

MEMORANDUM

To: Mayor Westover and Members of the Assembly
Jim Dinley, Municipal Administrator

From: Michael Harmon, Public Works Director
Stephen L. Weatherman, P.E. Municipal Engineer 

Reviewed: Jay Sweeney, Finance Director

Date: September 5, 2012

Subject: Utility Reimbursable Services Agreement for Halibut Point Road Upgrade

Background:

The State of Alaska Department of Transportation and Public Facilities (DOTPF) are upgrading the portion of Halibut Point Road between the Roundabout to the end of the road near the Forest Service Campground. The upgrade includes several improvements requested by the City and Borough of Sitka (CBS) along with moving the water lines onto the new bridges to be constructed at Cascade Creek and No Name Creek. DOTPF has prepared a Utility Reimbursable Services Agreement to construct these facilities within the DOTPF right of way.

Analysis:

The Water Enterprise Fund has been planning for these improvements for several years while waiting for the DOTPF to move the project to construction. CBS has retained the services of Carson Dorn to prepare the designs for inclusion of the DOTPF plans for the Halibut Point Project. The water lines are currently located under the streams and subject to erosion which exposes the water lines occasionally. This requires Corp of Engineers and Fish and Game permits to rebury the lines when exposed. While exposed the lines are subject to failure because they are not supported by being buried in a trench. The project includes adding a fire hydrant near Bahovec Court and a new 6 inch water service to replace the existing water service because the water main is being relocated out of the stream.

Fiscal Note:

The project has a FY 11 Water Fund Capital Project allocation of \$300,000 and a FY 13 Water Fund Capital Project allocation of \$300,000. The total project has a budget of

\$690,000 including design and engineering. To fund the total project budget transfer \$90,000 from project 90652 to project 90673.

Recommendation:

Transfer \$90,000 from Project 90652 to Project 90673. Approve the Utility Reimbursable Services Agreement between DOT&PF and CBS for \$639,835 and direct the Administrator to execute the agreement.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

UTILITY CHANGE ORDER

Region: **Southeast**

Change Order No.: **1**

Project No.: **69351**

Utility Work Order No.: **N/A**

**Sitka Halibut Point Road Pavement Rehabilitation
RSA Sitka Water and Sewer Upgrade**

RSA No.: **3-67403-12-08**

Utility Reimbursable Services Agreement No. **3-67403-12-08** is hereby modified in the manner described below. This change document is supplemental to the above RSA, which is, by reference made a part hereof. All terms, conditions and provisions of the RSA, except as specifically modified herein, remain un-changed and in full force and effect.

Acceptance of this Change Order constitutes agreement to the terms, conditions, and prices stated:

ACCEPTED:

RECOMMENDED FOR APPROVAL:

City and Borough of Sitka

Regional Utilities Engineer

Date: _____

Utility Representative

APPROVED:

Regional Preconstruction Engineer

Title

Date: _____

Printed Name

Date: _____

FEDERAL HIGHWAY ADMINISTRATION

APPROVED: (When Applicable)

By: _____

NOTE: FHWA Approval Required

YES
NO

Title: _____

Printed: _____

Date: _____

25D-256A (5/86)

**CONTINUATION SHEET FOR:
UTILITY CHANGE ORDER NO. 1**

DESCRIPTION AND REASON FOR CHANGE

Utility Reimbursable Services Agreement No. 3-67403-12-08 between City and Borough of Sitka and the Department of Transportation for the Sitka Halibut Point Road Pavement Rehabilitation project is hereby modified as follows:

This change is to document the addition of relocating water and sewer facilities as illustrated in the attached estimate, plans and specifications included in this change order as Exhibits A, B and C respectively.

Change in costs for State Work for Utility		
Water and Sanitary Sewer Relocation 628(1)-(7.1)	415,100	
Cascade Creek Bridge Modifications 628(30), (31)	30,000	
Total Item No. 628		445,100
Incidental Items		
Mobilization/Demobilization 640(1), (4)	45,266	
Erosion, Sediment and Pollution Control 641(1), (3), (4)	2,403	
Traffic Maintenance 643(2), (3), (15), (25)	20,786	
Total Incidental Items		68,455
Construction Engineering @ 15%	77,033	
Total CE		77,033
ICAP @ 4.79%	28,289	
Total ICAP		28,289
TOTAL CHANGE IN CONSTRUCTION COSTS		618,877

REVISION TO EXHIBIT "A"
SUMMARY OF ESTIMATE FOR ADJUSTMENT OF FACILITIES REQUIRED BY HIGHWAY CONSTRUCTION

The **City and Borough of Sitka** estimate of work and materials required in connection with Project No.: **69351**
 Project Name: **Halibut Point Road Rehab and Drainage Improvements** RSA No.: **3-67403-12-08**

	UTILITY COST NON-REIMBURS.	PREVIOUS CHANGE	NET CHANGE THIS DOCUMENT	TOTALS
PART I. UTILITY WORK				
57754-RIGHT OF WAY (Acquisition Only)				
Preliminary Engineering				\$ -
Preliminary Engineering Overhead				\$ -
57718-TOTAL PRELIMINARY ENGINEERING	\$ -		\$ -	\$ -
Construction Engineering				\$ -
Construction Engineering Overhead				\$ -
57325-TOTAL CONSTRUCTION ENGINEERING	\$ -		\$ -	\$ -
Construction Labor				\$ -
Materials & Supplies				\$ -
Material Handling Charges				\$ -
Transportation & Equipment				\$ -
Contract Construction				\$ -
Miscellaneous Expenses				\$ -
Construction Subtotal	\$ -		\$ -	\$ -
Construction Overhead				\$ -
GROSS CONSTRUCTION COSTS	\$ -	\$ -	\$ -	\$ -
Credits				\$ -
Salvage & Scrap				\$ -
Betterments				\$ -
TOTAL CREDITS				\$ -
57324-NET CONSTRUCTION COSTS	\$ -	\$ -	\$ -	\$ -
DOL/WD Fee				\$ -
TOTAL UTILITY WORK	\$ -	\$ -	\$ -	\$ -
PART II. STATE WORK FOR UTILITY				
Preliminary Engineering	\$ 20,000			\$ 20,000
Contract Construction			\$ 513,555	\$ 513,555
Construction Engineering @ 15%			\$ 77,033	\$ 77,033
ICAP @ 4.79%	\$ 958		\$ 28,289	\$ 29,247
TOTAL STATE WORK FOR UTILITY	\$ 20,958		\$ 618,877	\$ 639,835
TOTAL EST. RELOCATION COSTS (Parts I & II)	\$ 20,958		\$ 618,877	\$ 639,835

UTILITY CONCURRENCE, BY: _____

SUBMITTED BY: _____

DATE: _____

TITLE: Utility Agreement Writer

**SIT-HALIBUT POINT ROAD WATER AND SEWER UPGRADE RSA NO. 67403
ENGINEER'S ESTIMATE July 24, 2012**

Item No.	CBS Spec Section	Pay Item Description	Pay Unit	APPROX. QUANTITY	UNIT PRICE		AMOUNT		
					DOLLARS	CENTS	DOLLARS	CENTS	
628 (1)	20.16	Sheeting, Shoring and Bracing	Lump Sum	All Req'd	Lump	Sum	\$10,000		
628 (2.1)	50.02	Furnish and Install Granite Creek Bridge Sewer Force Main Pipe	Lump Sum	All Req'd	Lump	Sum	\$150,000		
628 (4.1)	60.02	Furnish and Install 6" Ductile Iron Water Line	Linear Foot	80	\$50		\$4,000		
628 (4.2)	60.02	Furnish and Install 12" Ductile Iron Water Line	Linear Foot	540	\$90		\$48,600		
628 (4.3)	60.02	Furnish and Install Cascade Creek Bridge Water Distribution Pipe	Lump Sum	All Req'd	Lump	Sum	\$170,000		
628 (4.4)	60.02	Furnish and Install Granite Creek Bridge Water Distribution Pipe	Lump sum	All Req'd	Lump	Sum	\$200,000		
628 (4.5)	60.02	Furnish and Install No-Name Creek Bridge Water Distribution Pipe	Lump Sum	All Req'd	Lump	Sum	\$170,000		
628 (5.1)	60.03	Furnish and Install 6" Gate Valve and Valve Box	Each	1	\$1,500		\$1,500		
628 (5.2)	60.03	Furnish and Install 12" Gate Valve and Valve Box	Each	1	\$2,500		\$2,500		
628 (6.1)	60.04	Furnish and Install Fire Hydrant Assembly	Each	1	\$4,500		\$4,500		
628 (7.1)	60.06	Furnish and Install 1" Water Sampling Station with HDPE Line	Each	1	\$4,000		\$4,000		
TOTAL BID								\$ 415,100	

25D-256B (12/95)

Incidental Items
Utility Reimbursable Service Agreement No: 3-67403-12-08

Project No.: 69351 / RSA 67403

Project Termini: Sitka Halibut Point Road Pavement Rehabilitation
RSA Sitka Water and Sewer Upgrades

ITEM No.	Description	Quantity*	Price
640(1)	Mobilization and Demobilization	8.97%	\$ 39,925
640(4)	Worker Meals and Lodging, or Per Diem	1.20%	\$ 5,341
641(1)	Erosion and Pollution Control Administration	0.18%	\$ 801
641(3)	Temporary Erosion and Pollution Control	0.30%	\$ 1,335
641(4)	Temporary Erosion and Pollution Control Additive	0.06%	\$ 267
643(2)	Traffic Maintenance	1.20%	\$ 5,341
643(3)	Permanent Construction Signs	0.18%	\$ 801
643(15)	Flagging	2.09%	\$ 9,303
643(25)	Traffic Control	1.20%	\$ 5,341

\$ 68,455

PREPARED BY: _____

Date: _____

*Quantity as a percentage of water and sewer relocation costs. The percentages will be adjusted through a change order to reflect actual bid amounts after the project is awarded. The percentage was obtained using the ratio of the item cost and total project costs.

State of Alaska

Department of Transportation
and Public Facilities
Southeast Region

SITKA, ALASKA HALIBUT POINT ROAD

PAVEMENT REHABILITATION & DRAINAGE IMPROVEMENTS
HPP-0993(19)~69351

SITKA WATER AND SEWER UPGRADE
RSA #67403



INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2-A6	SURVEY CONTROL PLAN
A7	PROJECT ALIGNMENT TABLE
A8	EAGLES NEST LOCATIONS
B1-B5	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1-D7	SUMMARIES
E1-E5	MISCELLANEOUS DETAILS
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G1-G3	INTERSECTIONS & DRIVEWAYS
H1-H40	SIGNING & STRIPING PLANS
N1-NX	BRIDGE PLANS & SOIL TEST HOLE LOGS
M1-M2	TEMPORARY CROSSING PLAN & PROFILE
P1-P2	EROSION & SEDIMENT CONTROL DETAILS
Q1-Q5	DRAINAGE DETAILS
T1-T2	TRAFFIC CONTROL PLANS
U1-U9	UTILITIES

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION



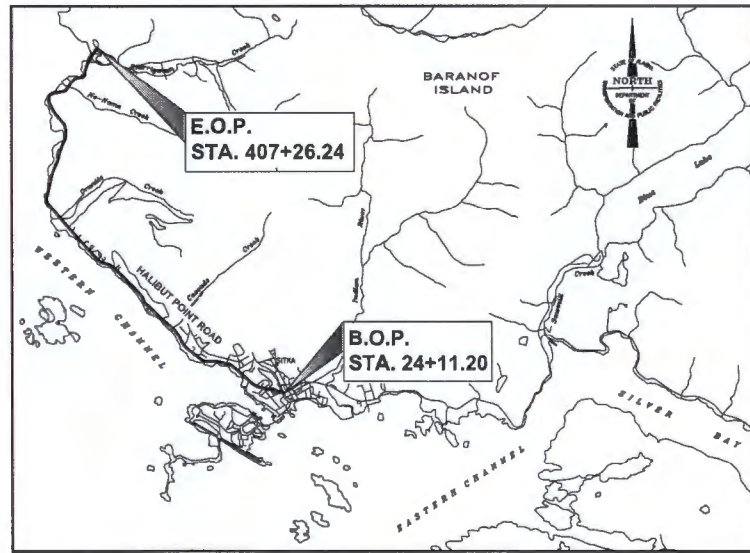
APPROVED: _____
 REGIONAL PRE-CONSTRUCTION ENGINEER DATE
 CHUCK CORREA, P.E.

APPROVED: _____
 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	HPP-0993(19)~69351	2012	A1	x



VICINITY MAP

DESIGN DESIGNATION

A.D.T. 2011	=	13,210
A.D.T. 2031	=	14,990
D.H.V. (10.8%) 2030	=	1438
% T	=	4.0%
V	=	30-45 M.P.H.
E.A.L.	=	750,000

PROJECT SUMMARY

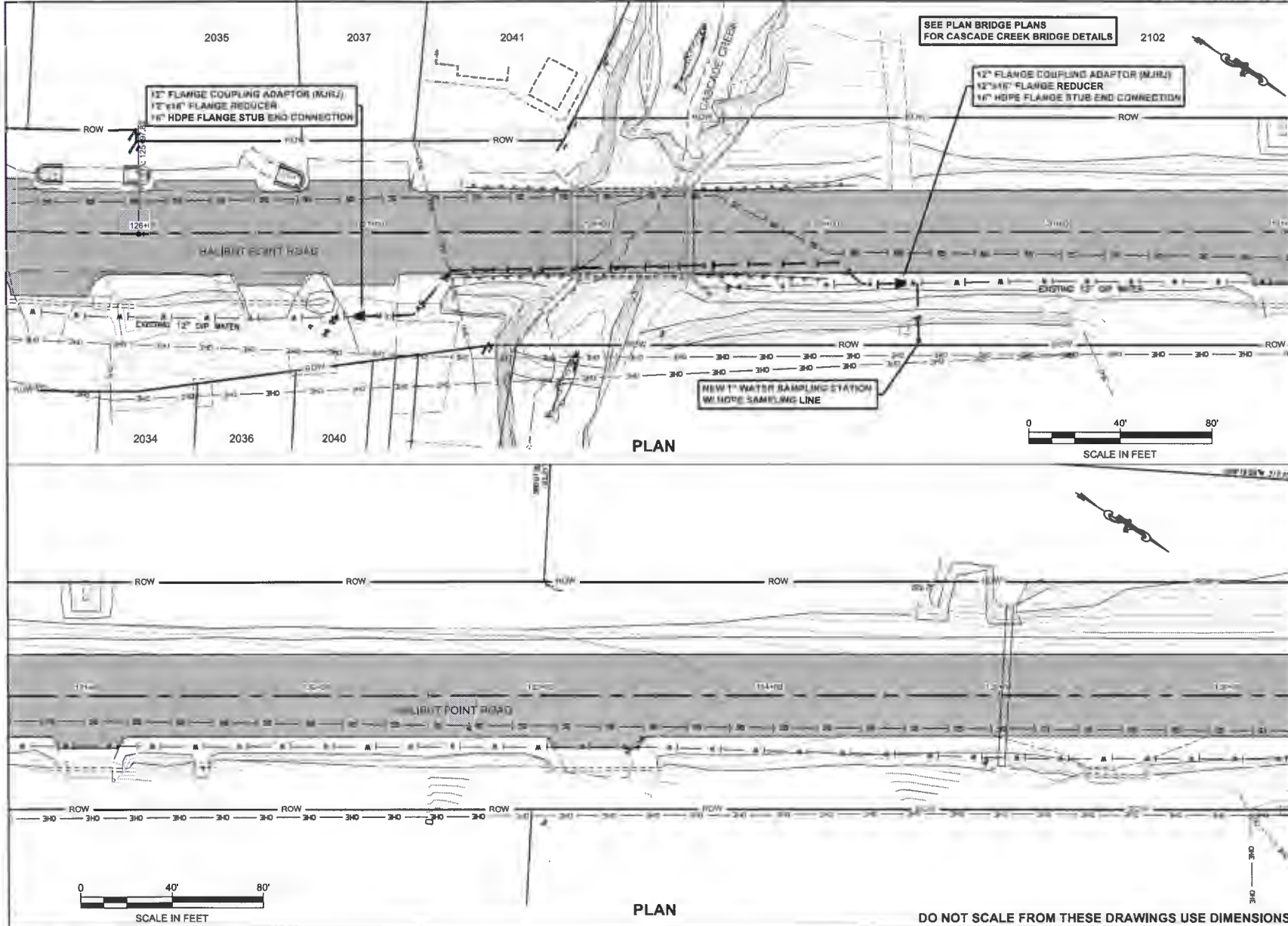
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LENGTH OF PAVING	=	7.31 MILES
WIDTH OF PAVING	=	26.5-36 FT

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	D-22.01	E-13.00	G-25.21W	S-00.11	T-06.00
C-03.10	D-23.01	G-00.02	G-30.00	S-01.00	T-20.03
C-04.12	D-24.00	G-04.08S	G-31.00	S-05.01	T-21.03
C-05.20	D-26.02	G-04.07W	I-20.14	S-20.10	T-22.03
D-01.02	D-35.00	G-10.01	I-21.02	S-23.00	T-22.03
D-04.21	D-36.00	G-13.00	I-81.00	S-30.03	T-23.00
D-20.03		G-20.11	M-16.01		

THE FOLLOWING CBS STANDARD DETAILS APPLY TO THIS PROJECT:

20-7	50-1	50-6	50-11	60-2	60-8
20-8	50-2	50-7	50-12	60-3	60-11
20-9	50-3	50-8	50-13	60-4	70-1
30-6	50-4	50-9	50-14	60-6	70-2
40-1	50-5	50-10		60-7	70-5



SEE PLAN BRIDGE PLANS
FOR CASCADE CREEK BRIDGE DETAILS.

12" FLANGE COUPLING ADAPTOR (M.H.R.)
12 3/16" FLANGE REDUCER
12" HDPE FLANGE STUB END CONNECTION

NEW 1" WATER SAMPLING STATION
W/ HDPE SAMPLING LINE

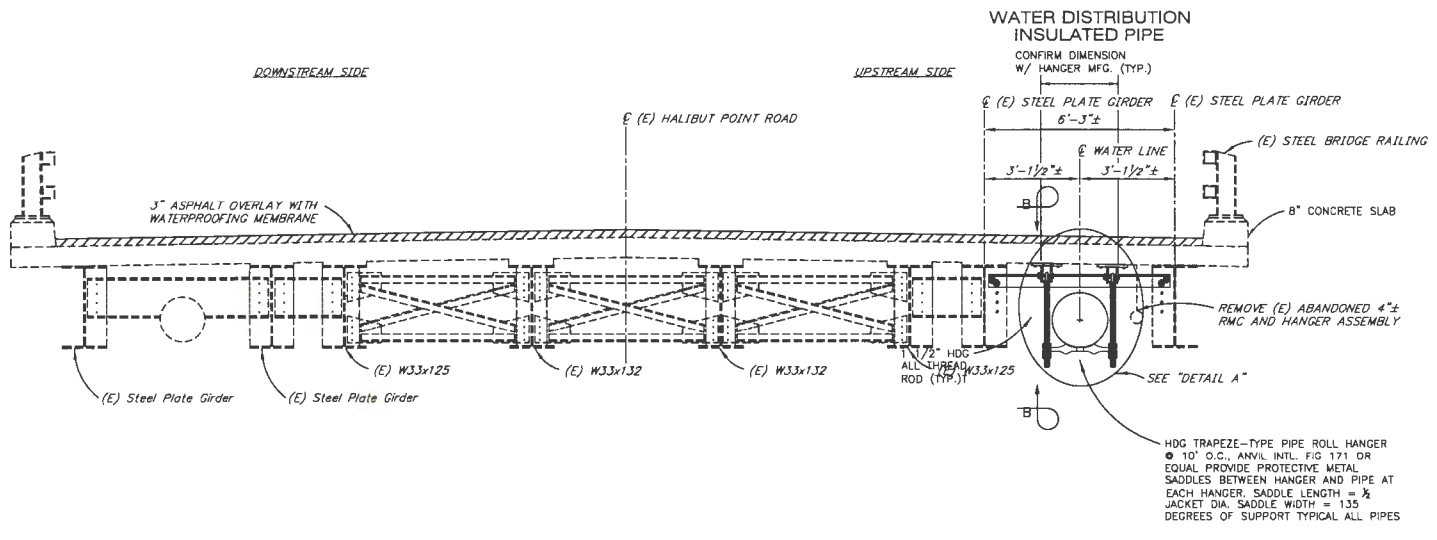
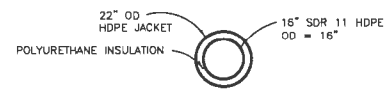
CASCADE CREEK UTILITIES

SIT-HALIBUT POINT ROAD PAVEMENT REHABILITATION PROJECT #69351	
PROJECT NO. 67403	
DATE: 12/14/12	
DRAWN BY: [Signature]	
CHECKED BY: [Signature]	
APPROVED BY: [Signature]	
SCALE: AS SHOWN	

PROJECT NO. 67403 PROJECT NAME: SIT-HALIBUT POINT ROAD PAVEMENT REHABILITATION PROJECT #69351 PROJECT LOCATION: SIT-WATER AND SEWER UPGRADE PROJECT NO. 67403	
PROJECT IDENTIFICATION	HPP-0993/19-69351
STATE	ALASKA
YEAR	2012
DATE	12/14/12
SCALE	AS SHOWN
U1	XX

NOTES:

1. LOCATE INSERTS FOR PIPE HANGERS AND SWAY BRACING PER THE PIPE HANGER MANUFACTURER'S RECOMMENDATIONS AND DIMENSIONS.
2. INSERTS FOR PIPE HANGERS AND SWAY BRACING TO BE FOR 1 1/2" DIAMETER THREADED ROD AND TO HAVE A SAFE WORKING LOAD OF 3,500 LBS.
3. INSTALL INSERTS FOR SWAY BRACING ON SAME LONGITUDINAL ALIGNMENT AS INSERTS FOR PIPE HANGERS.
4. SECURE ALL NUTS AND THREADED ROD CONNECTIONS WITH A THREADED LOCKING SYSTEM.
5. SEE SHEET U9 FOR PIPE SUPPORT AND SWAY BRACING SPACING.



CASCADE CREEK BRIDGE TYPICAL CROSS SECTION
 1 2 3 4
 0 1 2 3 4
 Feet

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ADMINISTRATOR
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

CASCADE CREEK BRIDGE CROSSING SECTIONS

CHECKED BY:



DESIGNED BY:

DRAWN BY:

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

SIT-HALIBUT POINT ROAD PAVEMENT REHABILITATION PROJECT #69351

SIT-WATER AND SEWER UPGRADE RSA NO. 67403

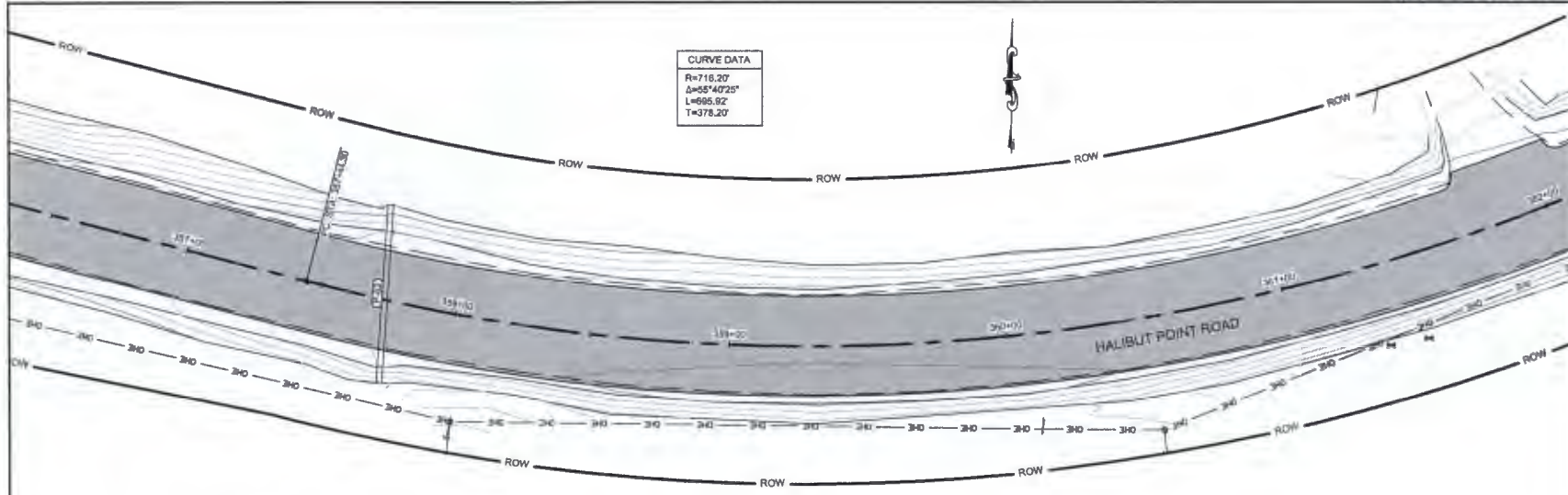
PROJECT DESIGNATION
HPP-0993(19)-69351

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
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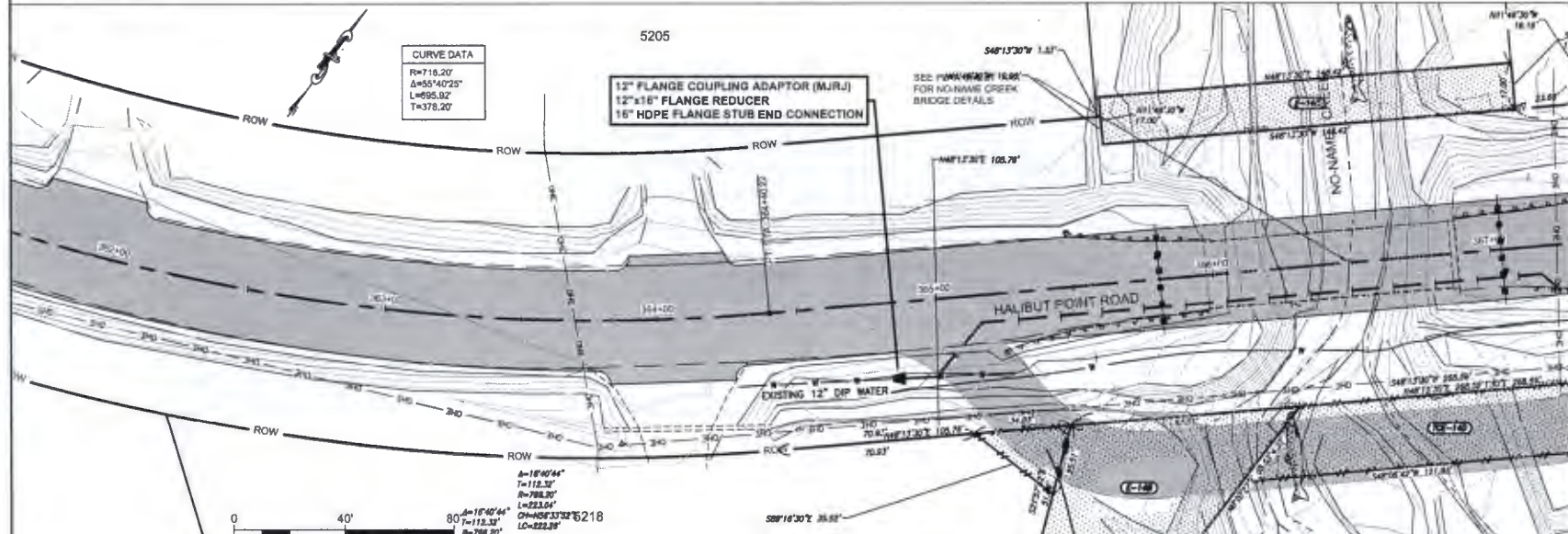
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CURVE DATA	
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Δ=55°40'25"	
L=695.92'	
T=378.20'	



PLAN



CURVE DATA	
R=718.20'	
Δ=55°40'25"	
L=695.92'	
T=378.20'	

12" FLANGE COUPLING ADAPTOR (M/R/J)
 12"x16" FLANGE REDUCER
 16" HOPE FLANGE STUB END CONNECTION

SEE PUMP AND/OR BY 16.00'
 FOR NO-NAME CREEK
 BRIDGE DETAILS



PLAN

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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ADDITIONAL NUMBER:

ATTACHMENT NUMBER:

RECORD OF ADVISES

No.	DATE	REVISION

NO-NAME CREEK UTILITIES

DESIGNED BY:



DESIGNED BY:

DESIGNED BY:

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 EIGHTH FLOOR

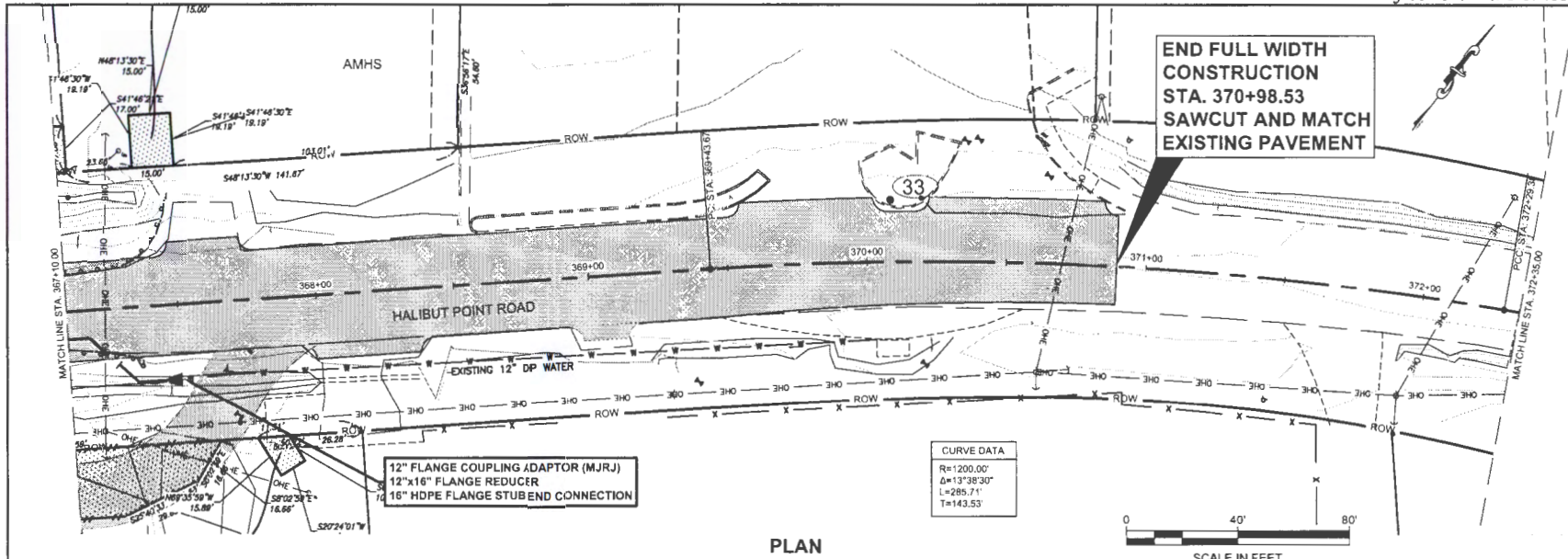
SIT-HALIBUT POINT ROAD
 PAVEMENT REHABILITATION
 PROJECT #69351

SIT-WATER AND SEWER
 UPGRADE
 RSA NO. 67403

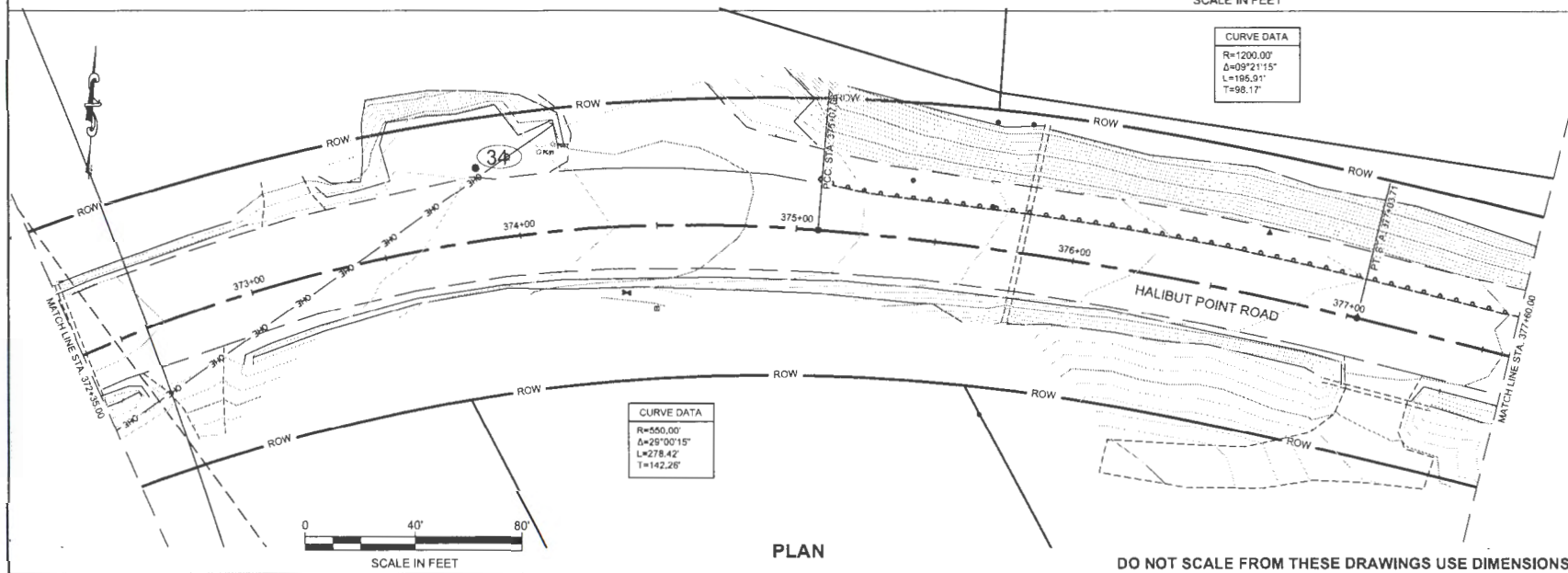
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STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U5	XX



PLAN



PLAN

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APPENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

NO NAME CREEK UTILITIES

CHECKED BY:

DESIGNED BY:

DRAWN BY:

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**SIT-HALIBUT POINT ROAD
PAVEMENT REHABILITATION
PROJECT #89351**

**SIT-WATER AND SEWER
UPGRADE
RSA NO. 67403**

PROJECT DESIGNATION
HPP-0993(19)-69351

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U6	XX

NOTES:

1. LOCATE INSERTS FOR PIPE HANGERS AND SWAY BRACING PER THE PIPE HANGER MANUFACTURER'S RECOMMENDATIONS AND DIMENSIONS.
2. INSERTS FOR PIPE HANGERS AND SWAY BRACING TO BE FOR 1 1/2" DIAMETER THREADED ROD AND TO HAVE A SAFE WORKING LOAD OF 3,500 LBS.
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5. SEE SHEET NUB 1 FOR PIPE SUPPORT AND SWAY BRACING SPACING.

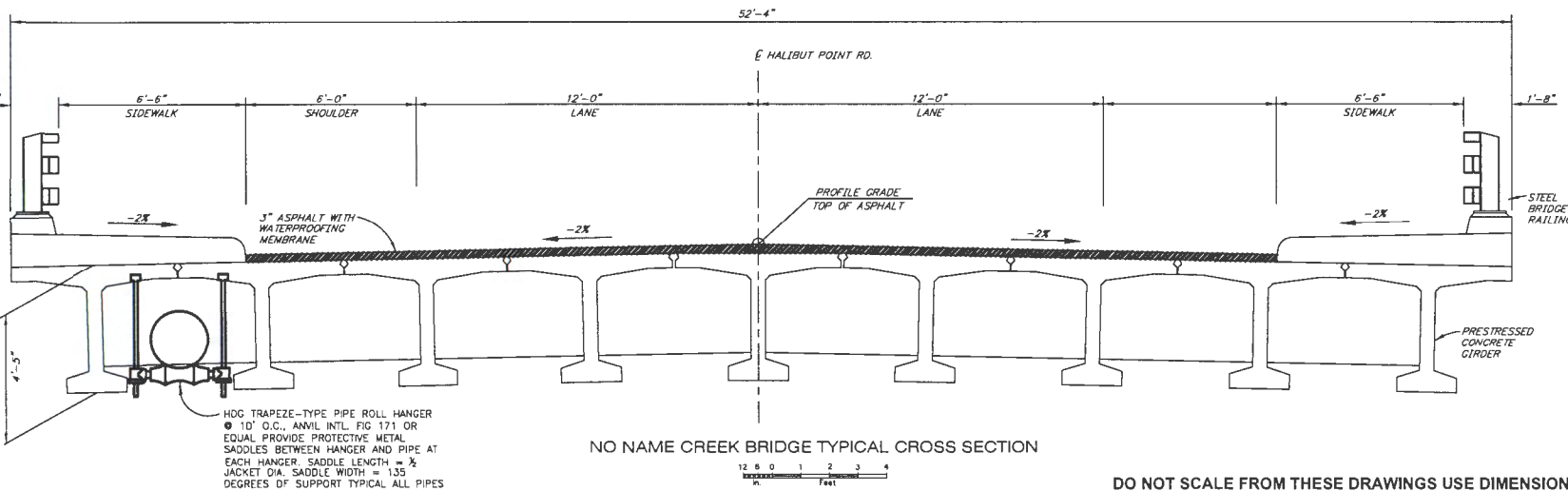
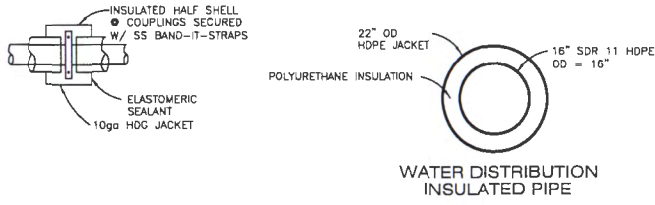
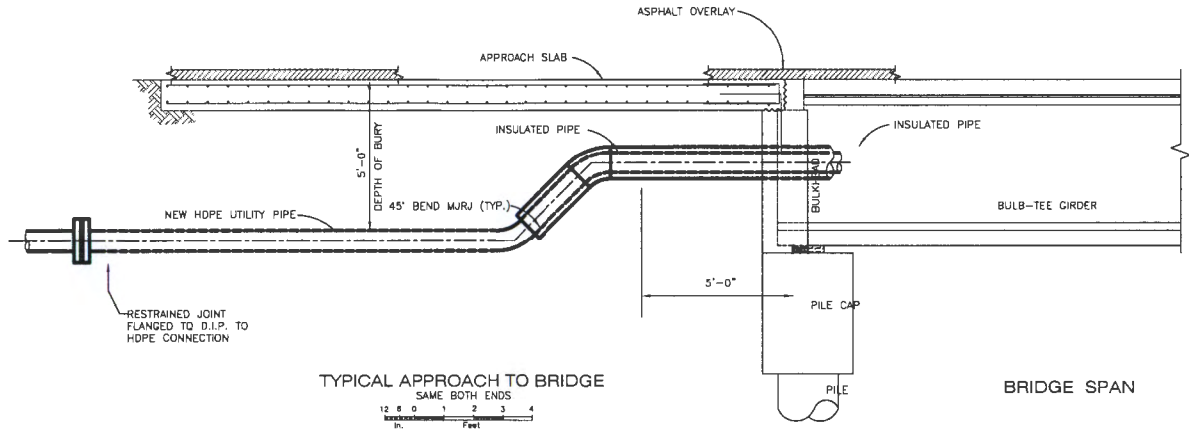
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ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

NO NAME CREEK BRIDGE CROSSING SECTIONS



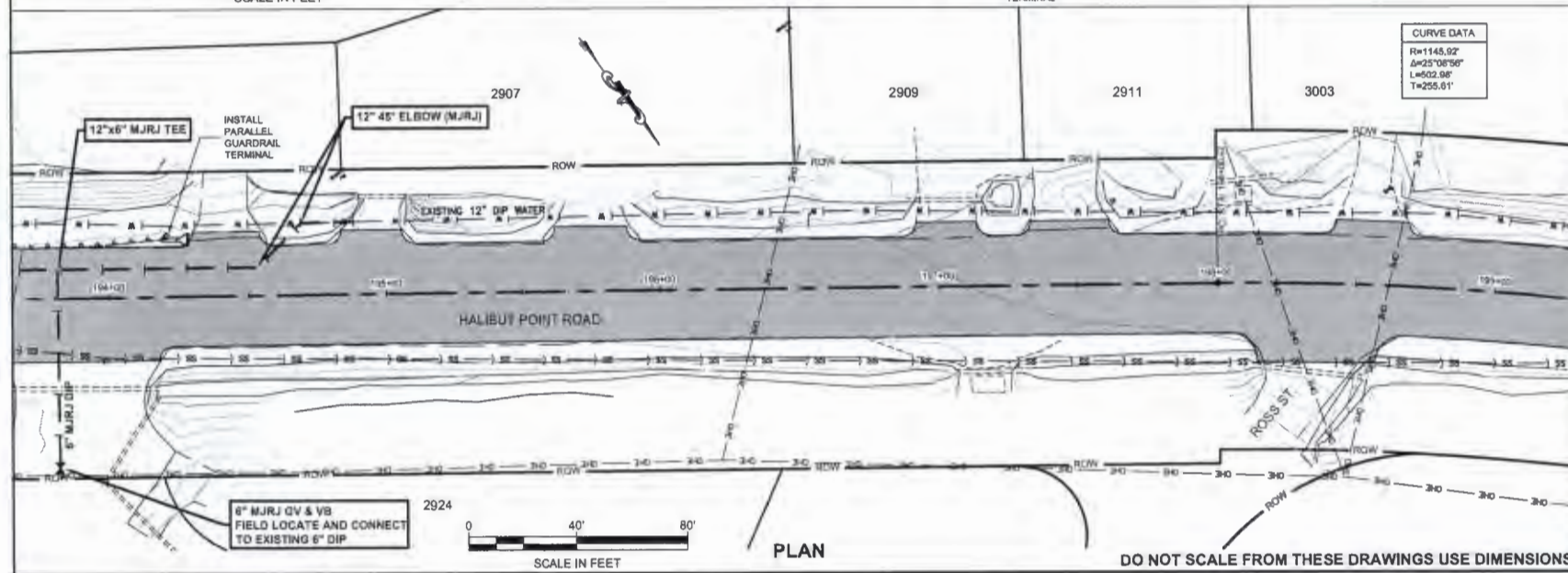
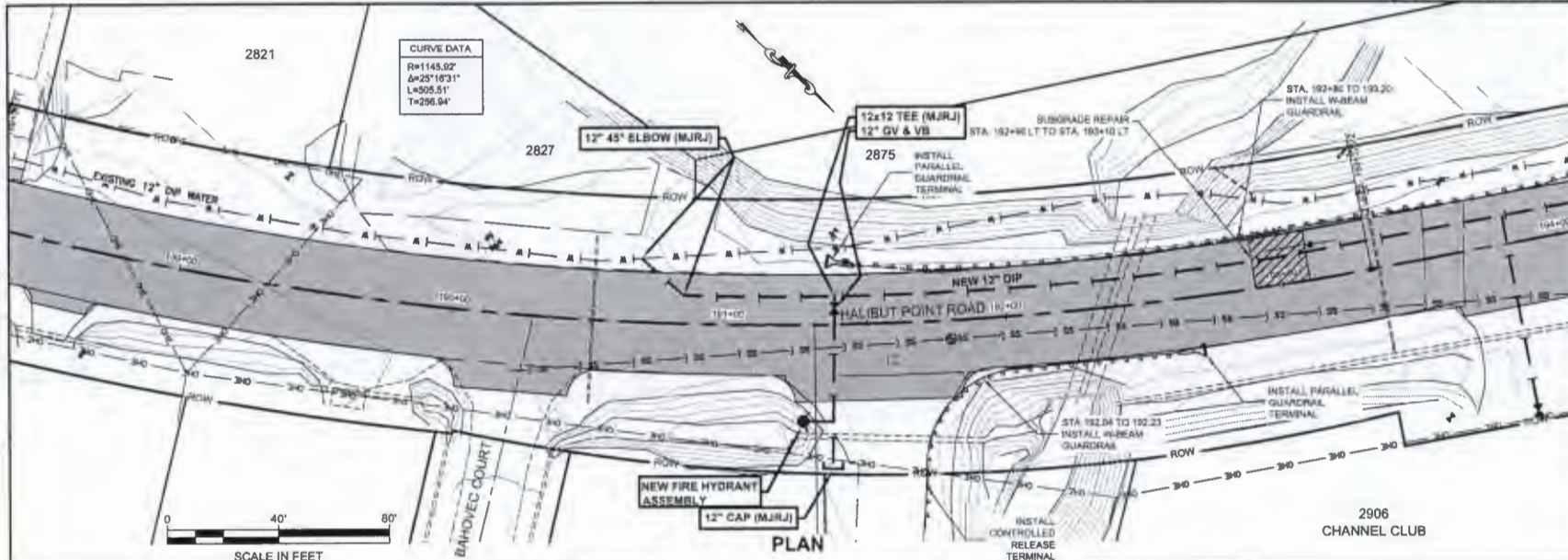
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DESIGNED BY:
DRAWN BY:

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
SIT-HALIBUT POINT ROAD PAVEMENT REHABILITATION PROJECT #69351	
SIT-WATER AND SEWER UPGRADE RSA NO. 67403	
PROJECT DESIGNATION	
HPP-0993(19)-69351	
STATE	YEAR
ALASKA	2012
SHEET NUMBER	TOTAL SHEETS
U7	XX



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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DATE: 08/24/12
 TIME: 10:00 AM

PROJECT: SIT-HALBUT POINT ROAD PAVEMENT REHABILITATION & WATER AND SEWER UPGRADE

DATE: 08/24/12
 TIME: 10:00 AM

PROJECT: SIT-HALBUT POINT ROAD PAVEMENT REHABILITATION & WATER AND SEWER UPGRADE

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

WATER LINE RELOCATION

DESIGNED BY:

ENGINEERED BY:

DATE: 08/24/12

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC SAFETY
 SOUTHWEST REGION

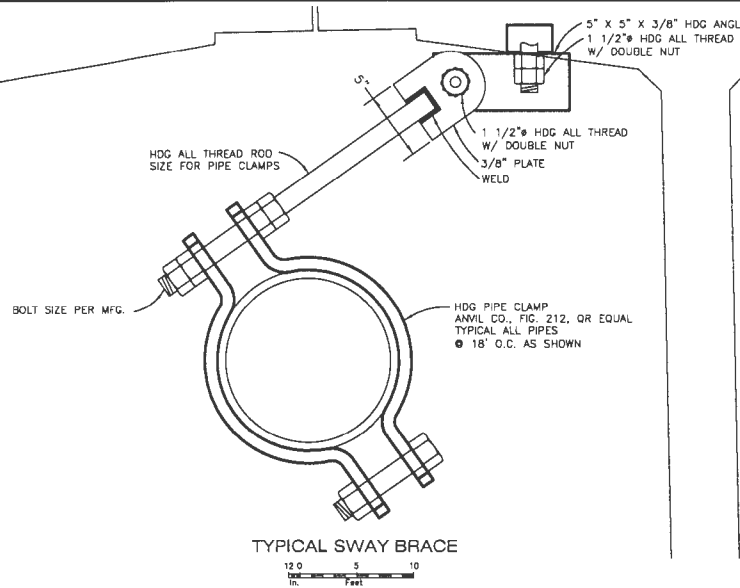
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SIT-WATER AND SEWER UPGRADE RBA NO. 67403

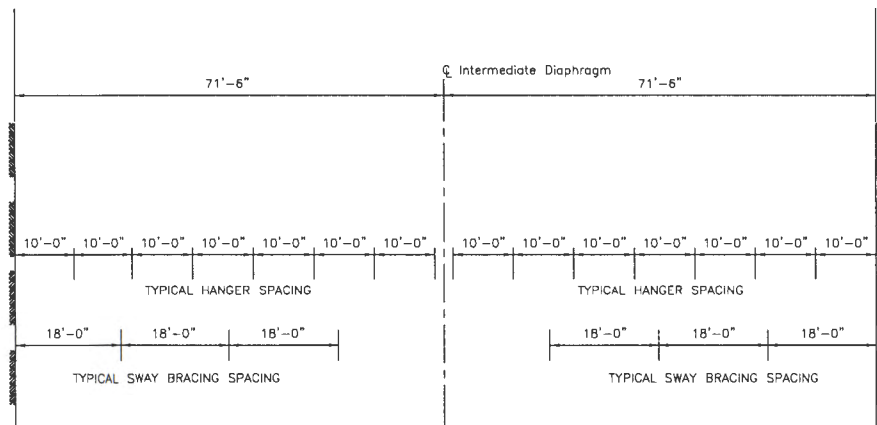
PROJECT NUMBER: HPP-0993(19)-69351

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U8	XX



TYPICAL SWAY BRACE



HANGER & SWAY BRACING SPACING



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ADMINISTRATOR
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ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION

TYPICAL UTILITY BRIDGE
 HANGER ARRANGEMENT

CHECKED BY:

DESIGNED BY:

DRAWN BY:

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

SIT-HALIBUT POINT ROAD
 PAVEMENT REHABILITATION
 PROJECT #69351

SIT-WATER AND SEWER
 UPGRADE
 RSA NO. 67403

PROJECT DESIGNATION
 HPP-0993(19)-69351

STATE	YEAR
ALASKA	2012

SHEET NUMBER	TOTAL SHEETS
U9	XX

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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