

State of Alaska

Department of Transportation
and Public Facilities
Southeast Region

JUNEAU: THANE ROAD PAVEMENT REHABILITATION

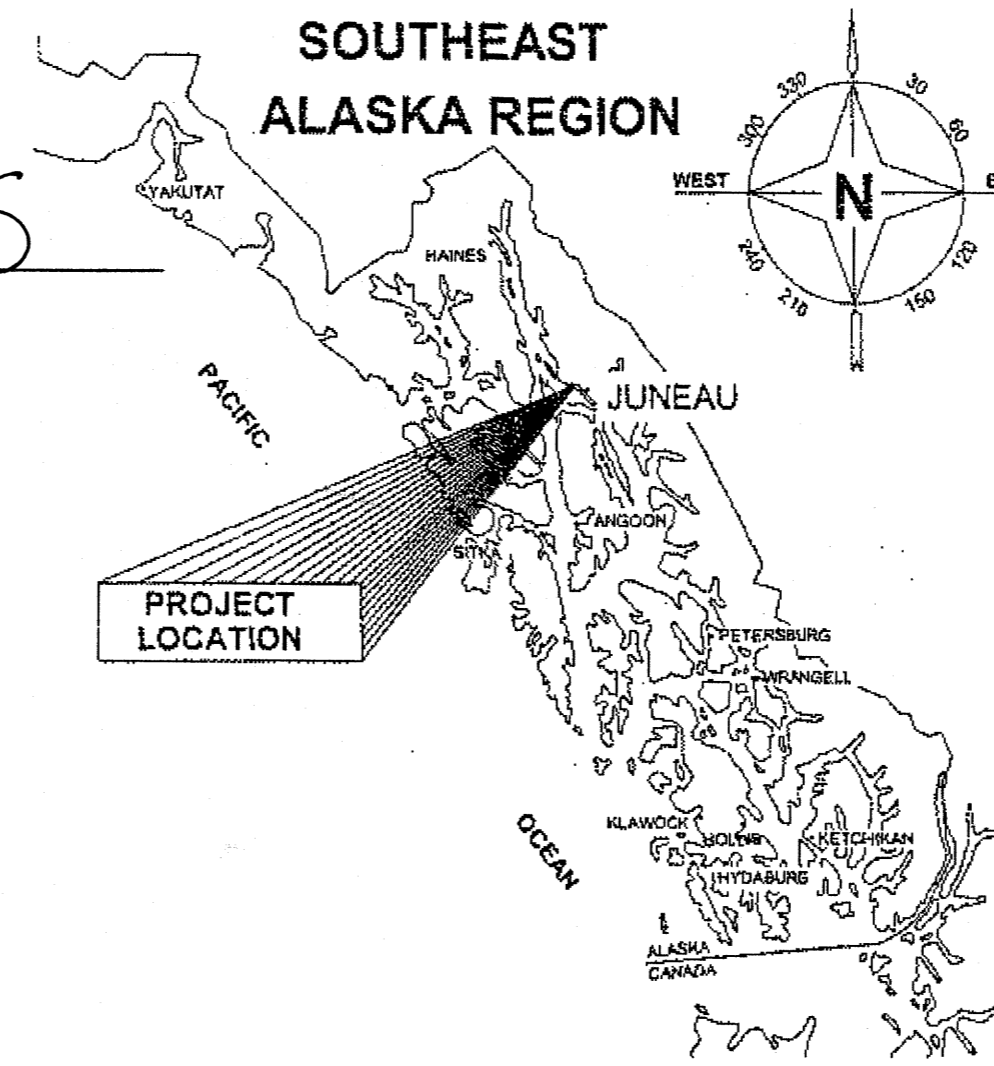
MT. ROBERTS ST. (MP 1.125) TO END OF THANE ROAD (MP 5.620)
PROJECT No. 69340

As-built Plans

Five addenda.

Basic bid + Additive Alternate A

Original Contract Amount \$4,059,696.00



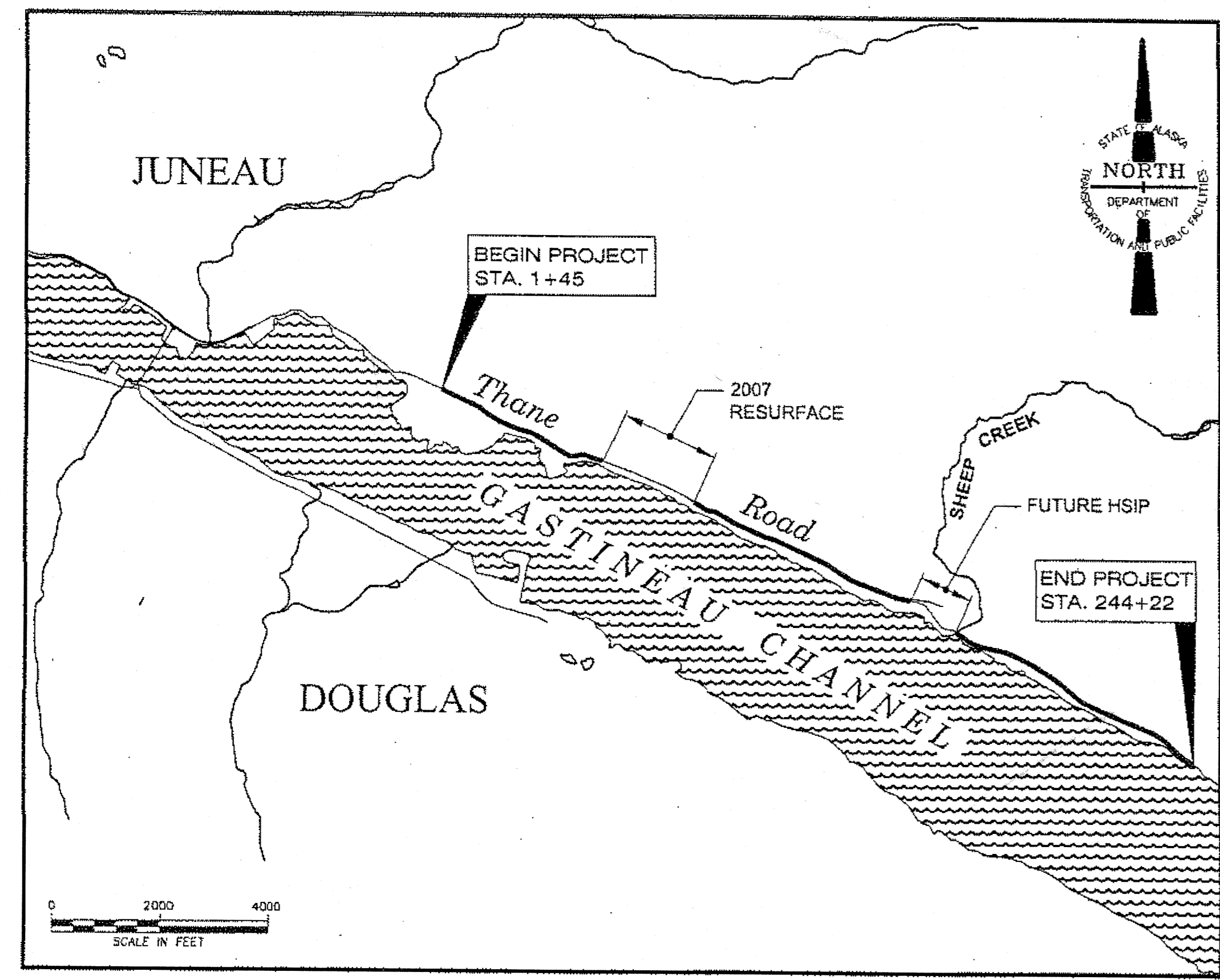
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	LAYOUT
A3-A5	SURVEY CONTROL PLAN
B1-B6	TYPICAL SECTIONS
C1-C2	ESTIMATE OF QUANTITIES
D1-D8	SUMMARIES
F1-F8	PLAN
F9-F10	PLAN & PROFILE
F11-F16	ADDITIVE ALTERNATIVE B-PLAN & PROFILE
F17-F28	PLAN
F29-F34	ADDITIVE ALTERNATIVE A-PLAN & PROFILE
H1	DRAINAGE PROFILE
J1-J2	MISCELLANEOUS DETAILS
M1-M3	GRAVITY BLOCK WALL PROFILES
P1-P2	EROSION & SEDIMENT CONTROL DETAILS
S1-S2	TRAFFIC CONTROL

Contractor: *Seccon*

1st day of work: April 12, 2012

Project Complete: October 29, 2012

Project Engineer: *John S. Kajdan, PE*



VICINITY MAP

**DESIGN DESIGNATION
THANE ROAD**

A.D.T. 2008	=	4250
A.D.T. 2031	=	4770
D.H.V. (12.1%) 2031	=	578
% T	=	10.6%
V	=	35-45 M.P.H.
E.A.L.	=	750,000

PROJECT SUMMARY

LENGTH OF PROJECT	=	4.5 MILES
LENGTH OF RESURFACING	=	4.5 MILES
WIDTH OF RESURFACING	=	22-28 FT

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-22.01	G-04.07W	M-16.01	S-30.03
C-04.12	D-23.01	G-10.01	M-20.12	T-06.00
C-05.10	D-26.02	G-13.00	M-23.12	T-21.02
D-01.02	E-13.00	G-20.10	S-00.10	
D-04.21	G-00.01	G-28.00	S-01.00	
D-07.00	G-04.06S	I-20.13	S-05.01	
		I-81.00	S-20.10	

1 of 66

CDS MILEPOINT	START	END
	1.125	5.620

PATH:
Q:\JUNI69340\PLANSET\69340_A1_TITLE.DWG

GEARY, NATE (DOT)
TAB: A1 Tuesday, October 04, 2011 1:32:37 PM

**STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION**

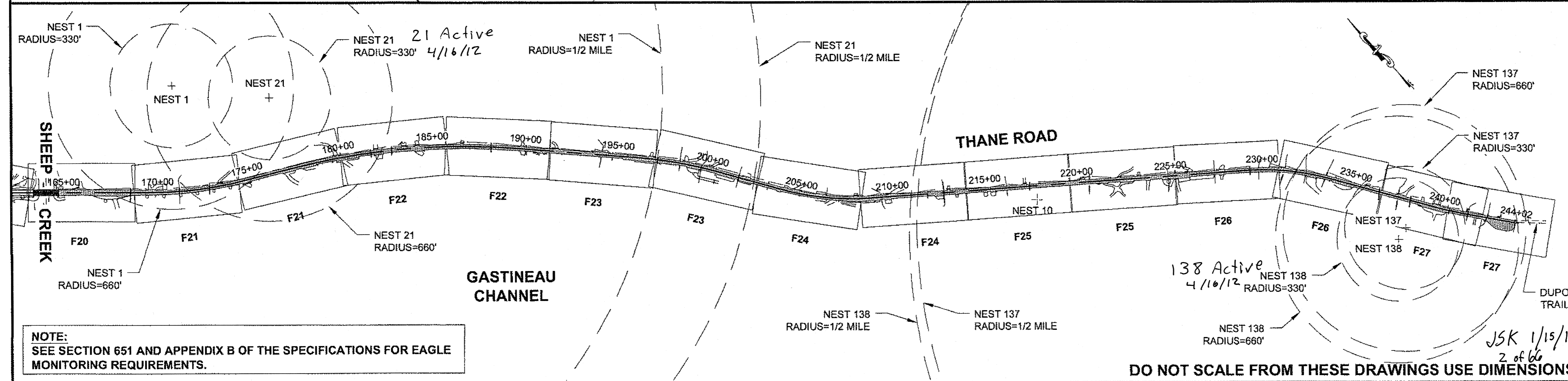
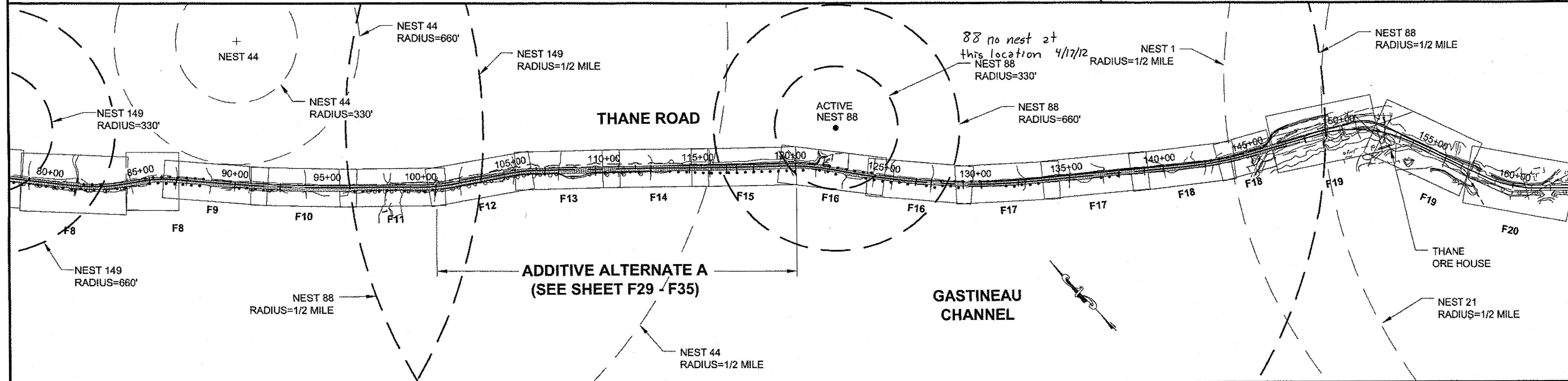
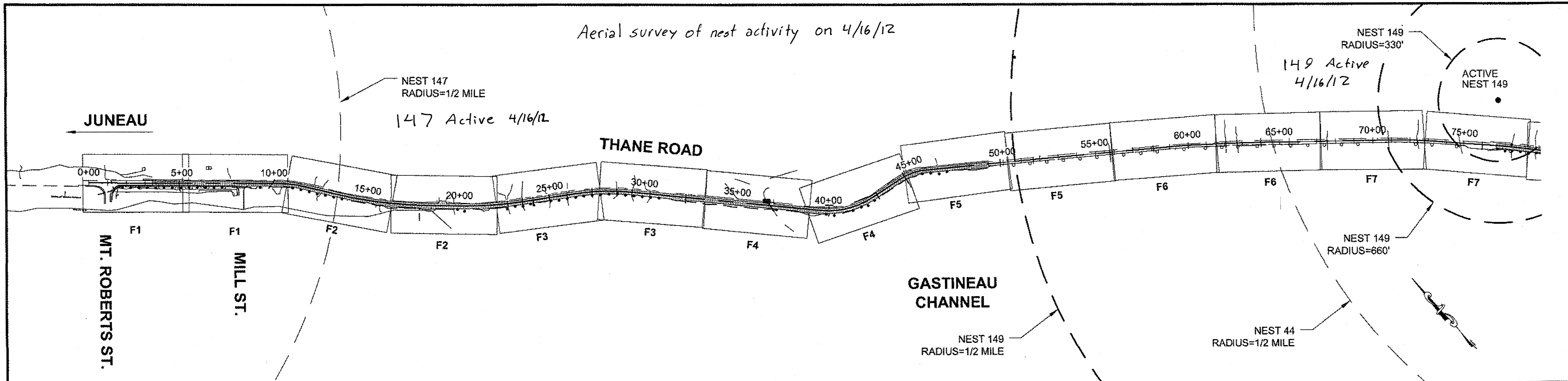
APPROVED: *Chuck Correa* 10/4/11
REGIONAL PRE-CONSTRUCTION ENGINEER
CHUCK CORREA, P.E. DATE

APPROVED: *Albert H. Clough* 10/4/2011
DIRECTOR, SOUTHEAST REGION
ALBERT H. CLOUGH, CPG DATE

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD
CONDITION:
Darryl G. Lester 4/11/14
CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	69340	2011	A1	63

Aerial survey of nest activity on 4/16/12



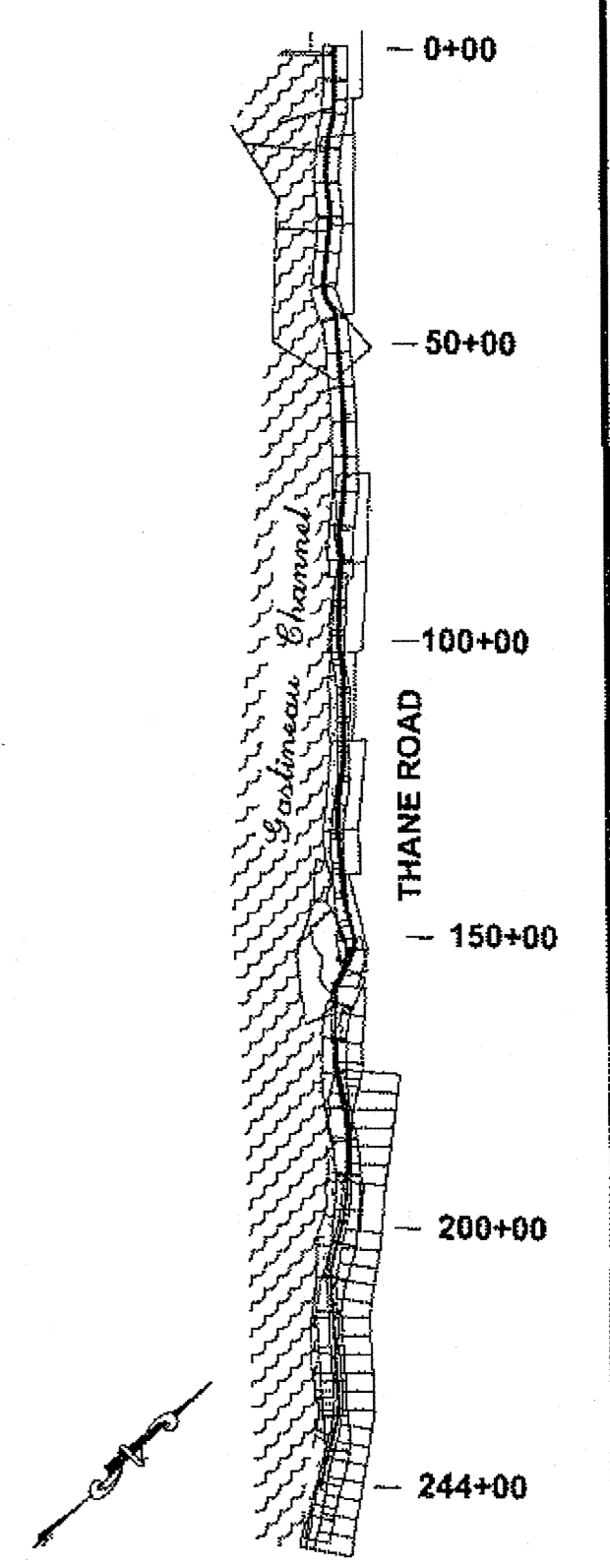
NOTE:
SEE SECTION 651 AND APPENDIX B OF THE SPECIFICATIONS FOR EAGLE MONITORING REQUIREMENTS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU169340\PLANSET\69340_A2_PROJ-LEGEND.DWG

GRANTHAM, RICK L (DOT)
Monday, August 22, 2011 10:25:29 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER, D. LESTER
DRAWN BY: R. GRANTHAM
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340

LAYOUT

PROJECT DESIGNATION	
69340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
A2	63

JSK 1/15/14
2 of 66

Basis of Horizontal Control:
Horizontal Control for this project is based on a department traverse from May of 1990. Adjustment held Alaska State Plane zone 1 Grid Bearings between NGS monuments "MINE" and "BAY" as S76°57'41"E.

Project Specific Basis of Horizontal Control

TH-6 (#6): 2" Aluminum cap grouted in sidewalk adjacent to outbound lane of Thane Road approximately 500' shy of Mt. Roberts Street.
Thane Grid N 497605.6985' E 202177.3068'

TH-7A (#210) : 1.5" Aluminum Cap grouted in AC adjacent to outbound lane of Thane Road approximately 100' beyond Mill Street.
Thane Grid N 496702.8862' E 203151.4307'

Basis of Vertical Control:
Vertical Control is Mean Lower Low Water based on levels from old CBJ benchmark publication. Project specific vertical control is TH-7A having an accepted elevation of 59.41 feet above MLLW.

CONTROL MONUMENT NOTES:

1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.
2. Whether listed or not, all monuments, property markers, or accessories that 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.

CONTROL MONUMENTS						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
6	NA	NA	497605.6985	202177.3068	78.18	ALCTRL/GROUT_TH-6
210	9+22.03	10.91 R	496702.8862	203151.4307	59.41	ALCTRL_GROUTED_IN_AC_TH-7A
8	17+93.27	13.79 R	496030.0080	203700.1730	31.19	ALCTRL/REBAR_TH-8
9	31+61.20	17.85 R	495138.7820	204729.0110	34.01	ALCTRL/REBAR_TH-9
10	39+86.74	10.67 R	494527.9350	205285.3650	27.78	ALCTRL/REBAR_TH-10
11	49+16.88	13.08 R	494113.9844	206096.5259	47.61	ALCTRL/REBAR_TH-11

CONTROL MONUMENTS LISTED MAY BE DESTROYED.

PROPERTY MONUMENTS						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
715	2+57.81	0.06 R	497162.1731	202671.4663		CL_MON_DOT/PF
717	9+91.80	32.91 R	496639.3434	203187.6789		ALPRIM3.25" L3_AJ_SUB
716	13+46.09	42.37 L	496406.4775	203459.0863		BPR_BC3.25"+36+826
7299	14+94.70	30.03 R	496244.0558	203487.5194		PLASCAP_T&N
7298	17+41.93	31.67 R	496054.1047	203650.8881		PLASCAP_T&N
7296	28+31.74	41.02 R	495364.0400	204491.8129		STONE_C-11_QUEEN_MS1027A
7293	30+78.48	30.29 R	495193.6875	204663.3007		ALPRIM3" _C-6_FR_ATS_556
7294	30+79.78	86.49 R	495153.7835	204623.5832		ALPRIM3" _C-5_FR_ATS_556
7288	42+55.55	35.99 L	494453.3309	205535.2514		BPR_BC
7287	43+96.96	33.50 L	494428.4228	205674.4705		BPR_BC
7286	44+42.63	34.93 L	494421.9885	205721.3378		BPR_BC

PROPERTY MONUMENTS LISTED THAT WILL BE DISTURBED OR BURIED SHALL BE REFERENCED AND RE-ESTABLISHED. SEE NOTE 2.

GRANTHAM, RICK L (DOT)		
TAB: A3 Thursday, August 18, 2011 3:40:31 PM		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: R. DAVIS

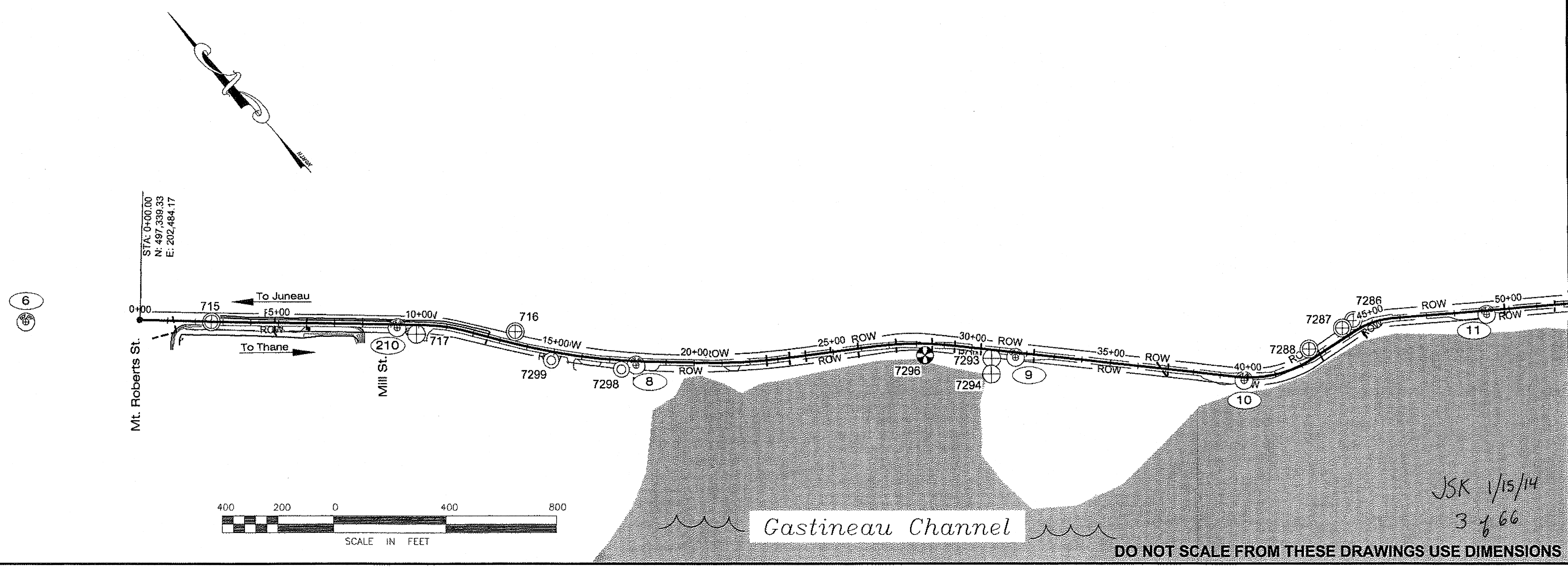
DESIGNED BY: T. REED

DRAWN BY: T. REED

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION
JNU-THANE ROAD
PAVEMENT REHABILITATION
PROJECT #68340

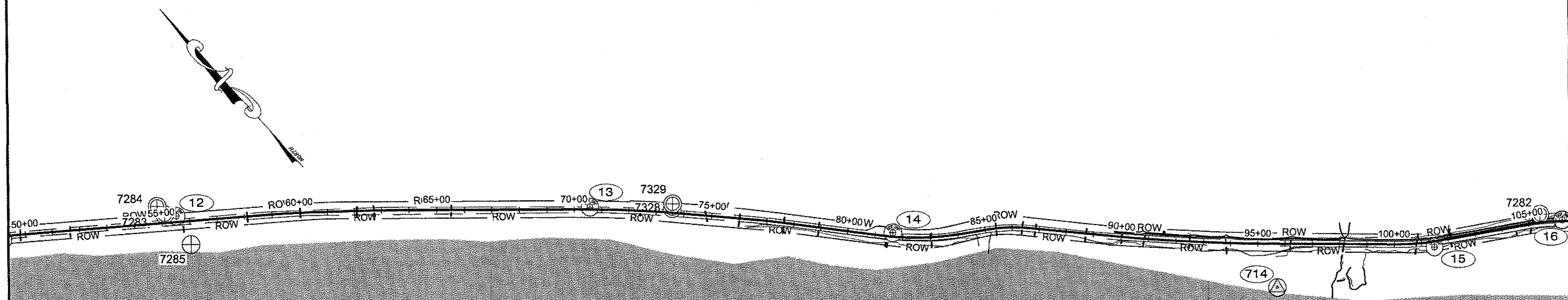
SURVEY CONTROL

PROJECT DESIGNATION	
68340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
A3	63



GRANTHAM, RICK L (DOT)
 TAB: A4 Thursday, August 18, 2011 3:40:53 PM
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

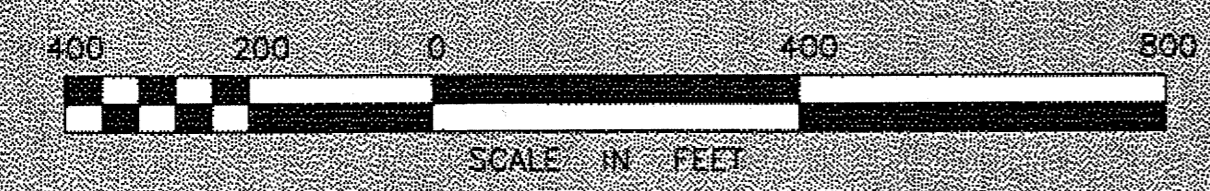
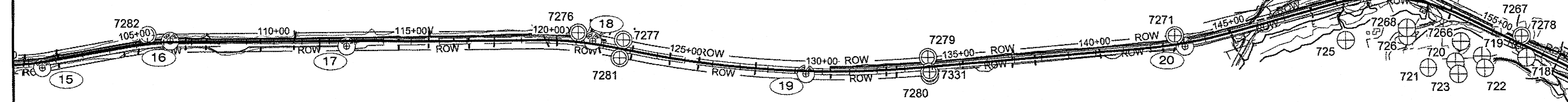


POINT	STATION	PROPERTY MONUMENTS	OFFSET	NORTHING	EASTING	DESCRIPTION
7284	54+87.88	62.61 L	493826.8971	206595.8750	BPR_BC(UP_1_SOLID	
7283	55+12.17	30.36 L	493786.5285	206595.5544	BPR_BC(LEANS_75D_T@BASE	
7285	55+98.92	84.26 R	493642.7848	206594.7380	BC3_WCMC_4_S1111_SEE_BOOK	
7329	73+56.98	32.64 L	492579.0650	207995.1280	BPR_BC_RPPI_97+04.3	
7328	73+57.41	15.25 L	492566.8490	207982.7450	BPR_BC_P1_97+04.3	
7282	105+44.67	29.64 L	490428.1045	210318.5802	BPR_BC(LEANS_65_T@BASE	
7276	121+04.00	33.39 L	489366.9812	211487.3442	BPR_BC_ROW_144+66.2	
7281	122+66.99	32.90 R	489218.2620	211539.1726	BPR_BC(BURIED_1_0_SOLID	
7277	122+67.79	33.58 L	489257.5711	211592.7925	BPR_BC_ROW_146+29.8	
7279	133+88.51	34.68 L	488469.8522	212370.5376	BPR_BC(LEANS_1_T_@BASE	
7331	133+88.71	18.09 R	488427.7248	212338.7553	BPR_BC_RPPT_157+50.9	
7280	133+88.90	30.82 R	488417.6382	212331.3246	BPR_BC(LEANS_2_T_@BASE	
7271	142+93.94	32.85 L	487925.8351	213091.1790	BPR_BC_ROW_166+529_LEANS	
725	149+03.58	137.84 R	487492.3462	213545.1718	ALPRIM3.5_ATS1328_HMSTD3_MS979/	
7338	151+45.57	239.11 L	487621.7448	213978.5573	ROW_POST_CONC_4"x4"/BRASS_C2_S1078"	
7339	151+48.52	218.50 L	487605.1573	213965.7172	BC3_R&M_C6_MS969/MS_260"	
727	151+58.80	74.29 L	487501.2009	213865.0144	ALPRIM3.5_SPINHOLE_D6USCE_1410S	
7268	151+75.43	102.13 R	487375.5044	213740.1721	ALPRIM3_ATS_1328_TR_B-1_C-1/_ATS	
726	151+82.89	131.61 R	487352.1232	213721.1590	ALPRIM3.5_ATS1328_TRA/TRB1_1410	
7359	151+84.98	261.31 L	487595.2755	214029.8149	STONE_C3_MS260/C6_MS979	
721	153+20.15	222.30 R	487216.5895	213701.7841	ALPRIM3.5_ATS1328_CSTRB1/CSTRB3	
7266	154+08.94	86.23 R	487205.8436	213855.5154	ALPRIM3_ATS_1328_TR_B-1_C-2	
720	154+22.18	161.35 R	487165.0529	213791.0579	ALPRIM3.5_ATS1328_C4TRB1/C6TRB3	
723	154+50.12	196.83 R	487125.7240	213768.8559	ALPRIM3.5_ATS1328_C7TRB3/C4TRB2	
719	155+01.29	100.37 R	487115.0447	213877.5282	ALPRIM3.5_ATS1328_C3TRB1/C2TRB2	
7267	155+19.30	25.36 L	487146.1600	214000.6697	ALPRIM3_ATS_1328_TR_B-1_C-9	
722	155+28.50	134.79 R	487076.8015	213856.0283	ALPRIM3.5_SPINHOLE_ATS1328_C3TR	
7278	156+01.38	27.84 L	487071.1821	214034.1532	BPR_BC_ROW_POT(LEANING-TIED	
718	156+50.77	34.83 R	487001.6789	213994.9458	ALPRIM3.5_ATS1328_C10TRB3/C1TRB	

PROPERTY MONUMENTS LISTED THAT WILL BE DISTURBED OR BURIED SHALL BE REFERENCED AND RE-ESTABLISHED. SEE NOTE 2, SHEET A3.

POINT	STATION	CONTROL MONUMENTS	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
12	55+53.18	21.97' L	493754.9314	206623.0061	72.59	ALCTRL/REBAR_TH-12	
13	70+57.58	9.17 L	492772.3638	207763.0166	74.63	ALCTRL/REBAR_TH-13	
14	81+63.68	14.88 L	491966.0590	208520.2150	41.78	ALCTRL/REBAR_TH-14	
714	95+70.94	156.86 R	490880.6924	209426.6758	18.24	USC&GS_BC3.5"_BAY	
15	101+46.38	20.22 R	490599.7683	209953.3210	102.19	ALCTRL/REBAR_TH-15	
16	106+23.52	4.10 L	490358.0078	210365.3801	120.57	ALCTRL/REBAR_TH-16	
17	112+63.95	18.46 R	489915.1511	210828.6005	116.52	ALCTRL/REBAR_TH-17	
18	121+59.35	10.51 L	489329.5914	211507.2346	98.98	ALCTRL/REBAR_TH-18	
19	129+40.34	9.73 R	488723.9230	212000.4082	93.52	ALCTRL/REBAR_TH-19	
20	143+23.95	12.37 R	487871.6602	213091.9194	57.10	ALCTRL/REBAR_TH-20	
21	150+92.04	34.71 L	487526.4111	213786.9700	62.24	ALCTRL/REBAR_TH-21	

CONTROL MONUMENTS LISTED MAY BE DESTROYED.

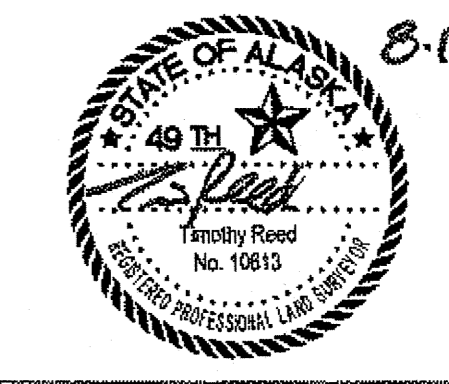


Gastineau Channel

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLAN LEGEND

CHECKED BY: R. DAVIS



DESIGNED BY: T. REED
 DRAWN BY: T. REED

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

JNU-THANE ROAD
 PAVEMENT REHABILITATION
 PROJECT #68340

SURVEY CONTROL

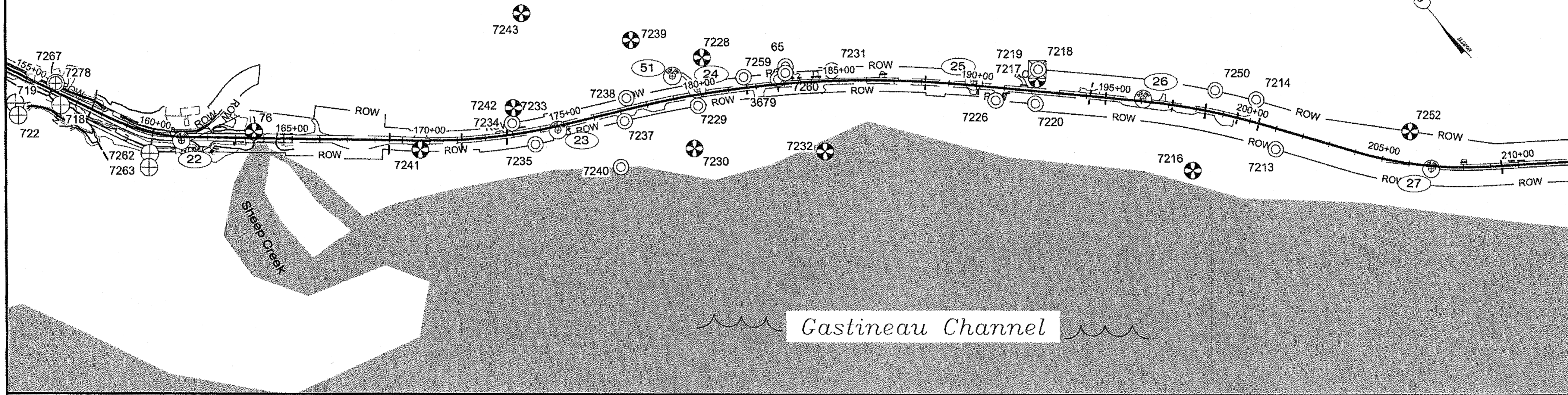
PROJECT DESIGNATION	
68340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
A4	63

JSK 1/15/14
 4 of 66

GRANTHAM, RICK L (DOT)		
TAB: A5 Thursday, August 18, 2011 3:41:09 PM		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

CONTROL MONUMENTS						
POINT	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
22	161+04.90	13.17 R	486612.4326	214237.2802	28.92	ALCTRL/REBAR_TH-22
23	174+62.23	13.91 R	485735.5498	215273.8562	50.66	ALCTRL/REBAR_TH-23
51	179+11.19	82.10 L	485601.0260	215715.8910	108.05	ALCTRL/REBAR_TH-51
24	179+89.50	20.09 L	485506.5890	215750.9660	83.37	ALCTRL/REBAR_TH-24
25	189+88.63	15.69 L	484859.3354	216514.2099	107.93	ALCTRL/REBAR_TH-25
26	196+05.86	9.10 L	484402.2458	216929.1290	139.44	ALCTRL/REBAR_TH-26
27	206+83.61	10.15 R	483513.3580	217539.3676	166.56	ALCTRL/REBAR_TH-27
28	215+23.50	10.37 R	482976.8748	218186.7428	185.58	ALCTRL/REBAR_TH-28
29	230+39.32	15.67 L	482044.2144	219383.4770	142.06	ALCTRL/REBAR_TH-29
30	243+96.13	34.79 R	480903.8941	220123.2704	102.67	ALCTRL/REBAR_TH-30
31	NA	NA	480692.6473	220016.8807	22.02	ALCTRL/REBAR_TH-31

CONTROL MONUMENTS LISTED MAY BE DESTROYED.



PROPERTY MONUMENTS					
POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
719	155+01.29	100.37 R	487115.0447	213877.5282	ALPRIM3.5" ATS1328_C3TRB1/C2TRB2
7287	155+19.30	25.36 L	487146.1600	214000.6697	ALPRIM3.5" ATS_1328_TR_B-1_C-9
722	155+28.50	134.79 R	487076.8015	213856.0263	ALPRIM3.5" SPINHOLE ATS1328_C3TR
7278	156+01.38	27.84 L	487071.1821	214034.1532	BPR_BC_RP_POT(LEANING-TIED)
718	156+50.77	34.83 R	487001.6789	213994.9458	ALPRIM3.5" ATS1328_C10TRB3/C1TRB
7262	160+02.22	74.47 R	486655.3796	214119.9908	ALPRIM3.5" ATS_1328_TR_B-3_C-10
7263	160+06.97	124.37 R	486621.2515	214083.1874	ALPRIM3.5" ATS_1328_TR_B-3_C-11
76	163+64.74	23.38 L	486462.2257	214453.0069	STONE_C1_MS71B/MS72B
7241	169+66.03	32.85 R	486013.4053	214857.0881	GLO_BC_USLM2572
7234	173+03.40	40.32 L	485863.6020	215166.9222	IP_1"
7233	173+03.89	41.41 L	485864.3519	215167.7837	PLASCAP_ALTECH"
7242	173+17.36	94.27 L	485901.3647	215207.7513	BLM_WCMC_C4S2572/S3269
7235	173+73.53	48.23 R	485751.1985	215178.8007	ALSEC2_DOT/PP_MON_ROW
7243	174+20.77	423.70 L	486134.5982	215457.2684	GLO_BC_C3S2572/S3269
7240	176+53.26	197.07 R	485483.3888	215354.8173	CWELD1.5" MC19_S3269
7237	177+05.99	38.97 R	485597.3656	215476.4144	PLASCAP_ALTECH
7238	177+32.88	39.84 L	485653.8884	215537.5588	PLASCAP_ALTECH
7239	177+95.44	239.15 L	485797.4954	215690.1929	GLO_MON_C2S2580/S3269

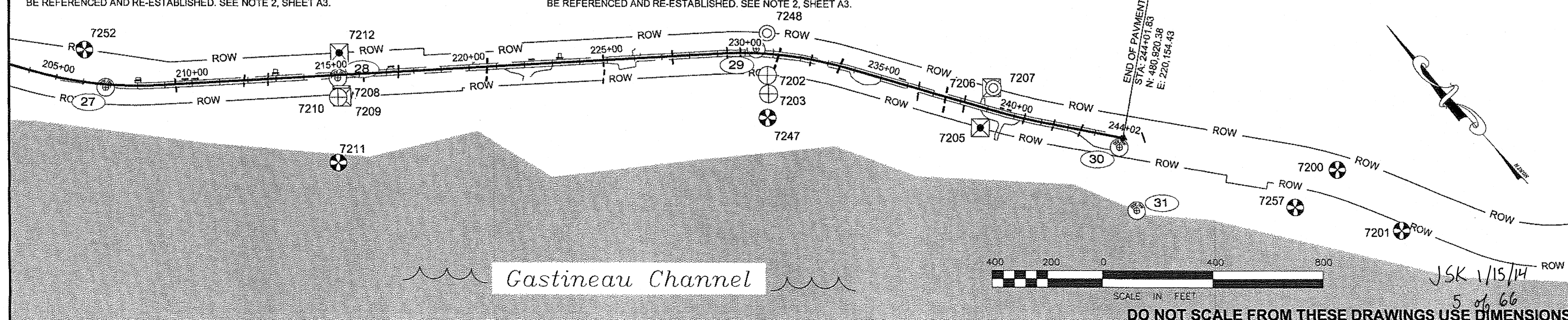
PROPERTY MONUMENTS LISTED THAT WILL BE DISTURBED OR BURIED SHALL BE REFERENCED AND RE-ESTABLISHED. SEE NOTE 2, SHEET A3.

PROPERTY MONUMENTS					
POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
7230	179+40.49	188.95 R	485354.3517	215599.9275	GLO_WCMC_C1S2850/C4S2580
7229	179+81.69	39.42 R	485460.3799	215712.6631	PLASCAP_T&N
7228	180+24.25	129.14 L	485579.4648	215839.4874	GLO_MON_C2S2650/C3S2580
7259	181+59.49	39.13 L	485427.6637	215904.2388	PLASCAP_T&N
3679	182+80.42	19.11 L	485340.0471	215991.2984	PLASCAP/REBAR_T&N
7260	183+07.36	38.35 L	485339.0608	216024.5594	PLASCAP_T&N
65	183+10.00	61.90 L	485356.1900	216040.9478	PLASCAP/REBAR_T&N_L3/L4
7232	184+36.28	253.02 R	485032.7842	215942.5669	GLO_WCMC_C1S2690/C4S2650
7231	184+74.47	37.59 L	485233.3012	216156.1553	PLASCAP_T&N
7226	190+72.19	46.26 R	484755.9441	216525.6216	PLASCAP_BEAN
7218	192+12.26	78.93 L	484738.3816	216712.6545	ROW_POST_CONC_8"X8"/BRASS_NAIL
7217	192+15.08	44.69 L	484713.0320	216689.4713	BLM_WC_C1S3145/C2S2653/S32
7219	192+15.15	78.93 L	484736.2636	216714.6280	PLASCAP_BEAN
7220	192+15.83	44.92 R	484651.5392	216624.2764	PLASCAP_BEAN
7216	198+28.49	221.53 R	484091.4541	216888.2439	GLO_WCMC_C4S2653/S3269L10
7250	198+56.16	79.05 L	484249.9290	217145.0469	PLASCAP_BEAN
7214	200+03.21	80.68 L	484125.8595	217232.8426	PLASCAP_BEAN
7213	201+18.72	72.12 R	483946.1083	217165.0280	PLASCAP_BEAN

PROPERTY MONUMENTS LISTED THAT WILL BE DISTURBED OR BURIED SHALL BE REFERENCED AND RE-ESTABLISHED. SEE NOTE 2, SHEET A3.

PROPERTY MONUMENTS					
POINT	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
7252	205+87.66	115.21 L	483665.4242	217572.5364	BLM_BC_S3269/L12/L13/L14
7211	215+08.16	314.21 R	482750.5402	217983.2971	BLM_WCMC_C1/S3271L20-CBS32
7210	215+20.14	79.87 R	482924.7272	218140.6883	ALPRIM3.5" LS6277/MON_L17C/S3269-ROW
7208	215+32.88	70.62 R	482923.9222	218156.4845	ROW_POST_CONC_8"X8"/BRASS_NAIL
7212	215+33.44	79.64 L	483040.9192	218250.7663	ROW_POST_CONC_8"X8"/BRASS_NAIL
7209	215+33.98	79.56 R	482916.3155	218151.6798	ROW_POST_CONC_8"X8"/BRASS_NAIL
7248	230+74.64	74.46 L	482060.1733	219450.8134	ALSEC2/FINLEY_ROW/L25/L26
7202	230+84.86	76.75 R	481947.4405	219349.5158	ALPRIM3.5" R&M_ROW_MON-L3/4_S2168
7203	230+95.23	142.75 R	481894.9165	219308.4322	BC3.5"WC_ROW_MON-L22/S327_261E
7247	230+97.35	228.59 R	481834.5033	219247.4177	GLO_WCMC_C2S2168/C11S3271
7205	238+94.81	72.60 R	481292.4958	219795.7854	ROW_POST_CONC_8"X8"/W/BRASS_TAC
7206	238+94.96	77.31 L	481371.7011	219923.0655	ROW_POST_CONC_8"X8"/W/BRASS_TAC
7207	239+01.32	78.45 L	481366.9047	219927.3955	PLASCAP/REBAR_EMPIS
7257	NA	NA	480316.8378	220452.6667	BLM_WCMC_7_S3271/1_S2107
7200	NA	NA	480314.9259	220657.4901	GLO_MON_C2/S2107-C8/S3271
7201	NA	NA	479995.2211	220685.6782	BLM_MON_C6/S3271-MC/S3862

PROPERTY MONUMENTS LISTED THAT WILL BE DISTURBED OR BURIED SHALL BE REFERENCED AND RE-ESTABLISHED. SEE NOTE 2, SHEET A3.



PLAN LEGEND

CHECKED BY: R. DAVIS



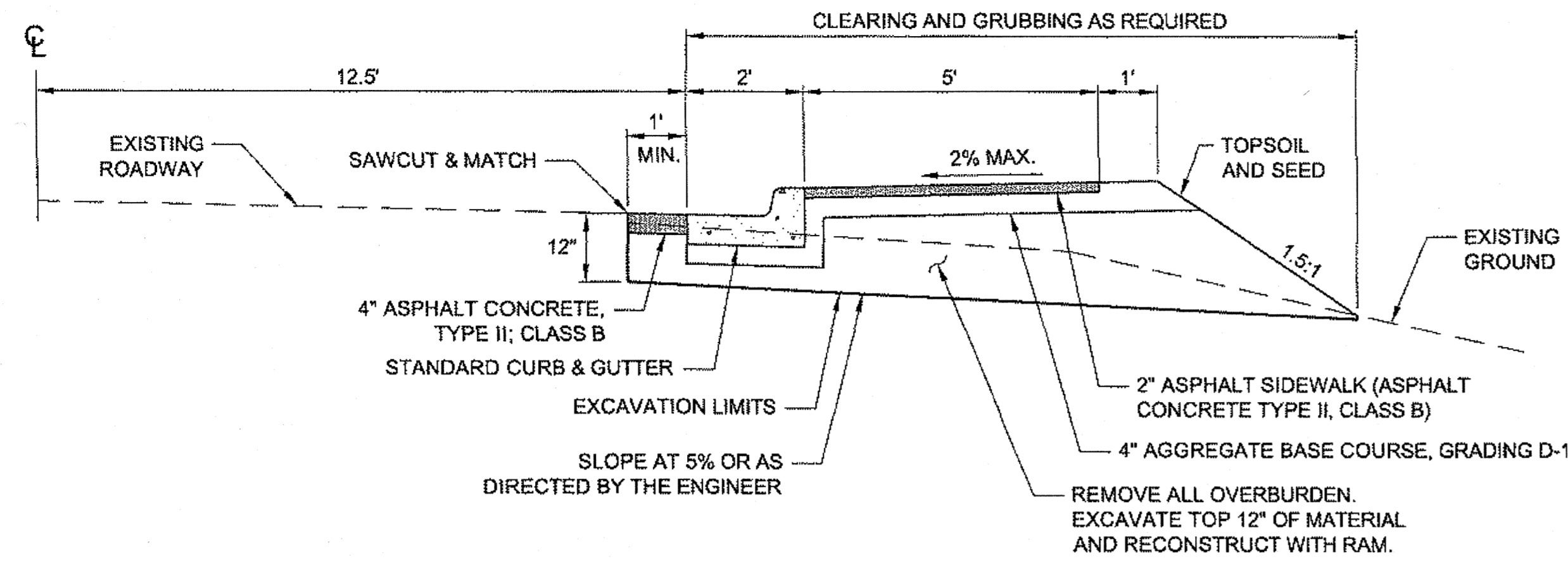
DESIGNED BY: T. REED
DRAWN BY: T. REED

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

JNU-THANE ROAD
PAVEMENT REHABILITATION
PROJECT #68340

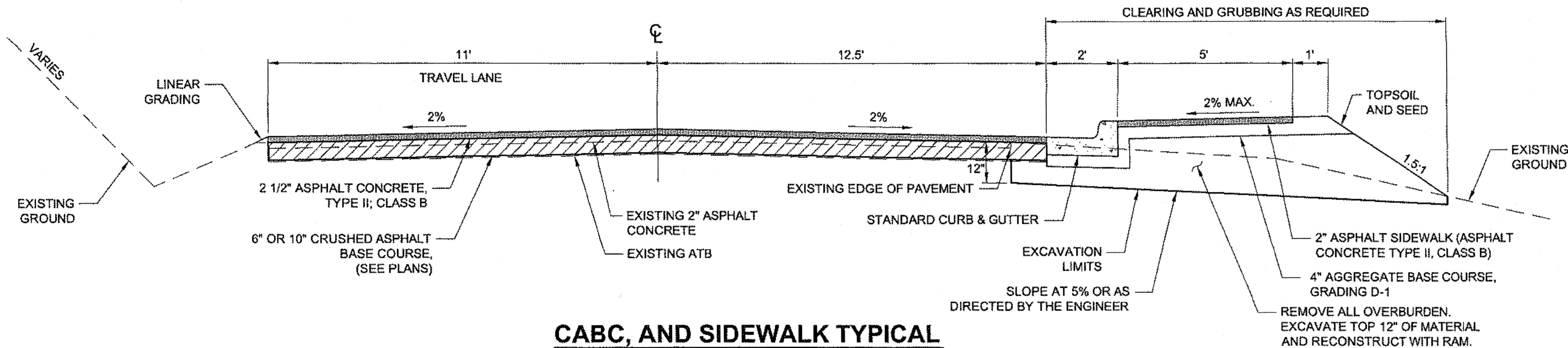
SURVEY CONTROL

PROJECT DESIGNATION	
68340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
A5	63



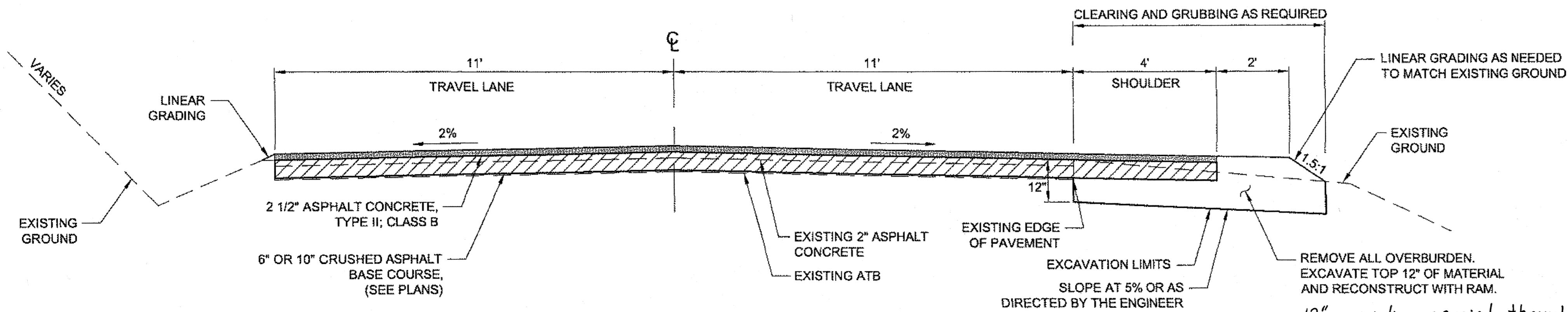
CURB & GUTTER, AND SIDEWALK TYPICAL

STA. 1+45 TO STA. 3+40



CAB, AND SIDEWALK TYPICAL

STA. 3+40 TO STA. 7+90



RIGHT SHOULDER WIDENING TYPICAL

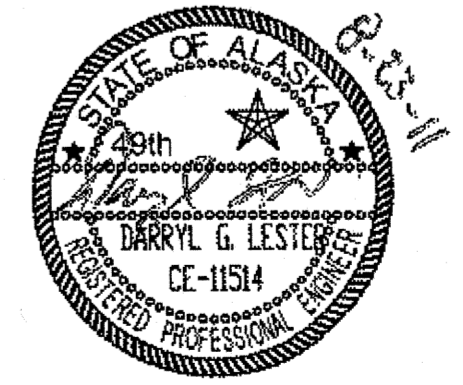
STA. 7+90 TO STA. 48+90
STA. 76+78 TO STA. 100+90

TYPICAL SECTION NOTES:

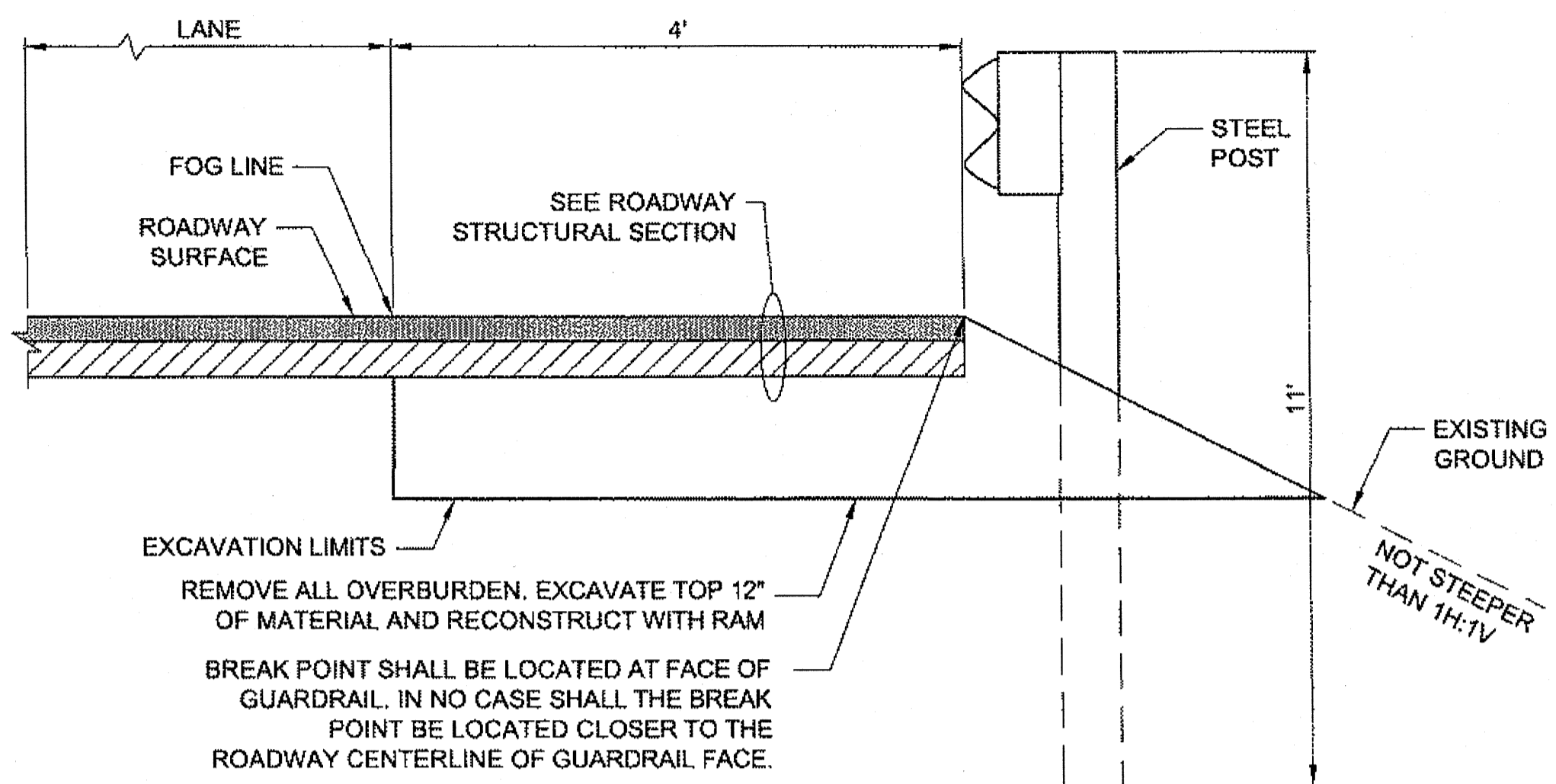
1. CONSTRUCT SHOULDERS WITH RAM AS SHOWN PRIOR TO PULVERIZING ACTIVITIES IN ORDER TO CONSTRUCT THE CURB & GUTTER SIDEWALK, AND THE CRUSHED ASPHALT BASE COURSE (CABC) FULL WIDTH OF ROADWAY.
2. SHOULDER EXCAVATION IS ANTICIPATED TO BE A DEPTH OF 12". THE ENGINEER MAY INCREASE OR DECREASE THE DEPTH OF EXCAVATION TO A SUITABLE FOUNDATION MATERIAL.
3. PULVERIZING DEPTH SHALL BE THE FULL DEPTH OF EXISTING PAVEMENT PER SECTION 308. PULVERIZING TO CONSTRUCT CABC SHALL BE PAID FOR UNDER ITEM 308.
4. CONTRACTOR SHALL MAKE INITIAL PASS THEN ADD AGGREGATE FOR CABC, IF REQUIRED, TO MEET A SMOOTH AND UNIFORM GRADE. THE ENGINEER SHALL APPROVE GRADE, PRIOR TO MIXING OIL AND CEMENT IN SECOND PASS.
5. THE LIMITS OF PULVERIZING SHALL BE AS CLOSE TO THE FACE OF GUARDRAIL AS POSSIBLE. ACTUAL CRUSHED ASPHALT BASE COURSE LIMITS SHALL BE DETERMINED BY THE ENGINEER.
6. LINEAR GRADING SHALL CONSIST OF GRADING, SHAPING, AND COMPACTING THE CRUSHED ASPHALT BASE MATERIAL AS SHOWN ON THE TYPICAL SECTION. SEE SECTION 303 OF THE SPECIAL PROVISIONS.
7. DOT&PF IS MAKING ITS STOCKPILED RAM LOCATED AT THE INTERSECTION OF EGAN AND MENDENHALL LOOP AVAILABLE FOR CONTRACTOR USE ON THE PROJECT. STOCKPILED RAM MAY BE USED FOR:
 - * AGGREGATE FOR CABC
 - * CRUSHED AGGREGATE BASE
 - * LINEAR GRADING
 - * SHOULDER RECONSTRUCTION
8. WHERE ROCK EXCAVATION IS REQUIRED, FLUFF BLAST ROADWAY STRUCTURAL SECTION TO A DEPTH MATCHING THE DITCH BOTTOM TO FACILITATE DRAINAGE.
9. THE EXISTING PAVEMENT VARIES BETWEEN 4.8" TO 6" THICK. ACTUAL PAVEMENT DEPTH MAY BE GREATER AT LOCATIONS OF MAINTENANCE PATCHES. CORES WERE DRILLED AT THE FOLLOWING LOCATIONS:

EXISTING ASPHALT THICKNESS					
TEST HOLE NO.	LOCATION	THICKNESS (IN)	TEST HOLE NO.	LOCATION	THICKNESS (IN)
11-01	10+60, 6' LT	5.4	11-13	137+80, 6' LT	6.0
11-02	21+20, 6' LT	5.4	11-16	169+60, 6' LT	1.8
11-03	31+80, 6' LT	5.4	11-17	180+20, 6' LT	5.4
11-04	42+40, 6' LT	6.0	11-18	190+80, 6' LT	6.0
11-08	84+80, 6' LT	6.0	11-19	201+40, 6' LT	5.4
11-09	95+40, 6' LT	5.4	11-20	212+00, 6' LT	4.8
11-10	106+00, 6' LT	6.0	11-21	222+60, 6' LT	6.0
11-11	116+60, 6' LT	5.4	11-22	223+20, 6' LT	5.4
11-12	127+20, 6' LT	5.4	11-23	242+00, 6' LT	6.0

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

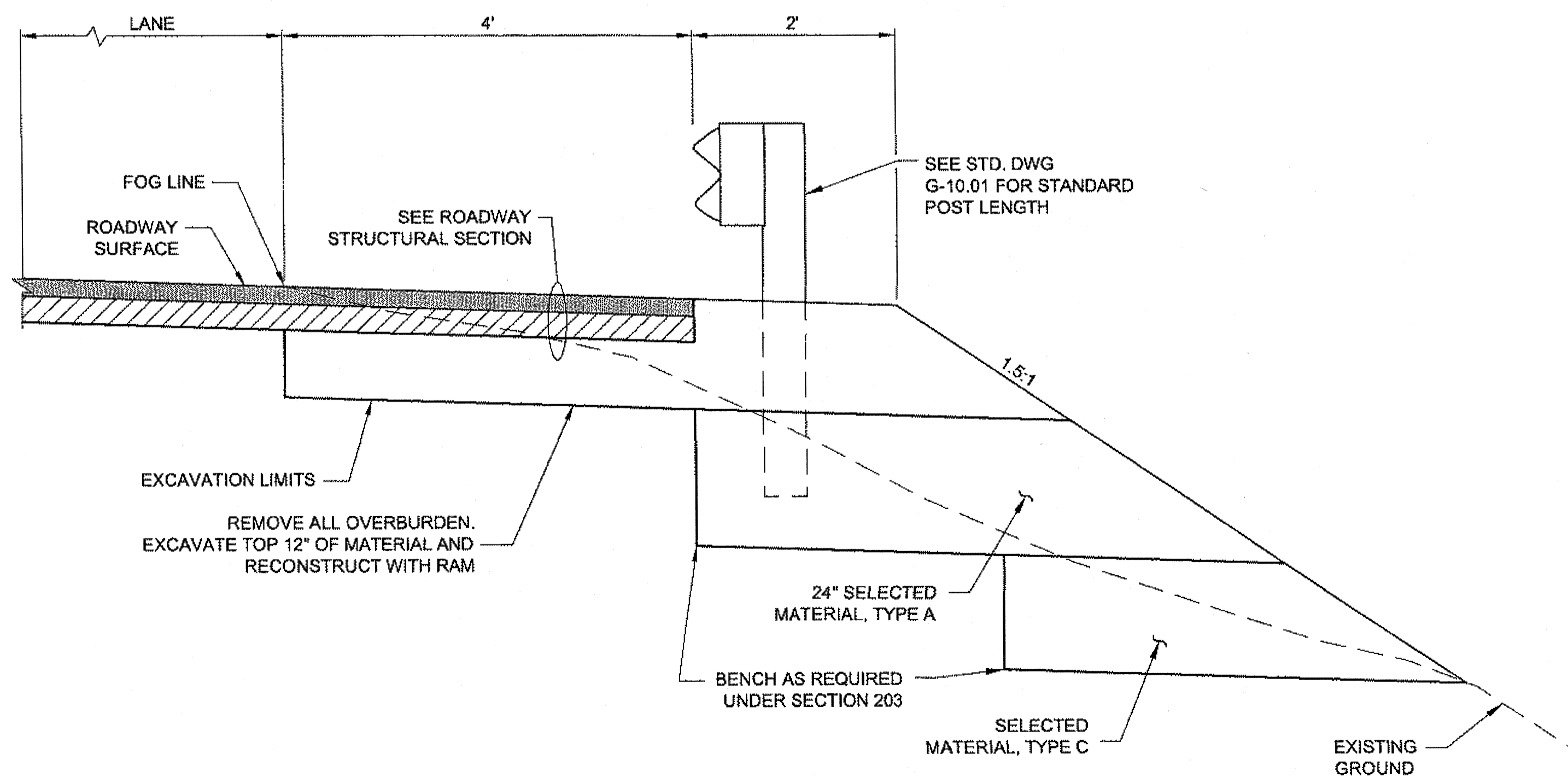
CHECKED BY: D. LESTER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340	
PATH: Q:\JNU\69340\PLANSET\69340_B1-B3-06_TYP.DWG TAB: B1 Monday, August 22, 2011 11:26:41 AM GRANTHAM, RICK L (DOT)		TYPICAL SECTION	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69340	YEAR SHEET NO. TOTAL SHEETS 2011 B1 63

JSK 1/15/14
6 of 66



LONG POST GUARDRAIL DETAIL

REFER TO SUMMARY TABLE, SHEET D5, AND PLANS FOR LOCATIONS TO INSTALL LONG POSTS. ALL HARDWARE AND GUARDRAIL ELEMENTS ARE IDENTICAL TO NORMAL GUARDRAIL INSTALLATION WITH THE EXCEPTION OF USING LONGER POSTS.

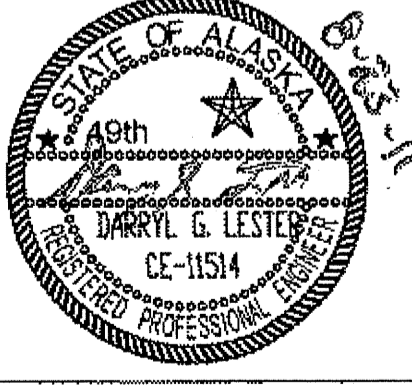


NORMAL GUARDRAIL AND SLOPE MODIFICATION

SEE TABLE - SHEET D5

JSK
1/15/14
7 of 66

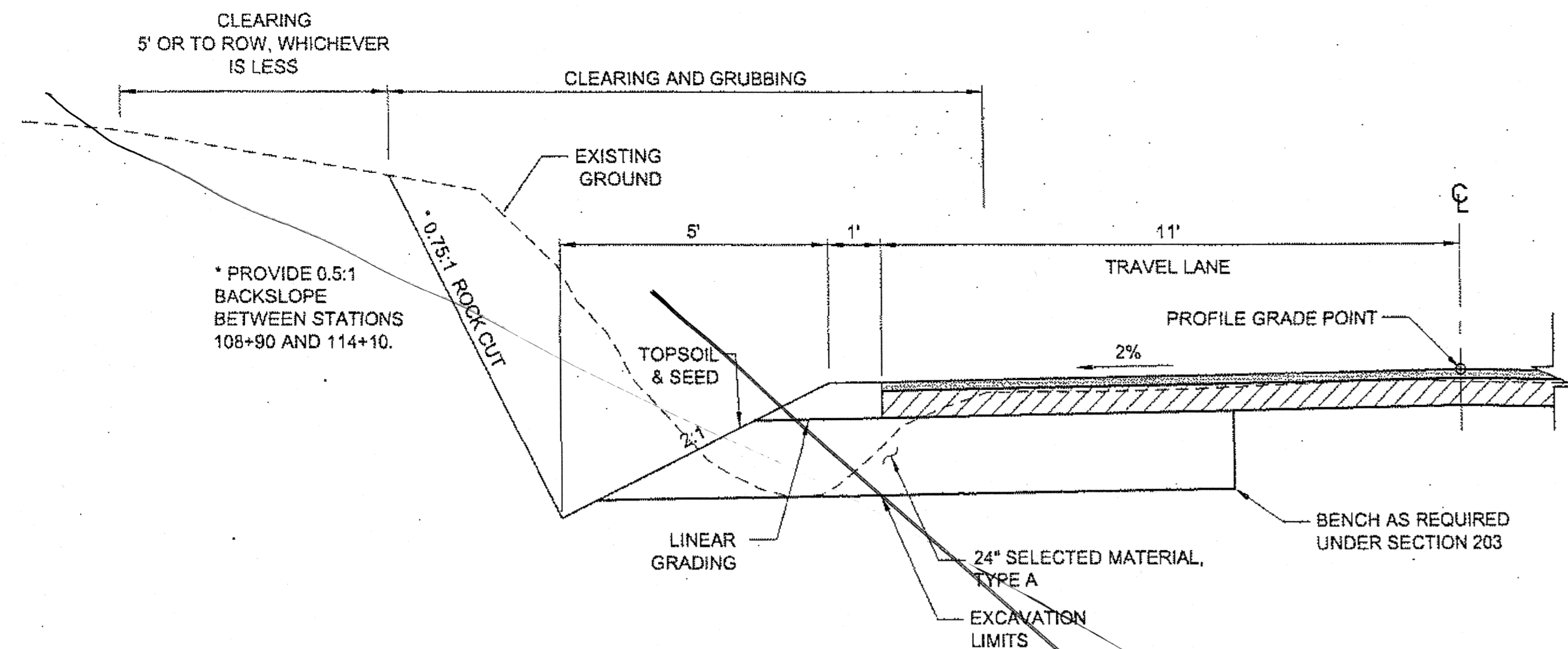
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340									
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		TYPICAL SECTION									
PATH: Q:\JNU\69340\PLANS\T\69340_B1-B3-B5_TYP.DWG TAB: B2 Monday, August 22, 2011 11:28:48 AM GRANTHAM, RICK L (DOT)		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS						
<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION				69340	2011	B2	63
NO.	DATE	DESCRIPTION									

NOTE (SHEETS B3 & B4):
SEE DITCH WIDENING DETAIL, SHEET J2,
FOR SLOPES AT CULVERT REPLACEMENTS.

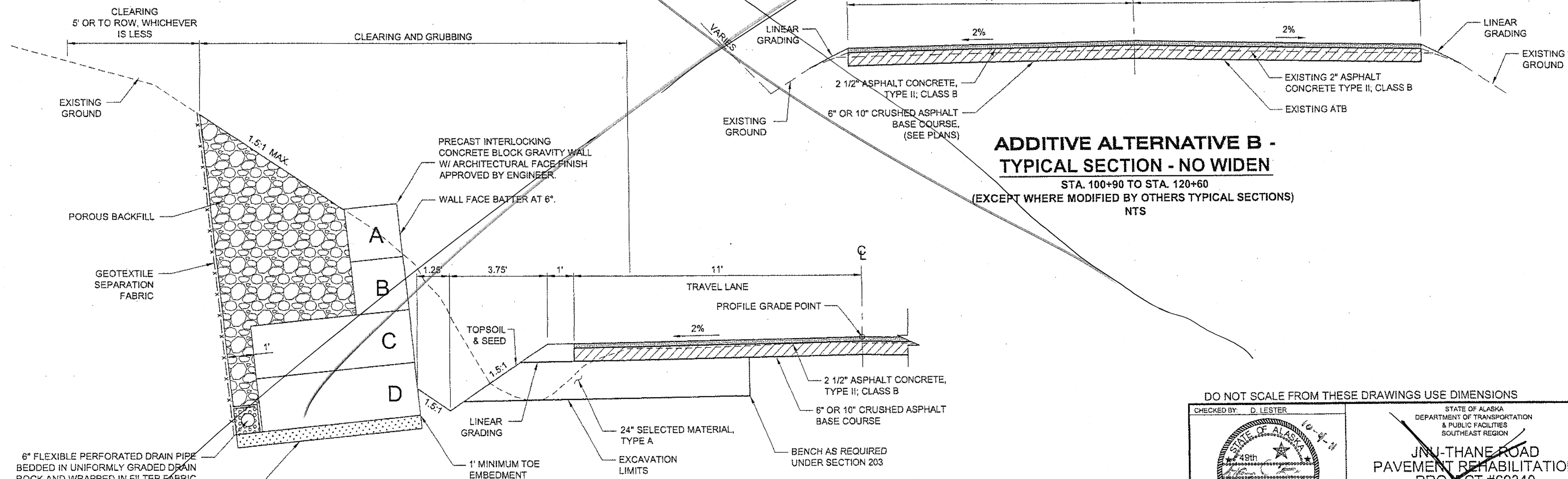
Addendum No. 3
Attachment No. 3

NOT USED



**ADDITIVE ALTERNATIVE B -
LEFT ROCK CUT TYPICAL**

STA. 102+10 TO 105+90
STA. 108+50 TO 115+25



**ADDITIVE ALTERNATIVE B -
LEFT SOIL CUT - WALL TYPICAL**


STA. 105+85 TO 106+15
STA. 107+00 TO 107+35
STA. 107+70 TO 108+55

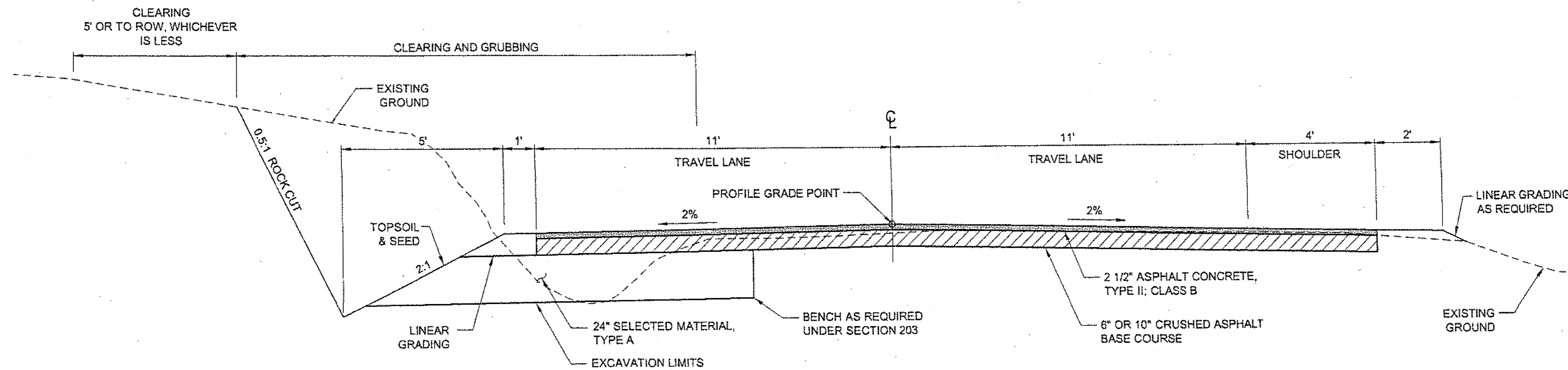
WALL NOTE:
PROVIDE THE FOLLOWING WALL
CONFIGURATION BASED ON WALL HEIGHT:
≤ 2': A
2' TO 4': A & B
4' TO 6': A, B, & C
6' TO 8': A, B, C, & D

**ADDITIVE ALTERNATIVE B -
TYPICAL SECTION - NO WIDEN**

STA. 100+90 TO STA. 120+60
(EXCEPT WHERE MODIFIED BY OTHERS TYPICAL SECTIONS)
NTS

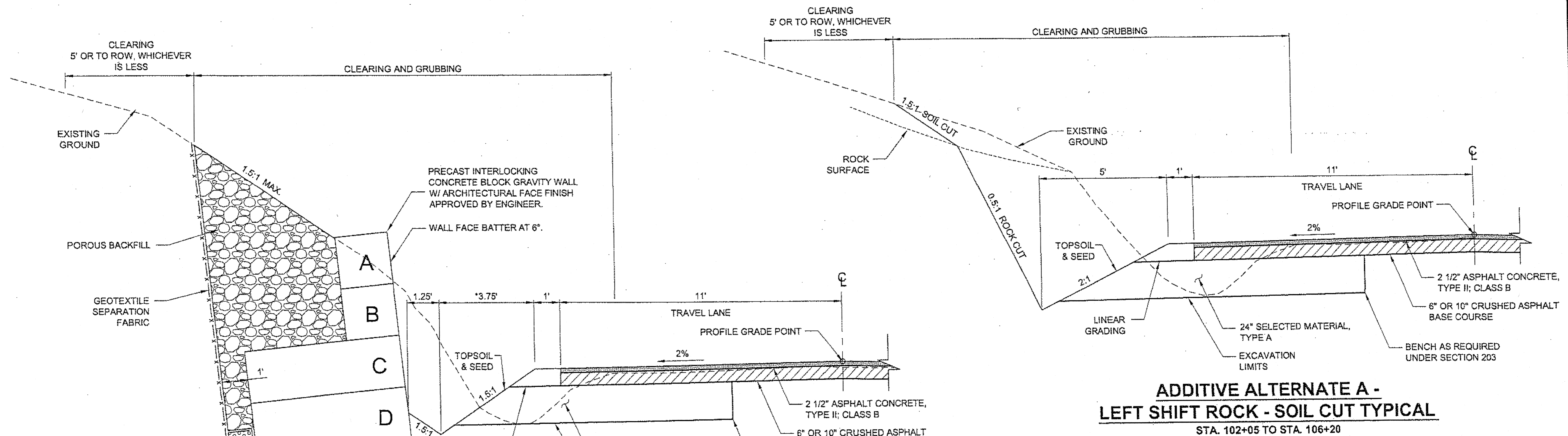
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JUNI-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340	
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		ADDITIVE ALTERNATIVE B TYPICAL SECTION	
PATH: Q:\UNU\69340\PLANSET\69340_B1-B3\69_TYP.DWG TAB: B3 Tuesday, October 04, 2011 7:56:55 AM		GEARY, NATE (DOT)	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69340	YEAR 2011
		SHEET NO. B3	TOTAL SHEETS 63



ADDITIVE ALTERNATE A - LEFT SHIFT ROCK CUT TYPICAL

STA. 106+45 TO STA. 114+50
(EXCEPT WHERE MODIFIED BY OTHER TYPICAL SECTIONS)



ADDITIVE ALTERNATE A - LEFT SHIFT ROCK - SOIL CUT TYPICAL

STA. 102+05 TO STA. 106+20

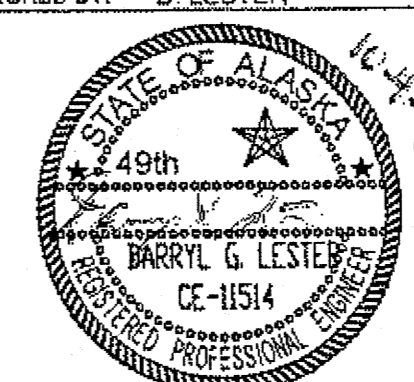
ADDITIVE ALTERNATE A - LEFT SHIFT SOIL CUT - WALL TYPICAL

STA. 100+90 TO STA. 102+05
STA. 106+17 TO STA. 106+45
STA. 106+95 TO STA. 107+45
STA. 107+70 TO STA. 108+50

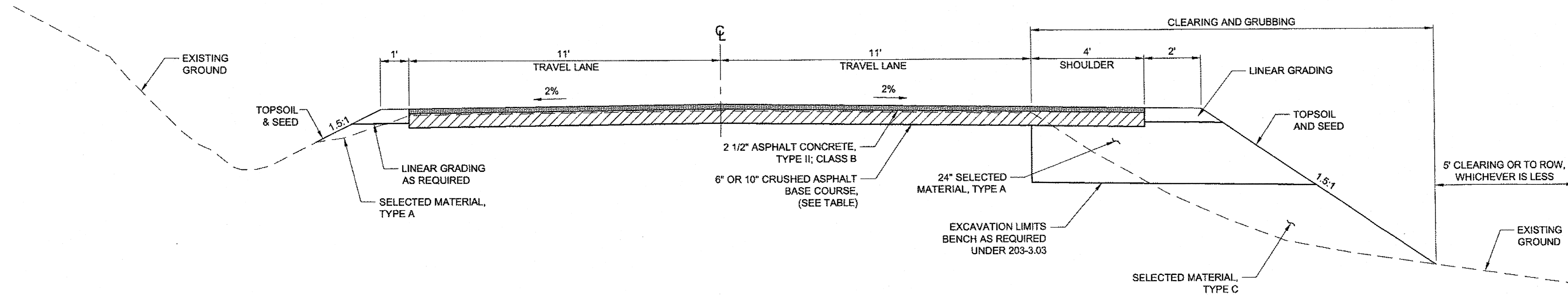
*SEE DITCH WIDENING TABLE, SHEET J2, FOR FORESLOPE WIDENING AT CULVERT REPLACEMENTS.

WALL NOTE:
PROVIDE THE FOLLOWING WALL CONFIGURATION BASED ON WALL HEIGHT:
≤ 2': A
2' TO 4': A & B
4' TO 6': A, B, & C
6' TO 8': A, B, C, & D

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340	
PATH: Q:\JNU\69340\PLANSET\69340_B4-B5_TYP.DWG TAB: B4 Tuesday, October 04, 2011 1:37:35 PM		ADDITIVE ALTERNATE A TYPICAL SECTION	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69340	YEAR 2011
		SHEET NO. B4	TOTAL SHEETS 63

9 of 66

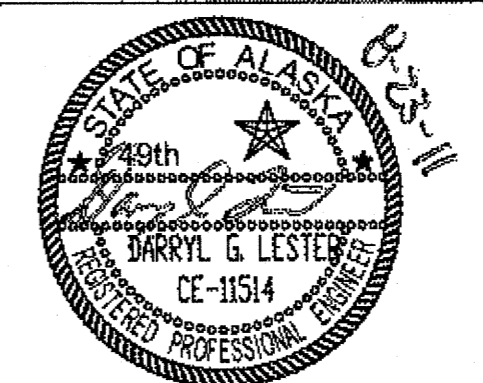


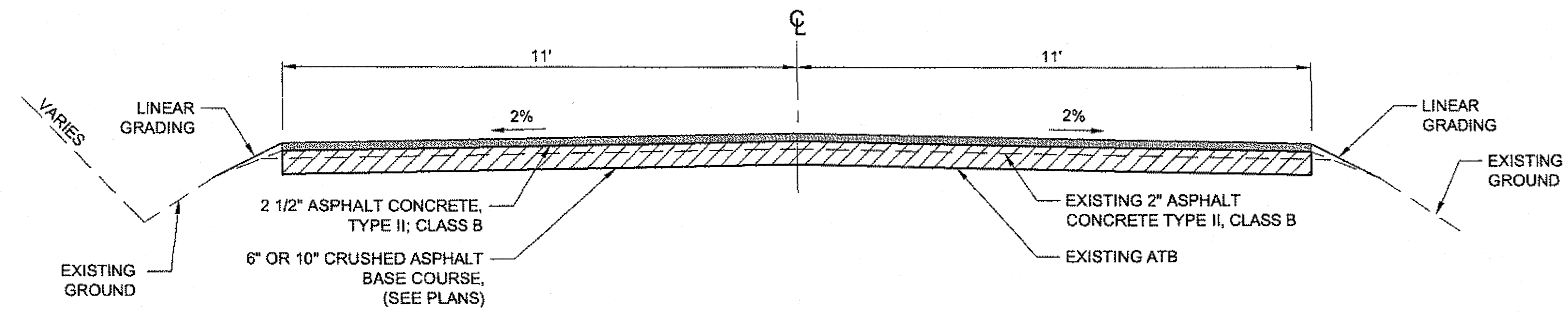
ADDITIVE ALTERNATE A - RIGHT SHOULDER WIDENING

STA. 114+50 TO STA. 120+60

JSK 1/15/14
10 of 66

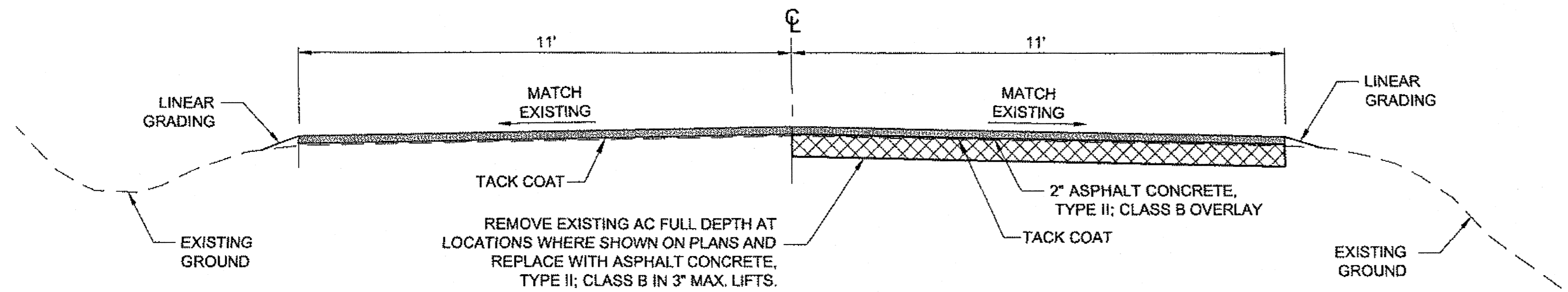
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER  DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340 ADDITIVE ALTERNATE A TYPICAL SECTION			
PATH: Q:\JNU\69340\PLANSET\ALT-A\69340_B4-B5_TYP.DWG TAB: B5 Tuesday, August 30, 2011 11:42:06 AM GRANTHAM, RICK L (DOT)		PROJECT DESIGNATION 69340	YEAR 2011	SHEET NO. B5	TOTAL SHEETS 63



TYPICAL SECTION - NO WIDEN

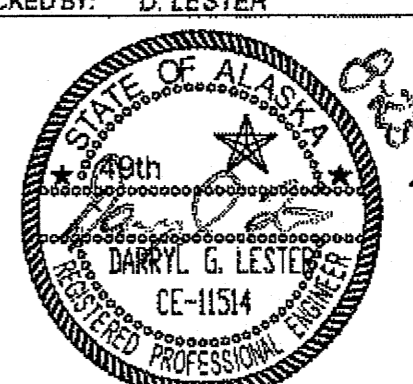
STA. 120+60 TO STA. 147+00
NTS



STA. 164+71 TO STA. 244+02

NTS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340		
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		TYPICAL SECTION		
PATH: Q:\JNU\69340\PLANSET\69340_B1-B3-B6_TYP.DWG TAB: B6 Monday, August 22, 2011 11:27:42 AM GRANHAM, RICK L (DOT)		PROJECT DESIGNATION 69340	YEAR 2011	
NO.	DATE	REVISIONS DESCRIPTION	SHEET NO. B6	TOTAL SHEETS 63

JSK 1/15/14
11 of 66

BASIC BID - ESTIMATE OF QUANTITIES			
ITEM NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201 (3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
202 (2)	REMOVAL OF PAVEMENT	SQUARE YARD	28
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	2,330
202 (9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	40
202 (10)	SINGLE MAIL BOX INSTALLATION	EACH	29
202 (11)	MULTIPLE MAIL BOX INSTALLATION	EACH	6
202 (12)	DOUBLE MAIL BOX INSTALLATION	EACH	5
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	5,171
203 (6A)	BORROW TYPE A	TON	1,986
203 (6C)	BORROW TYPE C	TON	782
303 (3)	LINEAR GRADING	STATION	347
303 (4)	DITCH RECONDITIONING	LINEAR FOOT	625
308 (1A)	CRUSHED ASPHALT BASE COURSE - 6" DEPTH	SQUARE YARD	18,377
308 (1B)	CRUSHED ASPHALT BASE COURSE - 10" DEPTH	SQUARE YARD	7,706
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	TON	323
308 (3)	PORTLAND CEMENT	TON	406
308 (4)	AGGREGATE FOR CABG	TON	1,304
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	7,468
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	448
401 (6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
401(10)	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	10
408 (1)	PAVEMENT COLD PLANING	SQUARE YARD	2,856
603 (1)-24	24 INCH CSP	LINEAR FOOT	59
603 (1)-30	30 INCH CSP	LINEAR FOOT	6
603 (1)-36	36 INCH CSP	LINEAR FOOT	46
603 (9)-36	36 INCH CORRUGATED ALUMINUM PIPE	LINEAR FOOT	16
603 (9)-48	48 INCH CORRUGATED ALUMINUM PIPE	LINEAR FOOT	61
603 (21)-12	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	23
603 (21)-18	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	96
603 (21)-24	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	2,095
603 (21)-36	36 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	46
604 (5)	INLET, TYPE A	EACH	2
606 (1)	W-BEAM GUARDRAIL	LINEAR FOOT	1,285
606 (6)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	2,343
606 (13)	PARALLEL GUARDRAIL TERMINAL	EACH	6
606 (15)	DOWNSTREAM END ANCHOR	EACH	5
608(3)	ASPHALT SIDEWALK	SQUARE YARD	356
609 (2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	643
611 (3)	RIPRAP, CLASS I	SQUARE YARD	68
615 (1)	STANDARD SIGN	SQUARE FOOT	274
615 (2)	REMOVE AND RELOCATE EXISTING SIGN	EACH	2
618 (1)	SEEDING	ACRE	1
620 (1)	TOPSOIL	SQUARE YARD	3,630

*Quantities include additive alternate A.

BASIC BID - ESTIMATE OF QUANTITIES			
630 (2)	GEOTEXTILE, STABILIZATION	SQUARE YARD	907.0
632 (1)	PAVING FABRIC	SQUARE YARD	146.0
633 (2)	SEDIMENT BARRIER	LINEAR FOOT	879
639 (3)	DRIVEWAY	EACH	71
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641 (1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641 (3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
641 (4)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ADDITIVES	CONTINGENT SUM	ALL REQUIRED
641 (6)	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642 (4)	SET PRIMARY MONUMENT	EACH	23
642 (10)	MONUMENT CASE	EACH	23
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643 (15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED
643 (23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
643 (25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
644 (6)	VEHICLES	LUMP SUM	ALL REQUIRED
651 (1)	EAGLE MONITORING	HOUR	60
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
670 (8)	RECESSED PAVEMENT MARKER	EACH	230

monuments installed by others

BASIC BID - BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
201 (3B)	CLEARING AND GRUBBING	2.7 ACRES
203 (3)	UNCLASSIFIED EXCAVATION	
	SHOULDER EXCAVATION (WASTE)	2653 CY
	SOIL EXCAVATION	2596 CY
203 (6A)	BORROW TYPE A	1.7 TON/CY COMPACTED IN-PLACE (ESTIMATED 1,986 TONS TOTAL TYPE A)
203 (6C)	BORROW TYPE C	1.7 TON/CY COMPACTED IN-PLACE (ESTIMATED 782 TONS TOTAL TYPE C)
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	2.5 GAL/SY (6" DEPTH), 4.2 GAL/SY (10" DEPTH)
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	243 GAL/TON
308 (3)	PORTLAND CEMENT	6.8 LBS/SY (6" DEPTH), 11.3 LBS/SY (10" DEPTH)
308 (4)	AGGREGATE FOR CABG	5 TONS/100 SY CABG
	4" BASE COURSE FOR SIDEWALK	80 CY, 1.95 TON/CY
	RAM FOR SHOULDER RECONSTRUCTION	3180 CY (1.96 TON/CY) ← was not included in quantity on bid schedule.
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	120 LBS/SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	6.0% OF ITEM 401(1)
402 (1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY, (243 GAL/TON)

UTILITY COMPANY POINTS OF CONTACT			
"CALL BEFORE YOU DIG 586-1333"			
ELECTRIC	ALASKA ELECTRIC LIGHT & POWER CO. (AEL&P)	DARRELL WETHERALL	463-6316
TELEPHONE	ALASKA COMMUNICATION SYSTEMS (ACS)	MONTY WILLIAMS	463-8987
SEWER	CITY AND BOROUGH OF JUNEAU	TOM TREGO	790-2525 EXT 35
WATER	CITY AND BOROUGH OF JUNEAU	DAVE CRABTREE	780-6808
CABLE	GCI	GREG FARMER	463-1434

GENERAL NOTES:

- THE INFORMATION CONTAINED IN THESE PLANS HAS BEEN DEVELOPED FROM A COMBINATION OF FIELD SURVEY, AS-BUILTS, AND FIELD INVESTIGATION. THEY HAVE BEEN MADE AS COMPLETE AND ACCURATE AS POSSIBLE.
- EXISTING FEATURES AND UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

12 of 66
JSK 4/8/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

JNU-THANE ROAD
PAVEMENT REHABILITATION
PROJECT #69340

ESTIMATE OF QUANTITIES

DESIGNED BY: D. MULLINER, D. LESTER
DRAWN BY: R. GRANTHAM

PATH: Q:\JNU\69340\PLANS\69340_C1-C2_ESTIMATE.DWG
TAB: C1 Tuesday, October 04, 2011 11:58:17 AM KARPSTEIN, KEITH D (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	69340	2011	C1	63

ADDITIVE ALTERNATE A - ESTIMATE OF QUANTITIES

ITEM NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201 (3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	567
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	3664
203 (6A)	BORROW TYPE A	TON	0
203 (6C)	BORROW TYPE C	TON	1236
203(10)	CONTROLLED BLASTING	LINEAR FOOT	1220
303 (3)	LINEAR GRADING	STATION	43
308 (1A)	CRUSHED ASPHALT BASE COURSE - 6" DEPTH	SQUARE YARD	5681
308 (1B)	CRUSHED ASPHALT BASE COURSE - 10" DEPTH	SQUARE YARD	4276
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	TON	81
308 (3)	PORTLAND CEMENT	TON	27
308 (4)	AGGREGATE FOR CABG	TON	348
401 (1)	ASPHALT CONCRETE, TYPE II; CLASS B	TON	913
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	55
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	1
530 (1)	GRAVITY BLOCK WALL	SQUARE FOOT	1450
603 (1)-24	24 INCH CSP	LINEAR FOOT	27
603 (1)-30	30 INCH CSP	LINEAR FOOT	42
603 (1)-36	36 INCH CSP	LINEAR FOOT	44
603 (9)-24	24 INCH CORRUGATED ALUMINUM PIPE	LINEAR FOOT	10
603 (21)-24	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	606
603 (21)-30	30 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	50
605 (6)	6 INCH PERFORATED CORRUGATED PE PIPE FOR UNDERDRAIN	LINEAR FOOT	293.4
606 (1)	W-BEAM GUARDRAIL	LINEAR FOOT	4307
606 (5)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	1137
606 (15)	DOWNSTREAM END ANCHOR	EACH	1
611 (3)	RIPRAP, CLASS I	SQUARE YARD	26
615 (1)	STANDARD SIGN	SQUARE FOOT	14
618 (1)	SEEDING	ACRE	0.25
620 (1)	TOPSOIL	SQUARE YARD	4210
630 (2)	GEOTEXTILE, STABILIZATION	SQUARE YARD	1111
633 (2)	SEDIMENT BARRIER	LINEAR FOOT	621
639 (3)	DRIVEWAY	EACH	2
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641 (1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATIVE	LUMP SUM	ALL REQUIRED
641 (3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642 (4)	SET PRIMARY MONUMENT	EACH	2
642 (10)	MONUMENT CASE	EACH	2
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
651 (1)	EAGLE MONITORING	HOURLY	240
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
670 (6)	RECESSED PAVEMENT MARKER	EACH	30

* Final Quantities Sheet C1

ADDITIVE ALTERNATE B - ESTIMATE OF QUANTITIES

ITEM NO	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201 (3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	567
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	3664
203 (6A)	BORROW TYPE A	TON	0
203 (6C)	BORROW TYPE C	TON	1236
203(10)	CONTROLLED BLASTING	LINEAR FOOT	1220
303 (3)	LINEAR GRADING	STATION	43
308 (1A)	CRUSHED ASPHALT BASE COURSE - 6" DEPTH	SQUARE YARD	4223
308 (1B)	CRUSHED ASPHALT BASE COURSE - 10" DEPTH	SQUARE YARD	1095
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	TON	62
308 (3)	PORTLAND CEMENT	TON	21
308 (4)	AGGREGATE FOR CABG	TON	265
401 (1)	ASPHALT CONCRETE, TYPE II; CLASS B	TON	819
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	49
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	1
530 (1)	GRAVITY BLOCK WALL	SQUARE FOOT	645
603 (1)-24	24 INCH CSP	LINEAR FOOT	25
603 (1)-30	30 INCH CSP	LINEAR FOOT	7
603 (1)-36	36 INCH CSP	LINEAR FOOT	10
603 (9)-24	24 INCH CORRUGATED ALUMINUM PIPE	LINEAR FOOT	6
603 (21)-24	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	486
603 (21)-30	30 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	45
605 (6)	6 INCH PERFORATED CORRUGATED PE PIPE FOR UNDERDRAIN	LINEAR FOOT	150
606 (1)	W-BEAM GUARDRAIL	LINEAR FOOT	1307
606 (5)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	1137
606 (15)	DOWNSTREAM END ANCHOR	EACH	1
611 (3)	RIPRAP, CLASS I	SQUARE YARD	33
615 (1)	STANDARD SIGN	SQUARE FOOT	14
618 (1)	SEEDING	ACRE	0.25
620 (1)	TOPSOIL	SQUARE YARD	1210
630 (2)	GEOTEXTILE, STABILIZATION	SQUARE YARD	1111
633 (2)	SEDIMENT BARRIER	LINEAR FOOT	621
639 (3)	DRIVEWAY	EACH	2
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641 (1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATIVE	LUMP SUM	ALL REQUIRED
641 (3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642 (4)	SET PRIMARY MONUMENT	EACH	2
642 (10)	MONUMENT CASE	EACH	2
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
651 (1)	EAGLE MONITORING	HOURLY	240
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
670 (6)	RECESSED PAVEMENT MARKER	EACH	30

NOTE:

ADDITIVE ALTERNATIVE A WILL GENERATE ADDITIONAL ROCK EXCAVATION THAT SHALL BE USED AS BORROW, TYPE A FOR THE BASE BID. THIS WILL GENERATE A DEDUCTION IN BORROW, TYPE A QUANTITY INDICATED IN THE BASE BID.

used as select material type C.

New Items Added by Change Order

Item No	Item Name	Unit	Quantity
203(019)	Storm Damage Repairs	L.S.	All Required
203(900)	Rock Chipping	C.S	All Required
203(901)	Overburden Stabilization	C.S.	All Required
603(900)	P-9 Extra Work	C.S.	All Required
603(901)	Flowable Backfill	C.S.	All Required
603(902)	Subexcavate Rock for Culvert	C.S.	All Required
606(900)	Guardrail End Terminal Change	C.S.	All Required
611(901)	Rock for Erosion Control	C.S.	All Required

*JSK 4/8/14
13 of 66*


ADDITIVE ALTERNATIVE A - BASIS OF ESTIMATE

ITEM NO.	ITEM	ESTIMATING FACTOR
201 (3B)	CLEARING AND GRUBBING	1.94 ACRES
203 (3)	UNCLASSIFIED EXCAVATION	
	SOIL EXCAVATION	1777 CY
	ROCK EXCAVATION (USABLE)	1887 CY (PLUS 15% SWELL FACTOR = 2170 CY) (USABLE FOR TYPE A)
203 (6A)	BORROW TYPE A	1.7 TON/CY COMPACTED IN-PLACE (ESTIMATED 2953 TONS TYPE A)
203 (6C)	BORROW TYPE C	1.7 TON/CY COMPACTED IN-PLACE (ESTIMATED 1236 TONS TYPE C)
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	2.5 GAL/SY (6" DEPTH), 4.2 GAL/SY (10" DEPTH)
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	243 GAL/TON
308 (3)	PORTLAND CEMENT	6.8 LBS/SY (6" DEPTH), 11.3 LBS/SY (10" DEPTH)
308 (4)	AGGREGATE FOR CABG	5 TONS/100 SY CABG
401 (1)	ASPHALT CONCRETE, TYPE II; CLASS B	120 LBS/SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	6.0% OF ITEM 401(1)
402 (1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY, (243 GAL/TON)

ADDITIVE ALTERNATIVE B - BASIS OF ESTIMATE

ITEM NO.	ITEM	ESTIMATING FACTOR
201 (3B)	CLEARING AND GRUBBING	1.04 ACRES
203 (3)	UNCLASSIFIED EXCAVATION	
	SOIL EXCAVATION	262 CY
	ROCK EXCAVATION (USABLE)	525 CY (PLUS 15% SWELL FACTOR = 604 CY) (USABLE FOR TYPE A)
203 (6A)	BORROW TYPE A	1.7 TON/CY COMPACTED IN-PLACE (ESTIMATED 1216 TONS TOTAL TYPE A)
203 (6C)	BORROW TYPE C	1.7 TON/CY COMPACTED IN-PLACE (ESTIMATED 0 TONS TOTAL TYPE C)
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	2.5 GAL/SY (6" DEPTH), 4.2 GAL/SY (10" DEPTH)
308 (2)	CSS-1 ASPHALT FOR BASE COURSE	243 GAL/TON
308 (3)	PORTLAND CEMENT	6.8 LBS/SY (6" DEPTH), 11.3 LBS/SY (10" DEPTH)
308 (4)	AGGREGATE FOR CABG	5 TONS/100 SY CABG
401 (1)	ASPHALT CONCRETE, TYPE II; CLASS B	120 LBS/SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	6.0% OF ITEM 401(1)
402 (1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY, (243 GAL/TON)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

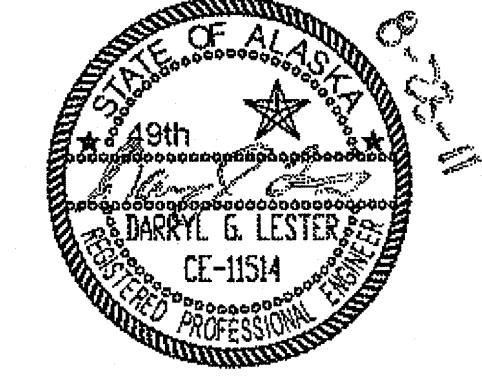
CHECKED BY: D. LESTER		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340	
		ADDITIVE ALTERNATIVE A ESTIMATE OF QUANTITIES	
DESIGNED BY: D. MULLINER, D. LESTER		KARPSTEIN, KEITH D (DOT)	
DRAWN BY: R. GRANTHAM		PROJECT DESIGNATION	
PATH: Q:\JNU\69340\PLANSET\69340_C1-C2_ESTIMATE.DWG		YEAR	SHEET NO.
TAB: C2 Tuesday, October 04, 2011 12:13:07 PM		69340	2011 C2
REVISIONS		TOTAL SHEETS	
NO.	DATE	DESCRIPTION	63

202 (4) REMOVAL OF CULVERT PIPE					
STATION	OFFSET		DIAMETER (IN)	LENGTH (FT)	REMARKS
	LEFT	RIGHT			
4+85	16	30	24	48	
6+01	16	24	24	40	
19+69	11 - 17		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
22+61	17	20	24	37	
23+43	19	24	36	43	
24+03	17	21	24	38	
24+83	17	32	24	49	
25+89	20	31	24	56	
27+24	19	29	24	48	
28+55	20	24	24	44	
29+38	17	24	24	41	
30+33	19	23	24	42	
32+27	18	30	24	48	
36+70	20	27	36	80	
37+08	18	25	24	43	
40+03	12 - 22		36	11	SAWCUT AND REMOVE 10.5' OF INLET END FOR REPAIR
42+79	16	28	24	44	
44+55	24	43	24	67	
78+92	13 - 19		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
85+40	22	26	24	48	
86+37	15 - 21		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
86+86	17	26	24	44	
87+43	17	27	24	44	
90+03	16	24	24	40	
90+88	15 - 21		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
92+50	20	24	24	44	
93+83	15 - 21		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
96+23	14 - 20		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
98+21	16 - 22		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
100+82	6 - 13		24	8	SAWCUT AND REMOVE 8' OF INLET. FILL REMAINDER OF PIPE. PAID FOR AS 55' OF CULVERT REMOVAL.
102+10	6 - 12		36	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
104+53	10	31	24	41	
105+15	7 - 13		30	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
106+31	7 - 13		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
106+80	13	28	24	41	
107+53	12	28	24	40	
109+50	10	34	24	44	
110+74	4 - 10		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
111+64	4 - 10		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
112+47	11	32	30	43	
114+55	14	29	24	42	

202 (4) REMOVAL OF CULVERT PIPE					
STATION	OFFSET		DIAMETER (IN)	LENGTH (FT)	REMARKS
	LEFT	RIGHT			
115+62		17 - 23	24	6	SAWCUT AND REMOVE 6' OF OUTLET END FOR REPAIR
116+52	16	24	24	40	
117+06	16	26	24	42	
118+00	18	22	24	40	
119+87	20	23	24	48	
120+27	17	19	24	36	
125+52	12 - 18		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
126+75	19	20	24	39	
127+56	21	22	36	44	
129+32	17	23	24	40	
130+29	17	23	24	40	
132+33	18	21	24	39	
132+71	17	27	24	44	
135+11	17	25	24	43	
137+76	17	25	24	43	
139+11	21	24	24	45	
140+16	19	21	24	41	
142+46	17	21	24	38	
168+53	24	50	24	74	
171+16	22	36	24	58	
172+79	27	33	24	60	
181+66	18	23	24	41	
182+79	19	25	24	44	
183+30	28 - 40		8	20	
188+14	22	27	24	50	
197+14	17	22	24	40	
199+53	17	23	24	40	
201+58	22	23	24	45	
203+23	16 - 22		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
206+46	16 - 22		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
211+86	19	23	18	42	
212+72	21	23	18	44	ACTIVE 1" PLASTIC WATERLINE THROUGH PIPE. SEE F24.
217+43	22	21	24	43	
229+35	21	25	18	46	
229+83	13 - 19		24	6	SAWCUT AND REMOVE 6' OF INLET END FOR REPAIR
236+42	25	41	18	68	
238+15	24	36	18	61	
240+36	18	19	18	37	
241+45	18	21	18	39	
242+47	20	24	24	44	

14 of 66
JSK 1/16/14

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION				
	JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340				
DESIGNED BY: D. MULLINER, D. LESTER	SUMMARIES				
DRAWN BY: R. GRANTHAM					
PATH: Q:\JNU\69340\PLANSET\69340_D1-D8_SUMS.DWG	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	
TAB: D1 Thursday, August 18, 2011 4:02:28 PM	69340	2011	D1	63	
NO.	DATE	DESCRIPTION			

202(10) SINGLE MAIL BOX INSTALLATION			
STATION	ADDRESS	OFFSET	REMARKS
165+75	4451	LT	INSTALLED ON WOOD FENCE
169+40	4545	LT	
172+70	4585	LT	
175+65	4660	RT	①
178+75	4708	RT	
179+75	4715	RT	①
181+80	4800	RT	
183+80	4825	LT	
184+50	4900	RT	
194+55	NO ADDRESS	LT	
196+90	5105	LT	
198+50	5121	LT	
201+80	5175	LT	①
207+10	5200	RT	①
208+15	LIPCHAK SHERBURNE	LT	
209+00	5282	RT	
215+55	5400	RT	①
220+10	5555	LT	①
222+35	5665	LT	
227+55	5735	LT	
231+10	5775	LT	
233+00	5810	RT	
234+00	5795	LT	
235+80	5805	LT	
237+35	5875	LT	
239+35	5955	LT	
240+20	6000	RT	①
241+35	5957	LT	INSTALLED ON WOOD STAIRS
242+30	5980	RT	

① Mailbox not replaced as requested by homeowner

202(11) MULTIPLE MAIL BOX INSTALLATION			
STATION	ADDRESS	OFFSET	REMARKS
190+55	4980, 5030, 5050 & 5080	RT	① BRAND NEW MAIL BOX INSTALLATION (MAY NOT NEED REPLACING)
199+50	5100, 5120, 5122, 5134 & 5200	RT	①
221+20	5490, 5524, 5550, 5610 & 5620	RT	① #5490 ALSO HAS A HOMEMADE +/- 3' X 3' X 3' WOOD MAIL BOX
225+85	5675A, 5675B, 5685 & 5690	LT	①
238+75	5870, 5880 & 5900	RT	PRESENT 3-SINGLE INSTALLATION MAIL BOXES, CHANGE TO THREE INSTALLATION
243+30	6005, 6085, 6095 & 6105	LT	

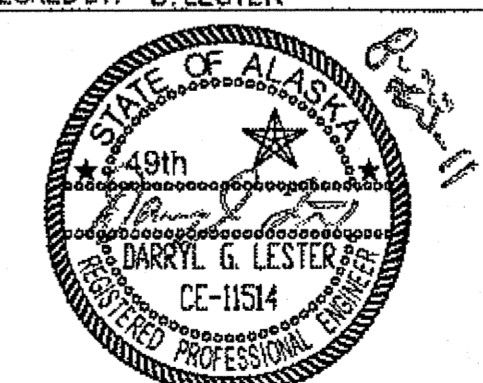
202(12) DOUBLE MAIL BOX INSTALLATION			
STATION	ADDRESS	OFFSET	REMARKS
173+50	4615 & 4655	LT	①
191+50	4895 & 4897	LT	
193+60	5025 & 5035	LT	PRESENT 2-SINGLE INSTALLATION MAIL BOXES, CHANGE TO DOUBLE INSTALLATION
209+70	5355 & 5405	LT	①
224+95	5670 & 5680	RT	

642(4) SET PRIMARY MONUMENT - 642(10) MONUMENT CASE		
STATION	OFFSET	REMARKS
9+00	10' LT	SHOULDER MONUMENT
18+50	13' RT	SHOULDER MONUMENT
29+64	10' LT	SHOULDER MONUMENT
41+00	13' RT	SHOULDER MONUMENT
45+70	10' LT	SHOULDER MONUMENT
55+50	10' LT	SHOULDER MONUMENT
70+25	10' LT	SHOULDER MONUMENT
83+50	10' RT	SHOULDER MONUMENT
85+25	10' LT	SHOULDER MONUMENT
97+75	13' RT	SHOULDER MONUMENT
106+00	13' RT	SHOULDER MONUMENT
113+00	15' RT	SHOULDER MONUMENT
121+85	10' LT	SHOULDER MONUMENT
127+75	10' RT	SHOULDER MONUMENT
136+75	10' RT	SHOULDER MONUMENT
145+00	10' RT	SHOULDER MONUMENT
172+75	10' RT	SHOULDER MONUMENT
179+75	10' LT	SHOULDER MONUMENT
187+50	10' LT	SHOULDER MONUMENT
195+50	10' LT	SHOULDER MONUMENT
202+25	10' LT	SHOULDER MONUMENT
206+50	10' RT	SHOULDER MONUMENT
214+50	10' LT	SHOULDER MONUMENT
230+85	10' LT	SHOULDER MONUMENT
243+75	10' RT	SHOULDER MONUMENT END OF PROJECT

NOTE: THE LOCATIONS OF THE PROPOSED CONTROL MONUMENTS ARE APPROXIMATE. SET PRIMARY MONUMENTS AND CASES IN THE PAVED SHOULDER IN LINE-OF-SIGHT WITH EACH OTHER. THE INTENT IS TO PROVIDE A MONUMENTED TRAVERSE LINE FOR THE PROJECT CORRIDOR.

JSK 4/9/14
15 of 66

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION				
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340				
PATH: Q:\JNU\69340\PLANSET\69340_D1-D9_SUMS.DWG TAB: D2 Thursday, August 18, 2011 4:02:40 PM		SUMMARIES GRANHAM, RICK L (DOT)				
NO.	DATE	REVISIONS DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69340	2011	D2	63

603 CULVERT INSTALLATION SUMMARY

Addendum No. 3
Attachment No. 5

PIPE	INLET			OUTLET			LENGTH (FT)	SIZE	REMARKS
	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
P-1	4+85.0	19.5 LEFT	65.5	4+85.0	S-1	64.2	38.0 34.7	24" CPP	
P-2	4+85.0	S-1	64.1	4+85.0	28.9 RIGHT	62.9	36.4 17.0	24" CPP	DO NOT INSTALL CULVERT BEYOND ROW
P-3	7+78.4	S-2	60.5	8+74.3	22.2 RIGHT	56.5	98.0 92.6	18" CPP	
P-4	9+68.5	28.3 RIGHT	53.6	10+03.1	20.8 LEFT	53.0	60.0 54.0	24" CPP	
P-5	19+69.0	17.1 LEFT	MATCH EXISTING	19+69.0	11.1 LEFT	MATCH EXISTING	8.0 53.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-6	22+60.9	17.1 LEFT	28.7	22+60.4	24.5 RIGHT	27.2	41.8 45.0	24" CPP	
P-7	23+44.6	19.4 LEFT	27.4	23+41.4	26.8 RIGHT	25.8	46.3 47.0	36" CSP	
P-8	24+02.0	17.5 LEFT	28.0	24+01.2	26.2 RIGHT	25.7	43.1 47.0	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION. KEEP OUTLET PROTECTION WITHIN EXISTING R.O.W.
P-9	24+92.2	17.4 LEFT	MATCH EXISTING	24+91.3	31.4 RIGHT	MATCH EXISTING	49.0 50.0	24" CPP	Lowered inlet end of pipe
P-10	25+90.2	20.1 LEFT	MATCH EXISTING	25+87.8	31.3 RIGHT	MATCH EXISTING	51.5 50.8	24" CPP	
P-11	27+24.5	18.8 LEFT	MATCH EXISTING	27+24.4	29.2 RIGHT	MATCH EXISTING	48.8 49.0	24" CPP	
P-12	28+54.4	19.5 LEFT	MATCH EXISTING	28+57.2	24.0 RIGHT	MATCH EXISTING	43.8 46.3	24" CPP	
P-13	29+37.9	17.1 LEFT	MATCH EXISTING	29+38.4	24.2 RIGHT	MATCH EXISTING	41.3 40.9	24" CPP	
P-14	30+32.9	19.0 LEFT	MATCH EXISTING	30+34.8	22.6 RIGHT	MATCH EXISTING	41.7 46.1	24" CPP	
P-15	32+26.3	17.6 LEFT	MATCH EXISTING	32+27.7	30.1 RIGHT	MATCH EXISTING	47.7 50.5	24" CPP	
P-16	36+87.6	20.2 LEFT	20.9	37+05.5	26.9 RIGHT	18.9	68.5 61.0	48" CAP	NEW INVERTS SET 1 FOOT BELOW EXISTING INVERTS. CLASS 1 RIPRAP SLOPE PROTECTION AT INLET. CULVERT SHALL BE 10 GAUGE WITH 3"X1" CORRUGATION.
P-17A	40+03.6	22.2 LEFT	MATCH EXISTING	40+03.6	11.7 LEFT	MATCH EXISTING	19.5 10.0	36" CAP	10" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-17B	40+01.9	22.8 RIGHT	MATCH EXISTING	40+01.7	28.5 RIGHT	19.9	57.6 0	36" CAP	EXTEND EXISTING OUTLET (MATCH EXISTING PIPE TYPE)
P-18	42+80.4	16.1 LEFT	MATCH EXISTING	42+76.4	27.5 RIGHT	MATCH EXISTING	43.8 49.8	24" CPP	
P-19	44+53.7	23.7 LEFT	MATCH EXISTING	44+56.7	43.1 RIGHT	MATCH EXISTING	67.0 68.1	24" CPP	
P-20	78+91.9	19.2 LEFT	MATCH EXISTING	78+92.1	13.2 LEFT	MATCH EXISTING	6.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-21	85+40.8	22.2 LEFT	MATCH EXISTING	85+40.6	25.6 RIGHT	MATCH EXISTING	42.8 49.6	24" CPP	
P-22	86+37.8	20.9 LEFT	MATCH EXISTING	86+37.4	15.0 LEFT	MATCH EXISTING	8.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-23	86+87.5	17.2 LEFT	MATCH EXISTING	86+84.3	26.3 RIGHT	MATCH EXISTING	43.8 46.0	24" CPP	
P-24	90+02.5	16.1 LEFT	MATCH EXISTING	90+01.9	24.1 RIGHT	MATCH EXISTING	40.2 41.0	24" CPP	
P-25	90+88.6	21.2 LEFT	MATCH EXISTING	90+87.7	15.3 LEFT	MATCH EXISTING	6.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-26	92+49.9	19.9 LEFT	MATCH EXISTING	92+49.5	26.8 RIGHT	51.3	46.8 47.1	24" CPP	TERMINATE OUTLET AT ROW
P-27	93+82.0	20.5 LEFT	MATCH EXISTING	93+82.5	14.8 LEFT	MATCH EXISTING	5.0 47.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-28	96+22.7	20.3 LEFT	MATCH EXISTING	96+22.1	14.4 LEFT	MATCH EXISTING	6.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-29	98+21.7	22.5 LEFT	MATCH EXISTING	98+20.7	16.9 LEFT	MATCH EXISTING	8.0 53.0	30" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-48	125+52.1	18.4 LEFT	MATCH EXISTING	125+51.7	12.4 LEFT	MATCH EXISTING	6.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-49	126+78.0	18.8 LEFT	MATCH EXISTING	126+72.8	21.5 RIGHT	90.0	46.7 40.8	24" CPP	
P-50	127+57.5	21.3 LEFT	MATCH EXISTING	127+54.7	24.4 RIGHT	87.7	45.8 46.0	36" CPP	
P-51	129+32.6	17.2 LEFT	MATCH EXISTING	129+31.7	23.9 RIGHT	85.9	41.4 40.0	24" CPP	
P-52	130+29.4	16.5 LEFT	MATCH EXISTING	130+30.9	23.5 RIGHT	MATCH EXISTING	40.1 40.0	24" CPP	
P-53	132+34.1	18.4 LEFT	MATCH EXISTING	132+32.2	20.5 RIGHT	MATCH EXISTING	39.1 40.0	24" CPP	
P-54	132+72.3	17.3 LEFT	MATCH EXISTING	132+68.3	26.5 RIGHT	MATCH EXISTING	44.1 42.0	24" CPP	
P-55	135+13.9	17.1 LEFT	MATCH EXISTING	135+07.4	24.9 RIGHT	MATCH EXISTING	42.8 43.0	24" CPP	
P-56	137+75.9	17.4 LEFT	MATCH EXISTING	137+75.7	25.5 RIGHT	MATCH EXISTING	43.0	24" CPP	
P-57	139+10.8	21.4 LEFT	MATCH EXISTING	139+10.8	23.6 RIGHT	MATCH EXISTING	45.0	24" CPP	
P-58	140+13.5	19.1 LEFT	MATCH EXISTING	140+18.1	21.2 RIGHT	MATCH EXISTING	40.6 40.3	24" CPP	
P-59	142+46.8	16.9 LEFT	MATCH EXISTING	142+44.1	21.0 RIGHT	MATCH EXISTING	38.1 40.0	24" CPP	
P-60	168+54.1	23.7 LEFT	MATCH EXISTING	168+52.0	50.3 RIGHT	MATCH EXISTING	74.0 76.0	24" CPP	
P-61	171+16.7	21.8 LEFT	MATCH EXISTING	171+13.8	35.6 RIGHT	MATCH EXISTING	52.2 60.0	24" CPP	
P-62	172+83.1	26.6 LEFT	MATCH EXISTING	172+74.7	32.9 RIGHT	MATCH EXISTING	50.2 58.1	24" CPP	
P-63	181+66.1	17.6 LEFT	MATCH EXISTING	181+66.3	23.5 RIGHT	MATCH EXISTING	41.0 40.6	24" CPP	
P-64	182+80.4	19.1 LEFT	MATCH EXISTING	182+77.0	25.2 RIGHT	MATCH EXISTING	44.8 45.6	24" CPP	
P-65	183+36.4	38.9 LEFT	87.0	183+17.9	25.4 LEFT	85.5	28.0 26.0	12" CPP	KEEP PIPE INLET WITHIN EXISTING R.O.W.
P-66	188+13.1	21.6 LEFT	MATCH EXISTING	188+14.1	27.5 RIGHT	MATCH EXISTING	49.5 50.6	24" CPP	
P-67	197+14.7	17.4 LEFT	MATCH EXISTING	197+13.3	22.3 RIGHT	MATCH EXISTING	38.8 40.6	24" CPP	
P-68	199+52.1	17.2 LEFT	MATCH EXISTING	199+53.2	22.7 RIGHT	MATCH EXISTING	39.8 40.6	24" CPP	
P-69	201+58.2	22.4 LEFT	MATCH EXISTING	201+58.2	22.6 RIGHT	MATCH EXISTING	45.0 46.2	24" CPP	
P-70	203+23.2	22.5 LEFT	MATCH EXISTING	203+23.2	16.5 LEFT	MATCH EXISTING	6.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-71	206+45.9	22.5 LEFT	MATCH EXISTING	206+45.8	16.5 LEFT	MATCH EXISTING	6.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-72	211+88.4	19.1 LEFT	MATCH EXISTING	211+84.1	22.6 RIGHT	MATCH EXISTING	42.0 39.3	24" CPP	
P-73	212+73.1	20.6 LEFT	MATCH EXISTING	212+71.4	23.4 RIGHT	MATCH EXISTING	44.2 45.0	24" CPP	
P-74	217+44.5	21.8 LEFT	MATCH EXISTING	217+41.9	21.0 RIGHT	MATCH EXISTING	43.1 44.0	24" CPP	
P-75	229+35.3	20.8 LEFT	MATCH EXISTING	229+35.3	24.8 RIGHT	MATCH EXISTING	45.6 47.4	24" CPP	
P-76	229+82.9	18.9 LEFT	MATCH EXISTING	229+82.8	12.9 LEFT	MATCH EXISTING	6.0	24" CSP	6" BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-77	236+38.6	24.8 LEFT	MATCH EXISTING	236+47.7	41.1 RIGHT	MATCH EXISTING	68.7 47.1	24" CPP	
P-78	238+13.0	23.7 LEFT	MATCH EXISTING	238+18.1	35.9 RIGHT	MATCH EXISTING	60.5 47.1	24" CPP	
P-79	240+37.2	17.9 LEFT	MATCH EXISTING	240+34.6	19.0 RIGHT	MATCH EXISTING	37.8 40.5	24" CPP	
P-80	241+47.0	18.0 LEFT	MATCH EXISTING	241+42.7	20.9 RIGHT	MATCH EXISTING	39.1 40.8	24" CPP	
P-81	242+50.8	19.5 LEFT	MATCH EXISTING	242+42.0	23.8 RIGHT	MATCH EXISTING	44.2 43.6	24" CPP	

Replaced Culvert

PIPE	INLET			OUTLET			LENGTH (FT)	SIZE	REMARKS
	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT			
P-27	93+81.97	20.5 LEFT	61.0	93+85.91	23.7 RIGHT	59.2	47.8	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION
P-29	98+21.73	22.5 LEFT	77.7	98+11.50	30.7 RIGHT	76.1	53.6	36" CPP	CLASS 1 RIPRAP OUTLET PROTECTION
P-38	110+74.0	16.7 LEFT	116.3	110+72.04	28.1 LEFT	MATCH EXISTING	48.2	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION
P-39	111+84.2	17.8 LEFT	115.3	111+83.40	29.5 LEFT	MATCH EXISTING	48.4	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION

PIPE AT STA 36+90 B.T. ADDED. THIS IS A DRIVEWAY. EXISTING PIPE RUINED DURING INSTALL OF P-16 and removal of EXISTING CROSS PIPE. TOTAL LENGTH 30.0 J.D. STOLPE

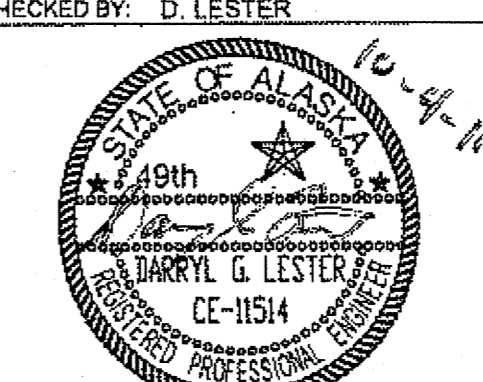
Replaced culvert

Replaced culvert

P-77, P-78, P-27, P-29, P-30
 ① Installed new culvert above existing. Existing culvert abandoned in place, filled with flowable backfill.
 Class 1 riprap outlet protection

JSK 4/9/14
16 of 66

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

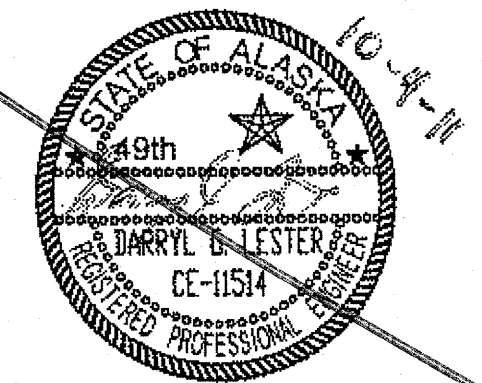
CHECKED BY: D. LESTER 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM	SUMMARIES
PATH: Q:\JNU\69340\PLANSET\69340_D1-08_SUMS.DWG TAB: D3 Tuesday, October 04, 2011 12:05:43 PM	KARPSTEIN, KEITH D (DOT)
REVISIONS NO. DATE DESCRIPTION	PROJECT DESIGNATION: 69340 YEAR: 2011 SHEET NO.: D3 TOTAL SHEETS: 63

ADDITIVE ALTERNATIVE B - 603 CULVERT INSTALLATION SUMMARY

PIPE	INLET			OUTLET			LENGTH (FT)	SIZE	REMARKS		
	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT					
P-30	100+84.7	17.7	LEFT	97.1	100+74.9	36.4	RIGHT	MATCH EXISTING	55.0	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION
P-31	102+11.3	19.7	LEFT	102.2	102+10.7	10.5	LEFT	MATCH EXISTING	9.3	36" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-32	104+54.7	16.9	LEFT	114.0	104+51.7	27.2	RIGHT	MATCH EXISTING	44.3	24" CPP	
P-33	105+17.4	17.5	LEFT	115.8	105+15.6	11.4	LEFT	MATCH EXISTING	6.4	30" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-34	106+30.7	18.3	LEFT	117.4	106+30.6	11.0	LEFT	MATCH EXISTING	7.3	24" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-35	106+79.8	18.8	LEFT	117.8	106+78.4	23.7	RIGHT	MATCH EXISTING	42.5	24" CPP	
P-36	107+55.4	17.5	LEFT	119.1	107+51.7	24.0	RIGHT	MATCH EXISTING	41.7	24" CPP	
P-37	109+50.9	16.7	LEFT	120.0	109+50.8	29.9	RIGHT	MATCH EXISTING	46.7	24" CPP	
P-38	110+73.5	16.7	LEFT	118.1	110+73.1	7.7	LEFT	MATCH EXISTING	9.0	24" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-39	111+63.8	17.0	LEFT	116.5	111+63.7	8.0	LEFT	MATCH EXISTING	8.2	24" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-40	112+48.0	17.3	LEFT	114.8	112+45.2	27.5	RIGHT	MATCH EXISTING	44.9	30" CPP	
P-41	114+54.8	17.1	LEFT	110.4	114+53.4	26.4	RIGHT	MATCH EXISTING	43.5	24" CPP	
P-42	115+61.9	16.6	RIGHT	MATCH EXISTING	115+61.5	22.6	RIGHT	MATCH EXISTING	6.0	24" CAP	OUTLET REPAIR (MATCH EXISTING PIPE TYPE). CLASS 1 RIPRAP OUTLET PROTECTION. KEEP OUTLET PROTECTION WITHIN EXISTING R.O.W.
P-43	116+52.0	16.5	LEFT	106.0	116+52.3	23.6	RIGHT	MATCH EXISTING	40.1	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION. KEEP OUTLET PROTECTION WITHIN EXISTING R.O.W.
P-44	117+05.8	16.4	LEFT	103.8	117+06.8	25.7	RIGHT	MATCH EXISTING	42.1	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION. KEEP OUTLET PROTECTION WITHIN EXISTING R.O.W.
P-45	118+00.1	17.1	LEFT	103.0	117+98.6	21.7	RIGHT	MATCH EXISTING	38.9	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION. KEEP OUTLET PROTECTION WITHIN EXISTING R.O.W.
P-46	119+78.3	19.8	LEFT	MATCH EXISTING	120+00.1	22.9	RIGHT	MATCH EXISTING	48.0	24" CPP	
P-47	120+26.8	20.5	LEFT	96.6	120+29.7	22.6	RIGHT	93.2	43.2	24" CPP	

17 of 66

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340	
PATH: Q:\JNU\69340\PLANSET\69340_D1-08_SUMS.DWG TAB: D4 Tuesday, October 04, 2011 12:10:52 PM		ADDITIVE ALTERNATE B SUMMARIES	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69340	YEAR SHEET NO. TOTAL SHEETS 2011 D4 63

ADDITIVE ALTERNATIVE A - 603 CULVERT INSTALLATION SUMMARY

PIPE	INLET			OUTLET			LENGTH (FT)	SIZE	REMARKS		
	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT					
② P-30	100+85.3	17.1	LEFT	96.2	100+76.2	26.9	RIGHT	94.8	45.8 47.0	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION
① P-31	102+11.2	19.8	LEFT	100.9	102+10.3	6.5	LEFT	MATCH EXISTING	13.4 13.2	36" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
① P-32	104+54.6	17.5	LEFT	112.7	104+51.3	31.2	RIGHT	MATCH EXISTING	49.0	24" CPP	
P-33	105+18.7	18.4	LEFT	114.0	105+15.3	7.4	LEFT	MATCH EXISTING	11.6 10.0	30" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-34	106+31.1	17.2	LEFT	117.5	106+30.9	7.0	LEFT	MATCH EXISTING	10.2 6.0	24" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-35	106+80.2	18.2	LEFT	117.3	106+78.7	27.7	RIGHT	MATCH EXISTING	45.8 46.0	24" CPP	
P-36	107+56.0	17.0	LEFT	118.7	107+52.0	28.0	RIGHT	MATCH EXISTING	45.1 44.5	24" CPP	
① P-37	109+51.2	17.7	LEFT	118.5	109+51.1	33.9	RIGHT	MATCH EXISTING	51.6 52.5	24" CPP	
① P-38	110+74.0	16.7	LEFT	117.8	110+73.4	3.8	LEFT	MATCH EXISTING	13.0 45.7	24" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
P-39	111+64.2	17.8	LEFT	115.3	111+64.0	4.9	LEFT	MATCH EXISTING	13.7 40.4	24" CSP	BEVELED INLET REPAIR (MATCH EXISTING PIPE TYPE)
① P-40	112+48.7	18.1	LEFT	113.2	112+45.5	31.6	RIGHT	109.9	49.8 50.0	30" CPP	
P-41	114+54.9	16.5	LEFT	109.7	114+54.1	28.5	RIGHT	MATCH EXISTING	46.1 45.4	24" CPP	
P-42	115+62.5	17.1	RIGHT	MATCH EXISTING	115+62.2	26.6	RIGHT	103.8	9.5 10.0	24" CAP	OUTLET REPAIR (MATCH EXISTING PIPE TYPE). CLASS 1 RIPRAP OUTLET PROTECTION. KEEP OUTLET PROTECTION WITHIN EXISTING R.O.W.
P-43	116+52.3	16.9	LEFT	105.0	116+52.7	25.9	RIGHT	102.2	42.9 48.0	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION. KEEP OUTLET PROTECTION WITHIN EXISTING R.O.W.
P-44	117+06.1	16.4	LEFT	102.8	117+07.2	27.7	RIGHT	99.8	44.2 53.1	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION. KEEP OUTLET PROTECTION WITHIN EXISTING R.O.W.
P-45	118+00.4	16.3	LEFT	MATCH EXISTING	117+98.7	25.2	RIGHT	99.4	41.8 50.2	24" CPP	CLASS 1 RIPRAP OUTLET PROTECTION. KEEP OUTLET PROTECTION WITHIN EXISTING R.O.W.
P-46	119+77.4	22.3	LEFT	98.0	120+01.4	24.8	RIGHT	94.6	53.0 53.3	24" CPP	
P-47	120+27.3	18.1	LEFT	95.9	120+30.2	24.6	RIGHT	93.4	42.8 43.4	24" CPP	

Replaced Culvert
Replaced Culvert

① Invert lowered by 1' at inlet end for adequate cover. Pipe on bedrock at inlet end.

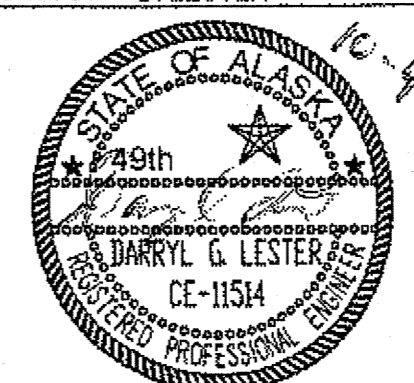
② existing pipe abandoned in place, filled w/ flowable backfill

NOTE:

IF ADDITIVE ALTERNATIVE A IS CONSTRUCTED, THE DATA SHOWN IN THIS PIPE TABLE SHALL REPLACE THE DATA FOR THE PIPES IN THE CULVERT INSTALLATION SUMMARY, SHEETS D3 & D4.

JSK 4/9/14
18 of 66

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340	
PATH: Q:\JNU\69340\PLANS\SET\69340_D1-D8_SUMS.DWG TAB: D5		ADDITIVE ALTERNATIVE A SUMMARIES	
TUESDAY, OCTOBER 04, 2011 12:08:24 PM		KARPSTEIN, KEITH D (DOT)	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69340	YEAR 2011
		SHEET NO. D5	TOTAL SHEETS 63

639 (3) DRIVEWAY SUMMARY			
STATION	OFFSET	WIDTH	REMARKS
10+15	RT	78	PAVED
19+05	LT	35	GRAVEL
32+00	RT	90	PAVED
32+60	RT	74	GRAVEL
36+92	LT	20	GRAVEL
121+55	LT	30	GRAVEL
140+60	RT	74	PAVED
145+80	RT	104	PAVED
146+20	LT	83	PAVED
153+50	RT	138	PAVED (SALMON BAKE THANE ORE HOUSE)
158+35	LT	31	GRAVEL
160+85	LT	21	PAVED
162+00	LT	61	PAVED
166+05	LT	22	PAVED
169+80	LT	51	GRAVEL
170+53	LT	22	GRAVEL
172+70	LT	32	GRAVEL
173+50	LT	33	GRAVEL
175+00	RT	49	PAVED
177+40	RT	80	PAVED
178+45	RT	86	PAVED
180+00	LT	32	GRAVEL
180+50	RT	121	GRAVEL
182+12	LT	30	GRAVEL
182+25	RT	48	PAVED
183+62	LT	30	PAVED
184+32	LT	28	PAVED
184+32	RT	51	PAVED
186+72	LT	20	GRAVEL
190+00	LT	25	PAVED
190+00	RT	44	PAVED
191+05	RT	53	PAVED
191+85	LT	30	PAVED
194+55	LT	80	PAVED

639 (3) DRIVEWAY SUMMARY			
STATION	OFFSET	WIDTH	REMARKS
196+95	LT	25	GRAVEL
198+80	LT	28	PAVED
199+50	RT	72	PAVED
200+25	LT	68	PAVED
204+03	RT	21	PAVED
204+35	LT	18	GRAVEL
204+79	LT	22	PAVED
206+30	LT	51	GRAVEL
207+55	RT	33	CONCRETE
208+18	LT	20	PAVED
209+88	RT	32	GRAVEL
212+60	RT	50	GRAVEL
213+13	LT	28	PAVED
213+60	RT	20	PAVED
215+16	RT	20	GRAVEL
215+56	RT	25	GRAVEL
217+33	LT	30	GRAVEL
220+47	LT	32	PAVED
221+60	RT	36	PAVED
222+38	LT	18	GRAVEL
222+80	RT	72	PAVED
223+46	LT	20	GRAVEL
223+95	RT	25	GRAVEL
225+50	RT	160	PAVED
226+35	LT	50	PAVED
227+92	LT	35	GRAVEL
227+95	RT	30	GRAVEL
230+95	LT	60	PAVED
235+93	LT	20	GRAVEL
237+75	LT	50	GRAVEL
238+97	LT	21	PAVED
239+75	RT	146	GRAVEL
239+80	LT	42	PAVED
242+03	RT	16	CONCRETE

606 (1) W-BEAM GUARDRAIL				
FROM STATION	TO STATION	OFFSET	LENGTH	REMARKS
75+05	75+22	RT	17	MATCH TO EXISTING AND WRAP INTO PULLOUT
77+30	84+59	RT	733	
77+30	77+50		20	
77+50	79+75		225	LONG POST REQUIRED
79+75	81+40		165	
81+40	81+70		30	LONG POST REQUIRED
81+70	84+59		289	
90+40	92+59	RT	220	
90+40	90+75		35	
90+75	90+90		15	LONG POST REQUIRED
90+90	92+59		169	
96+90	112+54	RT	1572	
96+90	97+20		30	
97+20	97+50		30	LONG POST REQUIRED
97+50	98+20		70	
98+20	99+00		80	LONG POST REQUIRED
99+00	100+50		150	
100+50	100+90		40	LONG POST REQUIRED
100+90	112+54		1164	
165+42	165+80	LT	50	MATCH TO EXISTING AND WRAP INTO DRIVEWAY

606 (6) GUARDRAIL REMOVAL SUMMARY			
FROM STATION	TO STATION	LENGTH	REMARKS
1+58	7+80	624	
14+32	15+33	207	
49+20	49+70	50	TO INSTALL END TREATMENT
75+05	75+12	7	REMOVE EXISTING END TREATMENT
76+80	84+29	752	
89+89	92+53	264	
96+42	107+50	1108	
109+12	112+58	346	
126+43	127+08	65	
165+42	165+48	7	REMOVE EXISTING END TREATMENT
173+89	174+39	50	TO INSTALL END TREATMENT

DELIVER MATERIALS TO DOT/PF MAINTENANCE

604 (5) INLET TYPE "A"					
STRUCT. NO.	STATION	OFFSET	TOP OF CASTING ELEVATION	STRUCTURE TYPE	REMARKS
S-1	4+85.5	13.5' RT	68.07	A	
S-2	7+78.4	13.5' RT	64.00	A	

STATION AND OFFSET TAKEN TO CENTER OF STRUCTURE. ELEVATION TAKEN AT TOP OF CASTING AS SHOWN IN STANDARD DWG D-25.00. ALL TYPE "A" INLET BOX STORM DRAIN MANHOLES SHALL HAVE 18" MIN. SUMP AS SHOWN IN STD DWG D-26.02. SEE STD DWG D-26.02 FOR TYPE "A" INLET BOXES.


606 (13) PARALLEL GUARDRAIL TERMINAL			
STATION	OFFSET	LENGTH	REMARKS
49+20	RT	50	REMOVE EXISTING END TREATMENT
76+80	RT	50	
89+90	RT	50	
96+40	RT	50	
174+38	RT	50	REMOVE EXISTING END TREATMENT

84+65 RT 50
165+80 49' LT 50

606 (15) DOWNSTREAM END ANCHOR		
STATION	OFFSET	REMARKS
1+64	RT	REMOVE EXISTING GUARDRAIL AND INSTALL NEW END TREATMENT
75+25	RT	REMOVE EXISTING END TREATMENT
84+65	RT	install parallel end terminal
92+65	RT	
112+60	RT	
165+80	49' LT	parallel end terminal

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER
DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

JNU-THANE ROAD
PAVEMENT REHABILITATION
PROJECT #69340

SUMMARIES

PATH: Q:\JNU\69340\PLANS\SET69340_D1-D8_SUMS.DWG
TAB: D6 Thursday, August 18, 2011 4:10:24 PM GRANTHAM, RICK L (DOT)

NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69340	2011	D6	63


JSK 4/9/14
19 of 66

615 (1) STANDARD SIGN SUMMARY

SIGN #	LEGEND	STA.	OFFSET	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SQ FT)	POST	EMBED. DEPTH	SIGN FACING	COMMENTS
1	SPEED LIMIT 35	2+91	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	NB	MOVE AND RELOCATE SIGN AS PER STD DWG S-05.01
2	SPEED LIMIT 30	2+91	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	SB	
3	AVALANCHE AREA	6+15	RT	-	-	-	-	-	-	NB	MOVE AND RELOCATED SIGN AS PER STD DWGS S-05.01 AND S-30.03
4	END AVALANCHE AREA	6+52	LT	W16-111	36	36	9.00	2.5 PST	4'-6"	SB	
5	AVALANCHE ROAD CLOSURE	19+10	RT	-	-	-	-	-	-	NB	EXISTING SIGN TO REMAIN
6	SPEED LIMIT 45	20+90	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	NB	
7	SPEED LIMIT 35	20+90	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	SB	
8	PED XING SYMBOL	21+85	LT	-	-	-	-	-	-	SB	REMOVE EXISTING SIGN
9	DIAGONAL DOWNWARD ARROW	21+85	LT	-	-	-	-	-	-	SB	REMOVE EXISTING SIGN
10	REVERSE CURVE ARROW (SYMBOL)	35+27	RT	W1-4L	36	36	9.00	2.5 PST	4'-6"	NB	
11	30 MPH (ADVISORY SPEED PLATE)	35+27	RT	W13-1	24	24	4.00	-	-	NB	MOUNT BELOW SIGN # 10
12	CHEVRON (SYMBOL)	40+33	RT	W1-8	24	30	5.00	2.5 PST	4'-6"	NB	
13	CHEVRON (SYMBOL)	40+33	RT	W1-8	24	30	5.00	-	-	SB	MOUNT BEHIND SIGN # 12
14	CHEVRON (SYMBOL)	40+93	RT	W1-8	24	30	5.00	2.5 PST	4'-6"	NB	
15	CHEVRON (SYMBOL)	40+93	RT	W1-8	24	30	5.00	-	-	SB	MOUNT BEHIND SIGN # 14
16	CHEVRON (SYMBOL)	41+53	RT	W1-8	24	30	5.00	2.5 PST	4'-6"	NB	
17	CHEVRON (SYMBOL)	41+53	RT	W1-8	24	30	5.00	-	-	SB	MOUNT BEHIND SIGN # 16
18	CHEVRON (SYMBOL)	44+38	LT	W1-8	24	30	5.00	2.5 PST	4'-6"	NB	
19	CHEVRON (SYMBOL)	44+38	LT	W1-8	24	30	5.00	-	-	SB	MOUNT BEHIND SIGN # 18
20	CHEVRON (SYMBOL)	44+98	LT	W1-8	24	30	5.00	2.5 PST	4'-6"	NB	
21	CHEVRON (SYMBOL)	44+98	LT	W1-8	24	30	5.00	-	-	SB	MOUNT BEHIND SIGN # 20
22	CHEVRON (SYMBOL)	45+58	LT	W1-8	24	30	5.00	2.5 PST	4'-6"	NB	
23	CHEVRON (SYMBOL)	45+58	LT	W1-8	24	30	5.00	-	-	SB	MOUNT BEHIND SIGN # 22
24	REVERSE CURVE ARROW (SYMBOL)	52+03	LT	W1-4L	36	36	9.00	2.5 PST	4'-6"	SB	
25	30 MPH (ADVISORY SPEED PLATE)	52+03	LT	W13-1	24	24	4.00	-	-	SB	MOUNT BELOW SIGN # 24
26	SPEED LIMIT 45	59+29	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	NB	
27	REVERSE CURVE ARROW (SYMBOL)	79+93	RT	W1-4L	36	36	9.00	2.5 PST	4'-6"	NB	
28	40 MPH (ADVISORY SPEED PLATE)	79+93	RT	W13-1	24	24	4.00	-	-	NB	MOUNT BELOW SIGN # 27
29	REVERSE CURVE ARROW (SYMBOL)	90+50	LT	W1-4L	36	36	9.00	2.5 PST	4'-6"	SB	
30	40 MPH (ADVISORY SPEED PLATE)	90+50	LT	W13-1	24	24	4.00	-	-	SB	MOUNT BELOW SIGN # 29
31	END AVALANCHE AREA	91+42	RT	W16-111	36	36	9.00	2.5 PST	4'-6"	NB	
32	AVALANCHE AREA	91+58	LT	-	-	-	-	-	-	SB	EXISTING SIGN TO REMAIN
33	MILE MARKER "3"	92+19	RT	D10-1	10	18	1.25	2.5 PST	4'-6"	NB	4" LETTERS, FONT SERIES B, 6" NUMBERS, FONT SERIES D
34	MILE MARKER "3"	92+19	RT	D10-1	10	18	1.25	-	-	SB	4" LETTERS, FONT SERIES B, 6" NUMBERS, FONT SERIES D MOUNT BEHIND SIGN # 29
35	SPEED LIMIT 45	102+55	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	SB	
36	AVALANCHE AREA	121+02	LT	-	-	-	-	-	-	SB	EXISTING SIGN TO REMAIN
37	STOP	121+44	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	EB	
38	45 SPEED LIMIT	138+98	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	NB	
39	35 SPEED LIMIT	140+05	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	NB	
40	STOP	141+04	RT	R1-1	30	30	6.25	2.5 PST	4'-6"	WB	
41	MILE MARKER "4"	145+10	RT	D10-1	10	18	1.25	2.5 PST	4'-6"	NB	4" LETTERS, FONT SERIES B, 6" NUMBERS, FONT SERIES D
42	MILE MARKER "4"	145+10	RT	D10-1	10	18	1.25	-	-	SB	4" LETTERS, FONT SERIES B, 6" NUMBERS, FONT SERIES D MOUNT BEHIND SIGN # 37
43	SHEEP CREEK / TRAIL /	145+27	RT	D7-105	48	36	12.00	2.5 PST	4'-6"	NB	
44	STOP	145+82	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	EB	
45	OBJECT MARKER TYPE 3	164+71	LT	OM-3R	12	36	3.00	2.5 PST	4'-6"	SB	MOUNT ON BRIDGE
46	OBJECT MARKER TYPE 3	164+71	RT	OM-3L	12	36	3.00	2.5 PST	4'-6"	SB	MOUNT ON BRIDGE
47	NO STOPPING ON BRIDGE	164+79	LT	-	-	-	-	-	-	WB	EXISTING SIGN TO REMAIN
48	SHEEP CREEK	164+90	LT	I-3	66	36	16.50	(2) 4x6 WOOD	3'	SB	8" UPPER CASE, 6" LOWER CASE, CLEARVIEW 5W FONT
49	ADOPT A HIGHWAY	164+99	RT	-	-	-	-	-	-	NB	EXISTING SIGN TO REMAIN
50	SPEED LIMIT 35	175+50	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	NB	
51	MILE MARKER "5"	198+14	RT	D10-1	10	18	1.25	2.5 PST	4'-6"	NB	4" LETTERS, FONT SERIES B, 6" NUMBERS, FONT SERIES D
52	MILE MARKER "5"	198+14	RT	D10-1	10	18	1.25	-	-	SB	4" LETTERS, FONT SERIES B, 6" NUMBERS, FONT SERIES D MOUNT BEHIND SIGN # 47
53	SPEED LIMIT 35	199+17	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	SB	
54	SPEED LIMIT 35	233+34	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	SB	
55	END ROAD 1000 FT	233+70	RT	W14-101	36	36	9.00	2.5 PST	4'-6"	NB	
56	ADOPT A HIGHWAY	242+56	LT	-	-	-	-	-	-	SB	EXISTING SIGN TO REMAIN
57	\$1000 / FINE FOR / LITTERING	243+64	RT	R16-106	42	42	12.25	2.5 PST	4'-6"	EB	
58	END	244+22	-	W14-100	30	30	6.25	2.5 PST	4'-6"	NB	BEHIND GUARDRAIL AT EOP
59	NINE BUTTON OBJECT MARKER TYPE 4	244+22	-	OM-4-1	18	18	2.25	-	-	NB	MOUNT BELOW SIGN # 54

*JSK 4/9/14
20 of 66*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

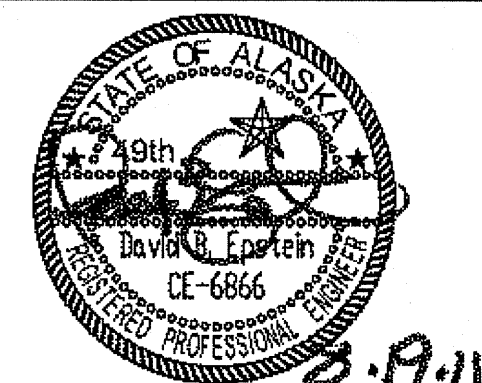
CHECKED BY: D. EPSTEIN 	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340									
DESIGNED BY: D. MULLINER DRAWN BY: R. GRANTHAM	SUMMARIES									
PATH: Q:\JNU\69340\PLANSET\69340_D1-08_SUMS.DWG TAB: D7 Thursday, August 18, 2011 3:57:35 PM	GRANTHAM, RICK L. (DOT)									
<table border="1"> <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> </tbody> </table>	REVISIONS			NO.	DATE	DESCRIPTION				PROJECT DESIGNATION 69340
REVISIONS										
NO.	DATE	DESCRIPTION								
YEAR 2011	SHEET NO. D7									
TOTAL SHEETS 63										

615 (1) STANDARD SIGN SUMMARY

SIGN #	LEGEND	STA.	OFFSET	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SQ FT)	POST	EMBED. DEPTH	SIGN FACING	COMMENTS
60	NO PARKING SYMBOL	16+27	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
61	10 PM / TO 6 AM / "DUAL ARROWS"	16+27	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #60. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
62	NO PARKING SYMBOL	18+35	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
63	10 PM / TO 6 AM / "DUAL ARROWS"	18+35	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #62. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
64	NO PARKING SYMBOL	22+16	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
65	10 PM / TO 6 AM / "DUAL ARROWS"	22+16	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #64. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
66	NO PARKING SYMBOL	23+00	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
67	10 PM / TO 6 AM / "DUAL ARROWS"	23+00	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #66. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
68	NO PARKING SYMBOL	39+09	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
69	10 PM / TO 6 AM / "DUAL ARROWS"	39+09	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #68. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
70	NO PARKING SYMBOL	45+00	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
71	10 PM / TO 6 AM / "DUAL ARROWS"	45+00	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #70. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
72	NO PARKING SYMBOL	48+51	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
73	10 PM / TO 6 AM / "DUAL ARROWS"	48+51	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #72. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
74	NO PARKING SYMBOL	75+90	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
75	10 PM / TO 6 AM / "DUAL ARROWS"	75+90	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #74. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
76	NO PARKING SYMBOL	85+00	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
77	10 PM / TO 6 AM / "DUAL ARROWS"	85+00	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #76. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
78	NO PARKING SYMBOL	89+29	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
79	10 PM / TO 6 AM / "DUAL ARROWS"	89+29	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #78. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
80	NO PARKING SYMBOL	93+02	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
81	10 PM / TO 6 AM / "DUAL ARROWS"	93+02	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #80. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
82	NO PARKING SYMBOL	95+00	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
83	10 PM / TO 6 AM / "DUAL ARROWS"	95+00	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #82. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
84	NO PARKING SYMBOL	108+36	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
85	10 PM / TO 6 AM / "DUAL ARROWS"	108+36	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #84. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
86	NO PARKING SYMBOL	113+00	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
87	10 PM / TO 6 AM / "DUAL ARROWS"	113+00	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #86. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
88	NO PARKING SYMBOL	123+45	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
89	10 PM / TO 6 AM / "DUAL ARROWS"	123+45	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #88. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER
90	NO PARKING SYMBOL	135+95	RT	R8-3A	18	18	2.25	2.5 PST	4'-6"	EB	
91	10 PM / TO 6 AM / "DUAL ARROWS"	135+95	RT	R8-3AP	12	10	0.83	-	-	EB	MOUNT BELOW SIGN #90. 1.5" LETTERS, 1" ROW SPACING, 1.5" TOP/BOTTOM BORDER

JSK 4/9/14
21 of 66

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340	
DESIGNED BY: D. MULLINER DRAWN BY: R. GRANTHAM		SUMMARIES	
PATH: Q:\JNU\69340\PLANSET\69340_D1-D8_SUMS.DWG TAB: D8 Friday, August 19, 2011 1:14:41 PM		GRANHAM, RICK L (DOT)	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69340	YEAR SHEET NO. TOTAL SHEETS 2011 D8 63

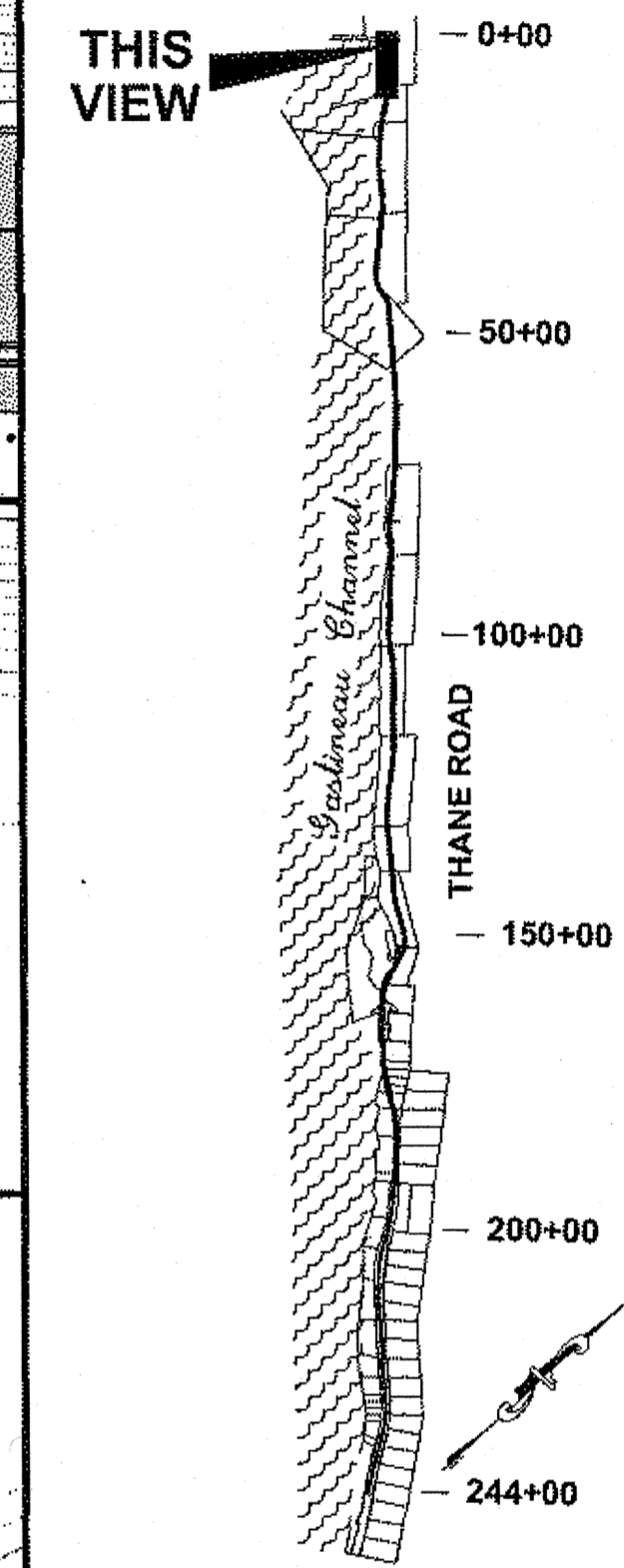
BOP STA. 1+45
SAWCUT EXISTING SIDEWALK
AND MATCH EXISTING.
STA. ± 1+45 TO 3+40
SAWCUT ALONG FOG LINE FOR
NEW CURB, GUTTER AND NEW
SIDEWALK INSTALLATION

CURVE DATA
 R=10000.00'
 Δ=00°38'16"
 L=111.30'
 T=55.65'

SPEED LIMIT 30
 R2-1

STA. 3+40.00
BEGIN PAVEMENT
REHABILITATION
MATCH EXISTING
PAVEMENT JOINT

PATH:
 Q:\JNU\69340\PLANSET\69340_F1-8_F20-28_PLAN.DWG
 GRANHAM, RICK L (DOT)
 TAB: F1 Monday, August 22, 2011 1:45:27 PM
 ADDENDUM NUMBER
 ATTACHMENT NUMBER
 RECORD OF REVISIONS
 No. DATE DESCRIPTION



PLAN LEGEND

CHECKED BY: D. LESTER

 DESIGNED BY: D. MULLINER, D. LESTER
 DRAWN BY: R. GRANHAM
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

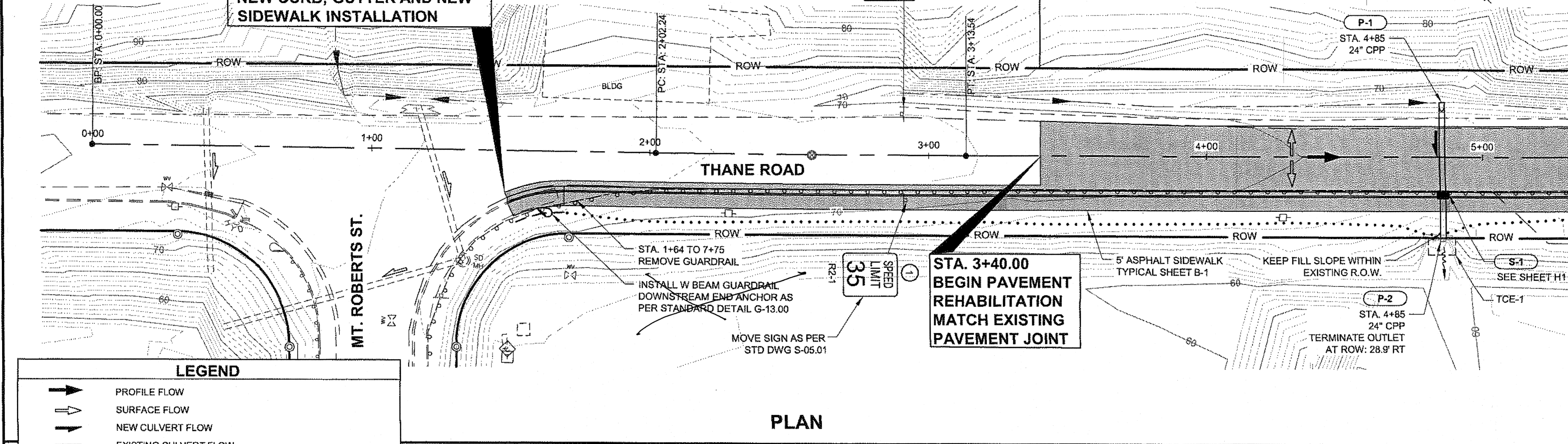
PLAN VIEW
 PROJECT DESIGNATION
69340

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F1	63

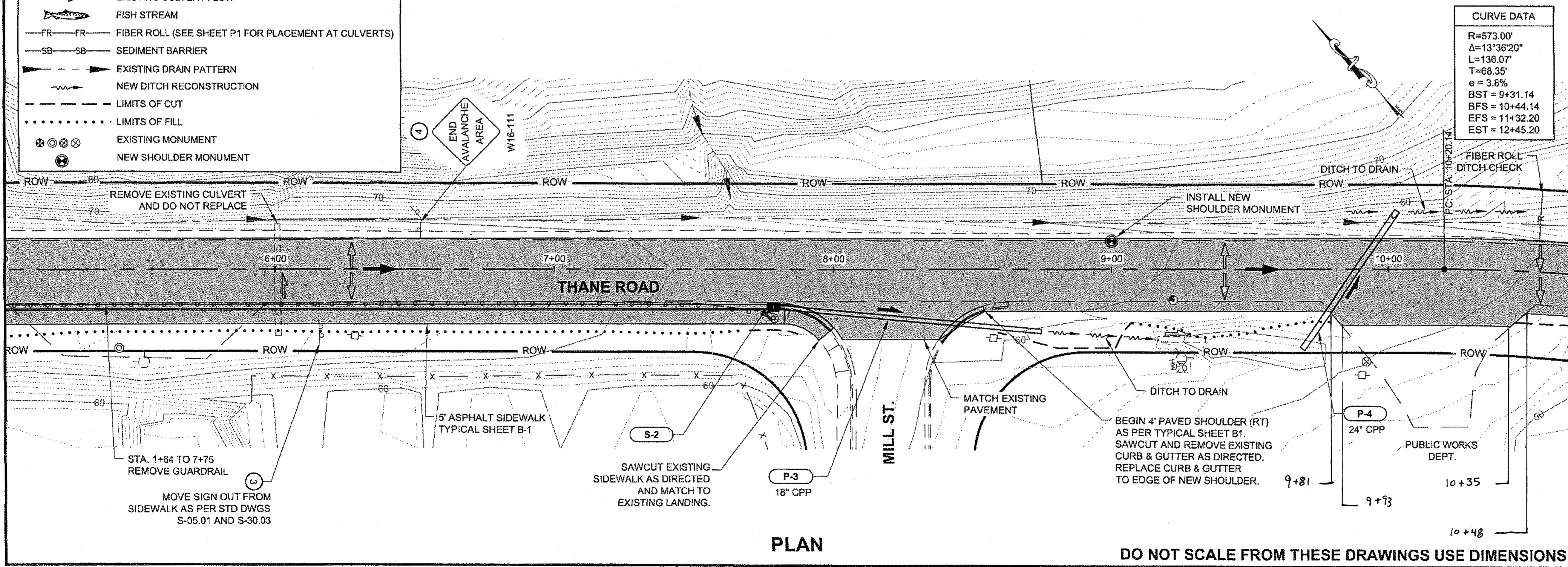
JSK 4/9/14
 22 of 66

LEGEND

	PROFILE FLOW
	SURFACE FLOW
	NEW CULVERT FLOW
	EXISTING CULVERT FLOW
	FISH STREAM
FR-FR	FIBER ROLL (SEE SHEET P1 FOR PLACEMENT AT CULVERTS)
SB-SB	SEDIMENT BARRIER
	EXISTING DRAIN PATTERN
	NEW DITCH RECONSTRUCTION
- - -	LIMITS OF CUT
.....	LIMITS OF FILL
⊙	EXISTING MONUMENT
⊙	NEW SHOULDER MONUMENT



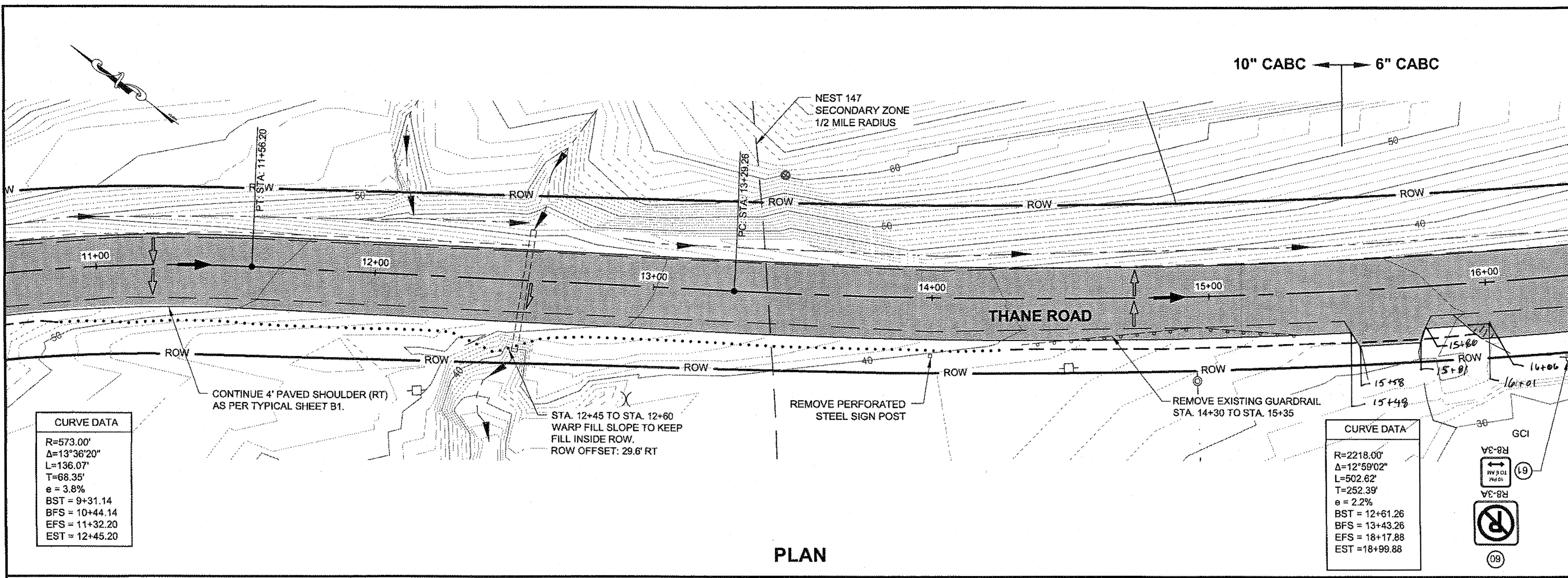
PLAN



PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



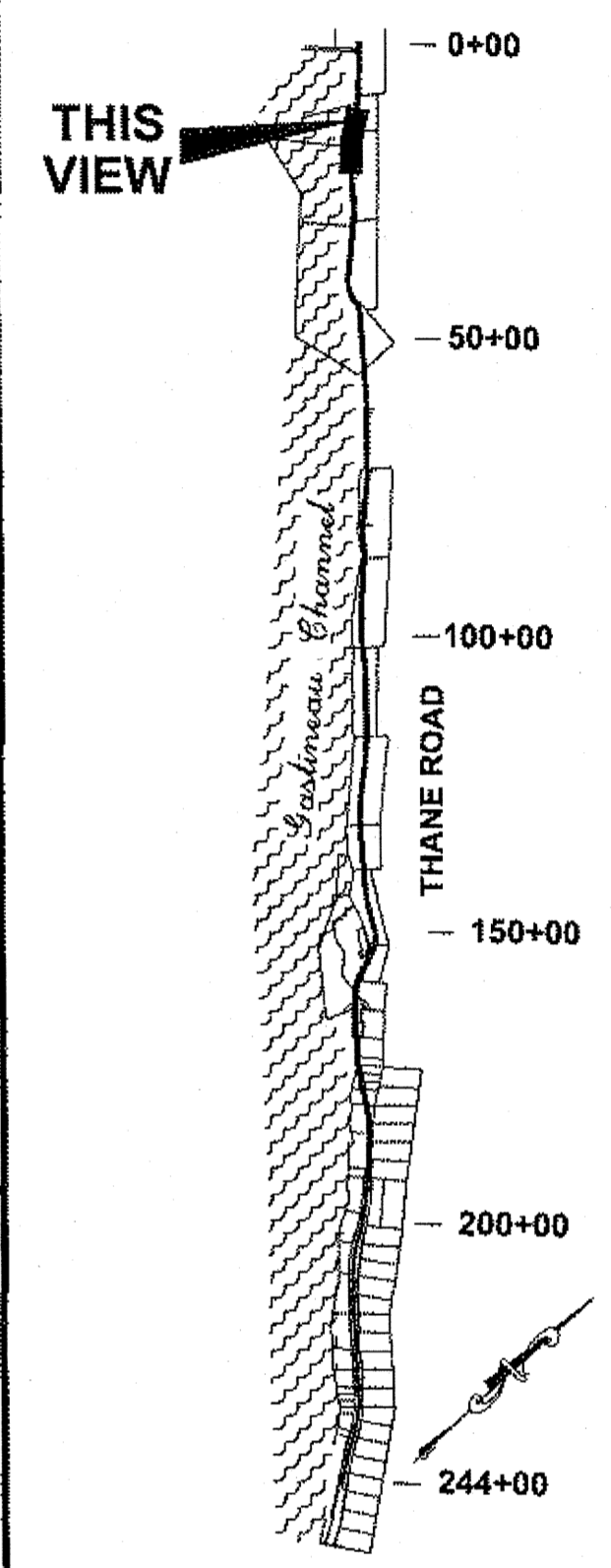
CURVE DATA

R=573.00'
 Δ=13°36'20"
 L=136.07'
 T=68.35'
 e = 3.8%
 BST = 9+31.14
 BFS = 10+44.14
 EFS = 11+32.20
 EST = 12+45.20

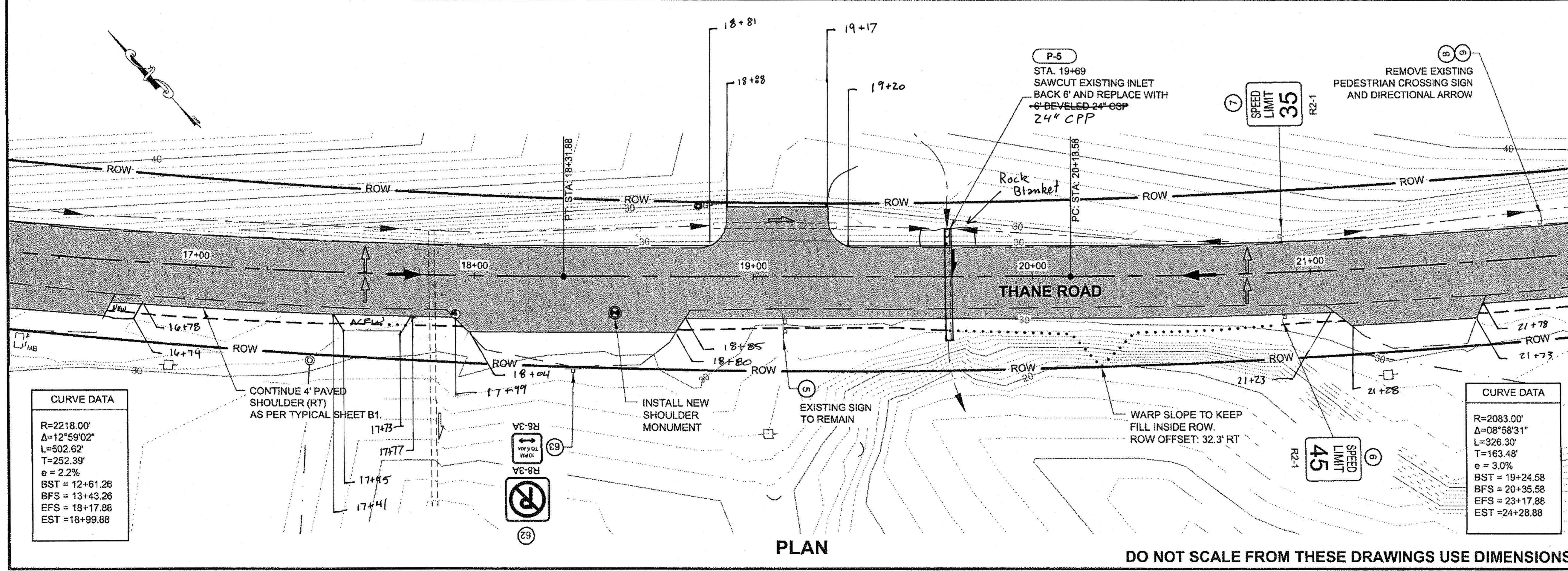
CURVE DATA

R=2218.00'
 Δ=12°59'02"
 L=502.62'
 T=252.39'
 e = 2.2%
 BST = 12+61.26
 BFS = 13+43.26
 EFS = 18+17.88
 EST = 18+99.88

PLAN



PLAN LEGEND



CURVE DATA

R=2218.00'
 Δ=12°59'02"
 L=502.62'
 T=252.39'
 e = 2.2%
 BST = 12+61.26
 BFS = 13+43.26
 EFS = 18+17.88
 EST = 18+99.88

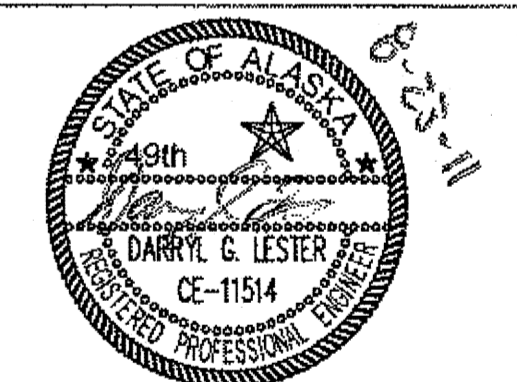
CURVE DATA

R=2083.00'
 Δ=08°58'31"
 L=326.30'
 T=163.48'
 e = 3.0%
 BST = 19+24.58
 BFS = 20+35.58
 EFS = 23+17.88
 EST = 24+28.88

PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION

69340

STATE	YEAR
ALASKA	2011

SHEET NUMBER TOTAL SHEETS

F2 63

JSK 4/9/14
 23 of 66

PATH:
Q:\JNU\69340\PLANSET\69340_F1-8_F20-28_PLAN.DWG

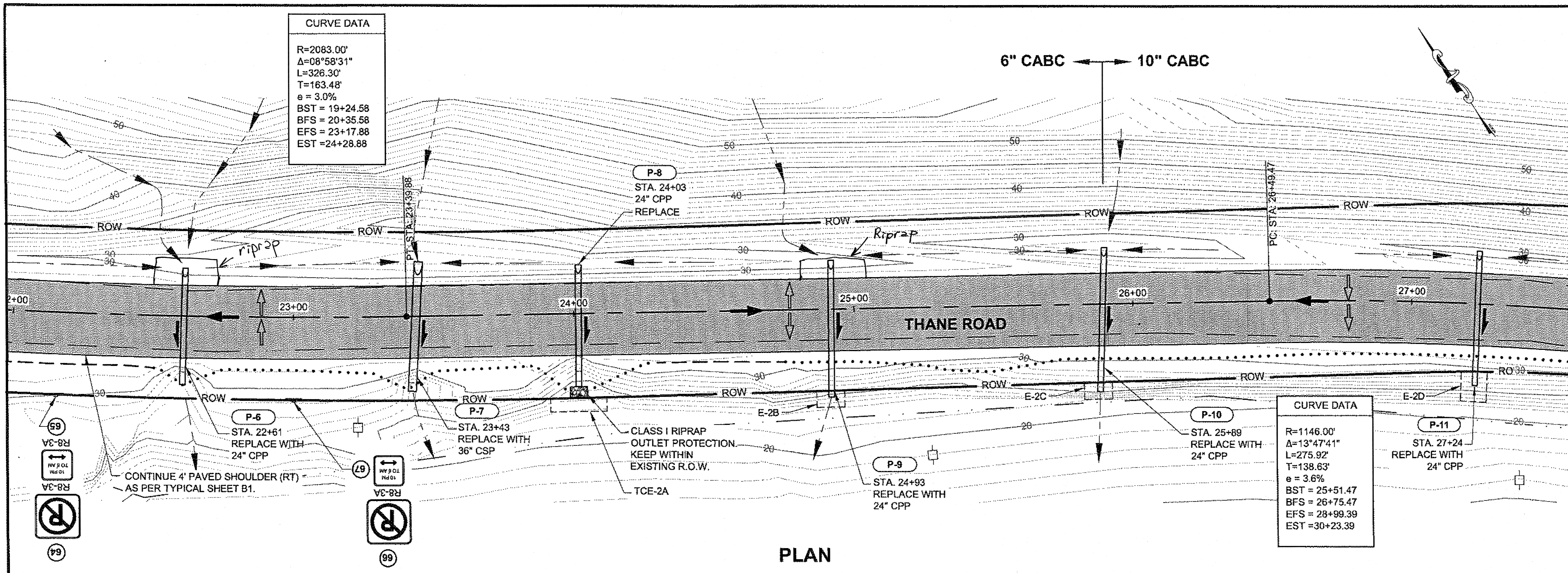
GRANTHAM, RICK L (DOT)
TAB: F3 Monday, August 22, 2011 2:07:26 PM

ADDENDUM NUMBER

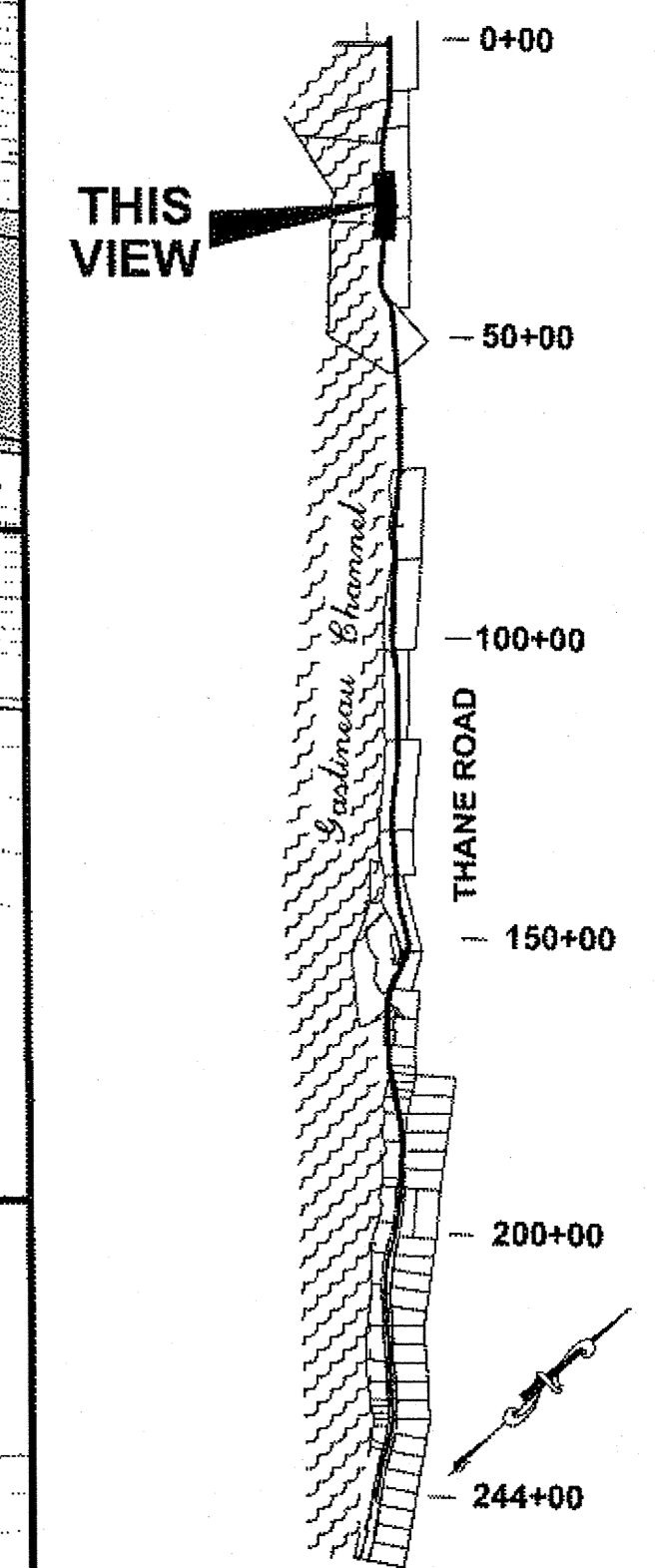
ATTACHMENT NUMBER

RECORD OF REVISIONS

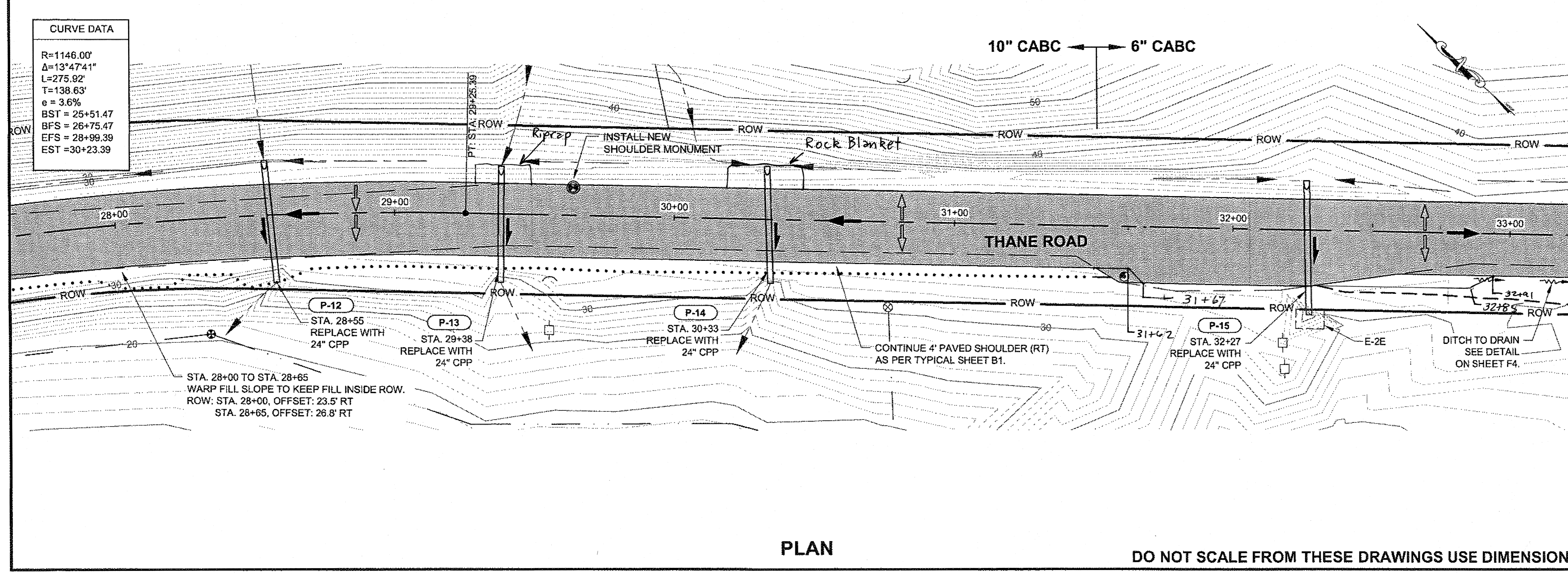
No.	DATE	DESCRIPTION



PLAN



PLAN LEGEND



PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER, D. LESTER
DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

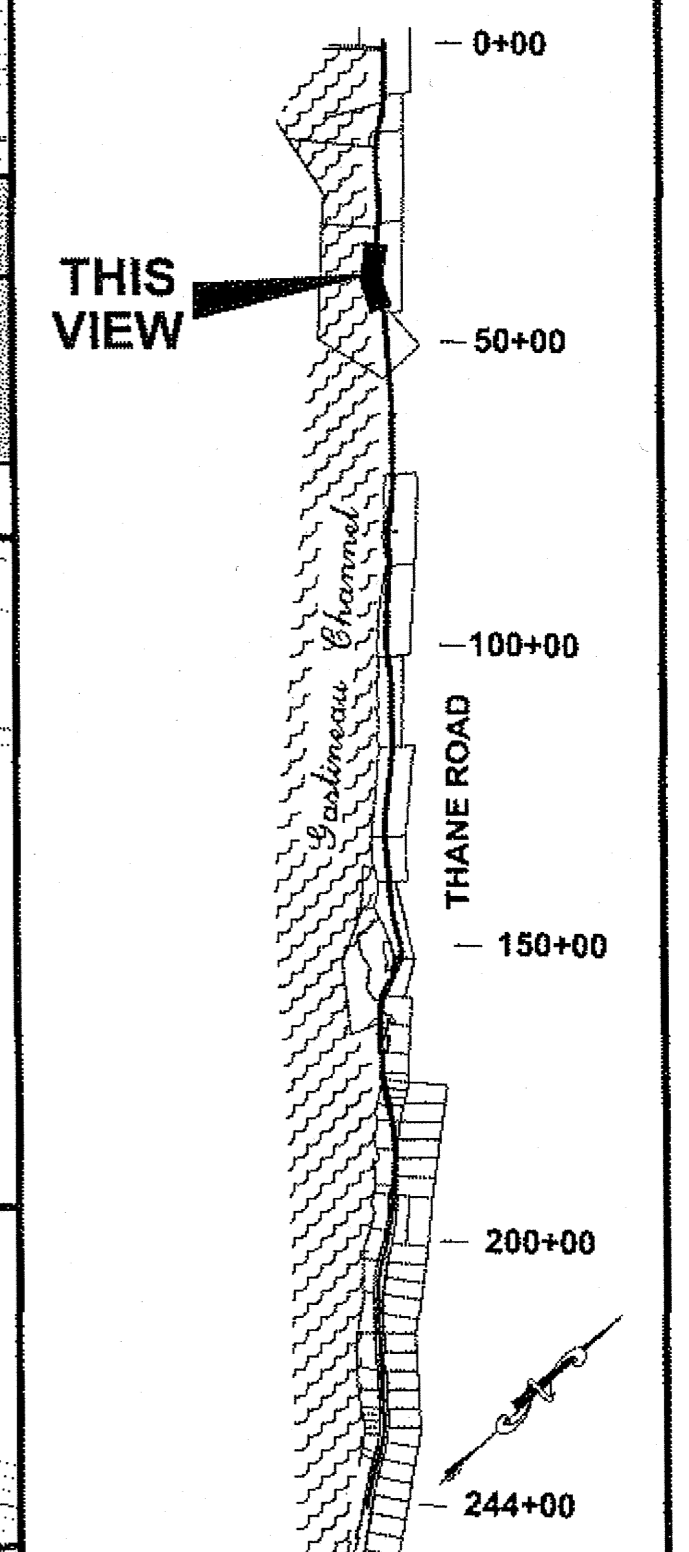
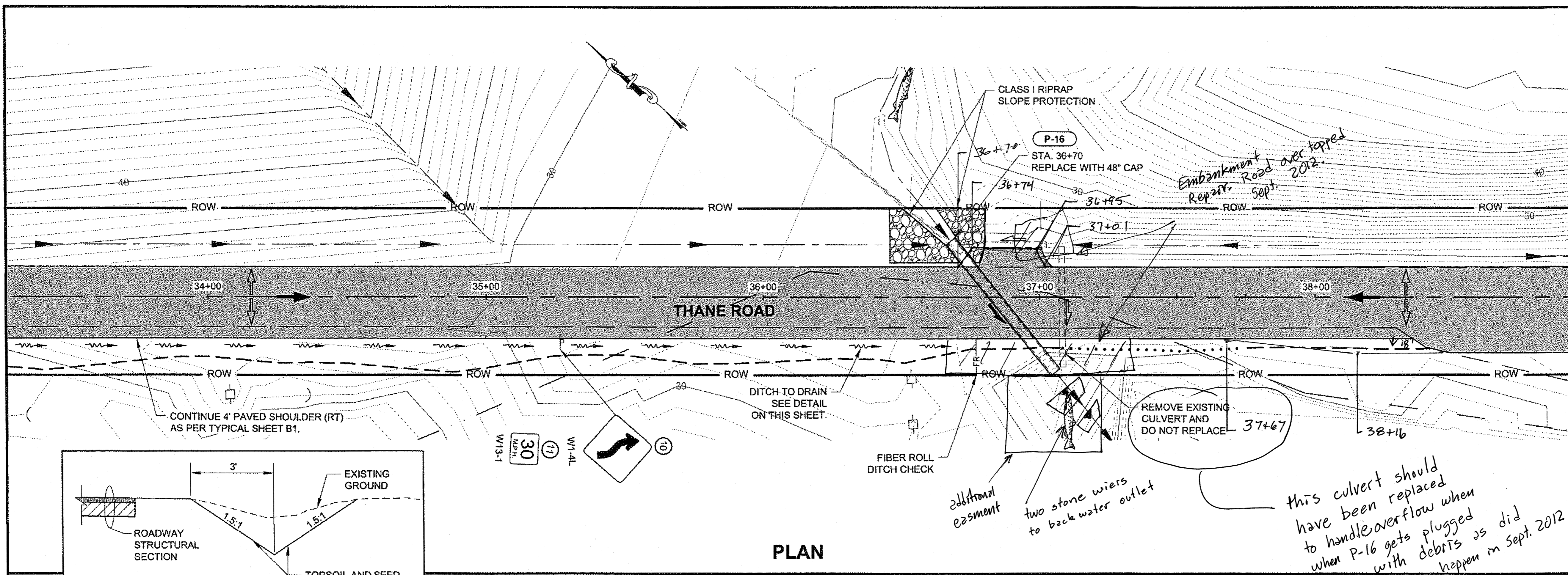
JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340

PLAN VIEW

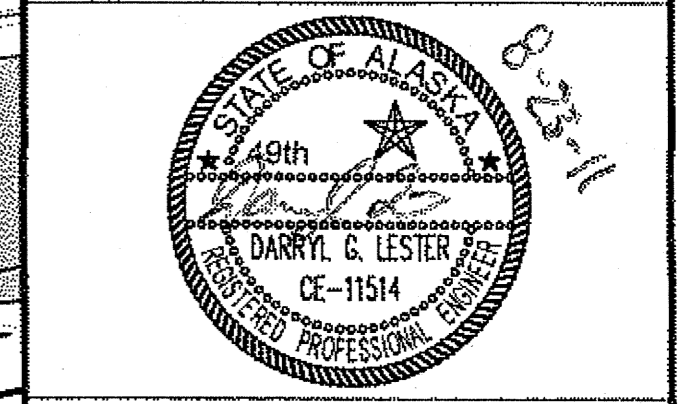
PROJECT DESIGNATION	
69340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F3	63

JSK 4/9/14
24 of 66

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER
 DRAWN BY: R. GRANTHAM

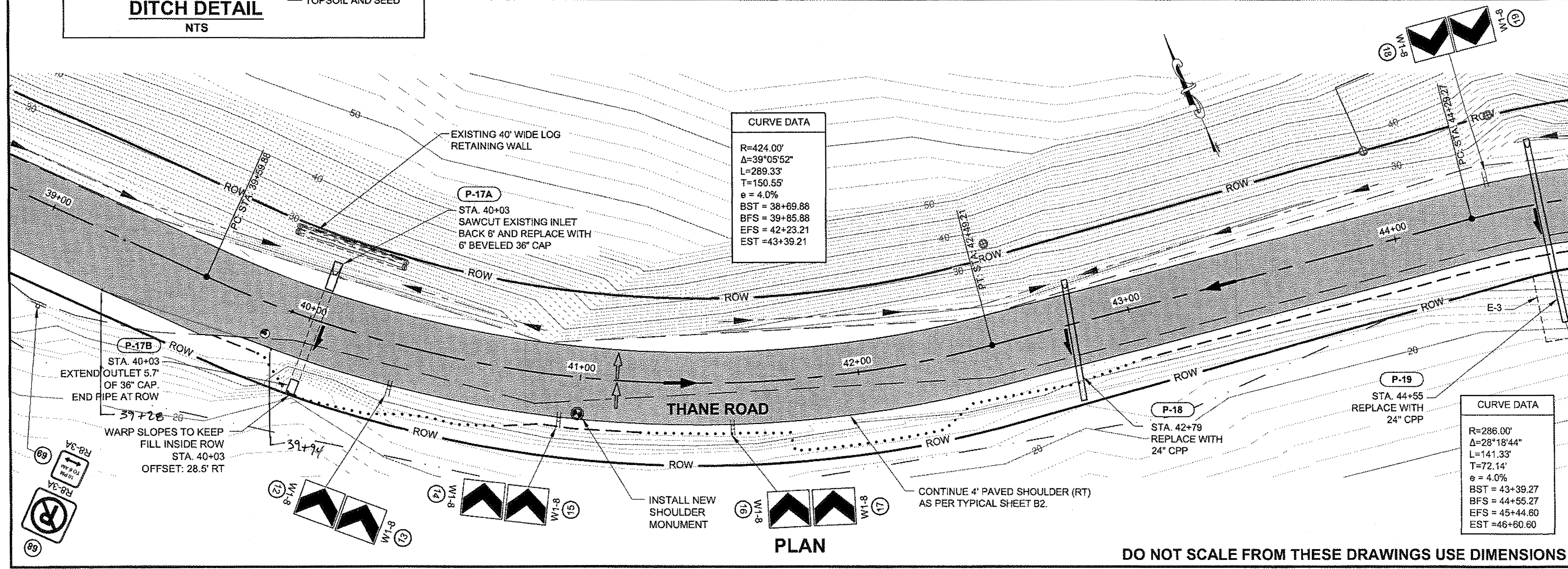
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION	
69340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F4	63

JSK 4/9/14
 25 of 66



CURVE DATA

R=424.00'
Δ=39°05'52"
L=289.33'
T=150.55'
e = 4.0%
BST = 38+89.88
BFS = 39+85.88
EFS = 42+23.21
EST = 43+39.21

CURVE DATA

R=286.00'
Δ=28°18'44"
L=141.33'
T=72.14'
e = 4.0%
BST = 43+39.27
BFS = 44+55.27
EFS = 45+44.60
EST = 46+60.60

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

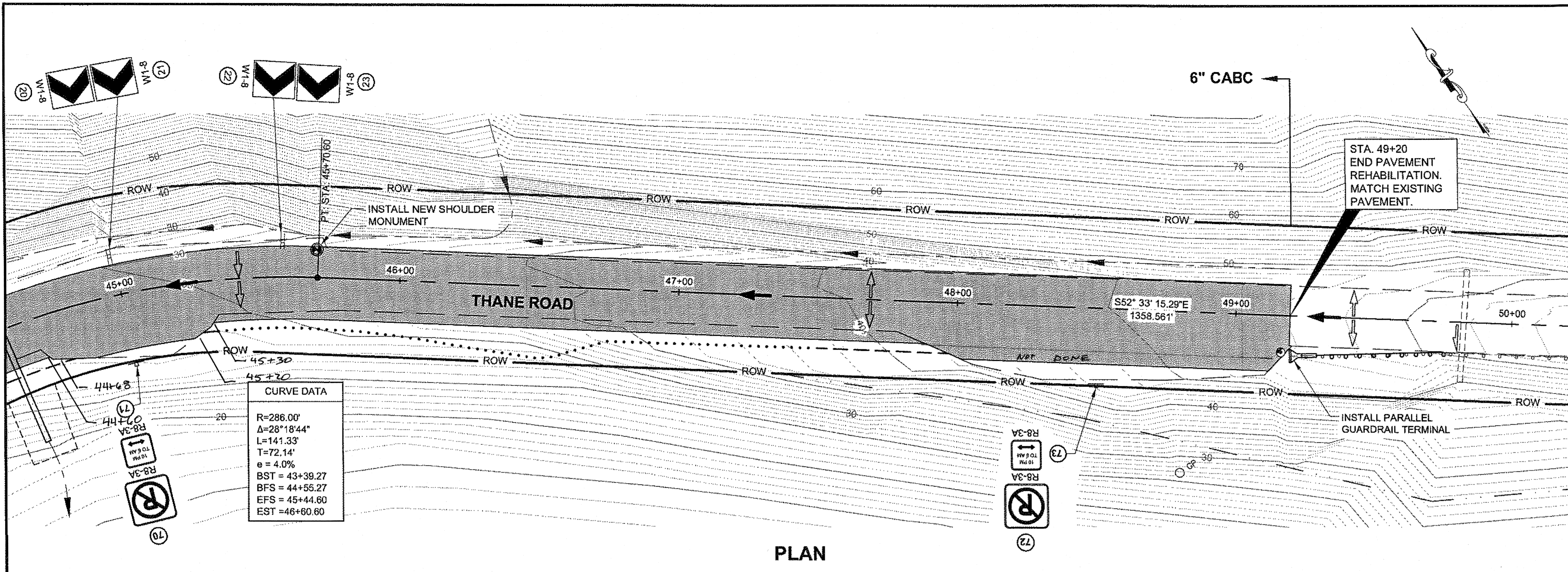
PATH:
Q:\LNU\69340\PLANSET\69340_F1-8_F20-28_PLAN.DWG

GRANTHAM, RICK L (DOT)
TAB: F5 Friday, August 19, 2011 8:22:45 AM

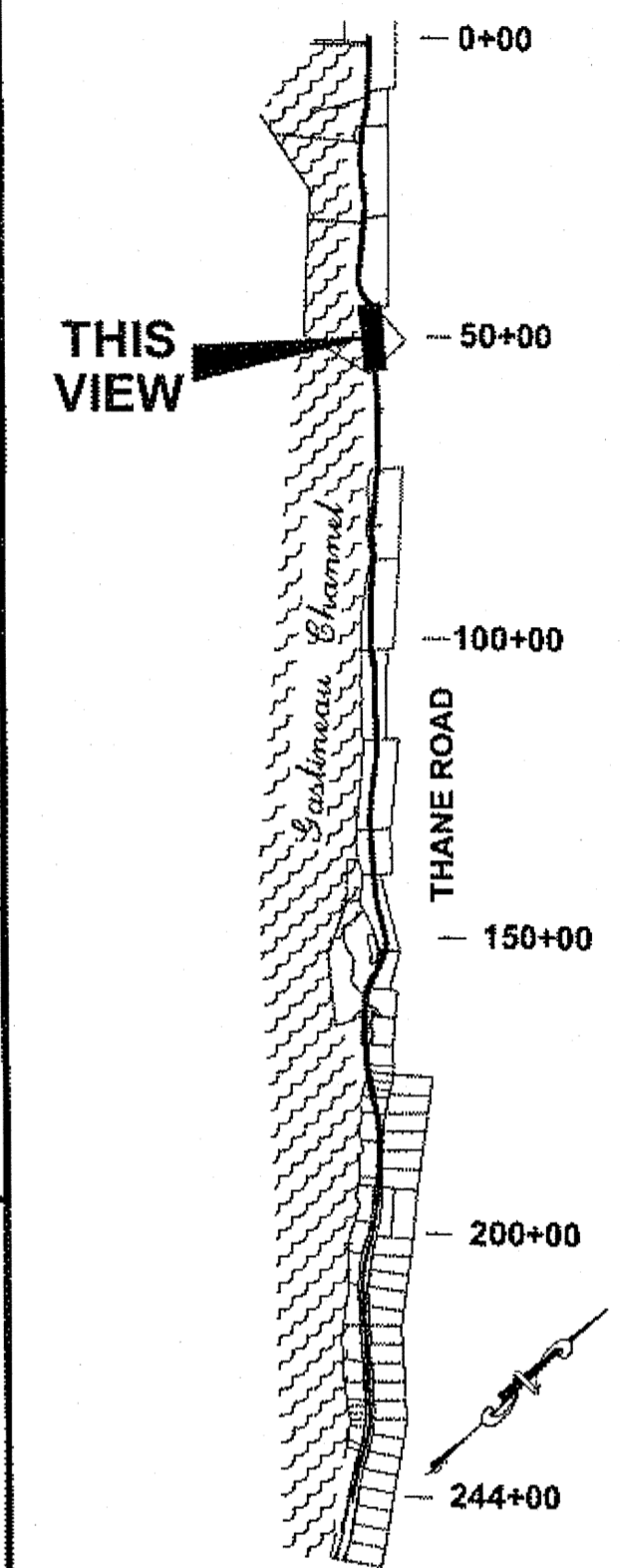
ADDENDUM NUMBER

ATTACHMENT NUMBER

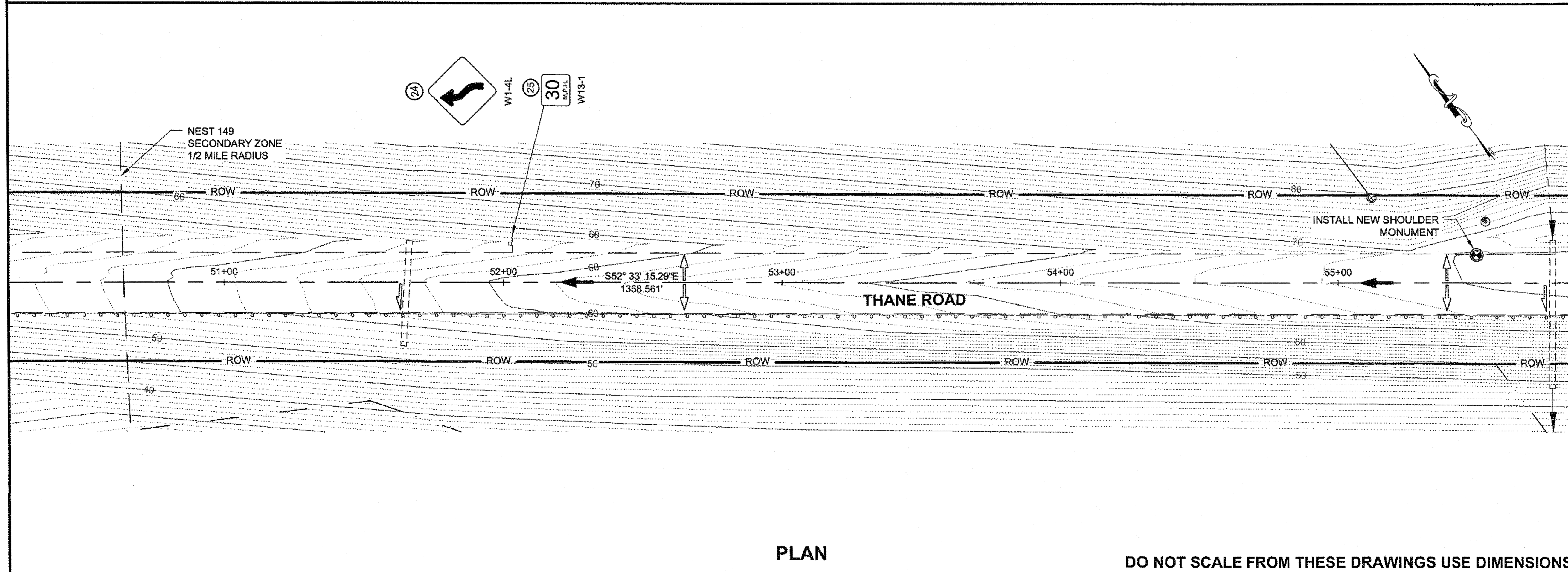
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN



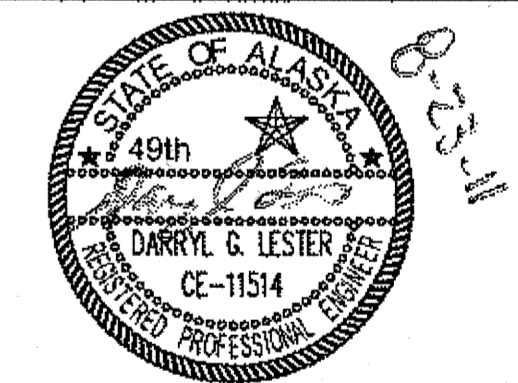
PLAN LEGEND



PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION	
69340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F5	63

JSK
4/9/14
26 of 66

CURVE DATA	
R=1910.00'	
Δ=02°47'10"	
L=92.88'	
T=46.45'	

PATH:
Q:\JNU\69340\PLANSET\69340_F1-8_F20-28_PLAN.DWG

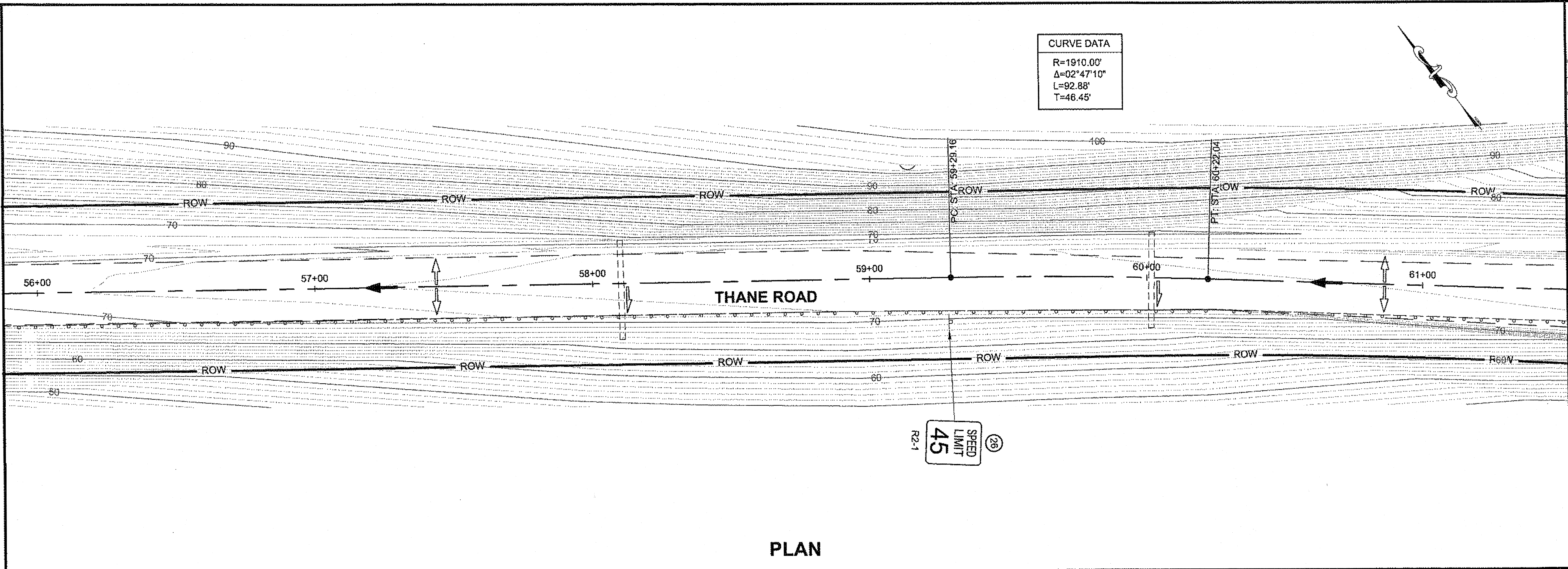
GRANTHAM, RICK L (DOT)
TAB: F6 Friday, August 19, 2011 8:23:04 AM

ADDENDUM NUMBER

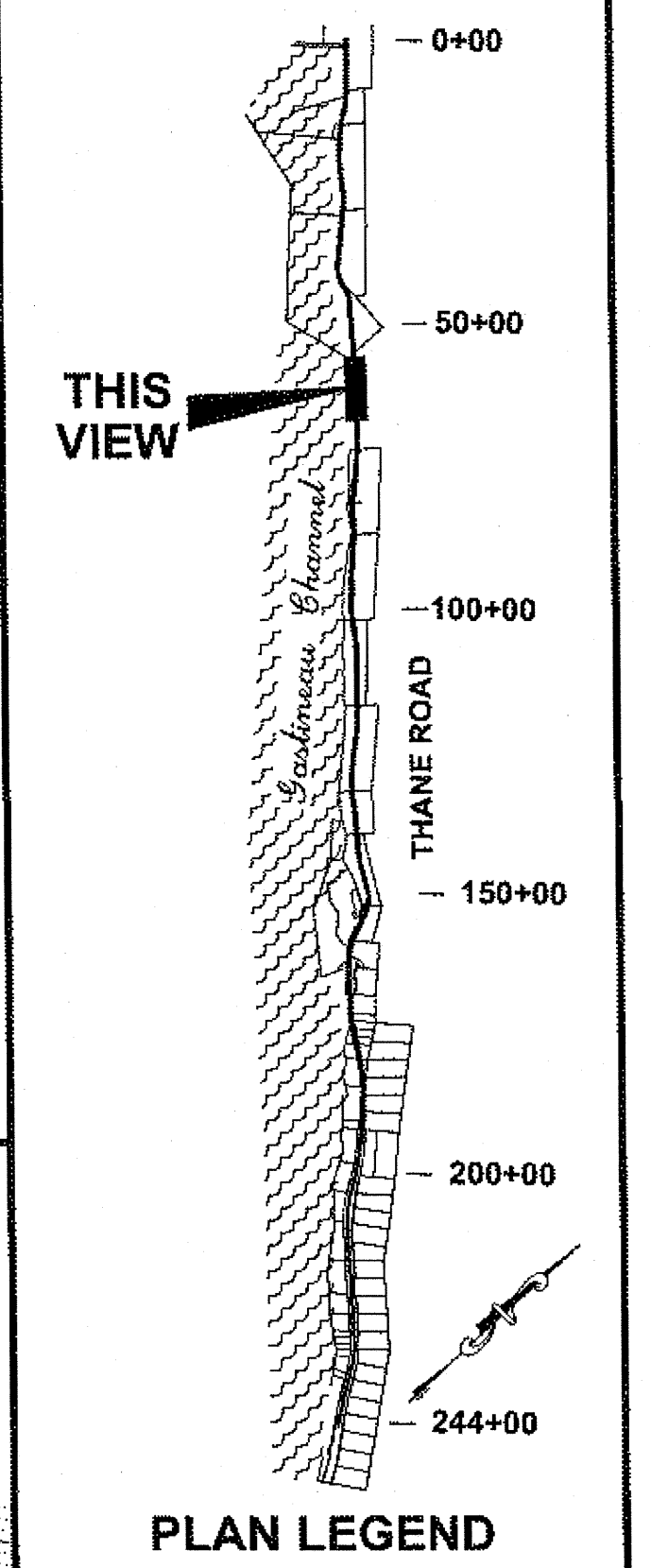
ATTACHMENT NUMBER

RECORD OF REVISIONS

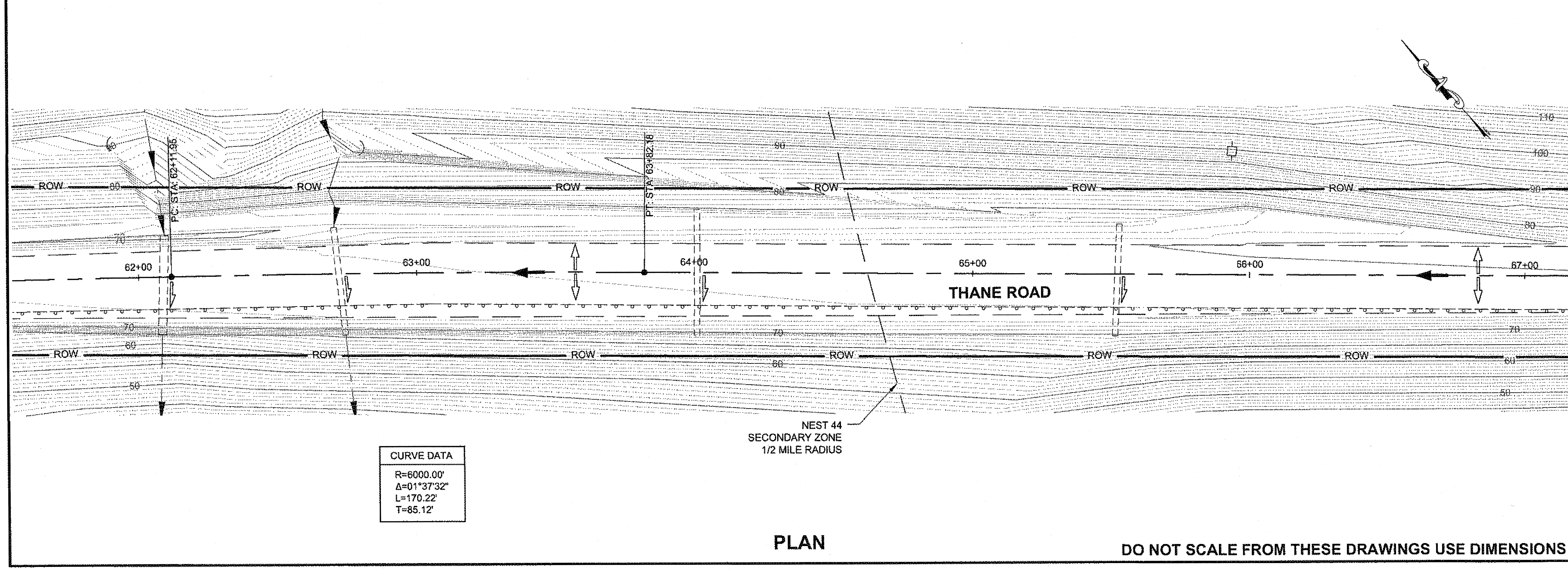
No.	DATE	DESCRIPTION



PLAN



PLAN LEGEND



PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340

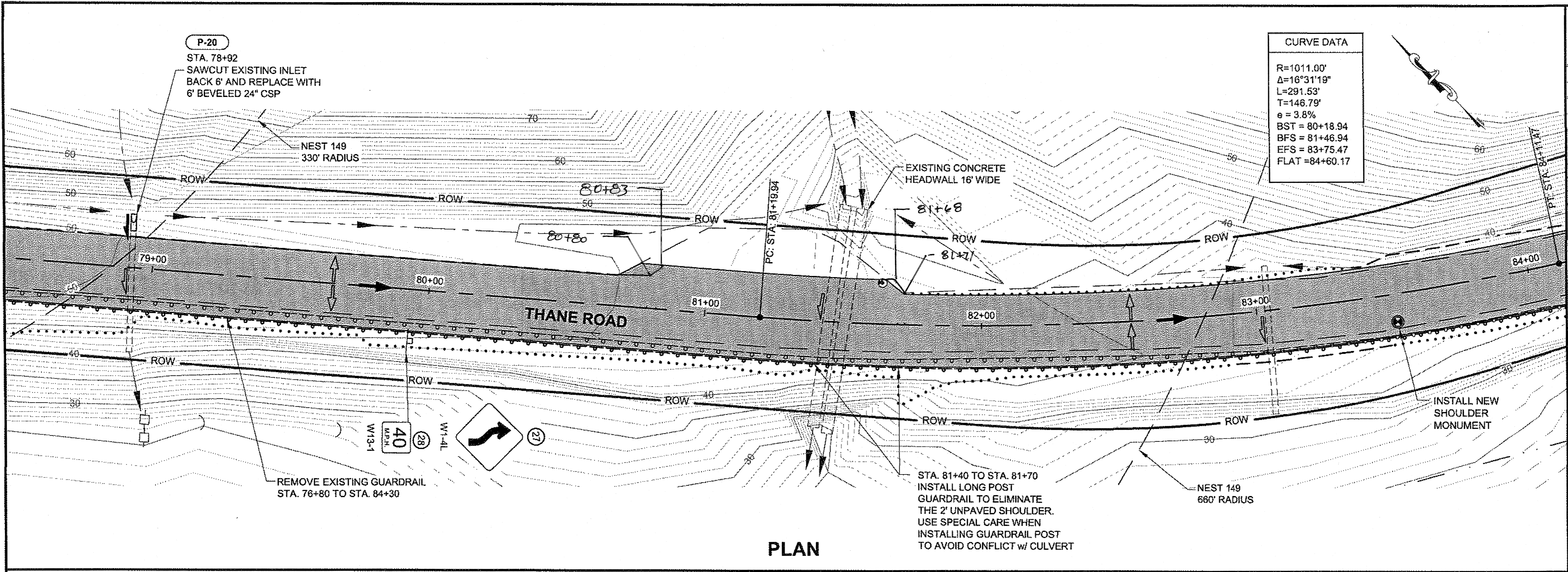
PLAN VIEW

PROJECT DESIGNATION

69340

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F6	63

JSK 4/9/14
27 of 66



PLAN

CURVE DATA	
R=1011.00'	
Δ=16°31'19"	
L=291.53'	
T=148.79'	
e = 3.8%	
BST = 80+18.94	
BFS = 81+46.94	
EFS = 83+75.47	
FLAT = 84+60.17	

PATH:
Q:\JNU\69340\PLANSET\69340_F1-8_F20-28_PLAN.DWG

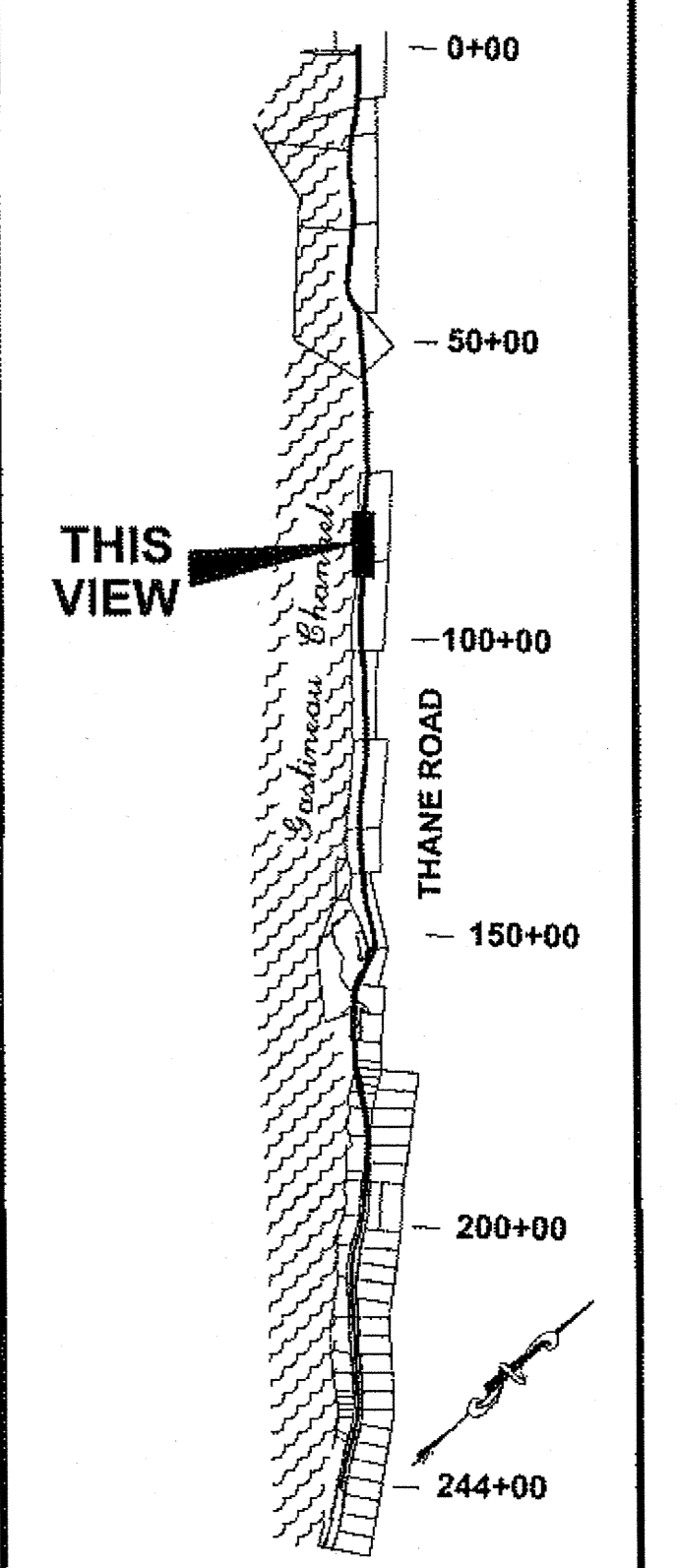
GRANTHAM, RICK L (DOT)
TAB: F8 Friday, August 19, 2011 8:23:38 AM

ADDENDUM NUMBER

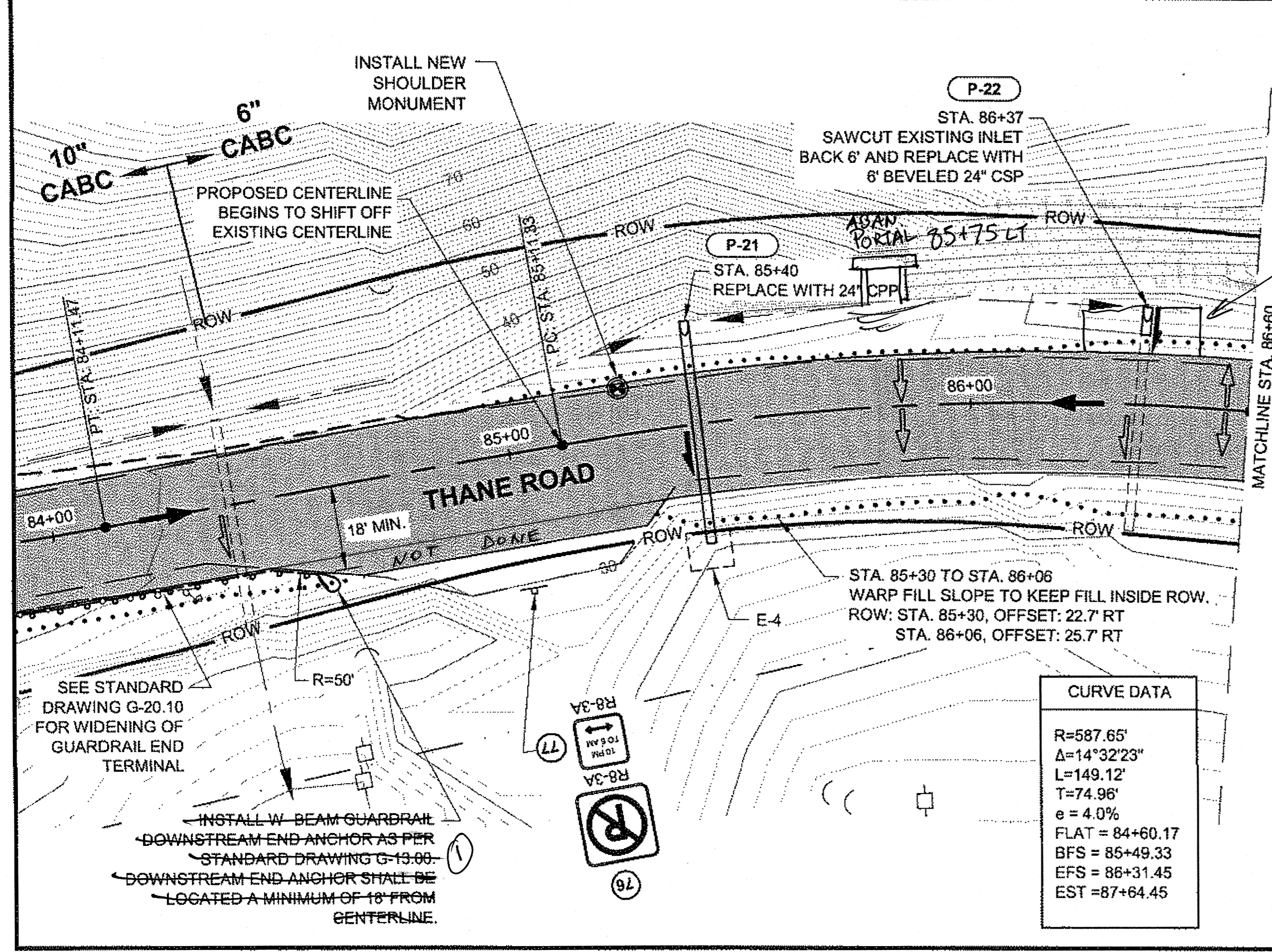
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND



PLAN

CURVE DATA	
R=587.65'	
Δ=14°32'23"	
L=149.12'	
T=74.96'	
e = 4.0%	
FLAT = 84+60.17	
BFS = 85+49.33	
EFS = 86+31.45	
EST = 87+64.45	

① installed parallel end terminal. There is insufficient ROW to construct widened embankment for downstream end anchor.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT REHABILITATION PROJECT #69340

PLAN VIEW

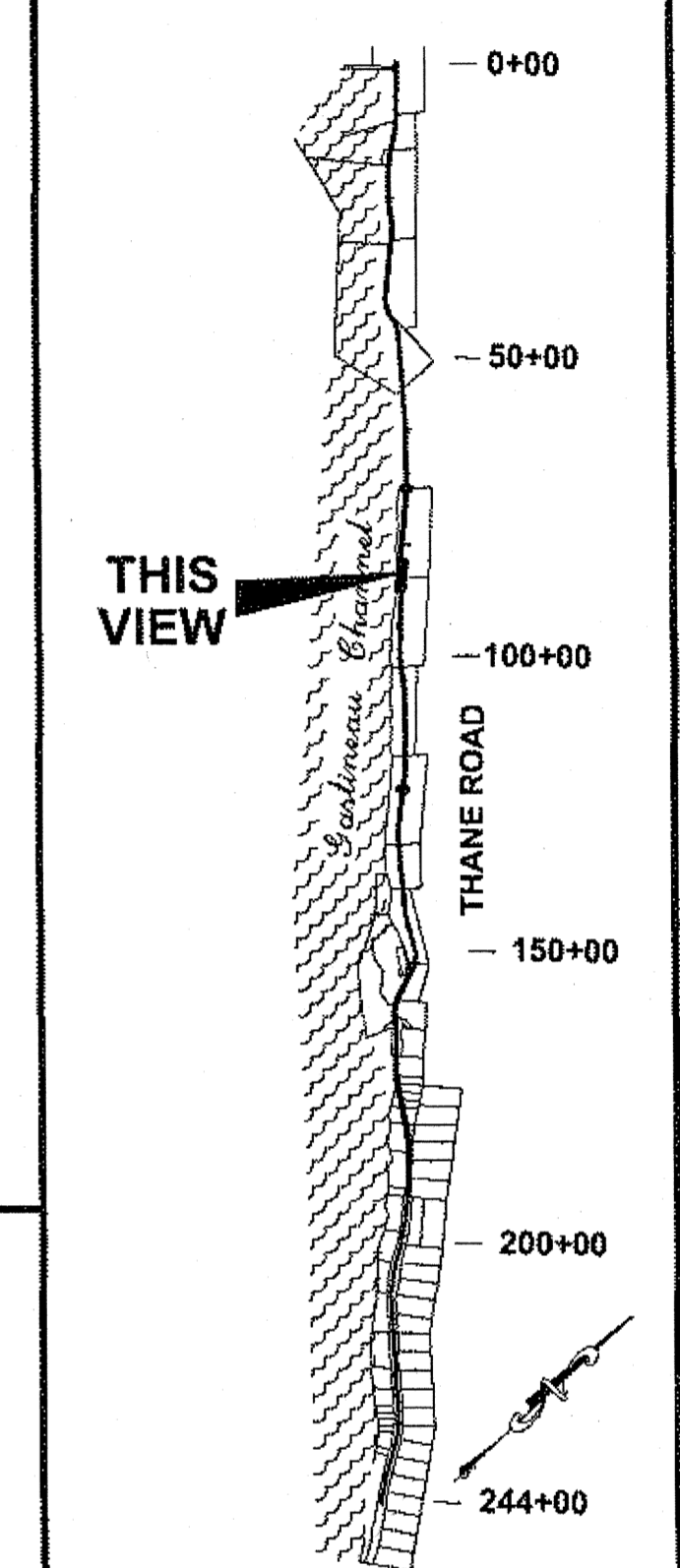
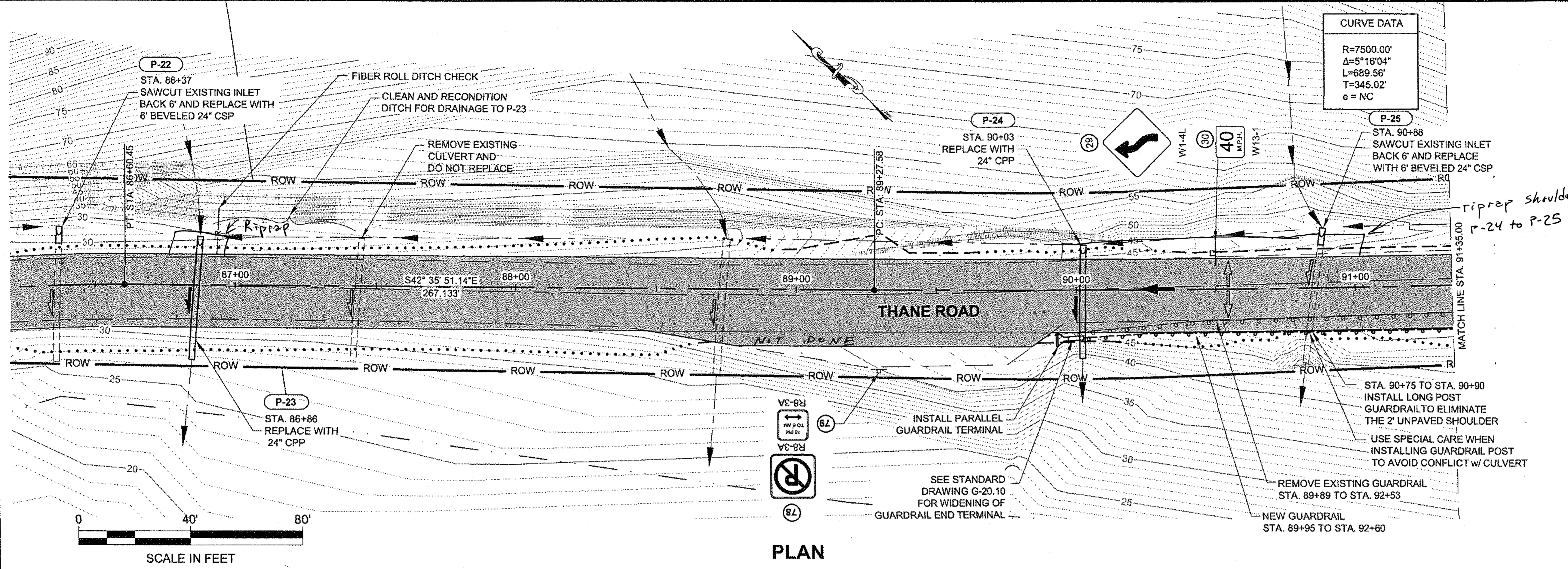
PROJECT DESIGNATION

69340

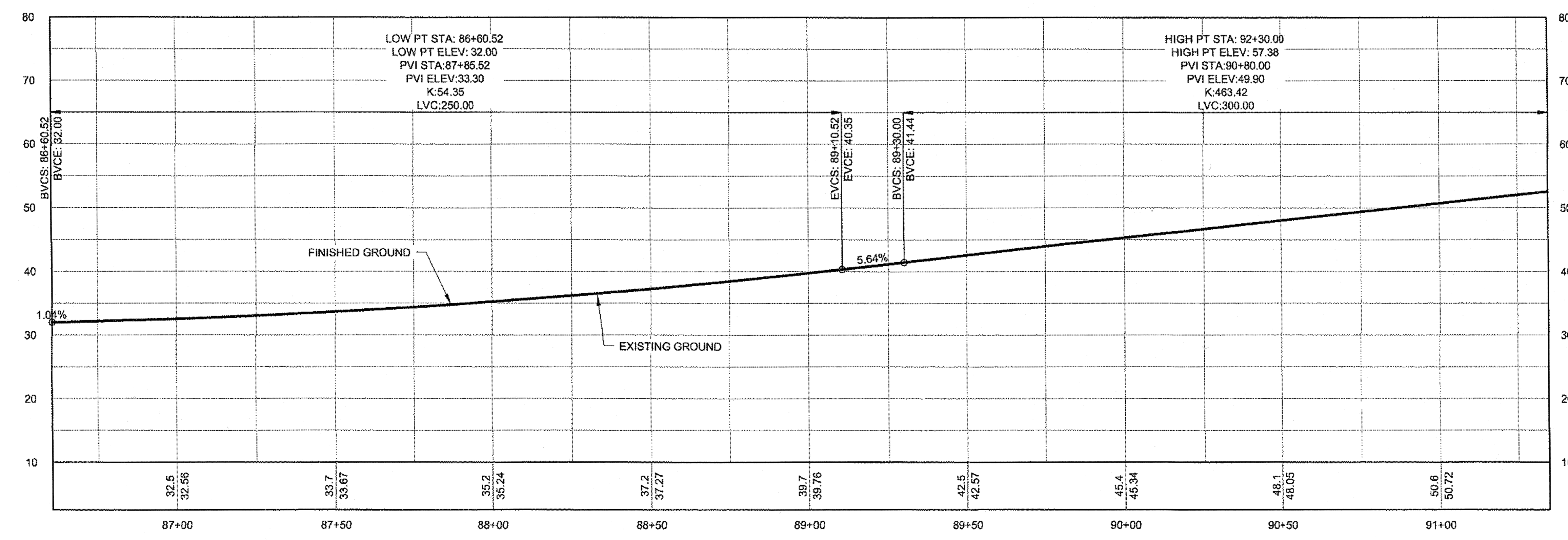
STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F8	63

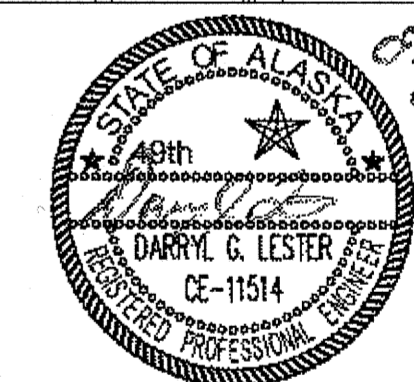
JSK 4/9/14
29 of 66



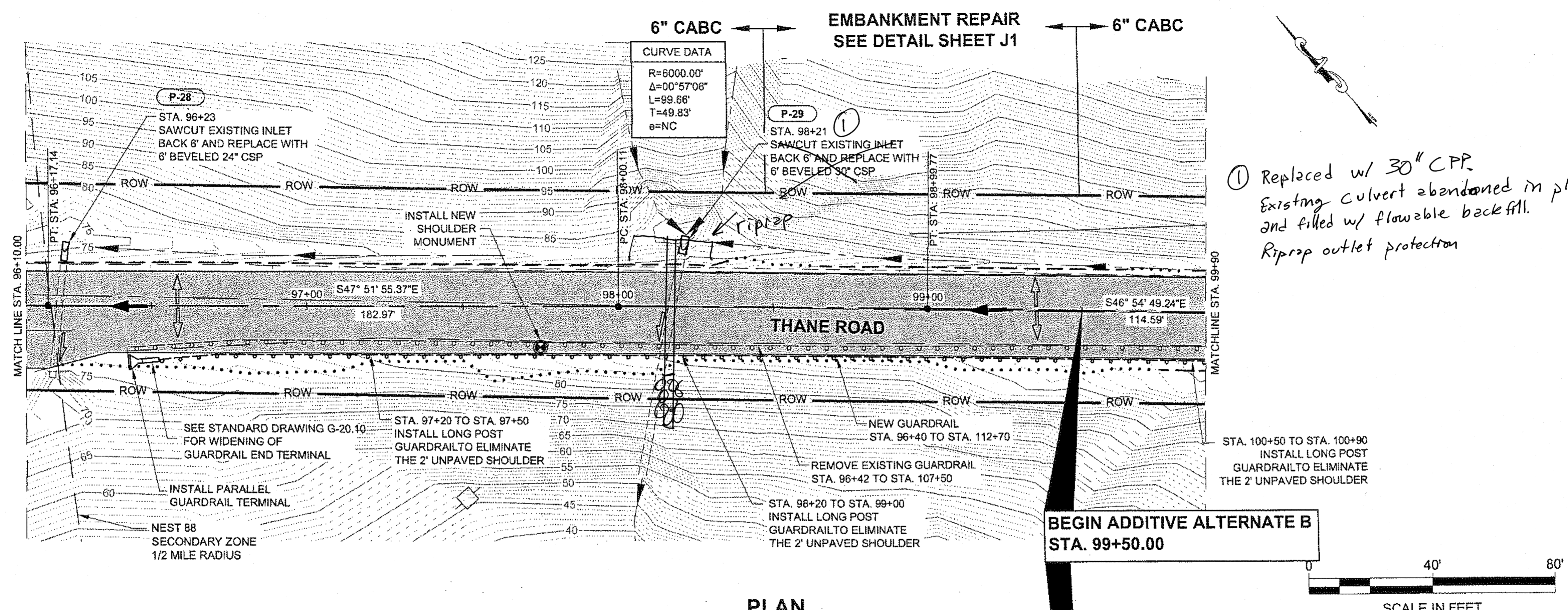
PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE.
 THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLAN LEGEND
 CHECKED BY: D. LESTER

 DESIGNED BY: D. MULLINER
 DRAWN BY: R. GRANHAM
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340
PLAN & PROFILE
 PROJECT DESIGNATION
69340
 STATE ALASKA YEAR 2011
 SHEET NUMBER F9 TOTAL SHEETS 63

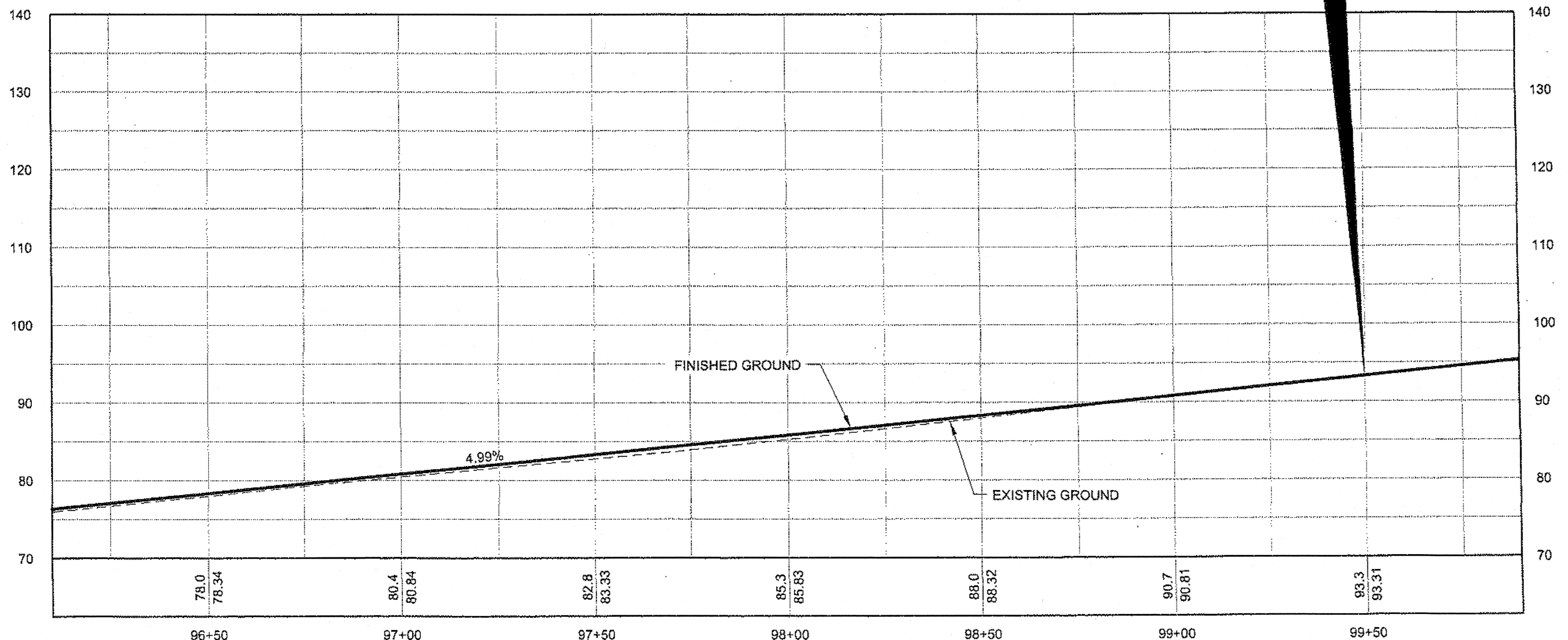
JSK 4/9/14
 30 of 66



PLAN

① Replaced w/ 30" CPP. Existing culvert abandoned in place and filled w/ flowable backfill. Riprap outlet protection

PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE. THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



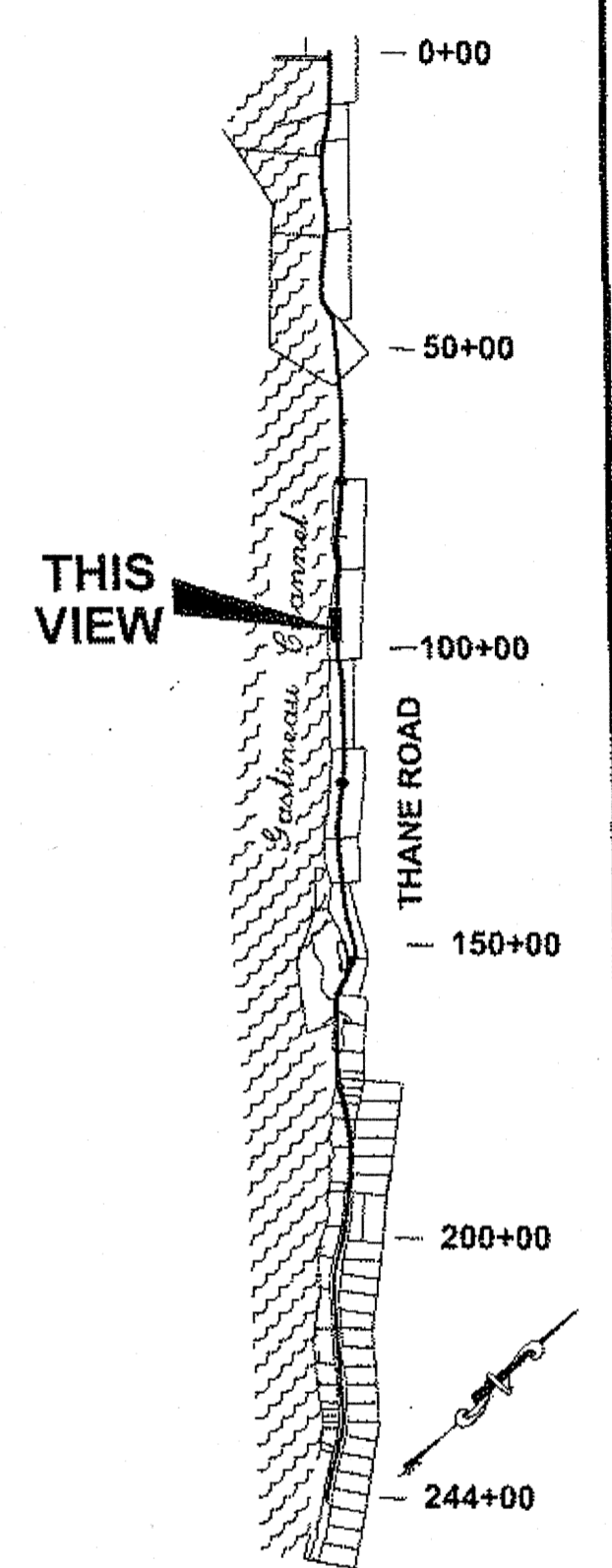
PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU\69340\PLANSET\69340_F11_F17-F19_P-P.DWG

ELLIS, GARY M (DOT)
TAB: F11 Tuesday, October 04, 2011 10:55:49 AM

ADDENDUM NUMBER	3	
ATTACHMENT NUMBER	6	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLNER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT REHABILITATION
PROJECT #69340

ADDITIVE ALTERNATE B PLAN & PROFILE

PROJECT DESIGNATION

69340

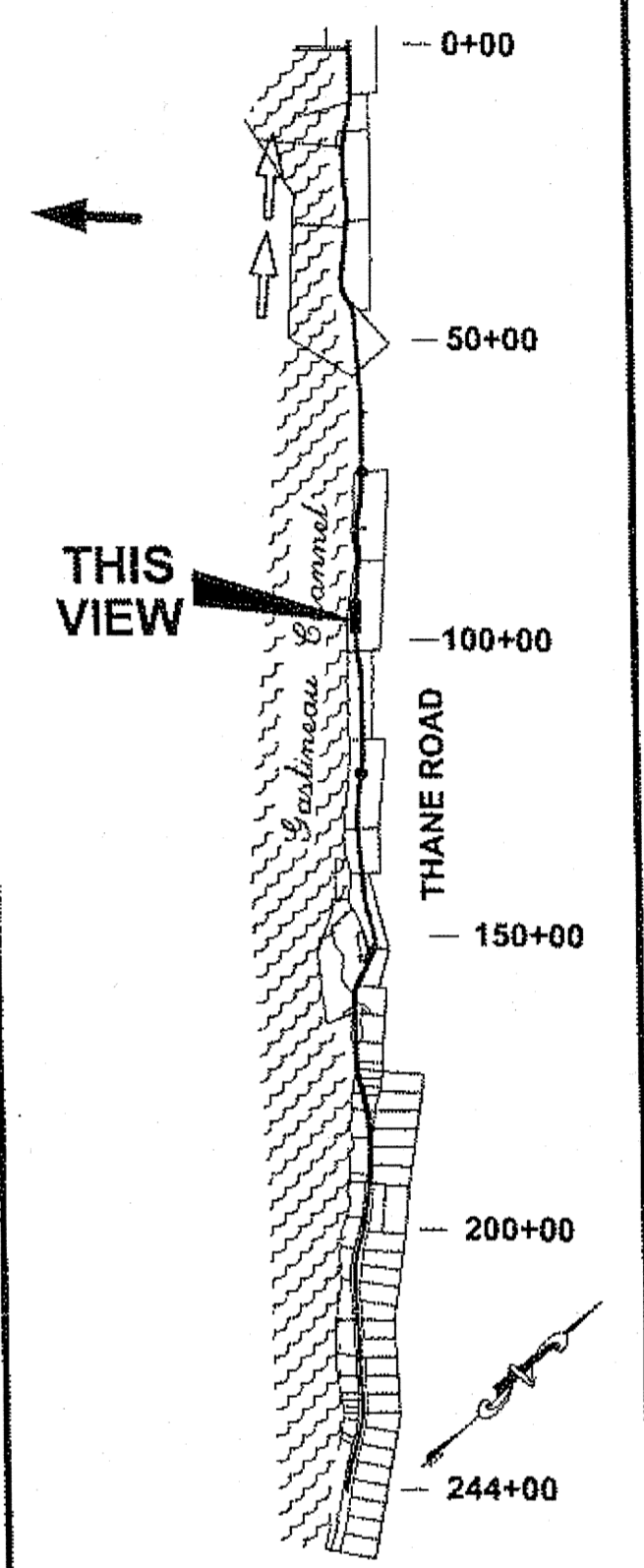
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F11	63

JSK
4/19/14
32 of 66

PATH:
Q:\JNU\69340\PLANSET\69340_F12-F16_P-P.DWG

GEARY, NATE (DOT)
TAB: F12 Tuesday, October 04, 2011 2:10:13 PM

ADDENDUM NUMBER		
ATTACHMENT NUMBER	3	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

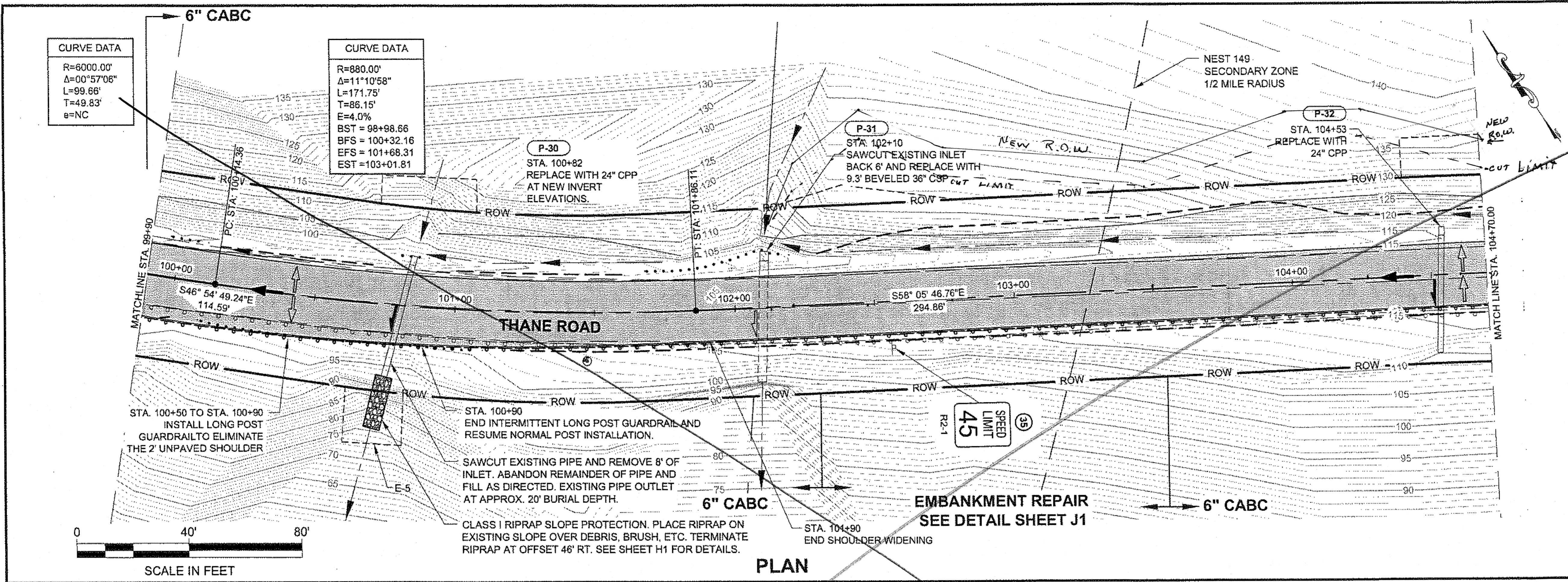
JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340
**ADDITIVE
ALTERNATE B
PLAN & PROFILE**

PROJECT DESIGNATION
69340

STATE	YEAR
ALASKA	2011

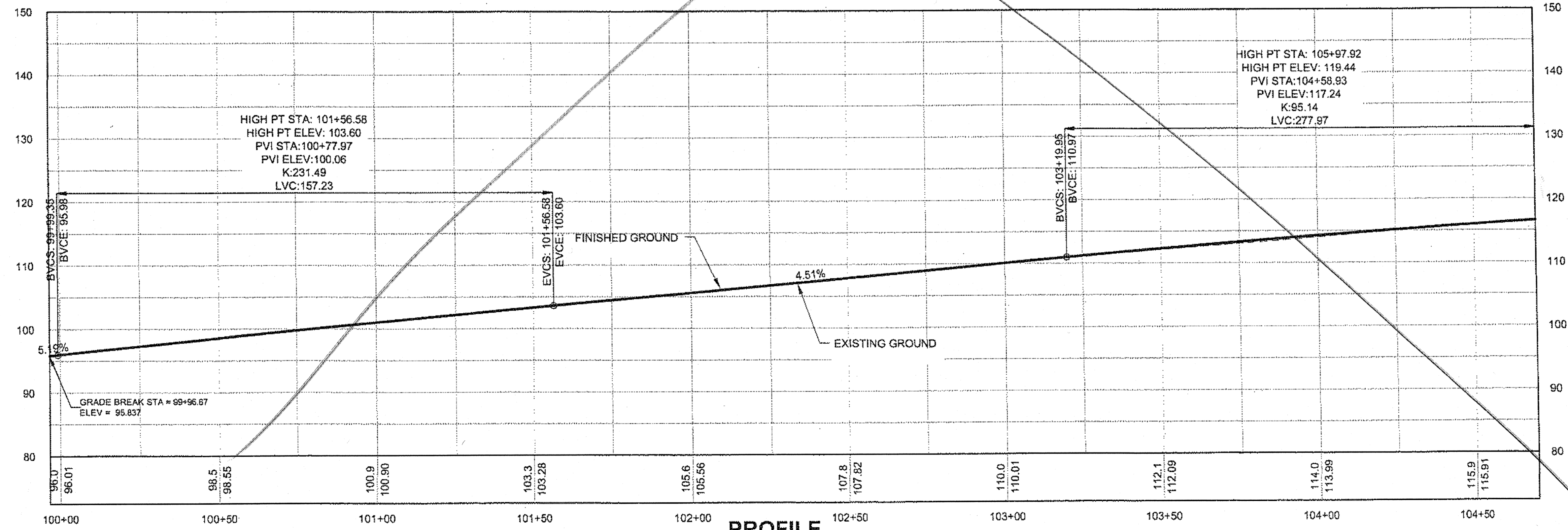
SHEET NUMBER	TOTAL SHEETS
F12	63

33 of 66



PLAN

PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE.
THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.

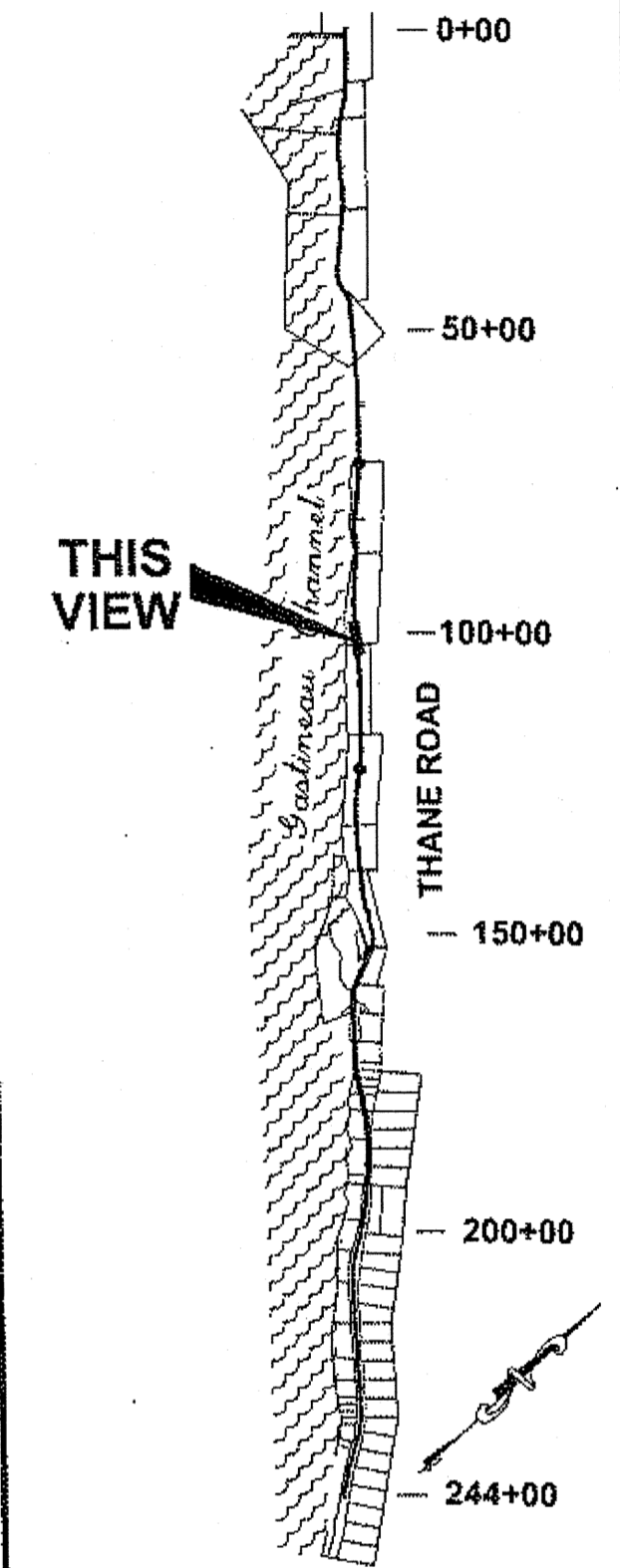


PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU\69340\PLANSET\69340_F12-F16_P-P.DWG
 GEARY, NATE (DOT)
 TAB: F13 Tuesday, October 04, 2011 11:00:22 AM

ADDENDUM NUMBER	3	
ATTACHMENT NUMBER	6	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER

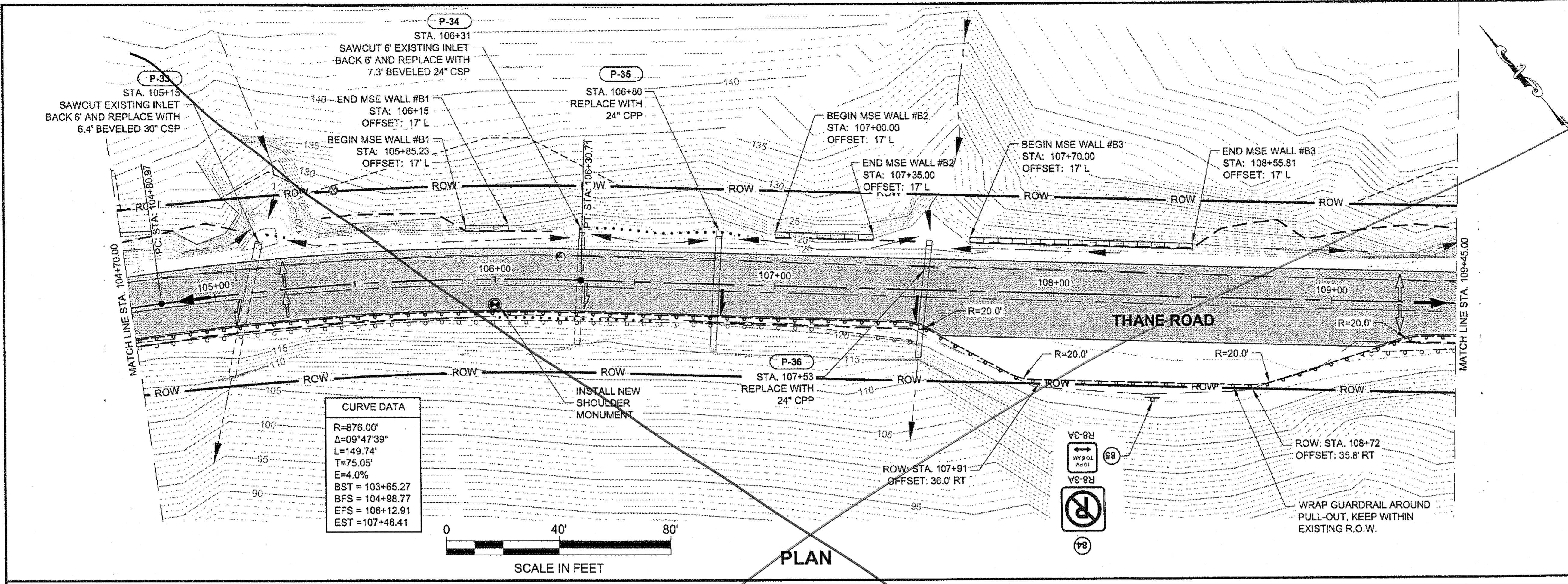
DRAWN BY: R. GRANTHAM
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340
**ADDITIVE
 ALTERNATE B
 PLAN & PROFILE**

PROJECT DESIGNATION
69340

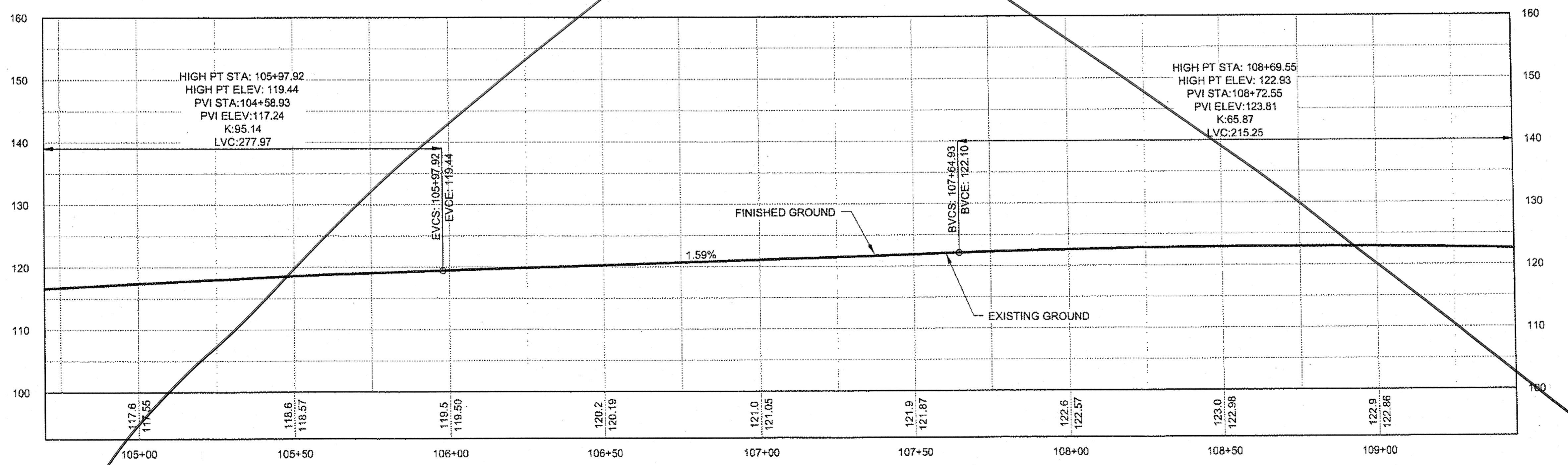
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F13	63

34 of 66



PLAN

PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE.
 THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



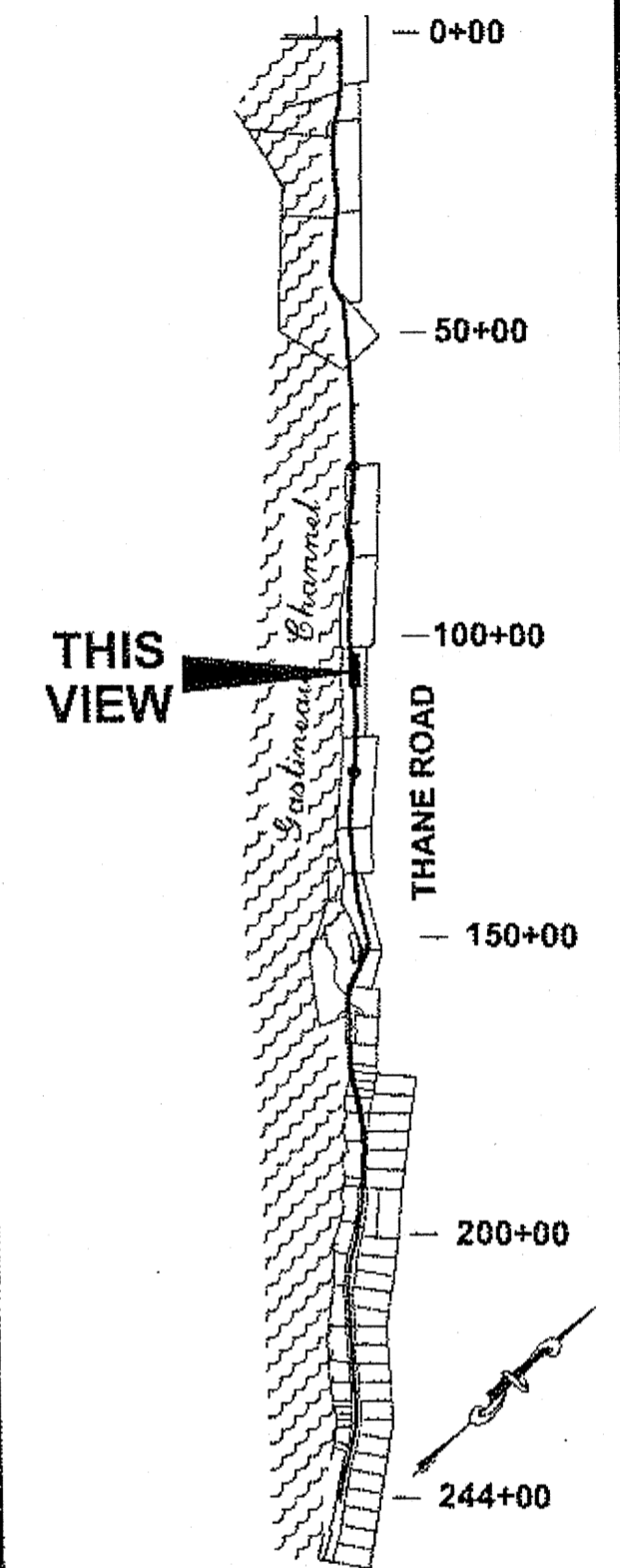
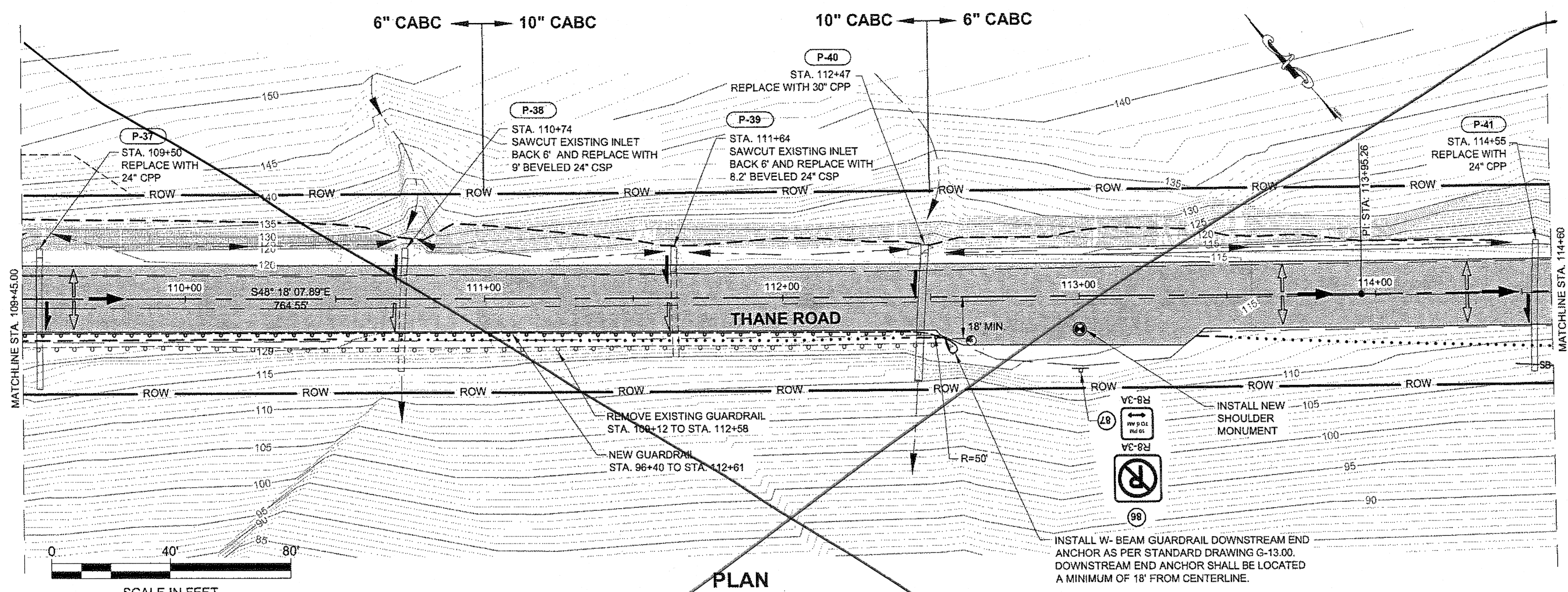
PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

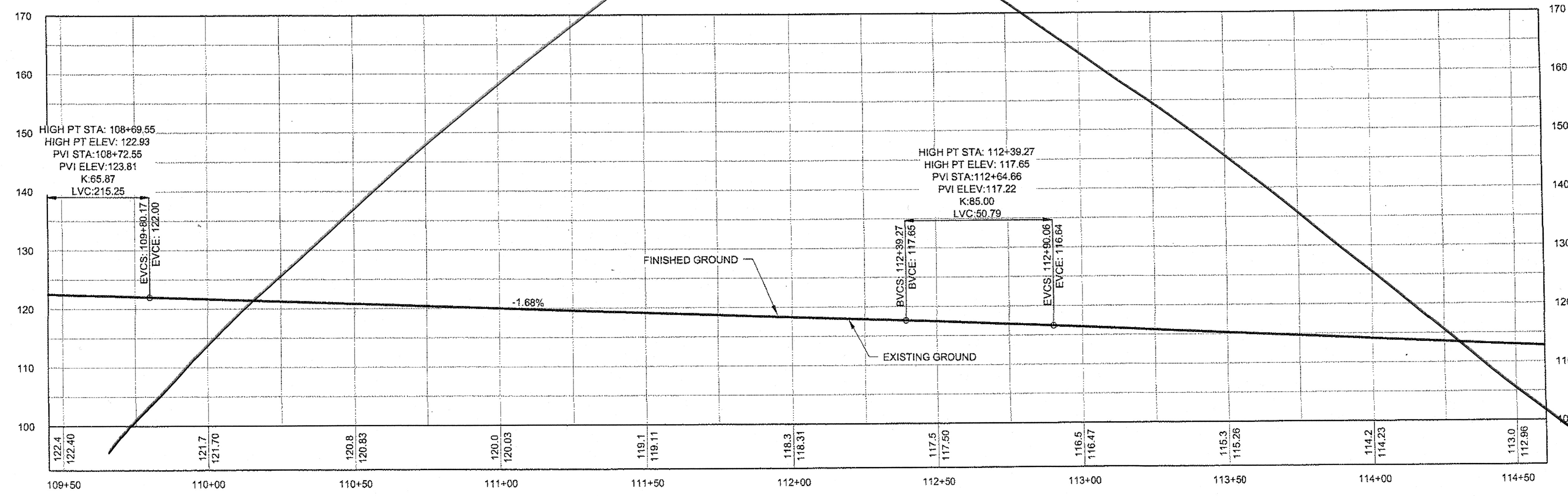
PATH:
Q:\JNU\69340\PLANS\SET\69340_F12-F16_P-P.DWG

ELLIS, GARY M (DOT)
TAB: F14 Tuesday, October 04, 2011 10:58:05 AM

ADDENDUM NUMBER	3	
ATTACHMENT NUMBER	6	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE.
THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER
DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340
**ADDITIVE
ALTERNATE B
PLAN & PROFILE**
PROJECT DESIGNATION

69340

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F14	63

35 of 66

PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
Q:\UNU69340\PLANSET\69340_F12-F16_P-P.DWG

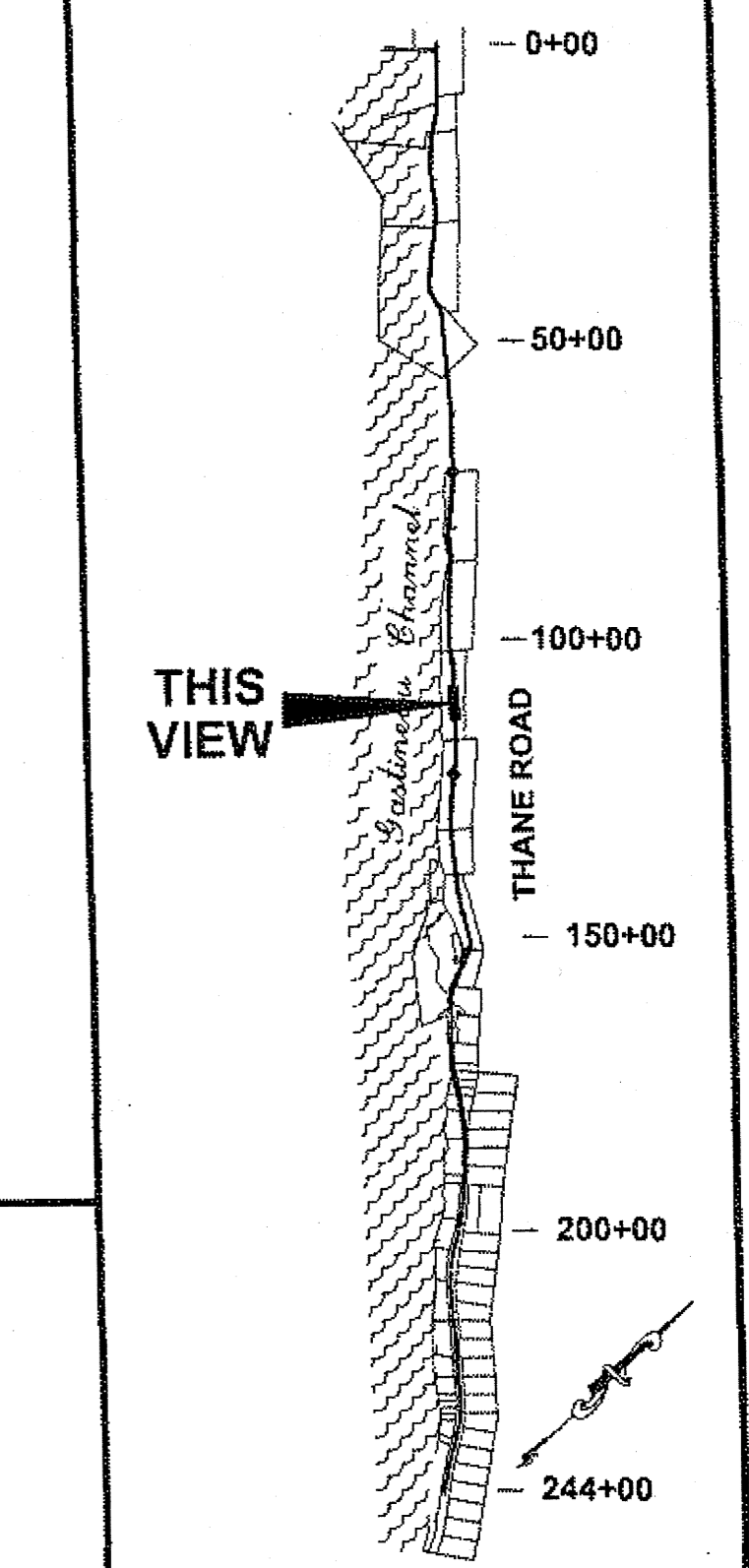
ELLIS, GARY M (DOT)
TAB: F15 Tuesday, October 04, 2011 10:58:28 AM

ADDENDUM NUMBER
3

ATTACHMENT NUMBER
6

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

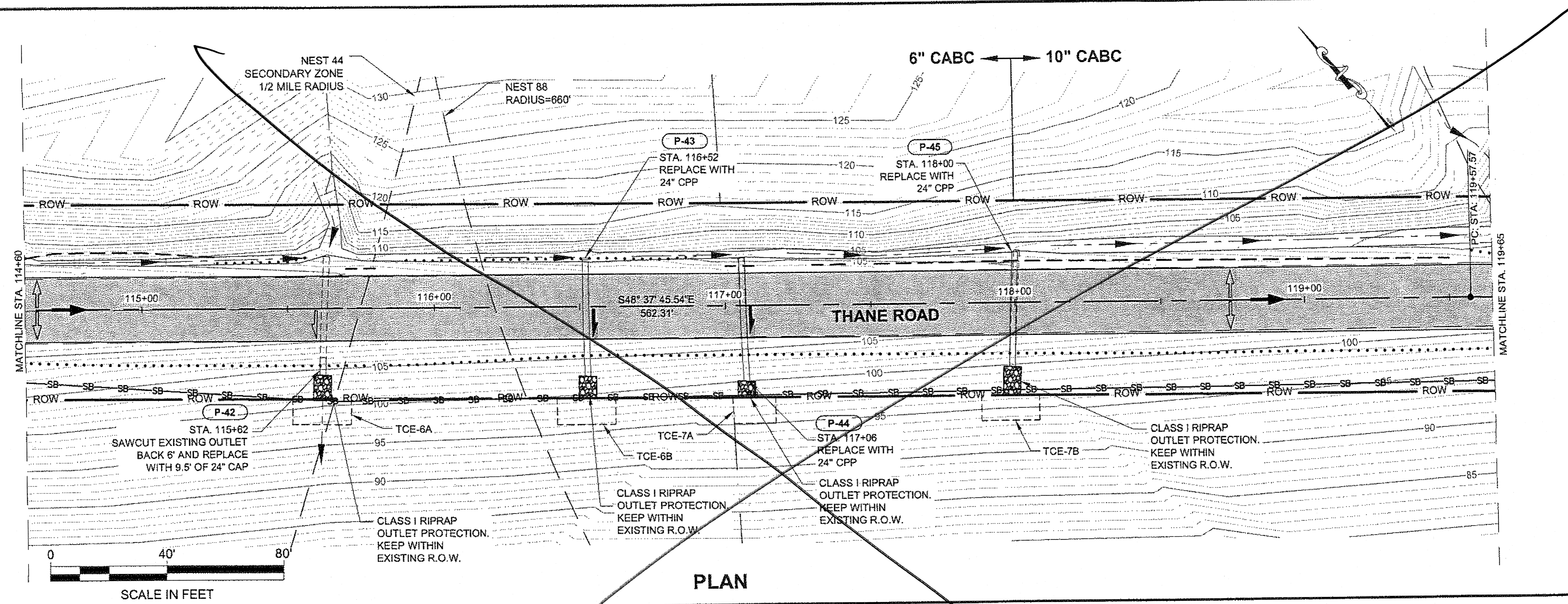
JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340
**ADDITIVE
ALTERNATE B
PLAN & PROFILE**

PROJECT DESIGNATION
69340

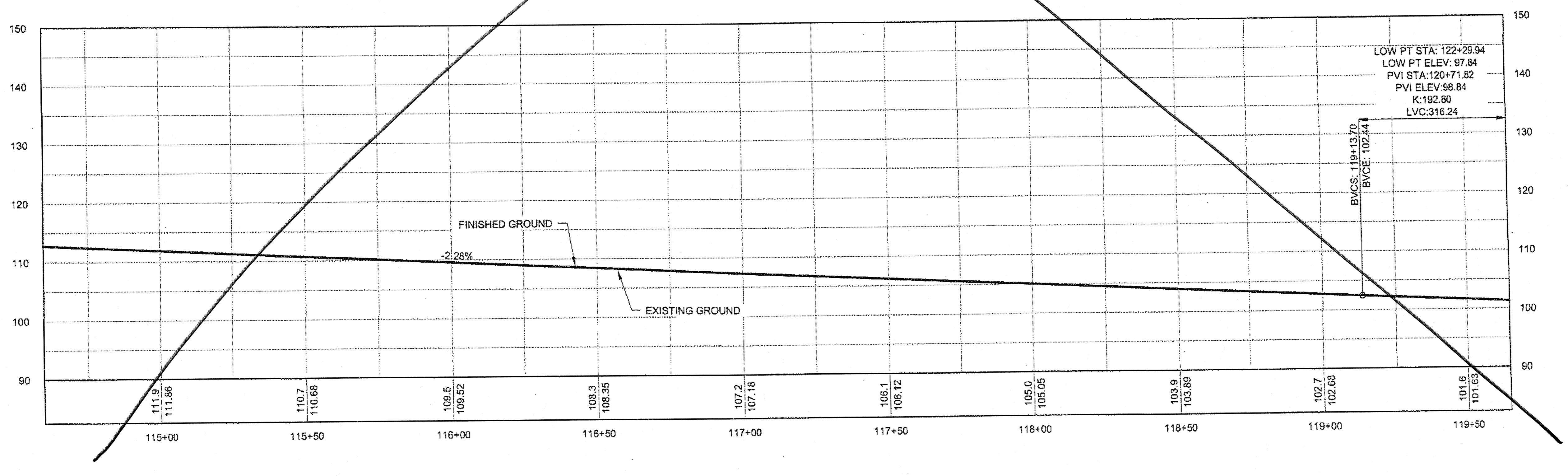
STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F15	63

36 of 66



PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE.
THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



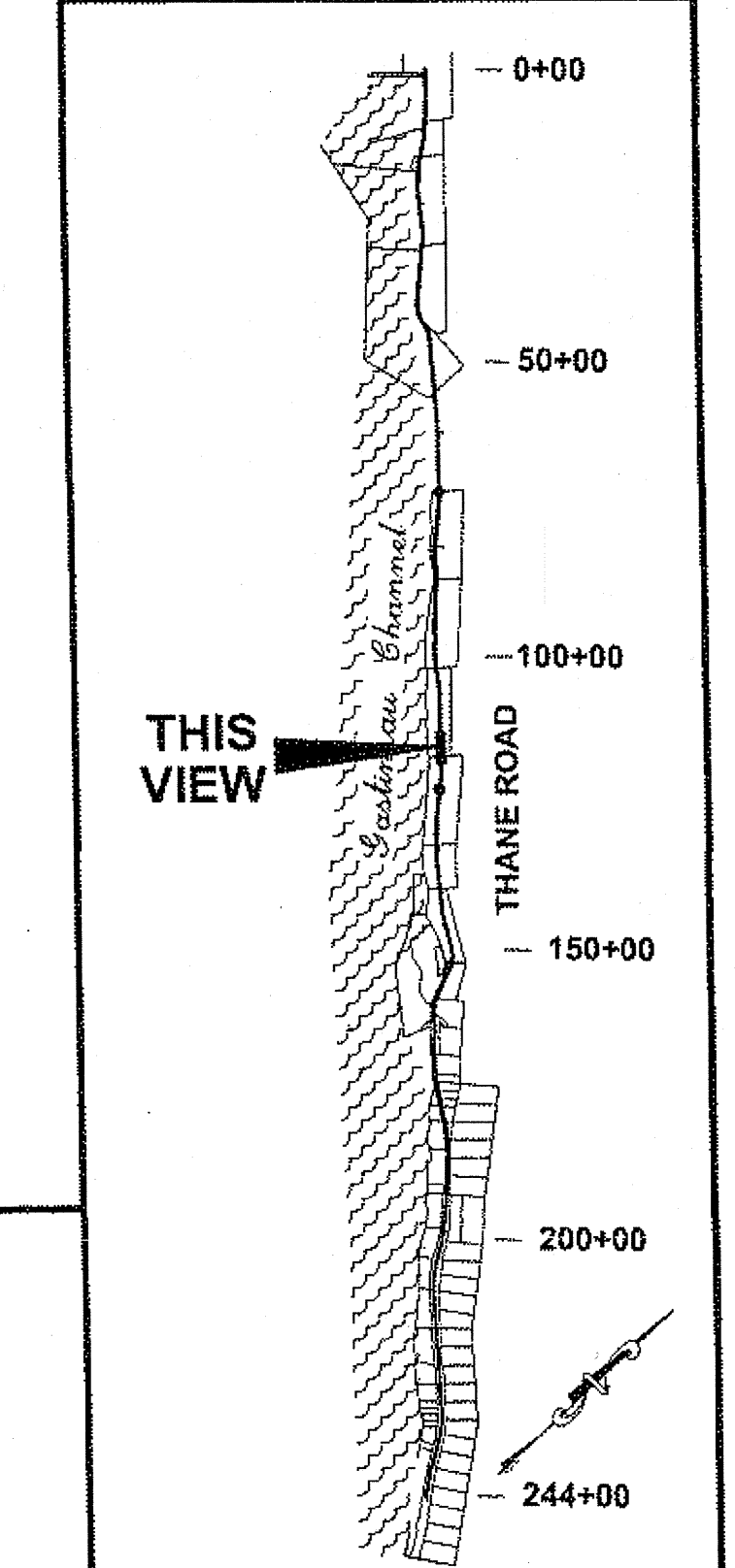
PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
Q:\JNU\69340\PLANSET\69340_F12-F16_P-P.DWG

ELLIS, GARY M (DOT)
TAB: F16 Tuesday, October 04, 2011 10:58:53 AM

ADDENDUM NUMBER	3	
ATTACHMENT NUMBER	6	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



DESIGNED BY: D. MULLINER
DRAWN BY: R. GRANTHAM

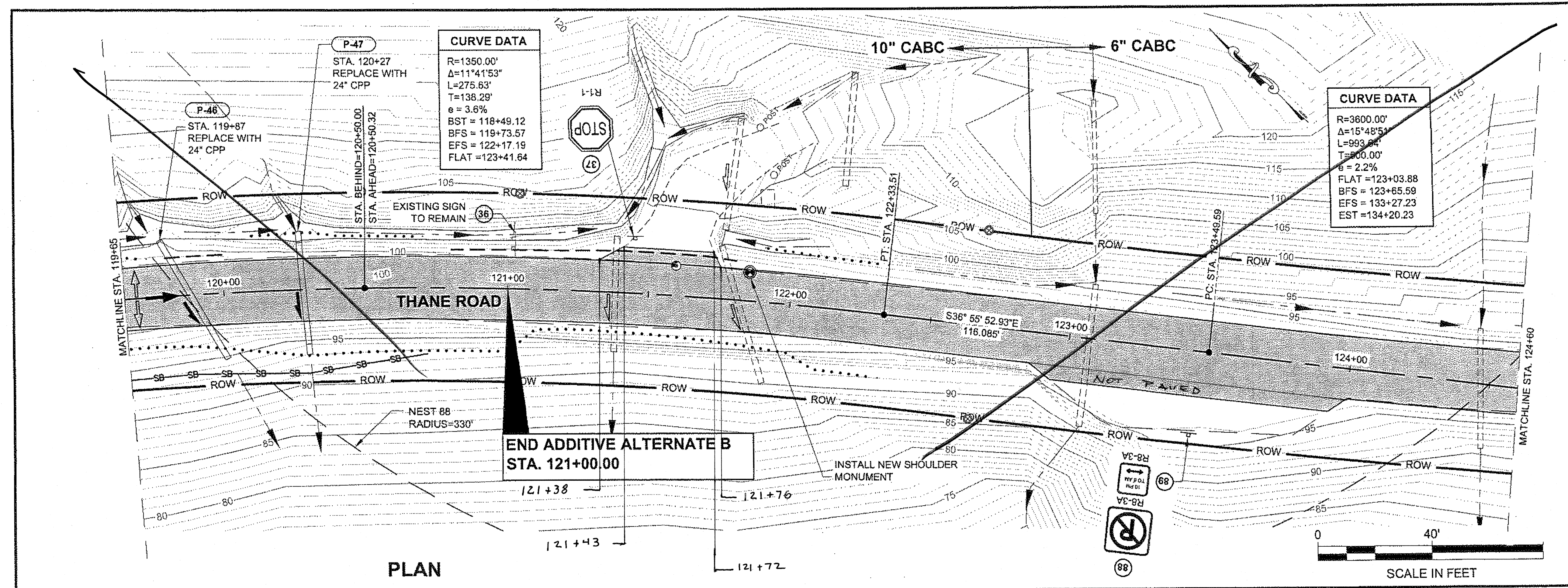
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340
~~ADDITIVE
ALTERNATE B
PLAN & PROFILE~~

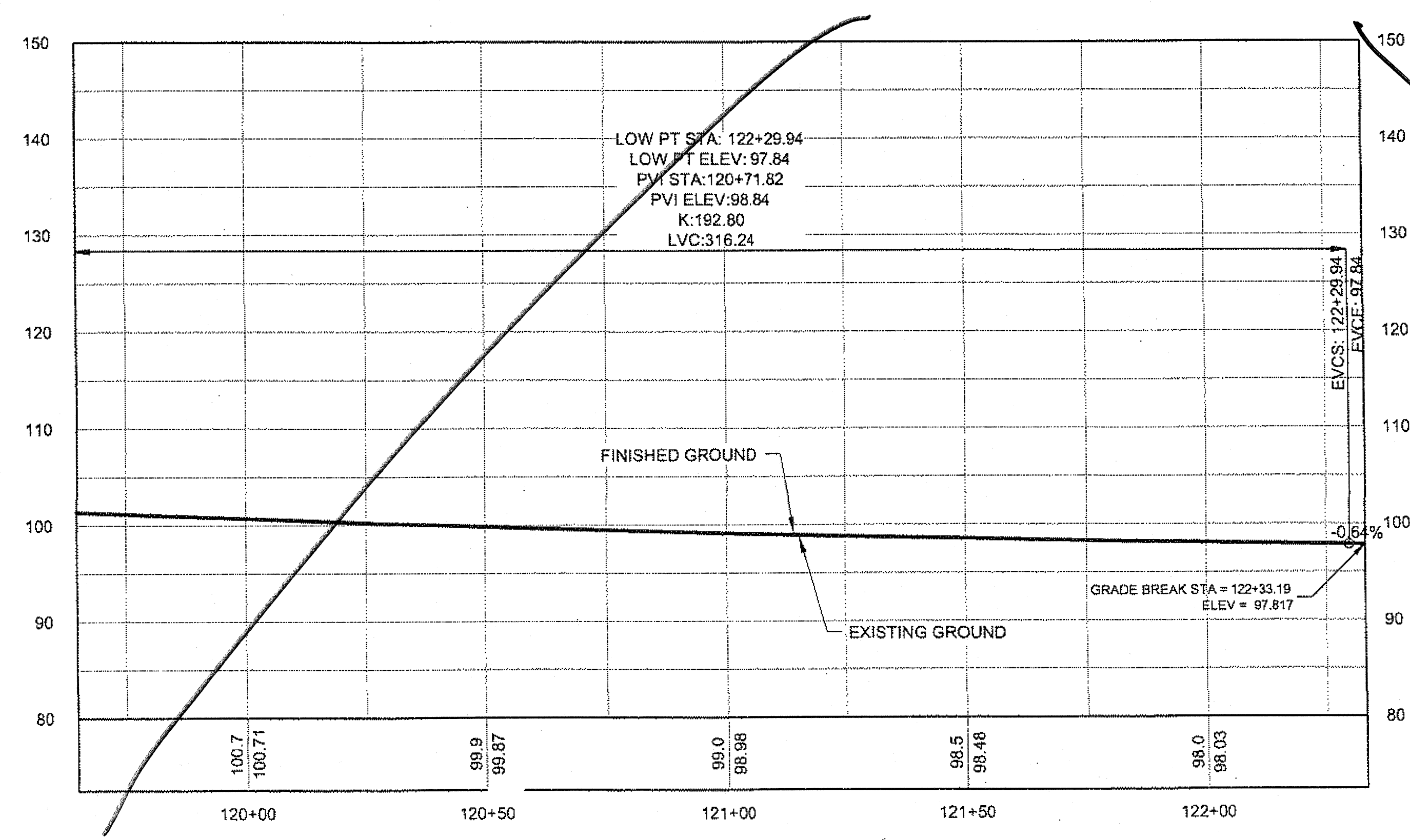
PROJECT DESIGNATION
69340

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F16	63

37 of 66



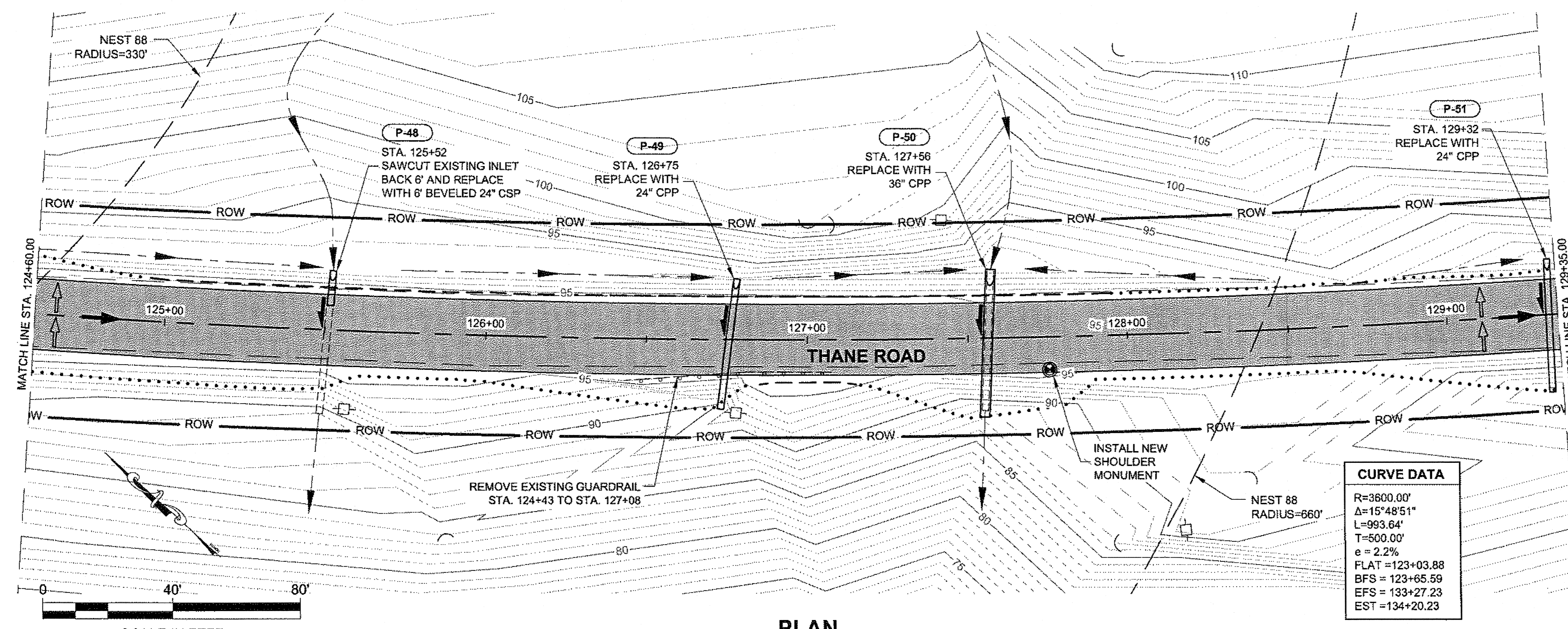
PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE.
THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

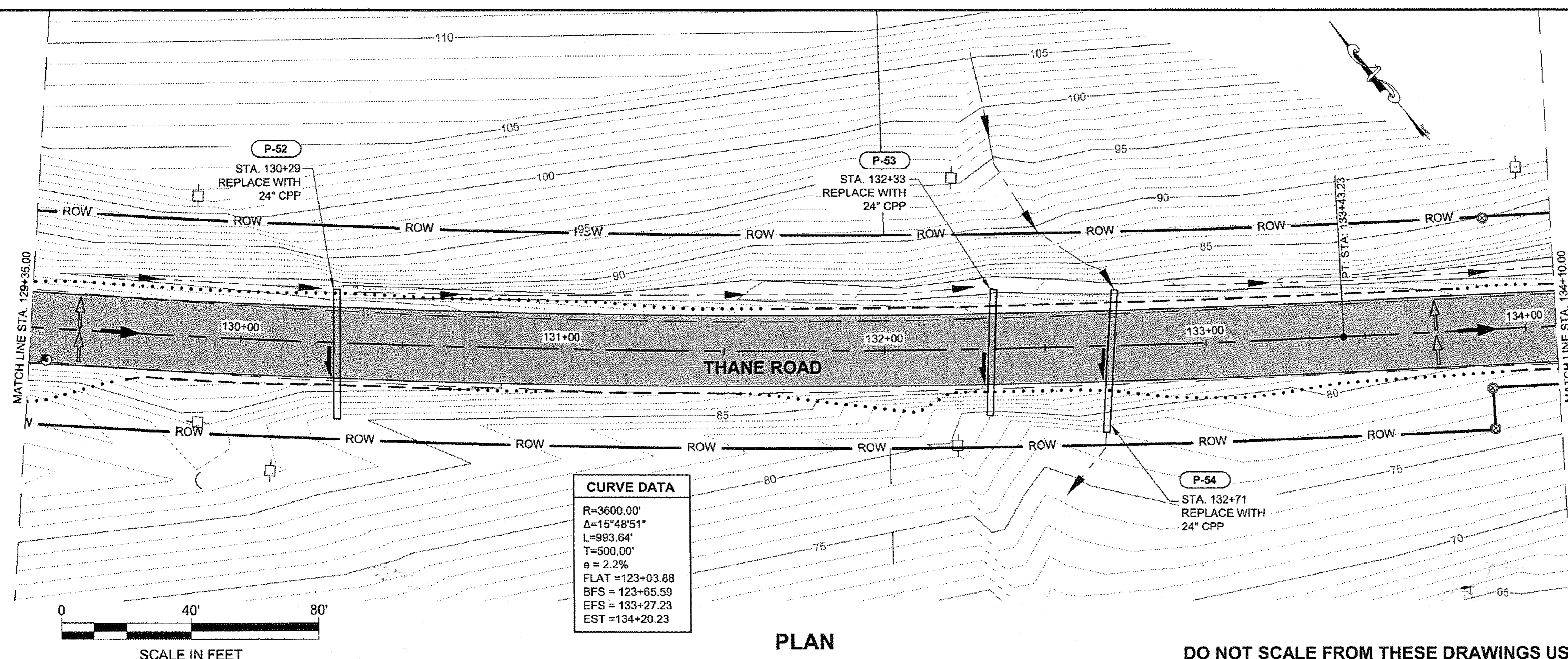
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CURVE DATA

R=3600.00'
Δ=15°48'51"
L=993.64'
T=500.00'
e = 2.2%
FLAT = 123+03.88
BFS = 123+65.59
EFS = 133+27.23
EST = 134+20.23

PLAN

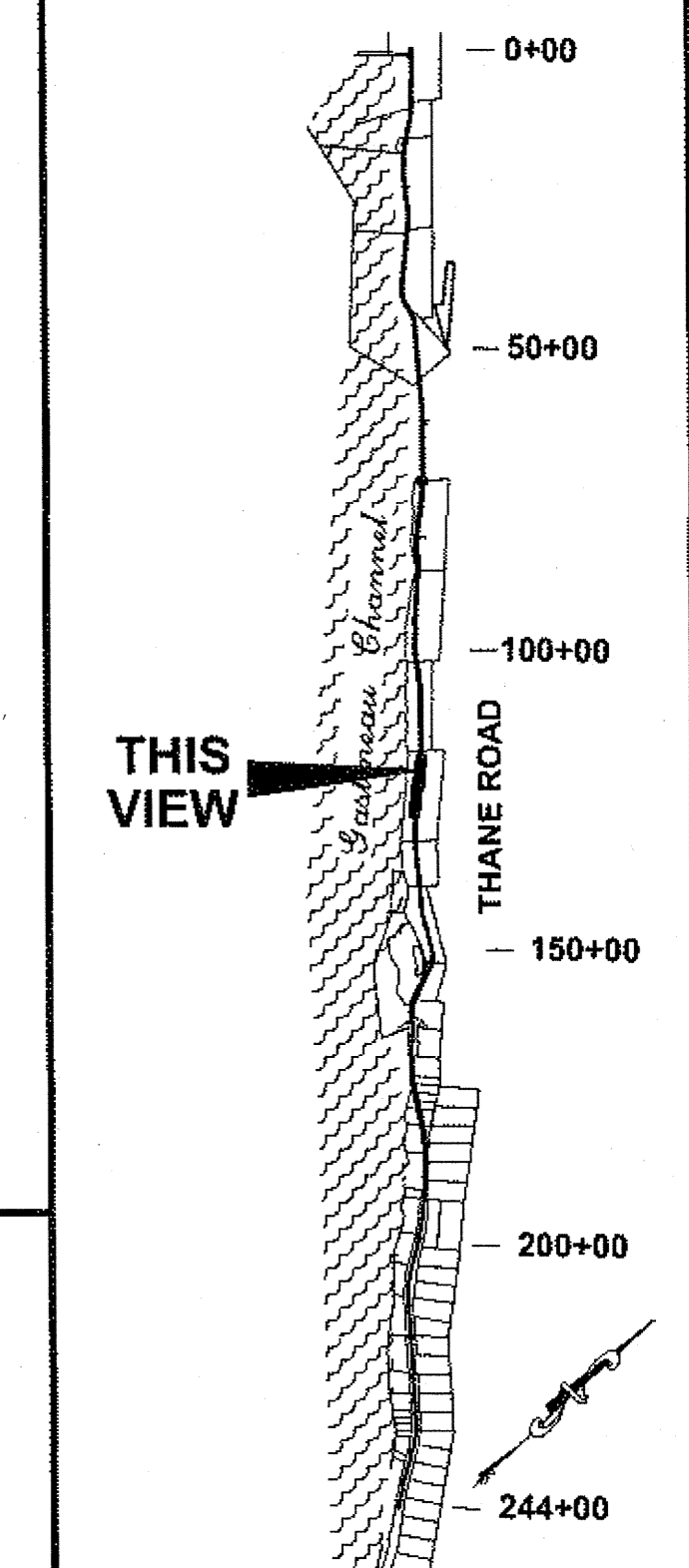


CURVE DATA

R=3600.00'
Δ=15°48'51"
L=993.64'
T=500.00'
e = 2.2%
FLAT = 123+03.88
BFS = 123+65.59
EFS = 133+27.23
EST = 134+20.23

PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN LEGEND

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER
 DRAWN BY: R. GRANTHAM
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION	
69340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F17	63

JSK 4/9/14
 38 of 66

NOT DONE
As of
7-29-12
↓

PATH:
Q:\JUN169340\PLANSET\T-AI69340_F11_F17-F19_P.P.D

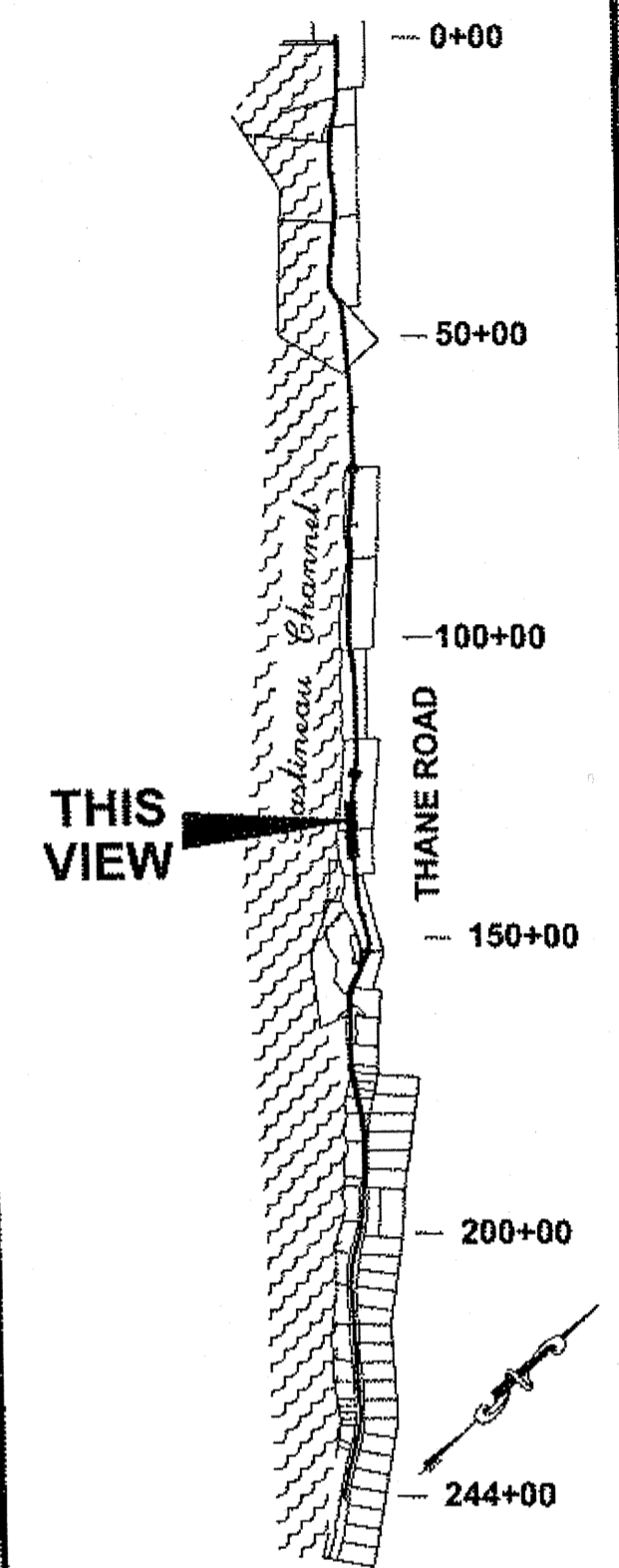
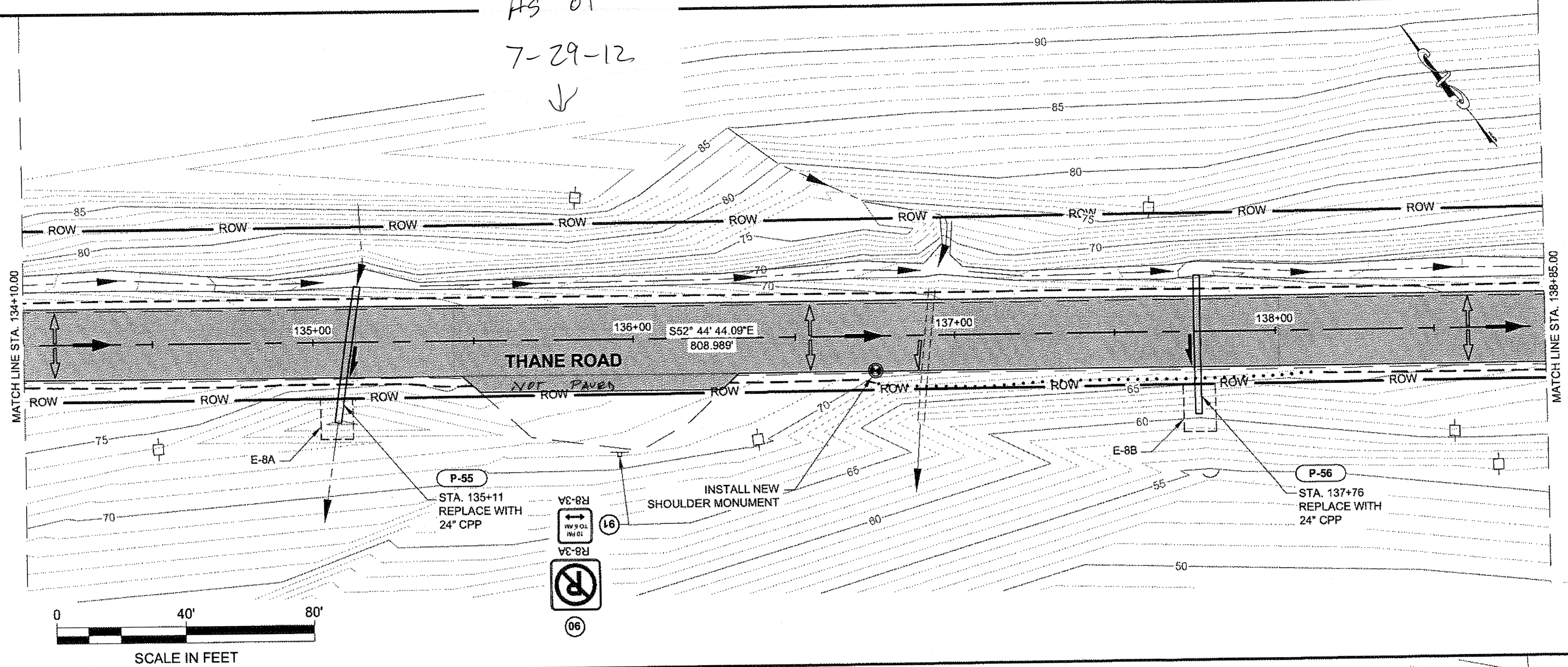
GRANTHAM, RICK L (DOT)
TAB: F18 Tuesday, August 23, 2011 8:52:32 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER
DRAWN BY: R. GRANTHAM

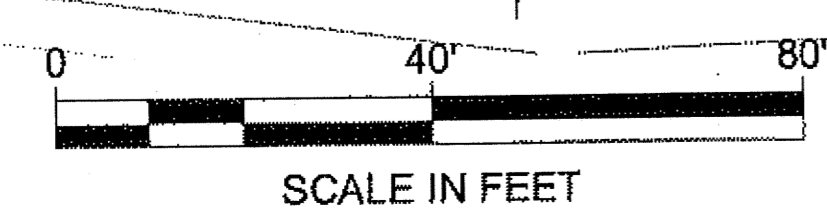
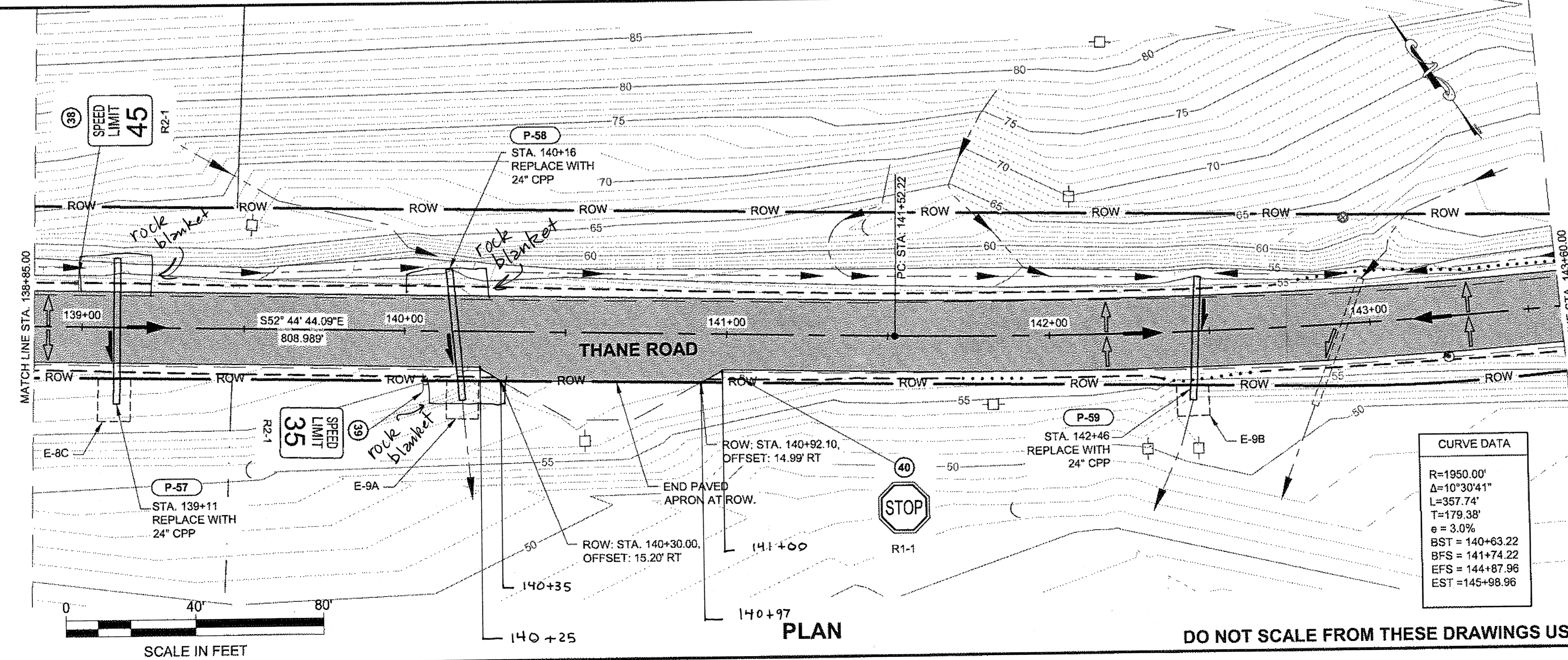
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION
69340

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F18	63



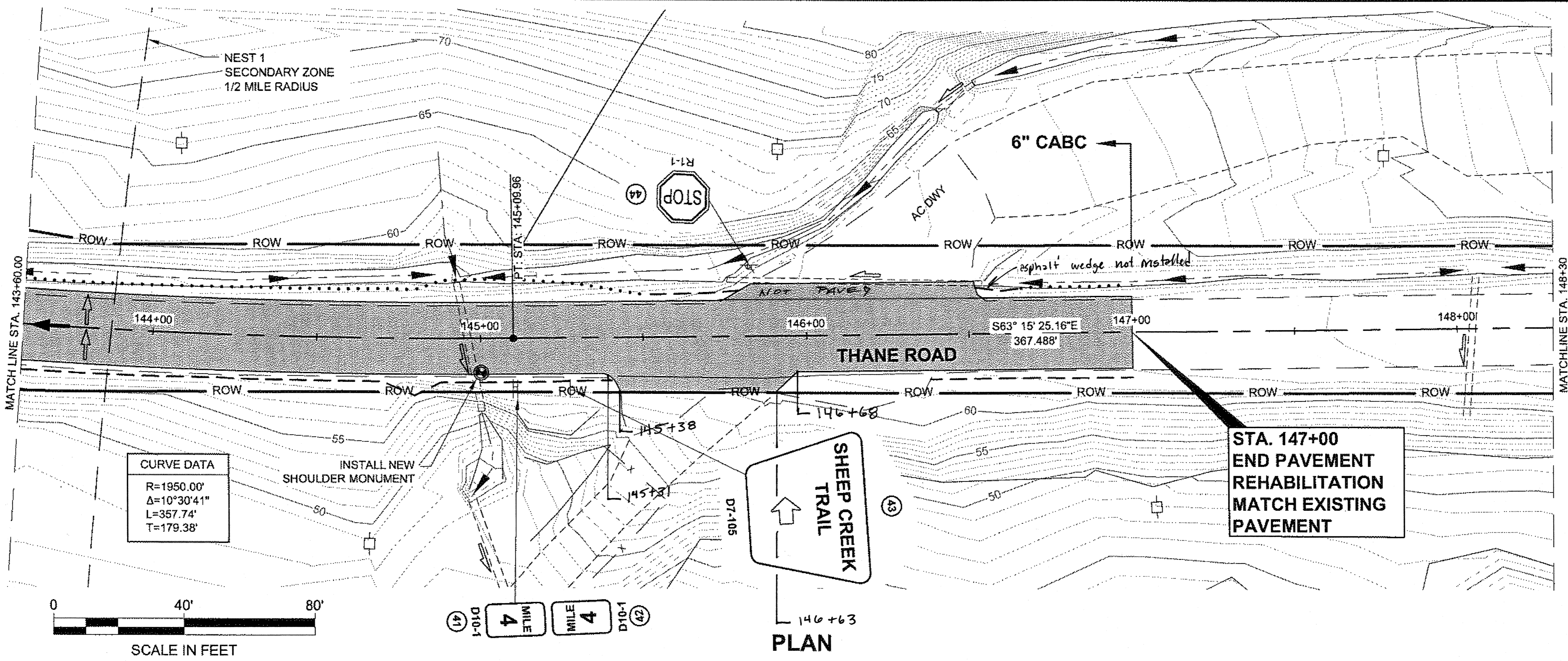
CURVE DATA

R=1950.00'
Δ=10°30'41"
L=357.74'
T=179.38'
e = 3.0%
BST = 140+63.22
BFS = 141+74.22
ES = 144+87.96
EST = 145+98.96

PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

JSK 4/9/14
39 of 66



CURVE DATA
 R=1950.00'
 Δ=10°30'41"
 L=357.74'
 T=179.38'



4 MILE
 D10-1

SHEEP CREEK TRAIL

PLAN

STA. 147+00
 END PAVEMENT
 REHABILITATION
 MATCH EXISTING
 PAVEMENT

PATH:
 Q:\JNU\69340\PLANS\SET\ALT-A\69340_F11_F17-F19_P.P.D

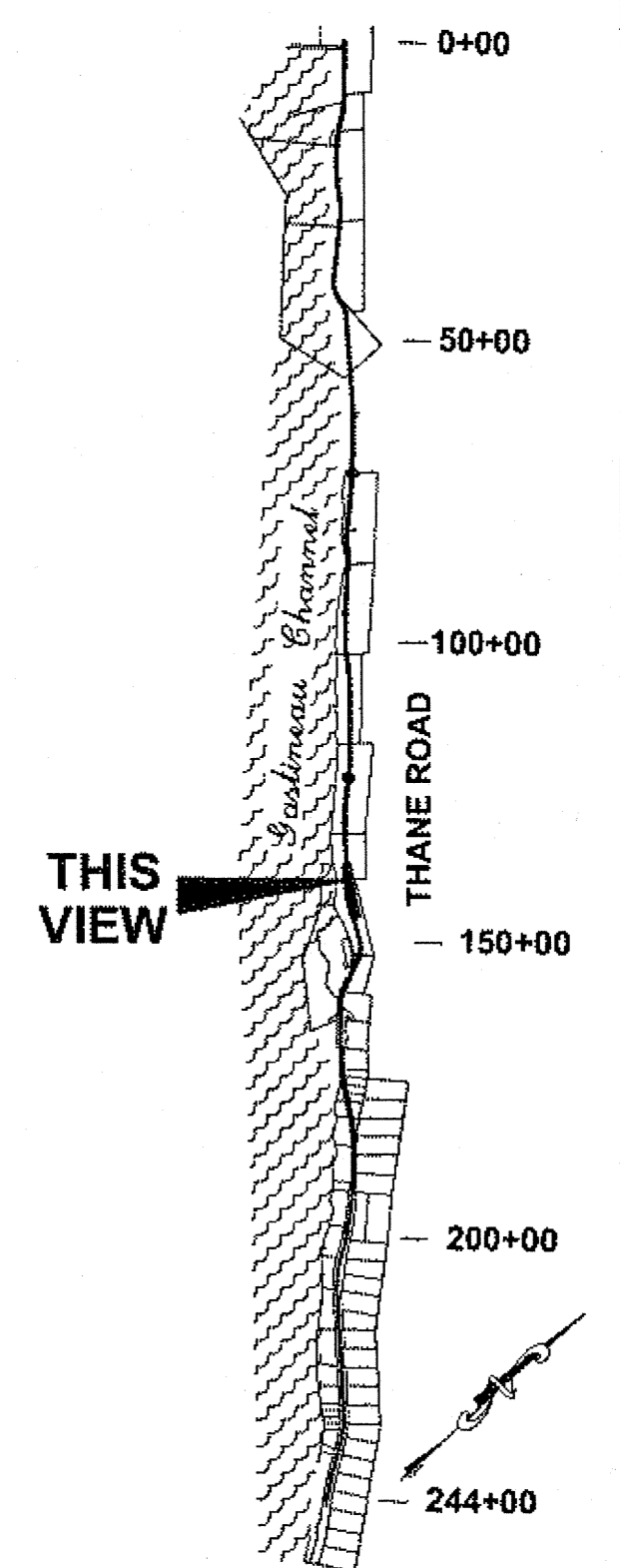
GRANTHAM, RICK L. (DOT)
 TAB: F19 Monday, August 22, 2011 2:43:40 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION

69340

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F19	63

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

JSK 4/9/14
 40 of 66

PATH: Q:\JNU\69340\PLANSET\69340_F1-8_F20-28_PLAN.DWG

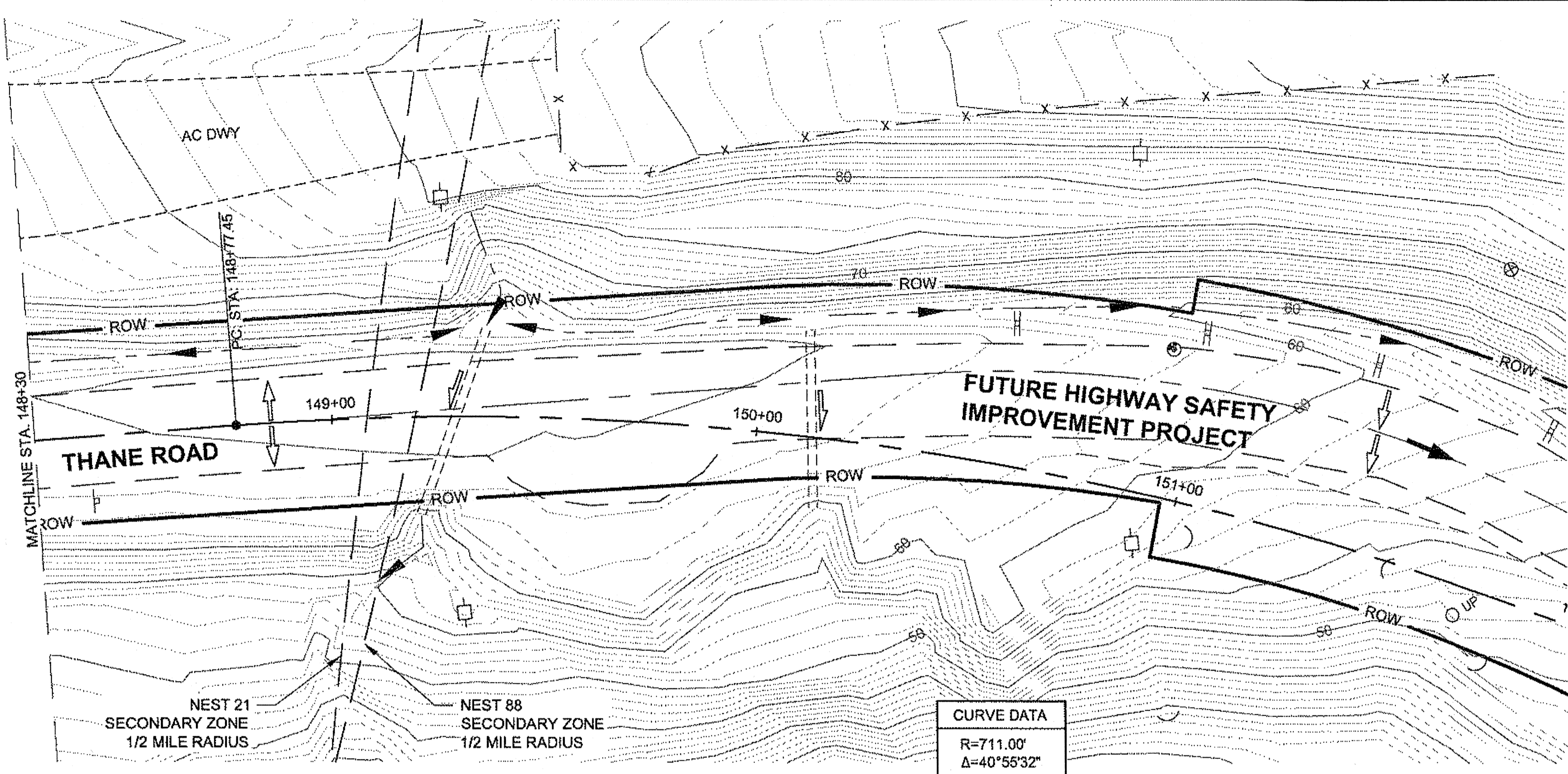
GRANTHAM, RICK L (DOT)
 TAB: F20 Friday, August 19, 2011 8:23:56 AM

ADDENDUM NUMBER

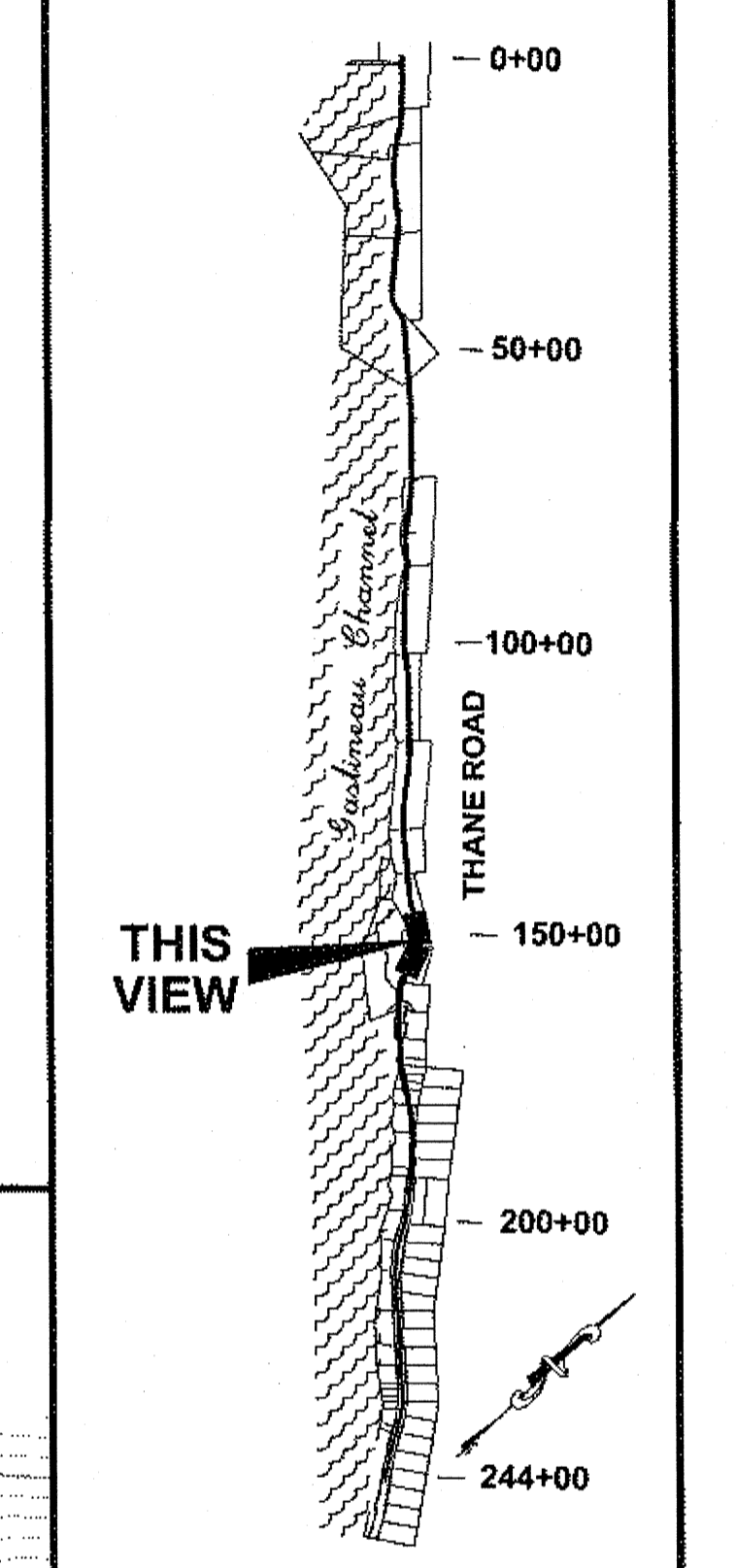
ATTACHMENT NUMBER

RECORD OF REVISIONS

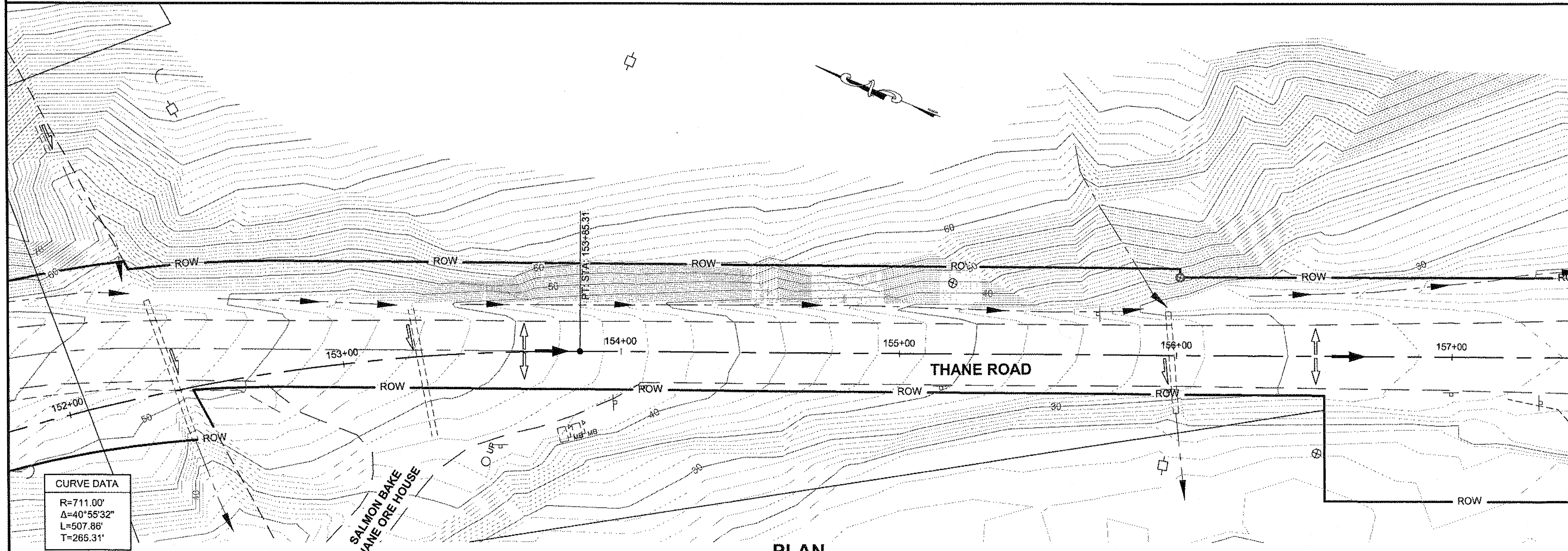
No.	DATE	DESCRIPTION



PLAN



PLAN LEGEND



PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION

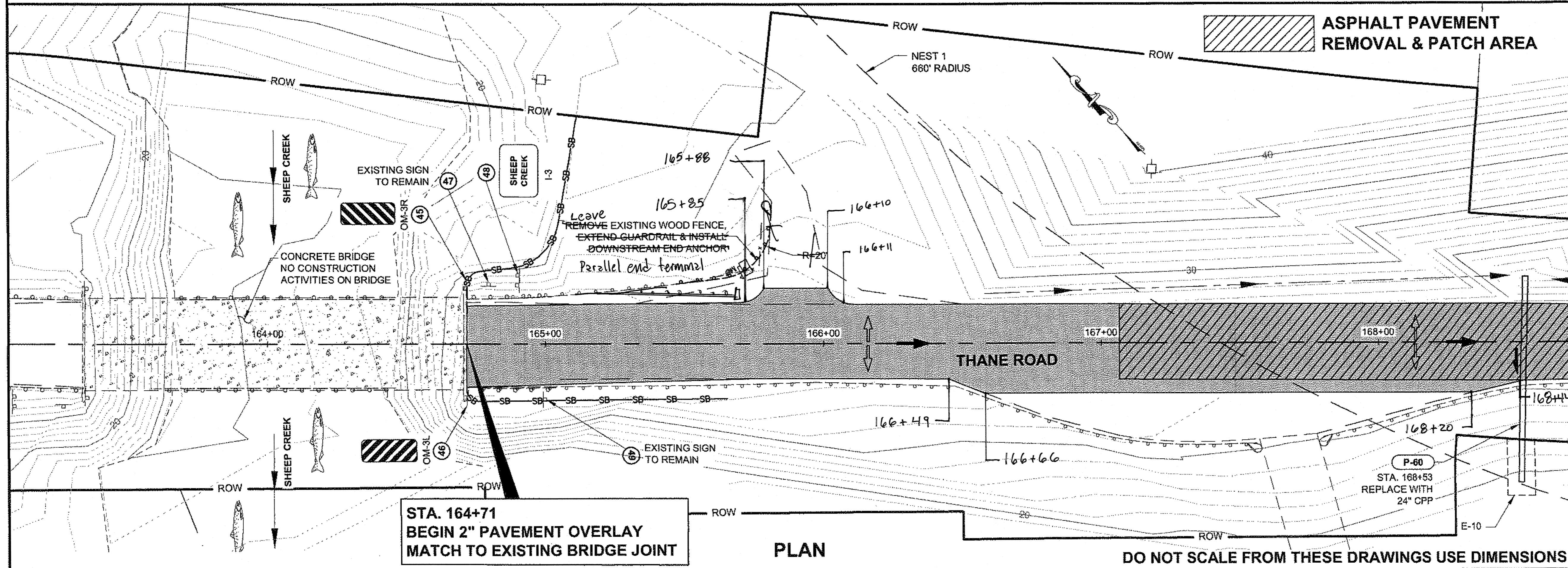
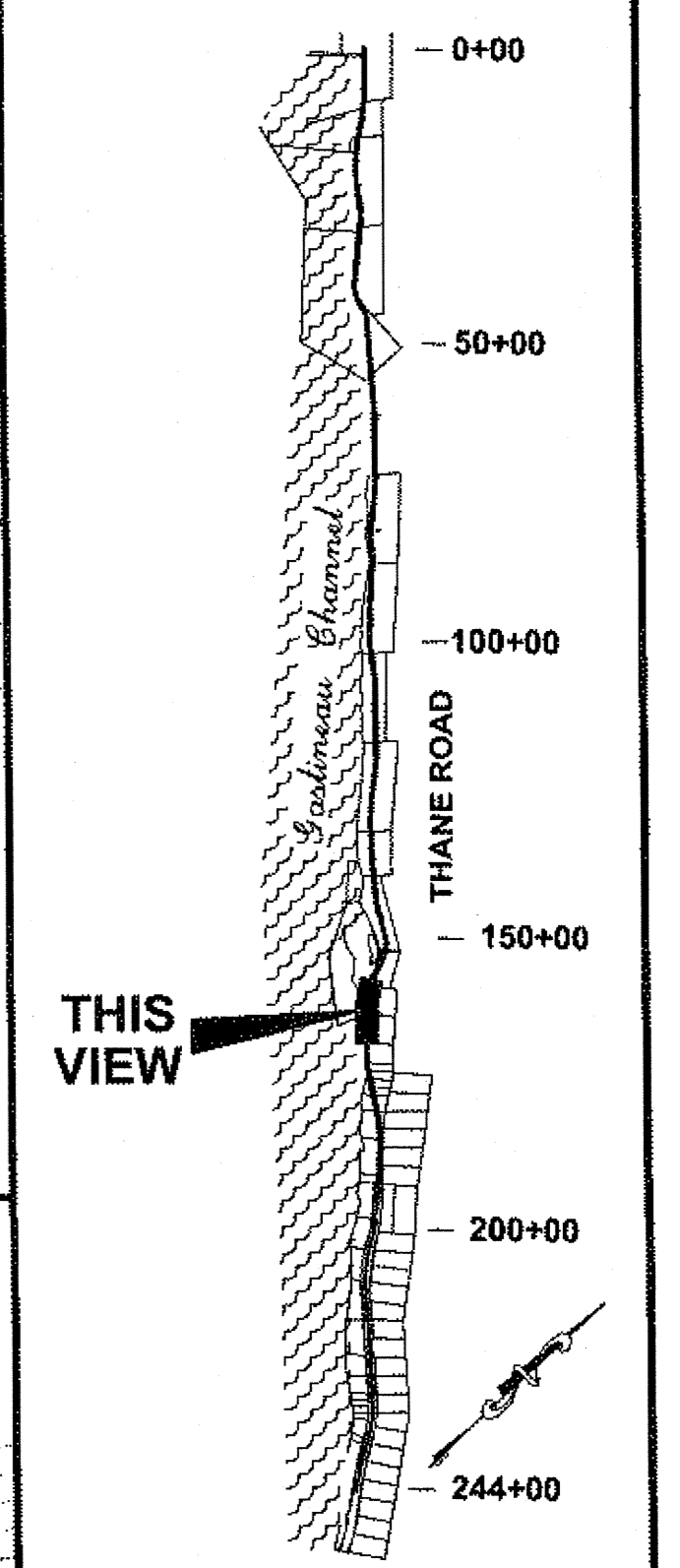
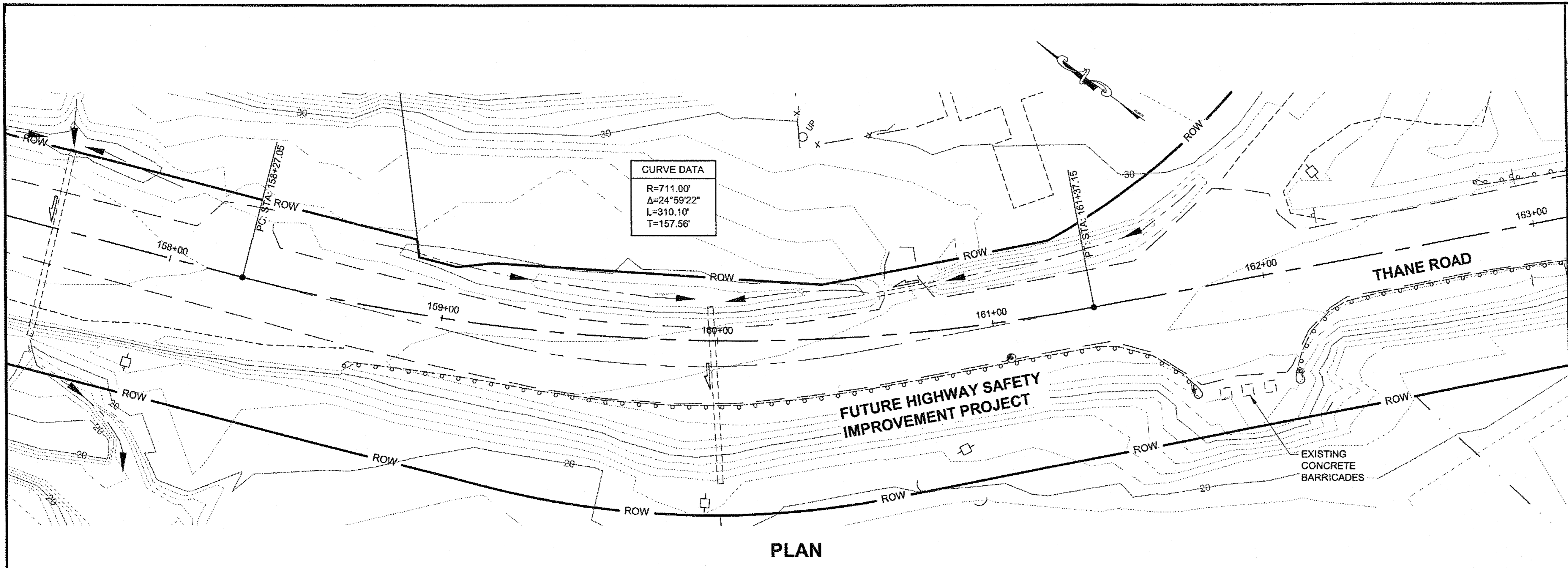
69340

STATE	YEAR
ALASKA	2011

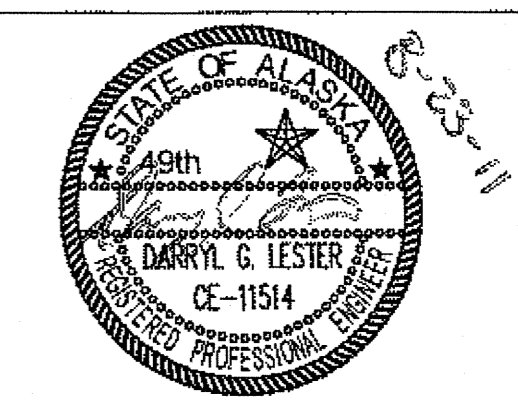
SHEET NUMBER	TOTAL SHEETS
F20	63

41 of 66

No.	DATE	DESCRIPTION



CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PLAN VIEW

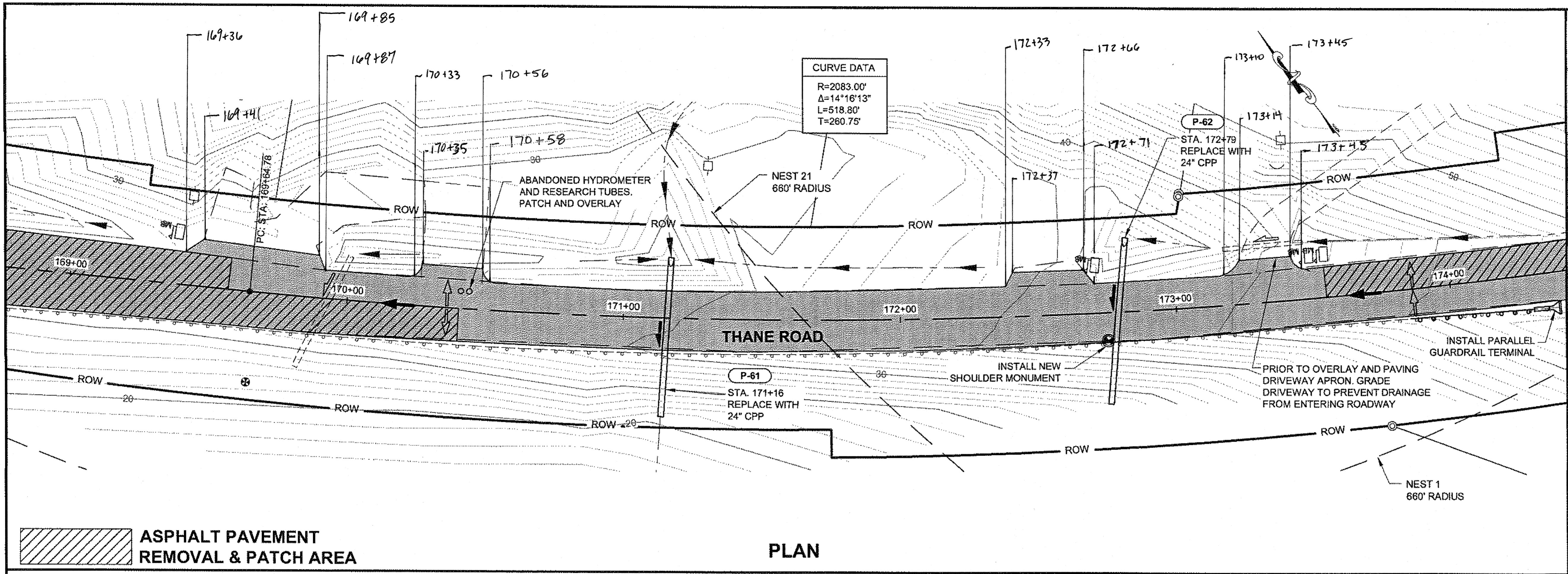
PROJECT DESIGNATION

69340

STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F21	63

JSK 4/9/14
 42 of 66



 ASPHALT PAVEMENT REMOVAL & PATCH AREA

PLAN

PATH: Q:\JNU\69340\PLANSET\69340_F1-8_F20-28_PLAN.DWG

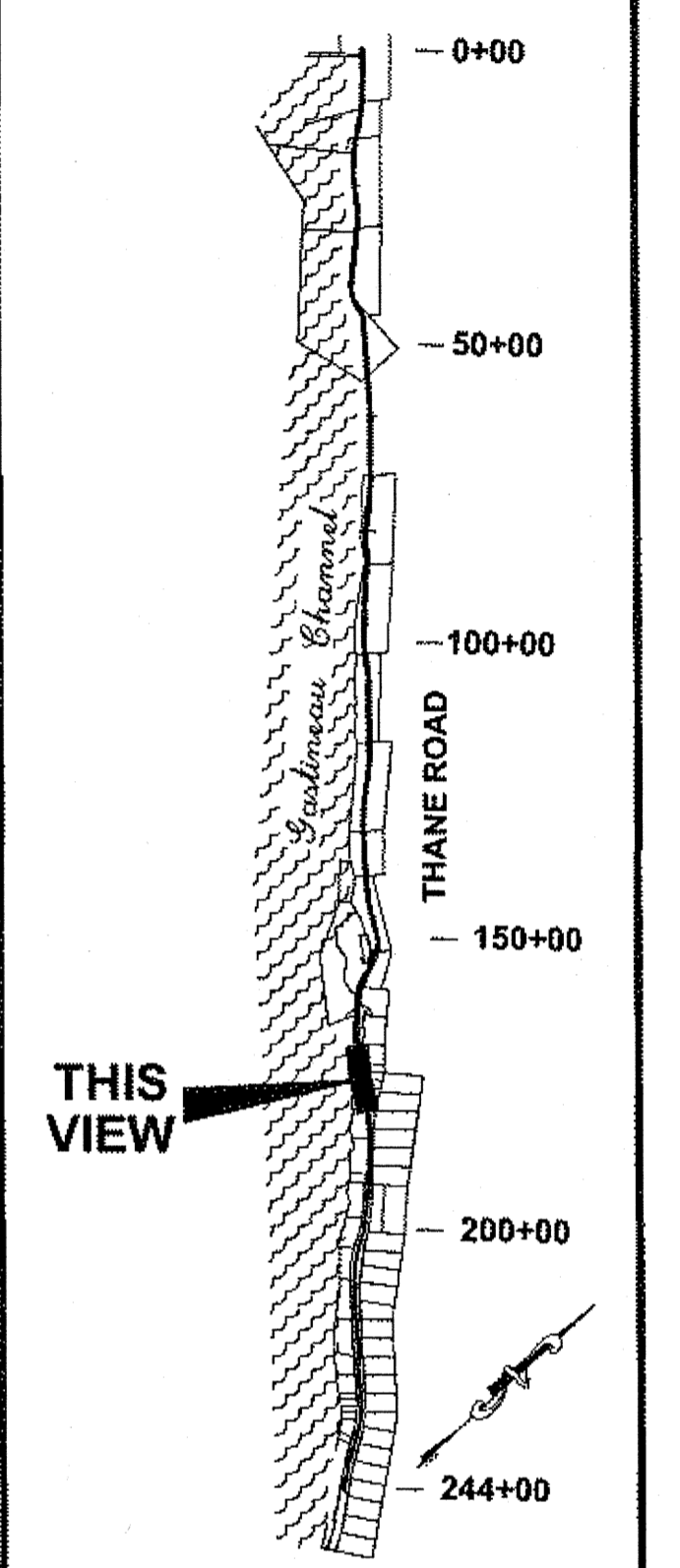
GRANTHAM, RICK L (DOT)
 TAB: F22 Friday, August 19, 2011 8:24:29 AM

ADDENDUM NUMBER

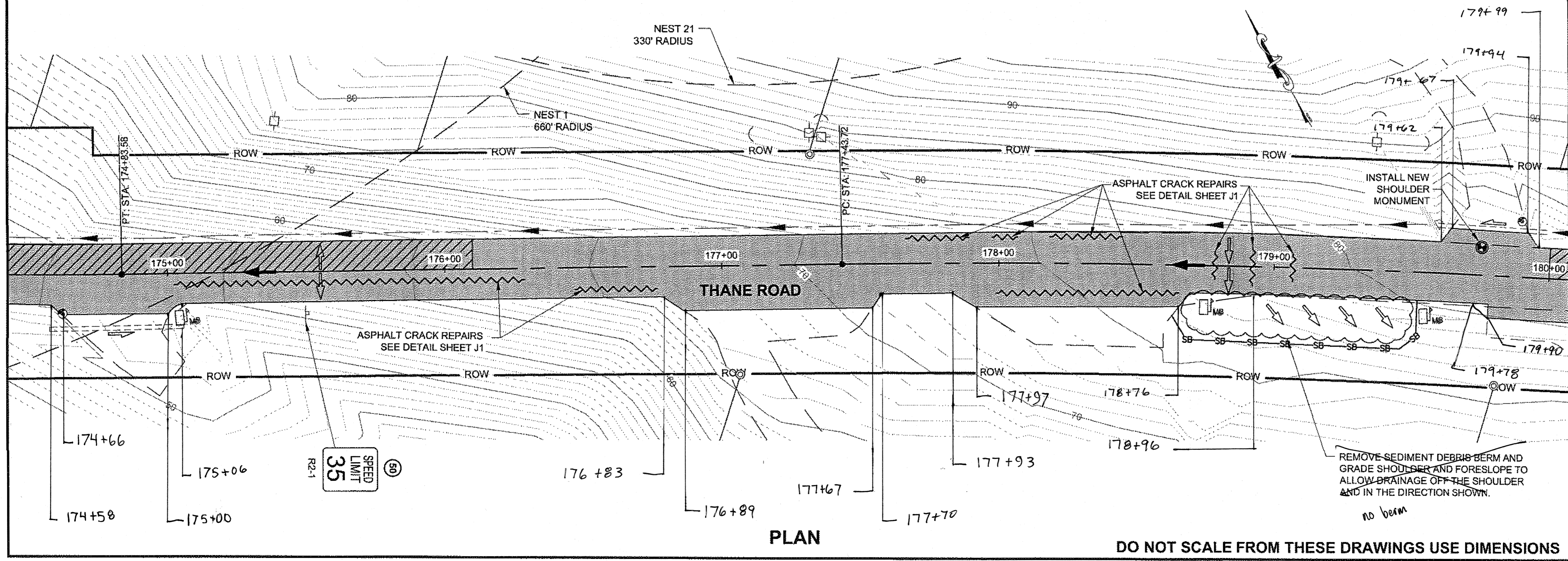
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION




PLAN LEGEND



PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT REHABILITATION PROJECT #69340

PLAN VIEW

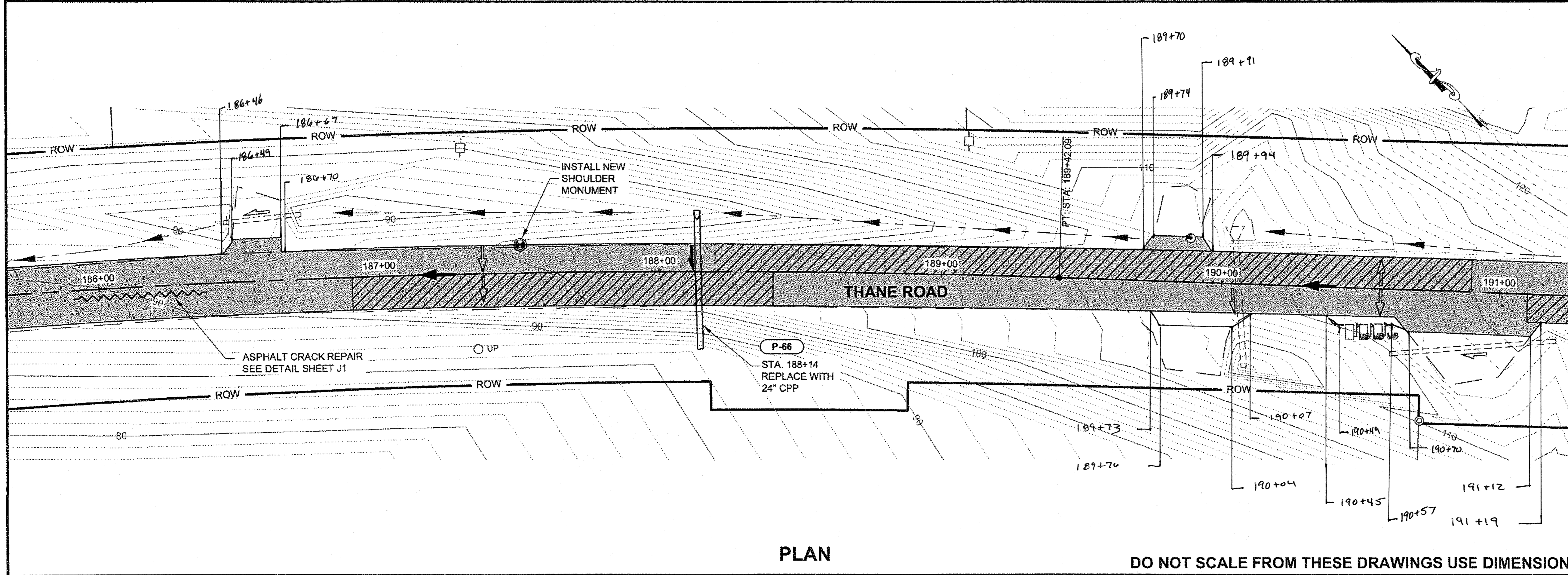
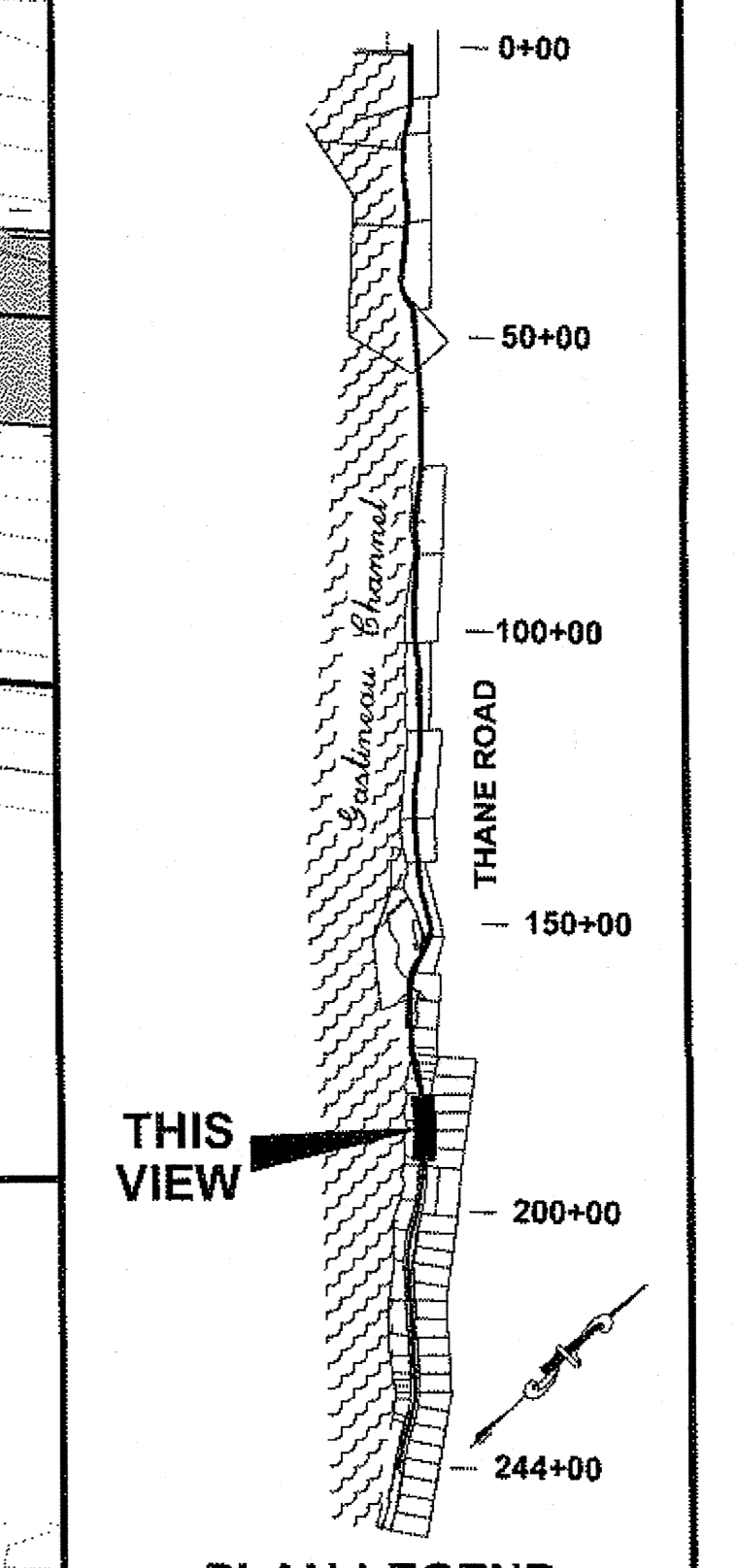
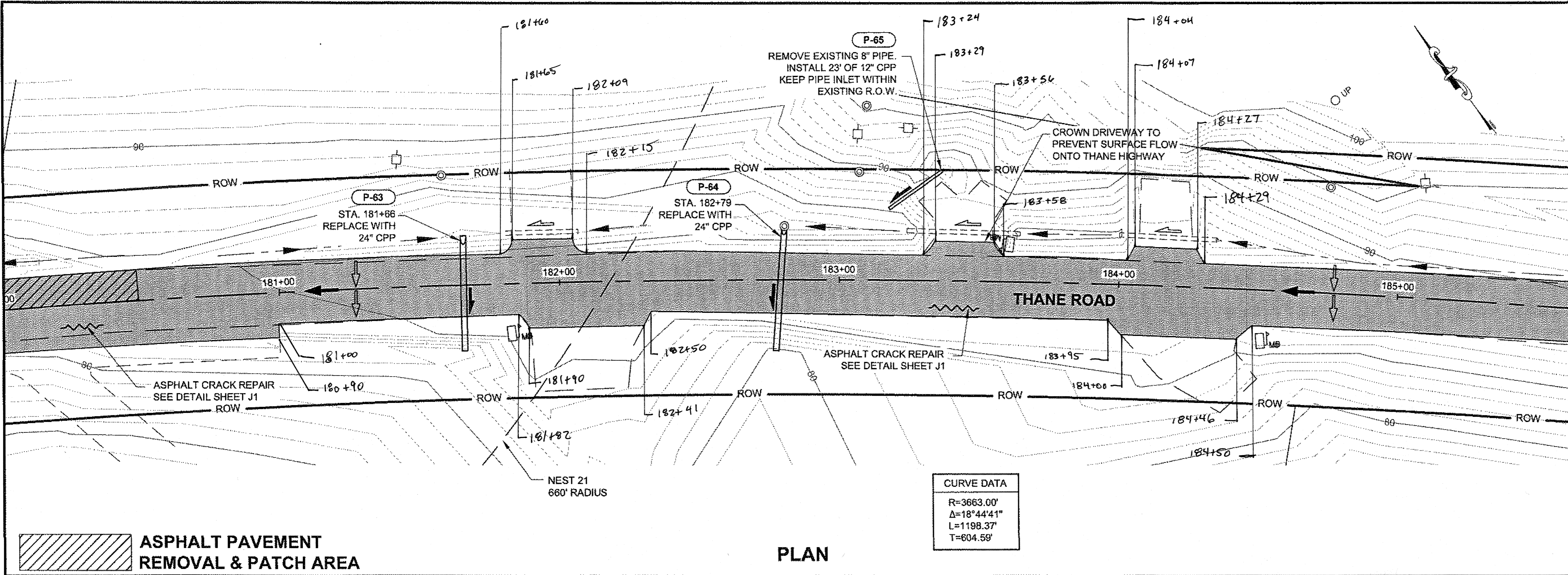
PROJECT DESIGNATION

69340

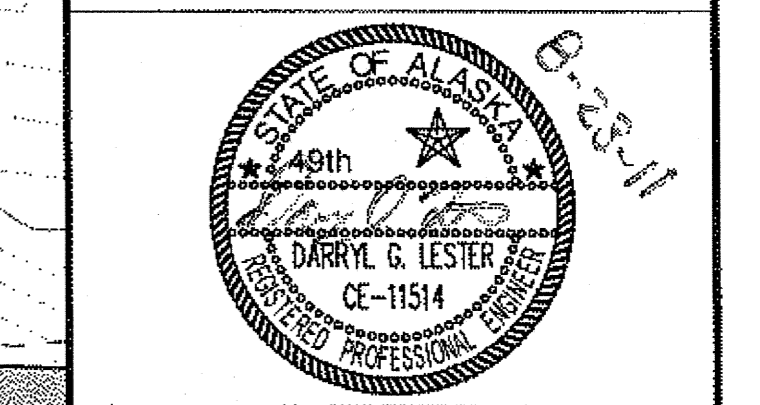
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F22	63

JSK 4/9/14
 436 66

No.	DATE	DESCRIPTION



CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION

69340

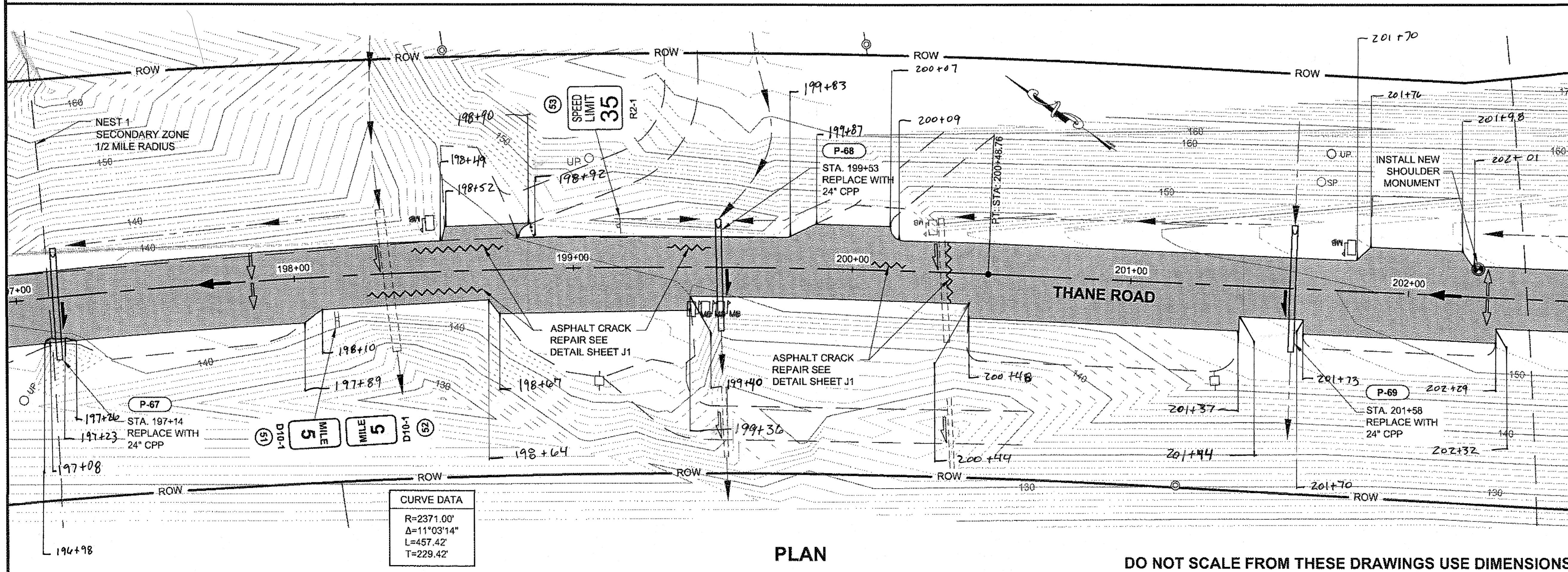
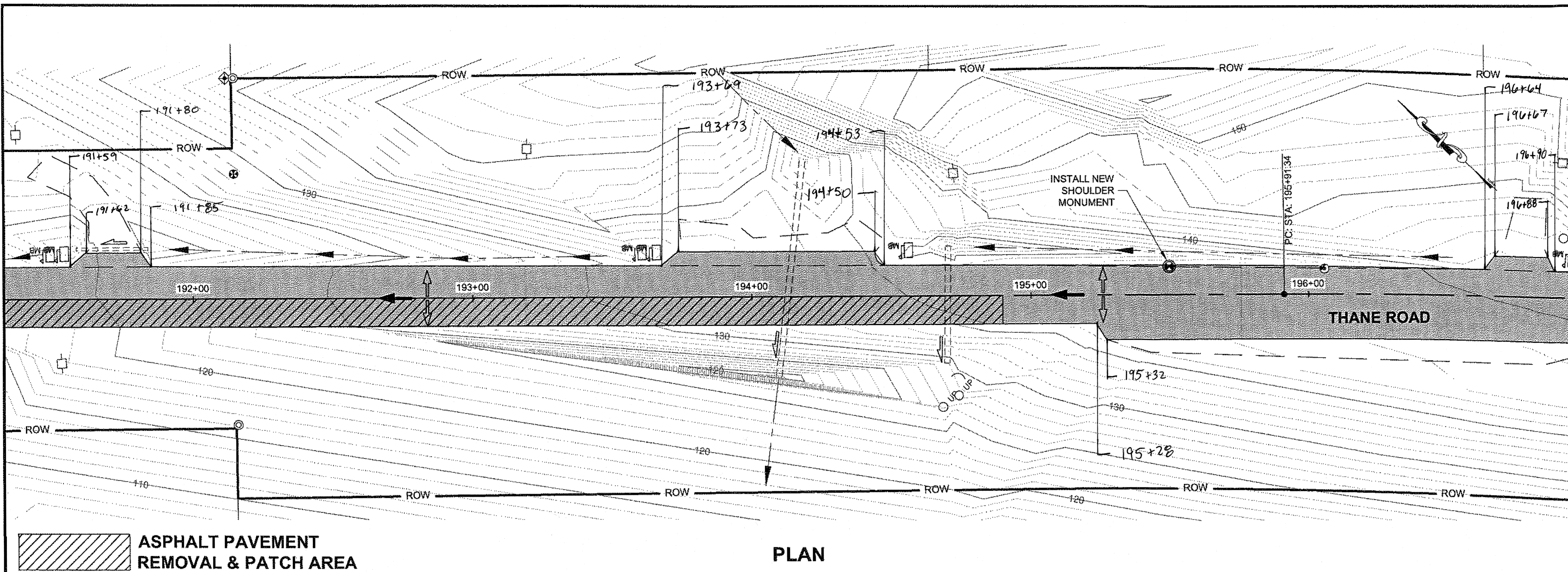
STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F23	63

JSK 4/9/14
 44 of 66

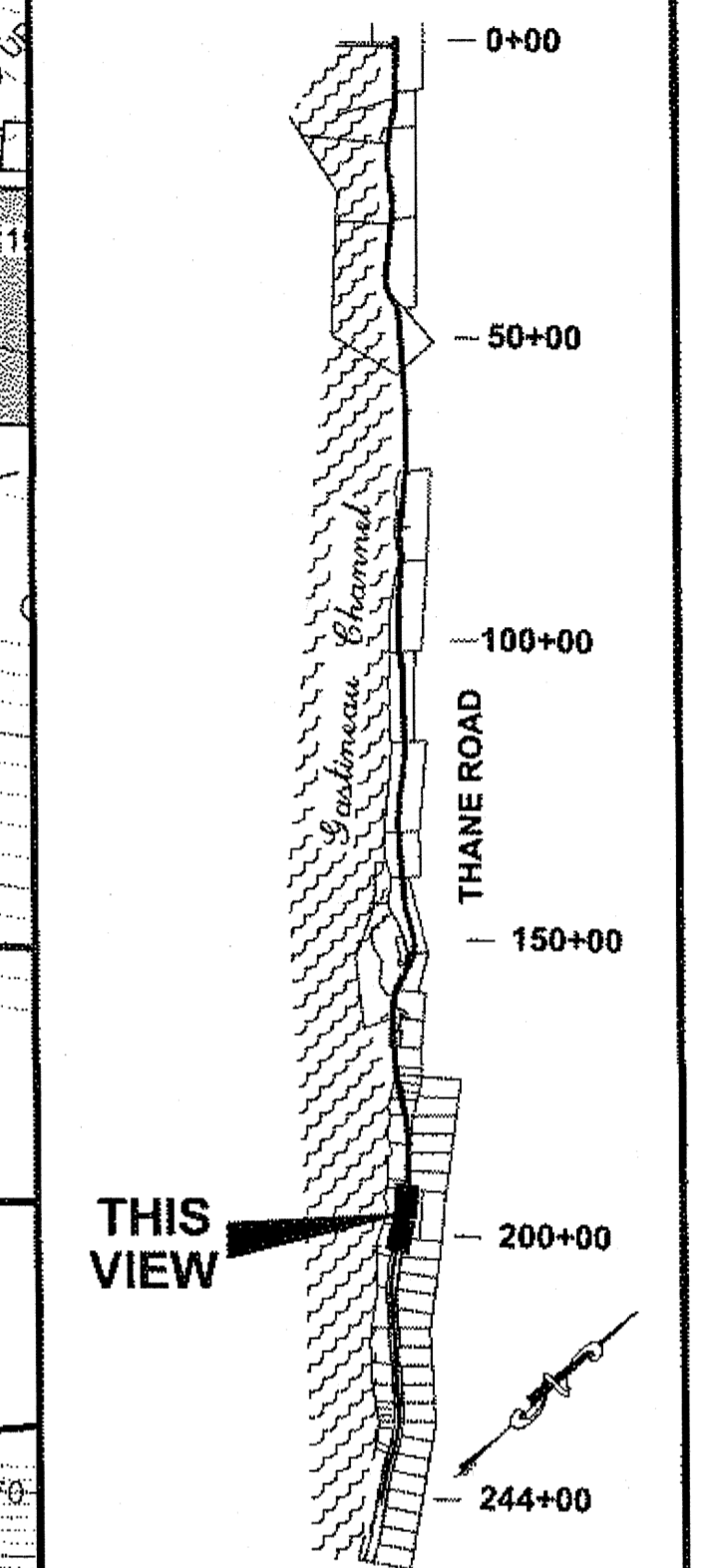
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

No.	DATE	DESCRIPTION



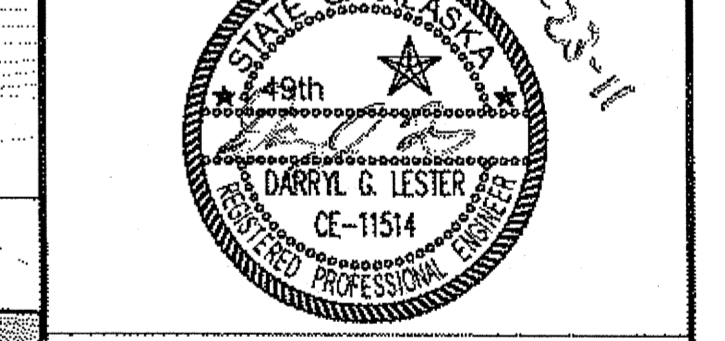
CURVE DATA

R=2371.00'
Δ=11°03'14"
L=457.42'
T=229.42'



PLAN LEGEND

CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER
DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION
69340

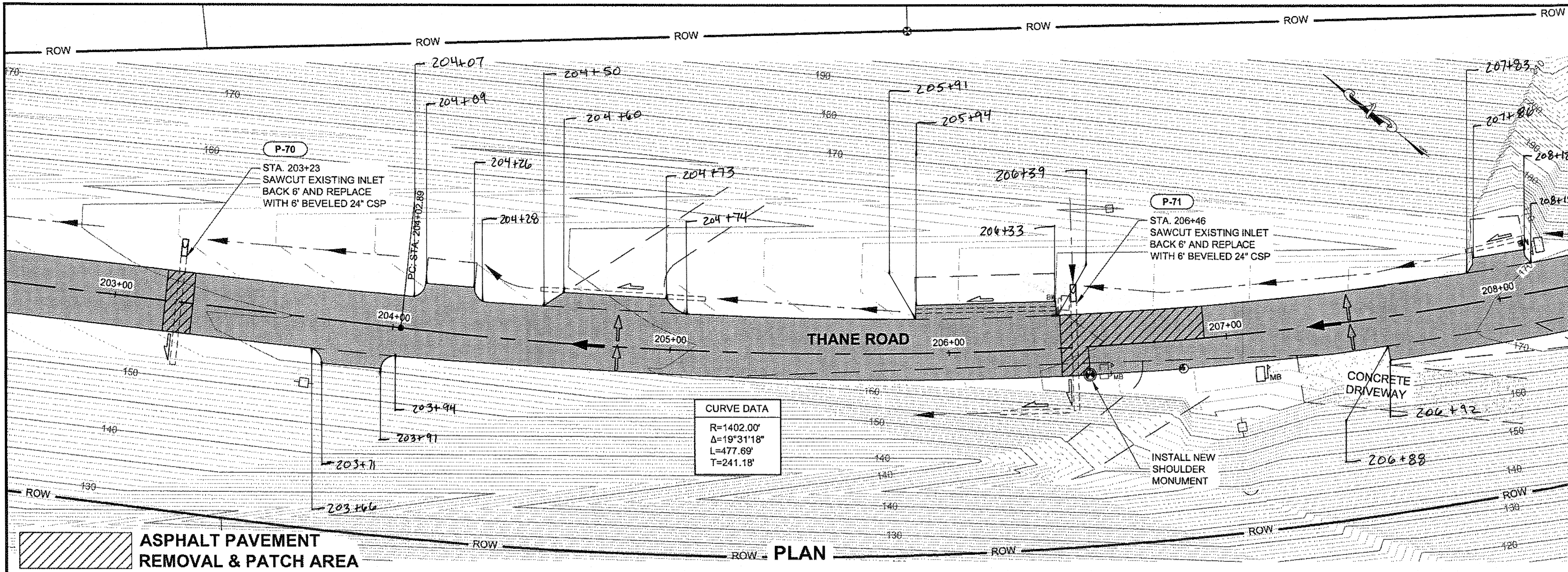
STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F24	63

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

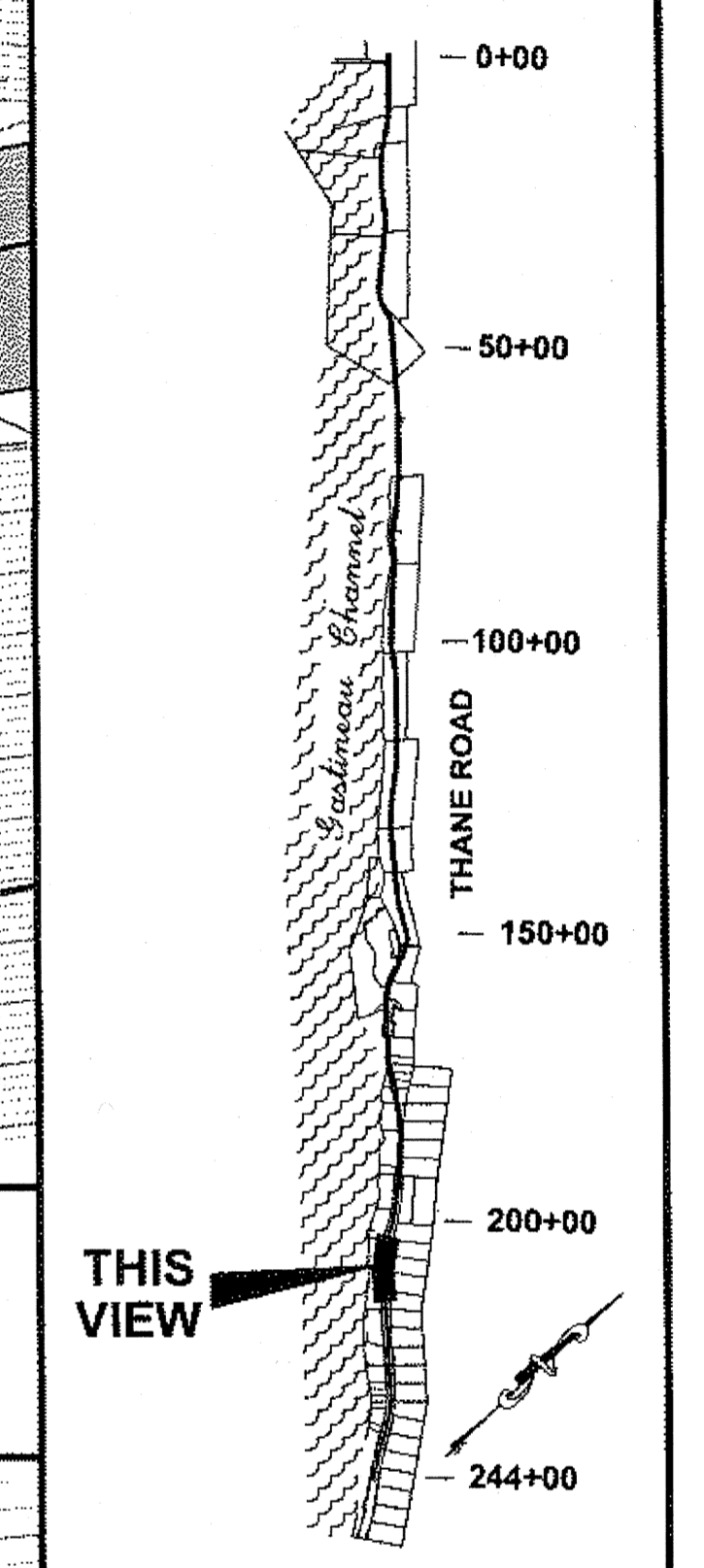
JSK 4/9/14
45666

No.	DATE	DESCRIPTION

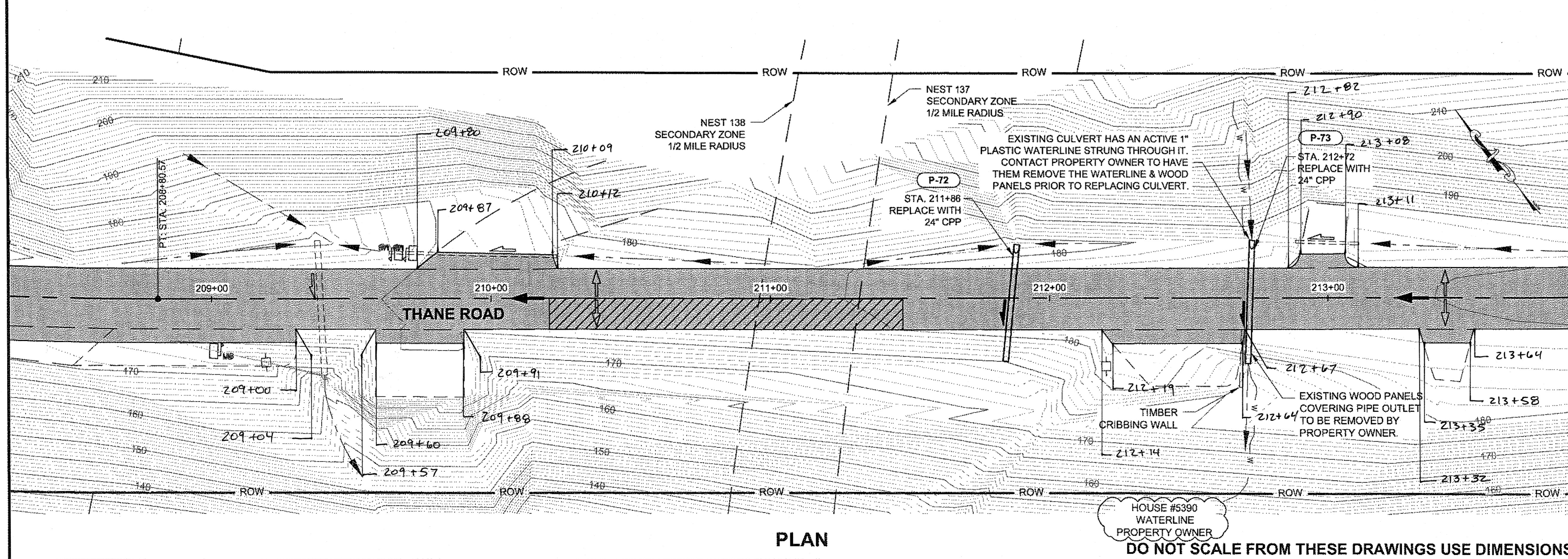


**ASPHALT PAVEMENT
 REMOVAL & PATCH AREA**

PLAN



PLAN LEGEND



PLAN

HOUSE #5390
 WATERLINE
 PROPERTY OWNER
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER



DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION

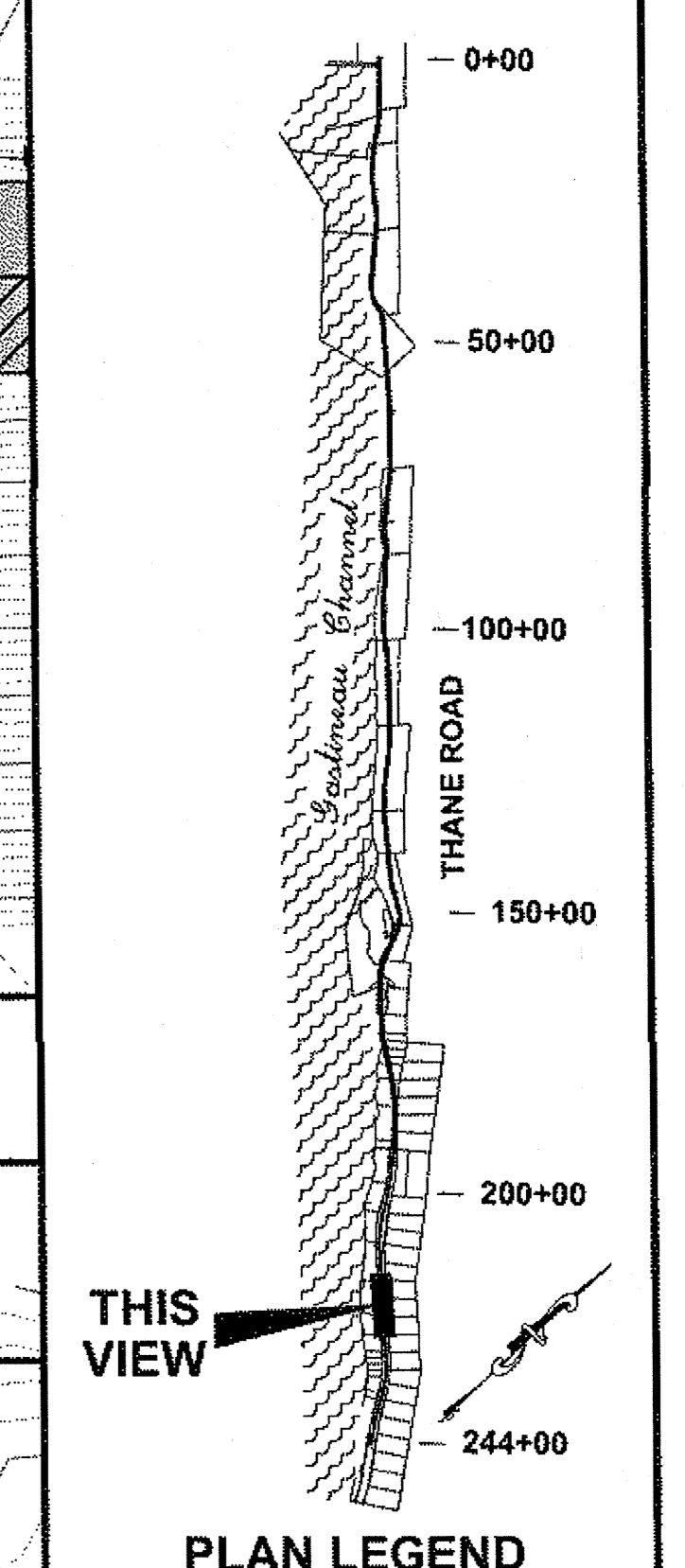
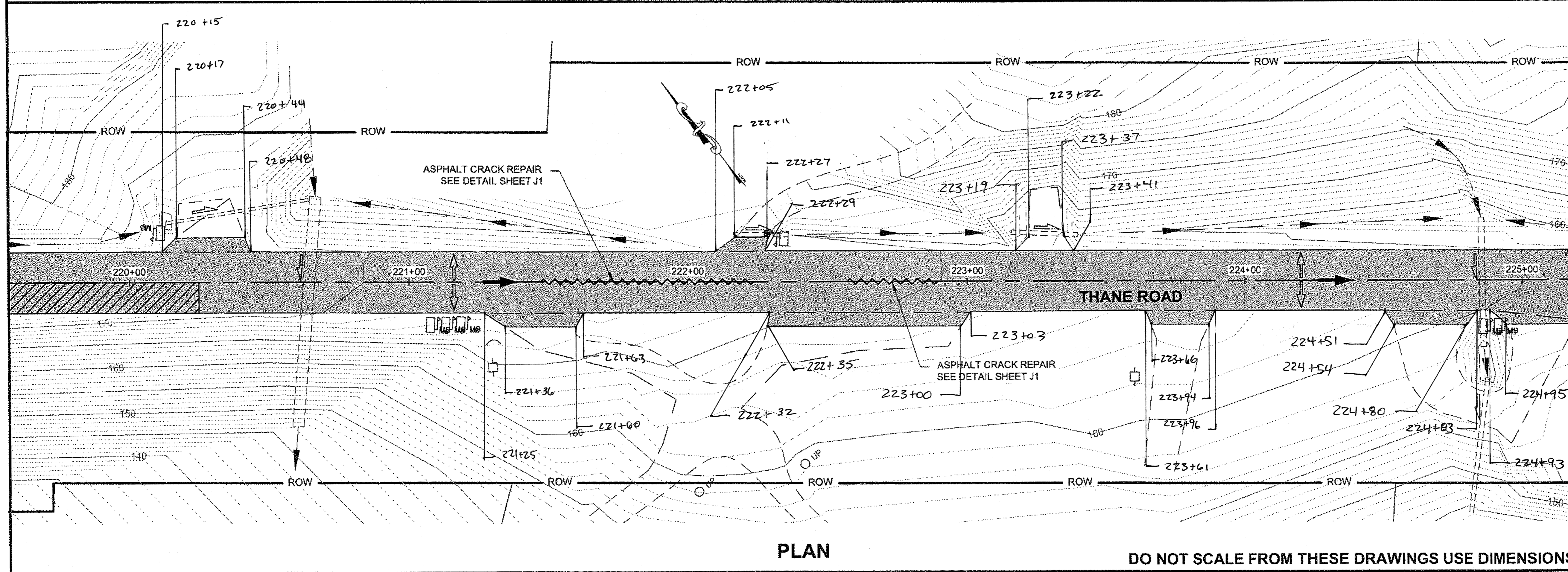
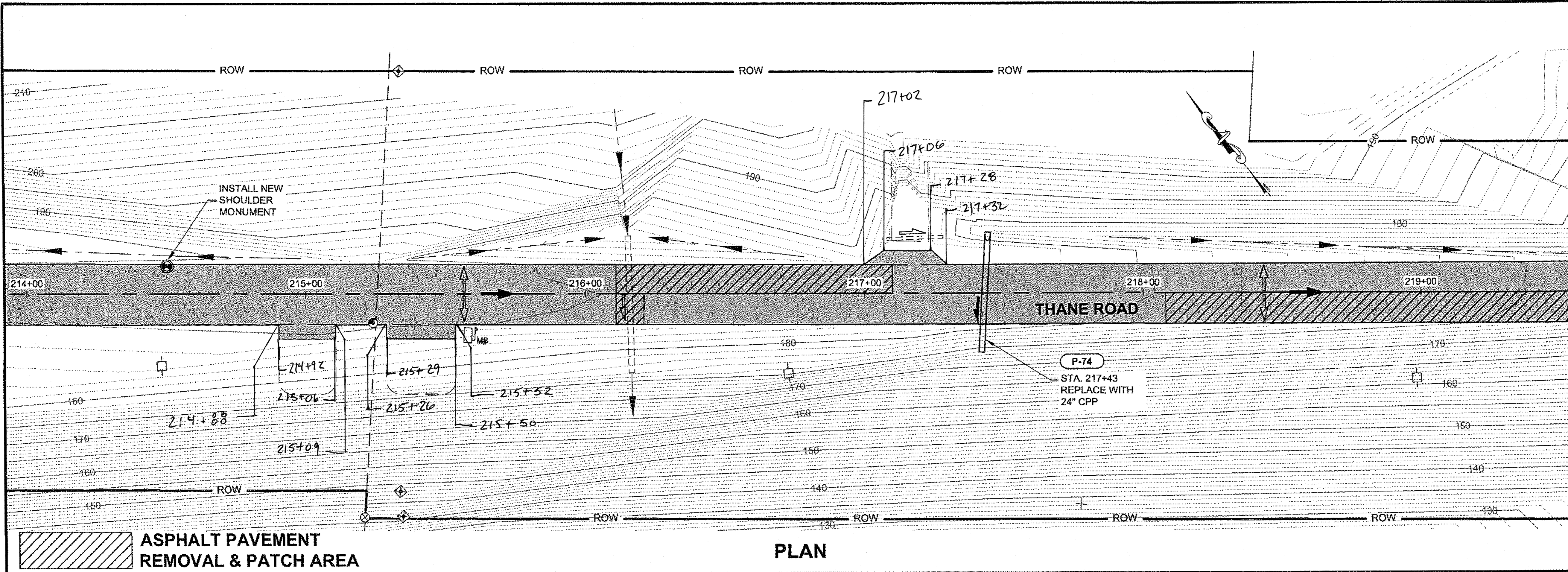
69340

STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F25	63

JSK 4/9/14
 46 of 66

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER, D. LESTER
 DRAWN BY: R. GRANTHAM
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

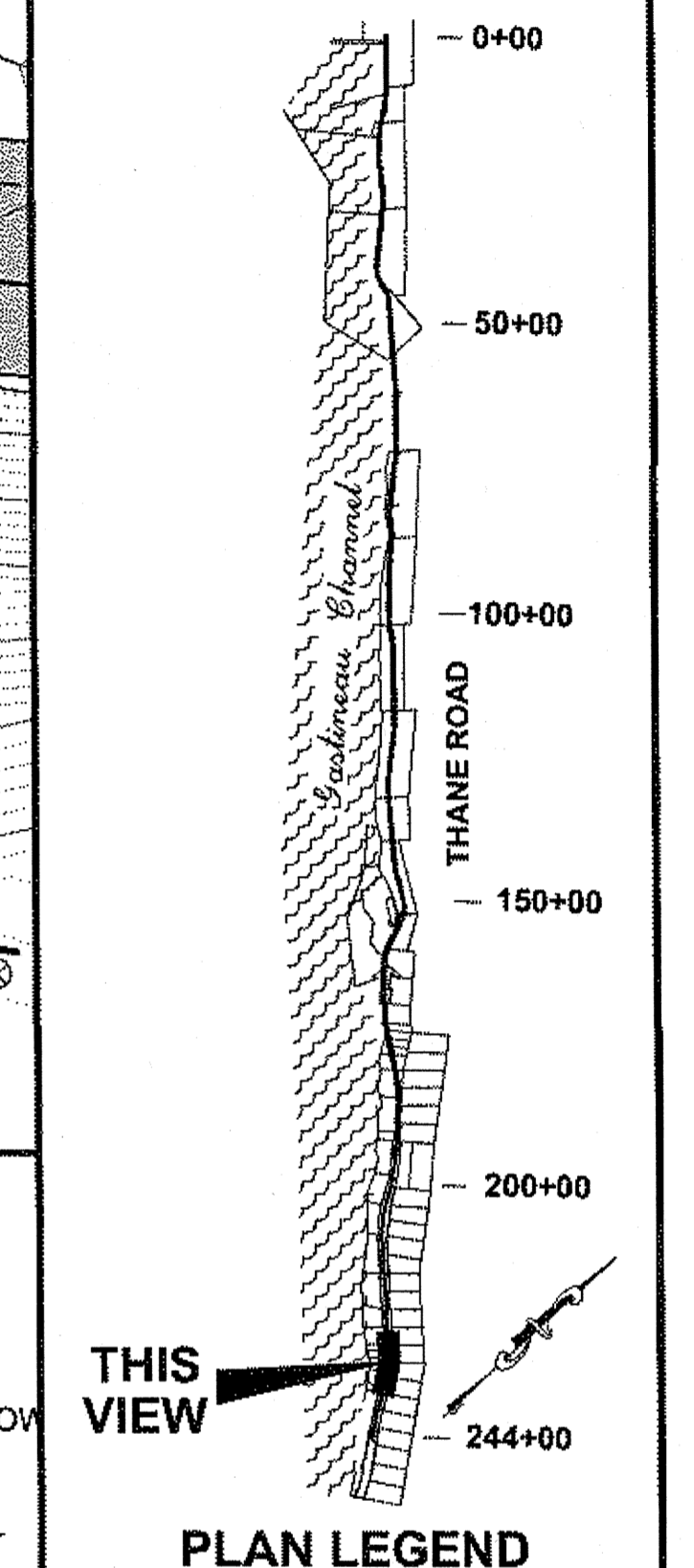
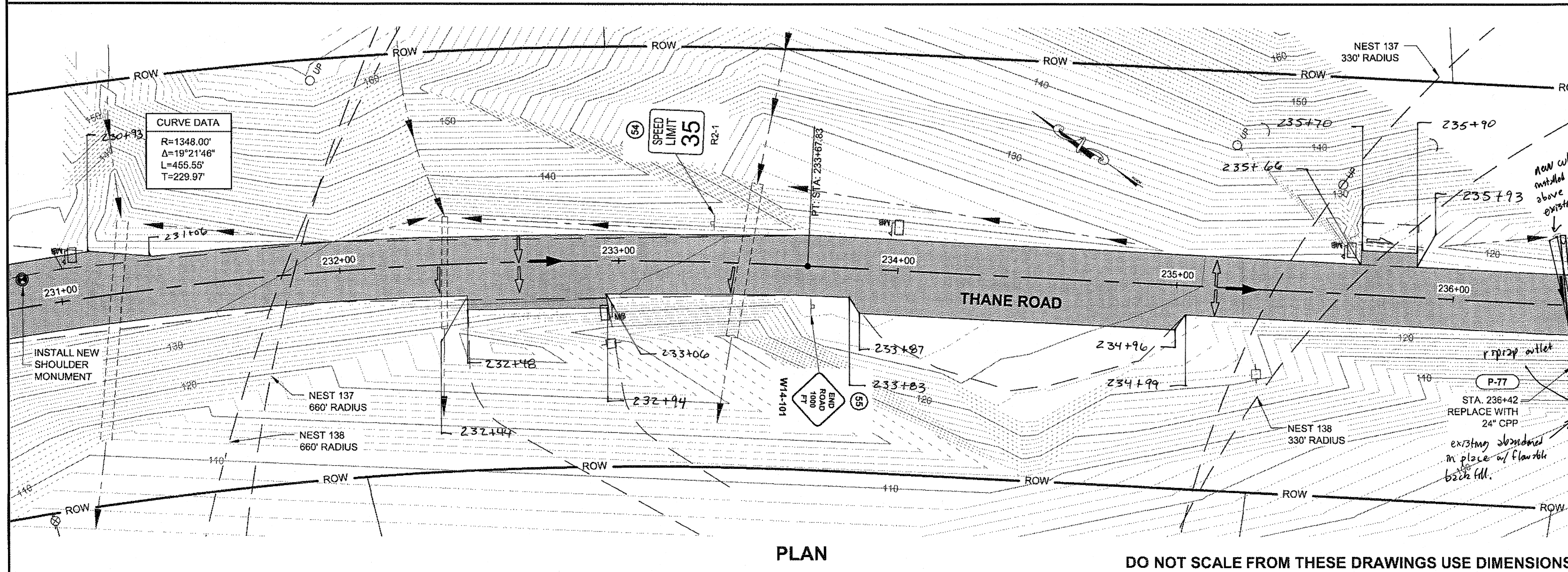
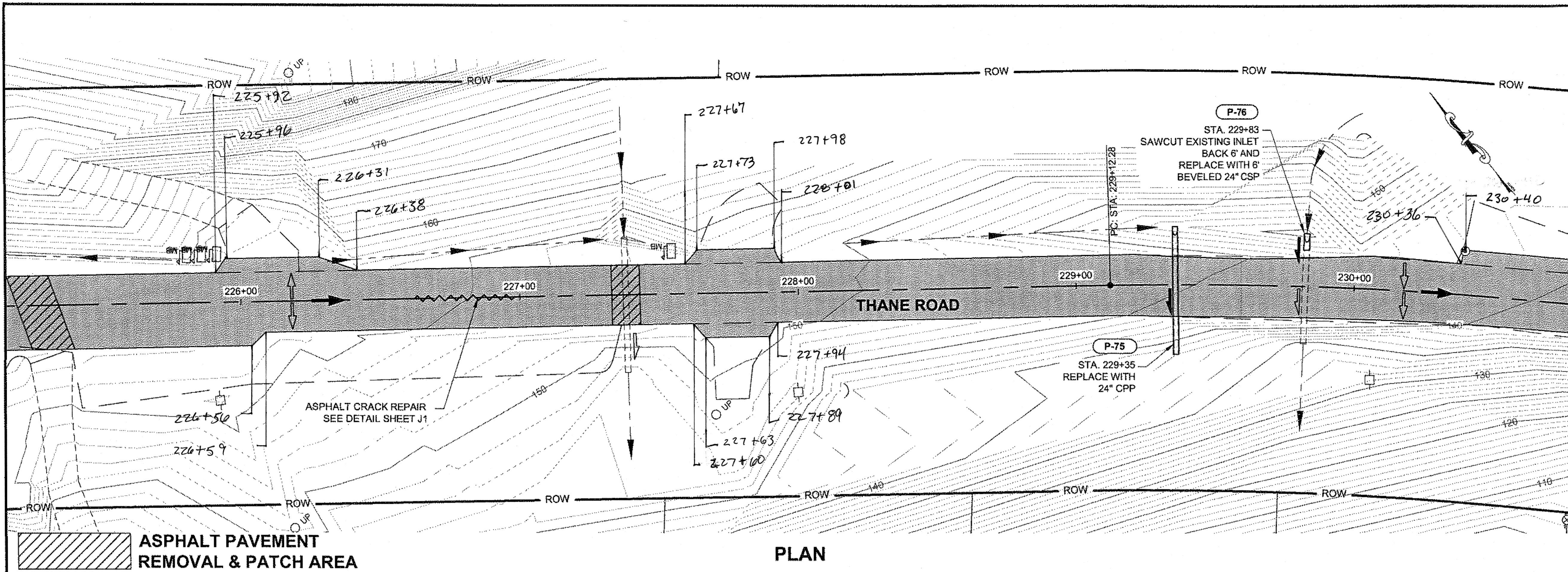
JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PROJECT DESIGNATION	
69340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F26	63

JSK 4/9/14
 47 of 66

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER, D. LESTER
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340

PLAN VIEW

PROJECT DESIGNATION
69340

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F27	63

JSK 4/9/14
 48 & 66

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:
Q:\JNU\69340\PLANSET\69340_F1-8_F20-28_PLAN.DWG

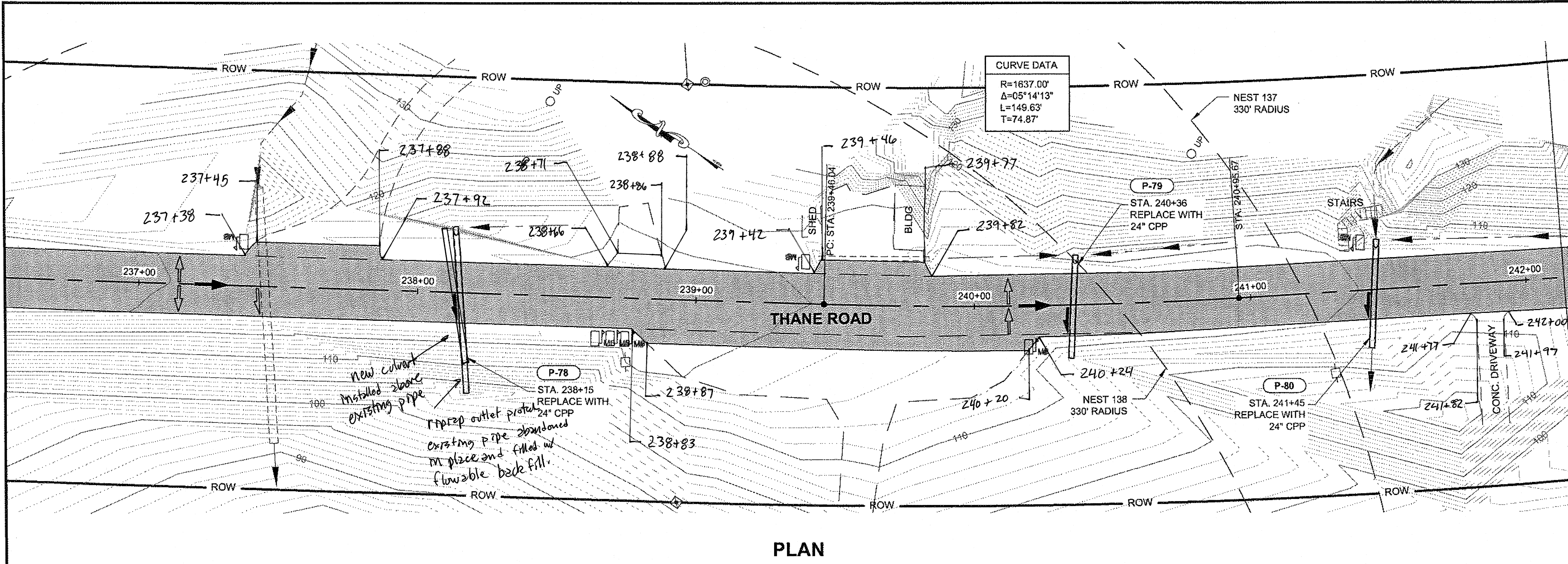
GRANTHAM, RICK L (DOT)
TAB: F28 Monday, August 22, 2011 2:48:56 PM

ADDENDUM NUMBER

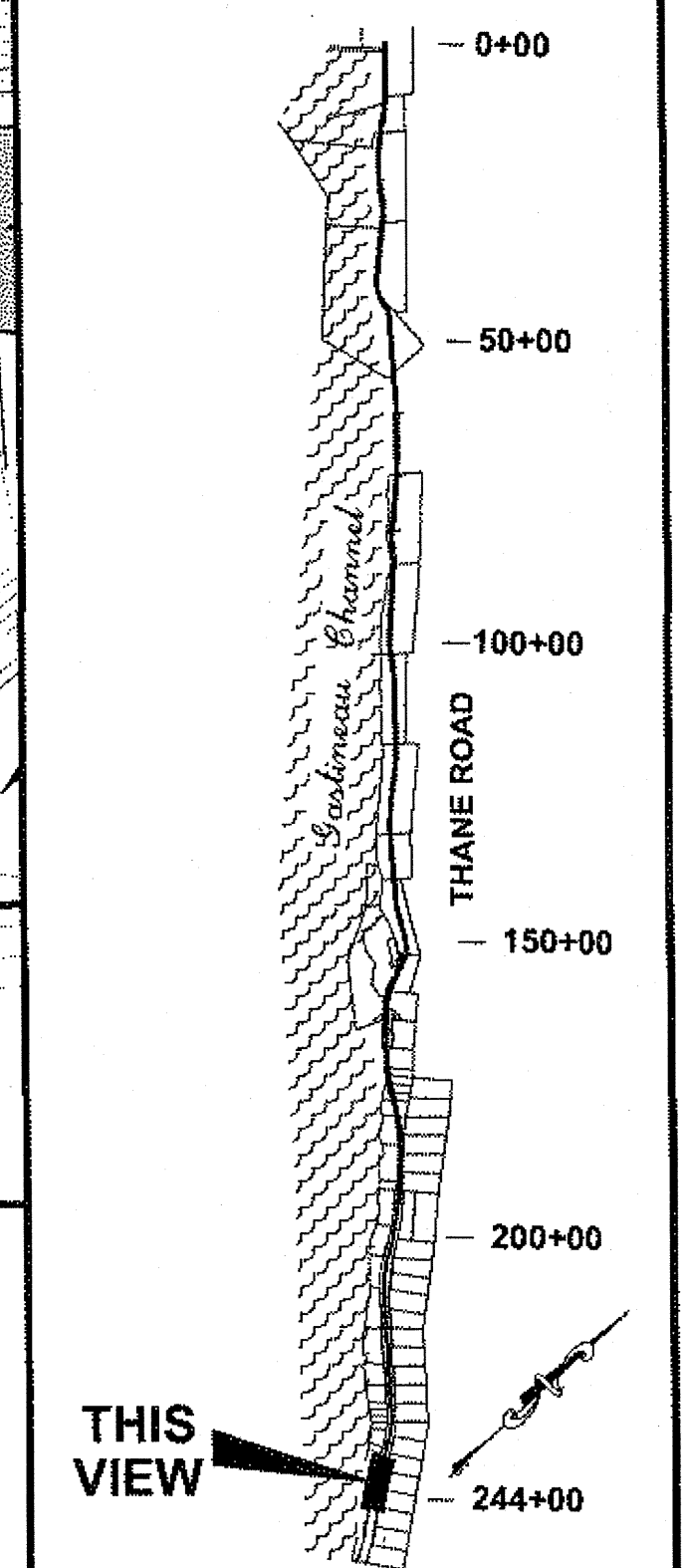
ATTACHMENT NUMBER

RECORD OF REVISIONS

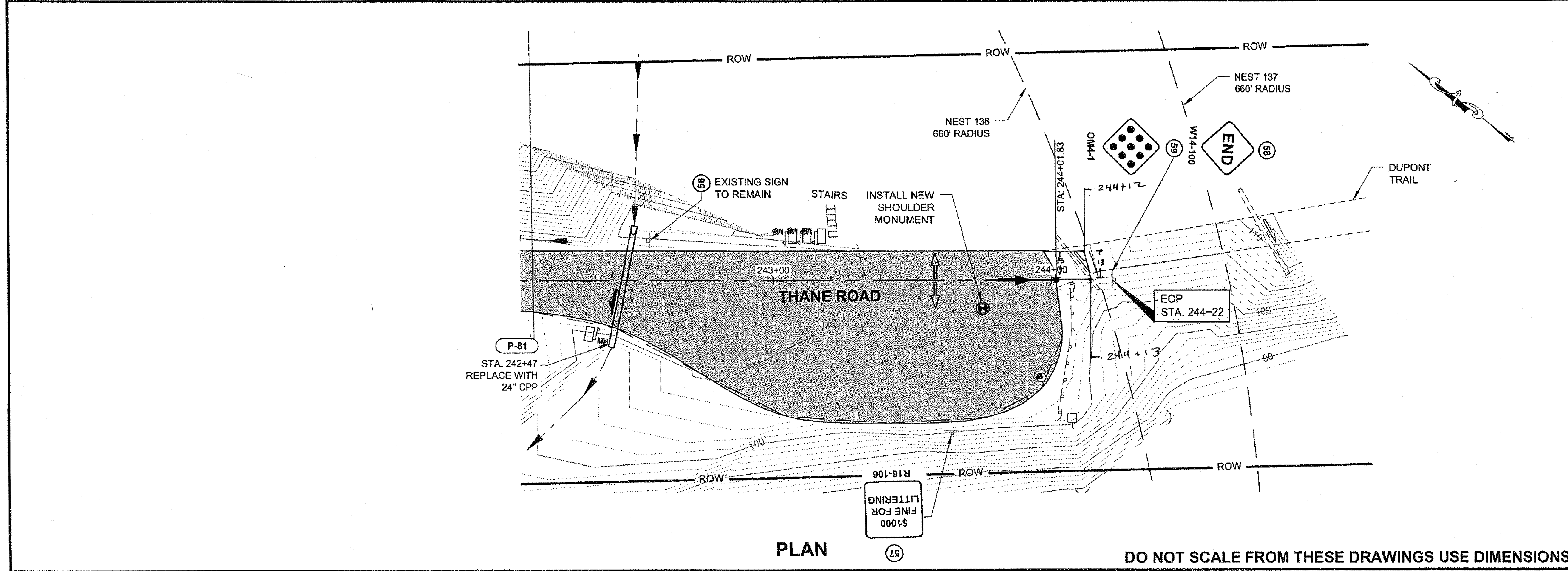
No.	DATE	DESCRIPTION



PLAN



PLAN LEGEND



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER, D. LESTER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340

PLAN VIEW

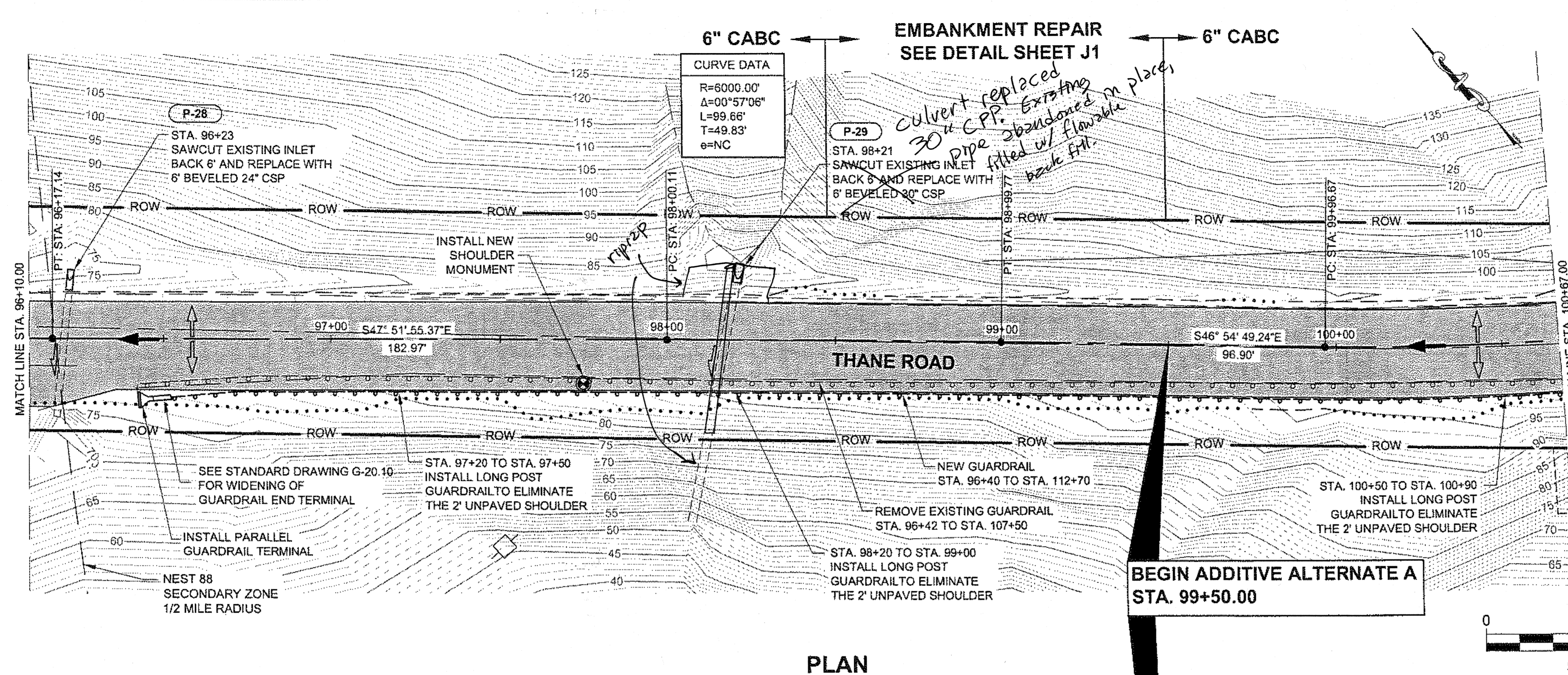
PROJECT DESIGNATION

69340

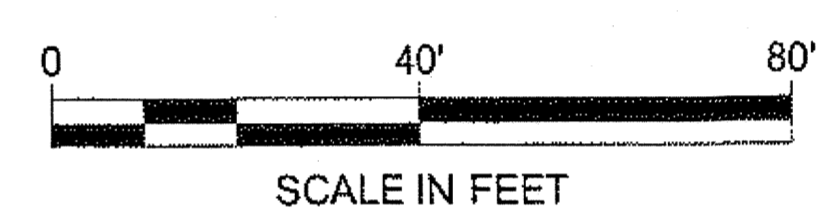
STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F28	63

JSK 4/9/14
49 of 66

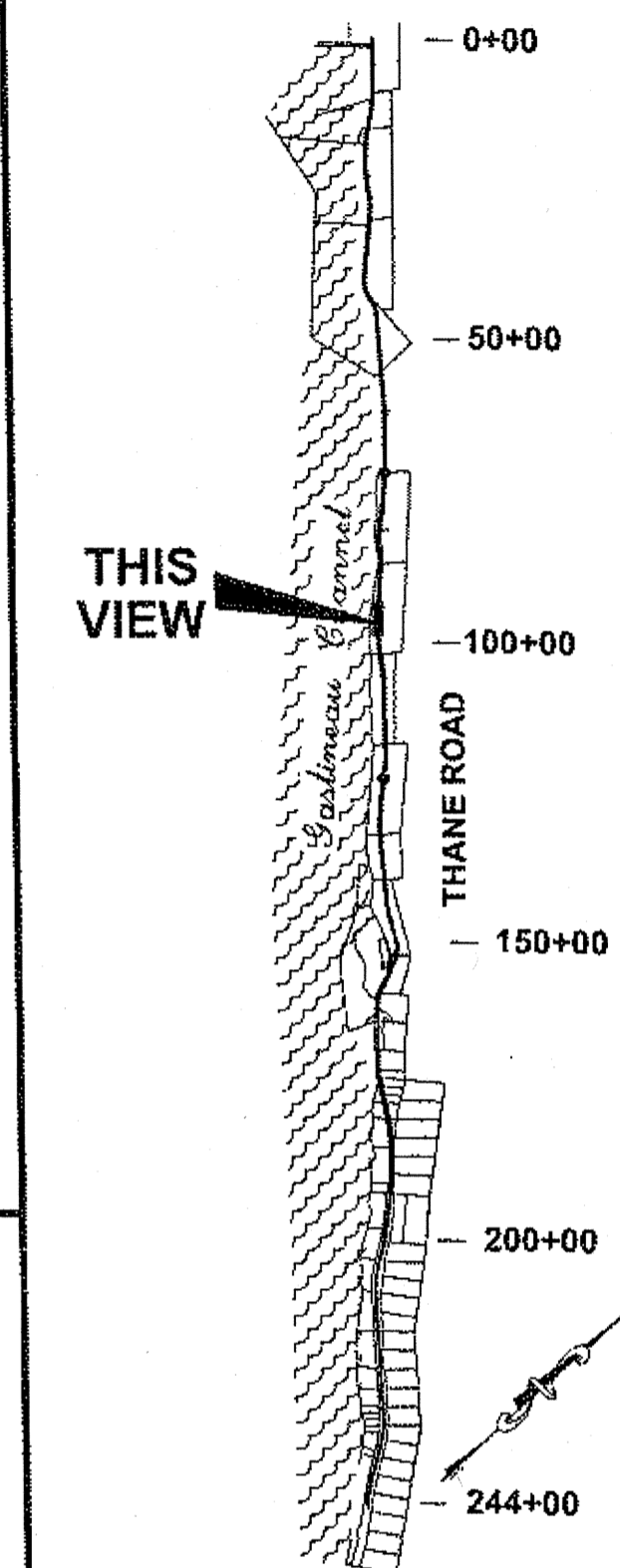


PLAN



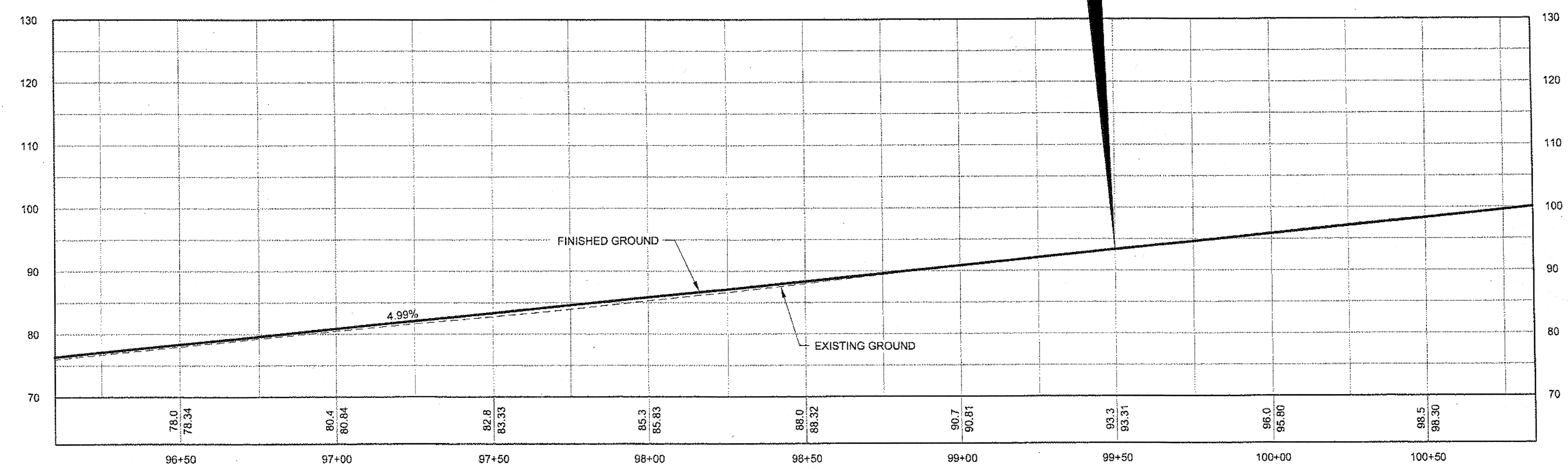
PATH:
Q:\LNU\69340\ENIC3D THANE\PLANSET
COPY\69340_F29-F34_P-P.DWG
KARPSTEIN, KEITH D (DOT)
TAB: F29 Wednesday, September 28, 2011 1:01:36 P

ADDENDUM NUMBER	3	
ATTACHMENT NUMBER	7	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE. THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER
DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

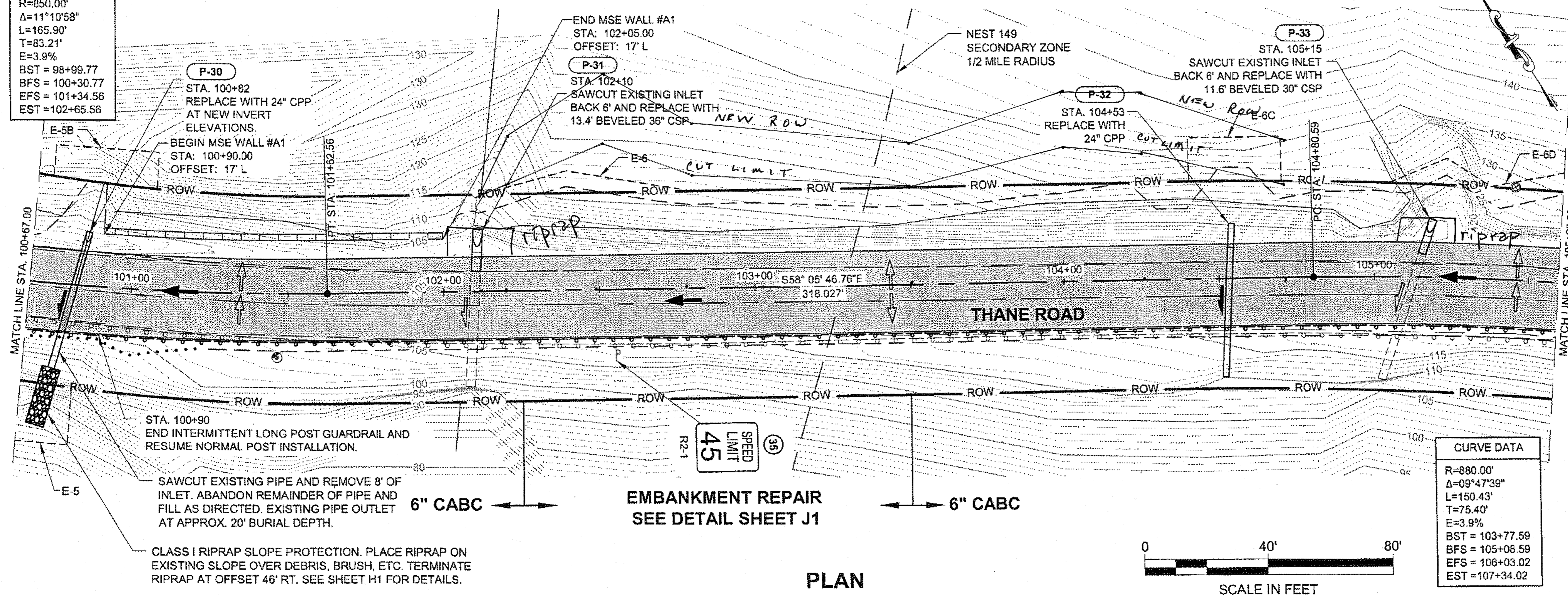
JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340
**ADDITIVE
ALTERNATE A
PLAN & PROFILE**

PROJECT DESIGNATION
69340

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F29	63

JSK 4/9/14
50 of 66

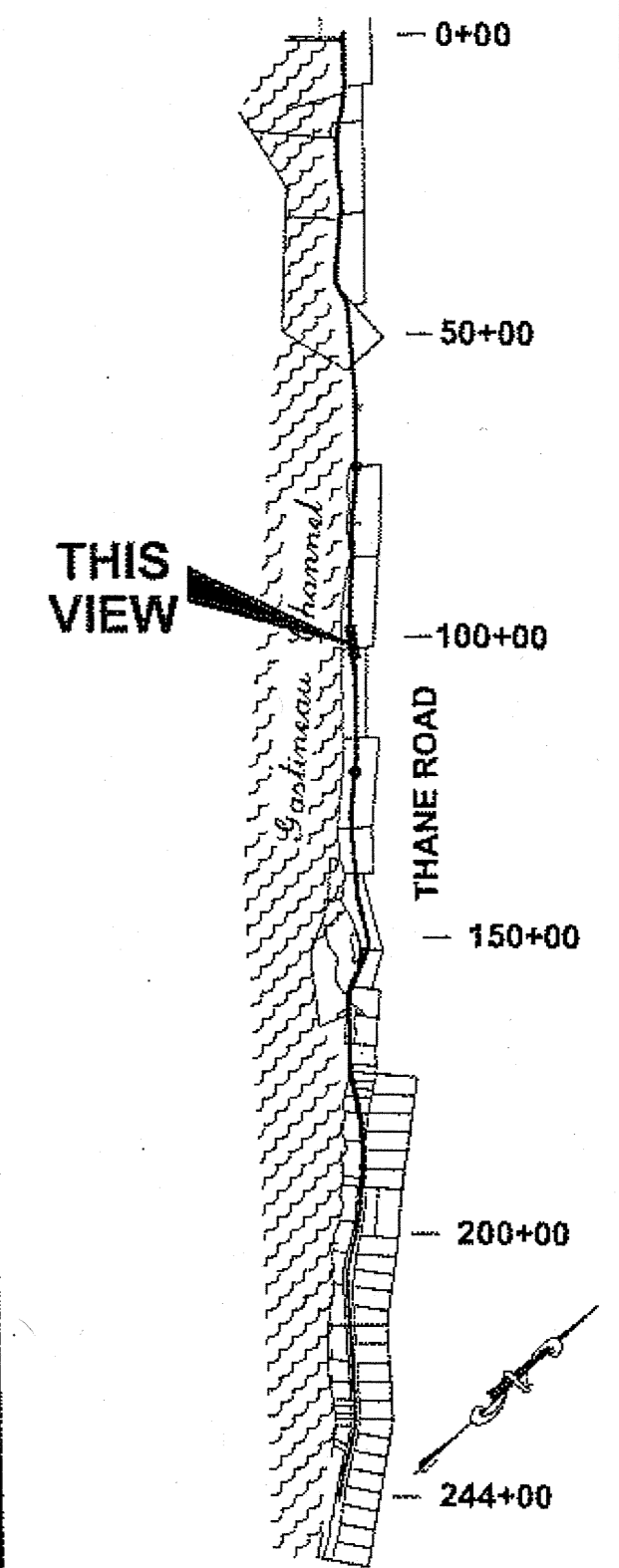
CURVE DATA	
R=850.00'	
Δ=11°10'58"	
L=165.90'	
T=83.21'	
E=3.9%	
BST = 98+99.77	
BFS = 100+30.77	
EFS = 101+34.56	
EST = 102+65.56	



PLAN

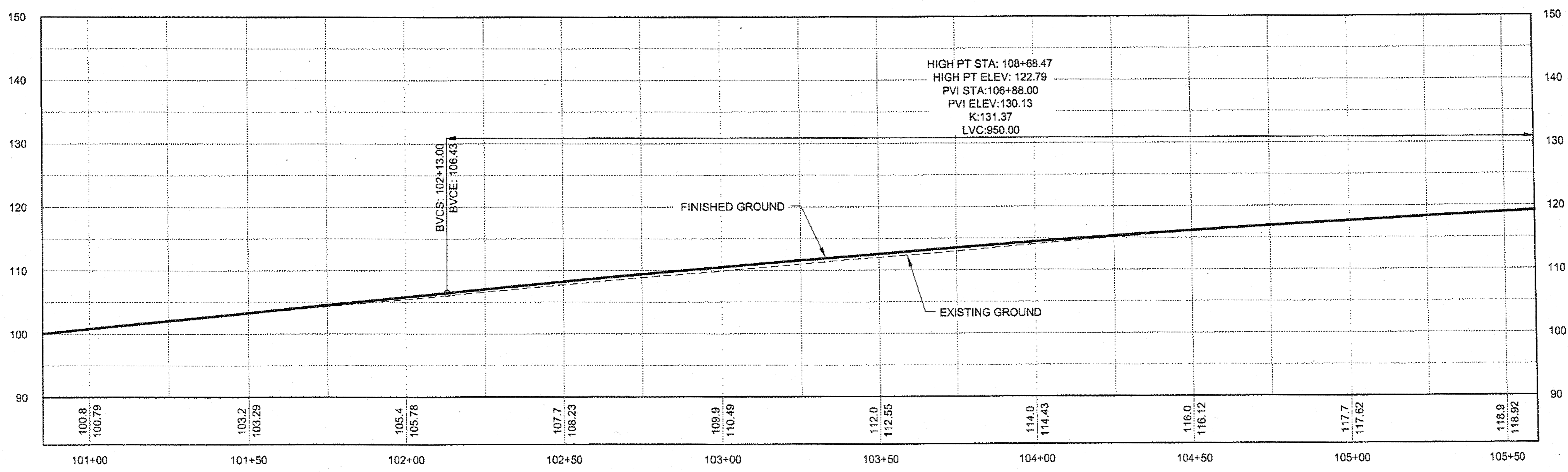
CURVE DATA	
R=880.00'	
Δ=09°47'39"	
L=150.43'	
T=75.40'	
E=3.9%	
BST = 103+77.59	
BFS = 105+08.59	
EFS = 106+03.02	
EST = 107+34.02	

PATH: Q:\JNU\69340\PLANSET\69340_F29-F34_P.P.DWG		
GEARY, NATE (DOT) TAB: F30 Tuesday, October 04, 2011 12:03:42 PM		
ADDENDUM NUMBER	3	
ATTACHMENT NUMBER	7	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE. THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

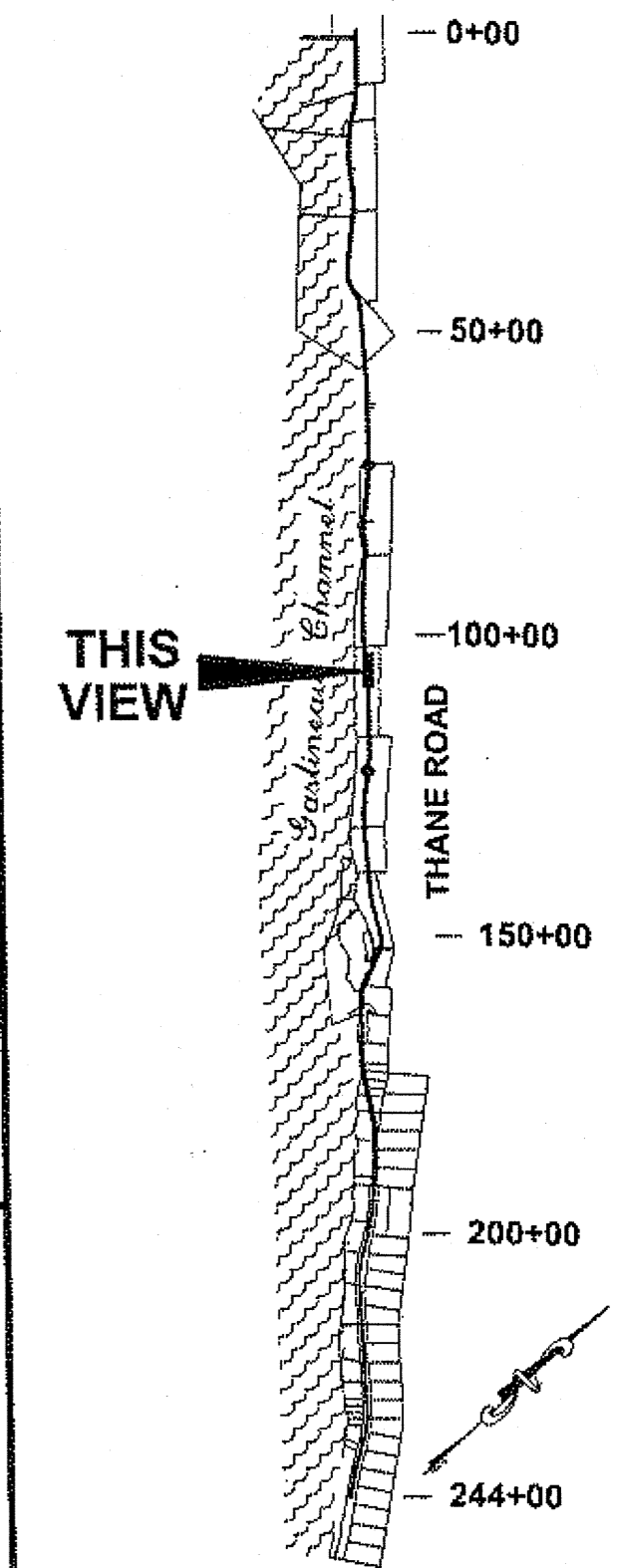
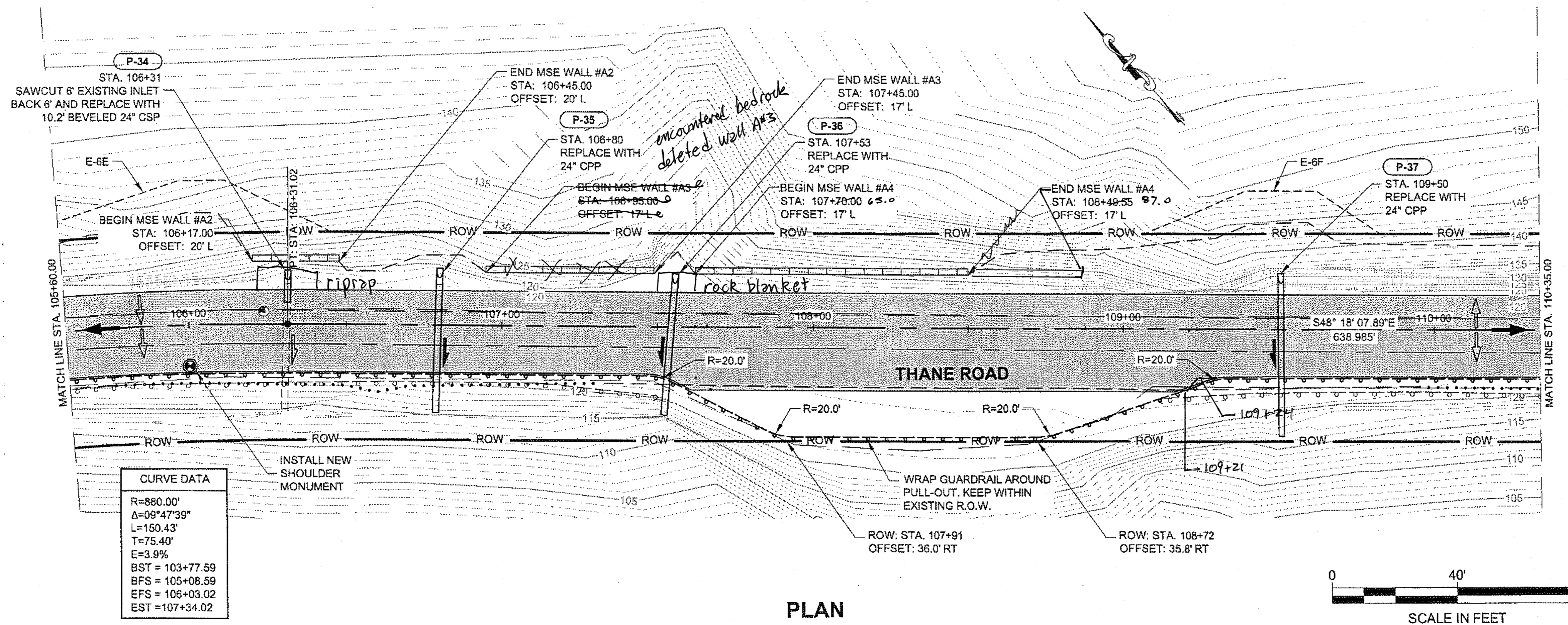
CHECKED BY: D. LESTER	
DESIGNED BY: D. MULLINER	
DRAWN BY: R. GRANTHAM	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
JNU- THANE ROAD PAVEMENT REHABILITATION PROJECT #69340 ADDITIVE ALTERNATE A PLAN & PROFILE	
PROJECT DESIGNATION	
69340	
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F30	63

JSK 4/9/14
51 of 66

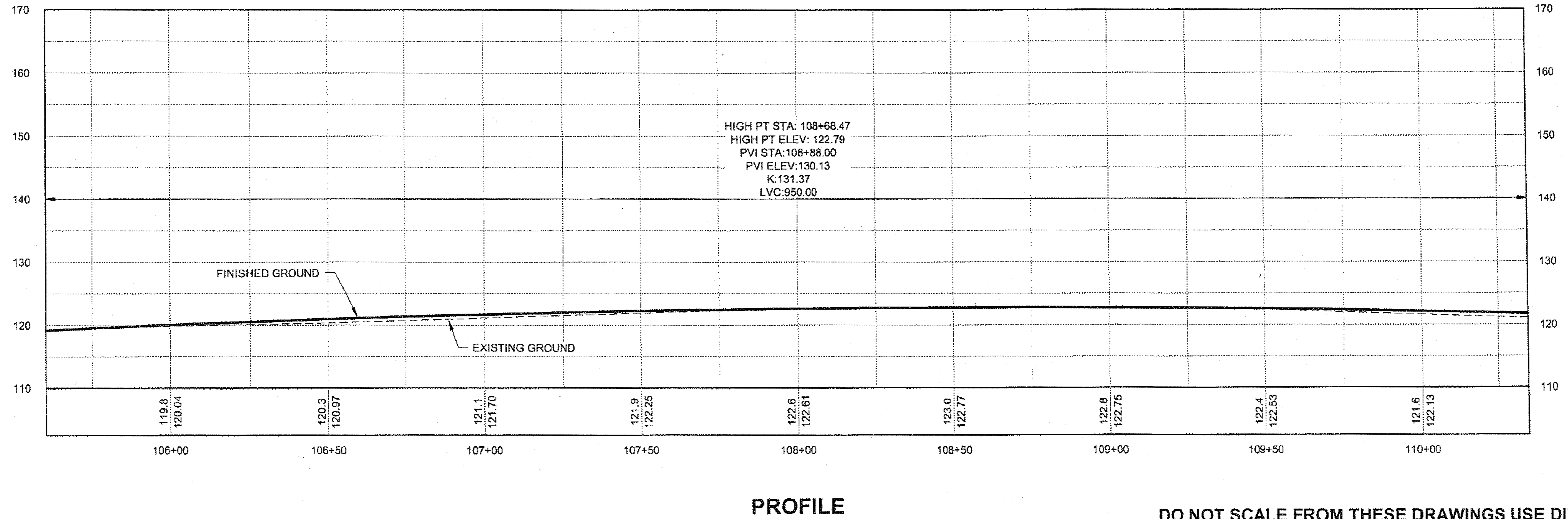
PATH:
Q:\JNU\69340\PLANSET\69340_F29-F34_P-P.DWG

GEARY, NATE (DOT)
TAB: F31 Tuesday, October 04, 2011 1:39:12 PM

ADDENDUM NUMBER	3	
ATTACHMENT NUMBER	7	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE. THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

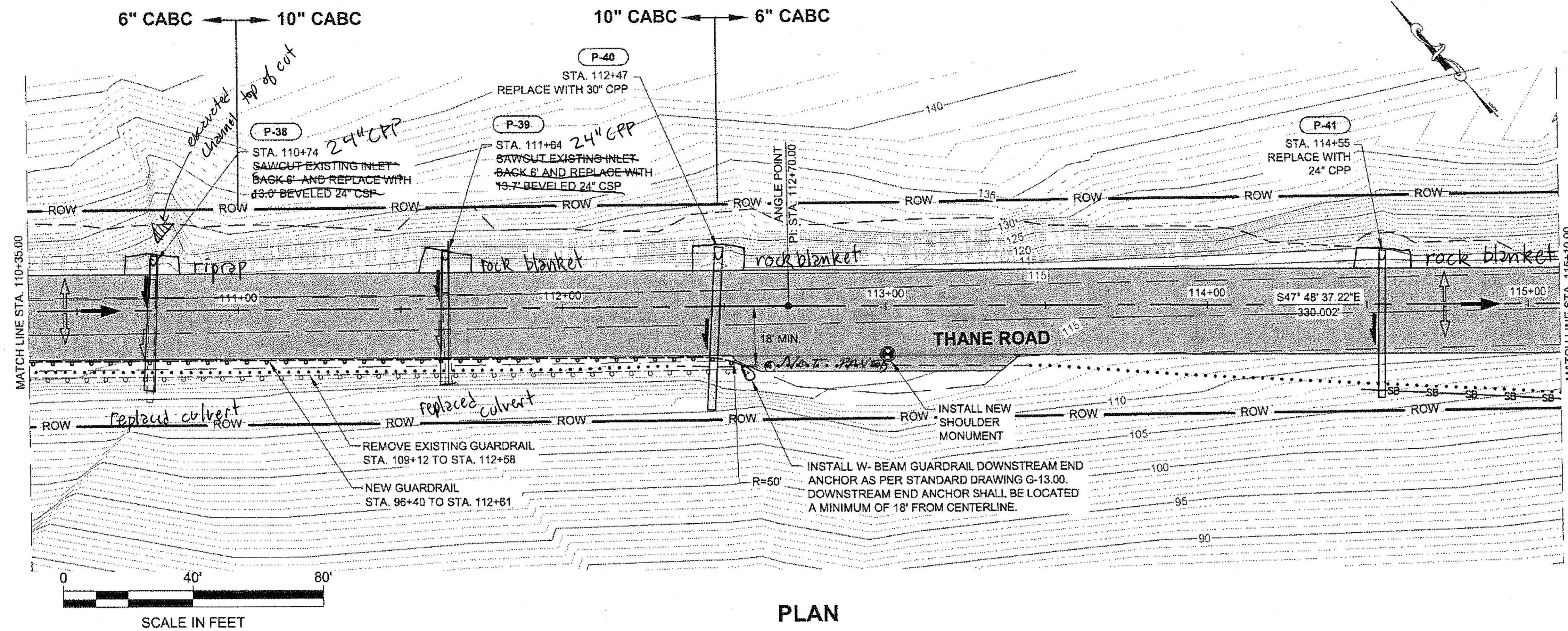
JNU-
THANE ROAD PAVEMENT REHABILITATION
PROJECT #69340

ADDITIVE ALTERNATE A PLAN & PROFILE

PROJECT DESIGNATION
69340

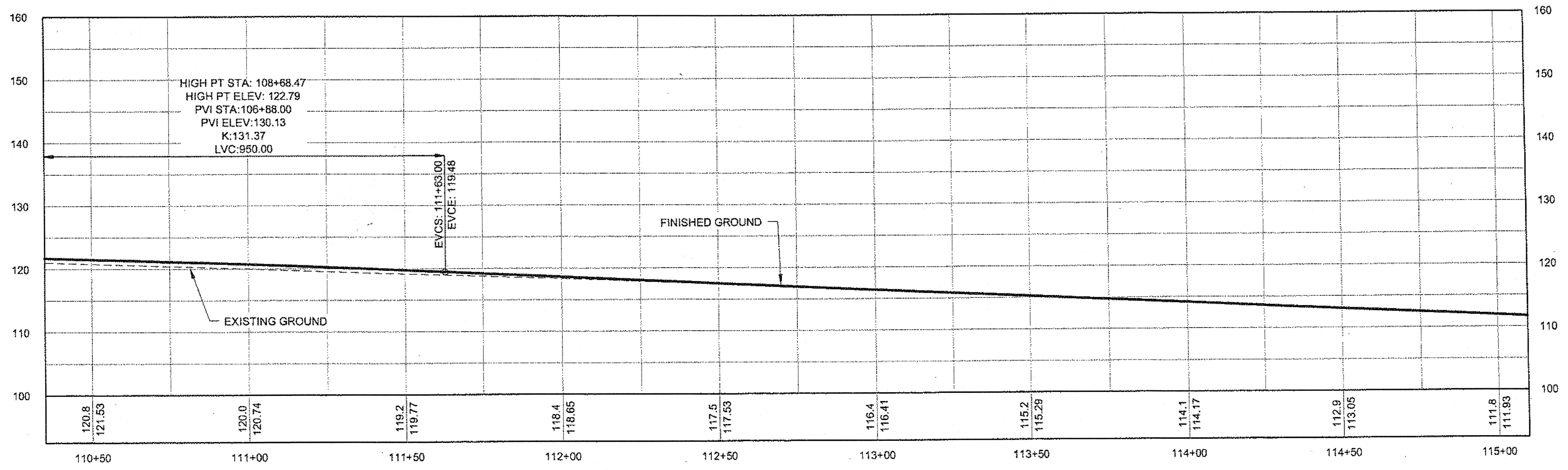
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F31	63

JSK 4/9/14
52 of 66



PLAN

PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE. THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.

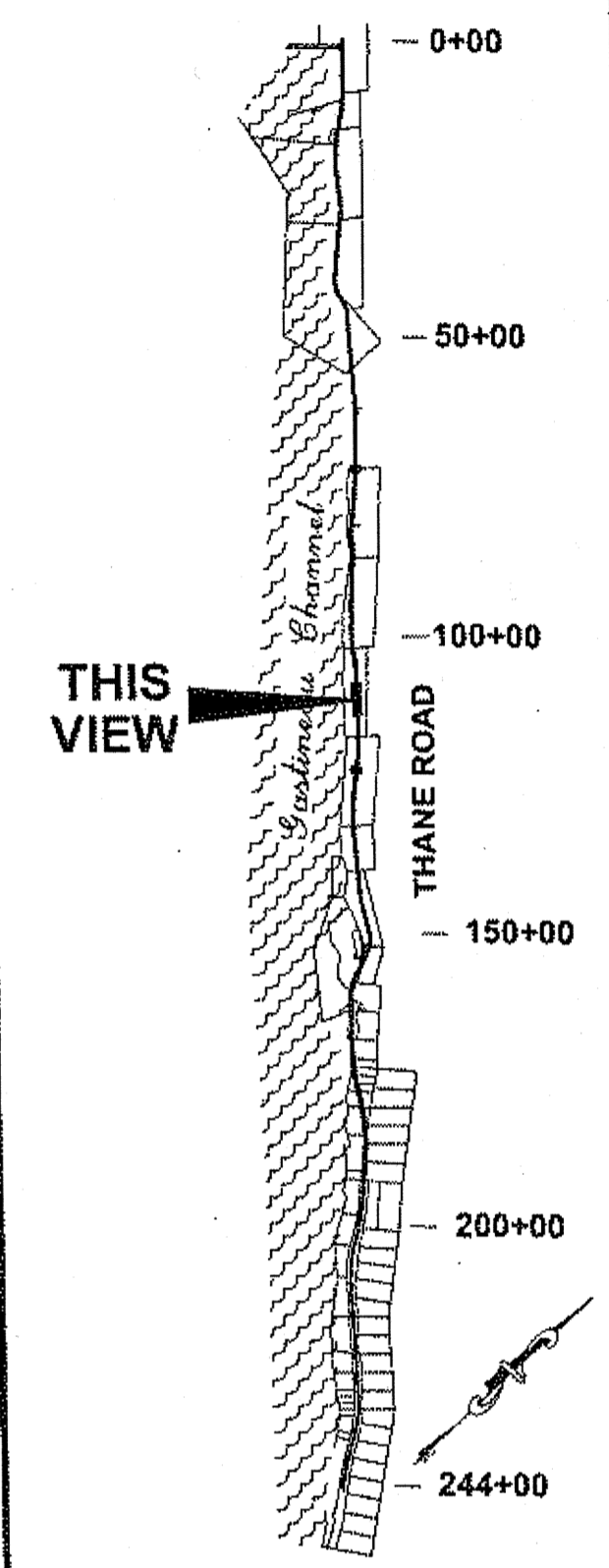


PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\JNU\69340\EN\IC3D THANE\PLANSET
 COPY: 169340_F29-F34_P-P.DWG
 KARPSTEIN, KEITH D (DOT)
 TAB: F32 Wednesday, September 28, 2011 1:03:45 P

ADDENDUM NUMBER	3	
ATTACHMENT NUMBER	7	
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER
 DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

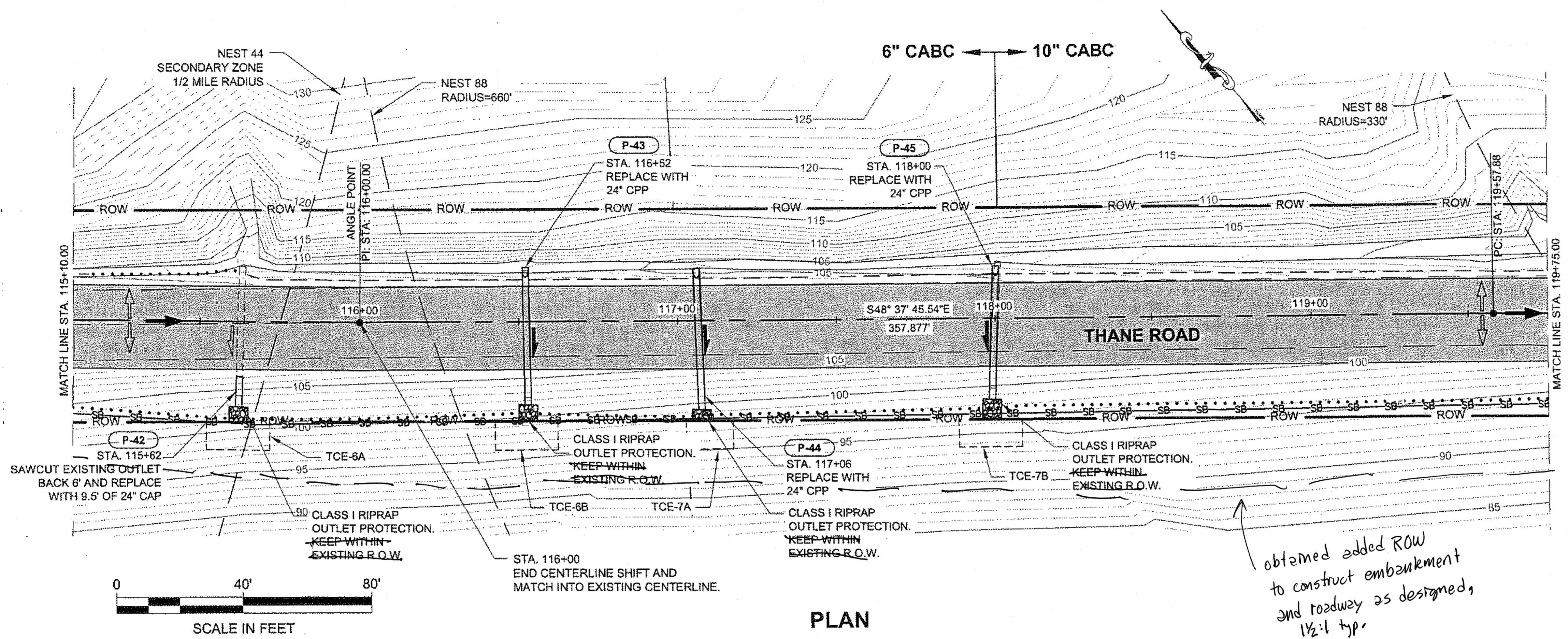
JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340
**ADDITIVE
 ALTERNATE A
 PLAN & PROFILE**

PROJECT DESIGNATION
69340

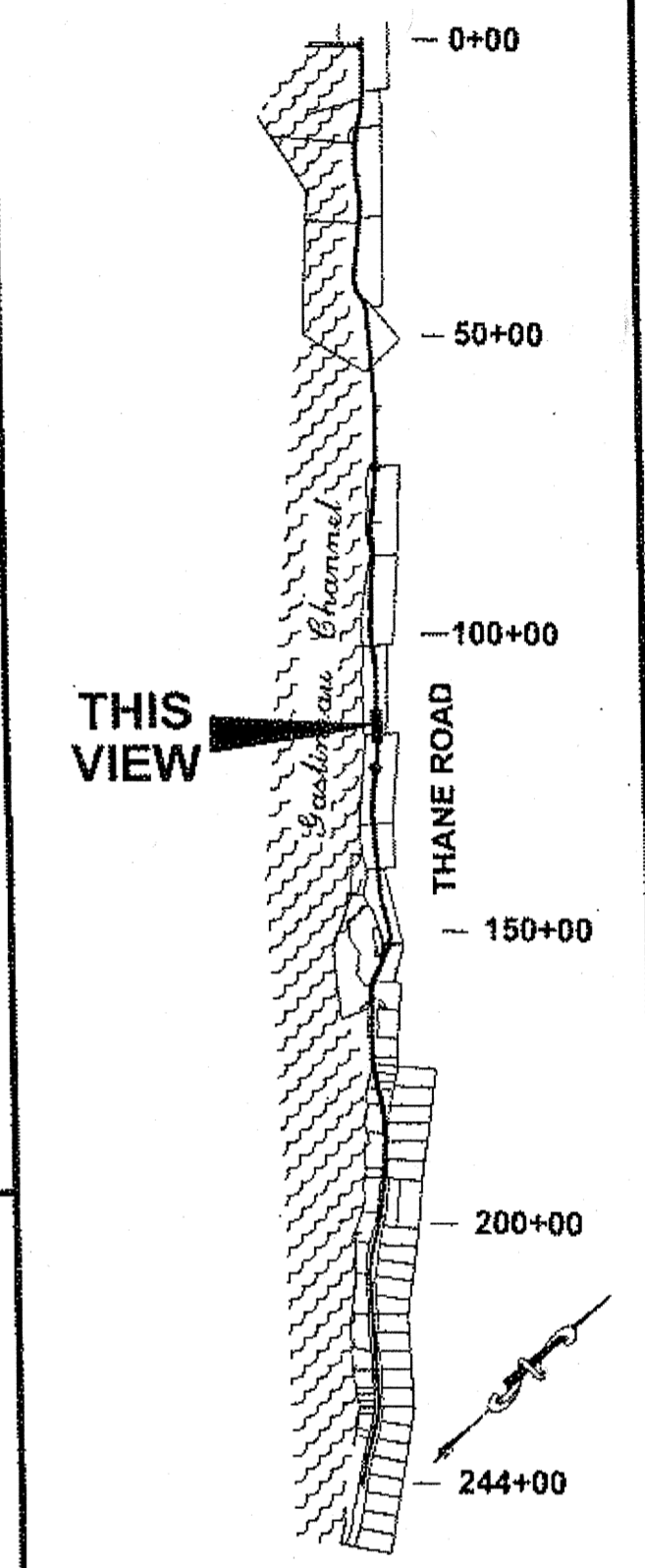
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F32	63

JSK
 4/9/14
 53 of 66

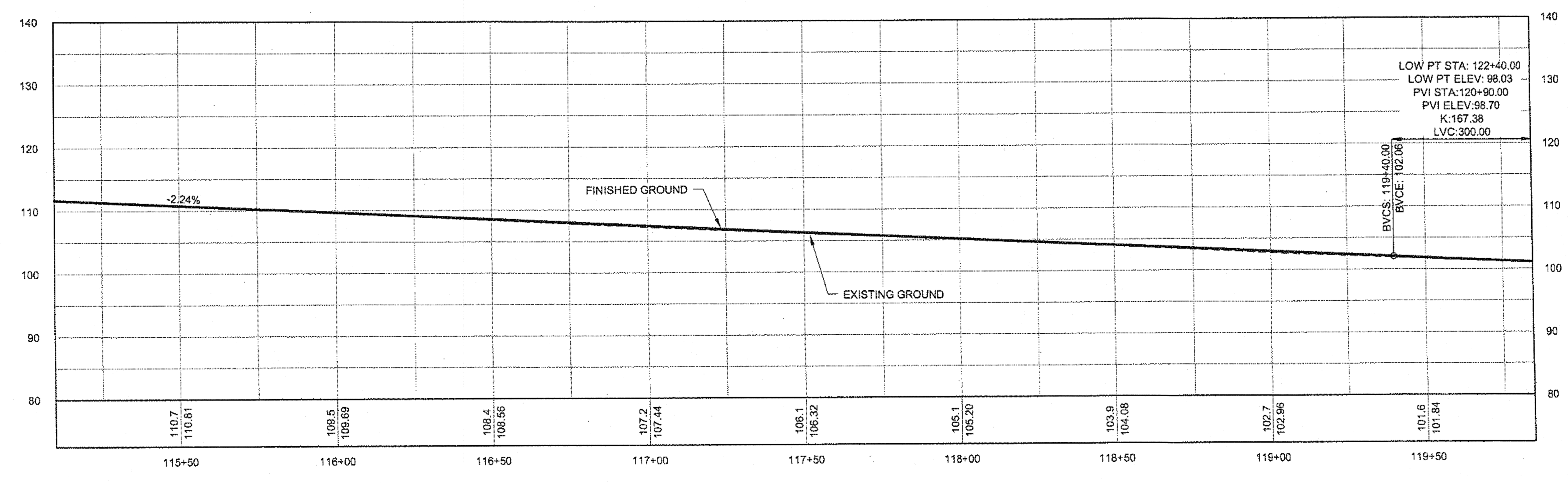
ADDENDUM NUMBER		
3		
ATTACHMENT NUMBER		
7		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



obtained added ROW to construct embankment and roadway as designed, 1 1/2:1 typ.



PROFILE IS PROVIDED WHERE NEW CENTERLINE SHIFTS OFF EXISTING CENTERLINE. THE INTENT IS TO MATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

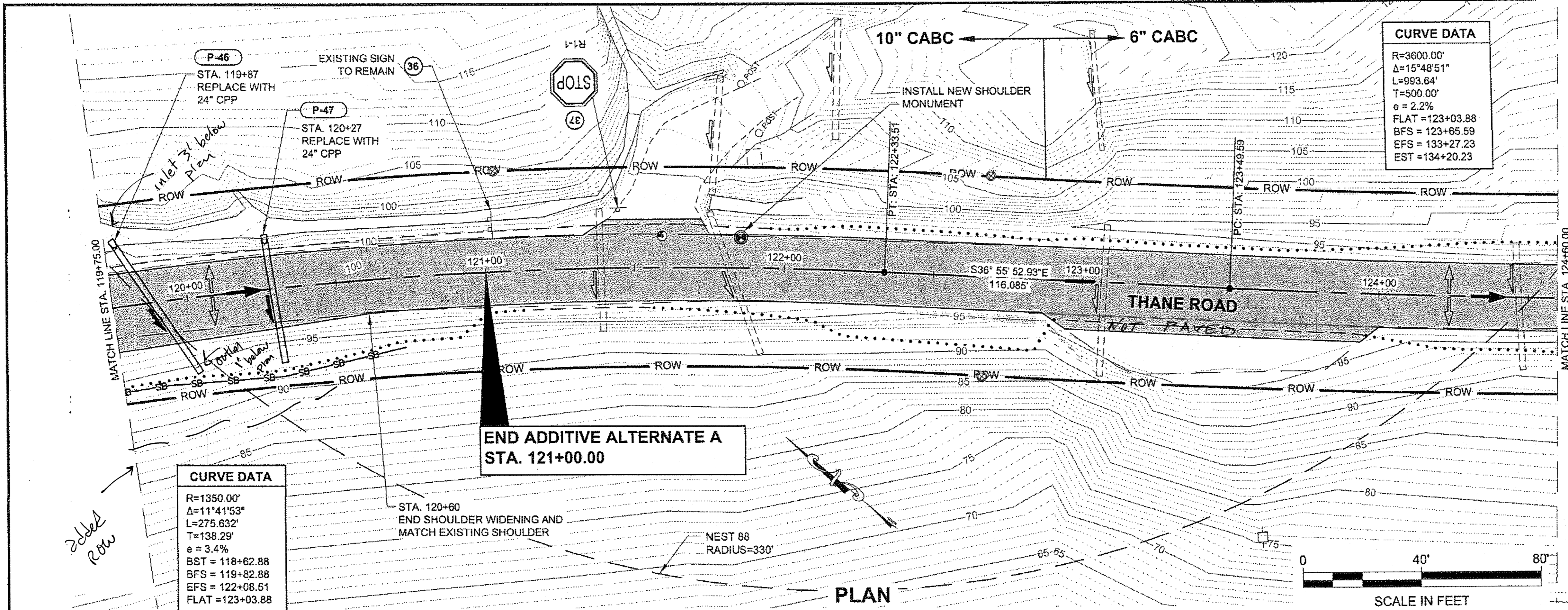
JNU-
 THANE ROAD PAVEMENT REHABILITATION
 PROJECT #69340
ADDITIVE ALTERNATE A PLAN & PROFILE

PROJECT DESIGNATION

69340

STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F33	63

JSK
 4/19/14
 54 of 66



CURVE DATA

R=3600.00'
 Δ=15°48'51"
 L=993.64'
 T=500.00'
 e = 2.2%
 FLAT = 123+03.88
 BFS = 123+65.59
 EFS = 133+27.23
 EST = 134+20.23

CURVE DATA

R=1350.00'
 Δ=11°41'53"
 L=275.632'
 T=138.29'
 e = 3.4%
 BST = 118+62.88
 BFS = 119+82.88
 EFS = 122+08.51
 FLAT = 123+03.88

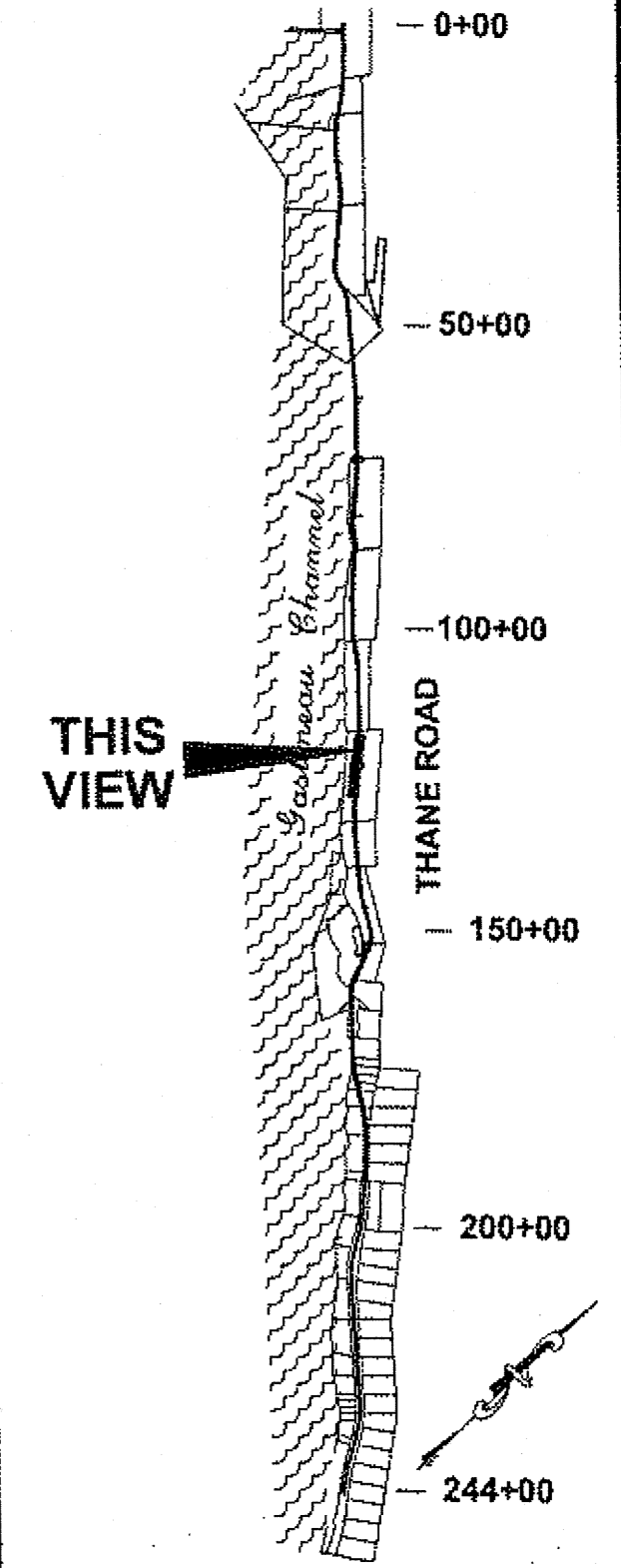
PATH:
 Q:\JUNI69340\ENIC3D THANE\PLANSET
 COPY\69340_F29-F34_P.P.DWG
 KARPSTEIN, KEITH D (DOT)
 TAB: F34 Wednesday, September 28, 2011 1:04:53 P

ADDENDUM NUMBER
 3

ATTACHMENT NUMBER
 7

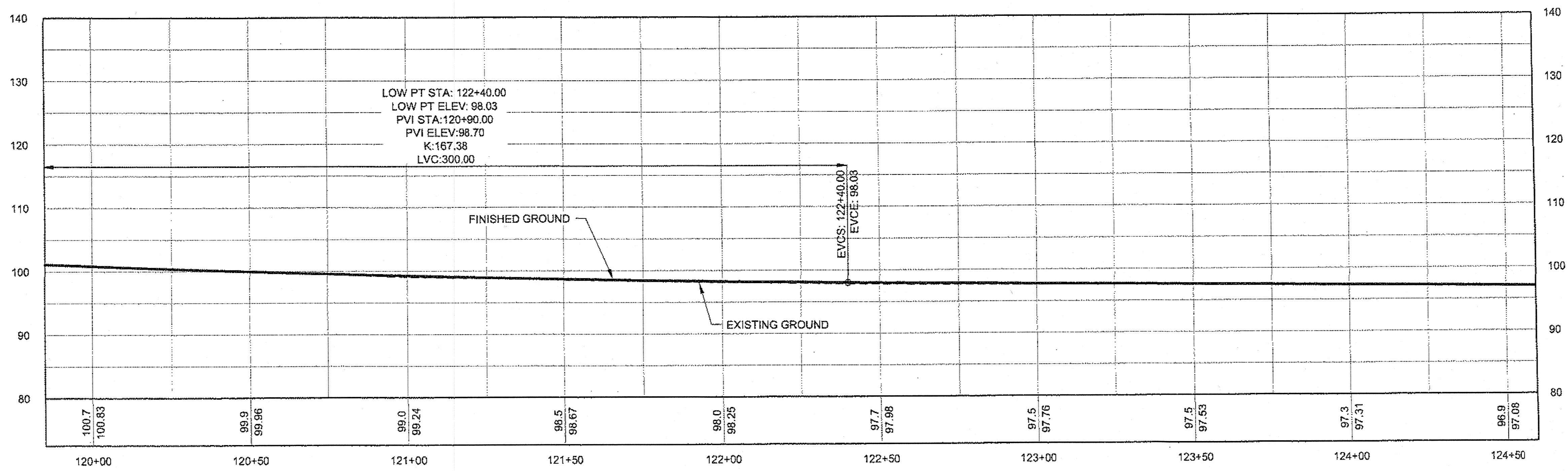
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

PROFILE IS PROVIDED WHERE PROPOSED CENTERLINE SHIFTS OFF EXISTING CENTERLINE. THE INTENT IS TO PATCH EXISTING GRADES AS CLOSELY AS POSSIBLE.



PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

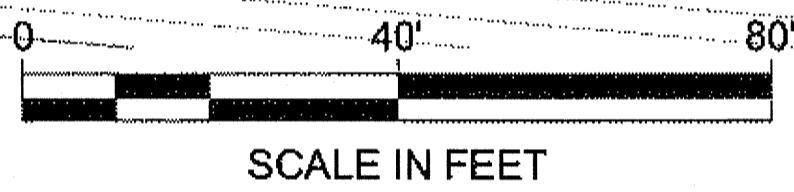
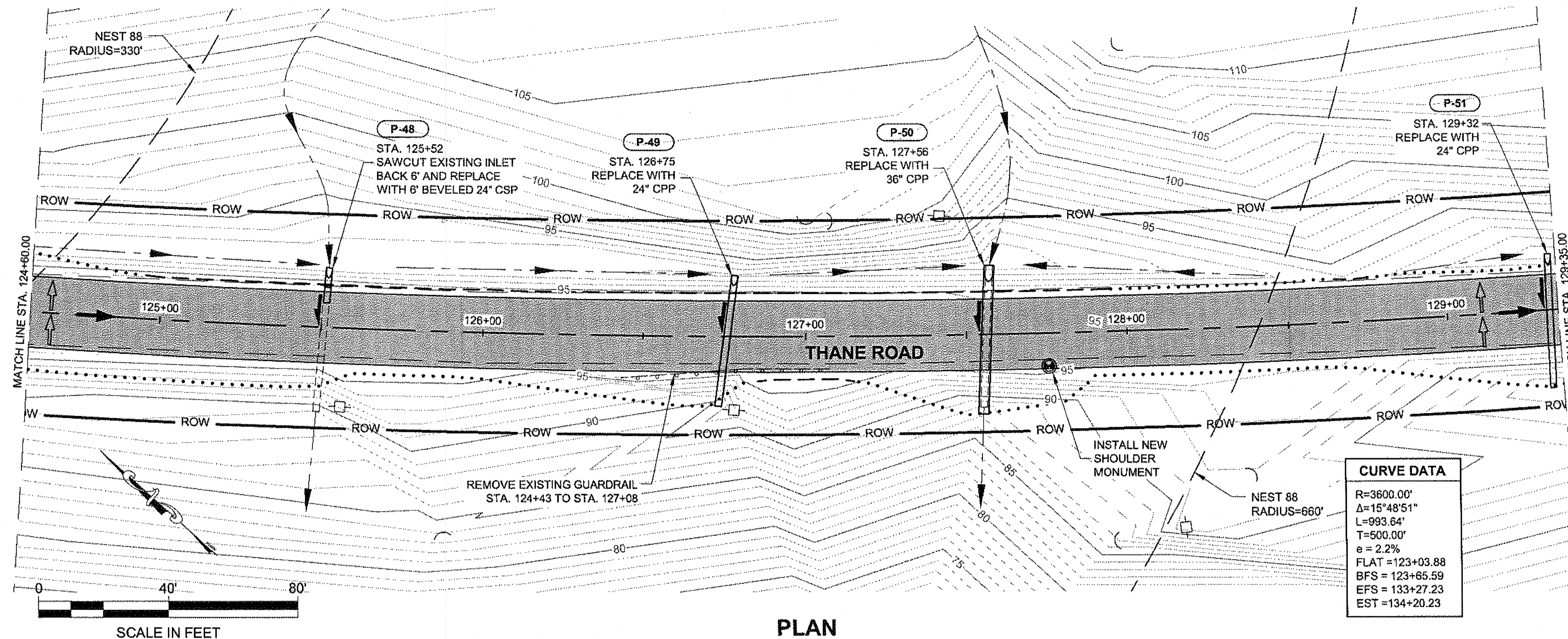
JNU-
 THANE ROAD PAVEMENT
 REHABILITATION
 PROJECT #69340
**ADDITIVE
 ALTERNATE A
 PLAN VIEW**

PROJECT DESIGNATION
69340

STATE	YEAR
ALASKA	2011

SHEET NUMBER	TOTAL SHEETS
F34	63

JSK
 4/19/14
 55 of 66



PLAN

CURVE DATA	
R=3600.00'	
A=15°48'51"	
L=993.64'	
T=500.00'	
e = 2.2%	
FLAT = 123+03.88	
BFS = 123+65.59	
EFS = 133+27.23	
EST = 134+20.23	

PATH:
Q:\JNU\69340\PLANS\69340_F29-F34_P-P.DWG

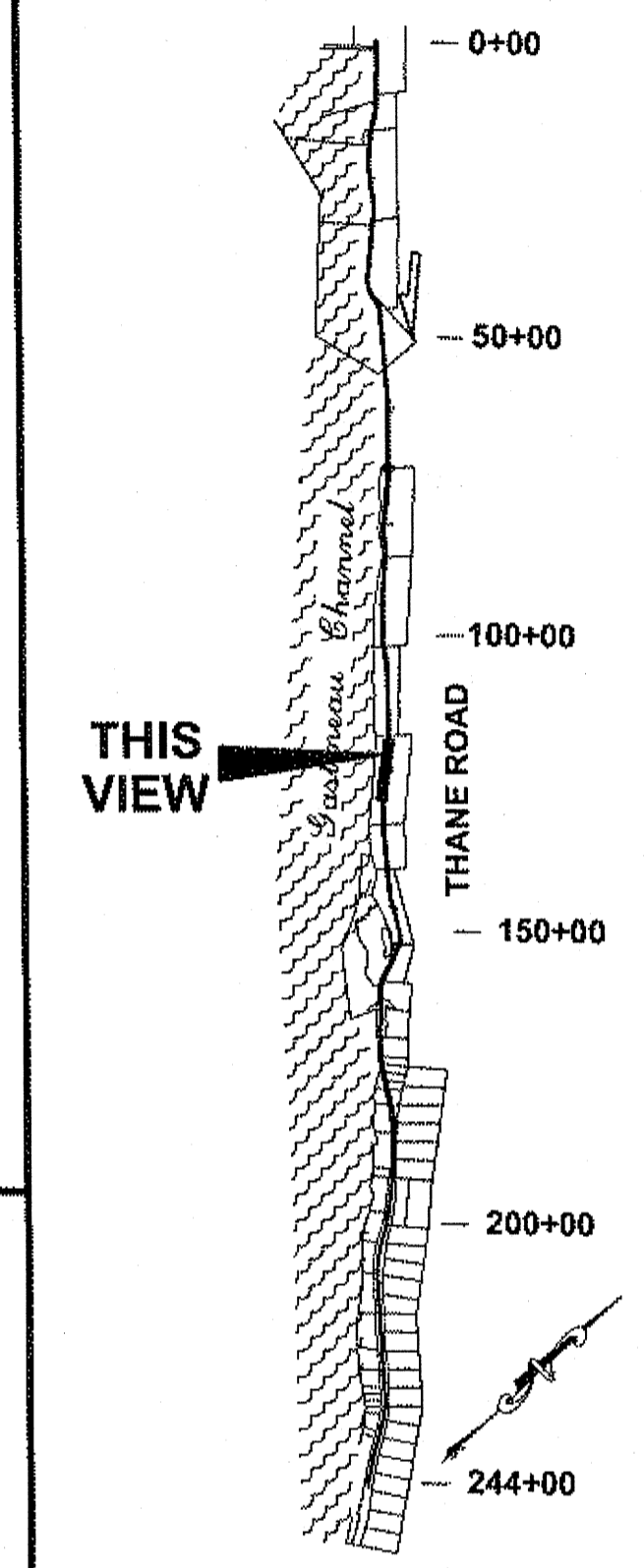
GRANTHAM, RICK L (DOT)
TAB: F35 Friday, August 19, 2011 8:49:26 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER

DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU-
THANE ROAD PAVEMENT
REHABILITATION
PROJECT #69340
**ADDITIVE
ALTERNATE A
PLAN VIEW**

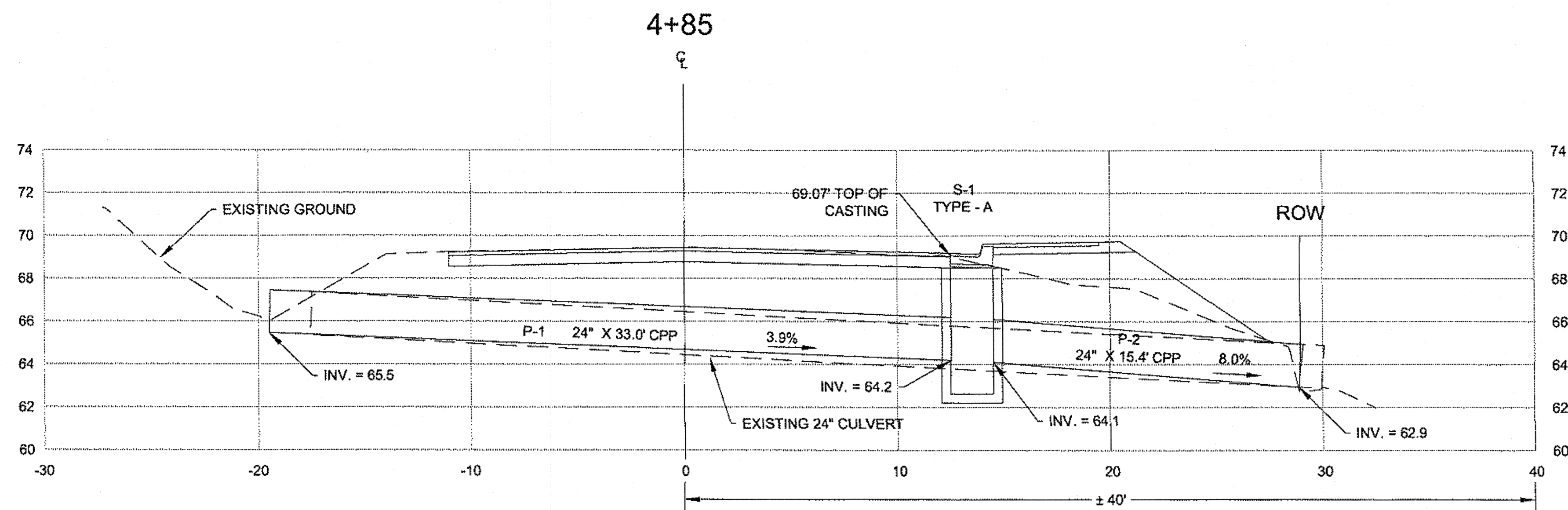
PROJECT DESIGNATION

69340

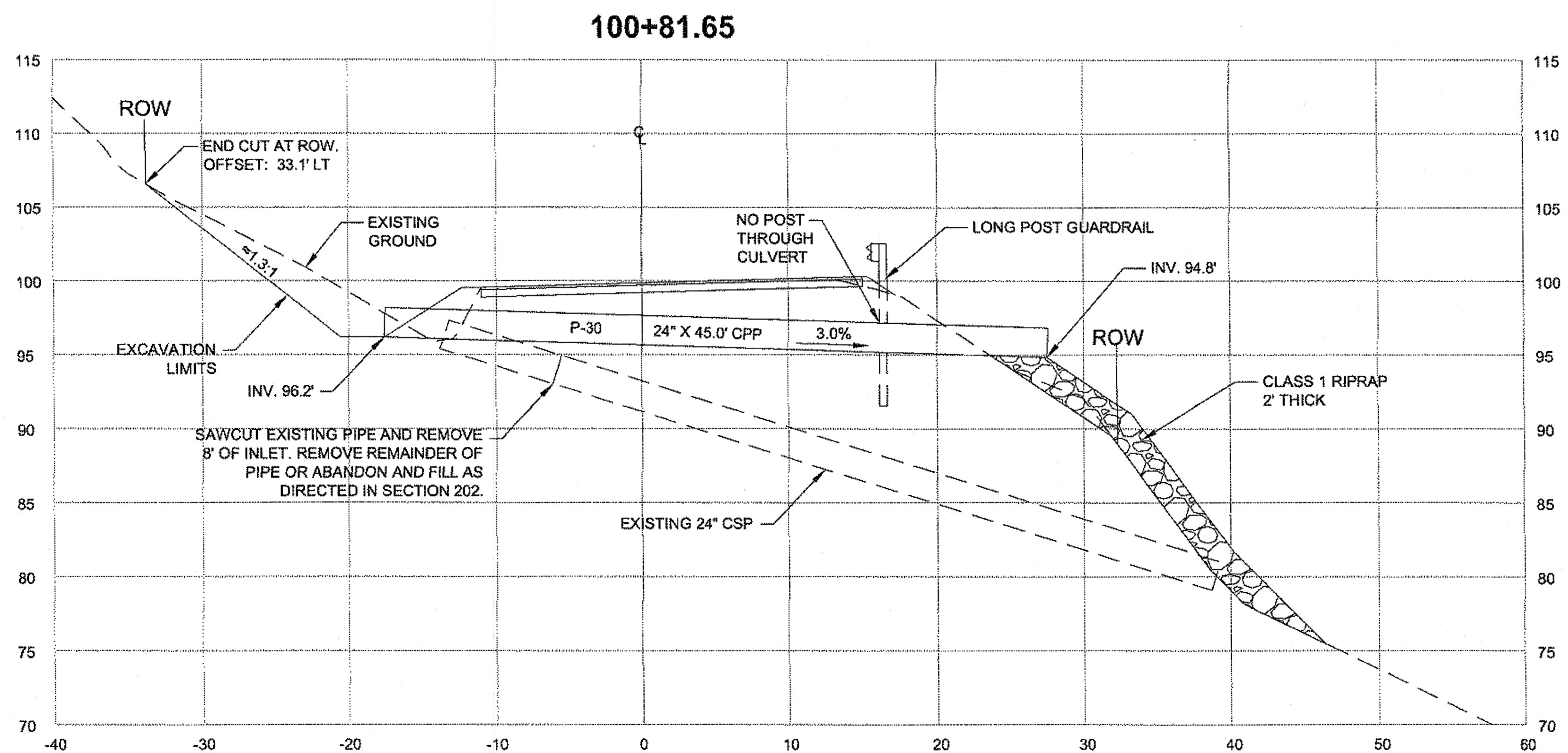
STATE	YEAR
ALASKA	2011
SHEET NUMBER	TOTAL SHEETS
F35	63

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

JSK
4/9/14
56 of 66



BURIED 10" DI WATERLINE (DEPTH UNKNOWN)



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

DESIGNED BY: D. MULLINER, D. LESTER
DRAWN BY: R. GRANTHAM

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

JNU-THANE ROAD
PAVEMENT REHABILITATION
PROJECT #69340

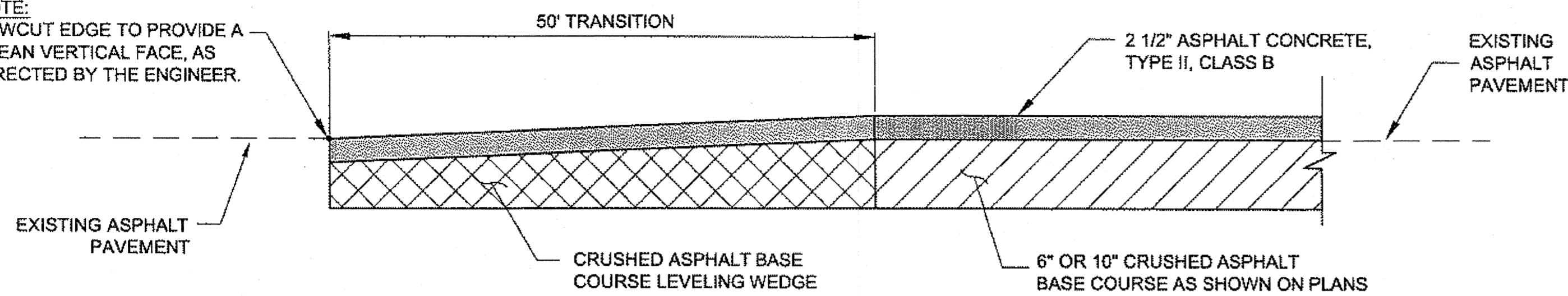
DRAINAGE PROFILE

PATH: Q:\JNU\69340\PLANS\69340_H1_DETAILS.DWG
TAB: H1 Thursday, August 18, 2011 4:17:05 PM GRANTHAM, RICK L (DOT)

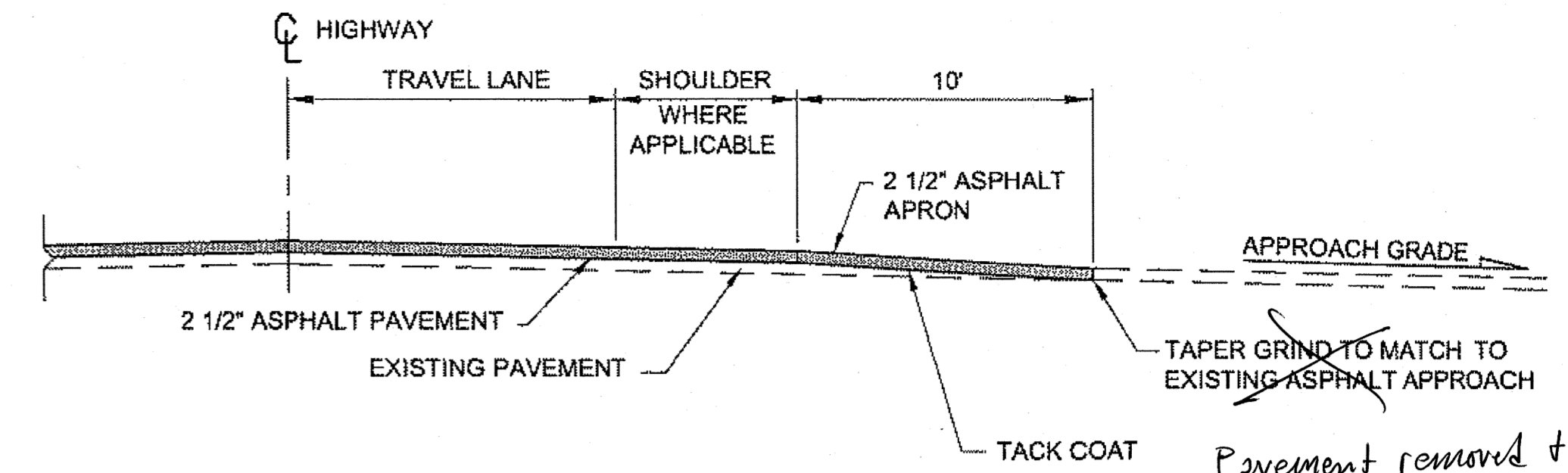
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			69340	2011	H1	63

JSK
4/9/14
57 of 66

NOTE:
SAWCUT EDGE TO PROVIDE A
CLEAN VERTICAL FACE, AS
DIRECTED BY THE ENGINEER.

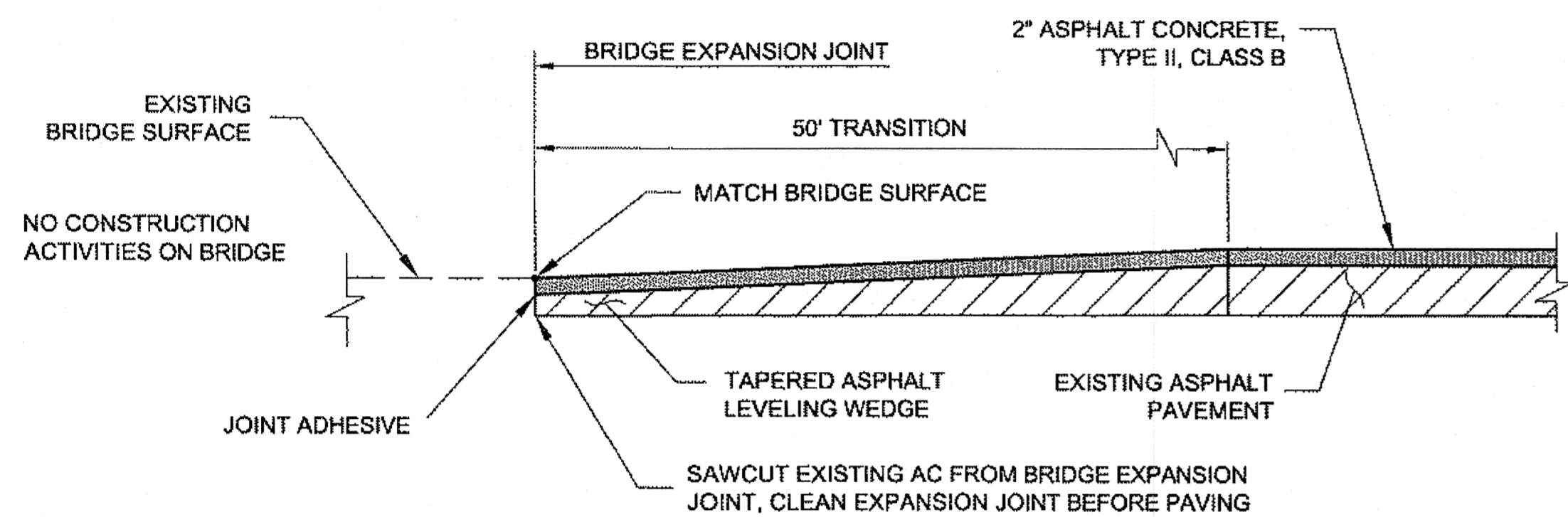


**PAVEMENT TRANSITION DETAIL
(WITH CABC)**

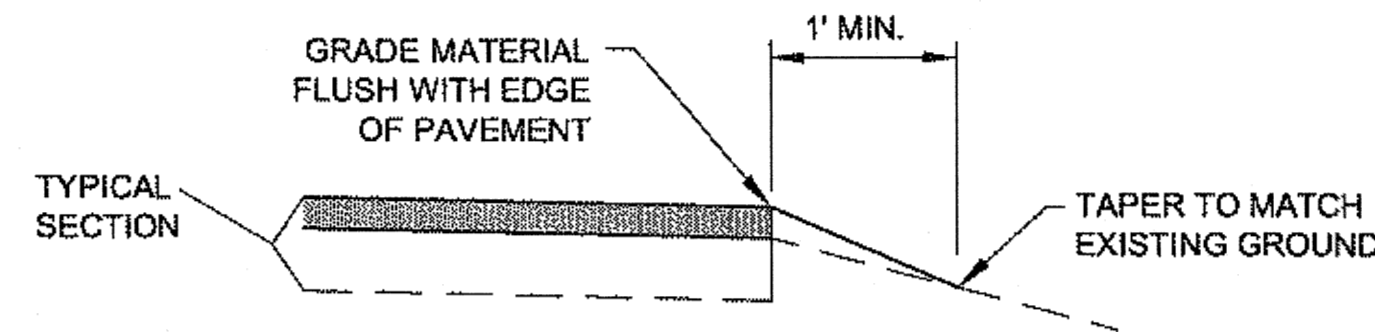


**MILL STREET APPROACH PROFILE
NTS**

Pavement removed & replaced



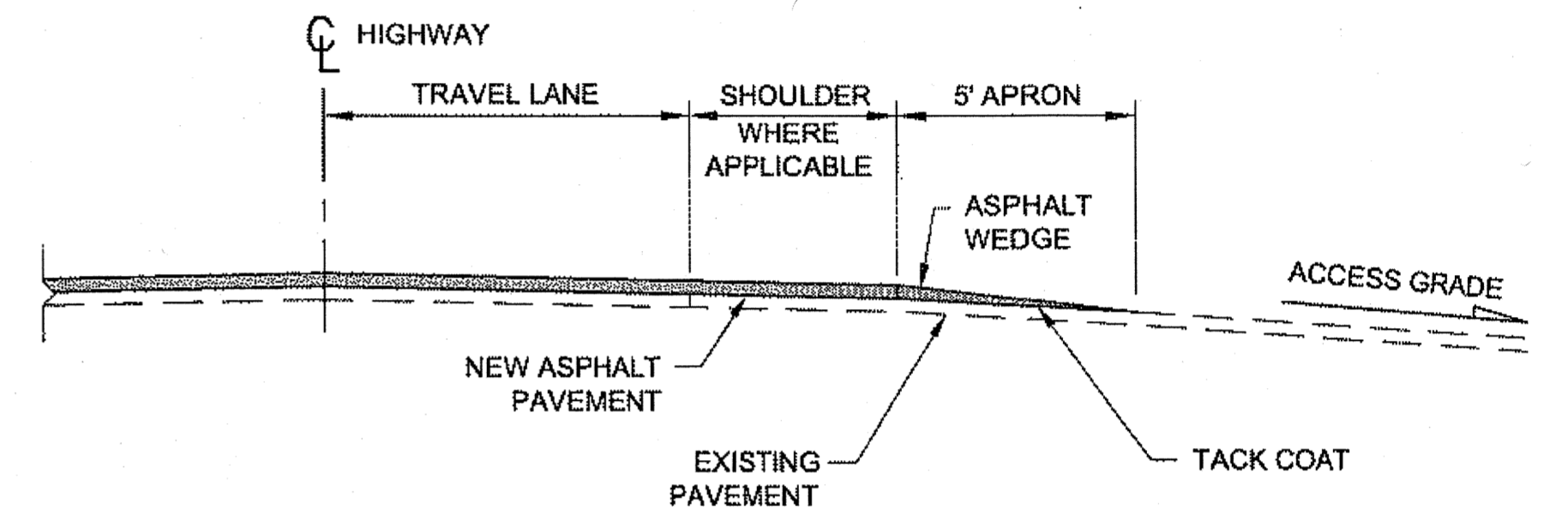
**SHEEP CREEK BRIDGE DETAIL
STA. 164+71**



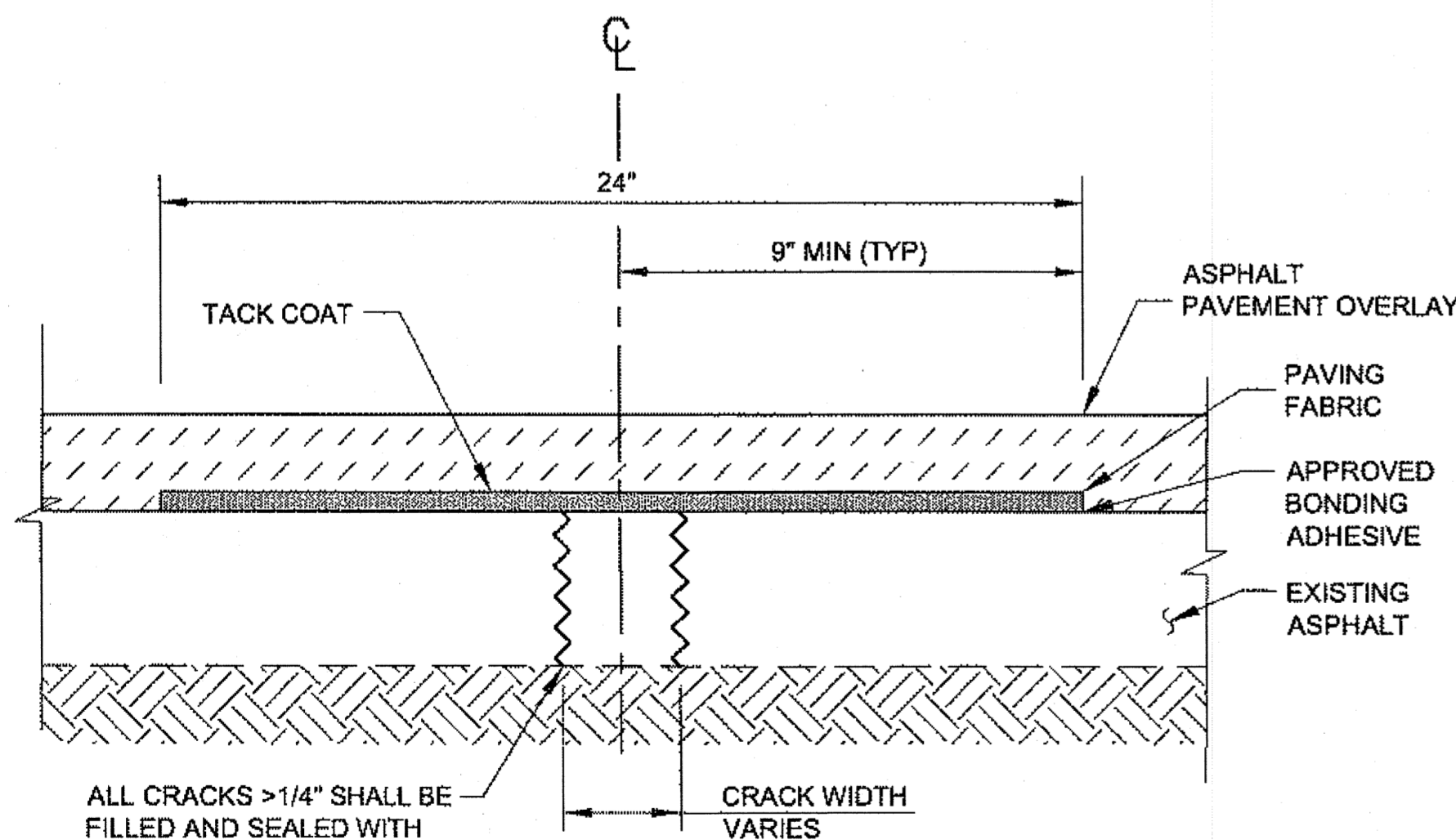
LINEAR GRADING

LEFT AND RIGHT EDGE OF PAVEMENT

1. MATERIAL FOR LINEAR GRADING SHALL MEET THE REQUIREMENTS AS SPECIFIED IN SECTION 303 OF THE SPECIAL PROVISIONS.
2. LINEAR GRADING SHALL BE PAID FOR UNDER ITEM 303(3).



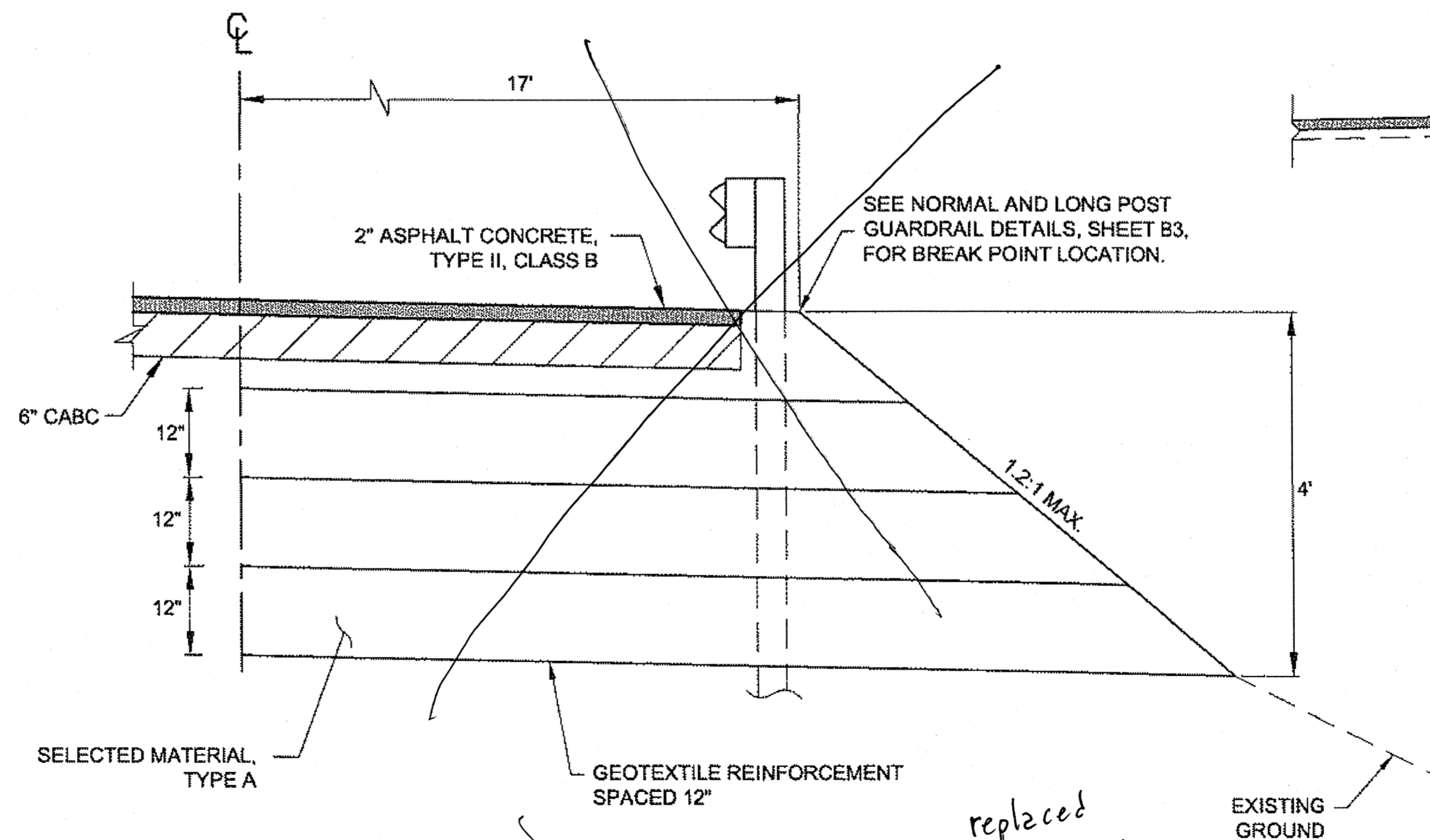
**PAVED DRIVEWAY/TURNOUT APRON
NTS**



**PAVING FABRIC/CRACK REPAIR
NTS**

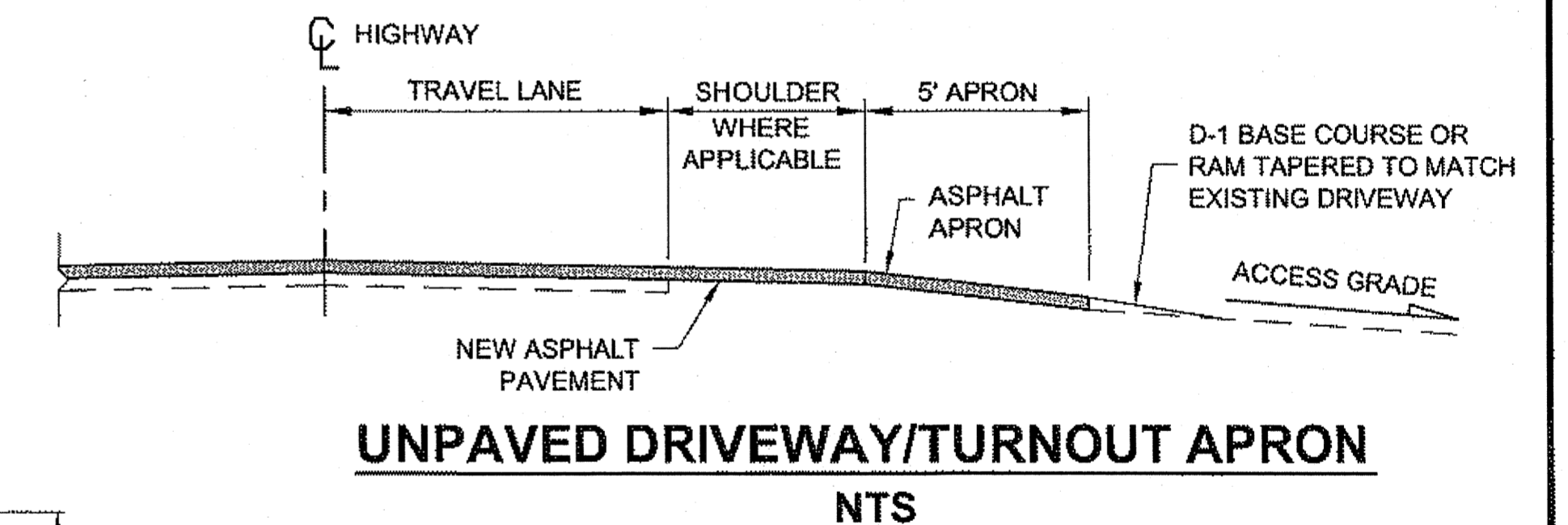
NOTES:

1. REFER TO SECTION 632 IN THE SPECIFICATIONS FOR SURFACE PREPARATION.
2. APPLY APPROVED TACK COAT OVER MEMBRANE PRIOR TO PAVING. REFER TO SECTION 632 OF THE SPECIAL PROVISIONS.
3. CRACK REPAIR PAID FOR UNDER ITEM 632(1) PAVING FABRIC.



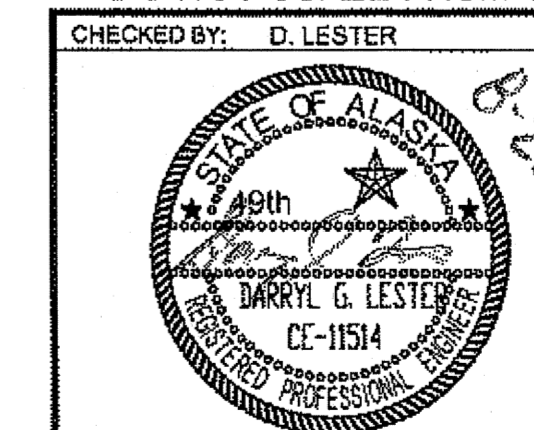
**EMBANKMENT REPAIR DETAIL
(OUTBOUND LANE & SHOULDER)
STA. 98+50 TO STA. 99+50
STA. 102+25 TO STA. 103+50**

replaced addendum 1



**UNPAVED DRIVEWAY/TURNOUT APRON
NTS**

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



DESIGNED BY: D. MULLINER, D. LESTER
DRAWN BY: R. GRANTHAM
PATH: Q:\JNU\69340\PLANSET\69340_11-12_DETAILS.DWG
TAB: J1 Thursday, August 18, 2011 4:17:42 PM GRANTHAM, RICK L. (DOT)

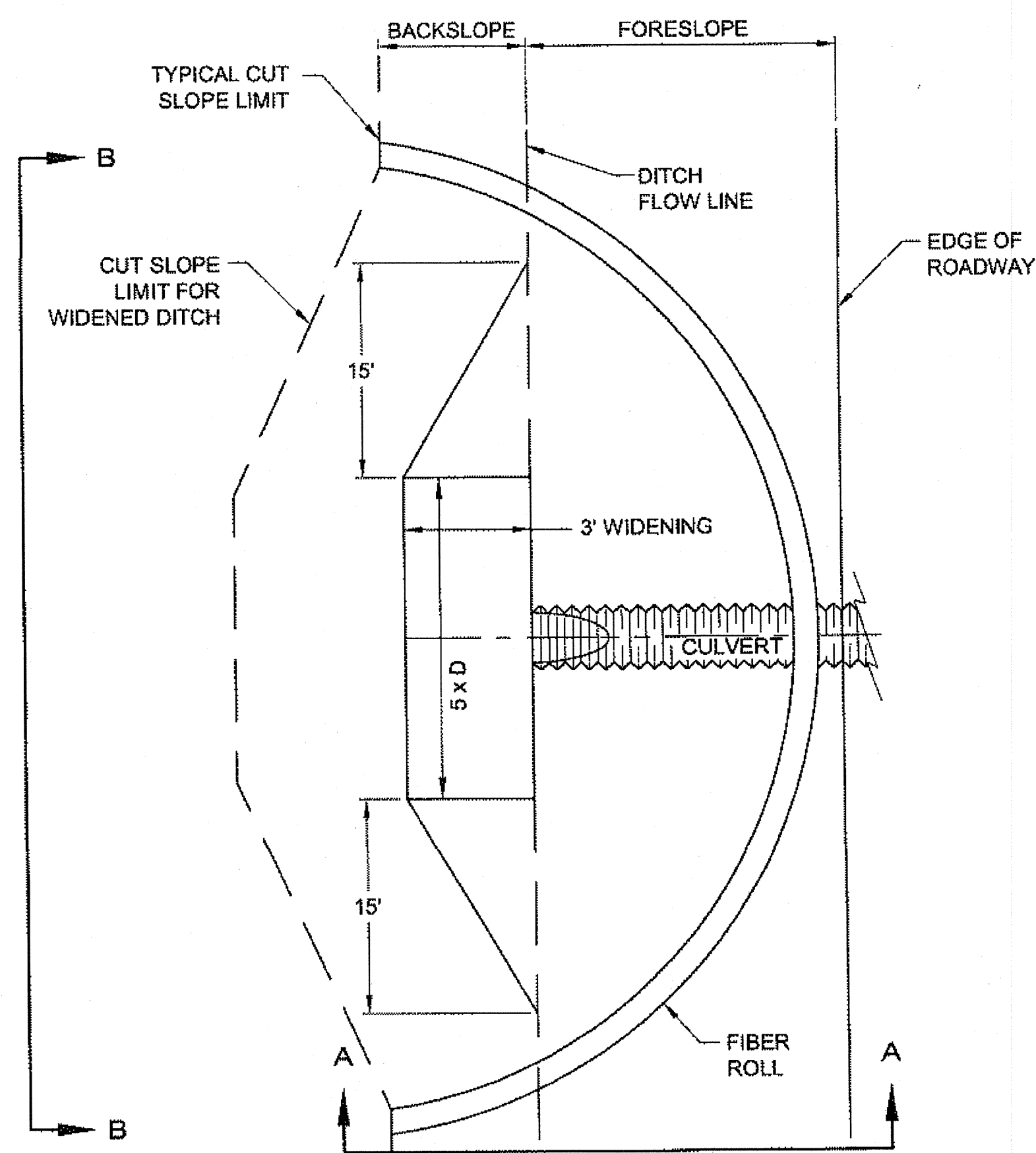
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**JNU-THANE ROAD
PAVEMENT REHABILITATION
PROJECT #69340**

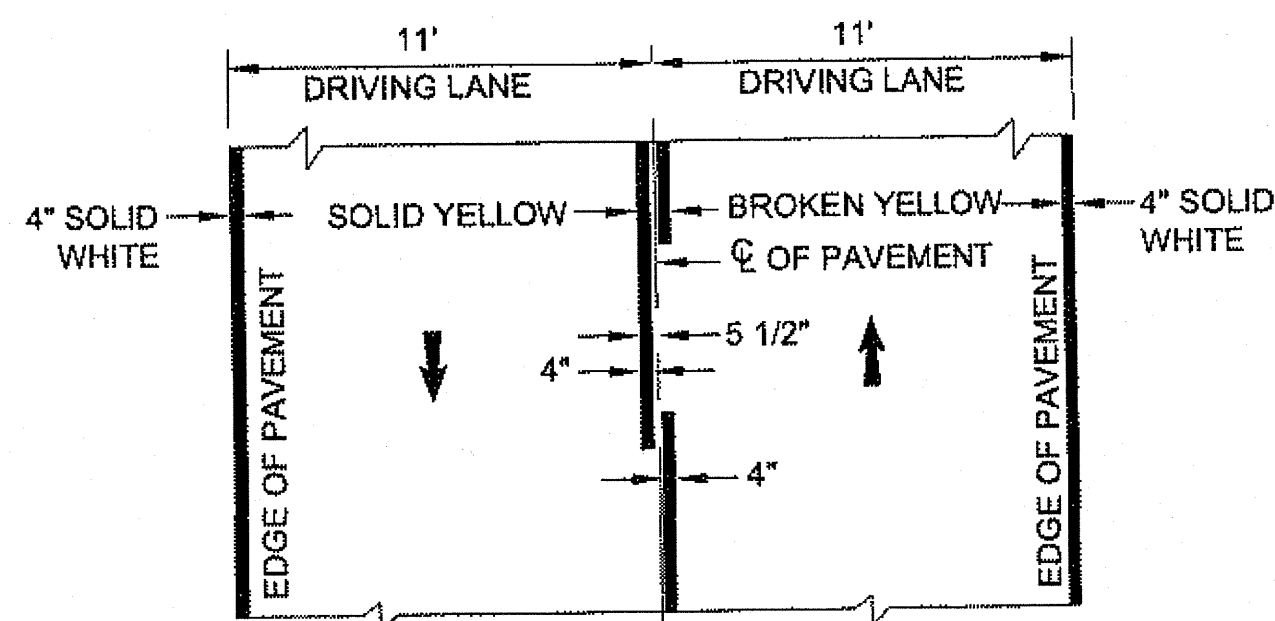
MISC DETAILS

NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69340	2011	J1	63

*JSK
4/9/14
58 of 66*

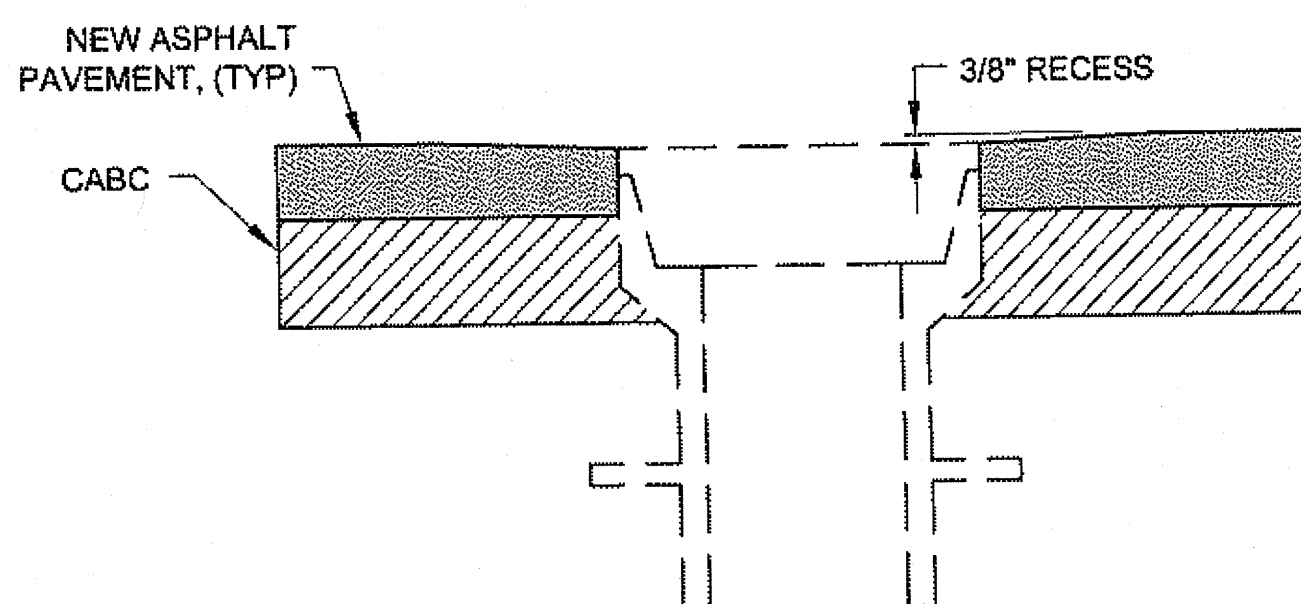


PLAN VIEW
DITCH WIDENING FOR CULVERT INLET



STRIPING NOTE:
PASSING ZONES SHALL BE LOCATED IN FIELD. THE CONTRACTOR SHALL REFERENCE AND STAKE THE LOCATIONS OF PASSING ZONES PER SPECIAL PROVISION 670.

STRIPING DETAIL

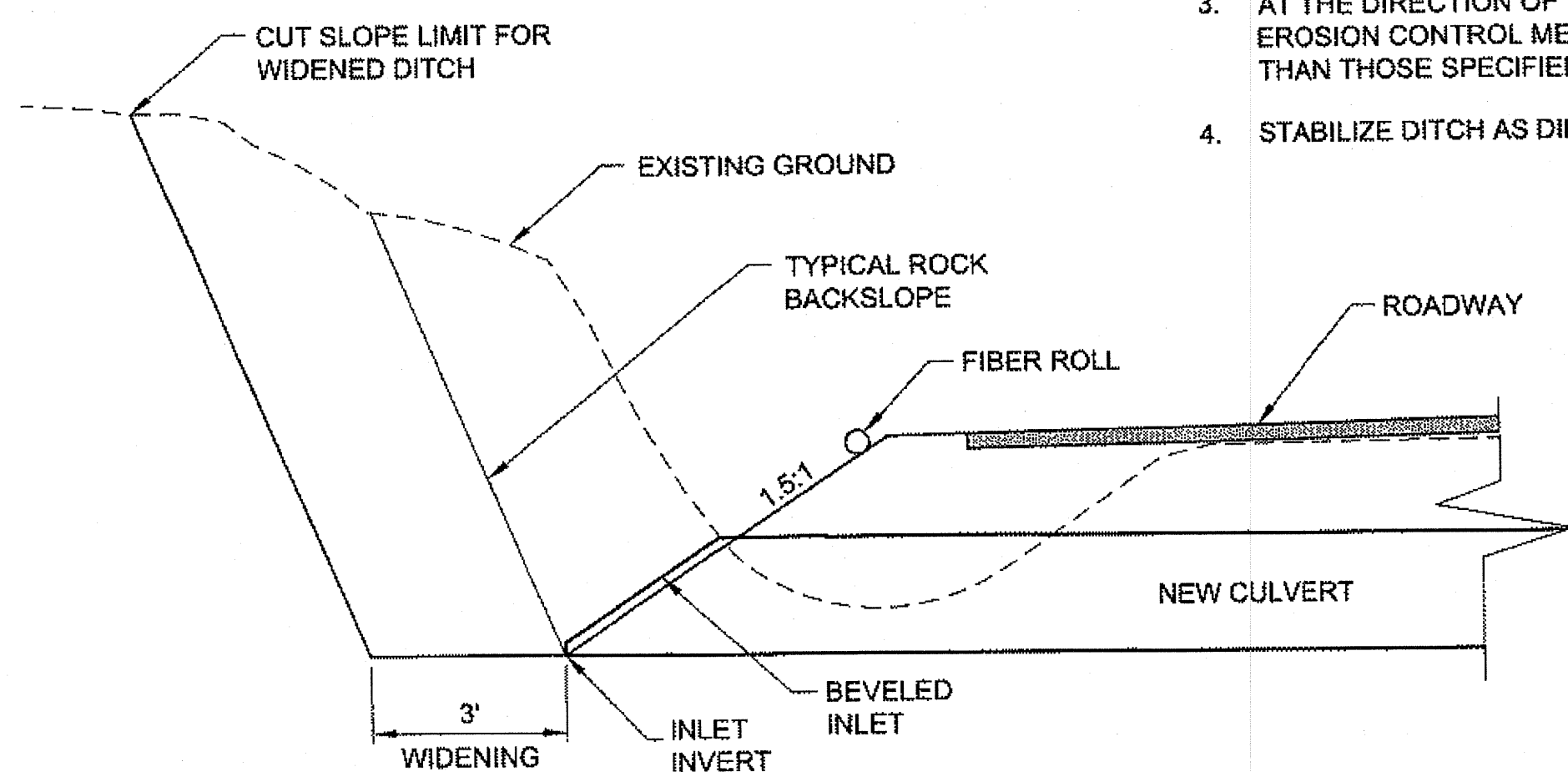


MONUMENT CASE DETAIL

SEE STD. DWG. M-16.01 FOR ADDITIONAL DETAILS.

DITCH WIDENING NOTES:

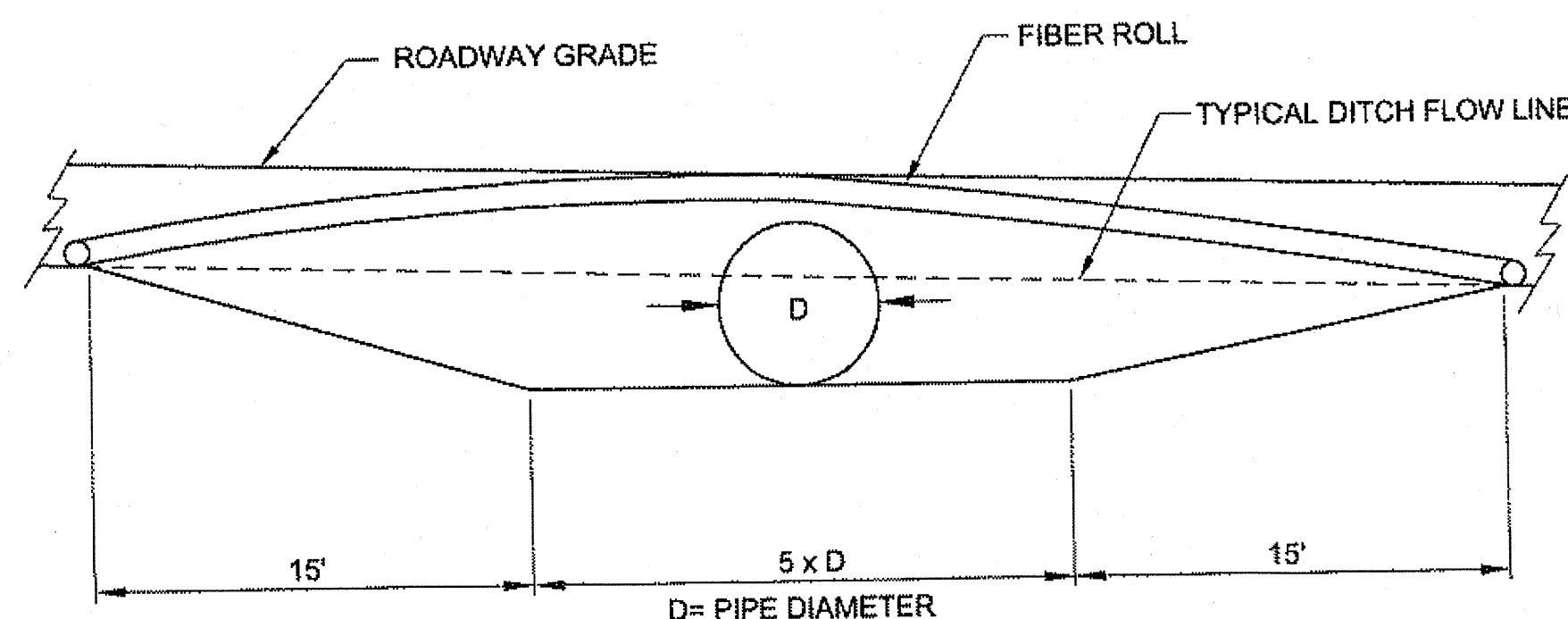
- STANDARD DITCH GRADE TRANSITIONS FROM V BOTTOM DITCH TO 3 FT. FLAT BOTTOM DITCH.
- TRANSITION NEW DITCH & FORESLOPE SMOOTHLY TO MATCH EXISTING CONDITIONS AS DIRECTED BY THE ENGINEER. TRANSITION FORESLOPE TO 1.5:1 AT CULVERT.
- AT THE DIRECTION OF THE ENGINEER, TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES MAY BE REQUIRED AT LOCATIONS OTHER THAN THOSE SPECIFIED.
- STABILIZE DITCH AS DIRECTED.



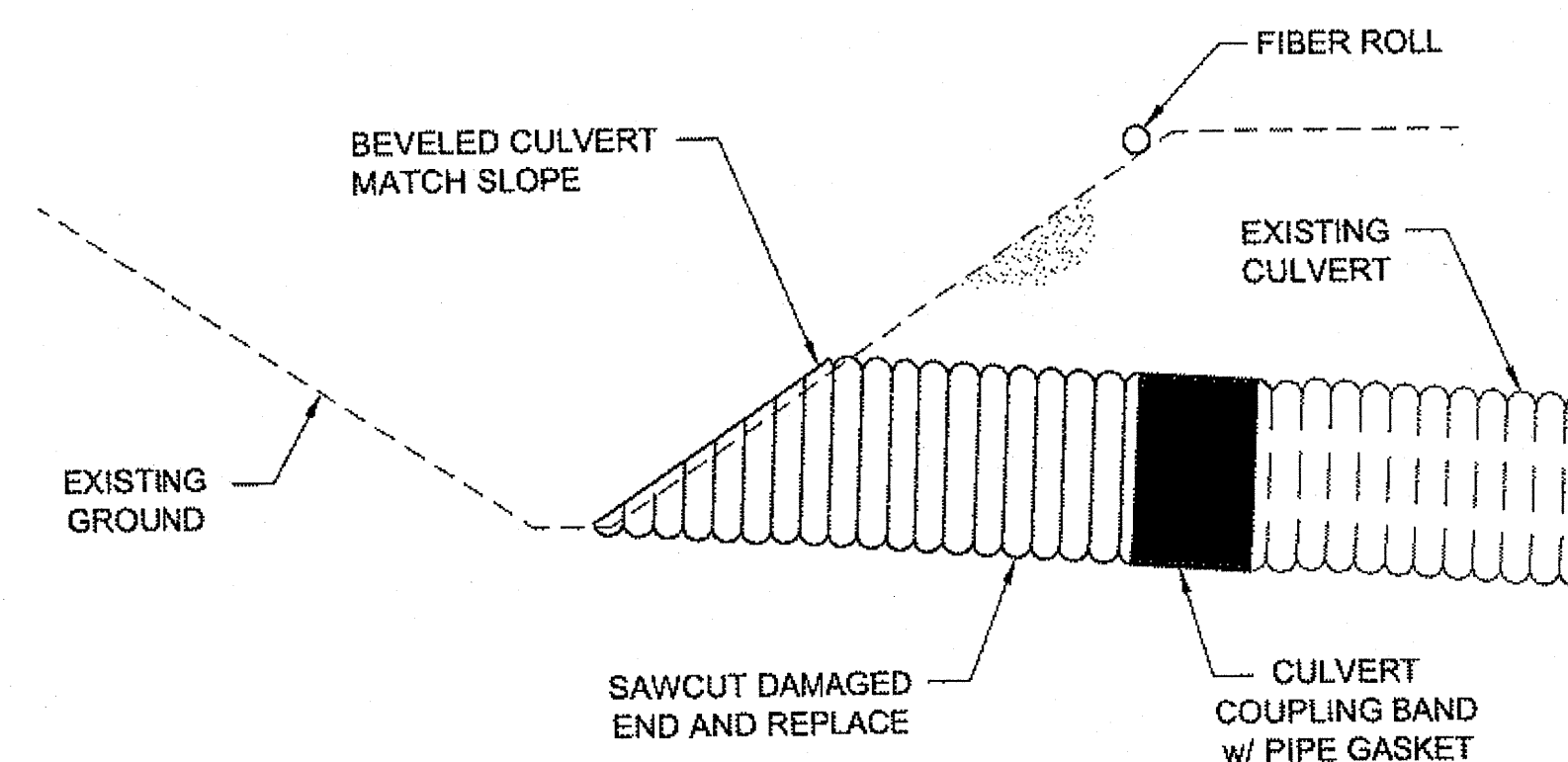
SECTION VIEW A-A

DITCH WIDENING DETAIL

STA. 100+90 TO STA. 114+50



ELEVATION VIEW B-B

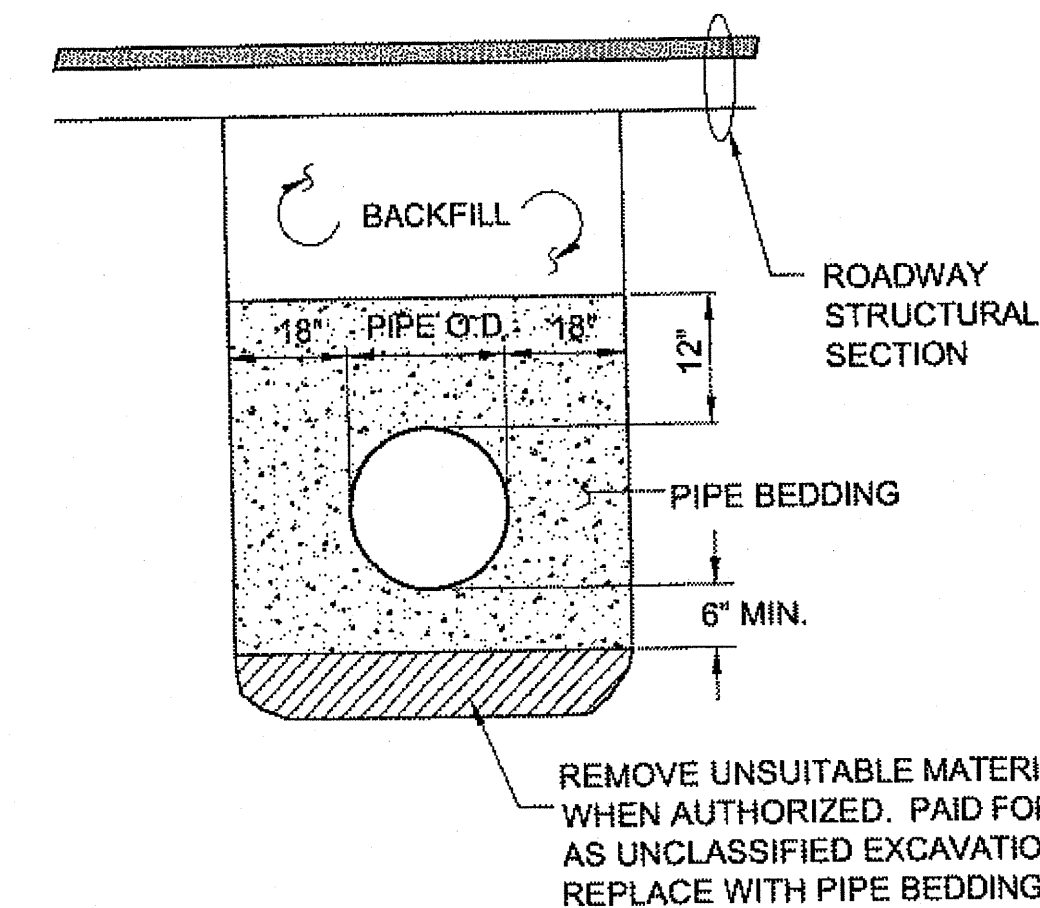


CULVERT END REPLACEMENT

NTS

CULVERT NOTES:

- REPLACEMENT CULVERTS ARE TO BE INSTALLED AT SAME INVERT ELEVATION, GRADE, SKEW ANGLE, AND CHANNEL ALIGNMENT AS EXISTING PIPE UNLESS OTHERWISE DETAILED IN THESE PLANS OR AS DIRECTED.
- NEW PIPE LENGTH SHALL MATCH EXISTING PIPE LENGTH, UNLESS OTHERWISE DETAILED IN THESE PLANS OR AS DIRECTED.
- NEW CULVERT ENDS ARE TO BE INSTALLED ONLY ON DESIGNATED PIPES. FOR LOCATIONS SEE PLAN SHEETS & CULVERT SUMMARY.
- ALL NEW CULVERT INLETS SECTIONS WILL BE BEVELED T.S.T. *only csp inlet replacement.*
- FOR CULVERT END REPLACEMENT USE ANNULAR, HUGGER, HELICAL OR FLAT COUPLING BAND OR ENGINEERS RECOMMENDATION ALONG WITH SLEEVE, STRIP OR MASTIC GASKET.

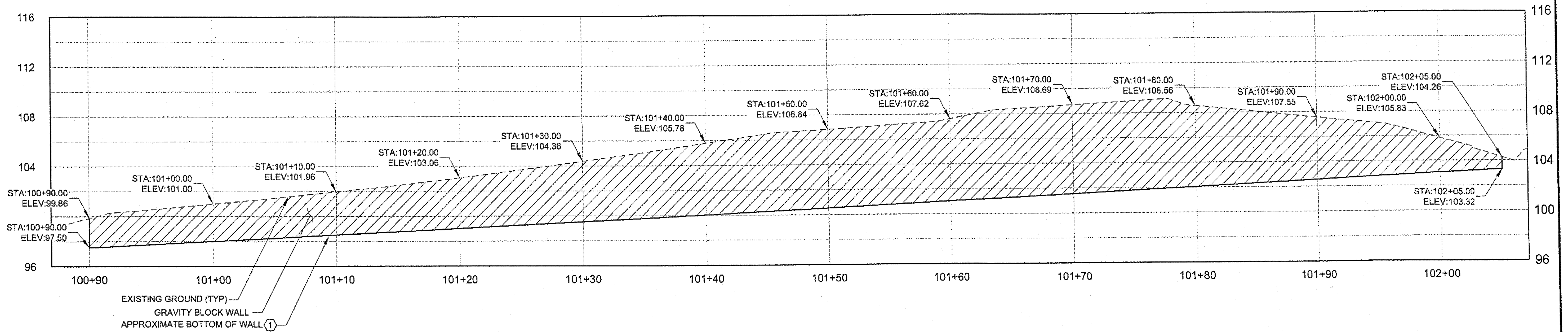


CULVERT BEDDING/BACKFILL DETAIL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

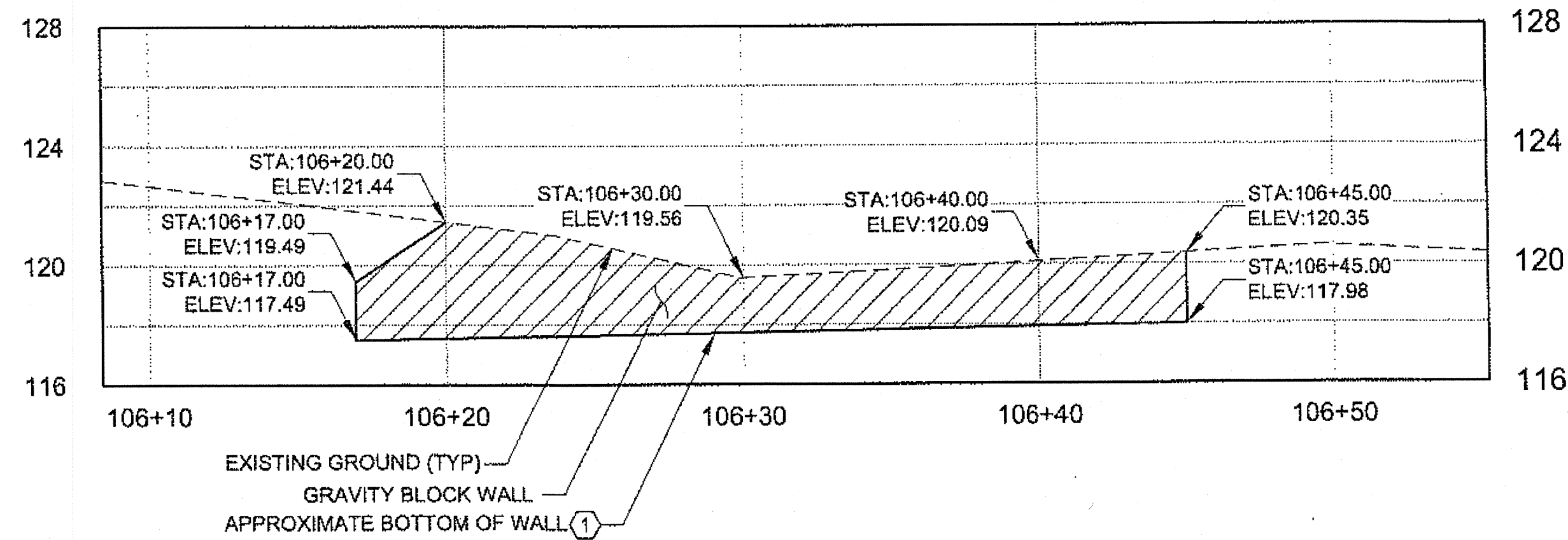
CHECKED BY: D. LESTER		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER, D. LESTER		<p>JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340</p> <p>CULVERT DETAILS</p>	
DRAWN BY: R. GRANTHAM			
PATH: Q:\JNU\69340\PLANSET\69340_J1-J2_DETAILS.DWG		PROJECT DESIGNATION	YEAR
TAB: J2 Thursday, August 25, 2011 2:09:00 PM		69340	2011
REVISIONS		SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	J2
			63

JSK
4/19/14
590666



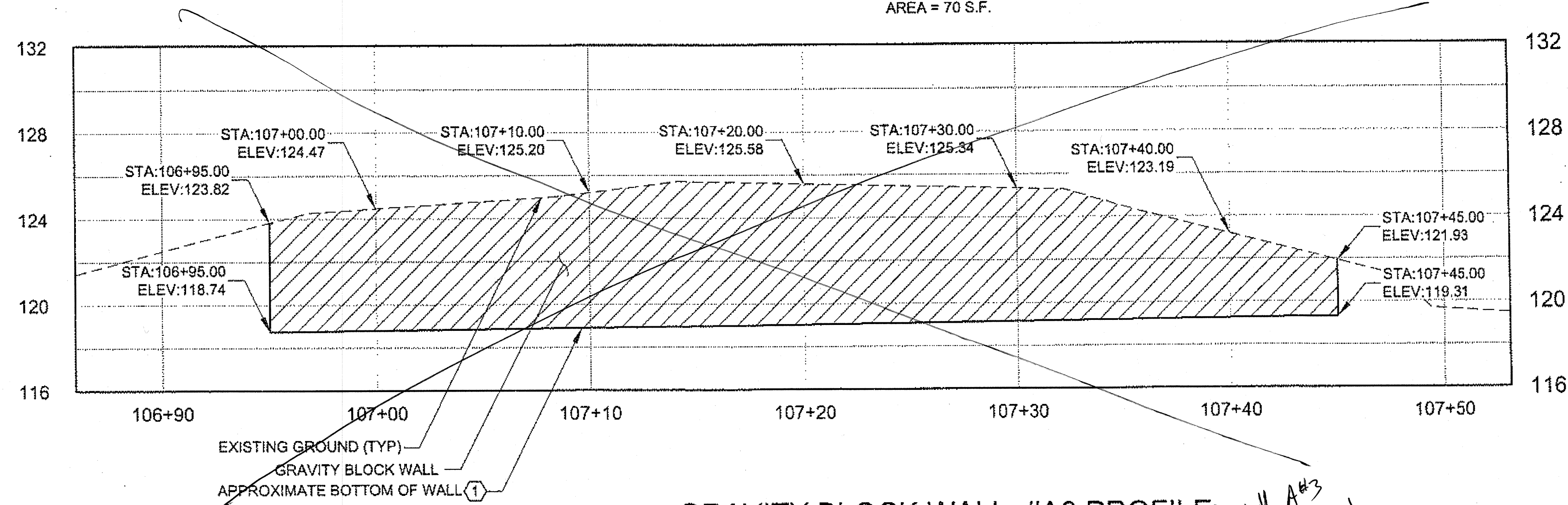
GRAVITY BLOCK WALL #A1 PROFILE

AREA = 570 S.F.



GRAVITY BLOCK WALL #A2 PROFILE

AREA = 70 S.F.



GRAVITY BLOCK WALL #A3 PROFILE

AREA = 285 S.F.

*Wall A#3
not installed*

SHEET NOTES:

- ① MODIFY BOTTOM WALL ELEVATION AS REQUIRED TO ACCOMMODATE THE GRAVITY WALL BLOCKS AND MAINTAIN THE MINIMUM EMBEDMENT PER THE TYPICAL DETAILS. ELEVATIONS SHOWN INCLUDE 1' EMBEDMENT
2. PROVIDE A UNIFORM FACE FINISH FOR ALL GRAVITY WALL BLOCKS.
3. EXISTING GROUND ELEVATIONS REPRESENT THE MINIMUM TOP OF WALL ELEVATION.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER



DESIGNED BY: N. GEARY
DRAWN BY: S. MANNING

PATH: Q:\JNU\69340\PLANSET\69340_M1-M3_WALLS.DWG
TAB: M1 Tuesday, October 04, 2011 8:16:24 AM

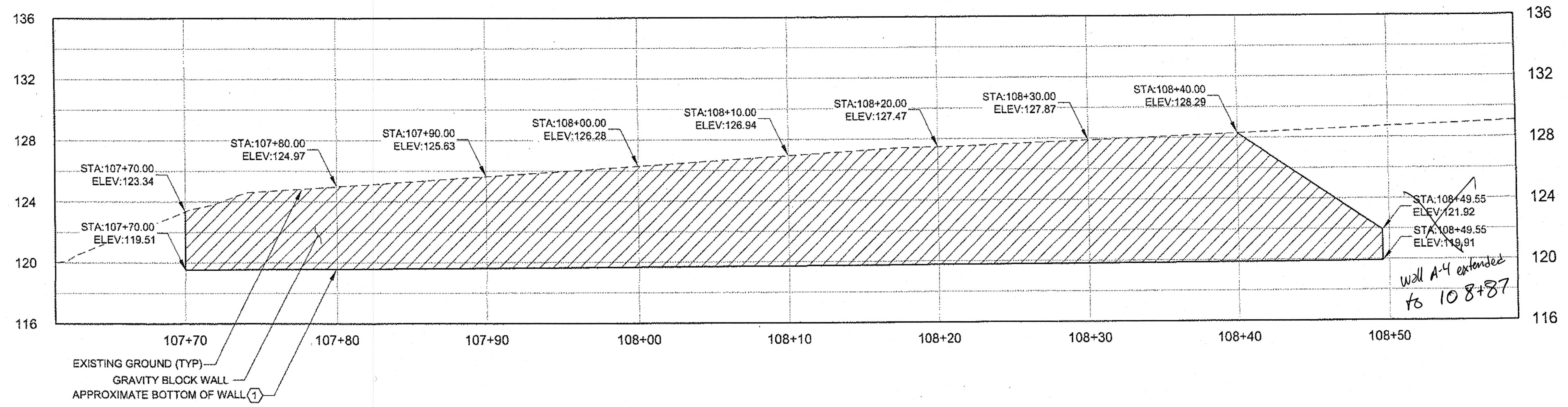
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU-THANE ROAD
PAVEMENT REHABILITATION
PROJECT #69340

**ADDITIVE ALTERNATIVE A
RETAINING WALL PROFILES**

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			69340	2011	M1	63

*JSK
4/9/14
60 of 66*

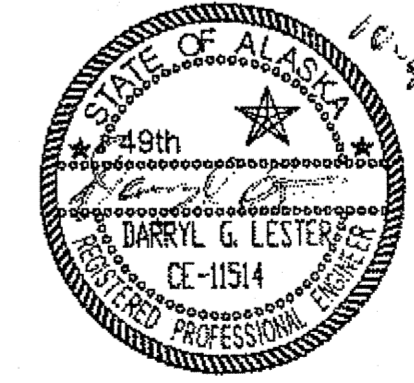


GRAVITY BLOCK WALL #A4 PROFILE
AREA = 525 S.F.

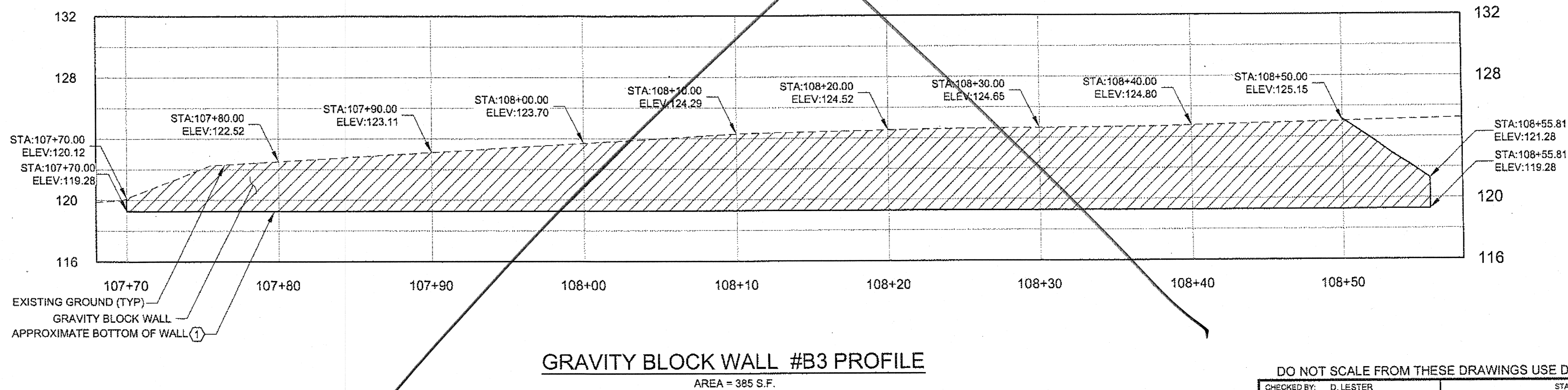
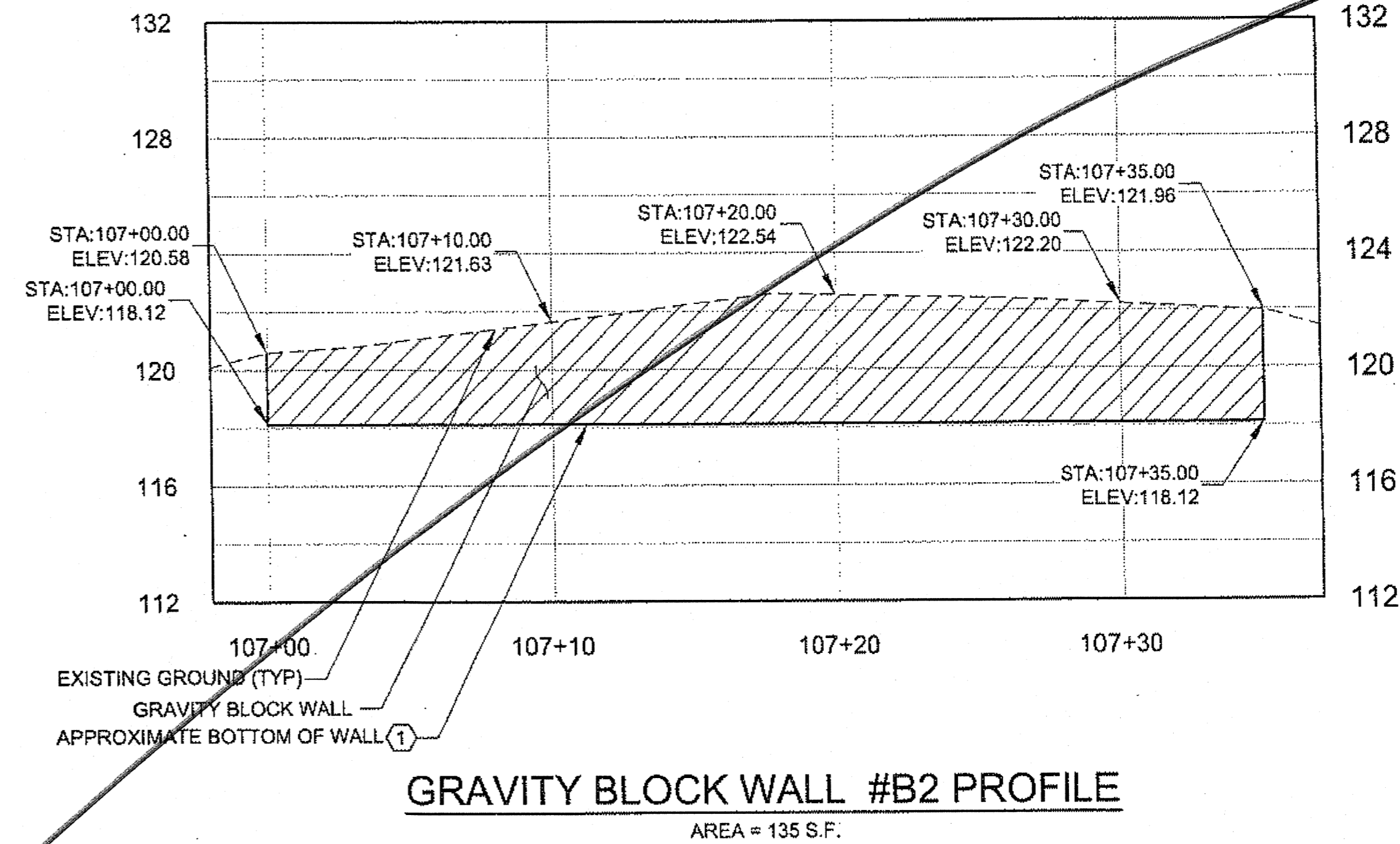
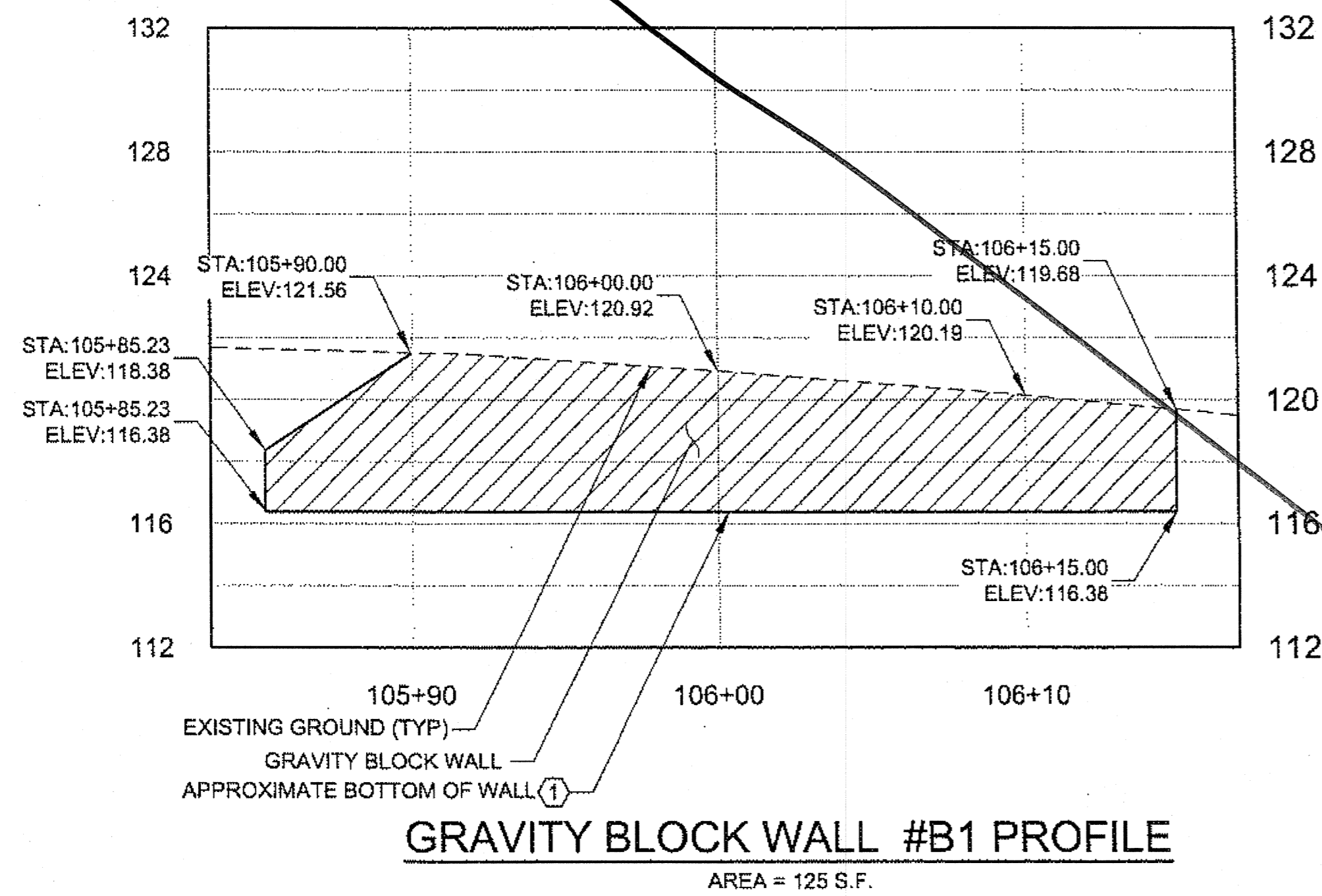
SHEET NOTES:

- ① MODIFY BOTTOM WALL ELEVATION AS REQUIRED TO ACCOMMODATE THE GRAVITY WALL BLOCKS AND MAINTAIN THE MINIMUM EMBEDMENT PER THE TYPICAL DETAILS. ELEVATIONS SHOWN INCLUDE 1' EMBEDMENT
2. PROVIDE A UNIFORM FACE FINISH FOR ALL GRAVITY WALL BLOCKS.
3. EXISTING GROUND ELEVATIONS REPRESENT THE MINIMUM TOP OF WALL ELEVATION.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: N. GEARY DRAWN BY: S. MANNING		JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340	
PATH: Q:\JNU\69340\PLANS\69340_M1-M3_WALLS.DWG TAB: M2 Tuesday, October 04, 2011 8:16:26 AM		ADDITIVE ALTERNATIVE A RETAINING WALL PROFILES	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69340	YEAR 2011
		SHEET NO. M2	TOTAL SHEETS 63

JSK
4/9/14
61 of 66



SHEET NOTES:

- ① MODIFY BOTTOM WALL ELEVATION AS REQUIRED TO ACCOMMODATE THE GRAVITY WALL BLOCKS AND MAINTAIN THE MINIMUM EMBEDMENT PER THE TYPICAL DETAILS. ELEVATIONS SHOWN INCLUDE 1' EMBEDMENT
2. PROVIDE A UNIFORM FACE FINISH FOR ALL GRAVITY WALL BLOCKS.
3. EXISTING GROUND ELEVATIONS REPRESENT THE MINIMUM TOP OF WALL ELEVATION.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

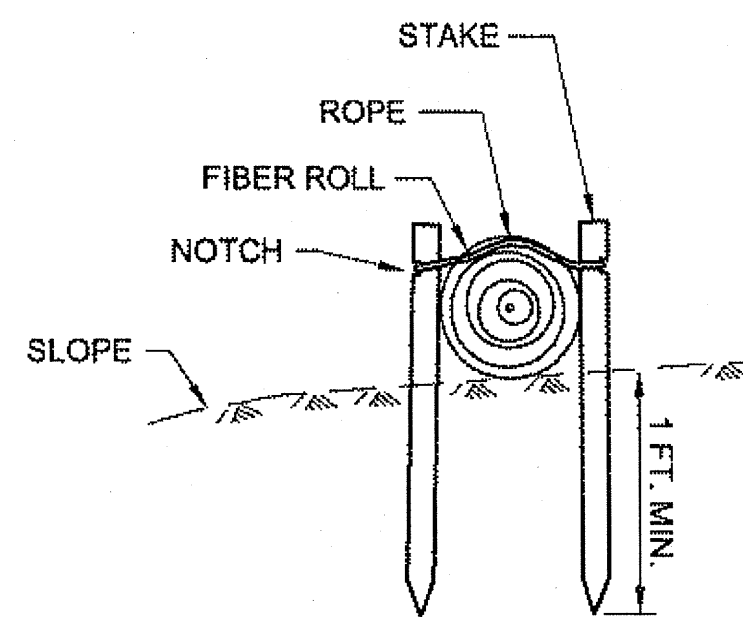
JNU-THANE ROAD
PAVEMENT REHABILITATION
PROJECT #69340

**ADDITIVE ALTERNATIVE B
RETAINING WALL PROFILES**

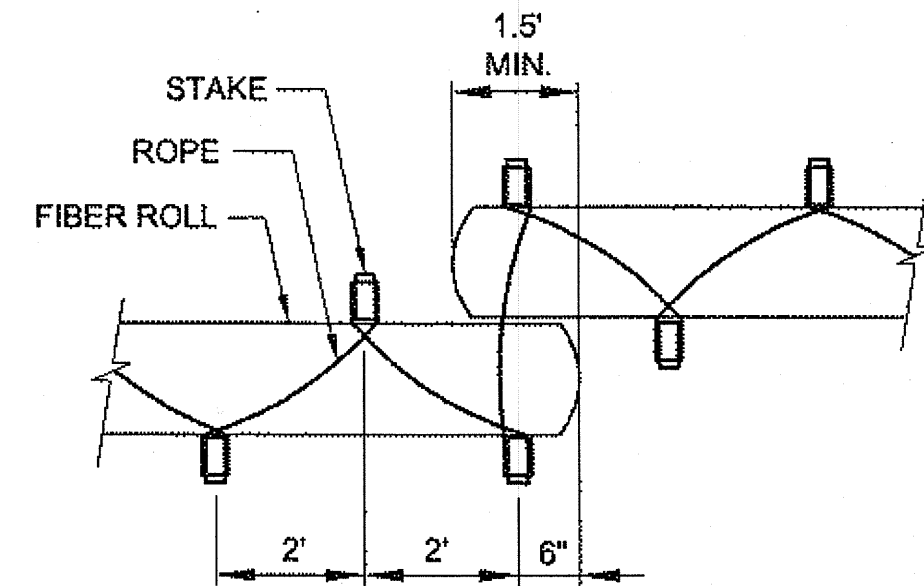
DESIGNED BY: N. GEARY
DRAWN BY: S. MANNING
PATH: Q:\JNU\69340\PLANSET\69340_M3-WALLS.DWG
T&B: M3 Tuesday, October 04, 2011 8:16:31 AM GEARY, NATE (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	69340	2011	M3	63

JSK
4/9/14
62 of 66

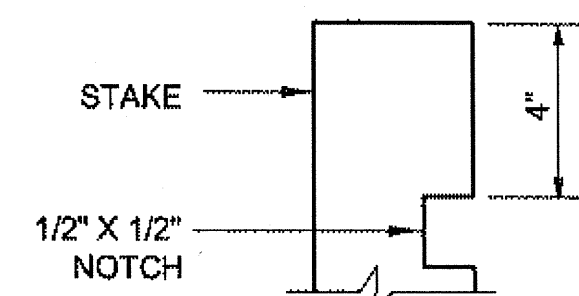


SECTION

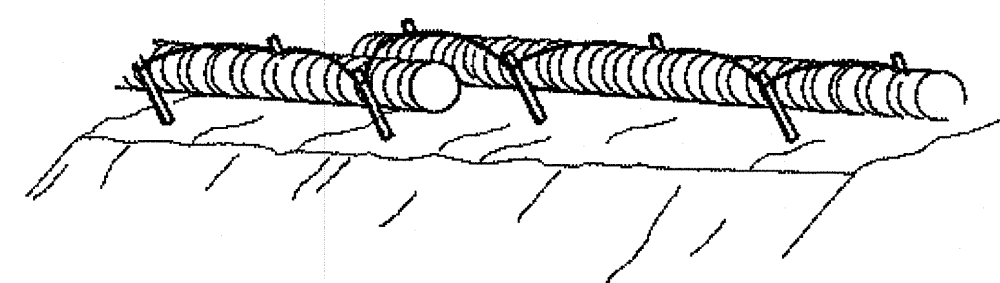


PLAN

FIBER ROLL (TYPE 2)



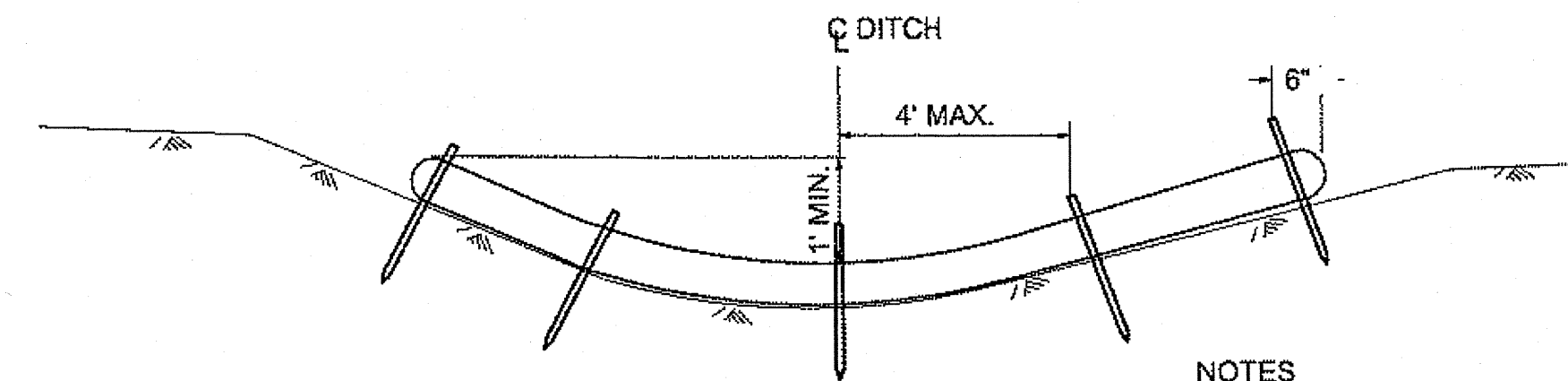
STAKE



PERSPECTIVE

FIBER ROLL (TYPE 2)

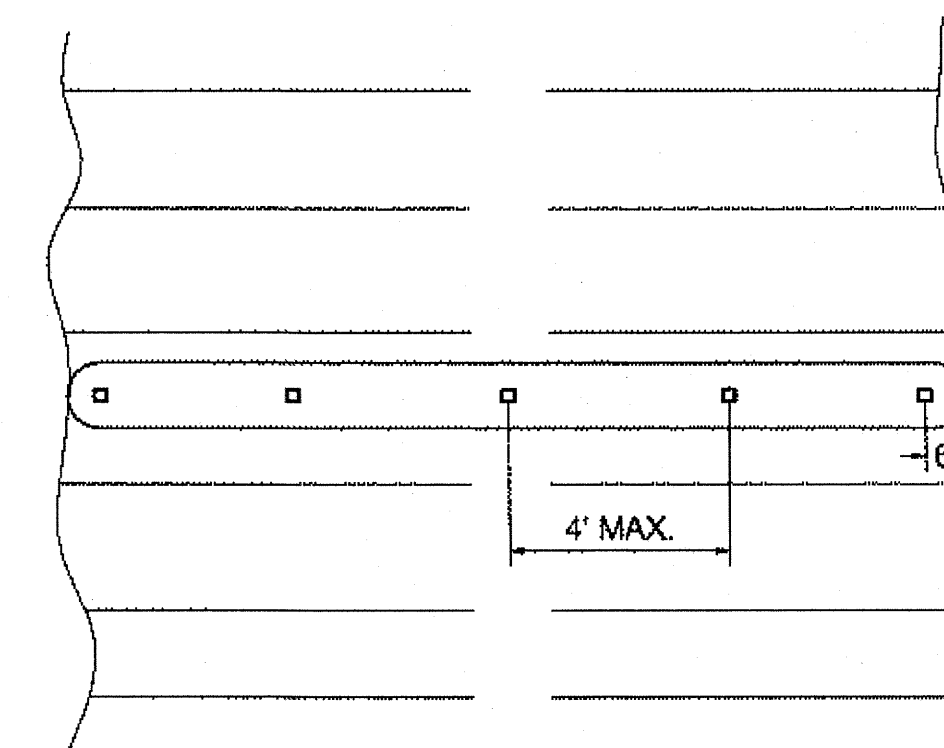
TYPICAL FIBER ROLL DETAIL



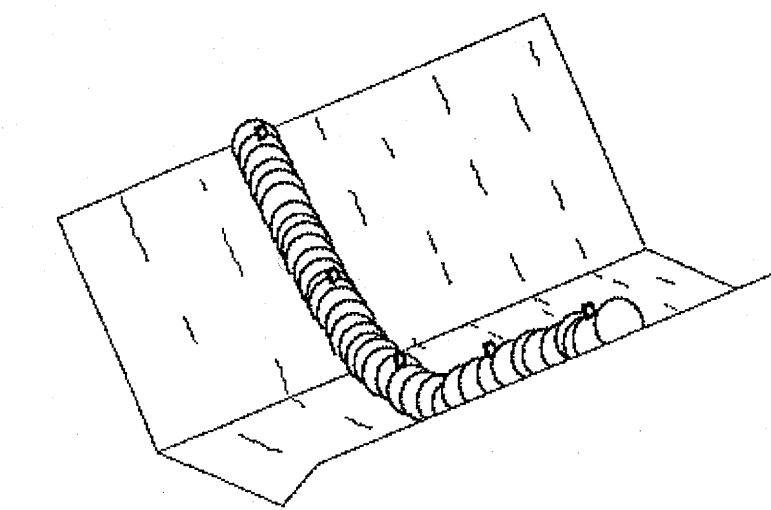
SECTION

NOTES

1. FURROW AND STAKE EMBEDMENT ARE THE SAME AS FIBER ROLL (TYPE 1).
2. START STAKE INSTALLATION WITH STAKE IN THE CENTER AND STAKES 6" FROM EACH END. EQUALLY SPACE REMAINING STAKES A MAXIMUM OF 4' O.C.

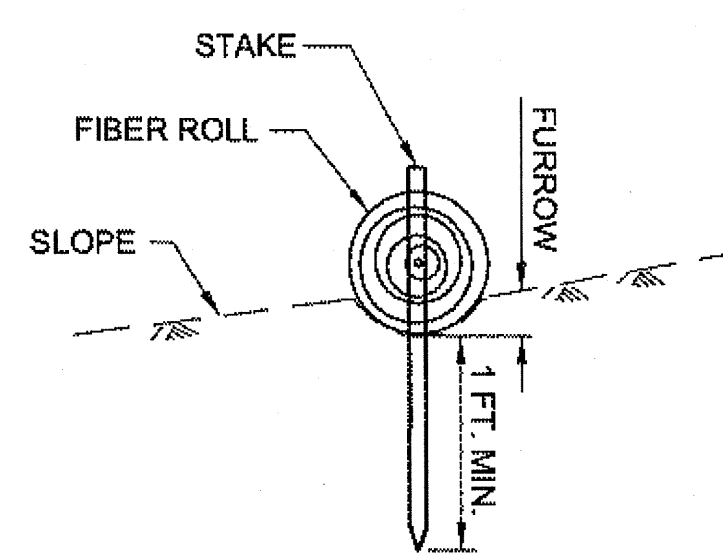


PLAN

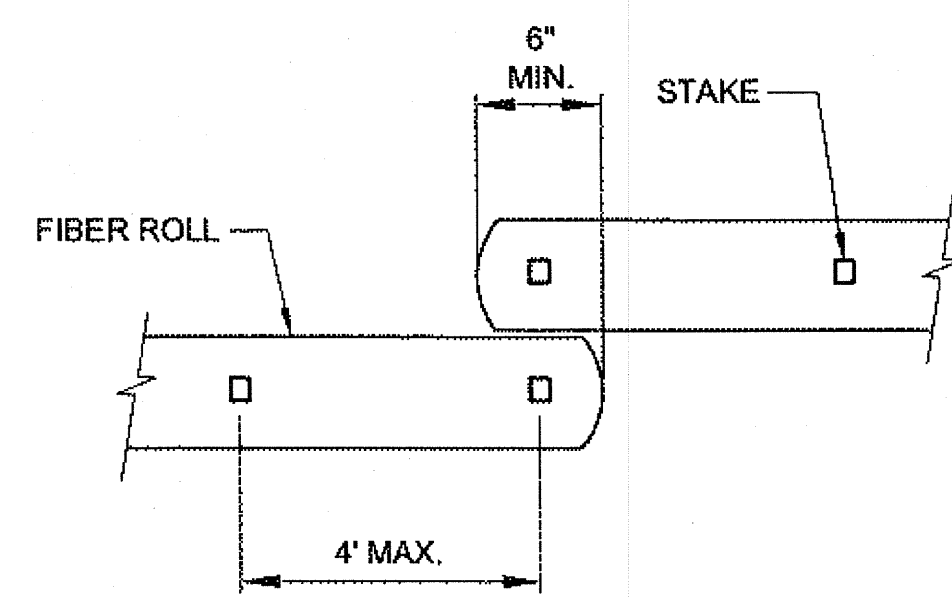


PERSPECTIVE

FIBER ROLL DITCH CHECK

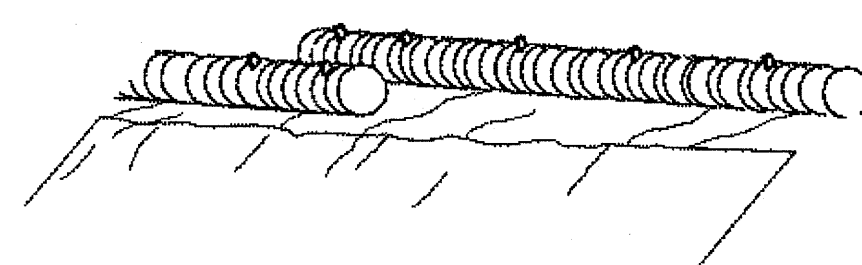


SECTION



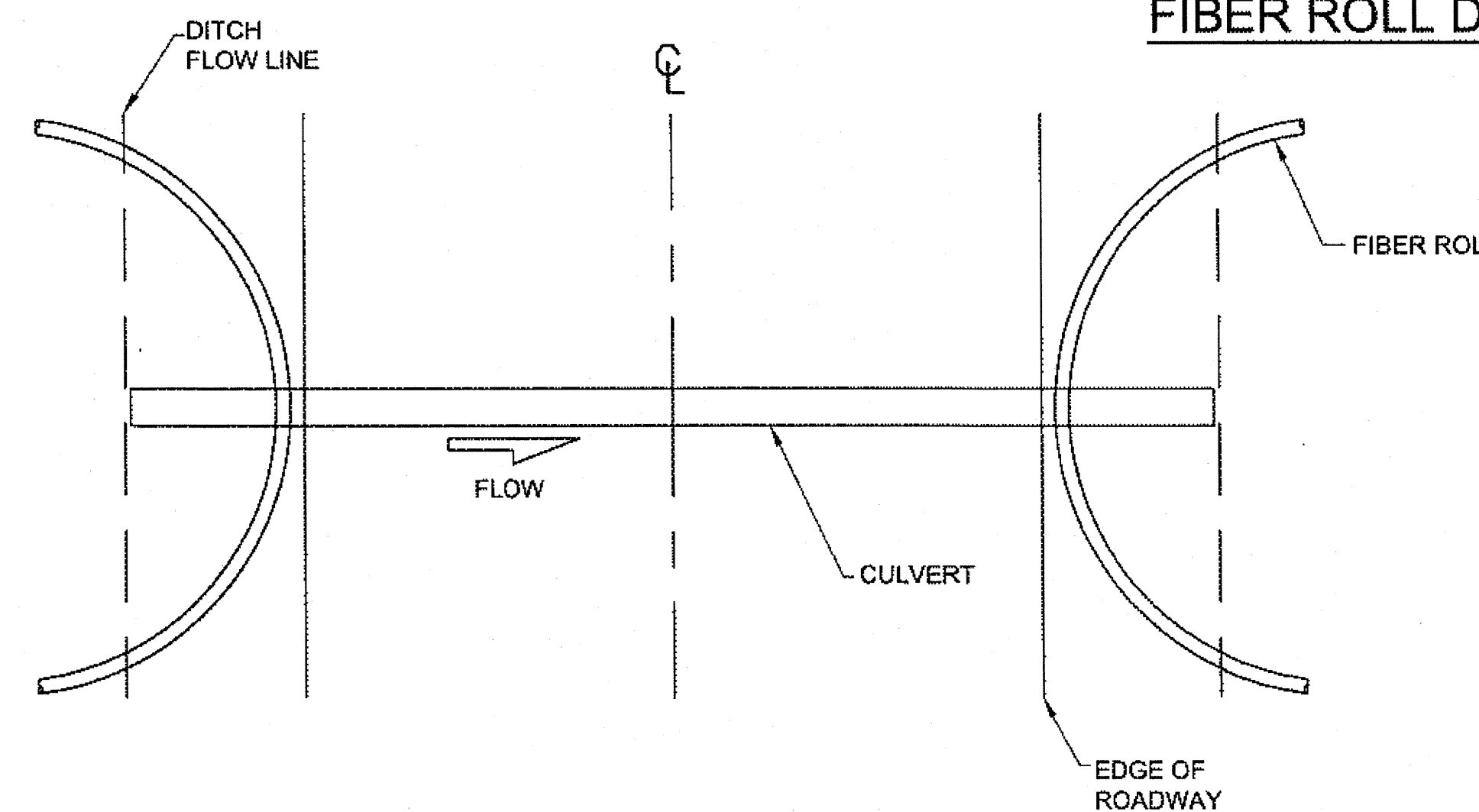
PLAN

FIBER ROLL (TYPE 1)



PERSPECTIVE

FIBER ROLL (TYPE 1)



FIBER ROLL PLACEMENT AT CULVERTS

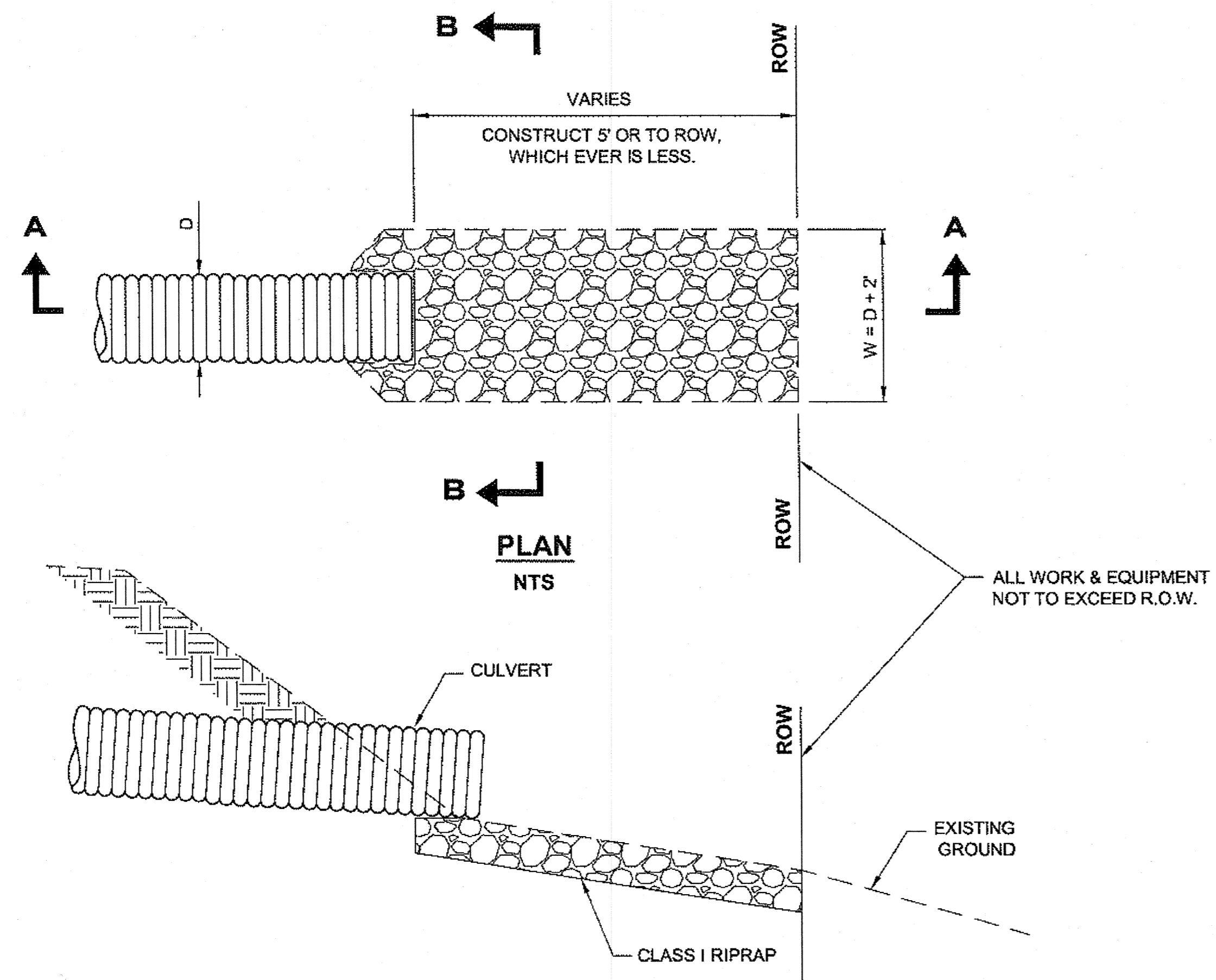
GENERAL NOTES:

1. REFER TO APPENDIX B OF THE SPECIAL PROVISIONS FOR THE ENVIRONMENTAL COMMITMENTS.
2. EROSION CONTROL MEASURES WILL BE EVALUATED BY THE ENGINEER BASED ON EFFECTIVENESS. THOSE FOUND INEFFECTIVE MUST BE REPLACED OR REPAIRED WITHIN 24 HOURS FOLLOWING NOTIFICATION.
3. THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION 641 OF THE SPECS.
4. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING EARTH DISTURBING ACTIVITIES OR AS SPECIFIED ELSEWHERE.
5. MAINTAIN DEVICES. MONITOR DAILY. REMOVE SEDIMENT FROM SEDIMENT TRAPS WHEN 4" OF SEDIMENT HAS ACCUMULATED.
6. THE LOCATION AND LENGTH OF FIBER ROLLS IS DEPENDENT ON THE CONDITIONS OF THE SITE.
7. ANCHOR AS NECESSARY TO FIRMLY SECURE FIBER ROLLS AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.
8. LAP ADJACENT FIBER ROLLS TO PREVENT SEDIMENT BYPASS.

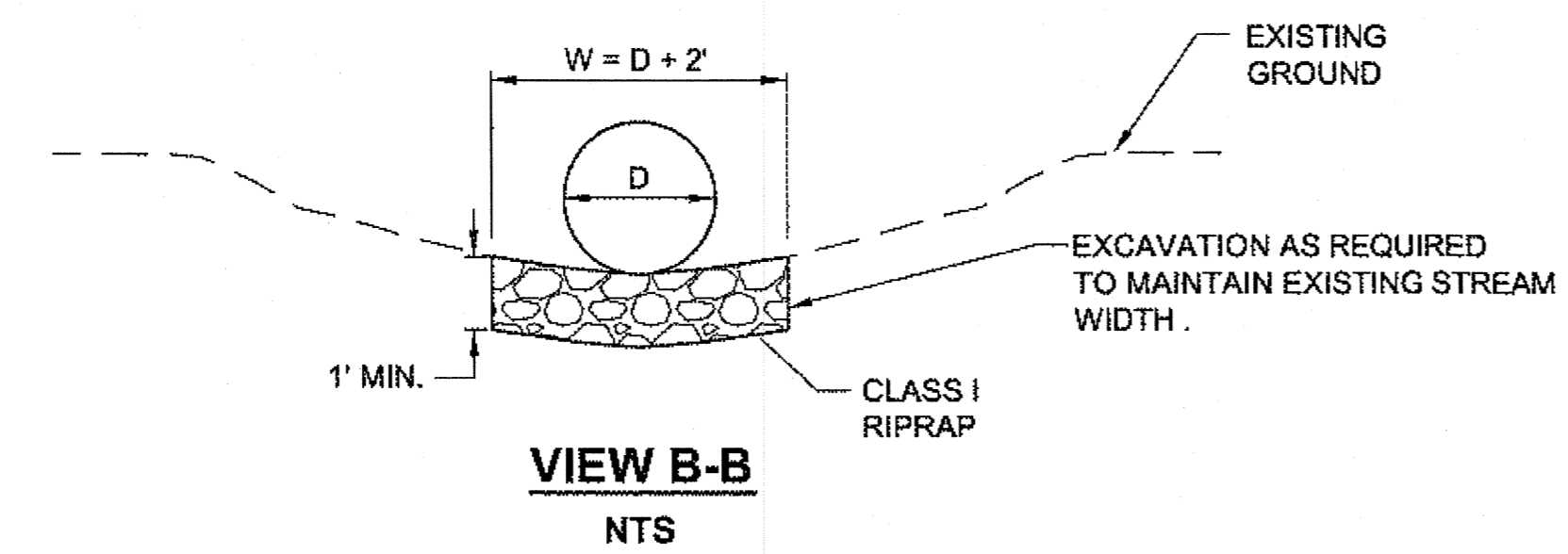
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION												
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340												
PATH: Q:\JNU\69340\PLANSET\69340_P1-P2_ESCP DET.DWG TAB: P1 Thursday, August 18, 2014 4:18:19 PM GRANTHAM, RICK L (DOT)		EROSION & SEDIMENT CONTROL DETAILS												
<table border="1"> <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> </tbody> </table>		REVISIONS			NO.	DATE	DESCRIPTION				PROJECT DESIGNATION 69340	YEAR 2011	SHEET NO. P1	TOTAL SHEETS 63
REVISIONS														
NO.	DATE	DESCRIPTION												

JSK
4/9/14
63 of 66

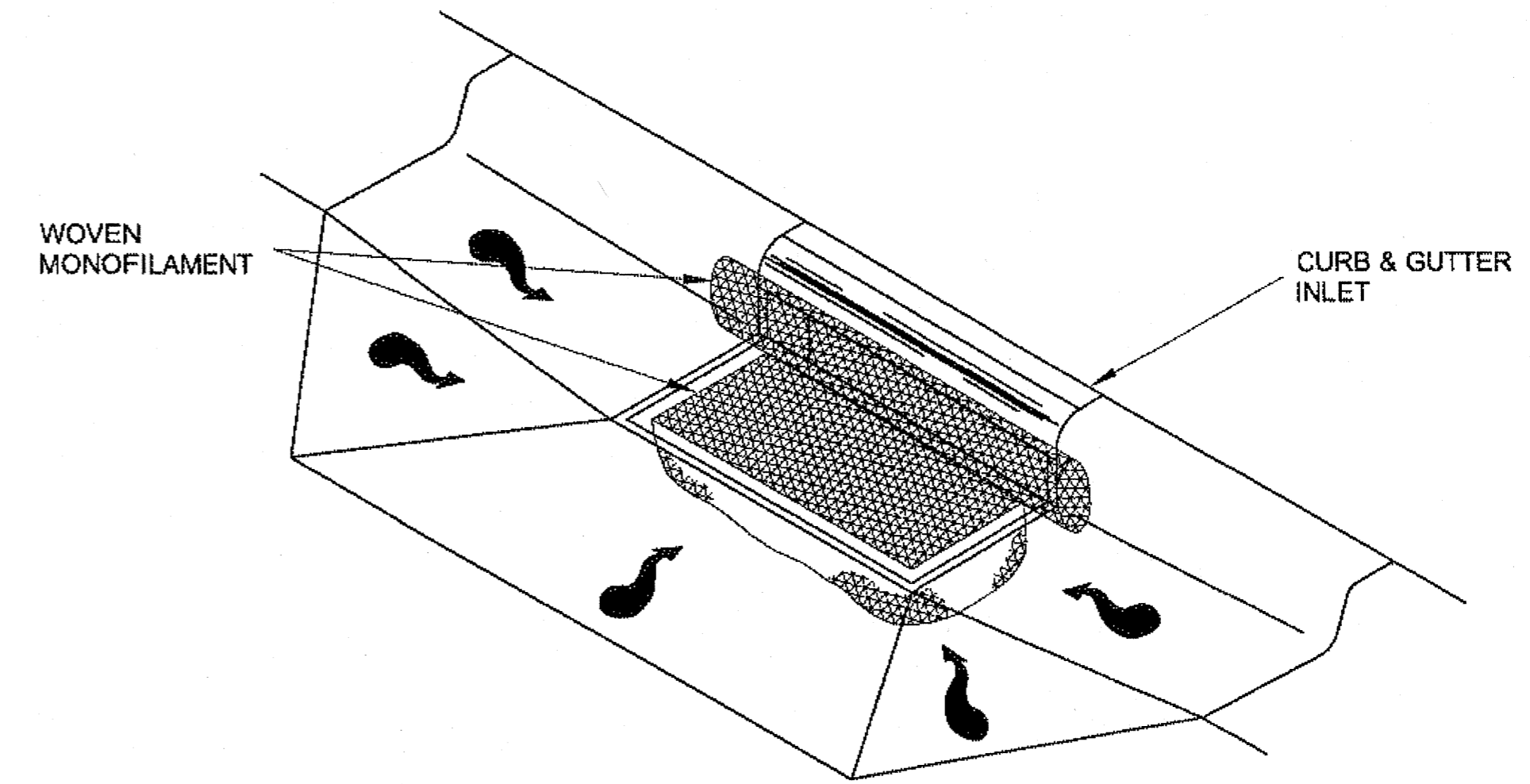


SECTION A-A
NTS



VIEW B-B
NTS

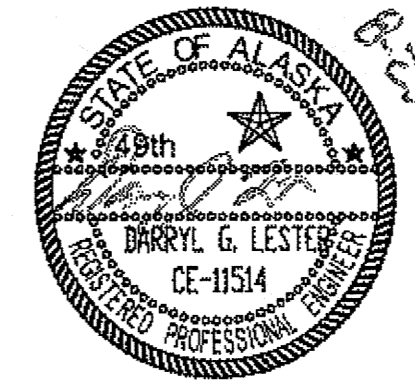
RIPRAP LINED OUTLET PROTECTION DETAIL



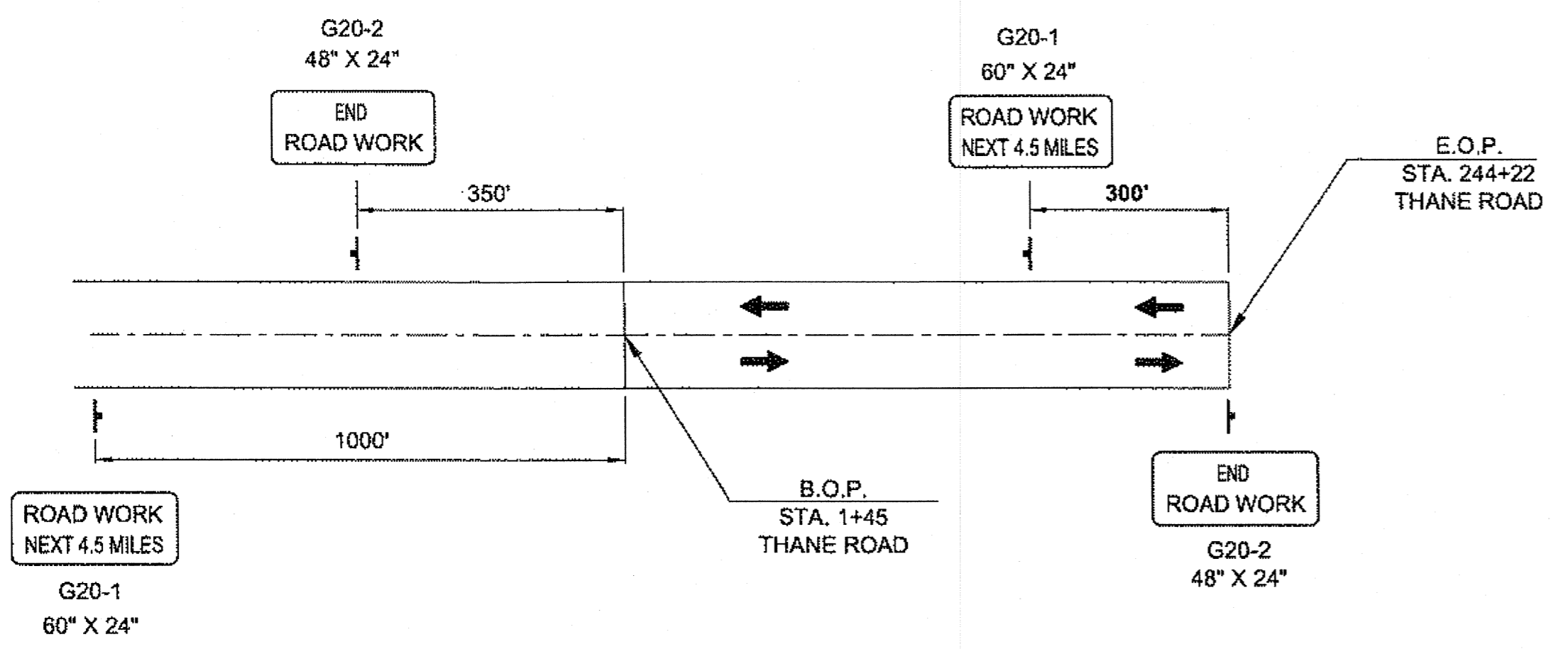
CURB INLET PROTECTION

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

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. LESTER 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION				
DESIGNED BY: D. MULLINER, D. LESTER DRAWN BY: R. GRANTHAM		JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340				
PATH: Q:\JNU\69340\PLANSET\69340_P1-P2_ESCP DET.DWG TAB: P2 Thursday, August 18, 2011 4:18:15 PM GRANTHAM, RICK L (DOT)		EROSION & SEDIMENT CONTROL DETAILS				
NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69340	2011	P2	63

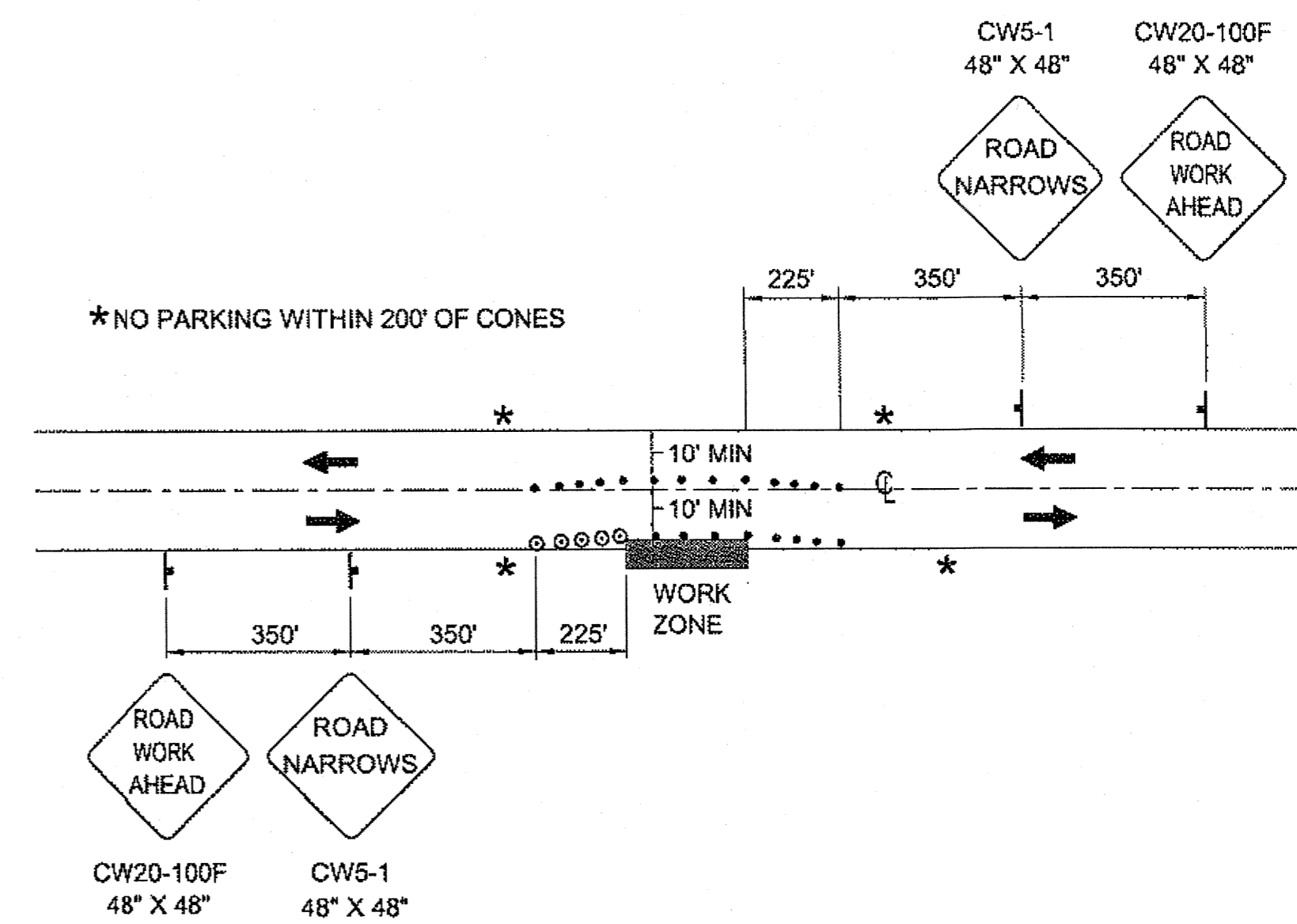
JSK
4/9/12
64 of 66



PERMANENT CONSTRUCTION SIGNING

(SEE STD. DWG C-04.12 FOR DOUBLE FINE SIGNS)

TCP TABLE SETUP			
SPEED (MILES PER HOUR)	BUFFER LENGTH (FT.)	CONE/DRUM SPACING (FT.)	TAPER LENGTH (L)
20	115	20	7:1
25	155	25	10:1
30	200	30	15:1
35	250	35	20:1
40	305	40	30:1
45	360	45	45:1
50	425	50	50:1
55	495	55	55:1
60	570	60	60:1
65	645	65	65:1



ROADWAY ENCROACHMENT FOR 45 MPH

FORMULAS FOR L (TAPER LENGTH)

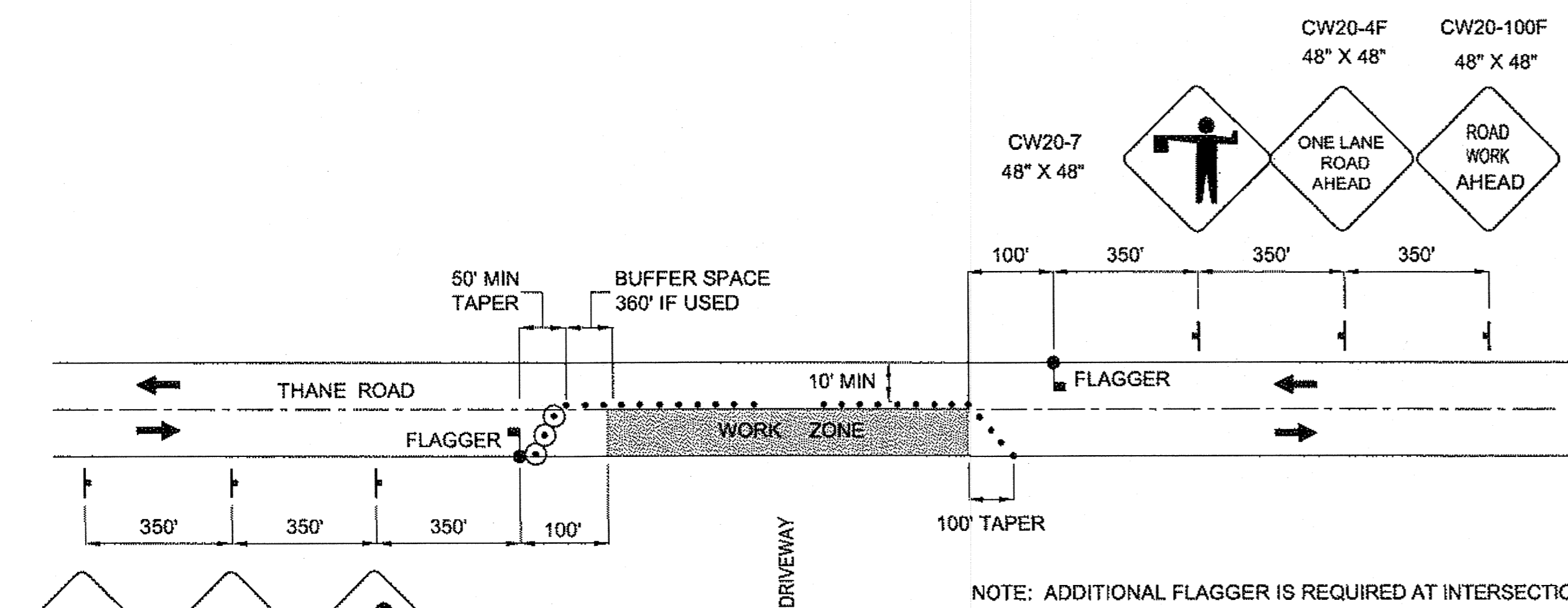
40 MPH OR LESS $L = \frac{W \times S^2}{60}$

45 MPH OF GREATER $L = W \times S$

WHERE W=WIDTH OF OFFSET
S= POSTED SPEED LIMIT

TRAFFIC CONTROL NOTES:

- IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATIONS NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
- A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES AT THROUGH WORK AREAS.
- TWO LANES SHALL BE MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS IN NON-WORK AREAS AND DURING NON-WORKING HOURS.
- DRIVING LANES SHALL BE A MINIMUM WIDTH OF 10'.
- TRAFFIC DELAYS SHALL NOT EXCEED 5 MINUTES.
- THE UNEVEN LANES (CW8-11) SIGN SHOULD BE USED DURING OPERATIONS THAT CREATE A DIFFERENCE IN ELEVATION BETWEEN ADJACENT LANES OF 1.5 INCHES OR GREATER.
- FLAGGER STATIONS NEED TO BE ILLUMINATED AT NIGHT.
- THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
- DRUM OR CONE SPACING SHALL BE MAXIMUM 45' ALONG THE TAPER SECTION AND 90' ALONG TANGENT, USING A MINIMUM OF 11 DEVICES.
- DOUBLE FINE IN WORK ZONE SIGNS SHALL BE IN ACCORDANCE WITH SECTION 6F-14a OF THE ALASKA TRAFFIC MANUAL.



TWO LANE ROADWAY-SINGLE LANE CLOSURE

LEGEND

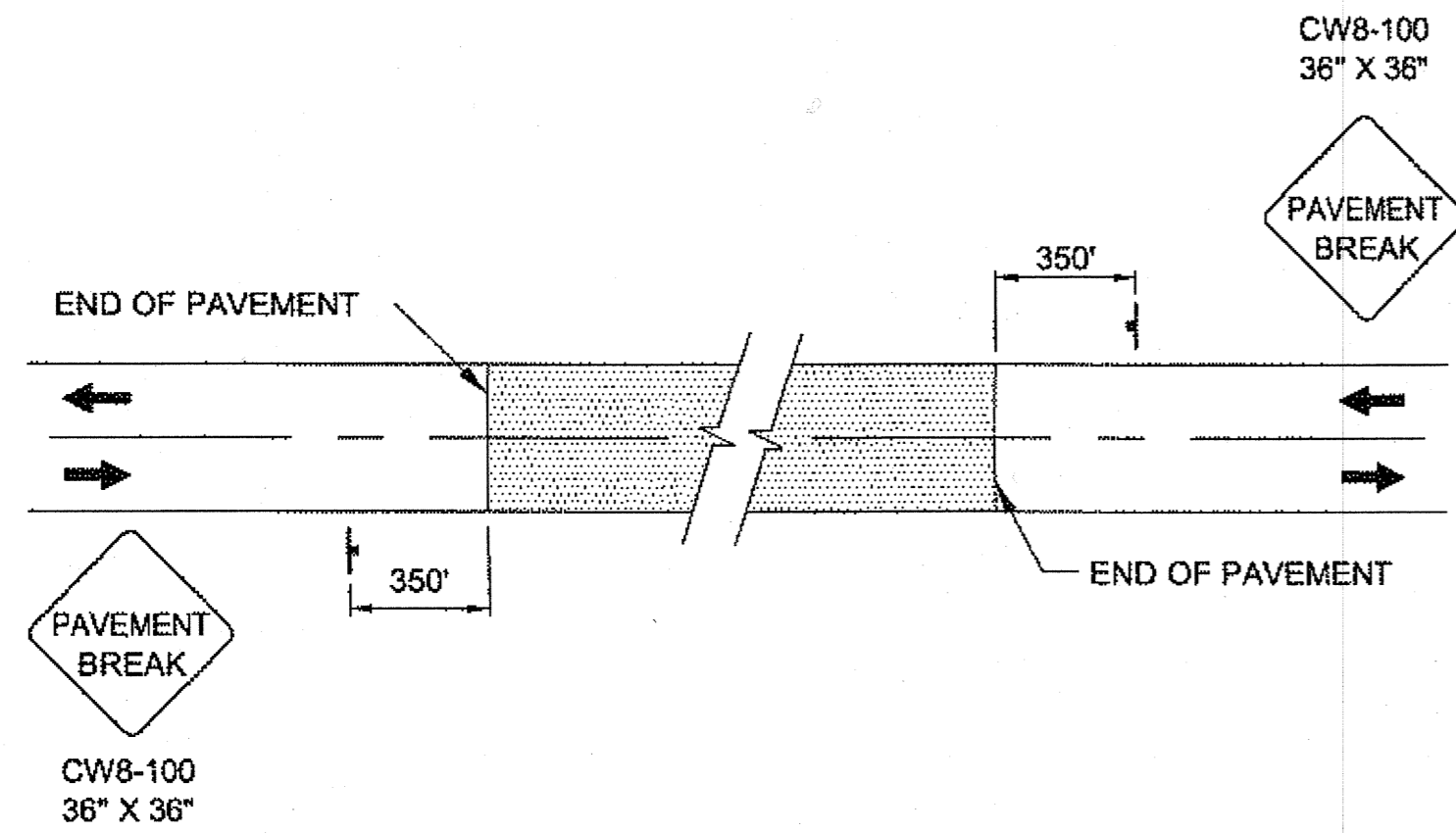
- SIGN
- CONE
- DRUM
- FLAGGING STATION

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

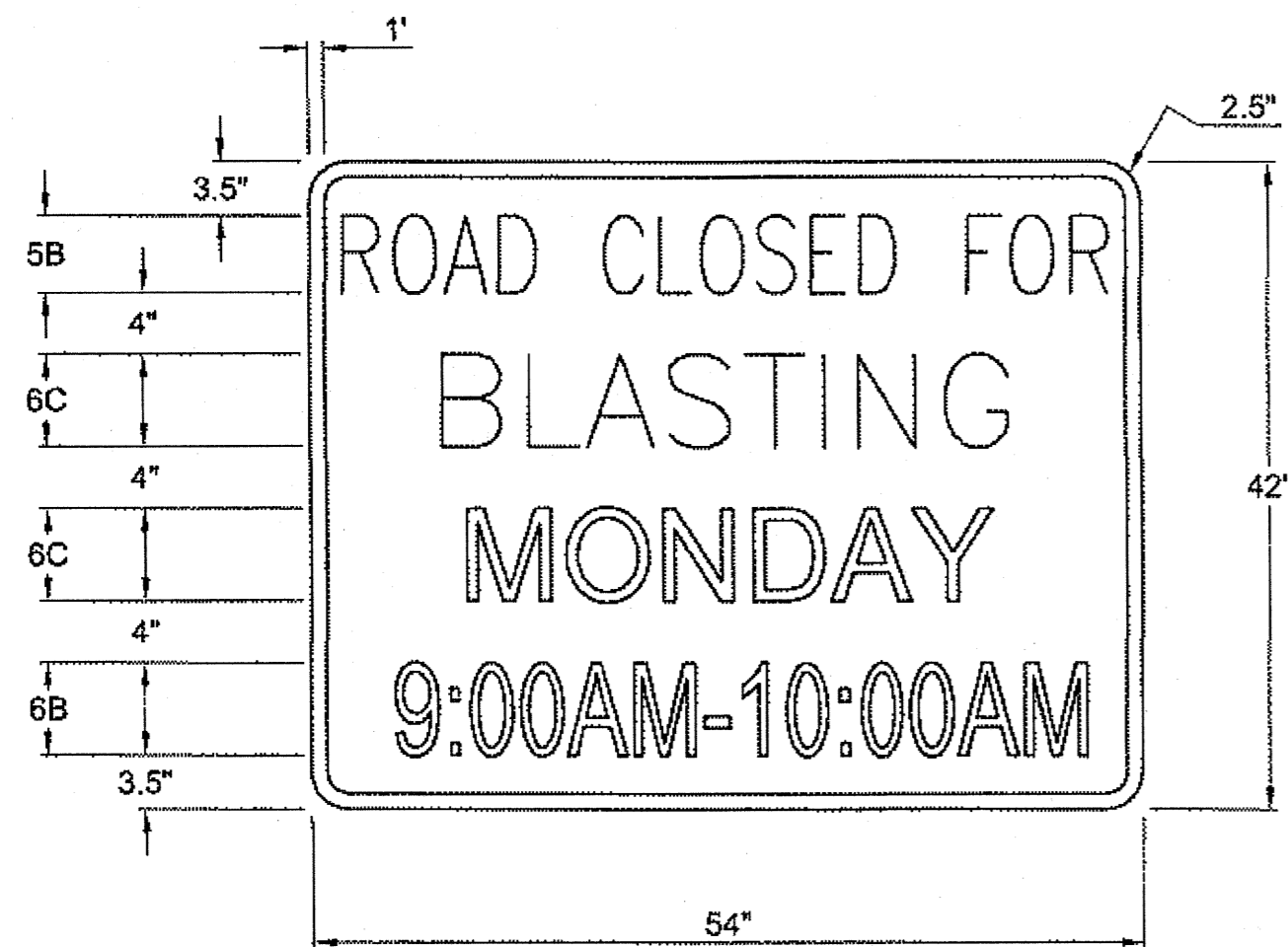
CHECKED BY: D. EPSTEIN 8-19-11	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340																	
DESIGNED BY: D. MULLINER DRAWN BY: R. GRANTHAM PATH: Q:\JNU\69340\PLANSET\69340_S1_TCP.DWG TAB: S1 Thursday, August 18, 2011 4:19:12 PM GRANTHAM, RICK L (DOT)	TRAFFIC CONTROL PLAN																	
<table border="1"> <thead> <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> </tbody> </table>	NO.	DATE	DESCRIPTION							<table border="1"> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> <tr> <td>69340</td> <td>2011</td> <td>S1</td> <td>63</td> </tr> </table>	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	69340	2011	S1	63
NO.	DATE	DESCRIPTION																
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS															
69340	2011	S1	63															

J5K
4/9/14
65 of 66

DASEP smart

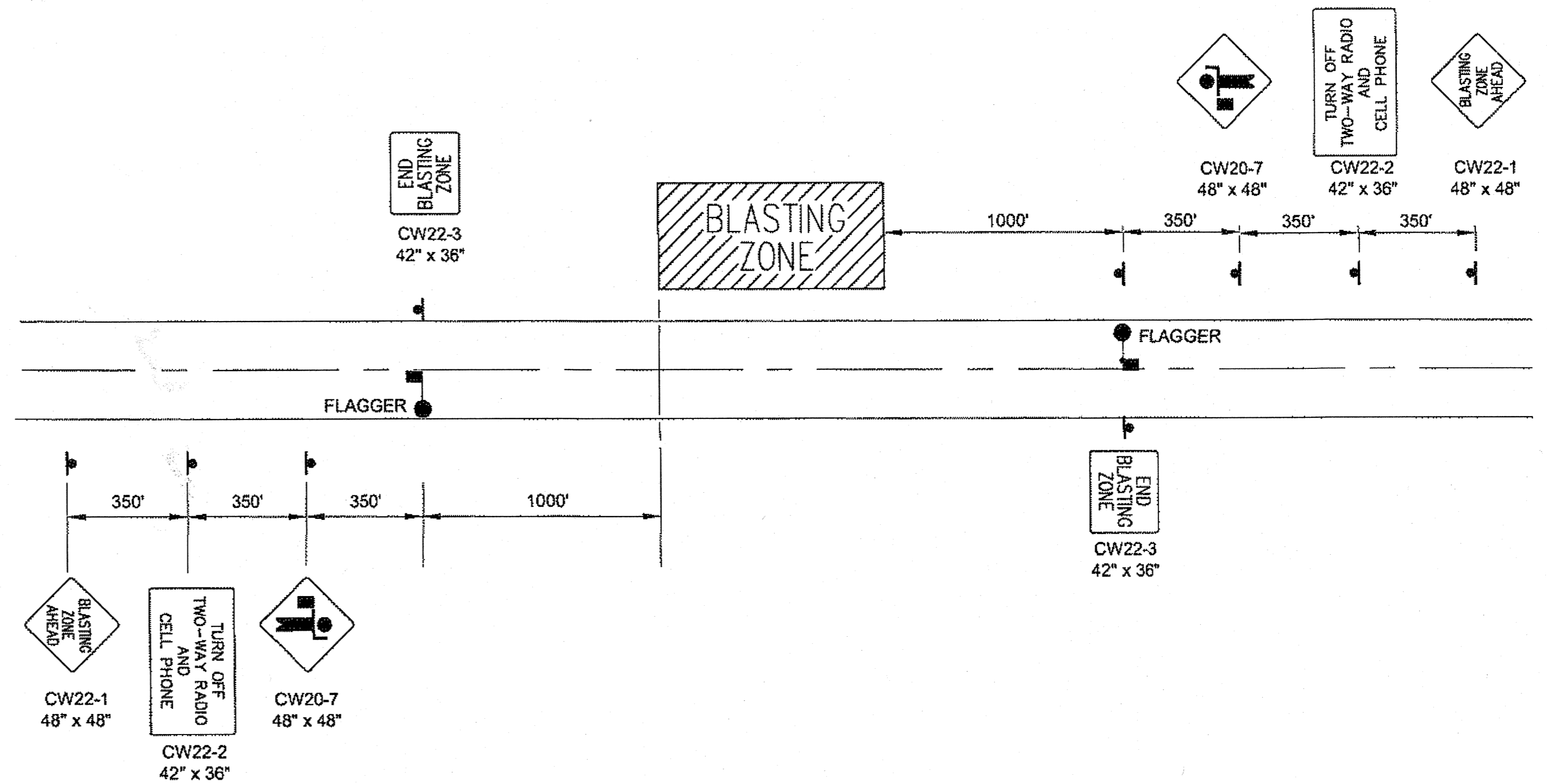


SIGNING FOR UNPAVED AREA



SIGN FOR 48 HOUR ADVANCED NOTICE OF BLASTING

SIGNS SHALL BE ORANGE BACKGROUND WITH BLACK BORDER AND TEXT. SIGNS SHALL INCLUDE THE DAY OF CLOSURE, BEGINNING TIME OF CLOSURE, AND EXPECTED TIME THE ROAD WILL REOPEN. SIGNS SHALL BE IN PLACE A MINIMUM OF 48 HOURS PRIOR TO ROAD CLOSURE. REMOVABLE PANELS MAY BE USED TO CHANGE THE DAY AND TIME.



TYPICAL BLASTING ZONE PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU-THANE ROAD PAVEMENT REHABILITATION PROJECT #69340							
DESIGNED BY: D. MULLINER DRAWN BY: R. GRANTHAM		TRAFFIC CONTROL PLAN							
PATH: Q:\JNU\69340\PLANS\69340_S1_TCP.DWG TAB: S2 Thursday, August 18, 2011 4:18:54 PM GRANTHAM, RICK L. (DOT)		PROJECT DESIGNATION	YEAR						
<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		NO.	DATE	DESCRIPTION				69340	2011
NO.	DATE	DESCRIPTION							
		SHEET NO.	TOTAL SHEETS						
		S2	63						

JK
4/9/14
66 of 66