

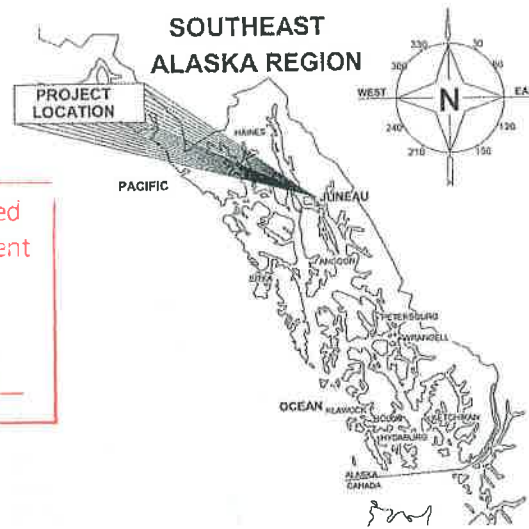
Asbuilt PLANS

# State of Alaska

Department of Transportation  
and Public Facilities  
Southeast Region

## JUNEAU, ALASKA STEPHEN RICHARDS

SAFETY & CAPACITY IMPROVEMENTS  
PROJECT No. 68740 ~ HHE-0966(26)  
REBID

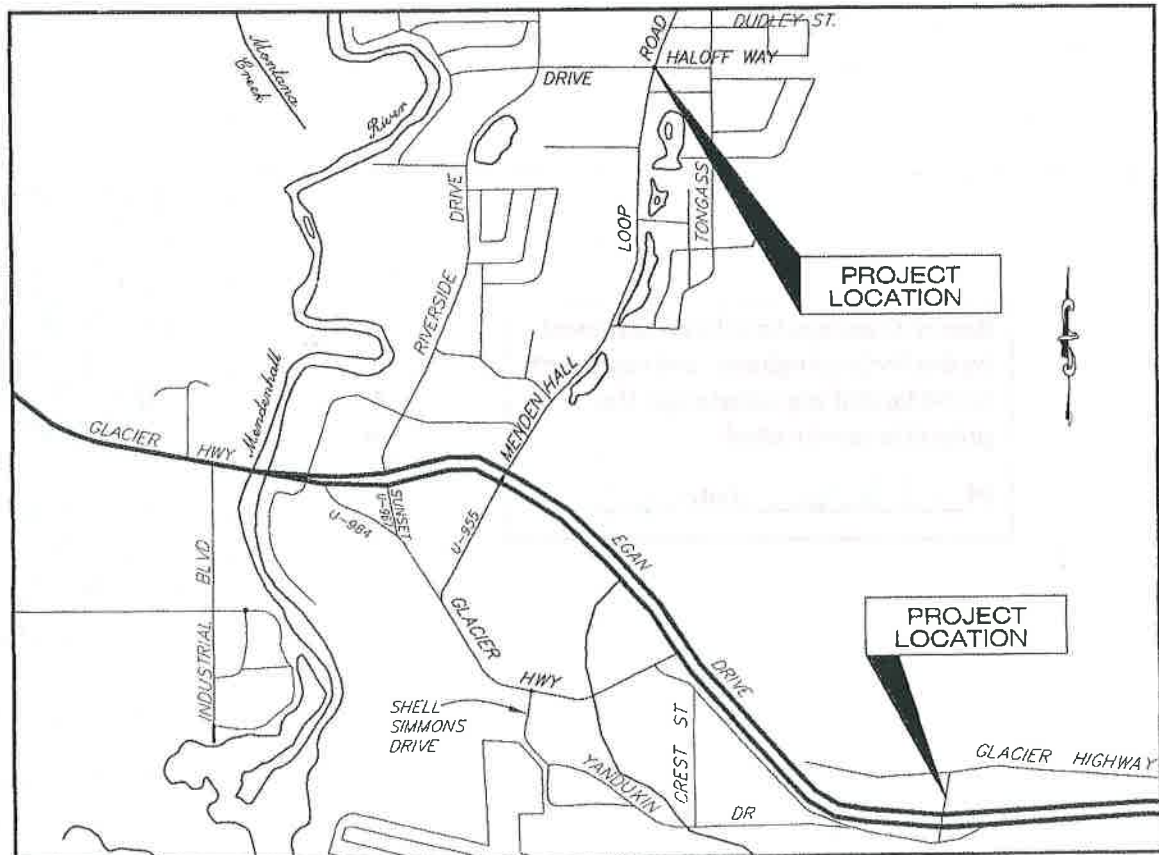


Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE KF Norheim Date 3/20/15

INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SURVEY CONTROL
A3	ALIGNMENT LAYOUT
B1	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1	SUMMARIES
E1-E2	DETAILS
F1-F2	PLAN SHEETS
F3	FRED MEYER SIDEWALK MODIFICATIONS
H1	SIGNING & STRIPING
P1	ESCP
Q1-Q6	TRAFFIC SIGNAL PLANS
S1-S8	TRAFFIC CONTROL

CONTRACTOR	Chatham Electric
Proj. Engineer	Kraig Norheim
Begin DATE	5-19-2014
END DATE	9-15-2014



VICINITY MAP

**DESIGN DESIGNATION**

A.D.T. 2007	=	14,230 (LOOP)
A.D.T. 2027	=	17,200 (LOOP)
P.H.F.	=	12.0%
% T	=	8.0
V (LOOP/RICHARDS/HALOFF)	=	40/30/20 MPH
E.A.L.	=	1,850,000

**PROJECT SUMMARY**

CDS ROUTE NO.	=	296400 (LOOP) 296440 (RICHARDS) 296434 (HALOFF)
LENGTH OF PROJECT	=	506 FT
LENGTH OF TEMPORARY CONNECTIONS	=	0 FT
LENGTH OF PAVING	=	427.5 FT
WIDTH OF PAVING	=	52 FT

**THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:**

A-1	E-13.00	M-23.12	T-21.03	T-52.20
C-05.20	I-20.14	S-00.11	T-23.00	T-54.00
D-01.02	I-21.02	S-05.01	T-30.11	T-55.00
D-23.01	I-22.02	S-23.00	T31.00	
D-26.02	L-03.10	S-30.03	T-32.10	

CBJ STANDARD 206B

PATH: Q:\JUNU68740\PLANS\SETA1\TITLE\SHEET.DWG TAB:LAYOUT1

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

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION



APPROVED: 8-2-13  
Chuck Corre  
REGIONAL PRE-CONSTRUCTION ENGINEER  
CHUCK CORREA, P.E. 8/5/13 DATE

APPROVED: Albert H. Clough  
DIRECTOR, SOUTHEAST REGION  
ALBERT H. CLOUGH, CPG 8.5.2013 DATE

CERTIFIED TRUE & CORRECT AS-BUILT OF ACTUAL FIELD CONDITION:  
David Bruce Engsten  
CONSTRUCTION PROJECT MANAGER 4/22/15 DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	68740 ~ HHE-0966(26)	2013	A1	27

**HORIZONTAL CONTROL**

Horizontal Control for this project is based on the DOT/PT 2000 Juneau Grid

The DOT/PT Juneau Grid-2000 System is a local ground coordinate system based at USC&GS first order control station EDDIE. It relates to AKSPC zone 1 NAD83 through the following parameters:

Zone = NAD83(92) AKSPC ZONE 1  
 Grid Scale = 0.999928875  
 Convergence = -0°45'27.26"  
 Translation about USC&GS point EDDIE as follows:  
 AKSPC Northing = 2383469.17310 FT US  
 AKSPC Easting = 2512570.06318 FT US  
 Local Northing = 500000.0000 FT US  
 Local Easting = 500000.0000 FT US

**Project Specific Horizontal Control**

2: Brass cap centerline monument in case POC 81+57.72

JNU-Grid N 510083.6104 FT US, E 498697.1061 FT US  
 AKSPC N 2393568.4102 FT US, E 2511400.6893 FT US

**VERTICAL CONTROL**

The Vertical Datum for JNU Grid-2000 is MLLW Gastineau Channel tidal datum based on third order differential levels and supplemented with GEOID '99 modeled orthometric heights. The tidal epoch is 1960-1978, but this epoch has been updated with a 5 year observation period from Jan '94 to Dec '98 published Nov '99. The latest NOS publication (10-2011) on the 1983-2001 tidal epoch indicates the datum has risen 0.32'.

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

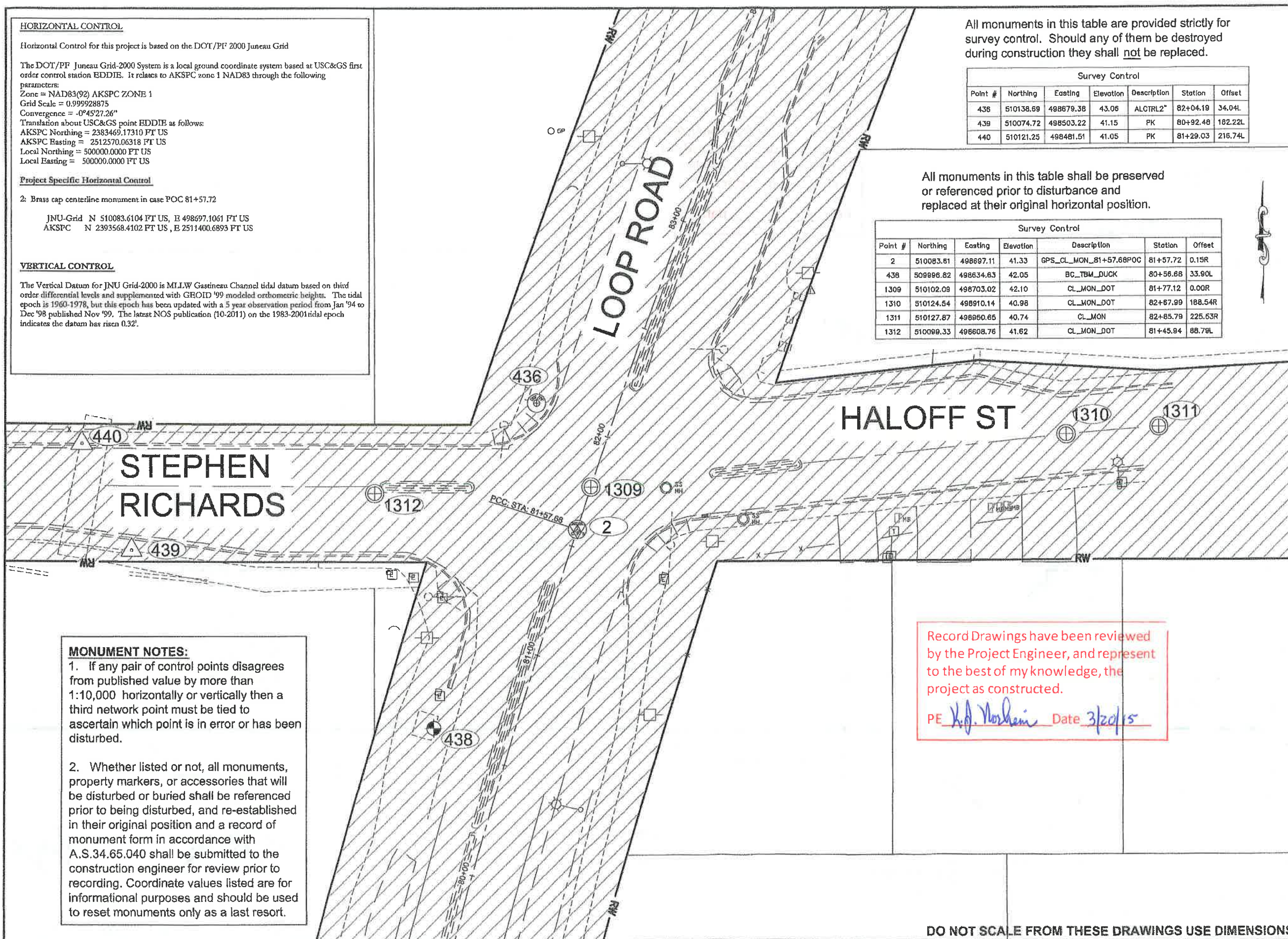
Survey Control						
Point #	Northing	Easting	Elevation	Description	Station	Offset
436	510138.69	498679.38	43.06	ALCTRL2"	82+04.19	34.04L
439	510074.72	498503.22	41.15	PK	80+92.48	182.22L
440	510121.25	498481.51	41.05	PK	81+29.03	216.74L

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

Survey Control						
Point #	Northing	Easting	Elevation	Description	Station	Offset
2	510083.61	498697.11	41.33	GPS_CL_MON_81+57.68POC	81+57.72	0.15R
438	509896.82	498634.63	42.05	BC_TBM_DUCK	80+56.68	33.90L
1309	510102.09	498703.02	42.10	CL_MON_DOT	81+77.12	0.00R
1310	510124.54	498910.14	40.98	CL_MON_DOT	82+67.99	188.54R
1311	510127.87	498850.65	40.74	CL_MON	82+65.79	225.53R
1312	510099.33	498608.76	41.62	CL_MON_DOT	81+45.94	88.78L

PATH:Q:\JUN09\8178\VC3D\SOURCE  
 DWG:BASEMAPA2  
 CONTROL\_HALOFF\_032613.DWG  
 PAPI, JAMES M (DOT)  
 TAB: A2 Thursday, May 23, 2013 11:14:26 AM

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



**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.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
 PE *K.J. Norman* Date *3/20/15*

**PLAN LEGEND**

CHECKED BY: D. IGNOTOV



DESIGNED BY: J.PAPOI

DRAWN BY: J.PAPOI

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
 SAFETY & CAPACITY  
 IMPROVEMENTS  
 PROJECT #68740

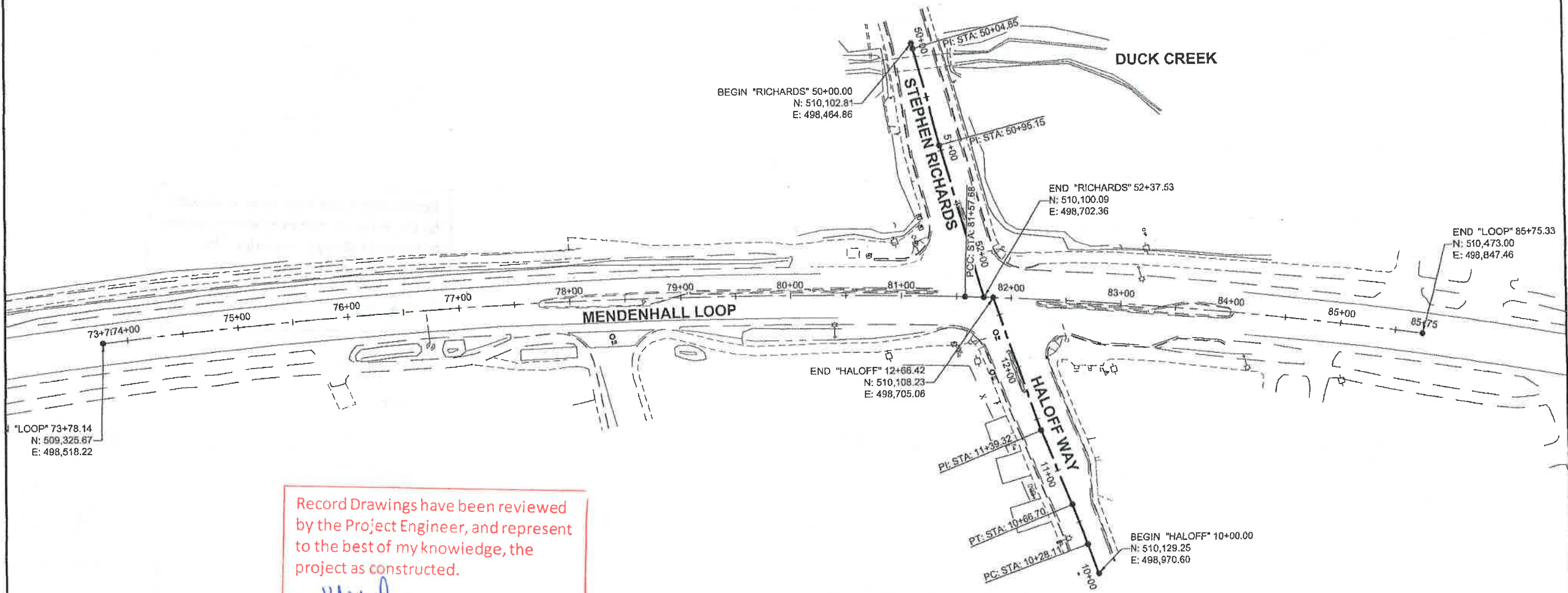
**SURVEY CONTROL**

PROJECT DESIGNATION	
68740 ~ HHE-0966(26)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
A2	XX

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

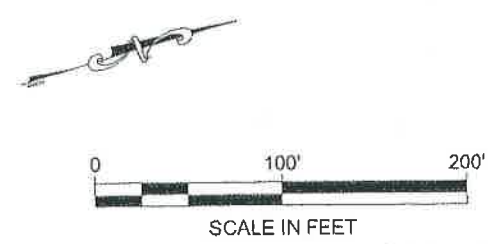
Number	START STATION	NORTHING	EASTING	NORTHING CENTER	EASTING CENTER	RADIUS	LENGTH	DELTA
C1	73+78.14	509325.67	498518.22	508568.48	503425.86	4965.51	779.54	8° 59' 41.5"
C2	81+57.68	510083.62	498696.96	508888.04	502369.08	3861.86	417.65	6° 11' 47.2"

Number	START STATION	NORTHING	EASTING	TANGENT DISTANCE	TANGENT BEARING
L50.1	50+00.00	510102.81	498464.86	4.85	S89° 49' 34.3"E
L50.2	50+04.85	510102.80	498469.71	90.30	S88° 33' 25.7"E
L50.3	50+95.15	510100.52	498559.98	142.38	S89° 49' 34.3"E



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
 PE *R.J. Notheim* Date 3-20-15

Number	START STATION	NORTHING	EASTING	TANGENT DISTANCE	TANGENT BEARING	NORTHING CENTER	EASTING CENTER	RADIUS	LENGTH	DELTA
L10.1	10+00.00	510129.25	498970.60	28.11	S86° 01' 30.2"W					
C10.1	10+28.11	510127.30	498942.56			509129.71	499011.88	1000.00	38.59	2° 12' 40.1"
L10.2	10+66.70	510123.89	498904.12	72.62	S83° 48' 50.2"W					
L10.3	11+39.32	510116.06	498831.92	127.10	S86° 28' 08.5"W					



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLAN LEGEND

CHECKED BY: C. HOWARD



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
 SAFETY & CAPACITY  
 IMPROVEMENTS  
 PROJECT #68740

ALIGNMENT LAYOUT

PROJECT DESIGNATION  
 68740 ~ HHE-0966(26)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
A3	27

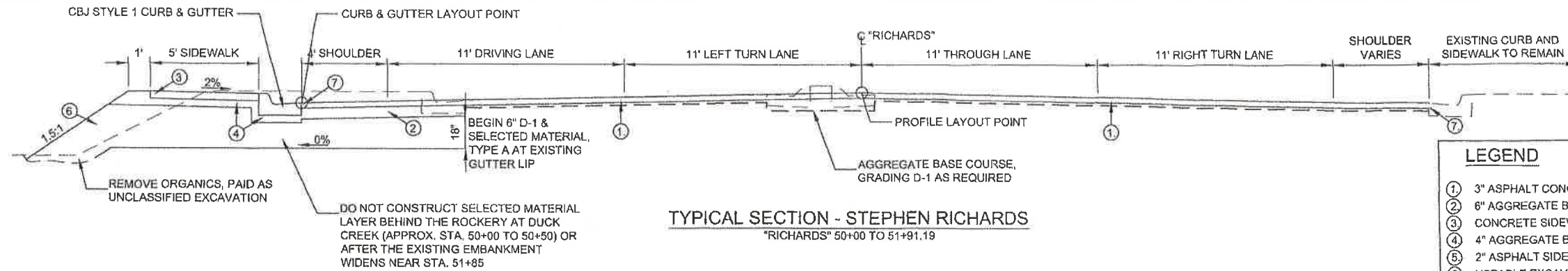
WEAVER, JON M (DOT)  
TAB: B1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

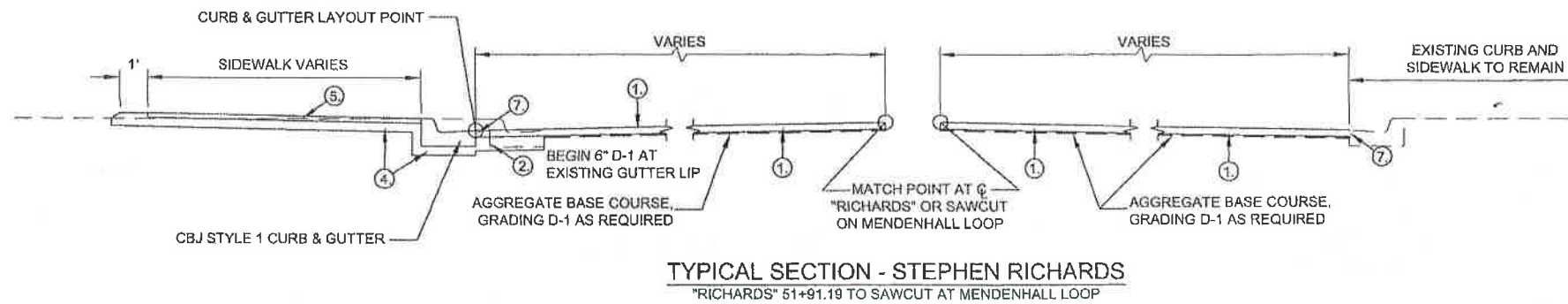
No.	DATE	DESCRIPTION



**TYPICAL SECTION - STEPHEN RICHARDS**  
"RICHARDS" 50+00 TO 51+91.19

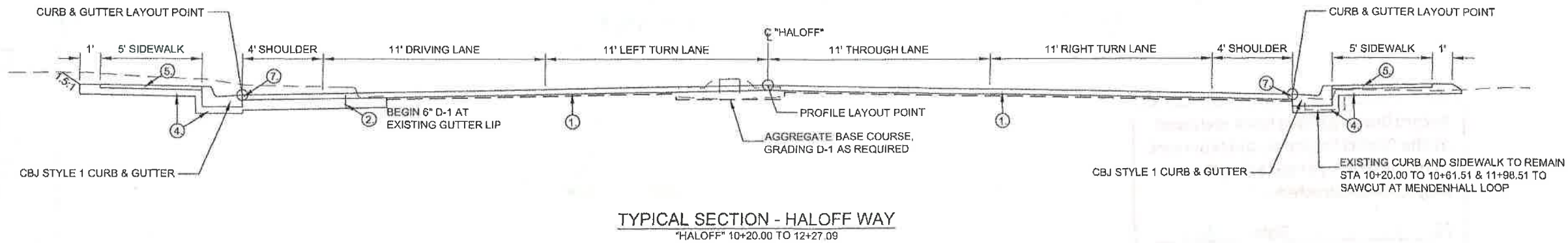
**LEGEND**

- ① 3" ASPHALT CONCRETE, TYPE II; CLASS B
- ② 6" AGGREGATE BASE COURSE, GRADING D-1
- ③ CONCRETE SIDEWALK, 4 INCHES THICK
- ④ 4" AGGREGATE BASE COURSE, GRADING D-1
- ⑤ 2" ASPHALT SIDEWALK
- ⑥ USEABLE EXCAVATION OR BORROW MEETING SELECTED MATERIAL, TYPE A
- ⑦ STE-1 ASPHALT FOR TACK COAT

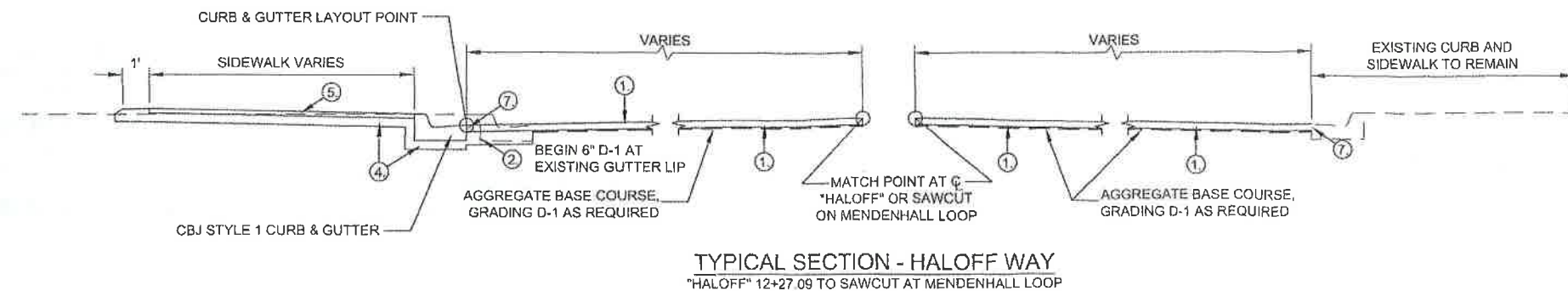


**TYPICAL SECTION - STEPHEN RICHARDS**  
"RICHARDS" 51+91.19 TO SAWCUT AT MENDENHALL LOOP

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *H. Perkins* Date 3-20-15



**TYPICAL SECTION - HALOFF WAY**  
"HALOFF" 10+20.00 TO 12+27.09



**TYPICAL SECTION - HALOFF WAY**  
"HALOFF" 12+27.09 TO SAWCUT AT MENDENHALL LOOP

- TYPICAL SECTIONS NOTES:**
1. REMOVE EXISTING PAVEMENT & CURBED ISLANDS.
  2. WHERE CURB AND GUTTER REMAIN, MATCH PAVING AT EXISTING GUTTER LIP.
  3. SEED ALL DISTURBED SOIL SLOPES.

**PLAN LEGEND**

CHECKED BY: C. HOWARD



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

**TYPICAL SECTIONS**

PROJECT DESIGNATION  
68740 ~ HHE0966(26)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
B1	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

WEAVER, JON M (DOT)  
TAB: C1

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

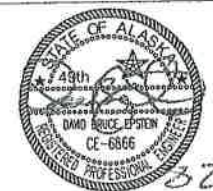
ESTIMATE OF QUANTITIES			
ITEM No.	PAY ITEM	PAY UNIT	QUANTITY
201(3B)	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED
202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED
202(2)	REMOVAL OF PAVEMENT	SQUARE YARD	2379 2040
202(3)	REMOVAL OF SIDEWALK	SQUARE YARD	415 452.6
202(9)	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	875 917.7
203(3)	UNCLASSIFIED EXCAVATION	CUBIC YARD	345 219.5
202(11)	MULTIPLE MAIL BOX INSTALLATION	EACH	1
202(12)	DOUBLE MAIL BOX INSTALLATION	EACH	1
203(6)	BORROW	TON	360 110
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	360 345
401(1)	ASPHALT CONCRETE, TYPE II; CLASS B	TON	445 450
401(2)	ASPHALT CEMENT, GRADE PG 58-28	TON	27
603(1-12)	12 INCH CSP	LINEAR FOOT	4 8.5
604(4)	ADJUST EXISTING MANHOLE	EACH	2
604(5)	INLET, TYPE A	EACH	1
604(8)	ADJUST EXISTING INLET	EACH	2
607(7)	STEPHEN RICHARDS SNOW FENCE	LINEAR FOOT	40
608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	SQUARE YARD	130
608(3)	ASPHALT SIDEWALK	SQUARE YARD	360
608(6)	CURB RAMP	EACH	-4 6
608(10)	<del>SURFACE APPLIED TRUNCATED DOME TILE</del>	<del>EACH</del>	<del>2</del>
609(2)	CURB AND GUTTER, TYPE 1	LINEAR FOOT	875 713.3
615(2)	REMOVE AND RELOCATE EXISTING SIGN	EACH	8
615(5)	DELINEATOR, FLEXIBLE	EACH	2
615(6)	SALVAGE SIGN	EACH	4
633(2)	SEDIMENT BARRIER	LINEAR FOOT	230
639(1)	RESIDENCE DRIVEWAY	EACH	5
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED
641(1)	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED
641(2)	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQUIRED
641(6)	WITHOLDING	CONTINGENT SUM	ALL REQUIRED
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED
642(8)	ADJUST EXISTING MONUMENT	EACH	3
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED
643(11)	SPECIAL CONSTRUCTION SIGNS	SQUARE FOOT	122.75
643(14)	INTERIM PAVEMENT MARKING		
643(15)	FLAGGING	CONTINGENT SUM	ALL REQUIRED
643(24)	PORTABLE CHANGEABLE MESSAGE BOARD SIGN	EACH	4
643(23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED
646(1)	CPM SCHEDULING	LUMP SUM	ALL REQUIRED
660(1)	TRAFFIC SIGNAL SYSTEM COMPLETE	LUMP SUM	ALL REQUIRED
670(13)	INLAID METH-YL METH-ACRYLATE PAVEMENT MARKINGS	LUMP SUM	ALL REQUIRED
690(1)	INLET PROTECTION	EACH	2 4

BASIS OF ESTIMATE

ITEM No.	ITEM DESCRIPTION	ESTIMATING FACTOR
201(3B)	CLEARING AND GRUBBING	0.1 ACRE
301(1)	AGGREGATE BASE COURSE, GRADING D-1	2.0 TON / CY
401(1)	ASPHALT CONCRETE, TYPE II; CLASS B	116 LB / SY PER INCH DEPTH
401(2)	ASPHALT CEMENT, GRADE PG 58-28	6% OF ITEM 401(1)
670(13)	INLAID METH-YL METH-ACRYLATE PAVEMENT MARKINGS	740 LF 4" SOLID WHITE 376 LF 4" DOUBLE SOLID YELLOW 320 LF 8" SOLID WHITE 510 LF 24" SOLID WHITE ARROW - 6 EACH

PLAN LEGEND

CHECKED BY: C. HOWARD



3213

DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

ESTIMATE OF QUANTITIES

PROJECT DESIGNATION

68740 ~ HHE0966(26)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
C1	27

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE K.J. Nozheim Date 3-20-15

MAILBOX SUMMARY	
STATION	NOTE
"HALOFF" 10+95 RT	MULTIPLE MAILBOX - 6 BOXES & 4 NEWSPAPER
"HALOFF" 11+38 RT	DOUBLE MAILBOX - 2 BOXES & 2 NEWSPAPER

MANHOLE ADJUSTMENT SUMMARY		
STATION	O/S	NOTES
"HALOFF" 12+04	24' LT	SET AT NEW ROADWAY ELEVATION, REPLACE FRAME AND LID WITH LOCKING, TRAFFIC RATED FRAME AND LID.
"HALOFF" 12+38	8.5' LT	RESET AT EXISTING ELEVATION

REMOVE AND RELOCATE EXISTING SIGN SUMMARY		
NO.	LEGEND	NOTES
1	NO PARKING	RELOCATE BEHIND NEW SIDEWALK
2	NO BURNING	RELOCATE BEHIND NEW SIDEWALK
3	MENDON-HALL LOOP RD.	RELOCATE TO NEW POLE 1
4	PED COUNTDOWN PLAQUE	RELOCATE TO NEW POLE 1
5	PED COUNTDOWN PLAQUE	RELOCATE TO NEW PED POLE 5
6	MENDON-HALL LOOP RD.	RELOCATE TO NEW POLE 3
7	PED COUNTDOWN PLAQUE	RELOCATE TO NEW POLE 3
8	PED COUNTDOWN PLAQUE	RELOCATE TO NEW PED POLE 6

SALVAGE SIGN SUMMARY		
NO.	LEGEND	NOTES
1	(LEFT ARROW) ONLY YEILD ON GREEN	ON SIGNAL POLE 2
2	(LEFT ARROW) ONLY YEILD ON GREEN	ON SIGNAL POLE 4
3	LEFT TURN YEILD ON GREEN	ON SIGNAL POLE 1
4	LEFT TURN YEILD ON GREEN	ON SIGNAL POLE 3

MONUMENT ADJUSTMENT SUMMARY		
STATION	O/S	NOTES
"RICHARDS" 51+43.93	1.05' RT	EXISTING CL MONUMENT
"HALOFF" 10+20.00	0.00'	EXISTING CL MONUMENT
"HALOFF" 10+60.65	0.02' RT	EXISTING CL MONUMENT

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE Kj. Norheim Date 3-20-15

PATH: Q:\JNU\68740\PLANSET\01 SUMMARIES.DWG  
WEAVER, JON M (DOT)  
TAB: D1

ADDENDUM NUMBER


ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

**PLAN LEGEND**

CHECKED BY: C. HOWARD



DESIGNED BY: J. WEAVER  
DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

**SUMMARIES**

PROJECT DESIGNATION  
**68740 ~ HHE0966(26)**

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
D1	27

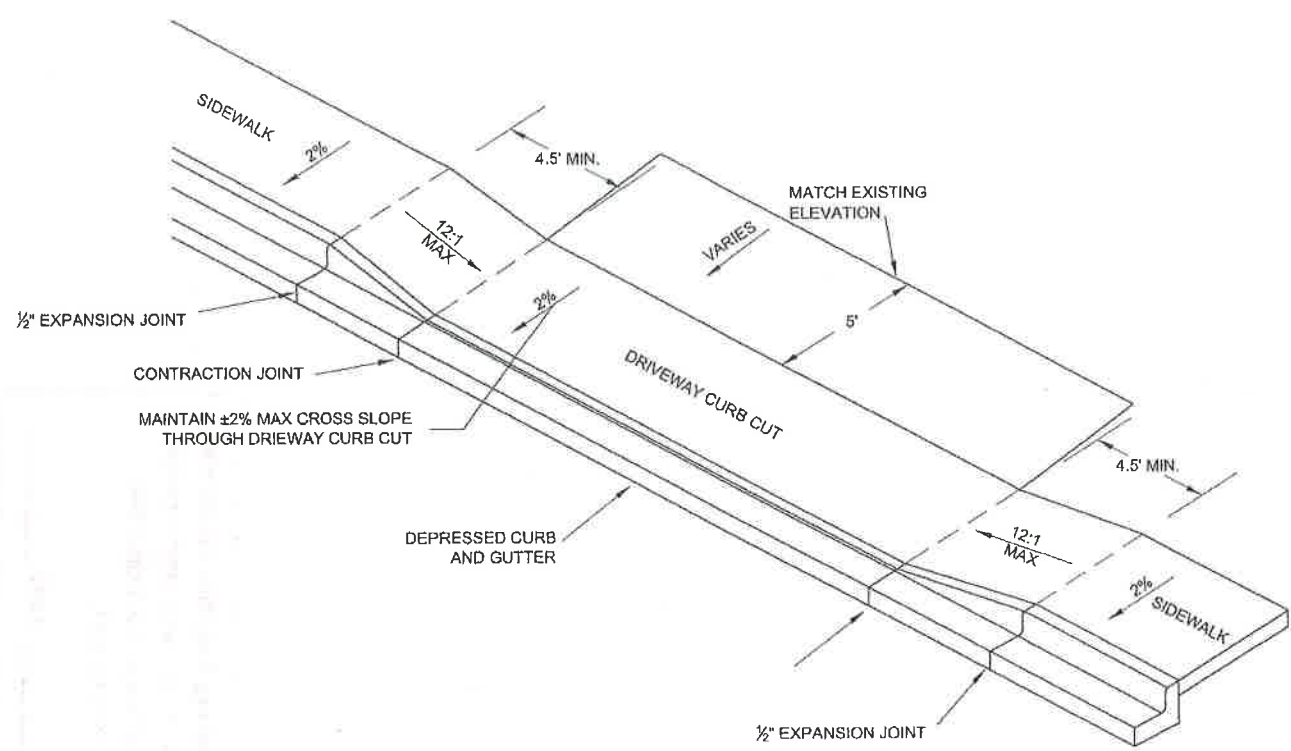
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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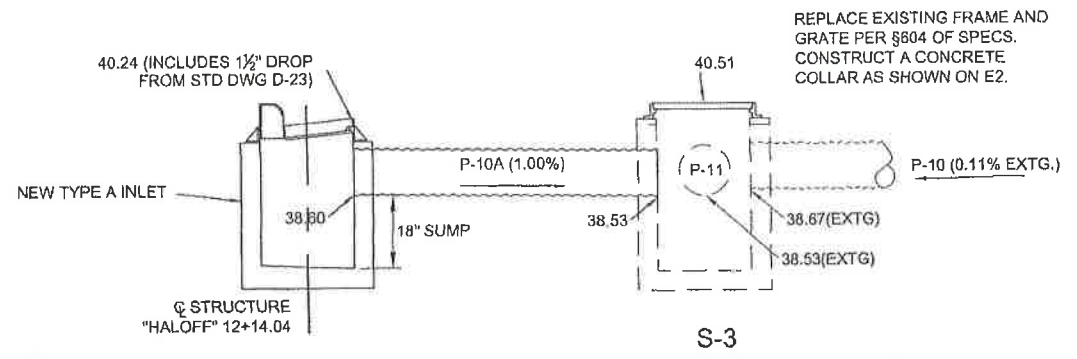
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WEAVER, JON M (DOT)

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

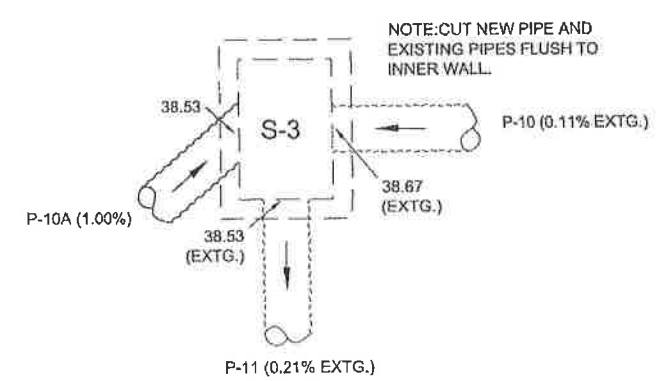


**DRIVEWAY CURB CUT DETAIL**



**S-3A**

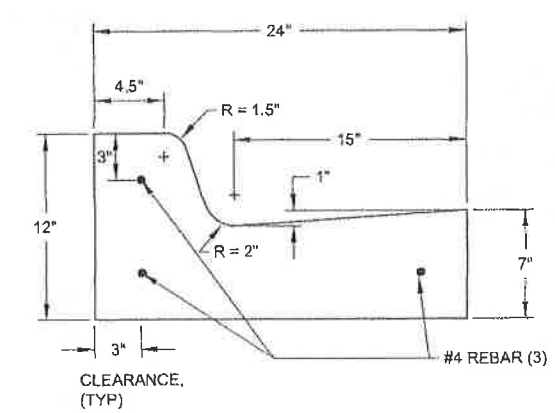
**SECTION VIEW**



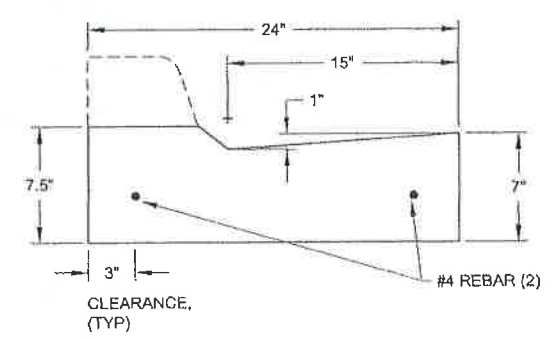
**PLAN VIEW**

**STORM DRAIN DETAILS**

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
 PE *K.J. Mohr* Date 3-20-15

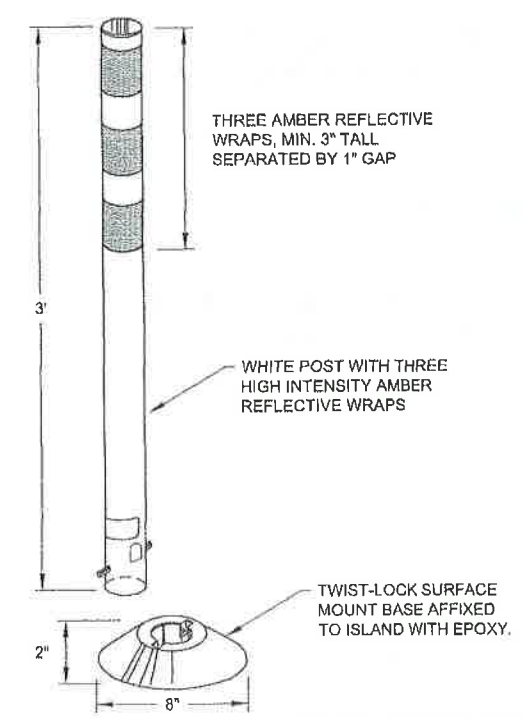


**CBJ STYLE 1 CURB AND GUTTER**



**DEPRESSED CURB AND GUTTER**

**FLEXIBLE DELINEATOR DETAILS**



**DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS**

**PLAN LEGEND**

CHECKED BY: C. HOWARD

DESIGNED BY: J. WEAVER  
 DRAWN BY: J. WEAVER

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
 SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
 SAFETY & CAPACITY  
 IMPROVEMENTS  
 PROJECT #68740

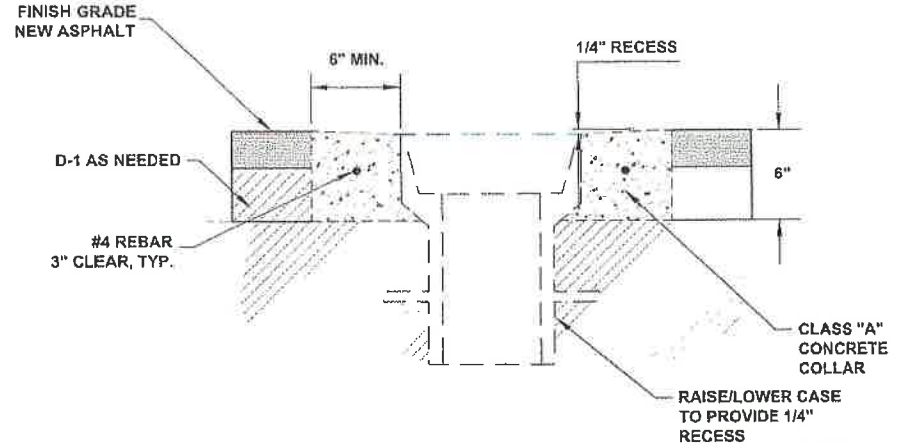
**DETAILS**

PROJECT DESIGNATION	
68740 ~ HHE0966(26)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
E1	27

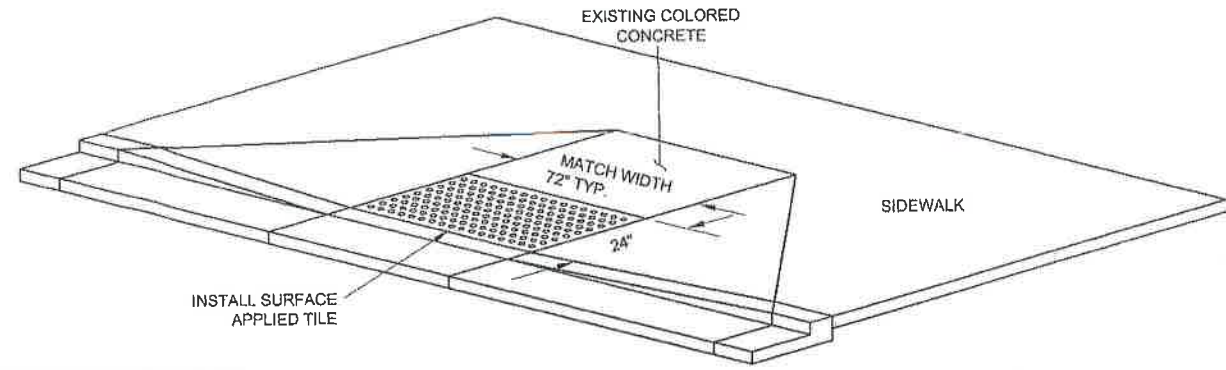
ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

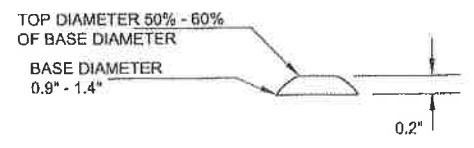


**MONUMENT CASE  
ADJUSTMENT DETAIL**

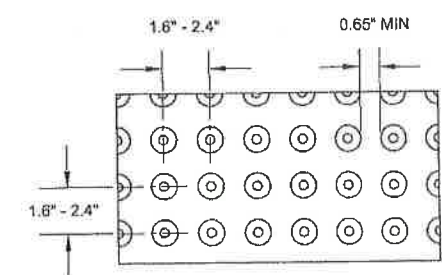


**TILE NOTES:**

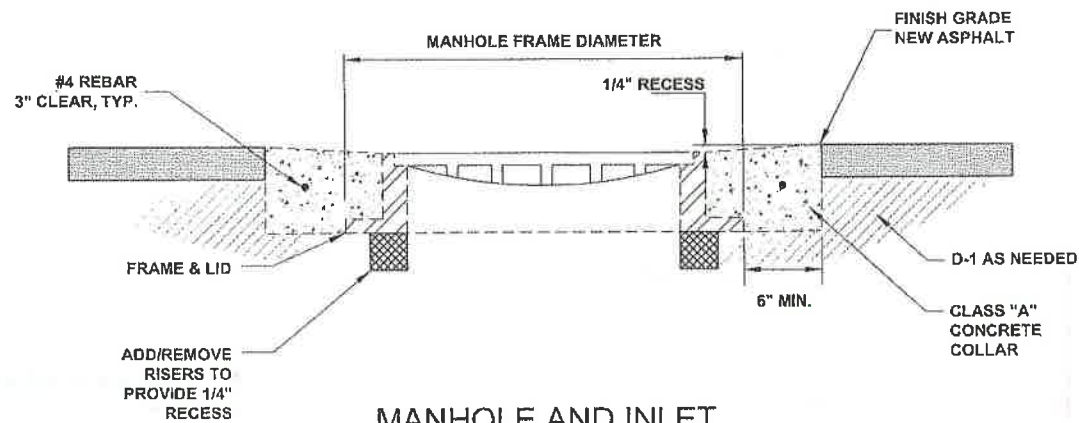
1. TILES SHALL BE PERMANENTLY AFFIXED TO THE EXISTING CONCRETE WITH A SYSTEM THAT WILL NOT BE DISLODGED BY SNOW CLEARING OPERATIONS.
2. ALIGN DOME PATTERN IN THE PREDOMINANT DIRECTION OF WHEELCHAIR TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN THE DOMES.
3. TILES SHALL BE YELLOW.



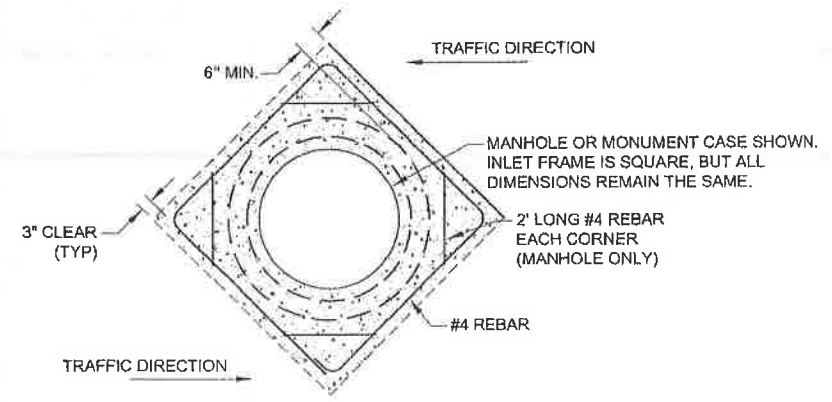
**TRUNCATED DOME DETAIL**



**TEXTURE PATTERN DETAIL**

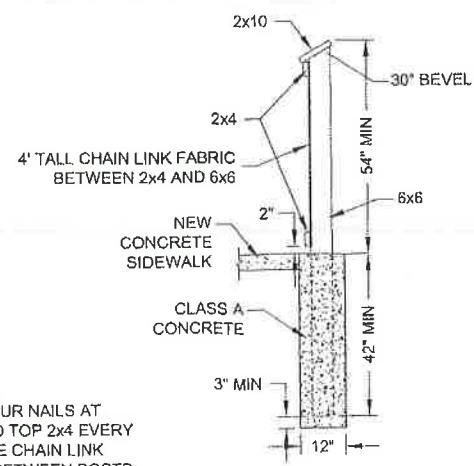


**MANHOLE AND INLET  
ADJUSTMENT DETAIL**

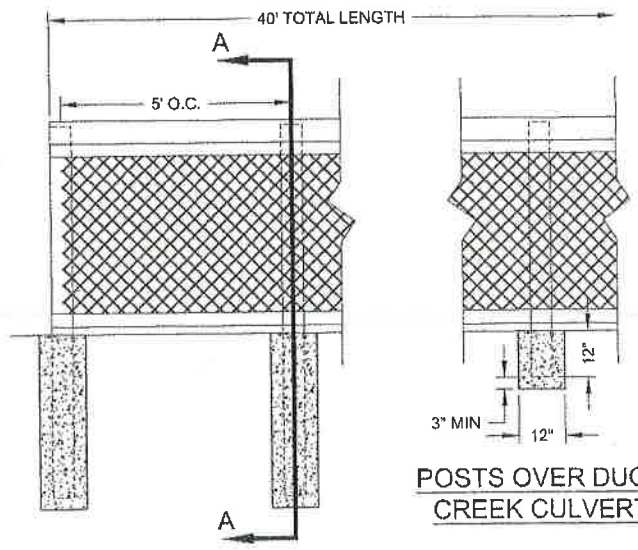


**MANHOLE, INLET, AND MONUMENT  
CASE CONCRETE COLLAR PLAN**

**NOTES:**  
NAIL 2x4'S AND 2x10 WITH FOUR NAILS AT EACH 6x6 POST. NAIL 2x10 TO TOP 2x4 EVERY 18" BETWEEN POSTS. STAPLE CHAIN LINK FABRIC TO 2x4'S EVERY 18" BETWEEN POSTS, AND TO 6x6 EVERY 12" AT EACH POST.



**SECTION A-A**



**TYPICAL POST ELEVATION**

**POSTS OVER DUCK  
CREEK CULVERT**

**FENCE DETAILS**

**DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS**

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *K.J. Mohr* Date 3-20-15

**PLAN LEGEND**

CHECKED BY: C. HOWARD



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

**DETAILS**

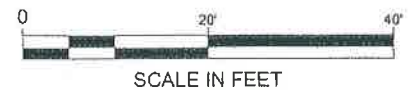
PROJECT DESIGNATION

**68740 ~ HHE0966(26)**

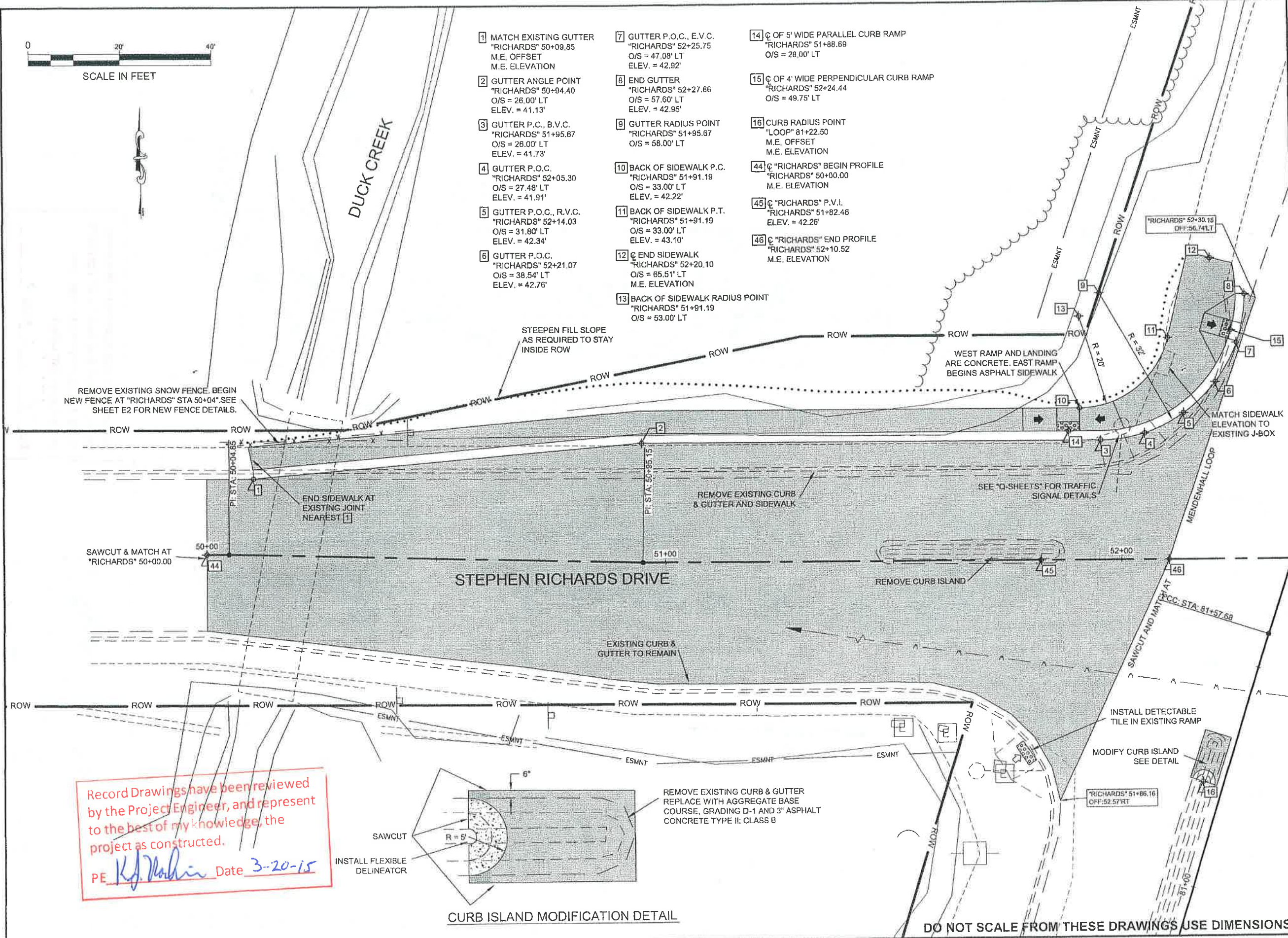
STATE	YEAR
<b>ALASKA</b>	<b>2013</b>
SHEET NUMBER	TOTAL SHEETS
<b>E2</b>	<b>27</b>

WEAVER, JON M (DOT)  
TAB: F1

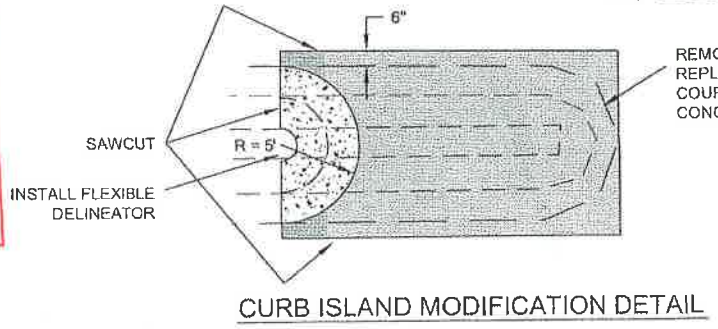
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



- 1 MATCH EXISTING GUTTER  
"RICHARDS" 50+09.85  
M.E. OFFSET  
M.E. ELEVATION
- 2 GUTTER ANGLE POINT  
"RICHARDS" 50+94.40  
O/S = 26.00' LT  
ELEV. = 41.13'
- 3 GUTTER P.C., B.V.C.  
"RICHARDS" 51+95.67  
O/S = 26.00' LT  
ELEV. = 41.73'
- 4 GUTTER P.O.C.  
"RICHARDS" 52+05.30  
O/S = 27.48' LT  
ELEV. = 41.91'
- 5 GUTTER P.O.C., R.V.C.  
"RICHARDS" 52+14.03  
O/S = 31.80' LT  
ELEV. = 42.34'
- 6 GUTTER P.O.C.  
"RICHARDS" 52+21.07  
O/S = 38.54' LT  
ELEV. = 42.76'
- 7 GUTTER P.O.C., E.V.C.  
"RICHARDS" 52+25.75  
O/S = 47.08' LT  
ELEV. = 42.92'
- 8 END GUTTER  
"RICHARDS" 52+27.66  
O/S = 57.60' LT  
ELEV. = 42.95'
- 9 GUTTER RADIUS POINT  
"RICHARDS" 51+95.67  
O/S = 58.00' LT
- 10 BACK OF SIDEWALK P.C.  
"RICHARDS" 51+91.19  
O/S = 33.00' LT  
ELEV. = 42.22'
- 11 BACK OF SIDEWALK P.T.  
"RICHARDS" 51+91.19  
O/S = 33.00' LT  
ELEV. = 43.10'
- 12 END SIDEWALK  
"RICHARDS" 52+20.10  
O/S = 65.51' LT  
M.E. ELEVATION
- 13 BACK OF SIDEWALK RADIUS POINT  
"RICHARDS" 51+91.19  
O/S = 53.00' LT
- 14 C OF 5' WIDE PARALLEL CURB RAMP  
"RICHARDS" 51+88.69  
O/S = 28.00' LT
- 15 C OF 4' WIDE PERPENDICULAR CURB RAMP  
"RICHARDS" 52+24.44  
O/S = 49.75' LT
- 16 CURB RADIUS POINT  
"LOOP" 81+22.50  
M.E. OFFSET  
M.E. ELEVATION
- 44 C "RICHARDS" BEGIN PROFILE  
"RICHARDS" 50+00.00  
M.E. ELEVATION
- 45 C "RICHARDS" P.V.L.  
"RICHARDS" 51+82.46  
ELEV. = 42.26'
- 46 C "RICHARDS" END PROFILE  
"RICHARDS" 52+10.52  
M.E. ELEVATION



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *Kj. Mahin* Date 3-20-15



PLAN LEGEND

CHECKED BY: C. HOWARD

DESIGNED BY: J. WEAVER  
DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #X68740

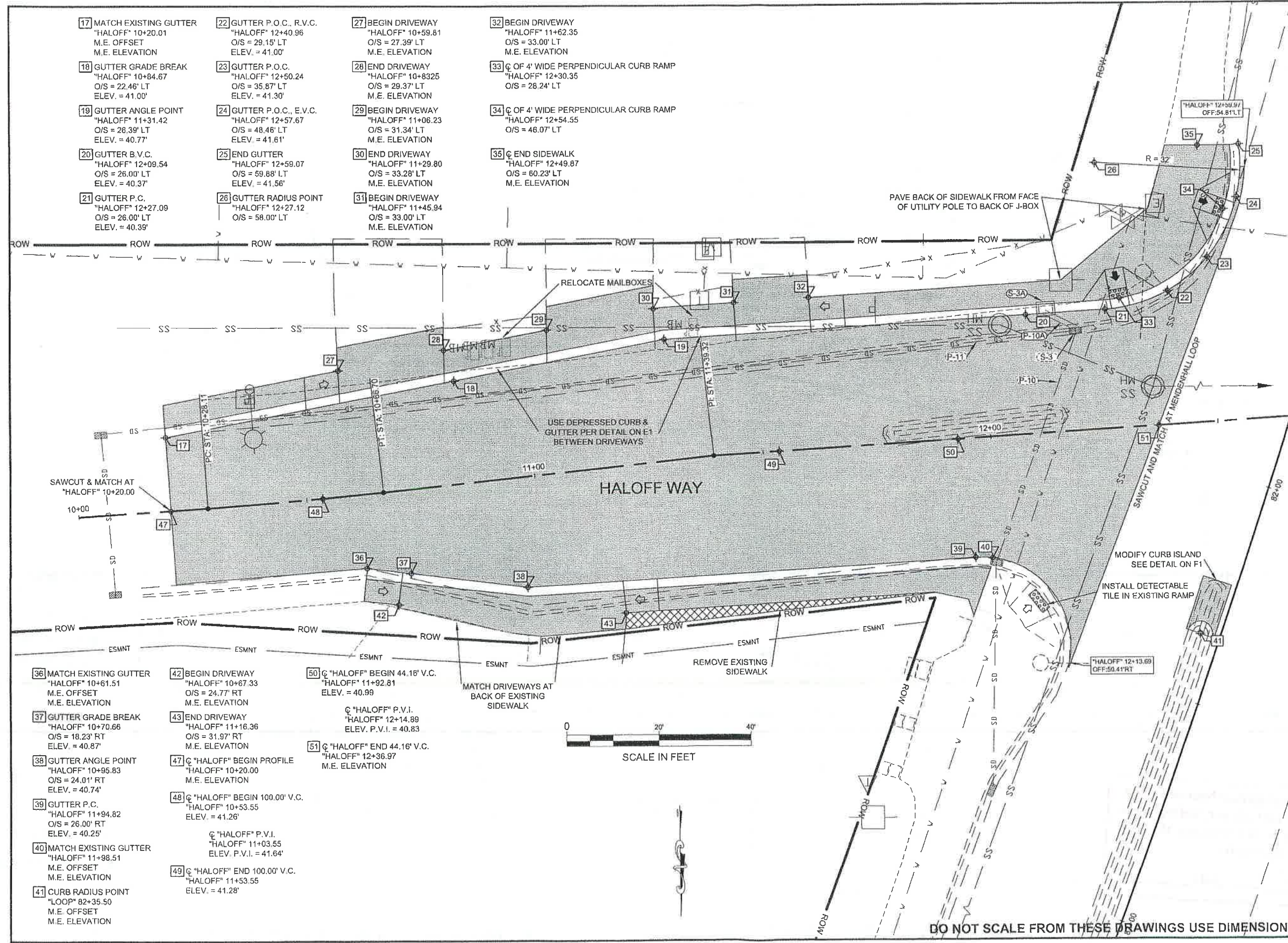
PLAN SHEET

PROJECT DESIGNATION  
68740 ~ HHE-0966(26)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F1	27

WEAVER, JON M (DOT)		
TAB: F2		
ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

Record Drawings have been reviewed  
 by the Project Engineer, and represent  
 to the best of my knowledge, the  
 project as constructed.  
*PE Jon M. Weaver* Date 3-20-15



**PLAN LEGEND**

CHECKED BY: C. HOWARD



DESIGNED BY: J. WEAVER  
DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #X68740

**PLAN SHEET**

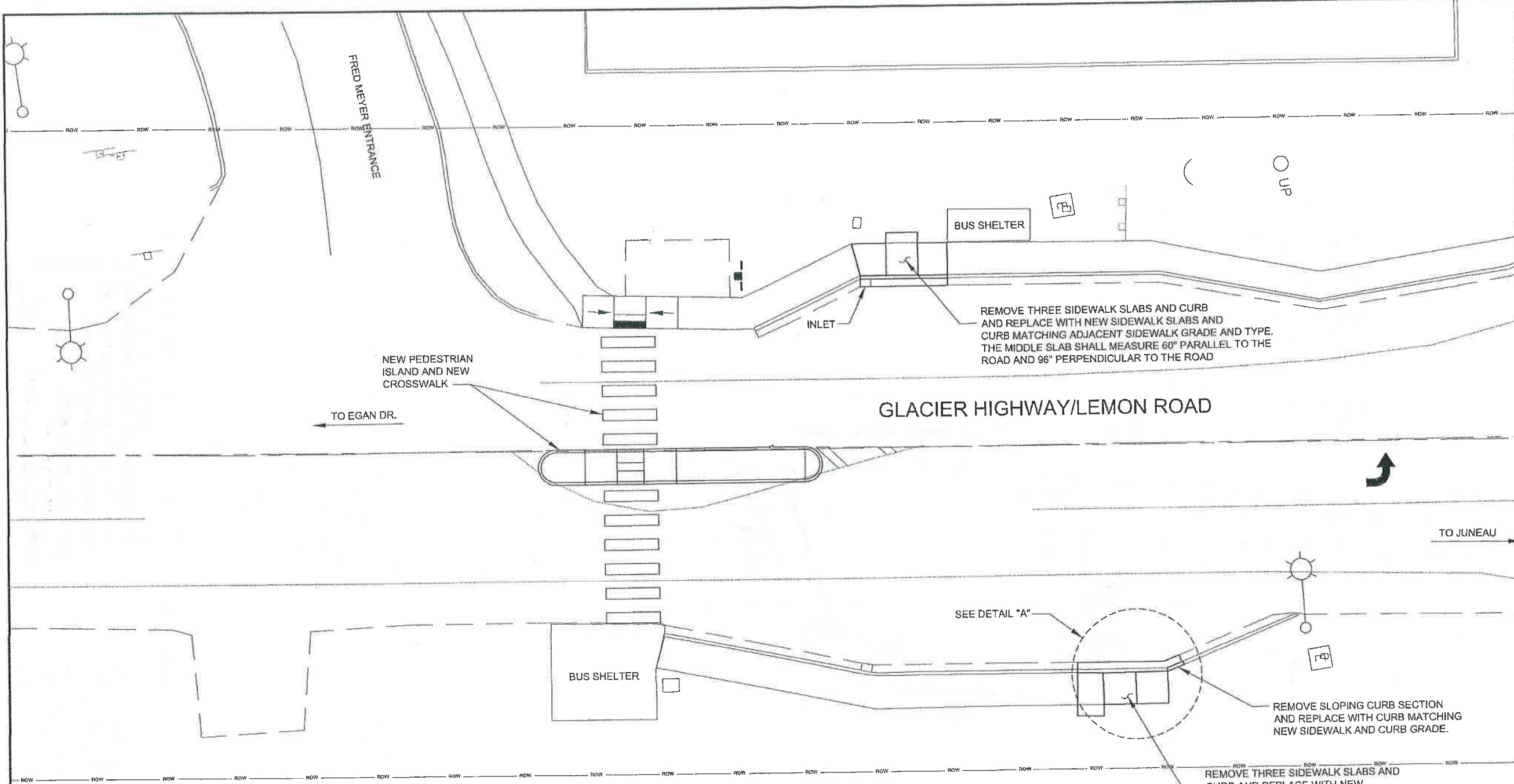
PROJECT DESIGNATION  
**68740 ~ HHE-0966(26)**

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F2	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:Q:\JNU\68740\PLANS\SET\F3 FRED MEYER.DWG  
 WEAVER, JON M (DOT)  
 TAB: F3

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



**PLAN LEGEND**

CHECKED BY: C. HOWARD

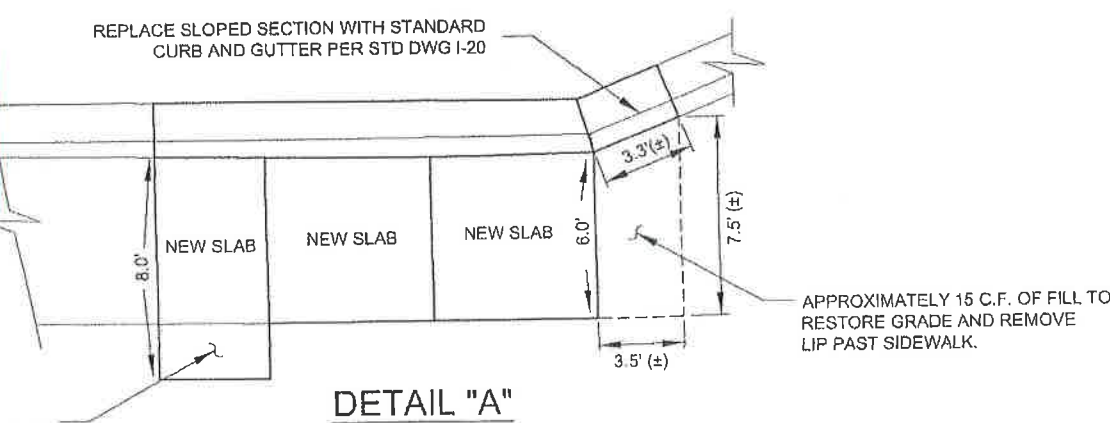
DESIGNED BY: D. EPSTEIN / J. WEAVER  
 DRAWN BY: J. WEAVER

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION

**JNU-STEPHEN RICHARDS  
 SAFETY & CAPACITY  
 IMPROVEMENTS  
 PROJECT #68740  
 FRED MEYER  
 SIDEWALK  
 MODIFICATIONS**

PROJECT DESIGNATION	
68740 ~ HHE-0966(26)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
F3	27

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
 PE *K.A. [Signature]* Date 3-20-15



COMPACT 4" OF D-1 UNDER PORTION OF SLAB OUTSIDE OF OLD SIDEWALK

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

No.	DATE	DESCRIPTION



NOTES:  
1. STATION AND OFFSET ARE CENTERLINE OF STRIPE.  
2. FOR SIGNS ON THE TRAFFIC SIGNAL POLES, SEE Q SHEETS.  
3. SEE STD DWG T-21 & T-22 FOR OTHER DETAILS, INCLUDING TURN ARROW PLACEMENT AND DIMENSIONS.

- 52] BEGIN 4" DOUBLE YELLOW  
"RICHARDS" 50+00.00  
M.E. OFFSET
- 53] 4" DOUBLE YELLOW ANGLE POINT  
"RICHARDS" 50+04.9  
O/S = 0.0'
- 54] 4" DOUBLE YELLOW ANGLE POINT  
"RICHARDS" 50+85.4  
O/S = 11.0' LT
- 55] END 4" DOUBLE YELLOW  
"RICHARDS" 51+79.3  
O/S = 11.0' LT
- 56] BEGIN 4" WHITE  
"RICHARDS" 50+00.0  
M.E. OFFSET
- 57] 4" WHITE ANGLE POINT  
"RICHARDS" 50+04.9  
O/S = 12.0' LT
- 58] 4" WHITE ANGLE POINT  
"RICHARDS" 50+95.6  
O/S = 22.0' LT

- 59] END 4" WHITE  
"RICHARDS" 51+80.8  
O/S = 22.0' LT
- 60] BEGIN 4" WHITE  
"RICHARDS" 50+00.0  
M.E. OFFSET
- 61] 4" WHITE ANGLE POINT  
"RICHARDS" 50+96.9  
O/S = 22.0' RT
- 62] END 4" WHITE  
"RICHARDS" 51+74.9  
O/S = 22.0' RT
- 63] BEGIN 8" WHITE  
"RICHARDS" 50+95.2  
O/S = 0.0'
- 64] END 8" WHITE  
"RICHARDS" 51+77.9  
O/S = 0.0'
- 65] BEGIN 8" WHITE  
"RICHARDS" 50+96.9  
O/S = 11.0' RT

- 66] END 8" WHITE  
"RICHARDS" 51+76.4  
O/S = 11.0' RT
- 67] BEGIN 24" WHITE  
"RICHARDS" 51+82.4  
O/S = 26.0' LT
- 68] END 24" WHITE  
"RICHARDS" 51+74.4  
O/S = 33.0' RT
- 69] BEGIN 24" WHITE  
"RICHARDS" 51+94.5  
O/S = 26.0' LT
- 70] 24" WHITE ANGLE POINT  
"RICHARDS" 51+86.2  
O/S = 35.2' RT
- 71] END 24" WHITE  
"HALOFF" 12+53.1  
O/S = 39.3' LT
- 72] BEGIN 24" WHITE  
"RICHARDS" 51+84.9  
O/S = 47.3' RT

- 73] END 24" WHITE  
"HALOFF" 12+58.4  
O/S = 51.3' LT
- 74] BEGIN 24" WHITE  
"HALOFF" 12+22.0  
O/S = 26.0' LT
- 75] END 24" WHITE  
"HALOFF" 12+00.8  
O/S = 26.9' RT
- 76] BEGIN 24" WHITE  
"HALOFF" 12+35.3  
O/S = 27.1' LT
- 77] 24" WHITE ANGLE POINT  
"HALOFF" 12+13.4  
O/S = 27.7' RT
- 78] END 24" WHITE  
"RICHARDS" 52+22.5  
O/S = 40.6' LT
- 79] BEGIN 24" WHITE  
"HALOFF" 12+13.5  
O/S = 39.8' RT

- 80] END 24" WHITE  
"RICHARDS" 52+27.2  
O/S = 52.5' LT
- 81] BEGIN 4" DOUBLE YELLOW  
"HALOFF" 10+20.0  
M.E. OFFSET
- 82] 4" DOUBLE YELLOW ANGLE POINT  
"HALOFF" 11+30.7  
O/S = 11.4' LT
- 83] END 4" DOUBLE YELLOW  
"HALOFF" 12+14.9  
O/S = 11.0' LT
- 84] BEGIN 4" WHITE  
"HALOFF" 10+20.0  
M.E. OFFSET
- 85] 4" WHITE ANGLE POINT  
"HALOFF" 10+62.3  
O/S = 11.6' RT
- 86] 4" WHITE ANGLE POINT  
"HALOFF" 10+96.4  
O/S = 20.0' RT
- 87] END 4" WHITE  
"HALOFF" 12+01.7  
O/S = 22.0' RT
- 88] BEGIN 4" WHITE  
"HALOFF" 10+20.0  
M.E. OFFSET

- 89] 4" WHITE ANGLE POINT  
"HALOFF" 11+31.2  
O/S = 22.4' LT
- 90] END 4" WHITE  
"HALOFF" 12+19.3  
O/S = 22.0' LT
- 91] BEGIN 8" WHITE  
"HALOFF" 11+29.7  
O/S = 10.6' RT
- 92] END 8" WHITE  
"HALOFF" 12+06.1  
O/S = 11.0' RT
- 93] BEGIN 8" WHITE  
"HALOFF" 11+30.2  
O/S = 0.4' LT
- 94] END 8" WHITE  
"HALOFF" 12+10.5  
O/S = 0.0'

Records Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *K.J. Mahan* Date 3-20-18

**PLAN LEGEND**

CHECKED BY: C. HOWARD



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

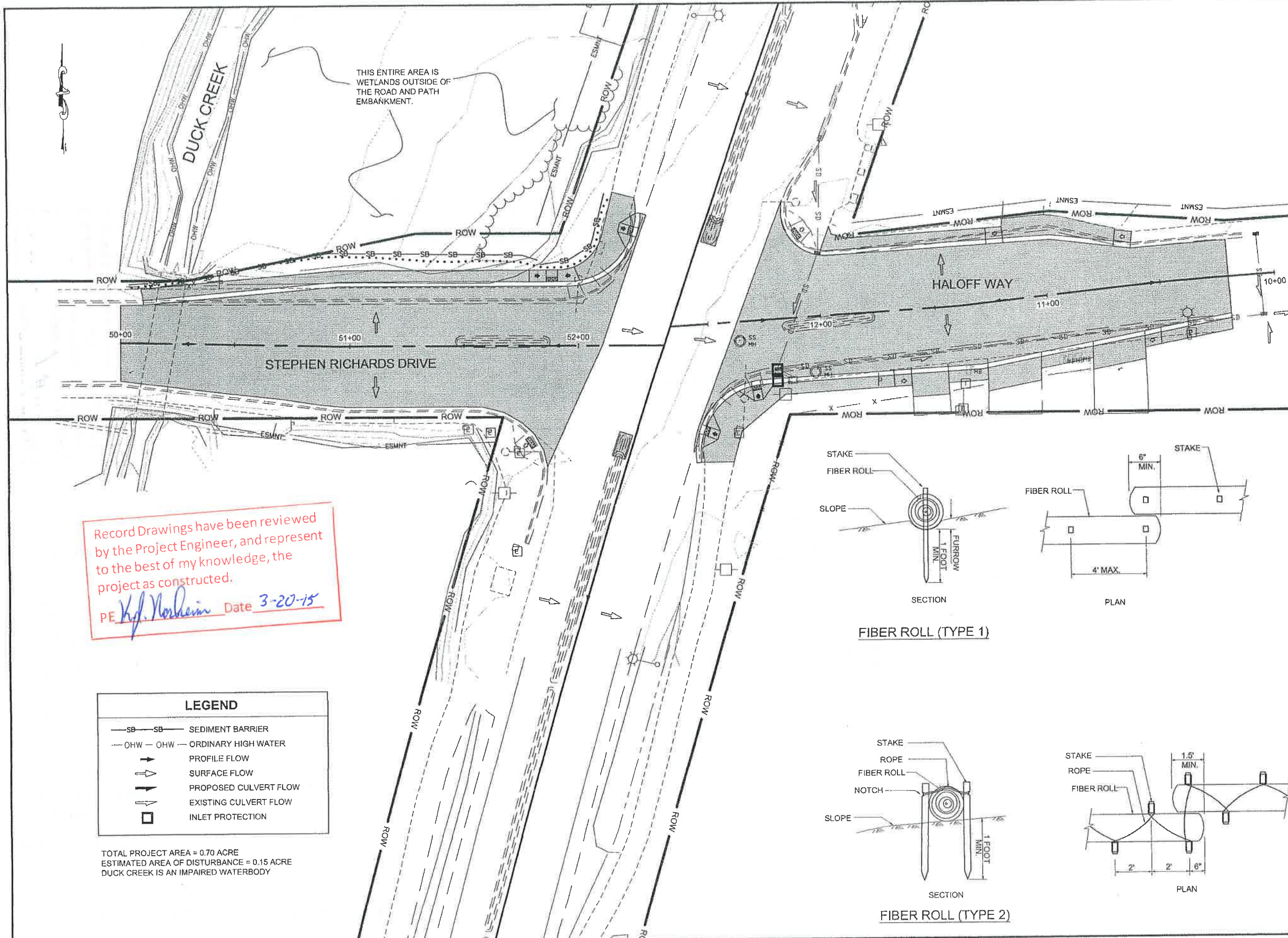
**SIGNING AND STRIPING**

PROJECT DESIGNATION  
**68740 ~ HHE-0966(26)**

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H1	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

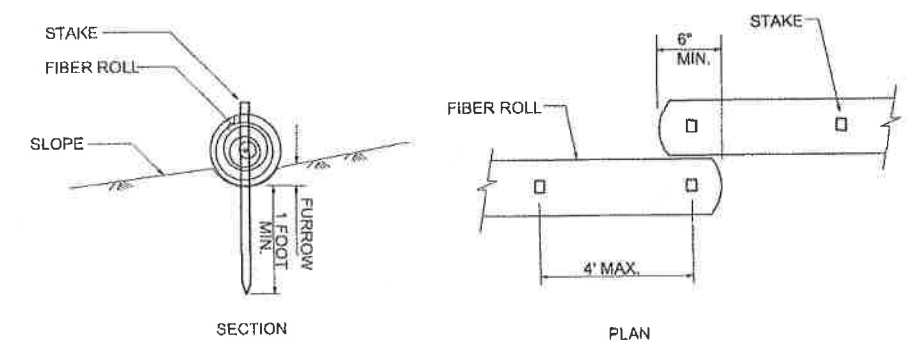
No.	DATE	DESCRIPTION



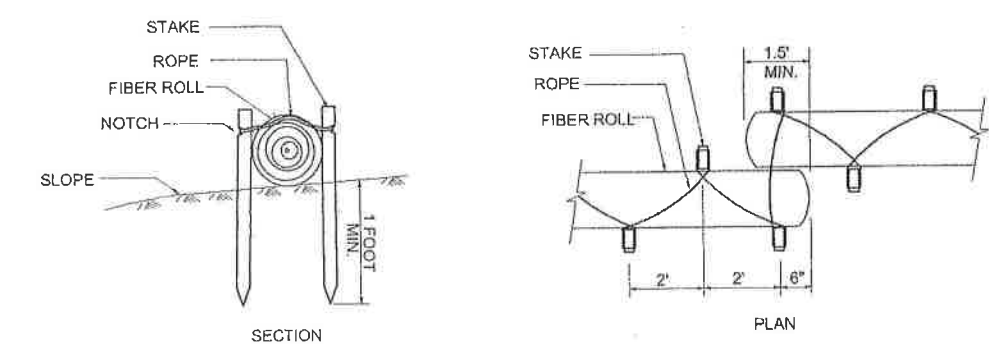
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *K. Vorheim* Date 3-20-15

LEGEND	
—SB—SB—	SEDIMENT BARRIER
—OHW—OHW—	ORDINARY HIGH WATER
→	PROFILE FLOW
⇨	SURFACE FLOW
⇩	PROPOSED CULVERT FLOW
⇨	EXISTING CULVERT FLOW
□	INLET PROTECTION

TOTAL PROJECT AREA = 0.70 ACRE  
ESTIMATED AREA OF DISTURBANCE = 0.15 ACRE  
DUCK CREEK IS AN IMPAIRED WATERBODY



FIBER ROLL (TYPE 1)



FIBER ROLL (TYPE 2)

**PLAN LEGEND**

CHECKED BY: C. HOWARD



DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #X68740

**ESCP**

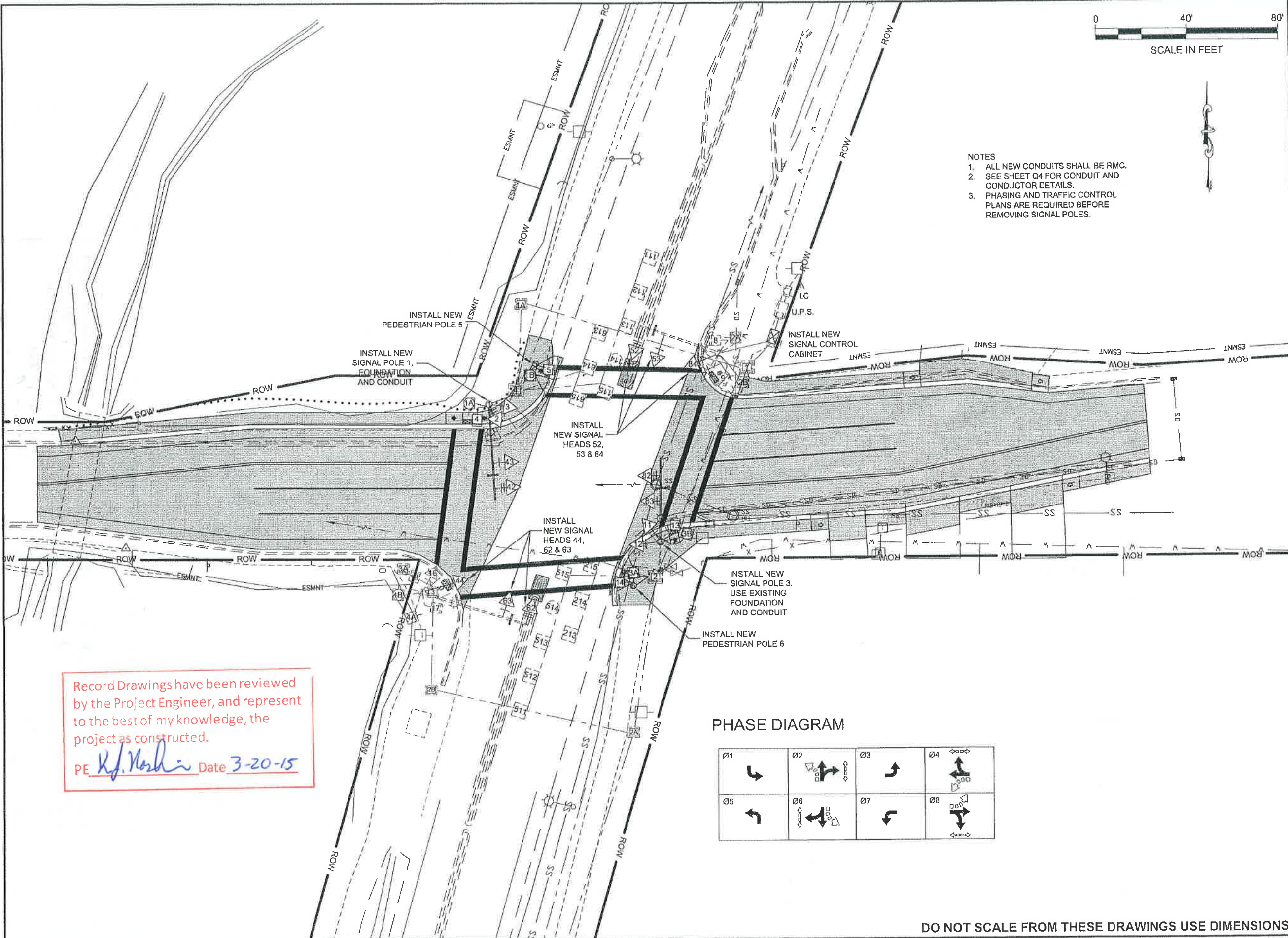
PROJECT DESIGNATION

68740 ~ HHE-0966(26)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
P1	27

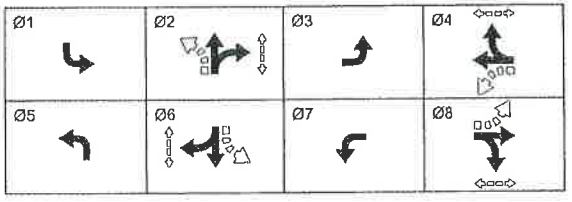




- NOTES
1. ALL NEW CONDUITS SHALL BE RMC.
  2. SEE SHEET Q4 FOR CONDUIT AND CONDUCTOR DETAILS.
  3. PHASING AND TRAFFIC CONTROL PLANS ARE REQUIRED BEFORE REMOVING SIGNAL POLES.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
 PE *K.J. Nash* Date 3-20-15

PHASE DIAGRAM



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:Q:\UNU\68740\PLANS\TQ2 - PROPOSED.DWG

WEAVER, JON M (DOT)  
TAB: Q2

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: C. HOWARD

DESIGNED BY: D. EPSTEIN  
 DRAWN BY: J. WEAVER

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
 SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
 SAFETY & CAPACITY IMPROVEMENTS  
 PROJECT #68740

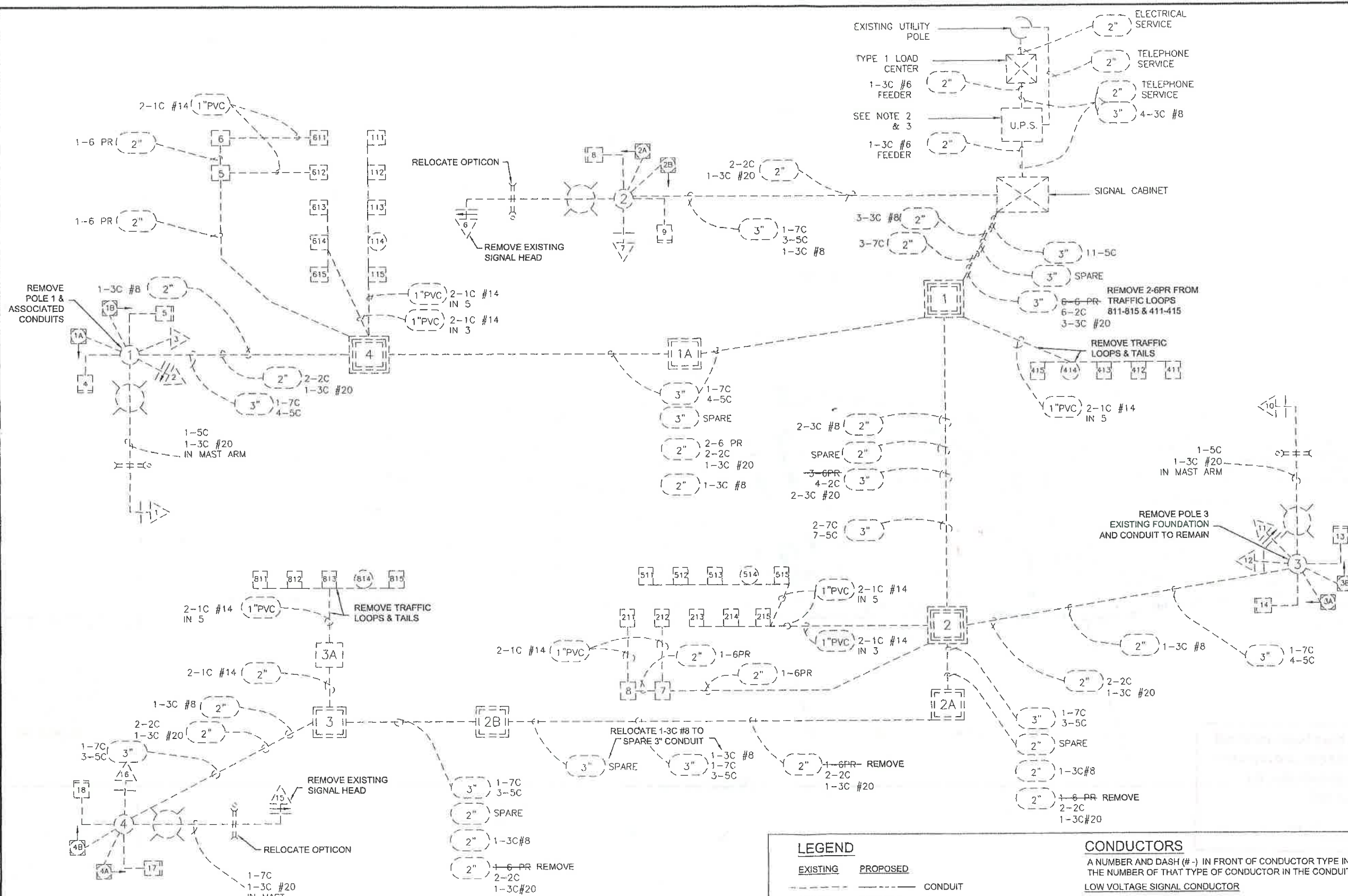
PROPOSED SIGNAL PLAN

PROJECT DESIGNATION  
 68740 ~ HHE-0966(26)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
Q2	27

No.	DATE	DESCRIPTION

All drawings have been reviewed  
 by the Project Engineer, and represent  
 to the best of my knowledge, the  
 project as constructed.  
 PE *K.J. Vahli* Date 3-20-15



**NOTES**

- A #8 TYPE XHHW-2 INSULATED GREEN GROUND CONDUCTOR SHALL BE INSTALLED IN ALL NEW CONDUIT AND ATTACHED TO ALL NEW POLES, CONDUIT AND BUSHINGS, ETC.
- STREET LIGHTING CONDUCTOR DOES NOT ENTER THE CONTROLLER CABINET.
- EXISTING 7-CONDUCTOR CABLES IN POLES 2 AND 4 CURRENTLY POWER 5-SECTION SIGNAL HEADS. THESE CONDUCTORS MAY BE RE-USED TO POWER THE NEW 4-SECTION SIGNAL HEADS
- INSTALL WAVETRONIX SMARTSENSORS IN LOCATION PER MANUFACTURER'S RECOMMENDATION.
- ALL CONDUIT SHALL BE RMC UNLESS OTHERWISE NOTED.
- SEE PROJECT 67623 MENDENHALL LOOP ROAD / STEPHEN RICHARDS DRIVE / HALOFF WAY RECONSTRUCTION & SIGNALIZATION FOR ORIGINAL CONSTRUCTION.
- FIELD VERIFY EXISTING CONDUITS & CONDUCTORS MATCH PLANS BEFORE BEGINNING WORK.

**LEGEND**

EXISTING	PROPOSED	DESCRIPTION
		CONDUIT
		CONDUIT SIZE
		CONDUCTORS IN CONDUIT
		TRAFFIC LOOP
		OPTICOM™ DETECTOR
		WAVETRONIX SMARTSENSOR

**CONDUCTORS**

A NUMBER AND DASH (#-) IN FRONT OF CONDUCTOR TYPE INDICATES THE NUMBER OF THAT TYPE OF CONDUCTOR IN THE CONDUIT.

**LOW VOLTAGE SIGNAL CONDUCTOR**

1C #14 LOOP WIRES  
 6PR MULTI-LOOP LEAD-IN  
 3C #20 PROPRIETARY OPTICOM™ CABLE

**LIGHTING AND POWER CONDUCTOR**

3C #8 LIGHTING POWER

**PLAN LEGEND**

CHECKED BY: C. HOWARD



DESIGNED BY: D. EPSTEIN

DRAWN BY: J. WEAVER

STATE OF ALASKA  
 DEPARTMENT OF TRANSPORTATION  
 & PUBLIC FACILITIES  
 SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
 SAFETY AND CAPACITY  
 IMPROVEMENTS  
 PROJECT #68740

**EXISTING WIRING SCHEMATIC**

PROJECT DESIGNATION

68740 ~ HHE-0966(26)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
Q3	27

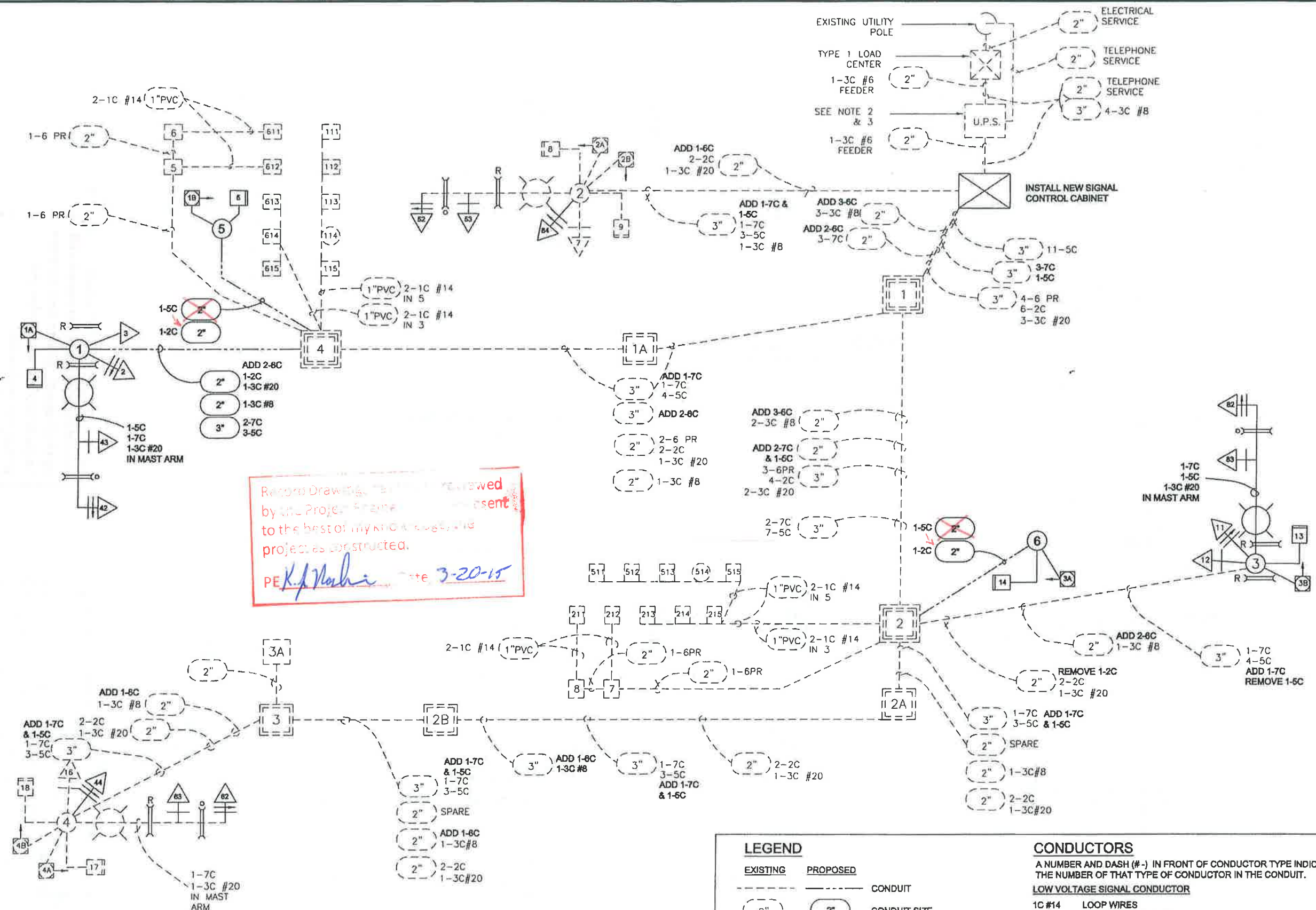
STEVENS, DAVID A (DOT)  
TAB: Q4

ADDENDUM NUMBER  
1

ATTACHMENT NUMBER  
2

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	08-23-2013	ADD CABLES



Record Drawing. Reviewed by the Project Engineer to the best of my knowledge and project as constructed.  
PE *K. J. Nashi* Date 3-20-15

**PLAN LEGEND**

CHECKED BY: C. HOWARD



DESIGNED BY: D. EPSTEIN

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY AND CAPACITY  
IMPROVEMENTS  
PROJECT #68740

**PROPOSED WIRING SCHEMATIC**

PROJECT DESIGNATION  
**68740 ~ HHE-0966(26)**

STATE	YEAR
<b>ALASKA</b>	<b>2013</b>

SHEET NUMBER	TOTAL SHEETS
<b>Q4</b>	<b>27</b>

**LEGEND**

EXISTING	PROPOSED	DESCRIPTION
---	---	CONDUIT
2"	2"	CONDUIT SIZE
1-7C	ADD 2-7C	CONDUCTORS IN CONDUIT
711	711	TRAFFIC LOOP
○=○	○=○	OPTICOM™ DETECTOR
	○=○	WAVETRONIX SMARTSENSOR

**CONDUCTORS**

A NUMBER AND DASH (#-) IN FRONT OF CONDUCTOR TYPE INDICATES THE NUMBER OF THAT TYPE OF CONDUCTOR IN THE CONDUIT.

**LOW VOLTAGE SIGNAL CONDUCTOR**

1C #14 LOOP WIRES  
8PR MULTI-LOOP LEAD-IN  
3C #20 PROPRIETARY OPTICOM™ CABLE  
6C PROPRIETARY WAVETRONIX™ CABLE

**LIGHTING AND POWER CONDUCTOR**

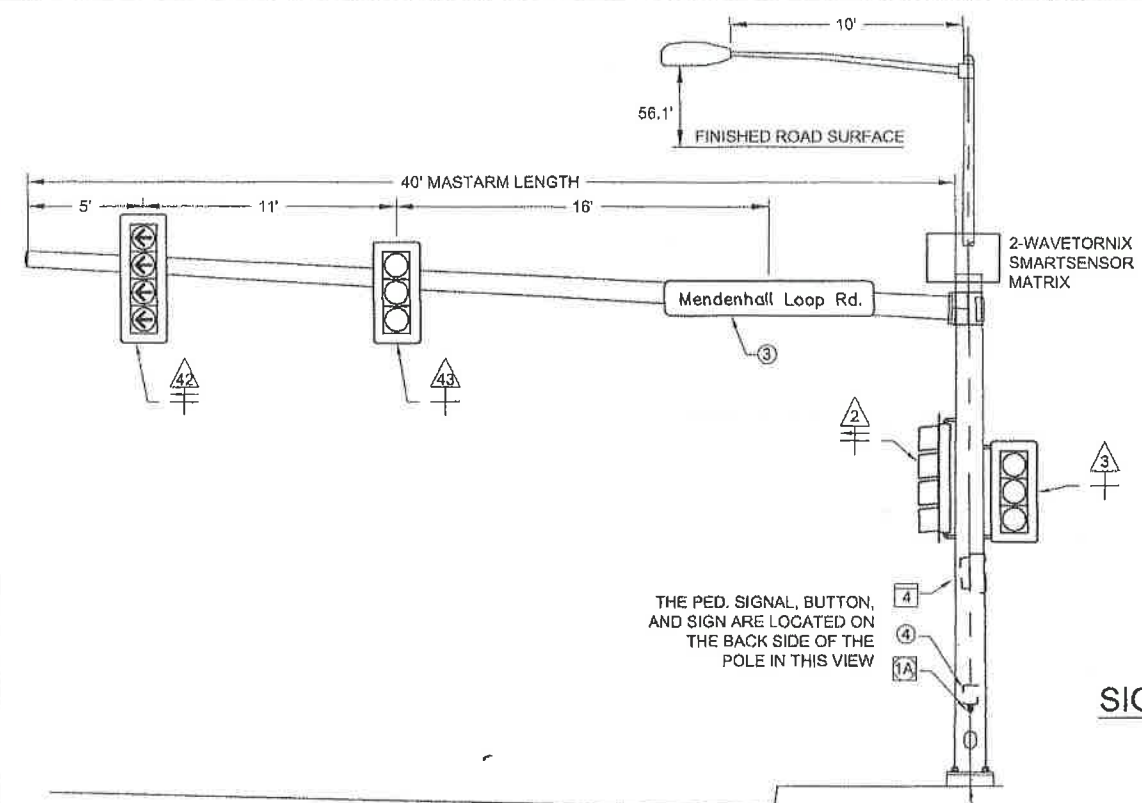
3C #8 LIGHTING POWER

**NOTES**

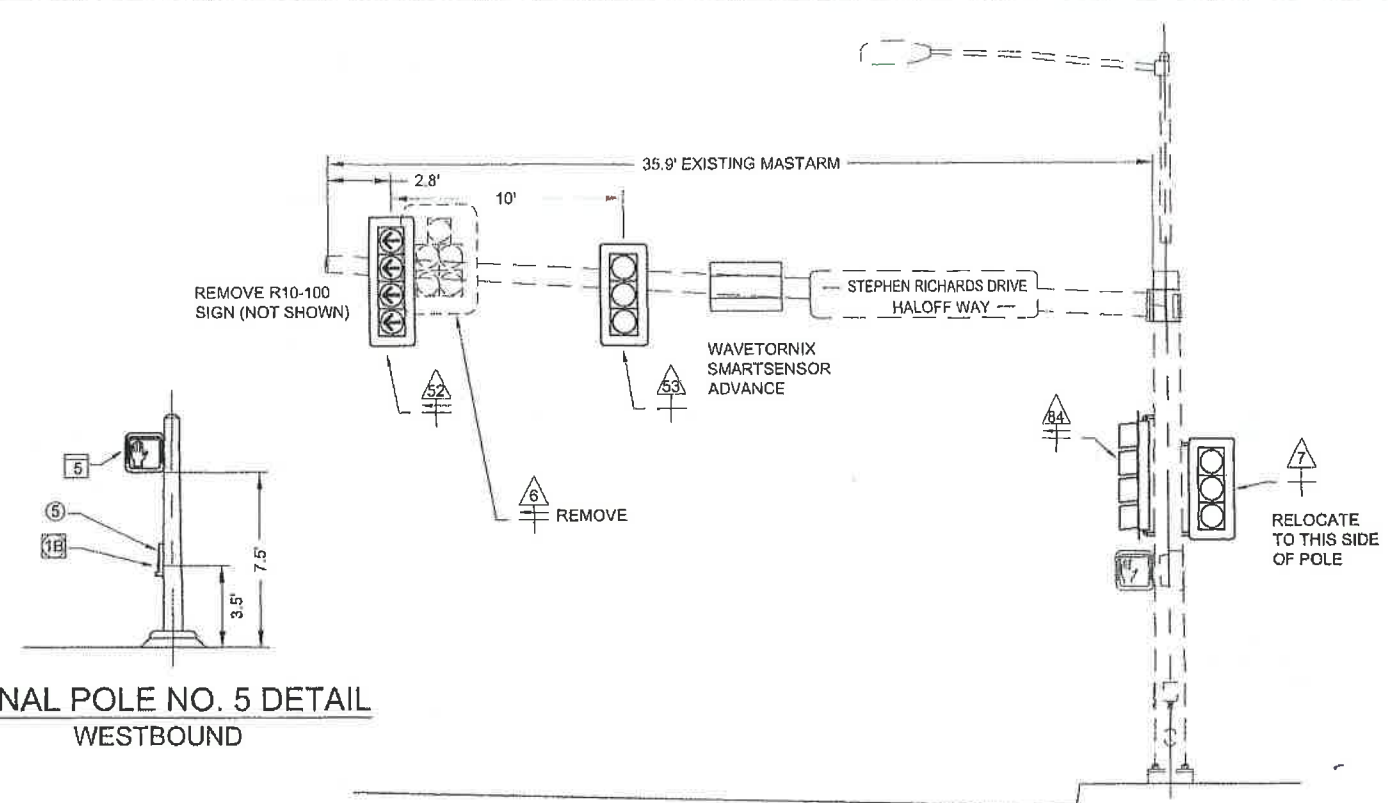
- A #8 TYPE XHHW-2 INSULATED GREEN GROUND CONDUCTOR SHALL BE INSTALLED IN ALL NEW CONDUIT AND ATTACHED TO ALL NEW POLES, CONDUIT AND BUSHINGS, ETC.
- STREET LIGHTING CONDUCTOR DOES NOT ENTER THE CONTROLLER CABINET.
- EXISTING 7-CONDUCTOR CABLES IN POLES 2 AND 4 CURRENTLY POWER 6-SECTION SIGNAL HEADS. THESE CONDUCTORS MAY BE RE-USED TO POWER THE NEW 4-SECTION SIGNAL HEADS
- INSTALL WAVETRONIX SMARTSENSORS IN LOCATION PER MANUFACTURER'S RECOMMENDATION.
- ALL CONDUIT SHALL BE RMC UNLESS OTHERWISE NOTED.
- SEE PROJECT 67623 MENDENHALL LOOP ROAD / STEPHEN RICHARDS DRIVE / HALOFF WAY RECONSTRUCTION & SIGNALIZATION FOR ORIGINAL CONSTRUCTION.
- FIELD VERIFY EXISTING CONDUITS & CONDUCTORS MATCH PLANS BEFORE BEGINNING WORK.

No.	DATE	DESCRIPTION

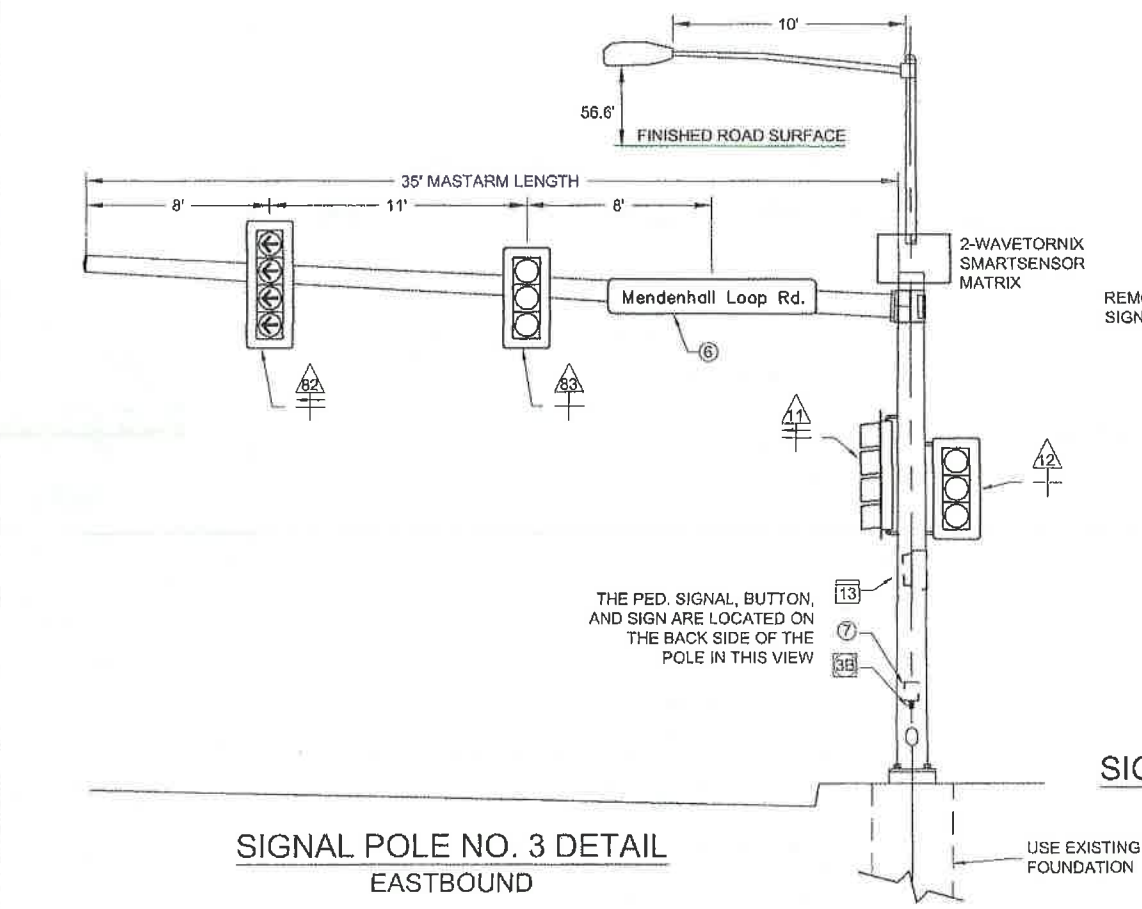
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *K.J. Vandemir* Date 3-20-15



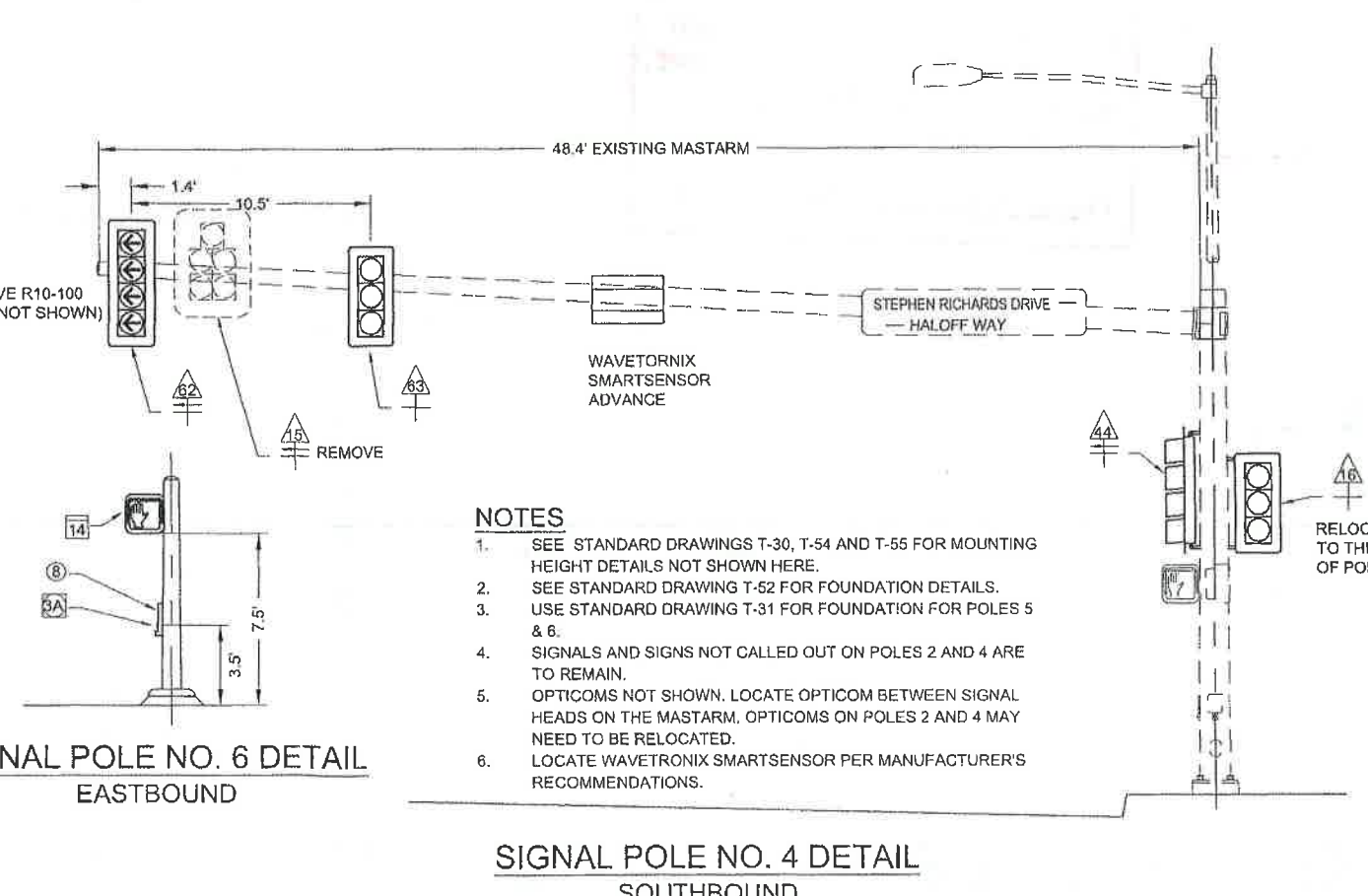
**SIGNAL POLE NO. 1 DETAIL  
WESTBOUND**



**SIGNAL POLE NO. 2 DETAIL  
NORTHBOUND**



**SIGNAL POLE NO. 3 DETAIL  
EASTBOUND**



**SIGNAL POLE NO. 4 DETAIL  
SOUTHBOUND**

- NOTES**
- SEE STANDARD DRAWINGS T-30, T-54 AND T-55 FOR MOUNTING HEIGHT DETAILS NOT SHOWN HERE.
  - SEE STANDARD DRAWING T-52 FOR FOUNDATION DETAILS.
  - USE STANDARD DRAWING T-31 FOR FOUNDATION FOR POLES 5 & 6.
  - SIGNALS AND SIGNS NOT CALLED OUT ON POLES 2 AND 4 ARE TO REMAIN.
  - OPTICOMS NOT SHOWN. LOCATE OPTICOM BETWEEN SIGNAL HEADS ON THE MASTARM. OPTICOMS ON POLES 2 AND 4 MAY NEED TO BE RELOCATED.
  - LOCATE WAVETRONIX SMARTSENSOR PER MANUFACTURER'S RECOMMENDATIONS.

**PLAN LEGEND**

CHECKED BY: C. HOWARD



DESIGNED BY: D. EPSTEIN

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

**SIGNAL POLE  
SECTIONS**

PROJECT DESIGNATION  
**68740 ~ HHE-0966(26)**

STATE	YEAR
ALASKA	2013

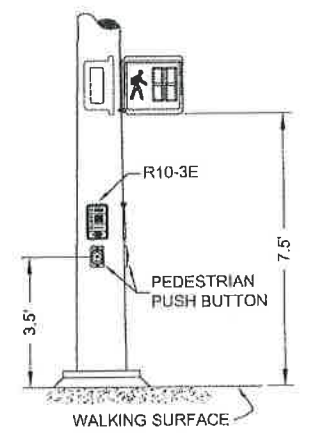
SHEET NUMBER	TOTAL SHEETS
Q5	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

No.	DATE	DESCRIPTION

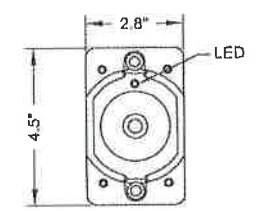
SIGNAL HEAD SUMMARY					
SIGNAL HEAD NO.	POLE	PHASE	INDICATION	FACING	REMARKS
2	1	5	RA-YA-FYA-GA	NB	
3	1	4	R-Y-G	WB	
4	1	6	PED. SYMBOL	NB	
42	1	7	RA-YA-FYA-GA	WB	
43	1	4	R-Y-G	WB	
7	2	2	R-Y-G	NB	EXISTING TO REMAIN
8	2	4	PED. SYMBOL	EB	EXISTING TO REMAIN
9	2	2	PED. SYMBOL	NB	EXISTING TO REMAIN
52	2	5	RA-YA-FYA-GA	NB	
53	2	2	R-Y-G	NB	
84	2	3	RA-YA-FYA-GA	EB	
11	3	1	RA-YA-FYA-GA	SB	
12	3	8	R-Y-G	EB	
13	3	2	PED. SYMBOL	SB	
82	3	3	RA-YA-FYA-GA	EB	
83	3	6	R-Y-G	EB	
16	4	6	R-Y-G	SB	EXISTING TO REMAIN
17	4	8	PED. SYMBOL	WB	EXISTING TO REMAIN
18	4	6	PED. SYMBOL	SB	EXISTING TO REMAIN
44	4	7	RA-YA-FYA-GA	WB	
62	4	1	RA-YA-FYA-GA	SB	
63	4	6	R-Y-G	SB	
5	5	4	PED. SYMBOL	WB	
14	6	8	PED. SYMBOL	EB	

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *K. J. Wehner* Date 3-20-15



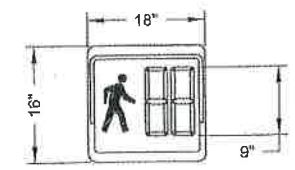
PEDESTRIAN HARDWARE

NOTE:  
ABOVE EACH PEDESTRIAN PUSH BUTTON, INSTALL A R10-3E (LEFT OR RIGHT, AS APPROPRIATE) SIGN

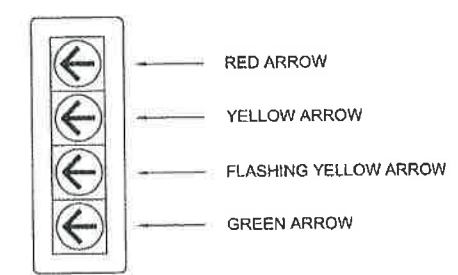


PED PUSH BUTTON

NOTE:  
BEEPER TO SOUND SIMULTANEOUSLY WITH LED FLASH. USE POLARA BULLDOG PUSHBUTTON OR ENGINEER APPROVED EQUAL.



COUNTDOWN PED SIGNAL



4-SECTION ARROW TRAFFIC SIGNAL INDICATION

PLAN LEGEND

CHECKED BY: C. HOWARD



DESIGNED BY: D. EPSTEIN

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

SIGNAL POLE DETAILS

PROJECT DESIGNATION  
68740 ~ HHE-0966(26)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
Q6	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH:Q:\JNU\168740\PLANS\SET1.DWG

WEAVER, JON M (DOT)  
TAB: S1

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

# PHASE 1 & 4 - INTERSECTION FLAGGING DURING SIGNAL OUTAGE

## PLAN LEGEND

CHECKED BY: D. EPSTEIN

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

DESIGNED BY: J. WEAVER  
DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

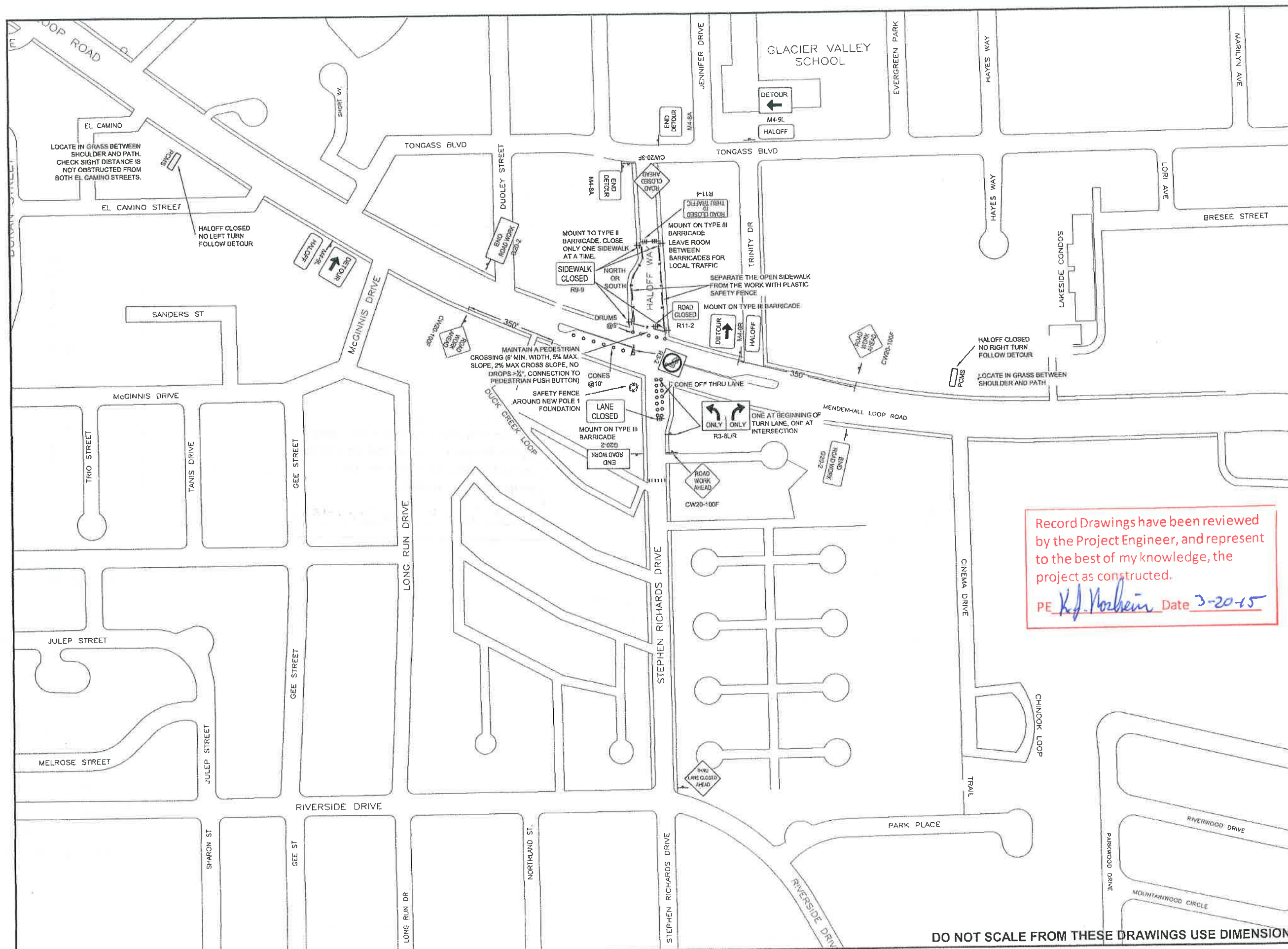
### PHASING/TRAFFIC CONTROL PLAN

PROJECT DESIGNATION  
**68740 ~ HHE-0966(26)**

STATE	YEAR
<b>ALASKA</b>	<b>2013</b>
SHEET NUMBER	TOTAL SHEETS
<b>S1</b>	<b>27</b>

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *J. Weaver* Date *3-20-15*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



PATH: Q:\JNU\68740\PLANSET\1.DWG

WEAVER, JON M (DOT)  
TAB: S2

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

**PHASE 2 - HALOFF  
WHEN NOT ACTIVELY WORKING**

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *K.J. Norheim* Date *3-20-15*

**PLAN LEGEND**

CHECKED BY: D. EPSTEIN	
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012	
DESIGNED BY: J. WEAVER	
DRAWN BY: J. WEAVER	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
JNU-STEPHEN RICHARDS SAFETY & CAPACITY IMPROVEMENTS PROJECT #68740	
<b>PHASING/TRAFFIC CONTROL PLAN</b>	
PROJECT DESIGNATION <b>68740 ~ HHE-0966(26)</b>	
STATE <b>ALASKA</b>	YEAR <b>2013</b>
SHEET NUMBER <b>S2</b>	TOTAL SHEETS <b>27</b>

**DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS**

No.	DATE	DESCRIPTION

PHASE 2 - HALOFF  
WHILE ACTIVELY WORKING

PLAN LEGEND

CHECKED BY: D. EPSTEIN

TCP NOT SEALED IN  
ACCORDANCE WITH ALASKA  
HIGHWAY PRECONSTRUCTION  
MANUAL SECTION 1400.3.5  
DATED JANUARY 30, 2012

DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

PHASING/TRAFFIC  
CONTROL PLAN

PROJECT DESIGNATION

68740 ~ HHE-0966(26)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
S3	27

NOTES:

1. ALL OTHER TRAFFIC CONTROL DEVICES TO BE THE SAME AS SHOWN ON S5. THIS SHEET DEPICTS THE CHANGES TO PEDESTRIANS THAT ARE NECESSARY DURING ACTIVE WORK.
2. CLOSURE OF THE NORTH SIDEWALK SHOWN. CLOSE ONLY ONE SIDEWALK AT A TIME.
3. PHASE THE CONSTRUCTION OF THE NEW CURB RAMP AND THE REMOVAL OF THE OLD CURB RAMP SO THAT PEDESTRIANS ALWAYS HAVE ACCESS TO CROSS MENDENHALL LOOP.
4. MAINTAIN ACCESS TO THE CROSS WALK ACTIVATION BUTTONS.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *[Signature]* Date 3-20-13

SEPARATE THE OPEN SIDEWALK FROM THE WORK WITH PLASTIC SAFETY FENCE

HALOFF WAY

TRINITY DR

SIDEWALK CLOSED  
R9-9

MOUNT ON TYPE II BARRICADE

SIDEWALK CLOSED  
CROSS HERE  
R9-11A(R)

DRUMS @5'

SIDEWALK CLOSED  
CROSS HERE  
R9-11A(L)

MOUNT ON TYPE II BARRICADE

ROAD CLOSED  
R11-2

MOUNT ON TYPE III BARRICADE

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



WEAVER, JON M (DOT)  
TAB: S5

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

**PHASE 3 - STEPHEN RICHARDS  
WHILE ACTIVELY WORKING**

Record Drawings have been reviewed  
by the Project Engineer, and represent  
to the best of my knowledge, the  
project as constructed.  
PE *H. Nishin* Date 3-20-15

**NOTES:**

1. ALL OTHER TRAFFIC CONTROL DEVICES TO BE THE SAME AS SHOWN ON S2. THIS SHEET DEPICTS THE CHANGES TO PEDESTRIANS THAT ARE NECESSARY DURING ACTIVE WORK.
2. PHASE THE CONSTRUCTION OF THE NEW CURB RAMP AND THE REMOVAL OF THE OLD CURB RAMP SO THAT PEDESTRIANS ALWAYS HAVE ACCESS TO CROSS MENDENHALL LOOP.
3. MAINTAIN ACCESS TO THE CROSS WALK ACTIVATION BUTTONS.

**PLAN LEGEND**

CHECKED BY: D. EPSTEIN

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
& PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

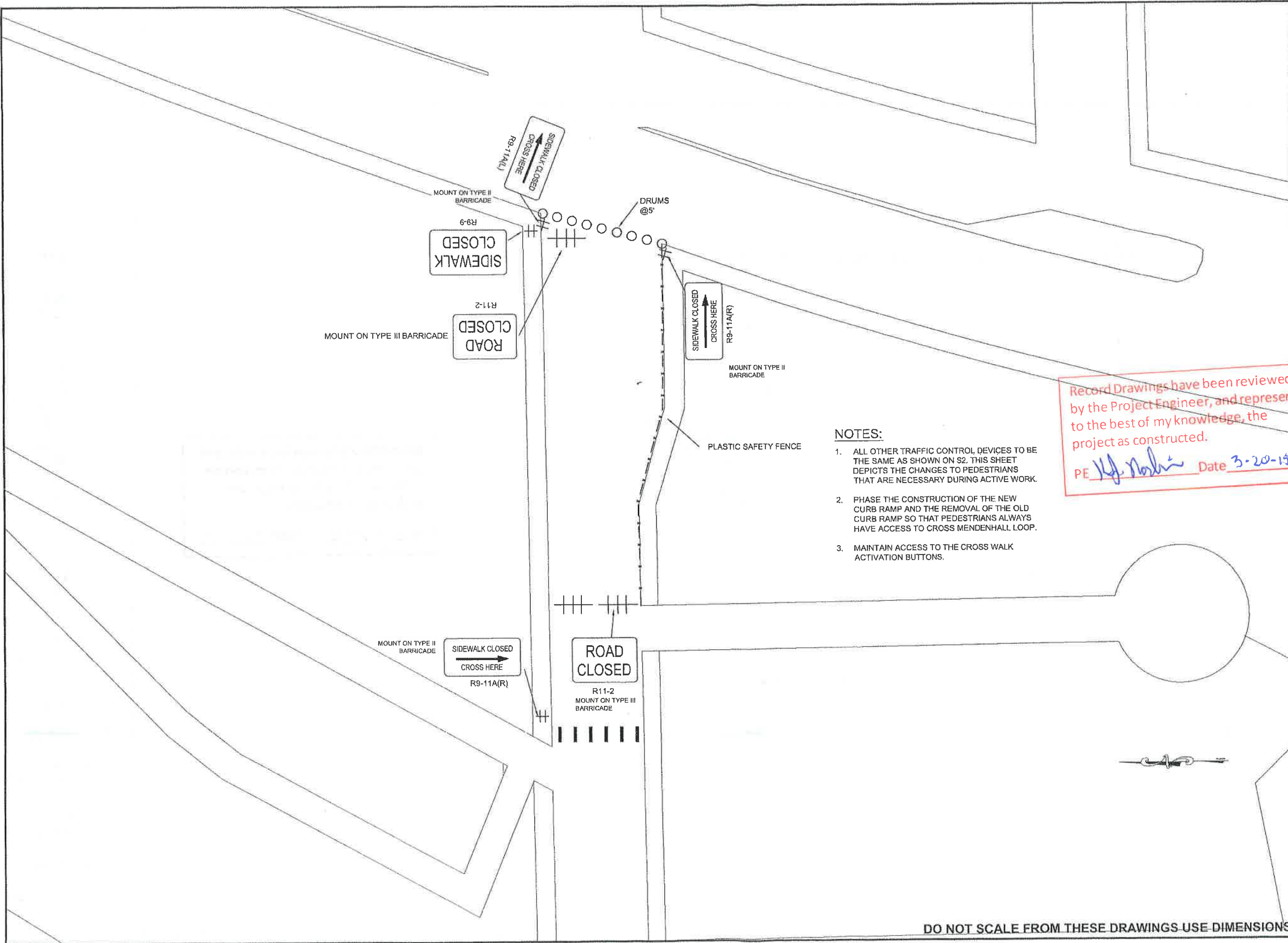
**PHASING/TRAFFIC CONTROL PLAN**

PROJECT DESIGNATION

**68740 ~ HHE-0966(26)**

STATE	YEAR
<b>ALASKA</b>	<b>2013</b>

SHEET NUMBER	TOTAL SHEETS
<b>S5</b>	<b>27</b>



DO NOT SCALE FROM THESE DRAWINGS-USE DIMENSIONS



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *Kj. Norman* Date 3-20-15

PATH: Q:\JNU\68740\PLANSET\1.DWG

WEAVER, JON M (DOT)  
TAB: S6

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No	DATE	DESCRIPTION

**PHASE 3 - STEPHEN RICHARDS  
DETOUR SIGNS ON EGAN DRIVE**

**PLAN LEGEND**

CHECKED BY: D. EPSTEIN

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

DESIGNED BY: J. WEAVER  
DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

**PHASING/TRAFFIC CONTROL PLAN**

PROJECT DESIGNATION	
68740 ~ HHE-0966(26)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
S6	27

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

WEAVER, JON M (DOT)  
TAB: S7

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

# FRED MEYER SIDEWALK MODIFICATIONS

## PLAN LEGEND

CHECKED BY: D. EPSTEIN

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION

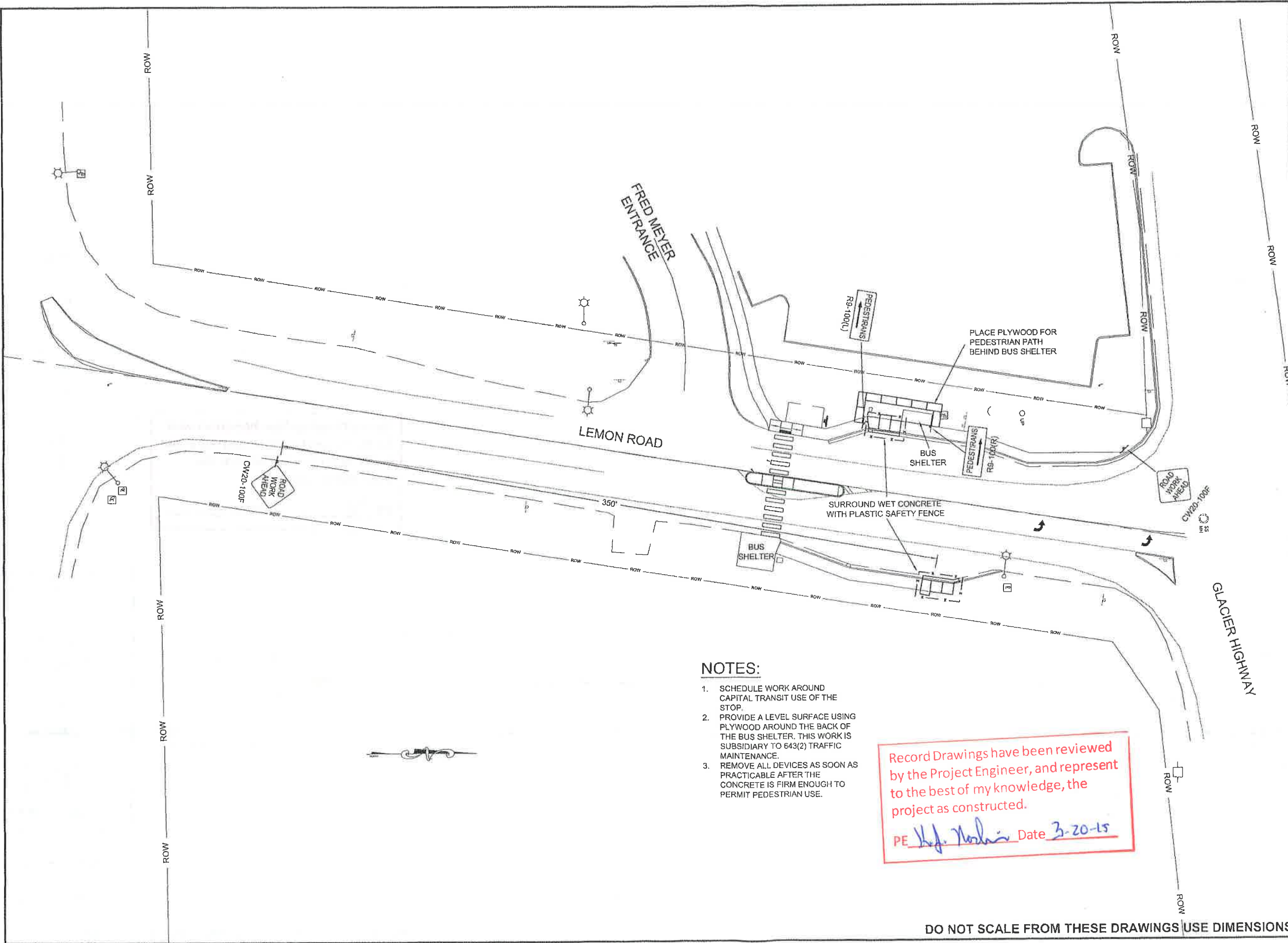
JNU-STEPHEN RICHARDS  
SAFETY & CAPACITY  
IMPROVEMENTS  
PROJECT #68740

## PHASING/TRAFFIC CONTROL PLAN

PROJECT DESIGNATION  
68740 ~ HHE-0966(26)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
S7	27



### NOTES:

1. SCHEDULE WORK AROUND CAPITAL TRANSIT USE OF THE STOP.
2. PROVIDE A LEVEL SURFACE USING PLYWOOD AROUND THE BACK OF THE BUS SHELTER. THIS WORK IS SUBSIDIARY TO 643(2) TRAFFIC MAINTENANCE.
3. REMOVE ALL DEVICES AS SOON AS PRACTICABLE AFTER THE CONCRETE IS FIRM ENOUGH TO PERMIT PEDESTRIAN USE.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *H. Nordin* Date 3-20-15

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WEAVER, JON M (DOT)  
TAB: SB

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

No.	DATE	DESCRIPTION

No.	DATE	DESCRIPTION

No.	DATE	DESCRIPTION

No.	DATE	DESCRIPTION

No.	DATE	DESCRIPTION

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No.	DATE	DESCRIPTION

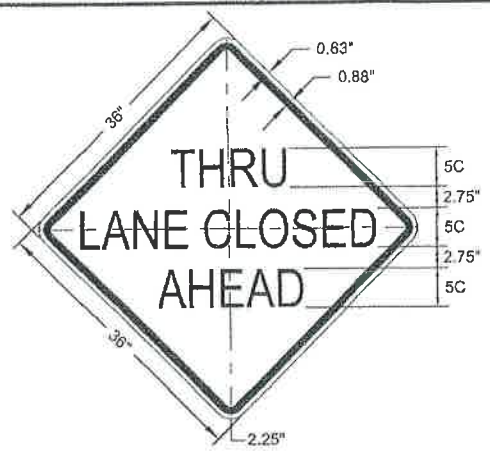
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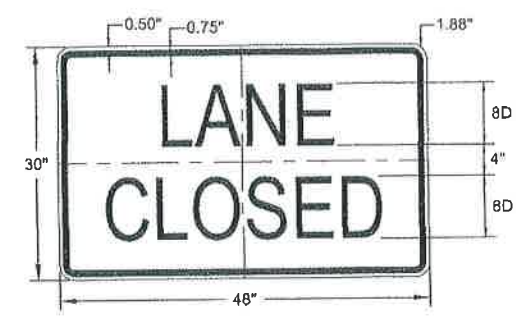
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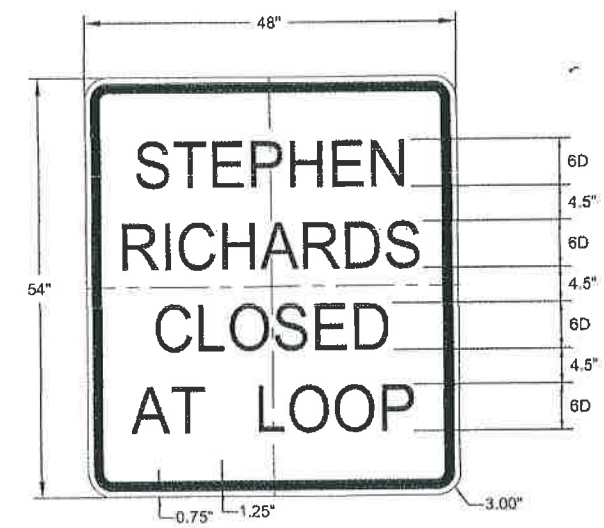
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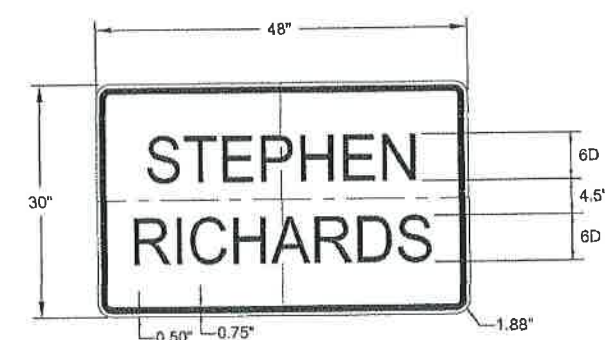
BLACK LETTERING AND BORDER ON ORANGE BACKGROUND.



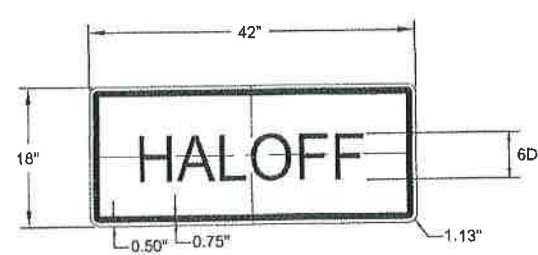
BLACK LETTERING AND BORDER ON WHITE BACKGROUND.



BLACK LETTERING AND BORDER ON ORANGE BACKGROUND.



BLACK LETTERING AND BORDER ON ORANGE BACKGROUND.



BLACK LETTERING AND BORDER ON ORANGE BACKGROUND.

TCP LEGEND

- ⚡ FLAGGING STATION
- DRUM OR CONE (AS NOTED)
- ≡ TYPE III BARRICADE
- # TYPE II BARRICADE
- ↓ SIGN
- ☐ PCMS PORTABLE CHANGEABLE MESSAGE BOARD SIGN

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.  
PE *Kj. Nordin* Date 3-20-15

CONSTRUCTION SIGN SUMMARY			
ASDS CODE	LEGEND	SIZE	# REQ. AT ONCE
CW20-7	FLAGGER (SYMBOL)	36 X 36	4
CW20-3F	ROAD CLOSED AHEAD	36 X 36	1
CW20-100F	ROAD WORK AHEAD	36 X 36	4
CW20-101F	DETOUR AHEAD	36 X 36	1
G20-2	END ROAD WORK	48 X 24	4
M4-8A	END DETOUR	24 X 18	2
M4-9L	DETOUR (LEFT ARROW)	48 X 36	4
M4-9R	DETOUR (RIGHT ARROW)	48 X 36	4
M4-103	DETOUR (VERTICAL ARROW)	48 X 36	1
R3-2	NO LEFT TURN (SYMBOL)	30 X 30	1
R3-8L/R	LEFT/RIGHT ONLY	60 X 36	2
R9-9	SIDEWALK CLOSED	24 X 12	2
R9-11A(L)	SIDEWALK CLOSED CROSS HERE (LEFT ARROW)	24 X 12	1
R9-11A(R)	SIDEWALK CLOSED CROSS HERE (RIGHT ARROW)	24 X 12	2
R9-100(L)	PEDESTRIANS (LEFT ARROW)	24 X 12	1
R9-100(R)	PEDESTRIANS (RIGHT ARROW)	24 X 12	1
R11-2	ROAD CLOSED	48 X 30	2
R11-4	ROAD CLOSED TO THRU TRAFFIC	60 X 30	1
SPECIAL	THRU LANE CLOSED AHEAD	36 X 36	1
SPECIAL	LANE CLOSED	48 X 30	1
SPECIAL	STEPHEN RICHARDS CLOSED AT LOOP	48 X 54	1
SPECIAL	STEPHEN RICHARDS	48 X 30	7
SPECIAL	HALOFF	42 X 18	3

SPECIAL CONSTRUCTION SIGNS

SIGN LETTERING IS DESIGNATED BY SIZE AND FHWA "SERIES 2000" LETTER SERIES. (E.G. "6C" MEANS A LETTER HEIGHT OF 6 INCHES WITH A SERIES C WIDTH).

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PLAN LEGEND

CHECKED BY: D. EPSTEIN

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

DESIGNED BY: J. WEAVER

DRAWN BY: J. WEAVER

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES  
SOUTHEAST REGION

JNU-STEPHEN RICHARDS SAFETY & CAPACITY IMPROVEMENTS PROJECT #68740

PHASING/TRAFFIC CONTROL PLAN

PROJECT DESIGNATION  
68740 ~ HHE-0966(26)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
SB	27

