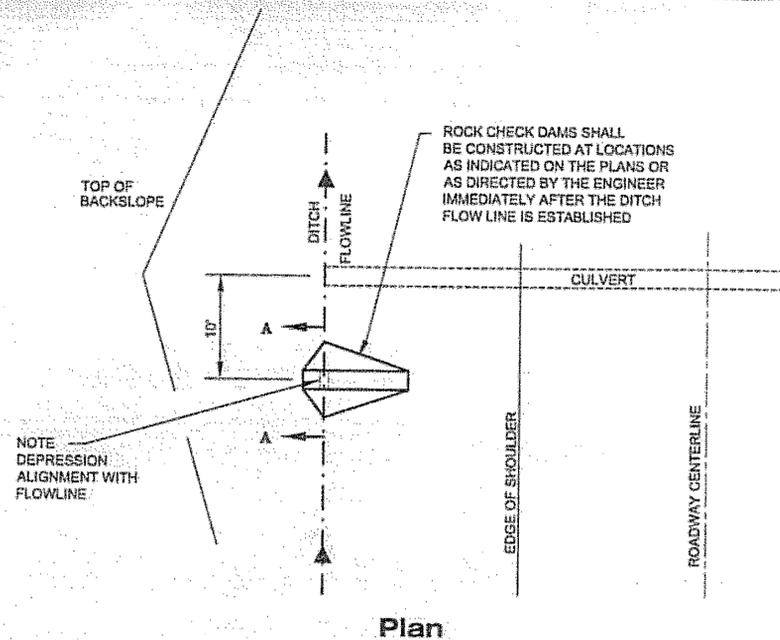
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40	170	40	30:1
45	220	45	45:1
50	280	50	50:1
55	335	55	55:1
60	415	60	60:1
65	485	65	65:1



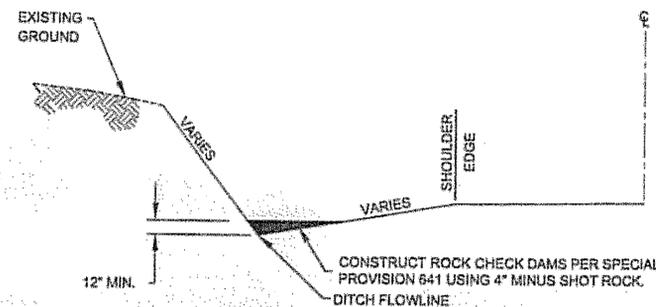
SIGNING FOR UNPAVED AREA

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

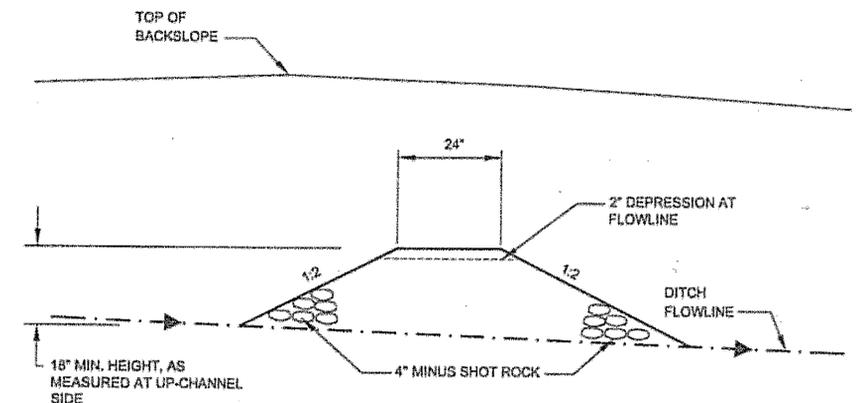
CHECKED BY: R. KRAEMER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15				
DESIGNED BY: R. PURVES DRAWN BY: D. STEVENS PATH: G:\k168062\DRG5_TCP.dwg TAB: S2 Date: 05/Apr/05 08:33AM		TRAFFIC CONTROL PLAN				
NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			STP-000S(491)\68062	2005	S2	XX



Plan



Elevation



Section A-A

TEMPORARY CHECK DAM DETAILS

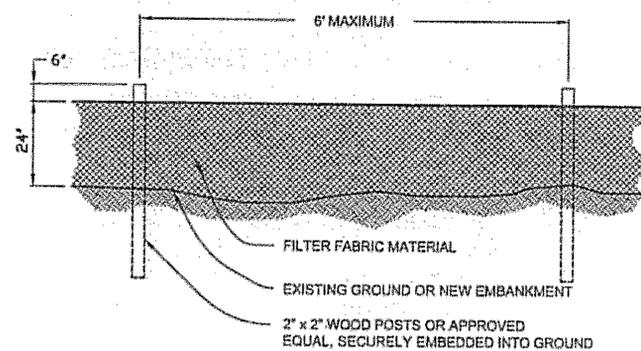
IMPACTS	
NO	WETLANDS
NO	IMPAIRED WATERS
NO	TMDL WATERS
NO	ENDANGERED SPECIES
NO	HISTORIC PLACES

NOTE: REFER TO ENVIRONMENTAL COMMITMENTS IN APPENDIX B.

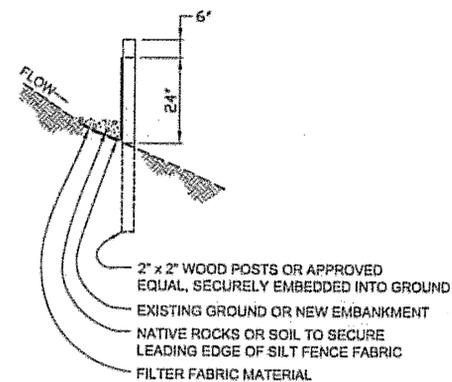
LOCATION	AREA
PROJECT AREA	26.00 ACRES
DISTURBED AREA	9.75 ACRES

NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL DEVICES FOR EARTH DISTURBING ACTIVITIES.
2. MAINTAIN DEVICES. MONITOR DAILY. EXCAVATE CHECK DAMS WHEN 4" OR MORE SEDIMENT.
3. IF INSPECTION REVEALS SEDIMENT BORN WATER IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL CHECK DAMS MAY BE REQUIRED.
4. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING OR OTHER EFFECTIVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE GRADED AND SEEDED AREAS HAVE ACHIEVED 70% VEGITATIVE COVER.
5. REFER TO PLAN SHEETS FOR LOCATION OF CHECK DAMS.



Elevation



Section

SILT FENCE DETAILS

NOTES:

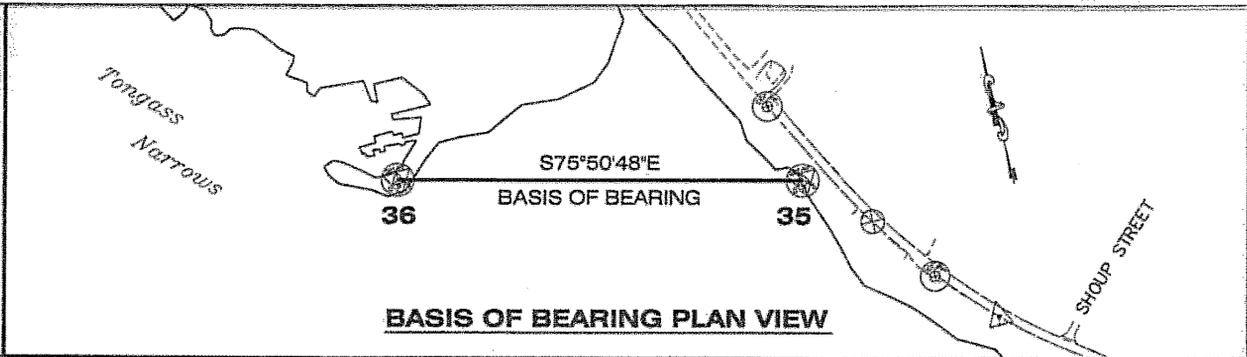
1. PLACE SILT FENCE AS SHOWN IN STANDARD DRAWING E-13.00.
2. PLACE SILT FENCE ALONG GRADE REPAIR AREA, AS SHOWN IN PLANS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS.

CHECKED BY: R. KRAEMER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15	
DESIGNED BY: T. MOORE DRAWN BY: D. STEVENS		EROSION & SEDIMENT CONTROL PLAN DETAILS	
PATH: Q:\ml68062\DR1_ESCP Deta.dwg TAB: ESCP DETS Thu, 31/Mar/05 10:10AM ddstevens		PROJECT DESIGNATION: STP-000S(491)\68062 YEAR: 2005 SHEET NO.: T1 TOTAL SHEETS: XX	

NOTE:

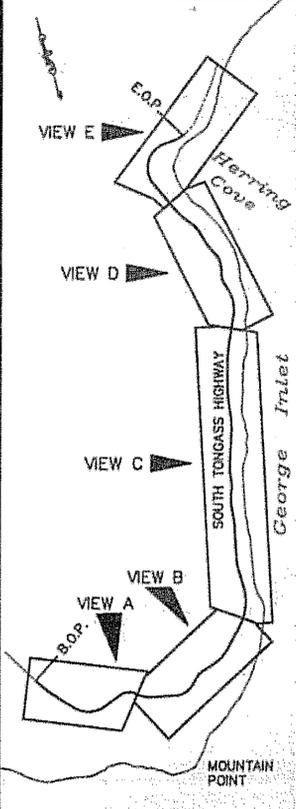
Whether listed or not, all monuments or property markers or accessories which will be disturbed or buried shall be referenced prior to being disturbed and re-established in their original position and a record of monument form in accordance with A.S. 34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort. Horizontal and vertical control notes are on sheet A3.



BASIS OF BEARING PLAN VIEW

PATH:
Q:\ktn\68326\Planset\A2_Control.dwg
Tue, 05/Apr/05 12:10PM rksnyder
TAB: A2

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: R. MURPHY



DESIGNED BY: T. REED

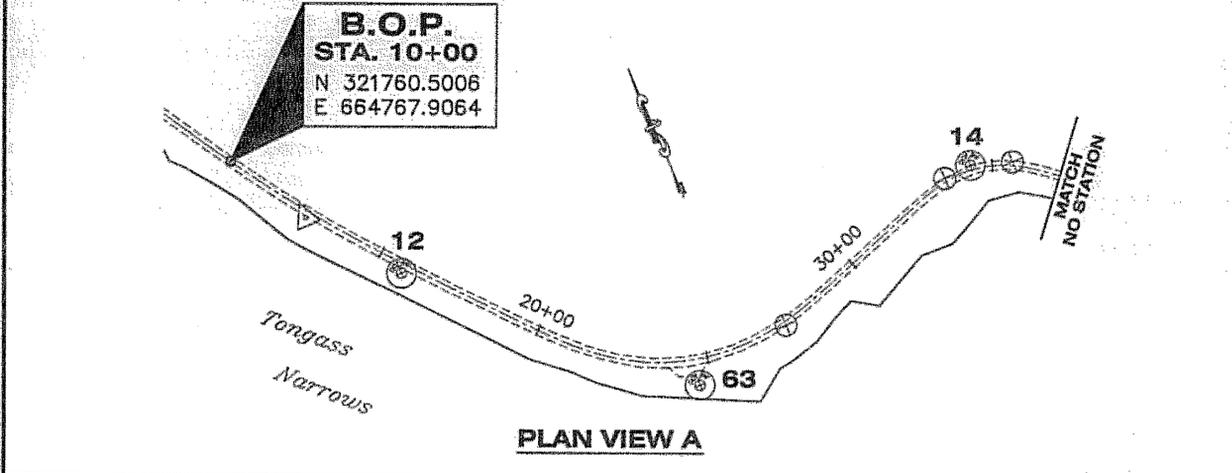
DRAWN BY: R. SNYDER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION
**SOUTH TONGASS HWY.
MT. POINT TO HERRING COVE
PAVEMENT REFURBISHMENT**

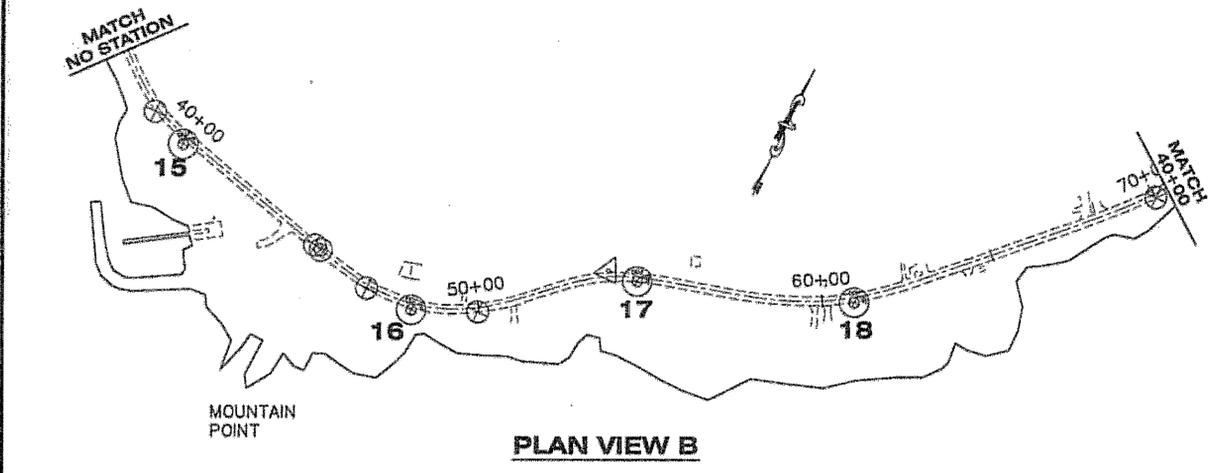
SURVEY CONTROL PLAN

PROJECT DESIGNATION
IM-0902(30)-68326

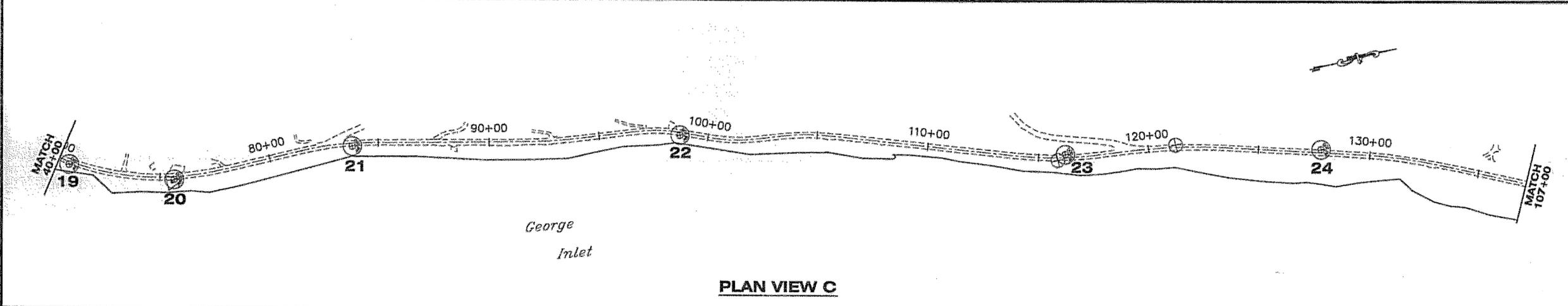
STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
A2	XX



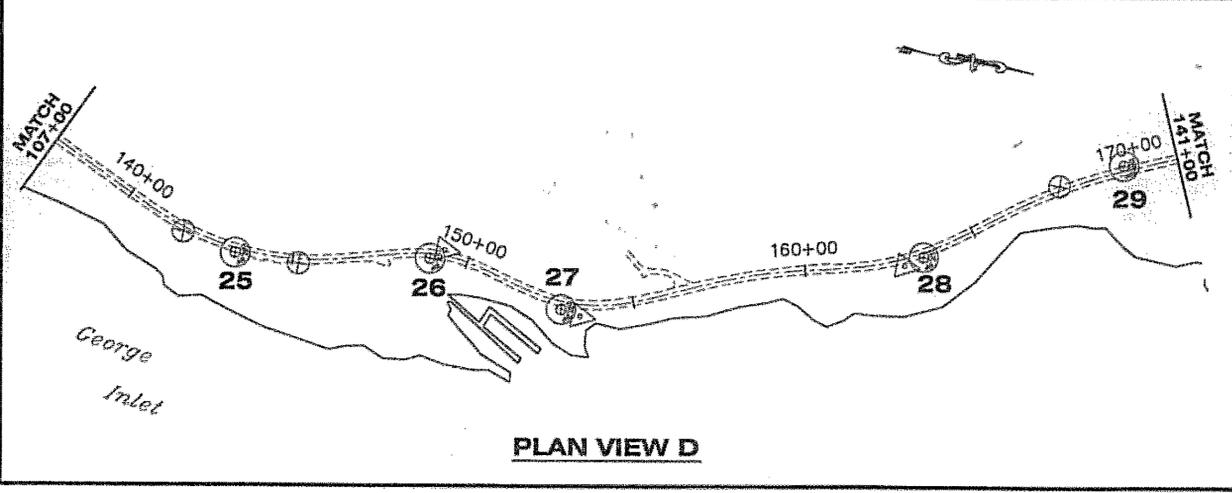
PLAN VIEW A



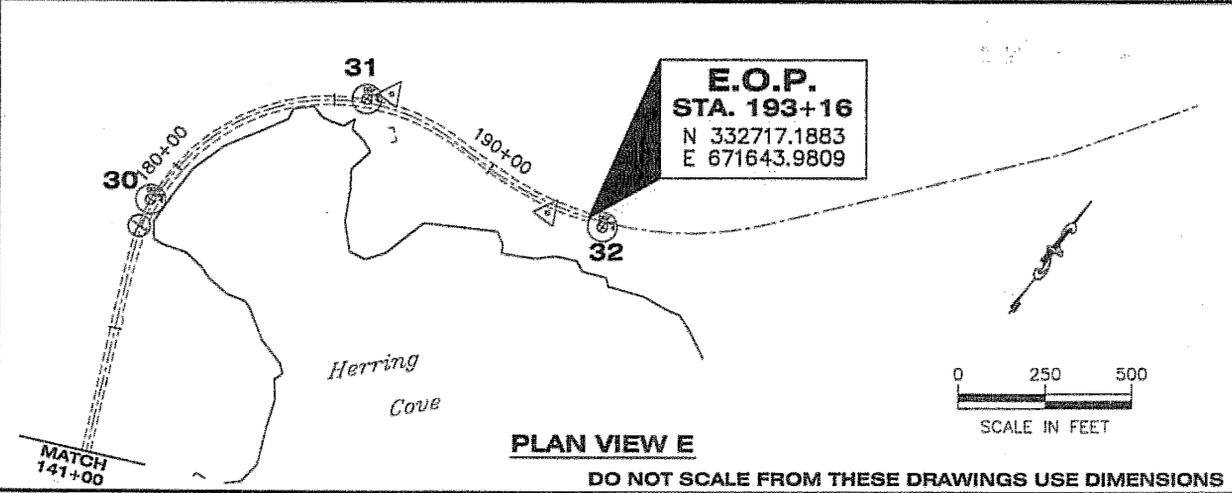
PLAN VIEW B



PLAN VIEW C



PLAN VIEW D



PLAN VIEW E

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

HORIZONTAL CONTROL

Horizontal Control for this project is based on the DOT/PF Ketchikan South Tongass Grid 2000. The intent of this local ground distance based coordinate system is to relate it to Alaska State Plane while preserving ground distances.

The DOT/PF Ketchikan South Tongass Grid -2000 System is a local ground coordinate system based at DOT/PF GPS control station 95-K-4 (#36). It relates to AKSPC zone 1 NAD83 (92) through the following parameters:

Zone = NAD83 AKSPC ZONE 1
 Grid Scale = 0.999900264
 Convergence = +1°44'48"

Translation about DOT/PF control point 95-K-4 as follows:

AKSPC Northing = 1277612.22594 FT US
 AKSPC Easting = 3117379.86890 FT US
 Local Northing = 328083.33333 FT US
 Local Easting = 656166.66667 FT US

Coordinates for this project established with SKI 2.0 static GPS processing and Starnet least squares adjustment. Units are US Survey Feet, all metric conversions shall use 3937/1200 scale factor.

Project Specific Basis of Horizontal Control

95-K-4 : 2" Brass Cap located in the breakwater of Saxman harbor.

NAD83(1992) Lat 55°18'51.8820" N Lon 131°35'43.1545"W
 KTN_S-Tongass-Grid N 328083.3333' E 656166.6667'
 AKSPC N 1277612.22594' E 3117379.86890'

95-K-6 : 2" Brass Cap in bedrock on beach located adjacent to 2976 S. Tongass

NAD83(1992) Lat 55°18'49.0933"N Lon 131°35'23.7309"W
 KTN_S-Tongass-Grid N 327799.9386' E 657290.4836'
 AKSPC N 1277363.2420' E 3118511.6888'

VERTICAL CONTROL

The Vertical Datum for Ketchikan South Tongass Grid 2000 is Mean Lower Low Water based on levels from the National Ocean Service Benchmark NO. 37. The record elevation for NO. 37 is 35.09' above MLLW based on the 1960-1978 tidal epoch for tide station 9450460. The project specific basis of vertical control is point #36 "95-K-4" with an observed elevation of 22.21' above MLLW.

CONTROL MONUMENTS						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
12	15+78	26.0 R	321274.4890	665083.0320	33.88	ALCTRL2" _ST-12
63	24+66	75.4 R	320641.1814	665739.3587	41.28	ALCTRL2" _RESET'13
14	34+40	13.0 L	320911.4858	666701.2329	44.62	ALCTRL2" _ST-14
15	40+08	20.9 R	320609.7866	667186.0154	38.34	ALCTRL2" _ST-15
16	48+10.01	16.3 R	320469.8358	667977.6509	31.55	ALCTRL2" _ST-16
17	54+67.84	12.2 R	320827.1175	668523.4638	43.26	ALCTRL2" _ST-17
18	60+90.49	14.5 R	321045.1696	669107.1368	44.87	ALCTRL2" _ST-18
19	70+89.33	11.6 R	321764.0723	669804.2765	37.93	ALCTRL2" _ST-19
20	75+63.71	11.6 R	322205.8165	669980.9694	41.87	ALCTRL2" _ST-20
21	83+82.34	12.9 R	323021.9711	670019.9457	39.97	ALCTRL2" _ST-21
22	98+73.30	12.3 R	324477.7402	670317.5334	43.09	ALCTRL2" _ST-22
23	116+23.65	14.7 L	326151.5104	670809.6072	44.34	ALCTRL2" _ST-23
24	127+82.55	13.8 L	327281.4101	671059.9938	65.03	ALCTRL2" _ST-24
25	143+39.76	12.5 R	328716.7199	671660.8693	63.42	ALCTRL2" _ST-25
26	148+92.85	13.1 R	329262.1220	671575.8767	47.02	ALCTRL2" _ST-26
27	152+98.99	18.6 R	329657.8850	671649.8434	41.50	ALCTRL2" _ST-27
28	163+46.44	9.7 R	330651.7544	671313.1528	51.80	ALCTRL2" _ST-28
29	169+79.24	14.4 L	331169.8931	670948.0213	42.16	ALCTRL2" _ST-29
30	178+86.13	10.2 L	332012.7477	670610.5538	27.21	ALCTRL2" _ST-30
31	185+95.89	10.9 L	332610.5080	670930.6975	32.38	ALCTRL2" _ST-31
32	193+60.30	14.6 R	332717.8831	671691.3754	49.55	ALCTRL2" _ST-32
BASIS OF BEARING						
35	NA	NA	327799.9386	657290.4836	19.27	GPS_BC_95-K-6
36	NA	NA	328083.3333	656166.6667	22.21	GPS_BC_95-K-4

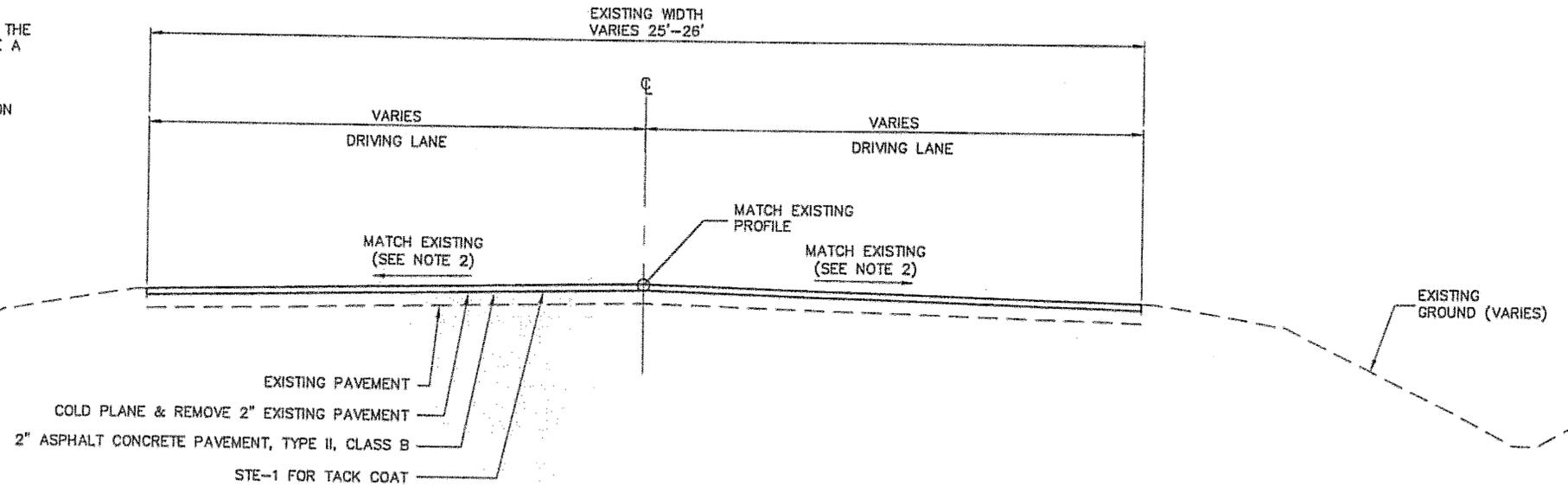
CENTERLINE MONUMENTS			
STATION	OFFSET	NORTHING	EASTING
38+89	12.3 R	320658.9	667073.8
40+27	0.0 R	320625.1	667209.7
44+80.13	0.0 R	320516.0	667649.1
45+01.73	0.1 R	320510.8	667670.1
46+70.94	8.9 R	320469.9	667835.3
49+97.01	10.5 R	320548.2	668151.9
53+85.06	15.4 L	320817.6	668436.5
60+16.99	29.7 R	320991.3	669052.1
70+02.92	10.7 R	321693.8	669752.6
75+54.59	22.5 R	322194.8	669990.1
80+69.00	0.0 R	322712.1	669987.4
83+03.02	9.5 L	322946.9	669986.2
92+83.01	2.4 R	323901.6	670210.9
93+65.96	0.0 L	323984.1	670220.5
96+21.87	0.0 L	324238.3	670250.0
97+82.80	8.2 L	324399.0	670268.7
99+43.65	0.0 L	324547.0	670333.9
99+52.39	0.0 L	324555.0	670337.4
101+11.63	7.9 R	324701.5	670402.0
102+95.06	0.0 L	324884.4	670424.2
104+49.05	5.7 L	325037.6	670442.9
106+03.12	0.0 L	325183.2	670494.8
115+89.38	9.9 R	326112.9	670826.4
121+25.34	12.1 L	326647.2	670884.2
141+82.18	11.3 R	328560.4	671628.7
145+17.87	11.5 R	328897.1	671658.2
149+31.71	16.6 L	329299.4	671544.1
153+52.92	29.2 R	329715.0	671659.6
158+54.45	7.9 L	330177.0	671445.6
162+87.10	17.0 R	330601.9	671348.4
167+85.26	11.4 L	330997.1	671039.3
169+59.24	0.0 L	331157.3	670969.2
178+05.18	6.6 L	331932.9	670629.7
184+79.78	15.0 R	332527.0	670846.9
186+59.29	40.6 L	332664.0	670979.7
192+02.00	27.2 R	332658.1	671541.4

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

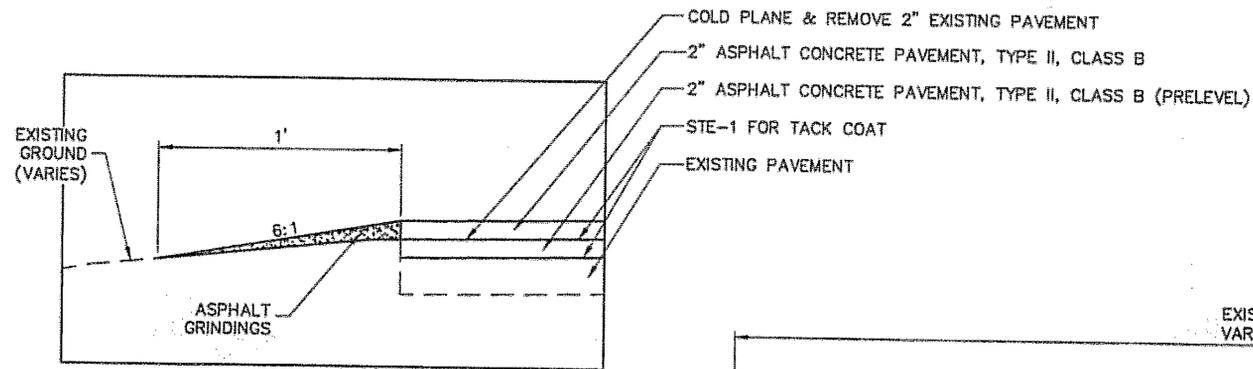
	CHECKED BY: R. MURPHY DESIGNED BY: T. REED DRAWN BY: R. SNYDER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-S.E. REGION SOUTH TONGASS HWY. MT. POINT TO HERRING COVE PAVEMENT REFINISHMENT
	PATH: O:\KIN\68326\PlanSet\A2_Control.dwg TAB: A3 Wed, 06/Apr/05 03:24PM rksnyder	
REVISIONS NO. DATE DESCRIPTION	PROJECT DESIGNATION IM-0902(30) 68326	YEAR SHEET NO. TOTAL SHEETS 2005 A3 XX

TYPICAL SECTION NOTES:

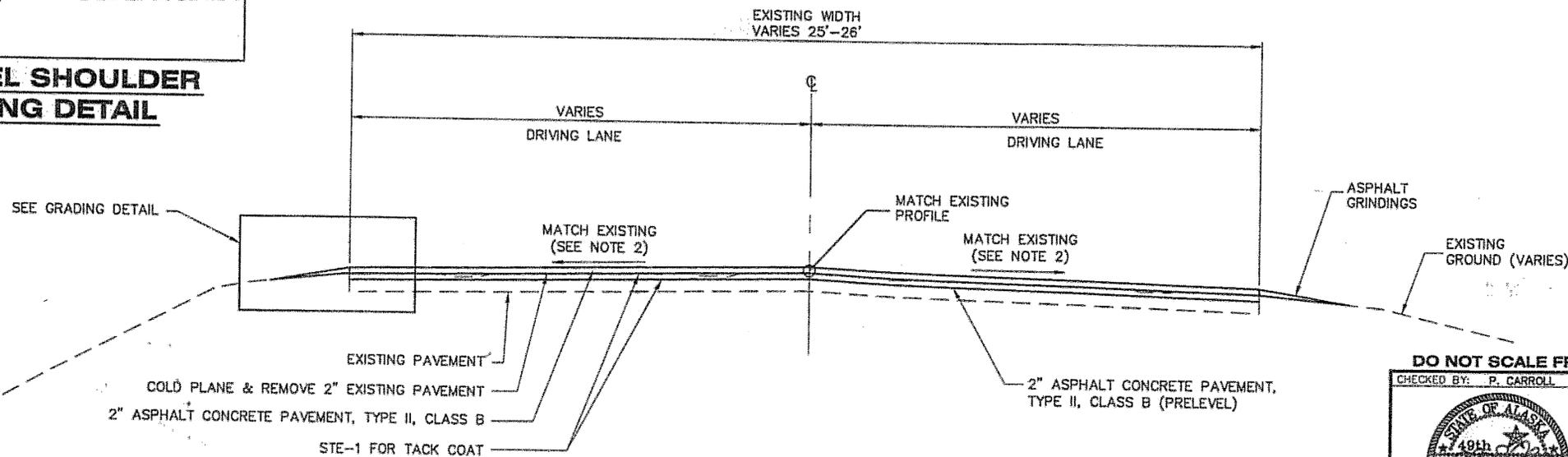
1. PRELEVEL TYPICAL SECTION TO BE AT LOCATIONS APPROVED BY THE ENGINEER WHERE PAVEMENT COLD PLANING DOES NOT PRODUCE A SUITABLE SURFACE FOR FINAL PAVING.
2. MATCH EXISTING ROADWAY SLOPE AND SUPERELEVATION ON CURVES, EXCEPT MAINTAIN MINIMUM ROADWAY SLOPE OF 1.5% ON TANGENT SECTIONS.



TYPICAL SECTION
10+00 TO 193+16

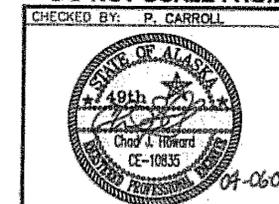


PRE-LEVEL SHOULDER GRADING DETAIL



PRELEVEL TYPICAL SECTION
(SEE NOTE 1)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-S.E. REGION
**SOUTH TONGASS HWY.
MT. POINT TO HERRING COVE
PAVEMENT REPAIR**

CHECKED BY: P. CARROLL
DESIGNED BY: G. HOWARD
DRAWN BY: R. SNYDER

TYPICAL SECTIONS

PATH: Q:\Kin\68326\Plan\set\B_Type.dwg
TAB: B1 Mon, 04/Apr/05 01:27PM rksnyder

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			IM-0902(30) 68326	2005	B1	XX

REMOVAL OF EXISTING CULVERT PIPE *

STATION	EXISTING SIZE (IN)	LENGTH (FT)	REMARKS
13+40	18	63.4	
17+97	24	44.5	
30+17	24	46.9	
32+46	24	49.4	
36+12	24	44.9	MAY ABANDON IN PLACE - FILL PIPE WITH HIGH SLUMP CONCRETE AS DIRECTED
41+88	18	60.5	
57+73	18	38.7 ^(40.0)	
63+61	24	36.1	
66+34	18	29.7	
74+31	18	54.2	
76+98	8	40.0	
82+60	18	50.0 ^(8.0)	EXISTING INLET TO REMAIN
86+50	18	50.0	
92+55	18	50.4	EXISTING SEWER AND WATER THROUGH PIPE
96+32	18	43.5	REMOVE AND REPLACE MASHED END, REPLACE ENTIRE PIPE AS DIRECTED
TOTAL		703.0	

63+60 Lt
46+30 Lt
53+20
(P-5) 36+10 Lt

REMOVAL OF EXISTING INLETS *

STATION	OFFSET	REMARKS
63+61	LEFT	REMOVE AND DISPOSE

SEE SHEETS
F1 - F12 FOR
FUTURE CONSTRUCTIONS

ADJUST EXISTING MONUMENT CASE

CONTROL MONUMENTS				CENTERLINE MONUMENTS			
STATION	OFFSET	NORTHING	EASTING	STATION	OFFSET	NORTHING	EASTING
54+67.84	12.2 R	320827.1175	668523.4638	44+80.13	0.0 R	320516.0	667649.1
70+89.33	11.6 R	321764.0723	669804.2765	45+01.73	0.1 R	320510.8	667670.1
75+63.71	11.6 R	322205.8165	669980.9694	46+70.94	8.9 R	320469.9	667835.3
83+82.34	12.9 R	323021.9711	670019.9457	49+97.01	10.5 R	320548.2	668151.9
98+73.30	12.3 R	324477.7402	670317.5334	70+02.92	10.7 R	321693.8	669752.6
143+39.76	12.5 R	328716.7199	671660.8693	80+69.00	0.0 R	322712.1	669987.4
163+46.44	9.7 R	330651.7544	671313.1528	83+03.02	9.5 L	322946.9	669986.2
178+86.13	10.2 L	332012.7477	670610.5538	92+83.01	2.4 R	323901.6	670210.9
185+95.89	10.9 L	332610.5080	670930.6975	93+65.96	0.0 L	323984.1	670220.5
				96+21.87	0.0 L	324238.3	670250.0
				97+82.80	8.2 L	324399.0	670268.7
				99+43.65	0.0 L	324547.0	670333.9
				99+52.39	0.0 L	324555.0	670337.4
				101+11.63	7.9 R	324701.5	670402.0
				102+95.06	0.0 L	324884.4	670424.2
				104+49.05	5.7 L	325037.6	670442.9
				106+03.12	0.0 L	325183.2	670484.8
				115+89.38	9.9 R	326112.9	670826.4
				121+25.34	12.1 L	326647.2	670884.2
				141+82.18	11.3 R	328560.4	671628.7
				145+17.87	11.5 R	328897.1	671658.2
				158+54.45	7.9 L	330177.0	671445.6
				167+85.26	11.4 L	330997.1	671039.3
				169+59.24	0.0 L	331157.3	670969.2
				178+05.18	6.6 L	331932.9	670629.7

Install Monument with Case

Station	Quantity
14+40 rt	1
22+30 rt	1
25+75 rt	1
34+30 lt	1
40+05 rt	1
46+10 rt	1
49+50 rt	1
53+15 lt	1
59+90 rt	1
70+75 rt	1
75+60 rt	1
82+10 lt	1
90+50 rt	1
96+50 rt	1
99+40 rt	1
103+50 lt	1
113+50 rt	1
121+75 rt	1
129+8 lt	1
140+50 rt	1
144+05 rt	1
148+60 lt	1
153+40 rt	1
157+00 lt	1
162+20 rt	1
166+40 lt	1
174+80 lt	1
179+50 lt	1
182+60 lt	1
186+20 lt	1
193+10 rt	1
Total	31

ESTIMATE OF PRELEVEL CONSTRUCTION* *

BEGIN STATION	END STATION	LENGTH (FT)	REMARKS
36+50	40+00	350	
44+75	47+75	300	
64+50	75+00	1050	
80+00	86+30	630	
90+00	91+00	100	
97+50	98+75	125	

* PRELEVEL AREAS SHOWN ARE FOR ESTIMATING PURPOSES ONLY. FINAL PRELEVEL AREAS TO BE DETERMINED BY THE ENGINEER AFTER PAVEMENT COLD PLANING.

WATER VALVE ADJUSTMENT *

STATION	OFFSET	REMARKS
64+50	LEFT	
64+52	LEFT	
73+77	LEFT	
73+80	LEFT	
81+46	LEFT	
81+87	LEFT	
83+83	LEFT	
83+85	LEFT	
85+55	LEFT	
90+90	LEFT	
90+91	LEFT	

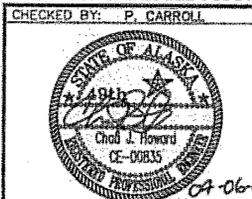
MANHOLE ADJUSTMENT *

STATION	OFFSET	TYPE	REMARKS
68+62	LEFT	SS	
70+96	LEFT	SS	
73+33	LEFT	SS	
74+82	LEFT	SS	
82+46	LEFT	SS	
85+52	LEFT	SS	
90+62	LEFT	SS	

TEMPORARY CHECK DAM

CL STATION	OFFSET	REMARKS
34+66	28' LT	
35+26	32' LT	

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION--S.E. REGION
SOUTH TONGASS HWY. MT. POINT TO HERRING COVE PAVEMENT REFINISHMENT

MISCELLANEOUS SUMMARIES

DESIGNED BY: C. HOWARD	PROJECT DESIGNATION: IM-0902(30)	YEAR: 2005	SHEET NO.: D1	TOTAL SHEETS: XX
DRAWN BY: R. SNYDER	88326			
PATH: Q:\KIn\68326\Plans\D_Sum.dwg				
TAB: D1				
Tue, 05/Apr/05 01:57PM				

ADJUST EXISTING GUARDRAIL *				
BEGIN STATION	END STATION	OFFSET	LENGTH	REMARKS
19+50	22+00	RIGHT	250	
66+50	68+50	RIGHT	200	
130+25	132+50	RIGHT	225	
139+00	141+00	RIGHT	200	
150+50	152+50	RIGHT	200	
185+00	185+50	RIGHT	50	
	TOTAL		1125	

W-BEAM GUARDRAIL *				
BEGIN STATION	END STATION	OFFSET	LENGTH	REMARKS
28+00	29+75	RIGHT	175	
35+50	37+00	RIGHT	150	
39+50	39+75	RIGHT	25	
70+00	72+50	RIGHT	250	
111+00	114+00	RIGHT	300	
167+50	167+75	RIGHT	25	
	TOTAL		925	

REPLACE W-BEAM *				
BEGIN STATION	END STATION	OFFSET	LENGTH	REMARKS
72+00	74+00	RIGHT	200	
150+50	152+50	RIGHT	200	
180+00	183+00	RIGHT	300	
185+00	186+50	RIGHT	150	
	TOTAL		850	

GUARDRAIL END TREATMENTS *			
CL STATION	OFFSET	TYPE	REMARKS
19+50	RT	ET-2000	
26+00	RT	ET-2000	
29+75	RT	DOWNSTREAM END ANCHOR	
33+25	RT	ET-2000	
34+00	LT	ET-2000	
36+75	LT	ET-2000	
40+00	RT	DOWNSTREAM END ANCHOR	
46+50	RT	ET-2000	
50+75	RT	DOWNSTREAM END ANCHOR	
75+50	RT	ET-2000	
79+60	RT	ET-2000	
87+50	RT	DOWNSTREAM END ANCHOR	
93+25	RT	ET-2000	
122+25	RT	DOWNSTREAM END ANCHOR	
130+00	RT	ET-2000	
132+50	RT	DOWNSTREAM END ANCHOR	
136+00	RT	ET-2000	
143+50	RT	ET-2000	
161+25	RT	ET-2000	
164+50	RT	ET-2000	
167+75	RT	DOWNSTREAM END ANCHOR	

* SEE SHEETS
F1-F12 FOR
RED LINE CORRECTIONS

STORM DRAIN STRUCTURE						
NO.	CL STATION	OFFSET (FT)	ELEVATION	TYPE	SUMP	REMARKS
S-1	63+61	20 LEFT	MATCH EXISTING	INLET, TYPE A	YES	RECONNECT EXISTING PIPES, MATCH EXISTING INVERTS
S-2	76+98	22 LEFT	39.0	INLET, TYPE A	YES	VERIFY SANITARY SEWER ELEVATION
	75+30	LEFT				

STORM DRAIN PIPE						
NO.	CL STATION	EXISTING SIZE (IN)	PROPOSED SIZE (IN)	TYPE	LENGTH (FT)	REMARKS
P-8	63+61	24	24	CPP	36.1	INSTALL INLET, TYPE A
P-10	74+31	18	18	CPP	64.2	CONNECT TO EXISTING INLET
P-11	76+98	8	18	CPP	40.0	INSTALL INLET, TYPE A
P-12	82+60	18	18	CPP	60.0	CONNECT TO EXISTING INLET
	TOTAL				180.39	

CROSS CULVERT PIPE					
NO.	CL STATION	SIZE (IN)	TYPE	LENGTH (FT)	REMARKS
P-1	13+40	24	CPP	63.4	
P-2	17+97	24	CPP	44.5	
P-3	23+46	18	CSP**	20.0	OUTLET BURIED - EXTEND PIPE TO DAYLIGHT
P-4	30+17	24	CPP	46.9	
P-5	32+46	24	CPP	49.4 (51.8)	
P-6	41+88	24	CPP	60.5	nothing done
P-7	57+73	24	CPP	38.7	
P-9	66+34	24	CPP	29.7	OUTLET BURIED - DAYLIGHT NEW PIPE
P-13	92+55	24	CPP	50.4	RELOCATE EXISTING UTILITIES OUTSIDE PIPE
P-14	96+32	24	CPP	43.5 (46.7)	REPLACE MASHED END, REPLACE ENTIRE PIPE AS DIRECTED
	TOTAL			446.90	

P-12
NOTE:
CROSS CULVERT PIPE INSTALLATIONS THAT ARE NOT COMPLETED IN ONE DAY WILL REQUIRE ALL NIGHT TRAFFIC CONTROL INCLUDING FLAGGING IF TWO LANES ARE NOT PROVIDED.

P-8 63+65 24" CPP 44.6
P-5a 36+10 24" CPP 63.0

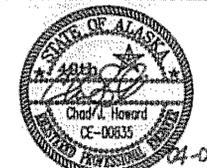
APPROACH CULVERT PIPE								
NO.	BEGIN STATION	OFFSET (FT)	END STATION	OFFSET (FT)	SIZE (IN)	TYPE	LENGTH (FT)	REMARKS
P-15	55+17	20 LT	53+86	30 LT	18	CPP	136.0 (134.3)	2% SLOPE
	TOTAL						136.00	

P-8a 63+60 LT 64+33 18" CPP 73.0
P-6a 46+25 LT 46+87.3 18" CPP 62.3
S-2 75+26 18" CMP 20.0

CULVERT PIPE END SECTION INSTALLATION				
CL STATION	OFFSET	EXISTING SIZE (IN)	TYPE	REMARKS
34+92	LEFT	36	CAP**	ATTACH TO EXISTING PIPE
153+12	LEFT	36	CAP**	ATTACH TO EXISTING PIPE

** VERIFY EXISTING PIPE TYPE BEFORE ORDERING MATERIALS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: P. CARROLL 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-S.E. REGION SOUTH TONGASS HWY. MT. POINT TO HERRING COVE PAVEMENT REFINISHMENT	
DESIGNED BY: C. HOWARD DRAWN BY: R. SNYDER PATH: G:\KIN\68326\PlanSet\D_Sum.dwg TAB: D2 Mon, 04/ker/05 03:00PM rksnydar		MISCELLANEOUS SUMMARIES	
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
IM-0902(30) 68326	2005	D2	XX

SIGN SUMMARY

SIGN NO.	STATION	OFFSET		DESCRIPTION	ASDS CODE	Size (")		AREA (Sq Ft)	POST SIZE	REMARKS
		LT	RT			H	W			
1	16+50		X	ADOPT A HIGHWAY	I-150	24	30	5.00	2.5	
2	16+50		X	WIND & WATER CHARTERS & SCUBA	I-150	12	30	2.50		MOUNT BELOW SIGN 1
3	16+50		X	MILE 5	I-142	24	18	3.00		MOUNT BELOW SIGN 1
4	16+80	X		ADOPT A HIGHWAY	I-150	24	30	5.00	2.5	
5	16+80	X		SOUTH TONGASS VOLUNTEER FIRE DEPT.	I-150	12	30	2.50		MOUNT BELOW SIGN 3
6	16+80	X		MILE 5	I-142	24	18	3.00		MOUNT BELOW SIGN 4
7	26+41		X	NO OVERNIGHT CAMPING		18	12	1.50	2.5	NON-STANDARD SIGN
8	30+20	X		STOP	R1-1	30	30	6.25	2.5	
9	30+95		X	REVERSE CURVE	W1-4R	36	36	9.00	2.5	
10	30+95		X	35 MPH ADVISORY SPEED PLATE	W13-1	24	24	4.00		MOUNT BELOW SIGN 9
11	40+25		X	FIRE TRUCK (SYMBOL)	W11-8	36	36	9.00	2.5	
12	42+70	X		REVERSE TURN	W1-3R	36	36	9.00	2.5	
13	42+70	X		30 MPH ADVISORY SPEED PLATE	W13-1	24	24	4.00		MOUNT BELOW SIGN 12
14	44+15		X	NO OVERNIGHT CAMPING		18	12	1.50	2.5	NON-STANDARD SIGN
15	45+00		X	REVERSE CURVE	W1-4L	36	36	9.00	2.5	
16	45+65		X	SPEED LIMIT 35	R2-1	36	30	7.50	2.5	
17	45+65	X		SPEED LIMIT 45	R2-1	36	30	7.50	2.5	
18	53+25	X		FIRE TRUCK (SYMBOL)	W11-8	36	36	9.00	2.5	
19	57+80	X		REVERSE TURN	W3-1L	36	36	9.00	2.5	
20	57+80	X		30 MPH ADVISORY SPEED PLATE	W13-1	24	24	4.00		MOUNT BELOW SIGN 19
21	60+15	X		STOP	R1-1	30	30	6.25	2.5	
22	60+15	X		FALLA CT	D3-1	12	42	3.50		MOUNT BELOW SIGN 21
23	60+15	X		S TONGASS HWY	D3-1	12	66	5.50		MOUNT BELOW SIGN 21
24	68+00	X		ADOPT A HIGHWAY	I-150	24	30	5.00	2.5	
25	68+00	X		WIND & WATER CHARTERS & SCUBA	I-150	12	30	2.50		MOUNT BELOW SIGN 24
26	68+00	X		MILE 6	I-142	24	18	3.00		MOUNT BELOW SIGN 24
27	68+00		X	ADOPT A HIGHWAY	I-150	24	30	5.00	2.5	
28	68+00		X	KETCHIKAN MASONIC LODGE #159	I-150	12	30	2.50		MOUNT BELOW SIGN 27
29	68+00		X	MILE 6	I-142	24	18	3.00		MOUNT BELOW SIGN 27
30	71+85	X		SPEED LIMIT 35	R2-1	36	30	7.50	2.5	
31	82+75	X		STOP	R1-1	30	30	6.25	2.5	
32	82+75	X		FRANKLIN DR	D3-1	12	54	4.50	2.5	
33	82+75	X		S TONGASS HWY	D3-1	12	66	5.50		MOUNT BELOW SIGN 32
34	88+80	X		SPEED LIMIT 35	R2-1	36	30	7.50	2.5	
35	88+80		X	SPEED LIMIT 45	R2-1	36	30	7.50	2.5	
36	118+00	X		SPEED LIMIT 45	R2-1	36	30	7.50	2.5	
37	118+45	X		STOP	R1-1	30	30	6.25	2.5	
38	118+45	X		S TONGASS HWY	D3-1	12	66	5.50		MOUNT BELOW SIGN 37
39	118+45	X		ROOSEVELT DR	D3-1	12	54	4.50		MOUNT BELOW SIGN 37
40	122+10		X	ADOPT A HIGHWAY	I-150	24	30	5.00	2.5	
41	122+10		X	WAYPOINT INN AT HERRING BAY	I-150	12	30	2.50		MOUNT BELOW SIGN 40
42	122+10		X	MILE 7	I-142	24	18	3.00		MOUNT BELOW SIGN 40
43	122+10	X		ADOPT A HIGHWAY	I-150	24	30	5.00	2.5	
44	122+10	X		MASONIC LODGE #159	I-150	12	30	2.50		MOUNT BELOW SIGN 43
45	122+10	X		MILE 7	I-142	24	18	3.00		MOUNT BELOW SIGN 43
46	146+40		X	REVERSE CURVE	W1-3R	36	36	9.00	2.5	
47	146+40		X	40 MPH ADVISORY SPEED PLATE	W13-1	24	24	4.00	2.5	
48	158+60	X		REVERSE CURVE	W1-3R	36	36	9.00	2.5	
49	168+60	X		40 MPH ADVISORY SPEED PLATE	W13-1	24	24	4.00		MOUNT BELOW SIGN 48
50	168+05		X	STOP	R1-1	30	30	6.25	2.5	
51	168+05		X	OLD S TONGASS HWY	D3-1	12	78	6.50		MOUNT BELOW SIGN 50
52	168+05		X	S TONGASS HWY	D3-1	12	66	5.50		MOUNT BELOW SIGN 50
53	173+10	X		ADOPT A HIGHWAY	I-150	24	30	5.00	2.5	
54	173+10	X		WAYPOINT INN AT HERRING COVE	I-150	12	30	2.50		MOUNT BELOW SIGN 53
55	173+10	X		MILE 8	I-142	24	18	3.00		MOUNT BELOW SIGN 53
56	173+10		X	ADOPT A HIGHWAY	I-150	24	30	5.00	2.5	
57	173+10		X	AARP KETCHIKAN CHAPTER 1825	I-150	12	30	2.50		MOUNT BELOW SIGN 56
58	173+10		X	MILE 8	I-142	24	18	3.00		MOUNT BELOW SIGN 56
59	175+80	X		STOP	R1-1	30	30	6.25	2.5	
60	175+80	X		WOOD RD	D3-1	12	42	3.50	2.5	
61	175+80	X		S TONGASS HWY	D3-1	12	66	5.50		MOUNT BELOW SIGN 60
62	183+40	X		HERRING COVE	I-3	36	42	10.50	2.5	
63	183+50	X		OBJECT MARKER-LEFT	OM-3L	12	36	3.00	2.5	
64	183+50		X	OBJECT MARKER-RIGHT	OM-3R	12	36	3.00	2.5	
65	184+75	X		OBJECT MARKER-RIGHT	OM-3R	12	36	3.00	2.5	
66	184+75		X	OBJECT MARKER-LEFT	OM-3L	12	36	3.00	2.5	
67	184+85	X		HERRING COVE	I-3	36	42	10.50	2.5	
68	186+45		X	POWER HOUSE RD	D3-1	12	66	5.50	2.5	
69	186+45		X	S TONGASS HWY	D3-1	12	66	5.50		MOUNT BELOW SIGN 68
70	186+45	X		STOP	R1-1	30	30	6.25	2.5	
71	189+85		X	PAVEMENT ENDS	W8-3	36	36	9.00	2.5	
72	190+75		X	SPEED LIMIT 50	R2-1	36	30	7.50	2.5	
73	190+75	X		SPEED LIMIT 45	R2-1	36	30	7.50	2.5	

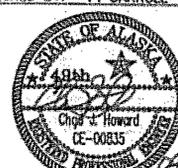
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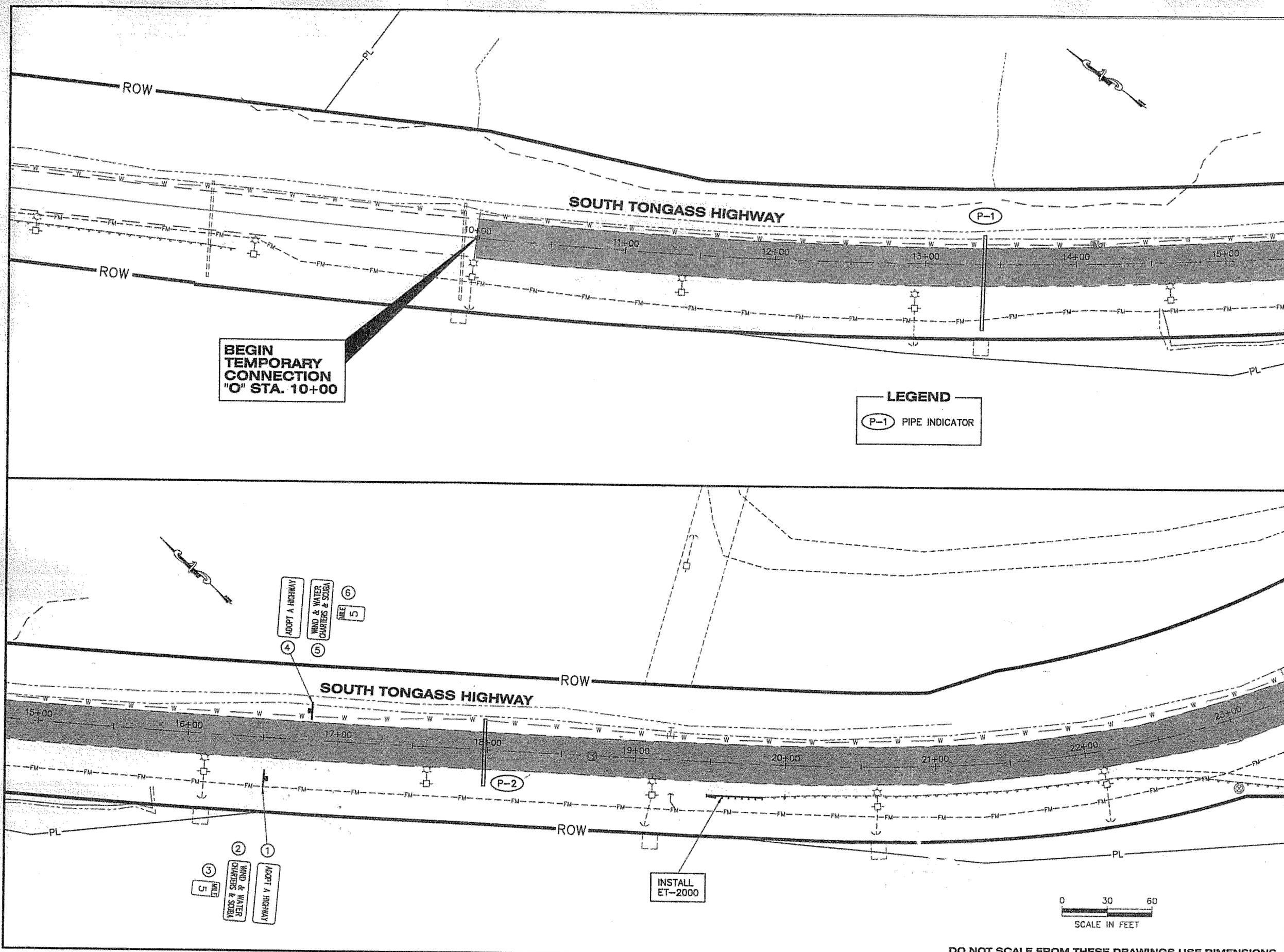
- SIGN LOCATIONS ARE APPROXIMATE ONLY AND ARE SUBJECT TO MINOR REVISIONS.
- SEE STD. DWG. S-30.03 FOR POST SLEEVE TYPE SOIL EMBEDMENT.
- ALL SIGN POSTS SHALL BE PERFORATED GALVANIZED SQUARE STEEL POSTS.
- ALL SIGNS SHALL BE .125" THICK EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE.
- ALL NEW SIGNS SHALL BE UNFRAMED EXCEPT AS NOTED IN THE STANDARD SIGN SCHEDULE.
- ALL D3-1 STREET SIGNS HAVE THE LEGEND ON BOTH SIDES, AND ARE THE BLADE EXTRUDED TYPE.
- SIGN PANELS TO BE INSTALLED PER STANDARD DRAWING S-05.01.
- ALL EXISTING SIGNS TO BE REMOVED OR REPLACED SHALL BE DISMANTLED BY THE CONTRACTOR AND STOCKPILED AT THE STATE OF ALASKA D.O.T./P.F. MAINTENANCE STATION AS DIRECTED BY THE ENGINEER. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO 615(1).
- PRIOR TO INSTALLING POSTS, THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING AND NEW UNDERGROUND UTILITIES, INCLUDING BUT NOT LIMITED TO PIPELINES, INTERCONNECT CABLES, SIGNAL SYSTEMS, LIGHTING SYSTEMS, STORM AND SANITARY SEWERS, WATER SYSTEMS AND TELEPHONE AND ELECTRICAL CABLES. ALL EXISTING UTILITIES ARE NOT NECESSARILY SHOWN ON THE PLANS.

GENERAL STRIPING NOTES:

- THE CONTRACTOR SHALL NOTIFY THE A.D.O.T./P.F. TRAFFIC AND SAFETY SECTION TO PROVIDE THE MARKING LAYOUT AT LEAST ONE WEEK PRIOR TO FINAL STRIPING. THE CONTRACTOR SHALL LAYOUT THE FINAL STRIPING PATTERN BASED ON THE TRAFFIC SECTIONS RECOMMENDATIONS.
- FOR THE PURPOSES OF ESTIMATING USE (2) 4" WIDE WHITE SHOULDER STRIPES AT A DISTANCE OF 12 FEET FROM THE CENTERLINE. USE (1.7) 4 INCHES YELLOW CENTERLINE STRIPES THE LENGTH OF THE PROJECT.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: P. CARROLL 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-S.E. REGION SOUTH TONGASS HWY. MT. POINT TO HERRING COVE PAVEMENT REFINISHMENT																			
SIGN SUMMARY																				
DESIGNED BY: C. HOWARD DRAWN BY: R. SNYDER PATH: G:\KIN\68326\Plans\04_Sum.dwg TAB: D3 Mon, 04/Apr/05 02:57PM rksnyder																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="3">REVISIONS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	REVISIONS			NO.	DATE	DESCRIPTION										<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">PROJECT DESIGNATION IM-0902(30) 68326</td> <td style="width: 10%;">YEAR 2005</td> <td style="width: 10%;">SHEET NO. D3</td> <td style="width: 10%;">TOTAL SHEETS XX</td> </tr> </table>	PROJECT DESIGNATION IM-0902(30) 68326	YEAR 2005	SHEET NO. D3	TOTAL SHEETS XX
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PROJECT DESIGNATION IM-0902(30) 68326	YEAR 2005	SHEET NO. D3	TOTAL SHEETS XX																	

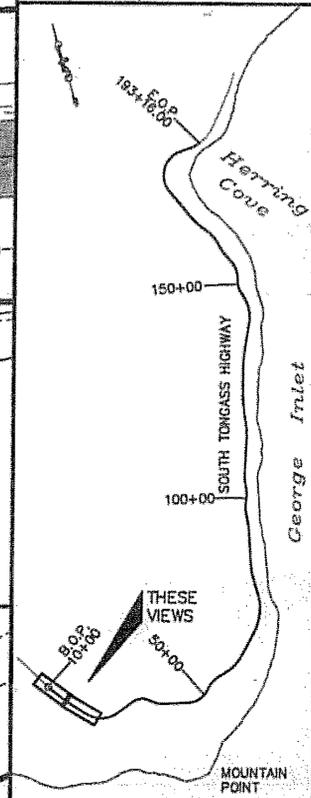


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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: P. CARROLL



DESIGNED BY: C. HOWARD

DRAWN BY: R. SNYDER

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

**SOUTH TONGASS HWY.
 MT. POINT TO HERRING COVE
 PAVEMENT REFINISHMENT
 ROADWAY &
 SIGNING
 LAYOUT PLAN**

PROJECT DESIGNATION

IM-0902(30)-68326

STATE	YEAR
ALASKA	2004

SHEET NUMBER	TOTAL SHEETS
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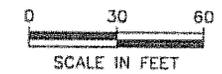
LEGEND
 (P-1) PIPE INDICATOR

**BEGIN
 TEMPORARY
 CONNECTION
 "O" STA. 10+00**

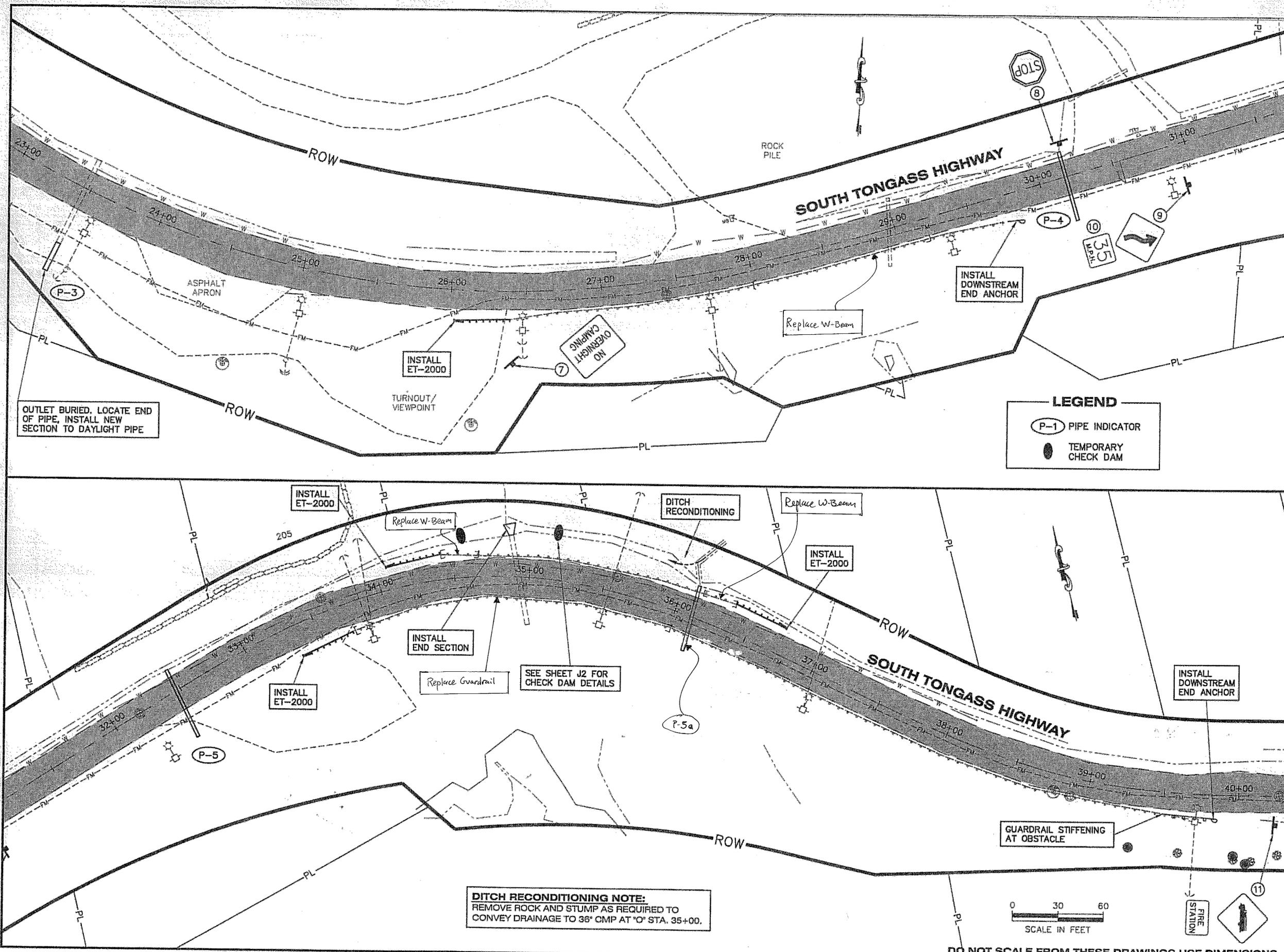
ADOPT A HIGHWAY
 HAND & WATER
 CHANGES & SOUBA
 SHEET 5

ADOPT A HIGHWAY
 HAND & WATER
 CHANGES & SOUBA
 SHEET 5

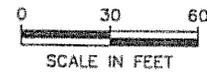
INSTALL
 ET-2000



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DITCH RECONDITIONING NOTE:
 REMOVE ROCK AND STUMP AS REQUIRED TO
 CONVEY DRAINAGE TO 36" CMP AT "O" STA. 35+00.



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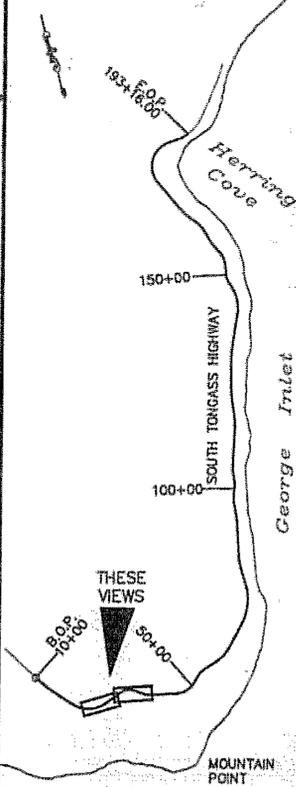
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ADDENDUM NUMBER

ATTACHMENT NUMBER

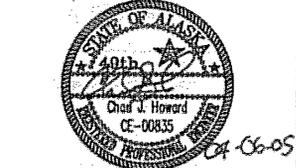
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: P. CARROLL



DESIGNED BY: C. HOWARD

DRAWN BY: R. SNYDER

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

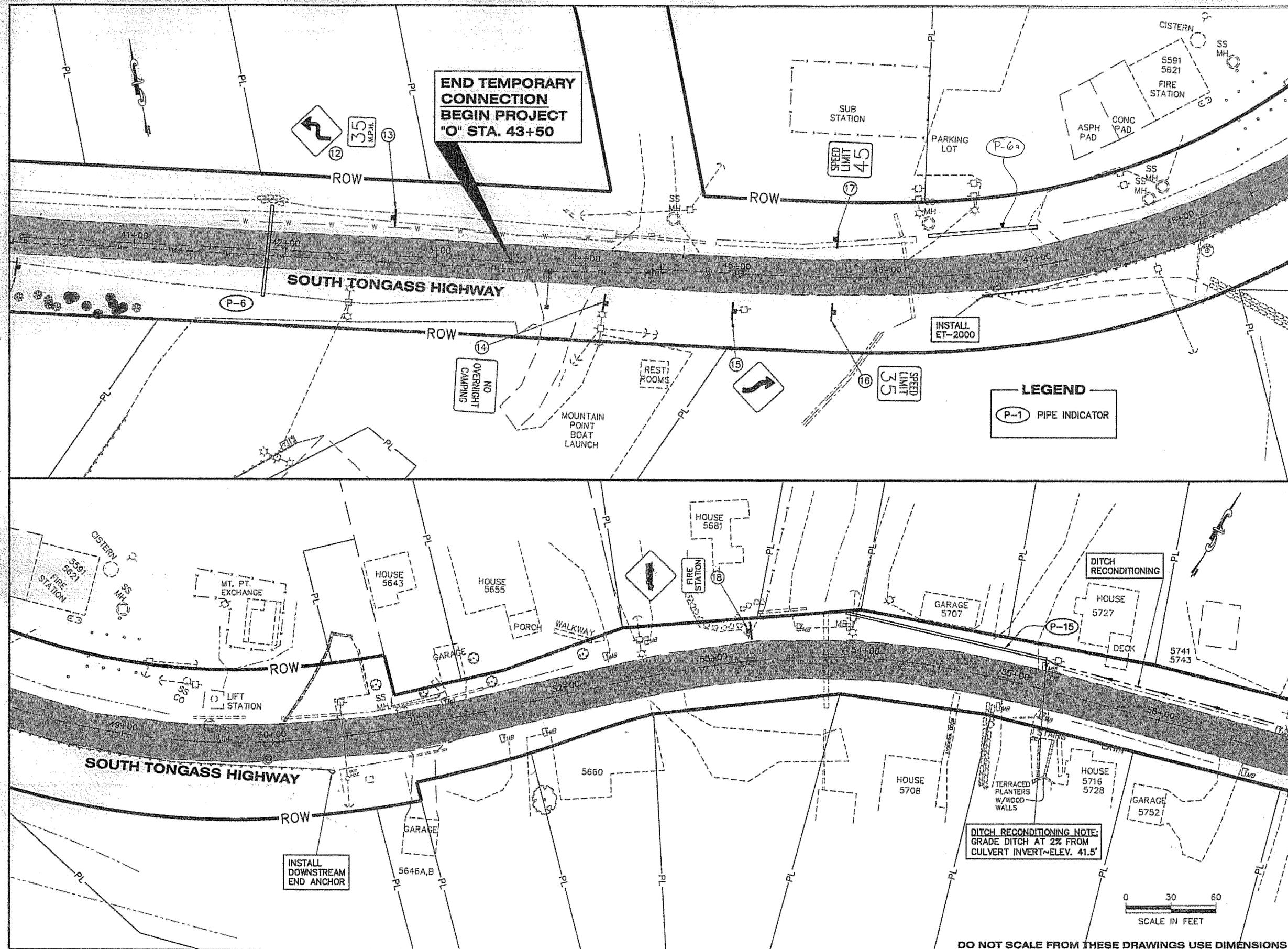
**SOUTH TONGASS HWY.
 MT. POINT TO HERRING COVE
 PAVEMENT REFINISHMENT
 ROADWAY &
 SIGNING
 LAYOUT PLAN**

PROJECT DESIGNATION

IM-0902(30)-68326

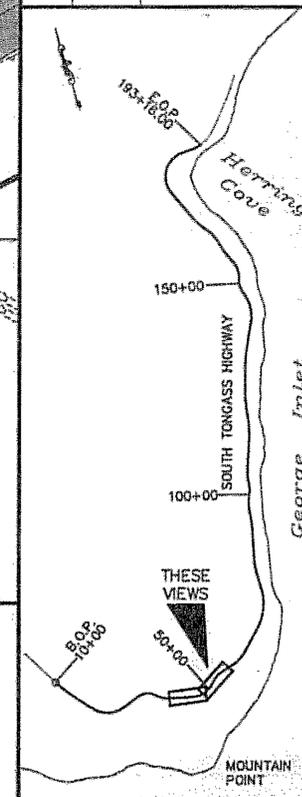
STATE	YEAR
ALASKA	2004

SHEET NUMBER	TOTAL SHEETS
F2	XX



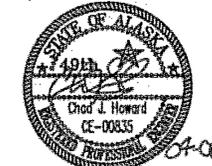
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: P. CARROLL



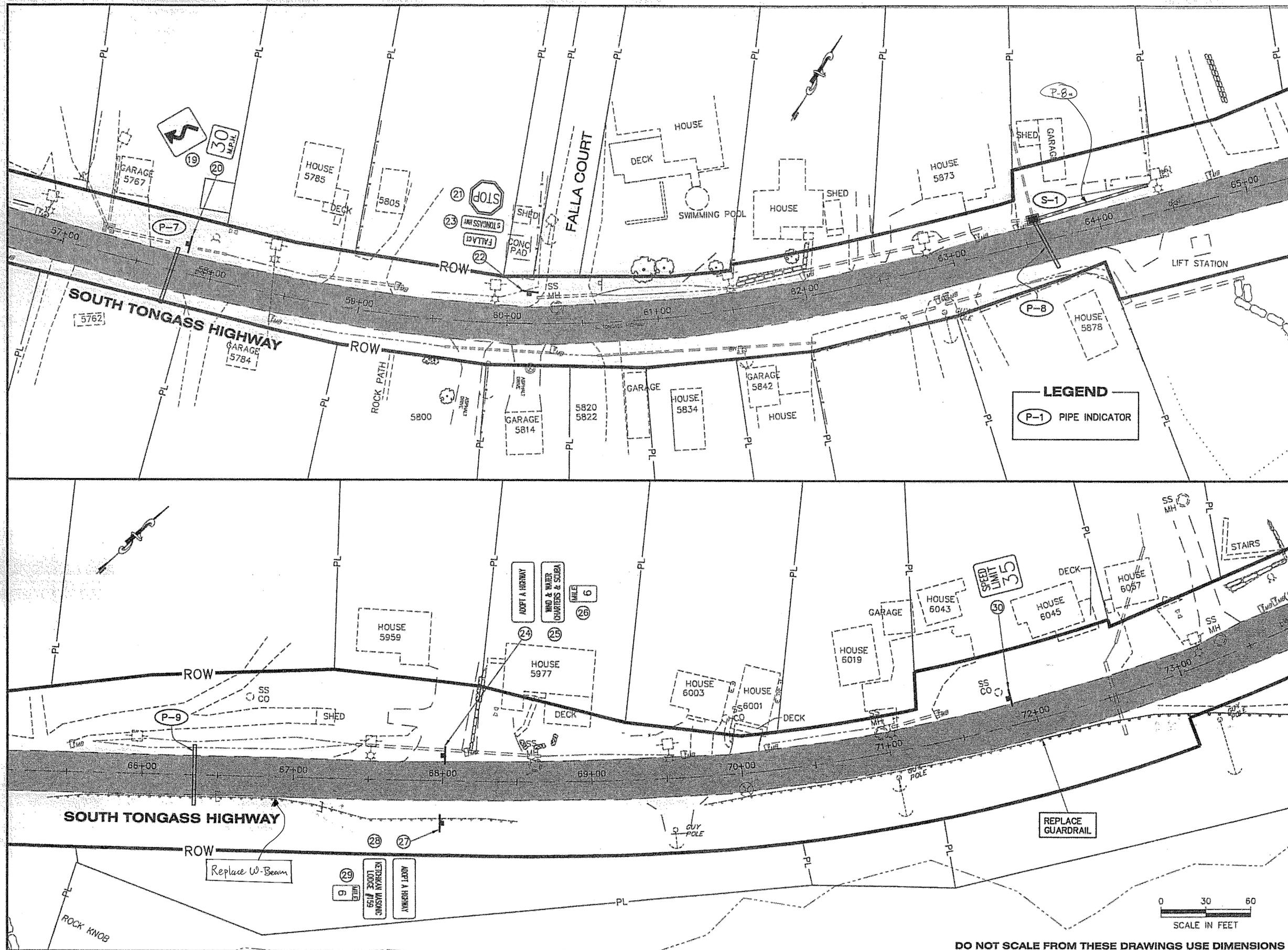
DESIGNED BY: C. HOWARD
 DRAWN BY: R. SNYDER

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

**SOUTH TONGASS HWY.
 MT. POINT TO HERRING COVE
 PAVEMENT REURBISHMENT
 ROADWAY &
 SIGNING
 LAYOUT PLAN**

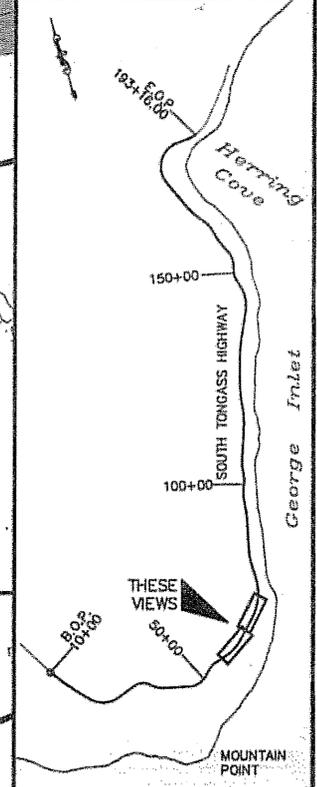
PROJECT DESIGNATION	
IM-0902(30)-68326	
STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
F3	XX

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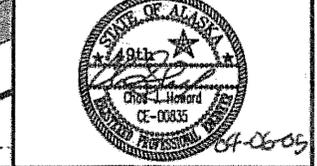
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: P. CARROLL



DESIGNED BY: C. HOWARD

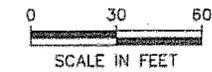
DRAWN BY: R. SNYDER

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

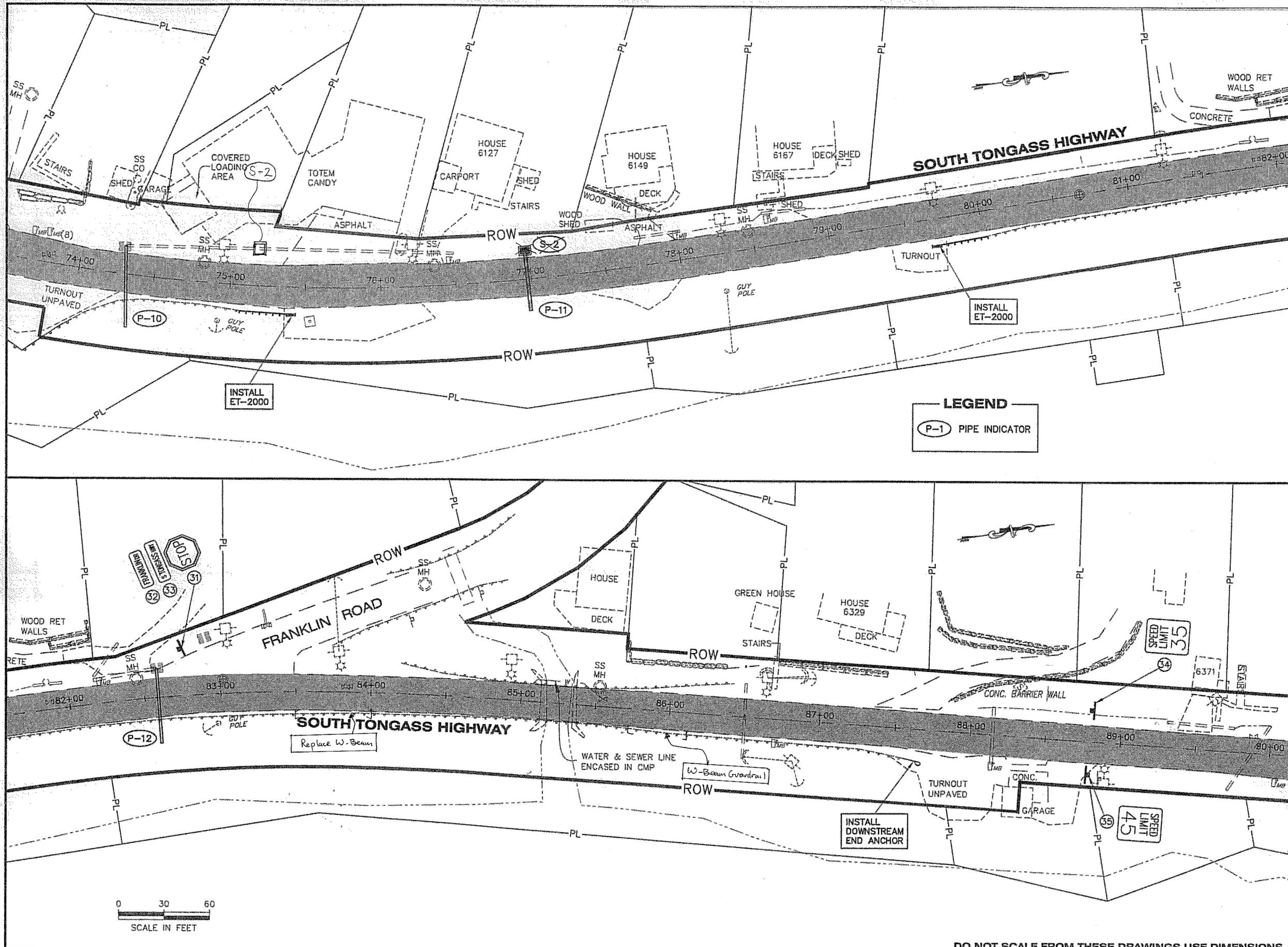
**SOUTH TONGASS HWY.
MT. POINT TO HERRING COVE
PAVEMENT REFINISHMENT
ROADWAY &
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PROJECT DESIGNATION
IM-0902(30)-68326

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
F4	XX



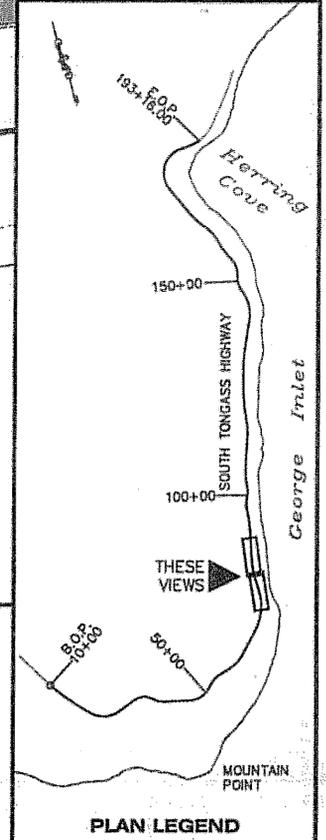
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DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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No.	DATE	DESCRIPTION



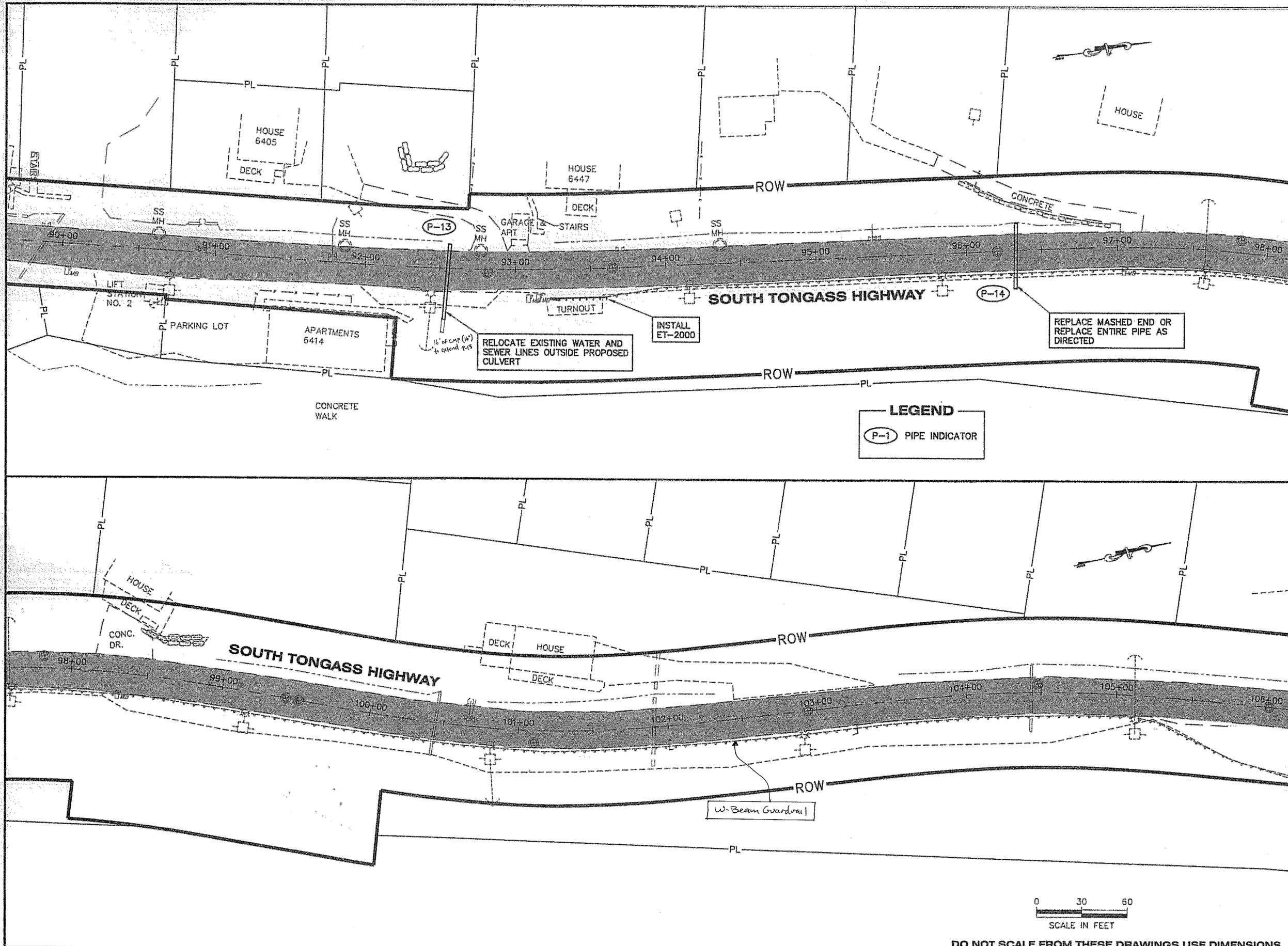
CHECKED BY: P. CARROLL

DESIGNED BY: C. HOWARD
 DRAWN BY: R. SNYDER

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

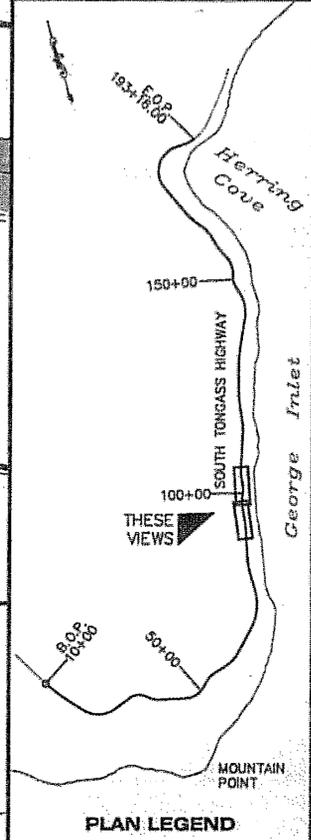
**SOUTH TONGASS HWY.
 MT. POINT TO HERRING COVE
 PAVEMENT REFURBISHMENT
 ROADWAY &
 SIGNING
 LAYOUT PLAN**

PROJECT DESIGNATION	
IM-0902(30)-68326	
STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
F5	XX



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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: P. CARROLL

DESIGNED BY: C. HOWARD
DRAWN BY: R. SNYDER

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

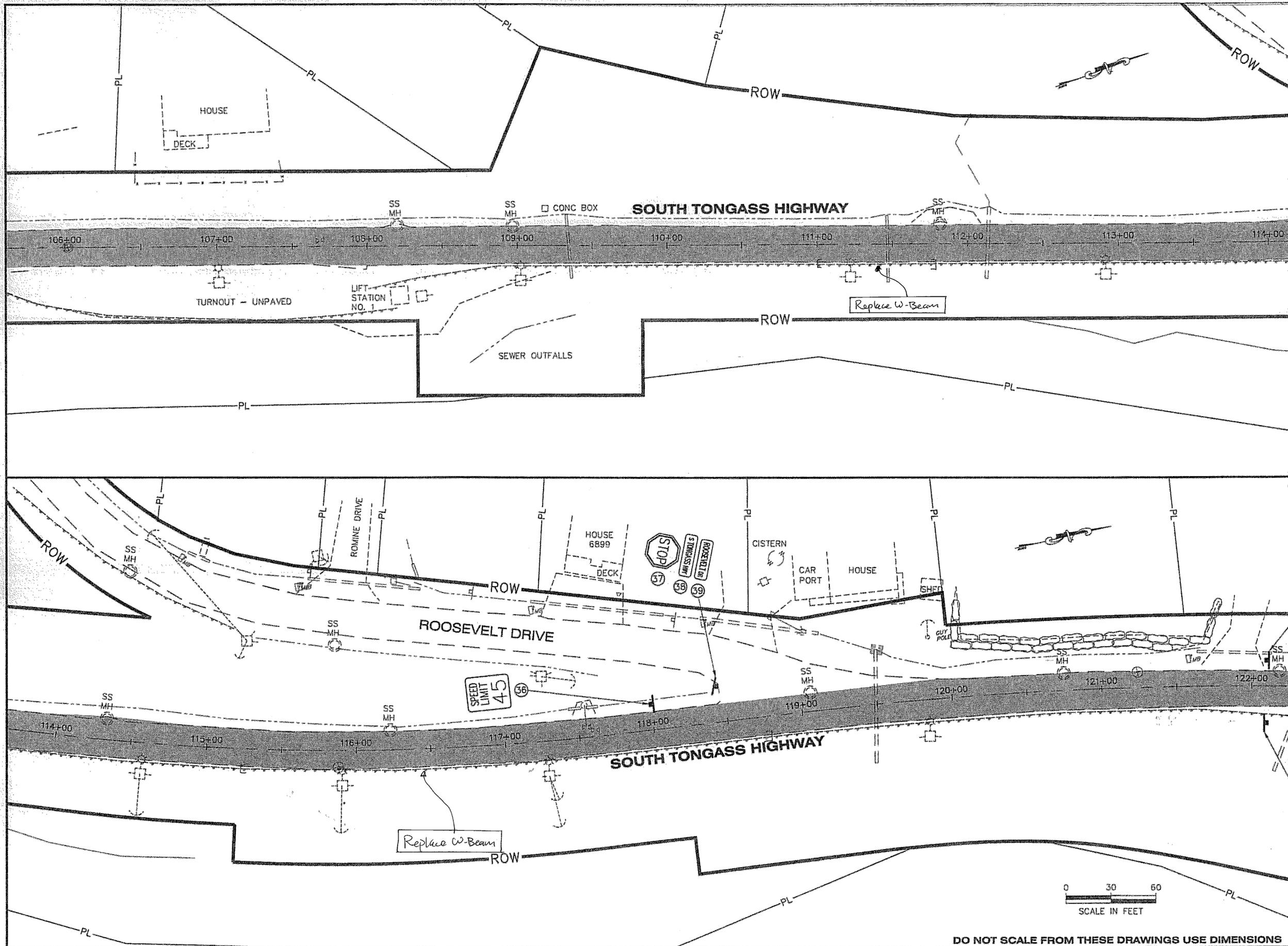
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MT. POINT TO HERRING COVE
PAVEMENT REFURBISHMENT
ROADWAY &
SIGNING
LAYOUT PLAN**

PROJECT DESIGNATION
IM-0902(30)-68326

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
F6	XX

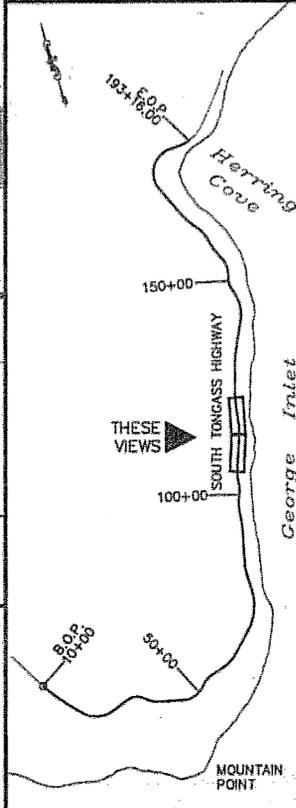


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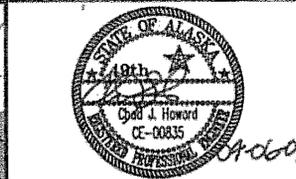
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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: P. CARROLL

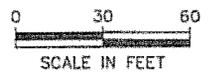


DESIGNED BY: C. HOWARD
DRAWN BY: R. SNYDER

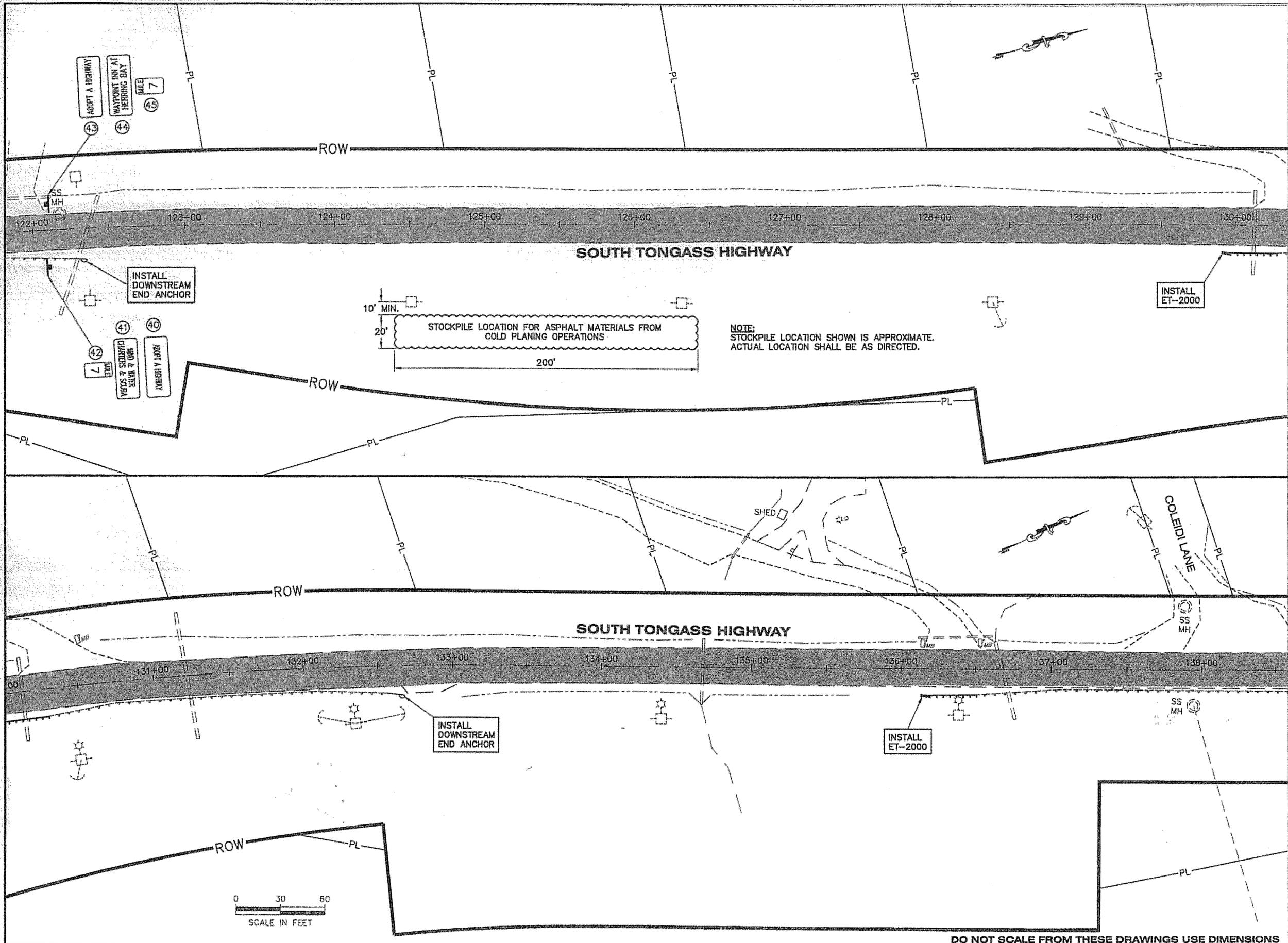
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION - SOUTHEAST REGION
**SOUTH TONGASS HWY.
MT. POINT TO HERRING COVE
PAVEMENT REPAIR/RECONSTRUCTION
ROADWAY &
SIGNING
LAYOUT PLAN**

PROJECT DESIGNATION
IM-0902(30)-68326

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
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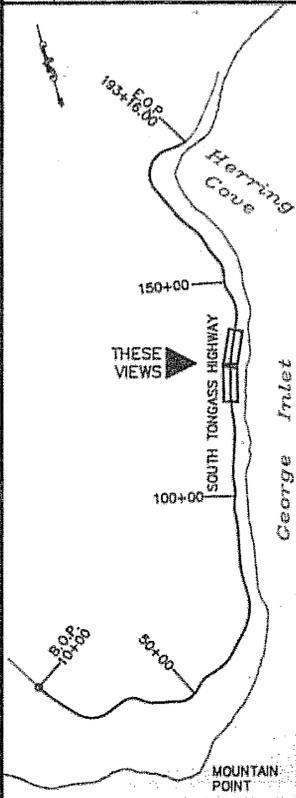


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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: P. CARROLL



DESIGNED BY: C. HOWARD
DRAWN BY: R. SNYDER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION - SOUTHEAST REGION
**SOUTH TONGASS HWY.
MT. POINT TO HERRING COVE
PAVEMENT REFURBISHMENT
ROADWAY &
SIGNING
LAYOUT PLAN**

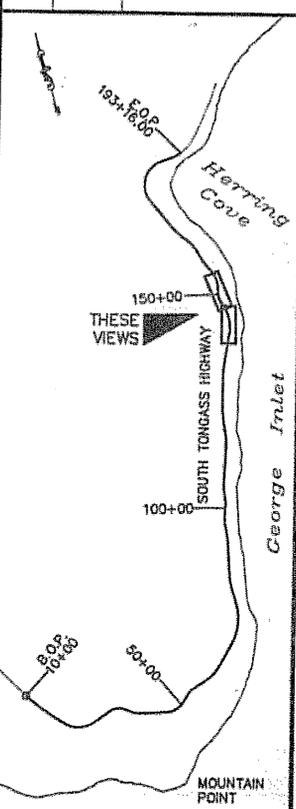
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SHEET NUMBER	TOTAL SHEETS
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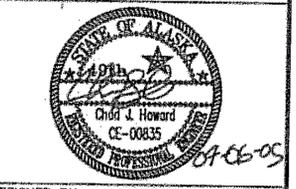
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RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



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CHECKED BY: P. CARROLL

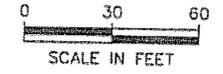
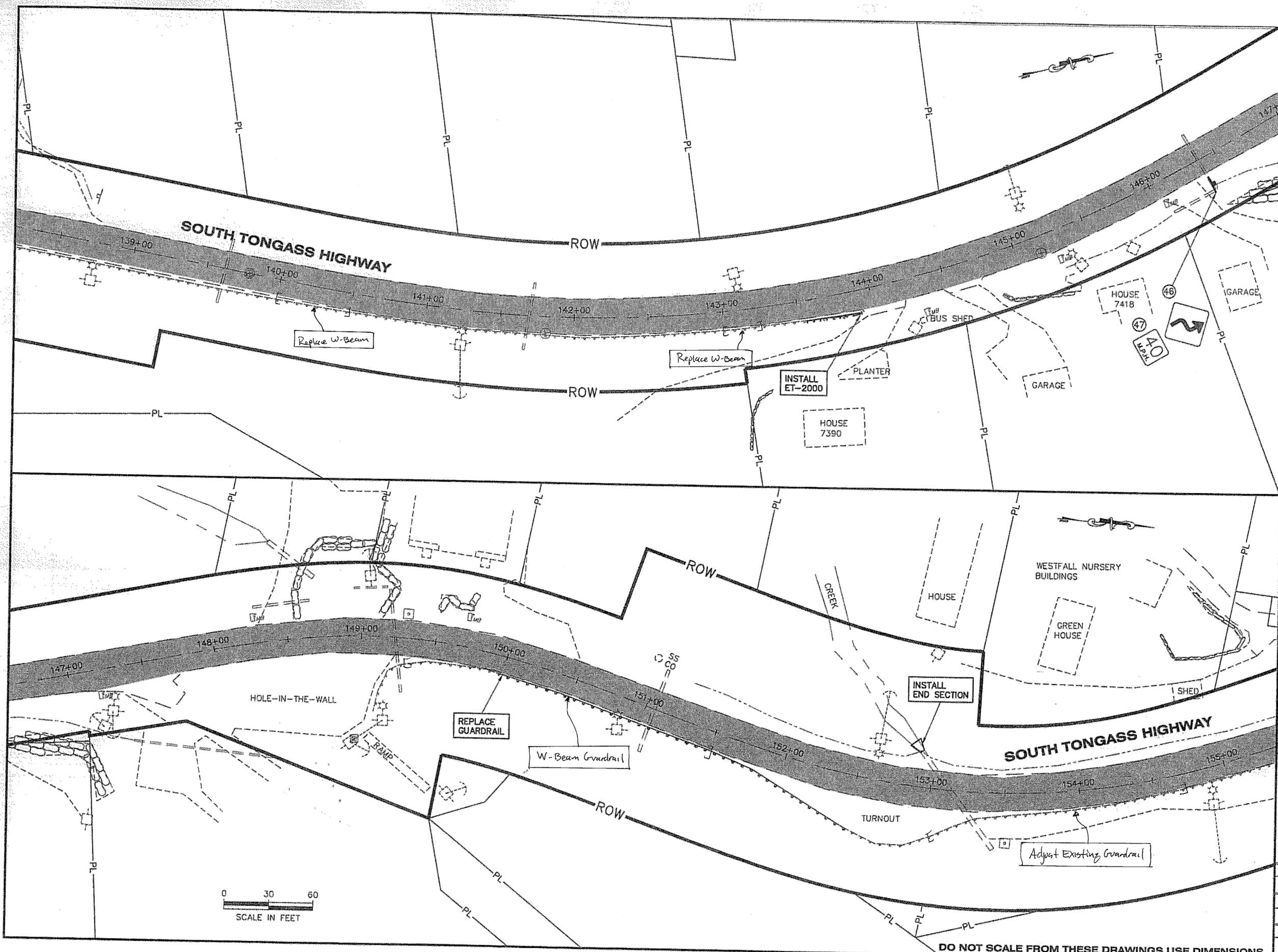


DESIGNED BY: C. HOWARD
 DRAWN BY: R. SNYDER

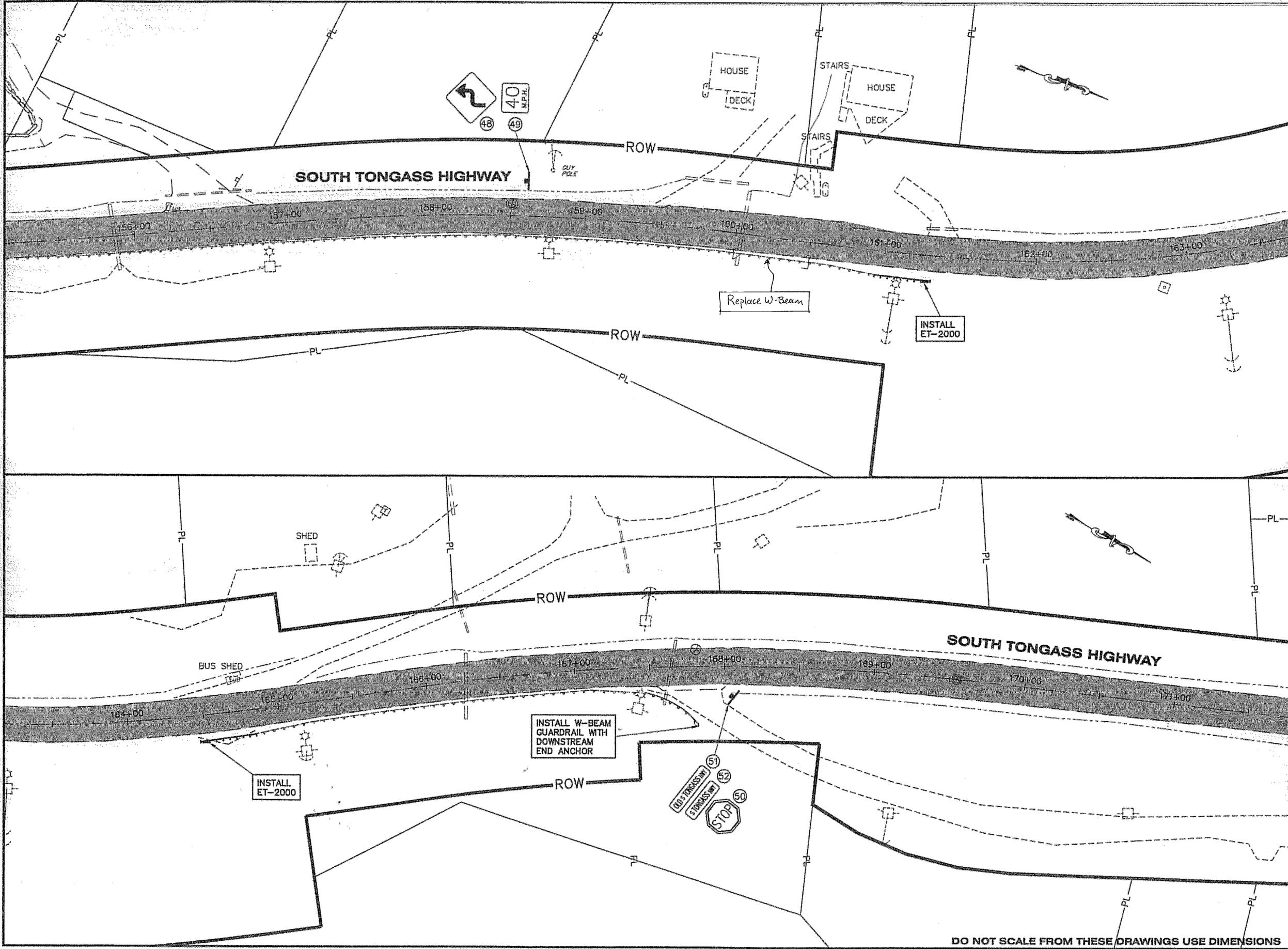
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION
**SOUTH TONGASS HWY.
 MT. POINT TO HERRING COVE
 PAVEMENT REURBISHMENT
 ROADWAY &
 SIGNING
 LAYOUT PLAN**

PROJECT DESIGNATION
 IM-0902(30)-68326

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
F9	XX

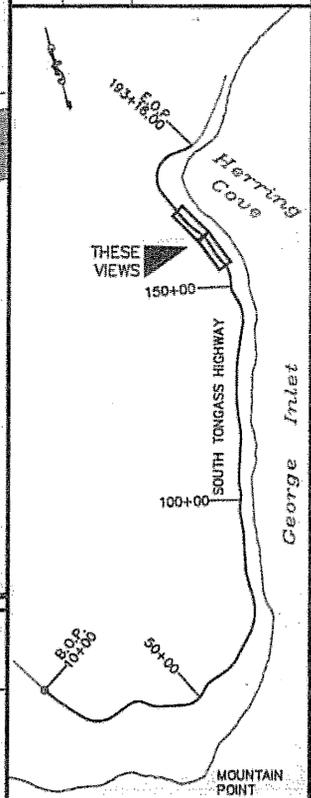


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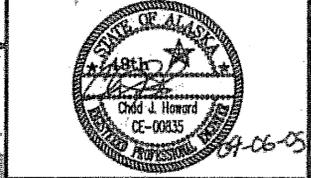
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ADDENDUM NUMBER		
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RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: P. CARROLL



DESIGNED BY: C. HOWARD

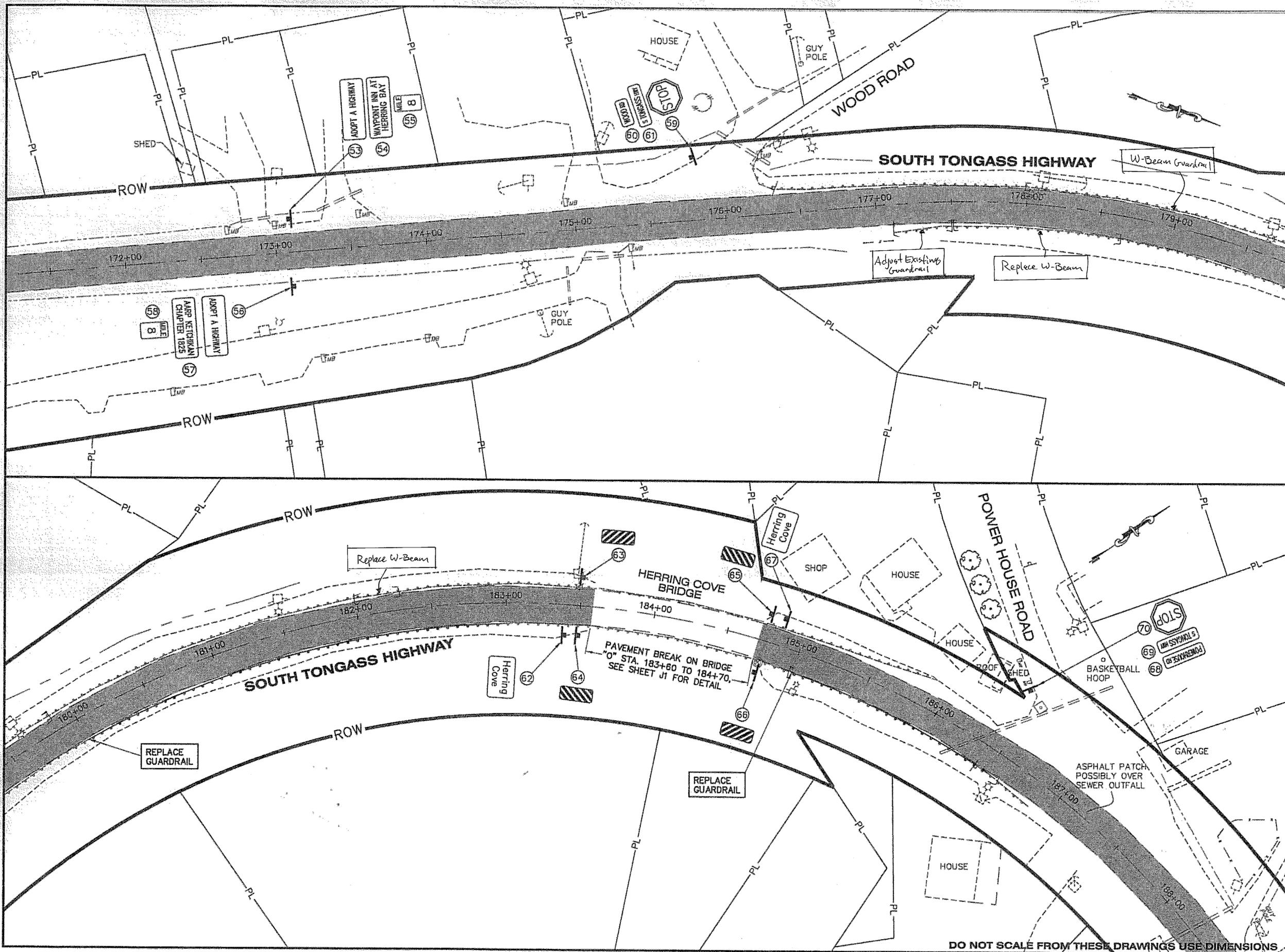
DRAWN BY: R. SNYDER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION - SOUTHEAST REGION
**SOUTH TONGASS HWY.
 MT. POINT TO HERRING COVE
 PAVEMENT REFINISHMENT
 ROADWAY &
 SIGNING
 LAYOUT PLAN**

PROJECT DESIGNATION
IM-0902(30)-68326

STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
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DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



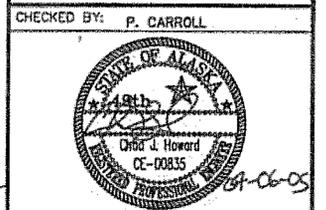
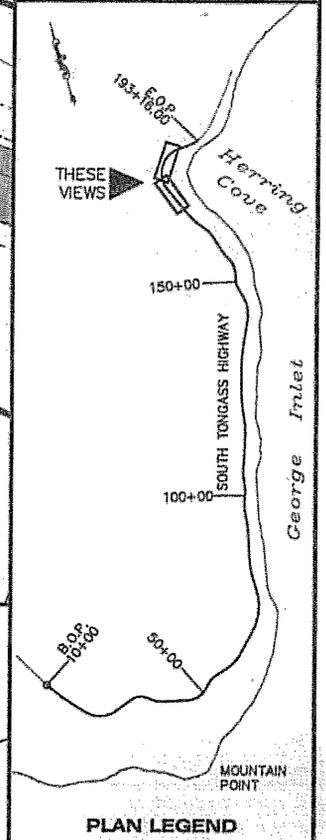
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



DESIGNED BY: C. HOWARD
DRAWN BY: R. SNYDER

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

**SOUTH TONGASS HWY.
MT. POINT TO HERRING COVE
PAVEMENT REFURBISHMENT
ROADWAY &
SIGNING
LAYOUT PLAN**

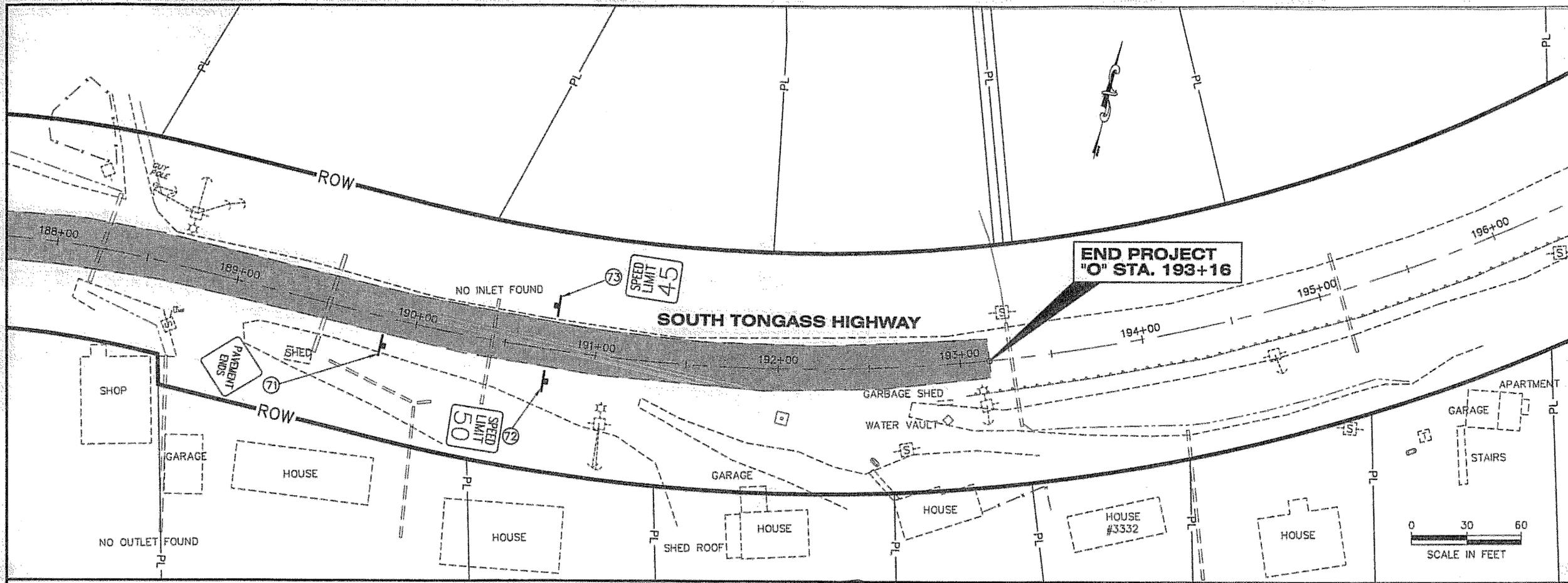
PROJECT DESIGNATION

IM-0902(30)-68326

STATE	YEAR
ALASKA	2004

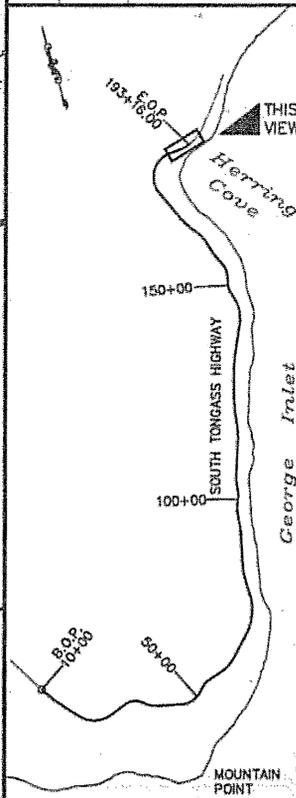
SHEET NUMBER	TOTAL SHEETS
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DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



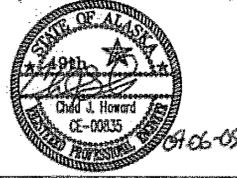
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RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: P. CARROLL



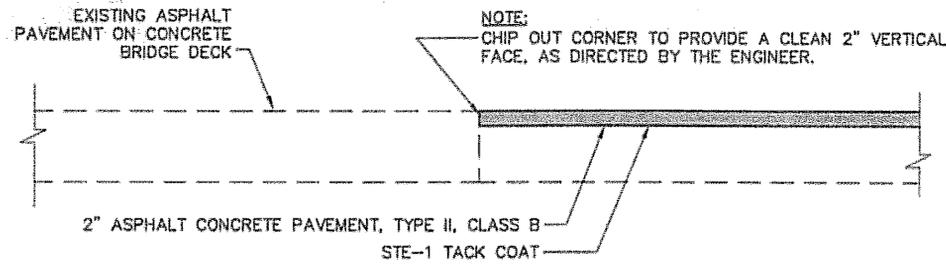
DESIGNED BY: C. HOWARD
 DRAWN BY: R. SNYDER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION - SOUTHEAST REGION
**SOUTH TONGASS HWY.
 MT. POINT TO HERRING COVE
 PAVEMENT REFURBISHMENT
 ROADWAY &
 SIGNING
 LAYOUT PLAN**

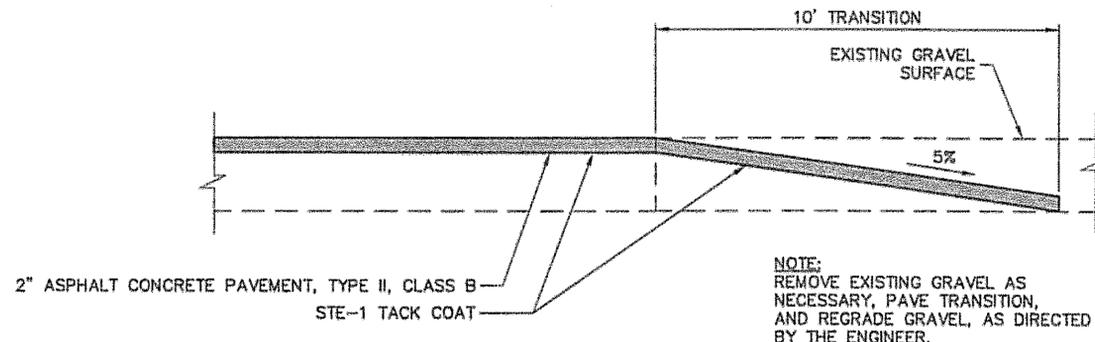
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STATE	YEAR
ALASKA	2004
SHEET NUMBER	TOTAL SHEETS
F12	XX

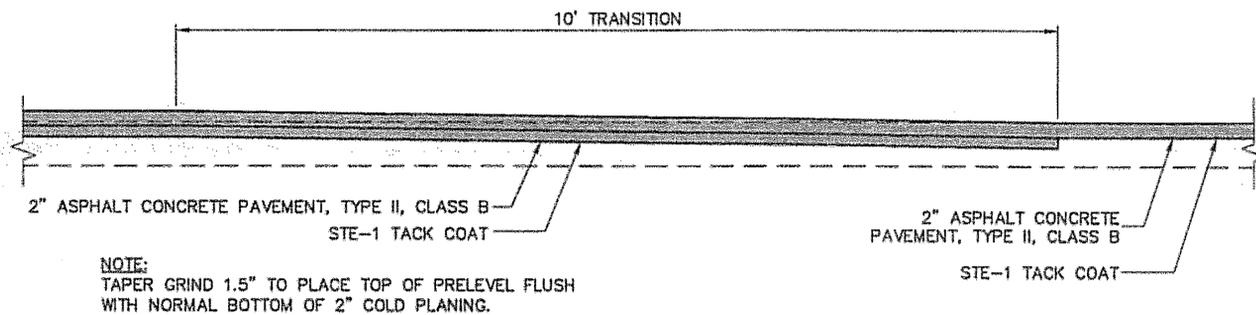
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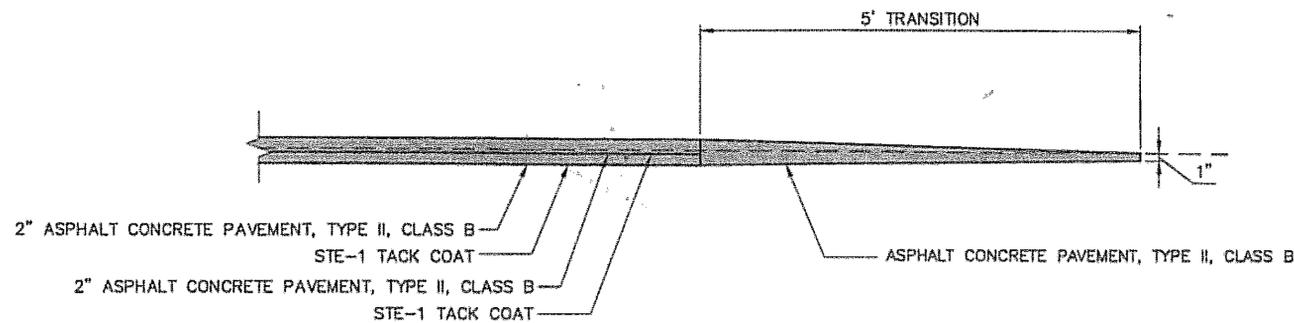
PAVEMENT MATCH DETAIL
(B.O.P. & HERRING COVE BRIDGE)
N.T.S.



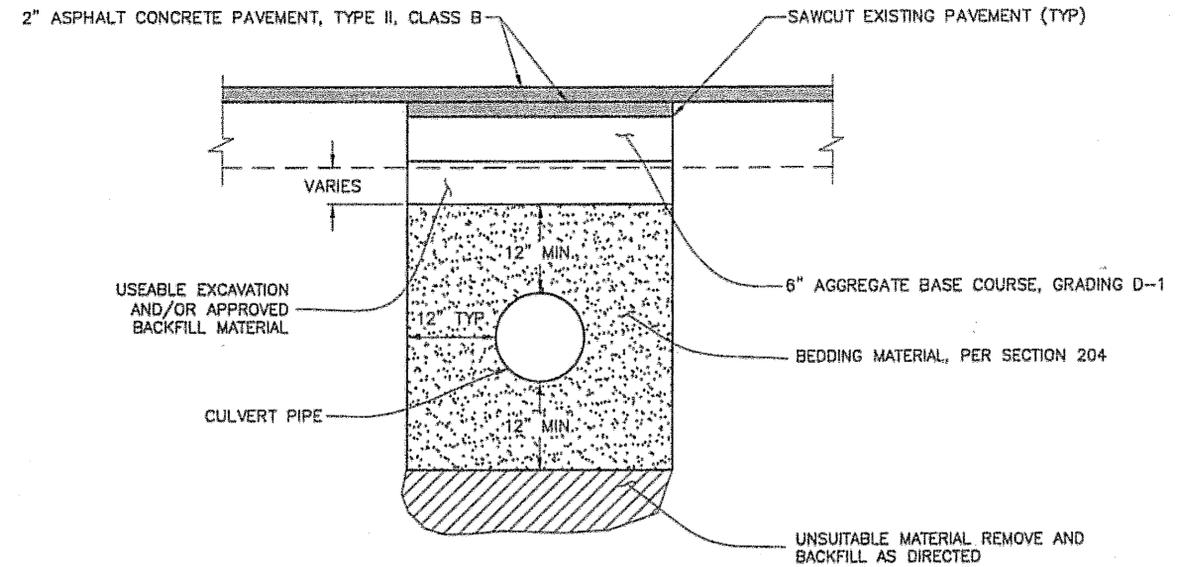
PAVEMENT MATCH DETAIL
(E.O.P.)
N.T.S.



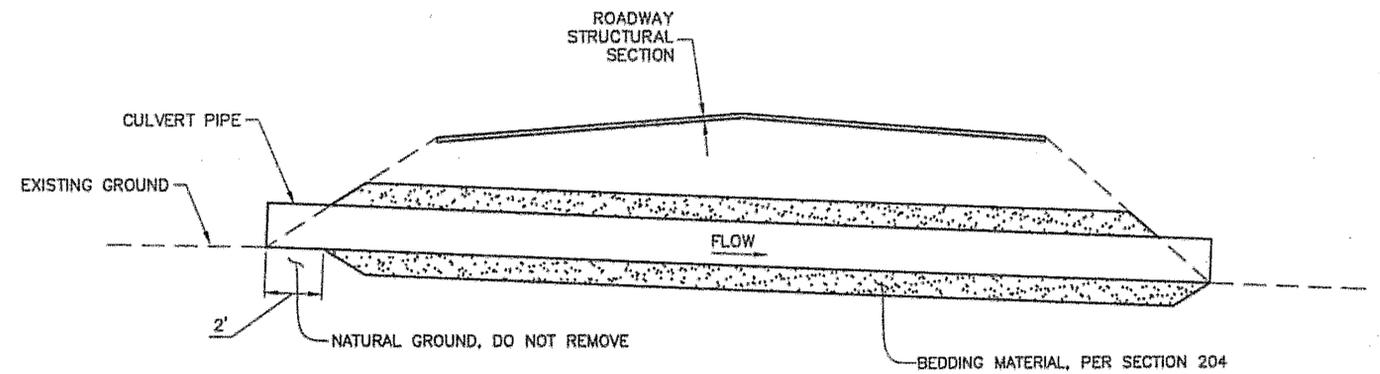
PAVEMENT TRANSITION DETAIL
(END/BEGIN OF PRE-LEVEL AREAS)
N.T.S.



PAVEMENT MATCH DETAIL
(INTERSECTIONS/APPROACHES IN PRELEVEL AREAS)
N.T.S.



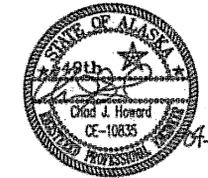
SECTION

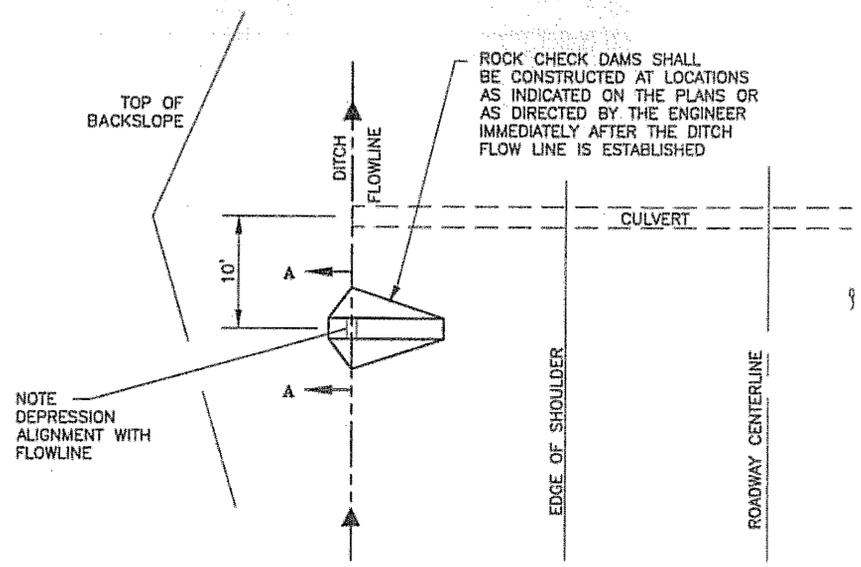


ELEVATION

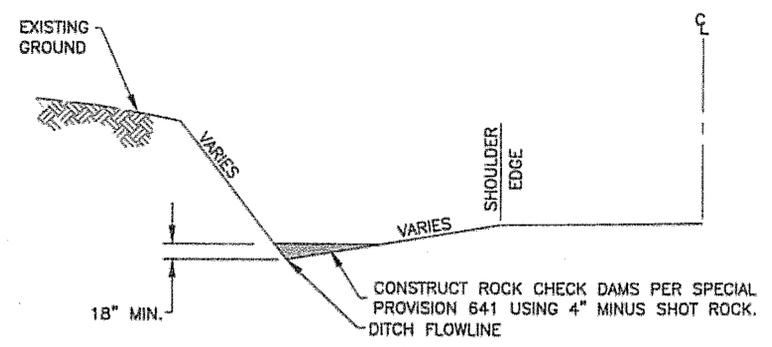
TYPICAL PIPE TRENCHING & BEDDING DETAIL
N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

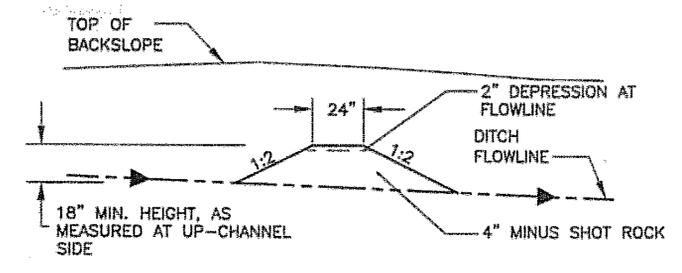
CHECKED BY: P. CARROLL 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-S.E. REGION SOUTH TONGASS HWY. MT. POINT TO HERRING COVE PAVEMENT REFURBISHMENT	
DESIGNED BY: C. HOWARD DRAWN BY: R. SNYDER		MISCELLANEOUS DETAILS	
PATH: Q:\Kln\68326\PlanSet\J_Deta.dwg TAB: J1 Mon, 04/Apr/05 03:27PM rkanyder			
PROJECT DESIGNATION IM-0902(30) 68326	YEAR 2005	SHEET NO. J1	TOTAL SHEETS XX



Plan



Elevation

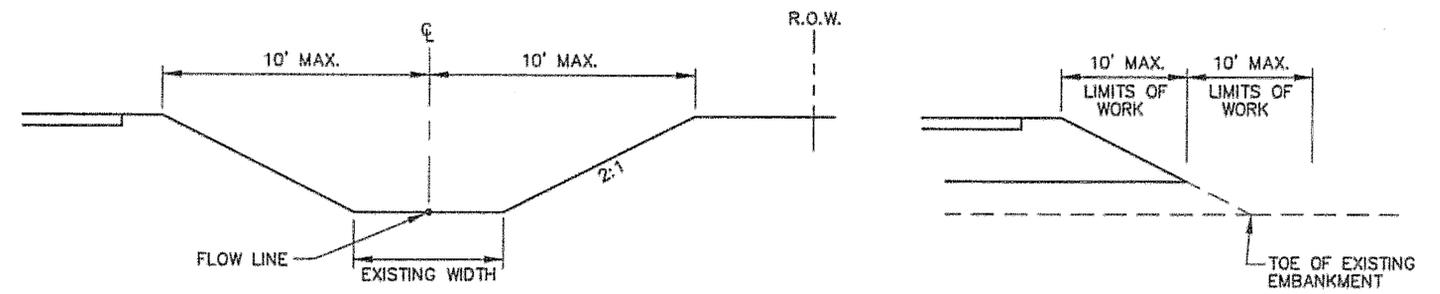


Section A-A

TEMPORARY CHECK DAM DETAILS

TEMPORARY CHECK DAM NOTES:

1. INSTALL EROSION AND SEDIMENT CONTROL DEVICES FOR EARTH DISTURBING ACTIVITIES.
2. MAINTAIN DEVICES. MONITOR DAILY. EXCAVATE CHECK DAMS WHEN 4" OR MORE SEDIMENT.
3. IF INSPECTION REVEALS WATER IS DISCHARGING BEYOND THE PROJECT WORK LIMITS, IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL CHECK DAMS MAY BE REQUIRED.
4. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH SEEDING OR OTHER EFFECTIVE MEASURES. MAINTAIN EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE GRADED AND SEEDING AREAS HAVE ACHIEVED 70% VEGETATIVE COVER.
5. REFER TO PLAN SHEETS FOR LOCATION OF CHECK DAMS.



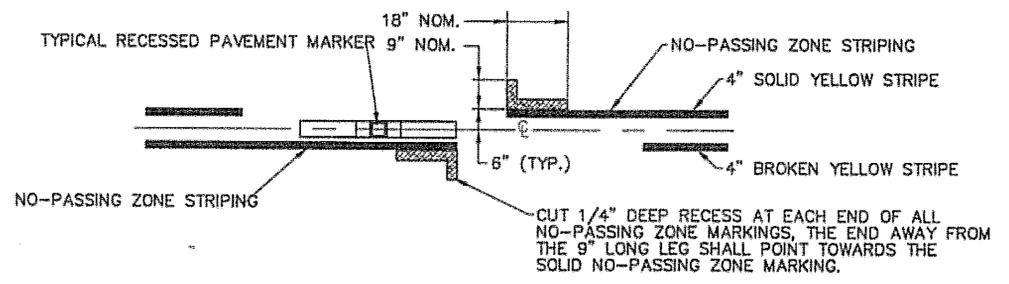
Existing Ditch Section

Existing Fill Section

DITCH RECONDITIONING DETAILS

N.T.S.

- NOTES:**
1. CLEAR 10 FEET MAXIMUM ON EITHER SIDE OF FLOW LINE.
 2. REMOVE AND DISPOSE OF ALL BRUSH.
 3. EXCAVATION TO ESTABLISH FLOW LINE IS INCIDENTAL TO DITCH RECONDITIONING.
 4. SEEDING IS REQUIRED TO STABILIZE SLOPE OF DITCH.



NO-PASSING ZONE MARKING GROOVE DETAIL

RECESSED PAVEMENT MARKER NOTES

1. RECESSED PAVEMENT MARKERS (R.P.M.'s) SHALL BE INSTALLED BETWEEN THE B.O.P. AND THE E.O.P.
2. THE LOCATIONS OF ALL PASSING AND NO-PASSING ZONES SHALL BE DETERMINED AND LOCATED IN THE FIELD BY THE ENGINEER. NO PASSING ZONE MARKING GROOVES SHALL BE CONSIDERED INCIDENTAL TO ITEM 670 (B), RECESSED PAVEMENT MARKINGS AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: P. CARROLL

DESIGNED BY: C. HOWARD

DRAWN BY: R. SHYDER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-S.E. REGION

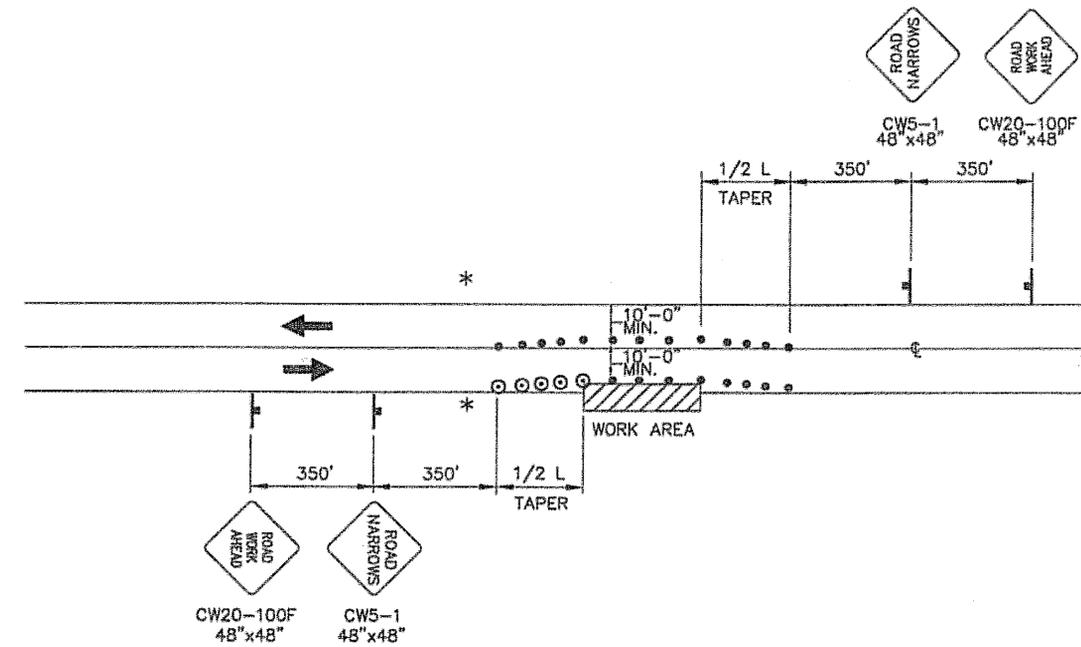
**SOUTH TONGASS HWY.
MT. POINT TO HERRING COVE
PAVEMENT REFRUBISHMENT**

**MISCELLANEOUS
DETAILS**

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REVISIONS			PROJECT DESIGNATION	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	IM-0902(30) 68326	J2	XX

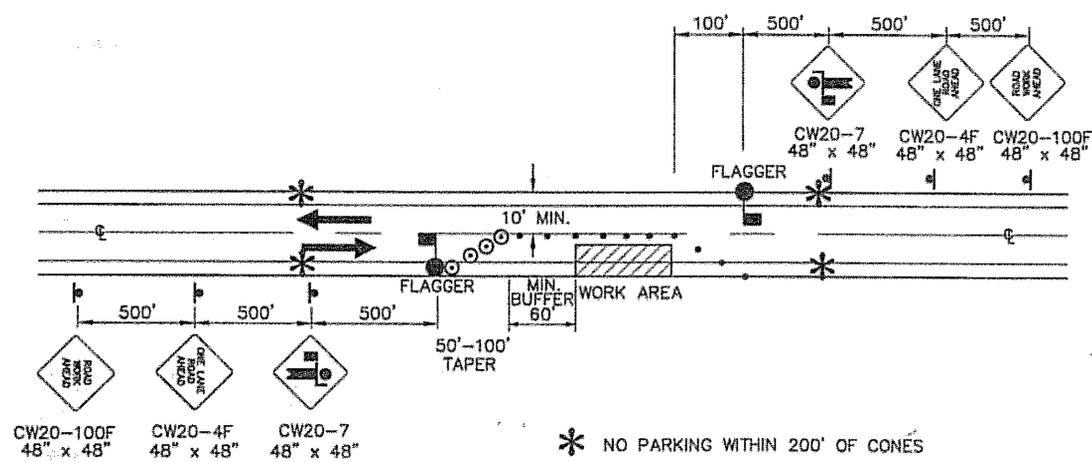
TRAFFIC CONTROL NOTES

1. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES, THROUGH ALL WORK AREAS.
2. TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORK HOURS. UNLESS AN APPROVED TRAFFIC CONTROL SIGNAL HAS BEEN INSTALLED.
3. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
4. FOR WHICH THE SIGNS ARE INTENDED, CONSTRUCTION SIGNS SHALL BE PLACED SUCH THAT THEY DO NOT OBSCURE EXISTING TRAFFIC SIGNS.
5. WORK ZONE DOUBLE TRAFFIC FINES SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER AND PER STANDARD DRAWING C-04.12.
6. WARNING LIGHTS SHALL BE USED ON ALL CHANNELIZING DEVICES PLACED ALONG OR AROUND ROADWAY HAZARDS AS DIRECTED BY THE ENGINEER.
7. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE PORTIONS OF DETAILS ON THESE SHEETS.



ROADWAY ENCROACHMENT

NOTE: IF ONLY ONE LANE IS AFFECTED 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 SHALL BE DELETED.



TWO LANE ROAD - SINGLE LANE CLOSURE

Double Flagger

LEGEND

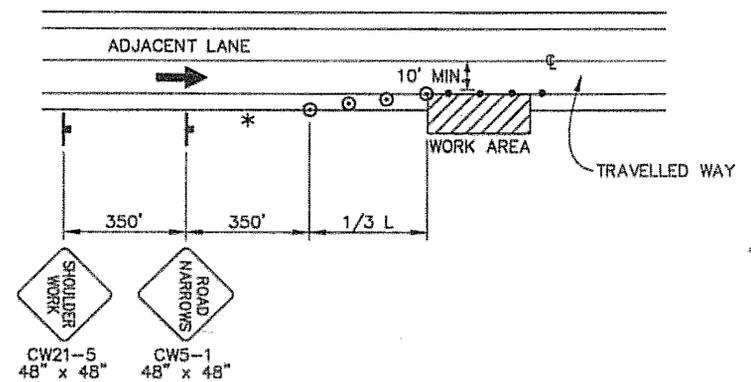
- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION

WHERE

- L = LENGTH OF TAPER
- W = WIDTH OF OFFSET
- T = TAPER RATE
- L = W x T

TCP TABLE SETUP

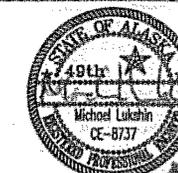
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25	55	25	10:1
30	85	30	15:1
35	120	35	20:1
40	170	40	30:1
45	220	45	45:1
50	280	50	50:1
55	335	55	55:1
60	415	60	60:1
65	485	65	65:1



SHOULDER WORK

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: M. LUKSHIN



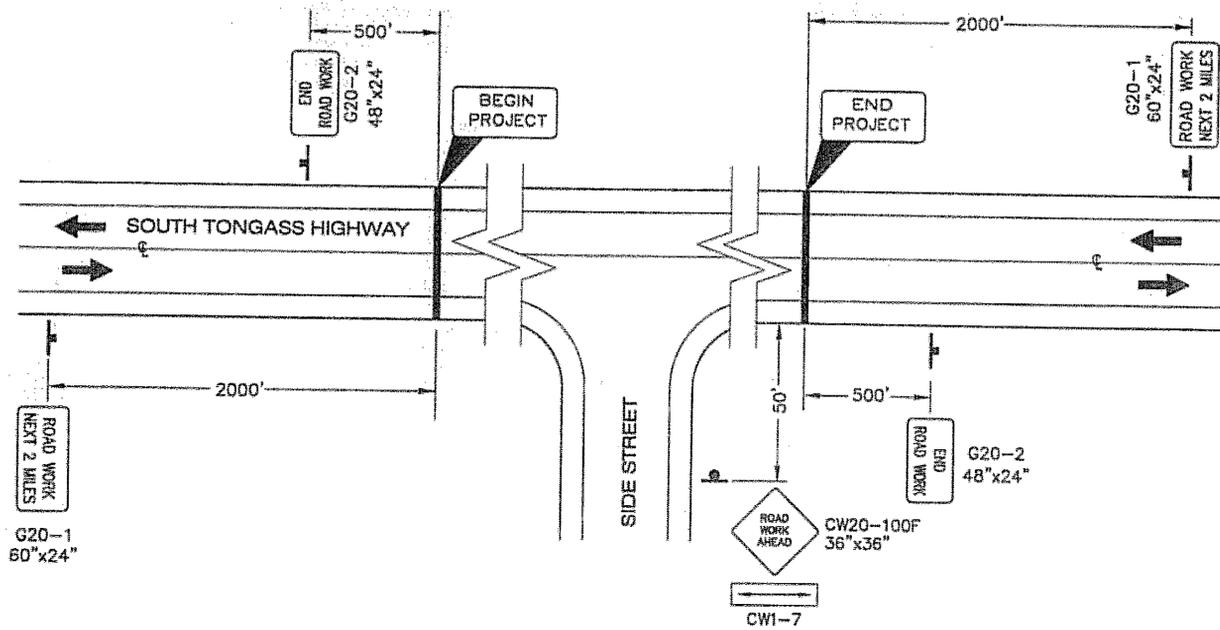
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-S.E. REGION
**SOUTH TONGASS HWY.
MT. POINT TO HERRING COVE
PAVEMENT REFINISHMENT**

TRAFFIC CONTROL PLAN

DESIGNED BY: R. PURVES
DRAWN BY: R. SNYDER

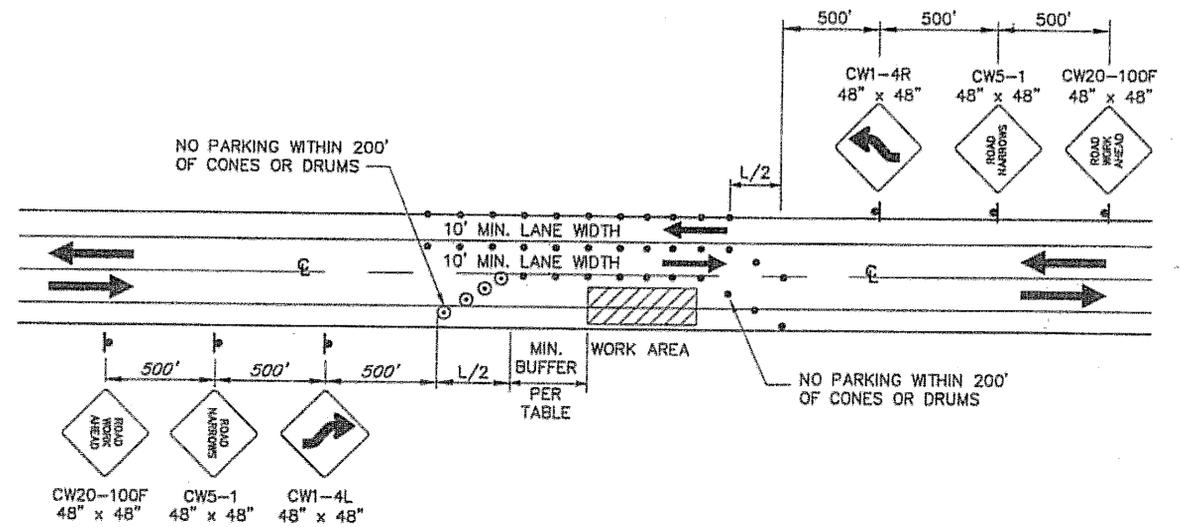
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NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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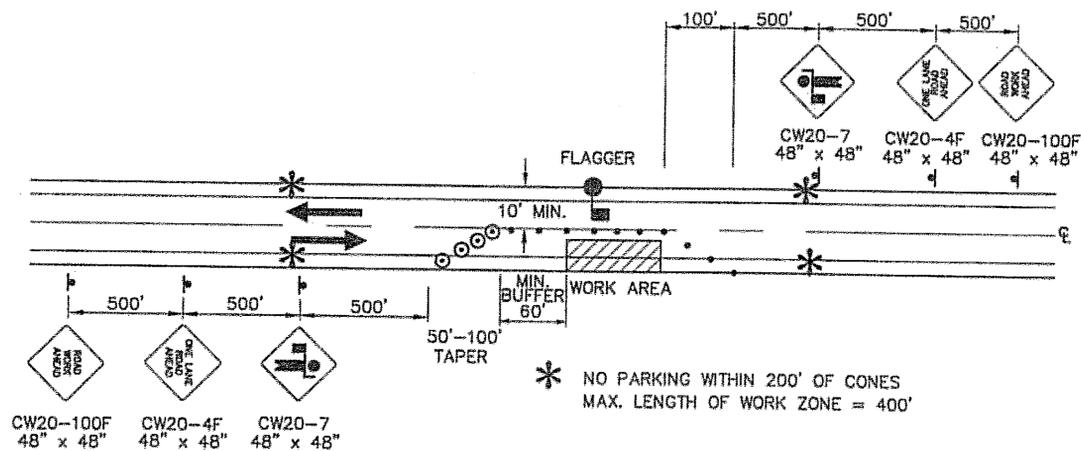


PERMANENT CONSTRUCTION SIGNING

NOTE:
THIS DETAIL APPLIES TO SIDE STREETS: ACCESS TO MOUNTAIN POINT BOAT LAUNCH, FRANKLIN ROAD, ROOSEVELT DRIVE, WOOD ROAD, POWER HOUSE ROAD, AND AS DIRECTED BY THE ENGINEER.



TWO-WAY TRAFFIC



TWO LANE ROAD - SINGLE LANE CLOSURE
Single Flagger

LEGEND

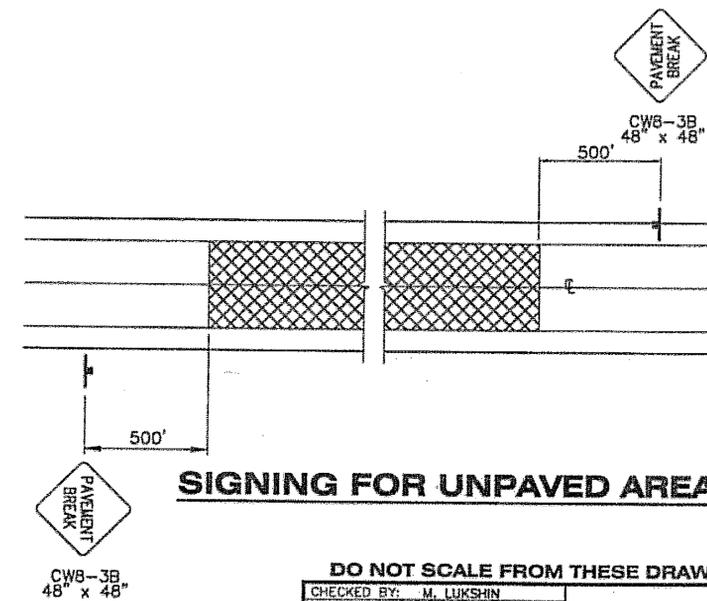
- SIGN
- CONE
- DRUM
- ||||| TYPE III BARRICADE
- FLAGGING STATION

WHERE

- L = LENGTH OF TAPER
- W = WIDTH OF OFFSET
- T = TAPER RATE
- $L = W \times T$

TCP TABLE SETUP

SPEED (MPH)	BUFFER/LENGTH (ft.)	CONES/DRUM SPACING (ft.)	TAPER FACTOR (T)
20	35	20	7:1
25	55	25	10:1
30	85	30	15:1
35	120	35	20:1
40	170	40	30:1
45	220	45	45:1
50	280	50	50:1
55	335	55	55:1
60	415	60	60:1
65	485	65	65:1



SIGNING FOR UNPAVED AREA

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: M. LUKSHIN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES DIVISION-S.E. REGION

**SOUTH TONGASS HWY.
MT. POINT TO HERRING COVE
PAVEMENT REFURBISHMENT**

TRAFFIC CONTROL PLAN

DESIGNED BY: R. PURVES
DRAWN BY: R. SNYDER

PATH: Q:\Ktn\68326\PlanSet\5_TCP.dwg
TAB: S2 Mon, 04/Apr/05 04:10PM rksnyder

NO.	DATE	REVISIONS DESCRIPTION	YEAR	SHEET NO.	TOTAL SHEETS
			2005	S2	XX

PROJECT DESIGNATION: IM-0902(30) 68326

ESTIMATE OF QUANTITIES					
ITEM	PAY ITEM	UNIT	N. TONGASS HWY.	S. TONGASS HWY.	TOTAL QTY.
201 (7)	CULVERT END CLEANING	EACH	7 11	2	7 13
201 (8)	CONTROL OF INCISIVE PLANTS	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	1440 1031.5	703 053	2143 139.5
202 (8)	REMOVAL OF INLET	EACH	1	1	1
202 (10)	SINGLE MAILBOX INSTALLATION	EACH	1	1	1
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	1580 382.6		1580 382.6
203 (5)	BORROW	TON	570 446.37	16 33	570 462.7
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	3000 2684.78	204 62	3000 2889.4
303 (3)	DITCH RECONDITIONING	LINEAR FOOT	20400 21471	100 164	20500 21635
306 (1)	ATB	TON	8720 6287.56		8720 6287.56
308 (1)	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	74700 74716.20		74700 74716.20
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	TON	525 526.81		525 526.81
308 (3)	PORTLAND CEMENT	TON	170 160.90		170 160.90
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	8988 9454.91	7250 7276.22	16238 16731.13
401 (2)	ASPHALT CEMENT, GRADE PG 58-22	TON	845 769.22	440 292.14	1285 1061.36
401 (8)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	28 20.78	25 15.15	27 35.93
408 (1)	PAVEMENT COLD PLANING	SQUARE YARD		53000 50572	53000 50572
506 (1)	TREATED LUMBER	LUMP SUM	ALL REQUIRED		ALL REQUIRED
603 (1-18)	18 INCH CORRUGATED STEEL PIPE	LINEAR FOOT		20	20
603 (11-36)	END SECTION FOR 36 INCH CORRUGATED ALUMINUM PIPE	EACH		2	2
603 (21-18)	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	500 542.90	281 299.6	781 842.5
603 (21-24)	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	685 903.90	500 249.80	1245 1148.7
603 (21-36)	36 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	278 423.30		278 423.30
604 (4)	ADJUST EXISTING MANHOLE	EACH		7 15	7 15
604 (5)	INLET, TYPE A	EACH		2	2
606 (1)	W-BEAM GUARDRAIL	LINEAR FOOT	500 450	925	1425 1375
606 (5)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	840 925	925 7537.50	1765 2322.5
606 (11)	EXTRUDER TERMINAL (ET-2000)	EACH	11	14	25
606 (13)	REPLACE W-BEAM	LINEAR FOOT	340 400	880 975	1180 1375
606 (14)	DOWNSTREAM END ANCHOR	EACH		7	7
606 (15)	ADJUST EXISTING GUARDRAIL	LINEAR FOOT	1375	1125 1362.5	1125 2737.5
615 (1)	STANDARD SIGN	SQUARE FOOT	588 621.20	386 387.73	974 1008.9
618 (2)	SEEDING	POUND	400		400
627 (10)	ADJUSTMENT OF VALVE BOX	EACH		11 16	11 16
633 (1)	SILT FENCE	LINEAR FOOT	3200		3200
639 (1)	RESIDENCE DRIVEWAY	EACH	122 119		122 119
639 (2)	COMMERCIAL DRIVEWAY	EACH	10 13		10 13
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641 (1)	EROSION AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641 (2)	TEMPORARY EROSION AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641 (5)	TEMPORARY CHECK DAM	EACH	28 40	20	28 40
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642 (11)	ADJUST EXISTING MONUMENT CASE	EACH		34 0	34 0
642 (13)	INSTALL MONUMENT WITH CASE	EACH	28 18	31	28 49
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643 (15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643 (25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
644 (1)	FIELD OFFICE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
670 (8)	RECESSED PAVEMENT MARKER	EACH	740 318	700 369	1440 687
670 (10)	METHYL METHACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED

615 (1a)
401 (1c)

Corrected signs
Craftco Joint Compound

Lump Sum
Lump Sum
All Required
All Required

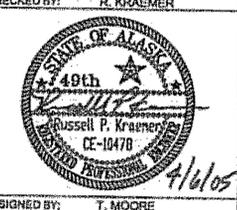
BASIS OF ESTIMATE		
ITEM	PAY ITEM	ESTIMATING FACTOR
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	1.95 TON/C.Y.
306 (1)	ASPHALT TREATED BASE COURSE	120 LB./S.Y./IN.
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	1.7 GAL./TON & 243 GAL./TON
308 (3)	PORTLAND CEMENT	4.5 LBS./S.Y.
401 (1)	ASPHALT CEMENT, TYPE II, CLASS B	120 LB./S.Y./IN.
401 (2)	ASPHALT CEMENT, GRADE PG 58-22	6% OF ITEM 401 (1) & 4.5% OF ITEM 306 (1)
402 (1)	STE-1 ASPHALT FOR TACK COAT	243 GAL./TON & 0.1 GAL./S.Y.
506 (1)	TREATED LUMBER	36 INCH WIDE STAIRWAY WITH 20 TREADS

203(20) shoulder work Lump Sum All Required

Supplemental Agreement NO. 1
(Saxman Paving) 68053

401(1a) Cold Planing and Paving Complete Lump Sum All Required
 603(22-18) 18in Corrugated Polyethylene Pipe Lump Sum All Required
 603(22-24) 24in Corrugate Polyethylene Pipe Lump Sum All Required
 303(4) Ditch Recondition Lump Sum All Required
 203(3) Unclassified Excavation cubic yard 65.20
 401(1) Asphalt Concrete, Type II, Class B Ton 27.87
 401(2) Asphalt Cement, Grade PG 58-22 Ton 1.62
 629(2) Commercial Driveway Each 2
 401(1b) Approach Drainage paving Square Foot 2.232.00

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. KRAEMER	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES S.E. REGION DESIGN & ENGINEERING SERVICES DIVISION KETCHIKAN NORTH TONGASS HIGHWAY WHIPPLE CREEK TO MP 15 PROJECT NO. 68062 & SOUTH TONGASS HIGHWAY STAGE II PAVEMENT REFURBISHMENT PROJECT NO. 68326
DESIGNED BY: T. MOORE	
DRAWN BY: D. STEVENS	
PATH: Q:\01\68062\DRD_Sums.dwg	ESTIMATE OF QUANTITIES YEAR: 2005 SHEET NO: BB1 TOTAL SHEETS: XX
TAB: BB1	