

AS-BUILT PLANS

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
SOUTHEAST REGION

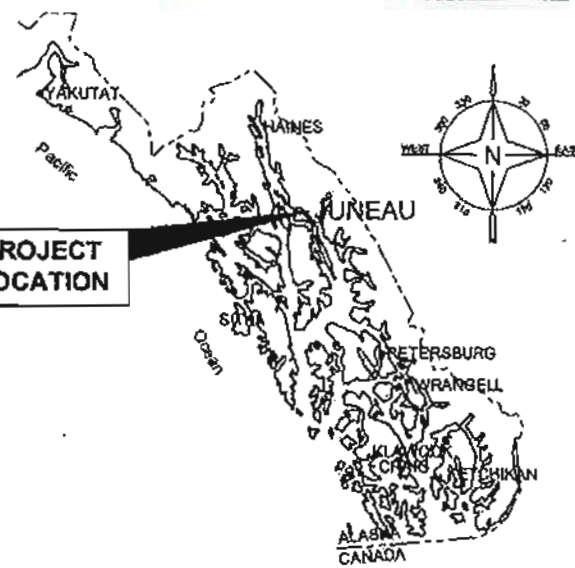
JUNEAU, ALASKA

JNU: EGAN DRIVE ADDITIONAL ILLUMINATION
PROJECT No. 67402\EBL-0932(050)

RECORD DRAWING

THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
By *John L. Smith* Date *02/05/15*

PROJECT LOCATION



SOUTHEAST ALASKA REGION

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 *3/23/15*

DESIGN DESIGNATION

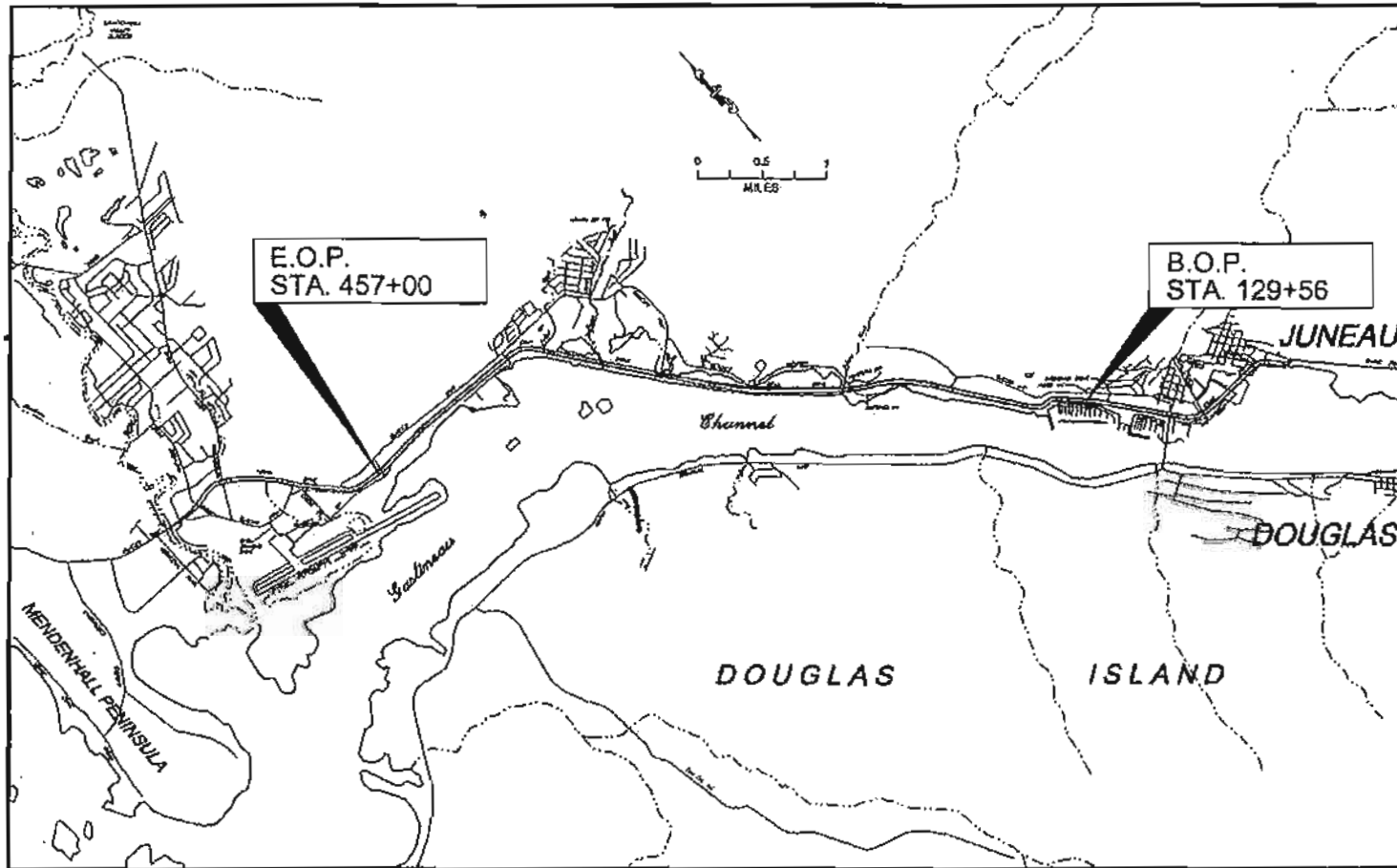
A.D.T. 2014	=	25,690
A.D.T. 2034	=	28,390
D.H.V. 2034	=	3,410
% T	=	11.5
V	=	60 MPH
E.A.L.	=	5,850,000

PROJECT SUMMARY

LENGTH OF PROJECT	=	6.21 MILES
LENGTH OF SECTIONS WITH NO WORK	=	1.50 MILES

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

A-1	L-03.10
C-03.10	L-23.01
C-04.12	L-24.00
G-28.00	L-26.00
	L-30.10



VICINITY MAP

INDEX

SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SHEET LAYOUT PLAN
B1 - B3	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1 - D5	SUMMARY TABLES
H1 - H16	ILLUMINATION PLAN SHEETS
J1 - J8	LIGHT POLE AND J-BOX DETAILS
P1 - P16	ESCP
T1 - T2	CONSTRUCTION TRAFFIC CONTROL

CONTRACTOR: *EVER ELECTRIC*

PROJECT ENGINEER: *KRAIG NORHEIM*

BEGIN DATE:

END DATE:

CDS ROUTE NO. 296000
MILEPOINT 1.517 TO 8.177

PATH: *h:\1353702\Draws\C\Sheets\1353702-A1.dwg*

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

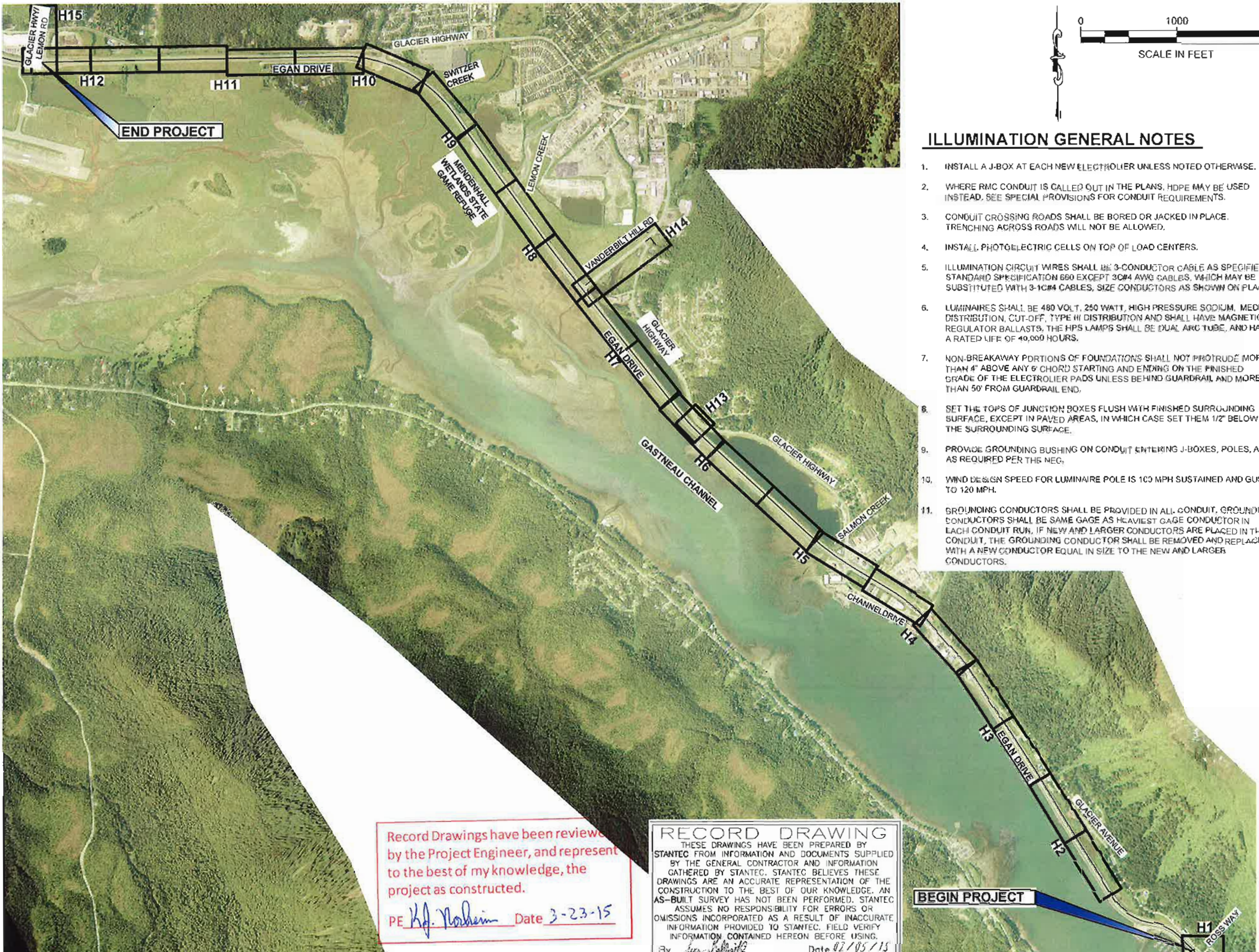


APPROVED: *Chuck Correa* 6/6/13
CHUCK CORREA, P.E.
REGIONAL PRECONSTRUCTION ENGINEER DATE

APPROVED: *Albert H. Clough* 6/6/13
ALBERT H. CLOUGH, CPD
DIRECTOR, S.E. REGION DATE

CERTIFIED TRUE & CORRECT AS BUILT OF ACTUAL FIELD CONDITION:
T. J. N. N. N. 3/20/15
CONSTRUCTION PROJECT MANAGER DATE

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NO.67402\EBL-0932(050)	2013	A1	51



ILLUMINATION GENERAL NOTES

1. INSTALL A J-BOX AT EACH NEW ELECTROLIER UNLESS NOTED OTHERWISE.
2. WHERE RMC CONDUIT IS CALLED OUT IN THE PLANS, HDPE MAY BE USED INSTEAD. SEE SPECIAL PROVISIONS FOR CONDUIT REQUIREMENTS.
3. CONDUIT CROSSING ROADS SHALL BE BORED OR JACKED IN PLACE. TRENCHING ACROSS ROADS WILL NOT BE ALLOWED.
4. INSTALL PHOTOELECTRIC CELLS ON TOP OF LOAD CENTERS.
5. ILLUMINATION CIRCUIT WIRES SHALL BE 3-CONDUCTOR CABLE AS SPECIFIED IN STANDARD SPECIFICATION 660 EXCEPT 3C#4 AWG CABLES, WHICH MAY BE SUBSTITUTED WITH 3-1C#4 CABLES, SIZE CONDUCTORS AS SHOWN ON PLANS.
6. LUMINAIRES SHALL BE 480 VOLT, 250 WATT, HIGH PRESSURE SODIUM, MEDIUM DISTRIBUTION, CUT-OFF, TYPE III DISTRIBUTION AND SHALL HAVE MAGNETIC REGULATOR BALLASTS, THE HPS LAMPS SHALL BE DUAL ARC TUBE, AND HAVE A RATED LIFE OF 40,000 HOURS.
7. NON-BREAKAWAY PORTIONS OF FOUNDATIONS SHALL NOT PROTRUDE MORE THAN 4" ABOVE ANY 6" CHORD STARTING AND ENDING ON THE FINISHED GRADE OF THE ELECTROLIER PADS UNLESS BEHIND GUARDRAIL AND MORE THAN 50' FROM GUARDRAIL END.
8. SET THE TOPS OF JUNCTION BOXES FLUSH WITH FINISHED SURROUNDING SURFACE, EXCEPT IN PAVED AREAS, IN WHICH CASE SET THEM 1/2" BELOW THE SURROUNDING SURFACE.
9. PROVIDE GROUNDING BUSHING ON CONDUIT ENTERING J-BOXES, POLES, AND AS REQUIRED PER THE NEC.
10. WIND DESIGN SPEED FOR LUMINAIRE POLE IS 100 MPH SUSTAINED AND GUSTS TO 120 MPH.
11. GROUNDING CONDUCTORS SHALL BE PROVIDED IN ALL CONDUIT. GROUNDING CONDUCTORS SHALL BE SAME GAGE AS HEAVIEST GAGE CONDUCTOR IN EACH CONDUIT RUN. IF NEW AND LARGER CONDUCTORS ARE PLACED IN THE CONDUIT, THE GROUNDING CONDUCTOR SHALL BE REMOVED AND REPLACED WITH A NEW CONDUCTOR EQUAL IN SIZE TO THE NEW AND LARGER CONDUCTORS.

PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 TAB: A2

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. CALBRATH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

SHEET LAYOUT PLAN

PROJECT DESIGNATION
674021EBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
A2	51

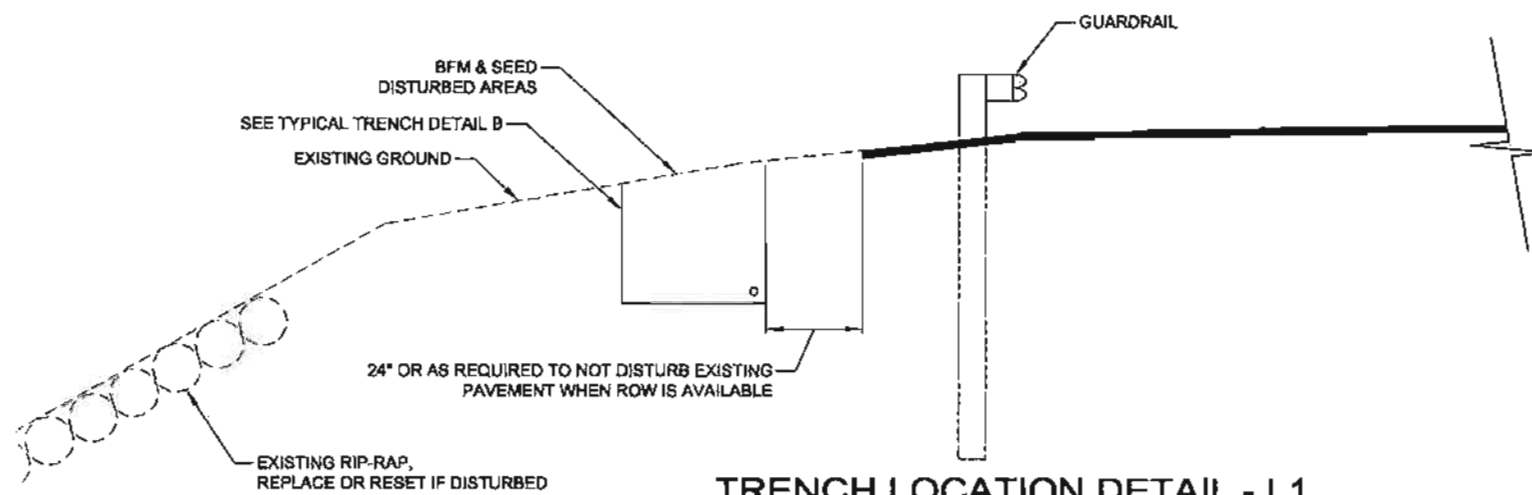
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE *K.J. Noheim* Date *3-23-15*

RECORD DRAWING

THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.

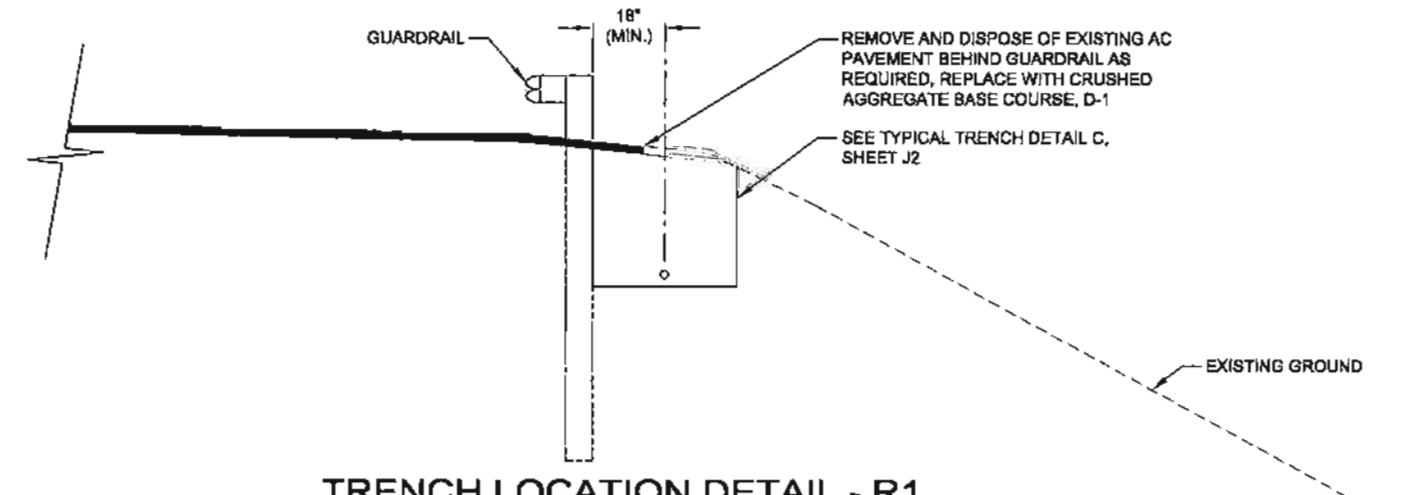
By *Jan Schultz* Date *02/05/15*



TRENCH LOCATION DETAIL - L1

NO SCALE

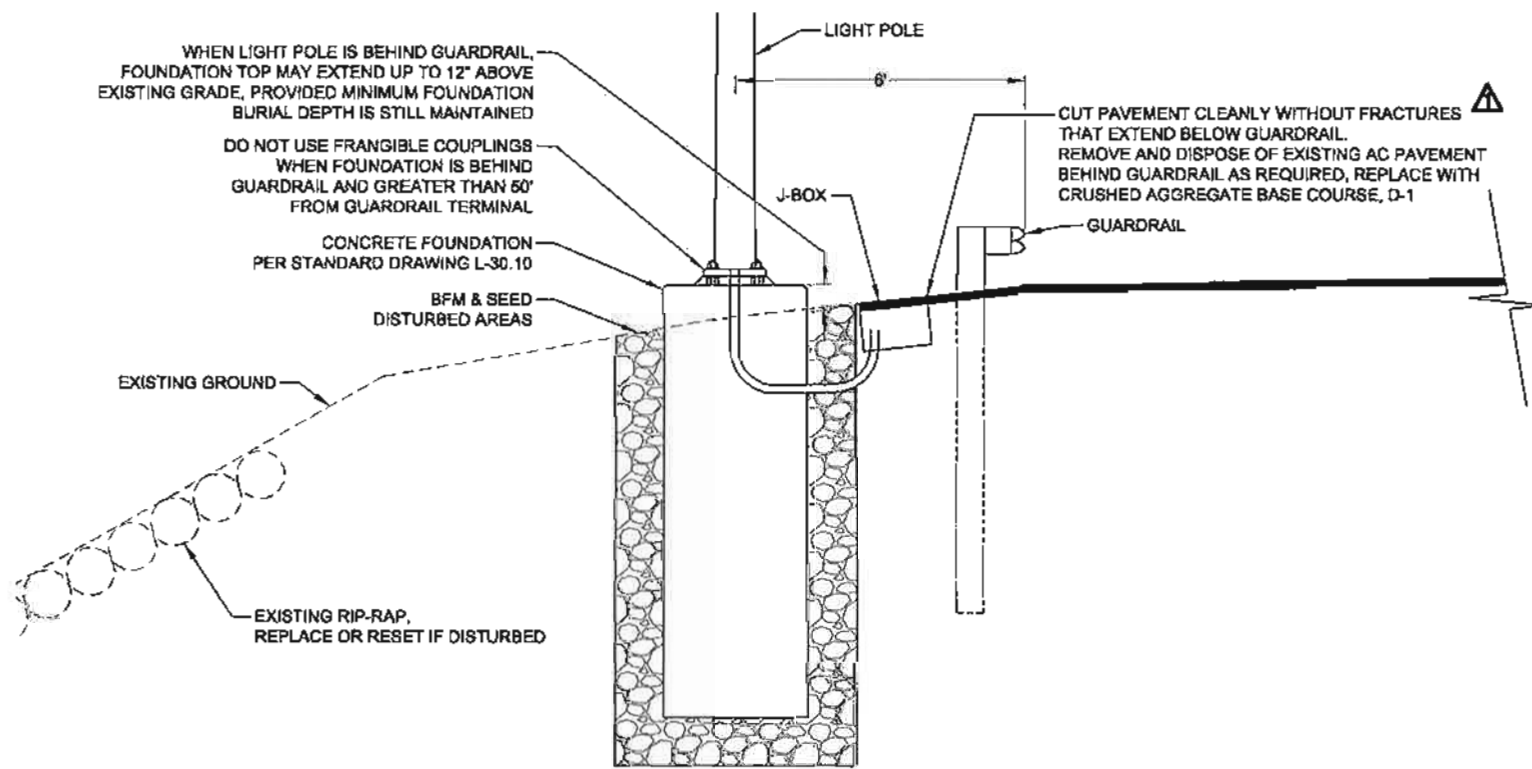
STA. 156+93 TO STA. 199+86
 ⚠ STA. 248+00 TO STA. 362+50



TRENCH LOCATION DETAIL - R1

NO SCALE

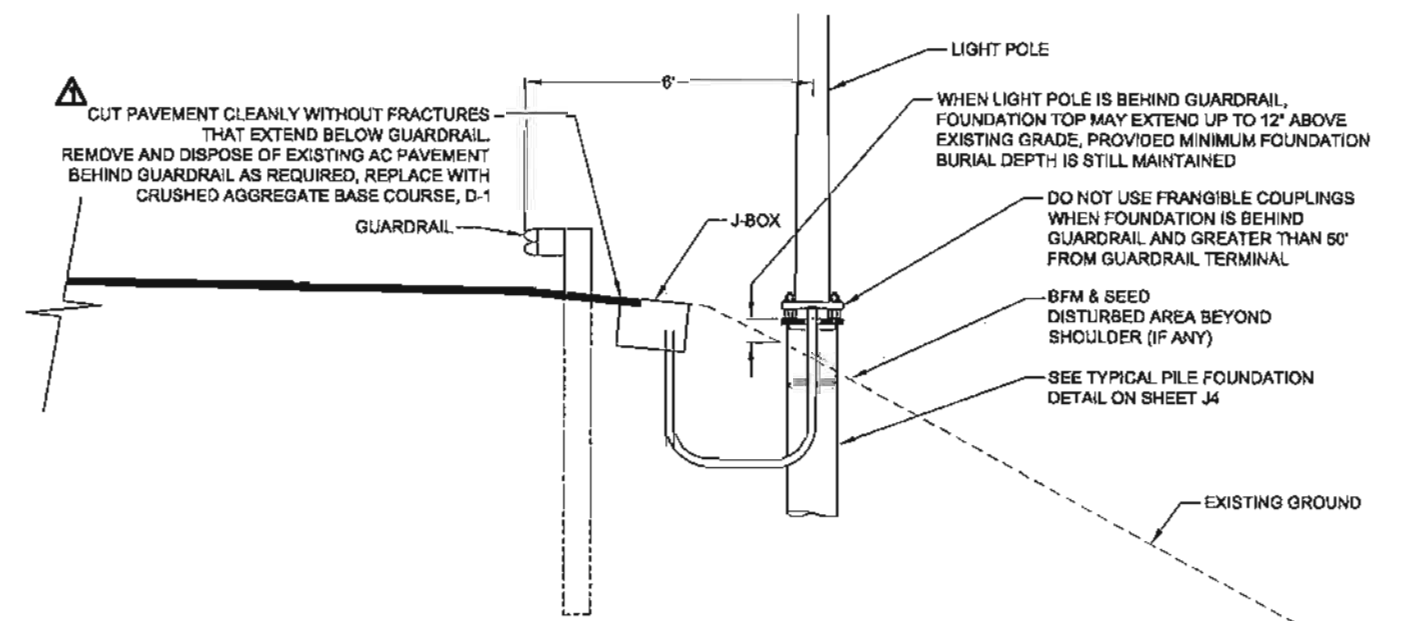
STA. 154+00 TO STA. 190+00
 ⚠ STA. 248+00 TO STA. 361+50



POLE LOCATION DETAIL - L1

NO SCALE

STA. 155+00 TO STA. 180+00
 STA. 248+00 TO STA. 361+00



POLE LOCATION DETAIL - R1

NO SCALE

STA. 155+00 TO STA. 190+00 (RIGHT)
 STA. 181+00 TO STA. 200+00 (LEFT)
 ⚠ STA. 248+00 TO STA. 358+00 (RIGHT)

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3/23/15

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 By *[Signature]* Date 02/05/15

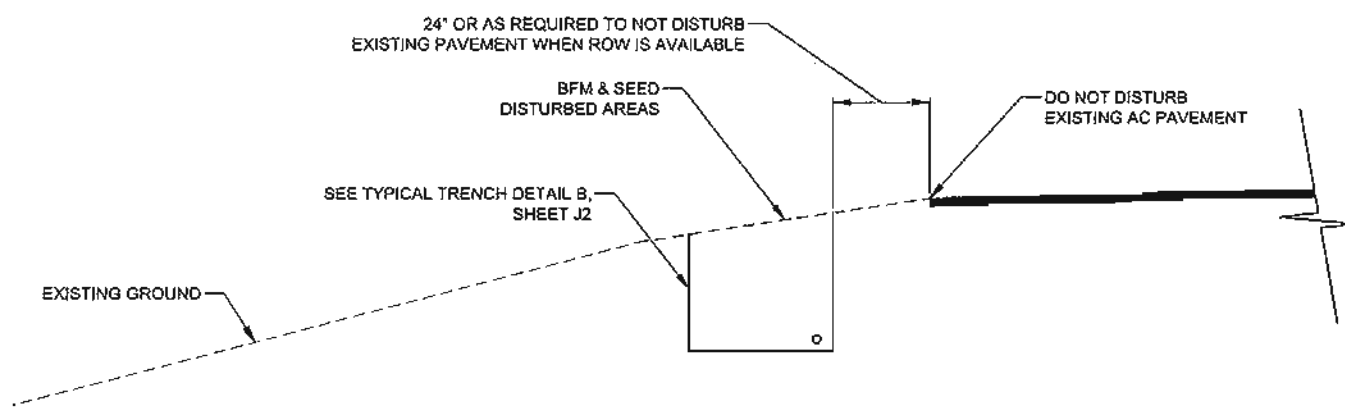
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC UTILITIES
 SOUTH-EAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

TYPICAL SECTIONS

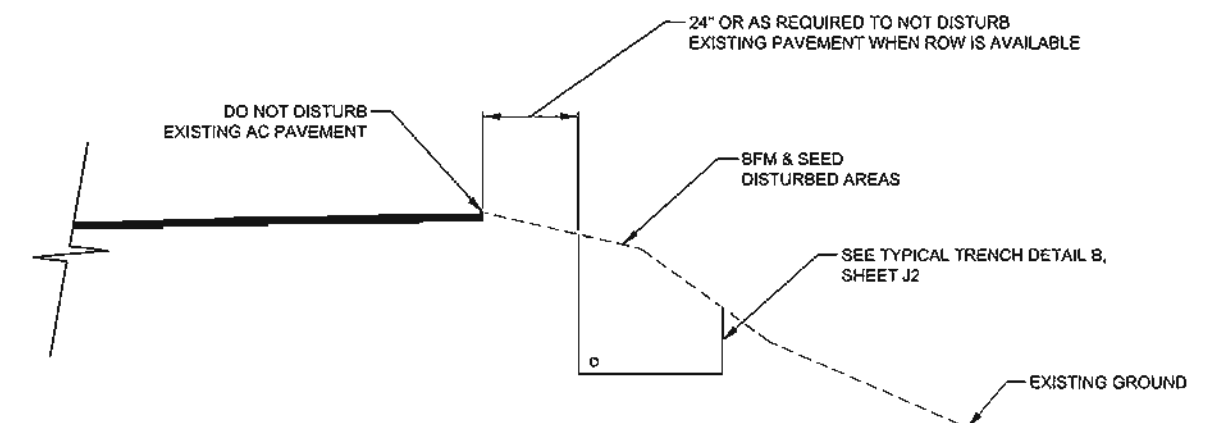
DESIGNED BY: L. GALBRAITH	PROJECT DESIGNATION			YEAR	SHEET NO.	TOTAL SHEETS
DRAWN BY: B. PACDOCK	67402\EBL-0932(050)			2013	B1	51
PARTIAL 153702\DWGS\CISH\EETS\153702-B TYPICALS.DWG	BILL PACDOCK					
TAB: B1	Friday, June 21, 2013 11:53:47 AM					
NO.	DATE	DESCRIPTION				
1	02/05/15	ADJUST RANGES				
2		REVISE				



TRENCH LOCATION DETAIL - L2

NO SCALE

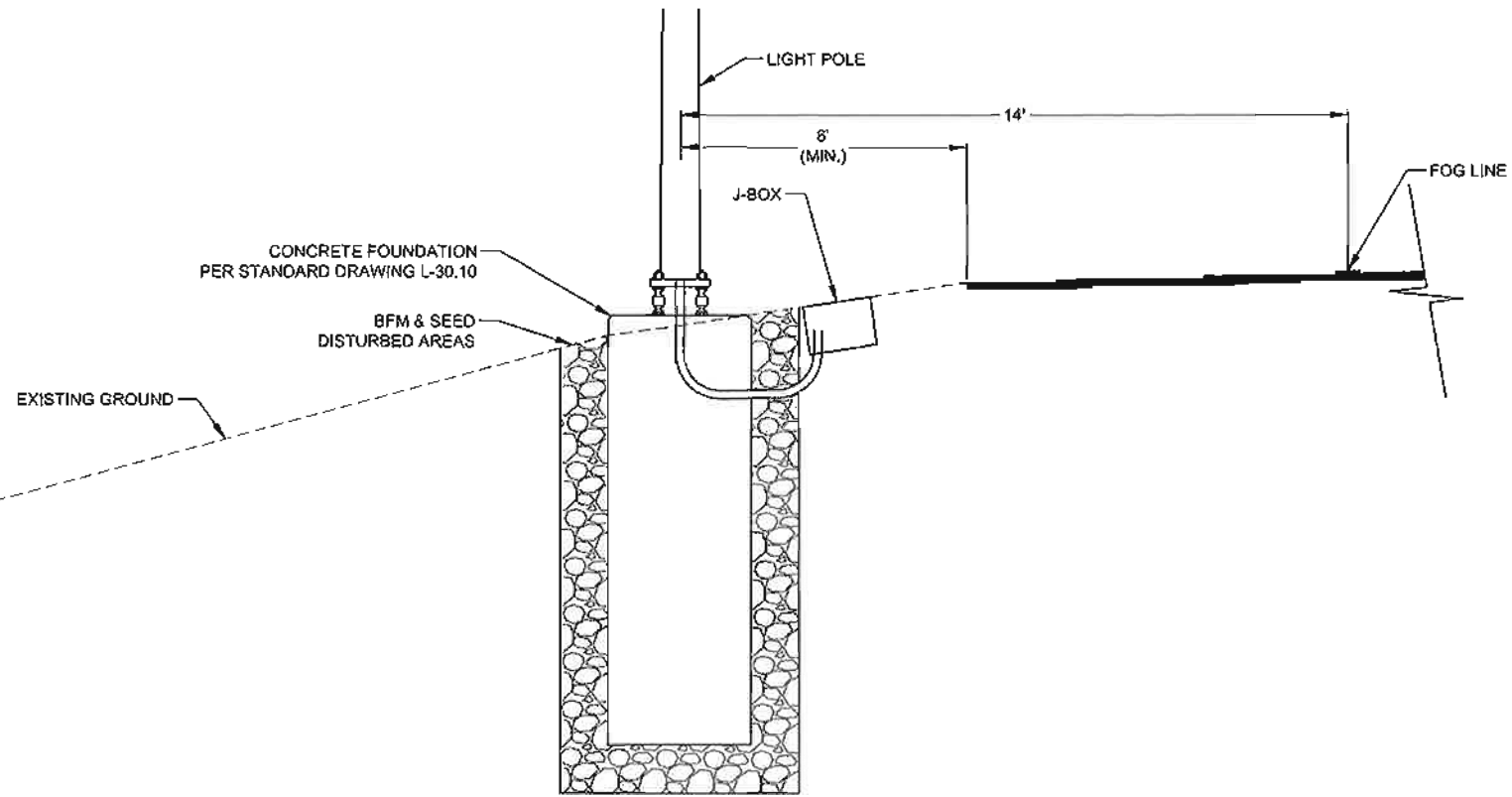
▲ STA. 414+00 TO STA. 438+00



TRENCH LOCATION DETAIL - R2

NO SCALE

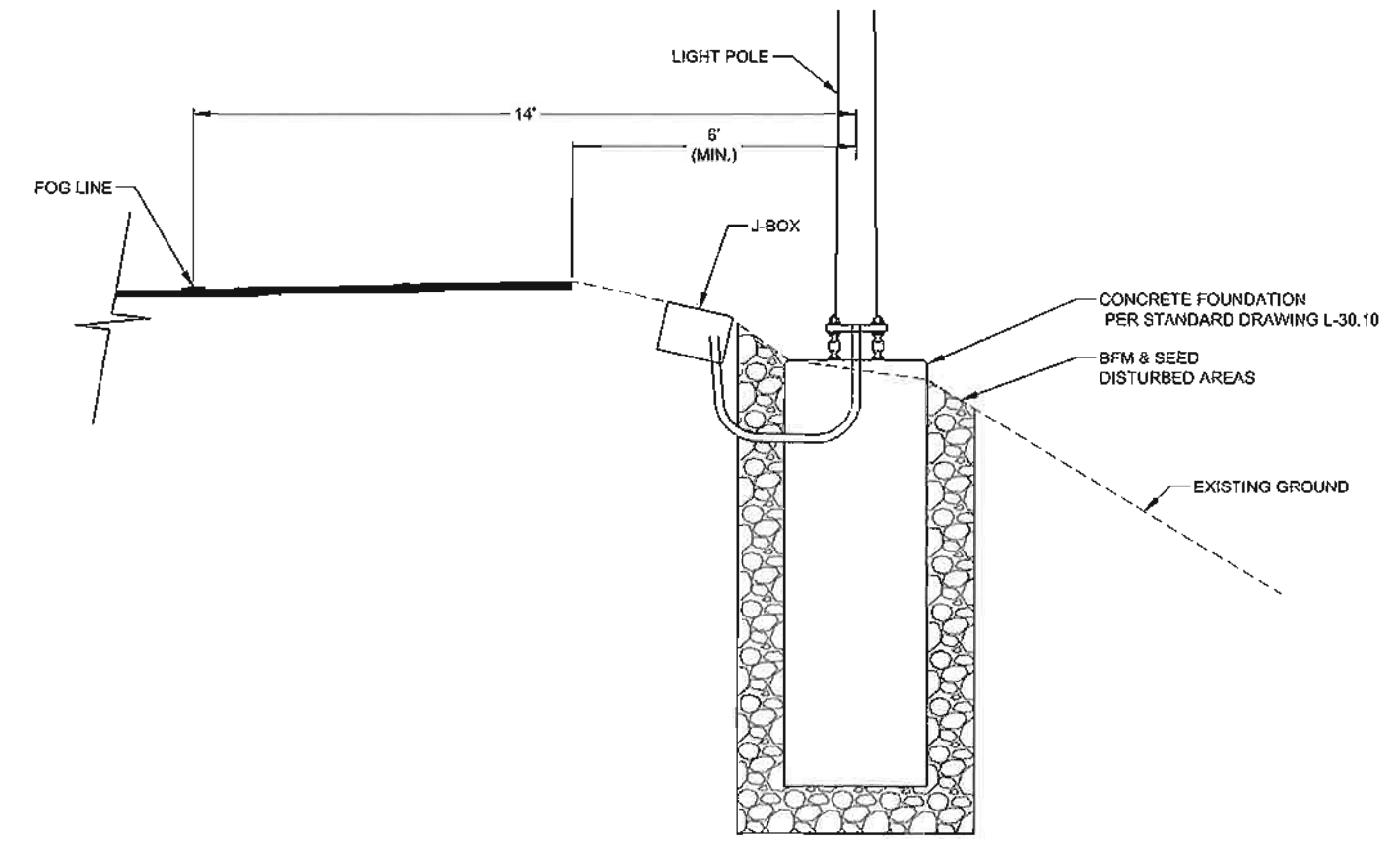
▲ STA. 225+50 TO STA. 236+00
 STA. 408+00 TO STA. 456+00
 GLACIER HIGHWAY/LEMON ROAD
 TWIN LAKES DRIVE



POLE LOCATION DETAIL - L2

NO SCALE

▲ STA. 414+00 TO STA. 438+00



POLE LOCATION DETAIL - R2

NO SCALE

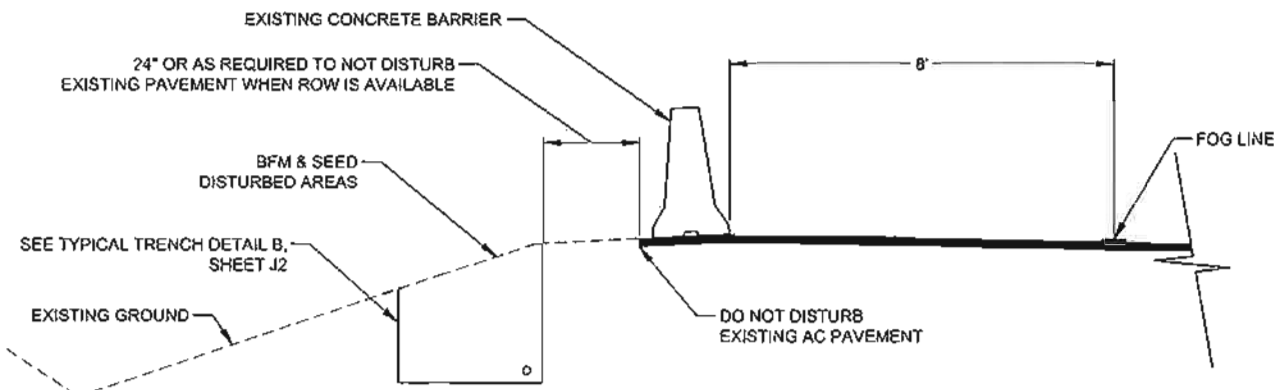
▲ STA. 227+00 TO STA. 236+00
 STA. 408+00 TO STA. 449+00

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *R.J. Parker* Date 3-23-15

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 By *Jan Colwell* Date 02/05/15

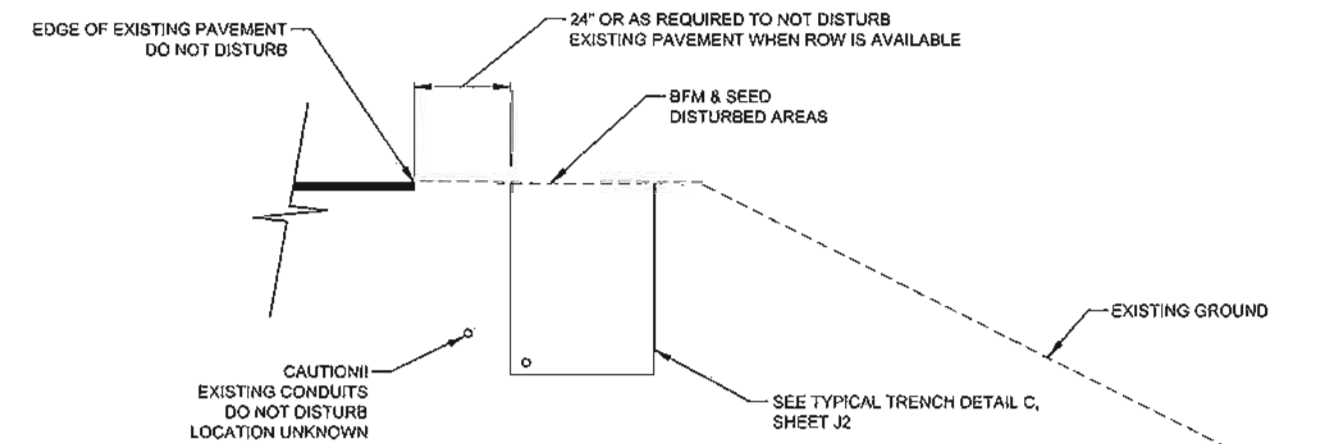
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: N. LEIGH		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION	
		JNU: EGAN DRIVE ADDITIONAL ILLUMINATION	
DESIGNED BY: L. GALBRAITH		TYPICAL SECTIONS	
DRAWN BY: B. PADDOCK			
PATH: I:\1353702\DWGS\CS\SHEETS\1353702-8 TYPICALS.DWG			
TAB: 82		Friday, June 07, 2013 8:33:13 AM WILL WEBB	
REVISIONS		PROJECT DESIGNATION	
NO.	DATE	DESCRIPTION	YEAR
1	07/13	ADJUST STA. RANGES	2013
		67402\EBL-0932(050)	SHEET NO. B2
			TOTAL SHEETS 51



TRENCH LOCATION DETAIL - L3

NO SCALE
 ⚠ STA. 408+00 TO STA. 414+00



TRENCH LOCATION DETAIL - R3

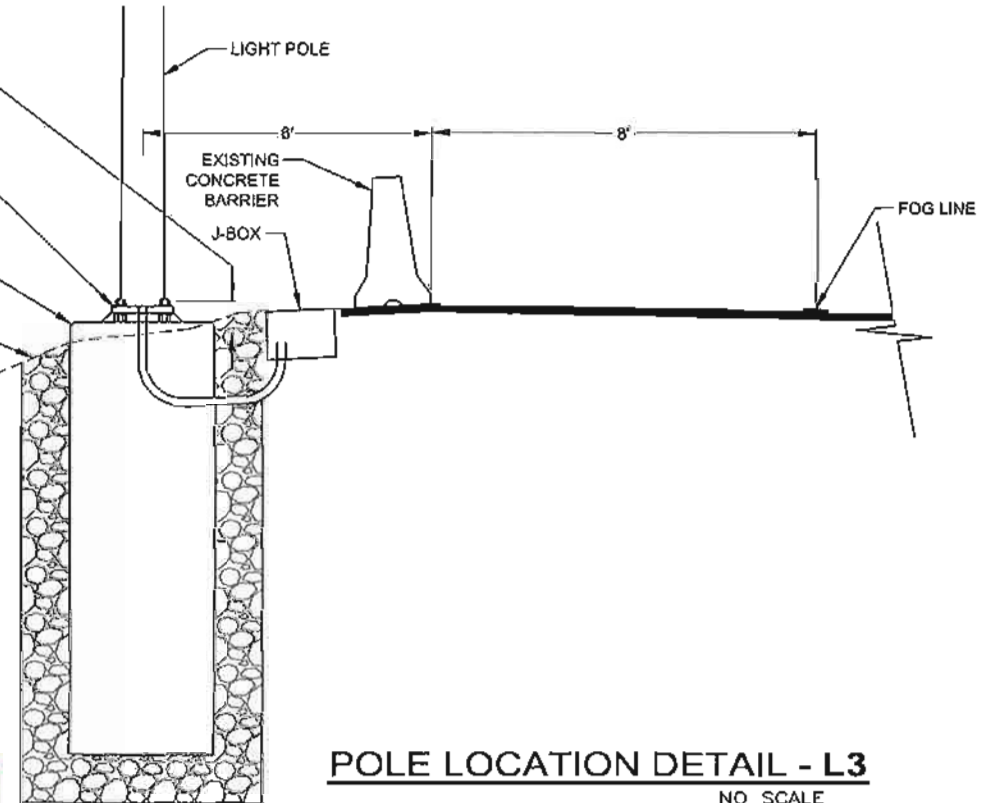
NO SCALE
 STA. 191+50 TO STA. 196+00
 STA. 223+75 TO STA. 225+50
 VANDERBILT ROAD W/O GUARDRAIL

WHEN LIGHT POLE IS BEHIND BARRIER AND MORE THAN 50' FROM BARRIER END, FOUNDATION TOP MAY EXTEND UP TO 12' ABOVE EXISTING GRADE, PROVIDED MINIMUM FOUNDATION BURIAL DEPTH IS STILL MAINTAINED

DO NOT USE FRANGIBLE COUPLINGS WHEN FOUNDATION IS BEHIND BARRIER AND GREATER THAN 50' FROM BARRIER TERMINAL

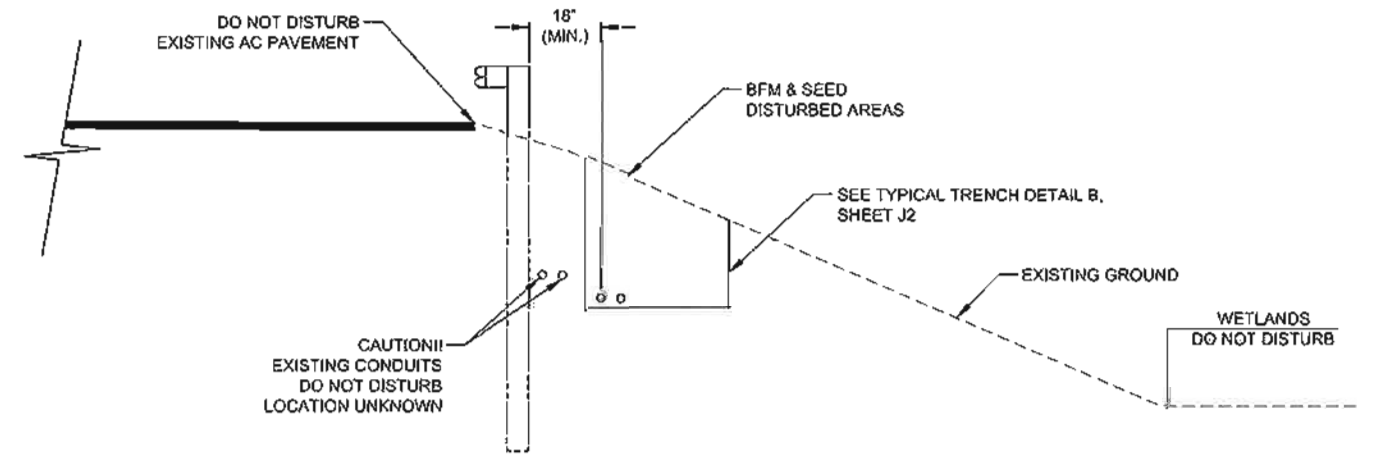
CONCRETE FOUNDATION PER STANDARD DRAWING L-30.10

BFM & SEED DISTURBED AREAS



POLE LOCATION DETAIL - L3

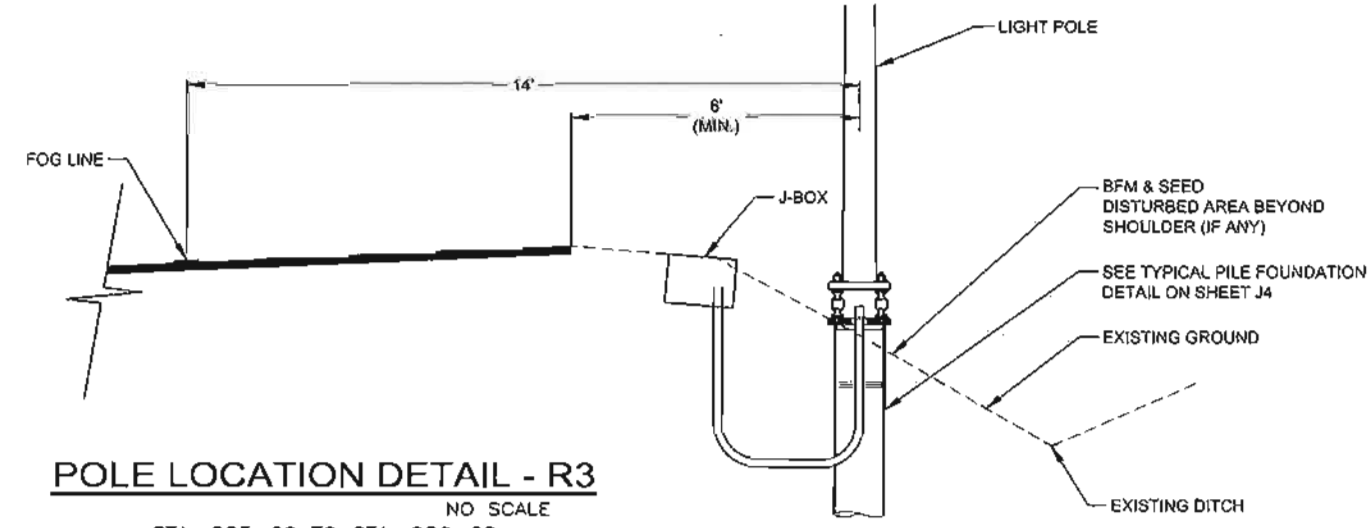
NO SCALE
 ⚠ STA. 408+00 TO STA. 414+00



TRENCH LOCATION DETAIL - R4

NO SCALE
 STA. 196+00 TO STA. 198+00
 VANDERBILT ROAD W/ GUARDRAIL

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *K.J. Nishin* Date 3-23-15



POLE LOCATION DETAIL - R3

NO SCALE
 STA. 225+00 TO STA. 226+00

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 Ety *Jean Colthart* Date 02/05/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: L. GALBRAITH
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

TYPICAL SECTIONS

NO.	DATE	DESCRIPTION	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	07/13	ADJUST STR. MARKS	67402\EBL-0932(050)	2013	B3	51

DESIGNED BY: L. GALBRAITH
 DRAWN BY: B. PADDOCK
 PARTIAL: I:\1353702\DWG\CS\SHEETS\1353702-B TYPICALS.DWG
 T.A.#: B3
 DATE: Friday, June 07, 2013 8:33:18 AM
 WILL WEBB

ESTIMATE OF QUANTITIES

ITEM NO	ITEM DESCRIPTION	UNIT	TOTAL
202(2)	REMOVAL OF PAVEMENT	LUMP SUM	ALL REQ'D
203(5)	BORROW	CUBIC YARD	60
301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	2,036
401(4)	ASPHALT CONCRETE, TYPE II, CLASS B	SQUARE YARD	120
606(5A)	REMOVING AND RECONSTRUCTING GUARDRAIL	LUMP SUM	ALL REQ'D
611(1)	RIPRAP, CLASS III	CUBIC YARD	40
618(8)	SEEDING	LUMP SUM	ALL REQ'D
619(4)	BONDED FIBER MATRIX (BFM)	LUMP SUM	ALL REQ'D
633(2)	SEDIMENT BARRIER	LINEAR FOOT	10,000
640(1)	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D
641(1)	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D
641(3)	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	LUMP SUM	ALL REQ'D
641(6)	WITHHOLDING	CONTINGENT SUM	ALL REQ'D
641(7)	SWPPP MANAGER	LUMP SUM	ALL REQ'D
642(1)	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQ'D
642(3)	THREE PERSON SURVEY PARTY	HOUR	40
643(2)	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D
643(3)	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQ'D
643(15)	FLAGGING	CONTINGENT SUM	ALL REQ'D
643(23)	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQ'D
643(25)	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQ'D
644(8)	VEHICLES	LUMP SUM	ALL REQ'D
645(1)	TRAINING PROGRAM, 1 TRAINEE/APPRENTICE	LABOR HOUR	375
648(1)	CPM SCHEDULING	LUMP SUM	ALL REQ'D
660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE:	LUMP SUM	ALL REQ'D
661(1)	LOAD CENTER, TYPE 1	EACH	4
661(2)	LOAD CENTER, TYPE 1A	EACH	1
661(4)	LOAD CENTER, TYPE 3	EACH	1
661(5)	MODIFY EXISTING LOAD CENTER	EACH	1
661(6A)	TRANSFORMER, 10 KVA	EACH	1
661(6B)	TRANSFORMER, 15 KVA	EACH	2
661(7)	REMOVE EXISTING LOAD CENTER	EACH	3

TABLE OF ESTIMATING FACTORS

ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
301(1)	AGGREGATE BASE COURSE, GRADING D-1	1.96 TONS/CY
401(4)	ASPHALT CONCRETE, TYPE II, CLASS B	117 LB/SQ YD/INCH
619(3)	BONDED FIBER MATRIX (BFM)	4000 LB/ACRE

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By *Leon Galbraith* Date *02/05/15*

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

PE *Rf. Parker* Date *3-23-15*

660(3) HIGHWAY LIGHTING SYSTEM BASIS OF ESTIMATE

LUMINARIES, POLES	148
MAST ARM, 12-FOOT	36
MAST ARM, 15-FOOT	112
PILE FOUNDATION, 15-FOOT	6
PILE FOUNDATION, 20-FOOT	56
CONCRETE FOUNDATION, 8-FOOT MIN	31
CONCRETE FOUNDATION, 10-FOOT MIN	56
JUNCTION BOX, TYPE 1A	155
JUNCTION BOX, TYPE II	30
POLE SHAFT, 36-FOOT	61
POLE SHAFT, 37-FOOT	87

661 (1, 2, 4, 5, 6A, 6B, 7) LOAD CENTER SUMMARY

LOAD CENTER	STATION	OFFSET	NORTHING	EASTING	LOCATION	TRANSFORMER	TYPE	COMMENTS
A	128+50	53' RT	492141	526126	OLD SLAGIER HWY / ROSS WAY		1A	REPLACE, USE EXISTING FOUNDATION
B	168+27	87' RT	487272	521872	CHANNEL VISTA DR. TURNOUT	15 KVA (EXIST)	1	(NO CHANGE)
B2	198+10	89' RT	487259	521883	CHANNEL VISTA DR. TURNOUT	15 KVA (NEW)	1	NEW
C	223+93	132' RT	489339	520328	ARLUP POWERHOUSE TURNOUT	15 KVA (NEW)	3	MODIFY EXISTING
D	242+33	197' LT	490118	518590	SALMON CK, INTERSECTION: GCI PARKING LOT	15 KVA (EXIST)	1	(NO CHANGE)
E	285+06	100' Rk	493464	500044	TWAN LAKES (AT NECK BETWEEN LAKES)		3	NEW
F	328+67	163' RT	496882	514574	LEMON ROAD / TWAN LAKES DRIVE		1	REPLACE
G	386+69	163' RT	500892	509036	LEMON ROAD (NEAR OLD RFC BUILDING)	15 KVA (EXIST)	1	(NO CHANGE)
H	405+83	160' RT	500925	507077	LEMON ROAD (WEST OF SE DOT BUILDING)		1	(NO CHANGE)
I	456+75	553' RT	503288	502078	YANDUKIN ROAD (ADJACENT TO FRED MEYER)		1	REPLACE
J	359+15	104' LT	498819	510926	MENDENHILL REFUGE OVERLOOK	15 KVA (NEW)	1	NEW

NOTE 1: STATIONS & OFFSETS ARE APPROXIMATE. REPLACE LOAD CENTERS AT EXISTING LOCATIONS.

PREPARED BY: USKH
JORDAN HALL
3 March 2014
TAB: 01

APPENDIX NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION
1	07/13	EST. QUANTITIES
2	10/01/14	NEW LC BY X.H.WEISS
3	02/18	REVISED QUANTITIES

PLAN LEGEND

CHECKED BY: W. WEBB



DESIGNED BY: L. GALBRAITH

DRAWN BY: M. HISALGO

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

ESTIMATE OF QUANTITIES

PROJECT DESIGNATION

67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
C1	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

APPENDIX NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION

202(2) REMOVAL OF PAVEMENT - LUMP SUM					
BEGIN		END		S.Y.	REMARKS
STATION	OFFSET	STATION	OFFSET		
154+00	RT	190+00	RT	800	
196+00	RT	198+00	RT	40	
248+00	RT	361+00	RT	2500	
224+75	RT	N/A	RT	60	
475+00	RT	N/A	RT	60	
TOTAL				3,460	

203(5) BORROW - CUBIC YARD			
LOCATION			
STATION	OFFSET	QUANTITY	REMARKS
285+00	RT	60	LOAD CENTER E, SEE SHEET R13
TOTAL		60	

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 By Jan Ballantyne Date 02/05/15

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE H.J. Nishen Date 3-23-15

301(1) AGGREGATE BASE COURSE, GRADING D-1 - TON					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
154+00	RT	190+00	RT	500	
196+00	RT	198+00	RT	24	
248+00	RT	361+00	RT	1500	
224+75	RT	N/A	RT	6	
475+00	RT	N/A	RT	6	
TOTAL				2,036	

618(6) SEEDING - LUMP SUM					
BEGIN		END		S.Y.	REMARKS
STATION	OFFSET	STATION	OFFSET		
154+00	RT	190+00	RT	1200	
196+00	RT	198+00	RT	70	
248+00	RT	361+00	RT	3800	
226+00	RT	236+00	RT	1300	
407+00	RT	455+00	RT	8400	
VANDERBUILT HILL ROAD				1800	
TWIN LAKES DRIVE				130	
GLACIER HWY / LEMON RD				670	
TWIN LAKES CROSSING				270	
154+00	LT	200+00	LT	6100	
248+00	LT	361+00	LT	15100	
407+00	LT	439+00	LT	4300	
TOTAL				40,940	

619(4) BONDED FIBER MATRIX (BFM) - LUMP SUM					
BEGIN		END		S.Y.	REMARKS
STATION	OFFSET	STATION	OFFSET		
154+00	RT	190+00	RT	1200	
196+00	RT	198+00	RT	70	
248+00	RT	361+00	RT	3800	
226+00	RT	236+00	RT	1300	
407+00	RT	455+00	RT	8400	
VANDERBUILT HILL ROAD				1600	
TWIN LAKES DRIVE				130	
GLACIER HWY / LEMON RD				670	
TWIN LAKES CROSSING				270	
154+00	LT	200+00	LT	6100	
248+00	LT	361+00	LT	15100	
407+00	LT	439+00	LT	4300	
TOTAL				40,940	

401(4) ASPHALT CONCRETE, TYPE II, CLASS B - SQUARE YARD					
BEGIN		END		QUANTITY	REMARKS
STATION	OFFSET	STATION	OFFSET		
224+75	RT	N/A	RT	60	SALMON CREEK P.H. DRIVEWAY
475+00	RT	N/A	RT	60	FRED MEYER DRIVEWAY
TOTAL				120	

606(5A) REMOVING AND RECONSTRUCTING GUARDRAIL - LUMP SUM			
No. OF LOCATIONS	LENGTH / LOCATION	FEET	REMARKS
112	30	3,360	AS REQUIRED TO INSTALL FOUNDATIONS

642(1) CONSTRUCTION SURVEYING - LUMP SUM	
ITEM	REMARKS
LOCATE EXISTING UTILITIES	
LOCATE PROPOSED POLES	
LOCATE J-BOXES	
LOCATE ROW FOR LOADCENTER	SHEET H13
SLOPE STAKE RIP RAP	SHEET H13
MEASUREMENT OF PAY ITEMS	

611(1) RIPRAP, CLASS III - CUBIC YARD		
LOCATION	QUANTITY	REMARKS
LOAD CENTER E	40	SEE SHEET R13
TOTAL	40	

PLAN LEGEND

CHECKED BY: W. WEBB



DESIGNED BY: L. GALBRAITH

DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

SUMMARY TABLES

PROJECT DESIGNATION	
674021EBL-09132(030)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
D1	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

LIGHT POLE SUMMARY							
POLE #	STATION	OFFSET	NORTHING	EASTING	MAST ARM	SHAFT	FDN
L1	156+93	LT	483692	523946	15'	36'	C-10'
L2	156+93	RT	483751	524040	15'	37'	P-15'
L3	159+28	LT	483891	523821	15'	36'	C-10'
L4	159+28	RT	483950	523915	15'	37'	P-15'
L5	161+73	LT	484098	523690	15'	36'	C-10'
L6	161+73	RT	484158	523785	15'	37'	P-15'
L7	164+13	LT	484301	523562	15'	36'	C-10'
L8	164+13	RT	484361	523657	15'	37'	P-15'
L9	166+58	LT	484509	523432	15'	36'	C-10'
L10	166+59	RT	484569	523527	15'	37'	P-15'
L11	168+92	LT	484710	523310	15'	36'	C-10'
L12	168+94	RT	484769	523404	15'	37'	P-15'
L13	171+32	LT	484915	523186	15'	36'	C-10'
L14	171+34	RT	484975	523280	15'	37'	P-20'
L15	173+67	LT	485116	523064	15'	36'	C-10'
L16	173+69	RT	485176	523159	15'	37'	P-20'
L17	176+12	LT	485326	522938	15'	36'	C-10'
L18	176+14	RT	485386	523032	15'	37'	P-20'
L19	178+52	LT	485532	522814	15'	36'	C-10'
L20	178+54	RT	485591	522908	15'	37'	P-20'
L21	180+97	LT	485742	522687	15'	36'	P-20'
L22	180+99	RT	485801	522782	15'	37'	P-20'
L23	183+34	LT	485942	522564	15'	36'	P-20'
L24	183+33	RT	486001	522659	15'	37'	P-20'
L25	185+75	LT	486143	522433	15'	36'	P-20'
L26	185+72	RT	486204	522530	15'	37'	P-20'
L27	188+15	LT	486344	522301	15'	36'	P-20'
L28	188+12	RT	486405	522400	15'	37'	P-20'
L29	192+66	LT	486722	522054	15'	36'	P-20'
L30	195+06	LT	486923	521923	15'	36'	P-20'
L31	197+46	LT	487124	521792	15'	36'	P-20'
L32	199+86	LT	487325	521661	15'	36'	P-20'
L101	225+60	RT	489401	520147	12'	37'	P-20'
L102	228+07	RT	489559	519951	12'	36'	C-10'
L103	230+61	RT	489706	519739	12'	36'	C-10'
L104	233+00	RT	489830	519534	12'	37'	C-10'
L105	235+40	RT	489955	519328	12'	37'	C-10'
L201	248+66	LT	490585	518152	15'	36'	C-10'
L202	248+71	RT	490681	518222	15'	37'	P-20'
L203	251+04	LT	490740	517968	15'	36'	C-10'
L204	251+14	RT	490834	518037	15'	37'	P-20'

LIGHT POLE SUMMARY							
POLE #	STATION	OFFSET	NORTHING	EASTING	MAST ARM	SHAFT	FDN
L205	253+48	LT	490905	517785	15'	36'	C-10'
L206	253+53	RT	490994	517860	15'	37'	P-20'
L207	255+91	LT	491069	517606	15'	36'	C-10'
L208	255+91	RT	491155	517685	15'	37'	P-20'
L209	258+31	LT	491232	517429	15'	36'	C-10'
L210	258+31	RT	491317	517508	15'	37'	P-20'
L211	260+71	LT	491394	517253	15'	36'	C-10'
L212	260+71	RT	491480	517331	15'	37'	P-20'
L213	263+11	LT	491557	517076	15'	36'	C-10'
L214	263+11	RT	491642	517155	15'	37'	P-20'
L215	265+51	LT	491719	516899	15'	36'	C-10'
L216	265+51	RT	491805	516978	15'	37'	P-20'
L217	267+91	LT	491881	516723	15'	36'	C-10'
L218	267+91	RT	491967	516801	15'	37'	P-20'
L219	270+31	LT	492044	516546	15'	36'	C-10'
L220	270+31	RT	492129	516625	15'	37'	P-20'
L221	272+71	LT	492206	516369	15'	36'	C-10'
L222	272+71	RT	492292	516448	15'	37'	P-20'
L223	275+11	LT	492369	516193	15'	36'	C-10'
L224	275+11	RT	492454	516271	15'	37'	P-20'
L225	277+51	LT	492531	516016	15'	36'	C-10'
L226	277+51	RT	492617	516094	15'	37'	P-20'
L227	279+91	LT	492694	515839	15'	36'	C-10'
L228	279+91	RT	492779	515918	15'	37'	P-20'
L229	282+30	LT	492857	515663	15'	36'	C-10'
L230	282+32	RT	492942	515741	15'	37'	P-20'
L231	284+68	LT	493027	515494	15'	36'	C-10'
L232	284+74	RT	493110	515570	15'	37'	P-20'
L233	287+06	LT	493203	515330	15'	36'	C-10'
L234	287+17	RT	493286	515406	15'	37'	P-20'
L235	289+51	LT	493390	515168	15'	36'	C-10'
L236	289+56	RT	493466	515251	15'	37'	P-20'
L237	291+90	LT	493578	515017	15'	36'	C-10'
L238	291+97	RT	493654	515101	15'	37'	P-20'
L239	294+30	LT	493766	514858	15'	36'	C-10'
L240	294+38	RT	493842	514952	15'	37'	P-20'
L241	296+71	LT	493955	514719	15'	36'	C-10'
L242	296+78	RT	494031	514803	15'	37'	P-20'
L243	299+11	LT	494144	514570	15'	36'	C-10'
L244	299+19	RT	494220	514654	15'	37'	P-20'
L245	301+52	LT	494332	514421	15'	36'	C-10'

LIGHT POLE SUMMARY							
POLE #	STATION	OFFSET	NORTHING	EASTING	MAST ARM	SHAFT	FDN
L246	301+59	RT	494408	514505	15'	37'	P-20'
L247	303+87	LT	494517	514275	15'	36'	C-10'
L248	303+95	RT	494593	514359	15'	37'	P-20'
L249	306+28	LT	494706	514126	15'	36'	C-10'
L250	306+35	RT	494782	514210	15'	37'	P-20'
L251	308+68	LT	494895	513976	15'	36'	C-10'
L252	308+75	RT	494971	514061	15'	37'	P-20'
L253	311+19	LT	495091	513821	15'	36'	C-10'
L254	311+26	RT	495167	513906	15'	37'	P-20'
L255	313+59	LT	495280	513672	15'	36'	C-10'
L256	313+67	RT	495356	513757	15'	37'	P-20'
L257	316+00	LT	495468	513523	15'	36'	C-10'
L301	333+71	LT	496871	512436	15'	36'	C-10'
L302	333+73	RT	496942	512533	15'	37'	P-20'
L303	336+11	LT	497066	512297	15'	36'	C-10'
L304	336+13	RT	497134	512389	15'	37'	P-20'
L305	338+51	LT	497261	512157	15'	36'	C-10'
L306	338+53	RT	497329	512249	15'	37'	P-20'
L307	340+91	LT	497457	512018	15'	36'	C-10'
L308	340+93	RT	497525	512110	15'	37'	P-20'
L309	343+31	LT	497652	511879	15'	36'	C-10'
L310	343+33	RT	497720	511970	15'	37'	P-20'
L311	345+71	LT	497848	511739	15'	36'	C-10'
L312	345+73	RT	497915	511831	15'	37'	P-20'
L313	348+11	LT	498043	511600	15'	36'	C-10'
L314	348+13	RT	498111	511692	15'	37'	P-20'
L315	350+51	LT	498239	511461	15'	36'	C-10'
L316	350+53	RT	498306	511552	15'	37'	P-20'
L317	352+91	LT	498434	511321	15'	36'	C-10'
L318	352+93	RT	498502	511413	15'	37'	P-20'
L319	355+31	LT	498629	511182	15'	36'	C-10'
L320	355+33	RT	498697	511274	15'	37'	P-20'
L321	357+71	LT	498825	511043	15'	36'	C-10'
L322	357+73	RT	498893	511134	15'	37'	P-20'
L323	360+11	LT	499016	510898	15'	36'	C-10'
L401	408+27	LT	500753	506836	12'	37'	C-8'
L402	408+27	RT	500867	506834	12'	37'	C-8'
L403	410+67	LT	500749	506596	12'	37'	C-8'
L404	410+67	RT	500863	506594	12'	37'	C-8'
L405	413+07	LT	500745	506356	12'	37'	C-8'
L406	413+07	RT	500858	506354	12'	37'	C-8'

LIGHT POLE SUMMARY							
POLE #	STATION	OFFSET	NORTHING	EASTING	MAST ARM	SHAFT	FDN
L407	415+47	LT	500741	506116	12'	37'	C-8'
L408	415+47	RT	500854	506114	12'	37'	C-8'
L409	417+87	LT	500737	505876	12'	37'	C-8'
L410	417+87	RT	500850	505874	12'	37'	C-8'
L411	420+27	LT	500732	505636	12'	37'	C-8'
L412	420+27	RT	500845	505634	12'	37'	C-8'
L413	422+67	LT	500728	505396	12'	37'	C-8'
L414	422+67	RT	500841	505394	12'	37'	C-8'
L415	425+07	LT	500724	505156	12'	37'	C-8'
L416	425+07	RT	500837	505154	12'	37'	C-8'
L417	427+47	LT	500720	504916	12'	37'	C-8'
L418	427+47	RT	500832	504914	12'	37'	C-8'
L419	429+87	LT	500716	504676	12'	37'	C-8'
L420	429+87	RT	500828	504674	12'	37'	C-8'
L421	432+27	LT	500711	504436	12'	37'	C-8'
L422	432+27	RT	500824	504434	12'	37'	C-8'
L423	434+67	LT	500707	504196	12'	37'	C-8'
L424	434+67	RT	500820	504194	12'	37'	C-8'
L425	437+07	LT	500703	503956	12'	37'	C-8'
L426	437+07	RT	500815	503954	12'	37'	C-8'
L427	439+47	RT	500811	503714	12'	37'	C-8'
L428	441+87	RT	500807	503474	12'	37'	C-8'
L429	444+17	RT	500803	503244	12'	37'	C-8'
L430	446+57	RT	500798	503004	12'	37'	C-8'
L431	448+87	RT	500795	502774	12'	37'	C-8'

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *H.A. Parker* Date 3-23-15


RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 02/05/15

NOTE:
 FDN = FOUNDATION TYPE
 C-8' = CONCRETE FOUNDATION - 8 FOOT DEPTH
 C-10' = CONCRETE FOUNDATION - 10 FOOT DEPTH
 P-15' = PILE FOUNDATION - 15 FOOT DEPTH
 P-20' = PILE FOUNDATION - 20 FOOT DEPTH
 PILE FOUNDATIONS MAY BE SUBSTITUTED FOR CONCRETE FOUNDATIONS

ADDENDUM NUMBER
ATTACHMENT NUMBER
RECORD OF REVISIONS
No. DATE DESCRIPTION

PLAN LEGEND

CHECKED BY: W. WEBB



DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

LIGHT POLE SUMMARY

PROJECT DESIGNATION
67402IEBL-0932(050)

JUNCTION BOX SUMMARY					
J-BOX #	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
J1	156+93	L	483696	523952	TYPE 1A
J2	156+93	R	483748	524034	TYPE 1A
J3	159+28	L	483895	523826	TYPE 1A
J4	159+28	R	483946	523909	TYPE 1A
J5	161+73	L	484102	523696	TYPE 1A
J6	161+73	R	484154	523779	TYPE 1A
J7	164+13	L	484305	523568	TYPE 1A
J8	164+13	R	484357	523651	TYPE 1A
J9	166+58	L	484513	523438	TYPE 1A
J10	166+58	R	484565	523521	TYPE 1A
J11	168+92	L	484713	523316	TYPE 1A
J12	168+94	R	484765	523398	TYPE 1A
J13	171+32	L	484919	523192	TYPE 1A
J14	171+34	R	484971	523274	TYPE 1A
J15	173+67	L	485120	523070	TYPE 1A
J16	173+69	R	485172	523153	TYPE 1A
J17	176+12	L	485330	522944	TYPE 1A
J18	176+14	R	485382	523026	TYPE 1A
J19	178+52	L	485536	522820	TYPE 1A
J20	178+54	R	485587	522902	TYPE 1A
J21	180+97	L	485745	522693	TYPE 1A
J22	180+99	R	485797	522776	TYPE 1A
J23	183+34	L	485946	522570	TYPE 1A
J24	183+33	R	485997	522653	TYPE 1A
J25	185+74	L	486146	522439	TYPE 1A
J26	185+73	R	486200	522524	TYPE 1A
J27	188+14	L	486347	522307	TYPE 1A
J28	188+13	R	486402	522394	TYPE 1A
J29	192+86	L	486725	522060	TYPE 1A
J30	195+08	L	486926	521929	TYPE 1A
J31	197+46	L	487127	521798	TYPE 1A
J32	199+86	L	487328	521667	TYPE 1A
J101	225+80	R	489396	520142	TYPE 1A
J102	228+07	R	489554	519947	TYPE 1A
J103	230+61	R	489700	519735	TYPE 1A
J104	233+01	R	489824	519530	TYPE 1A
J105	235+41	R	489949	519325	TYPE 1A
J201	248+67	L	490581	518156	TYPE 1A
J202	248+71	R	490675	518216	TYPE 1A
J203	251+04	L	490745	517973	TYPE 1A
J204	251+14	R	490829	518032	TYPE 1A
J205	253+48	L	490910	517790	TYPE 1A
J206	253+53	R	490988	517856	TYPE 1A
J207	255+91	L	491074	517611	TYPE 1A
J208	255+91	R	491150	517680	TYPE 1A
J209	258+31	L	491237	517434	TYPE 1A
J210	258+31	R	491312	517503	TYPE 1A
J211	260+71	L	491399	517258	TYPE 1A

JUNCTION BOX SUMMARY					
J-BOX #	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
J212	260+71	R	491475	517327	TYPE 1A
J213	263+11	L	491562	517081	TYPE 1A
J214	263+11	R	491637	517150	TYPE 1A
J215	265+51	L	491724	516904	TYPE 1A
J216	265+51	R	491799	516973	TYPE 1A
J217	267+91	L	491887	516727	TYPE 1A
J218	267+91	R	491962	516797	TYPE 1A
J219	270+31	L	492049	516551	TYPE 1A
J220	270+31	R	492124	516620	TYPE 1A
J221	272+71	L	492211	516374	TYPE 1A
J222	272+71	R	492287	516443	TYPE 1A
J223	275+11	L	492374	516197	TYPE 1A
J224	275+11	R	492449	516266	TYPE 1A
J225	277+51	L	492536	516021	TYPE 1A
J226	277+51	R	492611	516090	TYPE 1A
J227	279+91	L	492699	515844	TYPE 1A
J228	279+91	R	492774	515913	TYPE 1A
J229	282+30	L	492862	515668	TYPE 1A
J230	282+32	R	492937	515737	TYPE 1A
J231	284+68	L	493032	515499	TYPE II
J232	284+74	R	493105	515565	TYPE II
J232a	285+01	R	493165	515589	TYPE 1A
J233	287+06	L	493206	515335	TYPE 1A
J234	287+17	R	493281	515400	TYPE 1A
J235	289+51	L	493395	515173	TYPE 1A
J236	289+56	R	493461	515246	TYPE 1A
J237	291+90	L	493582	515022	TYPE 1A
J238	291+97	R	493649	515096	TYPE 1A
J239	294+30	L	493771	514873	TYPE 1A
J240	294+36	R	493836	514947	TYPE 1A
J241	296+71	L	493959	514724	TYPE 1A
J242	296+78	R	494027	514798	TYPE 1A
J243	299+11	L	494148	514575	TYPE 1A
J244	299+19	R	494215	514649	TYPE 1A
J245	301+52	L	494337	514426	TYPE 1A
J246	301+59	R	494404	514500	TYPE 1A
J247	303+87	L	494522	514280	TYPE 1A
J248	303+95	R	494589	514354	TYPE 1A
J249	306+28	L	494710	514131	TYPE 1A
J250	306+35	R	494778	514205	TYPE 1A
J251	308+68	L	494899	513982	TYPE 1A
J252	308+75	R	494966	514056	TYPE 1A
J253	311+19	L	495095	513827	TYPE 1A
J254	311+26	R	495163	513901	TYPE 1A
J256	313+59	L	495284	513678	TYPE 1A
J256	313+67	R	495352	513751	TYPE 1A
J257	316+00	L	495473	513529	TYPE 1A
J301	333+71	L	496875	512442	TYPE 1A

JUNCTION BOX SUMMARY					
J-BOX #	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
J302	333+73	R	496938	512527	TYPE 1A
J303	336+11	L	497070	512302	TYPE 1A
J304	336+13	R	497130	512383	TYPE 1A
J305	338+51	L	497266	512163	TYPE 1A
J306	338+53	R	497325	512244	TYPE 1A
J307	340+91	L	497461	512024	TYPE 1A
J308	340+93	R	497520	512104	TYPE 1A
J309	343+31	L	497656	511884	TYPE 1A
J310	343+33	R	497716	511965	TYPE 1A
J311	345+71	L	497852	511745	TYPE 1A
J312	345+73	R	497911	511825	TYPE 1A
J313	348+11	L	498047	511608	TYPE 1A
J314	348+13	R	498107	511686	TYPE 1A
J315	350+51	L	498243	511466	TYPE 1A
J316	350+53	R	498302	511547	TYPE 1A
J317	352+91	L	498438	511327	TYPE 1A
J318	352+93	R	498498	511407	TYPE 1A
J319	355+31	L	498634	511188	TYPE 1A
J320	355+33	R	498693	511268	TYPE 1A
J321	357+71	L	498829	511048	TYPE 1A
J322	357+73	R	498888	511129	TYPE 1A
J323	360+11	L	499020	510903	TYPE 1A
J401	408+27	L	500760	506836	TYPE 1A
J402	408+27	R	500800	506834	TYPE 1A
J403	410+67	L	500756	506596	TYPE 1A
J404	410+67	R	500856	506594	TYPE 1A
J405	413+07	L	500752	506356	TYPE 1A
J406	413+07	R	500851	506354	TYPE 1A
J407	415+47	L	500748	506116	TYPE 1A
J408	415+47	R	500847	506114	TYPE 1A
J409	417+87	L	500744	505876	TYPE 1A
J410	417+87	R	500843	505874	TYPE 1A
J411	420+27	L	500739	505636	TYPE 1A
J412	420+27	R	500838	505634	TYPE 1A
J413	422+67	L	500735	505396	TYPE 1A
J414	422+67	R	500834	505394	TYPE 1A
J415	425+07	L	500731	505156	TYPE 1A
J416	425+07	R	500830	505154	TYPE 1A
J417	427+47	L	500727	504916	TYPE 1A
J418	427+47	R	500826	504914	TYPE 1A
J419	429+87	L	500723	504676	TYPE 1A
J420	429+87	R	500821	504674	TYPE 1A
J421	432+27	L	500718	504436	TYPE 1A
J422	432+27	R	500817	504434	TYPE 1A
J423	434+67	L	500714	504196	TYPE 1A
J424	434+67	R	500813	504194	TYPE 1A
J425	437+07	L	500710	503956	TYPE 1A
J426	437+07	R	500808	503954	TYPE II

JUNCTION BOX SUMMARY					
J-BOX #	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
J427	439+47	R	500804	503714	TYPE II
J428	441+87	R	500800	503474	TYPE II
J429	444+17	R	500796	503244	TYPE II
J430	446+57	R	500791	503004	TYPE II
J431	448+87	R	500788	502774	TYPE II
J435	456+20	R	500841	502039	TYPE II
J436	455+91	R	501141	502064	TYPE II
J501	190+44	R	486606	522283	TYPE II
J502	192+34	R	486764	522178	TYPE 1A
J503	194+24	R	486921	522071	TYPE 1A
J504	196+15	R	487079	521963	TYPE 1A
J505	198+03	R	487235	521858	TYPE 1A
J512	318+35	L	495653	513377	TYPE 1A
J513	320+76	L	495840	513224	TYPE 1A
J514	316+16	R	495559	513612	TYPE 1A
J516	318+63	R	495767	513464	TYPE 1A
J516	322+25	R	497009	514465	TYPE II
J517	322+26	R	496896	514323	TYPE II
J518	322+27	R	496788	514181	TYPE II
J519	322+27	R	496676	514040	TYPE II
J520	322+29	R	496566	513898	TYPE II
J521	322+30	R	496455	513756	TYPE II
J522	322+39	R	496351	513609	TYPE II
J523	322+43	R	496243	513465	TYPE II
J524	322+55	R	496154	513335	TYPE II
J525	323+19	R	496114	513180	TYPE II
J526	325+74	R	496316	513024	TYPE 1A
J527	328+38	R	496525	512851	TYPE 1A
J528	330+92	R	496723	512708	TYPE 1A
J529	323+18	L	496030	513074	TYPE II
J530	325+76	L	496232	512915	TYPE 1A
J531	328+45	L	496444	512748	TYPE 1A
J532	331+01	L	496648	512591	TYPE 1A
J540	450+67	R	500804	502584	TYPE II
J541	452+38	R	500805	502423	TYPE II
J542	454+37	R	500806	502224	TYPE II

NOTE:
INCLUDE 5 TYPE II JBOXES FOR UPGRADING EXISTING AS
REQUIRED AT THE EGAN DRIVE/LEMON DRIVE (FRED MEYER)
INTERSECTION.

RECORD DRAWING
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INFORMATION PROVIDED TO STANTEC. FIELD VERIFY
INFORMATION CONTAINED HEREON BEFORE USING.
By *[Signature]* Date *02/05/15*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PREPARED BY: USKH
WILL WEBB
7 June 2013
TAB: D3 JB TABLE

ADDENDUM NUMBER _____
ATTACHMENT NUMBER _____

RECORD OF REVISIONS

NO	DATE	DESCRIPTION
1	07/03	ADD J232A AND WISC TYPE II JBOXES

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE *[Signature]* Date *3-23-15*

PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRATH
DRAWN BY: M. HIDALGO

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHWESTERN REGION

JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

JUNCTION BOX SUMMARY
PROJECT DESIGNATION
67402E-BL-0932(050)

STATE	YEAR
ALASKA	2013

SHEET NUMBER: D3 TOTAL SHEETS: 51

PATH: I:\35372\DWGS\C\SHETS\13537024\ SHEETS.DWG

APPENDIX NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	1/22/14	NEW LC B2 & NEW LC C

SUMMARY OF NEW LOAD CENTER NO. A

Load center type:	1A			
Location Data:	Old Glacier Hwy / Ross Way			
Load center:	Station: Existing	129+59	Existing 53' Rt	
Power source:	Station: Existing	Offset:	Nearby Power Pole	
Photoelectric control:	Yes			
Service voltage:	480/240-volt, 1 phase, 3 wire			
Interrupting Capacity of Circuit Breakers - Series Rated	10,000 AIC			
Provide meter socket?	Yes 100A			
Main Breaker A:	480 volts, 2 pole, 100 amperes	Serving:	Panel A	
Contactors:	600 volt, 12 pole, 30 amperes			
Contactors:	600 volt, 4 pole, 30 amperes			
Load Panel A Summary				
Bus rating:	100A, 480/240-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker	
			Amps	Poles
*AA1	Existing Lighting Circuit 1-A	0.6	20	2
*AA2	Existing Lighting Circuit 1-G	2.4	20	2
*AA3	Existing Lighting Circuit 1-F	1.6	20	2
*AA4	Existing Lighting Circuit 1-B	3.0	20	2
*AA5	Existing Lighting Circuit 1-E	1.4	20	2
*AA7	Existing Lighting Circuit 1-D	4.8	20	2
*AA8	Spare	-	20	2
AA9	Space	-	-	2
AA10	Photoelectric control	0.1	15	1
AA11	Heater	0.2	15	1
Connected Load Panel A		14.1	29.4	
Demand Load Panel A (@125%)		17.6	36.7	

* Circuit routed through contactor

SUMMARY OF EXISTING LOAD CENTER NO. B

Load center type:	1			
Location Data:	Channel Vist Dr. Turnout			
Load center:	Station: Existing	198+27	Offset: 87' Rt	
Power source:	Station: Existing	Offset:	Existing Power Pole	
Photoelectric control:	Existing			
Service voltage:	240/120-volt, 1 phase, 3 wire			
Interrupting Capacity of Circuit Breakers - Series Rated	10,000 AIC			
Provide meter socket?	Existing			
Main Breaker A (Exst):	240 volts, 2 pole, 100 amperes	Serving:	Panel A	
Contactors (Existing):	600 volt, 6 pole, 30 amperes			
Load Panel A Summary				
Bus rating:	100A, 240/120-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker	
			Amps	Poles
BA1	Main	-	100	2
BA2	Space	-	-	2
*BA3	Existing 240v Circuit LTG 1 (Lighting)	1.5	20	2
*BA4	Existing 240v Circuit LTG 2 (Lighting)	1.5	20	2
BA5	Photoelectric control	0.1	15	2
BA6	Spare	-	20	2
BA7	Space	-	-	1
BA8	RWI (Roadside Weather Information System)	1.0	20	1
BA9	Space	-	-	1
BA10	Traffic Counter	1.0	20	1
BA11	Heater	0.2	15	1
BA12	Traffic Counter	1.0	20	1
Connected Load Panel A		6.3	26.3	
Demand Load Panel A (@125%)		7.9	32.8	

* Circuit routed through contactor

NOTE: NO WORK REQUIRED ON LOAD CENTER B.

SUMMARY OF EXISTING LOAD CENTER NO. C

Load center type:	3 (Existing)			
Location Data:	AEL&P Powerhouse Turnout			
Load center:	Station: Existing	223+90	Offset: 132' Rt	
Power source:	Station: Existing	Offset:	Nearby Power Pole	
Photoelectric control:	Existing			
Service voltage:	240/120-volt, 1 phase, 3 wire			
Interrupting Capacity of Circuit Breakers - Series Rated	10,000 AIC			
Provide meter socket?	Existing			
Main Breaker A:	240 volts, 2 pole, 100 amperes	Serving:	Panel A	
Contactors (REMOVE):	600 volt, 4 pole, 30 amperes			
Contactors (NEW):	600 volt, 8 pole, 30 amperes			
Transformer: (NEW)	15KVA, 240-480 volt			
Load Panel A Summary				
Bus rating:	100A, 240/120-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker	
			Amps	Poles
CA1	Main	-	100	2
CA2	XFMR (NEW)	8.2	80	2
CA3	Photoelectric control	0.1	20	1
CA4	Heater	0.2	20	1
Connected Load Panel A		8.5	35.4	
Demand Load Panel A (@125%)		10.6	44.3	
Load Panel B Summary				
Bus rating:	60A, 480-volt, 1-phase, 2-wire			
Circuit Number	Description	KVA Load	Breaker	
			Amps	Poles
*CB1	Existing Lighting Circuit LTG 1 (Median Poles)	3.4	20	2
*CB2	Existing Lighting Circuit LTG 2 (Median Poles)	3.4	20	2
*CB3	New Lighting Circuit: Powerhouse, North, Rt.	1.4	20	2
CB4	Space	-	-	2
Connected Load Panel B		8.2	17.1	
Demand Load Panel B (@125%)		10.3	21.4	
Connected Load Service		8.5	35.4	
Demand Load Service (@125%)		10.6	44.3	

* Circuit routed through contactor

NOTE: REMOVE EXISTING 4-POLE CONTACTOR AND REPLACE WITH NEW 8-POLE CONTACTOR. CONNECT NEW CONTACTOR TO EXISTING LIGHTING CONTROLS.

SUMMARY OF NEW LOAD CENTER NO. B2

Load center type:	1			
Location Data:	Channel Vist Dr. Turnout			
Load center:	Station: Existing	198+10	Existing 89' Rt	
Power source:	Station: Existing	Offset:	Nearby Power Pole	
Photoelectric control:	Yes			
Service voltage:	480/240-volt, 1 phase, 3 wire			
Interrupting Capacity of Circuit Breakers - Series Rated	10,000 AIC			
Provide meter socket?	Yes 100A			
Main Breaker A:	480 volts, 2 pole, 100 amperes	Serving:	Panel A	
Contactors:	600 volt, 12 pole, 30 amperes			
Contactors:	600 volt, 4 pole, 30 amperes			
Load Panel A Summary				
Bus rating:	100A, 480/240-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker	
			Amps	Poles
*B2A1	New Lighting Circuit 3 Mile North, Lt.	1.2	20	2
*B2A2	New Lighting Circuit 3 Mile South, Lt.	2.3	20	2
*B2A3	New Lighting Circuit 3 Mile South, Rt.	2.3	20	2
*B2A4	New Lighting Circuit: Norway Pt. North, Lt.	1.7	20	2
*B2A5	New Lighting Circuit: Norway Pt. North, Rt.	1.7	20	2
B2A6	Photoelectric control	0.1	15	1
B2A7	Heater	0.2	15	1
*B2A8	Spare	-	20	2
B2A9	Space	-	-	2
Connected Load Panel A		9.5	19.8	
Demand Load Panel A (@125%)		11.9	24.7	

* Circuit routed through contactor

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *K.J. Nelson* Date 3-23-15

RECORD DRAWING
THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
By *Lucas Schneller* Date 02/05/15

PLAN LEGEND

CHECKED BY: L. SCHNELLER



DESIGNED BY: K. MATTSCH, L. GALBRAITH

DRAWN BY: M. HADALGO

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

LOAD CENTER SUMMARY

PROJECT DESIGNATION
674021EBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
D4	51

ADDITIONAL NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	1/22/14	NEW LC B2 & NEW LC J
2	3/24/14	REVISED LC 1A, LC J
3	4/23/14	REVISED LC E & LC F

SUMMARY OF NEW LOAD CENTER NO. E			
Load center type: 3			
Location Data: Twin Lakes (at neck between lakes)			
Load center:	Station: 285+06	Offset: 100' Rt	
Power source:	Station: See Plan	Offset: ABL&P Pole #12082	
Photoelectric control:	Yes		
Service voltage:	480/240-volt, 1 phase, 3 wire		
Interrupting Capacity of Circuit Breakers - Series Rated	10,000 AIC		
Provide meter socket?	Yes 100A		
Main Breaker A:	480 volt, 2 pole, 100 amperes	Serving:	Panel A
Contactors:	600 volt, 10 pole, 30 amperes		
Load Panel A Summary			
Bus rating: 100A, 480/240-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker Amps Poles
BA1	Photoelectric control	0.1	15 1
EA2	Heater	0.2	15 1
*EA3	New Lighting Circuit: Twin Lakes, South, Lt.	3.7	20 2
*EA4	New Lighting Circuit: Twin Lakes, South, Rt.	3.5	20 2
*EA5	New Lighting Circuit: Twin Lakes, North, Lt.	4.6	20 2
*EA6	New Lighting Circuit: Twin Lakes, North, Rt.	4.6	20 2
*EA7	Spare	-	20 2
EA8	Space	-	20 2
Connected Load Panel A		16.7	34.8
Demand Load Panel A (@125%)		20.9	43.5

* Circuit routed through contactor

SUMMARY OF EXISTING LOAD CENTER NO. G			
Load center type: 1 (Existing)			
Location Data: Lemon Road (near old KFC building)			
Load center:	Station: 386+59	Offset: 163' Rt	
Power source:	Station: Existing	Offset: Nearby Power Pole	
Photoelectric control:	Existing		
Service voltage:	480/240-volt, 1 phase, 3 wire		
Interrupting Capacity of Circuit Breakers - Series Rated	10,000 AIC		
Provide meter socket?	Existing 200A		
Main Breaker A:	480 volts, 2 pole, 40 amperes	Serving:	Transformer
Main Breaker B:	480 volt, 2 pole, 200 amperes	Serving:	Contactors
Contactors:	600 volt, 2 pole, 200 amperes	Serving:	Panel B
Transformer:	15kVA, 480-240/120 volts	Serving:	Main Bkr in Panel A
Load Panel A Summary			
Bus rating: 100A, 240/120-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker Amps Poles
GA1	Main	-	80 2
GA2	Space	-	1 1
GA3	Photoelectric control	0.1	15 2
GA4	Space	-	-
GA5	Space	-	-
GA6	Sunny Pt. Antennas	0.5	?? 1
GA7	Sunny Pt. Antennas	0.5	?? 1
GA8	Space	-	-
GA9	Space	-	-
GA10	Space	-	-
Connected Load Panel A		1.1	4.6
Demand Load Panel A (@125%)		1.4	5.7

* Load Panel B Summary

SUMMARY OF EXISTING LOAD CENTER NO. G (Cont.)			
Bus rating: 250A, 480-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker Amps Poles
GB1	Existing, SB Ramp (South of L.C.)	1.8	30 2
GB2	Existing, SB Egan (South of L.C.)	4.8	30 2
GB3	Existing, NB Egan (South of L.C.)	4.5	30 2
GB4	Existing, NB Ramp (North of L.C.) & Lemon Rd	4.2	30 2
GB5	Existing, SB Egan (North of L.C.)	3.6	30 2
GB6	Existing, NB Egan (North of L.C.)	3.6	30 2
GB7	Existing, Sunny Pt. Rd	1.8	30 2
GB8	Existing, Sunny Pt. Undercrossings	0.6	30 2
GB9	Existing, Egan Undercrossings	0.6	30 2
GB10	Space	-	2 2
Connected Load Panel B		25.5	53.1
Demand Load Panel B (@125%)		31.9	66.4
Connected Load Service		26.6	55.4
Demand Load Service (@125%)		33.3	69.3

* Circuit routed through contactor

NOTE: NO WORK REQUIRED ON LOAD CENTER G.

SUMMARY OF NEW LOAD CENTER NO. I			
Load center type: 1			
Location Data: Yandukin Road (adjacent to F. Meyer)			
Load center:	Station: 455+75	Offset: 553' Rt.	
Power source:	Station: Existing	Offset: Nearby Power Pole	
Photoelectric control:	Yes		
Service voltage:	480/277-volt, 1 phase, 3 wire		
Interrupting Capacity of Circuit Breakers - Series Rated	10,000 AIC		
Provide meter socket?	Yes 100A		
Main Breaker A:	480 volts, 2 pole, 100 amperes	Serving:	Panel A
Contactors:	600 volt, 12 pole, 30 amperes		
Load Panel A Summary			
Bus rating: 100A, 480/277-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker Amps Poles
*IA1	Existing Lighting Circuit LTG 1	3.9	20 2
*IA2	Existing Lighting Circuit LTG 2	3.9	20 2
*IA3	New Lighting Circuit: F. Meyer, South Lt.	2.3	20 2
*IA4	New Lighting Circuit: F. Meyer, South Lt.	1.5	20 2
*IA5	New Lighting Circuit: F. Meyer, South Rt.	3.2	20 2
*IA6	New Lighting Circuit: F. Meyer, South Rt.	2.0	20 2
IA7	Photoelectric control	0.1	15 1
IA8	Heater	0.2	15 1
IA9	Spare	-	20 2
IA10	Space	-	2 2
Connected Load Panel A		17.1	35.6
Demand Load Panel A (@125%)		21.4	44.5

* Circuit routed through contactor

NOTE: PHOTOCELL AND CONTACTOR COIL SHALL BE RATED FOR 277V.

SUMMARY OF NEW LOAD CENTER NO. F			
Load center type: 1			
Location Data: Twin Lakes / Lemon Rd.			
Load center:	Station: 320+57	Offset: 1638' Rt	
Power source:	Station: See Plan	Offset: See Plan	Nearby Power Pole
Photoelectric control:	Yes		
Service voltage:	480/240-volt, 1 phase, 3 wire		
Interrupting Capacity of Circuit Breakers - Series Rated	10,000 AIC		
Provide meter socket?	Yes 100A		
Main Breaker A:	480 volt, 2 pole, 100 amperes	Serving:	Panel A
Contactors:	600 volt, 12 pole, 30 amperes		
Load Panel A Summary			
Bus rating: 100A, 480/240-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker Amps Poles
*FA1	Existing Lighting Circuit 1	2.7	30 2
*FA2	Existing Lighting Circuit 2	2.7	30 2
*FA3	Spare	-	20 2
*FA4	Spare	-	20 2
*FA5	Spare	-	20 2
*FA6	Spare	-	20 2
FA7	Signal	5.0	15 2
FA8	Photoelectric control	0.1	15 1
FA9	Heater	0.2	15 1
FA10	Space	-	2 2
Connected Load Panel A		10.7	22.3
Demand Load Panel A (@125%)		13.4	27.9

* Circuit routed through contactor

SUMMARY OF NEW LOAD CENTER NO. J			
Load center type: 1			
Location Data: Mendenhall Refuge Overlook			
Load center:	Station: Existing 359+15	Offset: Existing 104' Lt	
Power source:	Station: Existing	Offset: Nearby Power Pole	
Photoelectric control:	Yes		
Service voltage:	240/120-volt, 1 phase, 3 wire		
Interrupting Capacity of Circuit Breakers - Series Rated	10,000 AIC		
Provide meter socket?	Yes 100A		
Main Breaker A:	240 volts, 2 pole, 100 amperes	Serving:	Transformer
Main Breaker B:	480 volts, 2 pole, 40 amperes	Serving:	Panel A
Contactors:	600 volt, 12 pole, 30 amperes		
Transformer:	15kVA, 240-480/240 volt	Serving:	Main Breaker B
Load Panel A Summary			
Bus rating: 100A, 480/240-volt, 1-phase, 3-wire			
Circuit Number	Description	KVA Load	Breaker Amps Poles
*JA1	New, Egan Dr. South of Sunny Pt. RL	2.0	20 2
*JA2	New Lighting Circuit: Vanderbilt, North, Rt.	1.5	20 2
*JA3	New, Egan Dr. South of Sunny Pt. Lt.	1.7	20 2
*JA4	New Lighting Circuit: Vanderbilt, North, Lt.	1.5	20 2
JA5	Photoelectric control	0.1	15 1
JA6	Heater	0.2	15 1
*JA7	Spare	-	20 2
JA8	Space	-	2 2
Connected Load Panel A		7.0	14.6
Demand Load Panel A (@125%)		8.8	18.2
Connected Load Service		7.0	29.2
Demand Load Service (@125%)		8.8	36.5

* Circuit routed through contactor

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *K.A. Mohr* Date *3-23-15*

RECORD DRAWING
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By *John Callahan* Date *02/05/15*

PLAN LEGEND

CHECKED BY: L. SCHNELLER



DESIGNED BY: K. WATSON, L. GALBRAITH

DRAWN BY: M. HEDRIGG

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SCU/FAS/1 REGION

JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

LOAD CENTER SUMMARY

PROJECT IDENTIFICATION

67402IEBL-0932(050)

STATE YEAR

ALASKA 2013

SHEET NUMBER TOTAL SHEETS

D5 51

PROJECT CONTROL POINT TABLE					
POINT #	JUNEAU DOT GRID		AK STATE PLANE Z-1		DESCRIPTION
	NORTHING	EASTING	NORTHING	EASTING	
66	487893.52	521288.50	2371083.16	2533695.13	GPS_BC 3" CHANNEL-DR 95-J-8
72	498720.36	511019.53	2382044.05	2523570.93	GPS_BM BC2" AS-72
85	500727.33	506717.41	2384107.57	2519296.03	ALCTRL2" REBAR LVA-85
86	500736.12	507191.53	2384110.10	2519770.19	ALCTRL2" REBAR LVA-86
87	500745.04	508337.84	2384103.86	2520916.43	ALCTRL2" REBAR LVA-87
115	500513.22	501845.84	2383957.90	2514422.40	GPS_ALPRM13.25
116	500797.41	500648.14	2384257.88	2513228.65	GPS_ALCTRL2.5
117	500726.31	500000.67	2384195.36	2512580.34	GPS_PKWASH
161	491101.53	518746.39	2374327.27	2531195.88	GPS_WELL_MON_141+95.3
189	490901.53	517879.38	2374135.76	2530326.32	GPS_CL_MON_PT128+42.5
239	500713.37	501357.98	2384164.40	2513937.26	GPS_ALCAP2" EY-239
500	500788.55	508214.75	2384140.99	2520793.94	GPS_ALCTRL_3.25"
501	500757.51	509104.16	2384106.20	2521682.79	GPS_BC2.5"
502	500352.08	509908.06	2383690.20	2522481.21	GPS_BC2.5"
513	489311.88	519955.27	2372518.59	2532390.86	CL_MON DOH
551	485764.08	522974.17	2368931.77	2535352.38	BC3" SIDEWALK HE-8

ILLUMINATION LOCATION NOTES

1. LOCATION OF PROPOSED IMPROVEMENTS ARE BASED ON AERIAL PHOTO AND MAY BE ADJUSTED DURING CONSTRUCTION STAKING TO ACCOMMODATE FIELD CONDITIONS. NO TOPOGRAPHICAL SURVEY WAS PERFORMED FOR THIS PROJECT.
2. CONTROL LINE SHOWN ON PLANS IS FOR GRAPHICAL REFERENCE ONLY AND IS NOT TO BE USED TO STAKE LOCATIONS OF PROPOSED IMPROVEMENTS. THE CONTROL LINE IS NOT THE HIGHWAY CENTERLINE. THE CONTROL LINE IS NOT THE RIGHT-OF-WAY CENTERLINE. THE CONTROL LINE AND STATIONING DOES NOT CORRELATE OR TIE INTO PREVIOUS ROAD PROJECTS.
3. STAKE LOCATIONS OF LUMINAIRES, JUNCTION BOXES, LOAD CENTERS AND CONDUIT ROAD CROSSINGS, OBTAIN APPROVAL OF LOCATIONS FROM THE ENGINEER BEFORE BEGINNING CONSTRUCTION.
4. STAKE LONGITUDINAL LOCATIONS OF LIGHT POLES USING COORDINATES FROM TABLES. LONGITUDINAL LOCATIONS OF LIGHT POLES MAY VARY BY UP TO 10 FEET TO ACCOMMODATE FIELD CONDITIONS. PROVIDED THE SPACING BETWEEN LIGHT POLES DOES NOT EXCEED 250-FEET.
5. STAKE OFFSET LOCATION OF LIGHT POLES FROM DIMENSIONS SHOWN IN TYPICAL SECTIONS TO THE FACE OF EXISTING GUARDRAIL AND FOG LINE.
6. COORDINATES SHOWN ON SUMMARY TABLES ARE BASED ON JUNEAU GRID.

LEGEND (TYP.)

- 2" C 2" CONDUIT (EITHER HDPE OR RMC)
- 1 3c #8 ONE CABLE WITH 3 CONDUCTORS OF #8 AWG WIRE SIZE
- CKT EA-4 CIRCUIT 4 ON PANEL A OF LOAD CENTER E

SURVEY NOTES

THE FOLLOWING STATEMENT HAS BEEN COMPILED FROM INFORMATION PROVIDED BY THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES:

COORDINATE SYSTEM:
 THE HORIZONTAL CONTROL FOR THIS PROJECT IS BASED ON THE DOT/PF 2000 JUNEAU GRID, A LOCAL GROUND COORDINATE SYSTEM. THE DOT/PF 2000 JUNEAU GRID IS BASED AT USC&GS FIRST ORDER CONTROL STATION EDDIE, WITH SAID STATION HAVING COORDINATES OF 500000.0000 N, 500000.0000 E, U.S. SURVEY FEET.

TRANSLATION PARAMETERS:
 TO CONVERT DOT/PF 2000 JUNEAU GRID COORDINATES TO NAD 83 ALASKA STATE PLANE ZONE 1 COORDINATES:

1. SCALE LOCAL COORDINATES ABOUT 500000.0000 N, 500000.0000 E BY 0.999928875.
2. ROTATE LOCAL COORDINATES ABOUT 500000.0000 N, 500000.0000 E BY -0°45'27.26".
3. ADD 1883469.1731 N, 2012570.06318 E TO THE RESULTING COORDINATES.

TO CONVERT NAD 83 ALASKA STATE PLANE ZONE 1 COORDINATES TO DOT/PF 2000 JUNEAU GRID COORDINATES:

1. SCALE LOCAL COORDINATES ABOUT 2383469.17310 N, 2512570.06318 E BY 1.000071130059125.
2. ROTATE LOCAL COORDINATES ABOUT 2383469.17310 N, 2512570.06318 E BY 0°45'27.26".
3. SUBTRACT 1883469.1731 N, 2012570.06318 E FROM THE RESULTING COORDINATES.

PREPARED BY: USKH
 JORDAN HALL
 9 January 2014
 TAB: H1

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	1/9/14	NEW LC B2 & NEW LC J



CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

**ROSS WAY PLAN
 LOAD CENTER A**

PROJECT DESIGNATION
67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H1	51

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

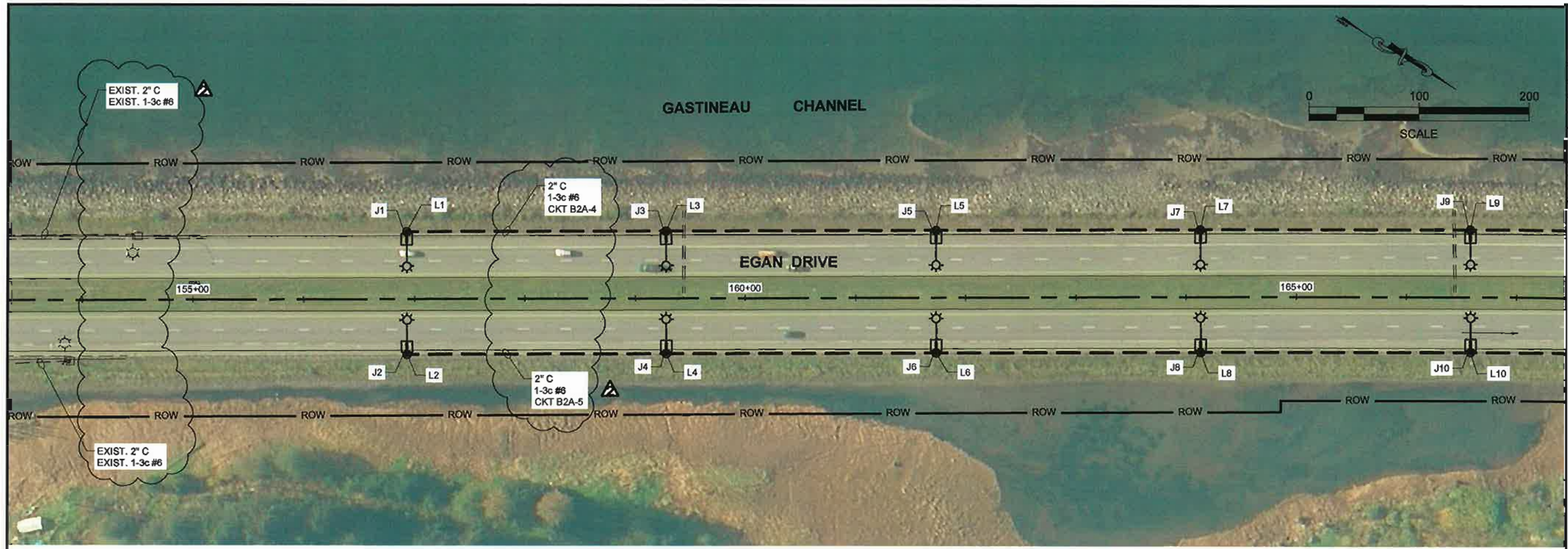
PE *[Signature]* Date 3-23-14

RECORD DRAWING

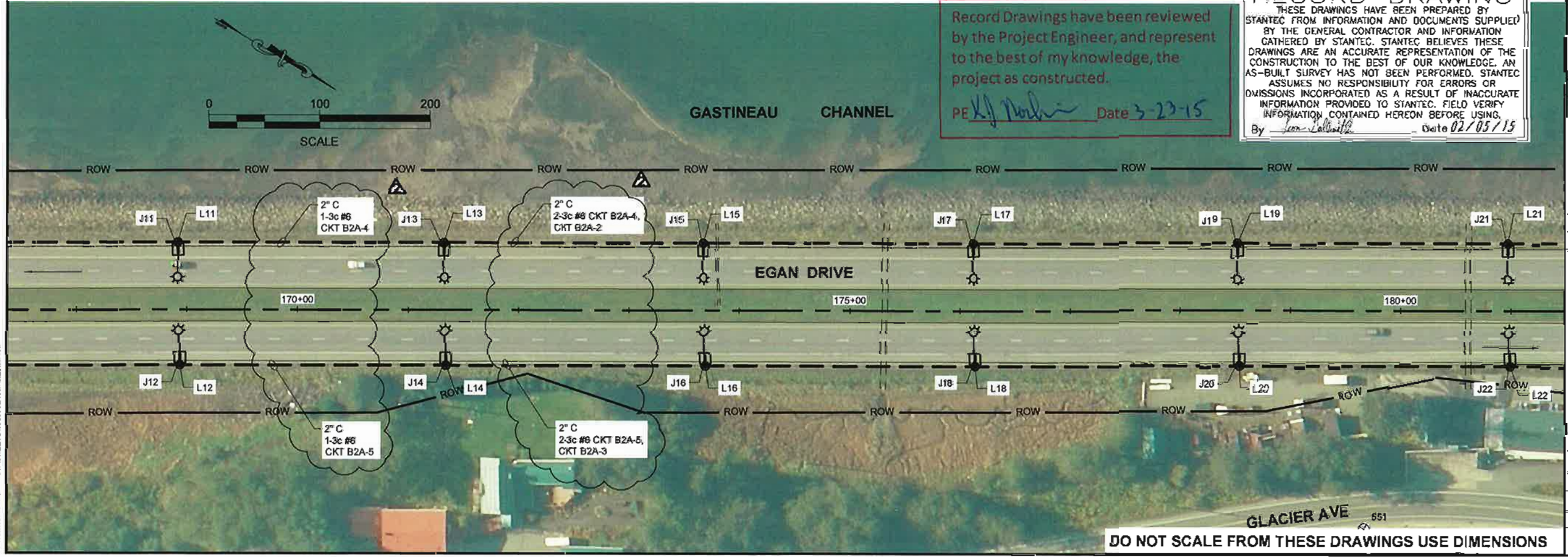
THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.

By *[Signature]* Date 02/05/15

PATH: I:\1353702\DWGS\C\SHETS\1353702-H SHEETS.DWG



CONTROL LINE IS FOR GRAPHICAL REFERENCE ONLY, SEE SHEET H1



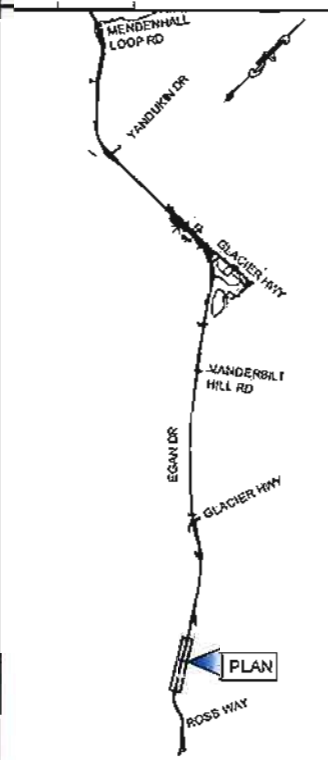
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PREPARED BY: USKH
 JORDAN HALL
 5 January 2014
 TAB: H2

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	1/8/14	NEW LC B2 & NEW LC J



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

PE *K.J. [Signature]* Date 3-23-15

RECORD DRAWING

THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.

By *[Signature]* Date 02/05/15

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HOALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTH-EAST REGION

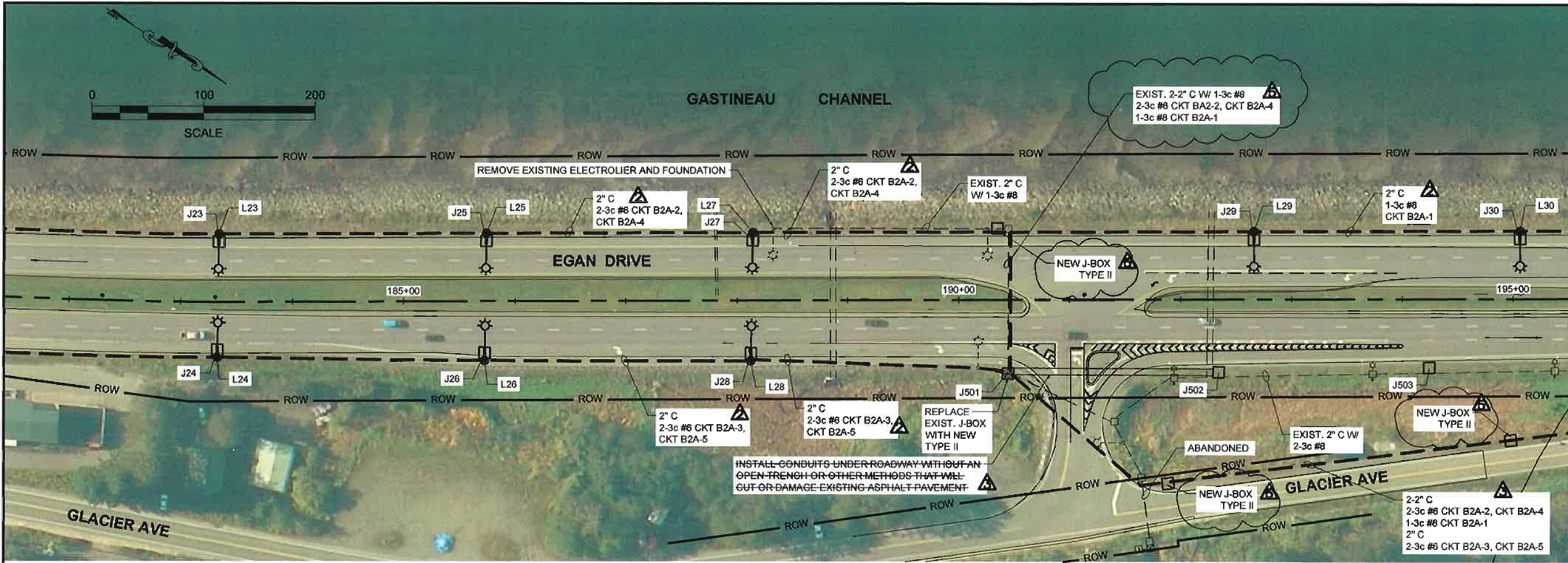
JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

**EGAN DRIVE
 PLAN VIEW**

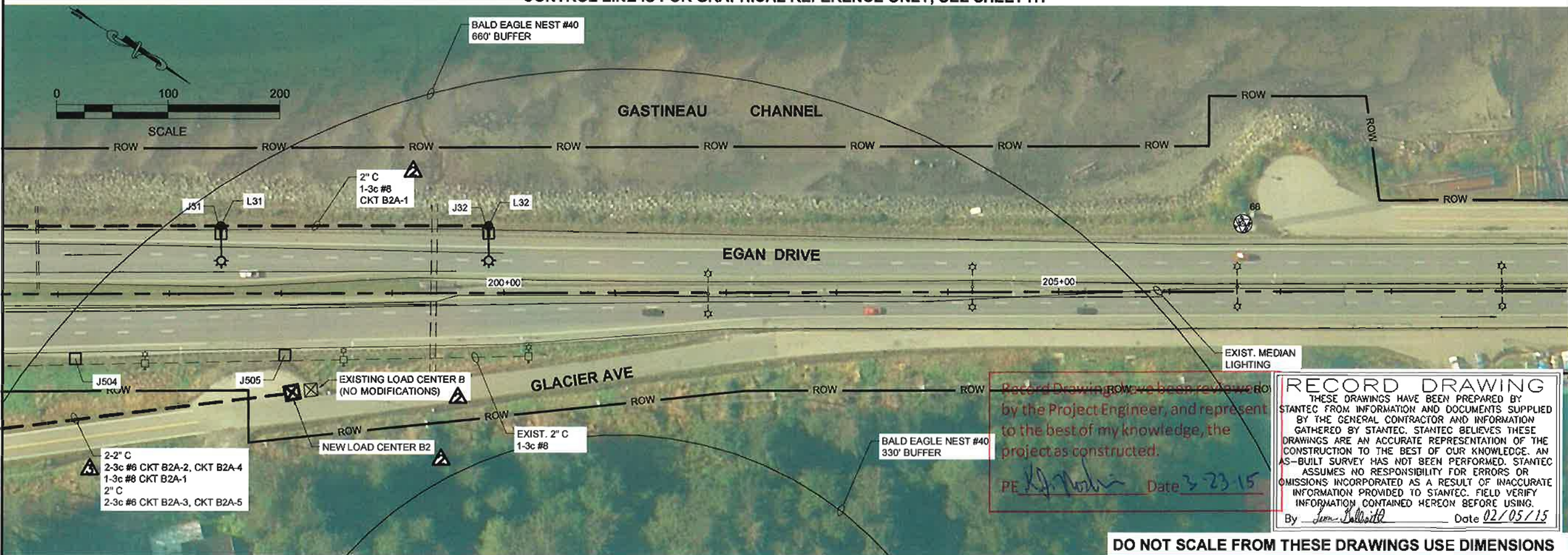
PROJECT DESIGNATION
674021EBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H2	51

PATH: \\141.68.70.21\DRG\B2\SUBSHEETS\H2\H2-SHEETS.DWG



CONTROL LINE IS FOR GRAPHICAL REFERENCE ONLY, SEE SHEET H1



Record Drawing has been reviewed by the Project Engineer, and represents to the best of my knowledge, the project as constructed.

PE *[Signature]* Date 3-23-15

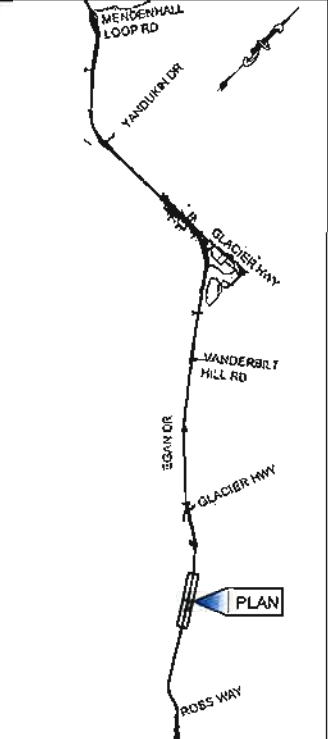
RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.

By *[Signature]* Date 02/05/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

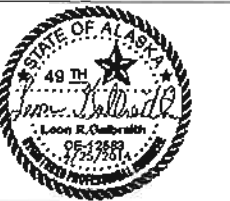
PREPARED BY: USKH
 HALL, JORDAN
 19 February 2015
 TAB: H3

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	1/06/14	NEW LG B2 & NEW LG J
2	3/3/14	MOVE CONDUIT LOCATION LG B2
3	2/5/15	ASBUILT



PLAN LEGEND

CHECKED BY: W. WEBB



DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

**EGAN DRIVE
 PLAN VIEW**

PROJECT DESIGNATION	
67402 EBL-0932(050)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H3	51

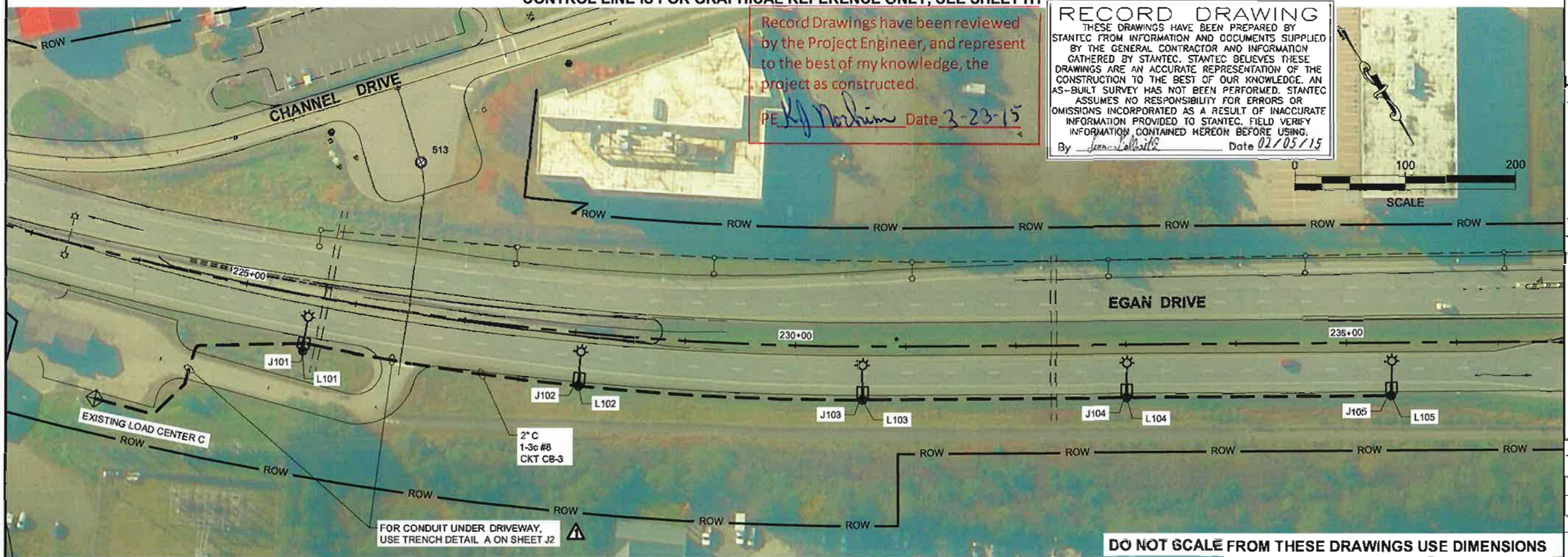
PATH: U:\2014\0821\110W05\CS\SHEETS\13.63702-X SHEETS.DWG



CONTROL LINE IS FOR GRAPHICAL REFERENCE ONLY, SEE SHEET H1

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 3-23-15

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *Jean Lallouette* Date 02/05/15

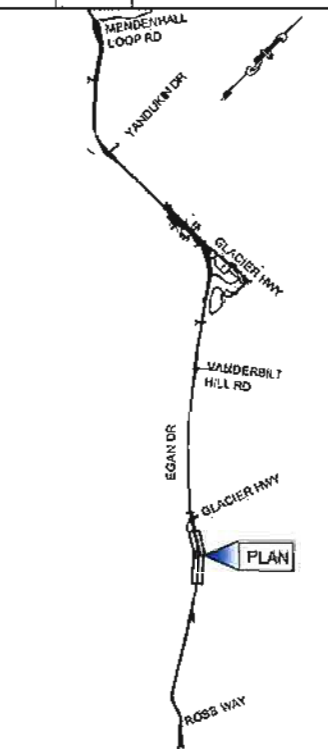


FOR CONDUIT UNDER DRIVEWAY, USE TRENCH DETAIL A ON SHEET J2

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PREPARED BY: USKH
 BILL PADDOCK
 21 June 2013
 TAB: H4

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	02/11/13	ADD LEADER



PLAN LEGEND

CHECKED BY: W. WEBB



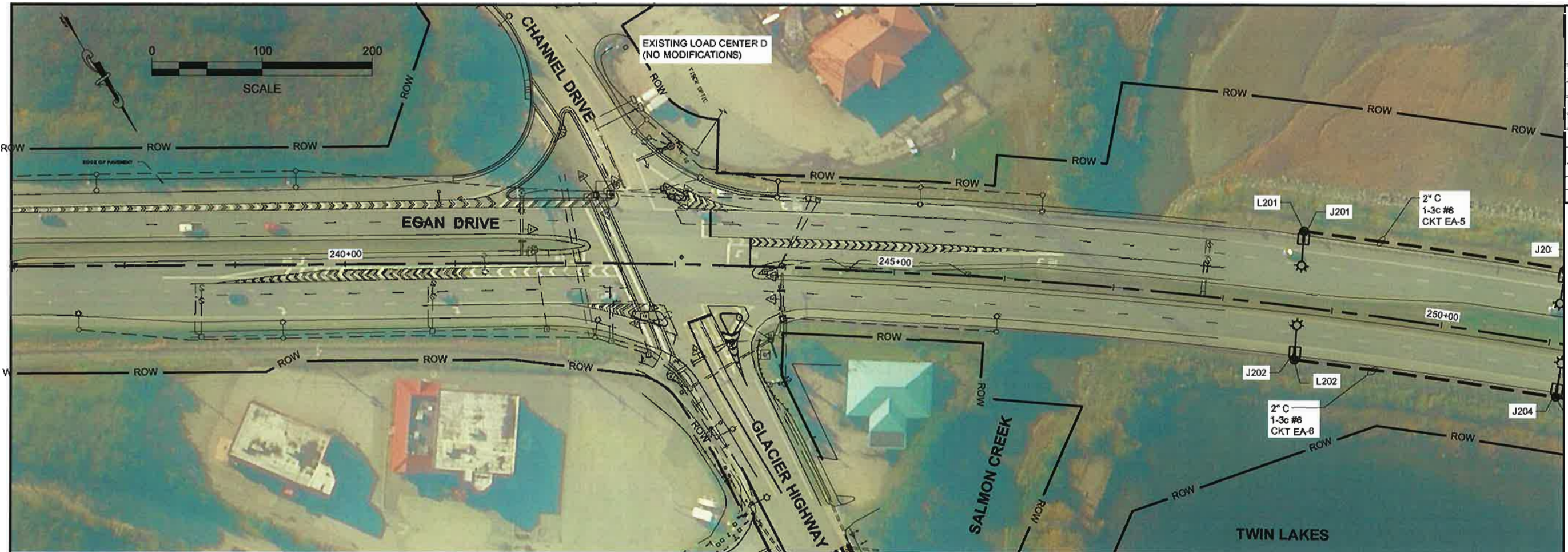
DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

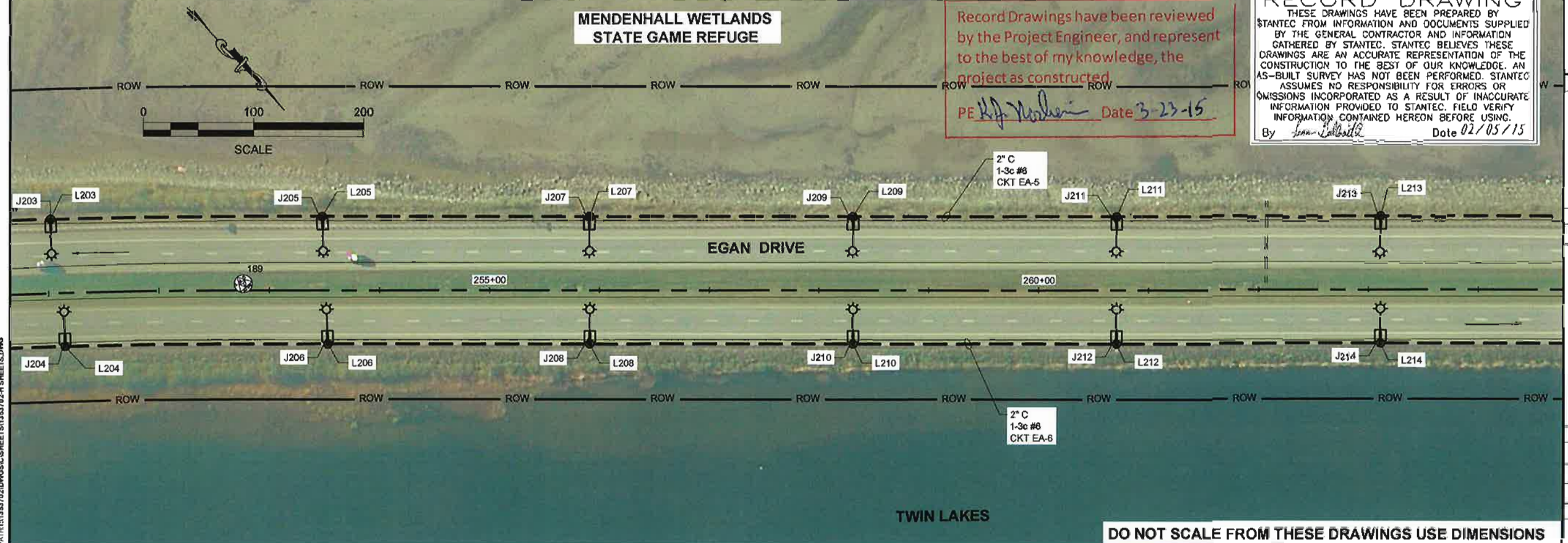
**EGAN DRIVE
 PLAN VIEW**

PROJECT DESIGNATION	
674021EBL-0932(050)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H4	51

PATH:1113517021DWG\GIS\1351702-H SHEETS.DWG



CONTROL LINE IS FOR GRAPHICAL REFERENCE ONLY, SEE SHEET H1



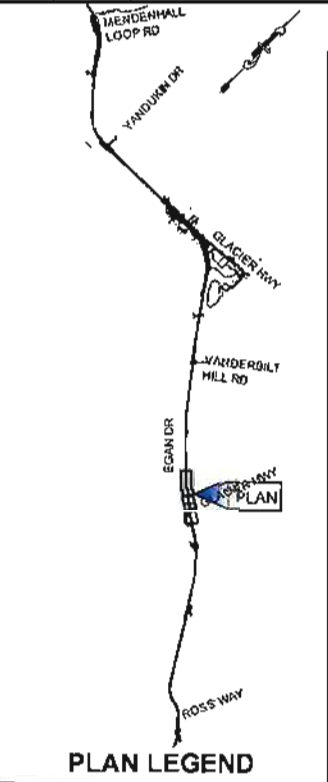
MENDENHALL WETLANDS
STATE GAME REFUGE

Record Drawings have been reviewed
by the Project Engineer, and represent
to the best of my knowledge, the
project as constructed.
PE *[Signature]* Date 3-23-15

RECORD DRAWING
THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
By *[Signature]* Date 02/05/15

PREPARED BY: USKH
JORDAN HALL
6 June 2013
TAB: H5

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKER: W. WEBB

DESIGNED BY: L. CALDWAY
DRAWN BY: M. HOALGO
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION
JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

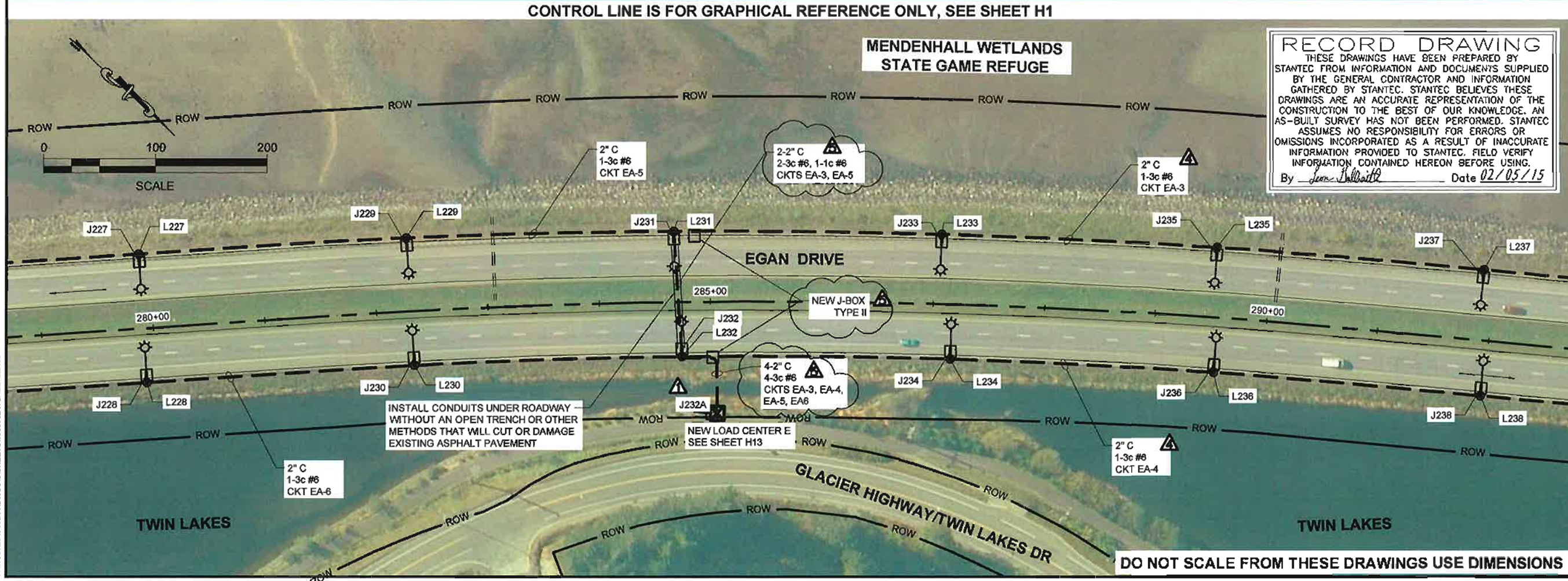
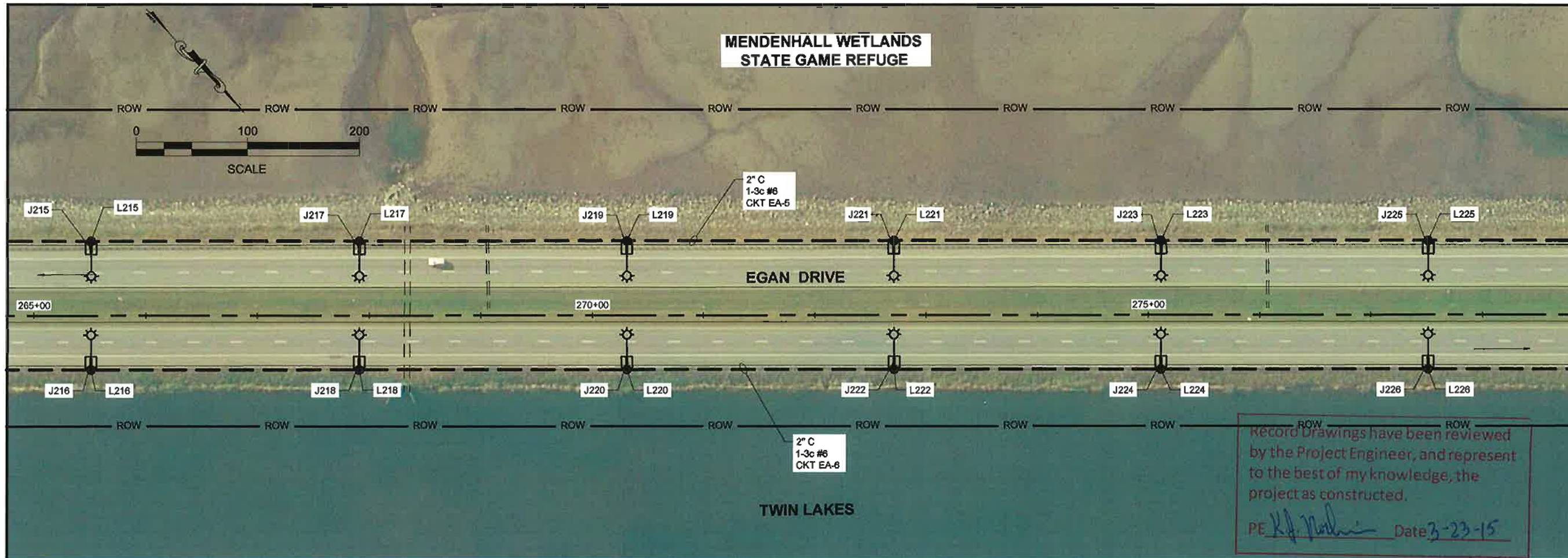
**EGAN DRIVE
PLAN VIEW**

PROJECT DESIGNATION:
674021EEL-0932(060)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H5	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:\135702\DWG\CS\135702-H SHEETS.DWG



**MENDENHALL WETLANDS
STATE GAME REFUGE**

**MENDENHALL WETLANDS
STATE GAME REFUGE**

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 3-23-15

RECORD DRAWING
THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
By *[Signature]* Date 02/05/15

PREPARED BY: USKH
HALL, JORDAN
19 February 2015
TAB: H6

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	02/13	ADJUST CIRCUIT, CABLE, BOX, WELDOE
2	4/29/14	EXTEND CKTS EA-3&EA-4
3	2/5/15	ASBUILT

PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRATH
DRAWN BY: M. HIDALGO

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

**JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION**

**EGAN DRIVE
PLAN VIEW**

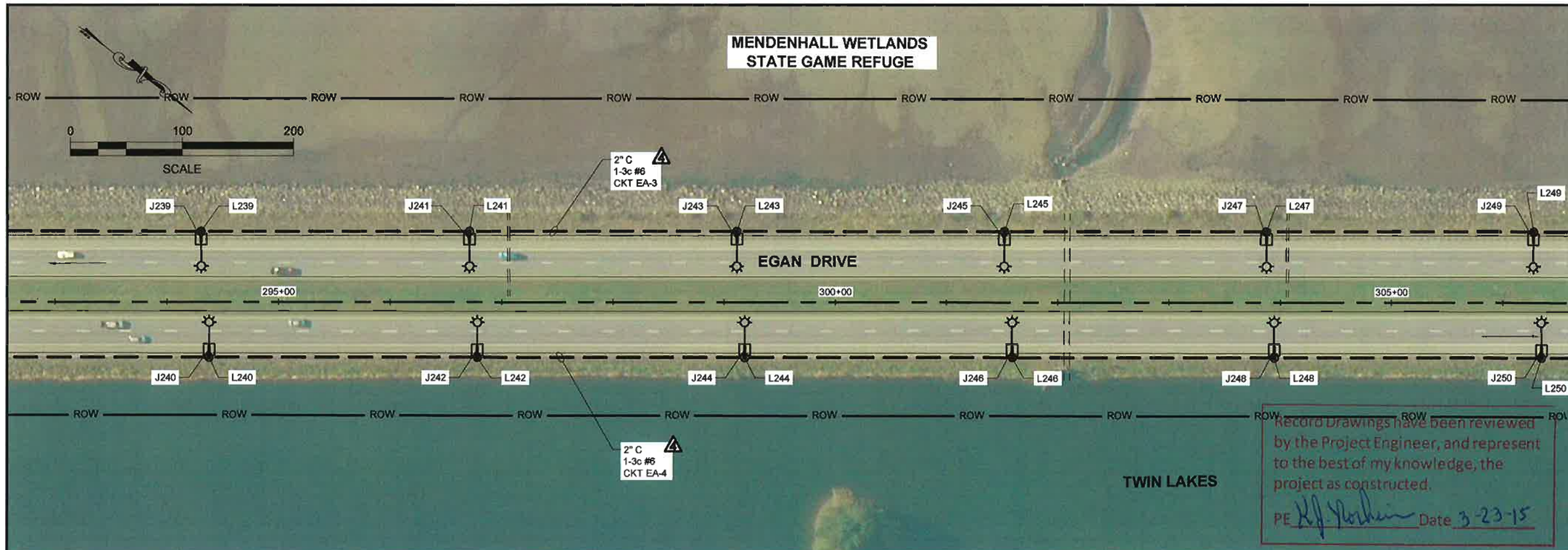
PROJECT DESIGNATION
67402|EBL-0932(050)

STATE	YEAR
ALASKA	2013

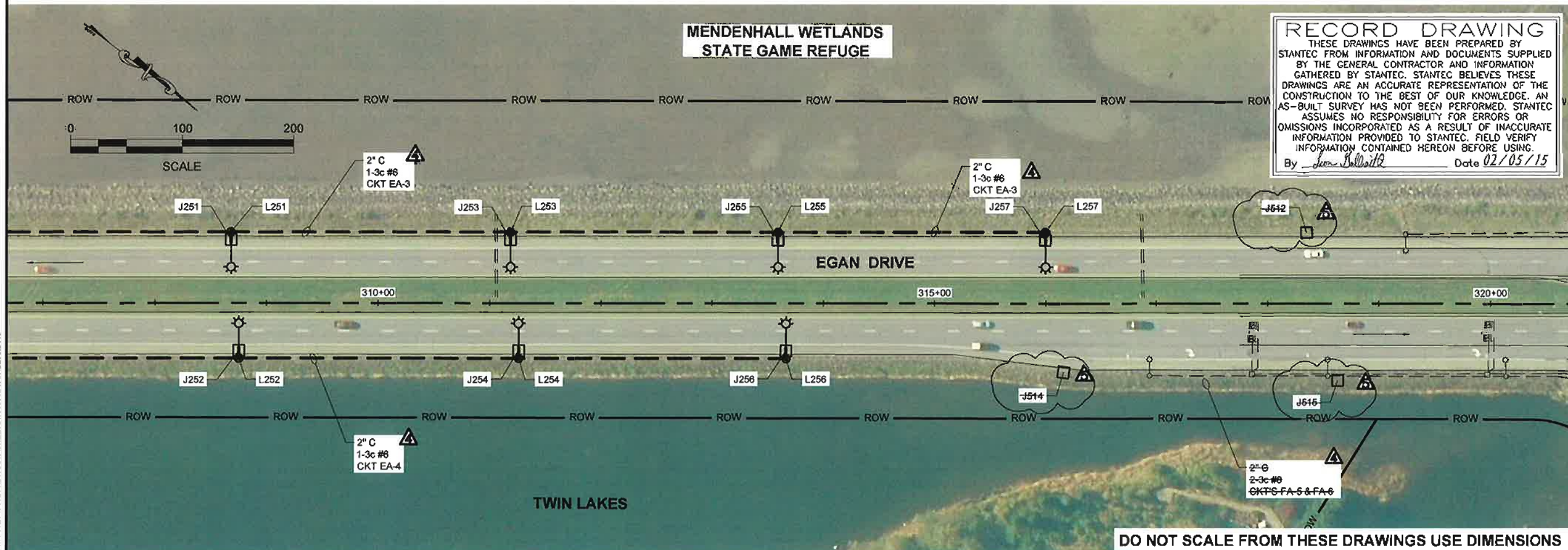
SHEET NUMBER	TOTAL SHEETS
H6	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2047\0211\DWGS\CS\13\13702-H SHEETS.DWG



CONTROL LINE IS FOR GRAPHICAL REFERENCE ONLY, SEE SHEET H1



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PREPARED BY: USKH
HALL, JORDAN
18 February 2015
TAB: H7

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	3/3/14	MOVE EGAN CROSSING LOCATION
2	4/25/14	EXTEND CKTS EA-3 & EA-4
3	2/5/15	ASBUILT

PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRATH

DRAWN BY: M. HIDALGO

STATE OF ALASKA
48 TH
Leon R. Galbrath
CE-12583
1/25/2014
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

EGAN DRIVE
PLAN VIEW

PROJECT DESIGNATION
67402\EBL-0932(050)

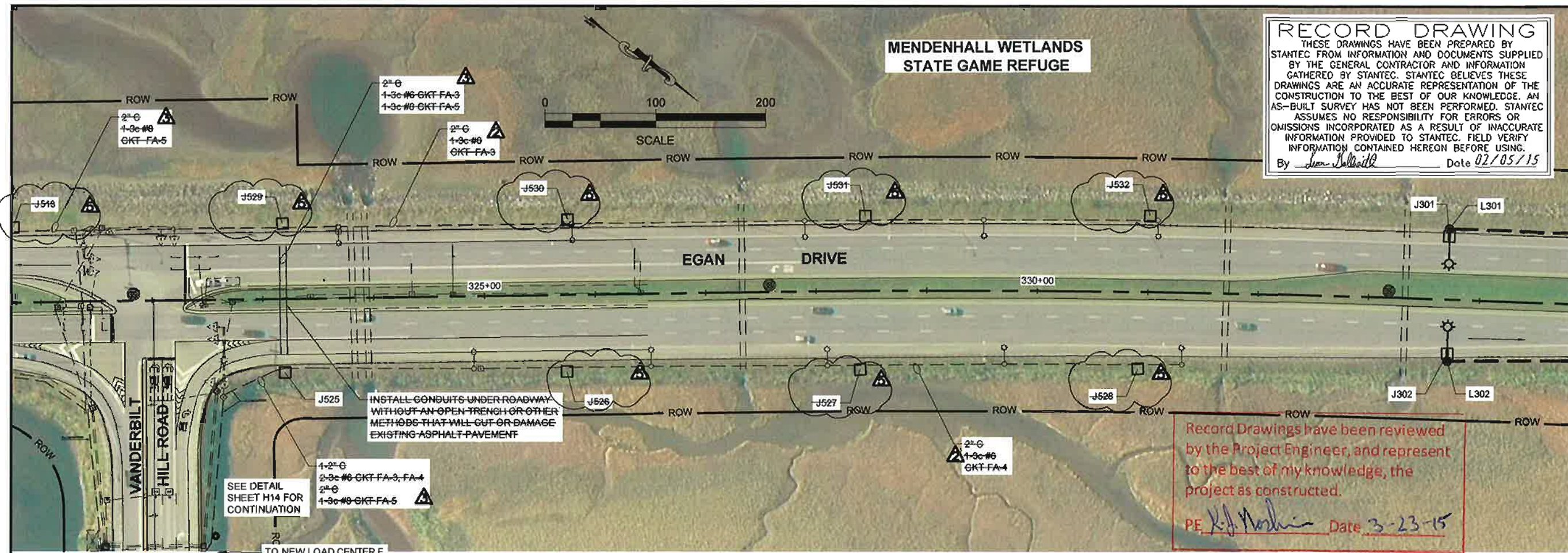
STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
H7	51

RECORD DRAWING
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By: *Leon Galbrath* Date: 02/05/15

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE: *K.J. Parker* Date: 3-23-15

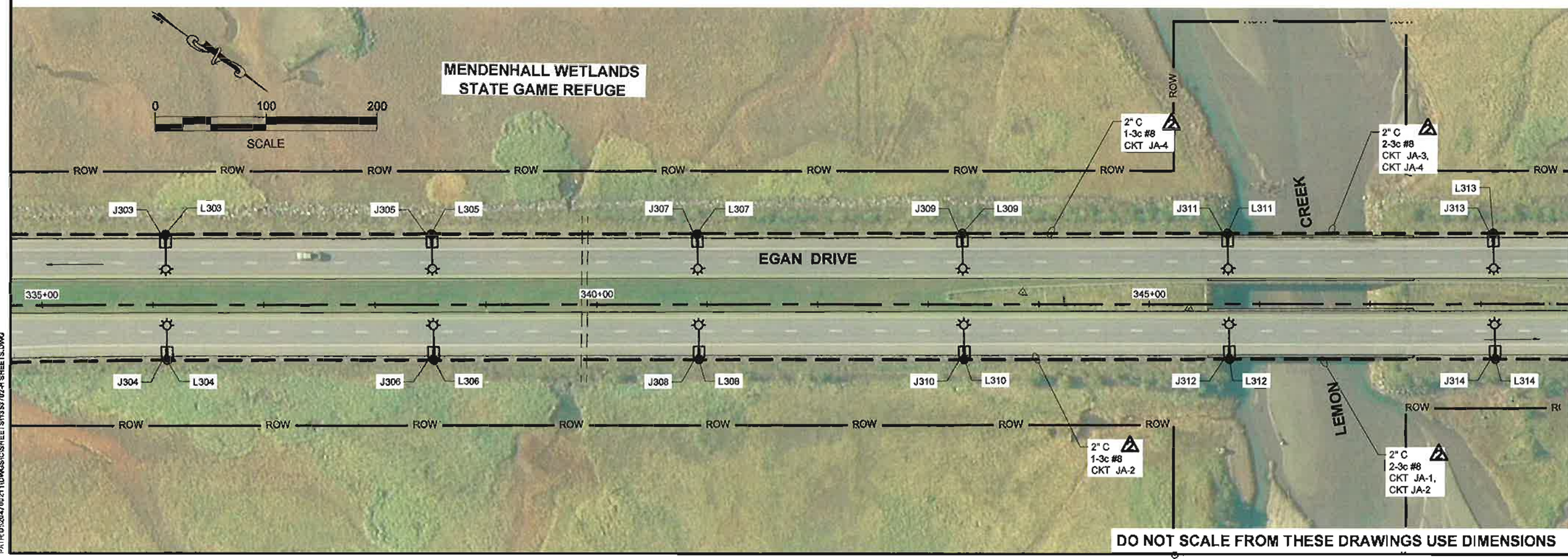
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 By *Leon Galbraith* Date *02/05/15*

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *R. J. Nishin* Date *3-23-15*

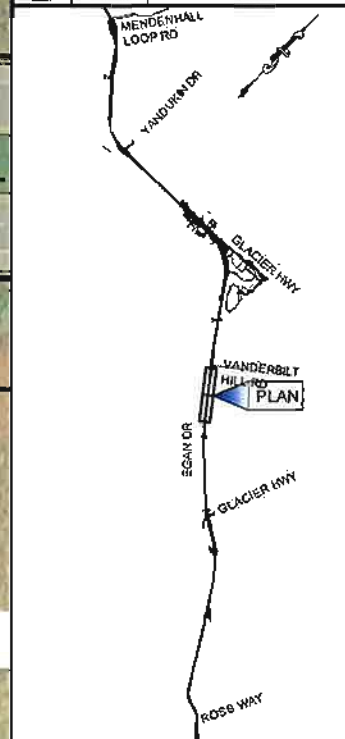
CONTROL LINE IS FOR GRAPHICAL REFERENCE ONLY, SEE SHEET H1



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PREPARED BY: USKH
 HALL, JORDAN
 19 February 2016
 TAD: H8

RECORD OF REVISIONS		
No	DATE	DESCRIPTION
1	1/08/14	NEW LC B2 & NEW LC J
2	3/31/14	MOVE EGAN CROSSING LOCATION
3	2/5/15	ASBUILT



PLAN LEGEND

CHECKED BY: W. WEBB



DESIGNED BY: L. GALBRAITH

DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

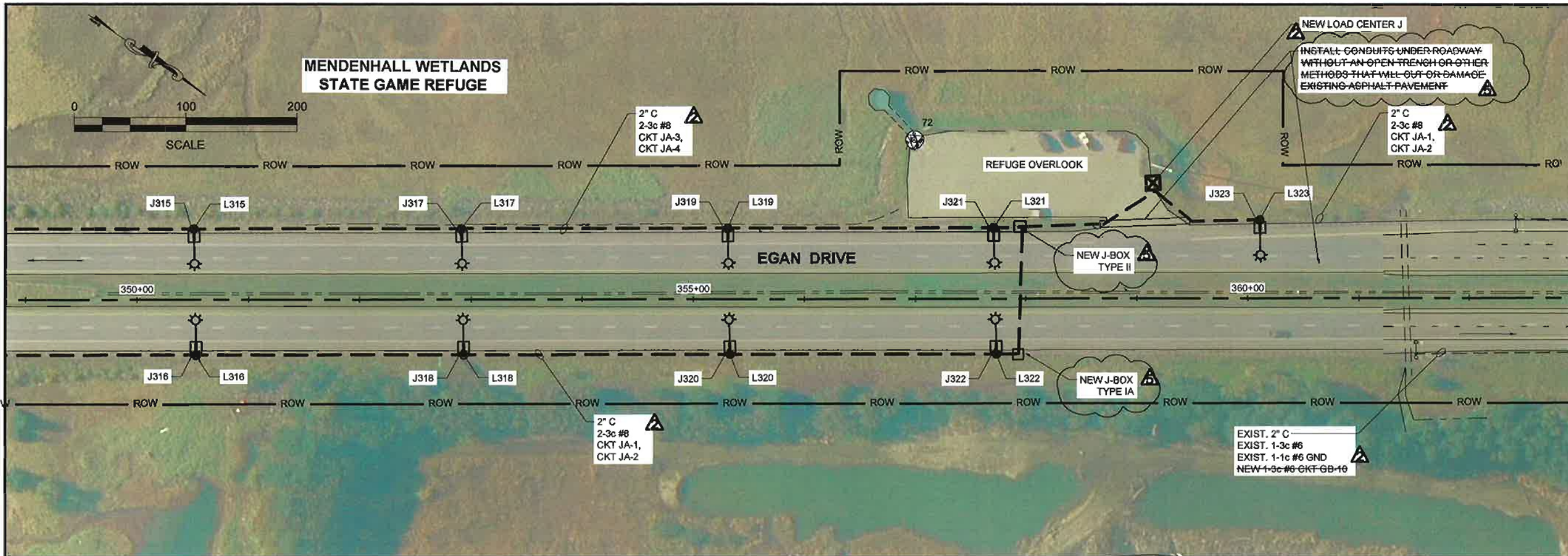
JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

**EGAN DRIVE
 PLAN VIEW**

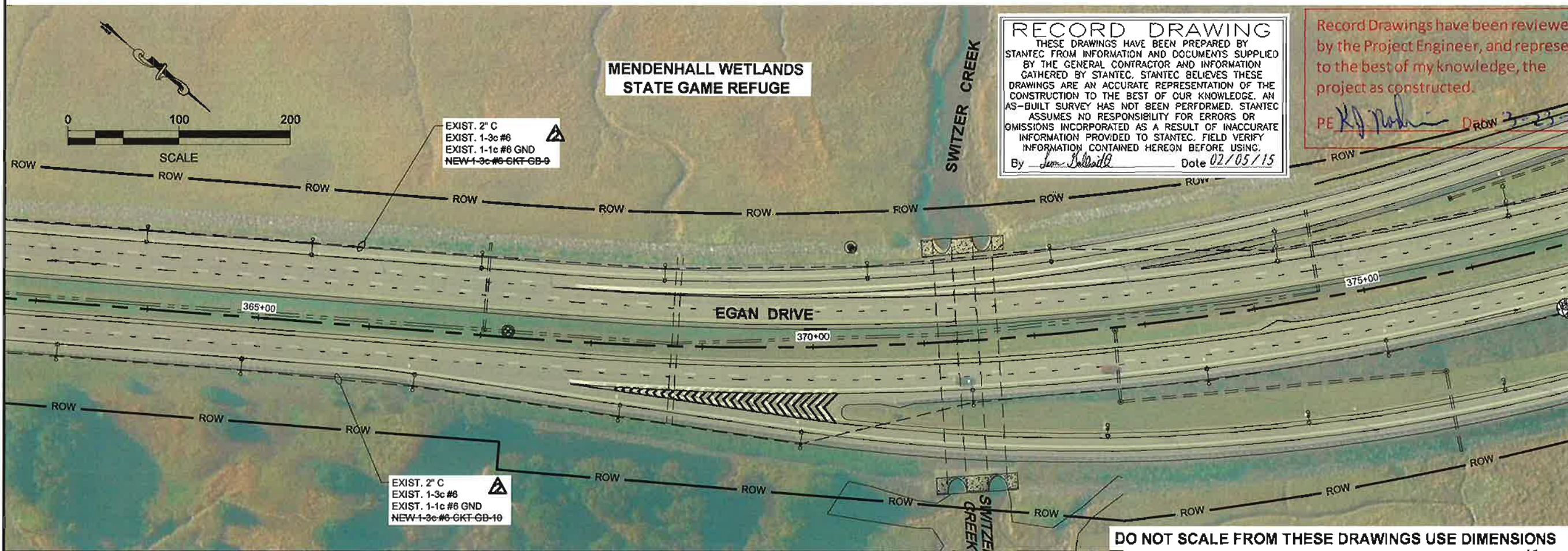
PROJECT DESIGNATION
674021EBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H8	51

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CONTROL LINE IS FOR GRAPHICAL REFERENCE ONLY, SEE SHEET H1

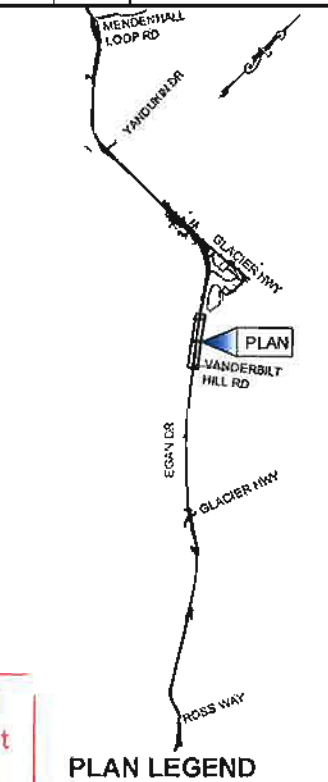


RECORD DRAWING
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 By *Leon Galbraith* Date *02/05/15*

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *Kj Rohrer* Draw *3-23-15*

PREPARED BY: USKH
 HALL, JORDAN
 19 February 2016
 TAB: H9

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	1/09/14	NEW LC B2 & NEW LC J
2	2/9/15	AS-BUILT



CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO
 STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTH-EAST REGION
 JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

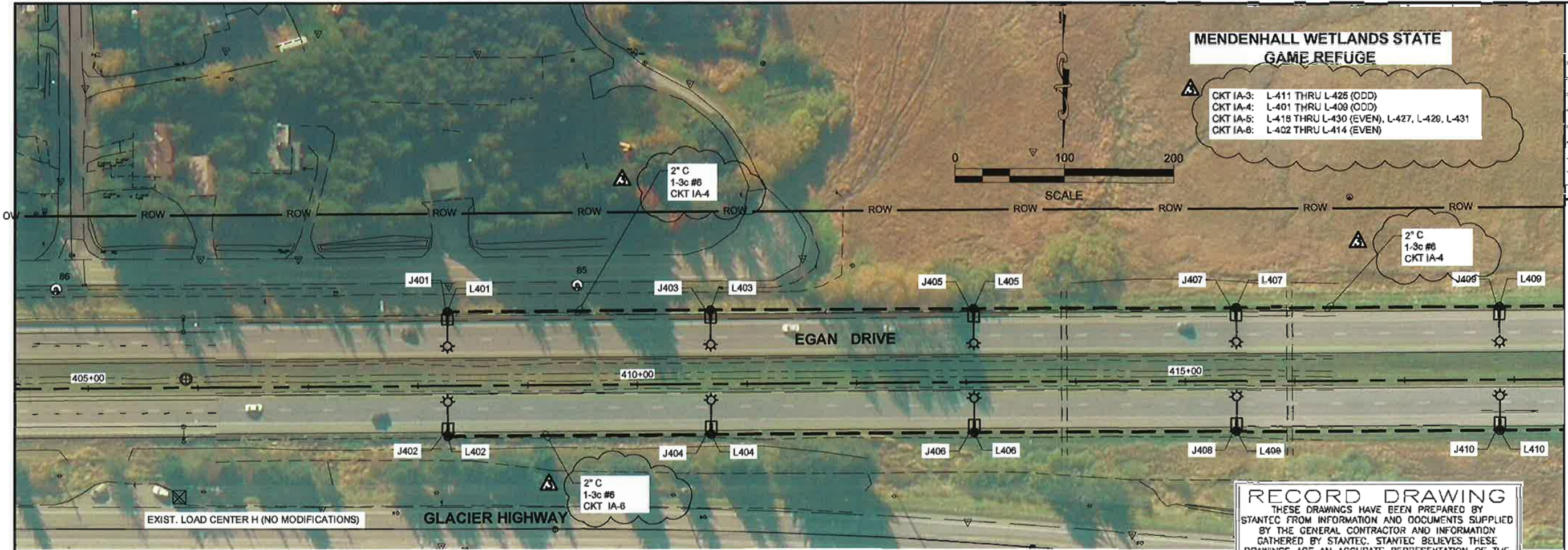
EGAN DRIVE PLAN VIEW

PROJECT DESIGNATION
67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H9	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: U:\2014\700211\DWG\CS\13\13702-H SHEETS.DWG



CONTROL LINE IS FOR GRAPHICAL REFERENCE ONLY, SEE SHEET H1

MENDENHALL WETLANDS STATE GAME REFUGE

CKT IA-3: L-411 THRU L-425 (ODD)
 CKT IA-4: L-401 THRU L-409 (ODD)
 CKT IA-5: L-418 THRU L-430 (EVEN), L-427, L-428, L-431
 CKT IA-6: L-402 THRU L-414 (EVEN)



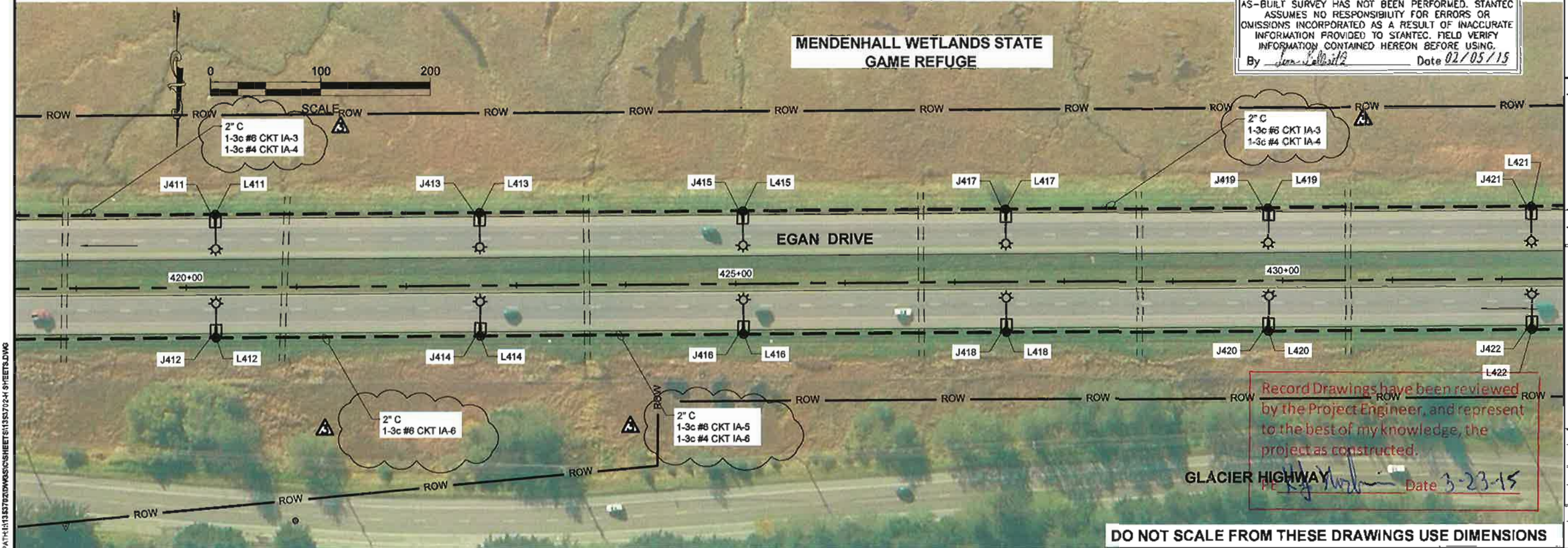
SCALE

RECORD DRAWING

THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.

By *Leon Galbraith* Date *02/05/15*

MENDENHALL WETLANDS STATE GAME REFUGE



SCALE

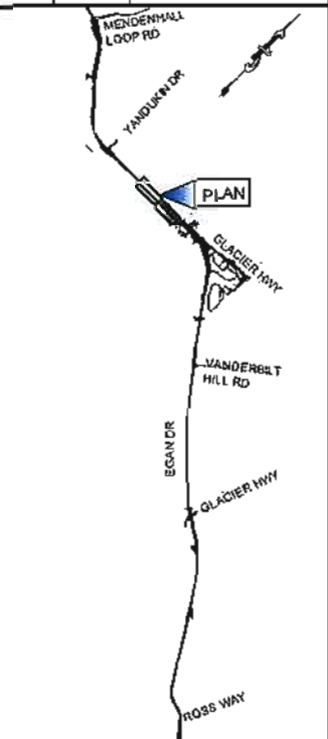
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

Leon Galbraith Date *3-23-15*

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PREPARED BY: USQH
 JORDAN HALL
 3 March 2014
 TAB: H11

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
NO	DATE	DESCRIPTION
1	12/14	ADD #4 AND TO LG1 ORG123
2	3/3/14	UPDATE LG1 ORG123



PLAN LEGEND

CHECKED BY: W. WEBB



DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

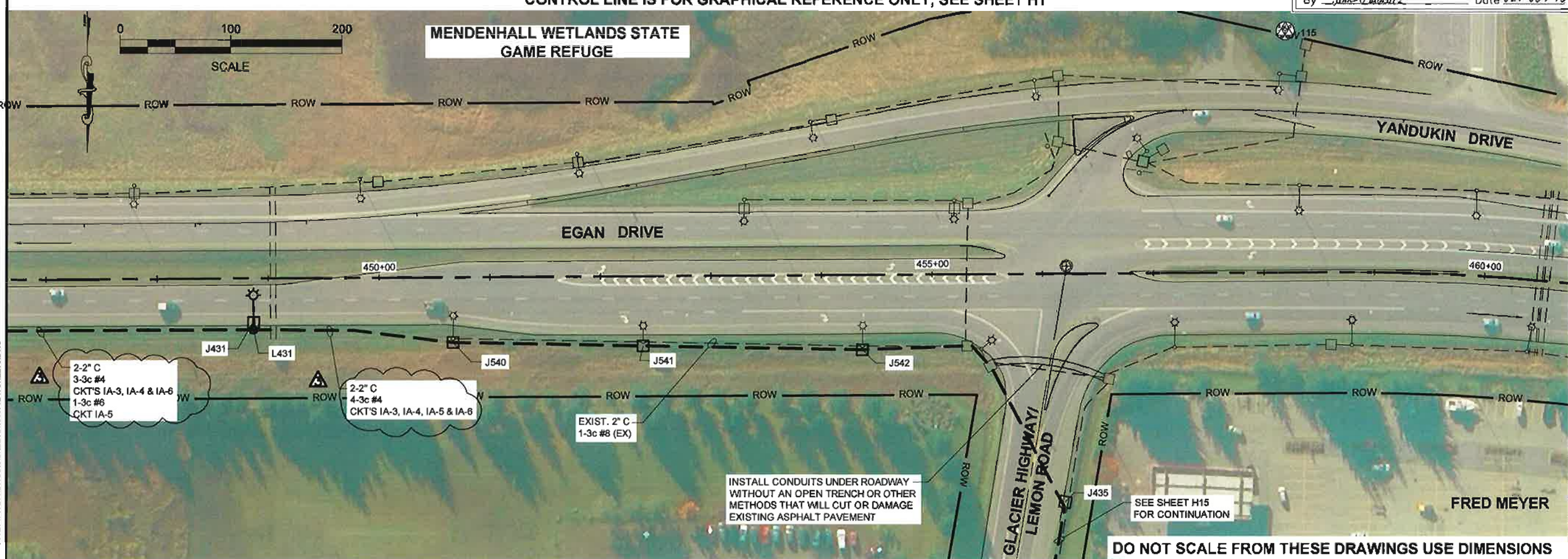
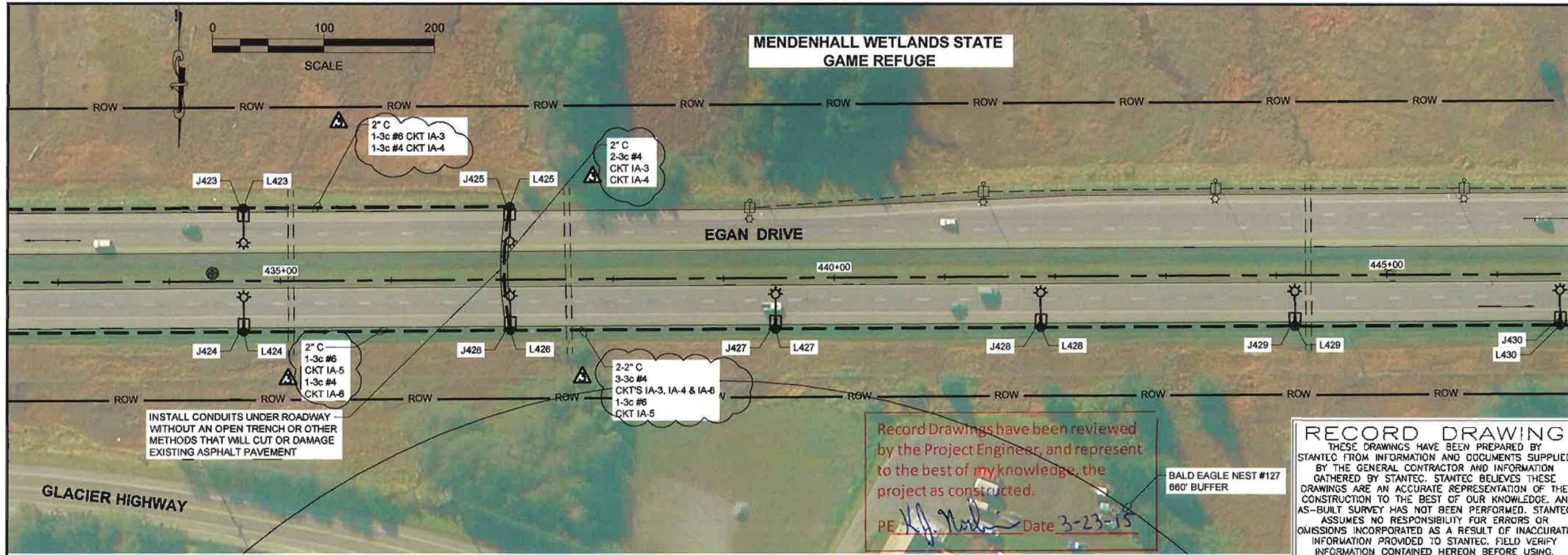
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

EGAN DRIVE PLAN VIEW

PROJECT DESIGNATION	
674021EBL-0932(050)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H11	51

PATH:H:\131572\WORKSHEETS\131572\14 SHEETS.DWG



PREPARED BY: USKH
HALL, JORDAN
18 February 2015
TAB: H12

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	12/1/14	ADD #4 and TO LC1
2	3/2/15	UPDATE LC1 CKT'S

PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRATH
DRAWN BY: M. HIDALGO

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

EGAN DRIVE PLAN VIEW

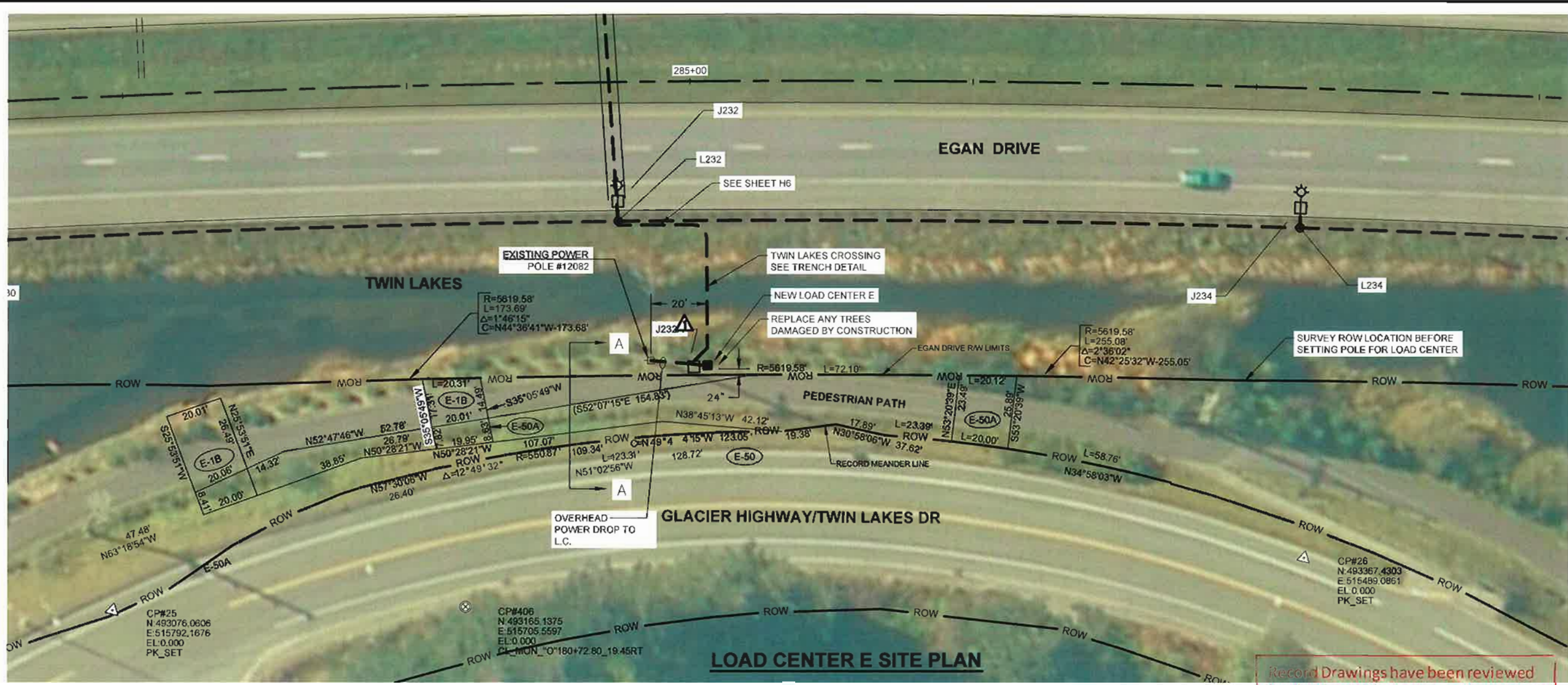
PROJECT DESIGNATION
67402\EBL-0932(050)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
H12	51

PA1K-U2847-00211DWGSD\ICISHEETS\13\53702-H SHEETS.DWG

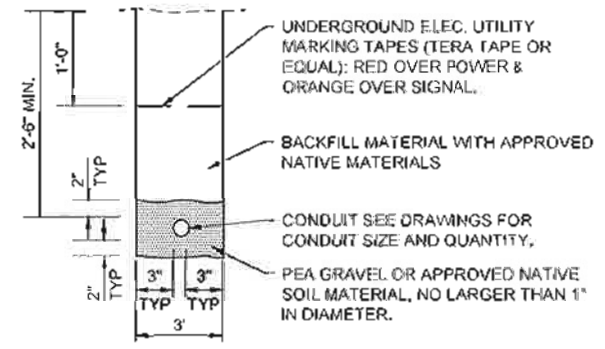
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS



LOAD CENTER E SITE PLAN

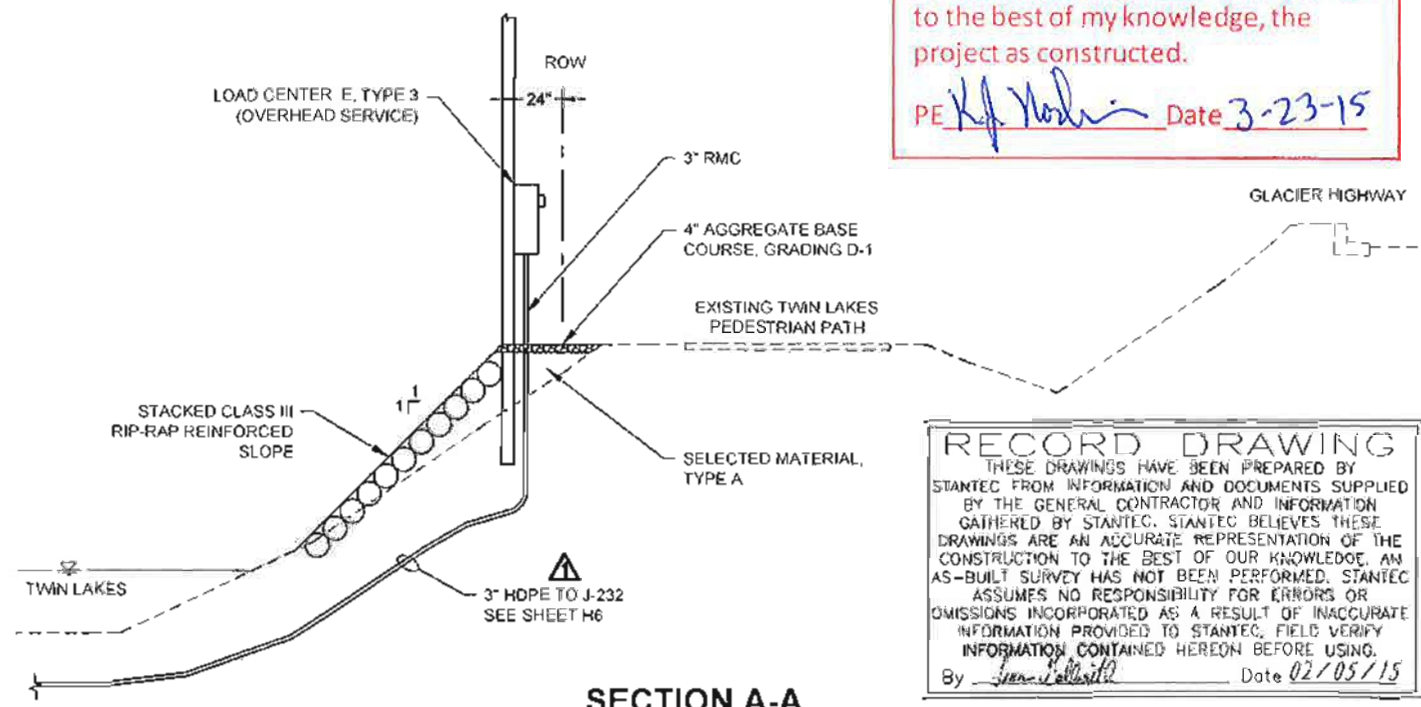
CONTROL LINE IS FOR GRAPHICAL REFERENCE ONLY, SEE SHEET H1

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *K. J. Maden* Date 3-23-15



- NOTE:
- SEE PERMITS FOR ADDITIONAL REQUIREMENTS.
 - ALL DIMENSIONS ARE MINIMUM.

**TRENCH DETAIL
TWIN LAKES CROSSING**



SECTION A-A
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 02/05/15

PREPARED BY: USKH
 WILL WEBB
 7 June 2013
 TAB. H13

ADDENDUM NUMBER _____
 ATTACHMENT NUMBER _____

RECORD OF REVISIONS

No.	DATE	DESCRIPTION
1	6/7/13	ADJUST CONDUIT, CABLE, BOX HEAR LOG E

PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

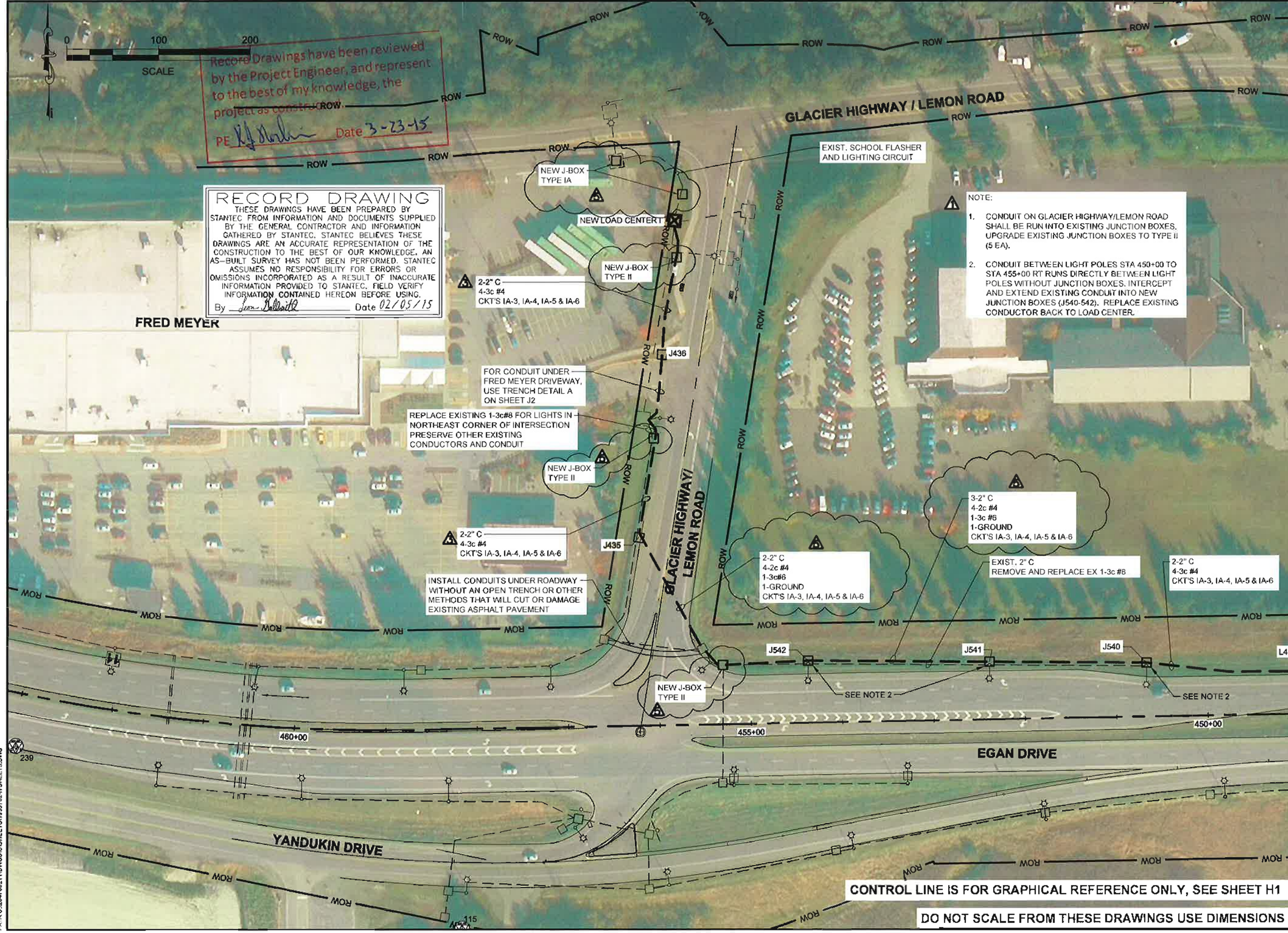
**JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION**

**LOAD CENTER E
DETAIL**

PROJECT DESIGNATION
67402\EBL-0932(050)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
H13	51



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3-23-15

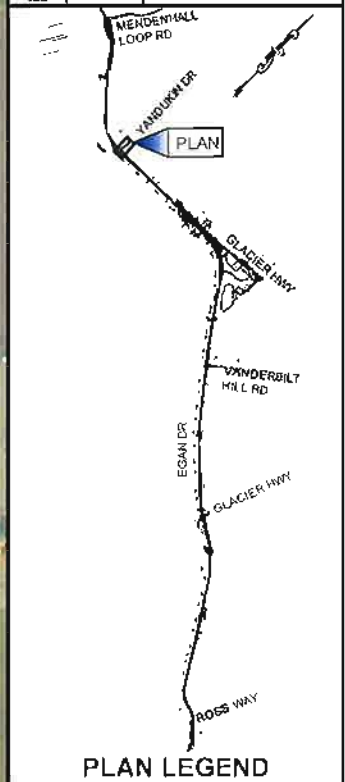
RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 02/05/15

NOTE:

1. CONDUIT ON GLACIER HIGHWAY/LEMON ROAD SHALL BE RUN INTO EXISTING JUNCTION BOXES. UPGRADE EXISTING JUNCTION BOXES TO TYPE II (5 EA).
2. CONDUIT BETWEEN LIGHT POLES STA 455+00 TO STA 455+00 RT RUNS DIRECTLY BETWEEN LIGHT POLES WITHOUT JUNCTION BOXES. INTERCEPT AND EXTEND EXISTING CONDUIT INTO NEW JUNCTION BOXES (J540-542). REPLACE EXISTING CONDUCTOR BACK TO LOAD CENTER.

PREPARED BY: USKH
 HALL, JORDAN
 19 February 2015
 TAB: H15

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	01/13	EDIT NOTES: TIE INTO EXISTING CONDUIT
2	3/14	EDIT L.C. I C.K.T'S FROM I2 TO I4
3	2/5/15	AS BUILT



CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

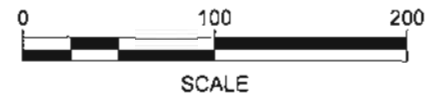
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

**LOAD CENTER I
 DETAIL**

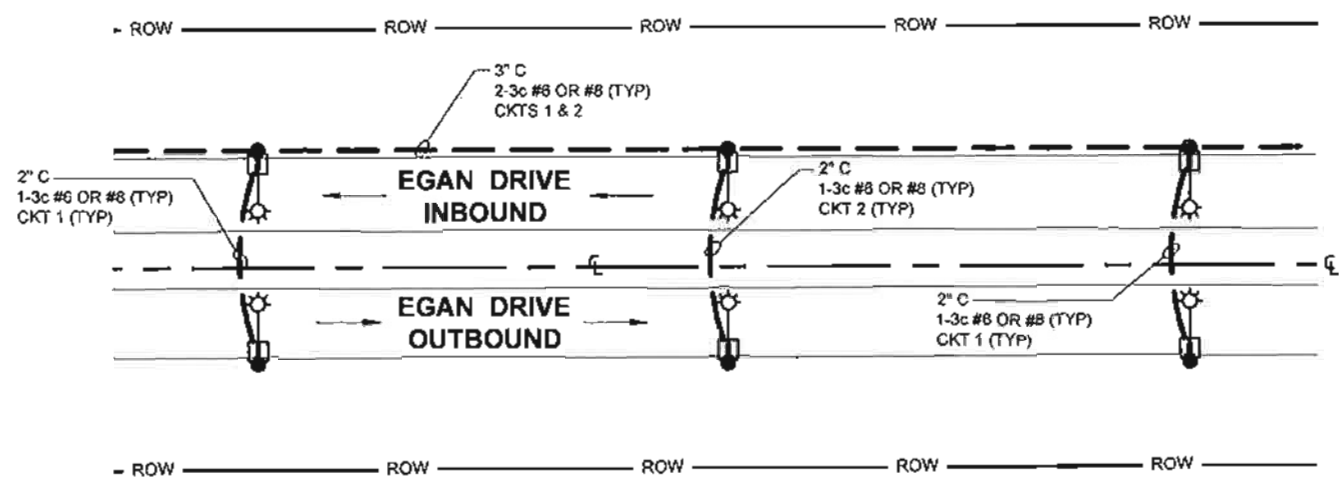
PROJECT DESIGNATION
 67402\EBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
H15	51

PATK U:\2014\0211\DWG\C\0\SHEETS\1353702-H SHEETS.DWG



GASTINEAU CHANNEL



▲ OPTIONAL CONDUIT ROUTING DETAIL

STA. 155+00 TO STA. 200+00 (L1 TO L32)
 STA. 248+00 TO STA. 317+00 (L201 TO L257)

OPTIONAL CONDUIT ROUTING DETAIL NOTES

1. CONTRACTOR MAY USE OPTIONAL CONDUIT ROUTING DETAILED ON THIS SHEET IN PLACE OF ORIGINAL DESIGN. CONTRACTOR SHALL PROVIDE MARKUP OF PROPOSED CONDUIT AND CIRCUIT ROUTING FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION. NO ADDITIONAL PAYMENT FOR LUMP SUM ITEMS WILL BE MADE AS A RESULT OF USING THIS OPTIONAL ROUTING.
2. CIRCUITING SHALL ALTERNATE BETWEEN SETS OF LIGHT POLES AS SHOWN ABOVE. A THREE WAY SPLICE SHALL BE MADE IN THE POLE BASE FOR THE SINGLE ROAD CROSSING CONDUCTOR.
3. INSTALL 3 INCH CONDUIT BETWEEN JUNCTION BOX AND ADJACENT ELECTROLIER WHEN 3 CABLES ARE REQUIRED.
4. CONDUIT CROSSING ROADS SHALL BE BORED OR JACKED IN PLACE. TRENCHING ACROSS ROADS WILL NOT BE ALLOWED.
5. SEE 680-3.11 OF THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS.

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 3-23-15

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *[Signature]* Date 02/05/15

PREPARED BY: USKH
 WILL WEBB
 7 June 2013
 TAB: J1

ADDENDUM NUMBER _____

ATTACHMENT NUMBER _____

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	8/7/13	EDIT NOTES, CONDUIT TYPE

PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

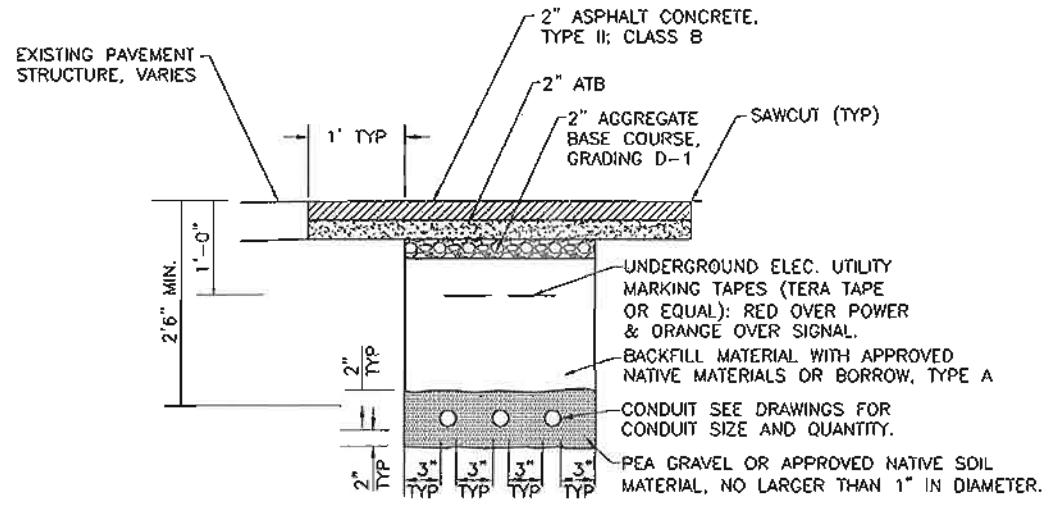
OPTIONAL CONDUIT ROUTING DETAIL

PROJECT DESIGNATION
67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
J1	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

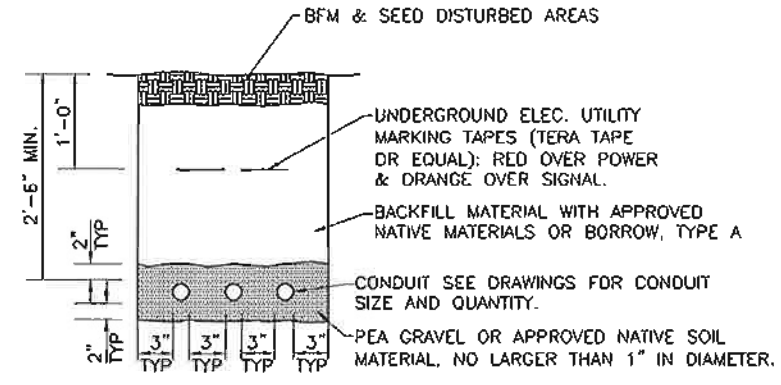
P:\P\11145872\04WG\SIGS\HEETS\1133702-J1.DWG



NOTE:
 1. ALL DIMENSIONS ARE MINIMUM
 2. AC PAVEMENT MAY BE SUBSTITUTED FOR ATB

A TRENCH DETAIL - PAVED AREAS

STA. 224+25 - SALMON CREEK
 STA. 457+00 - FRED MEYER DRIVEWAY
 NO SCALE



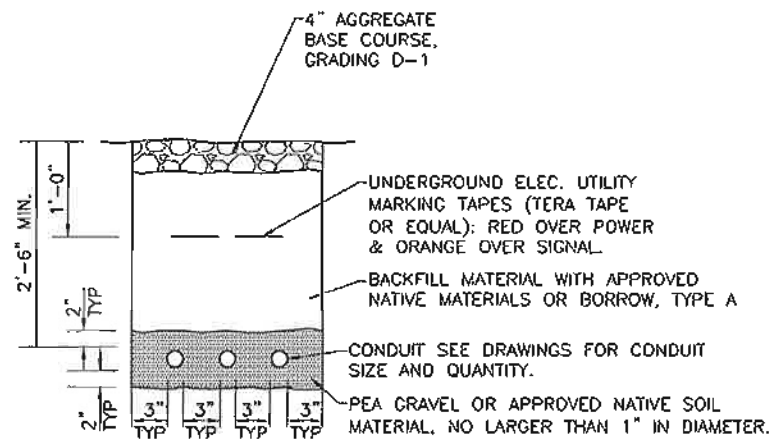
NOTE:
 1. ALL DIMENSIONS ARE MINIMUM.

B TRENCH DETAIL - NON-PAVED AREAS

NO SCALE

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *K.J. Nishen* Date 3-23-15

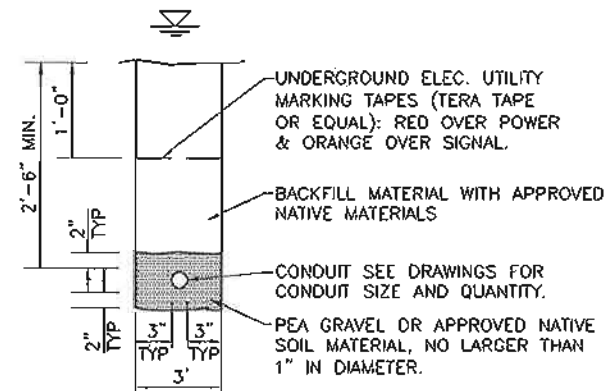
NOTE:
 1. COMPACTION IN TRENCHES A THRU C SHALL BE 95%.
 2. TRENCHES BEHIND GUARDRAIL SHALL NOT BE LEFT OPEN OVERNIGHT.



NOTE:
 1. ALL DIMENSIONS ARE MINIMUM.

C TRENCH DETAIL - GRAVEL SHOULDER

NO SCALE



NOTE:
 1. SEE PERMITS FOR ADDITIONAL REQUIREMENTS.
 2. ALL DIMENSIONS ARE MINIMUM.

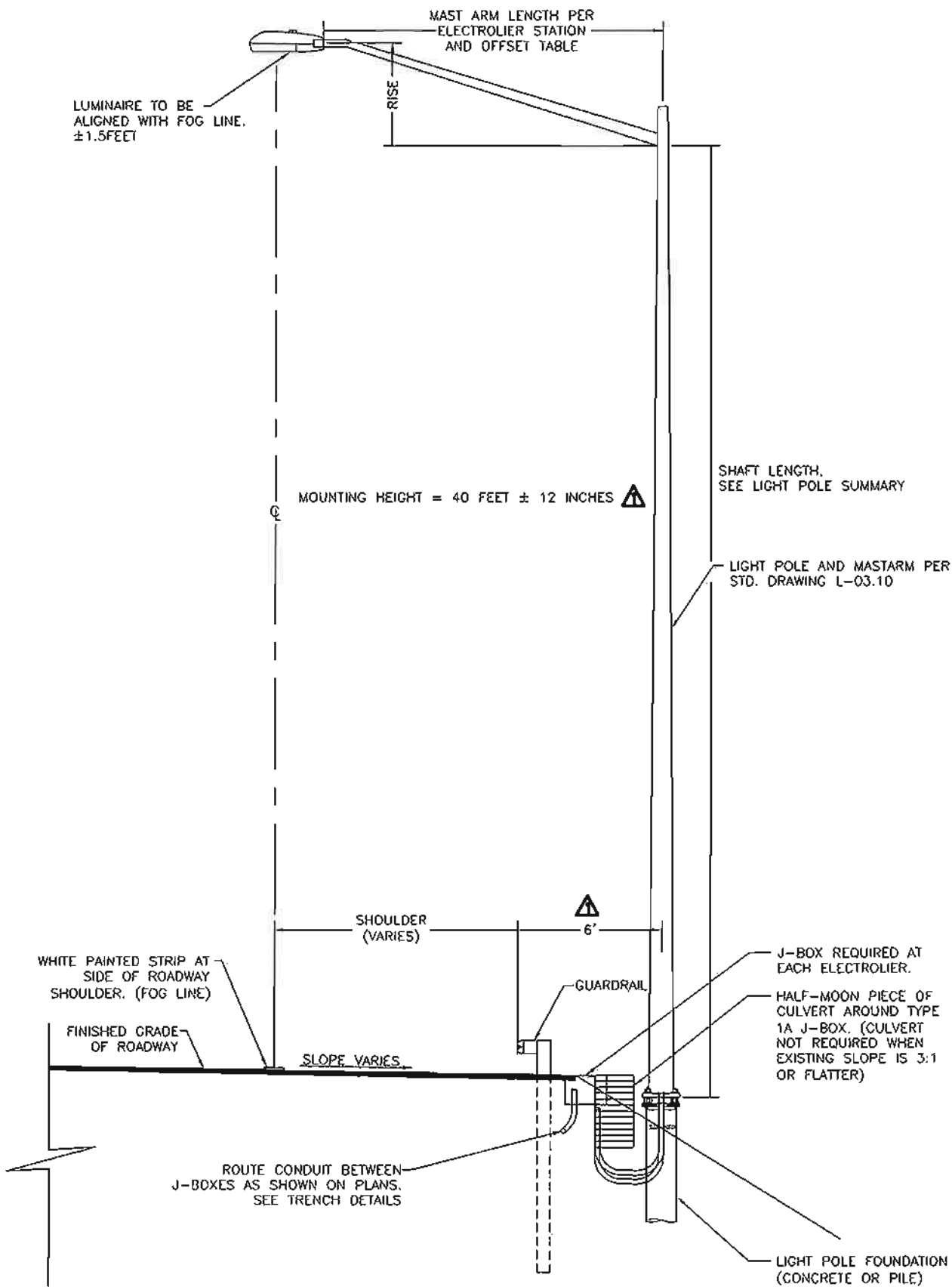
D TRENCH DETAIL - FOR TWIN LAKES CROSSING

NO SCALE

RECORD DRAWING
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 By *Janice P. Ladd* Date 02/05/15

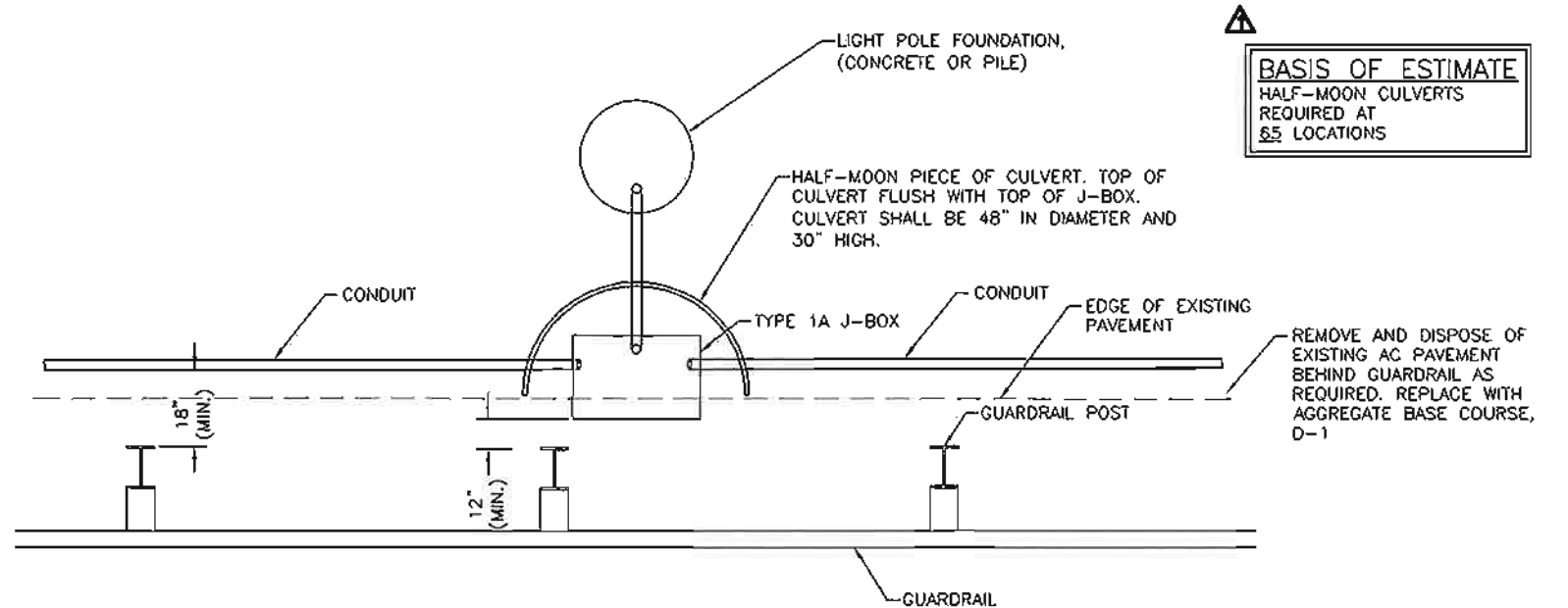
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: N. LEIGH 		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU: EGAN DRIVE ADDITIONAL ILLUMINATION	
DESIGNED BY: L. GALBRAITH DRAWN BY: M. HIDALGO		TRENCH DETAILS	
PATH: I:\11353702\DWGS\CIS\SHEETS\11353702-J DETAILS.DWG TAB: J2 Thursday, June 06, 2013 11:57:03 AM BILL PADDOCK			
REVISIONS NO. DATE DESCRIPTION		PROJECT DESIGNATION 67402\EBL-0932(050)	YEAR 2013
		SHEET NO. J2	TOTAL SHEETS 51



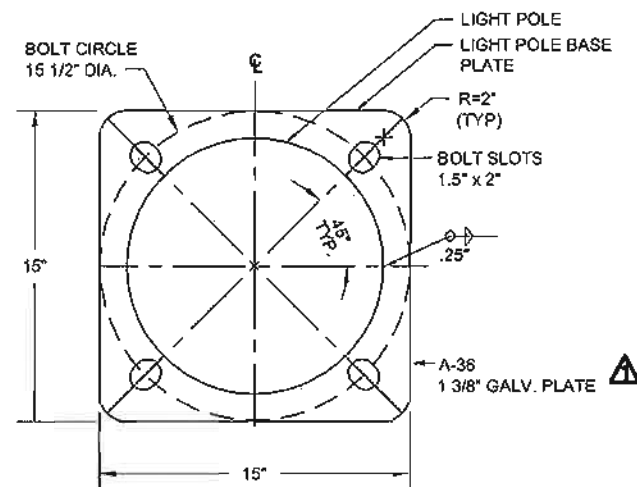
LIGHT POLE/ELECTROLIER BEHIND GUARDRAIL MOUNTING DETAIL

NO SCALE



J-BOX/CONDUIT INSTALLATION DETAIL

NO SCALE



LIGHT POLE BASE DETAIL

NO SCALE


DETAIL MODIFIES STANDARD DRAWING L-03.10 WITH BOLT SLOTS

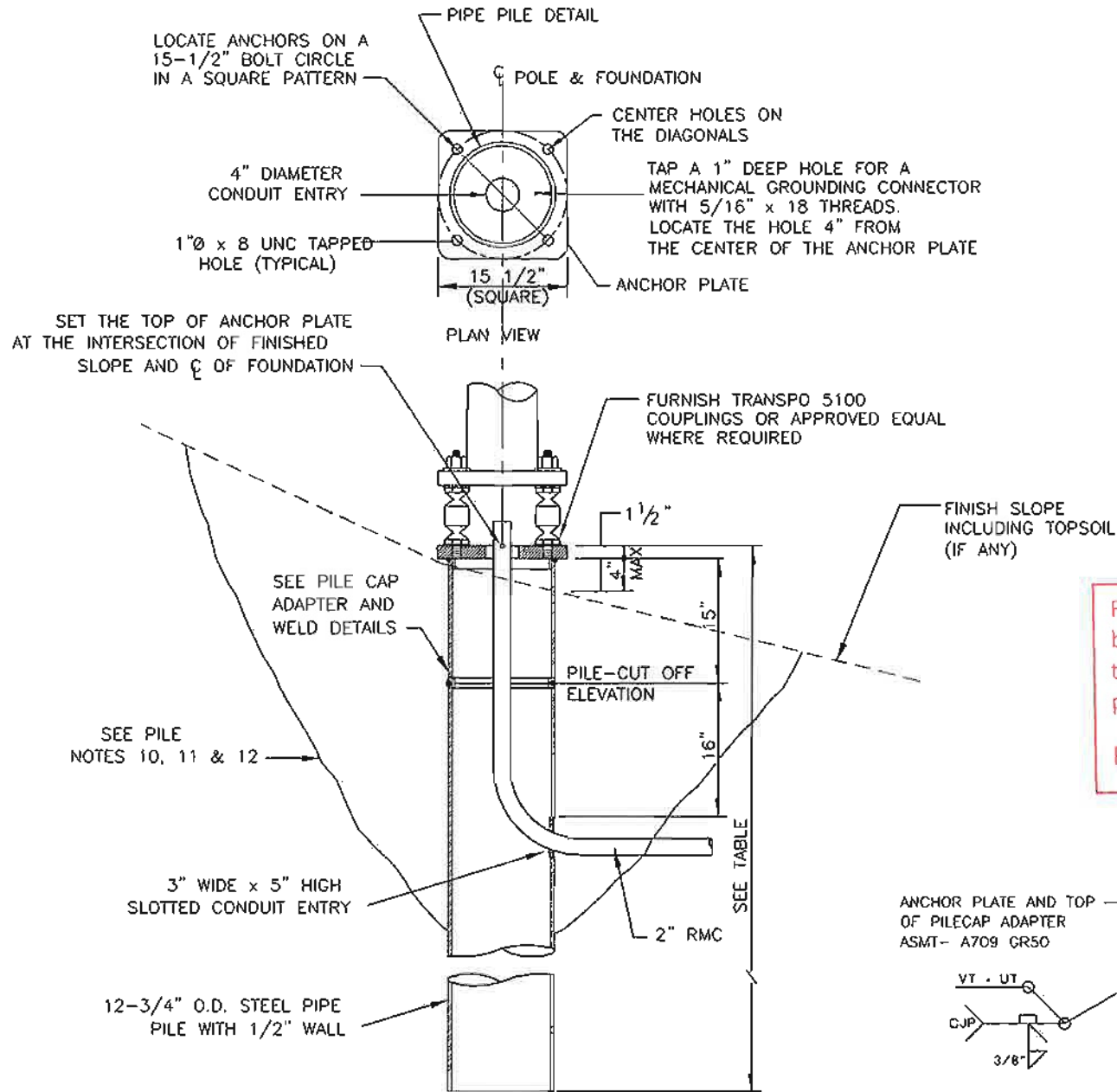
BASIS OF ESTIMATE
HALF-MOON CULVERTS REQUIRED AT 65 LOCATIONS

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 3-23-15

RECORD DRAWING
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By *John Colwell* Date 02/05/15

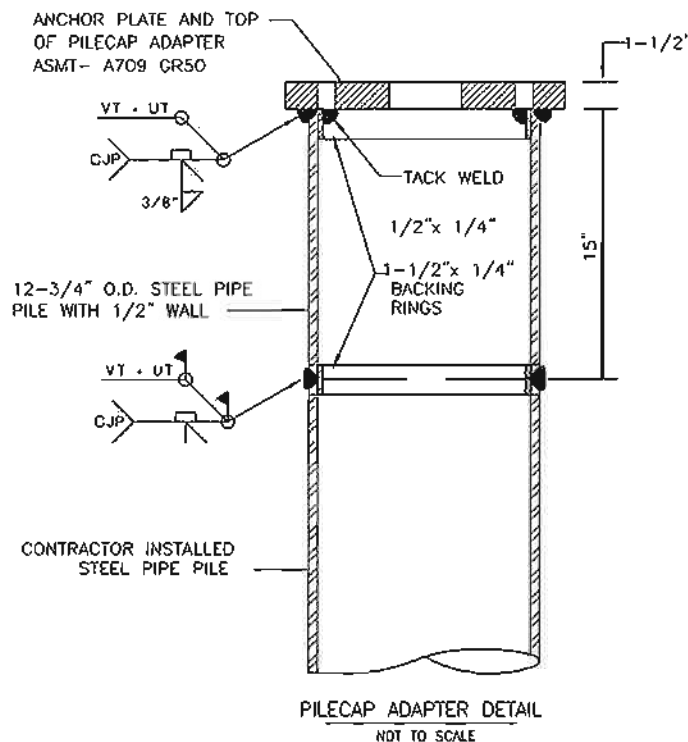
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: N. LEIGH  DESIGNED BY: L. GALBRAITH DRAWN BY: M. HIDALGO		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION A PUBLIC FACILITIES SOUTHEAST REGION JNU: EGAN DRIVE ADDITIONAL ILLUMINATION		
PATH: I:\1353702\DWGS\CS\SHEETS\1353702-J DETAILS\JWG TAB: J3 Friday, June 21, 2013 11:58:22 AM BILL PADDOCK		LIGHT POLE & J-BOX DETAILS		
PROJECT DESIGNATION: 67402\EBL-0932(050)		YEAR: 2013	SHEET NO.: J3	TOTAL SHEETS: 51
REVISIONS NO. DATE DESCRIPTION 1 6/21/13 CLEAN UP DIMENSIONS BASIS OF ESTIMATE				



PIPE PILE FOUNDATION
(SHOWN WITH FRANGIBLE COUPLINGS)

FOUNDATION DEPTH TABLE	
FINISH SLOPE	FOUNDATION DEPTH
FLAT TO 6:1	15'
>6:1 TO 3:1	15'
>3:1 TO 1.5:1	20'
>1.5:1 TO 1:1	20'
>1:1	NOTIFY ENGINEER



PIPECAP ADAPTER AND WELD DETAILS
(FABRICATED BY THE POLE MANUFACTURER)

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *R.J. Norheim* Date 3-23-15

FOUNDATION NOTES:

- DESIGN:** AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION 2001 WITH 2006 INTERM.
- CONSTRUCTION:** STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2004 EDITION WITH SPECIAL PROVISIONS.
- WIND LOAD:** 105 MPH, EXPOSURE C
- LIGHT SUPPORT DETAIL:** FOUNDATION DESIGN BASED ON A MAXIMUM 55 FOOT SHAFT LENGTH OR A 45 FOOT SHAFT WITH A 22 FOOT LONG MAST ARM.

MATERIAL PROPERTIES		
STRUCTURAL STEEL PLATE	ASTM A709 GRADE 50	Fy = 50 ksi
STEEL PIPE PILE	ASTM A709, GRADE 50 T3	Fy = 50 ksi
	API 5L GRADE X 42	Fy = 42 ksi

PILE FOUNDATION NOTES:

- THIS FOUNDATION IS APPROVED FOR ELECTROLIER AND BREAKAWAY TRAFFIC SIGNAL APPLICATIONS IN SOILS WITH AN n1-60 VALUE OF 4 OR GREATER PER AASHTO T-206, "STANDARD PENETRATION TEST (SPT). NOTIFY THE ENGINEER IMMEDIATELY IF ANY OF THE FOLLOWING IS ENCOUNTERED DURING INSTALLATION OF FOUNDATION: ORGANIC SOILS OVER 1-FOOT THICK, BEDROCK OR REFUSAL. THE ENGINEER WILL DETERMINE IF ADDITIONAL EMBEDMENT DEPTH, OR CHANGE IN FOUNDATION TYPE IS REQUIRED.
- FURNISH STEEL PIPE PILES AND PILECAP ADAPTERS THAT CONFORM TO SECTION 660, 715 AND 740 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS. INCLUDE STAMPED ENGINEERING CALCULATIONS, DRAWINGS, MILL CERTIFICATIONS AND WELDING PLANS FOR PILECAP ADAPTERS.
- PILECAP ADAPTERS TO BE FABRICATED BY POLE MANUFACTURER.
- DRIVE PILES OPEN ENDED. COMPLETE PILE WORK ACCORDING TO SECTION 505, 660 AND 715 OF THE STATE OF ALASKA STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- REMOVE AND REINSTALL PILES OUT OF PLUMB MORE THAN 1/8 INCH PER FOOT.
- FRESH HEAD THE TOP OF PILES IN A LEVEL PLANE.
- CUT THE CONDUIT ENTRANCE HOLE AFTER INSTALLING THE PILE.
- WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE THE AWS D1.1, STRUCTURAL WELDING CODE-STEEL.
- TERMINATE THE 2" CONDUIT 3" ABOVE THE TOP OF THE ANCHOR PLATE. INSTALL A GROUNDING BUSHING ON THE END OF THE RIGID METAL CONDUIT.
- AT EACH FOUNDATION, EXCAVATE A CONE SHAPED WORK HOLE 6.5' DIAMETER AT THE SURFACE DOWN TO 1 FOOT BELOW THE CONDUIT HOLE. AFTER CUTTING THE CONDUIT ENTRANCE HOLE AND WELDING ON THE PILECAP ADAPTER, BACKFILL AND COMPACT THE WORK HOLE IN 8" LIFTS WITH A CEMENT-SOIL MIXTURE. CONSISTING OF 2 SACKS OF PORTLAND CEMENT PER CUBIC YARD OF SOIL. SUFFICIENT COMPACTIVE EFFORT WILL BE DETERMINED BY THE ENGINEER.
- WAIT AT LEAST 3 DAYS AFTER BACKFILLING THE WORK HOLE BEFORE ERECTING THE LUMINAIRE POLE.
- NATIVE MATERIALS MAY BE USED FOR BACKFILLING OF THE PILE CAP WHEN THE FOUNDATION DEPTH IS 5- FEET GREATER THAN SHOWN IN THE FOUNDATION DEPTH TABLE.

RECORD DRAWING
THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
By *Jean Balluff* Date 02/05/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: N. LERON

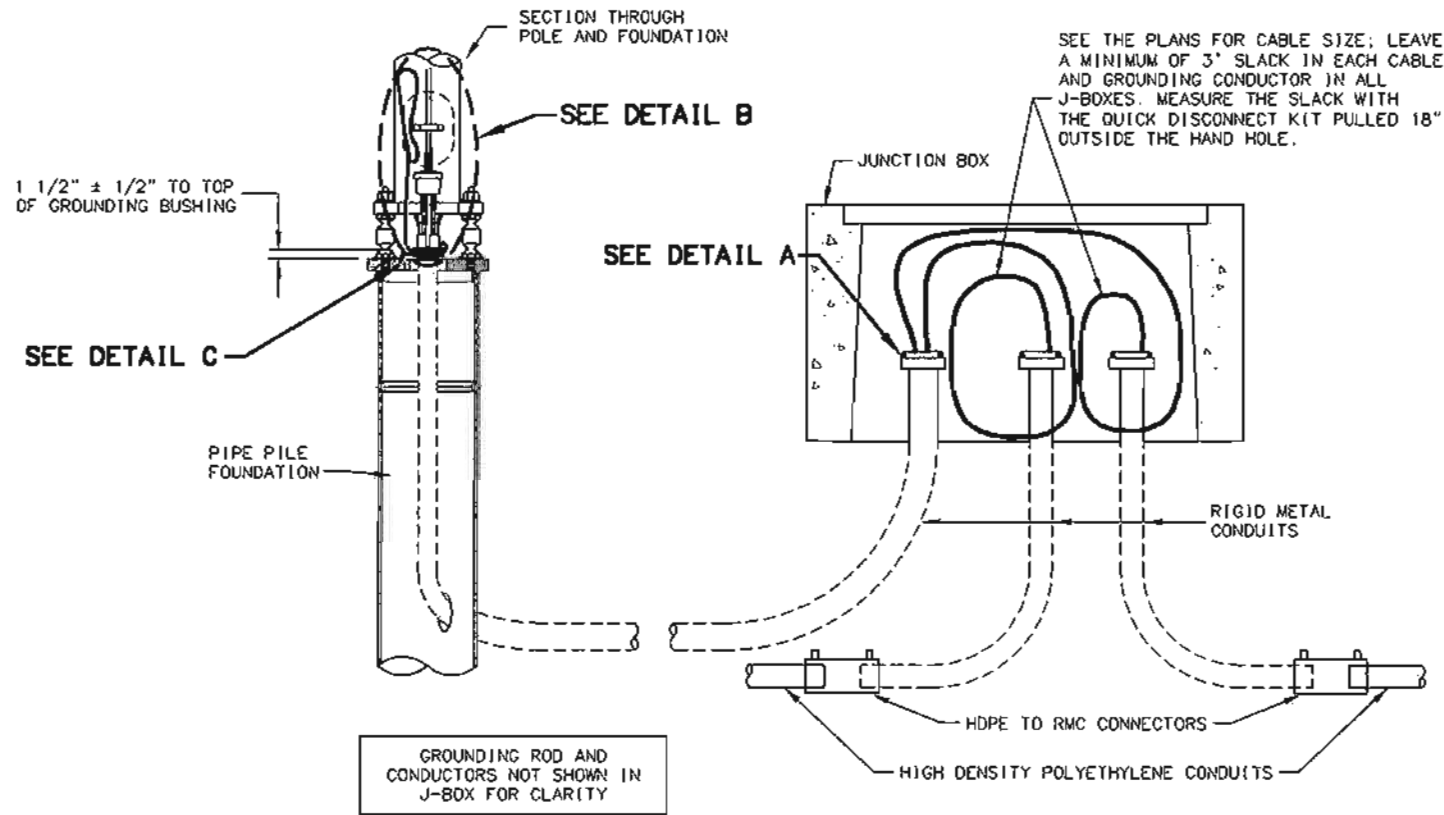
DESIGNED BY: L. GALBRAITH
DRAWN BY: M. HIDALGO

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION
JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

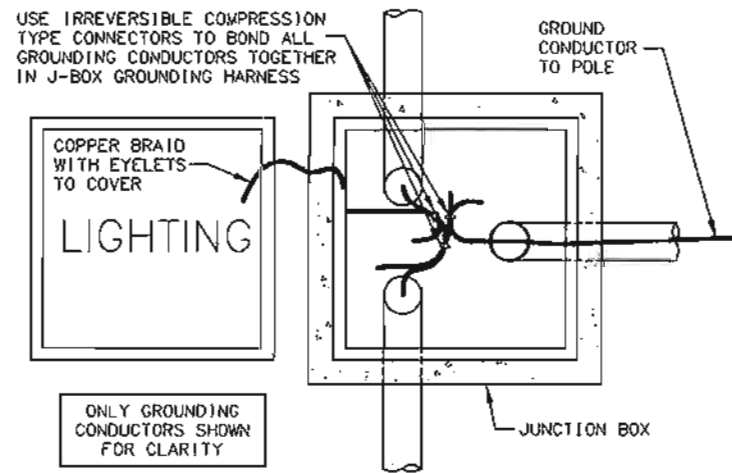
PILE FOUNDATION DETAILS FOR LIGHT POLES WITH POLE SAFE BREAKAWAY SUPPORTS

PATH: I:\1353702\DWGS\CS\1353702-J DETAILS.DWG
TAB: J4 Thursday, June 06, 2013 10:03:16 AM BRUCE HOPPER

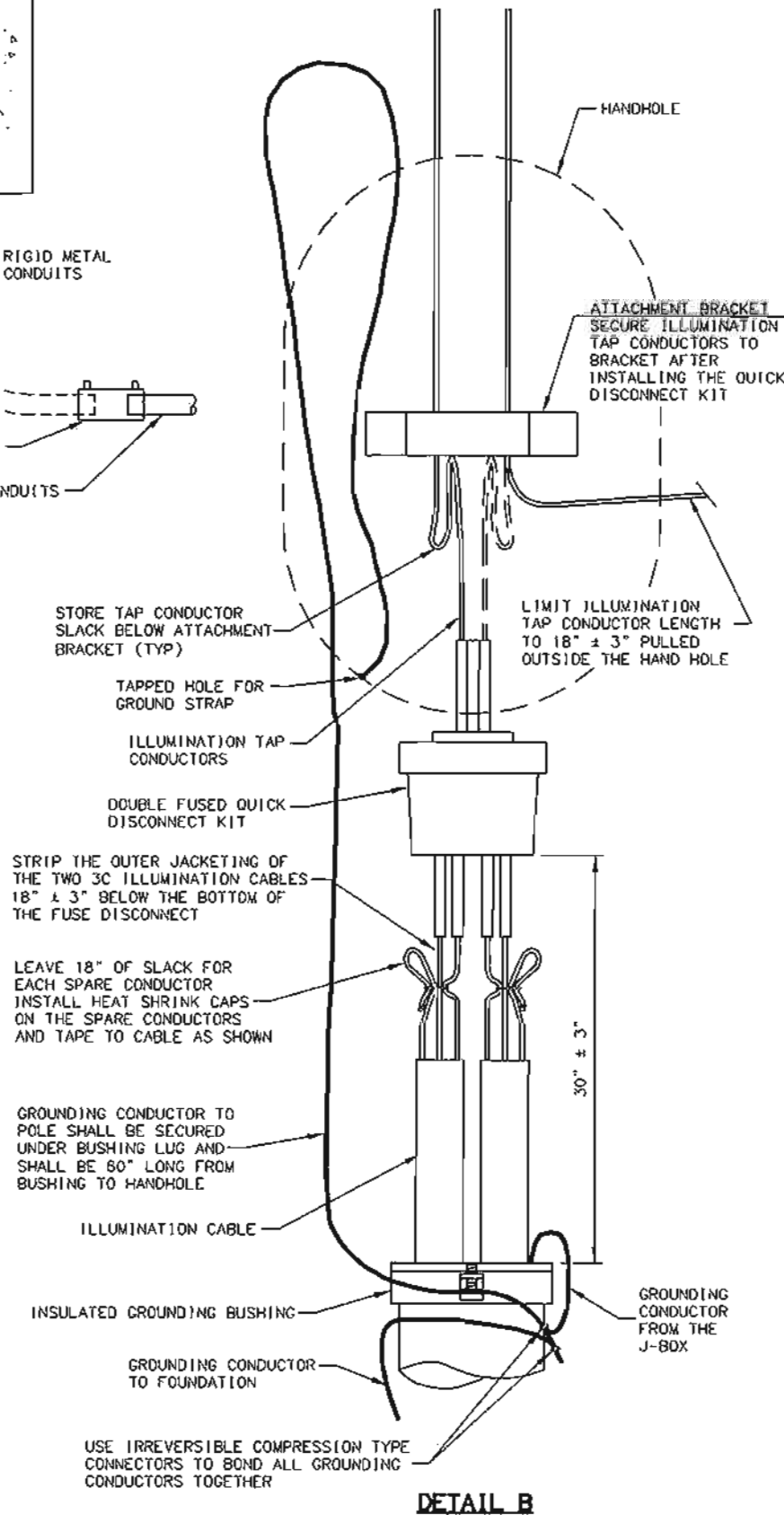
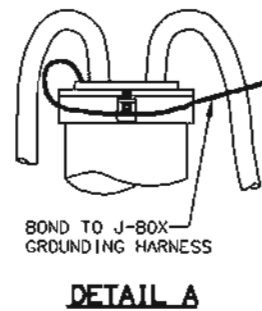
REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67402\EBL-0932(050)	2013	J4	51



LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS



GROUNDING CONDUCTOR BONDING CONNECTIONS



DETAIL B

NOTES:

1. APPLICATION FOR SLIP BASE IS THE SAME EXCEPT FOR BONDING. SEE SUBSECTION 660-3.06 FOR BONDING.
2. LABEL ALL CABLES AND CONDUCTORS IN POLE BASE AND J-BOX. SEE SUBSECTION 660-3.05.
3. MAKE ALL GROUNDING AND BONDING WIRE #8 AWG, EXCEPT IN THOSE CONDUITS THAT CONTAIN CIRCUIT CONDUCTORS LARGER THAN #8 AWG. IN THIS CASE USE WIRE EQUAL IN SIZE TO THE LARGEST CONDUCTOR. THE GROUNDING CONDUCTOR TO THE FOUNDATION SHALL BE #4 AWG.
4. USE LISTED IRREVERSIBLE COMPRESSION TYPE CONNECTORS SIZED FOR EACH APPLICATION AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *K. J. ...* Date 3-23-15

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *Jan ...* Date 02/05/15

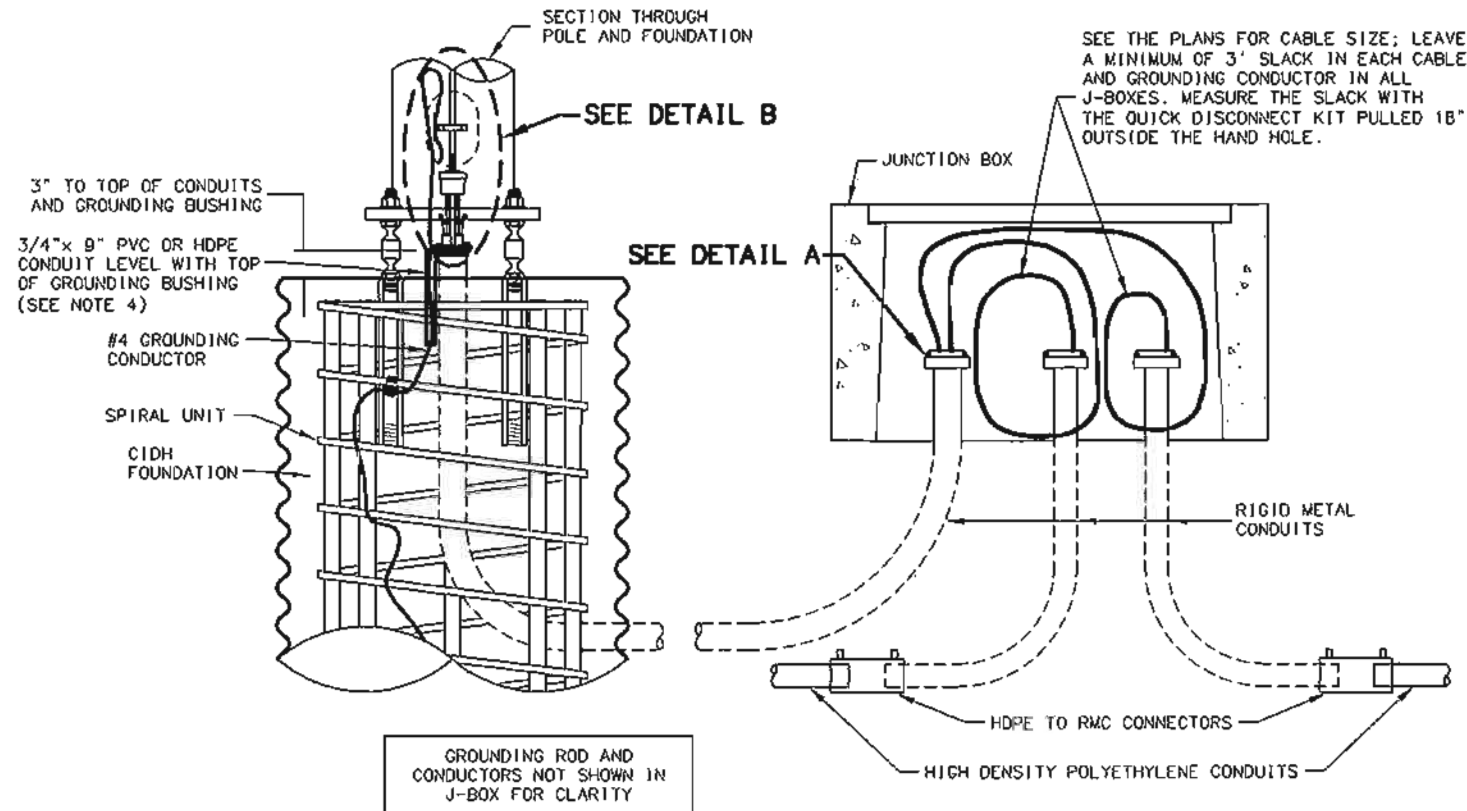
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

DESIGNED BY: N. LEIGHT
 DRAWN BY: B. PADDOCK

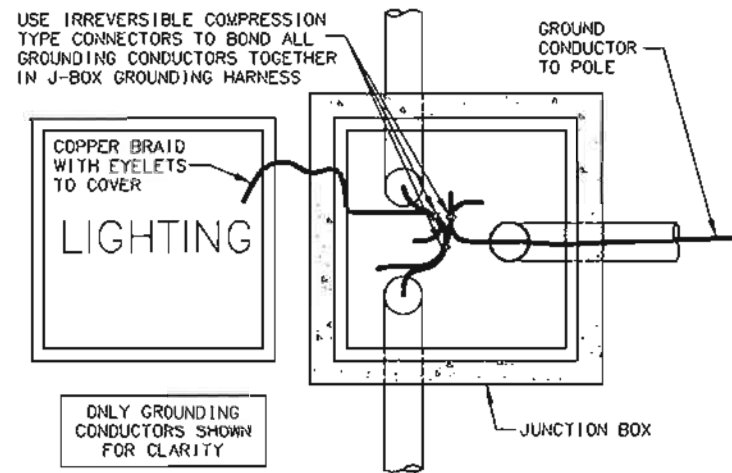
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 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

DETAILS

PROJECT INFORMATION: 67402\EBL-0932(050)
 YEAR: 2013
 SHEET NO.: J5
 TOTAL SHEETS: 51



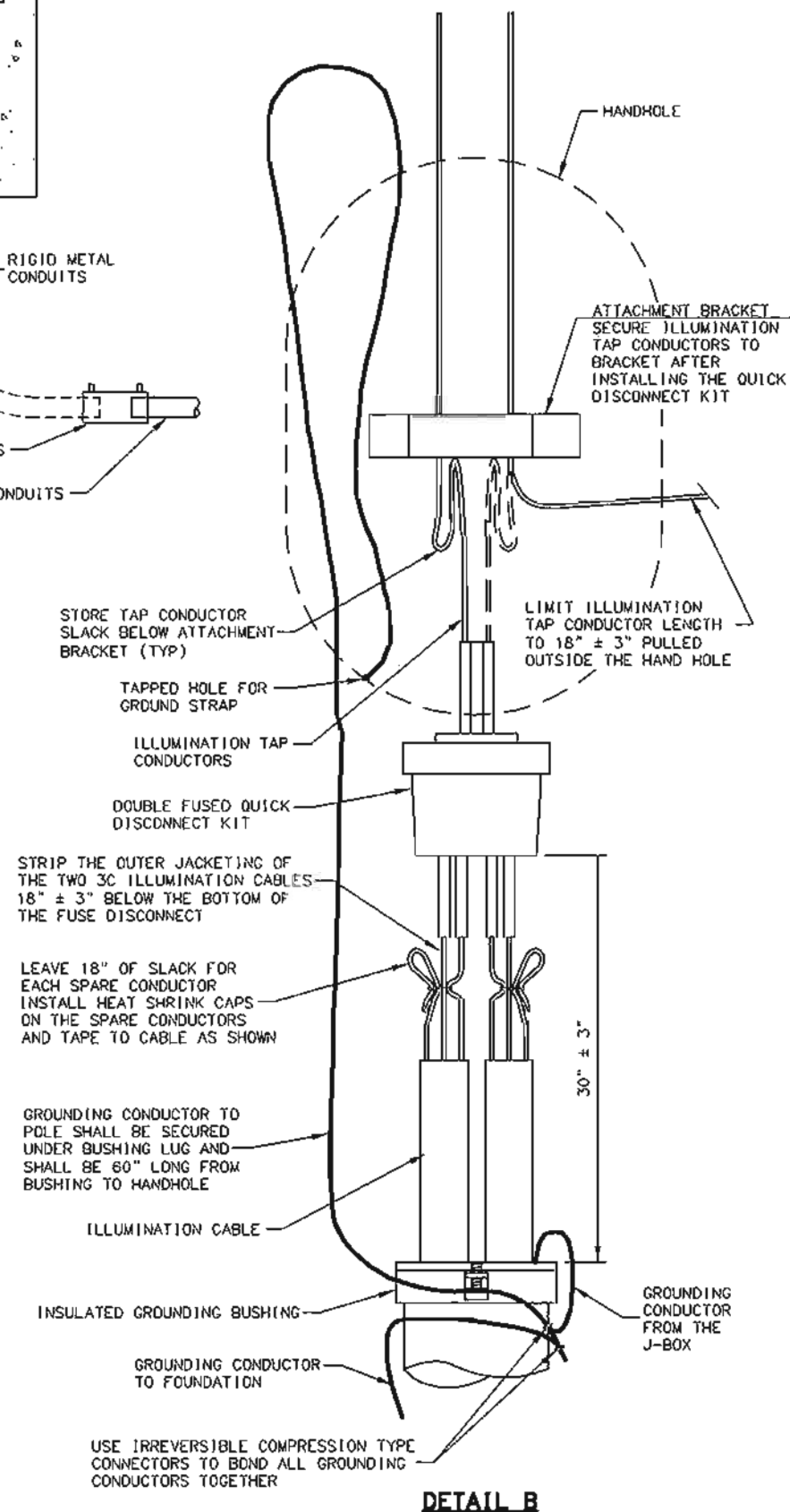
LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS



GROUNDING CONDUCTOR BONDING CONNECTIONS



DETAIL A



DETAIL B

NOTES:

1. APPLICATION FOR SLIP BASE IS THE SAME EXCEPT FOR BONDING. SEE SUBSECTION 660-3.06 FOR BONDING.
2. LABEL ALL CABLES AND CONDUCTORS IN POLE BASE AND J-BOX. SEE SUBSECTION 660-3.05.
3. MAKE ALL GROUNDING AND BONDING WIRE #8 AWG. EXCEPT IN THOSE CONDUITS THAT CONTAIN CIRCUIT CONDUCTORS LARGER THAN #8 AWG. IN THIS CASE USE WIRE EQUAL IN SIZE TO THE LARGEST CONDUCTOR. THE GROUNDING CONDUCTOR TO THE FOUNDATION SHALL BE #4 AWG.
4. USE LISTED IRREVERSIBLE COMPRESSION TYPE CONNECTORS SIZED FOR EACH APPLICATION AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.
5. PROTECT GROUND WIRE WITH 3/4 INCH PVC OR HDPE CONDUIT TO 6 INCHES BELOW TOP OF FOUNDATION FILLED WITH SILICONE SEALANT.

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *K.J. Stuber* Date 3-23-15

RECORD DRAWING
 THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
 By *Jean LaBelle* Date 02/05/15

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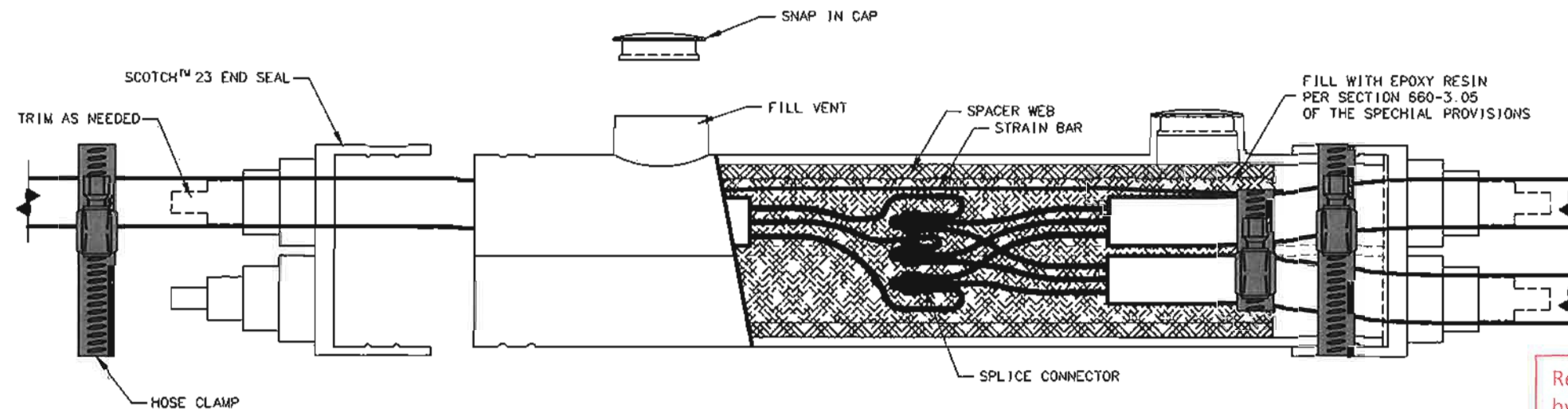
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DESIGNED BY: J. GALBRAITH		JNU: EGAN DRIVE ADDITIONAL ILLUMINATION	
DRAWN BY: S. PADDOCK		DETAILS	
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NO.	DATE	DESCRIPTION	

NOTES:

POWER CABLE SPLICE

1. SECURE CABLE/CONNECTOR BUNDLE WITH HOSE CLAMPS AS SHOWN.

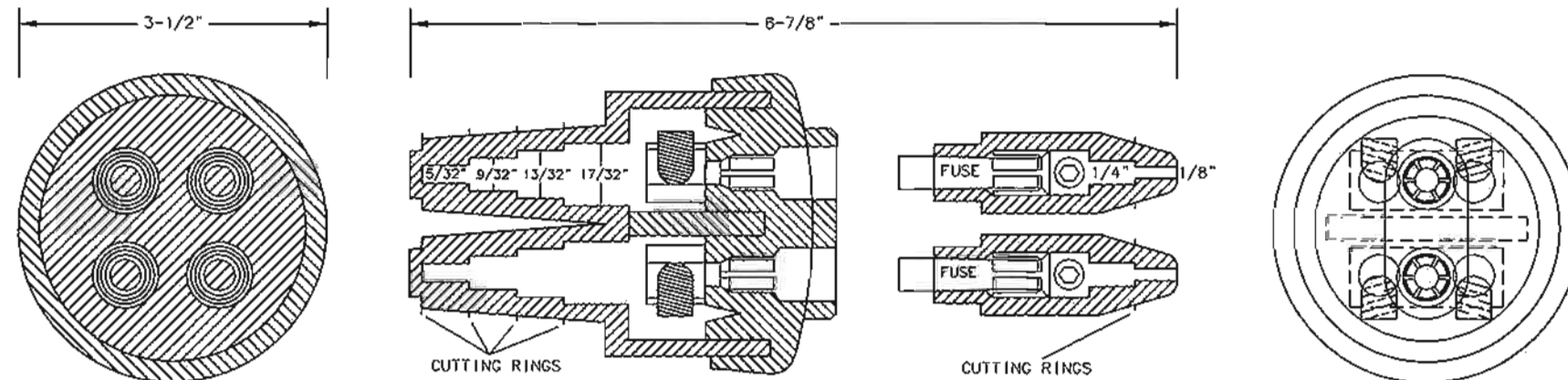
MATERIAL PROPERTIES	
POWER CABLE SPLICE	
SPLICE KIT	3M MODEL 78R OR APPROVED EQUAL
SPLICE CONNECTOR	SCOTCHLOCK G, R, OR Y SPRING CONNECTOR
HOSE CLAMP	(4) - STAINLESS STEEL
EPOXY RESIN	PER SECTION 660-3.05 OF THE SPECIAL PROVISIONS
DOUBLE FUSED CONNECTOR	
DOUBLE FUSED CONNECTOR	SEC-1791-DF-1 OR APPROVED EQUAL
FUSES	(2) - COMPATIBLE 10-AMP



POWER CABLE SPLICE

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *Kf Nochi* Date 3-23-15

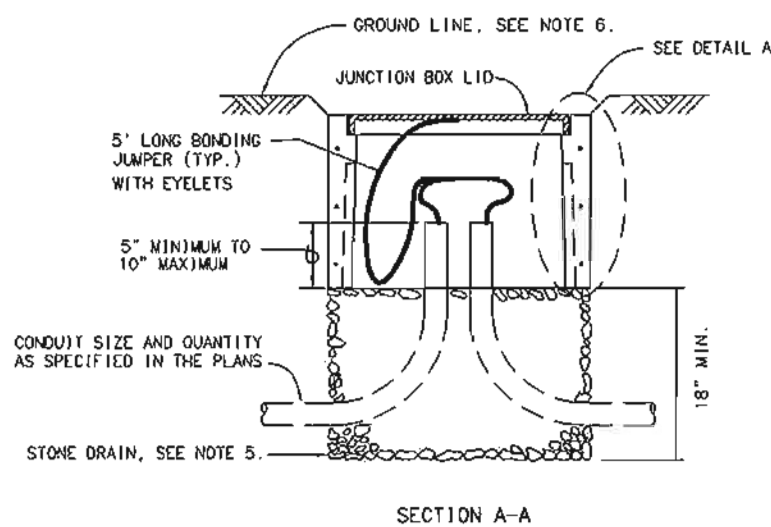
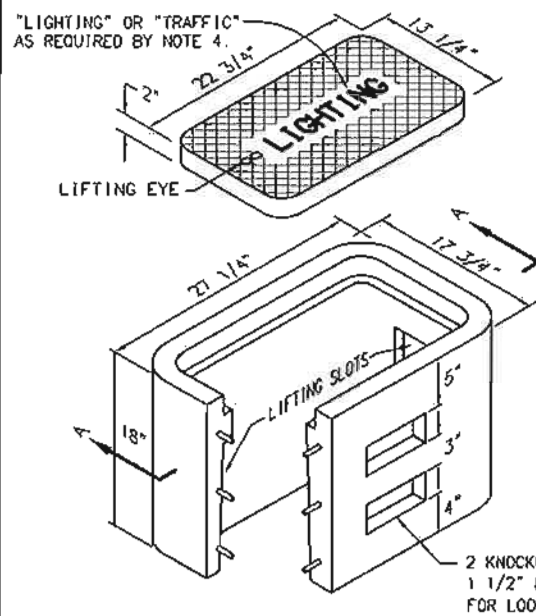
RECORD DRAWING
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 By *Jan Collette* Date 02/05/15



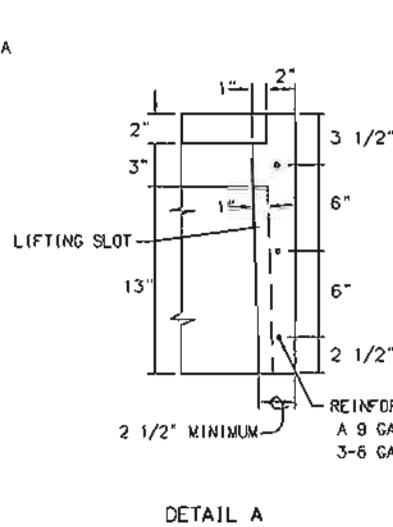
DOUBLE FUSED CONNECTOR

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: N. LEIGH	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION						
DESIGNED BY: L. GALBRAITH	JNU: EGAN DRIVE ADDITIONAL ILLUMINATION						
DRAWN BY: B. PADDOCK	DETAILS						
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NO.	DATE	DESCRIPTION					
1	7/12	REMOVE LOOP DETAILS					



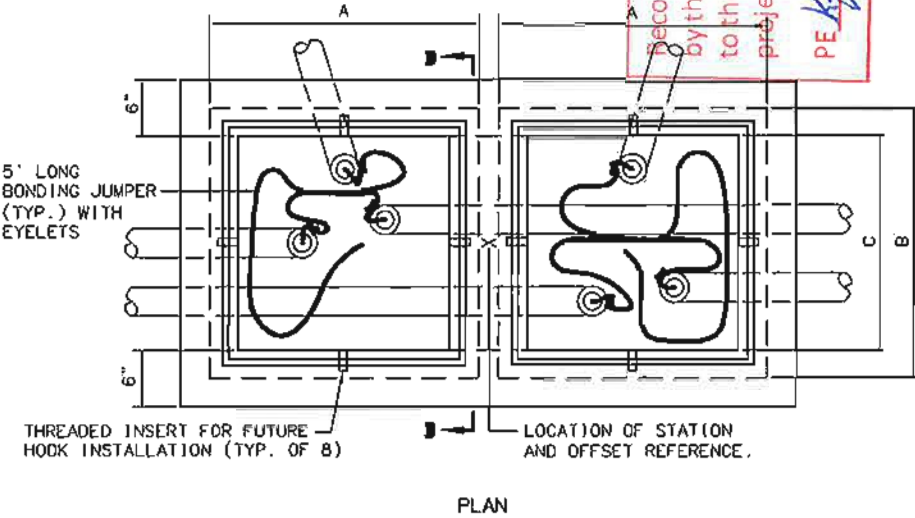
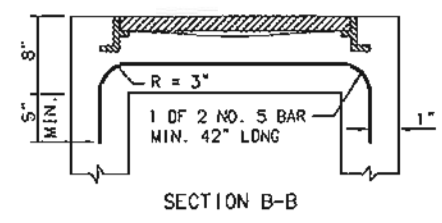
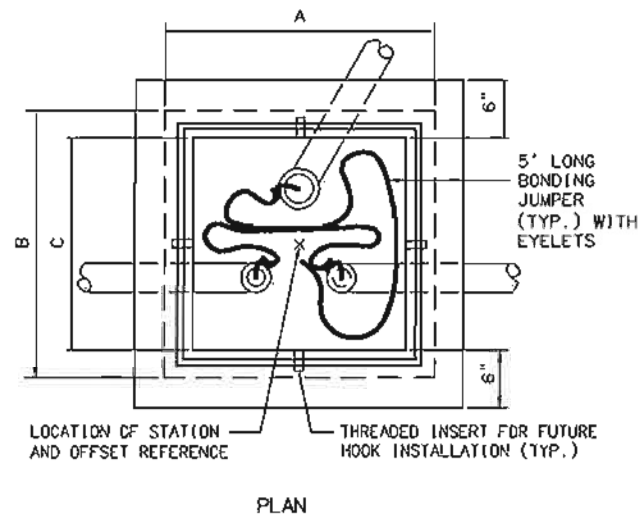
TYPE IA JUNCTION BOX



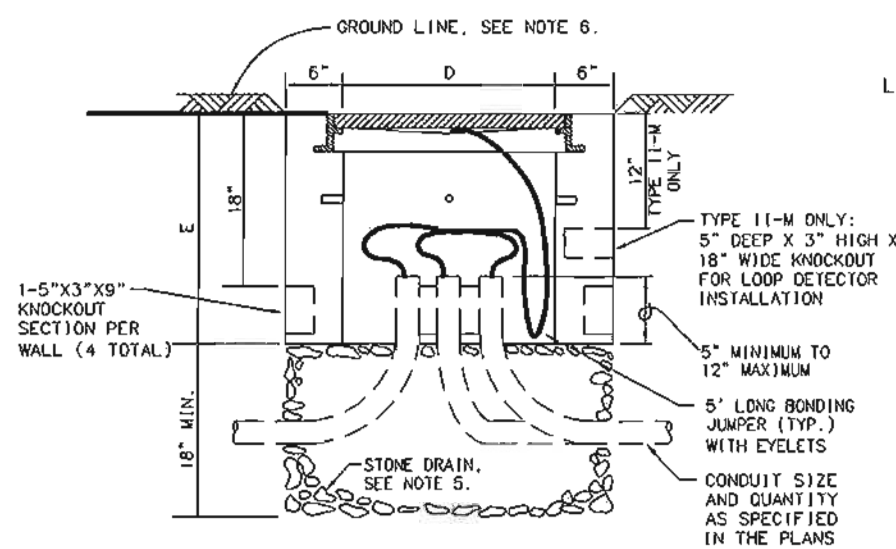
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 By *[Signature]* Date *02/05/15*

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date *3-23-15*

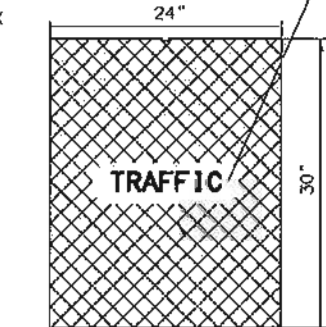
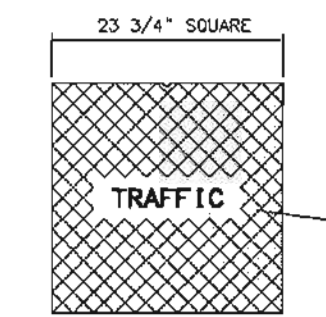
- NOTES:**
- AVOID INSTALLING TYPE IA JUNCTION BOXES IN DRIVEWAYS OR IN LOCATIONS SUBJECT TO USE BY HEAVY TRUCKS. INSTALL JUNCTION BOXES ONLY AT THE LATERAL LOCATIONS ALLOWED IN SUBSECTION 660-3.04.
 - FURNISH TYPE II, III AND IV JUNCTION BOXES WITH CAST IRON FRAMES AND LIDS THAT WEIGH A MINIMUM OF 210 POUNDS AND ARE RATED FOR HEAVY TRAFFIC LOADS IN COMPLIANCE WITH AASHTO M306. FURNISH TYPE IA JUNCTION BOXES WITH CAST IRON LIDS THAT WEIGH A MINIMUM OF 50 POUNDS.
 - CONSTRUCT JUNCTION BOXES ACCORDING TO SECTION 501 USING CLASS A CONCRETE. REINFORCE TYPE IA JUNCTION BOXES AS SHOWN OR CONSTRUCT THEM WITH SYNTHETIC STRUCTURAL FIBER-REINFORCED CONCRETE THAT MEETS ASTM C 1116 AND CONTAINS FIBER IN PROPORTIONS AS RECOMMENDED BY THE FIBER MANUFACTURER.
 - FOR JUNCTION BOXES THAT CONTAIN ILLUMINATION CONDUCTORS EXCLUSIVELY, FURNISH LIDS WITH THE WORD LIGHTING INSCRIBED INTO THEM. FOR OTHER JUNCTION BOXES, FURNISH LIDS WITH THE WORD TRAFFIC INSCRIBED INTO THEM.
 - UNDER JUNCTION BOXES, INSTALL STONE DRAINS THAT CONSIST OF COARSE AGGREGATE FOR PORTLAND CEMENT CONCRETE CONFORMING TO SUBSECTION 703-2.02.
 - SET THE TOPS OF JUNCTION BOXES THE FOLLOWING DIMENSIONS BELOW THE FINISHED SURROUNDING SURFACE: 1" IN PAVED MEDIANS AND ADJACENT TO PEDESTRIAN FACILITIES, 1/4" IN PEDESTRIAN FACILITIES, AND 2" IN ALL OTHER AREAS.
 - BOND JUNCTION BOX LIDS TO THE SYSTEM OF EQUIPMENT GROUNDING CONDUCTORS ACCORDING TO SUBSECTION 660-3.06. ATTACH BONDING JUMPERS TO THE JUNCTION BOX LIDS WITH BRASS OR STAINLESS STEEL HARDWARE.
 - INSTALL LOOP DETECTOR TAILS THRU ONE OF THE KNOCKOUTS OF TYPE IA JUNCTION BOXES. AFTER SETTING THE BOXES TO GRADE, INSTALL GROUT IN THE GAPS THAT REMAIN IN THE KNOCKOUT.
 - INSTALL A 1/2" THICK PREFORMED BITUMINOUS JOINT MATERIAL AROUND JUNCTION BOXES INSTALLED IN PORTLAND CEMENT CONCRETE WALKWAYS.
 - INSTALL AN ELECTRONIC MARKER BALL IN ALL JUNCTION BOXES PER SUBSECTION 660-3.04.



TYPE III/IV JUNCTION BOX
 ELEVATION (TYPE III LAYOUT DEPICTED)



TYPE II/II-M JUNCTION BOX
 ELEVATION



J-BOX DIMENSIONS

J-BOX TYPE	DIMENSIONS				
	A (MAX.)	B (MAX.)	C (MIN.)	D (MIN.)	E (MIN.)
II/II-M	29 1/2"	29 1/2"	22"	22"	24"
III	29 1/2"	29 1/2"	22"	22"	24"
IV	30"	36"	30"	24"	30"

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

CHECKED BY: N. LEIGH

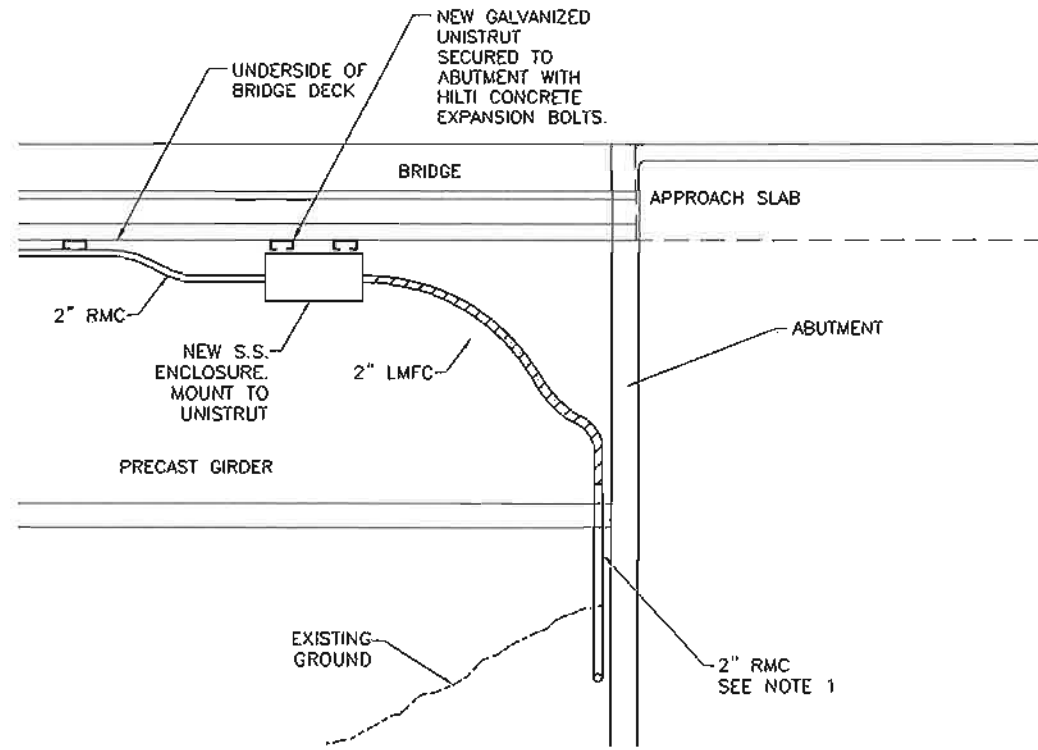
DESIGNED BY: L. GALBRAITH
 DRAWN BY: B. PADDOCK

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

DETAILS

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REVISIONS			PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
NO.	DATE	DESCRIPTION				
			67402\EBL-0932(050)	2013	J8	51



ENCLOSURE MOUNTING DETAIL
NO SCALE

NOTES:

1. OUTBOUND LEMON CREEK BRIDGE
2" C
2-3c #8 CKT JA-1, CKT JA-2
- INBOUND LEMON CREEK BRIDGE
2" C
2-3c #8 CKT JA-3, CKT JA-4
2. SECURE CONDUIT TO UNDERSIDE OF BRIDGE STRUCTURE EVERY 5' MAX.

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

PE *K.J. Nishin* Date 3-23-15

RECORD DRAWING
THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.

By *Joan Ballweid* Date 02/05/15

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES SOUTHEAST REGION JNU: EGAN DRIVE ADDITIONAL ILLUMINATION																					
CHECKED BY: L. GALBRATH DESIGNED BY: J. HALL DRAWN BY: J. HALL		DETAILS																					
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REVISIONS			PROJECT DESIGNATION	YEAR					SHEET NO.	TOTAL SHEETS													
NO.	DATE	DESCRIPTION																					
			67402\EBL-0932(050)	2013	J9	51																	



LEGEND

---	CUT LIMITS	▣	AREA OF DISTURBANCE
.....	FILL LIMITS	⊙	CATCH BASIN INSERT
---	PROPERTY LINE	→	FLOW DIRECTION
---	DITCHLINE FLOW DIRECTION		
---	WATERS OF THE U.S.		
SB	TEMPORARY SEDIMENT BARRIER		
FR	FIBER ROLLS		
VBS	VEGETATIVE BUFFER STRIP		



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

PE *[Signature]* Date 3-23-15

EROSION AND SEDIMENT CONTROL PLAN:

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

- REFER TO ESCP REPORT FOR EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP'S).
- INSTALL BMP'S PRIOR TO EARTH DISTURBING ACTIVITIES.
- 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.
- STABILIZE DISTURBED GROUND AS SOON AS POSSIBLE. UNSTABILIZED SURFACES MUST BE TEMPORARILY STABILIZED WITH BONDED FIBER MATRIX, MATTING, OR OTHER EFFECTIVE MEASURES. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND SEDIMENT CONTROL UNTIL PROJECT WORK AREAS ARE PAVED AND SEEDING AREAS HAVE ACHIEVED 70% VEGETATIVE COVER.
- PROVIDE TEMPORARY SEDIMENT BARRIER AS SHOWN ON PLANS, AND AS NECESSARY, TO PREVENT MIGRATION OF SEDIMENT USING SILT FENCE OR FIBER ROLLS.
- FIBER ROLLS WILL BE INSTALLED IN PHASES IN CORRELATION TO GROUND DISTURBING ACTIVITIES. AFTER AN AREA HAS BEEN STABILIZED FIBER ROLLS MAY BE REMOVED AND REINSTALLED ELSEWHERE ON THE PROJECT SITE. USE TYPE 2 INSTALLATION AS DESCRIBED IN SPECIAL PROVISION 638-3.01.

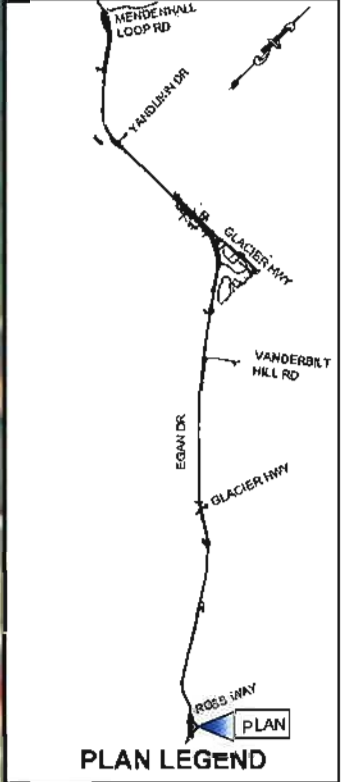
PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 TAB: P1

ADDENDUM NUMBER _____

ATTACHMENT NUMBER _____

RECORD OF REVISIONS

NO.	DATE	DESCRIPTION



CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH

DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

**LOAD CENTER A
 ESCP**

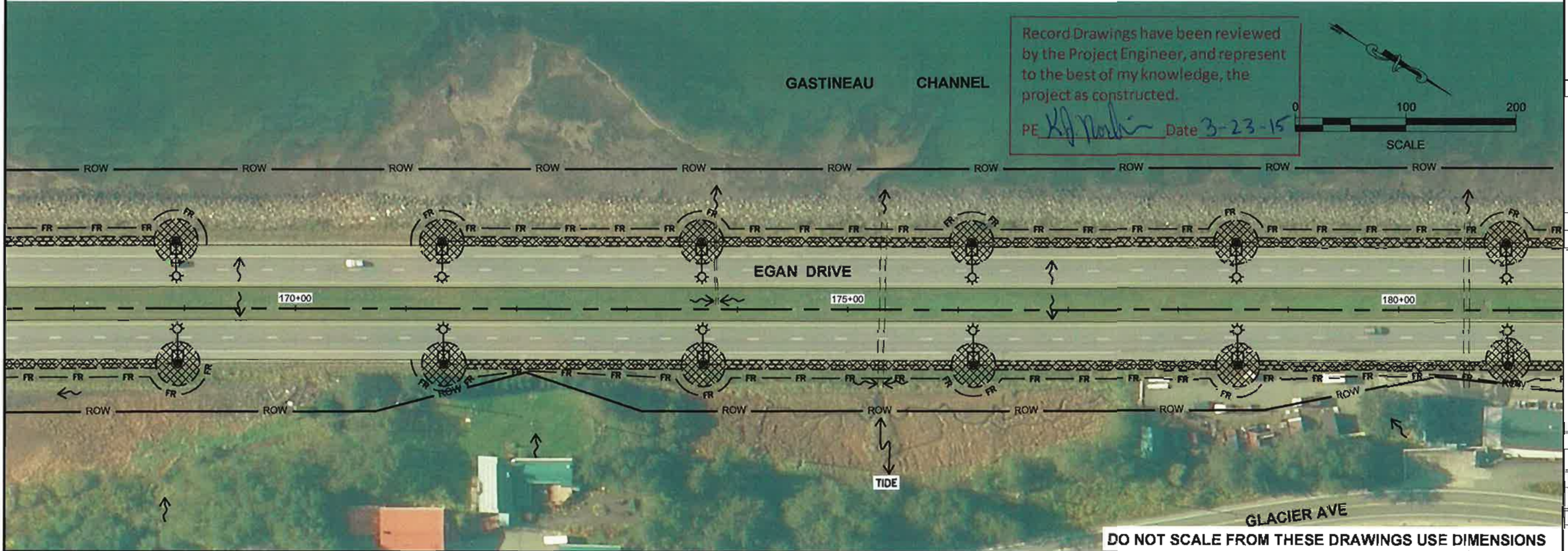
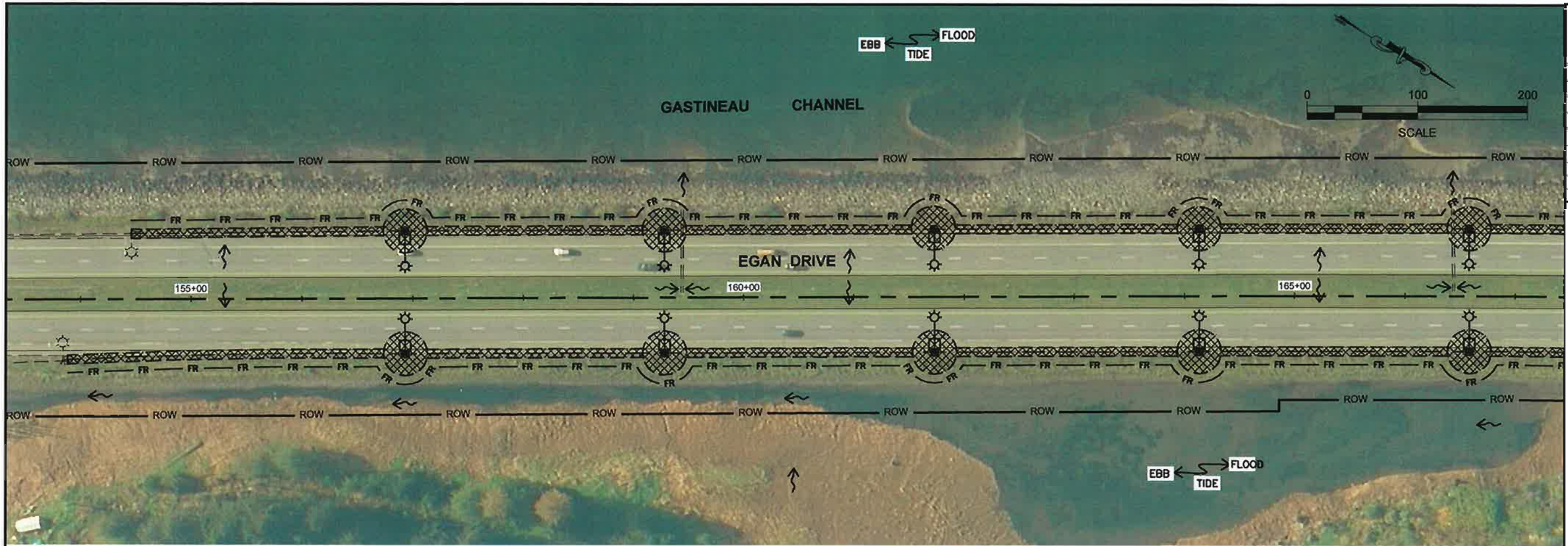
PROJECT DESIGNATION
67402\EBL-0932(050)

STATE	YEAR
ALASKA	2013

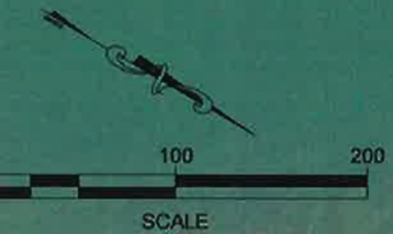
SHEET NUMBER	TOTAL SHEETS
P1	51

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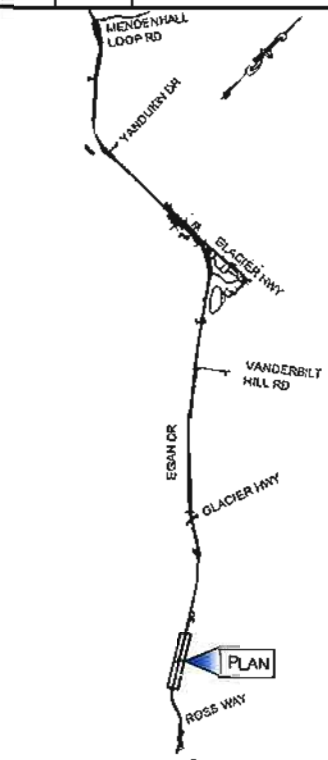


Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *K.J. Markin* Date 3-23-15



PREPARED BY: USKH
 JORDAN HALL
 8 June 2013
 TAD: P2

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRATH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTH-EAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

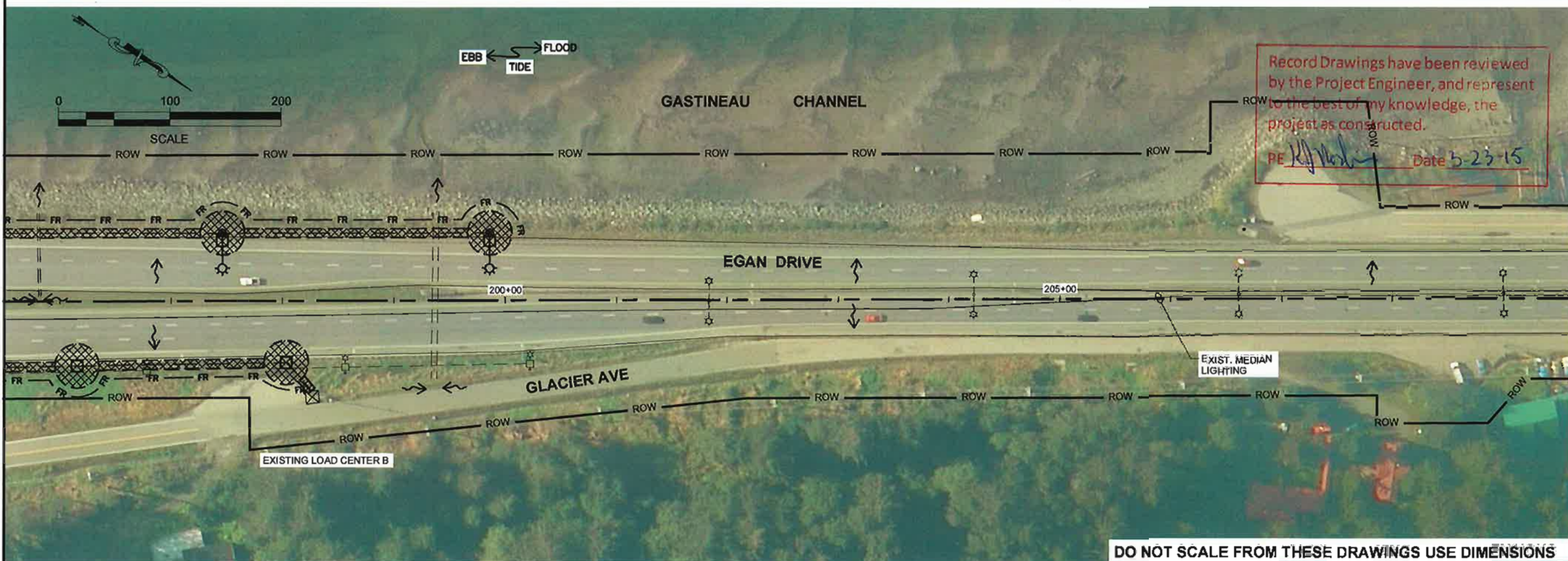
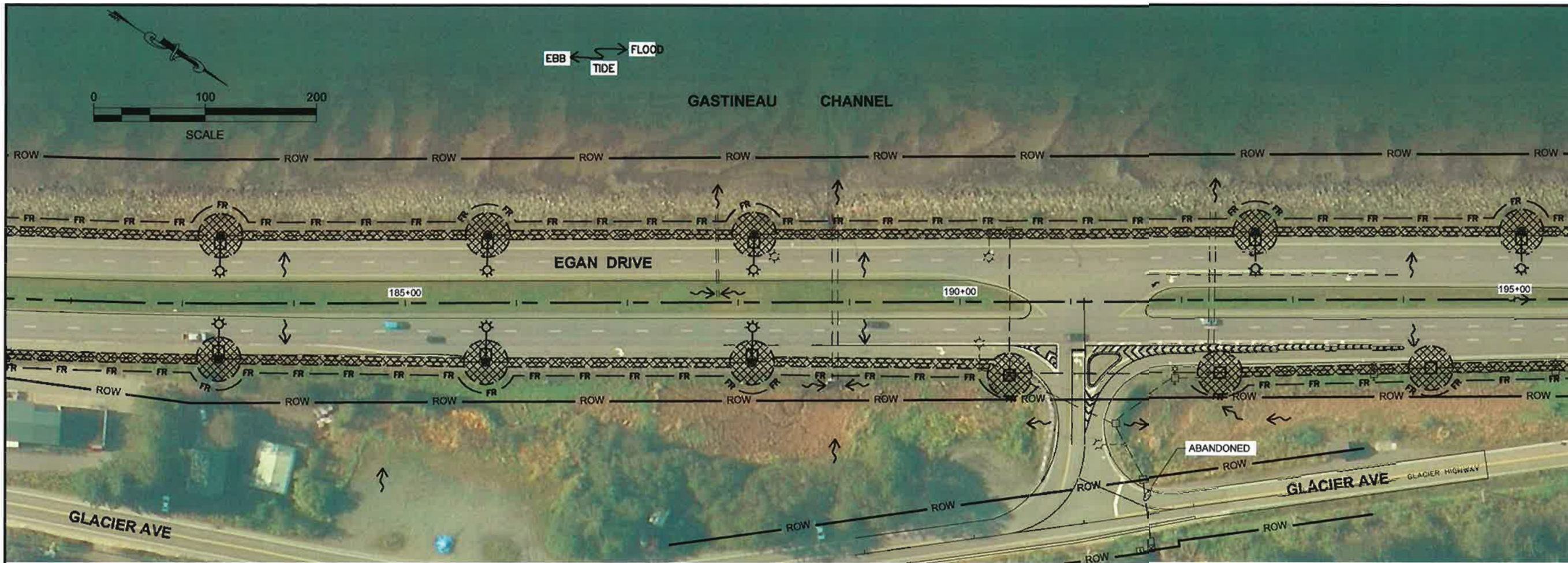
**EGAN DRIVE
 ESCP**

PROJECT DESIGNATION
 67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P2	51

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PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 TAD: P3

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDLGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

**EGAN DRIVE
 ESCP**

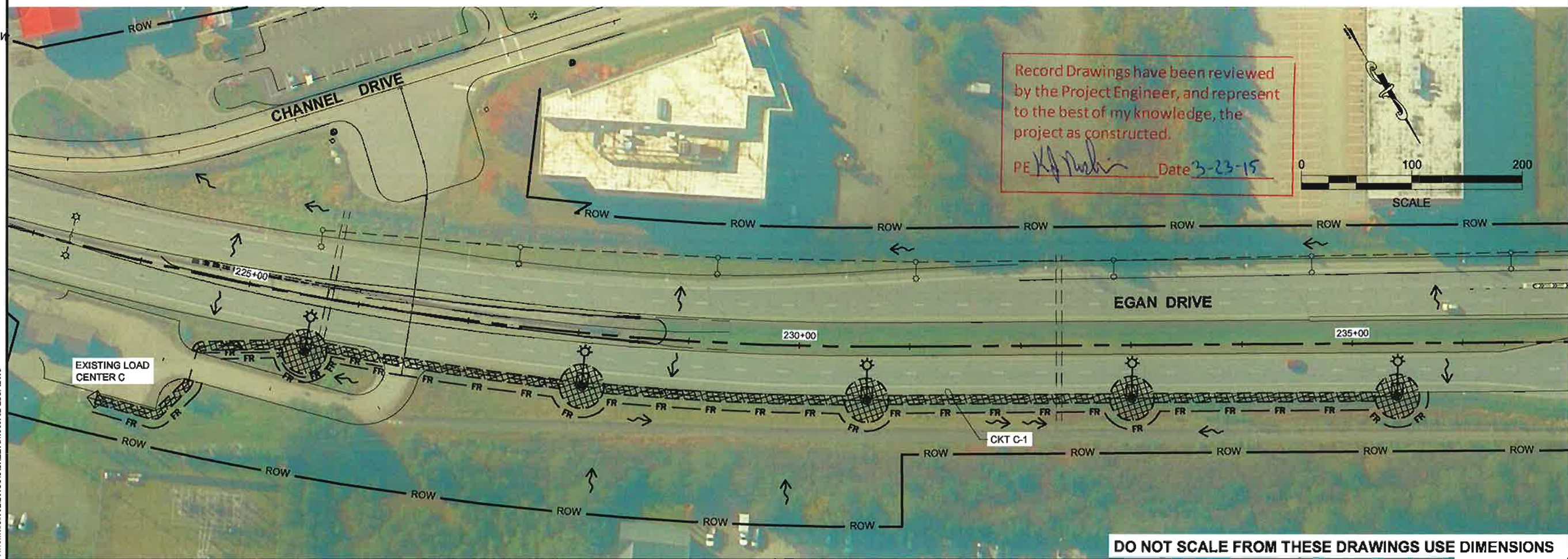
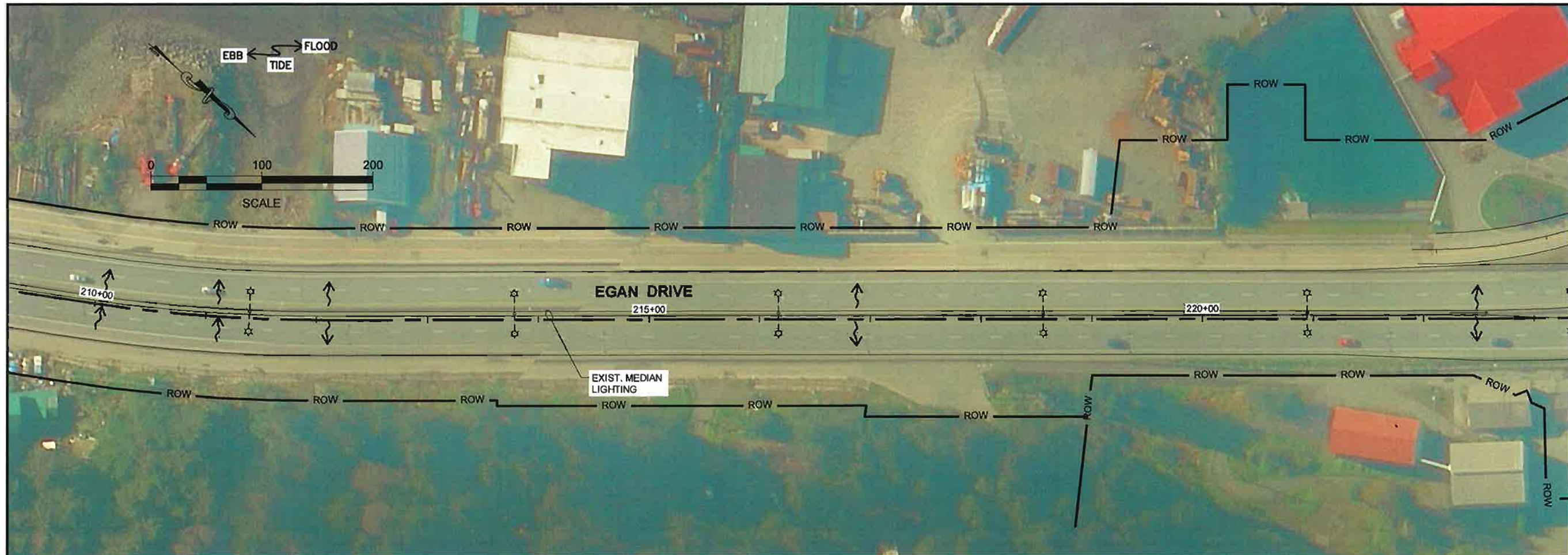
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STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P3	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

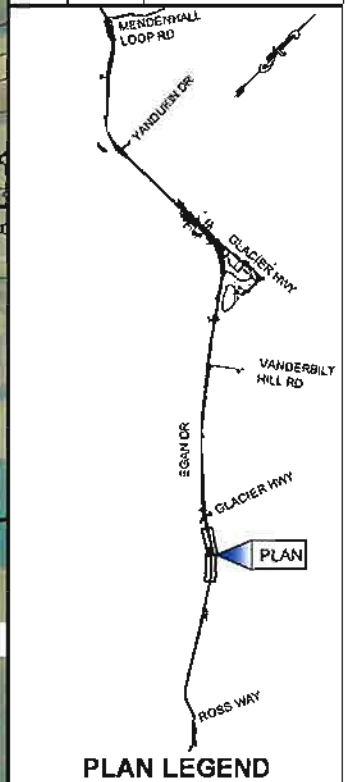
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Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3-23-15

PREPARED BY: USKH
 JORDAN HALL
 8 June 2013
 TAB P4

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRATH
 DRAWN BY: M. HIDALGO

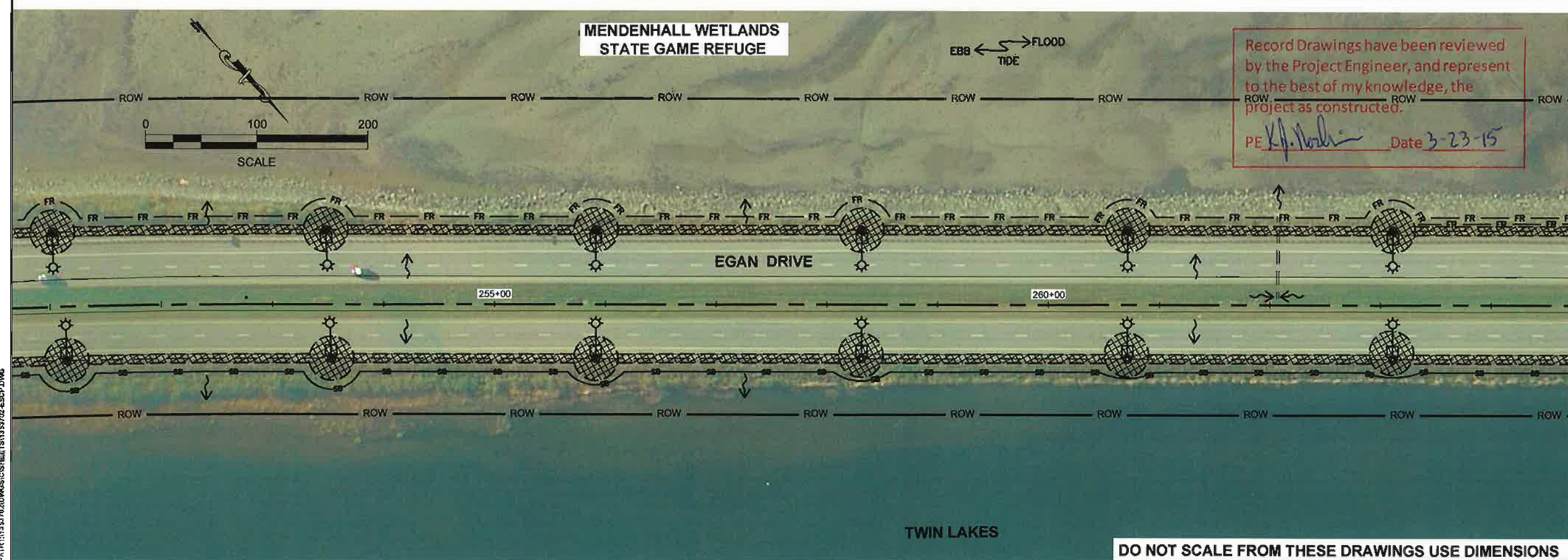
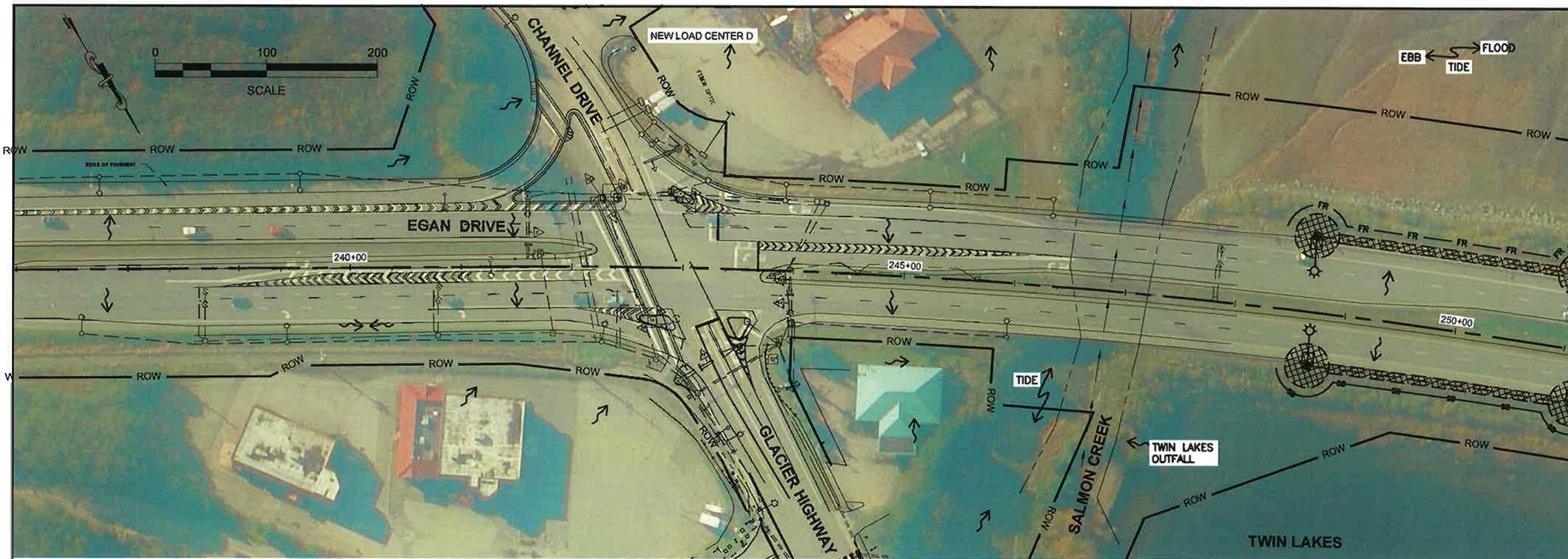
STATE OF ALASKA
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 & PUBLIC FACILITIES
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**EGAN DRIVE
 ESCP**

PROJECT DESIGNATION	
67402\EBL-0932(050)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P4	51

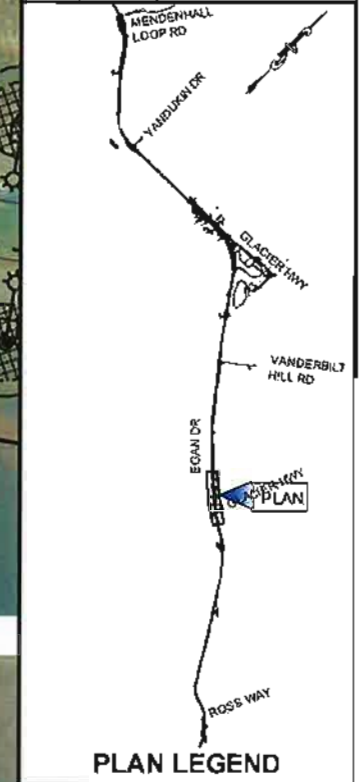
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH:H:\15702\DWG\SCHEMETS\15702-ESCP.DWG



PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 Title: P5

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 *[Signature]* Date 3-23-15

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

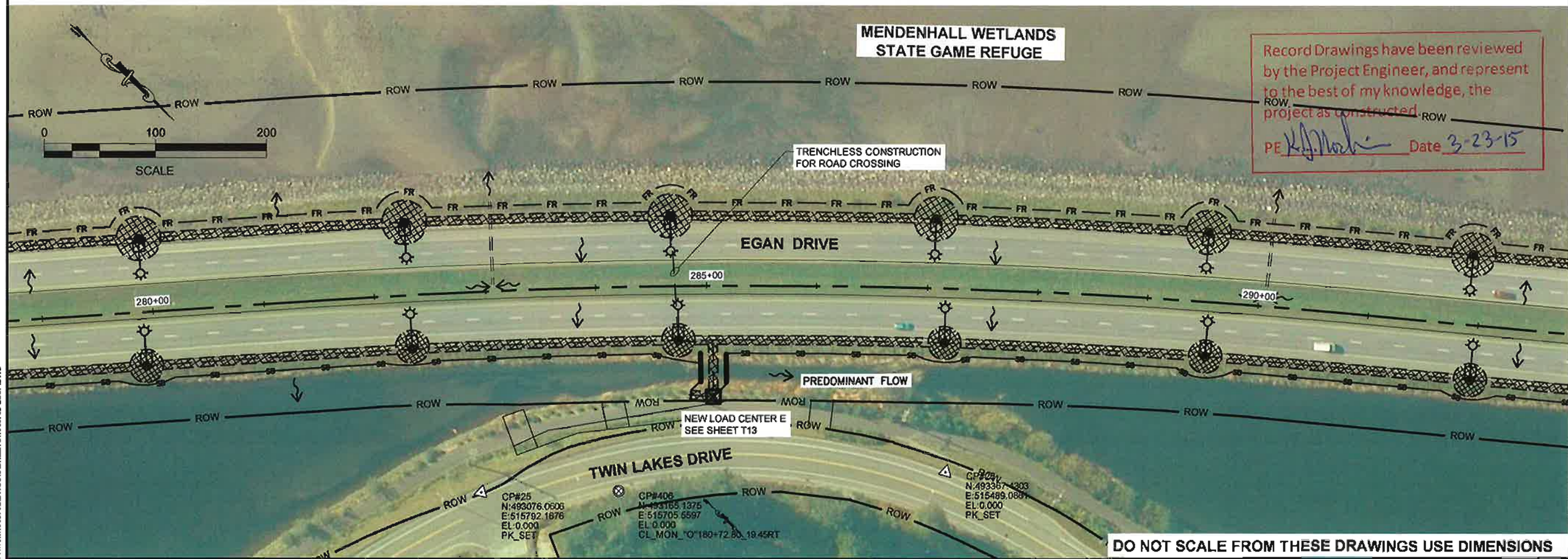
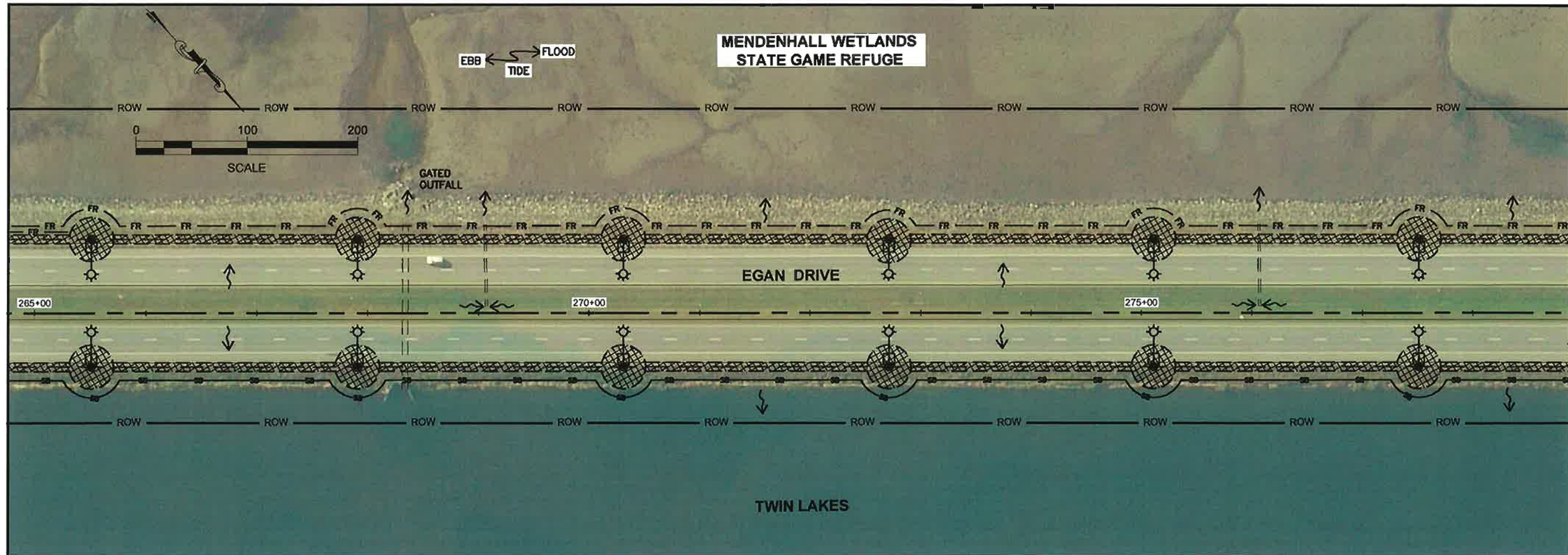
EGAN DRIVE ESCP

PROJECT DESIGNATION:
67402\EBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P5	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\13 5770\DWG\CS\HEETS\13 57702-ESCP.DWG



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3-23-15

PREPARED BY: USGS
 JORDAN HALL
 6 June 2013
 TAB: P6

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No	DATE	DESCRIPTION

PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRATH

DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

**EGAN DRIVE
 ESCP**

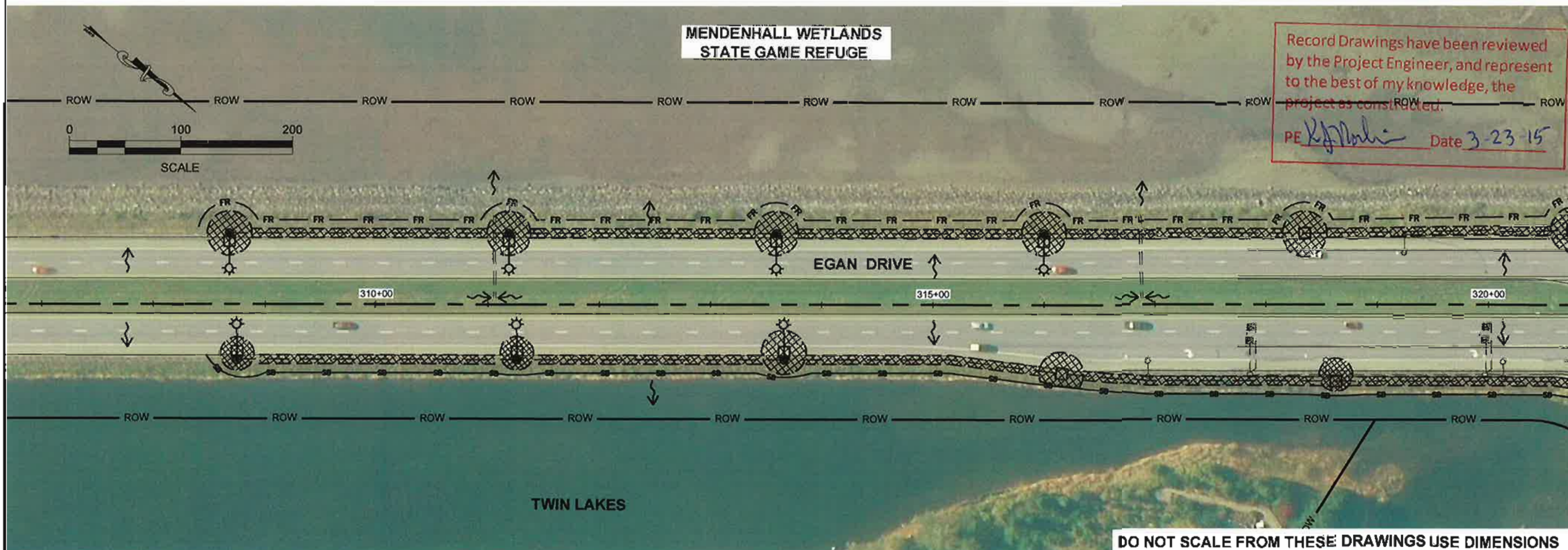
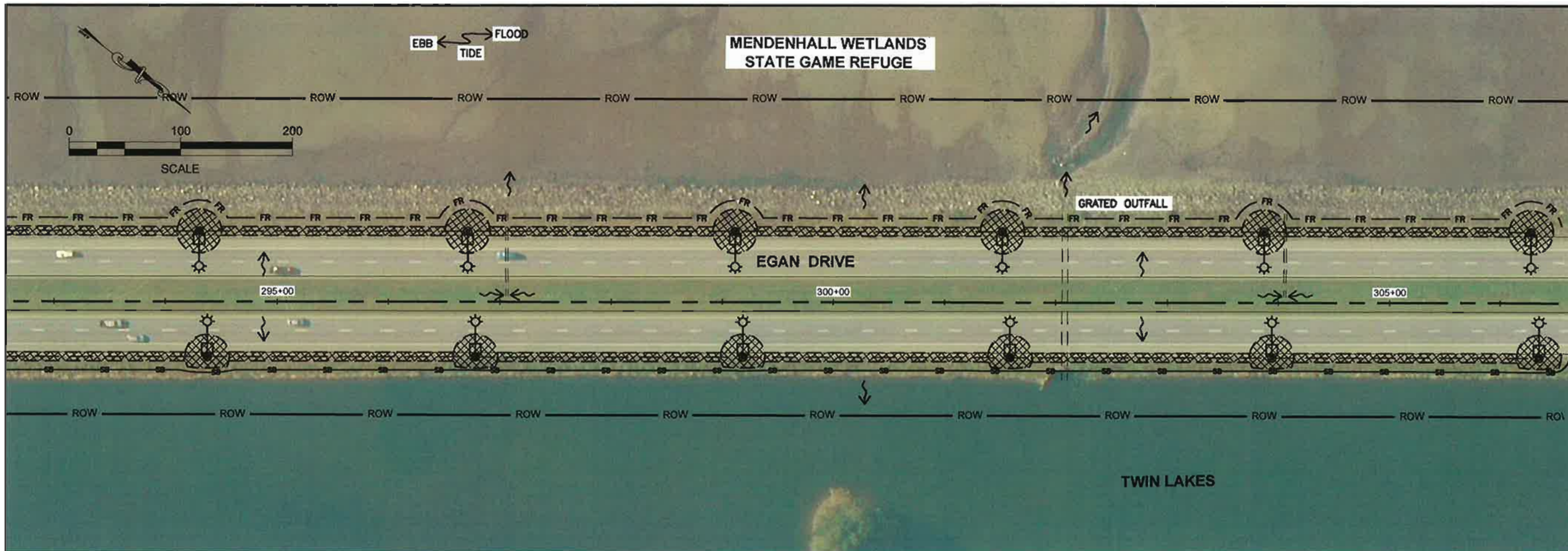
PROJECT DESIGNATION
67402\EBL-0932(050)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
P6	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

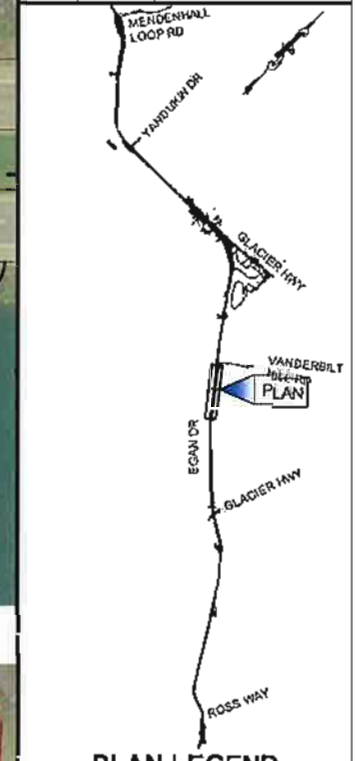
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Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *K. J. [Signature]* Date 3-23-15

PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 TAB: P7

AGENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: W. WEBB

DESIGNED BY: L. GALDRAVIN
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

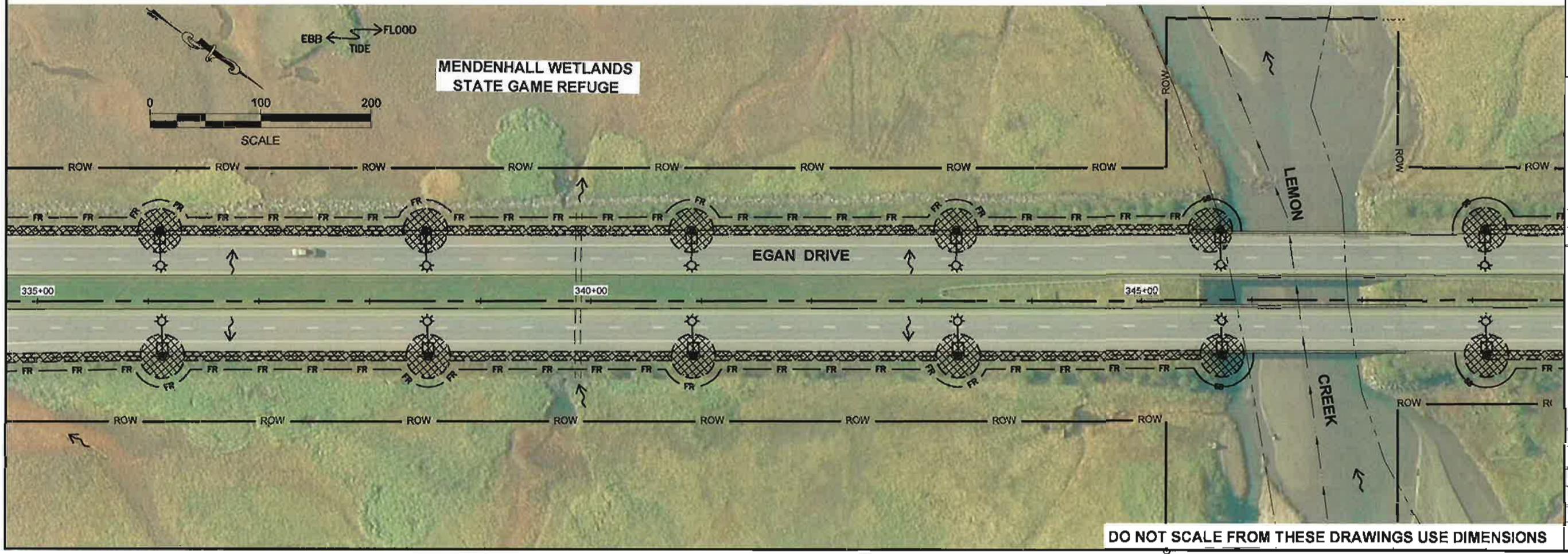
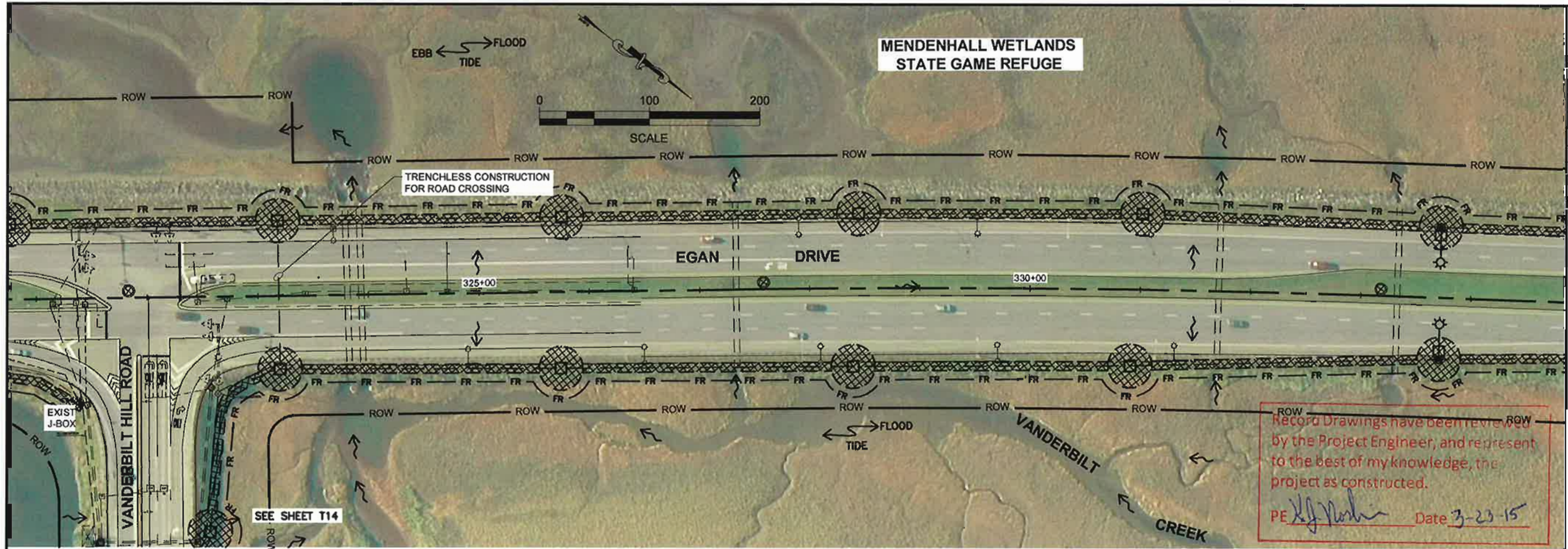
**EGAN DRIVE
 ESCP**

PROJECT DESIGNATION
67402/EBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P7	51

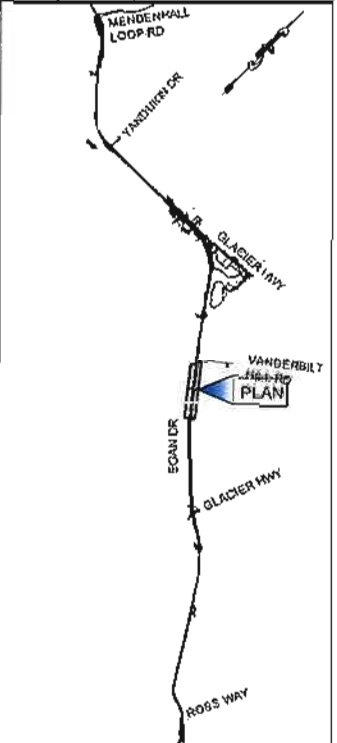
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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PREPARED BY: US/1
 JORDAN HALL
 6 June 2013
 TAB: P8

APPENDIX 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 *[Signature]* Date 3-23-15

PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HODALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTH-EAST REGION

**JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION**

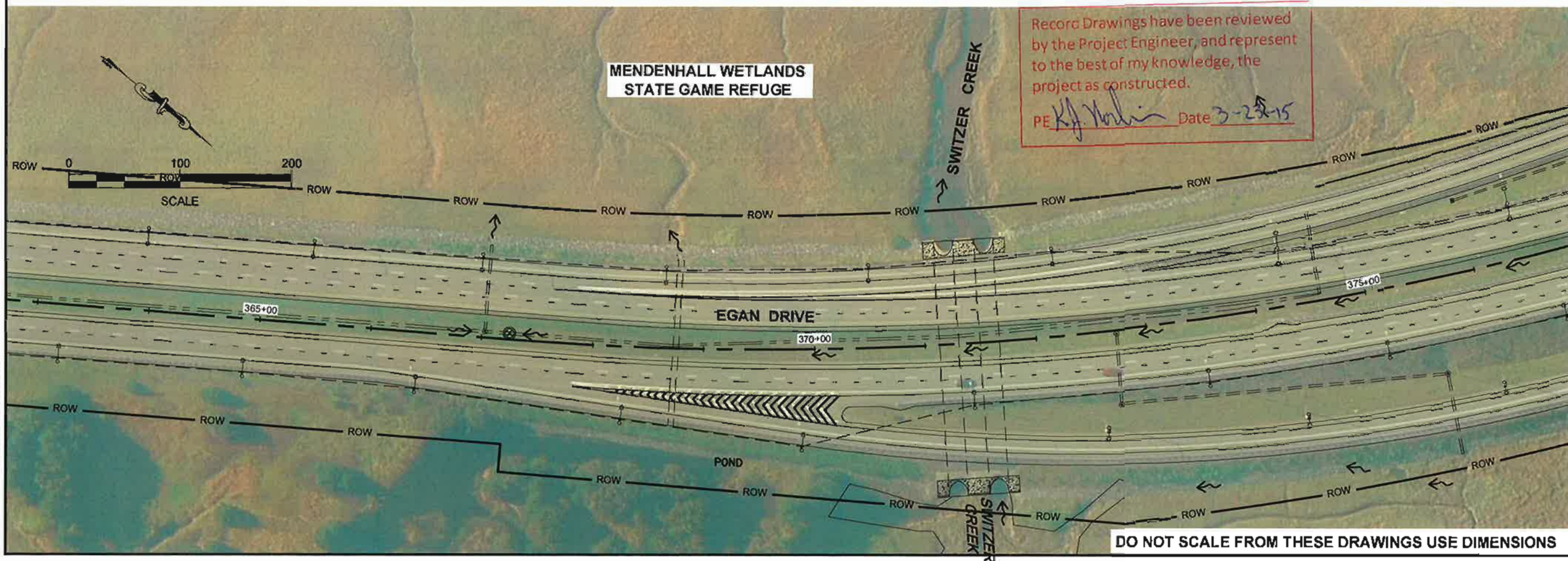
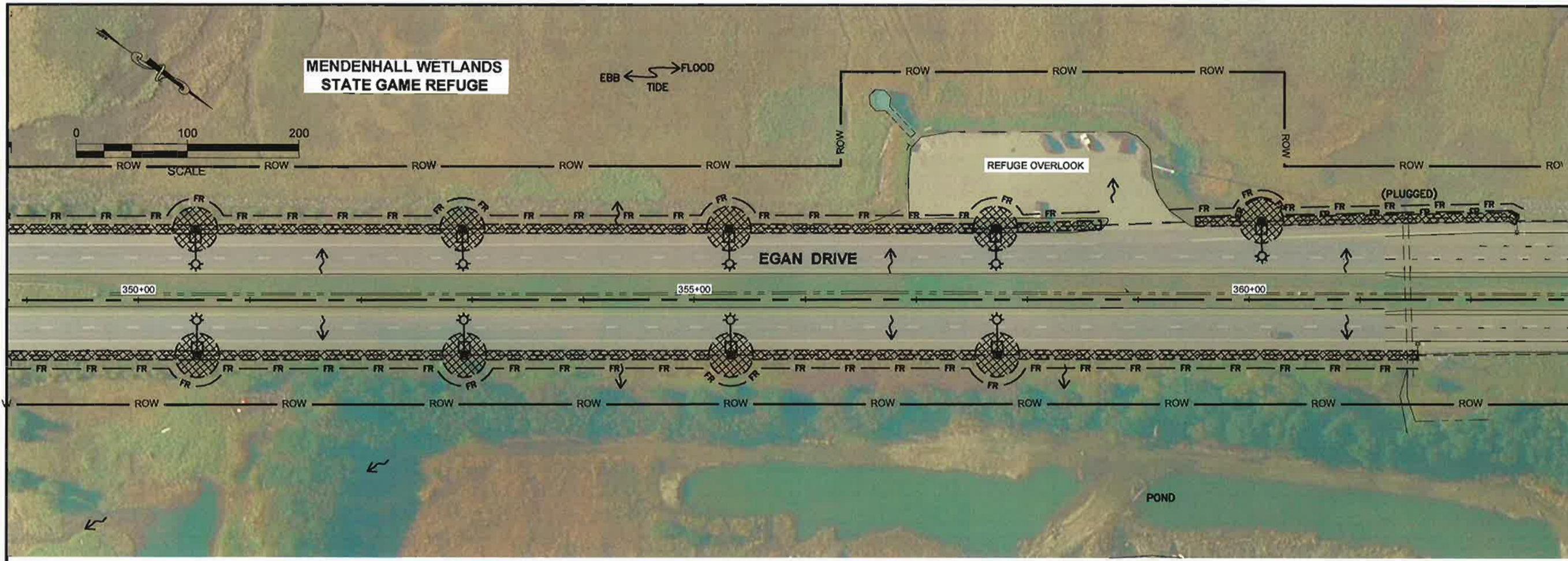
**EGAN DRIVE
 ESCP**

PROJECT DESIGNATION
67402\EBL-0932(050)

STATE:	YEAR:
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P8	51

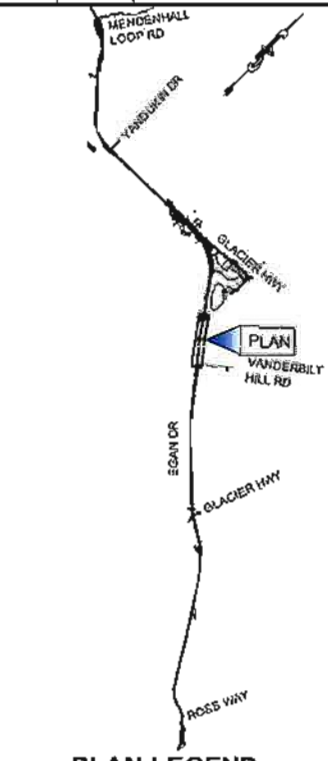
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\1158702\DWG\ESC\1158702.ESCP.DWG



PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 TAB: P9

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No	DATE	DESCRIPTION



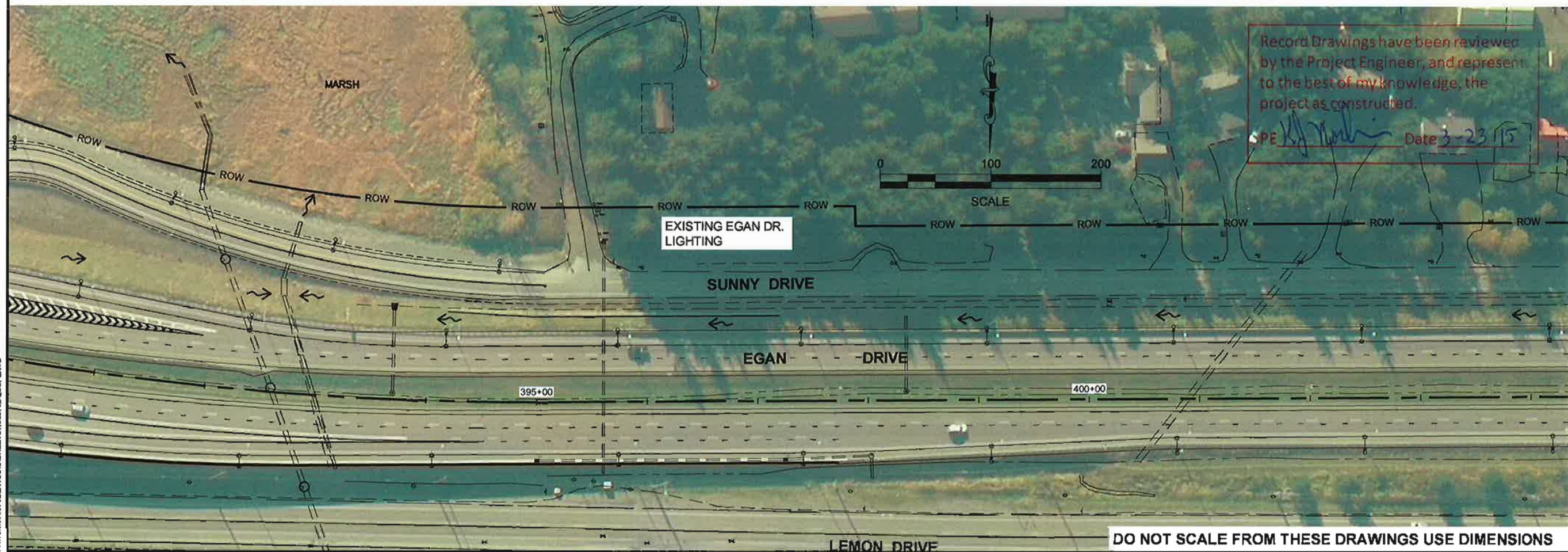
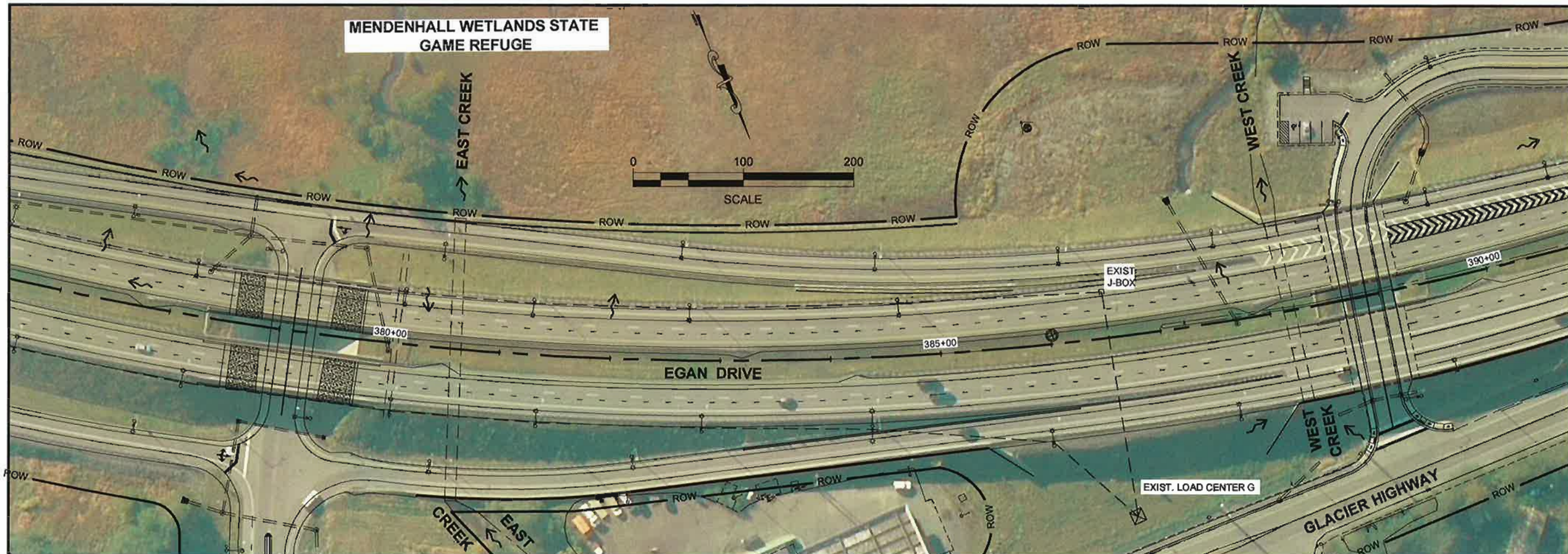
CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHEAST REGION
 JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

EGAN DRIVE ESCP	
PROJECT DESIGNATION	
67402IEBL-0932(050)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P9	51

PATH: I:\13\13702\DWG\SCHEMETS\1313702_ESCP.DWG

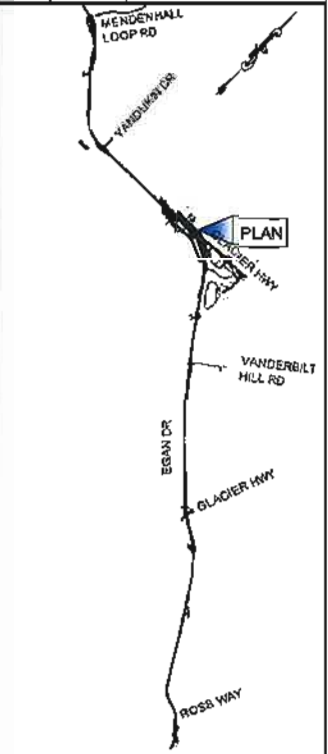


Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3-23-15

MENDENHALL WETLANDS STATE GAME REFUGE

PREPARED BY: USKH
 JORDAN HALL
 5 June 2013
 TAB: P10

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: W. WEBB

DESIGNED BY: E. GALBRUNTI
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

**JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION**

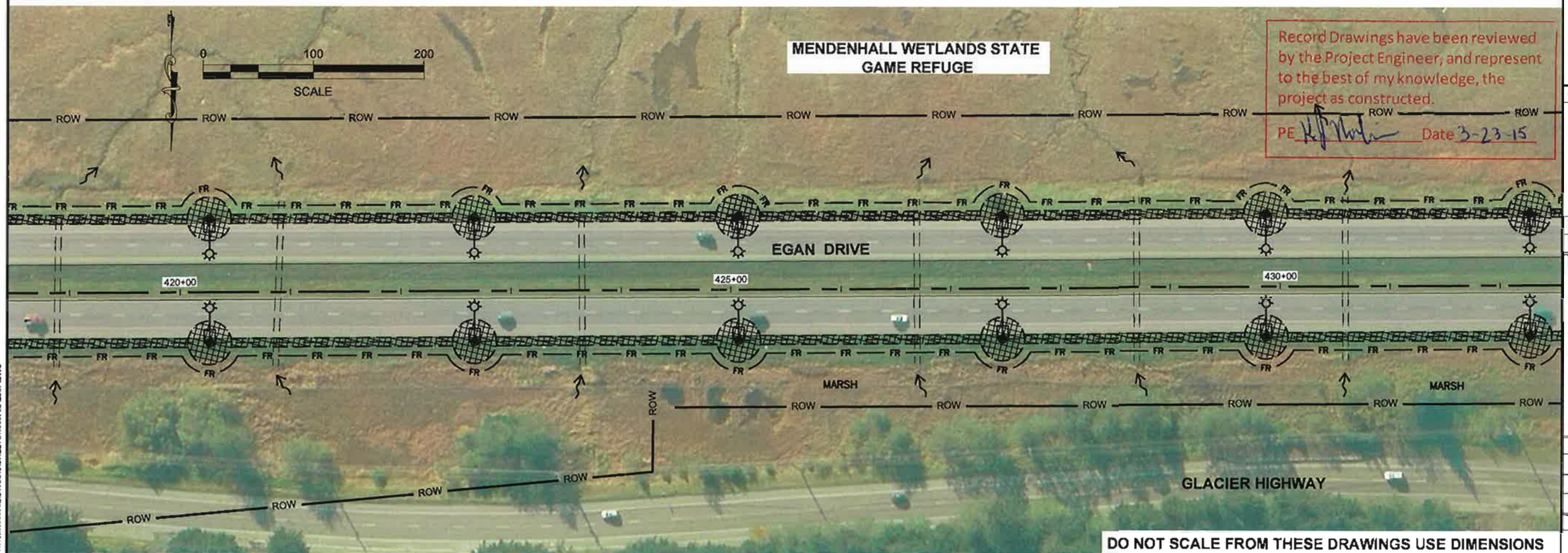
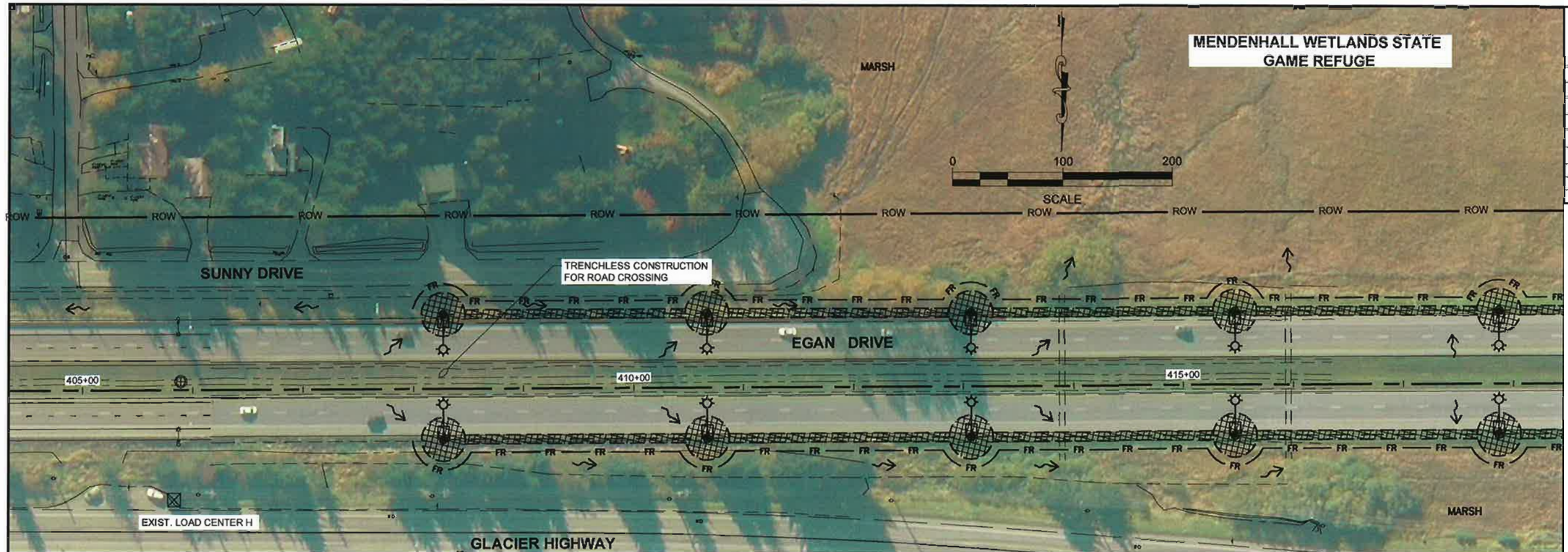
EGAN DRIVE ESCP

PROJECT DESIGNATION
67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P10	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\1353702\DWGS\CS\SHEET\1353702-ESCP.DWG



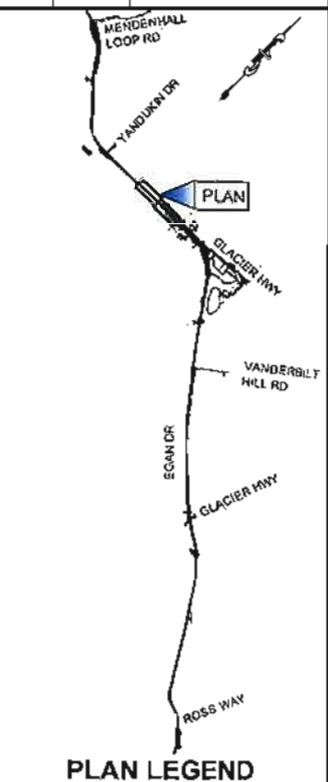
MENDENHALL WETLANDS STATE GAME REFUGE

MENDENHALL WETLANDS STATE GAME REFUGE

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3-23-15

PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 TA2: P11

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



Checked by: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

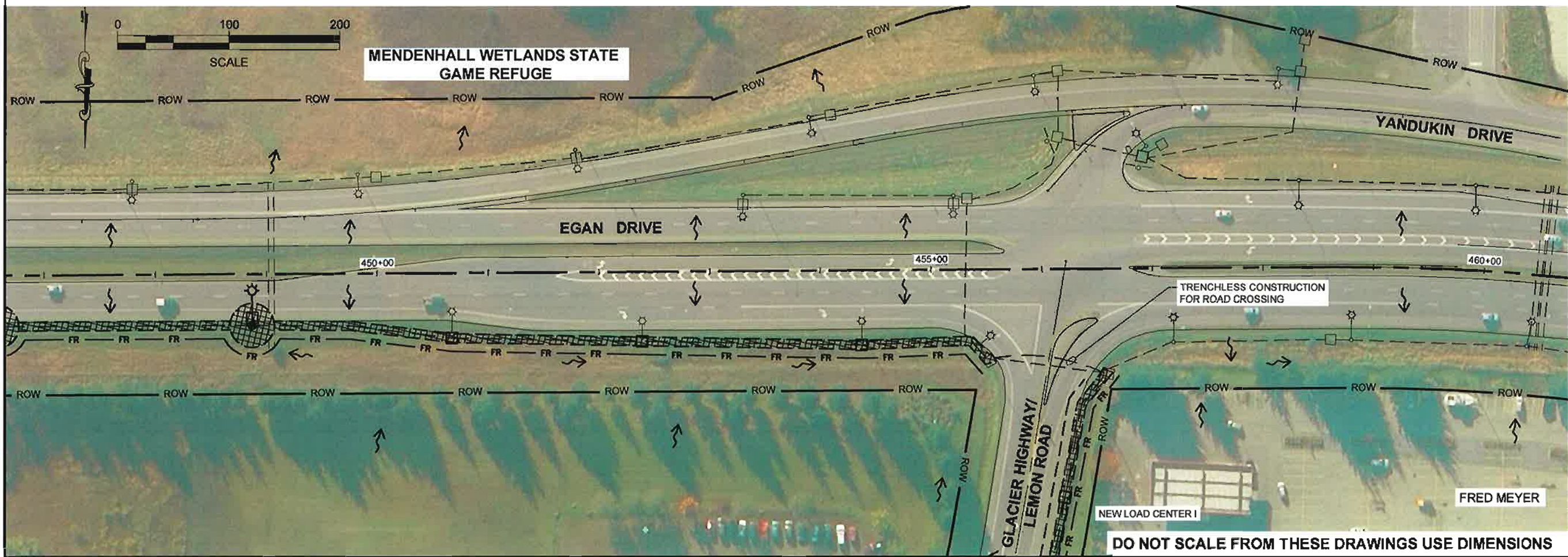
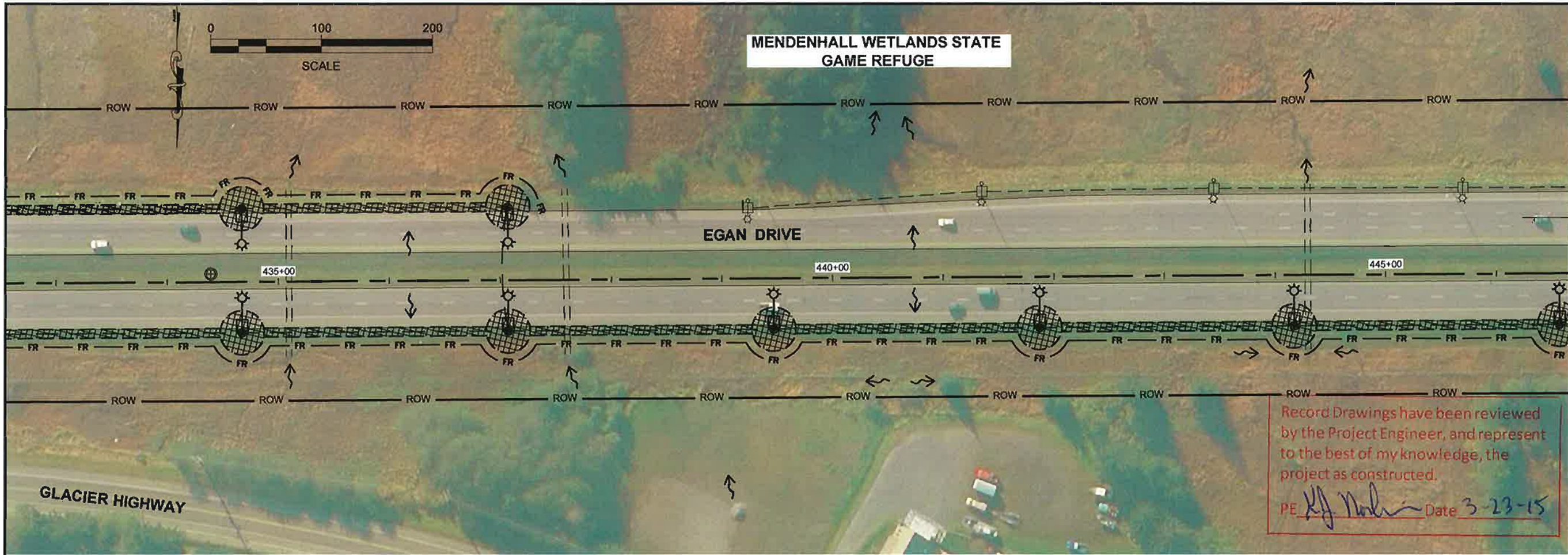
EGAN DRIVE ESCP

PROJECT DESIGNATION
67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P11	51

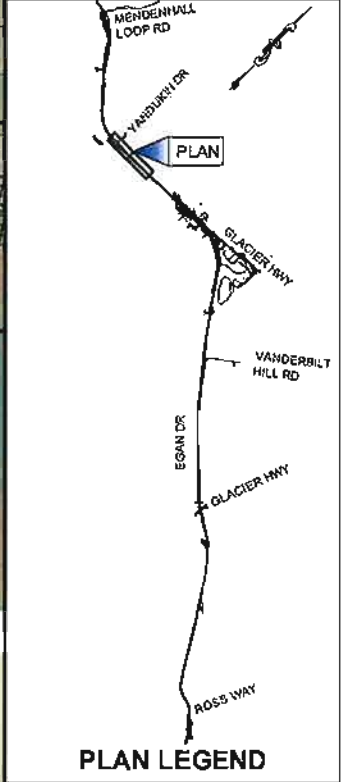
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PATH: I:\1313702\DWG\CS\SHETS\1313702-ESCP.DWG



PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 TAR: P12

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: W. WEBB

DESIGNED BY: L. GALERANTH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

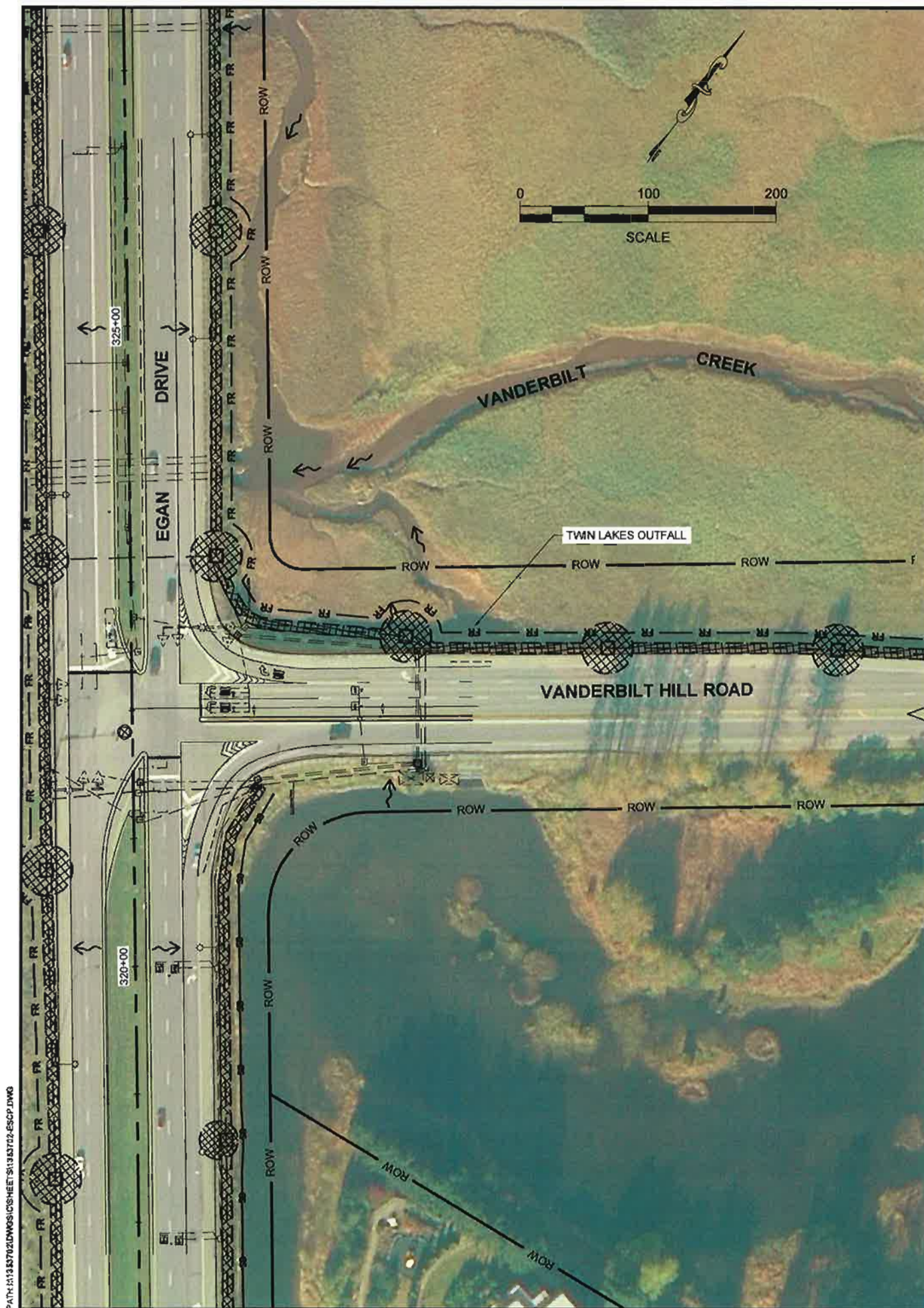
**JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION**

EGAN DRIVE ESCP

PROJECT DESIGNATION
67402\EBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P12	51

P:\TIC\1313\3702\DWG\SCHEMETS\1313\3702-ESCP.DWG



Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *K. J. [Signature]* Date 3-23-15

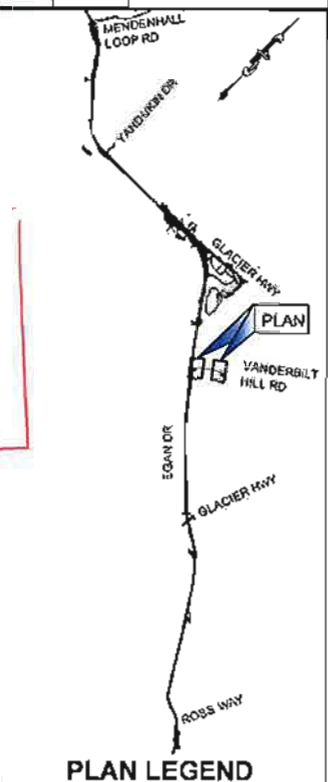
PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 TAB: P14

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH

DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

VANDERBILT INTERSECTION ESCP

PROJECT DESIGNATION

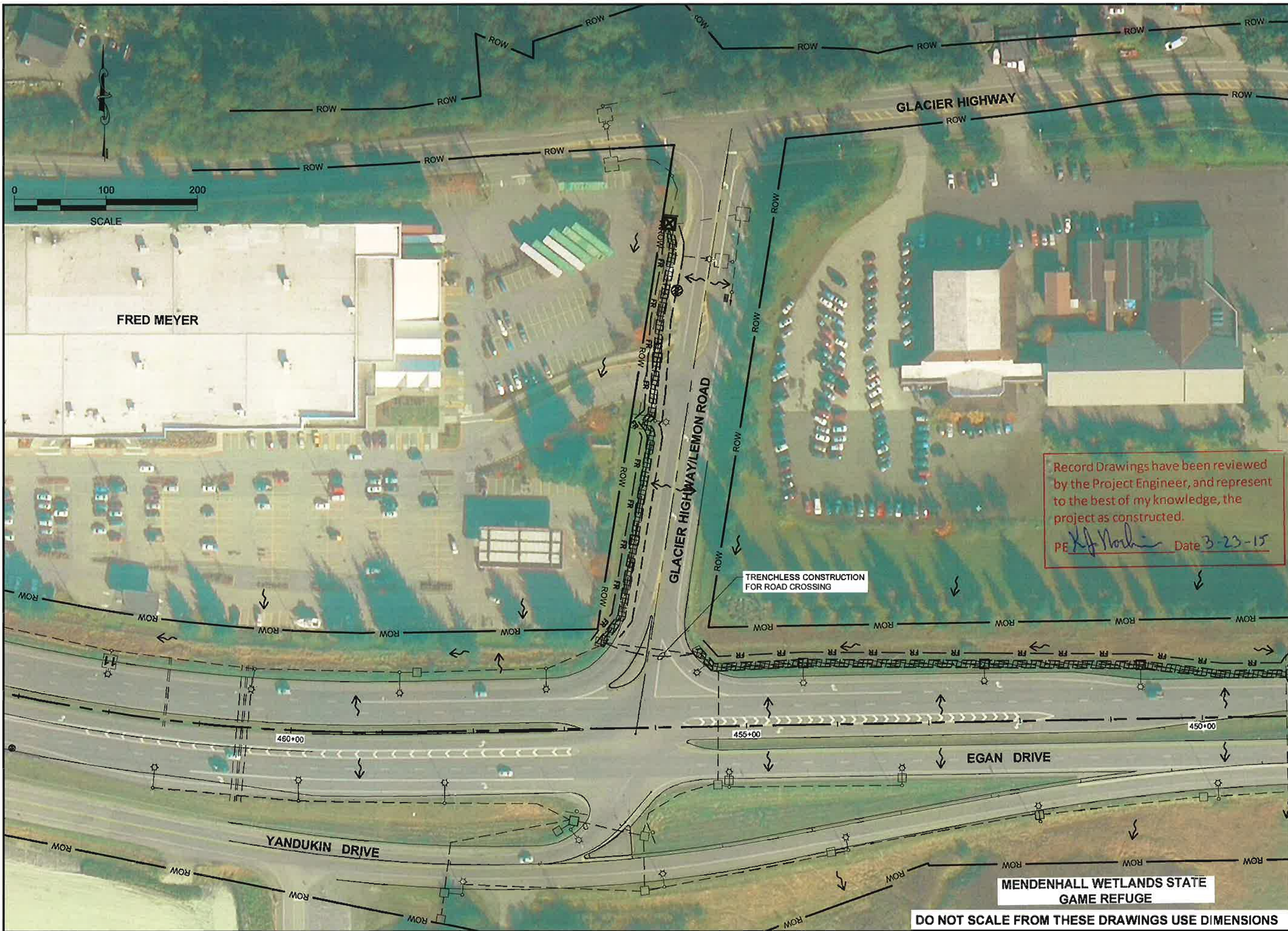
67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013

SHEET NUMBER	TOTAL SHEETS
P14	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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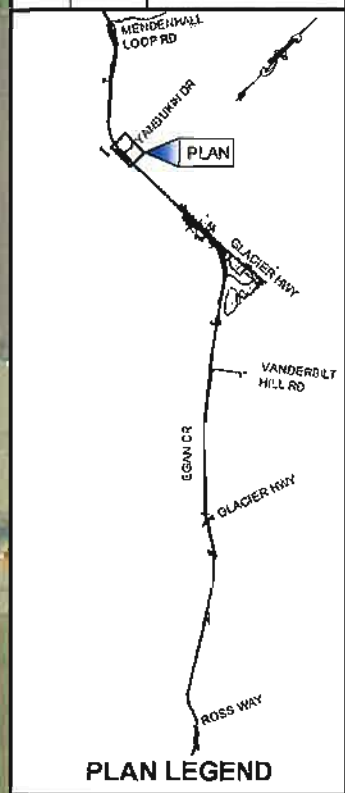
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
 PE *[Signature]* Date 3-23-15

TRENCHLESS CONSTRUCTION FOR ROAD CROSSING

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PREPARED BY: USKH
 JORDAN HALL
 6 June 2013
 TAB: P15

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



CHECKED BY: W. WEBB

DESIGNED BY: L. GALBRAITH
 DRAWN BY: M. HIDALGO

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 SOUTHEAST REGION

JNU: EGAN DRIVE
 ADDITIONAL ILLUMINATION

VANDERBILT INTERSECTION ESCP

PROJECT DESIGNATION
67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
P15	51

PATH:141135702\DWG\SCS\SHEETS\135702-ESCP.DWG

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. THE LENGTH OF WORK AREA SHALL BE MINIMIZED TO AVOID EXCESSIVE TRAFFIC DELAYS AS DIRECTED BY THE ENGINEER.
6. MAX. CONE OR DRUM SPACING SHALL NOT EXCEED 45' ON TAPERS OR 90' ON TANGENTS.
7. TWO LANE TRAFFIC SHALL BE MAINTAINED ON THE EGAN DR. SOUTHBOUND LANES BETWEEN 7:00 AM AND 9:00 AM AND BETWEEN 4:00 PM AND 6:00 PM FOR EGAN DR. NORTHBOUND LANES.
8. WHEN WORKING ON EGAN DR. SHOULDERS, THE CONTRACTOR SHALL CLOSE THE RIGHT LANE.
9. 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. TRAFFIC CONTROL SHALL CONFORM TO THE ALASKA TRAFFIC MANUAL AND THE MUTCD.
10. THE CONTRACTOR IS RESPONSIBLE FOR SNOW REMOVAL INSIDE THE ACTIVE WORK AREA. THIS INCLUDES REMOVING SNOWFALL AND SNOW PLOWED BY DOT&PF MAINTENANCE OF EGAN HIGHWAY. THE ROADWAY MUST BE CLEARED UP TO THE FACE OF THE GUARDRAIL BEFORE ALLOWING TRAFFIC BACK ON THE ROAD.
11. THE CONTRACTOR IS RESPONSIBLE FOR CLEARING SNOW FROM NEW WORK AREAS, INCLUDING SNOW BUILT-UP FROM DOT&PF MAINTENANCE OF EGAN HIGHWAY.

Legend

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

FORMULAS FOR L (TAPER LENGTH)

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

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

WHERE W = WIDTH OF OFFSET
S = POSTED SPEED LIMIT

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

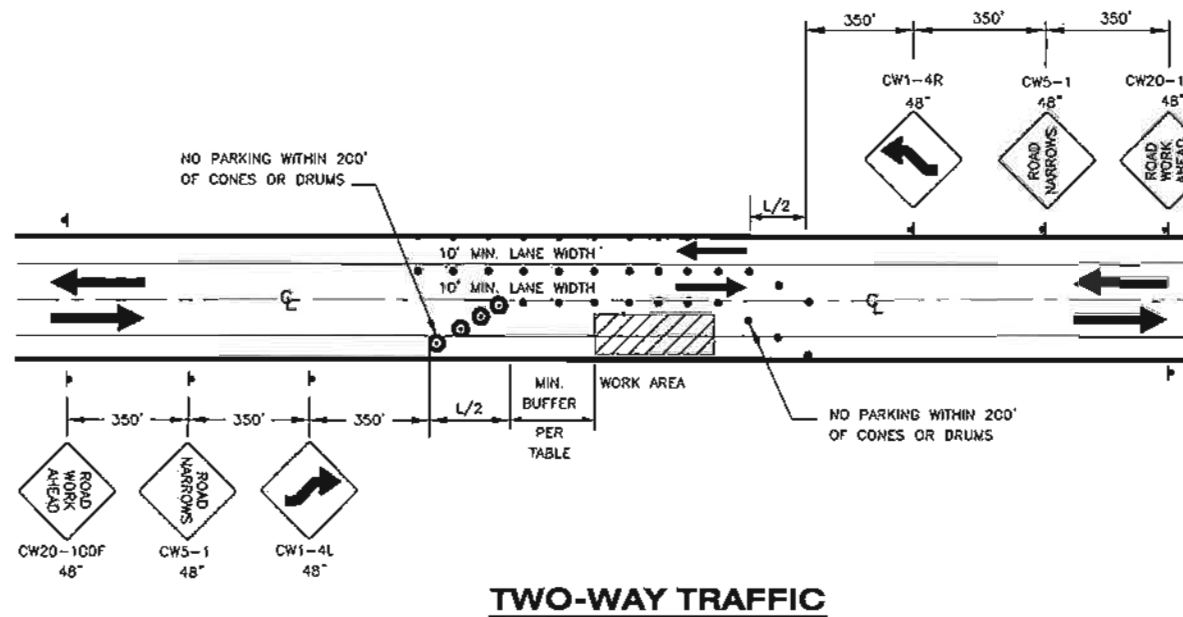
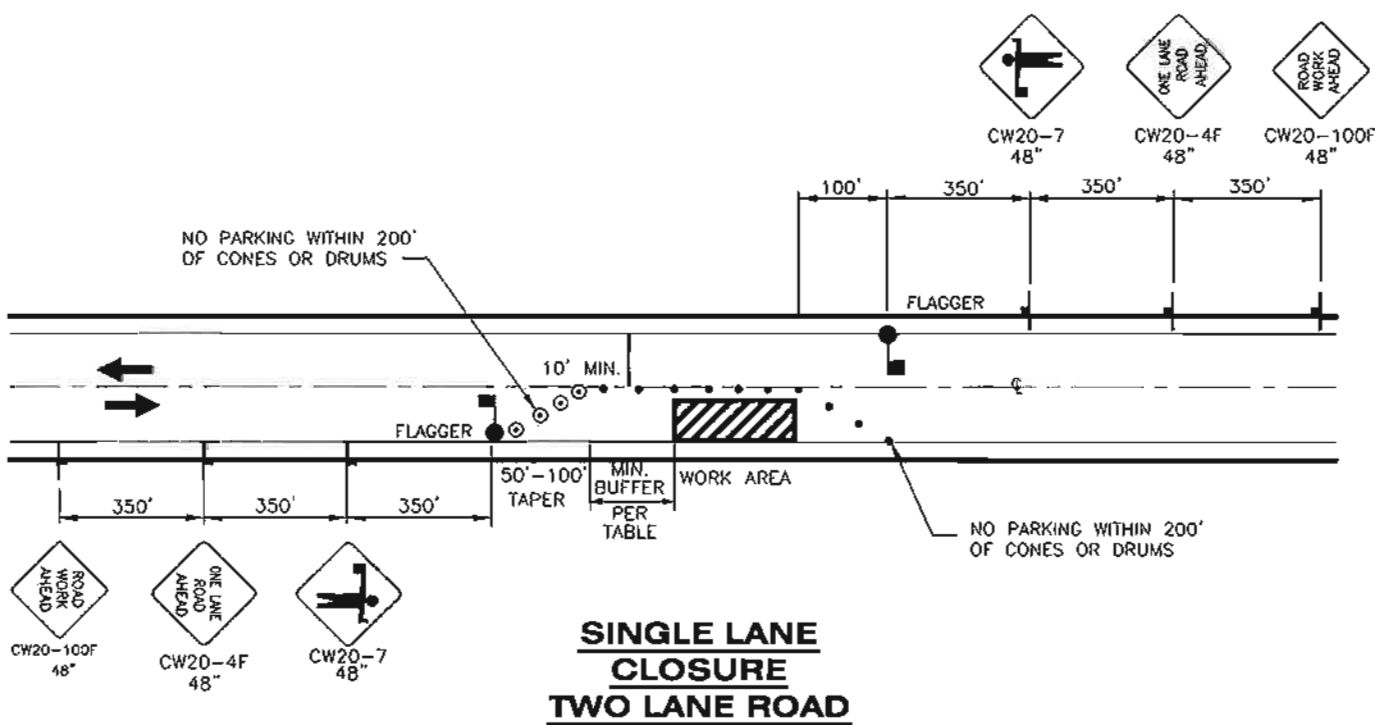
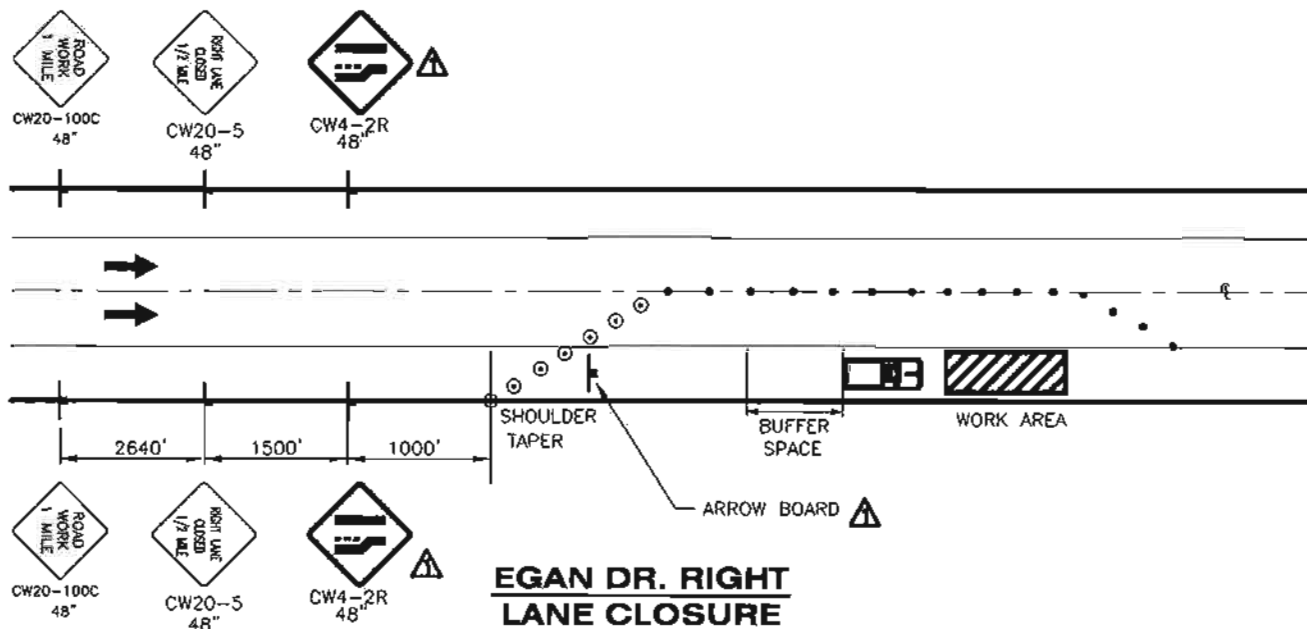
RECORD DRAWING

THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.

By *Jan Kallweit* Date *02/05/15*

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

PE *KJ Nishik* Date *3-23-15*



DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PREPARED BY: USKH
WALL WEBB
7 June 2013
TAB. T01

ADDENDUM NUMBER		
ATTACHMENT NUMBER		
RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	8/7/13	EDIT NOTE 5, ADD ARROW BOARD, CORRECT CONE SYMBOLS

PLAN LEGEND

CHECKED BY: NCL

DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
SOUTHEAST REGION

JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

TRAFFIC CONTROL PLAN

PROJECT DESIGNATION
67402IEBL-0932(050)

STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
T1	51

TRAFFIC CONTROL PLAN

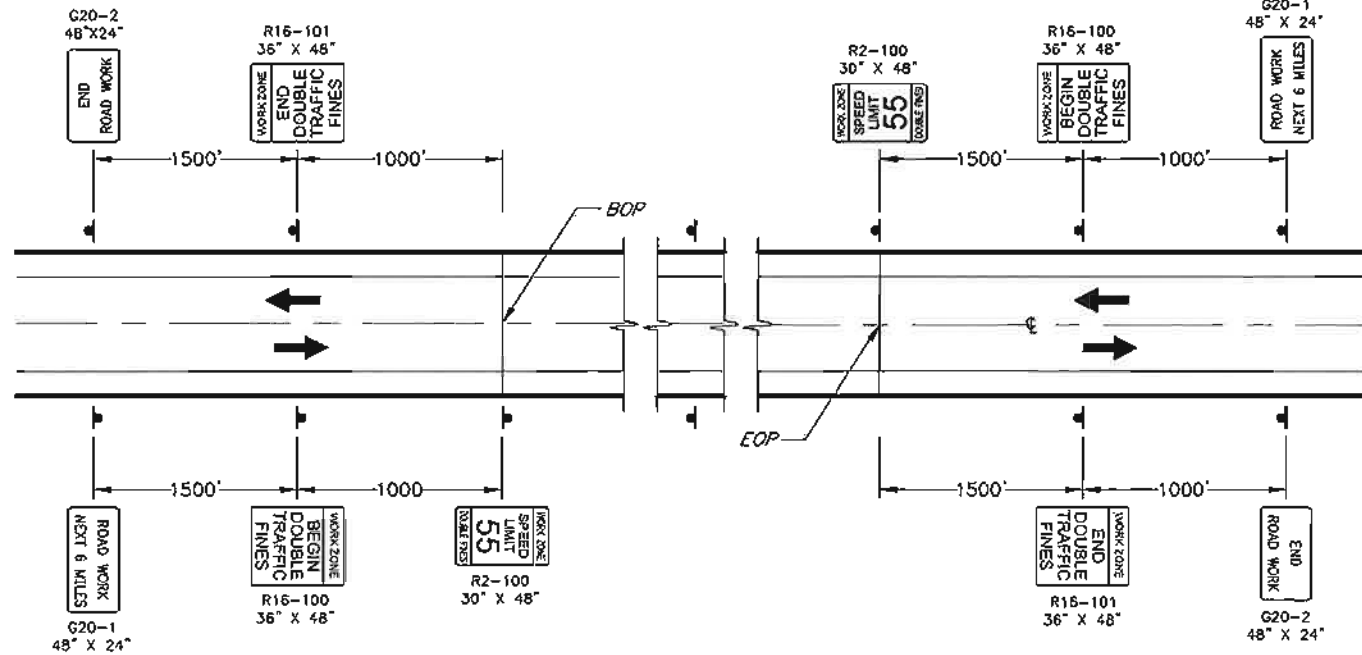
PREPARED BY: USKH
WILL WEBB
7 June 2013
TAB: T02

ADDENDUM NUMBER

ATTACHMENT NUMBER

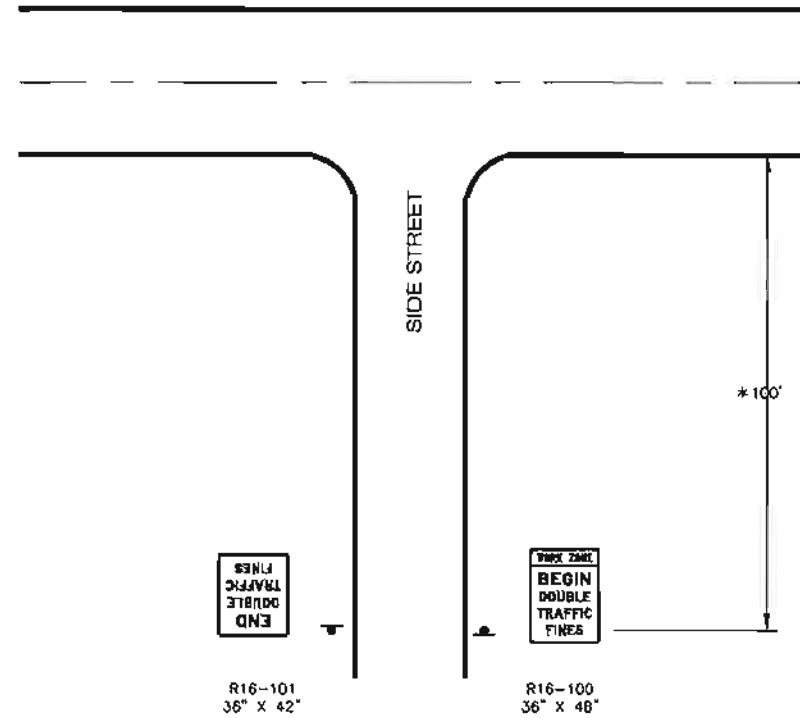
RECORD OF REVISIONS

No	DATE	DESCRIPTION
1	6/7/13	ED:7 SIDE STREET SIGN DETAIL



PERMANENT CONSTRUCTION SIGNING

- USE AT:
1. BOP / NORWAY PT.
 2. EOP / YANDUKIN DR. (FRED MEYER)



PERMANENT CONSTRUCTION SIGNING SIDE STREET APPROACHES

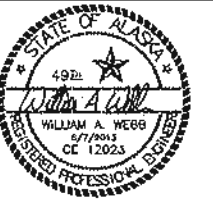
* OR AS DIRECTED BY THE ENGINEER

Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE *[Signature]* Date 3-23-15

RECORD DRAWING
THESE DRAWINGS HAVE BEEN PREPARED BY STANTEC FROM INFORMATION AND DOCUMENTS SUPPLIED BY THE GENERAL CONTRACTOR AND INFORMATION GATHERED BY STANTEC. STANTEC BELIEVES THESE DRAWINGS ARE AN ACCURATE REPRESENTATION OF THE CONSTRUCTION TO THE BEST OF OUR KNOWLEDGE. AN AS-BUILT SURVEY HAS NOT BEEN PERFORMED. STANTEC ASSUMES NO RESPONSIBILITY FOR ERRORS OR OMISSIONS INCORPORATED AS A RESULT OF INACCURATE INFORMATION PROVIDED TO STANTEC. FIELD VERIFY INFORMATION CONTAINED HEREON BEFORE USING.
By *[Signature]* Date 02/05/15

PLAN LEGEND

CHECKED BY: NCL



DESIGNED BY: NCL

DRAWN BY: WJP

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHEAST REGION

JNU: EGAN DRIVE
ADDITIONAL ILLUMINATION

TRAFFIC CONTROL PLAN

PROJECT DESIGNATION	
67402 EBL-0932(050)	
STATE	YEAR
ALASKA	2013
SHEET NUMBER	TOTAL SHEETS
T2	51

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

PAT:113353702.DWG\CSH\HEETS\13353702-T02.DWG

TRAFFIC CONTROL PLAN