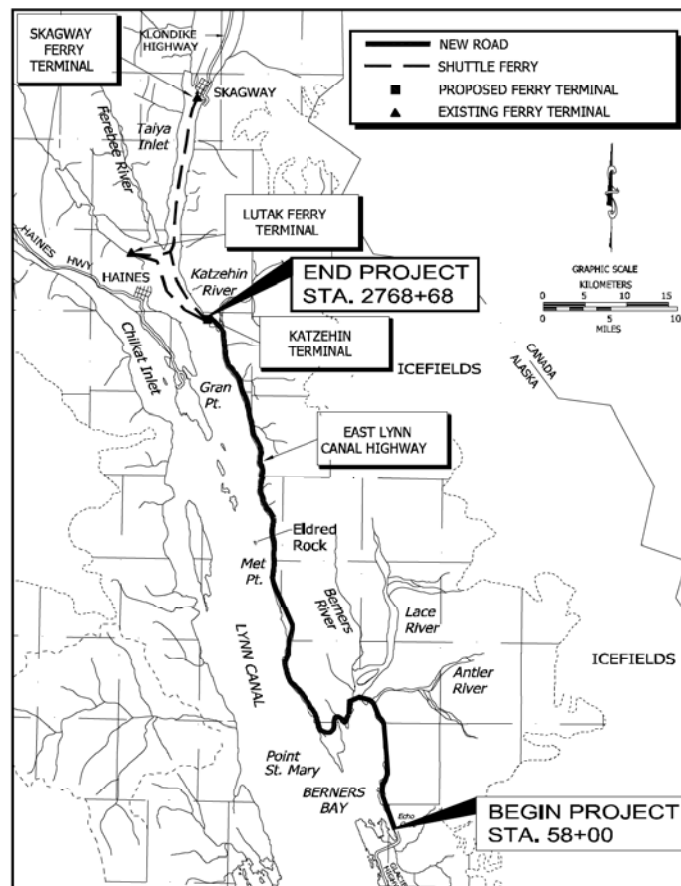
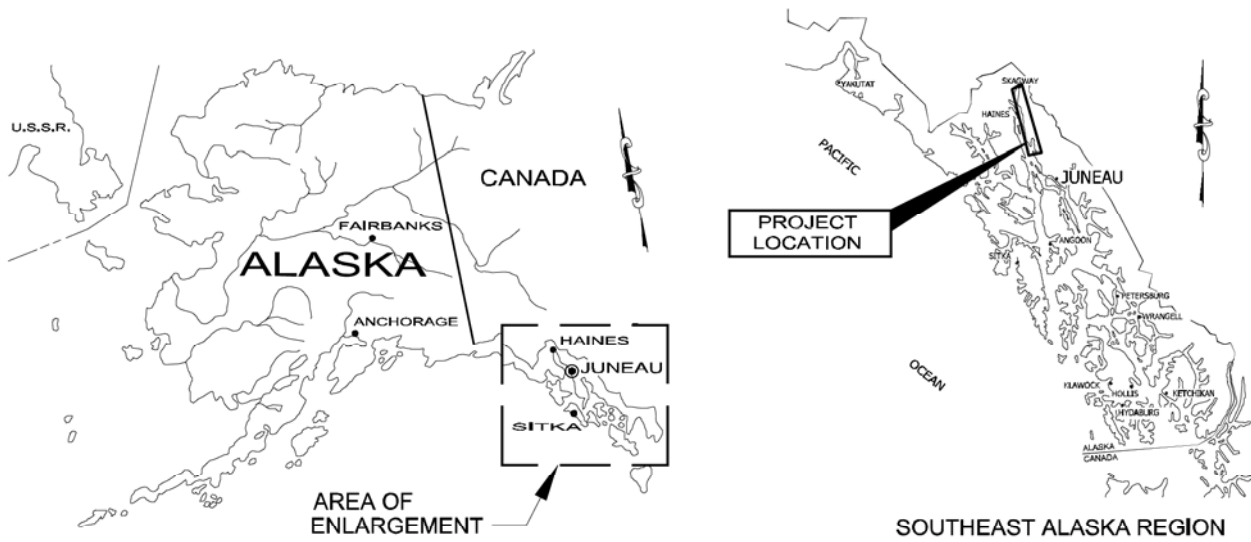




ADJACENT PROPERTY OWNERS:

PROPOSED ACCESS ROAD

WATER BODY:

LYNN CANAL AND BERNERS BAY

LOCATION AND VICINITY MAPS

APPLICATION BY:

ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

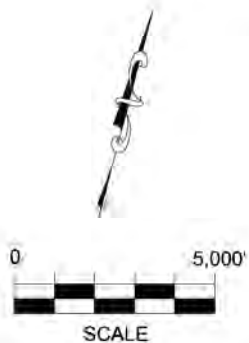
LOCATED IN: T. 31 S. TO T. 37 S. & R. 60 E. TO R. 64 E.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **1** OF **93**

SHEETS ARE ONLY SHOWN FOR
AREAS HAVING WETLANDS
OR WATERS OF THE U.S. THAT
ARE AFFECTED BY THIS PROJECT.

SHEET NUMBERS SHOWN ON
THIS PLAN REFER TO DETAIL
PLAN SHEETS 28 THROUGH 90.



CASCADE
POINT
CASCADE
PT. ROAD

BERNERS BAY

ECHO COVE

BEGIN PROJECT
STA. 58+00

Legend Detail Plan Sheet Numbers

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AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 36 S., R. 63 E.,
T. 37 S., R. 63 E.,
T. 37 S., R. 64 E.

DETAIL PLAN SHEETS
DATE: October 2014

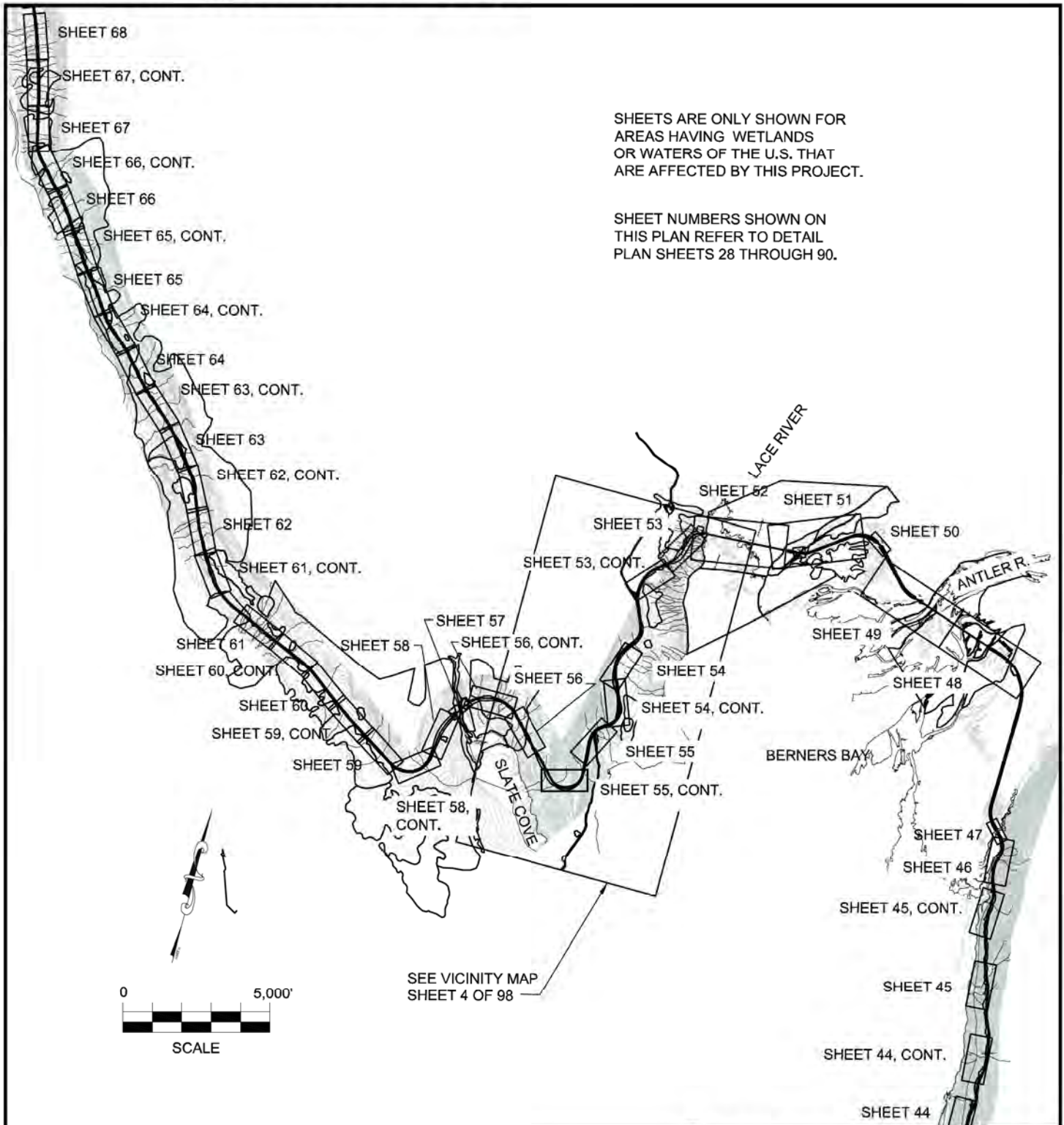
SHEET **2** OF **93**

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND
OTHERS, VARIES
2. GOLDBELT, INC.
3. SEALASKA, CORP.

WATER BODY:

LYNN CANAL AND BERNERS BAY



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. A.D.N.R.
3. COEUR ALASKA, INC.

WATER BODY:

LYNN CANAL AND BERNERS BAY

**Legend
Detail Plan
Sheet Numbers**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

**JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2**

AT: JUNEAU, ALASKA

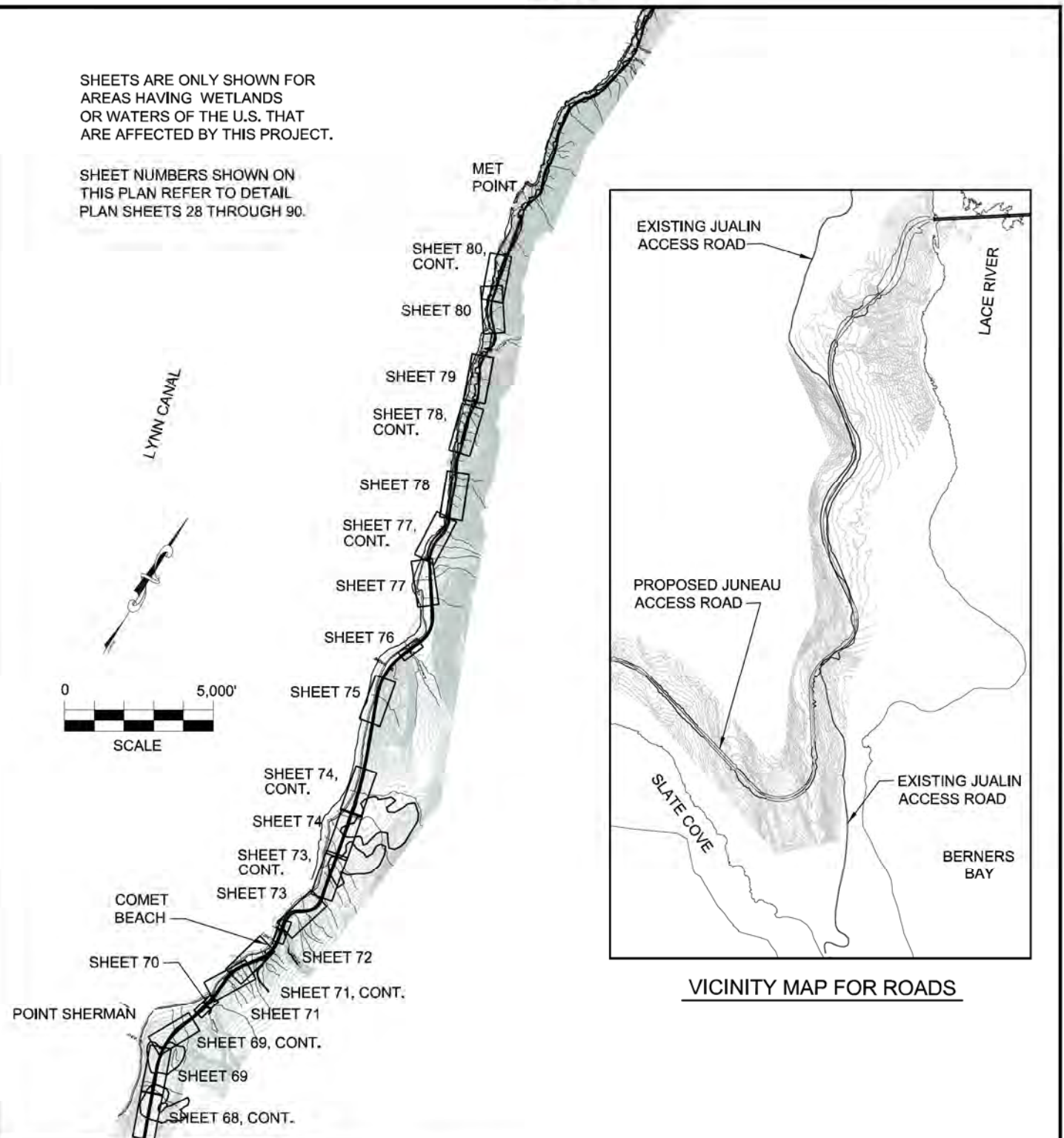
LOCATED IN: T. 36 S., R. 63 E.,
T. 35 S., R. 63 E.,
T. 35 S., R. 62 E.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **3** OF **93**

SHEETS ARE ONLY SHOWN FOR
AREAS HAVING WETLANDS
OR WATERS OF THE U.S. THAT
ARE AFFECTED BY THIS PROJECT.

SHEET NUMBERS SHOWN ON
THIS PLAN REFER TO DETAIL
PLAN SHEETS 28 THROUGH 90.



VICINITY MAP FOR ROADS

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. A.D.N.R.
3. COEUR ALASKA, INC.

WATER BODY:

LYNN CANAL AND BERNERS BAY

**Legend
Detail Plan
Sheet Numbers**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

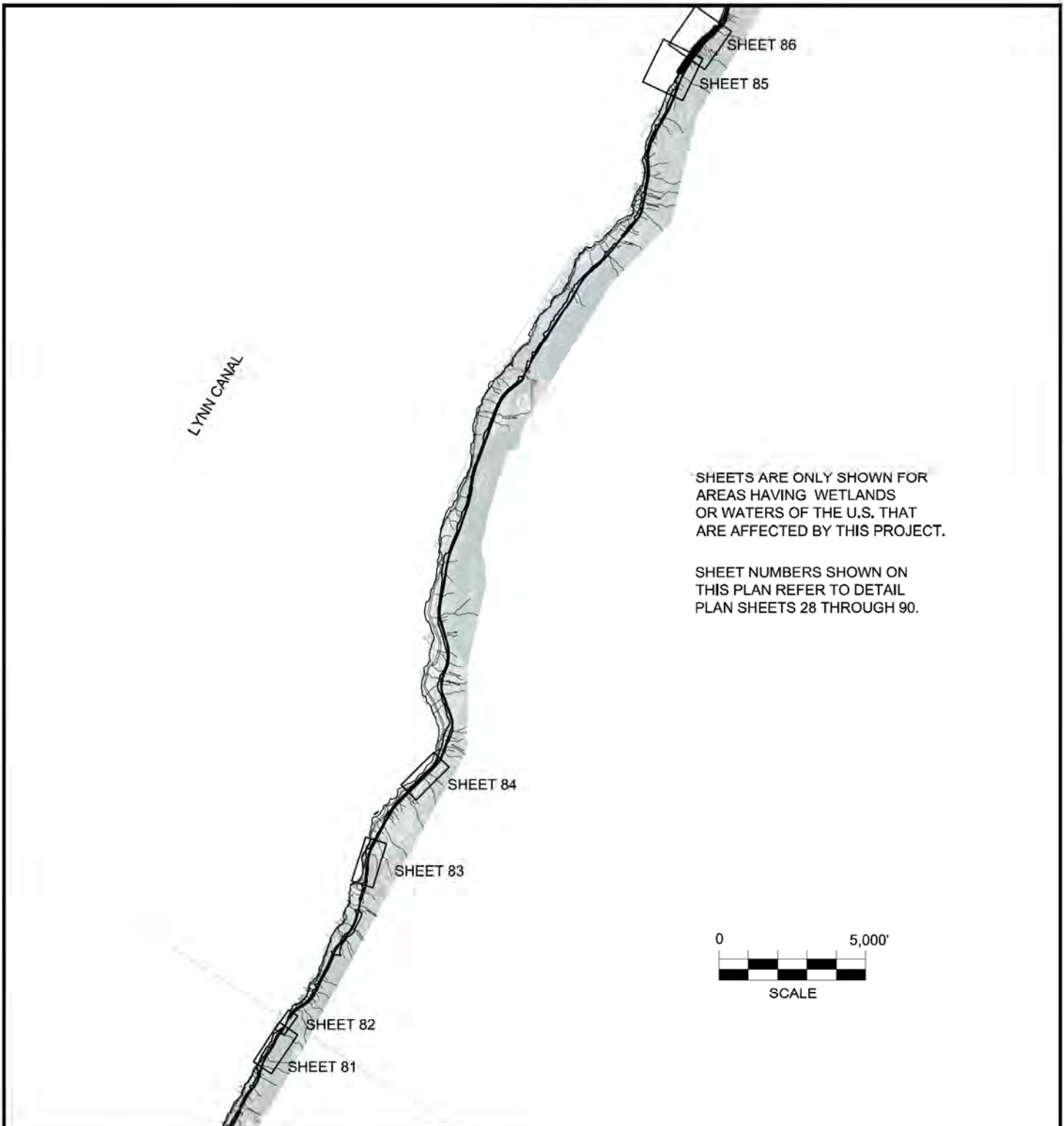
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FILE # : POA - 2006 - 597 - 2**

AT: JUNEAU, ALASKA

LOCATED IN: T. 34 S., R. 61 E.,
T. 34 S., R. 62 E.,
T. 35 S., R. 62 E.,
T. 33 S., R. 61 E.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **4** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. A.D.N.R.

WATER BODY:

LYNN CANAL AND BERNERS BAY

**Legend
Detail Plan
Sheet Numbers**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

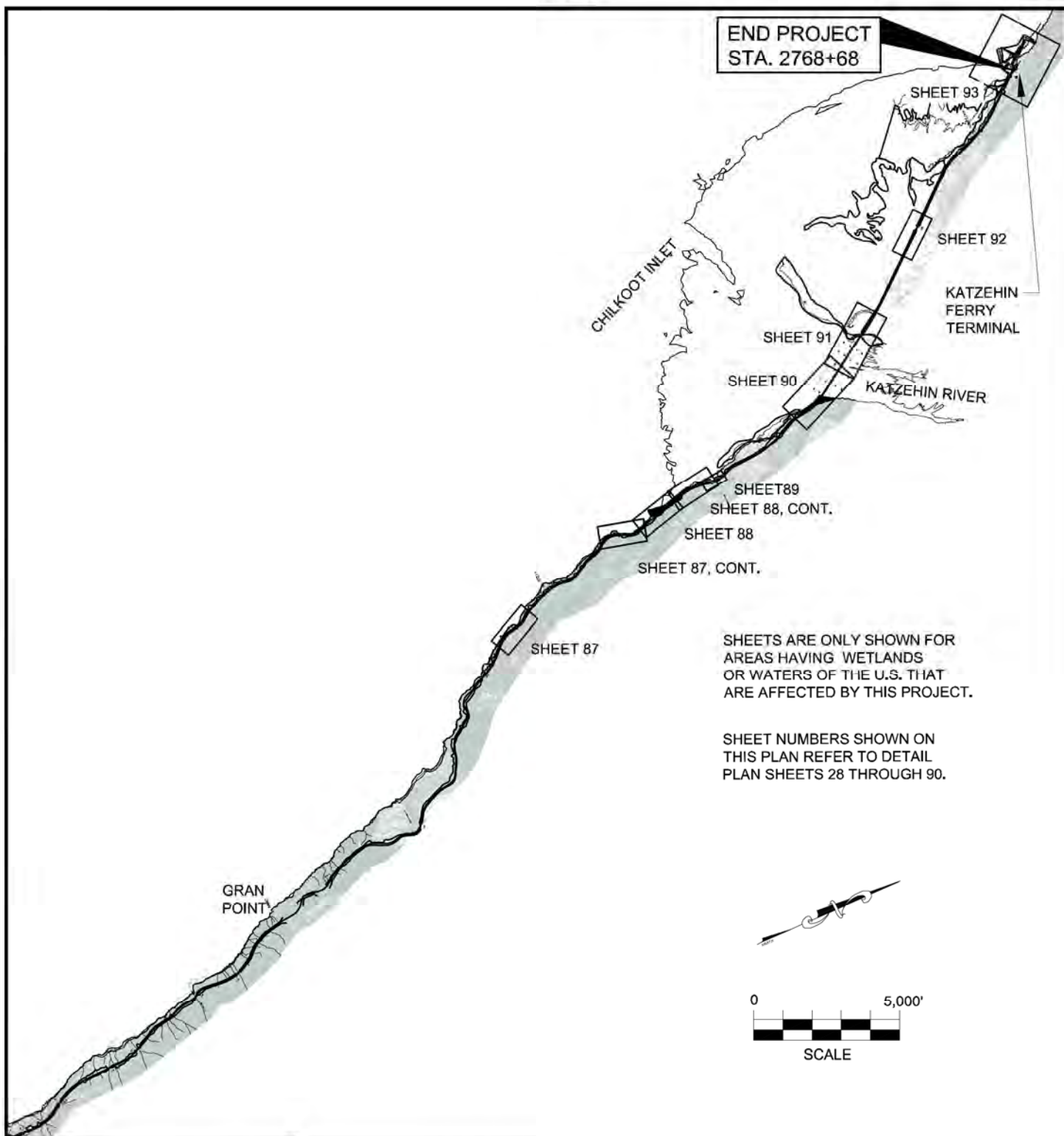
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FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 33 S., R. 61 E.,
T. 32 S., R. 61 E.,

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **5** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

**Legend
Detail Plan
Sheet Numbers**

APPLICATION BY:
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AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

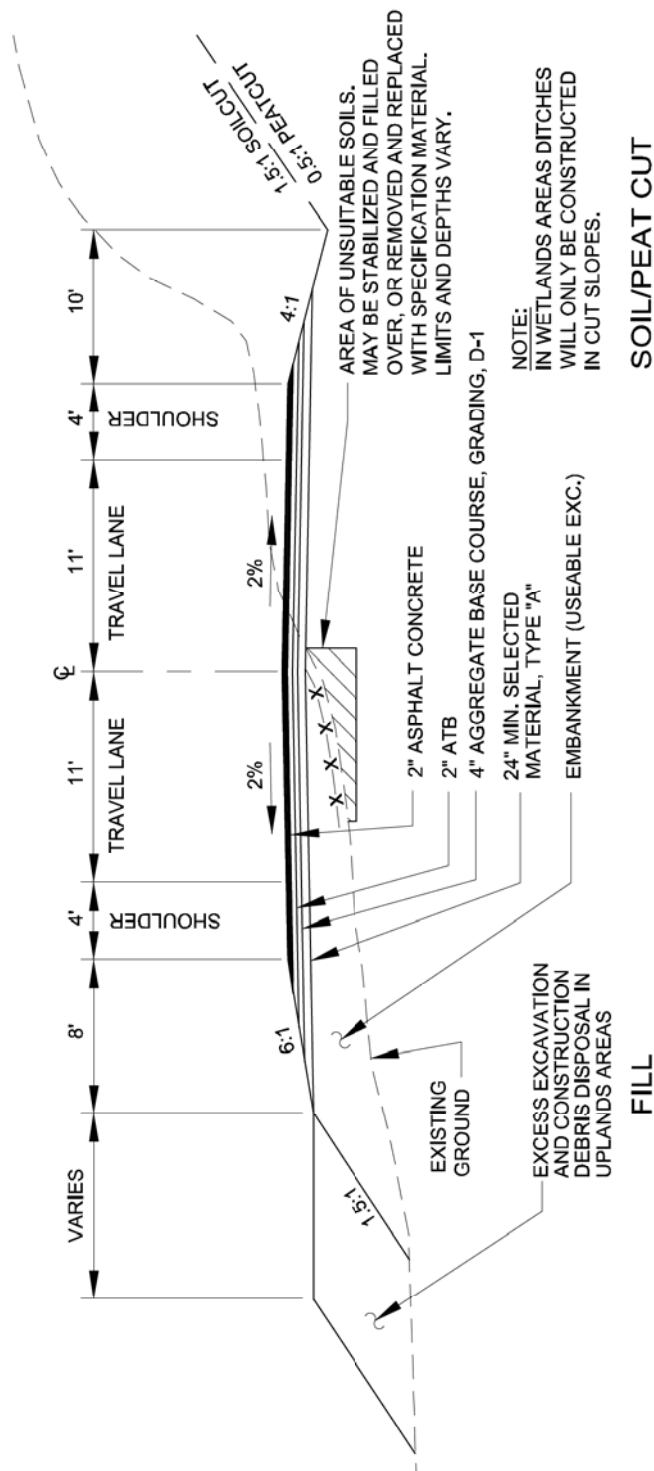
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FILE # : POA - 2006 - 597 - 2**

AT: JUNEAU, ALASKA

LOCATED IN: T. 32 S., R. 60 E.,
T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **6** OF **93**



TYPICAL ROADWAY SECTION
CUT AND FILL TYPICAL BOTH SIDES OF ROADWAY

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

TYPICAL ROADWAY SECTION

APPLICATION BY:
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AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

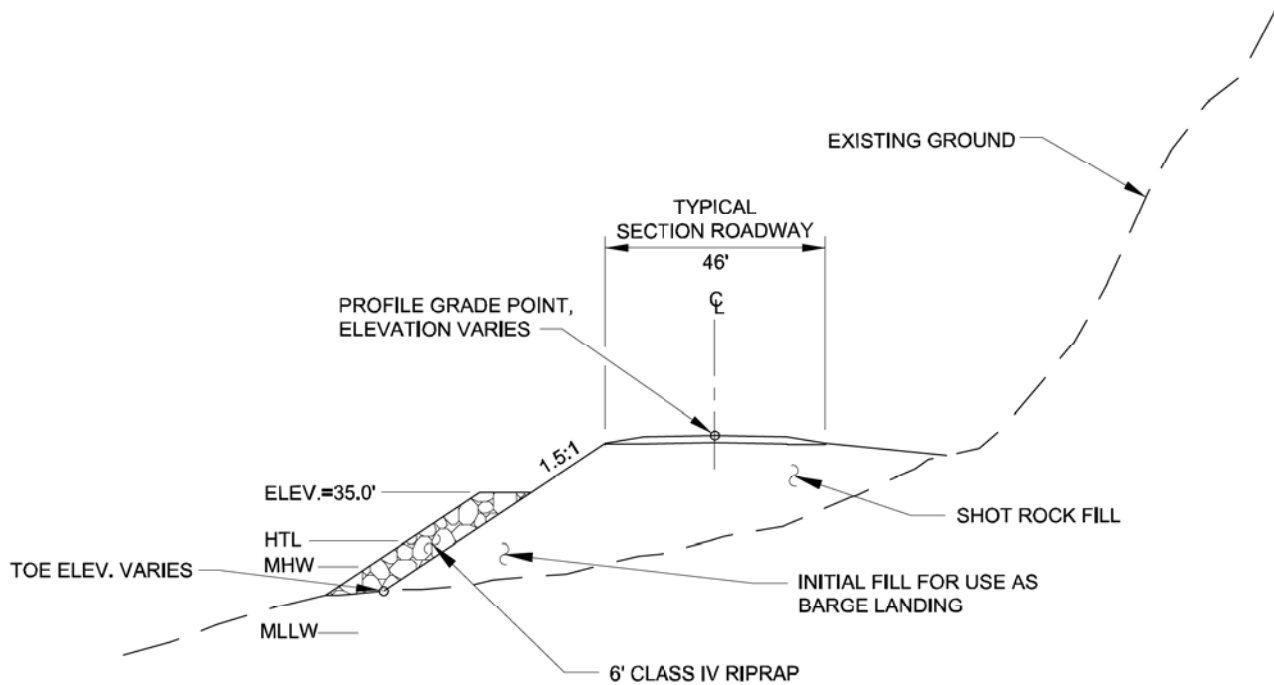
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FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 32 S., R. 60 E.,
T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **7** OF **93**



TIDELANDS FILL TYPICAL

NOTE:

FOR ALL DRAWINGS:

HIGH TIDE LINE (HTL) = 21.0'

MEAN HIGH WATER (MHW) = 15.6'

MEAN LOWER LOW WATER (MLLW) = 0.0'

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

TIDELANDS FILL TYPICAL

APPLICATION BY:

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AND PUBLIC FACILITIES
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JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

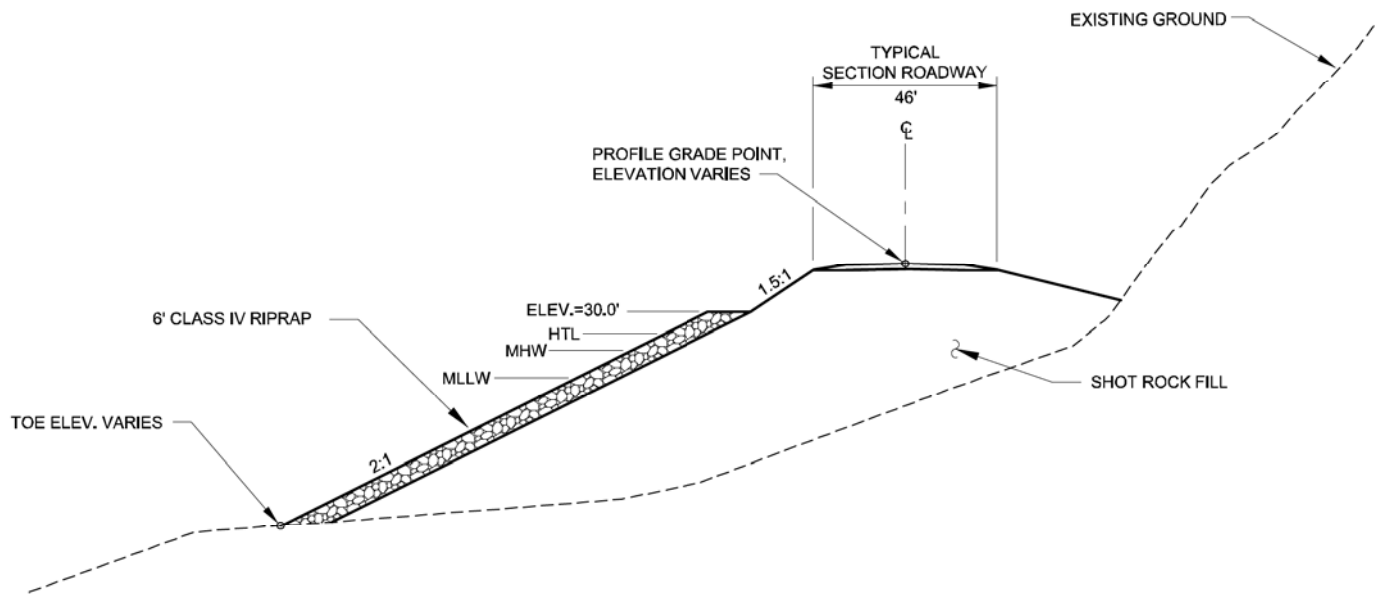
AT: JUNEAU, ALASKA

LOCATED IN: T. 32 S., R. 60 E.,
T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS

DATE: October 2014

SHEET **8** OF **93**



DEEP WATER FILL TYPICAL

NOTE:

FOR ALL DRAWINGS:
 HIGH TIDE LINE (HTL) = 21.0'
 MEAN HIGH WATER (MHW) = 15.6'
 MEAN LOWER LOW WATER (MLLW) = 0.0'

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

DEEP WATER FILL TYPICAL

APPLICATION BY:
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 AND PUBLIC FACILITIES
 S.E. REGION DESIGN & ENGINEERING SERVICES

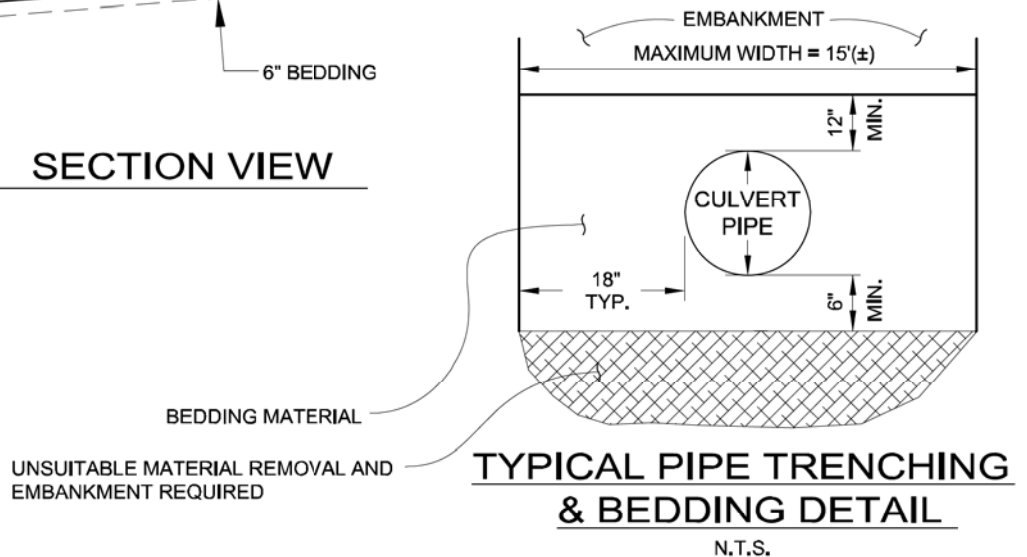
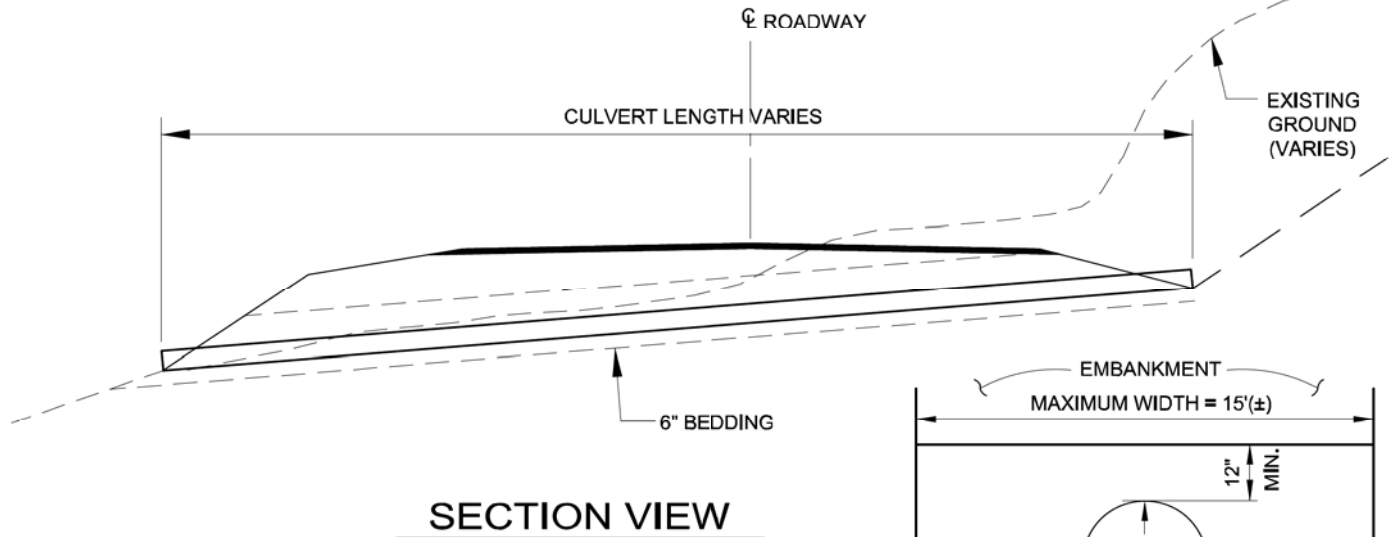
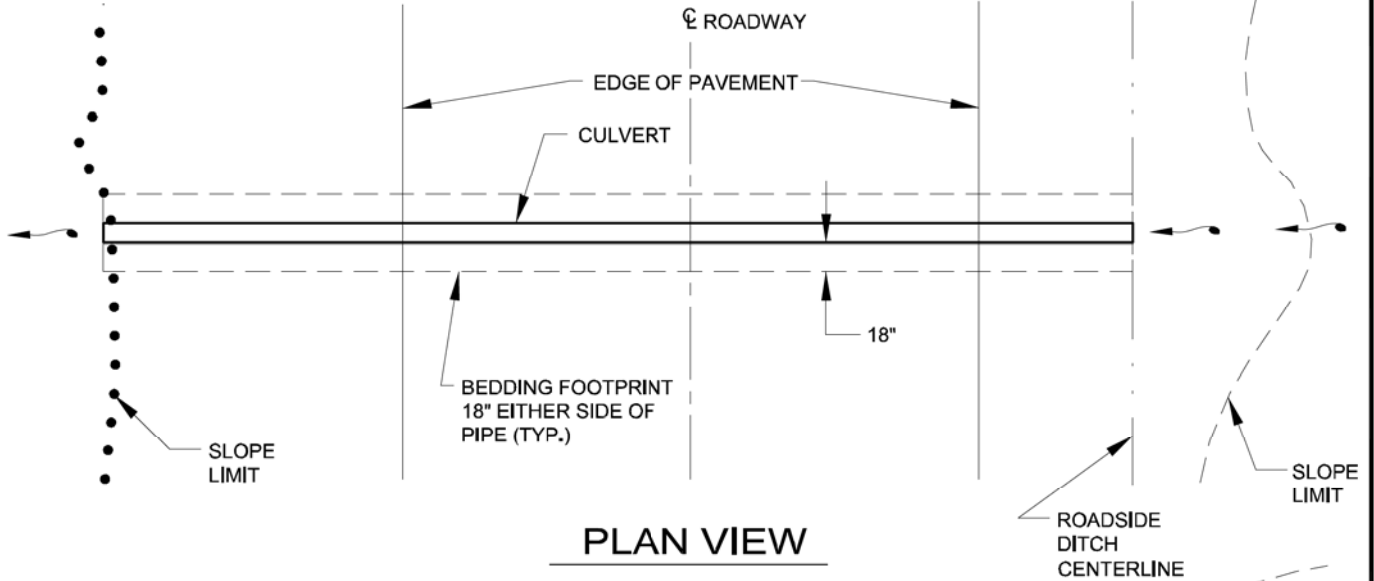
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 FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 32 S., R. 60 E.,
 T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS
 DATE: October 2014

SHEET **9** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

TYPICAL CULVERT INSTALLATION DETAIL

APPLICATION BY:
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AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

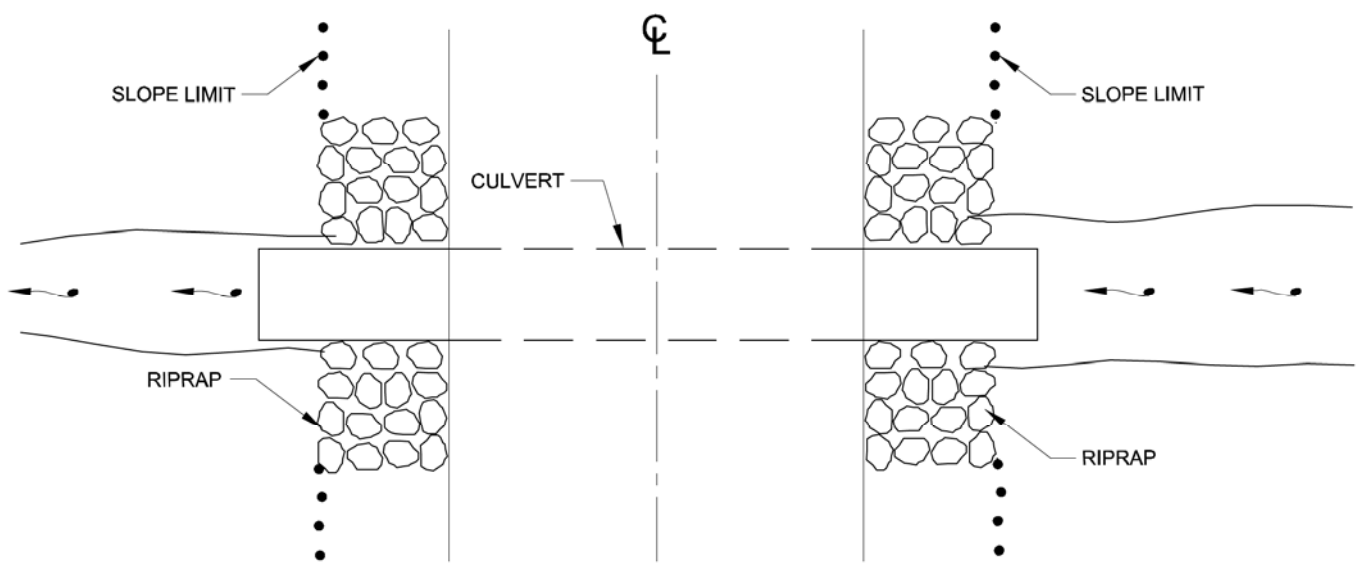
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FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

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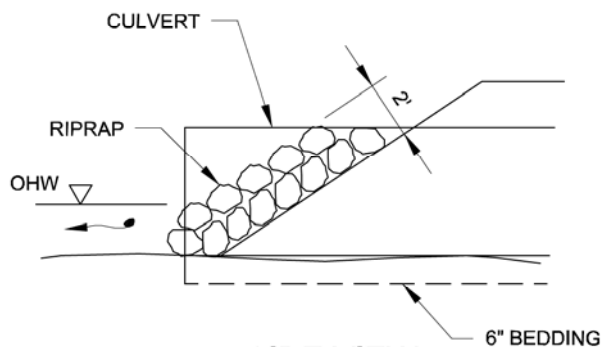
DETAIL PLAN SHEETS
DATE: October 2014

SHEET **10** OF **93**

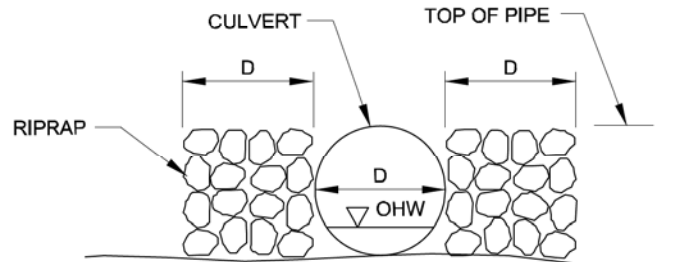


PLAN VIEW

N.T.S.



SIDE VIEW



END VIEW

TYPICAL RIPRAP PLACEMENT

N.T.S.

CULVERT NOTES:

1. PIPE LOCATIONS AS SHOWN ON THE PLAN AND PROFILE SHEETS ARE APPROXIMATE AND MAY BE CHANGED BY THE ENGINEER.
2. PIPE ALIGNMENTS AND GRADIENTS SHALL MATCH THE NATURAL STREAM BEDS UNLESS OTHERWISE SHOWN IN THE PLANS.
3. ORDINARY HIGH WATER VARIES.

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

TYPICAL CULVERT DETAILS

APPLICATION BY:
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AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

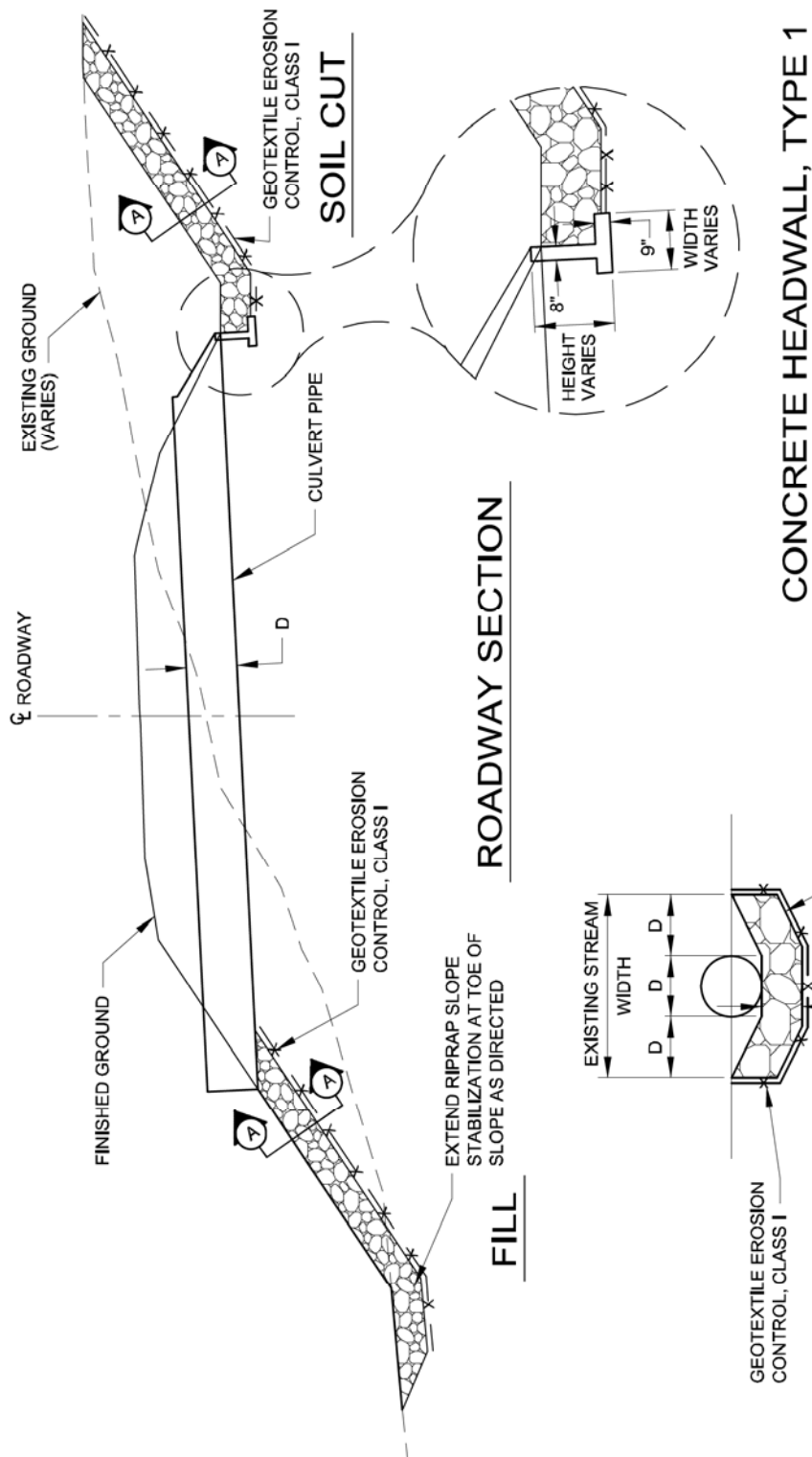
JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 32 S., R. 60 E.,
T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **11** OF **93**



PIPE DIA.	T	RIPRAP SIZE
24"	1.5'	CLASS I
36"	1.5'	CLASS I
48"	1.5'	CLASS I
60"	3.0'	CLASS II
72"	4.0'	CLASS II

CONCRETE HEADWALL, TYPE 1

ROADWAY SECTION

SECTION "A-A"

D = PIPE DIAMETER
T = THICKNESS OF RIPRAP

NOTES

1. CONSTRUCT CONCRETE HEADWALLS AT LOCATIONS SHOWN IN THE PLANS PER THE STANDARD DRAWINGS.
2. RIPRAP SLOPE STABILIZATION NOT REQUIRED WHERE ROCK IS ENCOUNTERED DURING EXCAVATION.

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

ROCK FLUME DETAILS

APPLICATION BY:
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AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

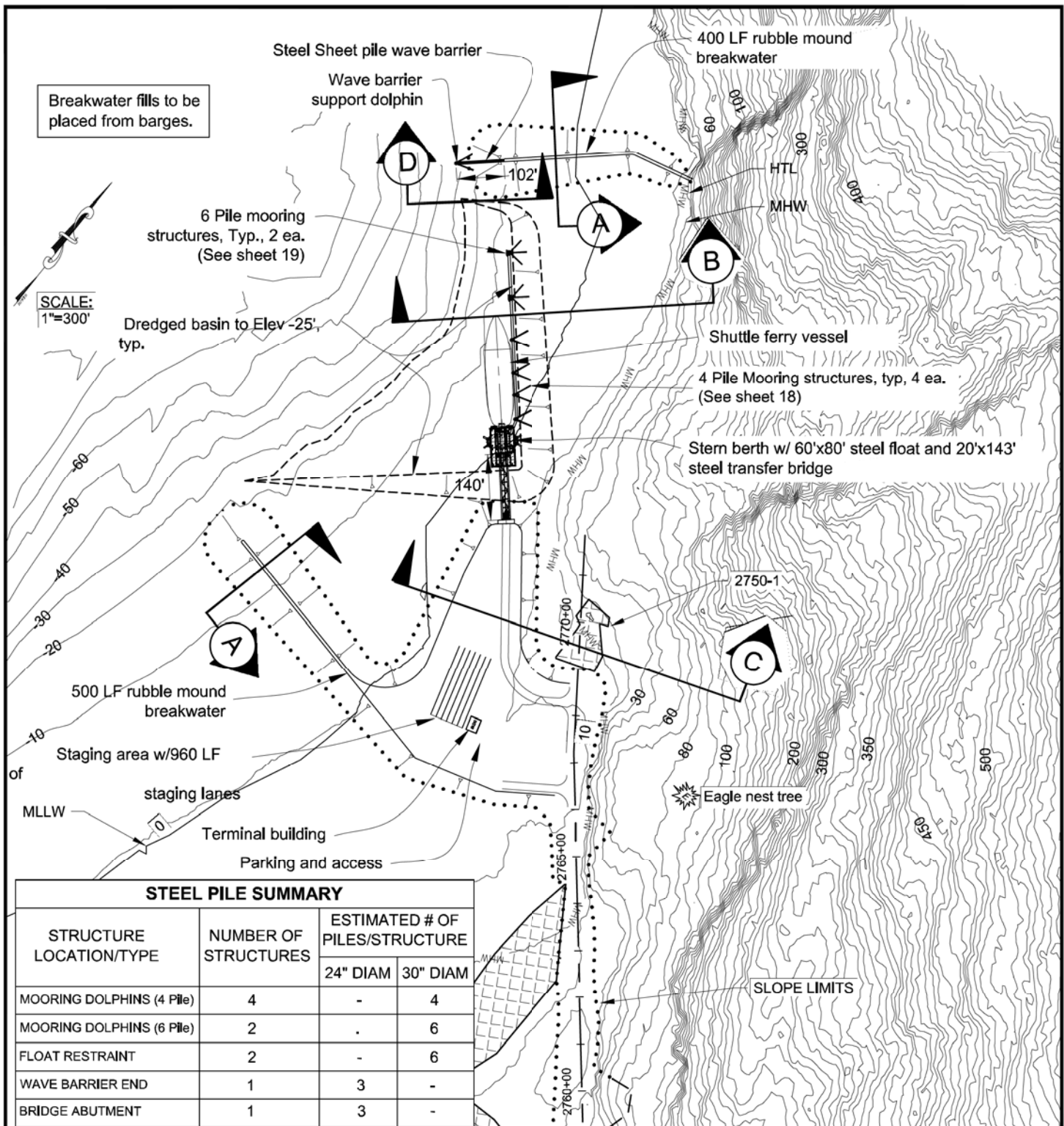
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FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 32 S., R. 60 E.,
T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **12** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. D.N.R.

WATER BODY:

LYNN CANAL AND BERNERS BAY

Katzehln Ferry Terminal Layout

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

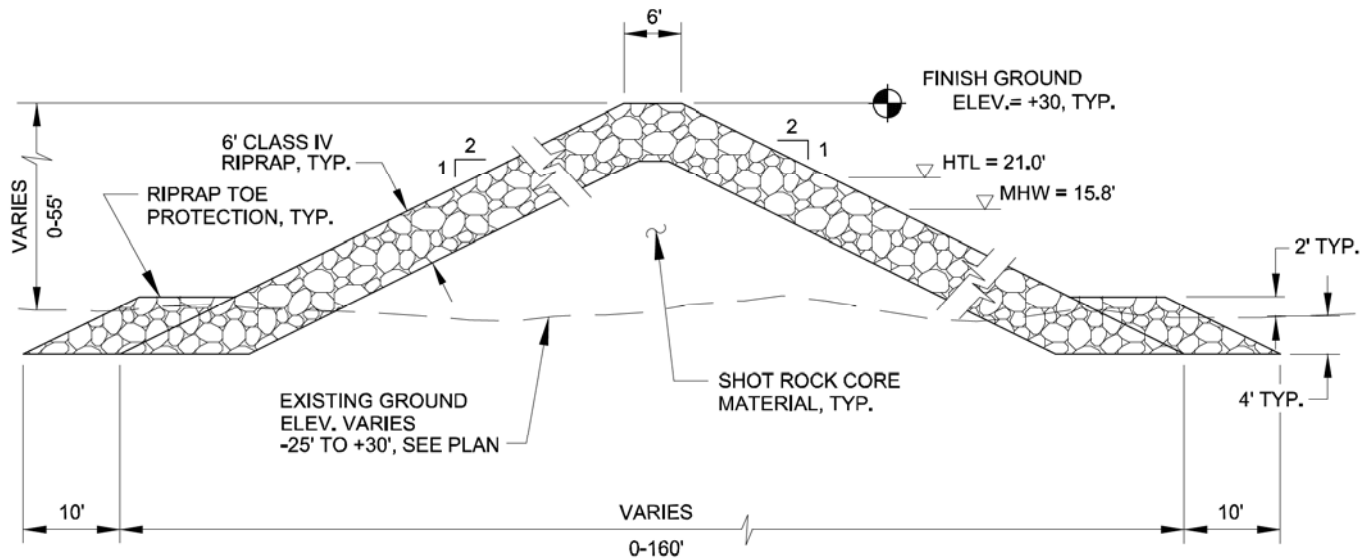
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FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

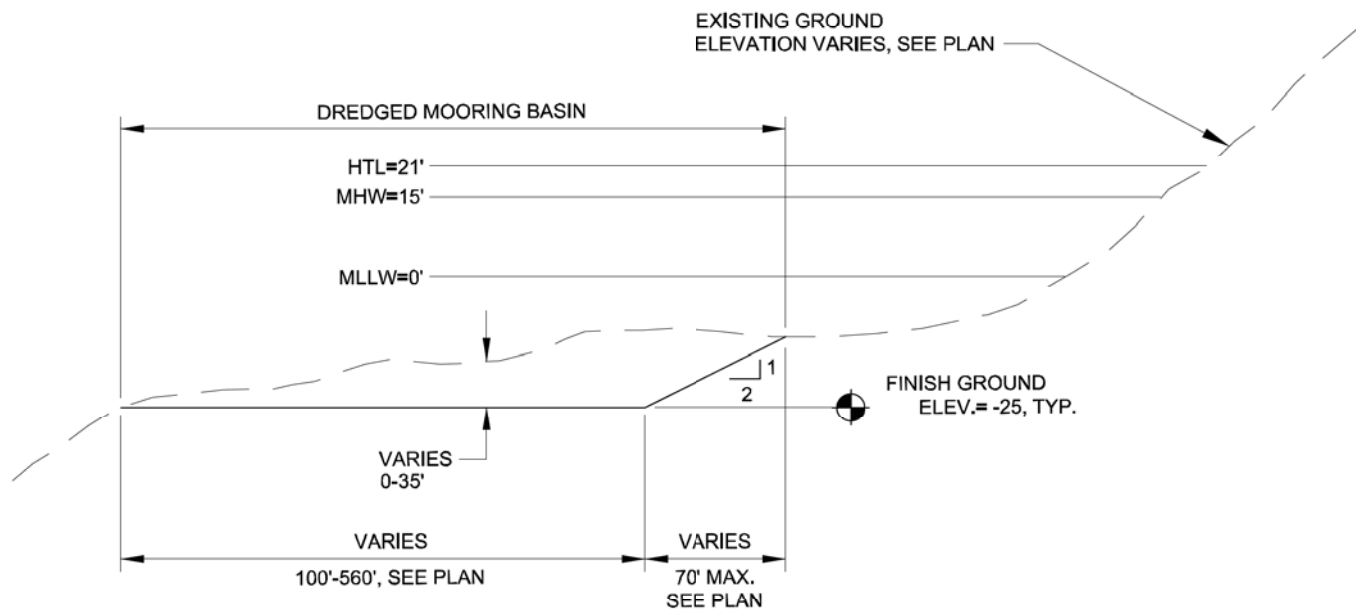
LOCATED IN: T. 31 S., R. 60 E., SECT. 4, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **13** OF **93**



A
13
TYPICAL SECTION
RUBBLE MOUND BREAKWATER
HIGH TIDE LINE = 21'



B
13
TYPICAL SECTION
DREDGED MOORING SECTION
NTS

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

TYPICAL SECTION
KATZEHIN FERRY
TERMINAL

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

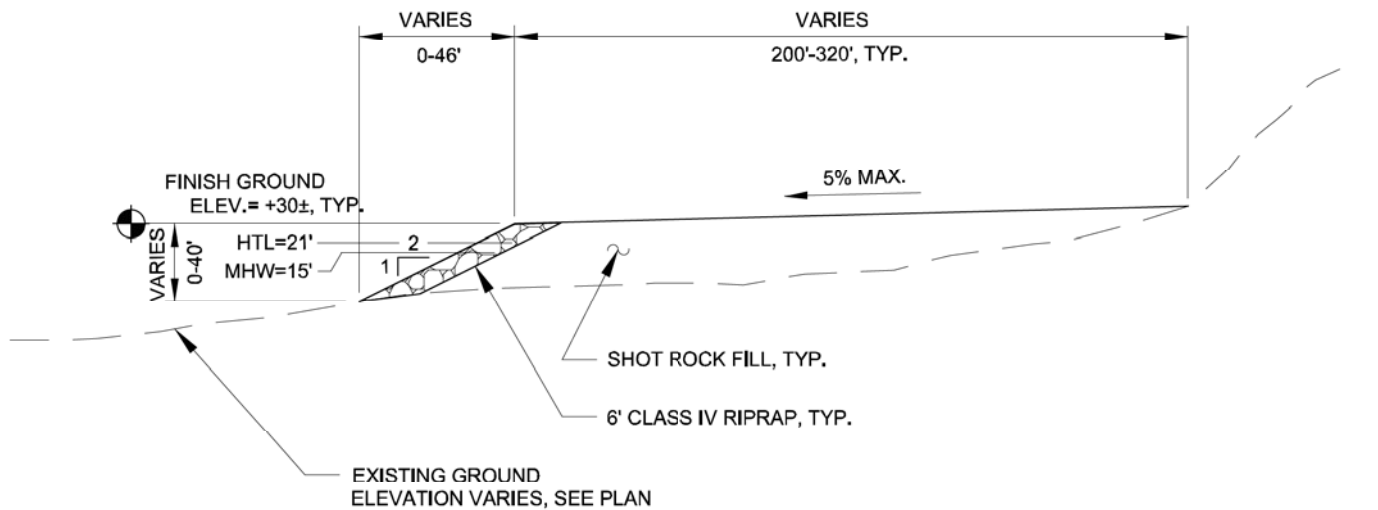
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FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

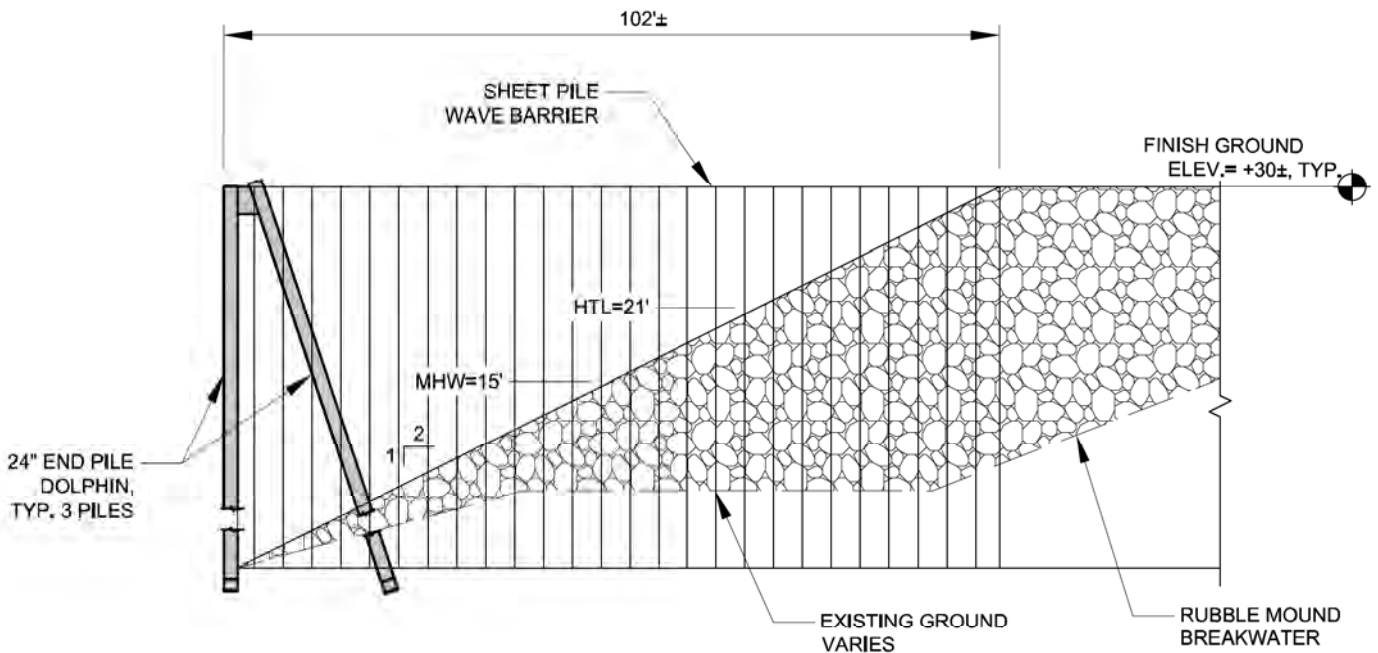
LOCATED IN: T. 32 S., R. 60 E.,
T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **14** OF **93**



C
13
TYPICAL SECTION
TERMINAL & STAGING AREA FILL
NTS



D
13
TYPICAL SECTION
RUBBLE MOUND BREAKWATER
NTS

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

TYPICAL SECTION
KATZEHIN FERRY
TERMINAL

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

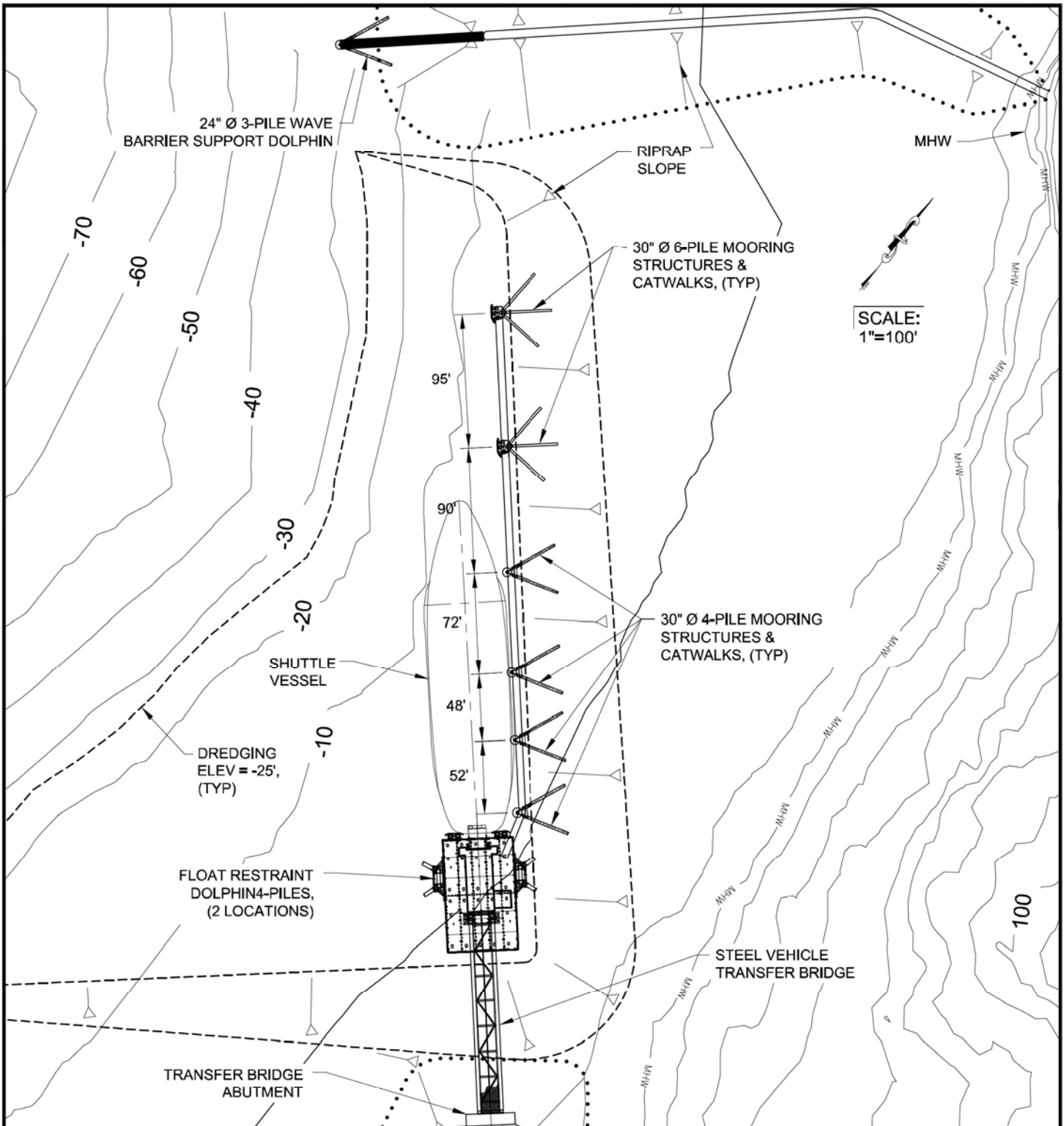
JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 32 S., R. 60 E.,
T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **15** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. D.N.R.

WATER BODY:

LYNN CANAL AND BERNERS BAY

**KATZEHIN FERRY
TERMINAL LAYOUT**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

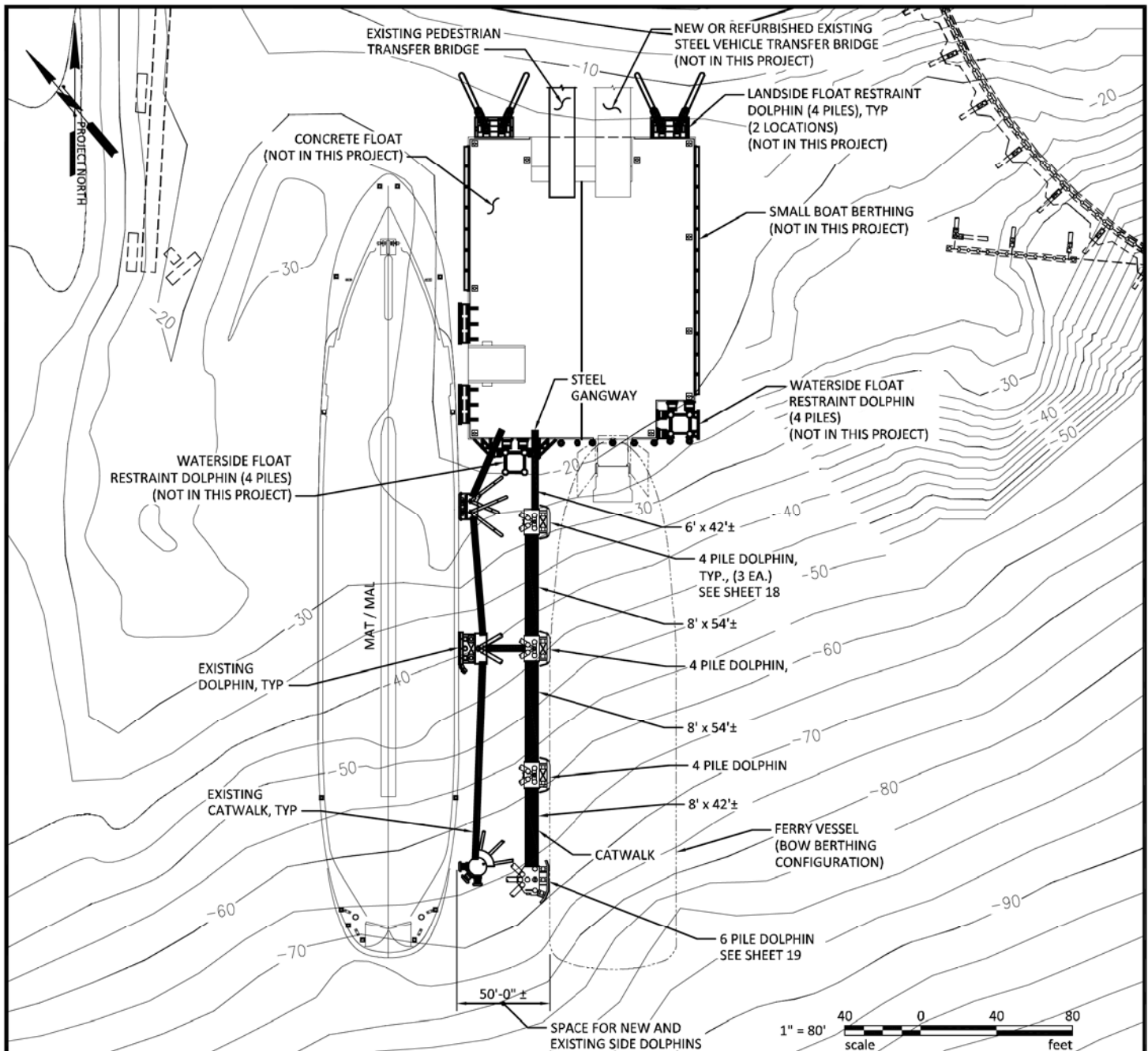
JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 31 S., R. 60 E., SECT. 4, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **16** OF **93**

**STEEL PIPE PILE SUMMARY**

STRUCTURE LOCATION/TYPE	NUMBER OF STRUCTURES	ESTIMATED # OF PILES/STRUCTURE
		30" DIAM
DOLPHIN - 4 PILE	3	4
DOLPHIN - 6 PILE	1	6

PROPOSED SITE PLAN**ADJACENT PROPERTY OWNERS:**

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

**SKAGWAY FERRY
TERMINAL LAYOUT**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

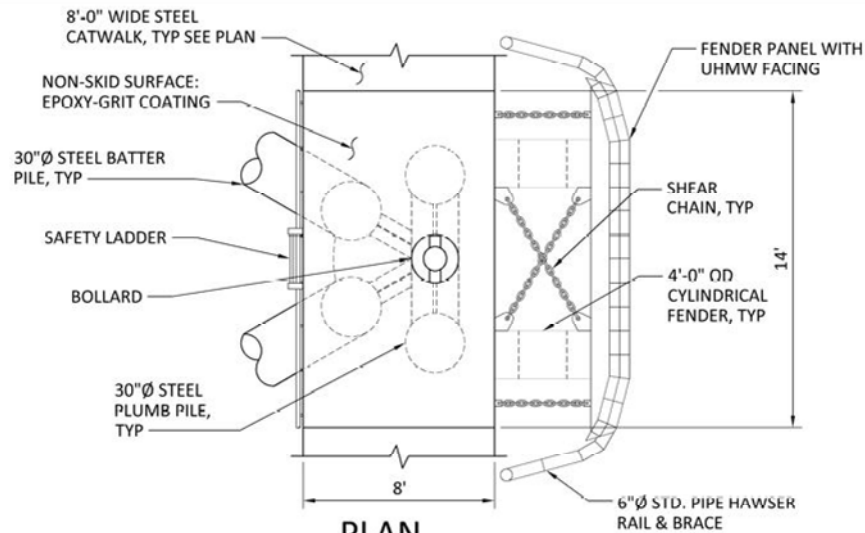
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AT: JUNEAU, ALASKA

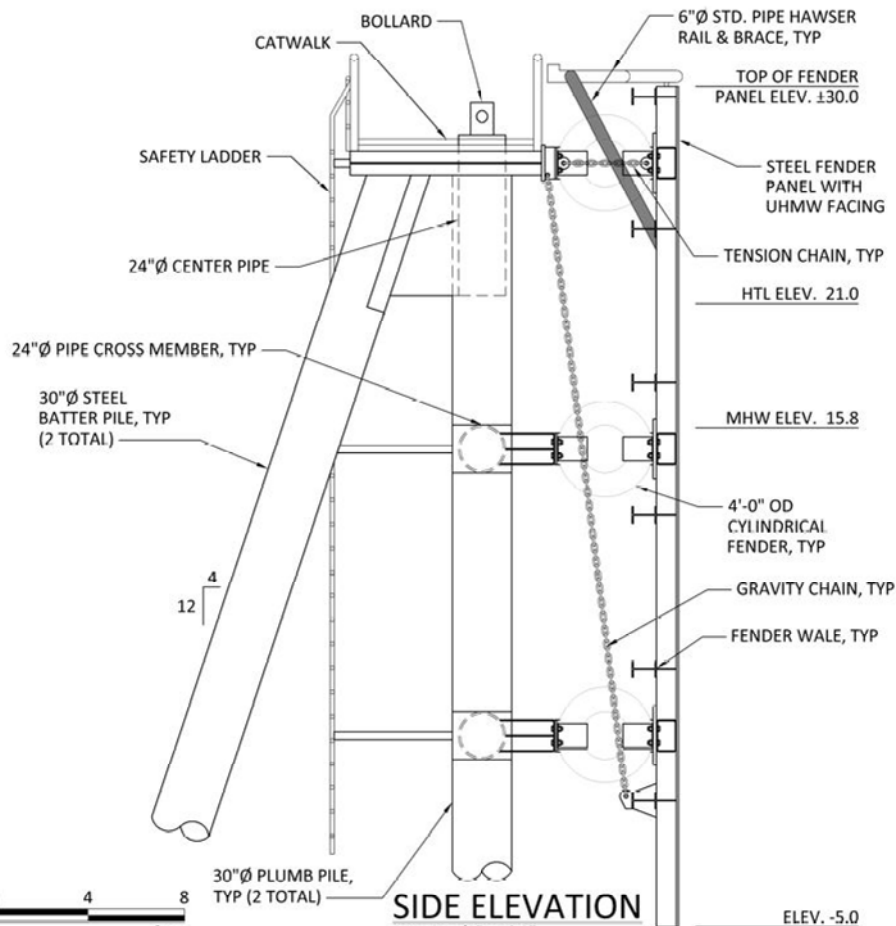
LOCATED IN: T. 32 S., R. 60 E.,
T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **17** OF **93**



PLAN
SCALE: 1/8" = 1'-0"



SIDE ELEVATION
SCALE: 1/8" = 1'-0"

1/8" = 1'-0"
4 0 4 8
scale feet

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

**FOUR-PILE DOLPHIN
DETAILS
FERRY TERMINALS**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

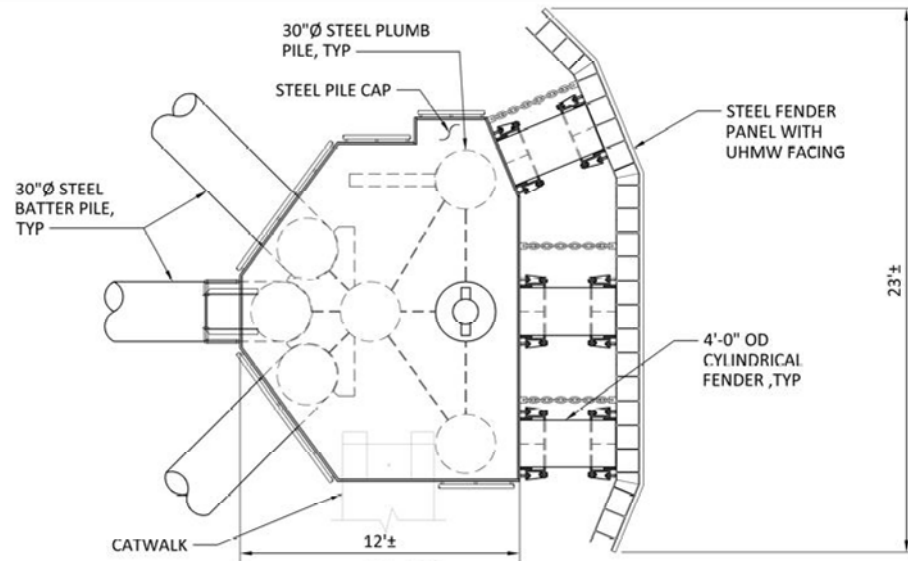
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AT: JUNEAU, ALASKA

LOCATED IN: T. 32 S., R. 60 E.,
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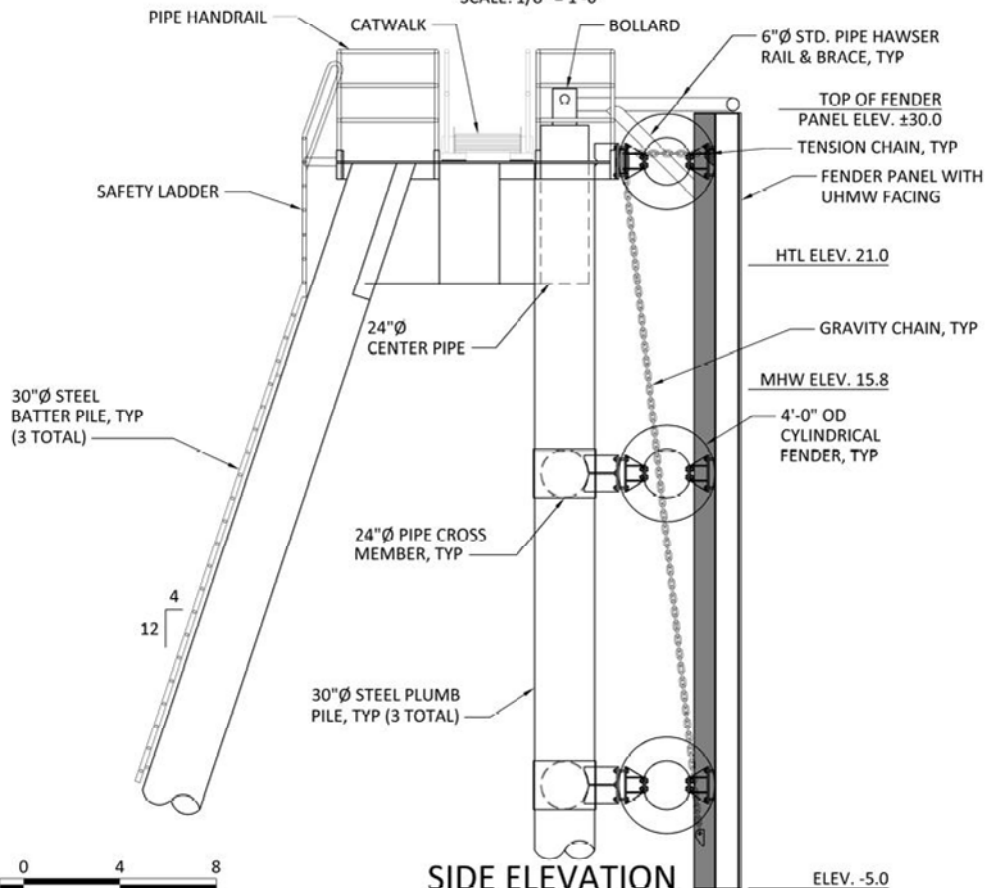
DETAIL PLAN SHEETS
DATE: October 2014

SHEET **18** OF **93**



PLAN

SCALE: 1/8" = 1'-0"



SIDE ELEVATION

SCALE: 1/8" = 1'-0"

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

**SIX-PILE DOLPHIN
DETAILS
FERRY TERMINALS**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 32 S., R. 60 E.,
T. 31 S., R. 60 E.,

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **19** OF **93**

WETLAND FILL AREAS

SHEET	ID	STATION	TO	STATION	LENGTH (FT)	TYPE	FILL IMPACT			**EXCAVATION IMPACT		TOTAL IMPACT	
							S.F.	ACRE	VOL. (C.Y.)	S.F.	ACRE	S.F.	ACRE
31	75+08	73+13		77+29	416	PFO4B	1310	0.03	54	0	0.00	1310	0.03
31	79+41	80+80		84+64	384	PFO4B	1745	0.04	3	0	0.00	1745	0.04
32	107+39	107+46		113+59	613	PFO4B	4795	0.11	200	0	0.00	4795	0.11
32-34	116+94	117+20		157+40	4020	PFO4B	12635	0.29	750	0	0.00	12635	0.29
34	165+92	166+00		166+10	10	PFO4B	45	0.00	0	0	0.00	45	*** 0.00
34	167+41	167+80		171+48	368	PFO4B	2180	0.05	45	0	0.00	2180	0.05
34	172+39	172+11		172+58	47	PFO4B	440	0.01	0	0	0.00	440	0.01
35	178+91	178+93		179+32	39	PFO4B	45	0.00	0	0	0.00	45	*** 0.00
35	185+40	186+10		186+83	73	PFO4B	20	0.00	0	0	0.00	20	*** 0.00
35	191+50	191+53		191+77	24	PFO4B	20	0.00	0	0	0.00	20	*** 0.00
35	194+00	194+00		195+53	153	PFO4B	440	0.01	35	0	0.00	440	0.01
35	202+00	201+76		202+34	58	PFO4B	15	0.00	0	0	0.00	15	*** 0.00
35	205+26	193+91		196+00	209	PFO4B	1745	0.04	5	0	0.00	1745	0.04
37	340-1	284+22		289+51	529	PSS1B/PFO4B	20352	0.47	1400	12071	0.28	32422	0.74
41	415-1	358+30		378+90	2060	PFO4B	112700	2.59	39500	82700	1.90	174680	4.01
53	800-1	765+00		767+20	220	PFO4B	750	0.02	64	17765	0.41	18515	0.43
56	895-1	892+31		914+45	2214	PFO4B	110299	2.53	*20400	103406	2.37	213705	4.91
57	910-2	918+20		921+20	300	PFO4B	7549	0.17	300	30849	0.71	38398	0.88
57-61	955-2	923+43		1026+57	10314	PFO4B	589011	13.52	126600	247715	5.69	836726	19.21
61-63	955-2	1040+00		1087+75	4775	PFO4B	276138	6.34	62300	62811	1.44	338949	7.78
63-64	955-2	1096+55		1125+25	2870	PFO4B	163688	3.76	29000	29369	0.67	193057	4.43
64	955-2	1129+25		1140+20	1095	PFO4B	64161	1.47	13700	14065	0.32	78226	1.80
64-65	1185-1	1140+20		1163+73	2353	PFO4B/PSS1B	117360	2.69	16600	44530	1.02	161890	3.72
65	1185-1	1169+31		1172+62	331	PFO4B/PSS1B	15944	0.37	2100	12630	0.29	28574	0.66
66	1185-1	1177+45		1187+30	985	PFO4B/PSS1B	66447	1.53	17500	6915	0.16	73362	1.68
66	1185-1	1190+32		1206+70	1638	PFO4B/PSS1B	89807	2.06	17000	23818	0.55	113625	2.61
67	1185-1	1207+60		1215+84	824	PFO4B/PSS1B	41219	0.95	4600	10429	0.24	51648	1.19
67	1220-1	1218+40		1229+08	1068	PFO4B/PSS1B	59485	1.37	10400	10091	0.23	69576	1.60
67	1220-1	1232+00		1233+31	131	PFO4B/PSS1B	7263	0.17	1100	1769	0.04	9032	0.21
68-69	1260-1	1261+15		1272+80	1165	PFO4B/PSS4B	59966	1.38	9900	10592	0.24	70558	1.62
69	1275-1	1276+88		1287+40	1052	PFO4B	36748	0.84	2700	10027	0.23	46775	1.07
73	1360-1	1370+40		1377+26	686	PFO4B	33899	0.78	5300	7840	0.18	41739	0.96
74	1375-1	1384+76		1388+92	416	PFO4B	12218	0.28	800	13762	0.32	25980	0.60
TOTAL FILL IMPACT =							43.86	361,956					
							**TOTAL EXCAVATION IMPACT =			17.29			
							TOTAL IMPACT =					60.67	

* Includes 2.4 C.Y., 66 S.F. ditch block (See sheet 56 of 93 for location)

"ID" refers to wetland identification numbers in Wetland Report, Appendix O, of the Final EIS, also found on detail sheets, e.g., ID 340-1 is found on sheet 37 of 93.

** The excavation impacts are outside of the fill impacts.

*** Sliver fill totalling less than 0.01 acre.

WETLANDS SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **20** OF **93**

FILL BELOW HIGH TIDE LINE (21.0')									
SHEET #	SURVEY #	STATION	TO	STATION	LENGTH (FT)	FILL			
						S.F.	ACRES	VOL.. (C.Y.)	
								< 21.0'	>21.0' *
76	NA	1454+00				435	0.01	50	50
77-78	EIT-36	1489+15		1515+50	2,635	127,000	2.92	16,265	20,620
80	EIT-35	1571+50		1575+65	415	16,065	0.37	885	1,650
80	EIT-34	1581+40		1582+25	85	1,190	0.03	30	70
81	EIT-24 & STN-3	1719+70		1735+58	1,588	151,425	3.48	3,945	10,500
83	EIT-22	1804+50		1805+75	125	870	0.02	20	45
84	EIT-21	1831+00		1844+00	1,300	22,840	0.52	550	1,370
85-86	STN 6-8	2099+85		2124+30	2,445	314,705	7.22	11,115	13,590
87	EIT-21	2503+18		2503+94	76	815	0.02	15	50
87	EIT-21	2551+65		2561+90	1,025	52,250	1.20	7,165	2,540
88	EIT-21	2565+50		2581+85	1,635	230,470	5.29	39,010	29,020
88-89	EIT-14	2585+00		2592+30	730	27,455	0.63	7,185	38,745
90	EIT-13	2628+50		2637+65	915	137,215	3.15	20,135	44,345
93	KATZ 1-4	2761+75		2766+25	450	26,920	0.62	3,310	6,550
				TOTALS =		1,109,655	25.47	109,680	169,145
93	KATZ 1-4	FERRY TERMINAL				166,728	3.83	61,200	14,400
93	EIT-11/ KATZ 1-4	KATZEHIN FERRY TERMINAL BREAKWATER FILL				119,388	2.74	49,400	1,600
		KATZEHIN FERRY TERMINAL DREDGE				S.F.	ACRES	VOL. C.Y.	
93	KATZ 1-4					191,720	4.40	40000	

* Fill above elevation 21.0', but seaward of the vertical plane of the 21.0' contour.

Survey # refers to ID found on detail sheets.

TIDELANDS FILL SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **21** OF **93**

CULVERT AND STREAM FILL SUMMARY

STATION	CULVERT LENGTH						RIPRAP (C.Y.)	BEDDING (C.Y.)	FOOTPRINT (S.F.)	CONCRETE (C.Y.)	COMMENTS
	24" D	36" D	48" D	60" D	72" D	OTHER					
From STA 58+00 to 200+00: Glacier Hwy Extension, Proj No. 69583 completes all culvert work shown in 2006 Corp Permit.											
203+57						42		N/A	N/A		CASCADE CREEK 180"x5'9" ALUMINUM ARCH
206+71		126						39.5	756		
208+60	90							19.8	450		
211+54	88							19.3	440		
224+40			150					62.3	1050		
225+39	125' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										DRAINAGE FILLED. FLOW INTERCEPTED AT FOLLOWING CULVERT
225+69			132					54.8	924		
227+65			114					47.4	798		
232+70	66							14.5	330		
234+89	76							16.7	380		
254+50		110						34.5	660		
256+65		106						33.2	636		
257+69	92							20.2	460		
275+77		95						29.8	570		
286+63		96						*	576		
288+80	62							*	310		
290+50	57							12.5	285		
299+41		74						23.2	444		
316+57		178						55.8	1068		
325+97			104					43.2	728		
330+37				65			53	34.1	520	2.8	2-TYPE I HEADWALLS, PIPE OUTLET SPILLWAY
333+79	90							19.8	450		
335+04			132					54.8	924		
341+65		122						38.3	732		
342+78		128						40.1	768		
343+64		134						42.0	804		
347+69		140					39	43.9	840		PIPE OUTLET SPILLWAY RIPRAP
349+90		138					58	43.3	828		PIPE OUTLET SPILLWAY RIPRAP
351+31				150			129	78.8	1200	2.8	2-TYPE I HEADWALLS, PIPE OUTLET SPILLWAY
352+19			136				104	56.5	952		PIPE OUTLET SPILLWAY RIPRAP
353+53	116						16	25.5	580		PIPE OUTLET SPILLWAY RIPRAP
361+97	66							*	330		
366+85		98					*	*	588		PIPE OUTLET SPILLWAY RIPRAP
369+42		130						*	780		
386+42		73					28	22.9	438		PIPE OUTLET SPILLWAY RIPRAP
397+38		152						47.7	912		PIPE OUTLET SPILLWAY RIPRAP
400+18		58					46	18.2	348		PIPE OUTLET SPILLWAY RIPRAP
402+49		54					56	16.9	324		PIPE OUTLET SPILLWAY RIPRAP
409+94						307	50	465.6	4605	9.2	144" PIPE, 2-TYPE I HEADWALLS, PIPE OUTLET SPILLWAY
424+08	52						18	11.4	260		PIPE OUTLET SPILLWAY RIPRAP
442+82		196						61.5	1176		

* QUANTITY OF THIS ITEM IS INCLUDED IN WETLANDS FILL VOLUME. NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

CULVERT SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **22** OF **93**

CULVERT AND STREAM FILL SUMMARY

STATION	CULVERT LENGTH						RIPRAP (C.Y.)	BEDDING (C.Y.)	FOOTPRINT (S.F.)	CONCRETE (C.Y.)	COMMENTS
	24" D	36" D	48" D	60" D	72" D	OTHER					
450+88		120						37.6	720		
453+60		102						32.0	612		
457+51		169						53.0	1014		
468+06		105						32.9	630		
501+08		199						62.4	1194		
506+14		143						44.8	858		
510+96		196						61.5	1176		
537+03			102					42.4	714		
552+58					77			49.5	693		
555+68	100' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										DRAINAGE FILLED-FLOW CARRIED ALONG DITCH
556+25	90' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										DRAINAGE FILLED-FLOW CARRIED ALONG DITCH
757+70		54					39	16.9	324		PIPE OUTLET SPILLWAY RIPRAP
758+48	240' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
759+37		63					29	19.8	378		BACKSLOPE SPILLWAY RIPRAP
760+33	220' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
760+53		87					29	27.3	522		BACKSLOPE SPILLWAY RIPRAP
761+46	230' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
762+09	210' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
262+64	210' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
763+73		55					10	17.2	330		BACKSLOPE SPILLWAY RIPRAP
763+92	210' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
764+78	200' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
765+74		52						16.3	312		
766+56	230' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
768+32	350' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
770+32	200' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
773+00		80					8	25.1	480		PIPE OUTLET SPILLWAY RIPRAP
777+43		156					18	48.9	936		PIPE OUTLET SPILLWAY RIPRAP
784+20		84						26.3	504		
789+66	63							13.8	315		
800+54	106							23.3	530		
801+81		88					13	27.6	528		PIPE OUTLET SPILLWAY RIPRAP
803+41	86						13	18.9	430		PIPE OUTLET SPILLWAY RIPRAP
806+43	126							27.7	630		
810+70		125						39.2	750		

* QUANTITY OF THIS ITEM IS INCLUDED IN WETLANDS FILL VOLUME. NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

CULVERT SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **23** OF **93**

CULVERT AND STREAM FILL SUMMARY

STATION	CULVERT LENGTH						RIPRAP (C.Y.)	BEDDING (C.Y.)	FOOTPRINT (S.F.)	CONCRETE (C.Y.)	COMMENTS
	24" D	36" D	48" D	60" D	72" D	OTHER					
815+39	97							21.3	485		
819+18	72							15.8	360		
824+41	75							16.5	375		
829+91	71							15.6	355		
833+91	77							16.9	385		
835+91	68							14.9	340		
837+41	54							11.9	270		
840+54		68					50	21.3	408		SKEW 14°-21', RT. AHEAD, PIPE OUTLET SPILLWAY
843+03	66							14.5	330		
845+21	68						22	14.9	340		PIPE OUTLET SPILLWAY RIPRAP
848+41	68						3	14.9	340		PIPE OUTLET SPILLWAY RIPRAP
850+80	60						20	13.2	300		PIPE OUTLET SPILLWAY RIPRAP
853+21	78							17.1	390		
855+01	75							16.5	375		
858+91		99						31.0	594		
861+91		58						18.2	348		
864+81		67						21.0	402		
872+39		90						28.2	540		
877+68		94					11	29.5	564		PIPE OUTLET SPILLWAY RIPRAP
886+40		74						23.2	444		
889+94		90						28.2	540		
891+70		106						33.2	636		
892+70		82						25.7	492		
895+70		71						22.3	426		
897+07				73				38.3	584		SKEW 15°-42', RT. AHEAD, TYPE 1 HEADWALL
904+15		72						22.6	432		
905+80		58						18.2	348		
907+02		71						22.3	426		SKEW 28°-4' LT. AHEAD
907+62		76						23.8	456		SKEW 6°-53' RT. AHEAD
911+41	53							11.6	265		
914+12		57						*	342		BACKSLOPE SPILLWAY RIPRAP
914+65	150' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										THRU CUT-FLOW CARRIED ALONG DITCH
917+41	54							11.9	270		
920+00		59						*	354		
923+70		53						*	318		
929+70		53						*	318		
935+70		52						*	312		
944+28	51							*	255		
945+50	64							*	320		
947+90		74						*	444		
953+92	56							*	280		
956+88	65							*	325		
959+91	66							*	330		
961+85	68							*	340		

* QUANTITY OF THIS ITEM IS INCLUDED IN WETLANDS FILL VOLUME. NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

CULVERT SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **24** OF **93**

CULVERT AND STREAM FILL SUMMARY

STATION	CULVERT LENGTH						RIPRAP (C.Y.)	BEDDING (C.Y.)	FOOTPRINT (S.F.)	CONCRETE (C.Y.)	COMMENTS
	24" D	36" D	48" D	60" D	72" D	OTHER					
964+90	68							*	340		
968+31	66							*	330		
971+41	70							*	350		
974+41	67							*	335		
977+06		62						*	372		
980+41	62							*	310		
984+41	57							*	285		
987+41	60							*	300		
991+03		64						*	384		
993+86	61							*	305		
996+41	59							*	295		
1001+41	68							*	340		
1004+41	67							*	335		
1008+15		73						*	438		
1011+93	55							*	275		
1016+15					88			*	792	*	TYPE 1 HEADWALL
1016+40	130' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										DRAINAGE FILLED. FLOW INTERCEPTED AT PRECEDING CULVERT
1018+86			83					34.5	581		
1020+44	65						*	*	325		PIPE OUTLET SPILLWAY RIPRAP
1021+06	73						*	*	365		PIPE OUTLET SPILLWAY RIPRAP
1022+52					91		*	*	819	*	SKEW 11°-23' LT. AHEAD, TYPE 1 HEADWALL
1024+25				106				*	848	*	SKEW 12°-50' RT. AHEAD, TYPE 1 HEADWALL
1027+27	55							12.1	275		
1028+18	52							11.4	260		SKEW 19°-28' RT. AHEAD
1029+26	55							12.1	275		
1031+93		62						19.4	372		
1034+94		63						19.8	378		
1042+10		72					*	*	432		PIPE OUTLET SPILLWAY RIPRAP
1051+08	75							*	375		
1051+65	160' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										DRAINAGE FILLED. FLOW INTERCEPTED AT PRECEDING CULVERT
1053+93		70					*	*	420		PIPE OUTLET SPILLWAY RIPRAP
1056+92		64					*	*	384		PIPE OUTLET SPILLWAY RIPRAP
1059+93			85					*	595		SKEW 15°-33' RT. AHEAD
1063+45	62							*	310		
1065+29	62							*	310		SKEW 20°-34' LT. AHEAD
1067+08	74							*	370		SKEW 33°-19' RT. AHEAD
1070+40	53							*	265		
1073+41	59							*	295		
1076+41	60							*	300		
1081+19			75					*	525		
1085+40		74						*	444		

* QUANTITY OF THIS ITEM IS INCLUDED IN WETLANDS FILL VOLUME. NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

CULVERT SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **25** OF **93**

CULVERT AND STREAM FILL SUMMARY

STATION	CULVERT LENGTH						RIPRAP (C.Y.)	BEDDING (C.Y.)	FOOTPRINT (S.F.)	CONCRETE (C.Y.)	COMMENTS
	24" D	36" D	48" D	60" D	72" D	OTHER					
1089+75			113					46.9	791		
1095+90		66						20.7	396		
1099+50					68		*	*	612	*	PIPE OUTLET SPILLWAY, TYPE 1 HEADWALL
1103+19		87						*	522		SKEW 30°-38' RT. AHEAD
1107+72		86						*	516		SKEW 32°-24' RT. AHEAD
1109+33	68							*	340		SKEW 32°-24' RT. AHEAD
1113+85		68						*	408		SKEW 14°-05' LT. AHEAD
1114+91		75						*	450		SKEW 20°-02' LT. AHEAD
1116+90	54							*	270		
1120+23					72		*	*	648	*	SKEW 8°-20' RT. AHEAD, TYPE 1 HEADWALL
1124+03	78							*	390		
1127+40		62						19.4	372		
1135+40		60					*	*	360		PIPE OUTLET SPILLWAY RIPRAP
1139+60					86		*	*	774	*	SKEW 38°-33' RT. AHEAD, TYPE 1 HEADWALL
1139+82	130' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										DRAINAGE FILLED. FLOW INTERCEPTED AT PRECEDING CULVERT
1141+90	57							*	285		
1146+90		59						*	354		
1150+60	65							*	325		
1152+44				60			*	*	480	*	PIPE OUTLET SPILLWAY, TYPE 1 HEADWALL
1155+36		81						*	486		SKEW 28° RT. AHEAD
1161+41		50						*	300		
1162+20	420' OF DRAINAGE CHANNEL REMOVED AND RE ROUTED										DRAINAGE FILLED. FLOW INTERCEPTED AT PRECEDING CULVERT
1164+41		71						22.3	426		
1168+89		62						19.4	372		
1172+13		70						*	420		
1173+78	75						14	16.5	375		PIPE OUTLET SPILLWAY RIPRAP
1176+50	63						12	13.8	315		SKEW 8°-17' LT. AHEAD, PIPE OUTLET SPILLWAY
1178+07		61					*	*	366		SKEW 12°-51' RT. AHEAD, PIPE OUTLET SPILLWAY
1183+00		72					*	*	432		SKEW 28°-42' RT. AHEAD, PIPE OUTLET SPILLWAY
1185+40	72							*	360		SKEW 19°-46' RT. AHEAD
1186+76	60							*	300		
1189+41	72							15.8	360		
1193+13		79						*	474		
1198+08					90		*	*	810	*	PIPE OUTLET SPILLWAY, TYPE 1 HEADWALL
1201+40	50							*	250		
1203+97	58							*	290		
1205+96	63							*	315		

* QUANTITY OF THIS ITEM IS INCLUDED IN WETLANDS FILL VOLUME. NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

CULVERT SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **26** OF **93**

CULVERT AND STREAM FILL SUMMARY

STATION	CULVERT LENGTH						RIPRAP (C.Y.)	BEDDING (C.Y.)	FOOTPRINT (S.F.)	CONCRETE (C.Y.)	COMMENTS
	24" D	36" D	48" D	60" D	72" D	OTHER					
1207+08	67							14.7	335		SKEW 19°-21' RT. AHEAD
1208+57	62							*	310		
1210+94		76						*	456		
1213+40	52							*	260		
1216+40	64							14.1	320		
1218+93			79					*	553		
1222+78			59					*	413		
1225+60	65							*	325		
1227+42	61							*	305		
1230+16		69						21.6	414		
1233+19			52					*	364		PIPE OUTLET SPILLWAY RIPRAP
1235+21	47						13	10.3	235		PIPE OUTLET SPILLWAY RIPRAP
1238+05	100' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										DRAINAGE FILLED. FLOW INTERCEPTED AT FOLLOWING CULVERT
1238+29		83					4	26.0	498		PIPE OUTLET SPILLWAY RIPRAP
1240+01	62						12	13.6	310		PIPE OUTLET SPILLWAY RIPRAP
1240+95		60					14	18.8	360		PIPE OUTLET SPILLWAY RIPRAP
1244+57		55					8	17.2	330		PIPE OUTLET SPILLWAY RIPRAP
1246+53	60						4	13.2	300		SKEW 16°-30' RT. AHEAD, PIPE OUTLET SPILLWAY
1248+22	57							12.5	285		
1251+41	55							12.1	275		
1254+40	56							12.3	280		
1257+41	59							13.0	295		
1262+41	62							*	310		
1264+91	57							*	285		
1267+91	53							*	265		
1271+21		69						*	414		SKEW 20°-09' LT. AHEAD
1273+00		84						26.3	504		SKEW 20°-26' LT. AHEAD
1274+90	76							16.7	380		
1279+41	60							*	300		
1282+42	50							*	250		
1291+16		106						33.2	636		SKEW 36°-27' LT. AHEAD
1295+71	84							18.4	420		SKEW 25°-10' LT. AHEAD
1317+41	52							11.4	260		
1321+62	71							15.6	355		
1324+14		56						17.6	336		
1328+05		74						23.2	444		
1329+43		78						24.5	468		
1331+66		83						26.0	498		
1334+30		98						30.7	588		
1335+46		76						23.8	456		
1350+80						89					240" PIPE
1354+36		56						17.6	336		
1362+27		68					8	21.3	408		PIPE OUTLET SPILLWAY RIPRAP
1364+51	66							14.5	330		
1369+10	71							15.6	355		

* QUANTITY OF THIS ITEM IS INCLUDED IN WETLANDS FILL VOLUME. NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

CULVERT SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **27** OF **93**

CULVERT AND STREAM FILL SUMMARY

STATION	CULVERT LENGTH						RIPRAP (C.Y.)	BEDDING (C.Y.)	FOOTPRINT (S.F.)	CONCRETE (C.Y.)	COMMENTS
	24" D	36" D	48" D	60" D	72" D	OTHER					
1369+87	65							14.3	325		
1372+29	73						*	*	365		PIPE OUTLET SPILLWAY RIPRAP
1374+03	72							15.8	360		
1377+50	88							19.3	440		SKEW 48°-39° LT. AHEAD
1381+51	59							13.0	295		
1384+87	58							*	290		
1391+28	56							12.3	280		
1395+50	54							11.9	270		
1400+00		85						26.7	510		
1406+06	73							16.0	365		
1409+08	63							13.8	315		
1411+51	67							14.7	335		
1414+51	67						3	14.7	335		PIPE OUTLET SPILLWAY RIPRAP
1418+51	67						8	14.7	335		PIPE OUTLET SPILLWAY RIPRAP
1422+51	67						4	14.7	335		PIPE OUTLET SPILLWAY RIPRAP
1425+52	54						8	11.9	270		PIPE OUTLET SPILLWAY RIPRAP
1433+01		68						21.3	408		
1446+39	66							14.5	330		
1474+23				78			4.5	41.0	624	1.4	TYPE 1 HEADWALL
1480+35				88			4.5	46.2	704	1.4	TYPE 1 HEADWALL
1481+65				68				35.7	544		
1487+35				96			4.5	50.4	768	1.4	TYPE 1 HEADWALL
1492+61				68			4.5	35.7	544	1.4	TYPE 1 HEADWALL
1498+78				82			4.5	43.1	656	1.4	TYPE 1 HEADWALL
1502+23			106					44.0	742		
1508+30			102					42.4	714		
1511+11			100					41.5	700		
1514+51				80			4.5'	42.0	640	1.4	TYPE 1 HEADWALL
1517+10				164				86.1	1312		
1517+46	190' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										DRAINAGE FILLED. FLOW INTERCEPTED AT PRECEDING CULVERT
1525+60	90' OF DRAINAGE CHANNEL REMOVED AND RE-ROUTED										DRAINAGE FILLED. FLOW INTERCEPTED AT FOLLOWING CULVERT
1525+76	72							15.8	360		
1528+36	54							11.9	270		
1530+54	72							15.8	360		
1532+90	54							11.9	270		
1534+84	82							18.0	410		
1538+26	75							16.5	375		
1539+53	75							16.5	375		
1541+26	72							15.8	360		
1543+67		102						32.0	612		
1546+10		143						44.8	858		
1549+00		156						48.9	936		
1552+27	79							17.3	395		
1558+85		186						58.3	1116		
** TOTALS	266 CULVERTS						997	4,948	127,444	23	

* QUANTITY OF THIS ITEM IS INCLUDED IN WETLANDS FILL VOLUME. NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

* THE QUANTITY OF THIS ITEM IS INCLUDED IN WETLANDS FILL VOLUME.

** THIS TOTAL IS FOR SHEETS 19 TO 25.

CULVERT SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **28** OF **93**

CULVERT SUMMARY								
STATION	CULVERT DIAMETER				STATION	CULVERT DIAMETER		
	24"	36"	48"	72"		24"	36"	48"
1570+00		56			1842+00	56		
1574+00	54				1846+00	52		
1578+00	50				1850+00	52		
1582+00		54			1854+00	52		
1586+00	52				1858+00	52		
1594+00	52				1862+00	52		
1598+00	50				1866+00	52		
1603+00	52				1871+00	50		
1606+00	52				1875+00	50		
1610+00		66			1879+00	54		
1619+00	56				1883+00	54		
1623+00	50				1887+00	56		
1628+25		60			1891+00	56		
1633+00	50				1900+00		56	
1639+00	50				1909+00		56	
1643+00	50				1913+00	54		
1647+00	50				1916+00	54		
1650+00	52				1924+00	54		
1657+00			70		1930+00	54		
1660+00	52				1934+00	54		
1664+00	52				1938+00	54		
1669+00	52				1942+00	54		
1674+00		56			1946+00	54		
1677+50			96		1950+00	54		
1680+25			100		1954+00	54		
1683+00	54				1958+00	54		
1691+00	54				1962+00	54		
1695+00	60				1966+50		56	
1699+00	54				1971+00	54		
1703+00			54		1975+00	54		
1707+00	60				1979+00	54		
1711+00	54				1987+00	50		
1715+00	54				1991+00	50		
1719+00		60			1995+00	52		
1723+00	52				2000+00	50		
1727+00	52				2005+00	50		
1731+00	52				2008+00	50		
1735+00	60				2011+00	50		
1744+00	54				2019+00	50		
1746+00		64			2022+00	50		
1751+00		56			2028+00		56	
1754+50		56			2035+61			70
1756+00		56			2048+00		56	
1773+00		52			2052+00	56		
1776+00		72			2055+00	52		
1790+00	54				2057+00		54	
1794+00	56				2059+00		54	
1798+00	56				2064+00		54	
1802+00	54				2068+50			54
1809+00	54				2073+00	52		
1813+00	54				2077+00	52		
1818+00	56				2081+00	52		
1826+00				108	2087+00		52	
1830+00	52				2093+00	54		
1834+00	52				2097+00	54		
1838+00	52				2102+00			56

* NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

MORE BEDDING AND FOOTPRINT
INFORMATION WILL BE PROVIDED
FOLLOWING FUTURE GEOTECHNICAL
AND OTHER SURVEYS.

CULVERT SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **29** OF **93**

CULVERT SUMMARY								
STATION	CULVERT DIAMETER				STATION	CULVERT DIAMETER		
	24"	36"	48"	72"		24"	36"	48"
2105+00	54				2369+33			56
2109+00	54				2374+00	50		
2113+00	54				2383+00	50		
2117+00				56	2389+50			56
2121+00	54				2394+00	50		
2124+00	54				2398+00	52		
2128+00	50				2402+00	52		
2132+00	50				2416+00		56	
2134+00	50				2423+00	52		
2138+00	54				2427+00	56		
2142+00			54		2435+00	56		
2146+00	52				2439+00	50		
2150+00	50				2443+00	56		
2155+00	50				2453+00		56	
2159+00	52				2463+00		56	
2163+00	52				2468+00	52		
2167+00	54				2473+00	52		
2171+00	52				2478+00		56	
2175+00	52				2483+00	50		
2180+00	52				2487+00	52		
2184+00	50				2496+00		54	
2194+00	54				2500+50	52		
2198+00	54				2507+00	52		
2204+50			56		2512+00	50		
2206+25		56			2516+00	50		
2213+00	50				2519+00	56		
2216+00	50				2526+50		56	
2220+00	52				2532+00	52		
2224+00	54				2536+00	50		
2228+00	52				2546+00	52		
2232+00	52				2551+00		56	
2236+00	52				2562+00		56	
2238+00			54		2568+00	52		
2242+00	56				2572+00	52		
2252+00			56		2576+00		56	
2256+00	52				2587+00	56		
2261+00		54			2598+00	50		
2267+00	50				2601+00	50		
2281+00			56		2613+00	56		
2285+00			56		2621+00	56		
2289+00	56				2654+00			110
2295+00			56		2662+00			130
2299+00	52				2681+00		118	
2303+00	52				2686+50		120	
2313+00	52				2695+50		120	
2317+00	50				2711+00			120
2327+00	50				2717+00		120	
2331+00	56				2725+00		110	
2334+00	52				2729+00		110	
2342+00	52				2733+00	56		
2347+00	50				2737+00		110	
2350+00	50				2741+00		86	
2355+00	50				2745+00	56		
2359+00	50				2749+00		100	
2364+00	52				2753+00		130	
					2757+00	96		

* NOTE: EACH CULVERT LISTING GIVES LENGTH IN FEET.

MORE BEDDING AND FOOTPRINT
INFORMATION WILL BE PROVIDED
FOLLOWING FUTURE GEOTECHNICAL
AND OTHER SURVEYS.

CULVERT SUMMARY

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

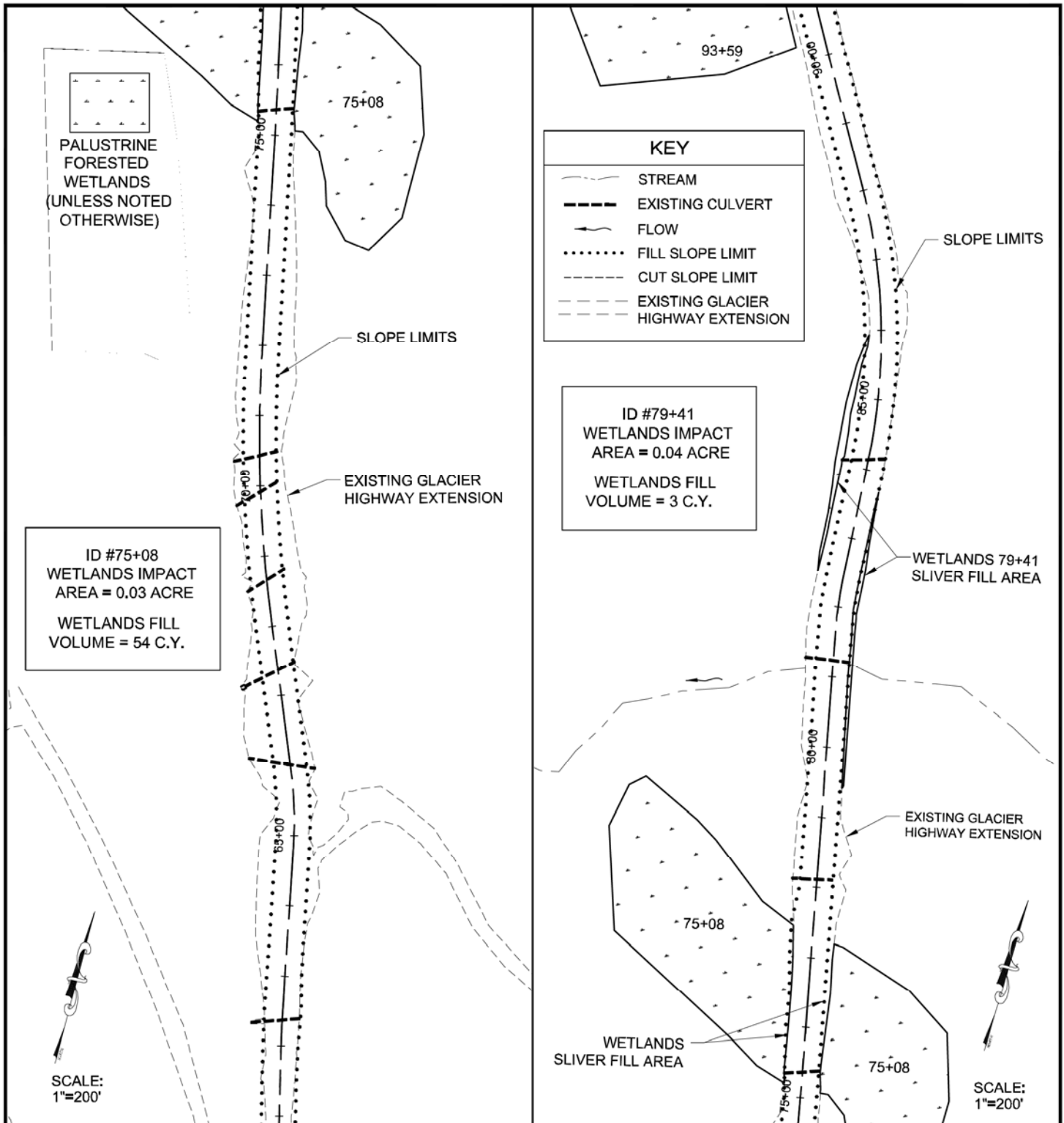
JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN:

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **30** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. GOLDBELT, INC.

WATER BODY:

LYNN CANAL AND BERNERS BAY

Palustrine Wetlands Areas and Stream Crossings

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

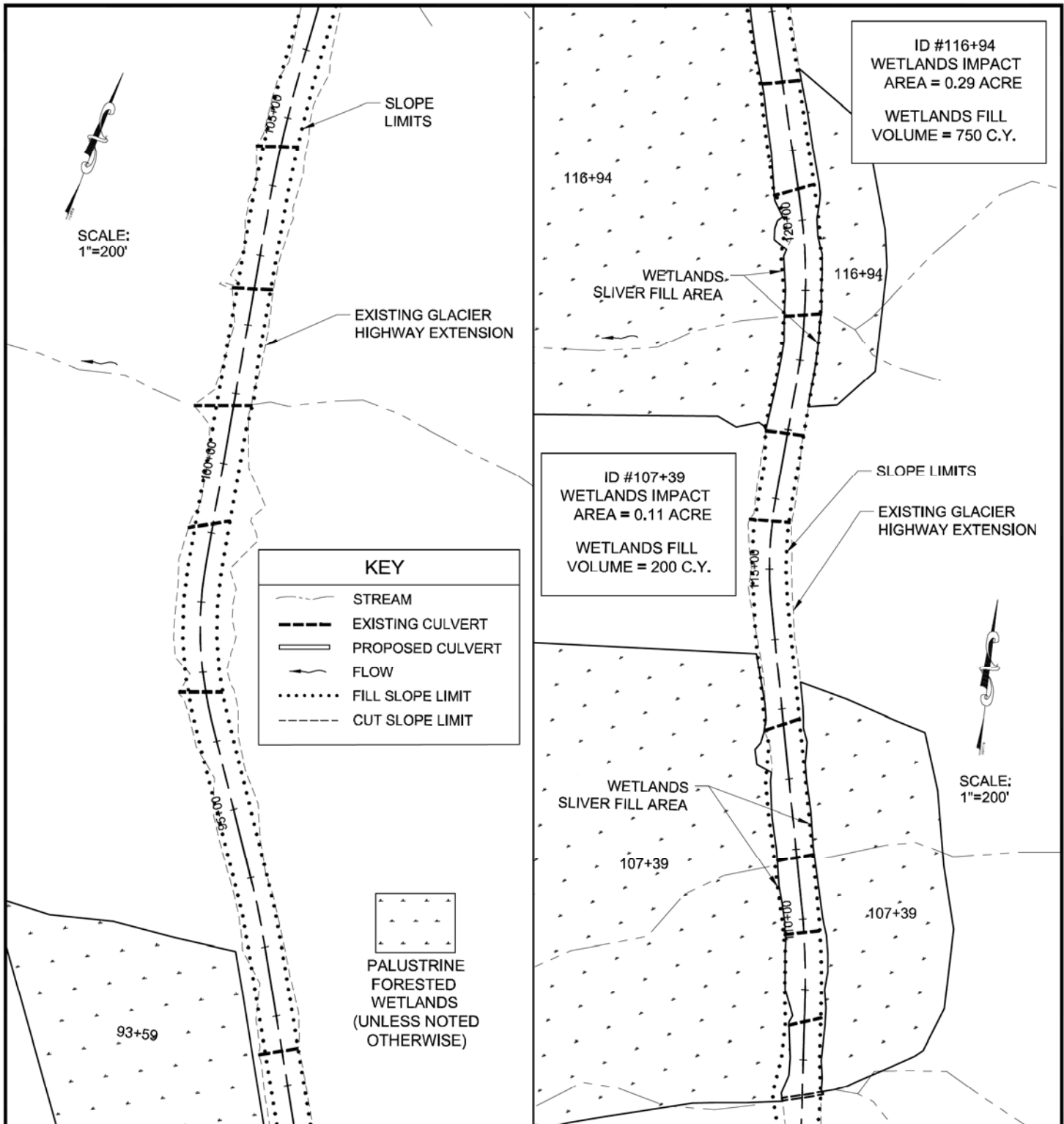
JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 37 S., R. 64 E.,
SECTIONS 7 & 18, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **31** OF **93**



ID #116+94
WETLANDS IMPACT
AREA = 0.29 ACRE

WETLANDS FILL
VOLUME = 750 C.Y.

ID #107+39
WETLANDS IMPACT
AREA = 0.11 ACRE

WETLANDS FILL
VOLUME = 200 C.Y.

KEY

- | | |
|---|------------------|
|  | STREAM |
|  | EXISTING CULVERT |
|  | PROPOSED CULVERT |
|  | FLOW |
|  | FILL SLOPE LIMIT |
|  | CUT SLOPE LIMIT |

**PALUSTRINE
FORESTED
WETLANDS
(UNLESS NOTED
OTHERWISE)**

SCALE:
1"=200'

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. GOLDBELT, INC.

WATER BODY:

LYNN CANAL AND BERNERS BAY

Palustrine Wetlands Areas and Stream Crossings

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

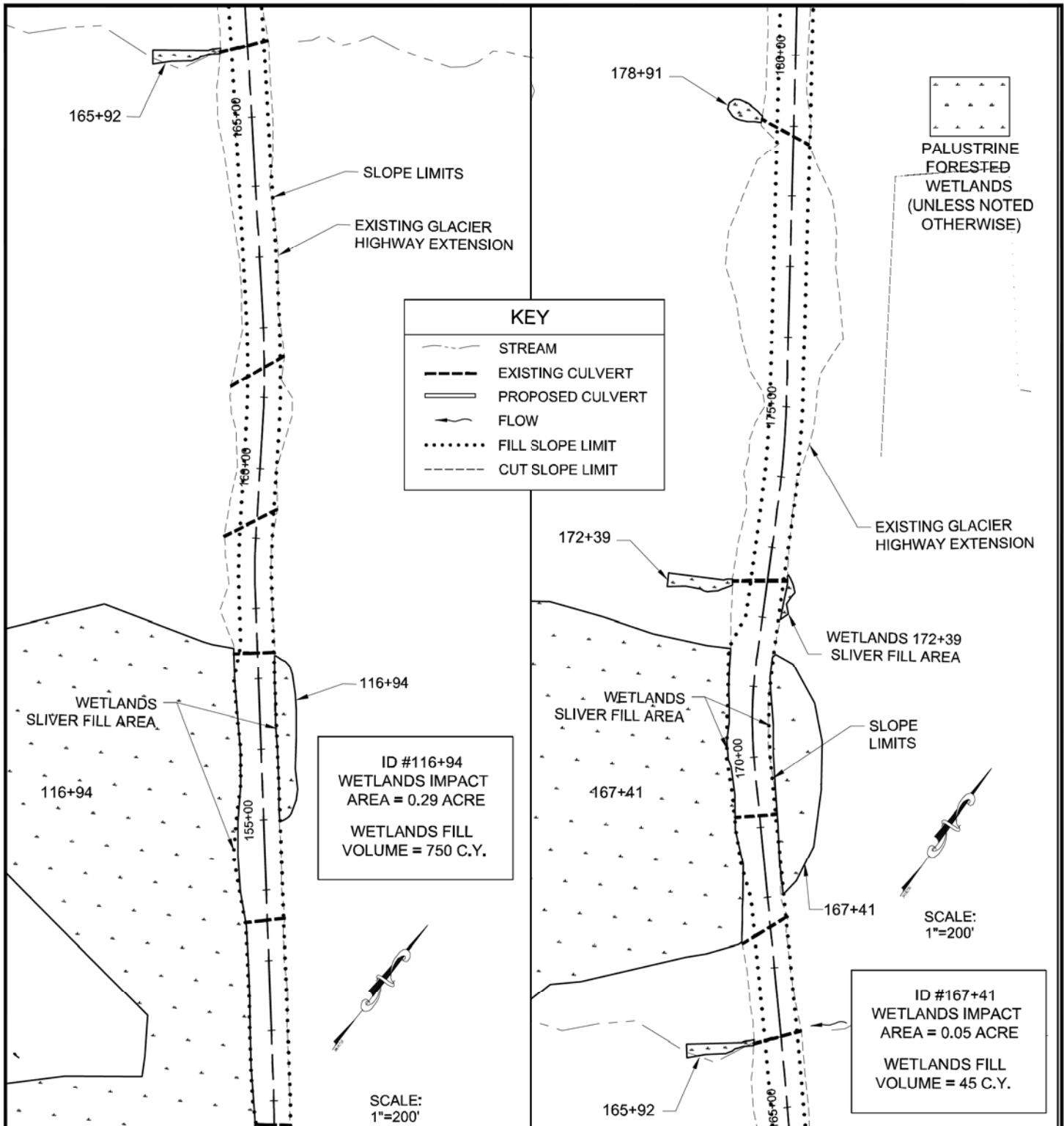
JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 37 S., R. 64 E.,
SECTIONS 7 & 18, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **32** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. GOLDBELT, INC.

WATER BODY:

LYNN CANAL AND BERNERS BAY

**Palustrine Wetlands
Areas and
Stream Crossings**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

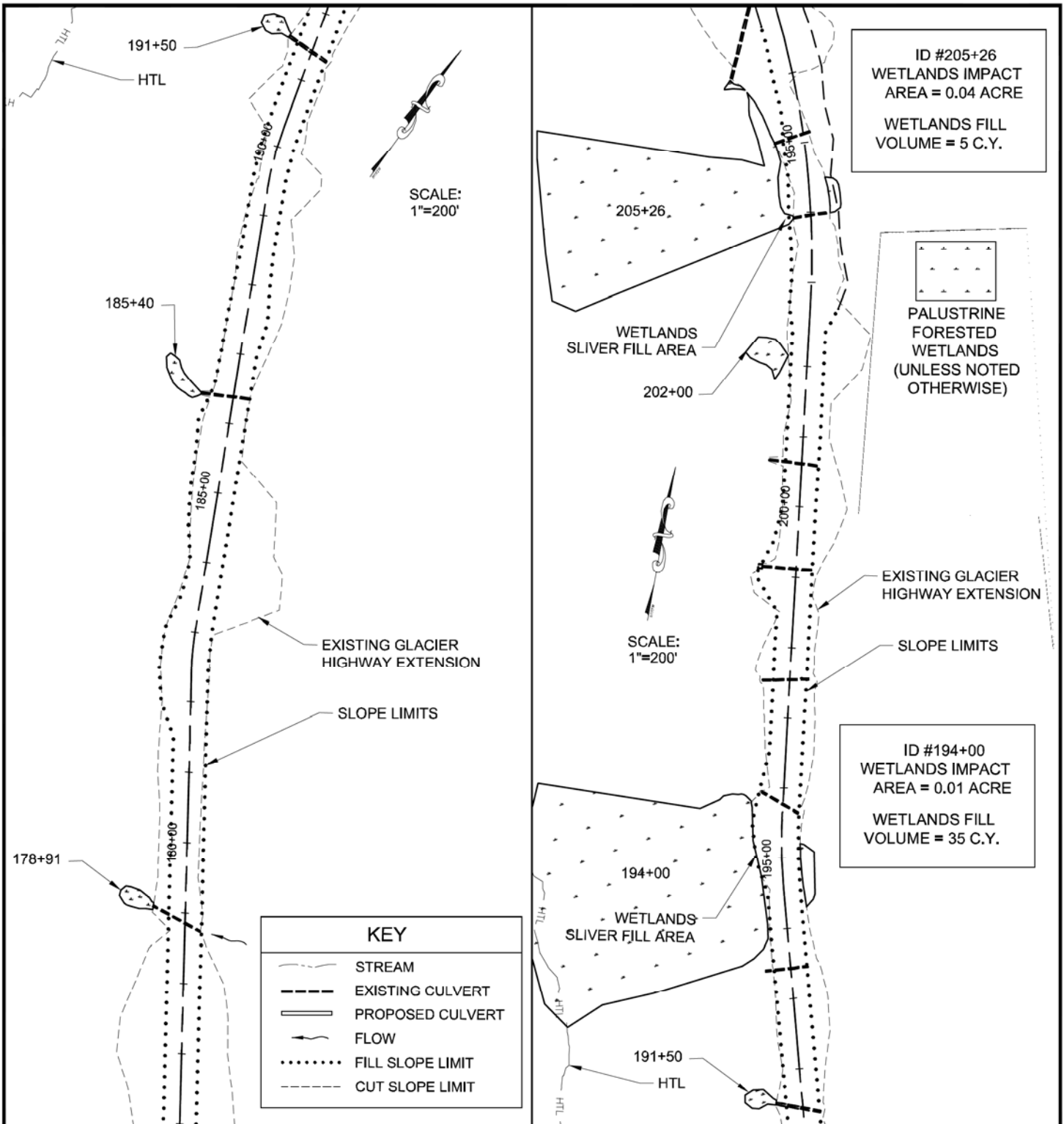
JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 37 S., R. 64 E.,
SECTIONS 6 & 7, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **34** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. GOLDBELT, INC.

WATER BODY:

LYNN CANAL AND BERNERS BAY

**Palustrine Wetlands
Areas and
Stream Crossings**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

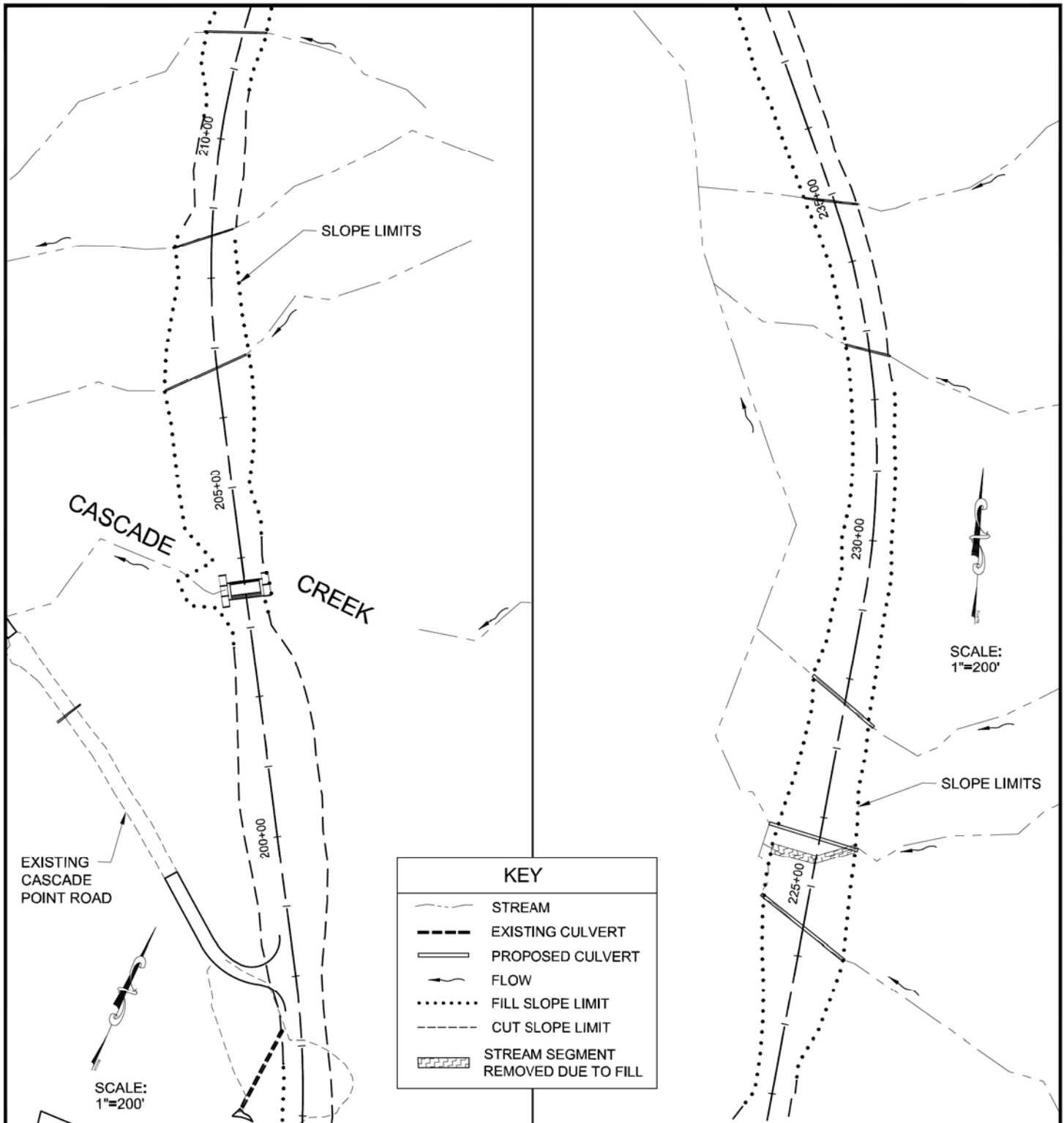
JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 37 S., R. 63 E., SECT. 1, C.R.M.
T. 37 S., R. 64 E., SECT. 6, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **35** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. GOLDBELT, INC.

WATER BODY:

LYNN CANAL AND BERNERS BAY

Stream Crossings

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

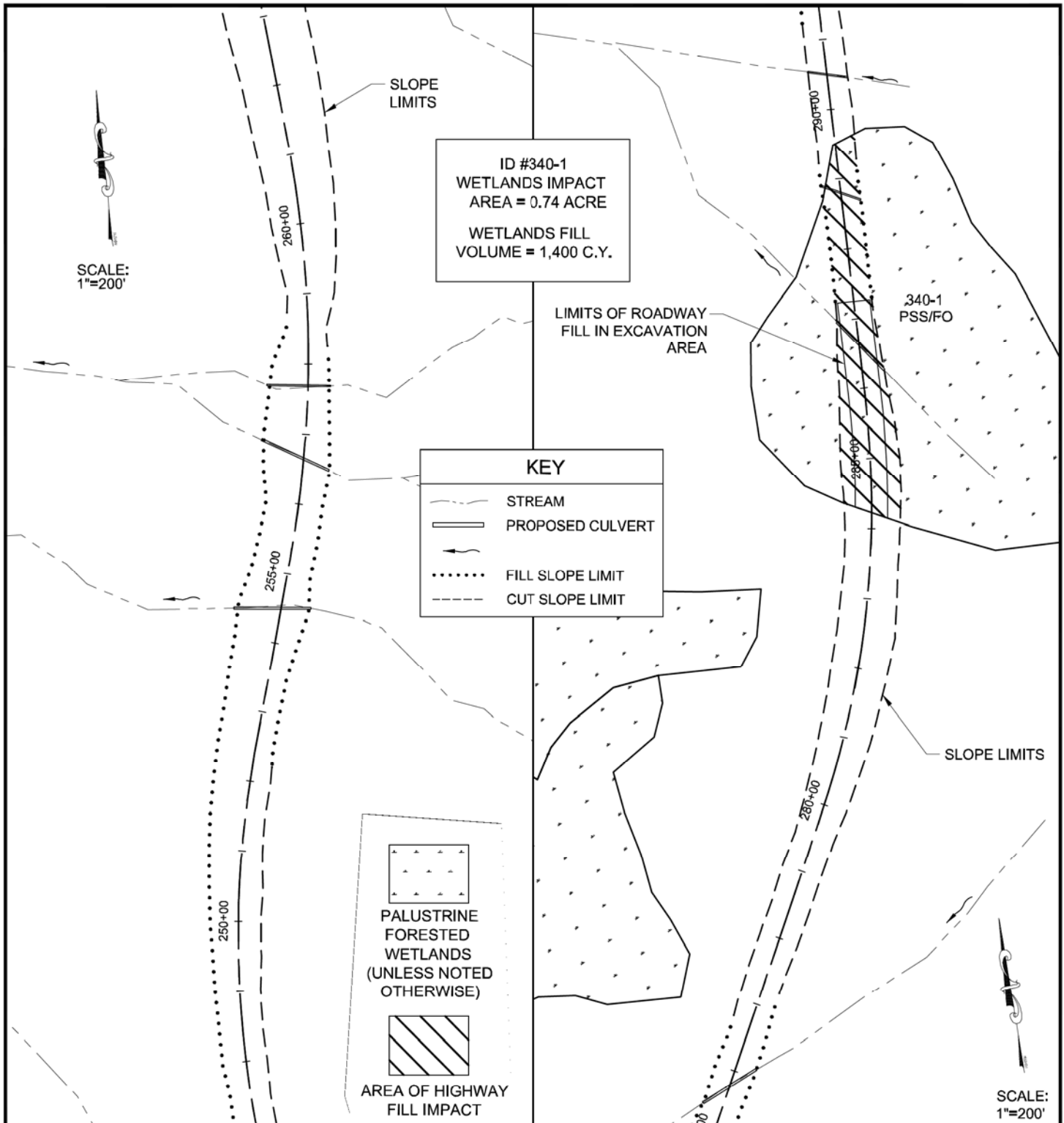
**JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2**

AT: JUNEAU, ALASKA

LOCATED IN: T. 37 S., R. 63 E., SECT. 1, C.R.M.
T. 36 S., R. 63 E., SECT. 32, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **36** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

**Palustrine Wetlands
Areas and
Stream Crossings**

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

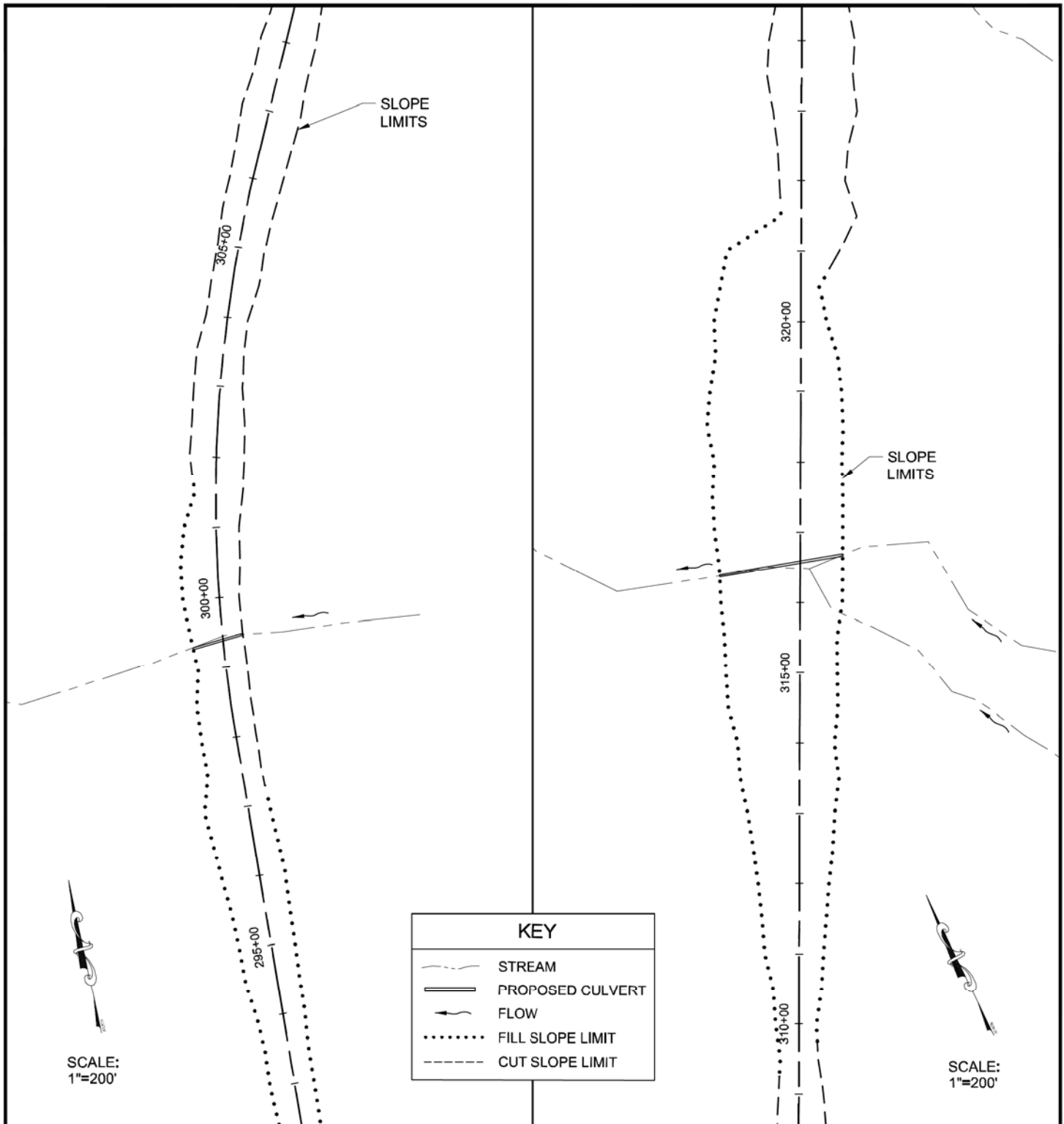
JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 36 S., R. 63 E.,
SECTIONS 29 & 32, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **37** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

Stream Crossings

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

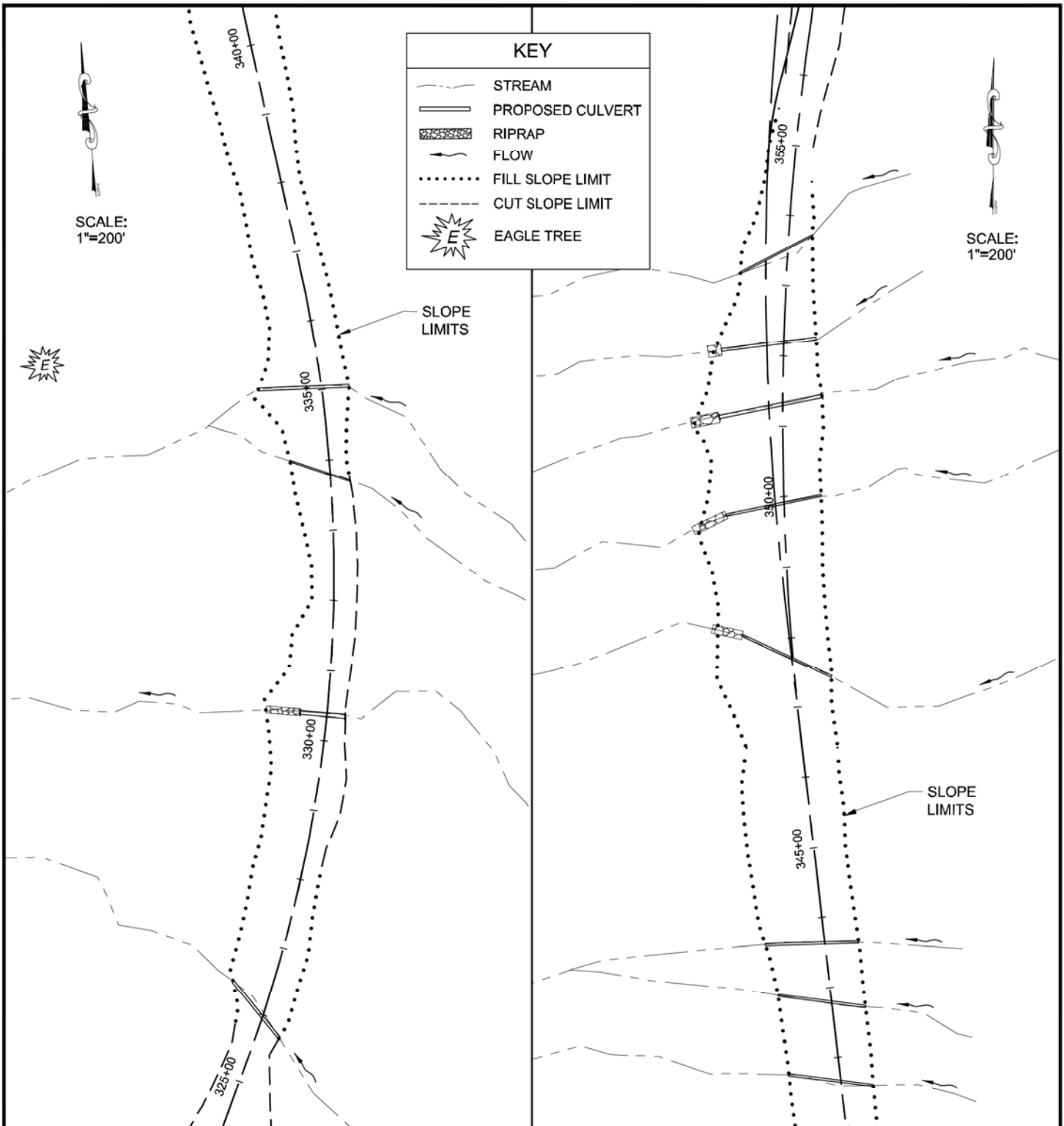
LOCATED IN: T. 36 S., R. 63 E.,

SECTIONS 20 ,21 ,28 & 29, C.R.M.

DETAIL PLAN SHEETS

DATE: October 2014

SHEET **39** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. SEALASKA CORP.

WATER BODY:

LYNN CANAL AND BERNERS BAY

Stream Crossings

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

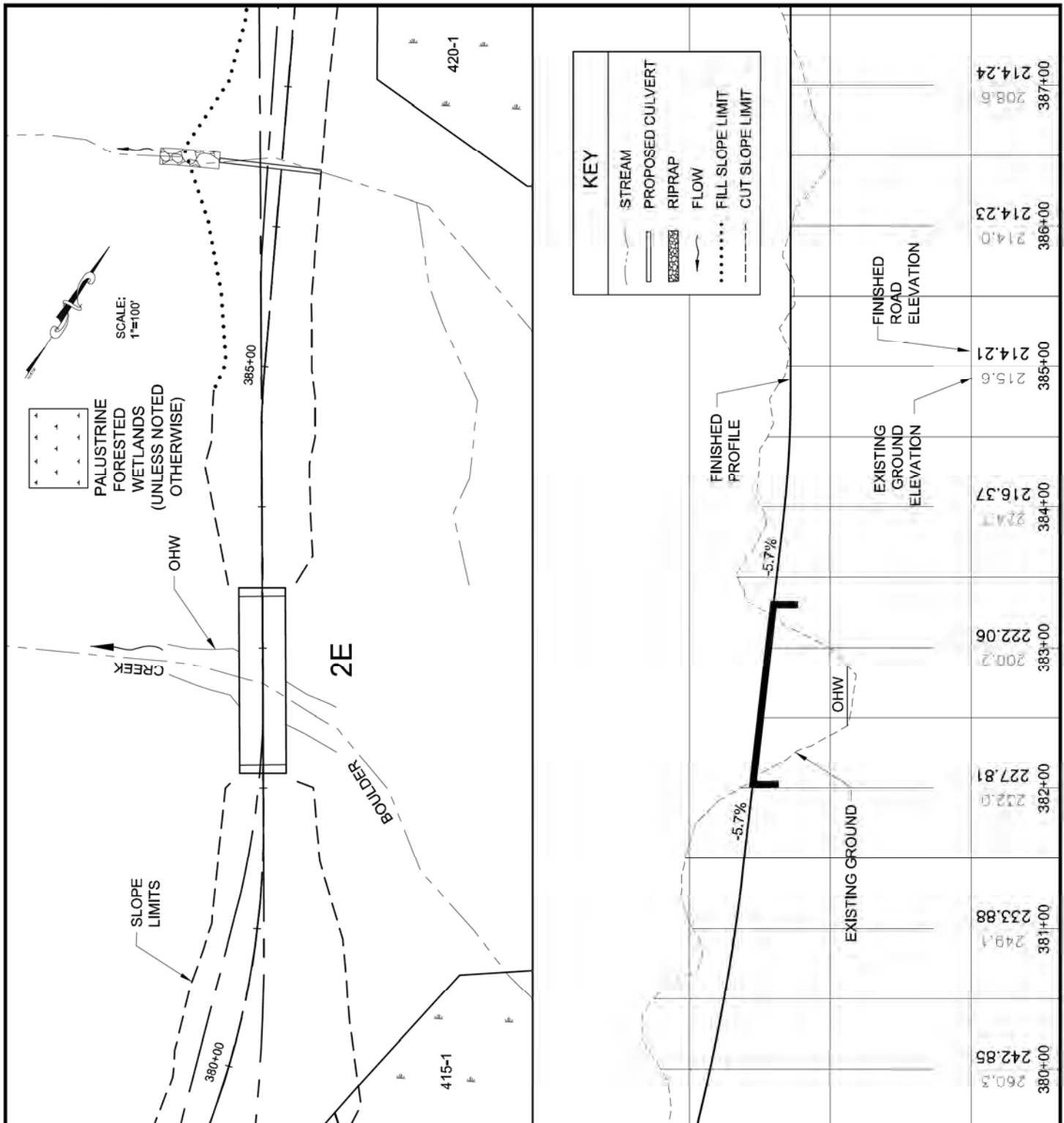
JUNEAU ACCESS IMPROVEMENTS
FILE #: POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 36 S., R. 63 E., SECT. 21, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **40** OF **93**

**ADJACENT PROPERTY OWNERS:**

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. GAIL OLDS, ET AL.
3. A.D.N.R.

WATER BODY:

LYNN CANAL AND BERNERS BAY

Boulder Creek Bridge Bridge No. 2E

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

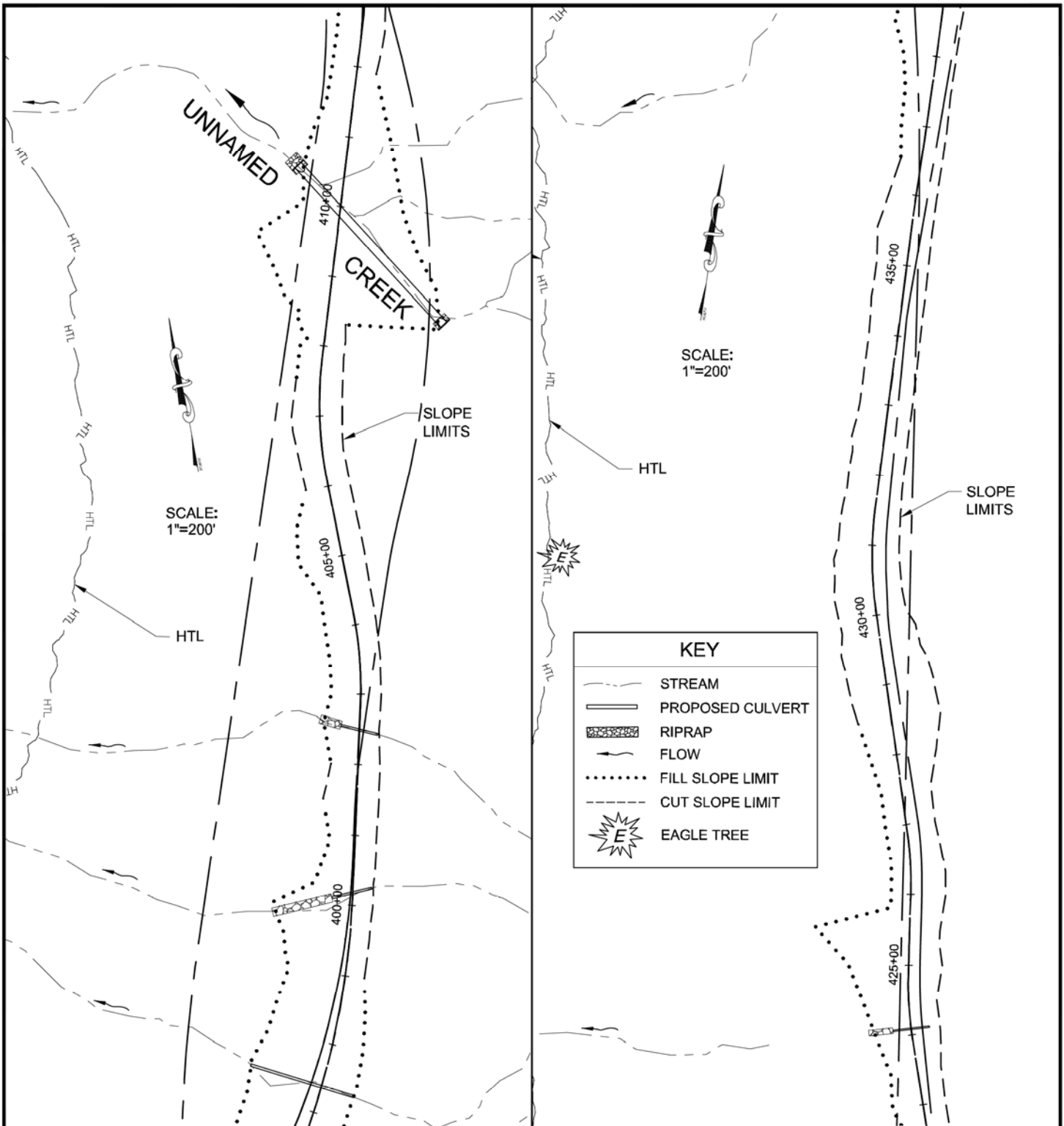
JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 36 S., R. 63 E., SECT. 16, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **42** OF **93**



ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

Stream Crossings

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

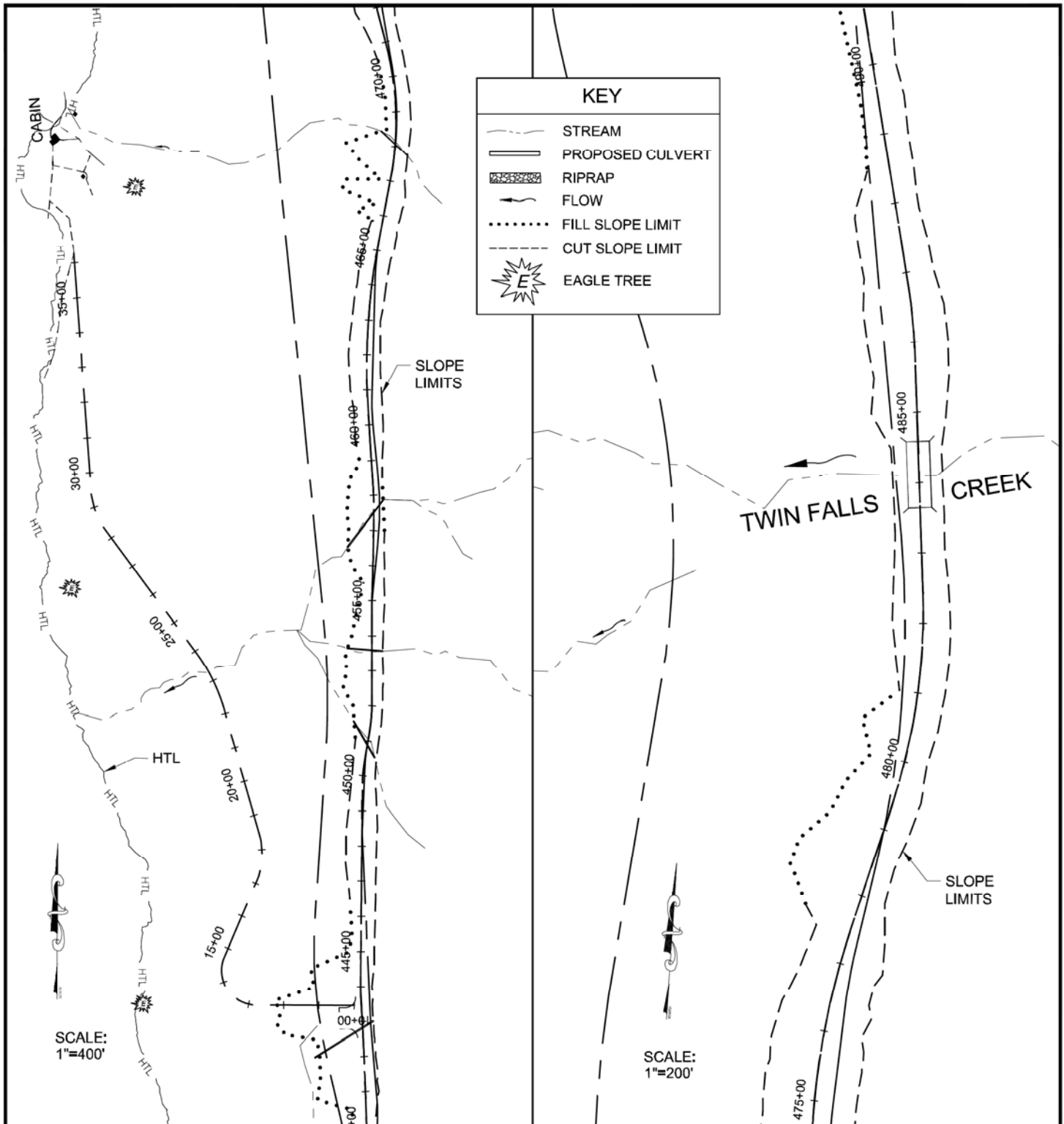
LOCATED IN: T. 36 S., R. 63 E.,

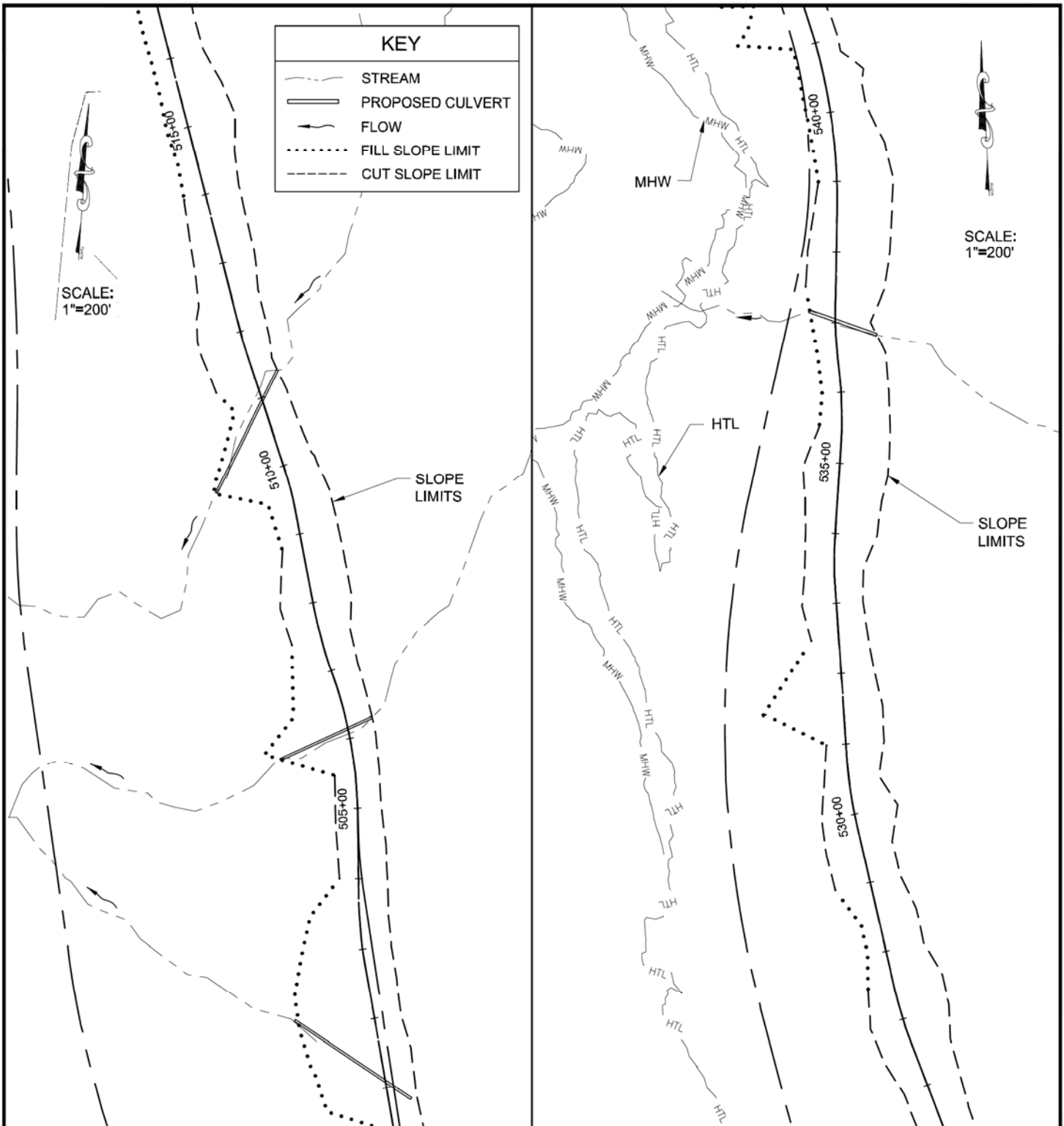
SECTIONS 8, 9, 16 & 17, C.R.M.

DETAIL PLAN SHEETS

DATE: October 2014

SHEET **43** OF **93**





ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

Stream Crossings

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

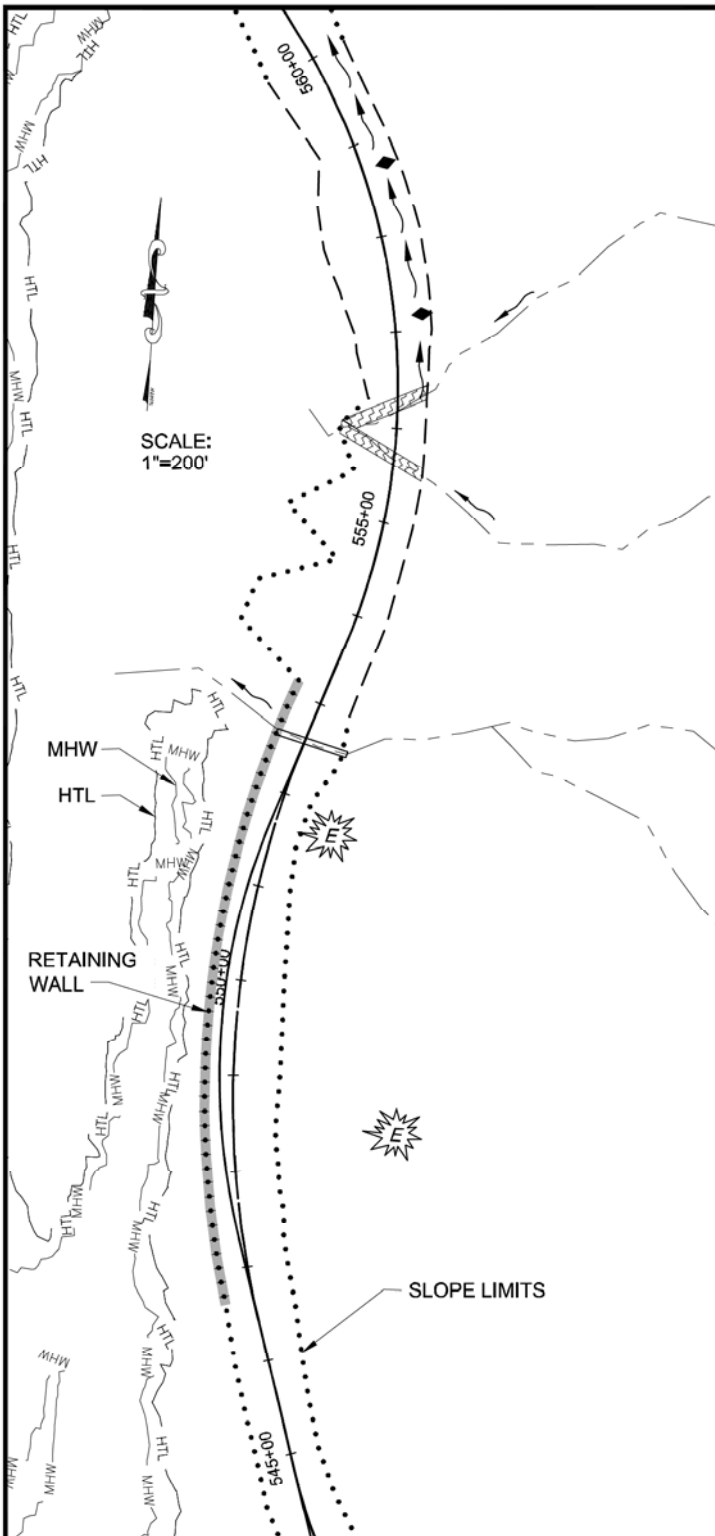
JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 35 S., R. 63 E., SECT. 32, C.R.M.
T. 36 S., R. 63 E., SECT. 5, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **45** OF **93**



KEY	
	STREAM
	PROPOSED CULVERT
	STREAM SEGMENT REMOVED BY THRU-CUT EXCAVATION
	RIPRAP
	FLOW
	FILL SLOPE LIMIT
	CUT SLOPE LIMIT
	EAGLE TREE
	DITCH BLOCK

(THIS SHEET LEFT BLANK.)

ADJACENT PROPERTY OWNERS:

1. U.S. FOREST SERVICE AND OTHERS, VARIES

WATER BODY:

LYNN CANAL AND BERNERS BAY

Stream Crossings

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

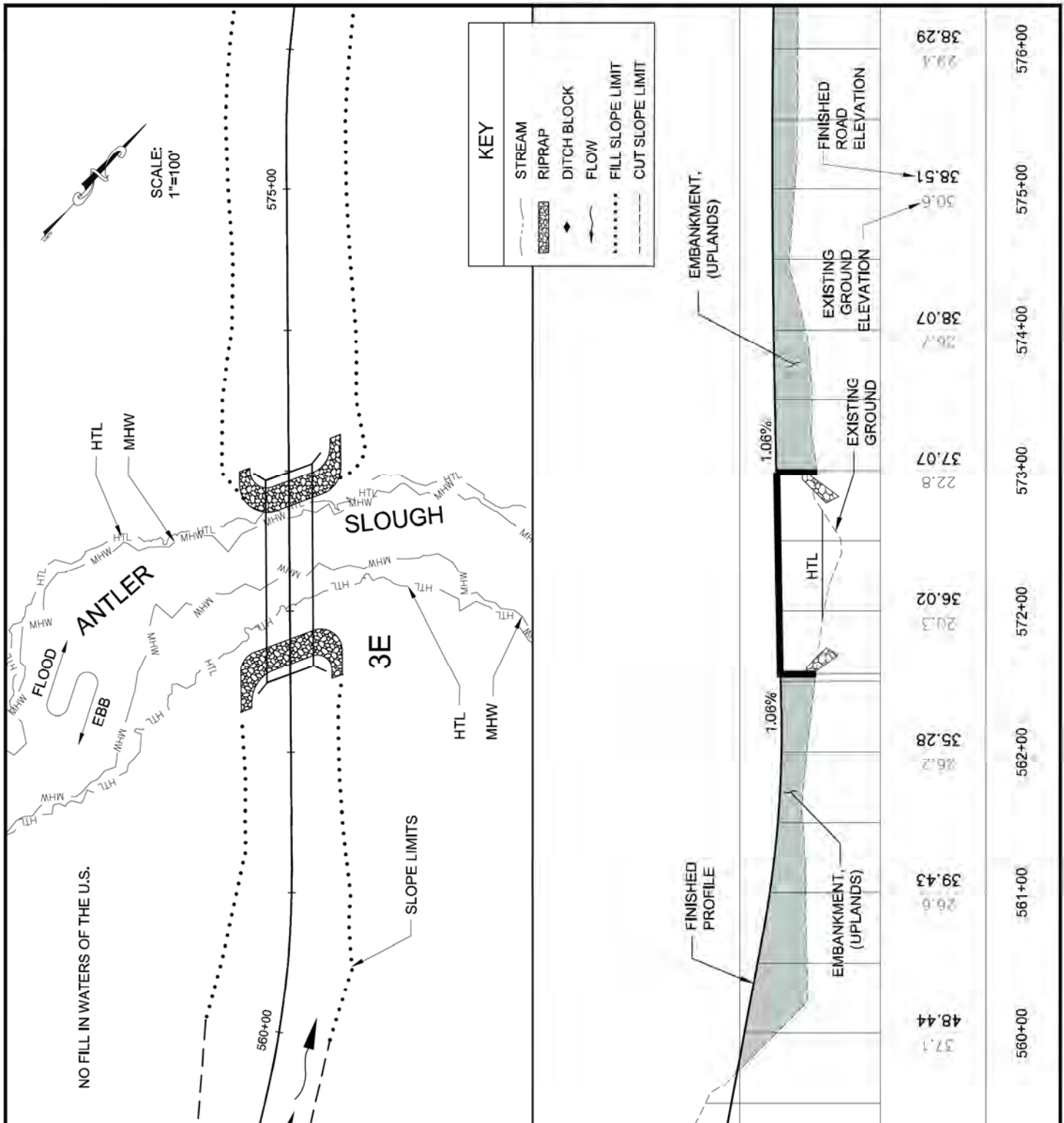
JUNEAU ACCESS IMPROVEMENTS
FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 35 S., R. 63 E., SECT. 32, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **46** OF **93**

**ADJACENT PROPERTY OWNERS:**

1. U.S. FOREST SERVICE AND OTHERS, VARIES
2. A.D.N.R.

WATER BODY:

LYNN CANAL AND BERNERS BAY

Antler Slough Bridge Bridge No. 3E

APPLICATION BY:
ALASKA STATE DEPT. OF TRANSPORTATION
AND PUBLIC FACILITIES
S.E. REGION DESIGN & ENGINEERING SERVICES

JUNEAU ACCESS IMPROVEMENTS FILE # : POA - 2006 - 597 - 2

AT: JUNEAU, ALASKA

LOCATED IN: T. 35 S., R. 63 E., SECT. 32, C.R.M.

DETAIL PLAN SHEETS
DATE: October 2014

SHEET **47** OF **93**

