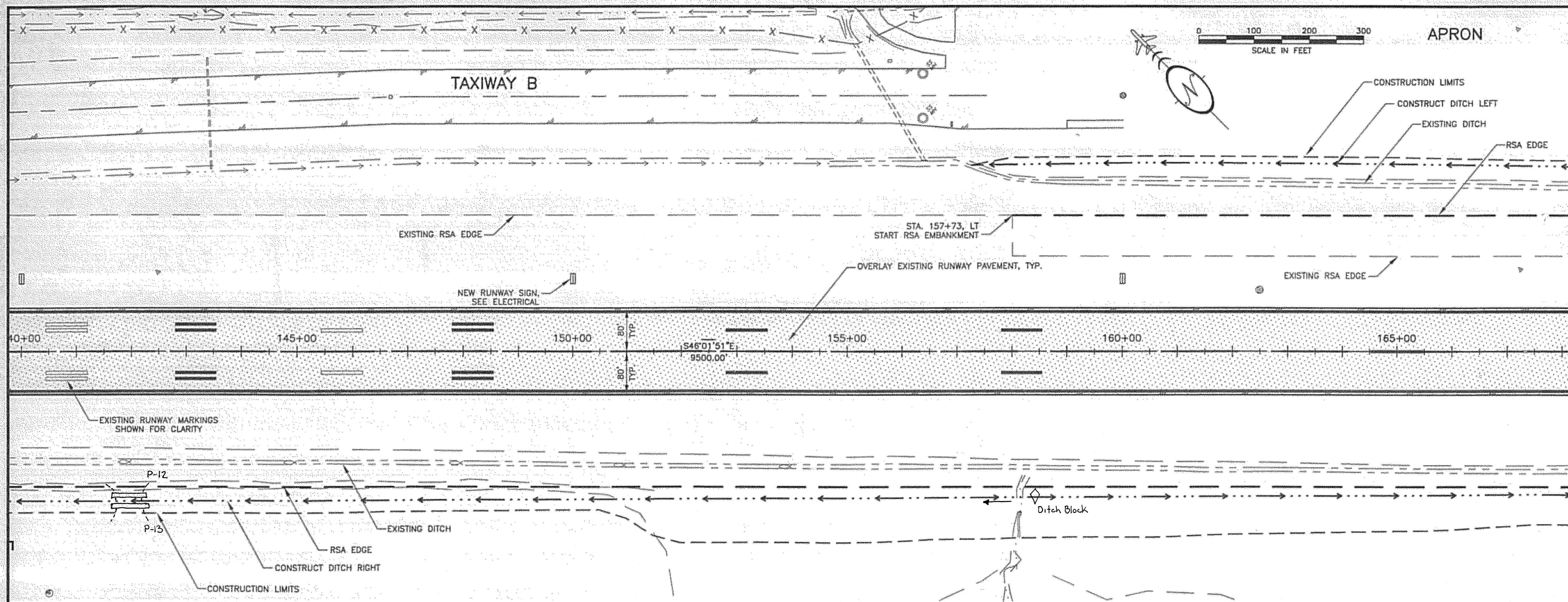




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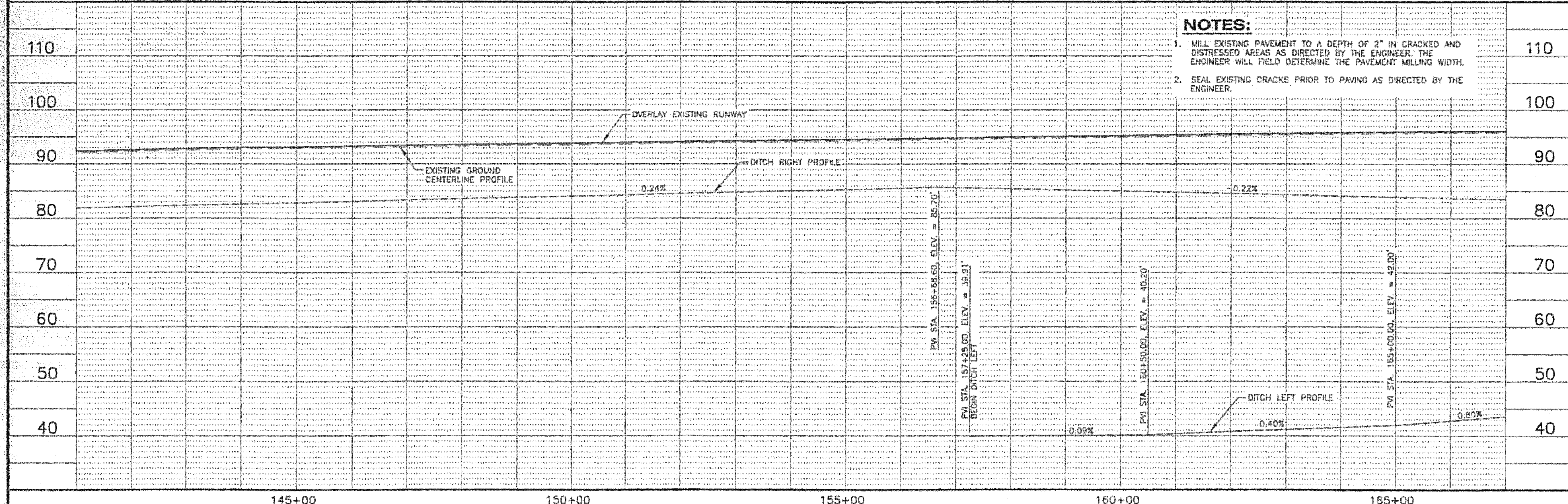
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

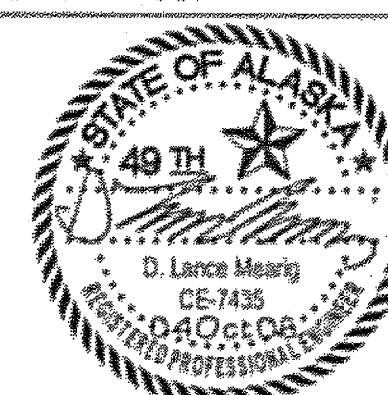
RUNWAY PLAN & PROFILE



NOTES:

1. MILL EXISTING PAVEMENT TO A DEPTH OF 2" IN CRACKED AND DISTRESSED AREAS AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL FIELD DETERMINE THE PAVEMENT MILLING WIDTH.
2. SEAL EXISTING CRACKS PRIOR TO PAVING AS DIRECTED BY THE ENGINEER.

PREPARED BY: USKH INC.
CHECKED BY: DLM



DESIGNED BY: EJC
DRAWN BY: WJP

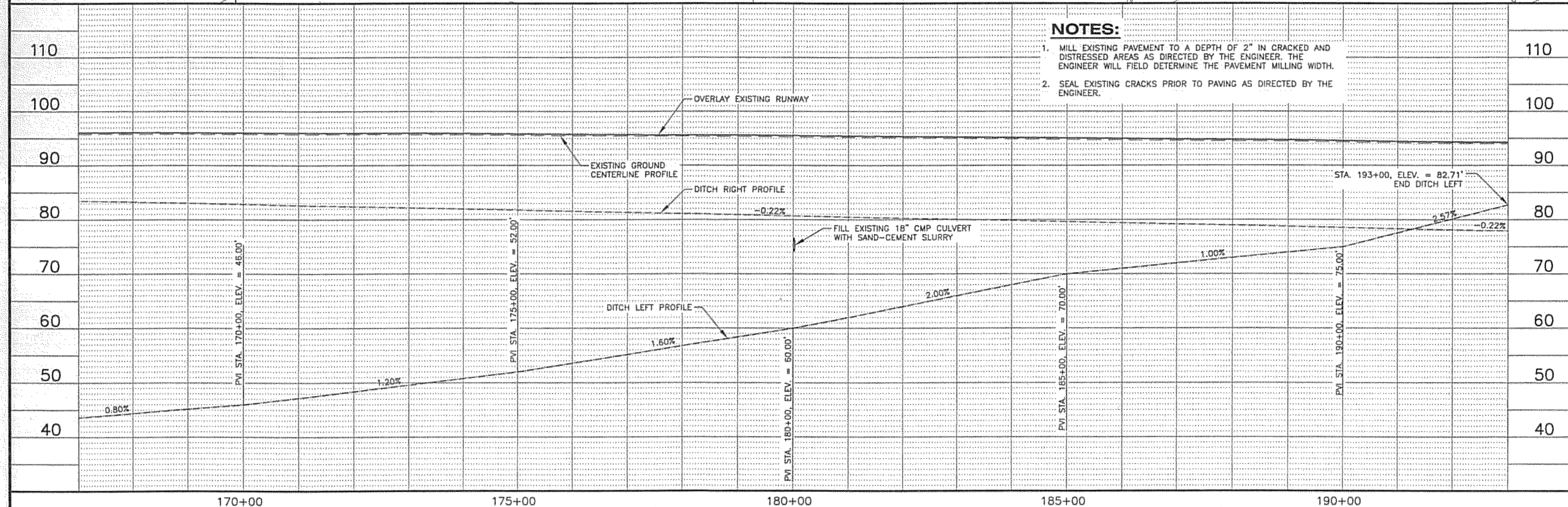
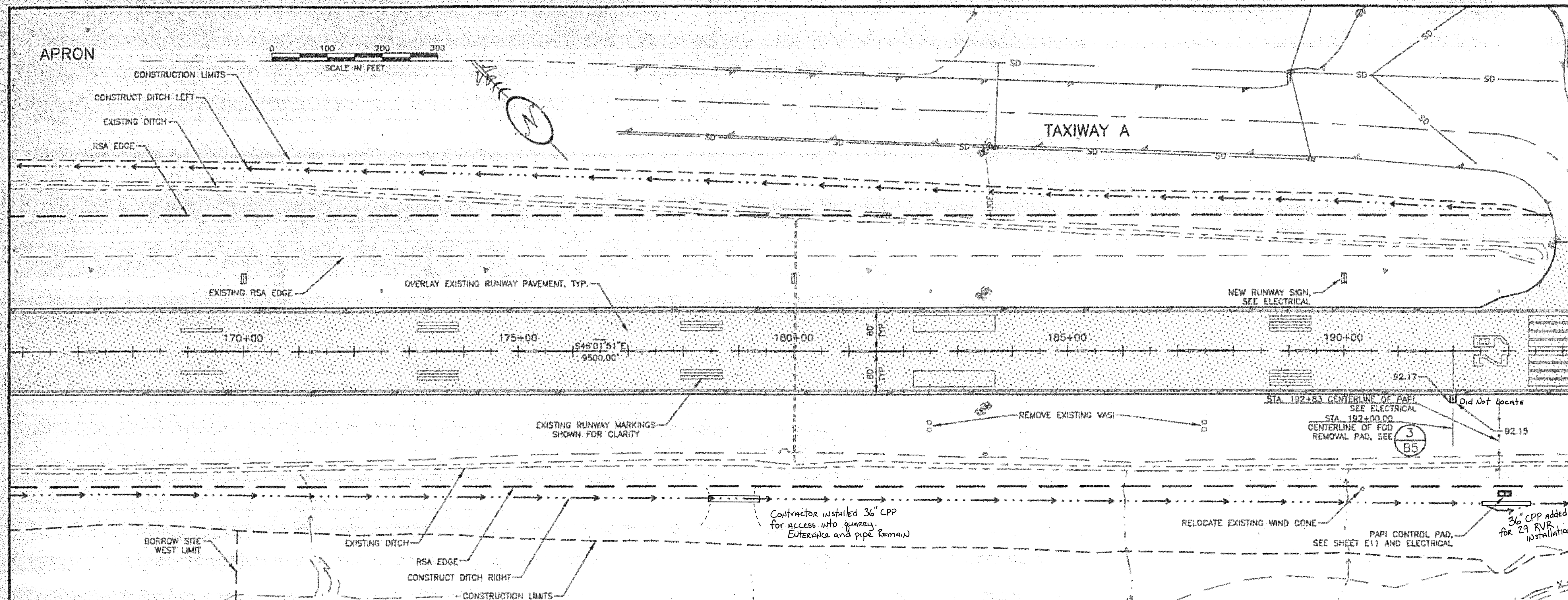
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

RUNWAY PLAN & PROFILE

PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
E2	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



NOTES:

1. MILL EXISTING PAVEMENT TO A DEPTH OF 2" IN CRACKED AND DISTRESSED AREAS AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL FIELD DETERMINE THE PAVEMENT MILLING WIDTH.
2. SEAL EXISTING CRACKS PRIOR TO PAVING AS DIRECTED BY THE ENGINEER.

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Wed, 04/Oct/06 08:39AM bpaddock
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

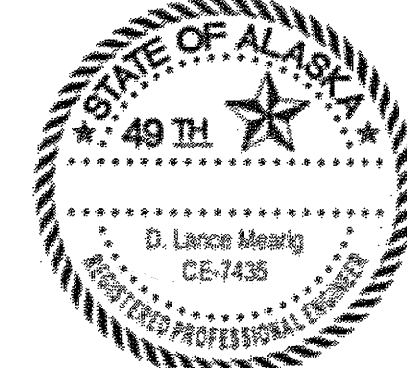
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

RUNWAY PLAN & PROFILE

PREPARED BY: USKH INC.

CHECKED BY: OLM



DESIGNED BY: EUG

DRAWN BY: WJP

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

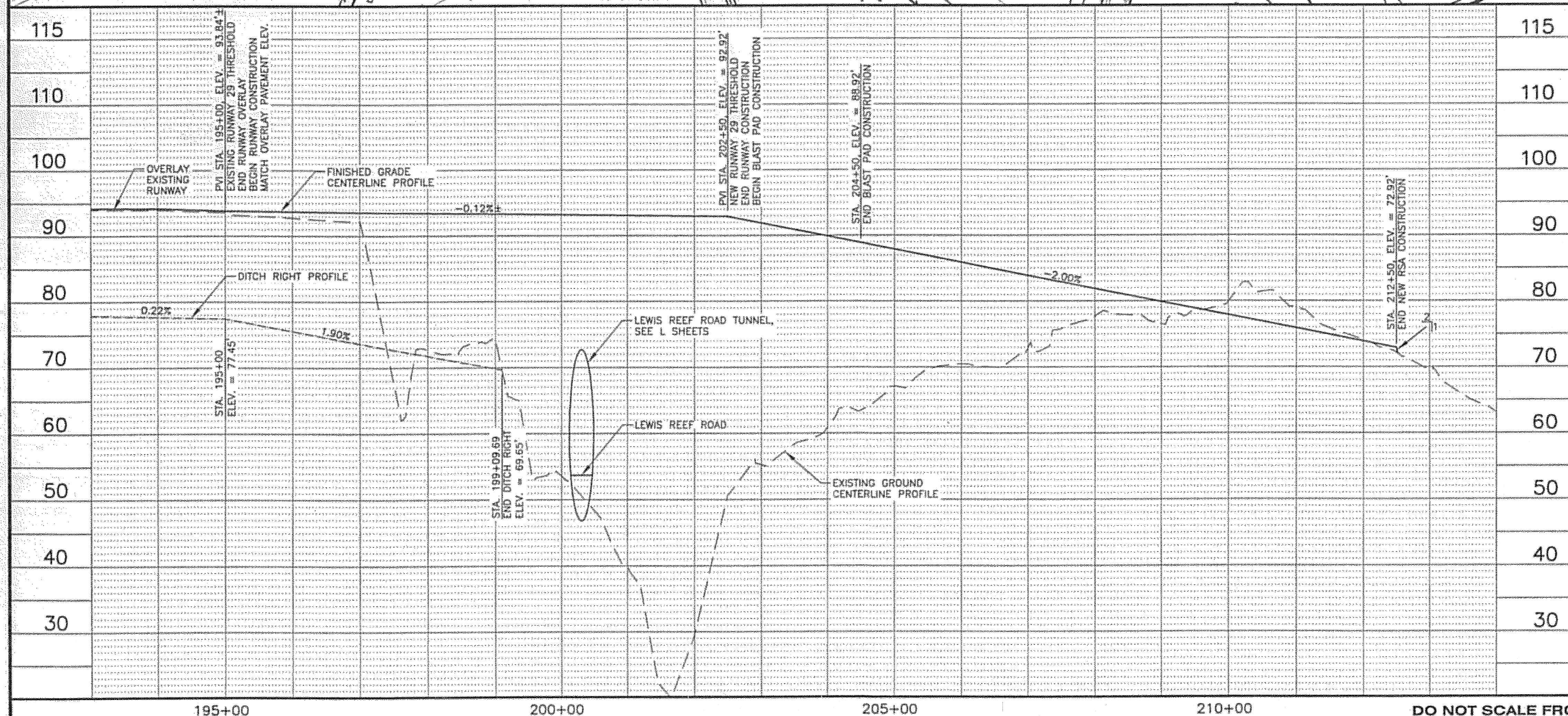
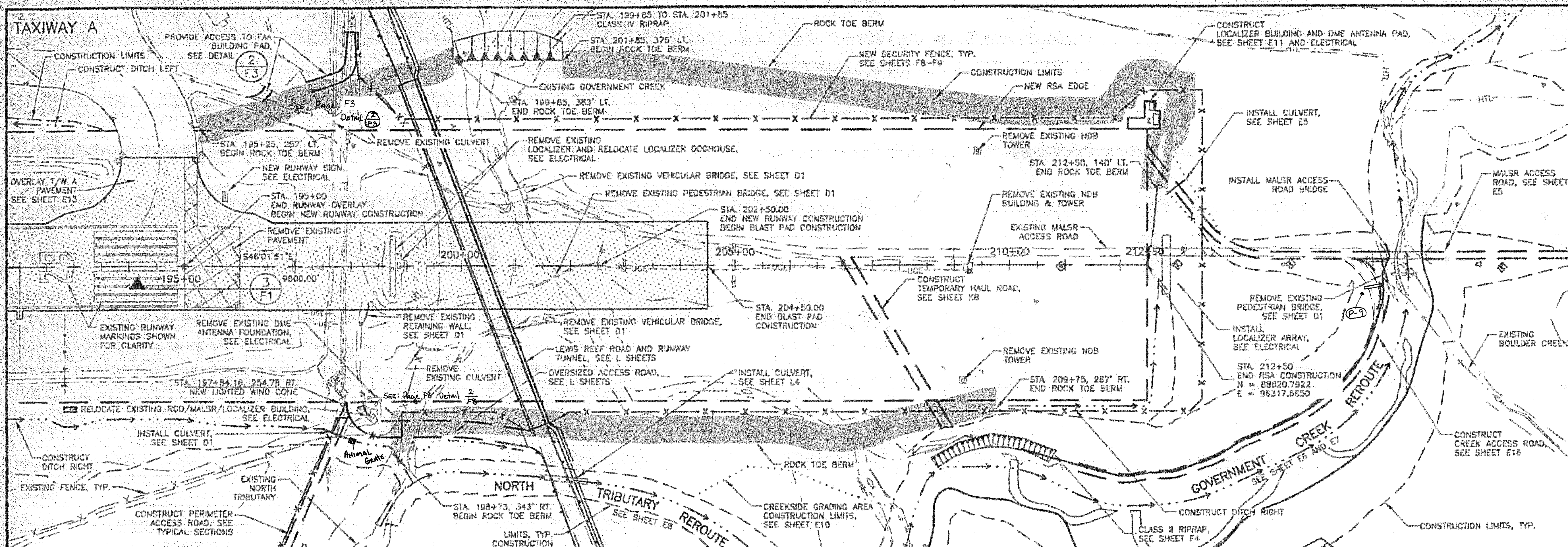
RUNWAY PLAN & PROFILE

PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
E3	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



- NOTES:**
1. MILL EXISTING PAVEMENT TO A DEPTH OF 2" IN CRACKED AND DISTRESSED AREAS AS DIRECTED BY THE ENGINEER. THE ENGINEER WILL FIELD DETERMINE THE PAVEMENT MILLING WIDTH.
 2. SEAL EXISTING CRACKS PRIOR TO PAVING AS DIRECTED BY THE ENGINEER.



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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

PREPARED BY: USKH INC.
CHECKED BY: DLM

DESIGNED BY: EUG
DRAWN BY: WJP

STATE OF ALASKA
49TH
D. Lance Mering
CE-7435
REGISTERED PROFESSIONAL ENGINEER

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

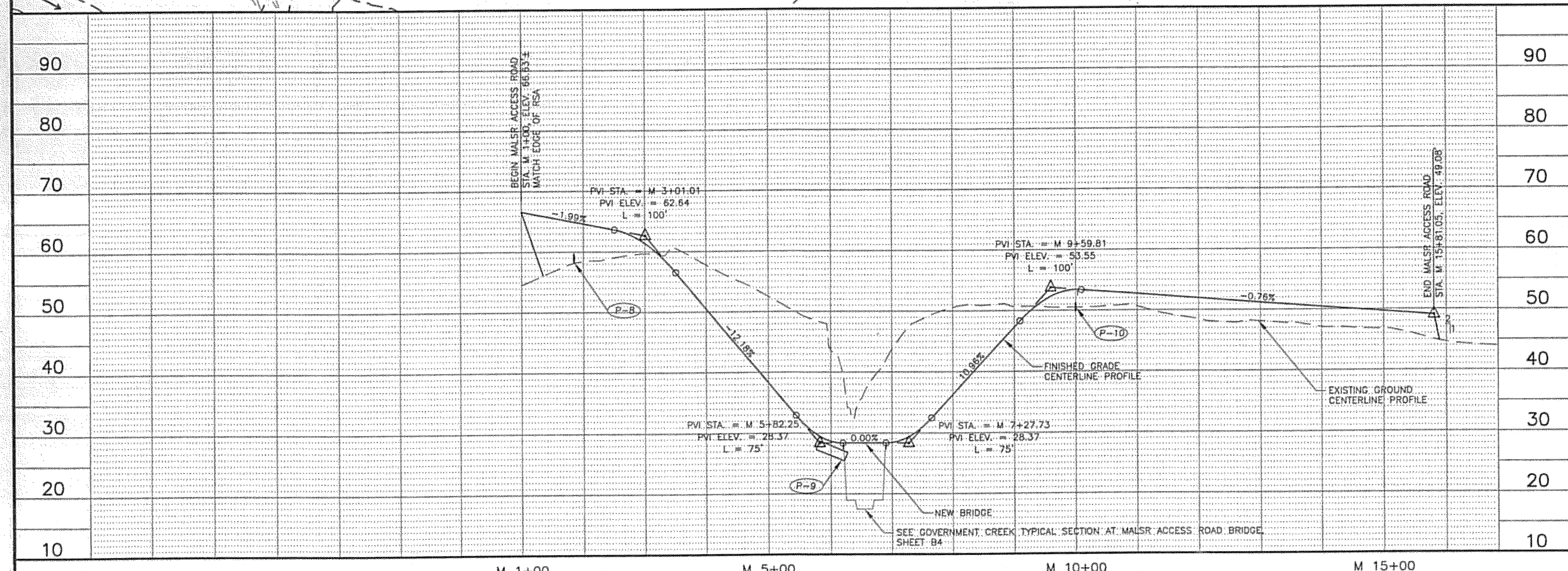
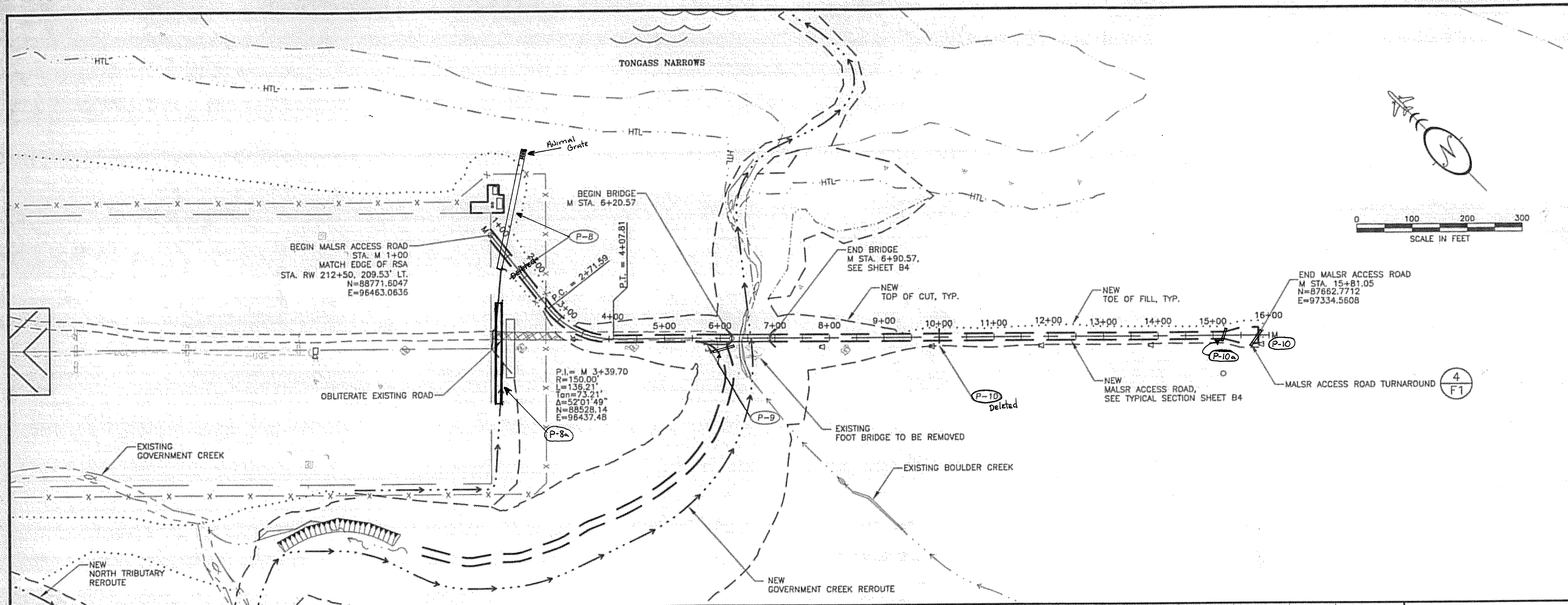
**RUNWAY
PLAN & PROFILE**

PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006

SHEET NUMBER	TOTAL SHEETS
E4	131

RUNWAY PLAN & PROFILE



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RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

ADDENDUM NUMBER
 ATTACHMENT NUMBER

KETCHIKAN AIRPORT
 RUNWAY SAFETY AREA EXPANSION
 & RUNWAY OVERLAY
 PROJECT NO. 68306

MALSR ACCESS ROAD PLAN & PROFILE

PREPARED BY: USKH INC.
 CHECKED BY: DLM

DESIGNED BY: EJC
 DRAWN BY: WJP

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

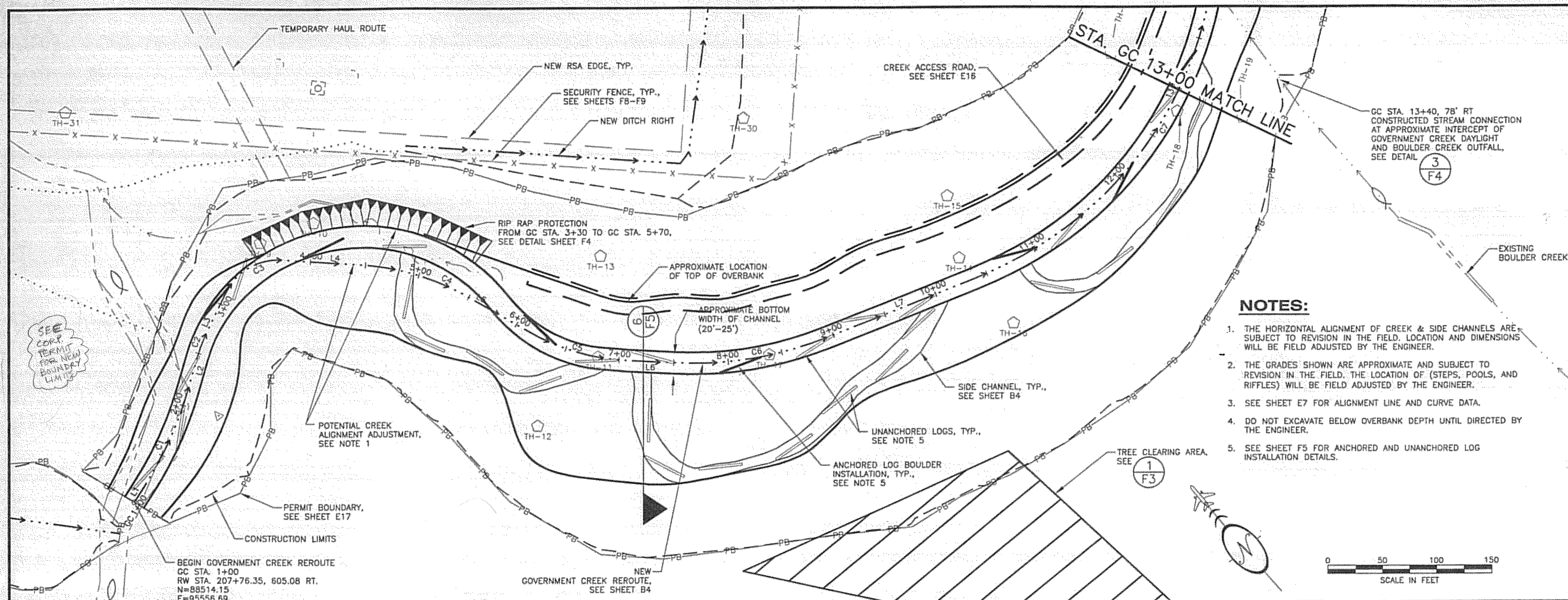
MALSR ACCESS
 ROAD
 PLAN & PROFILE

PROJECT DESIGNATION
 AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006

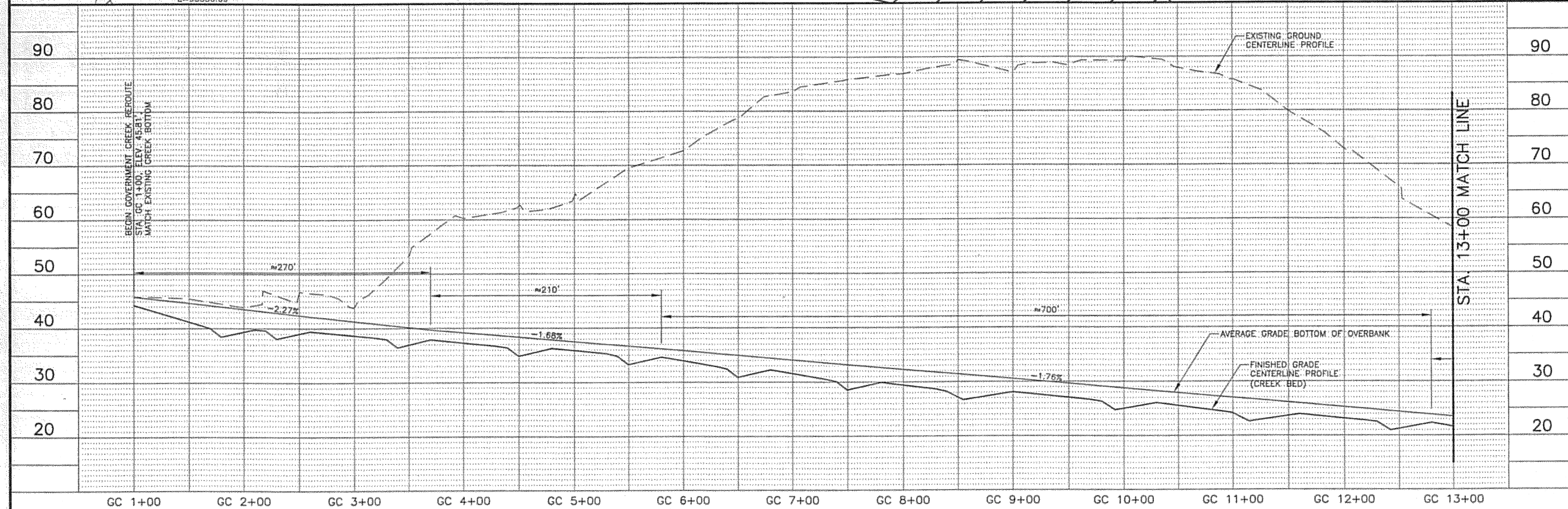
SHEET NUMBER	TOTAL SHEETS
E5	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



NOTES:

1. THE HORIZONTAL ALIGNMENT OF CREEK & SIDE CHANNELS ARE SUBJECT TO REVISION IN THE FIELD. LOCATION AND DIMENSIONS WILL BE FIELD ADJUSTED BY THE ENGINEER.
2. THE GRADES SHOWN ARE APPROXIMATE AND SUBJECT TO REVISION IN THE FIELD. THE LOCATION OF (STEPS, POOLS, AND RIFFLES) WILL BE FIELD ADJUSTED BY THE ENGINEER.
3. SEE SHEET E7 FOR ALIGNMENT LINE AND CURVE DATA.
4. DO NOT EXCAVATE BELOW OVERBANK DEPTH UNTIL DIRECTED BY THE ENGINEER.
5. SEE SHEET F5 FOR ANCHORED AND UNANCHORED LOG INSTALLATION DETAILS.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\823400\Draws\C\Sheets\E06.dwg
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
 RUNWAY SAFETY AREA EXPANSION
 & RUNWAY OVERLAY
 PROJECT NO. 68306

GOVERNMENT CREEK PLAN & PROFILE

PREPARED BY: USKH INC.
 CHECKED BY: DLM

DESIGNED BY: EJC
 DRAWN BY: WJP

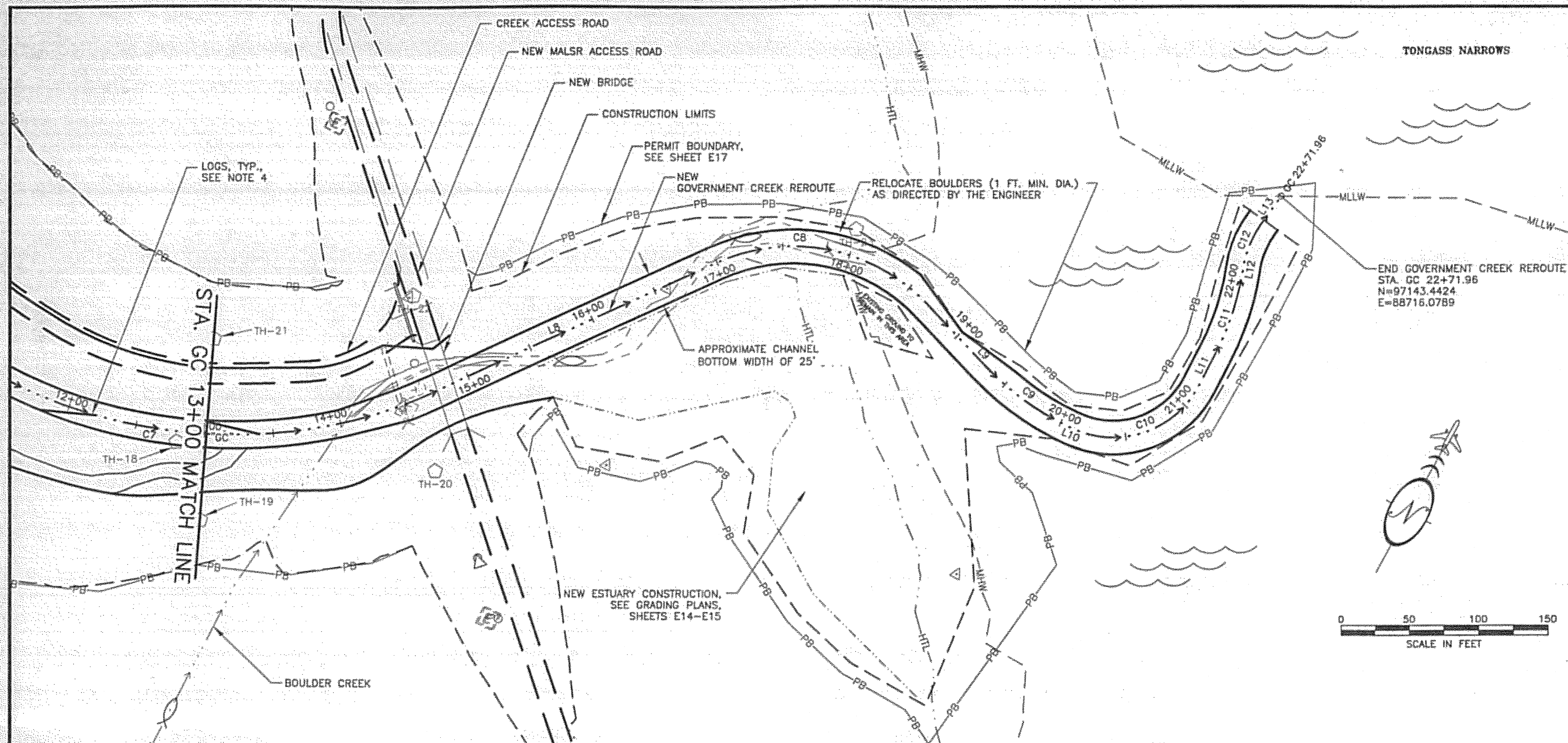
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 DESIGN & ENGINEERING SERVICES
 DIVISION-SOUTHEAST REGION

GOVERNMENT CREEK
 PLAN & PROFILE

PROJECT DESIGNATION
 AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006

SHEET NUMBER	TOTAL SHEETS
E6	131



NOTES:

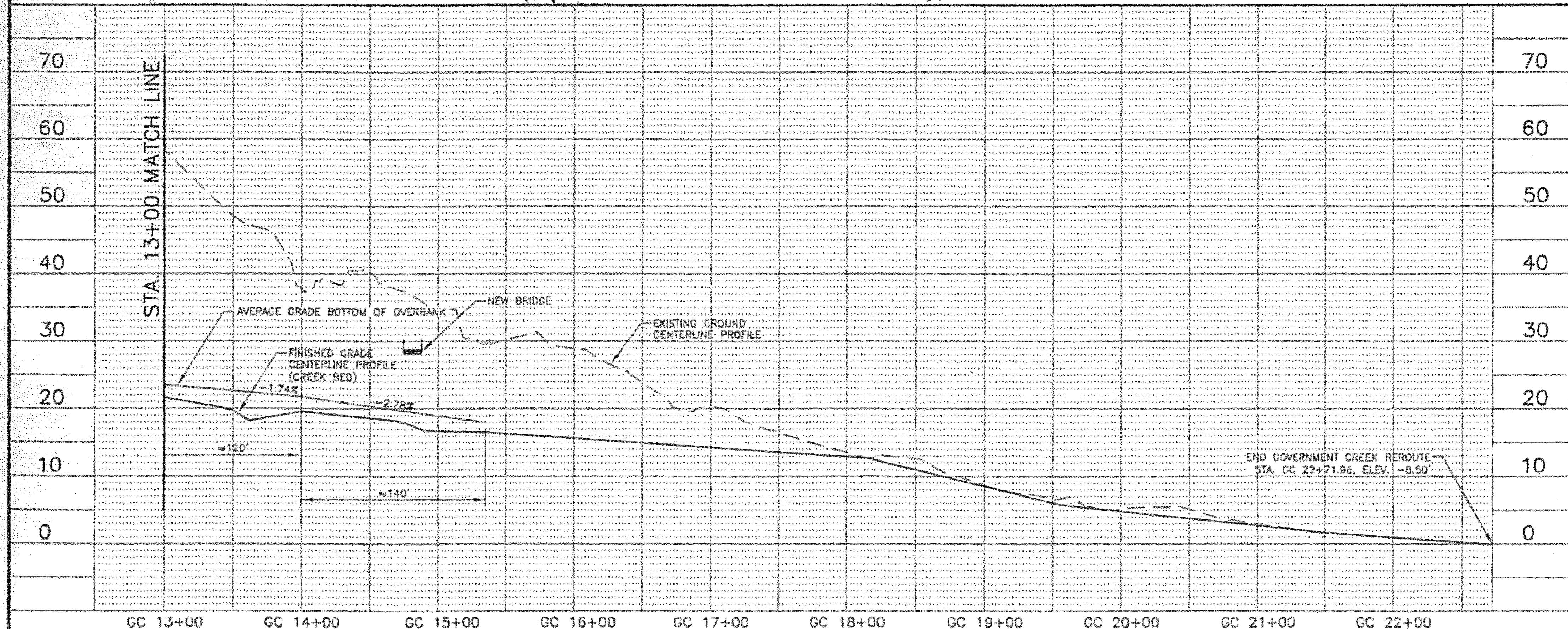
1. THE HORIZONTAL ALIGNMENT OF THE CREEK IS SUBJECT TO CHANGE, DEPENDING ON SITE CONDITIONS.
2. THE GRADES SHOWN ARE APPROXIMATE AND SUBJECT TO REVISION IN THE FIELD. THE LOCATION OF (STEPS, POOLS, AND RIFFLES) WILL BE FIELD ADJUSTED BY THE ENGINEER.
3. DO NOT EXCAVATE BELOW OVERBANK DEPTH UNTIL DIRECTED BY THE ENGINEER.
4. SEE SHEET F5 FOR ANCHORED AND UNANCHORED LOG INSTALLATION DETAILS.

LINE TABLE

LINE	LENGTH (FT.)	BEARING
L1	16.68	N71°53'27"E
L2	31.59	N55°50'20"E
L3	40.06	N65°52'47"E
L4	71.23	S46°14'43"E
L5	60.87	S19°23'53"E
L6	43.63	S46°56'47"E
L7	147.21	S71°47'51"E
L8	225.62	N37°16'12"E
L9	63.64	S70°58'45"E
L10	1.31	N86°41'04"E
L11	28.30	N00°58'40"W
L12	0.65	N19°25'00"W
L13	25.42	N07°40'06"E

CURVE TABLE

CURVE	P.I.	RADIUS (FT.)	TANGENT (FT.)	DELTA	LENGTH (FT.)
C1	1+65.71	350.00	49.35	16°03'07"	98.08
C2	2+59.47	150.00	13.18	10°02'27"	26.29
C3	3+43.48	52.00	34.99	67°52'30"	61.60
C4	4+98.23	225.00	53.70	26°50'51"	105.43
C5	6+59.89	200.00	49.03	27°32'54"	96.16
C6	8+22.09	325.00	71.61	24°51'05"	140.96
C7	12+56.42	350.00	249.34	70°55'57"	433.30
C8	17+83.23	135.00	97.64	71°45'03"	169.06
C9	19+70.38	200.00	39.49	22°20'11"	77.97
C10	20+64.23	70.00	67.20	87°39'44"	107.10
C11	21+78.26	200.00	32.46	18°26'20"	64.36
C12	22+28.81	75.00	18.06	27°05'06"	35.45



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

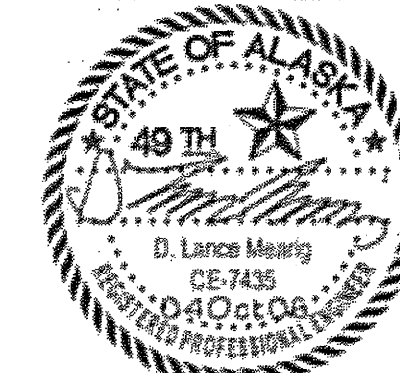
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

GOVERNMENT CREEK PLAN & PROFILE

PREPARED BY: USKH INC.

CHECKED BY: DLM



DESIGNED BY: EUG

DRAWN BY: WJP

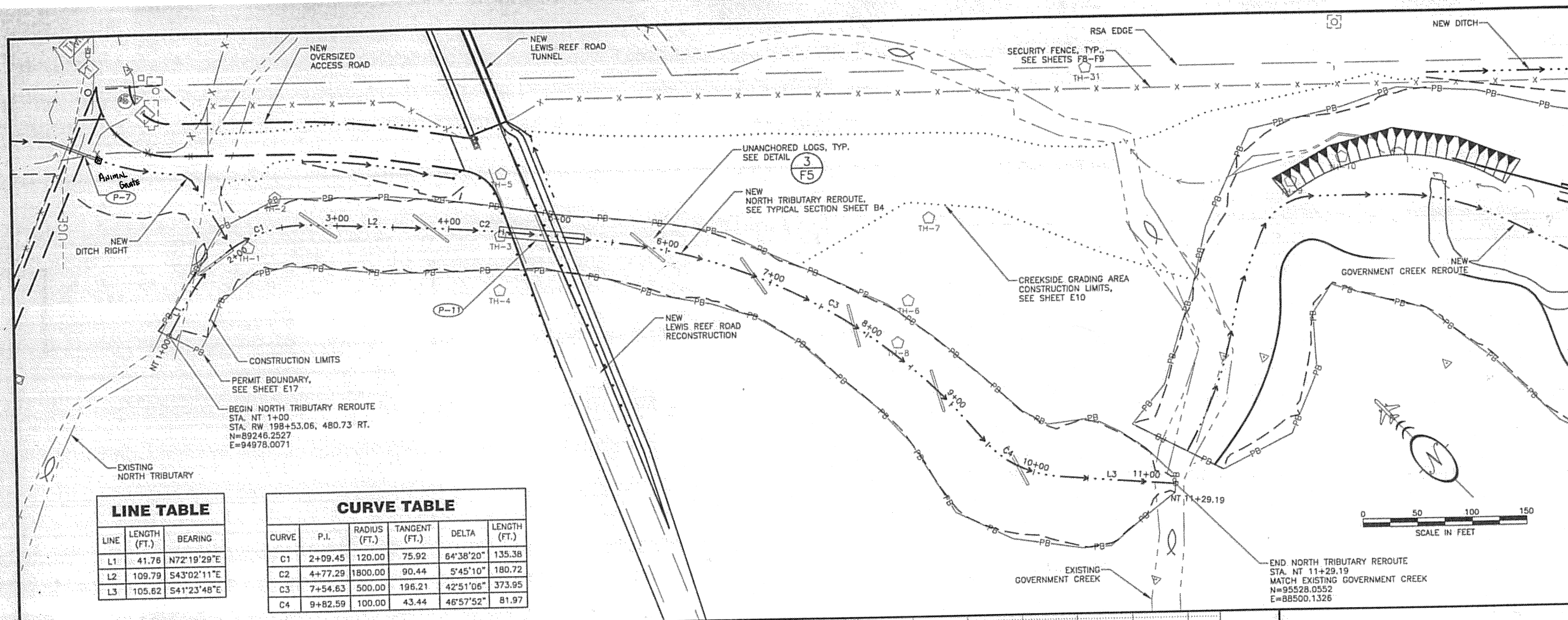
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

GOVERNMENT
CREEK
PLAN & PROFILE

PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
E7	131

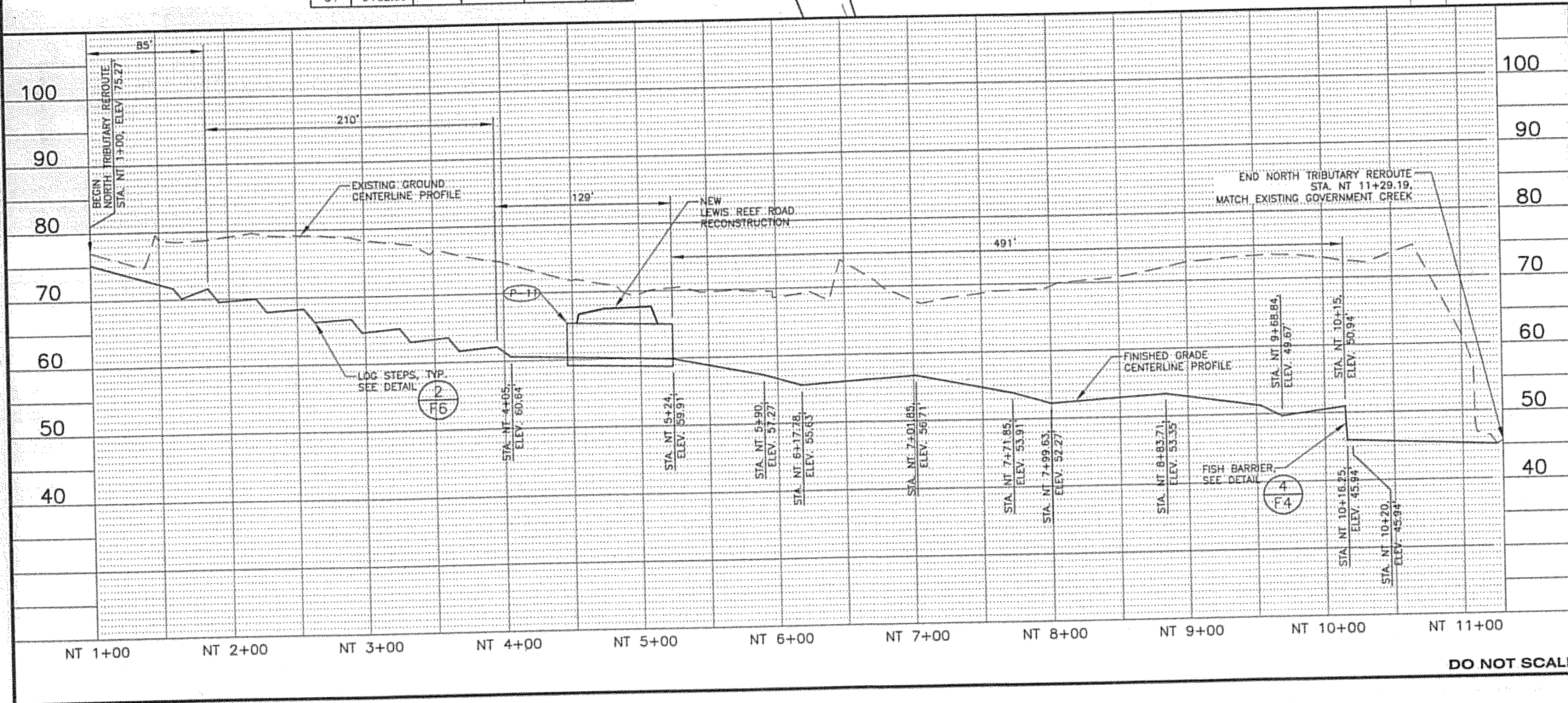


LINE TABLE

LINE	LENGTH (FT.)	BEARING
L1	41.76	N72°19'29"E
L2	109.79	S43°02'11"E
L3	105.62	S41°23'48"E

CURVE TABLE

CURVE	P.I.	RADIUS (FT.)	TANGENT (FT.)	DELTA	LENGTH (FT.)
C1	2+09.45	120.00	75.92	64°38'20"	135.38
C2	4+77.29	1800.00	90.44	5°45'10"	180.72
C3	7+54.63	500.00	196.21	42°51'06"	373.95
C4	9+82.59	100.00	43.44	46°57'52"	81.97



TEST HOLE LOCATIONS

TEST HOLE NO.	NORTH TRIBUTARY	
	STATION	OFFSET
TH-1	NT 2+13	8 RT.
TH-2	NT 2+49	27 LT.
TH-3	NT 4+47	4 RT.
TH-4	NT 4+50	54 RT.
TH-5	NT 4+44	53 LT.
TH-6	NT 8+12	47 LT.
TH-7	NT 7+88	120 LT.
TH-8	NT 8+27	10 LT.

NOTES:

1. THE HORIZONTAL ALIGNMENT OF THE CREEK IS SUBJECT TO CHANGE, DEPENDING ON SITE CONDITIONS.
2. THE GRADES SHOWN ARE APPROXIMATE AND SUBJECT TO REVISION IN THE FIELD. THE LOCATION OF (STEPS, POOLS, AND RIFFLES) WILL BE FIELD ADJUSTED BY THE ENGINEER.

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Wed, 04/Oct/06 08:40AM bpdock
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ATTACHMENT NUMBER

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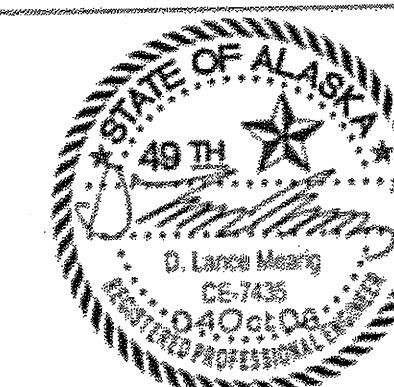
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

NORTH TRIBUTARY PLAN & PROFILE

PREPARED BY: USKH INC.

CHECKED BY: DLM



DESIGNED BY: EUG

DRAWN BY: WJP

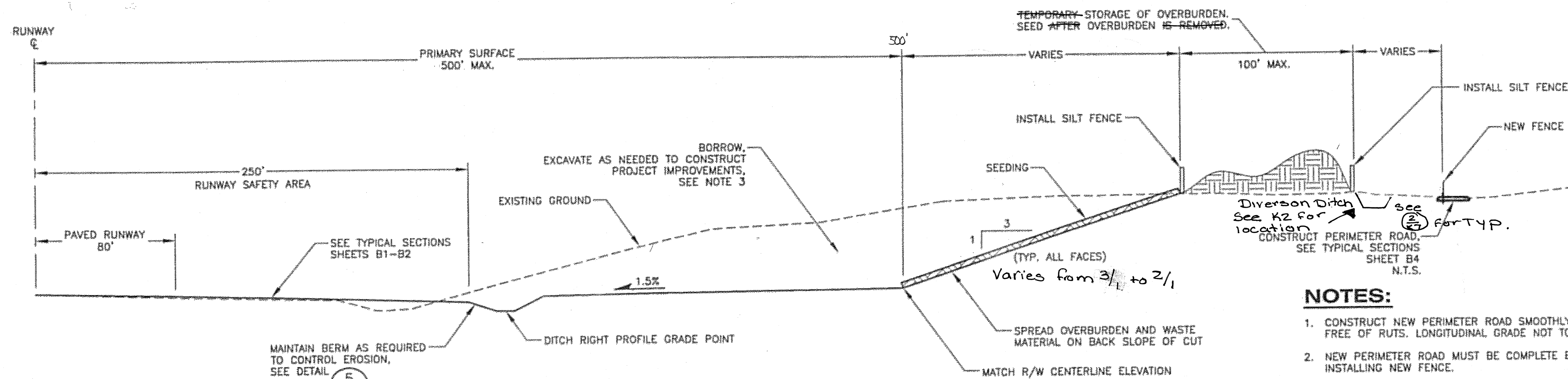
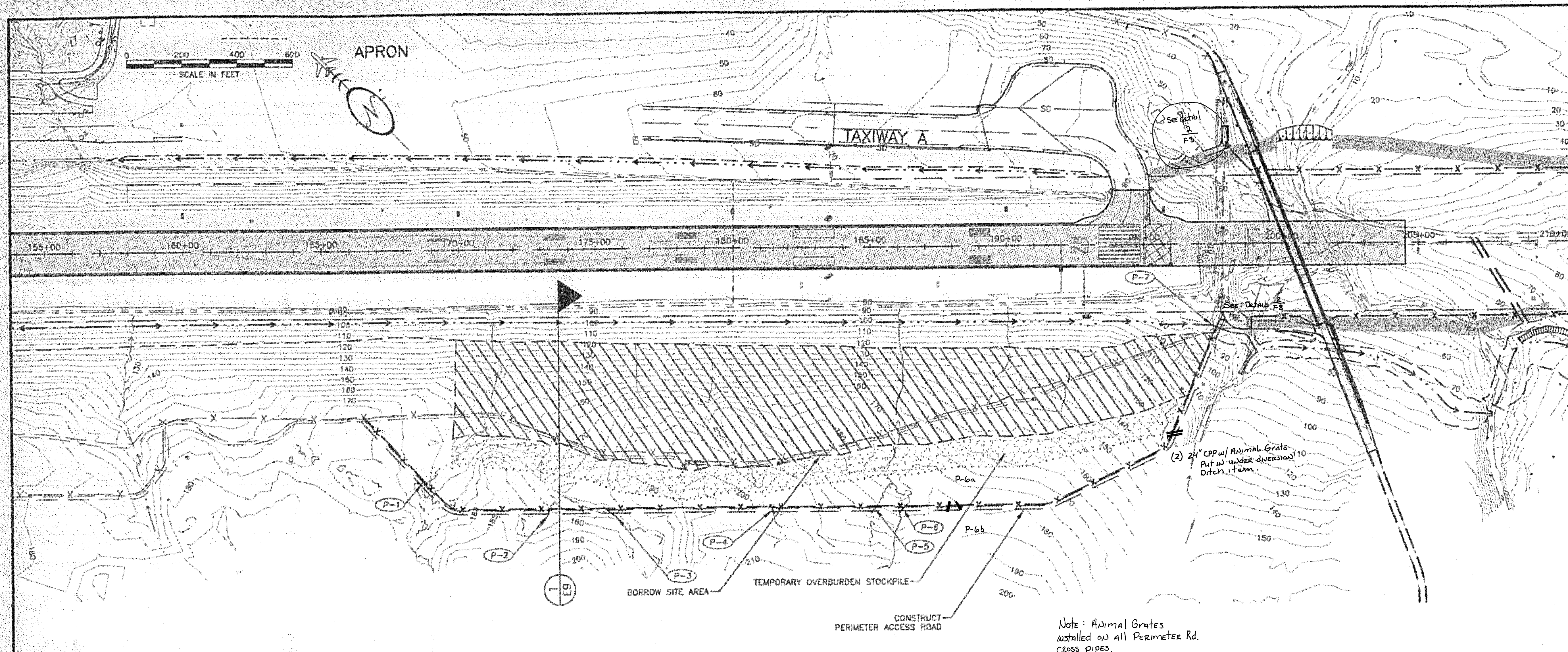
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

**NORTH TRIBUTARY
PLAN & PROFILE**

PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
E8	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



1 BORROW SITE TYPICAL SECTION
N.T.S. APPROXIMATE R/W STA. 178+00 TO STA. 197+00
176+50

- NOTES:**
1. CONSTRUCT NEW PERIMETER ROAD SMOOTHLY GRADED AND FREE OF RUTS. LONGITUDINAL GRADE NOT TO EXCEED 25%.
 2. NEW PERIMETER ROAD MUST BE COMPLETE BEFORE INSTALLING NEW FENCE.
 3. EXCAVATE BORROW MATERIAL AS NEEDED FOR PROJECT. THE ENTIRE BORROW SITE MAY NOT REQUIRE DEVELOPMENT TO MEET EMBANKMENT CONSTRUCTION QUANTITIES, THE EXTENT OF THE SITE THAT IS DISTURBED SHALL BE GRADED PER 1/E9. BEGIN BORROW EXCAVATION AT APPROXIMATE R/W STA. 197+00.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\23400\Draws\C\Sheets\E09.dwg
Wed, 04/Oct/06 08:40AM bpaddeck
TAB: E09

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

BORROW SITE PLAN

PREPARED BY: USKH INC.

CHECKED BY: DLM

DESIGNED BY: NCL

DRAWN BY: WJP

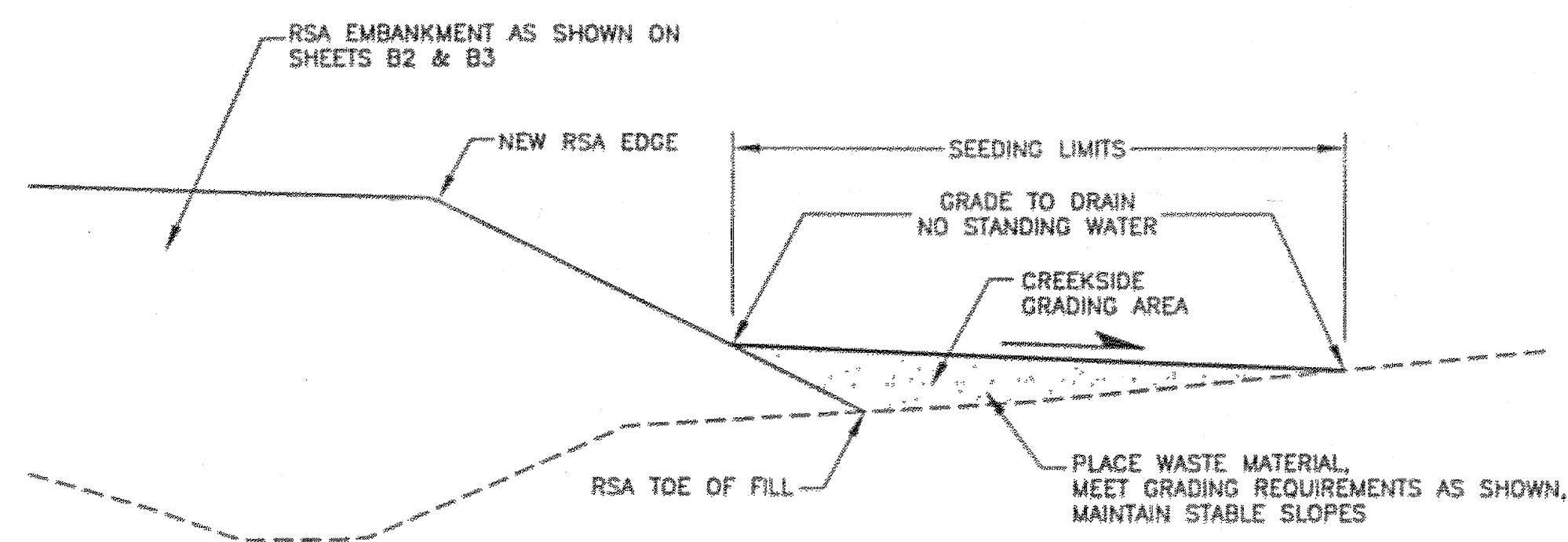
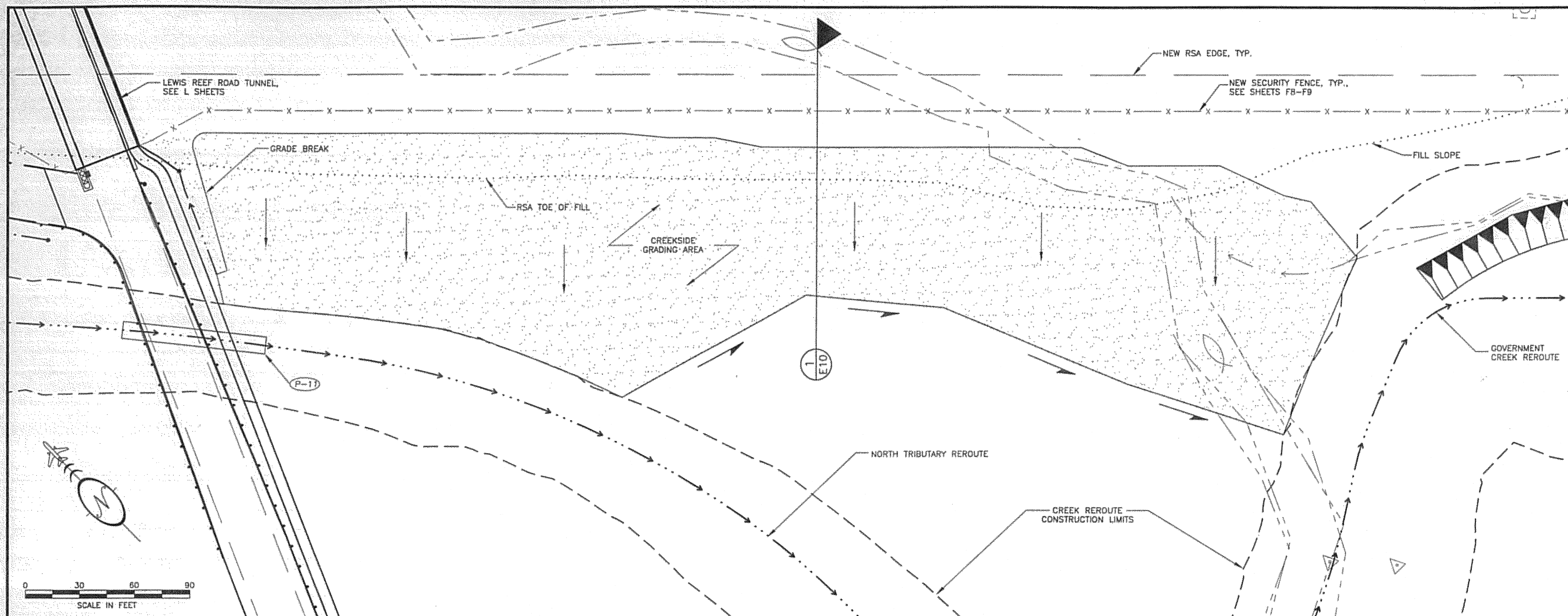
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

BORROW SITE PLAN

PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006

SHEET NUMBER	TOTAL SHEETS
E9	131



1 FILL SECTION
E10 N.T.S.

PATH: H:\B23400\Drawings\C\Sheets\E10.dwg
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TAB: E10

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

CREEKSIDE GRADING PLAN

PREPARED BY: USKH INC.

CHECKED BY: DLM

DESIGNED BY: EJC

DRAWN BY: WJP

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

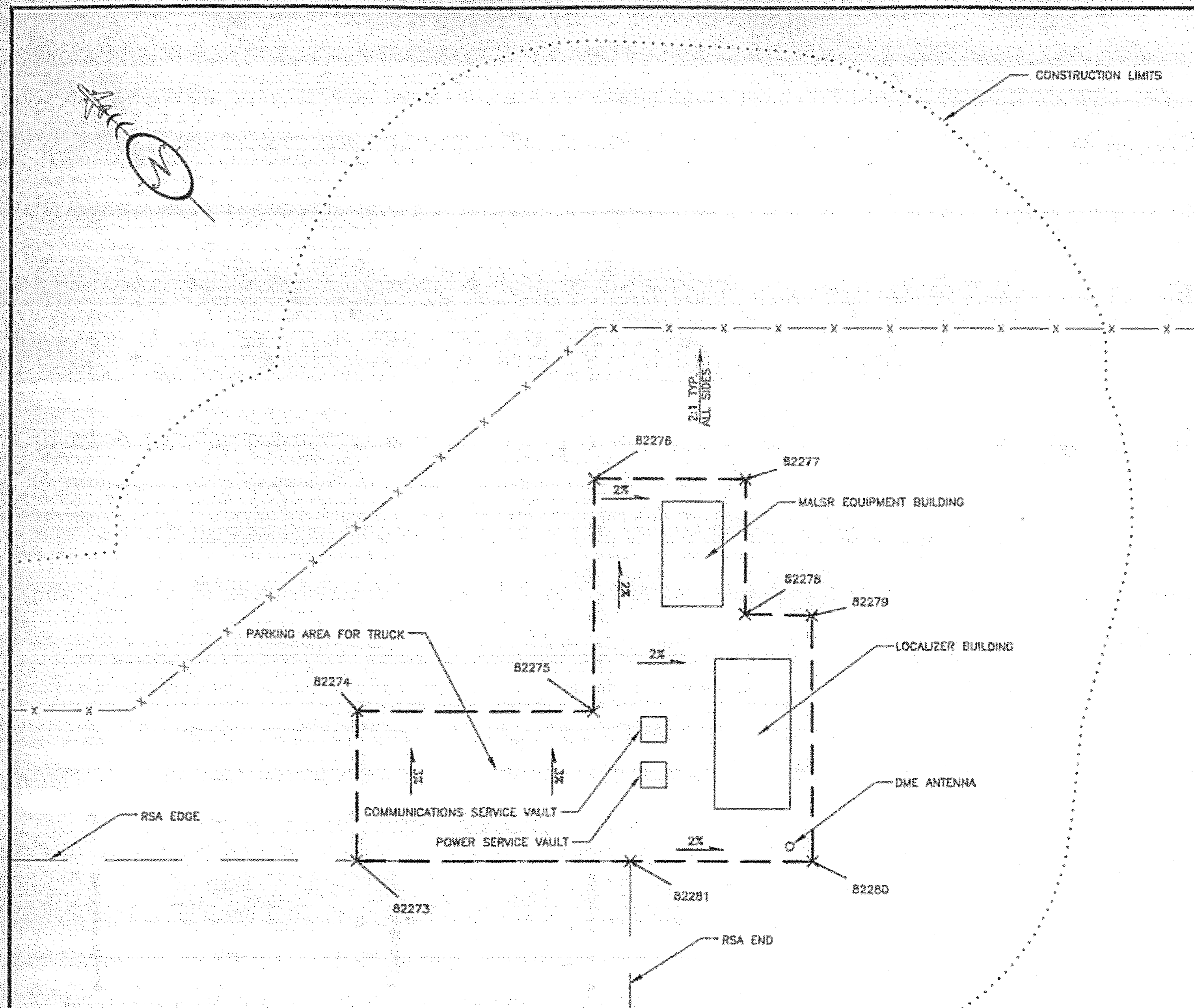
CREEKSIDE GRADING PLAN

PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006

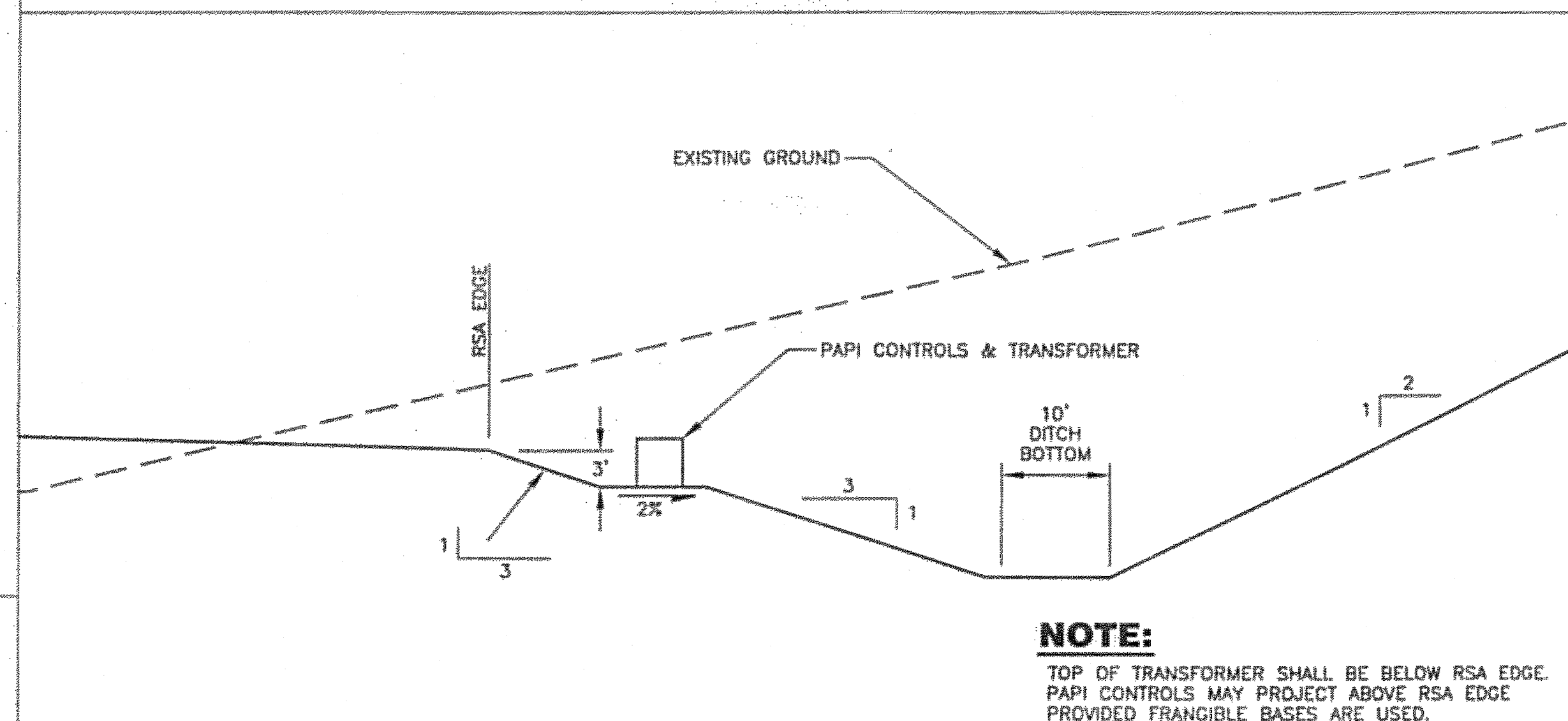
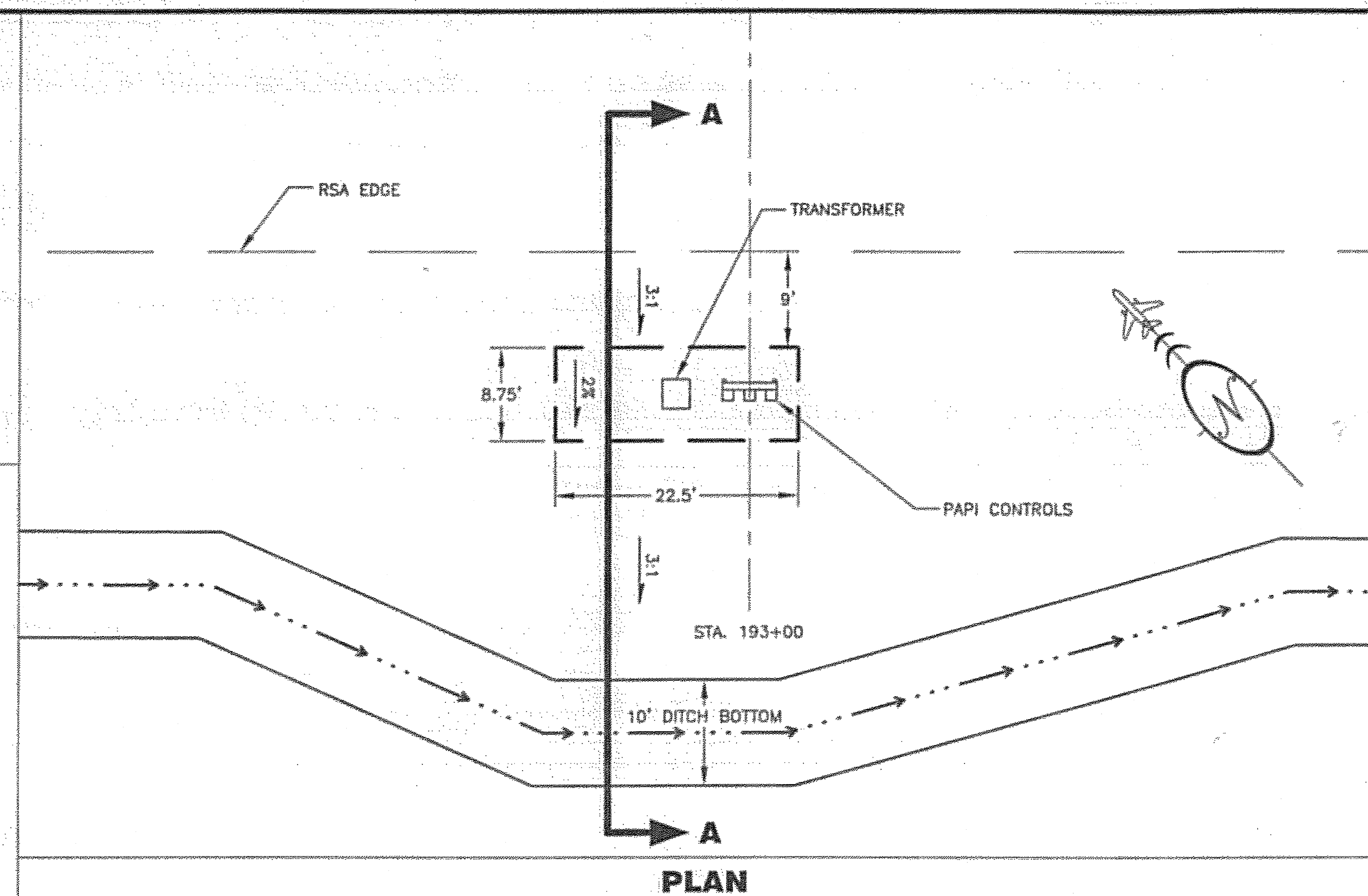
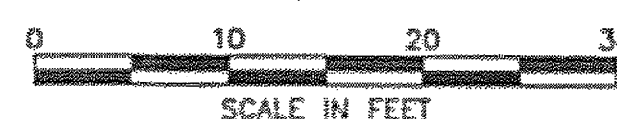
SHEET NUMBER	TOTAL SHEETS
E10	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



SITE GRADING DATA			
POINT NUMBER	STATION	OFFSET	ELEVATION
82273	212+14	250.00' LT.	66.14
82274	212+14	270.00' LT.	65.54
82275	212+45	270.00' LT.	64.82
82276	212+45	301.00' LT.	64.20
82277	212+65	301.00' LT.	63.80
82278	212+65	282.99' LT.	64.16
82279	212+74	282.84' LT.	63.98
82280	212+74	250.00' LT.	65.07
82281	212+50	250.00' LT.	65.42

1
E11 PAPI CONTROL PAD
N.T.S.



2
E11 PAPI CONTROL PAD
N.T.S.

PATH:
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ADDENDUM NUMBER

ATTACHMENT NUMBER

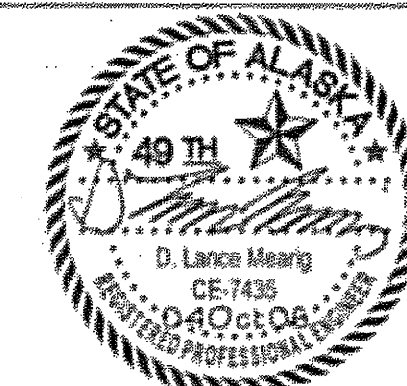
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

PREPARED BY: USKH INC.

CHECKED BY: DLM



DESIGNED BY: EJG

DRAWN BY: WJP

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

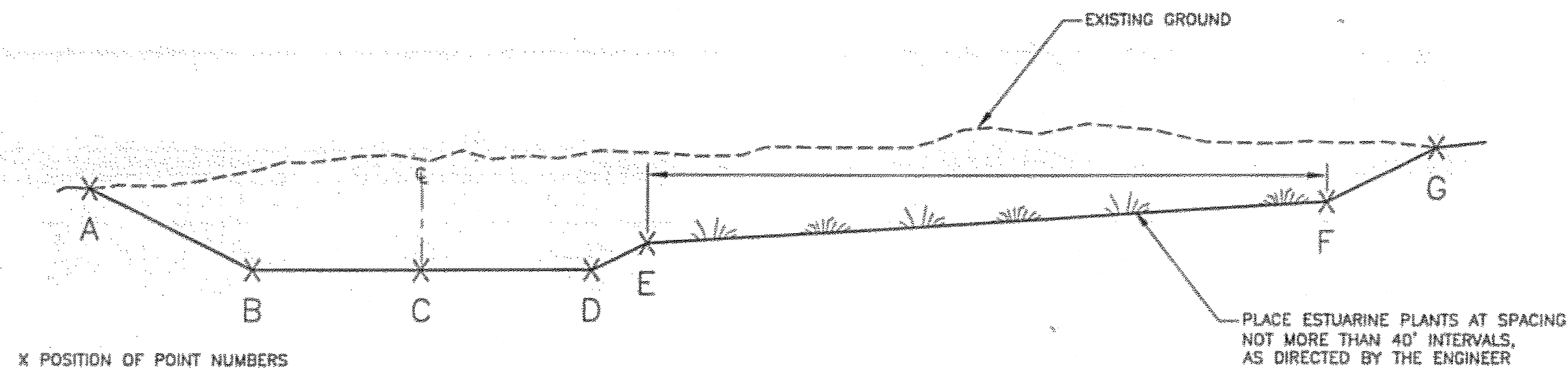
GRADING PLANS

PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
E11	131

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
E12	131



POINT LAYOUT FOR ESTUARY

ESTUARY GRADING POINT TABLE																					
STATION	A			B			C			D			E			F			G		
	PT #	OFFSET	ELEV	PT #	OFFSET	ELEV	PT #	OFFSET	ELEV	PT #	OFFSET	ELEV	PT #	OFFSET	ELEV	PT #	OFFSET	ELEV	PT #	OFFSET	ELEV
15+50	96542	52.1	39.7	96447	12.5	16.3	96440	0	16.3	96443	12.5	16.3	96444	15.5	17.8	96546	40.4	20.0	96545	80.8	40.2
16+00	96456	53.5	36.2	96455	12.5	15.6	96449	0	15.6	96450	12.5	15.6	96451	15.5	17.1	96452	82.4	20.0	96453	115.9	36.7
16+50	96474	49.5	33.5	96473	12.5	15.0	96457	0	15.0	96458	12.5	15.0	96459	15.5	16.5	96460	93.3	20.0	96461	118.3	36.5
17+00	96476	36.2	26.1	96475	12.5	14.3	96462	0	14.3	96463	12.5	14.3	96464	15.5	15.8	96465	104.1	20.0	-	-	-
17+50	96478	21.8	18.3	96477	12.5	13.6	96467	0	13.6	96468	12.5	13.6	96469	15.5	15.1	96470	114.9	20.0	-	-	-
18+00	96480	19.5	16.4	96479	12.5	12.9	96472	0	12.9	96481	12.5	12.9	96482	15.5	14.4	96483	125.8	20.0	-	-	-
18+50	96492	15.3	12.4	96491	12.5	11.0	96485	0	11.0	96486	12.5	11.0	96487	14.7	M.E.	96489	156.7	20.0	96490	179.1	31.2
19+00	-	-	-	96494	4.79	8.5	96493	0	8.5	96495	12.5	8.5	96496	24.2	10.0	96497	189.2	20.0	96498	213.7	32.2
19+50	96502	18.4	7.6	96501	12.5	6.1	96500	0	6.1	96503	12.5	6.1	96504	43.8	10.0	96505	208.8	20.0	96506	226.8	29.0
20+00	96510	14.8	5.4	96509	12.5	4.9	96508	0	4.9	96511	12.5	4.9	96512	13.3	M.E.	96514	229.4	20.0	96515	231.8	21.2
20+50	96520	19.2	5.4	96519	12.5	3.8	96516	0	3.8	96517	12.5	3.8	96518	21.8	4.9	-	-	-	-	-	-
21+00	96525	15.7	3.5	96524	12.5	2.7	96521	0	2.7	96522	12.5	2.7	96523	17.3	3.3	-	-	-	-	-	-
21+50	96530	15.3	2.4	96529	12.5	1.7	96526	0	1.7	96527	12.5	1.7	96528	17.0	2.2	-	-	-	-	-	-
22+00	96535	18.2	2.4	96534	12.5	1.0	96531	0	1.0	96532	12.5	1.0	96533	27.3	2.8	-	-	-	-	-	-
22+50	96540	21.5	2.5	96539	12.5	0.3	96536	0	0.3	96537	12.5	0.3	96538	32.6	2.8	-	-	-	-	-	-

PT# = POINT NUMBER
M.E. = MATCH EXISTING

NOTES:

- SHEET E14 FOR POINT LOCATIONS.
- POINT INFORMATION IS PROVIDED AT THE CENTERLINE AND AT THE GRADE BREAKS.

GENERAL LAYOUT OF POINT INFORMATION FOR ESTUARY

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TAB: E15

ADDENDUM NUMBER

ATTACHMENT NUMBER

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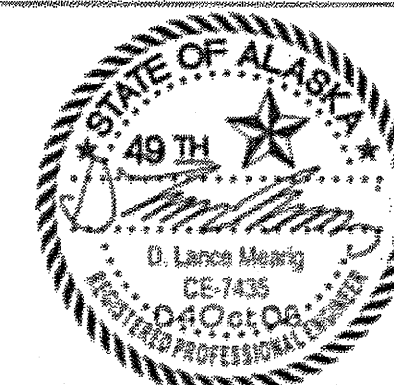
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

ESTUARY GRADING PLANS

PREPARED BY: USKH INC.

CHECKED BY: DLM



DESIGNED BY: EJC

DRAWN BY: JRH

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

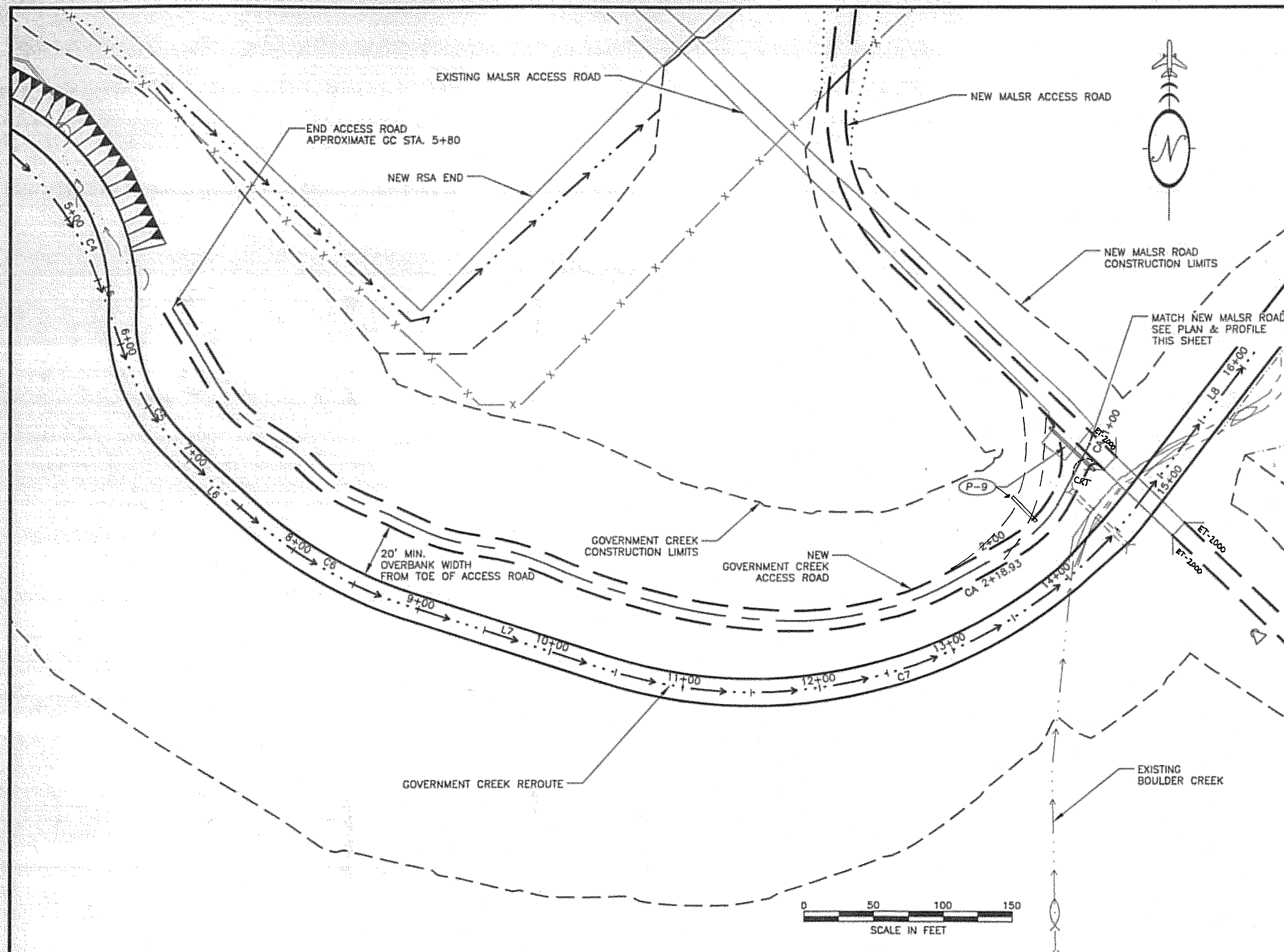
ESTUARY
GRADING PLANS

PROJECT DESIGNATION

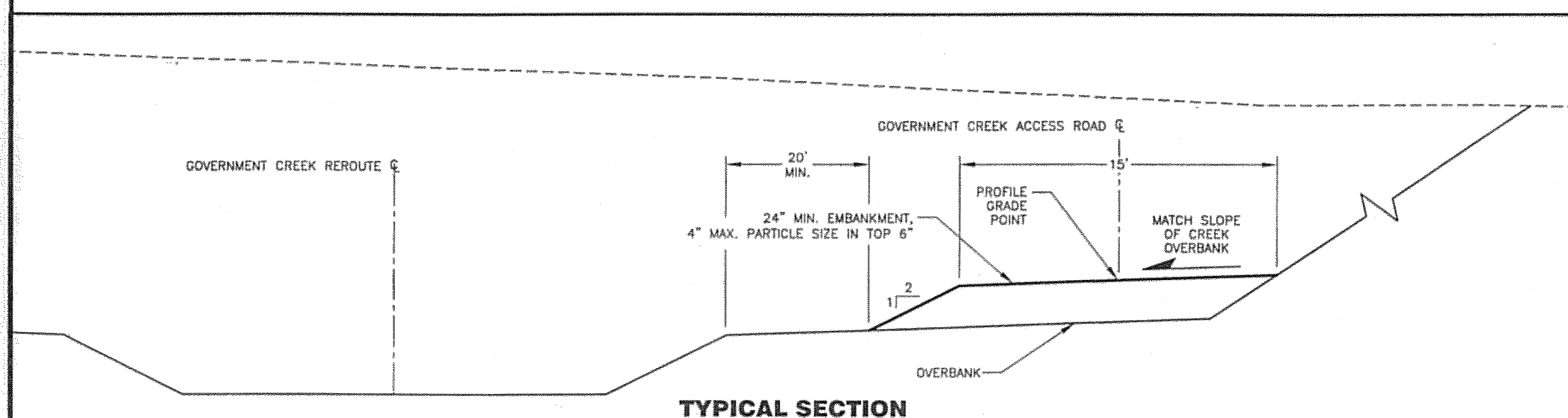
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
E15	131

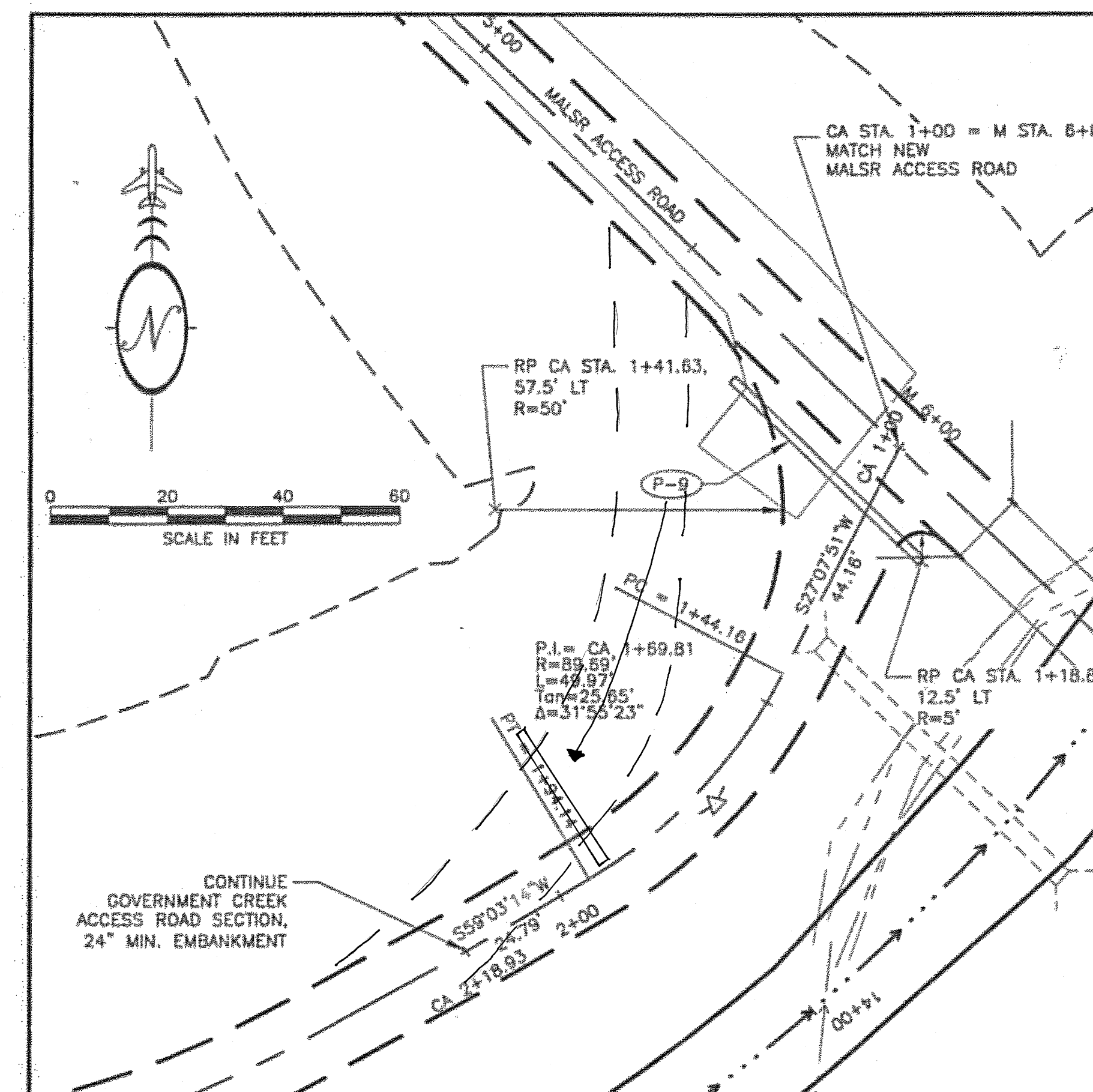
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN



TYPICAL SECTION



PLAN & PROFILE

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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
KETCHIKAN AIRPORT RUNWAY SAFETY AREA EXPANSION & RUNWAY OVERLAY PROJECT NO. 68306		
GOVERNMENT CREEK ACCESS ROAD PLAN & PROFILE		
PREPARED BY: USKH INC.		
CHECKED BY: DLM		
DESIGNED BY: EJC		
DRAWN BY: WJP		
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES DESIGN & ENGINEERING SERVICES DIVISION-SOUTHEAST REGION		
GOVERNMENT CREEK ACCESS ROAD PLAN & PROFILE		
PROJECT DESIGNATION		
AIP NO. 3-02-0144-1606		
STATE	YEAR	
ALASKA	2006	
SHEET NUMBER	TOTAL SHEETS	
E16	131	

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

GOVERNMENT CREEK PERMIT BOUNDARY LIMITS				
STATION	OFFSET (FT.)		NORTHING	EASTING
1+00	LEFT	55.43	88566.8346	95539.4594
	RIGHT	37.01	88478.9745	95568.1921
1+50	LEFT	42.78	88570.3969	95586.5690
	RIGHT	73.95	88463.4009	95633.2332
2+00	LEFT	46.64	88594.0347	95623.3781
	RIGHT	78.33	88487.7656	95689.1358
2+50	LEFT	42.96	88618.2797	95666.2424
	RIGHT	68.95	88524.1681	95726.7994
3+00	LEFT	44.55	88644.7664	95716.1433
	RIGHT	147.59	88469.3989	95794.6636
3+50	LEFT	76.46	88684.6860	95804.7353
	RIGHT	84.26	88530.9689	95757.7367
4+00	LEFT	80.74	88639.9118	95877.5468
	RIGHT	84.85	88478.1187	95789.1757
4+50	LEFT	102.39	88619.5165	95930.0694
	RIGHT	97.22	88478.1187	95789.1757
5+00	LEFT	104.02	88563.7510	95976.8709
	RIGHT	100.80	88454.0978	95803.8843
5+50	LEFT	112.41	88500.9943	96016.7686
	RIGHT	109.24	88426.5033	95808.0043
6+00	LEFT	129.13	88458.9423	96049.2997
	RIGHT	118.94	88376.5522	95815.3137
6+50	LEFT	136.71	88439.3776	96065.4527
	RIGHT	150.60	88294.2479	95817.4852
7+00	LEFT	136.95	88427.0251	96075.2279
	RIGHT	179.55	88204.5400	95850.1133
7+50	LEFT	134.52	88394.8050	96106.0833
	RIGHT	181.94	88163.5657	95890.0360
8+00	LEFT	145.02	88384.6068	96135.2927
	RIGHT	173.33	88122.3140	95954.8781
8+50	LEFT	151.35	88376.4342	96161.9682
	RIGHT	175.70	88081.7553	96020.1051
9+00	LEFT	153.29	88367.4526	96190.7122
	RIGHT	192.41	88039.0512	96082.7240
9+50	LEFT	156.92	88355.2819	96239.3440
	RIGHT	181.39	88033.9032	96133.6650
10+00	LEFT	157.52	88340.2408	96287.0319
	RIGHT	180.01	88019.6018	96181.5961
10+50	LEFT	147.56	88316.5902	96327.3491
	RIGHT	172.34	88009.9047	96236.3397
11+00	LEFT	147.86	88310.6618	96355.6091
	RIGHT	163.61	88002.4822	96310.4130
11+50	LEFT	141.41	88302.0745	96384.3643
	RIGHT	156.55	88004.1170	96383.5420
12+00	LEFT	131.96	88294.7534	96415.3874
	RIGHT	136.60	88028.8310	96452.8881
12+50	LEFT	123.62	88293.2865	96448.1427
	RIGHT	126.19	88053.4040	96517.8900
13+00	LEFT	112.27	88294.1560	96483.1381
	RIGHT	97.58	88103.0512	96569.8159
13+50	LEFT	110.87	88308.9946	96513.8232
	RIGHT	105.23	88127.0753	96630.0863
14+00	LEFT	102.97	88323.5694	96546.2474
	RIGHT	105.2	88165.9094	96682.1796

NORTH TRIBUTARY PERMIT BOUNDARY LIMITS				
STATION	OFFSET (FT.)		NORTHING	EASTING
1+00	LEFT	10.76	89254.9096	94975.2483
	RIGHT	7.28	89237.7225	94980.7252
1+25	LEFT	8.64	89260.4762	94999.7131
	RIGHT	27.06	89226.4653	95010.5512
1+50	LEFT	6.77	89260.4762	94999.7131
	RIGHT	25.48	89226.4653	95010.5512
2+00	LEFT	20.99	89281.7915	95079.5421
	RIGHT	31.50	89230.1237	95070.3071
2+50	LEFT	27.17	89265.0026	95137.0481
	RIGHT	37.31	89211.5506	95100.9845
3+00	LEFT	26.18	89226.0529	95177.1859
	RIGHT	41.54	89179.8323	95127.6838
3+50	LEFT	27.86	89190.6508	95212.5341
	RIGHT	44.01	89141.6058	95160.0069
4+00	LEFT	28.26	89154.1940	95247.0534
	RIGHT	40.81	89107.4259	95196.2297
4+50	LEFT	22.28	89112.4284	95276.4106
	RIGHT	34.53	89075.1334	95233.5512
5+00	LEFT	19.83	89072.2319	95307.2148
	RIGHT	31.29	89039.7552	95267.7294
5+50	LEFT	21.41	89033.7183	95340.0271
	RIGHT	33.75	88999.8710	95296.4632
6+00	LEFT	24.90	88994.0060	95373.3736
	RIGHT	38.49	88958.9505	95320.5648
6+50.08	LEFT	28.77	88953.1794	95402.2776
	RIGHT	34.27	88918.1335	95349.4832
7+00	LEFT	23.95	88900.9804	95421.4501
	RIGHT	33.32	88879.4166	95368.3923
7+50	LEFT	26.18	88852.1852	95440.8578
	RIGHT	37.59	88834.1742	95379.6834
8+00	LEFT	32.22	88802.1452	95459.0958
	RIGHT	46.52	88787.5818	95381.7156
8+50	LEFT	38.99	88750.0178	95473.0489
	RIGHT	47.93	88742.5494	95386.4509
9+00	LEFT	38.20	88696.1876	95474.2075
	RIGHT	50.92	88697.4327	95385.0909
9+50	LEFT	43.53	88646.2376	95476.7654
	RIGHT	58.66	88647.5878	95374.5816
9+75.27	LEFT	46.59	88621.1174	95485.7001
	RIGHT	67.69	88622.6848	95367.0895
10+00	LEFT	46.48	88620.4571	95485.9259
	RIGHT	61.13	88570.0292	95390.8544
10+50	LEFT	56.09	88596.6292	95517.7617
	RIGHT	64.88	88516.6340	95427.0140
10+75	LEFT	45.79	88571.0646	95526.5670
	RIGHT	59.99	88501.1163	95447.2167
11+00	LEFT	30.29	88542.0653	95531.4760
	RIGHT	35.44	88498.5978	95482.1659

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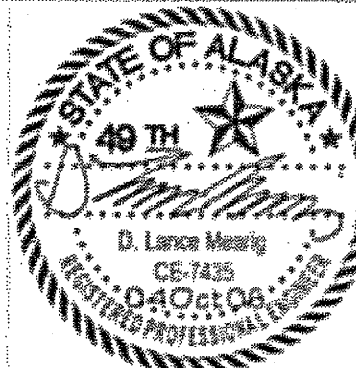
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

PERMIT BOUNDARY LIMITS

PREPARED BY: USKH INC.

CHECKED BY: DLM



DESIGNED BY: SC

DRAWN BY: JRH

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

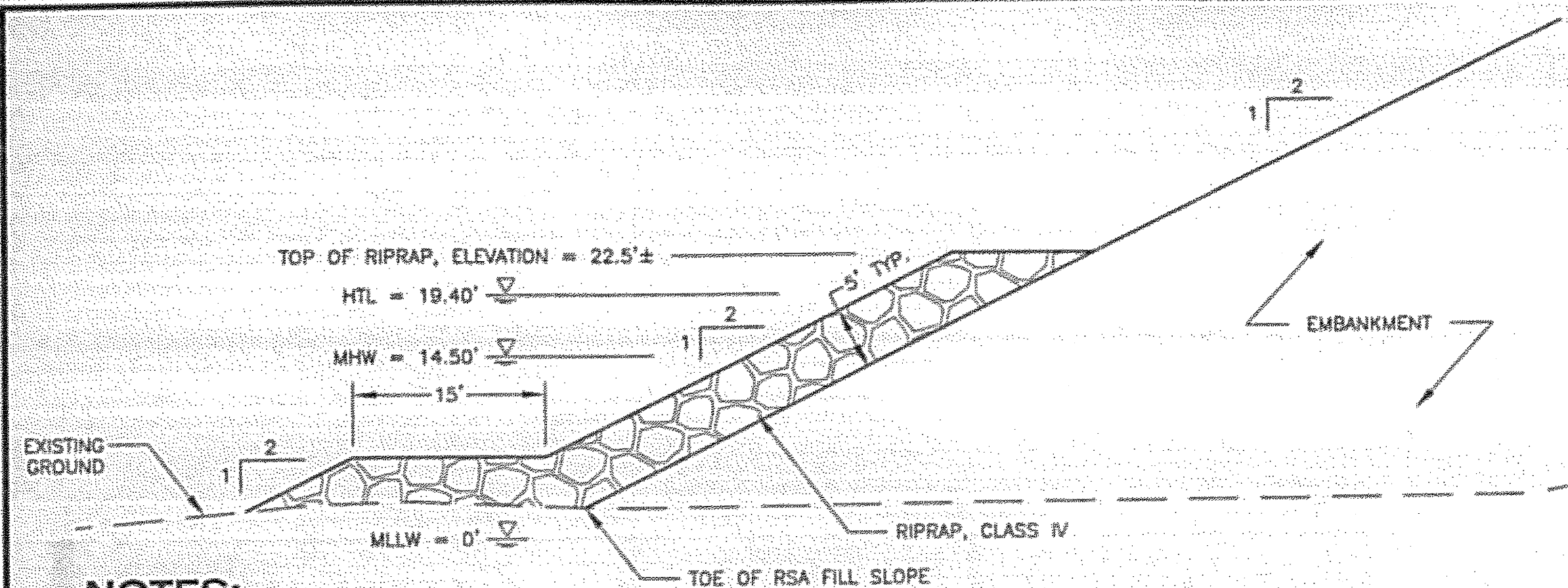
PERMIT BOUNDARY
LIMITS

PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
E17	131

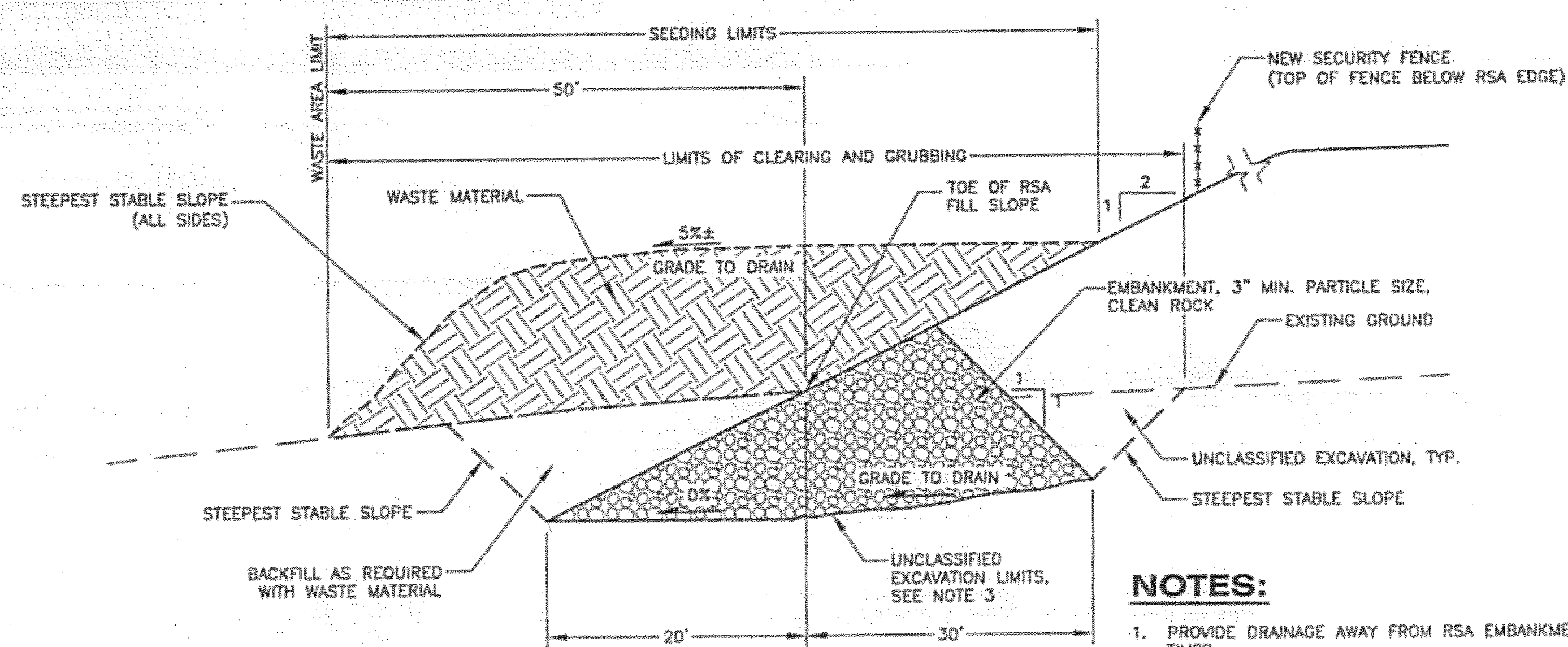
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



NOTES:

1. PLACE RIPRAP AT THE TOE OF SLOPE AS SHOWN. FOR LOCATIONS SEE SHEET E1 AND E4.
2. SALVAGE OF EXISTING RIPRAP WITHIN THE CONSTRUCTION LIMITS IS PERMITTED.
3. ALL WORK IN THE INTERTIDAL ZONE IS SUBJECT TO ENVIRONMENTAL COMMITMENTS. SEE APPENDIX F.

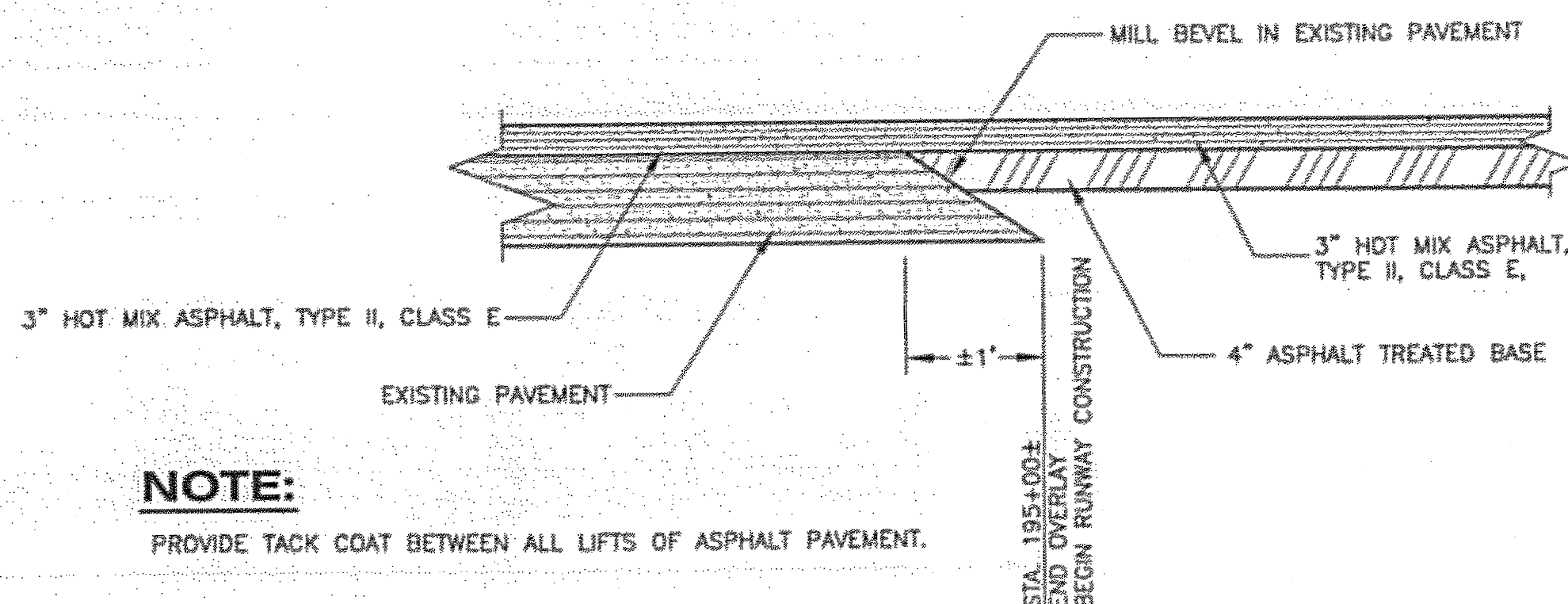
1 RIPRAP DETAIL
F1 N.T.S.



NOTES:

1. PROVIDE DRAINAGE AWAY FROM RSA EMBANKMENT AT ALL TIMES.
2. THE SLOPES OF MATERIAL STOCKPILED IN WASTE AREA SHALL BE STABLE AT ALL TIMES.
3. REMOVE SOFT SOIL DOWN TO DENSE DRY SOIL OR BEDROCK AS DIRECTED BY ENGINEER.
4. DO NOT PLACE WASTE INSIDE (RUNWAY SIDE) OF FENCE.

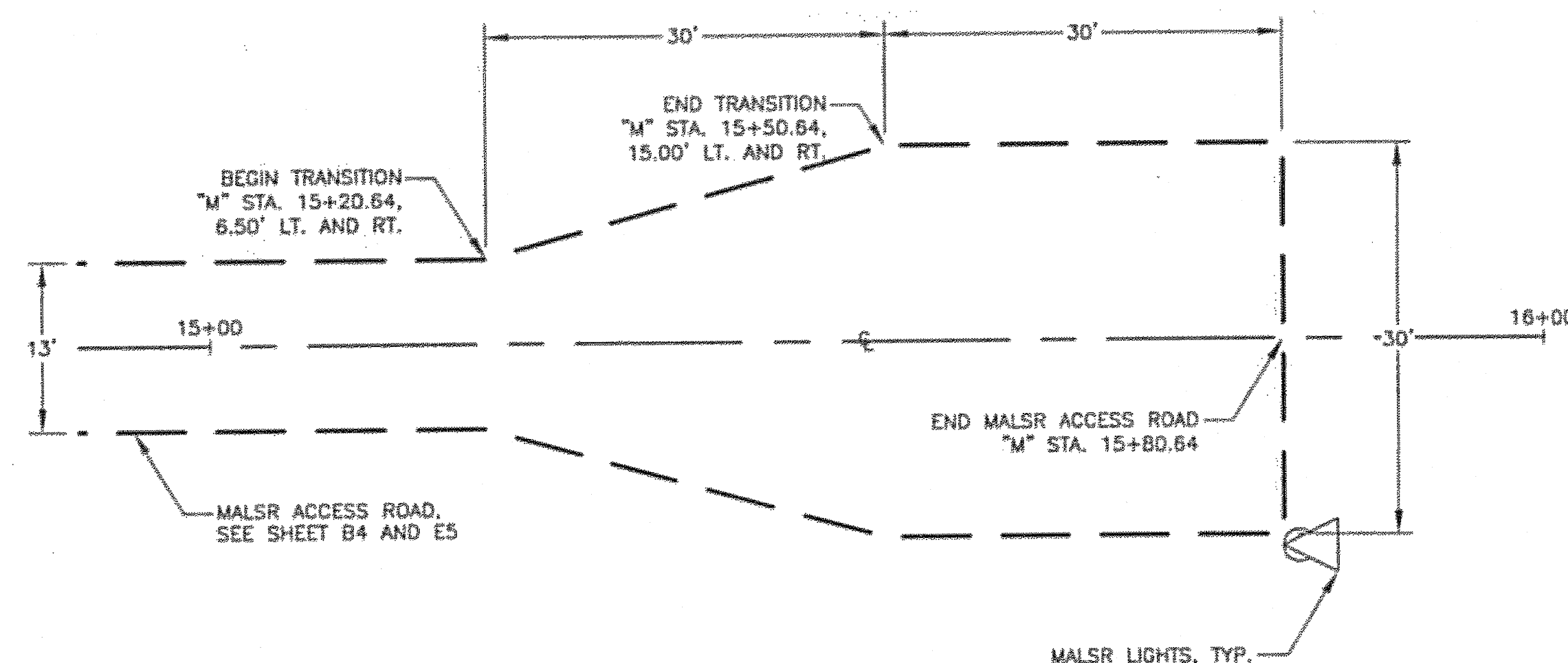
2 ROCK TOE BERM DETAIL
F1 N.T.S.



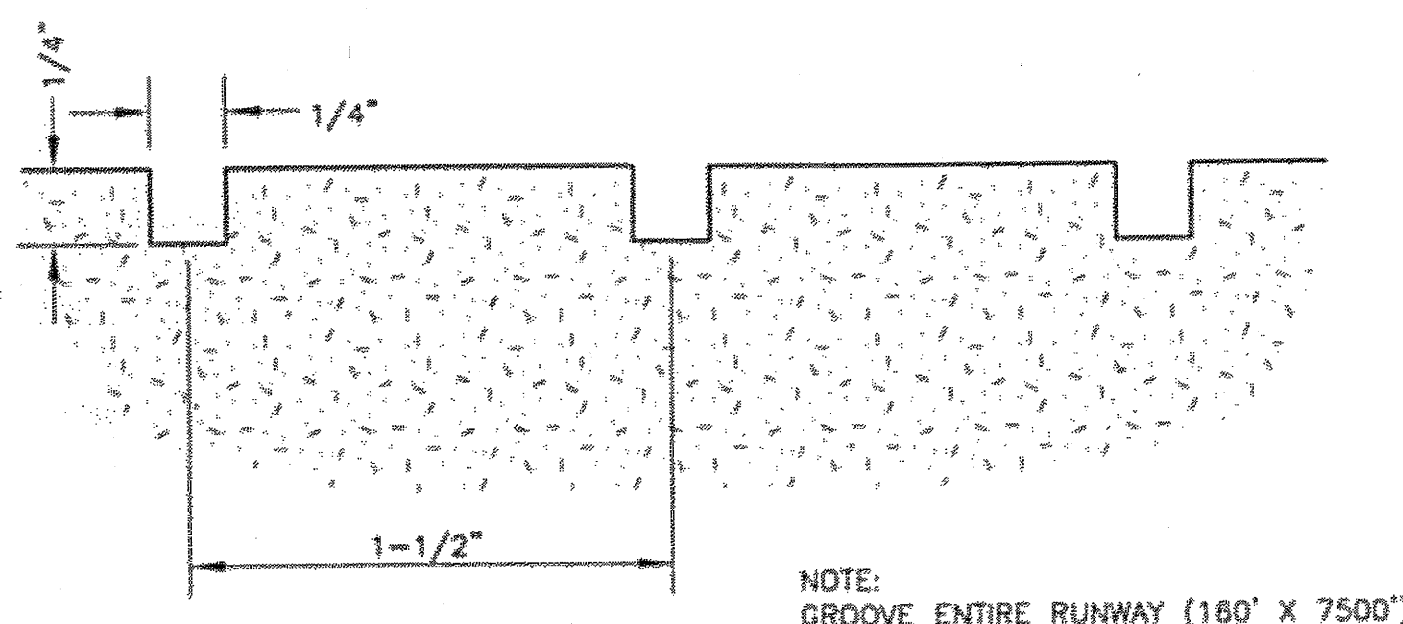
NOTE:

PROVIDE TACK COAT BETWEEN ALL LIFTS OF ASPHALT PAVEMENT.

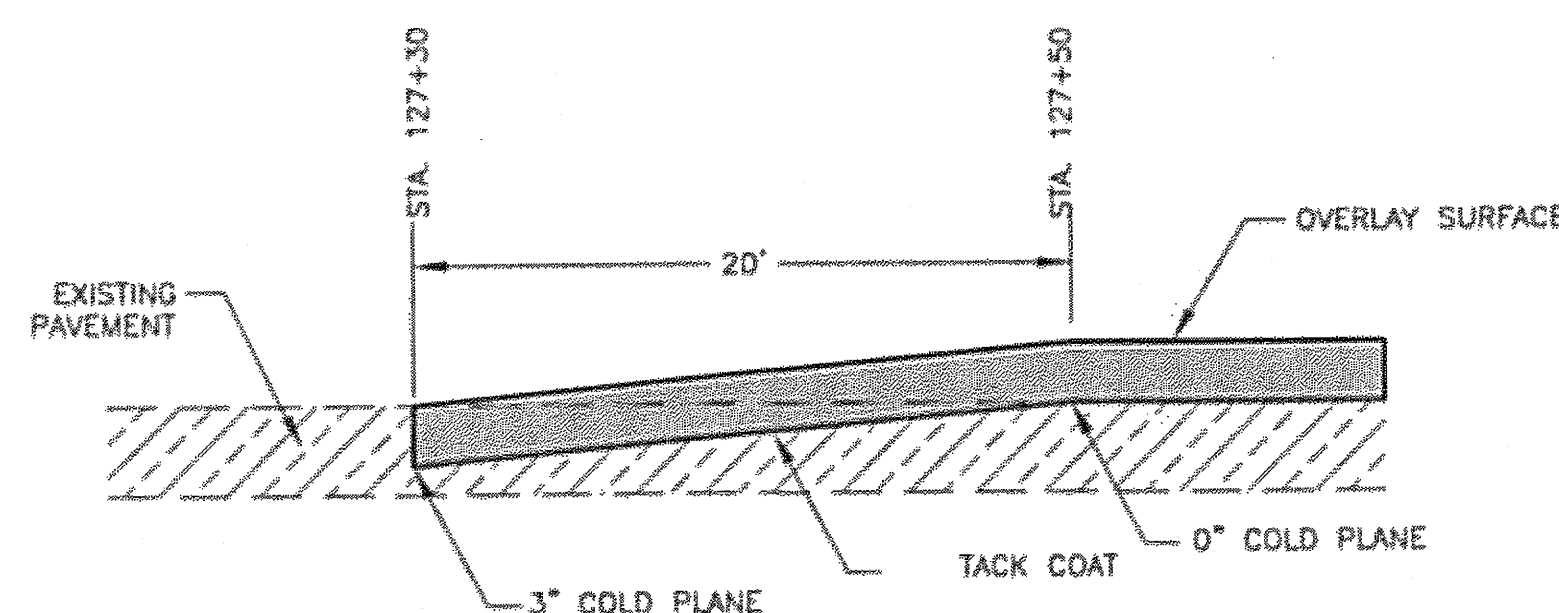
3 RUNWAY 29 PAVEMENT TRANSITION DETAIL
F1 N.T.S.



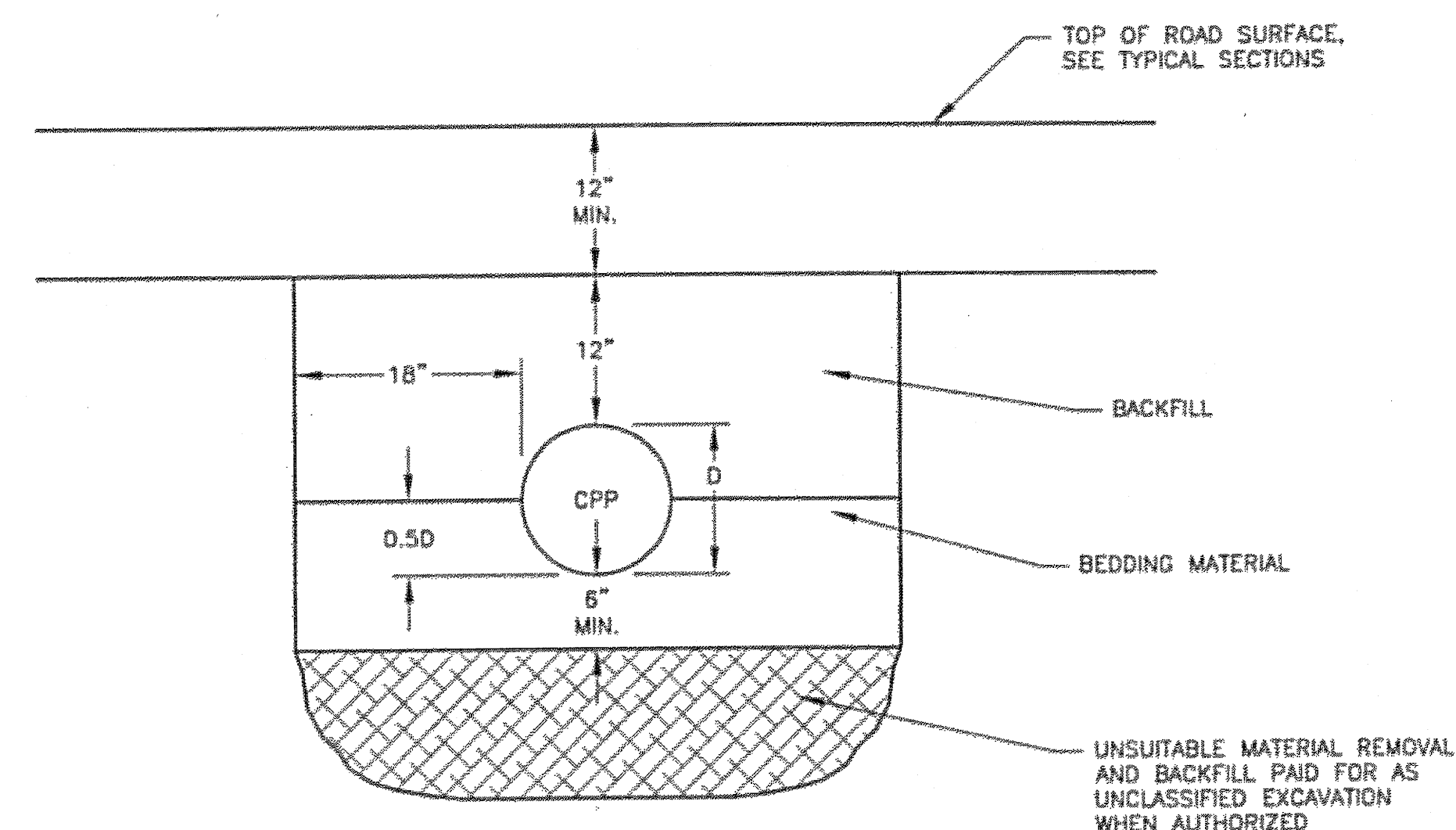
4 MALSR ACCESS ROAD TURNAROUND
F1 N.T.S.



5 PAVEMENT GROOVING DETAIL
F1 N.T.S.



6 RUNWAY 11 PAVEMENT TRANSITION DETAIL
F1 N.T.S.



7 PIPE TRENCHING & BEDDING DETAIL
F1 N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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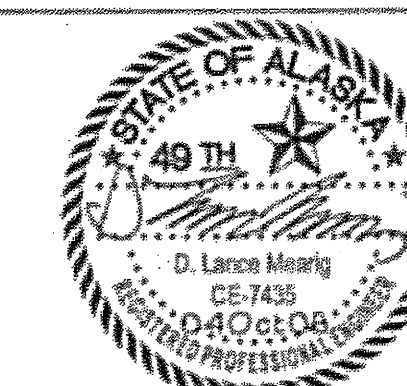
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

MISCELLANEOUS DETAILS

PREPARED BY: USKH INC.

CHECKED BY: DLM



DESIGNED BY: EJC

DRAWN BY: WJP

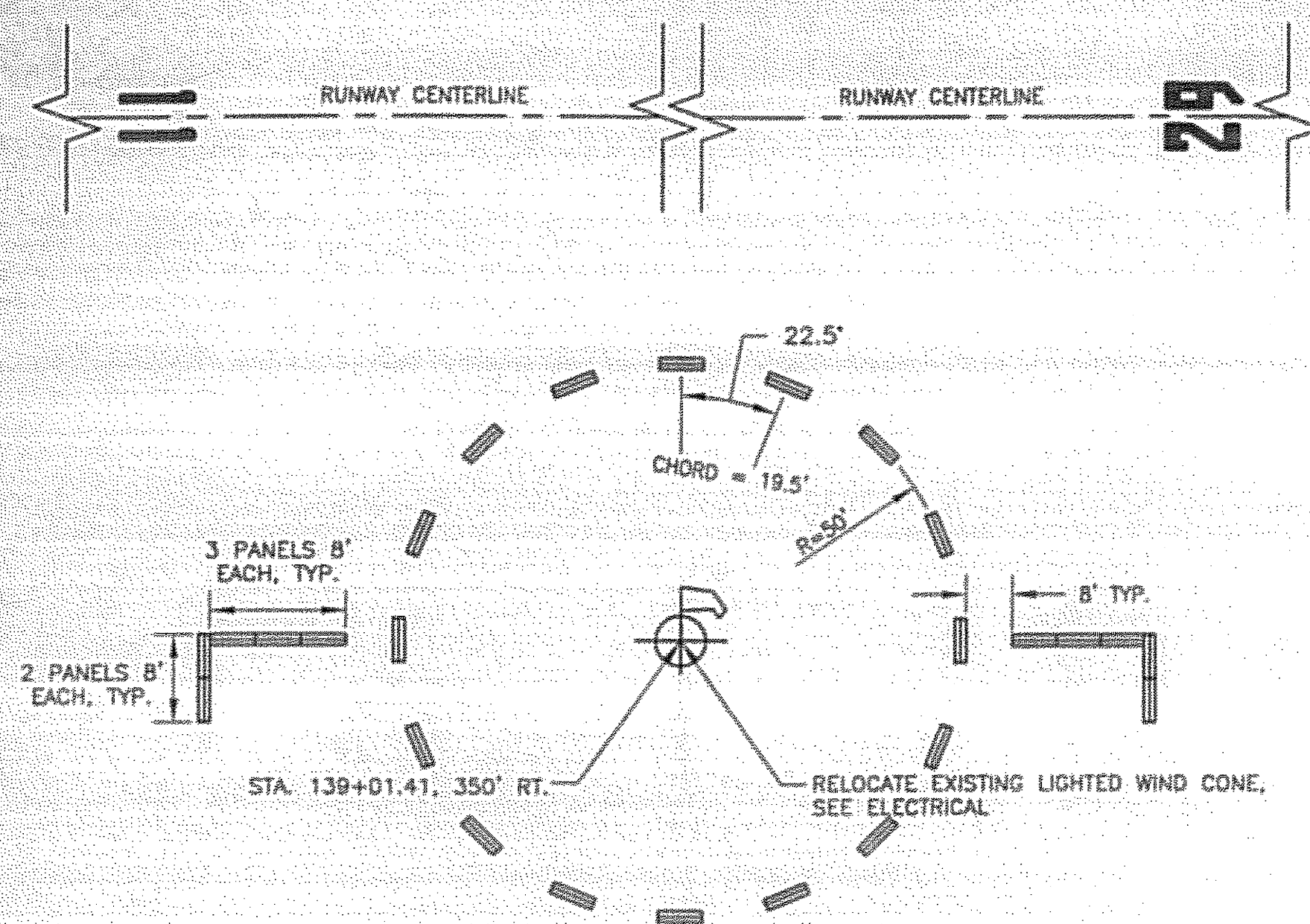
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

**MISCELLANEOUS
DETAILS**

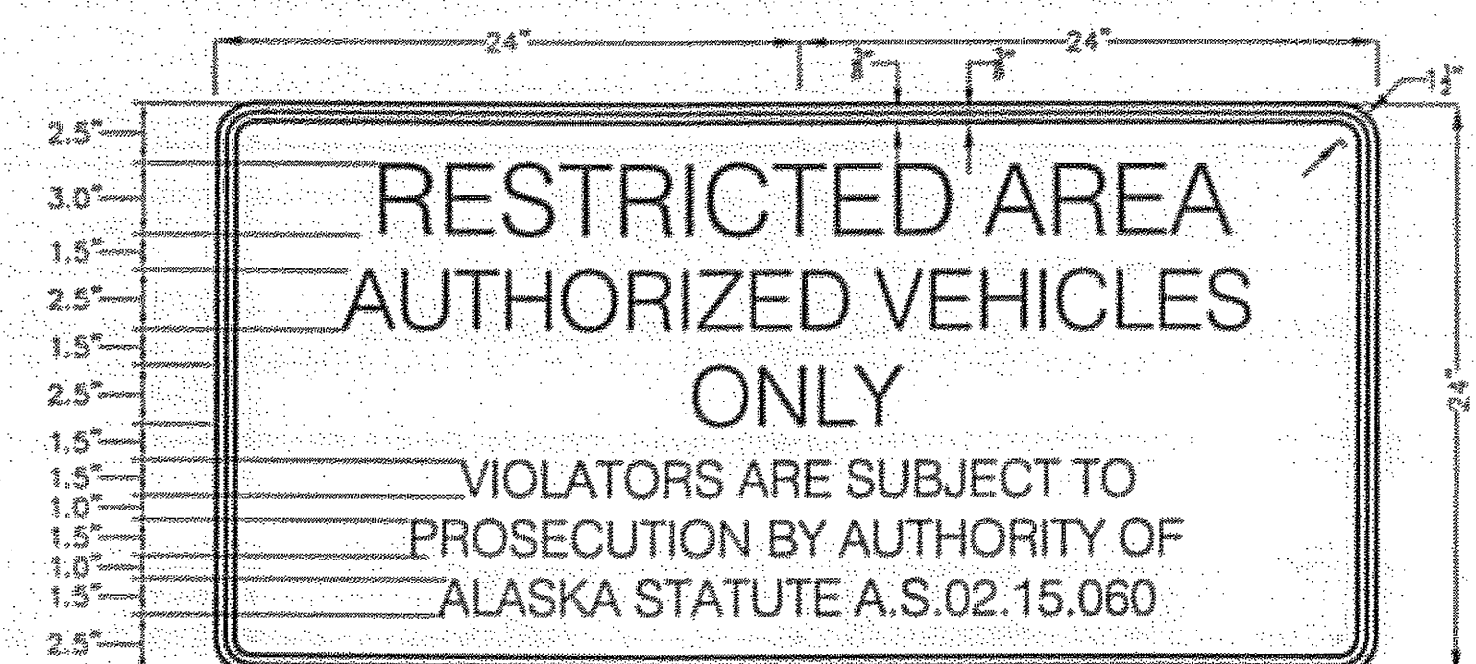
PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

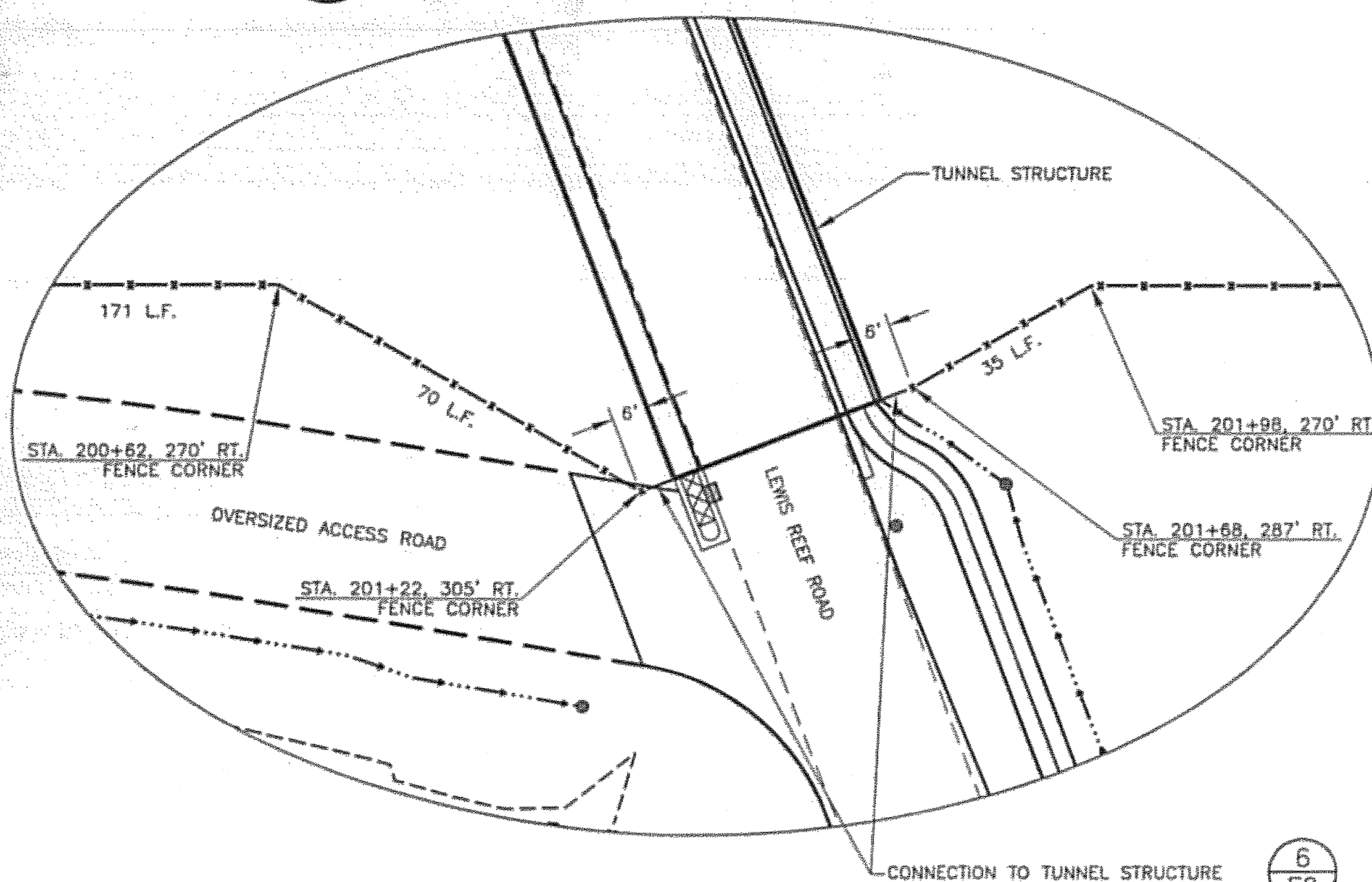
STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
F1	131



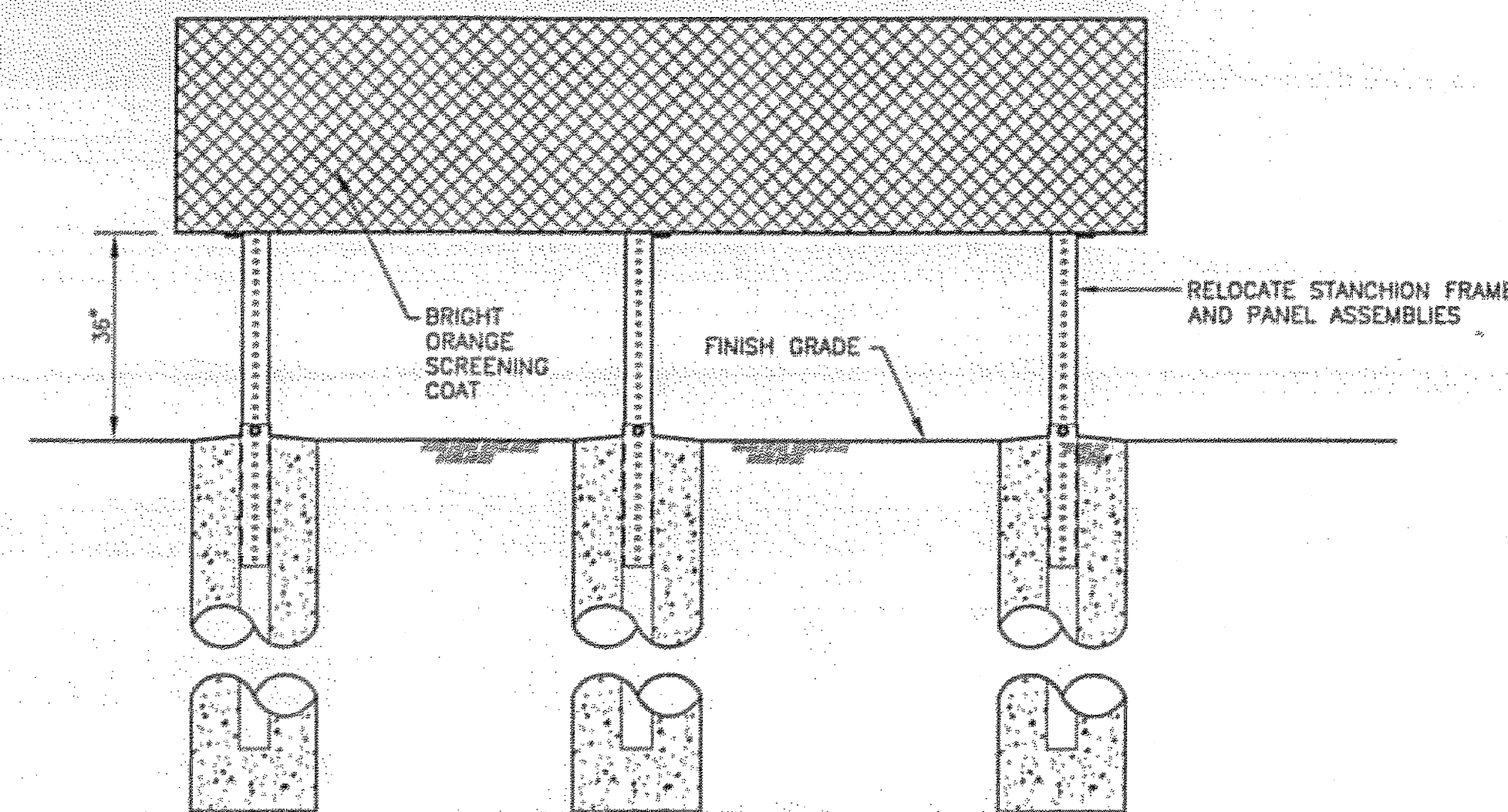
LAYOUT VIEW



2 GATE SIGN
N.T.S.



4 TUNNEL CONNECTION PLAN
SCALE = 1:20



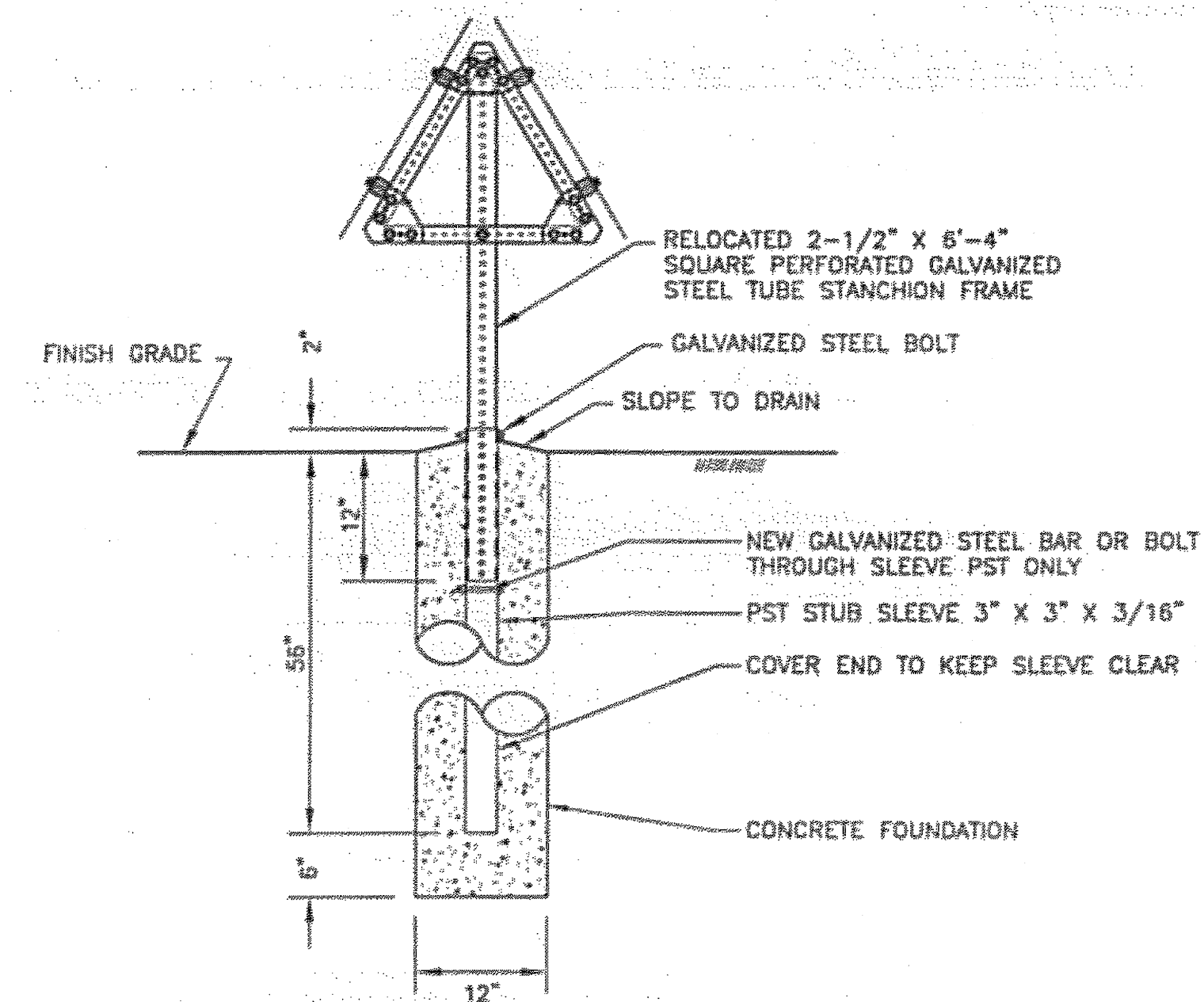
PANEL FRONT VIEW

NOTE: 1. MINIMUM NEAT LINE CONCRETE VOLUME OF 3.5 CUBIC FEET EACH FOOTING

1 SEGMENTED CIRCLE DETAILS
N.T.S.

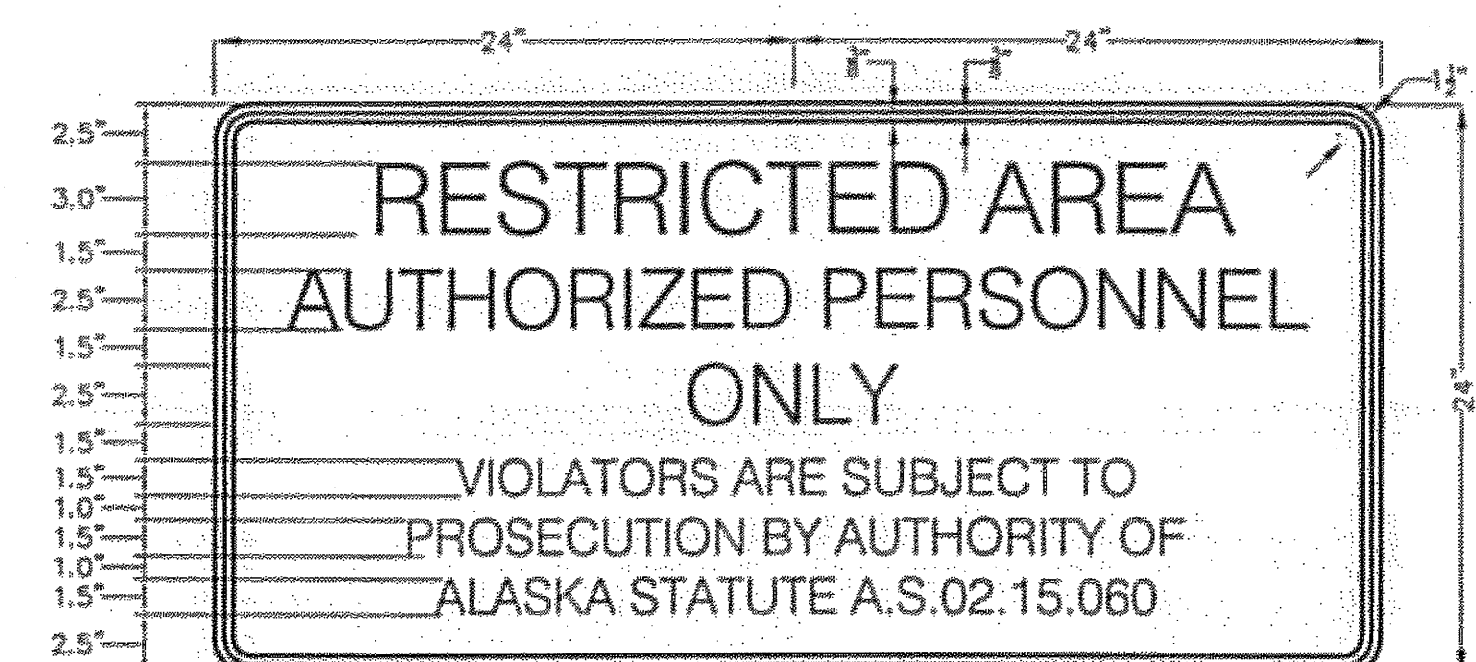
SIGNING NOTES:

1. FABRICATE ALL SIGNS WITH TYPE III-A (HIGH-INTENSITY) REFLECTIVE SHEETING ON ALUMINUM PANELS, MIN. THICKNESS OF 0.125 INCHES.
2. SIGN LOCATIONS ARE APPROXIMATE AND SUBJECT TO ADJUSTMENT BY THE ENGINEER.
3. ALL FENCE AND GATE SIGNING SHALL BE RED REFLECTIVE SHEETING WITH WHITE LETTERING, THEY SHALL BE INSTALLED 4' ABOVE GROUND.
4. SIGNS MAY BE ATTACHED TO THE FENCE WITH 9 GAUGE WIRE.

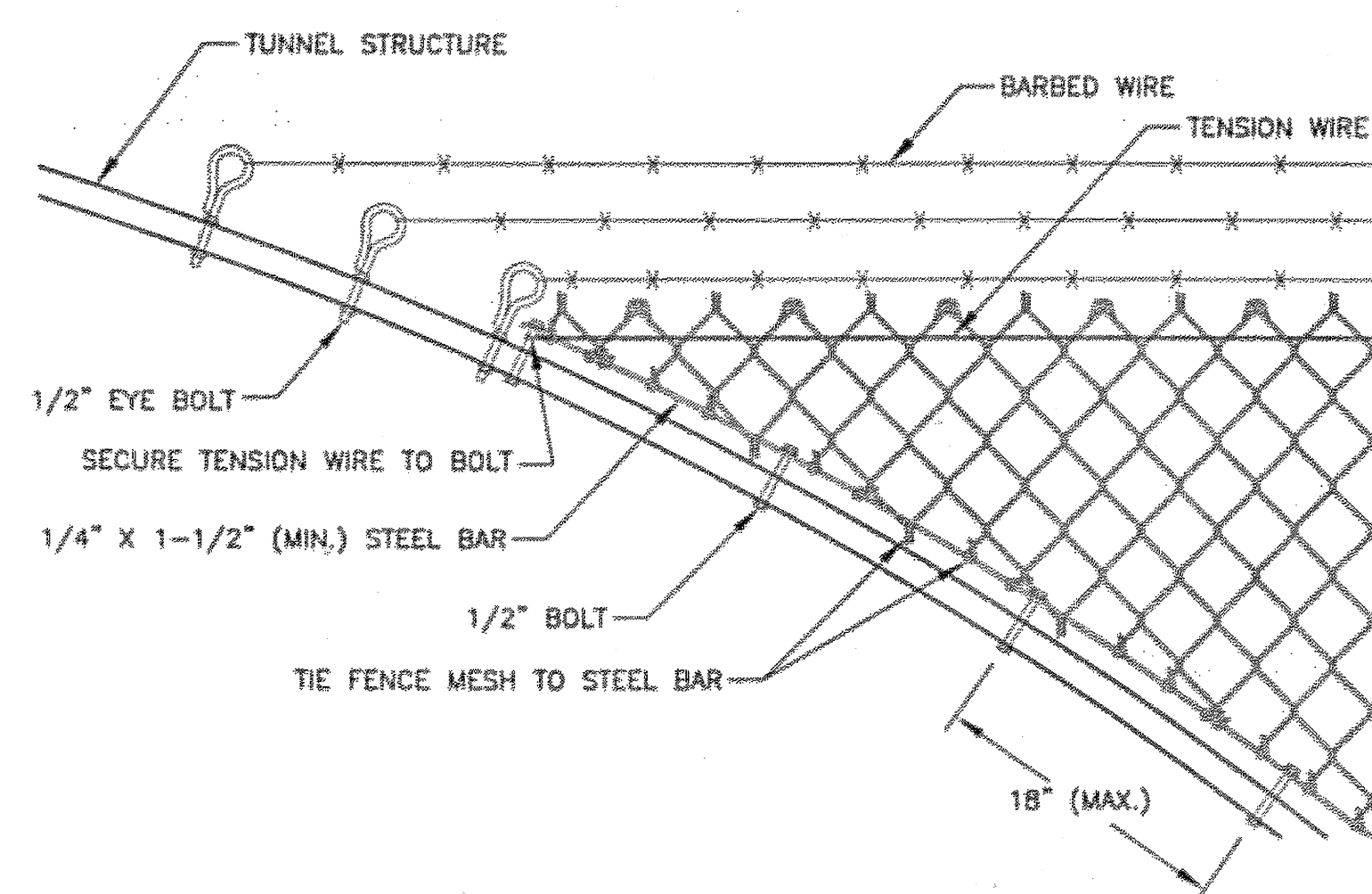


PANEL SIDE VIEW

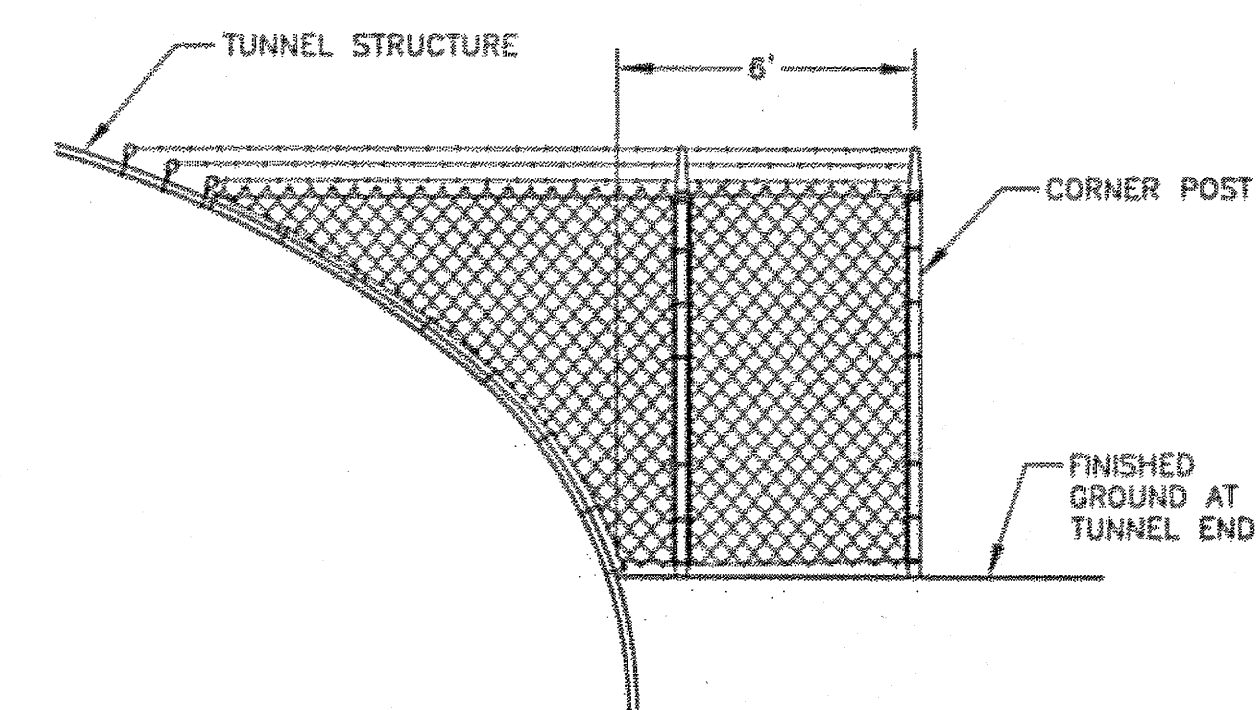
REMOVE EXISTING PANEL ASSEMBLIES & INSTALL IN NEW FOUNDATIONS



3 PERIMETER SIGN
N.T.S.



5 TUNNEL CONNECTION DETAIL
N.T.S.



6 TUNNEL CONNECTION ELEVATION
N.T.S.

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ATTACHMENT NUMBER

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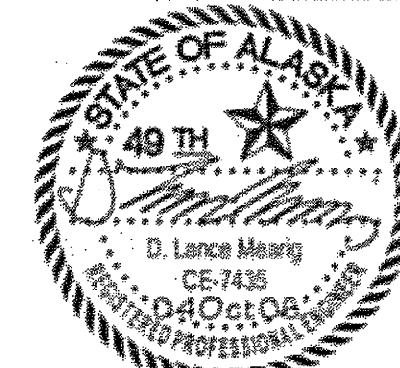
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

MISCELLANEOUS DETAILS

PREPARED BY: USKH INC.

CHECKED BY: DLM



DESIGNED BY: EJC

DRAWN BY: WJP

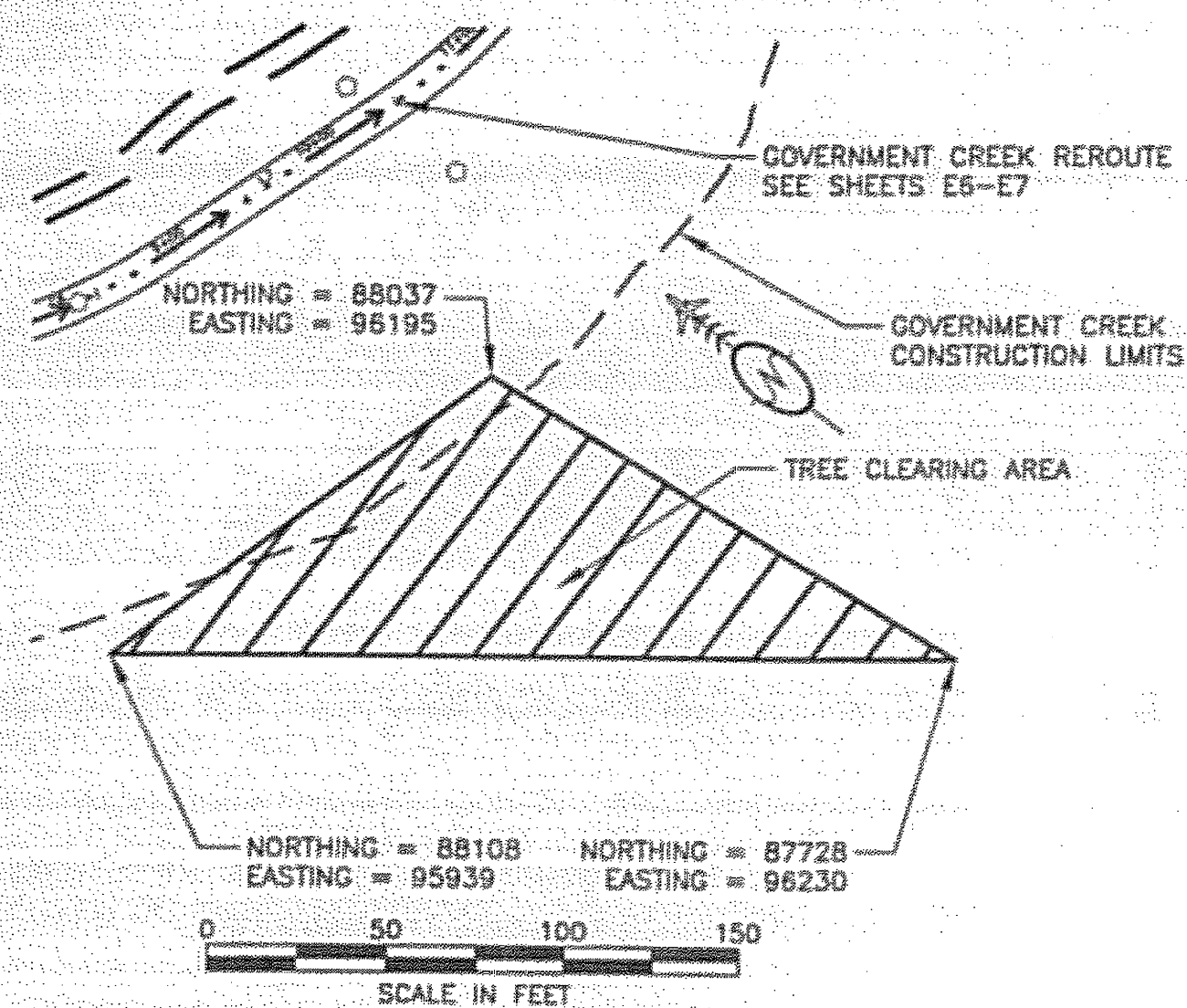
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

MISCELLANEOUS DETAILS

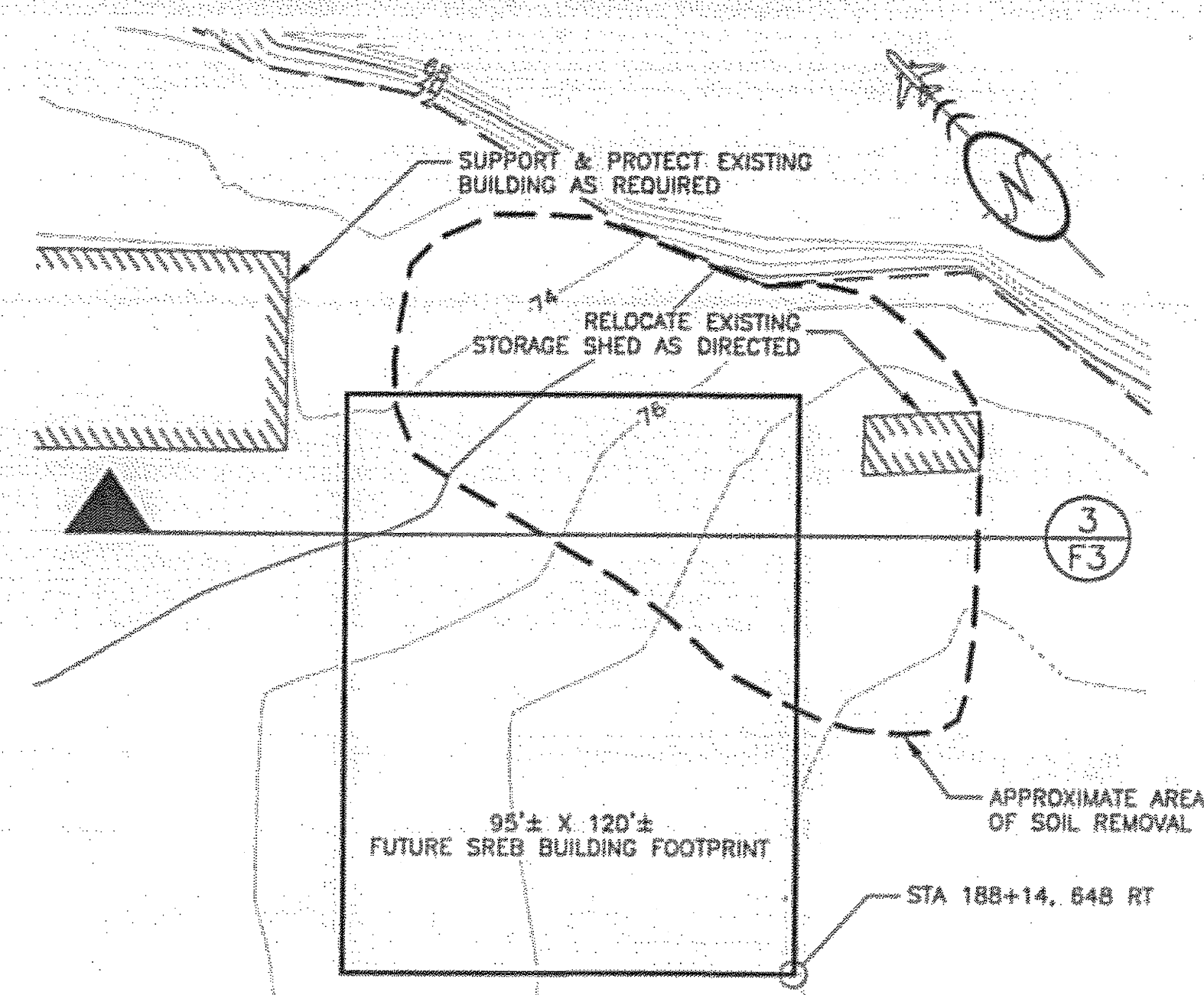
PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
F2	131

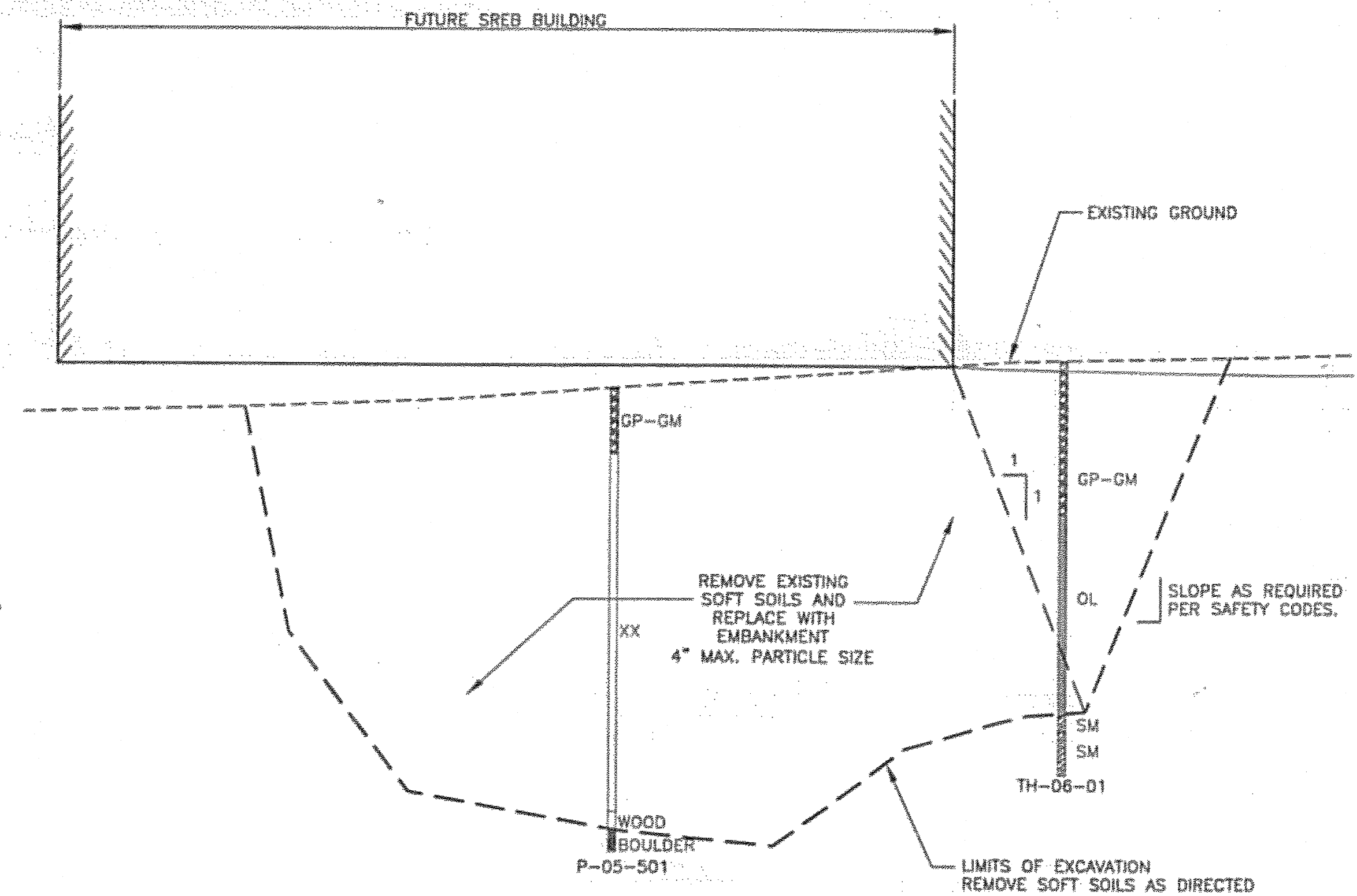
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



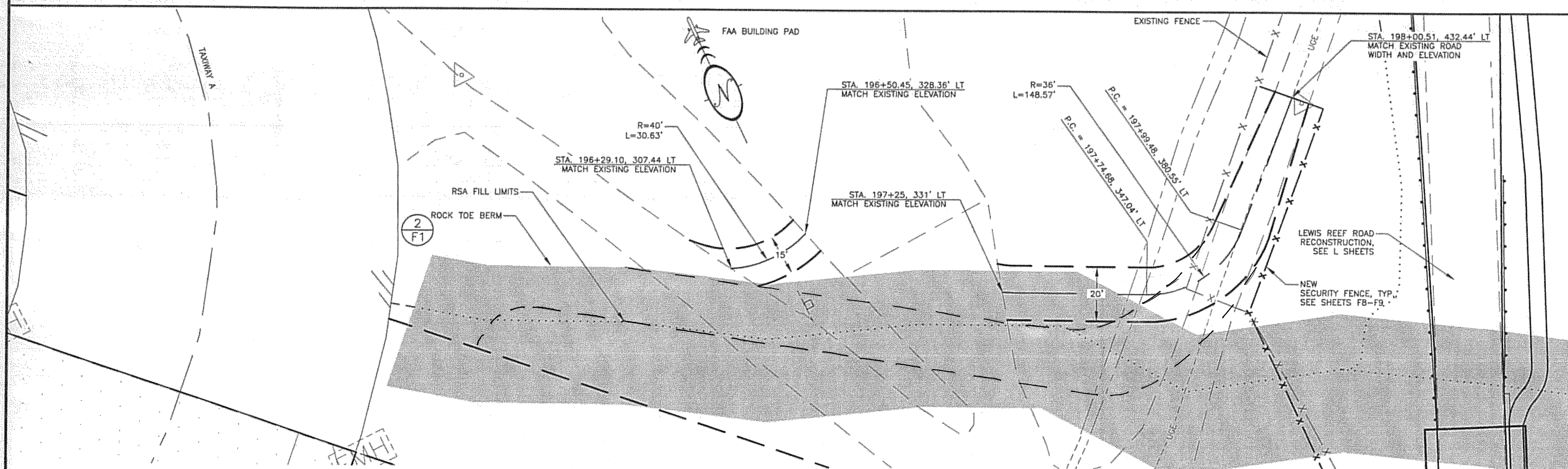
1
F3 N.T.S.
TREE CLEARING AREA



2
F3 N.T.S.
SREB SUBGRADE IMPROVEMENT - PLAN



3
F3 VERTICAL = X2
SREB SUBGRADE IMPROVEMENT - SECTION



2
F3 N.T.S.
ACCESS CONNECTIONS FOR FAA BUILDING PAD



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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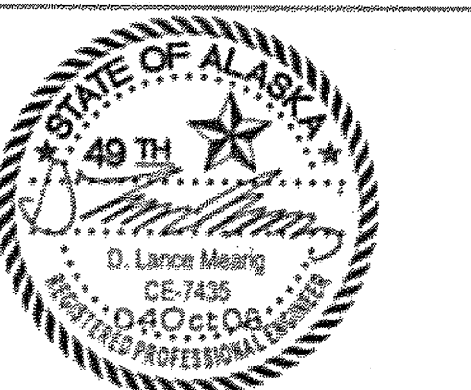
No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

MISCELLANEOUS DETAILS

PREPARED BY: USKH INC.

CHECKED BY: DLM



DESIGNED BY: SC

DRAWN BY: WJP

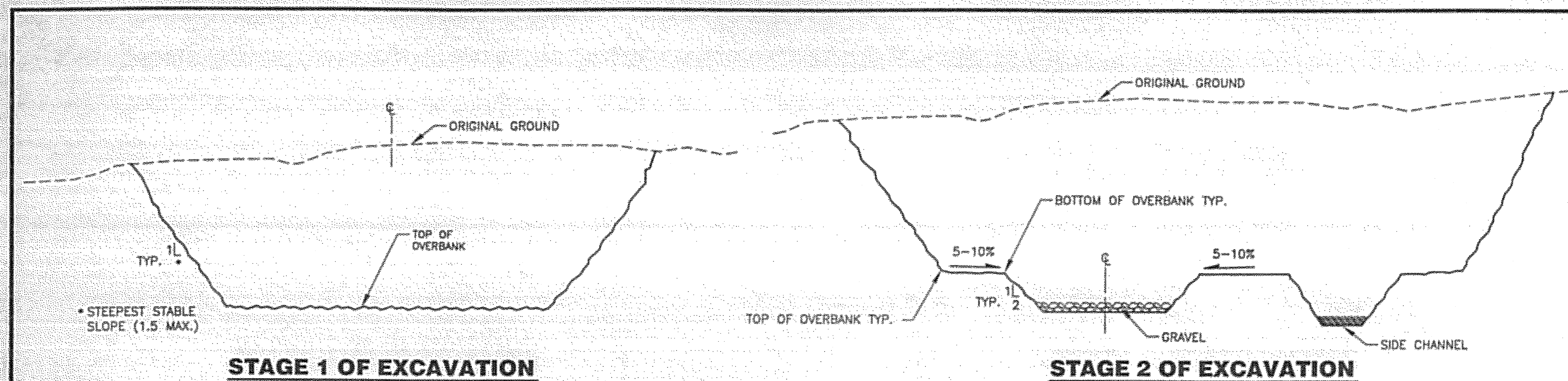
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

**MISCELLANEOUS
DETAILS**

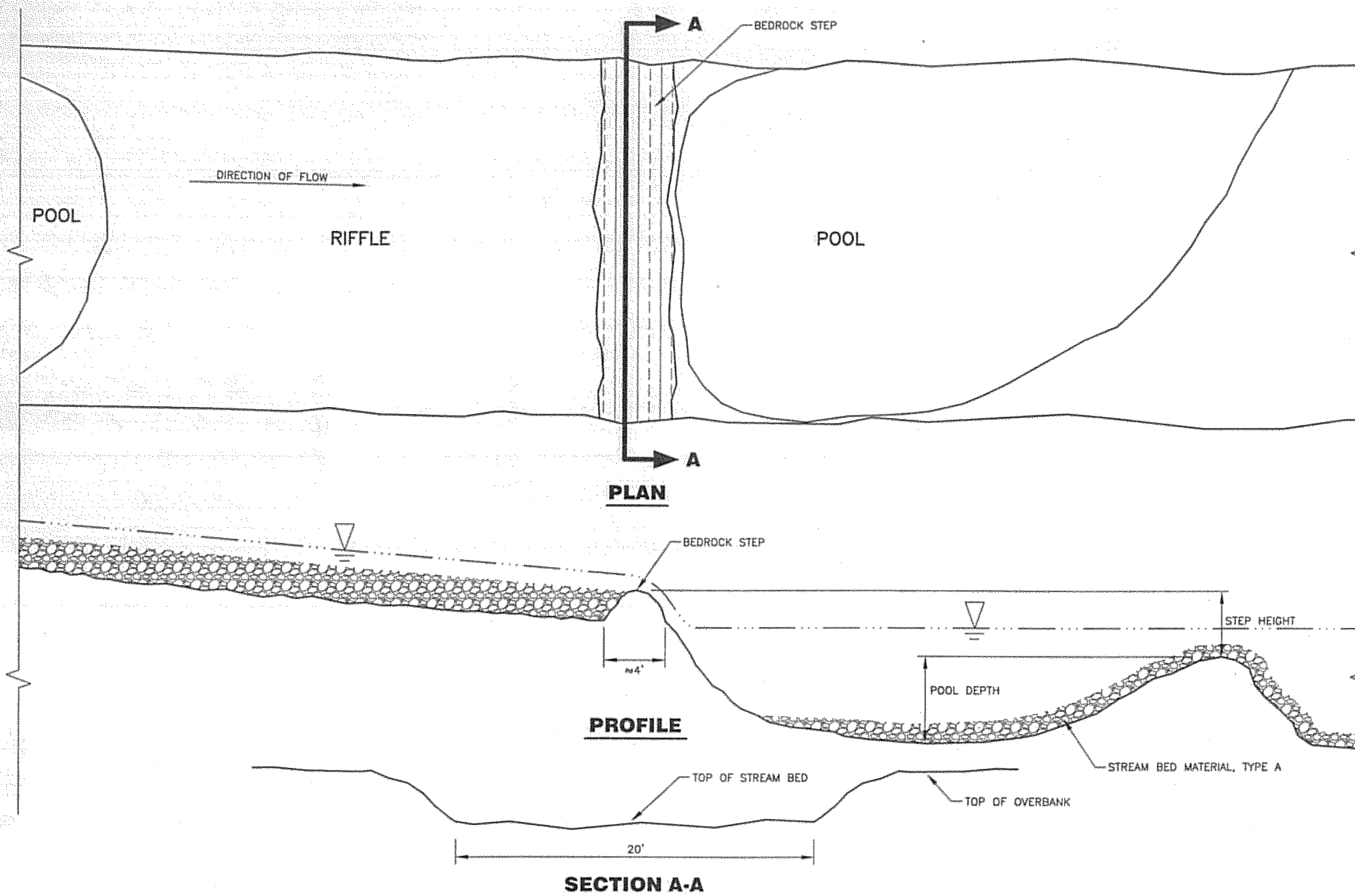
PROJECT DESIGNATION

AIP NO. 3-02-0144-1606

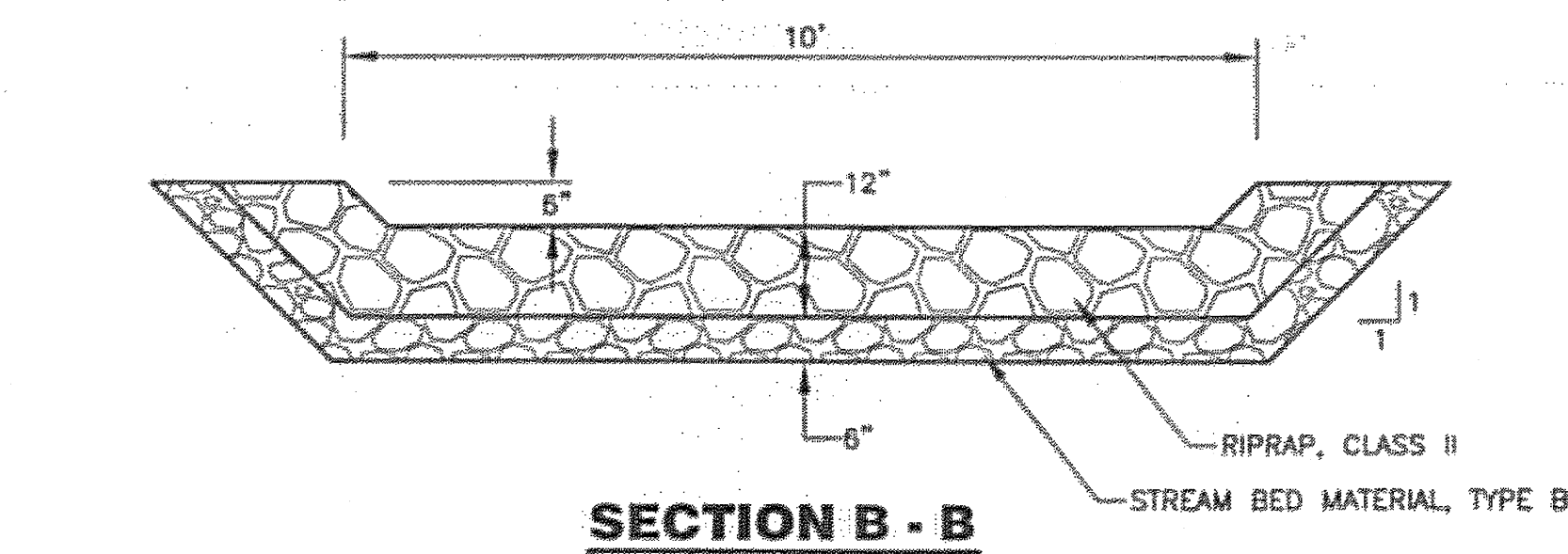
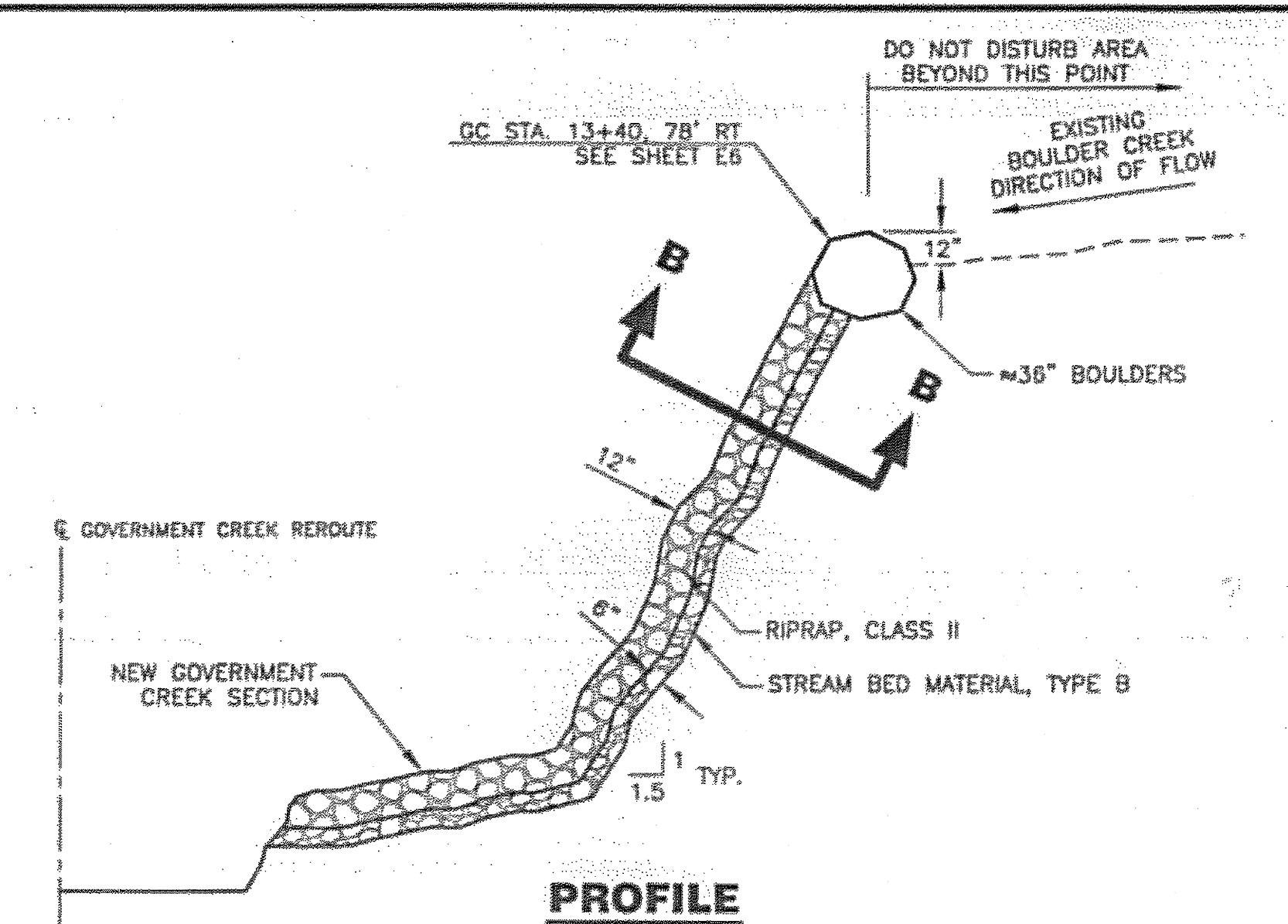
STATE	YEAR
ALASKA	2006
SHEET NUMBER	TOTAL SHEETS
F3	131



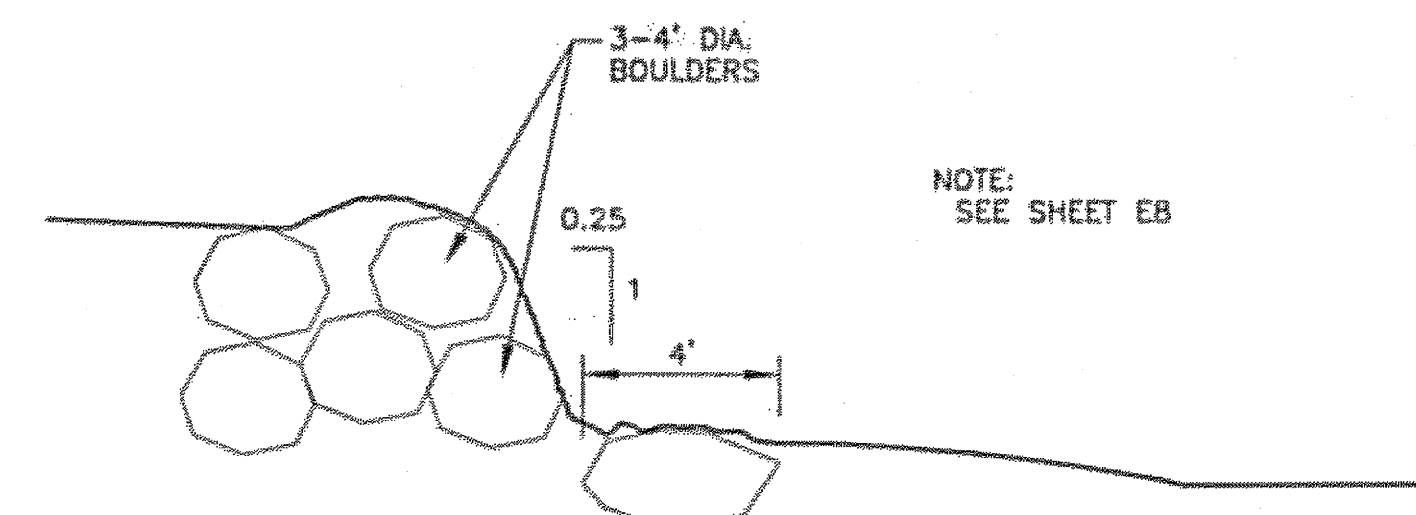
1
F4
N.T.S.
GOVERNMENT CREEK CONSTRUCTION



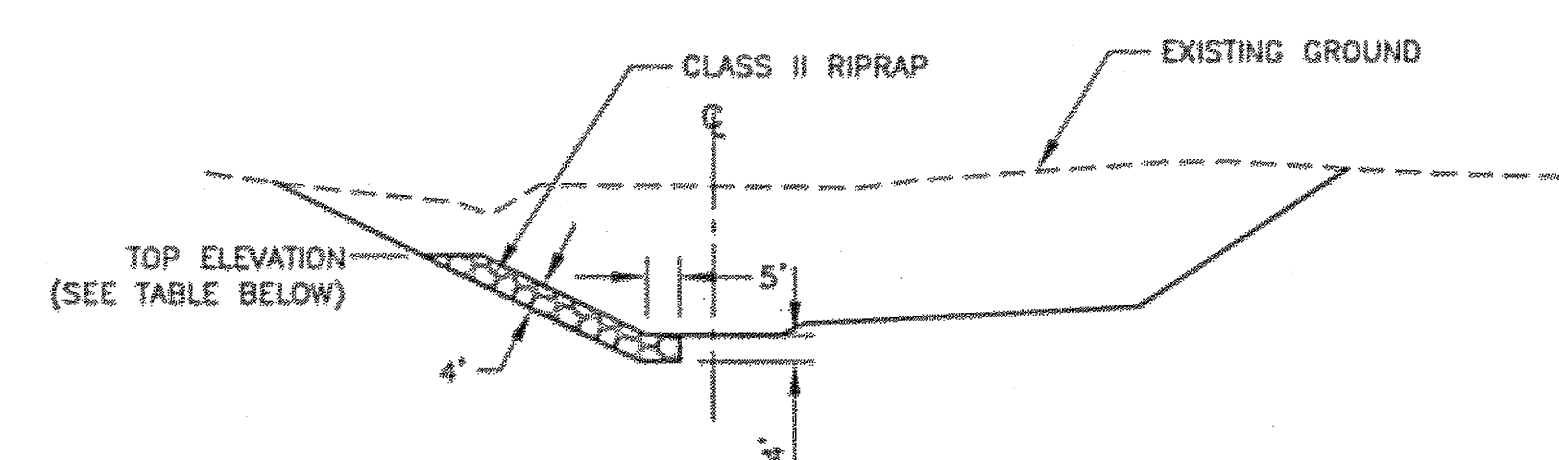
2
F4
N.T.S.
BEDROCK STEP DETAILS



3
F4
N.T.S.
CONSTRUCTED STREAM CONNECTION



4
F4
N.T.S.
FISH BARRIER



STATION	ELEVATION (FT.)
GC 3+50	47.0
GC 4+00	46.5
GC 4+50	46.0
GC 5+00	45.0
GC 5+50	44.0

5
F4
N.T.S.
RIPRAP PROTECTION IN GOVERNMENT CREEK
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\823400\Drawings\Sheets\F04.dwg
Wed, 04/Oct/06 08:43AM bpaddock
TAB: F04

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

KETCHIKAN AIRPORT
RUNWAY SAFETY AREA EXPANSION
& RUNWAY OVERLAY
PROJECT NO. 68306

CREEK REROUTE
CONSTRUCTION
DETAILS

PREPARED BY: USKH INC.

CHECKED BY: DLM

DESIGNED BY: SC

DRAWN BY: GS, WJP

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

CREEK REROUTE
CONSTRUCTION
DETAILS

PROJECT DESIGNATION
AIP NO. 3-02-0144-1606

STATE	YEAR
ALASKA	2006

SHEET NUMBER	TOTAL SHEETS
F4	131