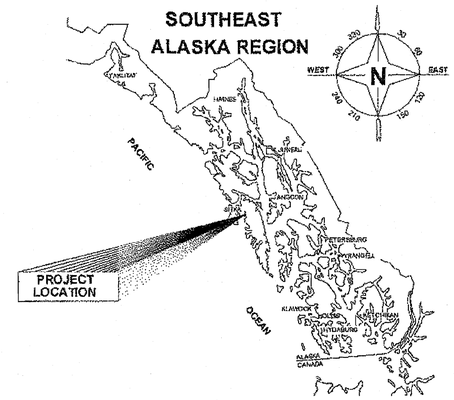
State of Alaska

Department of Transportation and Public Facilities

Southeast Region

SITKA, ALASKA
SAWMILL CREEK ROAD UPGRADE



PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
PROJECT No. 68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA No. 69615

"As Built" Plans
Contractor: Quality Asphalt Products, Inc.
Project Engineer: Todd Fleming
Begin Construction: 3/14/13
End Construction: 7/23/14

INDEX

SHEET NO.	DESCRIPTION
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE (68216)	
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A4	SHEET LAYOUT
B1-B5	TYPICAL SECTIONS
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PATH: \\NUFILE2\JOBS\1153805\DWGS\C\SHEETS\A01.DWG TAB: A1
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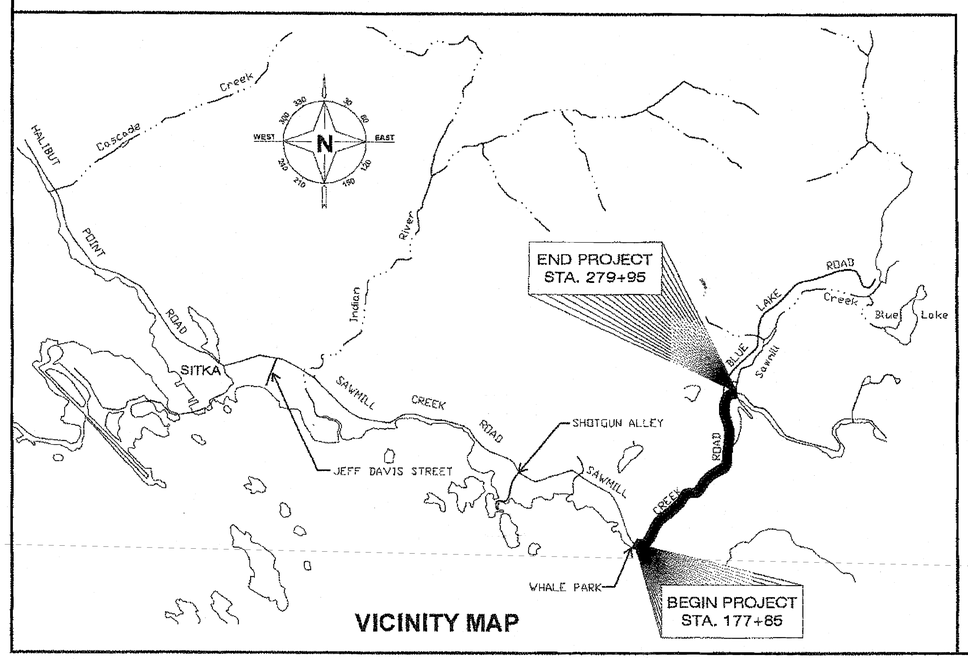


VICINITY MAP

PROJECT SUMMARY-SCR
SAWMILL CREEK ROAD

CDS ROUTE NO	=	295500
CDS MILEPOINT	=	3.8 TO 5.6
LENGTH OF GRADING	=	1.8 MILES
LENGTH OF PAVING	=	1.8 MILES
WIDTH OF PAVING	=	30 FT
LENGTH OF PROJECT	=	1.8 MILES

DESIGN CRITERIA
RECONSTRUCTION (3R)

DESIGN DESIGNATION
SAWMILL CREEK ROAD

V	=	35 MPH
A.D.T. 2009	=	700
A.D.T. 2021	=	740
A.D.T. 2031	=	780
D.H.V. % (2031)	=	10.3
TRUCKS %	=	5.5
E.S.A.L.	=	100,000
DESIGN VEHICLE	=	WB-50
DESIGN LOAD VEHICLE FOR RETAINING WALLS	=	HL-93

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	C-03.10	C-04.12	C-05.10	D-01.02	D-04.21
D-20.03	D-22.01	D-23.01	D-24.00	D-26.02	D-35.00
D-36.00	E-00.00	E-09.00	G-00.01	G-04.06S	G-09.04S
G-10.01	G-13.00	G-20.10	I-20.13	I-21.01	I-22.01
I-81.00	M-13.01	M-16.01	S-00.10	S-05.01	S-20.10
S-30.03	T-05.10	T-06.00	T-20.02	T-21.02	T-22.03
U-03.00					

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

STATE OF ALASKA 49TH Nathan C. Leigh CE-8356 Registered Professional Engineer

APPROVED: Chuck Correa 3/24/12
REGIONAL PRE-CONSTRUCTION ENGINEER — DATE
CHUCK CORREA, P.E.

APPROVED: Albert H. Clough 3/27/12
for: DIRECTOR, SOUTHEAST REGION — DATE
ALBERT H. CLOUGH, CPG

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

CONSTRUCTION PROJECT MANAGER — DATE

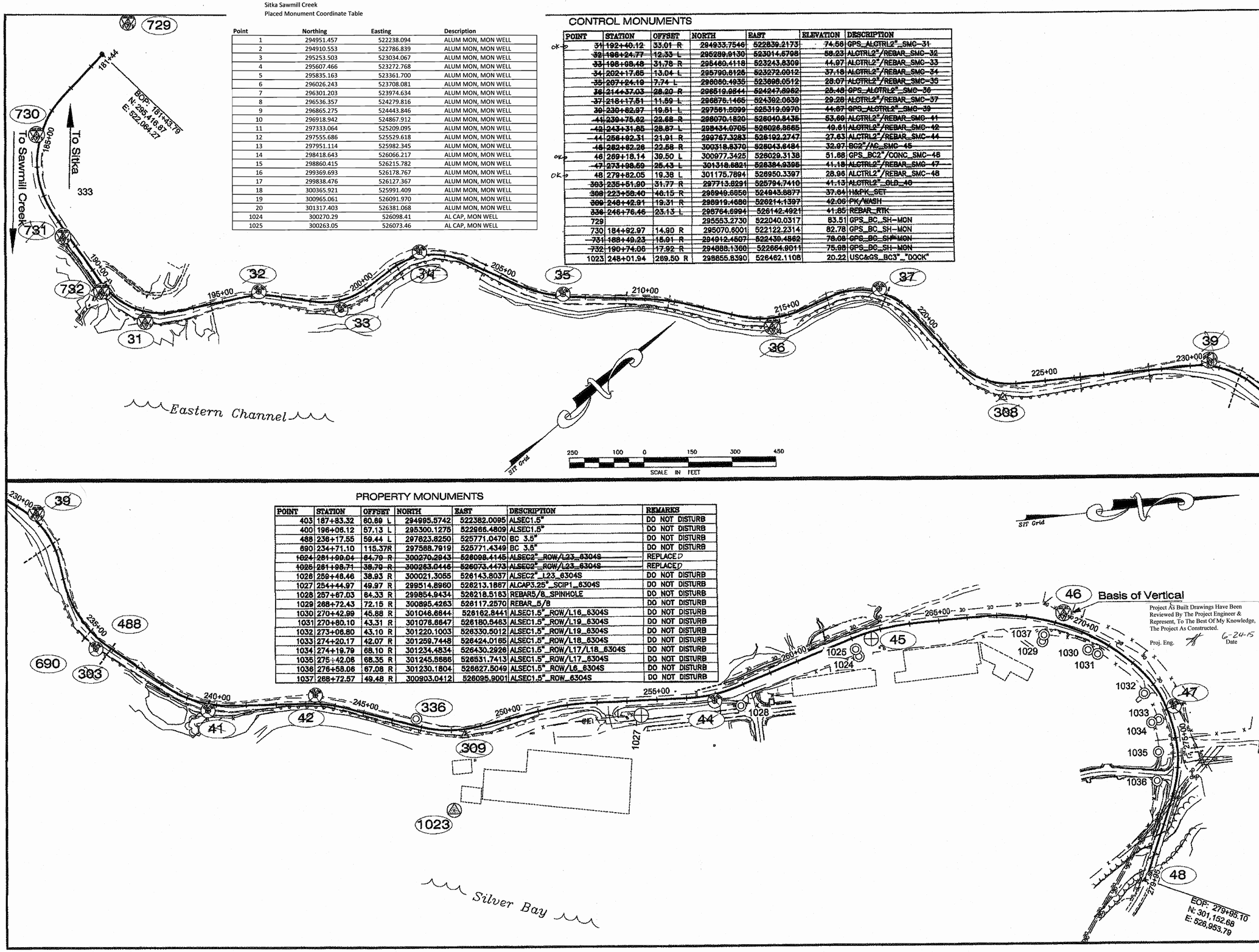
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	68216\MSG-STP-0933(21)	2012	A1	109

Sitka Sawmill Creek
Placed Monument Coordinate Table

Point	Northing	Easting	Description
1	294951.457	522238.094	ALUM MON, MON WELL
2	294910.553	522786.839	ALUM MON, MON WELL
3	295253.503	523034.067	ALUM MON, MON WELL
4	295607.466	523272.768	ALUM MON, MON WELL
5	295835.163	523361.700	ALUM MON, MON WELL
6	296026.243	523708.081	ALUM MON, MON WELL
7	296301.203	523974.634	ALUM MON, MON WELL
8	296536.357	524279.816	ALUM MON, MON WELL
9	296865.275	524443.846	ALUM MON, MON WELL
10	296918.942	524867.912	ALUM MON, MON WELL
11	297333.064	525209.095	ALUM MON, MON WELL
12	297555.686	525529.618	ALUM MON, MON WELL
13	297951.114	525982.345	ALUM MON, MON WELL
14	298418.643	526066.217	ALUM MON, MON WELL
15	298860.415	526215.782	ALUM MON, MON WELL
16	299369.693	526178.767	ALUM MON, MON WELL
17	299838.476	526127.367	ALUM MON, MON WELL
18	300365.921	525991.409	ALUM MON, MON WELL
19	300965.061	526091.970	ALUM MON, MON WELL
20	301317.403	526381.068	ALUM MON, MON WELL
1024	300270.29	526098.41	AL CAP, MON WELL
1025	300263.05	526073.46	AL CAP, MON WELL

CONTROL MONUMENTS

	POINT	STATION	OFFSET	NORTH	EAST	ELEVATION	DESCRIPTION
ok	~~31~~	~~192+40.12~~	~~33.01 R~~	~~294933.7546~~	~~522839.2173~~	~~74.56~~	~~GPS_ALCTRL2"_SMC-31~~
	~~32~~	~~196+24.77~~	~~12.33 L~~	~~295289.9130~~	~~523014.5798~~	~~58.23~~	~~ALCTRL2"/REBAR_SMC-32~~
	~~33~~	~~198+98.48~~	~~31.78 R~~	~~295460.4118~~	~~523243.8309~~	~~44.97~~	~~ALCTRL2"/REBAR_SMC-33~~
	~~34~~	~~202+17.65~~	~~13.04 L~~	~~295790.6126~~	~~523272.0012~~	~~37.18~~	~~ALCTRL2"/REBAR_SMC-34~~
	~~35~~	~~207+24.19~~	~~7.74 L~~	~~296050.4935~~	~~523698.0512~~	~~28.07~~	~~ALCTRL2"/REBAR_SMC-35~~
	~~36~~	~~214+37.03~~	~~28.20 R~~	~~296519.9844~~	~~524247.8962~~	~~25.48~~	~~GPS_ALCTRL2"_SMC-36~~
	~~37~~	~~218+17.51~~	~~11.59 L~~	~~296876.1465~~	~~524392.0639~~	~~29.28~~	~~ALCTRL2"/REBAR_SMC-37~~
	~~38~~	~~230+82.97~~	~~19.51 L~~	~~297561.6099~~	~~525319.0970~~	~~44.87~~	~~GPS_ALCTRL2"_SMC-38~~
	~~41~~	~~239+75.62~~	~~22.68 R~~	~~298070.1820~~	~~526040.8435~~	~~53.69~~	~~ALCTRL2"/REBAR_SMC-41~~
	~~42~~	~~243+31.85~~	~~28.87 L~~	~~298434.0705~~	~~526028.8685~~	~~49.81~~	~~ALCTRL2"/REBAR_SMC-42~~
	~~44~~	~~256+92.31~~	~~21.91 R~~	~~299767.3283~~	~~526192.2747~~	~~27.63~~	~~ALCTRL2"/REBAR_SMC-44~~
	~~45~~	~~262+62.28~~	~~22.58 R~~	~~300318.8370~~	~~526043.6484~~	~~32.97~~	~~BC2"/AC_SMC-45~~
ok	46	269+18.14	39.50 L	300977.3425	526029.3138	51.88	GPS_BC2"/CONC_SMC-46
	~~47~~	~~273+98.69~~	~~25.43 L~~	~~301318.8821~~	~~526384.9396~~	~~41.18~~	~~ALCTRL2"/REBAR_SMC-47~~
ok	48	279+82.05	19.38 L	301175.7894	526950.3397	28.96	ALCTRL2"/REBAR_SMC-48
	~~303~~	~~235+51.90~~	~~31.77 R~~	~~297713.8291~~	~~525794.7410~~	~~41.13~~	~~ALCTRL2"_OLD_48~~
	~~308~~	~~223+58.40~~	~~46.15 R~~	~~298948.6656~~	~~524943.8877~~	~~37.64~~	~~H&PK_SET~~
	~~309~~	~~248+42.91~~	~~19.31 R~~	~~298919.4686~~	~~526214.1397~~	~~42.06~~	~~PK/WASH~~
	~~336~~	~~246+76.46~~	~~23.13 L~~	~~298764.6994~~	~~526142.4921~~	~~41.85~~	~~REBAR_RTK~~
	729			295553.2730	522040.0317	83.51	GPS_BC_SH-MON
	730	184+92.97	14.90 R	295070.6001	522122.2314	82.78	GPS_BC_SH-MON
	~~731~~	~~188+49.23~~	~~15.91 R~~	~~294912.4507~~	~~522439.4862~~	~~78.08~~	~~GPS_BC_SH-MON~~
	~~732~~	~~190+74.06~~	~~17.92 R~~	~~294888.1360~~	~~522664.9011~~	~~75.98~~	~~GPS_BC_SH-MON~~
	1023	248+01.94	269.50 R	298655.8390	526462.1108	20.22	USC&GS_BC3"_"DOCK"



PROPERTY MONUMENTS

POINT	STATION	OFFSET	NORTH	EAST	DESCRIPTION	REMARKS
403	187+83.32	60.69 L	294995.5742	522362.0095	ALSEC1.5"	DO NOT DISTURB
400	196+06.12	57.13 L	295300.1275	522866.4809	ALSEC1.5"	DO NOT DISTURB
488	236+17.55	59.44 L	297823.8250	525771.0470	BC 3.5"	DO NOT DISTURB
690	234+71.10	115.37R	297588.7919	525771.4349	BC 3.5"	DO NOT DISTURB
~~1024~~	~~261+99.04~~	~~84.79 R~~	~~300270.2943~~	~~526098.4148~~	~~ALSEC2"_ROW/L23_6304S~~	REPLACED
~~1025~~	~~261+98.71~~	~~38.79 R~~	~~300263.0446~~	~~526073.4473~~	~~ALSEC2"_ROW/L23_6304S~~	REPLACED
1026	259+48.46	38.93 R	300021.3055	526143.8037	ALSEC2"_L23_6304S	DO NOT DISTURB
1027	254+44.97	49.97 R	299514.8960	526213.1867	ALCAP3.25"_SCIP1_6304S	DO NOT DISTURB
1028	257+67.03	64.33 R	299854.9434	526218.5163	REBAR5/8_SPINHOLE	DO NOT DISTURB
1029	268+72.43	72.15 R	300895.4263	526117.2570	REBAR_5/8	DO NOT DISTURB
1030	270+42.99	45.88 R	301046.6644	526162.8441	ALSEC1.5"_ROW/L16_6304S	DO NOT DISTURB
1031	270+80.10	43.31 R	301078.6847	526180.5463	ALSEC1.5"_ROW/L19_6304S	DO NOT DISTURB
1032	273+06.80	43.10 R	301220.1003	526330.5012	ALSEC1.5"_ROW/L19_6304S	DO NOT DISTURB
1033	274+20.17	42.07 R	301259.7448	526424.0165	ALSEC1.5"_ROW/L18_6304S	DO NOT DISTURB
1034	274+19.79	68.10 R	301234.4834	526430.2926	ALSEC1.5"_ROW/L17/L18_6304S	DO NOT DISTURB
1035	275+42.06	68.35 R	301245.5686	526531.7413	ALSEC1.5"_ROW/L17_6304S	DO NOT DISTURB
1036	276+58.06	67.08 R	301230.1604	526627.5049	ALSEC1.5"_ROW/L6_6304S	DO NOT DISTURB
1037	268+72.57	49.48 R	300903.0412	526095.9001	ALSEC1.5"_ROW_6304S	DO NOT DISTURB

PATH:
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Monday, August 27, 2012 9:38:09 AM
TAB: A2

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD PHASE III
WHALE PARK TO SAWMILL CREEK BRIDGE
68216

SURVEY CONTROL

PREPARED BY: Alaska DOT/PF

CHECKED BY: R. DAVIS

STATE OF ALASKA
49th
Randal V. Davis
LS#10611
REGISTERED PROFESSIONAL LAND SURVEYOR

DESIGNED BY: T. REED

DRAWN BY: T. REED

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SURVEY CONTROL

PROJECT DESIGNATION	
68216	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
A2	109

HORIZONTAL CONTROL

Basis of Horizontal control is NGS station BM-16, a "B" order NGS station located near the Pioneers Home with held NAD83 (1992) coordinates of N57-02-59.71512 W135-20-20.43691.

The basis of coordinates is "BM-16" while the basis of bearing is geodetic north based on GPS observations and applied convergence angle of -1°25'39.4" for the Sitka 2000 Grid.

Sitka 2000 Local Grid

The DOT/PF Sitka Grid 2000 was developed for use on the entire Sitka road system. Scale and convergence angles have been optimized to minimize project distortions area wide.
Basis of rotation and scale is NGS First order station "SIT-C"
Zone = NAD83 AKSPC ZONE 1
Grid Scale = 0.99997551
Convergence Angle = -1°25'39.4"
Translation about NGS station "SIT-C"
Grid North = 1,908,220.83142 FT US
Grid East = 2,348,010.11103 FT US
Local North = 300,000.0000 FT US
Local East = 500,000.0000 FT US

Project Specific Basis of Horizontal Control

#731 : 2 1/2" Brass cap in well case located in the outbound shoulder of Sawmill Creek Road approximately 320' beyond Whale Park.

SIT00-Grid	N 294912.4507'	E 522439.4862'
AKSPC	N 1902575.9436'	E 2370315.3348'

#732 : 2 1/2" Brass cap in well case located in the outbound shoulder of Sawmill Creek Road approximately 530' beyond Whale Park.

SIT00-Grid	N 294888.1360'	E 522664.9011'
AKSPC	N 1902546.0213'	E 2370540.0685'

VERTICAL CONTROL:

MLLW based on NOAA tidal benchmark series 9451600. NOS monument BM-16 is 20.36' above MLLW on the 1960-1978 tidal epoch as published 10/31/1984.

Project Specific Basis of Vertical Control

For this project, SMC-46 has been established with an elevation of 51.68' above MLLW relative to BM-16. SMC-46 is a 2" Brass Cap set in a concrete utility vault adjacent to the in-bound lane of Sawmill Creek Road approximately 580' before the Y to Blue Lake.

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.

Sawmill Creek Stage 3 Alignment Report

BOP: 181+43.79 N: 295418.8713 E: 522064.2743

Tangent Data
Length: 198.66 Course: S 05° 57' 27" E

Circular Curve Data
Delta: 77° 39' 37" Type: LEFT
Radius: 318.00
Length: 432.88 Tangent: 257.48
Mid-Ord: 70.86 External: 91.17
Chord: 400.22 Course: S 44° 57' 16" E

Tangent Data
Length: 271.57 Course: S 83° 57' 05" E

Circular Curve Data
Delta: 67° 09' 27" Type: LEFT
Radius: 250.00
Length: 293.03 Tangent: 165.97
Mid-Ord: 41.72 External: 50.07
Chord: 276.54 Course: N 62° 28' 12" E

Tangent Data
Length: 229.53 Course: N 28° 53' 28" E

Circular Curve Data
Delta: 20° 39' 01" Type: RIGHT
Radius: 340.00
Length: 122.54 Tangent: 61.94
Mid-Ord: 5.51 External: 5.60
Chord: 121.88 Course: N 39° 12' 59" E

Tangent Data
Length: 115.88 Course: N 49° 32' 29" E

Circular Curve Data
Delta: 45° 44' 02" Type: LEFT
Radius: 250.00
Length: 199.55 Tangent: 105.43
Mid-Ord: 19.65 External: 21.32
Chord: 194.30 Course: N 26° 40' 26" E

Tangent Data
Length: 105.70 Course: N 03° 48' 28" E

Circular Curve Data
Delta: 61° 17' 06" Type: RIGHT
Radius: 230.00
Length: 246.01 Tangent: 136.25
Mid-Ord: 32.12 External: 37.33
Chord: 234.45 Course: N 34° 27' 01" E

Tangent Data
Length: 196.91 Course: N 65° 05' 34" E

Circular Curve Data
Delta: 22° 20' 13" Type: LEFT
Radius: 530.00
Length: 206.62 Tangent: 104.64
Mid-Ord: 10.04 External: 10.23
Chord: 205.32 Course: N 53° 55' 27" E

Tangent Data
Length: 230.22 Course: N 42° 45' 21" E

Circular Curve Data
Delta: 11° 34' 50" Type: RIGHT
Radius: 800.00
Length: 161.70 Tangent: 81.12
Mid-Ord: 4.08 External: 4.10
Chord: 161.42 Course: N 48° 32' 46" E

Tangent Data
Length: 170.48 Course: N 54° 20' 11" E

Circular Curve Data
Delta: 37° 39' 51" Type: LEFT
Radius: 340.00
Length: 223.50 Tangent: 115.95
Mid-Ord: 18.20 External: 19.23
Chord: 219.50 Course: N 35° 30' 16" E

Tangent Data
Length: 105.52 Course: N 16° 40' 20" E

Circular Curve Data
Delta: 73° 07' 42" Type: RIGHT
Radius: 240.00
Length: 306.32 Tangent: 178.01
Mid-Ord: 47.23 External: 58.81
Chord: 285.95 Course: N 53° 14' 12" E

Tangent Data
Length: 198.15 Course: N 89° 48' 03" E

Circular Curve Data
Delta: 53° 59' 11" Type: LEFT
Radius: 250.00
Length: 244.98 Tangent: 132.44
Mid-Ord: 28.32 External: 31.79
Chord: 236.02 Course: N 62° 48' 27" E

Tangent Data
Length: 595.96 Course: N 35° 48' 52" E

Circular Curve Data
Delta: 47° 05' 11" Type: RIGHT
Radius: 300.00
Length: 246.54 Tangent: 130.71
Mid-Ord: 24.97 External: 27.24
Chord: 239.66 Course: N 59° 21' 27" E

Tangent Data
Length: 56.24 Course: N 82° 54' 03" E

Circular Curve Data
Delta: 42° 24' 35" Type: LEFT
Radius: 380.00
Length: 281.27 Tangent: 147.43
Mid-Ord: 25.73 External: 27.60
Chord: 274.90 Course: N 61° 41' 45" E

Tangent Data
Length: 228.73 Course: N 40° 29' 27" E

Circular Curve Data
Delta: 35° 52' 34" Type: LEFT
Radius: 380.00
Length: 237.94 Tangent: 123.02
Mid-Ord: 18.47 External: 19.42
Chord: 234.07 Course: N 22° 33' 10" E

Tangent Data
Length: 259.03 Course: N 04° 36' 53" E

Circular Curve Data
Delta: 15° 45' 35" Type: RIGHT
Radius: 460.00
Length: 126.52 Tangent: 63.66
Mid-Ord: 4.34 External: 4.38
Chord: 126.13 Course: N 12° 29' 40" E

Tangent Data
Length: 256.97 Course: N 20° 22' 27" E

Circular Curve Data
Delta: 28° 27' 27" Type: LEFT
Radius: 400.00
Length: 198.57 Tangent: 101.43
Mid-Ord: 12.27 External: 12.66
Chord: 196.53 Course: N 06° 08' 43" E

Tangent Data
Length: 242.93 Course: N 08° 05' 00" W

Circular Curve Data
Delta: 11° 31' 50" Type: RIGHT
Radius: 600.00
Length: 120.75 Tangent: 60.58
Mid-Ord: 3.03 External: 3.05
Chord: 120.54 Course: N 02° 19' 06" W

Tangent Data
Length: 349.46 Course: N 03° 26' 49" E

Circular Curve Data
Delta: 18° 39' 20" Type: LEFT
Radius: 500.00
Length: 171.53 Tangent: 86.61
Mid-Ord: 7.34 External: 7.45
Chord: 170.69 Course: N 06° 22' 51" W

Tangent Data
Length: 412.51 Course: N 15° 12' 31" W

Circular Curve Data
Delta: 17° 05' 41" Type: RIGHT
Radius: 813.00
Length: 242.56 Tangent: 122.19
Mid-Ord: 9.03 External: 9.13
Chord: 241.67 Course: N 07° 39' 40" W

Tangent Data
Length: 216.24 Course: N 00° 53' 10" E

Circular Curve Data
Delta: 43° 08' 34" Type: RIGHT
Radius: 700.00
Length: 527.09 Tangent: 276.75
Mid-Ord: 49.03 External: 52.72
Chord: 514.73 Course: N 22° 27' 27" E

Tangent Data
Length: 16.07 Course: N 44° 01' 44" E

Circular Curve Data
Delta: 71° 25' 12" Type: RIGHT
Radius: 420.00
Length: 523.54 Tangent: 301.91
Mid-Ord: 78.97 External: 97.25
Chord: 490.29 Course: N 79° 44' 20" E

Tangent Data
Length: 280.88 Course: S 64° 33' 04" E

EDP 279+95.10 N: 301152.6802 E: 526953.7943

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Friday, August 17, 2012 4:35:20 PM
TAB: A3

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD PHASE III
WHALE PARK TO SAWMILL CREEK BRIDGE
68216

SURVEY CONTROL

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PREPARED BY: Alaska DOT/PF

CHECKED BY: R. DAVIS

STATE OF ALASKA 49th Randal T. Davis LS#10811 PROFESSIONAL LAND SURVEYOR

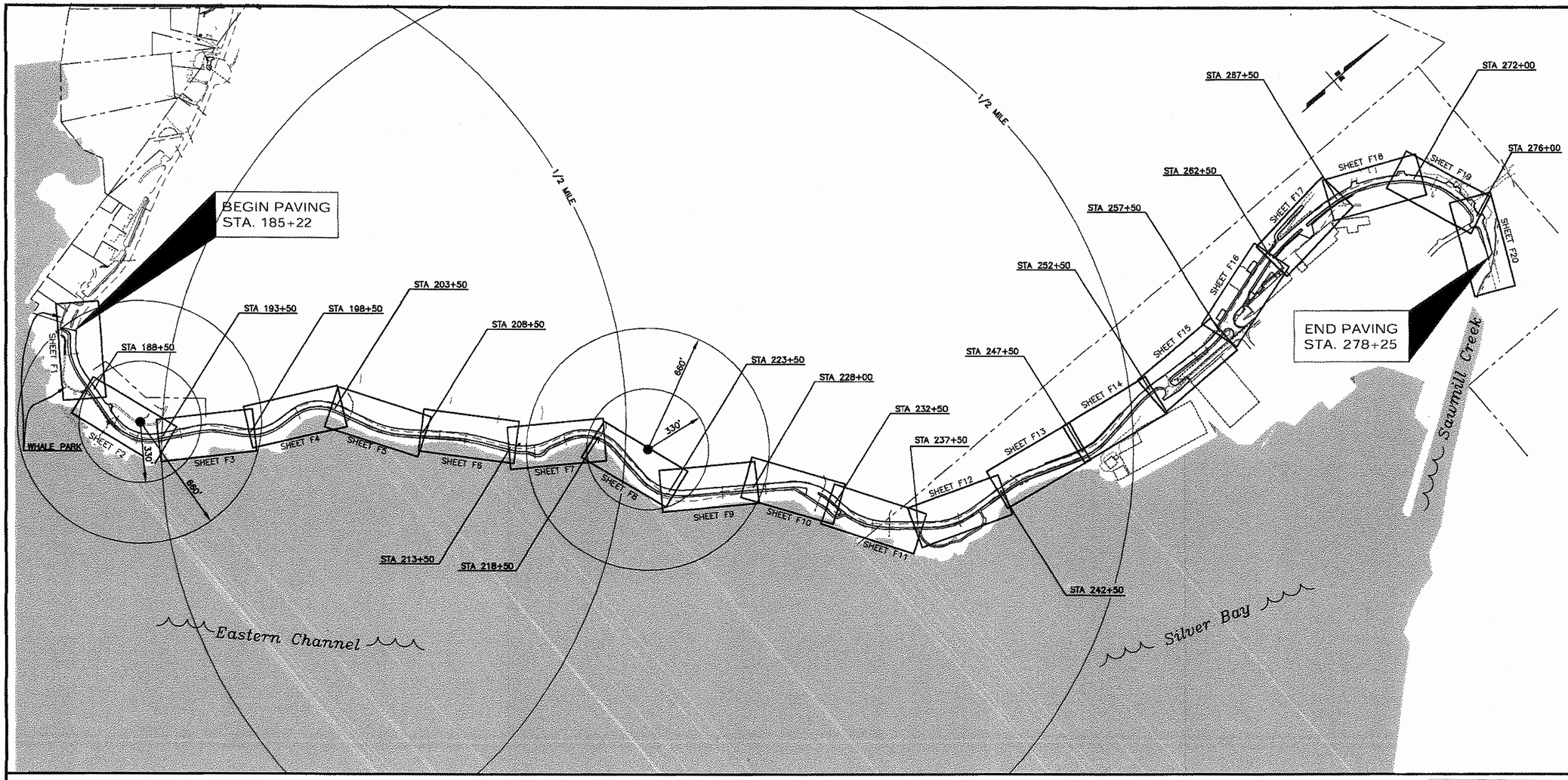
DESIGNED BY: T. REED

DRAWN BY: T. REED

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SURVEY CONTROL

PROJECT DESIGNATION	
68216	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
A3	109



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TAB: A4

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SHEET LAYOUT

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8388 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: WJP

DRAWN BY: WJP, MTH

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

GENERAL NOTES:

1. TOPOGRAPHIC INFORMATION IS BASED ON SURVEYS PERFORMED BY USKH INC. SUMMER 2002, SUMMER 2003, FEBRUARY 2004 AND PICK-UP SURVEY BY ADOT&PF SEPTEMBER, 2006. LIDAR BY AEROMETRIC DECEMBER 2008, PICK-UP SURVEY BY ADOT&PF JANUARY 2010, MARCH 2010, JANUARY 2011, FEBRUARY 2011.
2. SOILS INFORMATION IS TAKEN FROM GEOTECHNICAL INVESTIGATION AND REPORT BY GOLDER ASSOCIATES DATED SEPTEMBER 2003, SUPPLEMENTAL GEOTECHNICAL REPORT BY ADOT&PF DATED JULY 2010. GEOLOGY DATA REPORT – PROPOSED RETAINING WALL INVESTIGATION BY ADOT&PF DATED MARCH 2011. SUPPLEMENTAL GEOTECHNICAL REPORT – ADDENDUM 1–ROCKFALL BY ADOT&PF DATED AUGUST 2011. ROCK CUT OVERBURDEN PROBING BY ADOT&PF DATED JANUARY 2012. COPIES ARE AVAILABLE UPON REQUEST.
3. RIGHT–OF–WAY LINES AND PROPERTY LINES ARE SHOWN FOR GENERAL INFORMATIONAL PURPOSES ONLY. SEE RIGHT–OF–WAY MAPS FOR LOCATION AND SURVEY CONTROL FOR PROPERTY LINES AND RIGHT–OF–WAY.
4. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY EXACT LOCATION BY OBTAINING UTILITY LOCATES, FIELD LOCATES AND EXERCISING CAUTION DURING EXCAVATION.
5. VERTICAL AND HORIZONTAL ALIGNMENTS SHOWN ON THESE PLANS ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER.
6. PIPE LENGTHS AND LOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO MINOR REVISIONS BY THE ENGINEER.
7. UNLESS OTHERWISE NOTED, DIMENSIONS AND ELEVATIONS SHOWN ON THE PLANS ARE EDGE OF PAVEMENT ON PAVED ROADS AND EDGE OF GRAVEL ON GRAVEL ROADS.

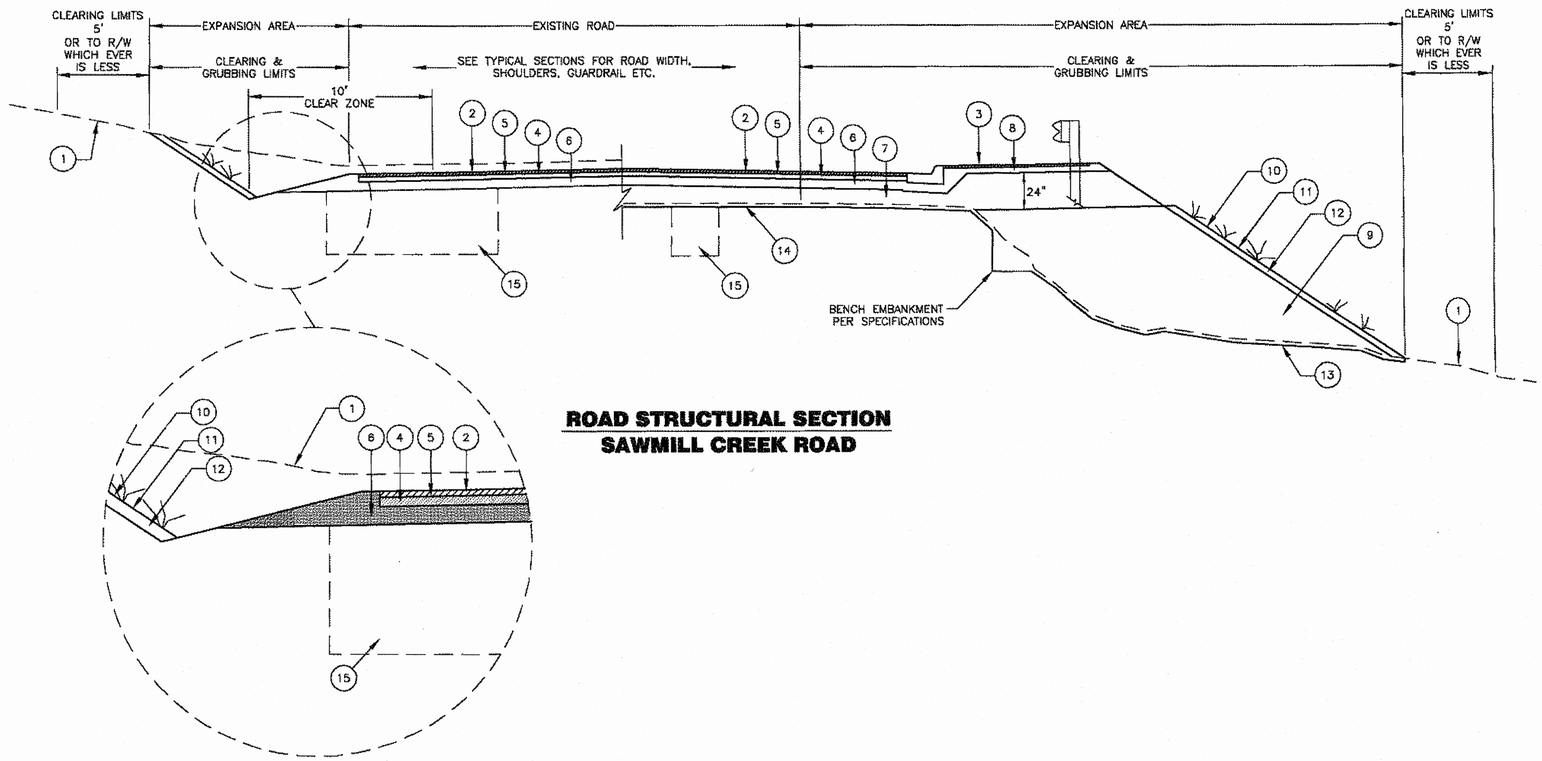
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

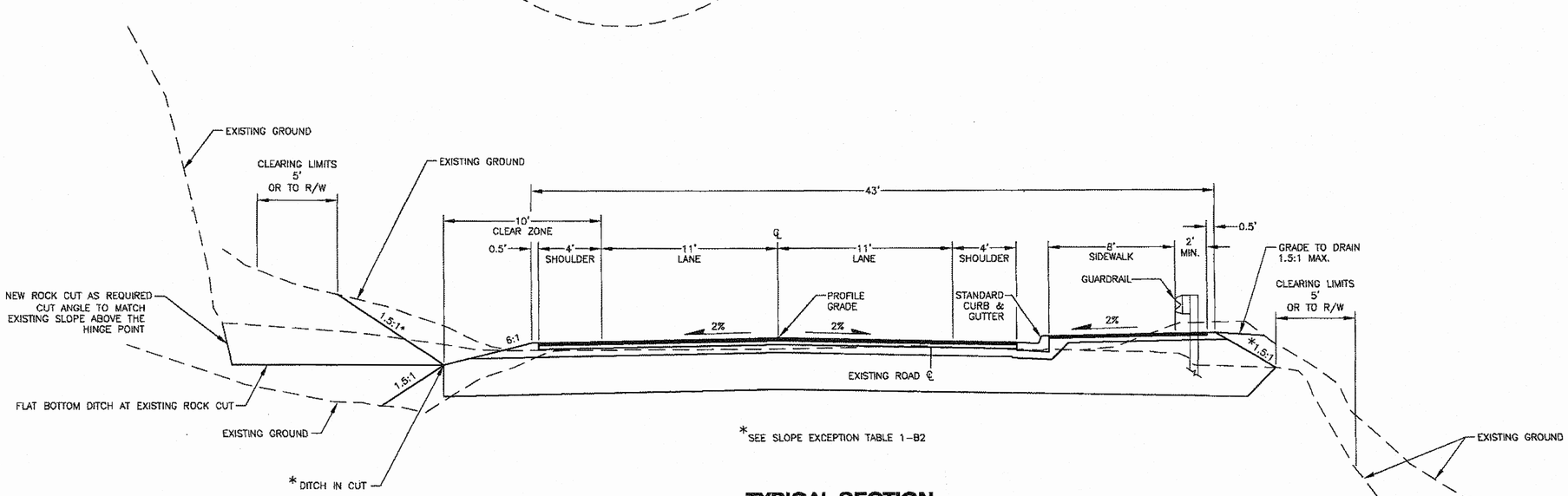
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
A4	109

LEGEND

1. EXISTING GROUND
2. 2" ASPHALT CONCRETE, TYPE II, CLASS B
3. 2" ASPHALT SIDEWALK
4. 3" ATB
5. STE-1 ASPHALT FOR TACK COAT
6. 6" AGGREGATE BASE COURSE, GRADING D-1
7. SELECTED MATERIAL, TYPE A
8. 4" AGGREGATE BASE COURSE, GRADING D-1
9. SELECTED MATERIAL, TYPE B OR D
10. SLOPE STABILIZATION MATTING. USE TYPE 4 MATTING ON SLOPES OVER 50' OR STEEPER THAN 1.5:1 OR WHERE DIRECTED.
11. BFM & SEEDING
12. 4" TOPSOIL
13. LIMITS OF EXCAVATION, REMOVE SURFACE ORGANICS
14. LIMITS OF EXCAVATION, REMOVE EXISTING PAVEMENT
15. ADDITIONAL SUB-EXCAVATION AS DIRECTED, REPLACE WITH SELECTED MATERIAL, TYPE A AND REPLACE WITH SELECTED MATERIAL TYPE B OR D WHEN 24" BELOW THE AGGREGATE BASE COURSE, GRADING D-1, LAYER



ROAD STRUCTURAL SECTION
SAWMILL CREEK ROAD



TYPICAL SECTION
SAWMILL CREEK ROAD

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. Date 6-24-15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\B01_B0

TAB: B1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

TYPICAL SECTIONS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Legg CE-8386 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

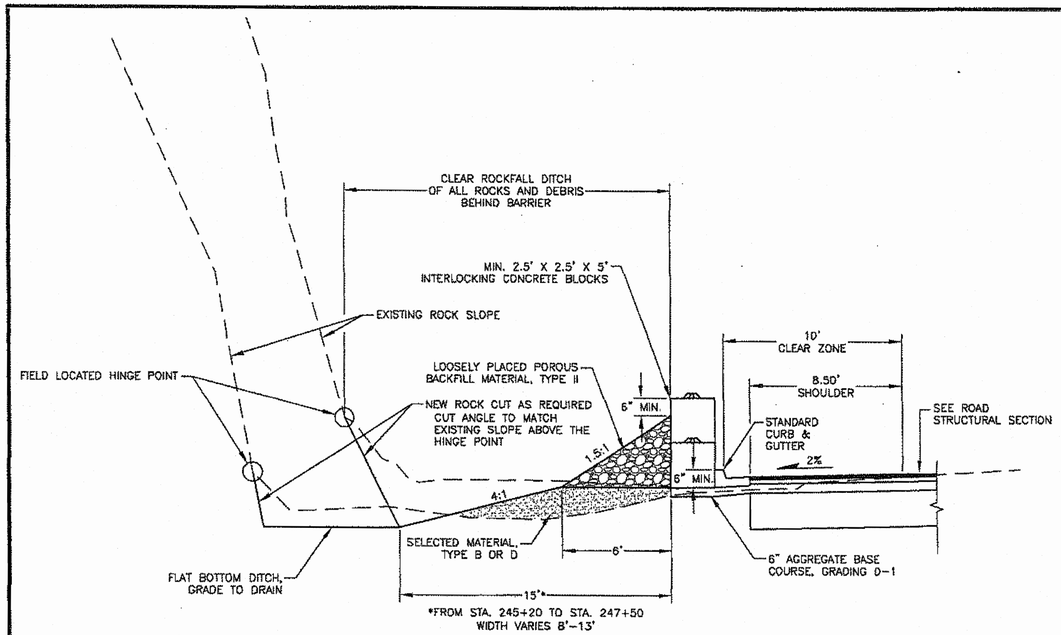
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

TYPICAL SECTIONS

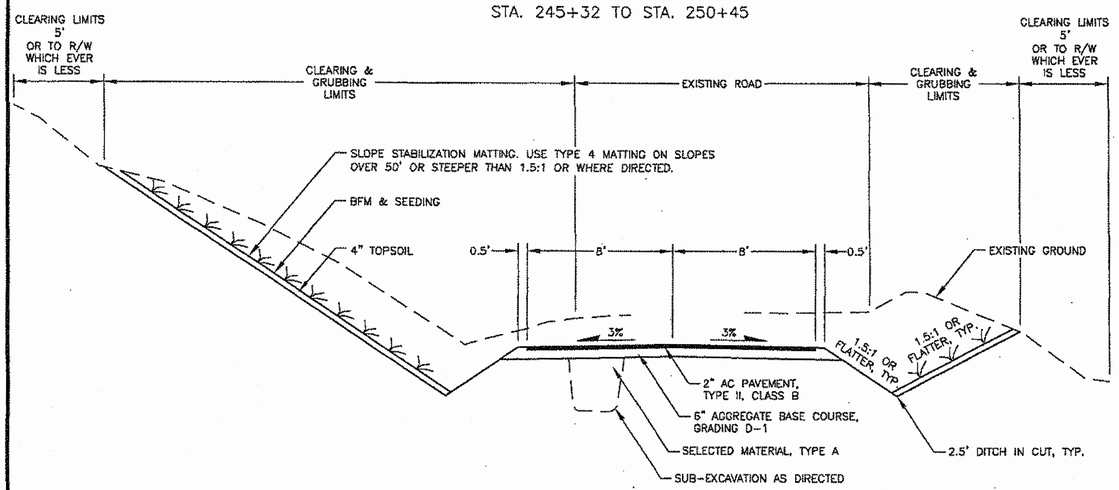
PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
B1	109

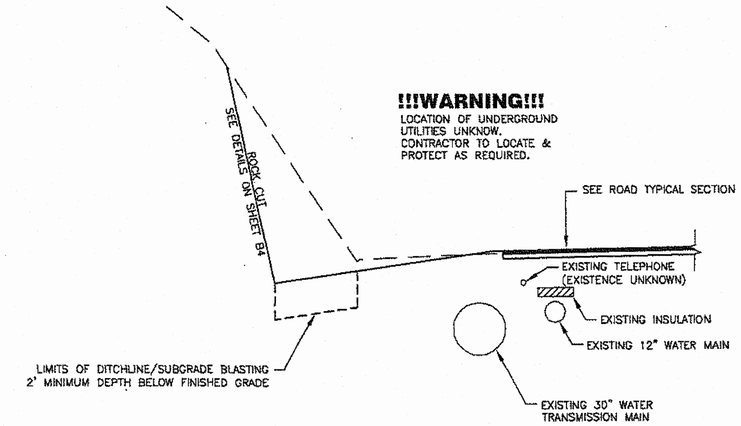


ROCK FALL BARRIER

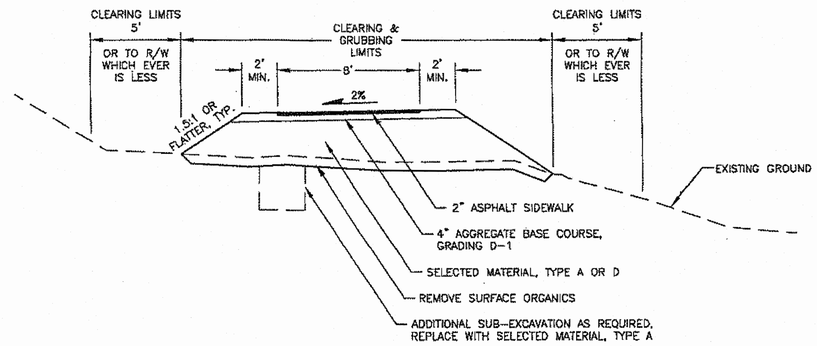
STA. 245+32 TO STA. 250+45



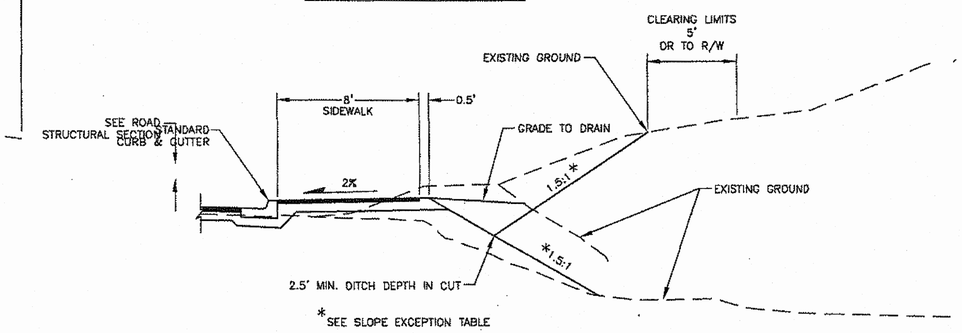
TYPICAL SECTION
BLUE LAKE ROAD



DITCHLINE/SUBGRADE BLASTING DETAIL



PEDESTRIAN PATH



TYPICAL SECTION - NO GUARDRAIL RIGHT
SAWMILL CREEK ROAD

BOP TO STA. 185+53
STA. 186+75 TO STA. 188+60
STA. 222+50 TO STA. 227+50
STA. 229+00 TO STA. 233+65
STA. 236+50 TO STA. 241+60
STA. 250+95 TO STA. 259+53
STA. 267+48 TO STA. 268+72
STA. 270+94 TO STA. 273+90
STA. 276+05 TO STA. 277+77

SLOPE EXCEPTION TABLE 1-B2

LEFT SIDE			RIGHT SIDE		
STATION		EXCEPTION	STATION		EXCEPTION
FROM	TO		FROM	TO	
200+63	202+37	MATCH EXISTING PULLOUT & CUT DITCH TO DRAIN, SEE SHEET F4	187+25	187+75	CUT EMBANKMENT AT 1:1, GRADE TO DRAIN
207+00	208+60	HOLD FILL SLOPE INSIDE ROW	273+85	274+25	HOLD FILL SLOPE INSIDE ROW
216+20	216+90	HOLD FILL SLOPE INSIDE ROW			
259+50	260+00	HOLD CUT SLOPE INSIDE ROW			

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\11538005\DWGS\C\SHEETS\001_B0
Friday, August 17, 2012 7:13:06 PM
TAB: B2

ADDENDUM NUMBER

ATTACHMENT NUMBER

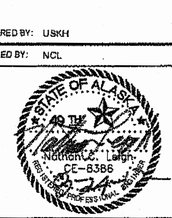
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

TYPICAL SECTIONS

PREPARED BY: USKH
CHECKED BY: NCL

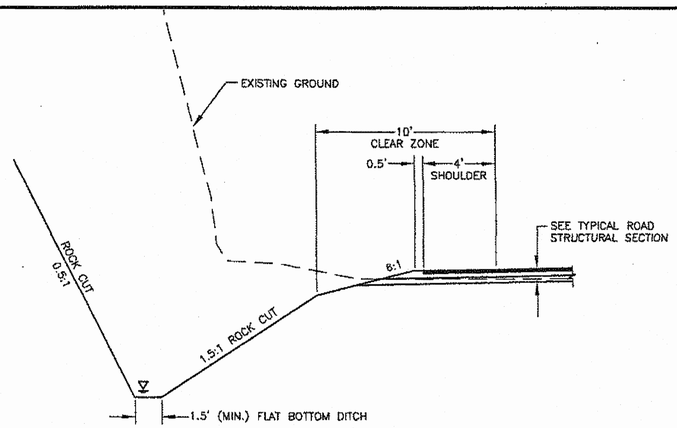


DESIGNED BY: NCL
DRAWN BY: WJP

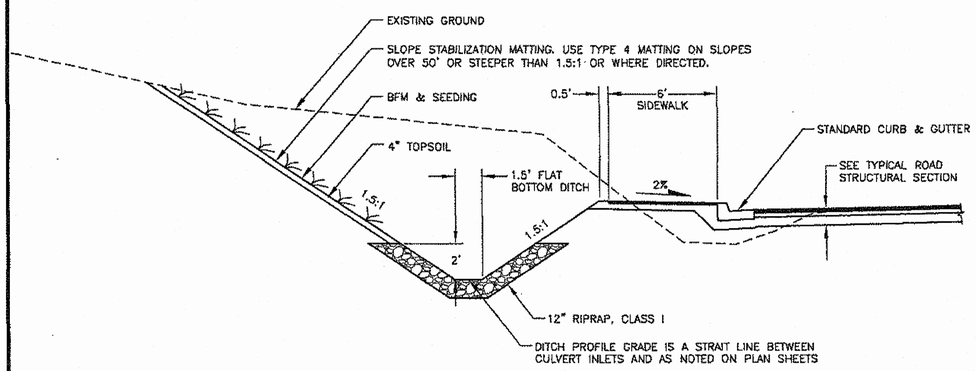
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

TYPICAL SECTIONS

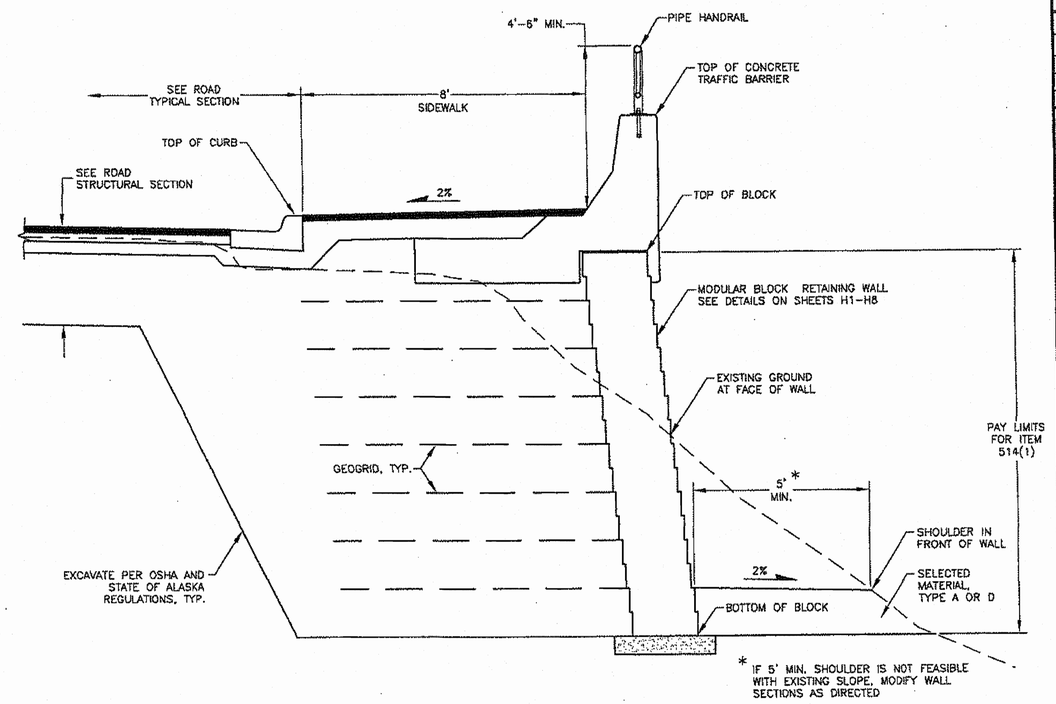
PROJECT DESIGNATION	
68216\MSG-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
B2	109



DRAINAGE DITCH
STA. 256+35 TO STA. 257+63

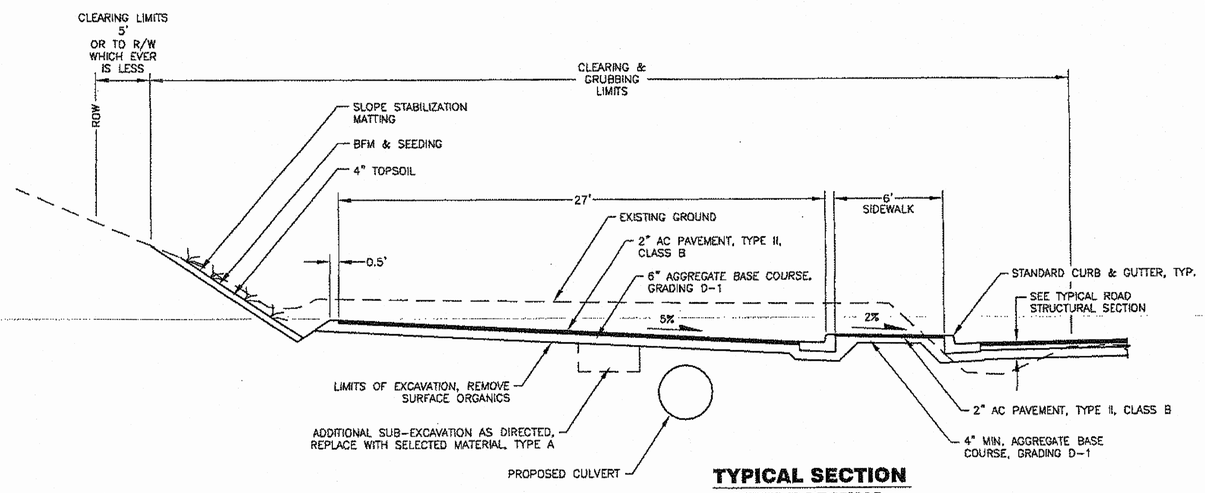


DRAINAGE DITCH
STA. 257+63 TO 266+00



MODULAR BLOCK RETAINING WALL WITH TRAFFIC BARRIER

STA. 189+20 TO STA. 191+10
STA. 208+60 TO STA. 210+60
STA. 241+60 TO STA. 247+20



TYPICAL SECTION
NEW PARKING

STA. 258+00 TO STA. 258+64
STA. 261+15 TO STA. 261+79

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge The Project As Constructed.
Proj. Eng. 6-24-13 Date

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PATH: I:\1153805\DWGS\C\SHEETS\B01_B05.DWG
Monday, August 20, 2012 1:41:33 PM
TAB: B3

ADDENDUM NUMBER

ATTACHMENT NUMBER

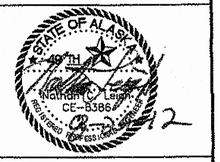
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

TYPICAL SECTIONS

PREPARED BY: USKH
CHECKED BY: NCL



DESIGNED BY: NCL
DRAWN BY: WJP

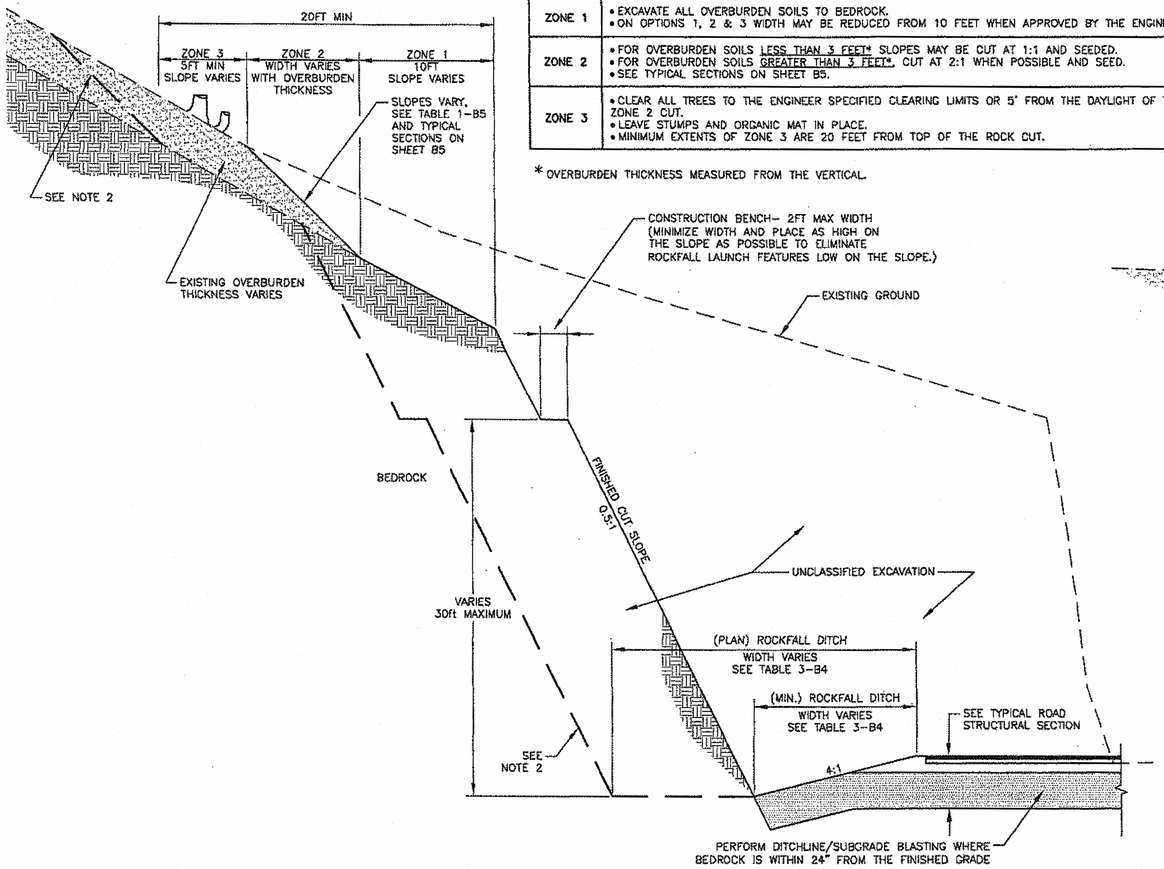
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

TYPICAL SECTIONS

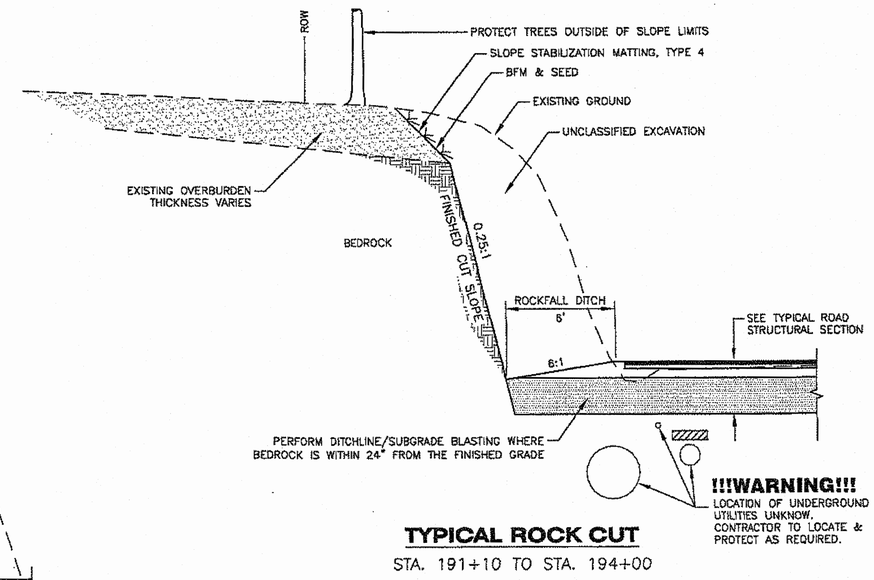
PROJECT DESIGNATION	
68216\MSG-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
B3	109

TABLE 1–B4 ZONE DESCRIPTION	
ZONE 1	• EXCAVATE ALL OVERBURDEN SOILS TO BEDROCK. • ON OPTIONS 1, 2 & 3 WIDTH MAY BE REDUCED FROM 10 FEET WHEN APPROVED BY THE ENGINEER.
ZONE 2	• FOR OVERBURDEN SOILS LESS THAN 3 FEET* SLOPES MAY BE CUT AT 1:1 AND SEEDED. • FOR OVERBURDEN SOILS GREATER THAN 3 FEET*, CUT AT 2:1 WHEN POSSIBLE AND SEED. • SEE TYPICAL SECTIONS ON SHEET B5.
ZONE 3	• CLEAR ALL TREES TO THE ENGINEER SPECIFIED CLEARING LIMITS OR 5' FROM THE DAYLIGHT OF THE ZONE 2 CUT. • LEAVE STUMPS AND ORGANIC MAT IN PLACE. • MINIMUM EXTENTS OF ZONE 3 ARE 20 FEET FROM TOP OF THE ROCK CUT.

* OVERBURDEN THICKNESS MEASURED FROM THE VERTICAL.



TYPICAL ROCK CUT FOR 0.5:1 SLOPES



TYPICAL ROCK CUT

STA. 191+10 TO STA. 194+00

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge The Project As Constructed.

Proj. Eng. 6-24-15 Date

NOTES FOR ROCK CUTS & OVERBURDEN SOILS TREATMENT OPTIONS:

1. DESIGN ROCKFALL DITCH WIDTHS ARE BASED ON AVAILABLE INFORMATION FROM GEOTECHNICAL REPORTS ON ROCK WALL HEIGHT, OVERBURDEN DEPTH AND ROCK STABILITY. THE ENGINEER WILL MODIFY ACTUAL ROCKFALL DITCH WIDTHS DEPENDING UPON OBSERVED FIELD CONDITIONS.
2. MINIMUM ROCKFALL DITCH WIDTHS ARE BASED ON THE MINIMUM WIDTH NEEDED FOR FALLING ROCKS. PLAN ROCKFALL DITCH WIDTHS INCLUDE AN ADDITIONAL WIDTH TO ACCOMMODATE TYPICAL ROCK DRILLING EQUIPMENT. UNCLASSIFIED EXCAVATION NEAT LINE MEASUREMENTS ARE BASED ON PLAN ROCKFALL DITCH WIDTHS.
3. OPTIONS FOR TREATMENT OF OVERBURDEN SOIL CUTS ARE BASED ON AVAILABLE INFORMATION PROVIDED IN THE GEOTECHNICAL REPORT. OVERBURDEN TREATMENT OPTIONS WILL BE ADJUSTED DURING CONSTRUCTION TO ACCOMMODATE ACTUAL CONDITIONS ENCOUNTERED IN THE FIELD.
4. DISTURBANCE OF ZONES 3 & 2 IS TO BE KEPT AT A MINIMUM. THIS INCLUDES KEEPING PIONEER ACCESS ROADS OUT OF ZONES 3 & 2. SUBSURFACE DISTURBANCE OF ZONES 3 & 2 MUST BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTORS EXPENSE.

TABLE 3–B4
ROCKFALL DITCH WIDTH AT 0.5:1 ROCK CUTS

BEGIN STATION	END STATION	MINIMUM		PLAN	
		CUT HEIGHT (ft)	DITCH WIDTH (ft)	CUT HEIGHT (ft)	DITCH WIDTH (ft)
204+40	208+40	60–90	10	90–110	19.5
210+80	212+50	60–90	10	–	–
** 212+50		60–90	10	60–90	19.5
212+50	216+20	60–90	10	–	–
216+60	217+50	30–60	8	–	–
219+00	222+50	60–90	10	60–90	20
223+00	226+00	30–60	8	–	–
226+50	230+75	30–60	8	60–90	19.5
233+75	234+50	0–30	10	–	–
237+60	238+30	0–30	6	–	–
256+40	257+40	0–30	DRAINAGE DITCH SEE DETAIL ON SHEET B3	–	–

** FOR PLAN DITCH WIDTH AT THIS LOCATION: TRANSITION FROM STA. 211+50 TO STA. 212+50 AND FROM STA. 212+50 TO STA. 213+50.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\1153805\DWGS\C\SHEETS\B01_B05.DWG
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TAB: B4

ADDENDUM NUMBER

ATTACHMENT NUMBER

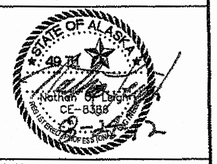
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

TYPICAL SECTIONS

PREPARED BY: USKH
CHECKED BY: NCL



DESIGNED BY: NCL
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

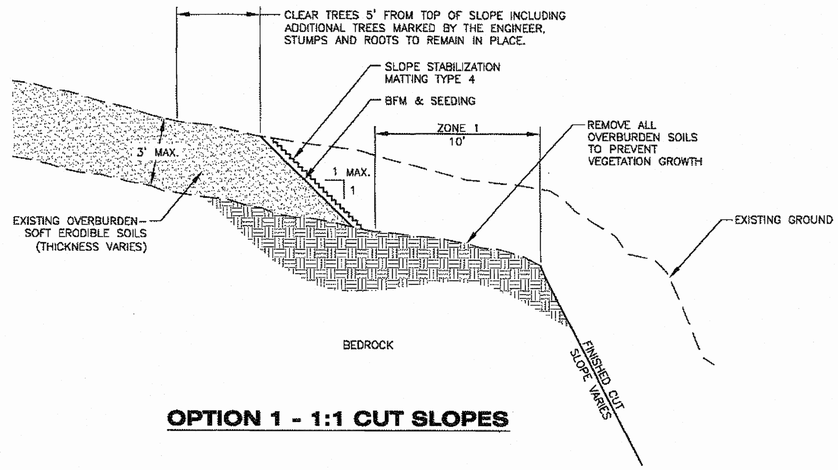
TYPICAL SECTIONS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

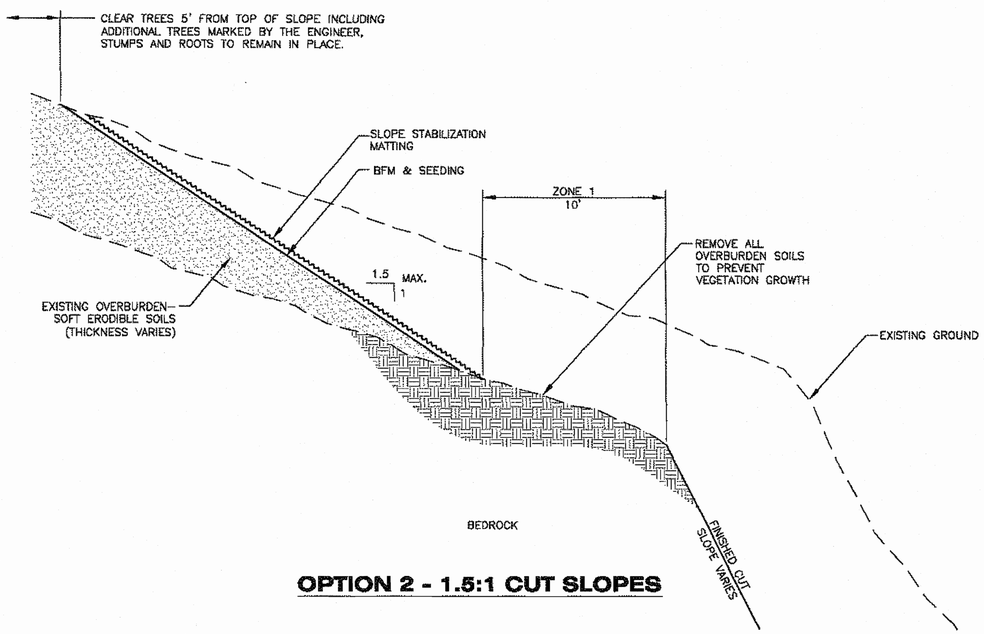
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
B4	109

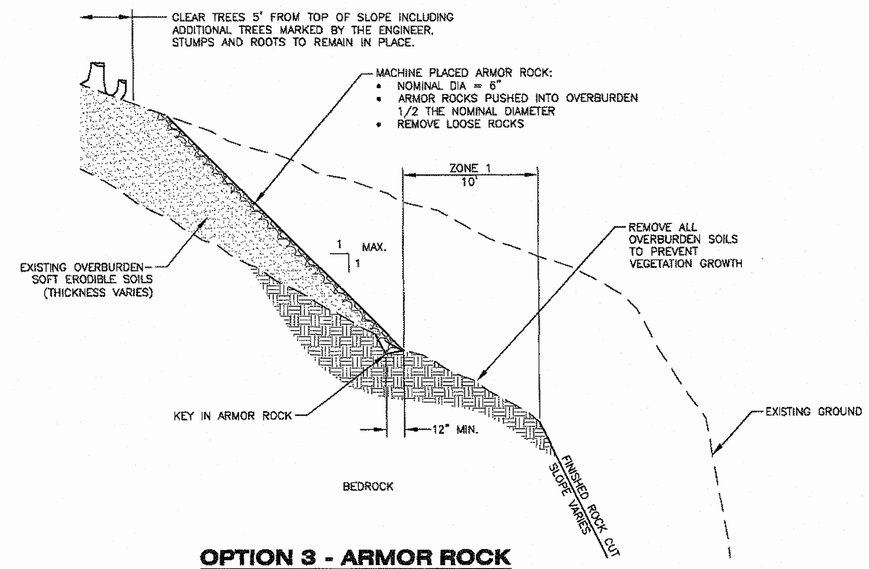
OVERBURDEN SOILS TREATMENT OPTIONS



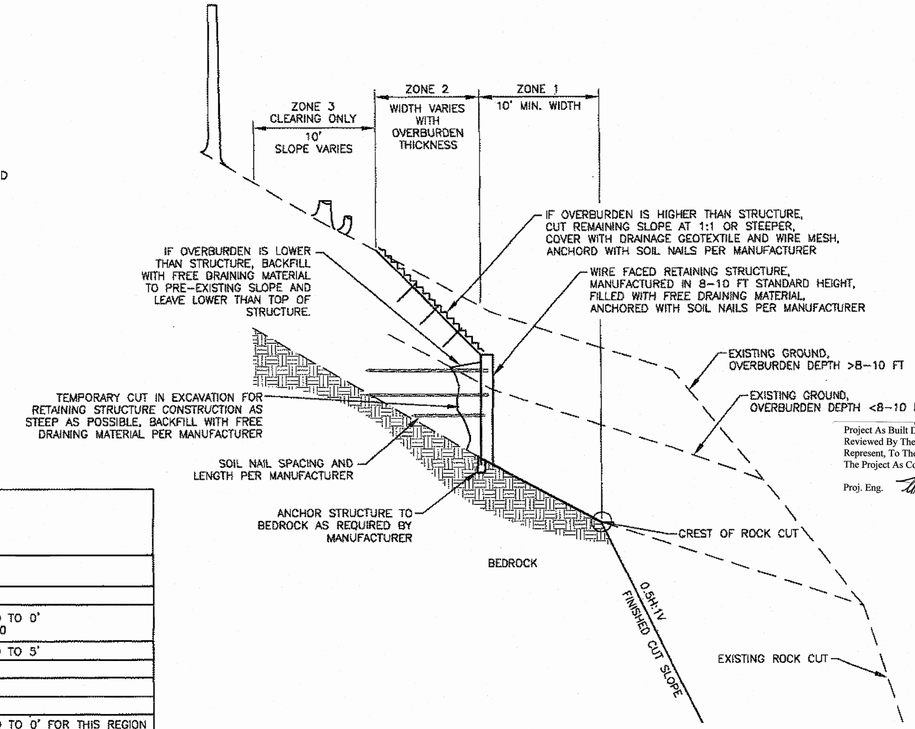
OPTION 1 - 1:1 CUT SLOPES



OPTION 2 - 1.5:1 CUT SLOPES



OPTION 3 - ARMOR ROCK



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge The Project As Constructed.
Proj. Eng. 6-24-15 Date

OPTION 4 - SOIL NAIL SLOPES

OPTION 4 TO BE USED WHEN DIRECTED BY THE ENGINEER AND WHEN OPTION 3 REQUIRES SLOPE LENGTHS GREATER THAN 20± FEET FOR ZONE 2

TABLE 1-B5
APPLICATION OF OVERBURDEN SOIL TREATMENT OPTIONS

BEGIN STATION	END STATION	OPTION	REMARKS
204+40	205+15	1	
205+25	206+25	4	
206+25	208+40	3	
208+00		–	MODIFY ZONE WIDTHS TO MATCH BEDROCK OUTCROP
210+80	211+75	1	
211+75	212+75	3	
212+50		3	THE WIDTH OF ZONE 1 IS REDUCED TO 0'
212+75	213+25	4	
213+25	214+35	3	
214+00		3	THE WIDTH OF ZONE 1 IS REDUCED TO 7'
214+35	216+20	2	

BEGIN STATION	END STATION	OPTION	REMARKS
216+60	217+50	2	
219+00	222+75	3	THE WIDTH OF ZONE 1 IS REDUCED TO 0' FROM STA. 220+15 TO STA. 221+20
222+00		3	THE WIDTH OF ZONE 1 IS REDUCED TO 5'
222+75	223+10	2	
223+10	227+75	1	
227+75	230+75	3	
233+75	234+50	1	THE WIDTH OF ZONE 1 IS REDUCED TO 0' FOR THIS REGION
237+60	238+30	1	THE WIDTH OF ZONE 1 IS REDUCED TO 0' FOR THIS REGION
256+40	257+40	2	

SEE SHEET B4 FOR NOTES

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PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\B01_B0

TAB: B5

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

TYPICAL SECTIONS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

TYPICAL SECTIONS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
B5	109

As Built

Item No	Pay Item	Pay Unit	* Quantity
201(3B)	Clearing and Grubbing	Lump Sum	All Required
202(1)	Removal of Structures and Obstructions	Lump Sum	All Required
202(2)	Removal of Pavement	Square Yard	33,848 ~~34,700~~
202(3)	Removal of Sidewalk	Square Yard	144 ~~144~~
202(4)	Removal of Culvert Pipe	Linear Foot	2,118 ~~2,000~~
202(6)	Removal of Manhole	Each	1
202(8)	Removal of Inlet	Each	7 ~~5~~
202(9)	Removal of Curb and Gutter	Linear Foot	555 ~~555~~
202(13)	Removal of Boardwalk	Linear Foot	396 ~~768~~
202(14)	Removal of Fence	Linear Foot	916 ~~1,674~~
203(3~~a~~)	Unclassified Excavation	Lump Sum ~~Cubic Yard~~	All Required ~~130,000~~ (C.O.#4) Addendum #6
203(~~b~~)(6)	Borrow, ~~Type A~~ Select Material, Type A	~~Cubic Yard~~ Ton	~~1,000~~ 500 Item Not Used
203(10)/203(10a)	Controlled Blasting / Modified Blasting Time	Linear Foot / Each	36,716 ~~56,400~~ /27 (C.O.#1)
203(11~~a~~)	Ditchline/Subgrade Blasting	Lump Sum ~~Square Yard~~	All Required ~~4,000~~ (C.O.#4)
203(12)	Drain Holes	Linear Foot	2,429 ~~4,000~~
203(19~~a~~)	Ditch Reconditioning	Lump Sum ~~Linear Foot~~	All Required ~~3,000~~ (C.O.#4)
203(20)	Backfill Culvert Pipe In-Place	Lump Sum	All Required Item Not Used
203(22)	Pre Blast Survey	Each	6 ~~13~~
203(23)	Contractor's Blasting Consultant	Lump Sum	All Required
205(5)	Porous Backfill Material, Type II	Cubic Yard	330 ~~500~~ Addendum #6
207(1)	Rock Bolt	Each	~~10~~ Item Not Used
207(2)	Rock Dowel	Each	~~10~~ Item Not Used
301(1) /301(1A)	Aggregate Base Course, Grading D-1	Ton	15,719 ~~17,493~~ /632 (IWA#F/CO.#4)
306(1)	ATB	Ton	5,439 ~~5,400~~
401(1)	Asphalt Concrete, Type II, Class B	Ton	5,072 ~~4,500~~
401(2)	Asphalt Cement, Grade PG 58-28	Ton	572 ~~550~~
401(6)	Asphalt Price Adjustment	Contingent Sum	All Required
401(10)	Asphalt Material Price Adjustment	Contingent Sum	All Required
402(1)	STE-1 Asphalt for Tack Coat	Ton	16
501(9)	Drill and Bond Dowels	Each	160
501(10)	Class R Concrete	Lump Sum	All Required
503(2)	Epoxy-Coated Reinforcing Steel	Lump Sum	All Required
506(10)	Reconstruction of Boardwalk	Lump Sum	All Required
511(1)	Mechanically Stabilized Earth Wall	Square Foot	12,750 ~~11,686~~
514(1)	SNS Stabilization	Square Foot	~~2,000~~ Item Not Used
515(1)	Concrete Splash Apron	Each	1 ~~2~~
603(17-12)	12 Inch Pipe	Linear Foot	35
603(17-18)	18 Inch Pipe	Linear Foot	1,277 ~~1,200~~
603(17-24)	24 Inch Pipe	Linear Foot	1,483 ~~1,400~~
104(1)	Differing Site Conditions	Lump Sum	All Required (C.O.#5)

Item No	Pay Item	Pay Unit	* Quantity
603(17-30)	30 Inch Pipe	Linear Foot	391 ~~390~~
603(17-36)	36 Inch Pipe	Linear Foot	187 ~~187~~
603(17-42)	42 Inch Pipe	Linear Foot	121
604(1A)	Storm Sewer Manhole, Type I	Each	1
604(4)	Adjust Existing Manhole	Each	2 ~~6~~
604(5)	Inlet Type A	Each	26
606(1)	W-Beam Guardrail	Linear Foot	3,904 ~~3,900~~
606(6)	Removing and Disposing of Guardrail	Linear Foot	5,827
606(12)	Guardrail/Bridge Rail Connection	Each	8
606(13)	Parallel Guardrail Terminal	Each	12 ~~16~~
607(10)	Removable Bollard	Each	4
608(1A)	Concrete Sidewalk, 4 Inches Thick	Square Yard	220
608(3)	Asphalt Sidewalk	Square Yard	9,980 ~~9,900~~
608(5)	Curb Ramp	Each	13
609(2)	Curb and Gutter, Type 1	Linear Foot	12,069 ~~12,000~~
611(1A)	Riprap, Class I	Cubic Yard	577 ~~300~~
611(1B)	Riprap, Class II	Cubic Yard	1,000
611(1C)(1)	Riprap, Class III	Lump Sum ~~Cubic Yard~~	All Required ~~7,500~~ C.O.#4 Addendum #6
611(5)	Armor Rock	Cubic Yard	300
614(2)	Concrete Barrier for Top of Walls	Linear Foot	947 ~~951~~
614(3)	Rock Fall Barrier	Linear Foot	501
615(1)	Standard Sign	Square Foot	144
615(2)	Remove and Relocate Existing Sign	Each	17
615(5)	Delineator, Flexible	Each	120 ~~110~~
615(6)	Salvage Sign	Each	10 ~~14~~
618(1)	Seeding	Acre	0.2 ~~2.6~~
619(2)	Matting	Square Yard	77 ~~6,700~~
619(3)	Matting, Type 4	Square Yard	412 ~~3,000~~
619(4)	Bonded Fiber Matrix (BFM)	Pound	778 ~~10,400~~
620(1)	Topsoil	Square Yard	522 ~~10,100~~
621(1)	Tree	Each	6
622(20)	Precast Concrete Bench	Each	2
622(21)	Precast Concrete Picnic Table	Each	1
625(1A)	Pipe Hand Rail	Linear Foot	1,345 ~~1,345~~
625(1B)	Pipe Rail on Retaining Wall Barrier	Linear Foot	957 ~~957~~
627(6)	Fire Hydrant Relocation	Each	2
627(10)	Adjustment of Valve Box	Each	9
627(11)	Relocate Drain Port Assembly	Each	1
630(1)	Geotextile, Separation, Class IV	Square Yard	75 ~~5,000~~

* Note: Final Qty. In Red

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\C01-C02

TAB: C01

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ESTIMATE OF QUANTITIES

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ESTIMATE OF QUANTITIES

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
C1	109

AS BUILT

Item No	Pay Item	Pay Unit	* Quantity	
632(1)	Paving Fabric	Square Yard	828 ~~845~~	
633(1)	Silt Fence	Linear Foot	~~1,100~~	Item Not Used
633(2)	Sediment Barrier	Linear Foot	5,298 ~~4,830~~	
634(1)	Geogrid, Type Biaxial	Square Yard	~~7,410~~	Item Not Used
635(1)	Insulation Board	MBM	1.171 ~~4~~	
639(10)	Driveway / Approach	Each	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	Contingent Sum	All Required	
641(5)	Temporary Erosion, Sediment and Pollution Control Additives	Contingent Sum	All Required	
641(6)	Withholding	Contingent Sum	All Required	
641(7)	SWPPP Manager	Lump Sum	All Required	
641(8)	Temporary Sawmill Creek Diversion	Lump Sum	All Required	
641(9)	Check Dam	Each	28 ~~161~~	
641(10)	Rock Filter Dam	Each	1 ~~39~~	
641(11)	Temporary BFM	Pound	592 ~~2,400~~	
641(12)	Temporary Seeding	Square Yard	1,200	
641(13)	Culvert Bypass	Each	~~8~~	Item Not Used
641(14)	Slope Drain	Each	2	
641(15)	Catch Basin Insert	Each	9 ~~42~~	
641(16)	Gravel Filter Berm	Linear Foot	1,400	
641(17)	Interception/Diversion Ditch	Linear Foot	500	
641(18)	Plastic Covering	Square Yard	300	
641(19)	Portable Sediment Tank	Lump Sum	~~1~~	Item Not Used
642(1)	Construction Surveying	Lump Sum	All Required	
642(3)	Three Person Survey Party	Hour	200	
642(4)	Set Primary Monument	Each	~~2~~ 3	
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(1)	Field Office	Lump Sum	All Required	
644(6)	Vehicles	Lump Sum	All Required	
645(1)	Training Program, 2 Trainees/Apprentices	Hour	950 ~~1,000~~	Addendum #6
646(1)	~~CMP~~ CPM Scheduling	Lum Sum	All Required	
662(1)	Communications Conduit and Vault System Installation	Lump Sum	All Required	
670(1)	Painted Traffic Markings	Lump Sum	All Required	
670(8)	Recessed Pavement Marker	Each	190 ~~183~~	

* Note: Final Qty. In Red

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\C01-C02

TAB: C02

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ESTIMATE OF QUANTITIES

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ESTIMATE OF QUANTITIES

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
C2	109

BASIS OF ESTIMATE		
ITEM NO.	PAY ITEM	FACTOR
201(3B)	CLEARING AND GRUBBING	12.1 ACRES
203(3)	UNCLASSIFIED EXCAVATION	5%-10% MUCK EXCAVATION
		20%-30% COMMON EXCAVATION
		60%-70% ROCK EXCAVATION
203(20)	BACKFILL CULVERT PIPE IN-PLACE	0.19 CY/LF + 5%
206(1)	ROCK BOLT	30 LF / PER EACH
206(2)	ROCK DOWEL	10 LF / PER EACH
301(1)	AGGREGATE BASE COURSE	1.96 TONS/CY
306(1)	ATB	116 LB/SY-IN
306(2) PAID UNDER 401(1)	ASPHALT CEMENT, TYPE PG 58-28	4% OF ITEM 306(1)
401(1)	ASPHALT CONCRETE, TYPE B	116 LB/SY-IN
401(2)	ASPHALT CEMENT, GRADE PG 58-28	6% OF ITEM 401(1)
402(1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/SY (243 GAL/TON)
619(4)	BONDED FIBER MATRIX (BFM)	4000 LB / ACRE
641(11)	TEMPORARY BFM	3000 LB / ACRE

+1,000 SF of invasive plants (ADDENDUM #7)

670(1) PAINTED TRAFFIC MARKINGS - BASIS OF ESTIMATE - LINEAR FOOT				
SYMBOL	DESCRIPTION	WIDTH	PATTERN	QUANTITY
A	SOLID WHITE	4"		18,324
B	SOLID DOUBLE YELLOW	4" X 2	4" 4" 13"	18,617
C	SOLID BLUE	4"		434
ADA	SOLID BLUE, INTERNATIONAL SYMBOL OF ACCESSIBILITY	4"	SEE PLAN	80

EARTHWORK ESTIMATE (CY)		
	ADDENDUM #07	
UNCLASSIFIED EXCAVATION	89,000 ~~130,000~~	NEAT LINE CALCULATION
MSE WALL & SUBGRADE REINFORCMENT EXCAVATION	12,000 ~~17,000~~	
MATERIAL USED BY PROJECT	44,200 ~~58,000~~	PROCESSED FOR SELECT MATERAIL, REINFORCED FILL, RIPRAP, ARMOR ROCK, D-1 ATB, ETC.
MATERIAL STORED WITHIN PROJECT LIMITS	3,400 ~~5,000~~	SEE DETAIL SHEET E2
DISPOSAL OF UNUSABLE OR SURPLUS MATERIAL	~~86,000~~	50% UNUSABLE MATERIAL
	53,400	50% SURPLUS MATERIAL

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\1153805\DWGS\C\SHEETS\C03.DWG

TAB: C03

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
SAWMILL CREEK ROAD UPGRADE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ESTIMATE OF QUANTITIES

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ESTIMATE OF QUANTITIES

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
C3	109

202(1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS

BEGIN		END		DESCRIPTION
STATION	OFFSET	STATION	OFFSET	
261+43	65 LT	262+67	50 LT	(6) CONCRETE SLABS
255+63	25 LT	-	-	CULVERT HADWALL
258+33	39 RT	259+53	41 RT	TIMBER WHEEL STOP

202(3) REMOVAL SIDEWALK - SQUARE YARD

BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
185+24	69 RT	185+30	59 RT	8	
259+52	48 RT	261+00	53 RT	83	
261+14	54 RT	261+79	89 RT	53	
			TOTAL:	144	

202(4) REMOVAL OF CULVERT PIPE - LINEAR FOOT

INLET		OUTLET		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
189+72	19 LT	190+16	19 LT	39.8 ~~40~~	
190+58	2 LT	190+54	43 RT	~~0~~ ~~45~~	
192+26	13 LT	192+29	44 RT	58	
194+62	22 LT	194+61	36 RT	64 ~~58~~	
204+39	22 LT	204+41	38 RT	61	
209+40	22 LT	209+35	30 RT	22 ~~52~~	
210+79	35 RT	210+79	40 RT	30 ~~5~~	
210+83	19 LT	210+79	35 RT	~~0~~ ~~26~~	
214+58	13 LT	214+58	58 RT	72	
216+44	20 LT	216+34	45 RT	73 ~~68~~	
218+46	29 LT	218+45	43 RT	90 ~~76~~	
226+21	14 LT	226+19	51 RT	74.4 ~~62~~	
228+55	22 LT	228+57	41 RT	65.7 ~~84~~	
231+71	28 LT	231+99	114 RT	147 ~~144~~	
234+99	12 LT	235+05	44 RT	58.8 ~~37~~	
235+92	23 LT	235+90	67 RT	94 ~~91~~	
239+80	30 LT	239+65	42 RT	73.2 ~~74~~	
243+38	38 LT	243+81	17 RT	~~35~~ ~~21~~ 79.5	
253+69	8 LT	253+67	27 RT	~~0~~ ~~35~~	
253+67	27 RT	254+05	42 RT	30 ~~40~~	
255+63	24 LT	255+63	32 RT	~~0~~ ~~57~~	
257+44	26 LT	256+42	23 LT	105 ~~98~~	
259+56	34 RT	259+14	91 RT	~~0~~ ~~71~~	
260+75	27 RT	259+56	34 RT	107 ~~119~~	
261+20	61 LT	261+14	26 LT	34.5 ~~36~~	
261+96	91 RT	262+02	34 RT	54.2 ~~95~~	
262+02	34 RT	260+75	27 RT	125 ~~127~~	
263+10	28 LT	263+00	27 LT	~~0~~ 10	
263+10	26 LT	263+00	25 LT	~~0~~ 10	
265+81	26 LT	263+23	31 LT	246 ~~262~~	
23+475				22	
278+05	LT	279+25	LT	20	
223+50	LT	223+90	LT	40	
271+25	LT	272+15	RT	40	
259+40	RT			10	
259+45	RT	260+22	RT	77	
261+15	RT	261+32		16.3	
261+00	LS RT			12.4	
190+71	LT			35.4	
			TOTAL	1,564.2	

202(6) REMOVAL OF MANHOLE - EACH

STATION	OFFSET	REMARKS
253+67	27 RT	
259+56	34 RT	ID AS INLET ON PLANS
TOTAL	2	

202(8) REMOVAL OF INLET - EACH

STATION	OFFSET	REMARKS
204+39	22 LT	
~~259+56~~	~~34 RT~~	MANHOLE
260+75	27 RT	
261+96	91 RT	
262+02	34 RT	
TOTAL:	4 ~~5~~	

202(9) REMOVAL OF CURB AND GUTTER - LINEAR FOOT

BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
185+24	69 RT	185+37	27 RT	68.7 ~~45~~	
253+80	68 RT	254+83	62 RT	~~0~~ ~~103~~	5'BS Driveway, No CG
254+49	101 RT	254+84	101 ~~88~~ RT	67.5 ~~70~~	
257+62	72 RT	258+00	38 RT	52 ~~54~~	
258+32	39 RT	258+66	103 RT	79 ~~86~~	
259+53	43 RT	261+76	56 RT	217.9 ~~221~~	
233+16	RC			20	
			TOTAL	505.1	

202(13) REMOVAL OF BOARDWALK - LINEAR FOOT

BEGIN		END		QUANTITY	
STATION	OFFSET	STATION	OFFSET		
185+~~87~~ 24	52 RT	186+~~49~~ 38	47 RT	139.6 ~~318~~	
188+~~74~~ 74	60 RT	190+~~84~~ 84	27 RT	256.5 ~~232~~	
			TOTAL:	396.1 ~~758~~	

202(14) REMOVAL OF FENCE

BEGIN	END	OFFSET	QUANTITY	REMARKS
267+72	273+95	RT	~~586~~ 577	FOOTPRINT OF THE BEAR FENCE
268+55	273+62	LT	~~573~~ ~~0~~	CONTRACTOR TO VERIFY THAT FENCE HAS BEEN RELOCATED OUTSIDE OF ROW.
273+85	274+98	LT	~~153~~ ~~0~~	IF FENCE REMAINS INSIDE OF ROW: SALVAGE EXISTING FENCE AND STORE AS DIRECTED.
274+20	275+78	RT	~~151~~ 162	
277+13	278+58	RT	~~154~~ 177	CBS RECEIVING
		TOTAL	916 ~~1814~~	

203(~~18~~ 19a) DITCH RECONDITIONING - LINEAR FOOT (CO#4)

BEGIN STA	END STATION	OFFSET	QUANTITY	REMARKS
~~185+22~~ 203+50	~~190+60~~ 204+40	LT	~~538~~ 90	
194+75	~~201+50~~ 205+50	LT	~~646~~ 575	
217+75	219+~~05~~ 20	LT	~~125~~ 145	
~~230+00~~ 231+69	~~233+60~~ 234+98	LT	~~960~~ 89	
235+25	235+75	LT	~~50~~ ~~0~~	
236+40	237+25	LT	85	
238+30 46	239+58	LT	~~128~~ 112	
240+70	245+32	LT	462	
250+45	255+45 CB	LT	~~500~~ 463	
		TOTAL:	~~3088~~	

203(20) BACKFILL CULVERT PIPE IN PLACE

STATION	OFFSET	REMARKS
~~201+21~~	~~CROSSING~~	~~BASIS OF ESTIMATE IS 30 CY~~
~~180+54~~	~~43 LT~~	~~BASIS OF ESTIMATE IS 15 CY~~
	TOTAL:	~~45 CY~~ ~~0~~

203(22) PRE BLAST SURVEY - EACH

BEGIN STATION	END STATION	OFFSET	REMARKS
~~193+50~~	~~194+00~~	~~LT~~	~~BRIAN BEALL, RESIDENCE~~
~~240+13~~		~~LT~~	~~CBS, WATER LINE VAULT~~ NOT PERFORMED
~~RUNS LENGTH OF PROJECT~~		~~LT & RT~~	~~CBS, WATER LINE~~
~~RUNS LENGTH OF PROJECT~~		~~LT & RT~~	~~CBS, WASTEWATER LINE~~
~~247+90~~	~~EOP~~	~~LT & RT~~	~~SITKA ELECTRIC POWER LINE~~
248+00	248+75	RT (1)	CBS, WATER TREATEMENT PLANT AND SURROUNDING BUILDINGS
248+60	254+00	RT (2)	SILVER BAY SEAFOODS, MAIN PROCESSING PLAN AND SURROUNDING BUILDINGS
252+46	252+82	RT (3)	CBS WASTEWATER PUMP HOUSE
254+60	256+60	RT (4)	TRUALASKA WATER, BOTTLING FACILITY
259+40	262+40	RT (5)	SAWMILL COVE INDUSTRIAL PARK, ADMINISTRATIVE BUILDING
261+00	262+50	RT (6)	ELECTRICAL STATION IN SAWMILL COVE INDUSTRIAL PARK
~~263+60~~	~~266+20~~	~~RT~~	~~SAWMILL COVE INDUSTRIAL PARK, WAREHOUSE~~ NOT PERFORMED
~~263+60~~	~~268+60~~	~~RT~~	~~SILVER BAY SEAFOODS, BUNKHOUSE~~
TOTAL:		~~13~~ 6	

— ITEM NOT USED —

207(1) ROCK BOLT - EACH

BEGIN STATION	END STATION	QUANTITY	REMARKS
TBD	TBD	~~10~~ ~~0~~	LOCATE ROCK BOLTS AS DETERMINED BY THE ENGINEER DURRING CONSTRUCTION

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\D01_D05

TAB: D1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 89615

SUMMARY TABLES

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SUMMARY TABLES

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
D1	109

— Item Not Used —

207(2) ROCK DOWEL - EACH

BEGIN STATION	END STATION	QUANTITY	REMARKS
TBD	TBD	~~10~~ ~~0~~	LOCATE ROCK DOWELS AS DIRECTED BY THE ENGINEER
NOTE: CREST DOWELS AS CALLED OUT ON PLANS ARE PAID FOR UNDER THIS ITEM.			

511(1) MECHANICALLY STABILIZED EARTH WALL - SQUARE FOOT

WALL NO.	BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	QUANTITY	REMARKS
1	189+20.00	RT	191+10.50	RT	~~1514~~ 1837	SEE DETAILS ON SHEET H1
2	208+60.00	RT	210+60.25	RT	~~1594~~ 1986	SEE DETAILS ON SHEET H2
3	241+60.00	RT	247+20.25	RT	~~8587~~ 9603	SEE DETAILS ON SHEETS H3-H5
				TOTAL:	~~11,695~~ 12,426	

514(1) SNS STABILIZATION - SQUARE FOOT

BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	QUANTITY	REMARKS
205+25	LT	206+25	LT	~~0~~ ~~1800~~	
212+75	LT	213+25	LT	~~0~~ ~~400~~	
			TOTAL:	~~0~~ ~~2000~~	
NOTE: SEE DETAIL ON SHEET B5					

603(17) PIPE - LINEAR FOOT

	PIPE NO.	LENGTH AND SIZE 603(17-12) 12"	603(17-18) 18"	603(17-24) 24"	603(17-30) 30"	603(17-36) 36"	603(17-42) 42"	INLET STATION	INLET OFFSET	INLET INVERT ELEVATION	OUTLET STATION	OUTLET OFFSET	OUTLET INVERT ELEVATION	GRADE (FT./FT.)	REMARKS
Deleted →	~~P-01~~	~~16~~						~~188+50.01~~	~~27.81 RT~~	~~77.50~~	~~188+50.05~~	~~28.83 RT~~	~~77.00~~	0.05	
	P-02		42.8 ~~35~~					189+72.42	24.26 LT	73.23	190+16.42	24.25 LT	70.37	0.07	
Deleted →	~~P-03~~		~~17~~					~~190+25.00~~	~~16.00 RT~~	~~73.77~~	~~190+25.00~~	~~27.38 RT~~	~~73.55~~	0.02	
	P-04			~~68~~ 67.8				192+25.54	24.32 LT	68.39	192+29.17	44.41 RT	65.87	0.04	
	P-05			~~51~~ 70.2				194+62.02	24.92 LT	59.22	194+60.96	36.34 RT	57.66	0.04	
	P-06		25.9 ~~25~~					197+50.00	16.00 RT	47.17	197+50.04	37.30 RT	46.77	0.02	
	P-07				~~180~~ 155.3			201+16.42	107.84 LT	28.35	201+16.42	51.81 RT	13.37	0.09	
	P-08		19.9 ~~17~~					204+40.00	16.00 RT	30.00	204+40.00	33.37 RT	29.67	0.02	
	P-09			~~83~~ 66.5				204+69.96	21.11 LT	29.36	204+69.95	41.64 RT	25.76	0.06	
	P-10			~~51~~ 52.5				209+39.68	22.57 LT	22.73	209+35.57	27.66 RT	20.75	0.04	
	P-11			~~69~~ 70.2				210+83.15	25.75 LT	22.55	210+78.99	42.64 RT	15.46	0.10	
	P-12		32.8 ~~35~~					212+75.00	16.00 RT	21.14	212+75.00	45.28 RT	20.57	0.02	
	P-13			~~77~~ 84.6				214+68.29	17.53 LT	21.02	214+58.45	58.42 RT	17.26	0.05	
	P-14		32.2 ~~28~~					215+50.00	16.00 RT	22.34	215+50.00	44.31 RT	21.79	0.02	
	P-15			~~70~~ 90.5				216+44.19	23.49 LT	21.95	216+33.71	45.27 RT	13.91	0.12	
	P-16				~~87~~ 120			218+45.70	33.95 LT	18.38	218+44.71	52.94 RT	12.59	0.07	
	P-17		33.5 ~~17~~					220+50.00	16.00 RT	27.91	220+50.00	33.37 RT	27.58	0.02	
	P-18		38.8 ~~17~~					225+00.00	16.00 RT	36.24	225+00.00	33.37 RT	35.91	0.02	
	P-19			~~78~~ 84.1				226+21.61	27.34 LT	35.72	226+18.92	50.99 RT	31.97	0.05	
	P-20			~~68~~ 72				228+55.39	24.39 LT	39.53	228+56.63	41.33 RT	35.14	0.07	
	P-21			14 ~~14~~				231+70.92	28.75 LT	34.68	231+98.57	113.97 RT	25.32	0.07	
	P-22		29.7 ~~25~~					232+00.00	67.76 RT	35.63	232+07.88	93.21 RT	35.13	0.02	
	P-24			~~69~~ 70.5				234+97.31	24.04 LT	36.70	235+04.73	44.15 RT	32.17	0.07	
	P-25				~~98~~ 86			235+92.26	30.79 LT	32.76	235+90.03	67.05 RT	17.71	0.15	
	P-26	~~25~~	31.5					237+64.76	35.89 RT	45.47	237+45.75	52.13 RT	44.73	0.03	
	P-27			~~27~~ 36				239+52.08	100.82 RT	46.26	239+59.43	118.44 RT	40.00	0.31	
	P-28			~~24~~ 90.1				239+79.96	29.68 LT	47.53	239+65.05	42.32 RT	45.69	0.03	
	P-29			~~64~~ 68				243+39.18	30.22 LT	45.05	243+67.20	16 ~~27.00~~ RT	37.41	0.12	
	P-30		~~15~~	10.5				~~244+00.00~~	~~16 RT~~	~~43.16~~	~~244+00.00~~	~~28 RT~~	~~42.96~~	0.02	
Deleted →	~~P-31~~		~~15~~					~~247+00.00~~	~~16.00 RT~~	~~40.46~~	~~247+00.00~~	~~27.38 RT~~	~~40.25~~	0.02	
	P-32			56				248+75.00	20.50 LT	37.51	248+75.00	37.56 RT	36.37	0.02	
	P-33			~~90~~ 83				252+83.10	16.00 RT	28.58	253+67.49	35.44 RT	24.71	0.05	
	P-34			~~45~~ 59				253+70.42	23.23 LT	27.79	253+65.94	35.44 RT	24.81	0.05	
	P-35			~~34~~ 35.7				253+72.25	24.08 RT	19.00	254+01.18	41.08 RT	18.00	0.03	
	P-36		15.5 ~~15~~					255+25.00	16.00 RT	25.35	255+25.00	31.78 RT	25.08	0.02	
	P-37			56				255+62.88	24.25 LT	17.79	255+62.88	30.40 RT	14.64	0.06	
	P-38						15.5	256+36.39	29.65 LT	19.56	256+36.15	15.45 LT	18.70	0.06	
	P-40						106	258+69.74	38.92 LT	21.63	257+63.01	36.93 LT	20.72	0.01	
Deleted →	~~P-41~~				~~26~~			~~261+20.30~~	~~60.88 LT~~	~~29.34~~	~~261+03.12~~	~~41.91 LT~~	~~28.08~~	0.17	
	P-42					80.5		261+84.29	38.98 LT	28.31	261+04.36	38.79 LT	25.09	0.04	
	P-43	19'				106.6		263+80.00	28.17 LT	32.50	262+99.88	30.46 LT	32.06	0.01	
Deleted →	~~P-50~~			~~30~~				~~263+77.~~ ~~263+81.47~~	~~33.12 LT~~ ~~65.69 LT~~	~~30.82~~	~~263+00.~~ ~~263+81.44~~	~~28.44 LT~~ ~~35.59 LT~~	~~36.22~~	0.02	
	P-51				20			265+88.00	24.75 LT	38.69	265+68.00	24.75 LT	38.59	0.01	
	P-52		67.8 ~~65~~					259+43.58	28.00 RT	23.20	259+14.94	89.55 RT	17.86	0.08	
	P-53		85.3 ~~88~~					260+31.34	24.00 RT	24.40	259+43.56	28.00 RT	23.30	0.01	
	P-54		84.8 ~~88~~					261+19.04	24.00 RT	26.50	260+31.34	24.00 RT	24.50	0.02	
	P-55		80.8 ~~84~~					262+00.00	50.00 RT	27.55	261+19.04	24.00 RT	26.60	0.01	
	P-56		60.8 ~~70~~					262+63.77	16.00 RT	30.40	262+00.00	50.00 RT	27.65	0.04	
	P-57		117 ~~118~~					263+84.93	16.00 RT	34.08	262+63.77	16.00 RT	30.50	0.03	
	P-58		141 ~~144~~					265+25.00	16.00 RT	38.69	263+84.93	16.00 RT	34.18	0.03	
	P-59			~~48~~ 44.5				267+63.11	16.00 RT	42.18	267+50.00	26.18 LT	41.60	0.01	
	P-60		102 ~~108~~					272+82.75	16.00 RT	41.08	273+91.37	16.00 RT	37.62	0.03	
	P-61		101 ~~104~~					273+91.37	16.00 RT	37.52	275+00.00	16.00 RT	33.81	0.04	
	P-62		76.5 ~~79~~					275+00.00	16.00 RT	33.71	275+82.17	16.00 RT	31.03	0.03	
	P-63		79 ~~80~~					275+82.17	16.00 RT	30.93	276+64.18	39.67 RT	28.36	0.03	
	P-64			~~70~~ 71				208+30.00	23.91 LT	25.06	208+30.00	46.08 RT	23.66	0.02	
Deleted →	~~P-65~~					~~20~~		~~260+81.04~~	~~40.90 LT~~	~~24.76~~	~~260+81.04~~	~~40.90 LT~~	~~24.47~~	0.01	
	TOTAL:	17 ~~35~~	1,871.3 ~~1277~~ *	1,483.4 ~~1405~~	381.3 ~~391~~	187.1 ~~183~~	121.5								

LOCATION OF EXISTING UTILITES ARE UNKNOWN.
EXISTING CULVERTS ARE TO BE REPLACED AT THE SAME LINE AND GRADE WHICH SHOULD NOT HAVE CONFLICTS WITH THE EXITSTING UTILITIES.
NOTIFY THE ENGINEER IF ANY CONFLICTS ARISE.

* with 580.6 LF of Additional Pipe

603(17) PIPE - LF

PIPE NO	LENGTH & SIZE 603(17-18) 18"	INLET STATION	OUTLET STATION
P-101	55.4	268+30 LT	268+80 LT
P-102	67	270+80 LT	271+45 LT
P-103	54	271+27 LT	271+75 LT
P-104	108.8	273+50 LT	274+50 LT
P-105	45.2	274+80 LT	276+00 RT
P-106	10.5	270+20 LT	270+30 LT
P-107	10.6	270+50 LT	270+60 LT
P-108	20	273+10 LT	273+30 LT
P-109	9.9	258+75 RT	258+75 RT
P-110	11.7	213+85	213+73 LT
P-111	118.4	248+75 RT	247+75 RT
P-112	12.5	186+56 RT	186+58 RT
	56.6	190+72 LT	190+91 RT (HSE Wall #1)
Subtotal	580.6		

Added by Directive #7

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\D01_D0

TAB: D2

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SUMMARY TABLES

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8388 8/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SUMMARY TABLES

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
D2	109

604 (1A) (5) STORM SEWER MANHOLE, TYPE I, AND INLET, TYPE A - EACH

STRUCTURE NO.	STRUCTURE TYPE 604(1A) STORM DRAIN MANHOLE TYPE I	STRUCTURE TYPE 604(5) STORM DRAIN INLET TYPE A	STATION	OFFSET	RIM ELEVATION	TYPE OF CASTING	REMARKS
Deleted → ~~S-01~~ S-39		~~X~~	~~188+22.00~~	~~16.00 RT~~	~~76.77~~	~~GCBI~~	~~ADDED INLET~~
S-02		X	197+50.00	16.00 RT	50.17	GCBI	
S-03		X	204+40.00	16.00 RT	33.00	GCBI	
S-04		X	212+75.00	16.00 RT	24.14	GCBI	
S-05		X	215+50.00	16.00 RT	25.34	GCBI	
S-06		X	220+50.00	16.00 RT	30.91	GCBI	
S-07		X	225+00.00	16.00 RT	39.24	GCBI	
S-09		X	232+00.00	67.76 RT	38.63	GCBI	
S-10		X	~~244+70.00~~	16.00 RT	46.16	GCBI	Relocated
Deleted → ~~S-11~~ S-40		~~X~~	~~247+60.00~~	~~16.00 RT~~	~~43.48~~	~~GCBI~~ FIFG	~~ADDED INLET~~
S-12		X	248+75.00	20.50 LT	40.51	GCBI	
S-13		X	252+83.10	16.00 RT	31.51	GCBI	
S-14	X		253+65.94	35.44 RT	28.64	GIFG	
S-15		X	255+25.00	16.00 RT	28.24	GCBI	
S-26		X	259+43.56	28.00 RT	26.07	GCBI	
S-27		X	260+31.34	24.00 RT	27.34	GCBI	
S-28		X	261+19.04	24.00 RT	29.38	GCBI	
S-29		X	262+00.00	50.00 RT	30.47	FIFG	
S-30		X	262+63.77	16.00 RT	33.37	GCBI	
S-31		X	263+84.93	16.00 RT	36.93	GCBI	
S-32		X	265+29.00	16.00 RT	41.55	GCBI	
S-33		X	267+63.11	16.00 RT	45.16	GCBI	
S-34		X	272+82.75	16.00 RT	43.83	GCBI	
S-35		X	273+91.37	16.00 RT	40.37	GCBI	
S-36		X	275+00.00	16.00 RT	36.56	GCBI	
S-37		X	275+82.17	16.00 RT	33.78	GCBI	
S-38		X	209+39.68	22.57 LT	26.38	FIFG	
TOTAL:	1	26					

FIFG = FIELD INLET FRAME AND GRATE, MHFL = MANHOLE FRAME AND LID,
GCBI = GRATE AND CURB BOX INLET, GIFG = GUTTER INLET FRAME AND GRATE

604(4) ADJUST EXISTING MANHOLE - EACH

STATION	OFFSET	REMARKS
229+58.00	19.00 RT	
Deleted → ~~253+67.27~~	~~26.92 RT~~	~~INSTALL GRATE AND CURB BOX INLET~~
~~254+29.43~~	~~62.26 RT~~	~~REGRADE AREA TO DRAIN AS NEEDED~~ - N.A. -
~~254+63.00~~	~~53.81 RT~~	- N.A. -
~~254+64.78~~	~~33.84 RT~~	- N.A. -
258+03.68	85.13 RT	
TOTAL:	~~3~~ 2	

606(1) W-BEAM GUARDRAIL - LINEAR FOOT

BEGIN STATION	END STATION	OFFSET	QUANTITY	REMARKS
185+53.20 91	186+76.05 55	RT	~~57~~ 62	
188+64.35	189+20.00	RT	0	CONNECT TO RETAINING WALL TRAFFIC BARRIER
191+10.50 25	208+00.00 67	RT	~~1780~~ 1740	CONNECT TO RETAINING WALL TRAFFIC BARRIER
210+60.25 78	~~222+00.00~~ 221+67	RT	~~1141~~ 1175	
226+78 ~~227+49.14~~	~~229+99.03~~ 229+55	RT	~~170~~ 277	
~~230+64.13~~ 230+64.13	236+~~49.31~~ 128	RT	~~225~~ 227	
241+04.35	241+60.00	RT	0	
247+~~20.00~~ 38	250+~~95.80~~ 67	RT	~~331~~ 329	CONNECT TO RETAINING WALL TRAFFIC BARRIER
218+68 ~~268+72.03~~	223+87 ~~270+93.90~~	RT	~~139~~ 331	DELETED
249+93 ~~273+89.91~~	243+58 ~~275+83.88~~	RT	~~108~~ 124	DELETED
		TOTAL:	~~3,901~~ 3,798	

NOTE:
STATION GIVEN AT TERMINAL ENDS.
QUANTITY DOES NOT INCLUDE LENGTH OF TERMINALS ASSUMED AT 37.5 FEET.
QUANTITY DOES NOT INCLUDE LENGTH OF GUARDRAIL/BRIDGE RAIL CONNECTION ASSUMED AT 18.15 FEET.

606(6) REMOVING AND DISPOSING OF GUARDRAIL - LINEAR FOOT

BEGIN STATION	END STATION	OFFSET	QUANTITY	REMARKS
185+38	186+68	RT	~~142~~ 140	
186+60	194+14	RT	~~598~~ 588	
196+19	214+49	RT	~~1855~~ 1853	
215+13	228+82	RT	~~1384~~ 1370	
233+66	238+66	RT	~~316~~ 326	
241+28	250+96	RT	~~972~~ 968	
268+72	270+94	RT	~~218~~ 218	
273+90	276+15	RT	~~221~~ 228	
275+33	276+02	LT	~~69~~ 70	
		TOTAL:	~~5,827~~ 5,761	

606(12) GUARDRAIL/BRIDGE RAIL CONNECTION - EACH

BEGIN STATION	OFFSET	REMARKS
189+20.00	RT	
191+10.50	RT	
209+60.00	RT	
210+60.25	RT	
241+60.00	RT	
245+32.56	LT	
247+20.00	RT	
250+44.35	LT	
TOTAL:	8	

NOTE:
STATION GIVEN AT POINT OF CONNECTION TO BARRIER.
MEASUREMENT / PAY LENGTH OF CONNECTION IS 18.15 FEET.

606(13) PARALLEL GUARDRAIL TERMINAL - EACH

STATION	OFFSET	REMARKS
185+53.20	RT	
186+76.06	RT	
188+64.35	RT	
222+50.00	RT	
227+49.14	RT	
229+93.93	RT	
233+64.13	RT	
236+49.31	RT	
241+04.35	RT	
244+76.91	LT	
250+95.80	RT	
251+00.00	LT	
~~268+72.03~~	~~RT~~	DELETED
~~270+93.90~~	~~RT~~	"
~~273+89.91~~	~~RT~~	"
~~275+83.88~~	~~RT~~	"
TOTAL:	16	

NOTE:
STATION GIVEN AT TERMINAL ENDS. LENGTH OF TERMINALS ASSUMED AT 37.5 FEET.

607(10) REMOVABLE BOLLARD - EACH

STATION	OFFSET	REMARKS
237+53	27 RT	
237+57	27 RT	
240+88	27 RT	
240+92	27 RT	
TOTAL:	4	

608(6) CURB RAMP - EACH

STATION	OFFSET	TYPE	REMARKS
232+17.46	67.85 RT	PARALLEL	
253+11.70	33.64 RT	PARALLEL	
253+68.09	30.99 RT	PARALLEL	
257+92.92	31.63 RT	PARALLEL	
258+43.85	32.55 RT	PARALLEL	
261+79.62	80.97 RT	PARALLEL	
262+26.88	20.00 RT	PARALLEL	
262+55.69	20.00 RT	PARALLEL	
263+28.05	29.47 LT	PARALLEL	
265+00 (1)	20.00 RT	PARALLEL	RELOCATED TO MATCH LOADING DOCK
265+36 (2)	21.00 RT	PARALLEL	RELOCATED TO MATCH LOADING DOCK
276+11.70	31.82 RT	PARALLEL	
276+49.11	29.30 RT	PARALLEL	
	TOTAL:	13	

NOTE: STATION AND OFFSET REFERENCE POINT IS THE MIDDLE OF LANDING AT FLOW LINE

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\D01_D05

TAB: D3

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SUMMARY TABLES

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SUMMARY TABLES

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
D3	109

609(2)		CURB & GUTTER, TYPE 1 - LINEAR FOOT			
Begin		End			
Station	Offset	Station	Offset	Qty.	Comments
185+24	69' Rt.	204+40	15' Rt.	1,968.0	To S-3 @ 204+40 Rt.
204+40	15' Rt.	214+22	15' Rt.	983.5	To Begin TOR
214+22	15' Rt.	230+88	19.5' Rt.	1,686.0	To Begin Parking Rt.
230+88	19.5' Rt.	231+58	19.5' Rt.	357.5	To End Parking Rt.
231+58	19.5' Rt.	252+83	16' Rt.	2,129.0	To S-13 @ 252+83 Rt.
252+83	16' Rt.	252+75	75' Rt.	120.0	To Rt. Raduis end
254+83	62' Rt.	257+62	72' Rt.	630.0	To SMC W. Ent. Raduis end
258+66	103' Rt.	262+27	16.5' Rt.	480.0	To SCIP Office Parking Rt.
262+27	16.5' Rt.	262+46	95' Rt.	473.5	To SCIP Office Parking NE Cor.
262+56	20' Rt.	275+82	16' Rt.	1,298.0	To S-37 @ 275+82 Rt.
262+56	20' Rt.		17' Rt.	230.0	To end of 6' paved sidewalk
265+40	16' Rt.	268+19	32' Rt.	284.5	To inside (east) end of curb
275+82	16' Rt.	276+20		59.0	To Rt. Raduis end
276+40	?? Rt.	277+50	15' Rt.	129.0	To end of Crub Rt. (before bridge)
232+00	15' Rt.	232+03	15' Rt.	3.0	Saw Cut for drainage & replaced
233+00	62' Rt.	233+12	58' Rt.	17.0	Removed @ SE Cor. Of parking area
245+33	21' Lt.	250+44	21' Lt.	504.0	Lt. C&G for Rock Fall Barrier
248+71	20.5' Lt.	248+79	20.5' Lt.	8.0	Removed @ S-12/Sta. 248+75 Lt.
257+67	24' Lt.	263+30	32' Lt.	572.0	To Blue Lake Rd.
258+00	31' Lt.	258+64	31' Lt.	64.0	To end Lt. Parking area #1
261+20	31' Lt.	261+85	31' Lt.	64.0	To end Lt. Parking area #2
			Total =	12,060.0	

611(1A) RIPRAP CLASS I - CUBIC YARD	
STA. 257+63 TO STA. 266+00	~~300~~ 577
TOTAL:	~~300~~ 577

611(1B) RIPRAP CLASS II - CUBIC YARD		
FOR CULVERT OUTLET SPILLWAY PROTECTION		
NUMBER OF LOCATIONS	VOLUME PER LOCATION	QUANTITY
20	50	1,000
	TOTAL:	1,000

611(1C-1) - RIPRAP CLASS III - Lump Sum - CO #4

~~611(1C)~~ RIPRAP CLASS III, FOR SLOPE REHABILITATION - ~~CUBIC YARD~~ Lump Sum

STATION	OFFSET	QUANTITY	REMARKS
200+67.50	-	0	
201+00.00	61.88' RT	23	
201+50.00	59.82' RT	275	
202+00.00	58.04' RT	278	
202+50.00	56.57' RT	292	
203+00.00	55.16' RT	350	
203+50.00	54.1' RT	360	
204+00.00	53.64' RT	311	— Lump Sum —
204+50.00	53.32' RT	298	
205+00.00	56.62' RT	265	
205+50.00	56.32' RT	265	
206+00.00	52.16' RT	257	
206+50.00	51.31' RT	243	REGION 1
207+00.00	50.47' RT	272	
207+50.00	58.66' RT	292	
208+00.00	59.58' RT	221	
208+50.00	50.31' RT	249	
209+00.00	39.01' RT	281	
209+50.00	34.55' RT	252	
210+00.00	35.17' RT	325	
210+50.00	39.03' RT	293	
211+00.00	41.4' RT	253	
211+50.00	40.7' RT	220	
211+62.60	-	34	
215+87.50	-	0	
216+00.00	46.98' RT	20	
216+50.00	48.59' RT	317	
217+00.00	51.34' RT	397	
217+50.00	48.57' RT	230	REGION 2
218+00.00	46.44' RT	167	
218+50.00	47.28' RT	190	
219+00.00	47.82' RT	183	
219+50.00	-	120	
	TOTAL:	7,500	

611(5) ARMOR ROCK - CUBIC YARD			
BEGIN STATION	END STATION	QUANTITY	REMARKS
205+15	208+40	124	
211+75	214+35	102	
219+00	222+00	31	
227+75	229+50	43	
	TOTAL:	300	

614(2) CONCRETE BARRIER FOR TOP OF WALLS - LINEAR FOOT					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
189+20.00	RT	191+10.50	RT	~~191~~ 197.0	
208+60.00	RT	210+60.25	RT	~~200~~ 194.8	
241+60.00	RT	247+20.25	RT	~~560~~ 555.2	
			TOTAL:	~~951~~ 947.0	

614(3) ROCK FALL BARRIER - LINEAR FOOT				
BEGIN STATION	END STATION	OFFSET	QUANTITY	REMARKS
245+32	250+45	LT	501.5	

621(1) TREE - EACH				
EXISTING LOCATION		PROPOSED LOCATION		
STATION	OFFSET	STATION	OFFSET	REMARKS
-	-	260+06	39 RT	~~TRANSPLANT~~ NEW
260+58	62 RT	260+00	40 RT	NEW
260+31	66 RT	261+86	98 RT	~~TRANSPLANT~~ NEW
-	-	260+80	77 RT	NEW
261+61	73 RT	262+11	104 RT	~~TRANSPLANT~~ NEW
261+65	81 RT	262+34	109 RT	~~TRANSPLANT~~ NEW
TOTAL:	6			

TRANSPLANT EXISTING TREES WHEN POSSIBLE. INSTALL NEW TREE OF SAMESPECIES IF UNABLE TO TRANSPLANT EXISTING TREE.

625(1A)		PIPE HAND RAIL -- LINEAR FOOT			
BEGIN		END			
STATION	OFFSET	STATION	OFFSET	QUANTITY	COMMENTS
68+00	Rt.	70+25	Rt.	225.0	
81+00	Rt.	82+44	Rt.	144.0	
83+75	Rt.	84+57	Rt.	82.0	
84+75	Rt.	85+98	Rt.	123.0	
90+70	Rt.	91+50	Rt.	80.0	
95+25	Rt.	97+50	Rt.	225.0	
97+80	Rt.	100+70	Rt.	290.0	
232+80	Rt.	233+35	Rt.	61.6	Paved Parking Area
238+35	Rt.	238+65	Rt.	61.0	Picnic Area Path
239+40	Rt.	239+65	Rt.	40.1	Picnic Area Path
240+40	Rt.	240+70	Rt.	61.4	Picnic Area Path
			Total	1,393.1	

625(1B) PIPE RAIL ON RETAINING WALL BARRIER - LINEAR FOOT					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
189+20.00	RT	191+10.50	RT	192.7 ~~191~~	
208+60.00	RT	210+60.25	RT	194.2 ~~200~~	
241+60.00	RT	247+20.25	RT	554.6 ~~559~~	
			TOTAL:	941.5 ~~951~~	

NOTE: SEE DETAIL ON SHEET H6

627(6) FIRE HYDRANT RELOCATION - EACH				
FROM		TO		REMARKS
STATION	OFFSET	STATION	OFFSET	
213+78	14 LT	213+78	20 LT	NEEDS ACCESS PAD
261+69	62 RT	261+59	83 RT	
		TOTAL:	2	

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\UNUFILE2\JOBS\1153805\DWGS\C\SHEETS\D01_D0

TAB: D4

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SUMMARY TABLES

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8388 01/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SUMMARY TABLES

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
D4	109

627(10) ADJUSTMENT OF VALVE BOX - EACH

STATION	OFFSET	REMARKS
193+51	2 RT	
216+14	2 LT	
229+07	18 LT	
240+12	19 LT	IN FRONT OF AIRVAC ASSEMBLY
255+72	13 LT	
257+99	76 RT	
258+13	48 RT	
258+16	49 RT	
261+65	64 RT	
TOTAL:	~~9~~ 22	

627(11) RELOCATE DRAIN PORT ASSEMBLY - EACH

STATION	OFFSET	REMARKS
213+71	13 LT	

624(10) ADJUSTMENT OF VALVE BOX

STATION	OFFSET	REMARKS	#
213+78.0	11.0 Lt.	Concrete Collar	1
217+06.5	11.0 Lt.	Concrete Collar	2
233+73.0	16.7 Rt.	CBS Blow Off - in path	3
233+76.0	17.5 Rt.	CBS Blow Off - in path	4
240+11.5	18.8 Lt.		5
240+20.5	14.5 Lt.	Edge of pavement	6
254+37.5	65.0 Rt.	CL Valley Gutter	7
254+38.3	17.8 Lt.	In D-1 on shoulder	8
254+42.5	96.8 Rt.	In Approach	9
254+46.5	92.8 Rt.	In Approach	10
255+37.2	16.9 Lt.	In D-1 on shoulder	11
257+99.0	75.7 Rt.	In Approach	12
258+12.5	48.5 Rt.	In Approach	13
258+16.0	49.0 Rt.	In Approach	14
261+65.5	62.0 Rt.	In SCIP parking lot	15
270+83.3	14.8 Lt.	Edge of pavement	16
271+33.1	21.3 Lt.	In D-1 on shoulder	17
273+15.0	19.2 Lt.	5-Valve Cluster	18
273+16.3	24.3 Lt.	5-Valve Cluster	19
273+17.0	20.5 Lt.	5-Valve Cluster	20
273+20.6	20.0 Lt.	5-Valve Cluster	21
273+20.6	24.1 Lt.	5-Valve Cluster	22
	TOTAL	22	

632(1) PAVING FABRIC - SQUARE YARD

BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	QUANTITY	REMARKS
189+20.00	RT	191+10.50	RT	169	
208+60.00	RT	210+60.25	RT	178	
241+60.00	RT	247+20.25	RT	498	
			TOTAL:	845	

NOTE: FOR ASPHALT SIDEWALK ALLONG RETAINING WALLS, SEE SHEET H6

Item Not Used

~~634(1) GEOGRID, TYPE BIAXIAL - SQUARE YARD~~

BEGIN STATION	END STATION	OFFSET	QUANTITY	REMARKS
192+42.00	193+37.00	9.5' RT	810	
197+39.00	198+50.00	9.0' RT	920	
202+55.00	202+91.00	9.0' LT	480	
211+45.00	212+63.00	6.5' RT	1040	
213+93.00	214+18.00	13.5' RT	170	
225+16.00	226+01.00	13.5' RT	550	
247+64.00	249+49.00	4.0' LT	2340	
250+91.00	251+58.00	16.5' LT	1100	
		TOTAL:	7,410	

639(10) DRIVEWAY / APPROACH - EACH

STATION	OFFSET	WIDTH	RADIUS LT	RADIUS RT	RADIUS POINT LT	RADIUS POINT RT	PAVING LIMIT	GRADING LIMIT	LANDING GRADE	LANDING LENGTH	REMARKS
189+94.00	LT	18	20	20	189+68.44, 35.00 LT	190+26.44, 35.00 LT	189+97.44, 35.00 LT	190+08.55, 49.60 LT	-2%	12	
231+22.88	RT										SEE PLAN SHEET F10
253+40.10	RT										SEE INTERSECTION GRADING SHEET G1
258+14.77	RT										SEE INTERSECTION GRADING SHEET G2
258+32.00	LT	24	CURB CUT								SEE TYPICAL SECTION SHEET B3, AND PLAN SHEET F16
261+47.00	LT	24	CURB CUT								SEE TYPICAL SECTION SHEET B3, AND PLAN SHEET F16
262+41.28	RT										SEE PLAN SHEET F16
263+35.00	LT										SEE INTERSECTION GRADING SHEET G3
265+20	RT	34					265+20), 82.51 RT	~~265+26~~ 82.51 RT	-2%	12	CENTER ON WAREHOUSE CARGO BAY -- RELOCATED TO MATCH CARGO BAY
~~270+06~~	LT	26	20	10	~~68+22.20, 35.00 LT~~	~~268+70.43, 35.00 LT~~	~~268+56.68, 35.00 LT~~	~~268+63.54, 51.74 LT~~	+0.5%	12	RELOCATED - FORTRESS OF THE BEAR EXIT
271+07.98	LT	34	20	20	270+72.74, 35.00 LT	271+43.22, 35.00 RT	271+07.98, 35.00 LT	271+07.98, 58.49 LT	-2%	12	FORTRESS OF THE BEAR ENTRANCE
273+10.50	RT	34	CURB CUT								PROVIDE CURB CUT FOR FUTURE DRIVEWAY
273+80.72	LT	34	20	10	273+46.57, 35.00 LT	274+05.97, 35.00 LT	273+80.72, 35.00 LT	273+80.72, 59.65 LT	+1.21%	13	
274+26.62	LT	24	10	20	274+05.97, 35.00 LT	274+56.16, 35.00 LT	274+26.62, 35.00 LT	274+26.62, 54.93 LT	+2%	12	
275+27.00	LT	28	20	20	274+95.59, 35.00 LT	275+58.41, 35.00 LT	275+27.00, 35.00 LT	275+27.00, 63.11 LT	-0.5%	12	
276+20.00	LT	24	20	20	275+90.44, 35.00 LT	276+49.56, 35.00 LT	276+20.00, 35.00 LT	276+20.00, 50.74 LT	-0.35%	12	
276+27.63	RT	24	30	25	275+63.88, 45.00 RT	276+71.92, 40.00 RT	276+32.54, 58.82 RT	276+32.54, 58.82 RT	-2%	30	MATCH EXISTING ACCESS ROAD
TOTAL:		17									

642(4) SET PRIMARY MONUMENT - EACH

POINT	STATION	OFFSET	REMARKS
31	192+40	RT	SEE NOTE 1 & 2
32	196+25	LT	
33	198+99	RT	
34	202+18	LT	
35	207+24	LT	
36	214+37	RT	
37	218+18	LT	
39	230+63	LT	
41	239+76	RT	
42	243+32	LT	
44	256+92	RT	
45	262+62	RT	
46	269+18	LT	
47	273+99	LT	
48	279+82	LT	
303	235+32	RT	
308	223+58	RT	
309	248+43	RT	
336	246+77	LT	
731	188+49	RT	
732	190+74	RT	
1023	248+02	RT	
1024	261+99	RT	
1025	261+99	RT	
	TOTAL	24	

NOTES:
1. INSTALL MONUMENT CASE PER DETAIL ON SHEET E10 FOR ALL MONUMENTS IN AC SURFACE.
2. THE LOCATION OF THE PROPOSED CONTROL MONUMENT IS APPROXIMATE. SET PRIMARY MONUMENTS AND CASES IN THE PAVED SHOULDER IN LINE-OF-SIGHT WITH EACH OTHER AND APPROXIMATELY THREE FEET FROM THE EDGE OF PAVEMENT. THE INTENT IS TO PROVIDE A MONUMENTED TRAVERSE LINE FOR THE PROJECT CORRIDOR.

642(4) SET PRIMARY MONUMENT

POINT	STATION	OFFSET	REMARKS	#
AP 1	186+51	Rt.	In Paved Path by Whale Park	1
AP 2	191+89	Rt.	In Paved Path	2
AP 3	196+07	Rt.	In Paved Path	3
AP 4	200+37	Rt.	In Paved Path	4
AP 5	203+14	Rt.	In Paved Path	5
AP 6	207+09	Rt.	In Paved Path	6
AP 7	210+93	Rt.	In Paved Path	7
AP 8	214+65	Rt.	In Paved Path by Pull Out Rt.	8
AP 9	218+58	Rt.	In Paved Path	9
AP 10	222+90	Rt.	In Paved Path	10
AP 11	228+20	Rt.	In Paved Path	11
AP 12	232+70	Rt.	In Paved Path @ Parking Area	12
AP 13	238+49	Rt.	In Paved Path	13
AP 14	243+20	Rt.	At MSE Wall #3	14
AP 15	247+86	Rt.	In Paved Path	15
AP 16	252+97	Rt.	In Paved Path by Approach	16
AP 17	257+75	Lt.	By Lt. Parking Lot	17
1024	261+99	Rt.	In SCIP Office Parking Lot	18
1025	261+99	Rt.	In SCIP Office Parking Lot	19
AP 18	263+16	Lt.	In Paved Path by Blue Lake Rd.	20
AP 19	269+31	Rt.	In Paved Path	21
AP 20	273+94	Lt.	By Fire Hydrant Lt.	22
	Total	22		

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\D01_D05

TAB: D5

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SUMMARY TABLES

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

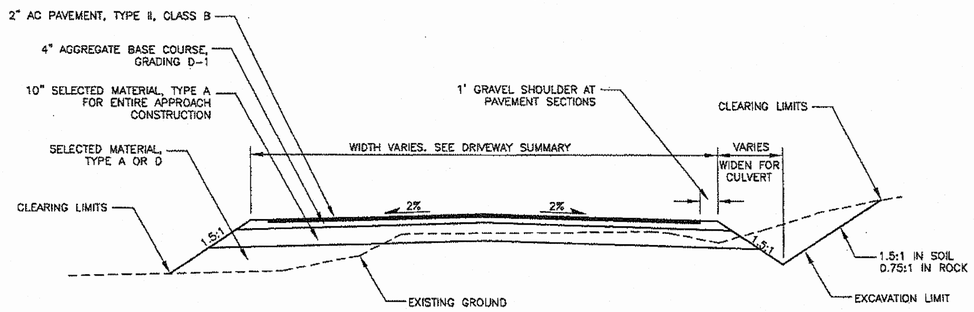
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SUMMARY TABLES

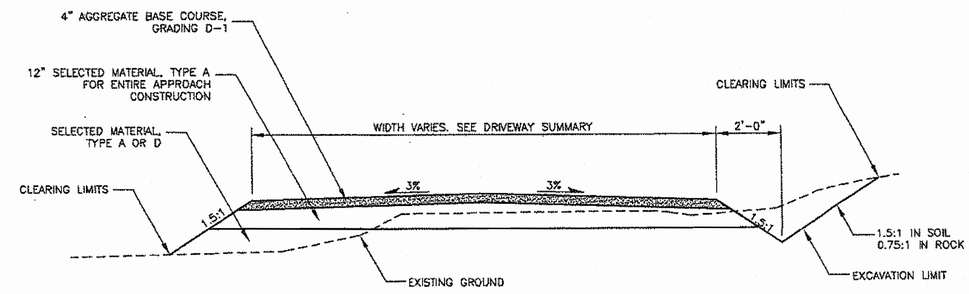
PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

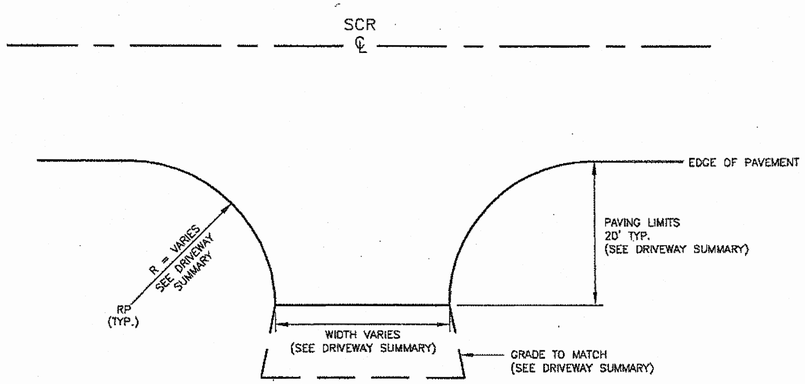
SHEET NUMBER	TOTAL SHEETS
D5	109



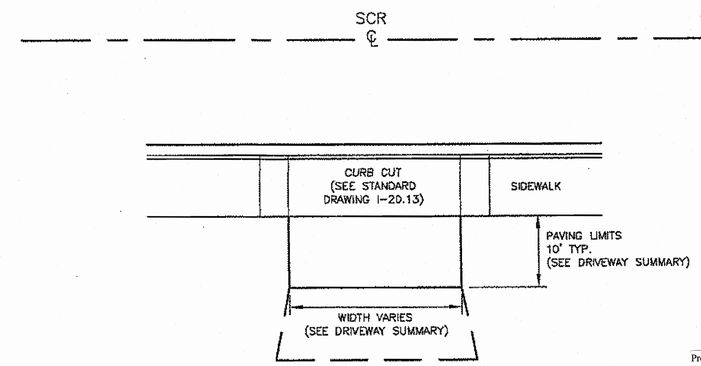
TYPICAL DRIVEWAY SECTION (PAVED)



TYPICAL DRIVEWAY SECTION (UNPAVED)



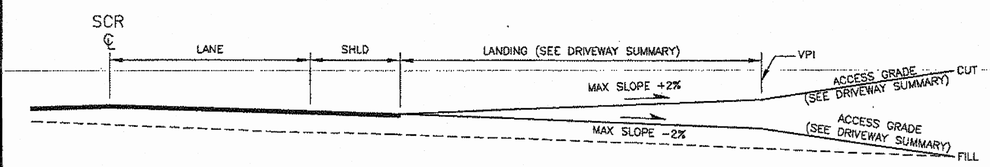
TYPICAL RADIUS DRIVEWAY PLAN



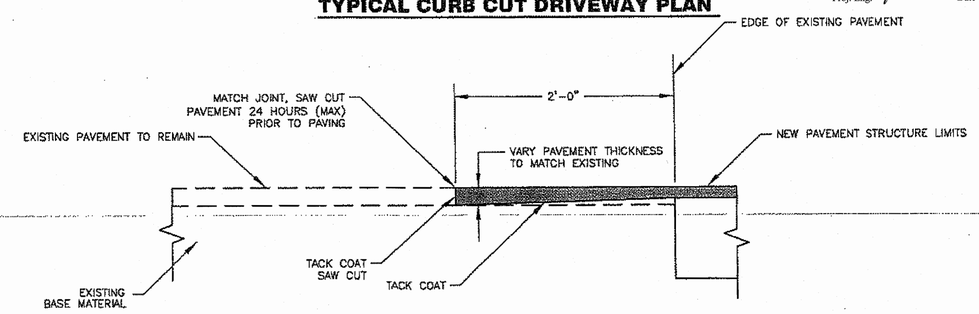
TYPICAL CURB CUT DRIVEWAY PLAN

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date



TYPICAL DRIVEWAY PROFILE



PAVEMENT MATCH JOINT DETAIL

STA 185+22 (BOP)

STA 257+00 TO STA 269+00 SAWMILL CREEK INDUSTRIAL AREA

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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Friday, August 17, 2012 7:13:35 PM

TAB: E1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Lee CE-8388 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

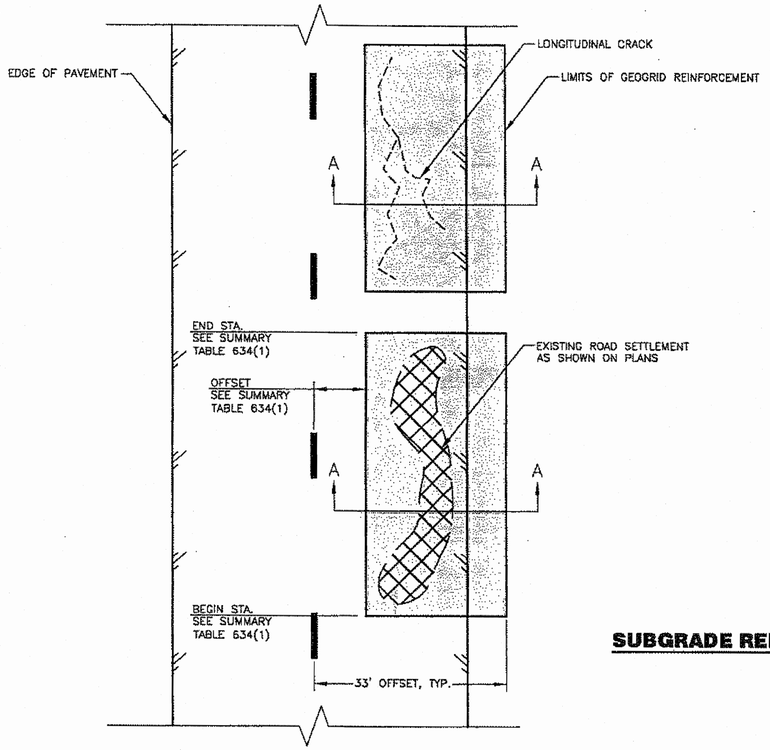
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

DETAILS

PROJECT DESIGNATION: 68216\MSG-STP-0933(21)

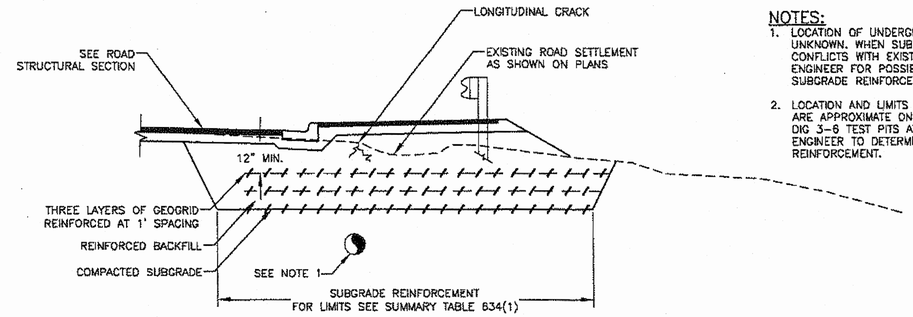
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
E1	109



PLAN VIEW

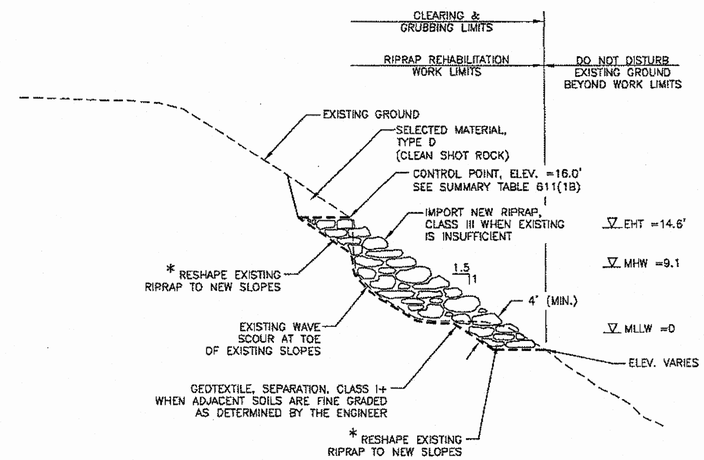
SUBGRADE REINFORCEMENT DETAIL



SECTION VIEW A-A

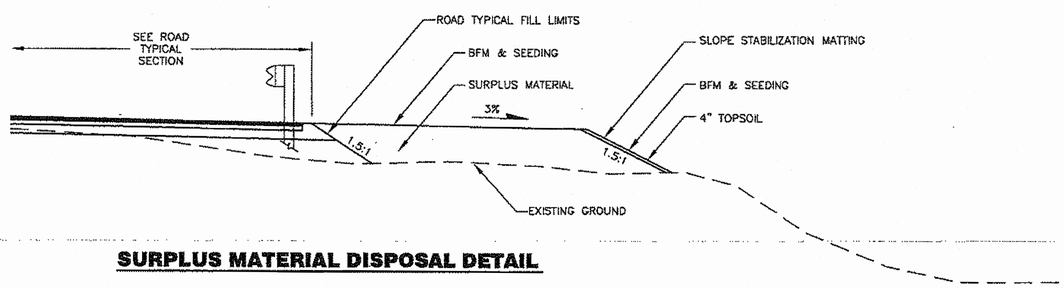
NOTES:

1. LOCATION OF UNDERGROUND UTILITIES ARE UNKNOWN. WHEN SUBGRADE REINFORCEMENT CONFLICTS WITH EXISTING UTILITIES, CONTACT THE ENGINEER FOR POSSIBLE MODIFICATION TO THE SUBGRADE REINFORCEMENT DESIGN.
2. LOCATION AND LIMITS OF SUBGRADE REINFORCEMENT ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL DIG 3-6 TEST PITS AT EACH LOCATION FOR THE ENGINEER TO DETERMINE THE LIMITS OF SUBGRADE REINFORCEMENT.



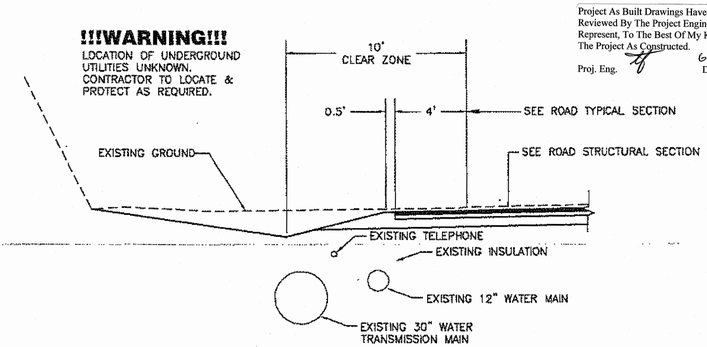
* RESHAPING EXISTING SLOPES TO INCLUDE MOVING AND PLACING EXISTING RIPRAP TO THE GRADE SHOWN AND REMOVING EXISTING MATERIAL THAT DOES NOT MEET RIPRAP CLASS II SIZE OR PLACING IT BEHIND THE 4-FOOT LAYER OF CLASS III RIPRAP.

RIPRAP SLOPE REHABILITATION



SURPLUS MATERIAL DISPOSAL DETAIL

ON SITE SURPLUS MATERIAL DISPOSAL		
BEGIN STATION	END STATION	APPROX. VOLUME (CY)
194+00	196+50	1,200
206+50	208+50	300
211+50	214+25	200
220+00	230+50	2,000
238+25	241+50	1,300
	TOTAL:	5,000



EXISTING UTILITIES IN DITCHLINE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\CSHEETS\E02.DWG

Friday, August 17, 2012 7:13:38 PM

TAB: E02

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
SAWMILL CREEK ROAD UPGRADE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA
49TH
Nathan C. Leigh
CE-8386
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

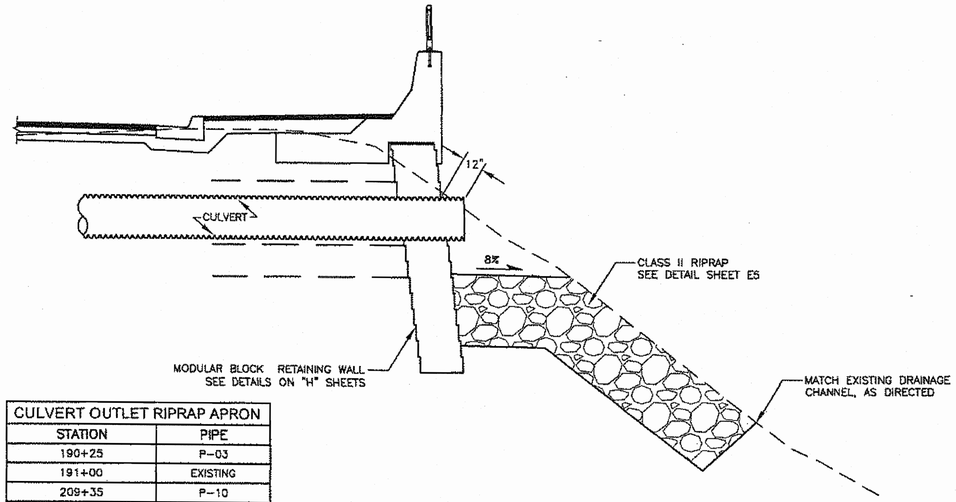
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

DETAILS

PROJECT DESIGNATION

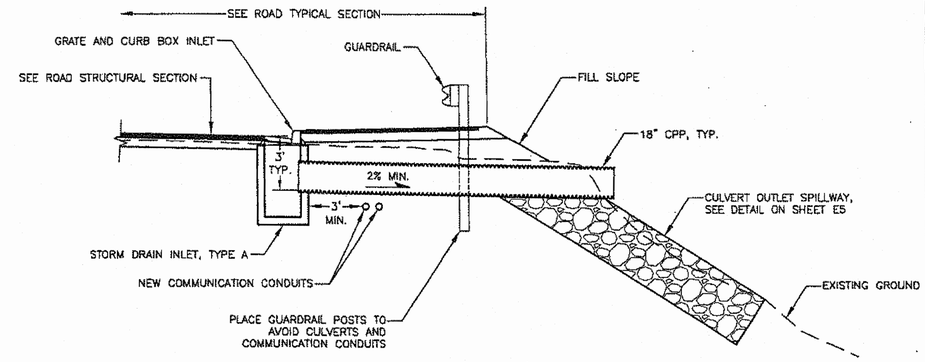
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
E2	109

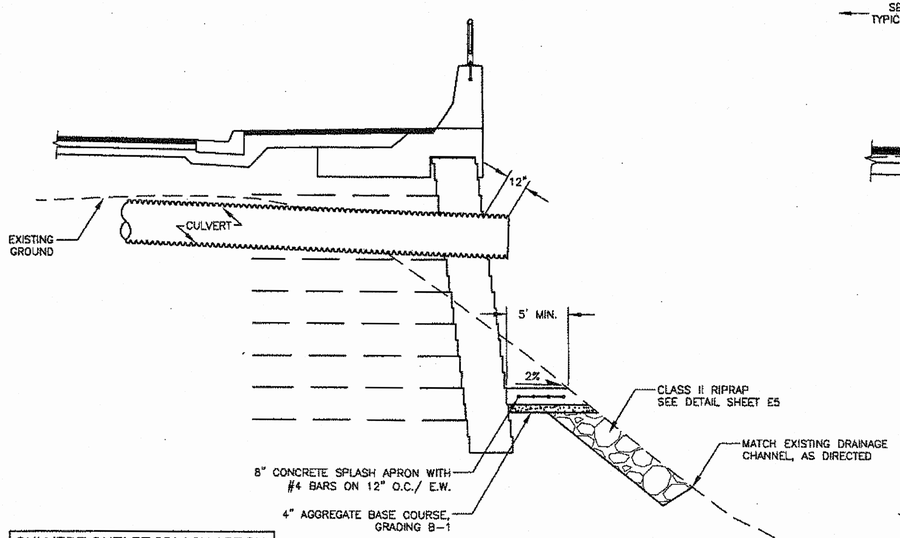


CULVERT OUTLET RIPRAP APRON	
STATION	PIPE
190+25	P-03
191+00	EXISTING
209+35	P-10
247+00	P-31

CULVERT OUTLET RIPRAP APRON DETAIL

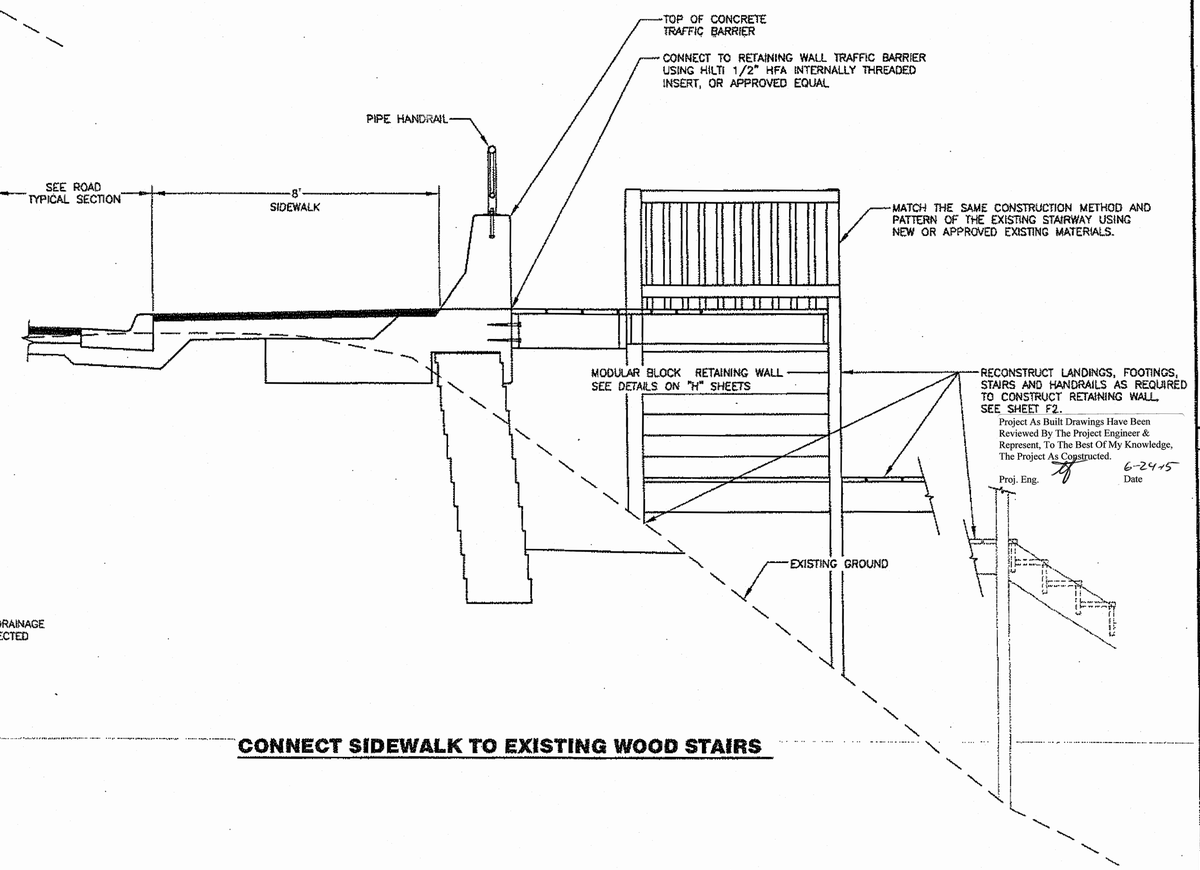


CURB LINE DRAINAGE DETAIL



CULVERT OUTLET SPLASH APRON	
STATION	PIPE
243+67	P-29
244+00	P-30

CULVERT OUTLET SPLASH APRON DETAIL



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

CONNECT SIDEWALK TO EXISTING WOOD STAIRS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\115360S\DWGS\C\SHEETS\E03.DWG

Thursday, August 23, 2012 1:16:59 PM

TAB: E03

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8366 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

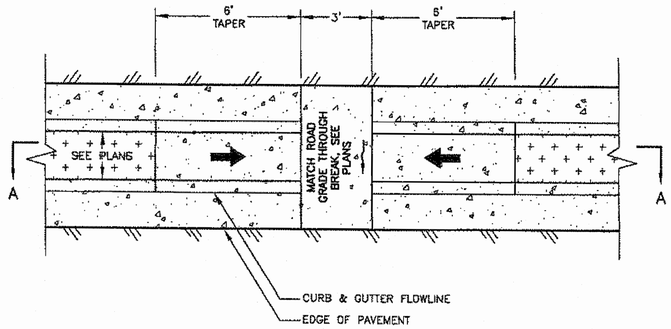
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

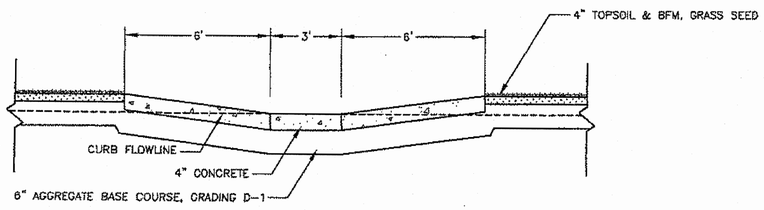
DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
E3	109

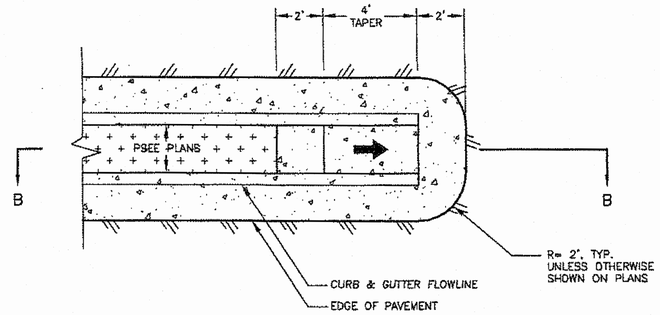


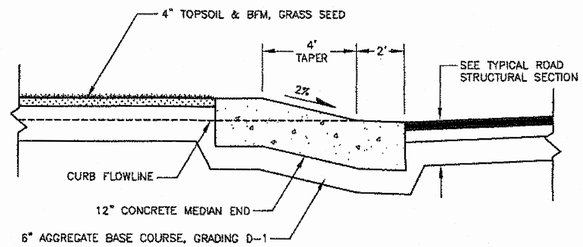


SECTION VIEW A-A

MEDIAN DRAINAGE BREAK DETAIL

STA. 232+00 RT

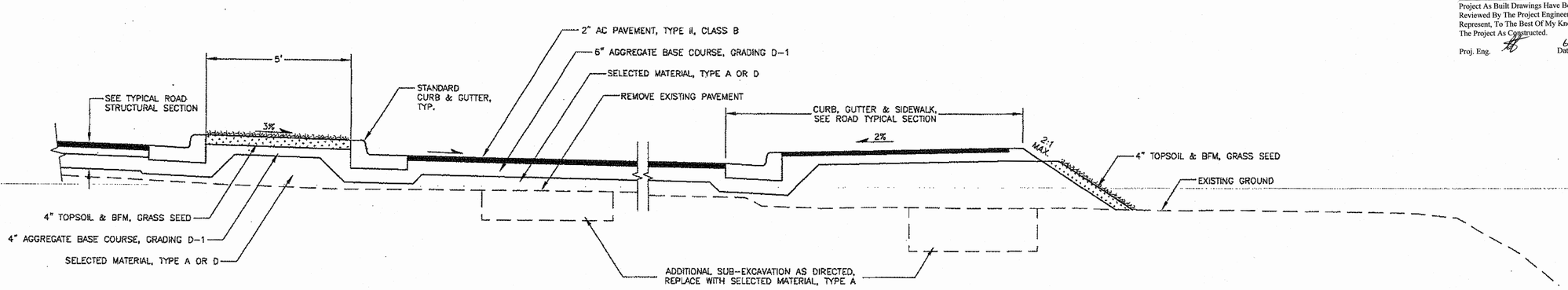




SECTION VIEW B-B

MEDIAN END TAPER DETAIL

STA. 231+58 RT



NEW PULLOUT AND PARKING AREA

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. Date 6-24-15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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Friday, August 17, 2012 7:13:48 PM

TAB: E04

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

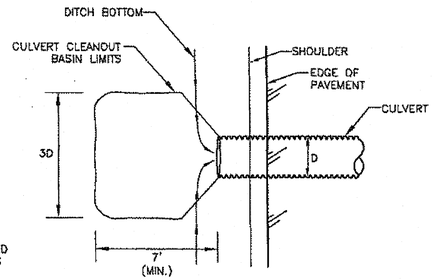
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

DETAILS

PROJECT DESIGNATION

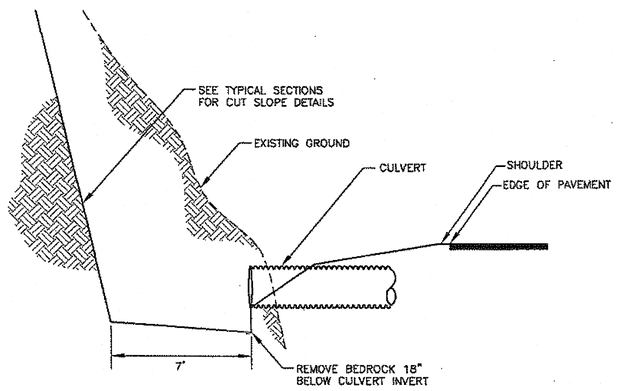
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
E4	109

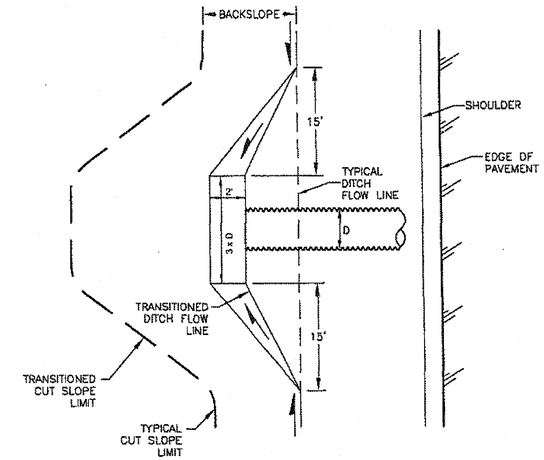


NOTE:
CULVERT CLEANOUT BASINS SHALL BE CONSTRUCTED WHERE BEDROCK ENCROACHES ON CULVERT INLETS

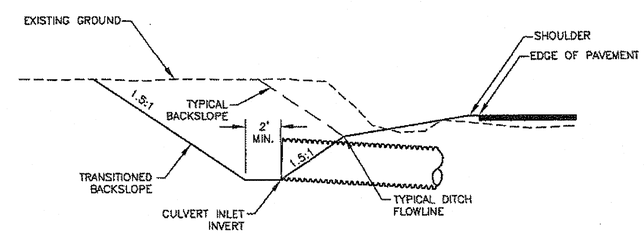
CULVERT INLET IN ROCK - PLAN VIEW



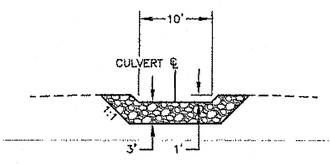
CULVERT INLET IN ROCK - PROFILE VIEW



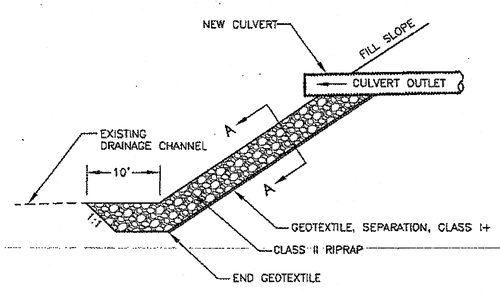
CULVERT INLET IN SOIL - PLAN VIEW



CULVERT INLET IN SOIL - PROFILE VIEW



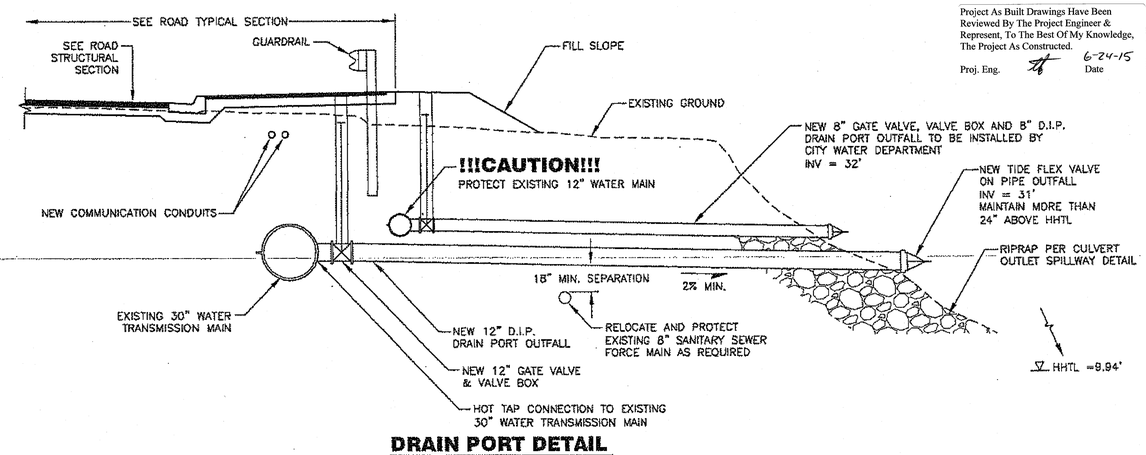
SECTION A-A



SECTION

NOTES:
1. CONSTRUCT CULVERT OUTLET SPILLWAYS ON CULVERT OUTLETS AS DIRECTED. CULVERT OUTLET SPILLWAY DIMENSIONS MAY BE ADJUSTED TO ACCOMMODATE FIELD CONDITIONS AS DIRECTED.
2. CULVERT OUTLET SPILLWAYS WILL BE MEASURED AND PAID FOR UNDER ITEM 611(1B) RIPRAP CLASS II. NO OTHER MEASUREMENT OR PAYMENT WILL BE MADE.

CULVERT OUTLET SPILLWAY DETAILS



DRAIN PORT DETAIL

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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ADDENDUM NUMBER

ATTACHMENT NUMBER

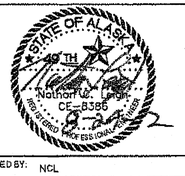
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH
CHECKED BY: NCL

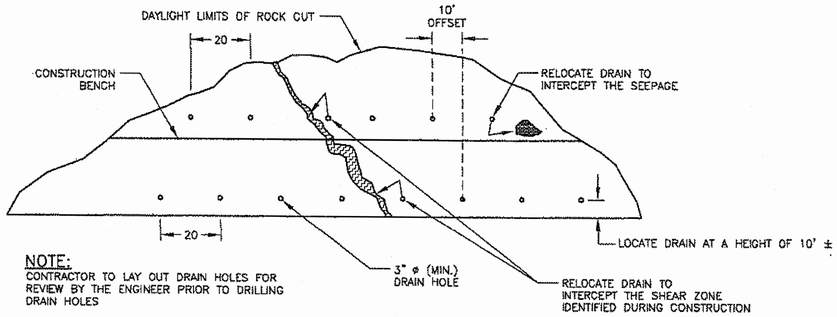


DESIGNED BY: NCL
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

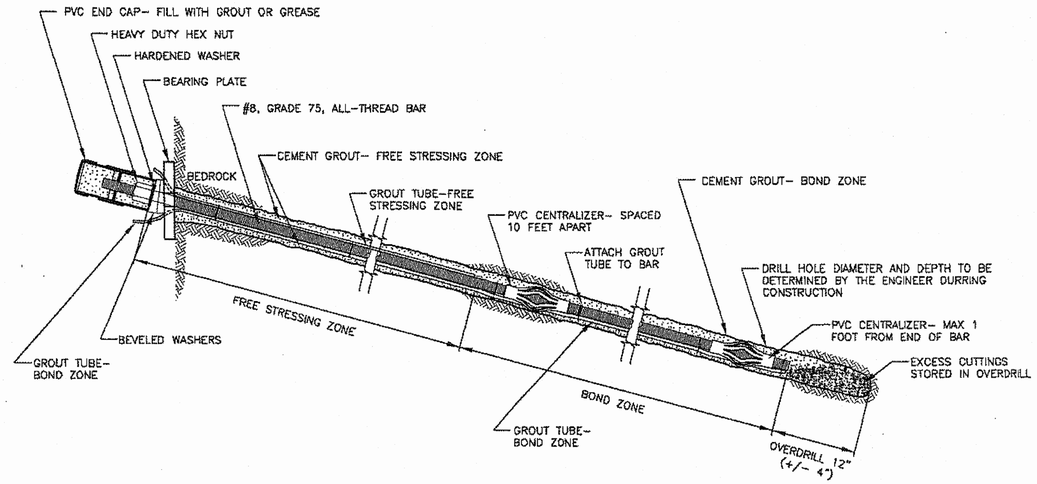
DETAILS

PROJECT DESIGNATION	
68216\MSG-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
E5	109



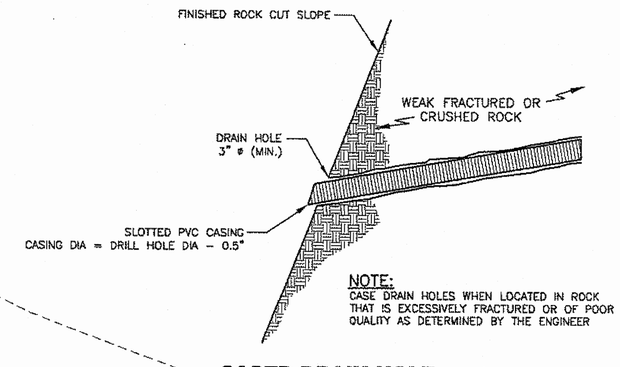
NOTE:
CONTRACTOR TO LAY OUT DRAIN HOLES FOR REVIEW BY THE ENGINEER PRIOR TO DRILLING DRAIN HOLES

DRAIN HOLE LAYOUT



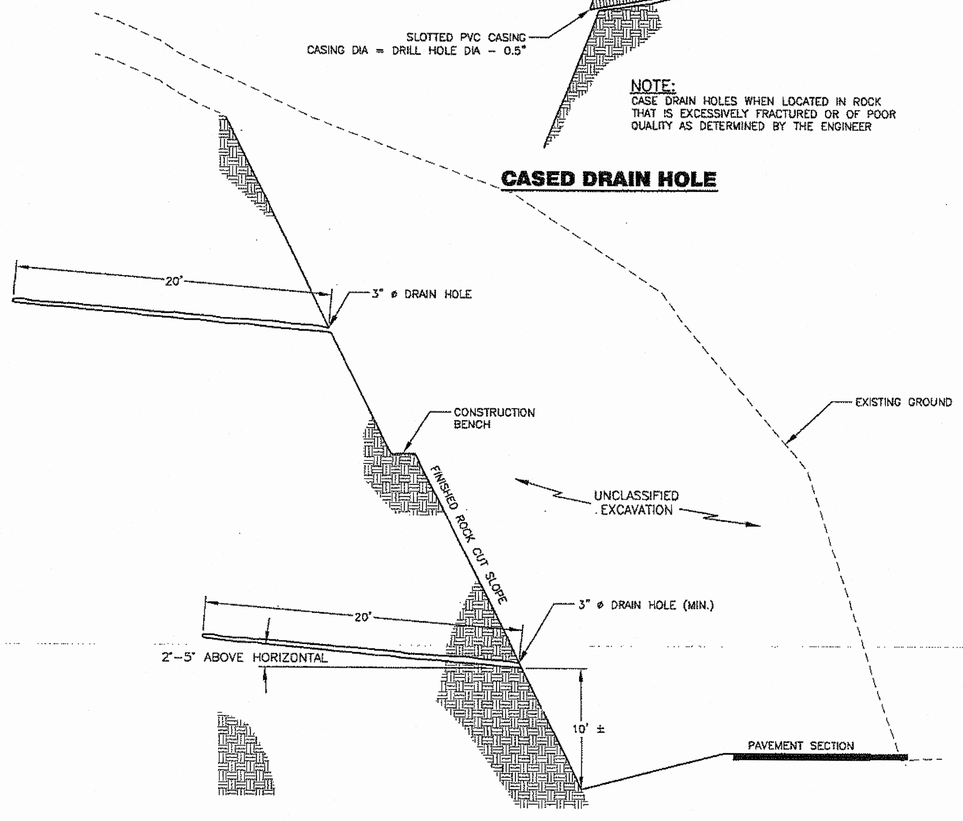
ROCK BOLT NOTE:
THE ENGINEER WILL PERFORM ROCK MAPPING AND DEVELOP A ROCK BOLTING PLAN TO SHOW LENGTH, LOCATION AND DESIGN LOAD OF THE ROCK BOLTS. THE CONTRACTOR SHALL ALLOW THE ENGINEER 10 DAYS TO PERFORM ROCK MAPPING WHILE THE ROCK FACE IS ACCESSIBLE.

TYPICAL ROCK BOLT INSTALLATION

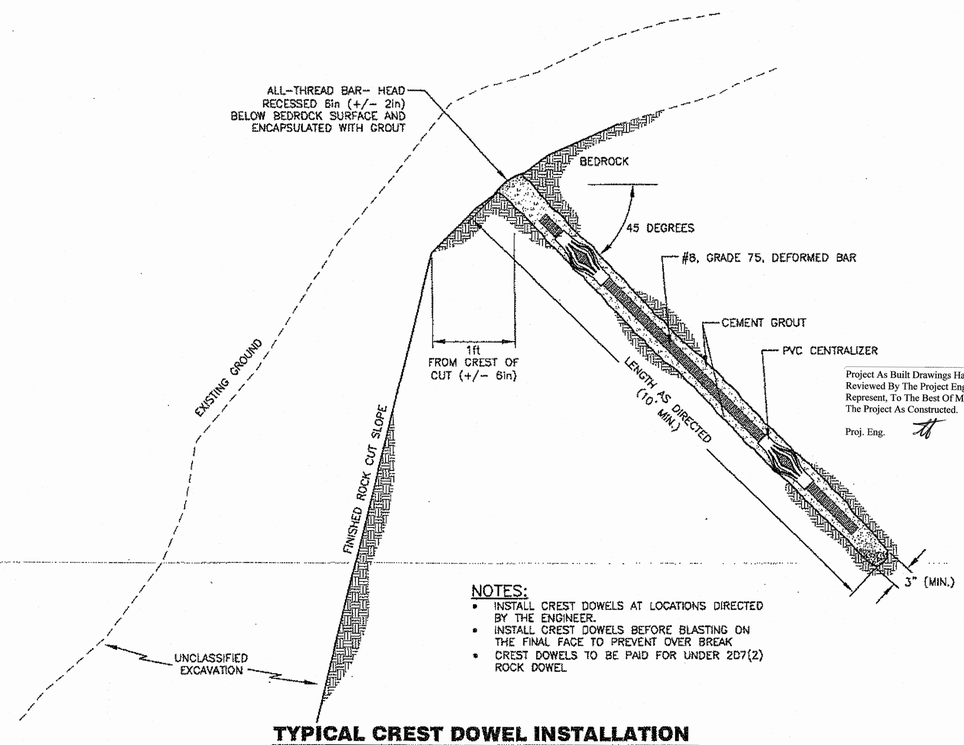


NOTE:
CASE DRAIN HOLES WHEN LOCATED IN ROCK THAT IS EXCESSIVELY FRACTURED OR OF POOR QUALITY AS DETERMINED BY THE ENGINEER

CASED DRAIN HOLE



DRAIN HOLE INSTALLATION



NOTES:
- INSTALL CREST DOWELS AT LOCATIONS DIRECTED BY THE ENGINEER.
- INSTALL CREST DOWELS BEFORE BLASTING ON THE FINAL FACE TO PREVENT OVER BREAK
- CREST DOWELS TO BE PAID FOR UNDER 207(2) ROCK DOWEL

TYPICAL CREST DOWEL INSTALLATION

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH
CHECKED BY: NCL
DESIGNED BY: NCL
DRAWN BY: WJP

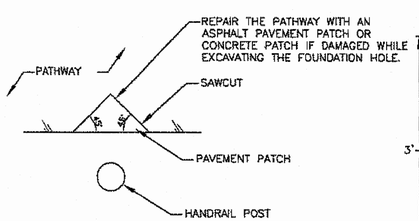
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

DETAILS

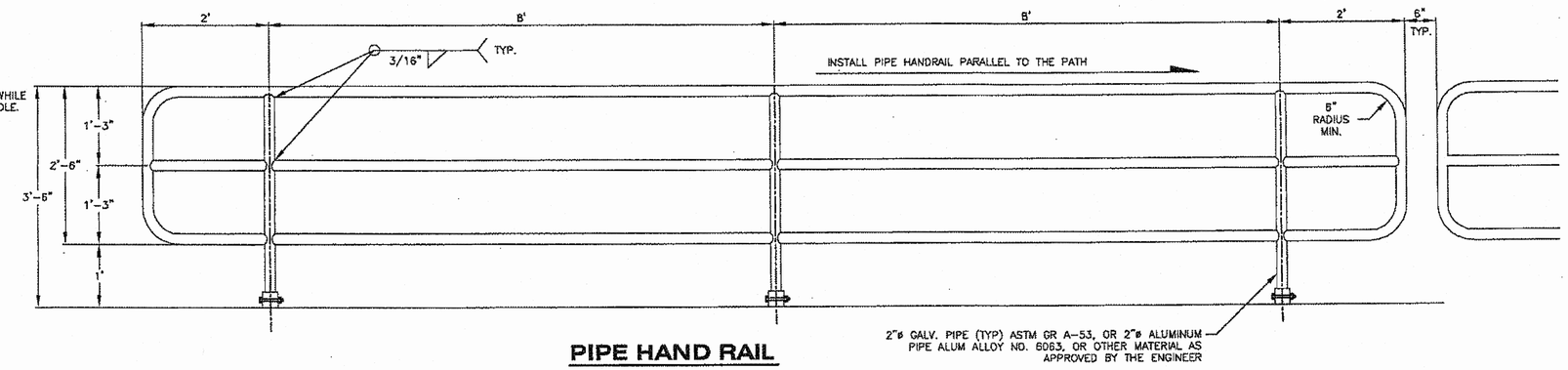
PROJECT DESIGNATION	
68216\MSG-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
E6	109

HANDRAIL NOTES:

1. HANDRAIL STATIONING IS APPROXIMATE. THE CONTRACTOR SHALL MARK POST HOLE FOUNDATION LOCATIONS BEFORE INSTALLING FOUNDATIONS. ADJUST POST HOLE LOCATIONS AS NECESSARY TO ENSURE THAT NO POST HOLE LOCATIONS CONFLICT WITH UNDERGROUND UTILITIES.
2. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF ALL PEDESTRIAN RAILING, PRIOR TO FABRICATION, FOR THE ENGINEER'S REVIEW AND APPROVAL.
3. THE SHOULDER SECTION IS NARROW WITH MUCH STEEPER SLOPE THAN SHOWN ON TYPICAL SECTION AT MANY LOCATIONS. INSTALL HANDRAIL FOUNDATIONS IN THIS SECTION DIRECTLY ADJACENT TO THE ASPHALT SIDEWALK. IF THE ENGINEER DETERMINES NECESSARY, REMOVE UP TO 4" OF THE ASPHALT SIDEWALK TO PLACE PIPE HANDRAIL FOUNDATION.
4. THE 6" DIMENSION BETWEEN PIPE RAIL SECTIONS IS TYPICAL. THE CONTRACTOR MAY ADJUST THE SPACING BETWEEN RAIL SECTIONS +/- 3" AS REQUIRED TO AVOID UNDERGROUND UTILITIES AND OTHER CONFLICTS.
5. IF THE ROCK FOUNDATION DETAIL IS USED, USE A ROCK DRILL WITH A 3.5" OR LARGER BIT TO DRILL A HOLE THROUGH THE RIPRAP. REMOVE THE ROCK DUST AND FLUSH WITH WATER. POUR GROUT IN THE HOLE, DISPLACING THE WATER. INSTALL THE PIPE SLEEVE IN THE GROUT-FILLED HOLE AND BOLT THE PIPE HANDRAIL TO THE SLEEVES ONCE ALL THREE SLEEVES ARE IN PLACE.

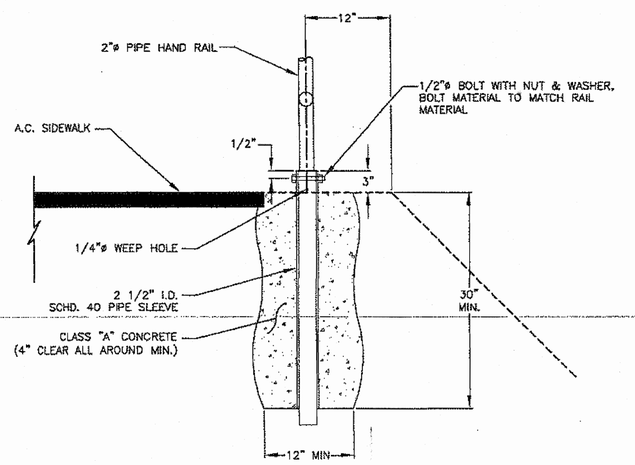


PAVEMENT PATCH

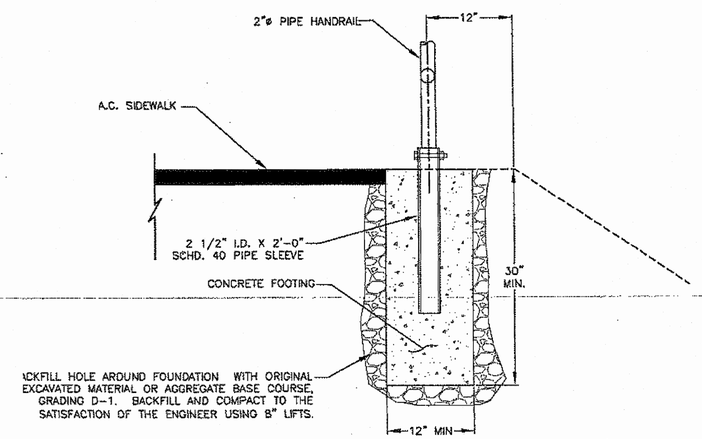


PIPE HAND RAIL

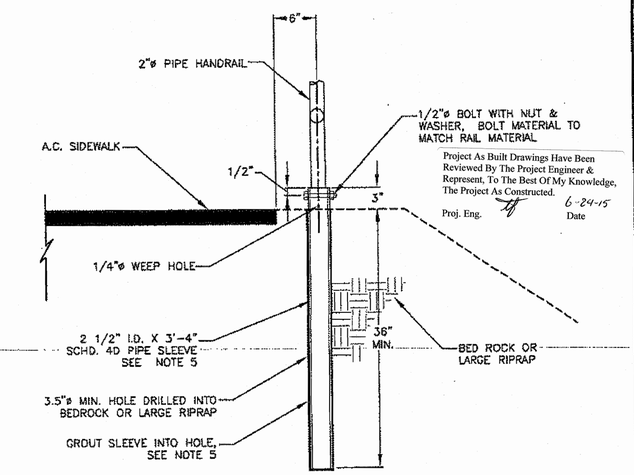
NOTE:
GALV. STEEL INSERT (TYP) ASTM GR A-53 OR ALUMINUM ALLOY PIPE NO. 6063. NOTE THIS INSERT SHALL MATCH THE 2" RAILING MATERIAL ABOVE.



CAST IN PLACE FOUNDATION



ENCASED CONCRETE FOUNDATION



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. 6-24-15 Date

ROCK FOUNDATION

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH
CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Lange CE-8386 8-17-12 REGISTERED PROFESSIONAL ENGINEER

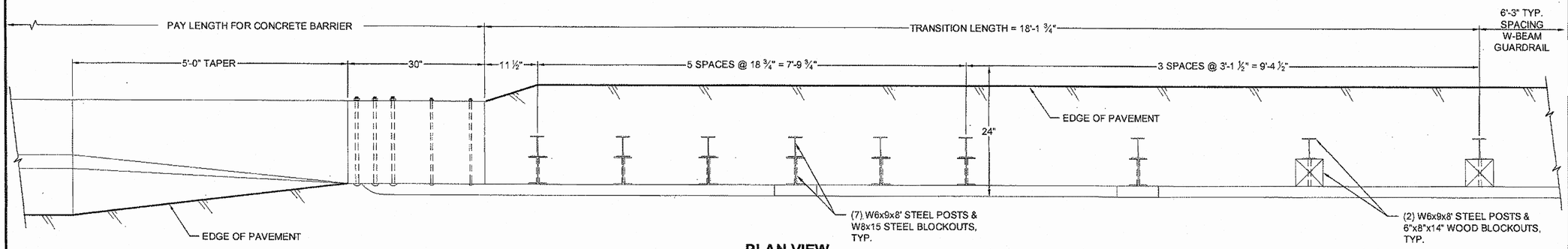
DESIGNED BY: WJP
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

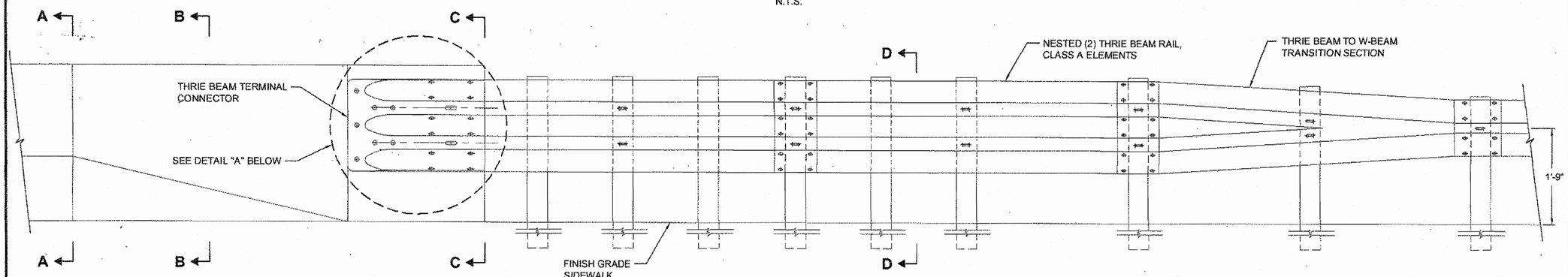
DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

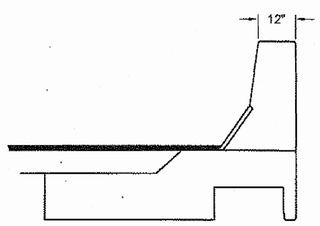
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
E7	109



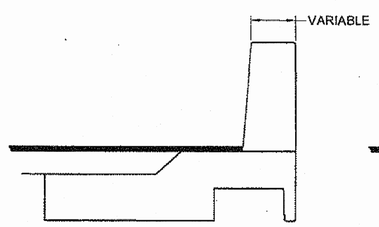
PLAN VIEW
N.T.S.



ELEVATION VIEW
N.T.S.



SECTION A-A



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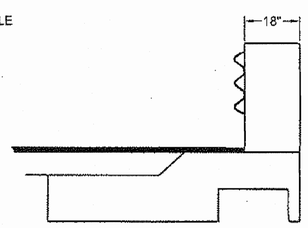

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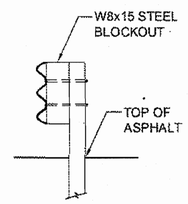

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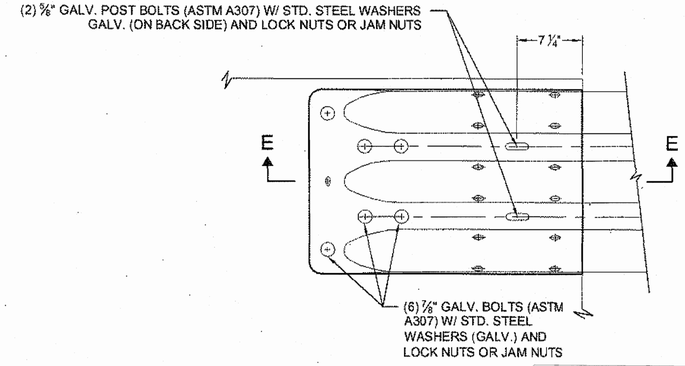

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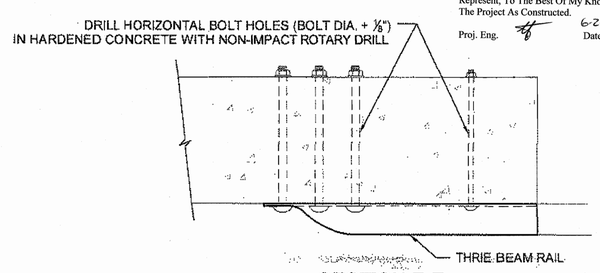


SECTION E-E

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. Date 6-24-15

GENERAL NOTES:

1. ALL REINF. STEEL SHALL CONFORM TO ASTM A706 OF AASHTO M31 (ASTMA615) GRADE 420.
2. CONCRETE CLEAR COVER FOR STEEL BARS SHALL BE A MINIMUM OF TWO INCHES UNLESS SHOWN OTHERWISE.
3. ALL GUARDRAIL AND GUARDRAIL CONNECTION HARDWARE TO CONFORM TO AASHTO M-180. ALL H.S. BOLTS CONFORM TO ASTM A325. ALL OTHER STEEL TO CONFORM TO ASTM A709 GRADE 36.
4. CONFORM TO G-00.01 & G-04.06S FOR ALL GUARDRAIL DETAILS NOT SHOWN.
5. LAP APPROACH GUARDRAIL TO PREVENT SNAGS FROM ONCOMING TRAFFIC.
6. PROVIDE 4 ½" HORIZONTAL SLOT IN APPROACH GUARDRAIL. ADJUST GUARDRAIL BOLTS FOR SLIDING FIT.

GUARDRAIL TO CONCRETE BARRIER CONNECTION DETAILS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\E08.DWG

TAB: E08

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: WJP

DRAWN BY: WJP

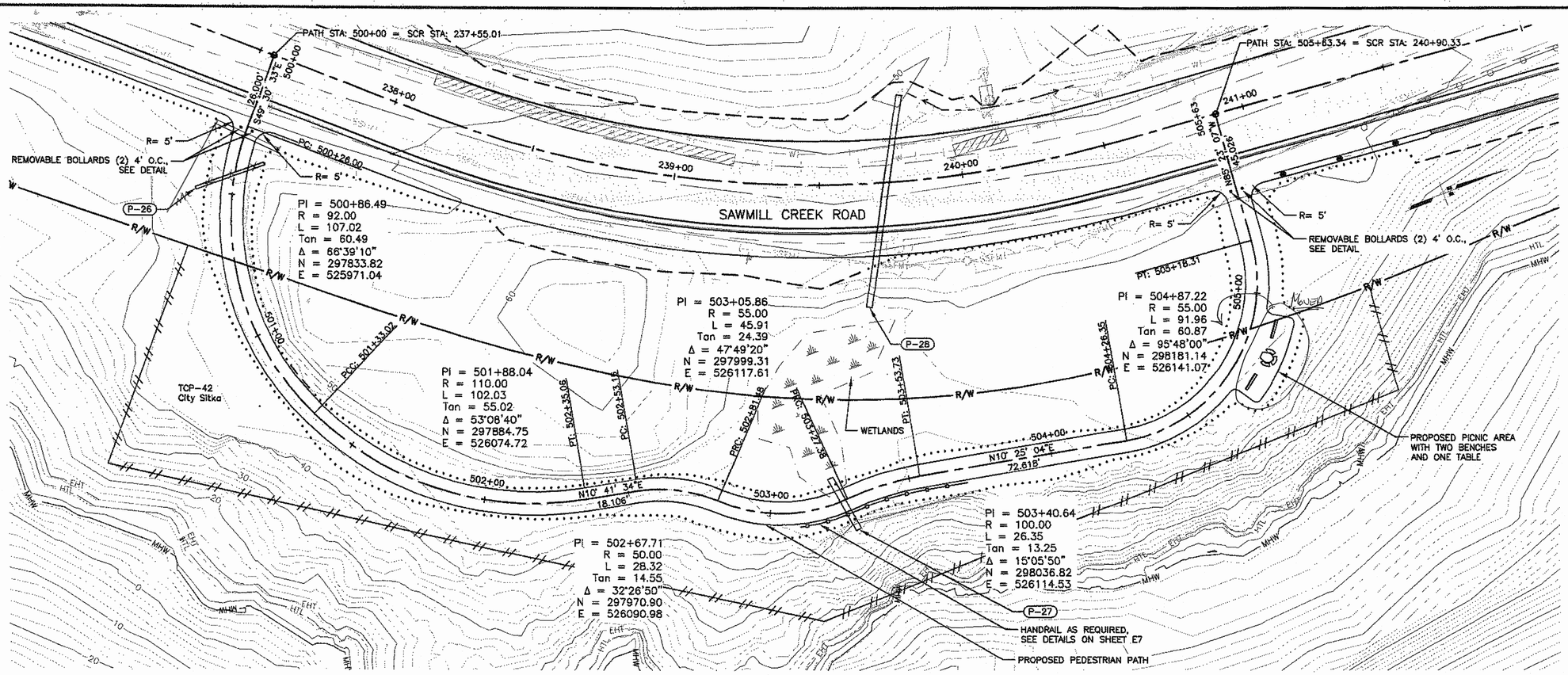
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

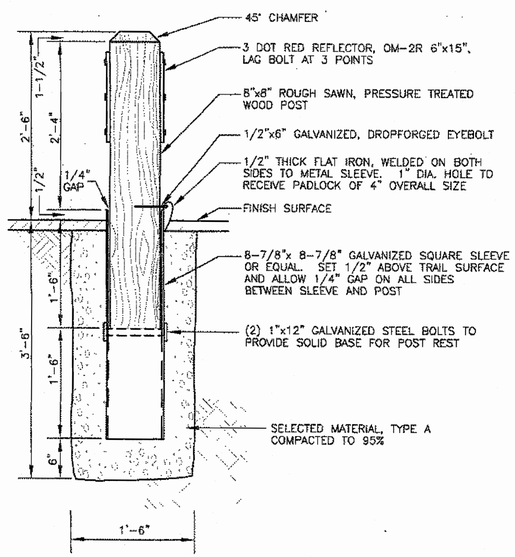
DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
E8	109





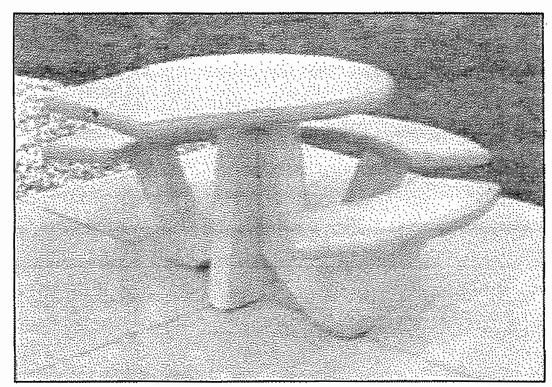
NOTES:

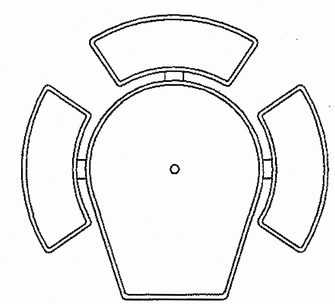
1. PADLOCK SHOULD BE LOCATED OUT OF TRAFFIC FLOW.
2. PADLOCK PROVIDED BY CBS MAINTENANCE CREW.

REMOVABLE BOLLARD DETAIL

NOTES:

1. THE PEDESTRIAN PATH ALIGNMENT SHOWN IS FOR REFERENCE ONLY. THE ALIGNMENT AND GRADE OF THE PEDESTRIAN PATH WILL BE FIELD LOCATED BY THE ENGINEER TO FOLLOW THE EXISTING ABANDONED OLD DAIRY ROAD WITH AS LITTLE DISTURBANCE AS POSSIBLE.
2. THE LOCATION OF THE PICNIC AREA IS TO BE FIELD LOCATED BY THE ENGINEER TO TAKE ADVANTAGE OF THE VIEW OF SILVER BAY.





PICNIC TABLE DETAIL

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 01/26/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

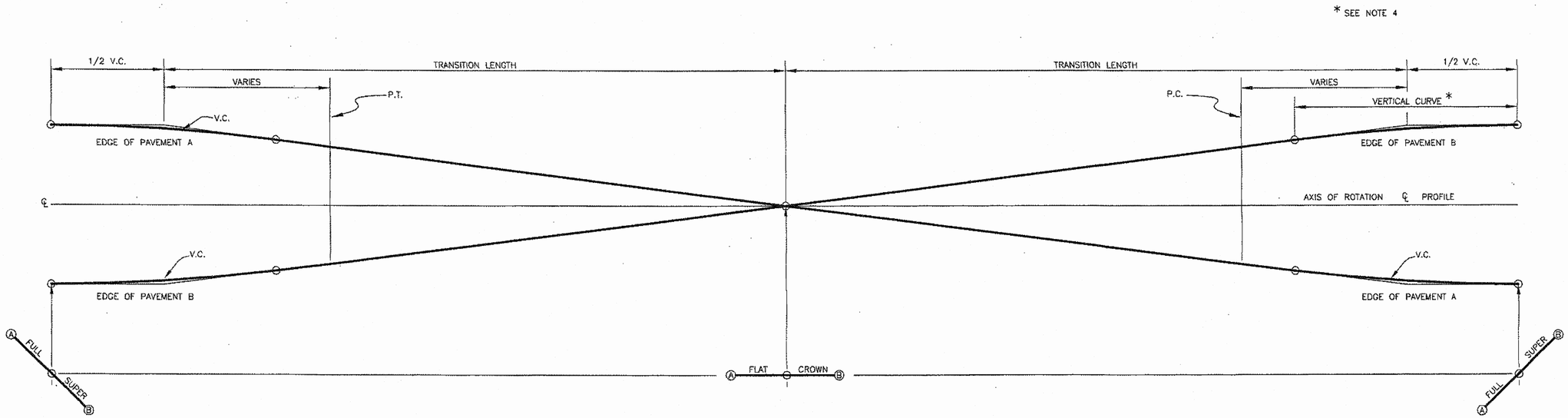
DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
E9	109

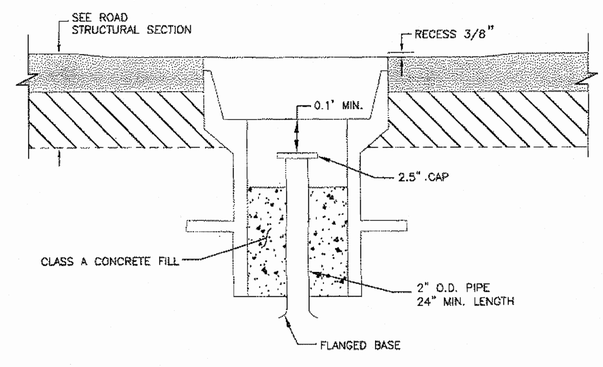
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



NOTES:

1. THIS SUPERELEVATION TRANSITION IS TO BE USED WHEN ADJACENT CURVES SHOW A "FLAT" STATION. CURVES WITH A BST/EST STATION SHALL HAVE THEIR SUPERELEVATION TRANSITION FOLLOW CASE I OF STANDARD DRAWING I-81.00.
2. LOCATION OF TRANSITION LENGTH, RELATIVE TO HORIZONTAL CURVES IS SHOWN ON THE PLANS.
3. WIDENING FOR GUARDRAIL OR CURVATURE WILL NOT CHANGE THE LOCATION OF THE AXIS OF ROTATION.
4. MINIMUM VERTICAL CURVE (V.C.) LENGTH IN FEET SHALL BE THE NUMERICAL VALUE OF THE DESIGN SPEED IN MPH.
5. SUPERELEVATION SHALL BE BUILT INTO THE SUBGRADE AND CARRIED THROUGH THE SHOULDERS.

SUPERELEVATION TRANSITION WITHOUT RETURNING TO NORMAL CROWN FOR CURVES WITH A "FLAT" TRANSITION STATION



MONUMENT DETAIL

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\E10.DWG

TAB: E10

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/15 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

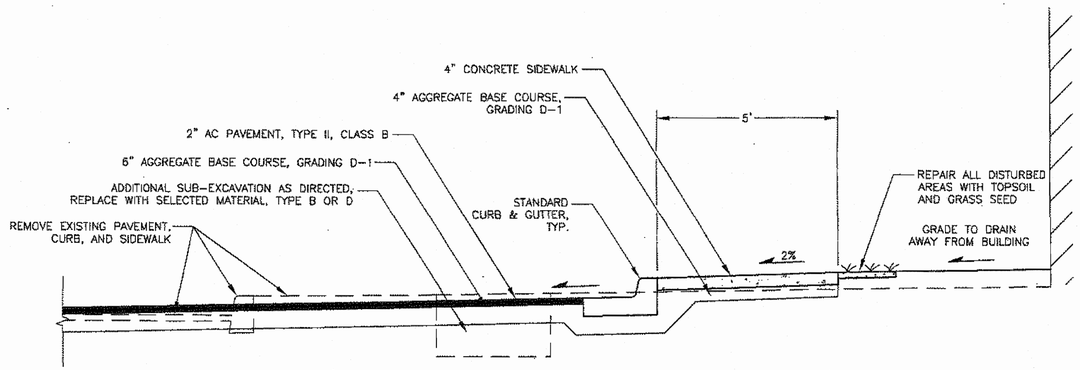
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

DETAILS

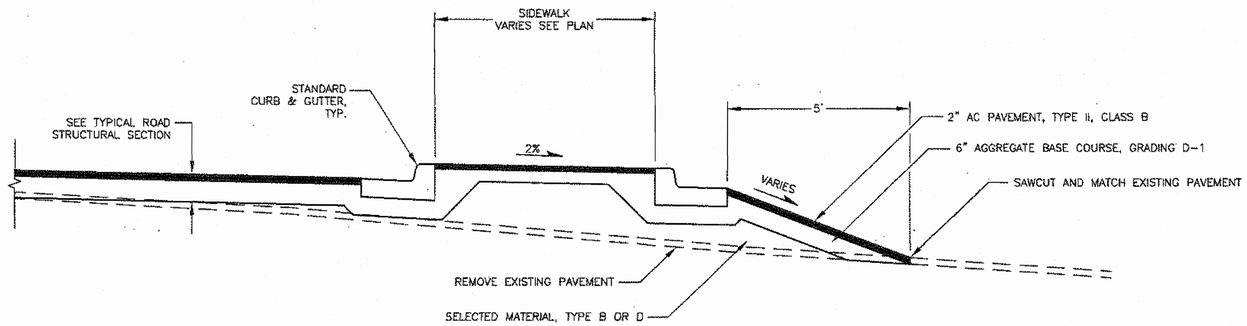
PROJECT DESIGNATION

68216\MSG-STP-0933(21)

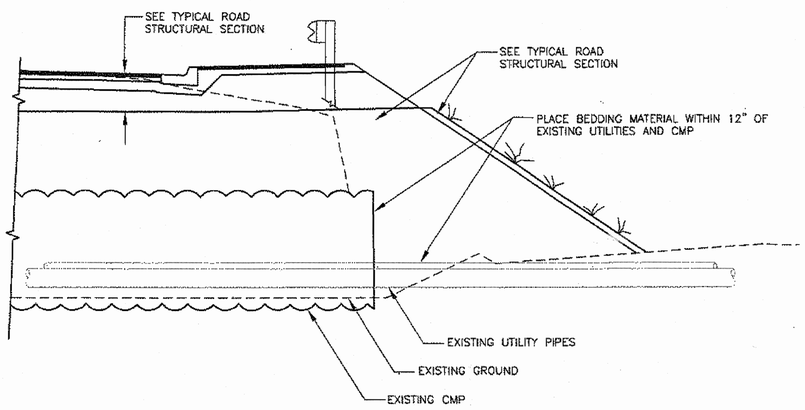
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
E10	109



SIDEWALK AND PARKING AREA IMPROVEMENTS AT SAWMILL COVE INDUSTRIAL PARK ADMINISTRATIVE BUILDING



PAVEMENT MATCH



FILL AT EXISTING UTILITY CROSSING

STA. 276+60 RT

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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TAB: E11

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

DETAILS

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-6386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

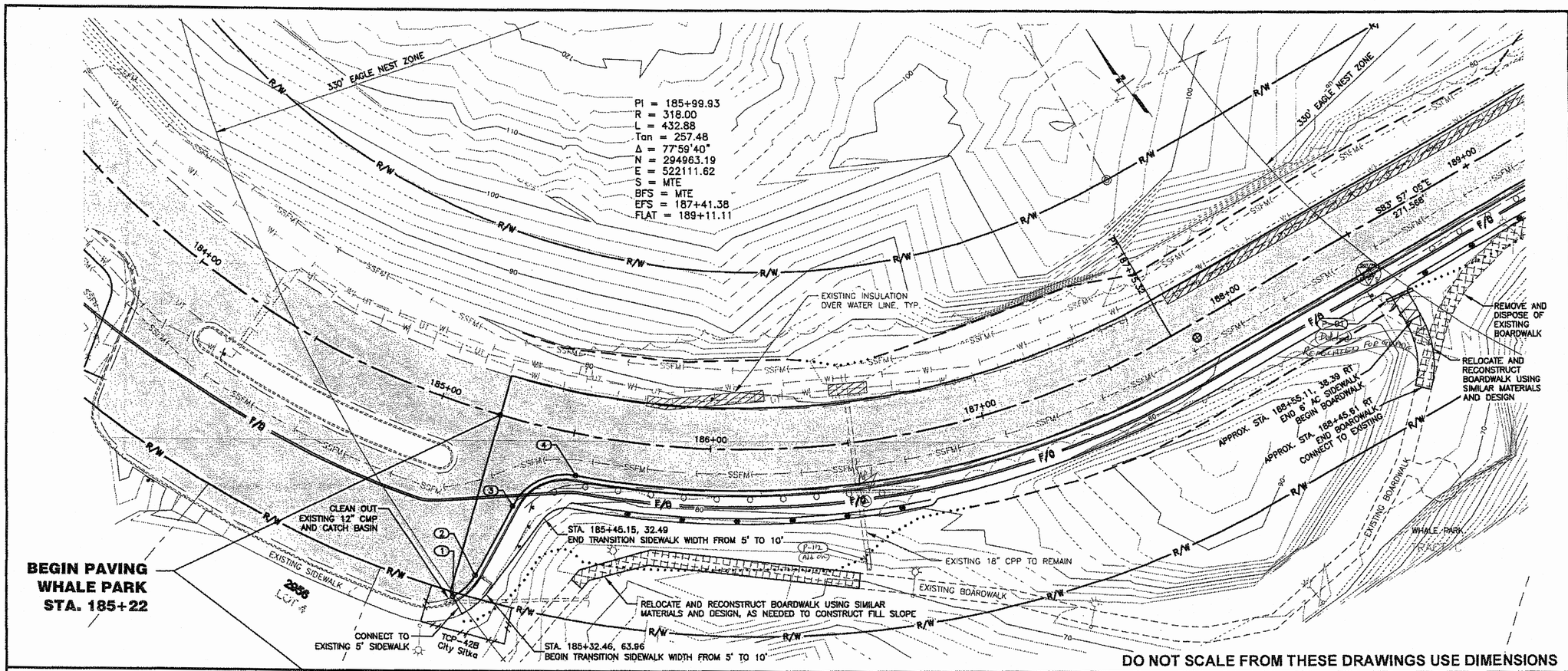
DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

DETAILS

PROJECT DESIGNATION	
68216\MSG-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
E11	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

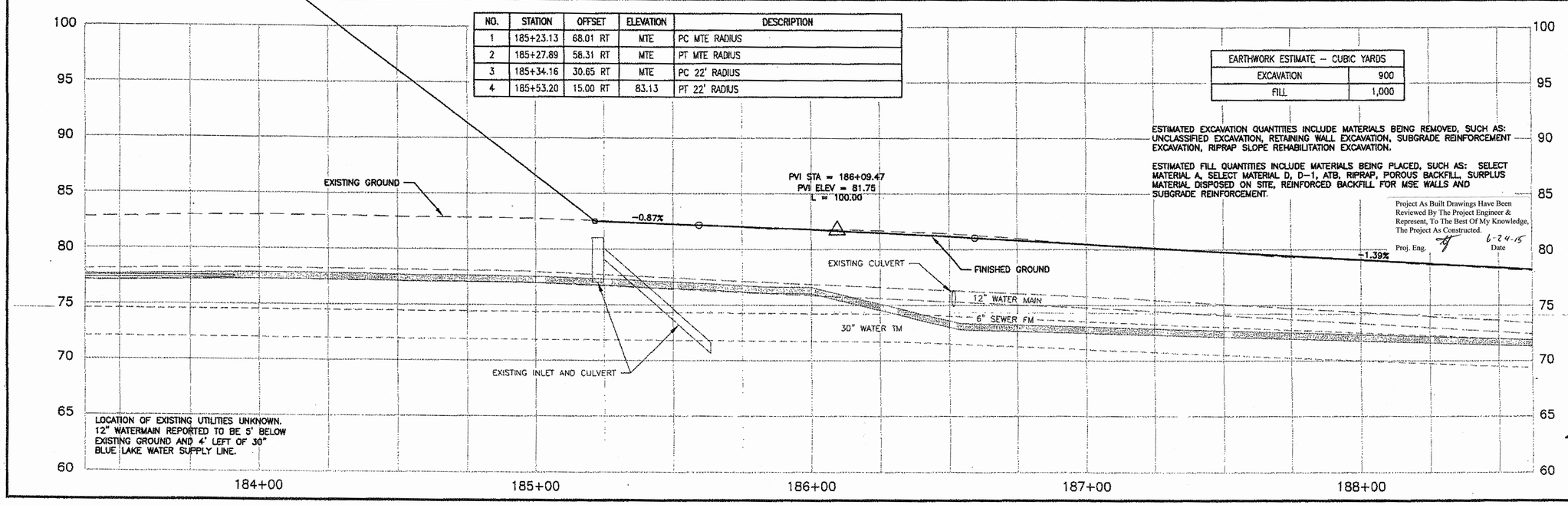
NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	185+23.13	68.01 RT	MTE	PC MTE RADIUS
2	185+27.89	58.31 RT	MTE	PT MTE RADIUS
3	185+34.16	30.65 RT	MTE	PC 22' RADIUS
4	185+53.20	15.00 RT	83.13	PT 22' RADIUS

EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	900
FILL	1,000

ESTIMATED EXCAVATION QUANTITIES INCLUDE MATERIALS BEING REMOVED, SUCH AS: UNCLASSIFIED EXCAVATION, RETAINING WALL EXCAVATION, SUBGRADE REINFORCEMENT EXCAVATION, RIPRAP SLOPE REHABILITATION EXCAVATION.

ESTIMATED FILL QUANTITIES INCLUDE MATERIALS BEING PLACED, SUCH AS: SELECT MATERIAL A, SELECT MATERIAL D, D-1, ATB, RIPRAP, POROUS BACKFILL, SURPLUS MATERIAL DISPOSED ON SITE, REINFORCED BACKFILL FOR MSE WALLS AND SUBGRADE REINFORCEMENT.

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. Date 6-24-15



LOCATION OF EXISTING UTILITIES UNKNOWN. 12" WATERMAIN REPORTED TO BE 5' BELOW EXISTING GROUND AND 4' LEFT OF 30" BLUE LAKE WATER SUPPLY LINE.

PATH: I:\1153805\DWGS\C\SHEETS\F01-F20.DWG
Wednesday, August 22, 2012 8:33:29 AM
TAB: F01

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH
CHECKED BY: NCL
DESIGNED BY: NCL
DRAWN BY: WJP

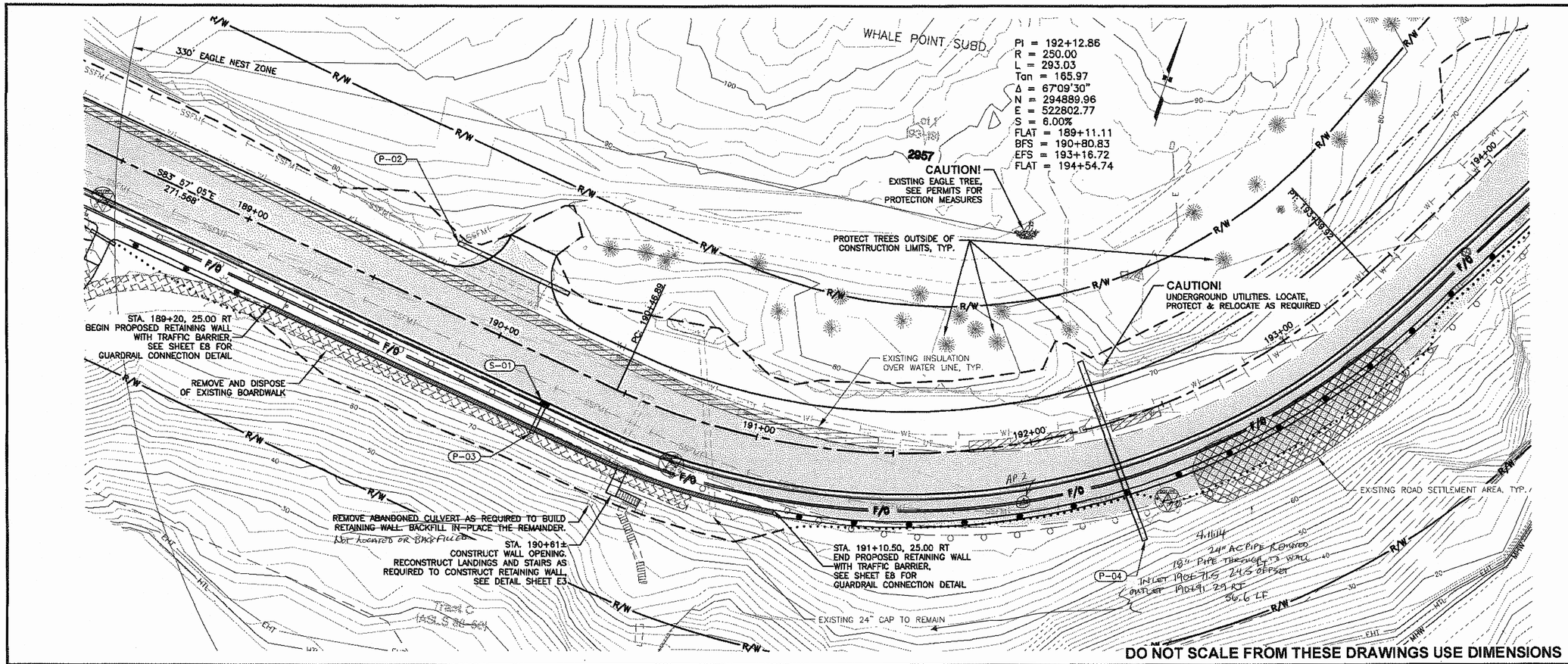
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

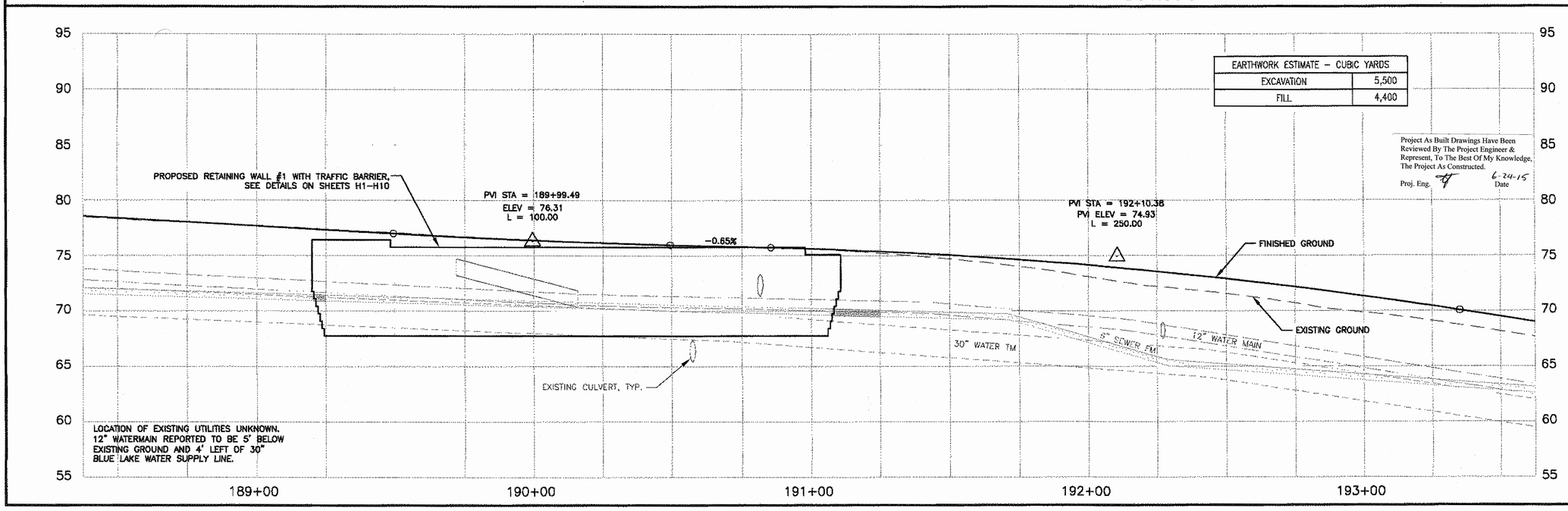
ROADWAY PLAN & PROFILE BOP TO STA. 188+50

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F1	109





EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	5,500
FILL	4,400

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. Date 6-24-15

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F02

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

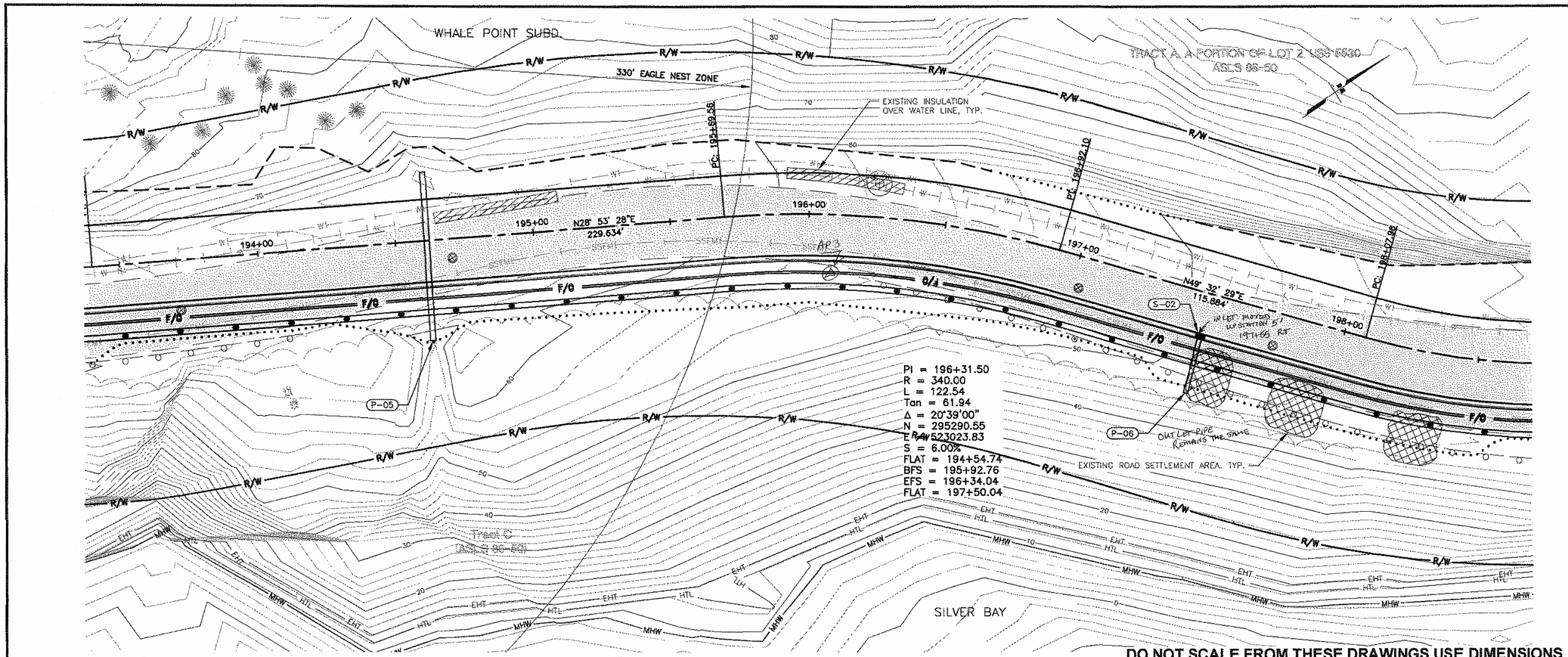
ROADWAY PLAN & PROFILE STA. 188+50 TO STA. 193+50

PROJECT DESIGNATION

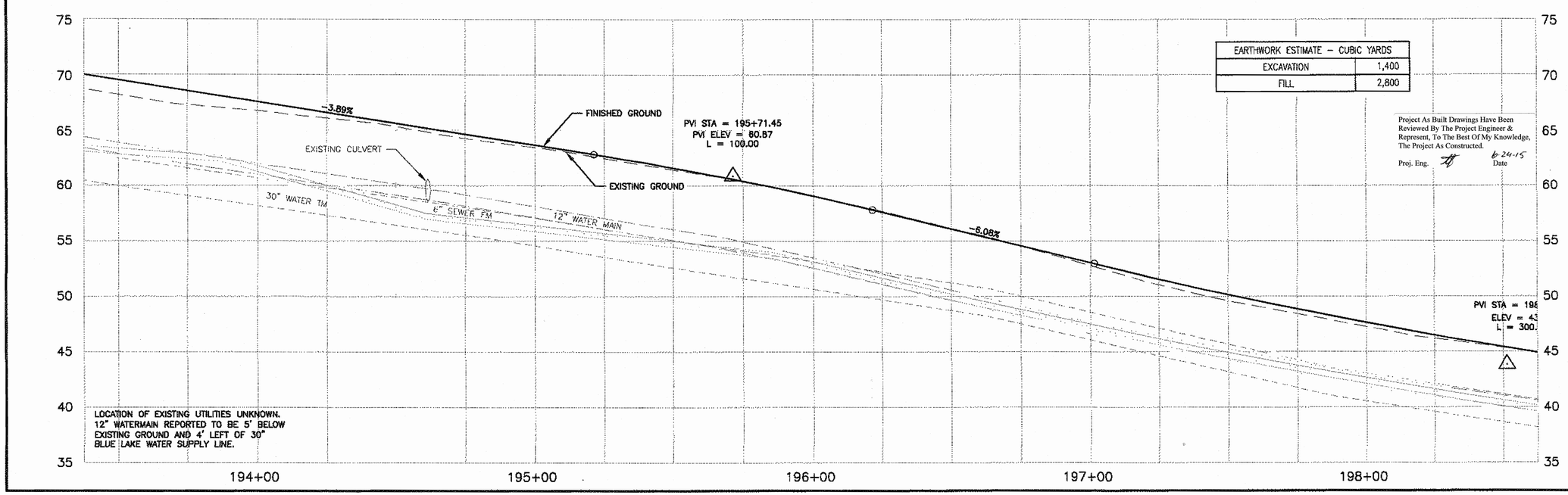
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F2	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	1,400
FILL	2,800

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

LOCATION OF EXISTING UTILITIES UNKNOWN.
12" WATERMAIN REPORTED TO BE 5' BELOW EXISTING GROUND AND 4' LEFT OF 30" BLUE LAKE WATER SUPPLY LINE.

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F03

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
SAWMILL CREEK ROAD UPGRADE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 3/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 193+50 TO STA. 198+50

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
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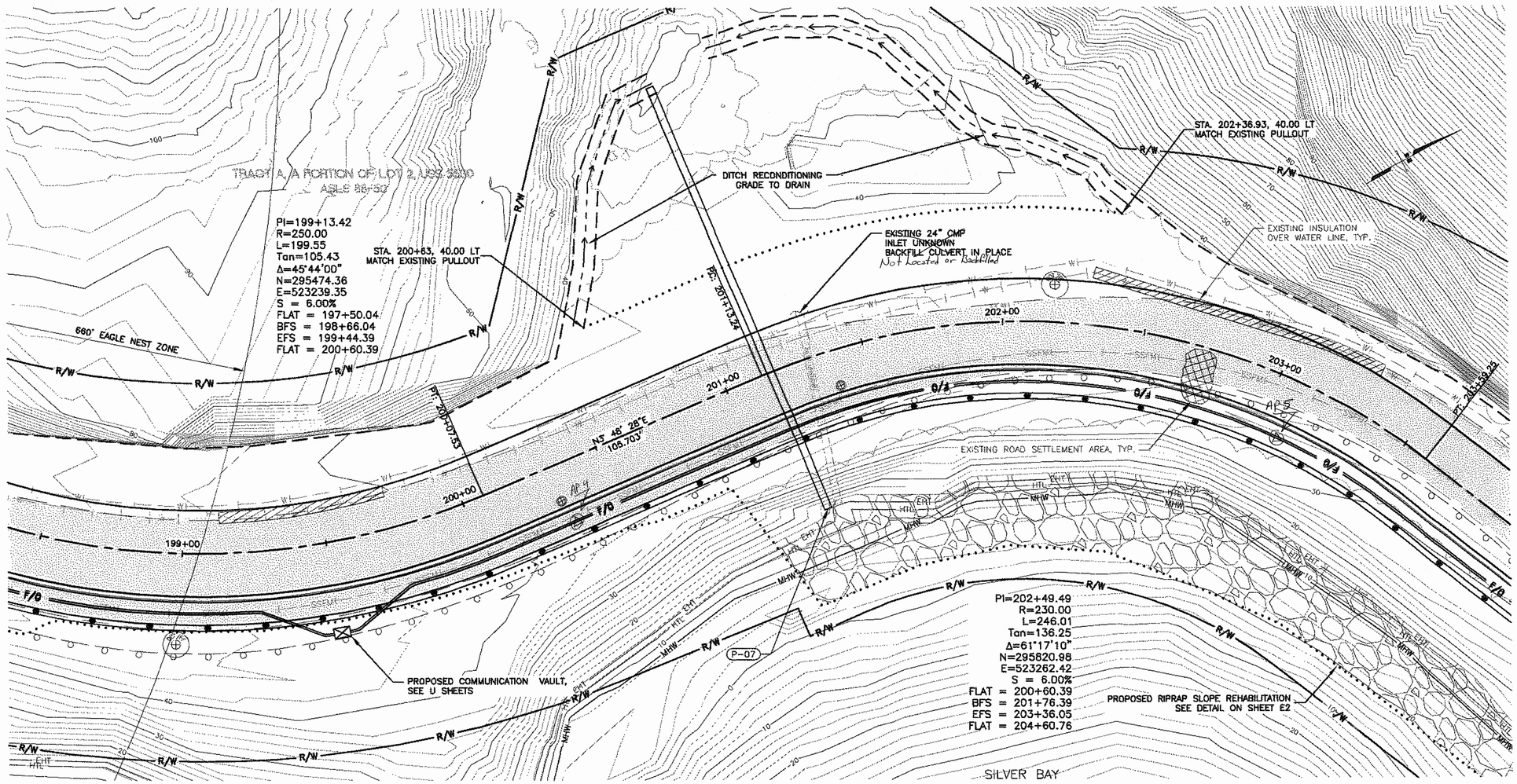
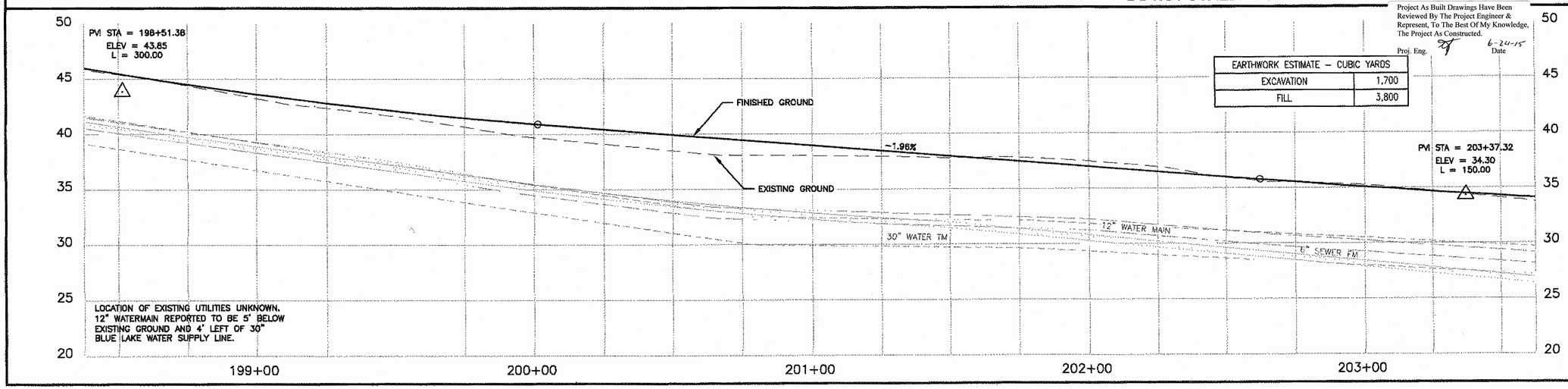


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	1,700
FILL	3,800

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\NUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F04

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8385 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

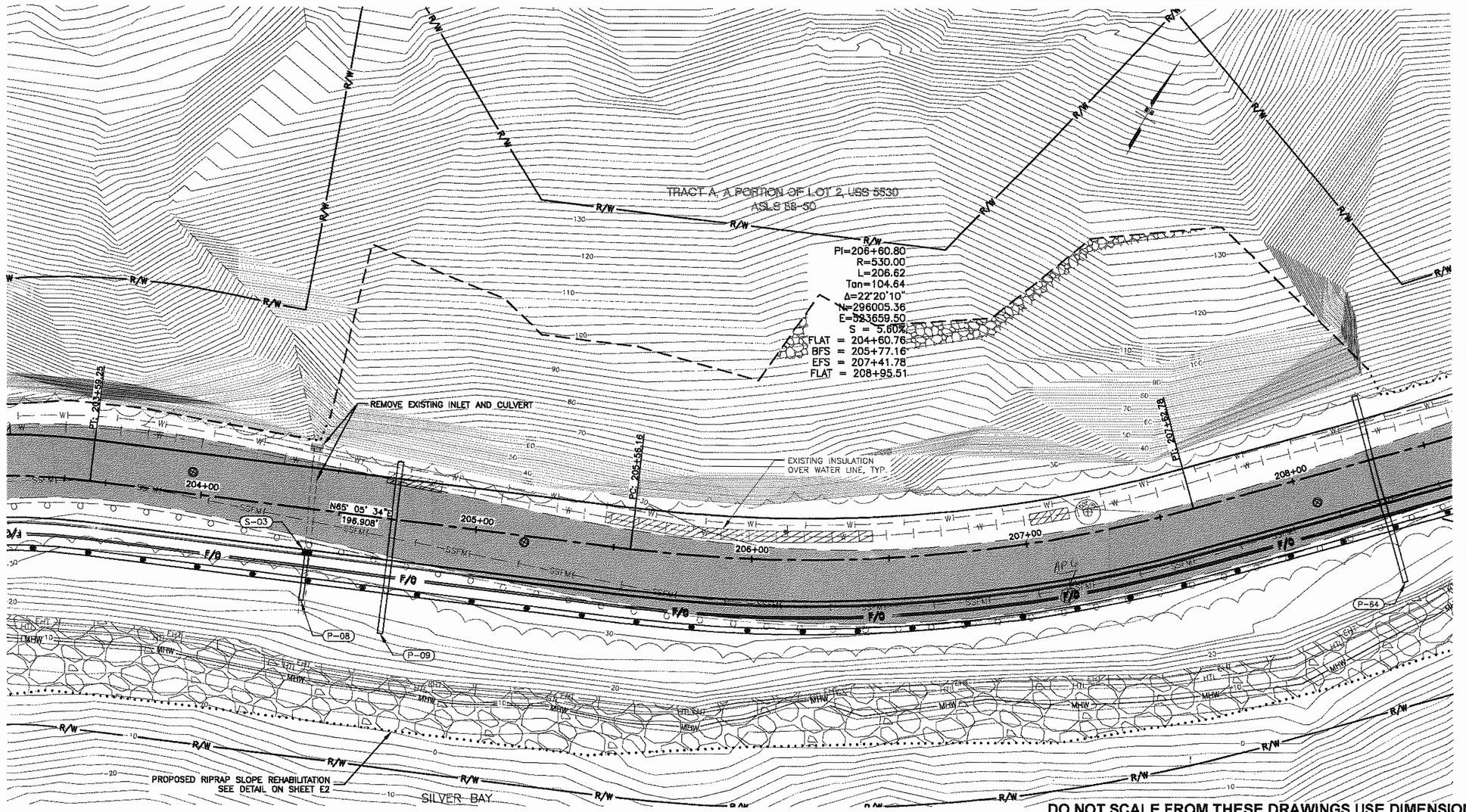
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 198+50 TO STA. 203+50

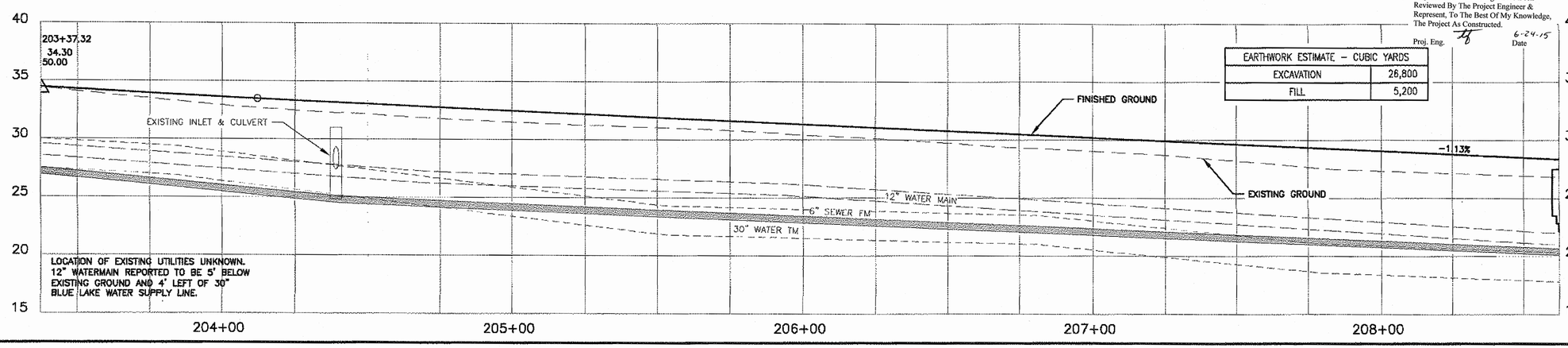
PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F4	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	26,800
FILL	5,200

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F05

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
SAWMILL CREEK ROAD UPGRADE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Legg CE-6386 8/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

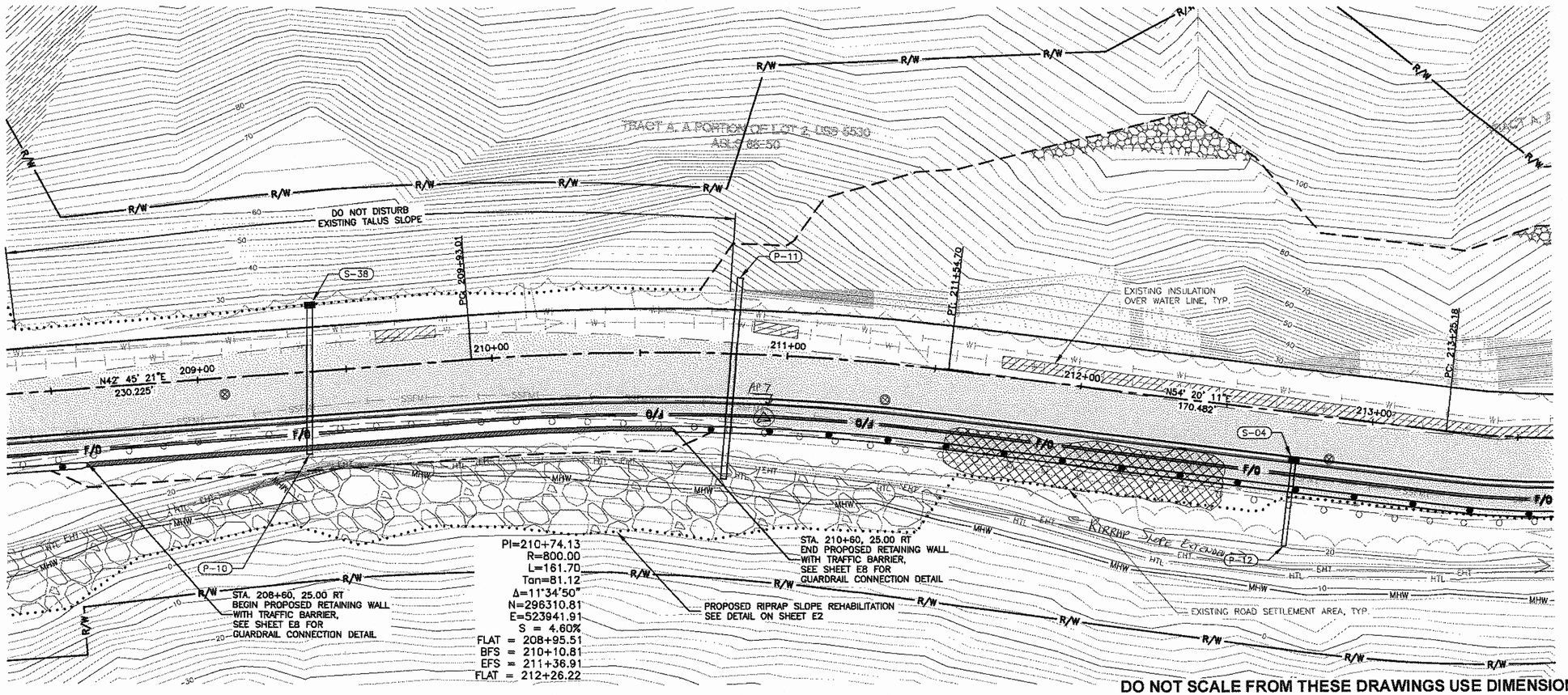
ROADWAY PLAN & PROFILE STA. 203+50 TO STA. 208+50

PROJECT DESIGNATION

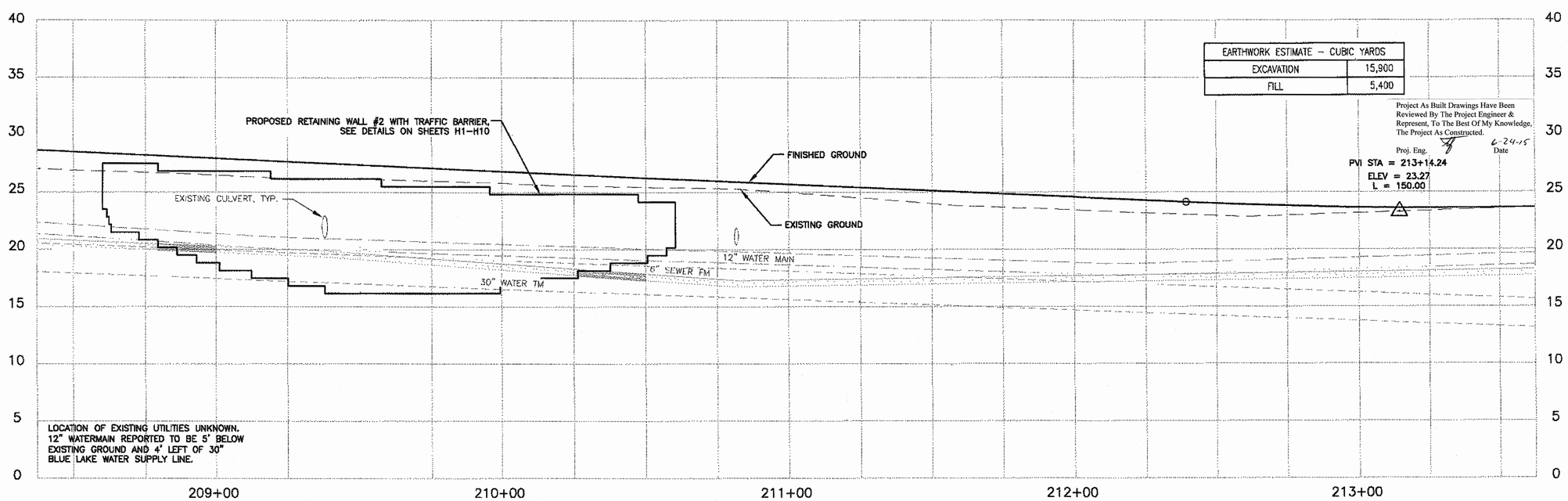
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F5	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	15,900
FILL	5,400

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: I:\1153805\DWGS\C\SHEETS\F01-F20.DWG

TAB: F06

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
SAWMILL CREEK ROAD UPGRADE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 07/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 208+50 TO STA. 213+50

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F6	109

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

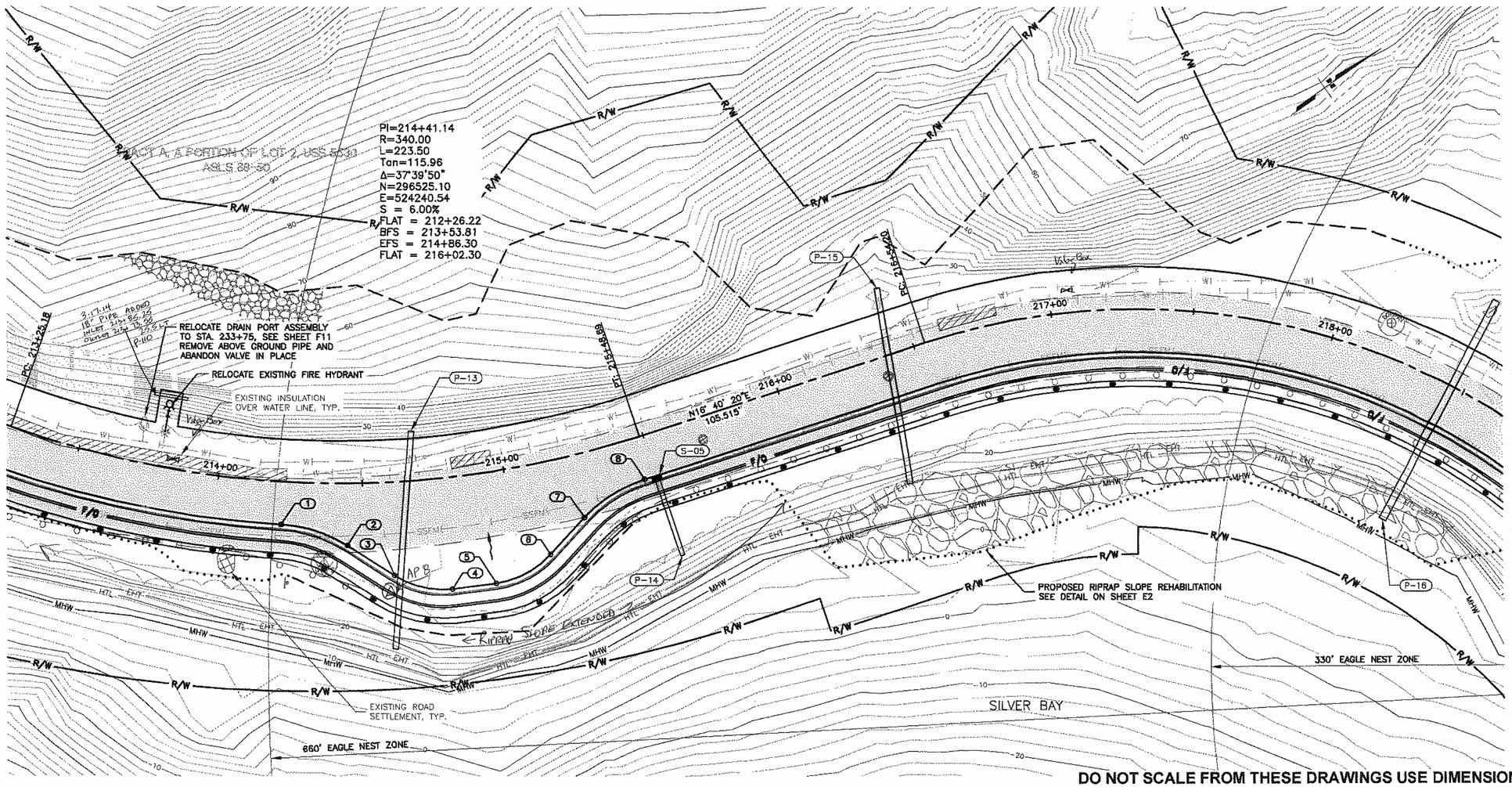
TAB: F07

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

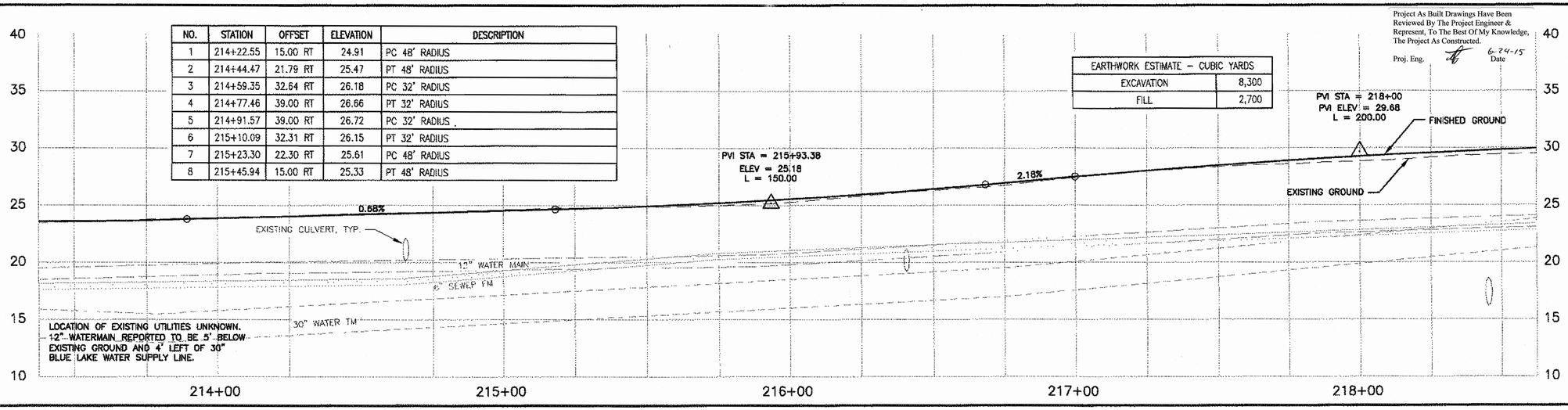
No.	DATE	DESCRIPTION



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	214+22.55	15.00 RT	24.91	PC 48' RADIUS
2	214+44.47	21.79 RT	25.47	PT 48' RADIUS
3	214+59.35	32.64 RT	26.18	PC 32' RADIUS
4	214+77.46	39.00 RT	26.66	PT 32' RADIUS
5	214+91.57	39.00 RT	26.72	PC 32' RADIUS
6	215+10.09	32.31 RT	26.15	PT 32' RADIUS
7	215+23.30	22.30 RT	25.61	PC 48' RADIUS
8	215+45.94	15.00 RT	25.33	PT 48' RADIUS

EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	8,300
FILL	2,700



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8388 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

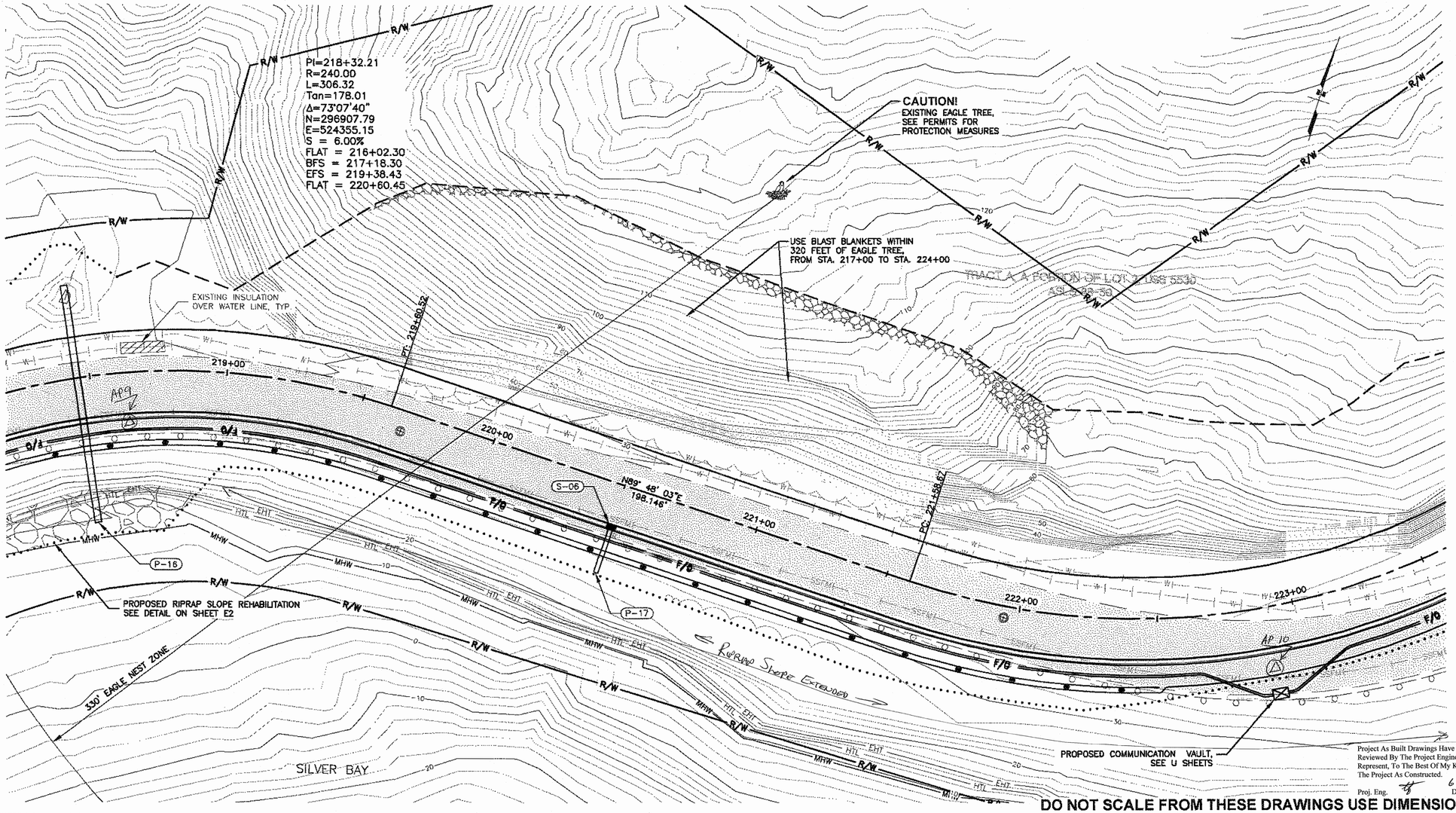
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA.213+50 TO STA. 218+50

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F7	109

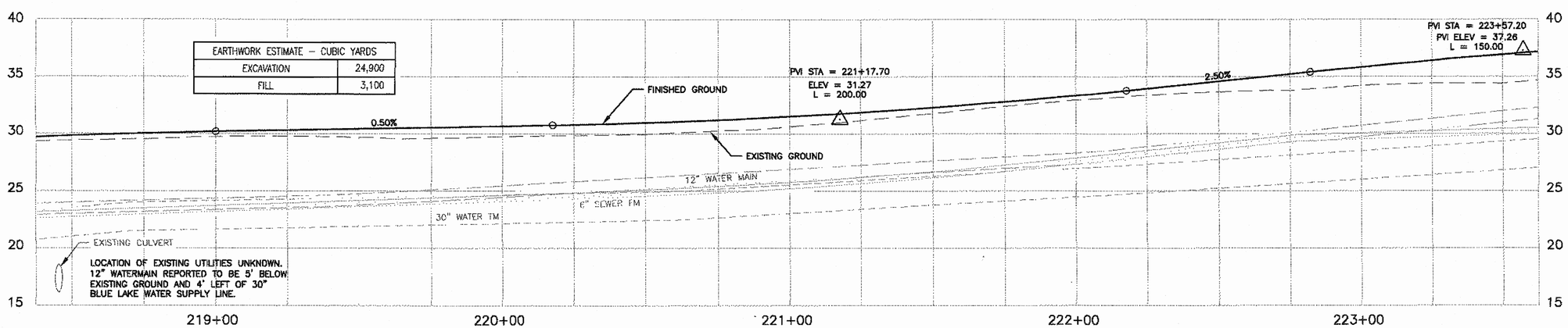


Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	24,900
FILL	3,100



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TAB: F08

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/15 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 218+50 TO STA. 223+50

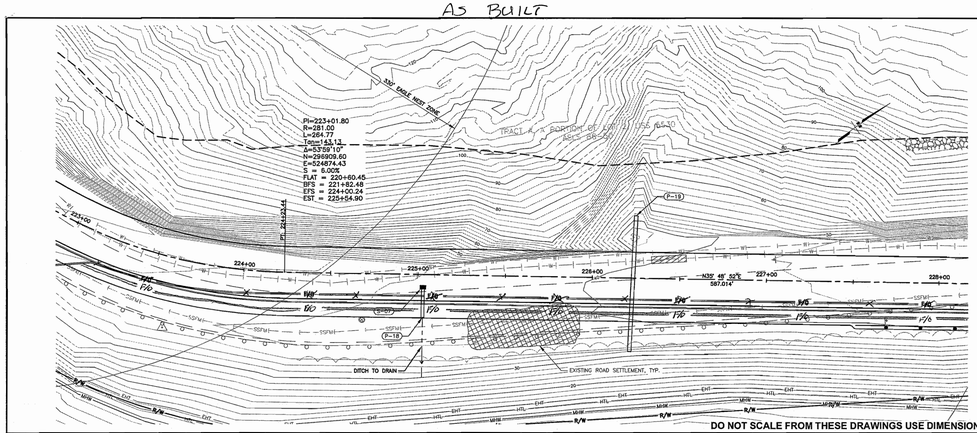
PROJECT DESIGNATION

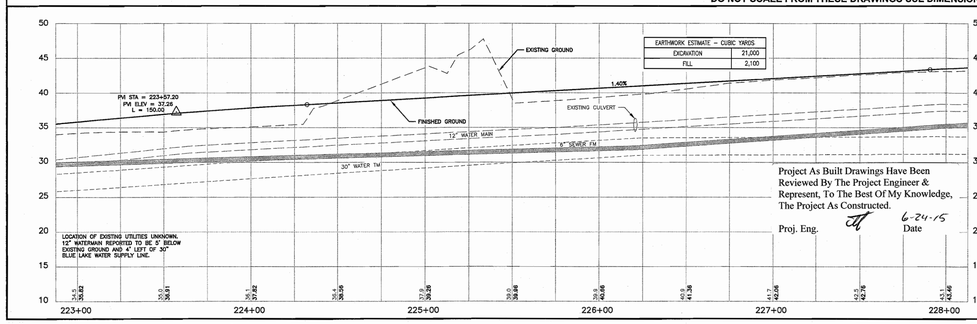
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F8	109

AS BUILT





EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	21,000
FILL	2,100

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\INUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F09

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

REVISED ALIGNMENT

DESIGNED BY: NCL

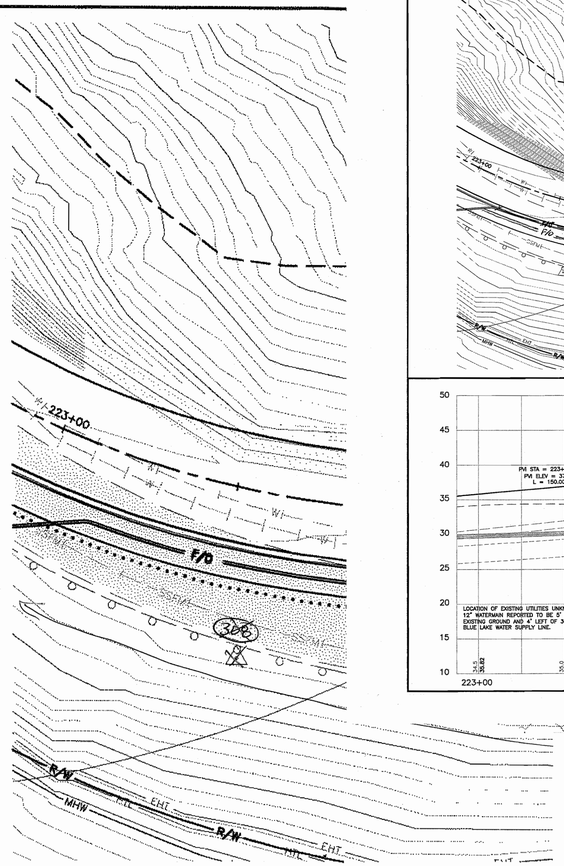
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 223+50 TO STA. 228+00

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F9	109



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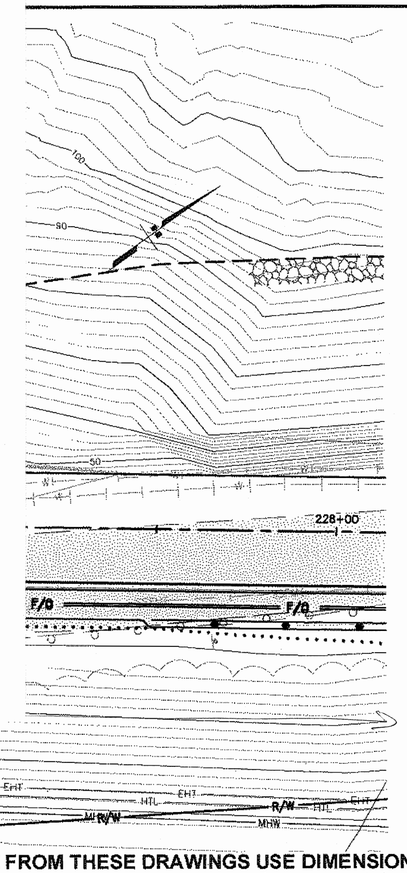
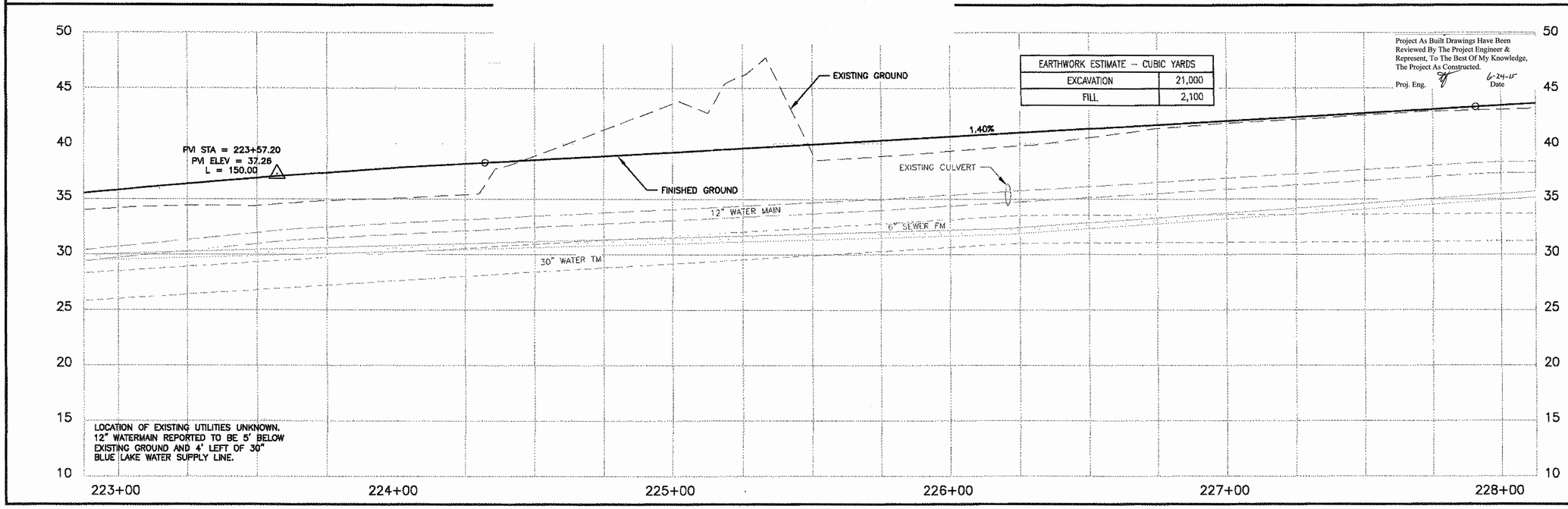


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	21,000
FILL	2,100

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\INUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F09

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 223+50 TO STA. 228+00

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F9	109

AS BUILT

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	7,300
FILL	1,900

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	229+97.47	25.00 RT	43.84	PC 50' RADIUS, BACK OF SIDEWALK
2	230+28.20	34.52 RT	43.14	PT 50' RADIUS, BACK OF SIDEWALK
3	230+88.10	19.51 RT	41.9	EDGE OF PAVEMENT, LIP OF GUTTER
4	230+89.81	50.16 RT	41.32	EDGE OF PAVEMENT, LIP OF GUTTER
5	231+57.66	19.47 RT	40.5	EDGE OF PAVEMENT, LIP OF GUTTER
6	232+48.22	63.62 RT	39.40	ANGLE POINT, EDGE OF PAVEMENT, LIP OF GUTTER
				CONTINUED ON SHEET F11

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TAB: F10

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

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH
CHECKED BY: NCL

REVISED ALIGNMENT

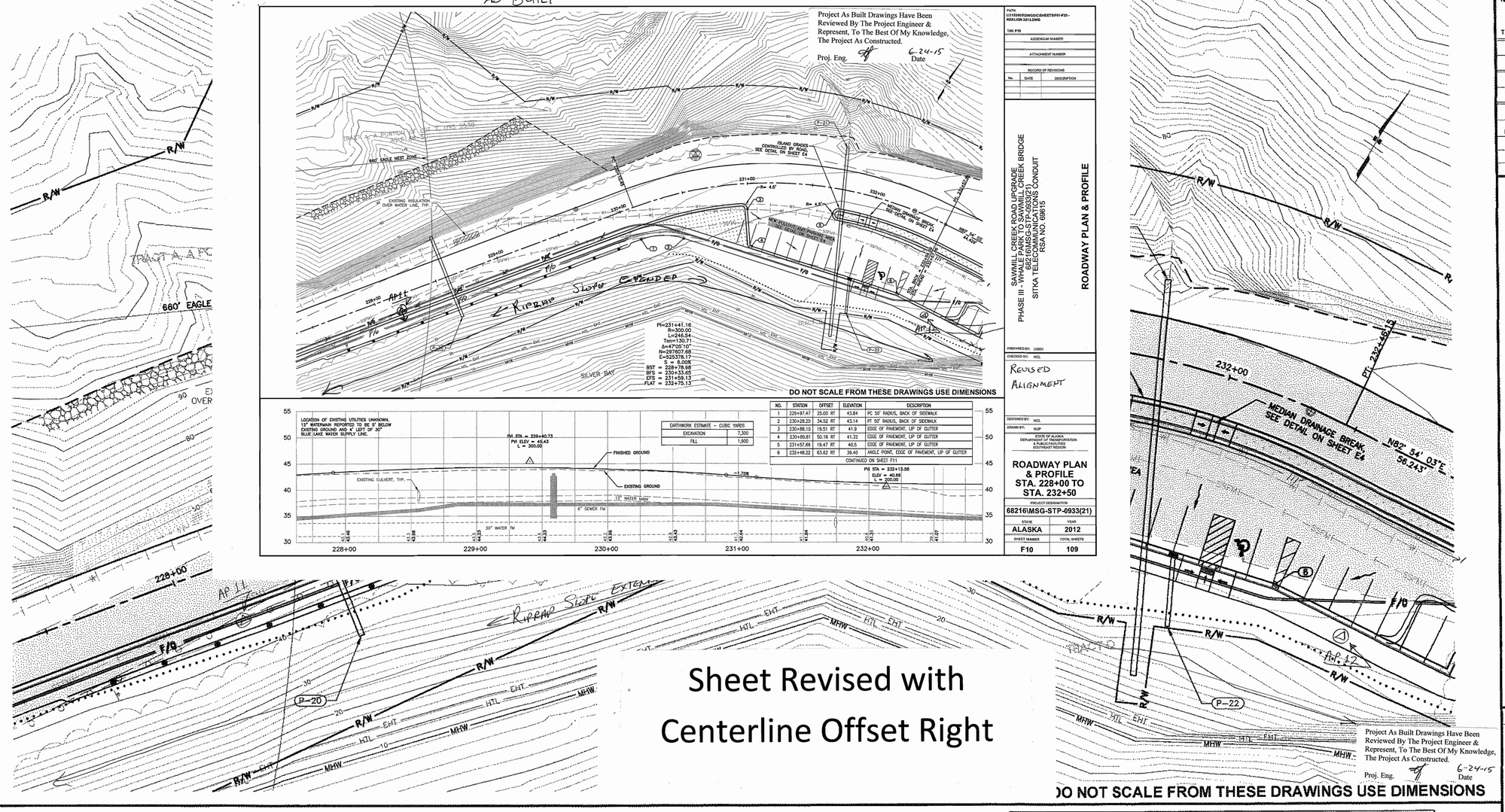
DESIGNED BY: NCL
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 228+00 TO STA. 232+50

PROJECT DESIGNATION: 68216\MSG-STP-0933(21)

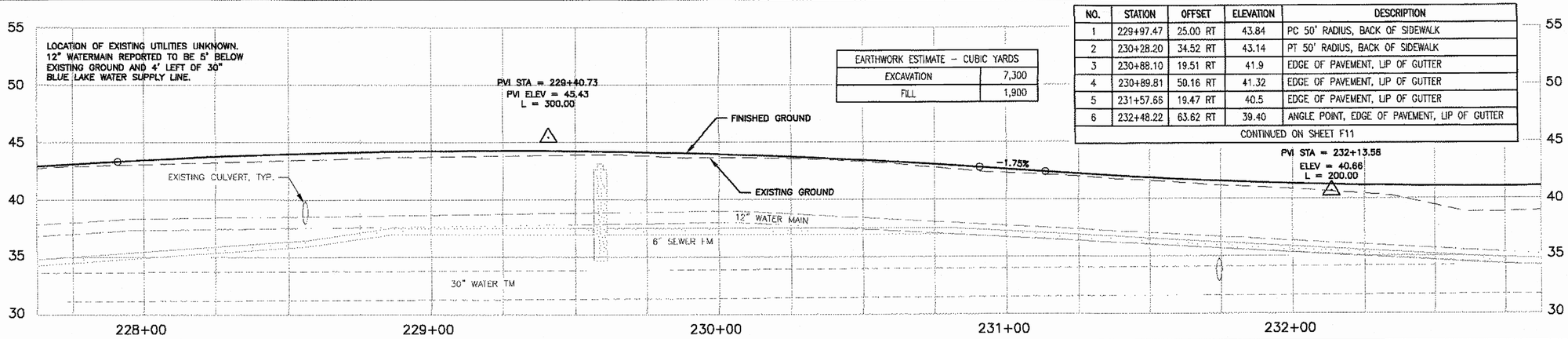
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F10	109



Sheet Revised with Centerline Offset Right

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng.
6-24-15
Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	7,300
FILL	1,900

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	229+97.47	25.00 RT	43.84	PC 50' RADIUS, BACK OF SIDEWALK
2	230+28.20	34.52 RT	43.14	PT 50' RADIUS, BACK OF SIDEWALK
3	230+88.10	19.51 RT	41.9	EDGE OF PAVEMENT, LIP OF GUTTER
4	230+89.81	50.16 RT	41.32	EDGE OF PAVEMENT, LIP OF GUTTER
5	231+57.66	19.47 RT	40.5	EDGE OF PAVEMENT, LIP OF GUTTER
6	232+48.22	63.62 RT	39.40	ANGLE POINT, EDGE OF PAVEMENT, LIP OF GUTTER
				CONTINUED ON SHEET F11

PATH: I:\INUFILE2\JOBS\I153605\DWGS\C\SHEETS\F01-F20

TAB: F10

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

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH
CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8388 5/24/12 REGISTERED PROFESSIONAL ENGINEER

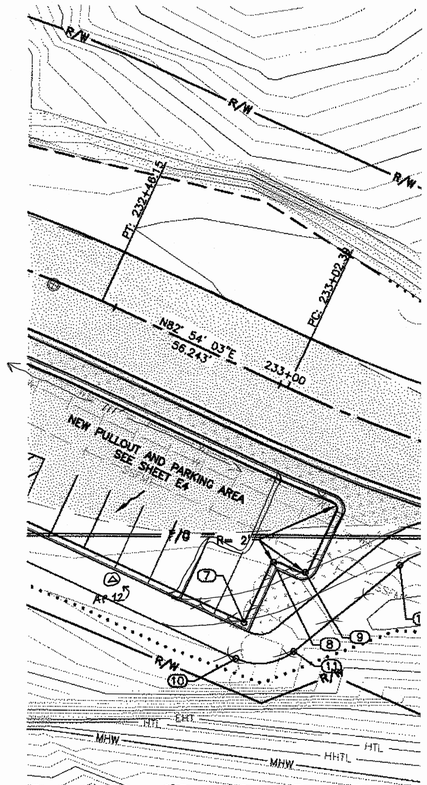
DESIGNED BY: NCL
DRAWN BY: WJP

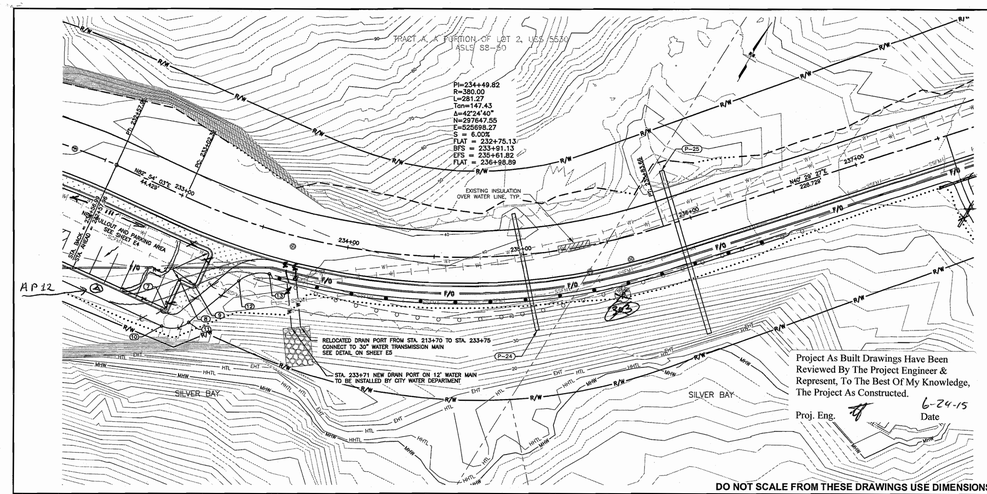
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 228+00 TO STA. 232+50

PROJECT DESIGNATION: 68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F10	109





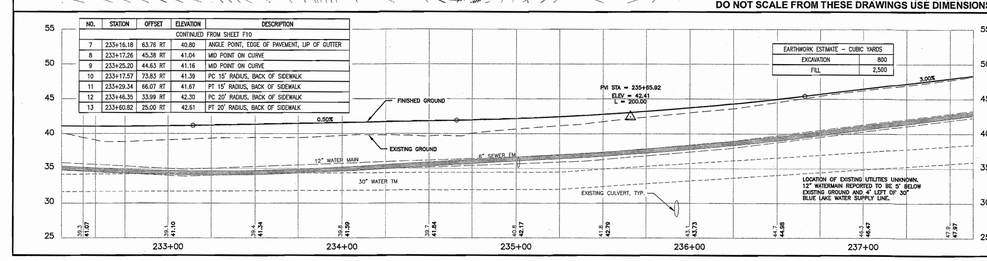
Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
				CONTINUED FROM SHEET F10
7	233+16.18	63.76 RT	40.80	ANGLE POINT, EDGE OF PAVEMENT, LIP OF GUTTER
8	233+17.26	45.38 RT	41.04	MID POINT ON CURVE
9	233+25.20	44.63 RT	41.16	MID POINT ON CURVE
10	233+17.57	73.83 RT	41.39	PC 15' RADIUS, BACK OF SIDEWALK
11	233+29.34	66.07 RT	41.67	PT 15' RADIUS, BACK OF SIDEWALK
12	233+46.35	33.99 RT	42.30	PC 20' RADIUS, BACK OF SIDEWALK
13	233+60.82	25.00 RT	42.61	PT 20' RADIUS, BACK OF SIDEWALK

EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	800
FILL	2,500



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TAB: F11

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

REVISED ALIGNMENT

DESIGNED BY: NCL

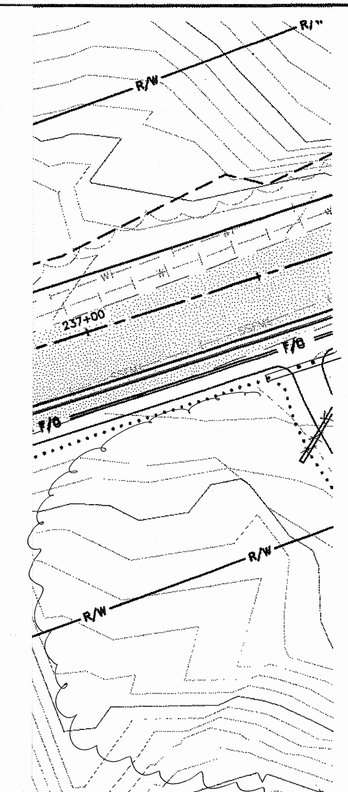
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 232+50 TO STA.237+50

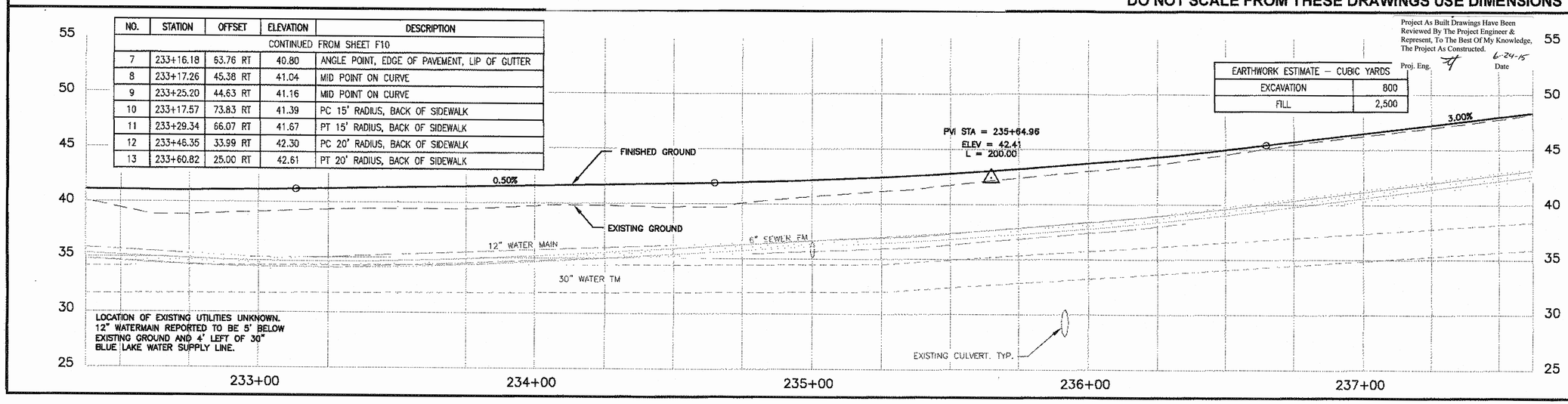
PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F11	109



Sheet Revised with
Centerline Offset Right

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
				CONTINUED FROM SHEET F10
7	233+16.18	63.76 RT	40.80	ANGLE POINT, EDGE OF PAVEMENT, LIP OF GUTTER
8	233+17.26	45.38 RT	41.04	MID POINT ON CURVE
9	233+25.20	44.63 RT	41.16	MID POINT ON CURVE
10	233+17.57	73.83 RT	41.39	PC 15' RADIUS, BACK OF SIDEWALK
11	233+29.34	66.07 RT	41.67	PT 15' RADIUS, BACK OF SIDEWALK
12	233+46.35	33.99 RT	42.30	PC 20' RADIUS, BACK OF SIDEWALK
13	233+60.82	25.00 RT	42.61	PT 20' RADIUS, BACK OF SIDEWALK

EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	800
FILL	2,500

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\INUFILE2\JOBS\115380\DWGS\C\SHEETS\F01-F20-

TAB: F11

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8385 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

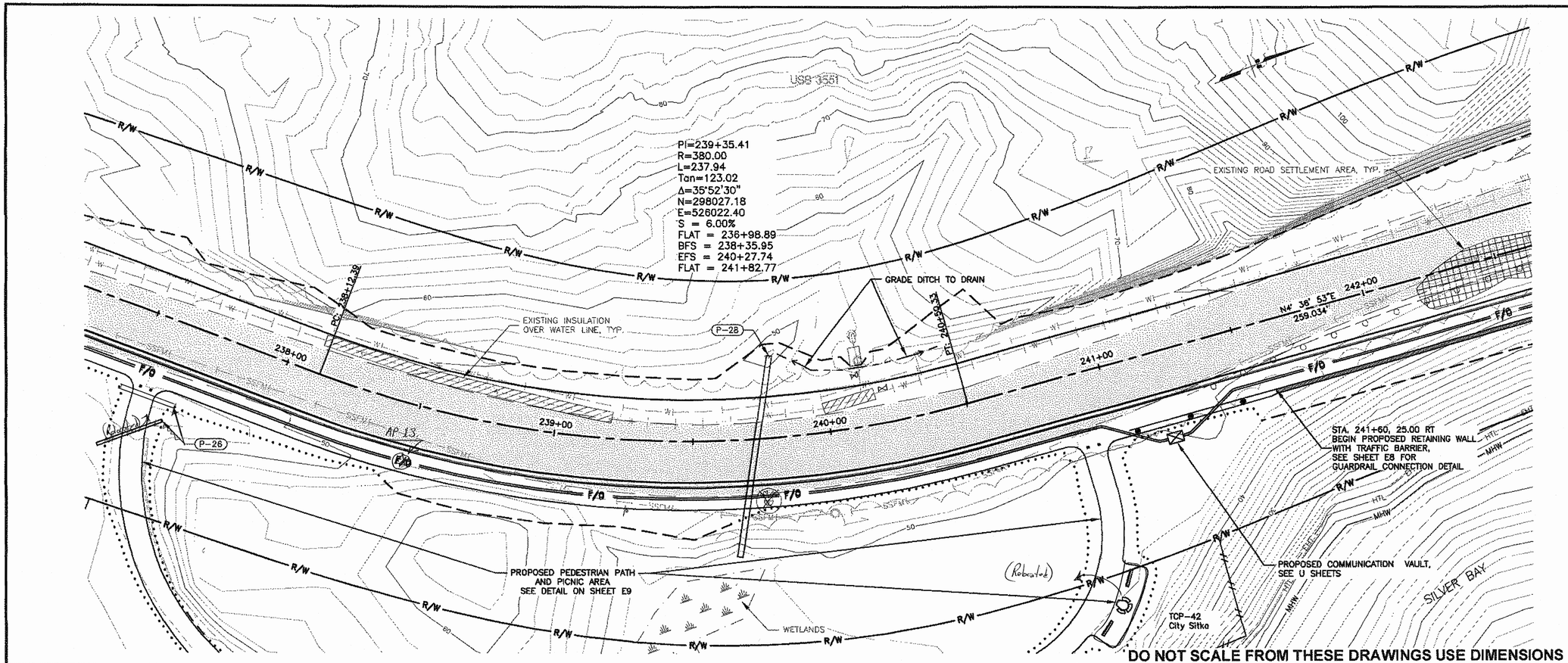
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

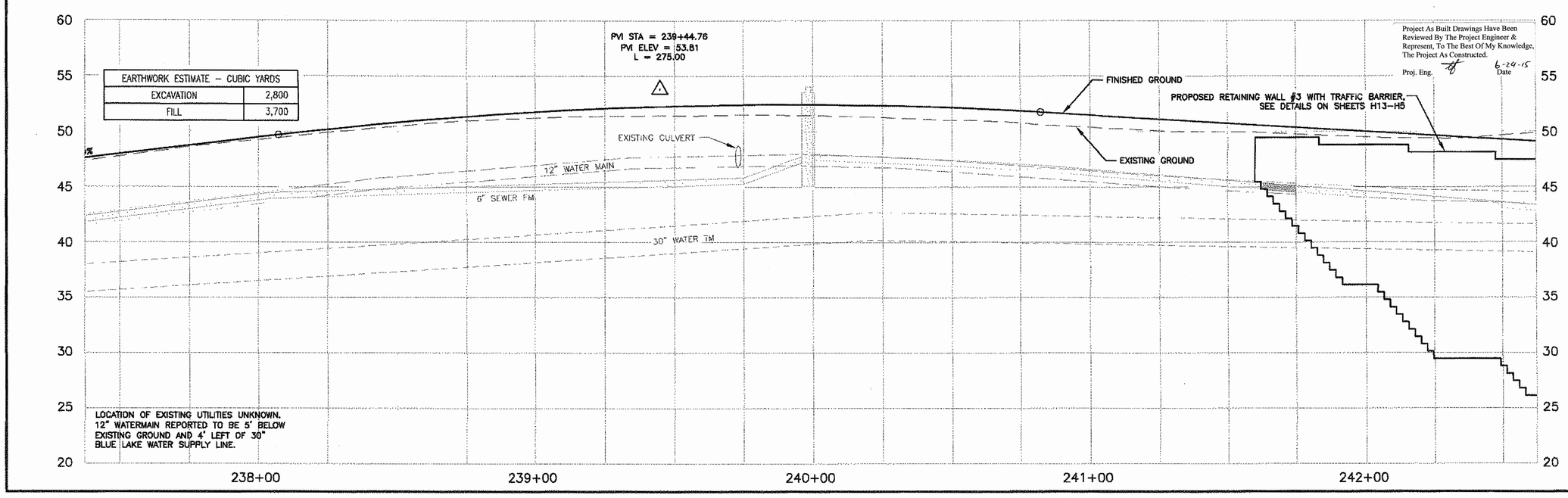
ROADWAY PLAN & PROFILE STA. 232+50 TO STA.237+50

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F11	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	2,800
FILL	3,700

LOCATION OF EXISTING UTILITIES UNKNOWN.
12" WATERMAIN REPORTED TO BE 5' BELOW EXISTING GROUND AND 4' LEFT OF 30" BLUE LAKE WATER SUPPLY LINE.

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\UNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F12

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 3/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

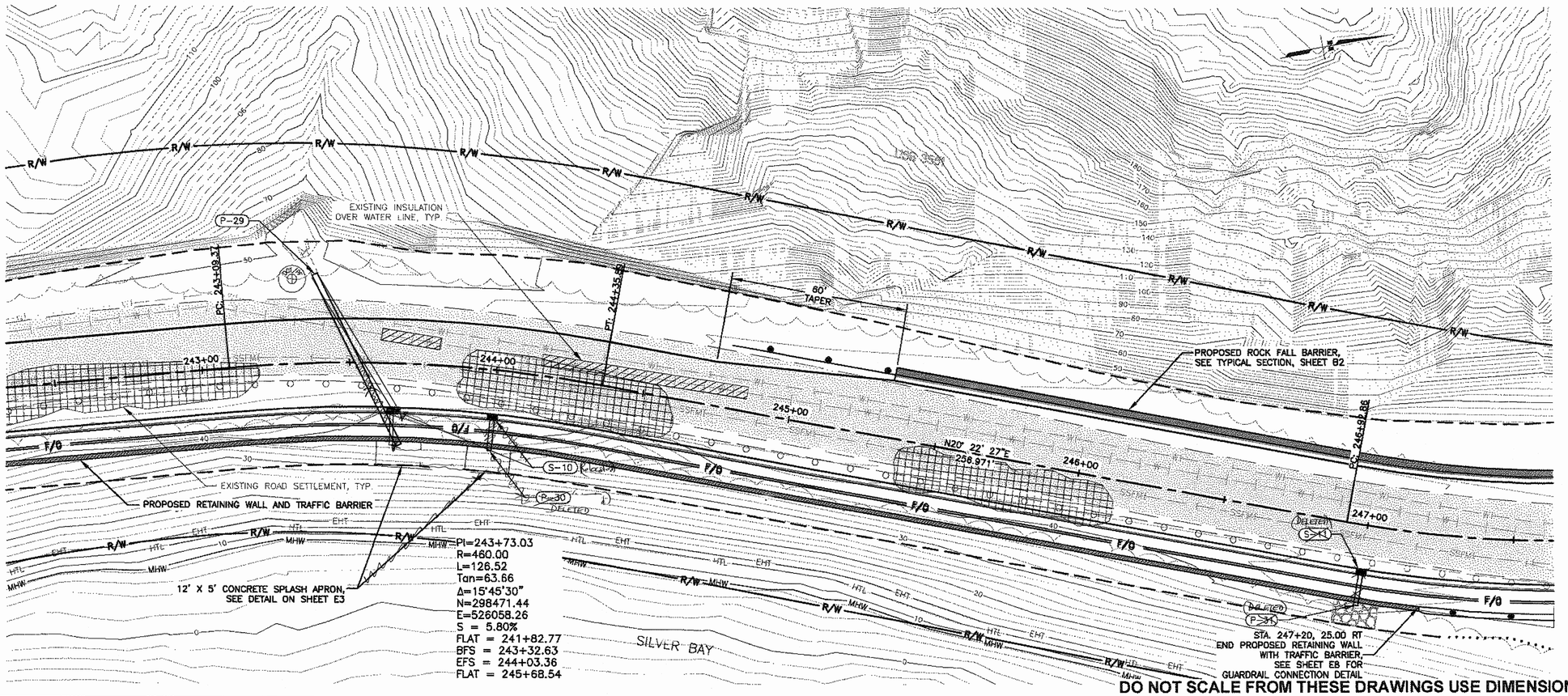
ROADWAY PLAN & PROFILE STA. 237+50 TO STA. 242+50

PROJECT DESIGNATION

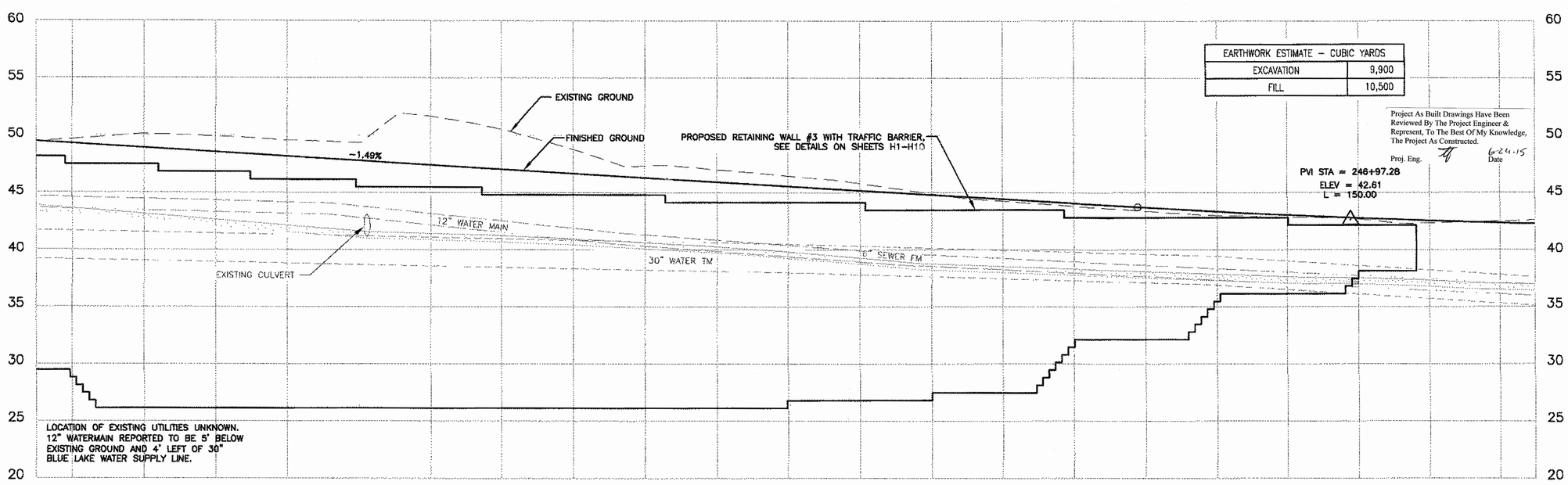
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F12	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	9,900
FILL	10,500

LOCATION OF EXISTING UTILITIES UNKNOWN. 12" WATERMAIN REPORTED TO BE 5' BELOW EXISTING GROUND AND 4' LEFT OF 30" BLUE LAKE WATER SUPPLY LINE.

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F13

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
SAWMILL CREEK ROAD UPGRADE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

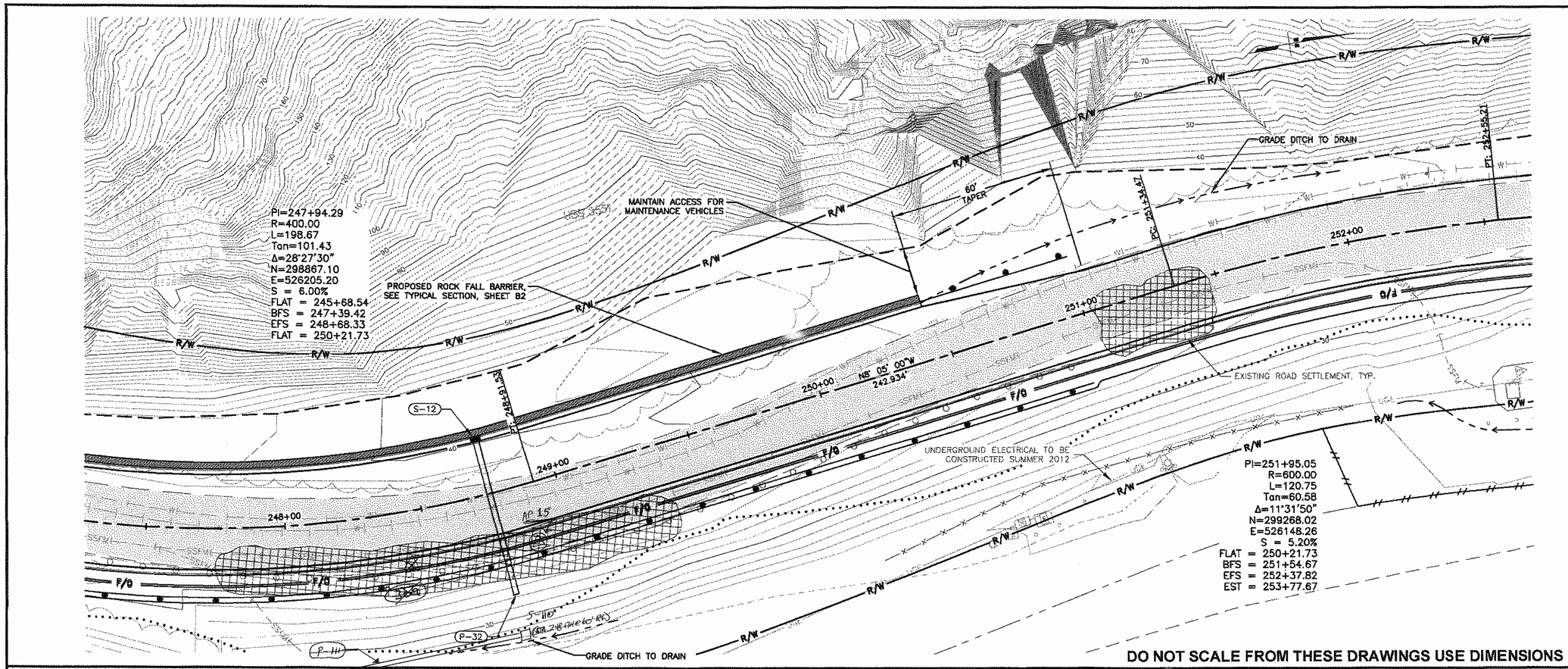
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 242+50 TO STA. 247+50

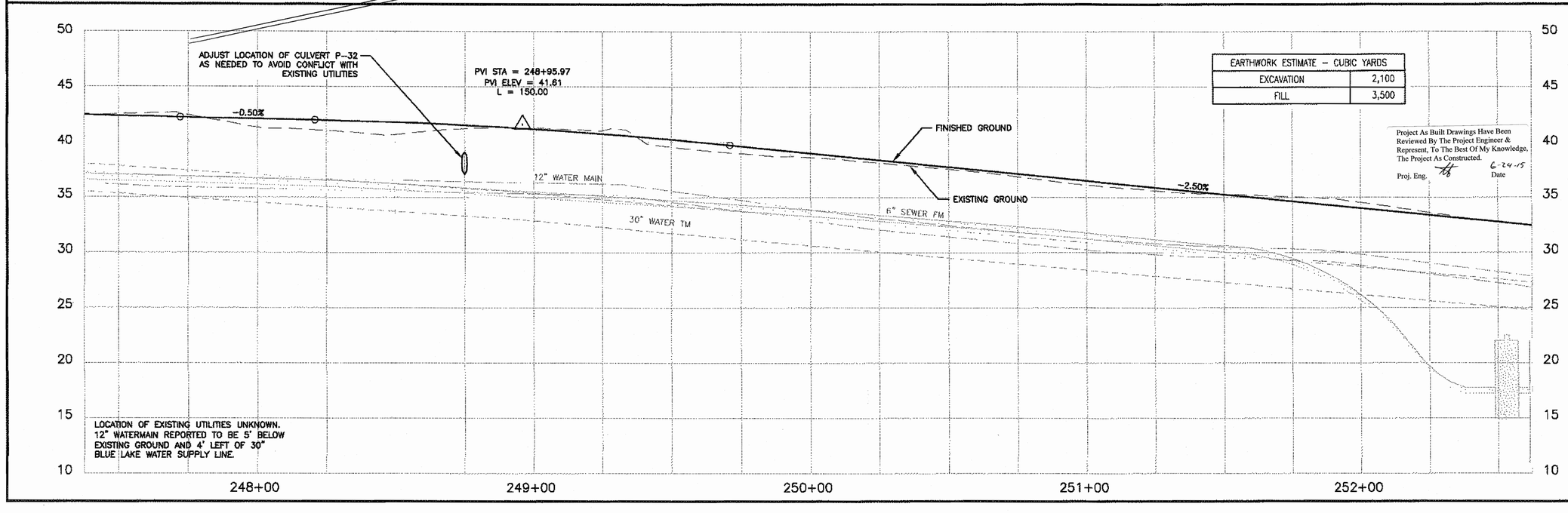
PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F13	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	2,100
FILL	3,500

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F14

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

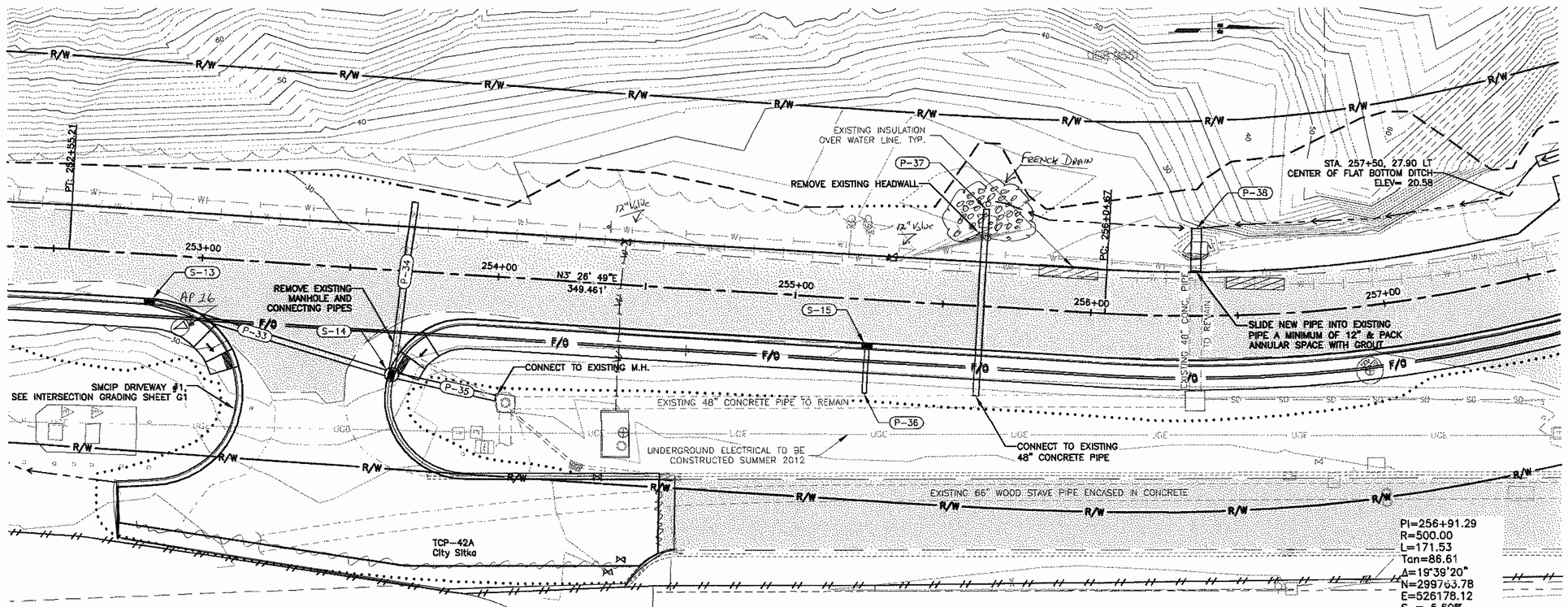
ROADWAY PLAN & PROFILE STA. 247+50 TO STA. 252+50

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

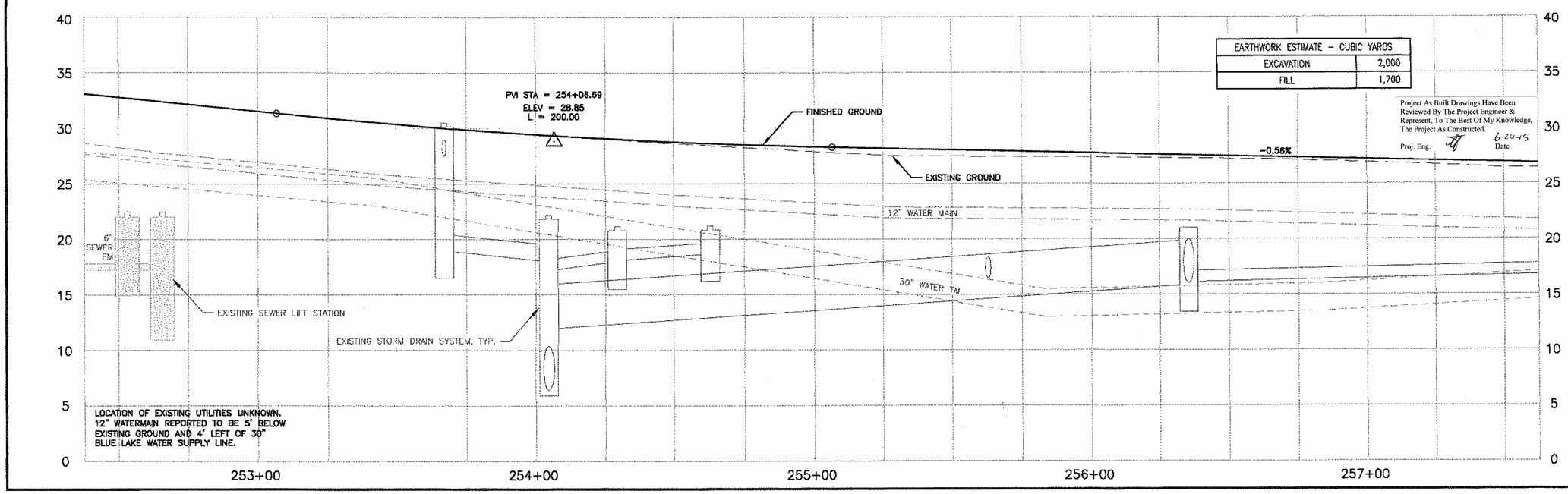
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F14	109



NOTE:
TOPOGRAPHICAL CONDITIONS AT THE SAWMILL COVE INDUSTRIAL PARK MAY DIFFER FROM THOSE SURVEYED FOR THIS PROJECT DUE TO ONGOING CONSTRUCTION. FIELD VERIFY AND MATCH EXISTING AS DIRECTED

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE - CUBIC YARDS	
EXCAVATION	2,000
FILL	1,700

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. 6-24-15 Date

LOCATION OF EXISTING UTILITIES UNKNOWN. 12" WATERMAIN REPORTED TO BE 5' BELOW EXISTING GROUND AND 4' LEFT OF 30" BLUE LAKE WATER SUPPLY LINE.

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F15

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH
CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8385 8/24/12 REGISTERED PROFESSIONAL ENGINEER

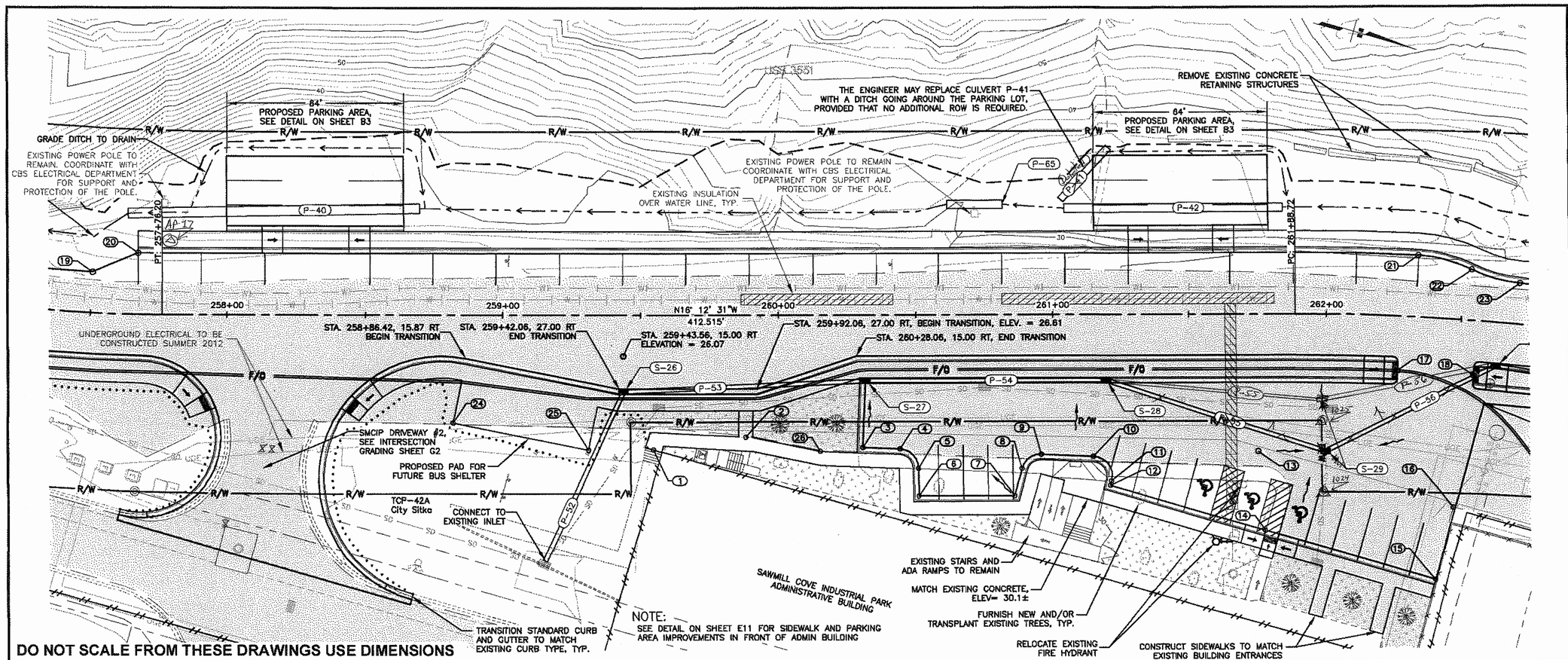
DESIGNED BY: NCL
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 252+50 TO STA. 257+50

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F15	109

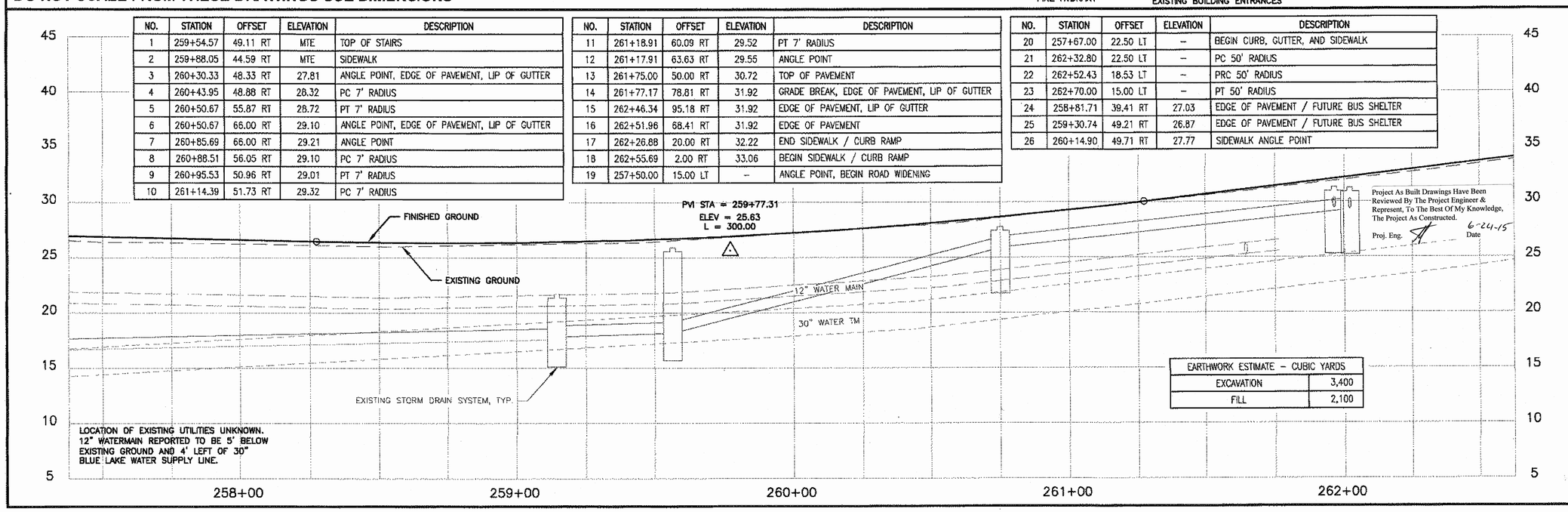


DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	259+54.57	49.11 RT	MTE	TOP OF STAIRS
2	259+88.05	44.59 RT	MTE	SIDEWALK
3	260+30.33	48.33 RT	27.81	ANGLE POINT, EDGE OF PAVEMENT, LIP OF GUTTER
4	260+43.95	48.88 RT	28.32	PC 7' RADIUS
5	260+50.67	55.87 RT	28.72	PT 7' RADIUS
6	260+50.67	66.00 RT	29.10	ANGLE POINT, EDGE OF PAVEMENT, LIP OF GUTTER
7	260+85.69	66.00 RT	29.21	ANGLE POINT
8	260+88.51	56.05 RT	29.10	PC 7' RADIUS
9	260+95.53	50.96 RT	29.01	PT 7' RADIUS
10	261+14.39	51.73 RT	29.32	PC 7' RADIUS

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
11	261+18.91	60.09 RT	29.52	PT 7' RADIUS
12	261+17.91	63.63 RT	29.55	ANGLE POINT
13	261+75.00	50.00 RT	30.72	TOP OF PAVEMENT
14	261+77.17	78.81 RT	31.92	GRADE BREAK, EDGE OF PAVEMENT, LIP OF GUTTER
15	262+46.34	95.18 RT	31.92	EDGE OF PAVEMENT, LIP OF GUTTER
16	262+51.96	68.41 RT	31.92	EDGE OF PAVEMENT
17	262+26.88	20.00 RT	32.22	END SIDEWALK / CURB RAMP
18	262+55.69	2.00 RT	33.06	BEGIN SIDEWALK / CURB RAMP
19	257+50.00	15.00 LT	–	ANGLE POINT, BEGIN ROAD WIDENING

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
20	257+67.00	22.50 LT	–	BEGIN CURB, GUTTER, AND SIDEWALK
21	262+32.80	22.50 LT	–	PC 50' RADIUS
22	262+52.43	18.53 LT	–	PRC 50' RADIUS
23	262+70.00	15.00 LT	–	PT 50' RADIUS
24	258+81.71	39.41 RT	27.03	EDGE OF PAVEMENT / FUTURE BUS SHELTER
25	259+30.74	49.21 RT	26.87	EDGE OF PAVEMENT / FUTURE BUS SHELTER
26	260+14.90	49.71 RT	27.77	SIDEWALK ANGLE POINT



LOCATION OF EXISTING UTILITIES UNKNOWN. 12" WATERMAIN REPORTED TO BE 5' BELOW EXISTING GROUND AND 4' LEFT OF 30" BLUE LAKE WATER SUPPLY LINE.

EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	3,400
FILL	2,100

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F16

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
SAWMILL CREEK ROAD UPGRADE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 8/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

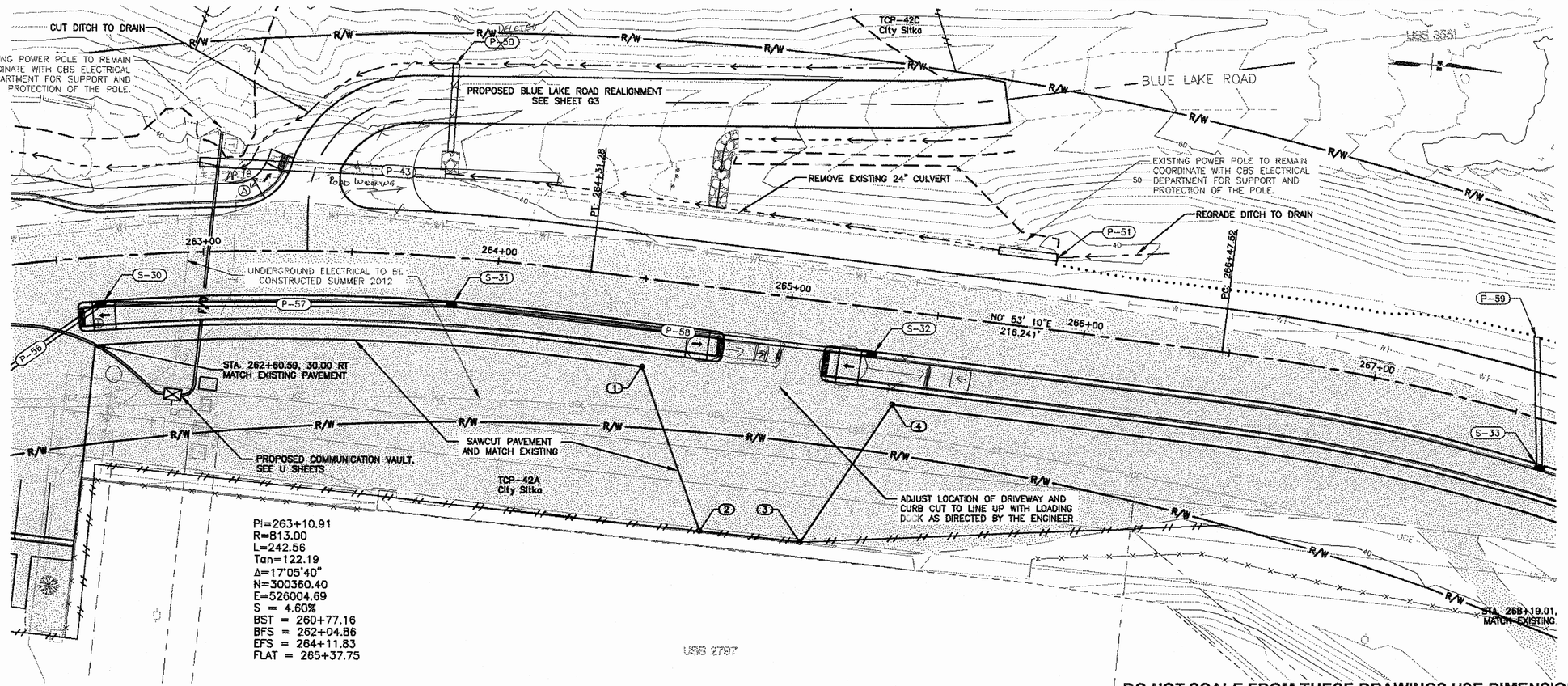
ROADWAY PLAN & PROFILE STA. 257+50 TO STA. 262+50

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

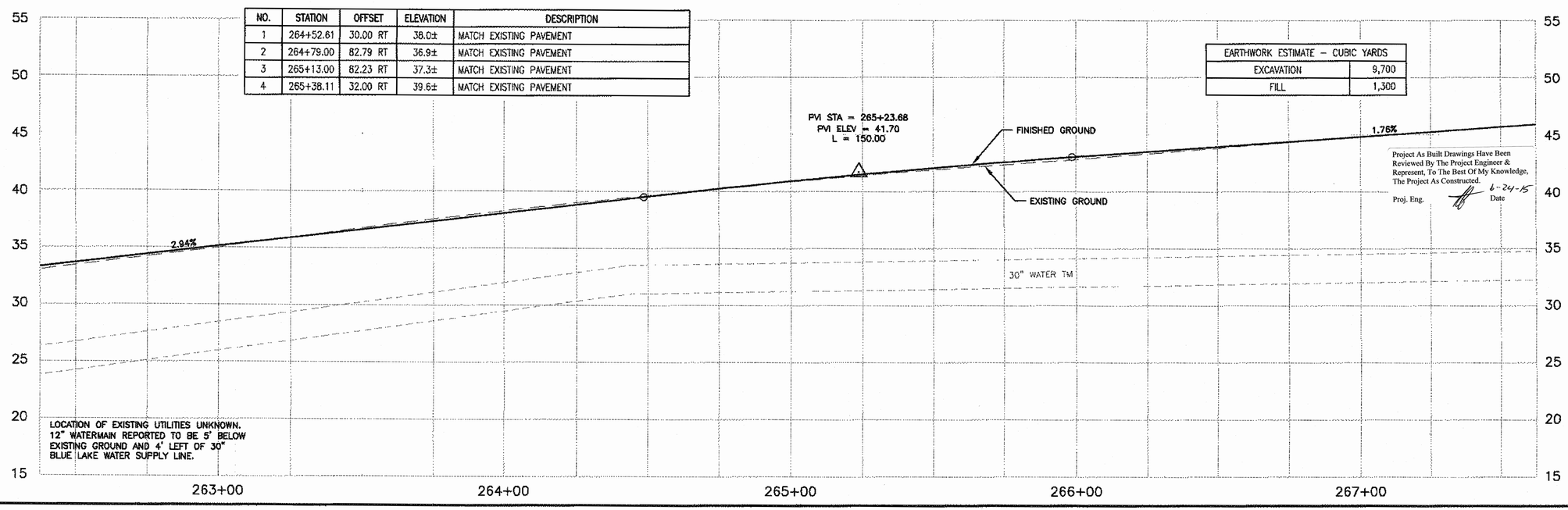
SHEET NUMBER	TOTAL SHEETS
F16	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	264+52.61	30.00 RT	38.0±	MATCH EXISTING PAVEMENT
2	264+79.00	82.79 RT	36.9±	MATCH EXISTING PAVEMENT
3	265+13.00	82.23 RT	37.3±	MATCH EXISTING PAVEMENT
4	265+38.11	32.00 RT	39.6±	MATCH EXISTING PAVEMENT

EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	9,700
FILL	1,300



LOCATION OF EXISTING UTILITIES UNKNOWN. 12" WATERMAIN REPORTED TO BE 5' BELOW EXISTING GROUND AND 4' LEFT OF 30" BLUE LAKE WATER SUPPLY LINE.

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. Date 6-24-15

PATH: \\JNU\FILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F17

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 9/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

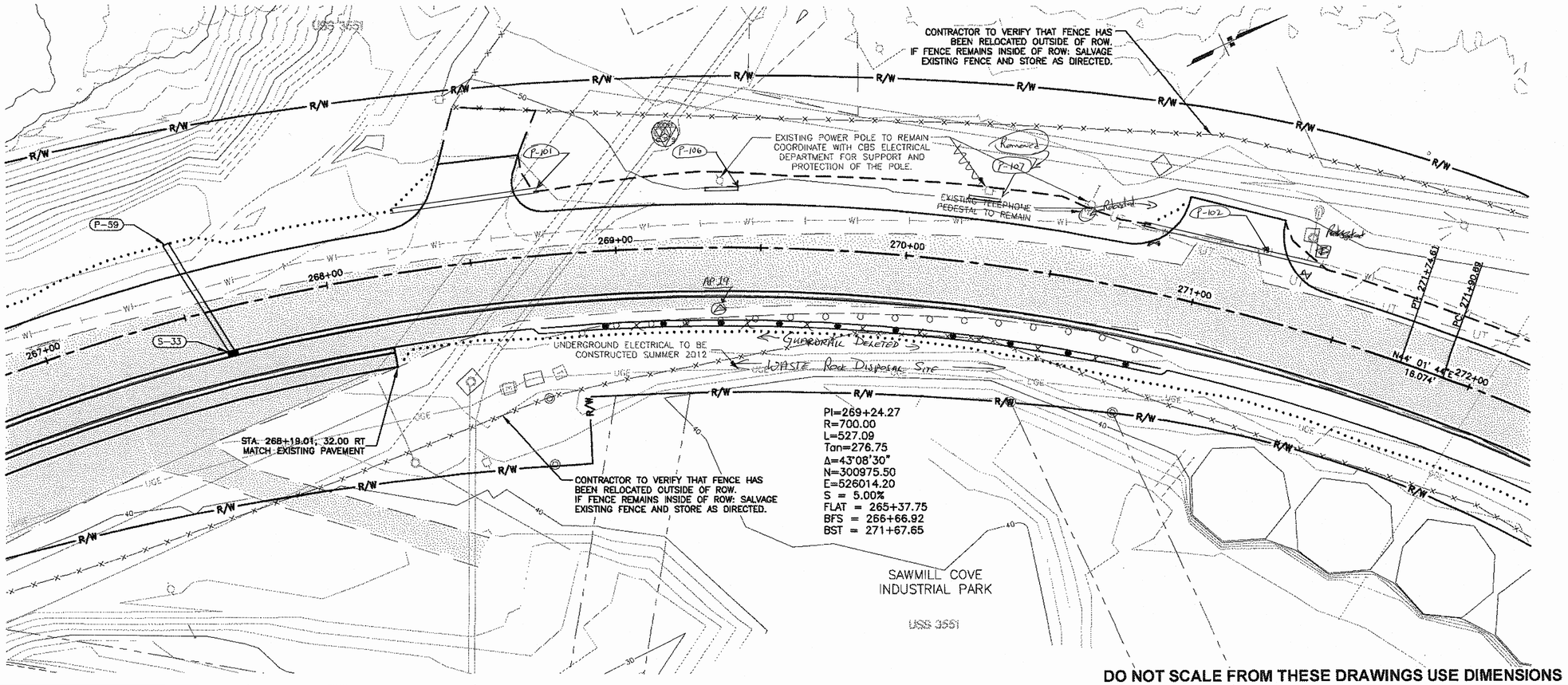
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE
STA. 262+50 TO
STA. 267+50

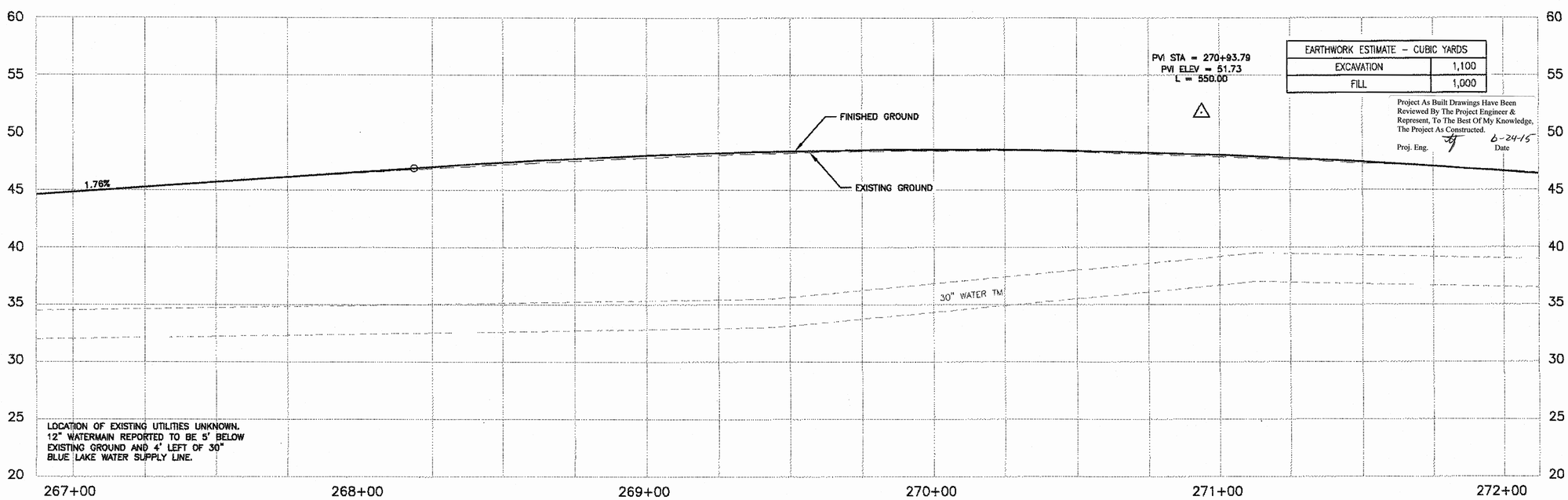
PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F17	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	1,100
FILL	1,000

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\UNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F18

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SAWMILL CREEK ROAD UPGRADE

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Legh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

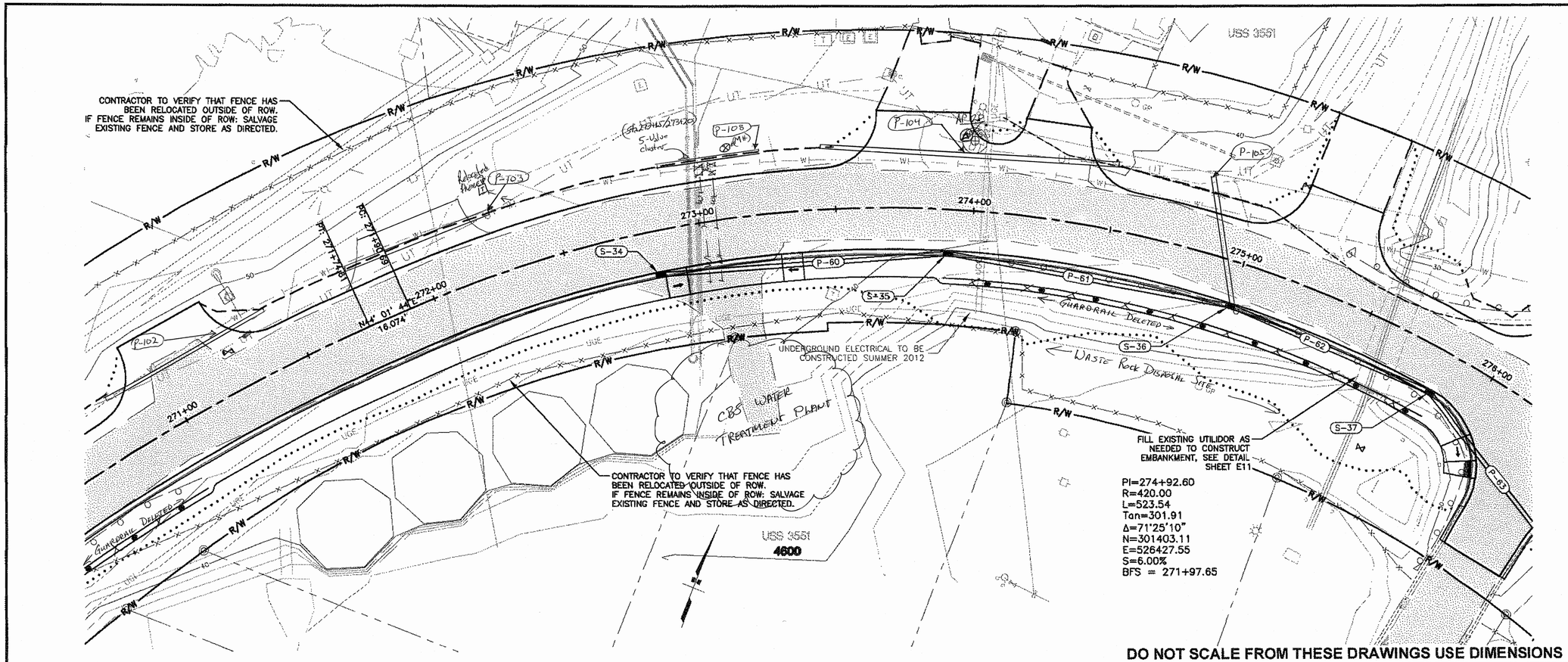
ROADWAY PLAN & PROFILE STA. 267+50 TO STA. 272+00

PROJECT DESIGNATION

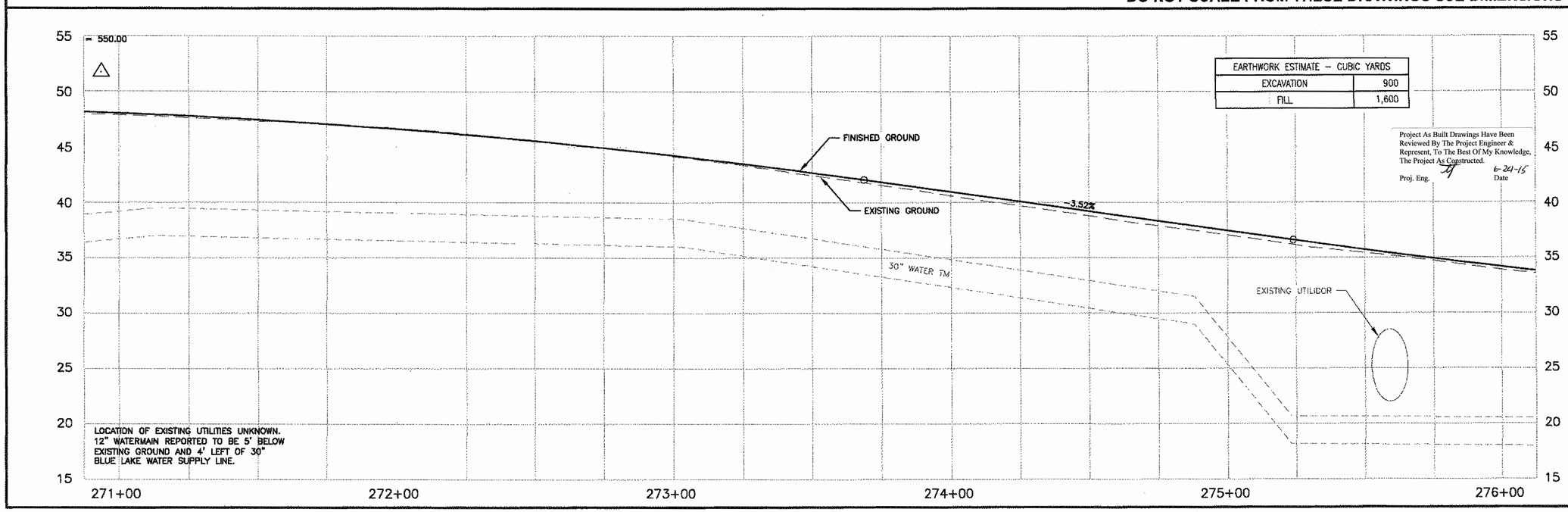
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F18	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



EARTHWORK ESTIMATE – CUBIC YARDS	
EXCAVATION	900
FILL	1,600

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\F01-F20

TAB: F19

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
SAWMILL CREEK ROAD UPGRADE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 01/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

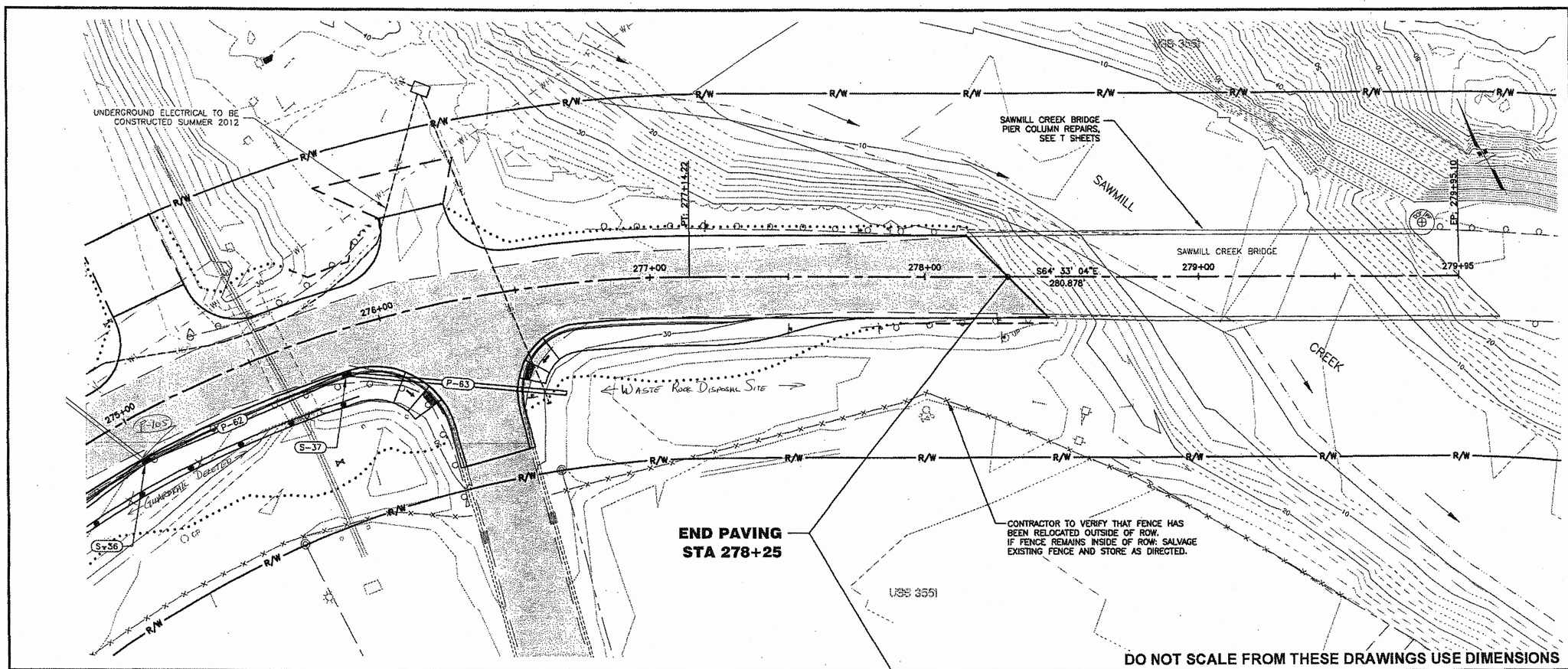
ROADWAY PLAN & PROFILE STA. 272+00 TO STA. 276+00

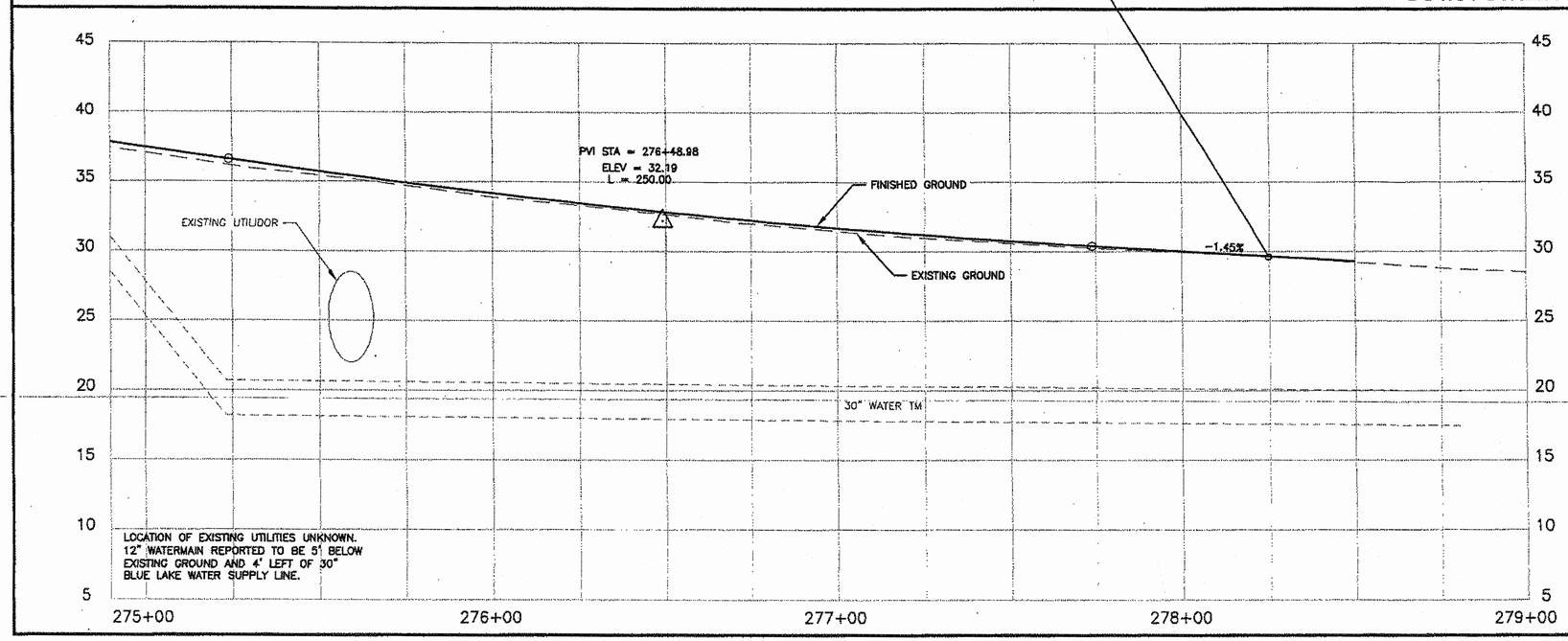
PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
F19	109





EARTHWORK ESTIMATE - CUBIC YARDS	
EXCAVATION	600
FILL	700

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: I:\1153805\DWGS\C\SHEETS\F01-F20.DWG

Wednesday, August 22, 2012 8:32:37 AM

TAB: F20

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ROADWAY PLAN & PROFILE

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA
Nathan C. Lynch
CE-8386
6-24-12
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

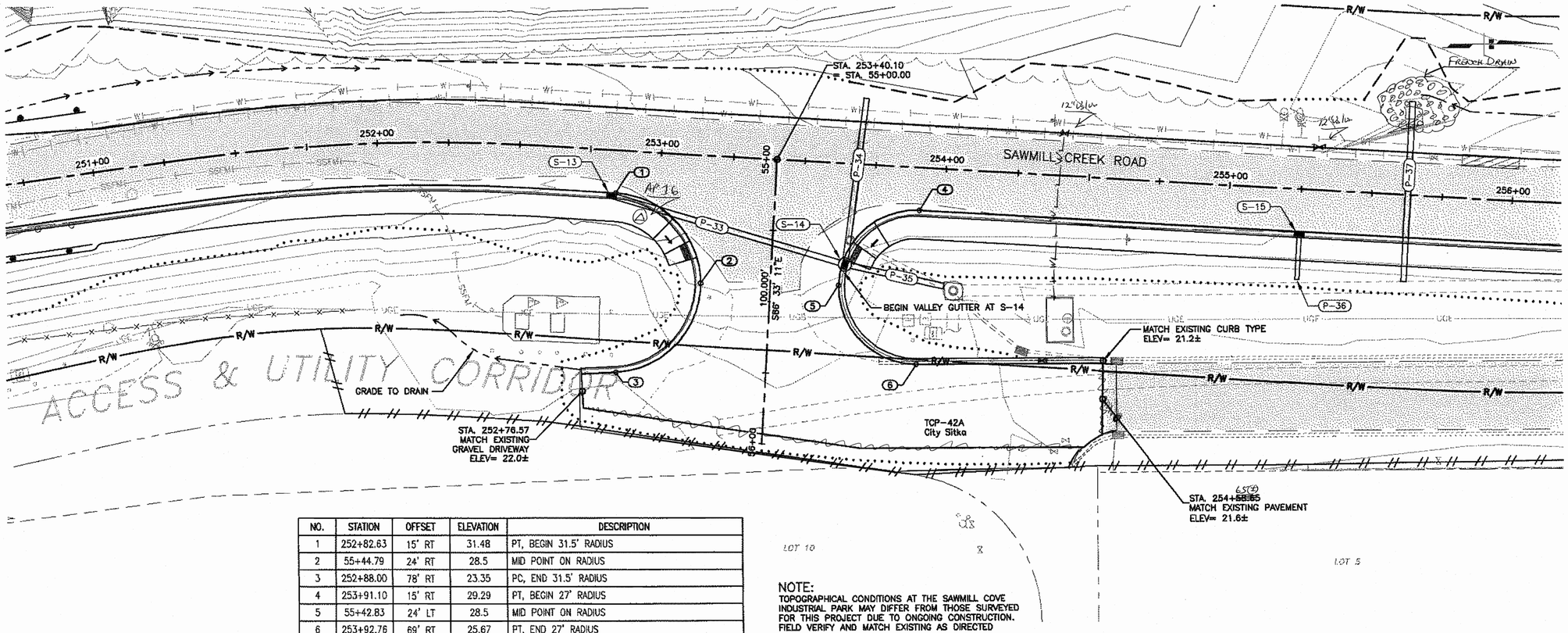
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ROADWAY PLAN & PROFILE STA. 276+00 TO STA. EOP

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

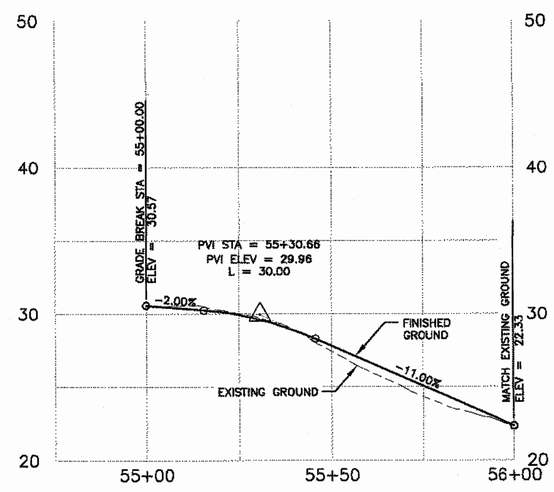
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
F20	109



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	252+82.63	15' RT	31.48	PT, BEGIN 31.5' RADIUS
2	55+44.79	24' RT	28.5	MID POINT ON RADIUS
3	252+88.00	78' RT	23.35	PC, END 31.5' RADIUS
4	253+91.10	15' RT	29.29	PT, BEGIN 27' RADIUS
5	55+42.83	24' LT	28.5	MID POINT ON RADIUS
6	253+92.76	69' RT	25.67	PT, END 27' RADIUS

NOTE:
TOPOGRAPHICAL CONDITIONS AT THE SAWMILL COVE INDUSTRIAL PARK MAY DIFFER FROM THOSE SURVEYED FOR THIS PROJECT DUE TO ONGOING CONSTRUCTION. FIELD VERIFY AND MATCH EXISTING AS DIRECTED

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

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TAB: G01

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

INTERSECTION GRADING SMCIP DRIVEWAY #1

PREPARED BY: USKH

CHECKED BY:

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 5/21/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY:

DRAWN BY:

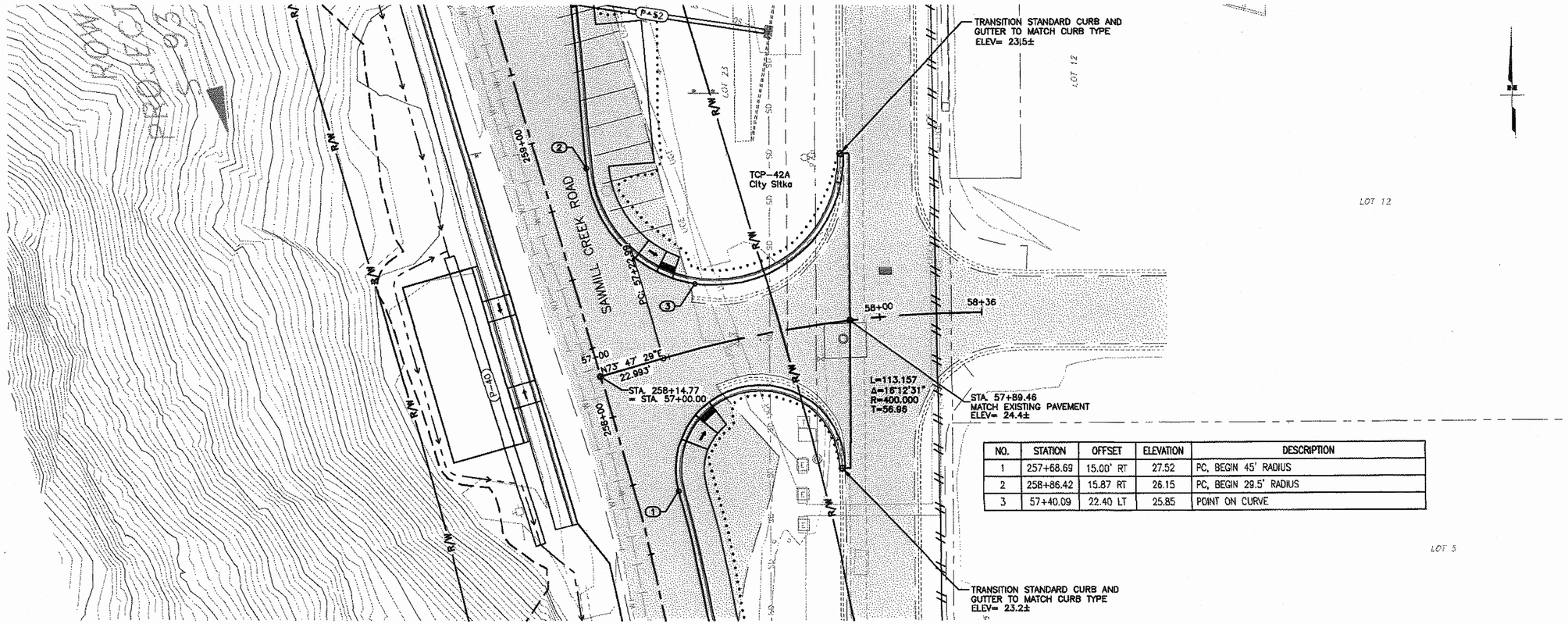
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

INTERSECTION GRADING SMCIP DRIVEWAY #1

PROJECT DESIGNATION

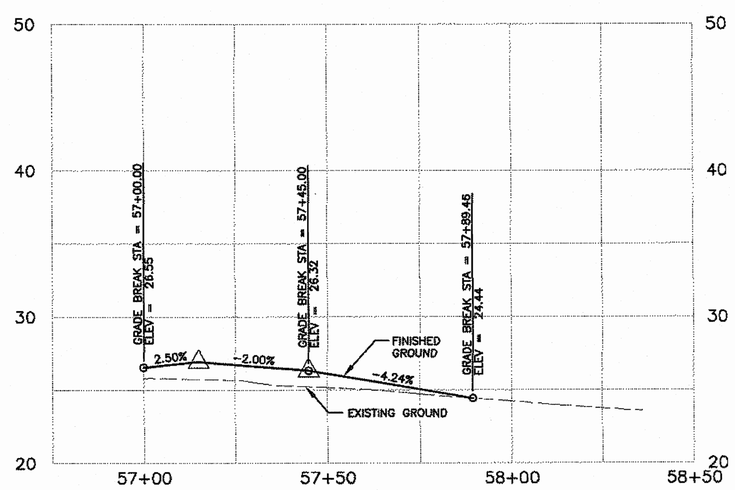
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
G1	109



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	257+68.69	15.00' RT	27.52	PC, BEGIN 45' RADIUS
2	258+86.42	15.87 RT	26.15	PC, BEGIN 29.5' RADIUS
3	57+40.09	22.40 LT	25.85	POINT ON CURVE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\G SHEETS.DWG

TAB: G02

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

INTRESECTION GRADING SMCIP DRIVEWAY #2

PREPARED BY: USKH

CHECKED BY:

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/26/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY:

DRAWN BY:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

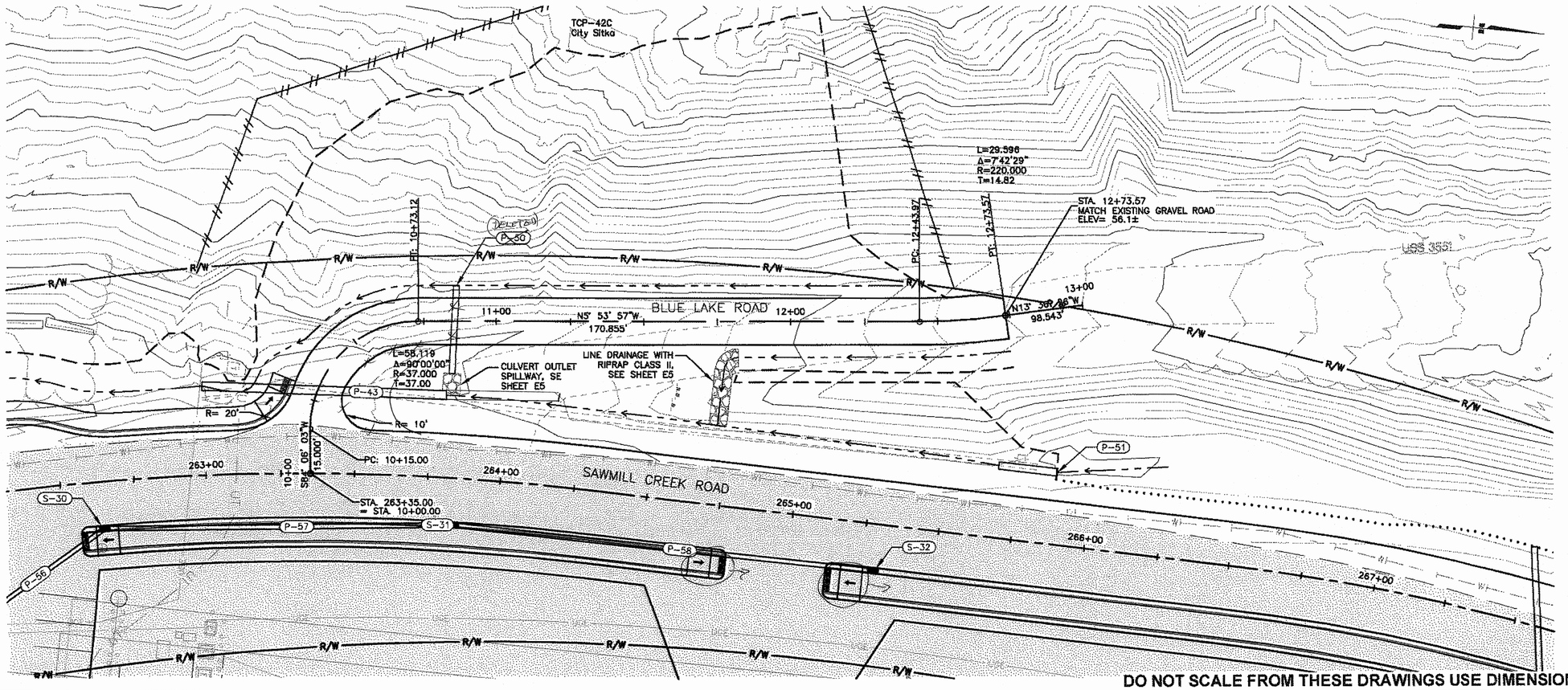
INTRESECTION GRADING SMCIP DRIVEWAY #2

PROJECT DESIGNATION

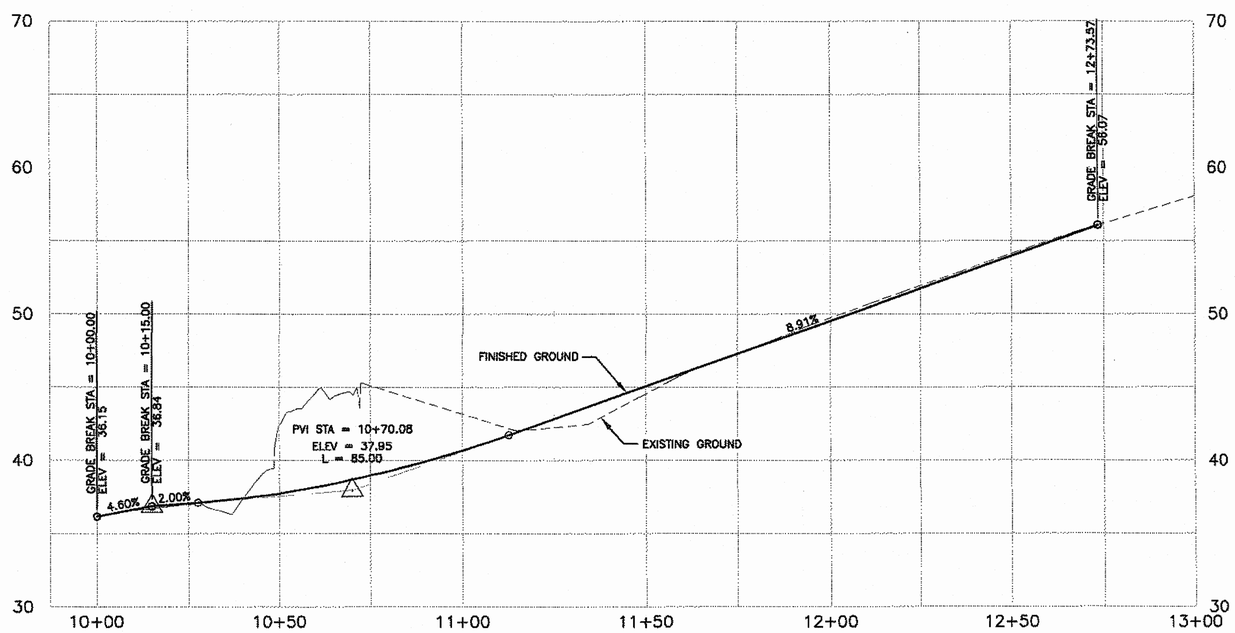
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
G2	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. Date 6-24-15

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TAB: G03

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

INTERSECTION GRADING BLUE LAKE ROAD

PREPARED BY: USKH

CHECKED BY:

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY:

DRAWN BY:

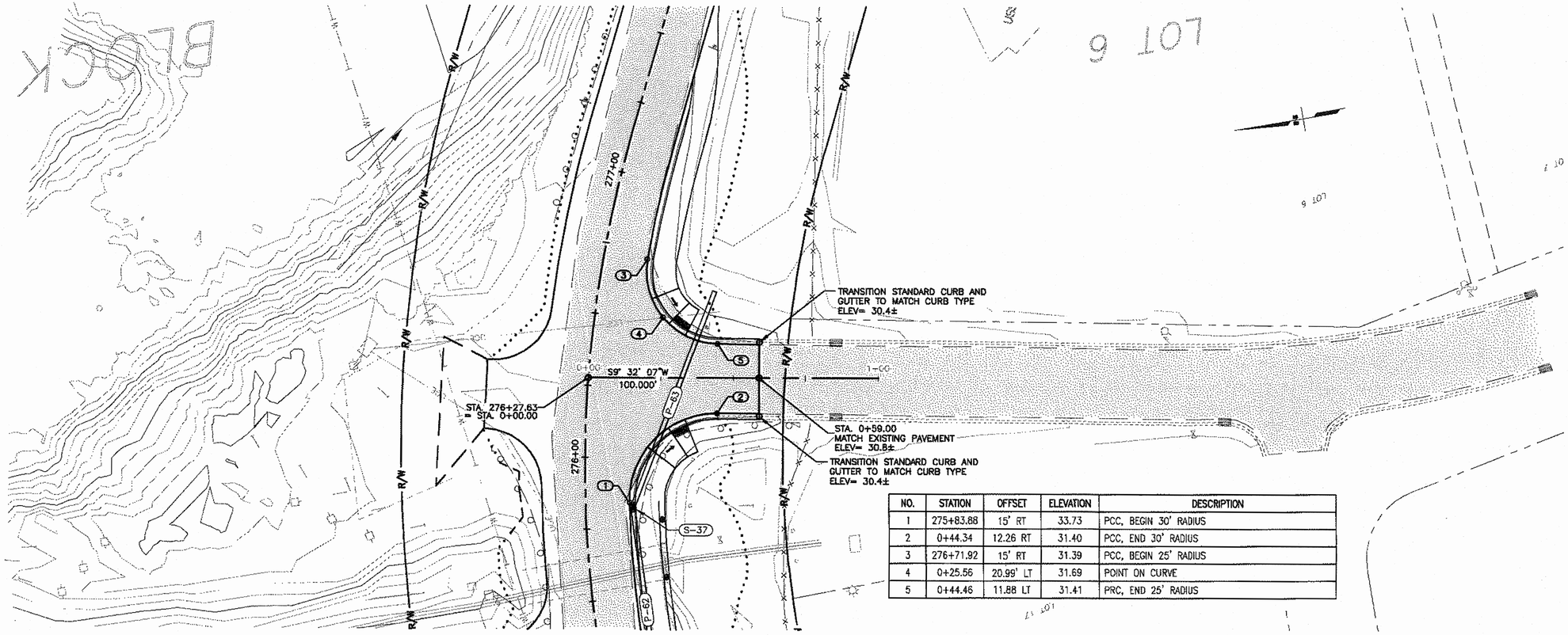
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

INTERSECTION GRADING BLUE LAKE ROAD

PROJECT DESIGNATION

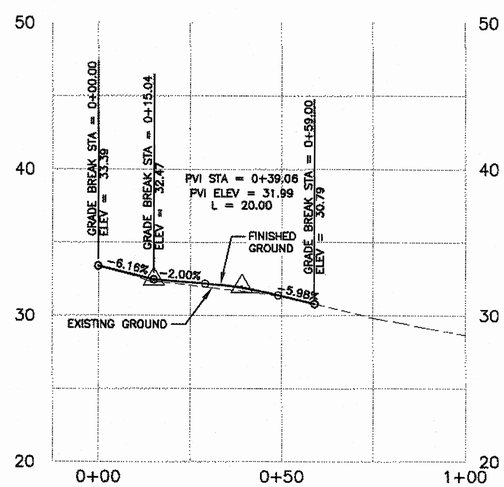
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
G3	109



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	275+83.88	15' RT	33.73	PCC, BEGIN 30' RADIUS
2	0+44.34	12.26 RT	31.40	PCC, END 30' RADIUS
3	276+71.92	15' RT	31.39	PCC, BEGIN 25' RADIUS
4	0+25.56	20.99' LT	31.69	POINT ON CURVE
5	0+44.46	11.88 LT	31.41	PRC, END 25' RADIUS

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: I:\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\G SHEETS.DWG

TAB: G04

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

INTERSECTION GRADING SMCIP DRIVEWAY #3

PREPARED BY: USKH

CHECKED BY:

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/15 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY:

DRAWN BY:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

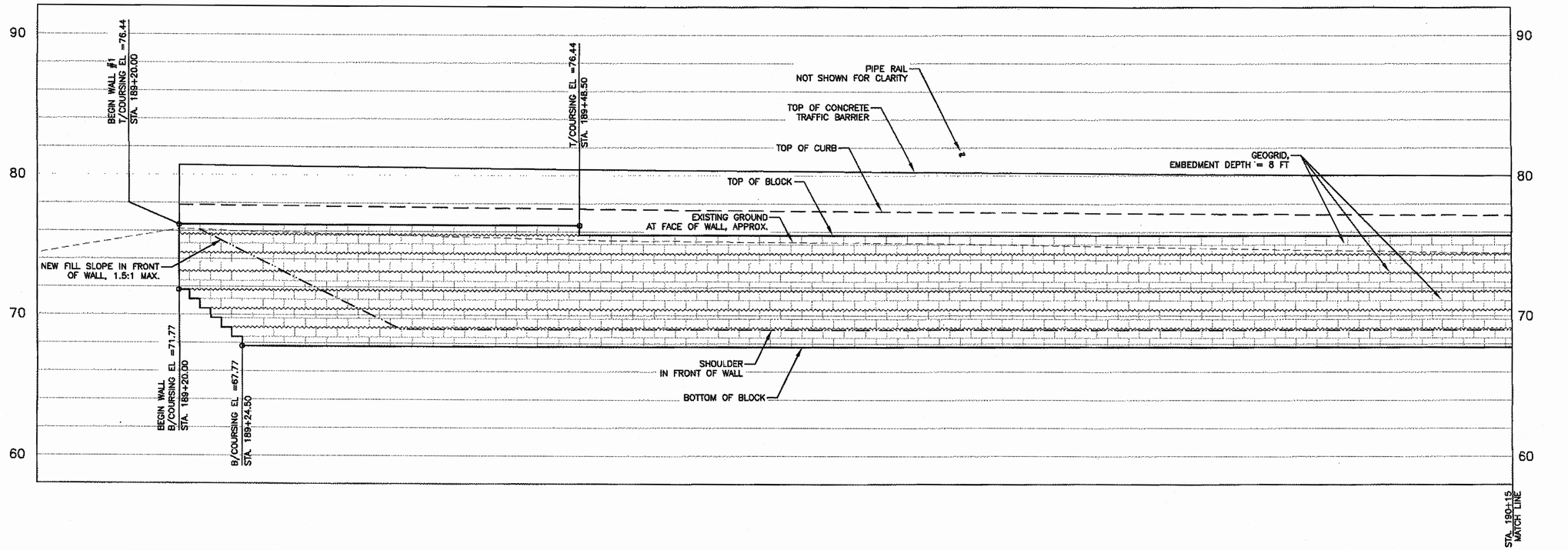
INTERSECTION GRADING SMCIP DRIVEWAY #3

PROJECT DESIGNATION

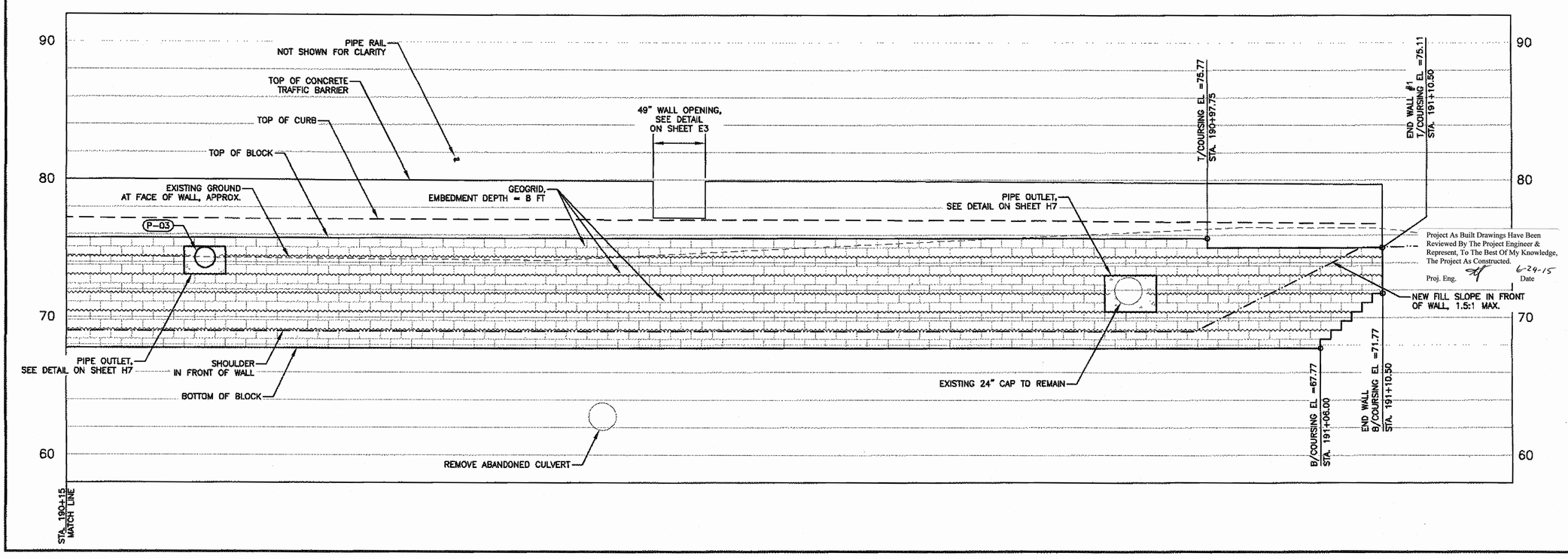
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
G4	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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TAB: H01

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

RETAINING WALL DETAILS

PREPARED BY: USKH

CHECKED BY: BH

STATE OF ALASKA
49TH
Bruce E. Hopper
CE-7745
8/24/12
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

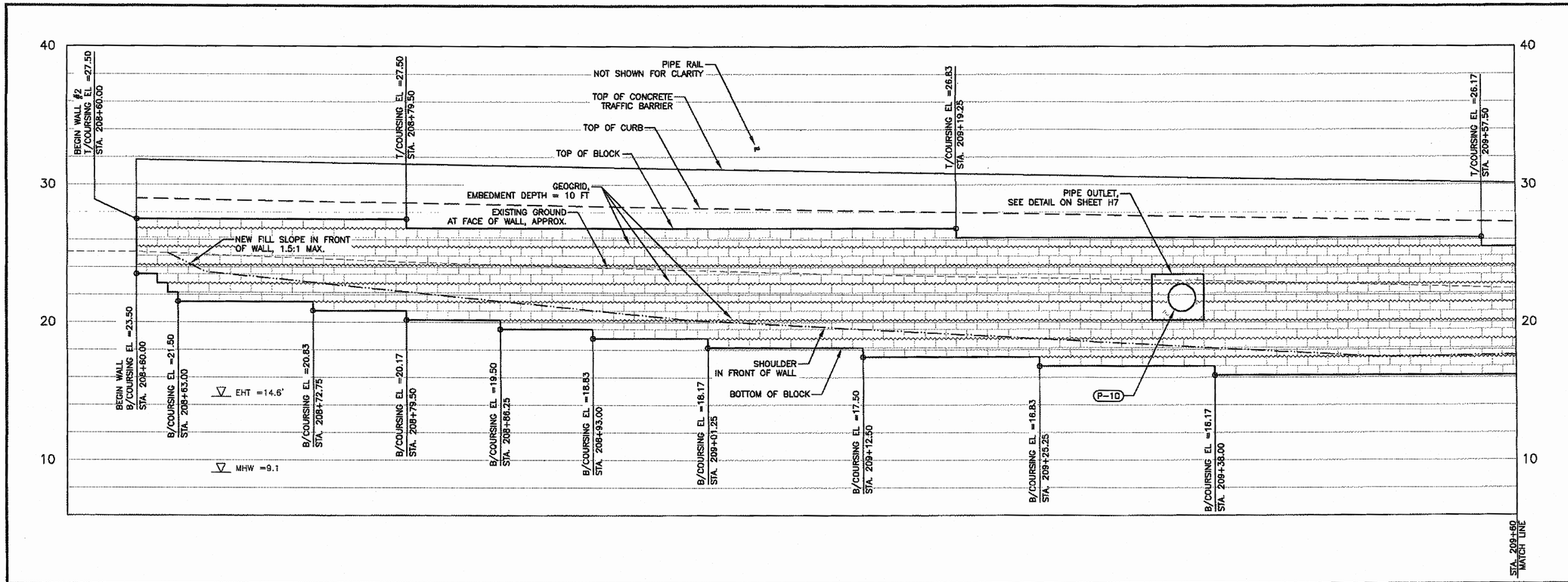
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

RETAINING WALL DETAILS

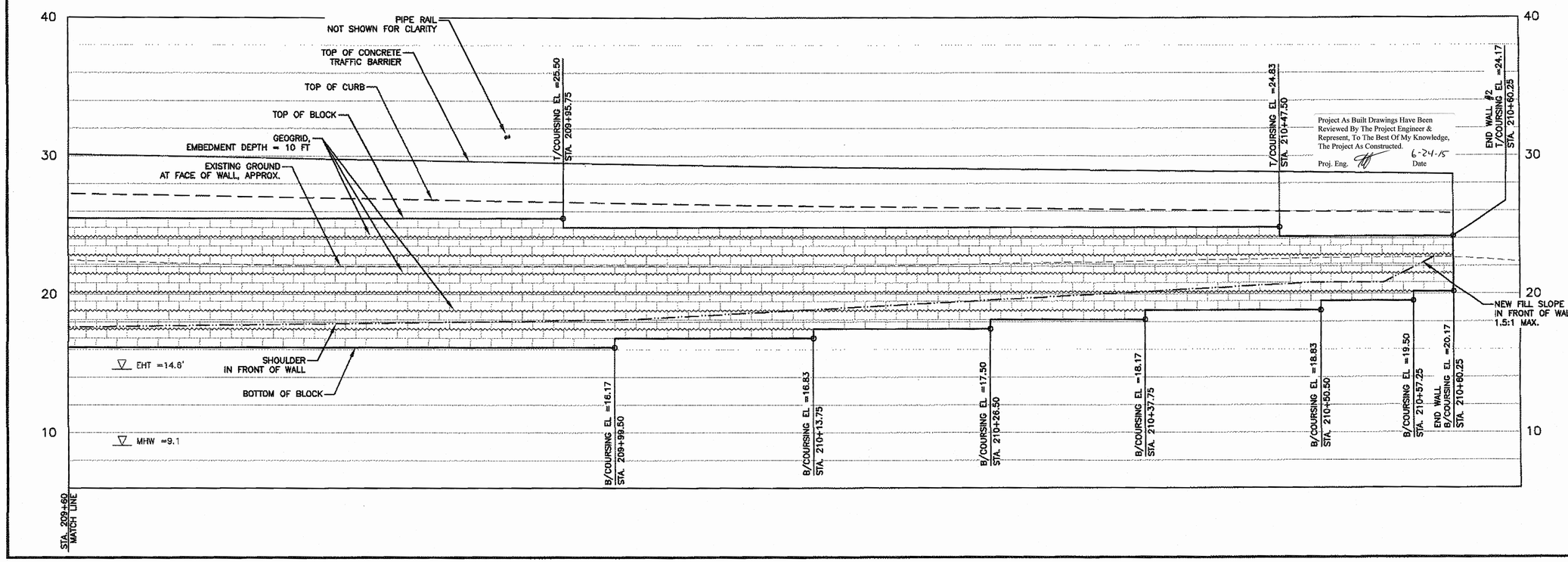
PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
H1	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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TAB: H02

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

RETAINING WALL DETAILS

PREPARED BY: USKH

CHECKED BY: BH

STATE OF ALASKA
49TH
Bruce E. Hopper
CE-7745
3/24/12
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

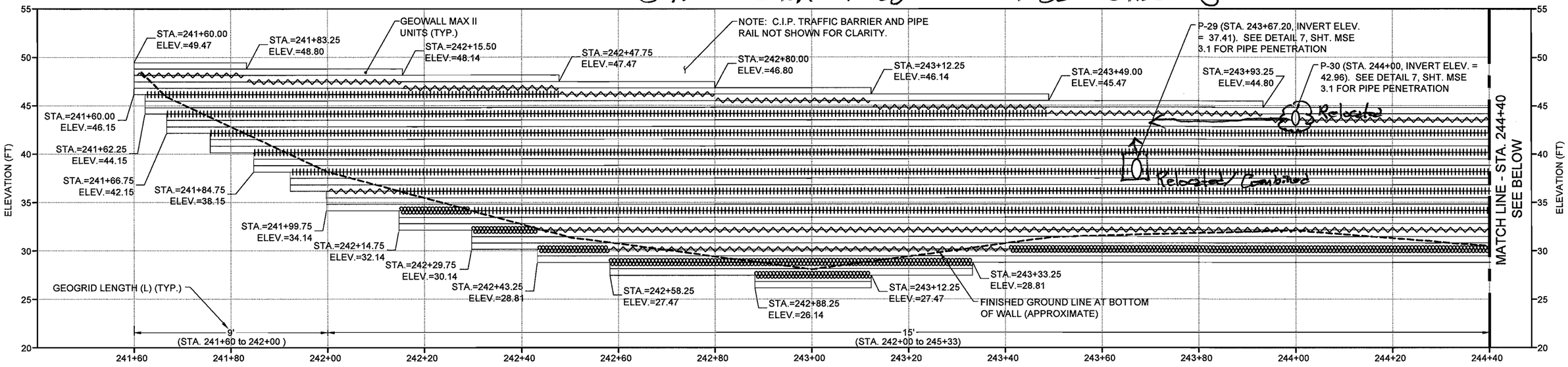
RETAINING WALL DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

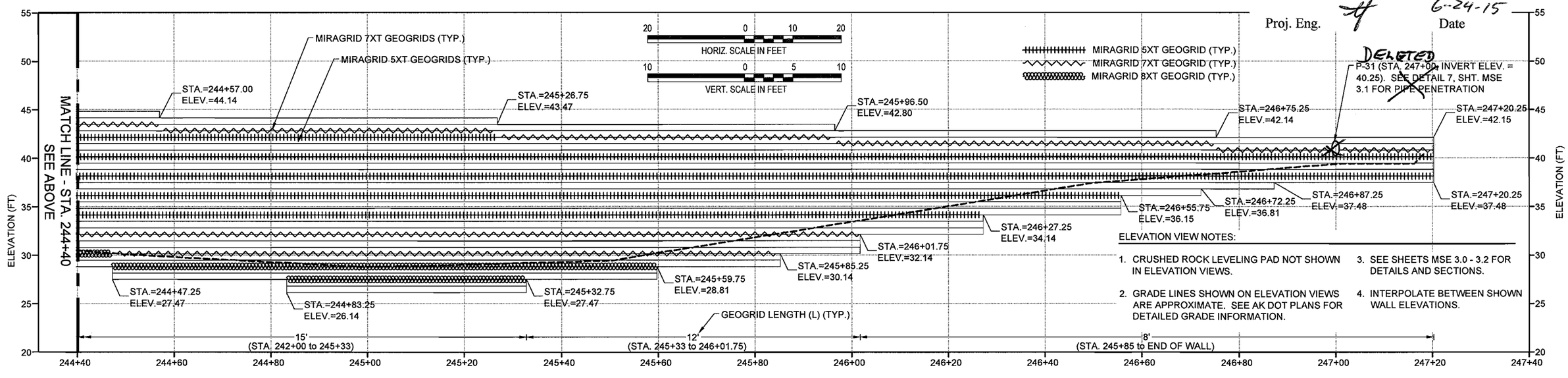
SHEET NUMBER	TOTAL SHEETS
H2	109

SHOP DRAWINGS – MSE WALL #3



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date



ELEVATION VIEW NOTES:

1. CRUSHED ROCK LEVELING PAD NOT SHOWN IN ELEVATION VIEWS.
2. GRADE LINES SHOWN ON ELEVATION VIEWS ARE APPROXIMATE. SEE AK DOT PLANS FOR DETAILED GRADE INFORMATION.
3. SEE SHEETS MSE 3.0 - 3.2 FOR DETAILS AND SECTIONS.
4. INTERPOLATE BETWEEN SHOWN WALL ELEVATIONS.

1 / - WALL #3 ELEVATION VIEW (FRONT FACE OF WALL)

C:\Users\ZGA\Projects\1051-1100\1090.01 Sawmill (SITKA) Creek Road SEW\Working Folder\Drawings\Wall Design (Working).dwg

SUBMITTAL RECORD

NO.	DATE	BY	DESCRIPTION
-	4/16/13	RAR	INITIAL SUBMITTAL

DESIGNED:	RAR
DRAWN:	RAR
CHECKED:	TAJ
SCALE:	AS NOTED
DATE:	04/16/13
PRJCT. NO.	1090.01
PLOT DATE:	4/16/13
LAST EDIT:	Base Station

STATE OF ALASKA 49TH THOMAS A. JONES No. CE13004 4/16/13 REGISTERED PROFESSIONAL ENGINEER

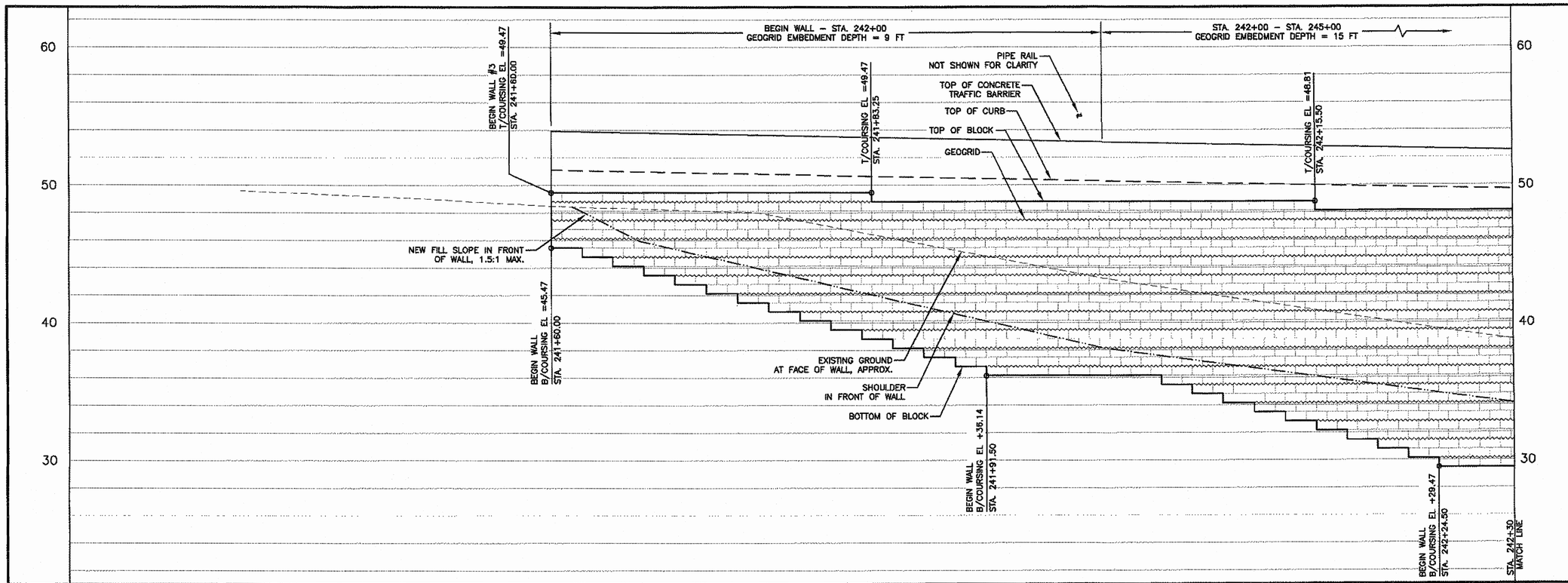
ZGA Zipper Geo Associates, LLC
Geotechnical and Environmental Consultants
19023 36th Avenue West, Suite D | Lynnwood, WA 98036
PH: (425) 582-9928 | Fax: (425) 582-9930 | www.zippergeo.com

SAWMILL CREEK ROAD UPGRADE PHASE III
MECHANICALLY STABILIZED EARTH WALLS
(AKDOT 68216/MSG-STP-0933(21)

MSE WALLS – ELEVATION VIEWS

DRAWING MSE 2.1

SHEET 3 OF 7



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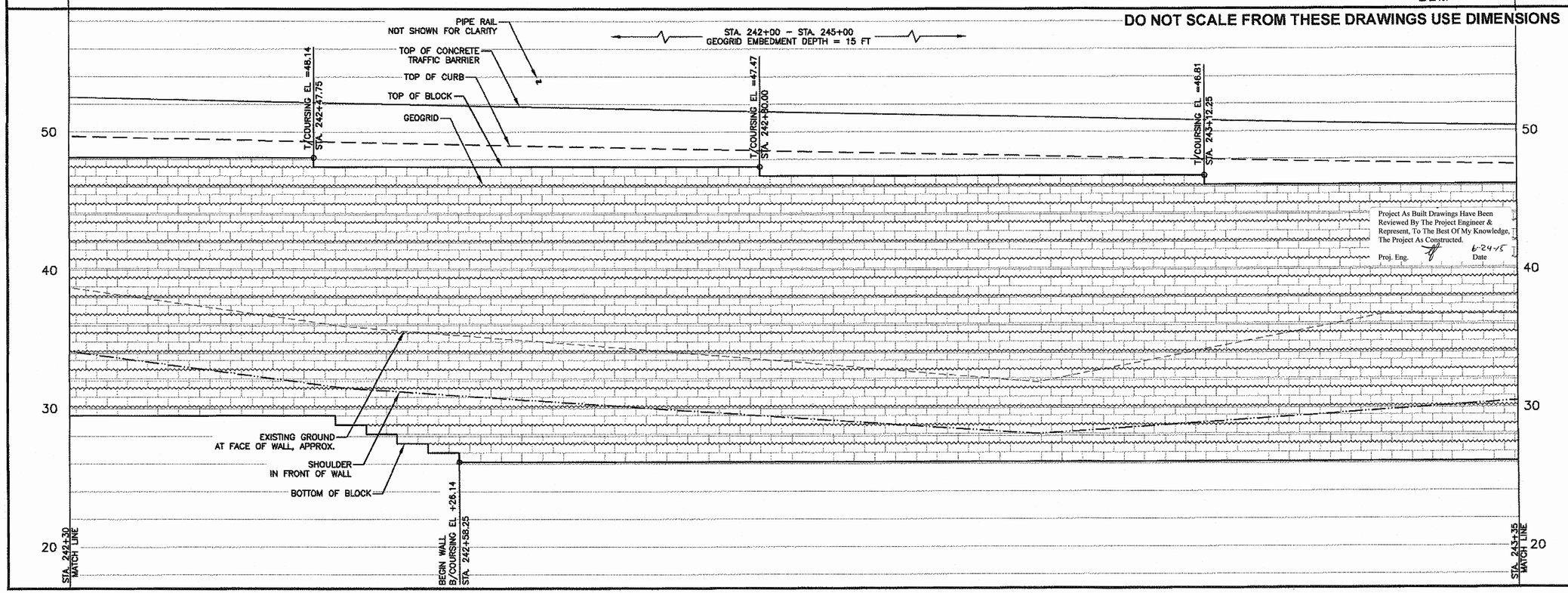


Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\H01-H05

TAB: H03

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

RETAINING WALL DETAILS

PREPARED BY: USKH

CHECKED BY: BH

STATE OF ALASKA 49TH Bruce E. Hopper CE-7745 8/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

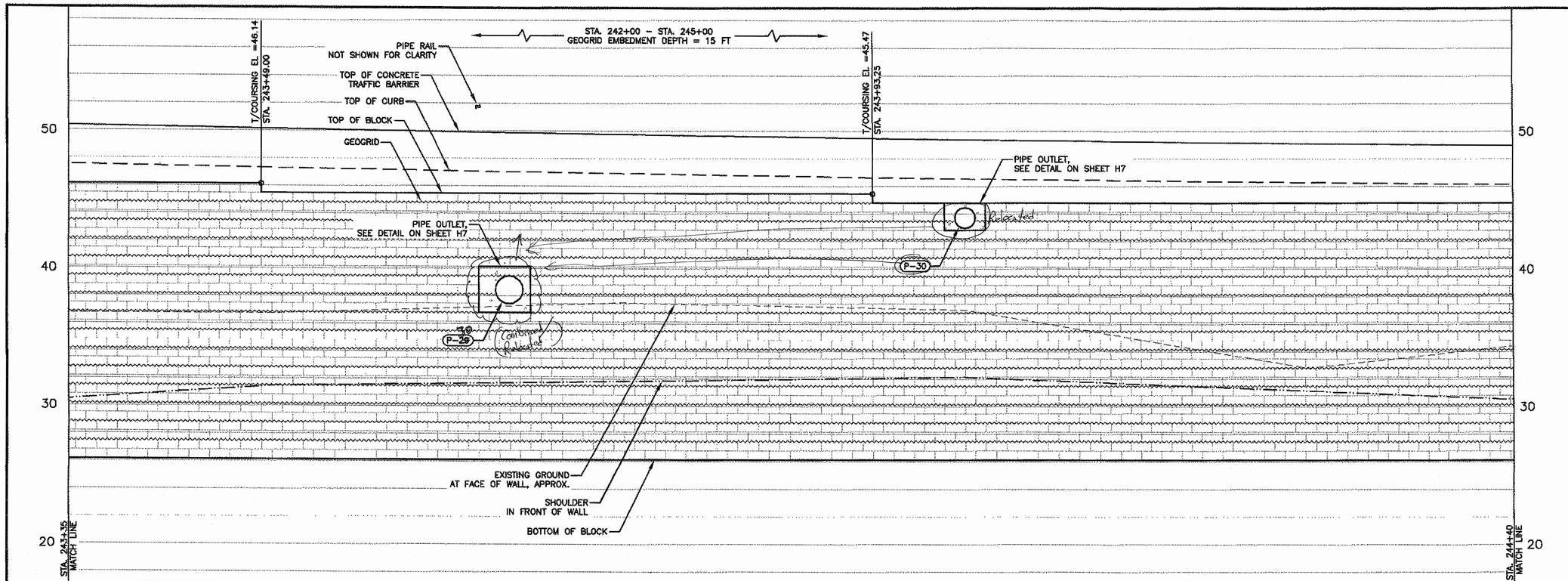
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

RETAINING WALL DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
H3	109



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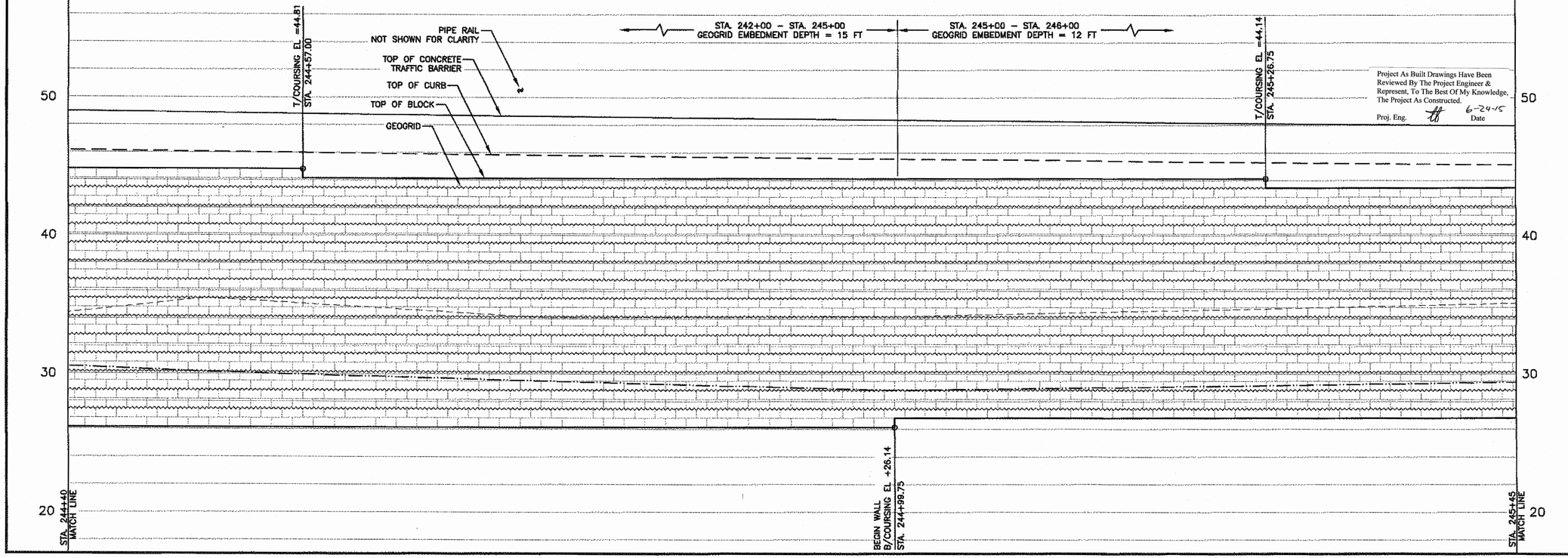

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

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TAB: H04

ADDENDUM NUMBER

ATTACHMENT NUMBER

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PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

RETAINING WALL DETAILS

PREPARED BY: USKH

CHECKED BY: BH

STATE OF ALASKA
49TH
Bruce E. Hopper
CE-7745
6/24/15
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

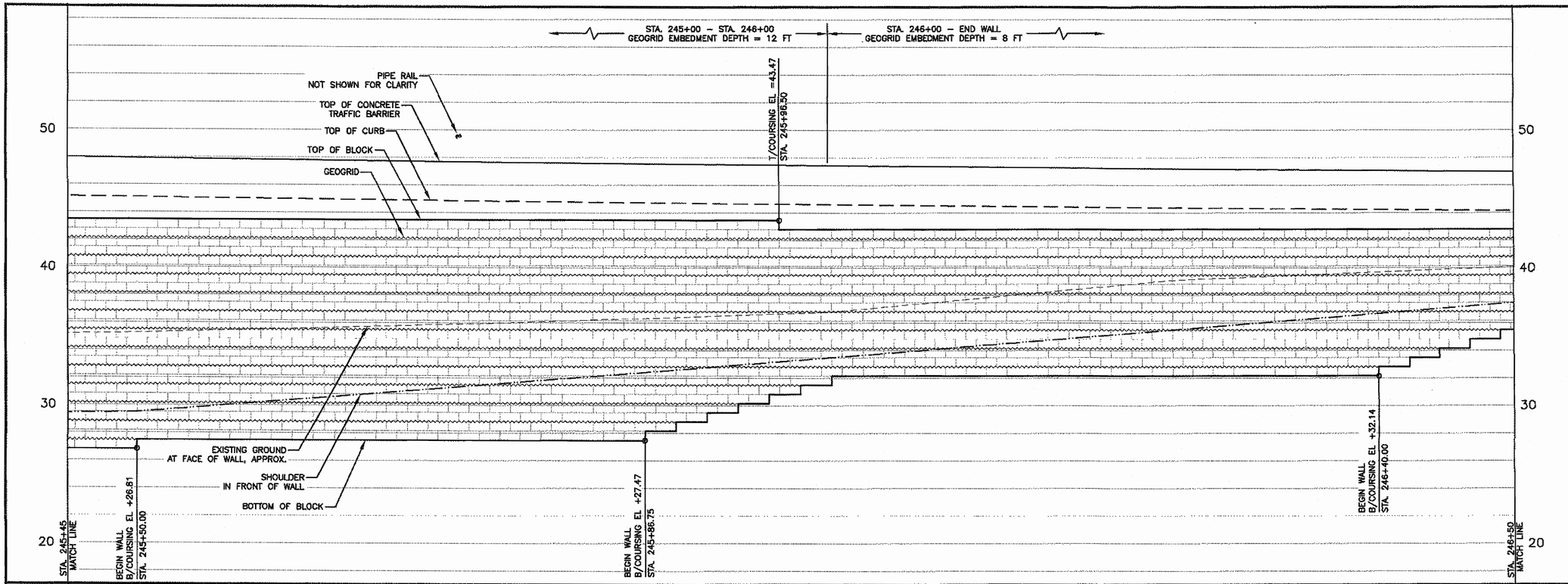
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

RETAINING WALL DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
H4	109



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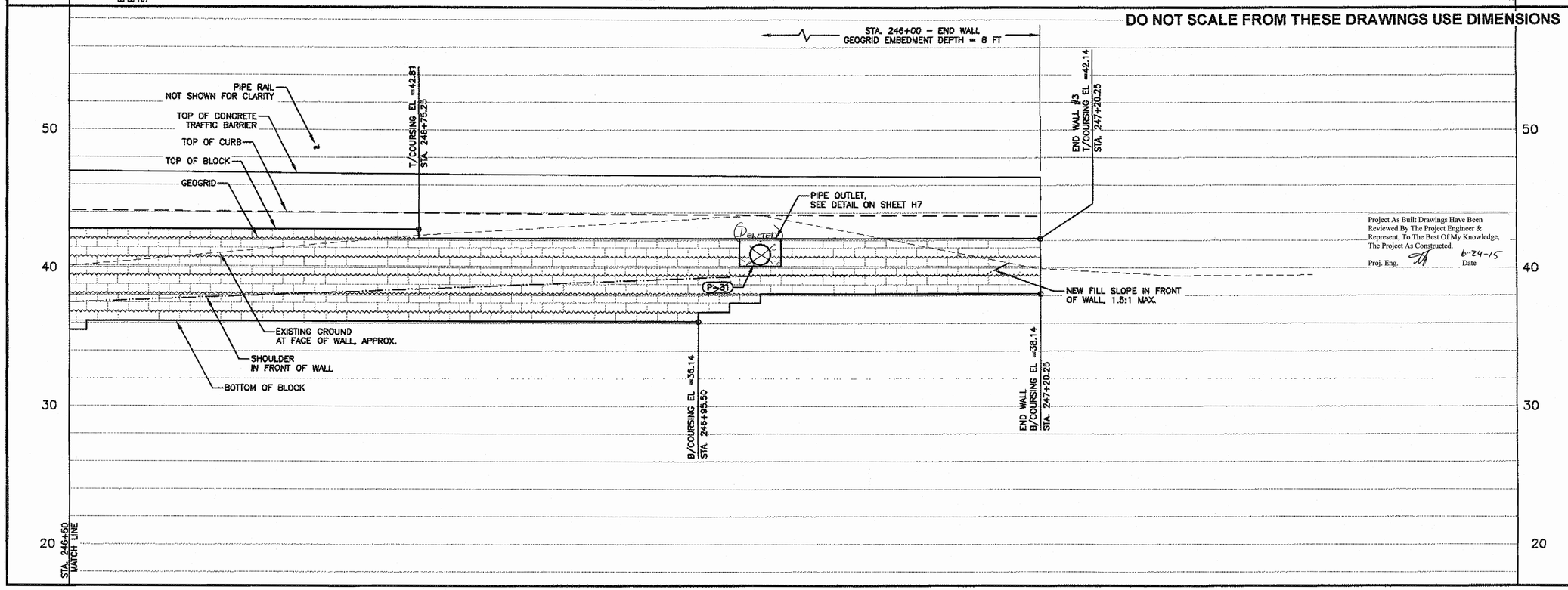

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

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TAB: H05

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

RETAINING WALL DETAILS

PREPARED BY: USKH

CHECKED BY: BH

STATE OF ALASKA
Bruce E. Hopper
CE-7745
6/24/12
REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

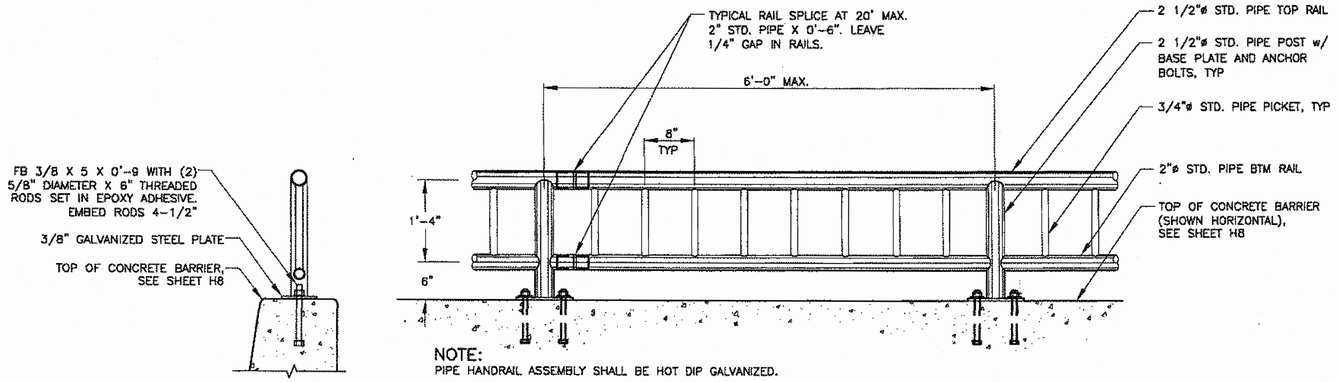
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

RETAINING WALL DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

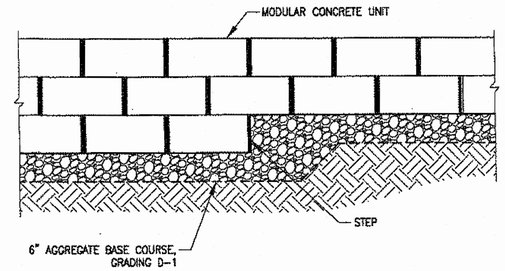
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
H5	109

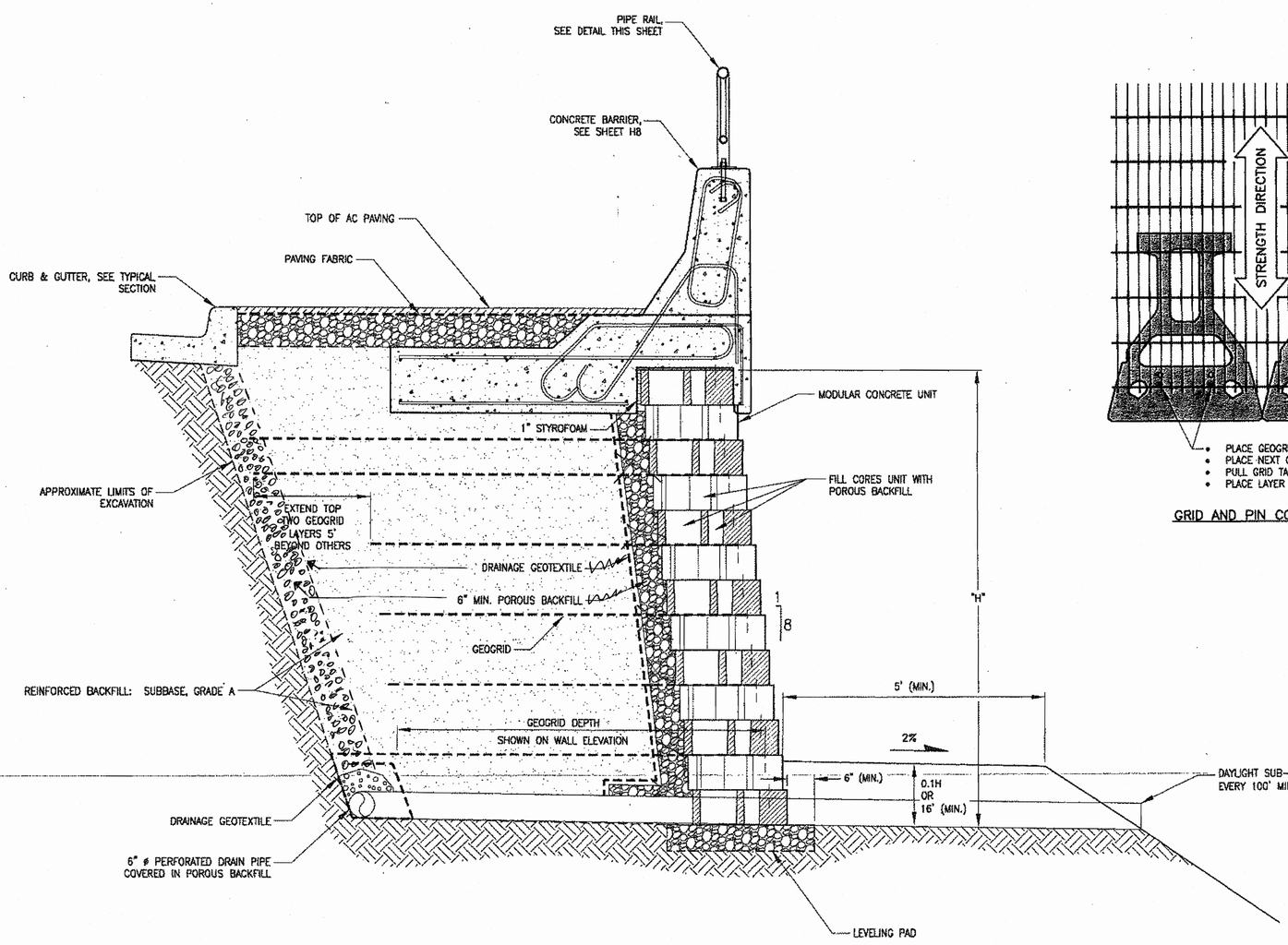


NOTE:
PIPE HANDRAIL ASSEMBLY SHALL BE HOT DIP GALVANIZED.

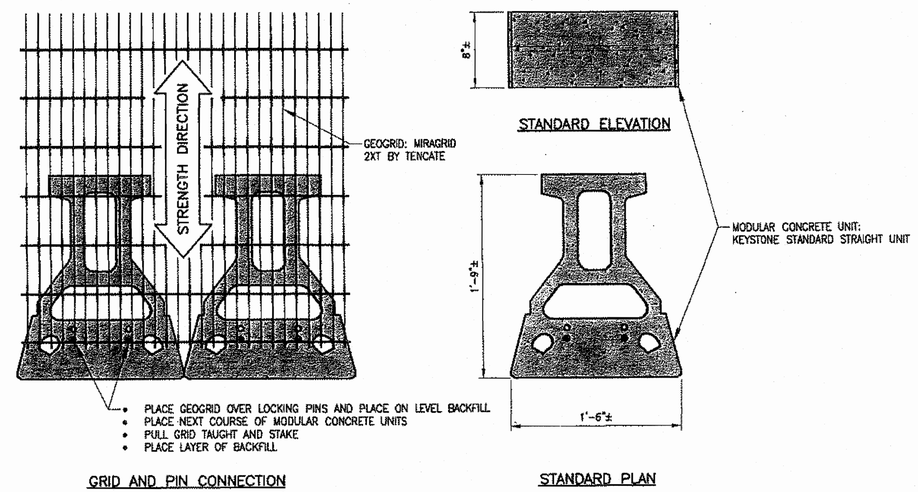
TYPICAL PIPE RAIL ELEVATION



LEVELING PAD DETAIL



TYPICAL MECHANICALLY STABILIZED EARTH (MSE) WALL SECTION



STANDARD UNIT PLAN & LAYOUT

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. 6-24-15 Date

NOTE:
THE BASIS OF DESIGN FOR THE MECHANICALLY STABILIZED EARTH WALL IS A MODULAR BLOCK FACE WALL SYSTEM BY KEYSTONE RETAINING WALL SYSTEMS. SEE SPECIFICATION SECTION 511 FOR SUBMITTING ON OTHER MSE WALL SYSTEMS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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TAB: H6

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

RETAINING WALL DETAILS

PREPARED BY: USKH

CHECKED BY: BH

STATE OF ALASKA 49TH Bruce E. Hopper CE-7745 8/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

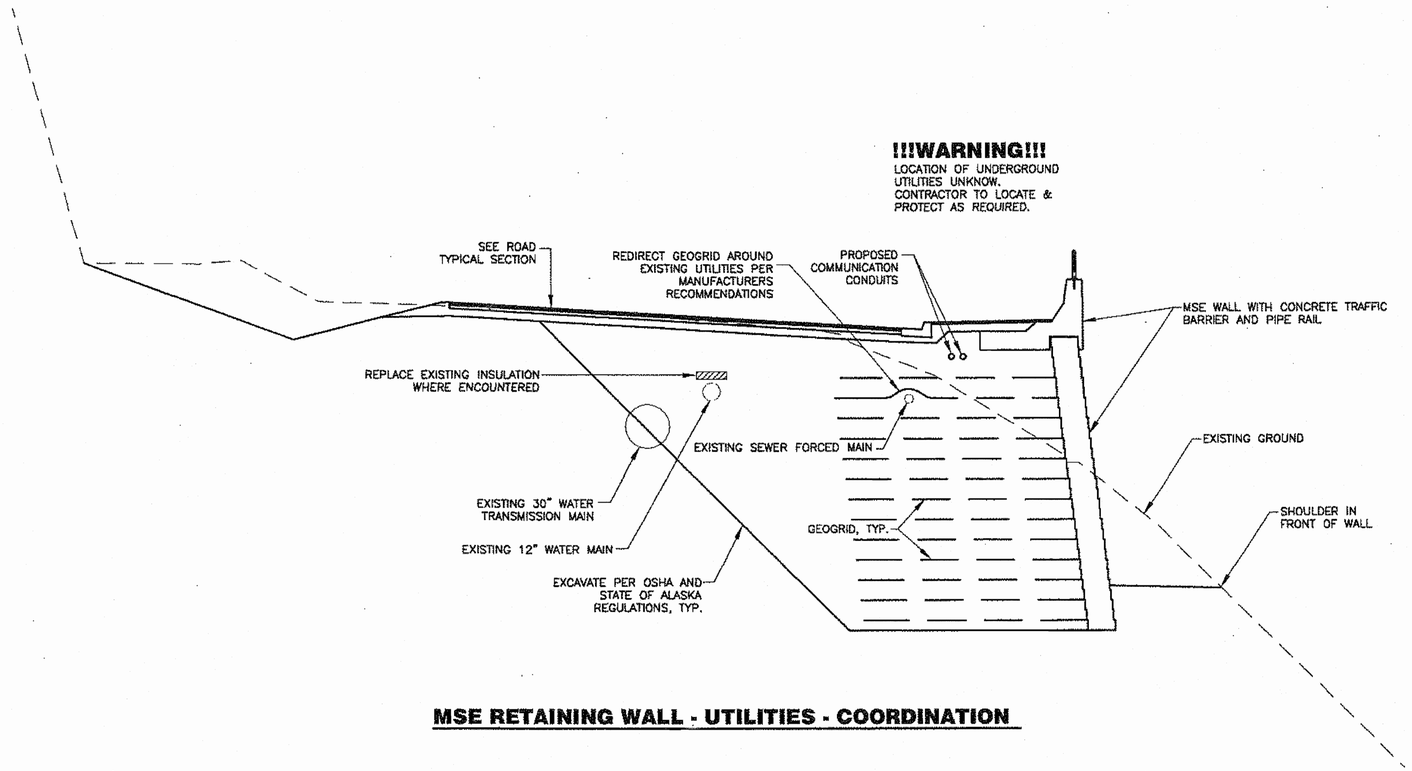
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

RETAINING WALL DETAILS

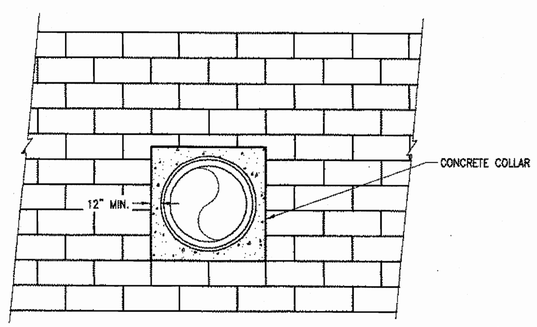
PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

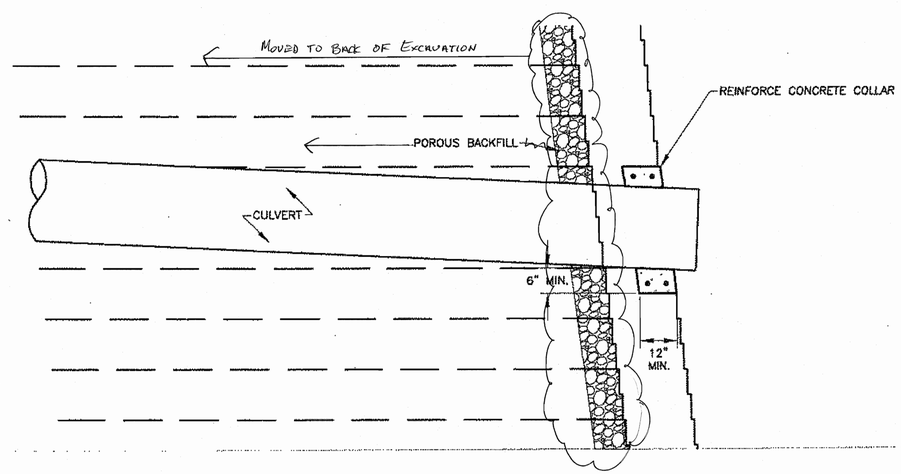
SHEET NUMBER	TOTAL SHEETS
H6	109



MSE RETAINING WALL - UTILITIES - COORDINATION



CONCRETE COLLAR ELEVATION



CONCRETE COLLAR SECTION

CONCRETE COLLAR

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\INUFILE2\JOBS\1153805\DWGS\C\SHEETS\H07.D

TAB: H07

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

RETAINING WALL DETAILS

PREPARED BY: USKH

CHECKED BY: BH

STATE OF ALASKA 49TH Bruce E. Hopper CE-7749 8/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

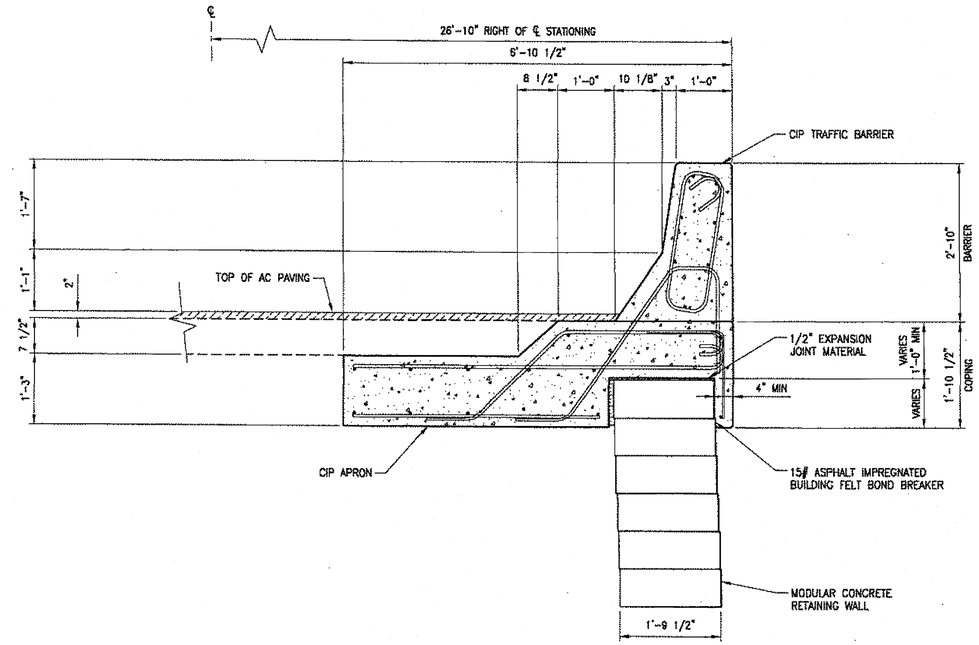
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

RETAINING WALL DETAILS

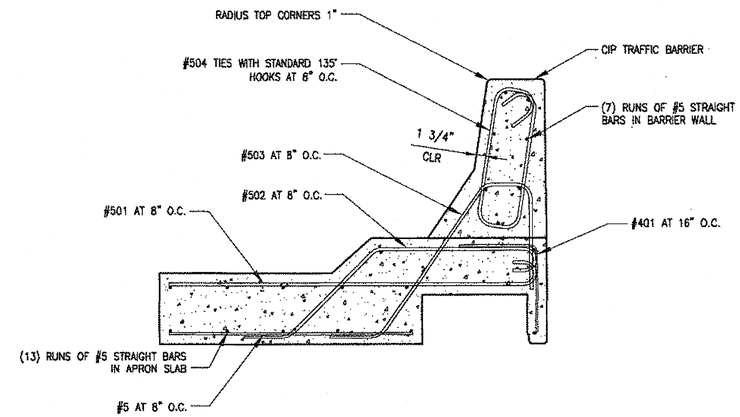
PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
H7	109



BARRIER SECTION - DIMENSIONS

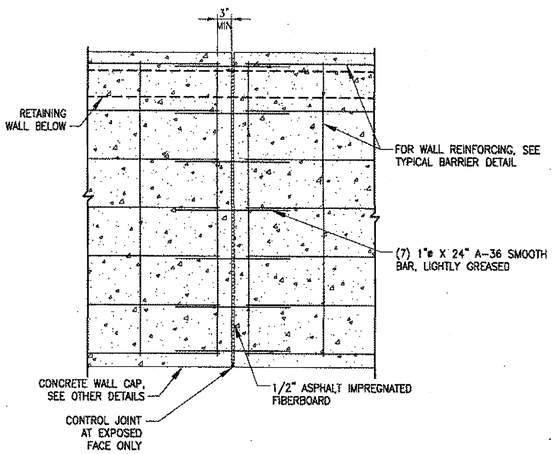


BARRIER SECTION - REINFORCING

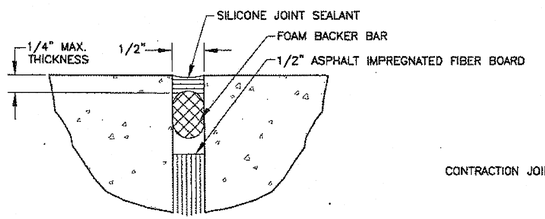
BAR LIST

ITEM	NO. PIECES	SIZE	LENGTH	BAR MARK	TYPE	A	B	C	D	E	F	G	H	J	K	O	R
1		5	4-4		STRAIGHT												
2		5	7-4 1/2	501	1	0 - 5	6 - 6 1/2							0 - 5			
3		5	9 - 0	502	3	0 - 5	2 - 10	2 - 1 1/2	0 - 10				1 - 6 1/2	0 - 5			
4		5	5 - 7	503	4				0 - 10	3 - 3	0 - 10	2 - 8					
5		5	7 - 3	504	T1	0 - 5	0 - 9	2 - 5	0 - 9	2 - 5		0 - 5					
6		4	3 - 1	401	17		1 - 6 1/2	1 - 6 1/2									

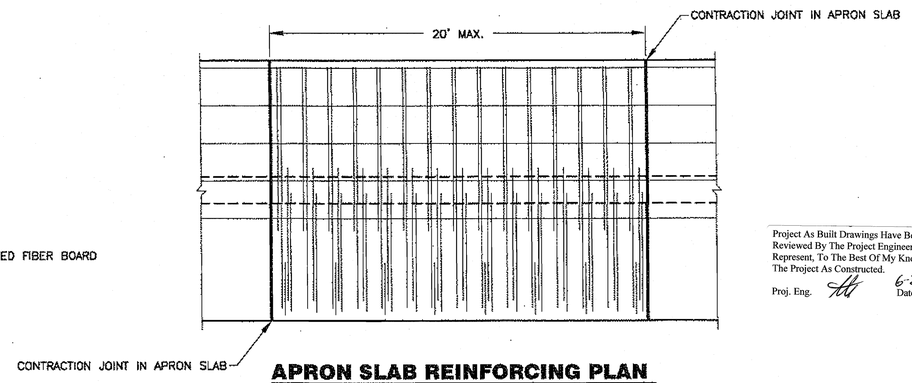
NOTE:
BAR "TYPES" REFER TO CONCRETE REINFORCING STEEL INSTITUTE DETAIL REFERENCE TYPICAL BAR BEND DIAGRAMS.



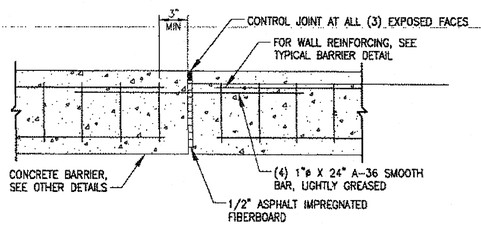
APRON CONTROL JOINT



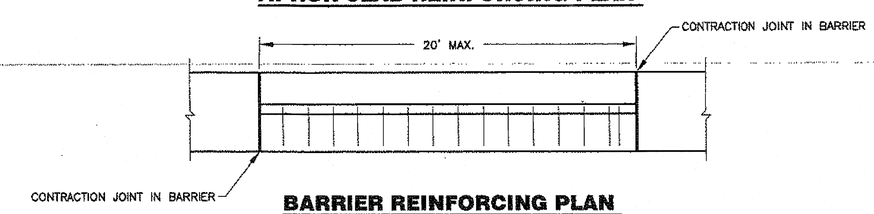
CONTROL JOINT



APRON SLAB REINFORCING PLAN



BARRIER CONTROL JOINT



BARRIER REINFORCING PLAN

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. Date 6-24-15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: \\JNUFILE2\JOBS\1153806\DWGS\C\SHEETS\H08.D

TAB: H08

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

RETAINING WALL DETAILS

PREPARED BY: USKH

CHECKED BY: BH

STATE OF ALASKA 49TH Bruce E. Hopper CE-7745 8/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

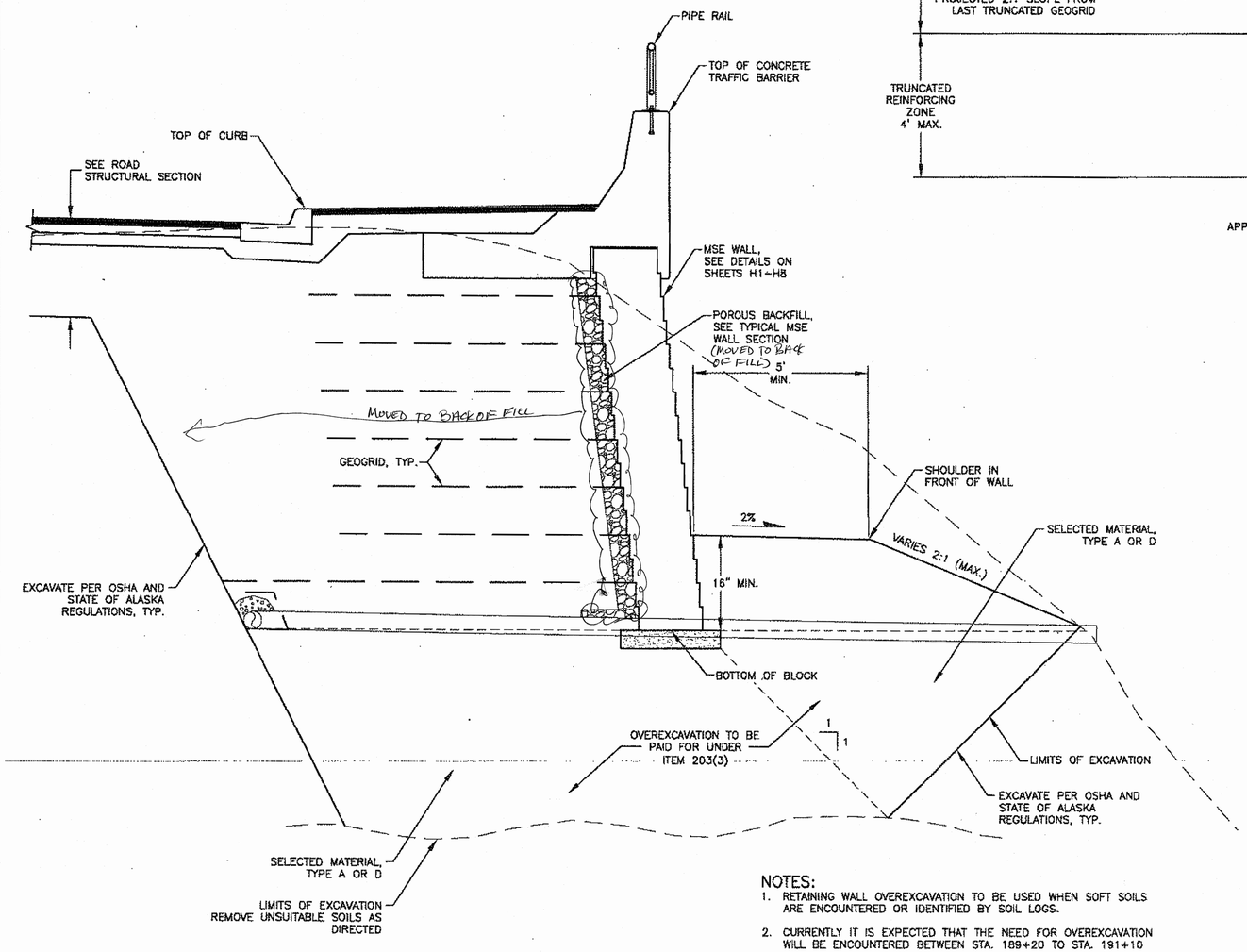
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

RETAINING WALL DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

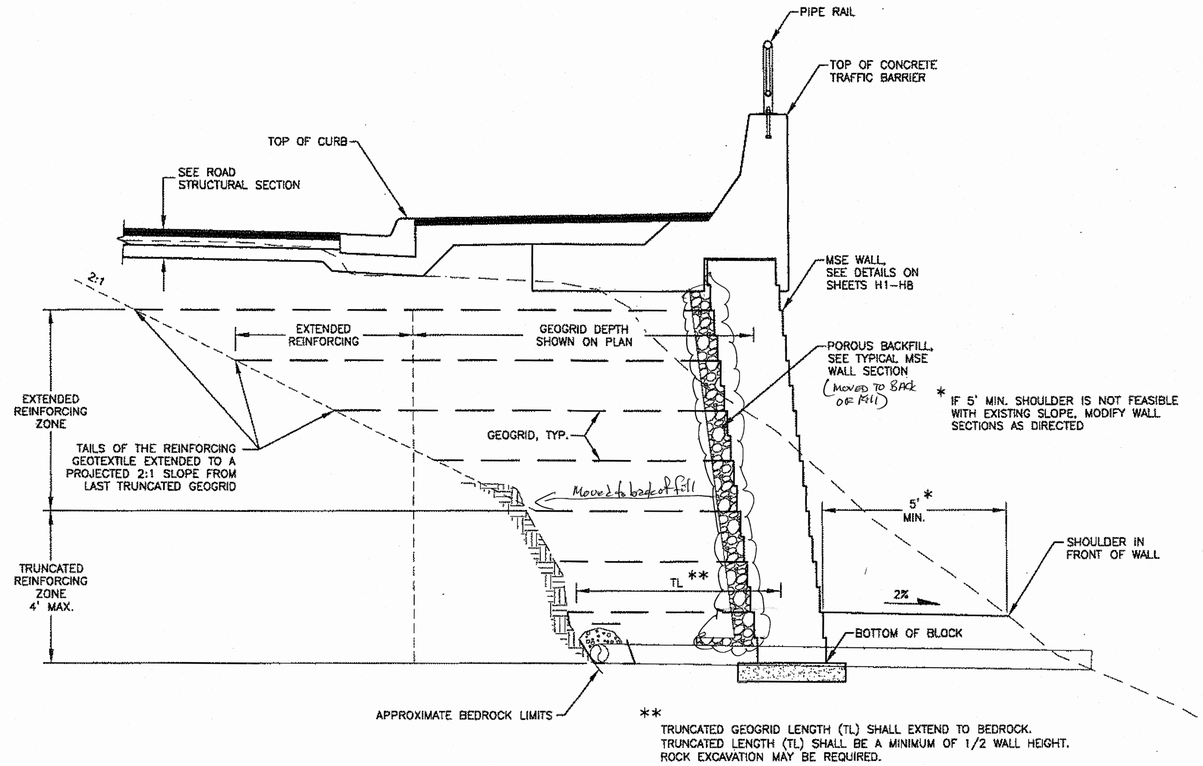
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
H8	109



NOTES:
1. RETAINING WALL OVEREXCAVATION TO BE USED WHEN SOFT SOILS ARE ENCOUNTERED OR IDENTIFIED BY SOIL LOGS.
2. CURRENTLY IT IS EXPECTED THAT THE NEED FOR OVEREXCAVATION WILL BE ENCOUNTERED BETWEEN STA. 189+20 TO STA. 191+10

RETAINING WALL OVEREXCAVATION



** TRUNCATED GEOGRID LENGTH (TL) SHALL EXTEND TO BEDROCK. TRUNCATED LENGTH (TL) SHALL BE A MINIMUM OF 1/2 WALL HEIGHT. ROCK EXCAVATION MAY BE REQUIRED.

TRUNCATED BASE MSE WALL

WHERE BEDROCK IS ENCOUNTERED WITHIN THE PLANNED REINFORCING ZONE

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

\\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\H09.DW

TAB: H09

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

RETAINING WALL DETAILS

PREPARED BY: USKH

CHECKED BY: BH

STATE OF ALASKA 4928 Bruce E. Hoppe CE-7745 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

RETAINING WALL DETAILS

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
H9	109

Traffic Control Notes:

1. A MINIMUM OF ONE LANE SHALL BE MAINTAINED AT ALL TIMES, THROUGH ALL WORK AREAS.
2. TWO LANES SHALL BE MAINTAINED AT ALL TIMES IN NON-WORK AREAS AND DURING NON-WORK HOURS.
3. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'-0".
4. WORK ZONE DOUBLE TRAFFIC FINES SIGNS SHALL BE USED AS DIRECTED BY THE ENGINEER AND PER STANDARD DRAWING C-04.12.
5. WARNING LIGHTS SHALL BE USED ON ALL CHANNELIZING DEVICES PLACED ALONG OR AROUND ROADWAY HAZARDS.
6. IT IS THE INTENT OF THIS TRAFFIC CONTROL PLAN (TCP) TO ILLUSTRATE SOME, NOT ALL, OF THE TRAFFIC CONTROL SETUPS WHICH WILL BE REQUIRED ON THIS PROJECT. PLANS FOR CONFIGURATIONS NOT COVERED BY THE TCP SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THEY SHALL INCORPORATE APPLICABLE PORTIONS OF DETAILS ON THESE SHEETS.
7. THE LENGTH OF WORK AREA SHALL BE MINIMIZED TO AVOID EXCESSIVE TRAFFIC DELAYS AS DIRECTED BY THE ENGINEER.
8. TRAFFIC DELAYS SHALL NOT EXCEED 15 MINUTES.
9. PRIOR TO BLASTING, THE BLASTER IN CHARGE SHALL DETERMINE WHETHER ROAD USERS IN THE BLASTING ZONE WILL BE ENDANGERED BY THE BLASTING OPERATION. IF THERE IS DANGER, ROAD USERS SHALL NOT BE PERMITTED TO PASS THROUGH THE BLASTING ZONE DURING BLASTING OPERATIONS AND FLAGGERS WITH THE APPROPRIATE SIGNAGE WILL BE REQUIRED.
10. MAX. CONE OR DRUM SPACING SHALL NOT EXCEED 35' ON TAPERS OR 70' ON TANGENTS.
11. TEMPORARY SIGNAL CONTROLS WILL BE COVERED UP OR REMOVED WHEN THEY ARE NOT IN USE.
12. TEMPORARY SIGNAL CONTROLS ARE REQUIRED WHEN SINGLE LANE CLOSURE IS USED FOR MORE THAN 24 HOURS.

Legend

- SIGN
- CONE
- DRUM
- CONCRETE BARRIER
- WATER FILLED BARRIER
- TYPE III BARRICADE
- FLAGGING STATION
- BLASTING CAP
- TEMPORARY SIGNAL
- HIGH LEVEL WARNING DEVICE

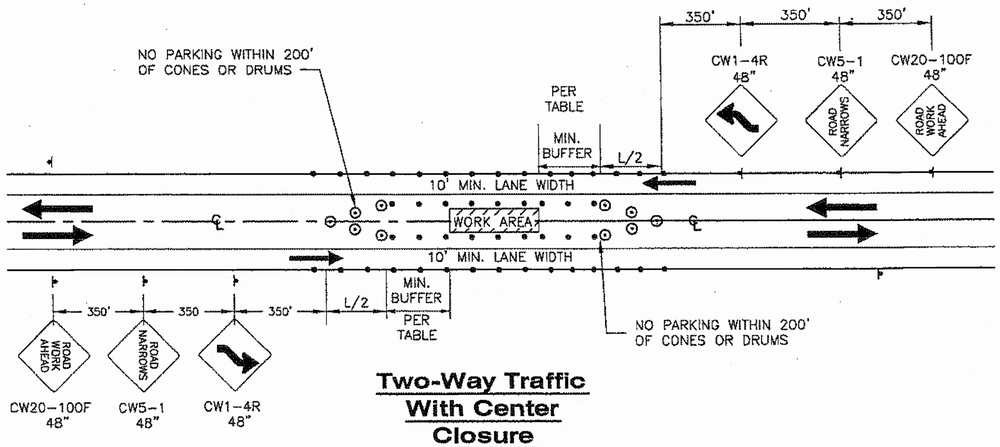
MIN. BUFFER	
S	LENGTH
20	115
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
75	820

FORMULAS FOR L (TAPER LENGTH)

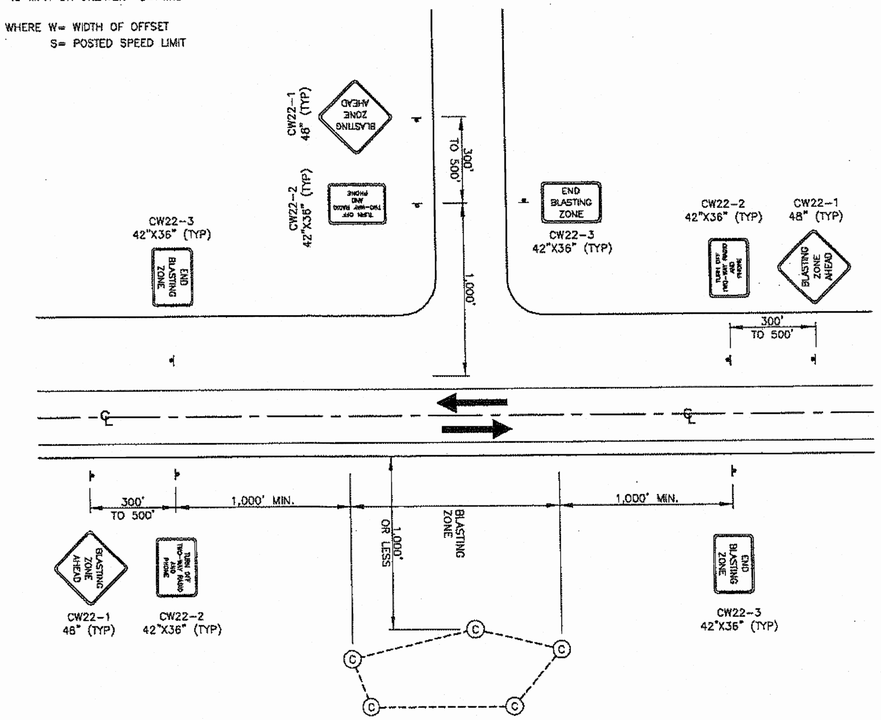
40 MPH OR LESS $L = \frac{WxS^2}{60}$

45 MPH OR GREATER $L = WxS$

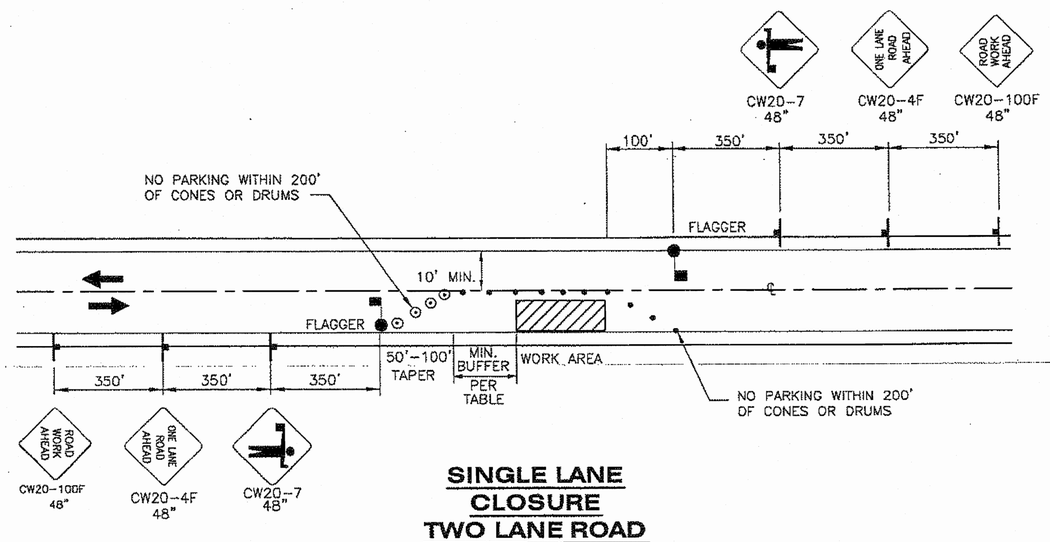
WHERE W= WIDTH OF OFFSET
S= POSTED SPEED LIMIT



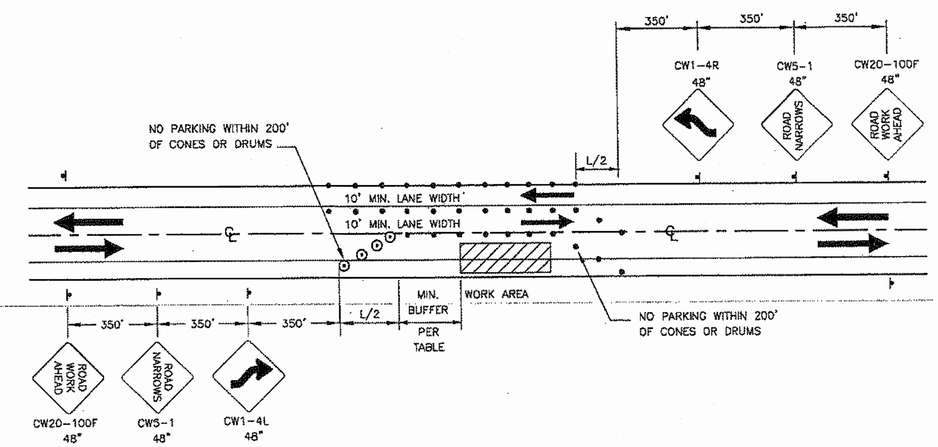
Two-Way Traffic With Center Closure



BLASTING ZONE



SINGLE LANE CLOSURE TWO LANE ROAD



Two-Way Traffic

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. Date 6-24-15

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\K01.DWG
Friday, August 17, 2012 7:19:43 PM
TAB: K01

ADDENDUM NUMBER

ATTACHMENT NUMBER

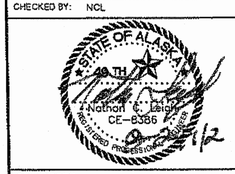
RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

TRAFFIC CONTROL PLAN

PREPARED BY: USKH
CHECKED BY: NCL

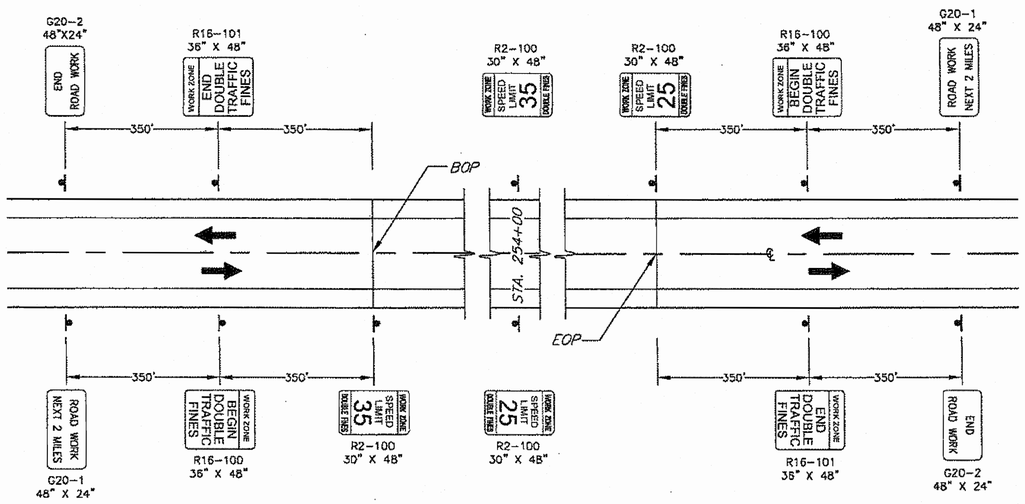


DESIGNED BY: NCL
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

TRAFFIC CONTROL PLAN

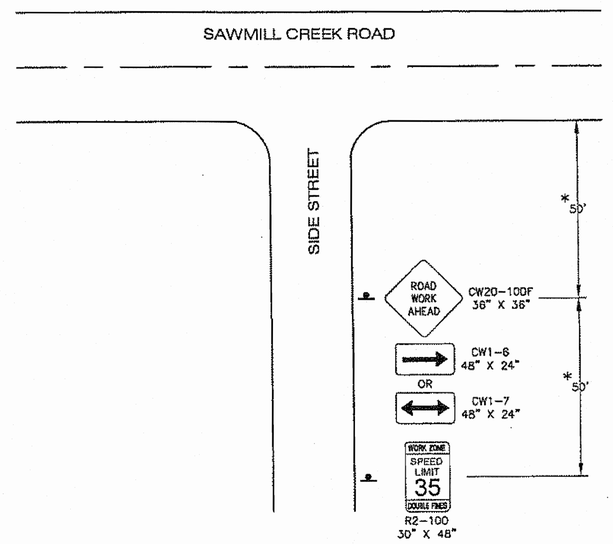
PROJECT DESIGNATION	
68216\MSG-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
K1	109



PERMANENT CONSTRUCTION SIGNING

USE AT:

1. BOP / BEFORE WHALE PARK
2. EOP / PAST SAWMILL CREEK BRIDGE



PERMANENT CONSTRUCTION SIGNING SIDE STREET APPROACHES

* OR AS DIRECTED BY THE ENGINEER

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

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Friday, August 17, 2012 7:19:47 PM

TAB: K02

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

TRAFFIC CONTROL PLAN

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA
NATHAN C. LEIGH
CE-8386
PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

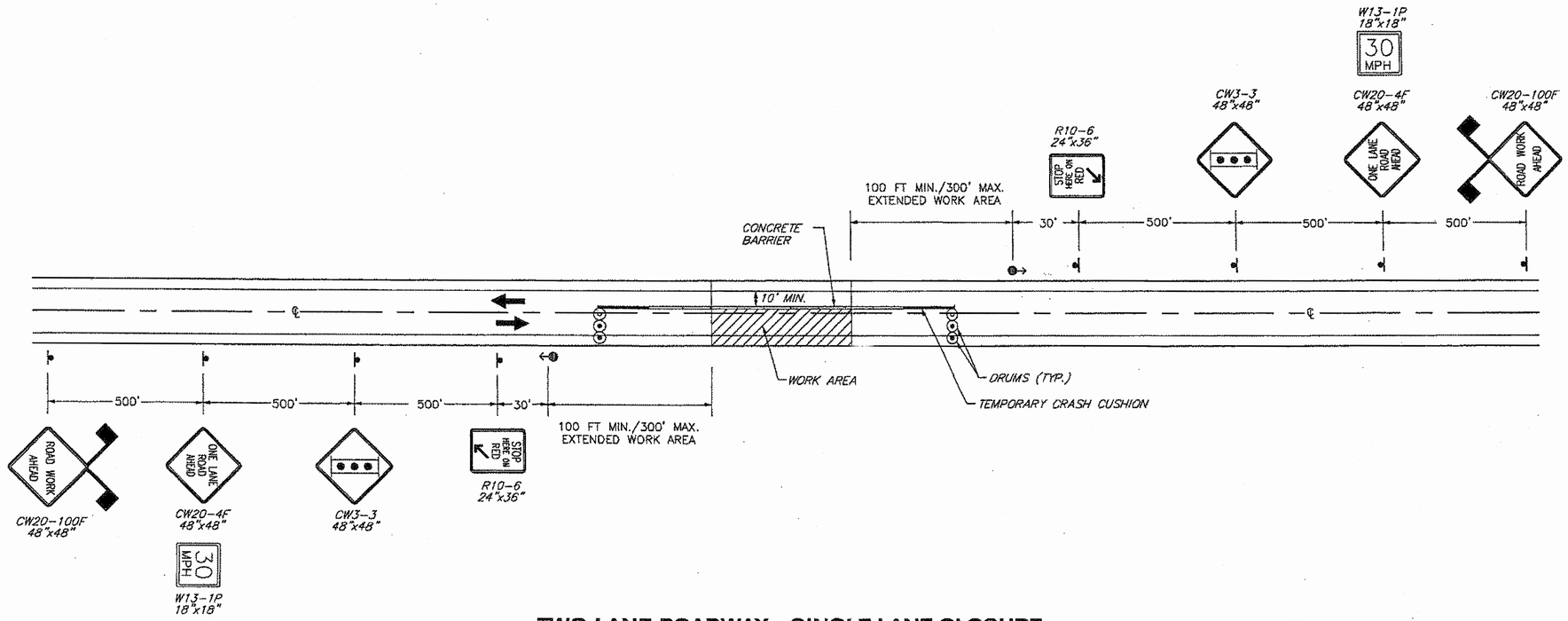
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

TRAFFIC CONTROL PLAN

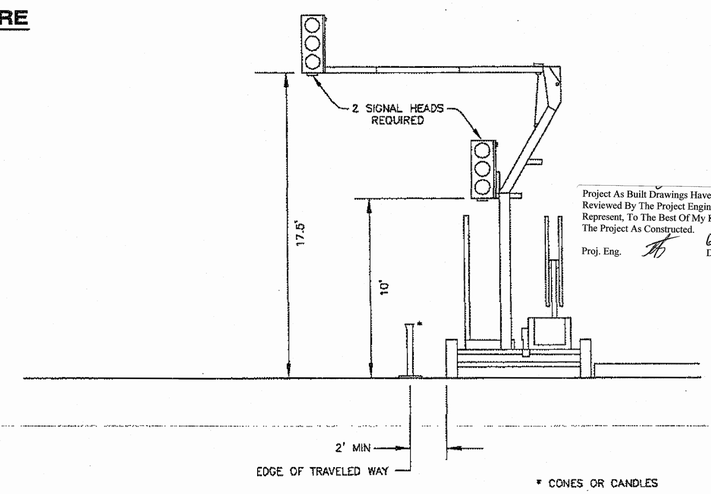
PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
K2	109



TWO LANE ROADWAY - SINGLE LANE CLOSURE
SIGNAL CONTROL



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. 6-24-15 Date

TYPICAL TEMPORARY SIGNAL SETUP

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Friday, August 17, 2012 7:19:51 PM
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

TRAFFIC CONTROL PLAN

PREPARED BY: USKH
CHECKED BY: NCL

STATE OF ALASKA
49TH
Nathan C. Leigh
CE-8388
REGISTERED PROFESSIONAL ENGINEER
6-24-12

DESIGNED BY: NCL
DRAWN BY: WJP

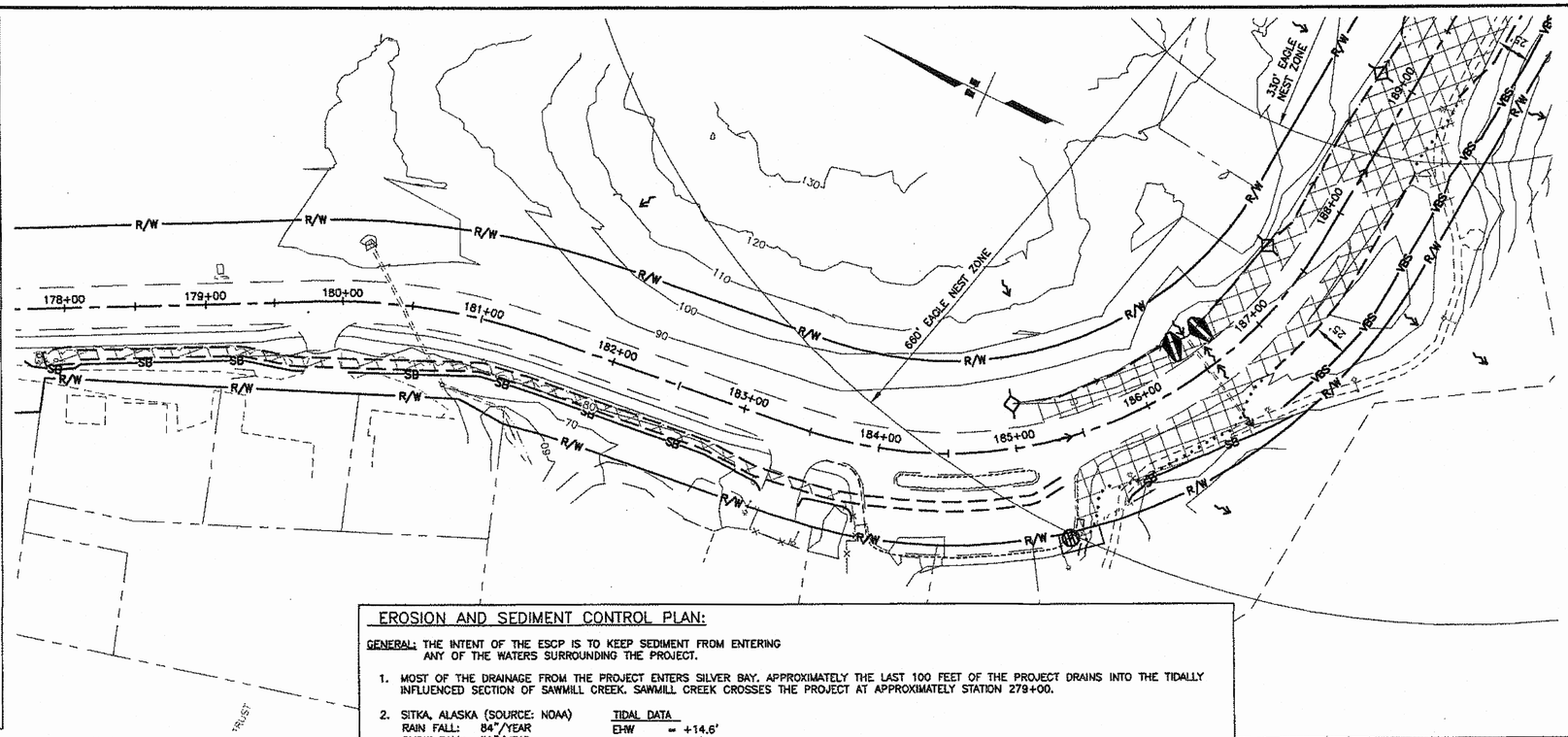
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

TRAFFIC CONTROL PLAN

PROJECT DESIGNATION	
68216\MSG-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
K3	109

LEGEND

- = CUT LIMITS
- = FILL LIMITS
- = FLOW DIRECTION
- = DITCHLINE FLOW DIRECTION
- = EXISTING DRAINAGE
- = WATERS OF THE U.S.
- SB = TEMPORARY SEDIMENT BARRIER
- FR = FIBER ROLLS
- DD = SLOPE DRAIN
- VBS = VEGETATIVE BUFFER STRIP
- = GRAVEL FILTER BERM
- = AREA OF DISTURBANCE
- HTL = HIGH TIDE LINE = 12.7'
- = PROPERTY LINE
- = CULVERT BYPASS
- = CATCH BASIN INSERT
- = TEMPORARY ROCK FILTER DAM
- = TEMPORARY CHECK DAM
- = TEMPORARY MULCHING (BFM)
- = EAGLE NEST

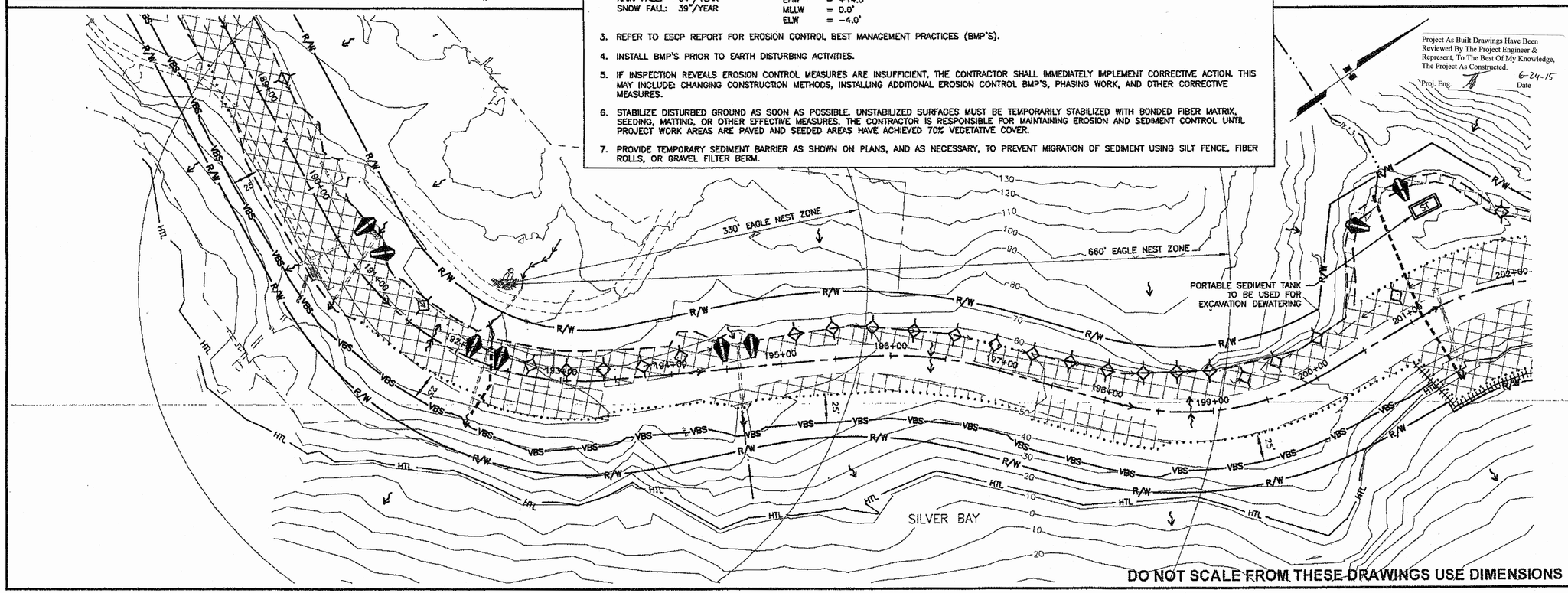


EROSION AND SEDIMENT CONTROL PLAN:

GENERAL: THE INTENT OF THE ESCP IS TO KEEP SEDIMENT FROM ENTERING ANY OF THE WATERS SURROUNDING THE PROJECT.

1. MOST OF THE DRAINAGE FROM THE PROJECT ENTERS SILVER BAY. APPROXIMATELY THE LAST 100 FEET OF THE PROJECT DRAINS INTO THE TIDALLY INFLUENCED SECTION OF SAWMILL CREEK. SAWMILL CREEK CROSSES THE PROJECT AT APPROXIMATELY STATION 279+00.
2. SITKA, ALASKA (SOURCE: NOAA)
   RAIN FALL: 84"/YEAR
   SNOW FALL: 39"/YEAR

   TIDAL DATA
   EHW = +14.6'
   MLLW = 0.0'
   ELW = -4.0'
3. REFER TO ESCP REPORT FOR EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S).
4. INSTALL BMP'S PRIOR TO EARTH DISTURBING ACTIVITIES.
5. IF INSPECTION REVEALS EROSION CONTROL MEASURES ARE INSUFFICIENT, THE CONTRACTOR SHALL IMMEDIATELY IMPLEMENT CORRECTIVE ACTION. THIS MAY INCLUDE: CHANGING CONSTRUCTION METHODS, INSTALLING ADDITIONAL EROSION CONTROL BMP'S, PHASING WORK, AND OTHER CORRECTIVE MEASURES.
6. STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH BONDED FIBER MATRIX, SEEDING, MATTING, OR OTHER EFFECTIVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE PAVED AND SEEDED AREAS HAVE ACHIEVED 70% VEGETATIVE COVER.
7. PROVIDE TEMPORARY SEDIMENT BARRIER AS SHOWN ON PLANS, AND AS NECESSARY, TO PREVENT MIGRATION OF SEDIMENT USING SILT FENCE, FIBER ROLLS, OR GRAVEL FILTER BERM.



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

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Tuesday, August 21, 2012 11:54:22 AM

TAB: P01

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

EROSION SEDIMENT CONTROL PLAN (ESCP)

PREPARED BY: USKH

CHECKED BY: RP

DESIGNED BY: NCL

DRAWN BY: WJP

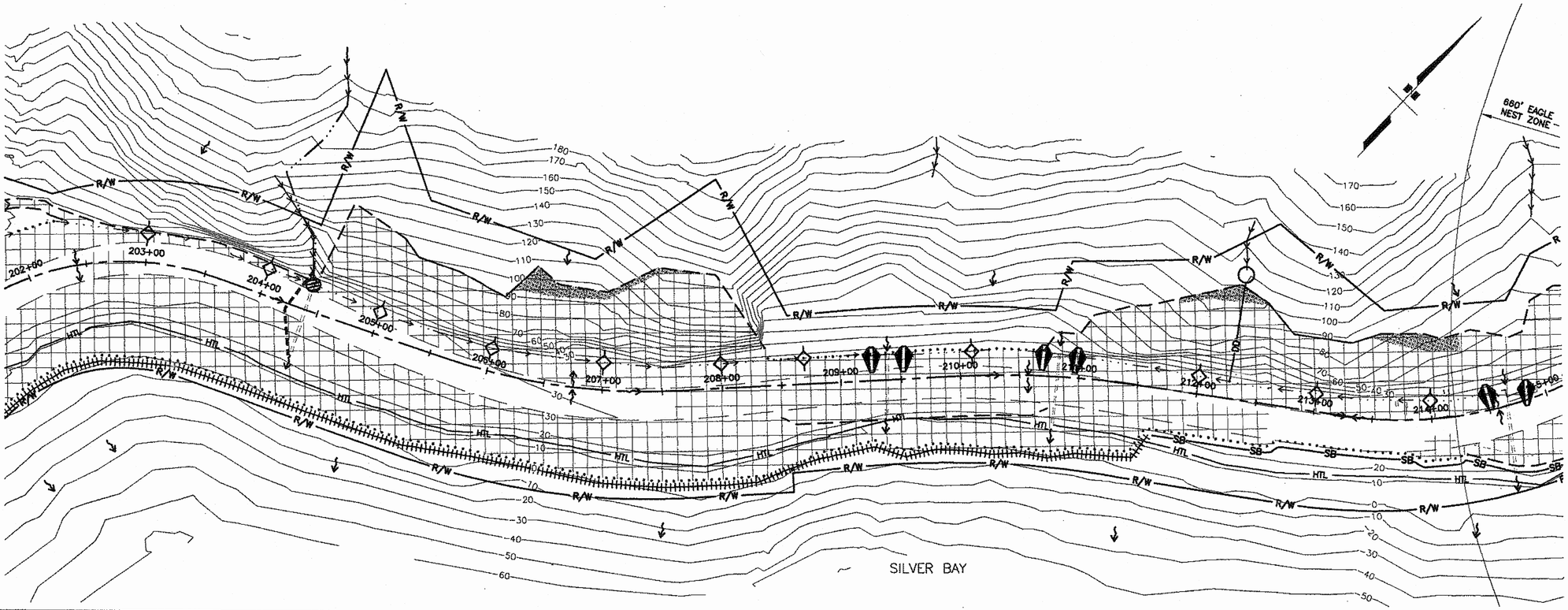
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

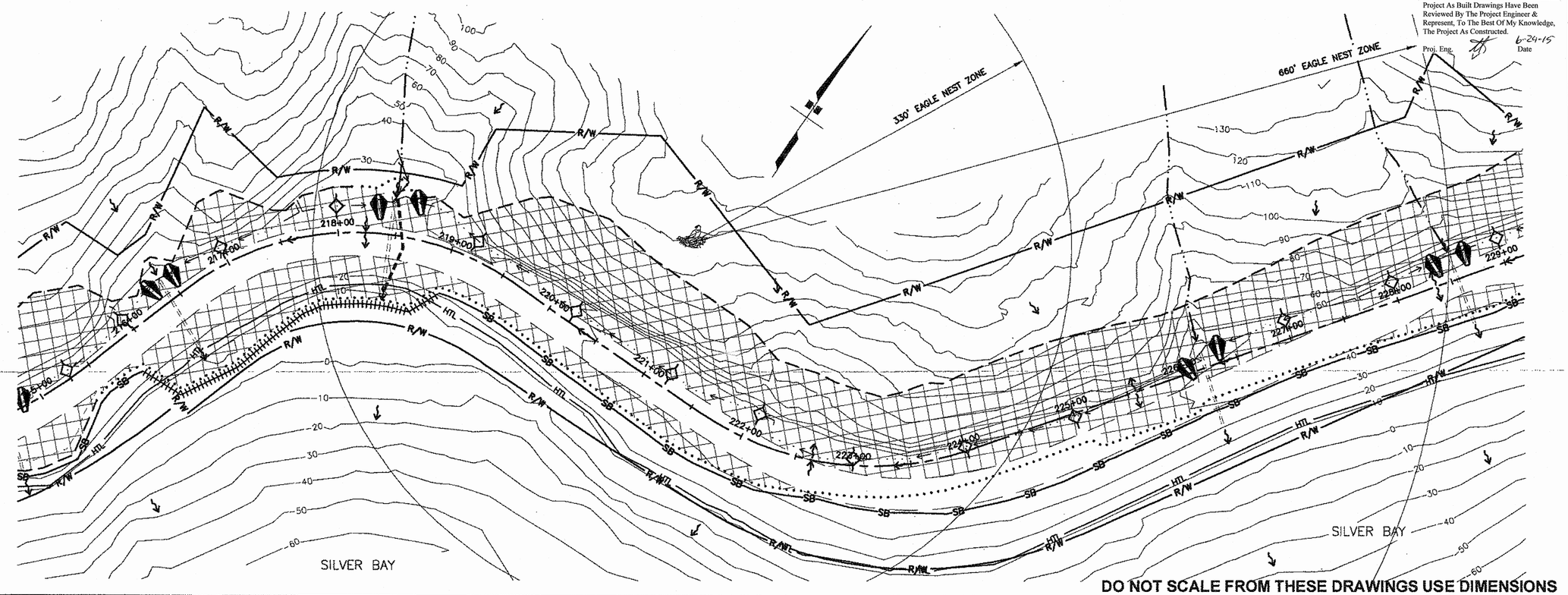
ESCP EARTHWORK
PHASE BMPS

STA. 178+00 TO
STA. 202+00

PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P1	109





Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15
Date

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Thursday, August 30, 2012 8:06:43 AM

TAB: P02

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

EROSION AND SEDIMENT CONTROL PLAN (ESCP)

PREPARED BY: USKH

CHECKED BY: RP

DESIGNED BY: NCL

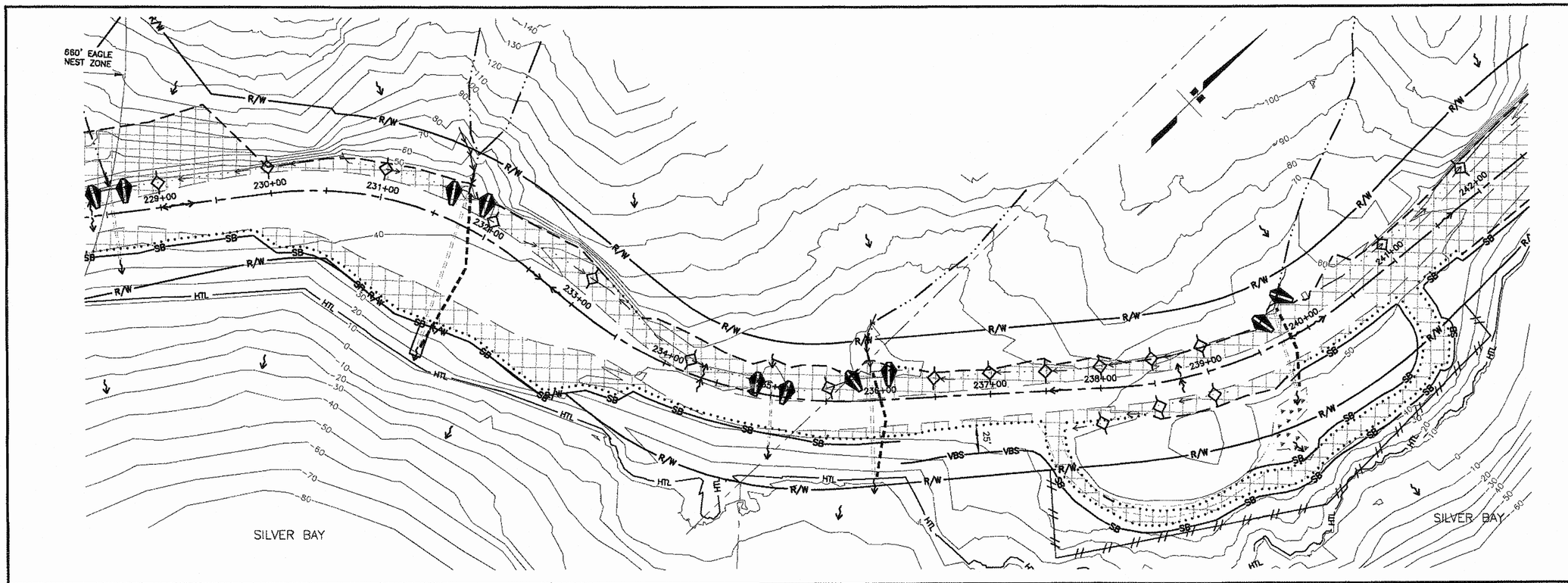
DRAWN BY: WJP

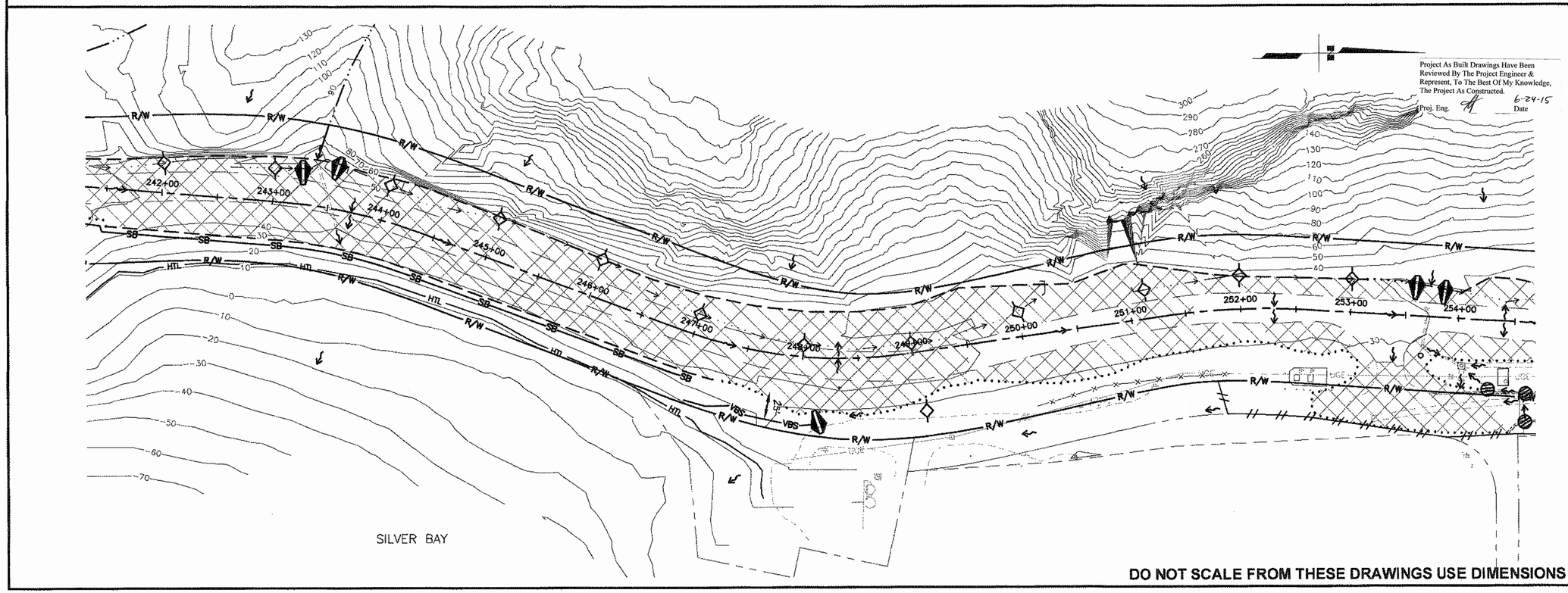
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ESCP EARTHWORK PHASE BMPS

STA. 202+00 TO STA. 229+00

PROJECT DESIGNATION	
68216\MSG-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P2	109





Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. _____ Date 6-24-15

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PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\P01-P04

Monday, August 27, 2012 9:49:32 AM

TAB: P03

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

EROSION AND SEDIMENT CONTROL PLAN (ESCP)

PREPARED BY: USKH

CHECKED BY: RP

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ESCP EARTHWORK PHASE BMPS

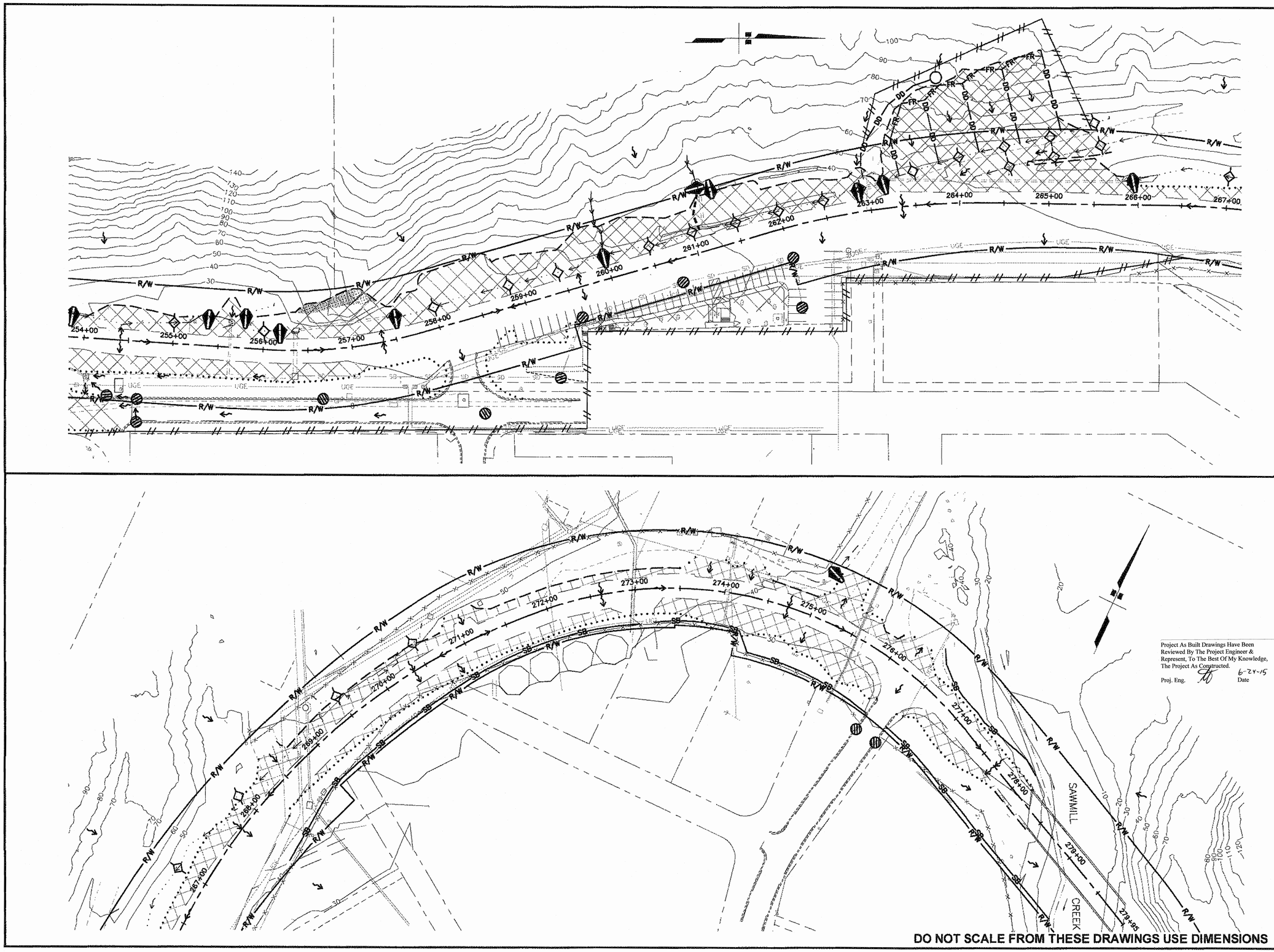
STA. 229+00 TO STA. 254+00

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
P3	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Contructed.

Proj. Eng. 6-27-15 Date

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Monday, August 27, 2012 9:49:35 AM

TAB: P04

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

EROSION AND SEDIMENT CONTROL PLAN (ESCP)

PREPARED BY: USKH

CHECKED BY: RP

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ESCP EARTHWORK PHASE BMPS

STA. 254+00 TO EOP

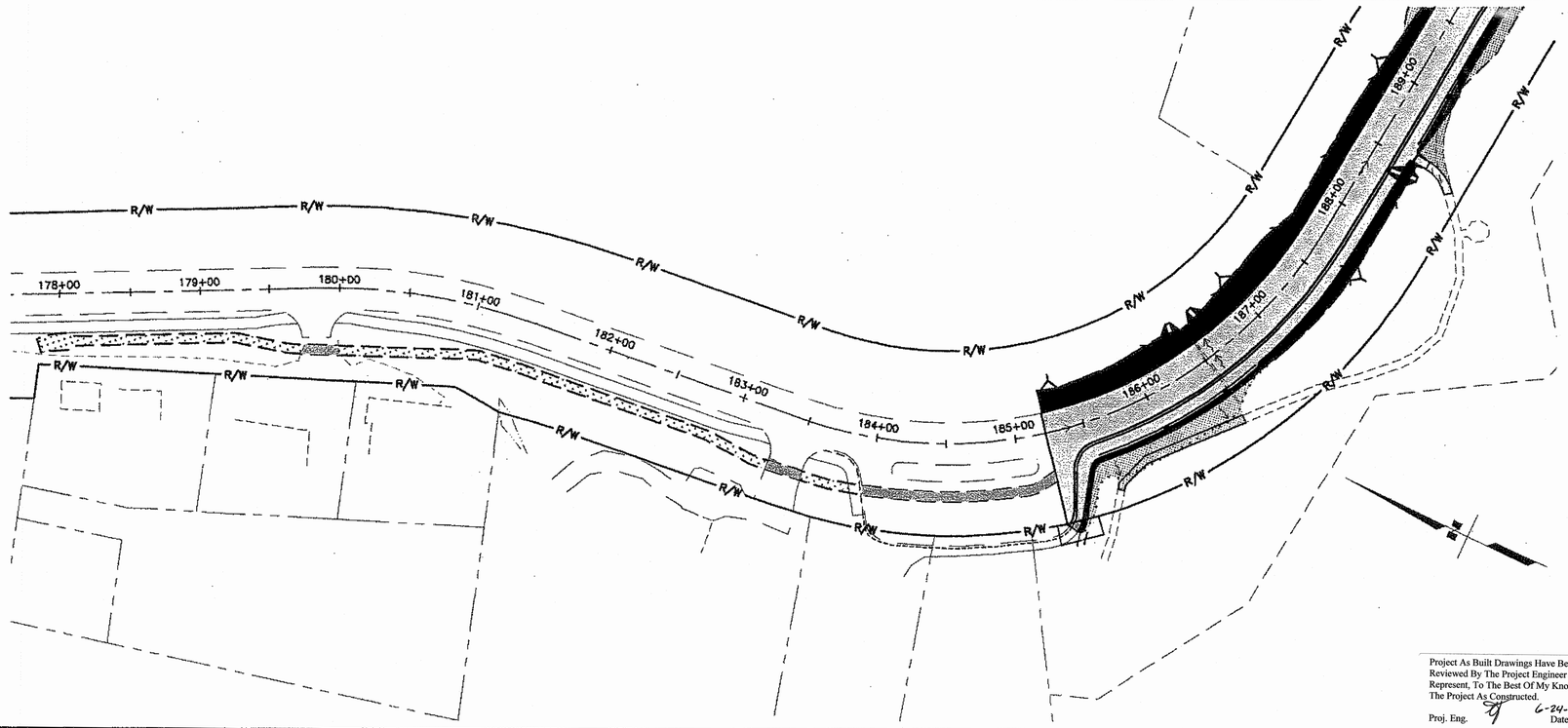
PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P4	109

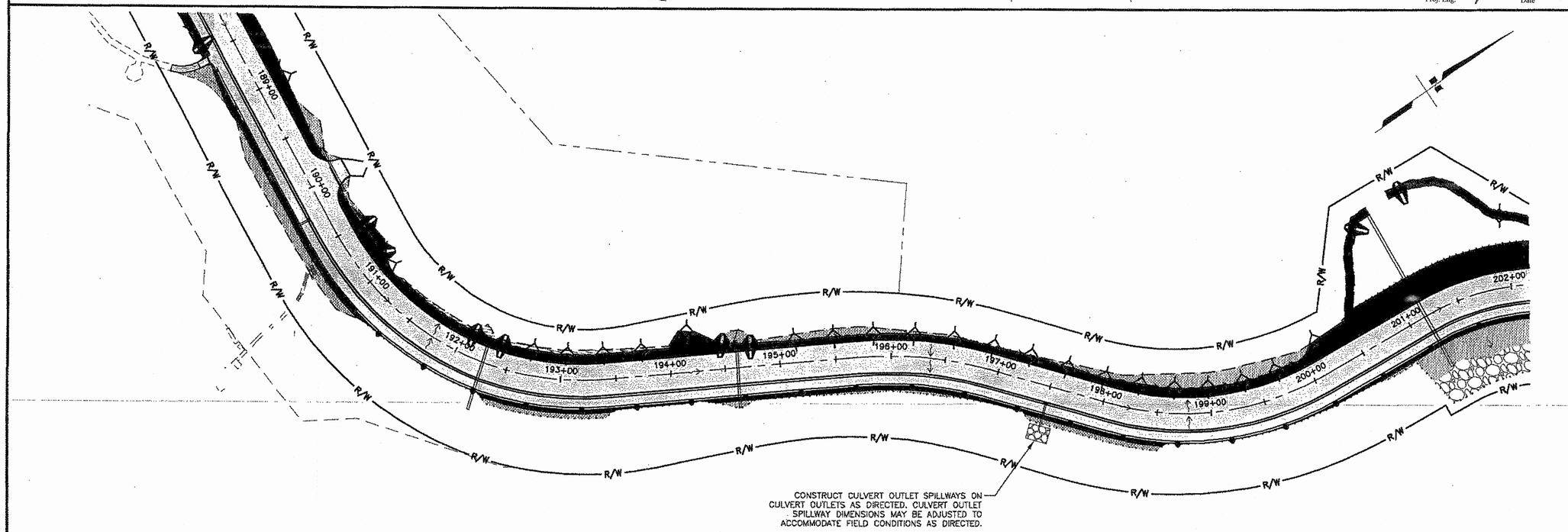
LEGEND

- 100+00 = PAVED SURFACE
- = BONDED FIBER MATRIX (BFM), SEEDING & MATTING
- = BONDED FIBER MATRIX (BFM) & SEEDING
- = RIPRAP SLOPE REHABILITATION
- = GRAVEL SURFACING
- = ROCK SURFACE
- = OVERBURDEN ARMOR ROCK
- = RIPRAP CULVERT SPILLWAY PROTECTION OR DITCH LINING
- = FLOW DIRECTION
- = DITCHLINE FLOW DIRECTION
- = TEMPORARY ROCK FILTER DAM
- = TEMPORARY CHECK DAM



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date



CONSTRUCT CULVERT OUTLET SPILLWAYS ON CULVERT OUTLETS AS DIRECTED. CULVERT OUTLET SPILLWAY DIMENSIONS MAY BE ADJUSTED TO ACCOMMODATE FIELD CONDITIONS AS DIRECTED.

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Tuesday, August 21, 2012 12:03:55 PM

TAB: P05

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

EROSION AND SEDIMENT CONTROL PLAN (ESCP)

PREPARED BY: USKH

CHECKED BY: RP

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ESCP SOIL STABILIZATION PHASE

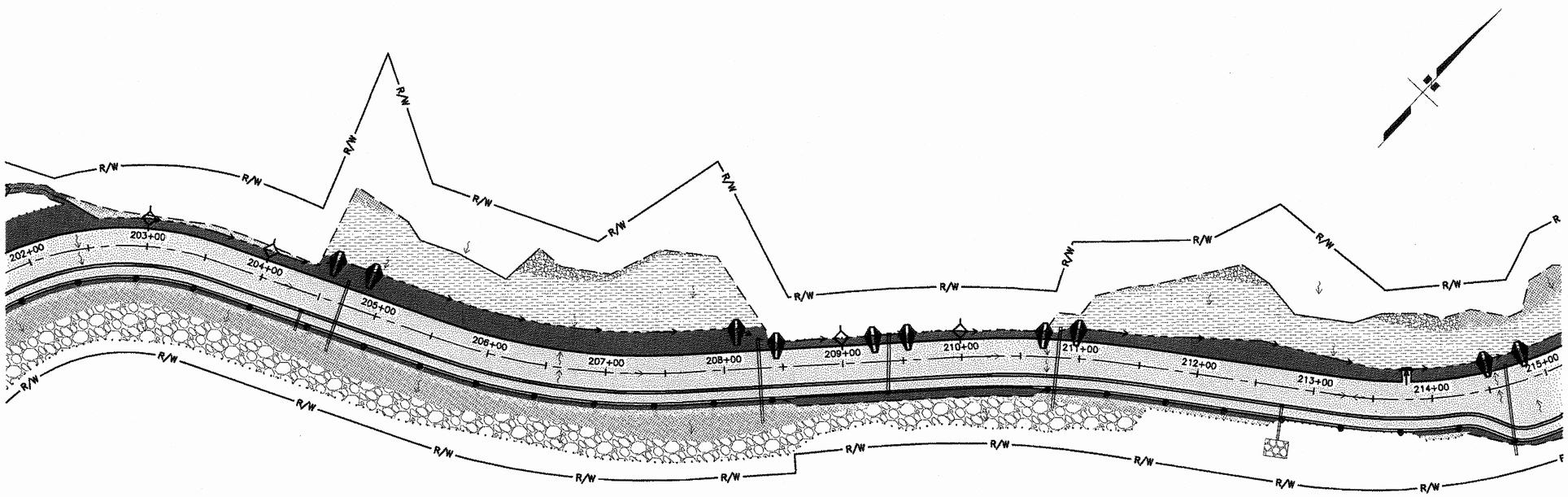
STA. 178+00 TO STA. 202+00

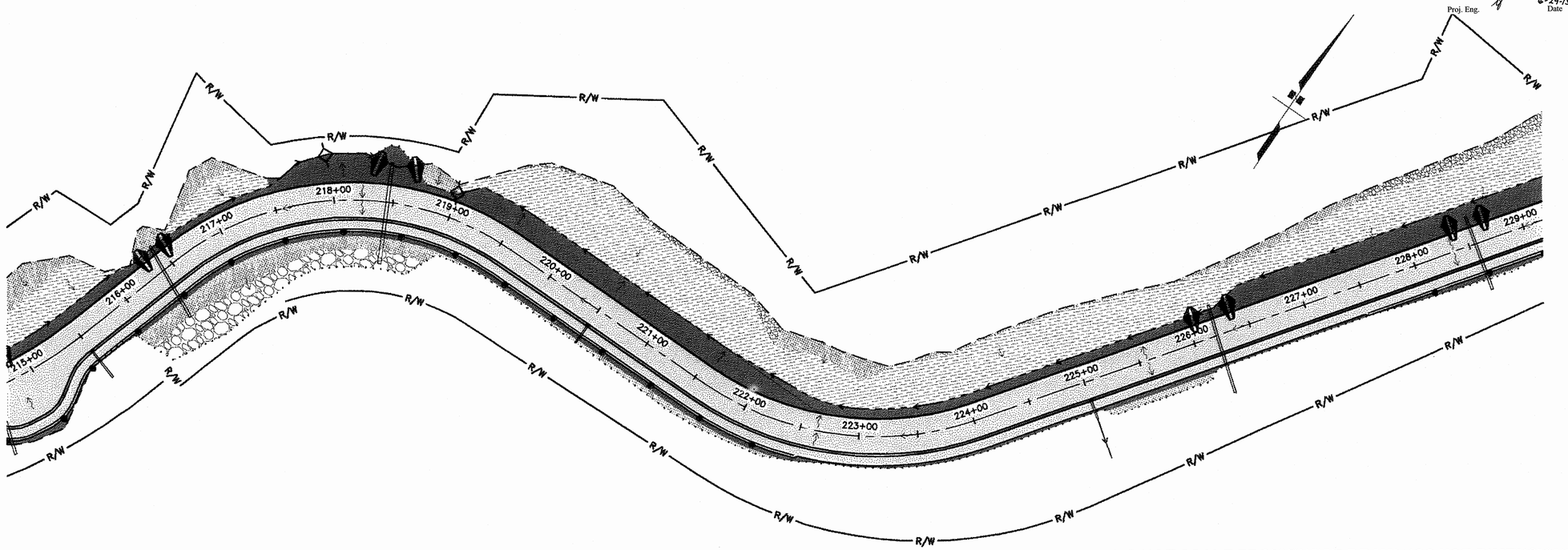
PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
P5	109





Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-29-15 Date

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PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\P05-P08

Monday, August 27, 2012 9:50:20 AM

TAB: P06

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

EROSION AND SEDIMENT CONTROL PLAN (ESCP)

PREPARED BY: USKH

CHECKED BY: RP

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

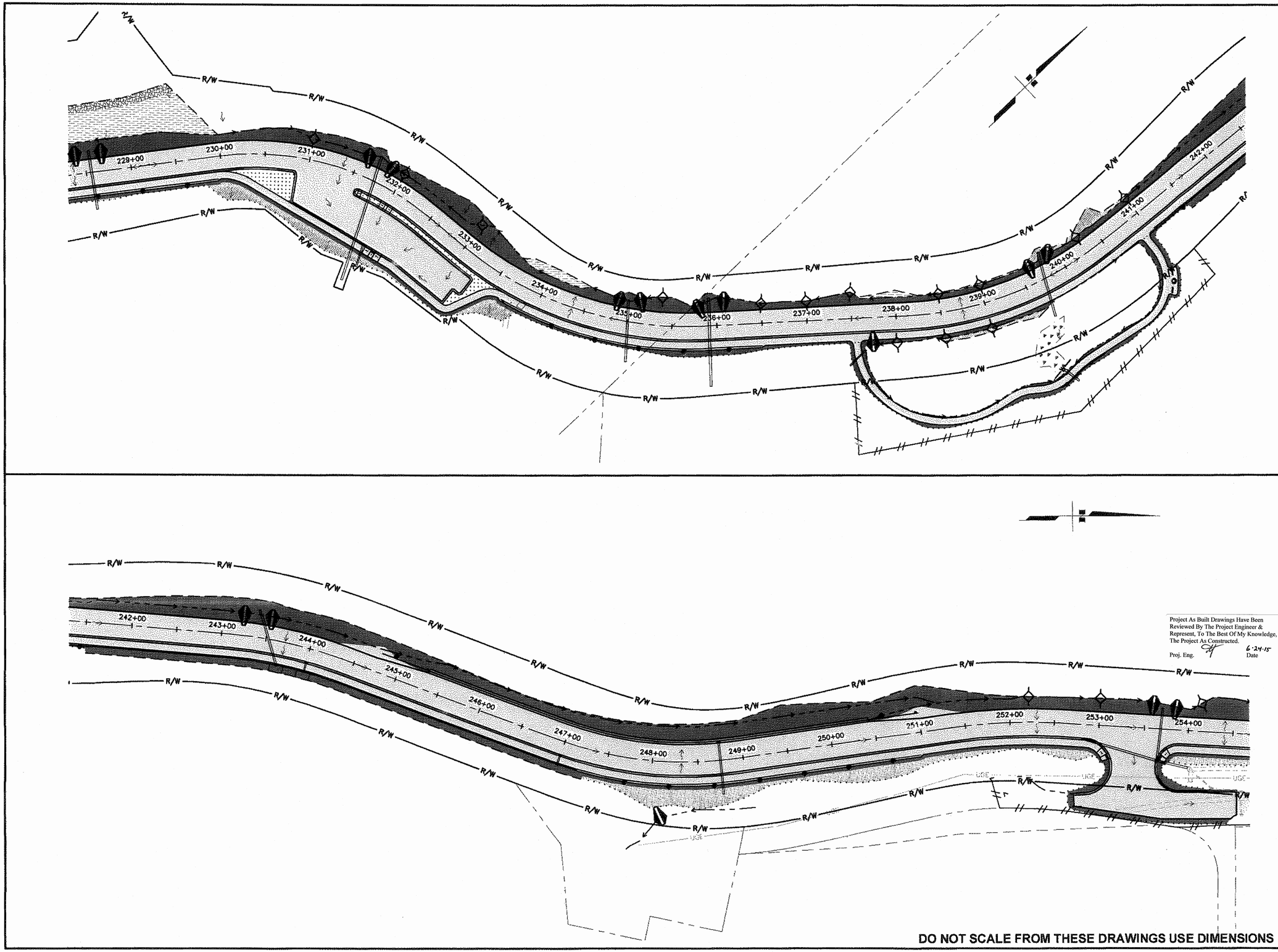
ESCP SOIL STABILITAZTION PHASE

STA. 202+00 TO STA. 229+00

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P6	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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Monday, August 27, 2012 9:50:22 AM

TAB: P07

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

EROSION AND SEDIMENT CONTROL PLAN (ESCP)

PREPARED BY: USKH

CHECKED BY: RP

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ESCP SOIL STABILIZATION PHASE

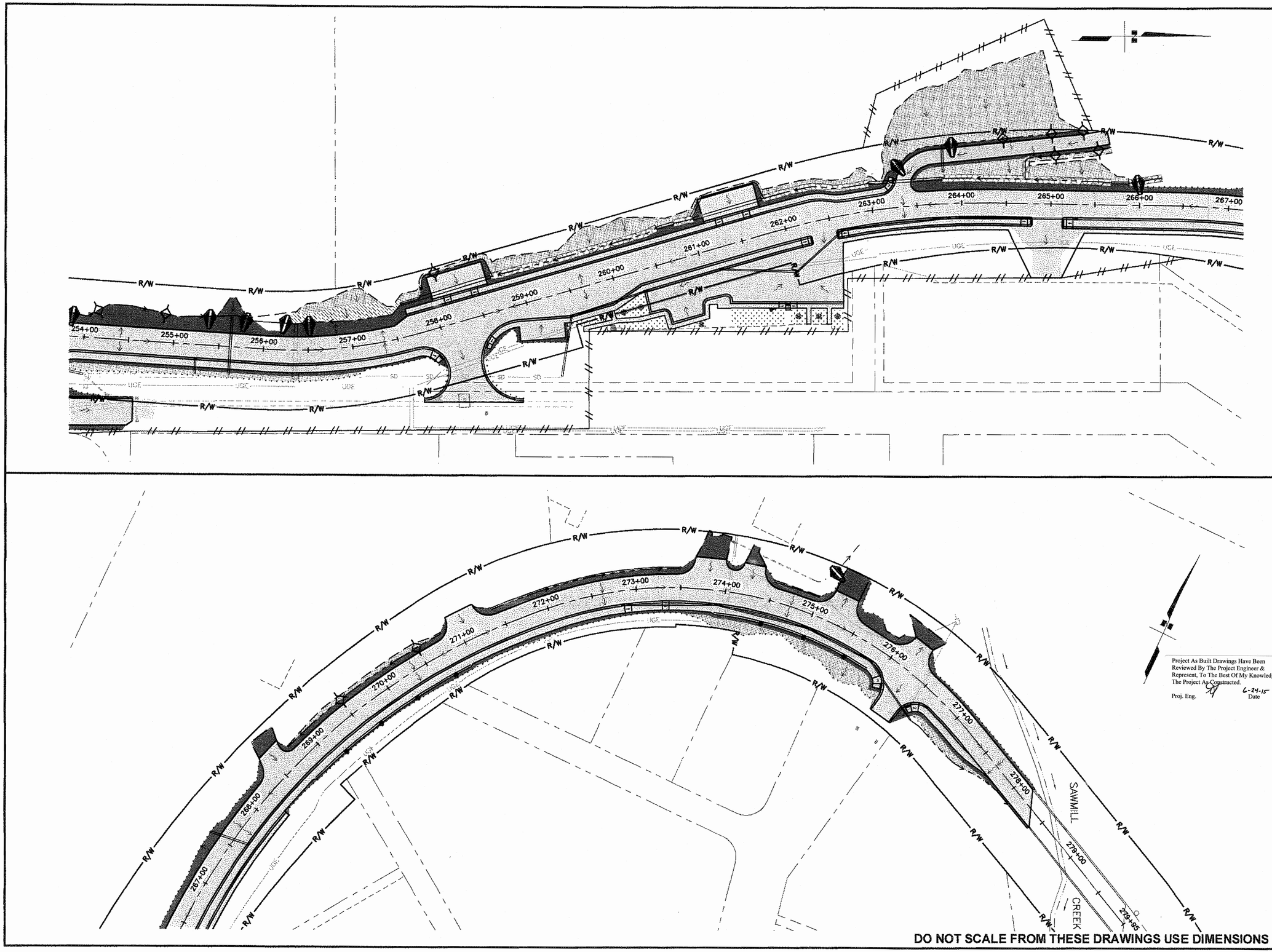
STA. 229+00 TO STA. 254+00

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
P7	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\P05-P08

Monday, August 27, 2012 9:50:24 AM

TAB: P08

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

EROSION AND SEDIMENT CONTROL PLAN (ESCP)

PREPARED BY: USKH

CHECKED BY: RP

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

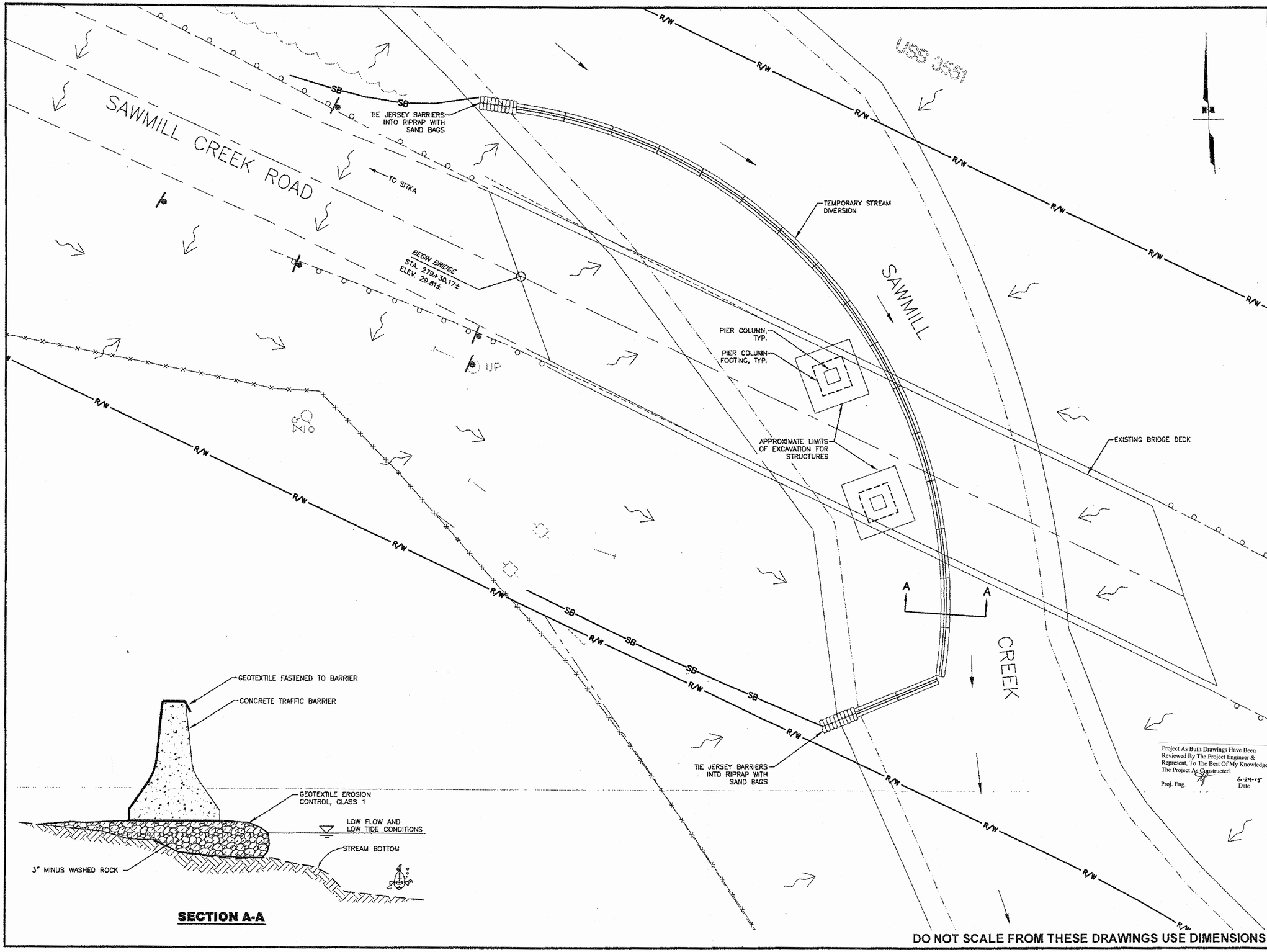
ESCP SOIL STABILIZATION PHASE

STA. 254+00 TO EOP

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P8	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: I:\1153805\DWGS\C\SHEETS\P09.DWG

Thursday, August 23, 2012 2:51:36 PM

TAB: P09

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

EROSION SEDIMENT CONTROL PLAN (ESCP)

PREPARED BY: USKH

CHECKED BY: RP

DESIGNED BY: NCL

DRAWN BY: WJP

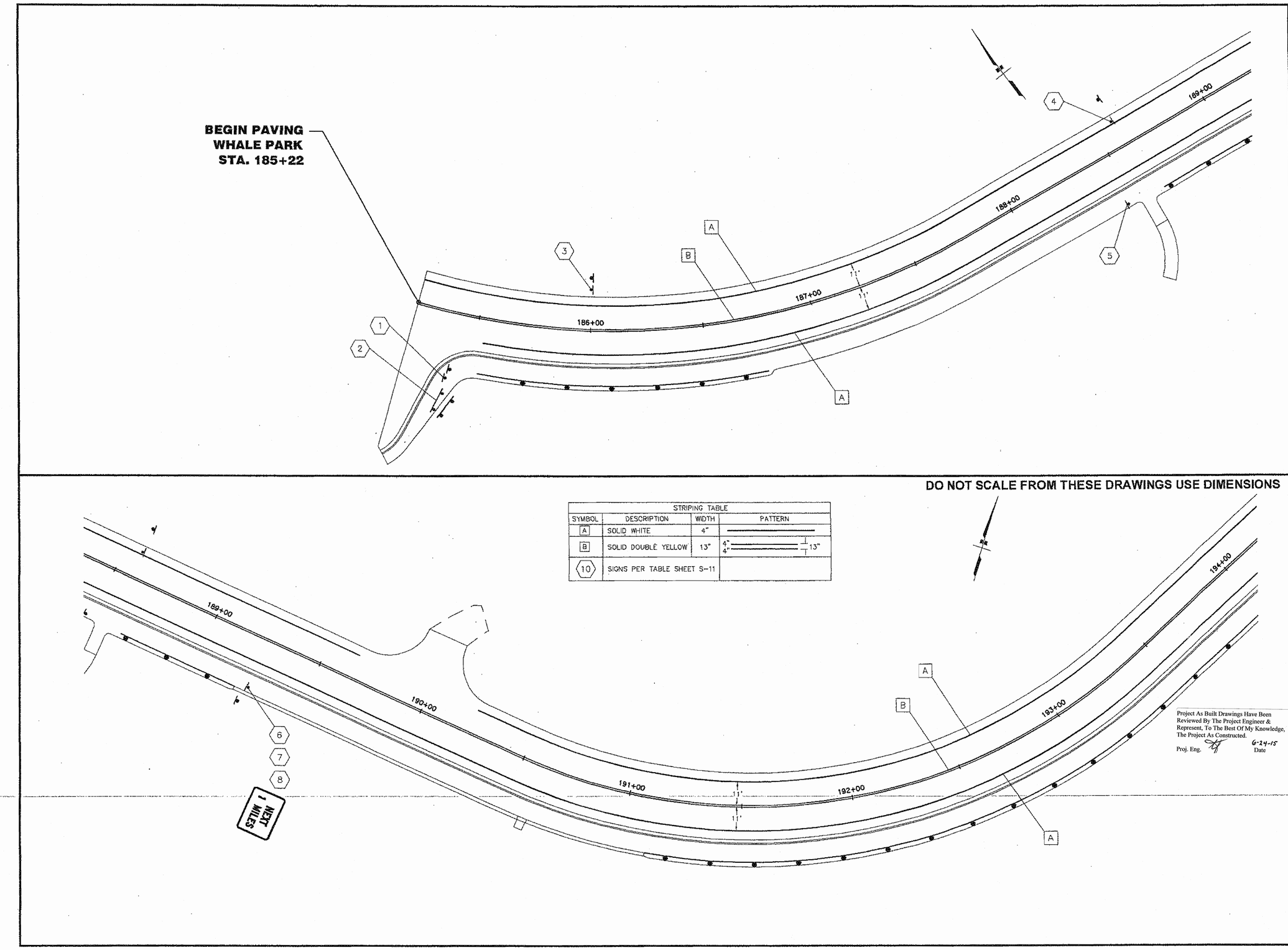
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

ESCP BRIDGE REPAIR BMPS

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
P9	109



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STRIPING TABLE			
SYMBOL	DESCRIPTION	WIDTH	PATTERN
A	SOLID WHITE	4"	
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
10	SIGNS PER TABLE SHEET S-11		

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\11538051\DWGS\C\SHEETS\S01-S10

Friday, August 17, 2012 7:22:15 PM

TAB: S01

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA
49TH
Nathan C. Leigh
CE-8386
REGISTERED PROFESSIONAL ENGINEER
8-24-12

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SIGNING & STRIPING PLANS & SUMMARIES

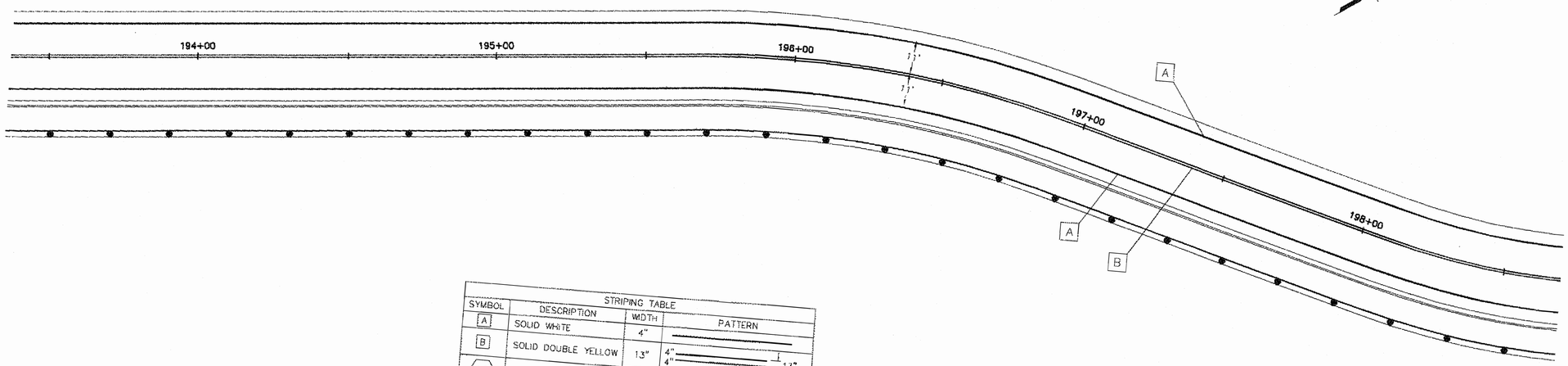
BOP TO STA. 193+50

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

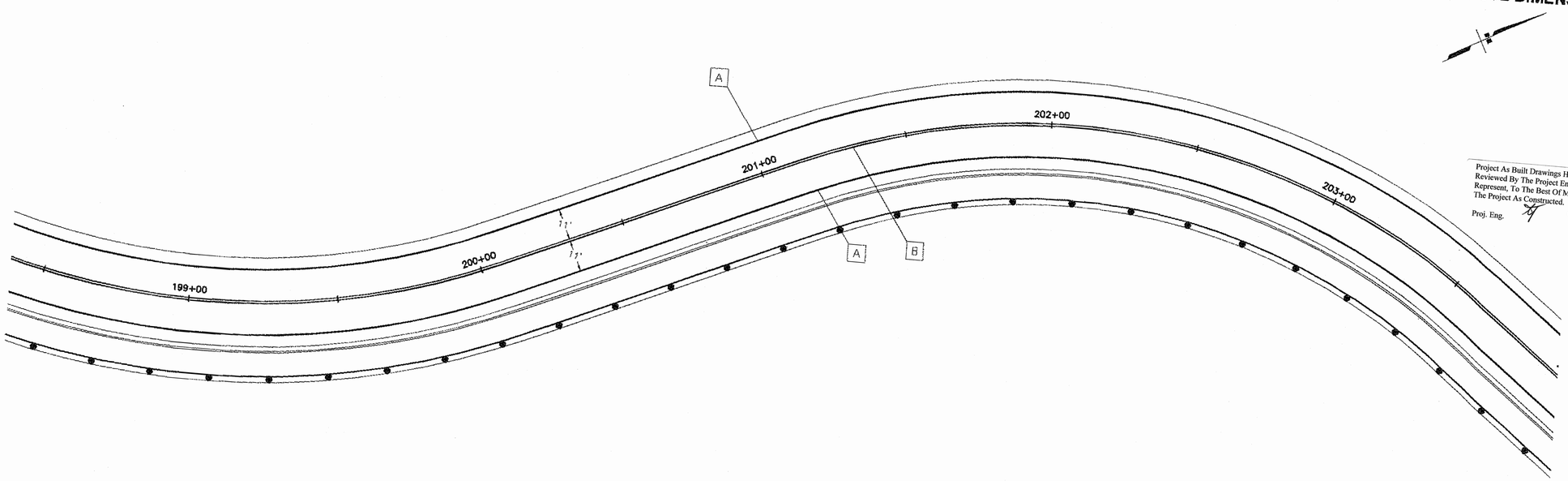
STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
S1	109



STRIPING TABLE			
SYMBOL	DESCRIPTION	WIDTH	PATTERN
A	SOLID WHITE	4"	
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
10	SIGNS PER TABLE SHEET S-11		

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\S01-S10

TAB: S02

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA 49TH Nathan C. Leigh CE-8396 3/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SIGNING & STRIPING PLANS & SUMMARIES

STA. 193+50 TO STA. 203+50

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S2	109

STRIPING TABLE			
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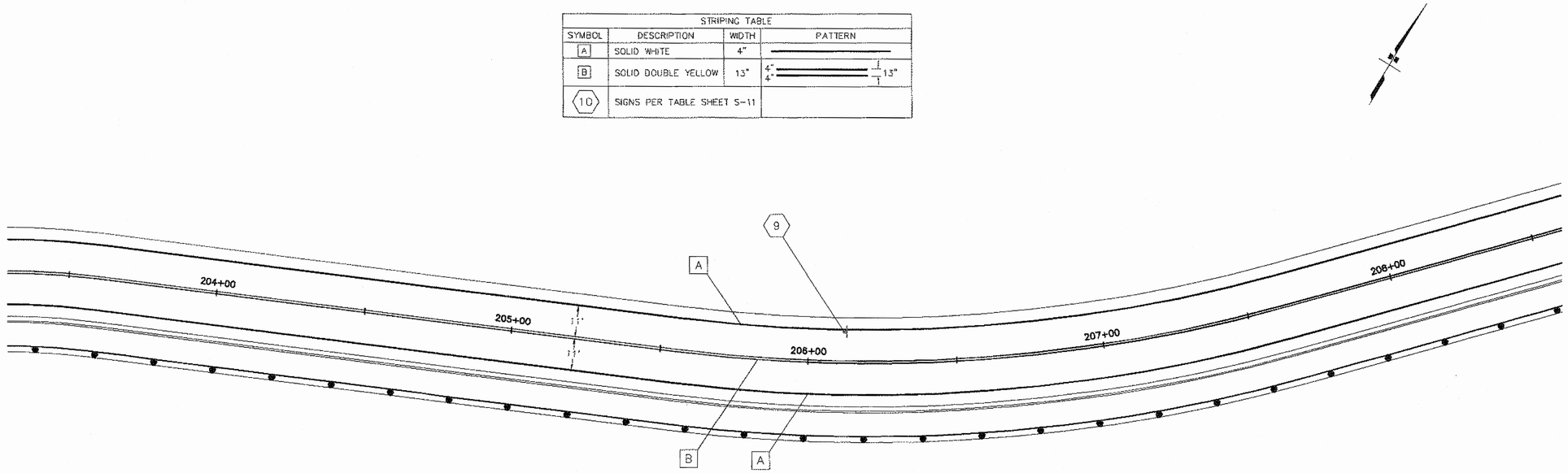
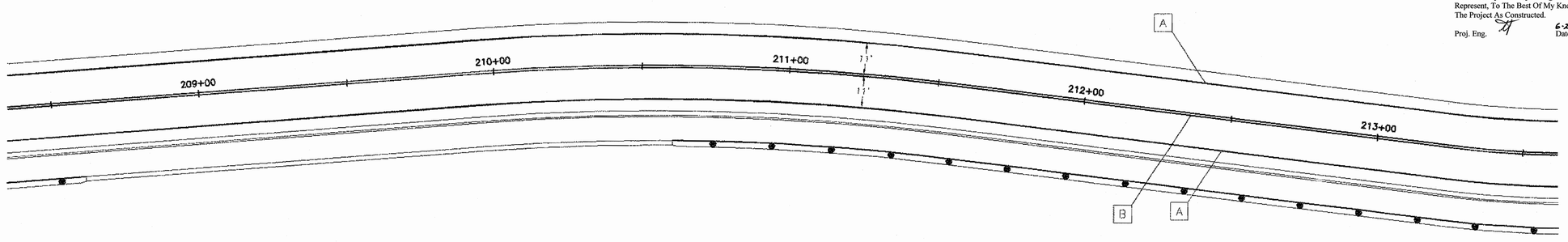
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
10	SIGNS PER TABLE SHEET S-11		



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\S01-S10

TAB: S03

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

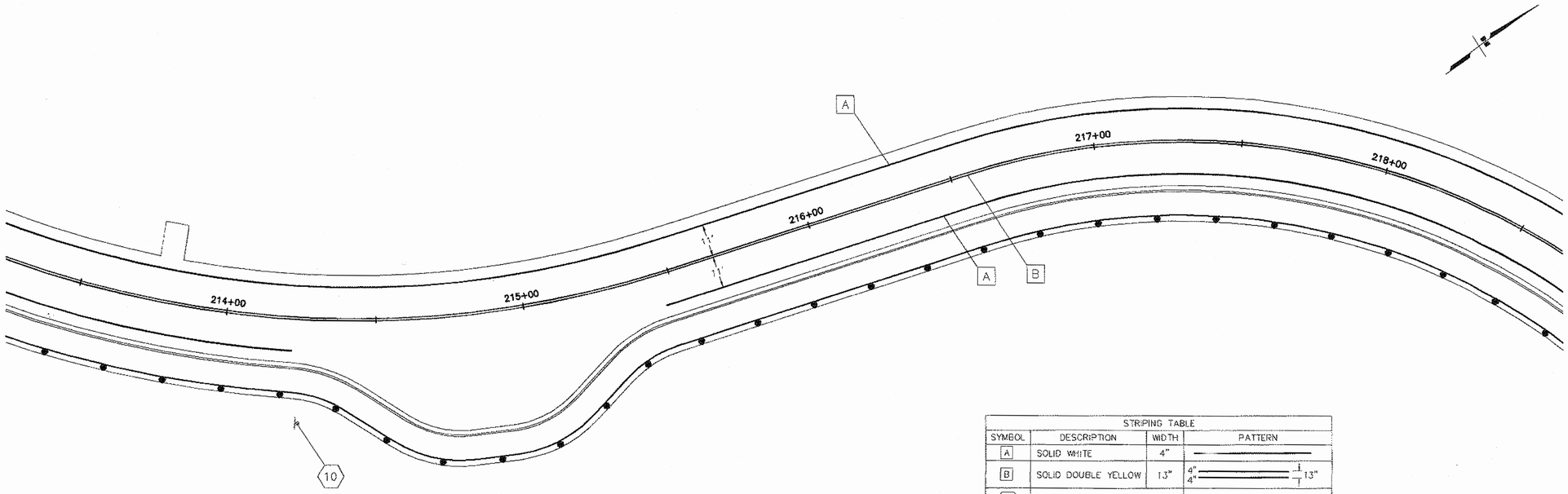
SIGNING & STRIPING PLANS & SUMMARIES

STA. 203+50 TO STA. 213+50

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S3	109



STRIPING TABLE			
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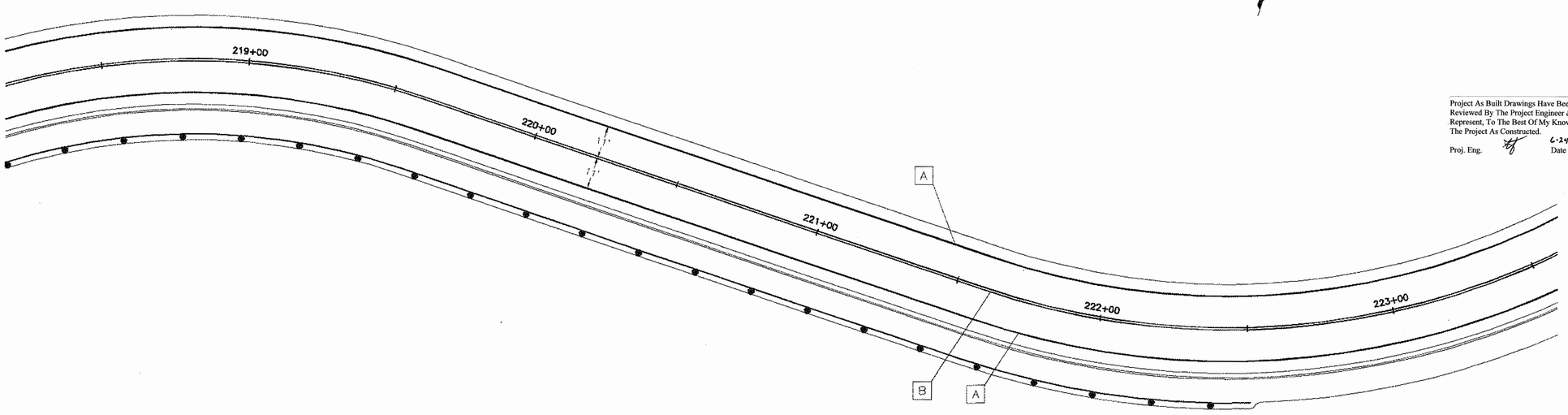
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
10	SIGNS PER TABLE SHEET S-11		

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\S01-S10

TAB: S04

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA 49TH Nathan C. Leigh CE-8388 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SIGNING & STRIPING PLANS & SUMMARIES

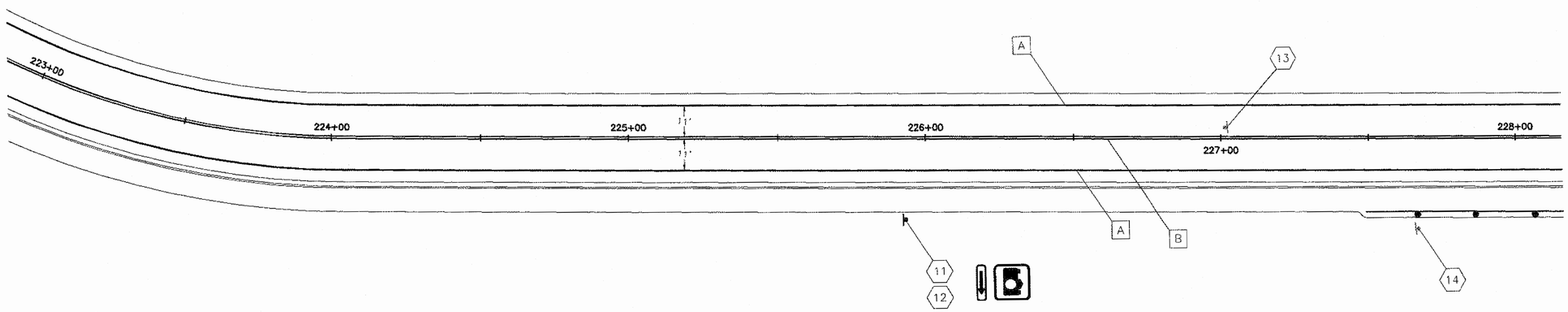
STA. 213+50 TO STA. 223+50

PROJECT DESIGNATION

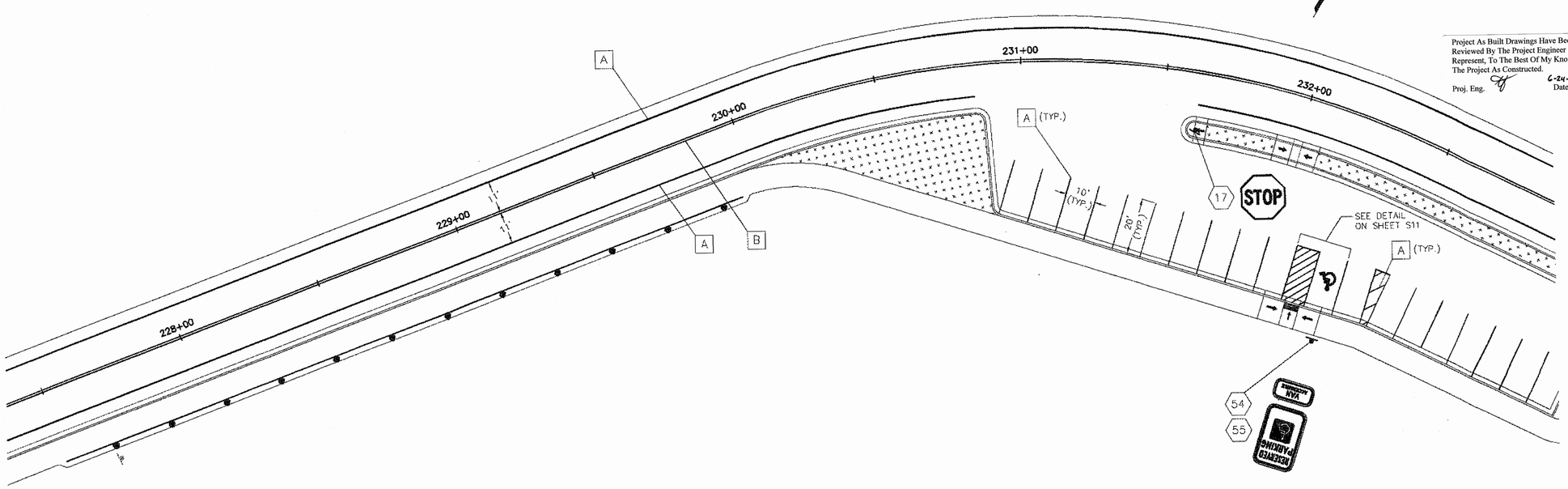
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S4	109

STRIPING TABLE			
SYMBOL	DESCRIPTION	WIDTH	PATTERN
A	SOLID WHITE	4"	
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
10	SIGNS PER TABLE SHEET S-11		



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\S01-S10

TAB: S05

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SIGNING & STRIPING PLANS & SUMMARIES

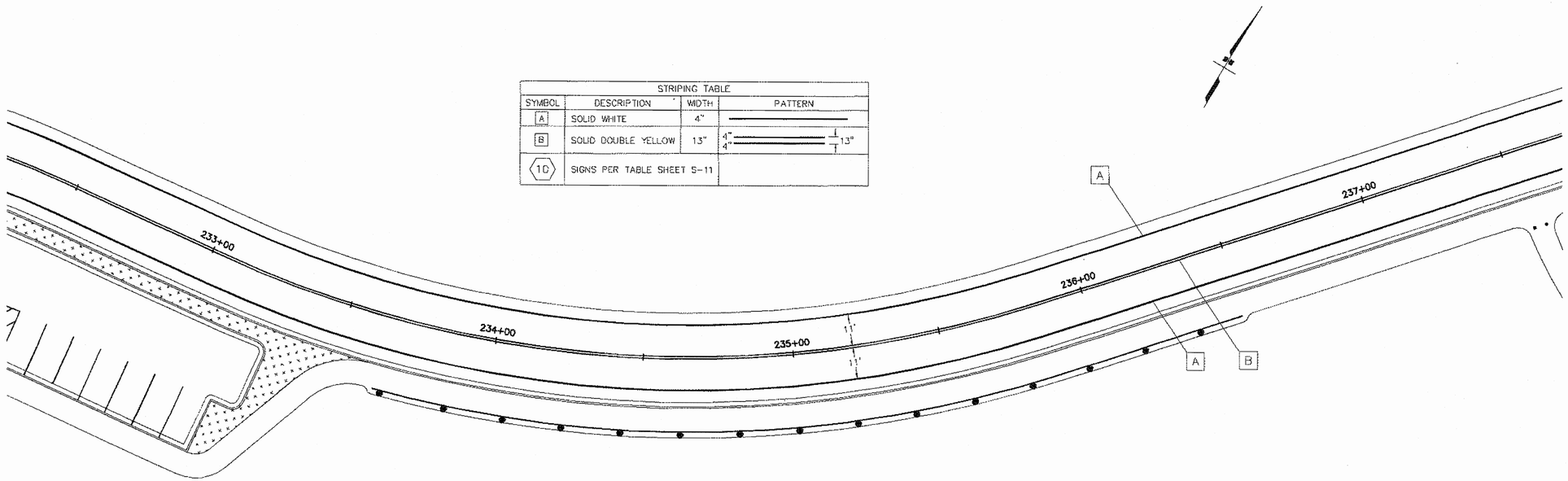
STA. 223+50 TO STA. 232+50

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S5	109

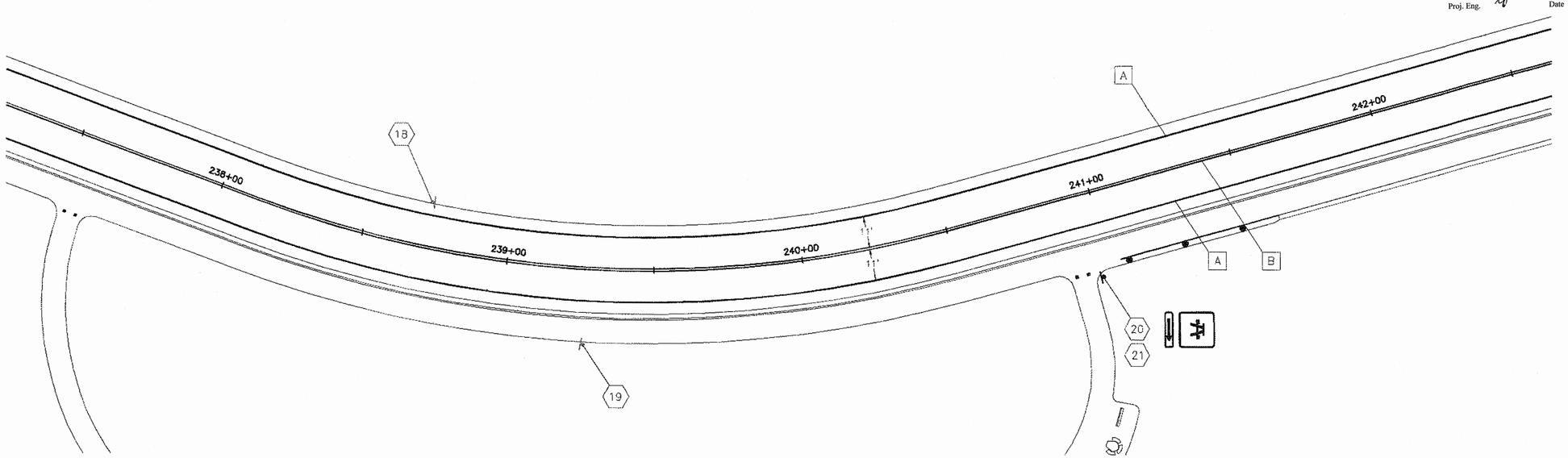
STRIPING TABLE			
SYMBOL	DESCRIPTION	WIDTH	PATTERN
A	SOLID WHITE	4"	
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
1D	SIGNS PER TABLE SHEET S-11		



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date



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TAB: S06

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 3/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

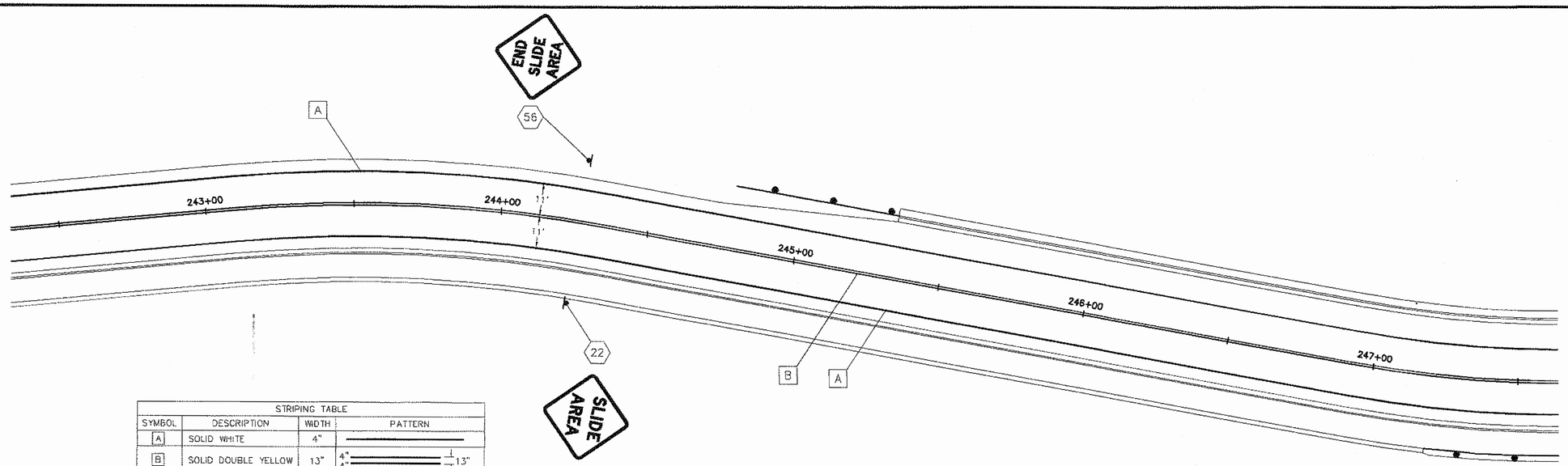
SIGNING & STRIPING PLANS & SUMMARIES

STA. 232+50 TO STA. 242+50

PROJECT DESIGNATION

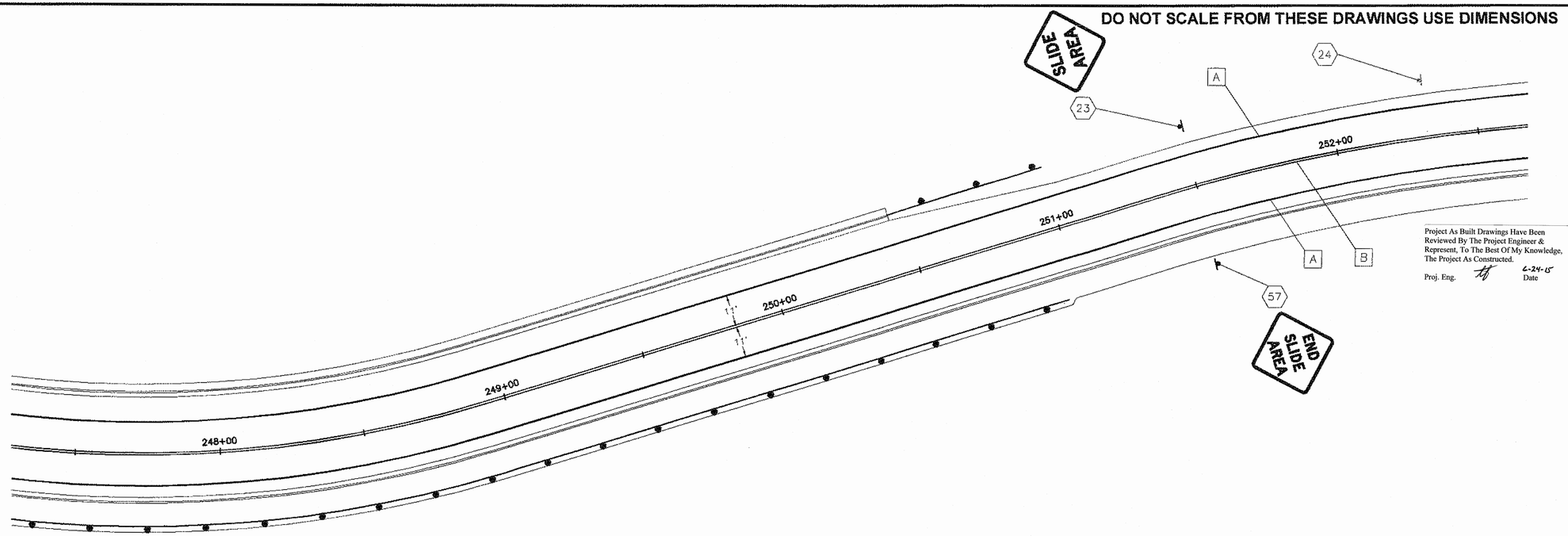
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S6	109



STRIPING TABLE			
SYMBOL	DESCRIPTION	WIDTH	PATTERN
A	SOLID WHITE	4"	
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
10	SIGNS PER TABLE SHEET S-11		

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. Date 6-24-15

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\S01-S10

TAB: S07

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 5/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

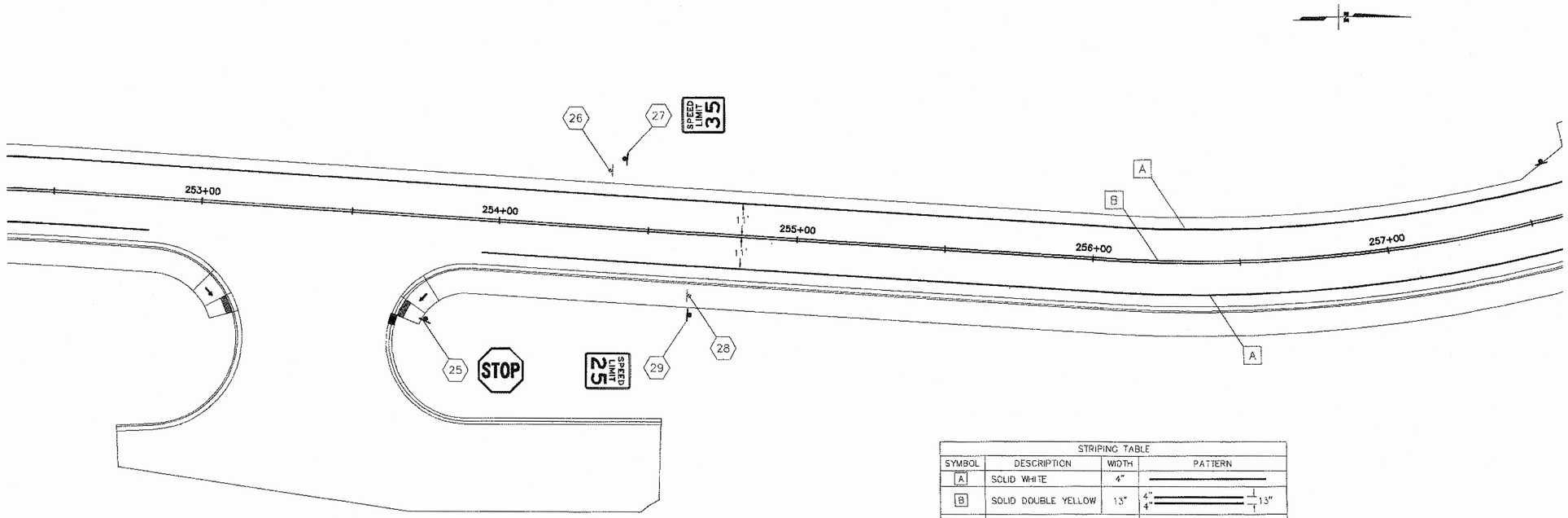
DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SIGNING & STRIPING PLANS & SUMMARIES

STA. 242+50 TO STA. 252+50

PROJECT DESIGNATION	
68216\MSG-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S7	109

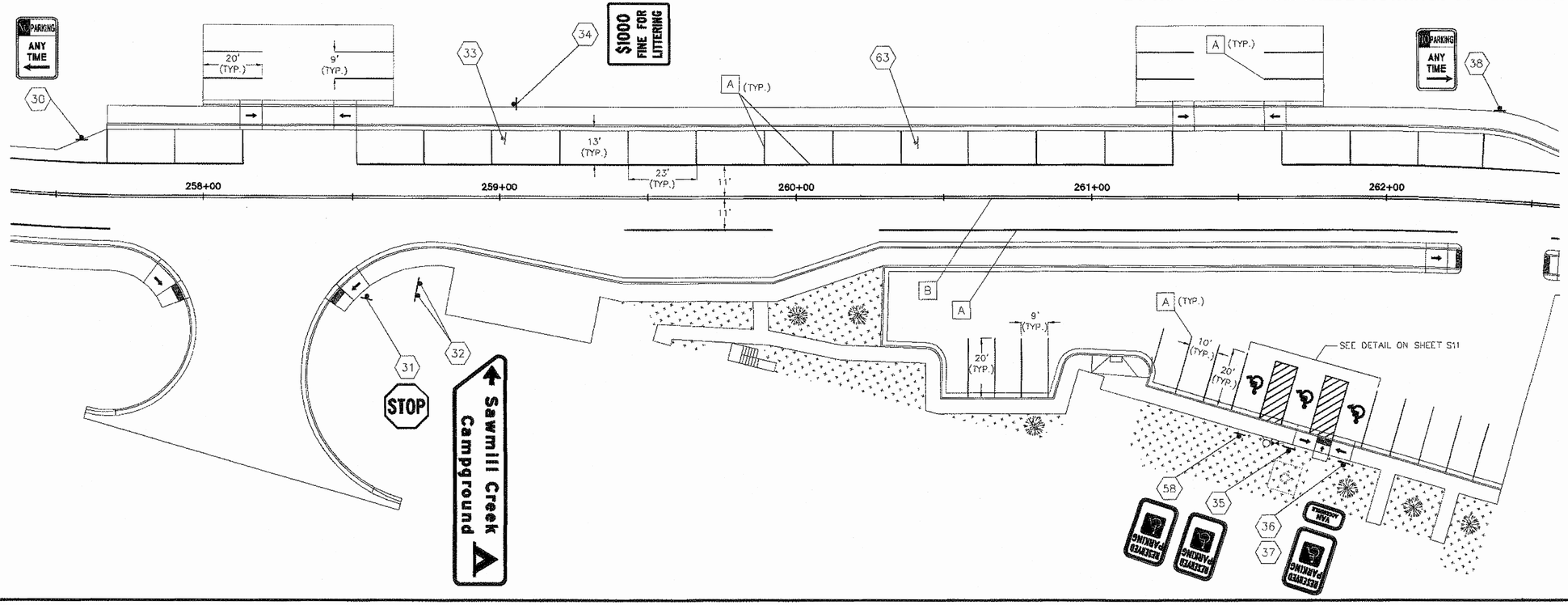


STRIPING TABLE			
SYMBOL	DESCRIPTION	WIDTH	PATTERN
A	SOLID WHITE	4"	
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
10	SIGNS PER TABLE SHEET S-11		

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



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TAB: S08

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 8/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

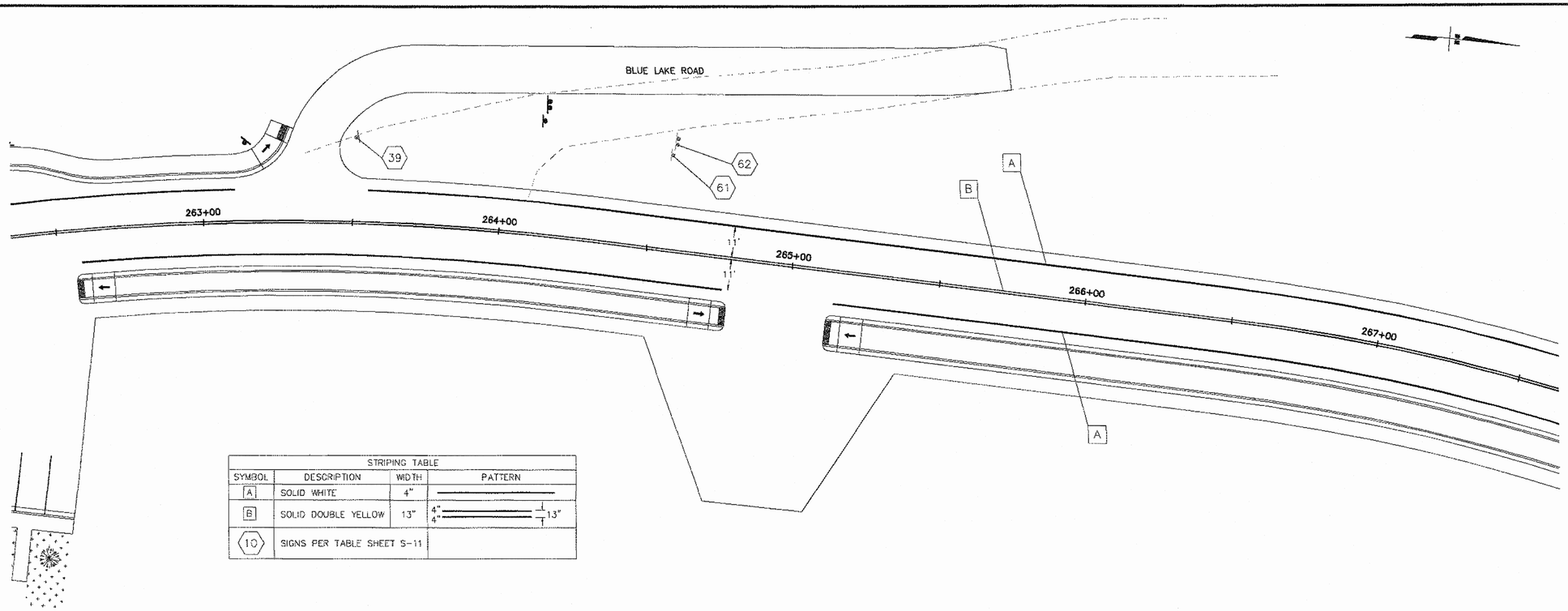
SIGNING & STRIPING PLANS & SUMMARIES

STA. 252+50 TO STA. 262+50

PROJECT DESIGNATION

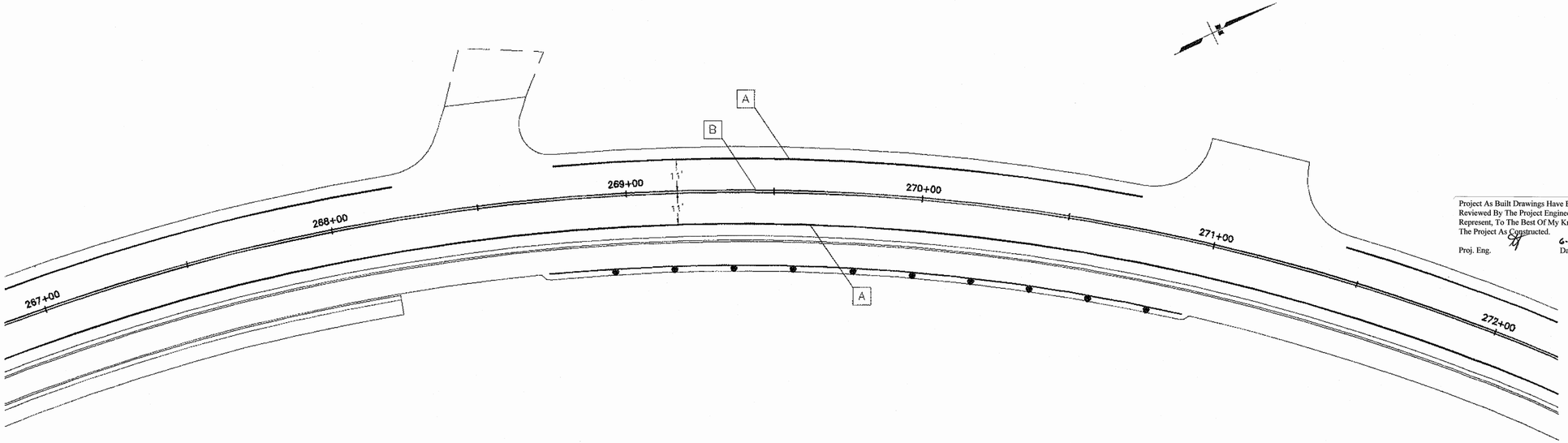
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S8	109



STRIPING TABLE			
SYMBOL	DESCRIPTION	WIDTH	PATTERN
A	SOLID WHITE	4"	
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
10	SIGNS PER TABLE SHEET S-11		

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153605\DWGS\C\SHEETS\S01-S10

TAB: S09

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 6/24/12 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SIGNING & STRIPING PLANS & SUMMARIES

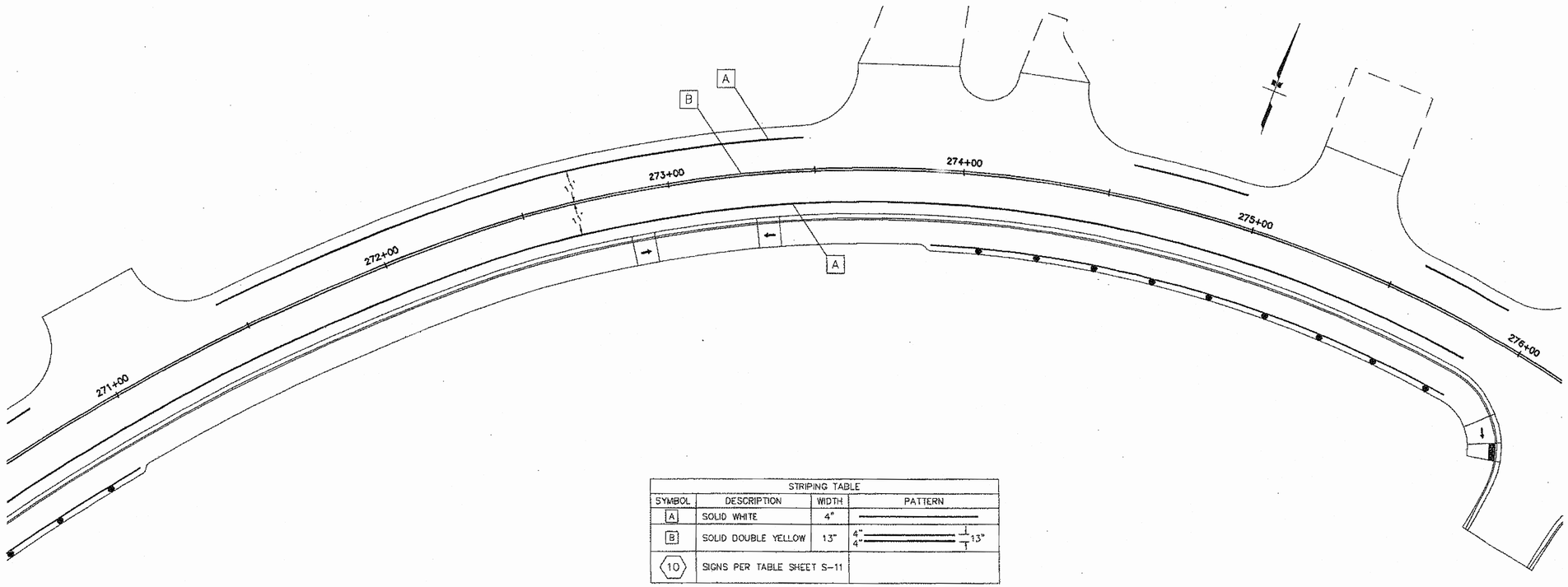
STA. 262+50 TO STA. 272+00

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
S9	109



STRIPING TABLE			
SYMBOL	DESCRIPTION	WIDTH	PATTERN
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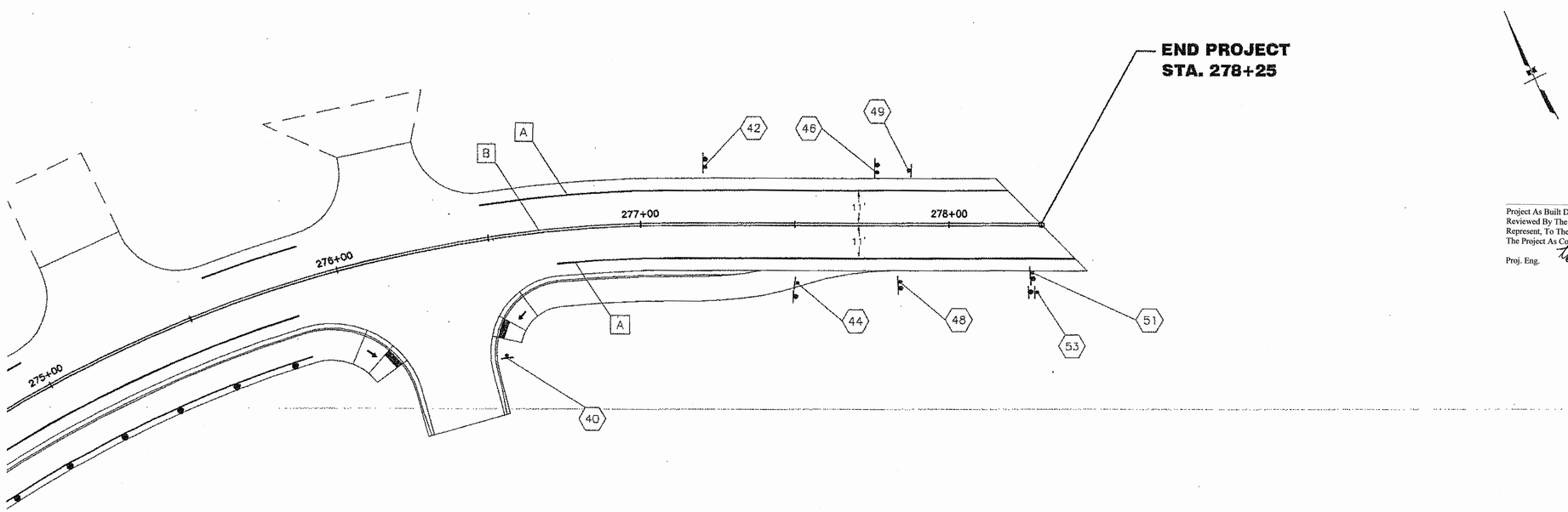
B	SOLID DOUBLE YELLOW	13"	4" 4" 13"
10	SIGNS PER TABLE SHEET S-11		

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

PATH: \\JNUFILE2\JOBS\1153805\DWGS\C\SHEETS\S01-S10

Friday, August 17, 2012 7:22:31 PM

TAB: S10

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: KM

STATE OF ALASKA 49TH Nathan C. Leigh CE-8385 PROFESSIONAL ENGINEER

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SIGNING & STRIPING PLANS & SUMMARIES

STA. 272+00 TO EOP

PROJECT DESIGNATION

68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012

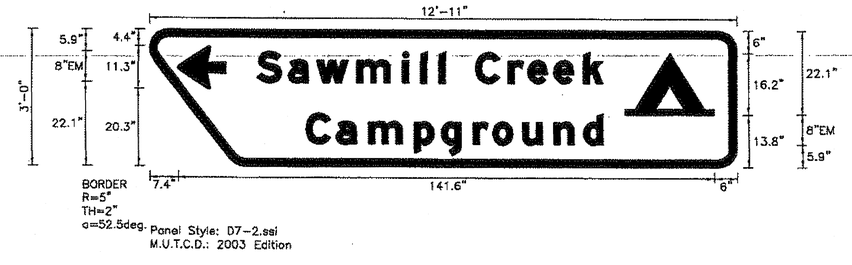
SHEET NUMBER	TOTAL SHEETS
S10	109

SIGN SUMMARY

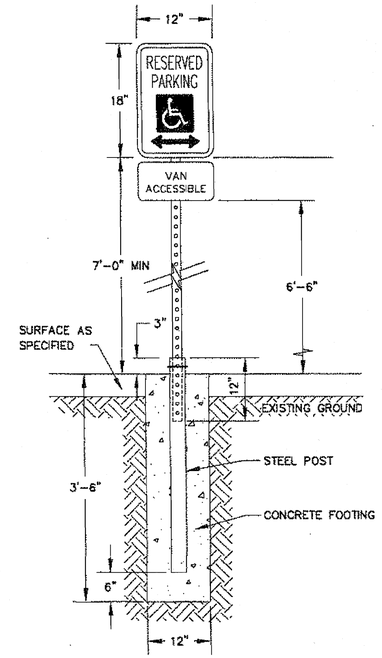
SIGN NO.	STATION	OFFSET LT	OFFSET RT	CODE NO. ASDS	LEGEND	SIZE (INCHES) W	SIZE (INCHES) H	AREA SQ. FT 615(1)	RELOCATE 615(2)	SALVAGE 615(6)	SIGN FACES (SEE NOTE 1)	POST TYPE	REMARKS
1	185+41		X	EXISTING	STOP				X		NB		RELOCATE 3' BEHIND CURB
2	185+39		X	EXISTING	WHALE PARK				X		NB		RELOCATE BEHIND SW
3	186+00	X		EXISTING	WHALE PARK				X		WB		RELOCATE AS NEEDED
4	188+58	X		EXISTING	ADOPT A HIGHWAY				X		WB		RELOCATE AS NEEDED
5	188+46		X	EXISTING	ADOPT A HIGHWAY					X	EB		
6	189+26		X	EXISTING	WINDING ROAD				X		EB		RELOCATE AS NEEDED
7	189+26		X	EXISTING	25 M.P.H.					X	EB		REMOVE FROM POST
8	189+26		X	W7-3A	NEXT 1 MILE	28	18	3.50			EB		REPLACE EXISTING W13-1 WITH W13-1A
9	206+12	X		EXISTING	WINDING ROAD					X	WB		
10	214+25		X	EXISTING	WINDING ROAD					X	EB		
11	225+93		X	D9-102	CAMERA SYMBOL	24	24	4.00			EB	2 ½" PST	
12	225+93		X	D9-301	ARROW PLAQUE	24	6	1.00			EB		
13	227+01	X		EXISTING	WINDING ROAD					X	WB		
14	227+67		X	EXISTING	WINDING ROAD					X	EB		
													NOT USED
													NOT USED
17	231+63		X	R1-1	STOP	30	30	6.25			NB	2 ½" PST	
18	238+71	X		EXISTING	WINDING ROAD					X	WB		
19	239+27		X	EXISTING	SPEED LIMIT 35					X	EB		
20	240+97		X	D7-RM-120	PICNIC SYMBOL	24	24	4.00			EB	2 ½" PST	
21	240+97		X	D9-301	ARROW PLAQUE	24	6	1.00			EB		
22	246+45		X	W16-100	SLIDE AREA	36	36	9.00			EB	2 ½" PST	ATTACH POLE TO BACK OF RETAINING WALL
23	251+05	X		W16-100	SLIDE AREA	36	36	9.00			WB	2 ½" PST	
24	252+32	X		EXISTING	SLIDE AREA					X	WB		
25	253+76		X	R1-1	STOP	30	30	6.25			NB	2 ½" PST	
26	254+36	X		EXISTING	SPEED LIMIT 35					X	WB		
27	254+41	X		R2-1	SPEED LIMIT 35	30	36	7.50			WB	2 ½" PST	
28	254+65		X	EXISTING	SPEED LIMIT 25					X	EB		
29	254+65		X	R2-1	SPEED LIMIT 25	30	36	7.50			EB	2 ½" PST	
30	257+58	X		R7P-101L	NO PARKING ANY TIME <---	12	18	1.50			NB	2 ½" PST	
31	258+55		X	R1-1	STOP	30	30	6.25			NB	2 ½" PST	
32	258+72		X	D7-2	SAWMILL CREEK CAMPGROUND	155	36	38.75			EB	2 3½" TS	2 POSTS, SEE DETAIL ON SHEET S11
33	259+01	X		EXISTING	FINE FOR LITTERING $1000					X	WB		
34	259+05	X		R16-106	FINE FOR LITTERING $1000	42	42	12.25			WB	4"x6" W	(MAY SUBSTITUTE 3" TS)
63	260+41	X		EXISTING	NO PARKING ON PAVEMENT...					X	WB		
35	261+67		X	R7-8	ADA RESERVED PARKING	12	18	1.50			SB	2 ½" PST	BEHIND SIDEWALK AT ADA PARKING SPACE
36	261+85		X	R7-8	ADA RESERVED PARKING	12	18	1.50			SB	2 ½" PST	BEHIND SIDEWALK AT ADA PARKING SPACE
37	261+85		X	R7-8A	VAN ACCESSIBLE	12	6	0.50			EB		BENEATH #36
38	262+38	X		R7P-101R	NO PARKING ANY TIME --->	12	18	1.50			NB	2 ½" PST	
39	263+51	X		EXISTING	STOP				X		WB		RELOCATE TO STA. 263+14, BEHIND SIDEWALK
40	276+50		X	EXISTING	STOP				X		NB		RELOCATE AS NEEDED
42	277+21	X		EXISTING	OBJECT MARKER				X		EB		RELOCATE AS NEEDED
44	277+51		X	EXISTING	PAVEMENT ENDS				X		EB		RELOCATE AS NEEDED
46	277+77	X		EXISTING	OBJECT MARKER				X		EB		RELOCATE AS NEEDED
48	277+84		X	EXISTING	OBJECT MARKER				X		EB		RELOCATE AS NEEDED
49	277+87	X		EXISTING	ADOPT A HIGHWAY					X	WB		
51	278+27		X	EXISTING	OBJECT MARKER				X		EB		RELOCATE AS NEEDED
53	278+29		X	EXISTING	SAWMILL CREEK				X		EB		RELOCATE AS NEEDED
54	232+32		X	R7-8	ADA RESERVED PARKING	12	18	1.50			SB	2 ½" PST	BEHIND SIDEWALK AT ADA PARKING SPACE
55	232+32		X	R7-8A	VAN ACCESSIBLE	12	6	0.50			EB		BENEATH #54
56	244+26	X		W16-101	END SLIDE AREA	36	36	9.00			WB	2 ½" PST	
57	251+50		X	W16-102	END SLIDE AREA	36	36	9.00			EB	3 ½" PST	
58	261+50		X	R7-8	ADA RESERVED PARKING	12	18	1.50			SB	4 ½" PST	
59	185+41		X	EXISTING	ONE WAY				X		EB		BENEATH #1
60	185+41		X	EXISTING	ONE WAY				X		WB		BENEATH #1
61	264+55		X	EXISTING	RECREATIONAL SIGN				X		EB	2 ½" PST	RELOCATE TO STA. 264+12, 3' FROM EDGE OF ROAD
62	264+56		X	EXISTING	RECREATIONAL SIGNS				X		EB		RELOCATE TO STA. 264+13, 3' FROM EDGE OF ROAD

SIGNING NOTES:

1. FOR THE PURPOSE OF THIS TABLE, SAWMILL CREEK RD IS CONSIDERED AS RUNNING EAST AND WEST.
   TRAFFIC TRAVELING TOWARDS DOWNTOWN SITKA IS CONSIDERED WESTBOUND (WB).
   TRAFFIC TRAVELING TOWARDS BLUE LAKE IS CONSIDERED EASTBOUND (EB).
   TRAFFIC ENTERING FROM THE LEFT OR RIGHT IS CONSIDERED SOUTHBOUND SB) OR NORTHBOUND (NB) RESPECTIVELY.
   SIGN LOCATIONS ARE APPROXIMATE ONLY AND SUBJECT TO MINOR REVISIONS BY THE ENGINEER.
2. EXISTING SIGNS SHALL BE SALVAGED OR REMOVED AND DISPOSED OF AS DIRECTED.



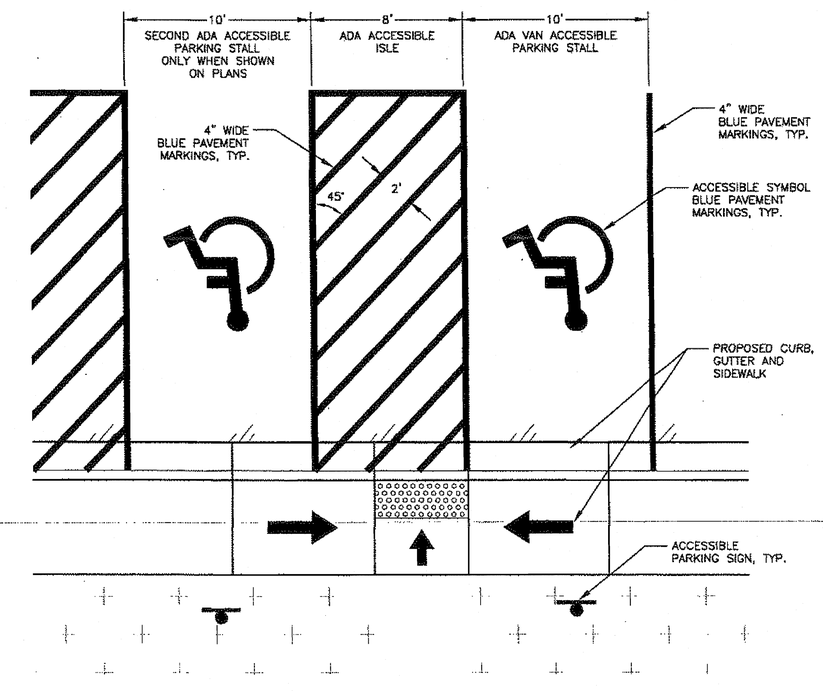
SAWMILL CAMPGROUND SIGN DETAIL



ACCESSIBLE PARKING SIGN DETAIL

NOTES:

1. INSTALL SIGN CENTERED AT THE FRONT OF THE 8 FOOT WIDE ACCESS AISLE
2. SEE SIGN SUMMARY FOR SPECIFIC SIGNAGE



ACCESSIBLE PARKING STALL DETAIL

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. Date 6-24-15

PATH: I:\1153805\DWGS\C\SHEETS\S11.DWG

TAB: S11

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III - WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MSG-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

SIGNING & STRIPING PLANS & SUMMARIES

PREPARED BY: USKH

CHECKED BY: NCL

STATE OF ALASKA 49TH Nathan C. Leigh CE-8386 REGISTERED PROFESSIONAL ENGINEER 6-24-15

DESIGNED BY: NCL

DRAWN BY: WJP

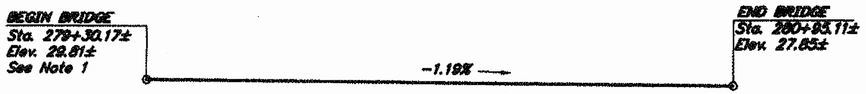
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

SIGNING & STRIPING PLANS & SUMMARIES

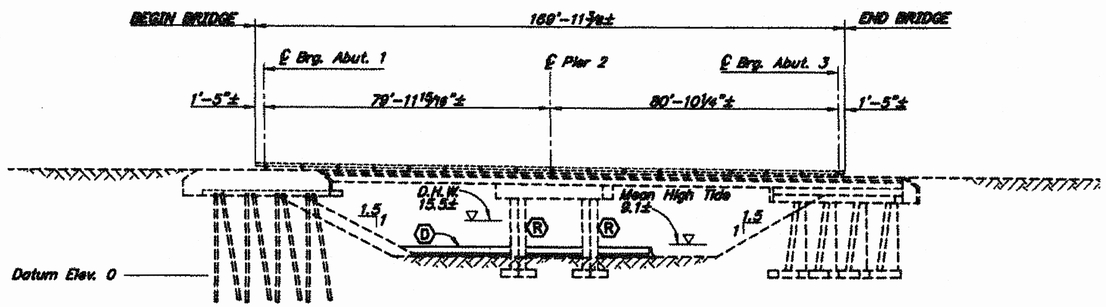
PROJECT DESIGNATION
68216\MSG-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
S11	109

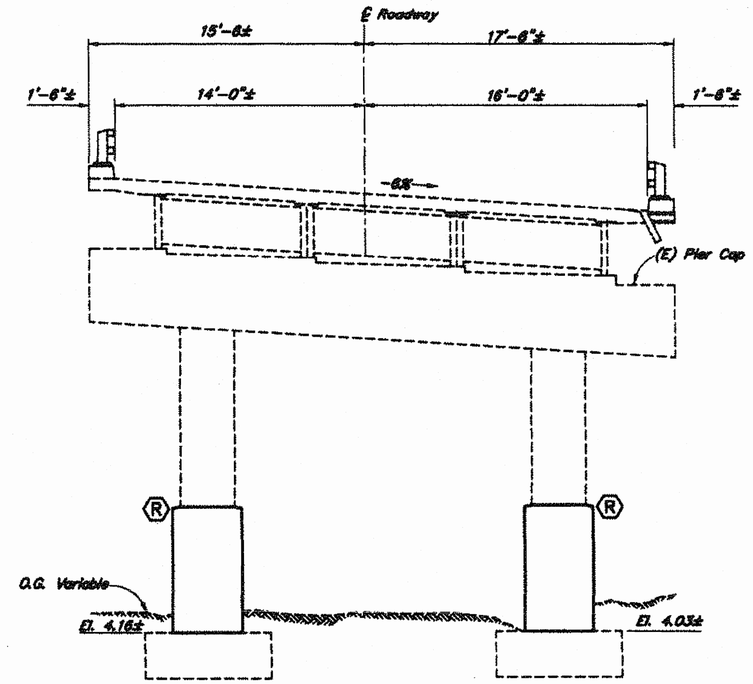
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	68216	2012		



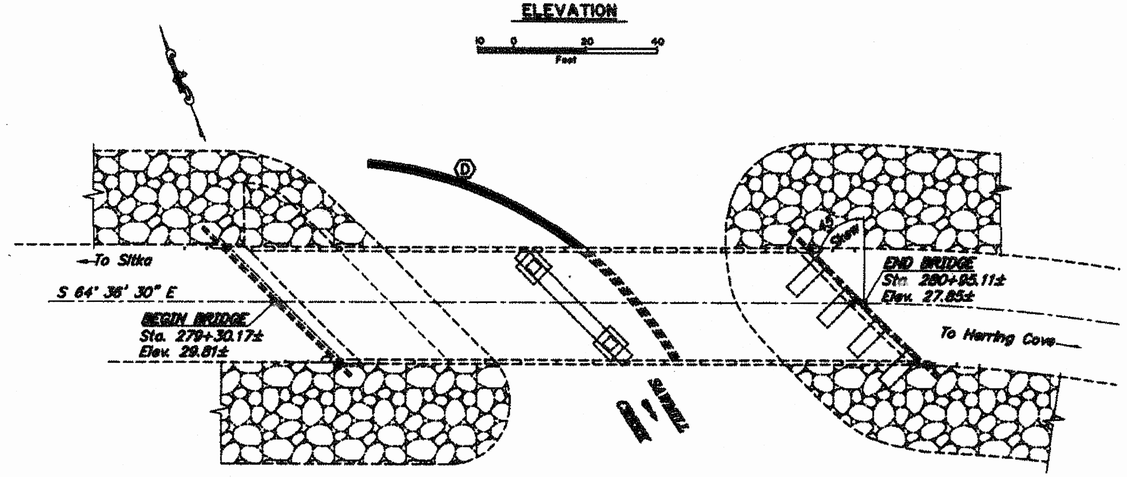
BRIDGE PROFILE GRADE
No Scale



ELEVATION
10 0 20 40
Feet



TYPICAL SECTION
12 0 4 8
In. Feet



PLAN
10 0 20 40
Feet

BRIDGE BASIS OF ESTIMATE

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	SUBST.	SUPERST.	TOTAL
205(1)	Excavation for Structures	LS	CY	25.0	–	25.0
501(9)	Drill & Bond Dowels	EA	EA	160	–	160
501(10)	Class R Concrete	LS	CY	3.7	–	3.7
503(2)	Epoxy-Coated Reinforcing Steel	LS	LBS	322	–	322
641(8)	Temporary Creek Diversion	LS	LS	All Req'd.	–	All Req'd.

Item numbers are for reference only. Quantities shown are not necessarily the pay quantities nor the total quantity of the particular item.

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. [signature] 6-24-15 Date

LEGEND	
D	Temporary Creek Diversion
R	Repair Concrete Columns

NOTE:
1. Stationing is As-Built stationing & unrelated to project stationing.

LEGEND
(E) = Existing
± = Existing
------ = Existing
——— = Proposed

BRIDGE DRAWING INDEX

TITLE	DWG. NO.
GENERAL LAYOUT	1
PIER REPAIR	2
MISCELLANEOUS DETAILS	3

DESIGNED BY: Keith Carlson — Keith C. Carlson	CHECKED: Leslie Daugherty — Leslie Daugherty	LAYOUT BY: Keith Carlson — Keith C. Carlson	CHECKED BY: Leslie Daugherty — Leslie Daugherty
DRAWN BY: C. Anderson — Cathy Anderson	CHECKED: Keith Carlson — Keith C. Carlson	SPECIFICATIONS BY: Keith Carlson — Keith C. Carlson	P S & E COMPARED: Keith Carlson — Keith C. Carlson
QUANTITIES BY: Keith Carlson — Keith C. Carlson	CHECKED: Leslie Daugherty — Leslie Daugherty	APPROVAL RECOMMENDED BY: Richard Pratt	

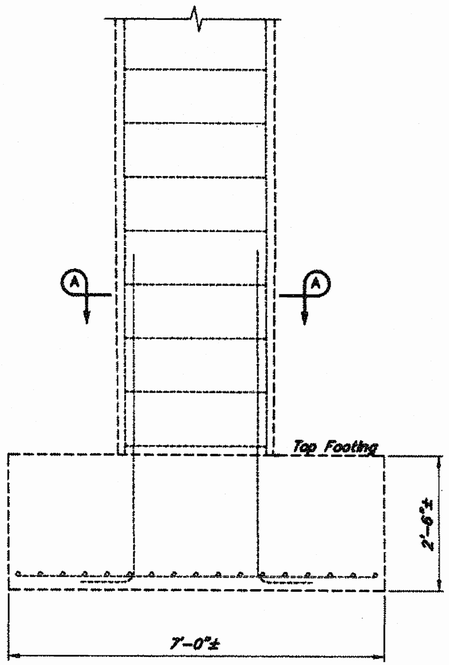
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION

STATE OF ALASKA 49TH Keith C. Carlson Keith C. Carlson No. CE 9477 REGISTERED PROFESSIONAL ENGINEER

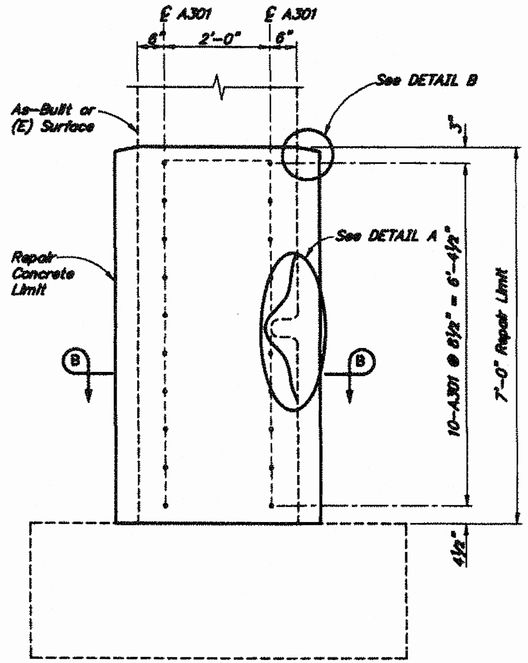
SAWMILL CREEK BRIDGE PIER COLUMN REPAIRS
SAWMILL CREEK ROAD
GENERAL LAYOUT

BRIDGE NO. 432
DWG. NO. 1

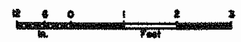
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	68216	2012		

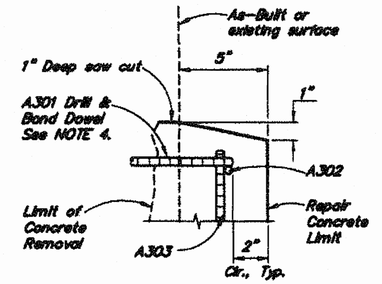


EXISTING PIER

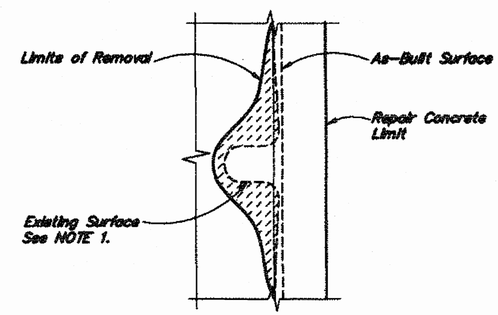


TYPICAL REPAIR DETAIL

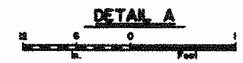




DETAIL B



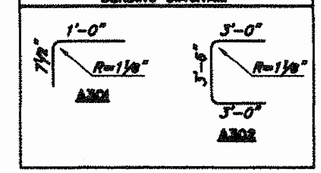
DETAIL A



σ REINFORCING STEEL SCHEDULE

MARK	SIZE	NO.	LENGTH	TYPE
A301	3	80	1'-7½"	Bent
A302	3	20	9'-6"	Bent
A303	3	16	6'-8½"	–

BENDING DIAGRAM



σ – Epoxy Coat

GENERAL NOTES

DESIGN:.....AASHTO LRFD Bridge Design Specifications, 4th. Edition, 2012, with latest Interim Specifications

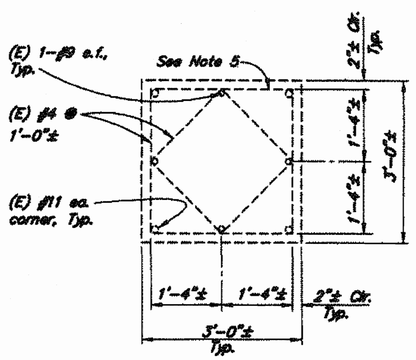
REINFORCEMENT:.....ASTM A706, Fy = 60,000 psi
Space reinforcement evenly unless otherwise noted.

CONCRETE:.....Class R Concrete with AASHTO M43 Gradation No. 7 or No. 8 aggregate, f'c = 4,000 psi.

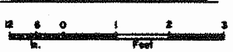
EXISTING MATERIALS:.....Concrete: f'c = 3,300± psi
Max. Aggregate Size: 1½"±
Reinforcing: fy = 40,000± psi
Min. Cover: 2"±

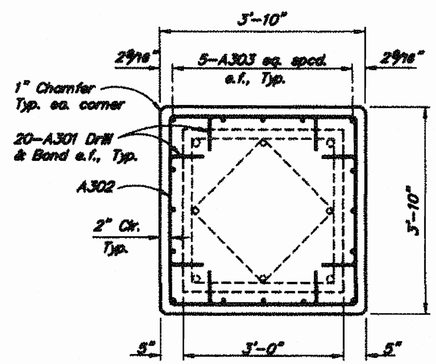
NOTES:

1. Remove loose and deteriorated concrete. Roughen sound concrete to ¼" minimum amplitude. Remove existing concrete to provide a gradually varied repair depth. Avoid large repair depth changes over short distance.
2. Remove loose or deteriorated concrete from exposed reinforcing bar circumference for a minimum clear distance of ¾". Do not remove sound concrete from exposed reinforcing bars. Do not damage existing reinforcing.
3. Abrasive blast clean exposed reinforcing bars and sound concrete surfaces prior to placement of repair concrete.
4. Drill and bond A301 dowels per adhesive manufacturer's directions with embedment depth not less than 4 ½ inches.
5. All existing reinforcing to remain in place. Notify the Engineer of any damaged, deteriorated or missing reinforcing steel.



EXISTING SECTION A-A





REPAIR SECTION B-B

LEGEND

(E) = Existing
± = Existing
------ = Existing
——— = Proposed

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.
Proj. Eng. 6-24-15 Date

DESIGNED BY: Keith Carlson — Keith C. Carlson	CHECKED: Leslie Daugherty — Leslie Daugherty		
DRAWN BY: C. Anderson — Cathy Anderson	CHECKED: Keith Carlson — Keith C. Carlson		
QUANTITIES BY: Keith Carlson — Keith C. Carlson	CHECKED: Leslie Daugherty — Leslie Daugherty		

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION

STATE OF ALASKA 49TH Keith C. Carlson No. CE 9477 6/24/15 Professional Engineer

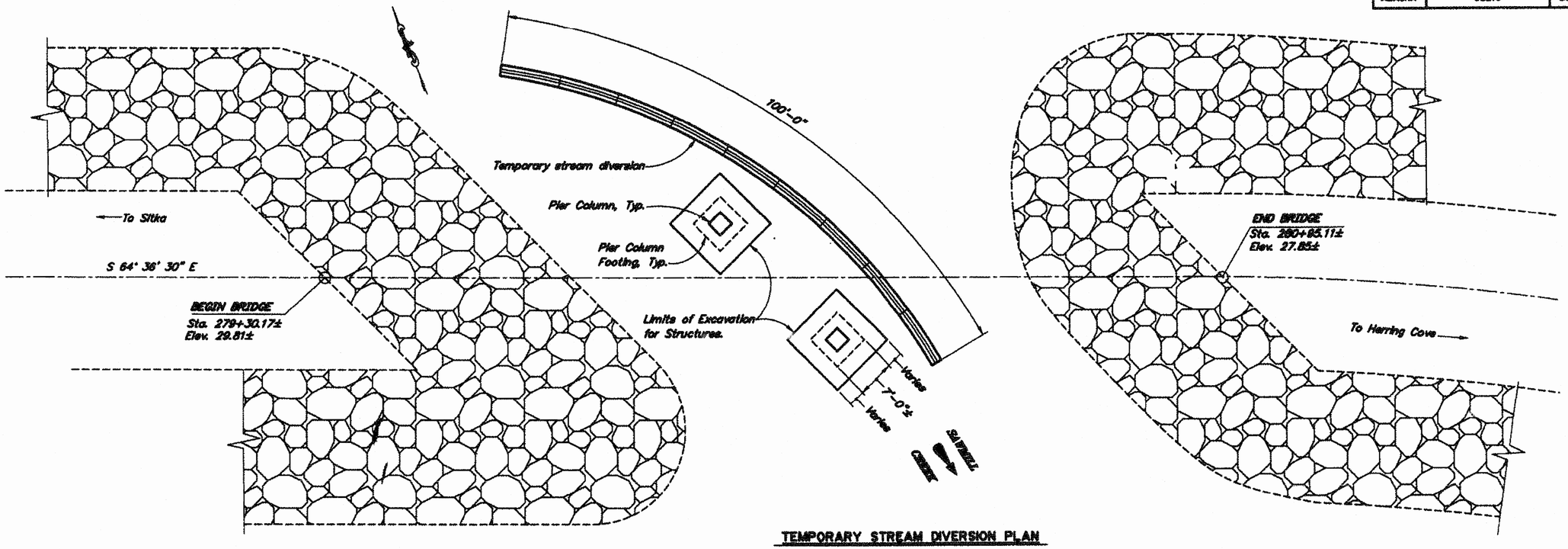
SAWMILL CREEK BRIDGE PIER COLUMN REPAIRS

SAWMILL CREEK ROAD

PIER REPAIR

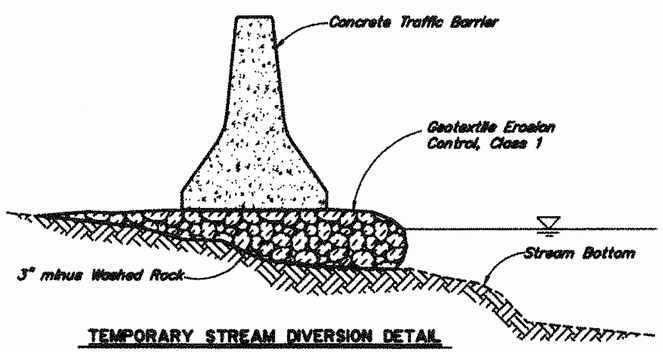
BRIDGE NO. 432
DWG. NO. 2

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	68216	2012		



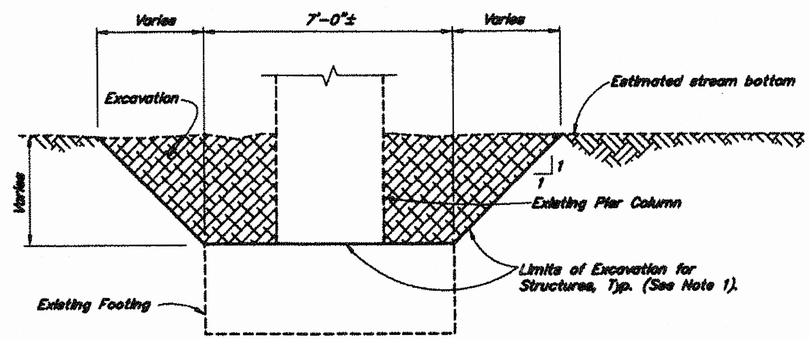
TEMPORARY STREAM DIVERSION PLAN

10 5 0 10 20
Feet



TEMPORARY STREAM DIVERSION DETAIL

12 6 0 1 2
In. Feet



LIMITS OF EXCAVATION FOR STRUCTURES DETAIL

12 6 0 1 2 3 4
In. Feet

NOTE:

1. Excavate to top of footing. Do not damage any portion of structure during excavation and backfill operations.

LEGEND

(E) = Existing
± = Existing
- - - - - = Existing
——— = Proposed

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. [signature] 6-24-15 Date

DESIGNED BY: Keith Carlson — Keith C. Carlson	CHECKED: Leslie Daugherty — Leslie Daugherty
DRAWN BY: C. Anderson — Cathy Anderson	CHECKED: Keith Carlson — Keith C. Carlson
QUANTITIES BY: Keith Carlson — Keith C. Carlson	CHECKED: Leslie Daugherty — Leslie Daugherty

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
BRIDGE SECTION

STATE OF ALASKA 49TH Keith C. Carlson No. CE 6477 REGISTERED PROFESSIONAL ENGINEER

SAWMILL CREEK BRIDGE PIER COLUMN REPAIRS

SAWMILL CREEK ROAD

MISCELLANEOUS DETAILS

BRIDGE NO. 432
DWG. NO. 3

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:

PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: D4

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA
49th
Frank Michael Carson
Frank Michael Carson
EE-5604
REGISTERED PROFESSIONAL ENGINEER
10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

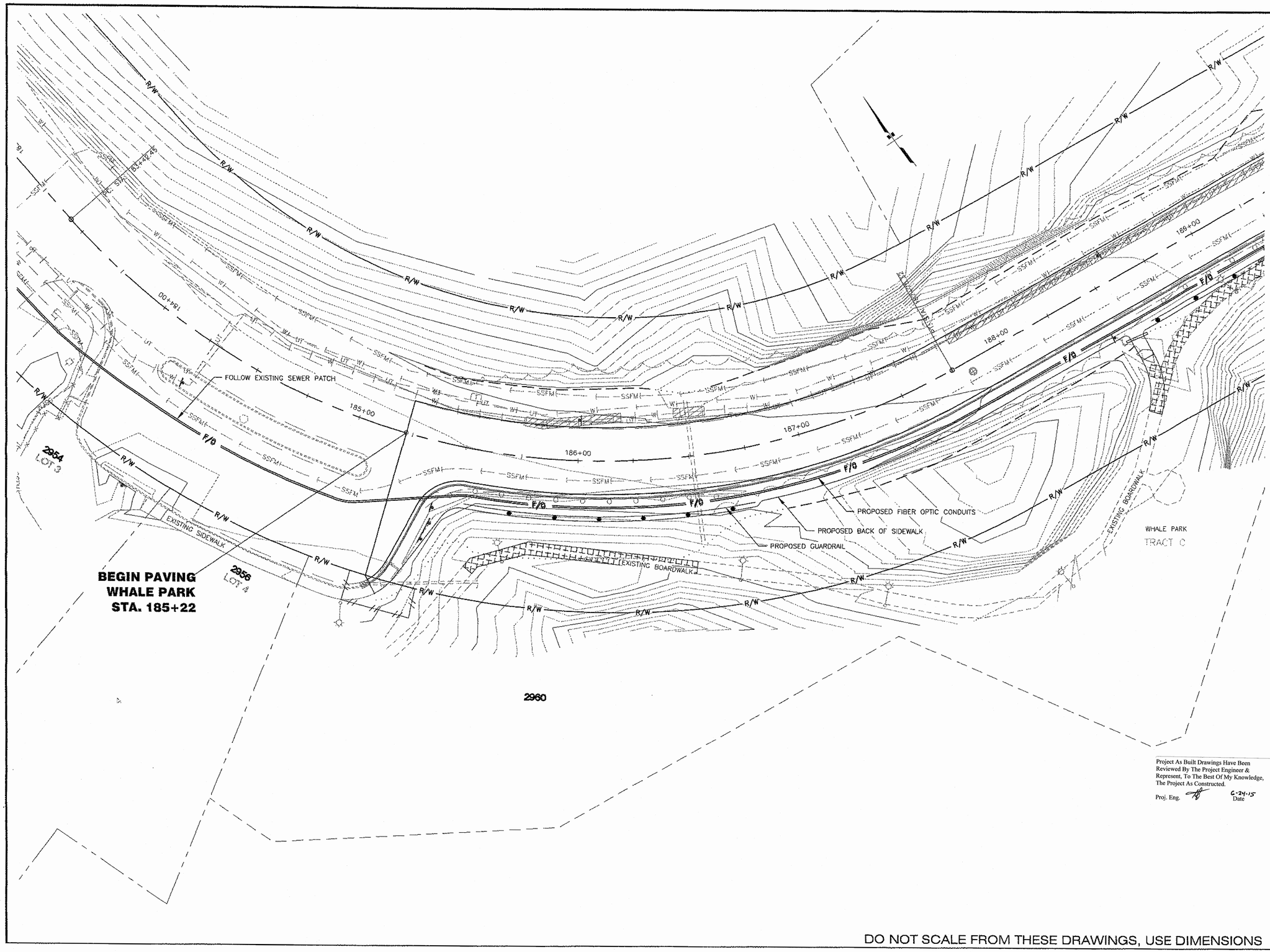
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA. 177+80 TO STA. BOP

PROJECT DESIGNATION NUMBER

68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U00	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:

PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: D4

ADDENDUM NUMBER
1

ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

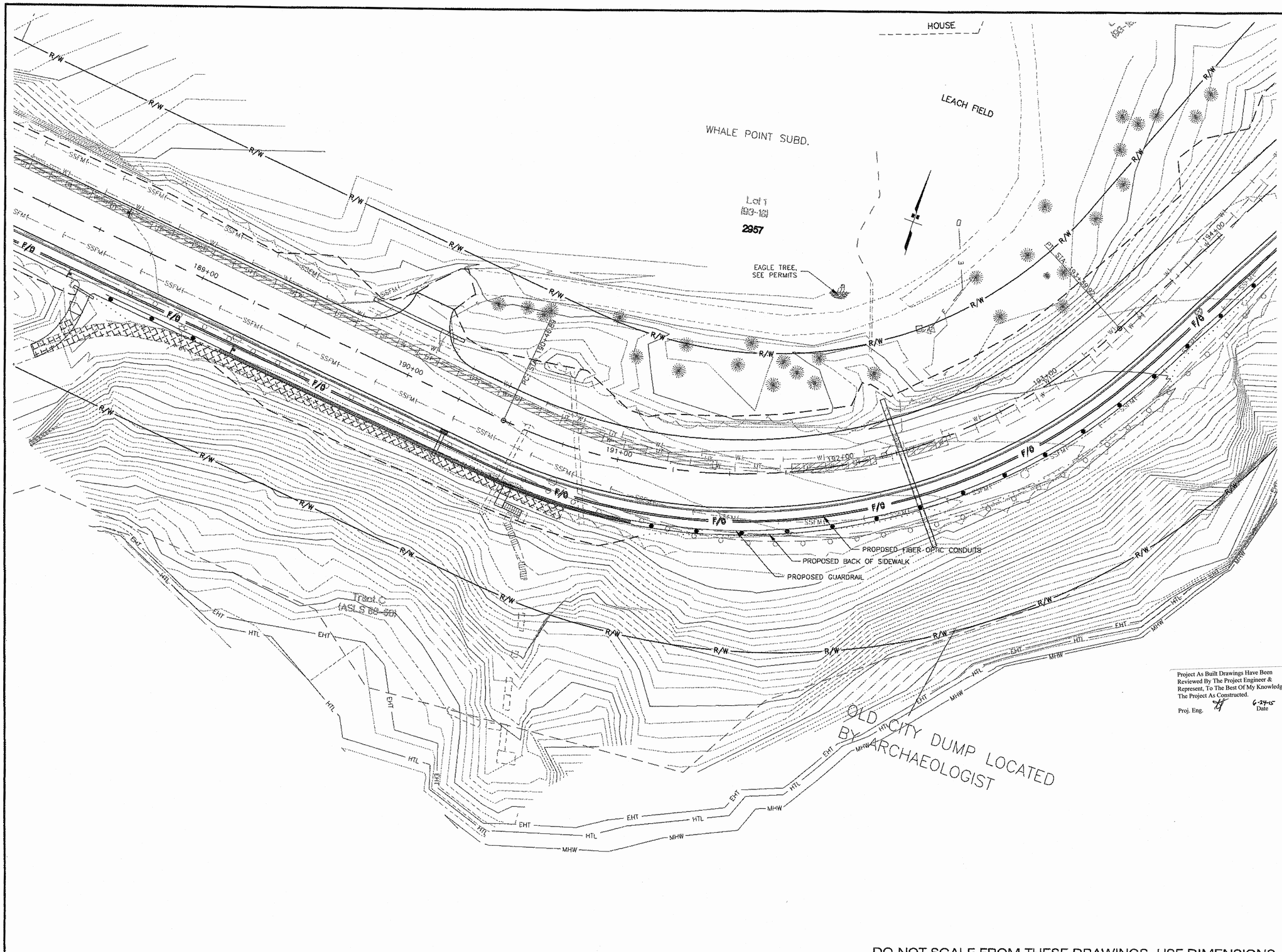
DRAWN BY: M. CARSON

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

ELECTRIC UTILITY PLAN BOP TO STA. 188+50

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U01	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:

PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: D4

ADDENDUM NUMBER
1

ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA
49th
Frank Michael Carson
EE-5604
REGISTERED PROFESSIONAL ENGINEER
10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

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

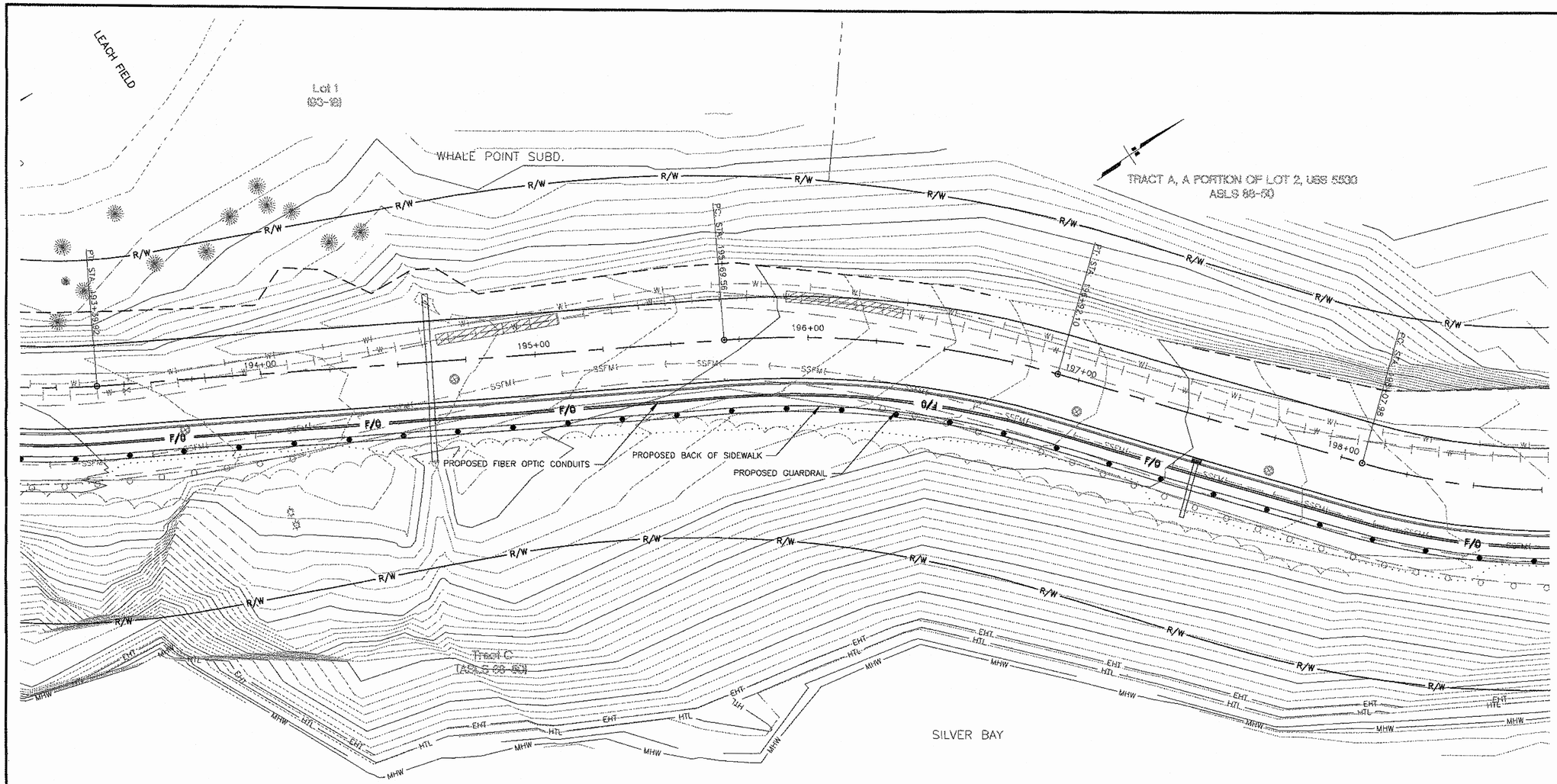
ELECTRIC UTILITY PLAN STA. 188+50 TO STA. 193+50

PROJECT DESIGNATION NUMBER

68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U02	109



R BAY

Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:

PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: D4

ADDENDUM NUMBER
1

ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA
49th
Frank Michael Carson
EE-5604
REGISTERED PROFESSIONAL ENGINEER
10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

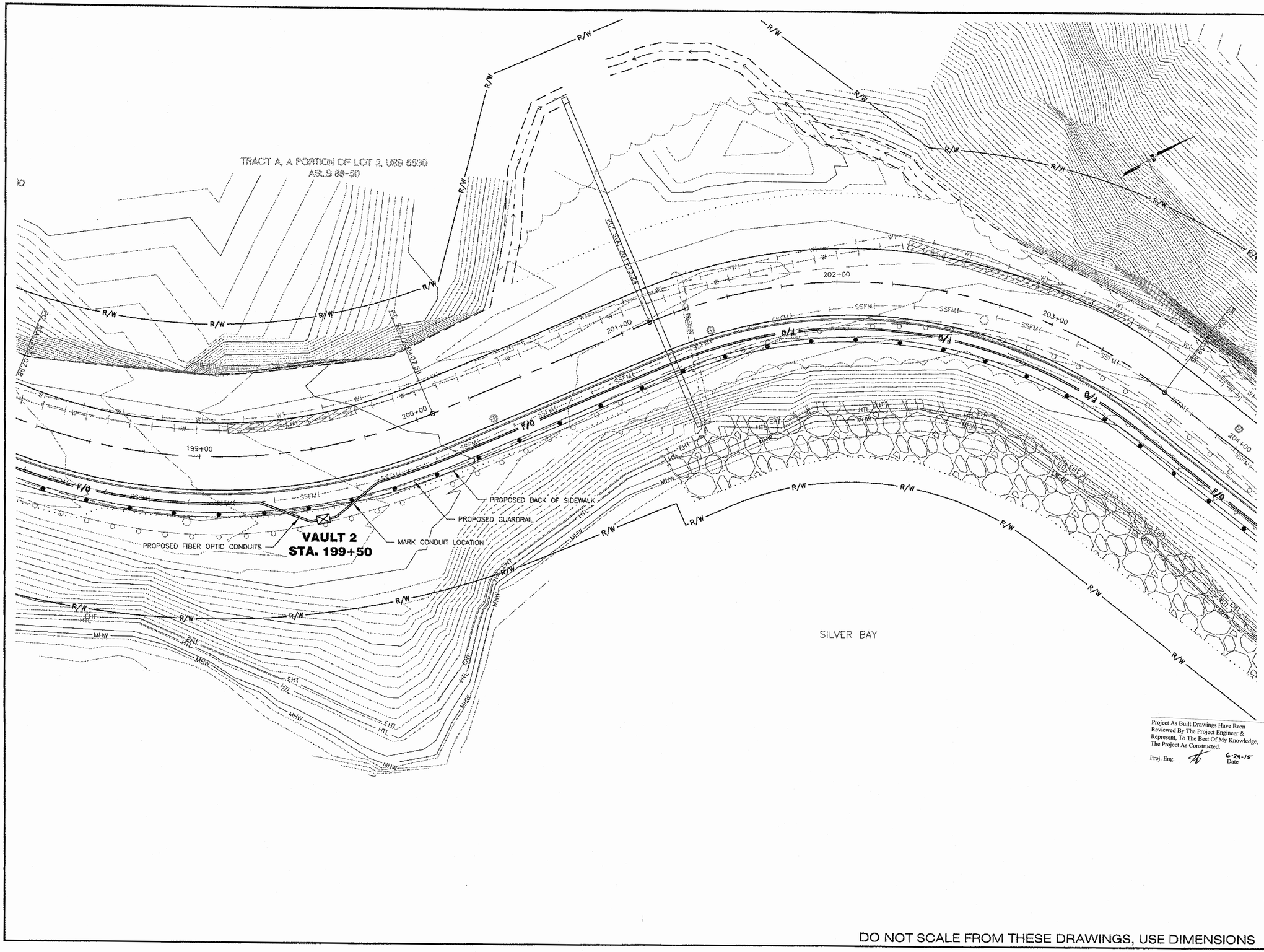
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA. 193+50 TO STA. 198+50

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U03	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:

PLOT:
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ADDENDUM NUMBER
1
ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA
49th
Frank Michael Carson
EE-5604
REGISTERED PROFESSIONAL ENGINEER
10/3/12

CHECKED BY: R. DRYDEN

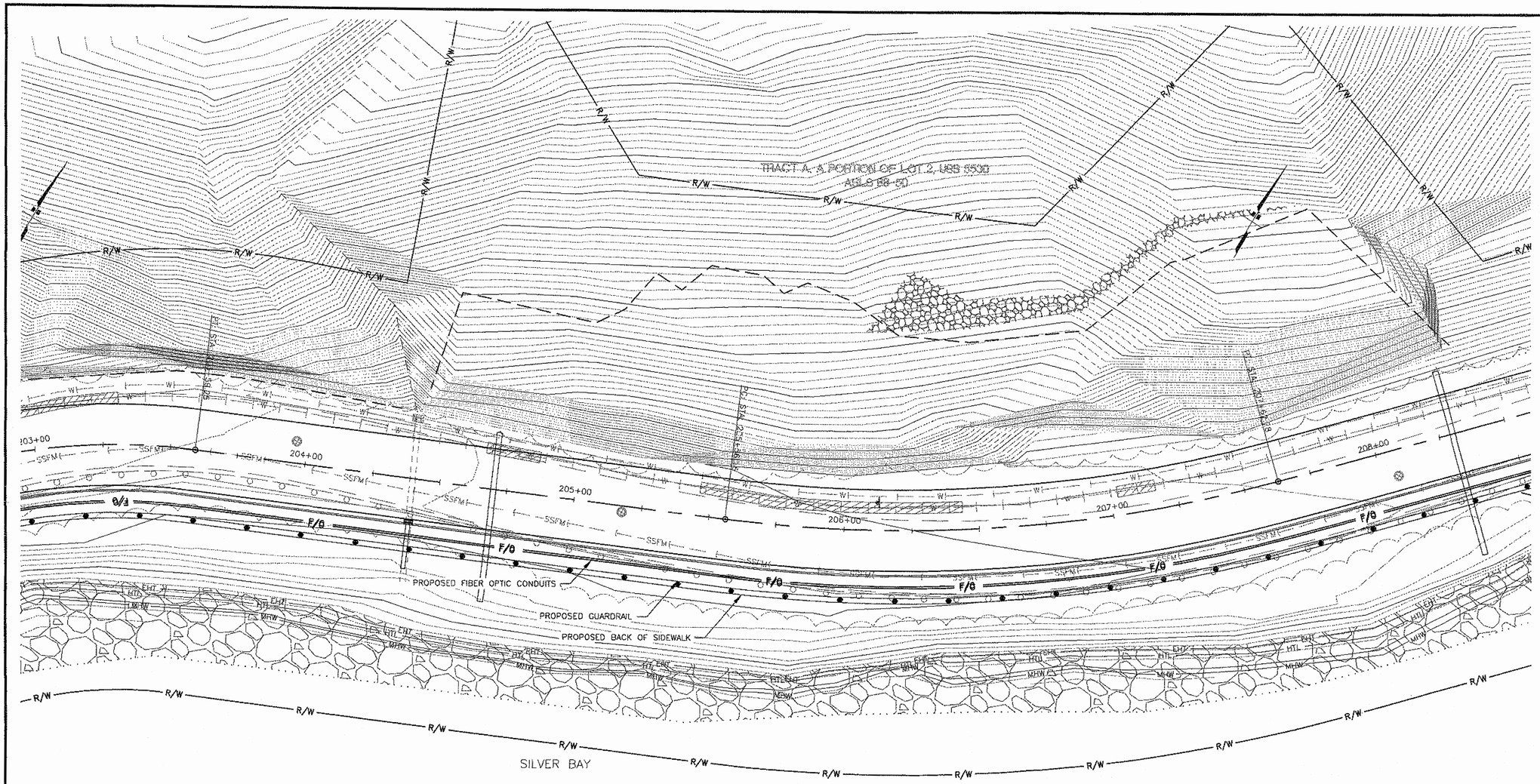
DRAWN BY: M. CARSON

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

ELECTRIC UTILITY PLAN STA. 198+50 TO STA. 203+50

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U04	109



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Proj. Eng. 6-24-15 Date

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ADDENDUM NUMBER

ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

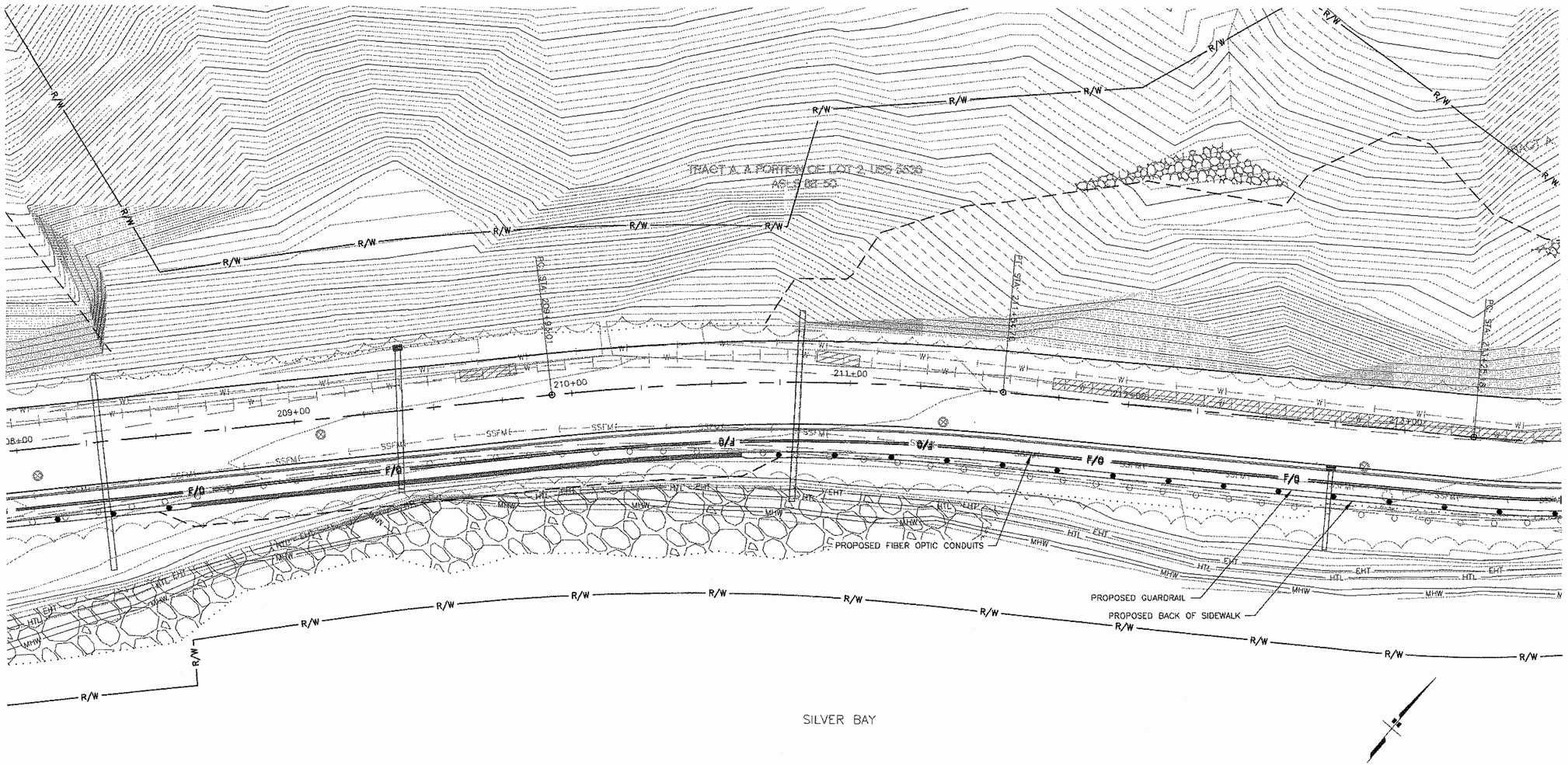
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA. 203+50 TO STA. 208+50

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U05	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

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ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

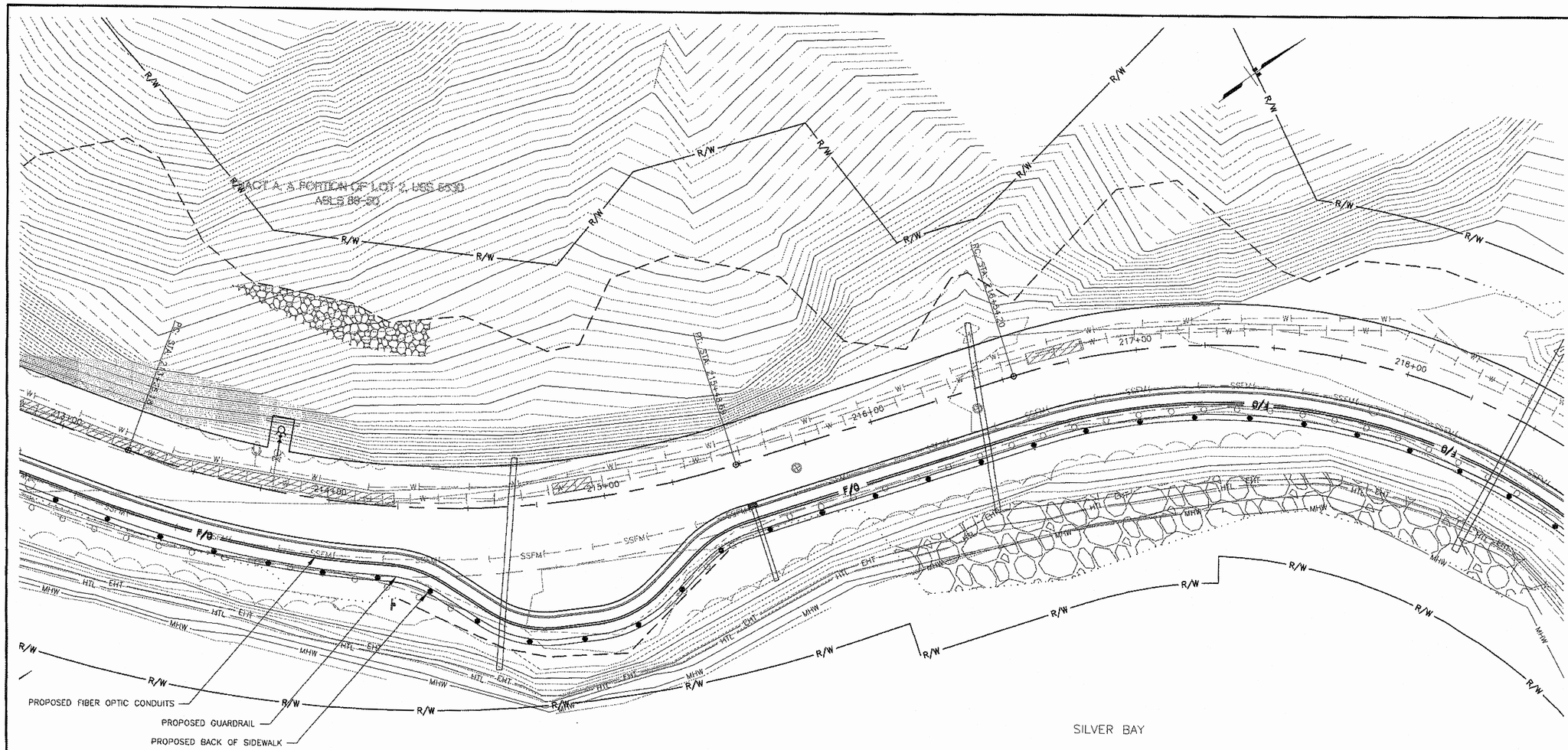
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA. 208+50 TO STA. 213+50

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U06	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

SILVER BAY

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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PLOT:
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ADDENDUM NUMBER

ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216(MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA
49th
Frank Michael Carson
EE-5604
REGISTERED PROFESSIONAL ENGINEER
10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

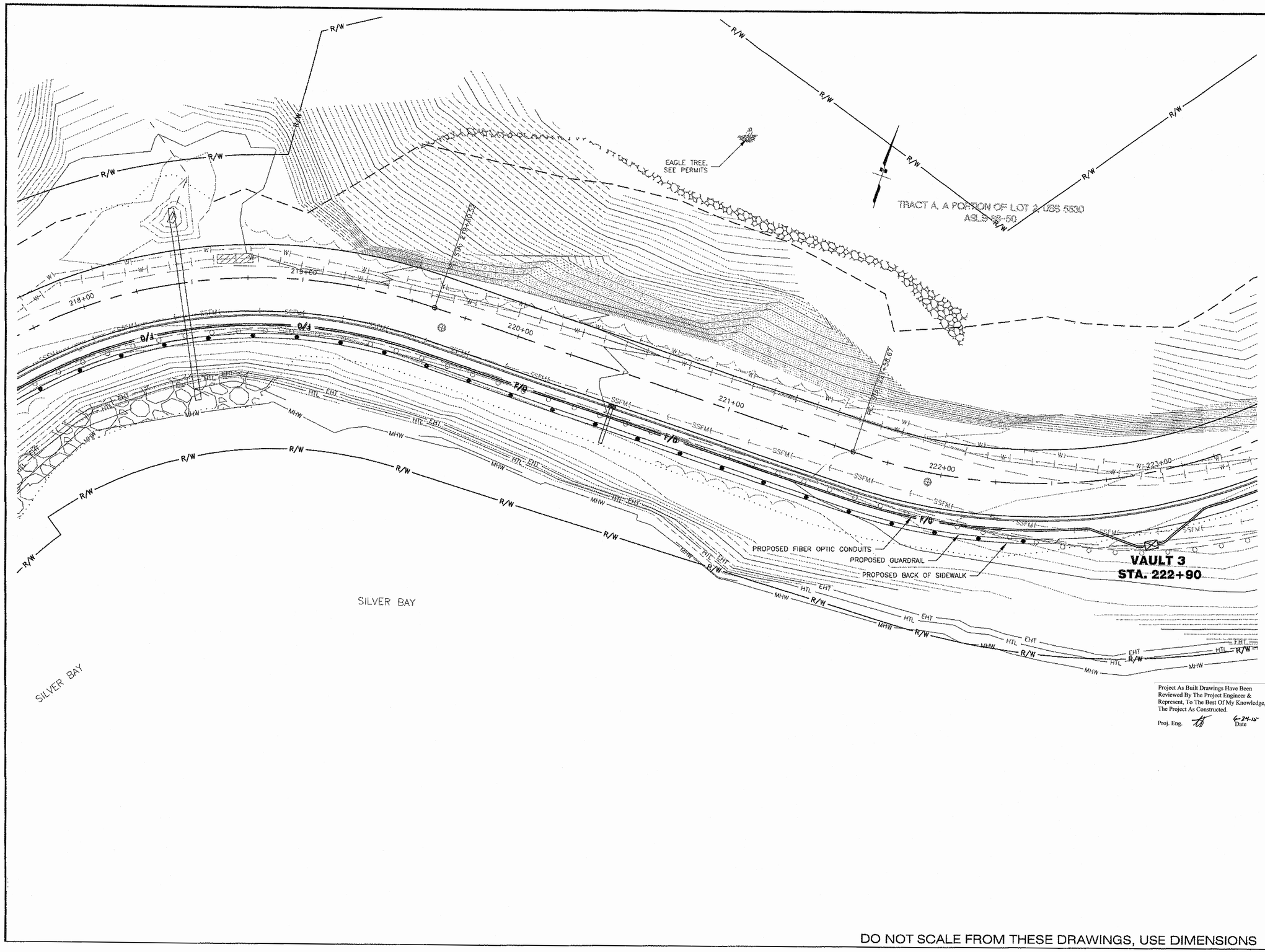
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION DESIGN
& ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA.213+50 TO STA. 218+50

PROJECT DESIGNATION NUMBER

68216(MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U07	109



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ATTACHMENT NUMBER
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RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA
49th
Frank Michael Carson
Frank Michael Carson
EE-5604
REGISTERED PROFESSIONAL ENGINEER
10/3/12

CHECKED BY: R. DRYDEN

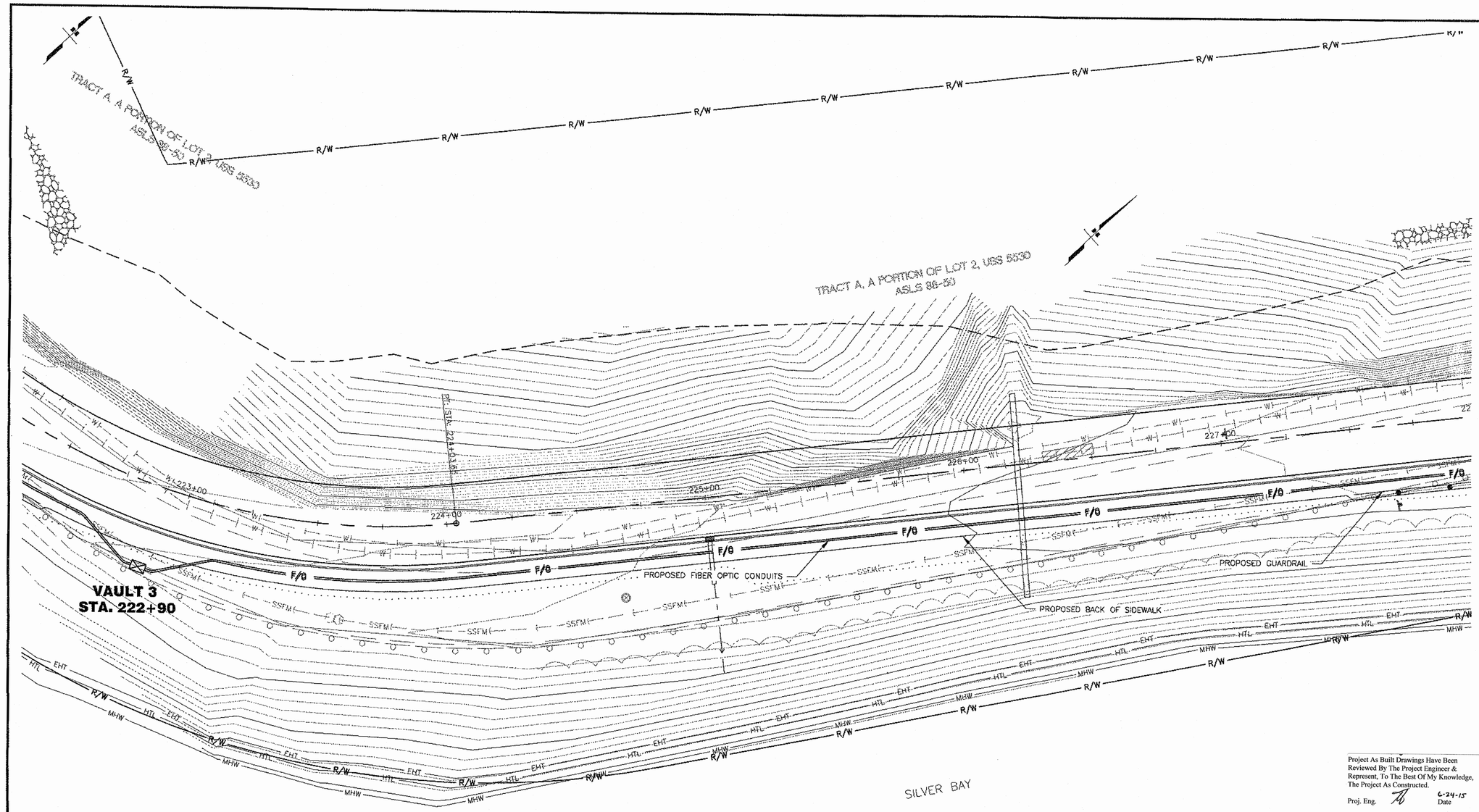
DRAWN BY: M. CARSON

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

ELECTRIC UTILITY PLAN STA. 218+50 TO STA. 223+50

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U08	109



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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

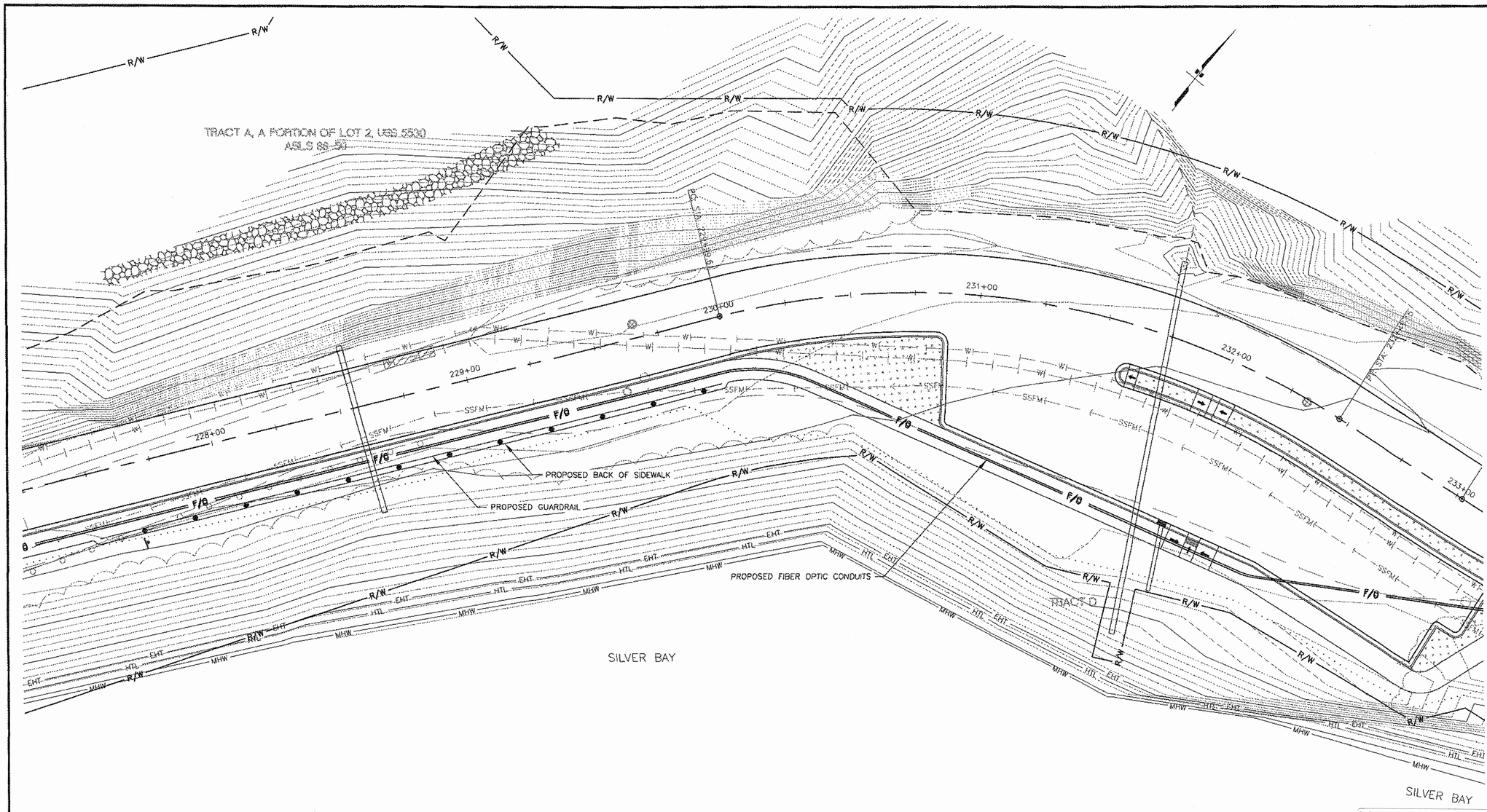
DRAWN BY: M. CARSON

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

ELECTRIC UTILITY PLAN STA. 223+50 TO STA. 228+00

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U09	109



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Proj. Eng. 6-24-15 Date

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ATTACHMENT NUMBER
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SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA
49th
Frank Michael Carson
EE-5604
REGISTERED PROFESSIONAL ENGINEER
10/3/12

CHECKED BY: R. DRYDEN

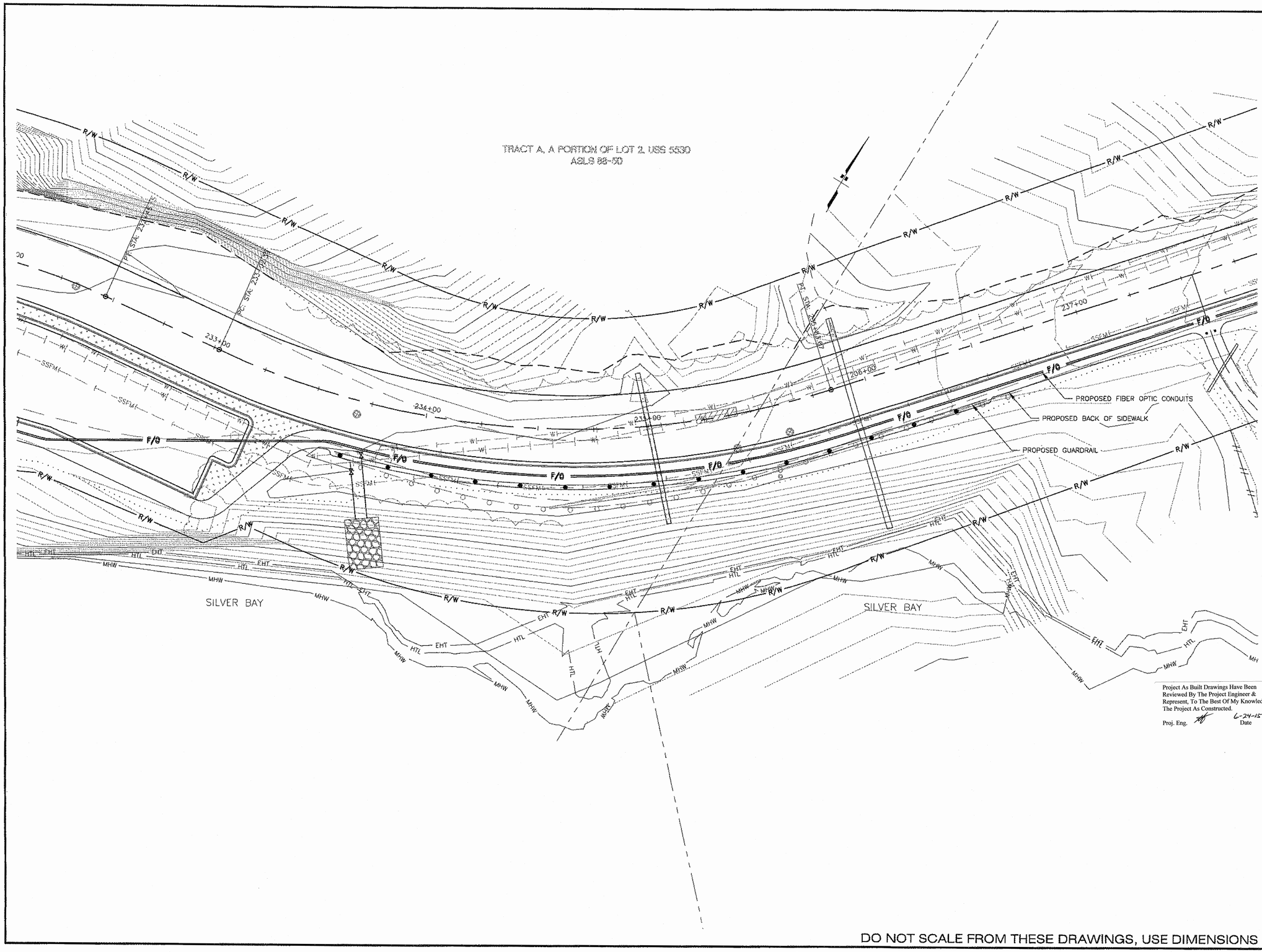
DRAWN BY: M. CARSON

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

ELECTRIC UTILITY PLAN STA. 228+00 TO STA. 233+00

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U10	109



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Proj. Eng. 6-24-15 Date

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ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

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

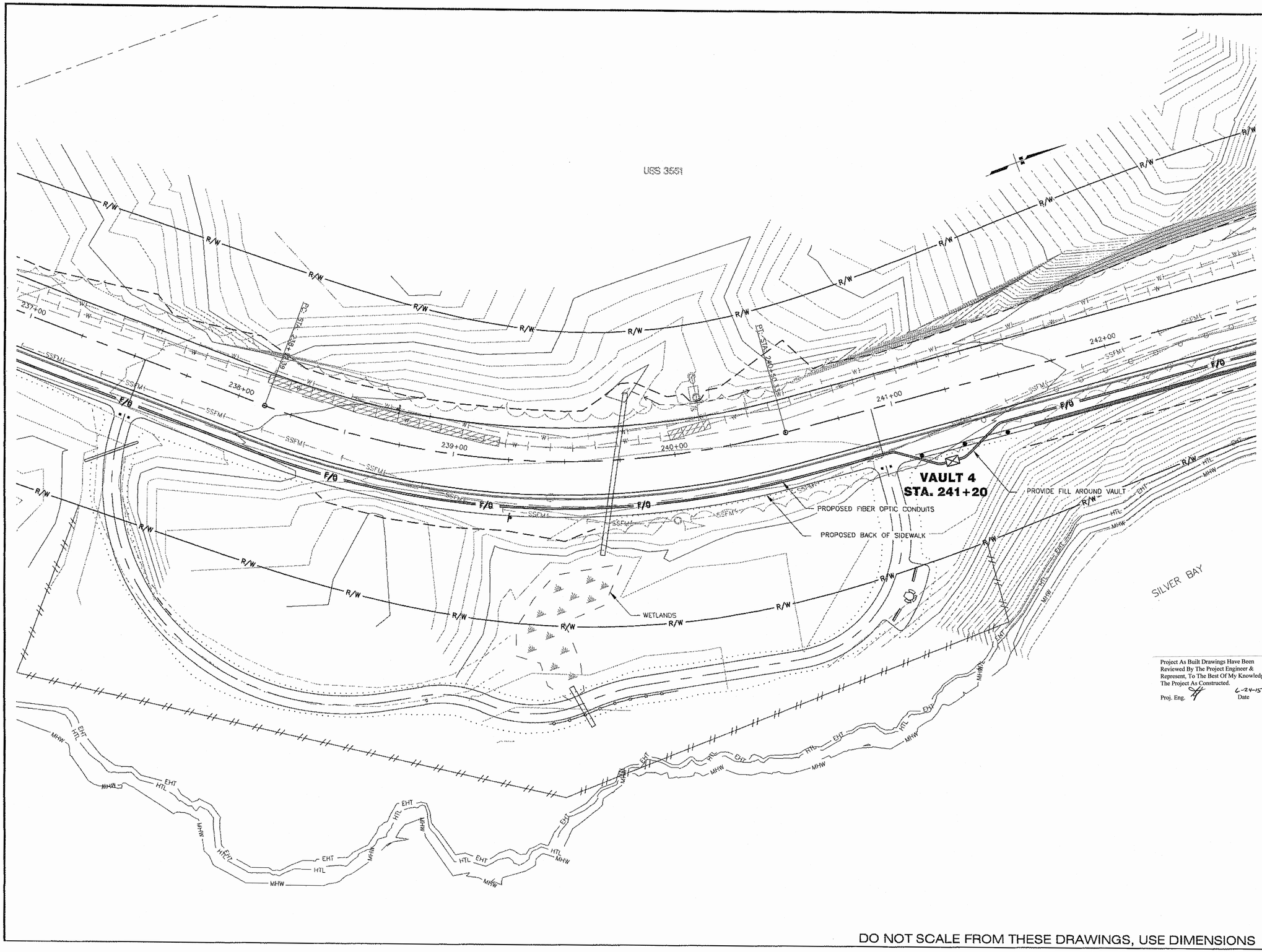
ELECTRIC UTILITY PLAN STA. 233+00 TO STA.238+00

PROJECT DESIGNATION NUMBER

68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U11	109



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Proj. Eng. 6-24-15 Date

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1
ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

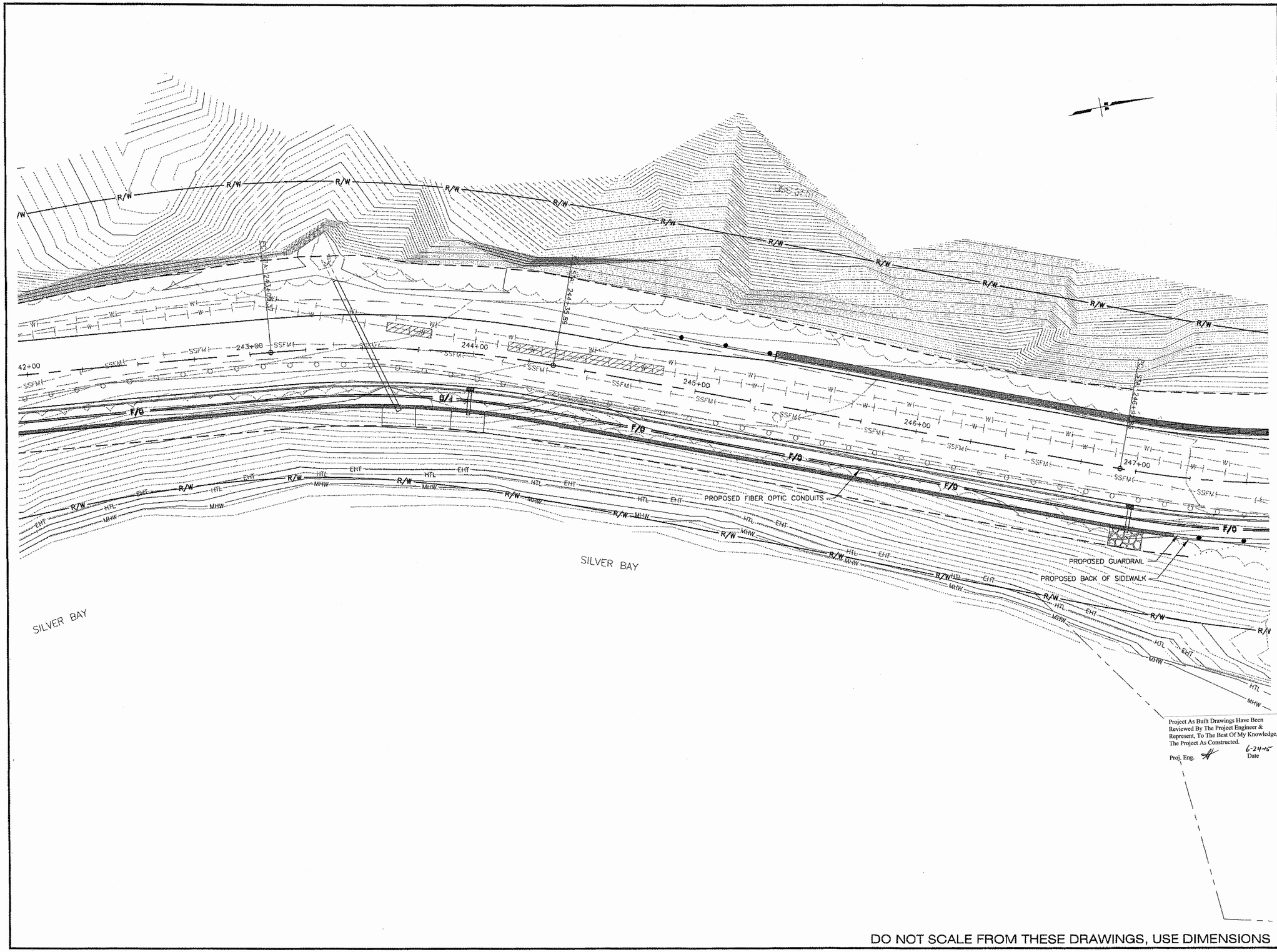
CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

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

ELECTRIC UTILITY PLAN STA. 238+00 TO STA. 243+00

PROJECT DESIGNATION NUMBER	
68216\MGS-STP-0933(21)	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U12	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

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PLOT:
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ADDENDUM NUMBER

ATTACHMENT NUMBER
U

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

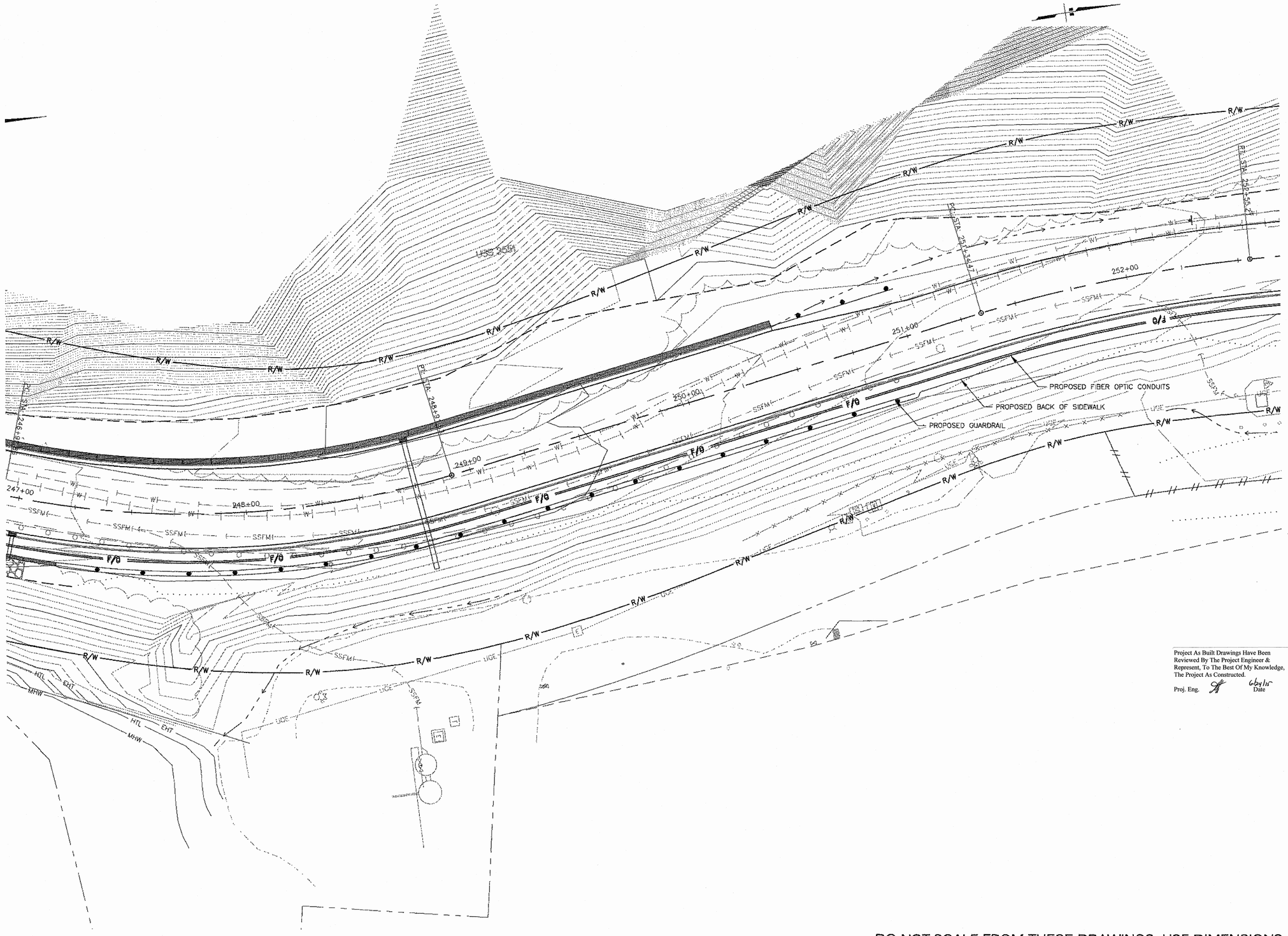
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA. 243+00 TO STA. 248+00

PROJECT DESIGNATION NUMBER

68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U13	109



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Proj. Eng. 6/9/15 Date

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ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

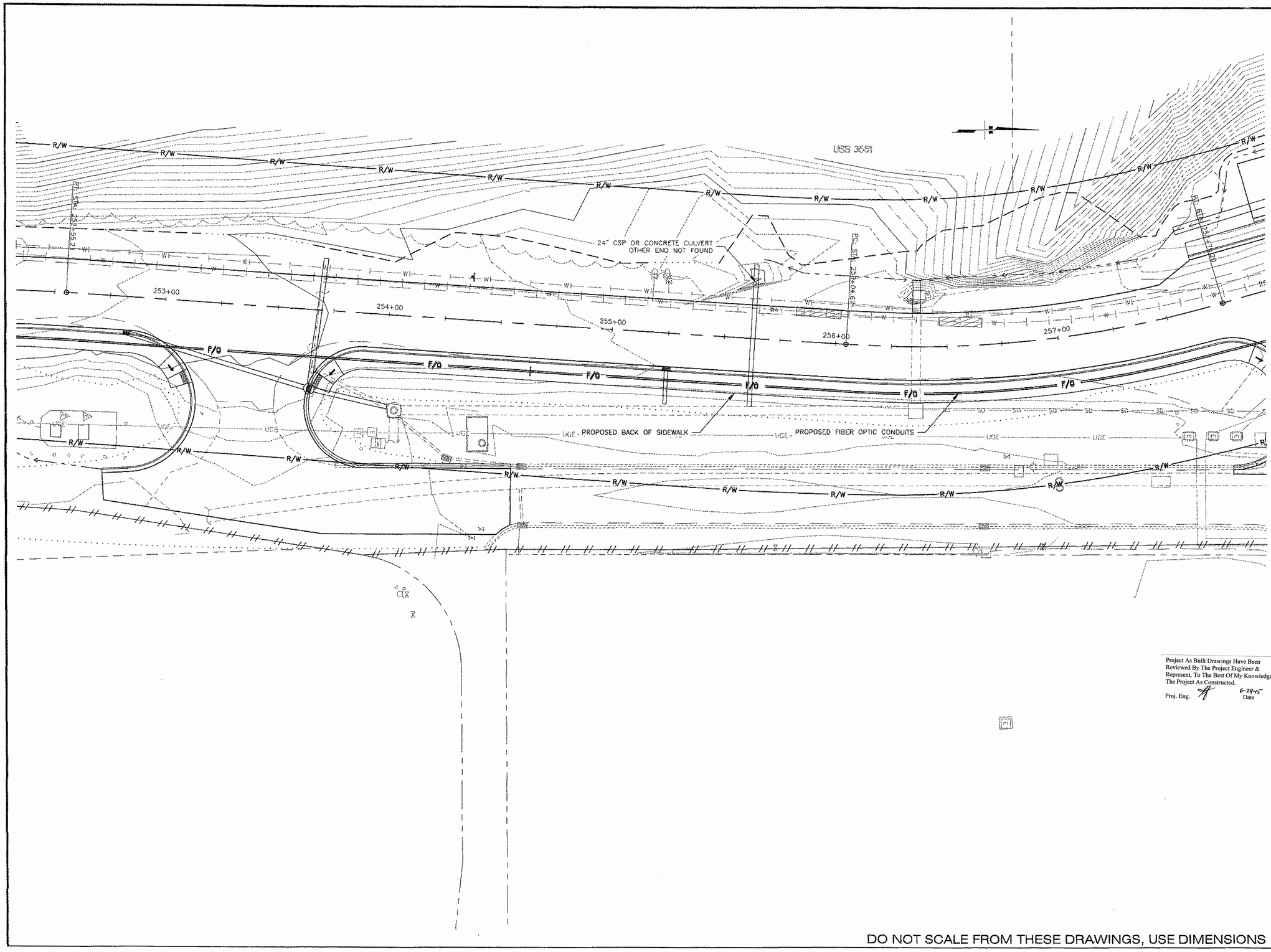
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA. 248+00 TO STA. 253+00

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U14	109



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Proj. Eng. 6-24-15 Date

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ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

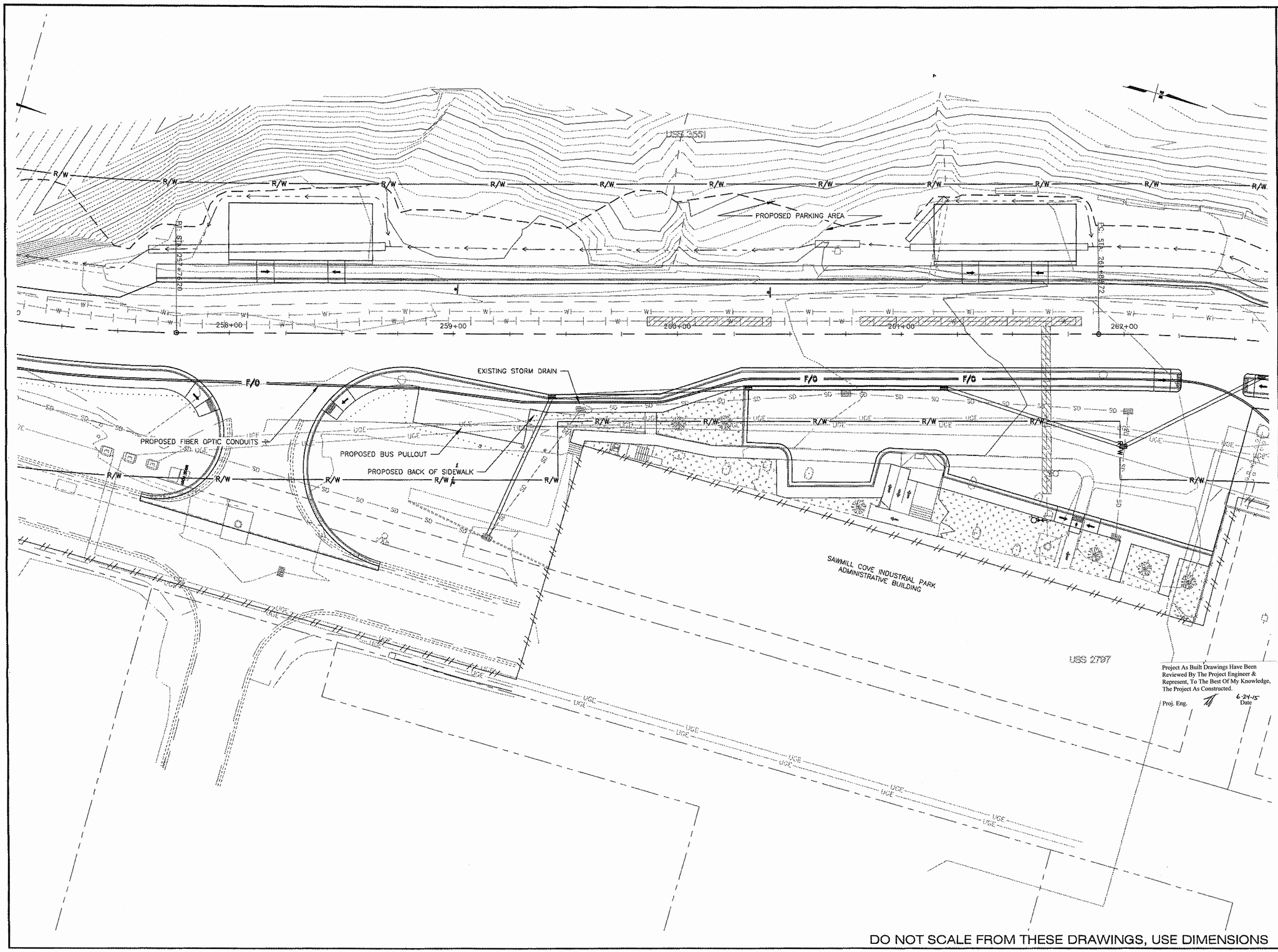
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA. 253+00 TO STA. 258+00

PROJECT DESIGNATION NUMBER

68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U15	109



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Proj. Eng. 6-24-15 Date

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ADDENDUM NUMBER

ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

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

ELECTRIC UTILITY PLAN STA. 258+00 TO STA. 263+00

PROJECT DESIGNATION NUMBER

68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U16	109

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Proj. Eng. 6-24-15 Date

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ADDENDUM NUMBER
1

ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

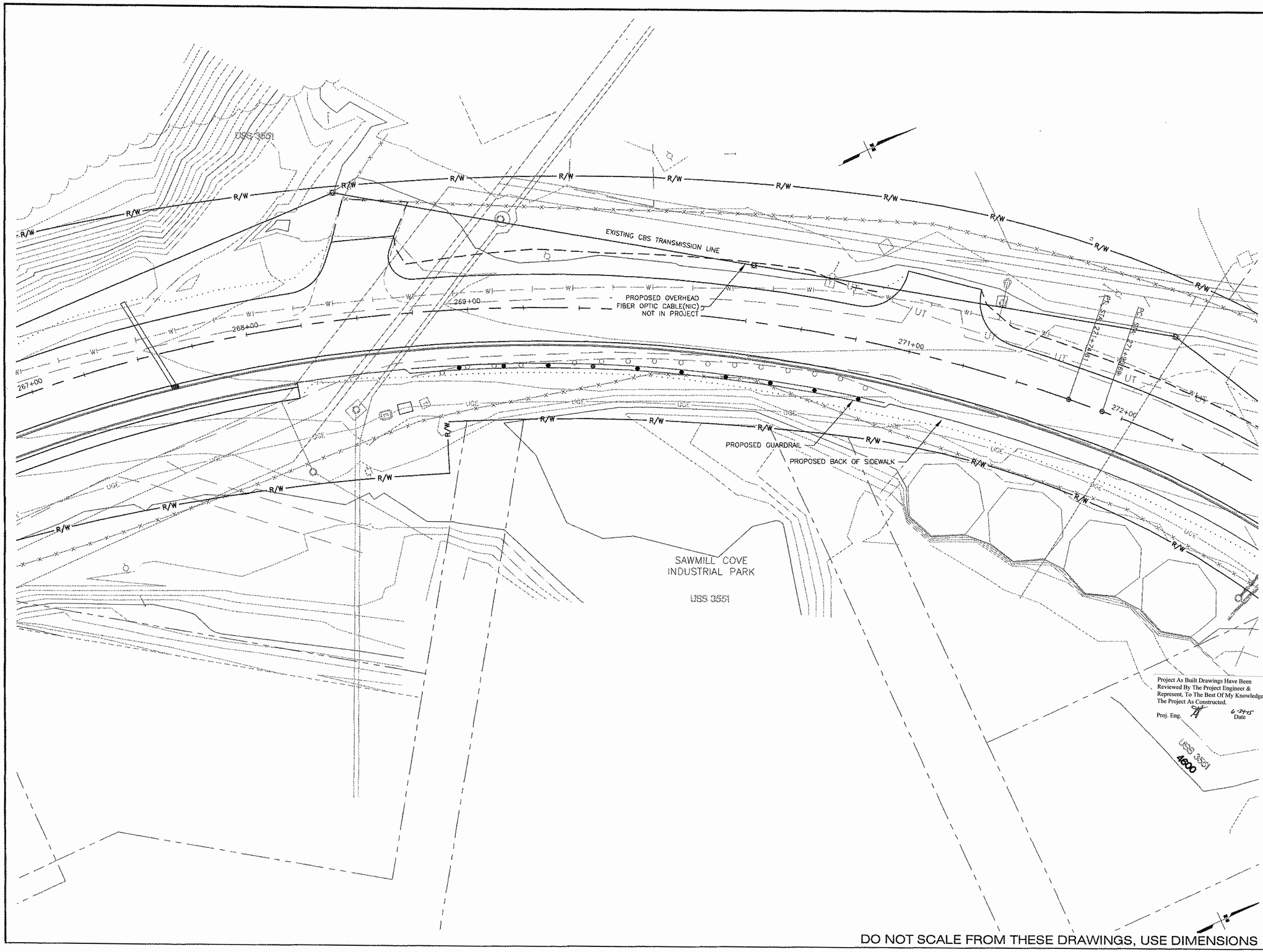
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION DESIGN
& ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA. 263+00 TO STA. 268+00

PROJECT DESIGNATION NUMBER

68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U17	109



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ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

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CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

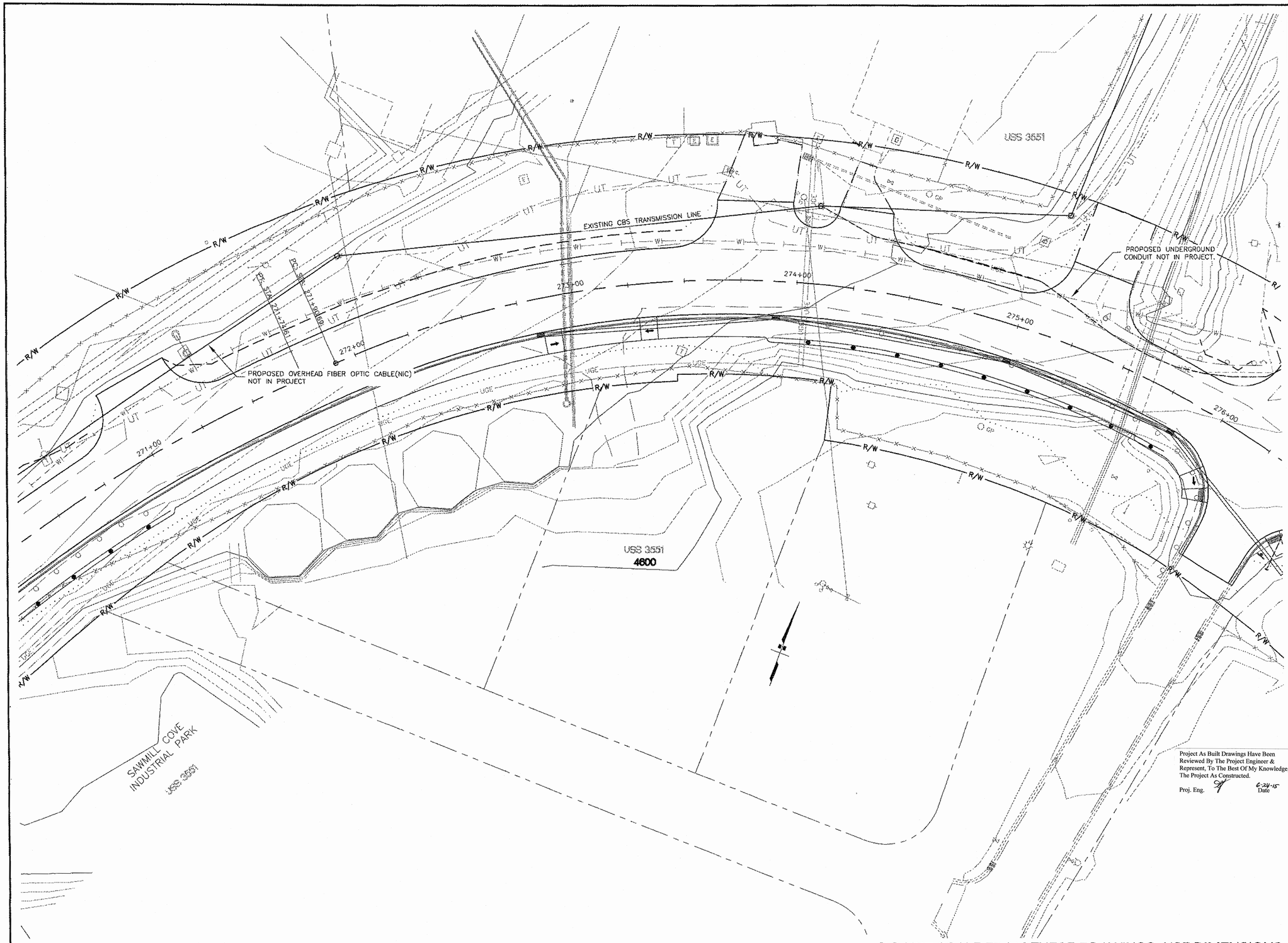
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION DESIGN & ENGINEERING SERVICES DIVISION

ELECTRIC UTILITY PLAN STA. 268+00 TO STA. 273+00

PROJECT DESIGNATION NUMBER

68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U18	109



Project As Built Drawings Have Been Reviewed By The Project Engineer & Represent, To The Best Of My Knowledge, The Project As Constructed.

Proj. Eng. 6-24-15 Date

DO NOT SCALE FROM THESE DRAWINGS, USE DIMENSIONS

PATH:

PLOT:
PSPACE 1=1(F) OR MSPACE 1=1(F)
TAB: D4

ADDENDUM NUMBER
1

ATTACHMENT NUMBER
4

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
RSA NO. 69615

ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA 49th Frank Michael Carson EE-5604 REGISTERED PROFESSIONAL ENGINEER 10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

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

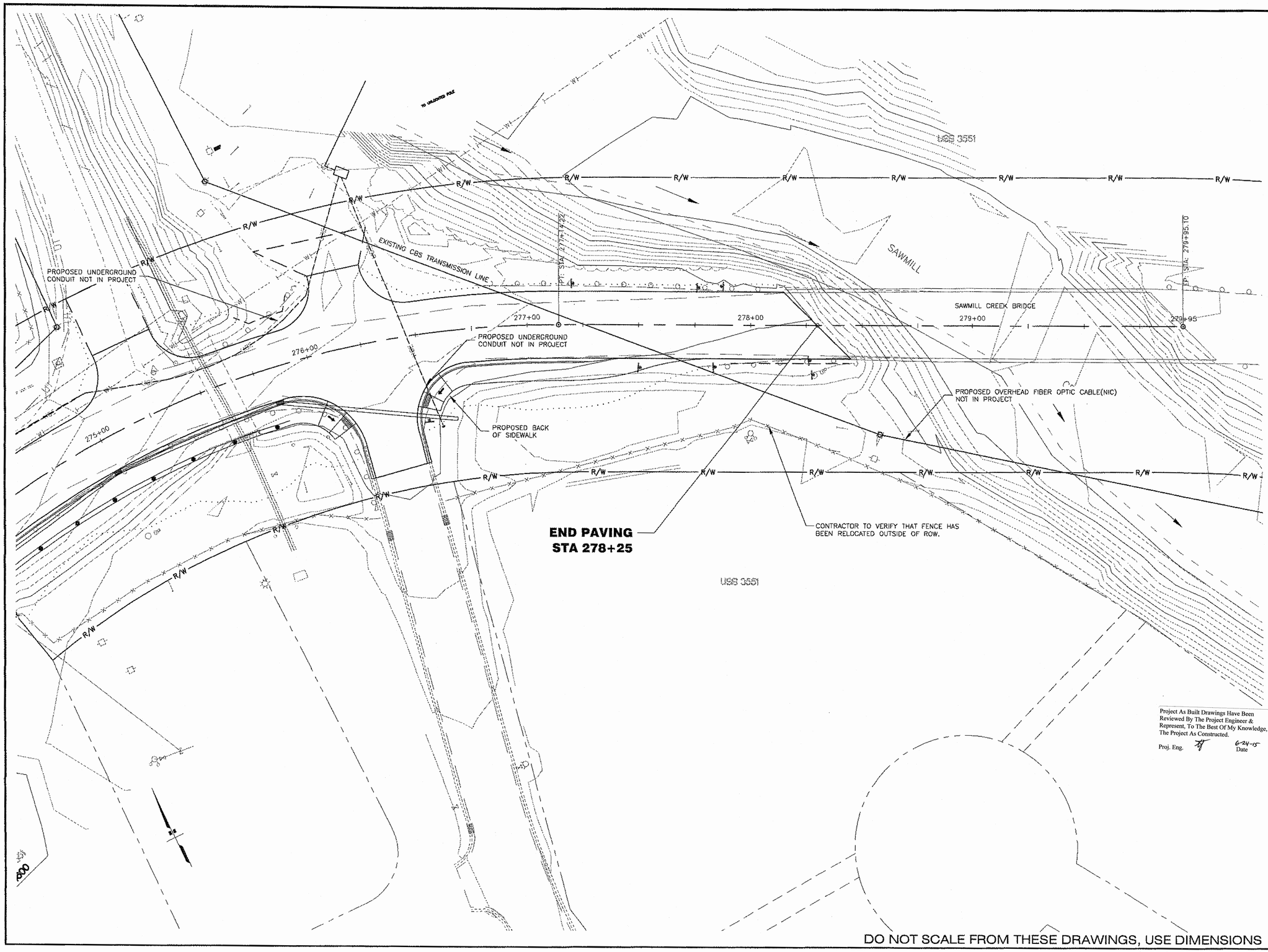
ELECTRIC UTILITY PLAN STA. 273+00 TO STA. 276+50

PROJECT DESIGNATION NUMBER

68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U19	109



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Proj. Eng. 6-24-15 Date

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PATH:

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TAB: D4

ADDENDUM NUMBER
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ATTACHMENT NUMBER
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RECORD OF REVISIONS

No.	DATE	DESCRIPTION

SAWMILL CREEK ROAD UPGRADE
PHASE III- WHALE PARK TO SAWMILL CREEK BRIDGE
68216\MGS-STP-0933(21)
SITKA TELECOMMUNICATIONS CONDUIT
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ELECTRIC UTILITY PLAN

DESIGNED BY: M. CARSON

STATE OF ALASKA
49th
Frank Michael Carson
EE-5604
REGISTERED PROFESSIONAL ENGINEER
10/3/12

CHECKED BY: R. DRYDEN

DRAWN BY: M. CARSON

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

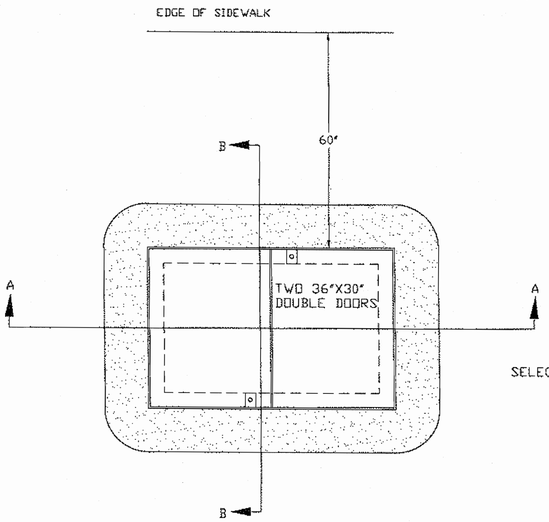
ELECTRIC UTILITY PLAN STA. 276+50 TO STA. EOP

PROJECT DESIGNATION NUMBER
68216\MGS-STP-0933(21)

STATE	YEAR
ALASKA	2012

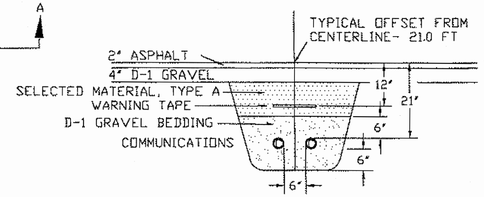
SHEET NUMBER	TOTAL SHEETS
U20	109

Addendum No. 1
Attachment No. 4

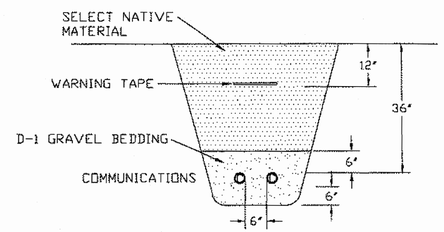


TOP VIEW

TRENCH CROSS-SECTION DETAILS



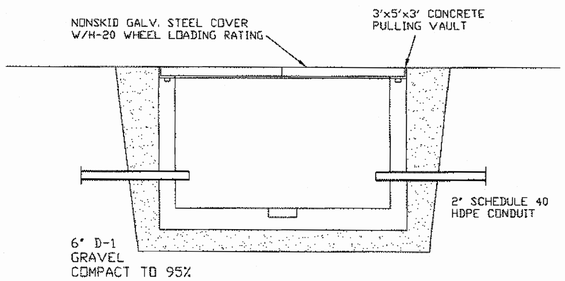
TRENCH UNDER NEW SIDEWALK
CROSS-SECTION DETAIL



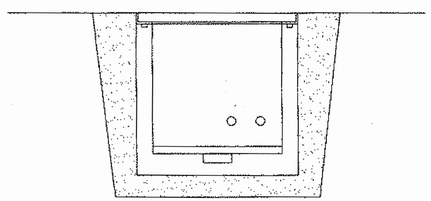
TRENCH IN NON-PAVED AREAS
CROSS-SECTION DETAIL

COMMUNICATIONS VAULT/CONDUIT SUMMARY

FACILITY LOCATION				CONDUIT					TRENCH
NUMBER	STATION	OFFSET	TYPE	NUMBER	SIZE	SCHED.	MAT'L.	LENGTH	LENGTH
POLE	177+85.2	37.21 RT	RISERS	2	2"	40	HDPE	60'	---
VLT 1	178+03.0	34.00 RT	VAULT	2	2"	40	HDPE	40'	15'
VLT 2	199+50.0	31.87 RT	VAULT	2	2"	40	HDPE	4420'	2205'
VLT 3	222+90.0	31.88 RT	VAULT	2	2"	40	HDPE	4700'	2345'
VLT 4	241+20.0	31.87 RT	VAULT	2	2"	40	HDPE	3700'	1850'
VLT 5	262+87.0	48.14 RT	VAULT	2	2"	40	HDPE	4370'	2180'
XING	263+00.3	---	CROSSING	2	2"	40	HDPE	200'	95'
POLE	263+13.0	40.61 LT	RISERS	2	2"	40	HDPE	60'	---



CROSS SECTION AA



CROSS SECTION BB

CABLE PULLING VAULT DETAIL

NOTES:
1. CONTRACTOR SHALL INSTALL ADOT "AGGREGATE BASE COURSE, GRADING D-1" WHERE SPECIFIED. D-1 GRAVEL UNDER THE VAULTS AND FOR CONDUIT BEDDING AS SHOWN ON THESE DETAILS. VAULTS SHALL BE 5' BEHIND THE SIDEWALK; FINISHED ELEVATIONS SHALL BE THE SAME AS THE SIDEWALK. FILL SHALL BE COMPACTED TO 95%. VAULTS SHALL NOT BE PLACED IN LOW AREAS WHERE STORM WATER CAN ACCUMULATE.
2. COMMUNICATIONS CONDUITS SHALL BE INSTALLED AT LEAST 21" BELOW FINISHED GRADE UNDER THE NEW SIDEWALK AND AT LEAST 36" BELOW FINISHED GRADE ALONG THE ROW WHERE THERE IS NO SIDEWALK. MEASUREMENTS SHALL BE TO THE TOP OF THE CONDUITS. CONDUITS FOR THE ONE ROAD CROSSING SHALL BE INSTALLED AT LEAST 48" BELOW FINISHED GRADE. COMMUNICATIONS CONDUITS SHALL BE CONTINUOUS 2" SCHEDULE 40 HDPE COILED ON REELS. CONDUIT BEDDING AND BACKFILL WHERE SPECIFIED SHALL BE ADOT "AGGREGATE BASE COURSE, GRADING D-1" GRAVEL COMPACTED TO 95%.
3. CONSTRUCTION SHALL CONFORM TO THE NESC, ACS STANDARDS AND CITY AND BOROUGH OF SITKA'S REQUIREMENTS FOR UNDERGROUND SYSTEMS.
4. ALL METALLIC EQUIPMENT REQUIRED TO BE GROUNDED SHALL BE GROUNDED TO A VAULT GROUND ROD AT EACH VAULT.
5. THE CONTRACTOR SHALL MARK THE LOCATION OF THE CONDUITS WHERE THEY CROSS UNDER THE GUARD RAIL TO FACILITATE INSTALLATION OF POSTS.
6. INSTALLATION OF UNDERGROUND OR OVERHEAD FIBER OPTIC CABLES IS NOT INCLUDED IN THE SCOPE OF THIS CONTRACT. THE CONTRACTOR SHALL TEMPORARILY PLUG CONDUITS TO PREVENT DIRT ACCUMULATION AND INSTALL PULLING LINES FOR FUTURE USE.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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Proj. Eng. 6-24-15 Date

CHECKED BY: R. DRYDEN

STATE OF ALASKA 49th Frank Michael Carson 10/3/12 FRANK M. CARSON 5604 REGISTERED PROFESSIONAL ENGINEER

DESIGNED BY: M. CARSON
DRAWN BY: M. CARSON

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

SITKA, ALASKA
SAWMILL CREEK ROAD PH. III
WHALE PARK TO SAWMILL CREEK BRIDGE

ELECTRIC UTILITY DETAILS

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REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION	FIBER OPTIC 69615	2012	U21	109