

State of Alaska

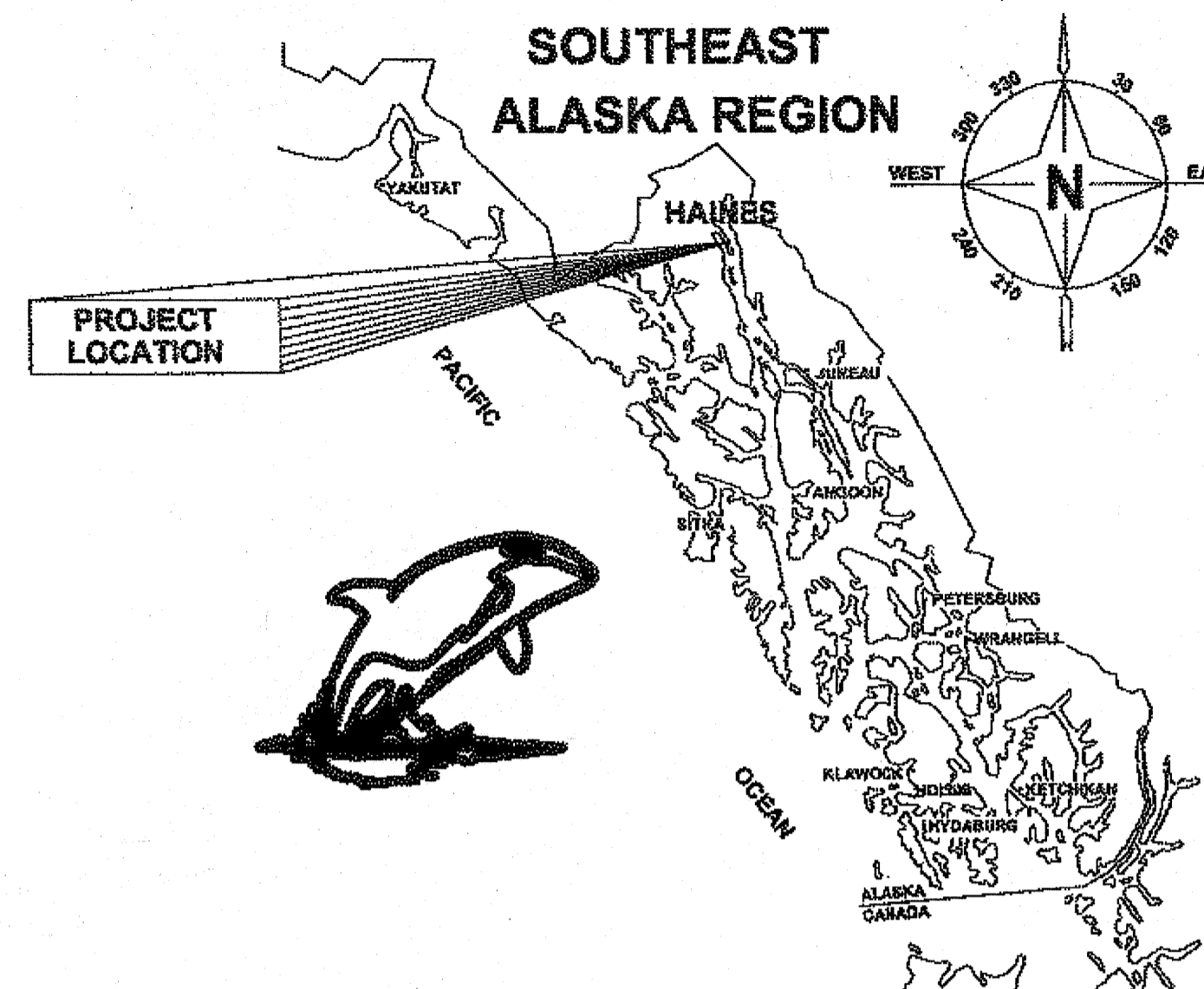
Department of Transportation
and Public Facilities
Southeast Region

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS

PROJECT No. 69316

HNS- OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION

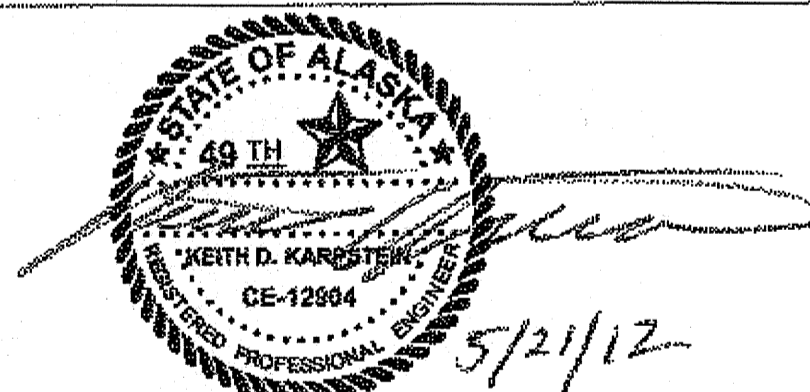
PROJECT No. 69178



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PATH: Q:\HNS\69316\END\DOUG'S PLANSET\AA1_TITLE SHEET.DWG TAB:A1
Tuesday, September 27, 2011 8:57:53 AM
PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION



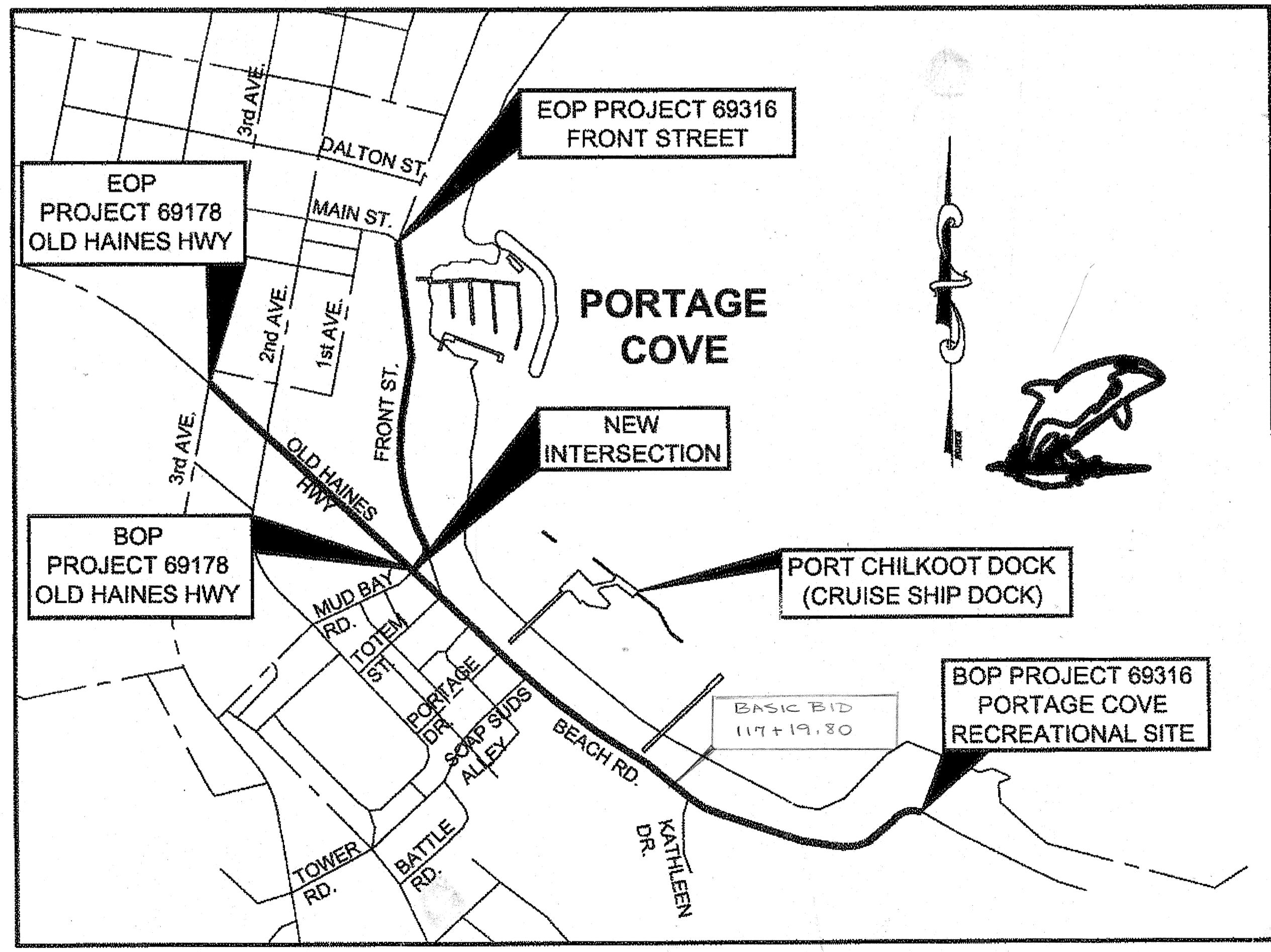
APPROVED: *Chuck Correa* 5/29/12
REGIONAL PRE-CONSTRUCTION ENGINEER DATE
CHUCK CORREA, P.E.

APPROVED: *Albert H. Clough* 5/29/12
DIRECTOR, SOUTHEAST REGION DATE
ALBERT H. CLOUGH, CPG

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD
CONDITION: *Walter A. Hume* 3/19/14
CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET	TOTAL
ALASKA	69178	2012	AA1	110
ALASKA	69316	2012		

AS BUILT DRAWINGS	
CONTRACTOR:	SOUTHEAST ROADBUILDERS, INC.
PROJECT ENGINEER:	JEREMY L. STEPHENS
NOTICE TO PROCEED:	JULY 18, 2012
START DATE:	SEPTEMBER 26, 2012
END DATE:	OCTOBER 11, 2013
SUBCONTRACTORS:	STICKLER CONSTRUCTION COMPANY ALASKA STRIPING AND PAINTING



VICINITY MAP

CS
1-13-14

H&V BASIS
Haines Beach Road/Front Street
Project # 69316

HORIZONTAL CONTROL

The basis of horizontal control is "HNS-D", a Primary Airport Control Station, 3.5" Brass Cap located in bedrock adjacent to Haines Highway near the northwesterly end of the airport access road. NGS published coordinates NAD83 (1992)
Latitude : N 59°14'53.13661"
Longitude : W 135°32'03.05281"
Ellipsoid Ht: 16.353m

The basis of bearing for this project is the geodetic bearing of S 50°56'51" E from HNS-D to HNS-A. This bearing was derived from GPS and conventional observations plus the applied convergence angle of -1°34'03.84" described below

The Haines 4-24 Grid is based about NGS monument HNS-A, a 3.5" Brass Cap located in a 6'x3' concrete pad near the hold bar on taxiway B. The Grid system relates to AKSPC zone 1 NAD83(1992) through the following parameters:
Zone = NAD83 AKSPC ZONE 1
Grid Scale = 0.99995319
Convergence = -1°34'03.84"
Translation about HNS-A as follows:
AKSPC Northing = 2711876.83845 FT US
AKSPC Easting = 2337586.75087 FT US
Local Northing = 500000.0000 FT US
Local Easting = 700000.0000 FT US

Project Specific Horizontal Control

HNS-D :
HNS-Grid N 501107.9682 FT US, E 698634.3273 FT US
AKSPC N 2713021.7013 FT US, E 2336251.9644 FT US

HNS-A :
HNS-Grid N 500000.0000 FT US, E 700000.0000 FT US
AKSPC N 2711876.8384 FT US, E 2337586.7509 FT US

VERTICAL CONTROL

The basis of vertical control is the 3 1/4" Brass Cap USACE benchmark "HH-1" with a published elevation of 25.63' above MLLW. Source of elevation is Corps of Engineers harbor plat 2509-08. Monument is located approximately 80' back from end of north Harbor Jetty.

DESIGN CENTER LINE COORDINATES

STATION	NORTHING	EASTING	REMARK
BEACH ROAD			
100+00.00	492955.9956	718978.4581	BOP
100+19.37	492965.2809	718961.4630	PC
100+75.18	492989.6396	718911.2732	PT
100+97.63	492998.4692	718890.6232	PC
102+95.97	492961.7545	718707.6841	PT
104+10.36	492879.7222	718627.9600	PC
106+05.28	492803.2706	718453.8905	PCC
109+50.86	492851.0834	718113.2621	PT
113+63.41	492975.7260	717719.9868	PC
116+16.57	493098.2185	717500.3954	PT
117+19.80	493165.5609	717422.1637	PC
119+34.40	493289.7017	717247.4918	PT
121+90.13	493417.8831	717028.2017	PC
122+03.30	493424.8547	717015.0308	PT
123+48.34	493673.3785	716673.2012	PC
126+26.24	493673.3785	716673.2012	PT
128+58.74	493824.2004	716496.2550	PC
129+96.09	493915.1063	716393.3025	PT
132+65.26	494096.7648	716194.6764	PI
133+65.02	494164.1667	716121.1247	PI
136+25.89	494341.6857	715929.9746	PI & (BOP FRONT STREET)
137+50.89	494426.7727	715838.4039	EOP
FRONT STREET			
200+00.00	494341.6857	715929.9746	BOP
200+50.00	494378.3232	715963.9995	PC
201+12.00	494435.9481	715971.4419	PRC
205+52.83	494856.1728	715849.2108	PT
206+77.06	494980.0556	715839.9569	PC
209+28.53	495230.8559	715848.9227	PT
211+43.90	495443.9419	715880.2619	PC
213+36.15	495635.6634	715885.6103	PT
218+36.09	496133.5769	715840.5530	PC
219+12.34	496202.8588	715811.6499	PT
219+33.63	496219.1376	715797.9326	EOP

Design coordinates in this table are provided for a check during alignment definition. Please refer to F sheets for tangent and curve information.

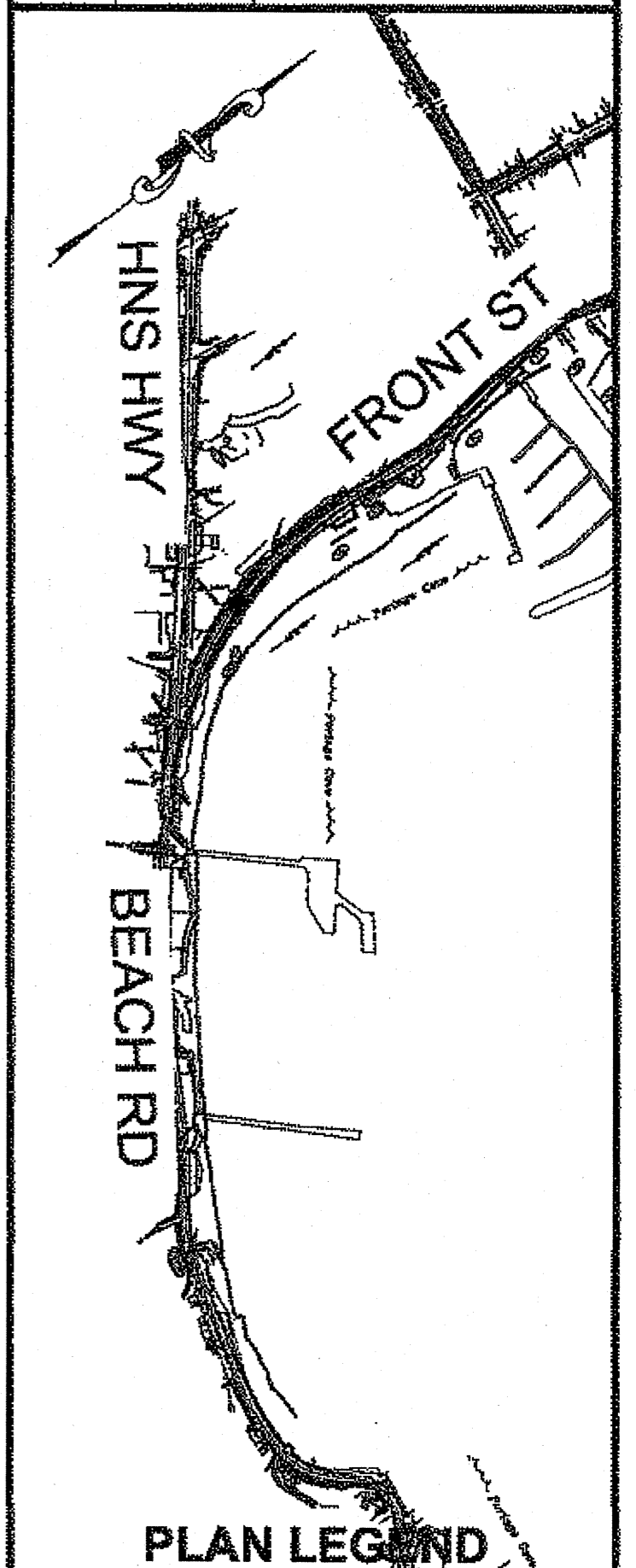
MONUMENT NOTES:

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.

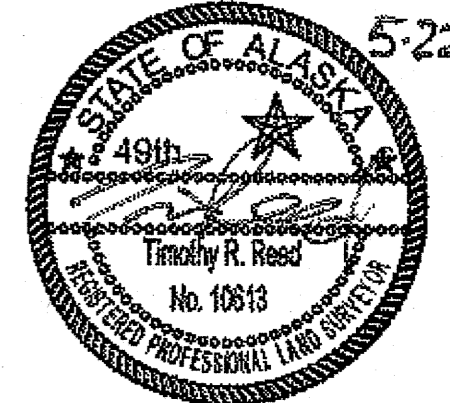
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PLANSET\69316_SURVEY CONTROL.DWG

MULLINER, DOUGLAS J (DOT)
TAB: AA2 Monday, May 21, 2012 4:08:32 PM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: R. DAVIS



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

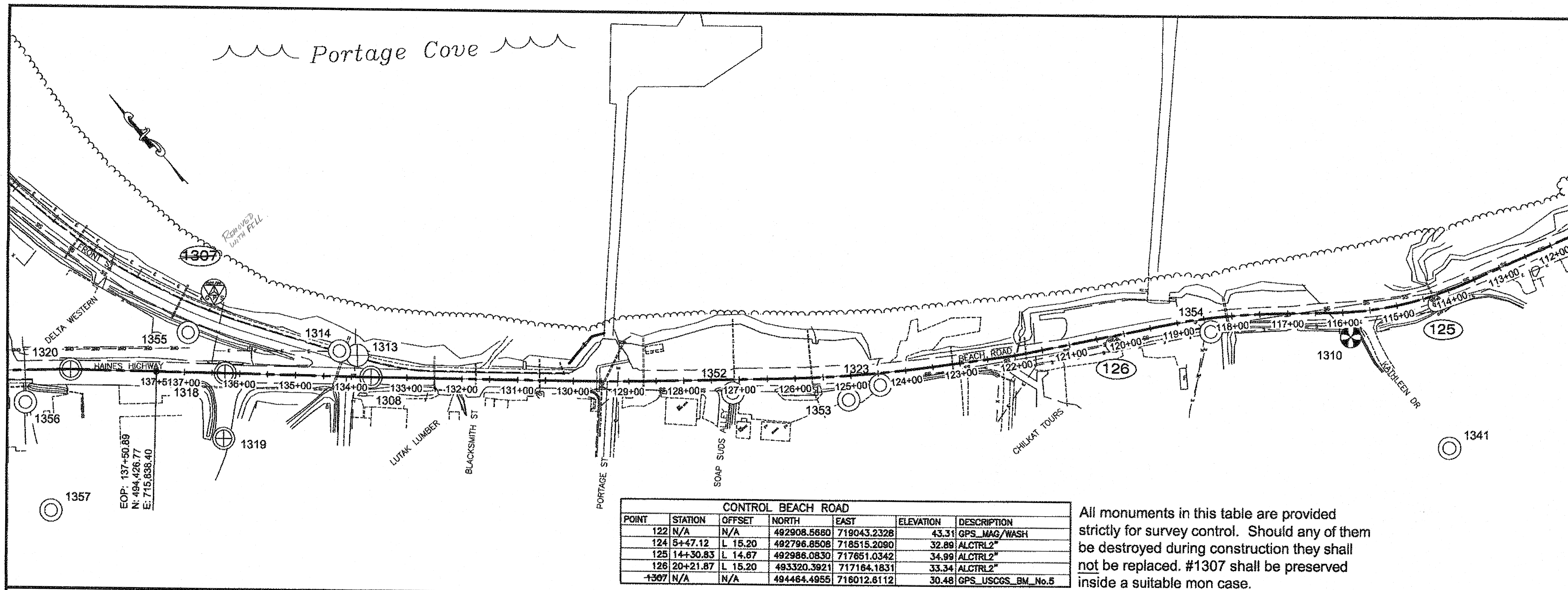
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
HNS-BEACH ROAD WIDENING &
FRONT STREET INTERSECTION
IMPROVEMENTS
PROJECT #69316

SURVEY CONTROL

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
AA2	110

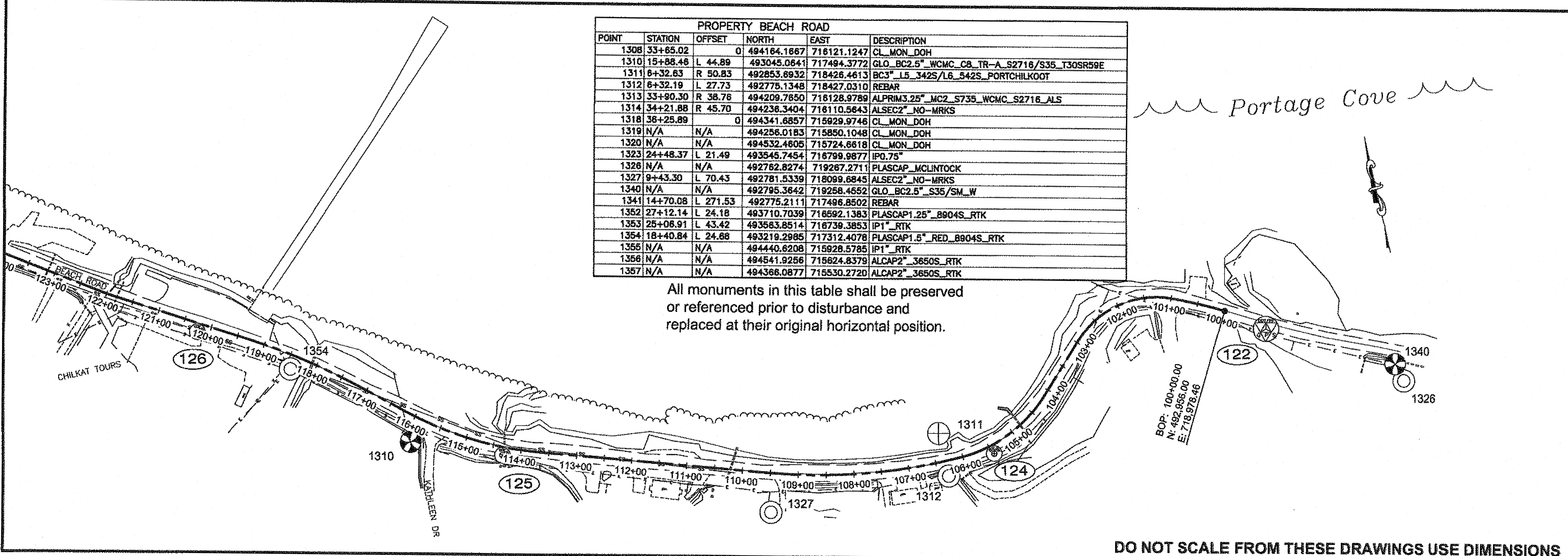
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

1-13-14



CONTROL BEACH ROAD						
POINT	STATION	OFFSET	NORTH	EAST	ELEVATION	DESCRIPTION
122	N/A	N/A	492908.5660	719043.2328	43.31	GPS_MAG/WASH
124	5+47.12	L 15.20	492796.8508	718515.2090	32.89	ALCTRL2"
125	14+30.83	L 14.67	492986.0830	717851.0342	34.99	ALCTRL2"
126	20+21.87	L 15.20	493320.3921	717164.1831	33.34	ALCTRL2"
1307	N/A	N/A	494464.4955	716012.6112	30.48	GPS_USCGS_BM_No.5

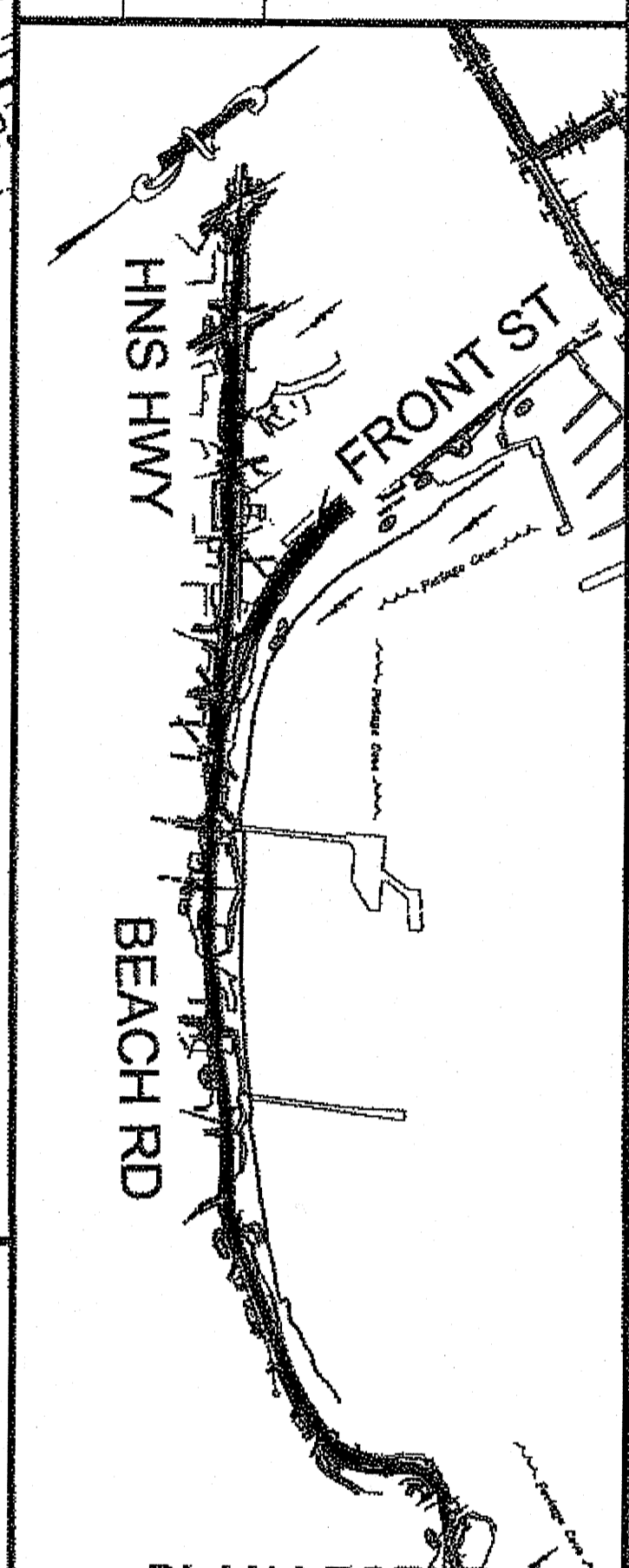
All monuments in this table are provided strictly for survey control. Should any of them be destroyed during construction they shall not be replaced. #1307 shall be preserved inside a suitable mon case.



PROPERTY BEACH ROAD						
POINT	STATION	OFFSET	NORTH	EAST	ELEVATION	DESCRIPTION
1308	33+65.02	0	494164.1667	716121.1247		CL_MON_DOH
1310	15+88.46	L 44.89	493045.0641	717494.3772		GLO_BC2.5" WCMC_C8_TR-A_S2718/S35_T30SR59E
1311	6+32.83	R 50.83	492853.8932	718426.4613		BC3" L5_342S/L6_542S_PORTCHILKOOT
1312	6+32.19	L 27.73	492775.1348	718427.0310		REBAR
1313	33+80.30	R 38.76	494209.7850	718128.9789		ALPRIM3.25" MC2_S735_WCMC_S2716_ALS
1314	34+21.88	R 45.70	494236.3404	718110.5643		ALSEC2" NO-MRKS
1318	36+25.89	0	494341.6857	715929.9746		CL_MON_DOH
1319	N/A	N/A	494256.0183	715850.1048		CL_MON_DOH
1320	N/A	N/A	494532.4605	715724.6618		CL_MON_DOH
1323	24+48.37	L 21.49	493545.7454	716799.9877		IPO.75"
1326	N/A	N/A	492762.8274	719267.2711		PLASCAP_MCLINTOCK
1327	9+43.30	L 70.43	492761.5339	718099.6845		ALSEC2" NO-MRKS
1340	N/A	N/A	492795.3642	719258.4652		GLO_BC2.5" S35/SM_W
1341	14+70.08	L 271.53	492775.2111	717496.8502		REBAR
1352	27+12.14	L 24.18	493710.7039	716592.1383		PLASCAP1.25" 8904S_RTK
1353	25+08.91	L 43.42	493563.8514	716739.3853		IP1" _RTK
1354	18+40.84	L 24.68	493219.2985	717312.4078		PLASCAP1.5" _RED_8904S_RTK
1355	N/A	N/A	494440.6208	715928.5785		IP1" _RTK
1356	N/A	N/A	494541.9256	715624.8379		ALCAP2" _3650S_RTK
1357	N/A	N/A	494368.0877	715530.2720		ALCAP2" _3650S_RTK

All monuments in this table shall be preserved or referenced prior to disturbance and replaced at their original horizontal position.

PATH:Q:\HNS\69316\ENDDOUG'S
PLANS\69316_SURVEY CONTROL.DWG
MULLINER, DOUGLAS J (DOT)
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ADDENDUM NUMBER
ATTACHMENT NUMBER
RECORD OF REVISIONS
No. DATE DESCRIPTION



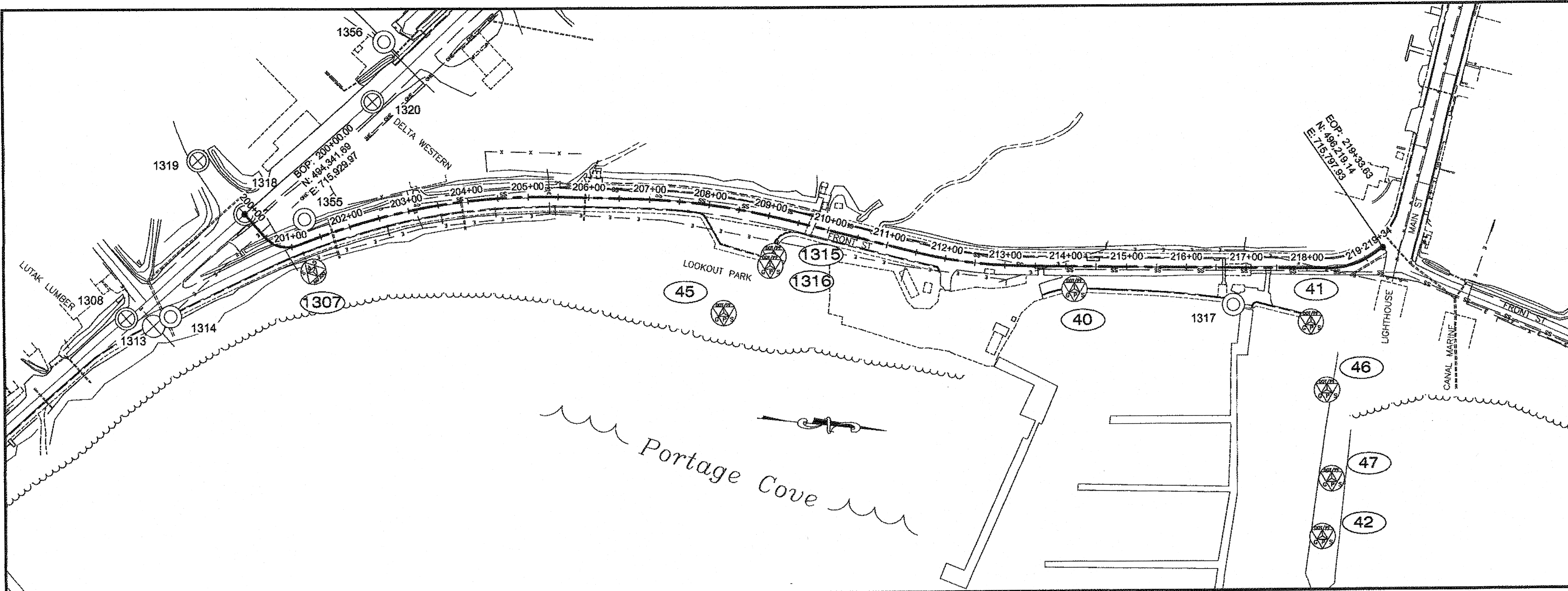
CHECKED BY: R. DAVIS
5-22-12
STATE OF ALASKA
49th
Timothy R. Reed
No. 10613
REGISTERED PROFESSIONAL LAND SURVEYOR

DESIGNED BY: T. REED
DRAWN BY: T. REED
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
HNS-BEACH ROAD WIDENING &
FRONT STREET INTERSECTION
IMPROVEMENTS
PROJECT #69316

SURVEY CONTROL
PROJECT DESIGNATION
69316
STATE ALASKA YEAR 2012
SHEET NUMBER AA3_B TOTAL SHEETS 110

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1-13-14



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 PLANSET\69316_SURVEY CONTROL.DWG

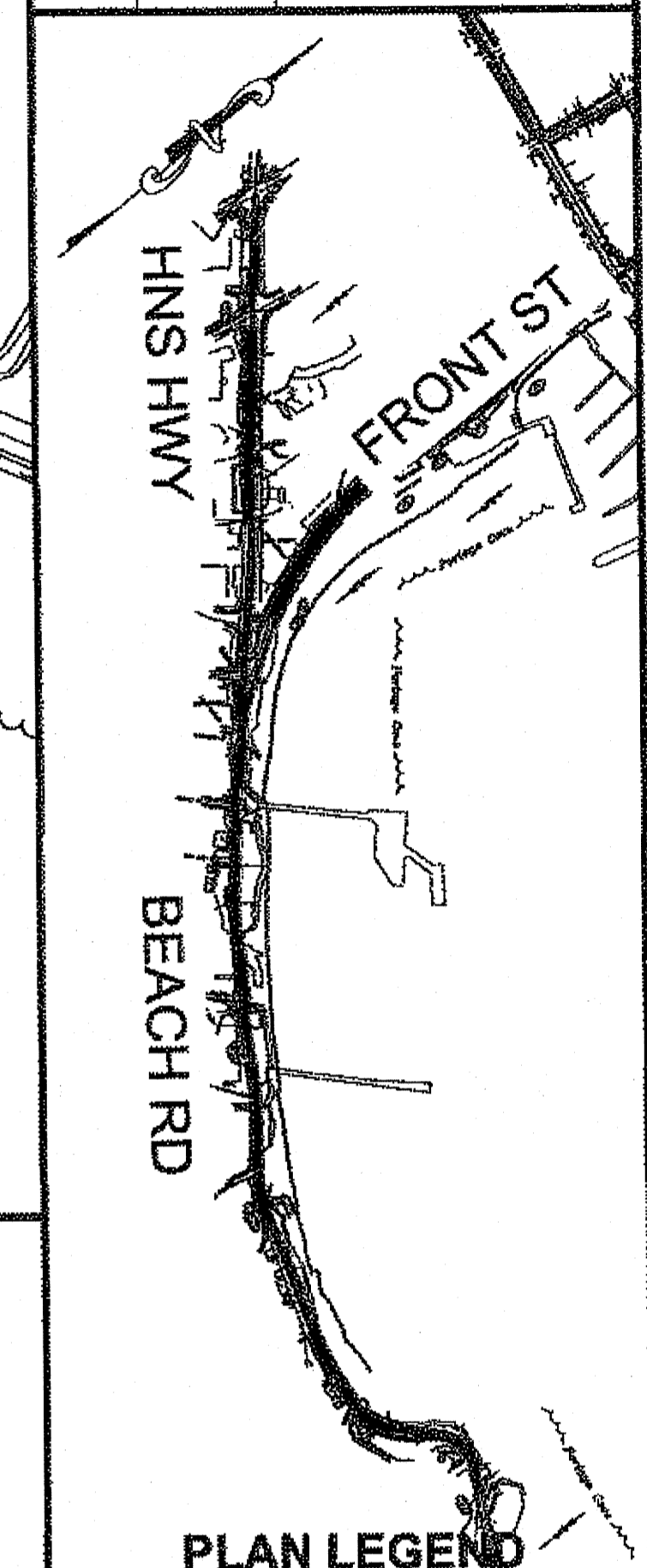
MULLINER, DOUGLAS J (DOT)
 TAB: AA4_F Monday, May 21, 2012 4:38:57 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

PROPERTY FRONT STREET					
POINT	STATION	OFFSET	NORTH	EAST	DESCRIPTION
1308	0+00	R 260.87	494164.1667	716121.1247	CL_MON_DOH
1313	0+38.76	R 235.59	494209.7650	716128.9789	ALPRIM3.25_MC2_S735_WCMC_S2716_ALS
1314	0+45.70	R 204.01	494236.3404	716110.5843	ALSEC2_NO-MRKS
1317	16+78.85	R 61.00	495982.4654	715915.4792	ALSEC2_TONER-NRDNG
1318	0+00	0	494341.6857	715929.9748	CL_MON_DOH
1319	N/A	N/A	494256.0183	715850.1048	CL_MON_DOH
1320	2+83.83	L 188.42	494532.4605	715724.6818	CL_MON_DOH
1355	1+35.55	L 35.85	494440.6208	715928.5785	IP1_RTK
1356	3+16.41	L 260.47	494541.9256	715624.6379	ALCAP2_3650S_RTK

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CONTROL FRONT STREET						
POINT	STATION	OFFSET	NORTH	EAST	ELEVATION	DESCRIPTION
40	14+14.47	R 37.40	495717.0424	715915.8032	33.55	GPS_BC3.25_USACE_HH-21
41	18+06.24	R 88.74	496111.8368	715931.6236	32.24	GPS_BC3.25_USACE_HH-20
42	18+26.34	R 44.54	496163.6525	716281.1774	25.63	GPS_BC3.25_USACE_HH-1
45	8+55.21	R 172.35	495143.9576	716012.3701	24.57	GPS_BC3.5_USACE_HH-5
46	18+32.60	R 200.81	496148.1931	716040.8648	18.05	GPS_ALCAP2_TONER-NRDNG
47	18+37.49	R 346.36	496170.0388	716184.9990	26.96	GPS_ALCAP2_DOWL-HKM
1307	1+18.02	R 49.75	494484.4955	716012.6112	30.48	GPS_USCGS_BM_No.5
1315	9+23.56	R 63.13	495217.0239	715910.7089	35.61	GPS_BC3.25_USACE_HH-23
1316	9+21.77	R 79.74	495213.0345	715926.9214	35.57	GPS_BC3.25_DOT_HNS-7

All monuments in this table are provided strictly for survey control. Should any of them be destroyed during construction they shall not be replaced. #1307 shall be preserved inside a suitable mon case.

CHECKED BY: R. DAVIS

522-12

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

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

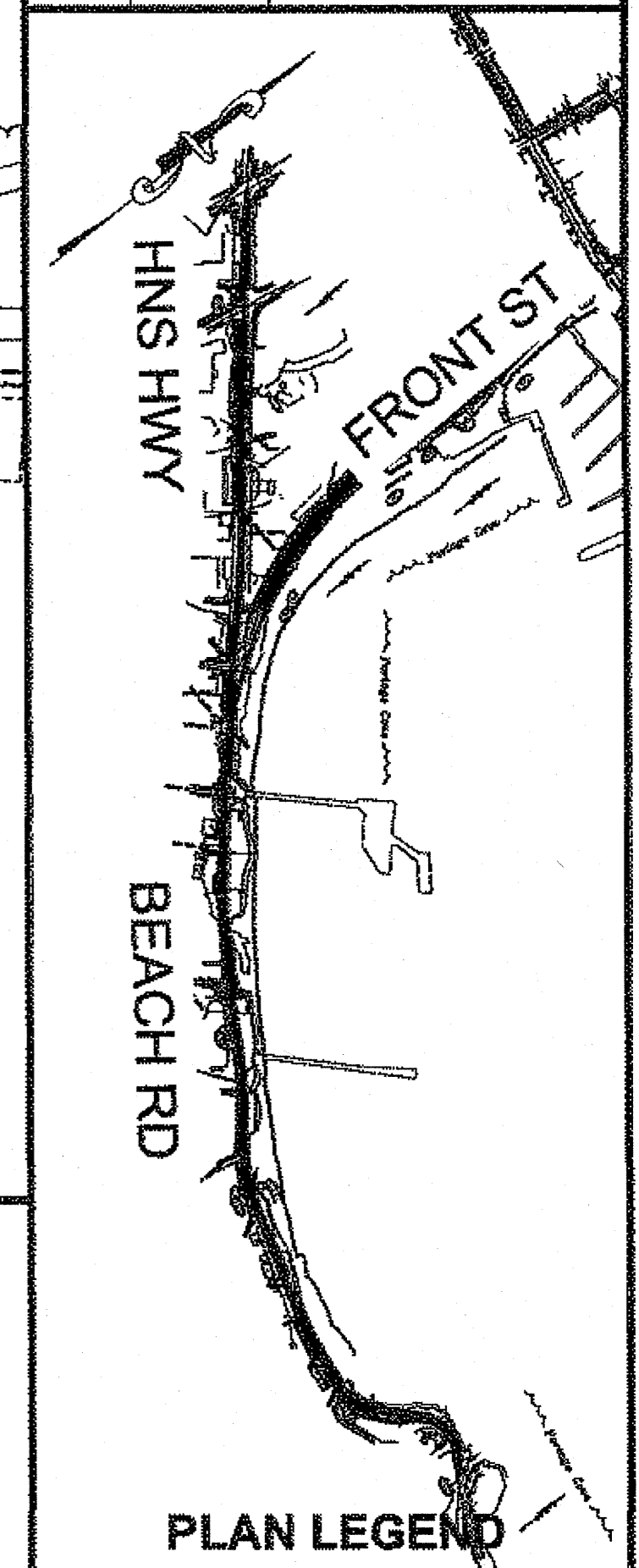
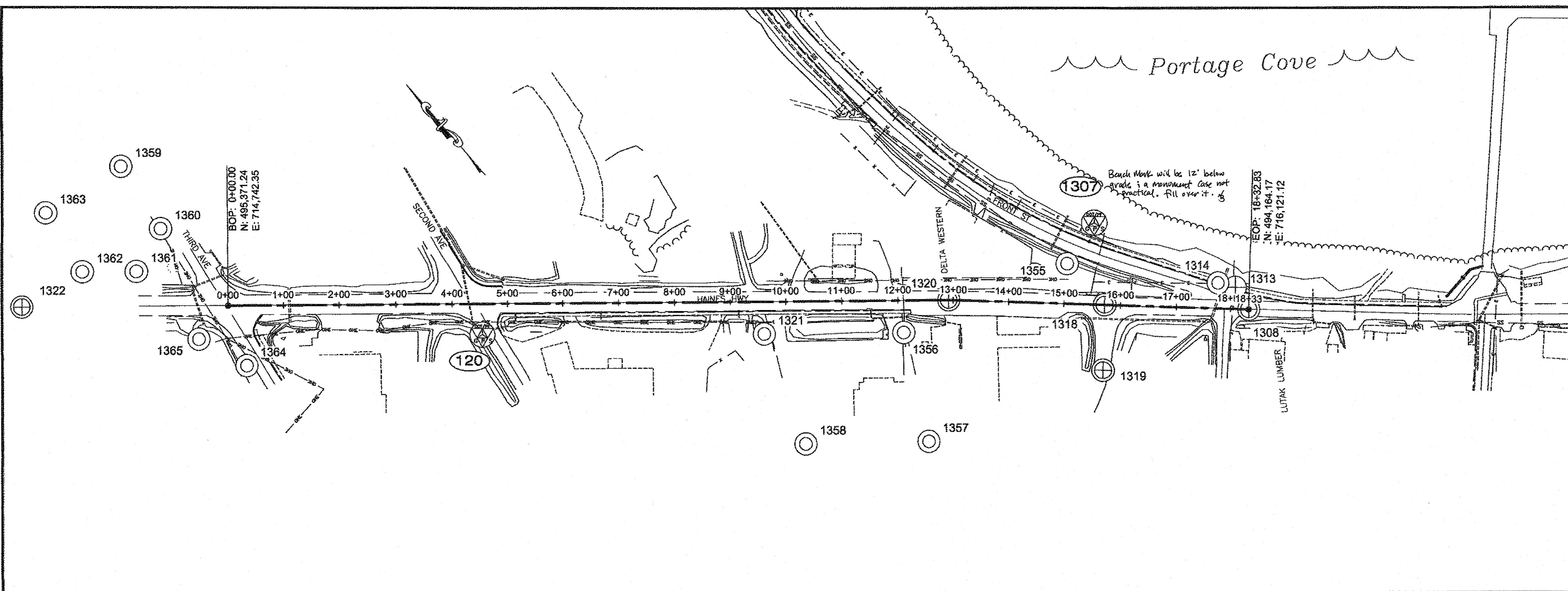
HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS
 PROJECT #69316

SURVEY CONTROL

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
AA4_F	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

1-13-14



CONTROL HAINES HWY						
POINT	STATION	OFFSET	NORTH	EAST	ELEVATION	DESCRIPTION
120	4+53.96	R 55.23	495034.4599	719051.7081	49.87	GPS_SURVSPIKE_PND
1307	15+48.91	L 146.22	494464.4955	716012.6112	30.48	GPS_USCGS_BM_No.5

All monuments in this table are provided strictly for survey control. Should any of them be destroyed during construction they shall not be replaced. #1307 shall be preserved inside a suitable mon case. FILL OVER IT.

PROPERTY HAINES HWY						
POINT	STATION	OFFSET	NORTH	EAST	ELEVATION	DESCRIPTION
1308	18+32.83	0	494164.1667	716121.1247		CL_MON_DOH
1313	18+07.56	L 38.76	494209.7650	716128.9789		ALPRIM3.25" MC2_S735_WCMC_S2716_ALS
1314	17+75.98	L 45.70	494236.3404	716110.5643		ALSEC2" NO-MRKS
1318	15+71.97	0	494341.6857	715929.9746		CL_MON_DOH
1319	15+71.77	R 117.12	494256.0183	715850.1048		CL_MON_DOH
1320	12+91.70	0	494532.4606	715724.6618		CL_MON_DOH
1321	9+60.38	R 57.82	494703.6333	715435.1477		ALSEC2.5" PO_SITE
1322	N/A	N/A	495608.6178	714463.1694		CL_MON_DOH
1355	15+03.60	L 71.53	494440.6208	715928.5785		IP1" RTK
1356	12+09.64	R 57.62	494541.9256	715624.8379		ALCAP2" 3650S_RTK
1357	12+51.91	R 252.75	494366.0877	715530.2720		ALCAP2" 3650S_RTK
1358	10+32.60	R 255.17	494506.6564	715361.9289		ALCAP2" 3650S_RTK
1359	N/A	N/A	495684.7904	714761.5257		ALCAP2" L3_6277S_RTK
1360	N/A	N/A	495554.8397	714741.0597		REBAR5/8" SPINHOLE_RTK
1361	N/A	N/A	495524.6381	714659.0156		REBAR5/8" RTK
1362	N/A	N/A	495586.6762	714586.2632		REBAR5/8" SPINHOLE_RTK
1363	N/A	N/A	495709.3616	714606.0083		PLASCAP1.5" 3650S_RTK
1364	0+31.91	R 107.42	495288.8225	714696.8594		REBAR5/8" RTK
1365	N/A	N/A	495380.5453	714662.8433		PLASCAP1.5" 9234S_RTK

All monuments in this table shall be preserved or referenced prior to disturbance and replaced at their original horizontal position.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: R. DAVIS

5-22-12

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

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

SURVEY CONTROL

PROJECT DESIGNATION
69316


STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
AA5_HH	110

03
 1-13-14

BASIS OF ESTIMATE-BASIC BID		
ITEM NO.	ITEM	ESTIMATING FACTOR
201 (3B)	CLEARING AND GRUBBING	1.05 ACRES
203 (3)	UNCLASSIFIED EXCAVATION	3008 CY - ASSUME SUITABLE FOR SELECTED MATERIAL, TYPE C ESTIMATED 362 CY - SELECTED MATERIAL, TYPE C REQUIRED
203 (6)	BORROW	6862 CY, TYPE A 2.3 TONS/CY COMPACTED IN PLACE
301 (1)	AGGREGATE BASE COURSE GRADING D-1	2.5 TON/CY
304 (1)	SUBBASE, GRADING B	2.3 TON/CY
306 (1)	ATB	124 LBS/SY/IN
401 (1)	ASPHALT CONCRETE	124 LBS/SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	6% OF ITEM 401 (1) - 4.5% OF ITEM 306 (1)
402 (1)	STE-1 TACK COAT	0.1 GAL./S.Y. (243 GAL/TON)
408 (1)	ASPHALT COLD PLANING	1137 CY RAM GENERATED USEABLE FOR AGGREGATE FOR CRUSHED AGGREGATE BASE COURSE AND AGGREGATE BASE COURSE, GRADING D1

ESTIMATE OF QUANTITIES-BASIC BID					
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	69316 BEACH RD. & FRONT ST.	69178 OLD HAINES HWY	TOTAL QTY.
201 (3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
202 (2)	REMOVAL OF PAVEMENT	SQUARE YARD	180	638	818
202 (3)	REMOVAL OF SIDEWALK	SQUARE YARD	1550	265	1815
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	1527	-	1527
202 (8)	REMOVAL OF INLET	EACH	11	-	11
202 (9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	2340	461	2801
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	1552	1456	3008
203 (6)-A	BORROW, TYPE A	TON	14782	1000	15782
301 (1)	AGGREGATE BASE COURSE, GRADING D1	TON	1700	650	2350
303 (3)	LINEAR GRADING	STATION	41	-	41
303 (4)	DITCH RECONDITIONING	LINEAR FOOT	471	35	506
304 (1)	SUBBASE, GRADING B	TON	4452	-	4452
306 (1)	ATB	TON	2365	75	2440
308 (1)	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	4745	-	4745
308 (2)	AGGREGATE FOR CABC	CUBIC YARD	580	-	580
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	2030	80	2110
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	237	5	242
401 (6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	-	ALL REQUIRED
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	9	1	10
408 (1)	ASPHALT COLD PLANING	SQUARE YARD	10333	-	10333
603 (21)-12	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	107	-	107
603 (21)-18	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	708	402	1110
603 (21)-24	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	618	-	618
604 (21)-30	30 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	77	-	77
603 (21)-36	36 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	175	-	175
603 (22)	PERMANENT CULVERT TRENCH PATCH	EACH	4	-	4
604 (3)	RECONSTRUCT EXISTING MANHOLE	EACH	1	-	1
604 (4)	ADJUST EXISTING MANHOLE	EACH	14	-	14
604 (5)	INLET, TYPE A	EACH	14	8	22
604 (8)	ADJUST EXISTING INLET FRAME & GRATE	Each	2	3	5
604 (9)	INLET FRAME AND GRATE REPLACEMENT	Each	9	-	9
605 (6)-12	12 INCH PERFORATED CORRUGATED PE PIPE FOR UNDERDRAIN	LINEAR FOOT	20	-	20

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

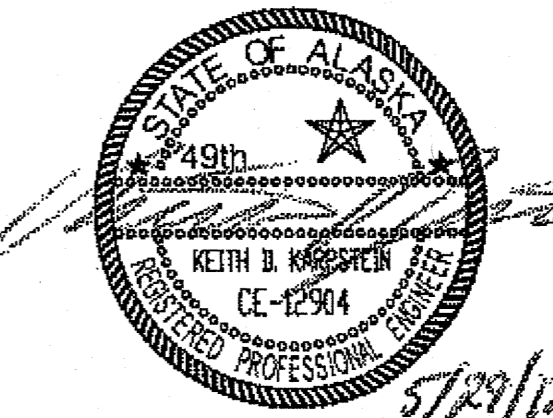
CHECKED BY: K. KARPSTEIN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION
	HNS: BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316 & HNS: OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178 ESTIMATE OF QUANTITIES
DESIGNED BY: D. MULLINER	
DRAWN BY: D. MULLINER	
PATH: Q:\HNS\69316\ENDOUIG'S PLANSET\BB1_COMBINED_EST.DWG	
TAB: BB1	MULLINER, DOUGLAS J. (DOT)
REVISIONS	PROJECT DESIGNATION
NO. DATE DESCRIPTION	69316
	69178
	YEAR
	2012
	SHEET NO.
	BB1
	TOTAL SHEETS
	110

1-13-14

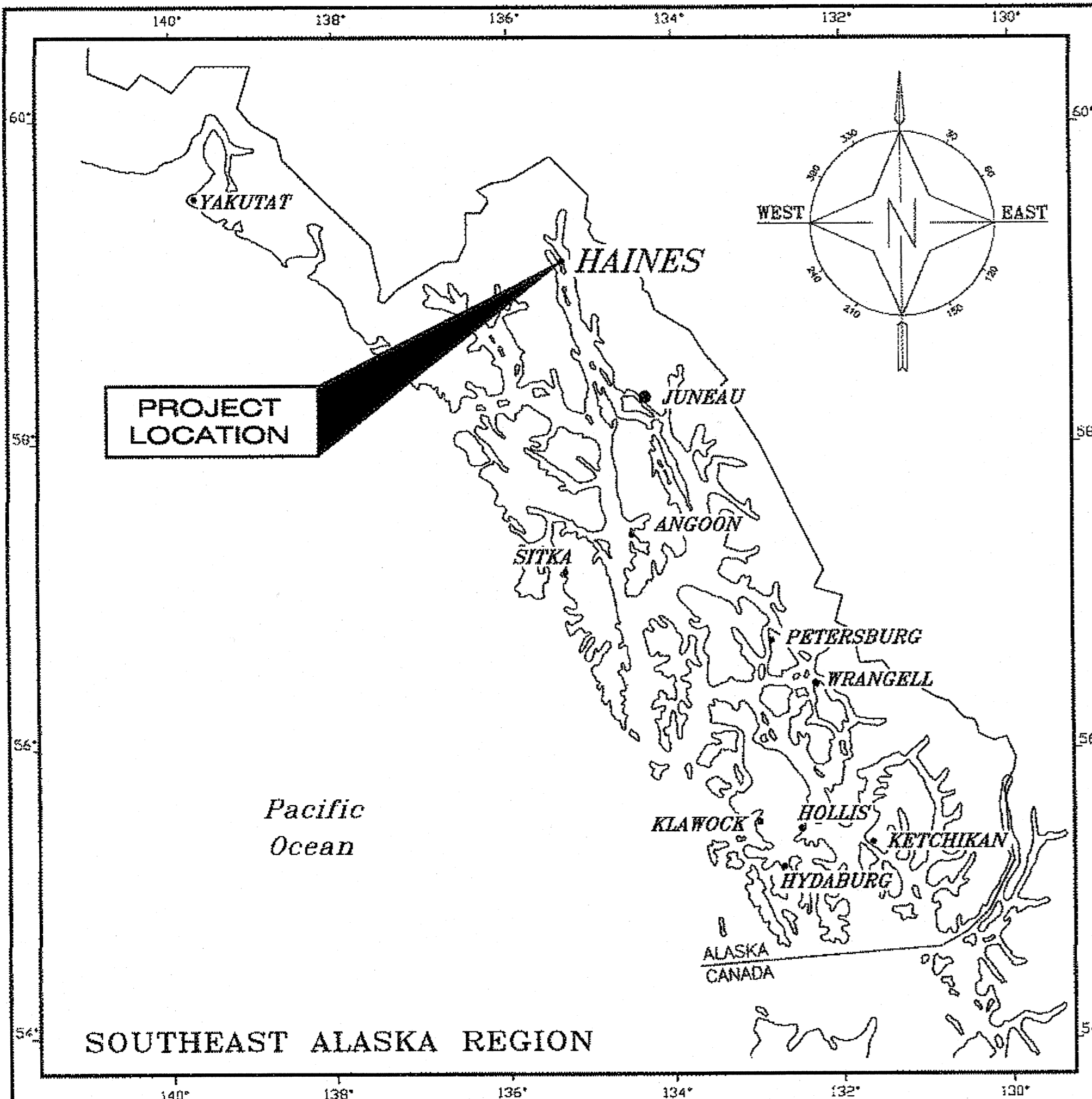
ESTIMATE OF QUANTITIES-BASIC BID

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	69316 BEACH RD. & FRONT ST.	69178 OLD HAINES HWY	TOTAL QTY.
606 (6)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	65	-	65
608 (1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	1775	986	2761
608 (1B)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	101	171	272
608 (6)	CURB RAMP	EACH	18	13	31
609 (2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	3380	2393	5773
611 (1)-1	RIPRAP, CLASS I	CUBIC YARD	110	30	140
615 (1)	STANDARD SIGN	SQUARE FOOT	222	159	381
618 (1)	SEEDING	ACRE	0.75	0.3	1.05
620 (1)	TOPSOIL	SQUARE YARD	3640	1455	5095
627 (10)	ADJUSTMENT OF VALVE BOX	EACH	5	3	8
639 (3)	DRIVEWAY	EACH	15	10	25
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641 (1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641 (3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641 (4)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL ADDITIVES	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641 (6)	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642 (1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642 (4)	SET PRIMARY MONUMENT	EACH	1	-	1
642 (9)	REFERENCE EXISTING MONUMENT	EACH	1	-	1
642 (10)	MONUMENT CASE	EACH	1	-	1
642 (11)	ADJUST EXISTING MONUMENT CASE	EACH	2	-	2
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643 (15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643 (23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643 (25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
644 (6)	VEHICLES	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
648 (1)	ARCHEOLOGICAL MONITOR	HOUR	30	-	30
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

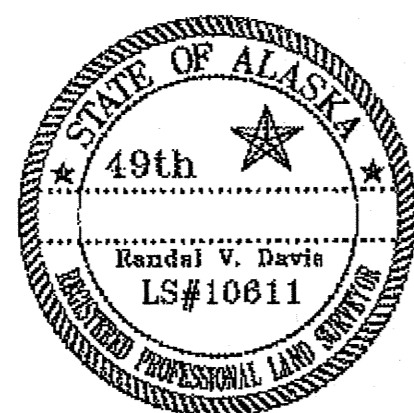
CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION HNS: BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316 & HNS: OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178 ESTIMATE OF QUANTITIES			
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		PATH: Q:\HNS\69316\EN\DOUG'S PLANSET\BB1_COMBINED_EST.DWG TAB: BB2 Tuesday, May 29, 2012 11:31:40 AM MULLINER, DOUGLAS J (DOT)			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69316 69178	YEAR 2012	SHEET NO. BB2	TOTAL SHEETS 110

B
1-13-14



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

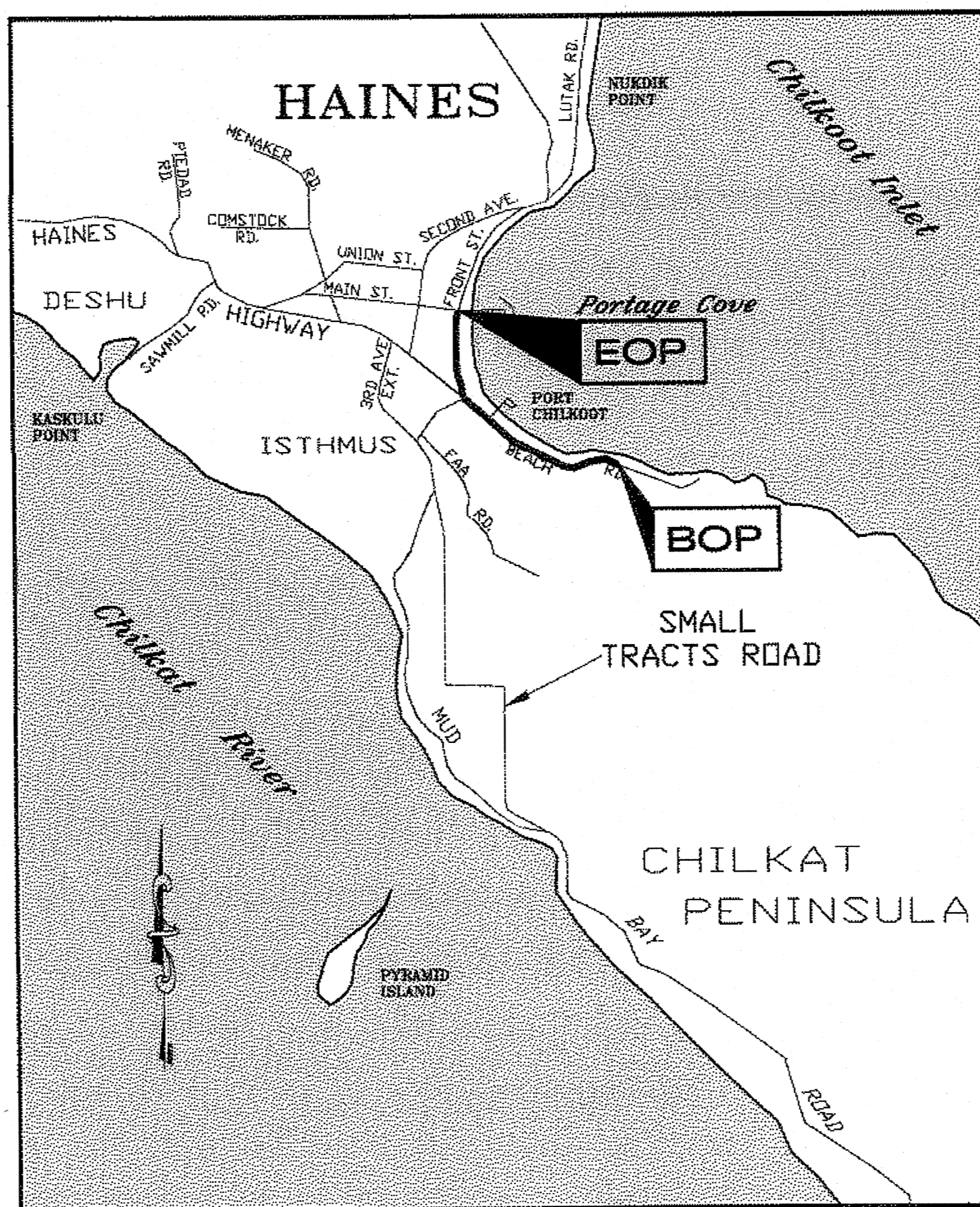
SOUTHEAST REGION
 RIGHT OF WAY MAP
 ALASKA PROJECT
HAINES
 BEACH ROAD WIDENING &
 FRONT STREET
 INTERSECTION IMPROVEMENT
 69316



SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY that I am properly registered and licensed to practice land surveying in the State of Alaska and that this plat was made by me or under my supervision. I declare that this plat was based upon the monuments recovered during State of Alaska Locations Survey 69316 dated 14 FEB 2011, and that all dimensions and other details are accurate.

Randal V. Davis 5/29/12
 Randal V. Davis LS-10811 Date



VICINITY MAP

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND
 PUBLIC FACILITIES

APPROVED 5-29-12
 Date

[Signature]
 CHIEF RIGHT OF WAY AGENT

STATE BUSINESS - NO FEE
 HAINES RECORDING DISTRICT

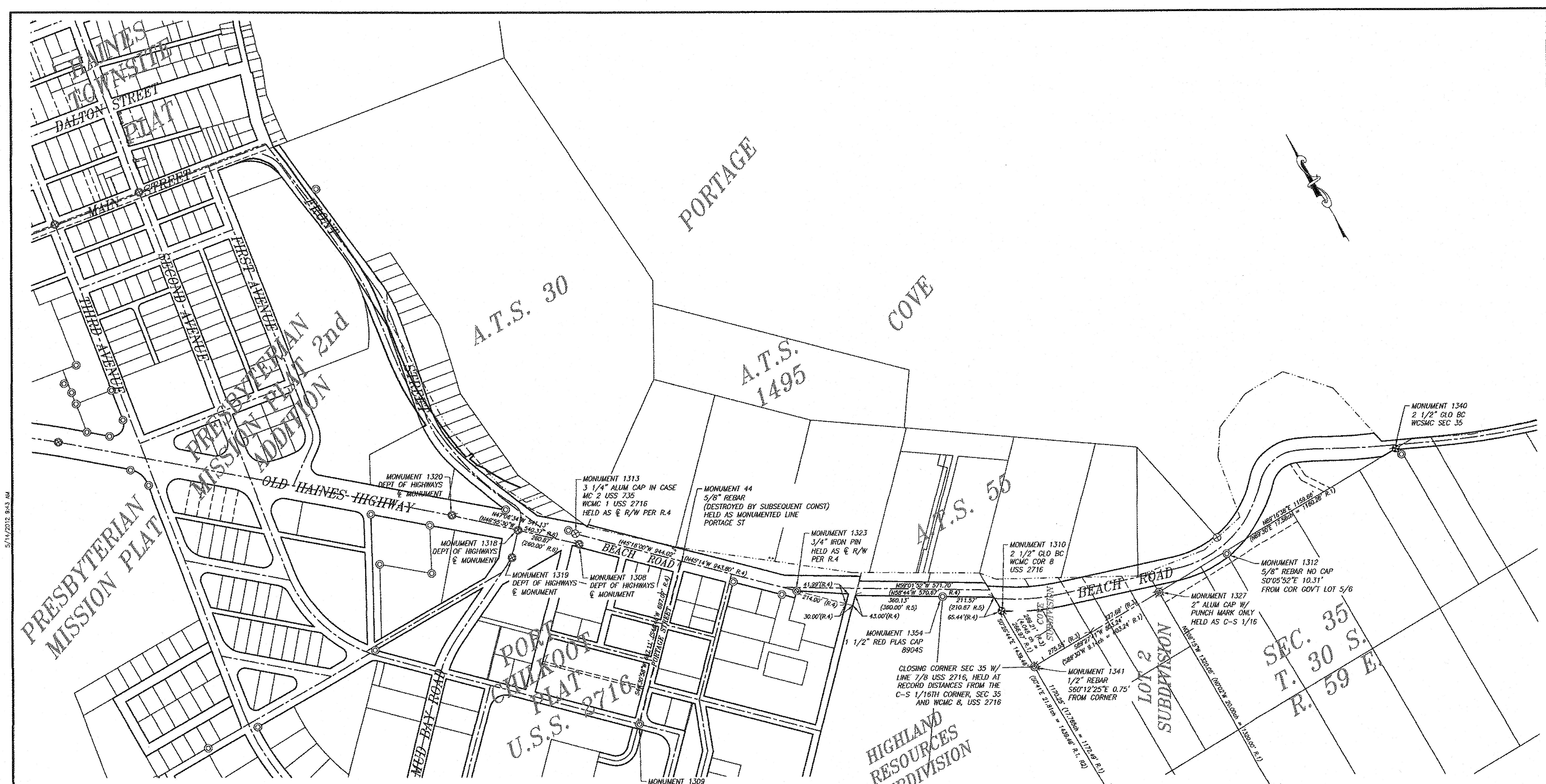
Mon, 14/May/12 10:27AM

Q:\Hms\69316\FW\Front_Beach.dwg\Front_Street_09.dwg

BS
 1-13-14

5/14/2012 9:43 AM

05-HNS-69316-FRONT-BEACH-ROAD-INTERSECTION-IMPROVEMENT-STREET-08.DWG



GENERAL NOTES

1. THE BASIS OF BEARING FOR THIS PROJECT IS THE GEODETIC BEARING OF S50°56'51"E FROM HNS-D TO HNS-A. THIS BEARING WAS DERIVED FROM GPS AND CONVENTIONAL OBSERVATIONS PLUS THE APPLIED CONVERGENCE ANGLE OF -1°34'03.84".
2. WHERE RECORD COURSES DIFFER FROM MEASURED OR COMPUTED COURSES, THE RECORD COURSE IS IN PARENTHESIS.
3. THE PURPOSE OF THESE PLANS IS TO DEFINE THE RIGHT OF WAY FOR PROJECT 69316, BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENT. THE RIGHT-OF-WAY OF FRONT STREET WAS DETERMINED FROM INFORMATION CONTAINED IN PRESBYTERIAN MISSION PLAT - 2ND ADDITION. THE RIGHT-OF-WAY OF OLD HAINES HIGHWAY WAS DETERMINED FROM INFORMATION CONTAINED IN PRESBYTERIAN MISSION PLAT AND STATE OF ALASKA HIGHWAY PROJECT RS-0987(1). THE RIGHT-OF-WAY OF BEACH ROAD WAS DETERMINED FROM INFORMATION CONTAINED IN PORT CHILKOOT SUBDIVISION PLAT AND COVE SUBDIVISION PLAT. THE UNPLATTED SECTION WAS DERIVED FROM THE EXISTING ROAD LOCATION.
4. THE PREPARATION OF THESE PLANS WAS DIRECTLY SUPERVISED BY THE SENIOR RIGHT OF WAY AGENT, TITLES AND PLANS SECTION, SOUTHEAST REGION.

REFERENCES

- R.1 BLM FIELD NOTES INSTRUCTIONS DATED MAY 11, 1950, RECORDED IN VOLUME R0027.
- R.2 USS 2716
- R.3 COVE SUBDIVISION, PLAT 88-3, HRD
- R.4 PORT CHILKOOT SUBDIVISION, PLAT 18, HRD
- R.5 HIGHLAND RESOURCES SUBDIVISION, PLAT 92-4, HRD
- R.6 STATE OF ALASKA PROJECT RS-0987(1)

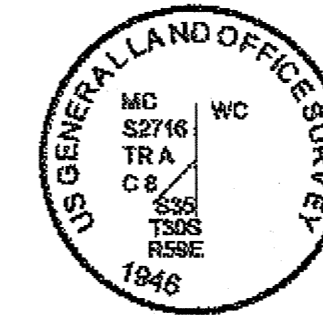
DATE	REVISIONS	BY

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 &
 PUBLIC FACILITIES
 RIGHT OF WAY MAP
 ALASKA PROJECT NO. 69316
 HAINES - BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS

DRAWN	RJG	DATE	05/2011	SCALE	1"=200'
CHECKED		DATE		SHEET	2 OF

OS
1-13-14

HIGHLAND RESOURCES SUBDIVISION,
A PORTION OF USS 2716
(PLAT 92-4)



MONUMENT 1310
2 1/2" BRASS CAP
NOT TO SCALE

MONUMENT 1310
SEE DETAIL
END PLATTED R/W
(COVE SUBDIVISION)
STATION=115+88.46
OFFSET=44.89' LT

STATION=115+95.69
OFFSET=35.37' LT

LOT 2

WALKER
SUBDIVISION
(PLAT 76-5)

LOT 3

COVE SUBDIVISION, A
SUBDIVISION OF LOT 3,
SEC 35, T 30 S, R 59 E, LOT 1
C.R.M. (PLAT 88-3)

LOT 2

BEGIN PLATTED R/W
(COVE SUBDIVISION)
STATION=112+96.79
OFFSET=39.27' LT

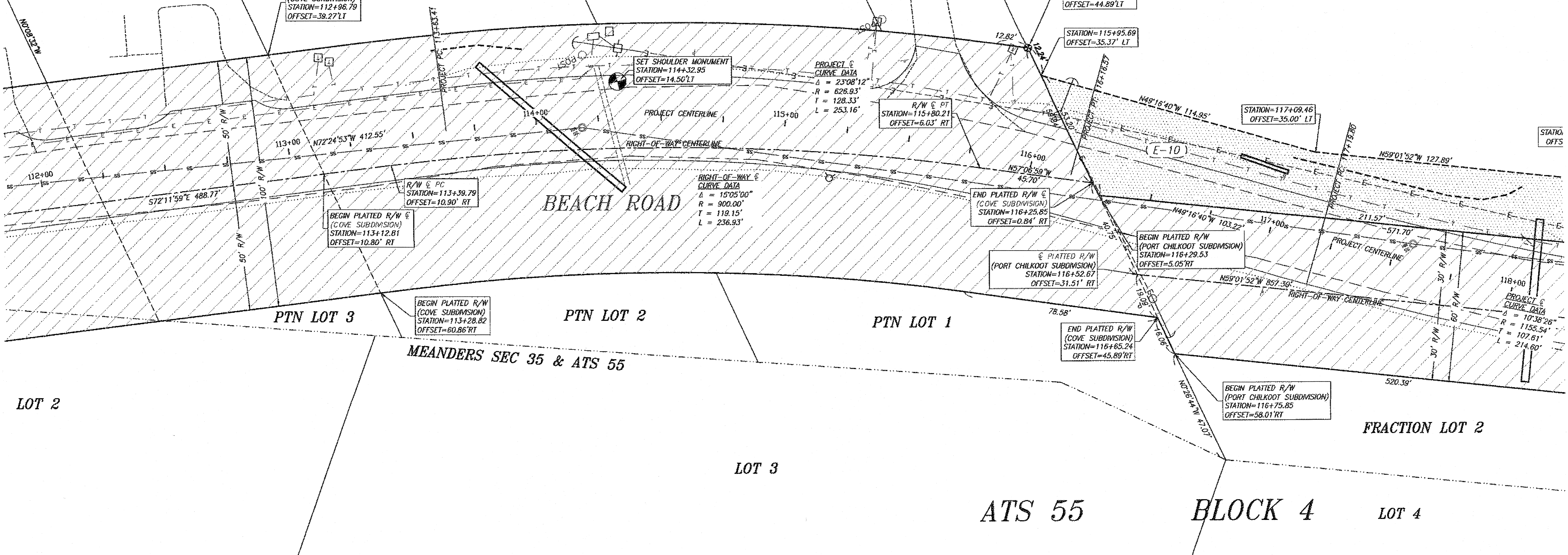
SET SHOULDER MONUMENT
STATION=114+32.95
OFFSET=14.50' LT

PROJECT &
CURVE DATA
Δ = 23°08'12"
R = 626.93'
T = 128.33'
L = 253.16'

R/W & PT
STATION=115+80.21
OFFSET=6.03' RT

STATION=117+09.46
OFFSET=35.00' LT

STATION
OFFS



5/14/2012 9:45 AM

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EASEMENT	OWNER	AREA	PURPOSE	RECORDING DATA
E-10	HIGHLAND ESTATES, INC.	6703 SF	HIGHWAY EASEMENT	

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO. 69316
HAINES - BEACH ROAD WIDENING & FRONT
STREET INTERSECTION IMPROVEMENTS

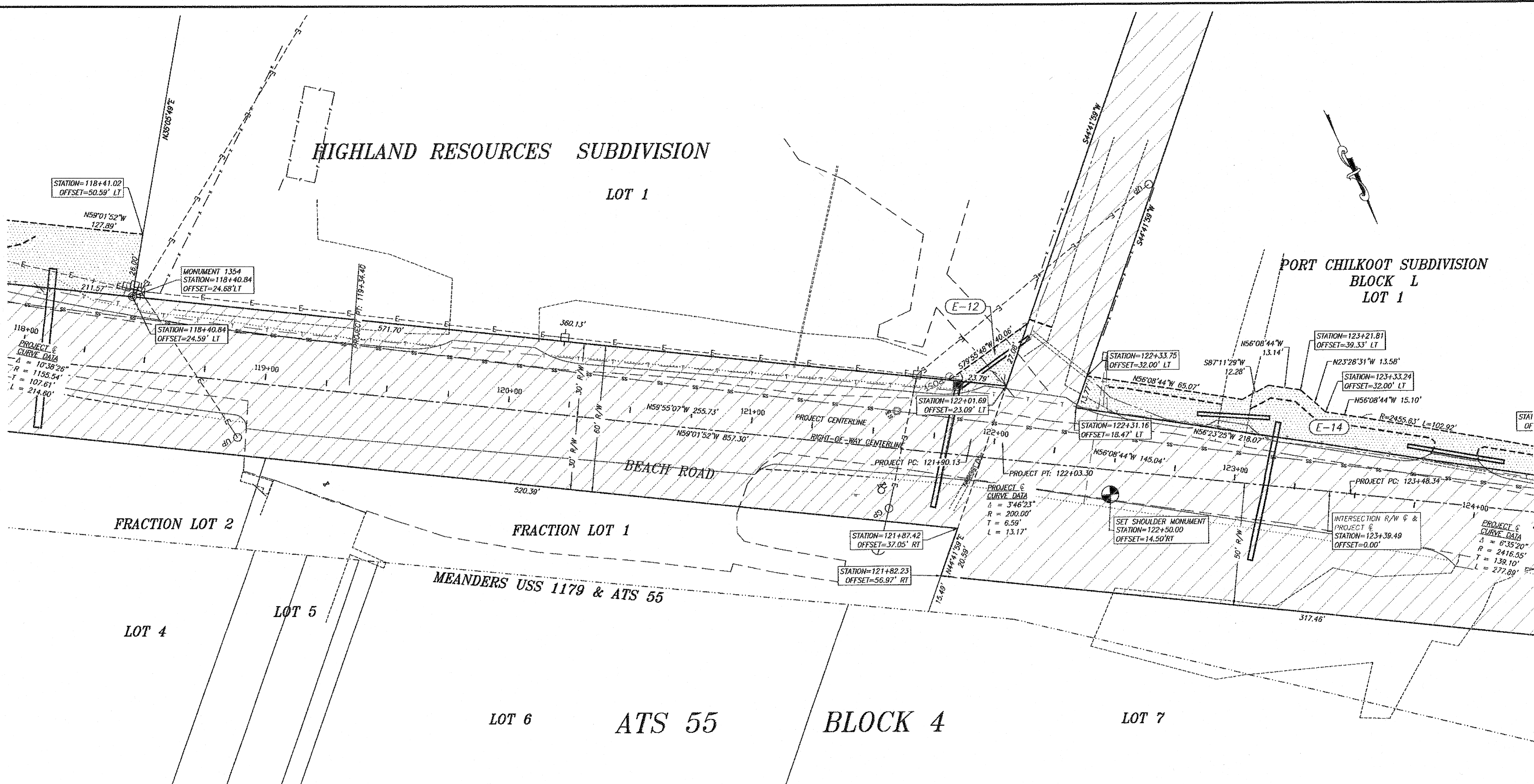
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CHECKED		DATE		SHEET	6 OF

B
1-13-14

HIGHLAND RESOURCES SUBDIVISION

LOT 1

PORT CHILKOOT SUBDIVISION
BLOCK L
LOT 1

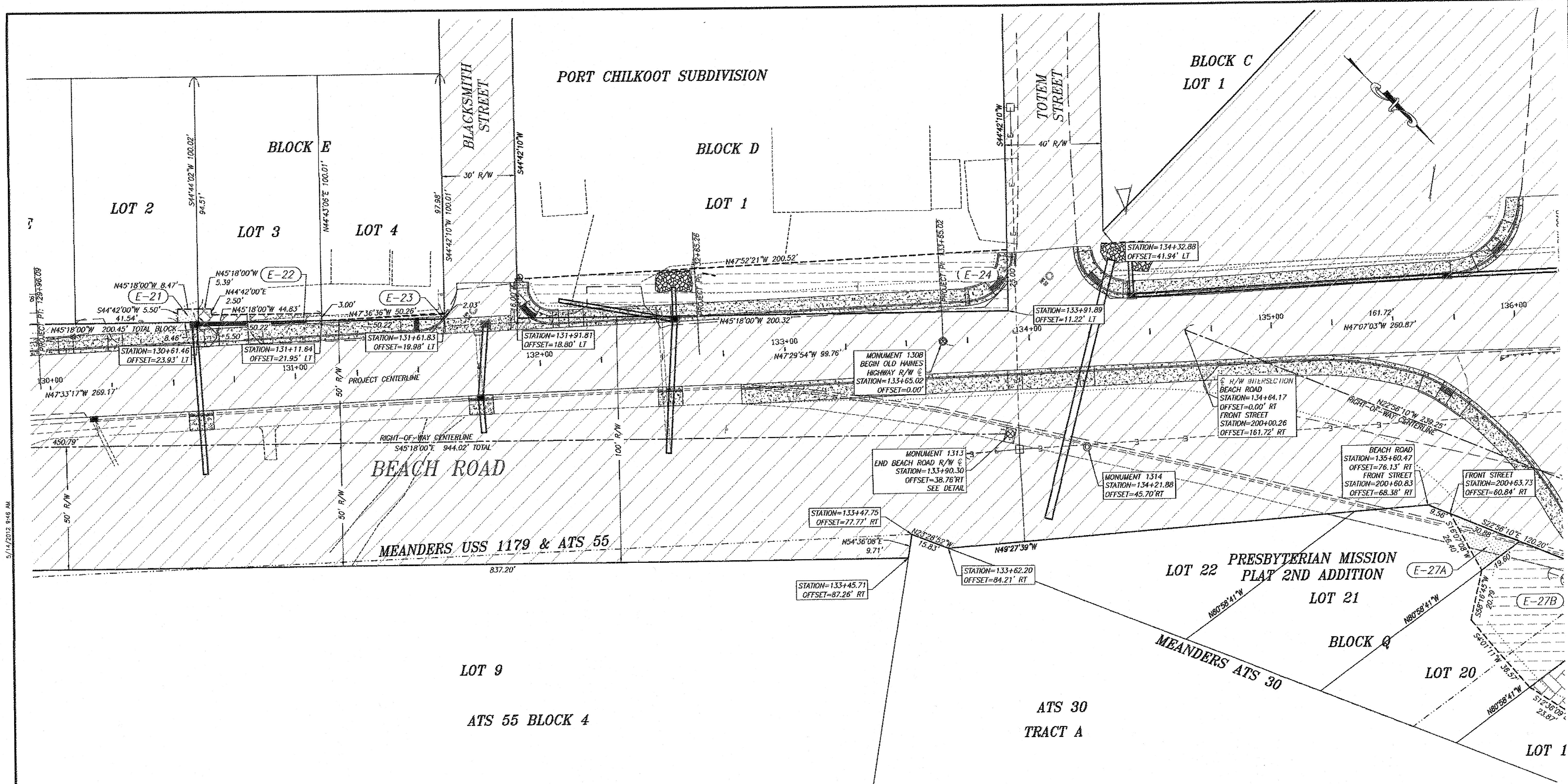


3/14/2012 9:45 AM
C:\LAND\893145\893145.DWG BEACH ROAD FRONT STREET CORNER

EASEMENT	OWNER	AREA	PURPOSE	RECORDING DATA
E-10	HIGHLAND ESTATES, INC.	6703 SF	HIGHWAY EASEMENT	
E-12	CHILKATS' PROTAGE COVE DEV. CO	313 SF	HIGHWAY EASEMENT	
E-14	FRED E. WILEY PROFIT SHARING TRUST	2946 SF	HIGHWAY EASEMENT	

DATE	1/27/12	ADD EASEMENT E-12	RJC
DATE		REVISIONS	BY
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES RIGHT OF WAY MAP ALASKA PROJECT NO. 69316 HAINES - BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS			
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CHECKED		DATE	
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		SHEET	7 OF

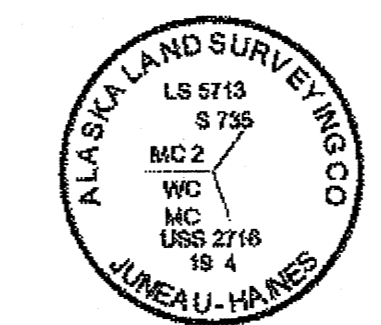
1-13-14



5/14/2012 9:46 AM

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EASEMENT	OWNER	AREA	PURPOSE	RECORDING DATA
E-21	ROYAL BARTLETT HENDERSON JR.	47 SF	HIGHWAY EASEMENT	
E-22	LEO & GEORGE ANN SMITH	164 SF	HIGHWAY EASEMENT	
E-23	LEO & GEORGE ANN SMITH	51 SF	HIGHWAY EASEMENT	
E-24	LUTAK LUMBER & SUPPLY, INC.	4107 SF	HIGHWAY EASEMENT	
E-27A	PORT CHILKOOT CO.	257 SF	GRADING	



MONUMENT 1313
3 1/4" ALUMINUM CAP IN CASE
NOT TO SCALE

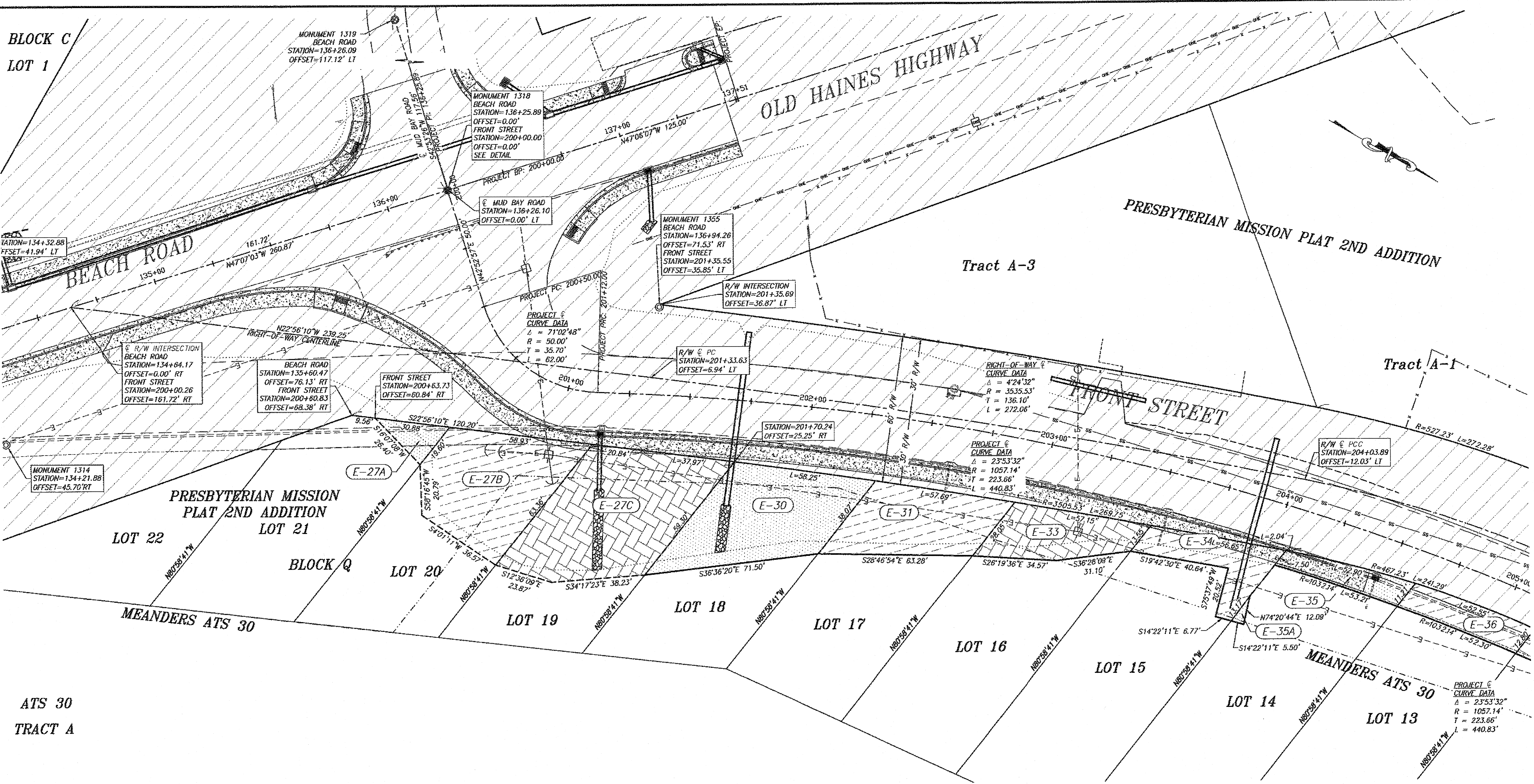
DATE	REVISIONS	BY
1/25/12	REVISE ESMT E-22	RJG
1/19/12	REVISE ESMT E-27A	RJG
1/13/12	REVISE ESMTS E-21, 22, & 23	RJG

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO. 69316
HAINES - BEACH ROAD WIDENING & FRONT
STREET INTERSECTION IMPROVEMENTS

DRAWN	RJG	DATE	05/2011	SCALE	1"=20'
CHECKED		DATE		SHEET	9 OF

OB
1-13-14

BLOCK C
LOT 1



EASEMENT	OWNER	AREA	PURPOSE	RECORDING DATA
E-27A	PORT CHILKOOT CO.	257 SF	GRADING	
E-27B	PORT CHILKOOT CO.	238.3 SF	GRADING	
E-27C	PORT CHILKOOT CO.	22.38 SF	GRADING	
E-30	HAINES BOROUGH	24.39 SF	GRADING	
E-31	HAINES BOROUGH	16.57 SF	GRADING	
E-33	HAINES BOROUGH	11.39 SF	GRADING	
E-34	HAINES BOROUGH	905 SF	HIGHWAY EASEMENT	
E-35	HAINES BOROUGH	506 SF	HIGHWAY EASEMENT	
E-35A	HAINES BOROUGH	33 SF	HIGHWAY EASEMENT	
E-36	HAINES BOROUGH	635 SF	HIGHWAY EASEMENT	



MONUMENT 1318
BRASS CAP
NOT TO SCALE

DATE	1/19/12	REVISIONS	REVISE ESMT'S 27A, B & C, 30, 31 & 33	BY	RJG
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES RIGHT OF WAY MAP ALASKA PROJECT NO. 69316 HAINES - BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS					
DRAWN	RJG	DATE	05/2011	SCALE	1"=20'
CHECKED		DATE		SHEET	10 OF

1-13-14

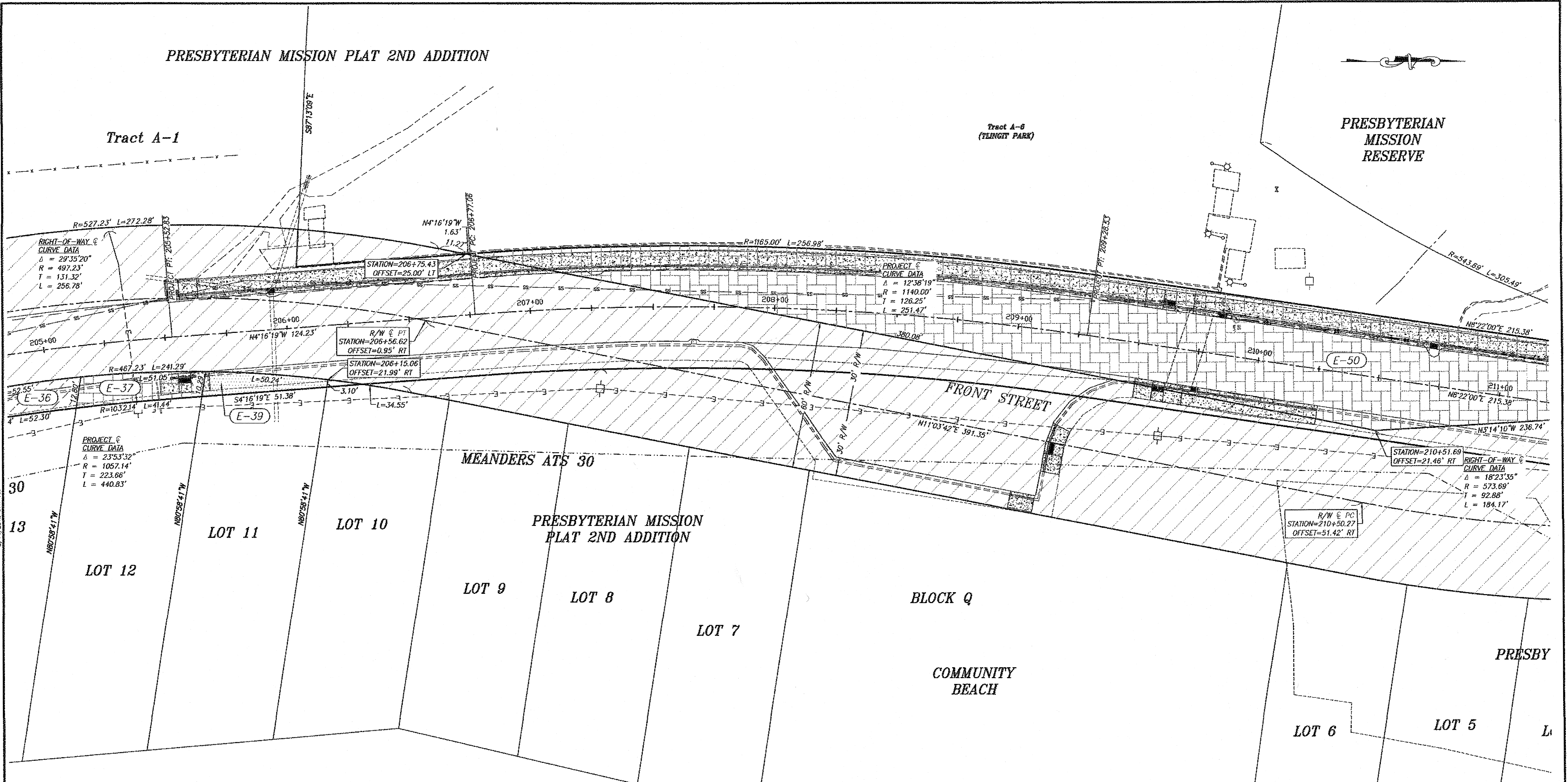
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PRESBYTERIAN MISSION PLAT 2ND ADDITION

Tract A-1

Tract A-6
(TELANGIT PARK)

PRESBYTERIAN
MISSION
RESERVE



5/14/2012 8:43 AM

D:\HAINES\8931\REVIEWS\FINAL\BEACH\HAINES\PROJECT_STREET_IMPROVEMENTS

EASEMENT	OWNER	AREA	PURPOSE	RECORDING DATA
E-37	HAINES BOROUGH	591 SF	HIGHWAY EASEMENT	
E-39	HAINES BOROUGH	357 SF	HIGHWAY EASEMENT	
E-50	HAINES BOROUGH	17120 SF	HIGHWAY EASEMENT	

DATE	REVISIONS	BY

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
&
PUBLIC FACILITIES
RIGHT OF WAY MAP
ALASKA PROJECT NO. 69316
HAINES - BEACH ROAD WIDENING & FRONT
STREET INTERSECTION IMPROVEMENTS

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CHECKED		DATE		SHEET	11 OF

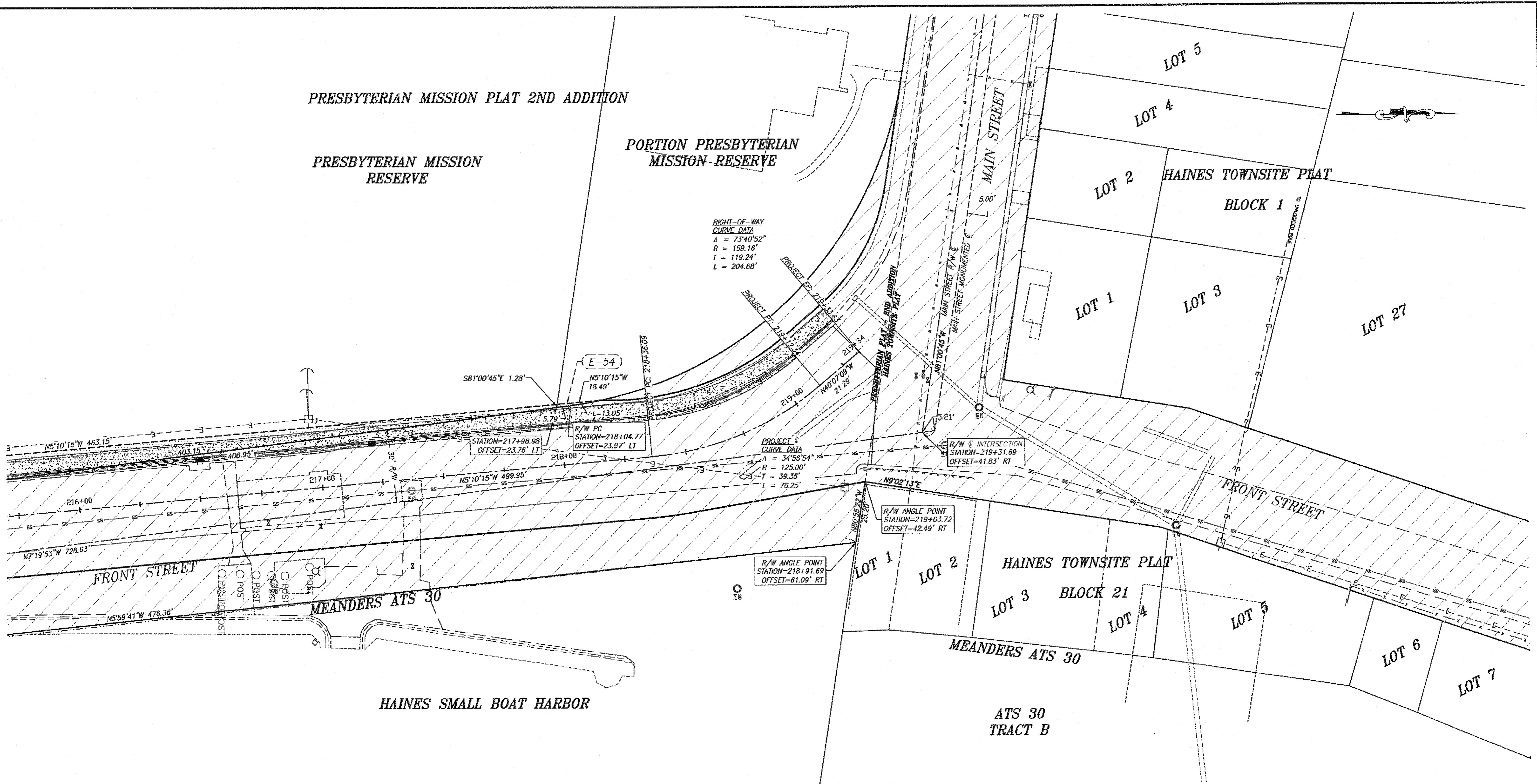
JB
1-13-14

PRESBYTERIAN MISSION PLAT 2ND ADDITION

PRESBYTERIAN MISSION RESERVE

PORTION PRESBYTERIAN MISSION RESERVE

RIGHT-OF-WAY CURVE DATA
 $\Delta = 73^{\circ}40'52''$
 $R = 159.16'$
 $T = 119.24'$
 $L = 204.68'$



5/14/2012 8:48 AM

D:\LAND\58145\DWG\PROJ\REC'D\5\DWG\STREET_08.DWG

EASEMENT	OWNER	AREA	PURPOSE	RECORDING DATA
E-52	HAINES PRESBYTERIAN CHURCH	5710 SF	HIGHWAY EASEMENT	
E-54	HAINES BOROUGH	14 SF	HIGHWAY EASEMENT	

DATE	REVISIONS	BY

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 &
 PUBLIC FACILITIES
 RIGHT OF WAY MAP
 ALASKA PROJECT NO. 69316
 HAINES - BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS

DRAWN	RJG	DATE	05/2011	SCALE	1"=20'
CHECKED		DATE		SHEET	13 OF

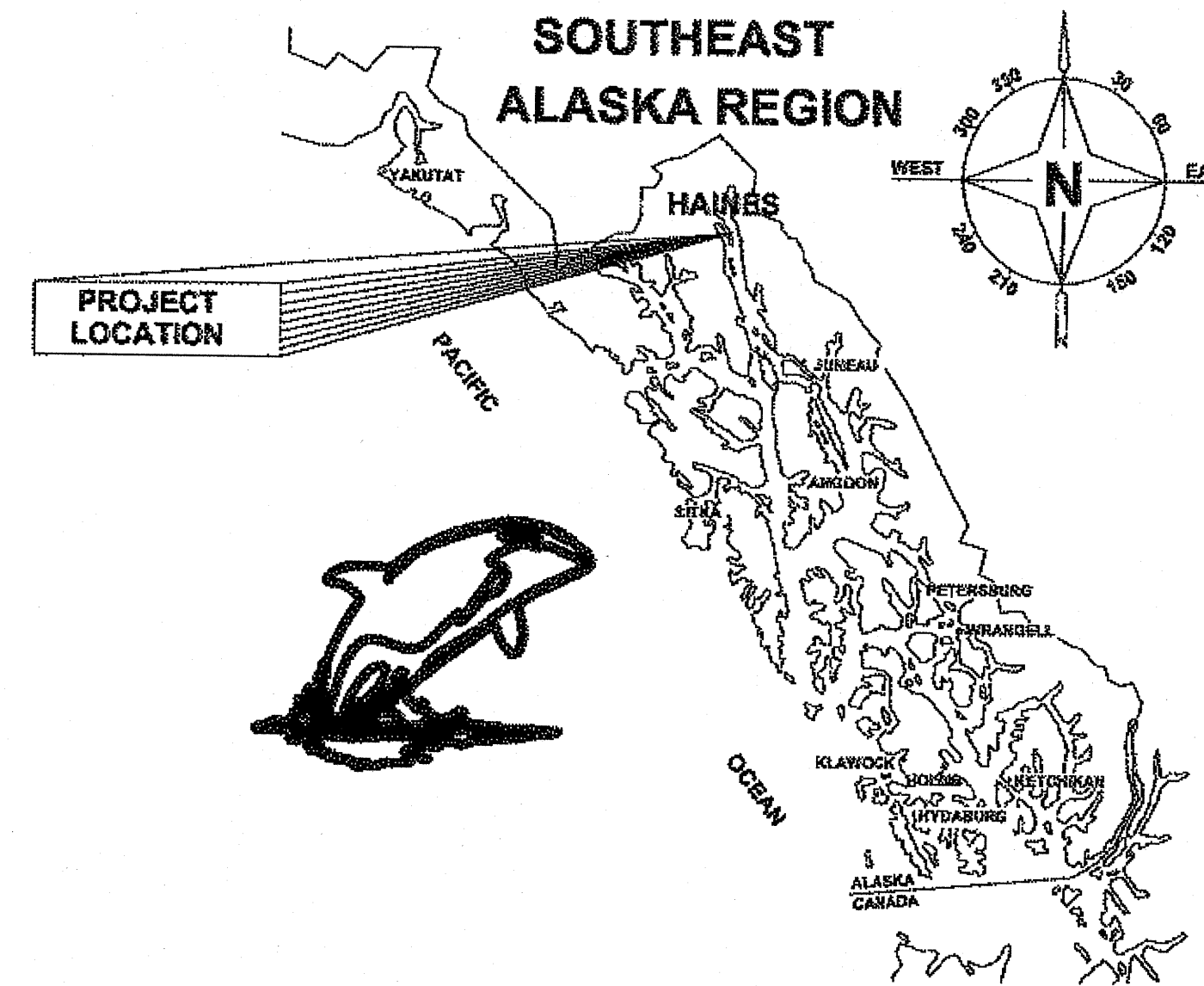
03
1-13-14

State of Alaska

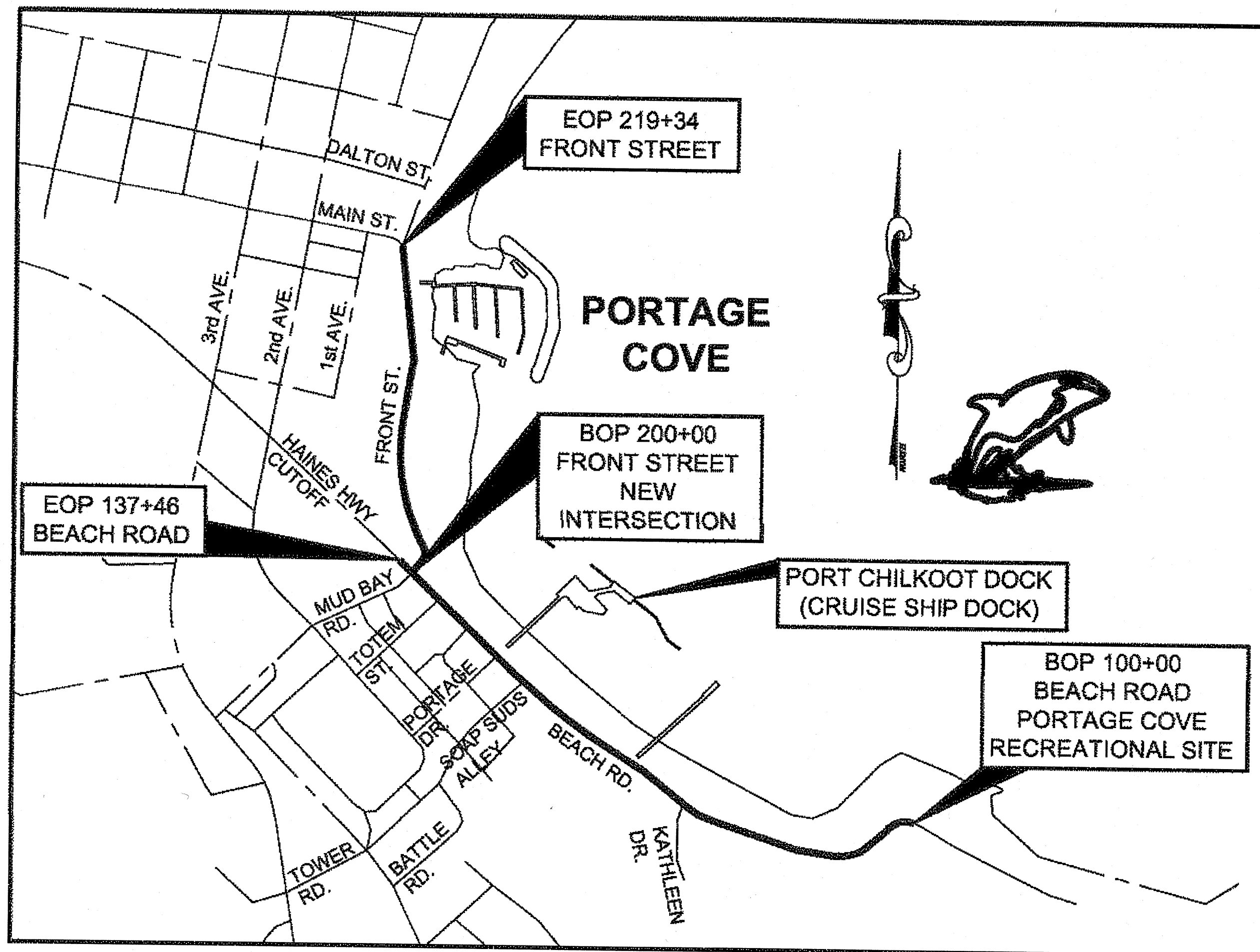
Department of Transportation
and Public Facilities
Southeast Region

HAINES, ALASKA BEACH ROAD & FRONT STREET

BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT NO. 69316



INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
B1-B4	TYPICAL SECTIONS
C1-C5	ESTIMATE OF QUANTITIES
D1-D2	SIGN SUMMARY
F1-F12	PLAN SHEETS
F5-F6	PLAN & PROFILE (BEACH ROAD) SHEETS
F9	PLAN & PROFILE (FRONT STREET) SHEET
F13	FRONT STREET INTERSECTION SHEET
J1-J7	MISC DETAILS
P1-P12	EROSION AND SEDIMENT CONTROL PLANS
P13-P14	EROSION AND SEDIMENT CONTROL DETAILS
R1-R12	SIGNING & STRIPING PLAN
S1-S3	CONSTRUCTION PHASING PLAN
T1-T2	TRAFFIC CONTROL PLAN



VICINITY MAP

DESIGN DESIGNATION (FRONT STREET)

A.D.T. 2009	=	320
A.D.T. 2033	=	360
D.H.V. (14.2%) 2033	=	50
% T	=	9.9%
V	=	25 M.P.H.
E.A.L.	=	50,000

DESIGN DESIGNATION (BEACH ROAD)

A.D.T. 2009	=	1180
A.D.T. 2033	=	1320
D.H.V. (14.2%) 2033	=	190
% T	=	9.9%
V	=	25 M.P.H.
E.A.L.	=	200,000

PROJECT SUMMARY

LENGTH OF PROJECT	=	.71 MILES (BEACH RD.)
LENGTH OF PROJECT	=	.39 MILES (FRONT ST.)
LENGTH OF RESURFACING	=	.71 MILES (BEACH RD.)
LENGTH OF RESURFACING	=	.39 MILES (FRONT ST.)
WIDTH OF RESURFACING	=	27' & 34' FT (BEACH RD.) 30' FT (FRONT ST.)

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-22.01	I-20.13	S-00.10	T-20.02
C-04.12	D-23.01	I-21.01	S-01.00	T-21.02
C-05.10	D-24.00	I-81.00	S-05.01	T-23.00
D-01.02	D-26.02	M-18.01	S-30.03	
D-04.21		M-16.01		

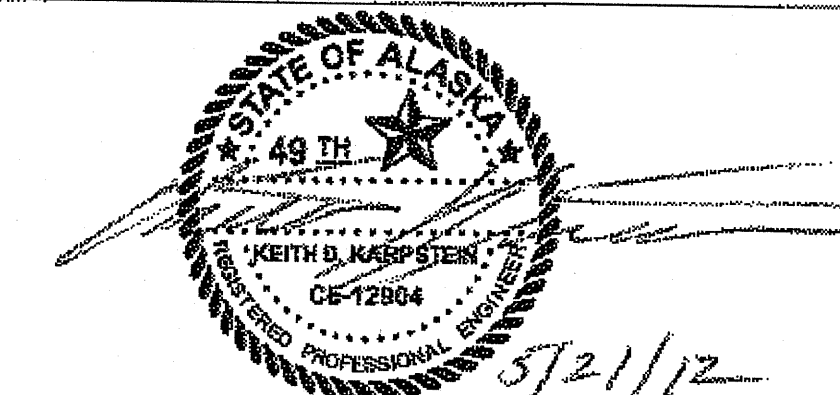
CDS MILE POINT	CDS ROUTE #	START	END
FRONT STREET	298010	0.570	0.960
CDS MILE POINT	CDS ROUTE #	START	END
BEACH ROAD	298020	0.635	1.345

PATH: Q:\HNS\69316\ENDDWG'S\PLANSET\A1_TITLE SHEET.DWG TAB:A1

Thursday, January 27, 2011 12:54:59 PM

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION



APPROVED: *Chuck Correa* 5/29/12
REGIONAL PRE-CONSTRUCTION ENGINEER DATE
CHUCK CORREA, P.E.

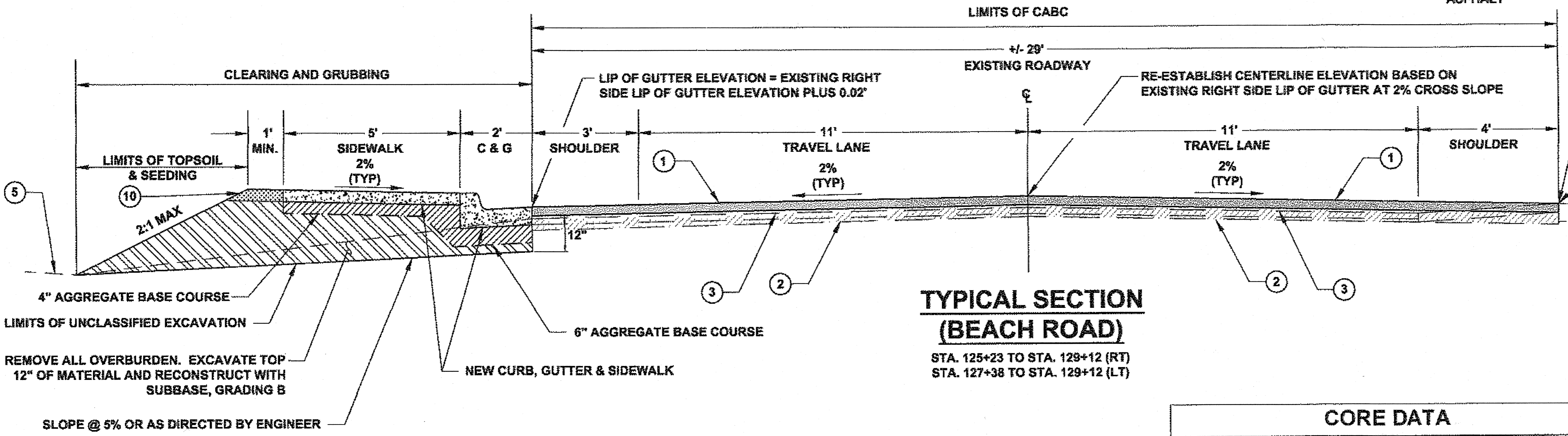
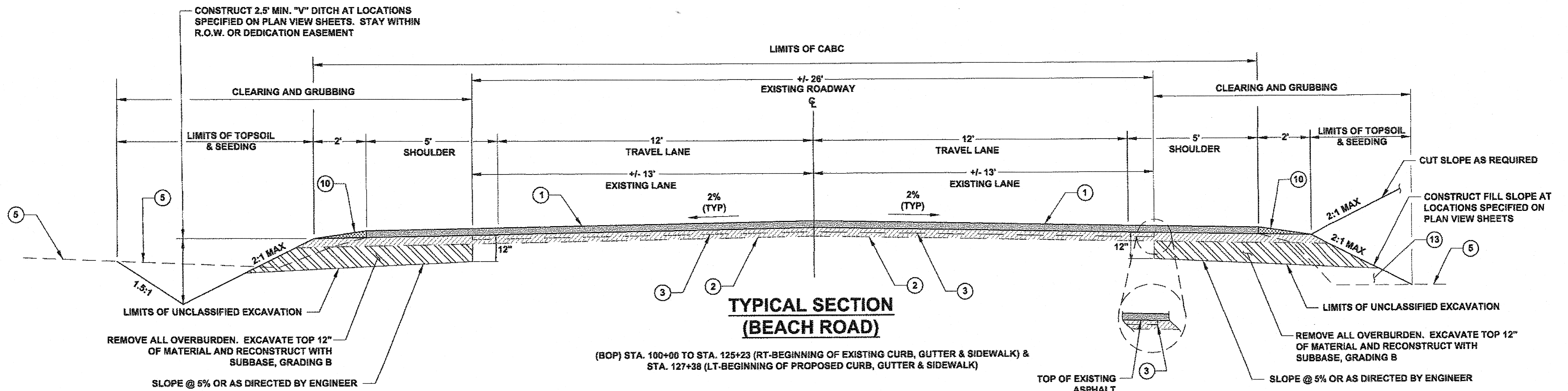
APPROVED: *Albert H. Clough* 5/29/12
DIRECTOR, SOUTHEAST REGION DATE
ALBERT H. CLOUGH, CPG

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

CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	69316	2012	A1	110

1-13-14



- TYPICAL SECTION NOTES:**
1. CONSTRUCT SHOULDERS WITH SUBBASE, GRADING B AS SHOWN PRIOR TO PULVERIZING ACTIVITIES AND IN ORDER TO CONSTRUCT THE CURB, GUTTER & SIDEWALK, AND THE CAB 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 4 INCHES OR FULL DEPTH OF EXISTING ASPHALT, WHICHEVER IS GREATER, WHICH INCLUDES EXISTING PAVEMENT AND BASE MATERIAL. PULVERIZING TO CONSTRUCT CAB SHALL BE PAID FOR UNDER ITEM 308(1).
 4. CONTRACTOR SHALL ADD AGGREGATE FOR CAB, IF REQUIRED, TO MEET A SMOOTH AND UNIFORM GRADE. THE ENGINEER SHALL APPROVE GRADE PRIOR TO PAVING ACTIVITIES.
 5. AGGREGATE FOR CAB SHALL BE RAM GENERATED FROM THE PROJECT BY COLD PLANING.

- LEGEND**
- ① 3" ASPHALT CONCRETE, TYPE II, CLASS B
 - ② 4" CRUSHED ASPHALT BASE COURSE
 - ③ EXISTING PAVEMENT
 - ④ 4" AGGREGATE BASE COURSE, GRADING D-1
 - ⑤ EXISTING GROUND
 - ⑥ STE-1 TACK COAT
 - ⑦ 2" ASPHALT TREATED BASE (ATB)
 - ⑧ EXISTING CRUSHED BASE COURSE
 - ⑨ 2" ASPHALT CONCRETE, TYPE II, CLASS B
 - ⑩ LINEAR GRADING
 - ⑪ BORROW, TYPE A
 - ⑫ SUBBASE, GRADING B
 - ⑬ SELECTED MATERIAL, TYPE C

CORE DATA			
CORE DESIGNATION	STATION	OFFSET	ASPHALT THICKNESS
BEACH ROAD			
11-01	100+03	7' RT	2"
11-02	105+20	6' LT	1.8"
11-03	108+08	5' RT	1.8"
11-04	115+25	8' RT	1.8"
11-05	120+17	8' RT	1.6"
11-06	124+71	6' LT	1.4"
11-07	126+80	8' LT	1"
11-30	128+80	3' RT	1.2"
11-26	127+45	3' LT	1.8"
11-27	127+45	3' RT	3"
11-28	128+07	4' RT	4.2"
11-29	128+07	7' LT	4.2"
11-08	130+30	8' RT	3.6"
11-09	132+73	8' RT	3"
FRONT STREET			
11-10	200+27	200' RT	4.2"
11-11	201+40	5' RT	2.4"
11-12	216+24	2' LT	2.8"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

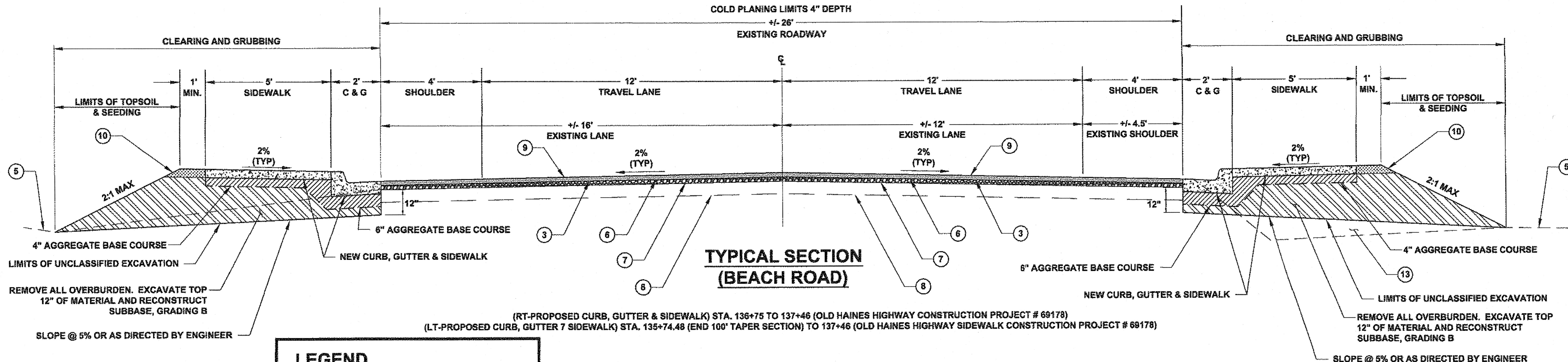
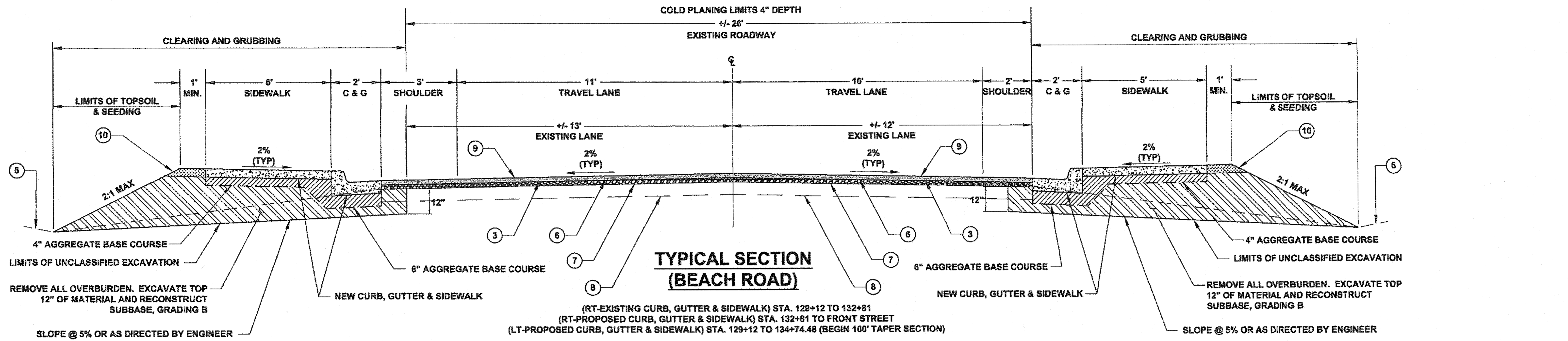
HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

TYPICAL SECTIONS

PATH: Q:\HNS\69316\ENDOU'S PLANSET\69316_B_TYPICAL.DWG
 TAB: B1 Monday, May 14, 2012 8:25:15 AM MULLINER, DOUGLAS J. (DOT)

NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69316	2012	B1	110


BS 1-13-14



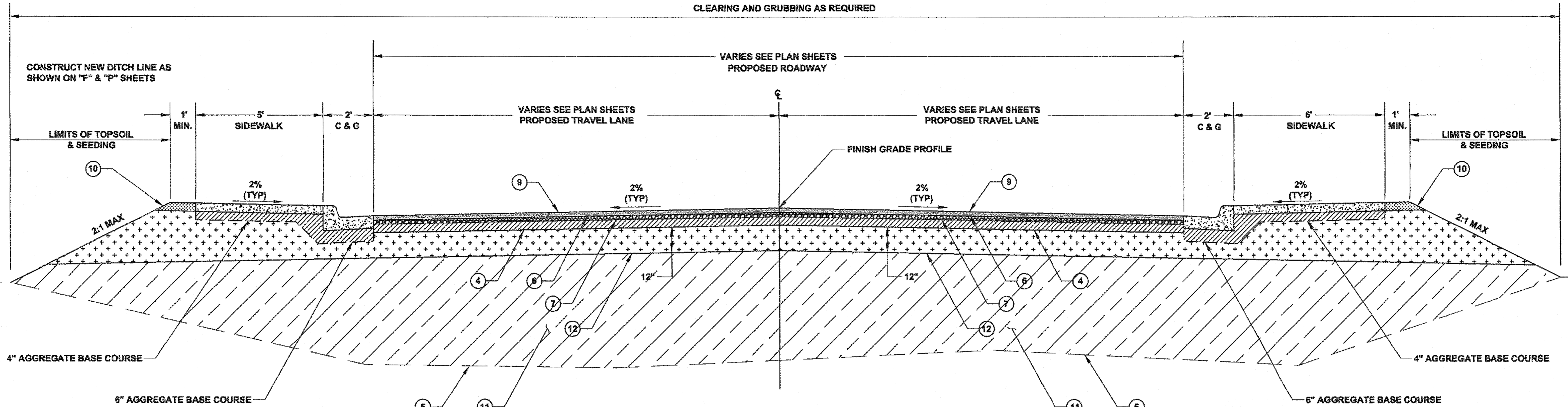
LEGEND

- ① 3" ASPHALT CONCRETE, TYPE II, CLASS B
- ② 4" CRUSHED ASPHALT BASE COURSE
- ③ EXISTING PAVEMENT
- ④ 4" AGGREGATE BASE COURSE, GRADING D-1
- ⑤ EXISTING GROUND
- ⑥ STE-1 TACK COAT
- ⑦ 2" ASPHALT TREATED BASE (ATB)
- ⑧ EXISTING CRUSHED BASE COURSE
- ⑨ 2" ASPHALT CONCRETE, TYPE II, CLASS B
- ⑩ LINEAR GRADING
- ⑪ BORROW, TYPE A
- ⑫ SUBBASE, GRADING B
- ⑬ SELECTED MATERIAL, TYPE C

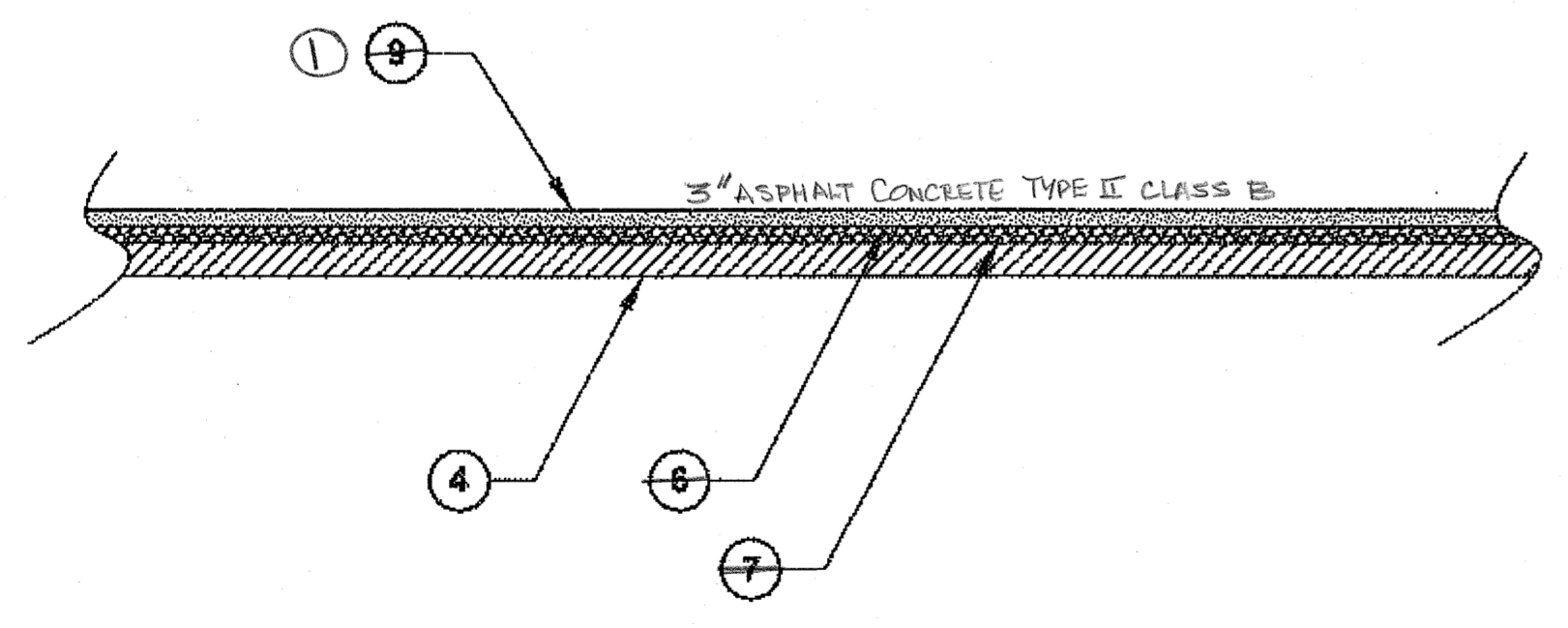
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316	
PATH: Q:\HNS\69316\ENVELOUG'S PLANSET\69316_B_TYPICAL.DWG TAB: B2 Monday, May 14, 2012 8:26:27 AM MULLINER, DOUGLAS J (DOT)		TYPICAL SECTIONS	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69316	YEAR 2012
		SHEET NO. B2	TOTAL SHEETS 110

B 1-13-14



**TYPICAL SECTION
(FRONT STREET)**
STA. 200+00 (BOP) TO STA. 200+36



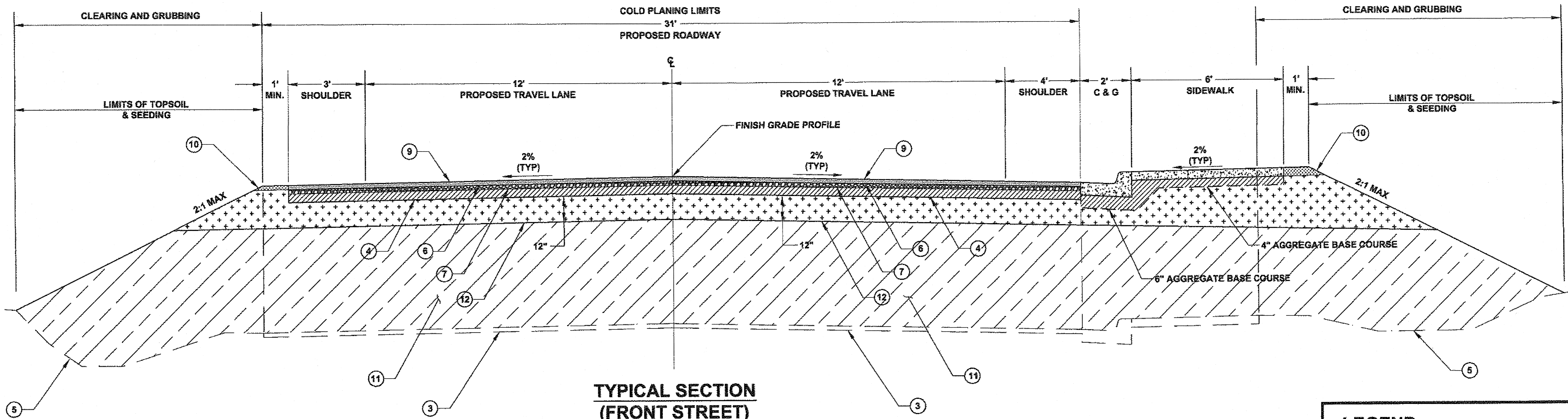
**TYPICAL SECTION
(FRONT STREET PAVED PARKING AREA)**
STA. 207+84 (RT) TO STA. 209+42 (RT)

- LEGEND**
- ① 3" ASPHALT CONCRETE, TYPE II, CLASS B
 - ② 4" CRUSHED ASPHALT BASE COURSE
 - ③ EXISTING PAVEMENT
 - ④ 4" AGGREGATE BASE COURSE, GRADING D-1
 - ⑤ EXISTING GROUND
 - ⑥ STE-1 TACK COAT
 - ⑦ 2" ASPHALT TREATED BASE (ATB)
 - ⑧ EXISTING CRUSHED BASE COURSE
 - ⑨ 2" ASPHALT CONCRETE, TYPE II, CLASS B
 - ⑩ LINEAR GRADING
 - ⑪ BORROW, TYPE A
 - ⑫ SUBBASE, GRADING B
 - ⑬ SELECTED MATERIAL, TYPE C

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

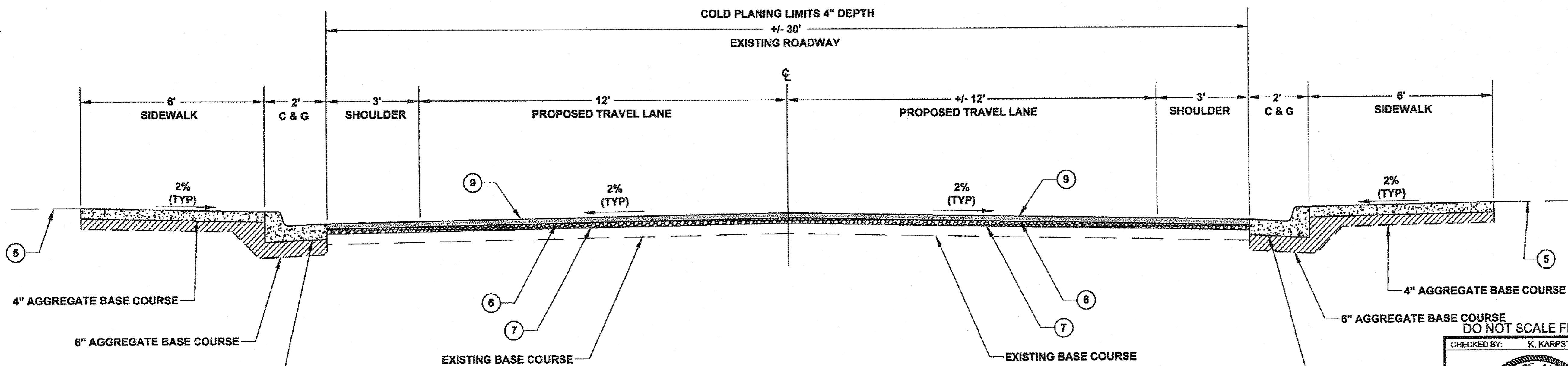
CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION																		
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316																		
PATH: Q:\HNS\69316\END\DOUG'S PLANSET\69316_B_TYPICAL.DWG TAB: B3 Monday, May 14, 2012 8:25:39 AM MULLINER, DOUGLAS J. (DOT)		TYPICAL SECTIONS																		
<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> <th rowspan="2">PROJECT DESIGNATION</th> <th rowspan="2">YEAR</th> <th rowspan="2">SHEET NO.</th> <th rowspan="2">TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td>69316</td> <td>2012</td> <td>B3</td> <td>110</td> </tr> </tbody> </table>		REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE	DESCRIPTION				69316	2012	B3	110		
REVISIONS			PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS										
NO.	DATE	DESCRIPTION																		
			69316	2012	B3	110														

B 1-13-14



**TYPICAL SECTION
(FRONT STREET)**

STA. 200+36 TO STA. 205+52



**TYPICAL SECTION
(FRONT STREET)**

STA. 205+52 TO EOP

LEGEND

- ① 3" ASPHALT CONCRETE, TYPE II, CLASS B
- ② 4" CRUSHED ASPHALT BASE COURSE
- ③ EXISTING PAVEMENT
- ④ 4" AGGREGATE BASE COURSE, GRADING D-1
- ⑤ EXISTING GROUND
- ⑥ STE-1 TACK COAT
- ⑦ 2" ASPHALT TREATED BASE (ATB)
- ⑧ EXISTING CRUSHED BASE COURSE
- ⑨ 2" ASPHALT CONCRETE, TYPE II, CLASS B
- ⑩ LINEAR GRADING
- ⑪ MODIFIED BORROW, TYPE A - CO NO. 1
- ⑫ SUBBASE, GRADING B
- ⑬ SELECTED MATERIAL, TYPE C

STA. 205+52 TO 219+34
REMOVE EXISTING CURB, GUTTER &
SIDEWALK & REPLACE WITH
PROPOSED CURB, GUTTER &
SIDEWALK 15' FROM PROPOSED
CENTER LINE WHERE INDICATED ON
PLANS

REMOVE EXISTING CURB, GUTTER & SIDEWALK &
REPLACE WITH PROPOSED CURB, GUTTER &
SIDEWALK +/- 15' FROM PROPOSED CENTER LINE
WHERE INDICATED ON PLANS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER			
DRAWN BY: D. MULLINER			
HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316			
TYPICAL SECTIONS			
PATH: Q:\HNS\69316\ENDDWG\PLANSET\69316_B_TYPICAL.DWG		MULLINER, DOUGLAS J (DOT)	
TAB: B4 Monday, May 14, 2012 8:25:50 AM			
REVISIONS	PROJECT DESIGNATION	YEAR	SHEET NO.
NO. DATE DESCRIPTION	69316	2012	B4
			TOTAL SHEETS
			110

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ESTIMATE OF QUANTITIES-BASIC BID

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201 (3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED ✓
202 (2)	REMOVAL OF PAVEMENT	SQUARE YARD	480 274
202 (3)	REMOVAL OF SIDEWALK	SQUARE YARD	1550 1,698
202 (4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	1527 1,431
202 (8)	REMOVAL OF INLET	EACH	44 14
202 (9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	2340 2,548
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	1552 791
203 (8)-A	BORROW, TYPE A - DELETED BY CD 3	TON	14782 - 0-
301 (1)	AGGREGATE BASE COURSE, GRADING D1	TON	1700 -0-
303 (3)	LINEAR GRADING	STATION	44 52
303 (4)	DITCH RECONDITIONING	LINEAR FOOT	474 504
304 (1)	SUBBASE, GRADING B	TON	4462 5,114
306 (1)	ATB	TON	2365 1,389
308 (1)	CRUSHED ASPHALT BASE COURSE	SQUARE YARD	4745 4,593
308 (2)	AGGREGATE FOR CABG	CUBIC YARD	580 178
401 (1)	ASPHALT CONCRETE, TYPE II, CLASS B	TON	2030 2,446
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	237 192
401 (6)	ASPHALT PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	9 2.50
408 (1)	ASPHALT COLD PLANING	SQUARE YARD	10333 10,433
603 (21)-12	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	107 118
603 (21)-18	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	788 854
603 (21)-24	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	618 619
603 (21)-30	30 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	77 ✓
603 (21)-36	36 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	175 174
603 (22)	PERMANENT CULVERT TRENCH PATCH	EACH	4 ✓
604 (3)	RECONSTRUCT EXISTING MANHOLE	EACH	1 ✓
604 (4)	ADJUST EXISTING MANHOLE	EACH	14 ✓
604 (5)	INLET, TYPE A	EACH	14 19
604 (8)	ADJUST EXISTING INLET FRAME AND GRATE	EACH	2 ✓
604 (9)	INLET FRAME AND GRATE REPLACEMENT	EACH	9 6
605 (6)-12	12 INCH PERFORATED CORRUGATED PE PIPE FOR UNDERDRAIN	LINEAR FOOT	20 31
606 (6)	REMOVING AND DISPOSING OF GUARDRAIL	LINEAR FOOT	65 66
608 (1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	1775 2,277
608 (1B)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	101 181
608 (6)	CURB RAMP	EACH	48 19
609 (2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	3380 3,621
611 (1)-1	RIPRAP, CLASS I	CUBIC YARD	110 133
615 (1)	STANDARD SIGN	SQUARE FOOT	222 228
618 (1)	SEEDING	ACRE	0.75 0.89
620 (1)	TOPSOIL	SQUARE YARD	3640 2,775
627 (10)	ADJUSTMENT OF VALVE BOX	EACH	5 1
639 (3)	DRIVEWAY	EACH	45 17
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED ✓
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	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	1 ✓
642 (9)	REFERENCE EXISTING MONUMENT	EACH	1 ✓
642 (10)	MONUMENT CASE	EACH	1 ✓
642 (11)	ADJUST EXISTING MONUMENT CASE	EACH	2 ✓
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 ✓
648 (1)	ARCHEOLOGICAL MONITOR	HOURLY	30 15
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED ✓

BASIS OF ESTIMATE - BASIC BID

ITEM NO.	ITEM	ESTIMATING FACTOR
201 (3B)	CLEARING AND GRUBBING	0.75 ACRES
203 (3)	UNCLASSIFIED EXCAVATION	1552 CY - ASSUME SUITABLE FOR SELECTED MATERIAL, TYPE C ESTIMATED 220 CY - SELECTED MATERIAL, TYPE C REQUIRED
203 (6)	BORROW	6427 CY, TYPE A 2.3 TONS/CY COMPACTED IN PLACE
301 (1)	AGGREGATE BASE COURSE GRADING D-1	2.5 TON/CY
304 (1)	SUBBASE, GRADING B	2.3 TON/CY
306 (1)	ATB	124 LBS/SY/IN
401 (1)	ASPHALT CONCRETE	124 LBS/SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	6% OF ITEM 401 (1) - 4.5% OF ITEM 306 (1)
402 (1)	STE-1 TACK COAT	0.1 GAL./S.Y. (243 GAL/TON)
408 (1)	ASPHALT COLD PLANING	1137 CY RAM GENERATED USEABLE FOR AGGREGATE FOR CRUSHED AGGREGATE BASE COURSE AND AGGREGATE BASE COURSE, GRADING D1

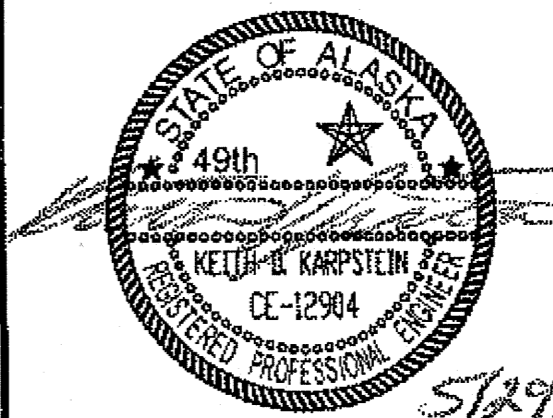
NEW ITEMS ESTABLISHED BY CHANGE ORDER

ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
633(2)	SEDIMENT BARRIER - C01	LINEAR FOOT	4640
604(3A)	NEW MANHOLE BARREL MODIFICATIONS - C02	LUMP SUM	ALL REQUIRED
203(6B)	MODIFIED BORROW TYPE A - C03	TON	15,841
203(8A)	SOIL DISPOSAL - C04	LUMP SUM	ALL REQUIRED
203(3B)	ARCHEOLOGICAL EVALUATION - C04	LUMP SUM	ALL REQUIRED
605(6A)	6 INCH PERF. CORRUGATED HDPE UNDERDRAIN - C04	LINEAR FOOT	394
204(1A)	RELOCATION OF UTILITIES - C05	LUMP SUM	ALL REQUIRED

UTILITY COMPANY POINTS OF CONTACT

ELECTRIC	AP&T	DANNY GONCE	766-6500
TELEPHONE	AP&T	BRUCE MESSERSCHMIDT	766-6500
SEWER	HAINES BOROUGH CARLOS JIMENEZ	BRIAN LEMCKE	766-2257
WATER	HAINES BOROUGH CARLOS JIMENEZ	BRIAN LEMCKE	766-2257
CABLE	HAINES CABLE TV	PATTY CAMPBELL	766-2337

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION														
	HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316														
CHECKED BY: K. KARPSTEIN DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER	ESTIMATE OF QUANTITIES														
PATH: Q:\HNS\69316\END\DOUG'S PLANSET\69316_C_ESTIMATES OF SUMMARY.DWG TAB: C1 Tuesday, May 29, 2012 11:23:51 AM MULLINER, DOUGLAS J (DOT)															
<table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	REVISIONS DESCRIPTION				<table border="1"> <thead> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td align="center">69316</td> <td align="center">2012</td> <td align="center">C1</td> <td align="center">110</td> </tr> </tbody> </table>	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	69316	2012	C1	110
NO.	DATE	REVISIONS DESCRIPTION													
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS												
69316	2012	C1	110												

B 1-13-14

202(2) REMOVAL OF PAVEMENT			
STATION	OFFSET	AREA (SY)	REMARKS
208+72 ✓	-	34 ✓	CONCRETE PATCH
212+74 ✓	RT	43 14	CONCRETE PATCH
214+45 ✓	LT	43 12	CONCRETE PATCH
216+87 ✓	-	140 91	CONCRETE PATCH
217+36 ✓	RT	40 8	CONCRETE MANHOLE COLAR
219+34 ✓	-	42	CONCRETE PATCH
214+50 ✓	LT	1 ✓	CONCRETE PATCH
216+51 ✓	LT	3 ✓	CONCRETE PATCH
127+30	LT	11	CONCRETE PATCH
N/A	LT	47	PAVED APPROACHES IN NEW SIDEWALK

202(3) REMOVAL OF SIDEWALK				
OFFSET	STATION		AREA (SY)	REMARKS
	FROM	TO		
BEACH ROAD				
LT	129+22 ✓	129+29 ✓	8 11	BEACH RD. & PORTAGE DR. INTERSECTION
LT	129+52 ✓	129+73 ✓	41 ✓	BEACH RD. & PORTAGE DR. INTERSECTION
RT	131+70 12	131+80	7	
RT	132+46	132+56	7	
RT	132+84	204+144 6	467-641	BEACH RD. TO FRONT ST.
FRONT STREET				
RT	205+44	205+65 ✓	14 ✓	
RT	209+03	209+16	-8 0	
RT	209+17	209+20	45 20	
RT	209+50	210+26 14	51	
RT	211+79	211+95 ✓	14 ✓	
LT	206+52 ✓	219+34 ✓	920 909	


202(8) REMOVAL OF INLET		
STATION	OFFSET	REMARKS
BEACH ROAD		
121+83 ✓	20' LT	
128+73 ✓	24' LT	
129+23 ✓	22' LT	
129+71 ✓	19' LT	
131+75 ✓	14' LT	VALLEY GUTTER
133+32 ✓	22' RT	ABANDON ROAD SECTION
134+34 ✓	25' LT	
136+64 ✓	25' LT	
FRONT STREET		
201+14 ✓	14' RT	
202+60 ✓	16' RT	
203+53 ✓	16' RT	
214+50	LT	
210+72	LT	
209+95	LT	

202(4) REMOVAL OF CULVERT PIPE			
STATION	DIAMETER (IN)	LENGTH (FT)	REMARKS
BEACH ROAD			
104+81	24	60 60	
106+05	18 ✓	28 ✓	34' LT DRIVEWAY CULVERT (NOT A PART OF BASIC BID)
110+21	24 ✓	60 ✓	
114+30	24	60 51	
116+91	24 18	48 20	25' LT DRIVEWAY CULVERT (NOT A PART OF BASIC BID)
118+09	36 ✓	70 55	
121+80	18 ✓	50 ✓	INLET ATTACHED TO CB
121+94	24	80	NOT FOUND
122+21	48	32 10	LEFT IN PLACE 22' 40' LT DRIVEWAY CULVERT
122+96	12 ✓	26 25	19' LT DRIVEWAY CULVERT
123+13	18 ✓	48 ✓	
123+88	12	27 26	18' LT DRIVEWAY CULVERT
125+70	18 ✓	60 42	
127+09	18	40	
128+73	24 ✓	65 5	ABANDON IN PLACE ✓
129+44	24 ✓	30 33	(129+49) INLET SDMH TO OUTLET (129+35-NEW SDMH)
PORTAGE DRIVE INTERSECTION	12 ✓	27 28	(129+25) CB TO SDMH (129+49)
PORTAGE DRIVE INTERSECTION	12	23 ✓	(129+64) CB TO SDMH (129+49)
130+60	24 ✓	60 61	
130+75	18 ✓	20 ✓	23' LT DRIVEWAY CULVERT
131+75	18 ✓	25 ✓	
131+75	18 ✓	15 ✓	CB TO OUTLET
132+29	18	40 ✓	22' LT DRIVEWAY CULVERT (LUTAK LUMBER ENTRANCE)
132+50	18	60	
133+32	18 8	20 ✓	
134+26	36	101 ✓	
134+34 TO 136+64	24 ✓	230 ✓	24' LT
FRONT STREET			
201+14	8 ✓	12 ✓	
201+70	24 ✓	68 ✓	
202+60	8 ✓	16 ✓	
203+53	8 ✓	14 ✓	
203+89	24 18	72 ✓	

202(4) REMOVAL OF CULVERT PIPE			
STATION	DIAMETER (IN)	LENGTH (FT)	REMARKS
205+95	18"	50.0	IWA G
205+95	18"	48.0	IWA G

202(9) REMOVAL OF CURB & GUTTER				
OFFSET	STATION		LENGTH (LF)	REMARKS
	FROM	TO		
BEACH ROAD				
LT	129+22	129+29	42-0	BEACH RD. & PORTAGE DR. INTERSECTION
LT	129+52 ✓	129+73	54 ✓	BEACH RD. & PORTAGE DR. INTERSECTION
RT	130+65 12	130+65	10	
RT	131+70	131+80	10	
RT	132+47	132+57 71	40 259	
RT	132+84 71	204+144 6	720 693	BEACH RD. TO FRONT ST.
FRONT STREET				
RT	205+44 ✓	205+65 ✓	21	
RT	209+03	209+16	-12	
RT	209+17	209+20	22 21	
RT	209+50	210+26 14	76	
RT	211+79 ✓	211+95 ✓	21 ✓	
LT	205+52 ✓	219+34 ✓	1380 1369	

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION							
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316							
ESTIMATE OF QUANTITIES									
PATH: Q:\HNS\69316\BENDOUIG'S PLANSET\69316_C_ESTIMATES OF SUMMARY.DWG TAB: C2 Monday, May 14, 2012 8:28:41 AM MULLINER, DOUGLAS J. (DOT)									
REVISIONS <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				PROJECT DESIGNATION 69316	YEAR 2012
NO.	DATE	DESCRIPTION							
SHEET NO. C2		TOTAL SHEETS 110							

B 1-13-14

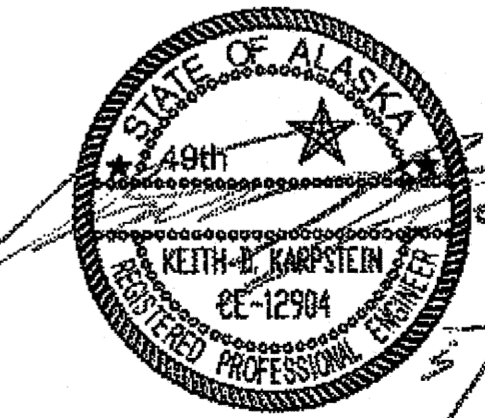
603 CULVERT INSTALLATION										
PIPE	INLET			OUTLET			LENGTH (FT)	SIZE	REMARKS	APPROX GRADE
	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT				
BEACH ROAD										
P-1	104+84	28'	29.80	104+77	30'	26.90	56'	24" CPP		4.82%
P-2	106+34	25'	28.50	106+39	28'	27.20	53'	24" CPP		2.45%
P-3	109+18	23.5'	29.50	109+38	23.5'	29.10	20'	18" CPP	DRIVEWAY CULVERT (NOT A PART OF BASIC BID)	2.00%
P-4	110+26	25'	26.67	110+12	40'	23.20	65.4.7	24" CPP		5.34%
P-5	113+79	25'	30.91	114+35	28.4'	28.30	77'	30" CPP		3.39%
P-6	116+80	25.6'	31.90	117+00	24.4'	31.50	20'	18" CPP	DRIVEWAY CULVERT (NOT A PART OF BASIC BID)	2.00%
P-7	118+07	30'	26.24	118+12	35'	22.00	66.4.4	38" CPP		6.52%
P-8	S-1	21.4'	29.14	121+77	29'	27.40	50'	24" CPP	FIELD CATCH BASIN (S-1)	3.48%
P-9	122+08	45'	33.00	S-1	22'	29.14	34.4.0	18" CPP		11.35%
P-10	122+81	23.5'	31.30	123+11	26.5'	29.30	30.3.3	18" CPP	DRIVEWAY CULVERT	6.67%
P-11	123+14	25'	29.26	123+12	34'	26.10	59'	24" CPP		5.36%
P-12	124+08	23.5'	32.30	123+68	23.5'	31.50	40'	18" CPP	DRIVEWAY CULVERT	2.00%
P-13	125+69	24'	31.60	125+70	22' ±	29.16 ±	46.4.1	18" CPP	CONTRACTOR TO VERIFY PIPE SIZE, TYPE, LOCATION & INVERT ELEVATION	5.30%
P-14	127+09	28'	31.44	127+09	16' ±	30.84 ±	44.4.2	24" CPP	TIE INTO EXISTING CATCH BASIN, CONTRACTOR TO VERIFY INVERT ELEVATION AT CATCH BASIN	1.36%
P-15	S-2	23.5	32.41	S-3	15'	31.62	7.8.0	12" CPP	S-2 TO S-3	11.29%
P-16	S-3	15'	31.62	129+49 (SDMH)	10'	30.82	42'	12" CPP		1.90%
P-17	S-4	15'	31.86	129+49 (SDMH)	10'	31.42	22.24.5	12" CPP		2.00%
P-18	129+49 (SDMH)	10'	31.17	129+35	SDMH	30.43	32.3.3	24" CPP	TIE INTO EXISTING SDMH (VERIFY I.E.)	2.31%
P-19	S-5	22'	31.22	130+61	38'	30.48	60'	24" CPP	ADJUSTED OUTLET INVERT DUE TO ABANDONED FUEL LINES	1.73%
P-20	130+84	22.08'	33.40	S-5	-	32.00	24.3.1	12" CPP	CONNECTS TO PERFORATED PIPE SECTION	5.83%
P-21	S-6 (VG)	17'	32.28	131+75	13'	32.04	30'	18" CPP		0.80%
P-22	131+75	15'	31.70	131+75	27'	31.20	14.2.1	18" CPP		3.57%
P-23	132+09	25'	32.60	S-7	24'	31.40	48.4.9	18" CPP	DW CULVERT (LUTAK LUMBER ENTRANCE)	2.50%
P-24	132+56	29'	34.05	S-7	16'	31.40	12'	18" CPP		22.08%
P-25	132+56	15'	31.40	132+60	40'	30.27	55'	24" CPP		2.05%
P-26	134+37	30'	36.30	134+04	74'	30.13	110'	36" CPP		5.61%
P-27	S-8	-	38.35	134+43	30'	38.09	14.1.5	18" CPP		1.86%
P-28	S-9	-	44.52	S-8	-	38.35	128.1.3.1	18" CPP		4.82%
P-29	S-11	-	47.35	S-9	-	44.52	100.1.0.2	18" CPP		2.83%
P-30	S-10	34.75'	47.75	S-11	18'	47.35	20.2.3	18" CPP		2.00%
P-31	S-14	-	51.41	S-11	-	47.35	74.7.6	18" CPP		5.49%
P-32	S-13	-	51.65	S-14	-	51.41	12'	12" CPP		2.00%
P-33	S-12	18'	50.41	137+02	33'	50.00	20.3.3	18" CPP		2.05%
FRONT STREET										
P-34	S-14	16'	42.68	201+13.45	38'	42.32	18.2.1	18" CPP		2.00%
P-35	201+72	28'	35.40	201+68	44'	33.92	72.74.5	24" CPP		2.06%
P-36	202+94	27'	32.65	203+34	26'	31.85	40	18" CPP	DRIVEWAY CULVERT, ADJUSTED DUE TO WELL CASING	2.00%
P-37	203+88	25'	30.50	203+90	47'	27.10	72	24" CPP	ADJUSTED INLET INVERT DUE TO ABANDONED FUEL LINES	4.72%
NOTE: CONTRACTOR SHOULD VERIFY EXISTING BURIED CULVERT DEPTHS.										
N/A	205+50	LT	32.46	S-24	LT	48	18"			
N/A	205+95	LT	32.22	205+95	RT	29.5	54	18"		

604(3) RECONSTRUCT EXISTING MANHOLE		
STATION	OFFSET	REMARKS
FRONT STREET		
202+57	15' LT	

604(4) ADJUST EXISTING MANHOLE		
STATION	OFFSET	REMARKS
BEACH ROAD		
104+10	18' RT	NOT A PART OF BASIC BID
110+13	6' LT	NOT A PART OF BASIC BID
114+19	3' RT	NOT A PART OF BASIC BID
117+57	10' LT	
121+59	9' LT	
127+20	21' LT	STREET INTERSECTION OF BEACH ROAD AND SOAP SUDS ALLEY
128+56	9' RT	
129+49	10' LT	
129+53	15' LT	
130+38	24' LT	NOT ADJUSTED ADJUST DUE TO NEW SIDEWALK INSTALLATION
131+74	23' LT	STREET INTERSECTION OF BEACH ROAD AND TOTEM STREET
134+10	25' LT	STREET INTERSECTION OF BEACH ROAD AND BLACKSMITH STREET
FRONT STREET		
205+85	20' LT	FALLS IN SIDEWALK
209+83	22' LT	FALLS IN SIDEWALK
209+88	15' LT	FALLS IN SIDEWALK
213+62	6' RT	
217+36	5' RT	

605(6)-12 12 INCH PERFORATED CORRUGATED PE PIPE FOR UNDERDRAIN										
PIPE	INLET			OUTLET			LENGTH (FT)	SIZE	REMARKS	APPROX GRADE
	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT				
BEACH ROAD										
1	131+10	22.08'	33.75	130+84 (P-20)	22.08'	33.40	26.3.1	12" PERFORATED PIPE	EXTENDED FOR DRAINAGE	1.35%

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION
	HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316
DESIGNED BY: D. MULLINER	ESTIMATE OF QUANTITIES
DRAWN BY: D. MULLINER	
PATH: Q:\HNS\69316\ENDDWG\PLANSET\69316_C_ESTIMATES OF SUMMARY.DWG	
TAB: C3 Monday, May 14, 2012 8:26:52 AM MULLINER, DOUGLAS J (DOT)	
REVISIONS	PROJECT DESIGNATION
NO. DATE DESCRIPTION	69316
	YEAR
	2012
	SHEET NO. C3
	TOTAL SHEETS 110

B 1-13-14

604(5) INLET, TYPE A					
STRUCT. NO.	STATION	OFFSET	TOP BACK OF CURB ELEV./FIELD INLET GRATE ELEV.	STRUCT. TYPE	REMARKS
BEACH ROAD					
S-1/	121+83	21.4' LT	32.10 (TOP OF GRATE ELEV.)	A	FIELD INLET FRAME & GRATE (SET WITHIN R.O.W.) (GRATE STYLE PER STD. DWG. D-22.01)
S-2/	129+07.45	23.4' LT	35.76 (TOP OF GRATE ELEV.)	A	FIELD INLET FRAME & GRATE (GRATE STYLE PER STD. DWG. D-22.01)
S-3/	129+07.45 (CL TBC)	16' LT	35.92	A	NO-SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-4/	129+72.20 (CL TBC)	16' LT	35.57	A	NO-SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-5/	130+60	23' LT	35.45 (TOP OF GRATE ELEV.)	A	FIELD INLET FRAME & GRATE (24' FROM CL TO ROW) (GRATE STYLE PER STD. DWG. D-22.01)
S-6/	131+78.62 (CL VG)	17' LT	34.88 (CL VG GRATE)	A	VALLEY GUTTER INLET
S-7/	132+56 (CL TBC)	16' LT	35.93	A	NO-SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-8/	134+43	16' LT	41.60	A	NO-SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-9/	135+73 (CL TBC)	18' LT	49.02	A	NO-SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-10/	136+62	34.75' LT	50.00	A	FIELD INLET FRAME & GRATE (GRATE STYLE PER STD. DWG. D-22.01)
S-11/	136+75 (CL TBC)	18' LT	53.33	A	NO-SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-12/	137+07 (CL TBC)	18' RT	54.67	A	NO-SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-13/	137+42	24' LT	55.15 (LIP OF GUTTER)	A	GUTTER PAN FRAME & GRATE (GRATE STYLE PER STD. DWG. D-22.01)
S-14/	137+50	18' LT	55.75	A	NO-SUMP (GRATE STYLE PER STD. DWG. D-22.01)
FRONT STREET					
S-15/	201+13.60 (CL TBC)	16' RT	46.67	A	CURB INLET
CATCH BASIN NOTES					
1. ENTIRE KNOCKOUT IS TO BE REMOVED AND SEALED SHUT AROUND PIPE. ALL PIPES ARE TO EXTEND MIN. 1" AND MAX. 2" INTO CATCH BASIN. GROUT INTERIOR AND EXTERIOR BETWEEN FRAME, SECTIONS AND CATCH BASIN.					
2. GRATE MUST BE OF A TYPE THAT WILL NOT CREATE A HAZARD OF BICYCLE TRAFFIC.					
3. MINIMUM SLUMP DEPTH SHALL BE 18".					
4. ALL INVERT ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.					

604(8) ADJUST EXISTING INLET FRAME & GRATE		
STATION	OFFSET	REMARKS
FRONT STREET		
204+44	RT	
205+45	RT	
207+66	RT	68250 CITY MOA

604(9) INLET FRAME & GRATE REPLACEMENT		
STATION	OFFSET	REMARKS
BEACH ROAD		
130+17	RT	
131+75	RT	
FRONT STREET		
205+95	LT	NEW INLET BOX - INCIDENTAL
209+75	RT	
209+83	LT	
240+71	LT	NEW INLET BOX - INCIDENTAL
244+49	LT	NEW INLET BOX - INCIDENTAL
216+51	LT	
217+22	LT	

606(6) REMOVING AND DISPOSING OF GUARDRAIL			
STATION FROM	STATION TO	OFFSET	REMARKS
BEACH ROAD			
135+93	136+58	RT	66 66 LINEAR FEET

608(6) CURB RAMP		
STATION	OFFSET	REMARKS
BEACH ROAD		
127+53	LT	ONE WAY DIRECTIONAL
129+23	LT	PORTAGE DRIVE
129+56	LT	PORTAGE DRIVE
131+62	LT	ONE WAY DIRECTIONAL
131+94	LT	BLACKSMITH STREET
133+90	LT	TOTEM STREET
134+27	LT	TOTEM STREET
135+96	LT	MUD BAY ROAD
136+52	LT	MUD BAY ROAD
137+45	LT	MEDIAN ISLAND
FRONT STREET		
200+28	RT	
200+30	LT	
205+55	LT	
205+55	RT	MID-BLOCK RAMP
209+20	RT	MID-BLOCK RAMP
209+61	LT	MID-BLOCK RAMP
209+61	RT	MID-BLOCK RAMP
211+85	RT	ONE WAY DIRECTIONAL
137+01	LT	ONE-WAY DIRECTIONAL

608(1A) CONCRETE SIDEWALK 4 INCHES THICK					
STATION FROM	STATION TO	OFFSET	LENGTH (FT)	AREA (SY)	REMARKS
BEACH ROAD					
127+60	128+43	LT	83	46	SW COR. SOAP SUDS
128+94	128+09	LT	45	8	
129+68	-	LT	24 151	43 84	SE NW COR. PORTAGE DR.
129+70	130+04	LT	34	19	SW " "
130+30	130+64	LT	34	19	
130+65	130+65	RT	40 466	7 311	ENTER FRONT ST
130+88	131+44	LT	56	31	
131+64	132+06	LT	55 163	27 91	BLACKSMITH ST. VALLEY-GUTTER
131+70	131+80	RT	10	7	
132+08	132+12	LT	4	2	SW COR. BLACKSMITH ST.
132+47	132+67	RT	10	7	
132+54	133+75	LT	121 169	67 94	SE COR. TOTEM ST
132+80	133+00	RT	110	73	
134+26	135+58	RT	135	90	
134+40	135+83	LT	143	78	SW COR. TOTEM ST
136+04	-	LT	40	6 113	SE SW COR. MUD BAY ROAD
136+46	-	LT	40	6	SW NW COR. MUD BAY ROAD
136+64	136+94	LT	30	47 58	MATCH INTO PROJECT 69178
136+75	137+46	RT	66 53	37 29	MATCH INTO PROJECT 69178
FRONT STREET					
200+14	204+42	RT	402 592	268 395	SEE 68250 (BELOW)
205+64	209+60	LT	386	257	
209+03	209+15	RT	12	8	
209+70	210+27	RT	57	38	
209+70	219+34	LT	964	643 911	MATCH INTO PROJECT 69568
204+46	205+44	RT	98	30	68250 - CITY OF HAINES
205+65	208+25	RT	280	85	"
209+15	209+17	RT	20	6	"
209+20	209+50	RT	34	22	"
210+59	211+79	RT	120	80	"

608(1B) CONCRETE SIDEWALK 6 INCHES THICK					
(CL) STATION	OFFSET	DW WIDTH (FT)	6" CONC. WIDTH (FT)	AREA (SY)	REMARKS
BEACH ROAD					
128+69	LT	40 37	52	29	SHeltered Harbor Bldg
130+17	LT	14 12	28 27	14 15	HISTORICAL BUILDING
130+77	LT	14	28 29	14 16	PRIVATE
132+33	LT	30	42 45	23 25	LUTAK LUMBER
134+08	RT	24	36	20	PRESBYTERIAN MISSION
131+75	RT	21	36	24	
137+36	RT	25	40	27	
210+36.5	RT	30	45	30	HARBOR BOAT PARKING (68250)

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

ESTIMATE OF QUANTITIES

PATH: Q:\HNS\69316\EN\DOUG'S PLANSET\69316_C_ESTIMATES OF SUMMARY.DWG

TAB: C4 Monday, May 14, 2012 8:27:03 AM MULLINER, DOUGLAS J (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			69316	2012	C4	110

05 1-13-14

609(2) CURB & GUTTER, TYPE 1				
OFFSET	STATION		LENGTH (LF)	REMARKS
	FROM	TO		
BEACH ROAD				
LT	127+38 ✓	129+27 ✓	204.7	
LT	129+54 ✓	131+64 ✓	245.237	
RT	130+55.12	130+65.204+46	40-1.03	MARK 68250
RT	134+70	131+80	10-	
LT	134+90 ✓	133+96 ✓	232 ✓	
RT	132+47	132+57	10-	
RT	132+81	135+69	282-	
LT	134+22 ✓	136+04 ✓	214.12	
LT	136+43 ✓	137+08 ✓	86.8	
RT	136+66.75	137+46	82.7	
LT	137+34 ✓	137+48 ✓	32.12	MEDIAN ISLAND ✓
FRONT STREET				
RT	200+40-	204+42	440-	
RT	205+45.4	205+67.5	220	✓ MID-BLOCK RAMP
LT	205+51 ✓	219+34 ✓	1388.67	
RT	209+03 ✓	209+15 ✓	12 ✓	
RT	209+17 ✓	209+20 ✓	22.20	✓ MID-BLOCK RAMP
RT	209+50	210+26.13	76.64	
RT	211+79	211+95	21 ✓	
RT	204+46	211.79	591	68250 CITY MPA

627(10) ADJUSTMENT OF VALVE BOX		
STATION	OFFSET	REMARKS
BEACH ROAD		
106+02-	5' RT	NOT A PART OF BASIC BID
146+19	12' RT	POSSIBILITY OF PAVED OVER WV TO FIRE HYDRANT (NOT A PART OF BASIC BID)
129+29	9' RT	NOT FOUND POSSIBILITY OF PAVED OVER WV
FRONT STREET		
216+76 ✓	12' RT	
216+97	16' RT	
211+50 ✓	RT	

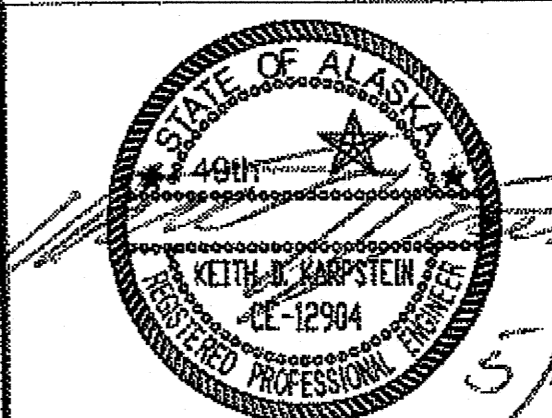
639(3) DRIVEWAY - EACH				
STATION	OFFSET	WIDTH	LENGTH	REMARKS
		(FT)	(FT)	
BEACH ROAD				
100+58	RT	32	36	PORTAGE COVE STATE RECREATION SITE PARKING AREA (NOT A PART OF BASIC BID)
101+06	LT	34	5-	NOT A PART OF BASIC BID
106+10	LT	34-	5-	NOT A PART OF BASIC BID
106+79	LT	14	5-	NOT A PART OF BASIC BID
107+45	LT	14	5-	NOT A PART OF BASIC BID
108+31	LT	14	5-	NOT A PART OF BASIC BID
110+75	LT	20	5-	NOT A PART OF BASIC BID
111+83	LT	20-	5-	NOT A PART OF BASIC BID
112+65	LT	34-	5-	NOT A PART OF BASIC BID
119+92 ✓	LT	34	5	HIGHLAND RESOURCES SUBDIVISION
122+09 ✓	LT	34	5	
122+96 ✓	LT	14	5	PRIVATE
123+88 ✓	LT	20	5	PRIVATE
124+08 ✓	RT	24	5	PORT CHIKOT SUBDIVISION
125+08 ✓	LT	95	5	BUSINESS
126+62 ✓	LT	50	5	BUSINESS
128+65 ✓	LT	46.32		BUSINESS SIDEWALK DRIVEWAY
130+17 ✓	LT	14 ✓		HISTORICAL BUILDING SIDEWALK DRIVEWAY
130+77 ✓	LT	42 ✓		PRIVATE SIDEWALK DRIVEWAY
132+33 ✓	LT	30 ✓		SIDEWALK DRIVEWAY (LUTAK LUMBER) ✓
134+08 ✓	RT	24 ✓		PREB. MISSION SIDEWALK DRIVEWAY
137+22 ✓	LT	24 ✓		BUSINESS ENTRANCE
FRONT STREET				
203+18 ✓	LT	40	18	BUSINESS
212+07 ✓	RT	24	8	SMALL BOAT HARBOR TRAILER PARKING
109+25	LT	12	10	PRIVATE
121+25	LT	12	10	CRUISE CRUISES
131+55	LT	20	10	PRIVATE
137+25	RT	25	10	QUICK SHOP
210+36	RT	30	10	68250

642(4) SET PRIMARY MONUMENT		
STATION	OFFSET	REMARKS
BEACH ROAD		
101+85	44.5' RT	SHOULDER MONUMENT CASE (NOT A PART OF BASIC BID)
105+50	44.5' LT	SHOULDER MONUMENT CASE (NOT A PART OF BASIC BID)
114+33	44.5' LT	SHOULDER MONUMENT CASE (NOT A PART OF BASIC BID)
122+50 ✓	14.5' RT	SHOULDER MONUMENT CASE

642(9) REFERENCE EXISTING MONUMENT		
STATION	OFFSET	REMARKS
BEACH ROAD		
133+65.01 ✓	CL	PI - CENTERLINE MON
133+91 ✓	39' RT	MONUMENT SET IN SIDEWALK, SAW CUT SIDEWALK AROUND MONUMENT AS SHOWN ON SHEET F7 AND LEAVE IN PLACE
136+25.89 ✓	CL	PI - CENTERLINE MON
FRONT STREET		
209+23.6 ✓	63.13' RT ✓	DOT/PF GPS (USACE 3.25" BC) MON SET IN SIDEWALK (DO NOT DISTURB WHEN INSTALLING ADA HANDI-CAP RAMP)

642(11) ADJUST EXISTING MONUMENT CASE		
STATION	OFFSET	REMARKS
BEACH ROAD		
133+65.01 ✓	CL	PI - CENTERLINE MON
136+25.89 ✓	CL	PI - CENTERLINE MON

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

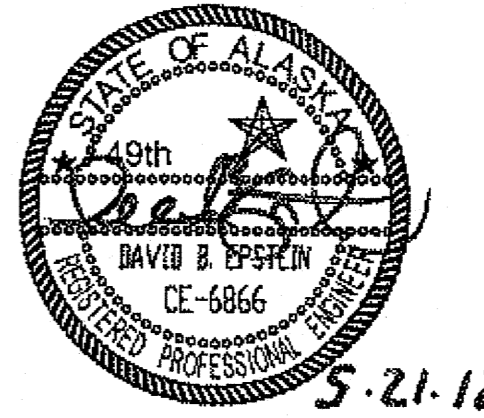
	CHECKED BY: K. KARPSTEIN STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION																	
HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316																		
ESTIMATE OF QUANTITIES																		
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER	PATH: Q:\HNS\69316\EN\DOUG'S PLANSET\69316_C_ESTIMATES OF SUMMARY.DWG TAB: C5 Monday, May 14, 2012 8:27:16 AM MULLINER, DOUGLAS J (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				<table border="1"> <thead> <tr> <th>PROJECT DESIGNATION</th> <th>YEAR</th> <th>SHEET NO.</th> <th>TOTAL SHEETS</th> </tr> </thead> <tbody> <tr> <td>69316</td> <td>2012</td> <td>C5</td> <td>110</td> </tr> </tbody> </table>	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	69316	2012	C5	110
REVISIONS																		
NO.	DATE	DESCRIPTION																
PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS															
69316	2012	C5	110															

BS 1-13-14

615 (1) STANDARD SIGN SUMMARY

SIGN #	LEGEND	STATION	OFFSET	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SQ FT)	POST	EMBEDMENT DEPTH	SIGN FACING	COMMENTS
BEACH ROAD											
1	SPEED LIMIT 25	103+23	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	WB	NOT A PART OF BASIC BID
2	PORTAGE COVE STATE RECREATION SITE (LEFT ARROW)	103+23	LT	D7-2	102	30	21.25	(2) 2.5 PST	4'-6"	EB	NOT A PART OF BASIC BID
3	SLOW CHILDREN AT PLAY	103+23	RT	-	-	-	0.00	-	-	WB	SIGN TO REMAIN (MOUNT ABOVE SIGN #1) (NOT A PART OF BASIC BID)
4	SLOW CHILDREN AT PLAY	114+62	LT	-	-	-	0.00	-	-	EB	SIGN TO REMAIN (NOT A PART OF BASIC BID)
5	STOP	115+43	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	NOT A PART OF BASIC BID
6	Kathleen Dr	115+43	LT	D3-1	36	8	2.00	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 4 (NOT A PART OF BASIC BID)
7	Beach Rd	115+43	LT	D3-1	30	8	1.67	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 5 (NOT A PART OF BASIC BID)
8	NO PARKING BEYOND THIS POINT	116+60	RT	R8-100	30	36	7.50	2.5 PST	4'-6"	EB	NOT A PART OF BASIC BID
9	SPEED LIMIT 25	117+03	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	WB	NOT A PART OF BASIC BID
10	SPEED LIMIT 25	117+03	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	EB	NOT A PART OF BASIC BID
11	NO PARKING	117+03	LT	R8-3	30	36	7.50	-	-	EB	MOUNT BELOW SIGN # 10 (NOT A PART OF BASIC BID)
12	NO PARKING	118+84	RT	R8-3	30	36	7.50	2.5 PST	4'-6"	EB	NEW SIGN INSTALLED REMOVE FROM POWER POLE AND MOUNT ON SIGN POST NOT FOUND
13	↑ HISTORIC FORT SEWARD 0.2 MI ↑ DOWNTOWN HAINES 0.6 MI ↑ VISITOR INFORMATION 0.6 MI	121+45	RT	-	-	-	0.00	-	-	WB	SIGN TO REMAIN
14	STOP	127+12	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	
15	Soap Suds AI	127+12	LT	D3-1	42	8	2.33	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 14
16	Beach Rd	127+12	LT	D3-1	30	8	1.67	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 15
17	PEDESTRIAN CROSSING	129+97	RT	W11-2A	36	36	9.00	2.5 PST	4'-6"	NB	
18	DIAGONAL PLATE LEFT (ARROW)	128+97	RT	W16-7PL	30	18	3.75	-	-	NB	MOUNT BELOW SIGN #17
19	STOP	129+19	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	
20	Portage Dr	129+19	LT	D3-1	30	8	1.67	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 19
21	Beach Rd	129+19	LT	D3-1	30	8	1.67	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 20
22	PEDESTRIAN CROSSING	129+78	LT	W11-2A	36	36	9.00	2.5 PST	4'-6"	SB	
23	DIAGONAL PLATE LEFT (ARROW)	129+78	LT	W16-7PL	30	18	3.75	-	-	SB	MOUNT BELOW SIGN # 22
24	STOP	131+61	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	
25	Blacksmith St	131+61	LT	D3-1	36	8	2.00	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 24
26	Beach Rd	131+61	LT	D3-1	30	8	1.67	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 25
27	ADOPT A HIGHWAY	132+75	RT	I-150	30	24	5.00	2.5 PST	4'-6"	WB	
28	THE HAINES BOROUGH SCHOOL DISTRICT STAFF	132+75	RT	I-150	30	12	2.50	-	-	WB	MOUNT BELOW SIGN # 27
29	SPEED LIMIT 25	133+31	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	EB	
30	NO PARKING	133+31	LT	R8-3	30	36	7.50	-	-	EB	MOUNT BELOW SIGN # 29
31	STOP	133+90	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	
32	Totem St	133+90	LT	D3-1	30	8	1.67	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 31
33	Beach Rd	133+90	LT	D3-1	30	8	1.67	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 32
34	STOP	135+92	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	
35	Mud Bay Rd	135+92	LT	D3-1	36	8	2.00	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 34
36	Beach Rd	135+92	LT	D3-1	30	8	1.67	-	-	NB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN # 35

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

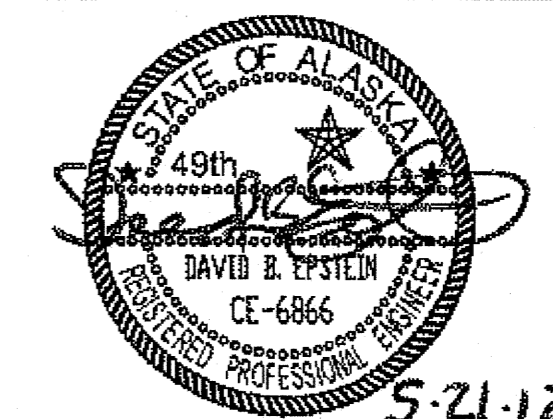
CHECKED BY: D. EPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316	
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		SIGN SUMMARY	
PATH: Q:\HNS\69316\EN\DOUG'S PLANSET\69316_D_SIGN SUMMARY.DWG TAB: D1 Monday, May 21, 2012 1:37:56 PM MULLINER, DOUGLAS J (DOT)			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69316	YEAR 2012
		SHEET NO. D1	TOTAL SHEETS 110

BS 1-13-14

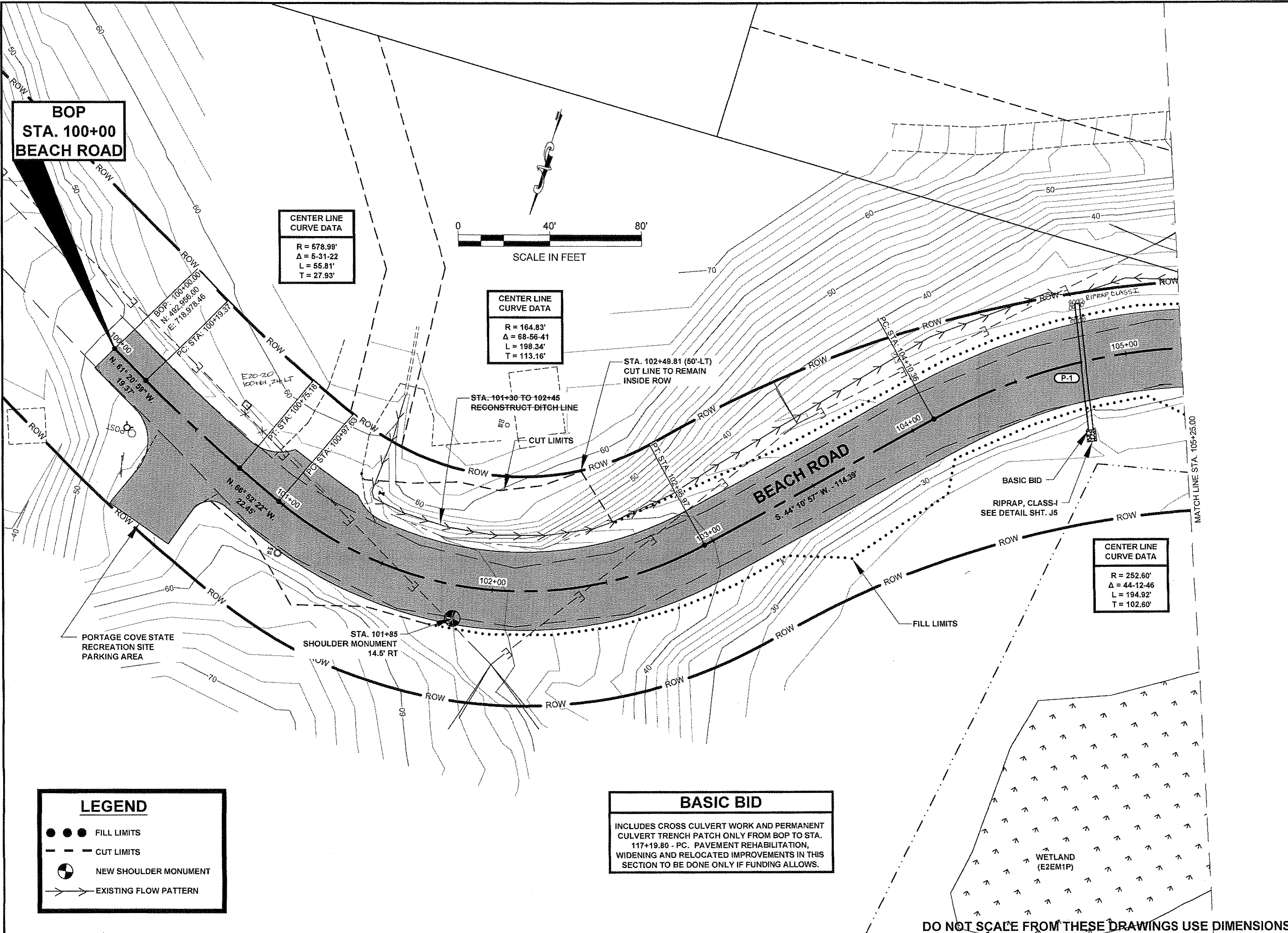
615 (1) STANDARD SIGN SUMMARY

SIGN #	LEGEND	STATION	OFFSET	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SQ FT)	POST	EMBEDMENT DEPTH	SIGN FACING	COMMENTS
FRONT STREET											
37	STOP	200+33	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	WB	
38	Front St	200+33	LT	D3-1	24	8	1.33	-	-	EB/WB	(USE FONT SERIES C, 4"13" LETTER HEIGHT) MOUNT ABOVE SIGN # 34
39	Beach Rd	200+33	LT	D3-1	30	8	1.67	-	-	NB/SB	(USE FONT SERIES C, 4"13" LETTER HEIGHT) MOUNT ABOVE SIGN # 35
40	SPEED LIMIT 25	200+99	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	EB	
41	NO PARKING	200+99	RT	R8-3	30	36	7.50	-	-	EB	MOUNT BELOW SIGN # 39
42	STOP AHEAD SYMBOL	203+50	LT	W3-1A	36	36	9.00	2.5 PST	4'-6"	SB	
43	TURN ARROW 90 DEGREE RIGHT SYMBOL	204+25	LT	W1-1R	36	36	9.00	2.5 PST	4'-6"	SB	
44	PEDESTRIAN CROSSING	205+43	RT	W11-2A	36	36	9.00	2.5 PST	4'-6"	NB	
45	DIAGONAL PLATE LEFT	205+43	RT	W16-7PL	24 30	12 15	2.00 3.75	-	-	NB	MOUNT BELOW SIGN # 44
46	PEDESTRIAN CROSSING	205+67	LT	W11-2A	36	36	9.00	2.5 PST	4'-6"	SB	
47	DIAGONAL PLATE LEFT	205+67	LT	W16-7PL	24 30	12 15	2.00 3.75	-	-	SB	MOUNT BELOW SIGN # 46
48	NO PARKING	208+14	LT	R8-3	30	36	7.50	2.5 PST	4'-6"	SB	
49	RESERVED PARKING WITH HANDICAP SYMBOL	209+03	RT	R7-8	12	18	1.50	2.5 PST	4'-6"	WB	
50	VAN ACCESSIBLE	209+03	RT	R7-8A	18	9	1.13	-	-	WB	MOUNT BELOW SIGN # 49
51	PEDESTRIAN CROSSING	209+48	RT	W11-2A	36	36	9.00	2.5 PST	4'-6"	NB	
52	DIAGONAL PLATE LEFT	209+48	RT	W16-7PL	24 30	12 15	2.00 3.75	-	-	NB	MOUNT BELOW SIGN # 51
53	PEDESTRIAN CROSSING	209+72	LT	W11-2A	36	36	9.00	2.5 PST	4'-6"	SB	
54	DIAGONAL PLATE LEFT	209+72	LT	W16-7PL	24 30	12 15	2.00 3.75	-	-	SB	MOUNT BELOW SIGN # 53
55	PARKING	217+02	RT	D4-1	30	24	5.00	2.5 PST	4'-6"	EB	
56	SPEED LIMIT 25	218+31	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	SB	
57	NO PARKING	218+31	LT	R8-3	30	36	7.50	-	-	SB	MOUNT BELOW SIGN # 56

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN  5-21-12		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316	
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		SIGN SUMMARY	
PATH: Q:\HNS\69316\EN\DOUG'S PLANSET\69316_D_SIGN SUMMARY.DWG TAB: D2 Monday, May 21, 2012 1:38:03 PM MULLINER, DOUGLAS J (DOT)			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69316	YEAR 2012
		SHEET NO. D2	TOTAL SHEETS 110

BS 1-13-14



BOP
STA. 100+00
BEACH ROAD

CENTER LINE CURVE DATA
 R = 578.99'
 Δ = 5-31-22
 L = 55.81'
 T = 27.93'

CENTER LINE CURVE DATA
 R = 164.83'
 Δ = 68-56-41
 L = 198.34'
 T = 113.16'

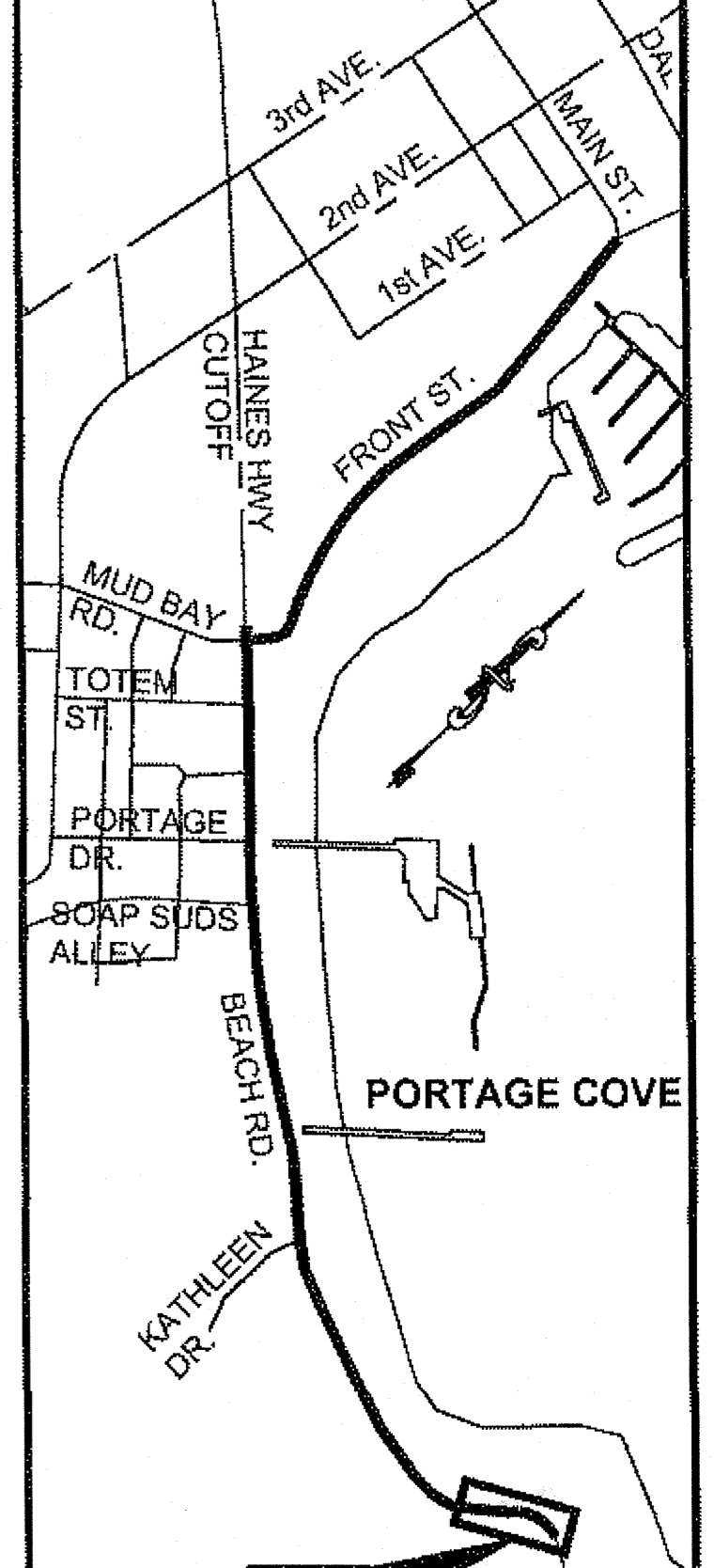
CENTER LINE CURVE DATA
 R = 252.60'
 Δ = 44-12-46
 L = 194.92'
 T = 102.60'

BASIC BID
 INCLUDES CROSS CULVERT WORK AND PERMANENT CULVERT TRENCH PATCH ONLY FROM BOP TO STA. 117+19.80 - P.C. PAVEMENT REHABILITATION, WIDENING AND RELOCATED IMPROVEMENTS IN THIS SECTION TO BE DONE ONLY IF FUNDING ALLOWS.

LEGEND
 ●●●● FILL LIMITS
 - - - CUT LIMITS
 ○ NEW SHOULDER MONUMENT
 → EXISTING FLOW PATTERN

PATH: Q:\HNS\69316\END\DOUG'S PLANSET\69316.F_SHT_WITH INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: F1 Tuesday, May 29, 2012 10:42:40 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS
 PROJECT #69316

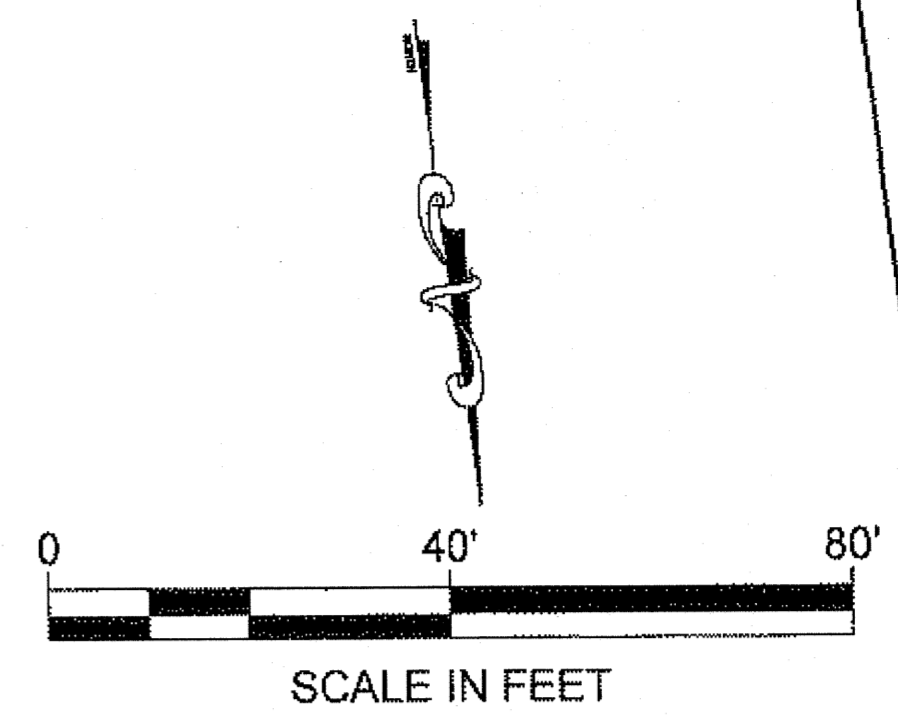
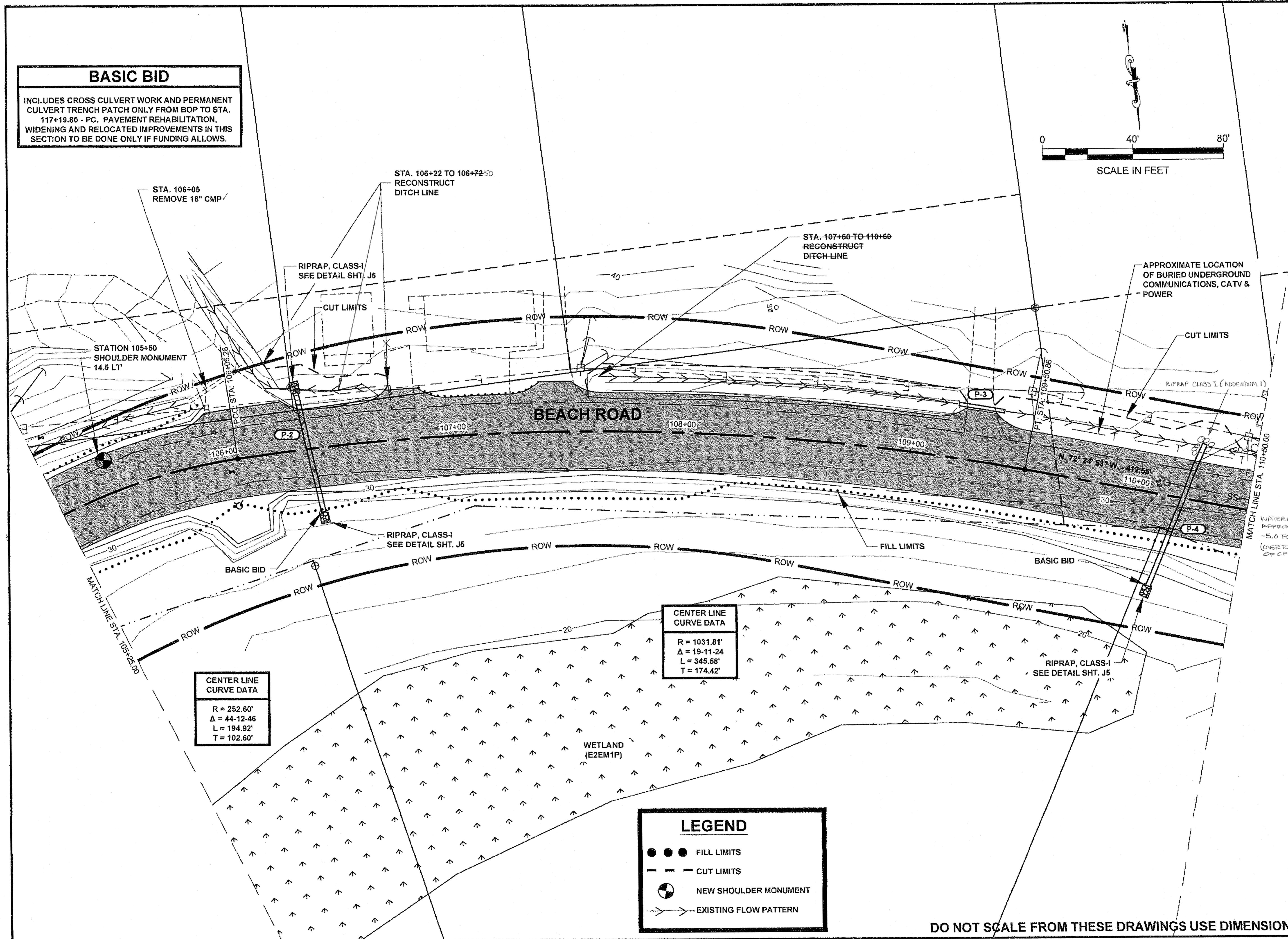
PLAN VIEW

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F1	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

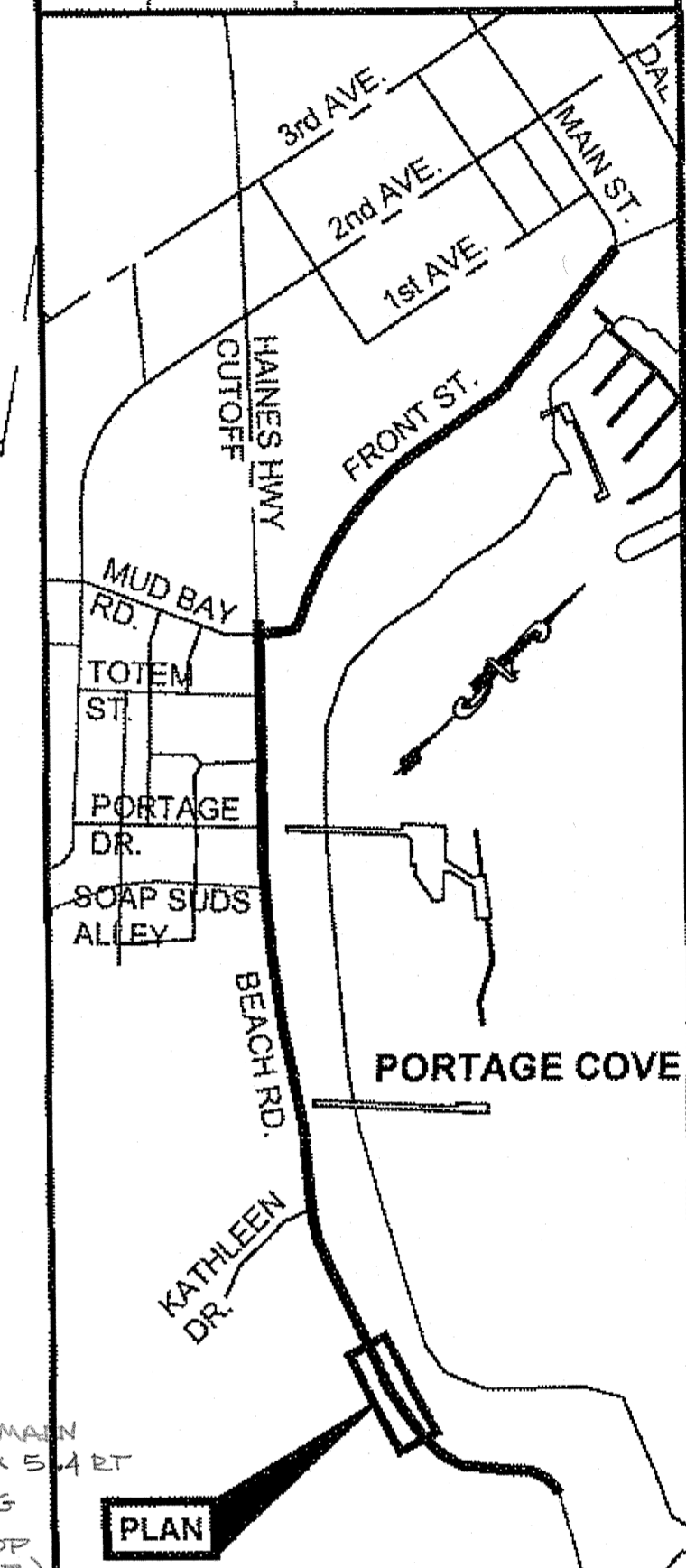
OS 1-13-14

BASIC BID
 INCLUDES CROSS CULVERT WORK AND PERMANENT
 CULVERT TRENCH PATCH ONLY FROM BOP TO STA.
 117+19.80 - PC. PAVEMENT REHABILITATION,
 WIDENING AND RELOCATED IMPROVEMENTS IN THIS
 SECTION TO BE DONE ONLY IF FUNDING ALLOWS.



PATH: Q:\HNS\69316\END\DOUG'S
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 MULLINER, DOUGLAS J (DOT)
 TAB: F2 Tuesday, May 29, 2012 10:43:32 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316**

PLAN VIEW

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F2	110

**CENTER LINE
 CURVE DATA**
 R = 252.60'
 Δ = 44-12-46
 L = 194.92'
 T = 102.60'

**CENTER LINE
 CURVE DATA**
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 Δ = 19-11-24
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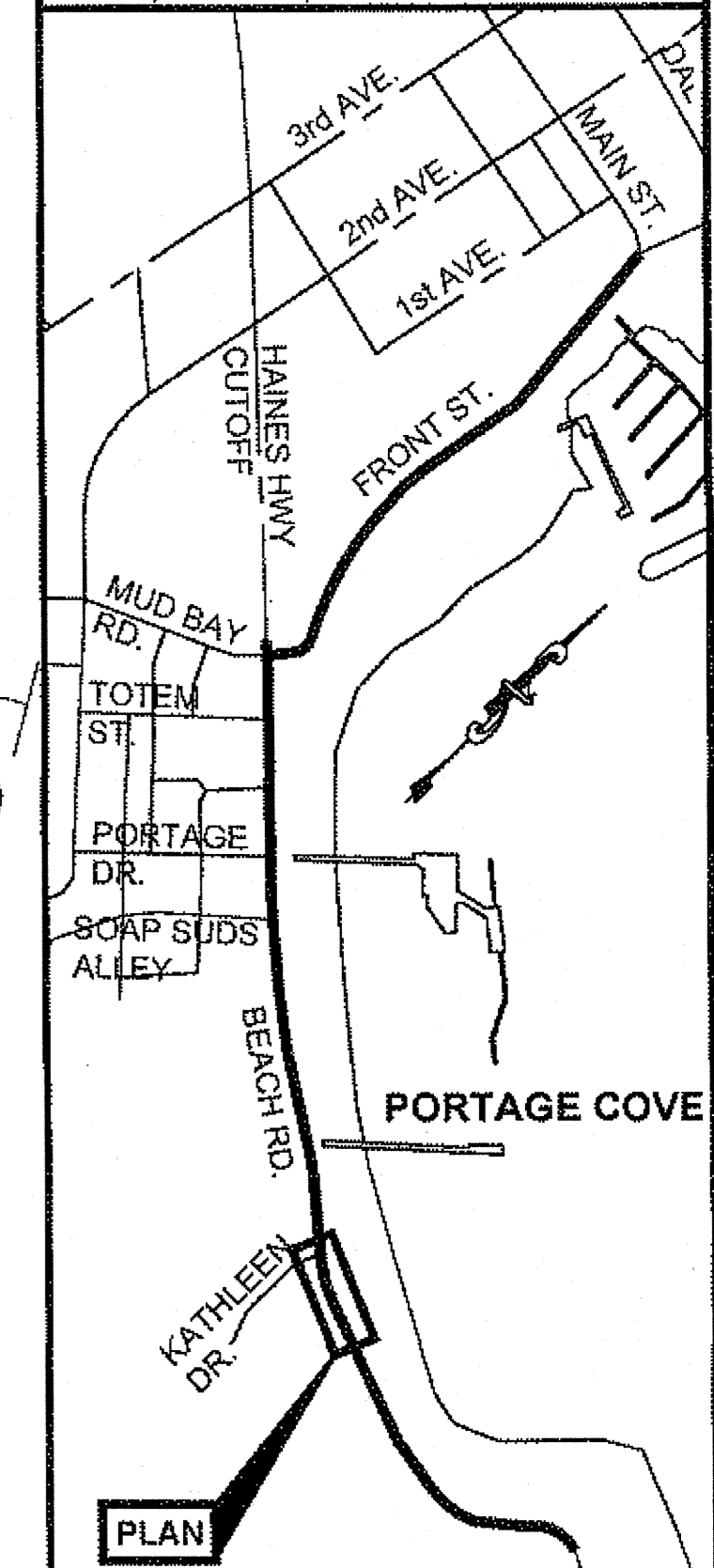
LEGEND

● ● ●	FILL LIMITS
- - -	CUT LIMITS
⊕	NEW SHOULDER MONUMENT
→ → →	EXISTING FLOW PATTERN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

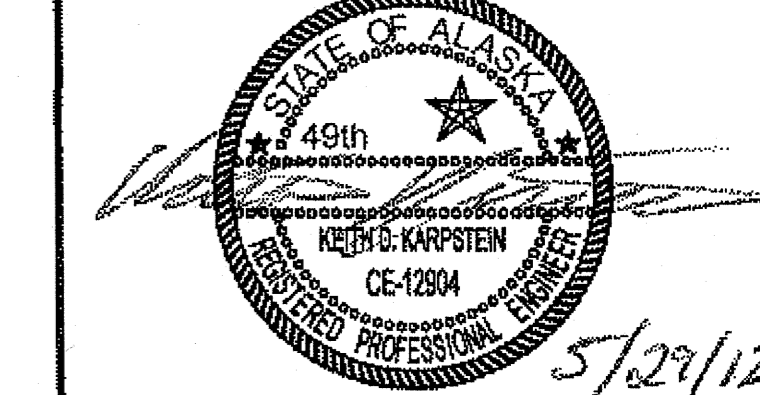
B 1-13-14

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

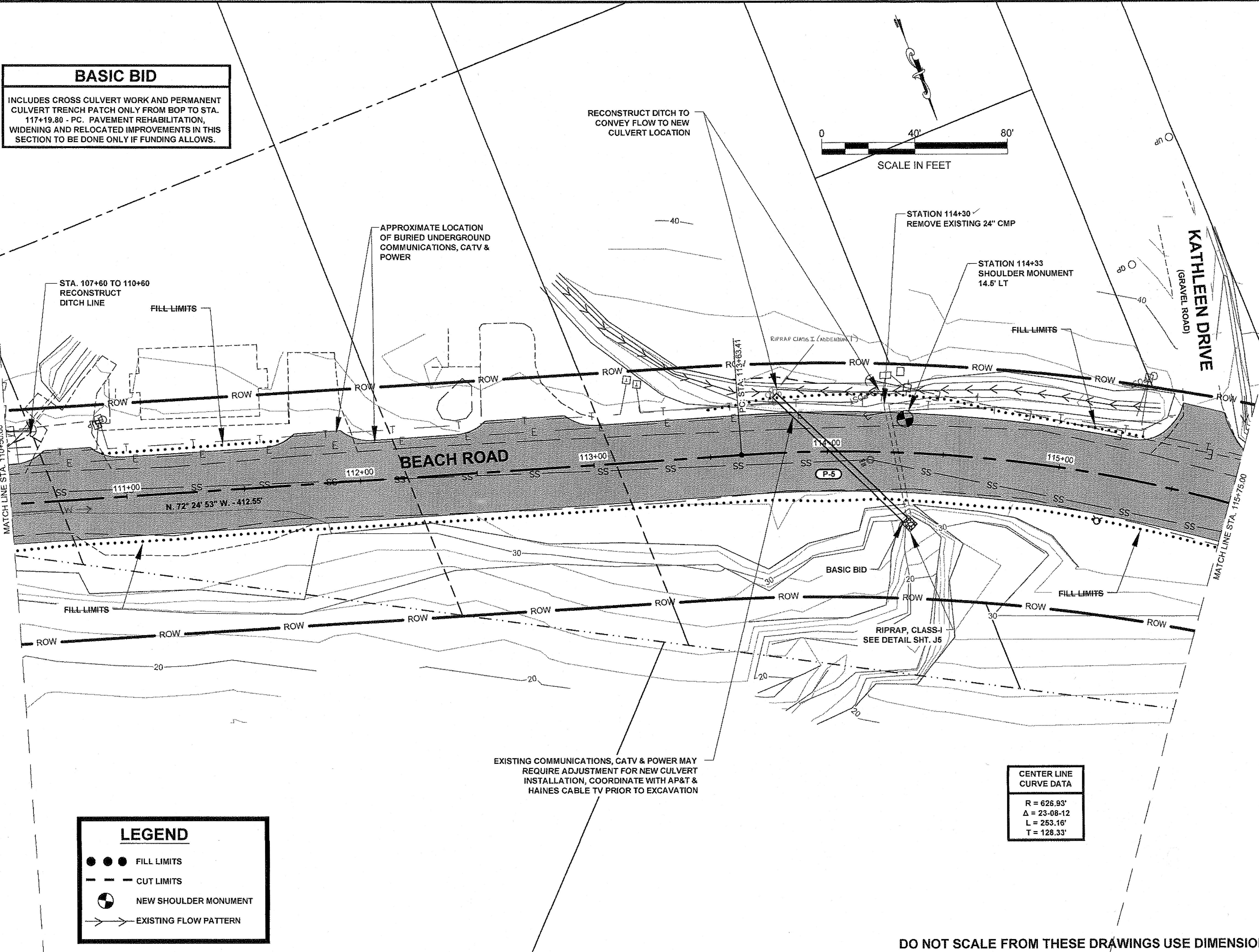
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

PLAN VIEW

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F3	110

BASIC BID
 INCLUDES CROSS CULVERT WORK AND PERMANENT
 CULVERT TRENCH PATCH ONLY FROM BOP TO STA.
 117+19.80 - PC. PAVEMENT REHABILITATION,
 WIDENING AND RELOCATED IMPROVEMENTS IN THIS
 SECTION TO BE DONE ONLY IF FUNDING ALLOWS.



LEGEND

● ● ●	FILL LIMITS
- - -	CUT LIMITS
⊙	NEW SHOULDER MONUMENT
→ → →	EXISTING FLOW PATTERN

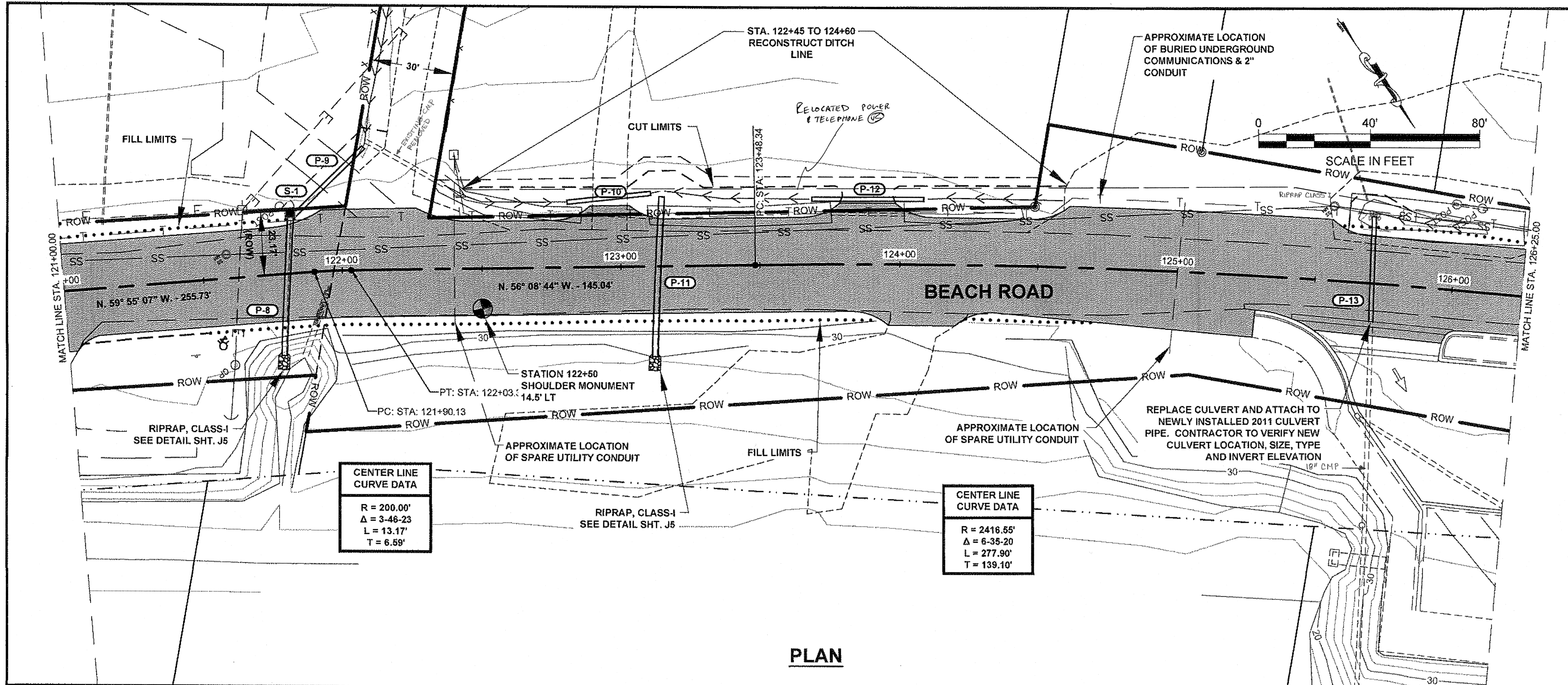
**CENTER LINE
 CURVE DATA**

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Δ = 23-08-12
L = 253.16'
T = 128.33'

EXISTING COMMUNICATIONS, CATV & POWER MAY
 REQUIRE ADJUSTMENT FOR NEW CULVERT
 INSTALLATION, COORDINATE WITH AP&T &
 HAINES CABLE TV PRIOR TO EXCAVATION

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14



PLAN

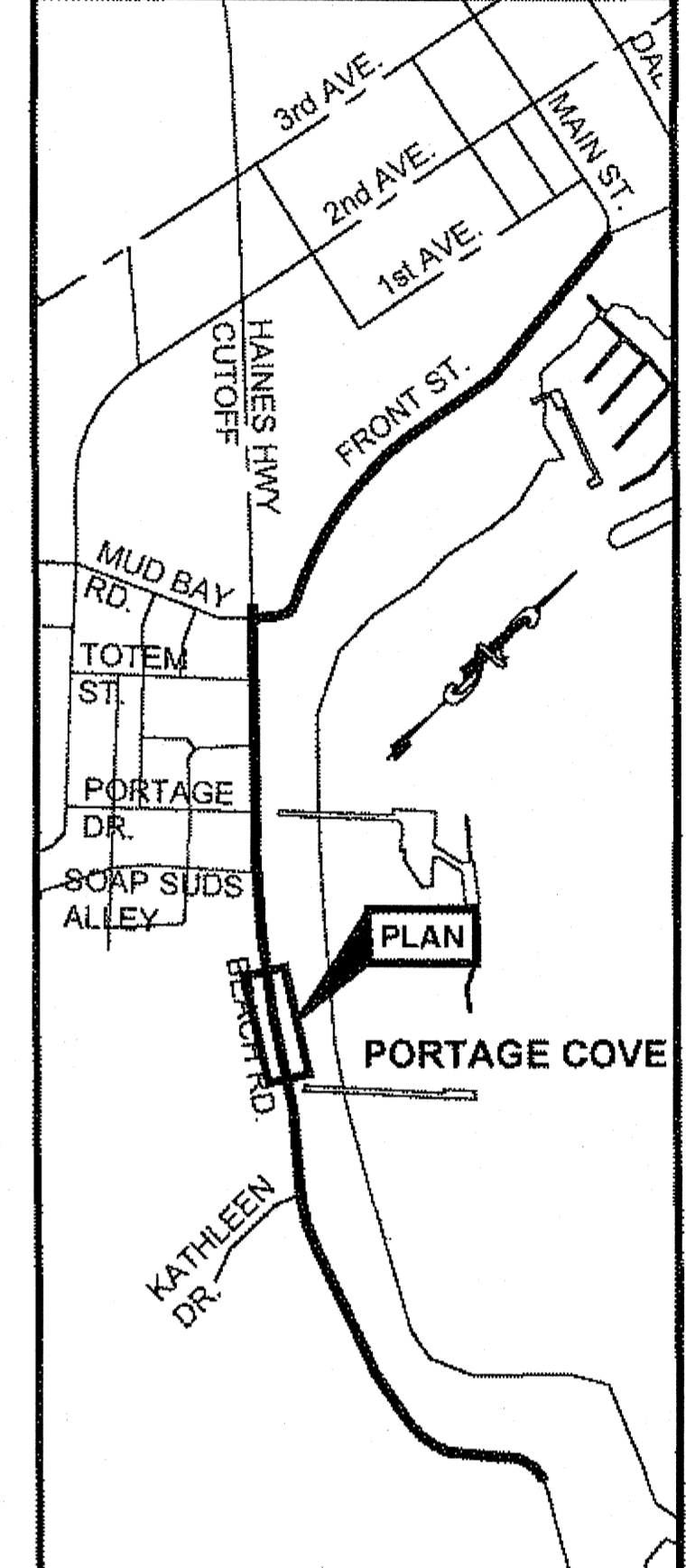
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 Δ = 6-35-20
 L = 277.90'
 T = 139.10'



PATH: Q:\HNS\69316\END\DOUG'S PLANSET\69316_F_SHT_WITH INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: F5 Tuesday, May 29, 2012 10:45:45 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

PLAN & PROFILE (BEACH ROAD)

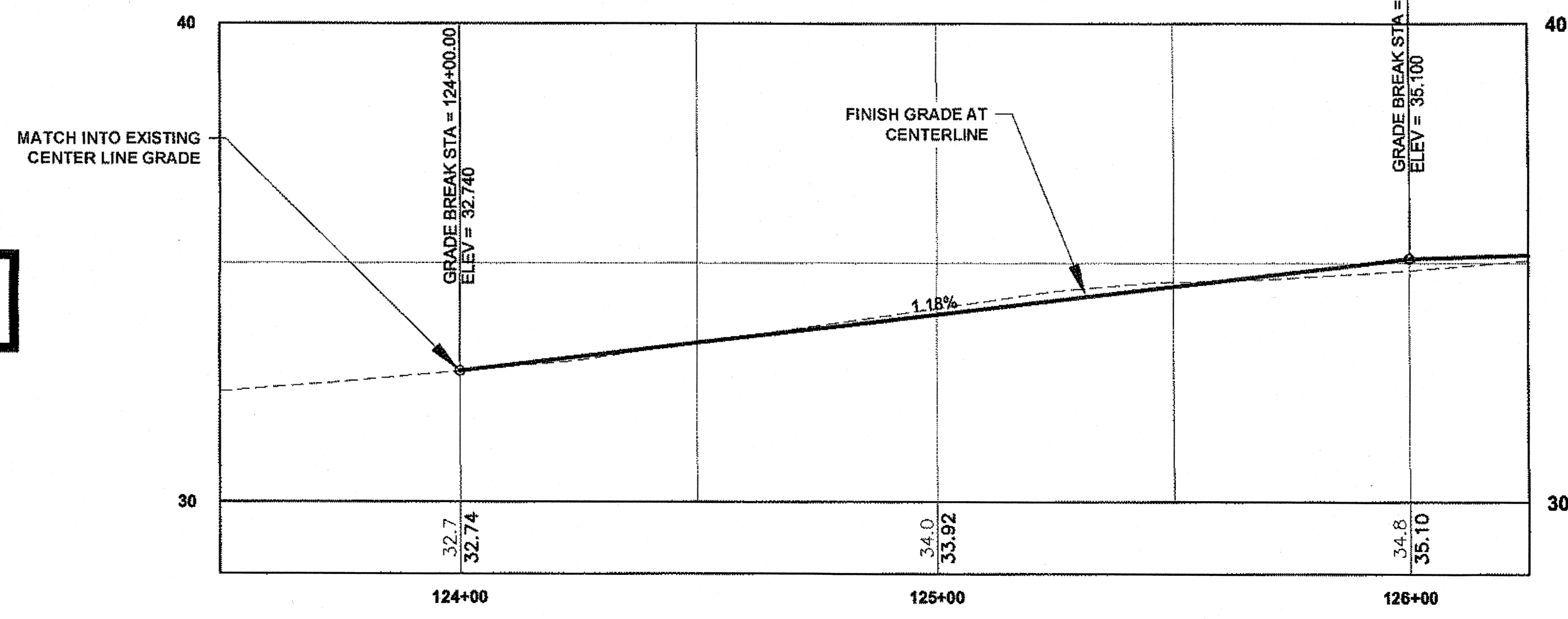
PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F5	110

LEGEND

- ● ● FILL LIMITS
- - - CUT LIMITS
- ⊕ NEW SHOULDER MONUMENT
- → → EXISTING FLOW PATTERN

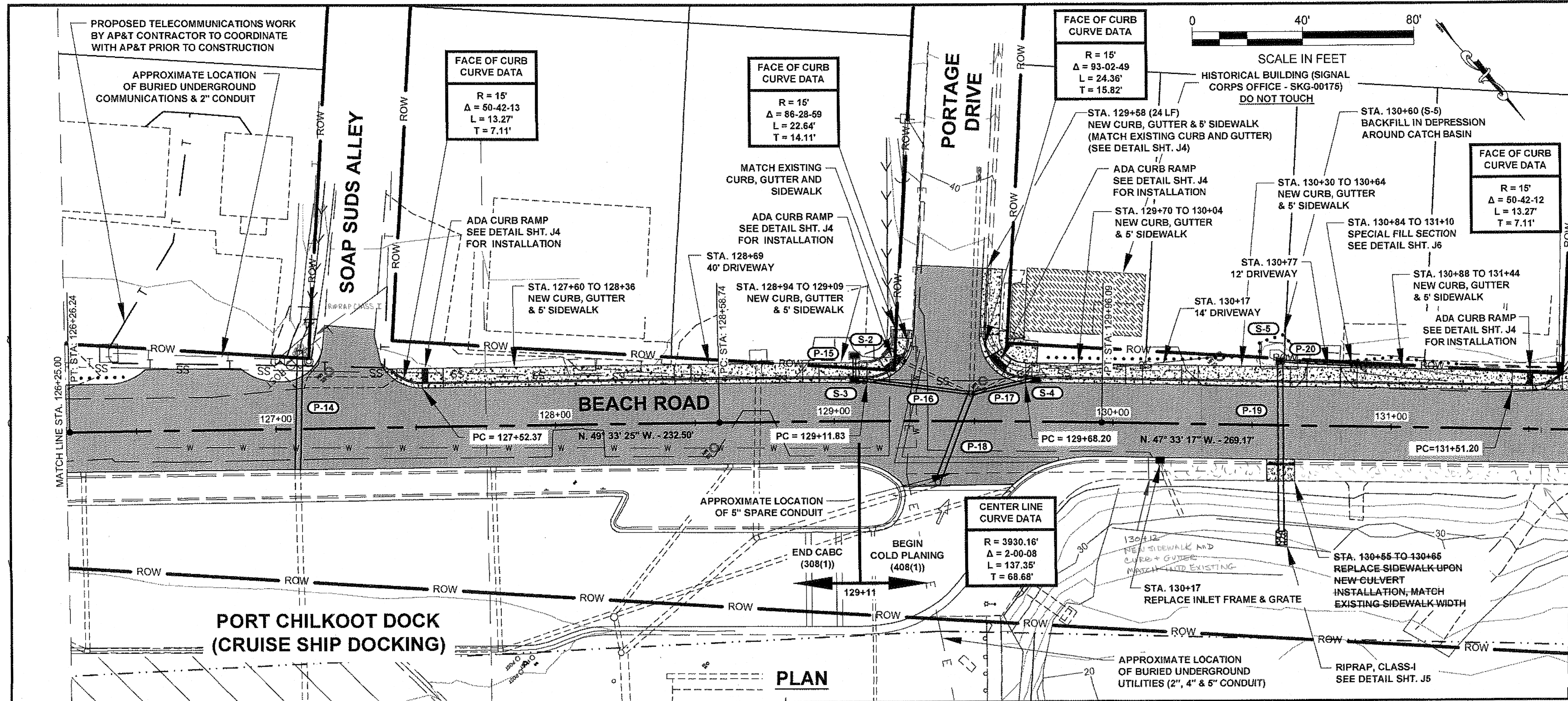
FOR INFORMATION PURPOSES ONLY.
 CENTER LINE GRADE TO BE SET BASED ON EXISTING CURB AND GUTTER

PROFILE



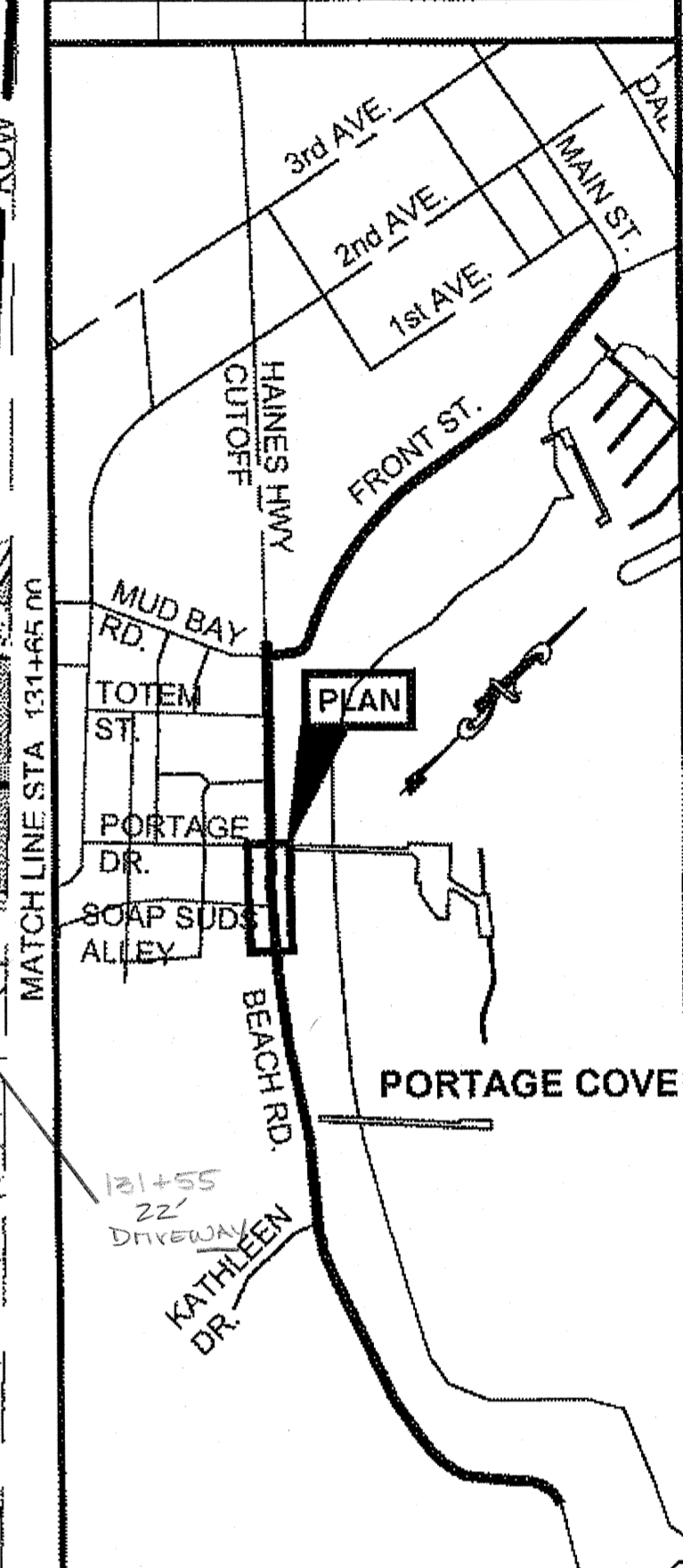
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14

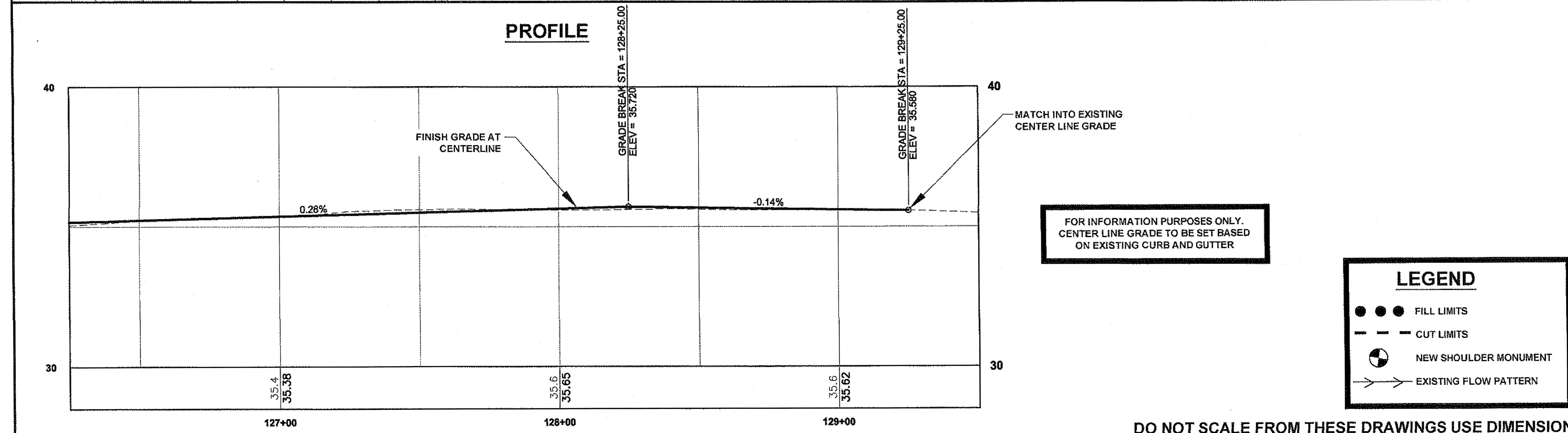


PATH: Q:\HNS\69316\EN\DOUG'S
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 INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: F6 Tuesday, May 29, 2012 10:48:20 AM

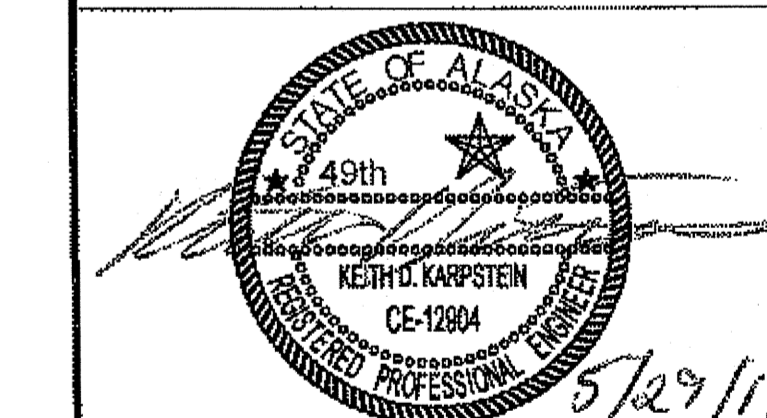
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND



CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

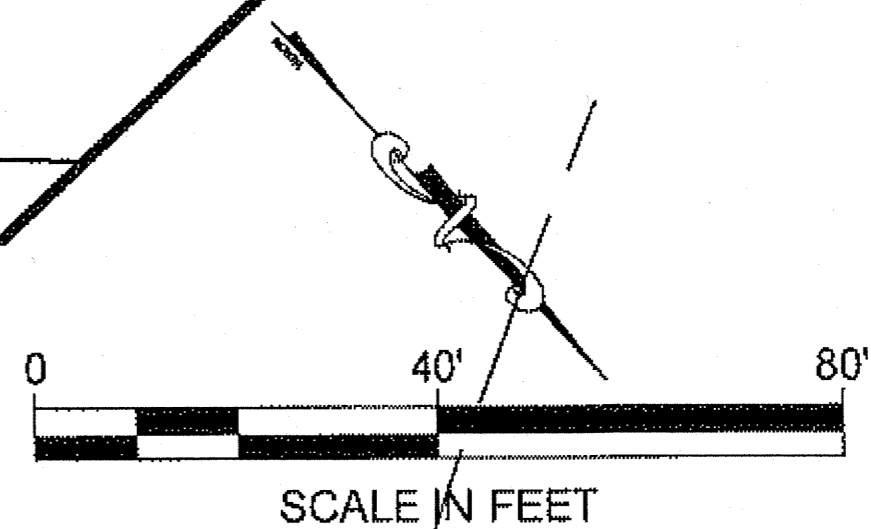
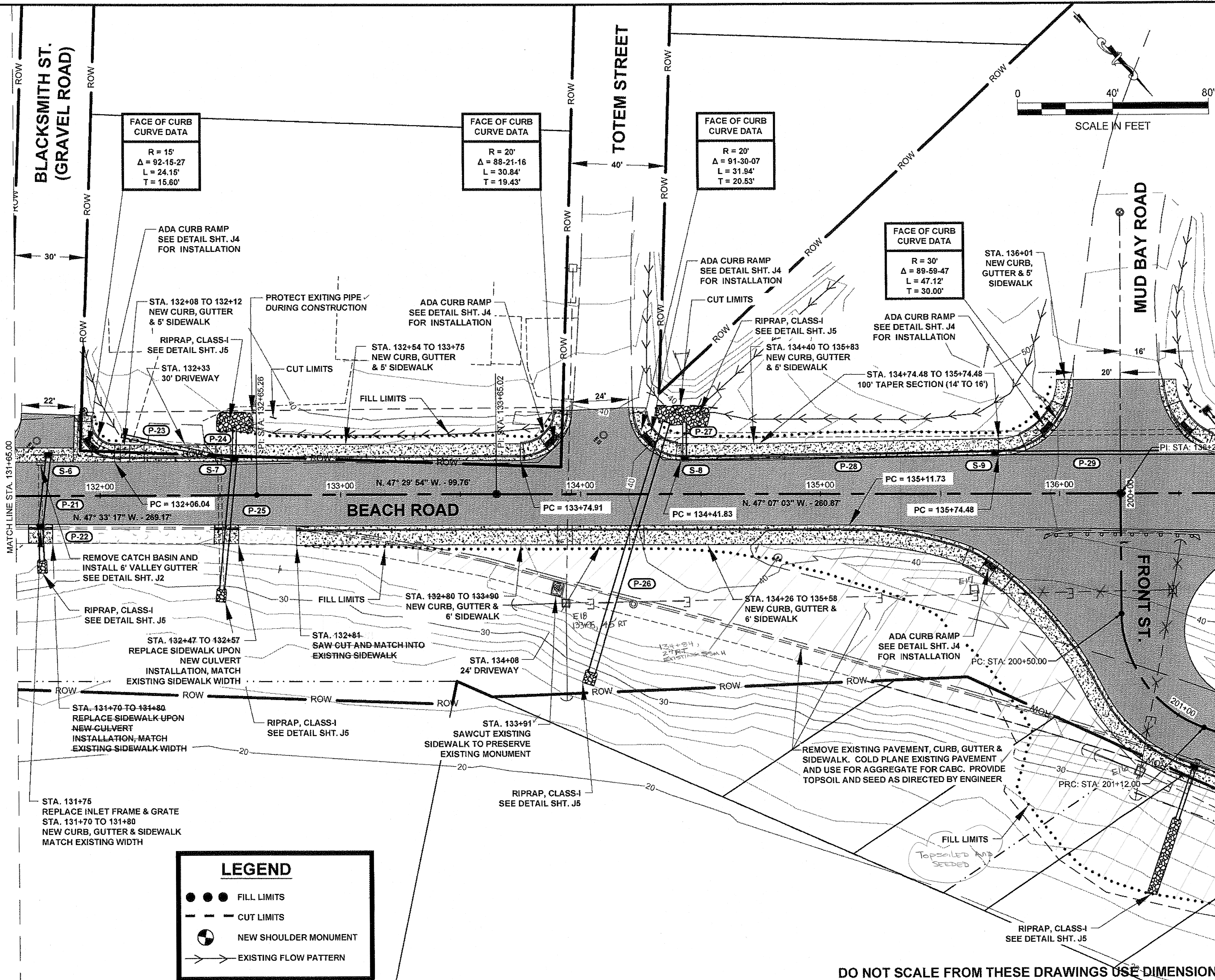
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**PLAN & PROFILE
 (BEACH ROAD)**

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F6	110

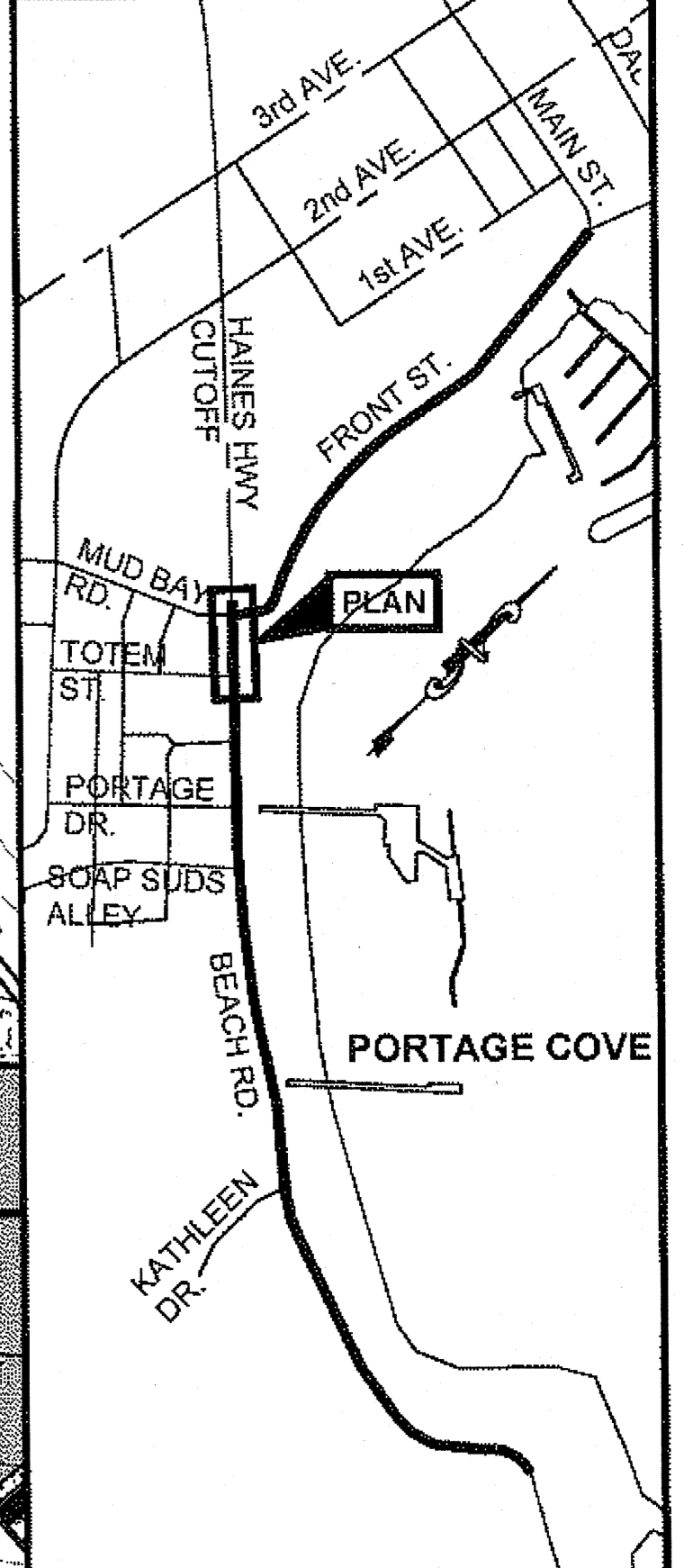
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

B 1-13-14



PATH: Q:\HNS\69316\END\DOUG'S PLANSET\69316_F_SHT_WITH INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: F7 Tuesday, May 29, 2012 10:53:23 AM

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

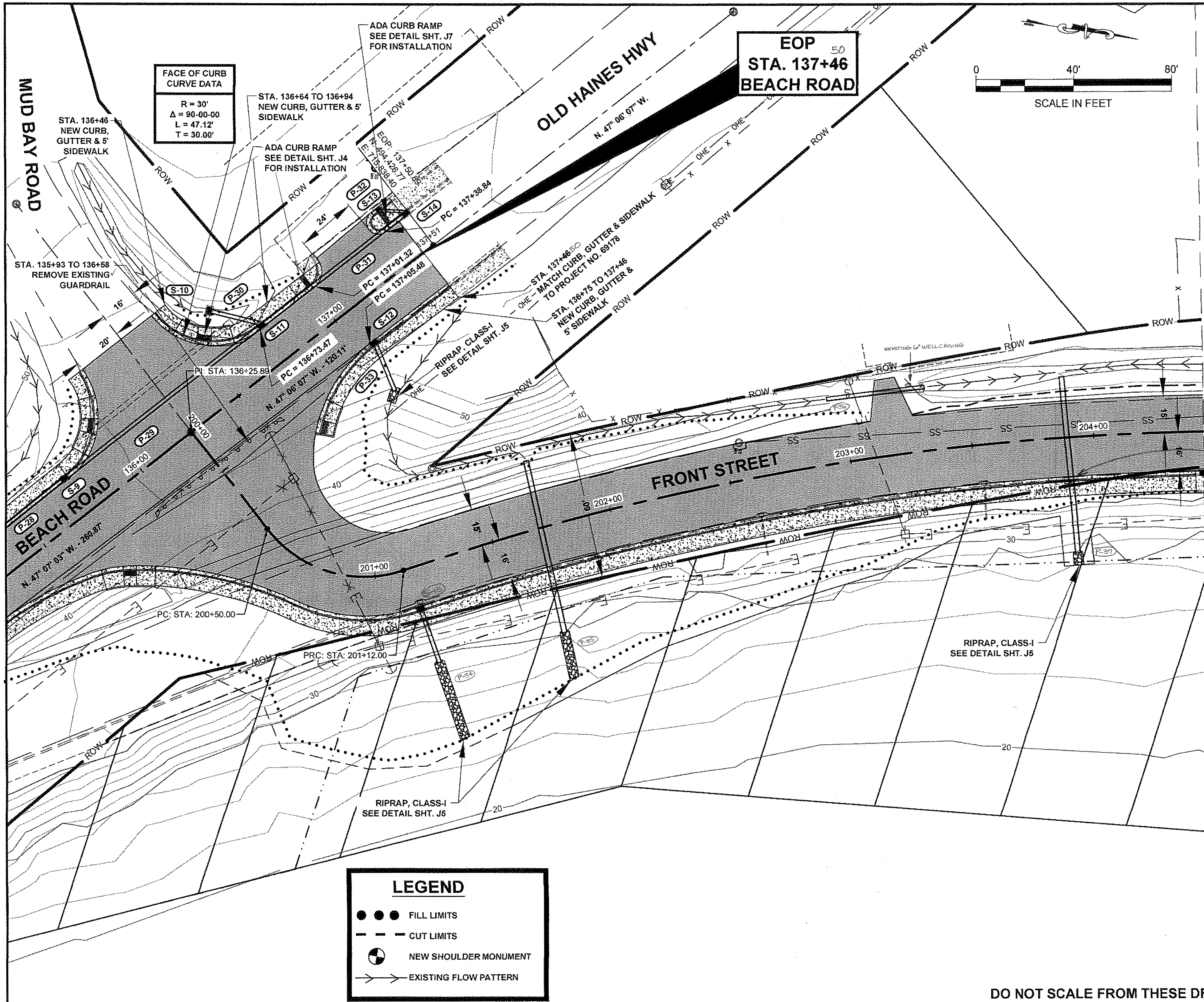
HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

PLAN VIEW

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F7	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14

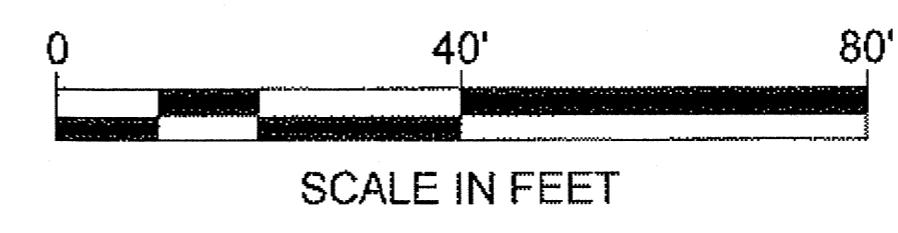


**FACE OF CURB
CURVE DATA**
R = 30'
Δ = 90-00-00
L = 47.12'
T = 30.00'

EOP
STA. 137+46
BEACH ROAD

LEGEND

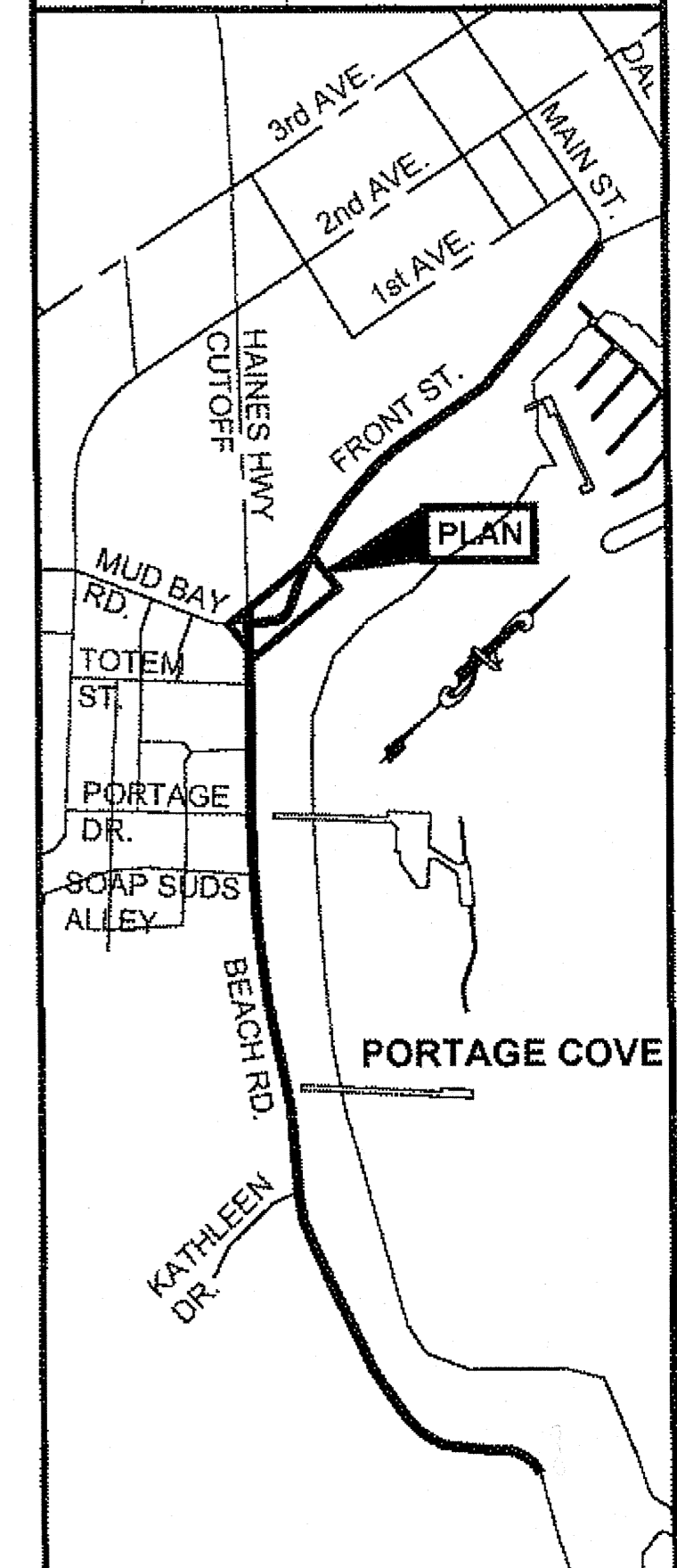
- ● ● FILL LIMITS
- - - CUT LIMITS
- ⊙ NEW SHOULDER MONUMENT
- EXISTING FLOW PATTERN



3 EACH AT 6" DIAM STEEL PIPES
16'-19.5' RT
(BELOW CULVERT)

PATH: Q:\HNS\69316\ENDDOUG'S
PLANSET\69316_F_SHT_WITH
INTERSECTION.DWG
MULLINER, DOUGLAS J (DOT)
TAB: F8 Tuesday, May 29, 2012 11:05:43 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN



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

**HNS-BEACH ROAD WIDENING &
FRONT STREET INTERSECTION
IMPROVEMENTS
PROJECT #69316**

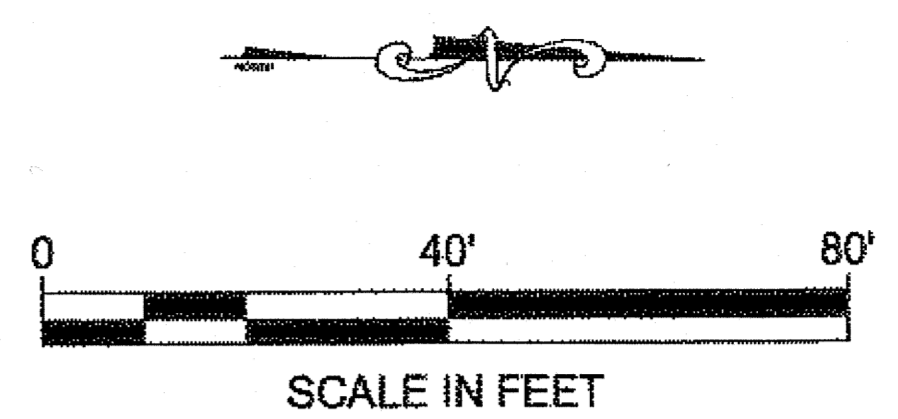
PLAN VIEW

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F8	110

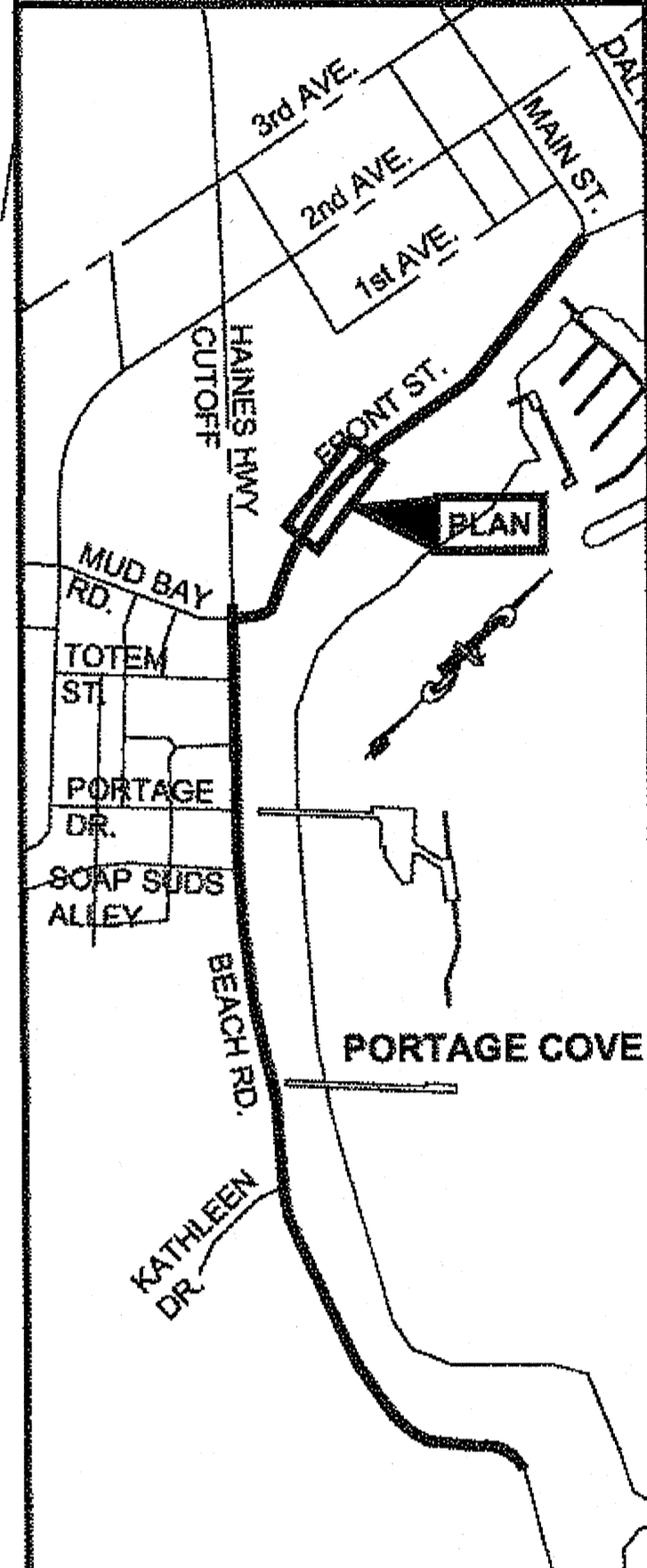
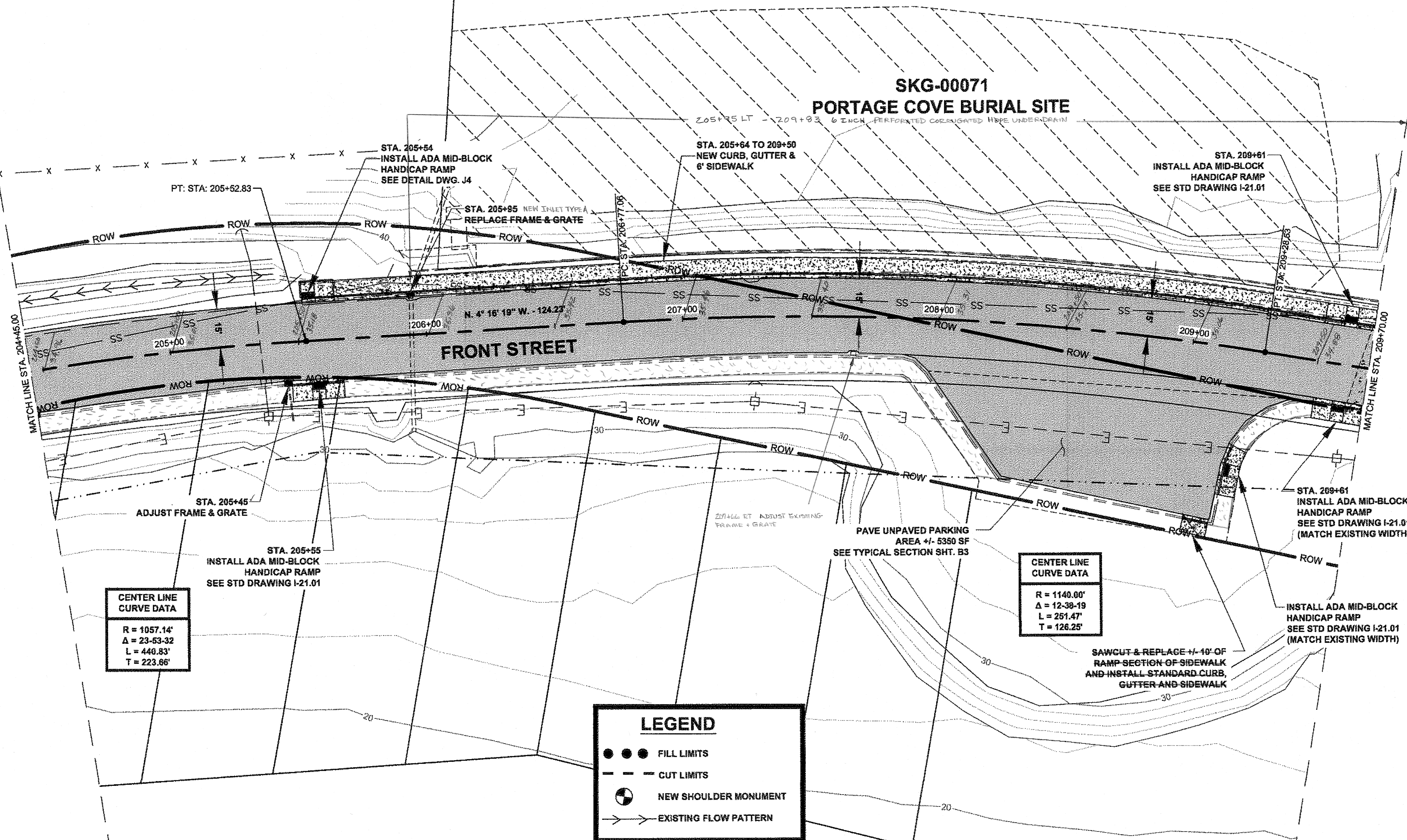
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14

PATH: Q:\HNS\69316\ENDOU'S
 PLANSET69316 F_SHT_WITH
 INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: F10 Monday, May 14, 2012 8:39:40 AM
 ADDENDUM NUMBER
 ATTACHMENT NUMBER
 RECORD OF REVISIONS
 No. DATE DESCRIPTION



SKG-00071
 PORTAGE COVE BURIAL SITE



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

PLAN VIEW

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F10	110

CENTER LINE
 CURVE DATA
 R = 1057.14'
 Δ = 23-53-32"
 L = 440.83'
 T = 223.66'

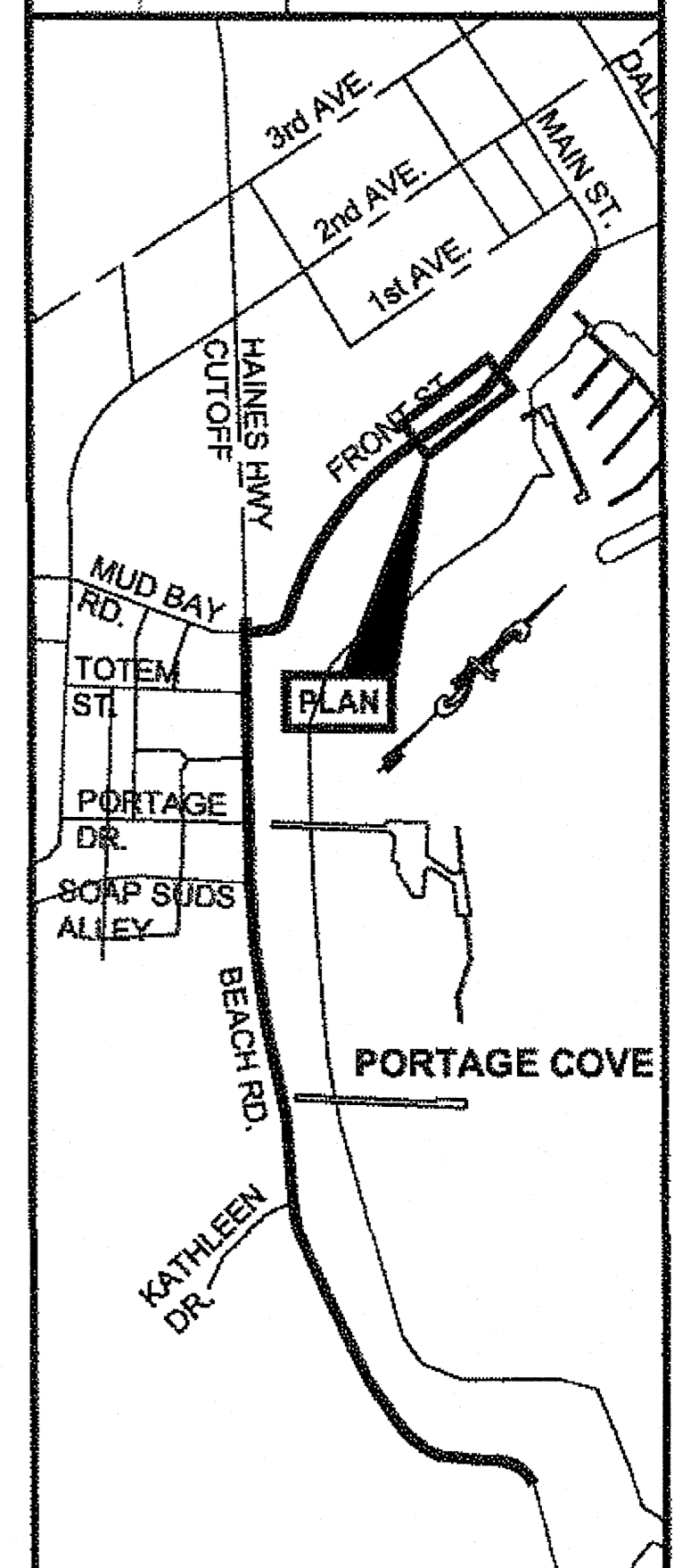
CENTER LINE
 CURVE DATA
 R = 1140.00'
 Δ = 12-38-19"
 L = 251.47'
 T = 126.25'

LEGEND

- ● ● FILL LIMITS
- - - CUT LIMITS
- ⊙ NEW SHOULDER MONUMENT
- → EXISTING FLOW PATTERN

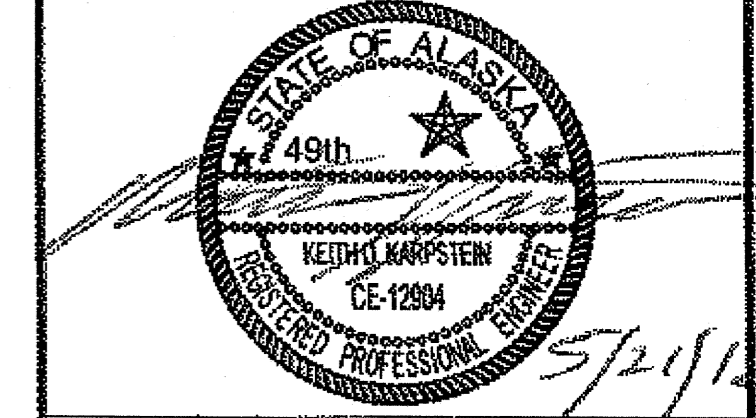
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:Q:\HNS\69316\MULLINER\DOUGLAS J (DOT)
 PLANSET:69316_F_SHT_WITH INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: F11 Monday, May 14, 2012 8:39:53 AM
 ADDENDUM NUMBER
 ATTACHMENT NUMBER
 RECORD OF REVISIONS
 No. DATE DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

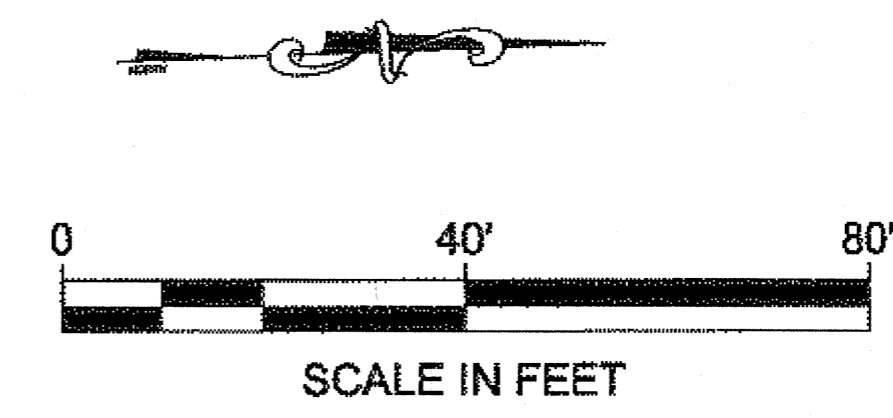


DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

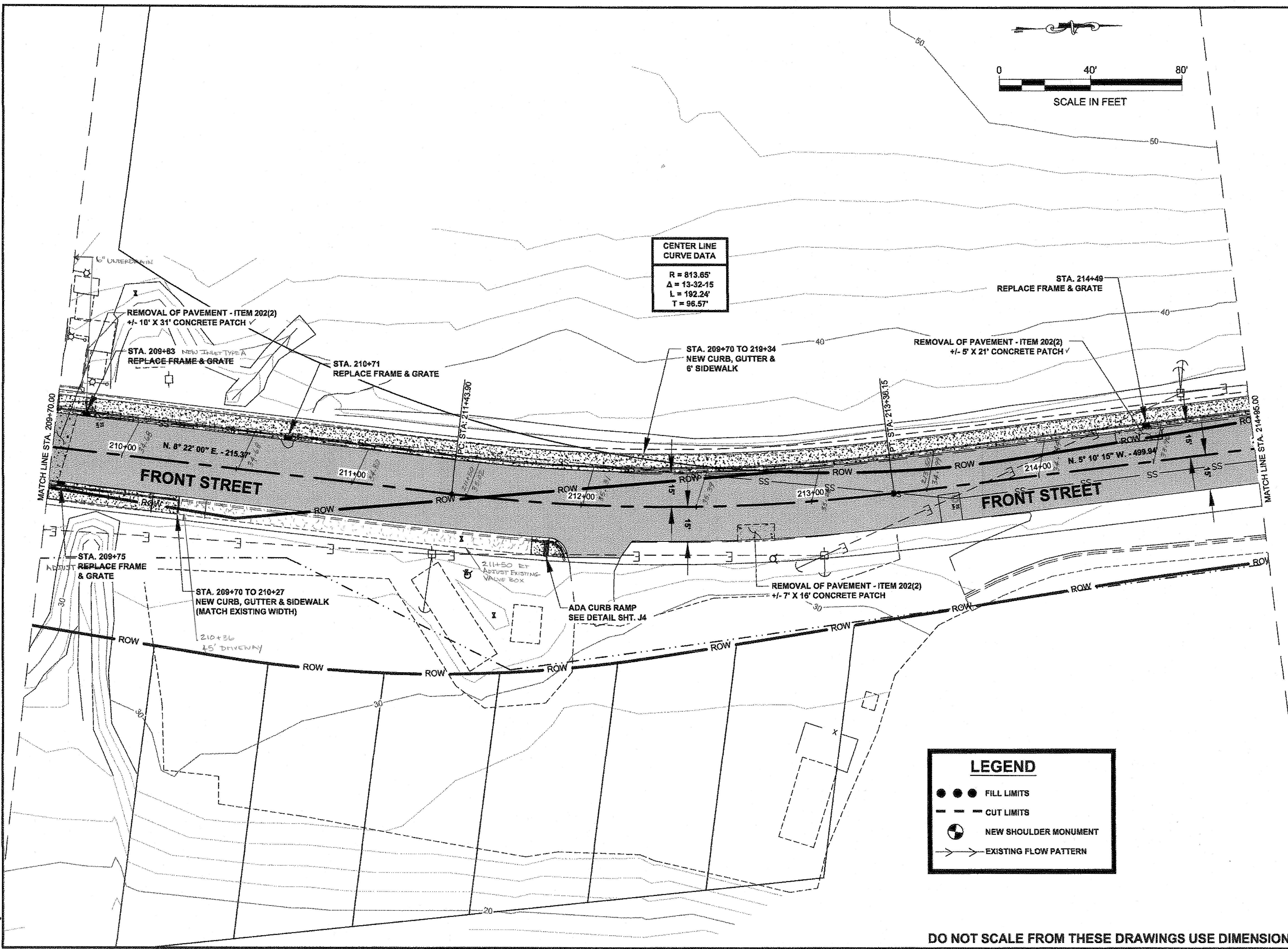
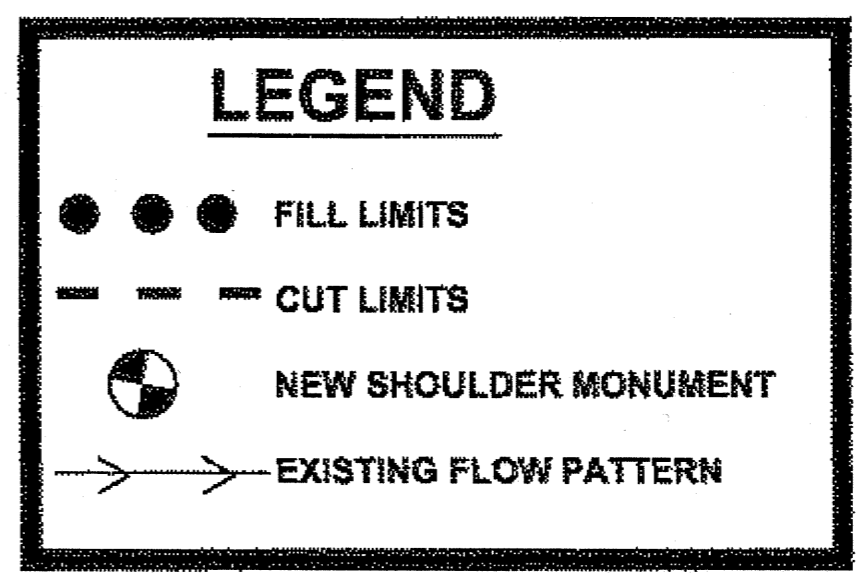
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
 HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS
 PROJECT #69316

PLAN VIEW

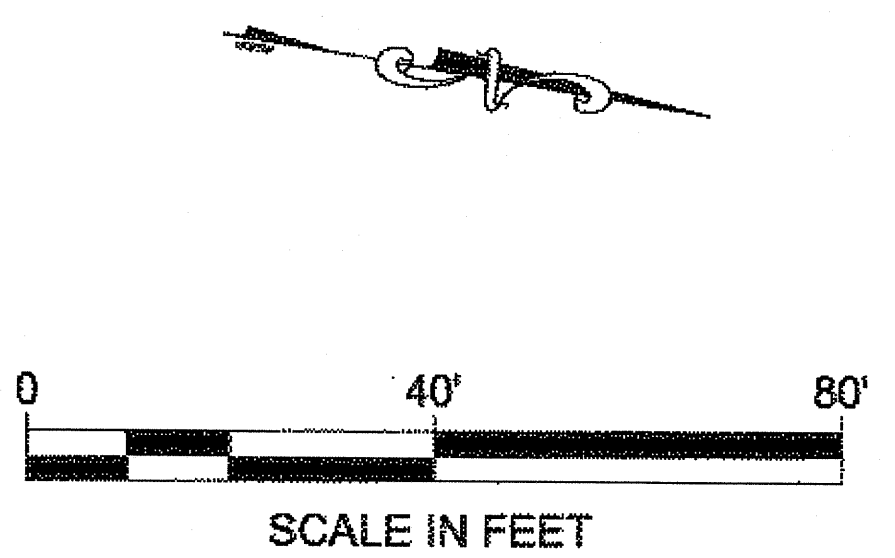
PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F11	110



CENTER LINE CURVE DATA
 R = 813.65'
 Δ = 13-32-15
 L = 192.24'
 T = 96.57'



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\HNS\69316\ENDDOUG'S PLANSET\09316_F_SHT_WITH INTERSECTION.DWG

MULLINER, DOUGLAS J (DOT)

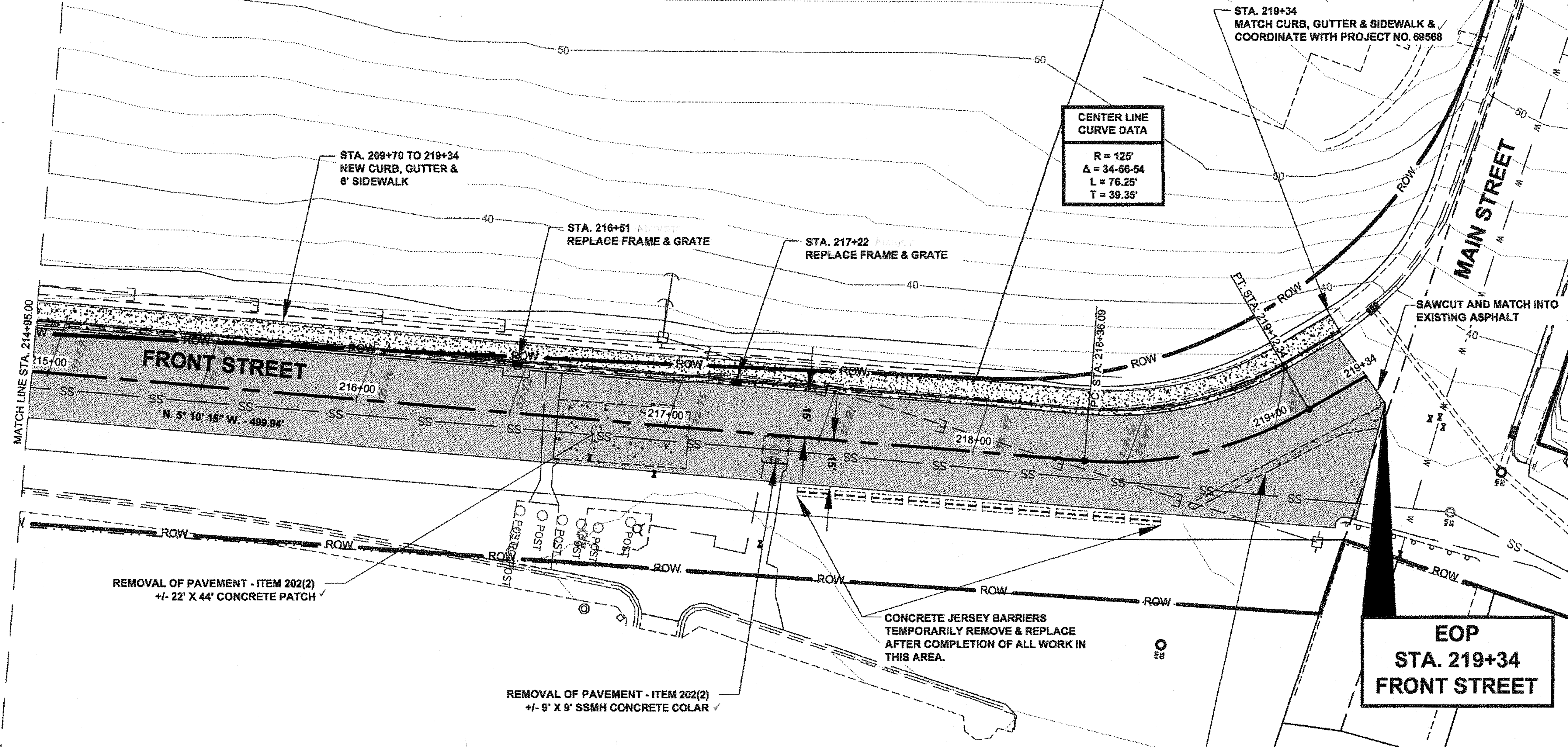
TAB: F12 Monday, May 14, 2012 8:40:07 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



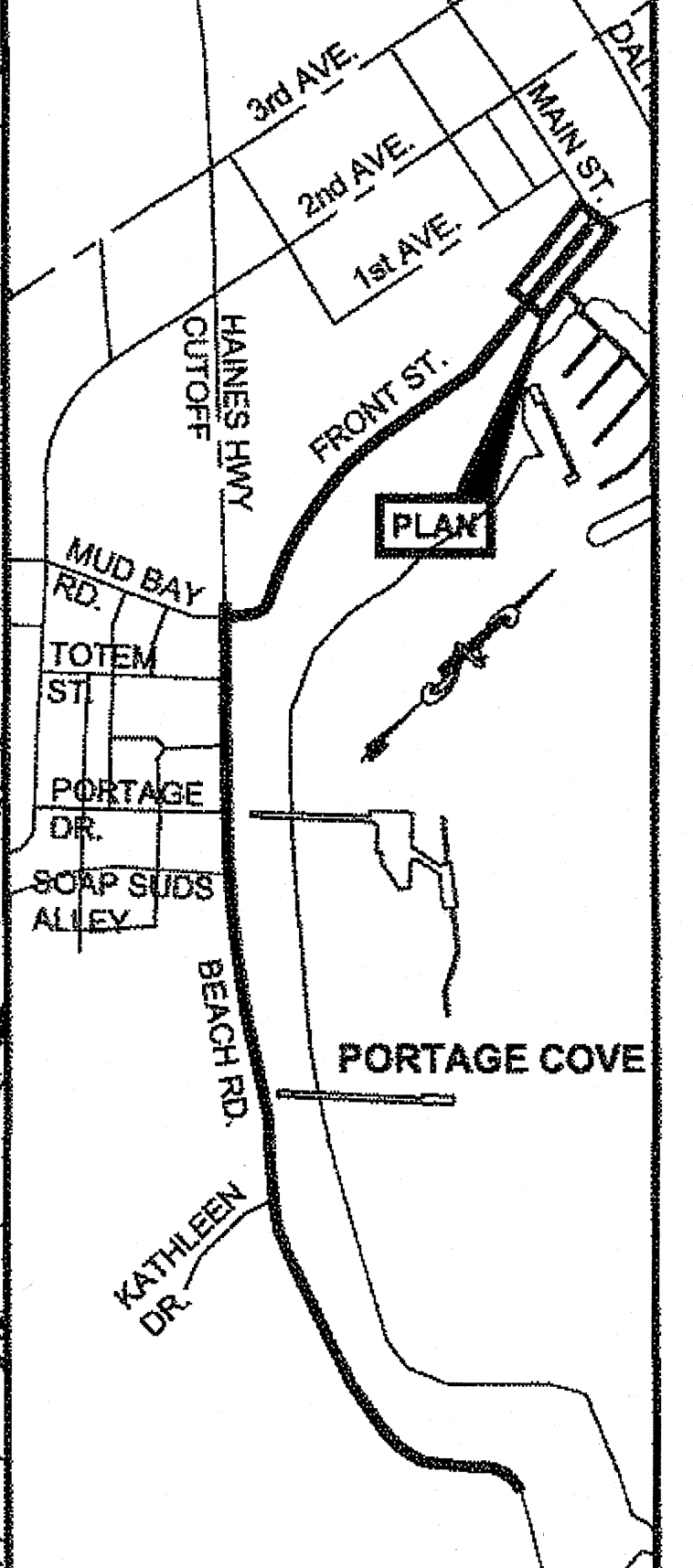
CENTER LINE CURVE DATA

R = 125'
 Δ = 34-56-54
 L = 76.25'
 T = 39.35'

EOP
STA. 219+34
FRONT STREET

LEGEND

● ● ●	FILL LIMITS
- - -	CUT LIMITS
⊙	NEW SHOULDER MONUMENT
→ →	EXISTING FLOW PATTERN



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

PLAN VIEW

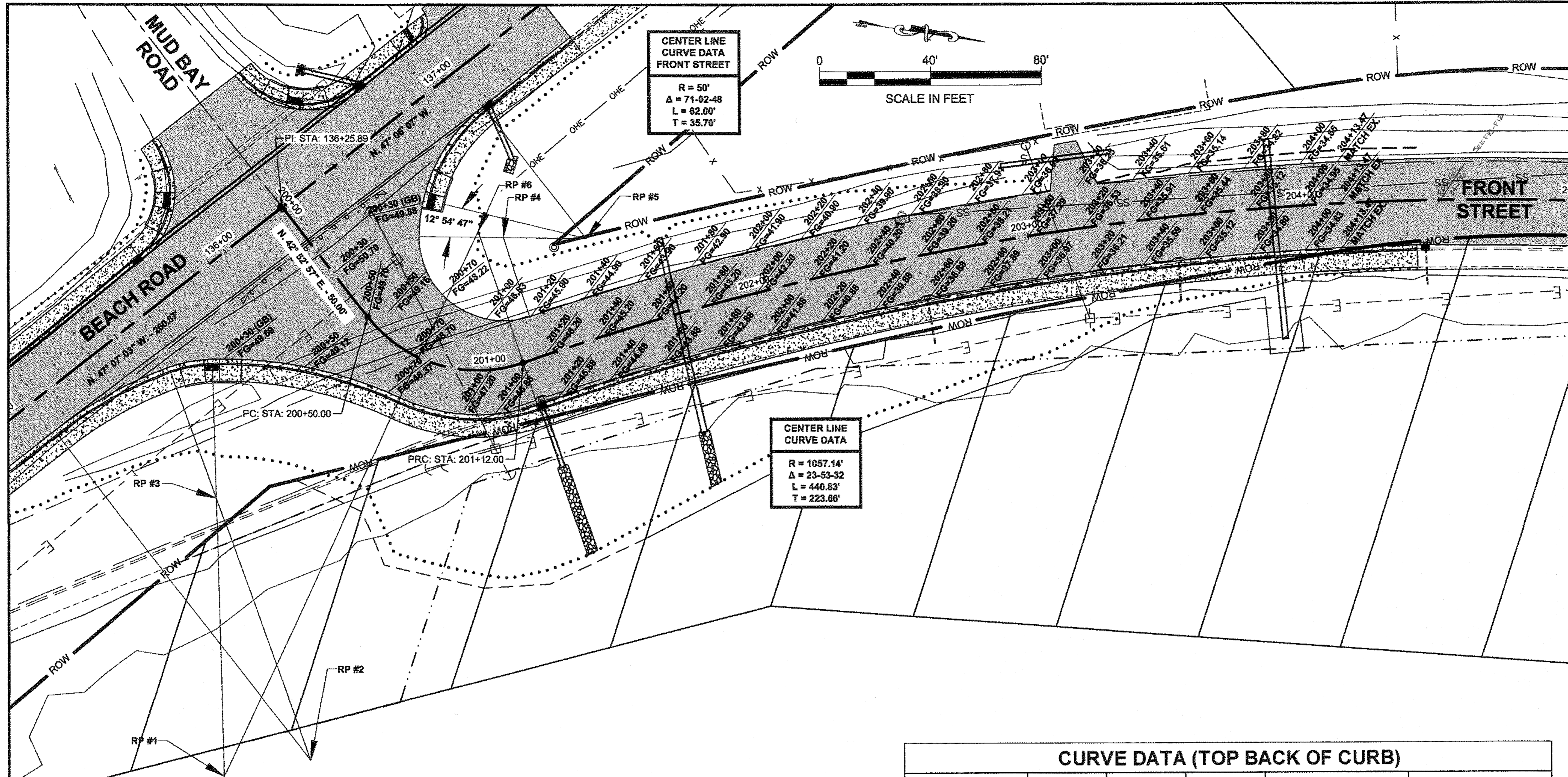
PROJECT DESIGNATION

69316

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F12	110

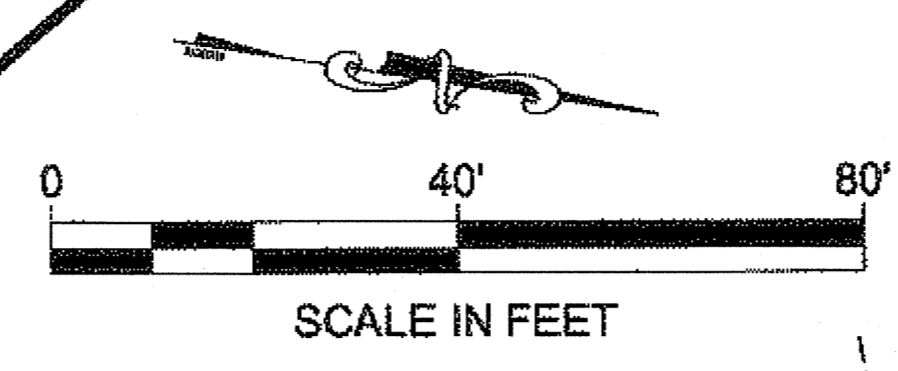
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

1-13-14



CENTER LINE CURVE DATA FRONT STREET
 R = 50'
 Δ = 71-02-48
 L = 62.00'
 T = 35.70'

CENTER LINE CURVE DATA
 R = 1057.14'
 Δ = 23-53-32
 L = 440.83'
 T = 223.66'



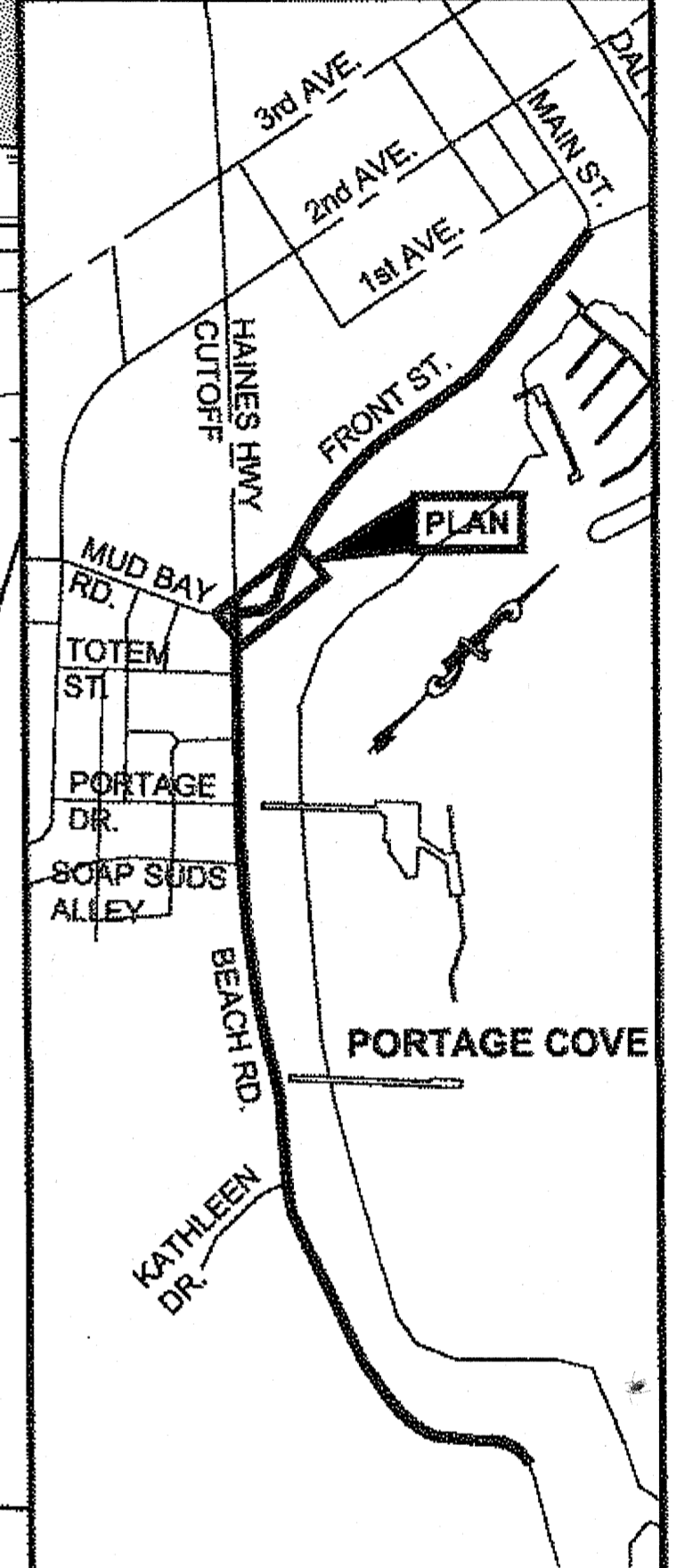
PATH: Q:\HNS\69316\REMOVAL'S
 PLANSET\69316_F_SHT_WITH
 INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: F13 Monday, May 14, 2012 8:40:24 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316**

**FRONT STREET
 INTERSECTION
 PLAN**

PROJECT DESIGNATION

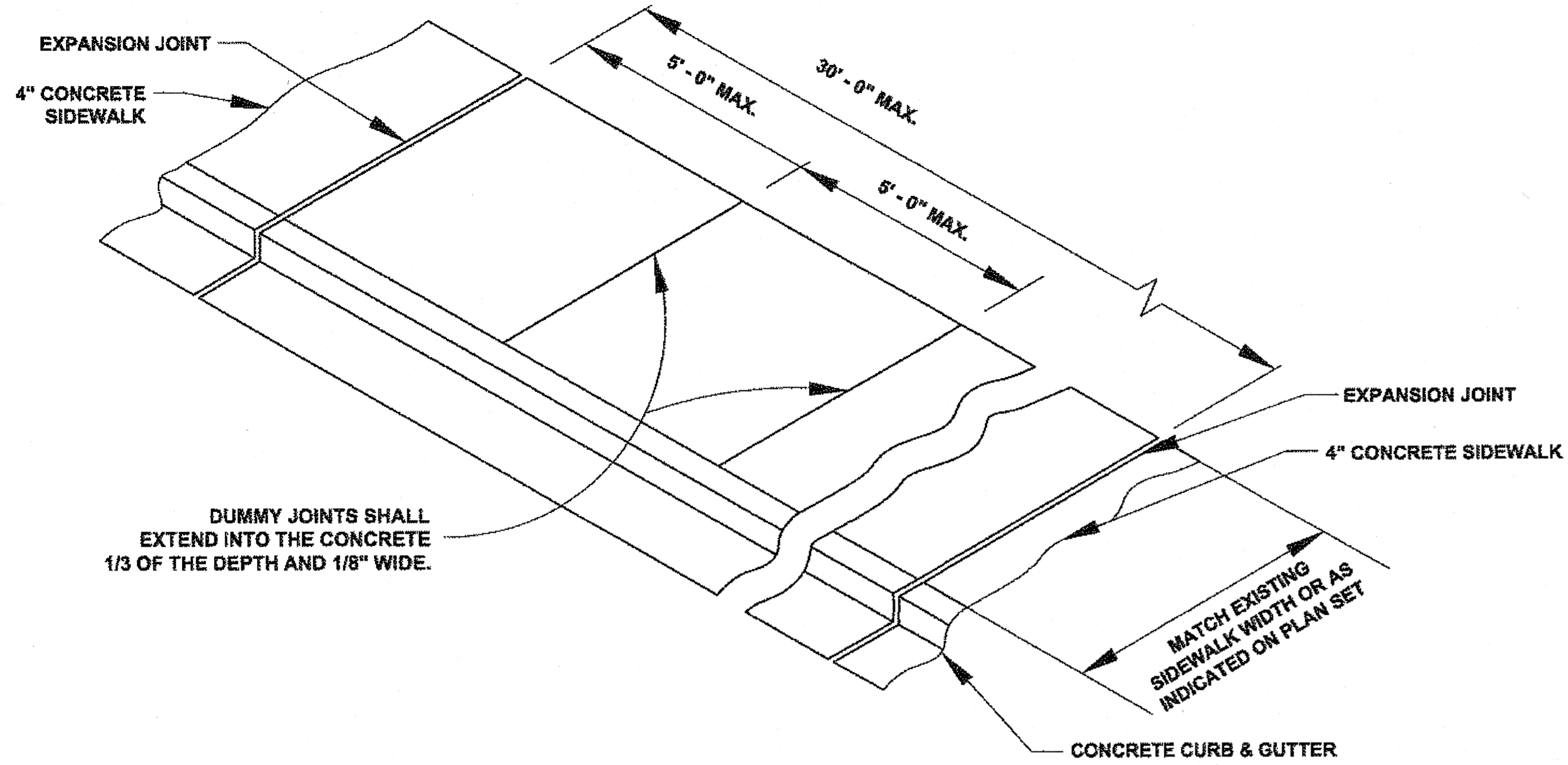
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F13	110

CURVE DATA (TOP BACK OF CURB)

RADIUS PT. #	DELTA	RADIUS	LENGTH	NORTHING	EASTING
RP #1 (RT)	26-36-00	148'	68.71'	494353.84	716135.29
RP #2 (RT)	18-07-01	148'	46.80'	494383.44	716124.65
RP #3 (RT)	18-07-01	48'	15.18'	494334.96	716037.09
RP #4 (LT)	108-51-43	28'	53.20'	494421.89	715927.97
RP #5 (LT)	51-39-09	58'	52.29'	494451.64	715923.40
RP #6 (LT)	43-56-39	68'	52.15'	494412.35	715927.36
RP #1 - PC	-	-	-	494325.90	715989.95
RP #1 - PRC	-	-	-	494393.93	715992.82
RP #2 - PC	-	-	-	494274.99	716023.83
RP #2 - PT	-	-	-	494311.69	715995.10
RP #3 - PC	-	-	-	494311.69	715995.10
RP #3 - PT	-	-	-	494325.90	715989.95
RP #4 - PC	-	-	-	494394.21	715932.23
RP #4 - PT	-	-	-	494434.87	715952.78
RP #5 - PC	-	-	-	494409.05	715883.92
RP #5 - PT	-	-	-	494394.21	715932.23
RP #6 - PRC	-	-	-	494444.51	715987.27

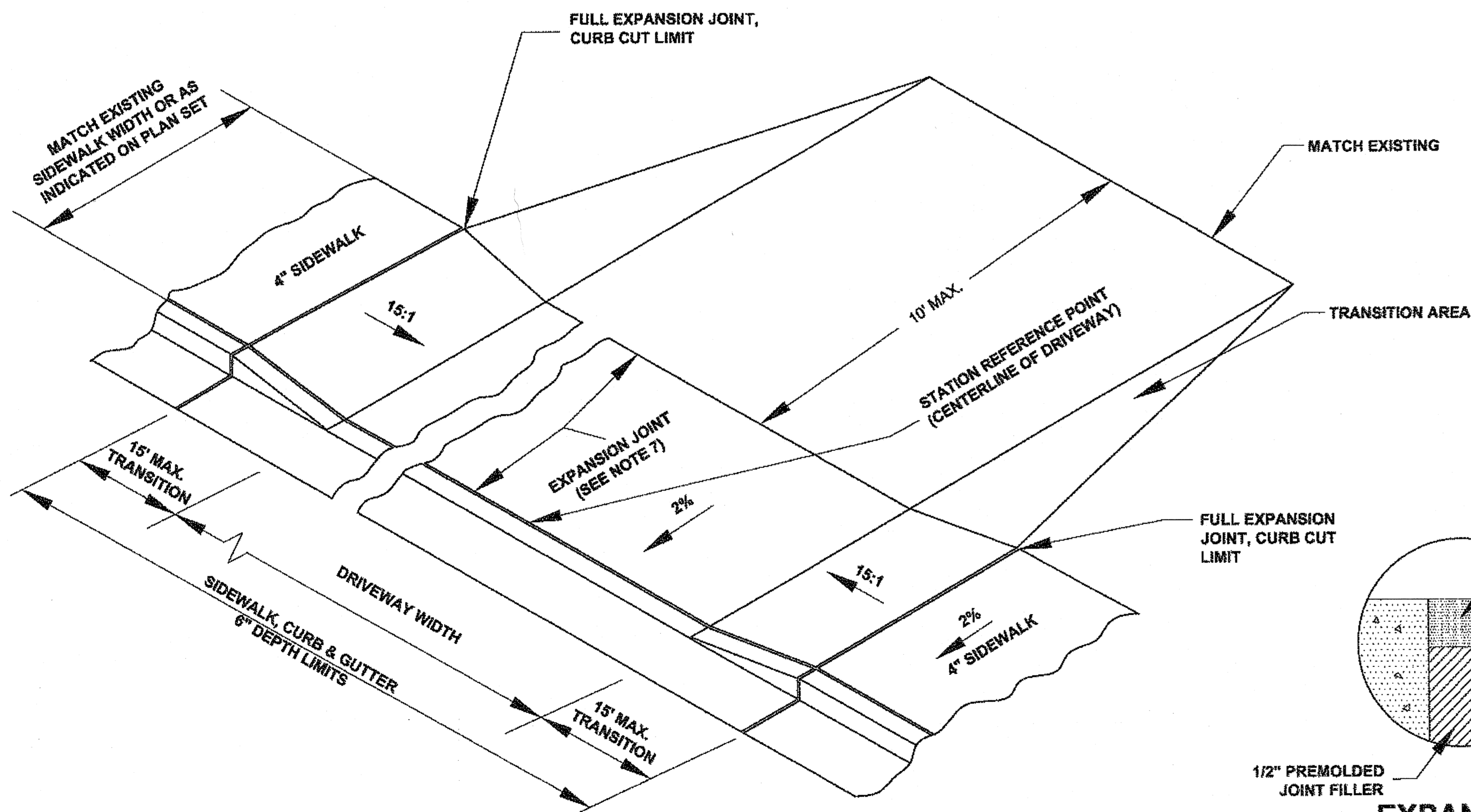
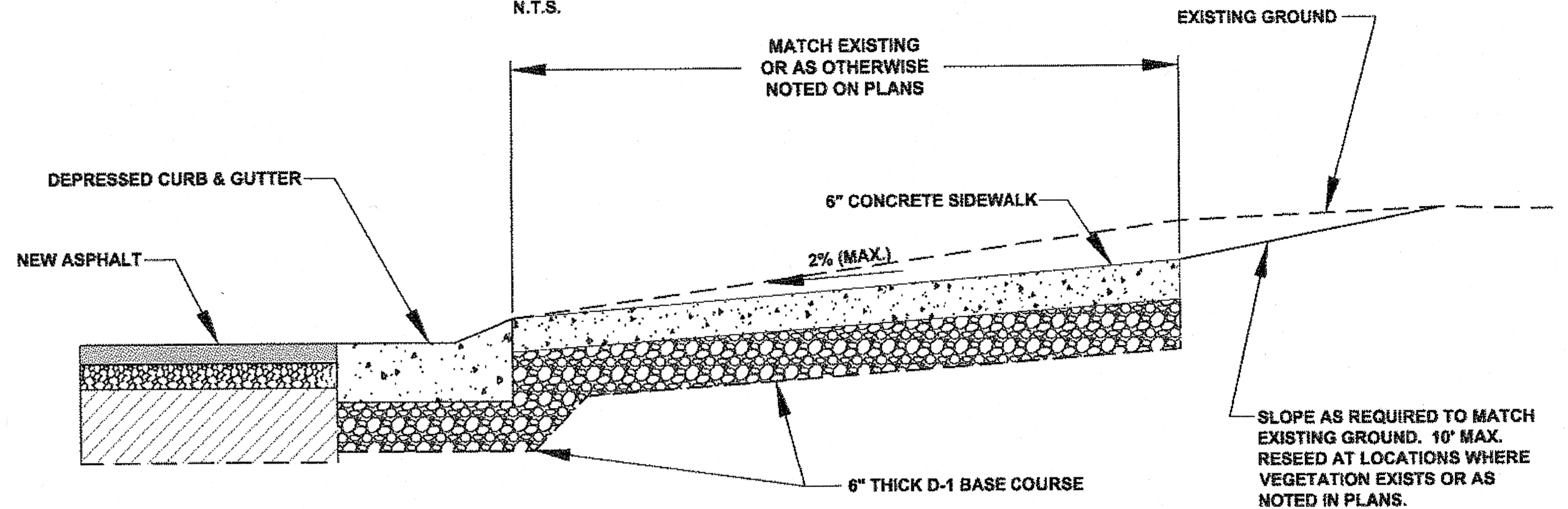
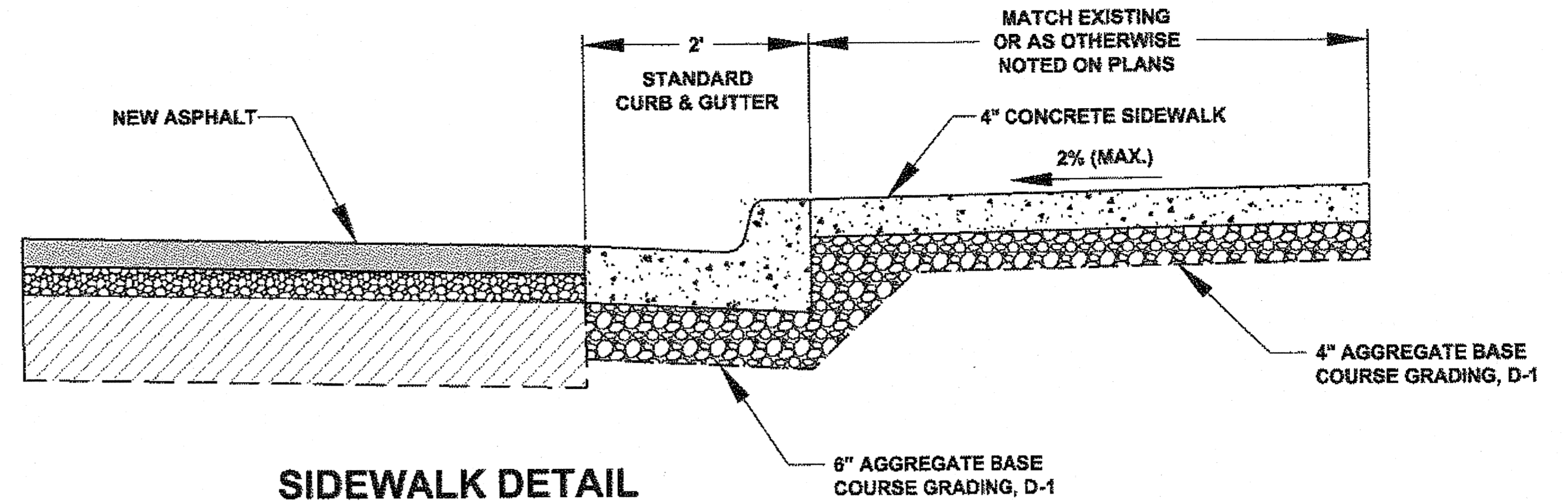
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

03 1-13-14



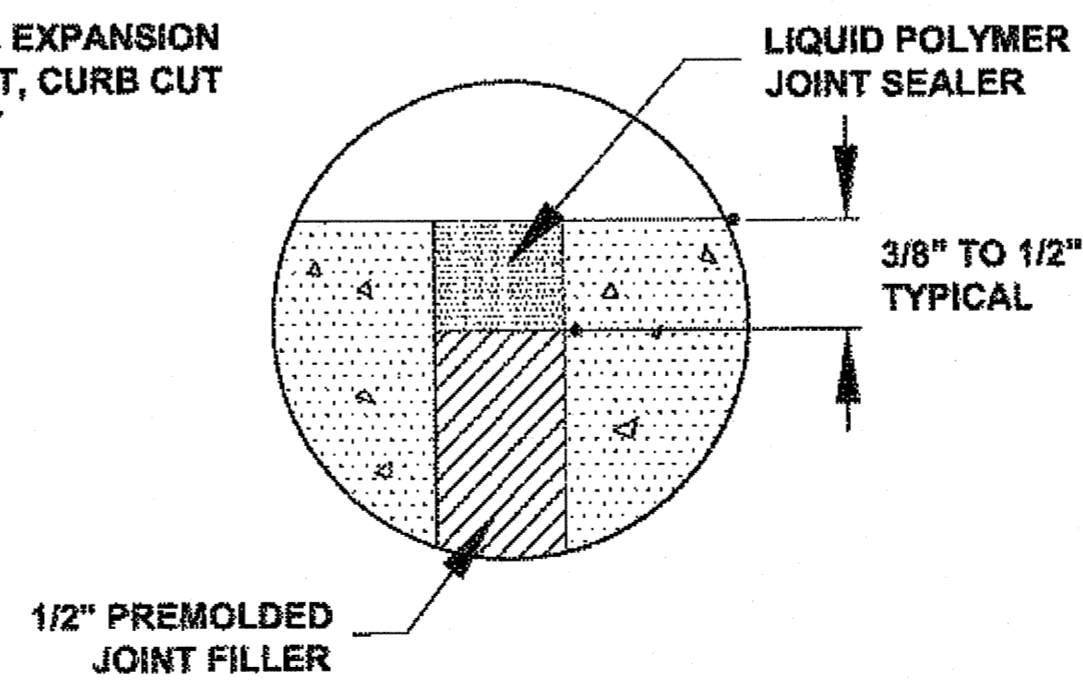
TYPICAL SIDEWALK, CURB & GUTTER DETAIL

N.T.S.



DRIVEWAY RAMP DETAIL

N.T.S.



EXPANSION JOINT DETAIL

N.T.S.

SIDEWALK, CURB & GUTTER NOTES:

1. CONCRETE SIDEWALKS, CURB & GUTTER EXPANSION JOINTS SHALL BE PLACED IMMEDIATELY PRECEDING AND FOLLOWING ALL CURB AND SIDEWALK CUTS. THEREAFTER, THEY SHALL BE PLACED AT 30' MAXIMUM.
2. CONCRETE SIDEWALKS DUMMY JOINTS SHALL EXTEND INTO CONCRETE 1/3 THE DEPTH AND 1/8" WIDE AT 5' MAXIMUM INTERVALS BETWEEN EXPANSION JOINTS.
3. ALL JOINTS AND SEAMS SHALL BE EDGED.
4. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING ON ALL SURFACES.
5. CURING COMPOUND SHALL BE APPLIED TO THE CONCRETE. APPLICATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.
6. CURB AND GUTTER CONSTRUCTION SHALL MAINTAIN EXISTING FLOW LINE.
7. EXPANSION JOINT REQUIRED BETWEEN SIDEWALK AND DRIVEWAY IF CONCRETE AND BETWEEN SIDEWALK AND CURB.
8. ALL CONCRETE WITHIN THE CURB CUT LIMITS FOR DRIVEWAYS SHALL BE 6" THICK AND SHALL BE POURED ON A 6" D-1 BASE COURSE COMPACTED TO 95% OF ITS MAXIMUM DENSITY.
9. FOR RAMPS, WHEN "CHASING GRADE", RAMP LENGTH NEED NOT EXCEED 15', BUT SLOPE MUST BE UNIFORM.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

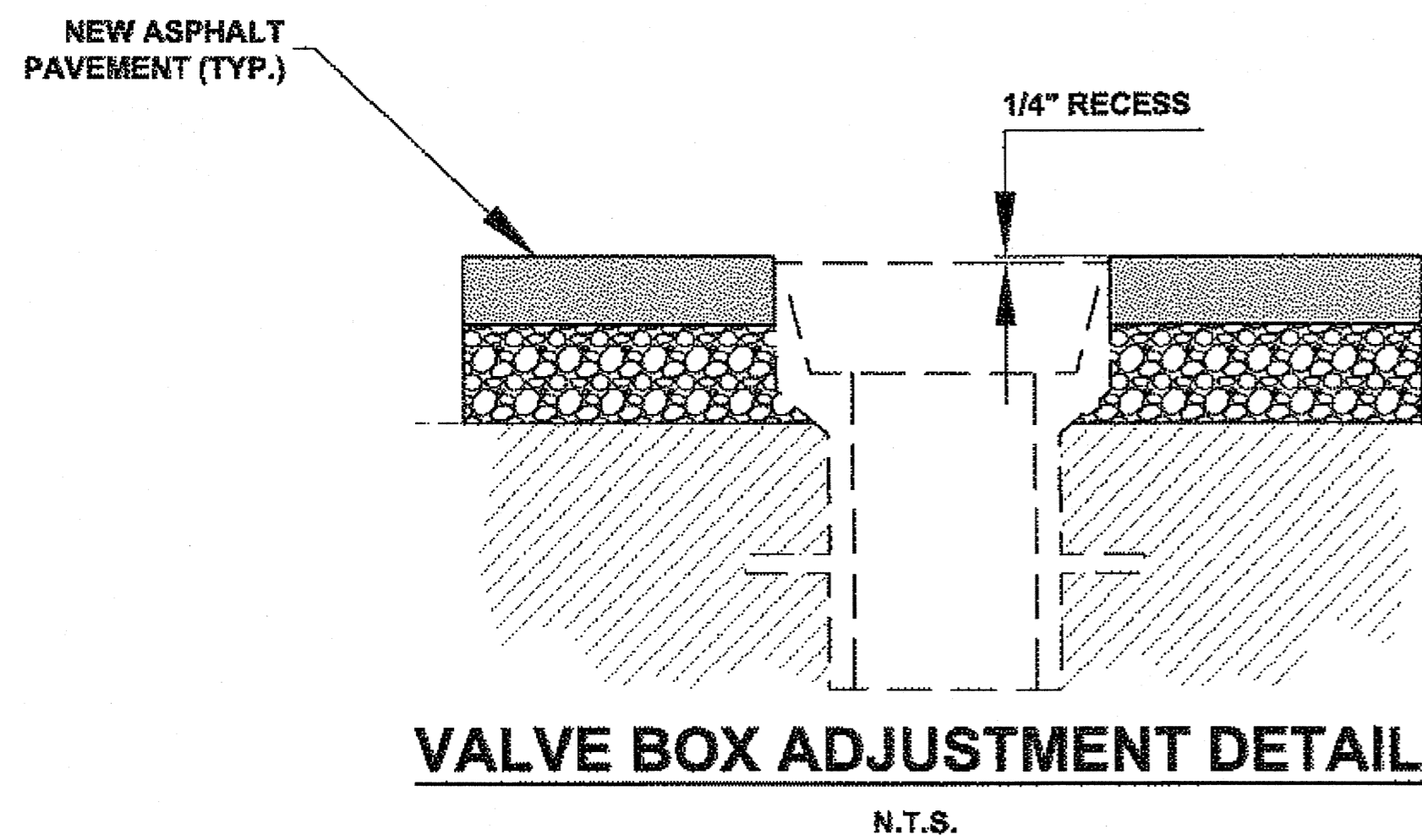
HNS: BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

MISC. DETAILS

DESIGNED BY: D. MULLINER
DRAWN BY: D. MULLINER

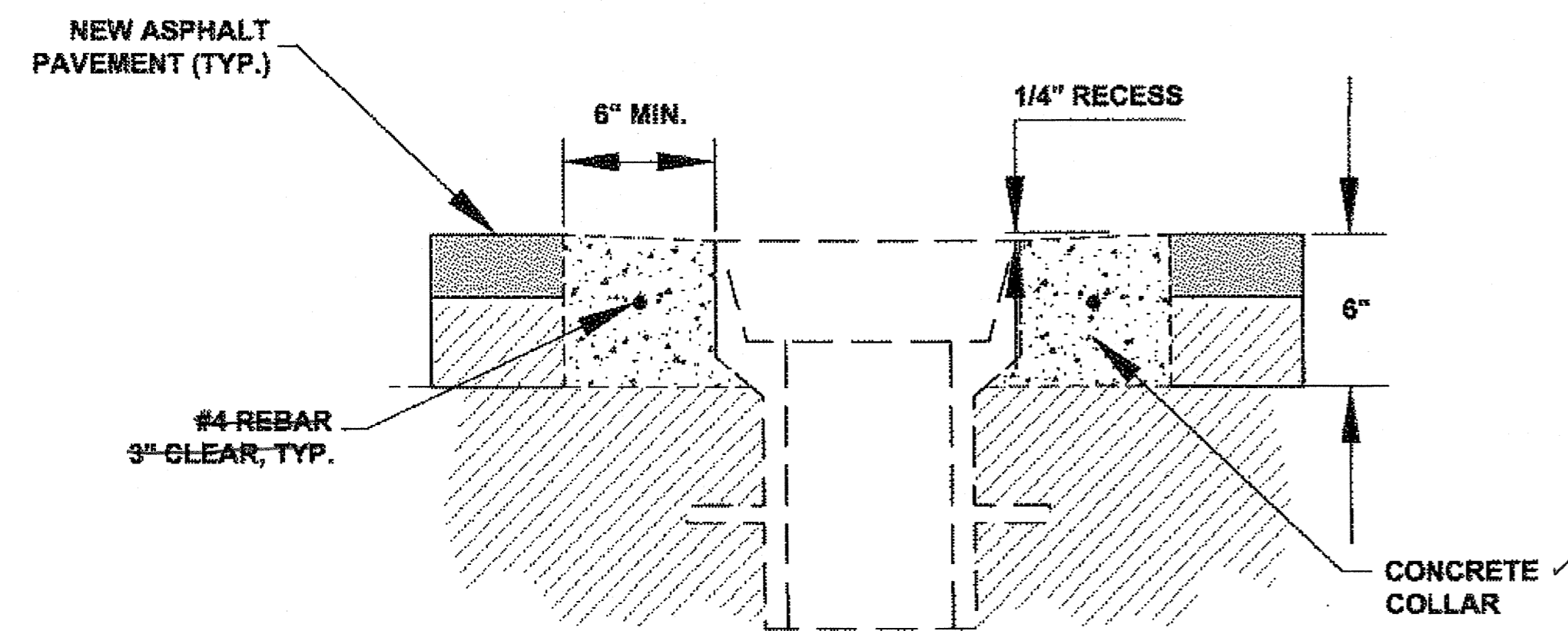
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TAB: J1 Monday, May 14, 2012 8:48:23 AM MULLINER, DOUGLAS J (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			69316	2012	J1	110



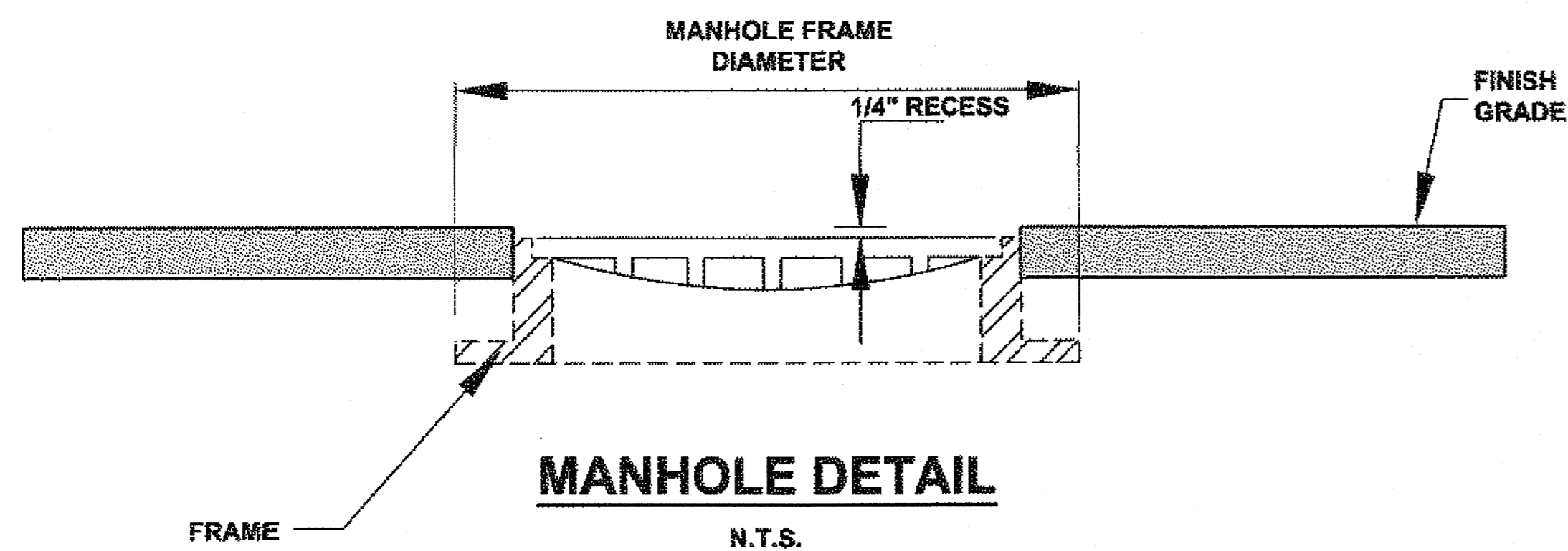
VALVE BOX ADJUSTMENT DETAIL

N.T.S.



MONUMENT CASE ADJUSTMENT DETAIL

N.T.S.

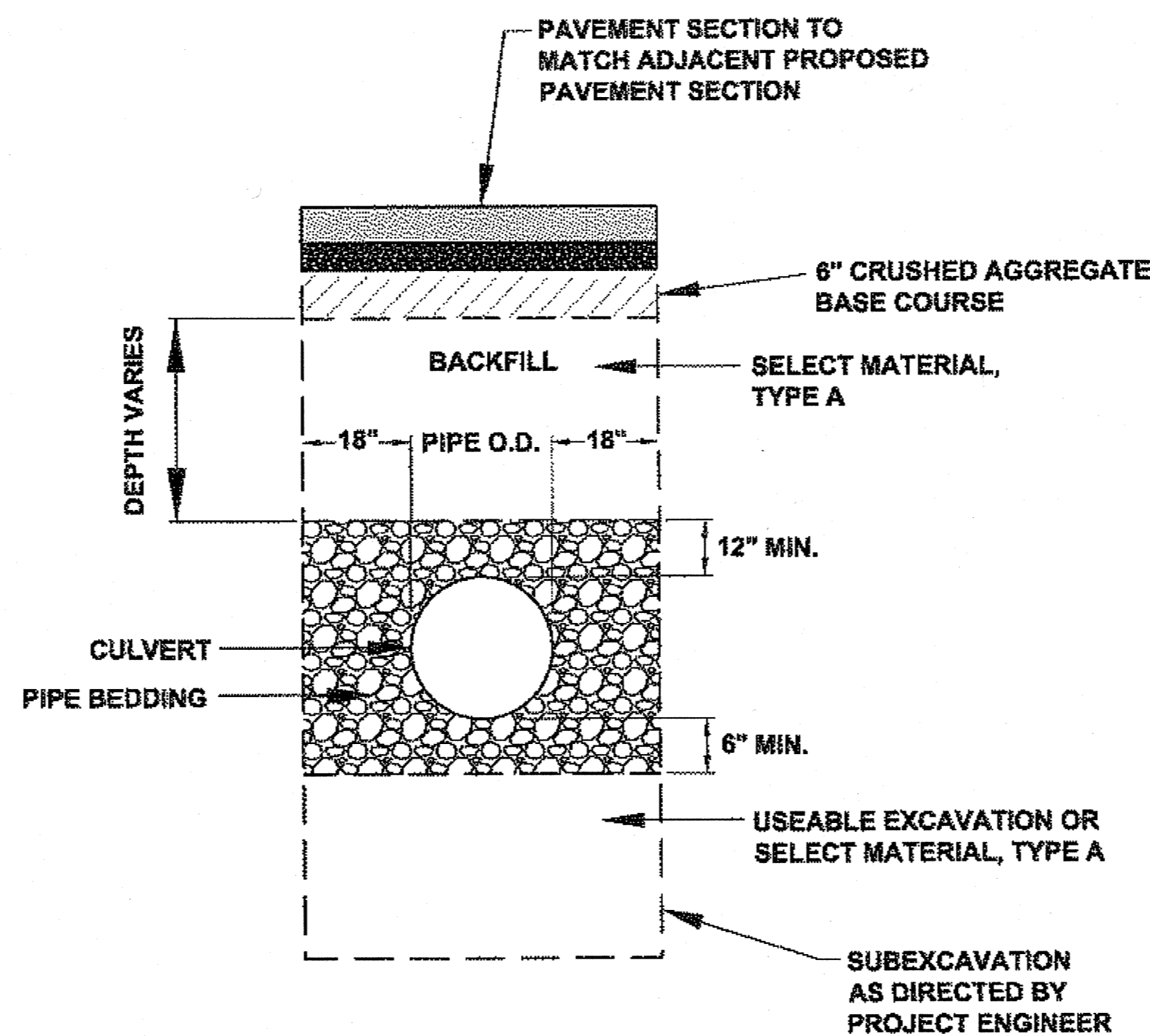


MANHOLE DETAIL

N.T.S.

MANHOLE ADJUSTMENT NOTES:

- ADJUSTING RINGS SHALL BE REPLACED IN ACCORDANCE TO EACH MANHOLE INVESTIGATION, CONDUCTED BY THE PROJECT ENGINEER.
- MANHOLE CASTING SHALL BE ADJUSTED TO CONFORM WITH SLOPE AND GRADE OF PROPOSED PAVEMENT.
- ADJUSTING RINGS SHALL BE PROPERLY SIZED FOR THE EXISTING CONE OR FLAT TOP OPENING, AND INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
- INSTALLATION OF FRAME, COVER, AND ADJUSTMENT RINGS, ONTO THE EXISTING STRUCTURE SHALL BE WATER-TIGHT.
- ADJUSTMENT RINGS SHALL BE LADTECH HDPE RINGS OR APPROVED EQUAL.

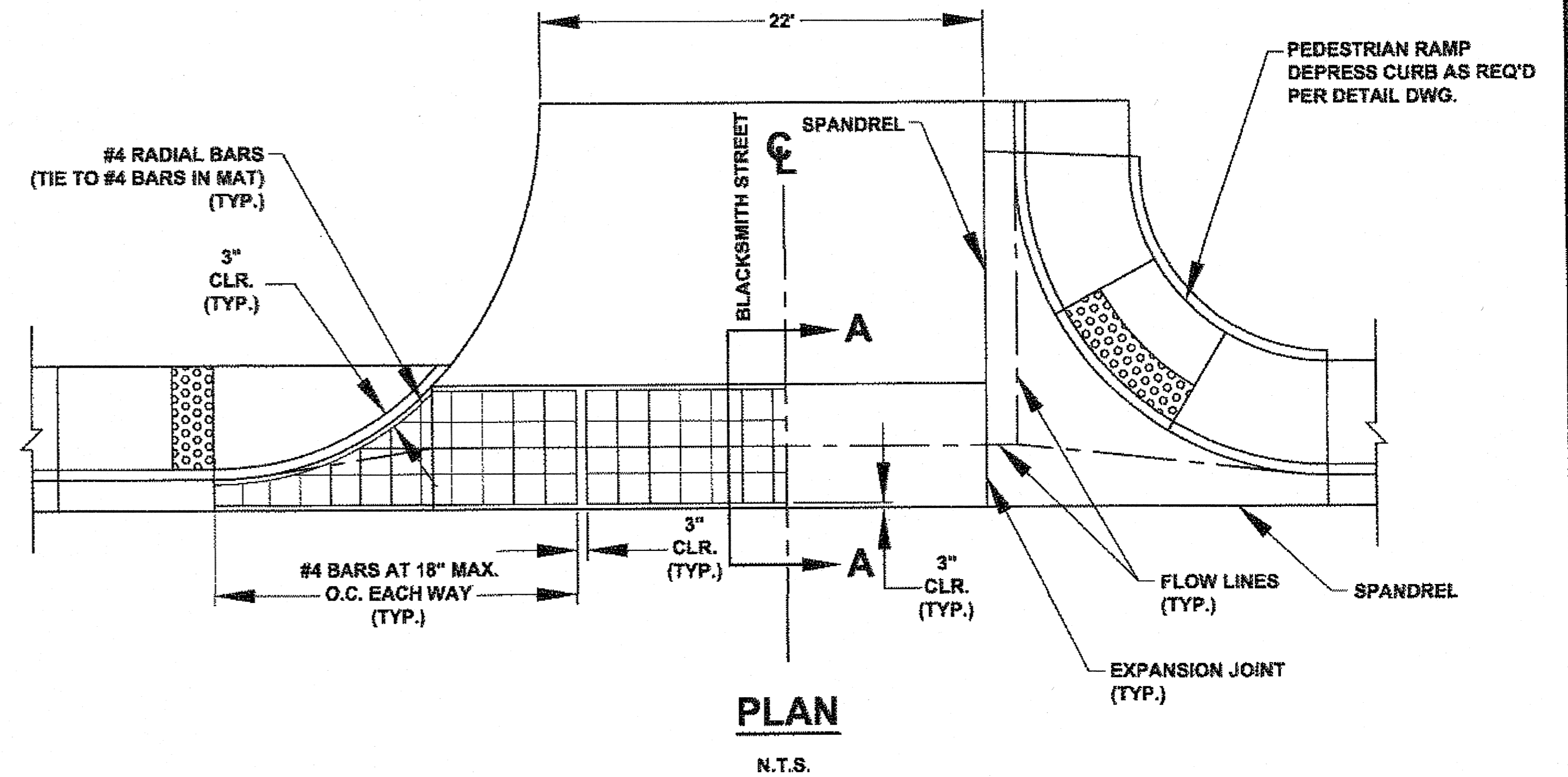


TYPICAL CULVERT BEDDING/BACKFILL SECTION

N.T.S.

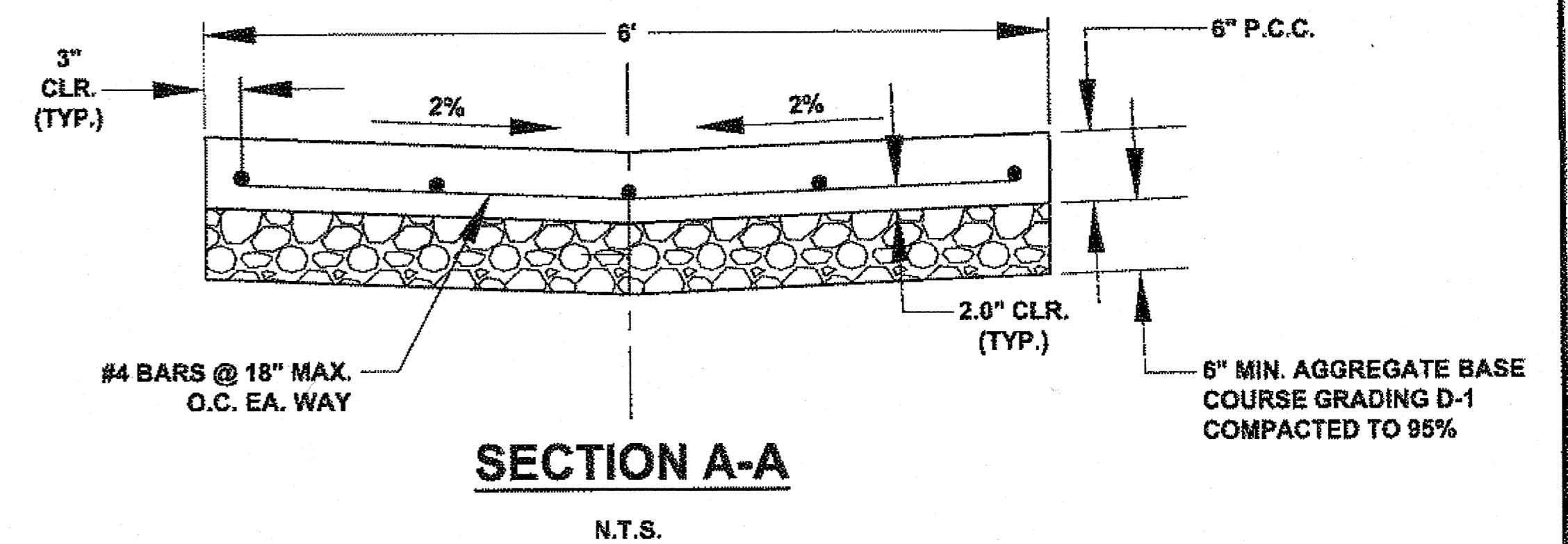
GENERAL NOTES:

- 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 BY THE PROJECT ENGINEER.
- NEW PIPE LENGTH SHALL MATCH EXISTING PIPE LENGTH UNLESS OTHERWISE DETAILED IN THESE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.



PLAN

N.T.S.



SECTION A-A

N.T.S.

NOTES:

- VALLEY GUTTER SHALL HAVE WEAKENED PLANE JOINTS EVERY 10 FEET.
- VALLEY GUTTER SECTIONS (SPANDRELS) ALONG CURB & GUTTER MAY BE A MONOLITHIC POUR AS SHOWN.

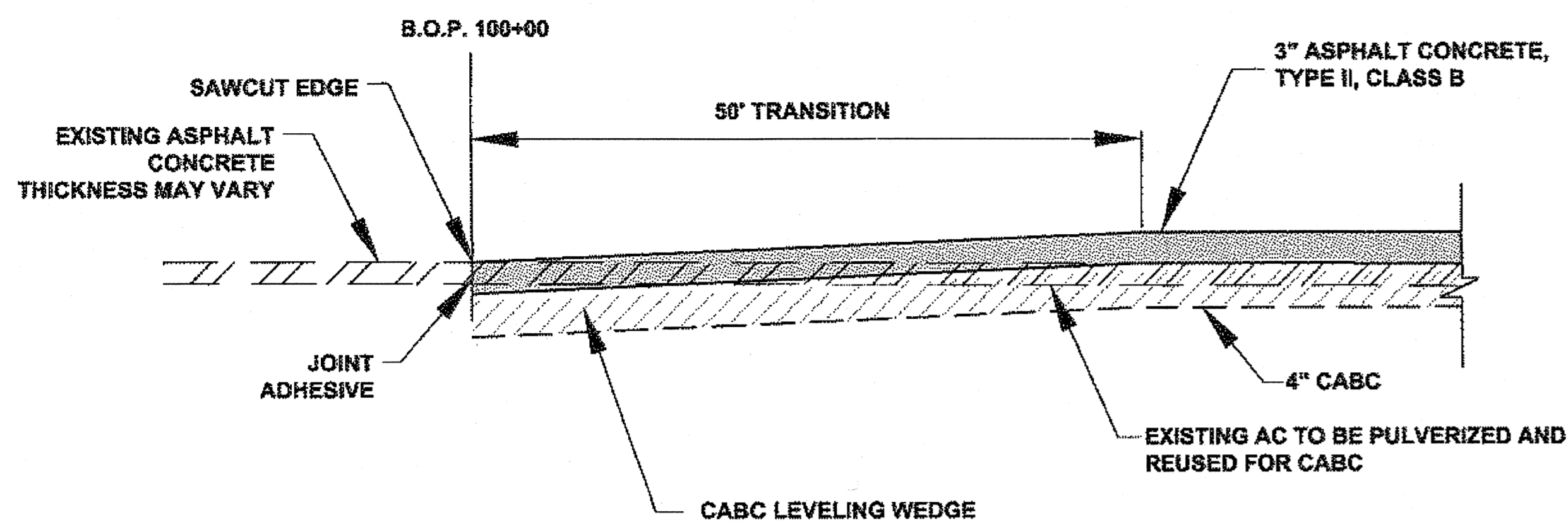
6' VALLEY GUTTER DETAIL (BLACKSMITH STREET)

N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

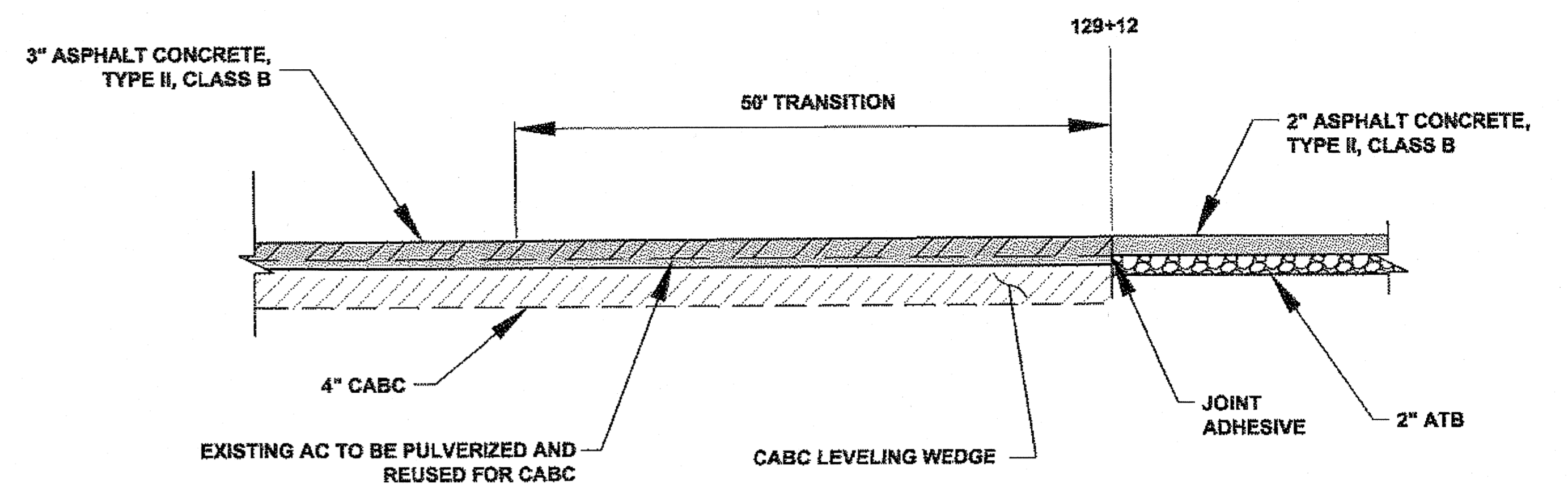
CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		HNS: BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316 MISC. DETAILS	
PATH: Q:\HNS\69316\EN\DOUG'S PLANSET\69316_J_MISC DETAILS.DWG TAB: J2 Monday, May 14, 2012 8:48:34 AM MULLINER, DOUGLAS J (DOT)			
REVISIONS NO. DATE DESCRIPTION	PROJECT DESIGNATION 69316	YEAR 2012	SHEET NO. J2
			TOTAL SHEETS 110

03 1-13-14



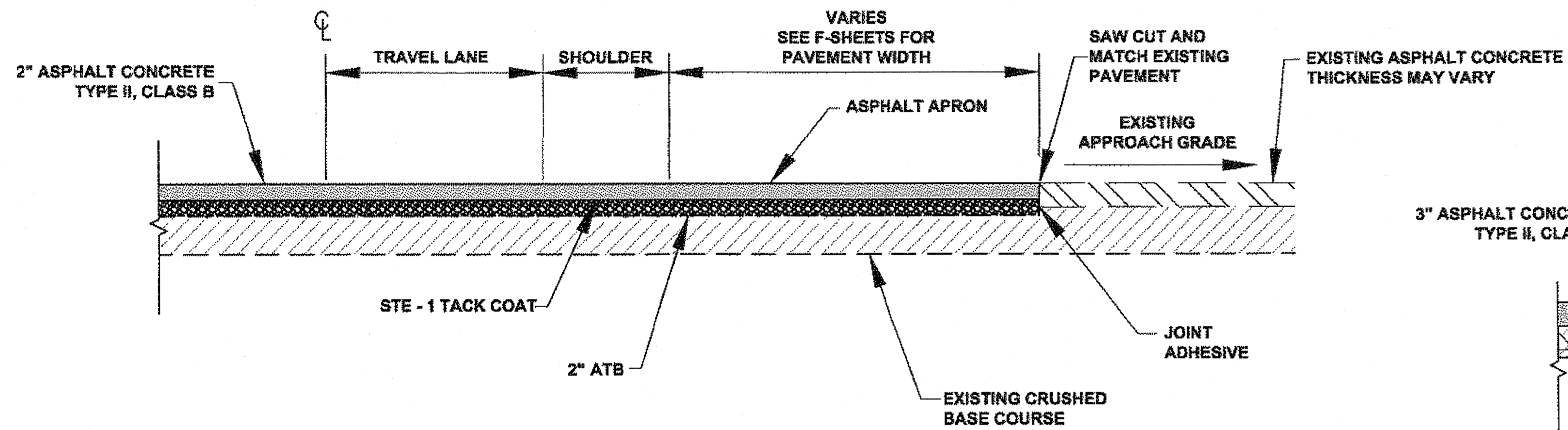
PAVEMENT TRANSITION DETAIL (BOP 100+00)

N.T.S.



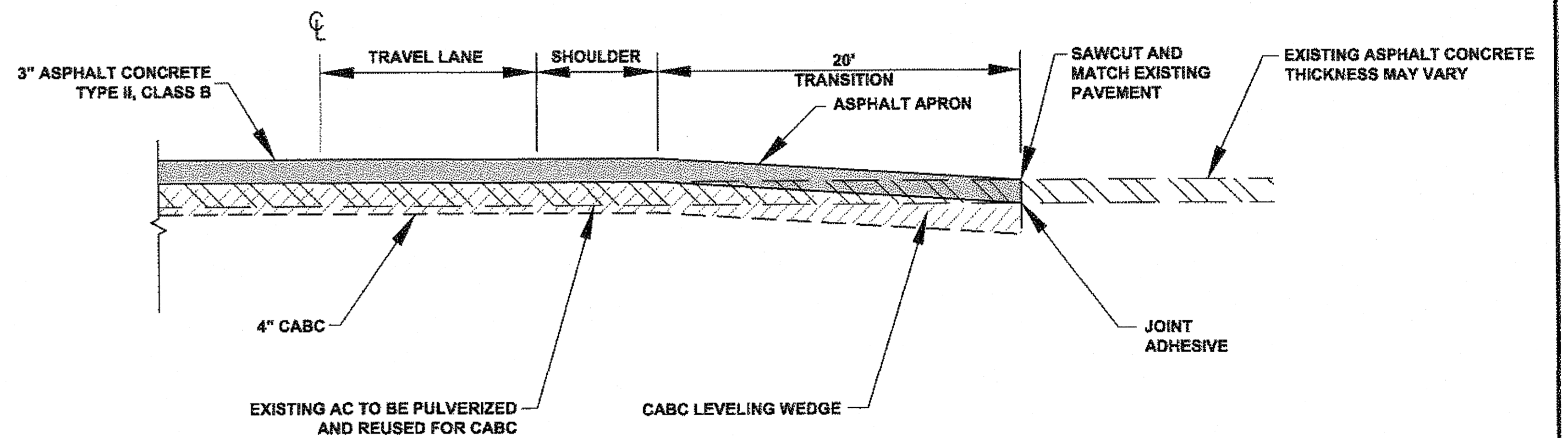
PAVEMENT TRANSITION DETAIL (STA. 129+12)

N.T.S.



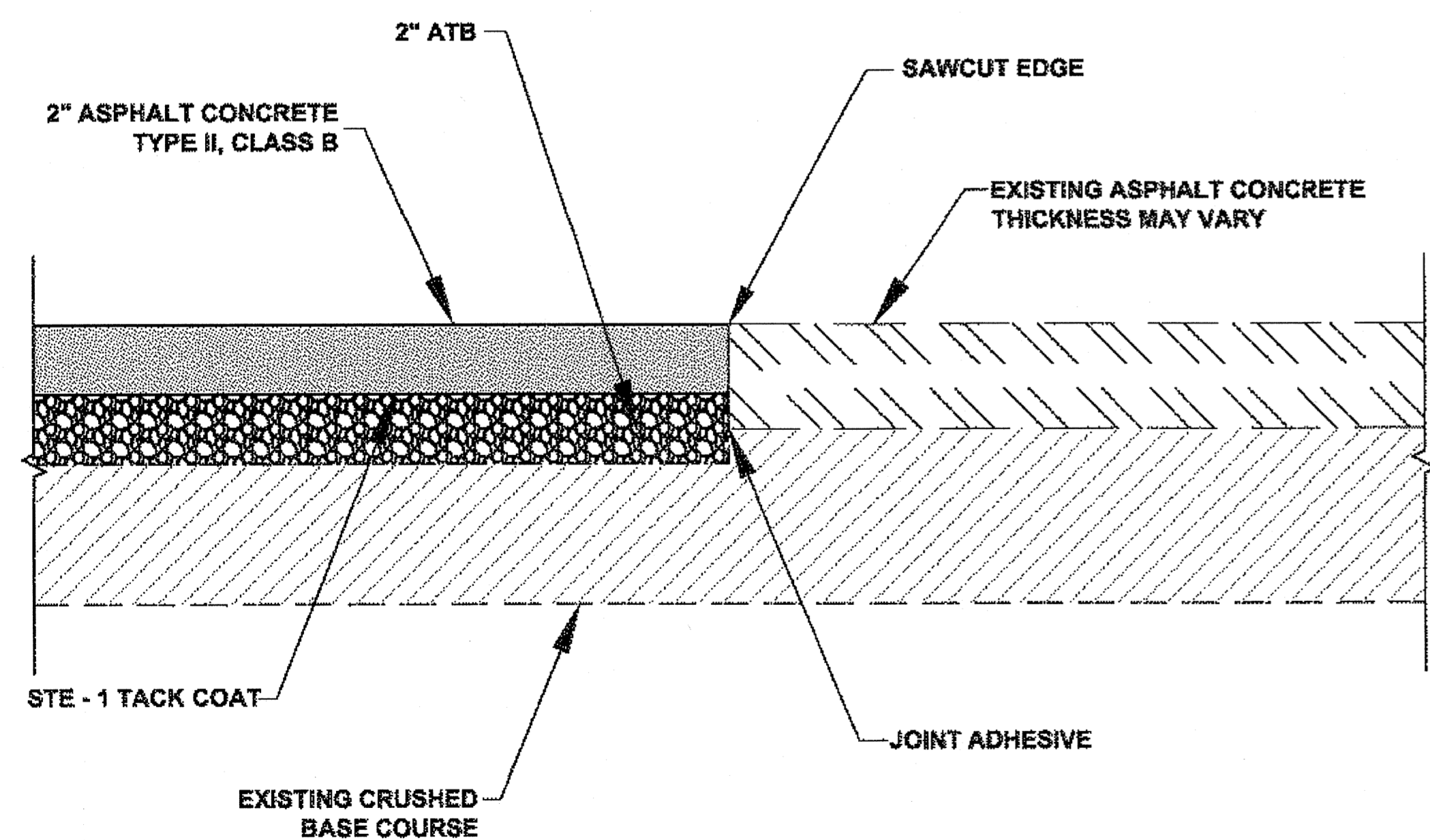
TOTEM STREET & PORTAGE DRIVE APPROACH PROFILE

N.T.S.



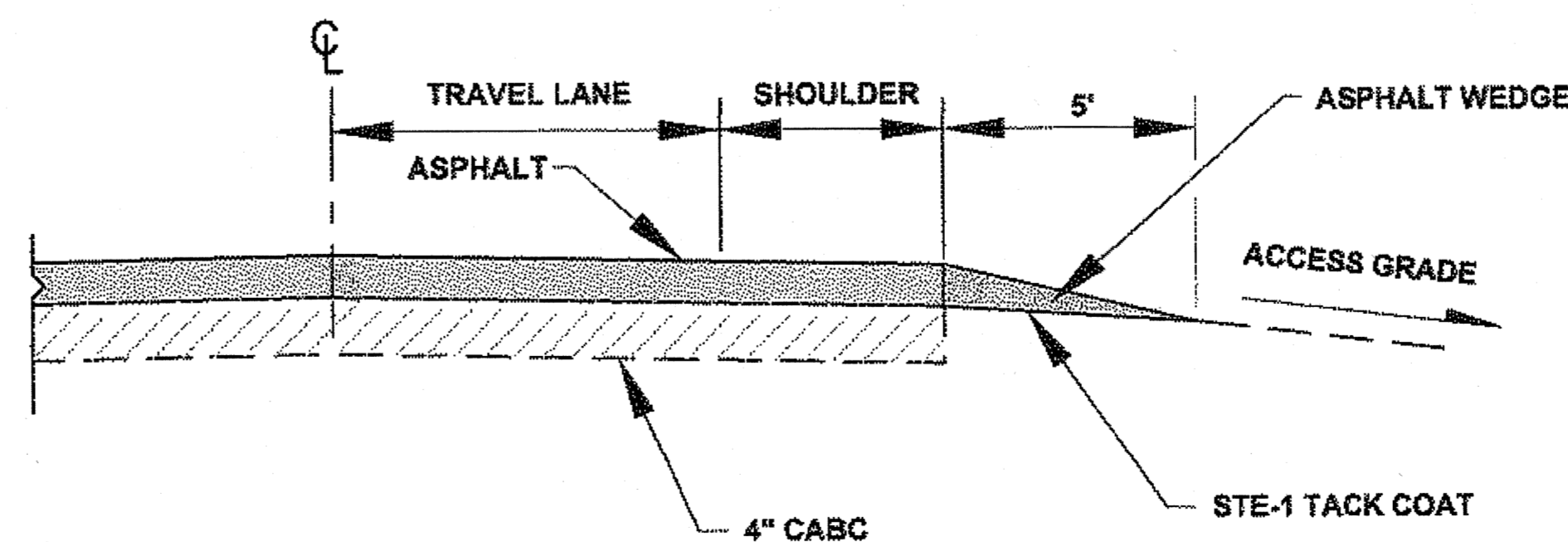
SOAP SUDS ALLEY APPROACH PROFILE

N.T.S.



MATCH JOINT DETAIL

N.T.S.



TYPICAL PAVED DRIVEWAY PROFILE

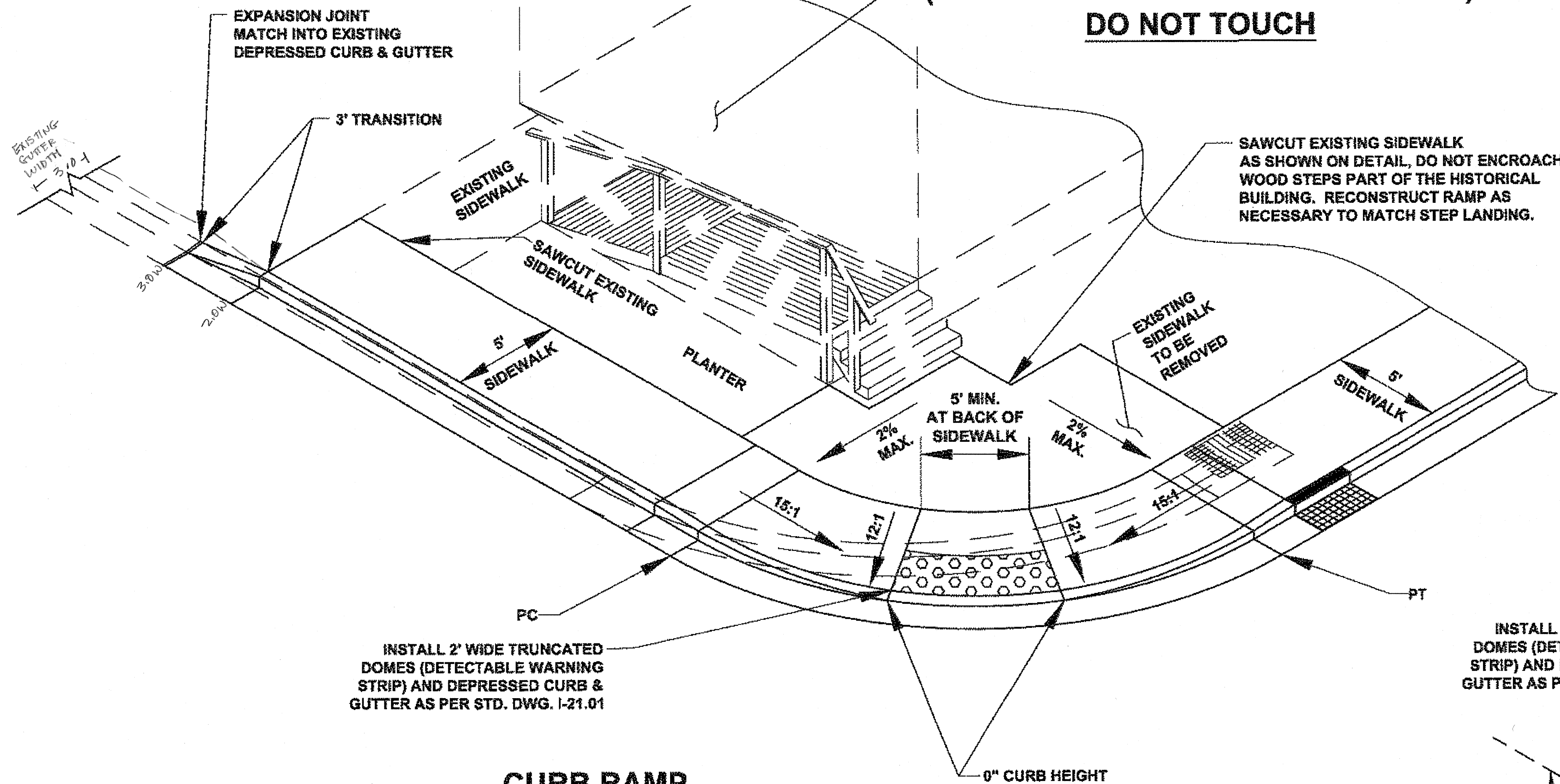
N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		HNS: BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316	
DESIGNED BY: D. MULLINER		MISC. DETAILS	
DRAWN BY: D. MULLINER			
PATH: Q:\HNS\69316\EN\DOUG'S PLANSET\69316_J_MISC DETAILS.DWG			
TAB: J3 Monday, May 14, 2012 8:48:48 AM		MULLINER, DOUGLAS J (DOT)	
REVISIONS		PROJECT DESIGNATION	YEAR
NO.	DATE	DESCRIPTION	
		69316	2012
			J3
			TOTAL SHEETS 110

B 1-13-14

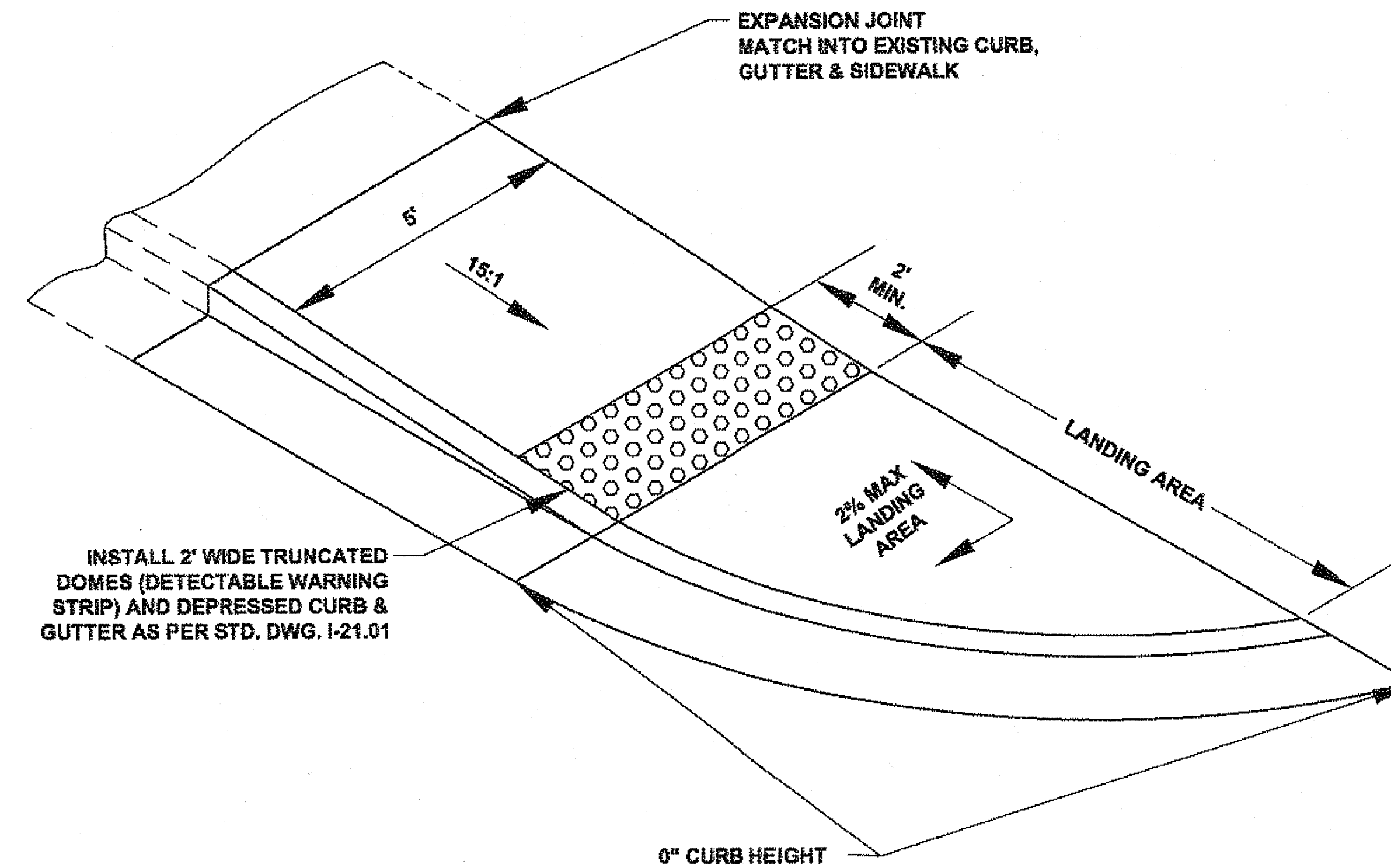
**HISTORICAL BUILDING
(SIGNAL CORPS OFFICE - SKG-00175)
DO NOT TOUCH**



INSTALL 2' WIDE TRUNCATED DOMES (DETECTABLE WARNING STRIP) AND DEPRESSED CURB & GUTTER AS PER STD. DWG. I-21.01

**CURB RAMP
PORTAGE DRIVE**

N.T.S.

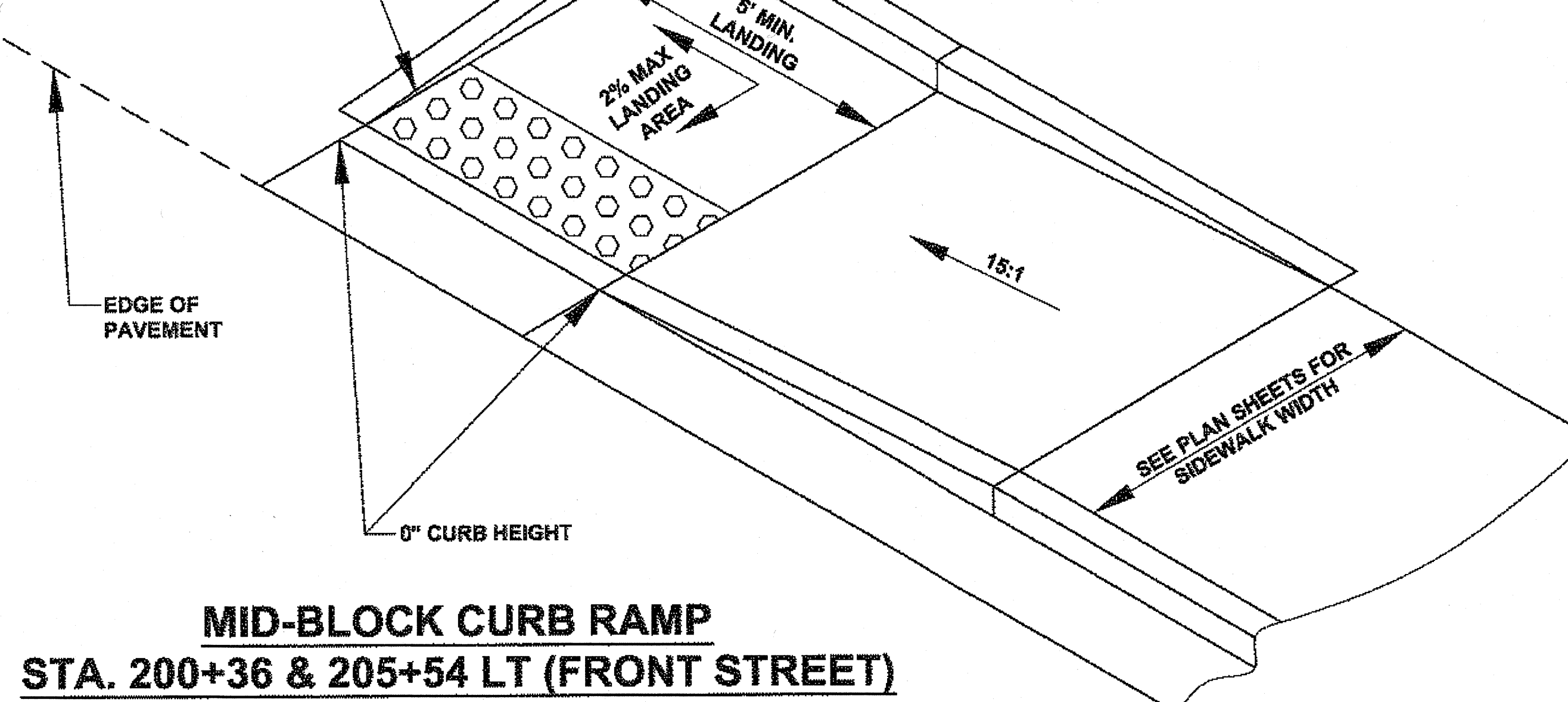


INSTALL 2' WIDE TRUNCATED DOMES (DETECTABLE WARNING STRIP) AND DEPRESSED CURB & GUTTER AS PER STD. DWG. I-21.01

ONE WAY DIRECTIONAL CURB RAMP

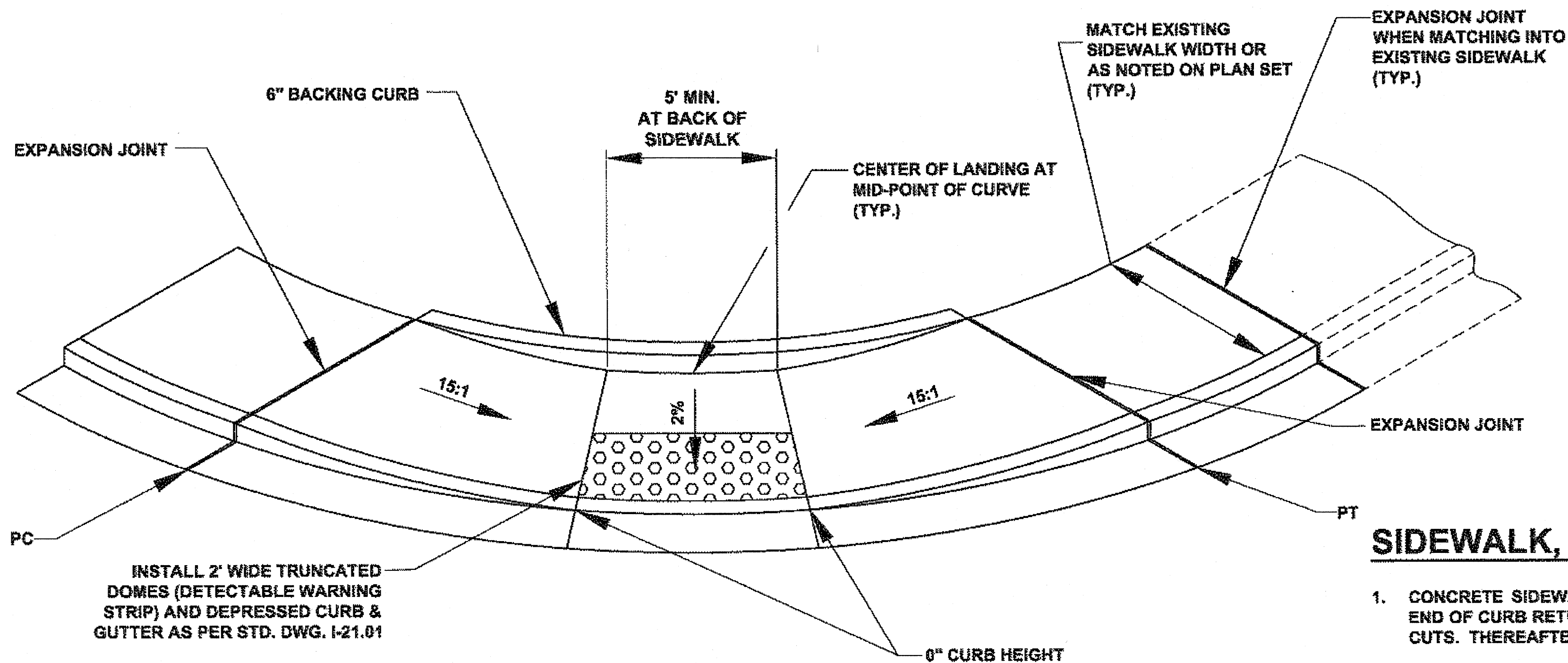
N.T.S.

INSTALL 2' WIDE TRUNCATED DOMES (DETECTABLE WARNING STRIP) AND DEPRESSED CURB & GUTTER AS PER STD. DWG. I-21.01



**MID-BLOCK CURB RAMP
STA. 200+36 & 205+54 LT (FRONT STREET)**

N.T.S.



INSTALL 2' WIDE TRUNCATED DOMES (DETECTABLE WARNING STRIP) AND DEPRESSED CURB & GUTTER AS PER STD. DWG. I-21.01

CURB RAMP DETAIL

N.T.S.

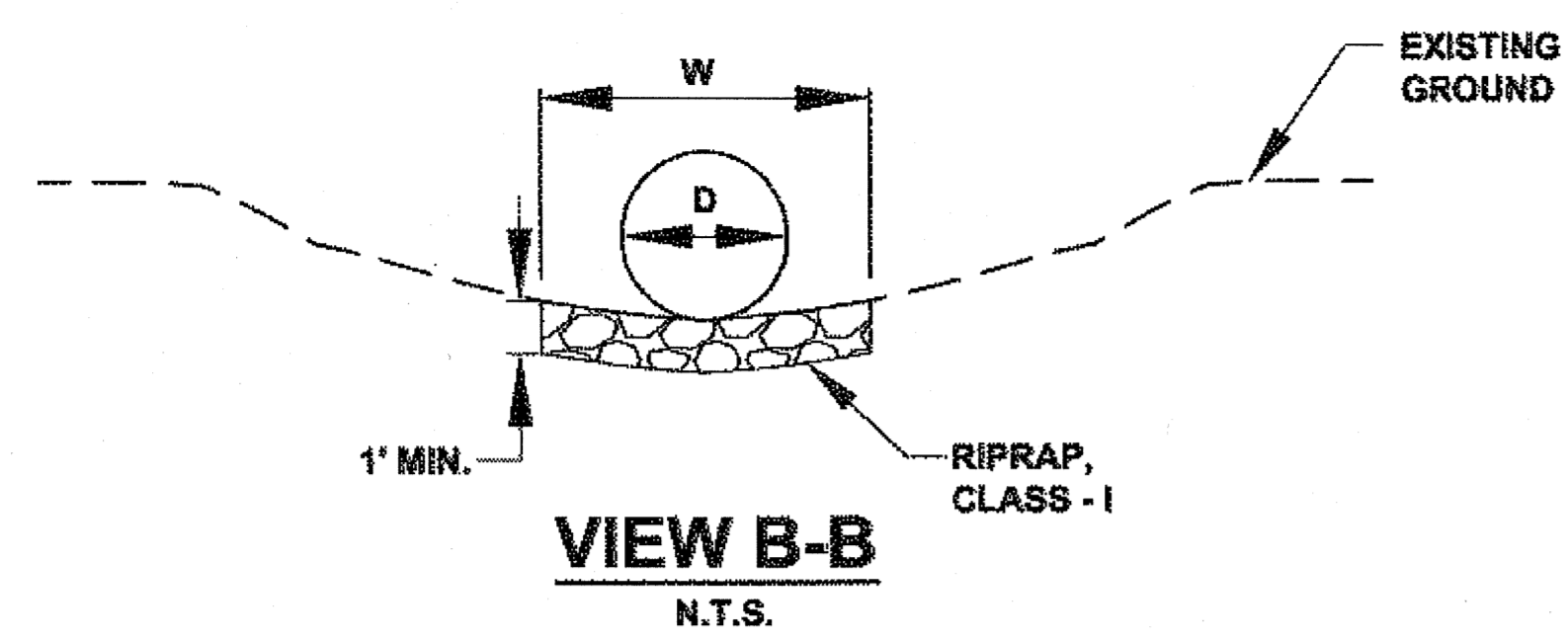
SIDEWALK, CURB & GUTTER NOTES:

1. CONCRETE SIDEWALKS, CURB & GUTTER EXPANSION JOINTS SHALL BE AT EACH END OF CURB RETURNS AND IMMEDIATELY PRECEDING AND FOLLOWING ALL CURB CUTS. THEREAFTER, THEY SHALL BE PLACED AT 30' MAXIMUM.
2. FOR WARNING TILE TEXTURE PATTERN DETAIL AND DIMENSIONS REFER TO AK STD. DRAWING I-21.01.
3. FOR RAMPS, WHEN "CHASING GRADE", RAMP LENGTH NEED NOT EXCEED 15', BUT SLOPE MUST BE UNIFORM.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER		HNS: BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316	
DRAWN BY: D. MULLINER		MISC. DETAILS	
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NO.	DATE	DESCRIPTION	J4
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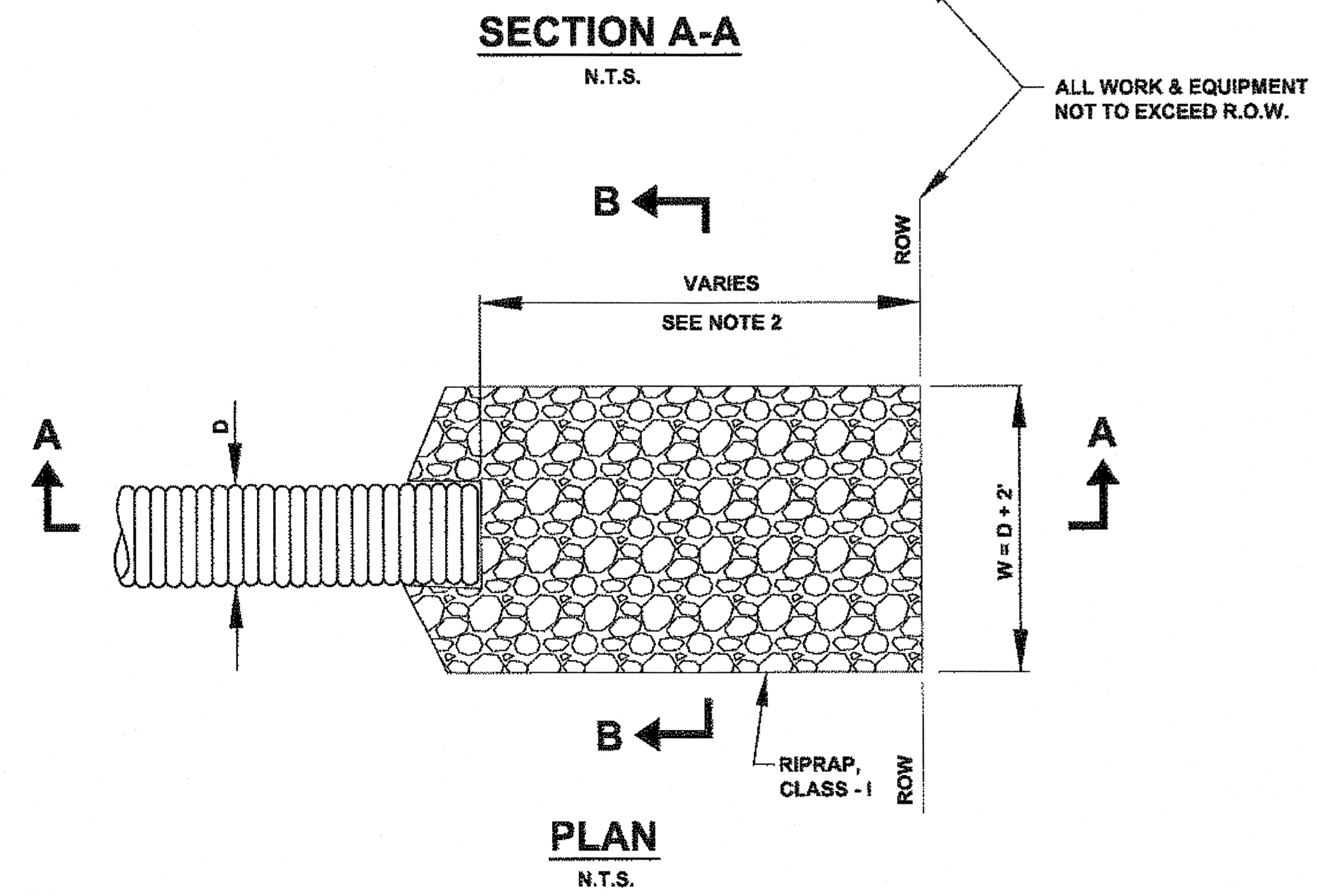
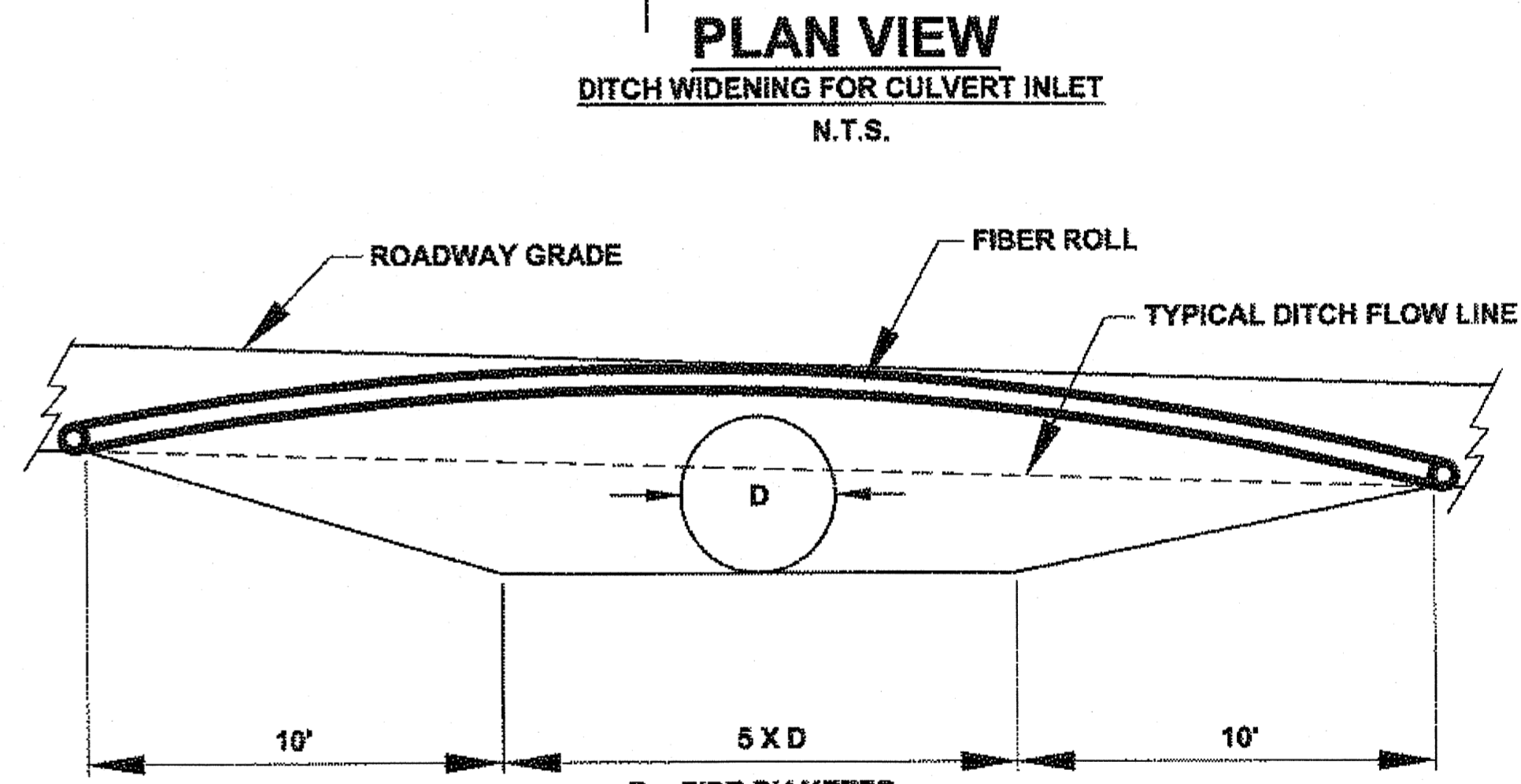
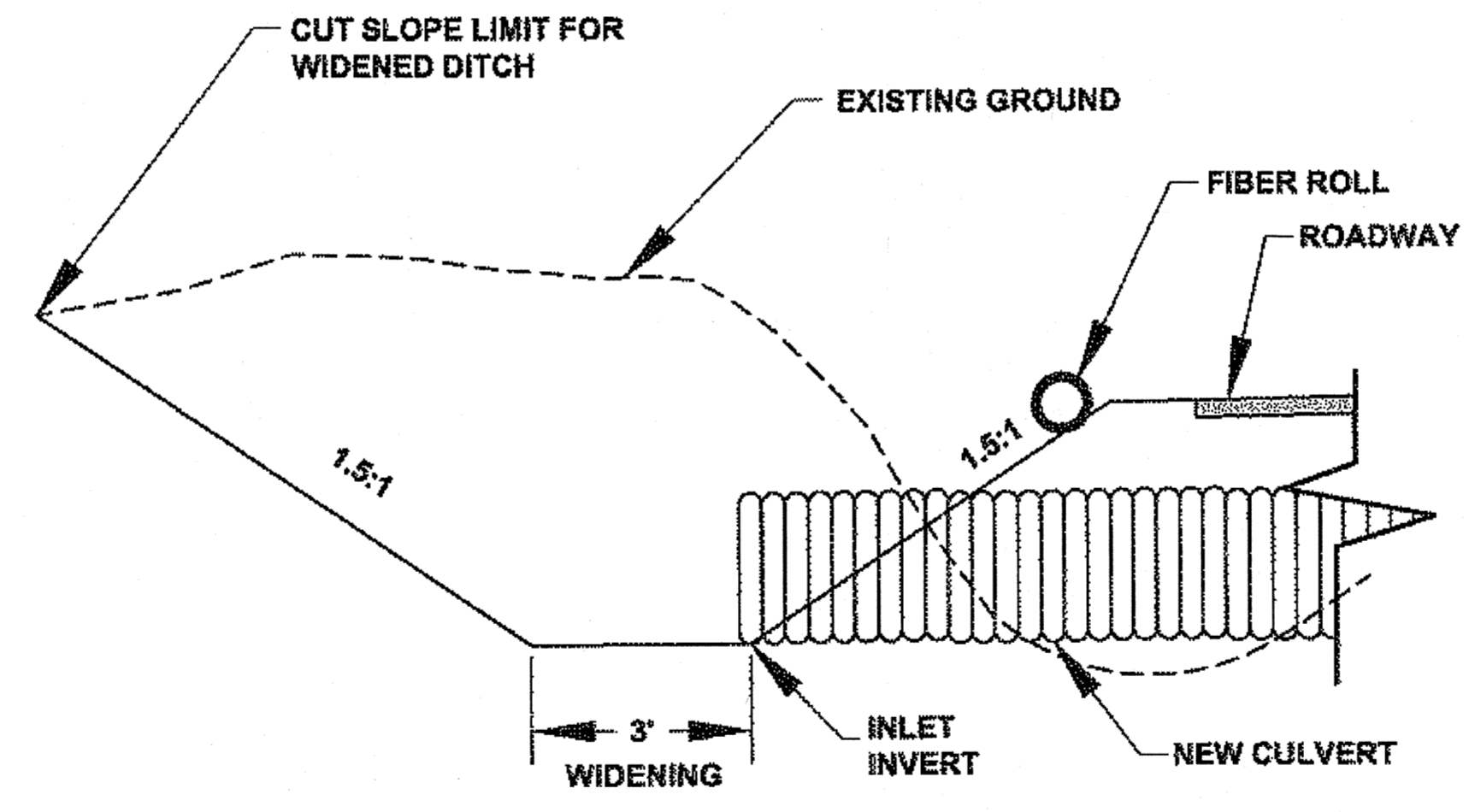
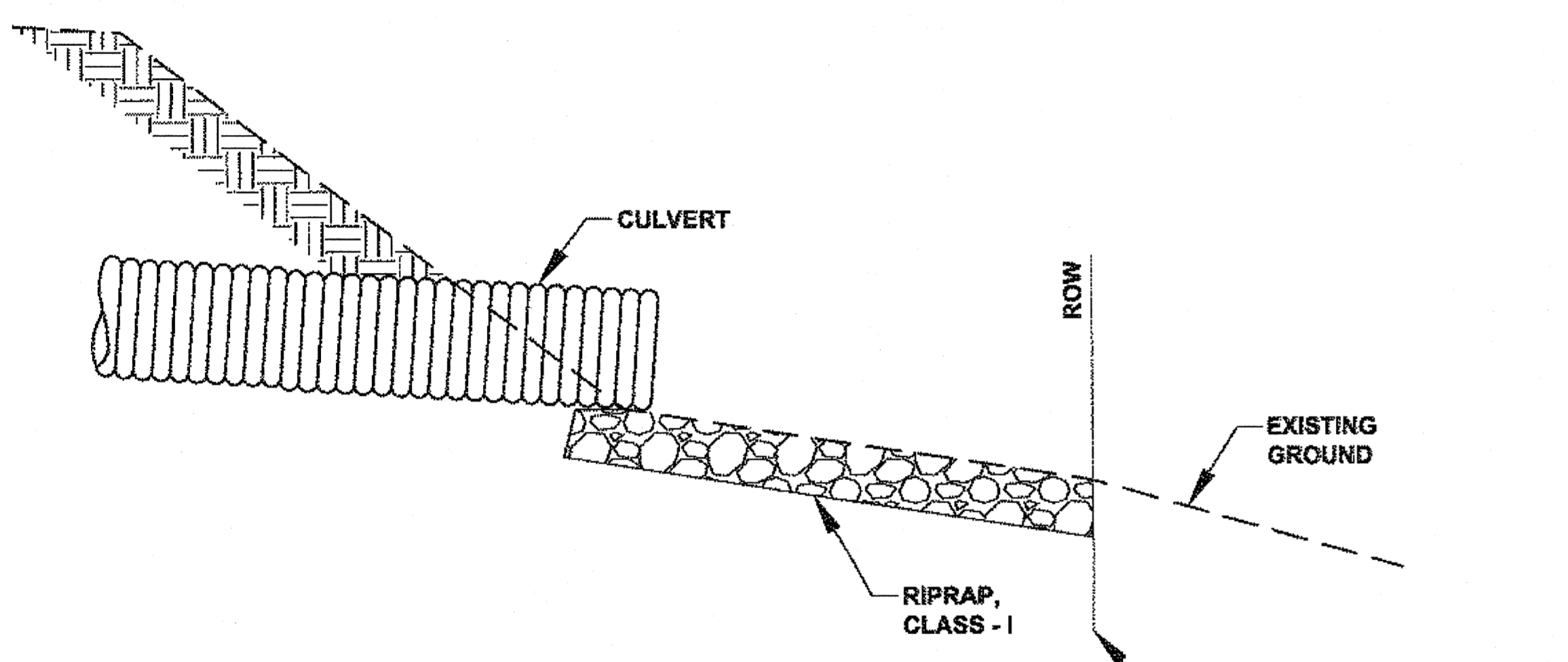
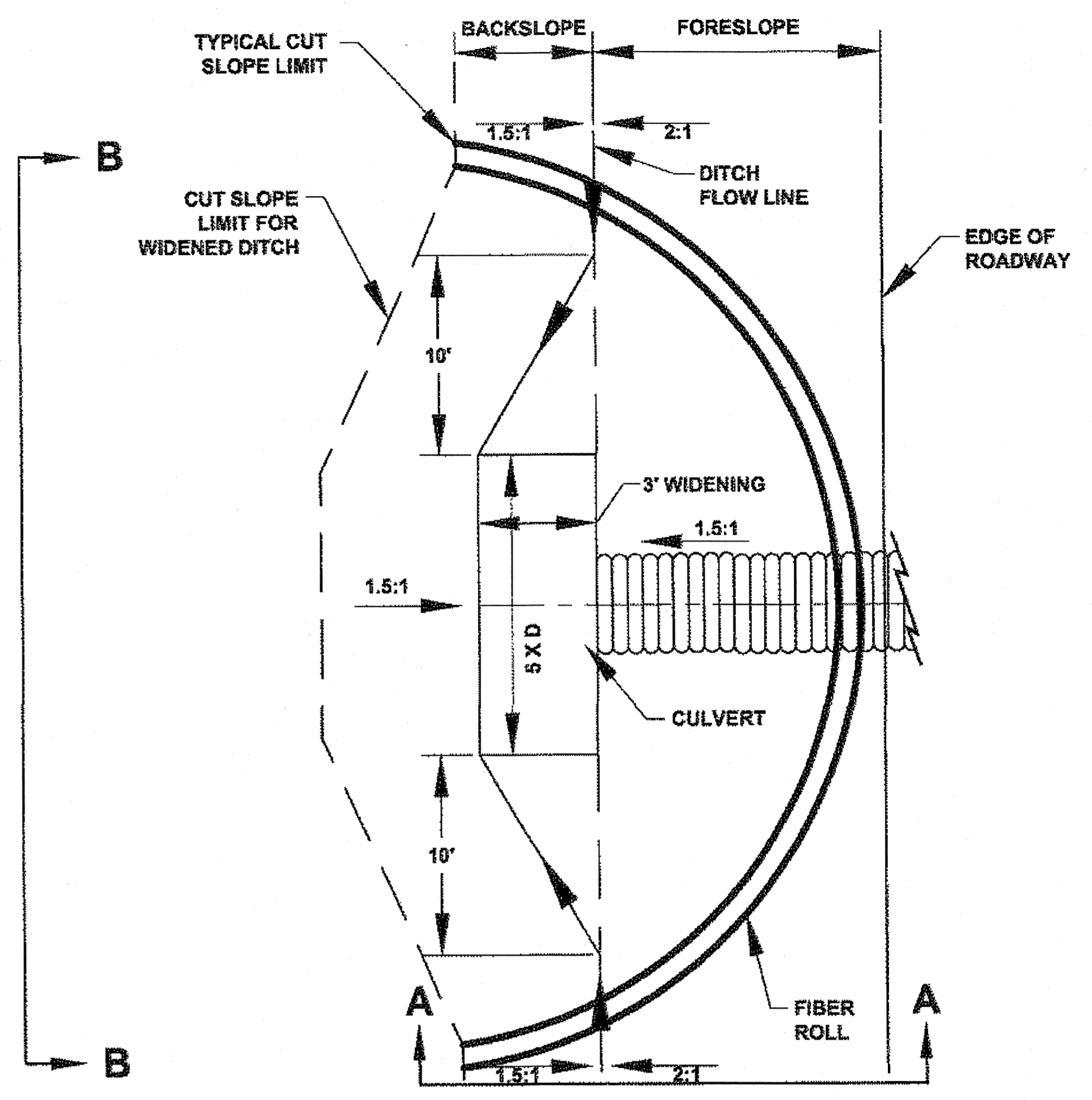
B 1-13-14



- NOTES:**
1. FOR CULVERT LOCATIONS AND REPLACEMENT SEE SHEET C-3.
 2. CONSTRUCT RIPRAP APRON MINIMUM 5' BEYOND OUTLET UNLESS OTHERWISE SHOWN ON PLANS.

DITCH WIDENING NOTES:

1. STANDARD DITCH GRADE TRANSITIONS FROM V BOTTOM DITCH TO 3 FT. FLAT BOTTOM DITCH.
2. TRANSITION NEW DITCH & FORESLOPE SMOOTHLY TO MATCH EXISTING CONDITIONS AS DIRECTED BY THE ENGINEER. TRANSITION FORESLOPE FROM 2:1 TO 1.5:1 AT CULVERT.
3. AT THE DIRECTION OF THE ENGINEER, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY BE REQUIRED AT LOCATIONS OTHER THAN THOSE SPECIFIED.
4. STABILIZE DITCH AS DIRECTED.



DITCH WIDENING DETAIL

N.T.S.

ELEVATION VIEW B-B

N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
DRAWN BY: D. MULLINER

STATE OF ALASKA
49th
KEITH J. KARPSTEIN
CE-12904
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

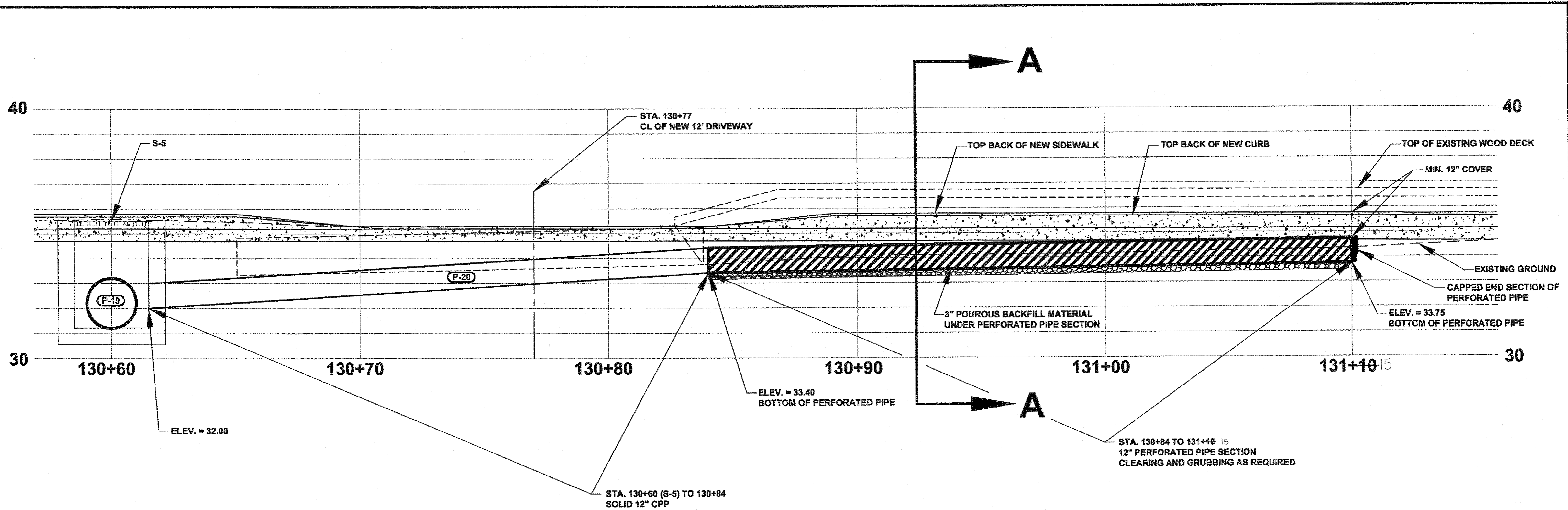
HNS: BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS
PROJECT #69316

MISC. DETAILS

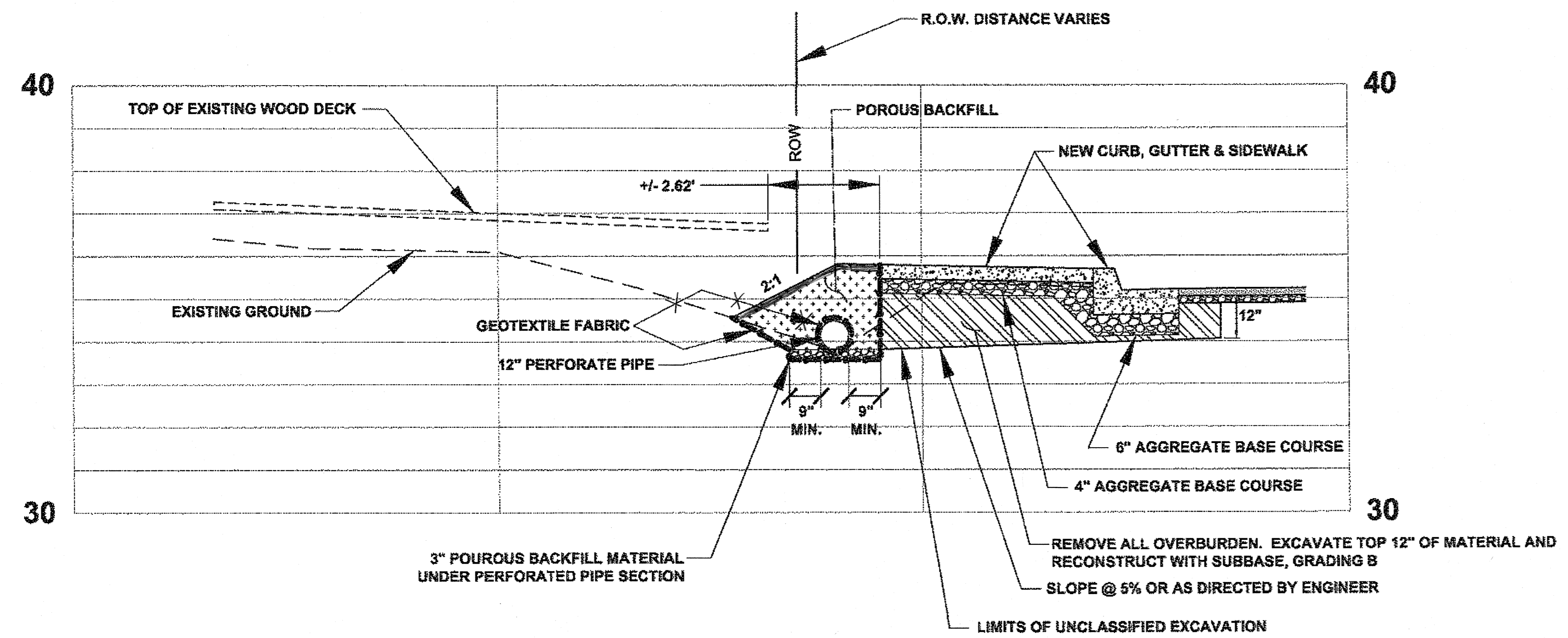
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REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			69316	2012	J5	110

B 1-13-14



130+60 TO 131+10 12" CPP & 12" PERFORATED PIPE SECTION
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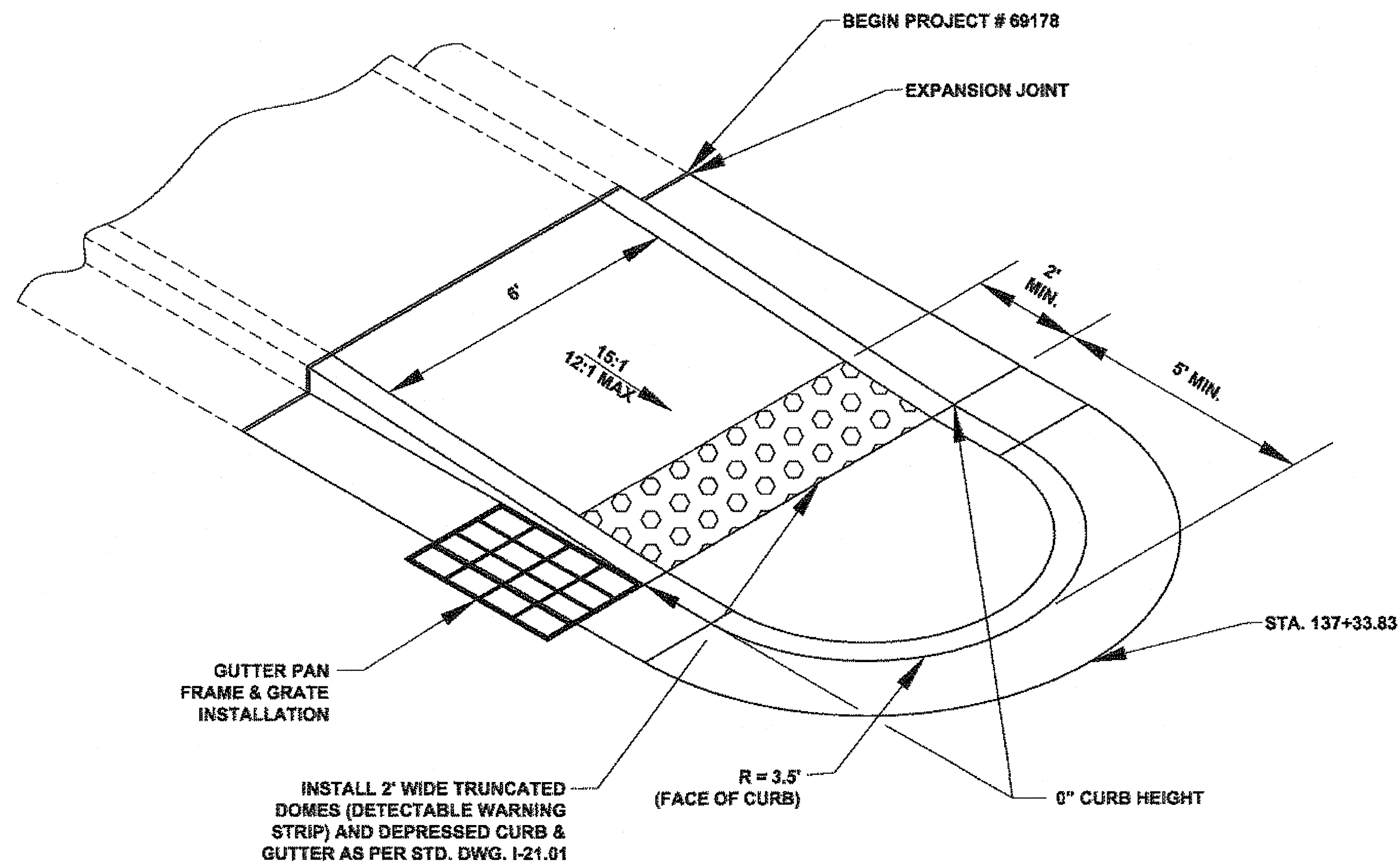


130+84 TO 131+10 - 12" PERFORATED PIPE SECTION A - A
N.T.S.

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CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION																						
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		HNS: BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316																						
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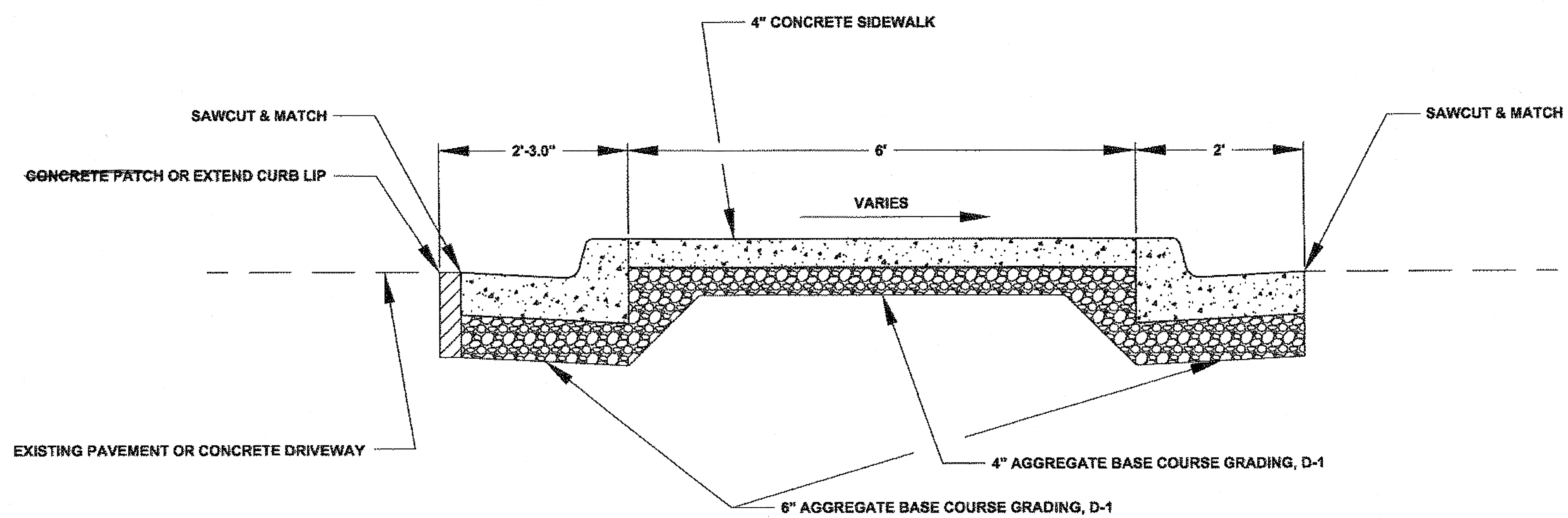
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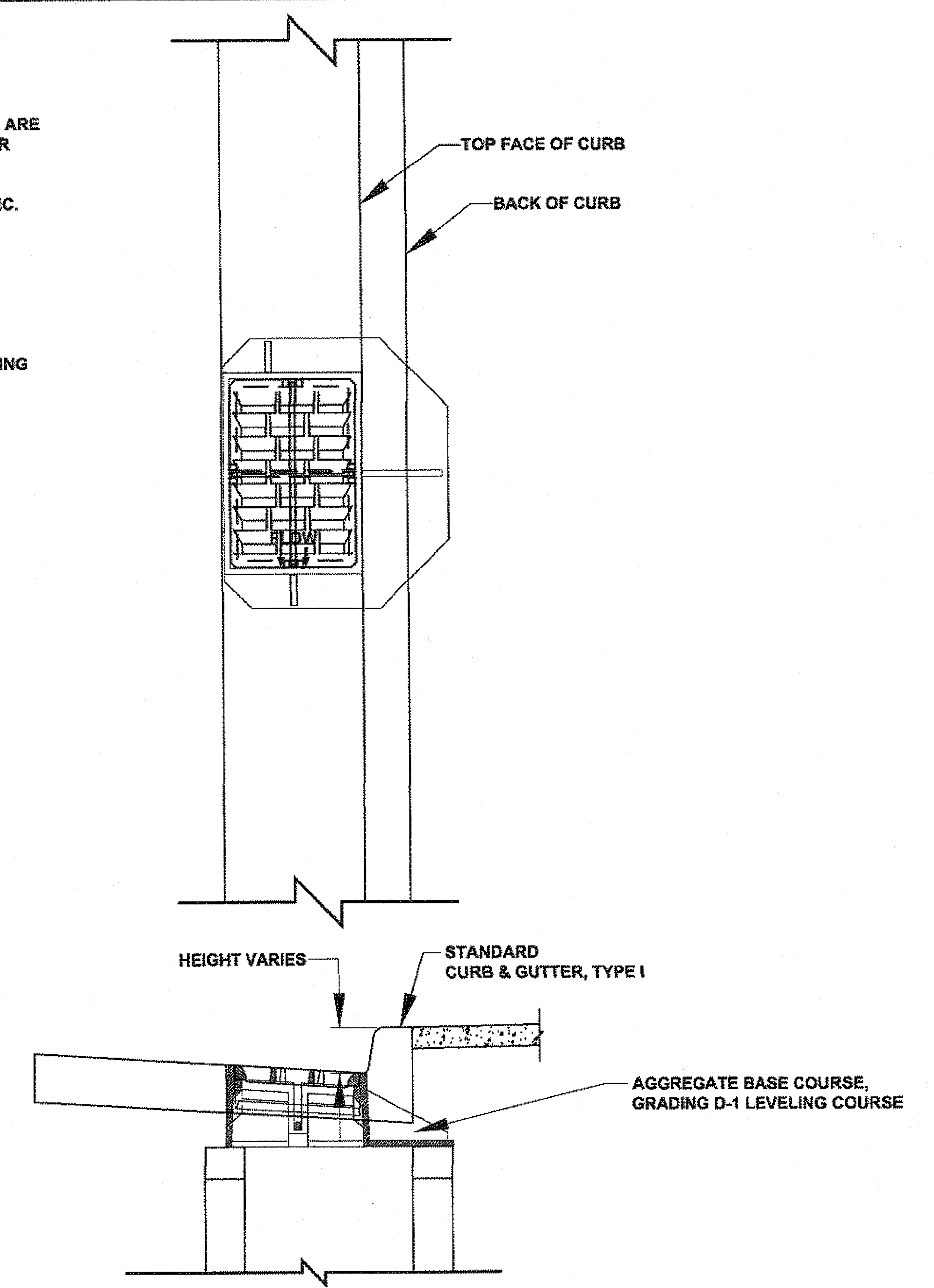
CURB RAMP DETAIL
STA. 137+40 (LT)
 N.T.S.

CATCH BASIN NOTES:

1. ENTIRE KNOCKOUT IS TO BE REMOVED AND SEALED SHUT AROUND PIPE. ALL PIPES ARE TO EXTEND MIN. 1" AND MAX. 2" INTO CATCH BASIN. GROUT INTERIOR AND EXTERIOR BETWEEN FRAME, SECTIONS AND CATCH BASIN.
2. GRATE MUST BE OF A TYPE THAT WILL NOT CREATE A HAZARD FOR BICYCLE TRAFFIC.
3. MINIMUM SUMP DEPTH SHALL BE 18".
4. ALL INVERT ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.
5. REFER TO NEENAH FOUNDRY R-3067-C FOR COMBINATION INLET FRAME & GRATE TYPE/STYLE AND DIMENSIONS. CONTRACTOR SHALL VERIFY DIMENSIONS OF EXISTING INLETS PRIOR TO ORDERING MATERIALS AND MAY USE AN APPROVED EQUAL.



CURB MEDIAN TYPICAL SECTION
 N.T.S.

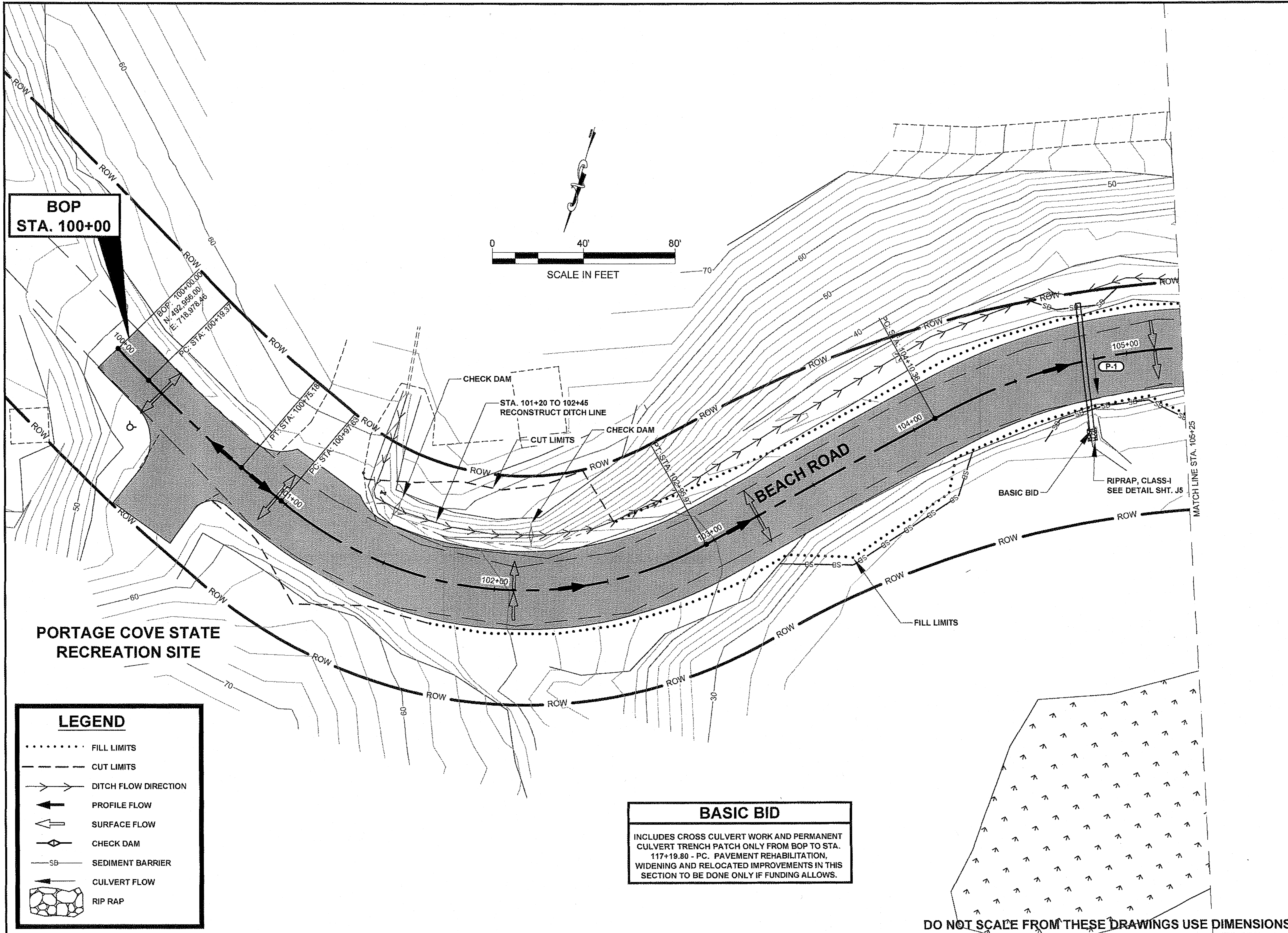


GUTTER PAN FRAME & GRATE
INSTALLATION DETAIL
 N.T.S.

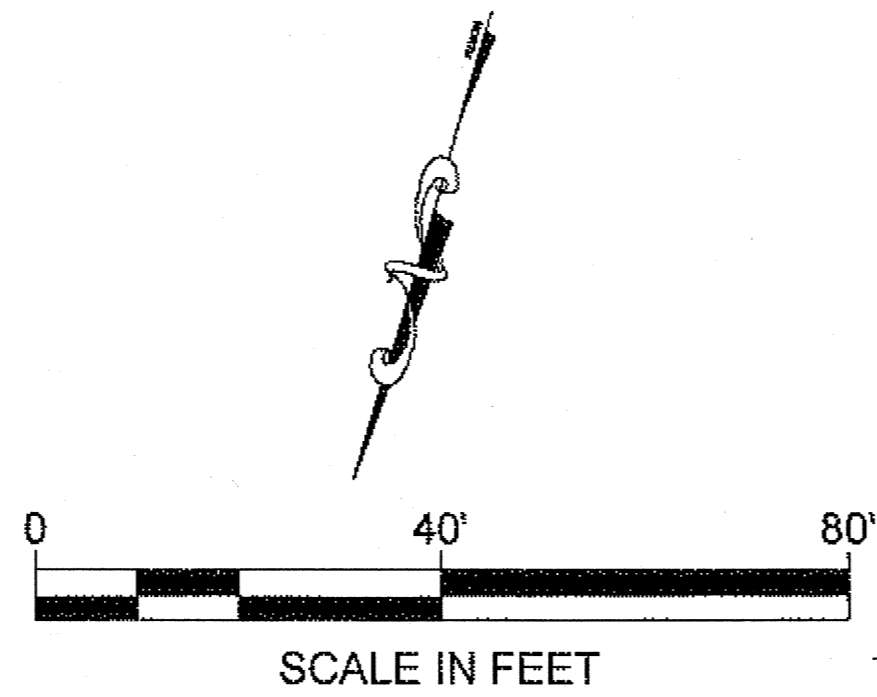
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CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION																
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		HNS: BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316																
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REVISIONS		PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS									
NO.	DATE			DESCRIPTION														
2012		J7		110														

BS 1-13-14



**BOP
STA. 100+00**



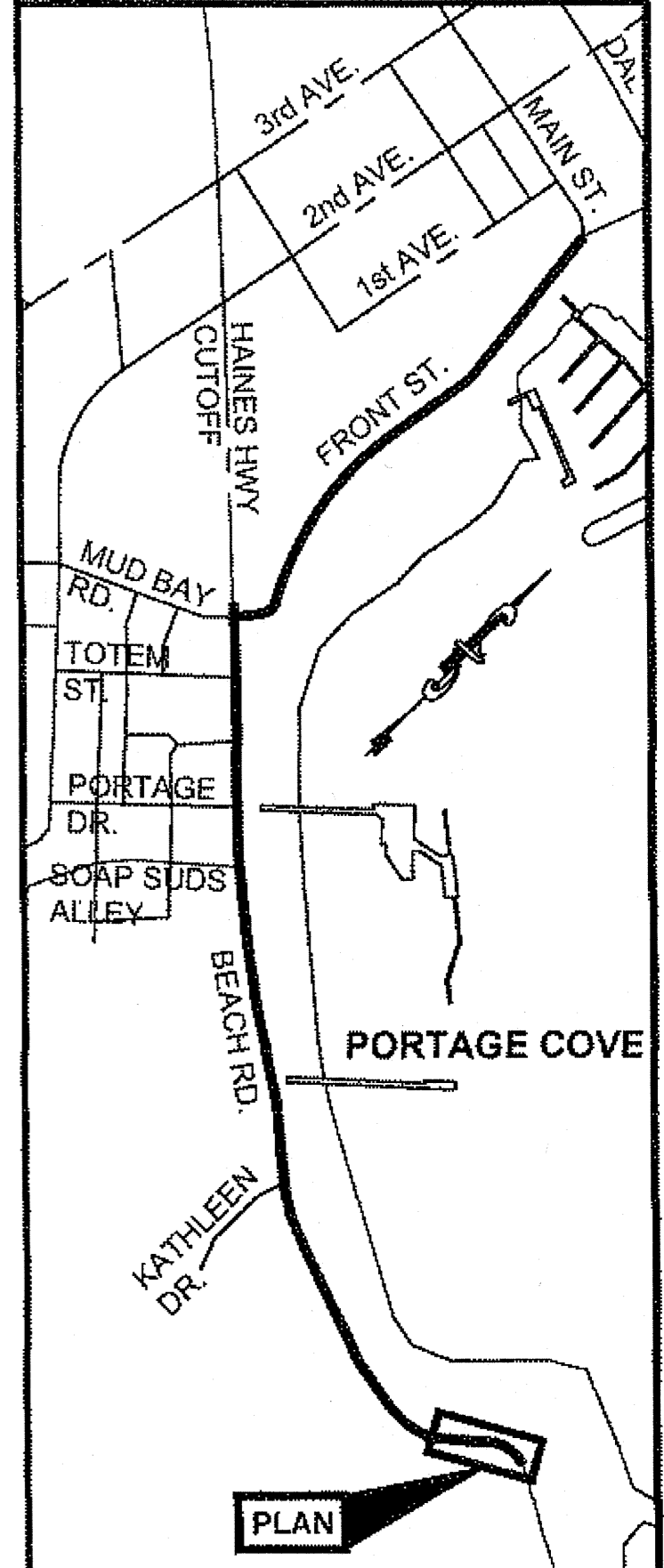
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CULVERT TRENCH PATCH ONLY FROM BOP TO STA.
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WIDENING AND RELOCATED IMPROVEMENTS IN THIS
SECTION TO BE DONE ONLY IF FUNDING ALLOWS.

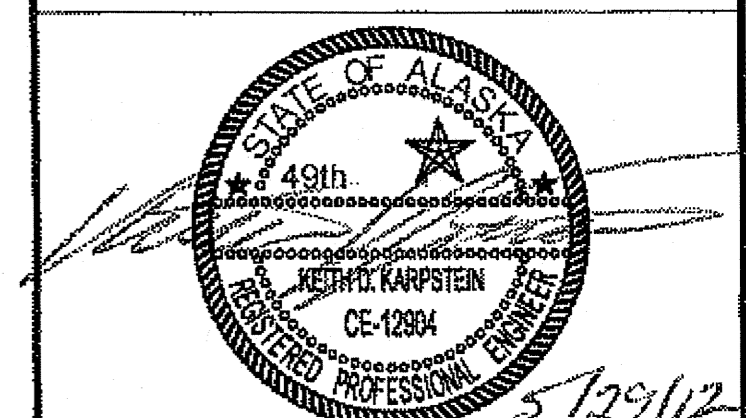
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---	CUT LIMITS
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←	PROFILE FLOW
⇐	SURFACE FLOW
⊕	CHECK DAM
—SB—	SEDIMENT BARRIER
⇐	CULVERT FLOW
⬢	RIP RAP

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MULLINER, DOUGLAS J (DOT)
TAB: P1 Tuesday, May 29, 2012 10:26:27 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN



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

**HNS-BEACH ROAD WIDENING &
FRONT STREET INTERSECTION
IMPROVEMENTS
PROJECT #69316**

**EROSION & SEDIMENT
CONTROL PLAN**

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P1	110

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BS 1-13-14

BASIC BID

INCLUDES CROSS CULVERT WORK ONLY FROM BOP TO STA. 117+19.80 - PC. PAVEMENT REHABILITATION WIDENING AND RELOCATED IMPROVEMENTS THIS SECTION TO BE DONE ONLY IF FUNDING ALLOWS.

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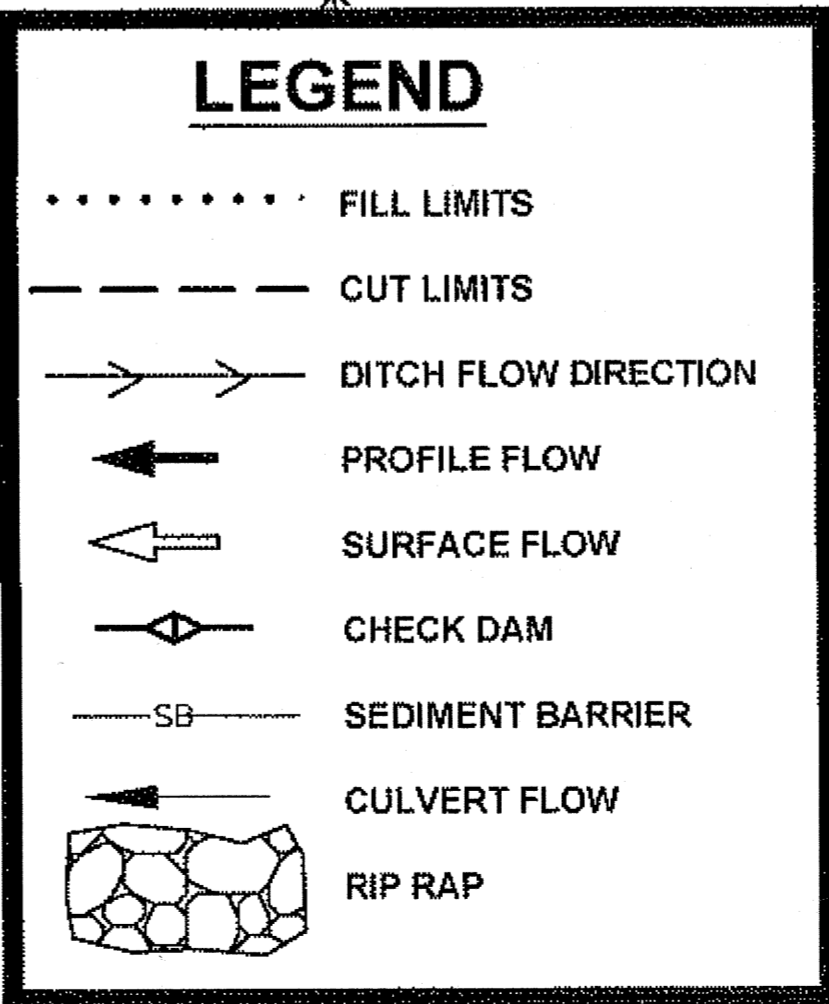
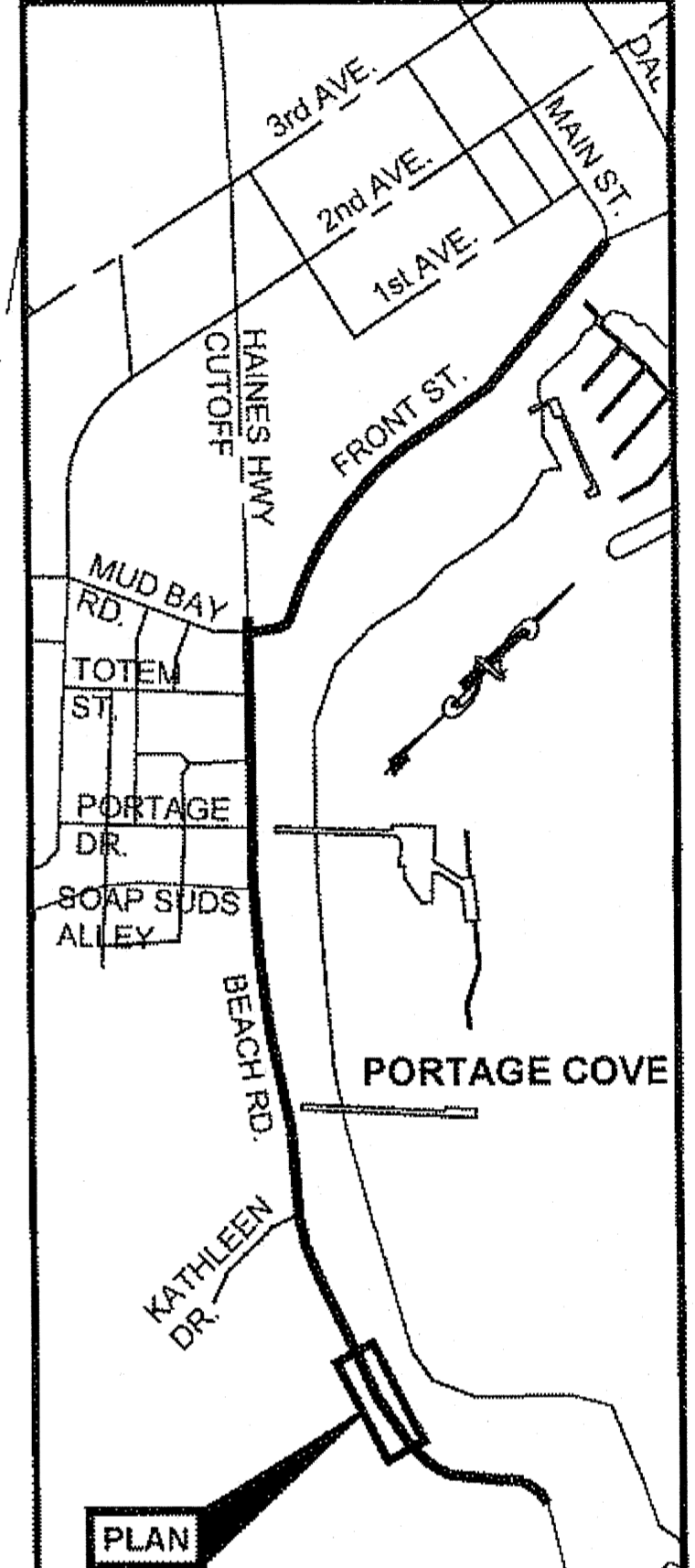
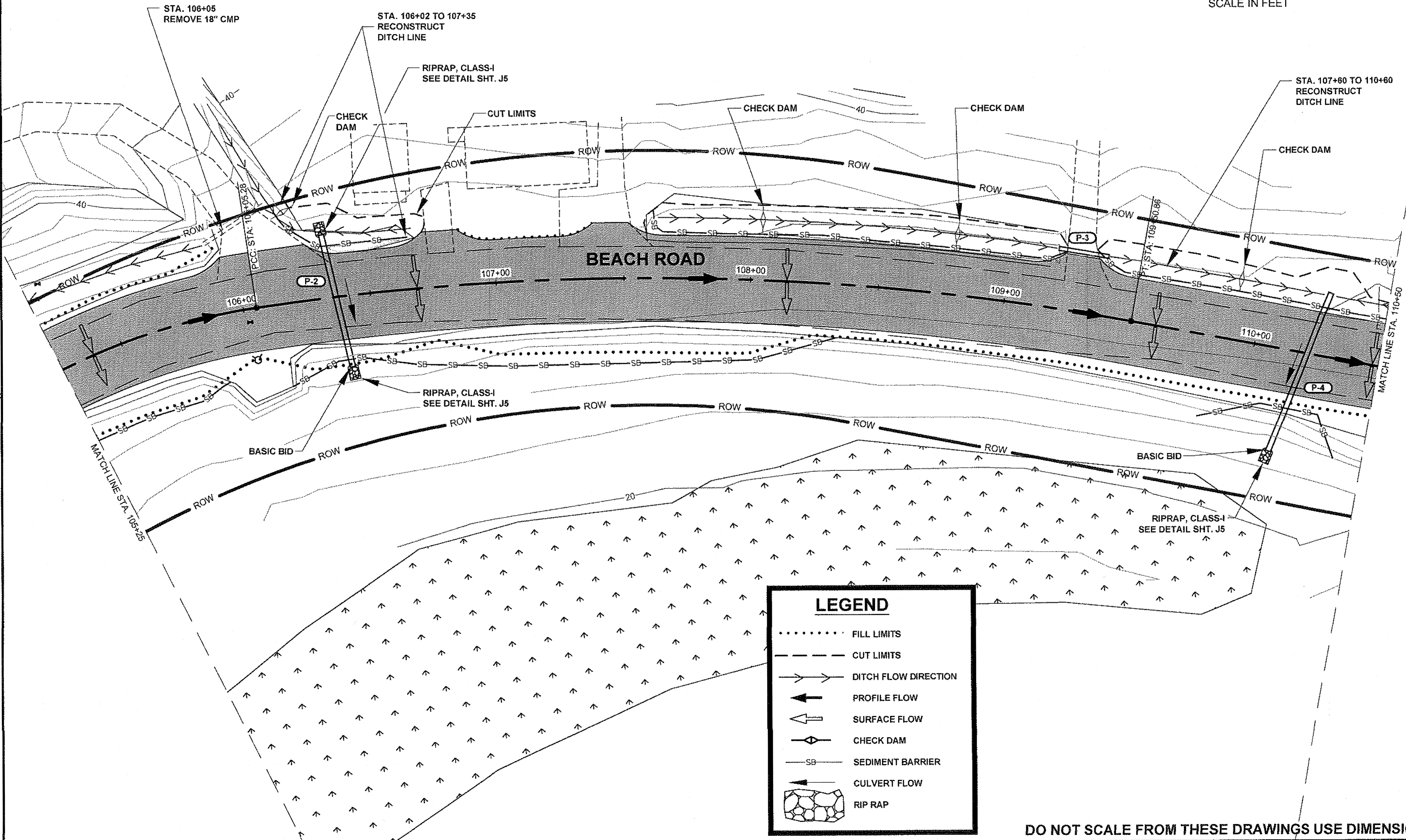
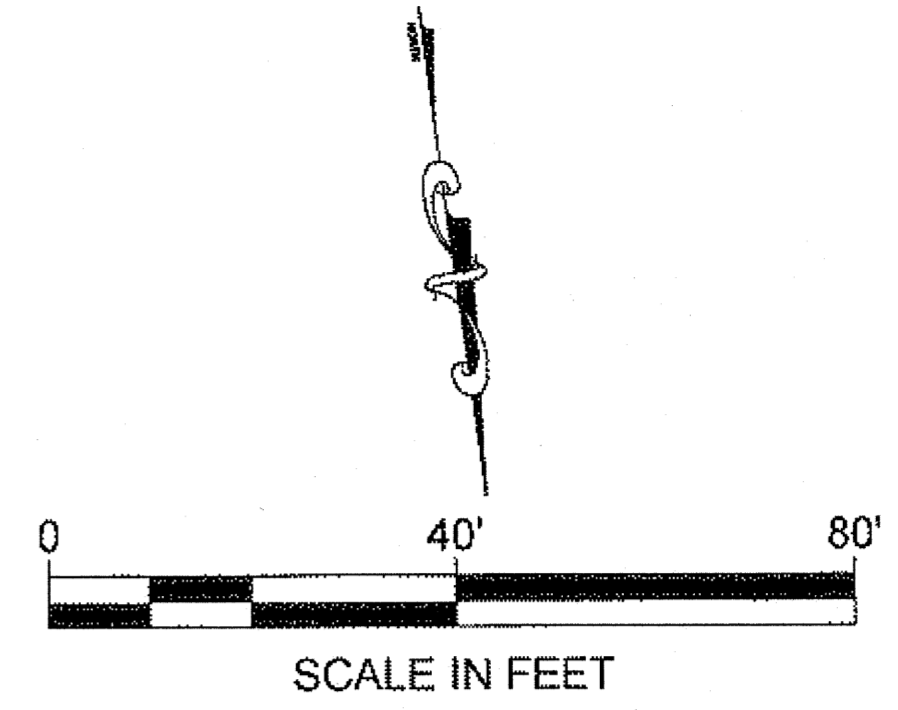
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



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PLAN LEGEND

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS
 PROJECT #69316

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION

69316

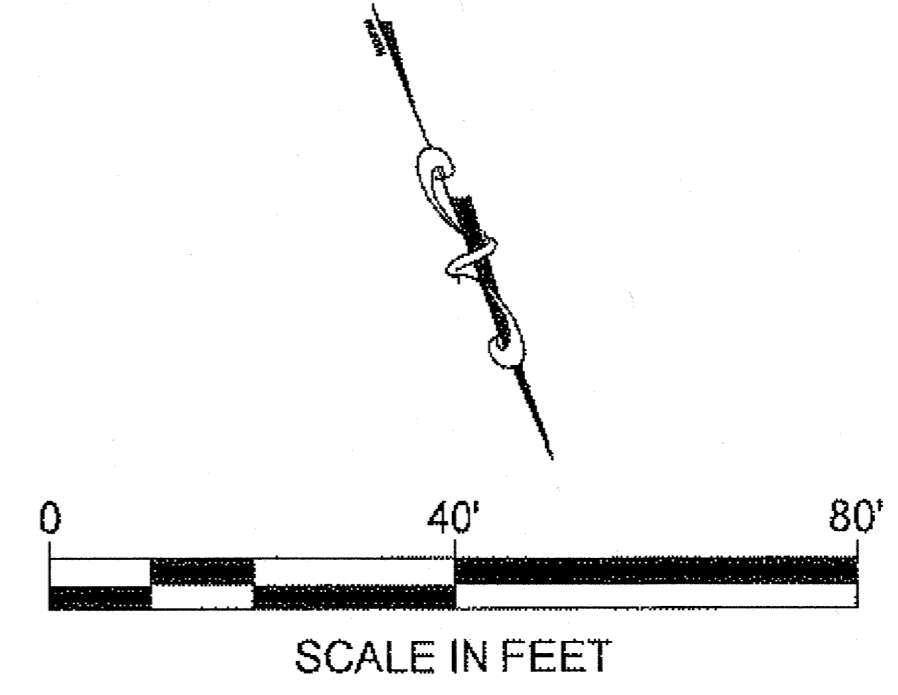
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ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
P2	110

BS 1-13-14

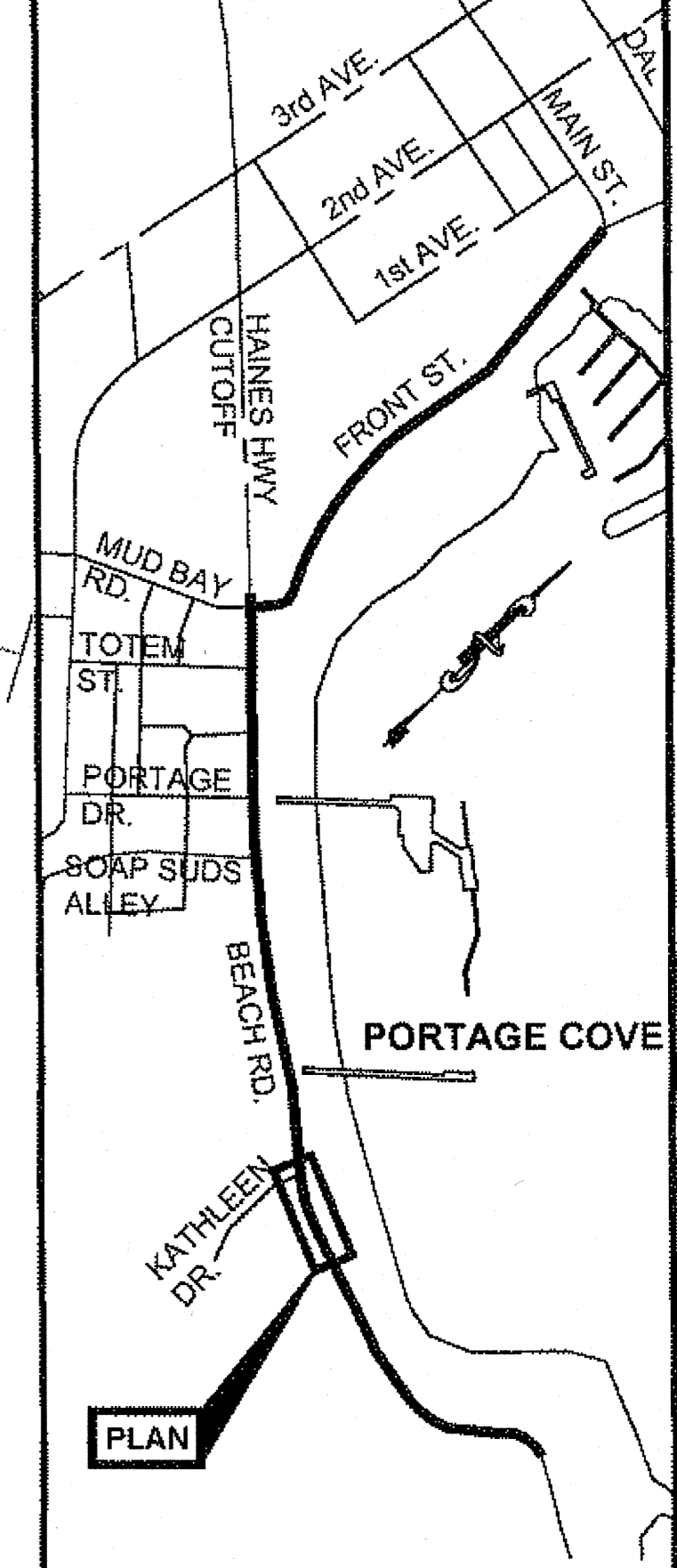
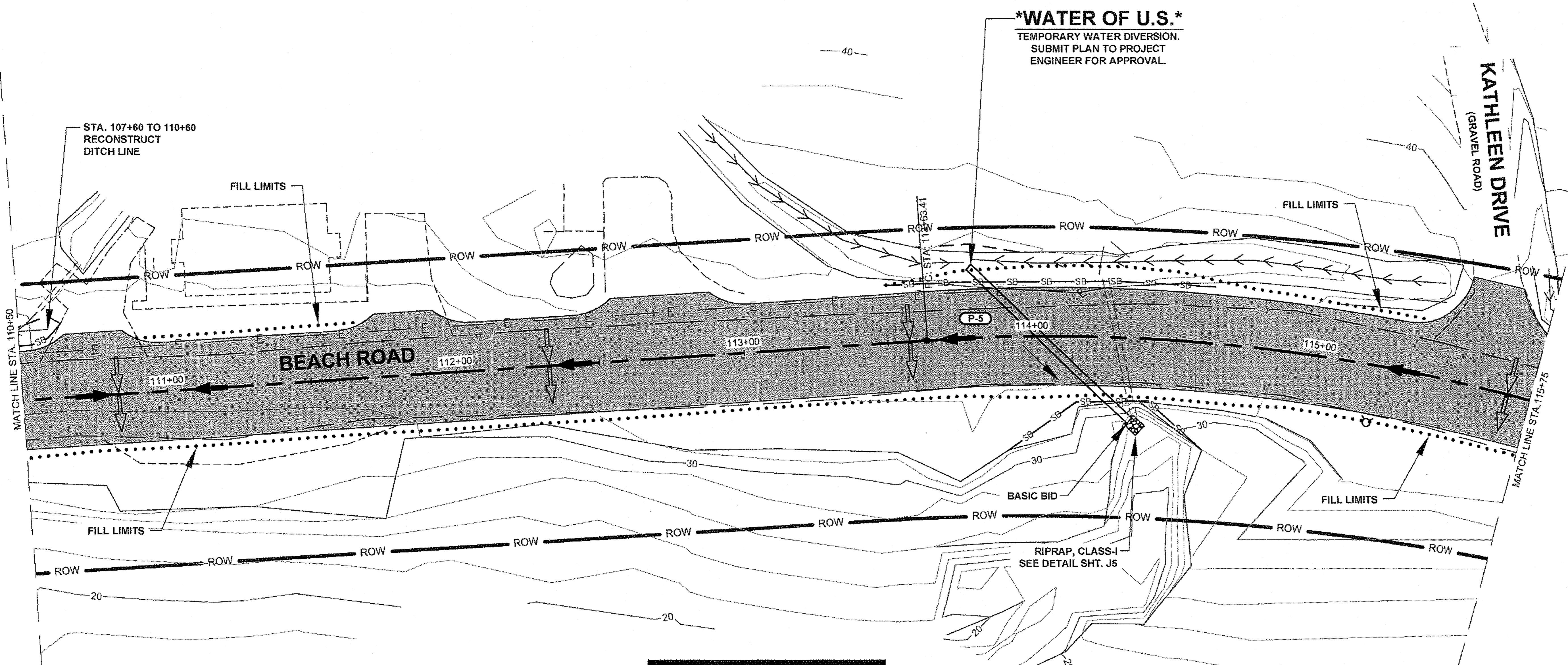
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INCLUDES CROSS CULVERT WORK ONLY FROM BOP TO STA. 117+19.80 - PC. PAVEMENT REHABILITATION WIDENING AND RELOCATED IMPROVEMENTS THIS SECTION TO BE DONE ONLY IF FUNDING ALLOWS.



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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



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DRAWN BY: D. MULLINER

LEGEND

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---	CUT LIMITS
→→→	DITCH FLOW DIRECTION
←	PROFILE FLOW
⇐	SURFACE FLOW
⊕	CHECK DAM
—SB—	SEDIMENT BARRIER
←	CULVERT FLOW
	RIP RAP

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS
 PROJECT #69316

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION

69316

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P3	110

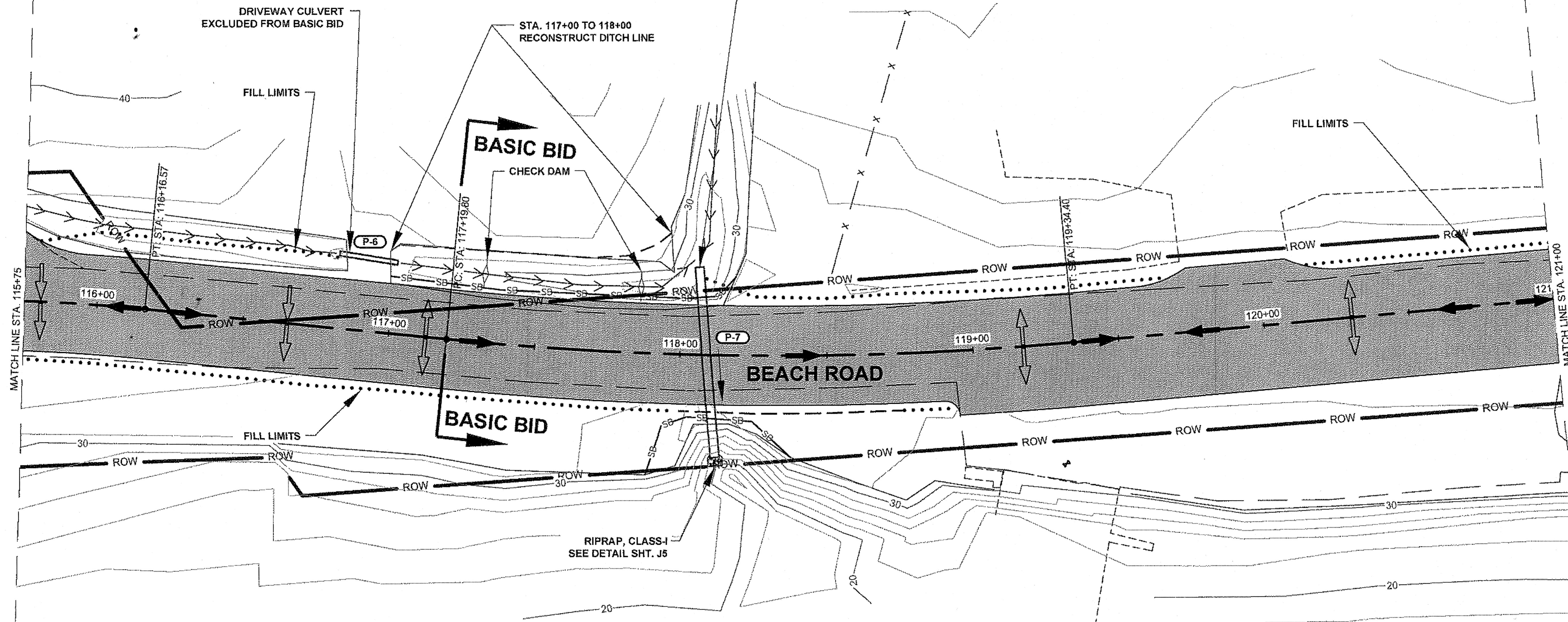
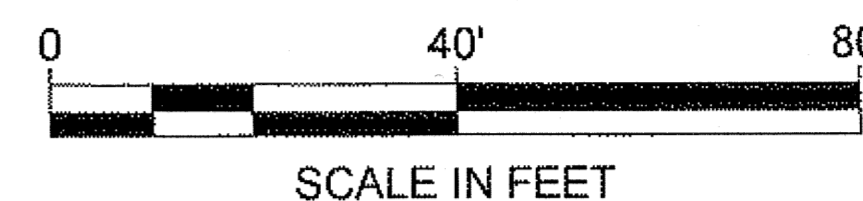
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B. 1-13-14

BASIC BID

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WATER OF U.S.
TEMPORARY WATER DIVERSION.
SUBMIT PLAN TO PROJECT ENGINEER FOR APPROVAL.

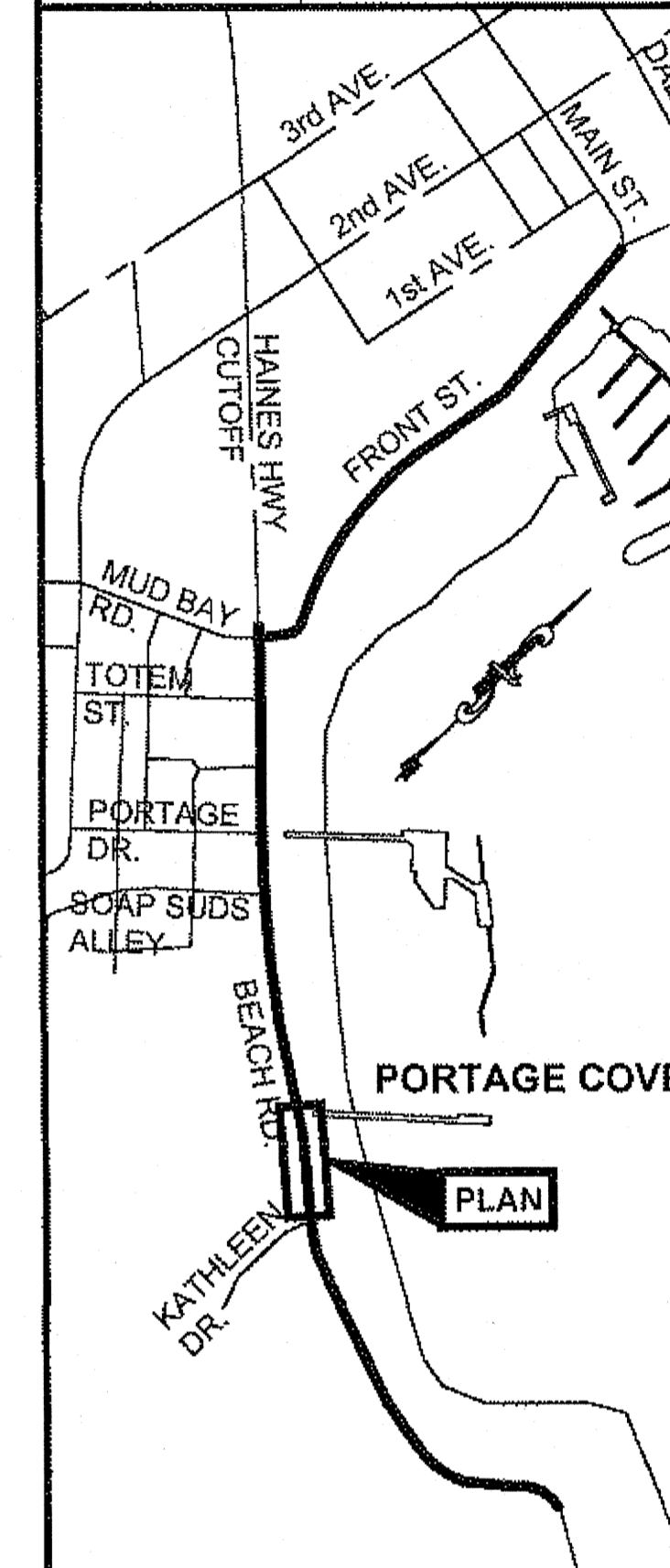


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- ◻ RIP RAP

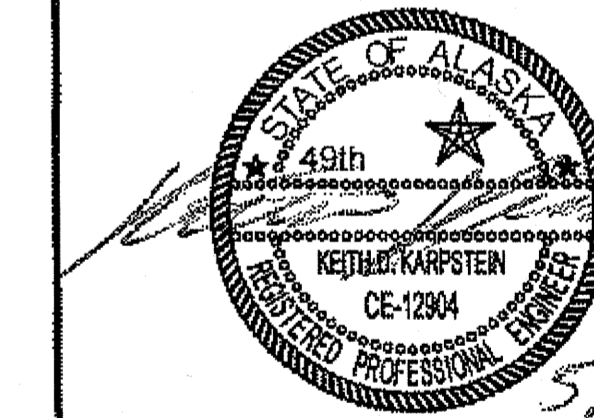
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MULLINER, DOUGLAS J (DOT)
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RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS
PROJECT #69316

EROSION & SEDIMENT CONTROL PLAN

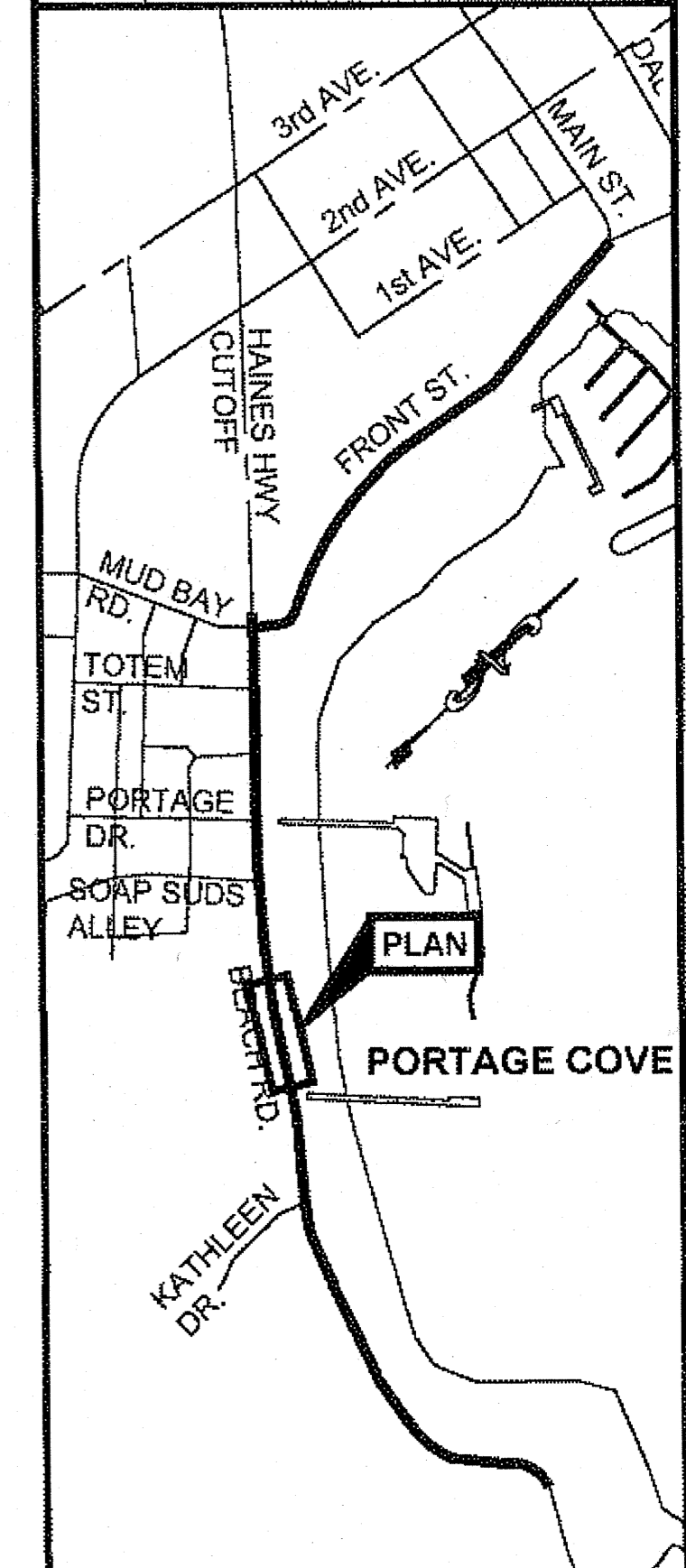
PROJECT DESIGNATION

69316

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
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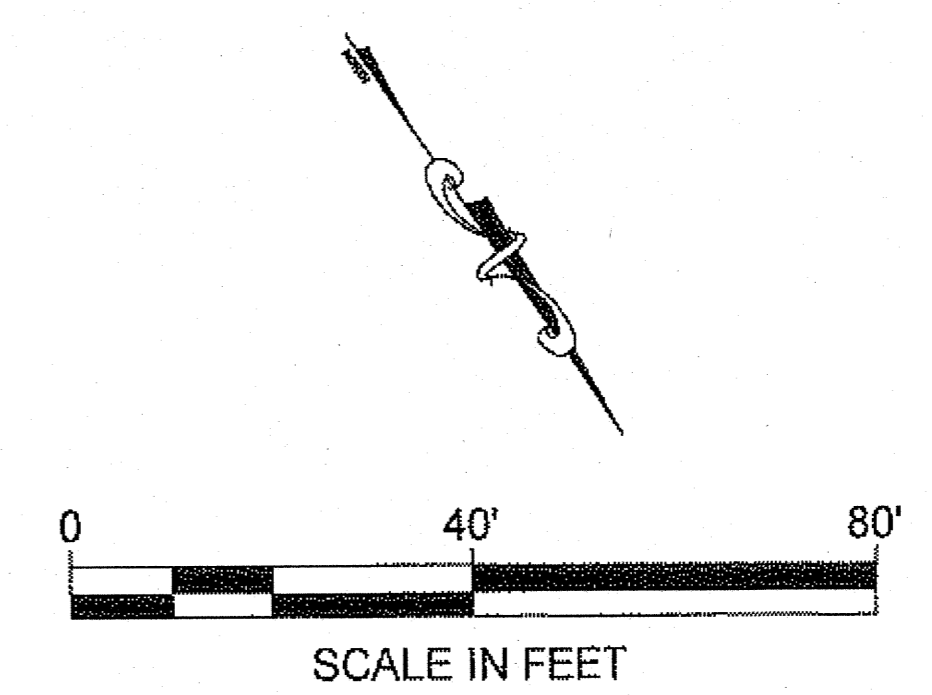
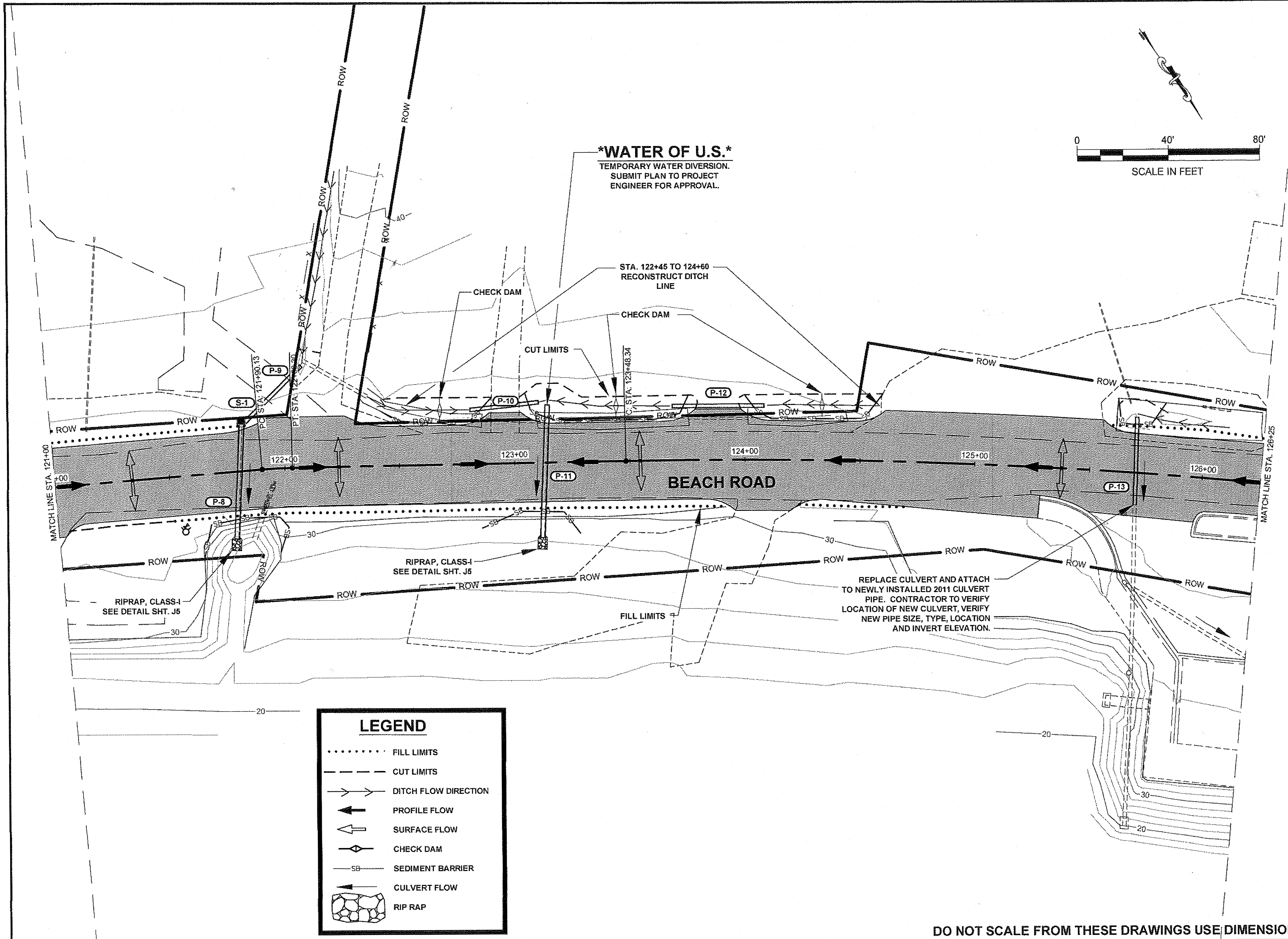
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 DRAWN BY: D. MULLINER
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION
69316

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P5	110



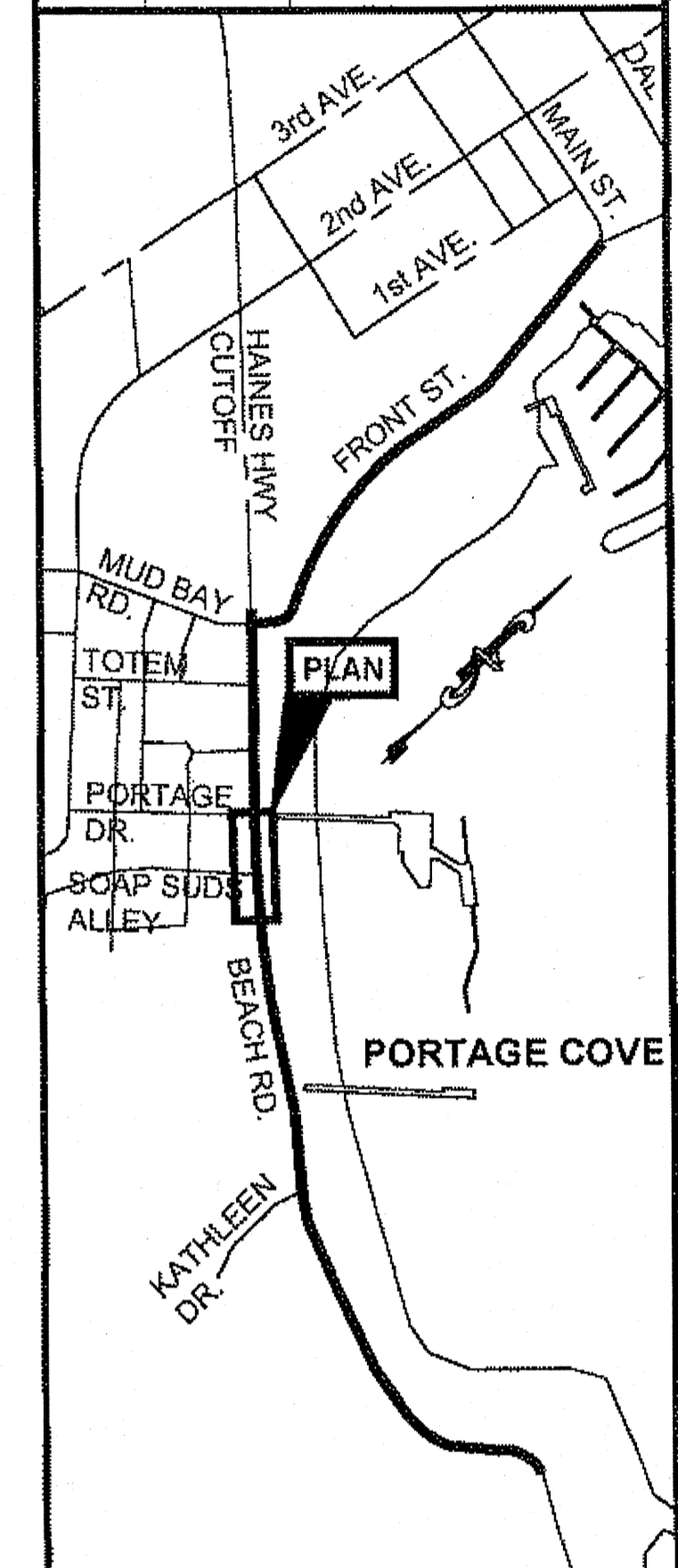
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- ⇐ ⇐ ⇐ SURFACE FLOW
- ⊕ CHECK DAM
- SB- SEDIMENT BARRIER
- ⇐ CULVERT FLOW
- RIP RAP

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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



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 DRAWN BY: D. MULLINER

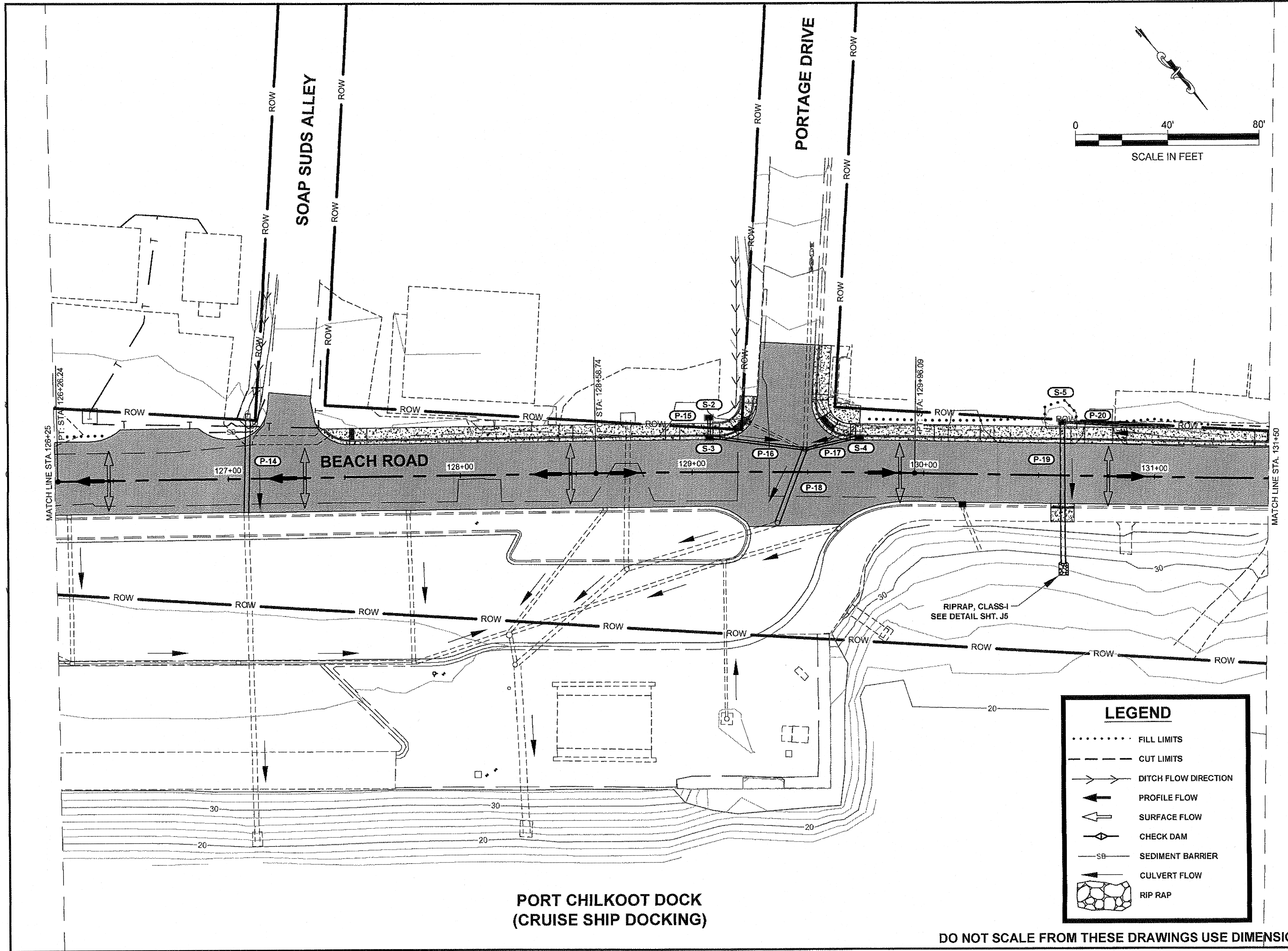
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**EROSION & SEDIMENT
 CONTROL PLAN**

PROJECT DESIGNATION
69316

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P6	110



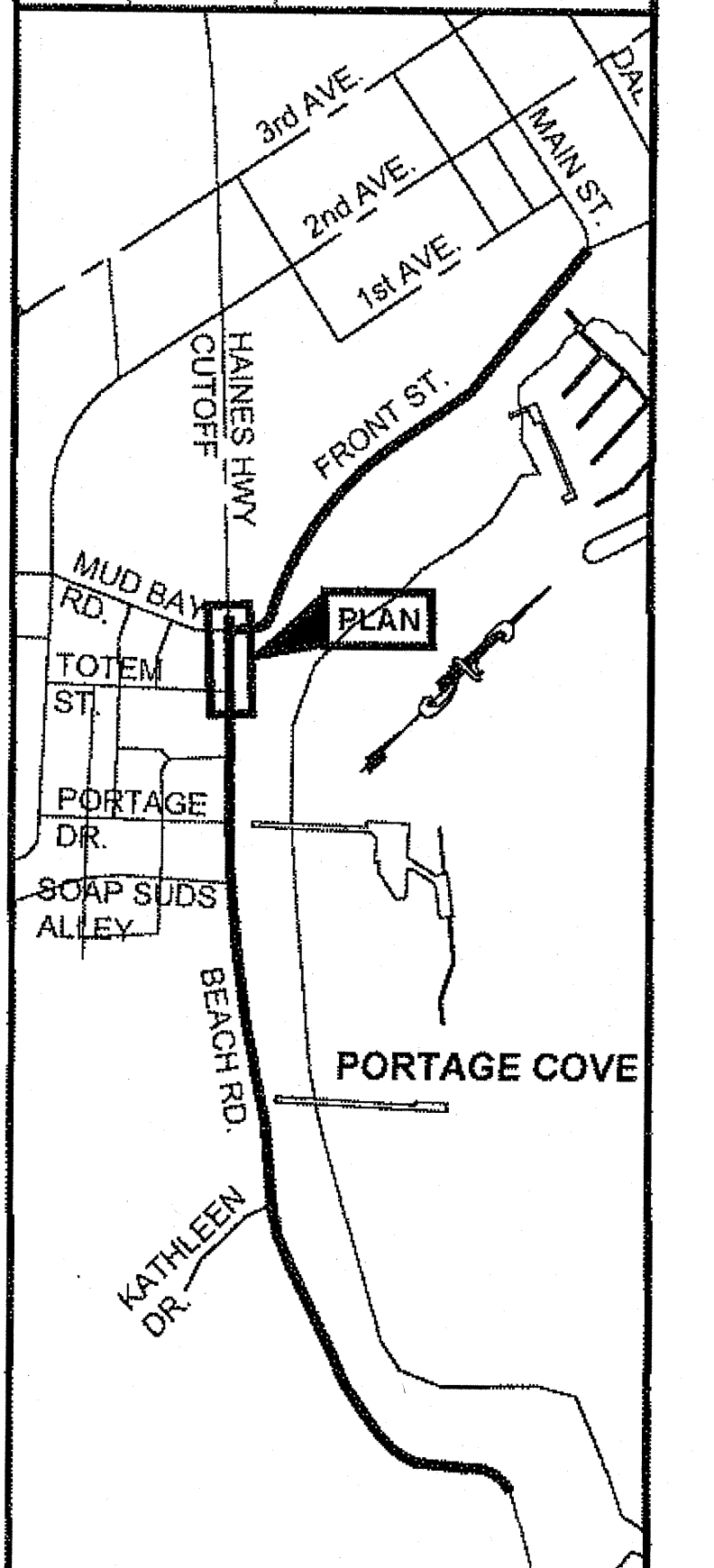
**PORT CHILKOOT DOCK
 (CRUISE SHIP DOCKING)**

LEGEND

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- DITCH FLOW DIRECTION
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- ← SURFACE FLOW
- ⊕ CHECK DAM
- SB — SEDIMENT BARRIER
- ← CULVERT FLOW
- ⊕ RIP RAP

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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



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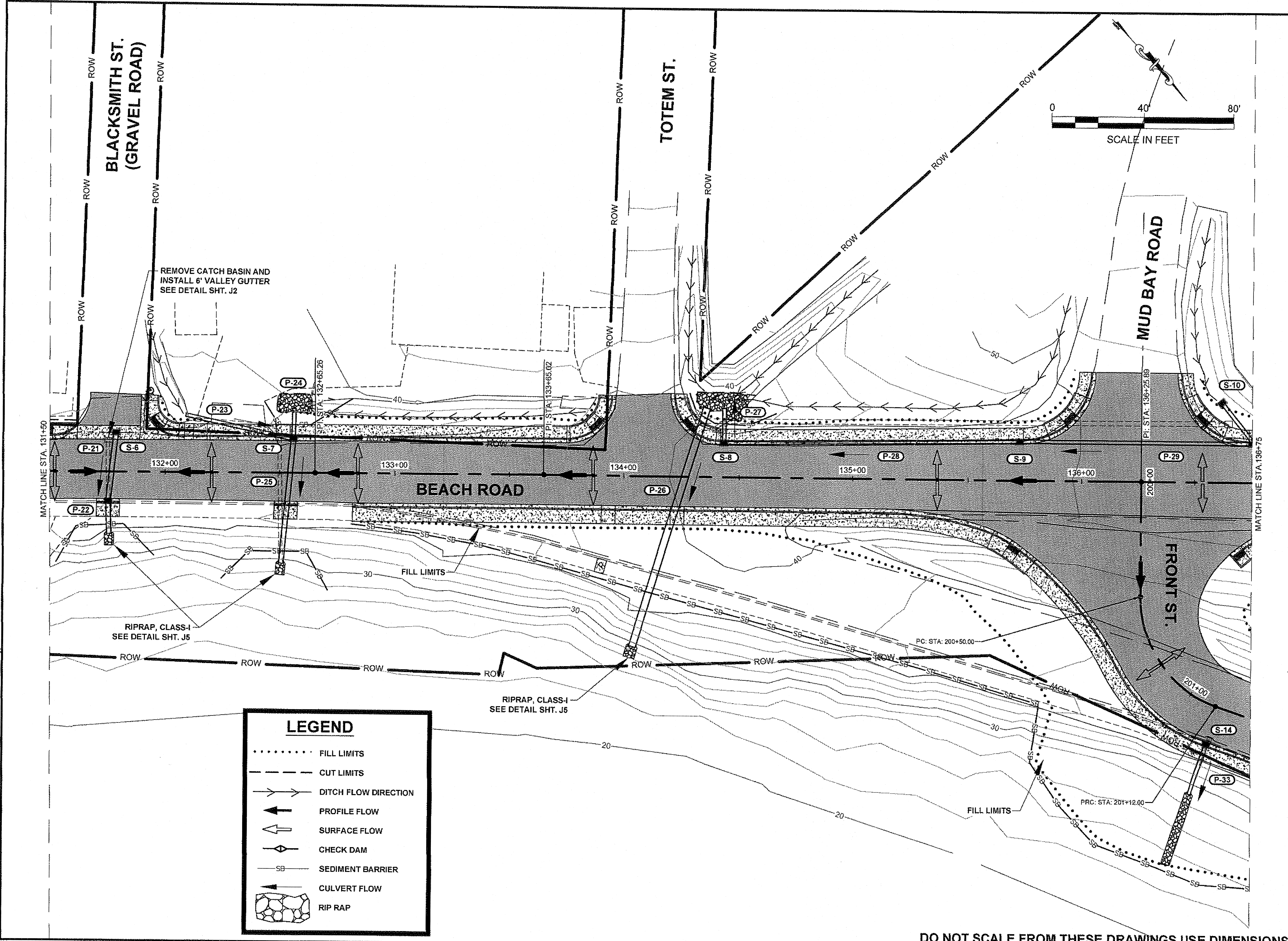
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DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316**

**EROSION & SEDIMENT
 CONTROL PLAN**

PROJECT DESIGNATION	
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STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P7	110

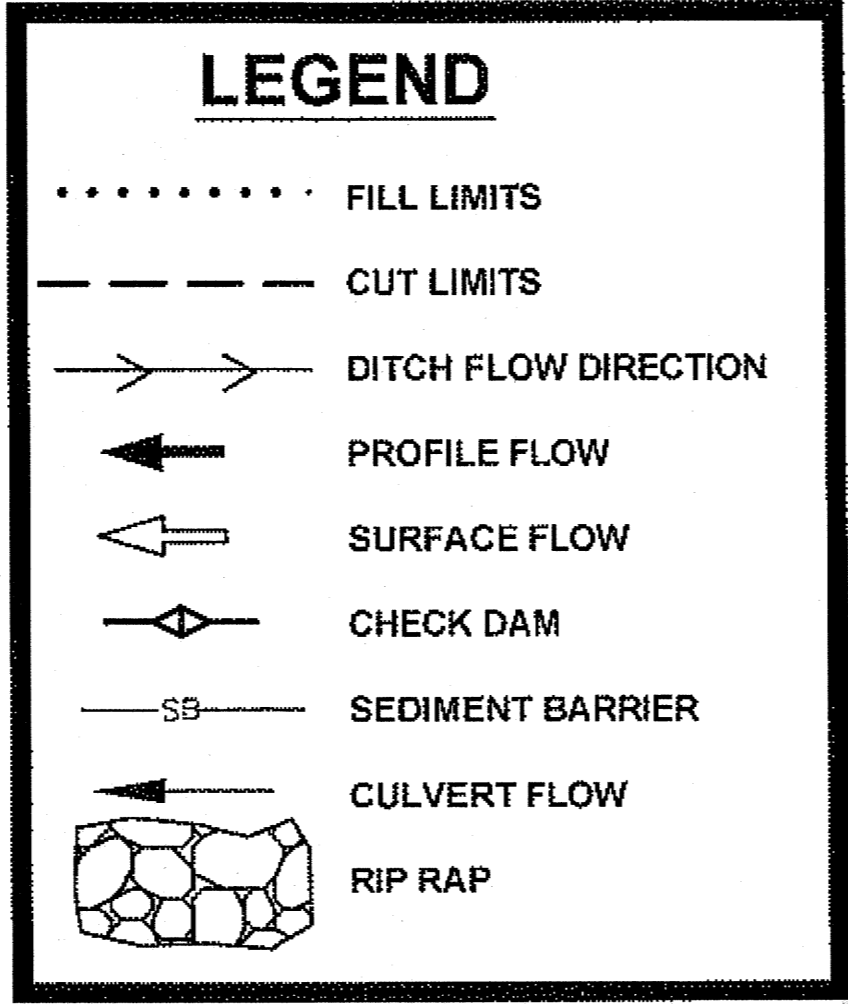
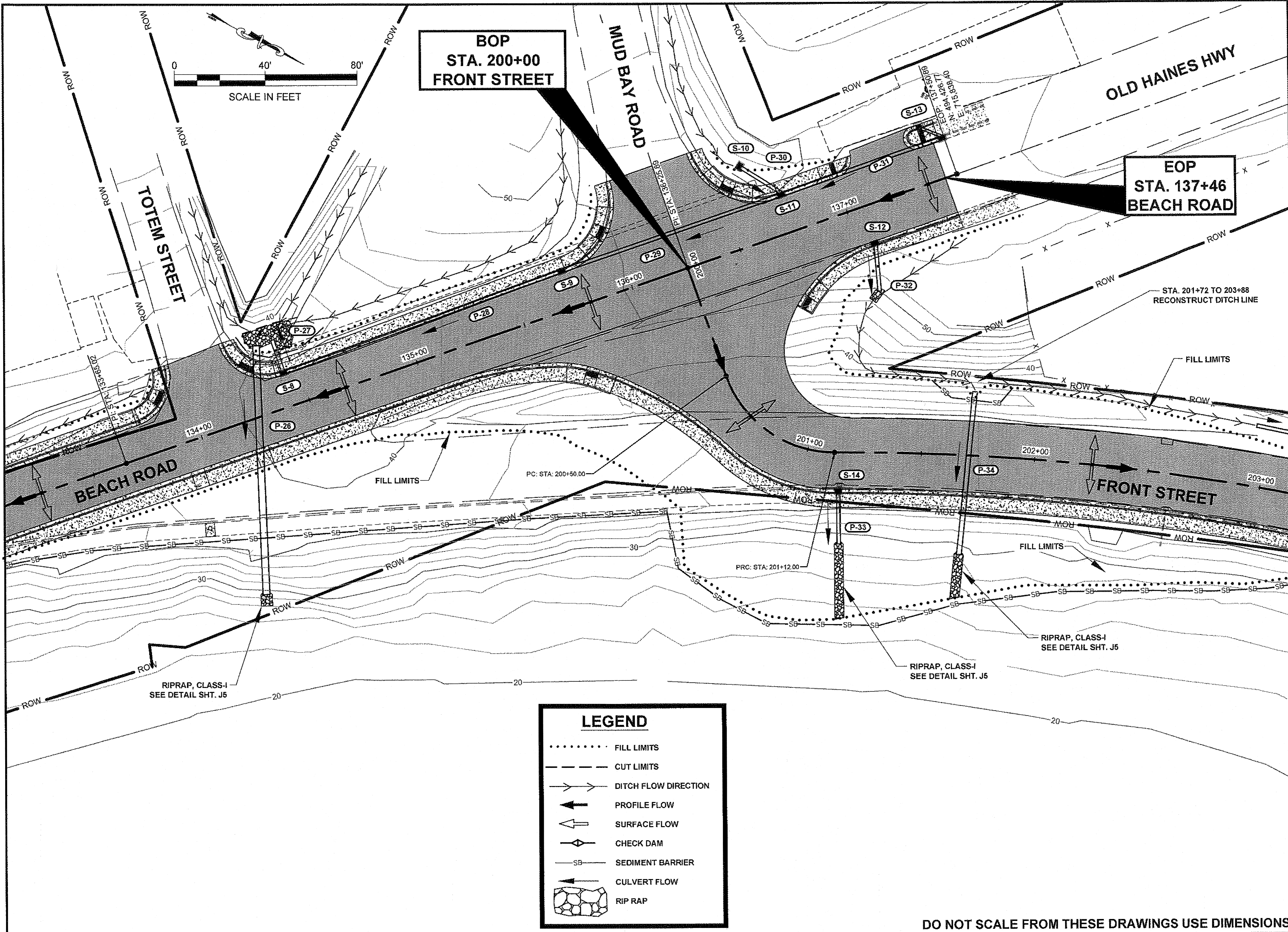


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03 1-13-14



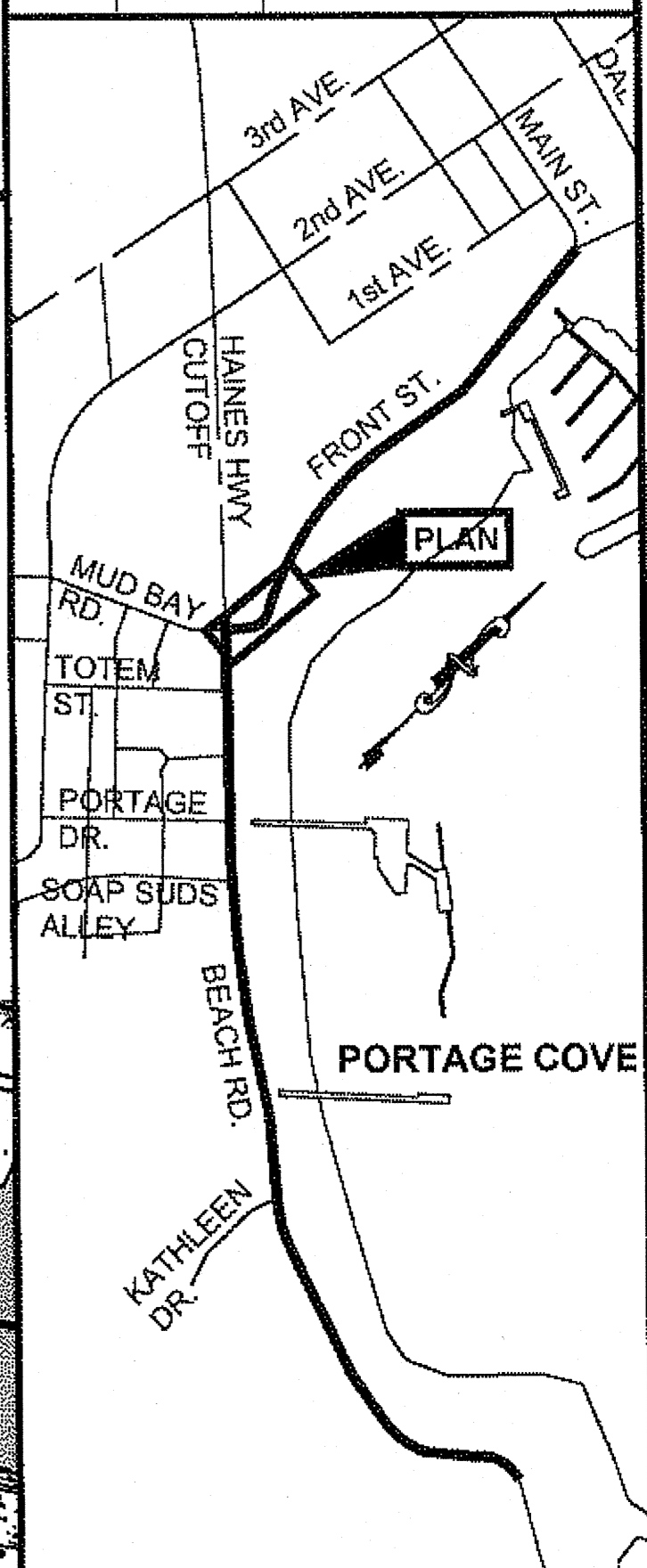
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 TAB: P8 Tuesday, May 29, 2012 10:30:00 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**EROSION & SEDIMENT
 CONTROL PLAN**

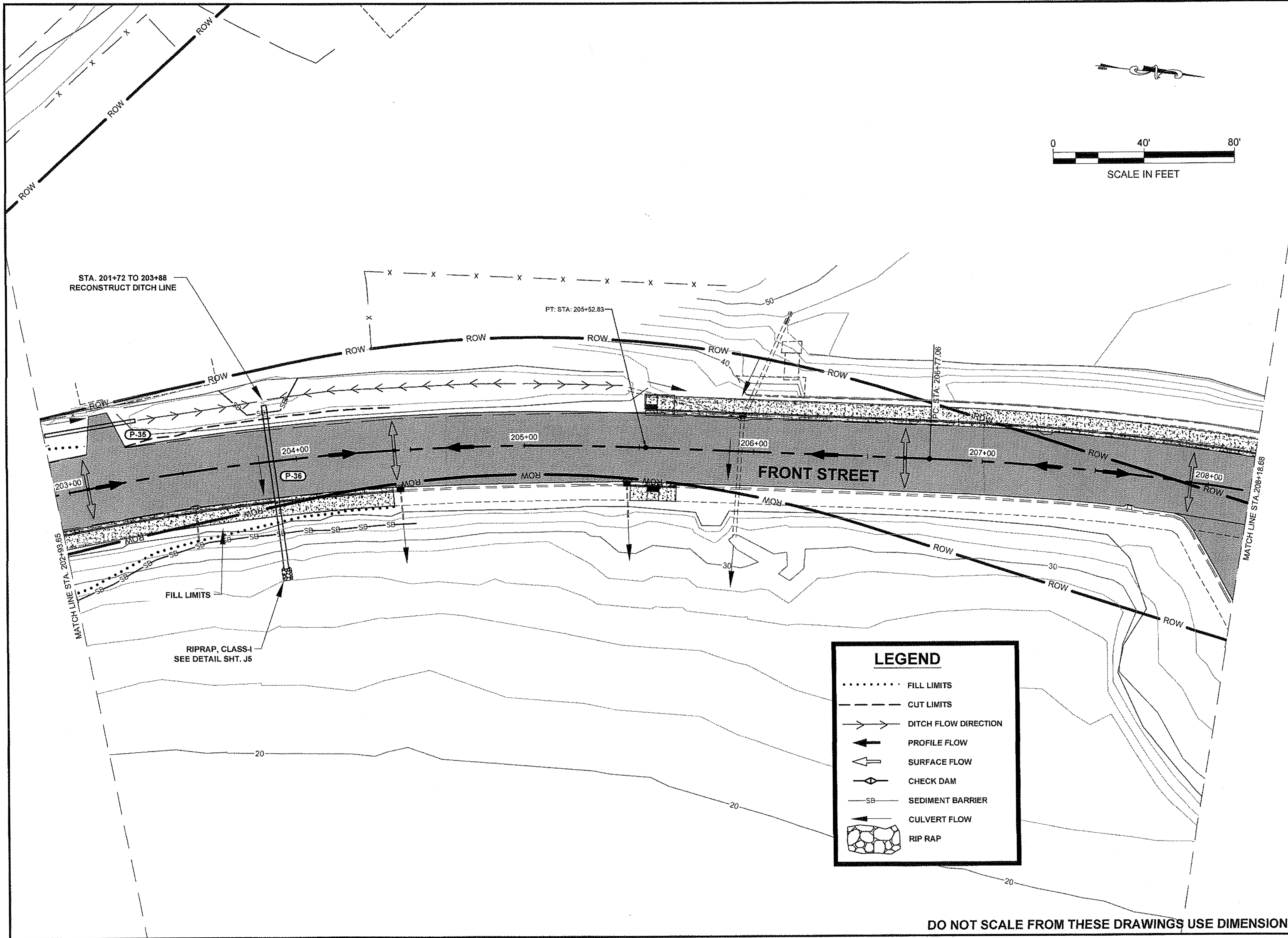
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SHEET NUMBER	TOTAL SHEETS
P8	110

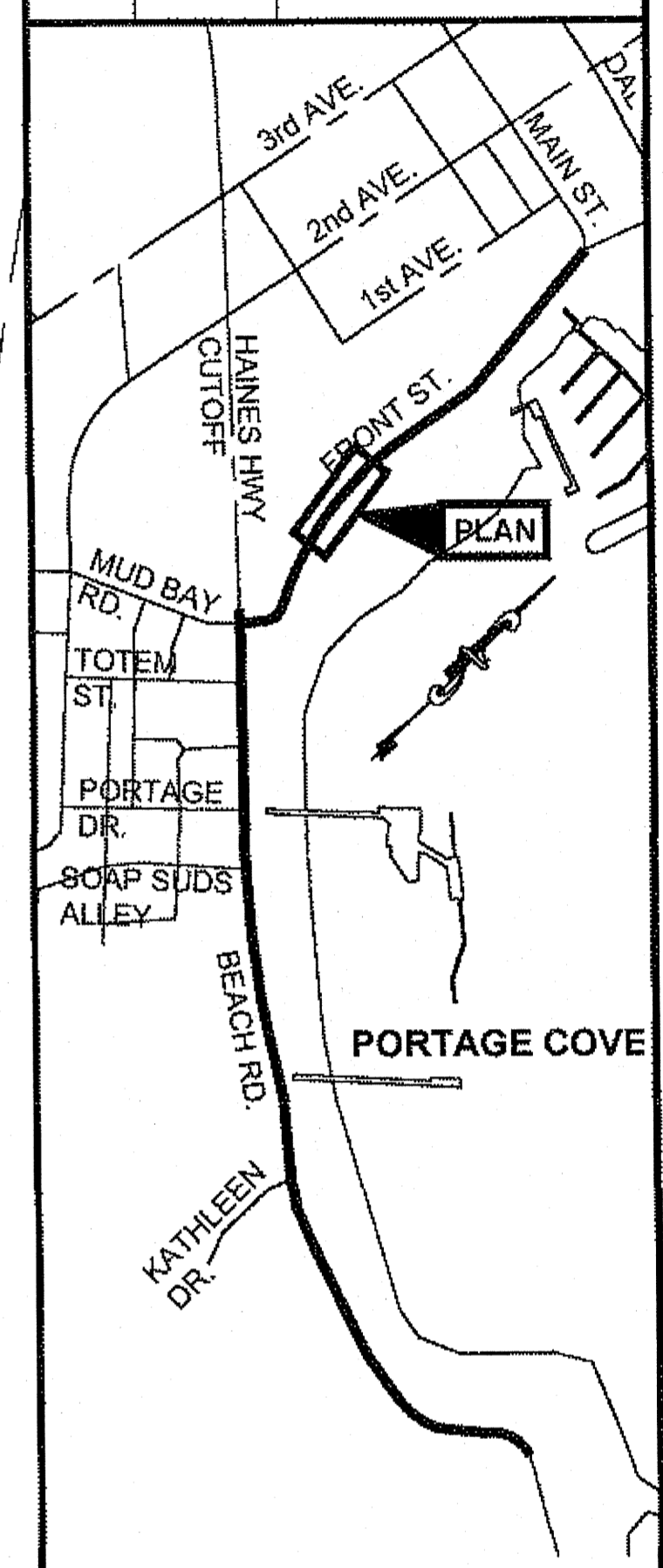
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14



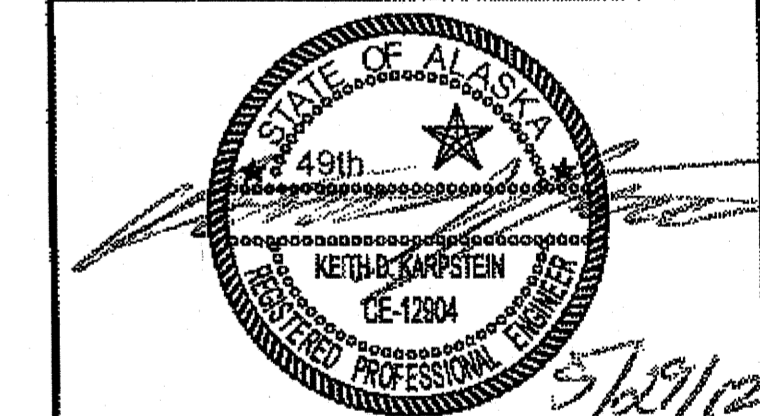
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 MULLINER, DOUGLAS J (DOT)
 TAB P9 Tuesday, May 29, 2012 10:30:16 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316**

**EROSION & SEDIMENT
 CONTROL PLAN**

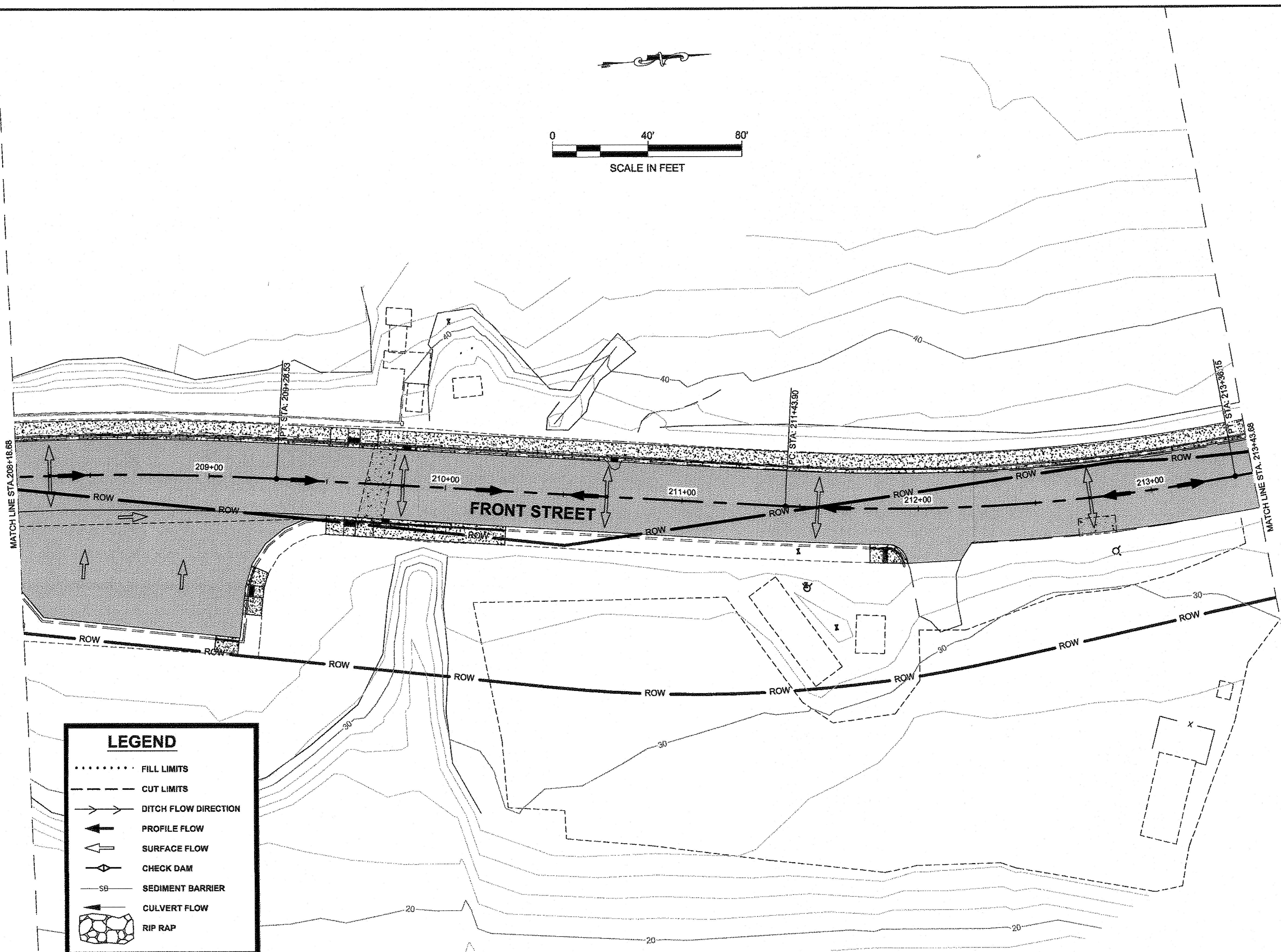
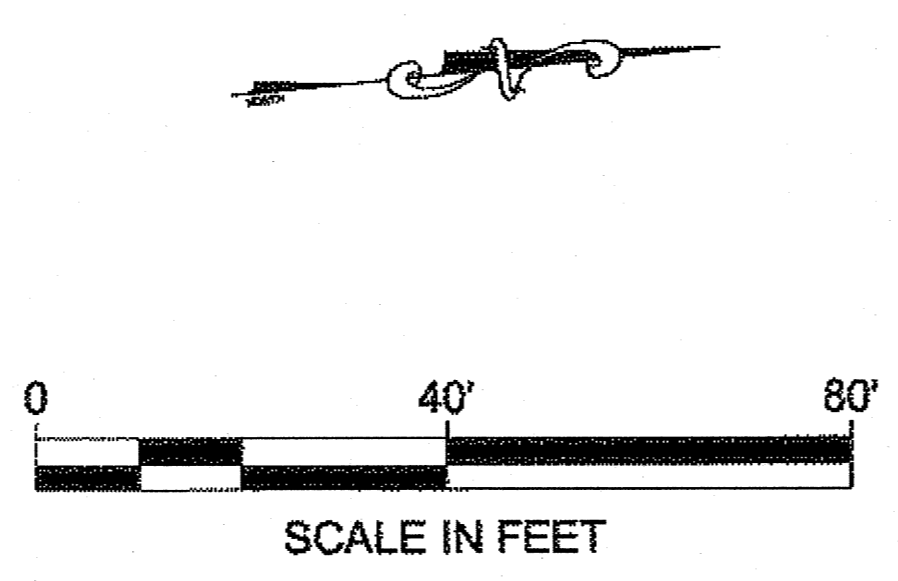
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69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P9	110

LEGEND

- FILL LIMITS
- - - - - CUT LIMITS
- → → DITCH FLOW DIRECTION
- ← ← ← PROFILE FLOW
- ← ← ← SURFACE FLOW
- ◇ CHECK DAM
- SB— SEDIMENT BARRIER
- ← ← ← CULVERT FLOW
- ▣ RIP RAP

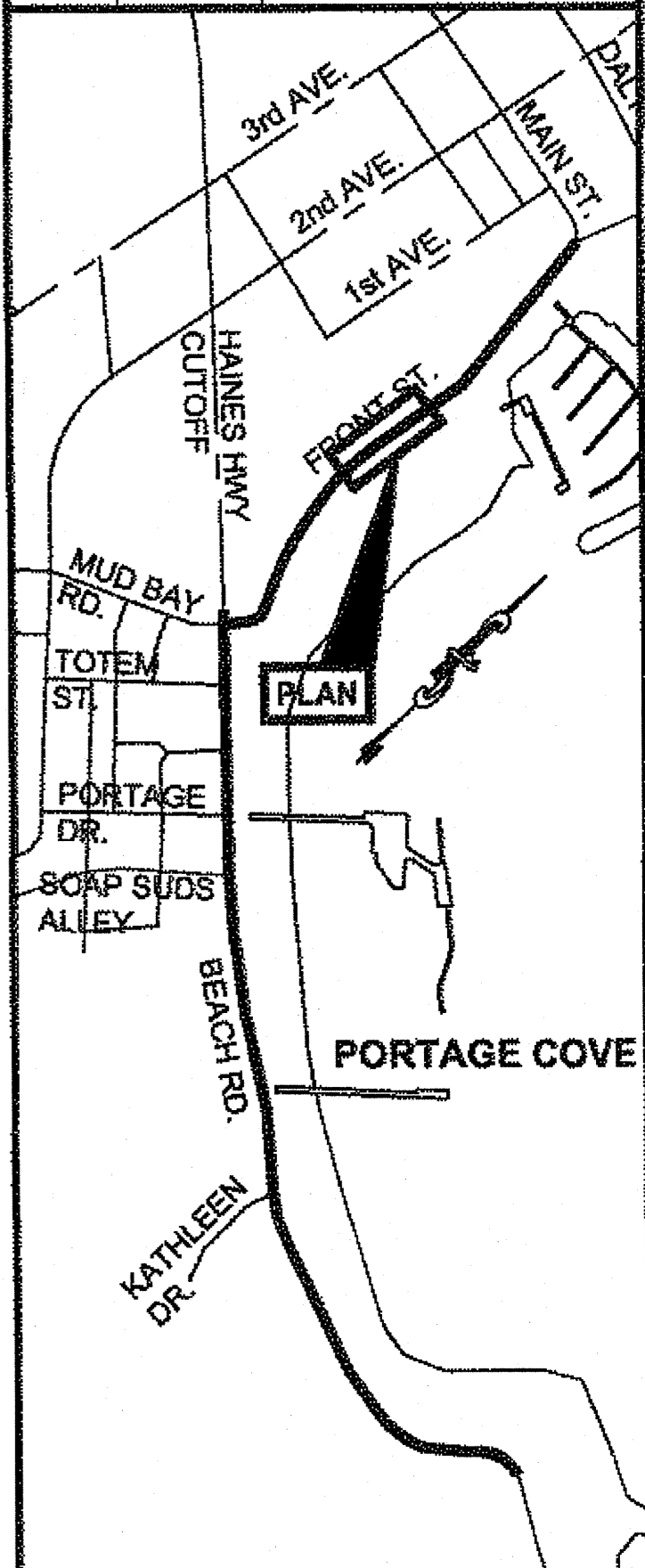
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

B 1-13-14



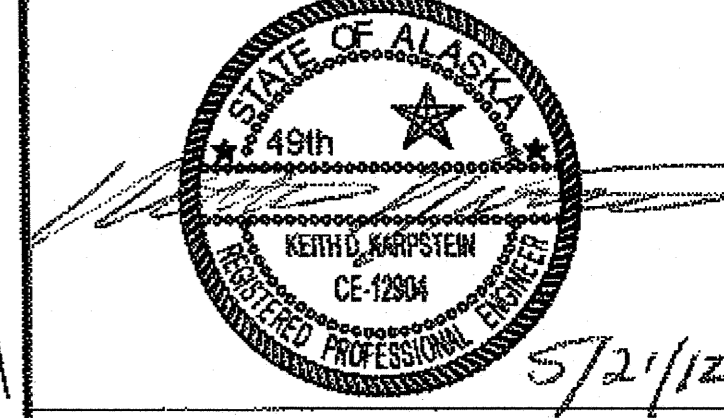
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS
 PROJECT #69316

EROSION & SEDIMENT CONTROL PLAN

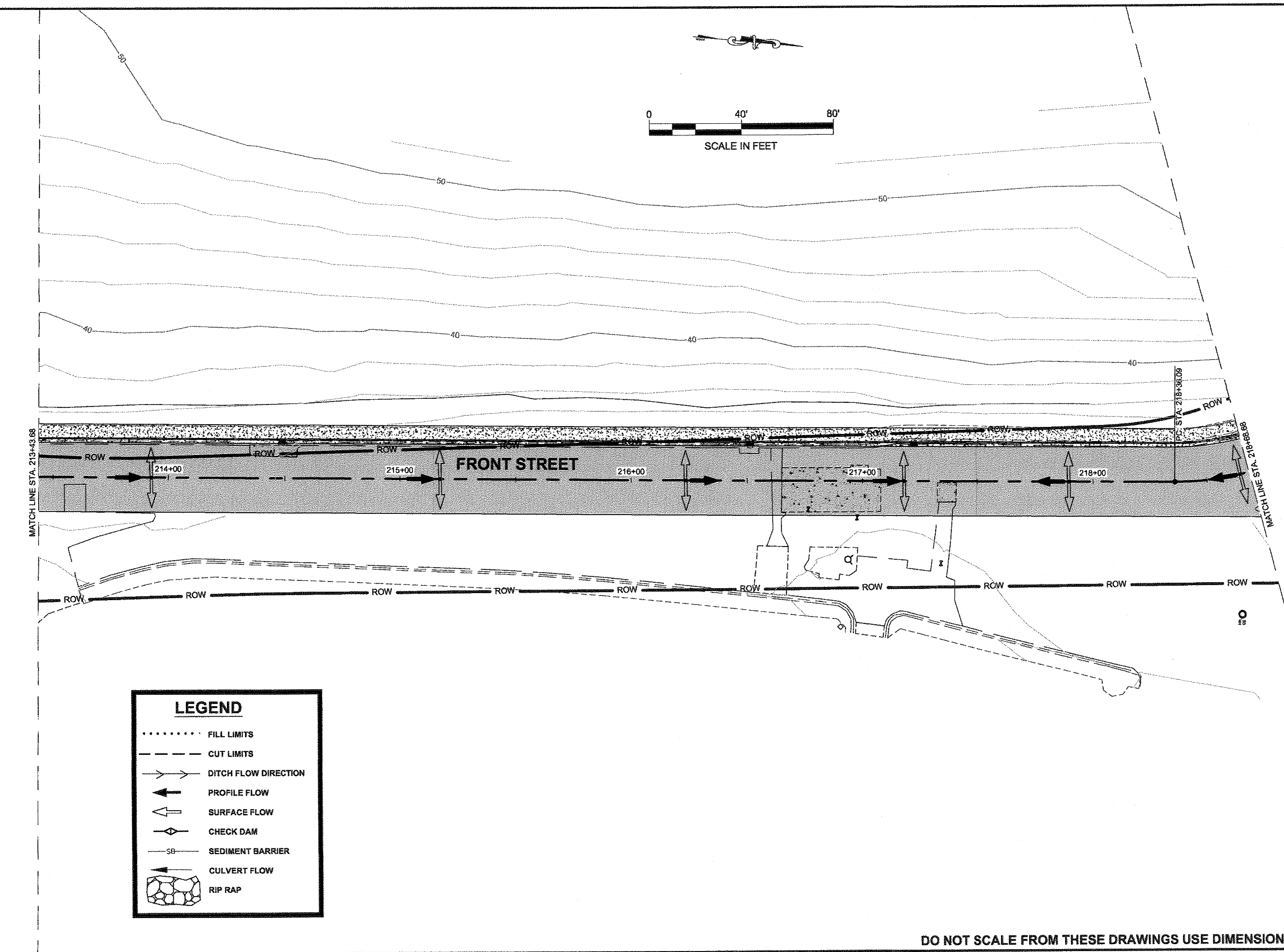
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STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P10	110

LEGEND

.....	FILL LIMITS
-----	CUT LIMITS
→→→	DITCH FLOW DIRECTION
←	PROFILE FLOW
←	SURFACE FLOW
◇	CHECK DAM
SB	SEDIMENT BARRIER
←	CULVERT FLOW
⬢	RIP RAP

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14



LEGEND

- FILL LIMITS
- - - - - CUT LIMITS
- → → DITCH FLOW DIRECTION
- ← PROFILE FLOW
- ← SURFACE FLOW
- ◇ CHECK DAM
- SB- SEDIMENT BARRIER
- ← CULVERT FLOW
- ▣ RIP RAP

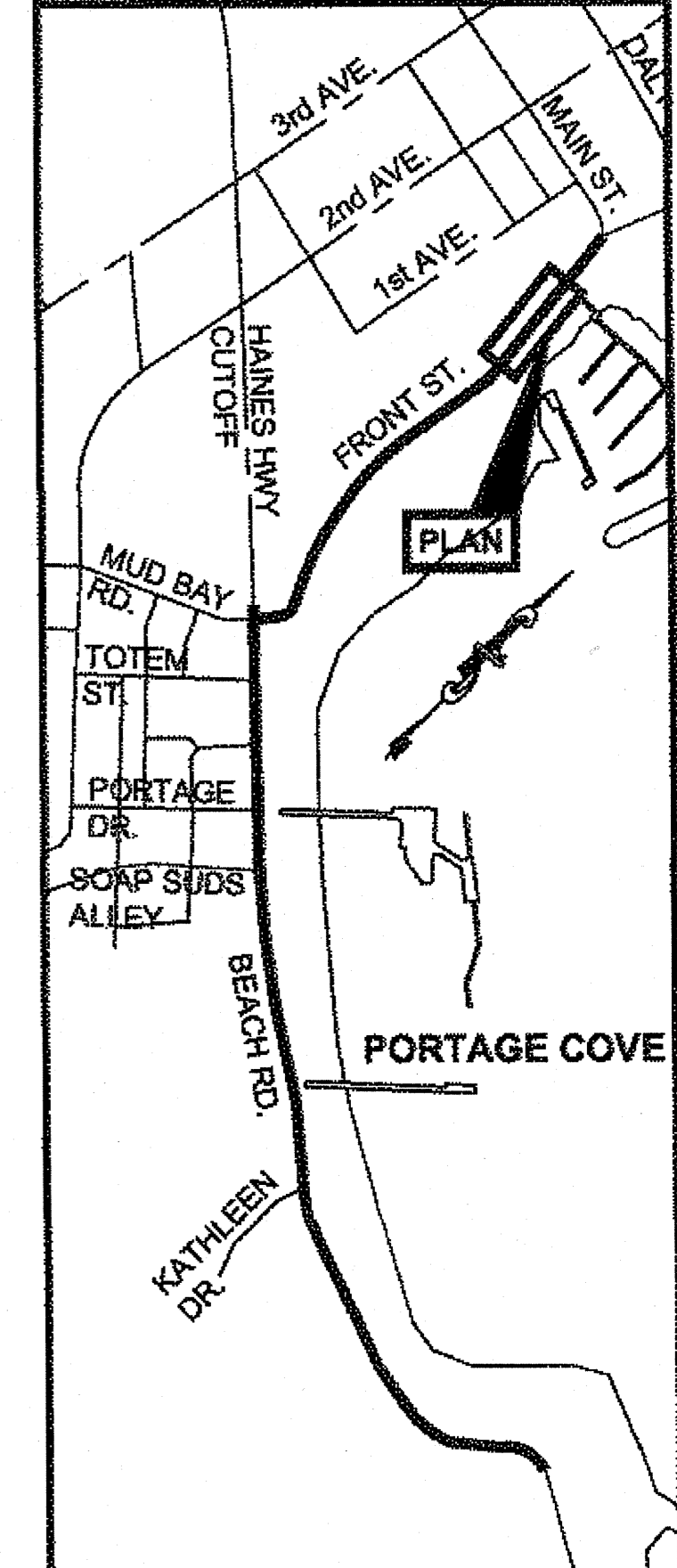
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 MULLINER, DOUGLAS J (DOT)
 TAB: P11 Monday, May 14, 2012 8:55:01 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

EROSION & SEDIMENT CONTROL PLAN

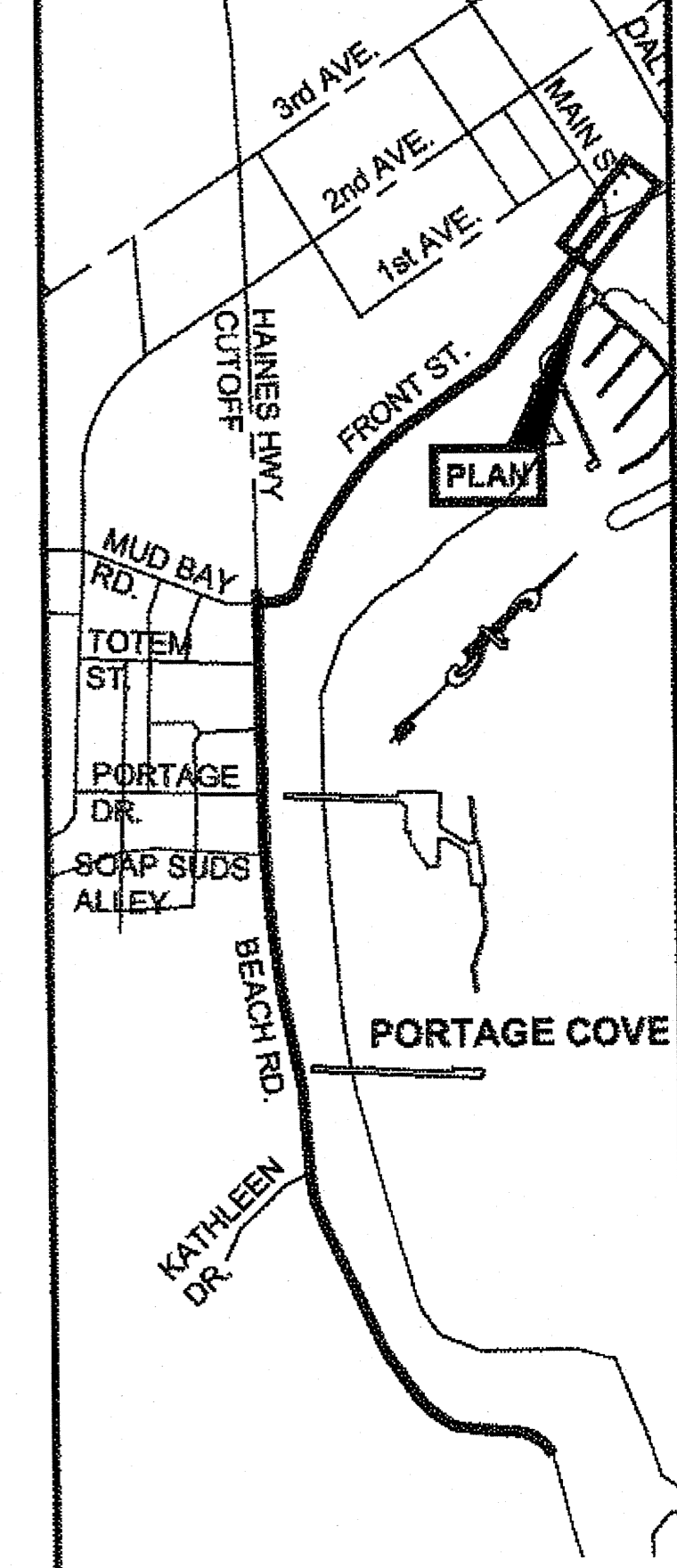
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STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P11	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14

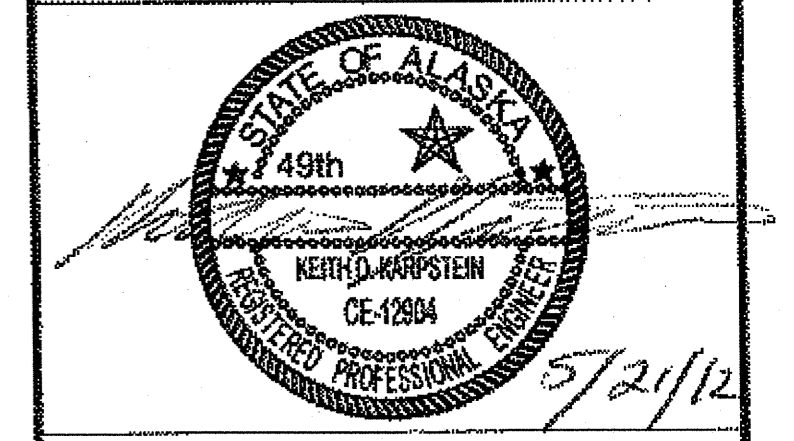
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

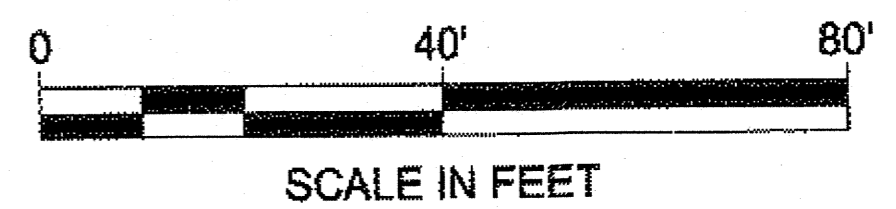
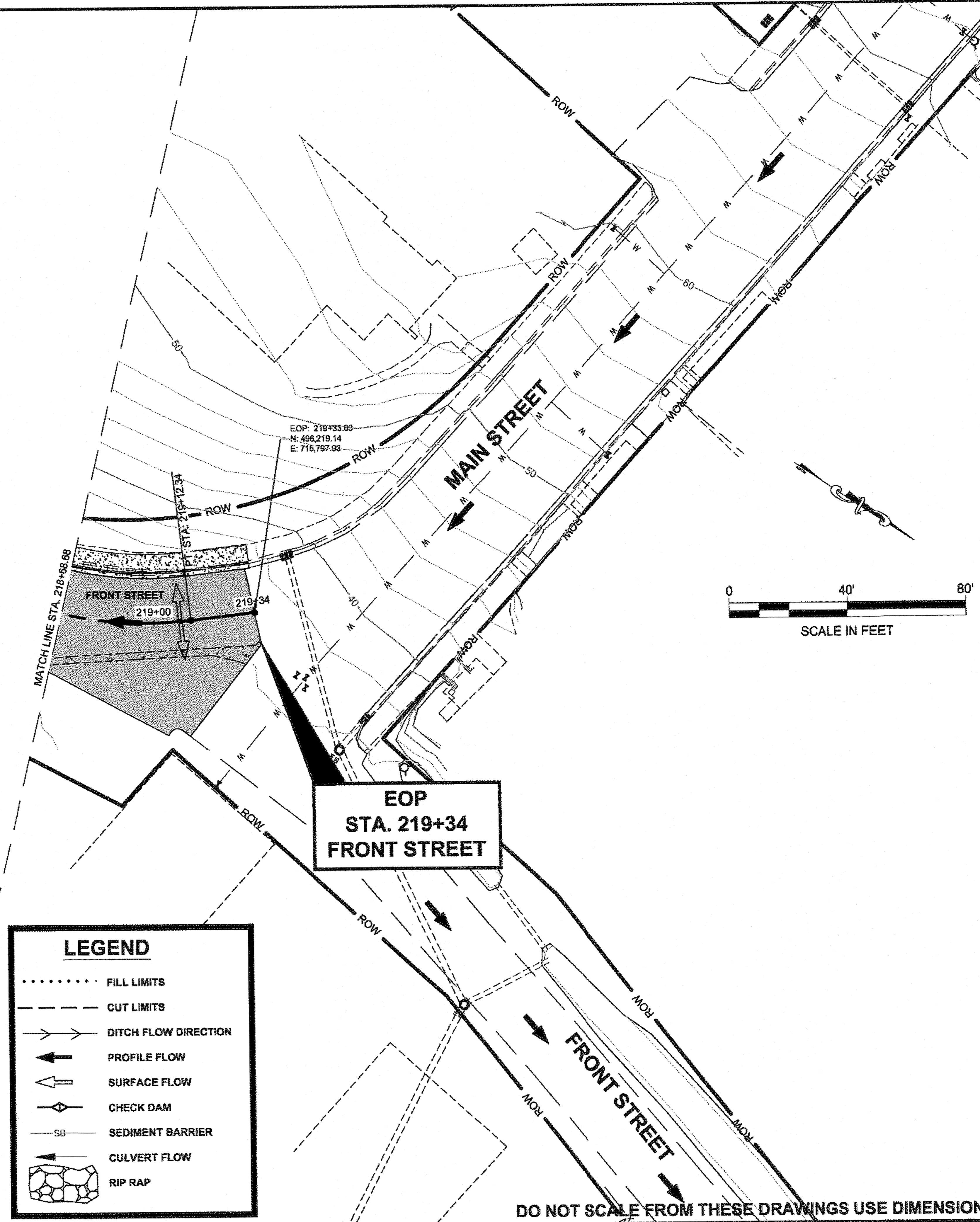
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**EROSION & SEDIMENT
 CONTROL PLAN**

PROJECT DESIGNATION

69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P12	110

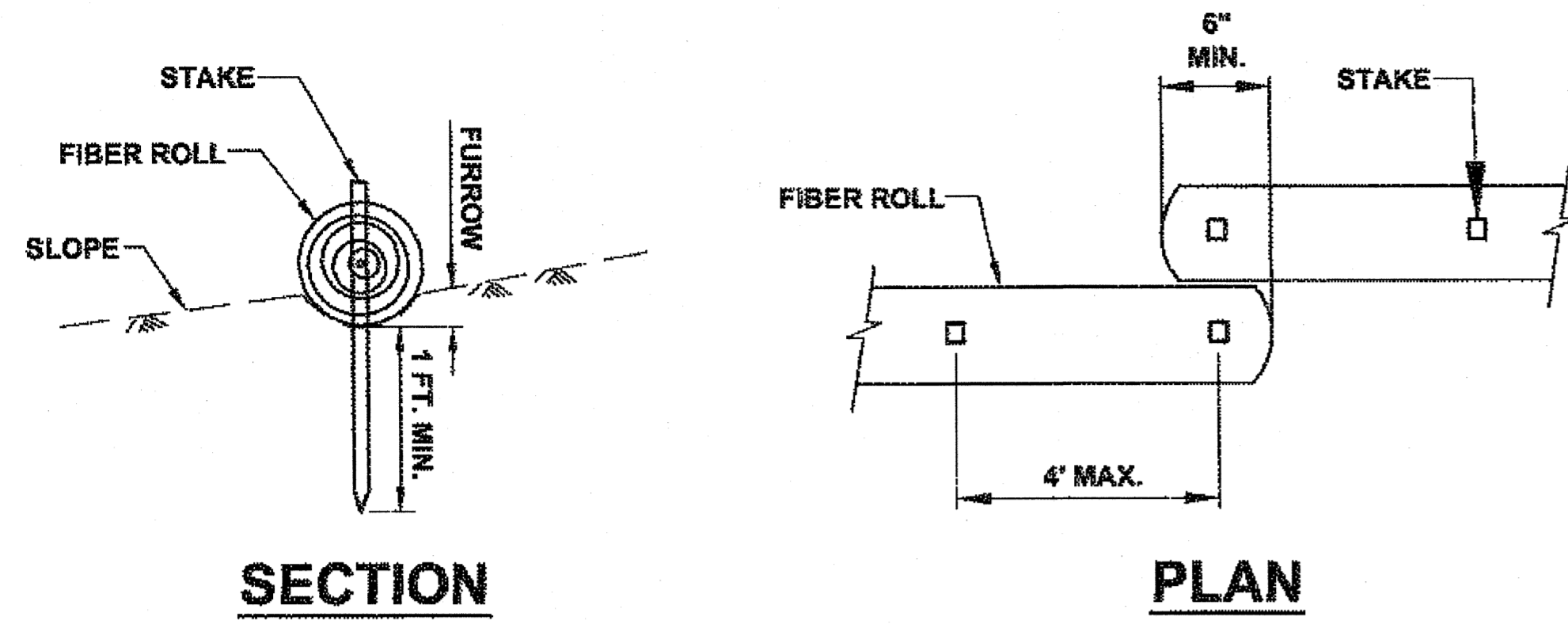


LEGEND

- FILL LIMITS
- CUT LIMITS
- DITCH FLOW DIRECTION
- ← PROFILE FLOW
- ↖ SURFACE FLOW
- ◇ CHECK DAM
- SB — SEDIMENT BARRIER
- ← CULVERT FLOW
- ⬢ RIP RAP

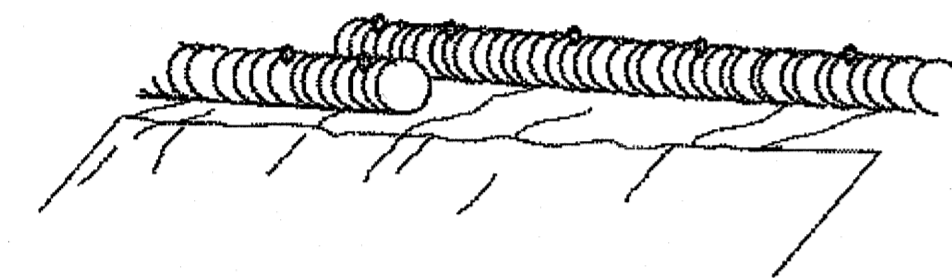
**EOP
 STA. 219+34
 FRONT STREET**

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



FIBER ROLL (TYPE 1)

N.T.S.



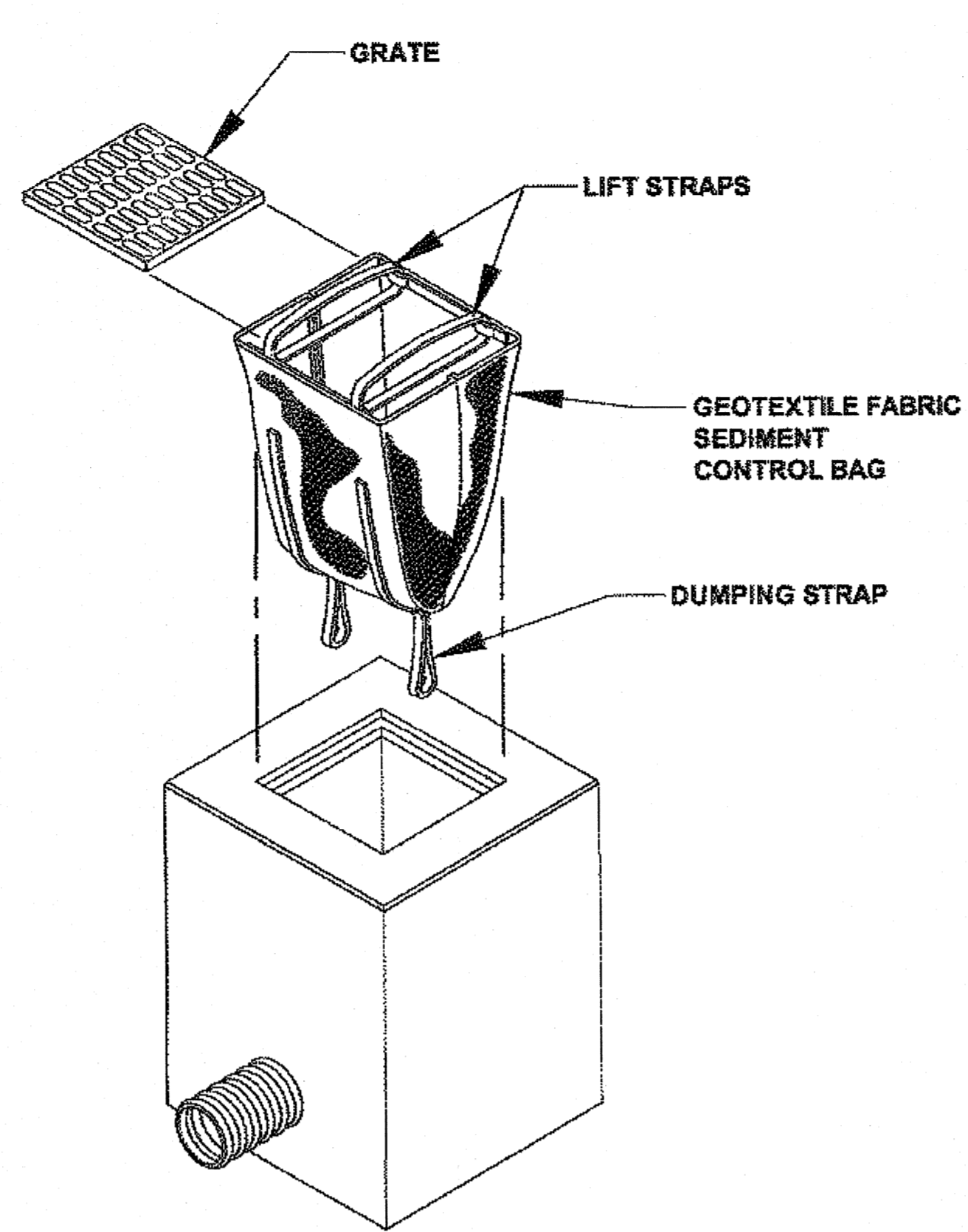
PERSPECTIVE

FIBER ROLL (TYPE 1)

N.T.S.

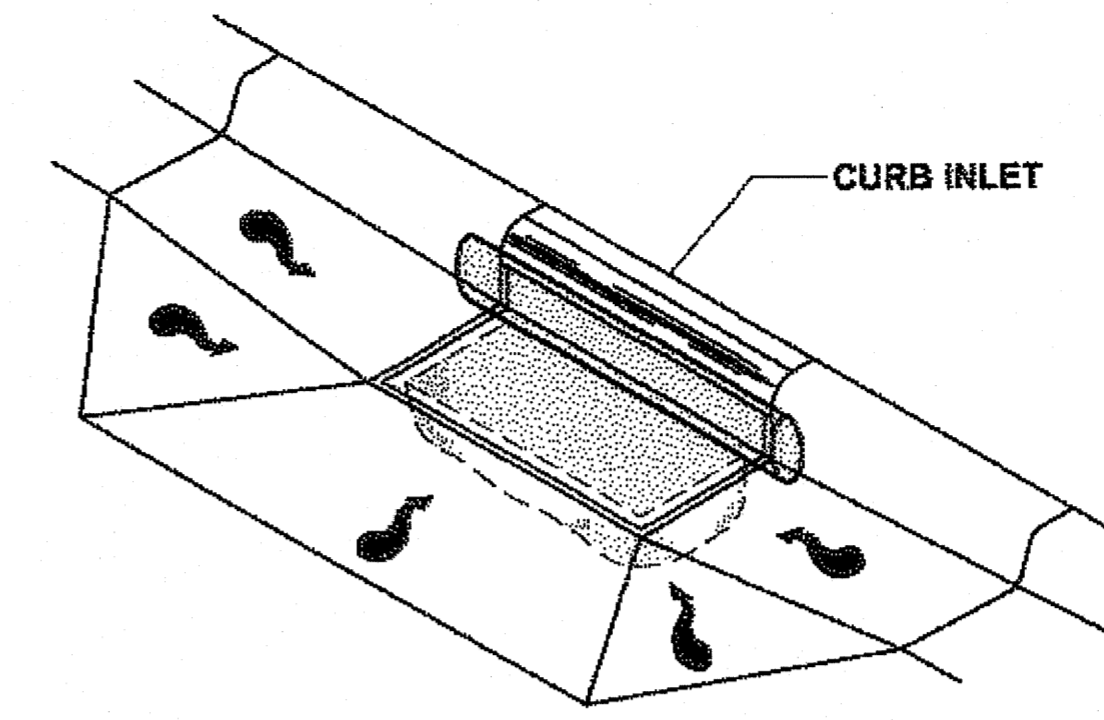
NOTES:

1. THE LOCATION AND LENGTH OF FIBER ROLLS IS DEPENDENT ON THE CONDITION OF THE SITE.
2. LAP ADJACENT FIBER ROLLS TO PREVENT SEDIMENT BYPASS.
3. ANCHOR AS NECESSARY TO FIRMLY SECURE FIBER ROLLS AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.



INLET PROTECTION DETAIL

N.T.S.



INLET PROTECTION DETAIL

N.T.S.

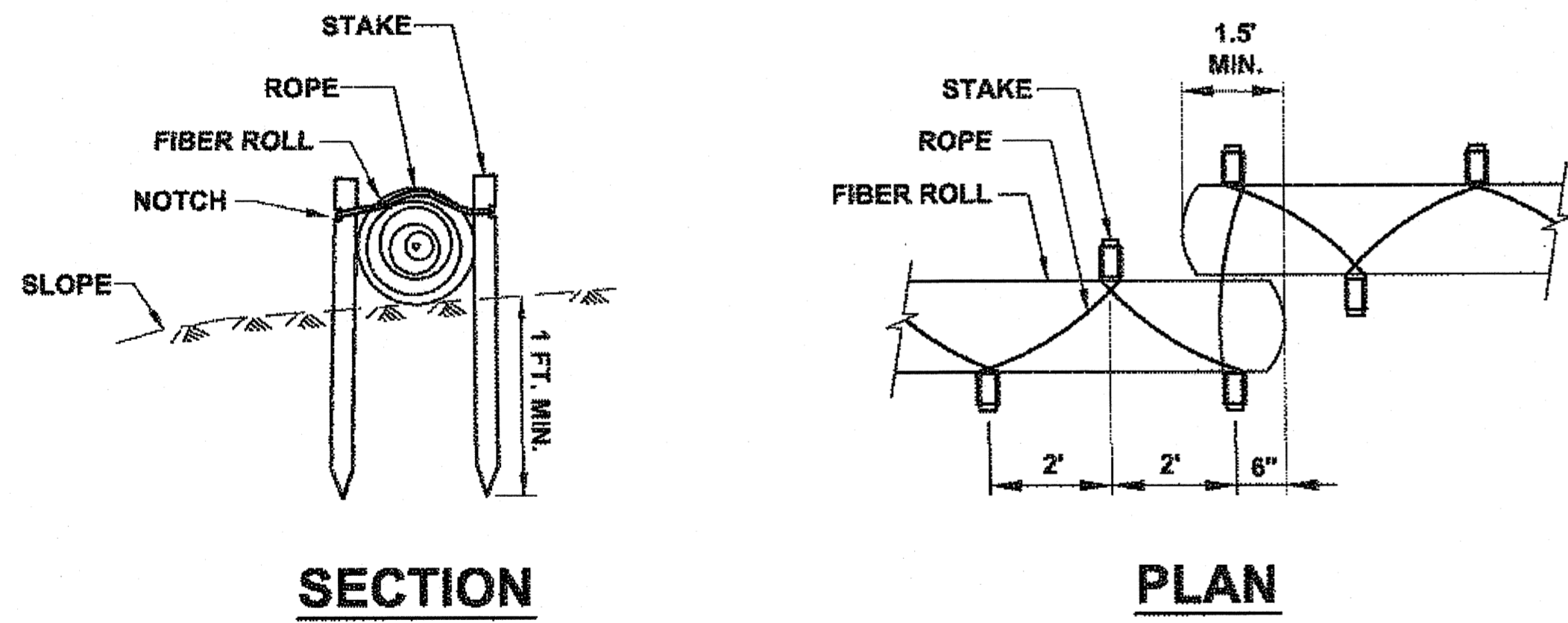
INLET PROTECTION INSTALLATION AND MAINTENANCE

1. **INSTALLATION:** REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE SEDIMENT BAG SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.
2. **MAINTENANCE:** REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE SEDIMENT BAG. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.
3. INSTALL INLET PROTECTION AT LOCATIONS PRIOR TO EARTH DISTURBING ACTIVITIES AND COLD PLANING.

EROSION & SEDIMENT CONTROL NOTES:

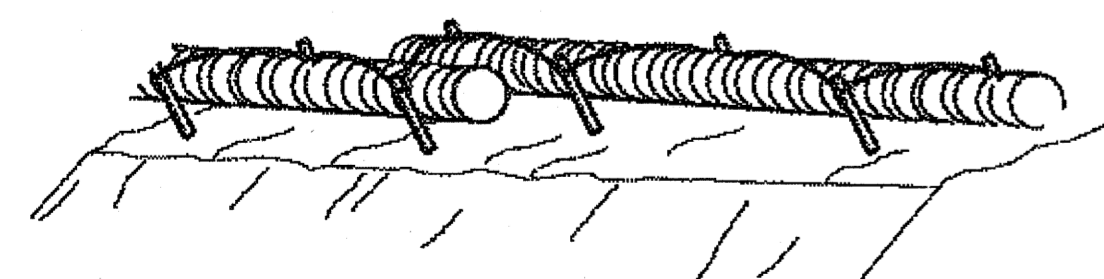
1. REFER TO APPENDIX B OF THE CONTRACT DOCUMENTS FOR THE ENVIRONMENTAL COMMITMENTS.
2. THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION 641 OF THE SPECS.
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING EARTH DISTURBING ACTIVITIES AND COLD PLANING OR AS SPECIFIED ELSEWHERE.
4. IF INSPECTION REVEALS SEDIMENT IS DISCHARGED BEYOND THE PROJECT WORK LIMITS. IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL BMP'S MAY BE REQUIRED.

INLET PROTECTION		
STATION	OFFSET	REMARKS
BEACH ROAD		
121+83	LT	FIELD INLET (S-1)
126+30	RT	CB
127+07	RT	CB
127+77	RT	CB
128+62	RT	CB
129+07.45	LT	FIELD INLET (S-2)
129+07.45	LT	NEW INSTALLED CB (S-3)
129+72.20	LT	NEW INSTALLED CB (S-4)
130+17	RT	CB
130+60	LT	NEW INSTALLED FIELD INLET (S-6)
131+75	RT	CB
131+78.62	LT	NEW INSTALLED VALLEY GUTTER (S-6)
132+56	LT	CB (S-7)
134+43	LT	NEW INSTALLED CB (S-8)
135+73	LT	NEW INSTALLED CB (S-9)
136+62	LT	NEW INSTALLED FIELD INLET (S-10)
136+75	LT	NEW INSTALLED CB (S-11)
137+07	RT	NEW INSTALLED CB (S-12)
137+42	LT	NEW INSTALLED CB (S-13)
FRONT STREET		
201+13	RT	NEW INSTALLED CB (S-14)
204+44	RT	CB
205+46	RT	CB
205+96	LT	CB
207+67	RT	CB
209+75	RT	CB
209+83	LT	CB
210+71	LT	CB
214+49	LT	CB
216+51	LT	CB
217+22	LT	CB



FIBER ROLL (TYPE 2)

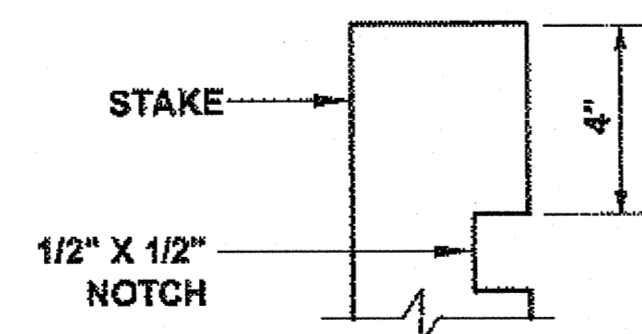
N.T.S.



PERSPECTIVE

FIBER ROLL (TYPE 2)

N.T.S.



STAKE TYPE 2

TYPICAL FIBER ROLL DETAIL

N.T.S.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

PATH: Q:\HNS\69316\ENDDWG\PLANSET\69316_P_EROSION & SEDIMENT DETAILS.DWG

TAB: P13 Monday, May 14, 2012 8:50:41 AM MULLINER, DOUGLAS J (DOT)

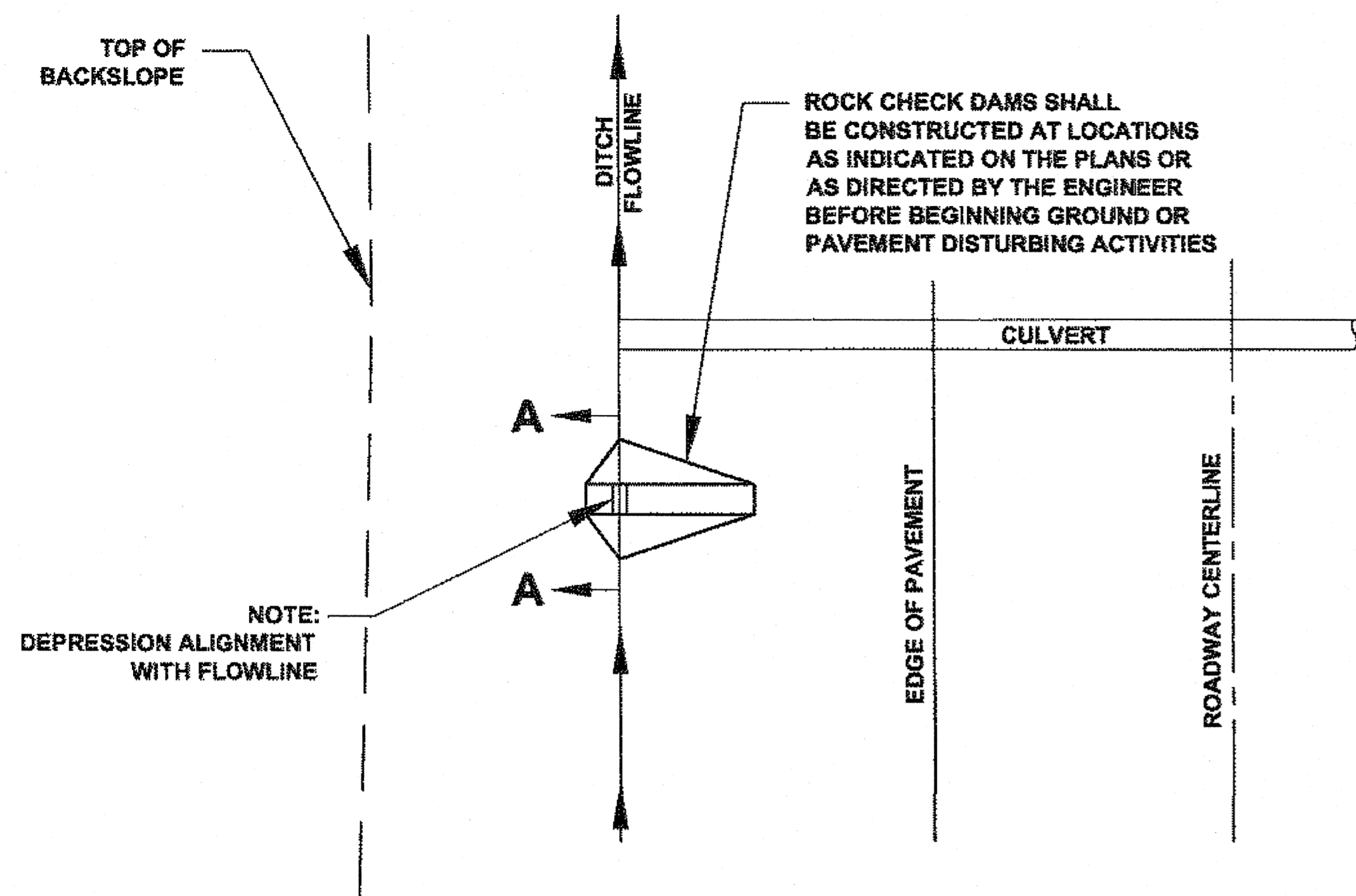
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

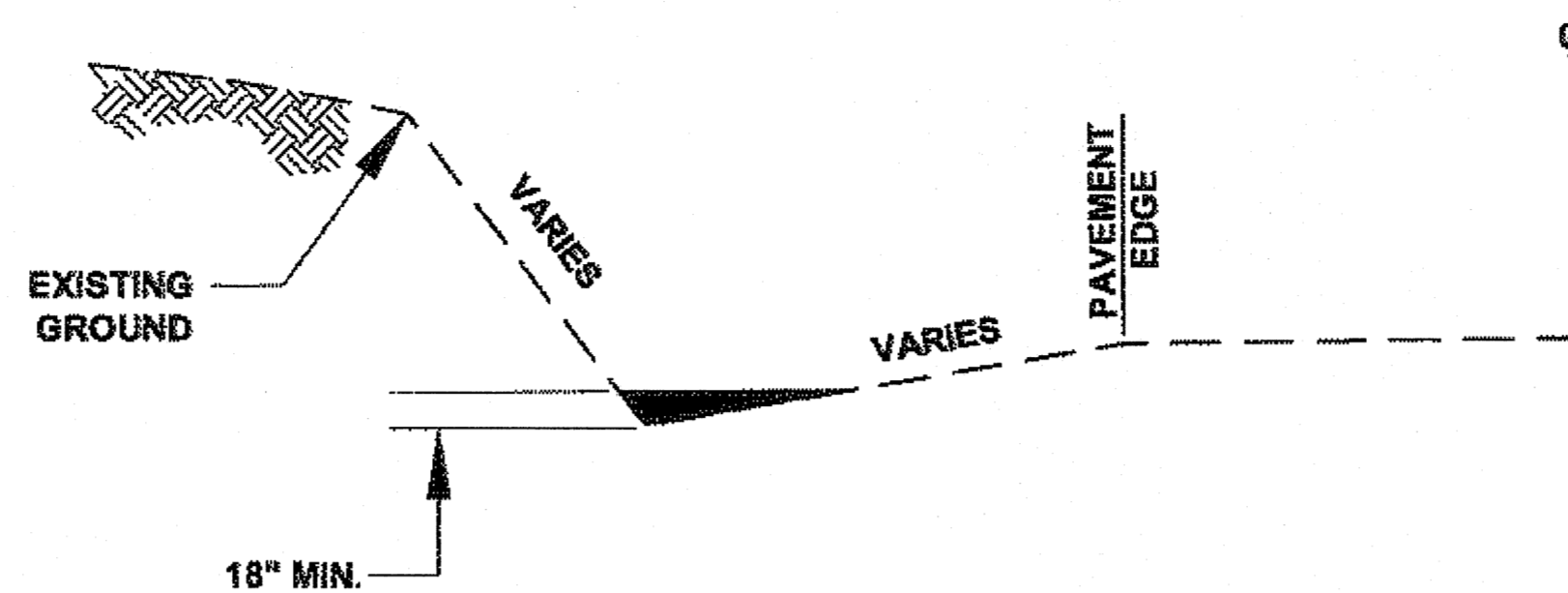
EROSION & SEDIMENT CONTROL DETAILS

NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69316	2012	P13	110

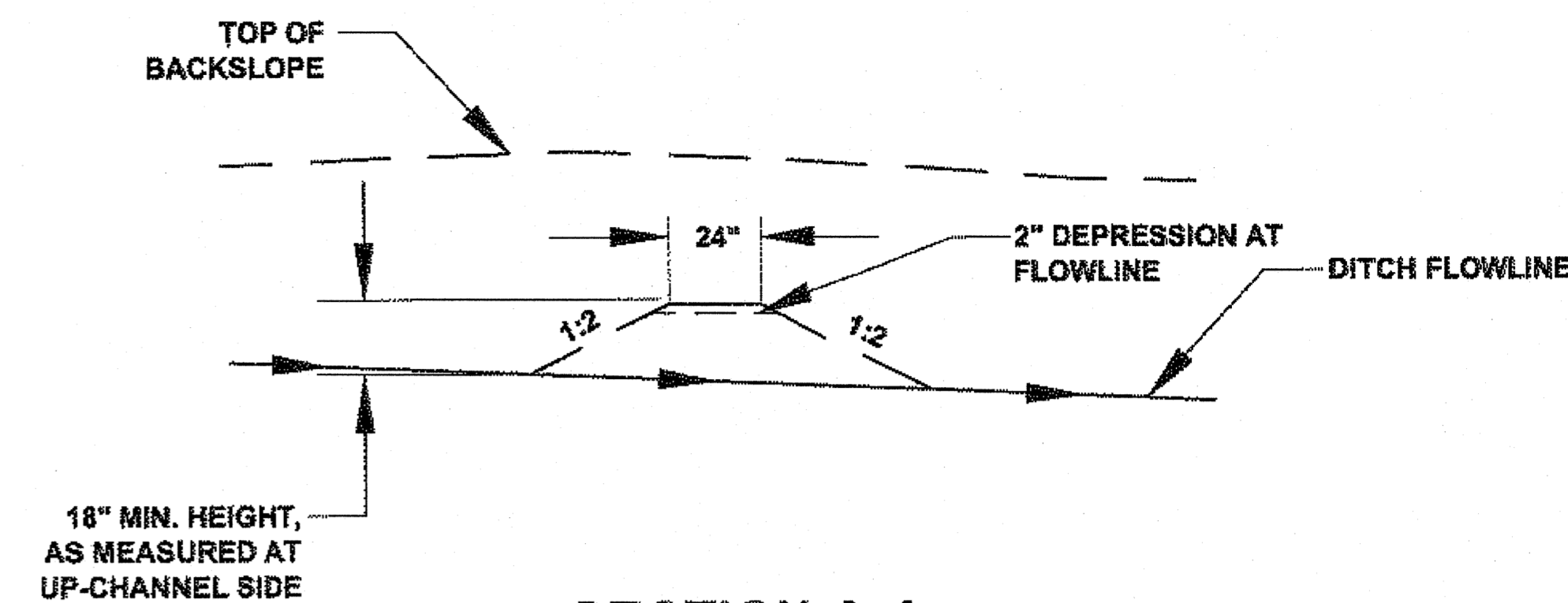
BS 1-13-14



PLAN

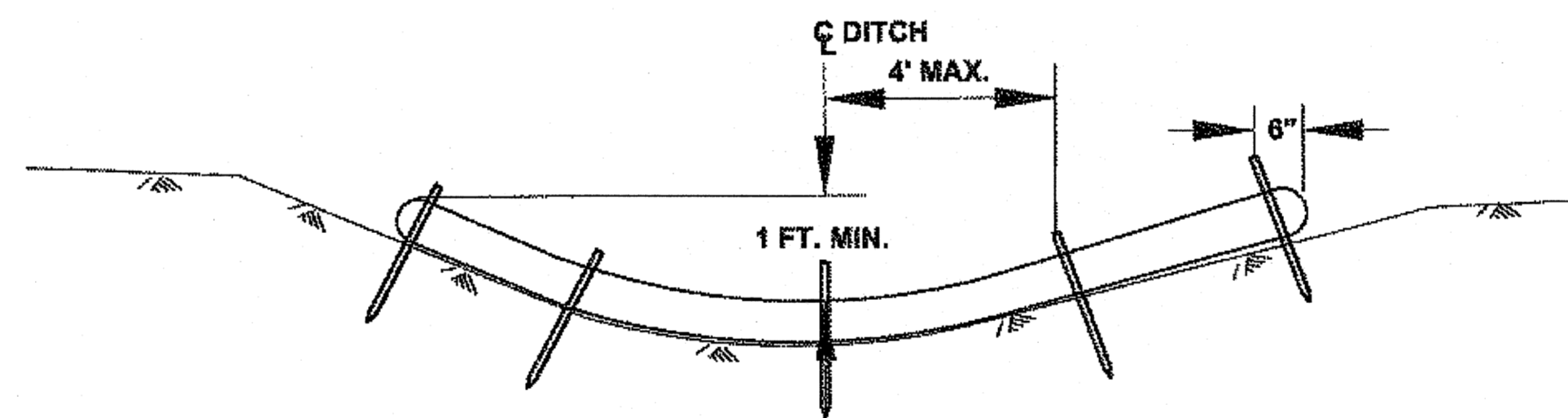


ELEVATION

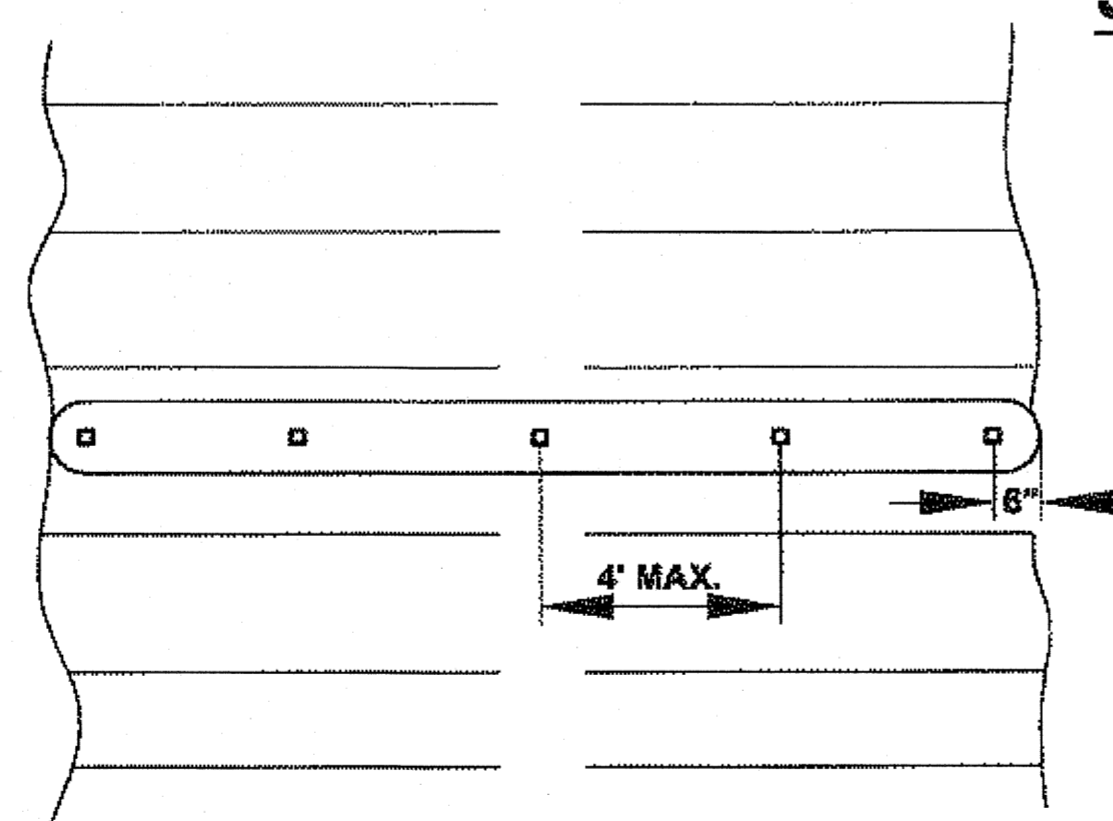


SECTION A-A

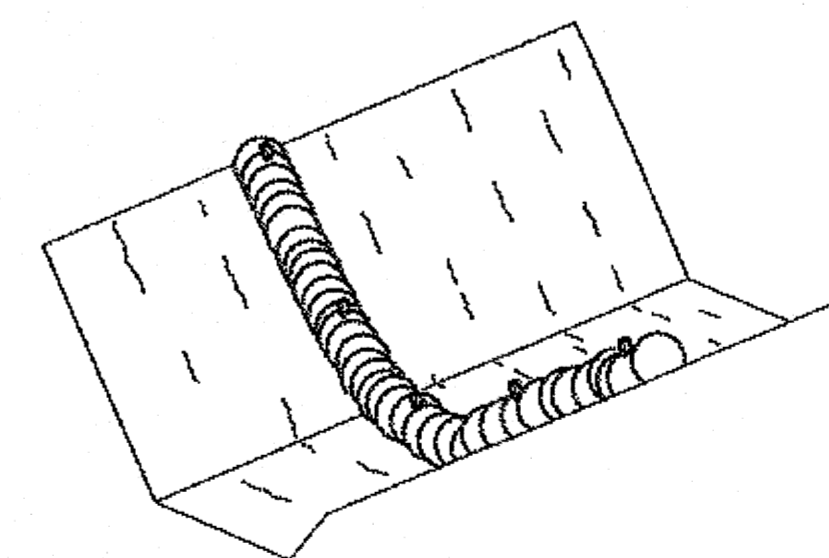
ROCK CHECK DAM DETAILS



SECTION



PLAN



PERSPECTIVE

NOTES:

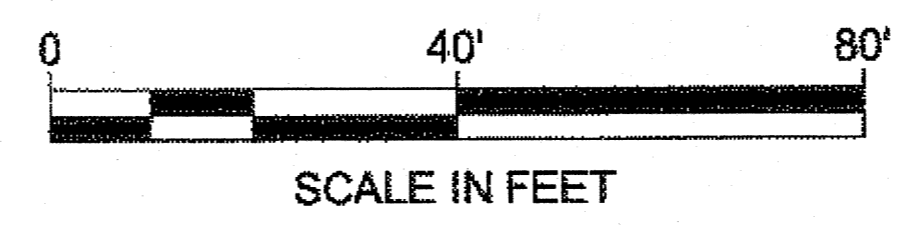
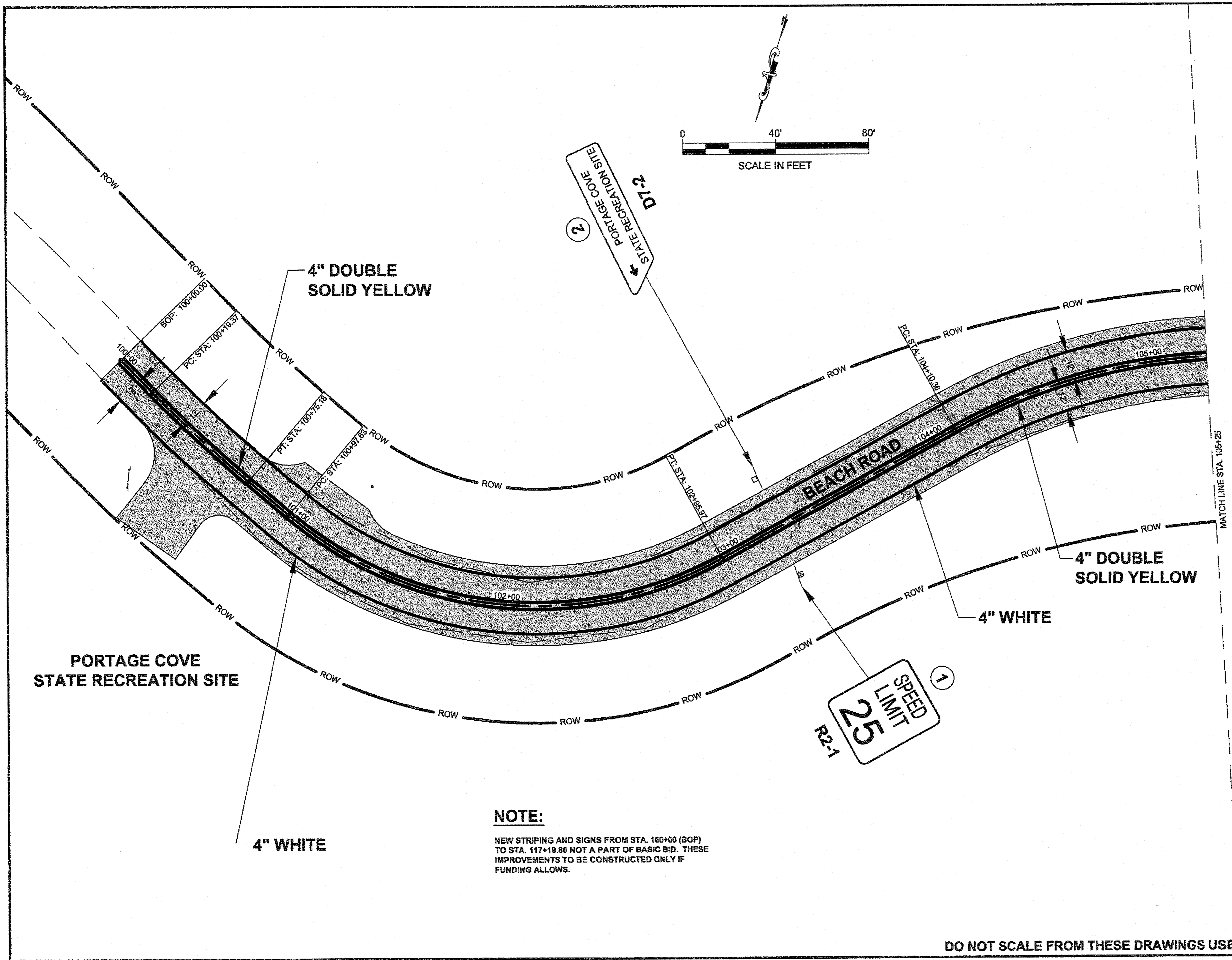
1. FURROW AND STAKE EMBEDMENT ARE THE SAME AS FIBER ROLL (TYPE1).
2. START STAKE INSTALLATION WITH STAKE IN THE CENTER AND STAKES 6" FROM EACH END. EQUALLY SPACE REMAINING STAKES A MAXIMUM OF 4' O.C.

FIBER ROLL DITCH CHECK

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION										
		HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316										
		EROSION & SEDIMENT CONTROL DETAILS										
DESIGNED BY: D. MULLINER		YEAR: 2012										
DRAWN BY: D. MULLINER		SHEET NO. P14										
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REVISIONS												
NO.	DATE	DESCRIPTION										

B 1-13-14



D7-2
STATE RECREATION SITE

R2-1
SPEED LIMIT
25

4" DOUBLE SOLID YELLOW

4" DOUBLE SOLID YELLOW

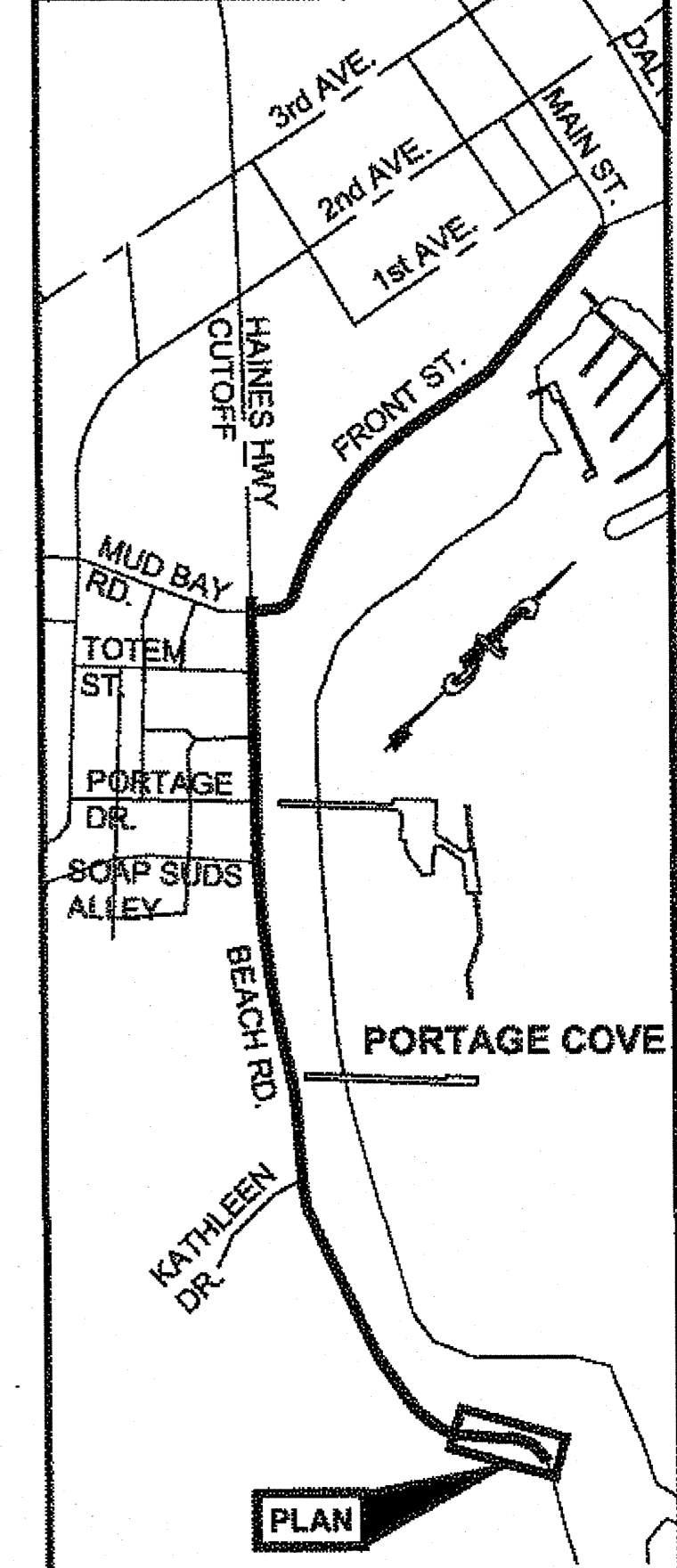
4" WHITE

4" WHITE

NOTE:
NEW STRIPING AND SIGNS FROM STA. 100+00 (BOP) TO STA. 117+19.80 NOT A PART OF BASIC BID. THESE IMPROVEMENTS TO BE CONSTRUCTED ONLY IF FUNDING ALLOWS.

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TAB: R1 Monday, May 14, 2012 8:56:43 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: D. EPSTEIN

DESIGNED BY: D. MULLINER
DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

SIGNING & STRIPING PLAN

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R1	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14

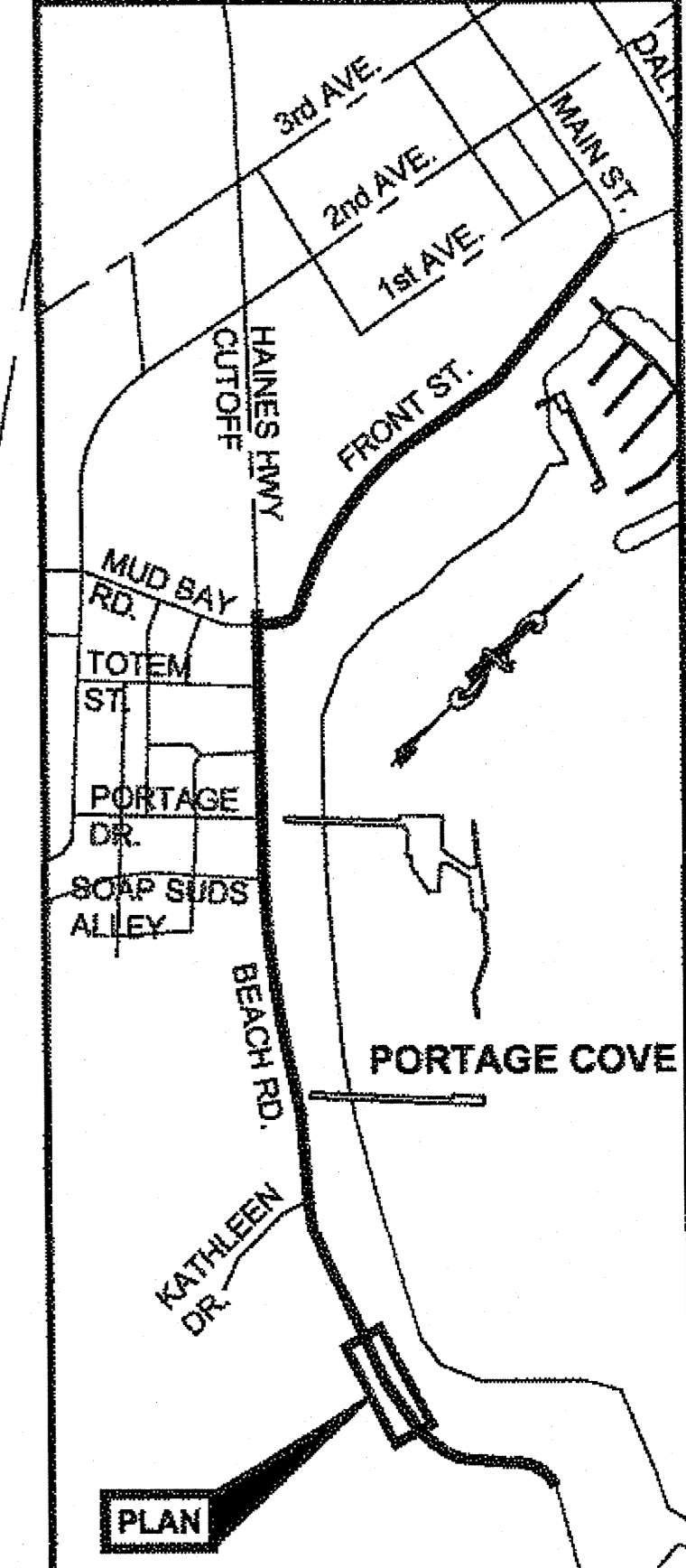
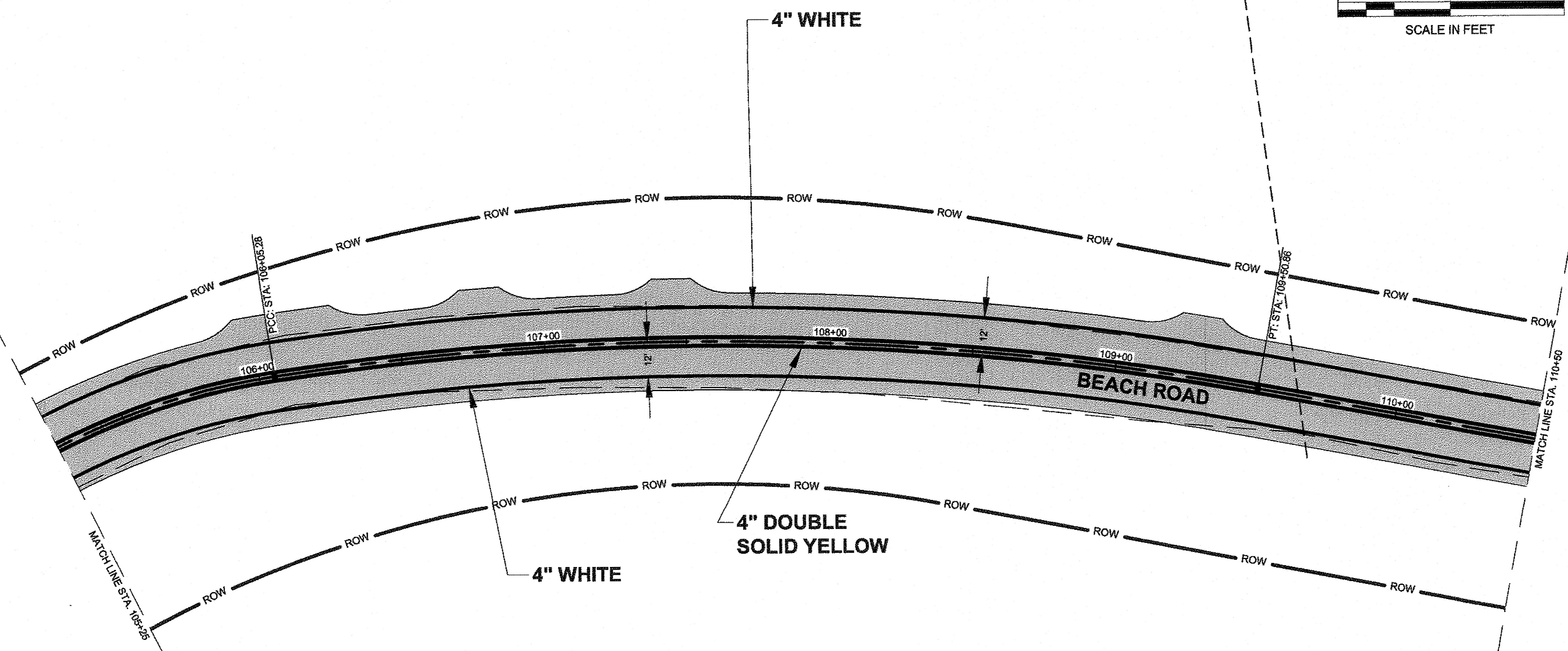
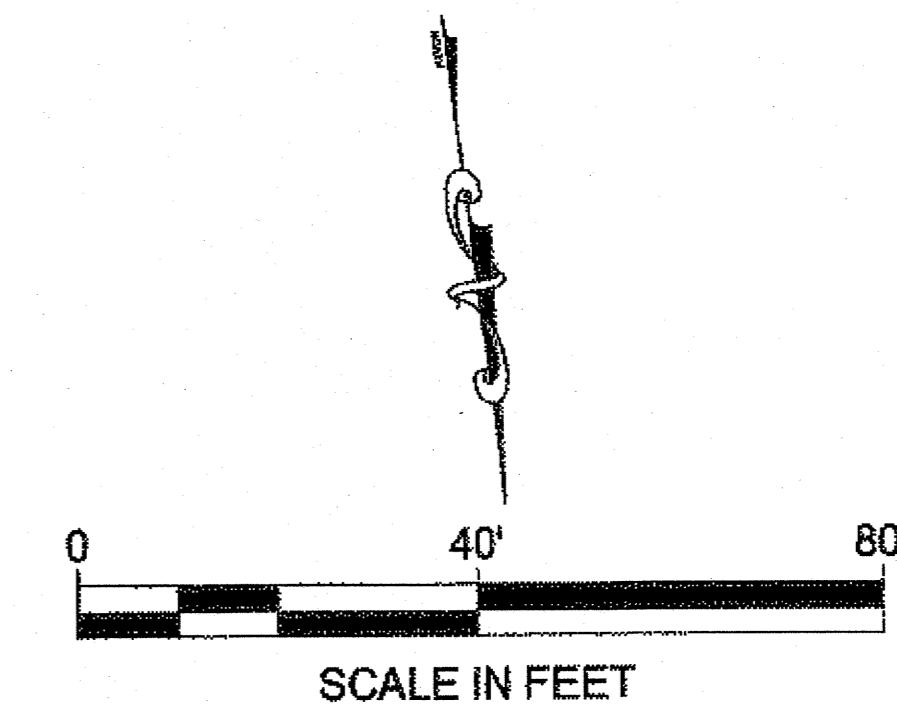
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ADDENDUM NUMBER

ATTACHMENT NUMBER

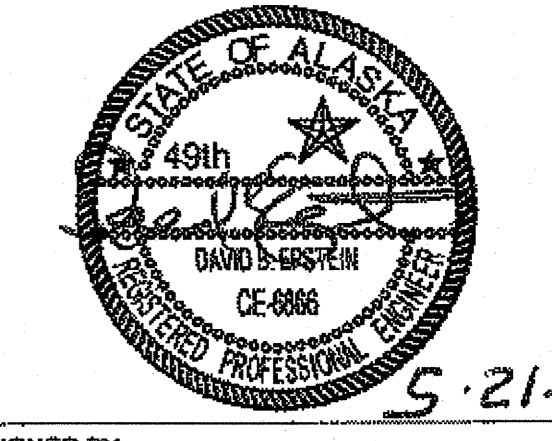
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**SIGNING &
 STRIPING PLAN**

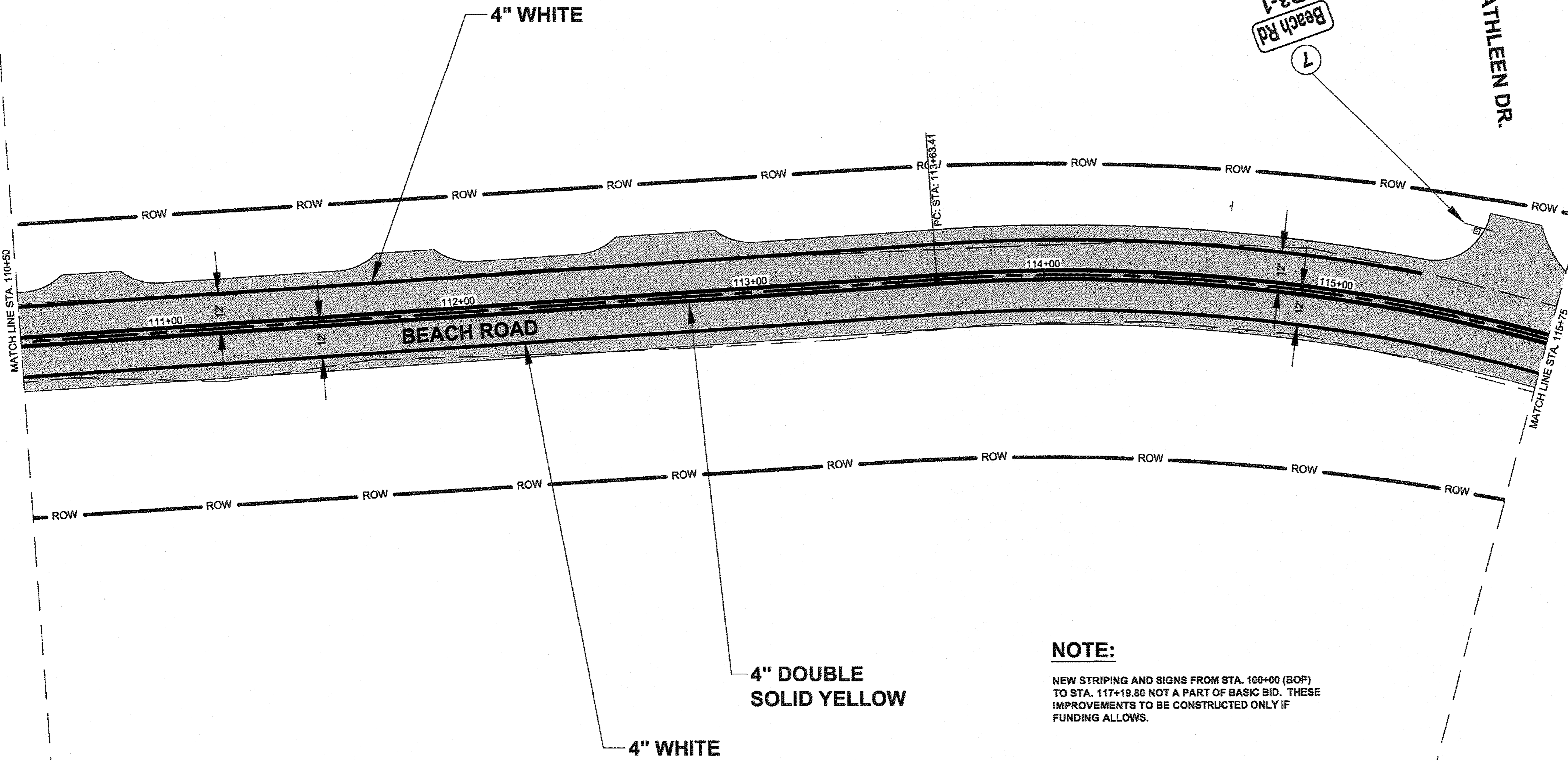
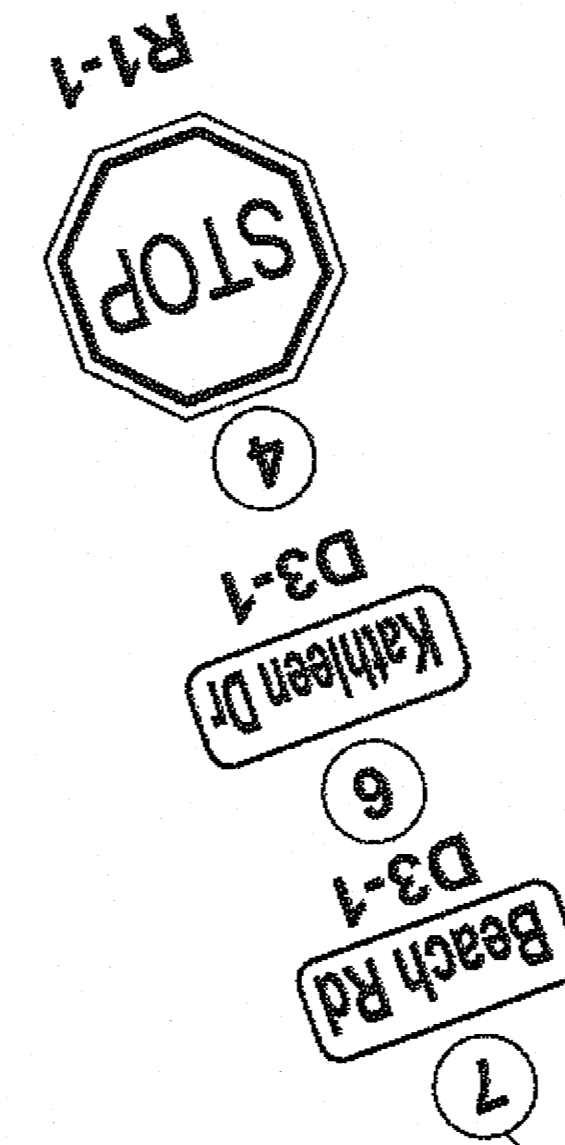
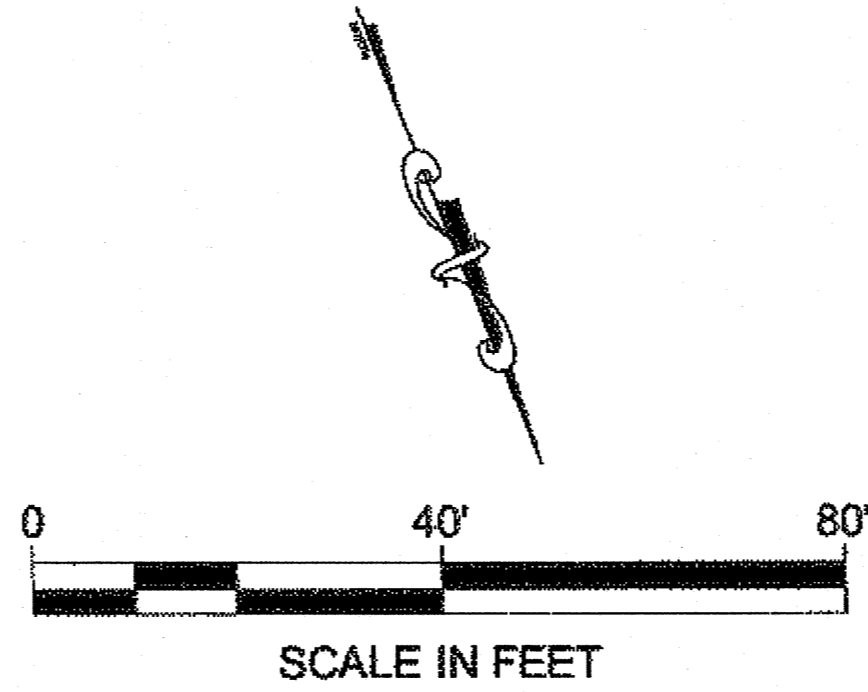
PROJECT DESIGNATION

69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R2	110

NOTE:
 NEW STRIPING AND SIGNS FROM STA. 100+00 (BOP)
 TO STA. 117+19.80 NOT A PART OF BASIC BID. THESE
 IMPROVEMENTS TO BE CONSTRUCTED ONLY IF
 FUNDING ALLOWS.

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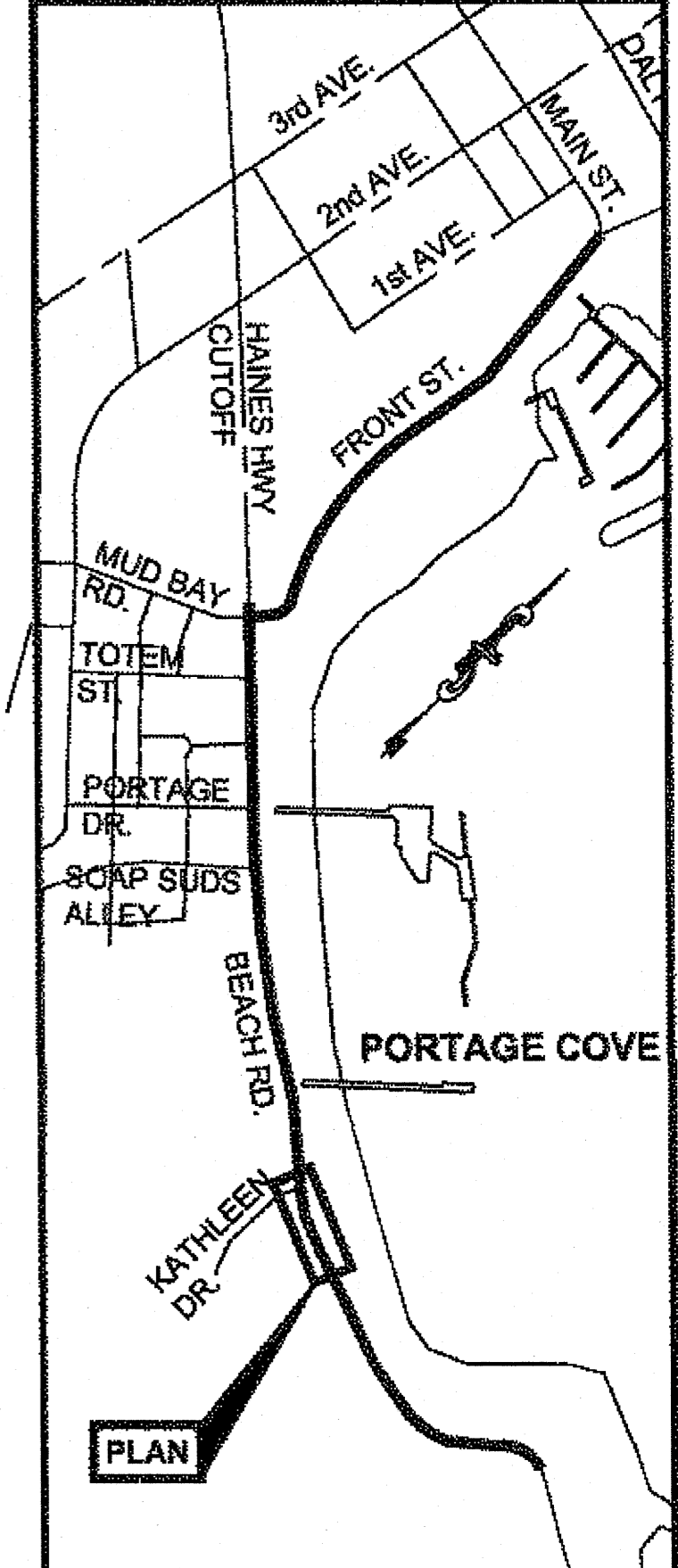
BS 1-13-14



NOTE:
 NEW STRIPING AND SIGNS FROM STA. 100+00 (BOP)
 TO STA. 117+19.80 NOT A PART OF BASIC BID. THESE
 IMPROVEMENTS TO BE CONSTRUCTED ONLY IF
 FUNDING ALLOWS.

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 MULLINER, DOUGLAS J (DOT)
 TAB: R3 Monday, May 14, 2012 8:57:18 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**SIGNING &
 STRIPING PLAN**

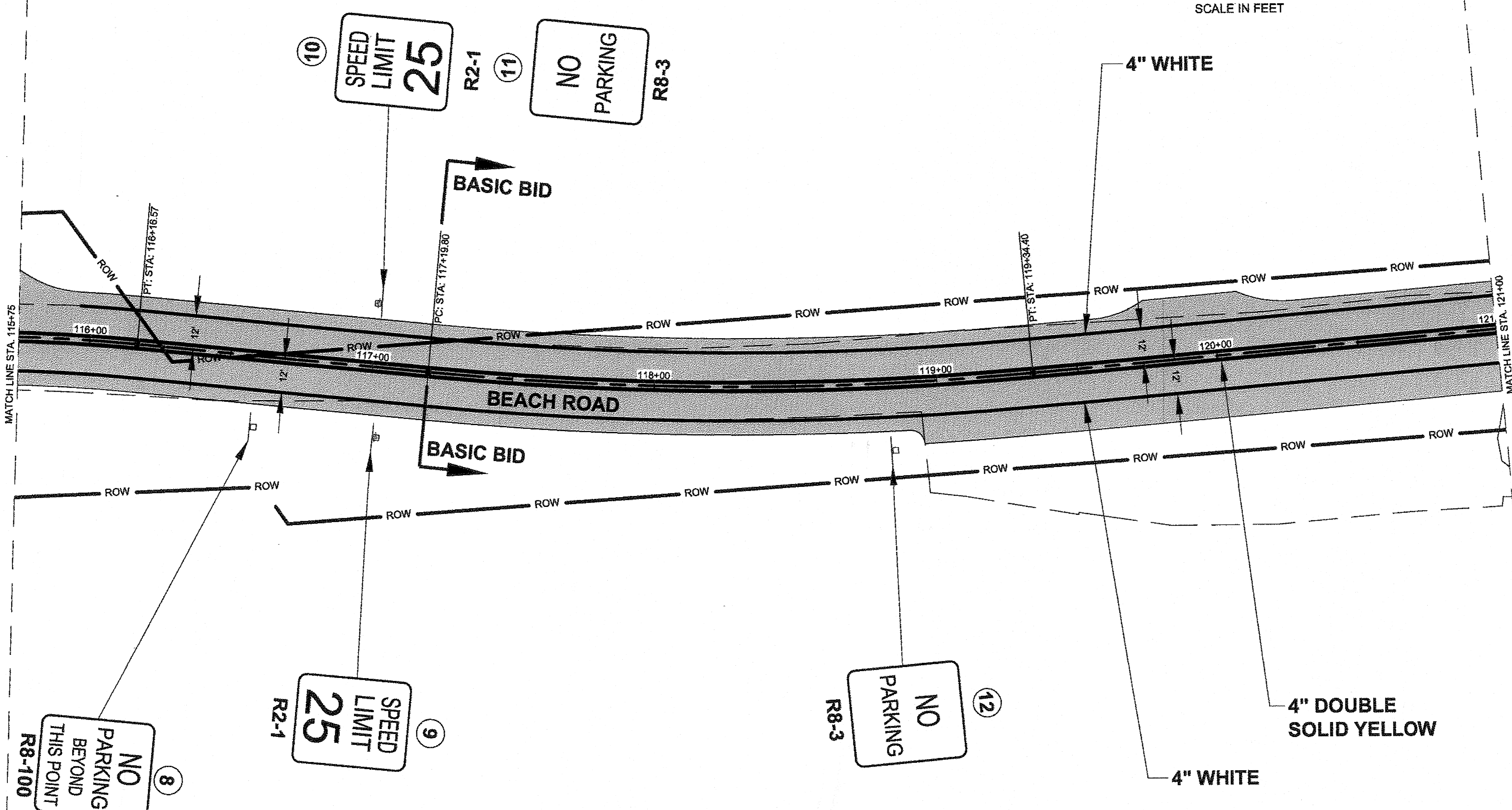
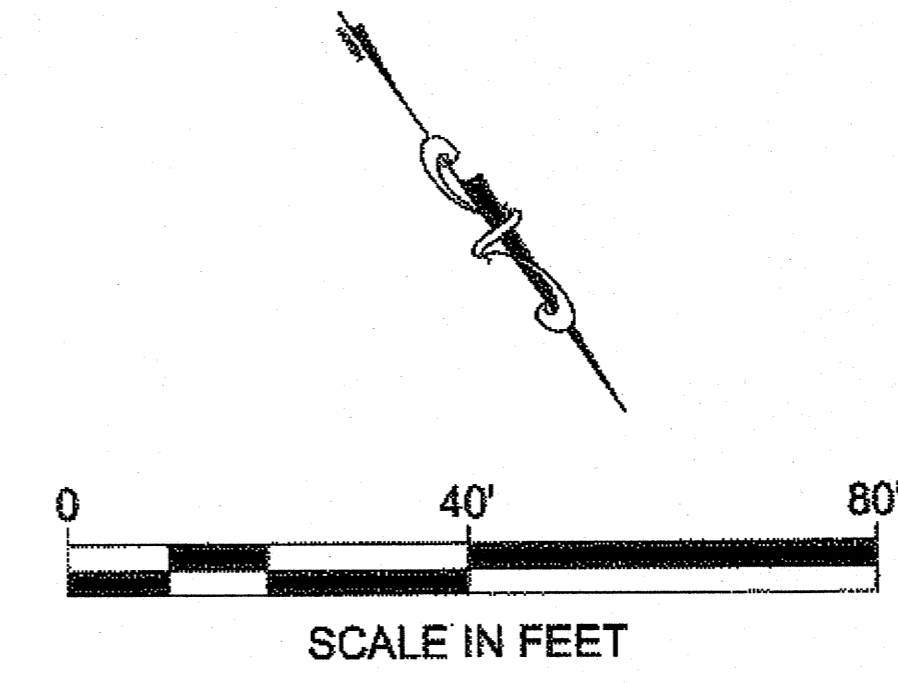
PROJECT DESIGNATION	
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STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R3	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

B 1-13-14

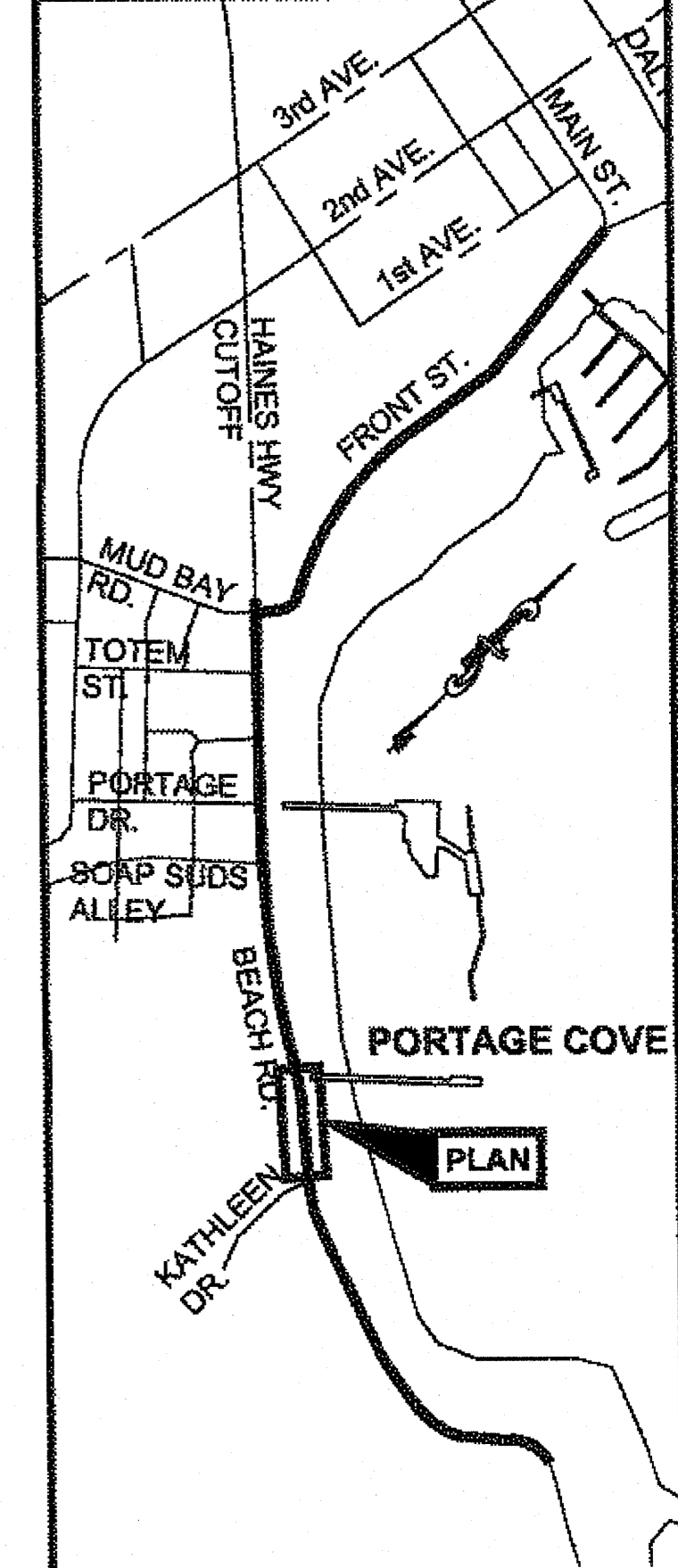
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ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

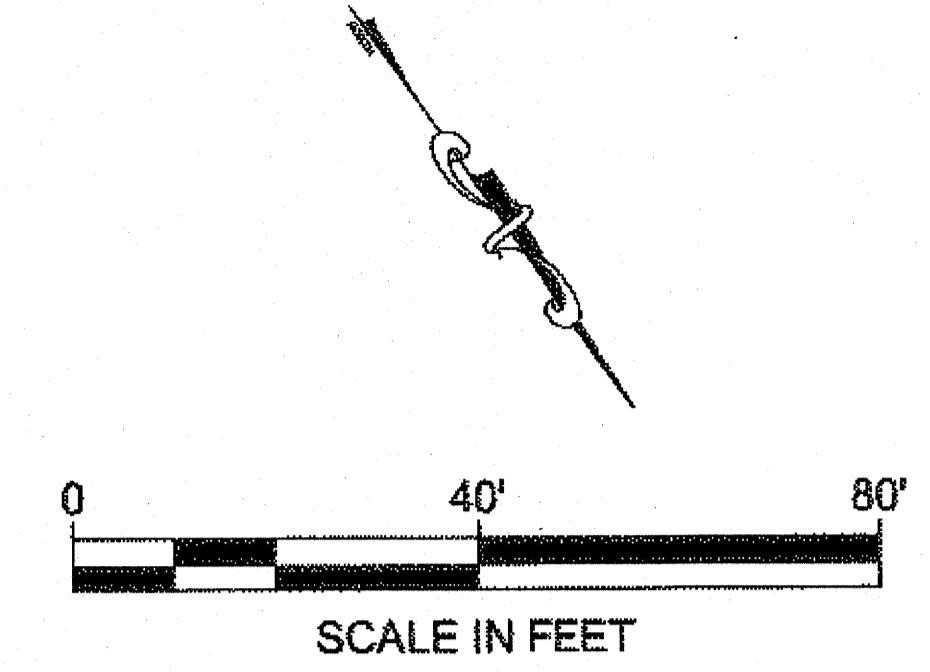
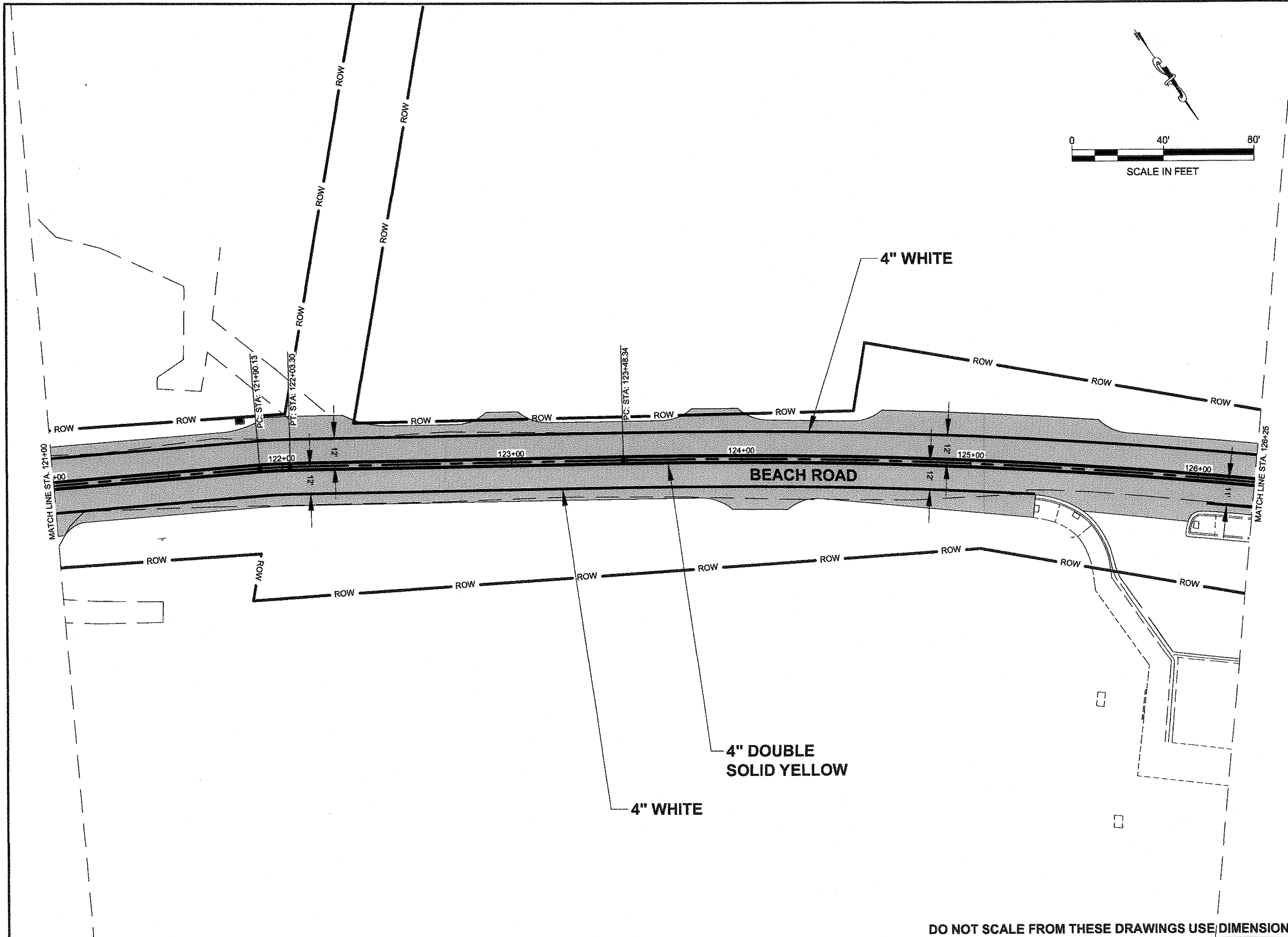
HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**SIGNING &
 STRIPING PLAN**

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R4	110

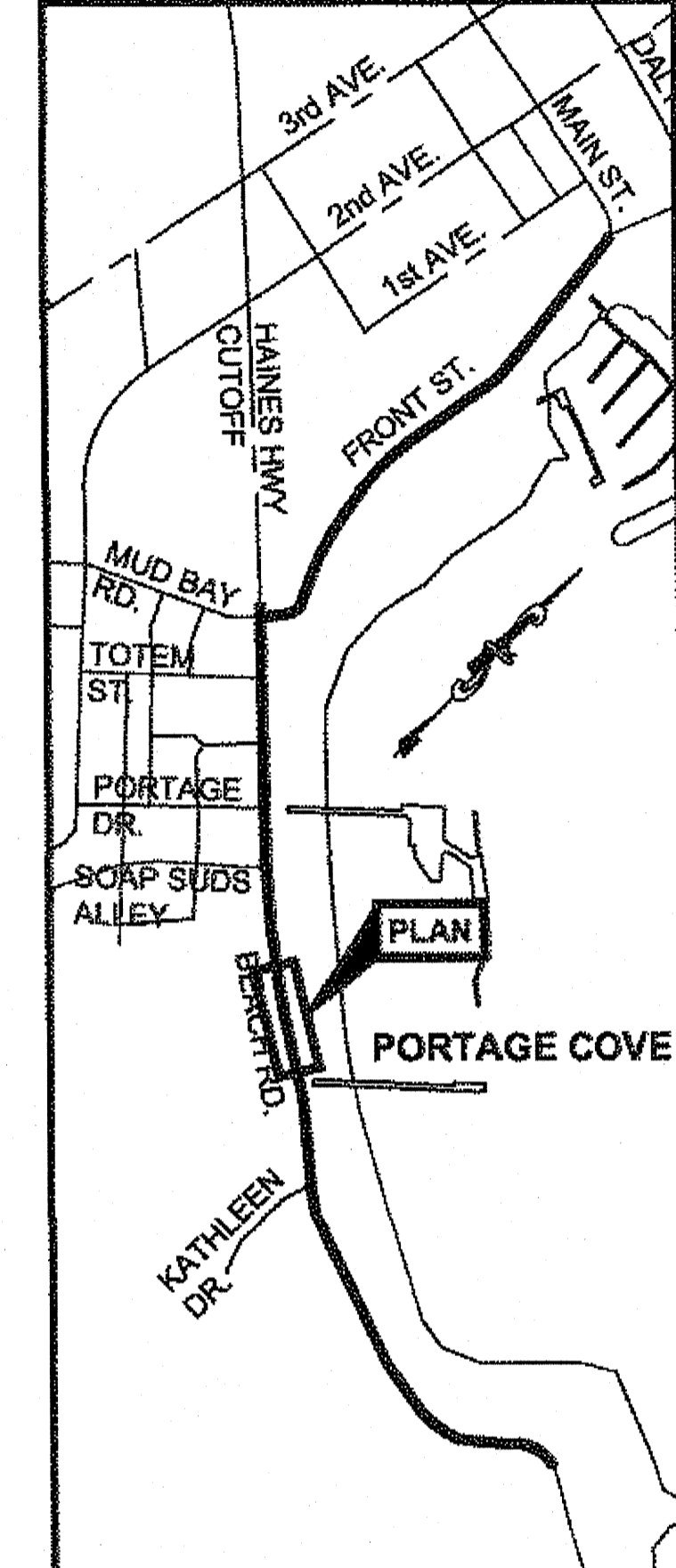
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

B 1-13-14



PATH: Q:\HNS\69316\ENDDWG'S
 PLANSET\69316_R_SHT_WITH
 INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: R5 Monday, May 14, 2012 8:57:49 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316**

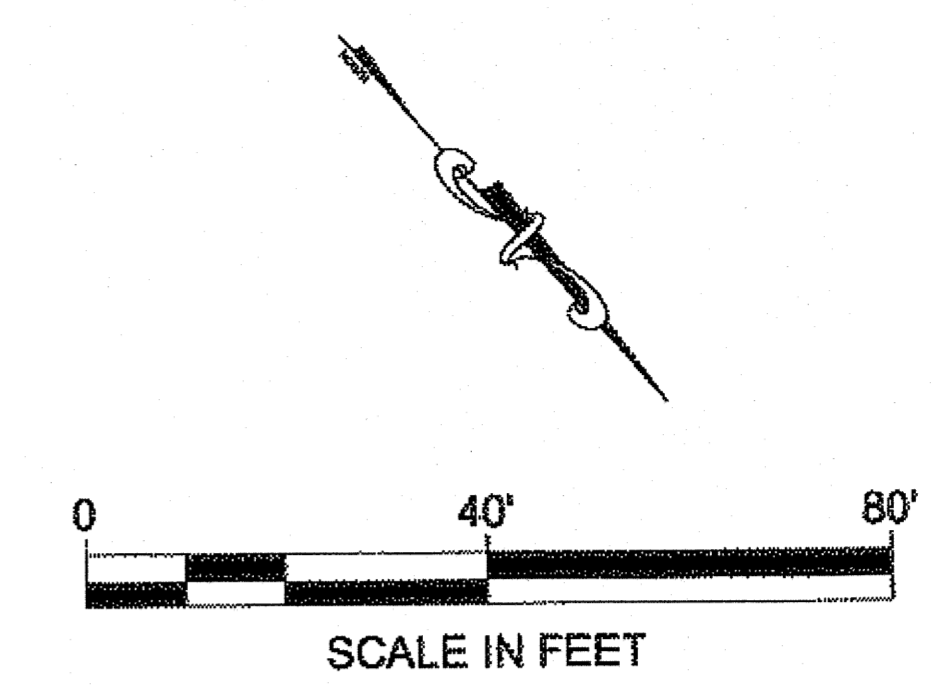
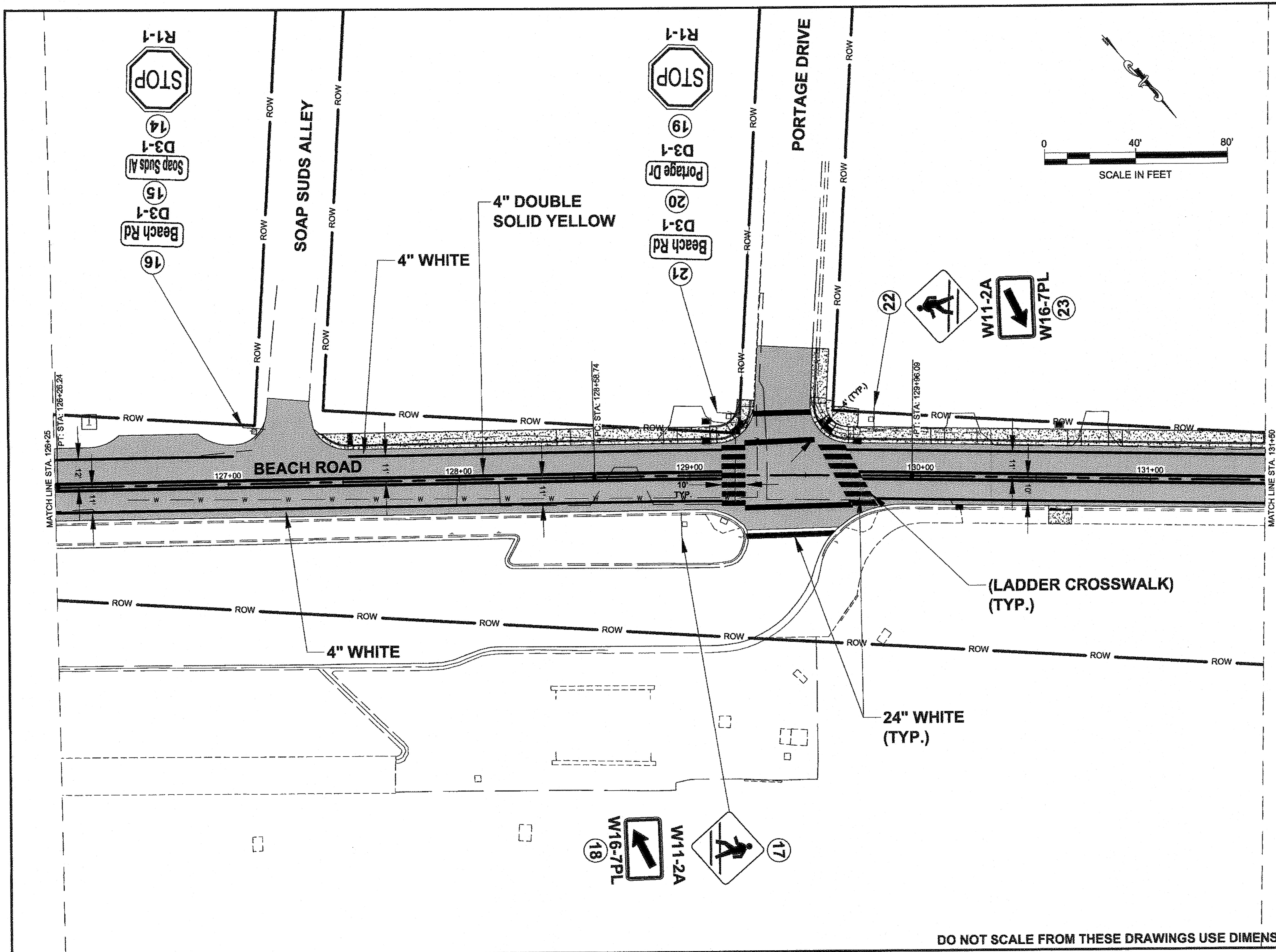
**SIGNING &
 STRIPING PLAN**

PROJECT DESIGNATION

69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R5	110

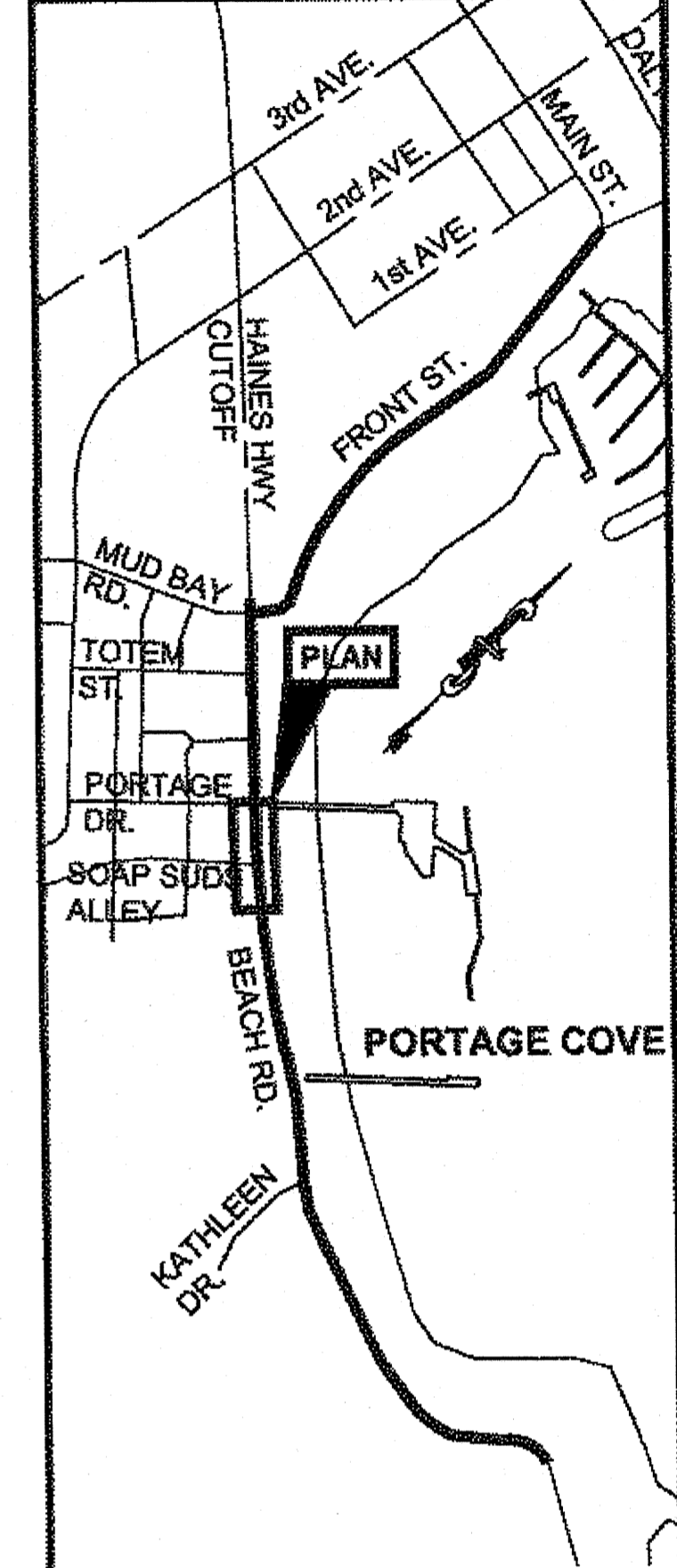
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14



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 INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: R6 Monday, May 14, 2012 8:58:06 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

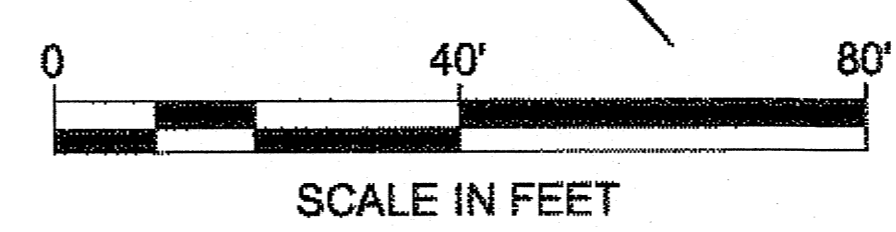
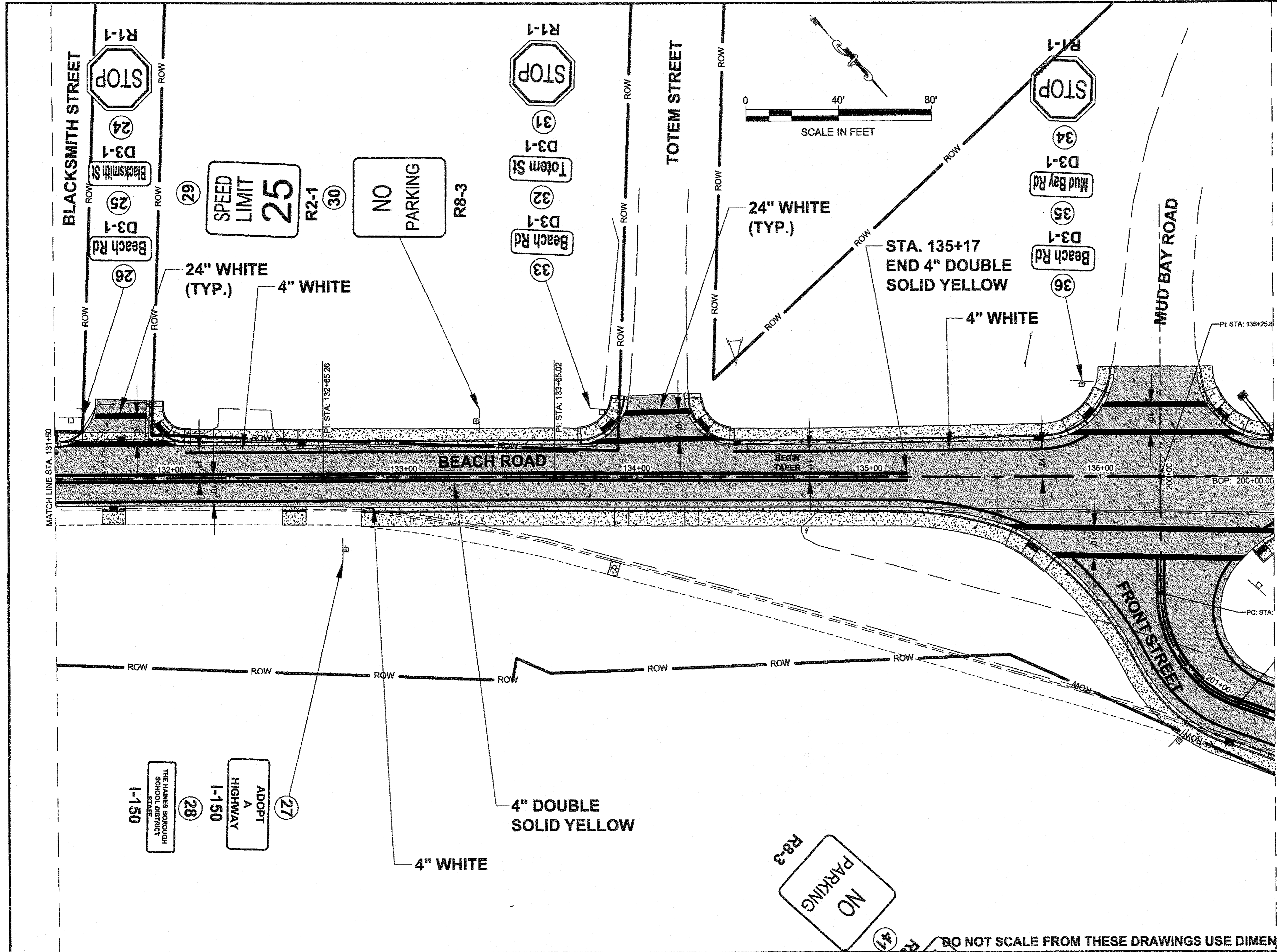
HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**SIGNING &
 STRIPING PLAN**

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R6	110

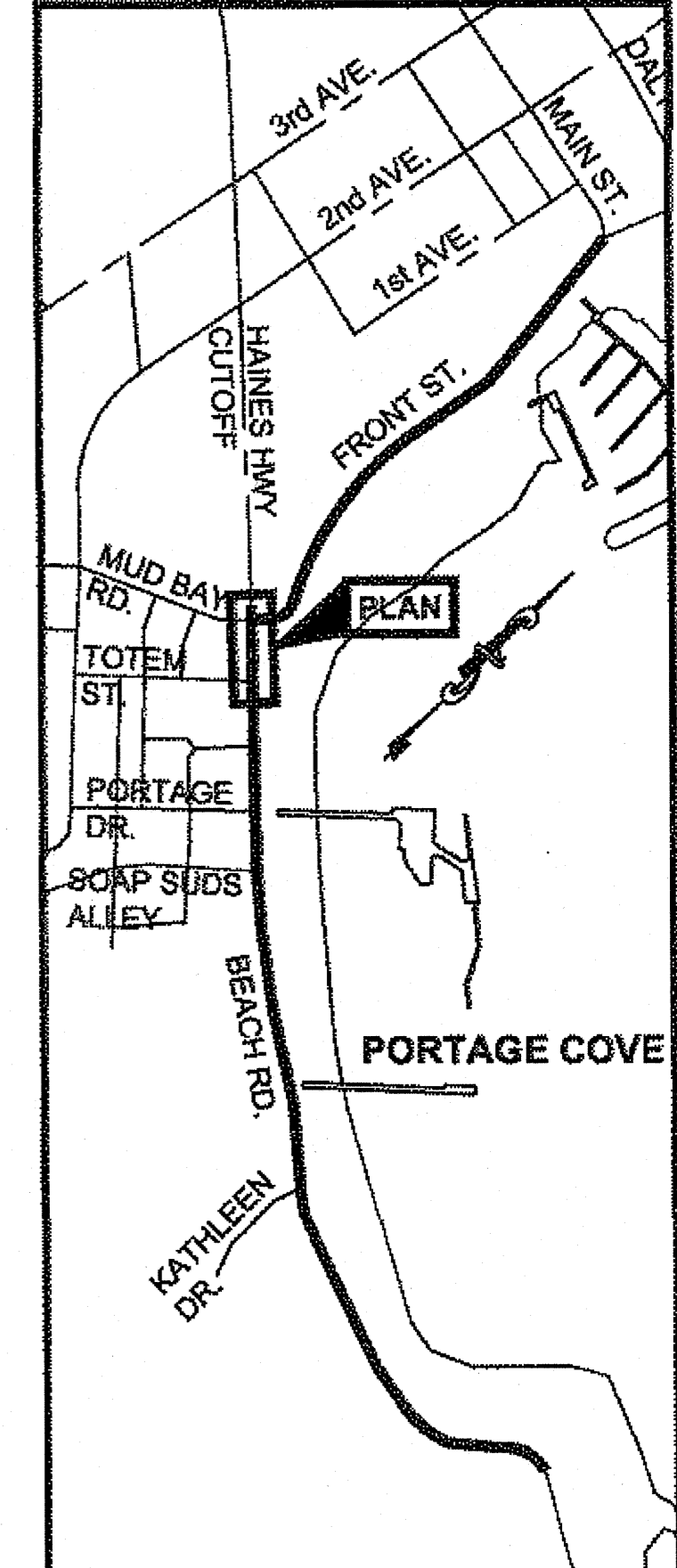
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

03 1-13-14



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 MULLINER, DOUGLAS J (DOT)
 TAB: R7 Monday, May 14, 2012 8:58:29 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

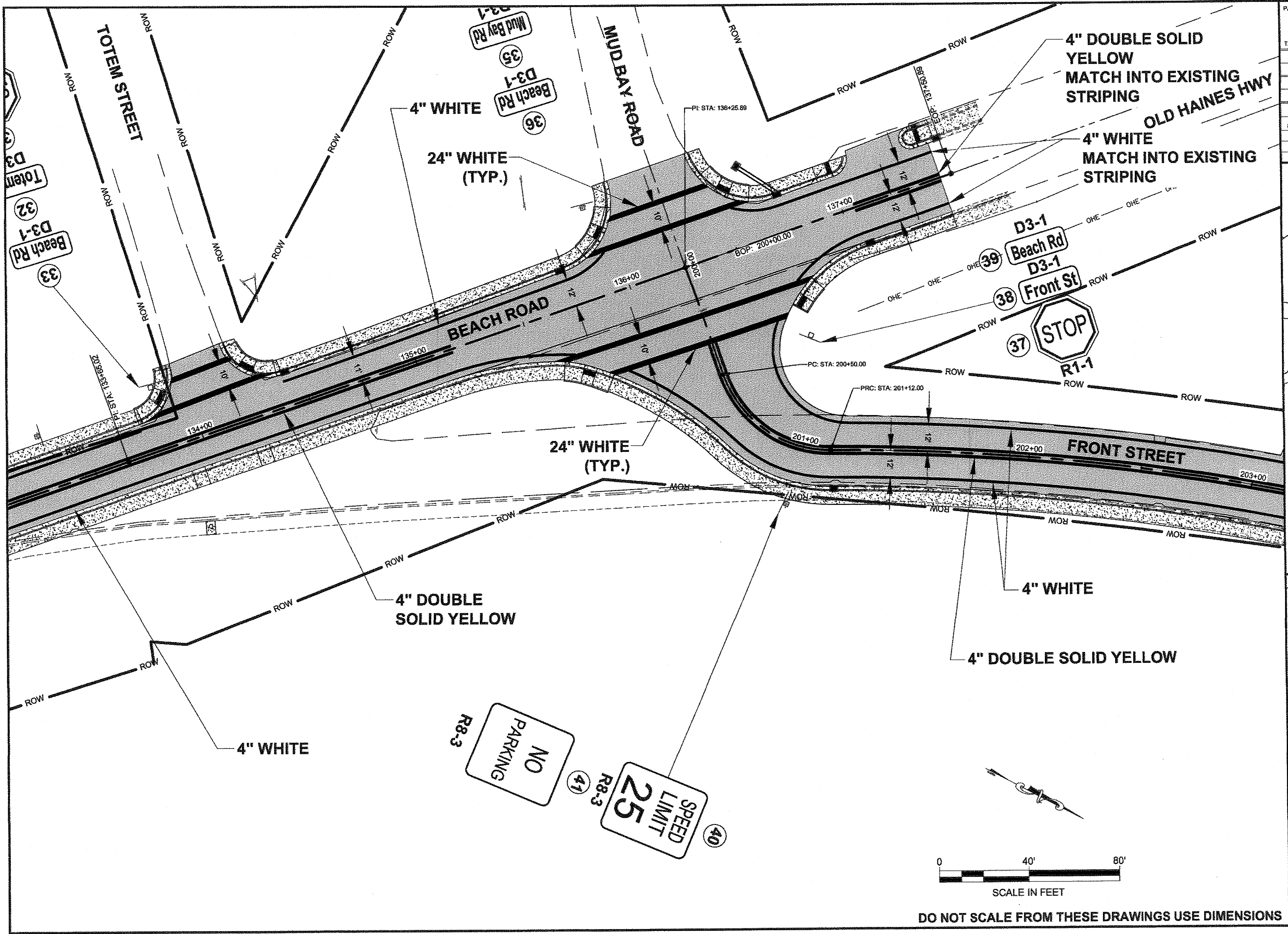
HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

SIGNING & STRIPING PLAN

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R7	110

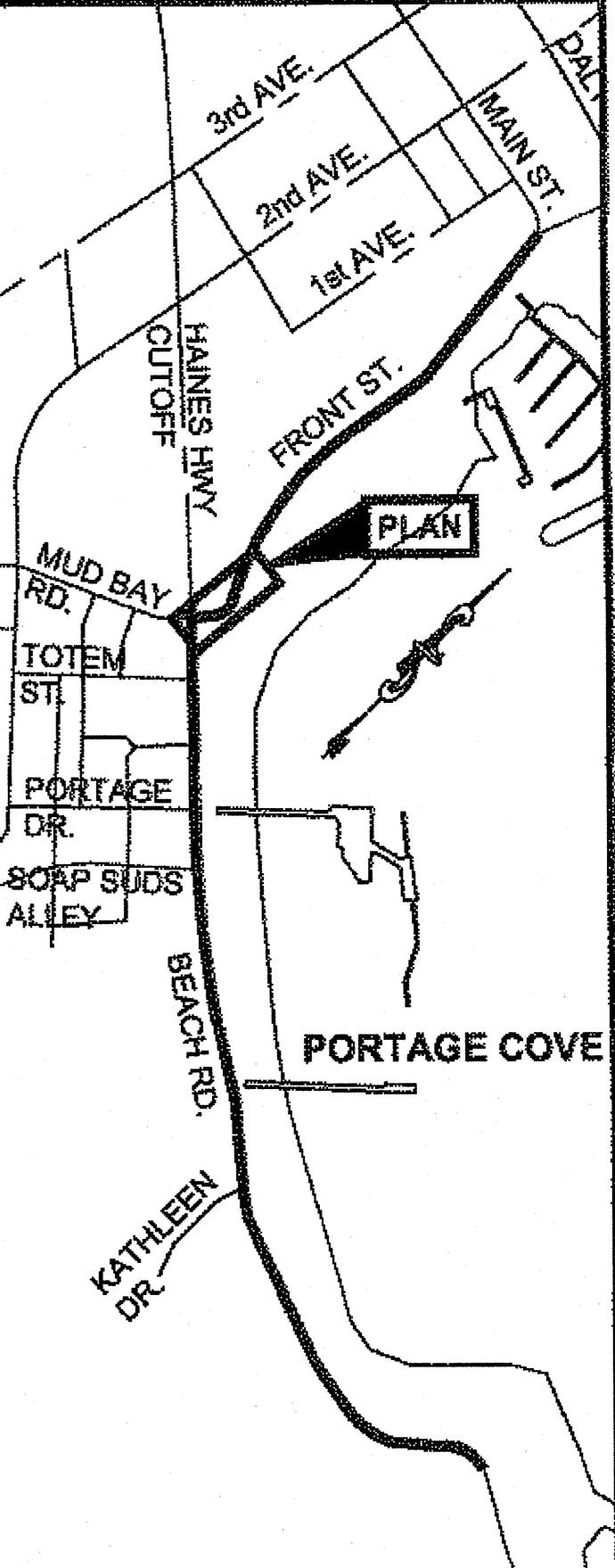
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14



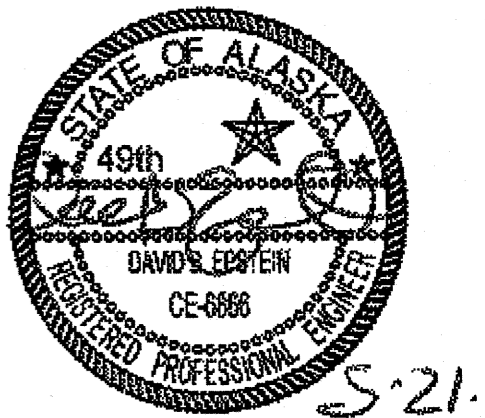
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 MULLINER, DOUGLAS J (DOT)
 TAB: R8 Monday, May 14, 2012 8:58:48 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN



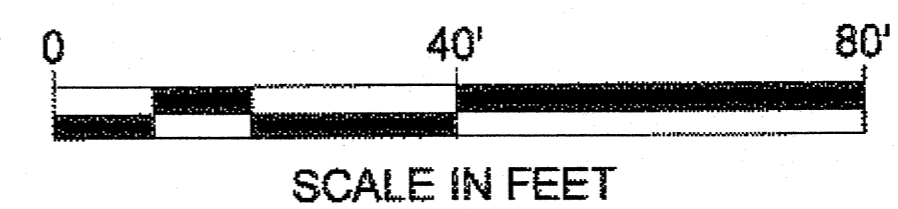
DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316**

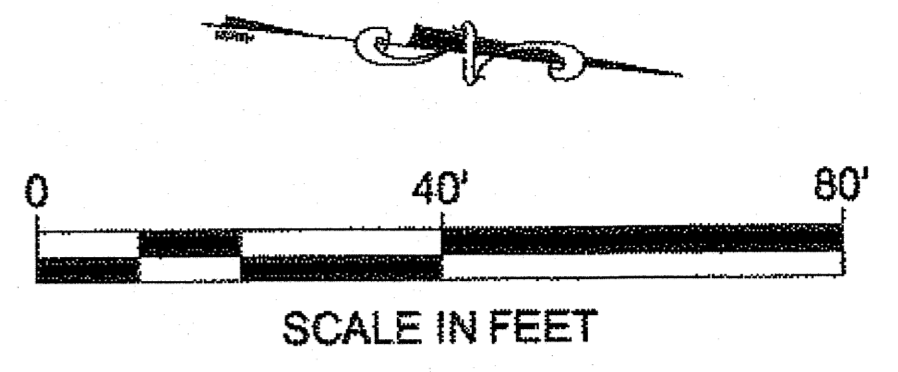
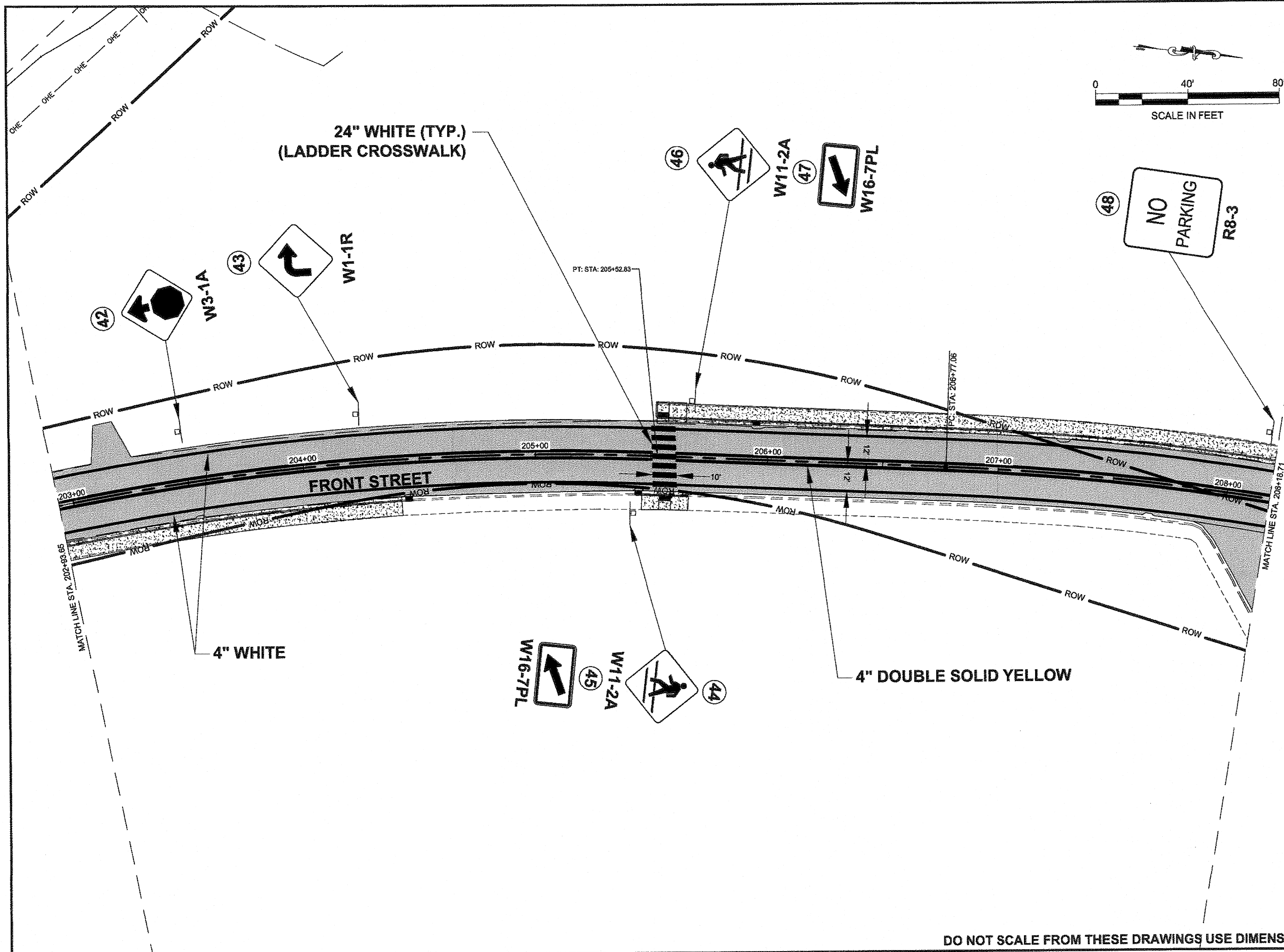
**SIGNING &
 STRIPING PLAN**

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R8	110



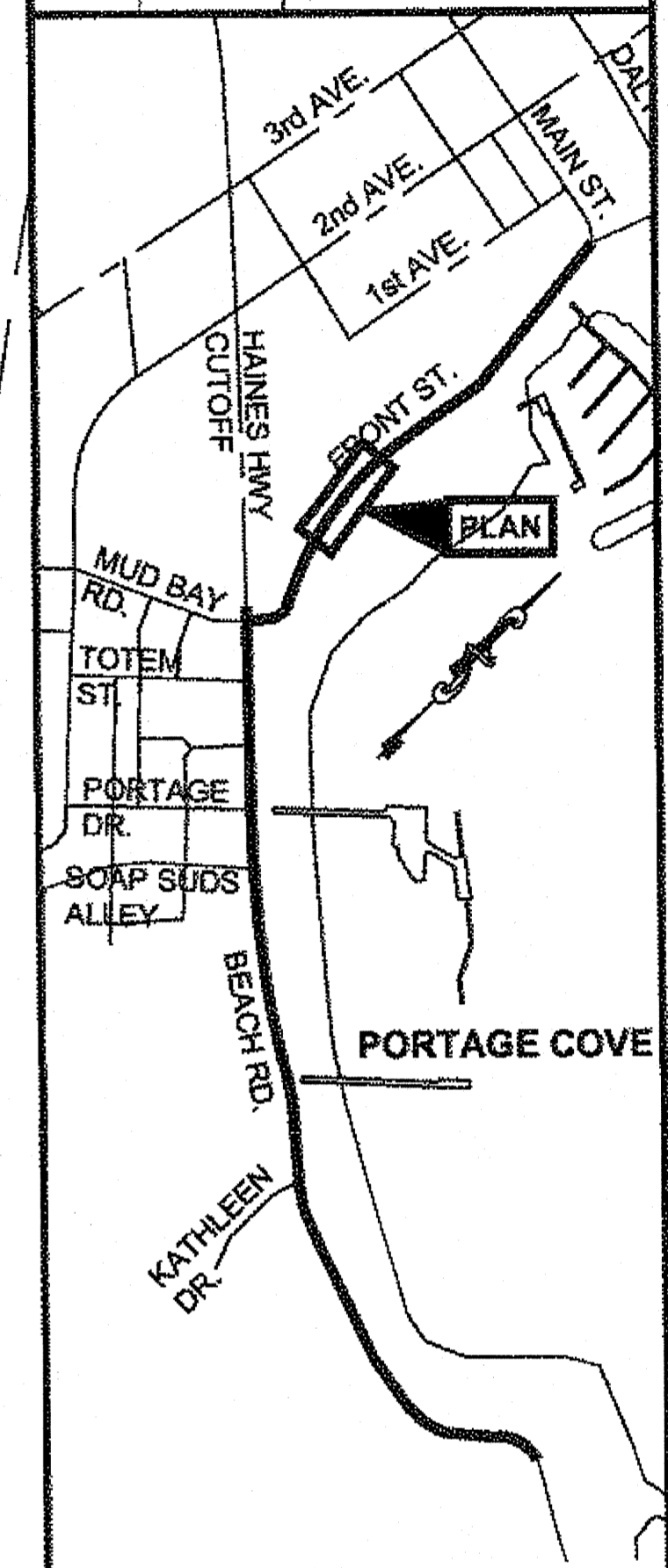
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

13-14

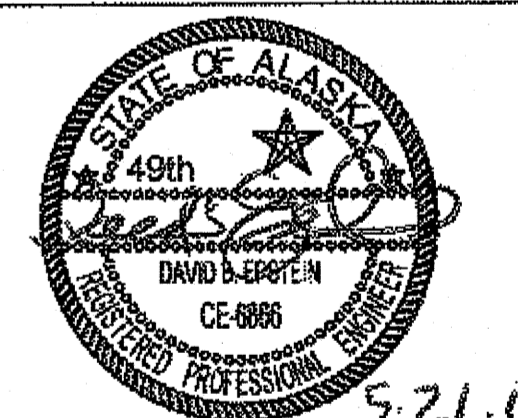


PATH: Q:\HNS\69316\ENDDOUG'S PLANS\69316_R_SHT_WITH INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: R9 Monday, May 14, 2012 8:59:06 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: D. EPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**SIGNING &
 STRIPING PLAN**

PROJECT DESIGNATION
69316

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R9	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

03 1-13-14

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INTERSECTION.DWG

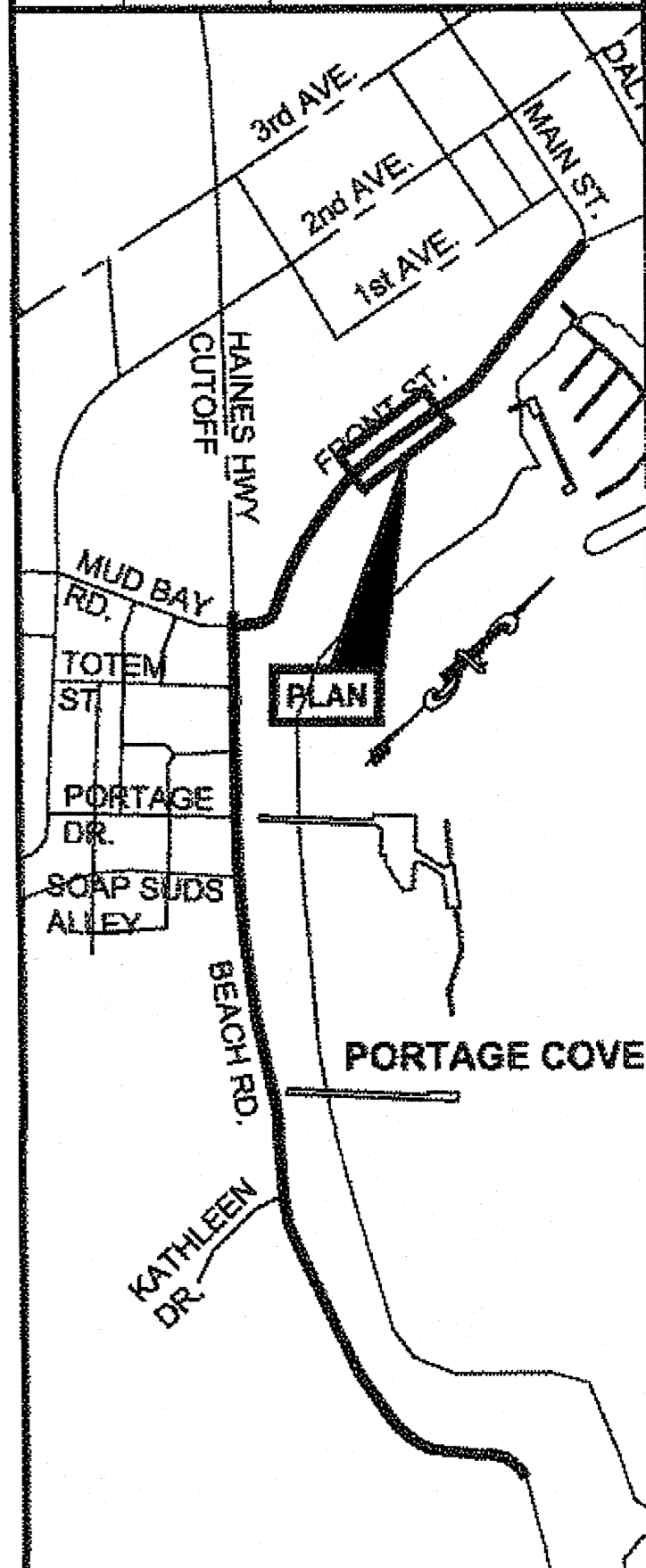
MULLINER, DOUGLAS J (DOT)
TAB: R10 Monday, May 14, 2012 8:59:24 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

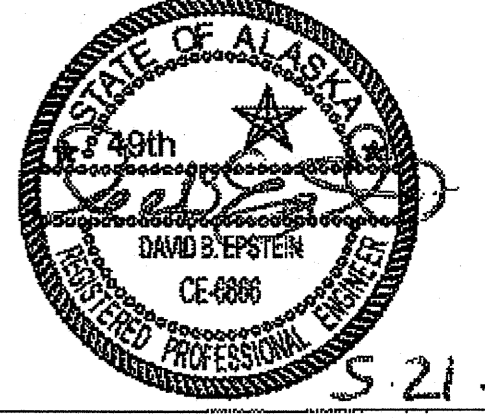
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN



DESIGNED BY: D. MULLINER
DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**HNS-BEACH ROAD WIDENING &
FRONT STREET INTERSECTION
IMPROVEMENTS
PROJECT #69316**

**SIGNING &
STRIPING PLAN**

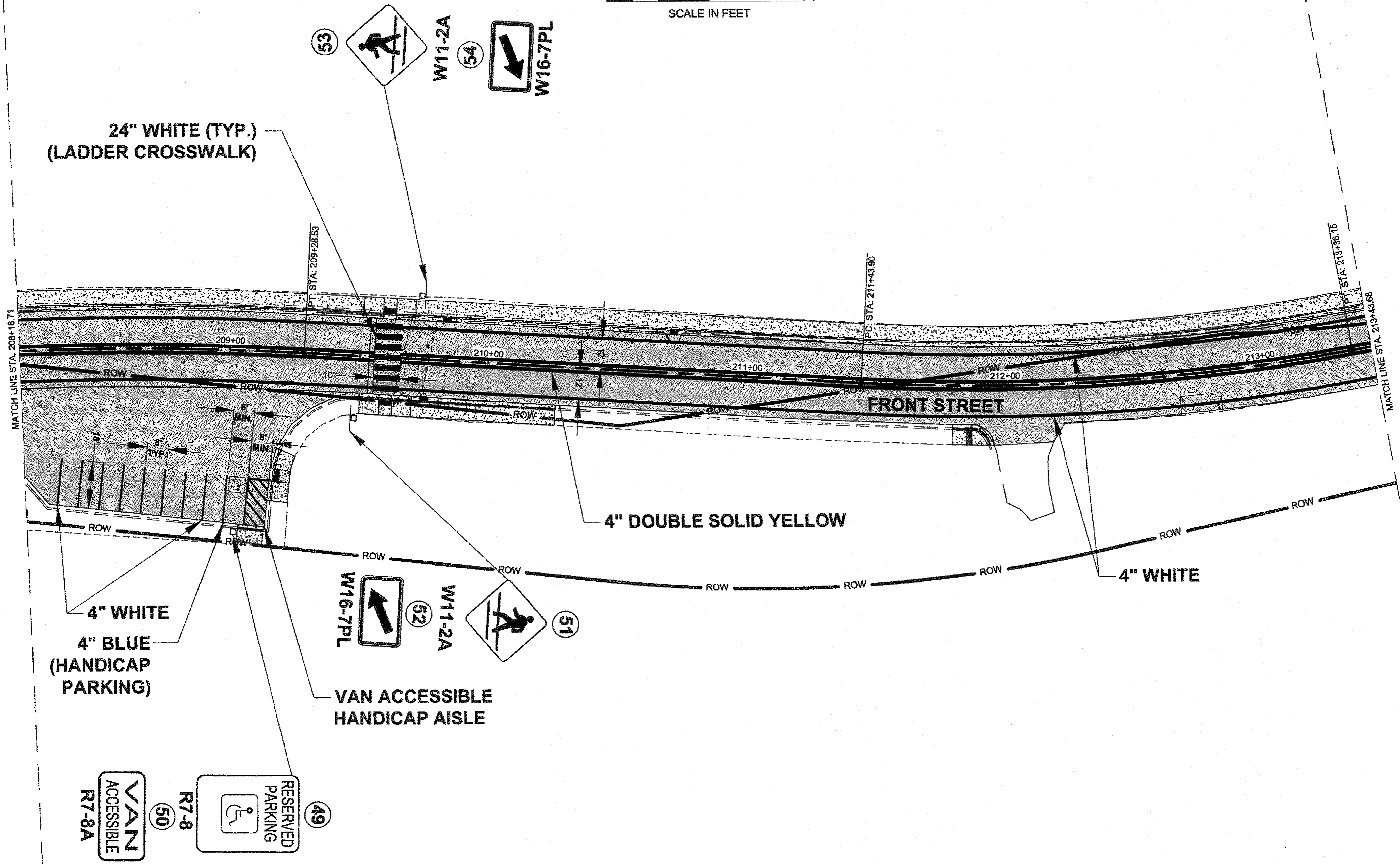
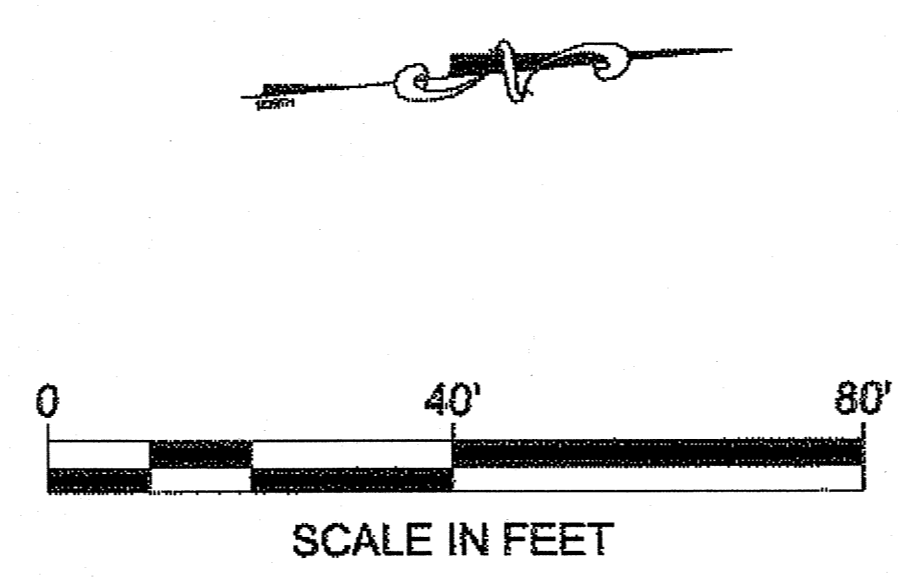
PROJECT DESIGNATION

69316

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R10	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

03 1-13-14



24" WHITE (TYP.)
(LADDER CROSSWALK)

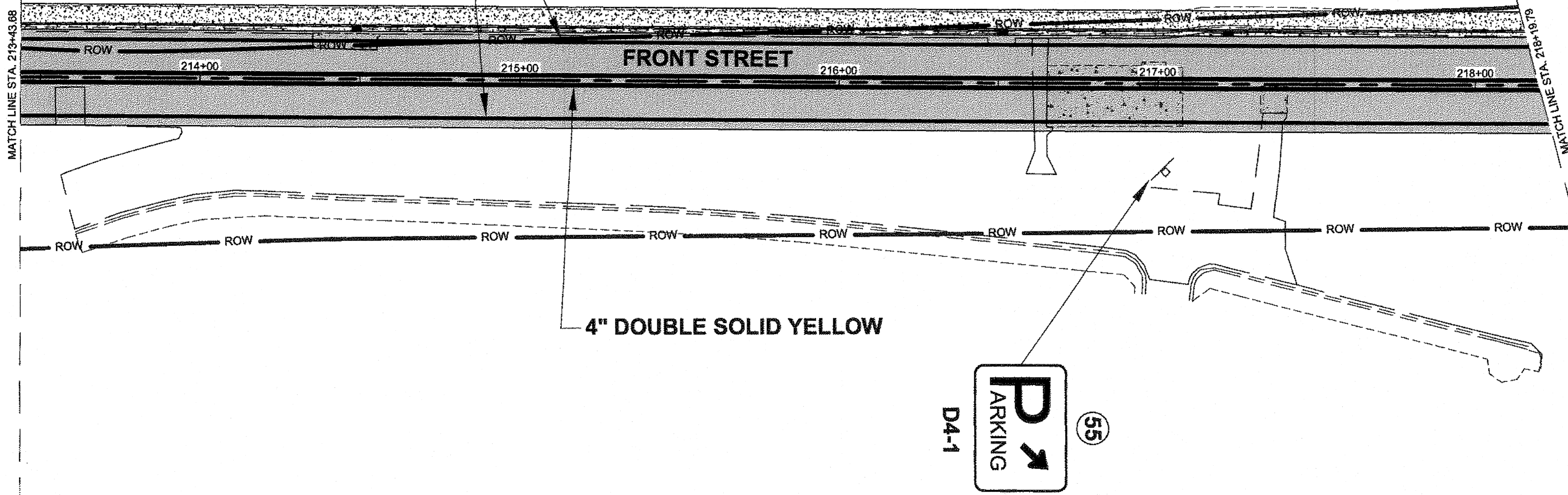
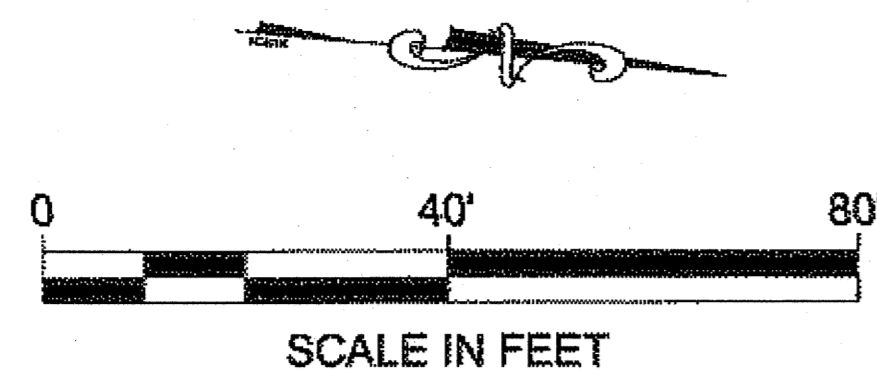
4" DOUBLE SOLID YELLOW

4" WHITE

4" WHITE
4" BLUE
(HANDICAP
PARKING)

VAN ACCESSIBLE
HANDICAP AISLE

RESERVED
PARKING
R7-8A
R7-8
VAN
ACCESSIBLE
R7-8A



PATH:Q:\HNS\69316\SIENDOUG'S
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 INTERSECTION.DWG

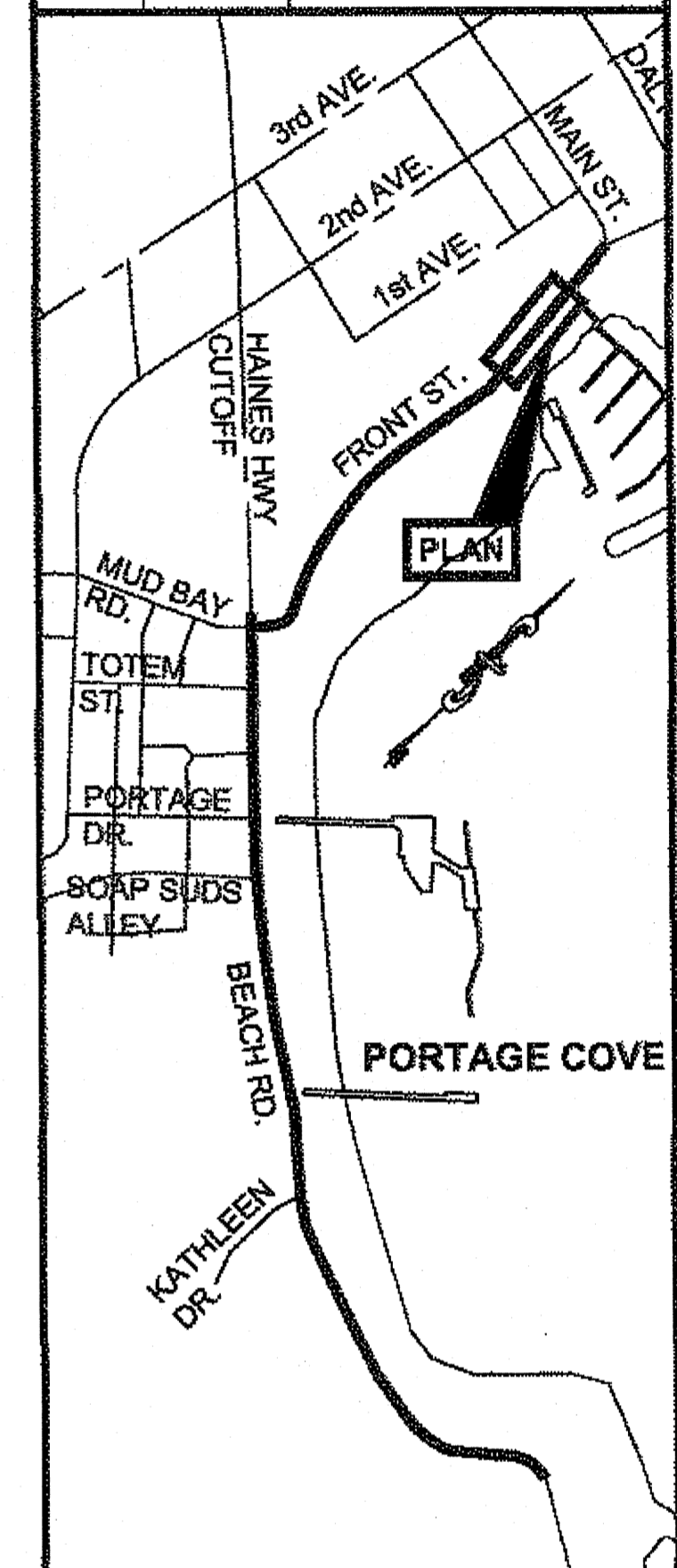
MULLINER, DOUGLAS J (DOT)
 TAB: R11 Monday, May 14, 2012 8:58:43 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**SIGNING &
 STRIPING PLAN**

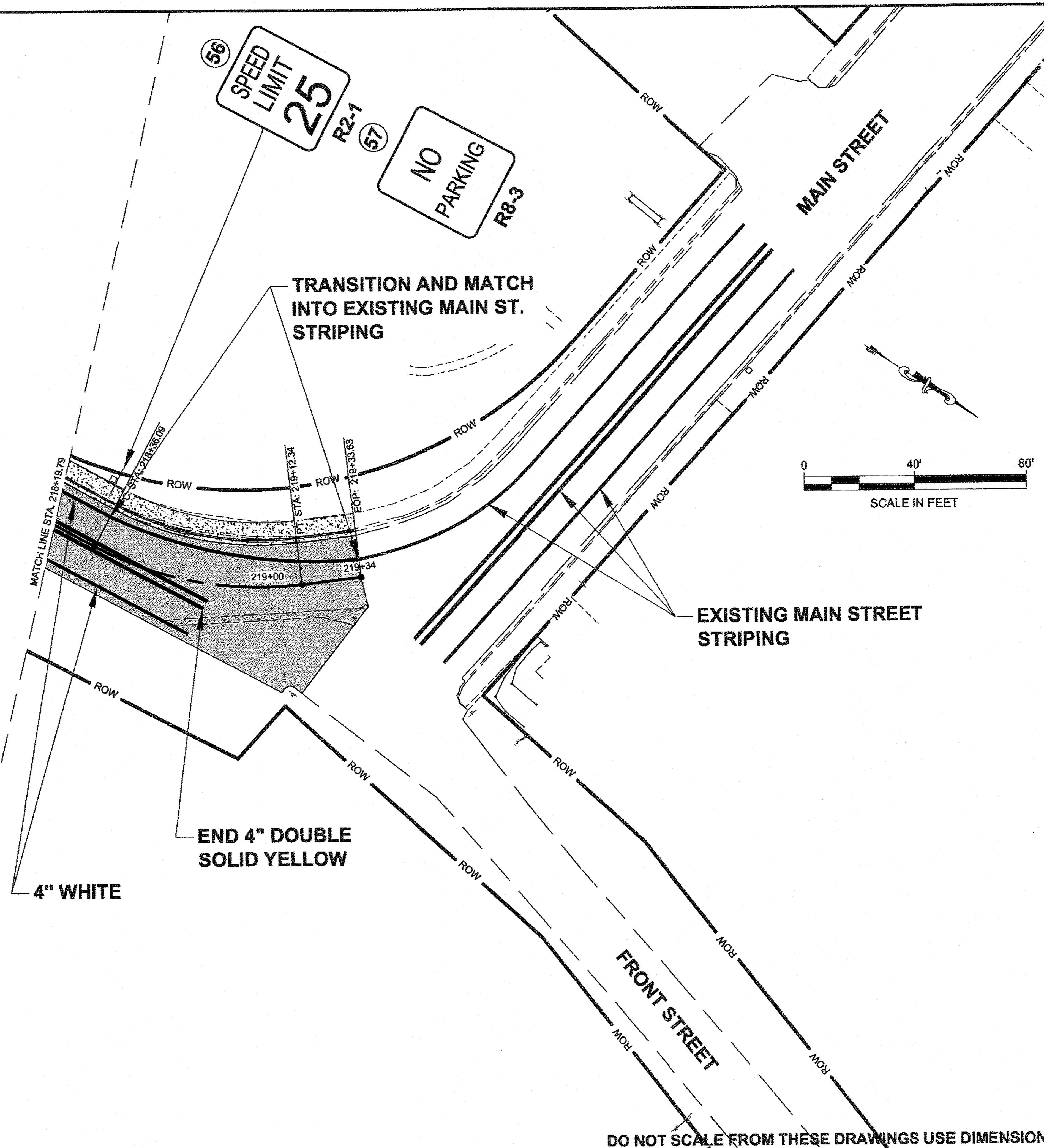
PROJECT DESIGNATION

69316

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R11	110

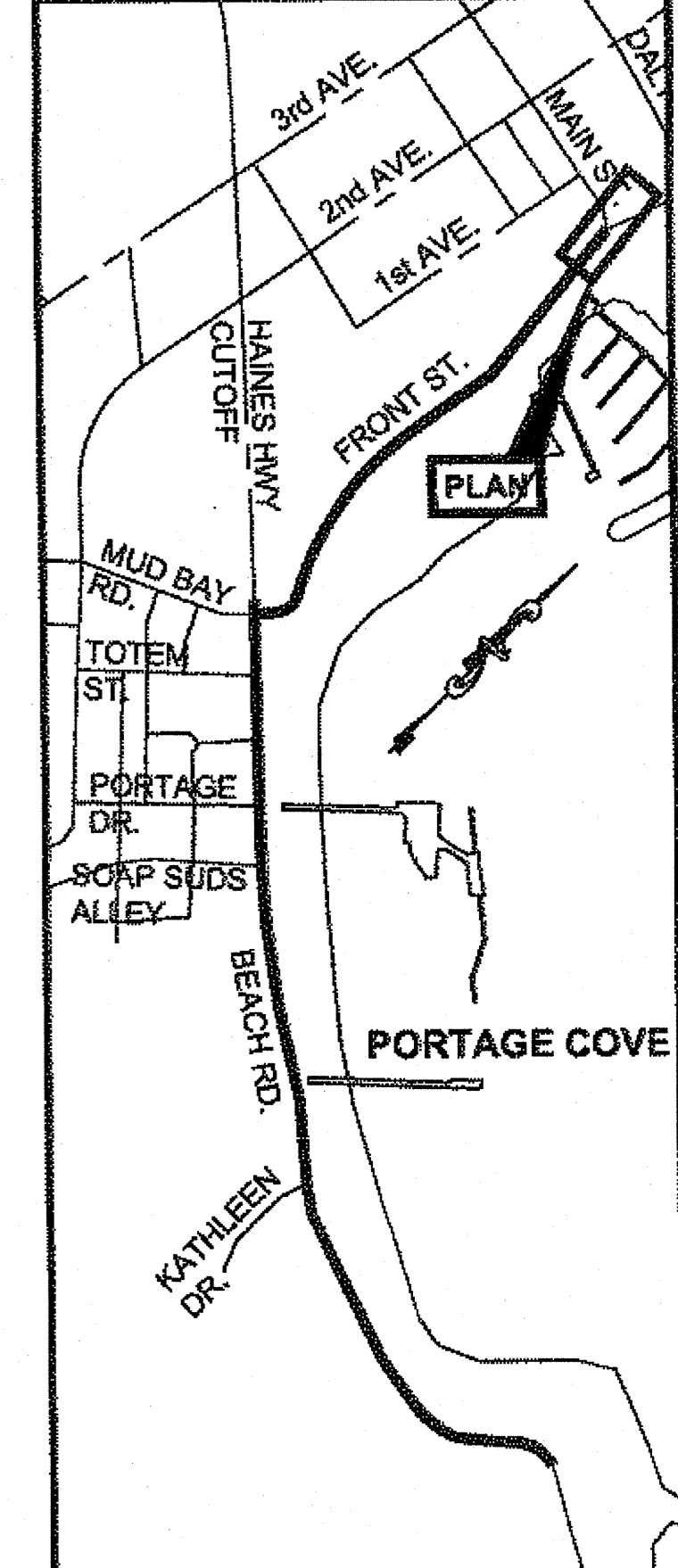
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14



PATH: Q:\HNS\69316\EMDOUG'S PLANSET\69316_R_SHT_WITH INTERSECTION.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: R12 Monday, May 14, 2012 9:00:05 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: D. EPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

**SIGNING &
 STRIPING PLAN**

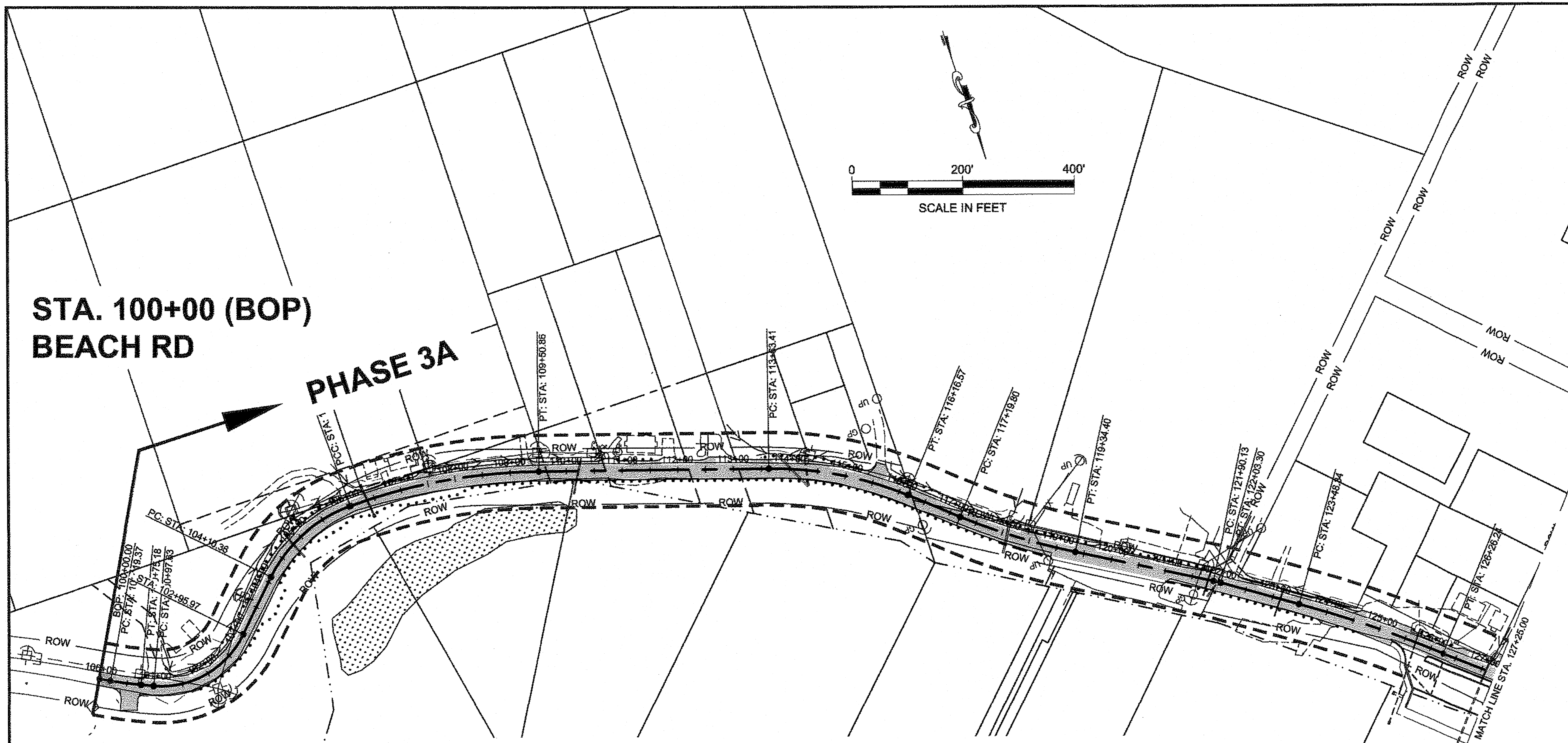
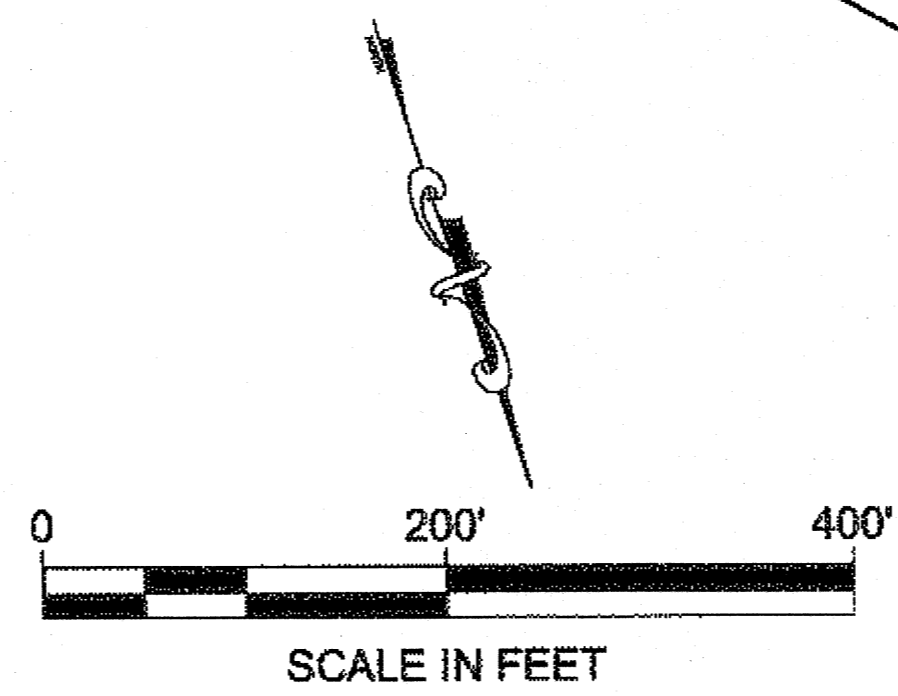
PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R12	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14

**STA. 100+00 (BOP)
BEACH RD**

PHASE 3A

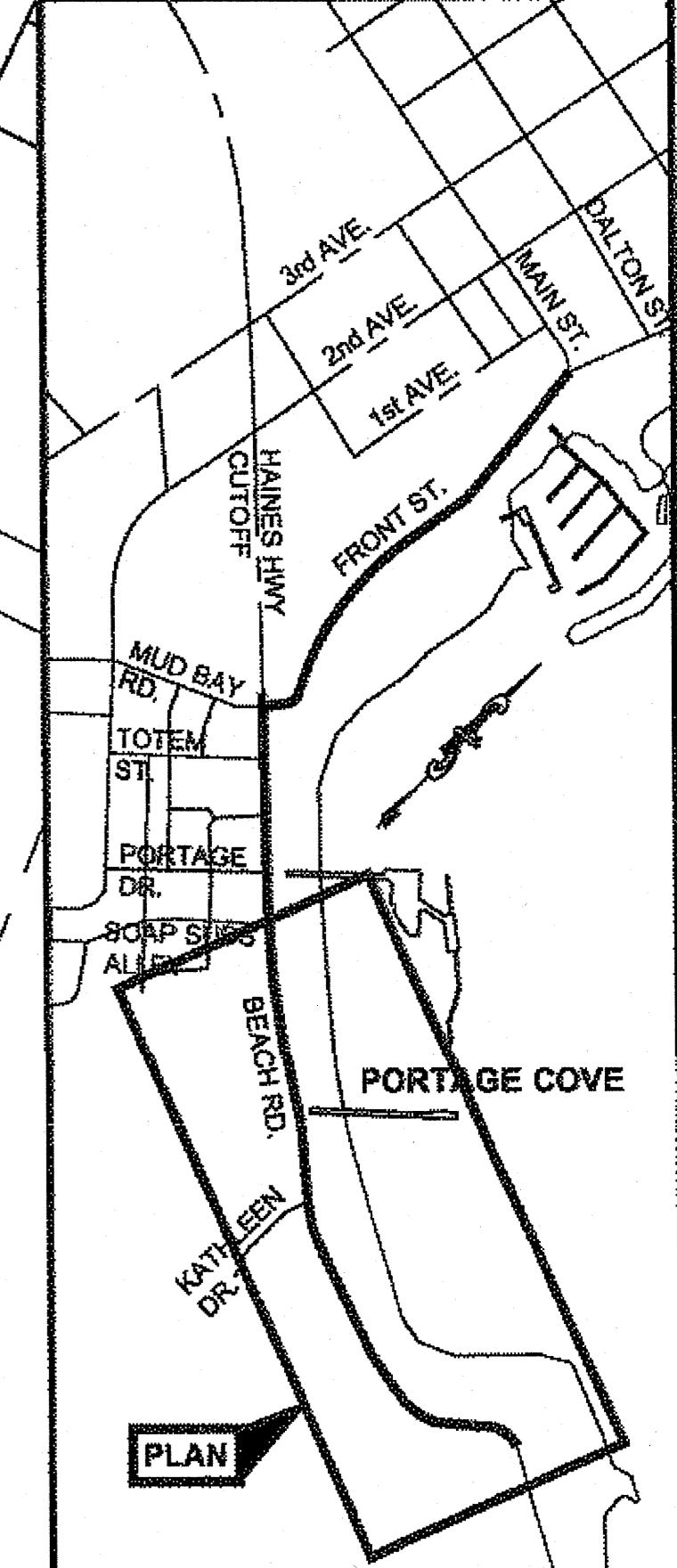


LEGEND	
	PHASE 1 - CULVERT REPLACEMENT AND INLET CONSTRUCTION.
	PHASE 2 - EXCAVATE AND RECONSTRUCT SHOULDERS ON BEACH ROAD IN PREPARATION FOR CABC AND SIDEWALK CONSTRUCTION. 1446 CY 304(1) - SHOULDERS 940 CY 304(1) - SIDEWALK AREAS
	PHASE 3A - CONSTRUCT CABC ON BEACH ROAD, INCLUDING MIXING AND SPREADING TO WIDTH SHOWN ON PLANS. 670 CY 308(2)
	PHASE 3B - COLD PLANE BEACH ROAD AND FRONT STREET (SOUTH) IN PREPARATION FOR PAVING AND TO GENERATE RAM REQUIRED FOR CABC CONSTRUCTION. 721 CY RAM GENERATED
	PHASE 4 - REMOVE EXISTING SIDEWALK ON FRONT STREET TO STA. 204+50, MASS GRADE FOR NEW FRONT STREET INTERSECTION REALIGNMENT.
	PHASE 5 - COLD PLANE FRONT STREET (NORTH) IN PREPARATION FOR PAVING AND TO GENERATE RAM FOR CURB, GUTTER AND SIDEWALK AND FRONT STREET REALIGNMENT AGGREGATE BASE COURSE, GRADING D1. 434 CY RAM GENERATED 467 CY 301(1)
	PHASE 6 - REMOVE/REPLACE EXISTING SIDEWALKS. CONSTRUCT NEW CURB, GUTTER AND SIDEWALKS.
	PHASE 7 - PREPARE FINAL BASE COURSE IN PREPARATION FOR FINAL PAVING.
	PHASE 8 - FINAL PAVING.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\HNS\69316\REND\DOUG'S_PLANS\SET\CONSTRUCTION PHASING PLAN SET.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: S1 Monday, May 14, 2012 9:01:59 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

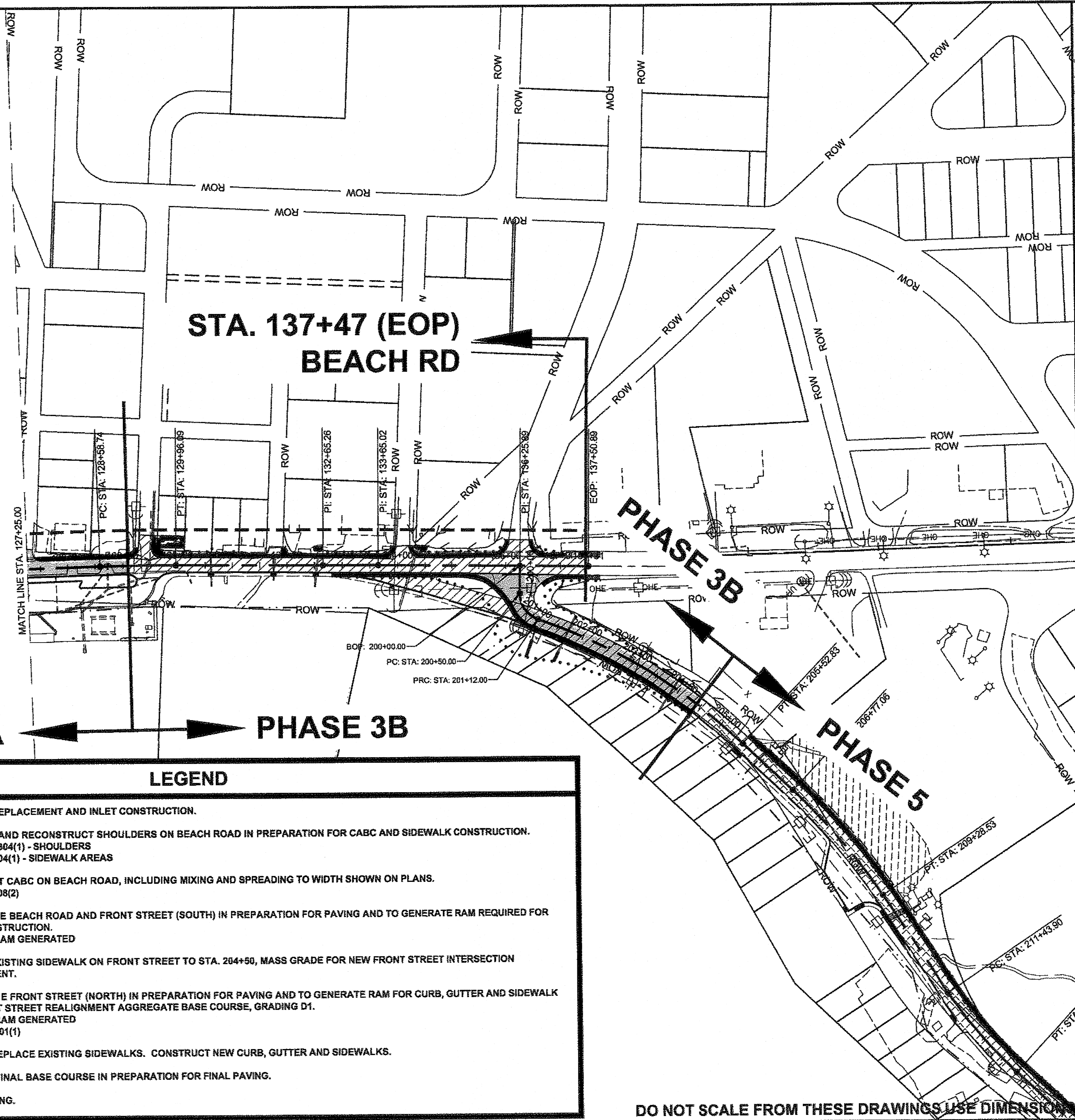
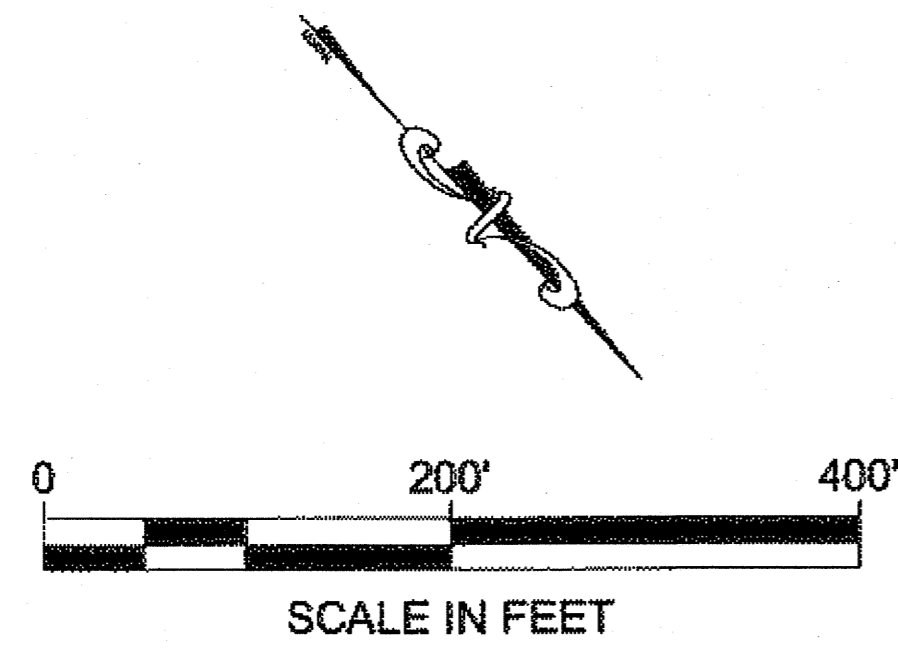
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316

CONSTRUCTION PHASING

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S1	110

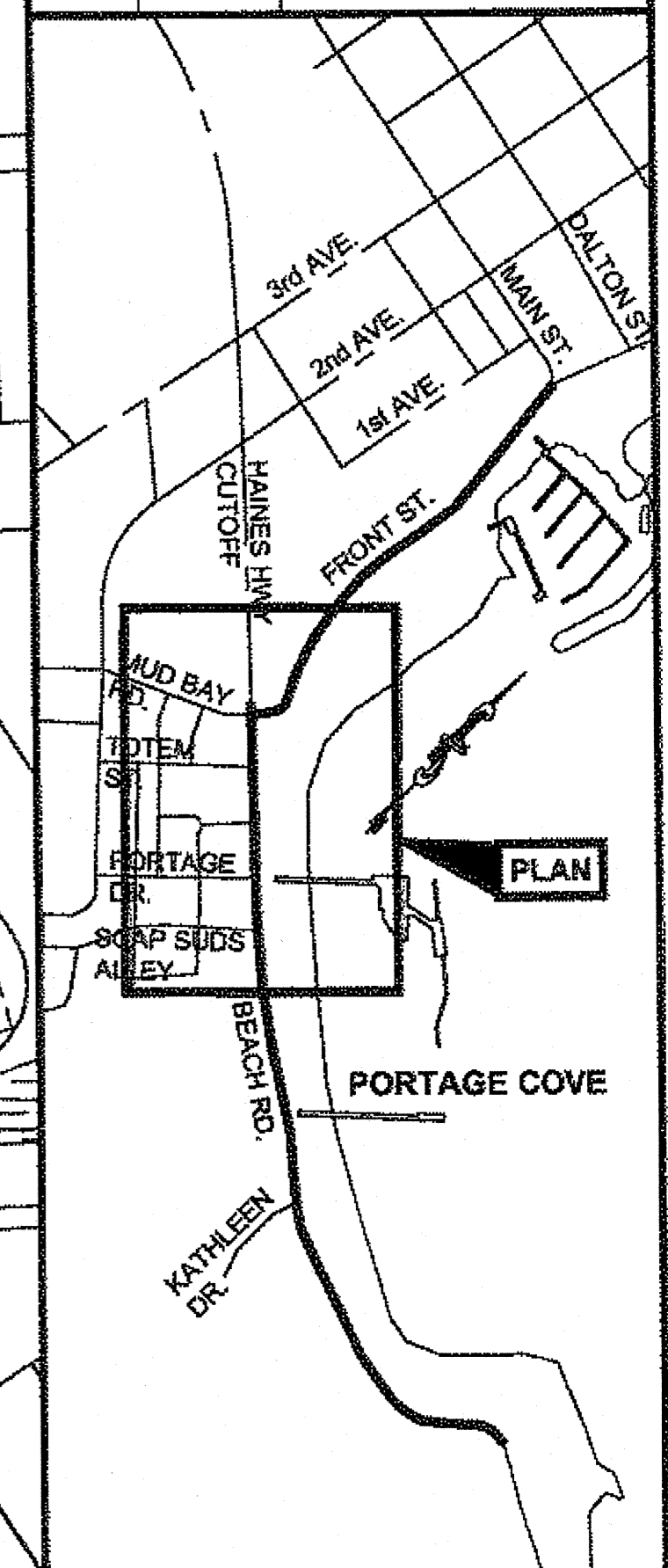
B 1-13-14



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 MULLINER, DOUGLAS J (DOT)
 TAB: S2 Monday, May 14, 2012 9:01:26 AM

ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PHASE 3A ← → PHASE 3B

LEGEND	
	PHASE 1 - CULVERT REPLACEMENT AND INLET CONSTRUCTION.
	PHASE 2 - EXCAVATE AND RECONSTRUCT SHOULDERS ON BEACH ROAD IN PREPARATION FOR CABC AND SIDEWALK CONSTRUCTION. 1446 CY 304(1) - SHOULDERS 940 CY 304(1) - SIDEWALK AREAS
	PHASE 3A - CONSTRUCT CABC ON BEACH ROAD, INCLUDING MIXING AND SPREADING TO WIDTH SHOWN ON PLANS. 670 CY 308(2)
	PHASE 3B - COLD PLANE BEACH ROAD AND FRONT STREET (SOUTH) IN PREPARATION FOR PAVING AND TO GENERATE RAM REQUIRED FOR CABC CONSTRUCTION. 721 CY RAM GENERATED
	PHASE 4 - REMOVE EXISTING SIDEWALK ON FRONT STREET TO STA. 204+50, MASS GRADE FOR NEW FRONT STREET INTERSECTION REALIGNMENT.
	PHASE 5 - COLD PLANE FRONT STREET (NORTH) IN PREPARATION FOR PAVING AND TO GENERATE RAM FOR CURB, GUTTER AND SIDEWALK AND FRONT STREET REALIGNMENT AGGREGATE BASE COURSE, GRADING D1. 434 CY RAM GENERATED 467 CY 301(1)
	PHASE 6 - REMOVE/REPLACE EXISTING SIDEWALKS. CONSTRUCT NEW CURB, GUTTER AND SIDEWALKS.
	PHASE 7 - PREPARE FINAL BASE COURSE IN PREPARATION FOR FINAL PAVING.
	PHASE 8 - FINAL PAVING.

CHECKED BY: K. KARPSTEIN

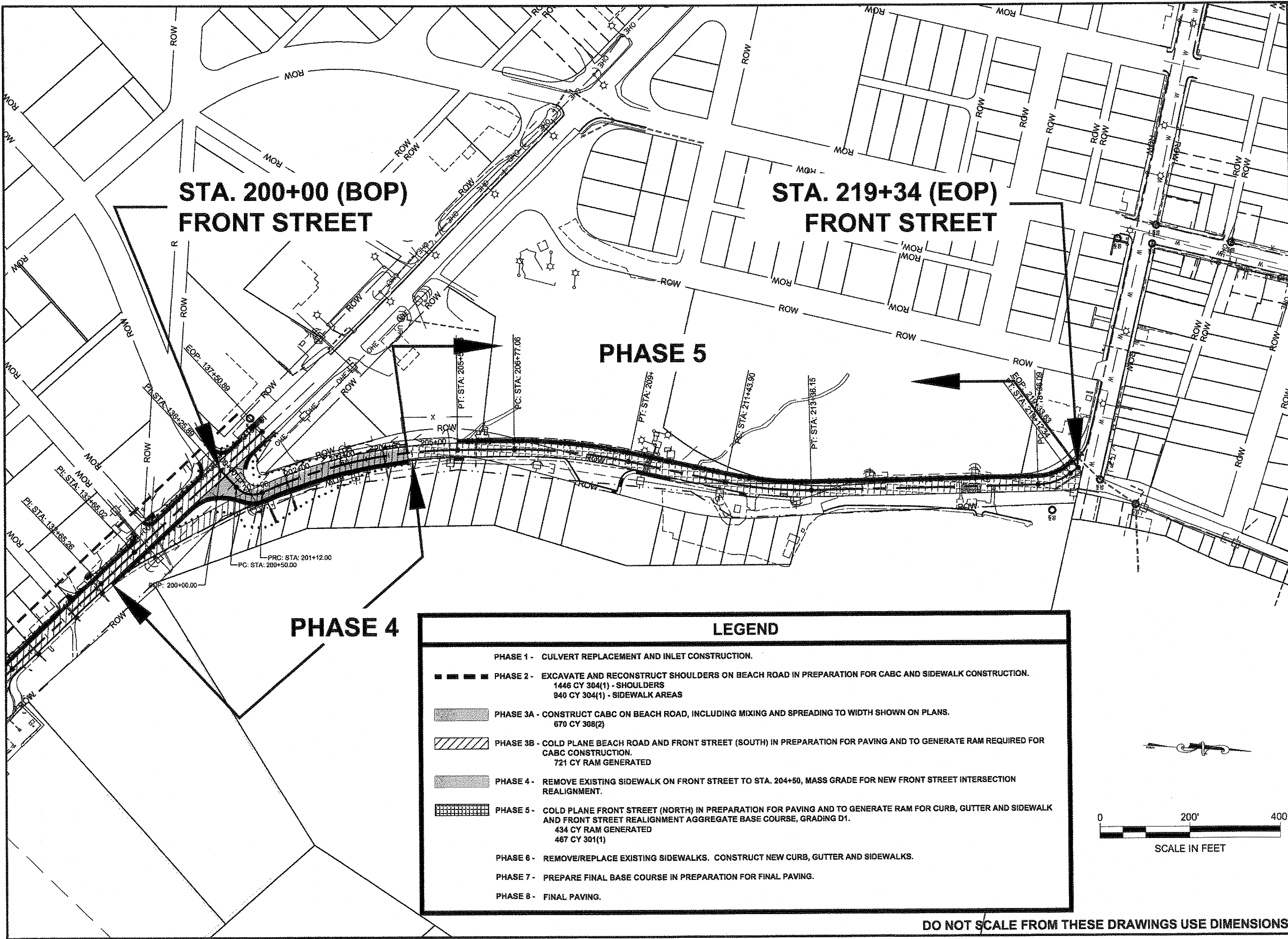
DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

CONSTRUCTION PHASING

PROJECT DESIGNATION	
69316	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S2	110

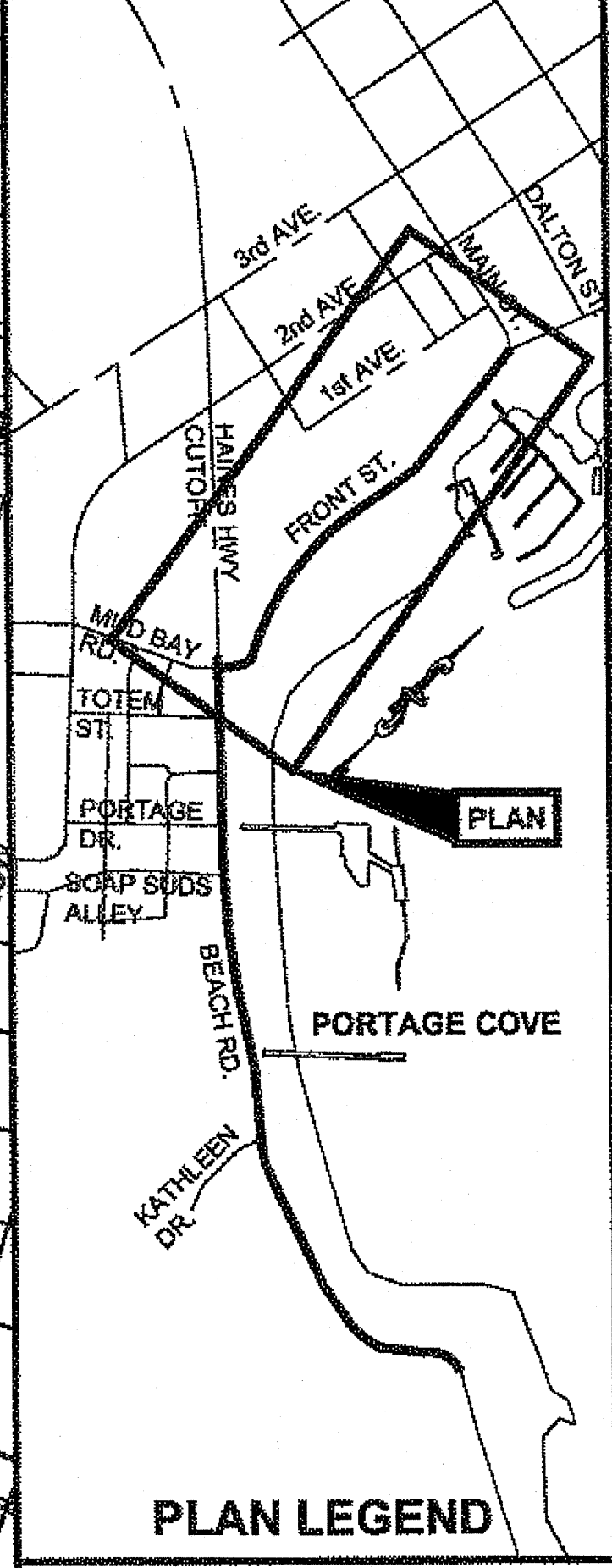
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

B 1-13-14



PATH: Q:\HNS\69316\REND\DOUG'S
 PLANSET\69316 DOUG'S CONSTRUCTION
 PHASING PLAN SET.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: S3 Monday, May 14, 2012 9:01:48 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



LEGEND	
—	PHASE 1 - CULVERT REPLACEMENT AND INLET CONSTRUCTION.
■ ■ ■ ■ ■	PHASE 2 - EXCAVATE AND RECONSTRUCT SHOULDERS ON BEACH ROAD IN PREPARATION FOR CABC AND SIDEWALK CONSTRUCTION. 1446 CY 304(1) - SHOULDERS 940 CY 304(1) - SIDEWALK AREAS
▨	PHASE 3A - CONSTRUCT CABC ON BEACH ROAD, INCLUDING MIXING AND SPREADING TO WIDTH SHOWN ON PLANS. 670 CY 308(2)
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—	PHASE 6 - REMOVE/REPLACE EXISTING SIDEWALKS. CONSTRUCT NEW CURB, GUTTER AND SIDEWALKS.
—	PHASE 7 - PREPARE FINAL BASE COURSE IN PREPARATION FOR FINAL PAVING.
—	PHASE 8 - FINAL PAVING.

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-BEACH ROAD WIDENING &
 FRONT STREET INTERSECTION
 IMPROVEMENTS
 PROJECT #69316

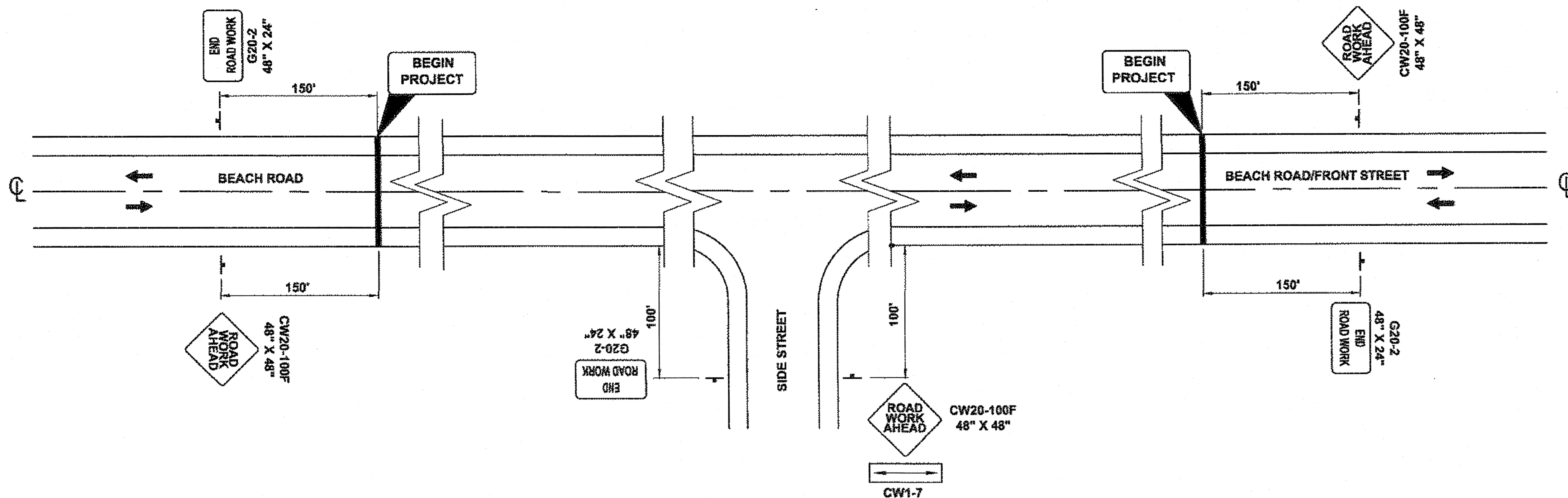
CONSTRUCTION PHASING

PROJECT DESIGNATION
69316

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S3	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

B 1-13-14



PERMANENT CONSTRUCTION SIGNING

N.T.S.

FORMULAS FOR L (TAPER LENGTH)

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

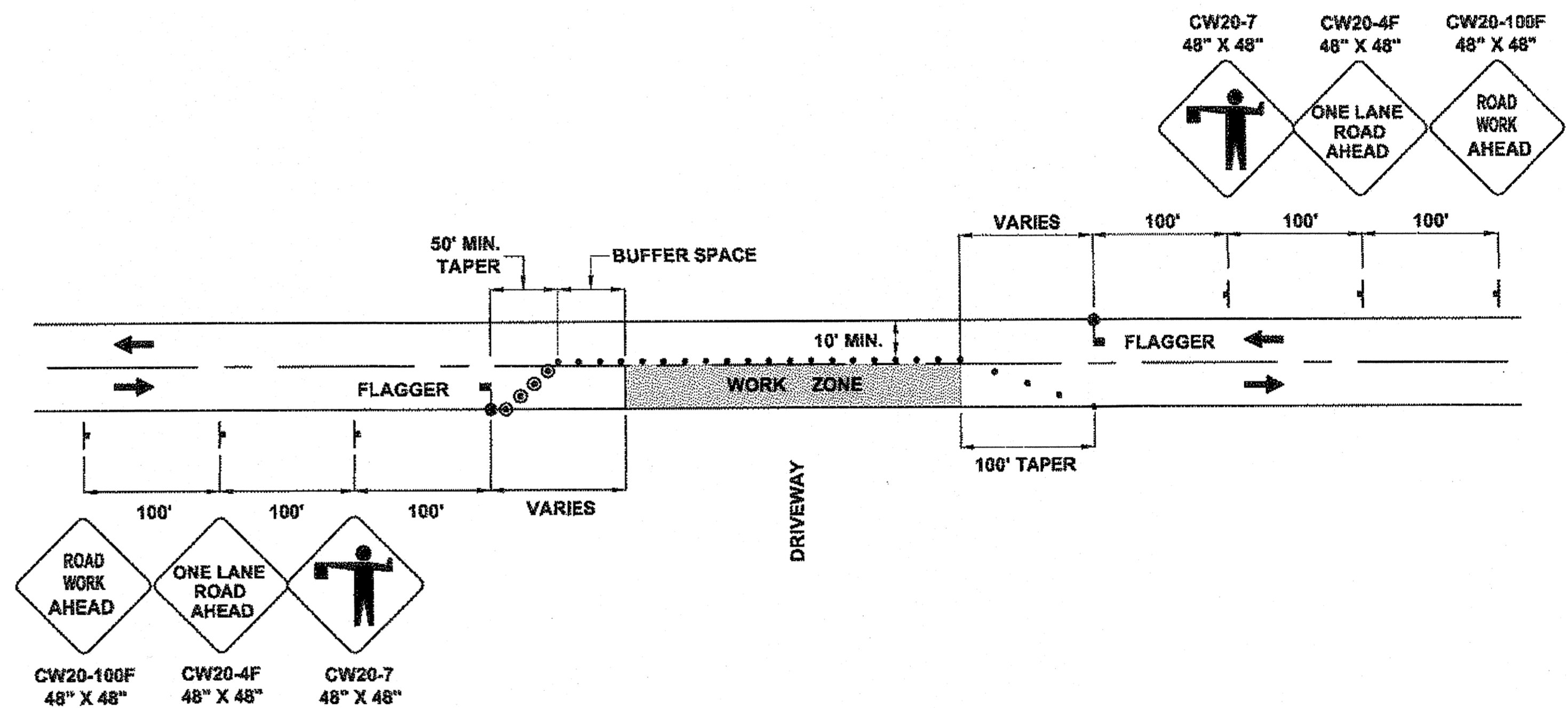
45 MPH OF GREATER $L = W \times S$

WHERE W=WIDTH OF OFFSET
S= POSTED SPEED LIMIT

TCP TABLE SETUP			
SPEED (MPH)	BUFFER/LENGTH (FT.)	CONE/DRUM SPACING (FT.)	TAPER LENGTH
20	35	25 / 50	105
25	55	25 / 50	105
30	85	30 / 60	150
35	120	35 / 70	205

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 CONFIGURATION 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 IN 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 10 MINUTES.
- THE UNEVEN LANES (CW8-11) SIGN SHOULD BE USED DURING OPERATIONS THAT CREATE A DIFFERENCE IN ELEVATIONS BETWEEN ADJACENT LANES OF 2 INCHES OR GREATER.
- FLAGGER STATIONS NEED TO BE ILLUMINATED AT NIGHT.
- THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS/HER 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.
- FOR LOCATION OF DOUBLE TRAFFIC FINE SIGNS SEE ALASKA STANDARD DRAWING C-04.12.
- FOR LOCATION OF PEDESTRIAN TRAFFIC CONTROL SIGNS SEE ALASKA STANDARD DRAWING C-03.10



TWO LANE ROADWAY-SINGLE LANE CLOSURE

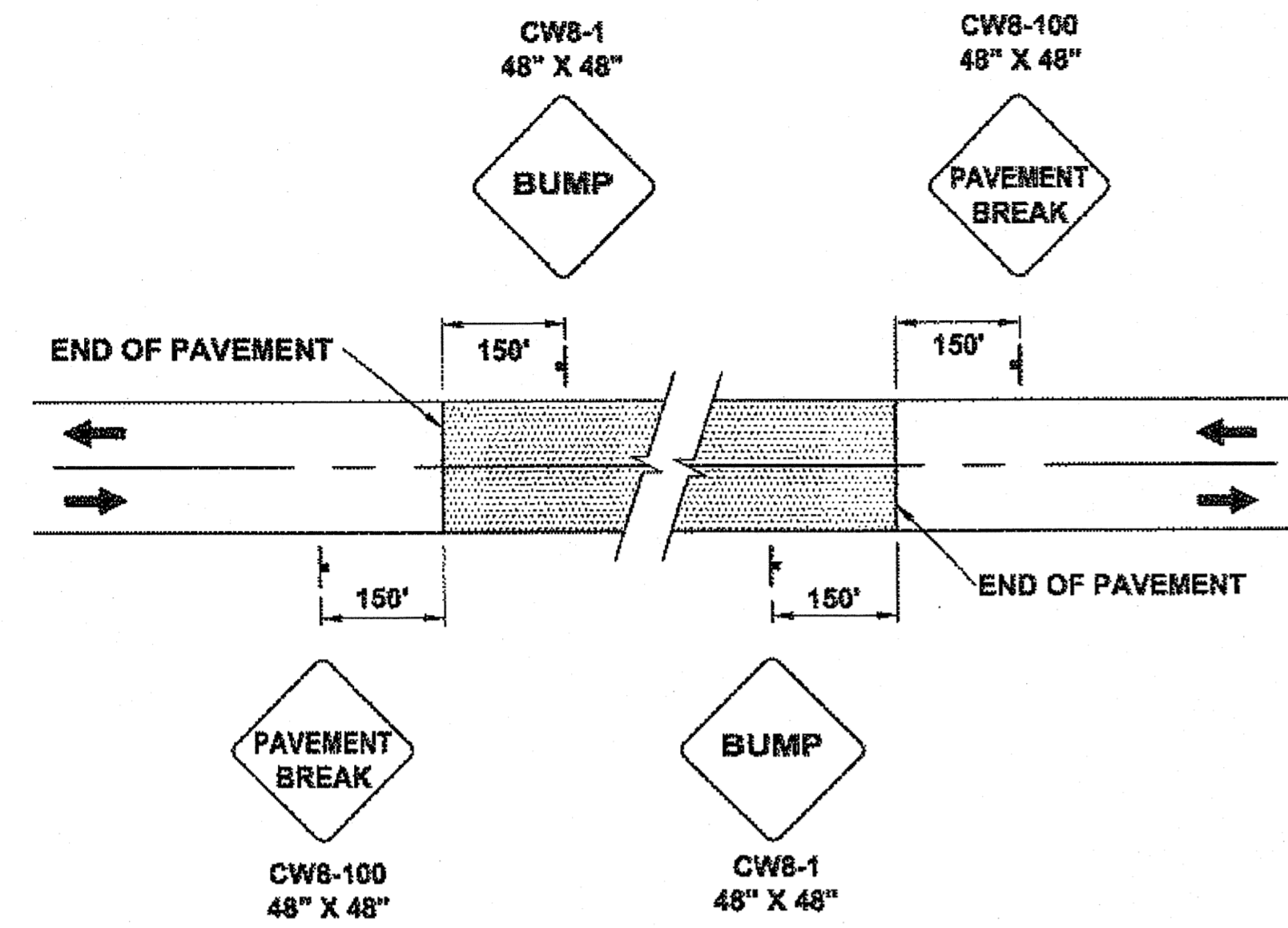
N.T.S.

LEGEND	
	SIGN
	CONE
	DRUM
	TYPE III BARRICADE
	FLAGGING STATION

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

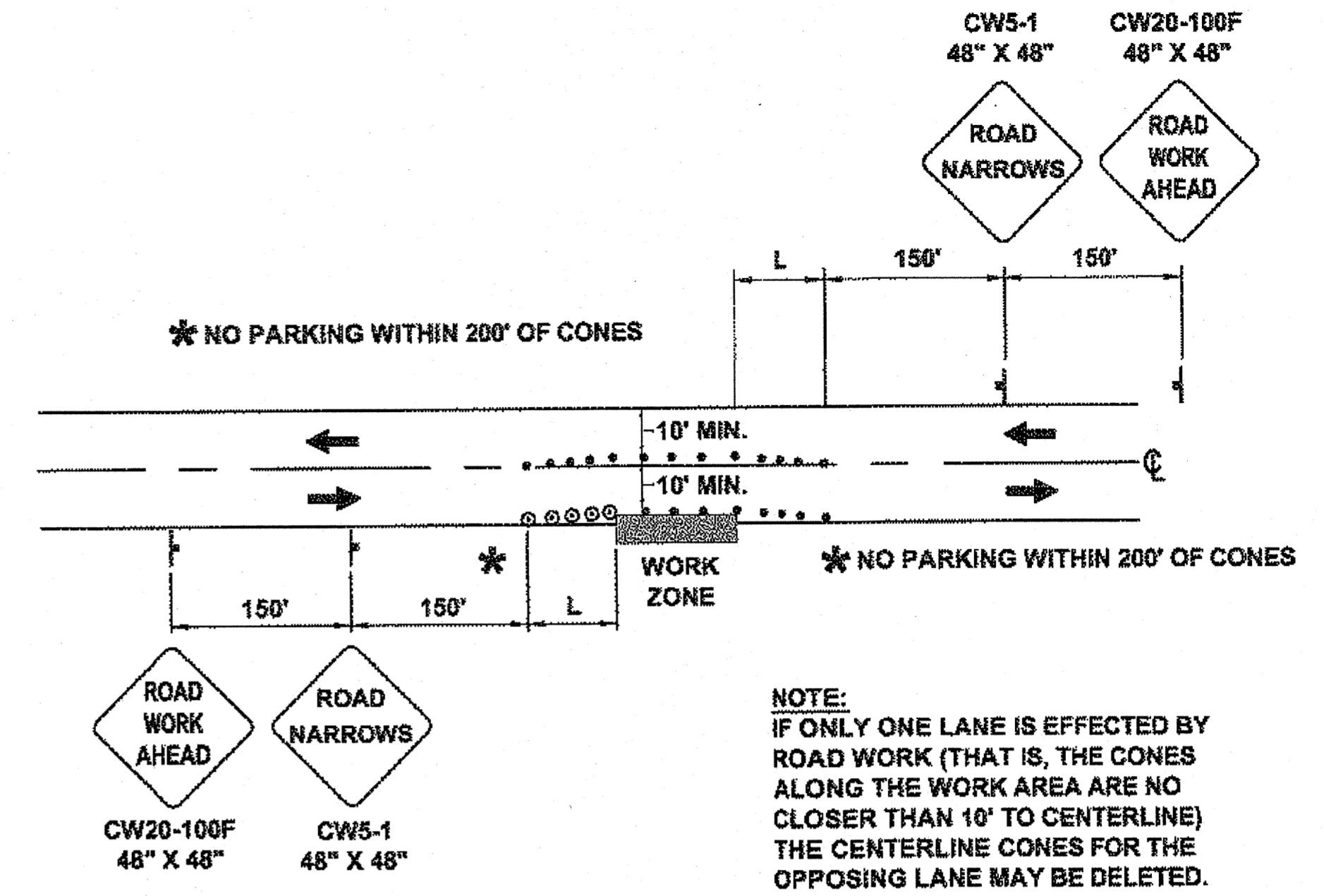
CHECKED BY: D. EPSTEIN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION					
DESIGNED BY: D. MULLINER	HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316					
DRAWN BY: D. MULLINER						
PATH: Q:\HNS\69316\ENR\DOUG'S PLANSET\69316_T_TCP.DWG	TRAFFIC CONTROL PLAN					
TAB: T1 Monday, May 21, 2012 4:18:40 PM	MULLINER, DOUGLAS J (DOT)					
NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69316	2012	T1	110

03 1-13-14



SIGNING FOR UNPAVED AREA

N.T.S.



ROADWAY ENCROACHMENT

N.T.S.

LEGEND	
	SIGN
	CONE
	DRUM
	TYPE III BARRICADE
	FLAGGING STATION

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION				
DESIGNED BY: D. MULLINER		HNS-BEACH ROAD WIDENING & FRONT STREET INTERSECTION IMPROVEMENTS PROJECT #69316				
DRAWN BY: D. MULLINER						
PATH: Q:\HNS\69316\ENDDOUG'S PLANSET\69316_T_TCP.DWG		TRAFFIC CONTROL PLAN				
TAB: T2 Monday, May 21, 2012 4:18:29 PM MULLINER, DOUGLAS J (DOT)						
REVISIONS		PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	
NO.	DATE	DESCRIPTION	69316	2012	T2	110

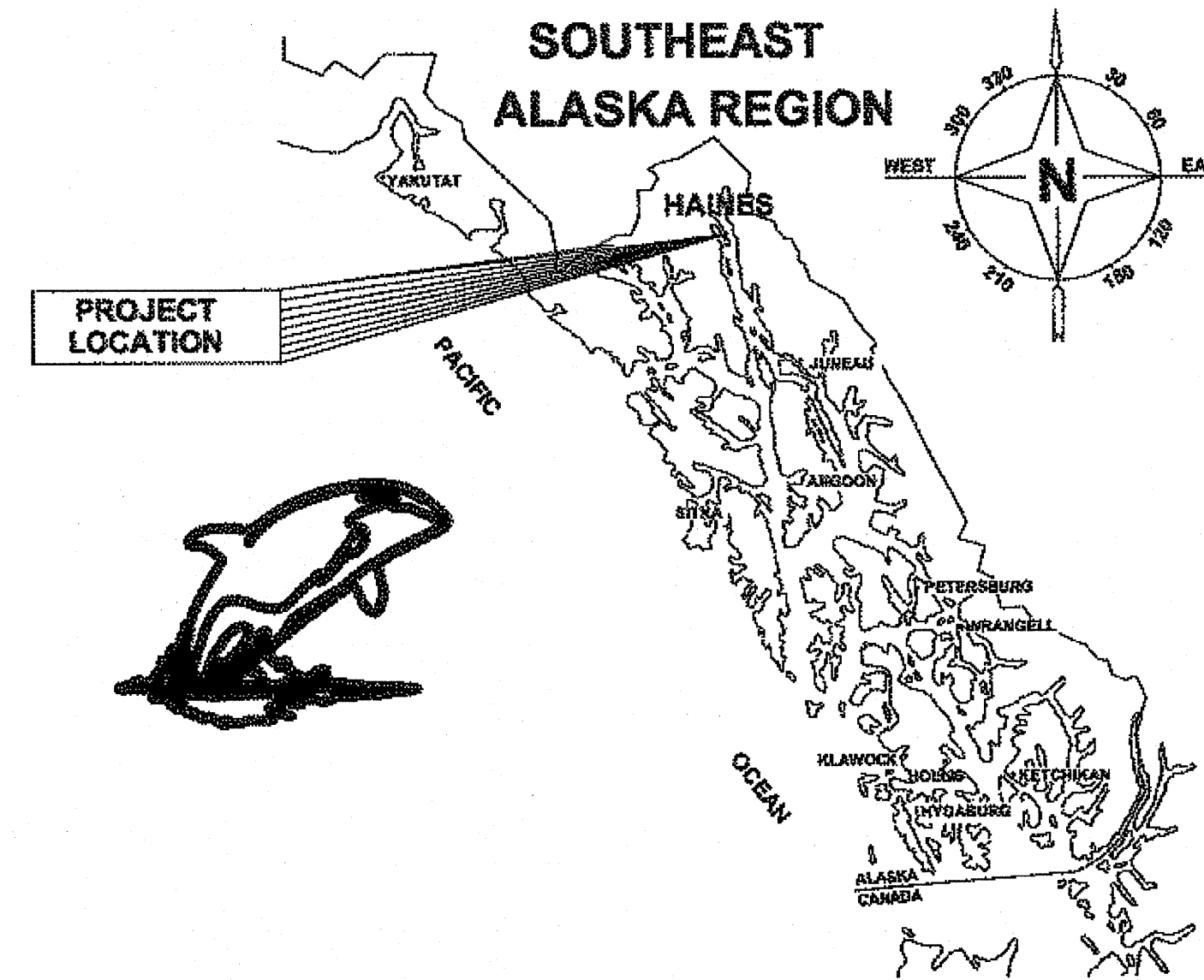
03 1-13-14

State of Alaska

Department of Transportation
and Public Facilities
Southeast Region

HAINES, ALASKA OLD HAINES HIGHWAY

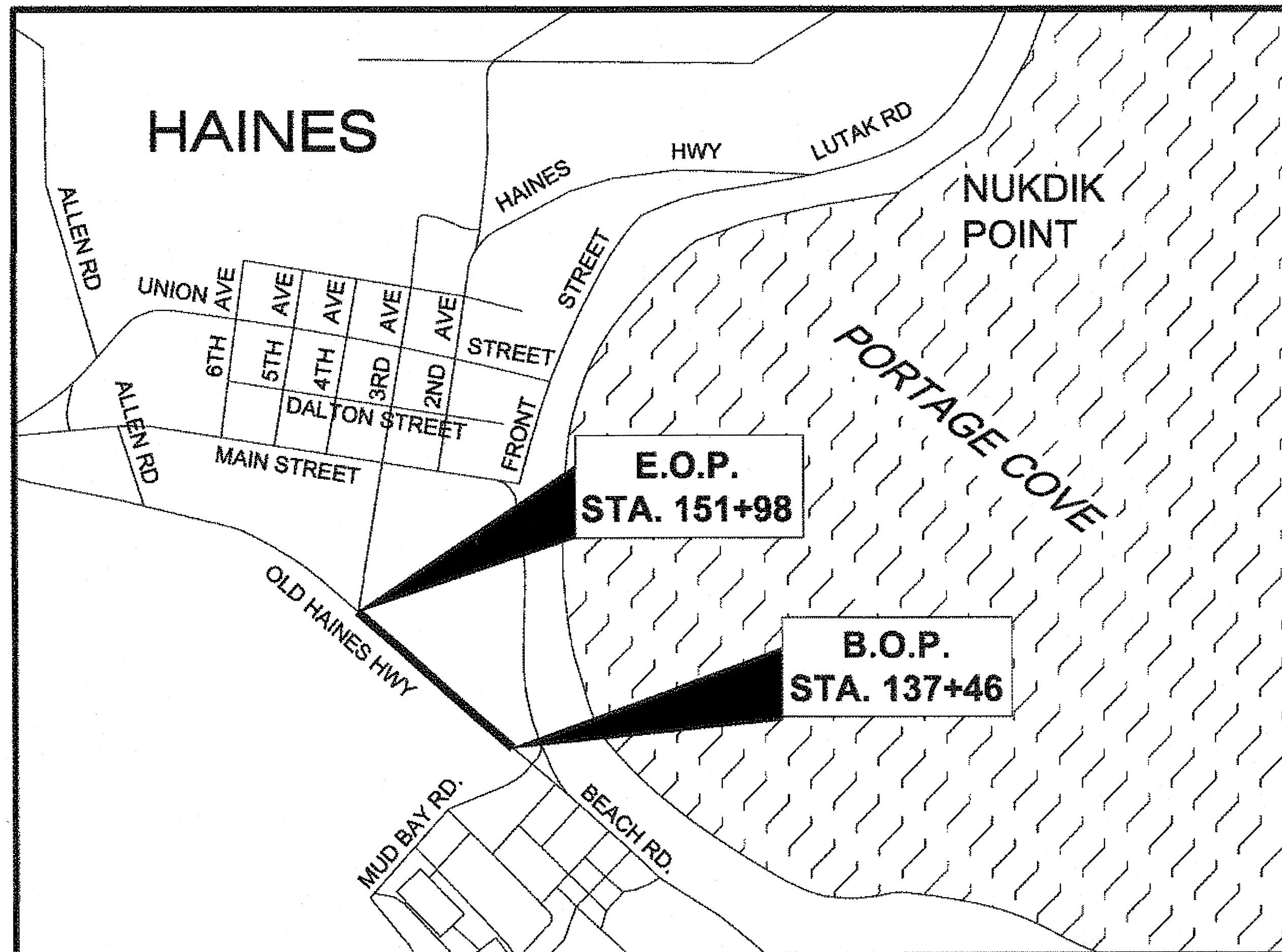
OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT No. 69178



INDEX	
SHEET NO.	DESCRIPTION
A2	TITLE SHEET
B5	TYPICAL SECTIONS
C7-C9	ESTIMATE OF QUANTITIES
D3	SIGN SUMMARY
F15-F18	PLAN SHEETS
J7-J9	MISC DETAILS
P14-P17	EROSION AND SEDIMENT CONTROL PLANS
P18-P19	EROSION AND SEDIMENT CONTROL DETAILS
R13-R16	SIGNING & STRIPING PLAN
T3	TRAFFIC CONTROL PLAN

AS BUILT DRAWINGS

CONTRACTOR Southeast Roadbuilders Inc
 PROJECT ENGINEER JEREMY L STEPHENS
 NTP JULY 18, 2012
 START/END DATE SEPT 26, 2012 / OCT 11, 2013
 SUBS STICKLER CONSTRUCTION CO
 ALASKA STRIPING AND PAINTING



VICINITY MAP

DESIGN DESIGNATION

A.D.T. 2009	=	1940
A.D.T. 2033	=	2190
D.H.V. (14.2%) 2033	=	310
% T	=	9.9%
V	=	35 M.P.H.
E.A.L.	=	300,000

PROJECT SUMMARY

CDS ROUTE NO.	=	298020
CDS MILEPOINT	=	0.635 TO 1.013
LENGTH OF PROJECT	=	0.34 MILES
LENGTH OF SIDEWALK	=	0.34 MILES
WIDTH OF SIDEWALK	=	5 FT
WIDTH OF ROADWAY	=	14-18 FT

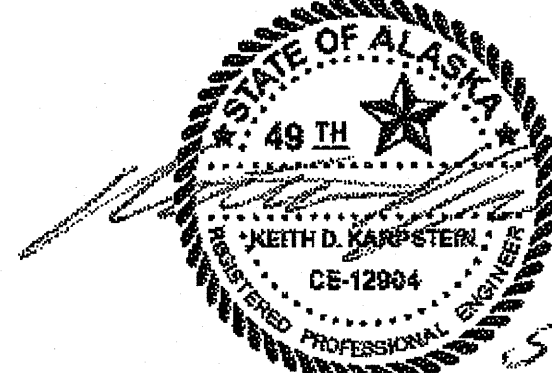
THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-22.01	I-20.13	S-00.10	T-20.02
C-03.10	D-23.01	I-21.01	S-01.00	T-21.02
C-04.12	D-24.00		S-05.01	T-23.00
D-01.02	D-26.02		S-30.03	

CDS MILEPOINT	CDS ROUTE #	START	END
	298020	1.013 (BOP)	0.635 (EOP)

PATH: Q:\HNS\69178\EM\DOUG'S PLANSET\69178_A2_TITLE.DWG TAB:A2
 Thursday, May 26, 2011 2:05:37 PM
 PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION



APPROVED: *Chuck Correa* 5/29/12
 REGIONAL PRE-CONSTRUCTION ENGINEER
 CHUCK CORREA, P.E. DATE

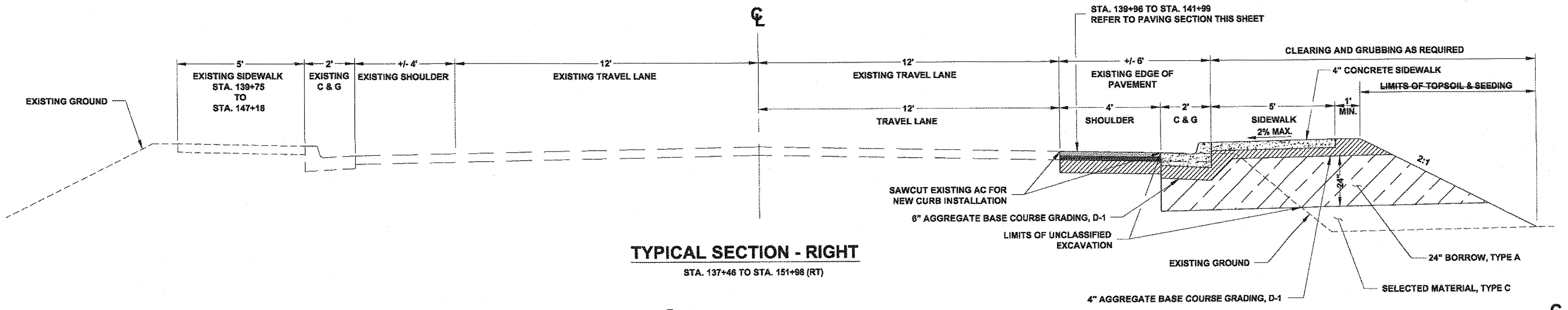
APPROVED: *Albert H. Clough* 5/29/12
 DIRECTOR, SOUTHEAST REGION
 ALBERT H. CLOUGH, CPG DATE

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

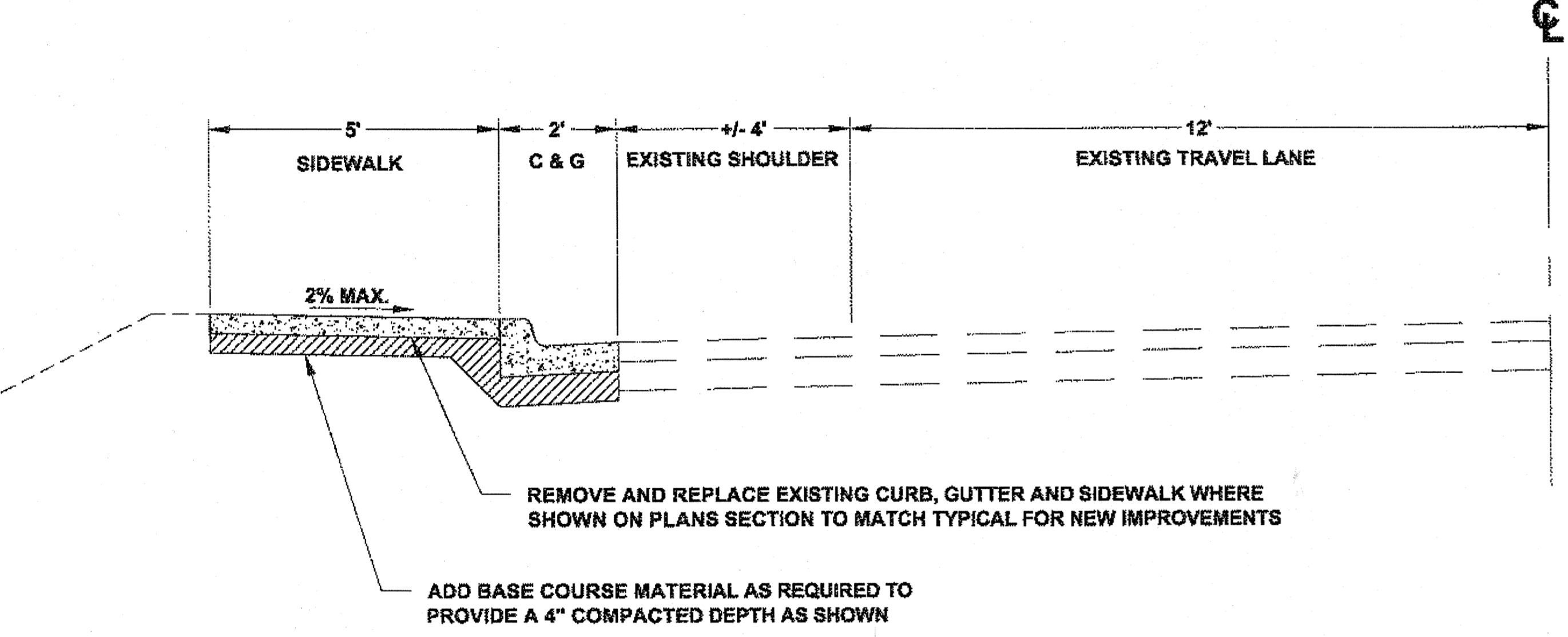
CONSTRUCTION PROJECT MANAGER _____ DATE _____

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	69178	2012	A2	110

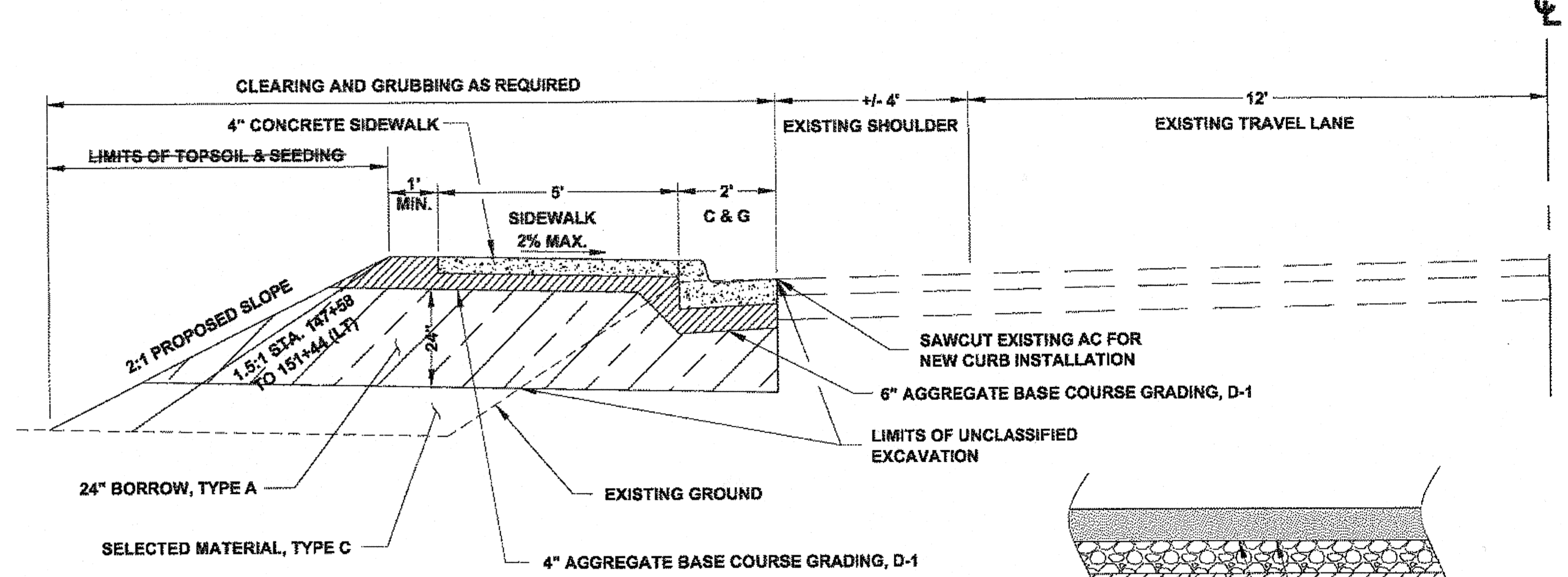
B 1-13-14



TYPICAL SECTION - RIGHT
STA. 137+46 TO STA. 151+98 (RT)

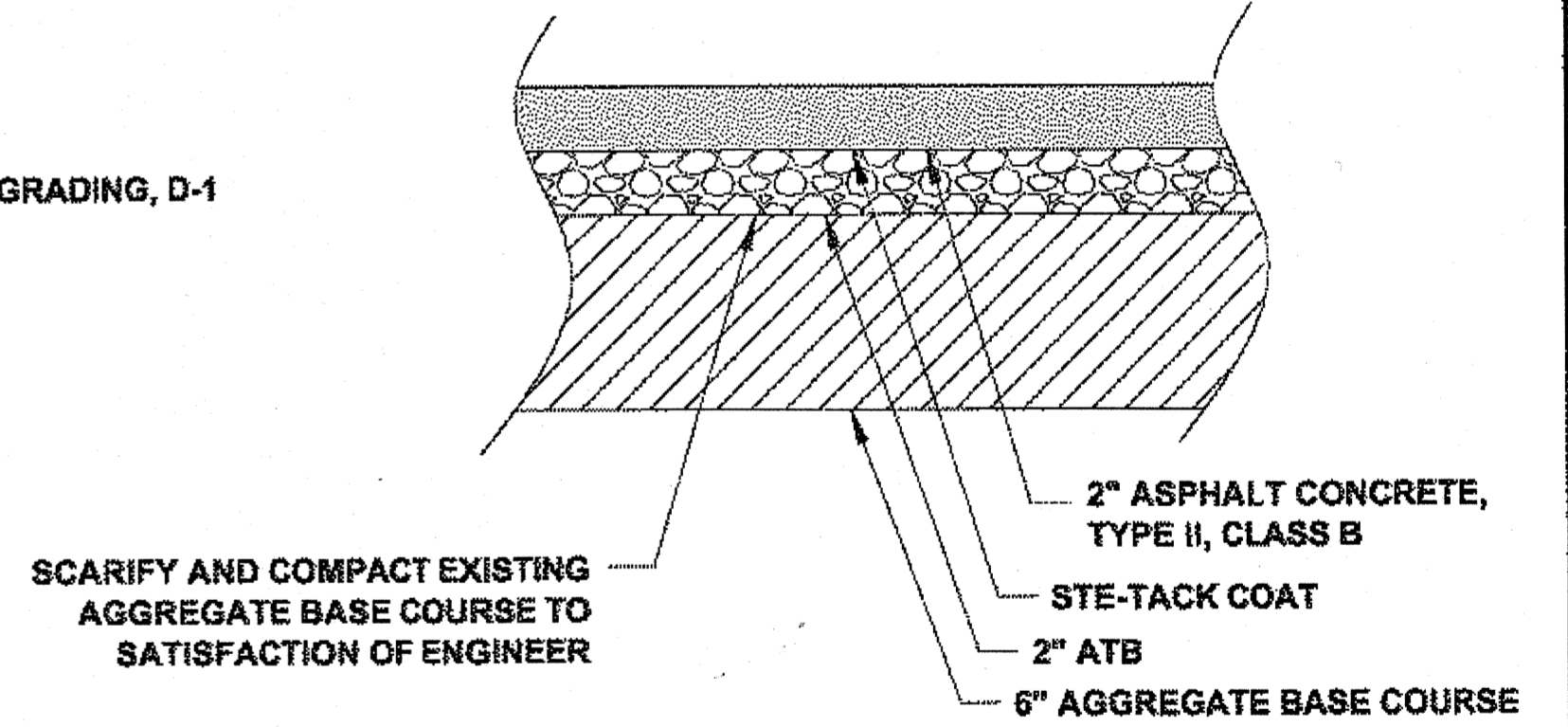


TYPICAL SECTION - LEFT
EXISTING SIDEWALK - STA. 139+75 TO STA. 147+18 (LT)



TYPICAL SECTION - LEFT
STA. 146+79 TO 151+44 (LT - AS SHOWN ON PLAN SET)

- TYPICAL SECTION NOTES**
1. SEE SECTION 642 FOR CONSTRUCTION SURVEYING REQUIREMENTS.
 2. EXISTING SIDEWALK, CURB AND GUTTER TO BE REPLACED AS INDICATED ON PLANS.



PAVING SECTION

NEW ASPHALT SECTION NW & SE CORNERS OF 2ND AVE. AND OLD HAINES HIGHWAY

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

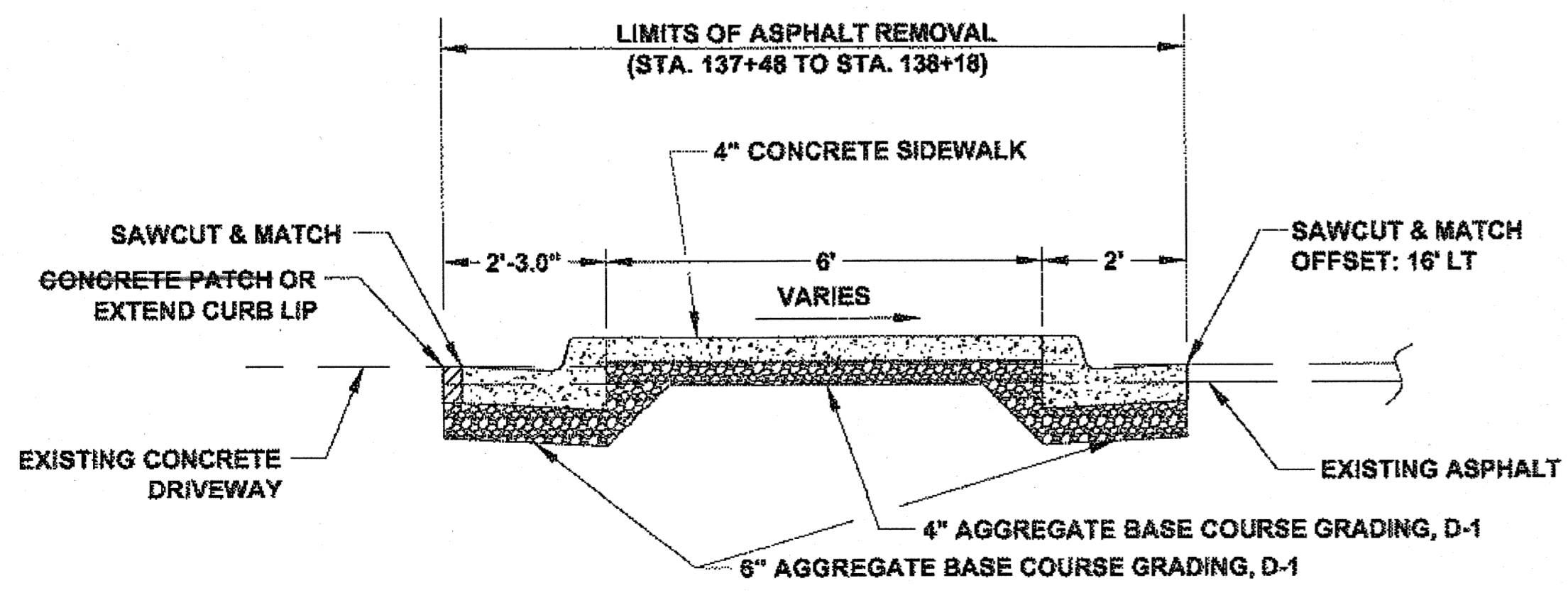
CHECKED BY: K. KARPSTEIN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

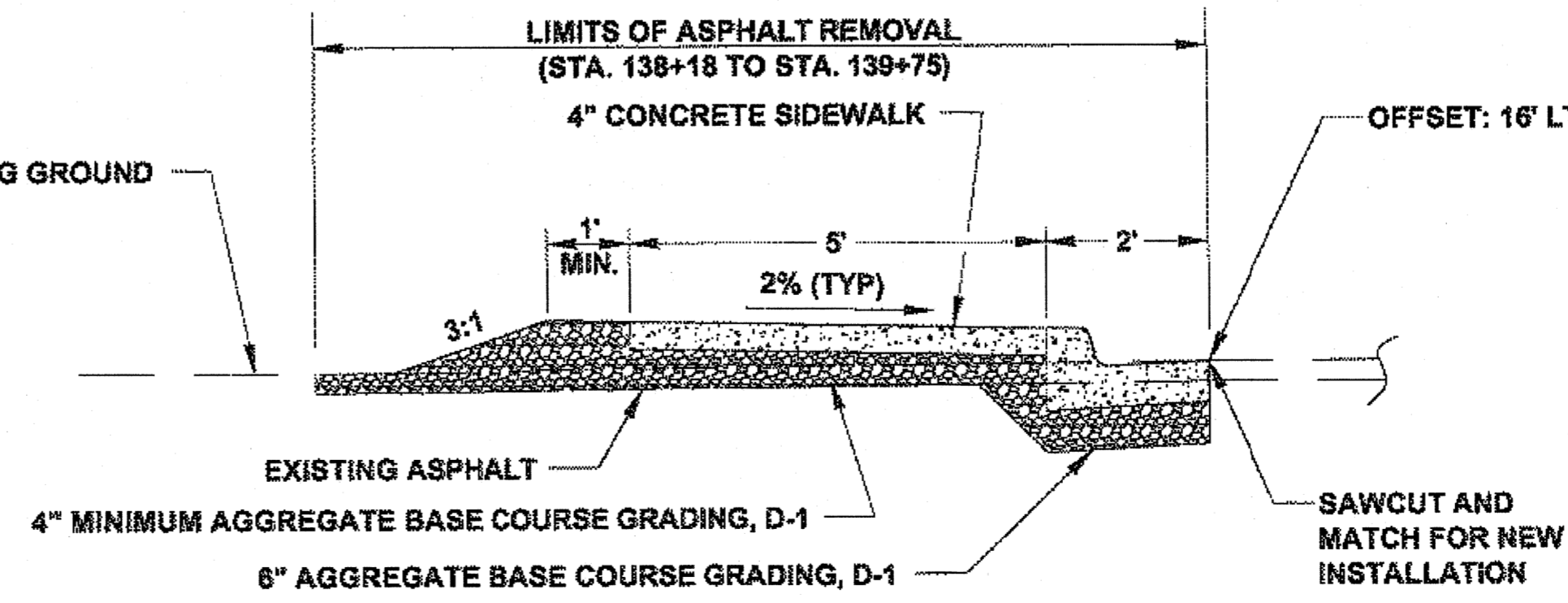
**HNS-OLD HAINES HIGHWAY
SIDEWALK CONSTRUCTION
PROJECT #69178**

TYPICAL SECTIONS

DESIGNED BY: D. MULLINER	PROJECT DESIGNATION 69178	YEAR 2012	SHEET NO. B5	TOTAL SHEETS 110
DRAWN BY: D. MULLINER				
PATH: Q:\HNS\69178\ENDOU'S PLANSET\69178_B5_TYP.DWG				
TAB: B5 Monday, May 14, 2012 9:19:00 AM				
REVISIONS				
NO. DATE DESCRIPTION				



CURB MEDIAN TYPICAL SECTION - LEFT
STA. 137+48 TO STA. 138+18 (LT)



SIDEWALK TYPICAL SECTION - LEFT
STA. 138+18 TO STA. 139+75 (LT)

B 1-13-14

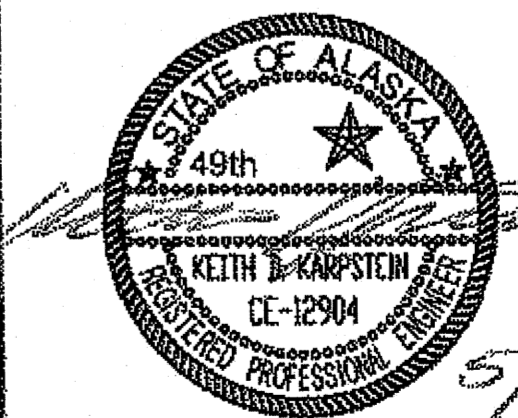
ESTIMATE OF QUANTITIES			
ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201 (3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
202 (2)	REMOVAL OF PAVEMENT	SQUARE YARD	638 1,876
202 (3)	REMOVAL OF SIDEWALK	SQUARE YARD	265 245
202 (9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	461 468
203 (3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	1466 671
203 (6)-A	BORROW, TYPE A CO #3	TON	1000 707
301 (1)	AGGREGATE BASE COURSE, GRADING D-1	TON	660 -0-
303 (4)	DITCH RECONDITIONING	LINEAR FOOT	35 ✓
306 (1)	ASPHALT TREATED BASE COURSE	TON	75 65
401 (1)	ASPHALT CONCRETE, TYPE II; CLASS B	TON	80 138
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	TON	6 10
402 (1)	STE-1 ASPHALT FOR TACK COAT	TON	4 0.55
603 (21)-18	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	402 371
604 (6)	INLET, TYPE A	EACH	8 5
604 (8)	ADJUST EXISTING INLET FRAME & GRATE	EACH	3 1
608 (1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	986 1,045
608 (1B)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	471 194
608 (6)	CURB RAMP	EACH	13 ✓
609 (2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	2393 ✓
611 (1)-1	RIPRAP, CLASS I	CUBIC YARD	30 26
615 (1)	STANDARD SIGN	SQUARE FOOT	159 164
618 (1)	SEEDING	ACRE	0.3 -0-
620 (1)	TOPSOIL	SQUARE YARD	1466 -0-
627 (10)	ADJUSTMENT OF VALVE BOX	EACH	3 ✓
639 (3)	DRIVEWAY	EACH	10 ✓
640 (1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
640 (4)	WORKER MEALS AND LODGING, OR PER DIEM	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
643 (2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643 (3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED
643 (16)	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
670 (1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
NEW ITEMS BY CHANGE ORDER			
203(6B)	MODIFIED BORROW TYPE A - CO NO.3	TON	76
633(2)	SEDIMENT BARRIER	LF	1,511

604(9) INLET FRAME AND GRATE REPLACEMENT EACH 2.36

BASIS OF ESTIMATE		
ITEM NO.	ITEM	ESTIMATING FACTOR
201 (3B)	CLEARING AND GRUBBING	0.3 ACRES
203 (3)	UNCLASSIFIED EXCAVATION	1466 CY - ASSUME SUITABLE FOR SELECTED MATERIAL, TYPE C ESTIMATED 142 CY - SELECTED MATERIAL, TYPE C REQUIRED
203 (6)	BORROW	435 CY, TYPE A 2.3 TONS/CY COMPACTED IN PLACE
301 (1)	AGGREGATE BASE COURSE GRADING D-1	2.5 TON/CY
304 (1)	SUBBASE, GRADING B	2.3 TON/CY
306 (1)	ATB	124 LBS/SY/IN
401 (1)	ASPHALT CONCRETE	124 LBS/SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	6% OF ITEM 401 (1) - 4.5% OF ITEM 306 (1)
402 (1)	STE-1 TACK COAT	0.1 GAL./S.Y. (243 GAL/TON)

UTILITY COMPANY POINTS OF CONTACT			
ELECTRIC	AP&T	DANNY GONCE	766-6500
TELEPHONE	AP&T	BRUCE MESSERSCHMIDT	766-6500
SEWER	HAINES BOROUGH CARLOS J	BRIAN LEMCKE	766-2257
WATER	HAINES BOROUGH CARLOS J	BRIAN LEMCKE	766-2257
CABLE	HAINES CABLE TV	PATTY CAMPBELL	766-2337

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION HNS-OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178	
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		ESTIMATE OF QUANTITIES	
PATH: Q:\HNS\69178\BENBOUG'S PLANSET\69178_C7-C9_EST.DWG TAB: C7 Monday, May 14, 2012 9:18:29 AM MULLINER, DOUGLAS J (DOT)			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69178	YEAR 2012
		SHEET NO. C7	TOTAL SHEETS 110

BS 1-13-14

202(2) REMOVAL OF PAVEMENT				
OFFSET	STATION		AREA (SY)	REMARKS
	FROM	TO		
LT	137+48 ✓	139+90 140+42	260 248	
RT	139+96 141+50	141+99 ✓	160 165	
LT	146+84 ✓	147+66 93	140 191	SE COR. OF 2ND AVE. AND OLD HAINES HWY
RT	148+18 146+90	148+64 151+98	88 335	NW COR. OF 2ND AVE. AND OLD HAINES HWY
RT	151+23	151+98	45	3RD AVE & OLD HAINES HWY
LT	151+20	151+60	145	" " "
RT	142+06	146+85	143	" " "
LT+RT	VARIOUS	VARIOUS	67	Curb + Gutter Access, Various Inter Boxes

603 CULVERT INSTALLATION										
PIPE	INLET			OUTLET			LENGTH (FT)	SIZE	REMARKS	APPROX GRADE
	STATION	OFFSET	INVERT	STATION	OFFSET	INVERT				
P-38 ✓	S-16 ✓	18' RT ✓	53.66 ✓	S-17 ✓	18' RT ✓	51.32 ✓	156 158.4	18" CPP	TO FLOWLINE	1.50% ✓
P-39 ✓	S-17 ✓	18' RT ✓	51.32 ✓	142+75 142.78	36' RT 40 RT	49.37 48.20	130 138	18" CPP ✓		4.58% 2.26
P-40 ✓	S-18 ✓	18' RT ✓	48.58 ✓	144+52.5	36' RT	48.22 47.5 ✓	18 21.5	18" CPP	TO FLOWLINE	2.00% ✓
P-41 ✓	S-19 ✓	18' RT ✓	47.72 ✓	146+95 ✓	38' RT	47.32 ✓	20 21.5	18" CPP		2.00% ✓
P-42	S-20	18' LT	47.80	149+08	30' LT	47.56	12	18" CPP		2.00%
P-43	S-21	18' LT	48.73	151+21	32' LT	46.59	15	18" CPP	CPP DELETED	14.27%
P-44	S-22	18' LT	47.27	151+21	34' LT	46.59	34	18" CPP	CPP DELETED	2.00%
P-45 ✓	S-23 ✓	18' RT ✓	48.87 ✓	151+64	35' RT	48.53 ✓	17	18" CPP	TO FLOWLINE	2.00%

202(3) REMOVAL OF SIDEWALK				
OFFSET	STATION		AREA (SY)	REMARKS
	FROM	TO		
LT	139+75 ✓	140+58 ✓	46 ✓	
LT	141+94 ✓	142+40 ✓	26 ✓	
LT	143+06 ✓	143+42 ✓	20 46	
LT	145+23 2	146+04 3	45 ✓	
LT	146+79 4	147+18 11	44 49	
RT	147+06 ✓	147+75 ✓	53 50	
LT	151+35 ✓	151+48 ✓	31 9	

604(5) INLET, TYPE A					
STRUCT. NO.	STATION	OFFSET	TOP BACK OF CURB ELEV.	STRUCT. TYPE	REMARKS
S-16 ✓	139+87 ✓	18' RT ✓	56.91 ✓	A ✓	NO SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-17 ✓	141+45 ✓	18' RT ✓	54.64 ✓	A ✓	NO SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-18 ✓	144+52 ✓	18' RT ✓	51.83 ✓	A ✓	NO SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-19 ✓	146+95 ✓	18' RT ✓	50.97 ✓	A ✓	NO SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-20	149+08	18' LT	51.05	A	NO SUMP (GRATE STYLE PER STD. DWG. D-22.01)
S-21	151+27	18' LT	51.98	A	NO SUMP (GRATE STYLE PER STD. DWG. D-22.01) INLET DELETED
S-22	151+54	18' LT	50.52	A	NO SUMP (GRATE STYLE PER STD. DWG. D-22.01) INLET DELETED
S-23 ✓	151+64 ✓	18' RT ✓	52.12 ✓	A ✓	NO SUMP (GRATE STYLE PER STD. DWG. D-22.01)

1. ENTIRE KNOCKOUT IS TO BE REMOVED AND SEALED SHUT AROUND PIPE. ALL PIPES ARE TO EXTEND MIN. 1" AND MAX. 2" INTO CATCH BASIN. GROUT INTERIOR AND EXTERIOR BETWEEN FRAME, SECTIONS AND CATCH BASIN.

2. GRATE MUST BE OF A TYPE THAT WILL NOT CREATE A HAZARD OF BICYCLE TRAFFIC.

3. ALL INVERT ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

202(9) REMOVAL OF CURB & GUTTER				
OFFSET	STATION		LENGTH (LF)	REMARKS
	FROM	TO		
LT	139+75 ✓	140+58 ✓	83 ✓	
LT	141+94 ✓	142+40 ✓	46 ✓	
LT	143+06 ✓	143+42 ✓	36 ✓	
LT	145+23 2	146+04 3	81 ✓	
LT	146+79 4	147+18 11	80 94	
RT	147+06 ✓	147+75 ✓	80 78	
LT	151+35 ✓	151+48 ✓	55 51	

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK CONSTRUCTION
PROJECT #69178

ESTIMATE OF QUANTITIES

PATH: Q:\HNS\69178\ENDOUIG'S PLANSET\69178_C7-C9_EST.DWG
TAB: C8 Monday, May 14, 2012 8:19:44 AM MULLINER, DOUGLAS J (DOT)

REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			69178	2012	C8	110

5/21/12

BS 1-13-14

604(8) ADJUST EXISTING INLET FRAME & GRATE		
STATION	OFFSET	REMARKS
140+40	LT	REPLACED GRATE STYLE PER STD. DWG. D-22.01
145+29	LT	REPLACED GRATE STYLE PER STD. DWG. D-22.01
146+84	LT	GRATE STYLE PER STD. DWG. D-22.01
604(9) INLET FRAME AND GRATE REPLACEMENT		
140+40	LT	
145+29	LT	

608(6) CURB RAMP		
STATION	OFFSET	REMARKS
139+95	RT	ONE WAY DIRECTIONAL RAMP
140+43	RT	ONE WAY DIRECTIONAL RAMP
141+53	RT	ONE WAY DIRECTIONAL RAMP
142+00	RT	ONE WAY DIRECTIONAL RAMP
147+06	LT	SE COR. OF 2ND AVE. & OLD HAINES HWY
147+22	RT	NE COR. OF 2ND AVE. & OLD HAINES HWY
147+60	RT LT	NE COR. OF 2ND AVE. & OLD HAINES HWY
147+60	RT	SW COR. OF 2ND AVE. & OLD HAINES HWY
148+29	RT	NW COR. OF 2ND AVE. & OLD HAINES HWY
149+20	LT	ONE WAY DIRECTIONAL RAMP
150+44	LT	ONE WAY DIRECTIONAL RAMP
151+51	LT	SE COR. OF 3RD AVE. & OLD HAINES HWY
151+84	RT	NE COR. OF 3RD AVE. & OLD HAINES HWY

608(1A) CONCRETE SIDEWALK (4 INCH)					
STATION FROM	STATION TO	OFFSET	LENGTH (FT)	AREA (SY)	REMARKS
137+46	137+87	RT	41	23	
137+48.50	138+12.14	LT	64	36	
138+23.25	138+85.81	RT	62	34	
138+26.46	138+81	LT	55	31	
139+17.19	139+90.83	LT	73	41	
139+21	139+89.140+06	RT	68	38	
140+26.33	140+58.141+04	LT	32	18	
140+49.30	141+46.65	RT	97	54	
142+06	147+12	RT	506	283	
145+23.142+10	145+68.143+06	LT	45	26	
146+78.143+42	147+00.145+67	LT	20	11	SE COR. OF 2ND AVE & OLD HAINES HWY
±147+07	±147+11	LT	4	2	SE COR. OF 2ND AVE & OLD HAINES HWY
147+33	147+55	RT	22	12	NE COR. OF 2ND AVE & OLD HAINES HWY
147+67	147+74	RT	7	4	NE COR. OF 2ND AVE & OLD HAINES HWY
±147+62	149+22	LT	156	87	
148+29	148+32	RT	3	2	NW COR. OF 2ND AVE & OLD HAINES HWY
148+40	151+73	RT	345	192	3RD & OLD HNS HWY
±150+50.40	151+44.57	LT	94	52	3RD & OLD HNS HWY
151+41	151+67	LT	26	14	SE COR. OF 3RD AVE & OLD HAINES HWY
151+96	151+98	RT	2	1	NE COR. OF 3RD AVE & OLD HAINES HWY

609(2) CURB & GUTTER				
OFFSET	STATION		LENGTH (LF)	REMARKS
	FROM	TO		
RT	137+48.50	140+05	260	
LT	137+48.50	140+58	382	MEDIAN CURB
RT	140+33.50	141+62	132	
RT	141+90	147+74	610	
LT	141+94	142+40	46	
LT	143+06	143+42	36	
LT	145+23	146+04	81	
LT	146+79	147+11	60	
LT	147+54	149+30	190	
RT	148+29	151+98	434	EOP 3rd & OLD HNS HWY
LT	150+34	151+44	162	EOP 3rd & OLD HNS HWY

627(10) ADJUST VALVE BOX		
STATION	OFFSET	REMARKS
147+34	28' LT	
147+34	31' LT	
151+45	58' LT	FIRE HYDRANT VALVE

608(1B) CONCRETE SIDEWALK (6 INCH)/639(3) DRIVEWAY					
(CL) STATION	OFFSET	DW WIDTH (FT)	6" CONC. WIDTH (FT)	AREA (SY)	REMARKS
138+05	RT	24	36	20	BUSINESS - DELTA WESTERN
138+30	LT	24	36	20	BUSINESS - QUICK SHOP
138+99	LT	24	36	20	BUSINESS
139+03	RT	24	36	20	BUSINESS - DELTA WESTERN
140+08	LT	34	46	26	POST OFFICE - EXIT
142+17	LT	34	46	26	POST OFFICE - ENTRANCE
143+24	LT	24	36	20	BUSINESS
145+86	LT	24	36	20	BUSINESS

639(3) DRIVEWAY				
STATION	OFFSET	WIDTH (FT)	LENGTH (FT)	REMARKS
138+05	RT	24	39	SIDEWALK DRIVEWAY
138+30	LT	24	32	SIDEWALK DRIVEWAY
138+99	LT	24	39	SIDEWALK DRIVEWAY
139+03	RT	24	45	SIDEWALK DRIVEWAY
140+08	LT	34	50	SIDEWALK DRIVEWAY
140+19	RT	28	7	PAVED
141+77	RT	28	7	PAVED
142+17	LT	34	46	SIDEWALK DRIVEWAY
143+24	LT	24	36	SIDEWALK DRIVEWAY
145+86	LT	24	38	SIDEWALK DRIVEWAY

WITH 15 FT TRANSITIONS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK CONSTRUCTION
PROJECT #69178

ESTIMATE OF QUANTITIES

PATH: Q:\HNS\69178\END\DOUG'S PLANSET\69178_C7-C9_EST.DWG
TAB: C8 Monday, May 14, 2012 9:19:58 AM MULLINER, DOUGLAS J (DOT)

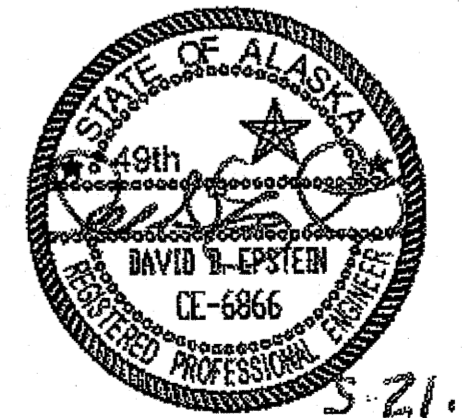
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			69178	2012	C9	110

B3 1-13-14

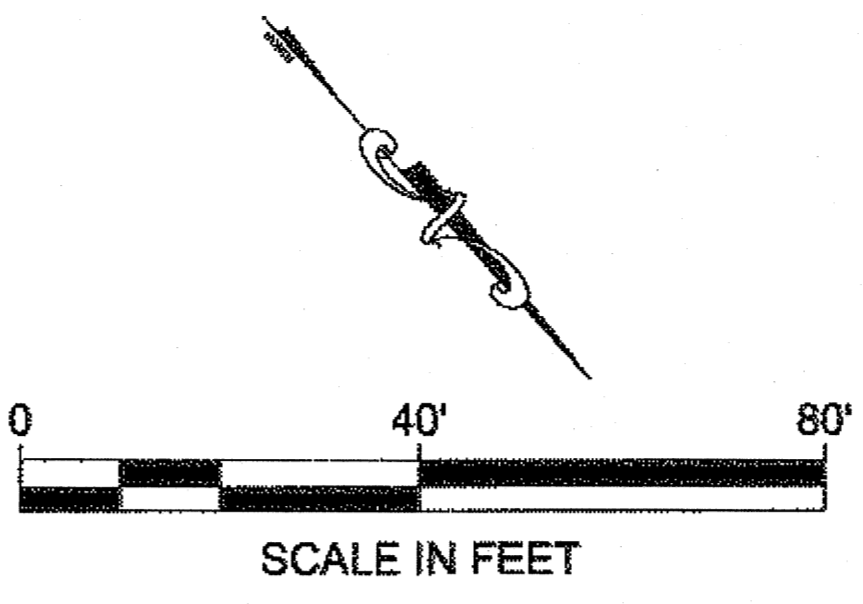
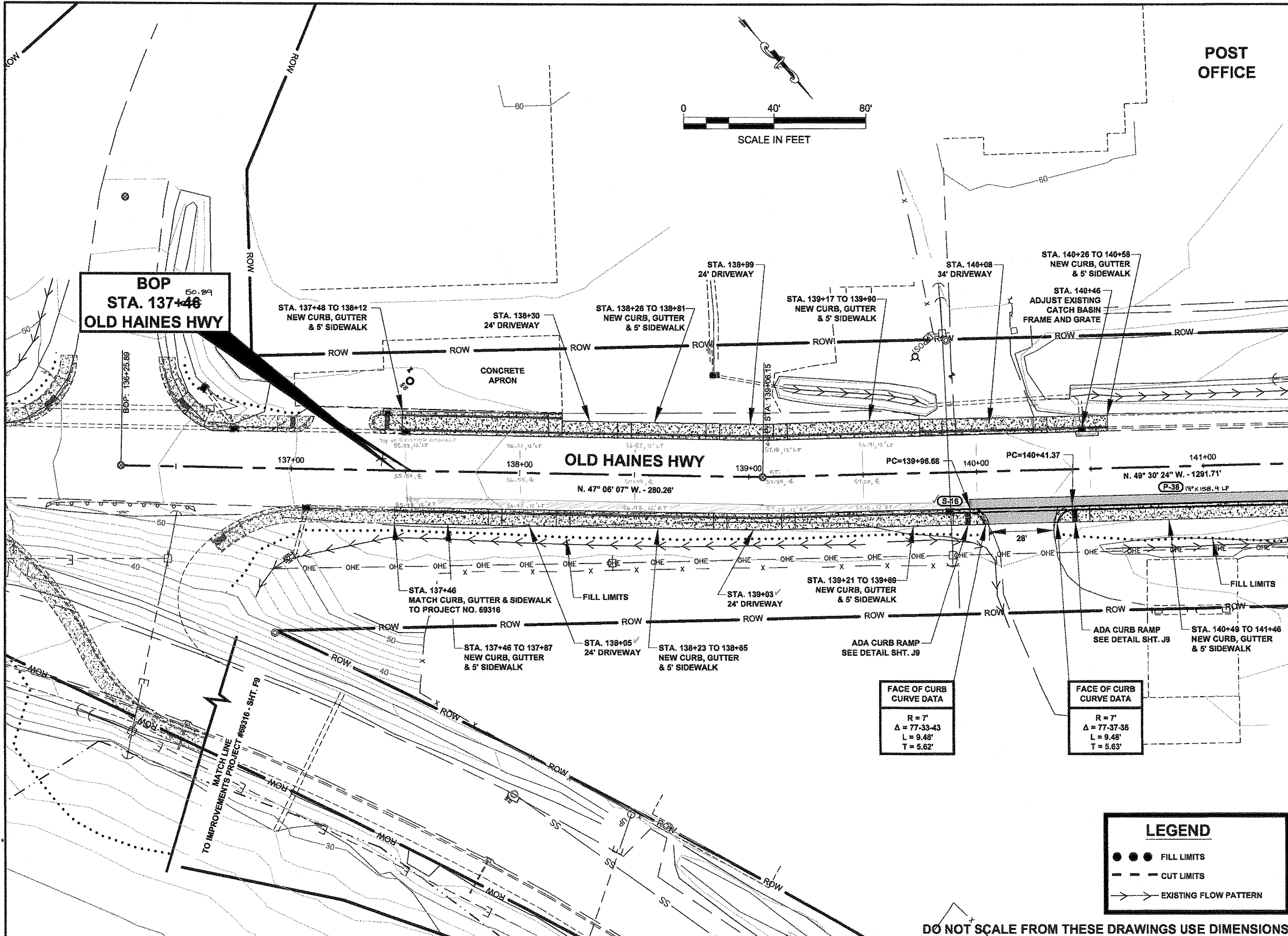
615(1) STANDARD SIGN SUMMARY

SIGN #	LEGEND	STATION	OFFSET	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	POST	EMBEDDED DEPTH	SIGN FACING	COMMENTS
1	STOP	139+89	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	
2	DO NOT ENTER	139+89	LT	R5-1	36	36	9.00	-	-	SB	MOUNT BEHIND SIGN #2
3	STOP	140+26	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	
4	DO NOT ENTER	140+26	LT	R5-1	36	36	9.00	-	-	SB	MOUNT BEHIND SIGN #3
5	ENTRANCE	141+95	LT	CUSTOM	36	12	3.00	2.5 PST	4'-6"	WB	MOUNT PERPENDICULAR TO SIGN #6
6	DO NOT ENTER	141+95	LT	R5-1	36	36	9.00	-	-	NB	
7	ENTRANCE	141+95	LT	CUSTOM	36	12	3.00	-	-	EB	MOUNT PERPENDICULAR TO SIGN #6
8	HAINES "→"	142+75	RT	D1-1	42-12	24	7.00	2.5 PST	4'-6"	WB	
9	SPEED LIMIT 35	143+08	RT	R2-2	30	36	7.50	2.5 PST	4'-6"	WB	
10	ADVANCED SCHOOL CROSSING (SYMBOL)	143+08	RT	S1-1	36	36	9.00	-	-	WB	MOUNT BELOW SIGN #9
11	AHEAD	143+08	RT	W16-9P	36	18	4.50	-	-	WB	MOUNT BELOW SIGN #10
12	SPEED LIMIT 35	145+50	LT	R2-1	30	36	7.50	2.5 PST	4'-6"	WB	
13	FIRE TRUCK (SYMBOL)	145+84	RT	W11-8	36	36	9.00	2.5 PST	4'-6"	WB	
14	FIRE STATION	145+84	RT	W11-8A	36	36	9.00	-	-	WB	MOUNT BELOW SIGN #13
15	STOP	147+03	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	
16	Old Haines Hwy	147+03	LT	D3-1	42	8	2.33	-	-	EB/WB	(USE FONT SERIES C, 4"1/3" LETTER HEIGHT) MOUNT ABOVE SIGN #15
17	2nd Ave	147+03	LT	D3-1	24	8	1.33	-	-	NB/SB	(USE FONT SERIES C, 4"1/3" LETTER HEIGHT) MOUNT ABOVE SIGN #16
18	FORT SEWARD/VISITOR INFO/DOWNTOWN HAINES	147+07	RT	-	-	-	-	-	-	EB	SIGN TO REMAIN ✓
19	VISITOR INFORMATION/DOWNTOWN HAINES	147+07	RT	-	-	-	-	-	-	WB	SIGN TO REMAIN ✓
20	STOP	148+33	RT	R1-1	30	30	6.25	2.5 PST	4'-6"	SB	
21	Old Haines Hwy	148+33	RT	D3-1	42	8	2.33	-	-	EB/WB	(USE FONT SERIES C, 4"1/3" LETTER HEIGHT) MOUNT ABOVE SIGN #20
22	2nd Ave	148+33	RT	D3-1	24	8	1.33	-	-	NB/	(USE FONT SERIES C, 4"1/3" LETTER HEIGHT) MOUNT ABOVE SIGN #21
23	"?" (QUESTION MARK SYMBOL)	149+19	LT	D9-10	24	24	4.00	2.5 PST	4'-6"	EB	
24	INFORMATION	149+19	LT	D9-10	24	6	1.00	-	-	EB	MOUNT BELOW SIGN #23
25	"←" (DIRECTIONAL ARROW SYMBOL POINTING LEFT)	149+19	LT	D9-301	24	6	1.00	-	-	EB	MOUNT BELOW SIGN #24 (BACKGROUND BLUE/BORDER AND LEGEND WHITE)
26	END SCHOOL ZONE	149+19	LT	S5-2	24	30	5.00	-	-	EB	MOUNT BELOW SIGN #25
27	FIRE TRUCK (SYMBOL)	150+03	RT	W11-8	36	36	9.00	2.5 PST	4'-6"	WB	
28	FIRE STATION	150+03	RT	W11-8A	36	36	9.00	-	-	WB	MOUNT BELOW SIGN #27
29	STOP	151+45	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	NB	
30	Old Haines Hwy	151+45	LT	D3-1	54	8	3.00	-	-	EB/WB	(USE FONT SERIES C, 4"1/3" LETTER HEIGHT) MOUNT ABOVE SIGN #29
31	3rd Ave	151+45	LT	D3-1	24	8	1.33	-	-	NB/SB	(USE FONT SERIES C, 4"1/3" LETTER HEIGHT) MOUNT ABOVE SIGN #30

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION HNS-OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178	
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		SIGN SUMMARY	
PATH: Q:\HNS\69178\EN\DOUG'S PLANS\SET169178_D3-SUM.DWG TAB: D3 Monday, May 14, 2012 9:20:32 AM		MULLINER, DOUGLAS J (DOT)	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69178	YEAR 2012
		SHEET NO. D3	TOTAL SHEETS 110

BS 1-13-14



POST OFFICE

PATH: Q:\HNS\69178\BENDDOUG'S PLANSET\69178_F_SHT.DWG

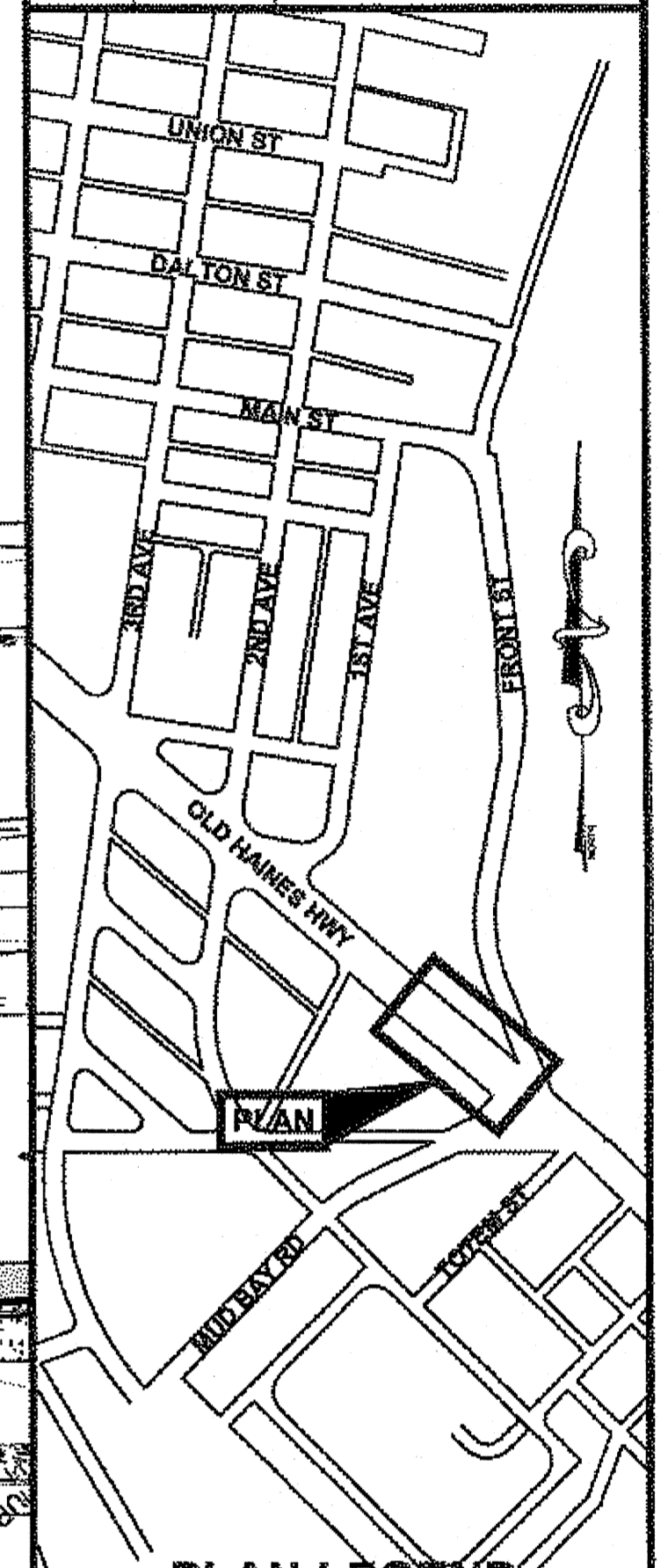
MULLINER, DOUGLAS J (DOT)
TAB: F15 Monday, May 14, 2012 9:21:27 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**HNS-OLD HAINES HIGHWAY
SIDEWALK CONSTRUCTION
PROJECT #69178**

PLAN VIEW

PROJECT DESIGNATION

69178

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F15	110

LEGEND

- ● ● FILL LIMITS
- - - CUT LIMITS
- → → EXISTING FLOW PATTERN

**FACE OF CURB
CURVE DATA**

R = 7'
Δ = 77-33-43
L = 9.48'
T = 5.62'

**FACE OF CURB
CURVE DATA**

R = 7'
Δ = 77-37-35
L = 9.48'
T = 5.63'

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14

PATH:Q:\HNS\69178\END\DOUG'S
 PLANSET\69178_F_SHT.DWG

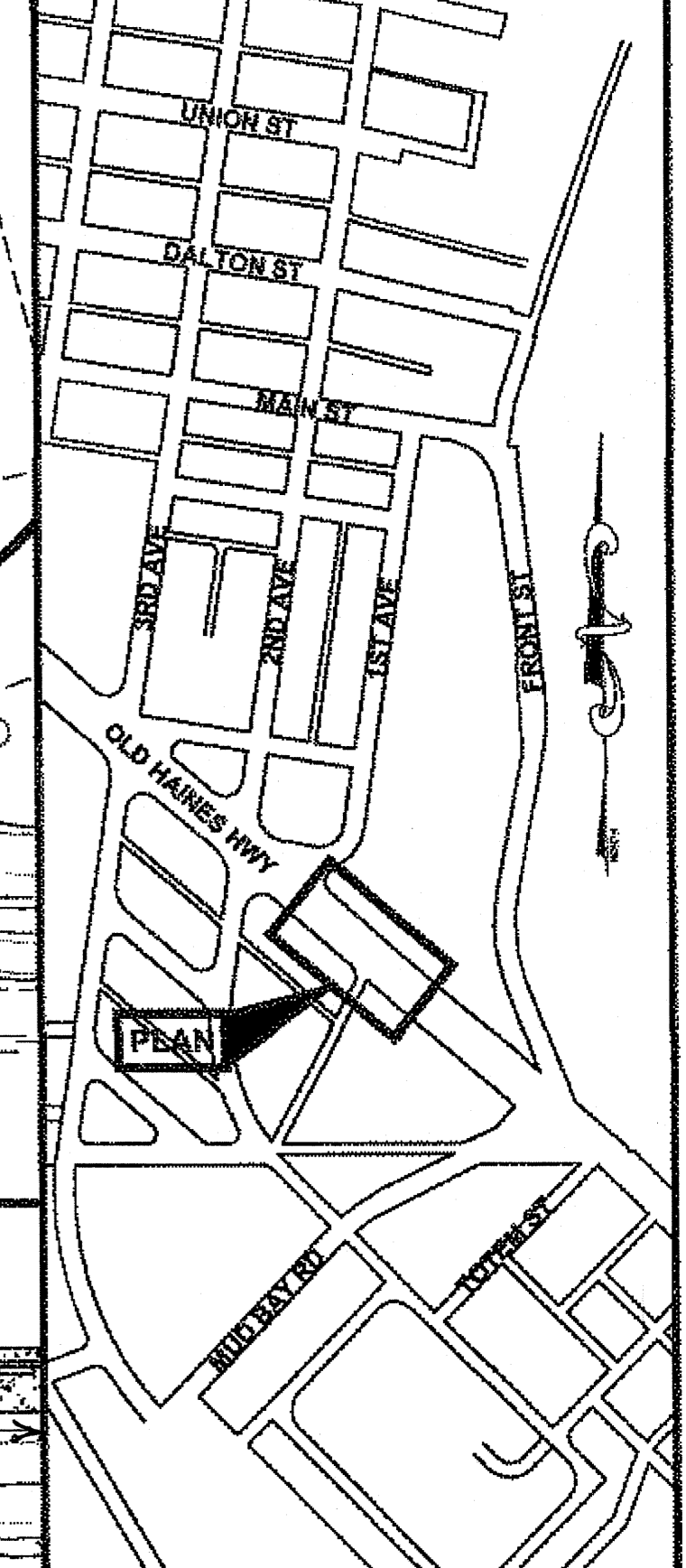
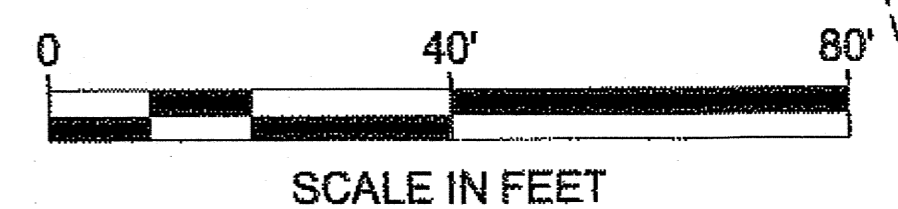
MULLINER, DOUGLAS J (DOT)
 TAB: F16 Monday, May 14, 2012 9:21:45 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
 SIDEWALK CONSTRUCTION
 PROJECT #69178

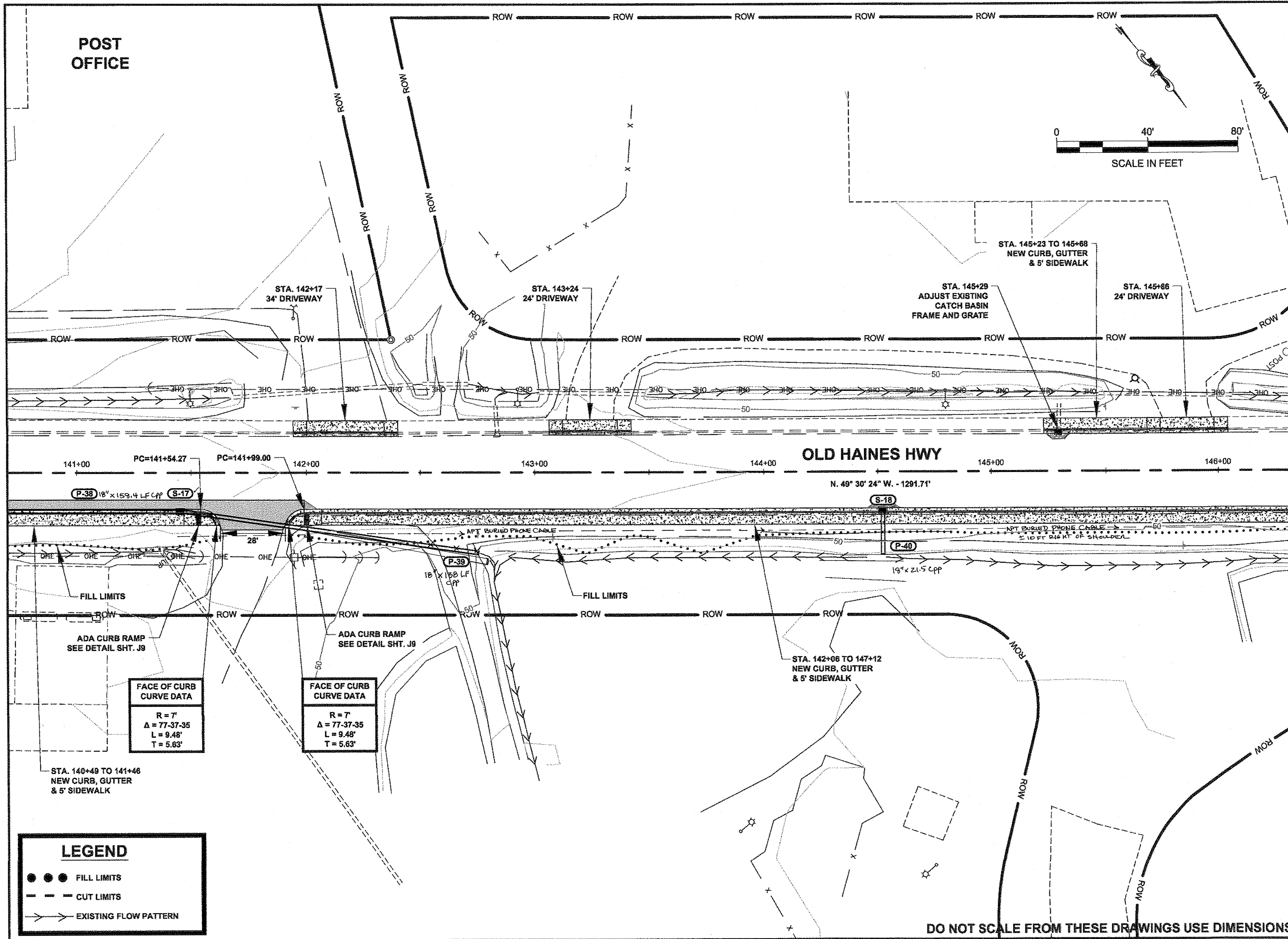
PLAN VIEW

PROJECT DESIGNATION

69178

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F16	110

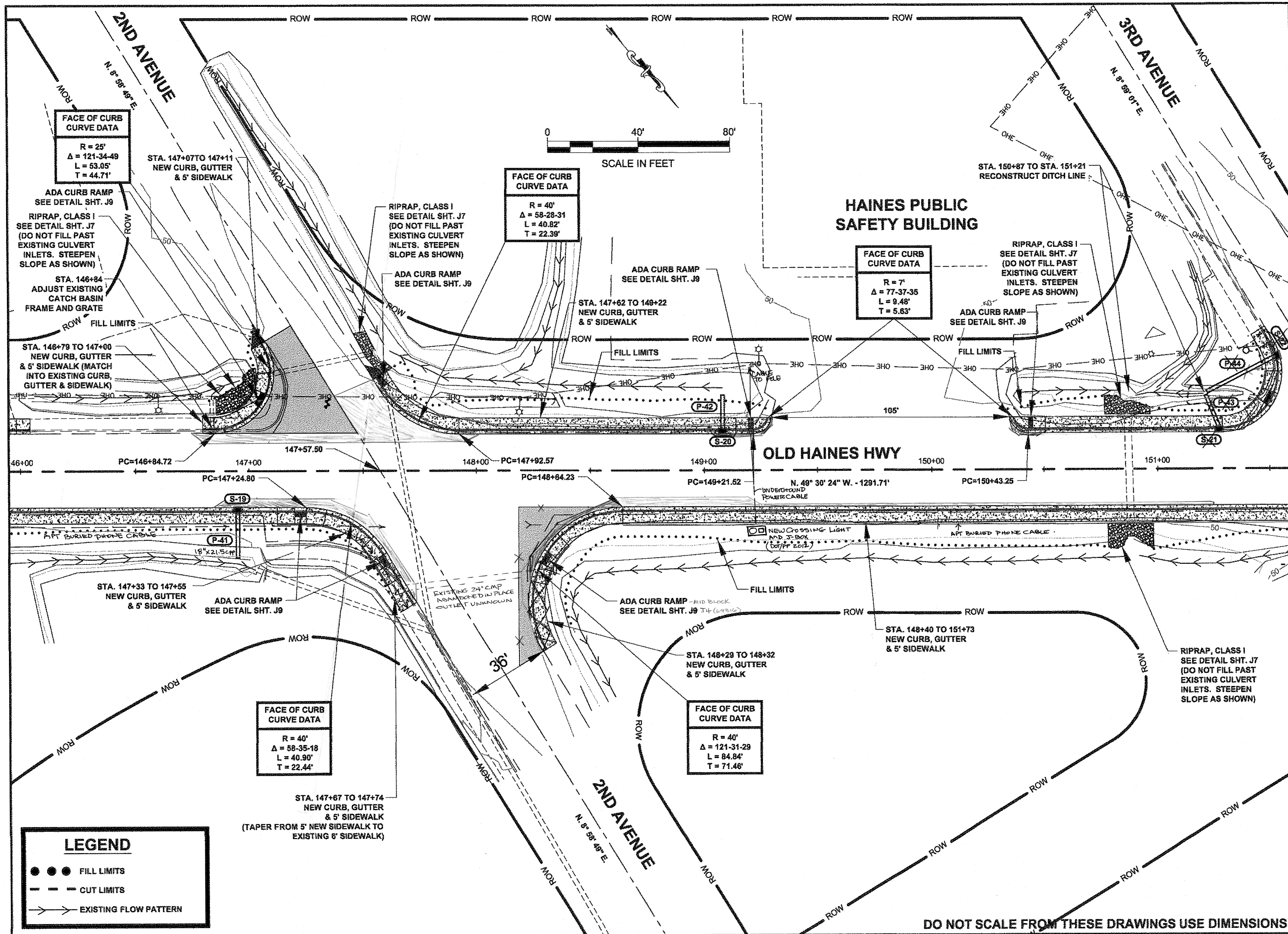
BS 1-13-14



LEGEND

- ● ● FILL LIMITS
- - - CUT LIMITS
- → → EXISTING FLOW PATTERN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



FACE OF CURB CURVE DATA
 R = 25'
 $\Delta = 121-34-49$
 L = 53.05'
 T = 44.71'

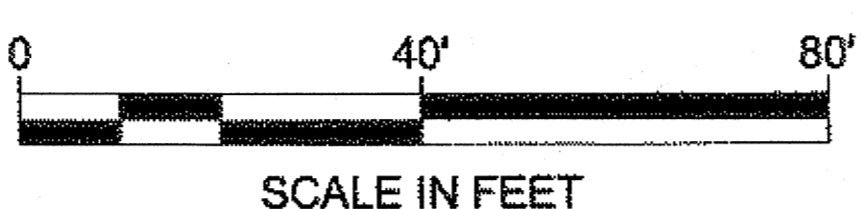
FACE OF CURB CURVE DATA
 R = 40'
 $\Delta = 58-28-31$
 L = 40.82'
 T = 22.39'

FACE OF CURB CURVE DATA
 R = 7'
 $\Delta = 77-37-35$
 L = 9.48'
 T = 5.63'

FACE OF CURB CURVE DATA
 R = 40'
 $\Delta = 58-35-18$
 L = 40.90'
 T = 22.44'

FACE OF CURB CURVE DATA
 R = 40'
 $\Delta = 121-31-29$
 L = 84.84'
 T = 71.46'

LEGEND
 ● ● ● FILL LIMITS
 - - - CUT LIMITS
 > > > EXISTING FLOW PATTERN



PATH: Q:\HNS169178\ENDOU'S PLANSET169178_F_SHT.DWG

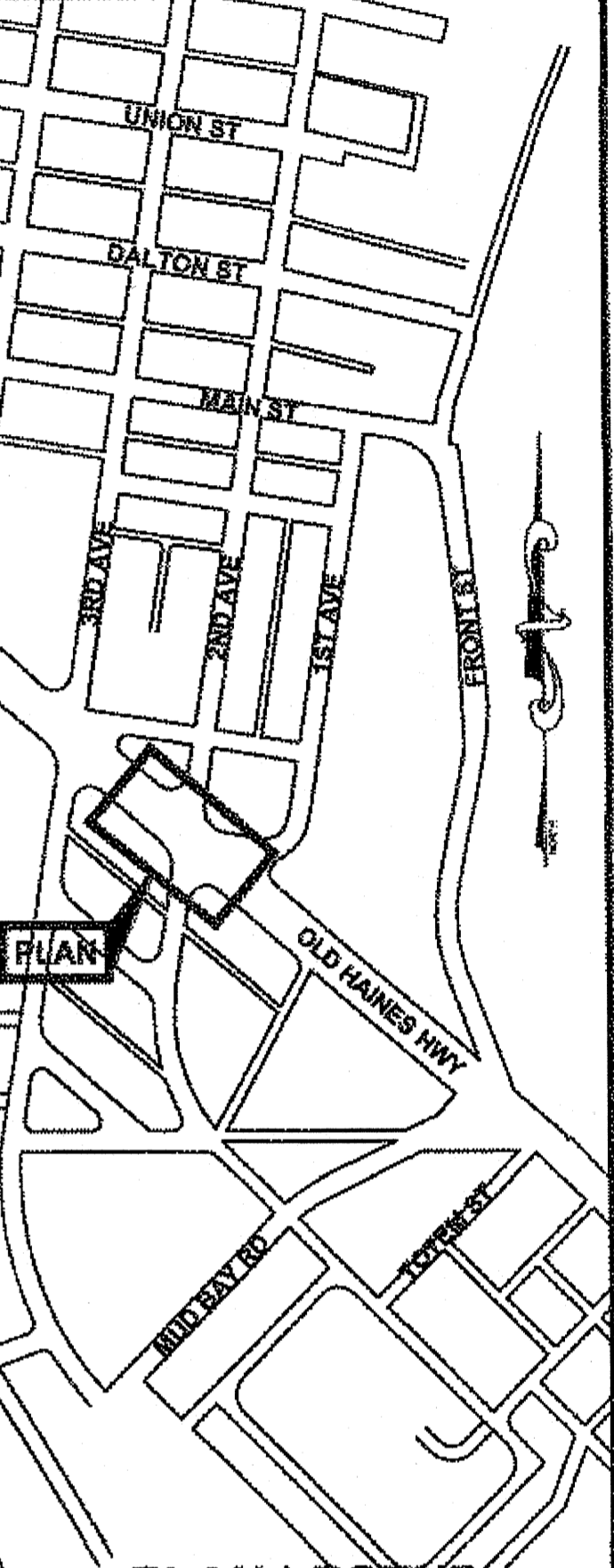
MULLINER, DOUGLAS J (DOT)
 TAB: F17 Monday, May 14, 2012 9:22:06 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

**HNS-OLD HAINE'S HIGHWAY
 SIDEWALK CONSTRUCTION
 PROJECT #69178**

PLAN VIEW

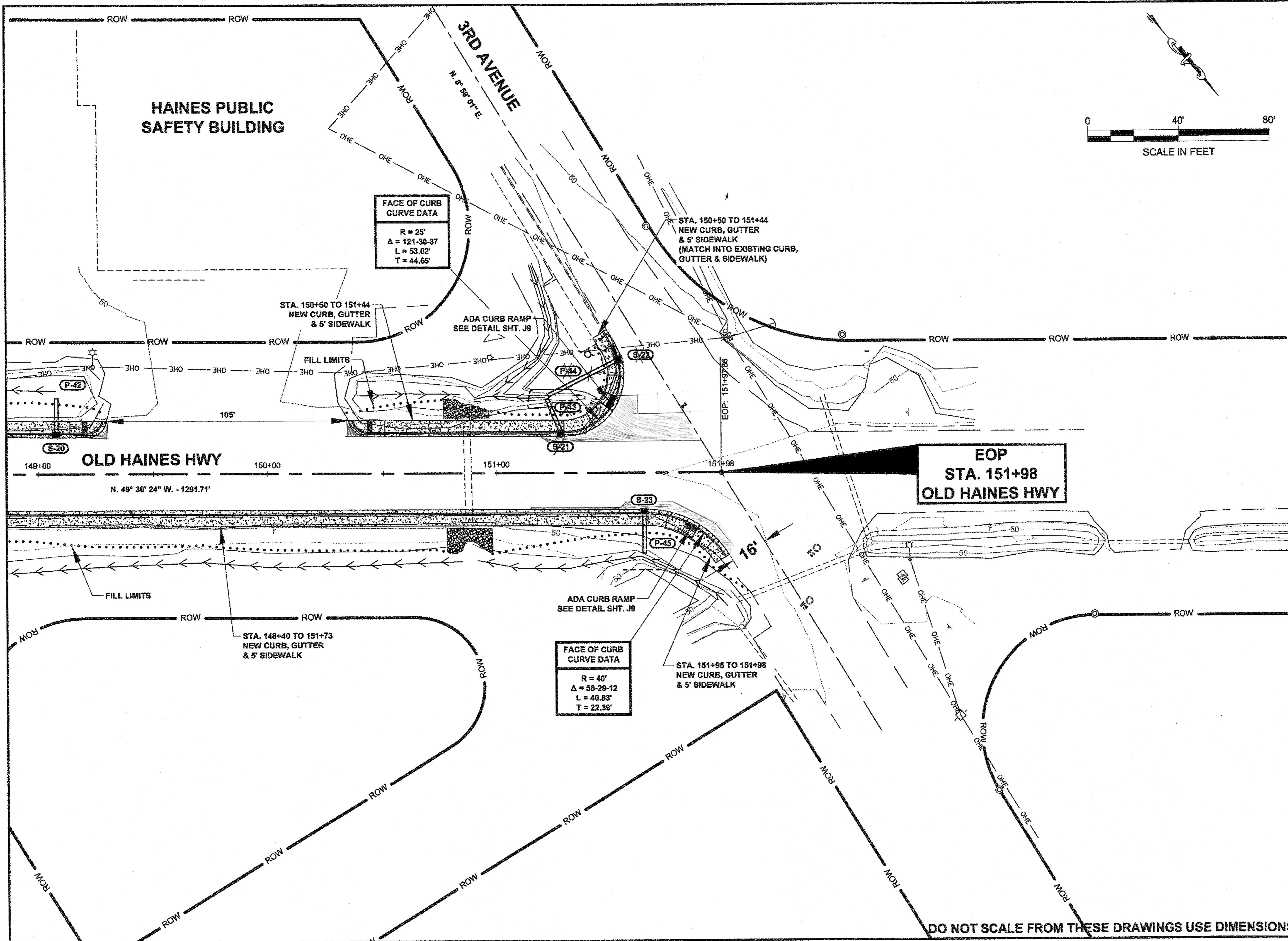
PROJECT DESIGNATION
69178

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F17	110

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

OB 1-13-14



PATH:Q:\HNS\69178\ENDDOUG'S
 PLANSET\69178_F_SHT.DWG

MULLINER, DOUGLAS J (DOT)
 TAB: F18 Monday, May 14, 2012 9:22:22 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PLAN

PLAN LEGEND

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
 49th
 KEITH KARPSTEIN
 CE-12904
 REGISTERED PROFESSIONAL ENGINEER
 5/21/12

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
 SIDEWALK CONSTRUCTION
 PROJECT #69178

PLAN VIEW

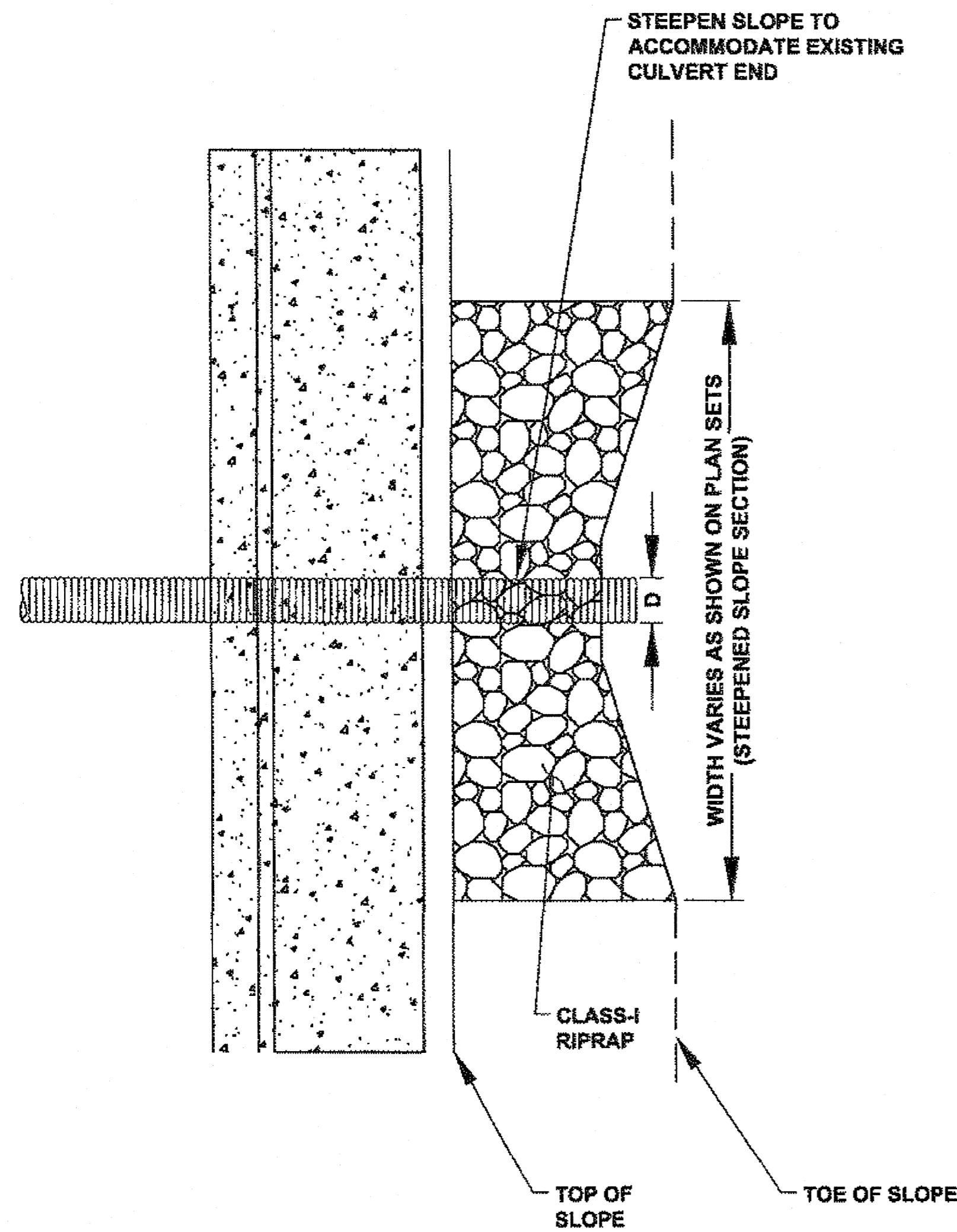
PROJECT DESIGNATION

69178

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F18	110

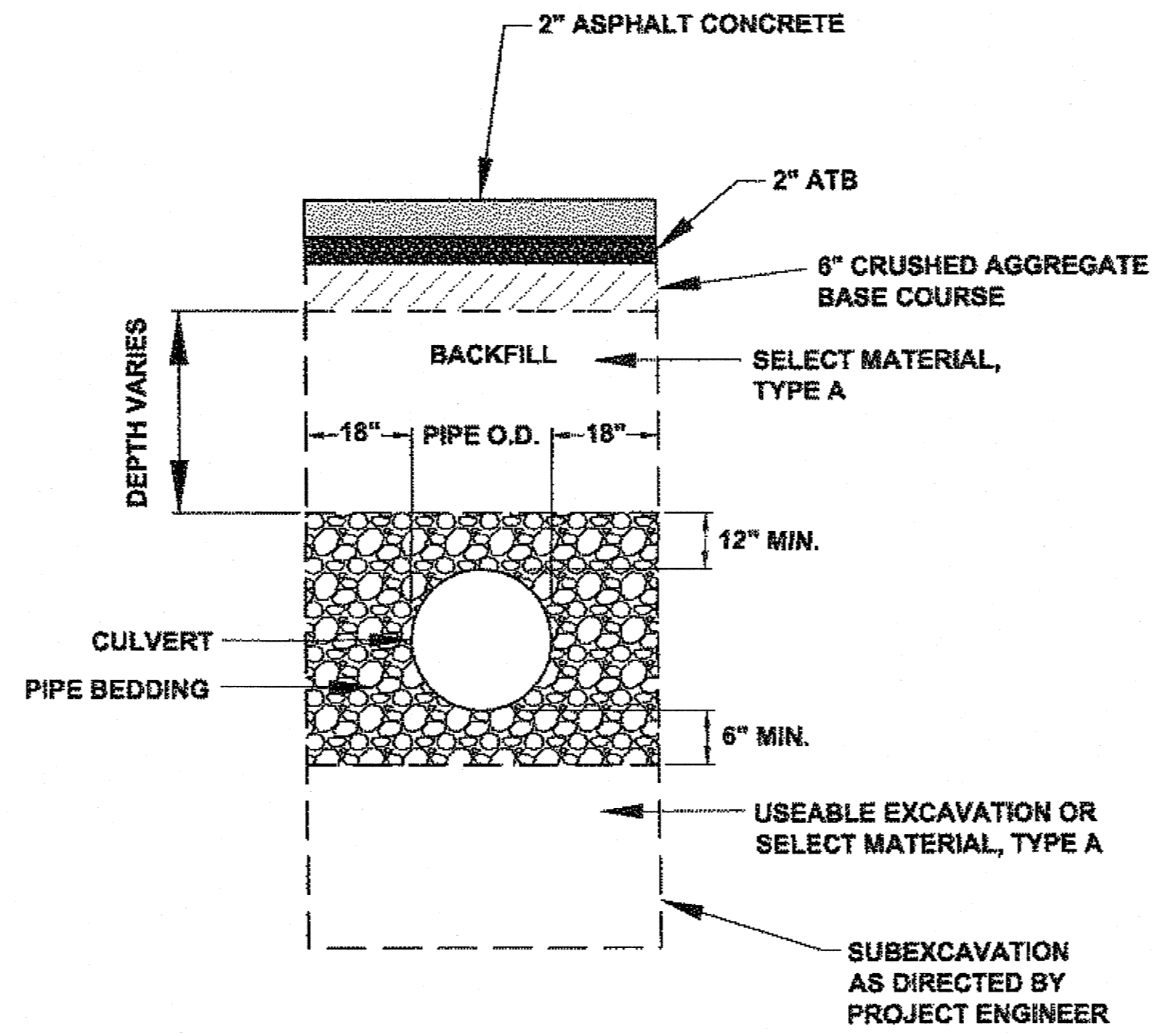
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

BS 1-13-14



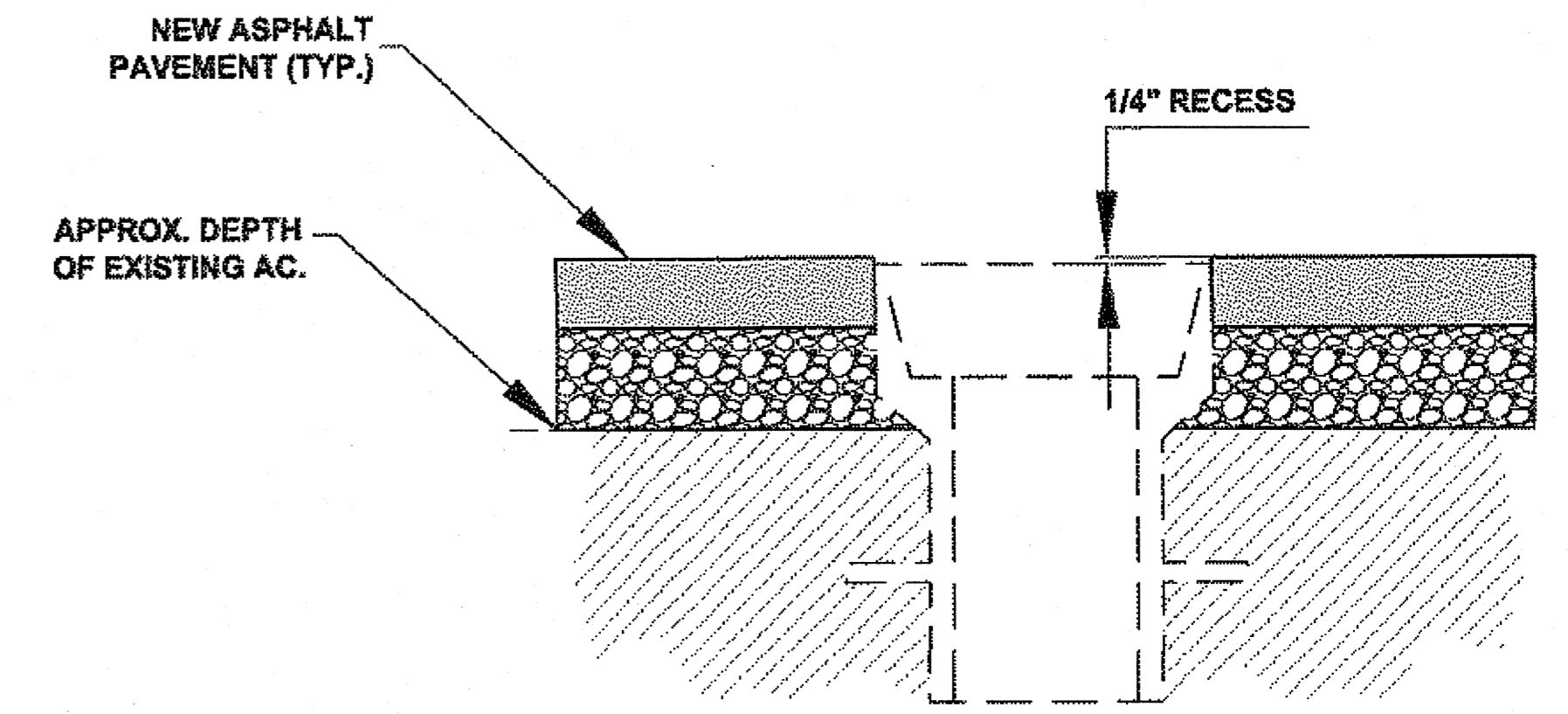
RIPRAP PLAN VIEW DETAIL

N.T.S.



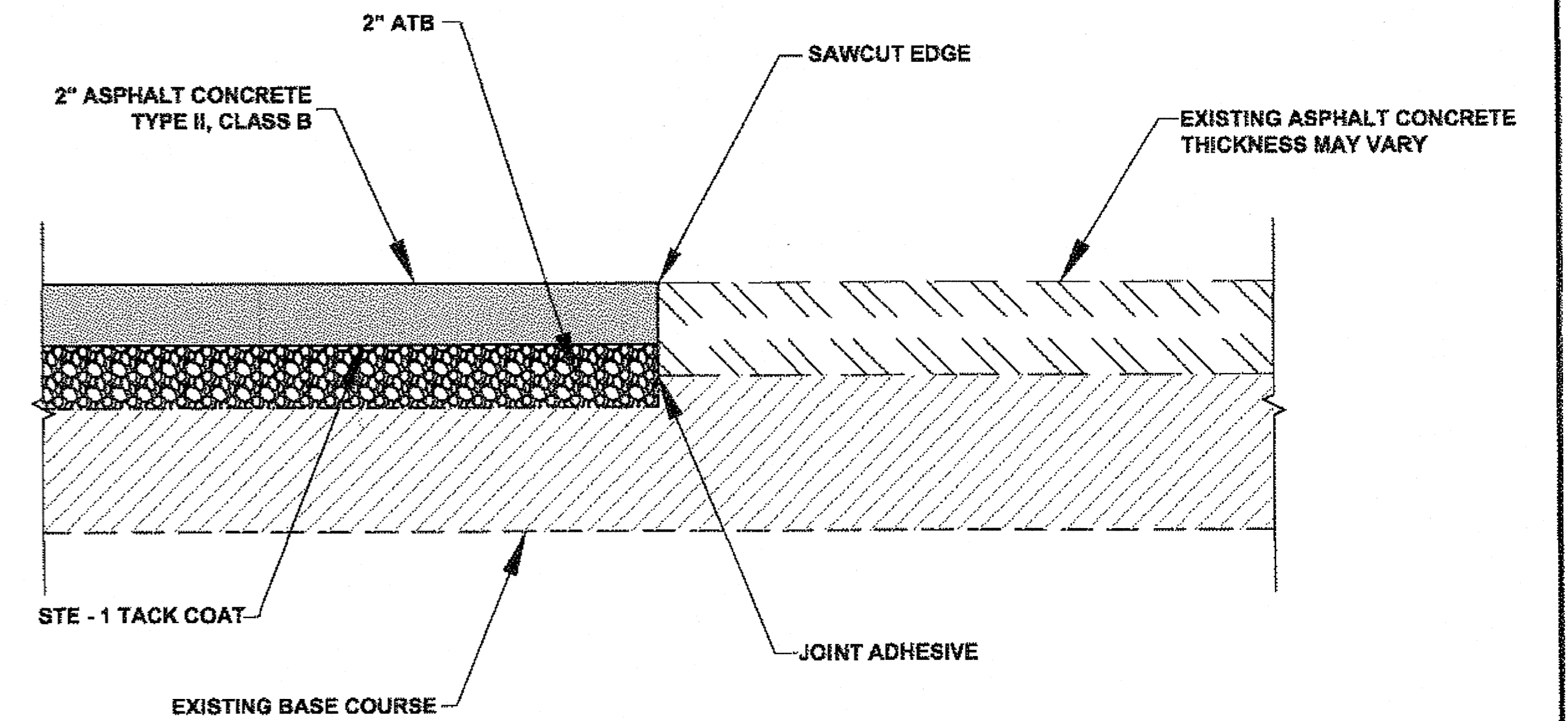
TYPICAL CULVERT BEDDING/BACKFILL SECTION

N.T.S.



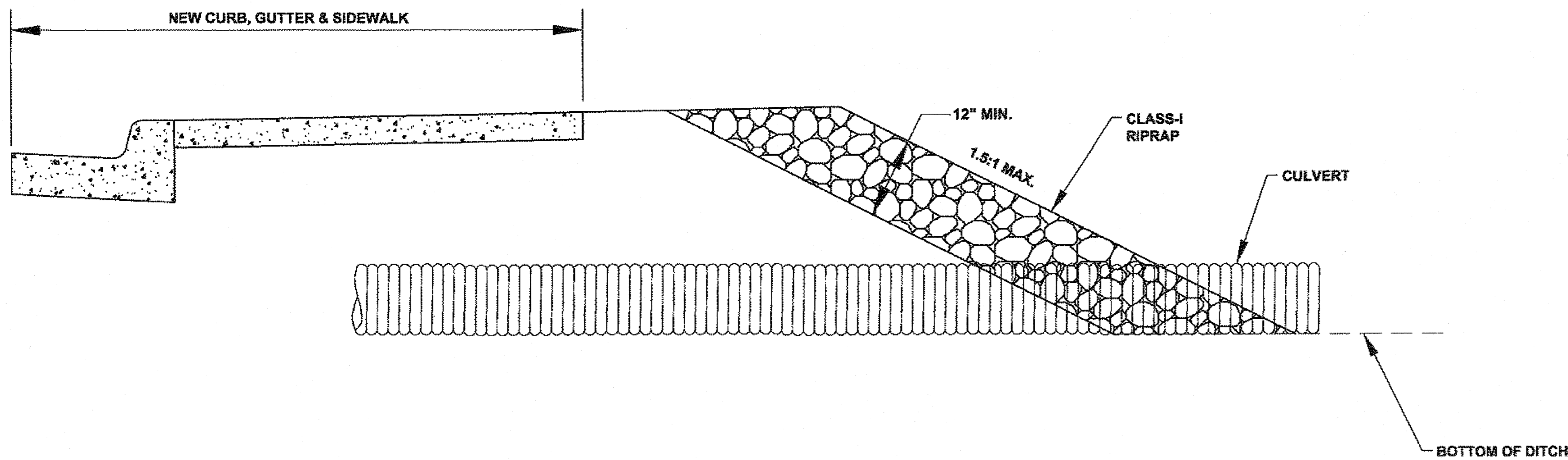
VALVE BOX ADJUSTMENT DETAIL

N.T.S.



MATCH JOINT DETAIL

N.T.S.



RIPRAP CROSS-SECTION DETAIL

N.T.S.

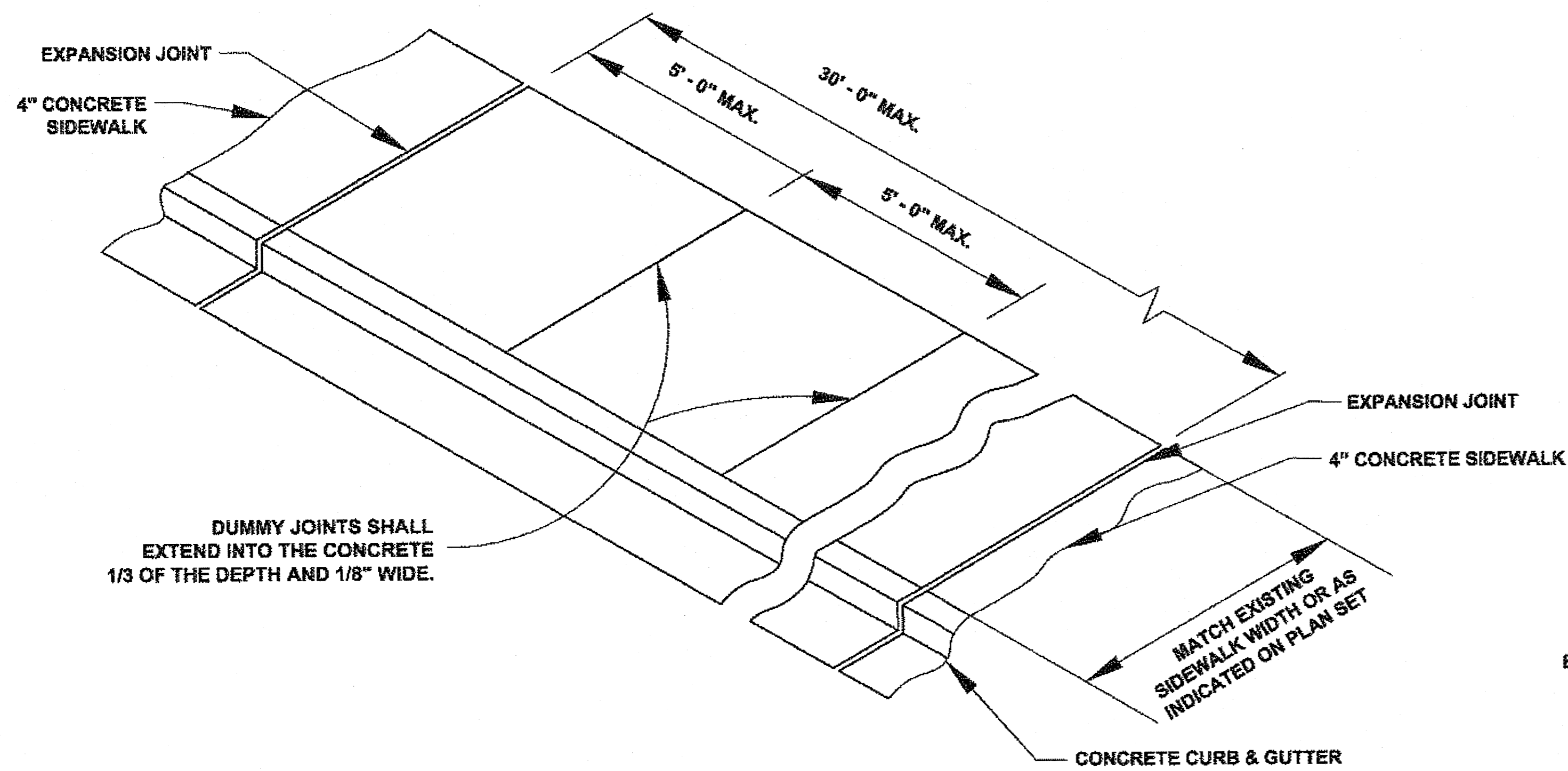
GENERAL NOTES:

1. 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 BY THE PROJECT ENGINEER.
2. NEW PIPE LENGTH SHALL MATCH EXISTING PIPE LENGTH UNLESS OTHERWISE DETAILED IN THESE PLANS OR AS DIRECTED BY THE PROJECT ENGINEER.

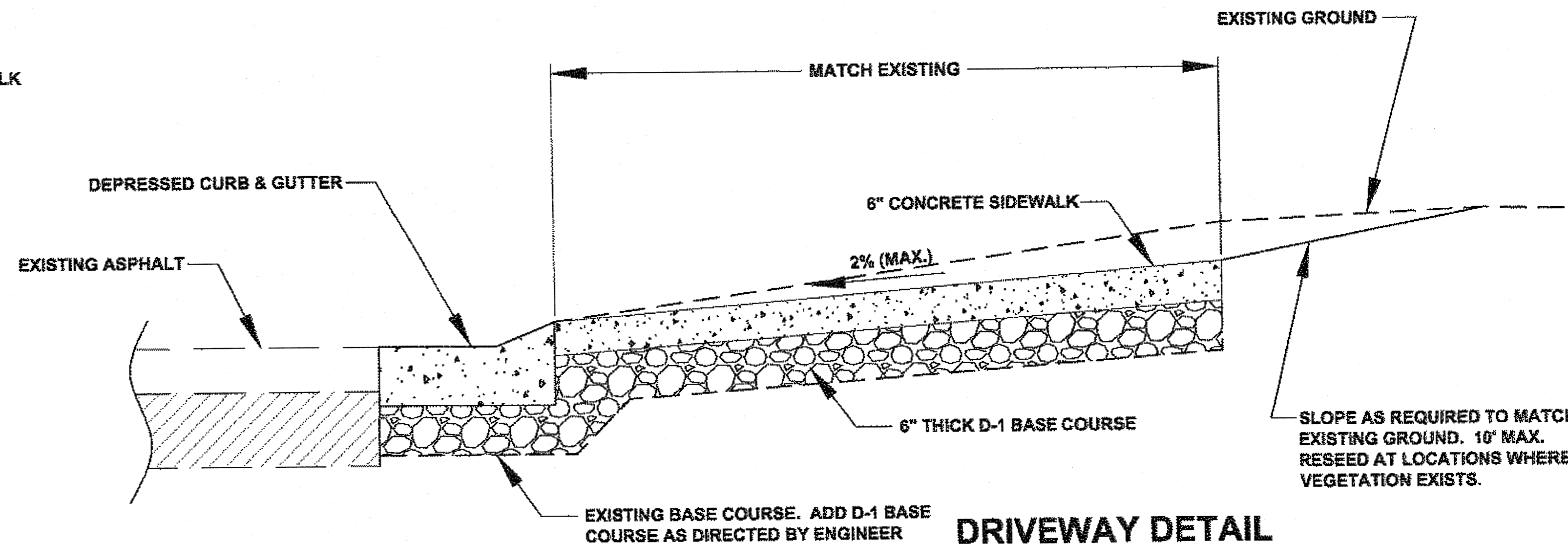
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		HNS: OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178	
PATH: Q:\HNS\69178\ENDOUIG'S PLANSET\69178_J_SHT.DWG TAB: J7 Monday, May 14, 2012 9:27:39 AM		MULLINER, DOUGLAS J. (DOT)	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69178	YEAR 2012
		SHEET NO. J7	TOTAL SHEETS 110

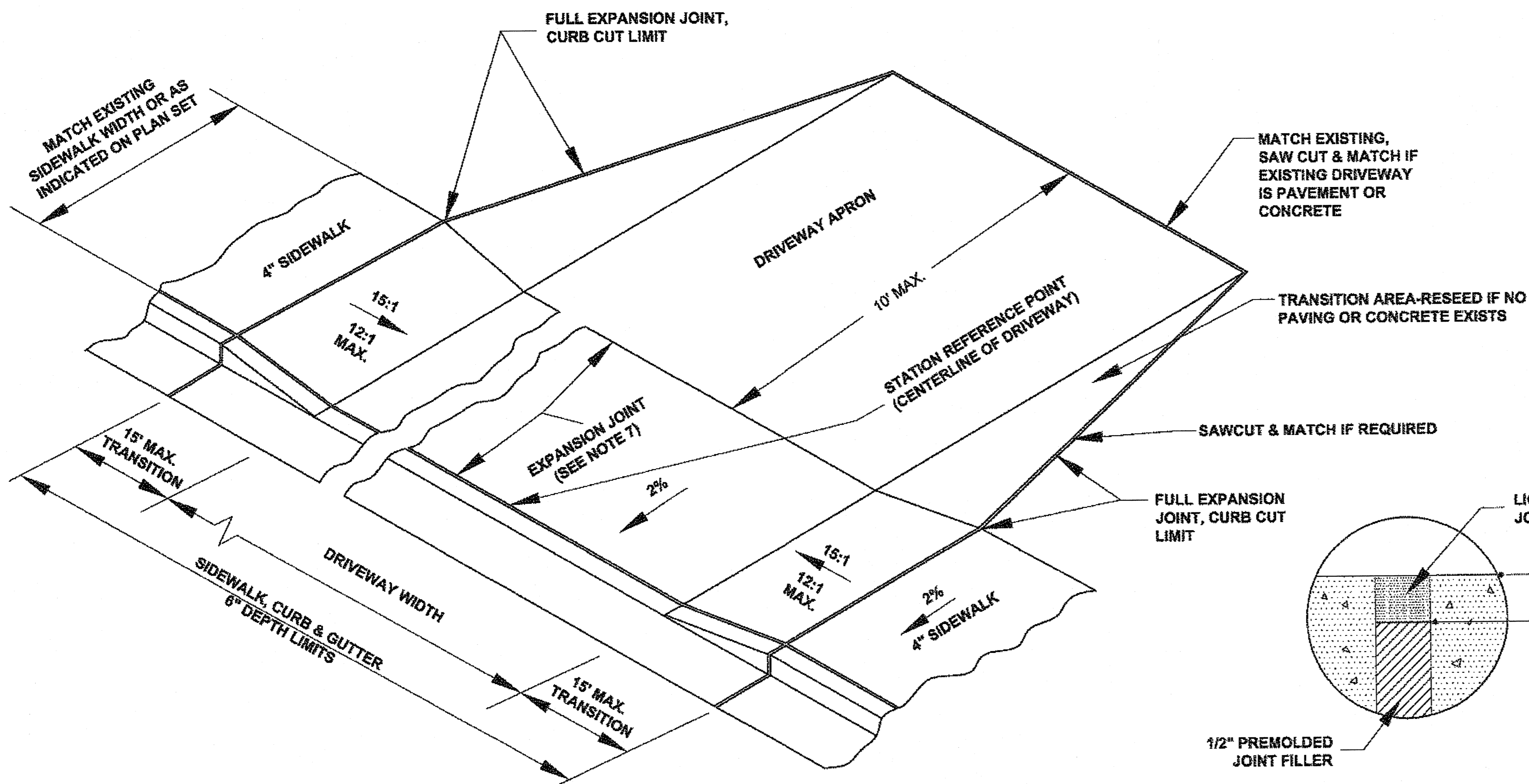
03 1-13-14



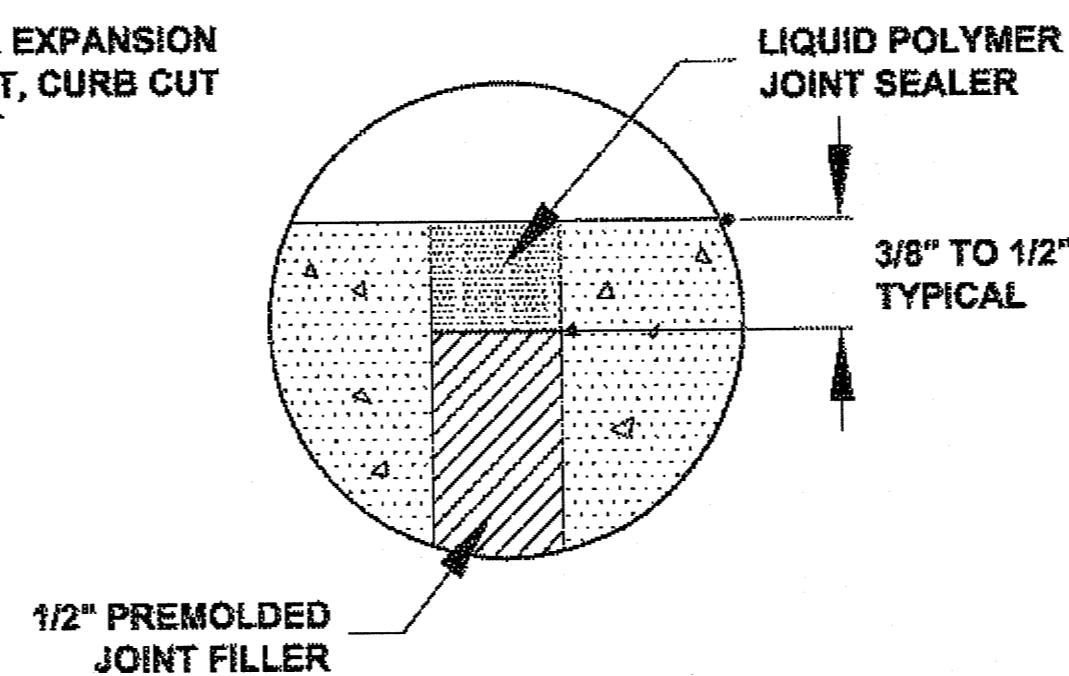
TYPICAL SIDEWALK, CURB & GUTTER DETAIL
N.T.S.



DRIVEWAY DETAIL
N.T.S.



DRIVEWAY RAMP DETAIL
N.T.S.



EXPANSION JOINT DETAIL
N.T.S.

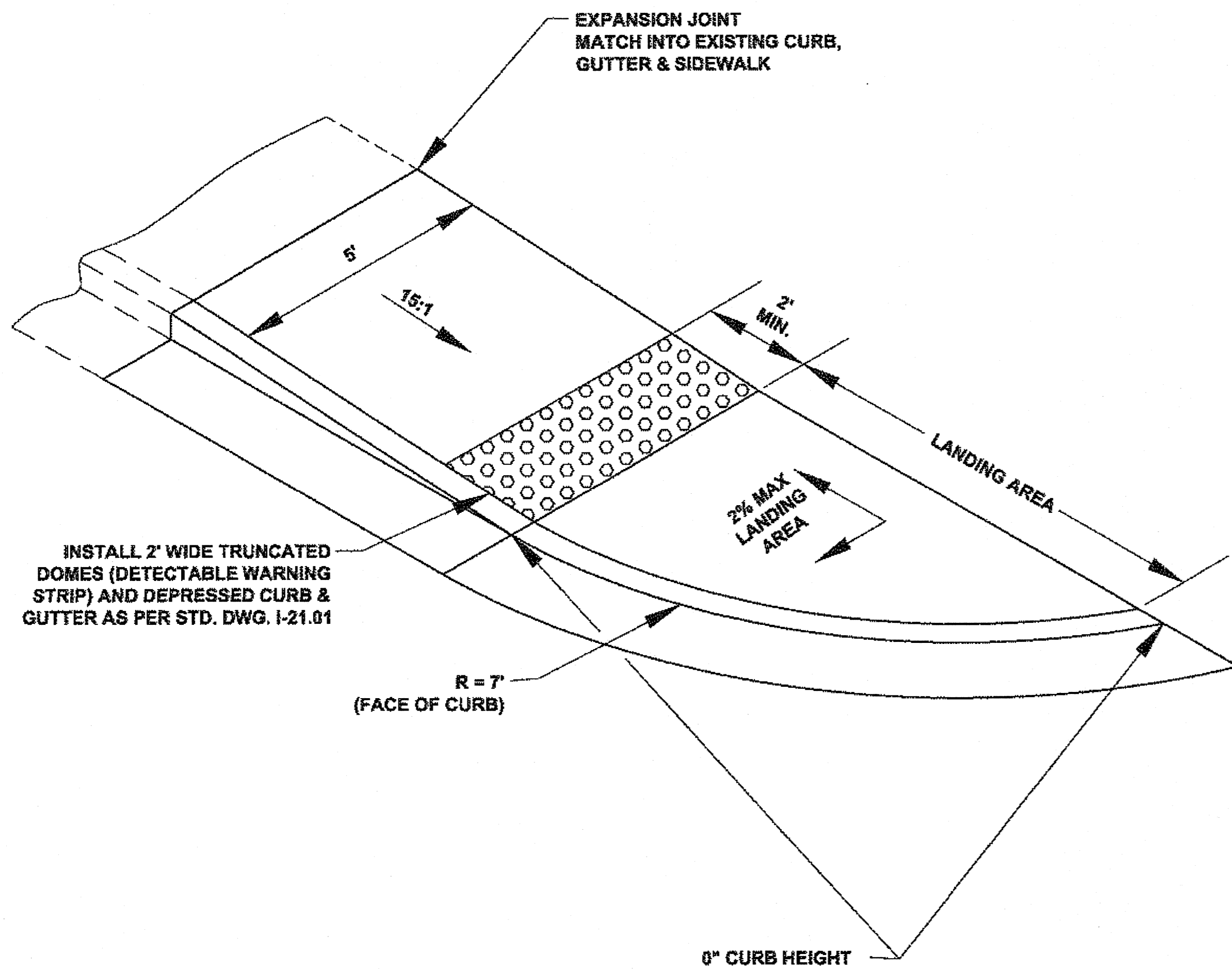
SIDEWALK, CURB & GUTTER NOTES

1. CONCRETE SIDEWALKS, CURB & GUTTER EXPANSION JOINTS SHALL BE PLACED IMMEDIATELY PRECEDING AND FOLLOWING ALL CURB AND SIDEWALK CUTS. THEREAFTER, THEY SHALL BE PLACED AT 30' MAXIMUM.
2. CONCRETE SIDEWALKS DUMMY JOINTS SHALL EXTEND INTO CONCRETE 1/3 THE DEPTH AND 1/8" WIDE AT 5' MAXIMUM INTERVALS BETWEEN EXPANSION JOINTS.
3. ALL JOINTS AND SEAMS SHALL BE EDGED.
4. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING ON ALL SURFACES.
5. CURING COMPOUND SHALL BE APPLIED TO THE CONCRETE. APPLICATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.
6. CURB AND GUTTER CONSTRUCTION SHALL MAINTAIN EXISTING FLOW LINE.
7. EXPANSION JOINT REQUIRED BETWEEN SIDEWALK AND DRIVEWAY, AND BETWEEN SIDEWALK AND CURB.
8. ALL CONCRETE WITHIN THE CURB CUT LIMITS FOR DRIVEWAYS SHALL BE 6" THICK AND SHALL BE POURED ON A 6" D-1 BASE COURSE COMPACTED TO 95% OF ITS MAXIMUM DENSITY.
9. FOR RAMPS, WHEN "CHASING GRADE", RAMP LENGTH NEED NOT EXCEED 15', BUT SLOPE MUST BE UNIFORM.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

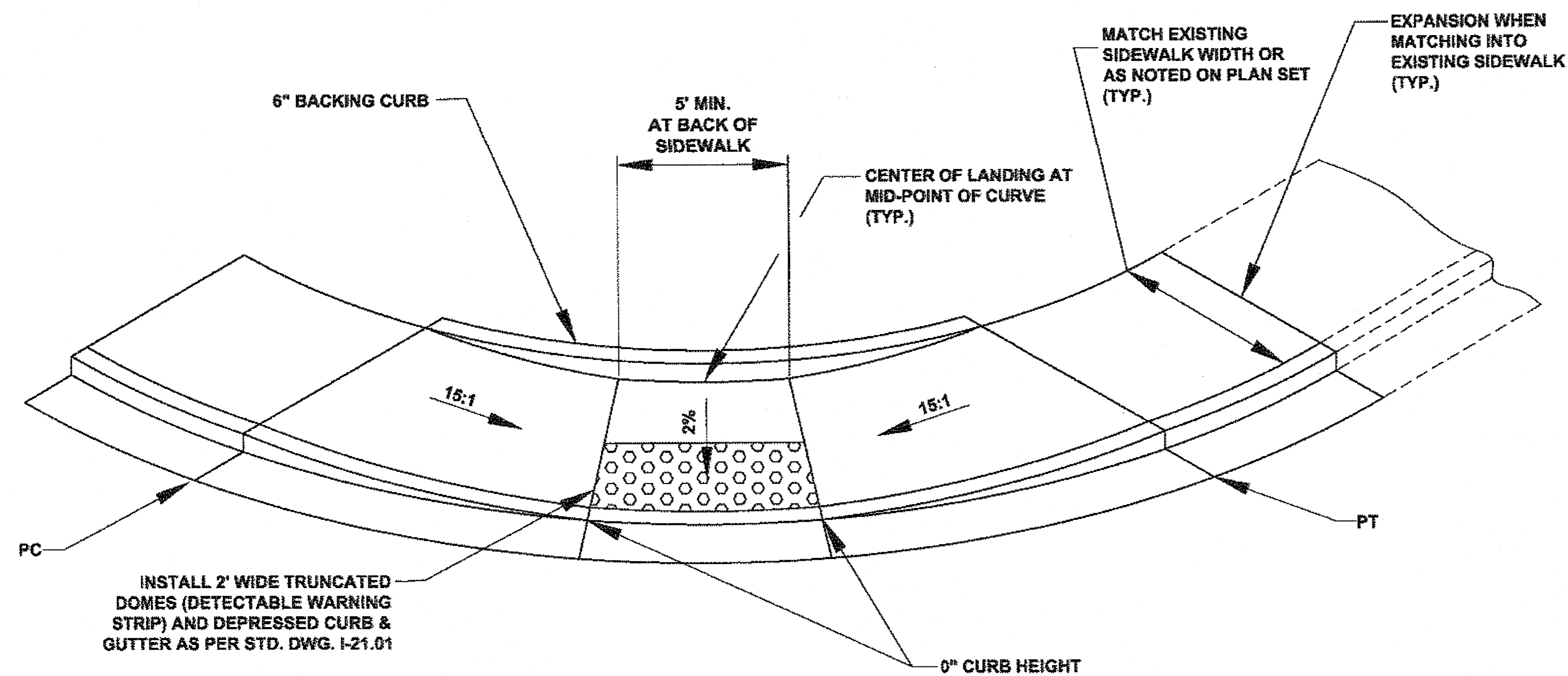
CHECKED BY: K. KARPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER		HNS: OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178	
DRAWN BY: D. MULLINER		MISC. DETAILS	
PATH: Q:\HNS\69178\ENDDOUG'S PLANSET\69178_J_SHT.DWG		MULLINER, DOUGLAS J (DOT)	
TAB: J8 Monday, May 14, 2012 9:27:51 AM		PROJECT DESIGNATION	YEAR
REVISIONS		69178	2012
NO.	DATE	DESCRIPTION	SHEET NO.
			J8
			TOTAL SHEETS
			110

BS 1-13-14



ONE WAY DIRECTIONAL CURB RAMP

N.T.S.



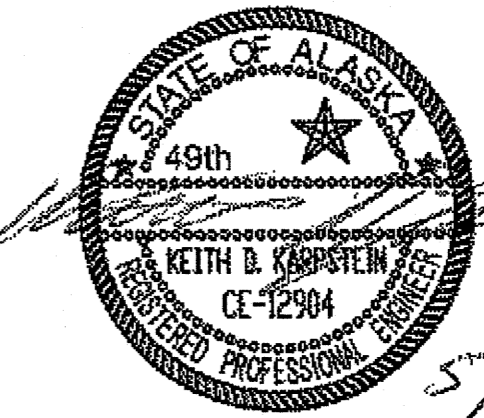
CURB RAMP DETAIL

N.T.S.

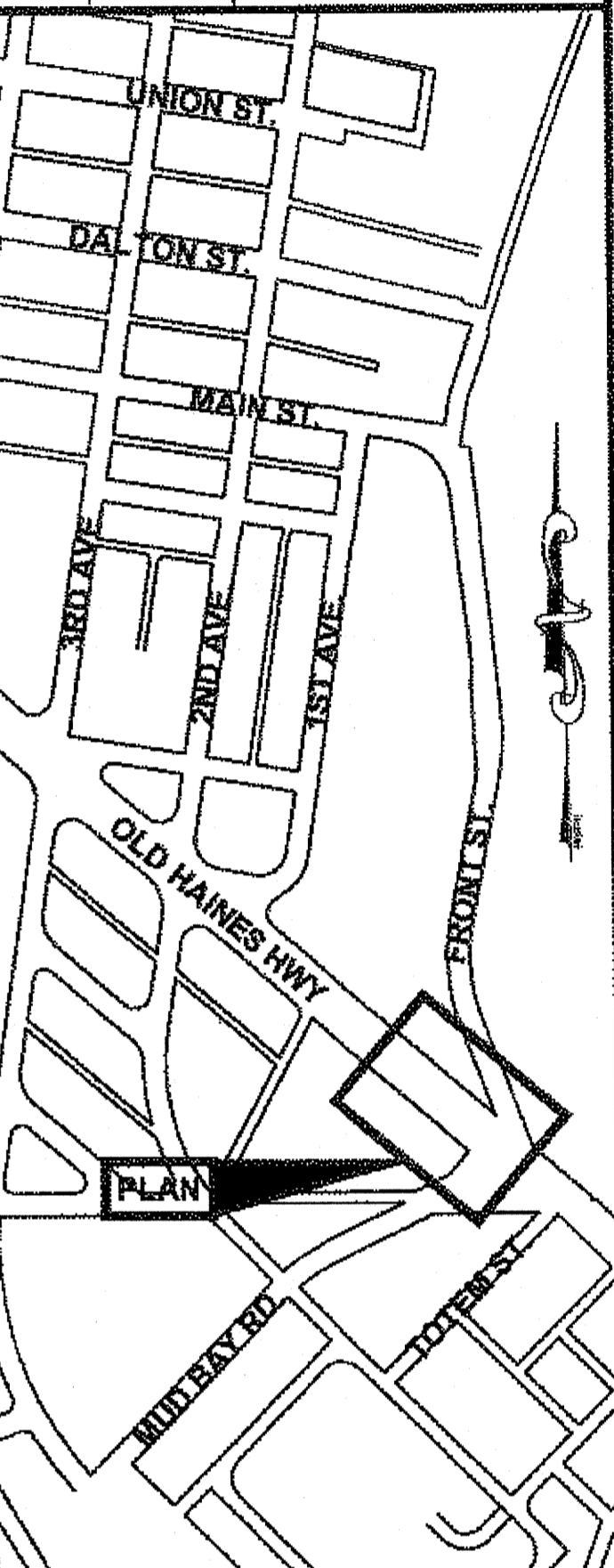
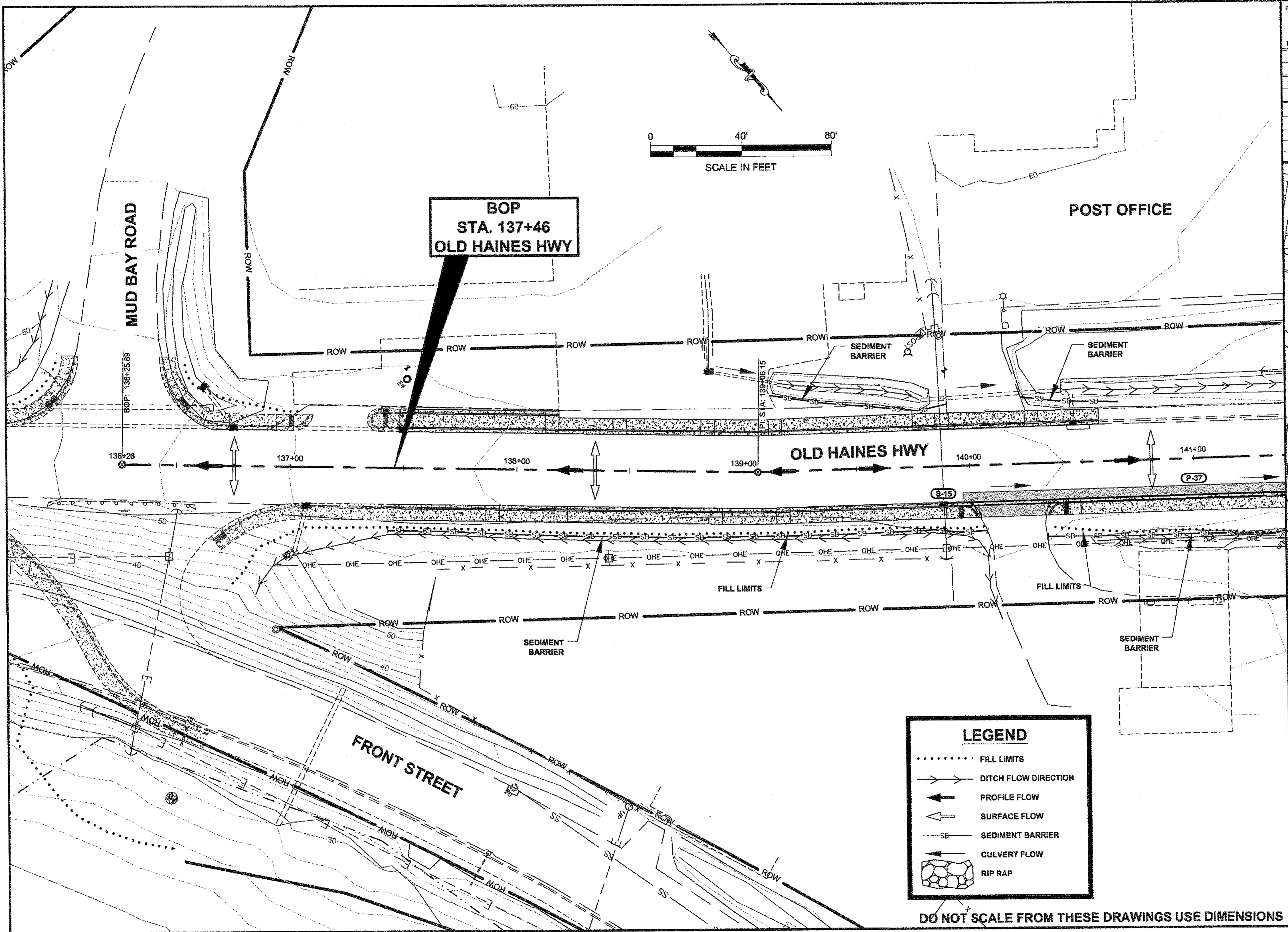
SIDEWALK, CURB & GUTTER NOTES

1. CONCRETE SIDEWALKS, CURB & GUTTER EXPANSION JOINTS SHALL BE AT EACH END OF CURB RETURNS AND IMMEDIATELY PRECEDING AND FOLLOWING ALL CURB CUTS. THEREAFTER, THEY SHALL BE PLACED AT 30' MAXIMUM.
2. FOR TEXTURE PATTERN DETAIL AND DIMENSIONS REFER TO AK STD. DRAWING I-21.01.
3. FOR RAMPS, WHEN "CHASING GRADE", RAMP LENGTH NEED NOT EXCEED 15', BUT SLOPE MUST BE UNIFORM.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

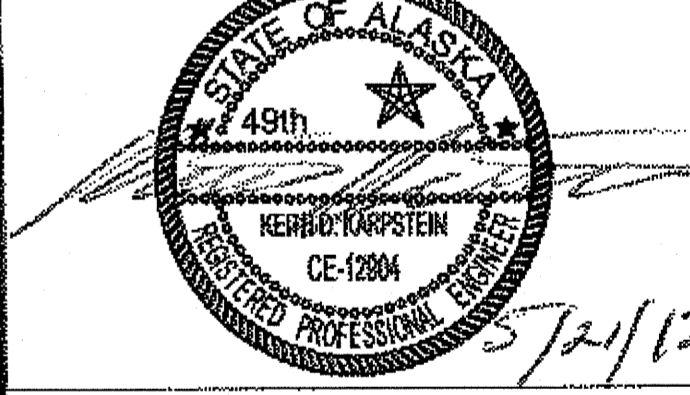
CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION																					
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		HNS: OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178																					
PATH: Q:\HNS\69178\EN\DOUG'S PLANSET\69178_J_SHT.DWG TAB: J9 Monday, May 14, 2012 9:28:26 AM		MISC. DETAILS MULLINER, DOUGLAS J (DOT)																					
<table border="1"> <thead> <tr> <th colspan="3">REVISIONS</th> <th rowspan="2">PROJECT DESIGNATION</th> <th rowspan="2">YEAR</th> <th rowspan="2">SHEET NO.</th> <th rowspan="2">TOTAL SHEETS</th> </tr> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td rowspan="2">69178</td> <td rowspan="2">2012</td> <td rowspan="2">J9</td> <td rowspan="2">110</td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>		REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS	NO.	DATE	DESCRIPTION				69178	2012	J9	110					
REVISIONS			PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS													
NO.	DATE	DESCRIPTION																					
			69178	2012	J9	110																	

B 1-13-14



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
 SIDEWALK CONSTRUCTION
 PROJECT #69178

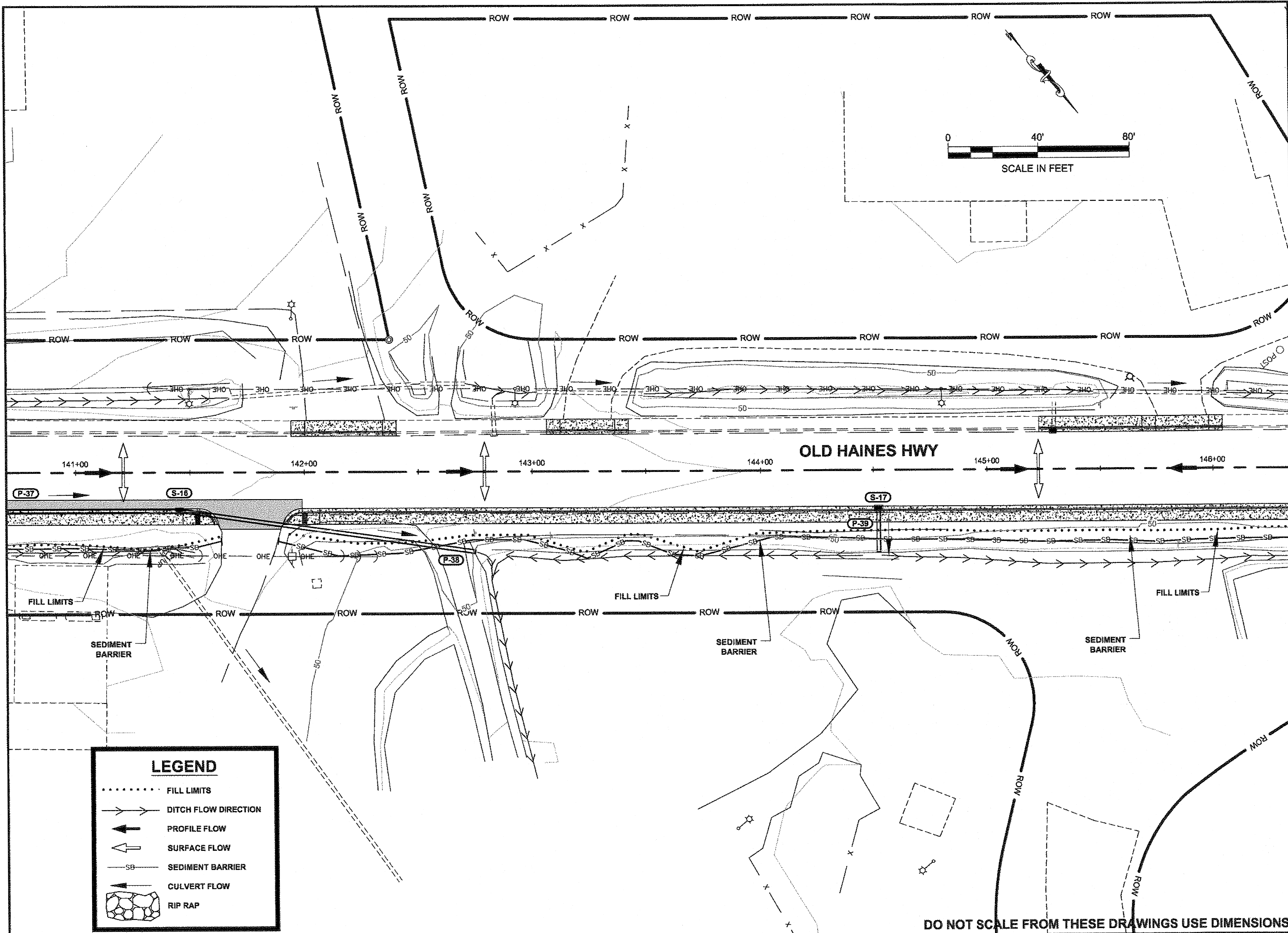
**EROSION &
 SEDIMENT
 CONTROL PLAN**

PROJECT DESIGNATION

69178	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P14	110

LEGEND	
.....	FILL LIMITS
→	DITCH FLOW DIRECTION
←	PROFILE FLOW
⇐	SURFACE FLOW
— SB —	SEDIMENT BARRIER
⇐	CULVERT FLOW
⬢	RIP RAP

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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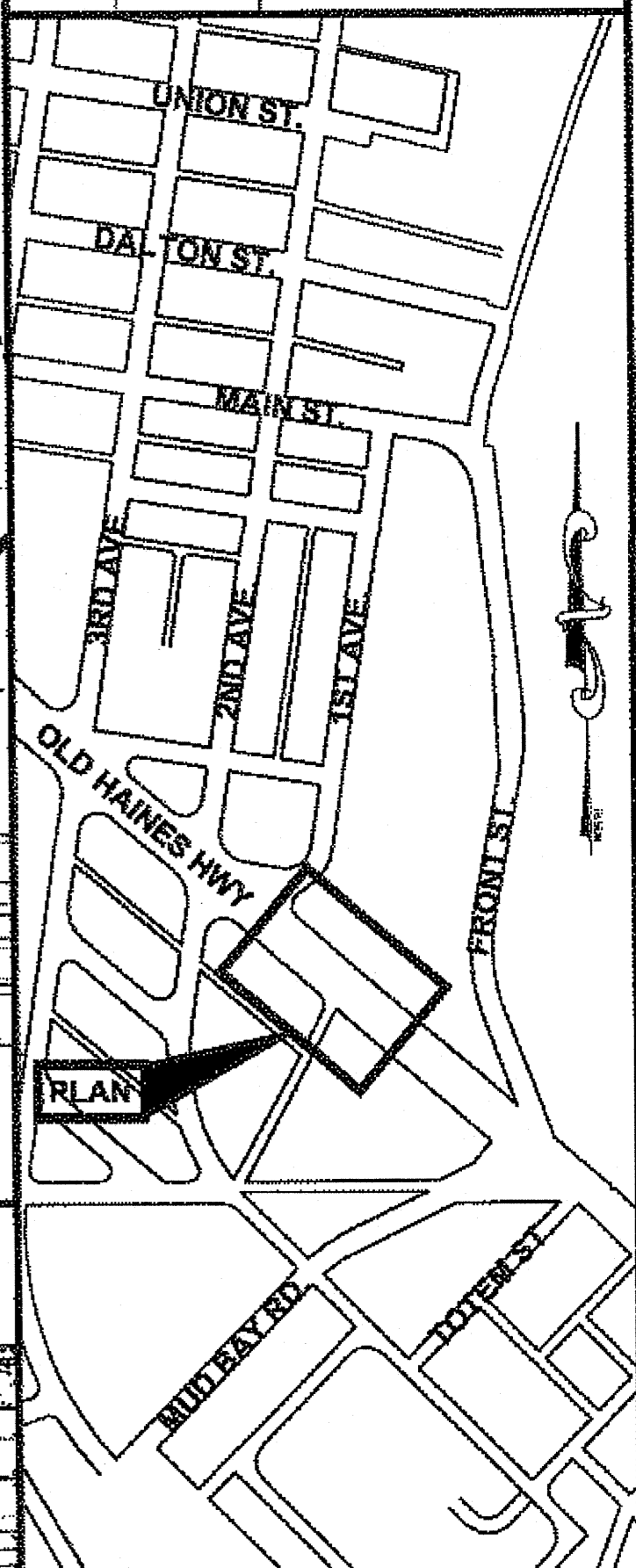
MULLINER, DOUGLAS J (DOT)
 TAB: P15 Monday, May 14, 2012 9:29:38 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

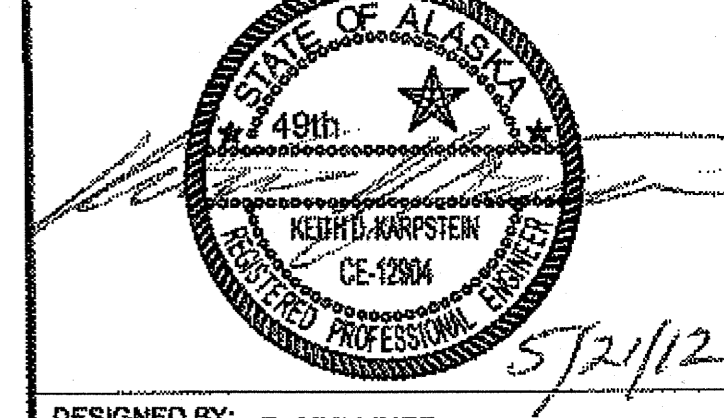
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

**HNS-OLD HAINES HIGHWAY
 SIDEWALK CONSTRUCTION
 PROJECT #69178
 EROSION &
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PROJECT DESIGNATION
69178

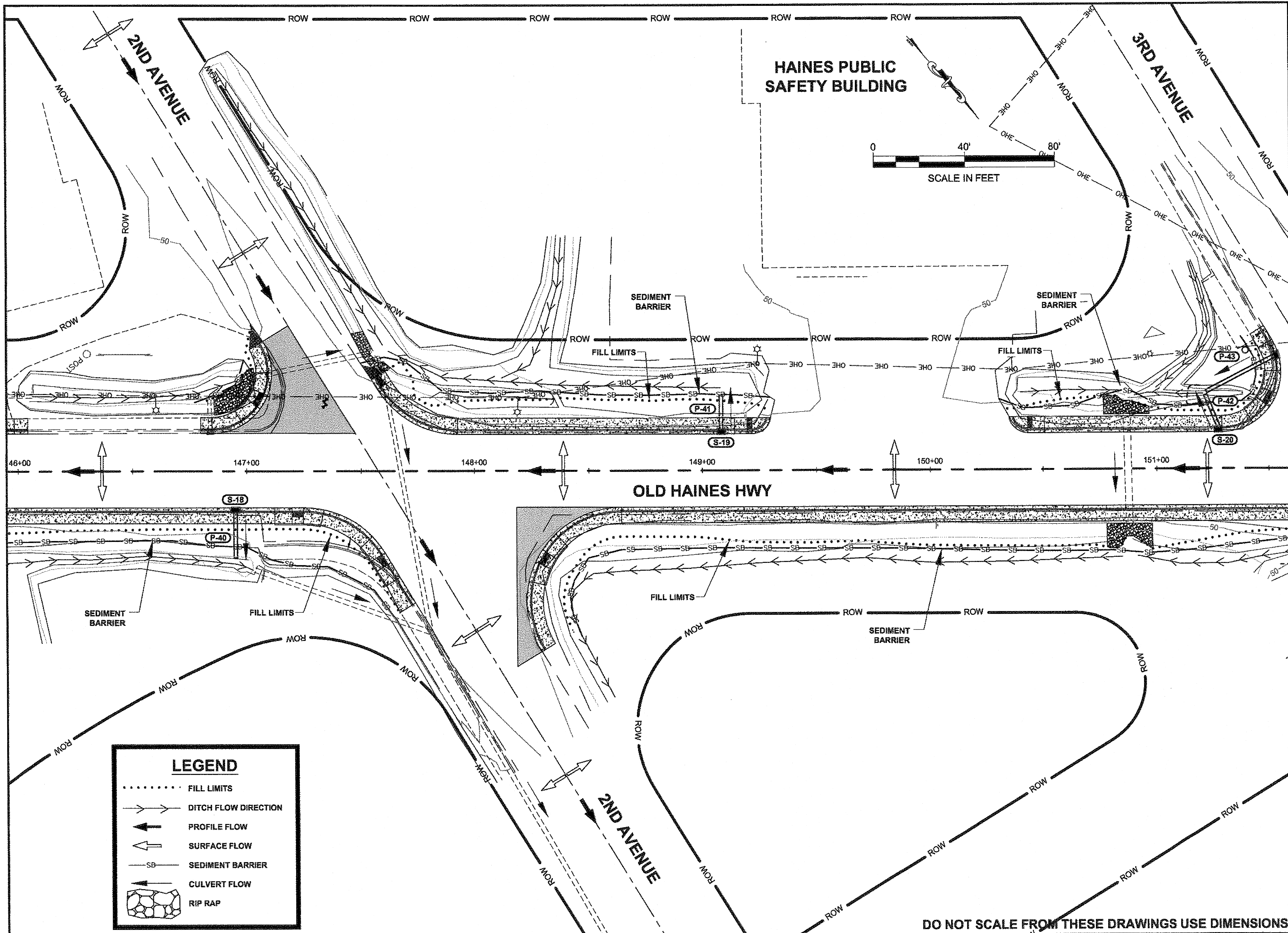
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P15	110

LEGEND

- FILL LIMITS
- DITCH FLOW DIRECTION
- ← PROFILE FLOW
- ← SURFACE FLOW
- SB — SEDIMENT BARRIER
- ← CULVERT FLOW
- ⊞ RIP RAP

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

B 1-13-14

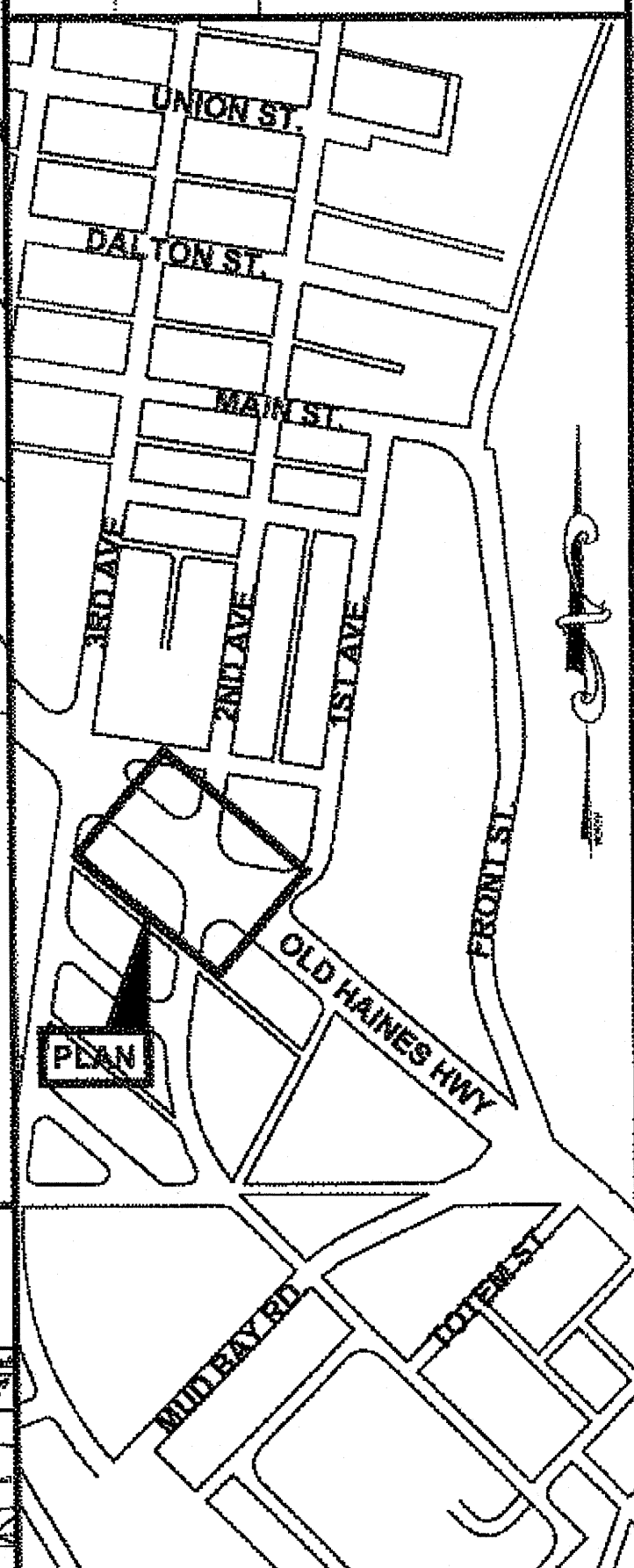


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MULLINER, DOUGLAS J (DOT)
 TAB: P16 Monday, May 14, 2012 9:29:58 AM

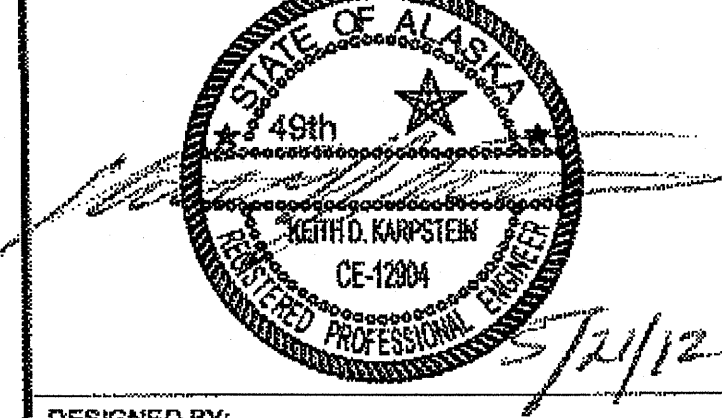
ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-OLD HAINESS HIGHWAY
 SIDEWALK CONSTRUCTION
 PROJECT #69178
**EROSION &
 SEDIMENT
 CONTROL PLAN**

PROJECT DESIGNATION
69178

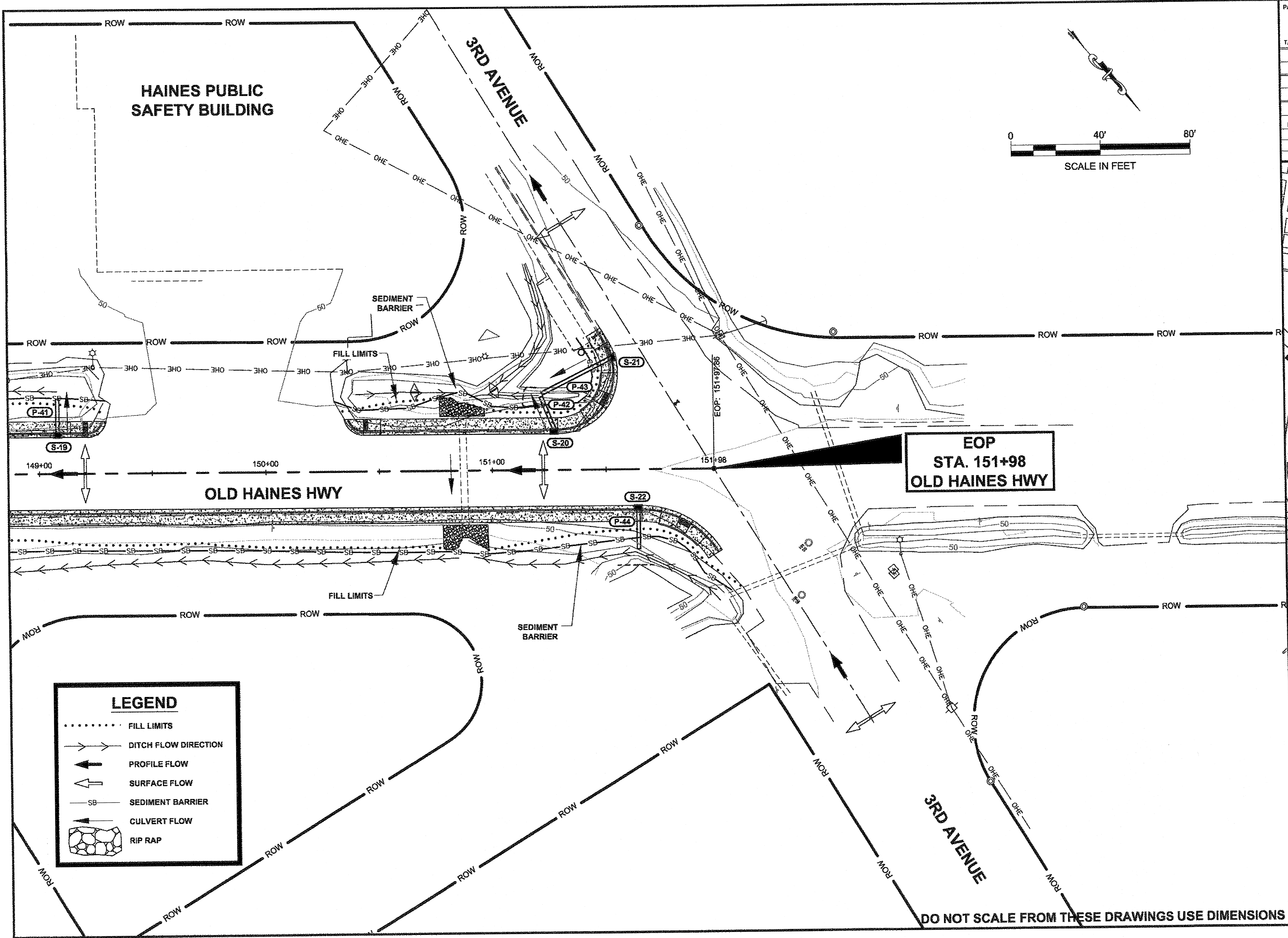
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
P16	110

LEGEND	
.....	FILL LIMITS
→	DITCH FLOW DIRECTION
←	PROFILE FLOW
←	SURFACE FLOW
—SB—	SEDIMENT BARRIER
←	CULVERT FLOW
⬢	RIP RAP

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B 1-13-14



LEGEND

- FILL LIMITS
- DITCH FLOW DIRECTION
- ← PROFILE FLOW
- ← SURFACE FLOW
- SB — SEDIMENT BARRIER
- ← CULVERT FLOW
- ▒ RIP RAP

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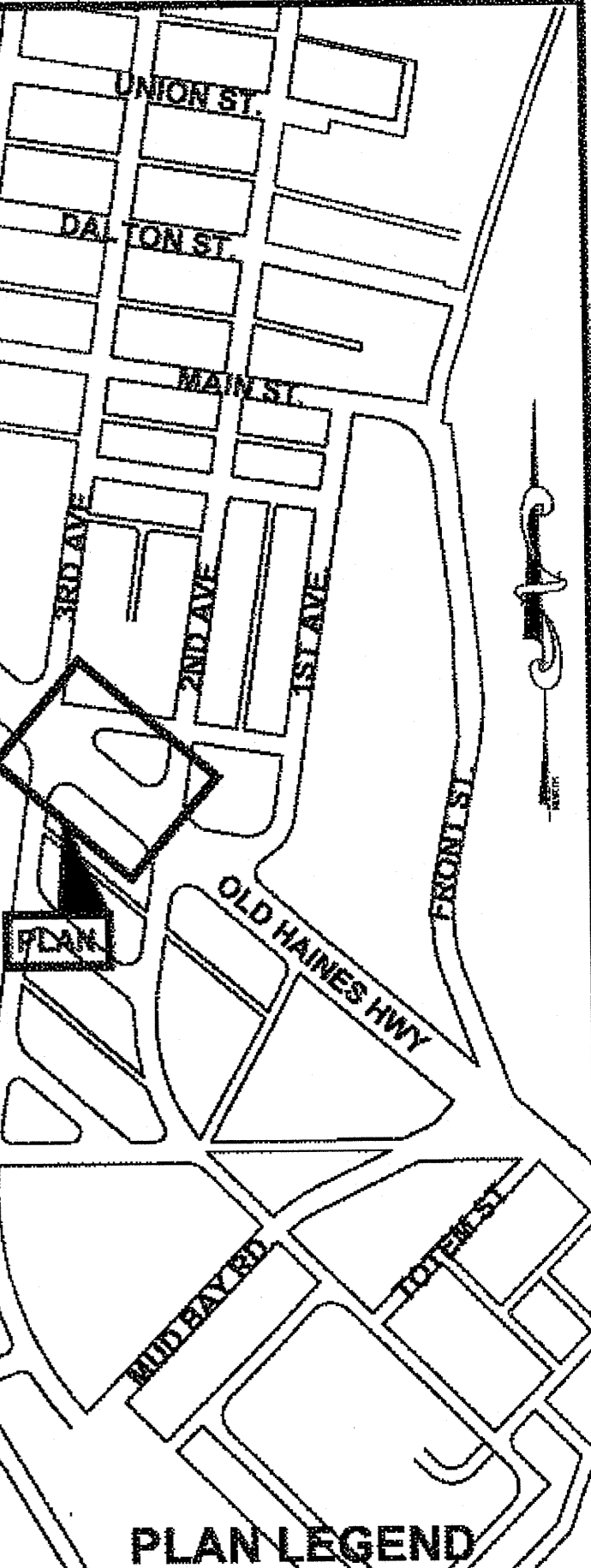
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 TAB: P17 Monday, May 14, 2012 9:30:17 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
 SIDEWALK CONSTRUCTION
 PROJECT #69178

**EROSION &
 SEDIMENT
 CONTROL PLAN**

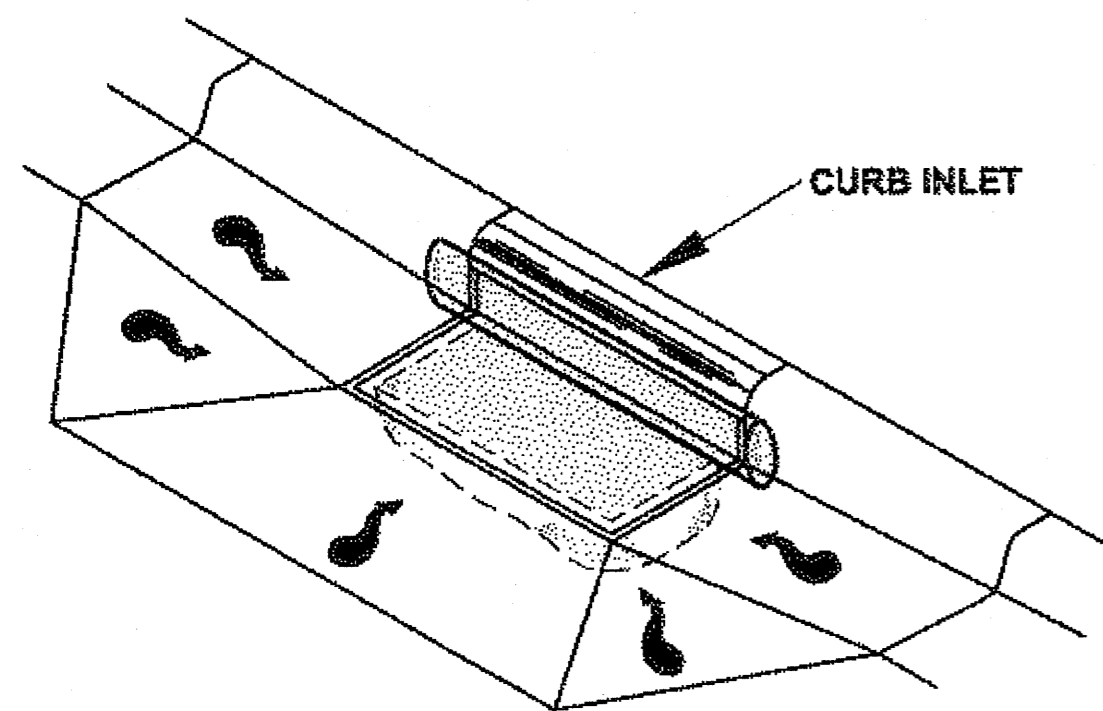
PROJECT DESIGNATION

69178

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P17	110

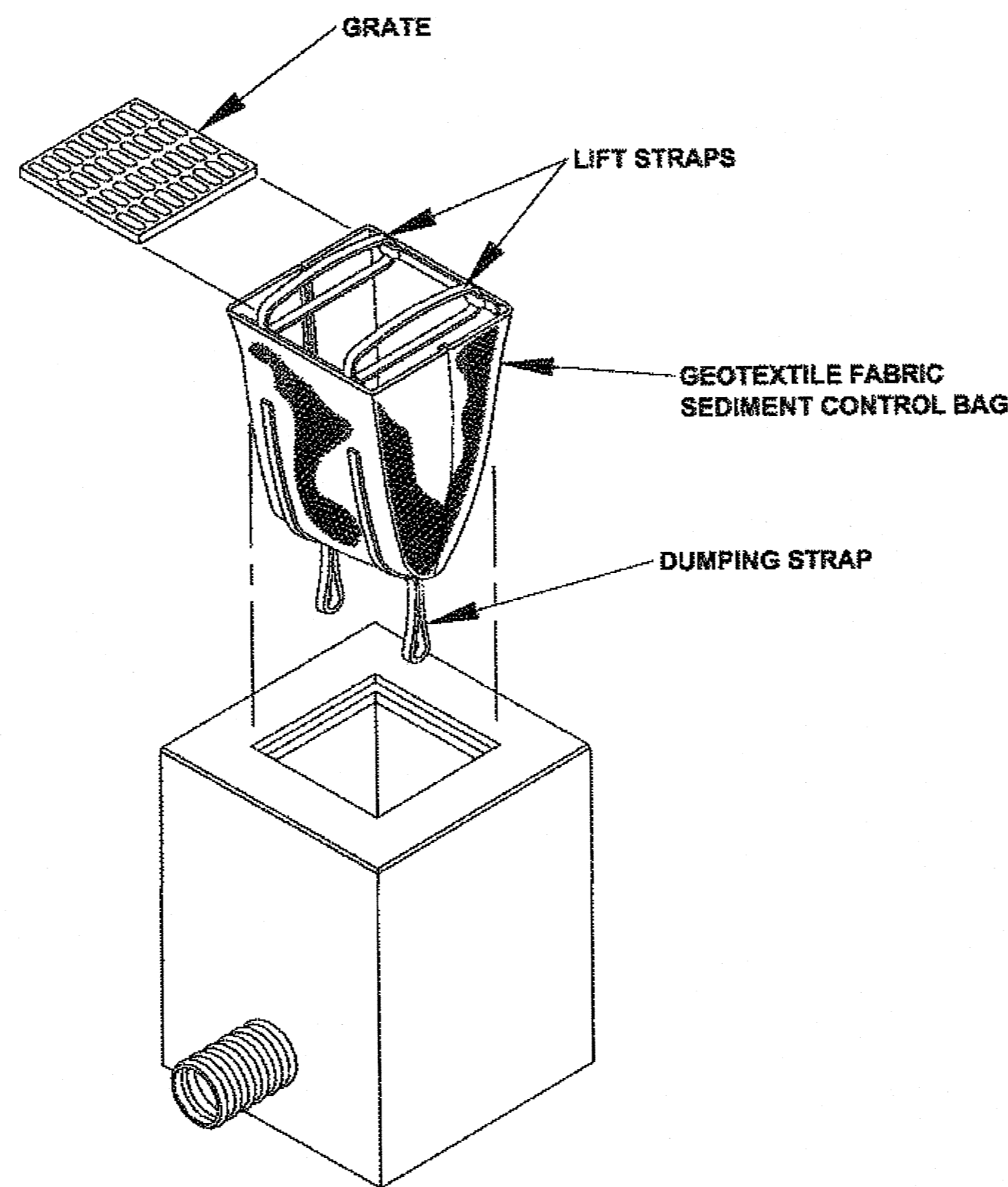
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B 113-14



INLET PROTECTION DETAIL

N.T.S.



INLET PROTECTION DETAIL

N.T.S.

INLET PROTECTION INSTALLATION AND MAINTENANCE

1. INSTALLATION: REMOVE THE GRATE FROM CATCH BASIN. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE SEDIMENT BAG SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.
2. MAINTENANCE: REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE SEDIMENT BAG. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.
3. INSTALL INLET PROTECTION AT LOCATIONS PRIOR TO EARTH DISTURBING ACTIVITIES AND COLD PLANING.

EROSION & SEDIMENT CONTROL NOTES:

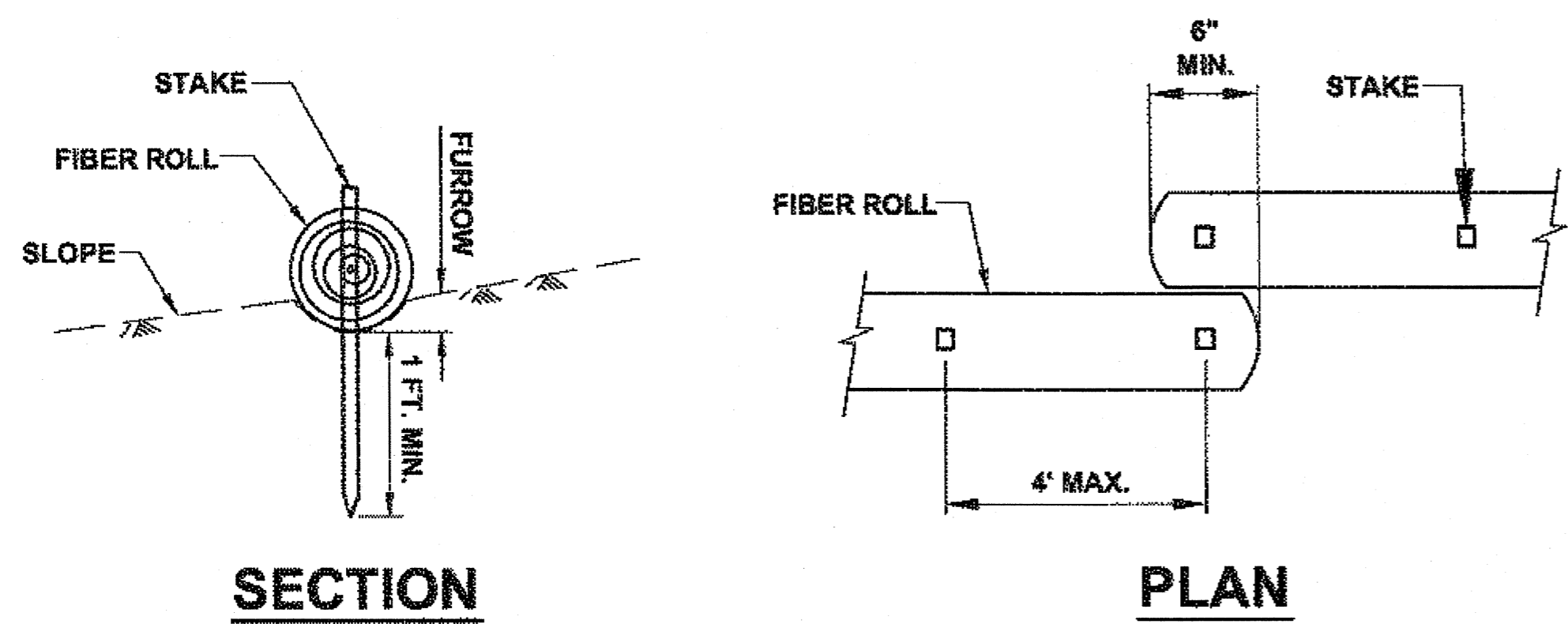
1. REFER TO APPENDIX B OF THE CONTRACT DOCUMENTS FOR THE ENVIRONMENTAL COMMITMENTS.
2. THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION 641 OF THE SPECS.
3. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING EARTH DISTURBING ACTIVITIES AND COLD PLANING OR AS SPECIFIED ELSEWHERE.
4. IF INSPECTION REVEALS SEDIMENT IS DISCHARGED BEYOND THE PROJECT WORK LIMITS. IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. ADDITIONAL BMP'S MAY BE REQUIRED.

CURB INLET PROTECTION TABLE		
STATION	OFFSET	REMARKS
136+75	LT	PROJECT # 69316
137+07	RT	PROJECT # 69316
137+42	LT	PROJECT # 69316
139+87	RT	S-15
140+46	LT	
141+45	RT	S-16
142+84	LT	
144+52	RT	S-17
145+29	LT	
146+84	LT	
147+07	RT	S-18
149+08	LT	S-19
151+27	LT	S-20
151+54	LT	S-21
151+64	RT	S-22

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CHECKED BY: K. KARPSTEIN 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER DRAWN BY: D. MULLINER		HNS-OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178	
PATH: Q:\HNS\69178\ENDDUG'S PLANSET\69178_P18-P19_SHT.DWG TAB: P18 Monday, May 14, 2012 9:31:13 AM		EROSION & SEDIMENT CONTROL DETAILS	
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 69178	YEAR 2012
		SHEET NO. P18	TOTAL SHEETS 110

BS 1-13-14

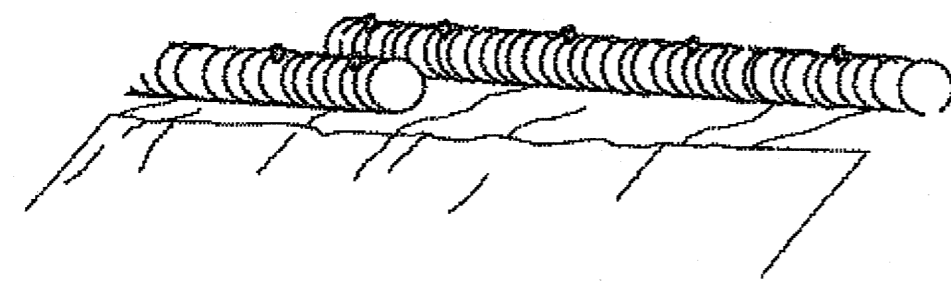


SECTION

PLAN

FIBER ROLL (TYPE 1)

N.T.S.



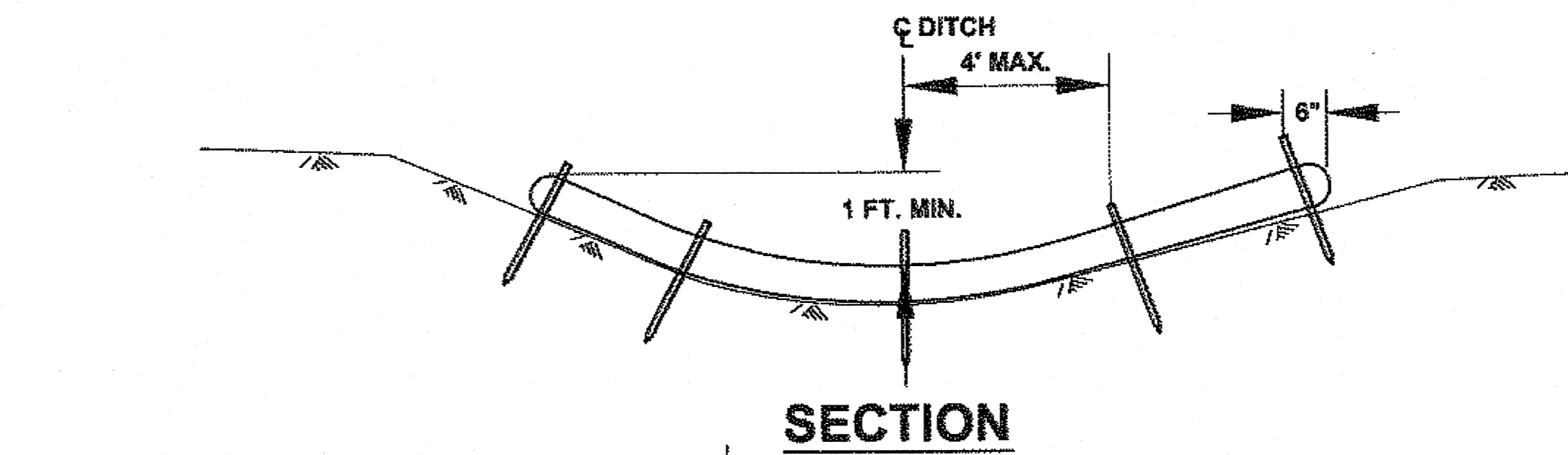
PERSPECTIVE

FIBER ROLL (TYPE 1)

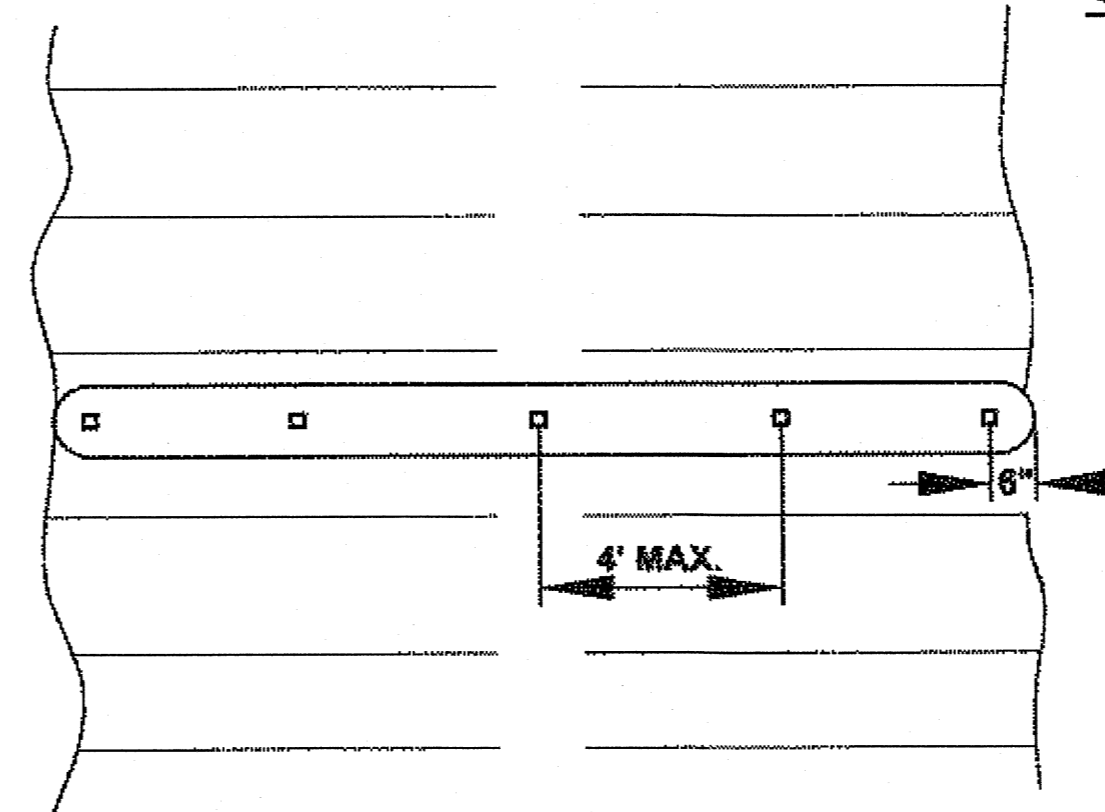
N.T.S.

NOTES:

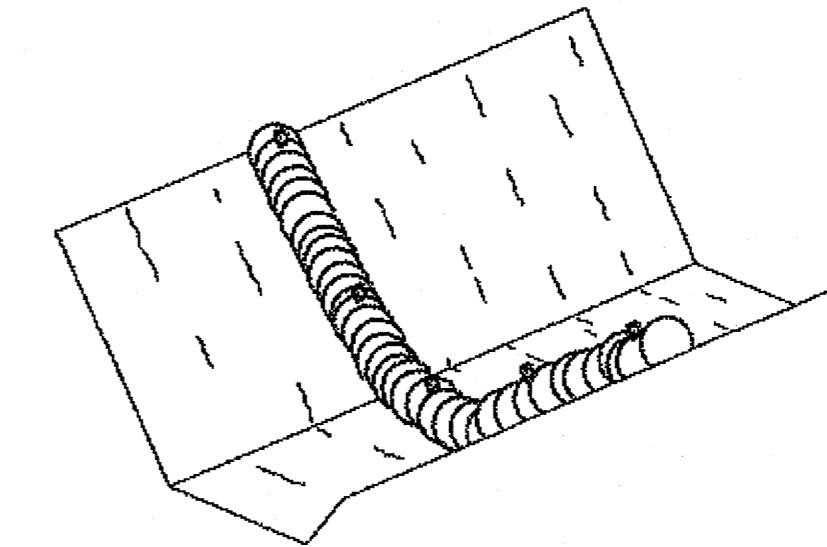
1. THE LOCATION AND LENGTH OF FIBER ROLLS IS DEPENDENT ON THE CONDITION OF THE SITE.
2. LAP ADJACENT FIBER ROLLS TO PREVENT SEDIMENT BYPASS.
3. ANCHOR AS NECESSARY TO FIRMLY SECURE FIBER ROLLS AND PROVIDE CONTINUOUS CONTACT WITH THE SURFACE ON WHICH IT IS INSTALLED.



SECTION



PLAN

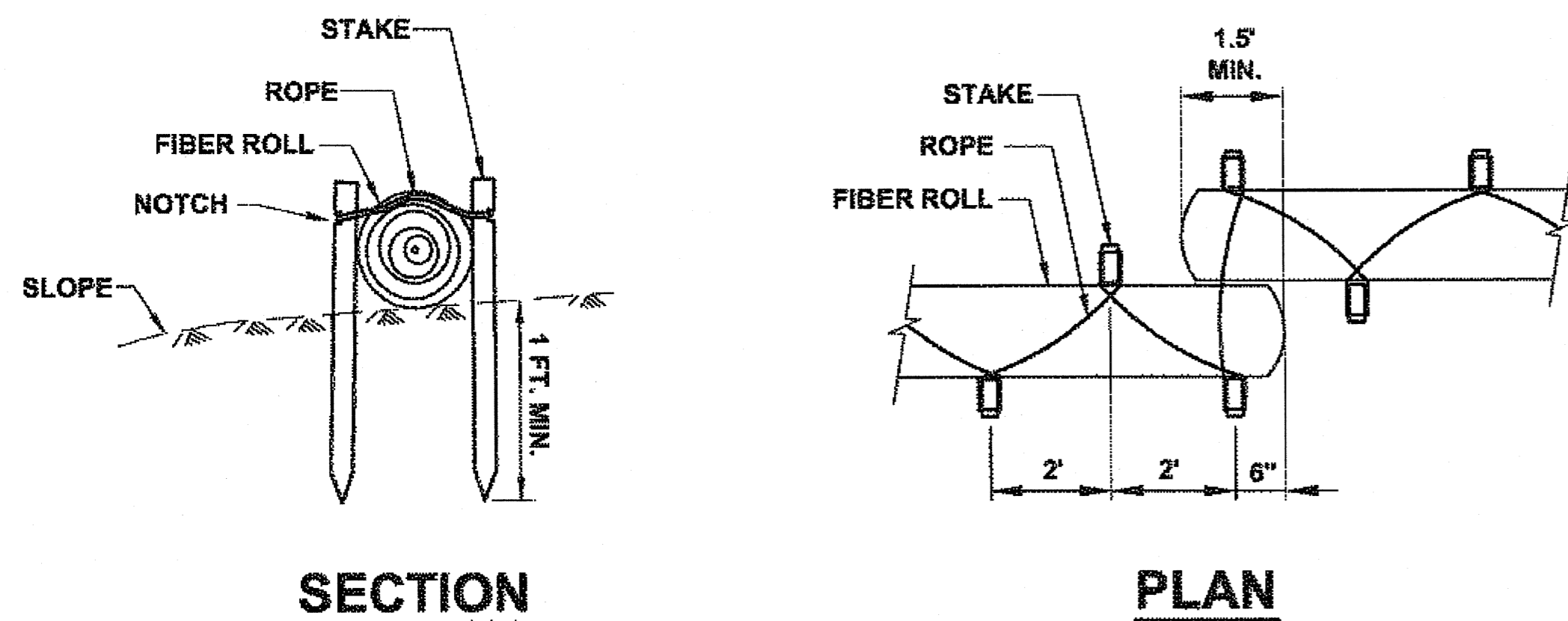


PERSPECTIVE

NOTES:

1. FURROW AND STAKE EMBEDMENT ARE THE SAME AS FIBER ROLL (TYPE1).
2. START STAKE INSTALLATION WITH STAKE IN THE CENTER AND STAKES 6\"/>

FIBER ROLL DITCH CHECK

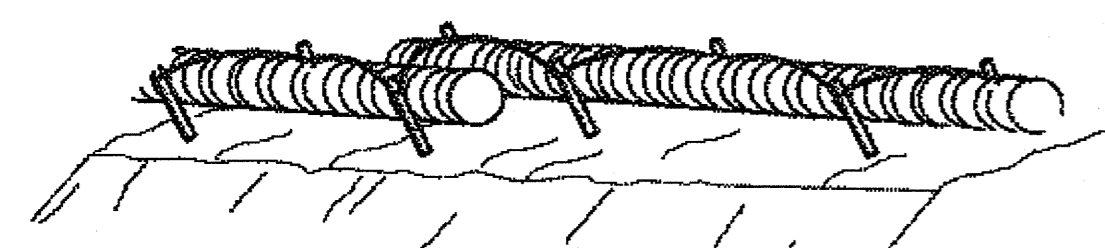


SECTION

PLAN

FIBER ROLL (TYPE 2)

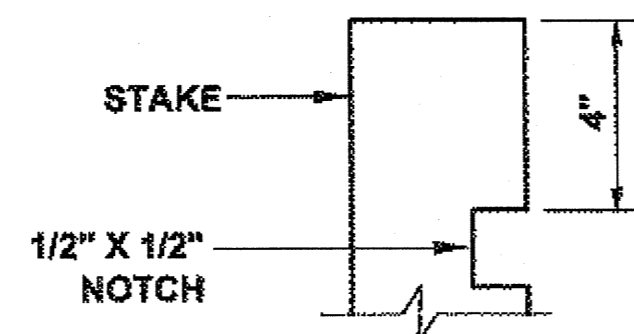
N.T.S.



PERSPECTIVE

FIBER ROLL (TYPE 2)

N.T.S.



STAKE TYPE 2

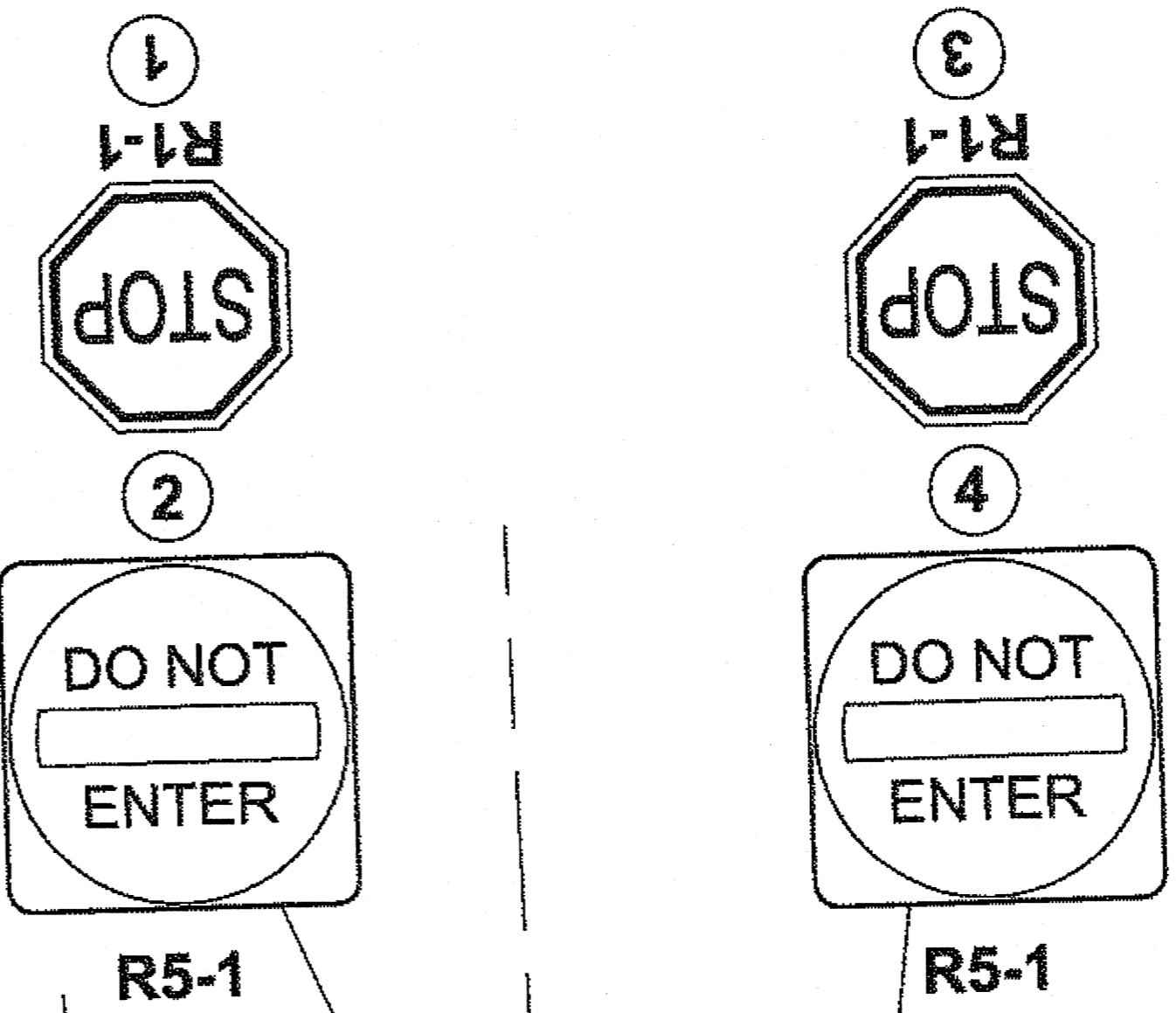
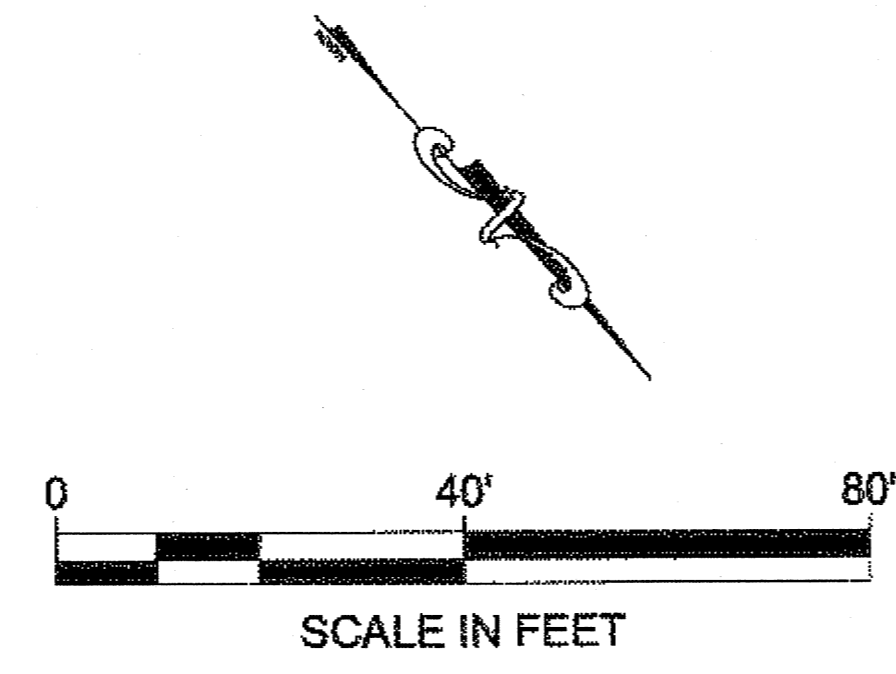
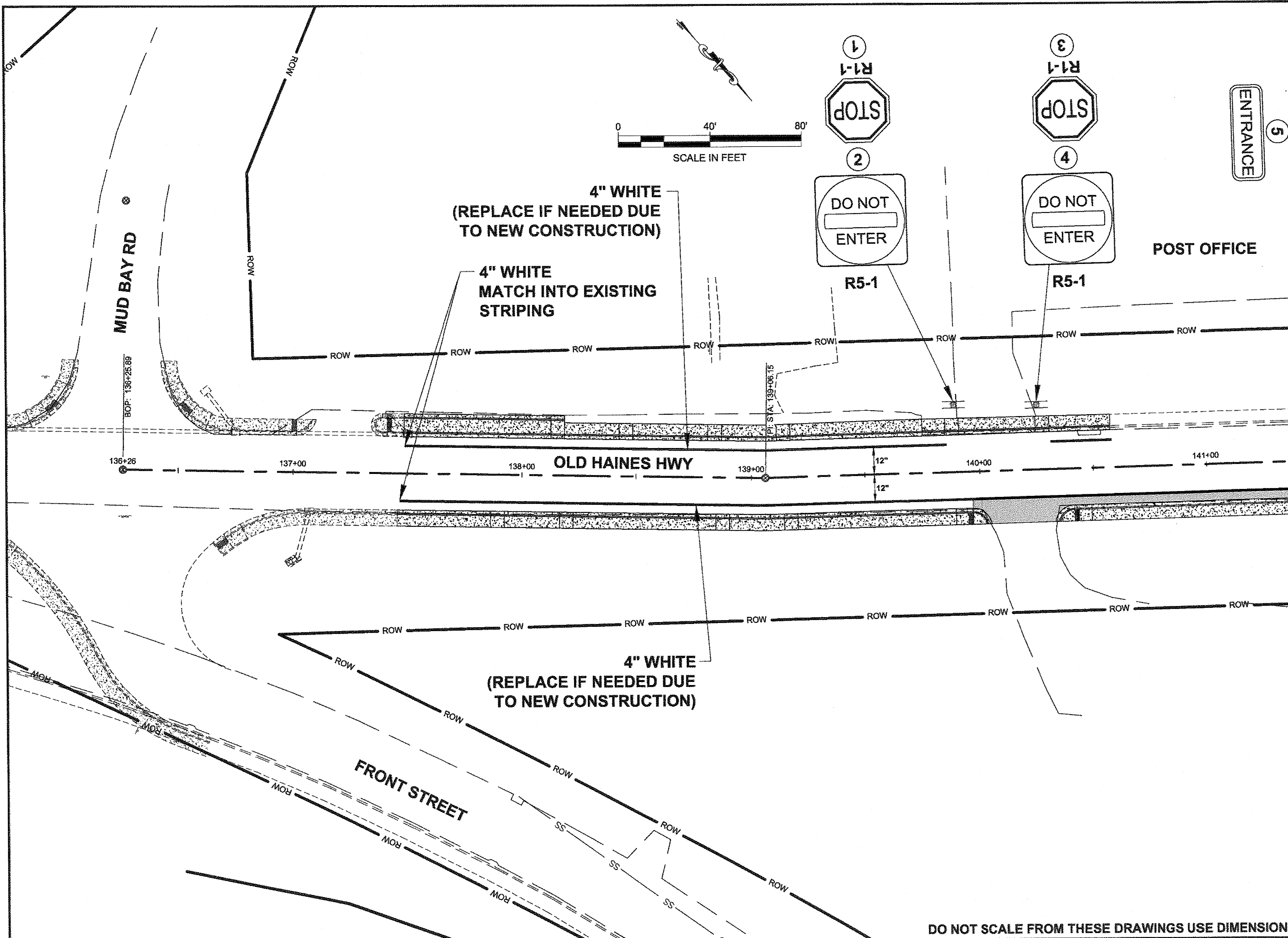
TYPICAL FIBER ROLL DETAIL

N.T.S.

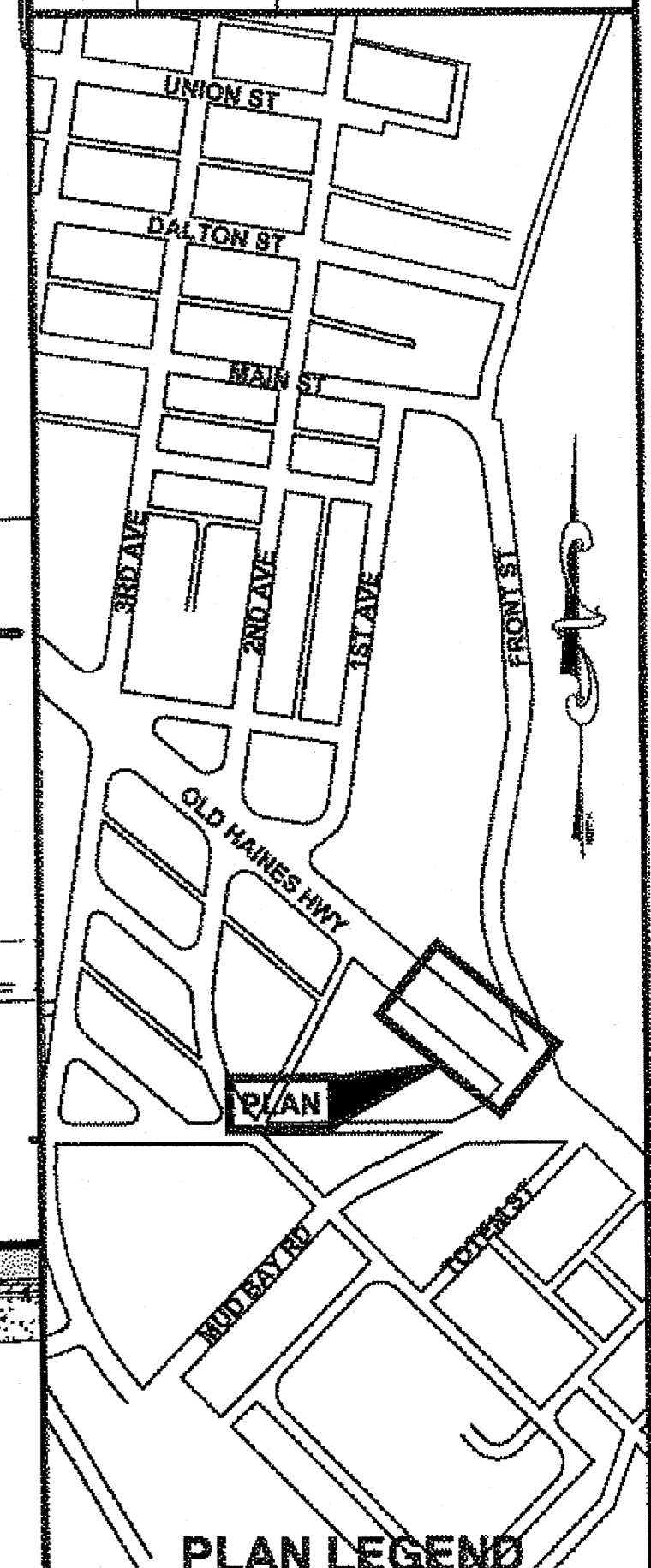
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
DESIGNED BY: D. MULLINER			
DRAWN BY: D. MULLINER			
HNS-OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178			
EROSION & SEDIMENT CONTROL DETAILS			
PATH: Q:\HNS\69178\HNS\DOUG'S PLANSET\69178_P18-P19_SHT.DWG TAB: P19 Monday, May 14, 2012 9:31:26 AM MULLINER, DOUGLAS J (DOT)			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION	YEAR
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		SHEET NO.	TOTAL SHEETS
		P19	110

B 1-13-14



PATH: Q:\HNS\69178\EMDOUG'S
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 STRIPING.DWG
 MULLINER, DOUGLAS J (DOT)
 TAB: R13 Monday, May 14, 2012 9:32:17 AM
 ADDENDUM NUMBER
 ATTACHMENT NUMBER
 RECORD OF REVISIONS
 No. DATE DESCRIPTION



CHECKED BY: D. EPSTEIN

5-21-12

DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 HNS-OLD HAINES HIGHWAY
 SIDEWALK CONSTRUCTION
 PROJECT #69178

SIGNING & STRIPING PLAN

PROJECT DESIGNATION

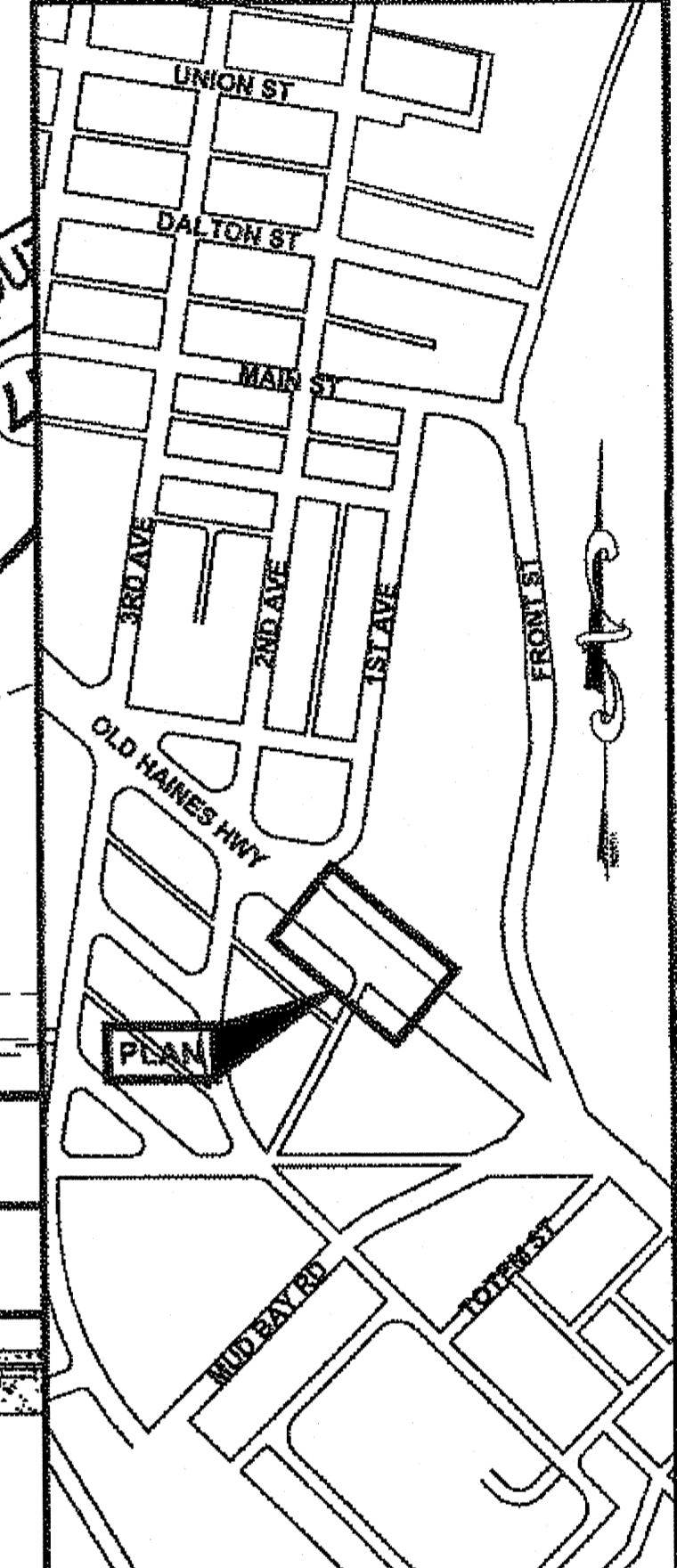
69178

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
R13	110

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B H13-14

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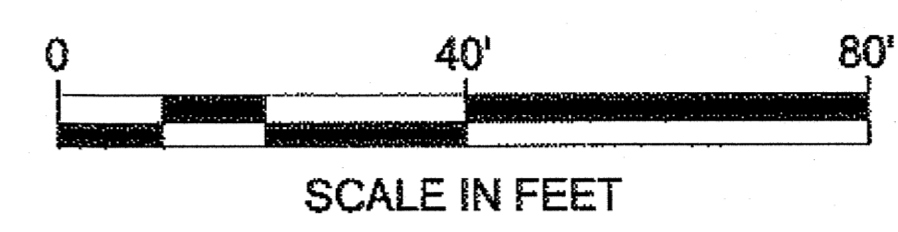
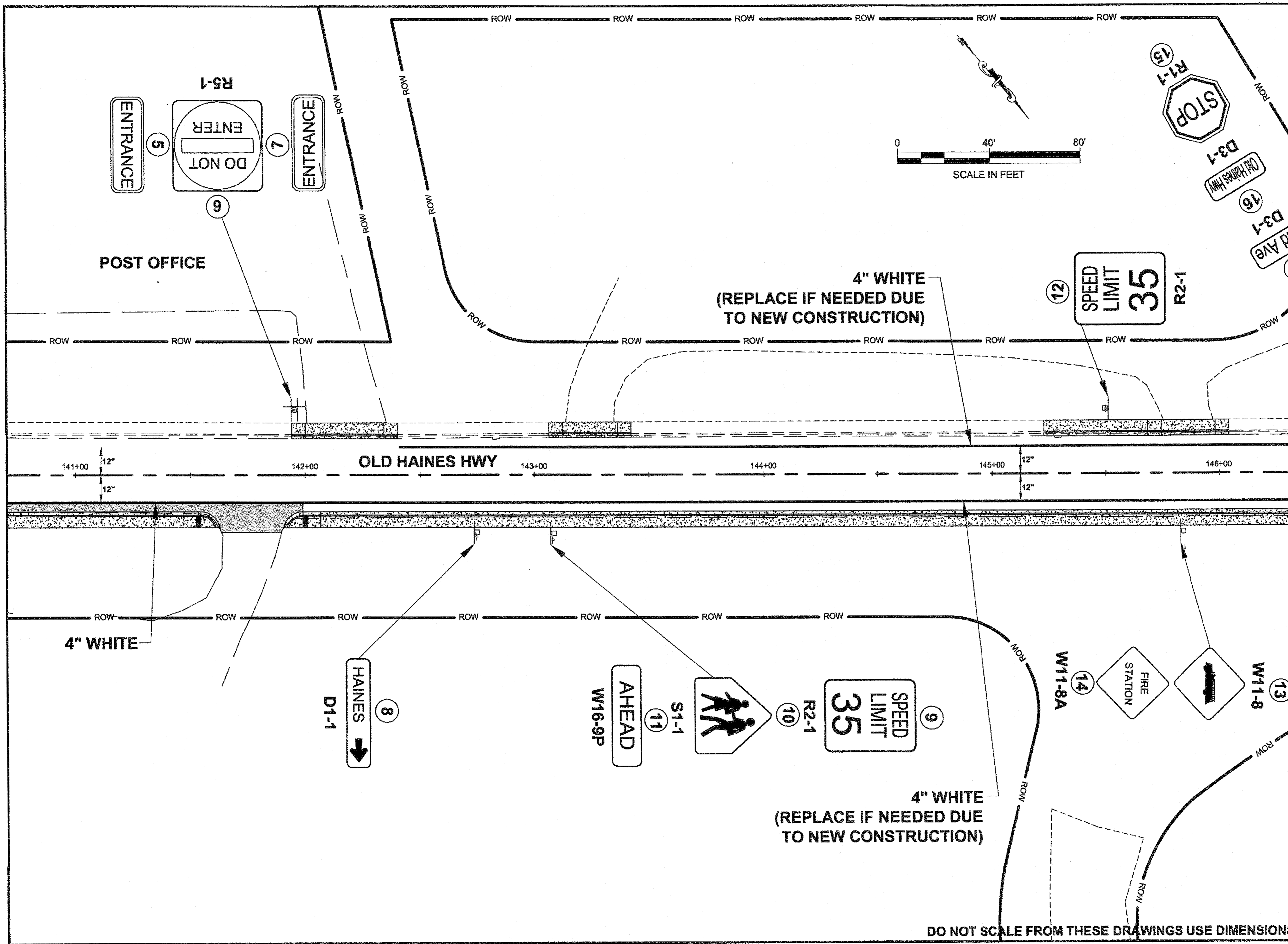
CHECKED BY: D. EPSTEIN

 DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 HNS-OLD HAINES HIGHWAY
 SIDEWALK CONSTRUCTION
 PROJECT #69178

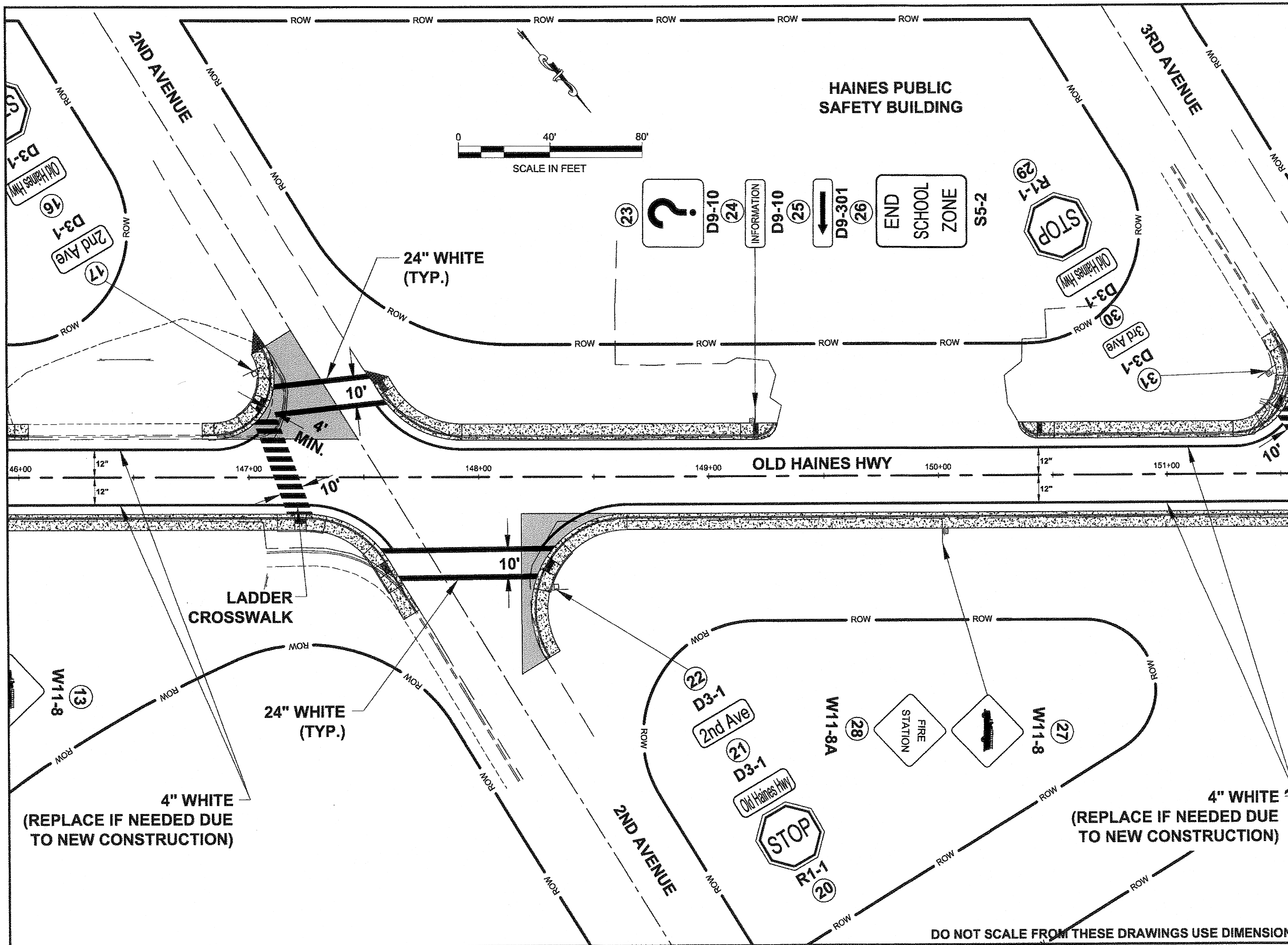
**SIGNING &
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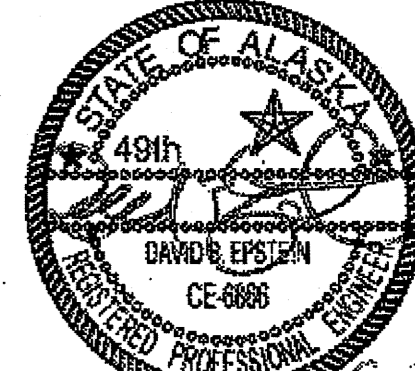
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STATE	YEAR
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SHEET NUMBER	TOTAL SHEETS
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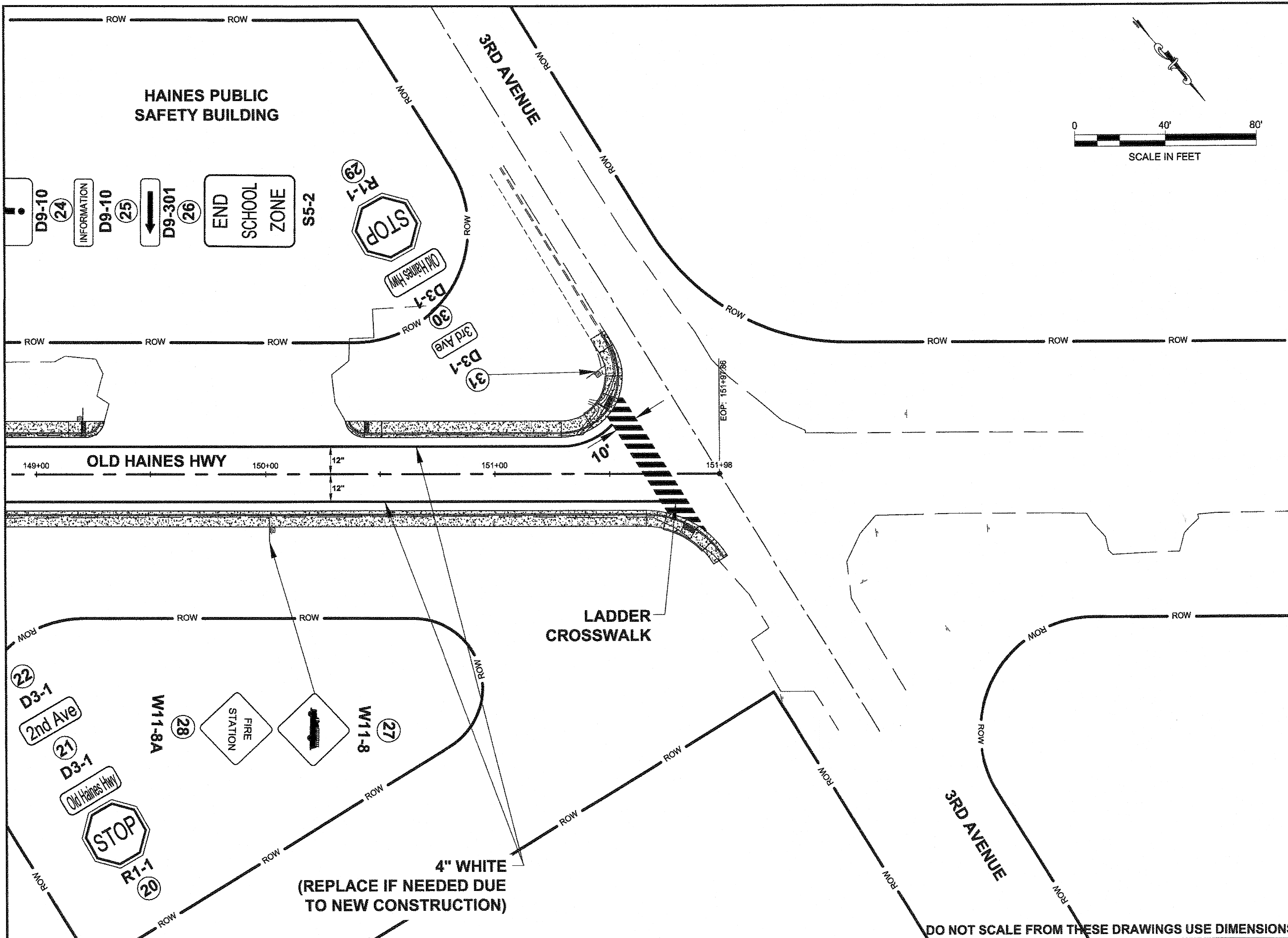
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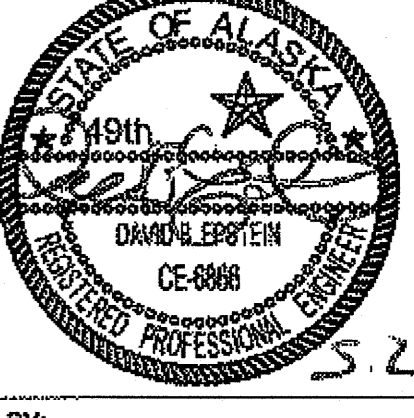


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 No. DATE DESCRIPTION
 PLAN LEGEND
 CHECKED BY: D EPSTEIN

 DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 HNS-OLD HAINES HIGHWAY
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 PROJECT #69178
**SIGNING &
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 PROJECT DESIGNATION
69178
 STATE YEAR
ALASKA 2012
 SHEET NUMBER TOTAL SHEETS
R15 110

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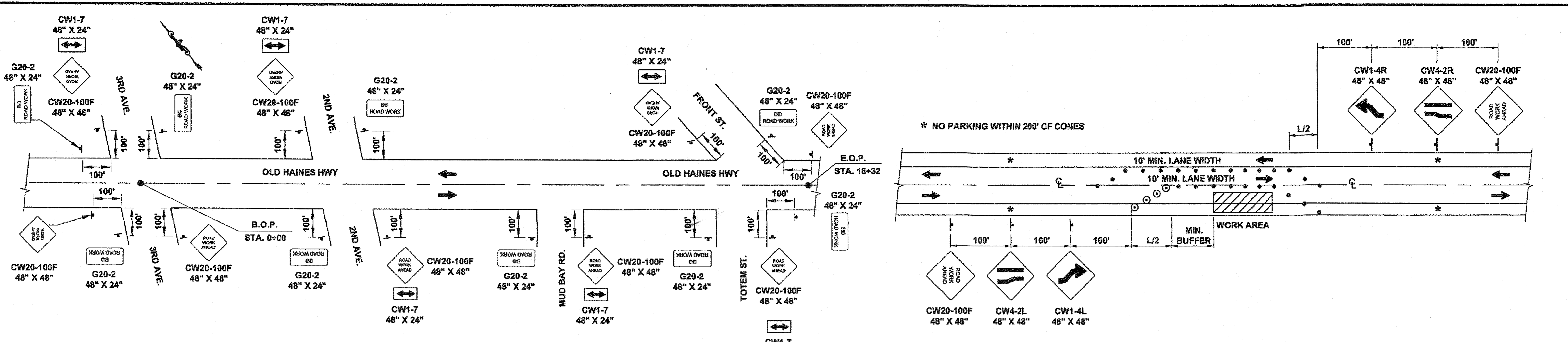
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 RECORD OF REVISIONS
 No. DATE DESCRIPTION
 PLAN LEGEND
 CHECKED BY: D. EPSTEIN

 DESIGNED BY: D. MULLINER
 DRAWN BY: D. MULLINER
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
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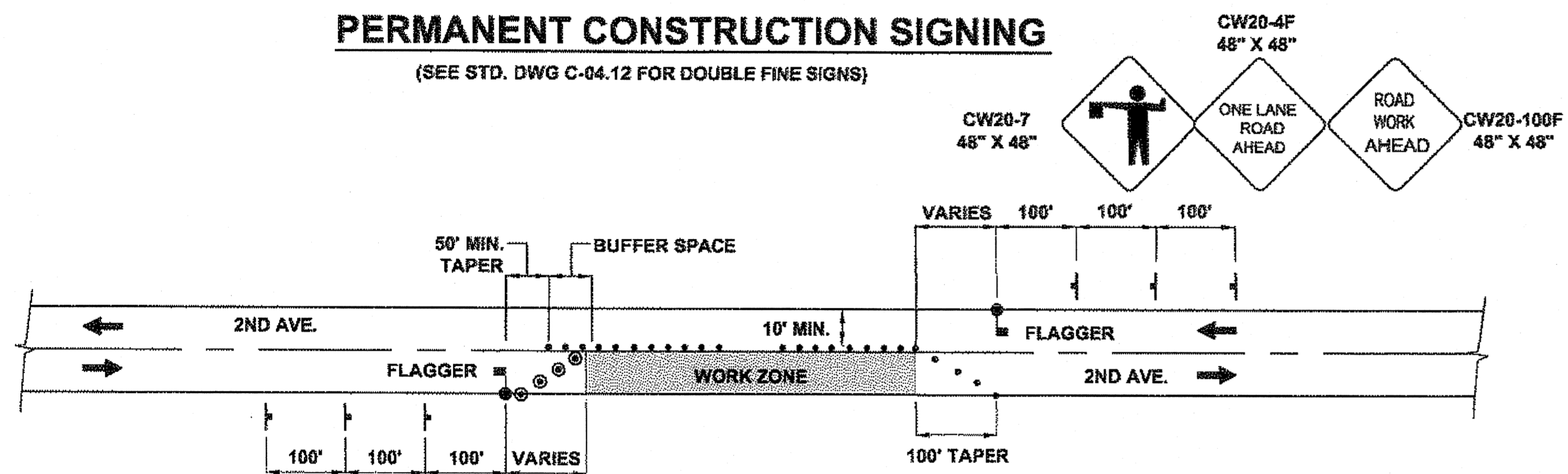
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B 1-13-14



PERMANENT CONSTRUCTION SIGNING

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



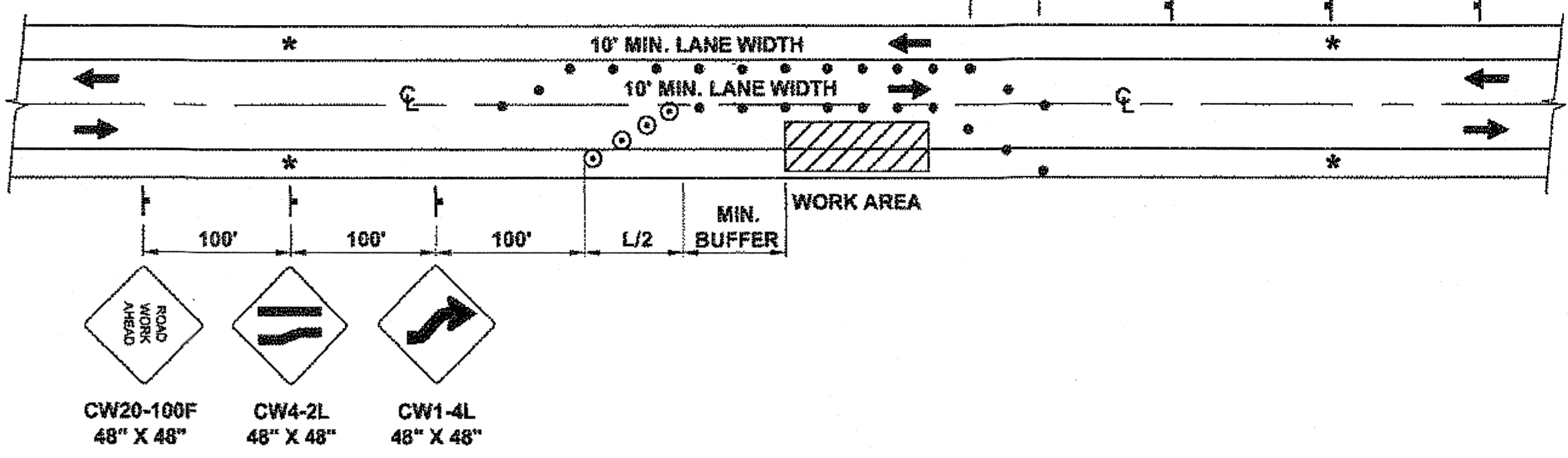
NOTE: ADDITIONAL FLAGGER IS REQUIRED AT INTERSECTIONS REMAINING OPEN WITHIN THE WORK AREA.

TWO LANE ROADWAY-SINGLE LANE CLOSURE

TRAFFIC CONTROL NOTES:

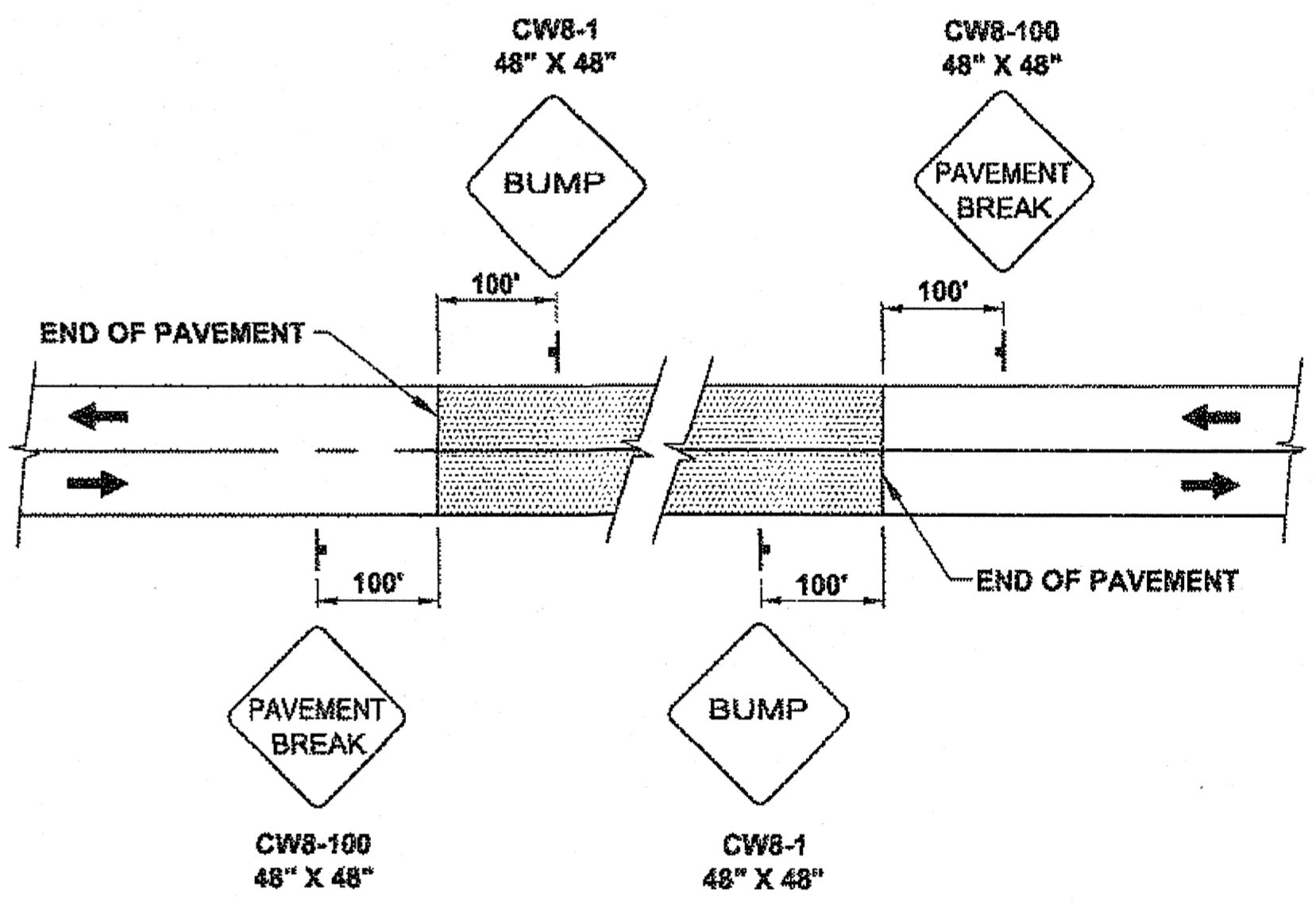
- IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME BUT NOT ALL OF THE TRAFFIC CONTROL CONFIGURATIONS THAT WILL BE REQUIRED BY THIS PROJECT. TRAFFIC CONTROL PLANS FOR CONFIGURATION NOT COVERED BY THIS TCP SHALL BE DEVELOPED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO USE.
- A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES IN 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 10 MINUTES.
- THE UNEVEN LANES (CW8-11) SIGN SHOULD BE USED DURING OPERATIONS THAT CREATE A DIFFERENCE IN ELEVATIONS BETWEEN ADJACENT LANES OF 2 INCHES OR GREATER.
- FLAGGER STATIONS NEED TO BE ILLUMINATED AT NIGHT.
- THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS/HER 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.
- FOR LOCATION OF DOUBLE TRAFFIC FINE SIGNS SEE STANDARD DRAWING C-04.12.
- FOR PEDESTRIAN TRAFFIC CONTROL SEE STANDARD DRAWING C-03.10.
- LIMIT SIDEWALK SEGMENT WORK, COMPLETE SIDEWALK WORK ONE SIDE AT A TIME SO PEDESTRIANS CAN MAINTAIN ACCESS EITHER SIDE OF THE STREET.

* NO PARKING WITHIN 200' OF CONES



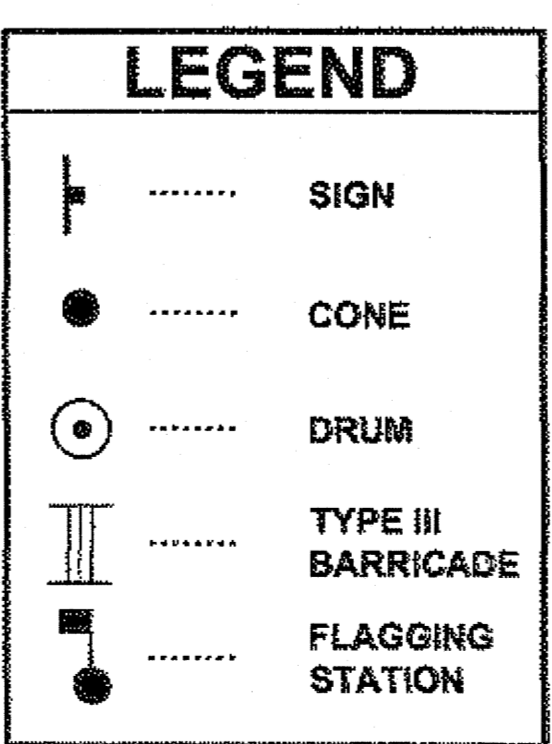
TWO-WAY TRAFFIC

(EDGE LANE CLOSED)



SIGNING FOR UNPAVED AREA

TCP TABLE SETUP			
SPEED (MPH)	BUFFER/LENGTH (FT.)	CONE/DRUM SPACING (FT.)	TAPER LENGTH
20	115	20	7:1
25	155	25	10:1
30	200	30	15:1
35	250	35	20:1



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: D. EPSTEIN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION					
DESIGNED BY: D. MULLINER	HNS-OLD HAINES HIGHWAY SIDEWALK CONSTRUCTION PROJECT #69178					
DRAWN BY: D. MULLINER						
TRAFFIC CONTROL PLAN						
PATH: Q:\HNS\69178\BENDOUIG'S PLANSET\69178_T3_TCP.DWG						
TAB: T3 Monday, May 21, 2012 4:19:53 PM MULLINER, DOUGLAS J (DOT)						
NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			69178	2012	T3	110

B 1-13-14

HW2 Broom Front 2M