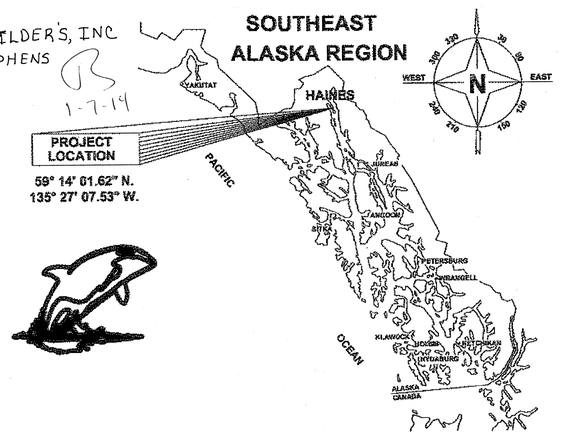
State of Alaska

Department of Transportation and Public Facilities Southeast Region

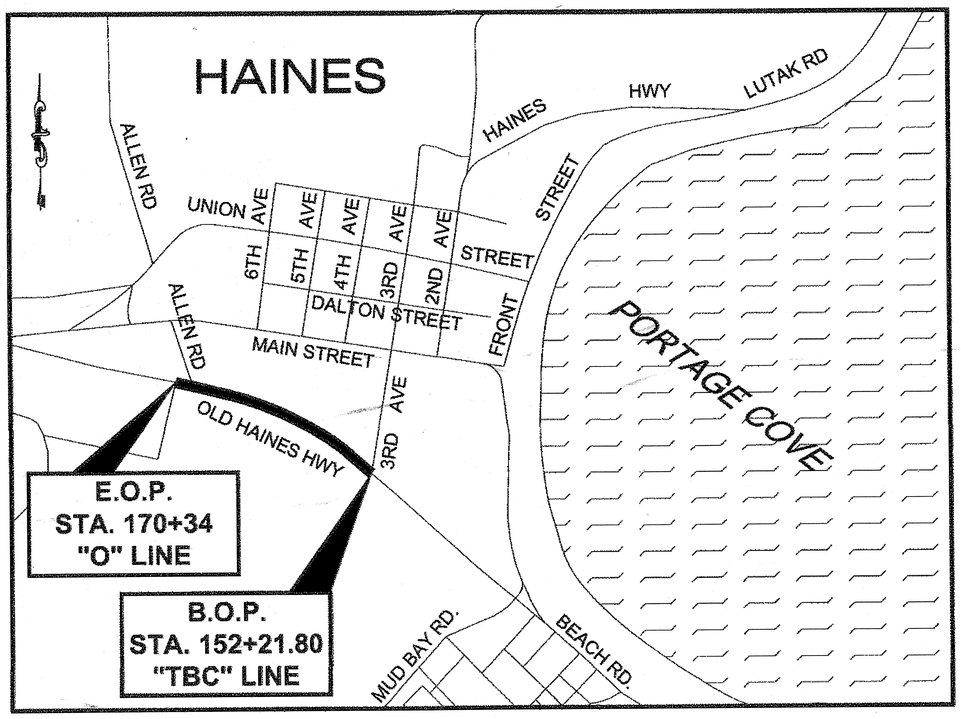
AS BUILT DRAWINGS
CONTRACTOR: SOUTHEAST ROAD BUILDER'S, INC
PROJECT ENGINEER: JEREMY L. STEPHENS
NOTICE TO PROCEED: JULY 9, 2013
START DATE: JULY 27, 2013
END DATE: OCTOBER 11, 2013

1-7-14



HAINES, ALASKA
OLD HAINES HIGHWAY

OLD HAINES HIGHWAY SIDEWALK 3rd AVENUE TO ALLEN ROAD
PROJECT No. SRTS-0987(007) ~ 67555



VICINITY MAP
N.T.S.

DESIGN DESIGNATION

FUNCTIONAL CLASSIFICATION	=	RURAL MAJOR COLLECTOR
A.D.T. 2011 (LAST YEAR WITH DATA)	=	1740
A.D.T. 2014 (YEAR AFTER CONSTRUCTION)	=	1770
A.D.T. 2024 (MID-LIFE YEAR)	=	1860
A.D.T. 2034 (FUTURE YEAR)	=	1950
D.H.V. (14.2%) 2034	=	280
% T	=	9.9%
V	=	20 M.P.H. SCHOOL ZONE, 35 M.P.H. POSTED
E.A.L.	=	300,000
DESIGN VEHICLES FOR TURNING	=	WB-50

PROJECT SUMMARY

CDS ROUTE NO.	=	298020
CDS MILEPOINT	=	0.286 TO 0.635
LENGTH OF PROJECT	=	0.349 MILES
LENGTH OF SIDEWALK	=	0.349 MILES
WIDTH OF SIDEWALK	=	5 FT
HALF WIDTH OF ROADWAY	=	12 FT. TRAVEL LANE, 4 FT. SHOULDER

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-01.02	E-13.00	S-00.11	T-20.03
C-03.10	D-22.01	I-20.14	S-01.00	T-21.03
C-04.12	D-24.00	I-21.02	S-05.01	T-23.00
	D-23.01		S-30.03	
	D-26.02			

INDEX

CDS MILEPOINT	CDS ROUTE #	START	END
	298020	0.635 THIRD AVE. (BOP)	0.286 FAIR DRIVE (EOP)

PATH: Q:\HNS\67555\EN\DOUG'S FILES\A_TITLE SHT.DWG TAB:A1
Tuesday, October 30, 2012 11:12:04 AM
PLOT: PSPACE OR MSPACE: 1=1(F)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

STATE OF ALASKA 49 TH
KEITH O. KARPSTEIN
CE-12804
REGISTERED PROFESSIONAL ENGINEER
4/25/13

APPROVED: _____ 4/26/13
REGIONAL PRE-CONSTRUCTION ENGINEER — DATE
CHUCK CORREA, P.E.

APPROVED: _____ 4/26/13
DIRECTOR, SOUTHEAST REGION — DATE
FOR ALBERT H. CLOUGH, CPG

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:
_____ 3-19-14
CONSTRUCTION PROJECT MANAGER — DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	SRTS-0987(007) ~ 67555	2013	A1	29

1-7-14

HORIZONTAL &VERTICAL BASIS
Haines Alaska Project # 67555
Old Haines Highway New Sidewalk 3rd Avenue to Allen Road

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(92) 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 ¼" 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.

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.

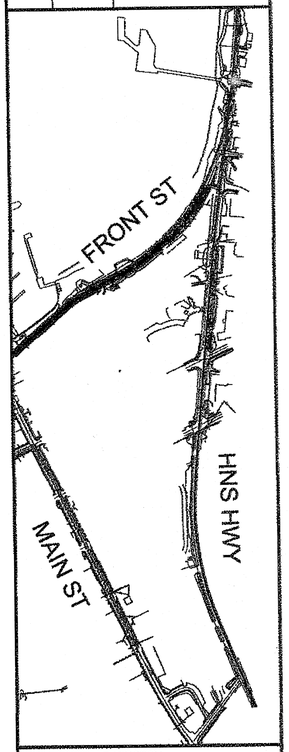
PATH: Q:\HNS\69316\SV\C3D\SOURCE DWGS\BASEMAP\HNS_A2_SIDEWALK.
MULLINER, DOUGLAS J (DOT)
TAB: A2 Friday, April 19, 2013 4:12:11 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: D.IGNOTOV

DESIGNED BY: J.PAPOI
DRAWN BY: J.PAPOI

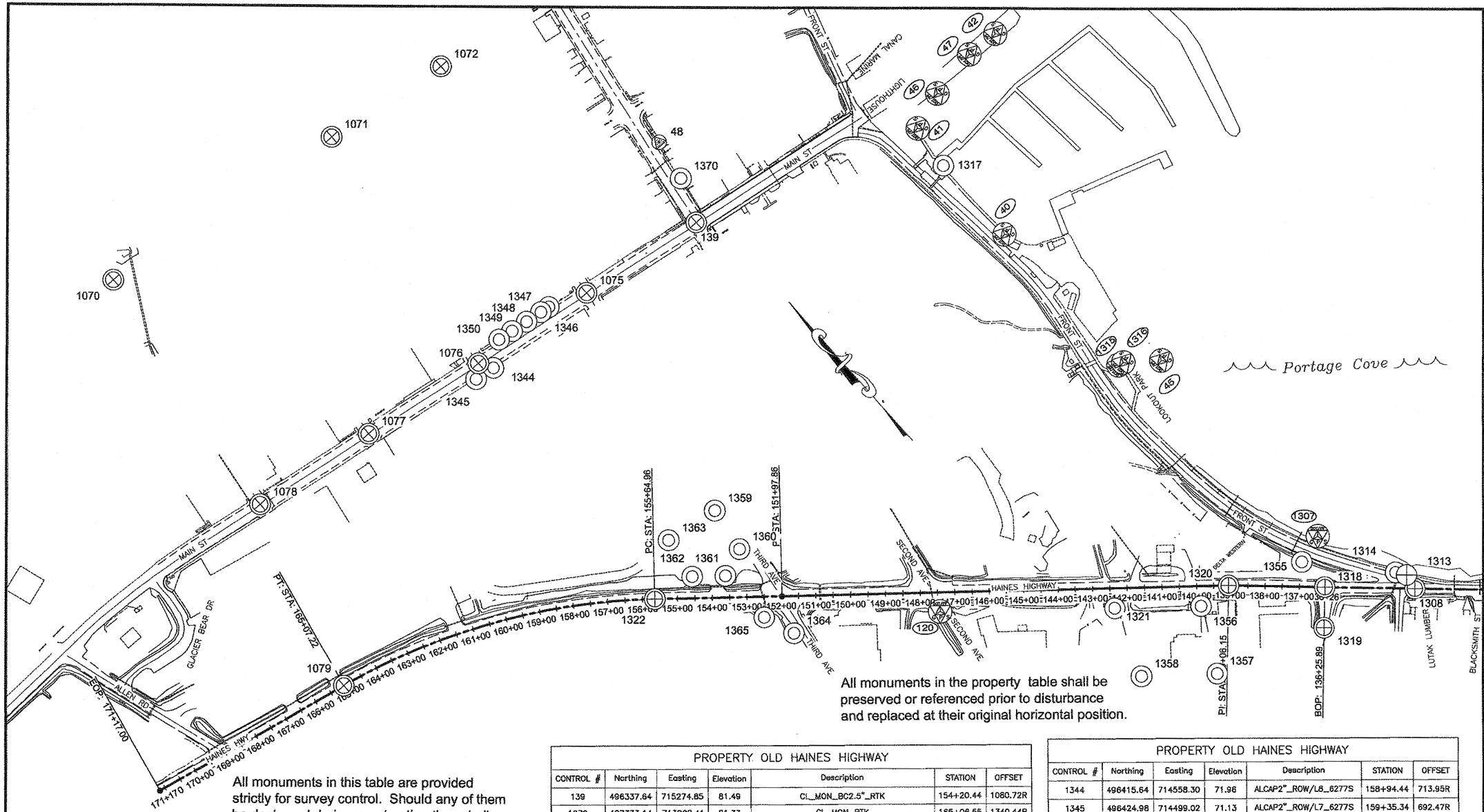
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

SURVEY CONTROL

PROJECT DESIGNATION	
67555	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
A2	29

GS 1-7-14



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

All monuments in this table are provided strictly for survey control. Should any of them be destroyed during construction they shall not be replaced.

CONTROL OLD HAINES HIGHWAY

CONTROL #	Northing	Easting	Elevation	Description	STATION	OFFSET
40	495717.04	715915.80	33.55	GPS_BC3.25"_USACE_HH-21	145+30.01	1024.97R
41	496111.84	715931.62	32.24	GPS_BC3.25"_USACE_HH-20	147+74.34	1335.48R
42	496163.65	716261.18	25.63	GPS_BC3.25"_USACE_HH-1	145+42.16	1601.87R
45	495143.96	716012.37	24.57	GPS_BC3.5"_USACE_HH-5	140+84.44	651.86R
46	496148.19	716040.86	18.05	GPS_ALCAP2"_TONER-NRDLNG	147+14.88	1434.07R
47	496170.04	716185.00	26.96	GPS_ALCAP2"_DOWL-HKM	146+19.45	1544.27R
48	496579.99	715349.53	97.78	USC&GS_BC3.75"_BM-A141	155+21.02	1313.52R
120	495034.46	715051.71	49.87	GPS_SURVSPIKE_PND	147+43.90	55.23L
1307	494464.50	716012.61	30.48	GPS_USCGS_BM_No.5	136+48.95	146.22R
1315	495217.02	715910.71	35.61	GPS_BC3.25"_USACE_HH-23	142+09.20	641.41R
1316	495213.03	715926.92	35.57	GPS_BC3.25"_DOT_HNS-7	141+94.28	648.90R

PROPERTY OLD HAINES HIGHWAY

CONTROL #	Northing	Easting	Elevation	Description	STATION	OFFSET
139	496337.64	715274.85	81.49	CL_MON_BC2.5"_RTK	154+20.44	1080.72R
1070	497333.14	713908.41	81.33	CL_MON_RTK	165+06.55	1340.44R
1071	497221.56	714852.83	91.18	CL_MON_RTK	160+79.70	1472.05R
1072	497162.19	715023.75	102.83	CL_MON_RTK	158+82.86	1593.52R
1075	496396.20	714904.38	78.09	CL_MON_RTK	156+84.37	890.19R
1076	496454.86	714534.14	71.14	CL_MON_RTK	159+23.82	735.76R
1077	496513.45	714163.81	66.34	CL_MON_RTK	161+88.31	627.82R
1078	496571.91	713793.42	61.29	CL_MON_RTK	164+70.41	572.45R
1079	496022.59	713626.96	53.58	CL_MON_RTK	165+07.22	0.00R
1308	494184.17	716121.12	36.98	CL_MON_DOH	N/A	N/A
1313	494209.76	716128.98	38.55	ALPRIM3.25"_MC2_S735_WCMC_S2716_ALS	N/A	N/A
1314	494236.34	716110.56	39.46	ALSEC2"_NO-MRKS	N/A	N/A
1317	495982.47	715915.48	31.79	ALSEC2"_TONER-NRDLNG	147+02.61	1226.61R
1318	494341.69	715929.97	50.47	CL_MON_DOH	136+25.89	0.00R
1319	494256.02	715850.10	54.65	CL_MON_DOH	136+26.09	117.12L
1320	494532.46	715724.66	56.32	CL_MON_DOH	139+06.15	0.00R
1321	494703.63	715435.15	49.66	ALSEC2.5"_PO_SITE	142+37.48	57.82L
1322	495609.62	714463.17	53.58	CL_MON_DOH	155+64.96	0.00R

PROPERTY OLD HAINES HIGHWAY

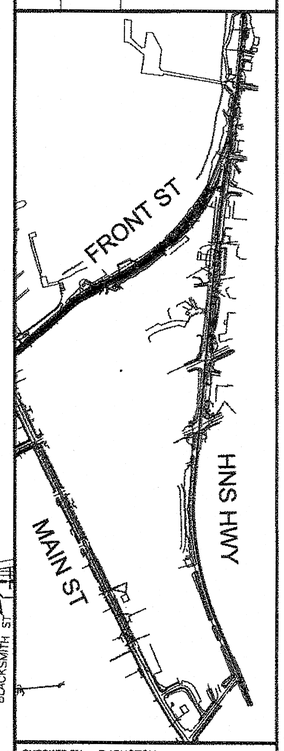
CONTROL #	Northing	Easting	Elevation	Description	STATION	OFFSET
1344	496415.64	714558.30	71.98	ALCAP2"_ROW/L8_6277S	158+94.44	713.95R
1345	496424.98	714499.02	71.13	ALCAP2"_ROW/L7_6277S	159+35.34	692.47R
1347	496443.31	714767.58	75.98	IP1.25"	157+79.55	849.20R
1348	496450.81	714718.04	74.77	PLASCAP1.5"_5713S	158+11.07	828.08R
1349	496458.80	714668.43	74.04	PLASCAP1.25"_3650S	158+43.30	808.09R
1350	496466.05	714624.13	73.13	PLASCAP1"_1410S	158+72.51	791.01R
1356	494541.93	715624.84	57.85	ALCAP2"_3650S_RTK	139+88.22	57.62L
1357	494366.09	715530.27	60.29	ALCAP2"_3650S_RTK	139+45.95	252.75L
1358	494506.66	715361.93	55.99	ALCAP2"_3650S_RTK	141+65.25	255.17L
1359	495684.79	714761.53	54.70	ALCAP2"_L3_6277S_RTK	153+86.88	250.91R
1360	495554.84	714741.06	52.64	REBAR5/8"_SPINHOLE_RTK	153+18.06	138.79R
1361	495524.64	714659.02	52.05	REBAR5/8"_RTK	153+60.84	62.55R
1362	495586.68	714586.26	52.47	REBAR5/8"_SPINHOLE_RTK	154+56.45	62.49R
1363	495709.36	714606.01	55.54	PLASCAP1.5"_3650S_RTK	155+21.10	168.61R
1364	495268.82	714696.86	49.84	REBAR5/8"_RTK	151+65.94	107.42L
1365	495360.55	714662.94	48.64	PLASCAP1.5"_9234S_RTK	152+51.30	59.69L
1370	496460.98	715326.09	88.77	PLASCAP1.5"_5713S	154+61.56	1207.79R

PATH: Q:\HNS\69316\SV\C3D\SOURCE DWGS\BASEMAP\HNS_A2_SIDEWALK.C
MULLINER, DOUGLAS J (DOT)
TAB: A3 Friday, April 19, 2013 4:12:31 PM

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: D.IGNOTOV

STATE OF ALASKA
49TH
Daniel M. Ignotov
No. 11296
REGISTERED PROFESSIONAL LAND SURVEYOR

DESIGNED BY: J.PAPOI
DRAWN BY: J.PAPOI

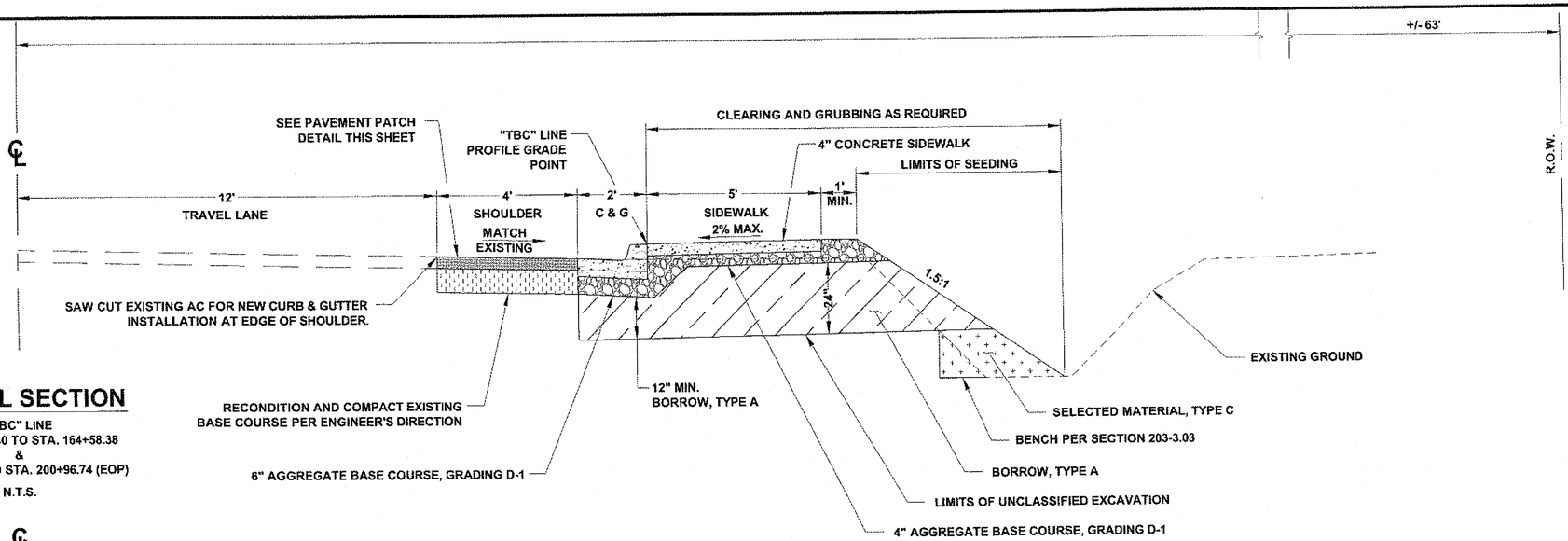
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DESIGN & ENGINEERING SERVICES
DIVISION-SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

SURVEY CONTROL

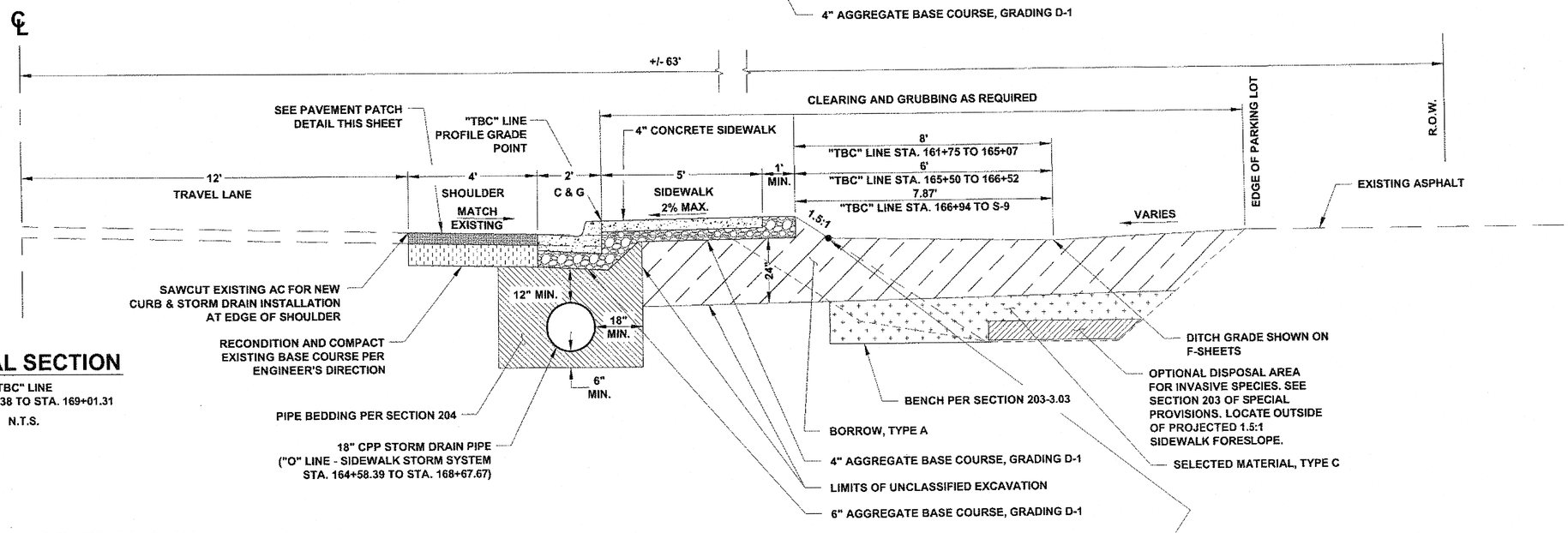
PROJECT DESIGNATION	
67555	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
A3	29

BS
1-7-14



TYPICAL SECTION

"TBC" LINE
STA. 152+21.80 TO STA. 164+58.38
&
STA. 200+00 TO STA. 200+96.74 (EOP)
N.T.S.



TYPICAL SECTION

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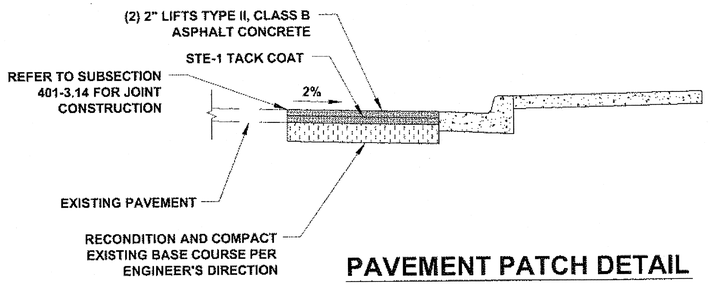
N.T.S.



PAVEMENT PATCH DETAIL

N.T.S.

TOE HINGE POINT		
"TBC" LINE STATION	OFFSET FROM TBC	ELEV.
14' FROM TBC OFFSET SECTION		
162+00	10.50'	54.79
162+50	10.40'	54.66
163+00	10.22'	54.53
163+50	9.57'	54.40
164+00	9.23'	54.28
165+07	10.08'	53.58
13.87' FROM TBC OFFSET SECTION		
167+00	7.68'	51.67
167+50	7.53'	51.08
168+00	7.62'	50.47
168+50	7.86'	49.86

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

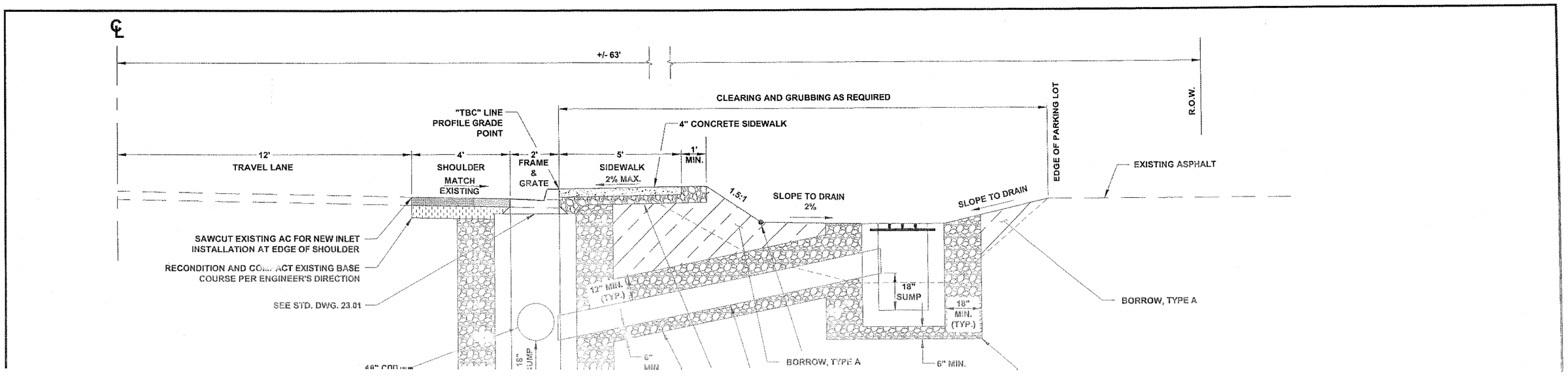
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

TYPICAL SECTIONS

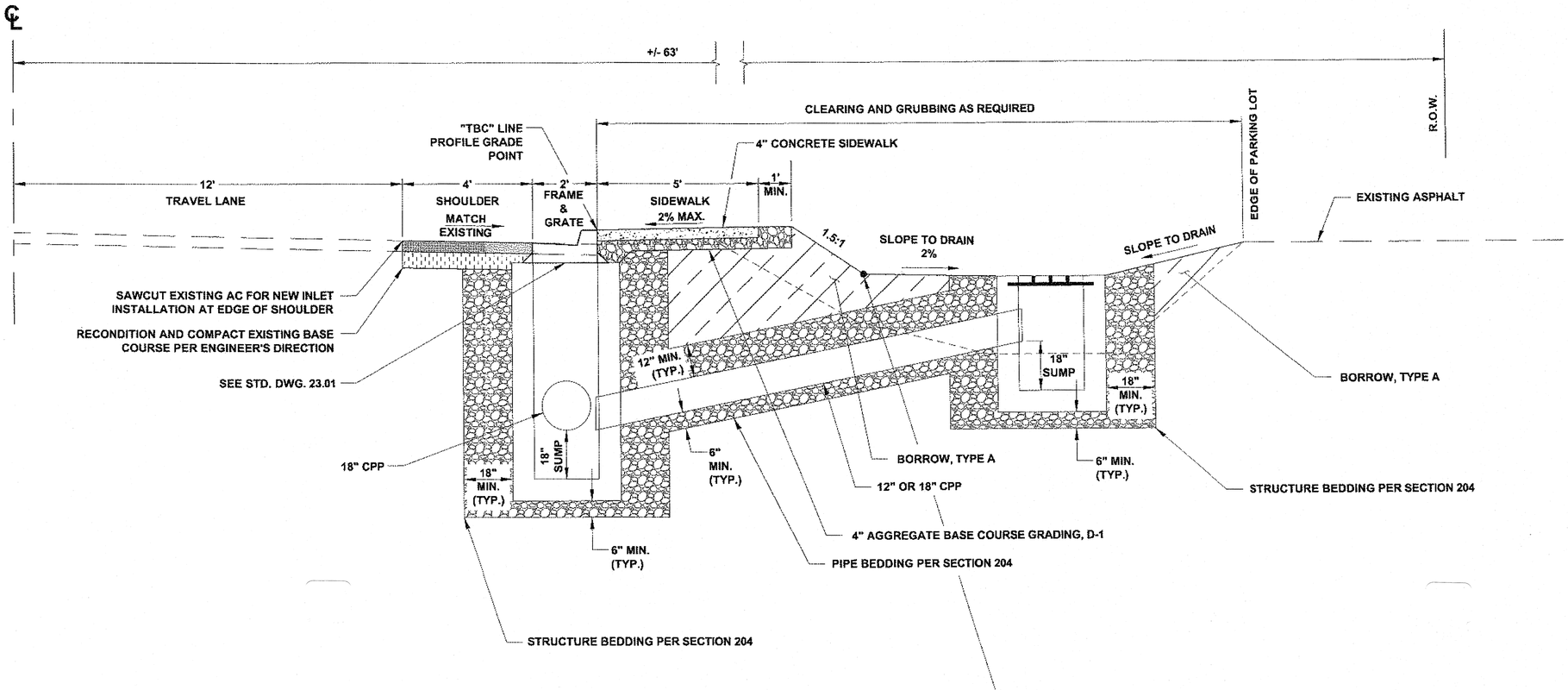
PATH: Q:\HNS\67555\EN\DOUG'S FILES\B_TYP SHT.DWG
TAB: B1 Wednesday, May 22, 2013 10:35:52 AM GRANTHAM, RICK L (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	B1	29

B
1-7-14


℄
+/- 63'
CLEARING AND GRUBBING AS REQUIRED
"TBC" LINE
PROFILE GRADE
POINT
4" CONCRETE SIDEWALK
R.O.W.
EDGE OF PARKING LOT
12'
TRAVEL LANE
4'
SHOULDER
MATCH
EXISTING
2'
FRAME
&
GRATE
5'
SIDEWALK
2% MAX.
1'
MIN.
1.5:1
SLOPE TO DRAIN
2%
SLOPE TO DRAIN
EXISTING ASPHALT
SAWCUT EXISTING AC FOR NEW INLET
INSTALLATION AT EDGE OF SHOULDER
RECONDITION AND CO... ACT EXISTING BASE
COURSE PER ENGINEER'S DIRECTION
SEE STD. DWG. 23.01
12" MIN.
(TYP.)
18"
SUMP
18"
MIN.
(TYP.)
BORROW, TYPE A
18"
SUMP
6"
MIN
BORROW, TYPE A
6" MIN.

GB
1-7-14

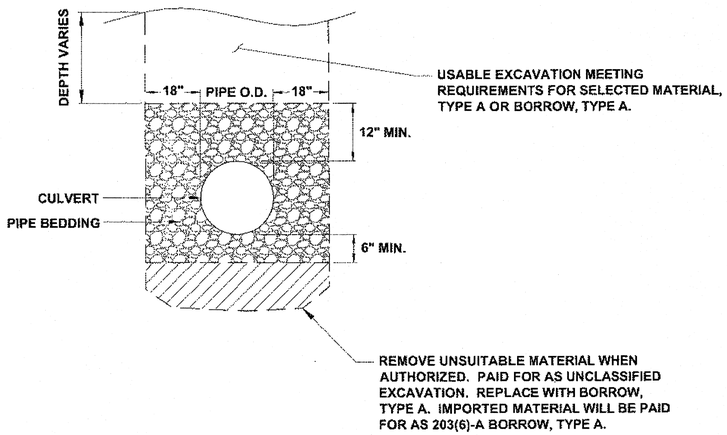


TYPICAL SECTION WITH FIELD INLETS

"TBC" LINE STATIONS
164+58.39
166+08.93
168+92.91

N.T.S.

TOE HINGE POINT		
"TBC" LINE STATION	OFFSET FROM TBC	ELEV.
164+58.39 (S-4)	9.80'	53.08
166+08.93 (S-6)	10.06'	51.04
168+92.91 (S-9)	8.20'	49.41



CULVERT BEDDING / BACKFILL DETAIL

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
KEITH R. KARPSTEIN
CE-12904
REGISTERED PROFESSIONAL ENGINEER
5/22/13

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

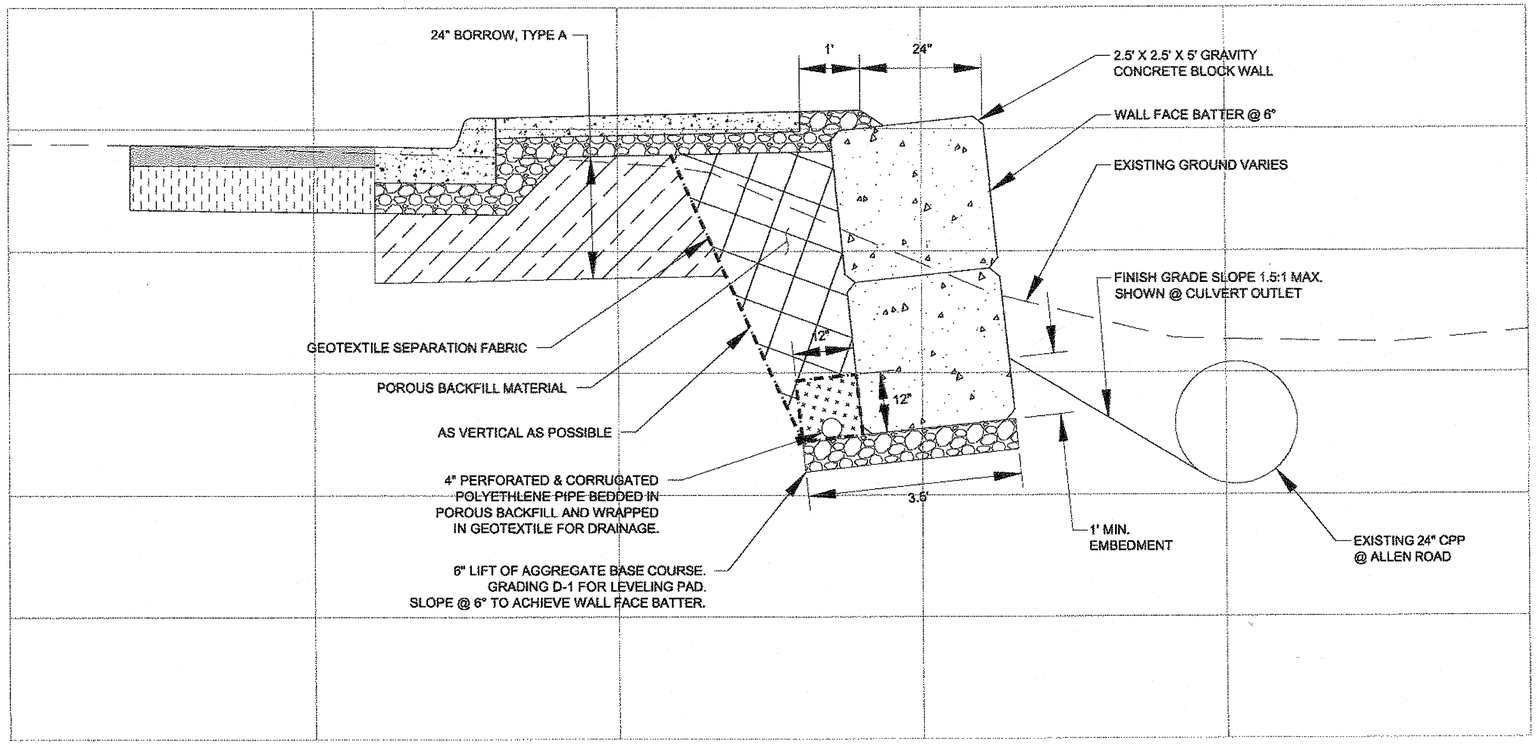
TYPICAL SECTIONS

PATH: Q:\HNS\67555\EN\DOUG'S FILE\B_TYP SHT.DWG
TAB: B2 Wednesday, May 22, 2013 10:35:48 AM GRANTHAM, RICK L (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	B2	29

B
1-7-14

50



GRAVITY BLOCK WALL
("TBC" LINE - STA. 200+03.86 TO STA. 200+21.74)

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-OLD HAINES HIGHWAY SIDEWALK 3rd AVENUE TO ALLEN ROAD PROJECT #67555
DESIGNED BY: D. MULLINER	TYPICAL SECTIONS
DRAWN BY: D. MULLINER	

STATE OF ALASKA 49th KEITH B. KARPSTEIN CE-12904 REGISTERED PROFESSIONAL ENGINEER 4/25/13

PATH: C:\HNS\67555\EN\DOUG'S FILE\B_TYP SHT.DWG
TAB: B3 Wednesday, April 24, 2013 2:43:10 PM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	B3	29

B3
1-7-14

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	1451 ~~1850~~
202(4)	REMOVAL OF CULVERT PIPE	LINEAR FOOT	199 ~~207~~
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	1175 ~~1690~~
203(6)-A	BORROW, TYPE A	TON	3281 ~~4120~~
203(6)-C	BORROW, TYPE C	TON	1163 ~~3110~~
203(19)	CONTROL OF INVASIVE SPECIES	LUMP SUM	ALL REQUIRED
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	1202 ~~700~~
303(4)	DITCH RECONDITIONING	LINEAR FOOT	216 ~~200~~
401(1)	ASPHALT CONCRETE, TYPE II; CLASS B	TON	294 ~~90~~
401(2)	ASPHALT CEMENT, GRADE PG 58-28	TON	16 ~~5~~
402(1)	STE-1 ASPHALT FOR TACK COAT	TON	0.4 ~~1~~
530 (1)	GRAVITY BLOCK WALL	SQUARE FEET	71 ~~75~~
603(21)-12	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	60 ~~81~~
603(21)-18	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	789 ~~781~~
603(21)-24	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	48 ~~46~~
604 (4)	ADJUST EXISTING MANHOLE	EACH	1
604(5)	INLET, TYPE A	EACH	8
604 (8)	36" X 36" FIELD INLET	EACH	1
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	856 ~~840~~
608(1B)	CONCRETE SIDEWALK, 6 INCHES THICK	SQUARE YARD	113 ~~110~~
608(6)	CURB RAMP	EACH	4
609(2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	1763 ~~1780~~
611(1)	RIPRAP, CLASS I	CUBIC YARD	7.5 ~~25~~
615(1)	STANDARD SIGN	SQUARE FOOT	193 ~~185~~
618(2)	SEEDING	POUND	50 ~~40~~
639(3)	DRIVEWAY	EACH	4
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(5)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	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(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
646(1)	CPM SCHEDULING	LUMP SUM	ALL REQUIRED
670(1)	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED
204(1A)	Relocation of Utilities C.O.1	Lumpsum	All Required

BASIS OF ESTIMATE - BASIC BID

ITEM NO.	ITEM	ESTIMATING FACTOR
201 (3B)	CLEARING AND GRUBBING	0.8 ACRES
203 (6)	BORROW, TYPE A & C	2.5 TONS/CY COMPACTED IN PLACE
301 (1)	AGGREGATE BASE COURSE GRADING D-1	2.5 TON/CY
401 (1)	ASPHALT CONCRETE	124 LBS/SY/IN
401 (2)	ASPHALT CEMENT, GRADE PG 58-28	6% OF ITEM 401 (1)
402 (1)	STE-1 TACK COAT	0.1 GAL./S.Y. (243 GAL/TON)
618 (1)	SEEDING	50 LB/AC

UTILITY POINTS OF CONTACT

ELECTRIC	AP&T	DANNY GONCE	766-6500
TELEPHONE	AP&T	BRUCE MESSERSCHMIDT	766-6500
SEWER	HAINES BOROUGH	CARLOS JIMENEZ	766-2257
WATER	HAINES BOROUGH	CARLOS JIMENEZ	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 · 49th · KEITH D. KARPSTEIN · CE-12904 · REGISTERED PROFESSIONAL ENGINEER

5/22/13

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

ESTIMATE OF QUANTITIES

PATH: Q:\HNS\67555\EN\DOUG'S FILE\C_ESTIMATE OF QUANTITIES SHT.DWG
TAB: C1 Wednesday, May 22, 2013 11:39:35 AM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	C1	29

DB
1-7-14

202(2) REMOVAL OF PAVEMENT

"TBC" LINE STATION		AREA (SY)	REMARKS
TO	FROM		
152+22	169+01	1800	INCLUDES DRIVEWAY REMOVAL BEHIND SIDEWALK
200+00	200+97	50	

202(4) REMOVAL OF CULVERT PIPE

"TBC" LINE STATION		DIAMETER (IN)	LENGTH (FT)	REMARKS
TO	FROM			
153+60	154+06	18	46	DRIVEWAY CULVERT
161+20	161+80	24	60	DRIVEWAY CULVERT
161+19	--	12	± 4'	SEE NOTE ON SHEET F2
165+03	165+54	18	51	DRIVEWAY CULVERT
166+47	166+97	18	50	DRIVEWAY CULVERT

603 CULVERT INSTALLATION

PIPE	INLET			OUTLET			LENGTH (FT)	SIZE	REMARKS	APPROX GRADE
	"TBC" LINE STATION	OFFSET	INVERT	"TBC" LINE STATION	OFFSET	INVERT				
P-1	S-1	TBC	50.02	153+00	14' RT	48.17	14	12" CPP		13.21%
P-2	154+06.43	13.50' RT	48.20	153+60.43	13.50' RT	47.65	46	24" CPP	DRIVEWAY CULVERT	1.20%
P-3	S-2	TBC	51.15	154+50	14' RT	49.62	14	12" CPP		10.93%
P-4	161+21.06	16' RT	51.75	S-4	14' RT	49.50	340	18" CPP		0.66%
P-5	S-4	13' RT	49.50	S-3	TBC	49.33	15	18" CPP		1.13%
P-6	S-3	--	49.33	S-5	--	48.58	150	18" CPP		0.50%
P-7	S-6	11' RT	49.25	S-5	TBC	48.58	13	12" CPP		5.15%
P-8	S-5	--	48.58	S-7	--	47.83	150	18" CPP		0.50%
P-9	S-7	--	47.83	S-8	--	45.51	116	18" CPP		2.00%
P-10	S-8	--	45.51	S-9	12.56' RT	44.82	20	18" CPP		3.45%
P-11	"O" LINE 168+97.10	"O" LINE 43.08' RT	45.22	"O" LINE 168+79.90	"O" LINE 32.87' RT	44.82	20	12" CPP		2.00%

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

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

[illegible] 4/25/13

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

ESTIMATE OF QUANTITIES

PATH: Q:\HNS\67555\EN\DOUG'S FILE\C_ESTIMATE OF QUANTITIES SHT.DWG
TAB: C2 Wednesday, April 24, 2013 4:56:33 PM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	C2	29

B
1-7-14

604(5) INLET, TYPE A & 604(8) 36" X 36" FIELD INLET

STRUCT. NO.	"TBC" LINE STATION	OFFSET	TOP BACK OF CURB ELEV./FIELD INLET GRATE ELEV.	STRUCT. TYPE	REMARKS
S-1	153+00	TBC	52.84 (TBC)	A	CURB INLET
S-2	154+50	TBC	53.89 (TBC)	A	CURB INLET
S-3	164+58.39	TBC	55.49 (TBC)	A	CURB INLET
S-4	164+58.39	14' RT	53.00	A	FIELD INLET
S-5	166+08.93	TBC	53.63 (TBC)	A	CURB INLET
S-6	166+08.93	12' RT	51.00	A	FIELD INLET
S-7	167+58.93	TBC	51.89 (TBC)	A	CURB INLET
S-8	168+74.89	TBC	50.96 (TBC)	A	CURB INLET
S-9	168+92.91	13.54' RT	49.30	~~36" X 36"~~ 72" MANHOLE WITH CIRCULAR FRAME AND GRATE	FIELD 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 SUMP DEPTH SHALL BE 18".

608(1B) CONCRETE SIDEWALK 6 INCHES THICK

"TBC" LINE STATION	DW WIDTH (FT)	6" CONC. WIDTH (FT)	AREA (SY)	REMARKS
153+84	34	49	28	
161+50.67	34	49	28	
165+28.32	34	49	28	
166+72.81	34	49	28	

608(6) CURB RAMP

"TBC" LINE STATION	REMARKS
152+48	SEE DETAIL SHT. J1
168+92	SEE DETAIL SHT. J1
200+06	SEE DETAIL SHT. J1
200+94	SEE DETAIL SHT. J1

608(1A) CONCRETE SIDEWALK 4 INCHES THICK

"TBC" LINE STATION FROM	"TBC" LINE STATION TO	LENGTH (FT)	AREA (SY)	REMARKS
152+22	152+35	14	7	
152+60	153+59	100	55	
154+08	161+26	720	400	
161+75	165+03	330	184	
165+52	166+48	96	54	
166+97	168+76	181	101	
200+18	200+84	67	37	

609(2) CURB AND GUTTER, TYPE 1

"TBC" LINE STATION FROM	"TBC" LINE STATION TO	LENGTH (LF)	REMARKS
152+22	169+02	1690	
200+00	200+97	100	

639(3) DRIVEWAY

"TBC" LINE STATION	WIDTH (FT)	LENGTH (FT)	REMARKS
153+84	49	10	
161+50.67	49	10	
165+28.32	49	10	
166+72.81	49	10	

604(4) ADJUST EXISTING MANHOLE

"TBC" LINE STATION	OFFSET	REMARKS
165+72	37.42' RT	FG = +/- 53.72

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

STATE OF ALASKA 49th KEITH E. KARPSTEIN CE-12984 REGISTERED PROFESSIONAL ENGINEER 4/25/13

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

ESTIMATE OF QUANTITIES

PATH: Q:\HNS\67555\EN\DOUG'S FILES\C_ESTIMATE OF QUANTITIES SHT.DWG

TAB: C3 Wednesday, April 24, 2013 3:40:10 PM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	C3	29

R
1-7-14

615(1) STANDARD SIGN SUMMARY

SIGN #	LEGEND	"O" LINE STATION	OFFSET	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	POST	EMBEDDED DEPTH	SIGN FACING	COMMENTS
1	ADVANCE SCHOOL CROSSING (SYMBOL)	151+16	LT	S1-1	36	36	9.00	2.5 PST	4'-6"	NB	
2	ADVANCE SCHOOL CROSSING (SYMBOL)	151+37	LT	S1-1	36	36	9.00	2.5 PST	4'-6"	EB	
3	DIAGONAL PLATE LEFT (SAME COLOR AS SIGN #1)	151+37	LT	W16-7PL	24	12	2.00	-	-	EB	MOUNT BELOW SIGN #2
4	ADVANCE SCHOOL CROSSING (SYMBOL)	151+61	RT	S1-1	36	36	9.00	2.5 PST	4'-6"	WB	
5	DIAGONAL PLATE LEFT (SAME COLOR AS SIGN #4)	151+61	RT	W16-7PL	24	12	2.00	-	-	WB	MOUNT BELOW SIGN #4
6	STOP	152+60	RT	R1-1	30	30	6.25	2.5 PST	4'-6"	SB	
7	Old Haines Hwy	152+60	RT	D3-1	42	8	2.33	-	-	EB/WB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN #6
8	3rd Ave	152+60	RT	D3-1	42	12	3.50	-	-	NB/SB	(USE FONT SERIES C, 6"/4" LETTER HEIGHT) MOUNT ABOVE SIGN #7
9	ADVANCE SCHOOL CROSSING (SYMBOL)	152+93	110' RT	S1-1	36	36	9.00	2.5 PST	4'-6"	SB	
10	SPEED LIMIT 35	153+15	RT	R2-1	30	36	7.50	2.5 PST	4'-6"	WB	
11	SCHOOL	153+15	RT	S4-3	36	12	3.00	-	-	WB	MOUNT BELOW SIGN #10
12	SPEED LIMIT 20	153+15	RT	R2-1	30	36	7.50	-	-	WB	MOUNT BELOW SIGN #11
13	WHEN CHILDREN ARE PRESENT	153+15	RT	S4-2	36	18	4.50	-	-	WB	MOUNT BELOW SIGN #12
14	FIRE TRUCK (SYMBOL)	154+50	LT	W11-8	36	36	9.00	2.5 PST	4'-6"	EB	
15	FIRE STATION	154+50	LT	W11-8A	36	36	9.00	-	-	EB	MOUNT BELOW SIGN #14
16	ADVANCE SCHOOL CROSSING (SYMBOL)	169+68	RT	S1-1	36	36	9.00	2.5 PST	4'-6"	SB	
17	SE. STATE FAIR ←	169+88	RT	CUSTOM	12	42	3.5	2.5 PST	4'-6"	WB	
18	ADVANCE SCHOOL CROSSING (SYMBOL)	170+18	RT	S1-1	36	36	9.00	2.5 PST	4'-6"	WB	
19	DIAGONAL PLATE LEFT (SAME COLOR AS SIGN #18)	170+18	RT	W16-7PL	24	12	2.00	-	-	WB	MOUNT BELOW SIGN #18
20	STOP	170+31	LT	R1-1	30	30	6.25	2.5 PST	4'-6"	SB	
21	Old Haines Hwy	170+31	LT	D3-1	42	8	2.33	-	-	EB/WB	(USE FONT SERIES C, 4"/3" LETTER HEIGHT) MOUNT ABOVE SIGN #20
22	Fair Dr	170+31	LT	D3-1	42	12	3.50	-	-	NB/SB	(USE FONT SERIES C, 6"/4" LETTER HEIGHT) MOUNT ABOVE SIGN #21
23	ADVANCE SCHOOL CROSSING (SYMBOL)	170+31	LT	S1-1	36	36	9.00	2.5 PST	4'-6"	NB	
24	ADVANCE SCHOOL CROSSING (SYMBOL)	170+32	LT	S1-1	36	36	9.00	2.5 PST	4'-6"	EB	
25	DIAGONAL PLATE LEFT (SAME COLOR AS SIGN #24)	170+32	LT	W16-7PL	24	12	2.00	-	-	EB	MOUNT BELOW SIGN #24
26	SCHOOL	170+72	LT	S4-3	36	12	3.00	2.5 PST	4'-6"	EB	
27	SPEED LIMIT 20	170+72	LT	R2-1	30	36	7.50	-	-	EB	MOUNT BELOW SIGN #26
28	WHEN CHILDREN ARE PRESENT	170+72	LT	S4-2	36	18	4.50	-	-	EB	MOUNT BELOW SIGN #27
29	SE. STATE FAIR →	171+12	LT	CUSTOM	12	42	3.5	2.5 PST	4'-6"	EB	
30	SPEED LIMIT 35	171+12	RT	R2-1	30	36	7.5	2.5 PST	4'-6"	WB	
31	END SCHOOL ZONE	171+12	RT	S5-2	24	30	5	-	-	WB	MOUNT BELOW SIGN #30
32	ADVANCE SCHOOL CROSSING (SYMBOL)	171+76	LT	S1-1	36	36	9.00	2.5 PST	4'-6"	EB	
33	AHEAD	171+76	LT	W16-9P	36	18	4.5	-	-	EB	MOUNT BELOW SIGN #32

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CHECKED BY: D. EPSTEIN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

STATE OF ALASKA
49th
DAVID S. EPSTEIN
CE-6866
REGISTERED PROFESSIONAL ENGINEER
5.15.13

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

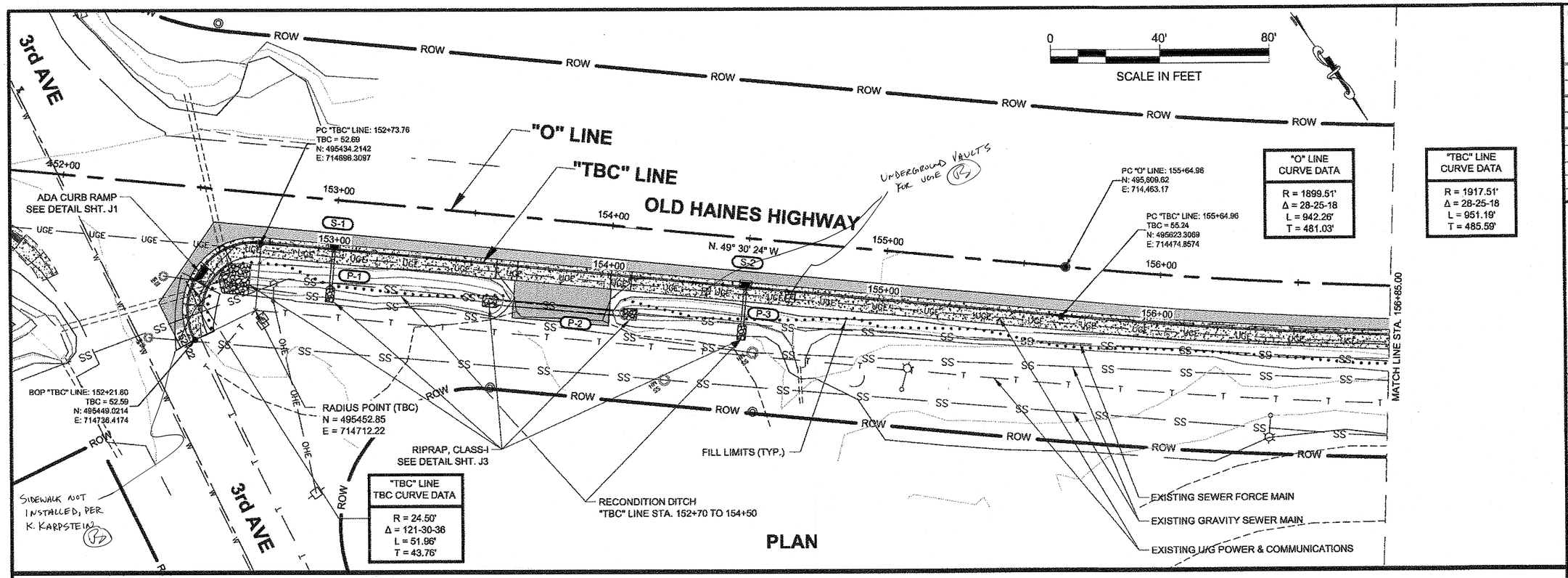
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

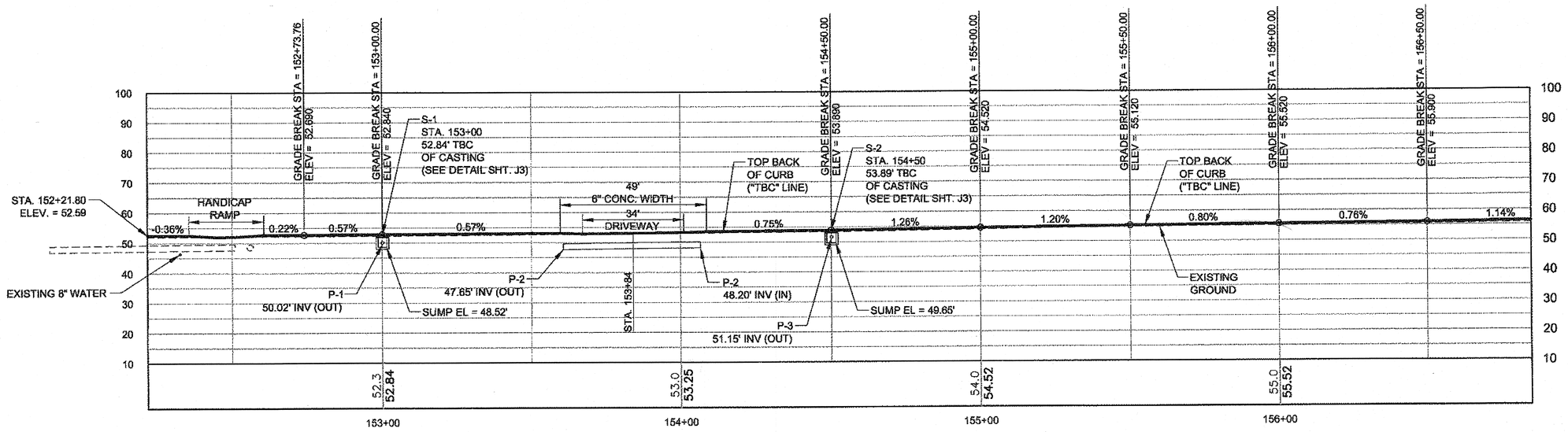
SIGN SUMMARY

PATH: Q:\HNS\67555\EN\DOUG'S FILES\D_SIGN SUMMARY SHT.DWG
TAB: D1 Wednesday, May 15, 2013 11:08:37 AM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007)~67555	2013	D1	29

03
1-7-14





(DIAL BEFORE YOU DIG)

NOTE:
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TBC STATIONING

PROFILE

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PATH: Q:\HNS\67555\EN\DOUG'S FILES\F_PLAN SHT.DWG

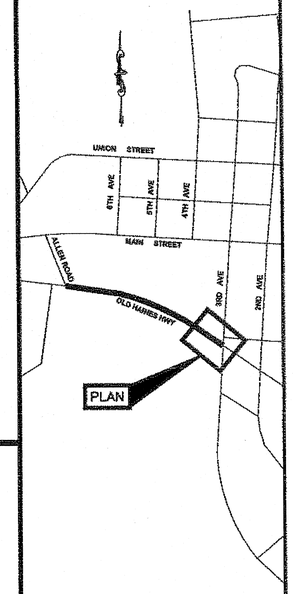
MULLINER, DOUGLAS J (DOT)
TAB: F1 Wednesday, May 15, 2013 8:27:02 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

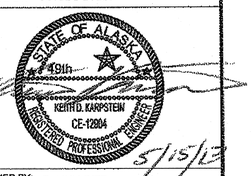
RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN



DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

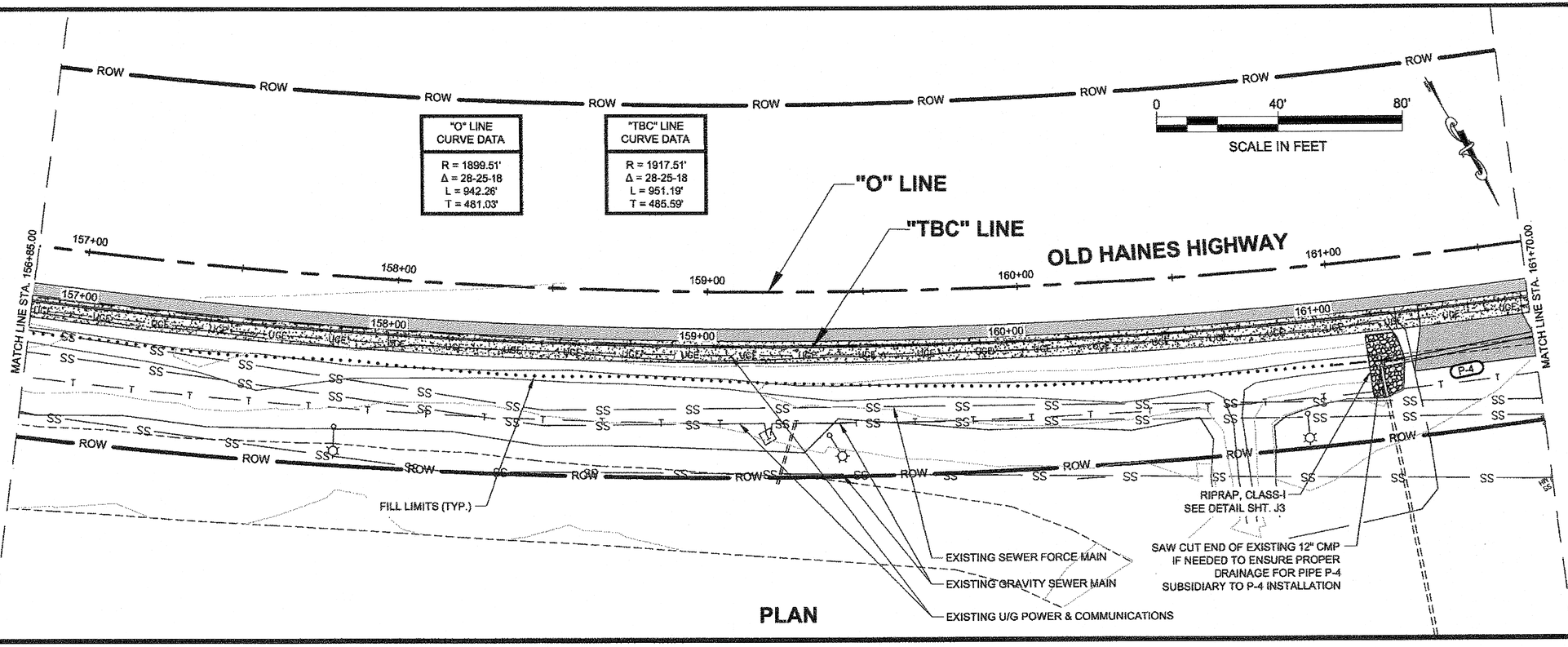
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

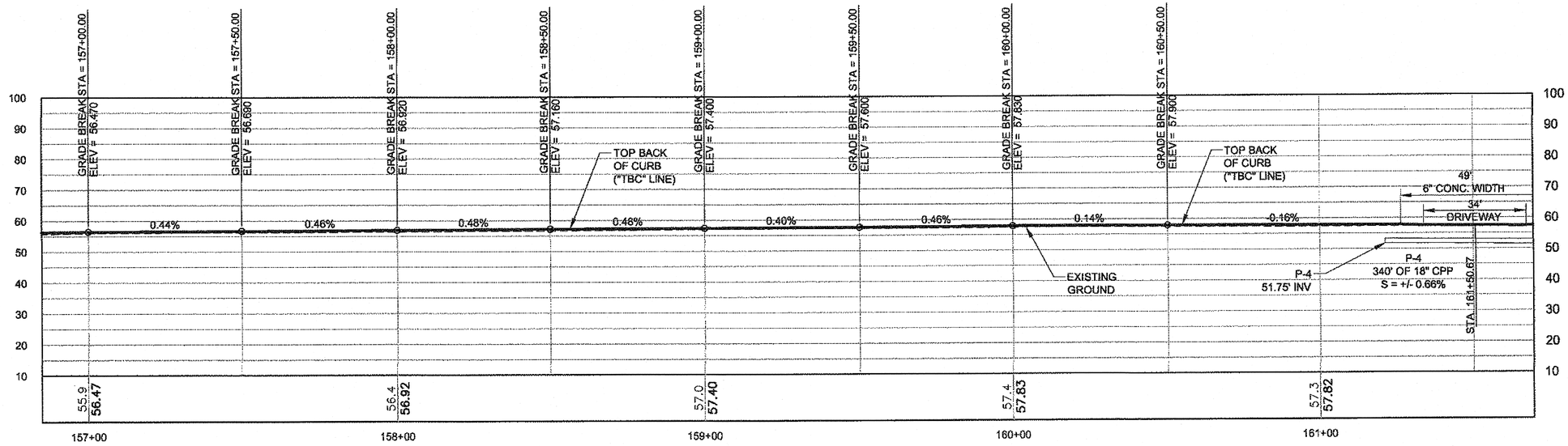
PLAN VIEW

PROJECT DESIGNATION	
SRTS-0987(007) ~ 67555	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F1	29

JB
1-7-14



PLAN



TBC STATIONING

PROFILE

(DIAL BEFORE YOU DIG)

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PATH: Q:\HNS\67555\EN\DOUG'S FILE\F_PLAN SHT.DWG

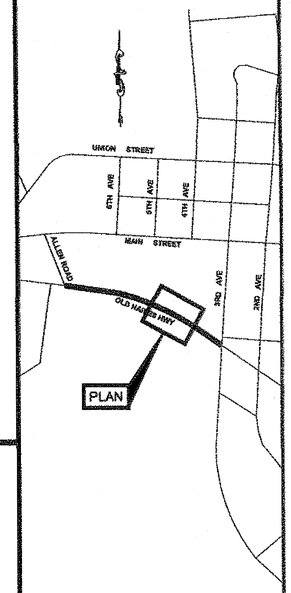
MULLINER, DOUGLAS J (DOT)
TAB: F2 Wednesday, April 24, 2013 4:24:48 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

STATE OF ALASKA
KEITH D. KARPSTEIN
CE-12804
REGISTERED PROFESSIONAL ENGINEER
49th
4/25/13

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

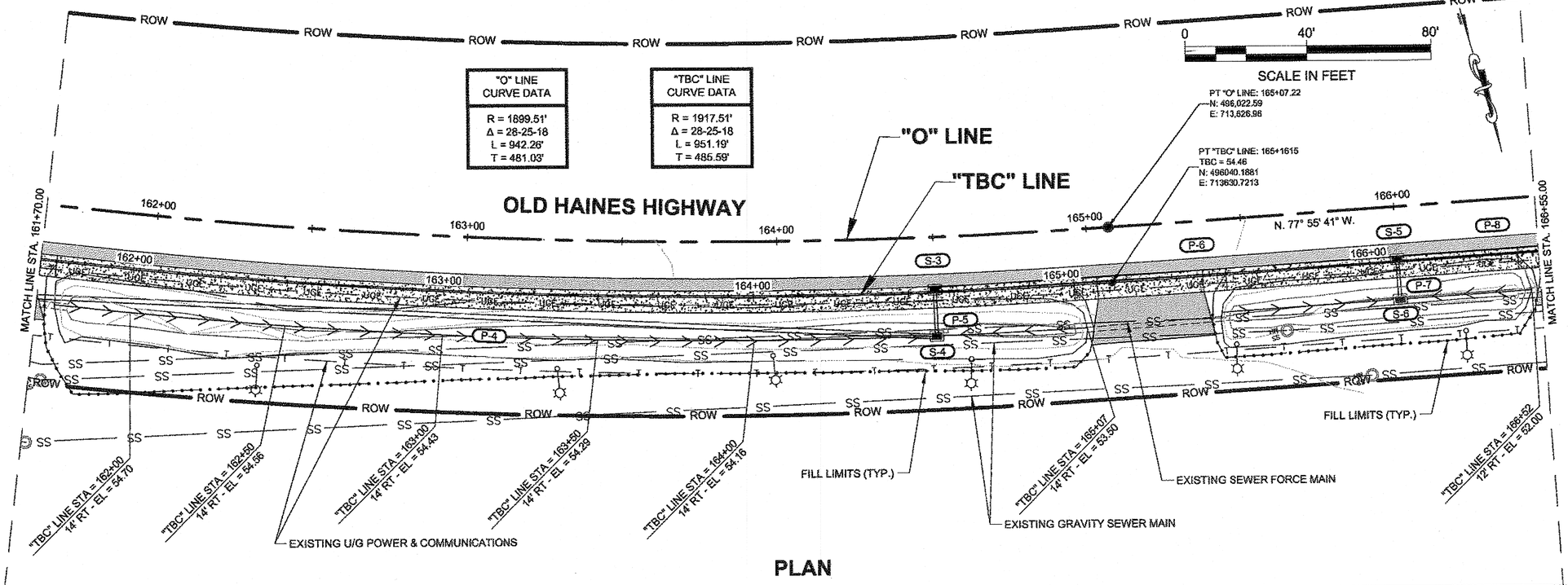
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

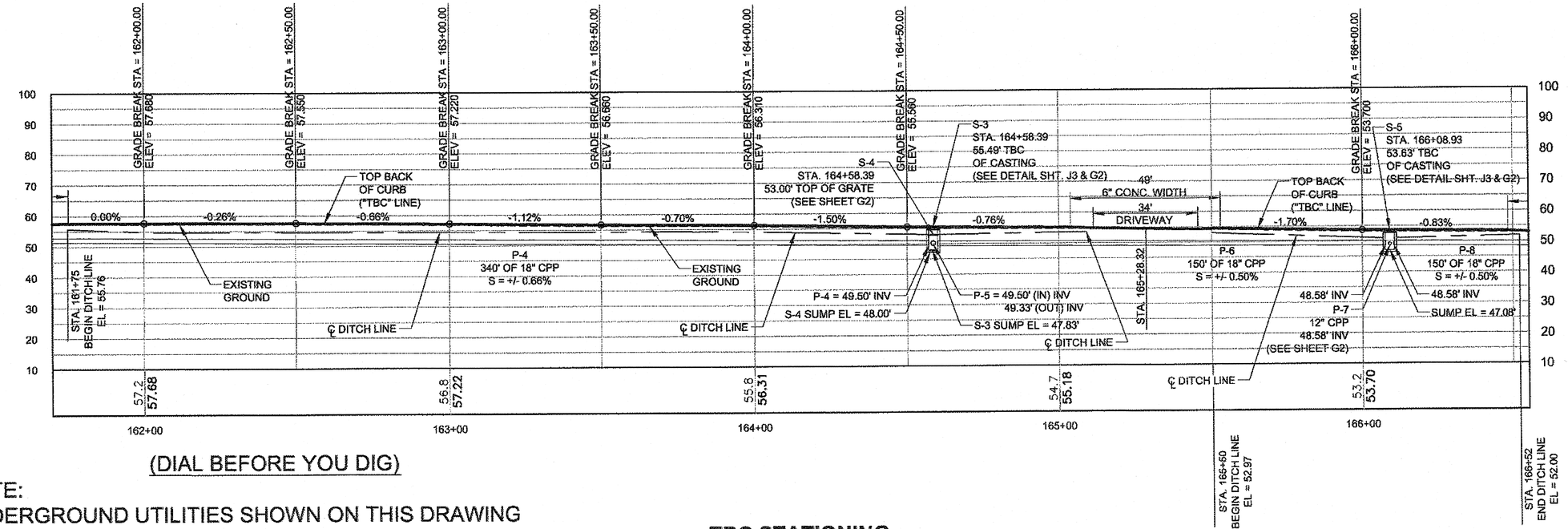
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

PLAN VIEW

PROJECT DESIGNATION	
SRTS-0987(007) ~ 67555	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F2	29

RB
1-7-14





(DIAL BEFORE YOU DIG)

NOTE:
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TBC STATIONING

PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH=Q:\HNS\67555\EM\DOUG'S FILE\F_PLAN SHT.DWG

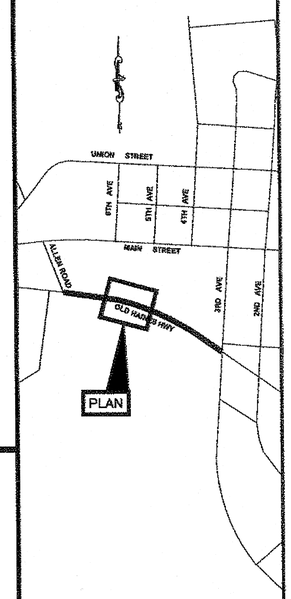
MULLINER, DOUGLAS J (DOT)
TAB: F3 Wednesday, April 24, 2013 4:25:01 PM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

STATE OF ALASKA 49th KEITH D. KARPSTEIN CE-12904 REGISTERED PROFESSIONAL ENGINEER
4/25/13

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

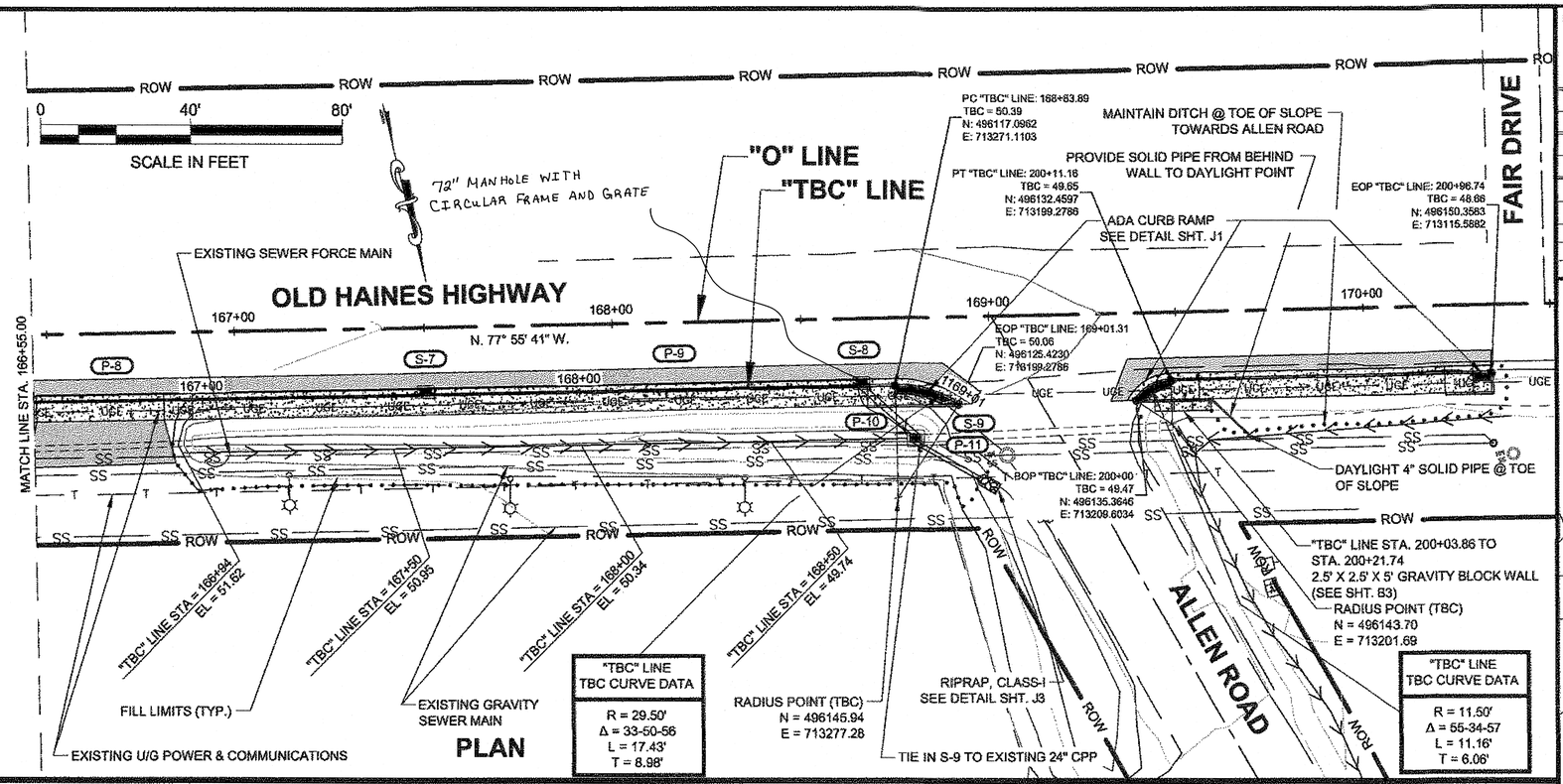
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

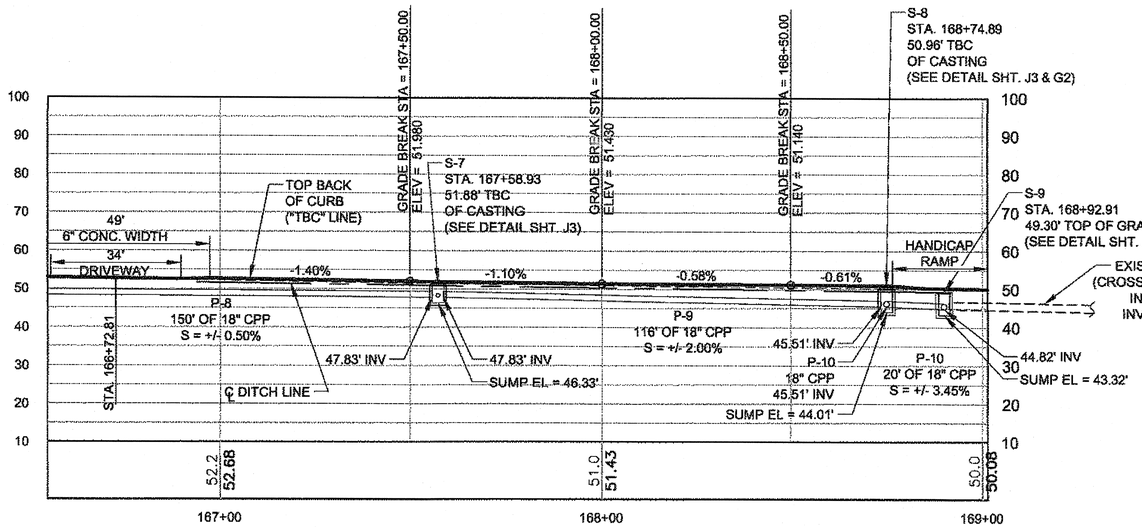
PLAN VIEW

PROJECT DESIGNATION
SRTS-0987(007) ~ 67555

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F3	29

F3
1-7-14

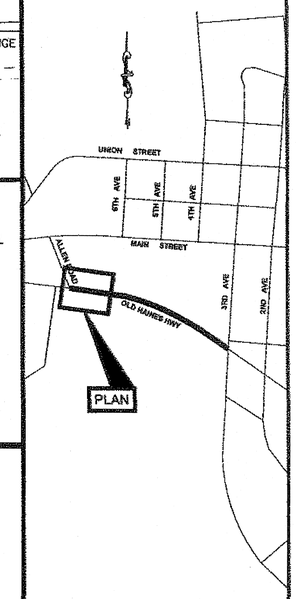




TBC STATIONING

PROFILE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN LEGEND

PATH: Q:\HNS\67555\EN\DOUG'S FILE\F_PLAN SHT.DWG

MULLINER, DOUGLAS J (DOT)

TAB: F4 Wednesday, May 15, 2013 8:28:49 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

CHECKED BY: K. KARPSTEIN

STATE OF ALASKA
KEITH D. KARPSTEIN
CE-12994
REGISTERED PROFESSIONAL ENGINEER
5/15/13

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY SIDEWALK 3rd AVENUE TO ALLEN ROAD
PROJECT #67555

PLAN VIEW

PROJECT DESIGNATION	
SRTS-0987(007) ~ 67555	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F4	29

B3
1-7-14

"O" LINE & "TBC" LINE - STA'S/ELEV'S/NORTHINGS/EASTINGS					
STA "O" LINE	STA "TBC" LINE	TBC ELEV.	"TBC" LINE NORTHING	"TBC" LINE EASTING	REMARKS
152+52.87	152+21.80	52.59	495449.0214	714736.4174	BOP
152+49.26	152+35.59	52.54	495436.9824	714730.8878	BEGIN RAMP
152+51.04	152+44.67	51.99	495431.1235	714723.5466	RAMP LANDING
152+54.09	152+50.92	52.09	495428.9669	714717.8943	RAMP LANDING
152+61.01	152+60.35	52.66	495428.6567	714708.3343	END RAMP
152+73.76	152+73.76	52.69	495434.2142	714696.3097	PC
153+00	153+00	52.84	495451.2534	714676.3546	S-1
153+50	153+50	53.14	495483.7213	714638.3304	
153+59.50	153+59.50	53.18	495489.8902	714631.1058	TOP DRIVEWAY
153+67	153+67	52.92	495494.753	714625.4108	BOTTOM DRIVEWAY
154+01	154+01	53.26	495516.8312	714599.5544	BOTTOM DRIVEWAY
154+08.50	154+08.50	53.58	495521.7087	714593.8422	TOP DRIVEWAY
154+50	154+50	53.89	495548.6571	714562.282	S-2
155+00	155+00	54.52	495581.1249	714524.258	
155+50	155+50	55.12	495613.5928	714486.2338	
155+64.96	155+64.96	55.24	495623.3069	714474.8574	PC
155+99.67	156+00	55.52	495645.8162	714448.0034	
156+49.20	156+50	55.90	495677.0771	714408.9827	
156+98.73	157+00	56.47	495707.3101	714369.1603	
157+48.26	157+50	56.69	495736.4945	714328.5631	
157+97.79	158+00	56.92	495764.6105	714287.2189	
158+47.32	158+50	57.16	495791.639	714245.1556	
158+96.86	159+00	57.40	495817.5617	714202.402	
159+46.39	159+50	57.60	495842.3608	714158.987	
159+95.92	160+00	57.83	495866.0195	714114.9401	
160+45.45	160+50	57.90	495888.5218	714070.2915	
160+94.98	161+00	57.84	495909.8524	714025.0713	
161+20.90	161+26.17	57.78	495920.5373	714001.1918	TOP DRIVEWAY
161+28.32	161+33.67	57.49	495923.5474	713994.3166	BOTTOM DRIVEWAY
161+62.01	161+67.67	57.41	495936.828	713963.018	BOTTOM DRIVEWAY
161+69.44	161+75.17	57.68	495939.6828	713956.0825	TOP DRIVEWAY
161+94.04	162+00	57.67	495948.934	713933.0369	
162+43.57	162+50	57.55	495966.6725	713886.2908	

"O" LINE & "TBC" LINE - STA'S/ELEV'S/NORTHINGS/EASTINGS					
STA "O" LINE	STA "TBC" LINE	TBC ELEV.	"TBC" LINE NORTHING	"TBC" LINE EASTING	REMARKS
162+93.10	163+00	57.22	495983.1791	713839.0956	
163+42.63	163+50	56.66	495998.4496	713791.4861	
163+92.16	164+00	56.31	496012.4736	713743.4945	
164+41.69	164+50	55.56	496025.2416	713695.1537	
164+50	164+58.39	55.49	496027.2595	713687.0135	S-3
164+91.22	165+00	55.19	496036.7448	713646.4964	
164+95.01	165+03.82	55.15	496037.5718	713642.7656	TOP DRIVEWAY
165+02.44	165+11.32	54.83	496039.1731	713635.4385	BOTTOM DRIVEWAY
165+07.22	165+16.15	54.46	496040.1881	713630.7213	PT
165+36.39	165+45.32	54.30	496046.2897	713602.1916	BOTTOM DRIVEWAY
165+43.89	165+52.82	54.50	496047.8582	713594.8575	TOP DRIVEWAY
165+91.07	166+00	53.70	496057.7251	713548.7222	
166+00	166+08.93	53.63	496059.5924	713539.9908	S-5
166+39.38	166+48.31	53.30	496067.8281	713501.4825	TOP DRIVEWAY
166+46.88	166+55.81	52.89	496069.3966	713494.1483	BOTTOM DRIVEWAY
166+80.88	166+89.81	52.49	496076.5073	713460.9002	BOTTOM DRIVEWAY
166+88.38	166+97.31	52.72	496078.0759	713453.566	TOP DRIVEWAY
166+91.07	167+00	52.67	496078.6389	713450.9336	
167+41.07	167+50	51.98	496089.0958	713402.0393	
167+50	167+58.93	51.89	496090.9631	713393.3079	S-7
167+91.07	168+00	51.43	496099.5527	713353.145	
168+41.07	168+50	51.14	496110.0096	713304.2506	
168+65.96	168+74.89	51.00	496115.2149	713279.9114	S-8
168+67.46	168+76.39	50.98	496115.5286	713278.4446	BEGIN RAMP
168+74.96	168+83.89	50.39	496117.0962	713271.1103	PC (BEGIN RAMP LANDING)
168+91.39	169+01.31	50.06	496125.423	713256.0882	END RAMP LANDING @ TBC
169+38.93	200+00	49.47	496135.3646	713209.6034	BOP
169+48.42	200+11.16	49.65	496132.4597	713199.2786	PT (END RAMP LANDING)
169+55.92	200+18.66	50.02	496134.0278	713191.9465	END RAMP LANDING @ TBC
169+87.26	200+50	49.63	496140.5829	713161.2958	
170+21.50	200+84.24	49.39	496147.7441	713127.8118	BEGIN RAMP
170+29.00	200+91.74	48.74	496149.3126	713120.4777	BEGIN RAMP LANDING
170+34.00	200+96.74	48.66	496150.3583	713115.5882	EOP

NOTE:

CONTRACTOR SHALL VERIFY ALL ELEVATIONS IN THE FIELD PRIOR TO SETTING FORMS. TBC ELEVATIONS SHALL BE ESTABLISHED BASED ON EXISTING PAVEMENT SURFACE ELEVATIONS AND TYPICAL SECTIONS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: K. KARPSTEIN

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

4/25/13

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

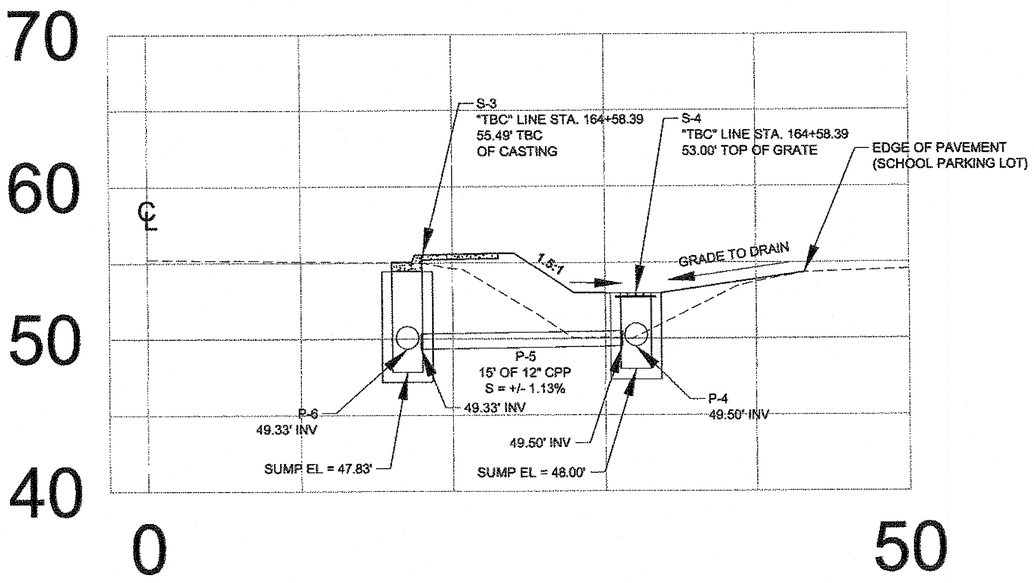
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

PROFILE

PATH: Q:\HNS\67555\EN\DOUG'S FILE\G_PROFILE SHT.DWG
TAB: G1 Friday, April 19, 2013 11:33:33 AM MULLINER, DOUGLAS J (DOT)

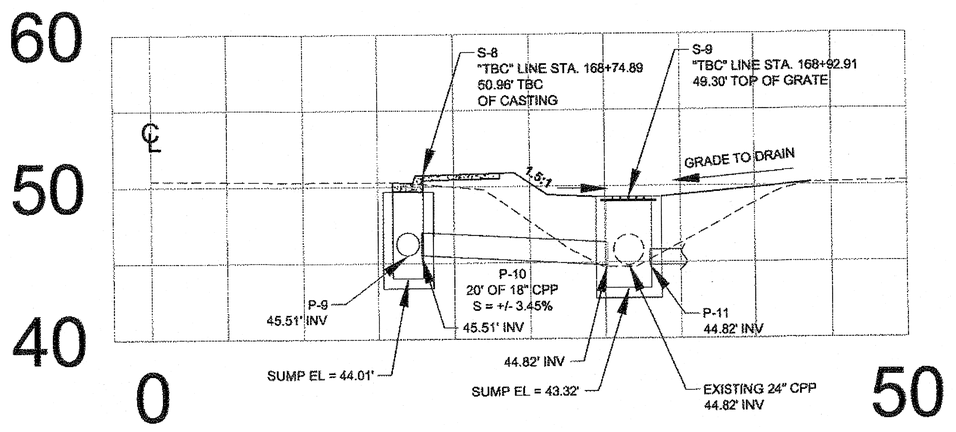
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			SRTS-0987(007) ~ 67555	2013	G1	29

DS
1-7-14



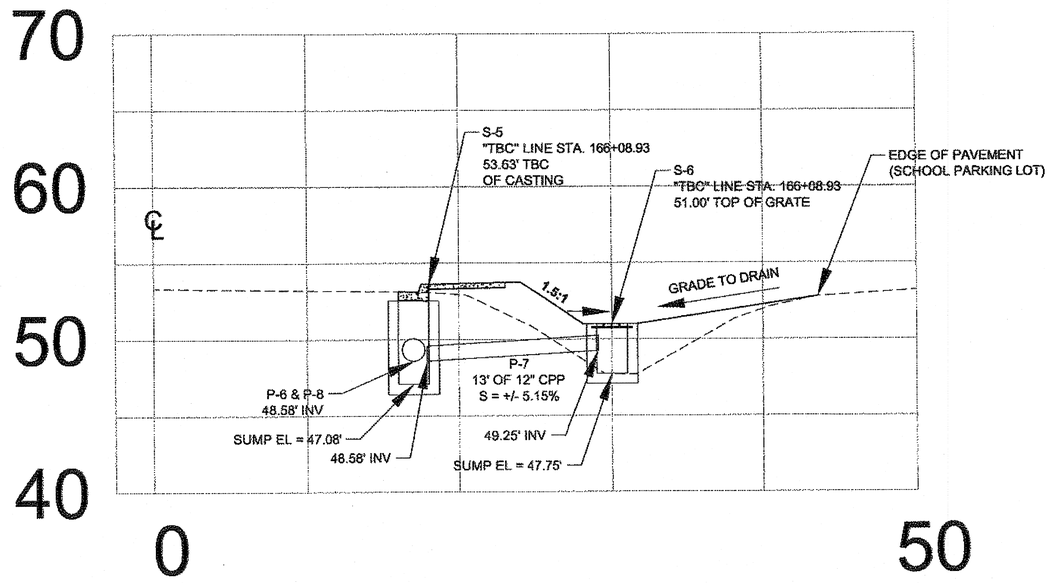
CATCH BASINS S-3 & S-4

N.T.S.



CATCH BASINS S-8 & S-9

N.T.S.



CATCH BASINS S-5 & S-6

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-OLD HAINES HIGHWAY SIDEWALK 3rd AVENUE TO ALLEN ROAD PROJECT #67555
DESIGNED BY: D. MULLINER	PROFILE
DRAWN BY: D. MULLINER	

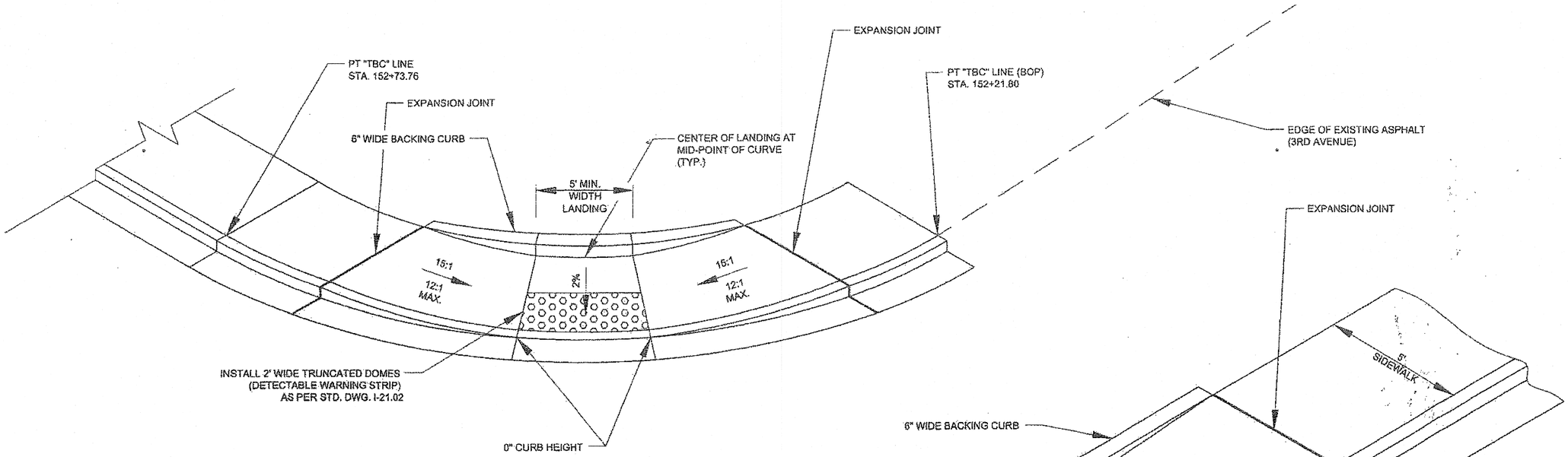
STATE OF ALASKA · 49th · KEITH B. KARPSTEIN · CE-12904 · REGISTERED PROFESSIONAL ENGINEER

4/25/13

PATH: Q:\HNS\67555\EN\DOUG'S FILES\G_PROFILE SHT.DWG
TAB: G2 Wednesday, April 24, 2013 4:56:51 PM MULLINER, DOUGLAS J (DOT)

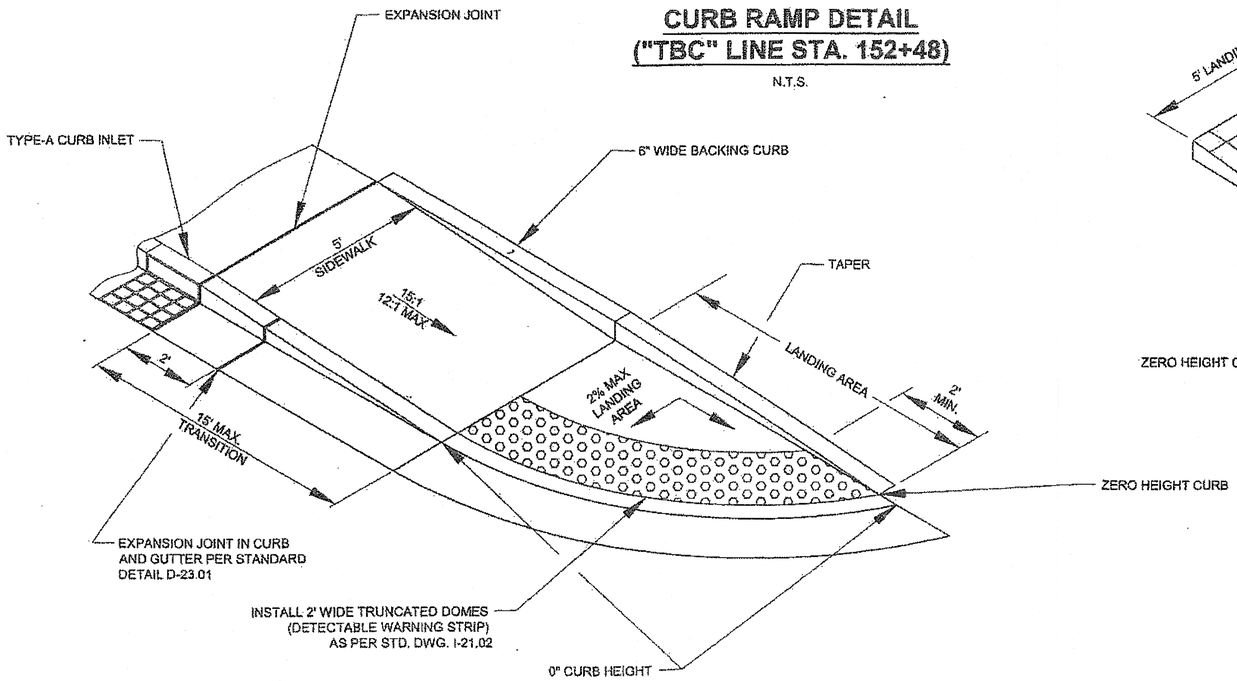
REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	G2	29

GB
1-7-14



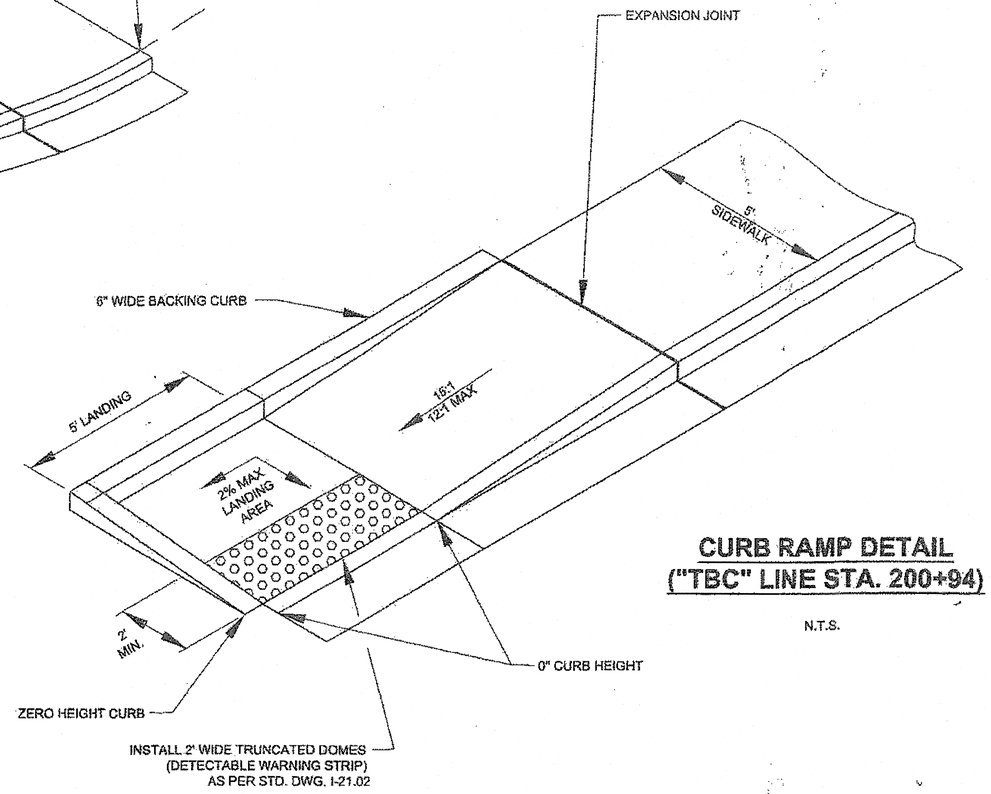
CURB RAMP DETAIL
("TBC" LINE STA. 152+48)

N.T.S.



ONE WAY DIRECTIONAL CURB RAMP
("TBC" LINE STA. 168+92 & 200+06)

N.T.S.



CURB RAMP DETAIL
("TBC" LINE STA. 200+94)

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-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

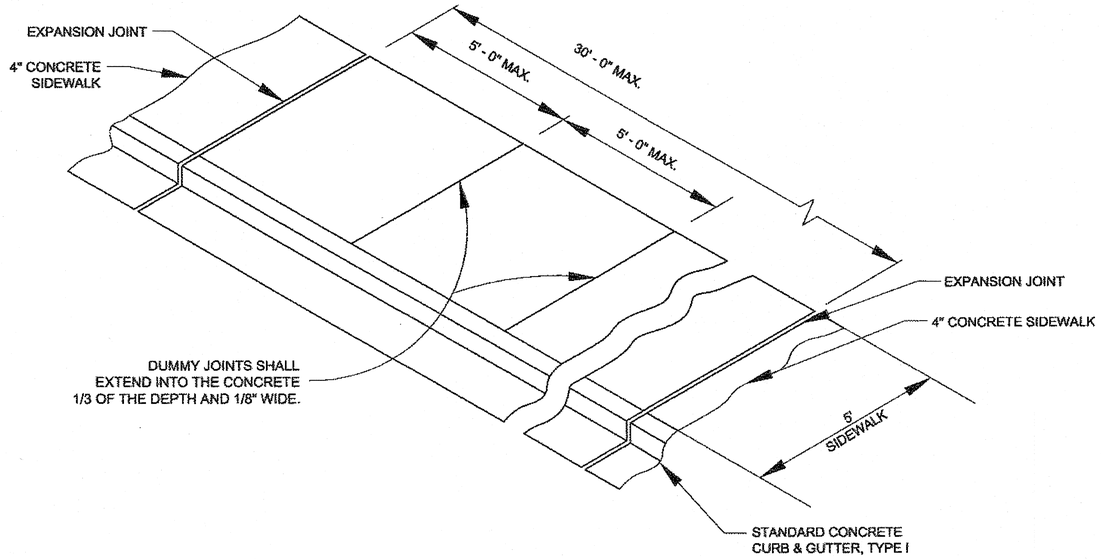
MISC. DETAILS

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

PATH: Q:\HNS\67555\ENG\DOUG'S FILES_DETAIL SHT.DWG
TAB: J1 Wednesday, June 05, 2013 11:16:55 AM MULLINER, DOUGLAS J (DOT)

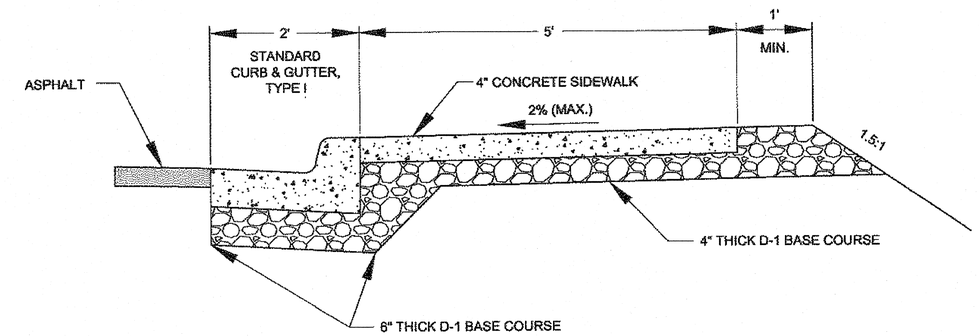
REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	J1	29

B
1-7-14



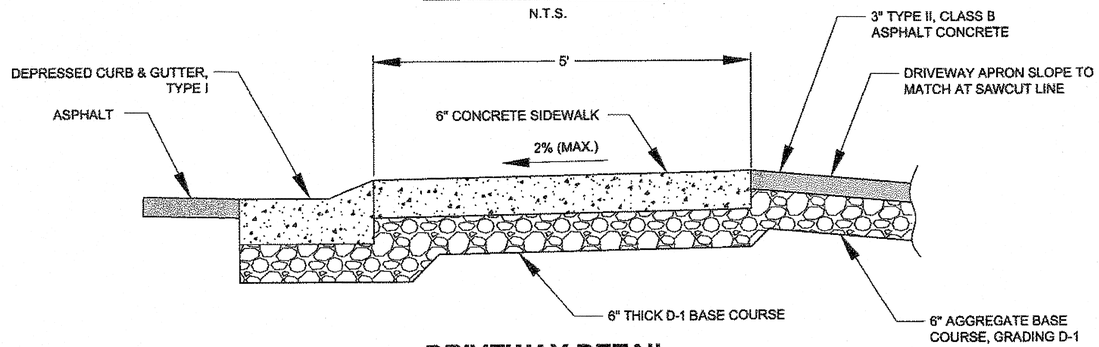
TYPICAL SIDEWALK, CURB & GUTTER DETAIL

N.T.S.



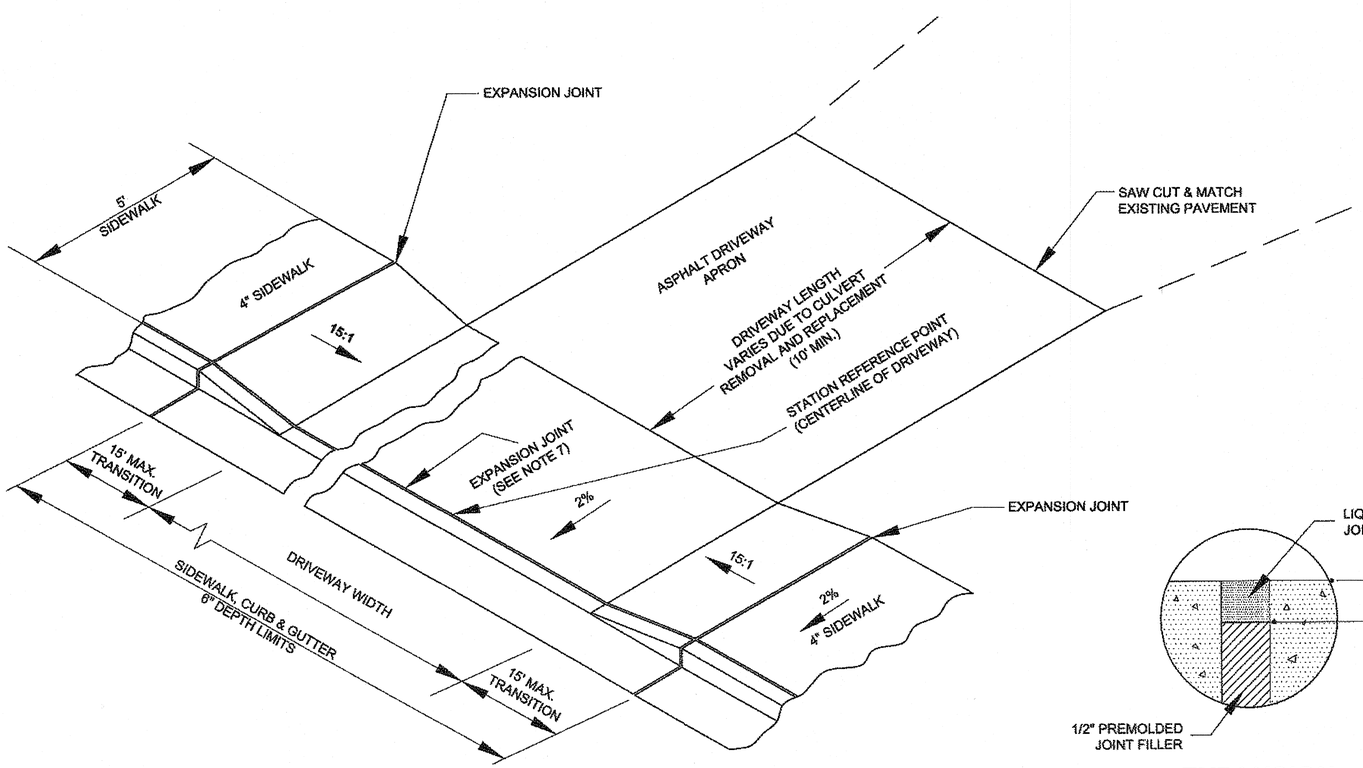
SIDEWALK DETAIL

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. FOR CURBS, DUMMY JOINTS SHALL HAVE 10' MAXIMUM SPACING.
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
DESIGNED BY: D. MULLINER
DRAWN BY: D. MULLINER

STATE OF ALASKA
KEITH B. KARPSTEIN
CE-12904
REGISTERED PROFESSIONAL ENGINEER
4/25/13

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

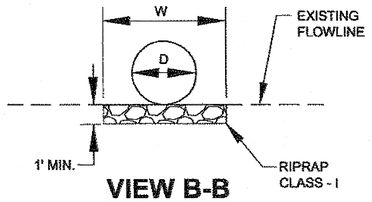
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

MISC. DETAILS

PATH: Q:\HNS\67555\ENDOUG'S FILES_DETAIL SHT.DWG
TAB: J2 Wednesday, April 24, 2013 5:18:47 PM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	J2	29

DB
1-7-14

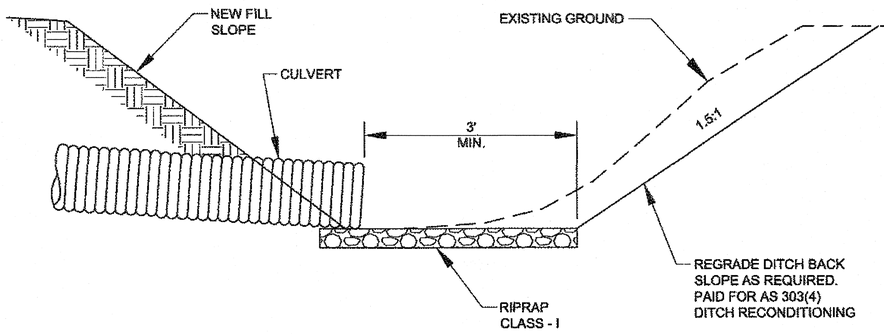


VIEW B-B

N.T.S.

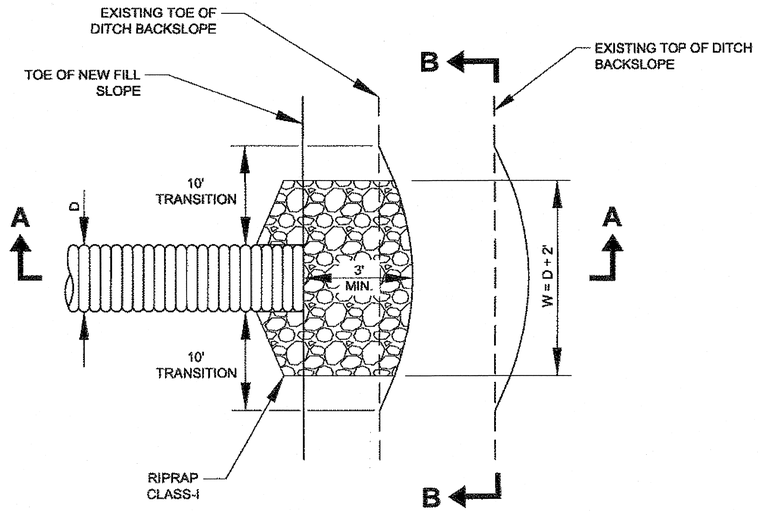
NOTES:

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



SECTION A-A

N.T.S.

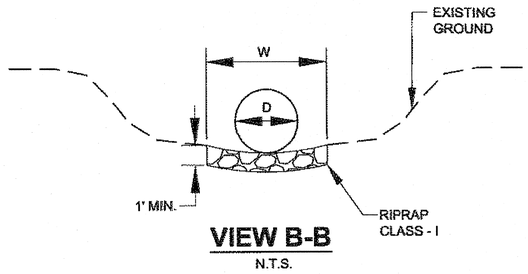


PLAN

N.T.S.

RIPRAP LINED OUTLET APRON DETAIL (INLET OUTFALLS)

N.T.S.

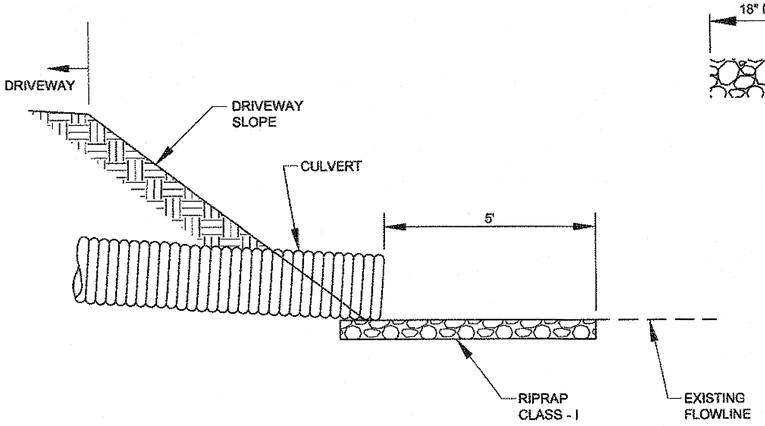


VIEW B-B

N.T.S.

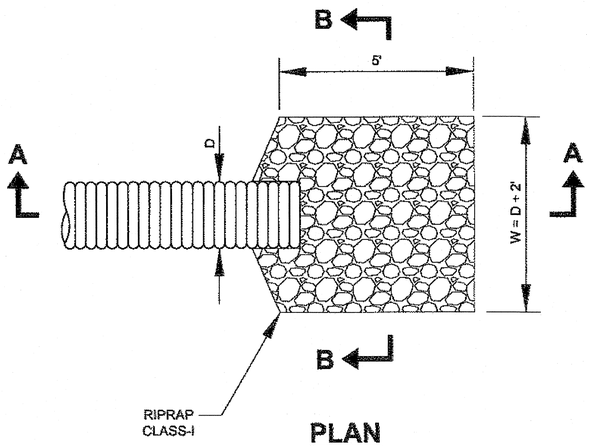
NOTES:

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



SECTION A-A

N.T.S.

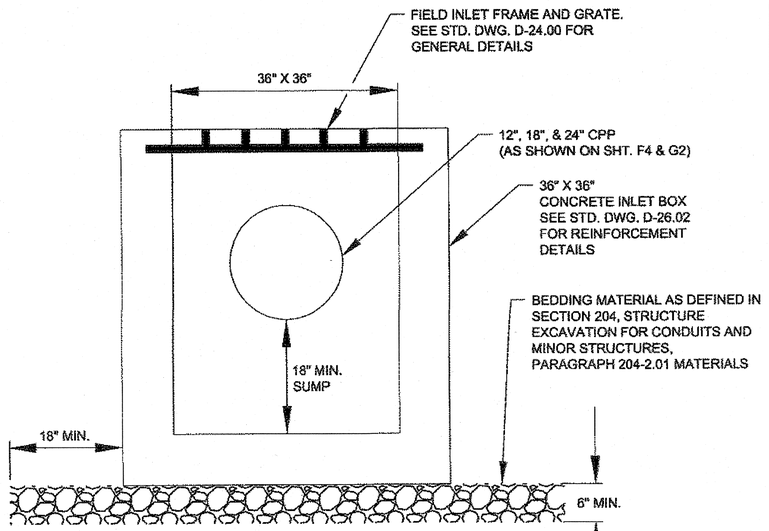


PLAN

N.T.S.

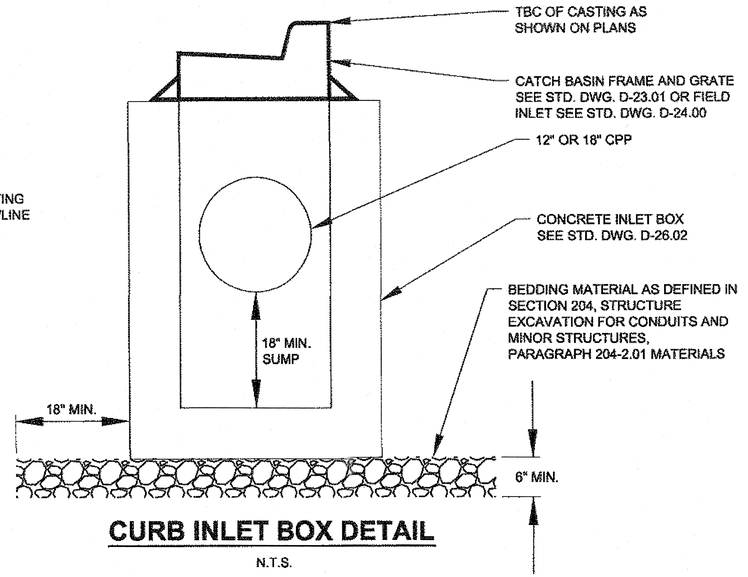
RIPRAP LINED OUTLET / INLET APRON DETAIL (DRIVEWAY CULVERTS)

N.T.S.



S-9 FIELD INLET BOX DETAIL (SEE SHEETS F4 & G2)

N.T.S.



CURB INLET BOX 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

STATE OF ALASKA 49th KEITH L. KARPSTEIN CE-12904 REGISTERED PROFESSIONAL ENGINEER 4/25/13

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

MISC. DETAILS

PATH: Q:\HNS\67555\EN\DOUG'S FILES_DETAIL SHT.DWG
TAB: J3 Wednesday, April 24, 2013 11:02:47 AM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	J3	29

B
1-7-14

PATH: Q:\HNS\67555\EN\DOUG'S FILE\P_ESCP SHT.DWG

MULLINER, DOUGLAS J (DOT)
TAB: P1 Wednesday, May 15, 2013 10:52:32 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

0 40' 80'
SCALE IN FEET

3rd AVE

"O" LINE

OLD HAINES HIGHWAY

PC "O" LINE: 155+64.96

151+00 152+00 153+00 154+00 155+00 156+00

MATCH LINE STA. 156+25.00

S-1 S-2 P-1 P-2 P-3

RECONDITION DITCH FOR DRAINAGE

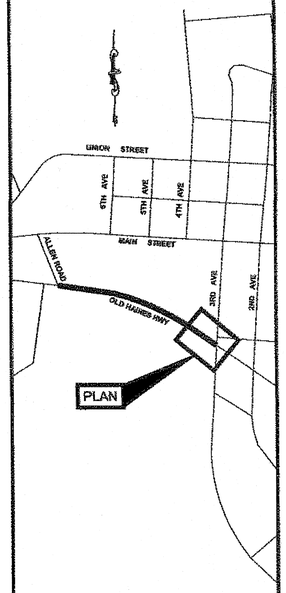
FILL LIMITS (TYP.)

ROW UGE SS T FR

LEGEND

- FILL LIMITS
- CUT LIMITS
- DITCH FLOW DIRECTION
- PROFILE FLOW
- SURFACE FLOW
- CULVERT FLOW
- RIP RAP
- INLET PROTECTION
- FR FR FIBER ROLL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN LEGEND

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

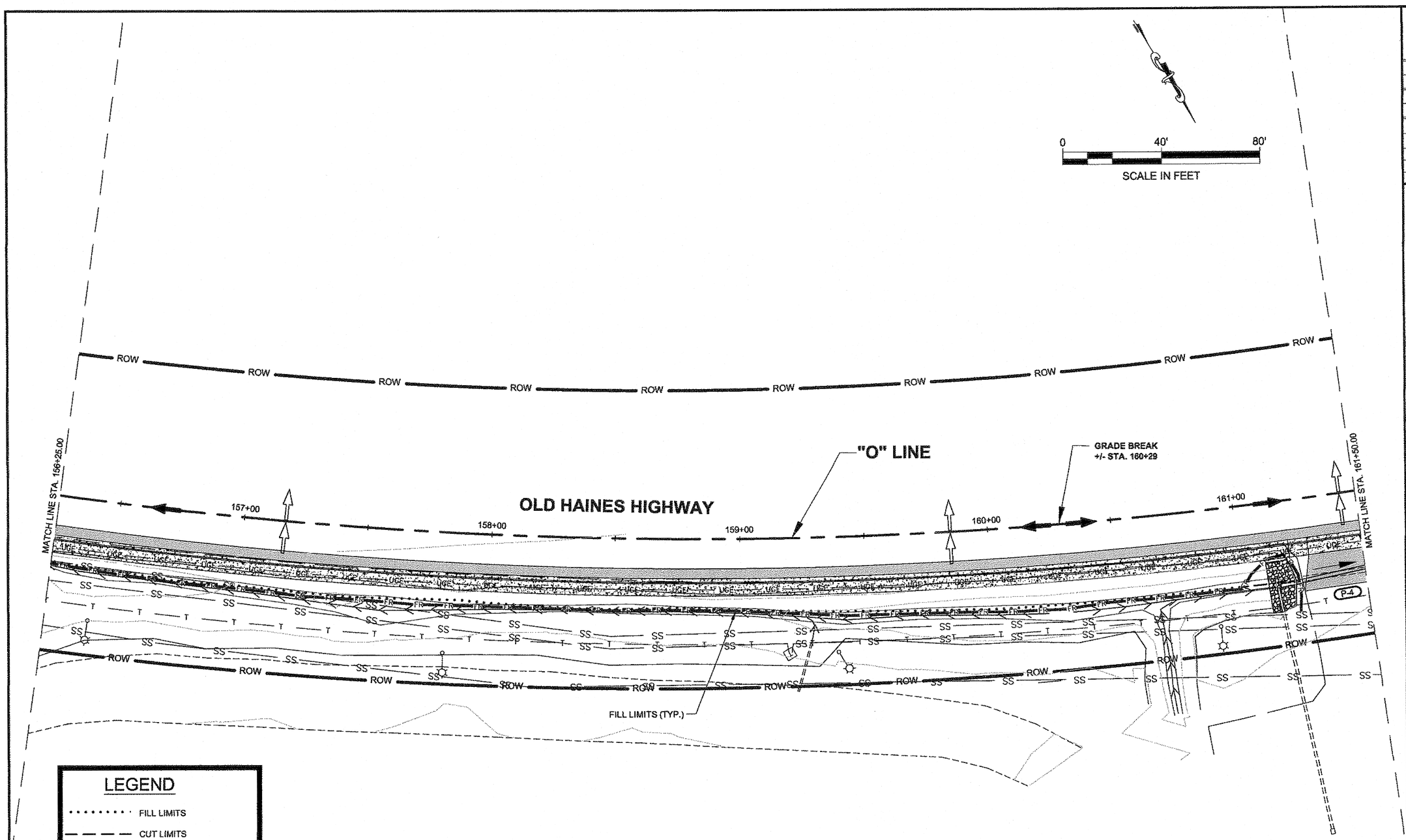
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION
SRTS-0987(007) ~ 67555

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P1	29

B
1-7-14



LEGEND

- FILL LIMITS
- CUT LIMITS
- DITCH FLOW DIRECTION
- PROFILE FLOW
- SURFACE FLOW
- CULVERT FLOW
- RIP RAP
- INLET PROTECTION
- FR FR FIBER ROLL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\HNS\67555\ENI\DOUG'S FILE\P_ESCP SHT.DWG

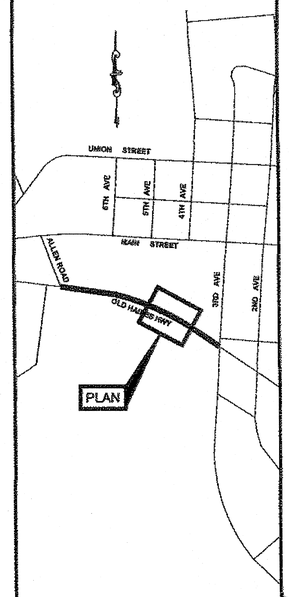
MULLINER, DOUGLAS J (DOT)
TAB: P2 Thursday, April 25, 2013 9:35:38 AM

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 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

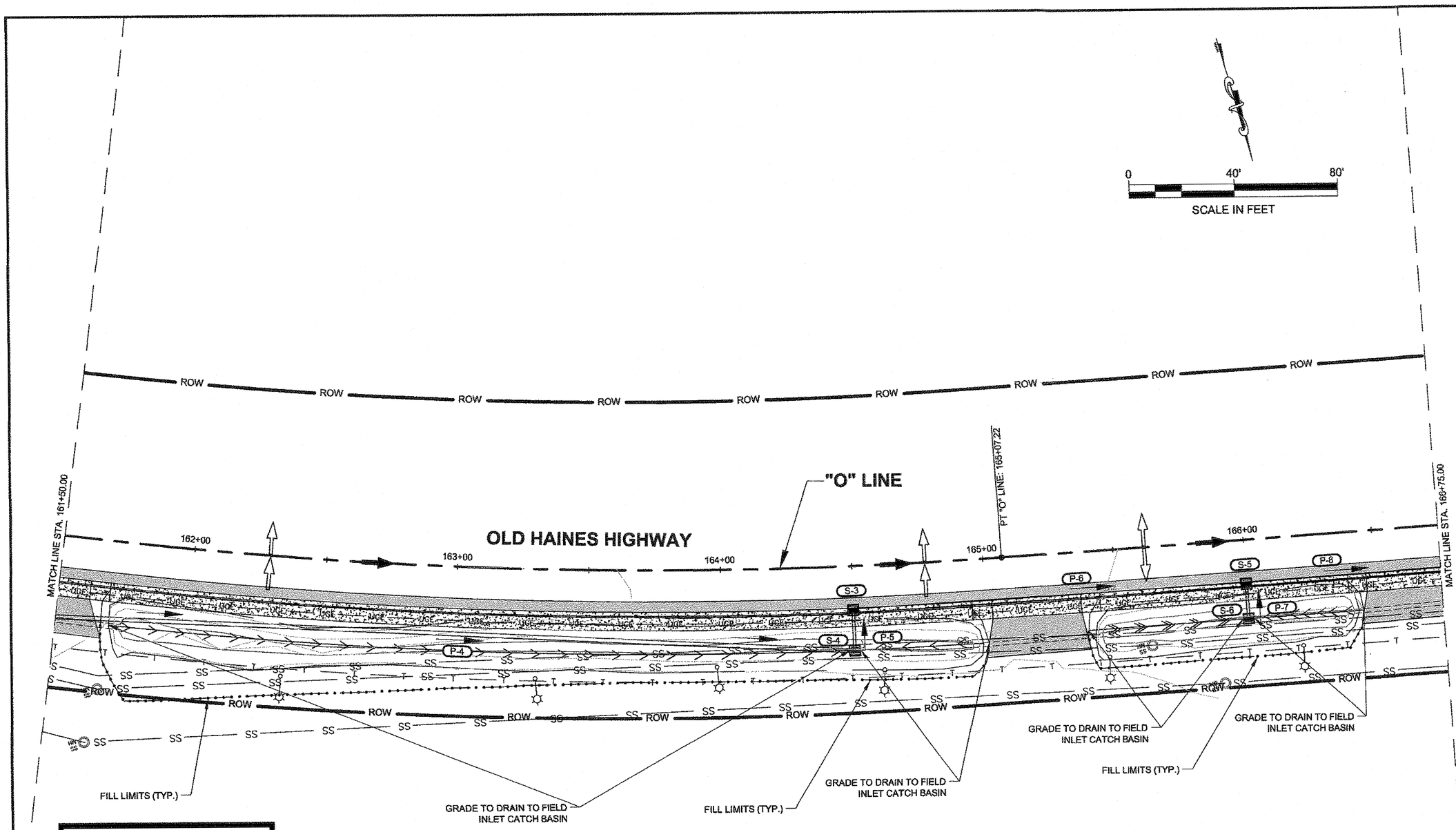
EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION
SRTS-0987(007) ~ 67555

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
P2	29

B
1-7-14



LEGEND

- FILL LIMITS
- CUT LIMITS
- DITCH FLOW DIRECTION
- PROFILE FLOW
- SURFACE FLOW
- CULVERT FLOW
- RIP RAP
- INLET PROTECTION
- FR FR FIBER ROLL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: Q:\HNS\67555\EN\DOUG'S FILE\P_ESCP SHT.DWG

MULLINER, DOUGLAS J (DOT)
TAB: P3 Thursday, April 25, 2013 8:35:50 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

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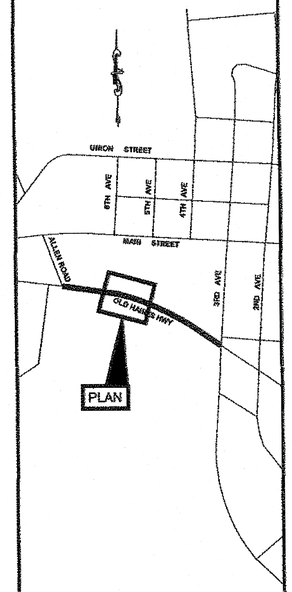


PLAN LEGEND

CHECKED BY: K. KARPSTEIN

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

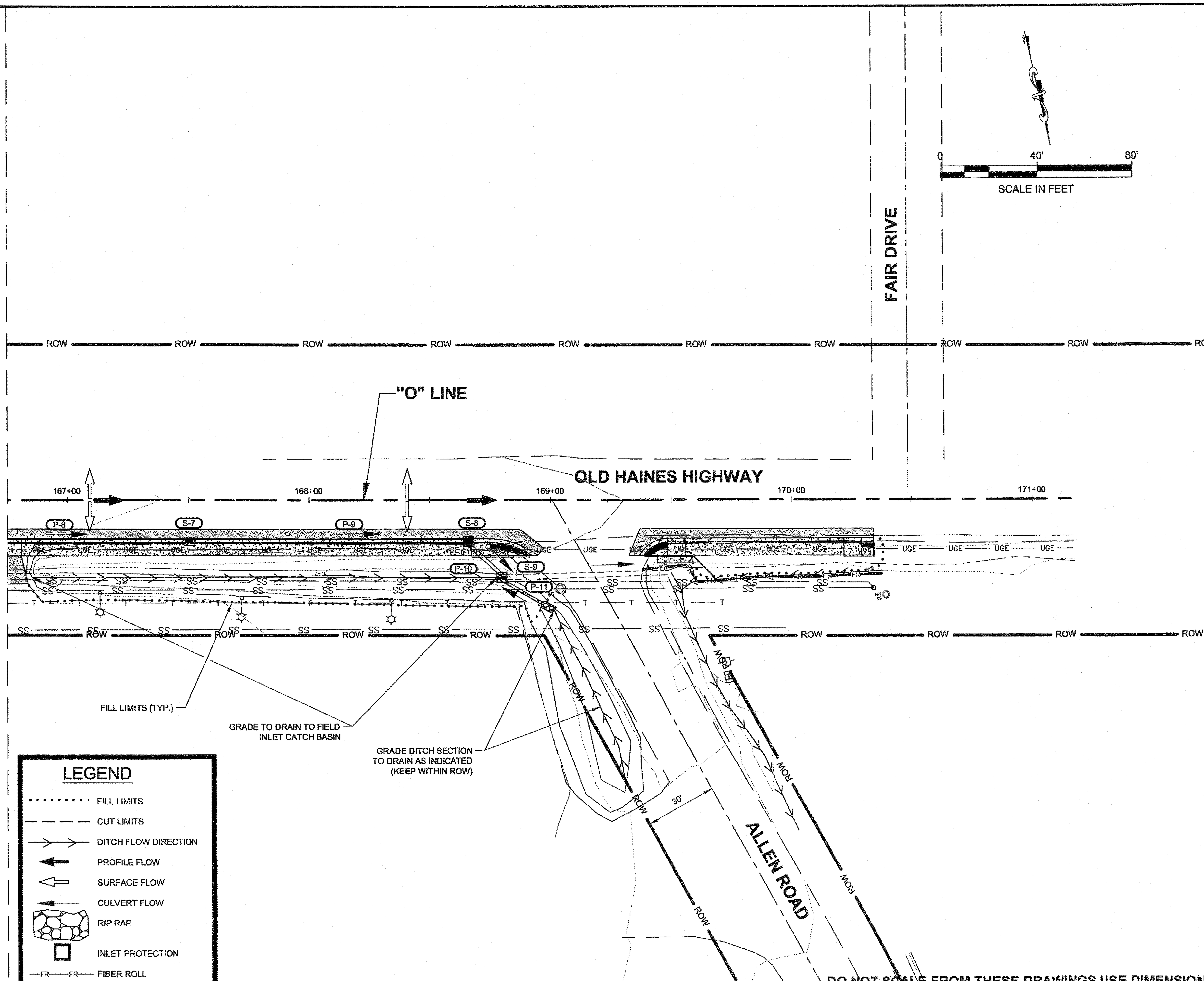
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION
SRTS-0987(007) ~ 67555

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P3	29

DB
1-7-14



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:Q:\HNS\67555\EN\DOUG'S FILE\P_ESCP SHT.DWG

MULLINER, DOUGLAS J (DOT)
TAB: P4 Wednesday, May 15, 2013 10:52:20 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

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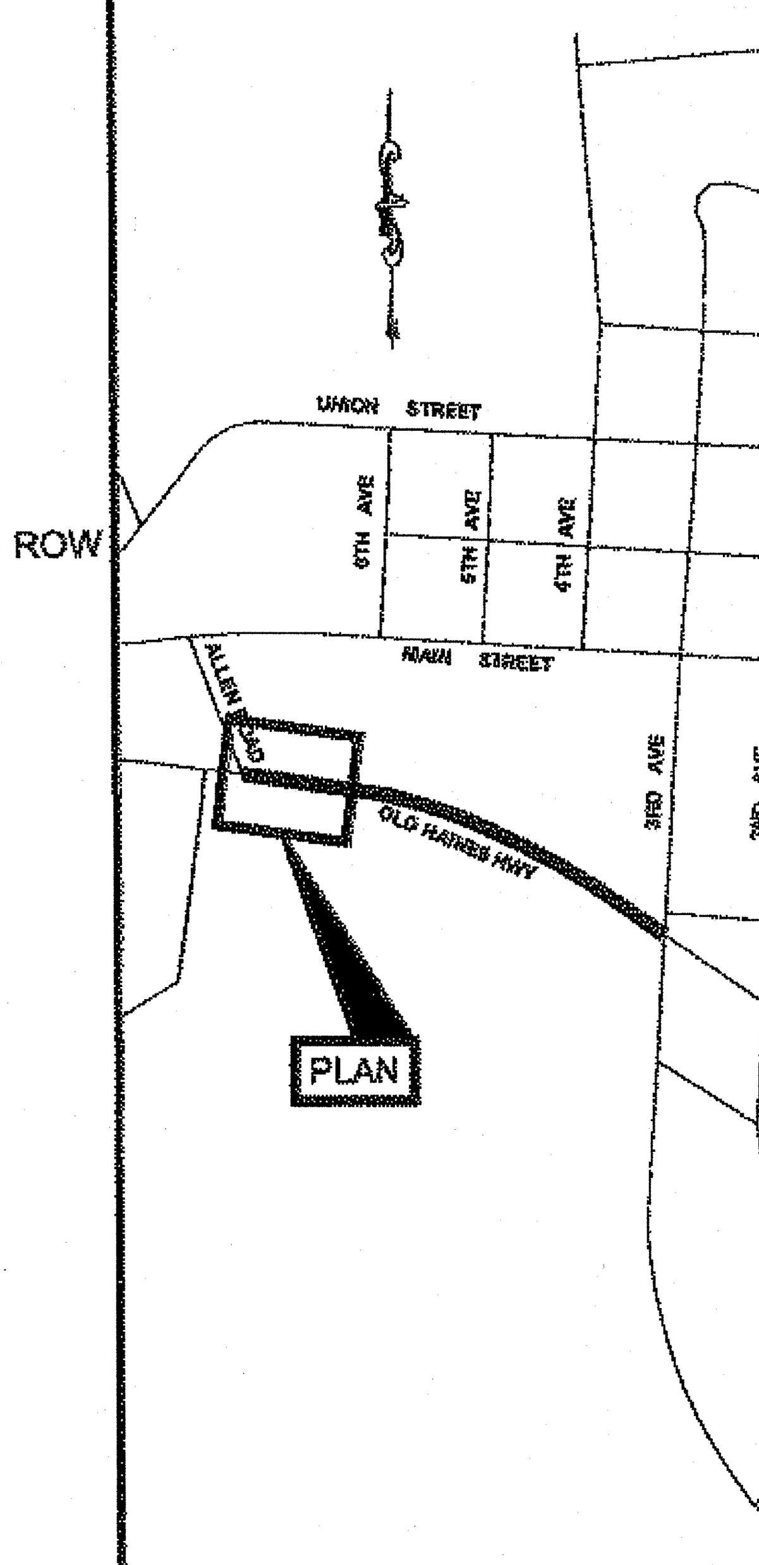


PLAN LEGEND

CHECKED BY: K. KARPSTEIN

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

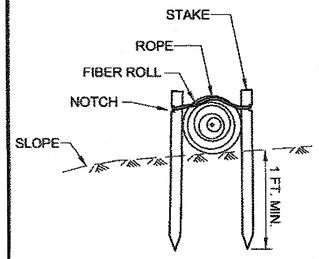
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

EROSION & SEDIMENT CONTROL PLAN

PROJECT DESIGNATION
SRTS-0987(007) ~ 67555

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P4	29

B
1-7-14



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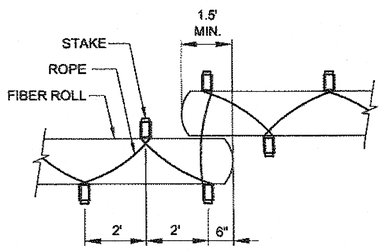
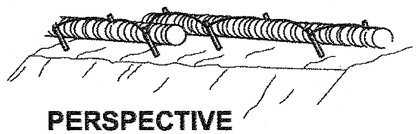


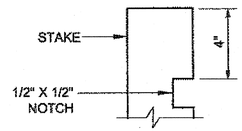
PLAN

FIBER ROLL (TYPE 2)

N.T.S.



PERSPECTIVE



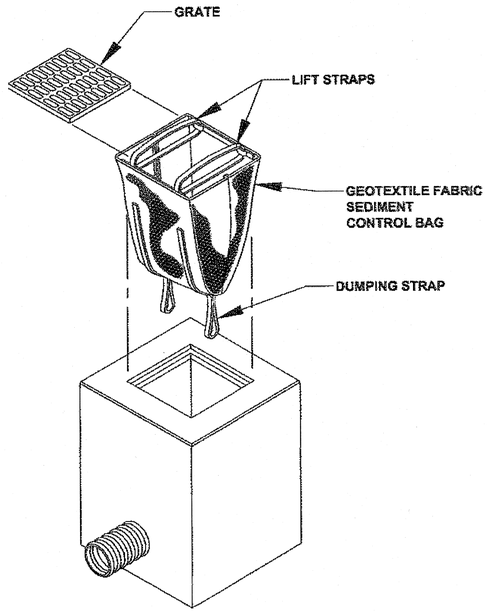
STAKE TYPE 2

FIBER ROLL (TYPE 2)

N.T.S.

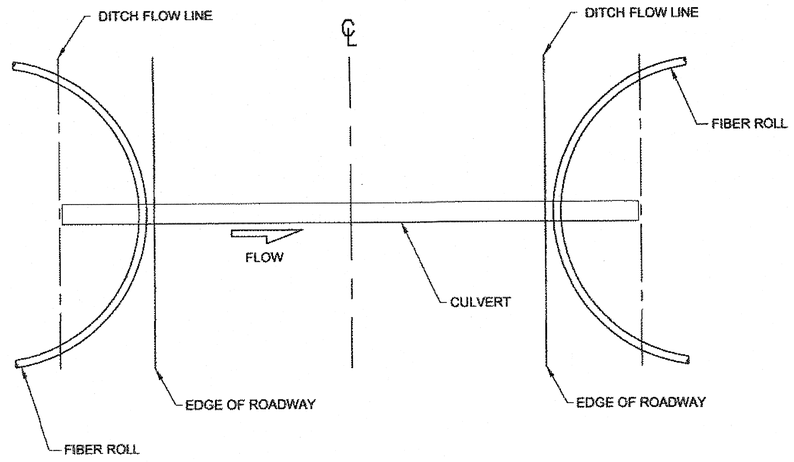
TYPICAL FIBER ROLL DETAIL

N.T.S.



INLET PROTECTION DETAIL

N.T.S.



FIBER ROLL PLACEMENT AT CULVERTS

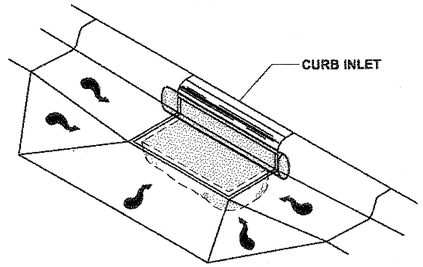
N.T.S.

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.

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 SHOWN ON F-SHEETS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A WATER QUALITY CONTROL PLAN (WQCP) 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 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.**

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

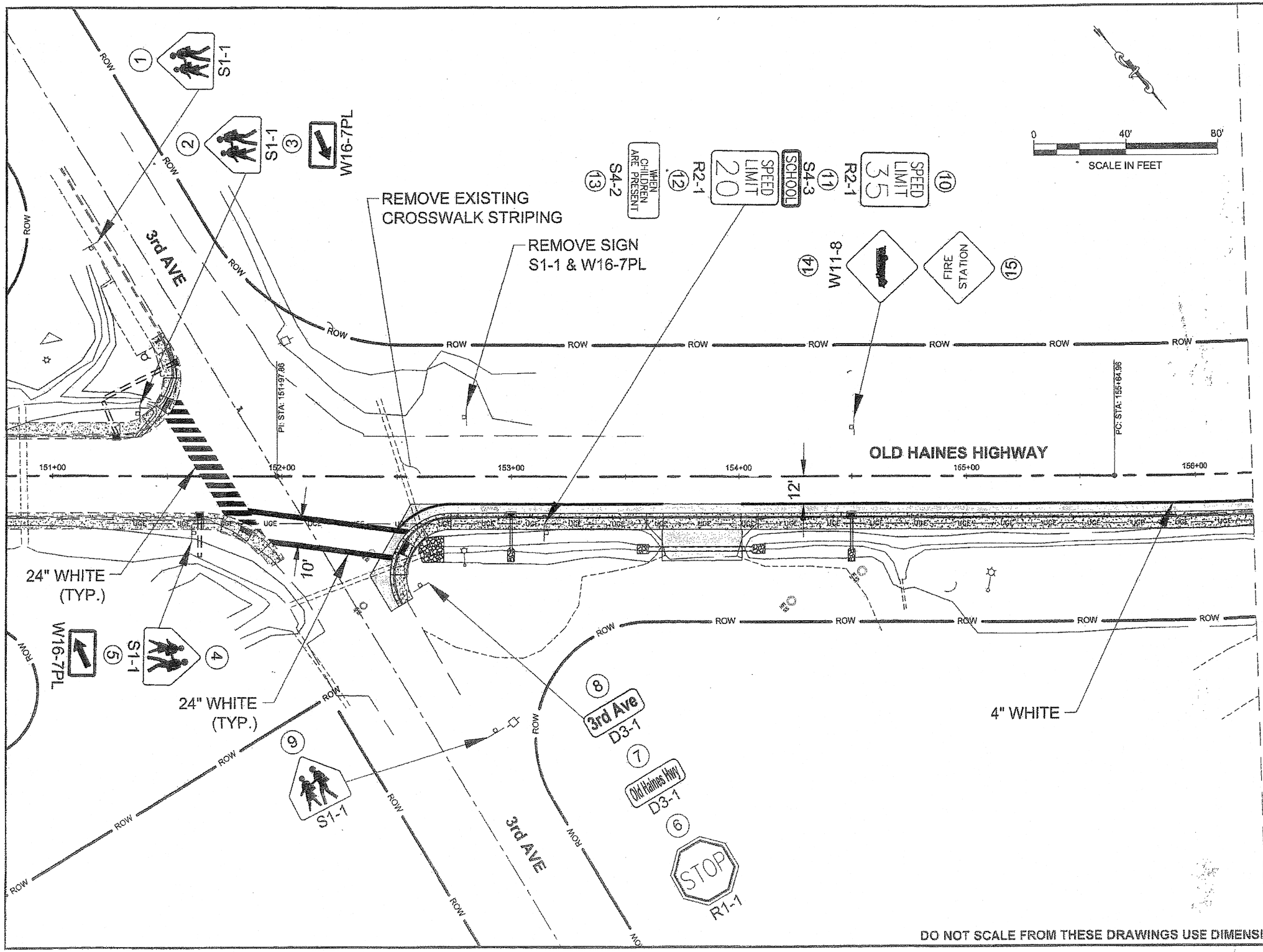
CHECKED BY: K. KARPSTEIN	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION
DESIGNED BY: D. MULLINER	HNS-OLD HAINES HIGHWAY SIDEWALK 3rd AVENUE TO ALLEN ROAD PROJECT #67555
DRAWN BY: D. MULLINER	EROSION AND SEDIMENT CONTROL DETAILS

PATH: Q:\HNS\67555\EN\DOUG'S FILE\P_ESCP_DETAIL SHT.DWG
TAB: P5 Thursday, April 25, 2013 9:37:23 AM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007) ~ 67555	2013	P5	29

DB
1-7-14

ATTACHMENT - 2



PATH: Q:\HNS\67555\EN\DOUG'S FILES\R_SIGN & STRIPING SHT.DWG

MULLINER, DOUGLAS J (DOT)

TAB: R1 Wednesday, June 05, 2013 10:49:16 AM

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

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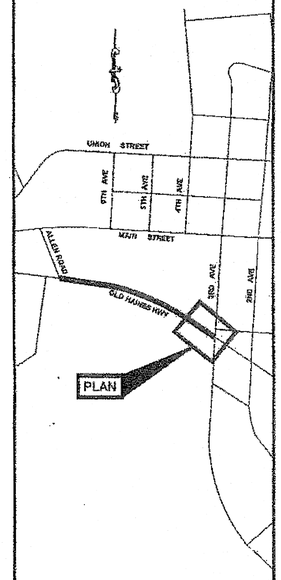


PLAN LEGEND

CHECKED BY: D. EPSTEIN

STATE OF ALASKA 49th DAVID D. EPSTEIN CE-6905 REGISTERED PROFESSIONAL ENGINEER 6/5/13

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

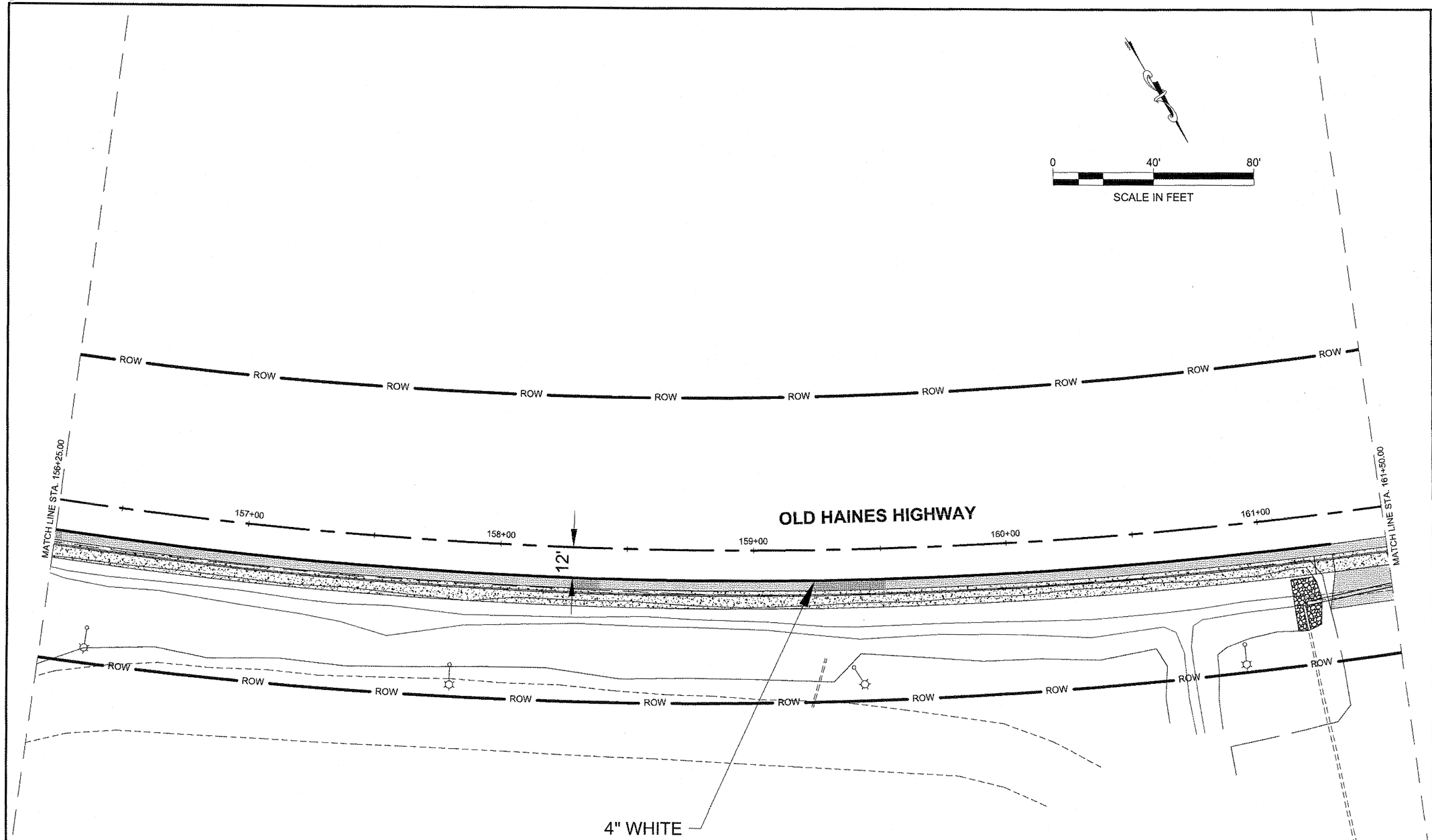
HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

SIGNING & STRIPING

PROJECT DESIGNATION	
SRTS-0987(007) ~ 67555	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
R1	29

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

JB
1-7-14



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MULLINER, DOUGLAS J (DOT)

TAB: R2 Friday, April 19, 2013 10:20:29 AM

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

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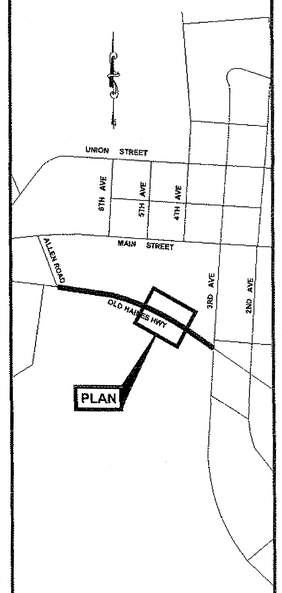


PLAN LEGEND

CHECKED BY: D. EPSTEIN

STATE OF ALASKA 49th DAVID B. EPSTEIN CE-8866 REGISTERED PROFESSIONAL ENGINEER 4-25-13

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

SIGNING & STRIPING

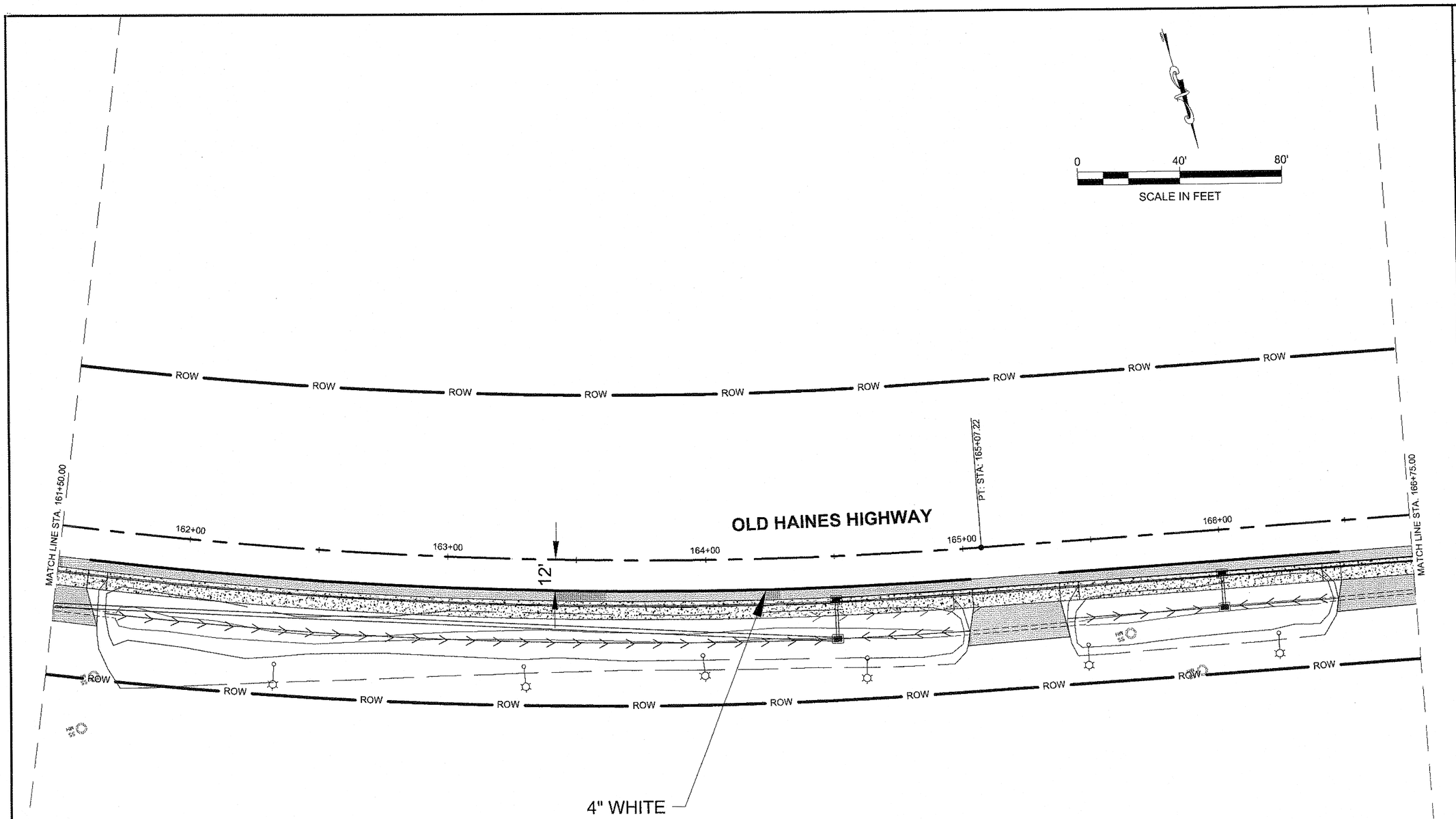
PROJECT DESIGNATION

SRTS-0987(007) ~ 67555

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
R2	29

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

R3
1-7-14



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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MULLINER, DOUGLAS J (DOT)
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

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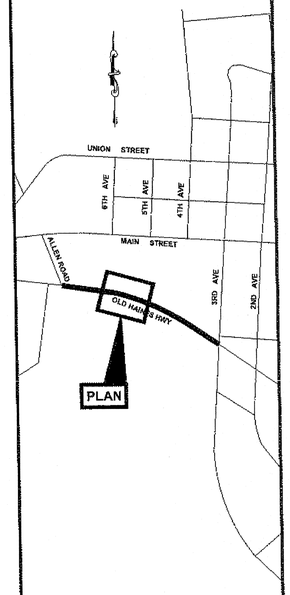


PLAN LEGEND

CHECKED BY: D. EPSTEIN

STATE OF ALASKA
49th
DAVID B. EPSTEIN
CE-6866
REGISTERED PROFESSIONAL ENGINEER
4.25.13

DESIGNED BY: D. MULLINER

DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

SIGNING & STRIPING

PROJECT DESIGNATION	
SRTS-0987(007) ~ 67555	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
R3	29

R3
1-7-14

PATH: Q:\HNS\67555\EN\DOUG'S FILE\R_SIGN & STRIPING SHT.DWG

MULLINER, DOUGLAS J (DOT)
TAB: R4 Wednesday, May 15, 2013 10:48:28 AM

ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

0 40' 80'
SCALE IN FEET

R1-1 STOP (20)
D3-1 Old Haines Hwy (21)
D3-1 Fair Dr (22)
(23) S1-1
(24) S1-1 (25) W16-7PL
(26) SCHOOL S4-3
(27) SPEED LIMIT 20 R2-1
(28) WHEN CHILDREN ARE PRESENT S4-2
(32) S1-1 (33) AHEAD W16-9P

FAIR DR.

ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW

MATCH INTO EXISTING STRIPING

24" WHITE (TYP.)

OLD HAINES HIGHWAY

MATCH LINE STA. 168+75.00

167+00 168+00 169+00 170+00 171+00

12' 10' 10'

EOP: 171+17.00

UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE UGE

4" WHITE

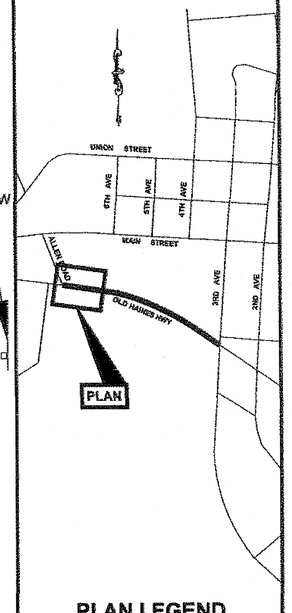
MATCH INTO EXISTING STRIPING

ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW ROW

ALLEN ROAD

(16) S1-1 CUSTOM S.E. STATE FAIR (17) (29)
W16-7PL (19) S1-1 (18)
S5-2 END SCHOOL ZONE (31)
R2-1 (30) SPEED LIMIT 35

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PLAN LEGEND

CHECKED BY: D. EPSTEIN

STATE OF ALASKA 4918 DAVID B. EPSTEIN CE-6866 REGISTERED PROFESSIONAL ENGINEER 5·15·13

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

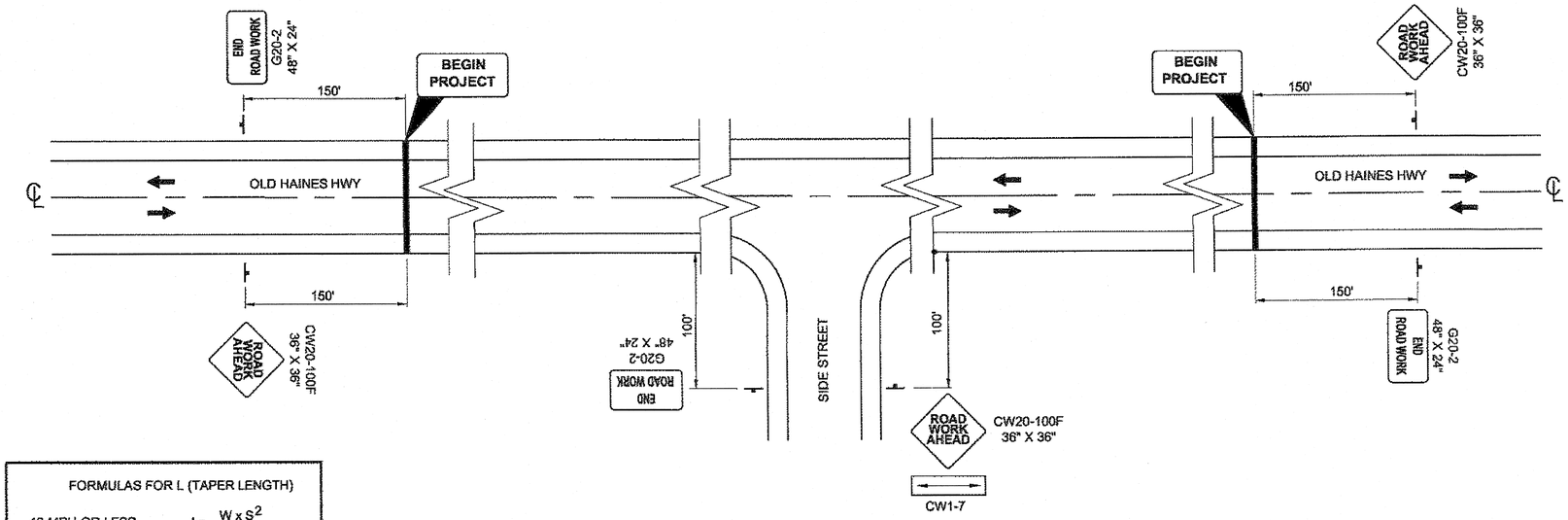
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

SIGNING & STRIPING

PROJECT DESIGNATION	
SRTS-0987(007) ~ 67555	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
R4	29

RB
1-7-14



FORMULAS FOR L (TAPER LENGTH)

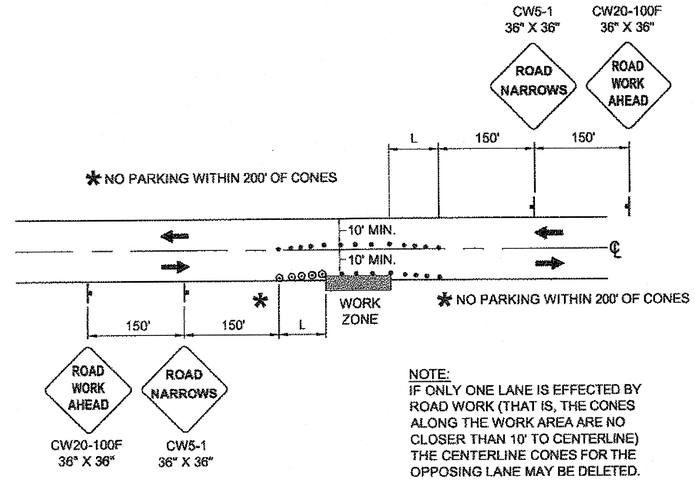
40 MPH OR LESS $L = \frac{W \times S^2}{60}$

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

WHERE W=WIDTH OF OFFSET
S= POSTED SPEED LIMIT

PERMANENT CONSTRUCTION SIGNING

N.T.S.



NOTE:
IF ONLY ONE LANE IS EFFECTED BY ROAD WORK (THAT IS, THE CONES ALONG THE WORK AREA ARE NO CLOSER THAN 10' TO CENTERLINE) THE CENTERLINE CONES FOR THE OPPOSING LANE MAY BE DELETED.

ROADWAY ENCROACHMENT

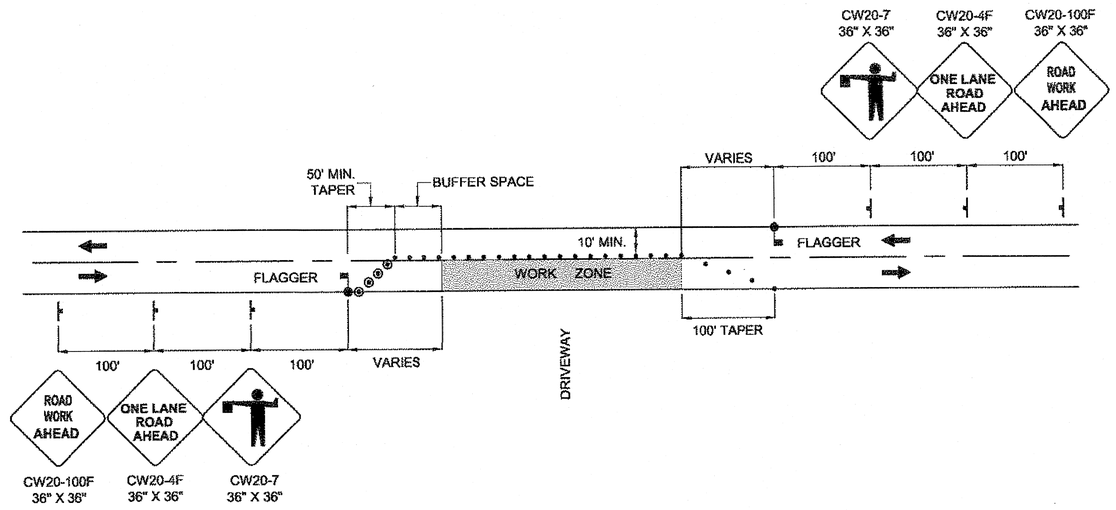
N.T.S.

TCP SETUP TABLE

SPEED (MPH)	MIN MERGING TAPER LENGTH (L) IN FEET WIDTH OF OFFSET (W) IN FEET			MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET			MAX DEVICE SPACING IN FEET		BUFFER SPACE
	10'	11'	12'	10'	11'	12'	ALONG TAPER	ALONG TANGENT	(FT)
25 OR BELOW	105	115	125	6	6	6	25	50	155
30	150	165	180	6	7	7	30	60	200
35	205	225	245	7	8	8	35	70	250
40	270	295	320	8	9	9	40	80	305
45	450	495	540	11	12	13	45	90	360
50	500	550	600	11	12	13	50	100	425
55	550	605	660	11	12	13	55	110	495
60	600	660	720	11	12	13	60	120	570

TRAFFIC CONTROL NOTES:

1. 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.
2. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES IN WORK AREAS.
3. TWO LANES SHALL BE MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS IN NON-WORK AREAS AND DURING NON-WORKING HOURS.
4. DRIVING LANES SHALL BE A MINIMUM WIDTH OF 10'.
5. TRAFFIC DELAYS SHALL NOT EXCEED 10 MINUTES.
6. THE UNEVEN LANES (W8-11) SIGN SHOULD BE USED DURING OPERATIONS THAT CREATE A GREATER THAN 1" DIFFERENCE IN ELEVATION ON A VERTICAL OR NEAR-VERTICAL EDGE BETWEEN ADJACENT LANES THAT ARE OPEN TO TRAVEL.
7. FLAGGER STATIONS NEED TO BE ILLUMINATED AT NIGHT.
8. 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.
9. FOR LOCATION OF DOUBLE TRAFFIC FINE SIGNS SEE ALASKA STANDARD DRAWING C-04.12.
10. 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
DESIGNED BY: D. MULLINER
DRAWN BY: D. MULLINER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

HNS-OLD HAINES HIGHWAY
SIDEWALK 3rd AVENUE
TO ALLEN ROAD
PROJECT #67555

TRAFFIC CONTROL PLAN

PATH: Q:\HNS\67555\ENDOUG'S FILE\S_TCP SHT.DWG
TAB: S1 Wednesday, April 24, 2013 8:38:42 AM MULLINER, DOUGLAS J (DOT)

REVISIONS NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			SRTS-0987(007)~67555	2013	S1	29

RB
1-7-14