

FILE: C:\jnu\89393\PlanSet\89393_A1_TITL.dwg DATE: 7/13/2018 11:16 LAYOUT: TITLE SHEET DESIGNED: TF, CT, NG CHECKED: CT DRAFTED: RG, NG

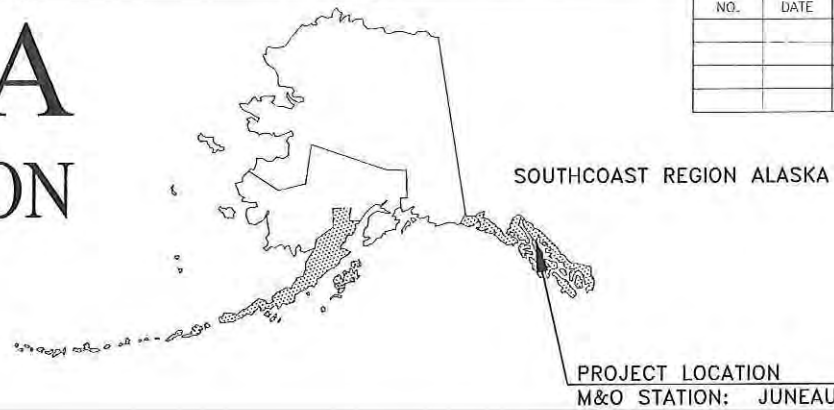
STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

PROPOSED HIGHWAY PROJECT

JNU EGAN DRIVE IMPROVEMENTS MAIN STREET TO 10TH STREET PROJECT NO. NH-0932(047)/69393

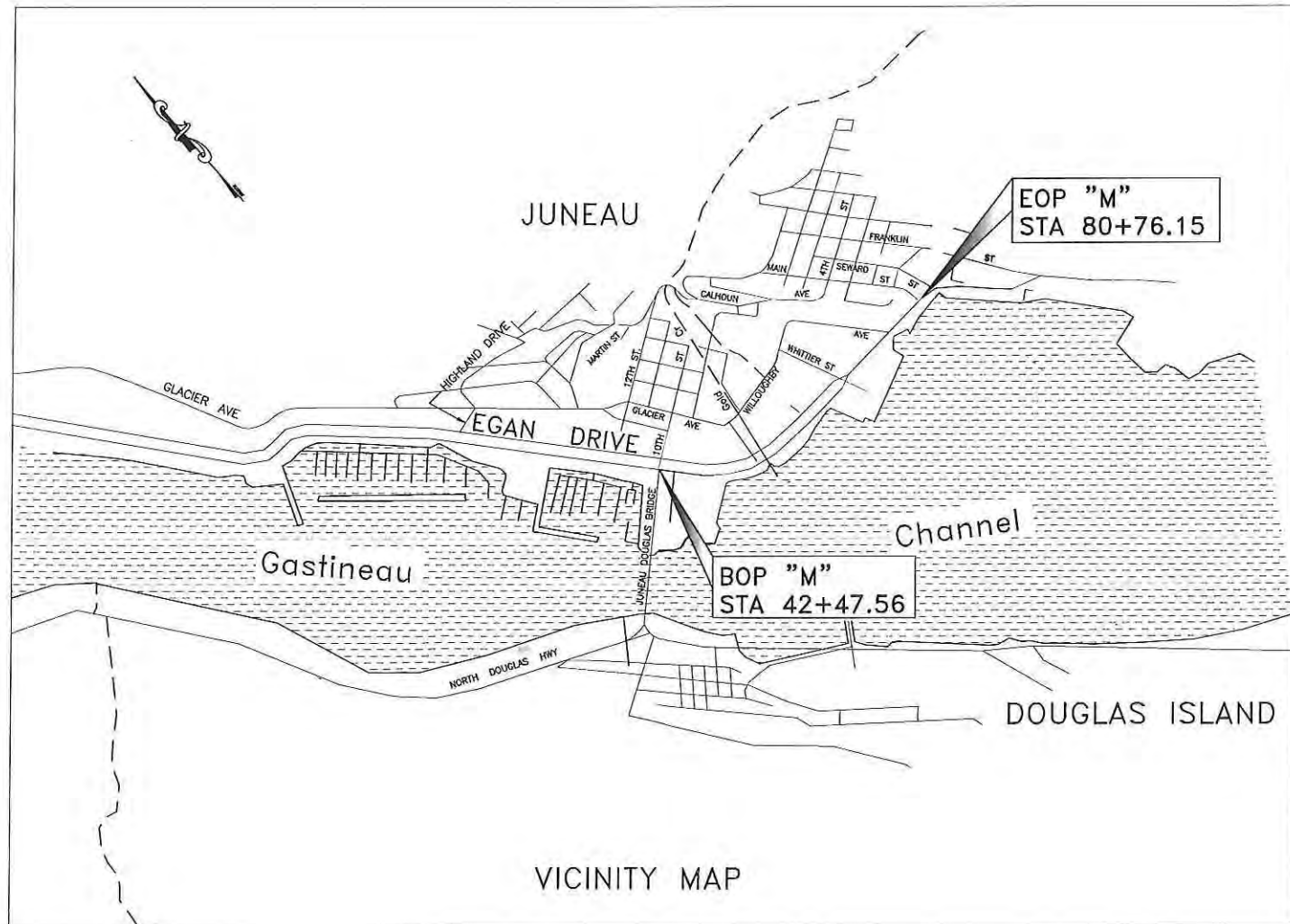
GRADING, DRAINAGE, PAVING, PATHWAYS, SIGNING, STRIPING, ILLUMINATION & SIGNALIZATION,
RETAINING WALL AND SIDE SLOPE STABILIZATION



NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL 'A' SHEETS
			ALASKA	NH-0932(047)/69393	2018	A1	A10
CDS ROUTE: 296000						MILEPOINT: 0.69 TO 0.00	
CDS ROUTE: 2696009						MILEPOINT: 0.00 TO 0.04	
						PLAN SET TOTAL	182

PROJECT SUMMARY	
EGAN DR/GLACIER HWY & MARINE WAY	
WIDTH OF PAVEMENT	43' TO 75'
LENGTH OF PAVING	3,828'
LENGTH OF PROJECT	3,828'

DESIGN DESIGNATIONS	
FUNCTIONAL CLASS	URBAN PRINCIPAL ARTERIAL
ADT (2017)	13,990
ADT (2037)	14,710
DHV 2017	1680
DHV 2037	1760
PERCENT TRUCKS (T)	11.5%
DIRECTIONAL SPLIT (D)	55/45
DESIGN SPEED (V)	40/35/25 MPH
DESIGN EAL'S (20 YEARS)	5,650,000



The undersigned hereby certifies that this duplicated document is an exact and true copy of the original.

Kami Bartness

April 4, 2019

USE THESE PLANS IN CONJUNCTION WITH THE STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2017 EDITION AND THE PROJECT SPECIAL PROVISIONS.

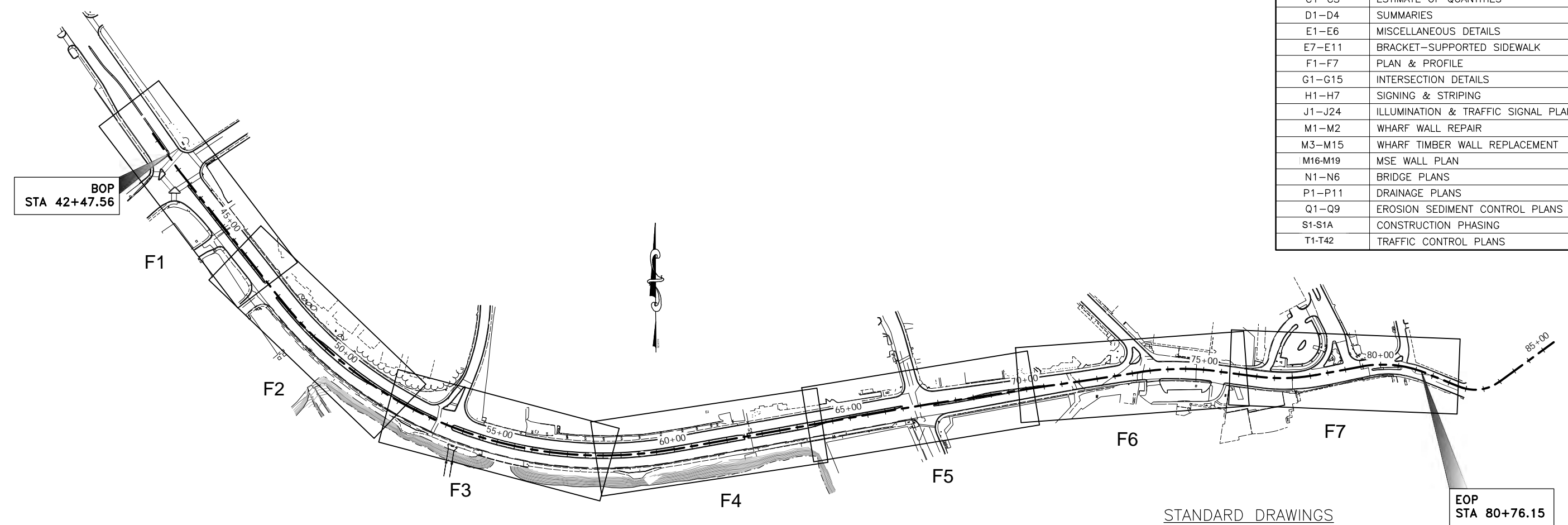
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

APPROVED: *Pat Carroll* 8/24/18
REGIONAL PRECONSTRUCTION ENGINEER DATE
L. PAT CARROLL, P.E.

CONCURRED: *D. Lance Mearig* 24 Aug 2018
REGIONAL DIRECTOR DATE
D. LANCE MEARIG, P.E.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	A2	A10

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SHEET LAYOUT INDEX & GENERAL NOTES
A3	LEGEND & SYMBOLS
A4-A9	SURVEY CONTROL PLAN
A10	WORK BY OTHERS
B1-B3	TYPICAL SECTIONS
C1-C3	ESTIMATE OF QUANTITIES
D1-D4	SUMMARIES
E1-E6	MISCELLANEOUS DETAILS
E7-E11	BRACKET-SUPPORTED SIDEWALK
F1-F7	PLAN & PROFILE
G1-G15	INTERSECTION DETAILS
H1-H7	SIGNING & STRIPING
J1-J24	ILLUMINATION & TRAFFIC SIGNAL PLANS
M1-M2	WHARF WALL REPAIR
M3-M15	WHARF TIMBER WALL REPLACEMENT
M16-M19	MSE WALL PLAN
N1-N6	BRIDGE PLANS
P1-P11	DRAINAGE PLANS
Q1-Q9	EROSION SEDIMENT CONTROL PLANS
S1-S1A	CONSTRUCTION PHASING
T1-T42	TRAFFIC CONTROL PLANS



STANDARD DRAWINGS

B-04.00	G-05.00S	S-05.01	F-01.03
B-05.00	G-10.10	I-20.20	I-20.20
C-03.10 ¹	G-31.01	T-20.03	S-01.01
C-05.20	I-81.00	T-21.03	S-30.04
D-01.02		T-22.03	I-21.10
D-04.21		T-23.00	I-22.10
D-20.04	L-23.01	T-30.11	
D-22.01	L-25.00	T-52.20	
D-23.01	L-30.10	T-54.00	
D-24.00 ²	M-13.01	T-55.00	
D-26.03	M-16.01	CBJ 406A	
D-35.00 ³	S-00.11	CBJ 407	
G-00.04			

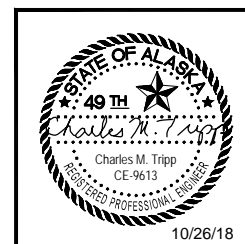
* SEE STANDARD DRAWING NOTES FOR STANDARD DRAWINGS WITH SUPERSCRIPIT

GENERAL NOTES:

1. CONTAIN ALL CONSTRUCTION WITHIN THE RIGHT-OF-WAY. DO NOT DISPOSE OF EXCESS MATERIAL WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY CALLED FOR IN THE PLANS.
2. MAKE ALL PAVEMENT CUTS CLEAN, VERTICAL, AND TRUE TO THE REMOVAL LIMITS SHOWN ON THE PLANS.
3. DO NOT COVER SIGNAL POLE FOUNDATION BOLTS AND BASE PLATES WITH TOPSOIL.

STANDARD DRAWING NOTES:

1. ON STANDARD DRAWING C-03.10, REPLACE THE SAFETY FENCE AND TYPE II BARRICADE OR TUBULAR MARKINGS SHOWN IN THE TYPICAL SECTION WITH ADA COMPLIANT BARRICADES.
2. ON STANDARD DRAWING D-24.00, GRATES SHALL BE BICYCLE SAFE.
3. ON STANDARD DRAWING D-35.00, THE STEPS/RUNGS SHALL BE IN VERTICAL ALIGNMENT. THE STEP/RUNG CAST INTO THE REDUCING SLAB SECTION SHALL LINE UP VERTICALLY WITH THOSE CAST INTO THE MANHOLE BARREL SECTION.



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
 (907) 465-1763

**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**

PLAN SCHEMATIC, INDEX, &
 GENERAL NOTES

FILE G:\nu\69393\PlanSet\69393_A2_Pln_Schem.dwg
 DATE 8/15/2018 14:05 LAYOUT A2
 DESIGNED BP
 CHECKED CT
 DRAFTED JT

FILE G:\nu\69393\Plmset\69393_A3_Legeind.dwg DATE 8/8/2018 9:46 LAYOUT A3 CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	A3	A10

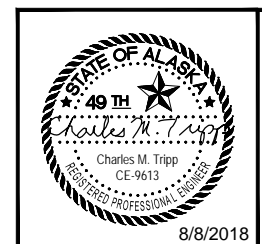
	RECOVERED	SET
BLM MONUMENT		
GLO MONUMENT		
USC&GS MONUMENT		
PRIMARY MONUMENT		
CENTERLINE MONUMENT IN CASING		
PRIMARY R.O.W. MONUMENT		
BEARING OBJECT		
MISCELLANEOUS MONUMENT		
LINE OF SIGHT MONUMENT		
CONCRETE R.O.W. MONUMENT		
BENCHMARK		
REBAR AND CAP		
REBAR		
IRON PIPE		
PK NAIL		
SPIKE		
HUB AND TACK		
CONSTRUCTION CENTERLINE		
MICELLANEOUS CENTERLINE		
STATION EQUATION	$\begin{matrix} "L"48+97.23 \text{ POT BK=} \\ "O"48+97.23 \text{ PC AHD} \end{matrix}$	
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY LINE		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE		
EXISTING EASEMENT LINE		
PROPOSED EASEMENT LINE		
PROPOSED CUT SLOPE LIMIT		
PROPOSED FILL SLOPE LIMIT		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
TOWNSHIP & RANGE LINE	$\begin{matrix} T. 2 \text{ N.} \\ T. 1 \text{ N.} \end{matrix}$	
MEANDER LINE		

	EXISTING	PROPOSED
SANITARY SEWER (FLOW DIRECTION →)		
ABANDONED SANITARY SEWER		
FUEL LINE		
GAS LINE		
WATER LINE		
ABANDONED WATER LINE		
METER, VALVE, FIRE HYDRANT		
EXISTING STORM DRAIN (FLOW DIRECTION →)		
PROPOSED STORM DRAIN		
FIBER OPTIC LINE		
DIRECT BURIAL TELEPHONE CABLE		
DIRECT BURIAL ELECTRIC CABLE		
STREET LIGHT		
TRAFFIC SIGNAL		
RIGID METAL CONDUIT		
ELECTRIC LINE (OVERHEAD)		
POWER POLE LINE		
JOINT USE POWER & TELEPHONE		
TELEPHONE POLE LINE		
POLE ANCHOR		
STUB POLE (POWER OR TELEPHONE)		
TELEPHONE DUCT		
TELEPHONE PEDESTAL		
BURIED CABLE MARKER		
PIPELINE MARKER OR VALVE		
CATCH BASIN OR DROP INLET		
MANHOLE		
SANITARY SEWER CLEAN OUT		
RIPRAP		
SPECIAL DITCH CENTERLINE		

	EXISTING	PROPOSED
ROADWAY/PAVEMENT EDGE		
FENCE		
CURB AND GUTTER		
DETECTABLE WARNINGS		
GUARDRAIL		
CULVERT PIPE		
SIGN		
MAILBOX		
RAILROAD TRACKS		
RAILROAD DEVICES		
TREE LINE		
WATER BOUNDARY		
ORDINARY HIGH WATER LINE		
FLOW CENTERLINE		
FLOW DIRECTION		
WETLANDS		
EXISTING BUILDINGS		
POST OR BOLLARD		
WELL OR MONITORING WELL		
SEPTIC PIPE		
FUEL TANK FILL PIPE/VENT		
SATELLITE DISH		
TEST HOLE		
CONIFER TREE		
DECIDUOUS TREE		
GRAVE		
THERMOSIPHON		
PARKING METER		
VEHICLE PLUG-IN		
DELINEATOR/GUIDE MARKER		

	EXISTING	PROPOSED
JUNCTION BOX, TYPE IA		
JUNCTION BOX, TYPE II		
JUNCTION BOX, TYPE III		
SIGNAL FACE, VEHICULAR		
SIGNAL FACE, BACKPLATE		
SIGNAL FACE, LEFT TURN, BACKPLATE		
SIGNAL FACE, PEDESTRIAN		
LOOP DETECTOR		
VIDEO DETECTOR		
RADAR DETECTOR		
OPTICOM DETECTOR		
PEDESTRIAN PUSH BUTTON		
SIGNAL POST W/O MAST ARM		
SIGNAL POLE W/MAST ARM		
SIGNAL CONTROLLER		
LOAD CENTER		
LUMINAIRE		
RIGID METAL CONDUIT		

H = HOUSE
G = GARAGE
M = MERCHANT/STORE
B = BARN
S = SHED
P = PRIVY
SS = SERVICE STATION
W = WAREHOUSE



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST
LEGEND & SYMBOLS

FILE: Q:\1999\69393\SV\CD14\SOURCE DWGS\BASEMAP\A2_042418.dwg
 DATE: 8/6/2018 13:31 LAYOUT: A4
 DESIGNED: J. Popoi
 CHECKED: D. Ignatov
 DRAFTED: J. Popoi
 J. Popoi

HORIZONTAL CONTROL

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

The DOT/PF Juneau Grid-2000 System is a local ground coordinate system based at USC&GS first order control station EDDIE (Destroyed). It relates to AKSPC zone 1 NAD83 (1992) through the following parameters:

Zone = NAD83 (1992) AKSPC ZONE 1
 Grid Scale = 0.999928875
 Convergence = -0°45'27.26"
 Translation about USC&GS point EDDIE (Destroyed) as follows:
 AKSPC Northing = 2383469.17 FT US
 AKSPC Easting = 2512570.06 FT US
 Local Northing = 500000.00 FT US
 Local Easting = 500000.00 FT US

Project Specific Horizontal Control

15: BM NOS 3.5" Brass Cap 2210-A in 4" PVC pipe in gravel Parking area. Point is 5.2' @ N 71° E From Steel Fence Corner & 24.5' @ N 12° W From Corner CBJ Sewer Pump Station
 JNU-Grid N 479246.89 FT US, E 530469.52 FT US
 AKSPC N 2362316.52 FT US, E 2542760.37 FT US

16: BM NOS 2210-B 3.5" Brass Cap set flush in Concrete Near Centerline of Sewer Pump Station Cover. 6.85' Behind Guard Rail on East Side of Gold Creek Bridge & Egan
 JNU-Grid N 479141.50 FT US, E 528830.94 FT US
 AKSPC N 2362232.81 FT US, E 2541120.67 FT US

VERTICAL CONTROL

The Vertical Datum for JNU Grid-2000 is Mean Lower Low Water = 0.00' Gastineau Channel - Stephens Pass tidal datum based on NOAA NOS tidal benchmark series 9452210. The tidal epoch is 1960-1978, time period 1994-1998, published 11/1999. The latest NOS publication (May 2014) on the 2007 - 2011 tidal epoch, time period 2007-2011 indicates the tidal benchmark series has risen 0.56' at benchmark 9452210 C.

The Project Specific Basis of Vertical Control

The Project Specific Basis of Vertical Control is point #960 "2210-C". It is a 3.25" domed brass cap located in bedrock at the SE Corner of the State Archives and Records Building on Willoughby Street. TBM 2210-C is marked with a white witness sign nailed on the entrance of a mine shaft South West of a wooden door that covers the mine shaft. TBM-2210-C has an observed elevation of 29.40' feet above MLLW.

Point #	Northing	Easting	Elevation	Description	Station	Offset
11	479039.30	528949.99	31.44	ALCTRL2" WM-11	57+39.07	34.27R
12	479654.27	528688.99	29.27	BC2" WM-12	52+04.20	495.90L
100	479930.87	527857.06	27.67	ALCTRL2"	42+71.10	57.18L
230	480096.66	527597.31	26.00	BC_3.25" TERRA_USACE	N\A	N\A

All SURVEY CONTROL monuments in this table are provided strictly for survey control. Should any of them be destroyed during construction they SHALL NOT be replaced.

Point #	Northing	Easting	Description	Station	Offset
102	479093.22	529215.72	CL_MON_PT60+01.77	60+04.65	4.01L
105	479214.29	529891.68	CL_MON_WHITTIER/EGAN	66+91.37	4.01L
108	479157.44	528587.11	CL_MON_PC53+61.62	53+62.62	3.00L
115	479324.76	530591.74	CL_MON_P173+97.25	73+98.64	14.08L
119	479874.96	527827.08	CL_MON_10TH&EGAN	42+99.92	0.65L
120	479880.82	527822.97	CL_MON_10TH&EGAN	42+92.75	0.62L
122	479298.10	531045.57	CL_MON_PT78+52.47	78+53.95	1.05R
137	479266.71	530970.59	CL_MON_DOH	77+76.79	21.73R
138	479309.96	531101.88	CL_MON_EGAN_MAIN	79+11.49	1.03R
139	479338.76	531231.62	CL_MON_DOH	80+41.17	15.20L
961	479262.75	530370.54	CL_MON_DOH	71+71.89	22.26R
971	479317.16	530523.27	CL_MON_DOT	73+30.54	10.54L
992	479511.62	528113.50	CL_MON_EGAN	47+62.72	3.99L

Existing Centerline Monuments to be Removed.

Point #	Northing	Easting	Description	Station	Offset
1600	480260.78	527505.03	APPROX_SH_MON	N\A	N\A
1601	479925.76	527849.92	APPROX_SH_MON	42+71.22	48.40L
1602	479476.00	528090.27	APPROX_SH_MON	47+75.78	36.42R
1603	479164.12	528473.54	APPROX_SH_MON	52+57.99	37.91R
1604	479033.91	529108.49	APPROX_SH_MON	58+92.59	41.42R
1605	479172.32	529879.04	APPROX_SH_MON	66+71.53	35.08R
1606	479282.88	530501.04	APPROX_SH_MON	73+04.91	21.37R
1607	479320.56	530931.83	APPROX_SH_MON	77+39.87	33.68L
1608	479344.05	531244.76	APPROX_SH_MON	80+52.80	22.09L
1609	479234.72	531509.94	APPROX_SH_MON	N\A	N\A

Proposed Location of Shoulder Monuments To Be Set After Construction. Shoulder Monuments Must Be Line of Sight Between Each Monument. Contractor Can Move the Shoulder Monuments and Cases As Needed to Maintain Sight Line Between Shoulder Monuments as Directed by Engineer.

MONUMENT NOTES:

1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.

2. Whether listed or not, all monuments, property markers, or accessories that will be disturbed or buried shall be referenced prior to being disturbed, and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	A4	A10

Point #	Northing	Easting	Description	Station	Offset
111	479430.19	529831.46	CL_MON_BENT	66+70.17	227.14L
121	480260.66	527554.51	CL_MON_12TH&EGAN	N\A	N\A
134	479336.52	531286.72	BC3" RM-1_ATS-3	80+92.33	23.61L
140	479384.22	531261.18	CL_MON_SEWARD	80+61.35	64.37L
469	479416.04	530828.75	BC3" ATS_3_RM	76+20.36	120.17L
968	479386.92	530467.40	ALCAP3" CBJ_CENT-HALL	72+84.42	85.93L
969	479335.11	530450.10	ALCAP3" CBJ_CENT-HALL	72+61.39	36.98L
1005	479439.16	528699.97	BC2.5" DEPT_HIGHWAY_CL_MON	53+62.62	306.49L
1006	479098.22	528787.20	BC3" TNH_S949	55+72.17	3.56L
1011	479414.00	529815.17	PLASCAP_DOWL	66+51.27	214.08L
1013	479449.33	529801.03	ALCAP_FND 2"-7712S	66+43.58	251.35L

Point #	Northing	Easting	Description	Station	Offset
970	479308.43	530254.67	ALCAP3" CBJ_CENT-HALL	70+64.46	40.75L
1000	479163.95	529872.29	PLASCAP1.25"-7712S	66+63.41	42.13R
1001	479177.40	529957.49	PLASCAP1.25"-7712S	67+50.62	42.86R
1002	479153.54	529944.61	PLASCAP1.25"-7712S	67+34.21	64.44R
1003	479152.37	529941.86	PLASCAP1.25"-7712S	67+31.31	65.17R
1004	479182.16	529966.79	ALSEC2" WC_7712S	67+60.54	39.59R
1007	479169.98	529376.19	PLASCAP_LS3650_BEAN	61+76.15	51.27L
1010	479166.40	529379.92	3.25"ALCAP_R&M_L11\1-7570-S	61+79.19	47.10L
1012	479246.62	530319.70	PLASCAP-TAC_FND-T&N_7712S	71+19.17	30.36R

Point #	Northing	Easting	Elevation	Description	Station	Offset
15	479246.89	530469.52	25.58	BM_NOS_GALV-ROD_2210-A	72+67.93	53.12R
16	479141.50	528830.94	28.79	BM_NOS_GALV-ROD_2210-B	56+08.15	54.13L
75	479548.12	527493.17	45.88	CTRL_BC_2.5" ABUT	N\A	N\A
960	479532.22	530505.18	29.40	BM_NOS_BC3.5" 2210-C	73+31.33	226.36L
962	479333.58	530433.02	29.87	TBM_ALCAP2" WG-91	72+44.56	38.07L
1014	479451.47	529782.41	26.82	BC_NOS-BM 2200M-2017	66+25.63	256.73L

All PROPERTY MONUMENTS in these existing property tables shall be **preserved** and **referenced** prior to disturbance and replaced at their original horizontal position. A RECORD OF MONUMENT FORM IN ACCORDANCE WITH A.S.34.65.040 SHALL BE SUBMITTED TO DOT PROJECT ENGINEER FOR REVIEW PRIOR TO RECORDING FOR EACH MONUMENT.

The Existing Project Vertical Control monuments are National Ocean Service Tidal Benchmarks and MUST NOT be disturbed.

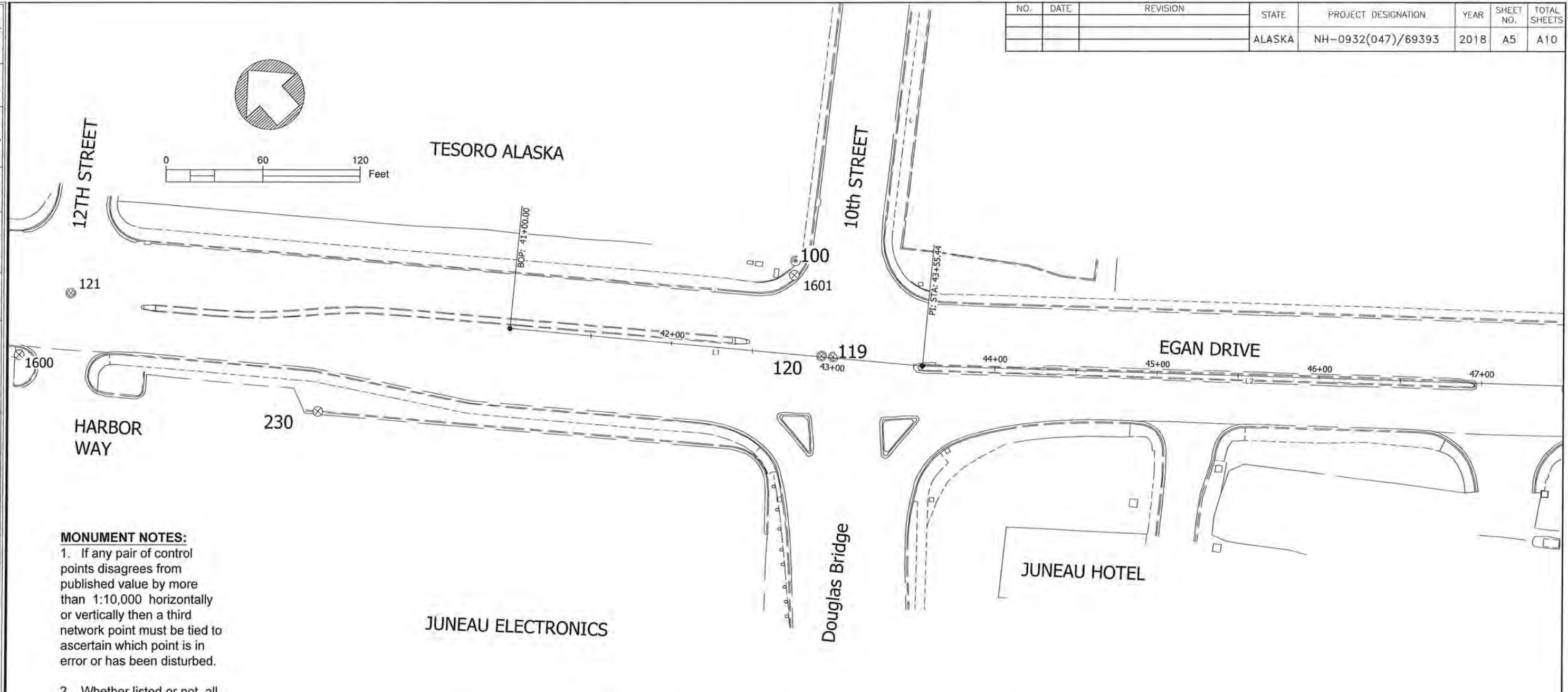


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

SURVEY CONTROL SHEET

FILE Q:\jhu\69393\SV\301\1\SOURCE DWGS\BASEMAP\A2_042418.dwg DATE 8/6/2018 13:31 LAYOUT A5 DESIGNED J. Popoi CHECKED D. Ignatov DRAFTED J. Popoi

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	A5	A10



MONUMENT NOTES:
 1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.

2. Whether listed or not, all monuments, property markers, or accessories that will be disturbed or buried shall be referenced prior to being disturbed, and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort.

10th TO MAIN STREET DESIGN ALIGNMENT							
SEGMENT	STATION	NORTHING	EASTING	STATION	RADIUS	LENGTH	DELTA
L1	41+00.00	480038.76	527712.47	43+55.44			
L2	43+55.44	479828.98	527858.23	47+58.95			
C1	47+58.95	479512.09	528108.03	60+07.98	1156.00	1249.03	61°54'24"
L3	60+07.98	479089.85	529219.70	67+02.78			
L4	67+02.78	479212.36	529903.61	72+52.58			
C2	72+52.58	479297.20	530446.82	75+86.02	1170.00	333.45	16°19'45"
L5	75+86.02	479301.33	530779.12	76+60.17			
C3	76+60.17	479291.72	530852.64	78+54.16	575.00	193.99	19°19'50"
L6	78+54.16	479299.17	531045.57	79+50.62			
C4	79+50.62	479319.03	531139.96	81+21.22	290.00	170.60	33°42'24"
L7	81+21.22	479304.45	531307.48	82+50.00			

COORDINATES LISTED ABOVE HOLD OVER DISTANCE AND BEARING



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 SURVEY CONTROL SHEET

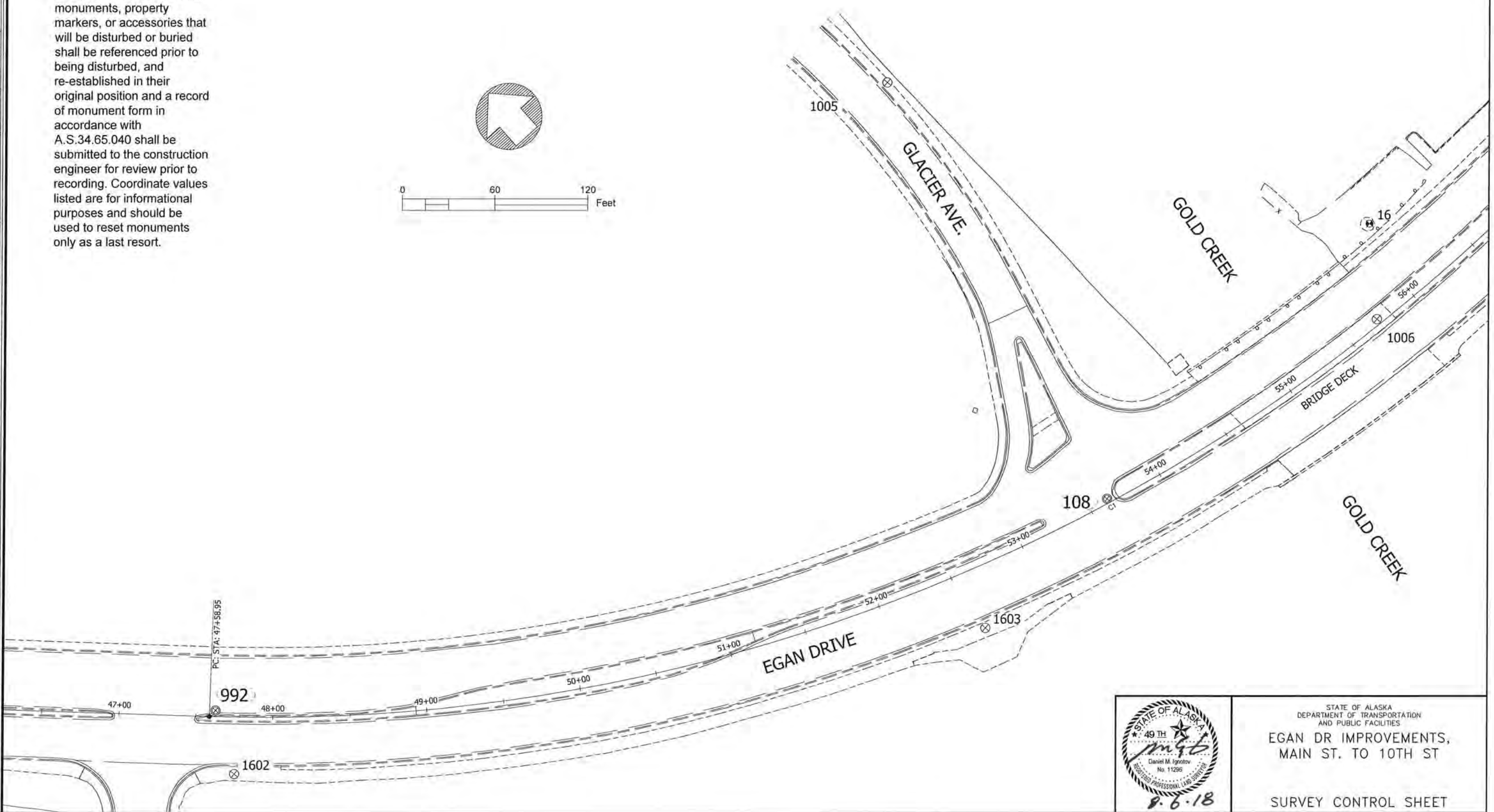
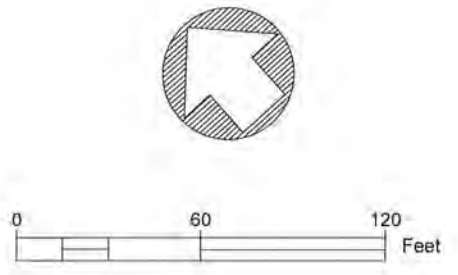
FILE D:\mva\99393\SV\3014\SOURCE DWGS\BASEMAP\A2_042418.dwg DATE 8/6/2018 13:31 LAYOUT A6 DESIGNED J. Popel CHECKED D. Ignatov DRAFTED J. Popel

MONUMENT NOTES:

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	A6	A10

12



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 SURVEY CONTROL SHEET

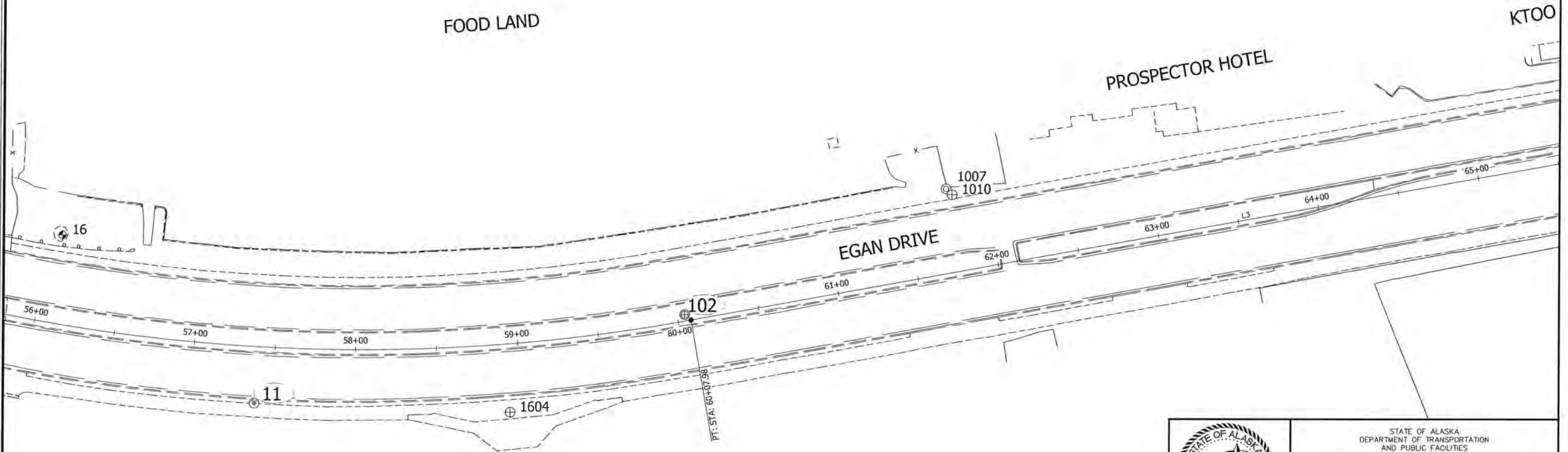
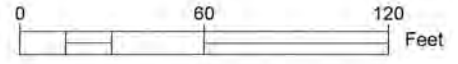
8.6.18

FILE D:\p\69393\SV\3014\SOURCE DWGS\BASEMAP\A2_042418.dwg DATE 8/6/2018 13:31 LAYOUT A7 DESIGNED J. Papoi CHECKED D. Ignatov DRAFTED J. Papoi

MONUMENT NOTES:

1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.
2. Whether listed or not, all monuments, property markers, or accessories that will be disturbed or buried shall be referenced prior to being disturbed, and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort.

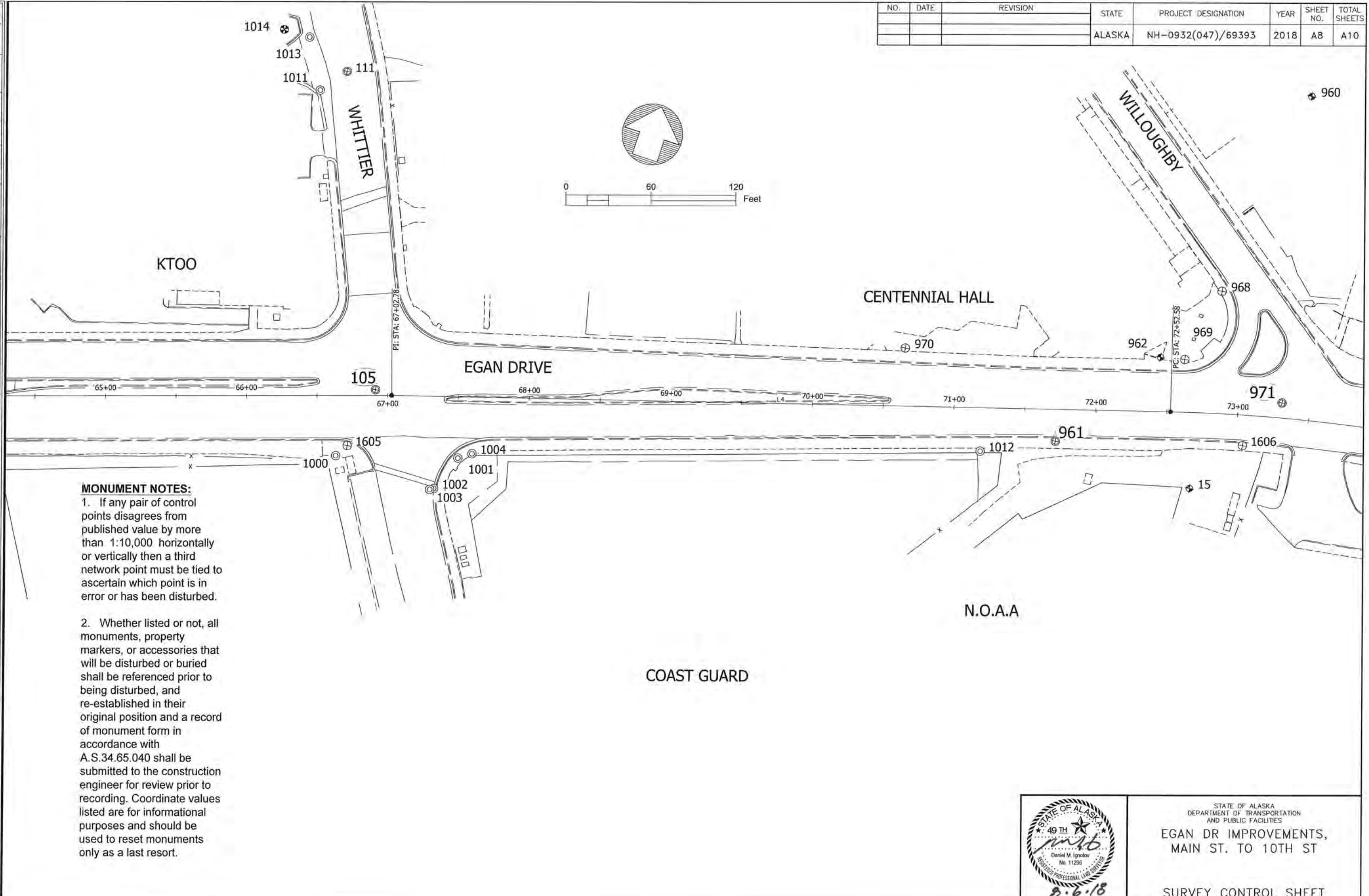
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	A7	A10



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 SURVEY CONTROL SHEET

FILE D:\jhu\69393\SV\03014\SOURCE DWG\BASEMAP\A2_042418.dwg DATE 8/6/2018 13:31 LAYOUT AB DESIGNED J. Papoi CHECKED D. Ignatov DRAFTED J. Papoi

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	A8	A10



MONUMENT NOTES:

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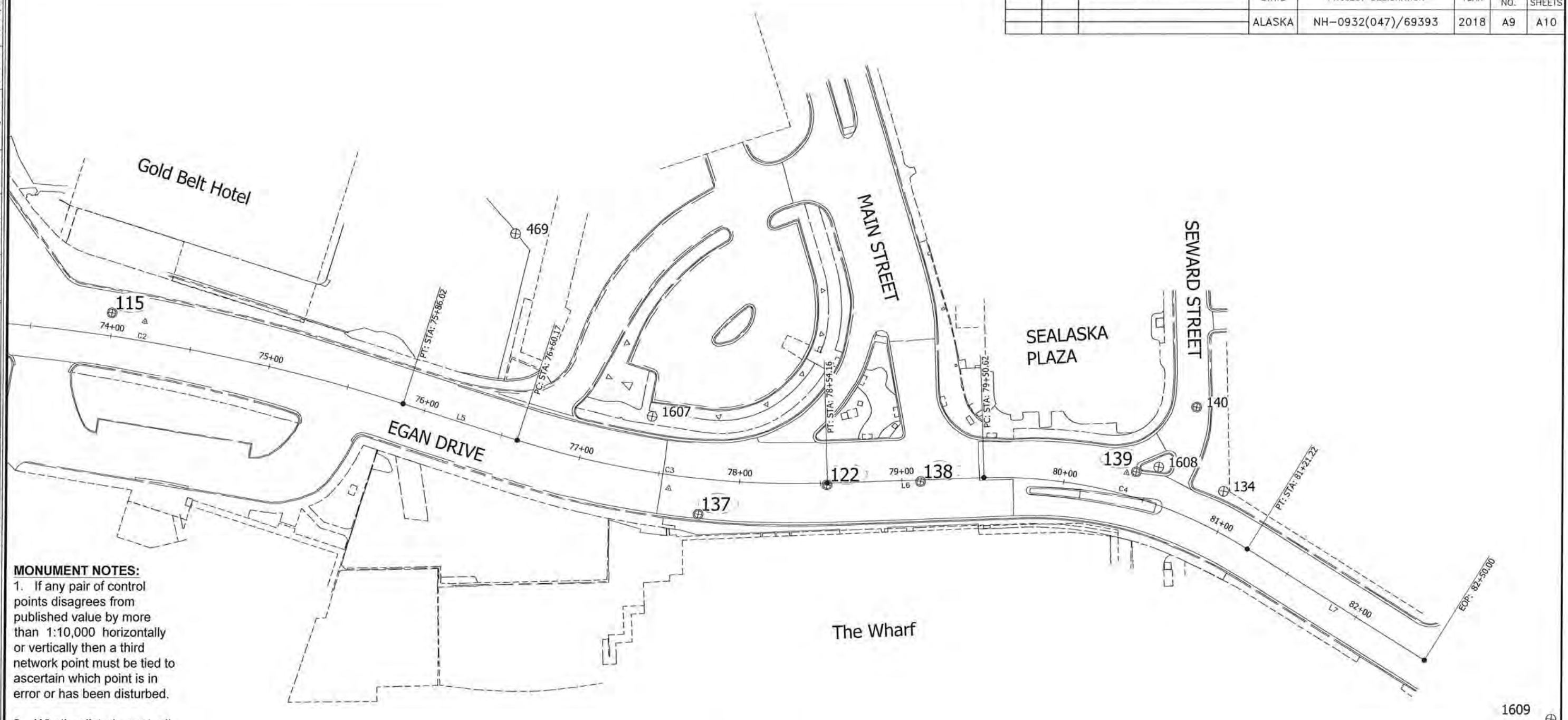


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

SURVEY CONTROL SHEET

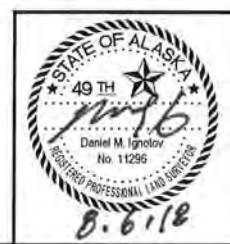
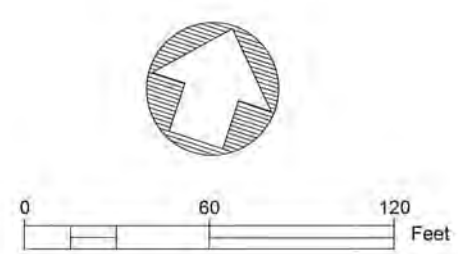
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	A9	A10

FILE: G:\JPL\69393\SV\CD\14\SOURCE DWGS\BASEMAP\A2_042418.dwg
 DATE: 8/6/2018 13:31 LAYOUT: A9 DESIGNED: J. Papp CHECKED: D. Ignatov DRAFTED: J. Papp



MONUMENT NOTES:

1. If any pair of control points disagrees from published value by more than 1:10,000 horizontally or vertically then a third network point must be tied to ascertain which point is in error or has been disturbed.
2. Whether listed or not, all monuments, property markers, or accessories that will be disturbed or buried shall be referenced prior to being disturbed, and re-established in their original position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the construction engineer for review prior to recording. Coordinate values listed are for informational purposes and should be used to reset monuments only as a last resort.



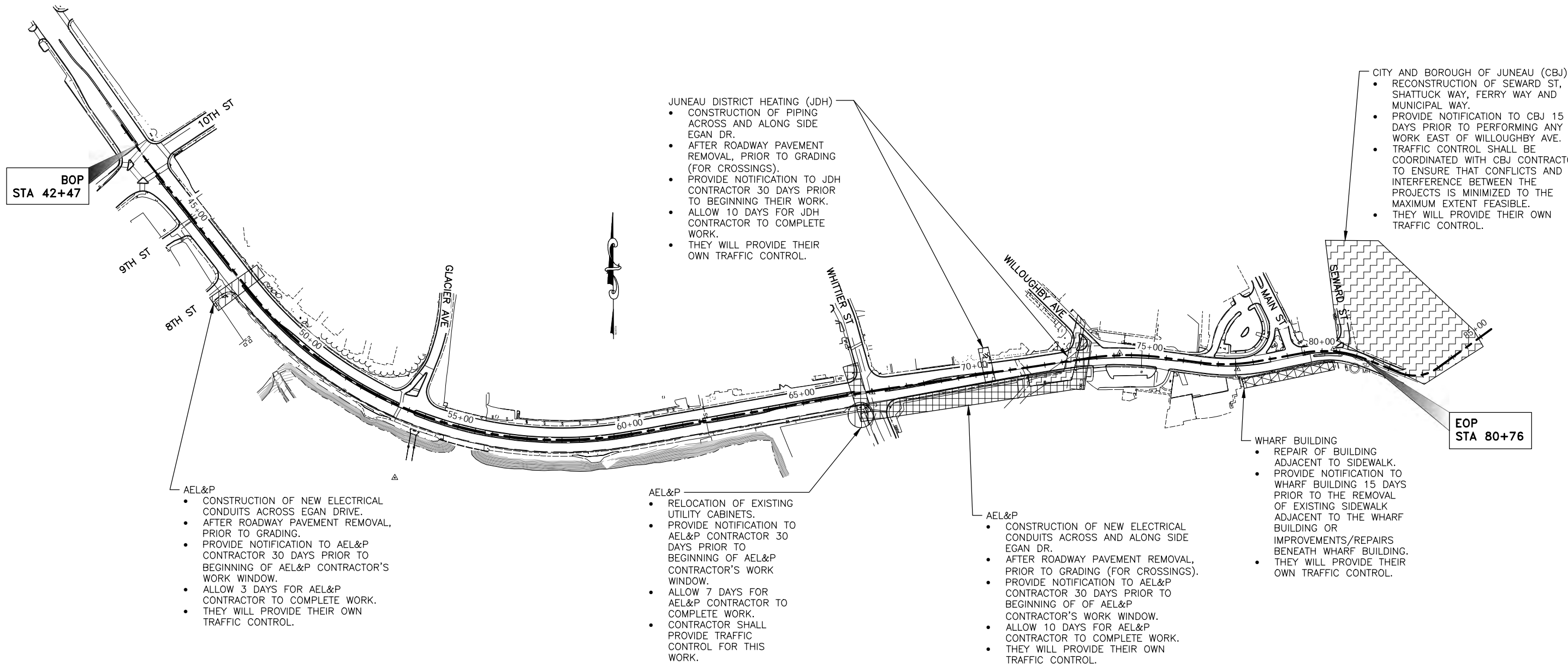
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**

SURVEY CONTROL SHEET

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	A10	A10

FILE G:\nu\69393\Plmset\69393_A2_Pln_Schem.dwg DATE 8/7/2018 21:30 LAYOUT A10 DESIGNED BP CHECKED CT DRAFTED JT



BOP
STA 42+47

- AEL&P**
- CONSTRUCTION OF NEW ELECTRICAL CONDUITS ACROSS EGAN DRIVE.
 - AFTER ROADWAY PAVEMENT REMOVAL, PRIOR TO GRADING.
 - PROVIDE NOTIFICATION TO AEL&P CONTRACTOR 30 DAYS PRIOR TO BEGINNING OF AEL&P CONTRACTOR'S WORK WINDOW.
 - ALLOW 3 DAYS FOR AEL&P CONTRACTOR TO COMPLETE WORK.
 - THEY WILL PROVIDE THEIR OWN TRAFFIC CONTROL.

- JUNEAU DISTRICT HEATING (JDH)**
- CONSTRUCTION OF PIPING ACROSS AND ALONG SIDE EGAN DR.
 - AFTER ROADWAY PAVEMENT REMOVAL, PRIOR TO GRADING (FOR CROSSINGS).
 - PROVIDE NOTIFICATION TO JDH CONTRACTOR 30 DAYS PRIOR TO BEGINNING THEIR WORK.
 - ALLOW 10 DAYS FOR JDH CONTRACTOR TO COMPLETE WORK.
 - THEY WILL PROVIDE THEIR OWN TRAFFIC CONTROL.

- AEL&P**
- RELOCATION OF EXISTING UTILITY CABINETS.
 - PROVIDE NOTIFICATION TO AEL&P CONTRACTOR 30 DAYS PRIOR TO BEGINNING OF AEL&P CONTRACTOR'S WORK WINDOW.
 - ALLOW 7 DAYS FOR AEL&P CONTRACTOR TO COMPLETE WORK.
 - CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FOR THIS WORK.

- AEL&P**
- CONSTRUCTION OF NEW ELECTRICAL CONDUITS ACROSS AND ALONG SIDE EGAN DR.
 - AFTER ROADWAY PAVEMENT REMOVAL, PRIOR TO GRADING (FOR CROSSINGS).
 - PROVIDE NOTIFICATION TO AEL&P CONTRACTOR 30 DAYS PRIOR TO BEGINNING OF OF AEL&P CONTRACTOR'S WORK WINDOW.
 - ALLOW 10 DAYS FOR AEL&P CONTRACTOR TO COMPLETE WORK.
 - THEY WILL PROVIDE THEIR OWN TRAFFIC CONTROL.

- WHARF BUILDING**
- REPAIR OF BUILDING ADJACENT TO SIDEWALK.
 - PROVIDE NOTIFICATION TO WHARF BUILDING 15 DAYS PRIOR TO THE REMOVAL OF EXISTING SIDEWALK ADJACENT TO THE WHARF BUILDING OR IMPROVEMENTS/REPAIRS BENEATH WHARF BUILDING.
 - THEY WILL PROVIDE THEIR OWN TRAFFIC CONTROL.

- CITY AND BOROUGH OF JUNEAU (CBJ)**
- RECONSTRUCTION OF SEWARD ST, SHATTUCK WAY, FERRY WAY AND MUNICIPAL WAY.
 - PROVIDE NOTIFICATION TO CBJ 15 DAYS PRIOR TO PERFORMING ANY WORK EAST OF WILLOUGHBY AVE.
 - TRAFFIC CONTROL SHALL BE COORDINATED WITH CBJ CONTRACTOR TO ENSURE THAT CONFLICTS AND INTERFERENCE BETWEEN THE PROJECTS IS MINIMIZED TO THE MAXIMUM EXTENT FEASIBLE.
 - THEY WILL PROVIDE THEIR OWN TRAFFIC CONTROL.

EOP
STA 80+76



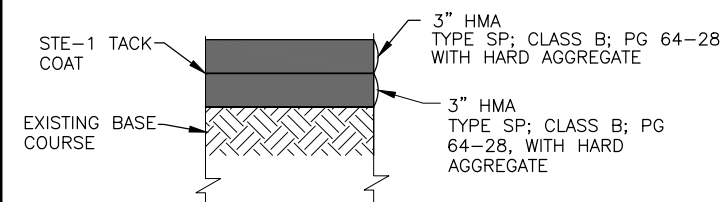
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

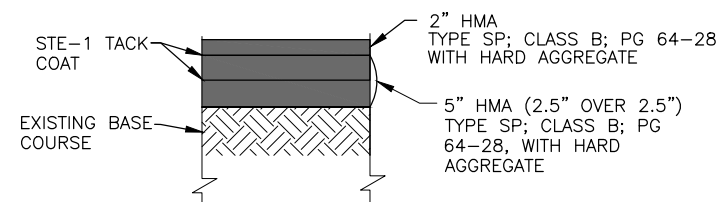
WORK BY OTHERS

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 DATE 8/7/2018 9:24
 LAYOUT B1
 DESIGNED BP
 CHECKED CT
 DRAFTED JT

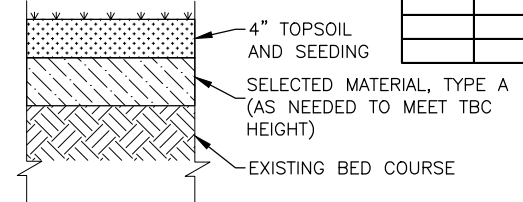
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	B1	B3



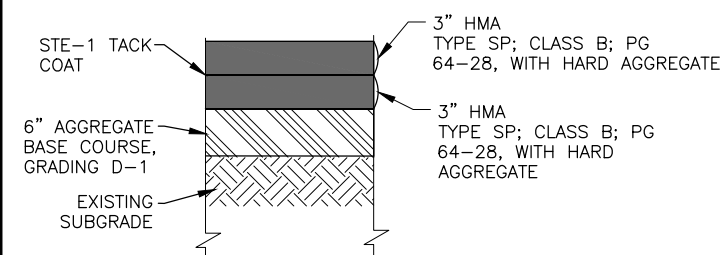
1 PAVEMENT SECTION NO. 1
SCALE: NOT TO SCALE
B1



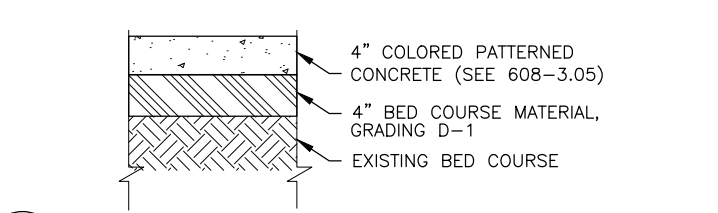
3 PAVEMENT SECTION NO. 3
SCALE: NOT TO SCALE
SEE TYPICAL SECTION NOTE 5.
B1



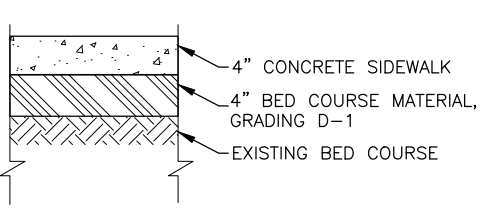
5 MEDIAN/PEDESTRIAN ISLAND SECT. NO. 2
SCALE: NOT TO SCALE
B1



2 PAVEMENT SECTION NO. 2
SCALE: NOT TO SCALE
B1

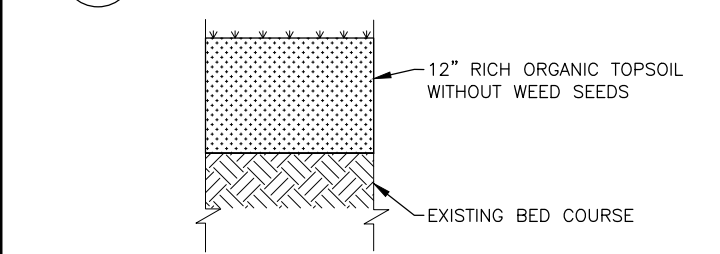


4 MEDIAN/PEDESTRIAN ISLAND SECT. NO. 1
SCALE: NOT TO SCALE
B1

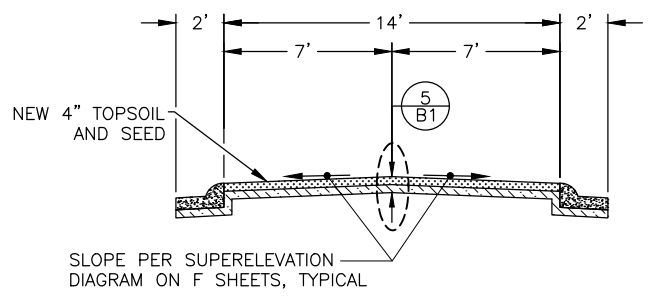


6 SIDEWALK/PEDESTRIAN ISLAND SECTION
SCALE: NOT TO SCALE
B1

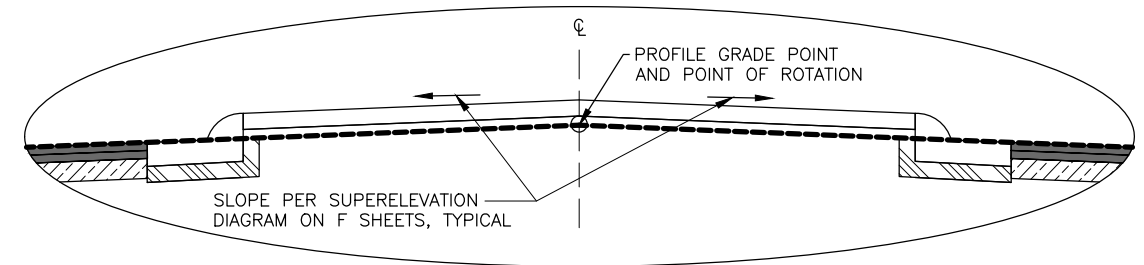
- TYPICAL SECTION NOTES**
- ALL WORK BELOW THE HIGH TIDE LINE (HTL), ELEVATION 20.6', IS SUBJECT TO REGULATION AND PERMIT REQUIREMENTS. SEE SPECIAL PROVISIONS, APPENDIX B.
 - TOP OF PAVEMENT SHALL BE 1/4 INCH - 3/8 INCH ABOVE LIP OF CONCRETE GUTTER. HOWEVER, THE TOP OF PAVEMENT SHALL BE FLUSH AT EDGE OF SPILL GUTTERS.
 - SEE DETAIL 8 ON SHEET B3, FOR TYPICAL SECTION BEYOND PROPOSED BACK OF SIDEWALK IN UNPAVED AREAS.
 - FOR PAVEMENT SLOPES IN TURN LANES, SEE DETAILS 9 & 10 ON SHEET B3.
 - PAVEMENT SECTION NO. 3 SHALL BE CONSTRUCTED AT THE INTERSECTION OF EGAN DRIVE AND 10TH STREET/JUNEAU-DOUGLAS BRIDGE.
 - EXISTING BASE COURSE FOR PAVEMENT SECTIONS NO. 1&3 SHALL BE PREPARED FOR HMA PLACEMENT PER SECTION 408-3.10.



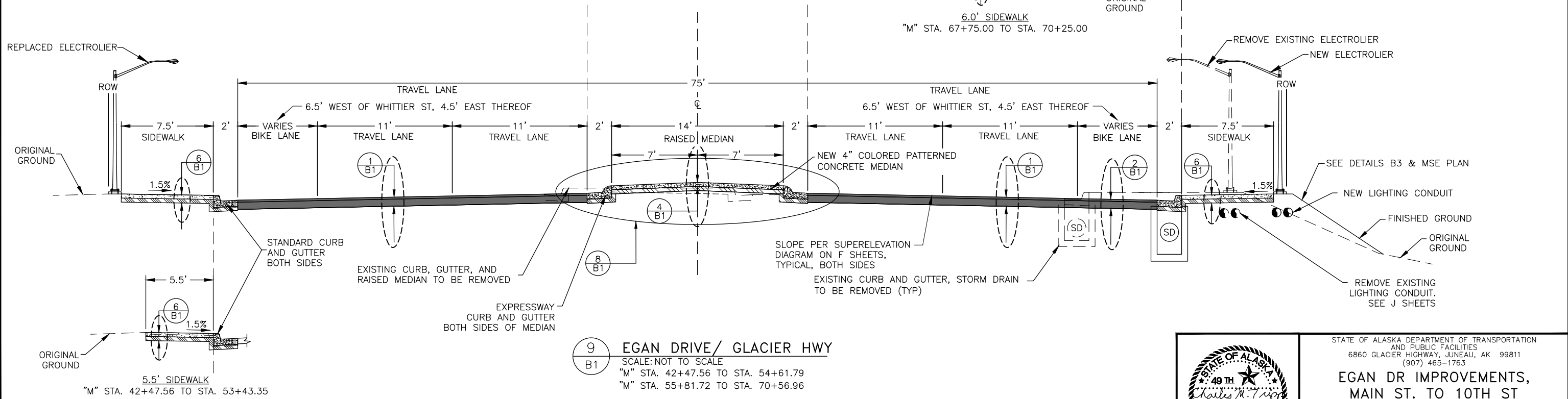
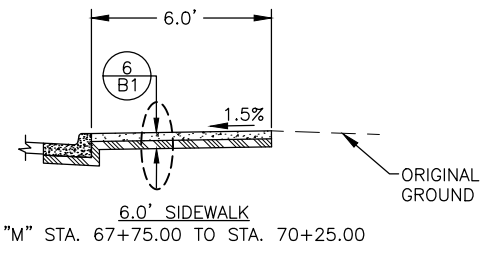
7 PEDESTRIAN ISLAND SECTION
SCALE: NOT TO SCALE
B1



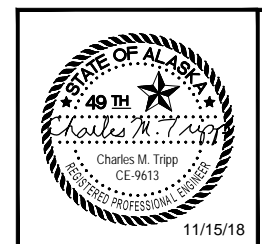
- UNPAVED MEDIAN**
- "M" STA. 49+15.61 TO STA. 50+55.08
 - "M" STA. 53+68.80 TO STA. 54+32.08
 - "M" STA. 54+46.08 TO STA. 54+61.77
 - "M" STA. 55+81.73 TO STA. 63+86.88
 - "M" STA. 68+91.80 TO STA. 70+04.70



8 POINT OF ROTATION DETAIL
SCALE: NOT TO SCALE
B1



9 EGAN DRIVE/ GLACIER HWY
SCALE: NOT TO SCALE
"M" STA. 42+47.56 TO STA. 54+61.79
"M" STA. 55+81.72 TO STA. 70+56.96
B1



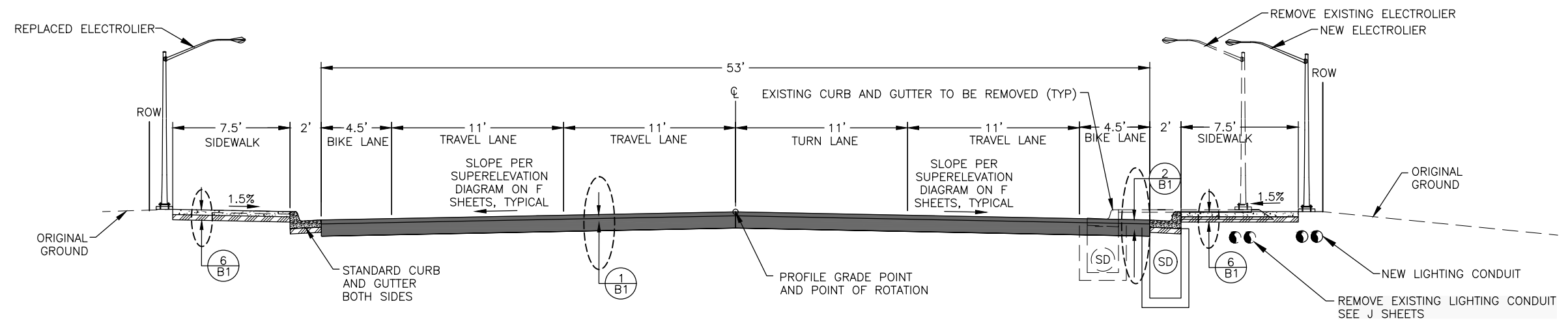
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

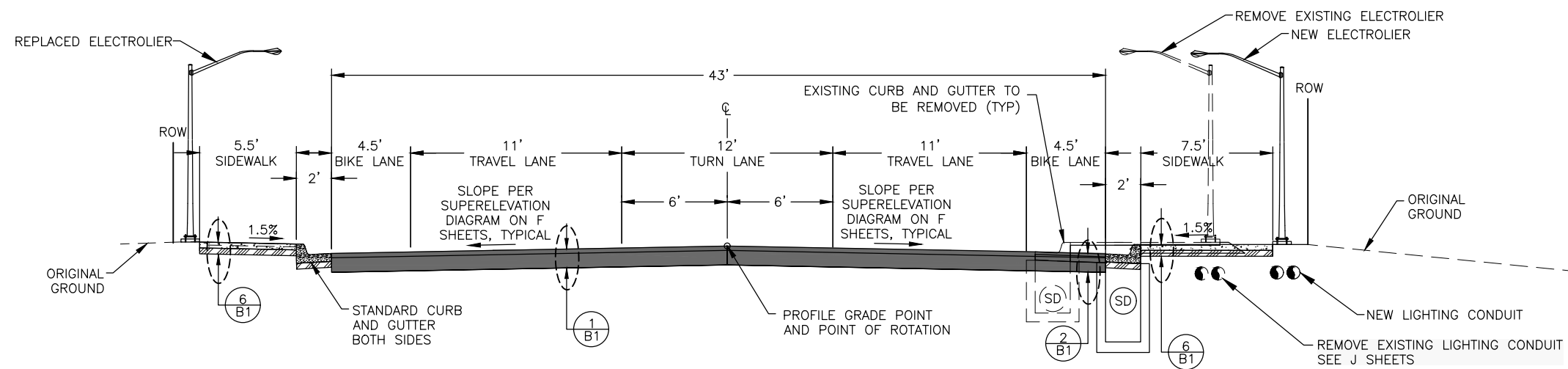
TYPICAL SECTIONS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	B2	B3

FILE C:\nu\69393\Plmset\69393_B1-B3_Typ.dwg
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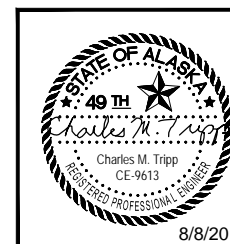
1 EGAN DRIVE/ GLACIER HWY
 SCALE: NOT TO SCALE
 "M" STA. 70+56.96 TO STA. 72+52.58



2 EGAN DRIVE/ GLACIER HWY
 SCALE: NOT TO SCALE
 "M" STA. 72+52.58 TO 80+76.15

TYPICAL SECTION NOTES

- ALL WORK BELOW THE HIGH TIDE LINE (HTL), ELEVATION 20.6', IS SUBJECT TO REGULATION AND PERMIT REQUIREMENTS. SEE SPECIAL PROVISIONS, APPENDIX B.
- TOP OF PAVEMENT SHALL BE 1/4 INCH - 3/8 INCH ABOVE LIP OF CONCRETE GUTTER. HOWEVER, THE TOP OF PAVEMENT SHALL BE FLUSH AT EDGE OF SPILL GUTTERS.
- SEE DETAIL 8 ON SHEET B3, FOR TYPICAL SECTION BEYOND PROPOSED BACK OF SIDEWALK IN UNPAVED AREAS.

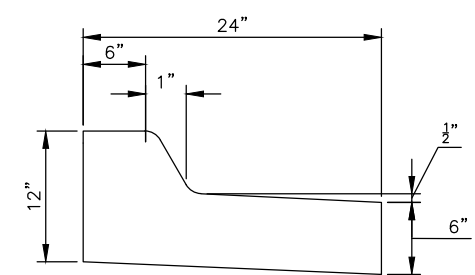


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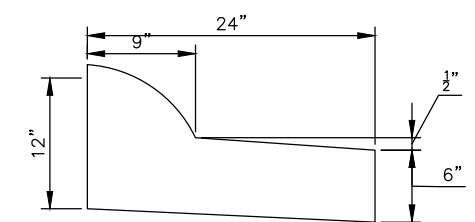
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**

TYPICAL SECTIONS

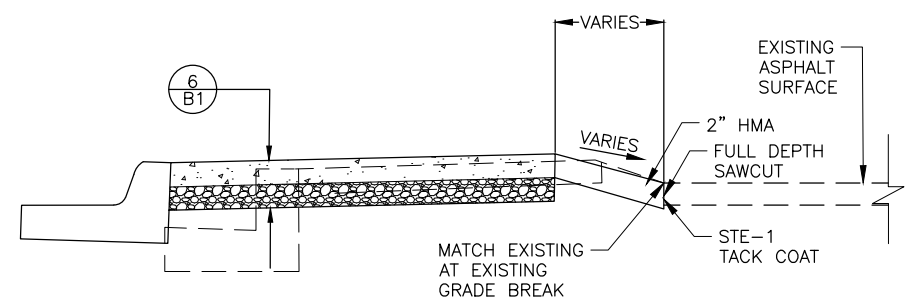
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	B3	B3



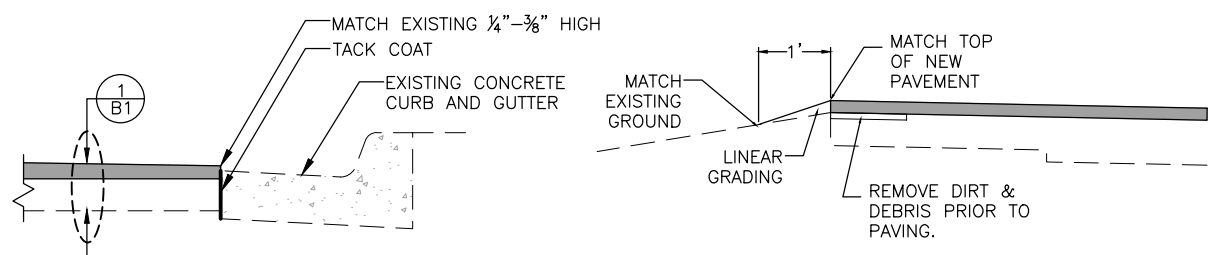
1
STANDARD CURB & SPILL GUTTER
SCALE: NOT TO SCALE



2
EXPRESSWAY CURB & SPILL GUTTER
SCALE: NOT TO SCALE

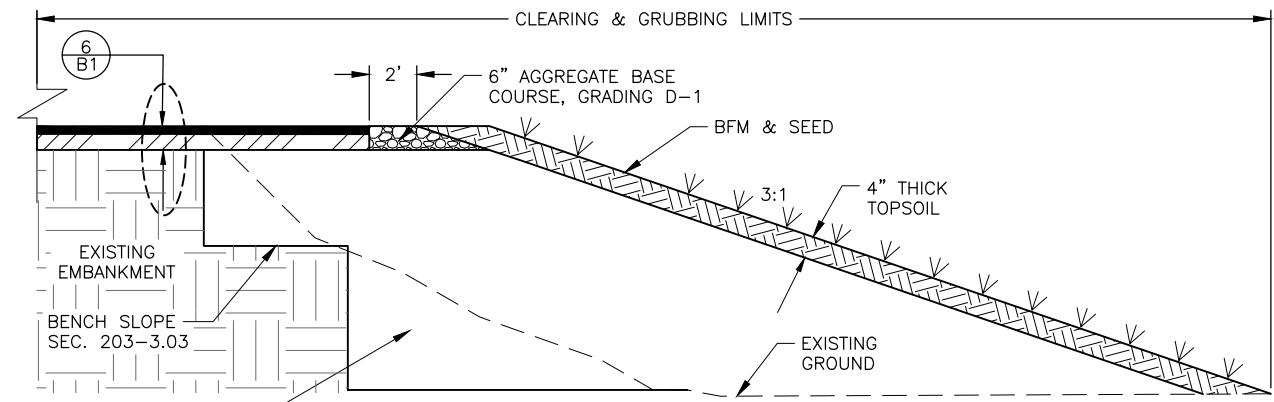


3
MERCHANTS WHARF PARKING LOT SECTION
SCALE: NOT TO SCALE
"M" STA. 76+27.48 TO STA. 77+20.58

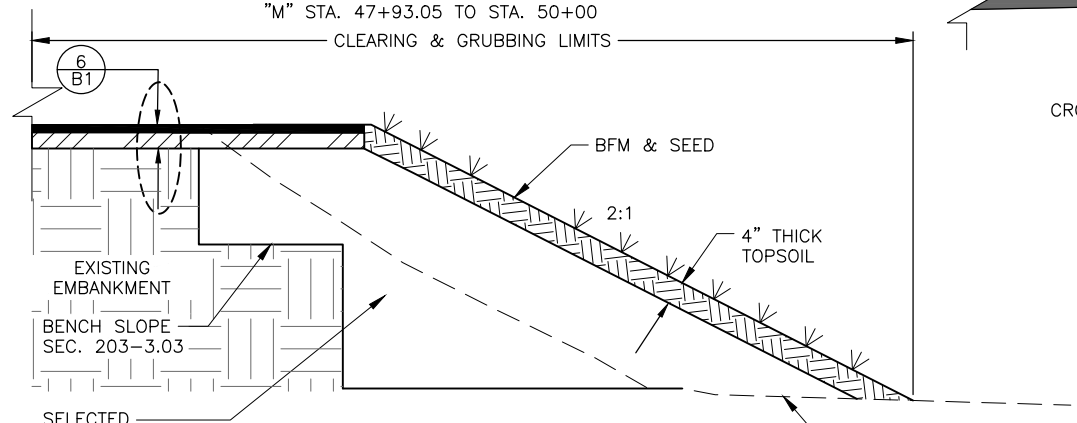


4
PAVING AT EXISTING GUTTER
SCALE: NOT TO SCALE
"M" STA. 76+15.10 TO STA. 80+76.15
PROJECT LEFT ONLY

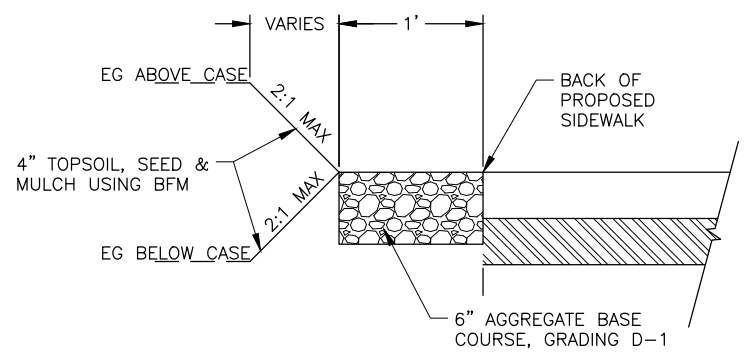
5
PAVEMENT EDGE TREATMENT DETAIL
SCALE: NOT TO SCALE



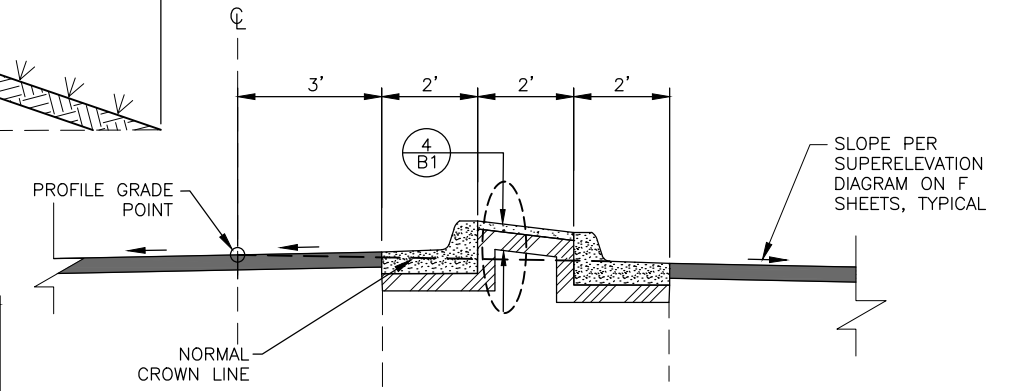
6
TYPICAL FILL SECTION
SCALE: NOT TO SCALE
"M" STA. 44+25.00 TO STA. 44+96.46
"M" STA. 45+44.90 TO STA. 46+87.78
"M" STA. 47+93.05 TO STA. 50+00



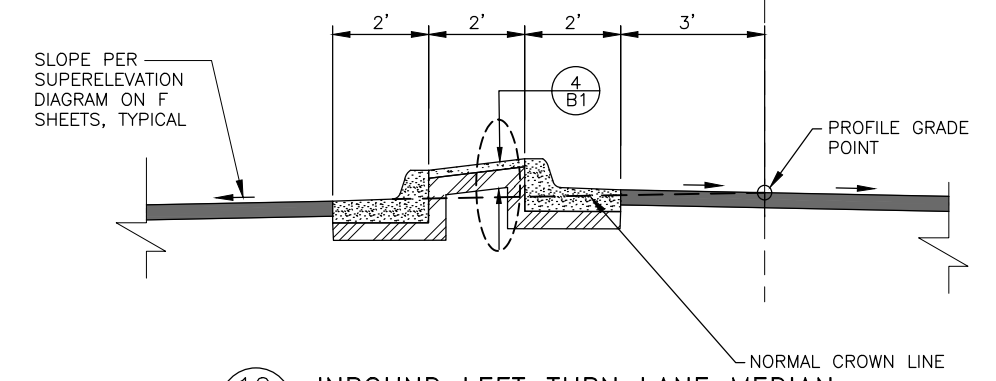
7
TYPICAL FILL SECTION
SCALE: NOT TO SCALE
"M" STA. 63+85.00 TO STA. 66+14.31



8
TYPICAL SECTION BEYOND PROPOSED BACK OF SIDEWALK IN UNPAVED AREAS
SCALE: NOT TO SCALE



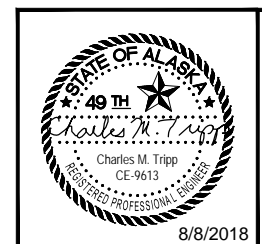
9
OUTBOUND LEFT TURN LANE MEDIAN
SCALE: NOT TO SCALE
"M" STA. 43+55.44 TO STA. 46+92.51
"M" STA. 47+52.89 TO STA. 48+83.15
"M" STA. 67+49.63 TO STA. 68+47.17



10
INBOUND LEFT TURN LANE MEDIAN
SCALE: NOT TO SCALE
"M" STA. 50+87.25 TO STA. 53+16.94
"M" STA. 64+16.97 TO STA. 66+48.26

GUTTER SLOPE	LT STANDARD CURB & GUTTER	LT EXPRESSWAY CURB & GUTTER	RT EXPRESSWAY CURB & GUTTER	RT STANDARD CURB & GUTTER
STANDARD CATCH TYPE	BOP TO "M" STA. 73+80.01 & "M" STA. 75+73.48 TO EOP	"M" STA. 73+78.99 TO EOP	"M" STA. 46+53.96 TO STA. 61+12.99	BOP TO "M" STA. 46+99.36 & "M" STA. 61+12.99 TO EOP
MODIFIED SPILL TYPE	"M" STA. 73+80.01 TO "M" STA. 75+73.48	BOP TO "M" STA. 70+53.99	BOP TO "M" STA. 46+53.96 TO STA. 61+12.99 TO EOP	"M" STA. 47+34.87 TO "M" STA. 61+12.99

- TABLE NOTES:
- SEE G SHEETS FOR PEDESTRIAN ISLANDS.
 - CONSTRUCT 10' TRANSITIONS BETWEEN CATCH AND SPILL GUTTERS, CENTERED WHERE THEIR STATION LIMITS MEET.



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

TYPICAL SECTIONS

FILE: G:\nu\69393\Plmset\69393_B1-B3_Typ.dwg DATE: 8/7/2018 9:24 LAYOUT: B3 DESIGNED: BP CHECKED: CT DRAFTED: JT

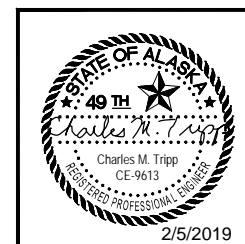
FILE G:\nu\69393\Plmset\ADDENDUM\Addendum_6\69393_C1_Estimate.dwg DATE 2/5/2019 12:59 LAYOUT C1 LAYOUT C1 CHECKED CT DRAFTED BC DESIGNED BC

ESTIMATE OF QUANTITIES

ITEM NO.	SSHC 2017 ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
201.0009.0000	201(3B)	CLEARING AND GRUBBING	LS	ALL REQ'D
201.2001.0000	201(7)	INVASIVE PLANT SPECIES CONTROL, REMOVAL, AND DISPOSAL	SY	1,310
202.0001.0000	202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	ALL REQ'D
202.0002.0000	202(2)	REMOVAL OF PAVEMENT	SY	24,650
202.0003.0000	202(3)	REMOVAL OF SIDEWALK	SY	7,610
202.0004.0000	202(4)	REMOVAL OF CULVERT PIPE	LF	3,100
202.0006.0000	202(6)	REMOVAL OF MANHOLE	EACH	1
202.0008.0000	202(8)	REMOVAL OF INLET	EACH	41
202.0009.0000	202(9)	REMOVAL OF CURB AND GUTTER	LF	12,220
203.0003.0000	203(3)	UNCLASSIFIED EXCAVATION	CY	1,300
203.0006.0000	203(6)	BORROW, TYPE A	TON	100
205.0001.0000	205(1)	EXCAVATION FOR STRUCTURES	CY	150
205.0004.0000	205(4)	POROUS BACKFILL MATERIAL	CY	70
205.0005.0000	205(5)	CONTROLLED LOW-STRENGTH MATERIAL	CY	40
205.0006.0000	205(6)	STRUCTURAL FILL	CY	20
205.2002.0000	207(1)	SHEETING, SHORING, AND BRACING	LS	ALL REQ'D
301.0001.00D1	301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	6,760
304.0001.000A	304(1)	SUBBASE, GRADING A	TON	1,910
408.2001.000B	.	HMA, SP, TYPE B	TON	9,870
408.2004.6428	.	ASPHALT BINDER, GRADE PG 64-28	TON	600
408.2005.000B	.	HMA, TEMPORARY, SP, TYPE B	TON	1,110
408.2008.000B	.	HMA PRICE ADJUSTMENT, SP, TYPE B	CS	ALL REQ'D
408.2009.0000	.	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CS	ALL REQ'D
408.2015.0000	.	ASPHALT MATERIAL PRICE ADJUSTMENT	CS	ALL REQ'D
402.0001.STE1	402(1)	STE-1 ASPHALT FOR TACK COAT	TON	20
410.2001.0000	.	PAVEMENT COLD PLANING	SY	5,500
501.0001.0000	501(1)	CLASS A CONCRETE	LS	ALL REQ'D
501.2011.0000	501(10)	CONCRETE CLASS M	CY	30
503.0001.0000	503(1)	REINFORCING STEEL	LS	ALL REQ'D
503.0002.0000	503(2)	EPOXY-COATED REINFORCING STEEL	LS	ALL REQ'D
503.0003.0000	503(3)	DRILL AND BOND DOWELS	EACH	242
504.0001.0000	504(1)	STRUCTURAL STEEL	LS	ALL REQ'D
506.0001.0000	506(1)	TREATED TIMBER	LS	ALL REQ'D
507.0001.0003	507(1)	STEEL BRIDGE RAILING, 3-TUBE NEW	LF	264
508.0001.0000	508(1)	WATER PROOFING MEMBRANE, SPRAY-APPLIED (SPRAY-ON)	LS	ALL REQ'D
608.2013.0001	517(1)	CONCRETE SLABS, BROOM FINISH, 4 INCHES THICK	SY	70
608.2010.0001	517(2)	CONCRETE SIDEWALK WALL, TYPE BRACKET-SUPPORTED; SLAB 4 IN	LS	ALL REQ'D
603.0021.0012	603(21)-12	CORRUGATED POLYETHYLENE PIPE 12 INCH	LF	40
603.0021.0018	603(21)-18	CORRUGATED POLYETHYLENE PIPE 18 INCH	LF	3,070
603.0009.0036	603(9)-36	CORRUGATED ALUMINUM PIPE 36 INCH	LF	20
603.2019.0030	603(22-30)	LINER FOR STORM DRAIN 30 INCH, NEW	LF	120
603.2019.0000	603(22-72)	LINER FOR STORM DRAIN, 72 INCH, NEW	LF	140
604.0001.0000	604(1)	STORM SEWER MANHOLE	EACH	25
604.0004.0000	604(4)	ADJUST EXISTING MANHOLE, INCLUDING NEW FRAME AND LID	EACH	22
604.0005.000A	604(5)	INLET, TYPE A	EACH	13
604.0012.0000	604(8)	REPLACE INLET FRAME AND GRATE	EACH	4
606.0001.0000	606(1)	W-BEAM GUARDRAIL	LF	50
606.0006.0000	606(6)	REMOVING AND DISPOSING OF GUARDRAIL	LF	90
606.0013.0000	606(13)	PARALLEL GUARDRAIL TERMINAL	EACH	1
606.0016.0000	606(16)	TRANSITION RAIL	EACH	1
606.2000.0000	606(17)	BOLLARD	EACH	2
608.0001.0004	608(1a)	CONCRETE SIDEWALK, 4 INCHES THICK	SY	5,560
608.0001.0006	608(1b)	CONCRETE SIDEWALK, 6 INCHES THICK	SY	210
608.0006.0000	608(6)	CURB RAMP	EACH	42
608.2013.0005	608(9)	CONCRETE SLABS, COLORED & PATTERN IMPRINTED, 4 INCHES THICK	SY	647
609.0002.0001	609(2)	CURB AND GUTTER, TYPE 1	LF	12,150
609.0003.0000	609(3)	BACKING CURB	LF	290

6

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7	1/13/19	ADD, REMOVE, UPDATE PAY ITEMS	ALASKA	NH-0932(047)/69393	2018	C1	C3



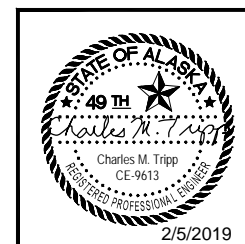
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
 (907) 465-1763
EGAN DRIVE IMPROVEMENTS
MAIN STREET TO 10TH STREET
 ESTIMATE
 2/5/2019

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
76	1/15/19	ADD, REMOVE, UPDATE PAY ITEMS	ALASKA	NH-0932(047)/69393	2018	C2	C3

ESTIMATE OF QUANTITIES (cont.)

ITEM NO.	SSHC 2017 ITEM NO.	ITEM DESCRIPTION	PAY UNIT	QUANTITY
610.0002.0000	610(2)	DITCH LINING, UNDER WHARF	TON	100
610.0002.0000	610(2)	DITCH LINING, REINFORCED SOIL SLOPE	TON	370
611.0001.0001	611(1)	RIPRAP, CLASS I	CY	30
615.0001.0000	615(1)	STANDARD SIGN	SF	724
615.0002.0000	615(2)	REMOVE AND RELOCATE SIGN	EACH	10
615.0005.0000	615(5)	DELINEATOR, FLEXIBLE	EACH	37
618.0002.0000	618(2)	SEEDING	LBS	32.00
619.2013.0000	619(3)	BONDED FIBER MATRIX (BFM)	LBS	1,940
620.0001.0000	620(1)	TOPSOIL	SY	2,340
627.0010.0000	627(10)	ADJUSTMENT OF VALVE BOX	EACH	35
630.0001.0003	630(1)	GEOTEXTILE, SEPARATION, CLASS 3	SY	100
631.0001.0002	631(1)	GEOTEXTILE, DRAINAGE, CLASS 2 (Sta 67+00 to 79+00)	SY	130
634.0002.0000	634(1)	GEOGRID, REINFORCEMENT, CLASS 1	SY	2,340
635.2000.0000	635(1)	INSULATION BOARD, 1 INCH THICK	MBM	2.40
639.0003.0000	639(2)	DRIVEWAY, COMMERCIAL	EACH	6
639.2000.0000	639(3)	APPROACH	EACH	1
640.0001.0000	640(1)	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D
641.0001.0000	641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQ'D
641.0003.0000	641(3)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	LS	ALL REQ'D
641.0005.0000	641(5)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL BY DIRECTIVE	CS	ALL REQ'D
641.0006.0000	641(6)	WITHHOLDING	CS	ALL REQ'D
642.0001.0000	642(1)	CONSTRUCTION SURVEYING	LS	ALL REQ'D
642.0003.0000	642(3)	THREE PERSON SURVEY PARTY	HR	40
642.0004.0000	642(4)	SET PRIMARY MONUMENT	EACH	10
642.0006.0000	642(6)	REPLACE EXISTING WITH PRIMARY MONUMENT	EACH	2
642.0007.0000	642(7)	REPLACE EXISTING WITH SECONDARY MONUMENT	EACH	7
642.0009.0000	642(9)	REFERENCE EXISTING MONUMENT	EACH	9
642.0010.0000	642(10)	MONUMENT CASE	EACH	10
643.0002.0000	643(2)	TRAFFIC MAINTENANCE	LS	ALL REQ'D
643.0003.0000	643(3)	PERMANENT CONSTRUCTION SIGNS	LS	ALL REQ'D
643.0014.0000	643(14)	INTERIM PAVEMENT MARKING	STA	80
643.0032.0000	643(15)	FLAGGING	CS	ALL REQ'D
643.0023.0000	643(23)	TRAFFIC PRICE ADJUSTMENT	CS	ALL REQ'D
643.0025.0000	643(25)	TRAFFIC CONTROL	CS	ALL REQ'D
643.2005.0000	643(33)	PUBLIC INFORMATION PROGRAM	LS	ALL REQ'D
644.0001.0000	644(1)	FIELD OFFICE	LS	ALL REQ'D
644.0002.0000	644(2)	FIELD LABORATORY	LS	ALL REQ'D
644.0006.0000	644(6)	VEHICLE	LS	ALL REQ'D
644.2004.0000	644(10)	ENGINEERING COMMUNICATIONS	CS	ALL REQ'D
645.0001.0000	645(1)	TRAINING PROGRAM, 1 TRAINEES / APPRENTICES	LH	500
646.0001.0000	646(1)	CPM SCHEDULING	LS	ALL REQ'D
660.0001.0000	660(1)	TRAFFIC SIGNAL SYSTEM COMPLETE, AT EGAN DRIVE AND 10TH STREET	LS	ALL REQ'D
660.0002.0000	660(2)	FLASHING BEACON SYSTEM COMPLETE, AT CBJ SEA WALK	LS	ALL REQ'D
660.0003.0000	660(3)	HIGHWAY LIGHTING SYSTEM COMPLETE, EGAN DRIVE	LS	ALL REQ'D
660.0007.0000	660(7)	TEMPORARY SIGNAL SYSTEM COMPLETE, EGAN DRIVE	LS	ALL REQ'D
660.0008.0000	660(8)	TEMPORARY ILLUMINATION SYSTEM COMPLETE	LS	ALL REQ'D
660.2003.0000	660(17A)	TRAFFIC SIGNAL SYSTEM MODIFICATIONS AT EGAN DRIVE AND WHITTIER STREET	LS	ALL REQ'D
660.2003.0000	660(17B)	TRAFFIC SIGNAL SYSTEM MODIFICATIONS AT EGAN DRIVE AND MAIN STREET	LS	ALL REQ'D
661.0002.0000	661(2)	LOAD CENTER, TYPE 1A WITH UPS (LC/UPS)	EACH	3
661.0003.0000	661(3)	LOAD CENTER, TYPE 2	EACH	1
670.0001.0000	670(1)	PAINTED TRAFFIC MARKINGS	LS	ALL REQ'D
670.2002.0000	670(13)	MMA PAVEMENT MARKINGS, INLAID	LS	ALL REQ'D
654.2007.0000		MONITOR, CONSTRUCTION	EACH	1



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
 (907) 465-1763

**EGAN DRIVE IMPROVEMENTS
 MAIN STREET TO 10TH STREET**

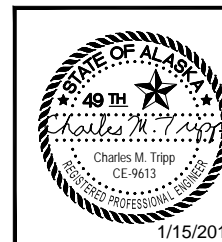
ESTIMATE

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7	1/13/19	ADDED ESTIMATED FACTORING	ALASKA	NH-0932(047)/69393	2018	C3	C3

BASIS OF ESTIMATE		
ITEM NO.	ITEM DESCRIPTION	ESTIMATING FACTOR
203(6)	BORROW, TYPE A	144 LBS./C.F.
301(1)	AGGREGATE BASE COURSE, GRADING D-1	1.95 TONS/C.Y.
304(1)	SUBBASE, GRADING A	1.95 TONS/C.Y.
401(1SP)	HMA, SP, TYPE B	120 LBS./S.Y./IN.
401(4)	ASPHALT BINDER, GRADE PG 54-28	6.0% OF ITEM 401(1SP)
401(9)	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	6.0% OF ITEM 401(1SP)
402(1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/S.Y. : 243 GAL/TON
409(1)	COLD MIX ASPHALT	100 LBS./S.Y./IN.
610(2)	DITCH LINING	151 LB/C.F.
619(3)	BONDED FIBER MATRIX (BFM)	4000 LBS./ACRE
643(14)	INTERIM PAVEMENT MARKING	80 STATIONS
644(6)	VEHICLES	2 VEHICLES

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STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
 (907) 465-1763
EGAN DRIVE IMPROVEMENTS
MAIN STREET TO 10TH STREET

ESTIMATE

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
6	11/14/18	ADDED QUANTITY	ALASKA	NH-0932(047)/69393	2018	D1	D4

201.2001.0000 INVASIVE SPECIES CONTROL, REMOVAL, AND DISPOSAL							
FROM STA.	TO STA.	OFFSET	SPECIES	INFESTATION SIZE (FT)	LATITUDE	LONGITUDE	SQUARE YARD
STA 52+11	STA 52+11	51 RT	REED CANARYGRASS	2X2	58.300416	-134.423843	0.4
STA 50+15	STA 54+08	46 RT	OXEYE DAISY	46X20	58.299193	-134.421493	632.2
STA 56+17	STA 56+17	46 RT	COMMON TANSY	4X4	58.298821	-134.419421	1.8
STA 56+74	STA 56+74	51 RT	OXEYE DAISY	9X2	58.298786	-134.419119	2.0
STA 56+87	STA 57+81	43 RT	OXEYE DAISY	110X10	58.298781	-134.418790	96.7
STA 57+12	STA 57+53	44 RT	COMMON TANSY	40X13	58.298775	-134.418799	15.9
STA 57+05	STA 58+16	45 RT	OXEYE DAISY	20X6	58.298773	-134.418405	15.8
STA 58+53	STA 58+66	49 RT	REED CANARYGRASS	10X6	58.298767	-134.418112	5.8
STA 58+23	STA 60+46	51 RT	REED CANARYGRASS	120X15	58.298801	-134.417423	202.4
STA 60+02	STA 60+02	46 RT	COMMON TANSY	7X1	58.298825	-134.417353	0.6
STA 60+81	STA 62+07	42 RT	REED CANARYGRASS	130X20	58.298878	-134.416613	217.7
STA 62+77	STA 63+42	44 RT	REED CANARYGRASS	80X10	58.298966	-134.415765	81.7
STA 64+11	STA 64+48	42 RT	REED CANARYGRASS	20X5	58.299033	-134.415163	28.7
TOTAL							1,302

202.0002.0000 REMOVAL OF PAVEMENT			
FROM STA.	TO STA.	AREA (SY)	REMARKS
STA 43+48	STA 80+76	24.637	REMOVE ENTIRE THICKNESS OF EXISTING ASPHALT
TOTAL		24.637	

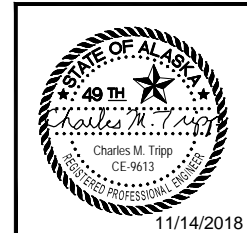
202.0003.0000 REMOVAL OF SIDEWALK			
FROM STA.	TO STA.	AREA (SY)	REMARKS
STA 43+25	STA 80+76	7.594	INCLUDES MEDIANS, PED ISLANDS, & DRIVEWAY CUTS
TOTAL		7.594	

202.0006.0000 REMOVAL OF MANHOLE		
STATION	OFFSET (FT)	REMARKS
STA 74+68	4 RT	DIVERSION STRUCTURE
TOTAL	1	

202.0004.0000 REMOVAL OF PIPE				
FROM STA.	TO STA.	OFFSET	LENGTH (FT)	REMARKS
STA 45+64	STA 45+64	RT/LT	67	18" CMP
STA 45+65	STA 46+12	RT/LT	63	18" CMP
STA 45+65	STA 47+62	LT	197	18" CMP
STA 47+64	STA 47+64	RT/LT	42	12" CMP
STA 47+65	STA 49+50	LT	178	18" CMP
STA 49+51	STA 49+51	RT/LT	41	18" CMP
STA 49+53	STA 51+08	LT	150	18" CMP
STA 51+09	STA 51+09	LT	35	18" CMP
STA 51+10	STA 51+11	RT/LT	72	18" CMP
STA 54+33	STA 54+19	RT/LT	43	18" CMP
STA 54+19	STA 54+28	RT	60	18" CMP
STA 56+03	STA 56+03	RT/LT	41	18" CMP
STA 56+03	STA 56+02	RT	63	18" CMP
STA 57+53	STA 57+53	RT/LT	41	18" CMP
STA 57+53	STA 57+51	RT	61	18" CMP
STA 60+63	STA 60+63	RT/LT	41	18" CMP
STA 60+63	STA 60+62	RT	54	18" CMP
STA 61+08	STA 61+08	RT	19	3" CMP, SCUPPER PIPE
STA 62+55	STA 62+55	RT	18	3" CMP, SCUPPER PIPE
STA 62+63	STA 62+63	RT/LT	96	18" CMP
STA 63+73	STA 64+23	RT/LT	125	18" CMP
STA 63+97	STA 63+96	RT	16	3" CMP, SCUPPER PIPE
STA 64+25	STA 66+37	LT	212	18" CMP
STA 64+58	STA 64+58	RT	14	3" CMP, SCUPPER PIPE
STA 66+40	STA 68+26	LT	188	18" CMP
STA 68+29	STA 69+41	LT	112	18" CMP
STA 69+43	STA 69+44	RT	40	12" CMP
STA 69+44	STA 71+26	RT	182	12" CMP
STA 71+29	STA 73+01	RT	171	12" CMP
STA 73+04	STA 74+35	RT	129	12" CMP
STA 74+38	STA 75+75	RT	135	12" CMP
STA 74+68	STA 74+91	RT	30	18" CMP
STA 75+76	STA 75+79	RT	109	18" CAP
STA 76+59	STA 77+07	RT/LT	67	12" CMP
STA 77+07	STA 77+10	RT	35	18" CMP
STA 80+40	STA 80+49	LT	79	48" CMP
STA 80+41	STA 81+07	RT	69	48" CMP
TOTAL			3,093	

202.0008.0000 REMOVAL OF INLET		
STATION	OFFSET (FT)	REMARKS
STA 43+55	70 RT	
STA 45+64	38 LT	
STA 45+64	30 RT	
STA 46+13	4 RT	
STA 47+64	4 RT	
STA 47+64	38 LT	
STA 49+51	4 RT	
STA 49+51	38 LT	
STA 51+09	2 LT	
STA 51+09	38 LT	
STA 54+19	5 RT	
STA 54+33	37 LT	
STA 56+03	4 RT	
STA 56+03	37 LT	
STA 57+53	38 LT	
STA 57+53	4 RT	
STA 60+62	59 RT	
STA 60+63	4 RT	
STA 60+63	38 LT	
STA 62+63	39 LT	
STA 64+23	38 LT	
STA 66+38	38 LT	
STA 66+59	67 LT	
STA 67+06	70 LT	
STA 68+28	35 LT	
STA 69+43	33 LT	
STA 69+43	24 RT	
STA 69+44	66 RT	
STA 71+28	19 RT	
STA 73+03	18 RT	
STA 74+37	20 RT	
STA 75+76	25 RT	
STA 76+59	23 LT	
STA 77+07	25 RT	
STA 80+56	2 LT	
TOTAL	41	

202.0001.0000 REMOVAL OF STRUCTURES AND OBSTRUCTIONS				
FROM STA.	TO STA.	OFFSET	LENGTH (FT)	REMARKS
STA 42+93	STA 42+93	LT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 43+00	STA 43+00	LT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 45+42	STA 45+45	RT	20	REMOVE EXISTING CHAIN LINK FENCE
STA 47+63	STA 47+63	LT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 52+08	STA 53+15	RT	110	REMOVE EXISTING PED LOOKOUT
STA 53+31	STA 53+31	RT	0	REMOVE ABANDONED VALVE BOX
STA 53+63	STA 53+63	LT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 54+51	STA 55+76	LT	120	REMOVE EXISTING SIDEWALK PER DETAIL A ON N4, SEE TABLE ON N2
STA 54+70	STA 55+86	RT	120	REMOVE EXISTING SIDEWALK PER DETAIL C ON N4, SEE TABLE ON N2
STA 54+59	STA 55+82	RT/LT	120	REMOVE EXISTING MEDIAN PER DETAIL B ON N4, SEE TABLE ON N2
STA 58+32	STA 59+60	RT	133	REMOVE EXISTING PED LOOKOUT
STA 60+05	STA 60+05	LT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 61+95	STA 62+27	RT	32	REMOVE EXISTING CHAIN LINK FENCE & GATE
STA 61+97	STA 62+02	RT	5	REMOVE EXISTING TIMBER CURB, PLANK DECK, JOISTS, FOOTER & HEADER
STA 63+56	STA 66+18	RT	262	REMOVE EXISTING CHAIN LINK FENCE
STA 66+91	STA 66+91	LT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 67+91	STA 69+09	RT	118	REMOVE EXISTING WOODEN BARRIER
STA 69+16	STA 72+44	RT	328	REMOVE EXISTING WOODEN BARRIER
STA 68+39	STA 69+35	LT	96	REMOVE EXISTING WOODEN BARRIER
STA 71+72	STA 71+72	RT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 71+64	STA 71+64	RT	0	REMOVE ABANDONED VALVE BOX
STA 71+99	STA 71+99	RT	0	REMOVE ABANDONED VALVE BOX
STA 72+12	STA 72+12	RT	0	REMOVE ABANDONED VALVE BOX
STA 72+13	STA 72+13	RT	0	REMOVE ABANDONED VALVE BOX
STA 72+97	STA 72+97	RT	0	REMOVE ABANDONED VALVE BOX
STA 73+25	STA 73+25	LT	0	REMOVE ABANDONED VALVE BOX
STA 73+31	STA 73+31	RT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 73+70	STA 73+70	RT	0	REMOVE ABANDONED VALVE BOX
STA 73+88	STA 73+88	RT	0	REMOVE ABANDONED VALVE BOX
STA 73+99	STA 73+99	LT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 74+05	STA 74+05	RT	0	REMOVE ABANDONED VALVE BOX
STA 75+22	STA 75+22	RT	0	REMOVE ABANDONED VALVE BOX
STA 75+68	STA 75+68	RT	0	REMOVE ABANDONED VALVE BOX
STA 76+13	STA 76+13	RT	0	REMOVE EXISTING BOLLARD
STA 76+14	STA 76+14	RT	0	REMOVE EXISTING BOLLARD
STA 76+82	STA 76+82	RT	0	REMOVE ABANDONED VALVE BOX
STA 77+43	STA 77+69	RT	26	REMOVE EXISTING TIMBER WALL, SEE TABLE ON M 12
STA 77+51	STA 77+51	RT	0	REMOVE ABANDONED VALVE BOX
STA 77+60	STA 77+60	RT	0	REMOVE EXISTING BOLLARD
STA 77+61	STA 77+61	RT	0	REMOVE EXISTING BOLLARD
STA 77+63	STA 77+63	RT	7	REMOVE EXISTING TIMBER JOISTS UNDER WALKWAY; SEE DETAIL 4-E10
STA 77+65	STA 79+86	RT	221	REMOVE ALL DEBRIS, BUILDING MATERIALS, TRASH, ORGANIC MATTER, AND CONCRETE SLAB PIECES FROM VOID BENEATH EXISTING CONCRETE RETAINING WALL FOOTING, PRIOR TO FILLING WITH CLSM
STA 77+68	STA 80+41	RT	273	REMOVE EXISTING STEEL SIDEWALK SUPPORT BRACKETS, SEE DETAIL 4-E10
STA 77+77	STA 77+77	RT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 78+54	STA 78+54	RT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 79+11	STA 79+11	RT	0	REMOVE CENTERLINE MONUMENT; SEE A9
STA 80+41	STA 80+41	LT	0	REMOVE CENTERLINE MONUMENT; SEE A9



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
 (907) 465-1763
EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST.

 11/14/2018 **SUMMARIES**

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EARTHWORK SUMMARY

FROM STA	TO STA	203.0003.0000 UNCLASSIFIED EXCAVATION	203.0006.0000 BORROW, TYPE A	301.0001.00D1 AGGREGATE BASE COURSE, GRADING D-1	304.0001.000A SUBBASE, GRADING A	611.0001.0001 RIPRAP, CLASS I	REMARKS
STA 42+48	STA 80+76	1,246	100	6,745	1,909	30	
TOTAL		1,246	100	6,745	1,909	30	

202.0009.0000 REMOVAL OF CURB AND GUTTER

FROM STA	TO STA	OFFSET	LENGTH (FT)	REMARKS
STA 42+70	STA 42+92	RT	68	ADJACENT TO PEDESTRIAN ISLAND
STA 43+36	STA 43+55	RT	73	ADJACENT TO PEDESTRIAN ISLAND
STA 43+56	STA 45+06	RT	225	ADJACENT TO SIDEWALK
STA 43+52	STA 46+96	RT/LT	692	ADJACENT TO MEDIAN
STA 43+24	STA 53+44	LT	1,103	ADJACENT TO SIDEWALK
STA 45+37	STA 46+99	RT	197	ADJACENT TO SIDEWALK
STA 47+35	STA 54+89	RT	780	ADJACENT TO SIDEWALK
STA 47+50	STA 53+19	RT/LT	1,138	ADJACENT TO MEDIAN
STA 53+25	STA 53+61	LT	193	ADJACENT TO PEDESTRIAN ISLAND
STA 53+69	STA 54+63	RT/LT	192	ADJACENT TO MEDIAN
STA 53+78	STA 54+52	LT	103	ADJACENT TO SIDEWALK
STA 55+78	STA 66+60	LT	1,070	ADJACENT TO SIDEWALK
STA 55+81	STA 62+02	RT/LT	1,250	ADJACENT TO MEDIAN
STA 55+86	STA 66+90	RT	1,126	ADJACENT TO SIDEWALK
STA 62+13	STA 66+50	RT/LT	888	ADJACENT TO MEDIAN
STA 67+37	STA 73+42	RT	645	ADJACENT TO SIDEWALK
STA 67+41	STA 70+54	RT/LT	628	ADJACENT TO MEDIAN
STA 67+05	STA 72+90	LT	612	ADJACENT TO SIDEWALK
STA 73+00	STA 73+30	LT	56	ADJACENT TO PEDESTRIAN ISLAND
STA 73+47	STA 76+15	LT	287	ADJACENT TO SIDEWALK
STA 73+78	STA 75+27	RT	152	ADJACENT TO SIDEWALK
STA 75+63	STA 80+75	RT	515	ADJACENT TO SIDEWALK
STA 79+78	STA 80+60	RT/LT	169	ADJACENT TO MEDIAN
STA 80+43	STA 80+60	LT	54	ADJACENT TO PEDESTRIAN ISLAND
TOTAL			12,217	

205.0001.0000 EXCAVATION FOR STRUCTURES

FROM STA	TO STA	OFFSET	VOLUME (CY)	REMARKS
STA 77+44	STA 77+66	RT	150	MERCHANTS WHARF, SEE M3
TOTAL			150	

205.0004.0000 POROUS BACKFILL MATERIAL

FROM STA	TO STA	OFFSET	VOLUME (CY)	REMARKS
STA 77+44	STA 77+66	RT	70	MERCHANTS WHARF, SEE M3
TOTAL			70	

205.0005.0000 CONTROLLED LOW-STRENGTH MATERIAL

FROM STA	TO STA	OFFSET	VOLUME (CY)	REMARKS
STA 77+68	STA 79+86	RT	36	PLACE UNDER EXISTING WALL AT MERCHANTS WHARF, SEE M2
TOTAL			36	

205.0006.0000 STRUCTURAL FILL

FROM STA	TO STA	OFFSET	VOLUME (CY)	REMARKS
STA 77+44	STA 77+66	RT	20	MERCHANTS WHARF, SEE M3
TOTAL			20	

501.0001.0000 CLASS A CONCRETE

FROM STA	TO STA	VOLUME (CY)	REMARKS
STA 54+82	STA 55+82	85	GOLD CREEK BRIDGE
TOTAL		85	

501(10) CLASS M CONCRETE

FROM STA	TO STA	VOLUME (CY)	REMARKS
STA 77+44	STA 77+66	22	TIMBER WALL REPLACEMENT AT MERCHANTS WHARF
TOTAL		22	

604.0004.0000 ADJUST MANHOLE, INCLUDING NEW FRAME AND LID

STATION	OFFSET (FT)	REMARKS
STA 43+02	92 LT	STORM DRAIN INSTALL PER STANDARD DRAWING 22.01
STA 43+03	94 RT	STORM DRAIN INSTALL PER STANDARD DRAWING 22.01
STA 43+11	43 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 49+21	44 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 51+60	44 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 58+05	43 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 60+48	44 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 63+36	44 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 66+45	50 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 67+16	44 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 71+01	38 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 72+90	28 RT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 73+43	27 LT	STORM DRAIN INSTALL PER STANDARD DRAWING 22.01
STA 73+44	48 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 73+78	32 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 74+73	19 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 74+73	2 RT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 77+85	10 RT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 78+26	13 RT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 79+27	2 RT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
STA 80+40	1 LT	STORM DRAIN INSTALL PER STANDARD DRAWING 22.01
STA 80+65	19 LT	SANITARY SEWER INSTALL PER CBJ STANDARD DRAING 206A*
TOTAL		22

606.2000.0000 BOLLARD

STATION	OFFSET (FT)	REMARKS
STA 76+27	33 RT	INSTALL PER DETAL 4-E4
STA 77+67	34 RT	INSTALL PER DETAL 4-E4
TOTAL		2

606.0001.0000 W-BEAM GUARDRAIL

FROM STA	TO STA	OFFSET	LENGTH (FT)	REMARKS
STA 55+96	STA 56+39	47' LT	43	
TOTAL			43	

606.0006.0000 REMOVING AND DISPOSING OF GUARDRAIL

FROM STA	TO STA	OFFSET	LENGTH (FT)	REMARKS
STA 55+76	STA 56+96	LT	81	
TOTAL			81	

606.0013.0000 PARALLEL GUARDRAIL TERMINAL

FROM STA	TO STA	OFFSET	EACH	REMARKS
STA 56+39	STA 56+80	47' LT	1	
TOTAL			1	

606.0016.0000 TRANSITION RAIL

FROM STA	TO STA	OFFSET	EACH	REMARKS
STA 55+76	STA 55+96	47' LT	1	SEE STANDARD DRAWING G-31.01
TOTAL			1	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7	9/14/18	CHANGED TABLE NAME	ALASKA	NH-0932(047)/69393	2018	D2	D4
8	11/14/18	CHANGED TABLE REMARKS					
9	1/15/19	UPDATED TABLES					

608.2013.0001 CONCRETE SLABS, BROOM FINISH, 4 INCHES THICK

FROM STA	TO STA	OFFSET	AREA (SY)	REMARKS
STA 77+66	STA 79+78	RT	67	PLACED ON TOP OF BRACKET SUPPORTED SIDEWALK
STA 77+62	STA 77+66	RT	3	WALKWAY REPLACEMENT AT MERCHANTS WHARF, SEE 2-M14
TOTAL			70	

608.2010.001 CONCRETE SIDEWALK WALL, TYPE BRACKET-SUPPORTED, SLABS 4 IN

FROM STA	TO STA	OFFSET	LENGTH (LF)	REMARKS
STA 77+88	STA 80+41	RT	273	SIDEWALK SUPPORT BRACKET, SEE DETAL 1-E10
STA 77+62	STA 77+66	RT	4	SIDEWALK SUPPORT BRACKET, SEE DETAL 1-E10
TOTAL			278	

603.2019.0030 LINER PIPE FOR STORM DRAIN 30 INCH, NEW

FROM STA	TO STA	OFFSET	LENGTH (FT)	REMARKS
STA 51+26	STA 51+28	RT/LT	121	30" CMP
TOTAL			121	

603.2019.0000 LINER PIPE FOR STORM DRAIN, 72 INCH, NEW

FROM STA/OFF.	TO STA/OFF.	LENGTH (FT)	REMARKS
STA 61+11	47' LT STA 61+07 91' RT	138	72" CMP
TOTAL		138	

604.0012.0000 REPLACE INLET FRAME AND GRATE

STATION	OFFSET (FT)	REMARKS
STA 42+77	RT	83
STA 42+92	RT	56
STA 43+36	RT	54
STA 67+06	LT	70
TOTAL		4



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST.

1/15/2019

SUMMARIES

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	9/14/18	CHANGED LOCATION & QUANTITY	ALASKA	NH-0932(047)/69393	2018	D3	D4
2	1/15/19	UPDATED TABLES					

608.0001.0004 CONCRETE SIDEWALK, 4 INCHES THICK				
FROM STA.	TO STA.	OFFSET	AREA (SY)	REMARKS
STA 42+74	STA 42+91	RT	19	PEDESTRIAN ISLAND
STA 43+25	STA 53+43	LT	666	SIDEWALK & PEDESTRIAN RAMP
STA 43+35	STA 43+61	RT	22	PEDESTRIAN ISLAND
STA 43+55	STA 45+05	RT	233	SIDEWALK & PEDESTRIAN RAMP
STA 45+39	STA 46+91	RT	128	SIDEWALK & PEDESTRIAN RAMP
STA 47+35	STA 54+72	RT	635	SIDEWALK & PEDESTRIAN RAMP
STA 53+37	STA 53+58	LT	20	PEDESTRIAN ISLAND
STA 53+78	STA 54+52	LT	81	SIDEWALK & PEDESTRIAN RAMP
STA 54+34	STA 54+44	RT/LT	21	MEDIAN CUT
STA 54+51	STA 54+77	LT	89	SIDEWALK GOLD CREEK BRIDGE
STA 54+71	STA 55+87	RT	100	SIDEWALK GOLD CREEK BRIDGE
STA 55+76	STA 66+60	LT	893	SIDEWALK
STA 55+85	STA 66+83	RT	943	SIDEWALK & PEDESTRIAN RAMP
STA 67+08	STA 72+80	LT	508	SIDEWALK & PEDESTRIAN RAMP
STA 67+34	STA 72+82	RT	478	SIDEWALK & PEDESTRIAN RAMP
STA 73+00	STA 73+29	LT	30	PEDESTRIAN ISLAND
STA 73+19	STA 73+40	RT	21	SIDEWALK & PEDESTRIAN RAMP
STA 73+47	STA 75+42	LT	255	SIDEWALK & PEDESTRIAN RAMP
STA 73+60	STA 75+26	RT	116	SIDEWALK & PEDESTRIAN RAMP
STA 75+62	STA 75+85	RT	21	SIDEWALK & PEDESTRIAN RAMP
STA 75+90	STA 76+15	LT	15	SIDEWALK
STA 76+27	STA 77+21	RT	80	SIDEWALK
STA 77+61	STA 80+43	RT	195	SIDEWALK
STA 80+50	STA 50+59	LT	7	PEDESTRIAN ISLAND
TOTAL			5,554	

608.0001.0006 CONCRETE SIDEWALK, 6 INCHES THICK				
FROM STA.	TO STA.	OFFSET	AREA (SY)	REMARKS
STA 72+82	STA 73+19	RT	30	DRIVEWAY CUT
STA 73+83	STA 74+29	LT	51	DRIVEWAY CUT & PEDESTRIAN RAMP
STA 75+42	STA 75+90	LT	30	DRIVEWAY CUT
STA 75+85	STA 76+27	RT	35	DRIVEWAY CUT
STA 77+21	STA 77+61	RT	35	DRIVEWAY CUT
STA 80+43	STA 80+76	RT	17	DRIVEWAY CUT
TOTAL			198	

609.0003.0000 BACKING CURB				
FROM STA.	TO STA.	OFFSET	LENGTH (FT)	REMARKS
STA 43+32	STA 43+38	LT	14	SEE STANDARD DRAWING I-21.10
STA 43+41	STA 43+52	LT	14	SEE STANDARD DRAWING I-21.10
STA 44+88	STA 44+97	RT	14	SEE STANDARD DRAWING I-21.10
STA 45+39	STA 45+52	RT	19	SEE STANDARD DRAWING I-21.10
STA 46+78	STA 46+88	RT	15	SEE STANDARD DRAWING I-21.10
STA 47+45	STA 47+53	RT	11	SEE STANDARD DRAWING I-21.10
STA 53+09	STA 53+18	LT	16	SEE STANDARD DRAWING I-21.10
STA 53+88	STA 53+96	LT	15	SEE STANDARD DRAWING I-21.10
STA 54+31	STA 54+50	LT	19	SEE STANDARD DRAWING I-21.10
STA 66+80	STA 66+86	RT	35	SEE STANDARD DRAWING I-21.10
STA 67+16	STA 67+23	LT	13	SEE STANDARD DRAWING I-21.10
STA 67+26	STA 67+37	LT	13	SEE STANDARD DRAWING I-21.10
STA 67+42	STA 67+45	RT	13	SEE STANDARD DRAWING I-21.10
STA 67+47	STA 67+57	RT	13	SEE STANDARD DRAWING I-21.10
STA 73+27	STA 73+34	RT	14	SEE STANDARD DRAWING I-21.10
STA 73+80	STA 73+99	RT	20	SEE STANDARD DRAWING I-21.10
STA 75+12	STA 75+26	RT	14	SEE STANDARD DRAWING I-21.10
STA 75+68	STA 75+77	RT	14	SEE STANDARD DRAWING I-21.10
TOTAL			285	

608.0006.0000 CURB RAMP		
STATION	OFFSET	REMARKS
STA 42+79	RT	PEDESTRIAN ISLAND
STA 42+80	RT	PEDESTRIAN ISLAND
STA 42+90	RT	PEDESTRIAN ISLAND
STA 43+30	LT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 43+36	RT	PEDESTRIAN ISLAND
STA 43+43	LT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 43+44	RT	PEDESTRIAN ISLAND
STA 43+48	RT	PEDESTRIAN ISLAND
STA 43+62	RT	INSTALL PERPENDICULAR PER STANDARD DRAWING I-22.10
STA 44+99	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 45+41	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 46+89	RT	INSTALL PER DETAIL 4-E3
STA 47+42	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 53+19	LT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 53+40	LT	PEDESTRIAN ISLAND
STA 53+59	LT	PEDESTRIAN ISLAND
STA 53+84	LT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 54+39	RT	MEDIAN
STA 54+39	LT	MEDIAN
STA 54+39	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 54+39	LT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 66+92	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 67+14	LT	INSTALL PERPENDICULAR PER STANDARD DRAWING I-22.10
STA 67+27	LT	INSTALL PERPENDICULAR PER STANDARD DRAWING I-22.10
STA 67+36	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 67+47	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 72+85	LT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 73+02	LT	PEDESTRIAN ISLAND
STA 73+28	LT	PEDESTRIAN ISLAND
STA 73+38	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 73+70	LT	INSTALL PERPENDICULAR PER STANDARD DRAWING I-22.10
STA 73+85	RT	INSTALL PER DETAIL 3-E3
STA 73+91	RT	MEDIAN
STA 73+91	LT	MEDIAN
STA 73+91	LT	INSTALL PERPENDICULAR PER STANDARD DRAWING I-22.10
STA 75+23	RT	INSTALL PER DETAIL 3-E3
STA 75+66	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 78+80	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 79+57	RT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 80+42	LT	INSTALL PARALLEL PER STANDARD DRAWING I-21.10
STA 80+52	LT	PEDESTRIAN ISLAND
STA 80+59	LT	PEDESTRIAN ISLAND
TOTAL	42	

608.2013.0005 CONCRETE SLABS, COLORED & PATTERN IMPRINTED, 4 INCHES THICK				
FROM STA.	TO STA.	OFFSET	AREA (SY)	REMARKS
STA 42+70	STA 42+74	RT	1	PEDESTRIAN ISLAND
STA 42+84	STA 42+90	RT	1	PEDESTRIAN ISLAND
STA 42+84	STA 42+92	RT	4	PEDESTRIAN ISLAND
STA 43+35	STA 45+39	RT	1	PEDESTRIAN ISLAND
STA 43+36	STA 43+44	RT	4	PEDESTRIAN ISLAND
STA 43+49	STA 43+55	RT	2	PEDESTRIAN ISLAND
STA 43+55	STA 46+93	RT/LT	75	MEDIAN
STA 47+53	STA 49+18	RT/LT	42	MEDIAN
STA 50+59	STA 53+17	RT/LT	60	MEDIAN
STA 53+27	STA 53+58	LT	40	PEDESTRIAN ISLAND
STA 53+42	STA 58+59	LT	43	PEDESTRIAN ISLAND
STA 54+45	STA 54+63	RT/LT	24	MEDIAN
STA 54+60	STA 55+83	RT/LT	187	MEDIAN, GOLD CREEK BRIDGE
STA 63+87	STA 66+48	RT/LT	61	MEDIAN
STA 67+50	STA 68+97	RT/LT	40	MEDIAN
STA 69+97	STA 70+54	RT/LT	24	MEDIAN
STA 73+79	STA 74+06	RT/LT	24	PEDESTRIAN ISLAND
STA 80+45	STA 80+52	LT	3	PEDESTRIAN ISLAND
STA 80+53	STA 80+59	LT	1	PEDESTRIAN ISLAND
STA 80+55	STA 80+60	LT	1	PEDESTRIAN ISLAND
TOTAL			640	

609.0002.0001 CURB AND GUTTER, TYPE 1				
FROM STA.	TO STA.	OFFSET	LENGTH (FT)	REMARKS
STA 42+70	STA 42+92	RT	72	PEDESTRIAN ISLAND
STA 43+24	STA 53+43	LT	1,100	SIDEWALK & PEDESTRIAN RAMP
STA 43+35	STA 43+55	RT	73	PEDESTRIAN ISLAND
STA 43+55	STA 46+93	RT/LT	678	MEDIAN
STA 43+56	STA 45+04	RT	223	SIDEWALK & PEDESTRIAN RAMP
STA 45+30	STA 46+99	RT	209	SIDEWALK & PEDESTRIAN RAMP
STA 47+35	STA 54+71	RT	773	SIDEWALK & PEDESTRIAN RAMP
STA 55+85	STA 66+93	RT	1,135	SIDEWALK & PEDESTRIAN RAMP
STA 47+53	STA 53+17	RT/LT	1,133	MEDIAN
STA 53+27	STA 53+58	LT	160	PEDESTRIAN ISLAND
STA 53+69	STA 54+32	RT/LT	148	MEDIAN
STA 53+79	STA 54+52	LT	147	SIDEWALK & PEDESTRIAN RAMP
STA 55+77	STA 66+80	LT	1,070	SIDEWALK & PEDESTRIAN RAMP
STA 54+45	STA 54+62	RT/LT	45	MEDIAN
STA 55+82	STA 66+48	RT/LT	2,136	MEDIAN
STA 67+08	STA 72+90	LT	811	SIDEWALK & PEDESTRIAN RAMP
STA 67+34	STA 73+40	RT	649	SIDEWALK & PEDESTRIAN RAMP
STA 67+50	STA 70+54	RT/LT	614	MEDIAN
STA 72+60	STA 73+29	LT	96	PEDESTRIAN ISLAND
STA 73+47	STA 76+15	LT	288	SIDEWALK, PEDESTRIAN RAMP & DRIVE CUT
STA 73+79	STA 74+06	RT/LT	70	MEDIAN
STA 73+79	STA 75+26	RT	152	SIDEWALK & PEDESTRIAN RAMP
STA 75+62	STA 80+75	RT	520	SIDEWALK & PEDESTRIAN RAMP
STA 80+45	STA 80+60	LT	46	PEDESTRIAN ISLAND
TOTAL			12,147	

611.0001.0001 RIPRAP, CLASS I				
FROM STA.	TO STA.	OFFSET	VOLUME (CY)	REMARKS
STA 77+47	STA 77+68	RT	30	MERCHANTS WHARF TIMBER WALL, SEE TABLE ON M3
STA 77+68	STA 79+86	RT	230	MERCHANTS WHARF
TOTAL			30	

610.0002.0000 DITCH LINING, UNDER WHARF				
FROM STA.	TO STA.	OFFSET	WEIGHT (TON)	REMARKS
STA 77+68	STA 79+86	RT	95	PLACED AT MERCHANTS WHARF
TOTAL			95	

610.0002.0000 DITCH LINING, REINFORCED SOIL SLOPE				
FROM STA.	TO STA.	OFFSET	WEIGHT (TON)	REMARKS
STA 50+00	STA 63+85	RT	364	PLACED AT REINFORCED SOIL SLOPE
TOTAL			364	



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EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST.

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615.0005.0000 DELINATOR, FLEXIBLE				
STATION	OFFSET		REMARKS	
STA 42+71	39	RT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 42+87	39	RT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 42+91	60	RT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 43+37	37	RT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 43+39	59	RT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 43+54	36	RT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 43+56	6	RT	MEDIAN; SEE DETAIL 5-E4	
STA 46+92	6	RT	MEDIAN; SEE DETAIL 5-E4	
STA 47+53	6	RT	MEDIAN; SEE DETAIL 5-E4	
STA 48+98	5	RT	MEDIAN; SEE DETAIL 5-E4	
STA 49+78	6	LT	MEDIAN; SEE DETAIL 5-E4	
STA 49+99	6	RT	MEDIAN; SEE DETAIL 5-E4	
STA 50+79	5	LT	MEDIAN; SEE DETAIL 5-E4	
STA 53+16	6	LT	MEDIAN; SEE DETAIL 5-E4	
STA 53+28	44	LT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 53+56	103	LT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 53+57	47	LT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 53+76	7	LT	MEDIAN; SEE DETAIL 5-E4	
STA 53+76	7	RT	MEDIAN; SEE DETAIL 5-E4	
STA 54+31	6	LT	MEDIAN; SEE DETAIL 5-E4	
STA 54+31	6	RT	MEDIAN; SEE DETAIL 5-E4	
STA 54+47	6	LT	MEDIAN; SEE DETAIL 5-E4	
STA 54+47	6	RT	MEDIAN; SEE DETAIL 5-E4	
STA 64+02	5	LT	MEDIAN; SEE DETAIL 5-E4	
STA 66+48	6	LT	MEDIAN; SEE DETAIL 5-E4	
STA 67+50	6	RT	MEDIAN; SEE DETAIL 5-E4	
STA 68+56	8	RT	MEDIAN; SEE DETAIL 5-E4	
STA 68+67	9	RT	MEDIAN; SEE DETAIL 5-E4	
STA 69+39	2	LT	MEDIAN; SEE DETAIL 5-E4	
STA 70+53	1	RT	MEDIAN; SEE DETAIL 5-E4	
STA 73+80	2	LT	MEDIAN; SEE DETAIL 5-E4	
STA 73+80	2	RT	MEDIAN; SEE DETAIL 5-E4	
STA 74+05	2	LT	MEDIAN; SEE DETAIL 5-E4	
STA 74+05	2	RT	MEDIAN; SEE DETAIL 5-E4	
STA 80+46	21	LT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 80+57	31	LT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
STA 80+68	23	LT	PEDESTRIAN ISLAND; SEE DETAIL 5-E4	
TOTAL			37	

618.0002.0000 SEEDING				
FROM STA.	TO STA.	OFFSET	POUND	REMARKS
STA 43+62	STA 45+00	RT	0.8	
STA 45+39	STA 46+99	RT	1.4	
STA 47+45	STA 49+99	RT	5.5	
STA 49+18	STA 50+59	RT/LT	2.1	MEDIAN
STA 53+69	STA 54+32	RT/LT	1.3	MEDIAN
STA 55+81	STA 63+87	RT/LT	16.5	MEDIAN
STA 64+00	STA 66+85	RT	1.3	
STA 68+97	STA 69+97	RT/LT	1.1	MEDIAN
STA 71+53	STA 73+34	RT	0.2	
STA 72+90	STA 73+28	LT	0.6	PED ISLAND
STA 73+05	STA 73+29	LT	0.2	PED ISLAND
STA 73+80	STA 75+26	RT	0.4	
TOTAL			31.3	

619.2013.0000 BONDED FIBER MATRIX (BFM)				
FROM STA.	TO STA.	OFFSET	POUND	REMARKS
STA 43+62	STA 45+00	RT	49	
STA 45+39	STA 46+99	RT	84	
STA 47+45	STA 49+99	RT	339	
STA 49+18	STA 50+59	RT/LT	131	MEDIAN
STA 53+69	STA 54+32	RT/LT	79	MEDIAN
STA 55+81	STA 63+87	RT/LT	1,015	MEDIAN
STA 64+00	STA 66+85	RT	82	
STA 68+97	STA 69+97	RT/LT	67	MEDIAN
STA 71+53	STA 73+34	RT	11	
STA 72+90	STA 73+28	LT	39	PED ISLAND
STA 73+05	STA 73+29	LT	10	PED ISLAND
STA 73+80	STA 75+26	RT	22	
TOTAL			1,928	

620.0001.0000 TOPSOIL				
FROM STA.	TO STA.	OFFSET	AREA (SY)	REMARKS
STA 43+62	STA 45+00	RT	59	
STA 45+39	STA 46+99	RT	102	
STA 47+45	STA 49+99	RT	410	
STA 49+18	STA 50+59	RT/LT	158	MEDIAN
STA 53+69	STA 54+32	RT/LT	96	MEDIAN
STA 55+81	STA 63+87	RT/LT	1,228	MEDIAN
STA 64+00	STA 66+85	RT	100	
STA 68+97	STA 69+97	RT/LT	81	MEDIAN
STA 71+53	STA 73+34	RT	14	
STA 72+90	STA 73+28	LT	47	PED ISLAND
STA 73+05	STA 73+29	LT	13	PED ISLAND
STA 73+80	STA 75+26	RT	26	
TOTAL			2,333	

625.0001.0000 PIPE HAND RAIL				
FROM STA.	TO STA.	OFFSET	LENGTH (LF)	REMARKS
STA 50+00	STA 54+53	RT	453	MSE WALL
STA 55+87	STA 63+85	RT	798	MSE WALL
TOTAL			1,251	

627.0010.0000 ADJUSTMENT OF VALVE BOX				
STATION	OFFSET (FT)		REMARKS	
STA 45+05	68	RT	SEE DETAIL 2-E1	
STA 45+12	45	RT	SEE DETAIL 2-E1	
STA 45+12	65	RT	SEE DETAIL 2-E1	
STA 45+14	40	LT	SEE DETAIL 2-E1	
STA 45+16	47	RT	SEE DETAIL 2-E1	
STA 45+49	53	RT	SEE DETAIL 2-E1	
STA 47+12	47	RT	SEE DETAIL 2-E1	
STA 47+22	44	RT	SEE DETAIL 2-E1	
STA 47+25	44	RT	SEE DETAIL 2-E1	
STA 47+27	43	RT	SEE DETAIL 2-E1	
STA 51+74	45	RT	SEE DETAIL 2-E1	
STA 66+68	29	RT	SEE DETAIL 2-E1	
STA 66+72	24	RT	SEE DETAIL 2-E1	
STA 66+74	39	RT	SEE DETAIL 2-E1	
STA 66+88	68	LT	SEE DETAIL 2-E1	
STA 66+90	65	LT	SEE DETAIL 2-E1	
STA 66+96	39	RT	SEE DETAIL 2-E1	
STA 66+96	44	RT	SEE DETAIL 2-E1	
STA 66+99	41	RT	SEE DETAIL 2-E1	
STA 71+28	33	LT	SEE DETAIL 2-E1	
STA 71+41	33	RT	SEE DETAIL 2-E1	
STA 72+97	36	RT	SEE DETAIL 2-E1	
STA 73+19	29	RT	SEE DETAIL 2-E1	
STA 73+23	30	RT	SEE DETAIL 2-E1	
STA 73+39	45	LT	SEE DETAIL 2-E1	
STA 73+53	33	RT	SEE DETAIL 2-E1	
STA 73+81	38	LT	SEE DETAIL 2-E1	
STA 74+73	31	RT	SEE DETAIL 2-E1	
STA 76+06	27	RT	SEE DETAIL 2-E1	
STA 76+68	28	RT	SEE DETAIL 2-E1	
STA 77+65	22	RT	SEE DETAIL 2-E1	
STA 78+66	27	RT	SEE DETAIL 2-E1	
STA 79+30	21	RT	SEE DETAIL 2-E1	
STA 79+32	19	RT	SEE DETAIL 2-E1	
STA 79+35	21	RT	SEE DETAIL 2-E1	
TOTAL			35	

630.0001.0000 GEOTEXTILE, SEPARATION, CLASS 3				
FROM STA.	TO STA.	OFFSET	AREA (SY)	REMARKS
STA 77+68	STA 79+86	RT	100	MERCHANTS WHARF, SEE TABLE ON M3
TOTAL			100	

631.0001.0002 GEOTEXTILE, DRAINAGE, CLASS 2				
FROM STA.	TO STA.	OFFSET	AREA (SY)	REMARKS
STA 77+68	STA 79+86	RT	121	PLACED AT MERCHANTS WHARF
TOTAL			121	

634.0002.0000 GEOGRID, REINFORCEMENT, CLASS 1				
FROM STA.	TO STA.	OFFSET	AREA (SY)	REMARKS
STA 50+00	STA 63+85	RT	2,332	PLACED AT MSE WALL ALTERNATIVE
TOTAL			2,332	

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
6	1/15/19	UPDATED TABLES	ALASKA	NH-0932(047)/69393	2018	D4	D4

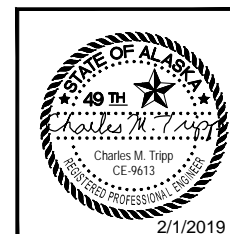
635.2000.0000 INSULATION BOARD, 1 INCH THICK				
STA	OFFSET		MBM	REMARKS
STA 51+10	45	RT	0.38	P-9; SEE DETAIL 1-E2
STA 52+78	36	RT	0.38	P-11; SEE DETAIL 1-E2
STA 66+91	36	LT	0.38	P-27; SEE DETAIL 1-E2
STA 68+26	33	RT	0.38	P-28; SEE DETAIL 1-E2
STA 74+79	16	RT	0.38	P-36; SEE DETAIL 1-E2
STA 75+08	25	RT	0.38	P-37; SEE DETAIL 1-E2
TOTAL			2.3	

639.0003.0000 DRIVEWAY, COMMERCIAL							
STATION	OFFSET		WIDTH	LENGTH	RADIUS		REMARKS
			(FT)	(FT)	RT	LT	
73+00.32	RT		12.5	38.0	0	0	SEE DETAIL 5-E3
74+08.89	LT		15.5	30.1	0	0	SEE DETAIL 5-E3
75+65.78	LT		11.0	38.4	0	0	SEE DETAIL 5-E3
76+06.48	RT		12.5	32.0	0	0	SEE DETAIL 5-E3
77+40.73	RT		12.5	32.0	0	0	SEE DETAIL 5-E3
80+60.08	RT		10.0	22.6	0	0	SEE DETAIL 5-E3
TOTAL		6					

639.0002.0000 DRIVEWAY, APPROACHES							
FROM STA.	TO STA.	OFFSET	WIDTH (FT)	LENGTH (FT)	RADIUS		REMARKS
					RT	LT	
STA 75+77	STA 77+61	RT	VARIES FROM 6" TO 3'	184.0			ASPHALT SLIVER TO ATTACH BACK OF SIDEWALK INTO EXISTING PARKING
TOTAL		1					

670.0001.0000 PAINTED TRAFFIC MARKINGS			
TYPE	QUANTITY	REMARKS	
PAINTED TRAFFIC MARKINGS	2,750	S.F.	SEE H SHEETS

670.2002.0000 MMA PAVEMENT MARKINGS, INLAID			
TYPE	QUANTITY	REMARKS	
4" DASHED YELLOW	560	L.F.	SEE H SHEETS
4" SOLID YELLOW	580	L.F.	SEE H SHEETS
4" SOLID DOUBLE YELLOW	520	L.F.	SEE H SHEETS
4" SOLID WHITE	6,050	L.F.	SEE H SHEETS
4" DASHED WHITE	5,650	L.F.	SEE H SHEETS
8" SOLID WHITE	1,130	L.F.	SEE H SHEETS
24" SOLID WHITE	1,830	L.F.	SEE H SHEETS
18" SOLID WHITE DIAGONAL	60	L.F.	SEE H SHEETS
4" WHITE DOTTED	1,250	L.F.	SEE H SHEETS
12" YELLOW CURB	890	L.F.	SEE H SHEETS
BICYCLE SYMBOL/ARROWS	27	EACH	SEE H SHEETS
LANE ARROW	47	EACH	SEE H SHEETS

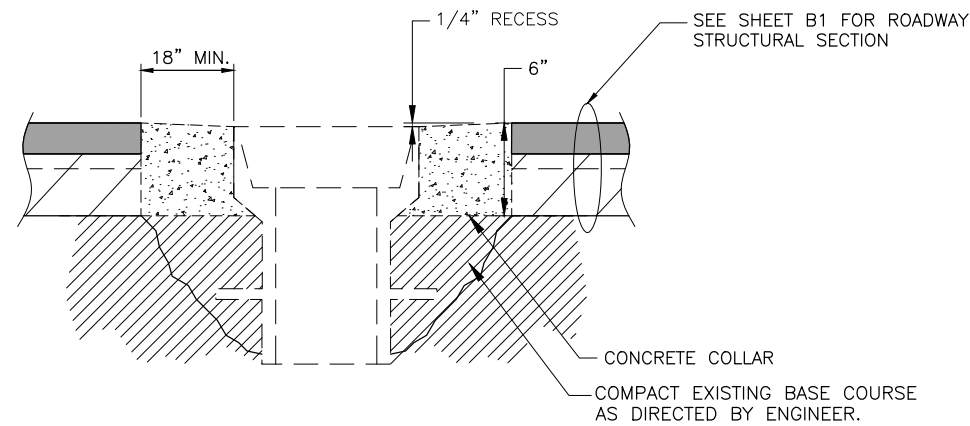


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 MAIN ST. TO 10TH ST.**

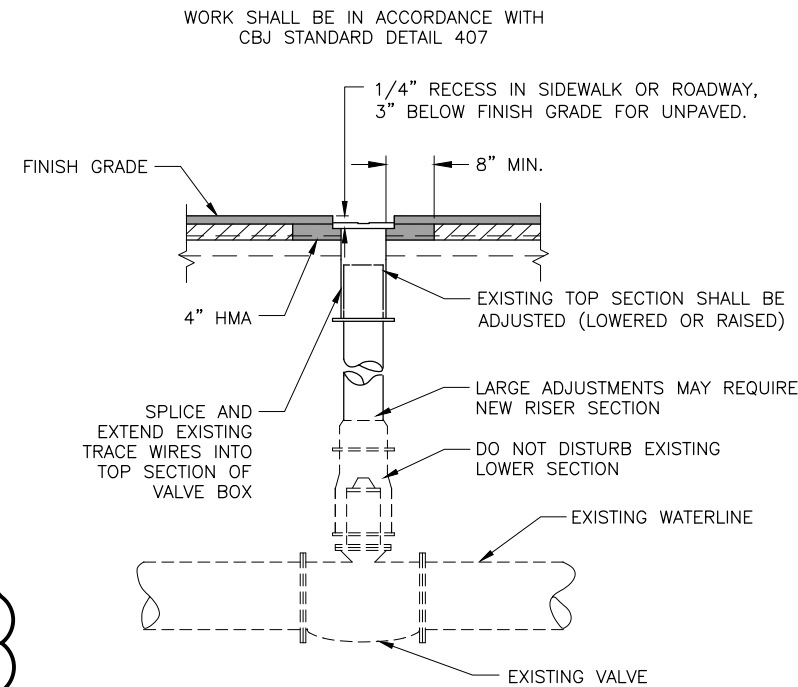
SUMMARIES

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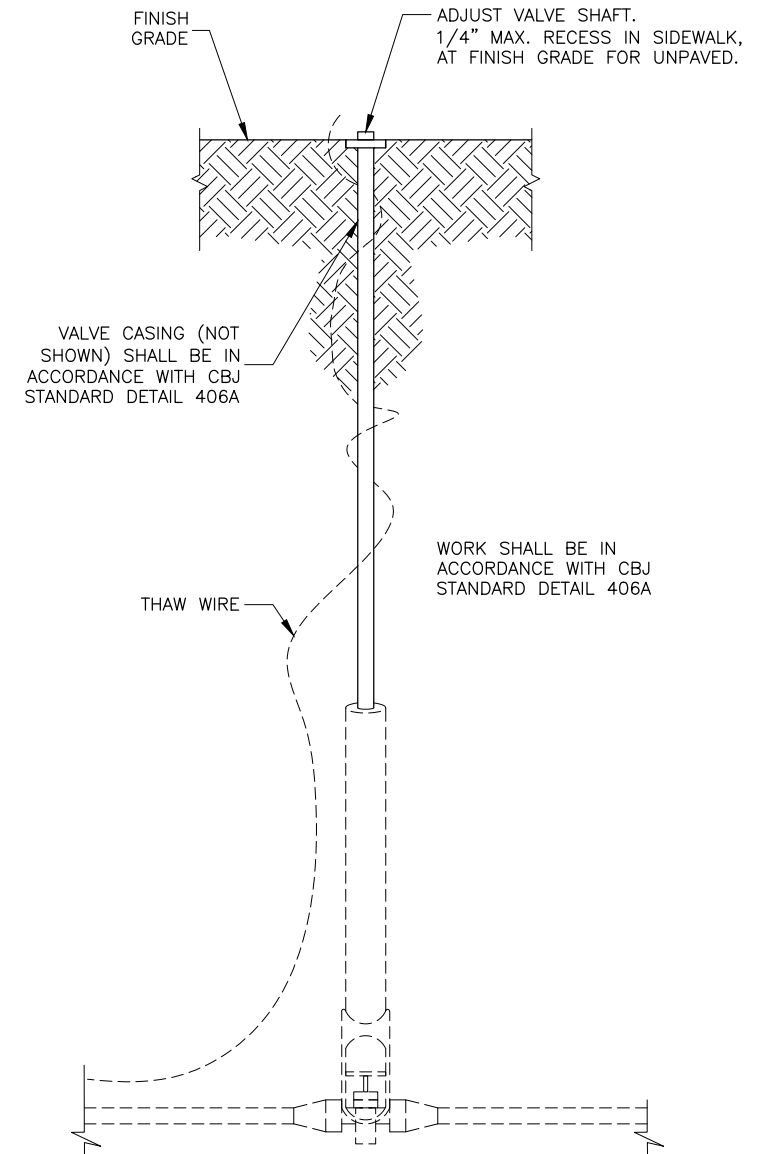
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7A	9/14/18	NEW FRAME & LID	ALASKA	NH-0932(047)/69393	2018	E1	E11



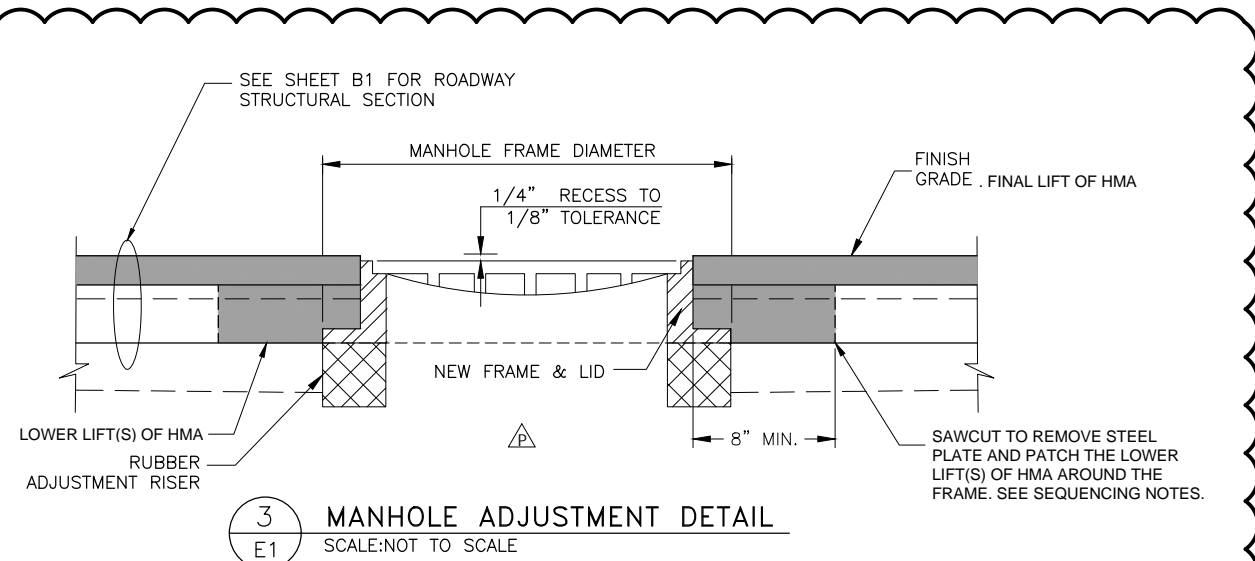
1 MONUMENT CASE ADJUSTMENT DETAIL
SCALE:NOT TO SCALE



2 VALVE BOX ADJUSTMENT DETAIL
SCALE:NOT TO SCALE



5 WATER SERVICE CONNECT ADJUSTMENT DETAIL
SCALE:NOT TO SCALE



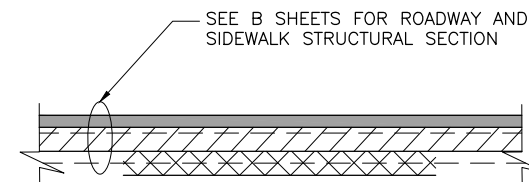
3 MANHOLE ADJUSTMENT DETAIL
SCALE:NOT TO SCALE

MANHOLE ADJUSTMENT CONSTRUCTION SEQUENCING NOTES:

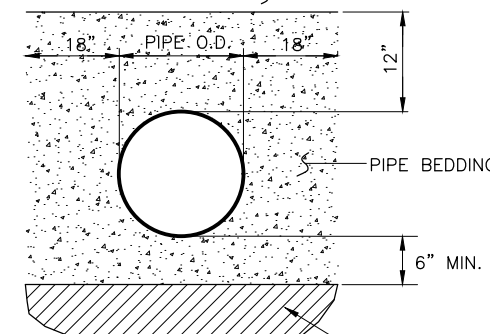
1. SAW CUT AND REMOVE FULL DEPTH OF EXISTING ASPHALT CONCRETE A MINIMUM OF 8" AROUND EXISTING MANHOLE FRAMES.
2. REMOVE EXISTING MANHOLE FRAMES, LIDS, & ADJUSTING RINGS.
3. INSTALL STEEL PLATE OVER MANHOLE OPENING AS A TEMPORARY MEASURE.
4. AFTER PLACING THE LOWER LIFT(S) OF HMA, SAWCUT THE LOWER LIFT(S) OF HMA AND REMOVE THE STEEL PLATE AND INSTALL NEW RISERS, FRAME AND LID. ADJUST FRAMES TO FINISHED GRADE.
5. PRIOR TO FINAL PAVING, CONSTRUCT LOWER LIFT(S) OF HMA AROUND FRAME. CONSTRUCT HMA PER SECTION 408.
6. CONSTRUCT FINAL HMA IN ACCORDANCE WITH SECTION 408.

MANHOLE & VALVE ADJUSTMENT NOTES:

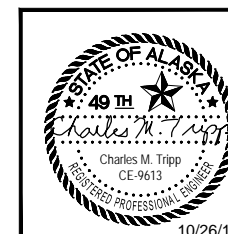
1. MANHOLE CASTING SHALL BE ADJUSTED TO CONFORM WITH SLOPE AND GRADE OF PROPOSED PAVEMENT.
2. ADJUSTING RINGS SHALL BE PROPERLY SIZED FOR THE EXISTING CONE OR FLAT TOP OPENING.
3. INSTALLATION OF FRAME, COVER, AND ADJUSTMENT RINGS, ONTO THE EXISTING STRUCTURE SHALL BE WATER-TIGHT.
4. APPLY WATERPROOF MASTIC AND MEMBRANE AROUND RINGS. RUBBER GRADE RIND ADJUSTMENT RISERS SHALL BE BONDED TO ADJACENT SURFACES BY LAYING AT LEAST 3 BEADS, A MINIMUM OF 5/8" THICK OF POLYURETHANE CONSTRUCTION ADHESIVE ON EACH SIDE OF THE RUBBER RISERS OR THE TOP SURFACE OF THE CONCRETE COURSE. TWO OF THE ADHESIVE BEADS SHALL BE WITHIN 1" OF THE EDGES OF THE RUBBER GRADE RING ADJUSTMENT RISER, THE THIRD SHALL BE EQUIDISTANT BETWEEN THE TWO OUTER BEADS. THE BEADS SHALL BE CONTINUOUS AROUND THE RUBBER GRADE RING ADJUSTMENT RISER.



4 CULVERT BEDDING/BACKFILL DETAIL
SCALE:NOT TO SCALE



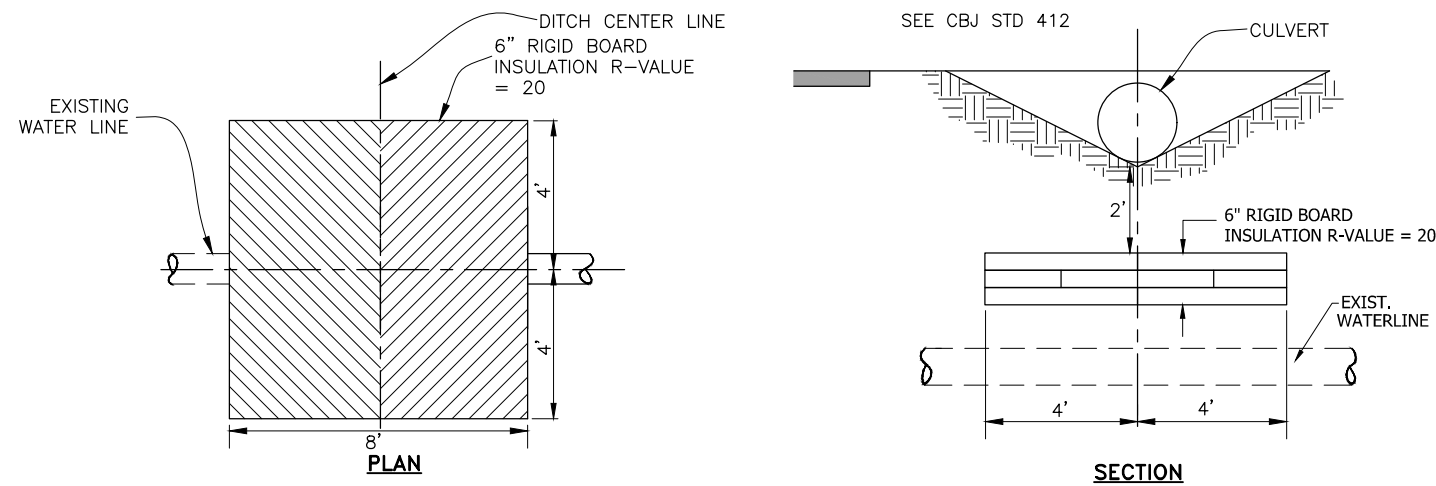
REMOVE UNSUITABLE MATERIAL WHEN AUTHORIZED AND REPLACE WITH PIPE BEDDING MATERIAL. SEE SECTION 204 IN THE SPECIFICATION.



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MAIN ST. TO 10TH ST**
MISCELLANEOUS DETAILS

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 DRAFTED NG,RG

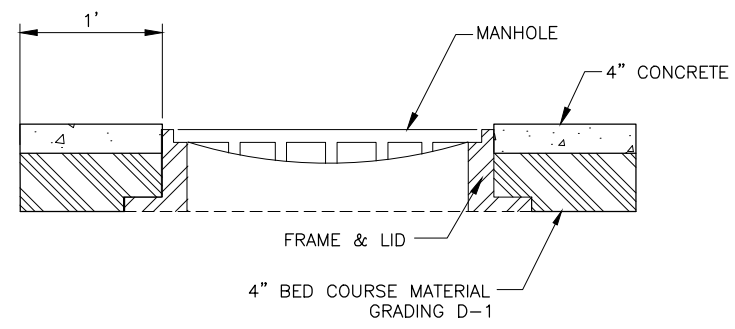
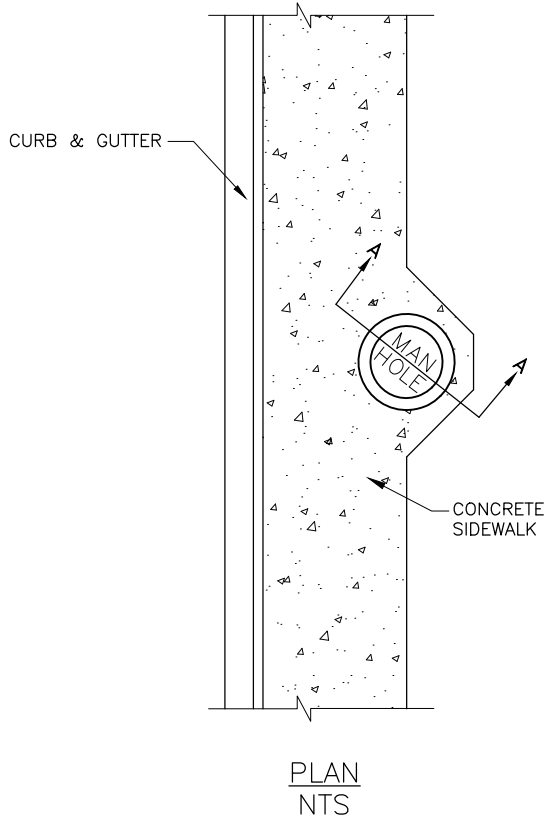
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E2	E11



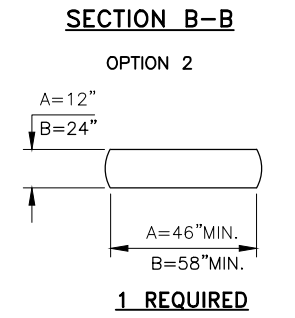
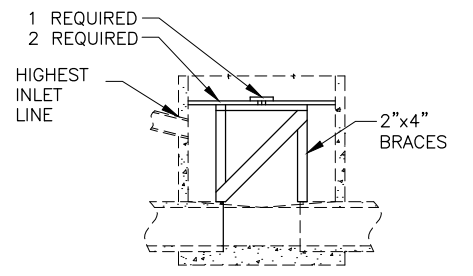
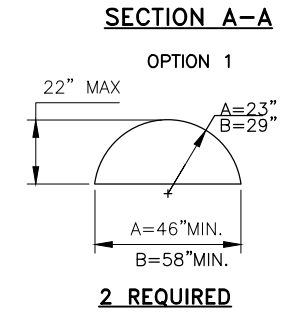
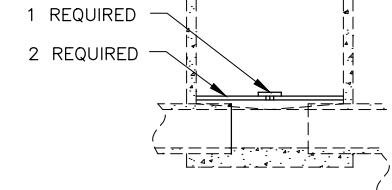
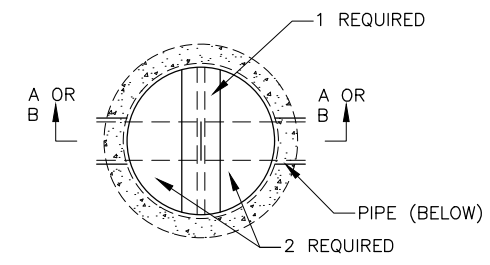
1 RIGID INSULATION
 E2 SCALE: NOT TO SCALE

RIGID INSULATION NOTES:

1. INSTALL INSULATION AS SHOWN WHEN EXISTING WATERLINE IS LESS 5'-0" BELOW BOTTOM OF DITCH.
2. PIPE INSULATION SHALL BE 8'-0" IN LENGTH, CENTERED OVER EXISTING WATERLINE.
3. PIPE INSULATION WITH R-FACTOR EQUAL TO RIGID BOARD MAY BE SUBSTITUTED IF APPROVED BY ENGINEER.
4. CROSSING SHALL BE PROTECTED WITH A MINIMUM 6" OF INSULATION BOARDS WITH A 12" OVER LAP AS SHOWN.

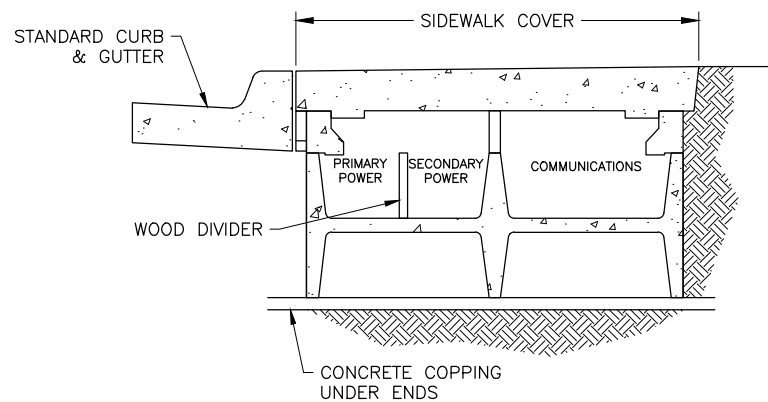


4 PAVING AROUND MANHOLE
 E2 SCALE: NOT TO SCALE

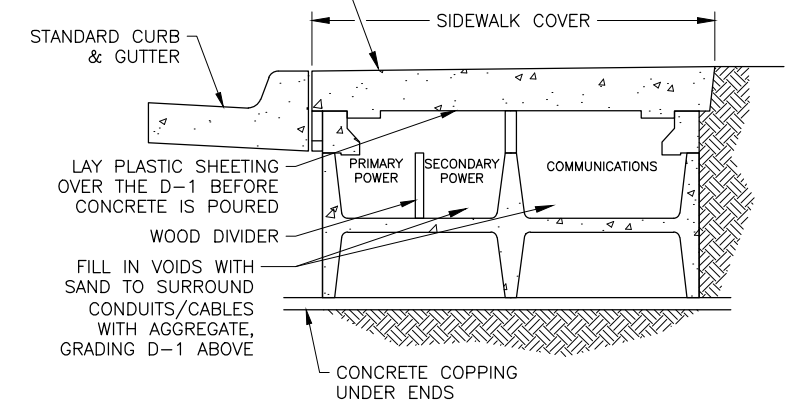


2 SANITARY SEWER INVERT COVER PLAN (INVERT COVER IN PLACE)
 E2 SCALE: NOT TO SCALE

USE DIMENSION A FOR 48" MANHOLES
 USE DIMENSION B FOR 60" MANHOLES

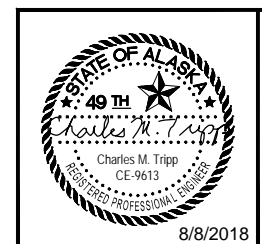


EXISTING



PROPOSED

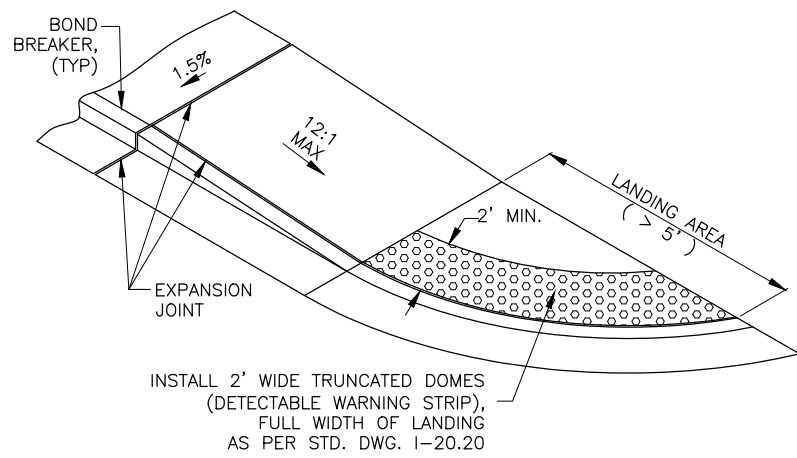
3 UTILIWALK SIDEWALK REPLACEMENT
 E2 SCALE: NOT TO SCALE
 "M" STA. 73+46.97 TO STA. 76+15.25



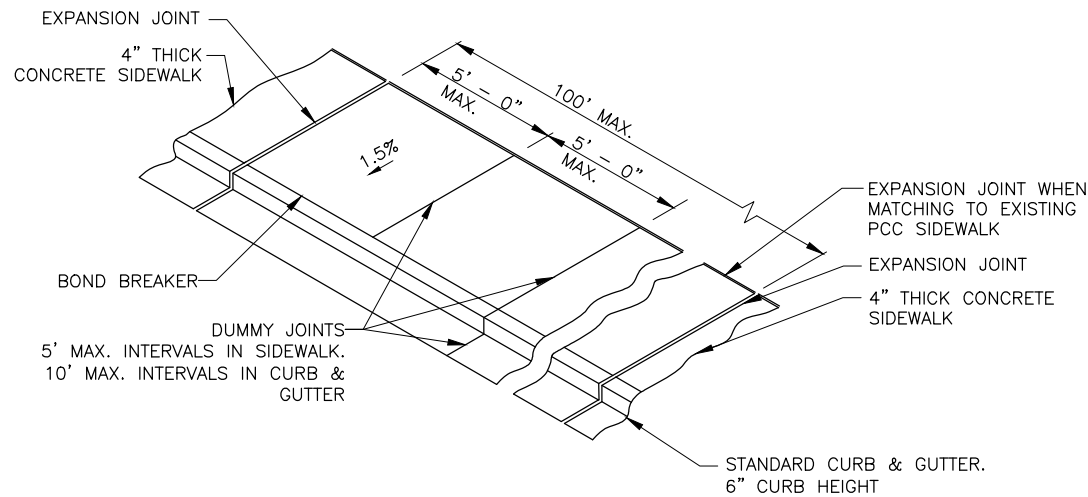
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
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EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST
 MISCELLANEOUS DETAILS

FILE G:\nu\69393\Plmset\69393_E1-E6_MiscDetails.dwg DATE 8/7/2018 10:15 LAYOUT E3 DESIGNED NG,DP CHECKED CT DRAFTED NG,RG

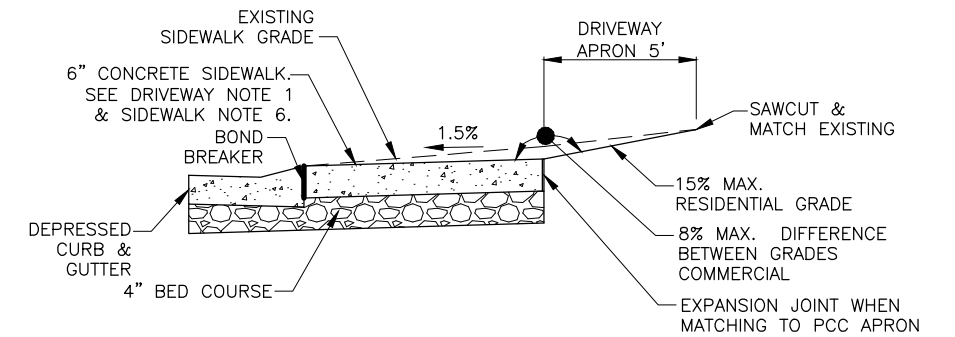
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E3	E11



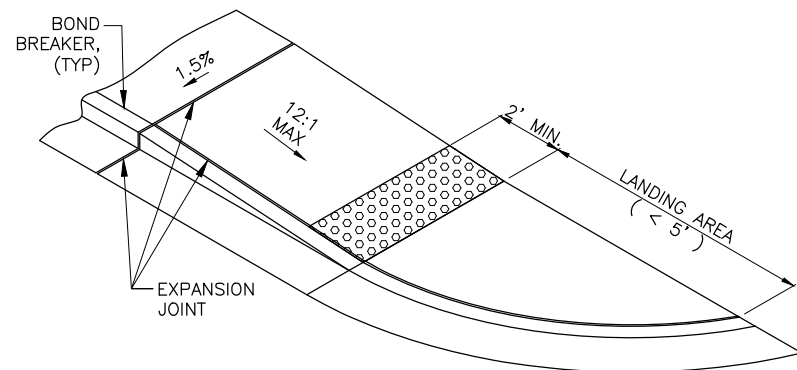
3 ONE WAY DIRECTIONAL CURB RAMP
(LANDING AREA > 5')
 SCALE:NOT TO SCALE



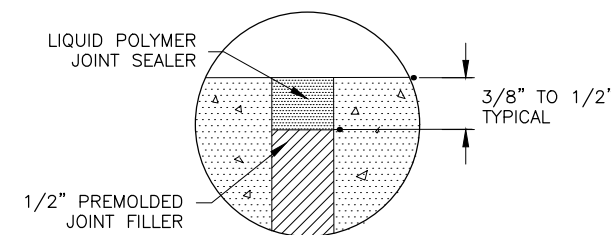
2 TYPICAL SIDEWALK, CURB & GUTTER DETAIL
 SCALE:NOT TO SCALE



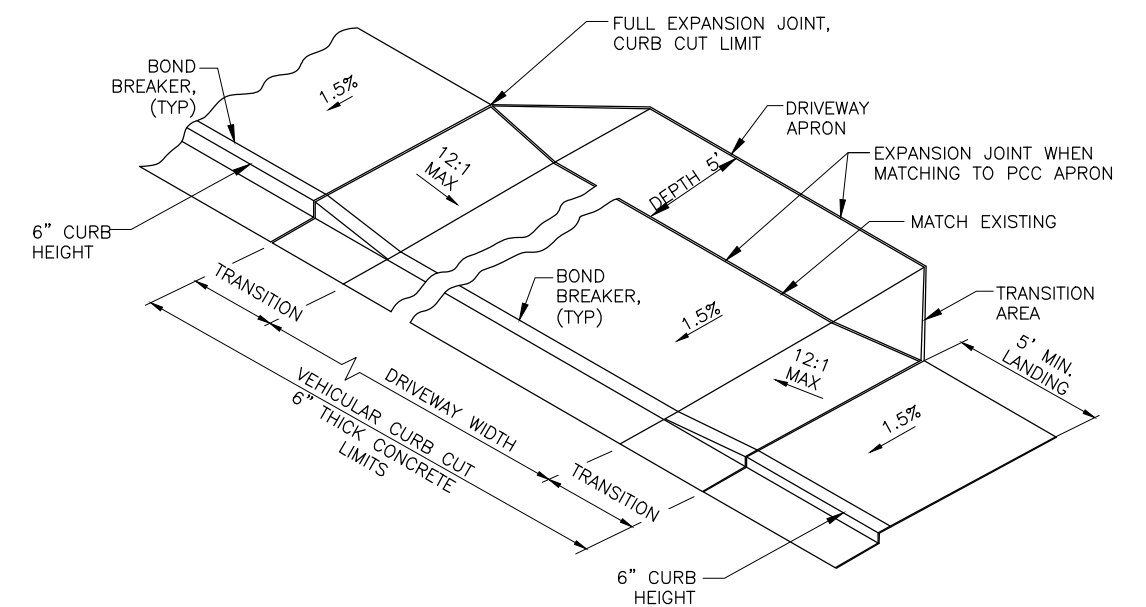
1 DRIVEWAY APRON SECTION
 SCALE: N.T.S.



4 ONE WAY DIRECTIONAL CURB RAMP
(LANDING AREA < 5')
 SCALE:NOT TO SCALE



6 EXPANSION JOINT DETAIL
 SCALE:NOT TO SCALE



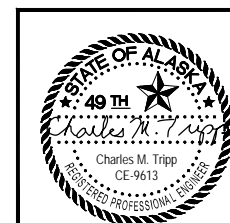
5 DRIVEWAY RAMP DETAIL
 SCALE:NOT TO SCALE

SIDEWALK, CURB & GUTTER NOTES:

- IN ALL CASES THE SIDEWALK CROSS-SLOPE WILL TARGET 1.5% AND WILL IN NO CASE EXCEED 2% IN ORDER TO MEET ADA REQUIREMENTS. SURFACE DRAINAGE WILL BE TOWARDS THE ROADWAY.
- NUMEROUS PROPERTIES ARE FRONTED WITH FENCES OR WALLS AT THE BACK OF THE EXISTING SIDEWALK. EXERCISE CAUTION TO AVOID DAMAGING PRIVATE FEATURES. REMOVE AND REPLACE FENCES AND RETAINING WALLS SHOWN ON THE PLANS.
- CONCRETE SIDEWALKS AND CURB & GUTTER EXPANSION JOINTS SHALL BE PLACED AT EACH END OF CURB RETURNS AND IMMEDIATELY PRECEDING AND FOLLOWING ALL CURB AND SIDEWALK CUTS. THEREAFTER, THEY SHALL BE PLACED AT 100' MAXIMUM INTERVALS. INSTALL EXPANSION JOINTS WHEN ABUTTING EXISTING FEATURES SUCH AS RETAINING WALLS, FOUNDATIONS, STAIRS, ETC.
- INSTALL A BOND BREAKER FOR THE FULL THICKNESS OF THE SIDEWALK BETWEEN THE SIDEWALK AND CURB & GUTTER AS SHOWN. USE A 15 OR 30 POUND ROOFING FELT MATERIAL OR OTHER APPROVED PRODUCT. DO NOT USE EXPANSION JOINT MATERIAL AS A BOND BREAKER.
- CONCRETE SIDEWALK DUMMY JOINTS SHALL EXTEND INTO CONCRETE 1/3 THE DEPTH OF THE CONCRETE AND 1/8" WIDE AT 5' MAXIMUM INTERVALS BETWEEN EXPANSION JOINTS. PLACE CURB & GUTTER DUMMY JOINTS AT 10' MAXIMUM INTERVALS.
- ALL CONCRETE WITHIN THE CURB CUT LIMITS FOR DRIVEWAYS SHALL BE 6" THICK.
- WHERE THE ROADWAY IS SUPERELEVATED AND USES A CONTINUOUS CROSS-SLOPE WITHOUT A CROWN AT CENTERLINE, THE GUTTER PAN ON THE HIGH SIDE OF THE ROADWAY SHALL MATCH THE SLOPE OF THE ROADWAY AND DRAIN TOWARD CENTERLINE.
- ALL JOINTS AND SEAMS SHALL BE EDGED.
- STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING ON ALL SURFACES.
- CURING COMPOUND SHALL BE APPLIED TO THE CONCRETE. APPLICATION SHALL CONFORM TO THE MANUFACTURER'S RECOMMENDATIONS.
- SEE STANDARD DRAWINGS I-20.20 AND I-21.10 AND I-22.10 FOR ADDITIONAL INFORMATION.

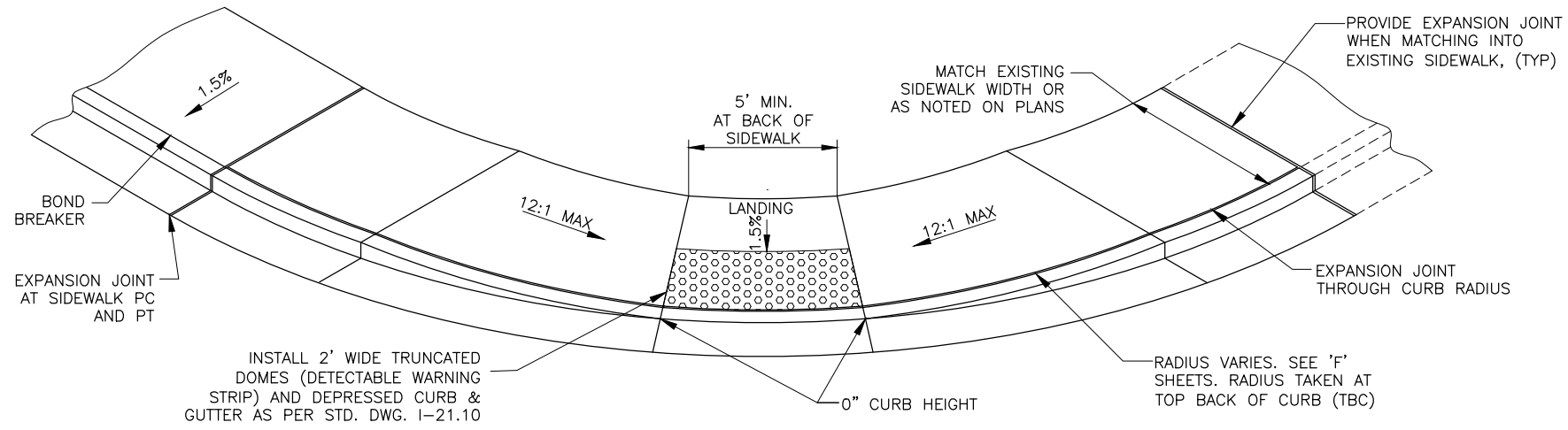
DRIVEWAY APRON NOTES:

- WHEN REQUIRED TO SAWCUT TO MATCH TO EXISTING DRIVE, CONSTRUCT APRON OF SAME MATERIAL AS EXISTING DRIVE. FOR EXISTING ASPHALT PAVEMENT DRIVES, CONSTRUCT APRON WITH 2" ASPHALT CONCRETE. FOR PCC DRIVES, CONSTRUCT APRON WITH MINIMUM 6" CLASS B CONCRETE OR MATCH EXISTING WHEN GREATER THAN 6" THICK.

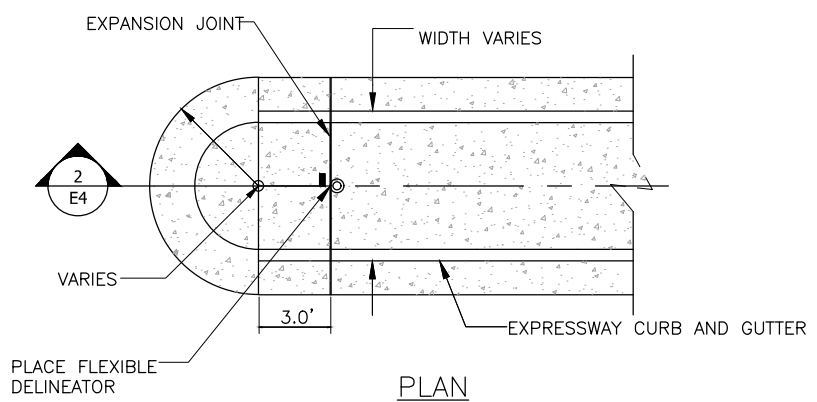


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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E4	E11



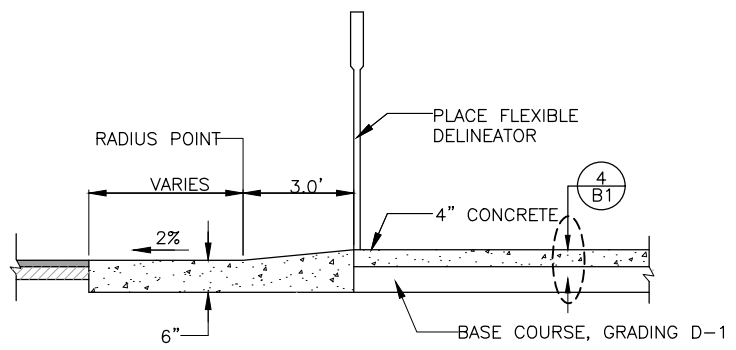
1 CURB RAMP DETAIL
E4 SCALE: NOT TO SCALE



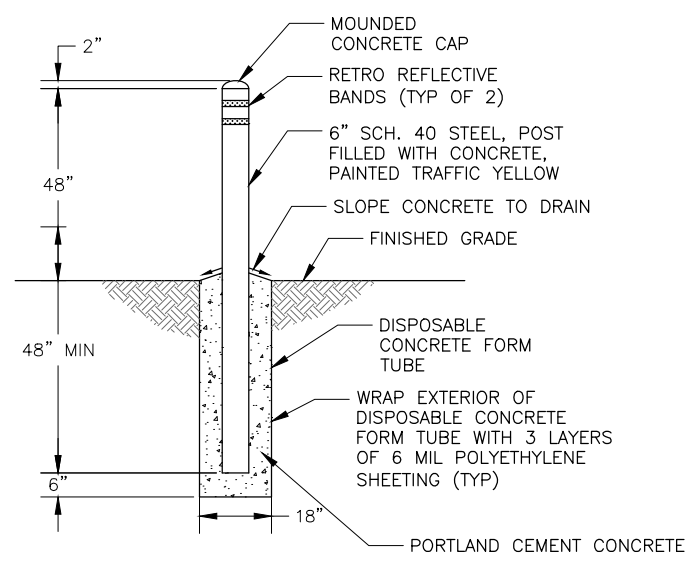
2 ISLAND NOSE DETAIL - PLAN VIEW
E4 SCALE: N.T.S.

NOTES:

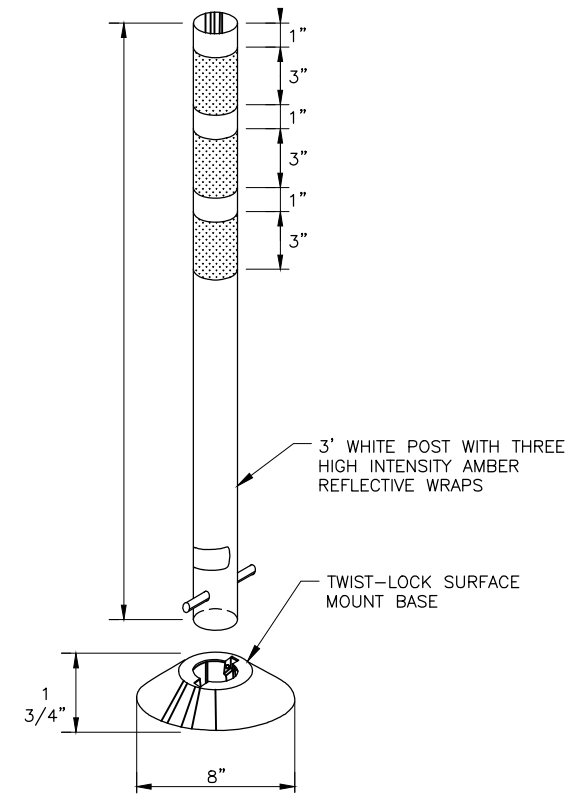
- ISLAND NOSE SHALL BE PAINTED WITH YELLOW REFLECTORIZED PAINT. SHAPING AND PAINTING WILL BE SUBSIDIARY.
- MONOLITHIC POUR.
- INSTALL ISLAND NOSE PER SEC 609, SUBSIDIARY TO 609(2)



3 ISLAND NOSE DETAIL - SECTION
E4 SCALE: N.T.S.



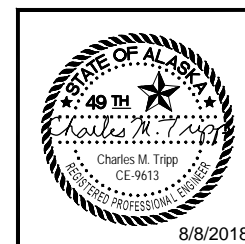
4 BOLLARD DETAIL
E4 SCALE: NOT TO SCALE



5 TYPE-A FLEXIBLE DELINEATOR
E4 SCALE: NOT TO SCALE

TYPE A FLEXIBLE DELINEATOR NOTES:

- DELINEATORS SHALL BE INSTALLED AT LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
- DELINEATORS SHALL BE WHITE IN COLOR. DELINEATORS INSTALLED ON OUTSIDE SHOULDERS SHALL HAVE WHITE REFLECTIVE SHEETING. DELINEATORS INSTALLED ON MEDIAN SHOULDERS SHALL HAVE YELLOW REFLECTIVE SHEETING.



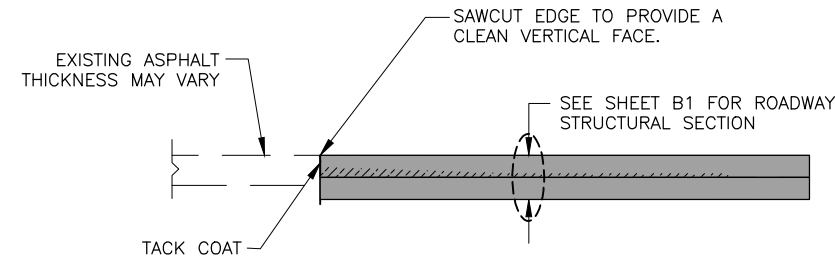
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EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

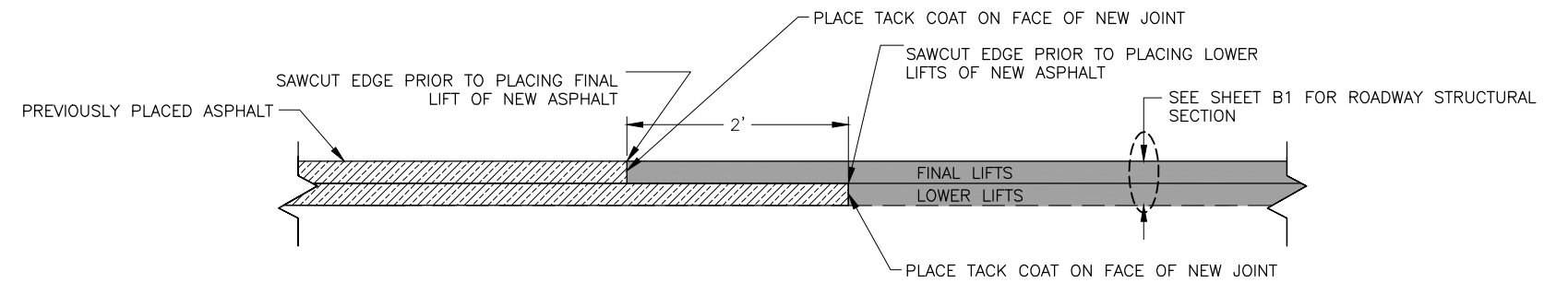
MISCELLANEOUS DETAILS

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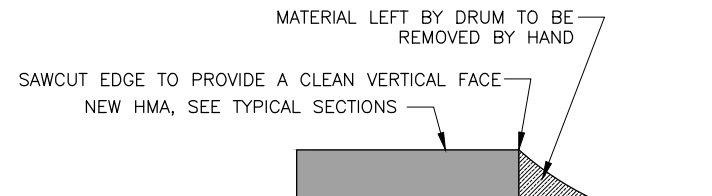
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E5	E11



1 MATCH EXISTING PAVEMENT JOINT DETAIL
E5 SCALE:NOT TO SCALE

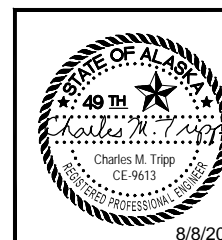


3 PAVEMENT JOINT DETAIL
E5 SCALE:NOT TO SCALE



2 EGAN DRIVE END OF PAVING SHIFT PAVEMENT EDGE DETAIL
E5 SCALE:NOT TO SCALE

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 DRAFTED NG,RG



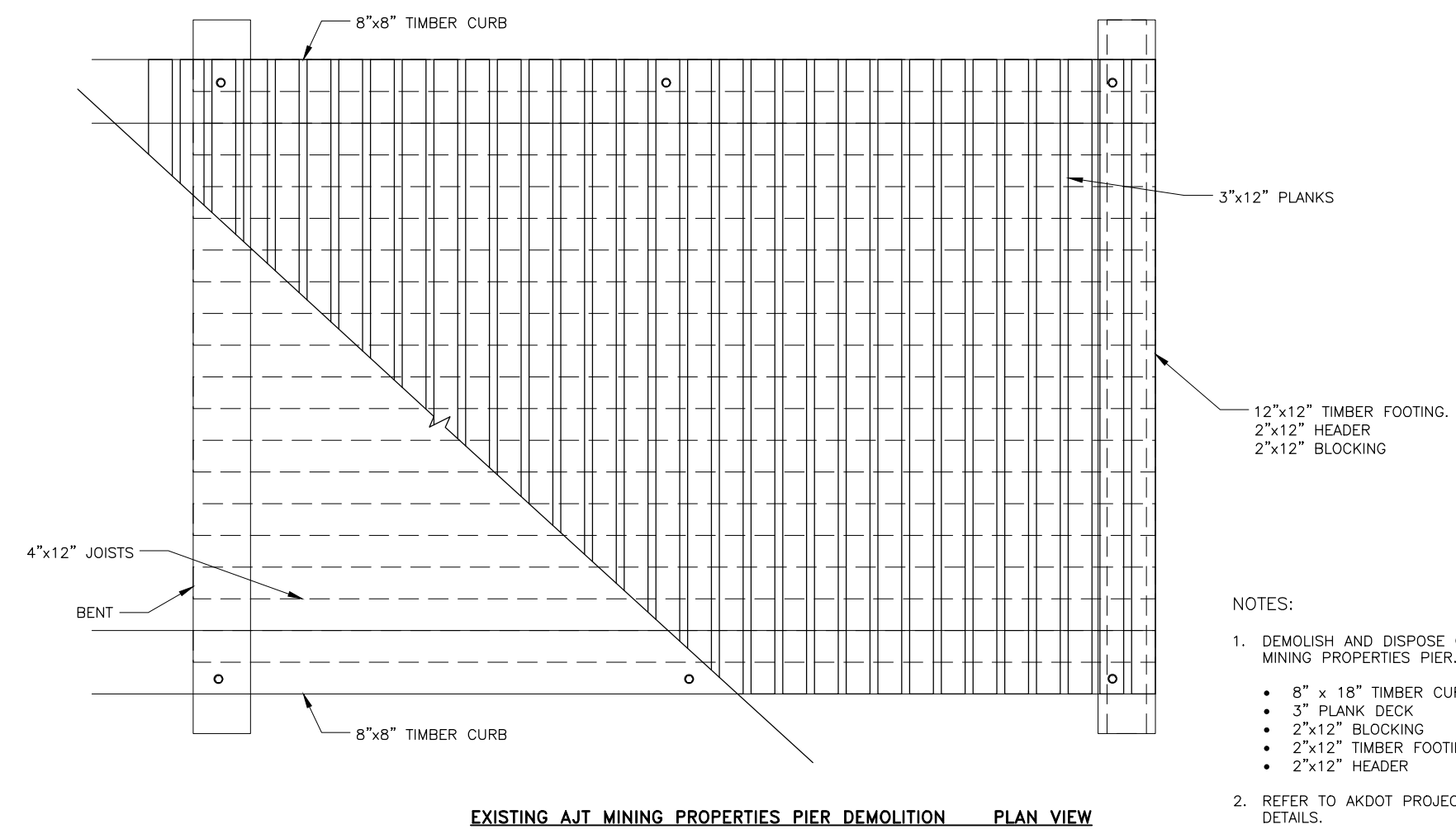
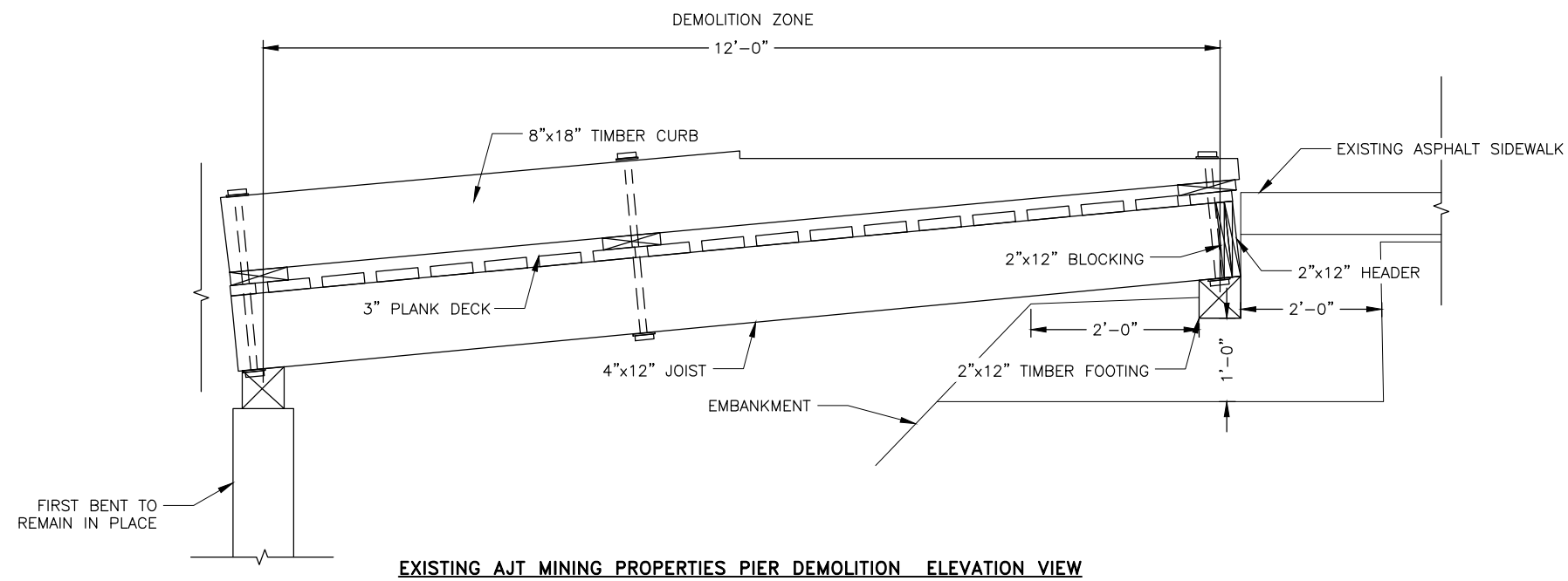
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION
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6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

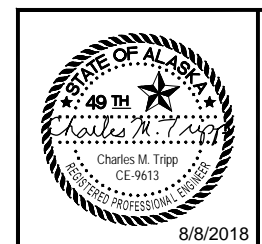
MISCELLANEOUS DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E6	E11

FILE G:\nu\69393\Plm\et\69393_E1-E6_MiscDetails.dwg
 DATE 8/7/2018 10:15 LAYOUT E6
 DESIGNED NG,DP
 CHECKED CT
 DRAFTED NG,RG



- NOTES:
- DEMOLISH AND DISPOSE OF APPROXIMATELY 12 FEET OF EXISTING AJT MINING PROPERTIES PIER. ITEMS TO BE DISPOSED OF INCLUDE:
 - 8" x 18" TIMBER CURB
 - 3" PLANK DECK
 - 2"x12" BLOCKING
 - 2"x12" TIMBER FOOTING
 - 2"x12" HEADER
 - REFER TO AKDOT PROJECT F-093-1(3) FOR ORIGINAL DESIGN DETAILS.

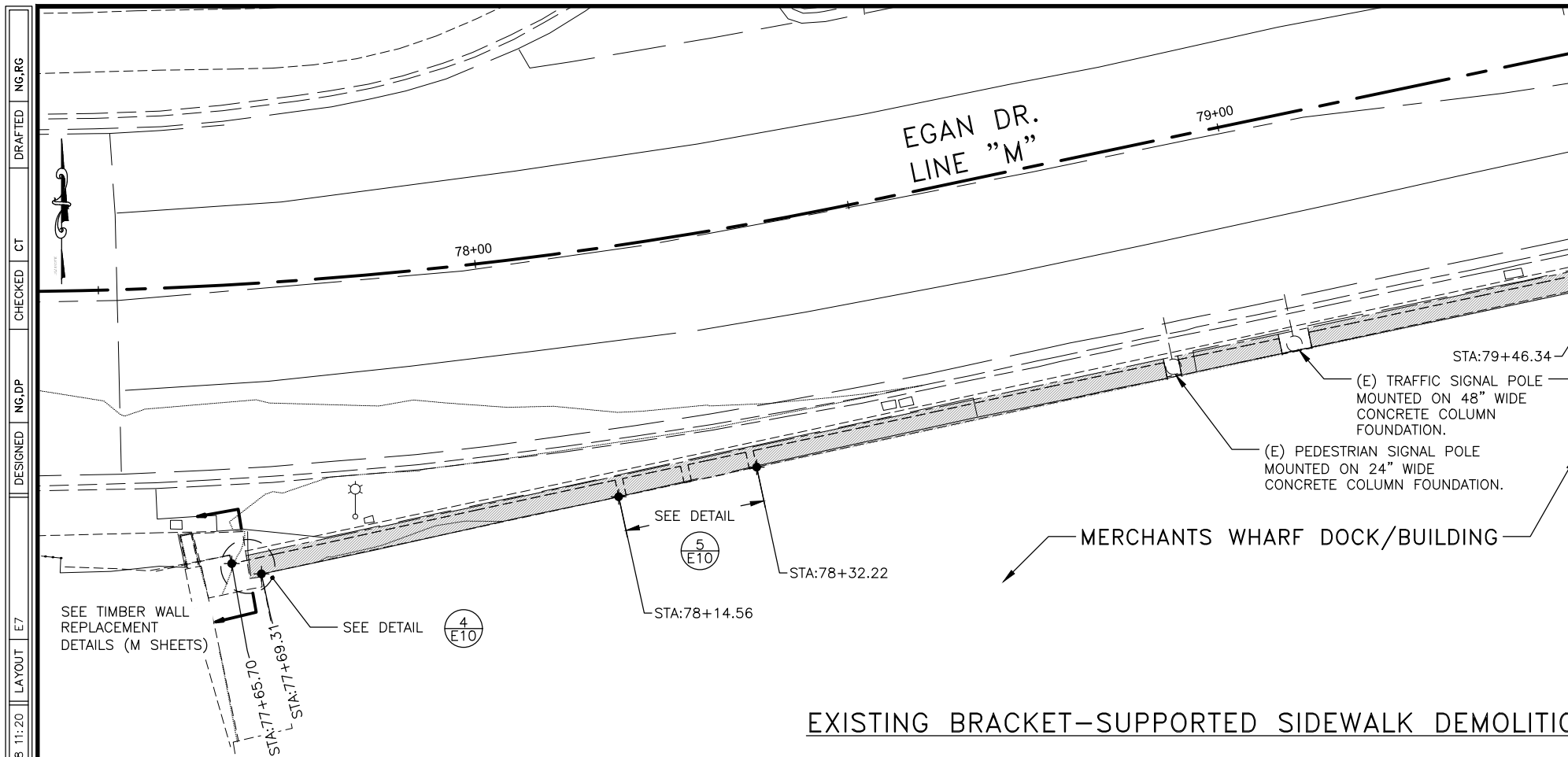


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 (907) 465-1763

**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**

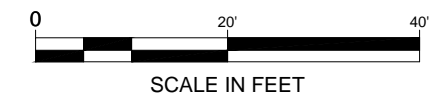
MISCELLANEOUS DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E7	E11

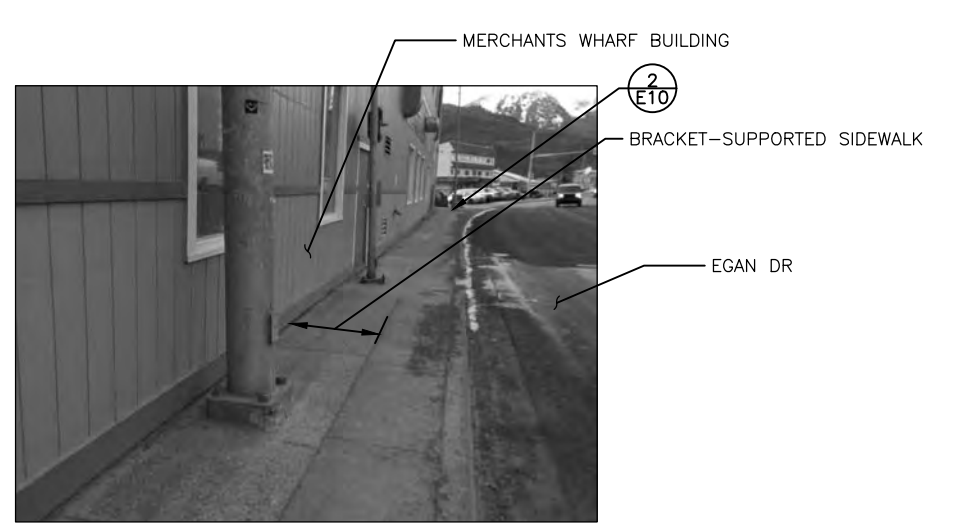
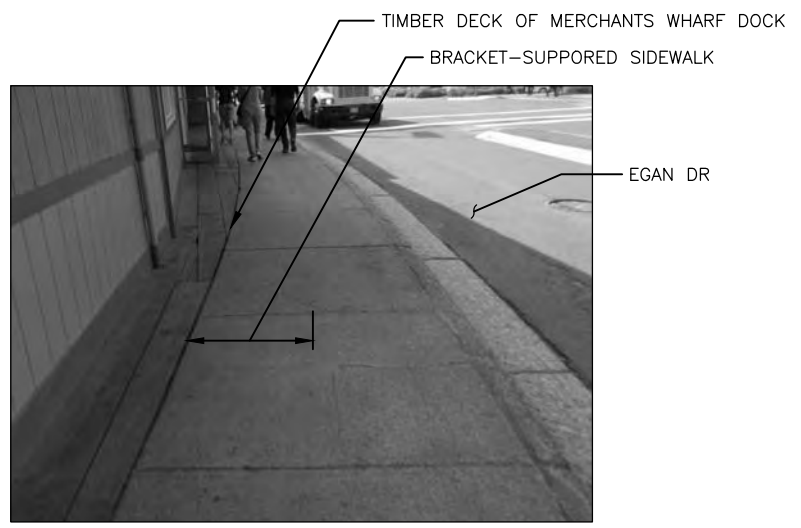
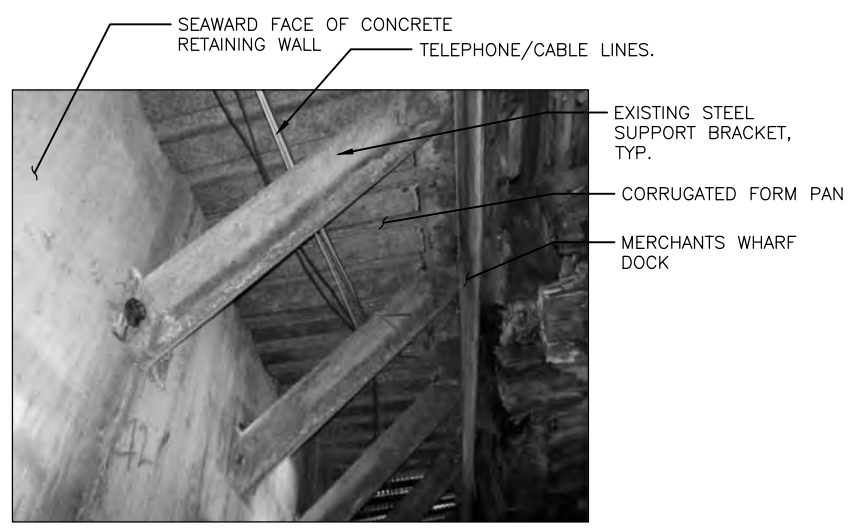


LEGEND:
 AREA OF BRACKET-SUPPORTED SIDEWALK TO BE DEMOLISHED.

LINE "M" STATION ID	DESCRIPTION
STA. 77+65.70	WEST END OF EXISTING CONCRETE RETAINING WALL
STA. 77+69.31	WEST CORNER OF MERCHANTS WHARF BUILDING
STA. 79+46.34	CORNER OF MERCHANTS WHARF BUILDING
STA. 80+36.37	EAST CORNER OF MERCHANTS WHARF BUILDING
STA. 80+41.10	EAST END OF EXISTING CONCRETE RETAINING WALL



EXISTING BRACKET-SUPPORTED SIDEWALK DEMOLITION PLAN

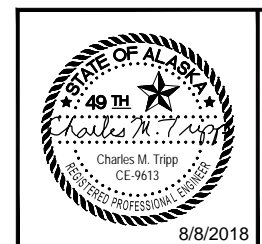


1 PHOTO: EXISTING BRACKET-SUPPORTED SIDEWALK
 SCALE: NOT TO SCALE

2 PHOTO: EAST END OF EXISTING SIDEWALK
 SCALE: NOT TO SCALE

3 PHOTO: WEST END OF EXISTING SIDEWALK
 SCALE: NOT TO SCALE

- NOTES:
- DEMOLISH AND DISPOSE OF APPROX. 275 LINEAR FEET OF CONCRETE SIDEWALK, CORRUGATED FORM PAN AND ASSOCIATED STEEL SUPPORT BRACKETS AND ANGLES. EXISTING STEEL BRACKETS SHALL BE REMOVED IN THEIR ENTIRETY, EXCEPT WHERE A STEEL TIE-BACK RUNNING FROM THE TIMBER DOCK IS ATTACHED TO AN EXISTING ANCHOR BOLT. IN THOSE LOCATIONS THE TIE-BACK SHALL REMAIN UNTOUCHED AND THE CONTRACTOR SHALL LEAVE BOTTOM OF BRACKET INTACT, ONLY REMOVING PORTION ABOVE DASHED LINE SHOWN IN DETAIL 3 ON SHEET E10. ALL OTHER EXISTING ANCHOR BOLTS SHALL BE CUT FLUSH WITH SURFACE OF RETAINING WALL AND LEFT IN-PLACE.
 - OWNER OF THE MERCHANTS WHARF SHALL RELOCATE ALL TELEPHONE/CABLE LINES THAT CURRENTLY RUN IN-BETWEEN STEEL BRACKETS TO A LOCATION UNDER THE TIMBER DOCK THAT WILL NOT INTERFERE WITH CONTRACTOR'S SCOPE OF WORK. RELOCATION OF THESE LINES SHALL BE COMPLETED PRIOR TO CONTRACTOR MOBILIZING ON-SITE.
 - REFER TO AKDOT PROJECT F-093-1(3) FOR ORIGINAL DESIGN DETAILS.



STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
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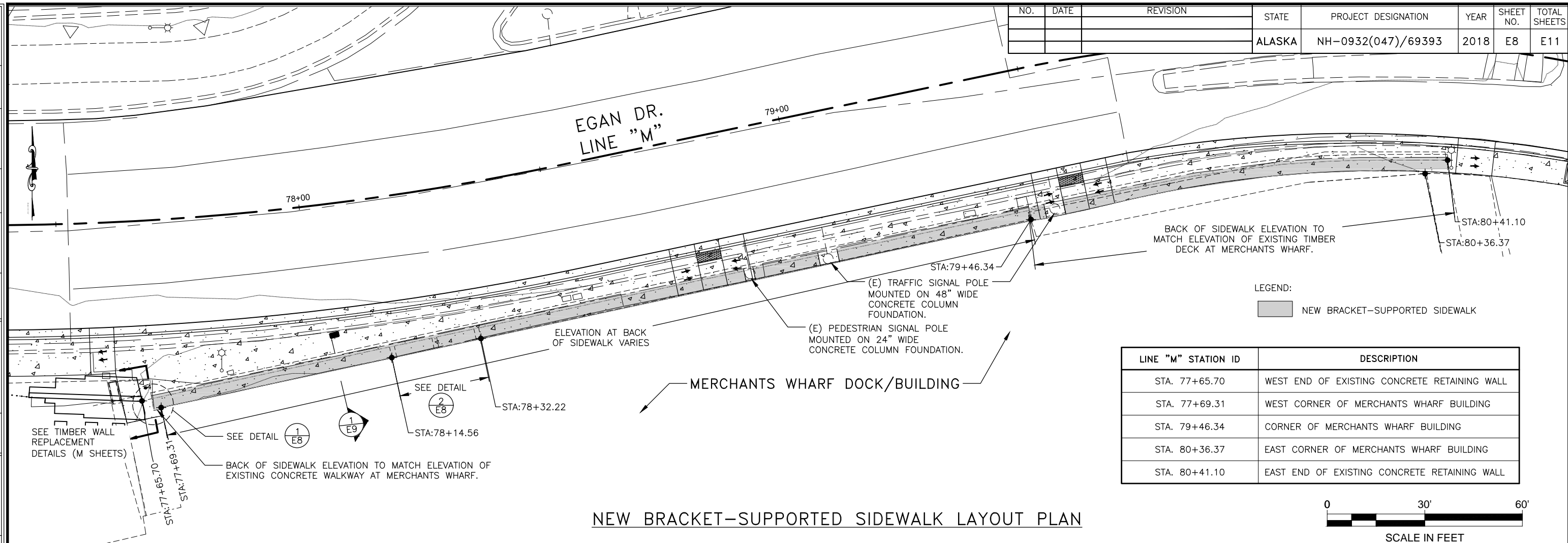
EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST

DEMOLITION PLAN FOR EXISTING BRACKET-SUPPORTED SIDEWALK

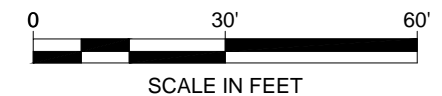
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 DATE 8/8/2018 11:20 LAYOUT E7 DESIGNED NG,DP CHECKED CT DRAFTED NG,RG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E8	E11

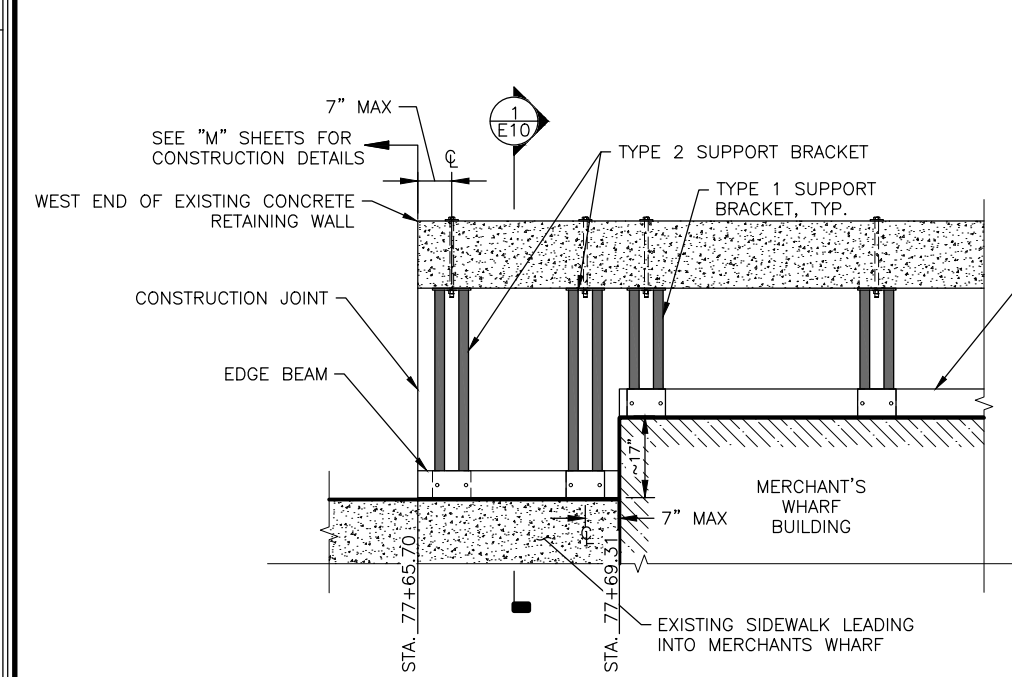
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 DATE 8/8/2018 11:20 LAYOUT E8 DESIGNED NG, DP CHECKED CT DRAFTED NG, RG



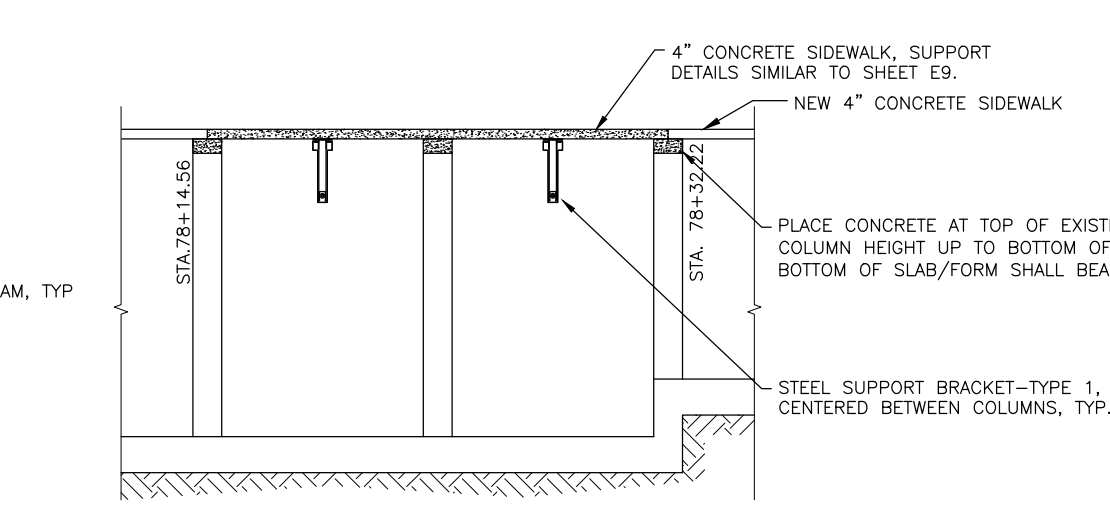
LINE "M" STATION ID	DESCRIPTION
STA. 77+65.70	WEST END OF EXISTING CONCRETE RETAINING WALL
STA. 77+69.31	WEST CORNER OF MERCHANTS WHARF BUILDING
STA. 79+46.34	CORNER OF MERCHANTS WHARF BUILDING
STA. 80+36.37	EAST CORNER OF MERCHANTS WHARF BUILDING
STA. 80+41.10	EAST END OF EXISTING CONCRETE RETAINING WALL



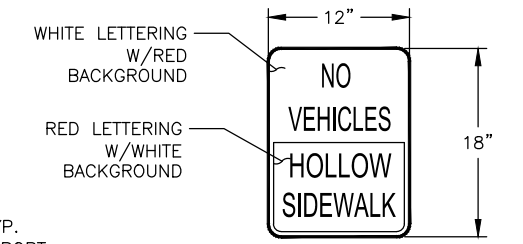
NEW BRACKET-SUPPORTED SIDEWALK LAYOUT PLAN



1 TYPE 2 BRACKET LOCATION - PLAN
 SCALE: NOT TO SCALE
 NOTE: CONCRETE SIDEWALK ABOVE MOUNTING BRACKETS NOT SHOWN FOR CLARITY.



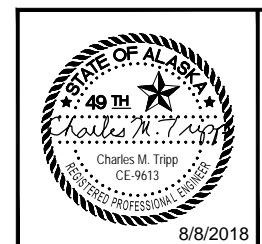
2 10" SLAB MODIFICATION DETAILS - ELEVATION
 SCALE: NOT TO SCALE



3 CUSTOM SIGN
 NTS (4 TOTAL)

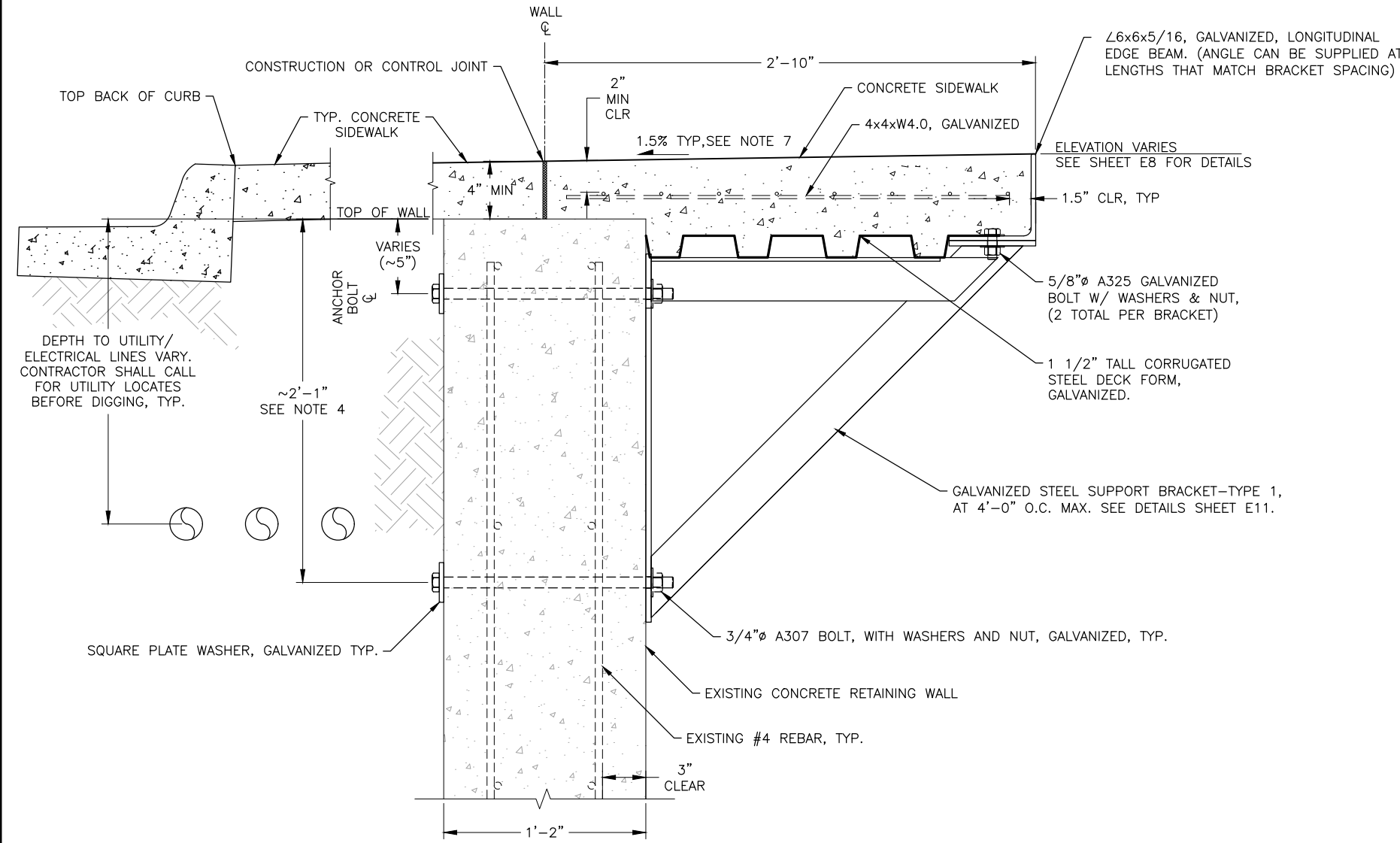
NOTE:
 1. SIGNS SHALL BE FASTENED TO THE MERCHANTS WHARF BUILDING APPROX. 4' ABOVE WALKING SURFACE, AND SPACED EVENLY ALONG LENGTH OF BRACKET-SUPPORTED SIDEWALK.

NOTE:
 1. CONTRACTOR SHALL INTEGRATE NEW CONCRETE AT THE TOP OF COLUMNS INTO THE EXISTING CONCRETE BY SALVAGING THE REBAR IN THE DEMOLITION AREA, OR CONTRACTOR CAN SUBMIT ALTERNATIVE PLAN TO PROVIDE NEW REBAR THAT WILL BOND THE NEW AND THE OLD TOGETHER.



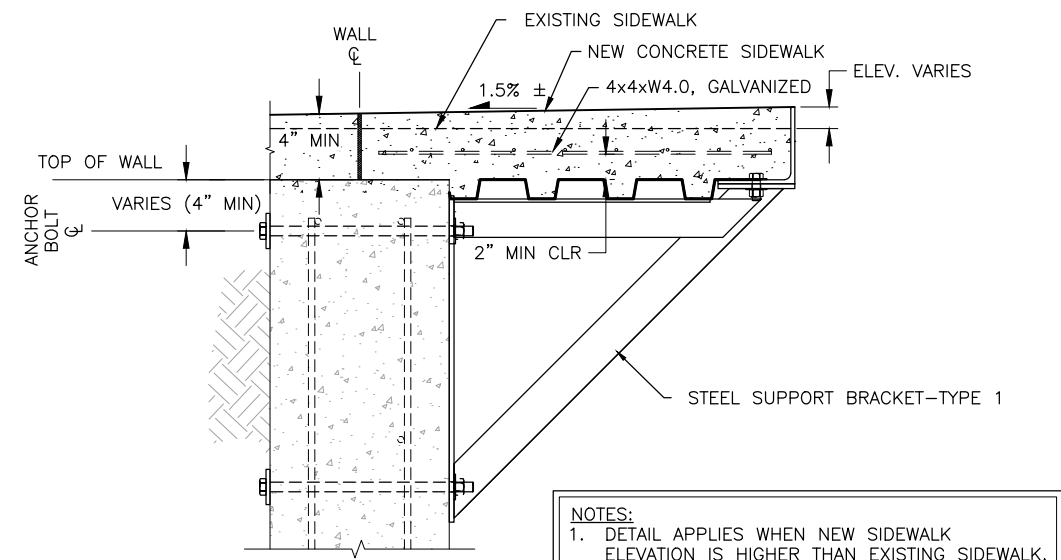
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
 (907) 465-1763
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 LAYOUT PLAN FOR NEW
 BRACKET-SUPPORTED SIDEWALK

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E9	E11

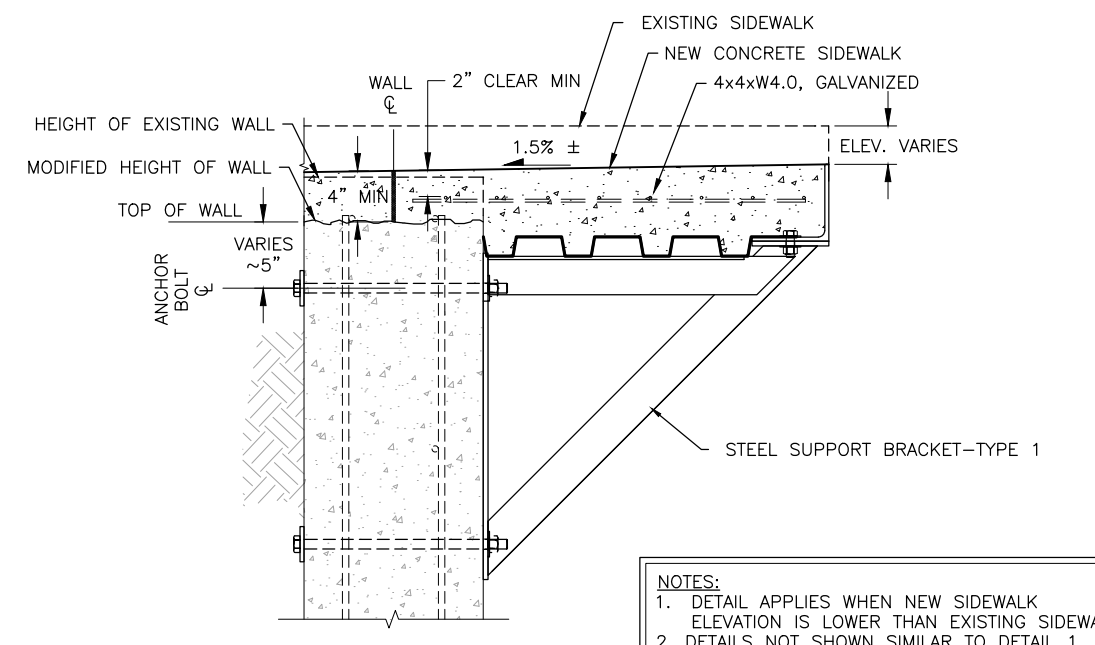


1
E9
TYPICAL SIDEWALK SUPPORT BRACKET - TYPE 1
SCALE: NOT TO SCALE

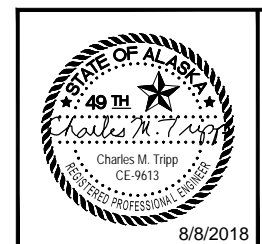
- NOTES:**
1. LOCATION OF THE NEW SUPPORT BRACKETS SHALL BE LAID-OUT BY THE CONTRACTOR AND APPROVED BY THE PROJECT ENGINEER PRIOR TO FINAL INSTALLATION TO VERIFY ALL REQUIREMENTS SHOWN IN THE DRAWING DETAILS ARE MET.
 2. NEW BRACKETS SHALL BE POSITIONED OFF TO ONE SIDE OF EXISTING BRACKETS TO ENSURE NEW BOLT LOCATIONS DO NOT INTERFERE WITH EXISTING HOLES. NEW HOLES SHALL BE DRILLED A MINIMUM OF 4" FROM ANY EXISTING BOLTS.
 3. ALL NEW BOLTS SHALL BE PLACED A MINIMUM OF 4" FROM ANY EDGE OF CONCRETE.
 4. THRU-BOLT AT BOTTOM OF BRACKET MAY BE RELOCATED VERTICALLY ALONG 3/8" t BACKING PLATE TO CLEAR UTILITIES. IF BOLT IS RELOCATED, A MINIMUM DISTANCE OF 12" & 24" SHALL BE MAINTAINED BETWEEN TOP AND BOTTOM BOLTS OF THE TYPE 1 & TYPE 2 BRACKETS, RESPECTIVELY. THE CONTRACTOR MAY ALSO UTILIZE EPOXY ANCHORS IN LIEU OF THRU-BOLTS FOR THE BOTTOM BOLTS. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR ALL REQUIREMENTS IF EPOXY ANCHORS ARE UTILIZED.
 5. CORRUGATED STEEL DECK FORM SHALL BE CAPABLE OF WITHSTANDING CONSTRUCTION LOADS AS DEFINED IN THE SPECIFICATIONS. FORM SHALL BE PERMANENTLY LEFT IN PLACE AND SUPPORTED BY THE HORIZONTAL LEGS OF THE TIE ANGLES AT EACH BRACKET. FORM MAY BE FASTENED TO SUPPORTING ANGLES WITH BOLTS. SEAL GAPS BETWEEN DECK FORM AND ADJACENT COMPONENTS AS NEEDED WITH SILICON AND/OR BACKING ROD TO PREVENT CONCRETE FROM DRIPPING.
 6. BOLT HOLES IN LONGITUDINAL EDGE BEAM MAY BE FIELD-DRILLED. ALL FIELD-DRILLED HOLES IN GALVANIZED STEEL SHALL BE REPAIRED PER SPECIFICATIONS.
 7. CROSS-SLOPE OF SIDEWALK MAY VARY TO MATCH BACK OF SIDEWALK ELEVATION REQUIREMENTS WHERE THOSE ELEVATIONS SHALL MATCH UP TO EXISTING STRUCTURES. CROSS-SLOPES ARE PERMITTED TO VARY BETWEEN 0.5%-2% MAX IN THESE AREAS.
 8. CONTROL & CONSTRUCTION JOINT SPACING ALONG LENGTH OF BRACKET-SUPPORTED SIDEWALK SHALL MATCH SPACING OF ADJACENT SIDEWALK.
 9. BRACKET-SUPPORTED SIDEWALK DESIGN LOADS INCLUDE ALL DEAD LOADS AND A UNIFORM (PEDESTRIAN) LIVE LOAD OF 90 PSF.



2
E9
SIDEWALK SUPPORT BRACKET DETAIL
SCALE: NOT TO SCALE



3
E9
SIDEWALK SUPPORT BRACKET DETAIL
SCALE: NOT TO SCALE



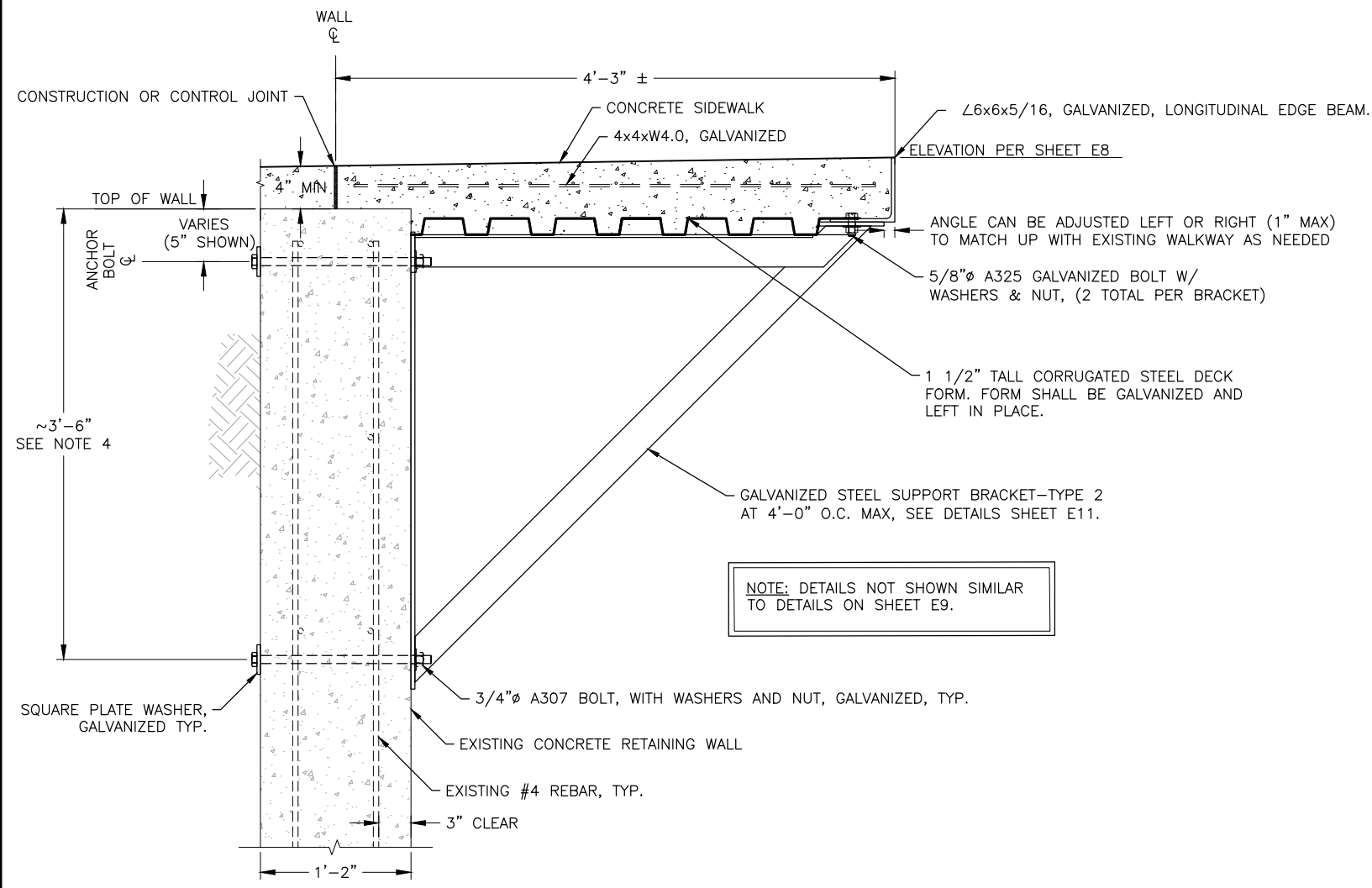
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

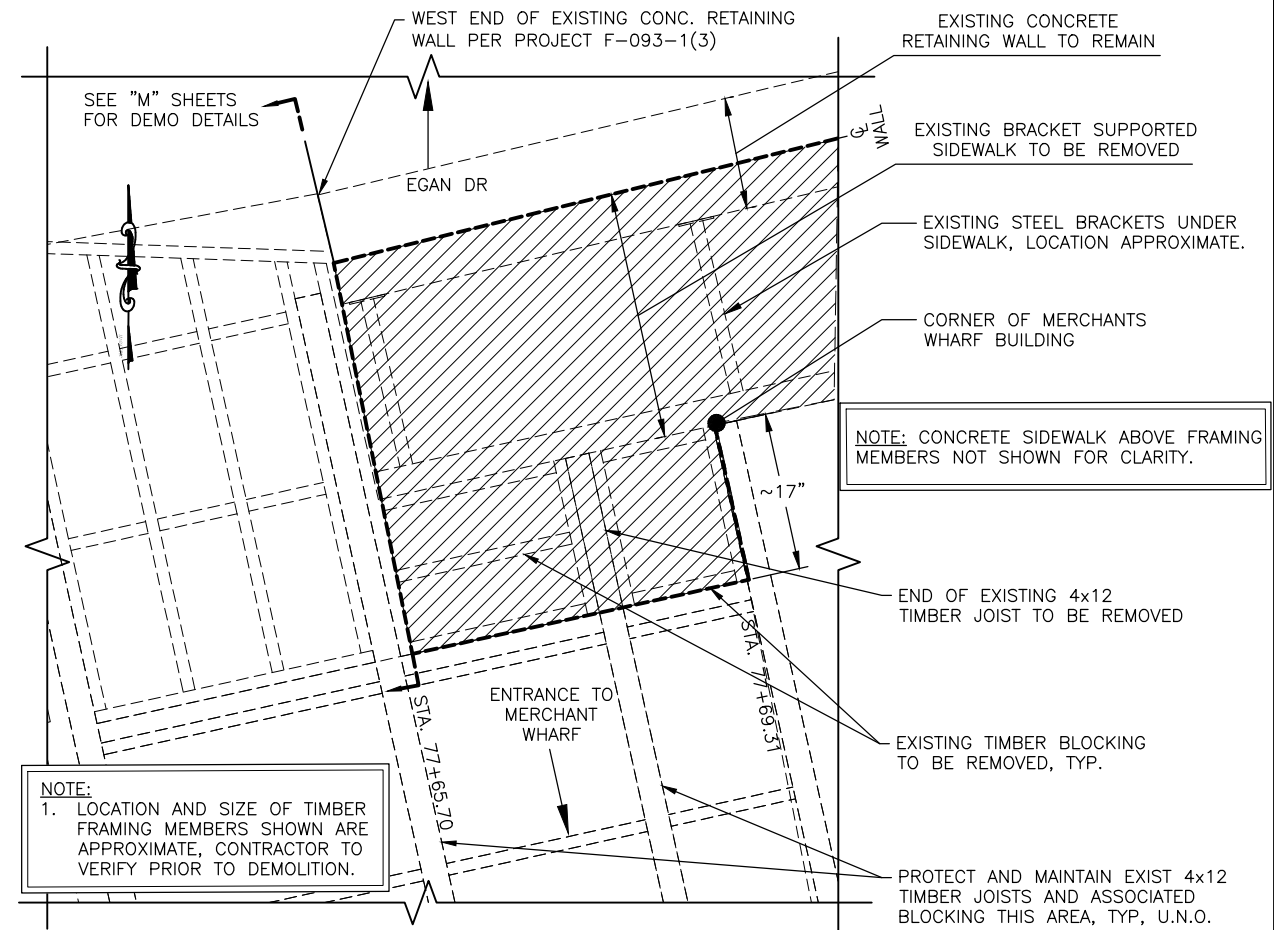
SIDEWALK SUPPORT DETAILS

FILE G:\nu\69393\Plmset\69393_E9-E11_(brackets details).dwg DATE 8/8/2018 11:22 LAYOUT E9 CHECKED CT DRAFTED IN, RG

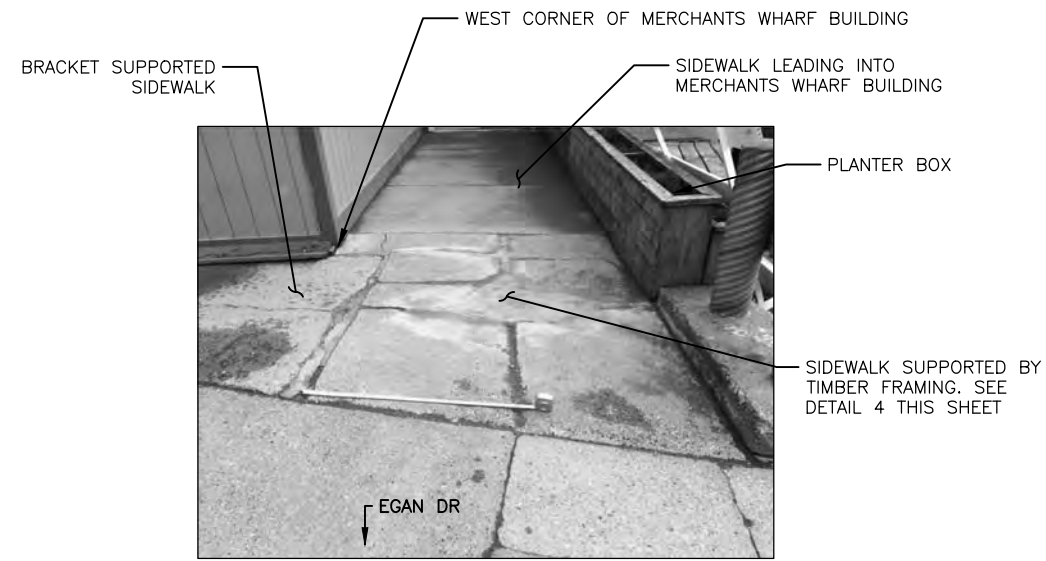
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E10	E11



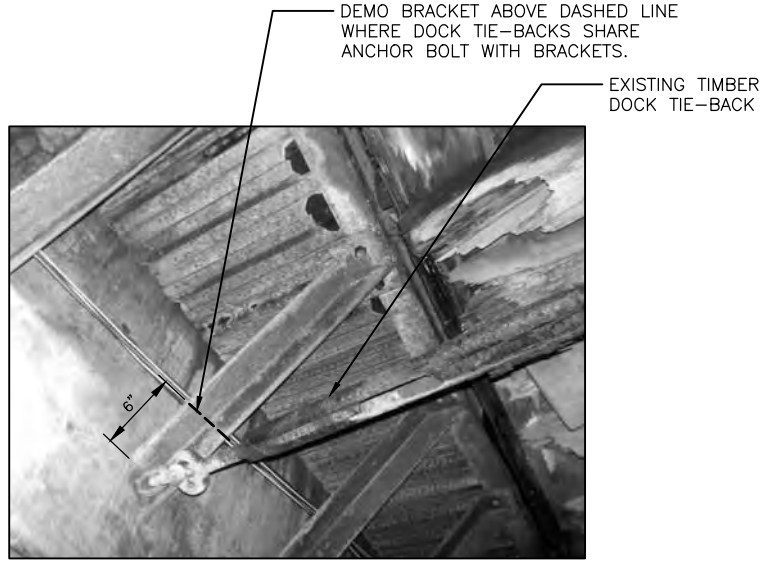
1 SIDEWALK SUPPORT BRACKET - TYPE 2
E10 SCALE: NOT TO SCALE



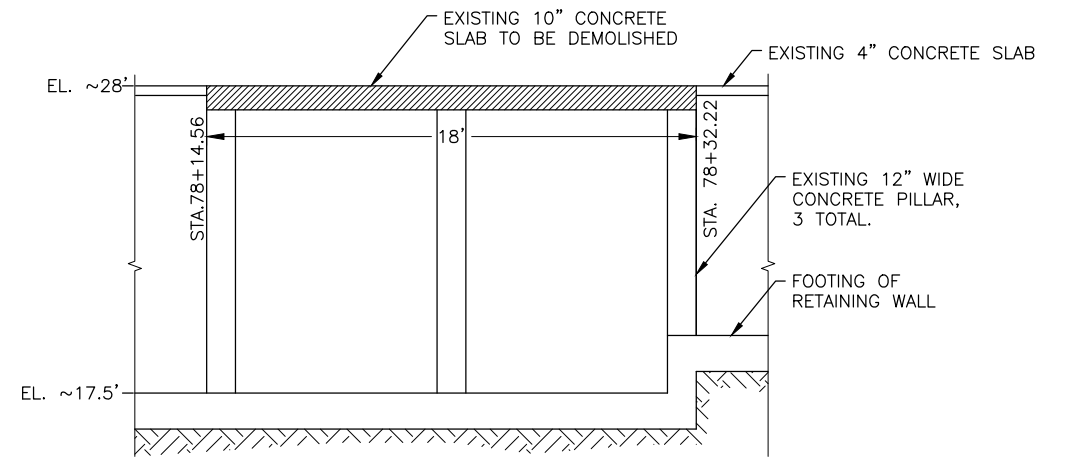
4 WEST END DEMOLITION DETAILS - PLAN
E10 SCALE: NOT TO SCALE



2 PHOTO: EXISTING SIDEWALK AT WEST END OF MERCHANTS WHARF BUILDING
E10 SCALE: NOT TO SCALE



3 PHOTO: DEMO DETAIL AT TIMBER DOCK TIE-BACK LOCATIONS
E10 SCALE: NOT TO SCALE



5 10" SLAB DEMOLITION DETAILS - ELEVATION
E10 SCALE: NOT TO SCALE

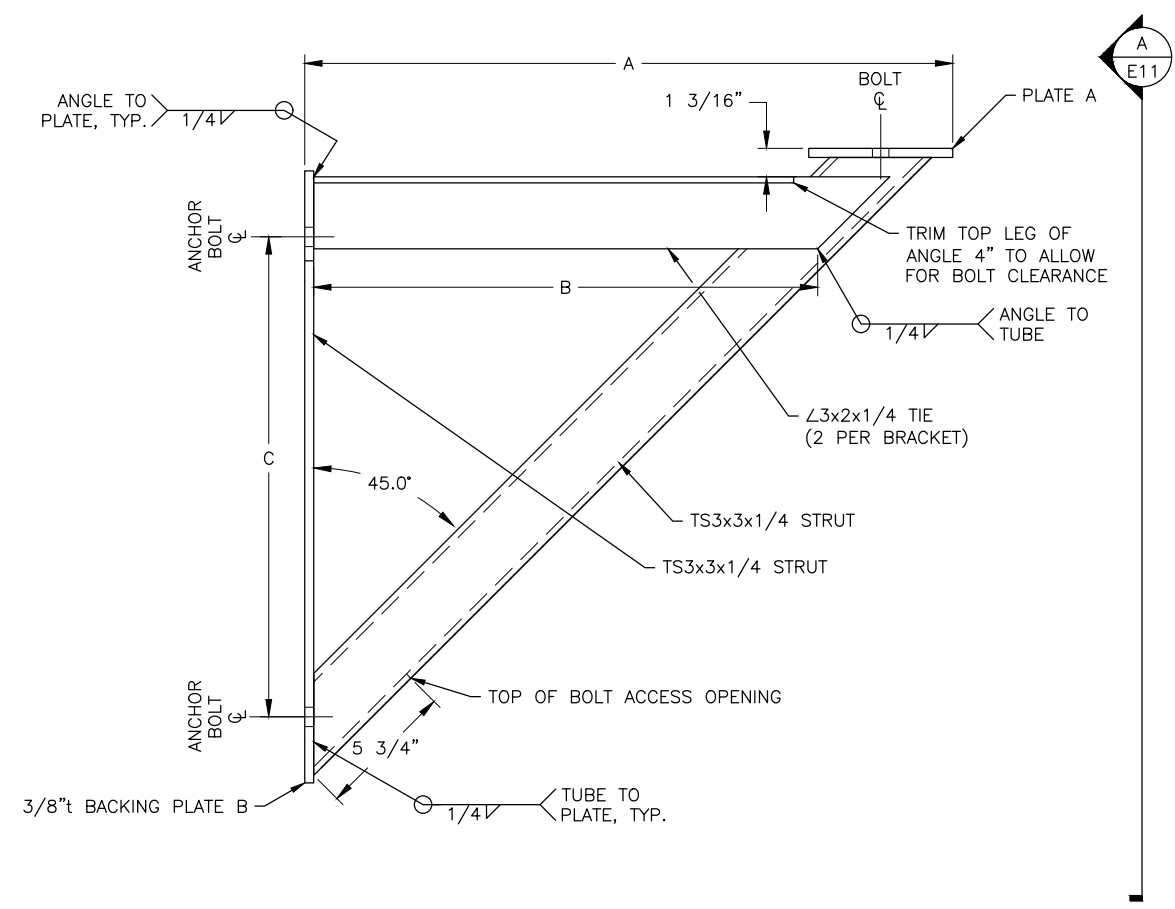


STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
SIDWALK SUPPORT DETAILS

FILE G:\nu\69393\Plmset\69393_E9-E11_(brackets_details).dwg DATE 8/8/2018 11:22 LAYOUT E10 DESIGNED NG,DP CHECKED CT DRAFTED NG,RG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	E11	E11

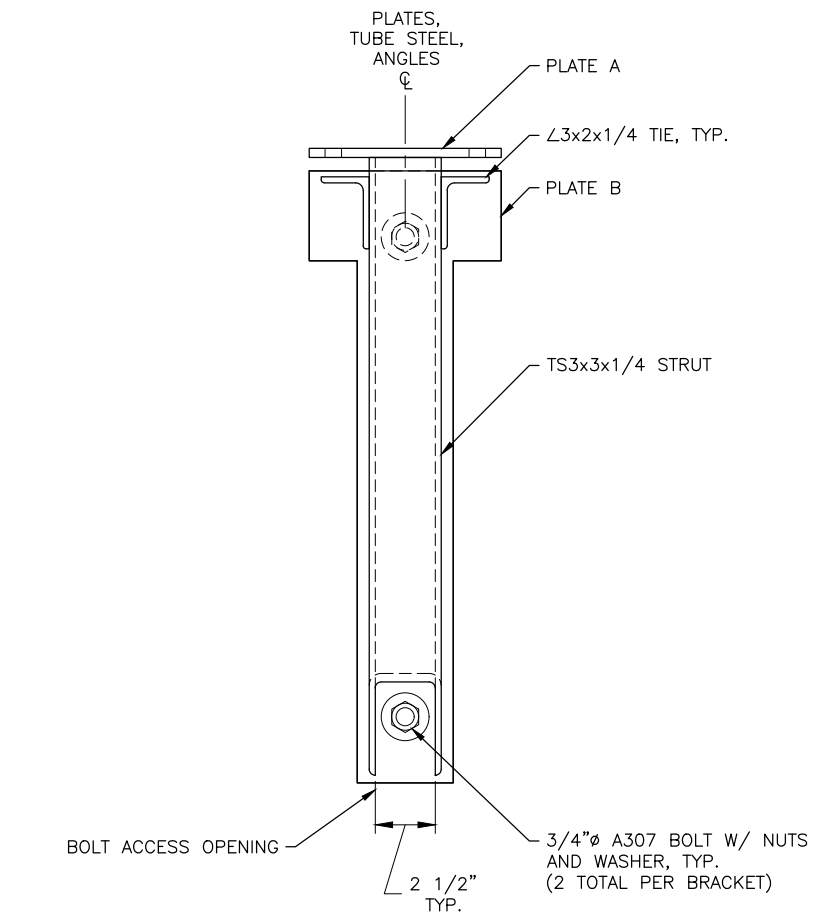
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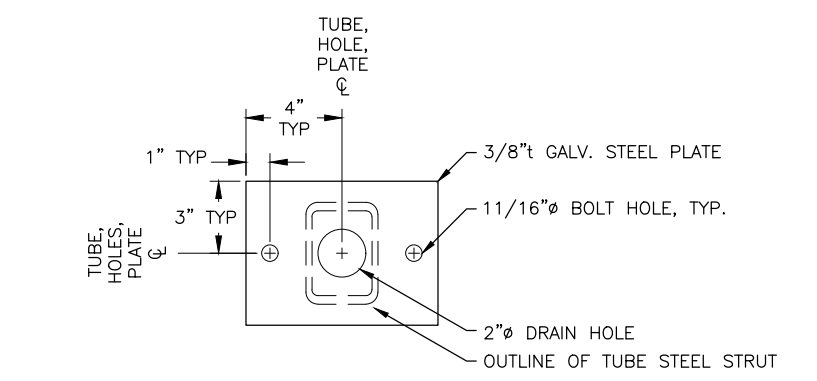
1 STEEL SUPPORT BRACKET - SIDE ELEVATION
SCALE: NOT TO SCALE

BRACKET	A	B	C	QTY
TYPE 1	2'-3"	1'-9"	1'-8"	*105
TYPE 2	*3'-8"	*3'-2"	*3'-1"	2

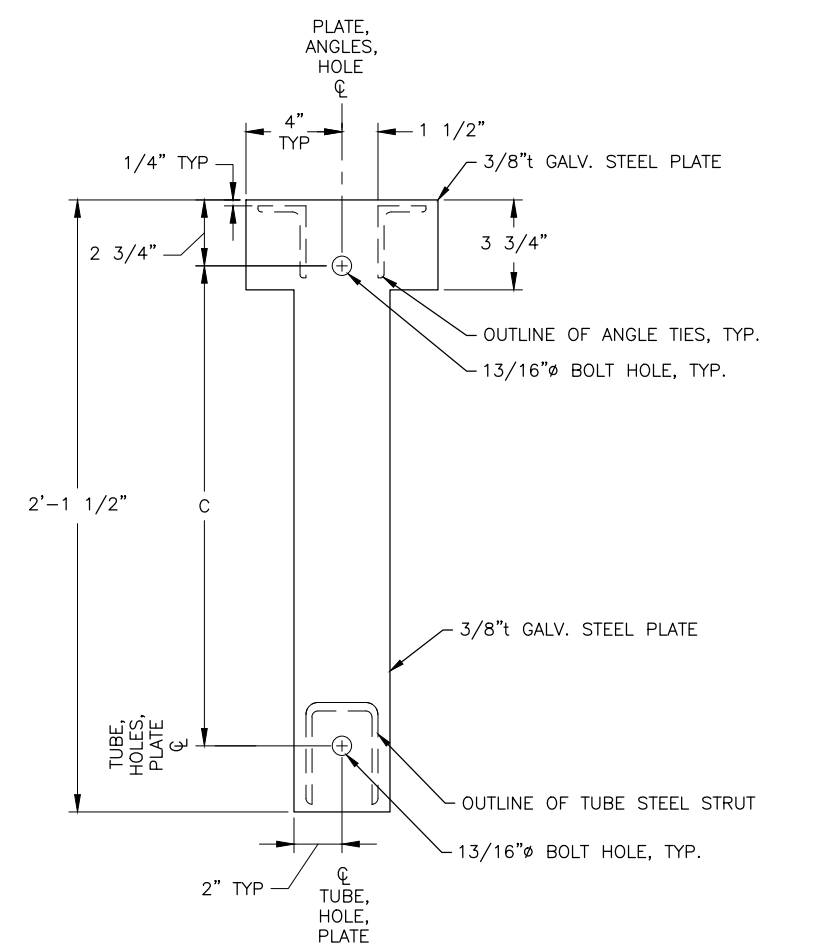
* CONTRACTOR TO VERIFY PRIOR TO FABRICATION



A STEEL SUPPORT BRACKET- FRONT ELEVATION
SCALE: NOT TO SCALE

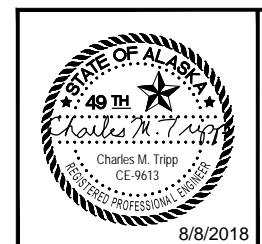


2 PLATE A
SCALE: NOT TO SCALE



3 PLATE B
SCALE: NOT TO SCALE

NOTE: ALL STEEL COMPONENTS & HARDWARE SHALL BE HOT-DIPPED GALVANIZED.



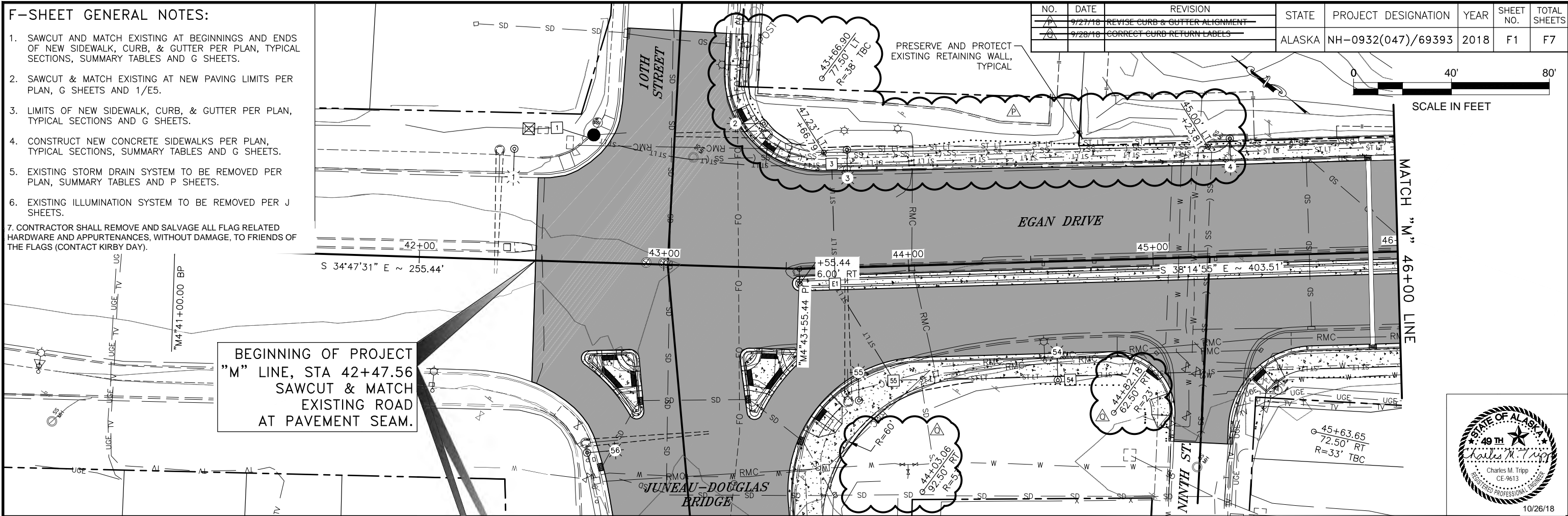
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 6860 GLACIER HIGHWAY, JUNEAU, AK 99811
 (907) 465-1763
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 SIDEWALK SUPPORT DETAILS

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE G:\nu\69393\Plmset\69393_F1-F7_Pln-Pro (M4) W Super.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 10/1/2018 9:55 LAYOUT F1
 PHONE (907) 465-1763 DESIGNED NG,DP
 CHECKED CT
 DRAFTED NG,RC
 CERTIFICATE OF AUTH #

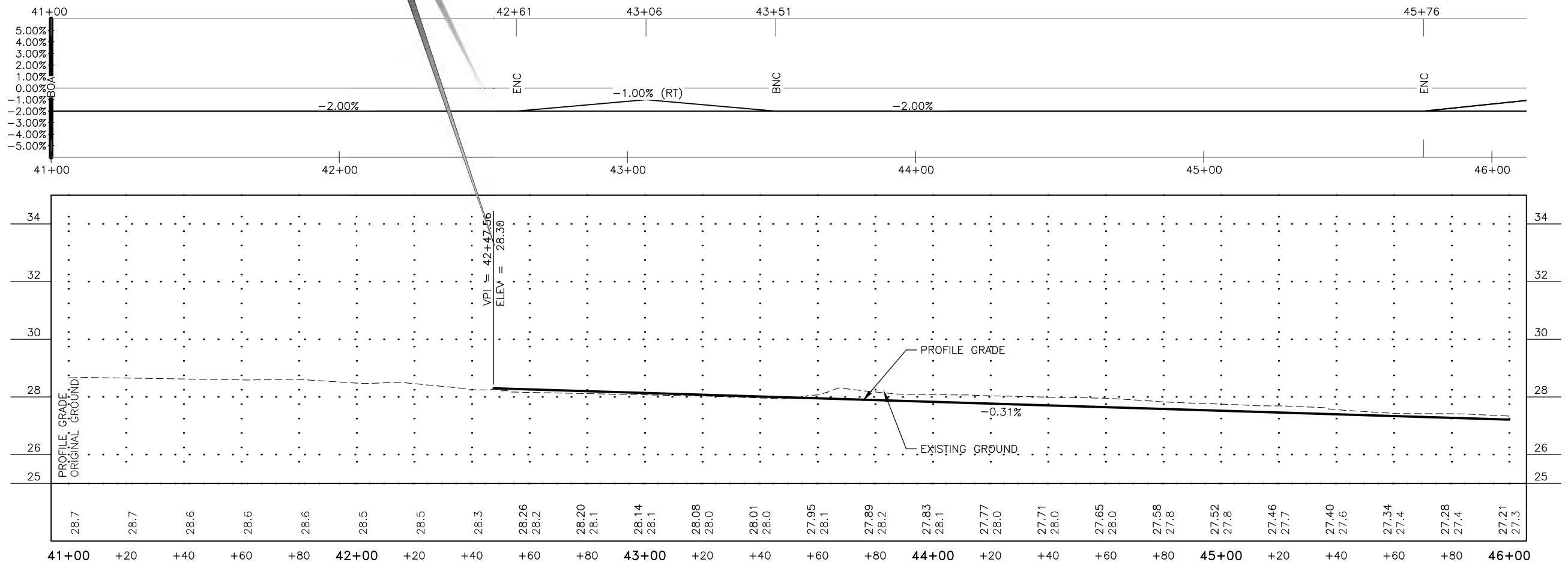
F-SHEET GENERAL NOTES:

- SAWCUT AND MATCH EXISTING AT BEGINNINGS AND ENDS OF NEW SIDEWALK, CURB, & GUTTER PER PLAN, TYPICAL SECTIONS, SUMMARY TABLES AND G SHEETS.
- SAWCUT & MATCH EXISTING AT NEW PAVING LIMITS PER PLAN, G SHEETS AND 1/E5.
- LIMITS OF NEW SIDEWALK, CURB, & GUTTER PER PLAN, TYPICAL SECTIONS AND G SHEETS.
- CONSTRUCT NEW CONCRETE SIDEWALKS PER PLAN, TYPICAL SECTIONS, SUMMARY TABLES AND G SHEETS.
- EXISTING STORM DRAIN SYSTEM TO BE REMOVED PER PLAN, SUMMARY TABLES AND P SHEETS.
- EXISTING ILLUMINATION SYSTEM TO BE REMOVED PER J SHEETS.
- CONTRACTOR SHALL REMOVE AND SALVAGE ALL FLAG RELATED HARDWARE AND APPURTENANCES, WITHOUT DAMAGE, TO FRIENDS OF THE FLAGS (CONTACT KIRBY DAY).

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	9/27/18	REVISE CURB & GUTTER ALIGNMENT	ALASKA	NH-0932(047)/69393	2018	F1	F7
2	9/28/18	CORRECT CURB RETURN LABELS					



BEGINNING OF PROJECT
 "M" LINE, STA 42+47.56
 SAWCUT & MATCH
 EXISTING ROAD
 AT PAVEMENT SEAM.



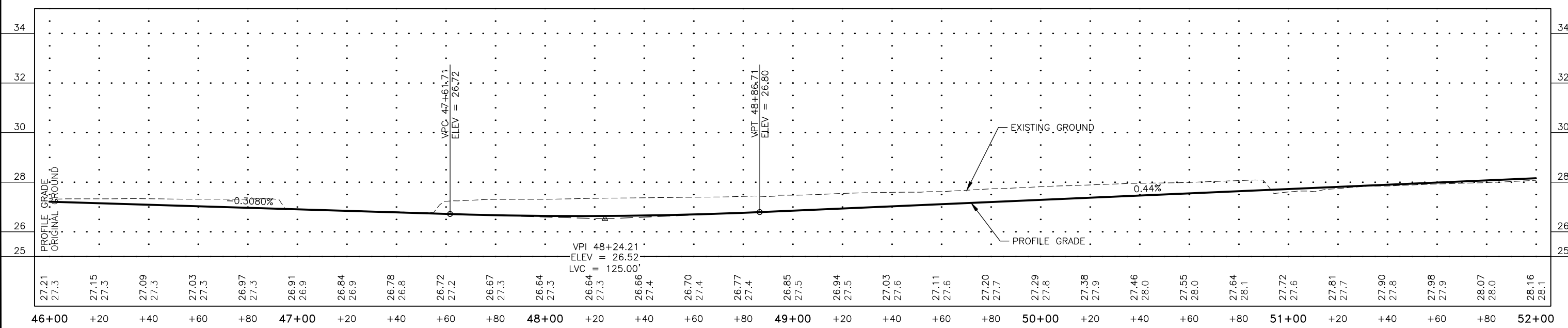
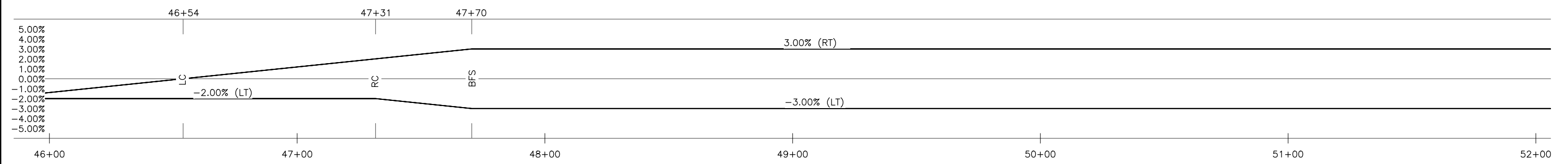
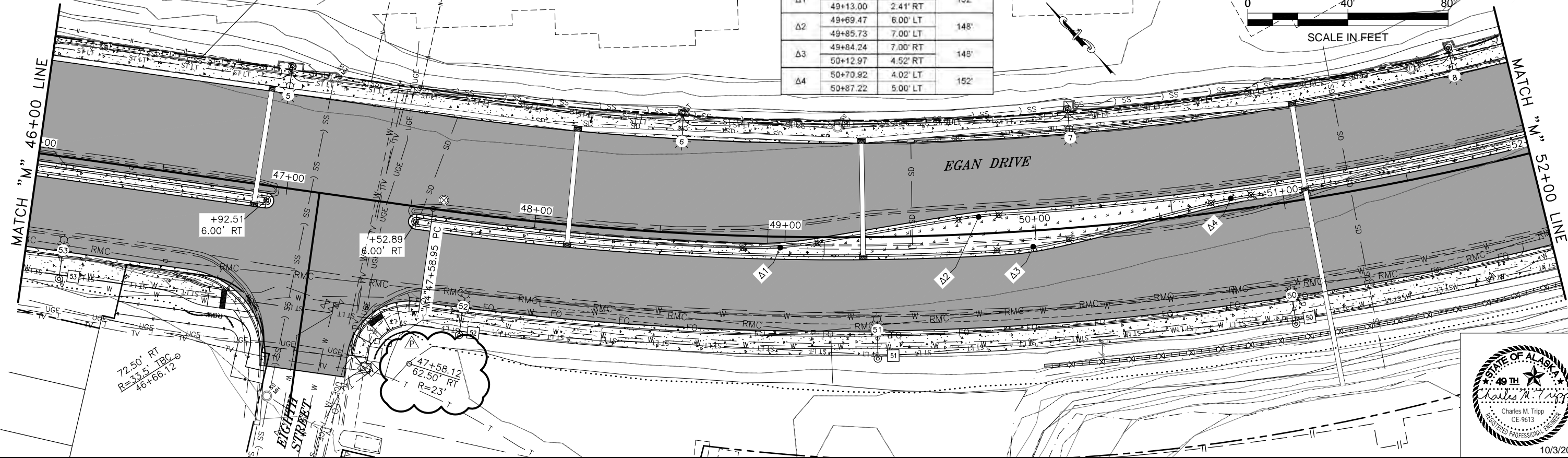
FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
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 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 10/1/2018 9:55 LAYOUT F2
 PHONE (907) 465-1763 DESIGNED NG,DP
 CERTIFICATE OF AUTH #:
 DRAFTED NG,RC
 CHECKED CT
 NG,DP

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	9/20/18	CORRECT CURB RETURN LABELS	ALASKA	NH-0932(047)/69393	2018	F2	F7

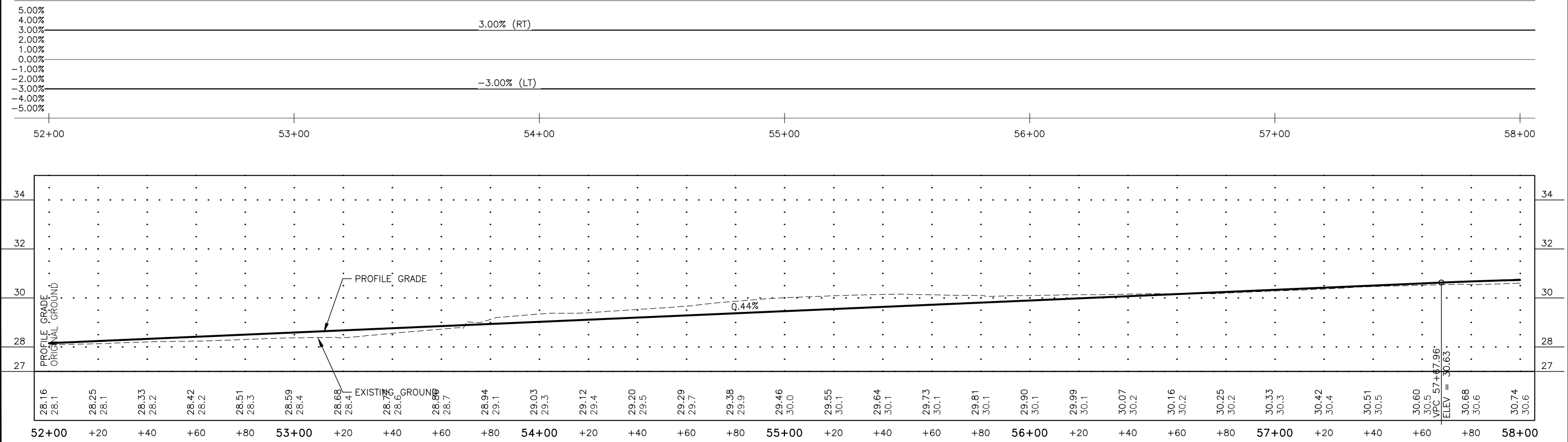
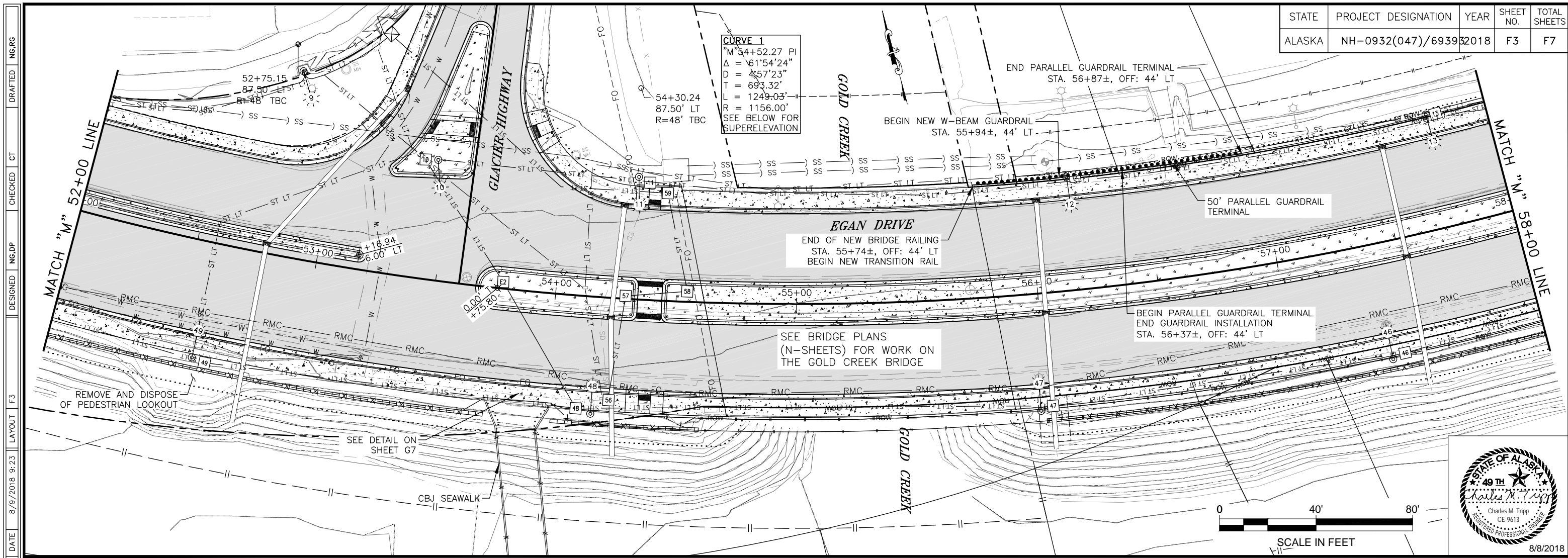
Median Curve Data			
Curve	PC/PT		Radius
	Station	Offset	
Δ1	48+83.12	5.00' RT	152'
	49+13.00	2.41' RT	
Δ2	49+69.47	6.00' LT	148'
	49+85.73	7.00' LT	
Δ3	49+84.24	7.00' RT	148'
	50+12.97	4.52' RT	
Δ4	50+70.92	4.02' LT	152'
	50+87.22	5.00' LT	

MATCH "M" 46+00 LINE

MATCH "N" 52+00 LINE

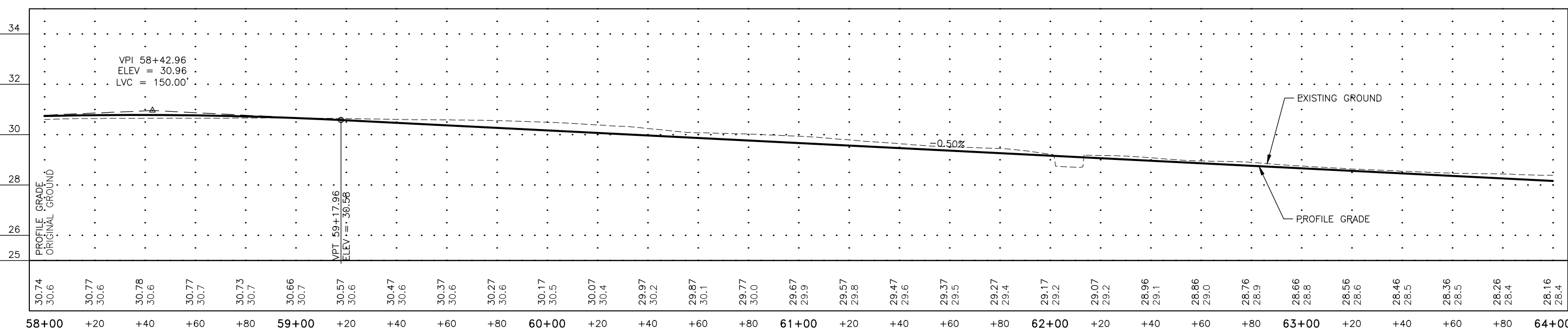
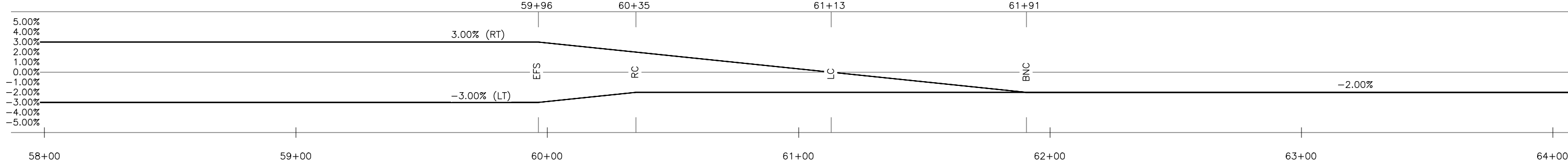
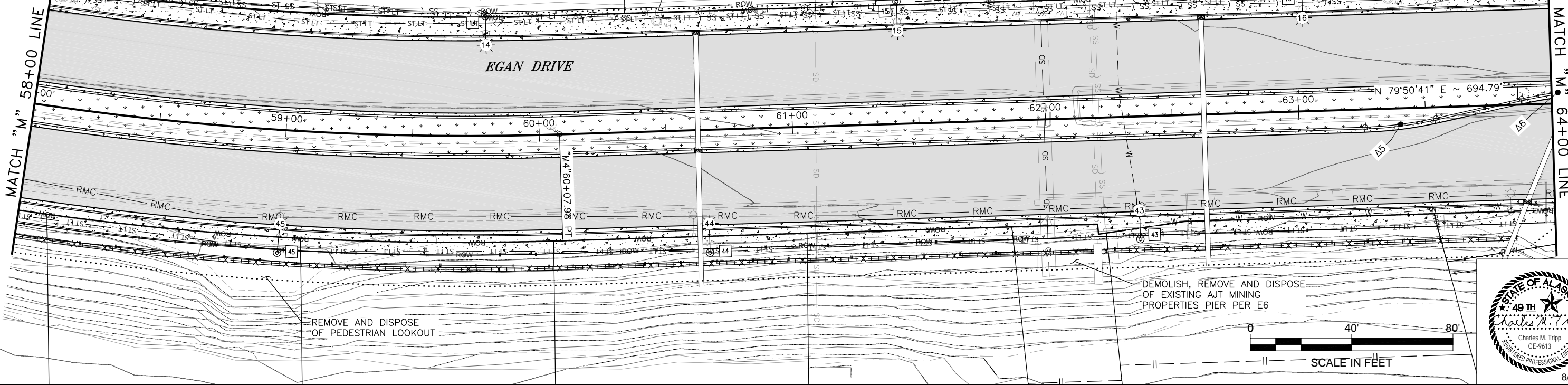


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/6939	2018	F3	F7



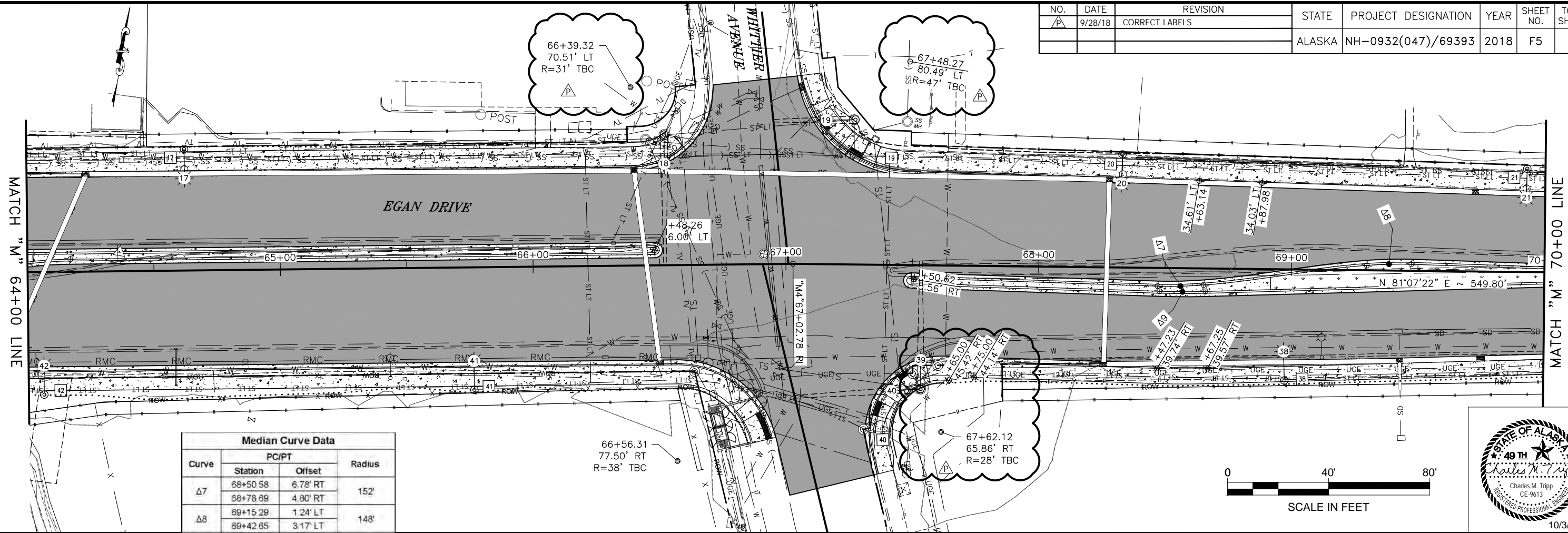
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 DATE 8/9/2018 9:23 LAYOUT F3
 DESIGNED NG,DP
 CHECKED CT
 DRAFTED NG,RG

Median Curve Data			
Curve	PC/PT		Radius
	Station	Offset	
Δ5	63+26.05	7.00' RT	148'
	63+54.07	4.32' RT	
Δ6	63+58.15	2.26' LT	152'
	64+16.94	5.00' LT	

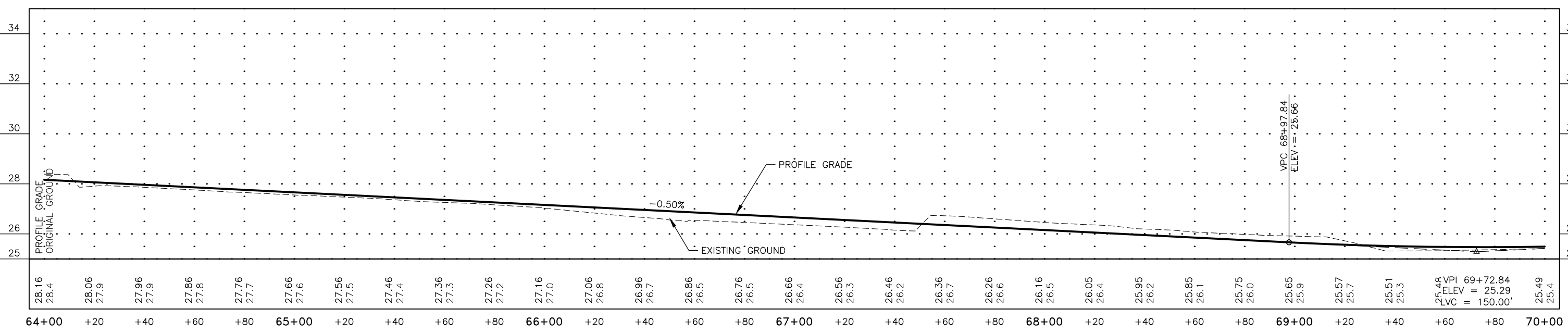
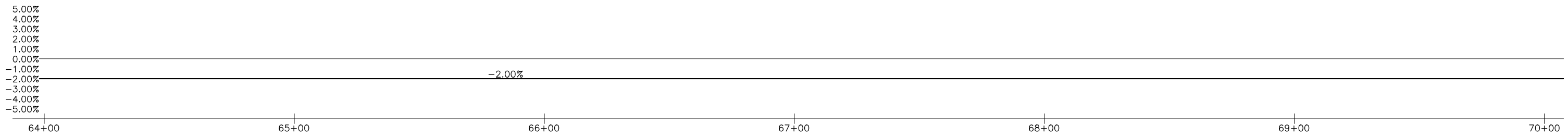
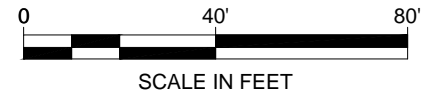


FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE Q:\nu\69393\Plmset\69393_F1-F7_Pln-Pro (M4) W Super.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 CERTIFICATE OF AUTH #:
 DESIGNED NG,DP
 CHECKED CT
 DRAFTED NG,RC
 DATE 10/1/2018 9:55 LAYOUT F5

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	9/28/18	CORRECT LABELS	ALASKA	NH-0932(047)/69393	2018	F5	F7

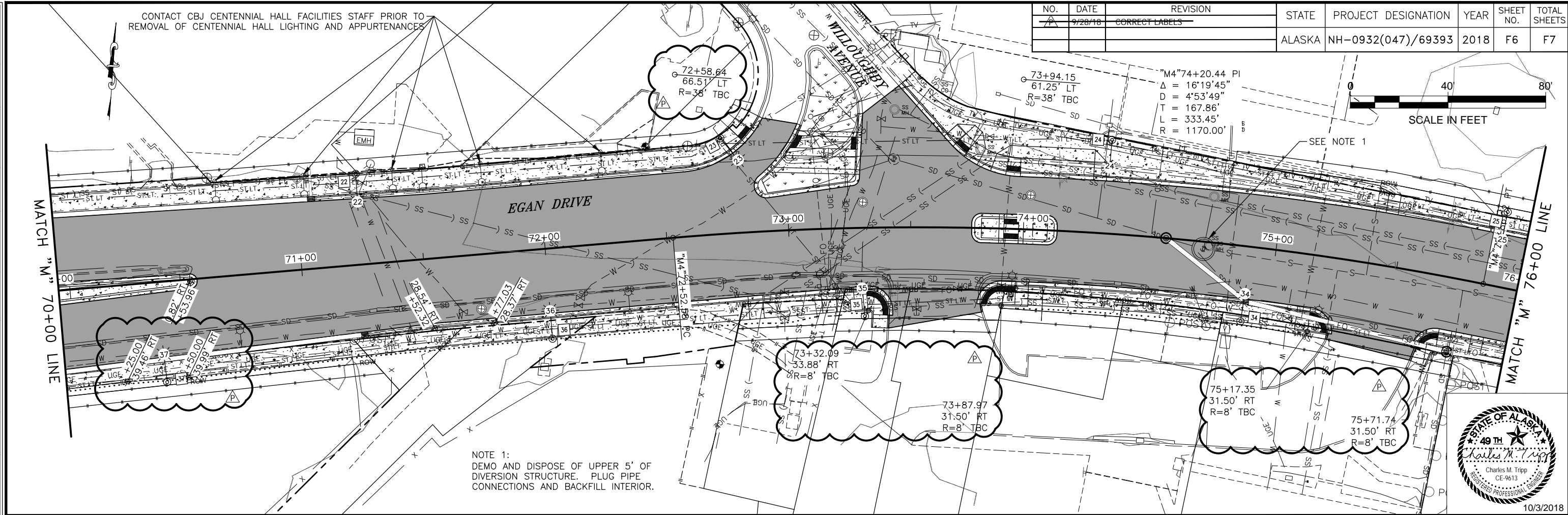


Median Curve Data			
Curve	PC/PT		Radius
	Station	Offset	
Δ7	68+50.58	6.78' RT	152'
	68+78.69	4.80' RT	
Δ8	89+15.29	1.24' LT	148'
	89+42.65	3.17' LT	
Δ9	88+81.58	9.03' RT	98'
	88+87.41	8.98' RT	

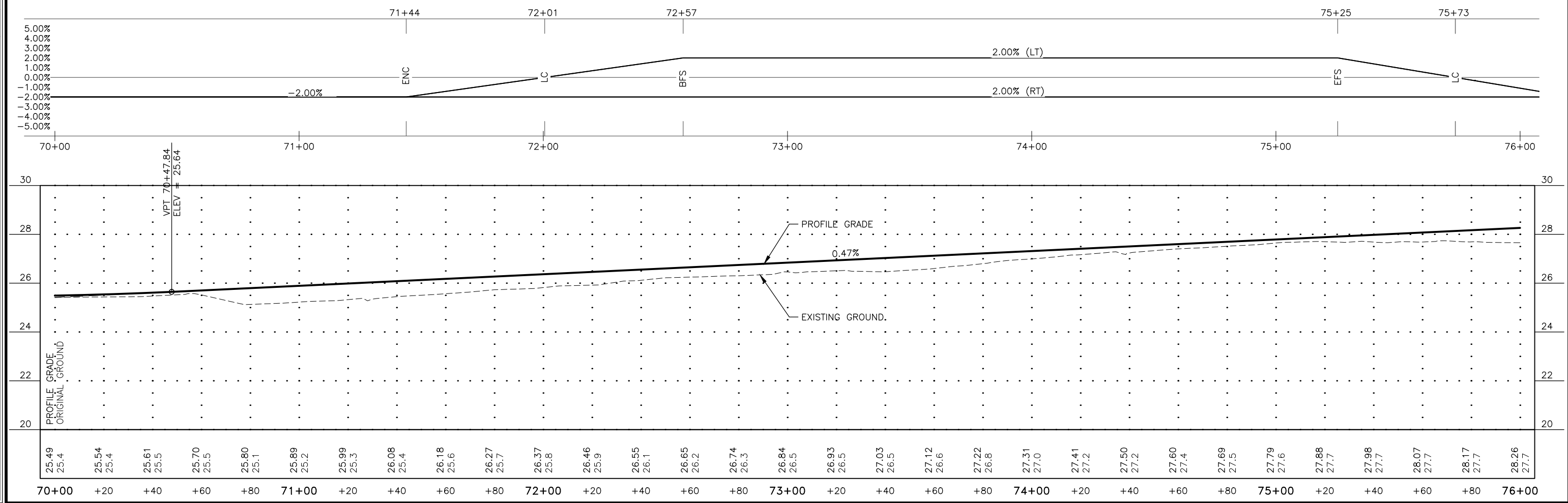


FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE Q:\nu\69393\Plmset\69393_F1-F7_Pln-Pro (M4) W Super.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 DESIGNED NG,DP
 CHECKED CT
 DRAFTED INGRG
 CERTIFICATE OF AUTH #:
 DATE 10/1/2018 9:55 LAYOUT F6

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	9/28/18	CORRECT LABELS	ALASKA	NH-0932(047)/69393	2018	F6	F7



NOTE 1:
 DEMO AND DISPOSE OF UPPER 5' OF DIVERSION STRUCTURE. PLUG PIPE CONNECTIONS AND BACKFILL INTERIOR.



FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE q:\nu\69393\PlanSet\ADDENDUM\addressum\6\69393_F1-F7_Pln-Pro (M4).W Super.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 DESIGNED NG,DP
 CHECKED CT
 DRAFTED IN,RG
 CERTIFICATE OF AUTH #:

NO.	DATE	REVISION
76	1/31/19	REMOVED CURB RAMPS

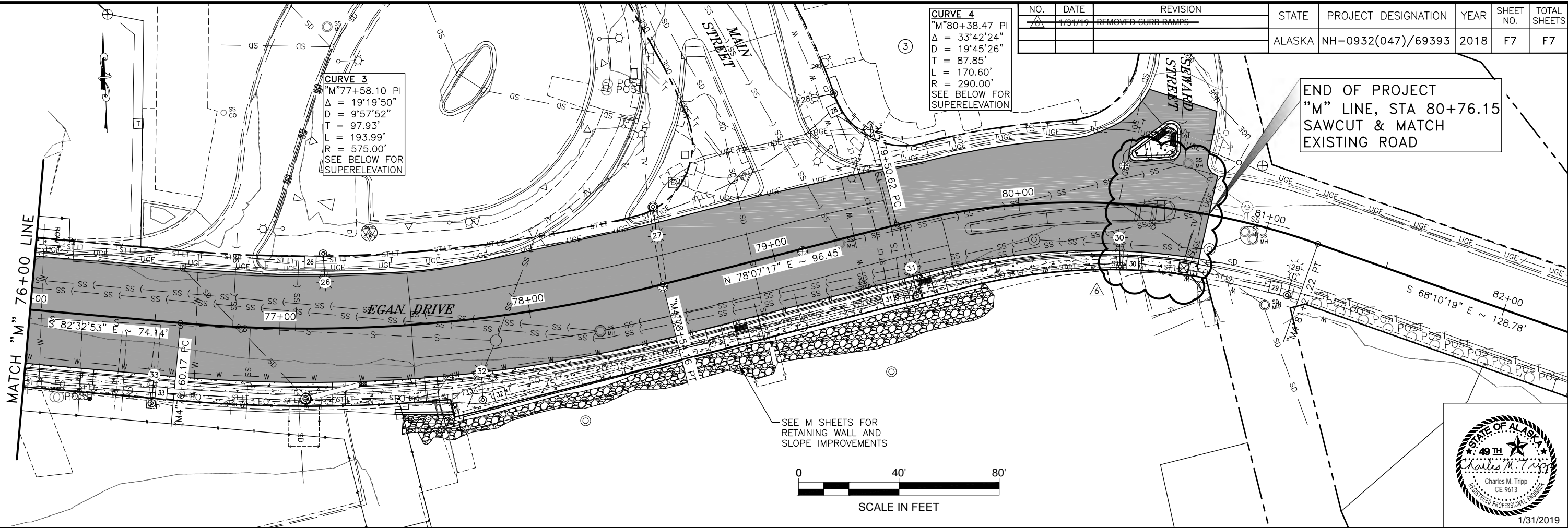
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	F7	F7

CURVE 4
 "M"80+38.47 PI
 $\Delta = 33^\circ 42' 24"$
 $D = 19' 45' 26"$
 $T = 87.85'$
 $L = 170.60'$
 $R = 290.00'$
 SEE BELOW FOR SUPERELEVATION

CURVE 3
 "M"77+58.10 PI
 $\Delta = 19^\circ 19' 50"$
 $D = 9' 57' 52"$
 $T = 97.93'$
 $L = 193.99'$
 $R = 575.00'$
 SEE BELOW FOR SUPERELEVATION

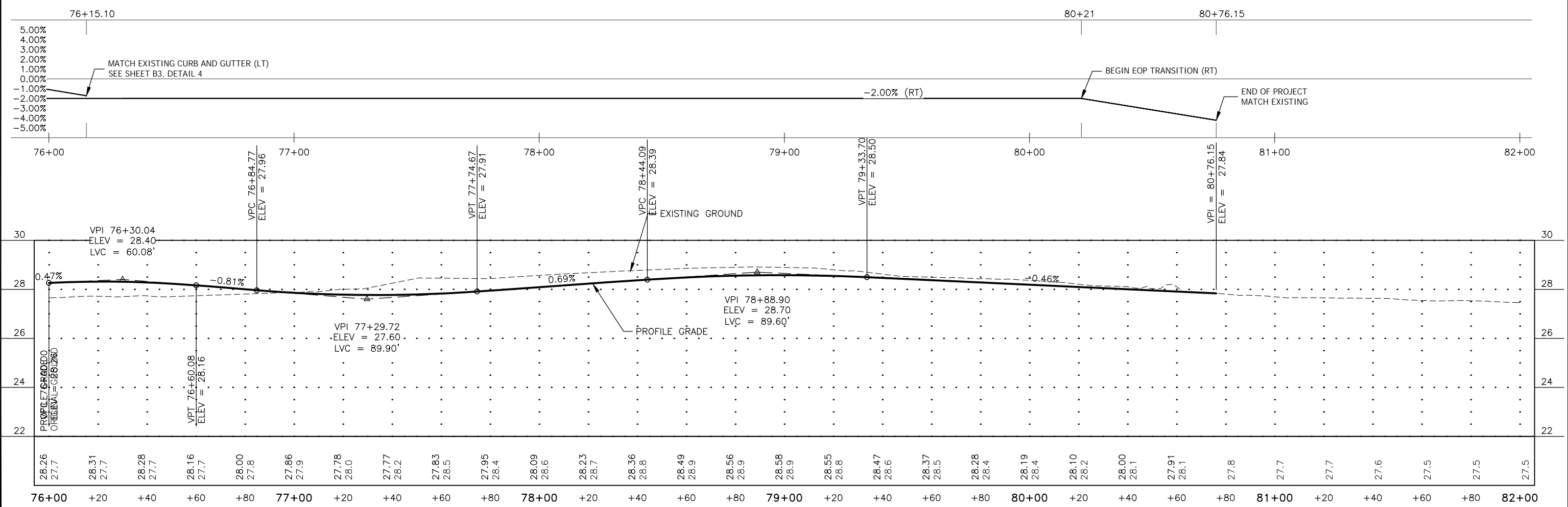
END OF PROJECT
 "M" LINE, STA 80+76.15
 SAWCUT & MATCH
 EXISTING ROAD

MATCH "M" LINE 76+00 LINE



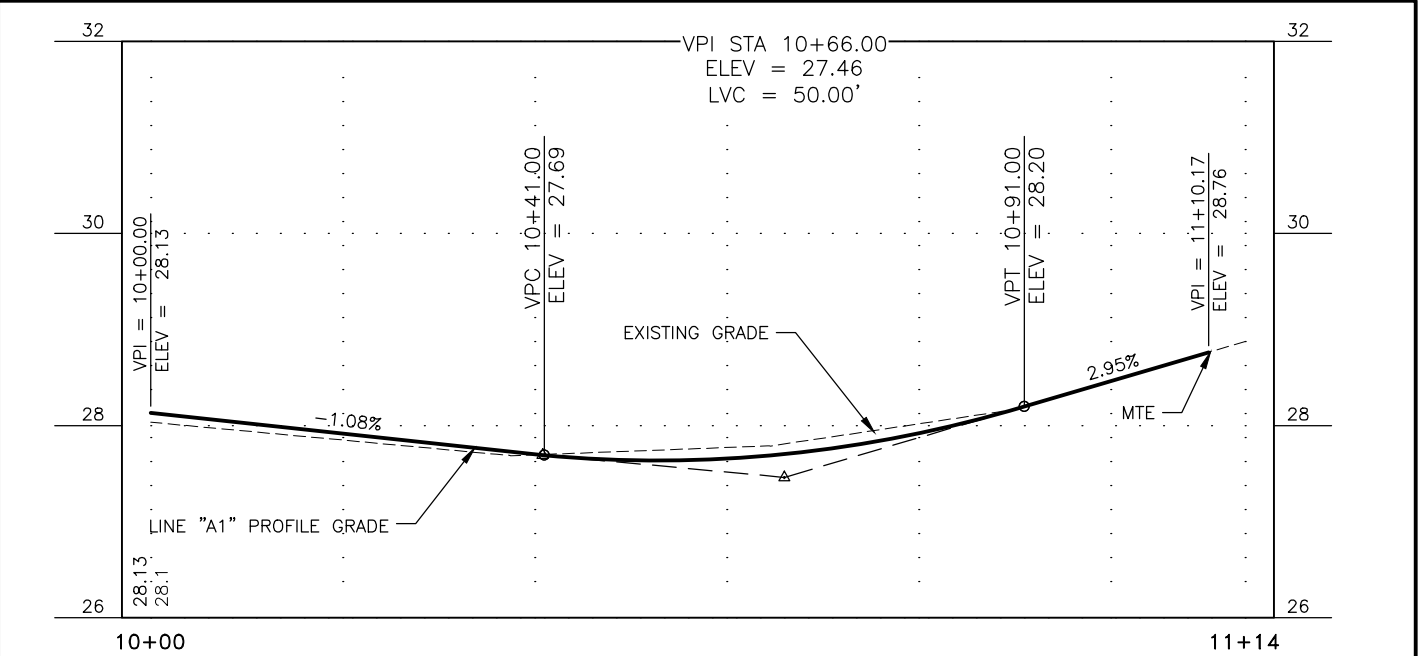
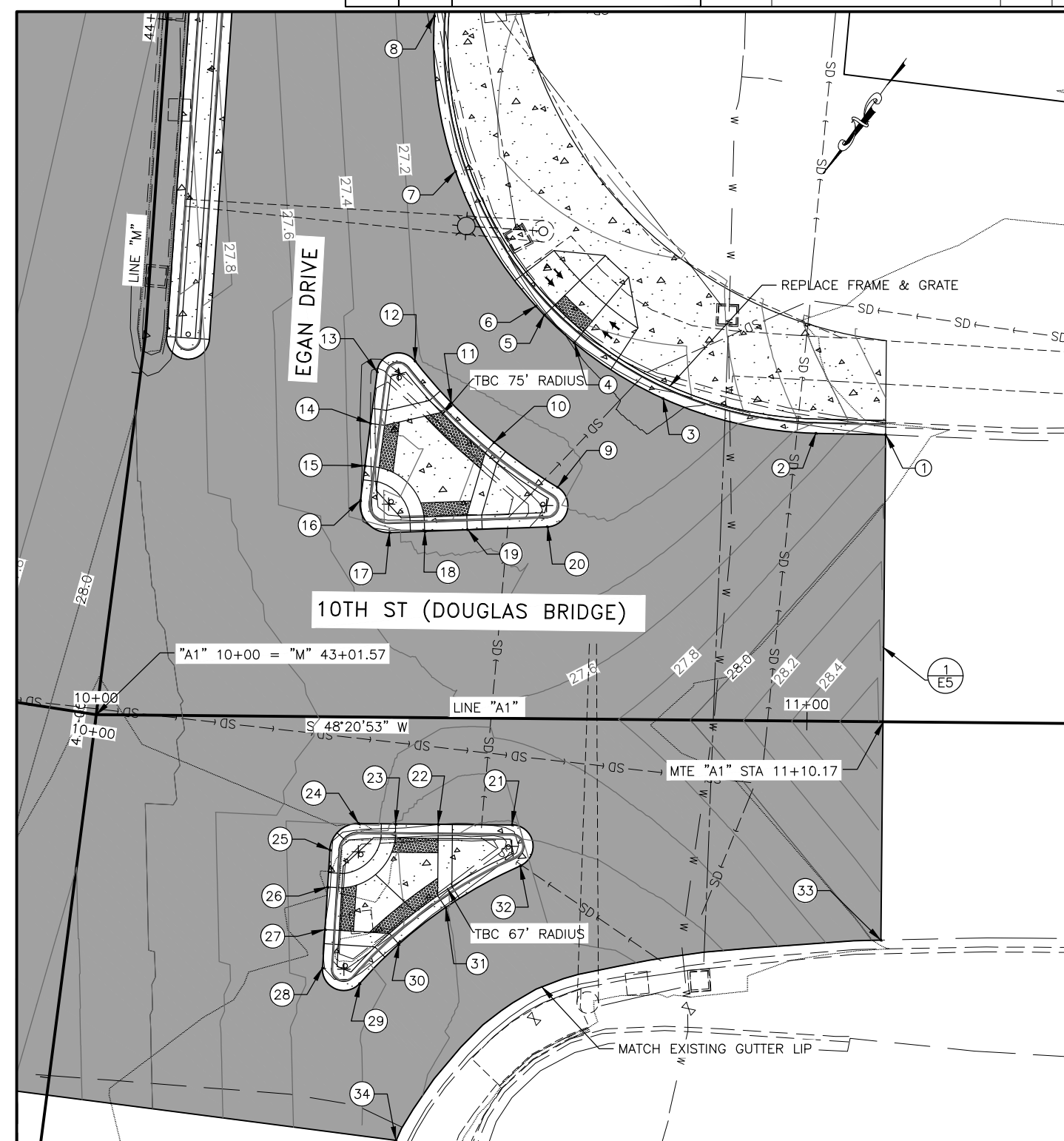
SEE M SHEETS FOR
 RETAINING WALL AND
 SLOPE IMPROVEMENTS

0 40' 80'
 SCALE IN FEET



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G1	G15

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	43+54.92'	105.08'	MTE	EOP, MTE
2	43+53.87'	95.36'	27.48' RT	EOP, PC (BEGIN 55' RADIUS)
3	43+55.44'	73.36'	26.92' RT	EOP
4	43+58.50'	60.26'	26.99' RT	EOP (CURB RAMP)
5	43+62.09'	55.80'	27.02' RT	EOP (CURB RAMP)
6	43+63.27'	54.54'	27.03' RT	EOP
7	43+81.42'	41.94'	27.14' RT	EOP
8	44+03.06'	37.50'	27.07' RT	EOP PT (END 55' RADIUS)
9	43+41.65'	60.26'	27.31' RT	EOP (BEGIN 73' RADIUS, END 3' RADIUS FROM NO. 20)
10	43+46.77'	50.57'	27.29' RT	EOP (CURB RAMP)
11	43+51.53'	43.88'	27.24' RT	EOP (CURB RAMP)
12	43+55.44'	38.13'	27.21' RT	EOP (END 73' RADIUS, BEGIN 3' RADIUS)
13	43+54.53'	33.00'	27.31' RT	EOP (END 3' RADIUS)
14	43+47.21'	32.95'	27.33' RT	EOP (CURB RAMP)
15	43+41.17'	33.00'	27.35' RT	EOP (CURB RAMP)
16	43+36.25'	33.00'	27.37' RT	EOP (BEGIN 4' RADIUS)
17	43+32.30'	37.66'	27.45' RT	EOP (END 4' RADIUS)
18	43+33.11'	42.52'	27.34' RT	EOP (CURB RAMP)
19	43+34.10'	48.43'	27.34' RT	EOP (CURB RAMP)
20	43+35.94'	59.55'	27.33' RT	EOP (BEGIN 3' RADIUS)
21	42+93.69'	60.03'	27.18' RT	EOP (END 3' RADIUS FROM NO. 32)
22	42+92.42'	49.71'	27.28' RT	EOP (CURB RAMP)
23	42+91.70'	43.75'	27.38' RT	EOP (CURB RAMP)
24	42+91.11'	38.59'	27.64' RT	EOP (BEGIN 4' RADIUS)
25	42+86.90'	35.08'	27.48' RT	EOP (END 4' RADIUS)
26	42+81.69'	35.42'	27.49' RT	EOP (CURB RAMP)
27	42+75.70'	35.82'	27.50' RT	EOP (CURB RAMP)
28	42+70.32'	36.18'	27.51' RT	EOP (BEGIN 3' RADIUS)
29	42+68.80'	41.64'	27.43' RT	EOP (END 3' RADIUS, BEGIN 65' RADIUS)
30	42+75.00'	46.37'	27.31' RT	EOP (CURB RAMP)
31	42+80.97'	52.24'	27.20' RT	EOP (CURB RAMP)
32	42+88.14'	61.94'	27.14' RT	EOP (END 65' RADIUS, BEGIN 3' RADIUS)
33	42+84.28'	113.58'	MTE	EOP, MTE
34	42+47.56'	49.55'	MTE	EOP, MTE



LAYOUT POINT DESCRIPTIONS

- TBC = TOP BACK OF CURB
- MTE = MATCH TO EXISTING
- RP = RADIUS POINT
- EOP = EDGE OF PAVEMENT
- FOC = FACE OF CURB
- BR = BOTTOM OF RAMP
- PC = POINT OF CURVATURE
- PT = POINT OF TANGENCY



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

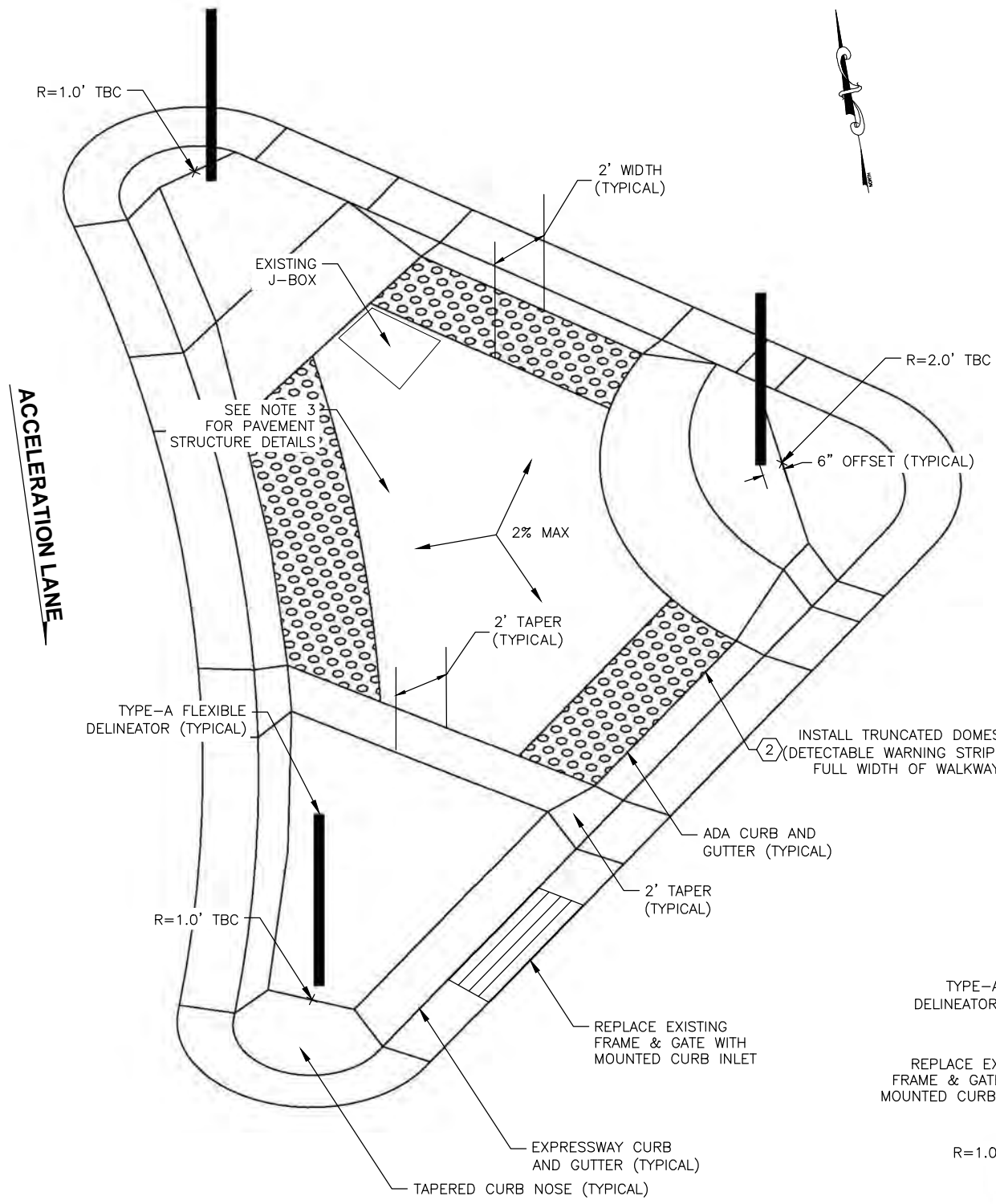
INTERSECTIONS

8/8/2018

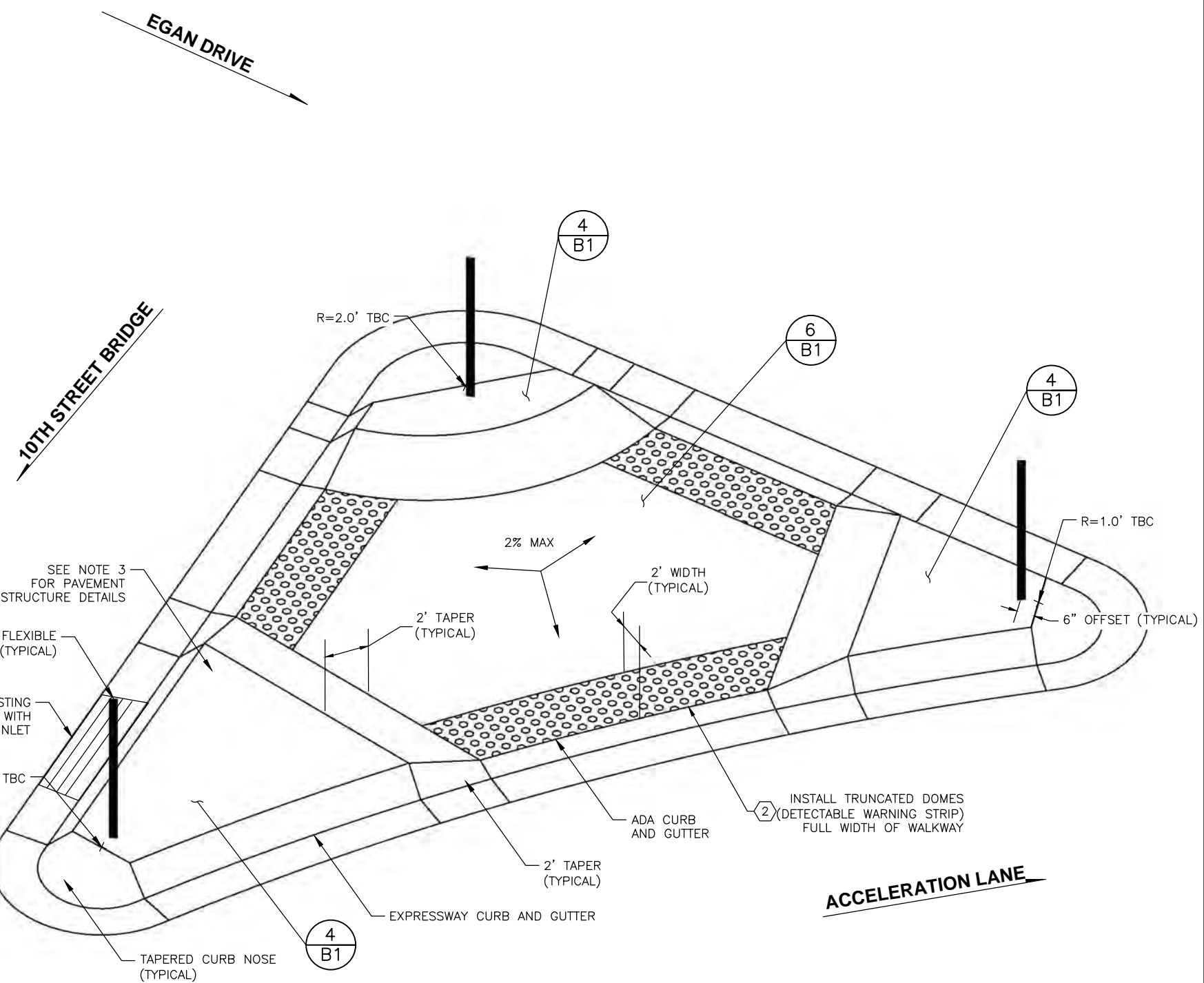
FILE G:\nu\69393\Plmset\69393_G1-G15_Intersection.dwg DATE 8/8/2018 14:39 LAYOUT G1 CHECKED CT DESIGNED BP DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G2	G15

FILE G:\nu\69393\Plmset\69393_G1-G15_Intersection.dwg
 DATE 8/8/2018 14:39 LAYOUT G2 DESIGNED BP CHECKED CT DRAFTED JT



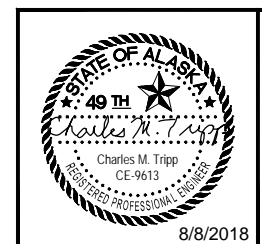
1
 G2
**10TH STREET / EGAN DRIVE
 PEDESTRIAN ISLAND #1**
 SCALE: NOT TO SCALE



2
 G2
**10TH STREET / EGAN DRIVE
 PEDESTRIAN ISLAND #2**
 SCALE: NOT TO SCALE

PEDESTRIAN ISLAND NOTES:

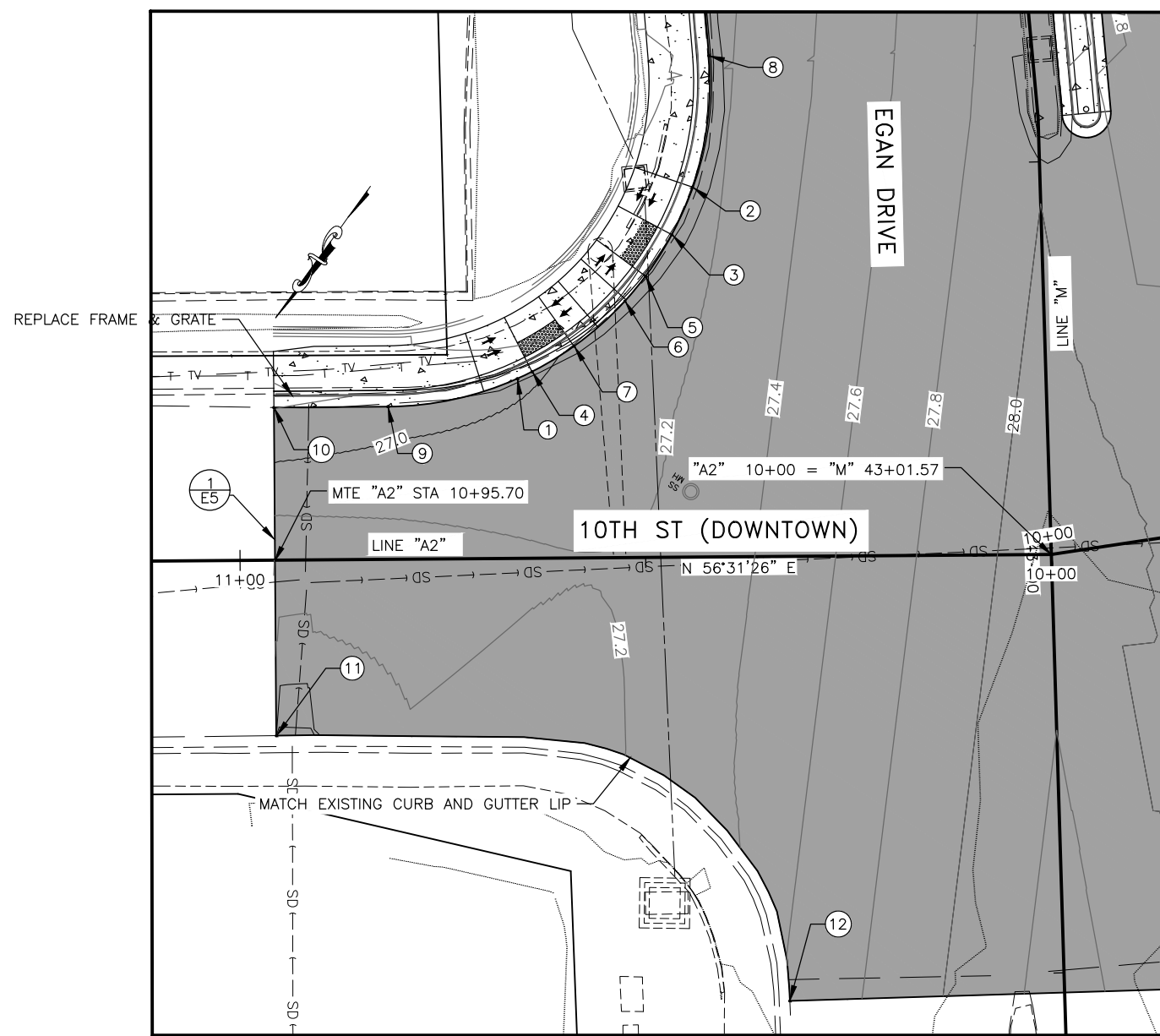
1. CROWN ISLAND AT CENTER OF SIDEWALK SO DRAINAGE IS OUTWARD, OFF ISLAND.
2. SEE STANDARD DRAWING, I-21.10
3. USE PAVEMENT STRUCTURE 2 (SHEET B1).



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 INTERSECTIONS

FILE G:\nu\69393\Plmset\69393_G1-G15_intersections.dwg DATE 10/1/2018 9:56 LAYOUT G3 DESIGNED BP CHECKED CT DRAFTED JT

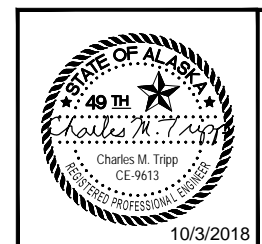
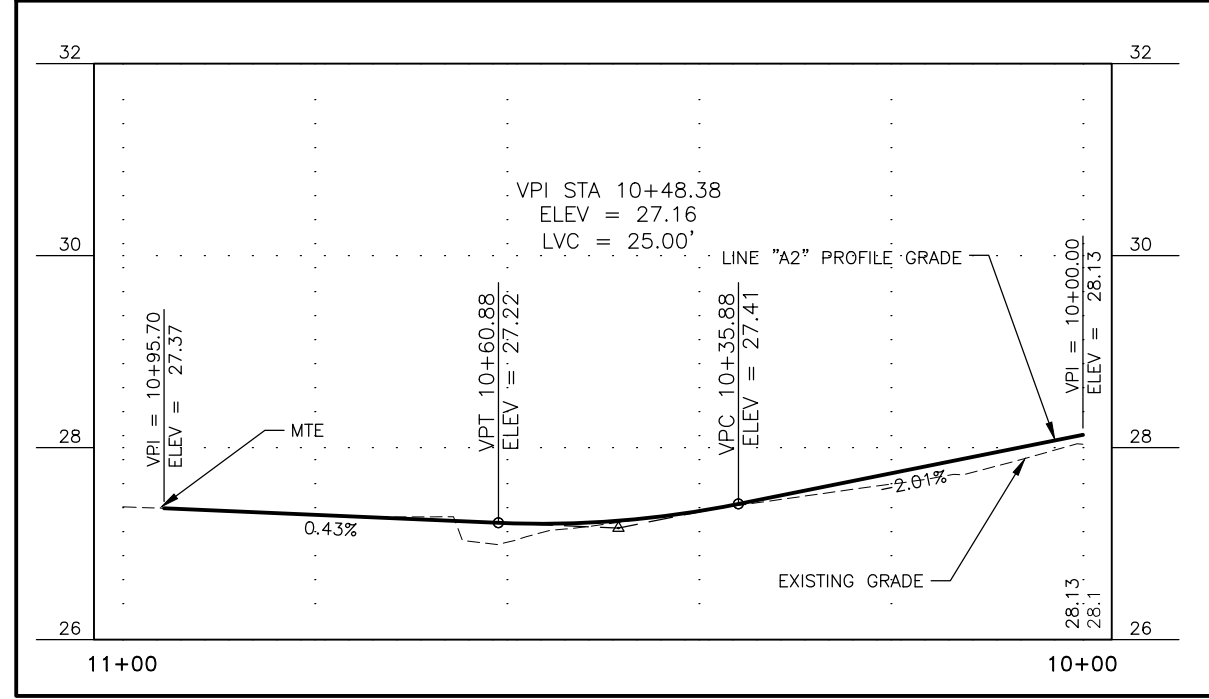
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7/A	9/18	UPDATE STA, OFF, AND ELEVATIONS	ALASKA	NH-0932(047)/69393	2018	G3	G15



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	43+25.23'	65.98' LT	26.99'	EOP
2	43+48.17'	42.84' LT	27.11'	EOP
3	43+42.39'	42.39' LT	27.08'	EOP (CURB RAMP)
4	43+26.03'	63.31' LT	26.99'	EOP (CURB RAMP)
5	43+37.38'	48.95' LT	27.06'	EOP (CURB RAMP)
6	43+34.37'	51.60' LT	27.04'	EOP
7	43+29.01'	58.03' LT	27.01'	EOP (CURB RAMP)
8	43+66.72'	39.73' LT	27.17'	EOP, PC (BEGIN 40' RADIUS)
9	43+22.26'	81.10' LT	26.91'	EOP, PT (END 40' RADIUS)
10	43+22.57'	95.25' LT	MTE	EOP, MTE
11	42+82.13'	96.16' LT	MTE	EOP, MTE
12	42+47.55'	33.89' LT	MTE	EOP, MTE

LAYOUT POINT DESCRIPTIONS

- TBC = TOP BACK OF CURB
- MTE = MATCH TO EXISTING
- RP = RADIUS POINT
- EOP = EDGE OF PAVEMENT
- FOC = FACE OF CURB
- BR = BOTTOM OF RAMP
- PC = POINT OF CURVATURE
- PT = POINT OF TANGENCY



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

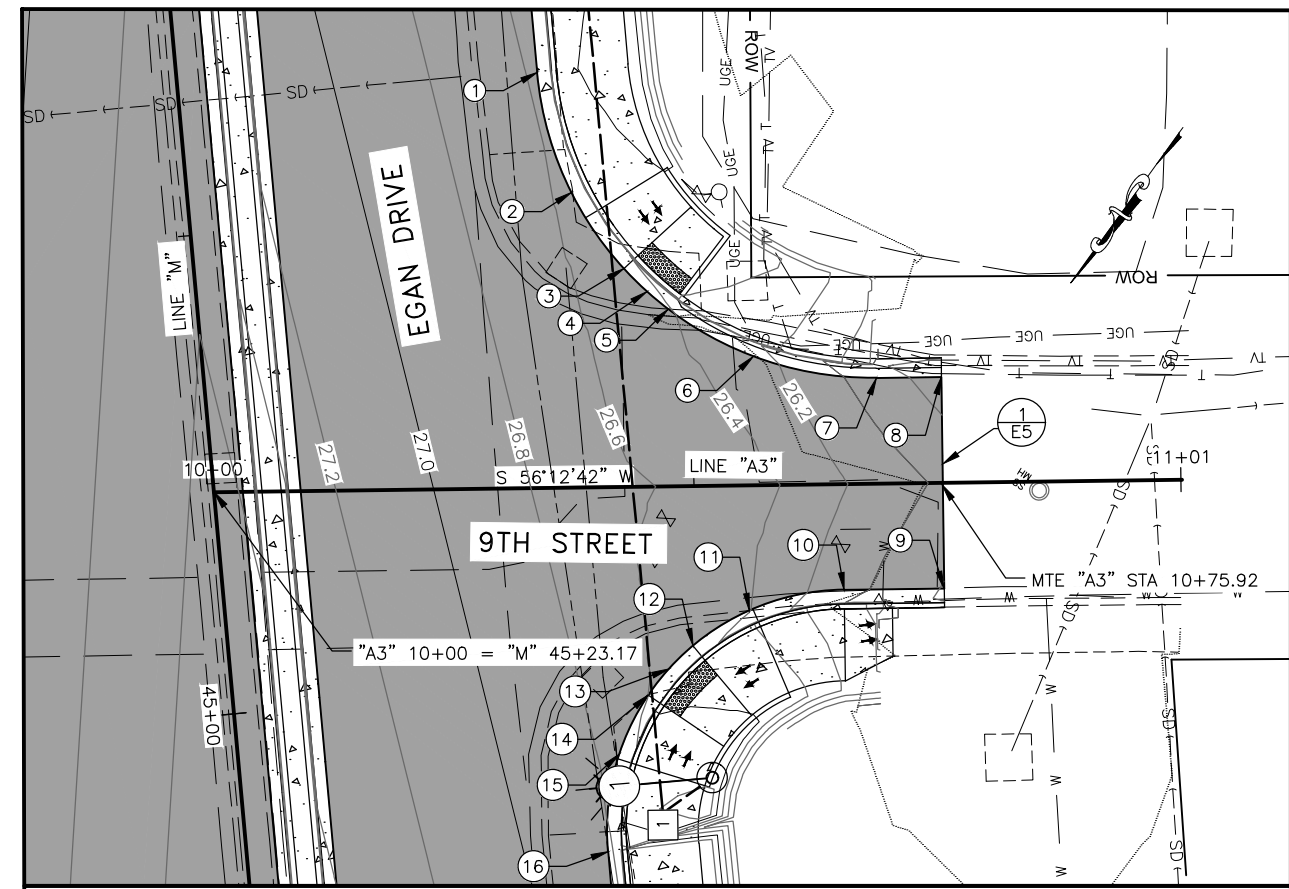
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

INTERSECTIONS

10/3/2018

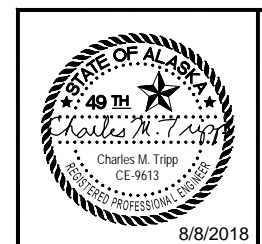
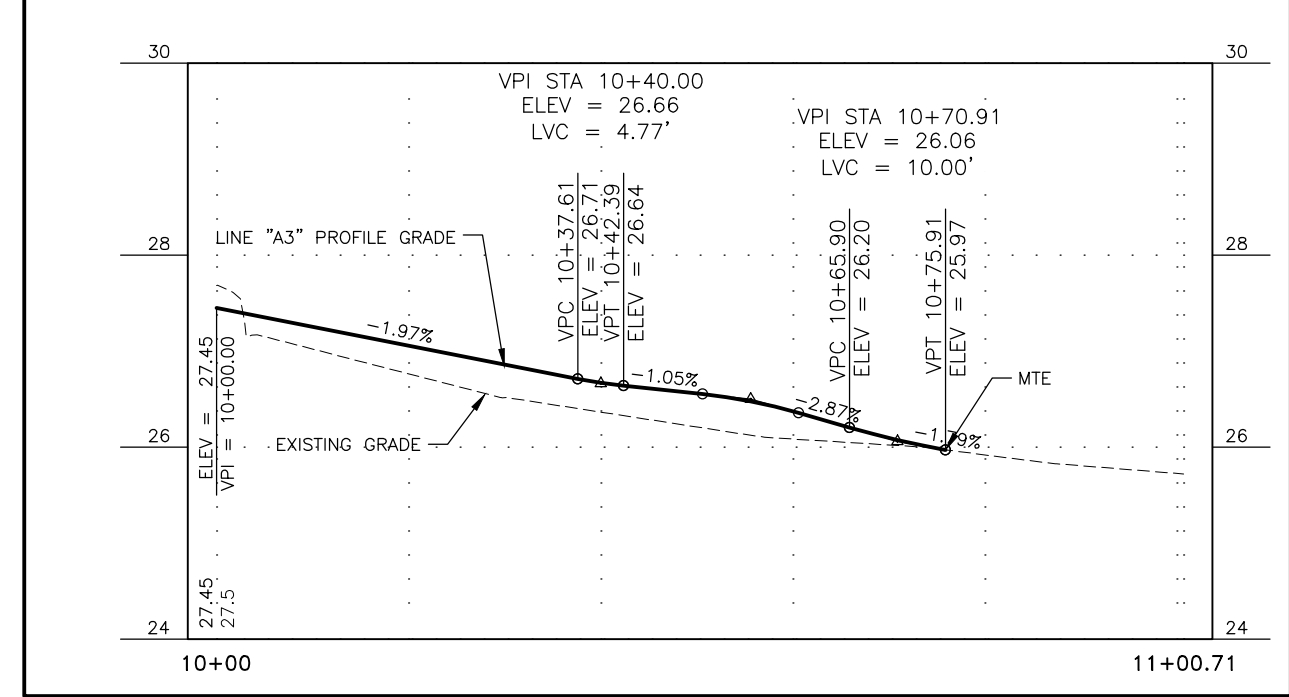
FILE G:\nu\69393\Plmset\69393_G1-G15_intersections.dwg DATE 8/8/2018 14:39 LAYOUT G4 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G4	G15



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	45+63.65'	37.50' RT	26.58'	EOP, PC (BEGIN 35' RADIUS)
2	45+50.89'	39.91' RT	26.51'	EOP
3	45+42.49'	44.62' RT	26.47'	EOP (CURB RAMP)
4	45+39.89'	46.81' RT	26.45'	EOP
5	45+37.87'	48.84' RT	26.41'	EOP (CURB RAMP)
6	45+32.15'	57.24' RT	26.28'	EOP
7	45+28.76'	69.78' RT	25.90'	EOP, PT (END 35' RADIUS)
8	45+28.23'	76.53' RT	MTE	EOP, MTE
9	45+06.30'	74.82' RT	MTE	EOP, MTE
10	45+07.11'	64.44' RT	26.07'	EOP, PC (BEGIN 25' RADIUS)
11	45+05.84'	54.42' RT	26.41'	EOP
12	45+02.71'	48.23' RT	26.50'	EOP (CURB RAMP)
13	45+00.54'	45.52' RT	26.55'	EOP
14	44+98.01'	43.14' RT	26.60'	EOP (CURB RAMP)
15	44+92.20'	39.59' RT	26.69'	EOP
16	44+82.18'	37.50' RT	26.83'	EOP, PT (END 25' RADIUS)

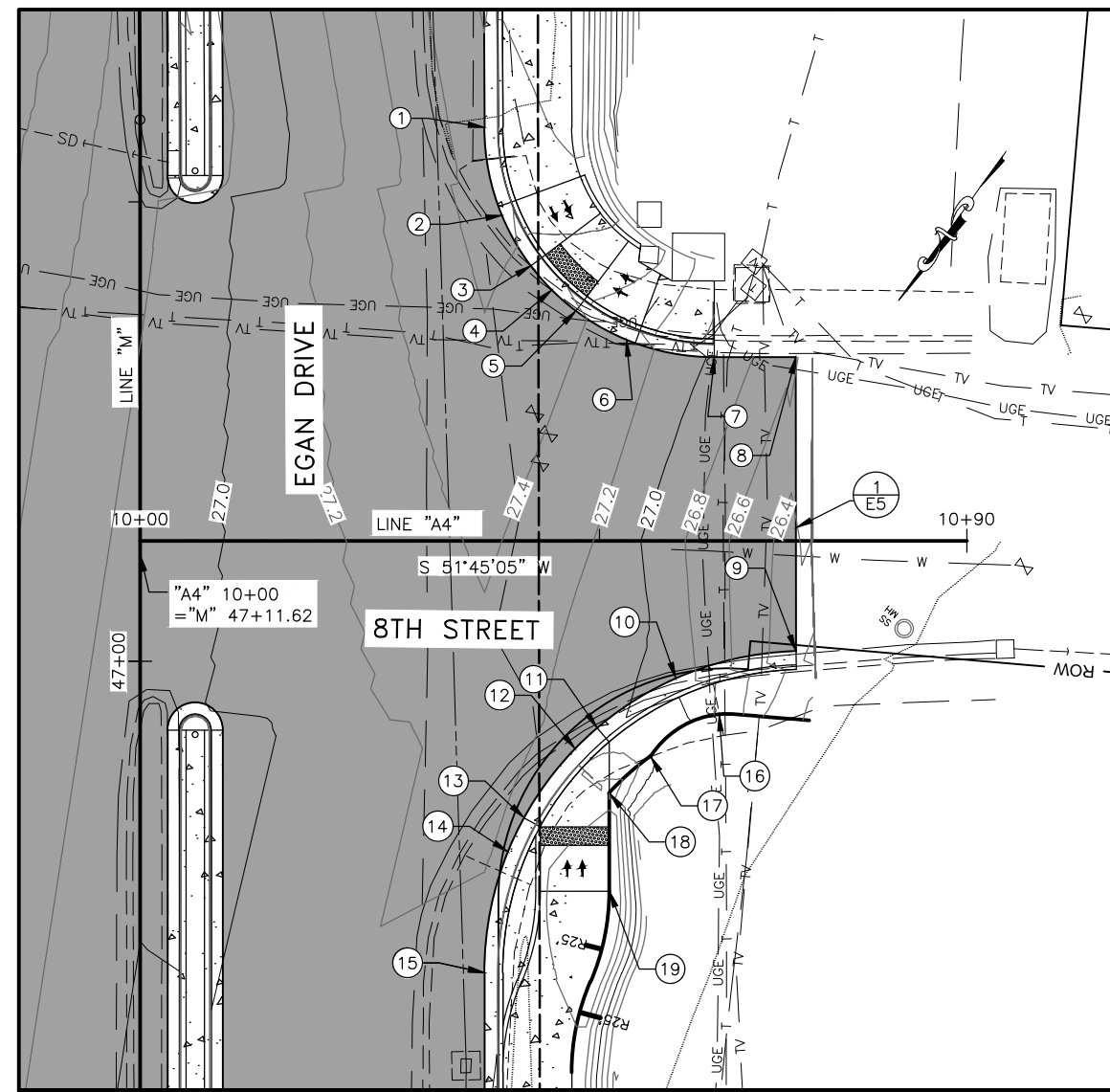
LAYOUT POINT DESCRIPTIONS
 TBC = TOP BACK OF CURB
 MTE = MATCH TO EXISTING
 RP = RADIUS POINT
 EOP = EDGE OF PAVEMENT
 FOC = FACE OF CURB
 BR = BOTTOM OF RAMP
 PC = POINT OF CURVATURE
 PT = POINT OF TANGENCY



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 INTERSECTIONS

FILE G:\nu\69393\Plmset\69393_G1-G15_intersections.dwg DATE 8/8/2018 14:39 LAYOUT G5 DESIGNED BP CHECKED CT DRAFTED JT

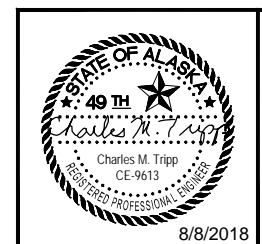
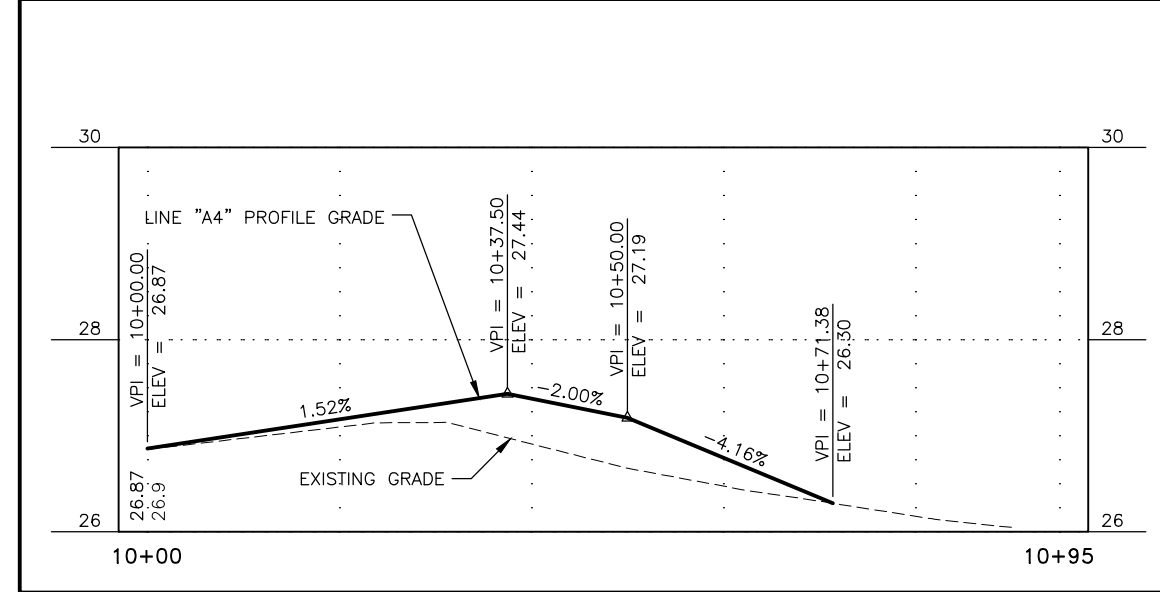
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G5	G15



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	47+58.12'	37.50' RT	27.73'	EOP, PC (BEGIN 25' RADIUS)
2	47+48.55'	39.40' RT	27.67'	EOP
3	47+43.06'	42.54' RT	27.55'	EOP (CURB RAMP)
4	47+40.44'	44.82' RT	27.49'	EOP
5	47+38.16'	47.44' RT	27.43'	EOP (CURB RAMP)
6	47+35.02'	52.93' RT	27.31'	EOP
7	47+33.12'	62.50' RT	26.97'	EOP, PT (END 25' RADIUS)
8	47+33.12'	71.37' RT	MTE	EOP, MTE
9	47+01.10'	71.37' RT	MTE	EOP, MTE, DEPRESSED CURB, RADIUS 35'
10	46+98.12'	58.33' RT	26.91'	EOP, DEPRESSED CURB
11	46+92.73'	49.77' RT	27.07'	EOP (CURB RAMP)
12	46+90.47'	47.35' RT	27.12'	EOP
13	46+82.95'	41.81' RT	27.15'	EOP (CURB RAMP)
14	46+79.25'	40.06' RT	27.17'	EOP
15	46+66.12'	37.50' RT	27.13'	EOP, PT (END 35' RADIUS)
16	46+94.24'	63.03' RT	MTE	SAWCUT AND MTE AT ROW, MATCH EXISTING MATERIAL
17	46+89.65'	55.55' RT	MTE	SAWCUT AND MTE AT ROW, MATCH EXISTING MATERIAL
18	46+85.65'	51.07' RT	27.15	MATCH TO CURB RAMP
19	46+74.99'	51.07' RT	27.65	BEGIN RADIUS 25' (TYP) SEE PLAN VIEW

LAYOUT POINT DESCRIPTIONS

TBC = TOP BACK OF CURB
MTE = MATCH TO EXISTING
RP = RADIUS POINT
EOP = EDGE OF PAVEMENT
FOC = FACE OF CURB
BR = BOTTOM OF RAMP
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY



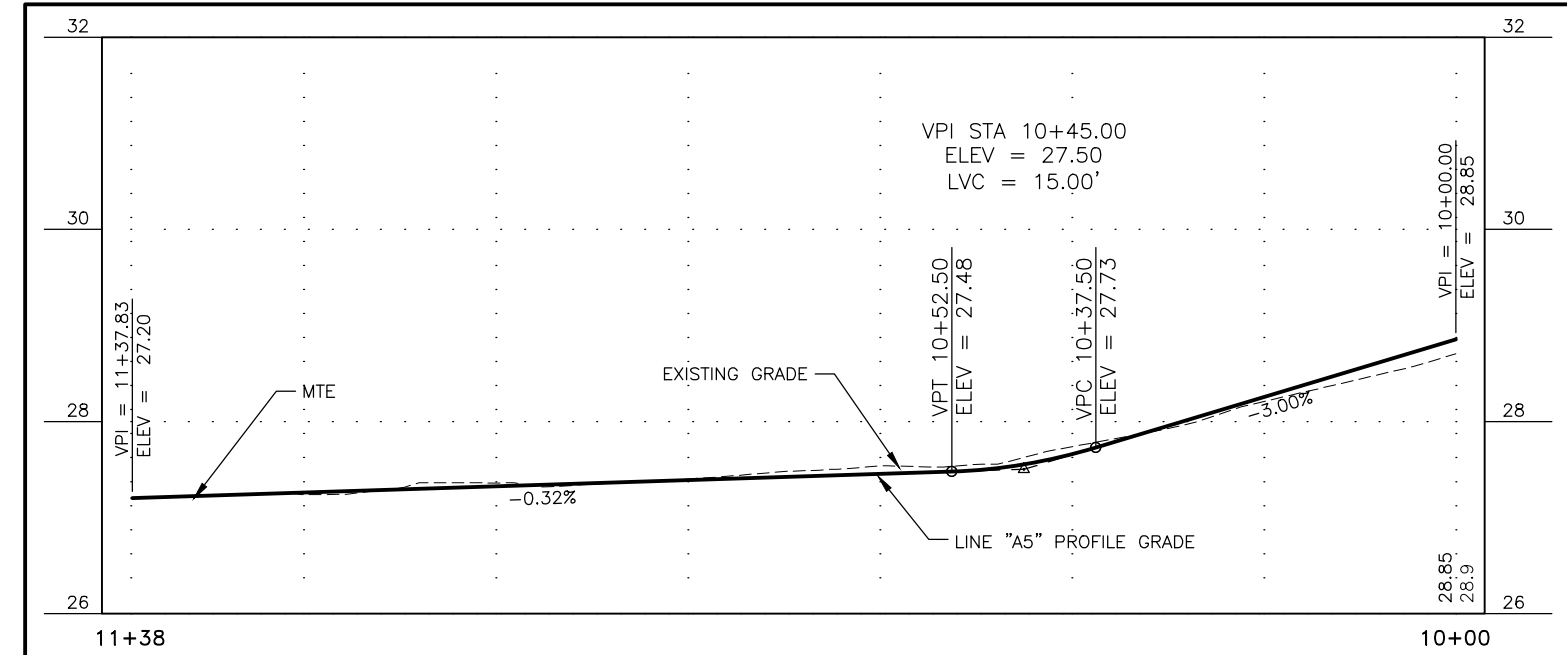
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

INTERSECTIONS

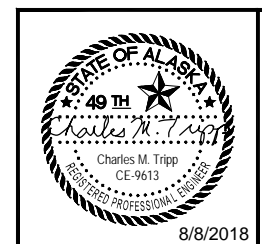
8/8/2018

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G6	G15



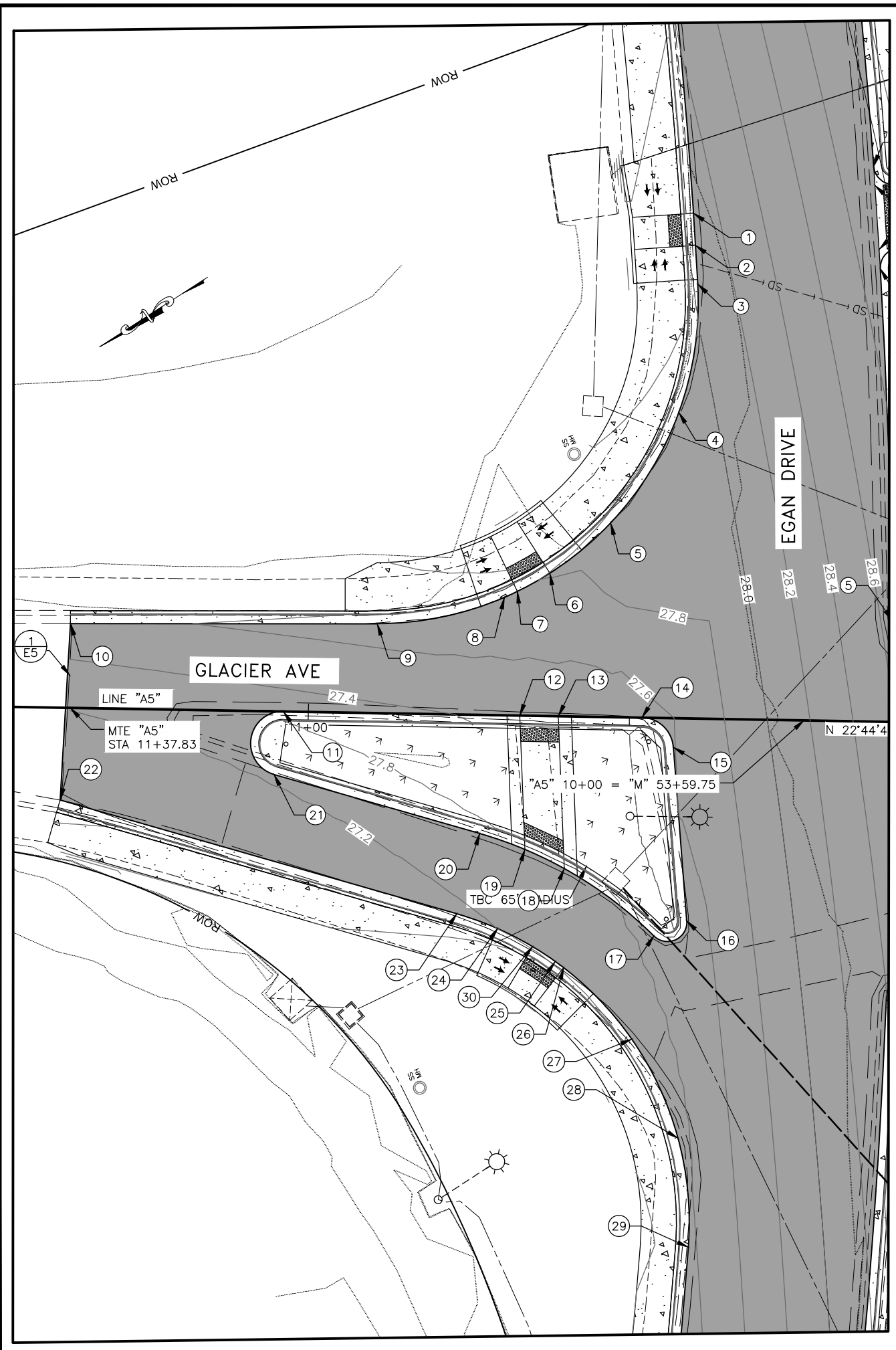
NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	54+41.67'	37.50' LT	28.09'	EOP (CURB RAMP)
2	54+36.49'	37.51' LT	28.06'	EOP (CURB RAMP)
3	54+30.25'	37.50' LT	28.04'	EOP, PC (BEGIN 50' RADIUS)
4	54+09.71'	41.41' LT	27.95'	EOP
5	53+92.15'	52.57' LT	27.86'	EOP
6	53+84.13'	62.20' LT	27.81'	EOP (CURB RAMP)
7	53+81.21'	67.32' LT	27.78'	EOP (CURB RAMP)
8	53+80.26'	69.35' LT	27.77'	EOP
9	53+76.13'	89.20' LT	27.69'	EOP, PT (END 50' RADIUS)
10	53+76.71'	136.98' LT	MTE	EOP, MTE
11	53+61.29'	103.87' LT	27.31'	EOP (END 5' RADIUS FROM NO. 21)
12	53+60.71'	67.06' LT	27.43'	EOP (CURB RAMP)
13	53+60.62'	61.05' LT	27.45'	EOP (CURB RAMP)
14	53+60.43'	48.03' LT	27.51'	EOP (BEGIN 5' RADIUS)
15	53+55.65'	43.13' LT	27.59'	EOP (END 5' RADIUS)
16	53+27.68'	40.52' LT	27.54'	EOP (BEGIN 3' RADIUS)
17	53+25.06'	45.55' LT	27.44'	EOP (END 3' RADIUS, BEGIN 63' RADIUS)
18	53+35.63'	59.82' LT	27.31'	EOP (CURB RAMP)
19	53+38.62'	66.00' LT	27.30'	EOP (CURB RAMP)
20	53+41.09'	73.08' LT	27.28'	EOP (END 63' RADIUS)
21	53+50.50'	105.27' LT	27.22'	EOP (BEGIN 5' RADIUS)
22	53+45.54'	138.53' LT	MTE	EOP, MTE
23	53+27.64'	76.34' LT	27.18'	EOP, PT (BEGIN 50' RADIUS)
24	53+25.41'	69.93' LT	27.20'	EOP
25	53+20.33'	60.77' LT	27.23'	EOP (CURB RAMP)
26	53+19.36'	59.42' LT	27.23'	EOP
27	53+08.16'	48.30' LT	27.27'	EOP
28	52+92.56'	40.27' LT	27.32'	EOP
29	52+75.18'	37.50' LT	27.36'	EOP, PT (END 50' RADIUS)
30	53+22.63'	64.37' LT	27.22'	EOP (CURB RAMP)

LAYOUT POINT DESCRIPTIONS
TBC = TOP BACK OF CURB
MTE = MATCH TO EXISTING
RP = RADIUS POINT
EOP = EDGE OF PAVEMENT
FOC = FACE OF CURB
BR = BOTTOM OF RAMP
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY

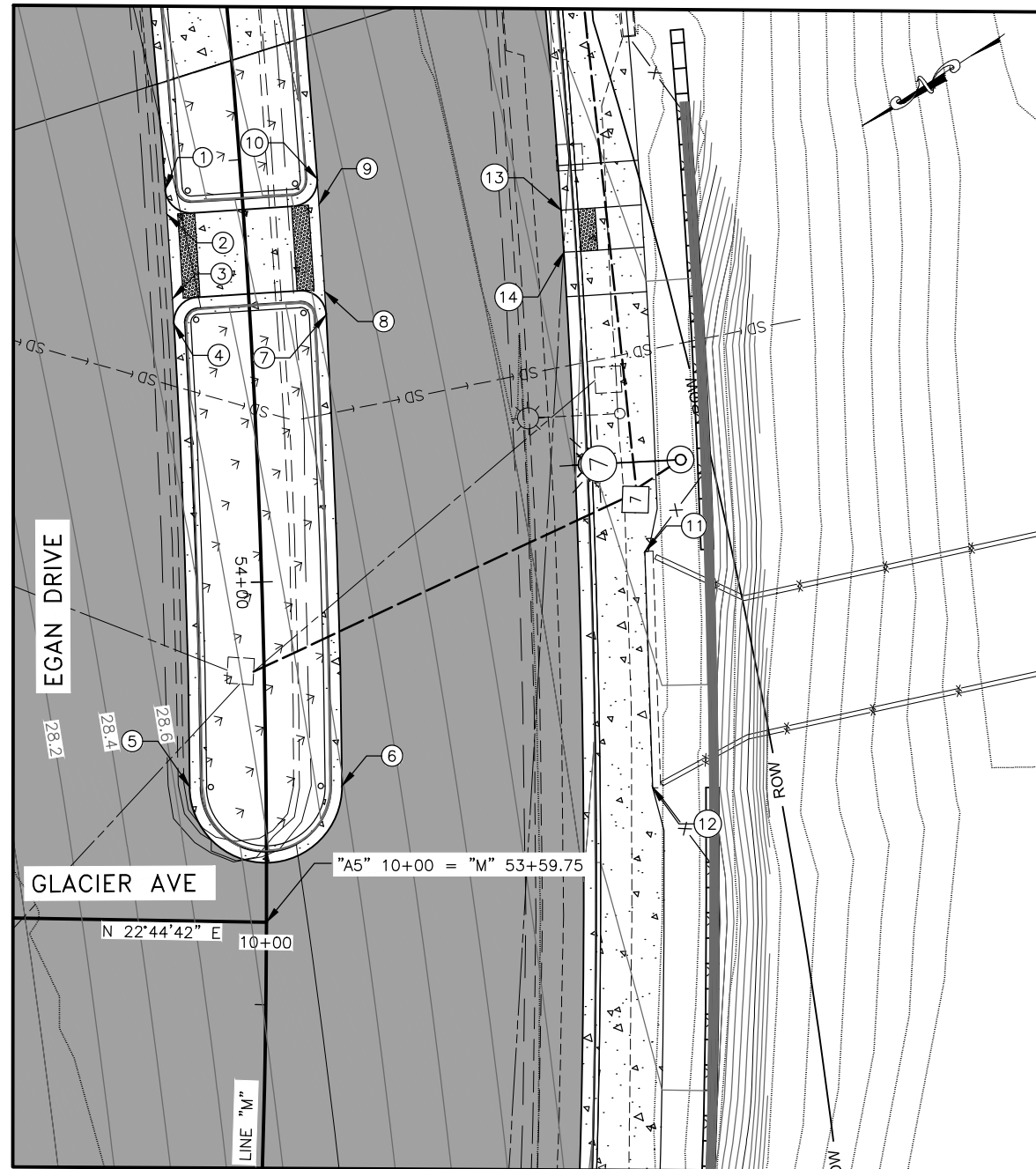


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
INTERSECTIONS

FILE G:\nu\69393\Plmset\69393_G1-G15_Intersection.dwg DATE 8/8/2018 14:39 LAYOUT G6 DESIGNED BP CHECKED CT DRAFTED JT



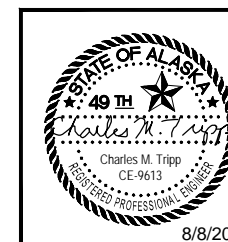
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G7	G15



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	54+47.12'	9.00' LT	28.96'	EOP, 3' RADIUS
2	54+44.12'	9.00' LT	28.95'	EOP (CURB RAMP)
3	54+34.06'	9.00' LT	28.91'	EOP (CURB RAMP)
4	54+31.04'	9.00' LT	28.89'	EOP, 3' RADIUS
5	53+75.80'	9.00' LT	28.65'	EOP, BEGIN 9' RADIUS
6	53+75.80'	9.00' RT	29.19'	EOP, END 9' RADIUS
7	54+31.10'	9.00' RT	29.43'	EOP, 3' RADIUS
8	54+33.83'	9.00' RT	29.45'	EOP (CURB RAMP)
9	54+44.08'	9.00' RT	29.49'	EOP (CURB RAMP)
10	54+47.07'	9.00' RT	29.50'	EOP, 3' RADIUS
11	54+02.09'	45.36' RT	30.46'	MTE (MAINTAIN ADA COMPLIANCE ALONG SIDEWALK & SEAWALK TRANSITION)
12	53+75.32'	45.67' RT	30.55'	MTE (MAINTAIN ADA COMPLIANCE ALONG SIDEWALK & SEAWALK TRANSITION)
13	54+41.50'	37.5' RT	30.33'	EOP (CURB RAMP)
14	54+36.67'	37.5' RT	30.31'	EOP (CURB RAMP)

LAYOUT POINT DESCRIPTIONS

TBC = TOP BACK OF CURB
MTE = MATCH TO EXISTING
RP = RADIUS POINT
EOP = EDGE OF PAVEMENT
FOC = FACE OF CURB
BR = BOTTOM OF RAMP
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

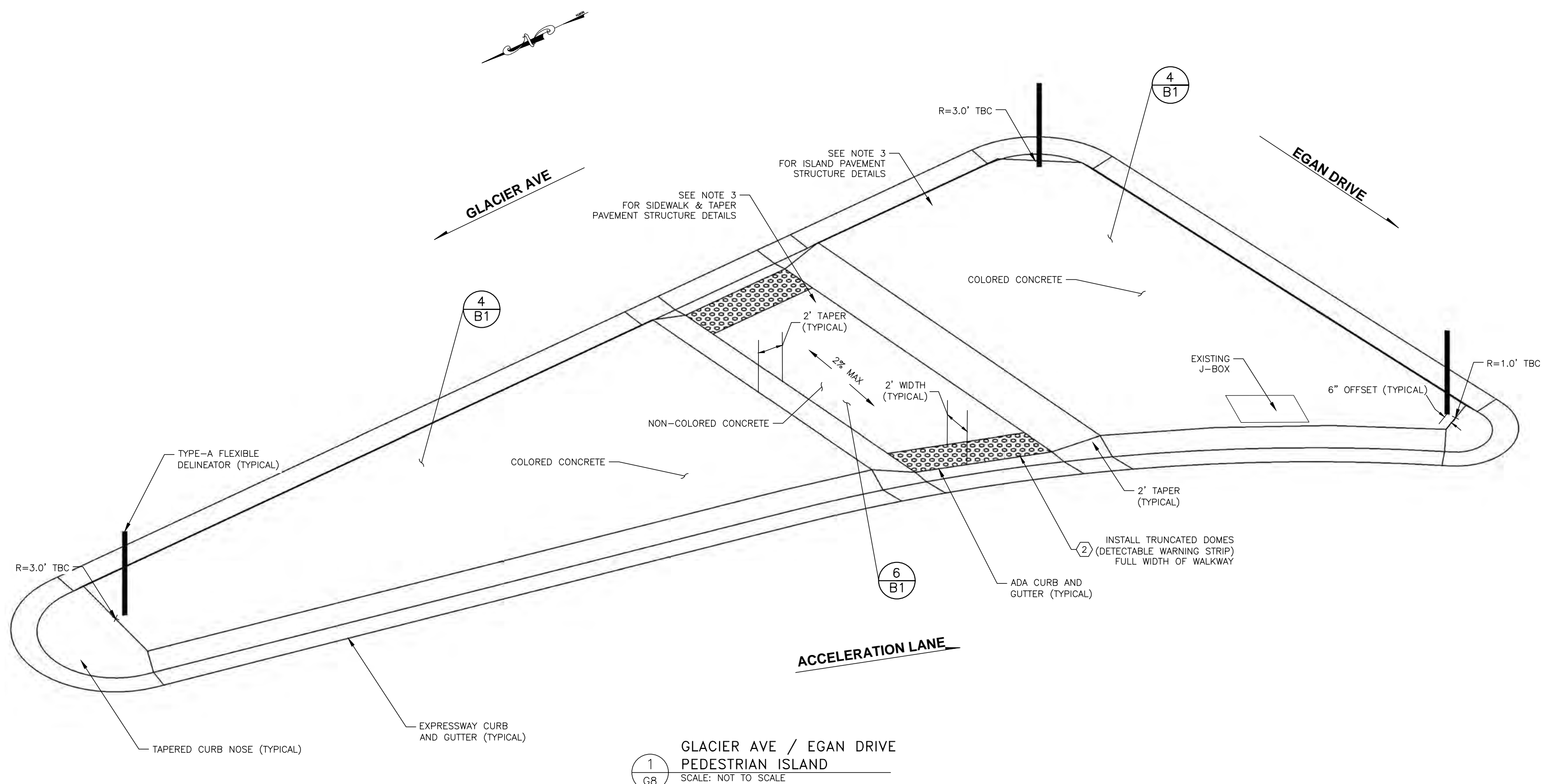
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

INTERSECTIONS

8/8/2018

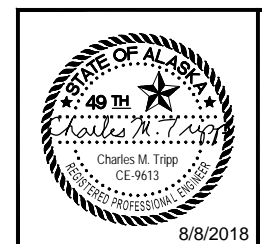
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G8	G15

FILE G:\nu\69393\Plmset\69393_G1-G15_Intersection.dwg DATE 8/8/2018 14:39 LAYOUT G8 DESIGNED BP CHECKED CT DRAFTED JT



1
G8 GLACIER AVE / EGAN DRIVE
PEDESTRIAN ISLAND
SCALE: NOT TO SCALE

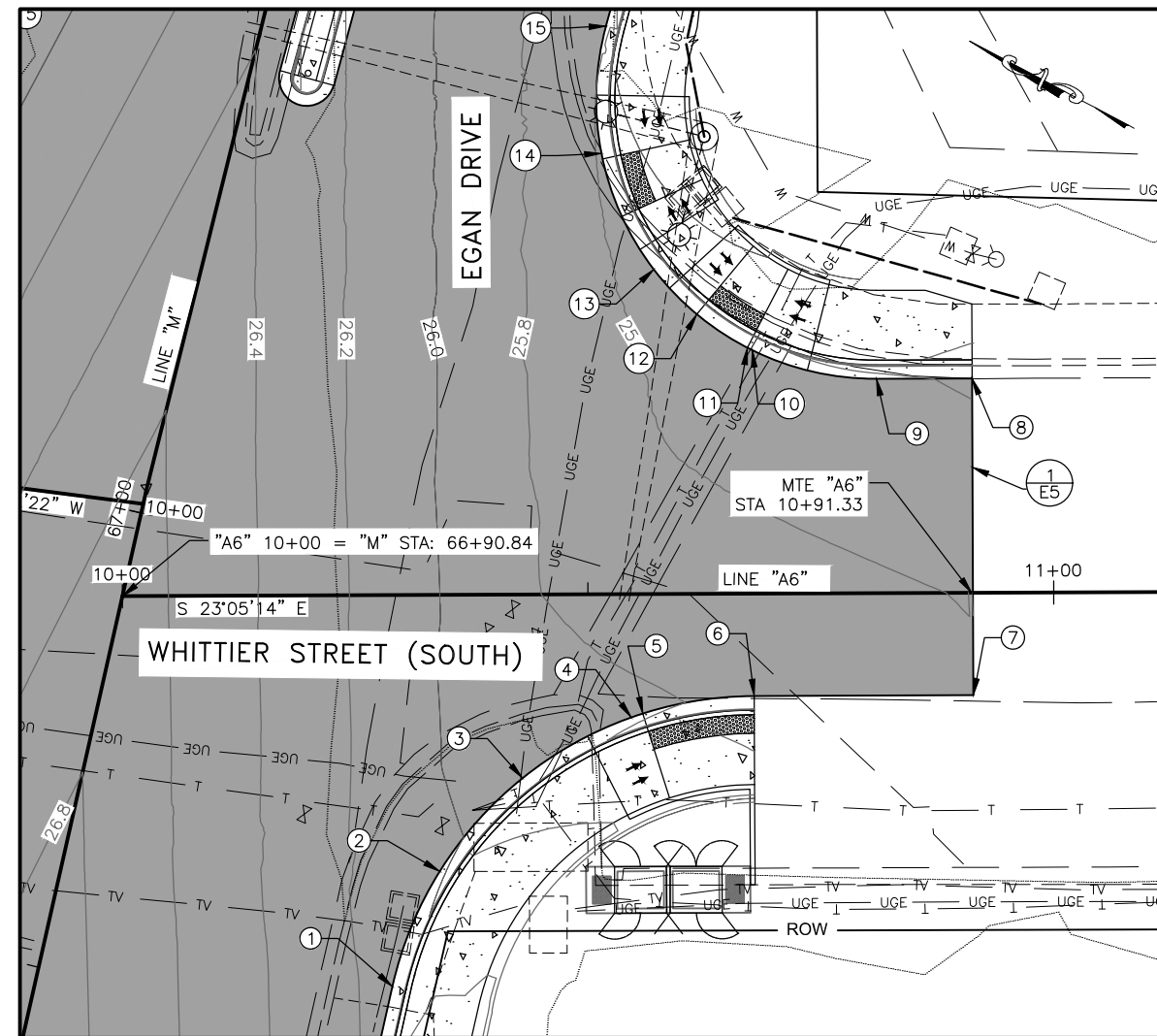
- PEDESTRIAN ISLAND NOTES:**
1. CROWN ISLAND AT CENTER OF SIDEWALK SO DRAINAGE IS OUTWARD, OFF ISLAND.
 2. SEE STANDARD DRAWING, I-21.10
 3. USE PAVEMENT STRUCTURE 2 (SHEET B1) FOR SIDEWALK AND 2' TAPER. USE PAVEMENT STRUCTURE 3 (SHEET B1) FOR REMAINING SURFACE OF ISLAND.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST
INTERSECTIONS

FILE G:\nu\69393\Plmset\69393_G1-G15_Intersection.dwg DATE 8/8/2018 14:39 LAYOUT G9 DESIGNED BP CHECKED CT DRAFTED JT

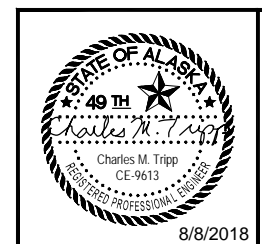
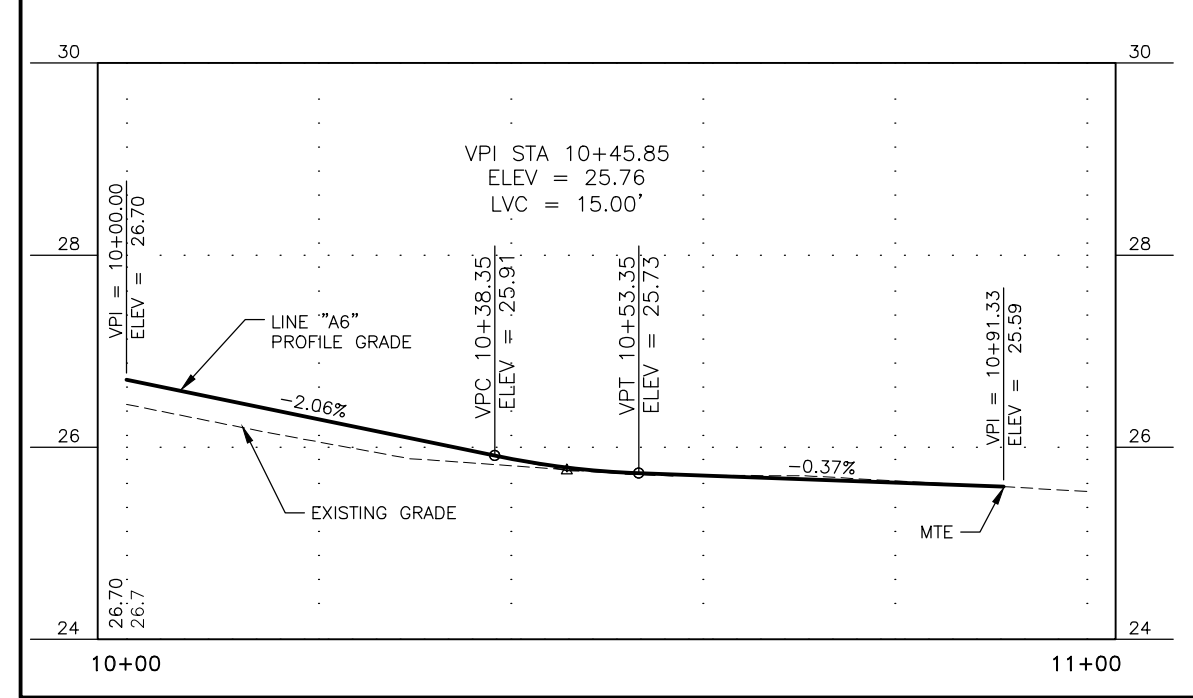
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G9	G15



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	66+56.31'	37.50' RT	26.13'	EOP, PC (BEGIN 40' RADIUS)
2	66+69.50'	39.74' RT	26.03'	EOP
3	66+81.22'	46.21' RT	25.94'	EOP
4	66+90.15'	56.19' RT	25.84'	EOP
5	66+90.80'	57.29' RT	25.83'	EOP (CURB RAMP)
6	66+95.29'	68.55' RT	MTE	EOP, MTE, PC (END 40' RADIUS, CURB RAMP)
7	67+00.56'	91.48' RT	MTE	EOP, MTE
8	67+35.56'	83.16' RT	MTE	EOP, MTE
9	67+33.04'	73.22' RT	25.43'	EOP, PC (BEGIN 30' RADIUS)
10	67+32.80'	59.54' RT	25.48'	EOP
11	67+32.93'	58.95' RT	25.48'	EOP (CURB RAMP)
12	67+35.11'	52.80' RT	25.50'	EOP (CURB RAMP)
13	67+38.65'	47.17' RT	25.53'	EOP
14	67+49.40'	38.69' RT	25.58'	EOP (CURB RAMP)
15	67+62.79'	35.86' RT	25.62'	EOP, PT (END 30' RADIUS)

LAYOUT POINT DESCRIPTIONS

- TBC = TOP BACK OF CURB
- MTE = MATCH TO EXISTING
- RP = RADIUS POINT
- EOP = EDGE OF PAVEMENT
- FOC = FACE OF CURB
- BR = BOTTOM OF RAMP
- PC = POINT OF CURVATURE
- PT = POINT OF TANGENCY



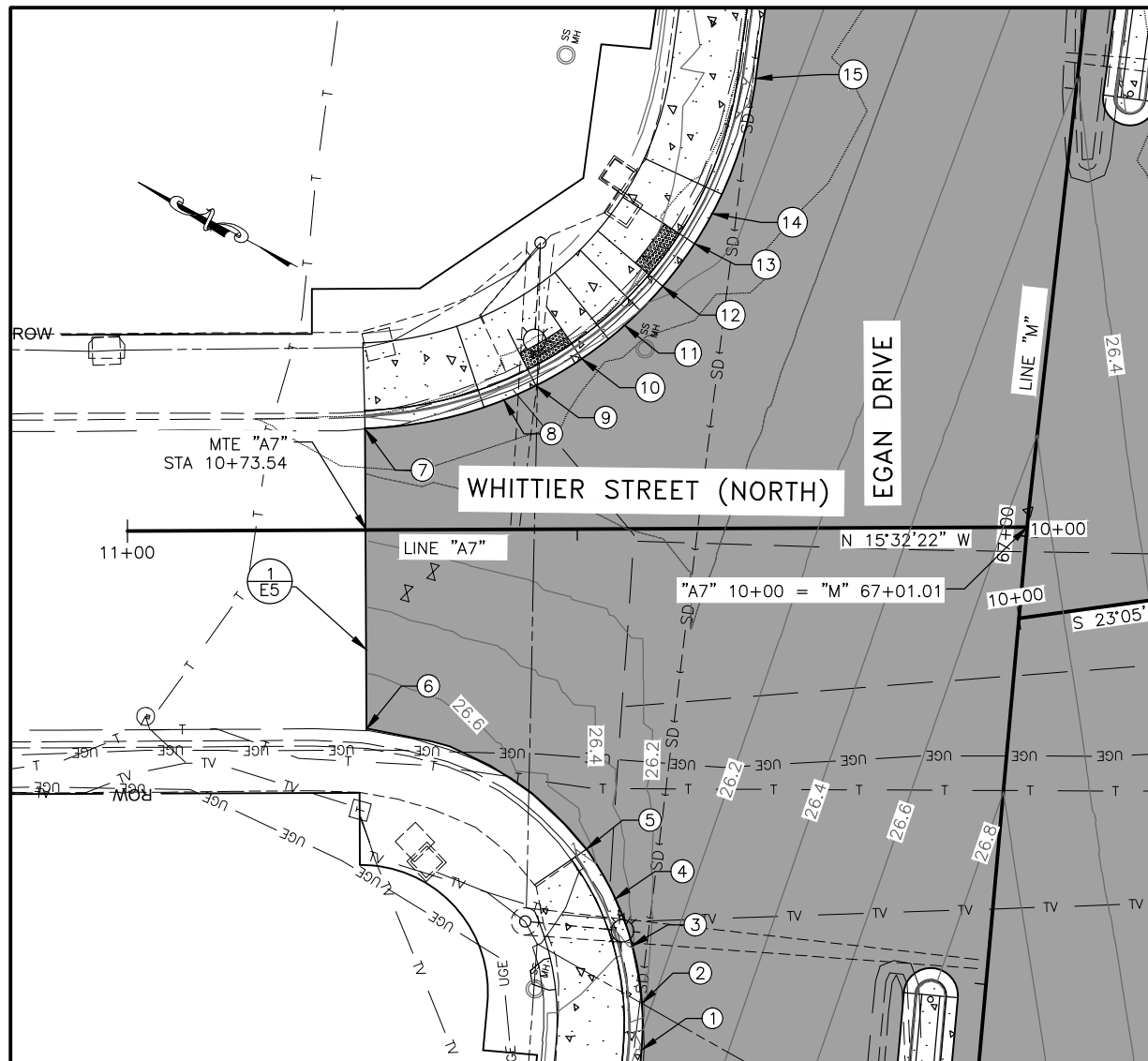
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

INTERSECTIONS

FILE G:\nu\69393\Plmset\69393_G1-G15_intersections.dwg DATE 8/8/2018 14:39 LAYOUT G10 DESIGNED BP CHECKED CT DRAFTED JT

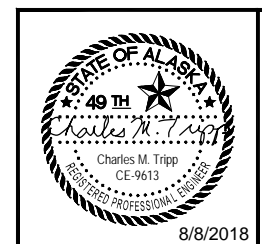
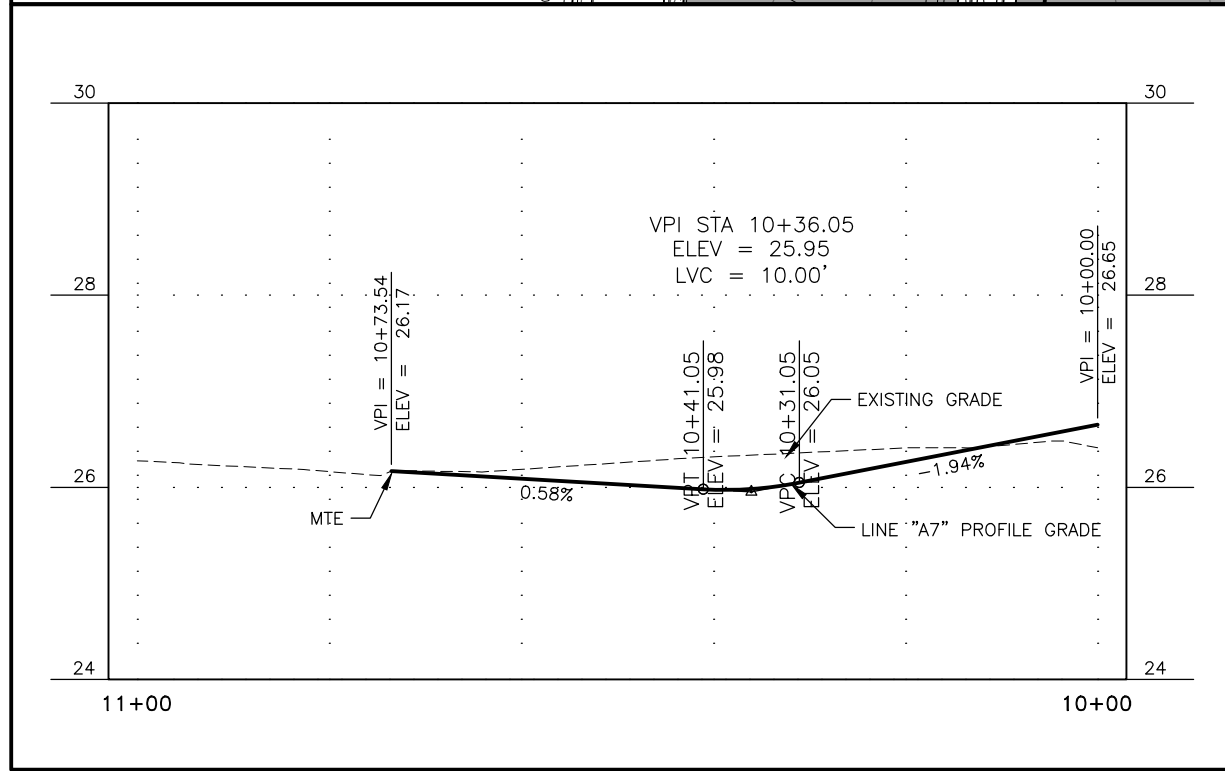
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G10	G15



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	66+39.31'	37.50' LT	26.25'	EOP, PC (BEGIN 33' RADIUS)
2	66+44.47'	37.90' LT	26.21'	EOP
3	66+50.73'	39.59' LT	26.41'	EOP
4	66+55.76'	41.93' LT	26.52'	EOP
5	66+60.97'	45.59' LT	MTE	EOP, MTE
6	66+72.11'	71.14' LT	MTE	EOP, MTE
7	67+03.63'	74.30' LT	25.87'	EOP, PC (BEGIN 45' RADIUS)
8	67+08.55'	59.33' LT	25.86'	EOP
9	67+10.53'	55.97' LT	25.85'	EOP (CURB RAMP)
10	67+14.08'	51.23' LT	25.83'	EOP (CURB RAMP)
11	67+18.29'	46.93' LT	25.81'	EOP
12	67+23.08'	43.20' LT	25.79'	EOP (CURB RAMP)
13	67+28.20'	40.21' LT	25.77'	EOP (CURB RAMP)
14	67+31.72'	38.64' LT	25.76'	EOP
15	67+47.19'	35.50' LT	25.71'	EOP, PT (END 45' RADIUS)

LAYOUT POINT DESCRIPTIONS

TBC = TOP BACK OF CURB
MTE = MATCH TO EXISTING
RP = RADIUS POINT
EOP = EDGE OF PAVEMENT
FOC = FACE OF CURB
BR = BOTTOM OF RAMP
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

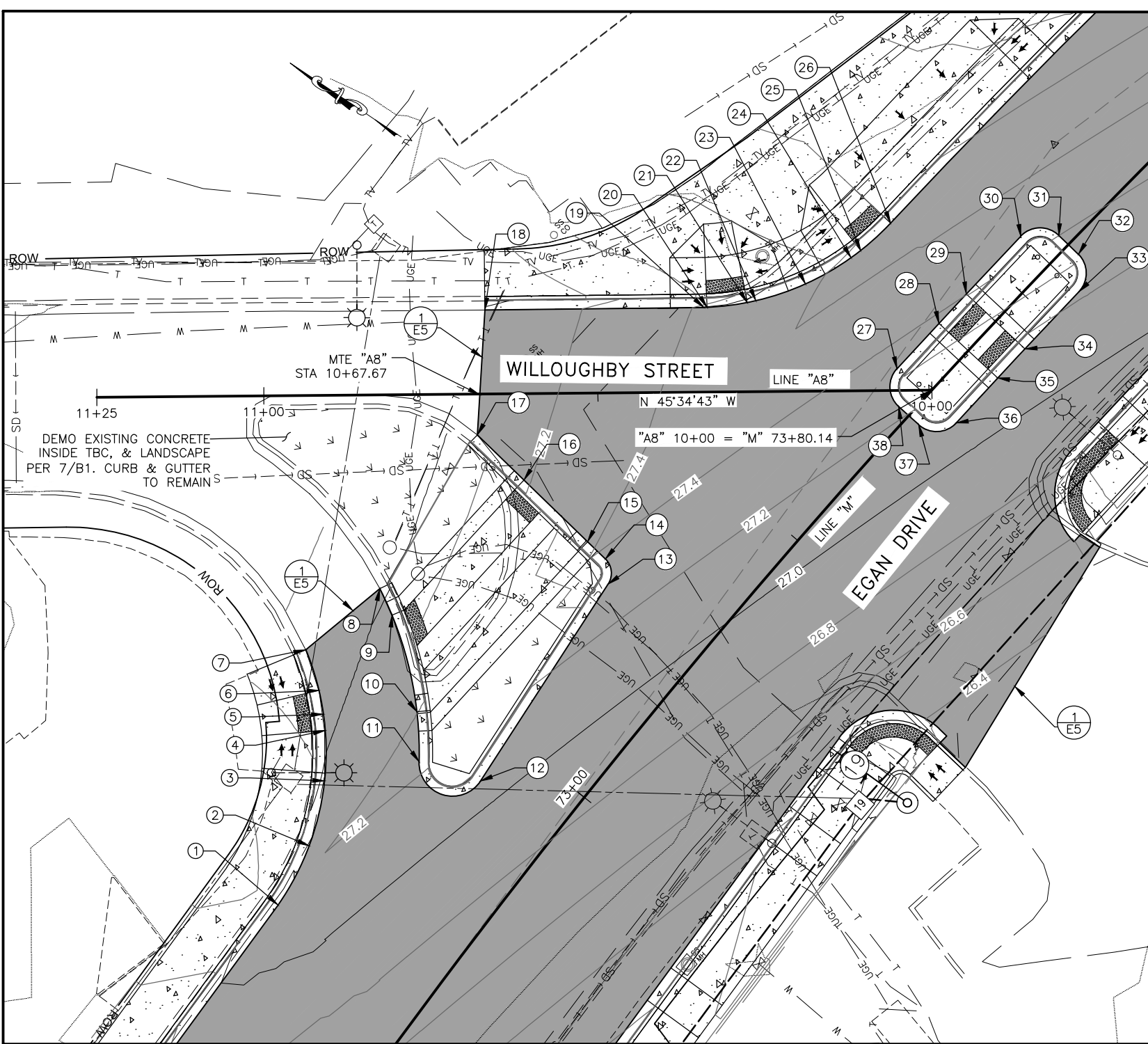
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

INTERSECTIONS

8/8/2018

FILE G:\nu\69393\Plmset\69393_G1-G15_Intersection.dwg DATE 8/8/2018 14:39 LAYOUT G11 DESIGNED BP CHECKED CT DRAFTED JT

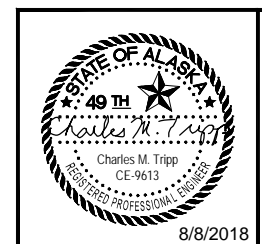
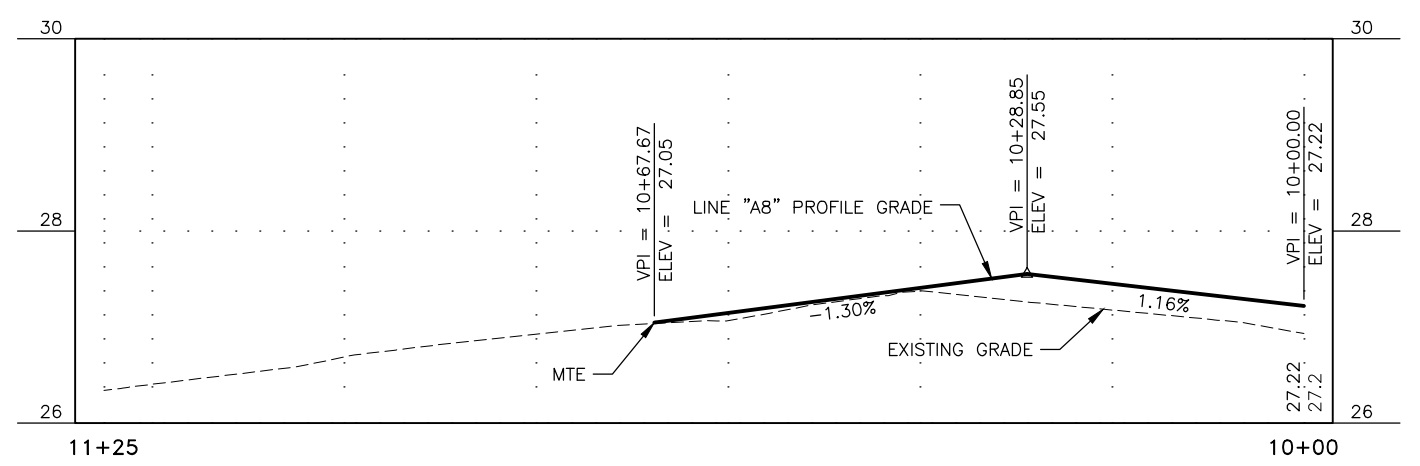
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G11	G15



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	72+59.76'	26.52' LT	27.18'	EOP, PC (BEGIN 40' RADIUS)
2	72+69.40'	28.10' LT	27.11'	EOP
3	72+78.31'	32.15' LT	27.03'	EOP
4	72+84.17'	36.68' LT	26.98'	EOP (CURB RAMP)
5	72+85.88'	38.39' LT	26.96'	EOP
6	72+88.18'	41.10' LT	26.93'	EOP (CURB RAMP)
7	72+91.64'	46.41' LT	MTE	EOP, MTE
8	73+05.18'	43.41' LT	26.98'	EOP, MTE, 54' RADIUS
9	73+03.30'	39.52' LT	27.03'	EOP (CURB RAMP / BIKE LANE)
10	72+94.53'	27.58' LT	27.20'	EOP (CURB RAMP / BIKE LANE)
11	72+88.97'	22.69' LT	27.23'	EOP (END 54' RADIUS, BEGIN 5' RADIUS)
12	72+92.34'	13.70' LT	27.07'	EOP (END 5' RADIUS)
13	73+26.79'	17.40' LT	27.31'	EOP (BEGIN 3' RADIUS)
14	73+29.37'	20.10' LT	27.37'	EOP (END 3' RADIUS)
15	73+29.63'	23.82' LT	27.38'	EOP (CURB RAMP / BIKE LANE)
16	73+30.54'	37.04' LT	27.19'	EOP (CURB RAMP / BIKE LANE)
17	73+31.20'	46.74' LT	MTE	EOP, MTE
18	73+45.54'	58.00' LT	MTE	EOP, MTE
19	73+66.62'	33.59' LT	27.42'	EOP, PC (BEGIN 40' RADIUS)
20	73+66.93'	33.26' LT	27.43'	EOP (CURB RAMP)
21	73+71.37'	29.26' LT	27.48'	EOP (CURB RAMP)
22	73+72.42'	28.48' LT	27.49'	EOP
23	73+79.10'	24.67' LT	27.57'	EOP
24	73+86.47'	22.30' LT	27.64'	EOP
25	73+88.22'	21.98' LT	27.66'	EOP (CURB RAMP)
26	73+94.16'	21.50' LT	27.70'	EOP, PT (END 40' RADIUS)
27	73+78.99'	6.00' LT	27.33'	EOP (END 4' RADIUS FROM NO. 38)
28	73+88.19'	6.00' LT	27.37'	EOP (CURB RAMP)
29	73+94.17'	6.00' LT	27.40'	EOP (CURB RAMP)
30	74+05.98'	6.00' LT	27.46'	EOP (BEGIN 4' RADIUS)
31	74+10.00'	1.95' LT	27.40'	EOP (END 4' RADIUS)
32	74+10.00'	2.09' RT	27.32'	EOP (BEGIN 4' RADIUS)
33	74+06.01'	6.00' RT	27.22'	EOP (END 4' RADIUS)
34	73+94.19'	6.06' RT	27.16'	EOP (CURB RAMP)
35	73+88.17'	6.00' RT	27.14'	EOP (CURB RAMP)
36	73+78.99'	6.00' RT	27.09'	EOP (BEGIN 4' RADIUS)
37	73+75.00'	2.00' RT	27.15'	EOP (END 4' RADIUS)
38	73+75.00'	1.99' LT	27.23'	EOP (BEGIN 4' RADIUS)

LAYOUT POINT DESCRIPTIONS

TBC = TOP BACK OF CURB
MTE = MATCH TO EXISTING
RP = RADIUS POINT
EOP = EDGE OF PAVEMENT
FOC = FACE OF CURB
BR = BOTTOM OF RAMP
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY



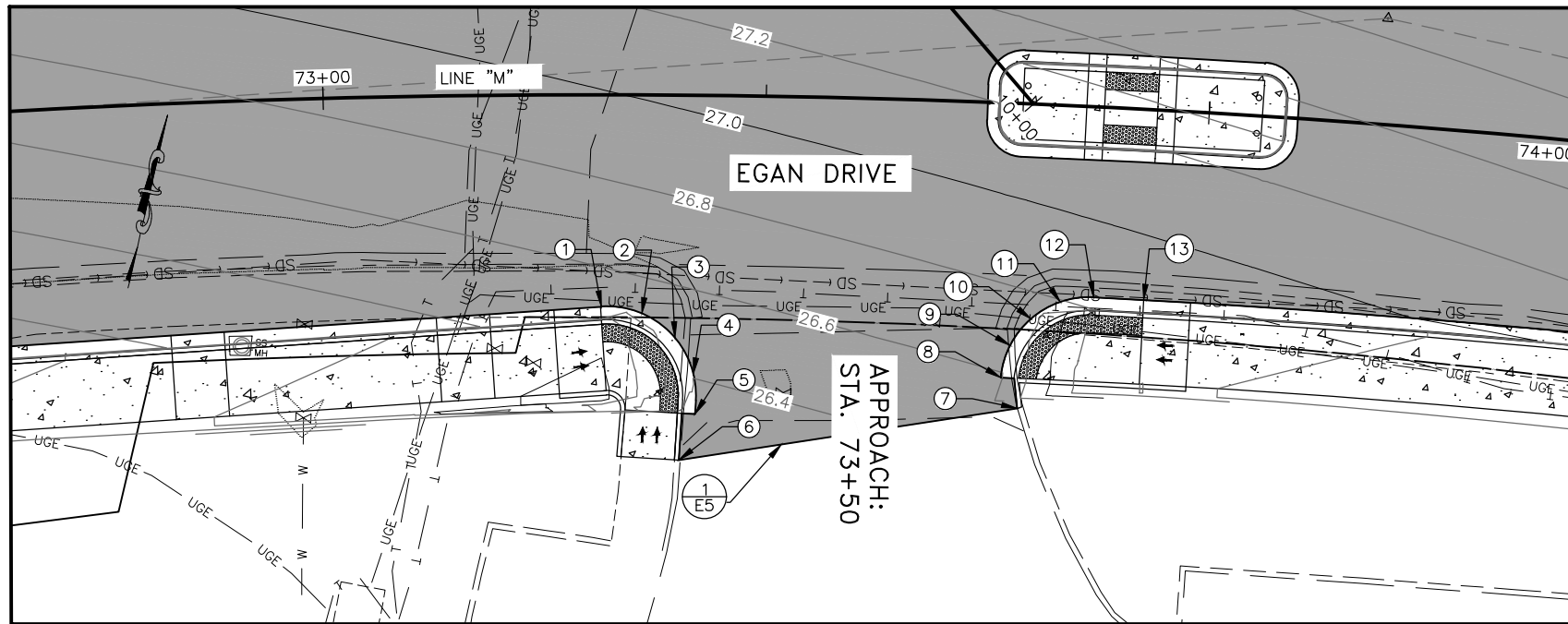
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

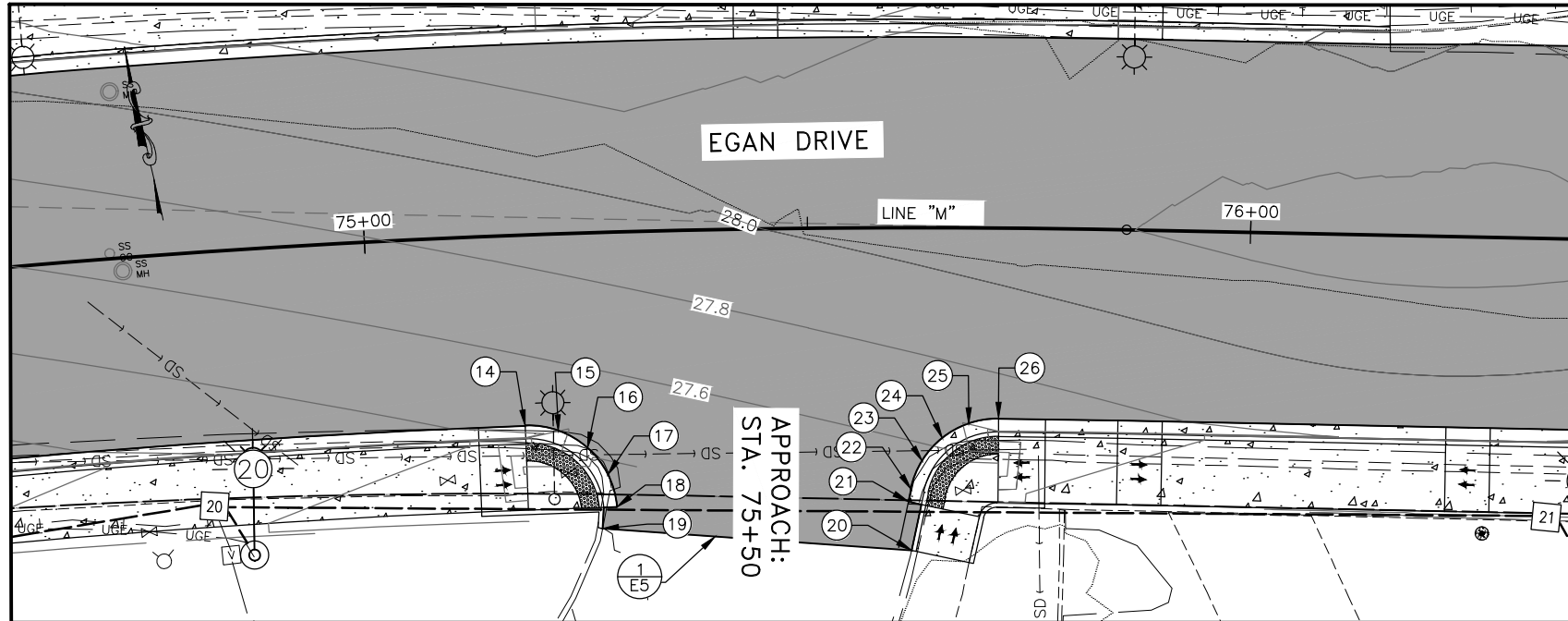
INTERSECTIONS

8/8/2018

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G12	G15



NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	73+31.40'	23.90' RT	26.51'	EOP, PC (BEGIN 10' RADIUS, CURB RAMP)
2	73+36.06'	24.66' RT	26.52'	EOP
3	73+39.89'	27.37' RT	26.48'	EOP
4	73+42.07'	31.42' RT	26.41'	EOP
5	73+42.29'	35.97' RT	26.36	EOP, PT (END 10' RADIUS, CURB RAMP, END CURB)
6	73+40.46'	41.16' RT	MTE	EOP, MTE
7	73+79.75'	34.38' RT	MTE	EOP, MTE
8	73+77.71'	31.00' RT	26.59'	EOP, PC (BEGIN 10' RADIUS, CURB RAMP, BEGIN CURB)
9	73+78.65'	27.32' RT	26.67'	EOP
10	73+80.92'	24.25' RT	26.74'	EOP
11	73+84.18'	22.21' RT	26.79'	EOP
12	73+87.97'	21.50' RT	26.83'	EOP, PT (END 10' RADIUS)
13	73+93.74'	21.51' RT	26.85'	EOP, CURB RAMP



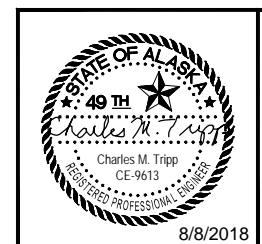
NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
14	75+17.35'	21.50' RT	27.44'	EOP, PC (BEGIN 10' RADIUS, CURB RAMP)
15	75+21.13'	22.21' RT	27.50'	EOP
16	75+24.40'	24.25' RT	27.45'	EOP
17	75+26.67'	27.32' RT	27.42'	EOP
18	75+27.61'	31.00' RT	27.39'	EOP, PT (END 10' RADIUS, CURB RAMP, END CURB)
19	75+25.88'	33.38' RT	MTE	EOP, MTE
20	75+61.76'	36.37' RT	MTE	EOP, MTE
21	75+61.38'	30.89' RT	27.50	EOP (CURB RAMP)
22	75+61.69'	29.47' RT	27.53	EOP, PC (BEGIN 10' RADIUS)
23	75+62.98'	26.30' RT	27.56'	EOP
24	75+65.28'	23.74' RT	27.62'	EOP
25	75+68.32'	22.08' RT	27.67'	EOP
26	75+71.74'	21.45' RT	27.70'	EOP, PT (END 10' RADIUS, CURB RAMP)

LAYOUT POINT DESCRIPTIONS

TBC = TOP BACK OF CURB
MTE = MATCH TO EXISTING
RP = RADIUS POINT
EOP = EDGE OF PAVEMENT
FOC = FACE OF CURB
BR = BOTTOM OF RAMP
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY

NOTES:

1. CURB AND GUTTER LAYOUT POINT ELEVATIONS ARE TO TOP BACK OF STANDARD CURB AND GUTTER DIMENSIONS, STD. DWG. I-20.14. TOP BACK OF CURB ELEVATIONS SHALL BE ADJUSTED TO CONSTRUCT CURB RAMPS AND LANDINGS.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

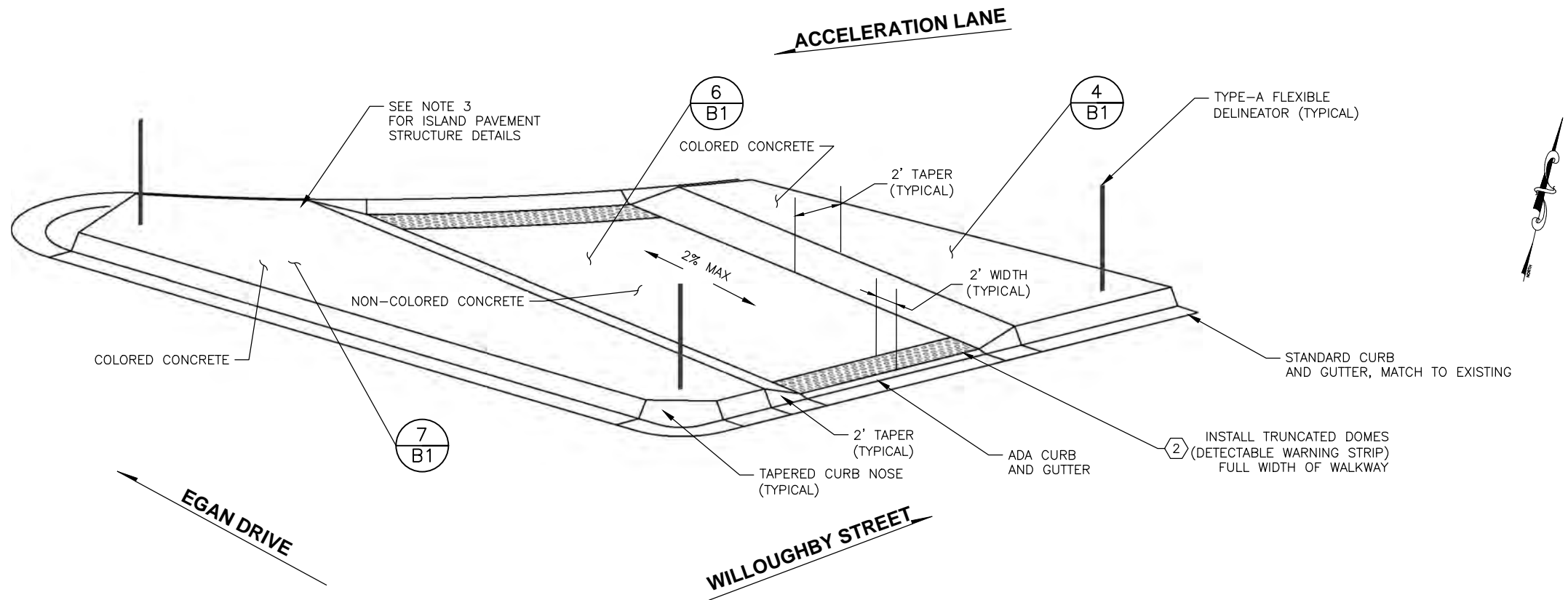
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

INTERSECTIONS

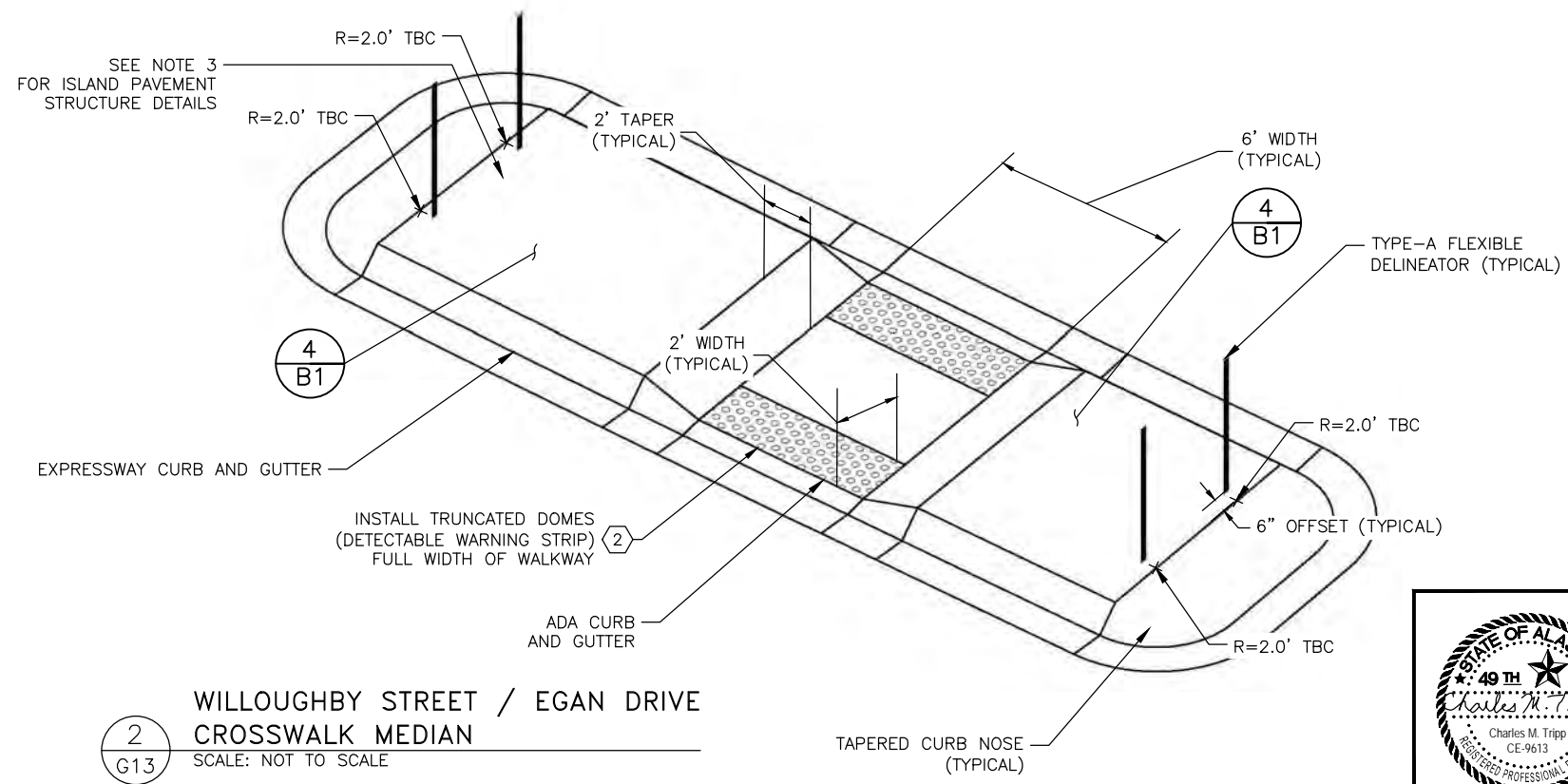
8/8/2018

FILE G:\nu\69393\Plmset\69393_G1-G15_Intersection.dwg DATE 8/8/2018 14:39 LAYOUT G12 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	G13	G15



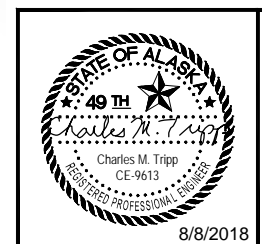
1
G13
WILLOUGHBY STREET / EGAN DRIVE
PEDESTRIAN ISLAND
SCALE: NOT TO SCALE



2
G13
WILLOUGHBY STREET / EGAN DRIVE
CROSSWALK MEDIAN
SCALE: NOT TO SCALE

PEDESTRIAN & CROSSWALK ISLAND NOTES:

1. CROWN ISLAND AT CENTER OF SIDEWALK SO DRAINAGE IS OUTWARD, OFF ISLAND.
2. SEE STANDARD DRAWING, I-21.10
3. USE PAVEMENT STRUCTURE 2 (SHEET B1).

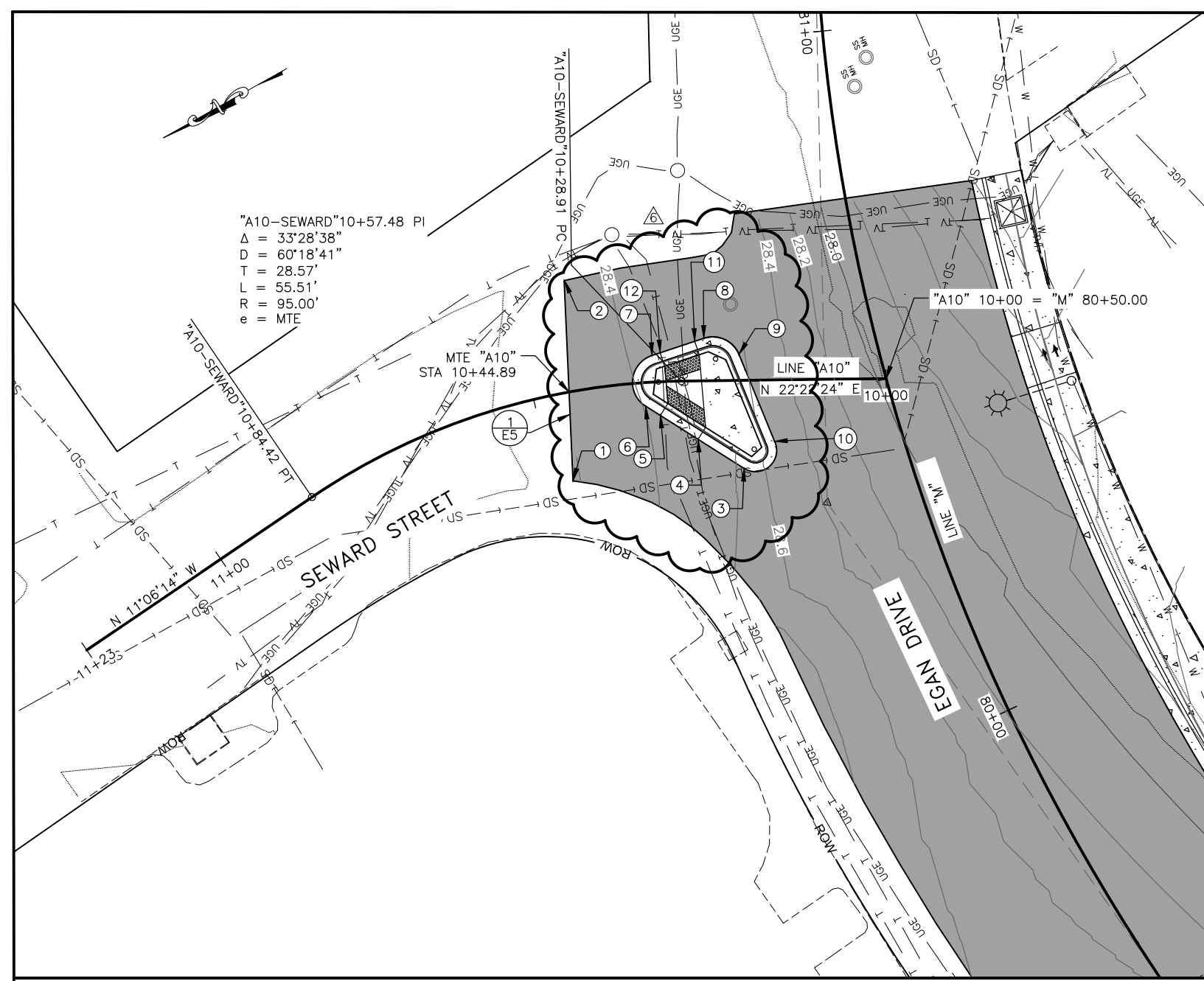


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

INTERSECTIONS
8/8/2018

FILE G:\nu\69393\Plmset\69393_G1-G15_in\sections.dwg DATE 8/8/2018 14:39 LAYOUT G13 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
76	1/31/19	REMOVED CURB RAMP	ALASKA	-----	2018	G14	G15

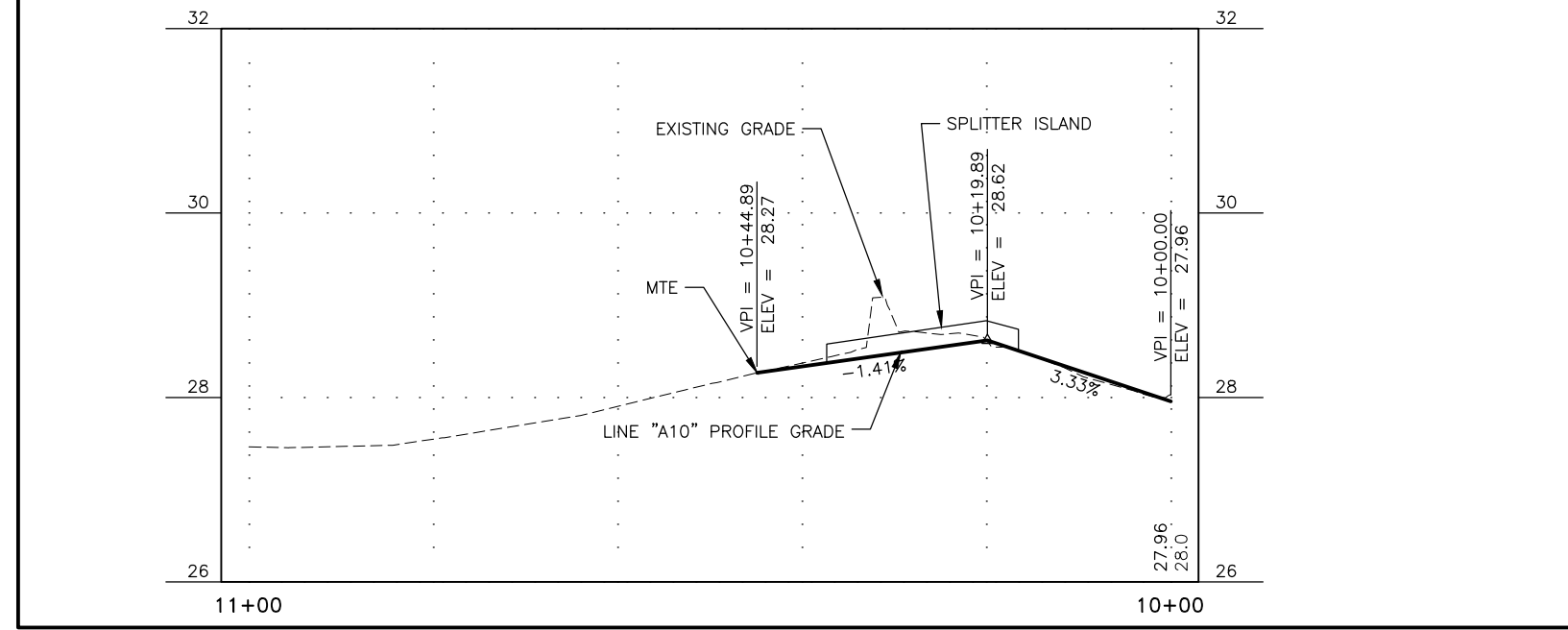


"A10-SEWARD" 10+57.48 PI
 $\Delta = 33^\circ 28' 38''$
 $D = 60' 18' 41''$
 $T = 28.57'$
 $L = 55.51'$
 $R = 95.00'$
 $e = \text{MTE}$

NO.	STATION	OFFSET	ELEVATION	DESCRIPTION
1	80+48.06'	46.49' LT	MTE	EOP, MTE
2	80+72.24'	41.14' LT	MTE	EOP, MTE
3	80+43.56'	22.78' LT	28.63'	EOP (END 3' RADIUS FROM NO. 10)
4	80+48.86'	27.90' LT	28.50'	EOP (CURB RAMP)
5	80+53.08'	32.15' LT	28.45'	EOP (CURB RAMP)
6	80+54.66'	33.83' LT	28.41'	EOP (BEGIN 4' RADIUS)
7	80+60.74'	31.26' LT	28.45'	EOP (END 4' RADIUS)
8	80+61.38'	23.58' LT	28.56'	EOP (BEGIN 4' RADIUS)
9	80+58.25'	19.27' LT	28.60'	EOP (END 4' RADIUS)
10	80+45.85'	17.57' LT	28.54'	EOP (BEGIN 3' RADIUS)
11	80+61.27'	24.93' LT	28.54'	EOP (CURB RAMP)
12	80+60.85'	29.91' LT	28.47'	EOP (CURB RAMP)

LAYOUT POINT DESCRIPTIONS

TBC = TOP BACK OF CURB
MTE = MATCH TO EXISTING
RP = RADIUS POINT
EOP = EDGE OF PAVEMENT
FOC = FACE OF CURB
BR = BOTTOM OF RAMP
PC = POINT OF CURVATURE
PT = POINT OF TANGENCY



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS
MAIN ST TO 10TH ST**

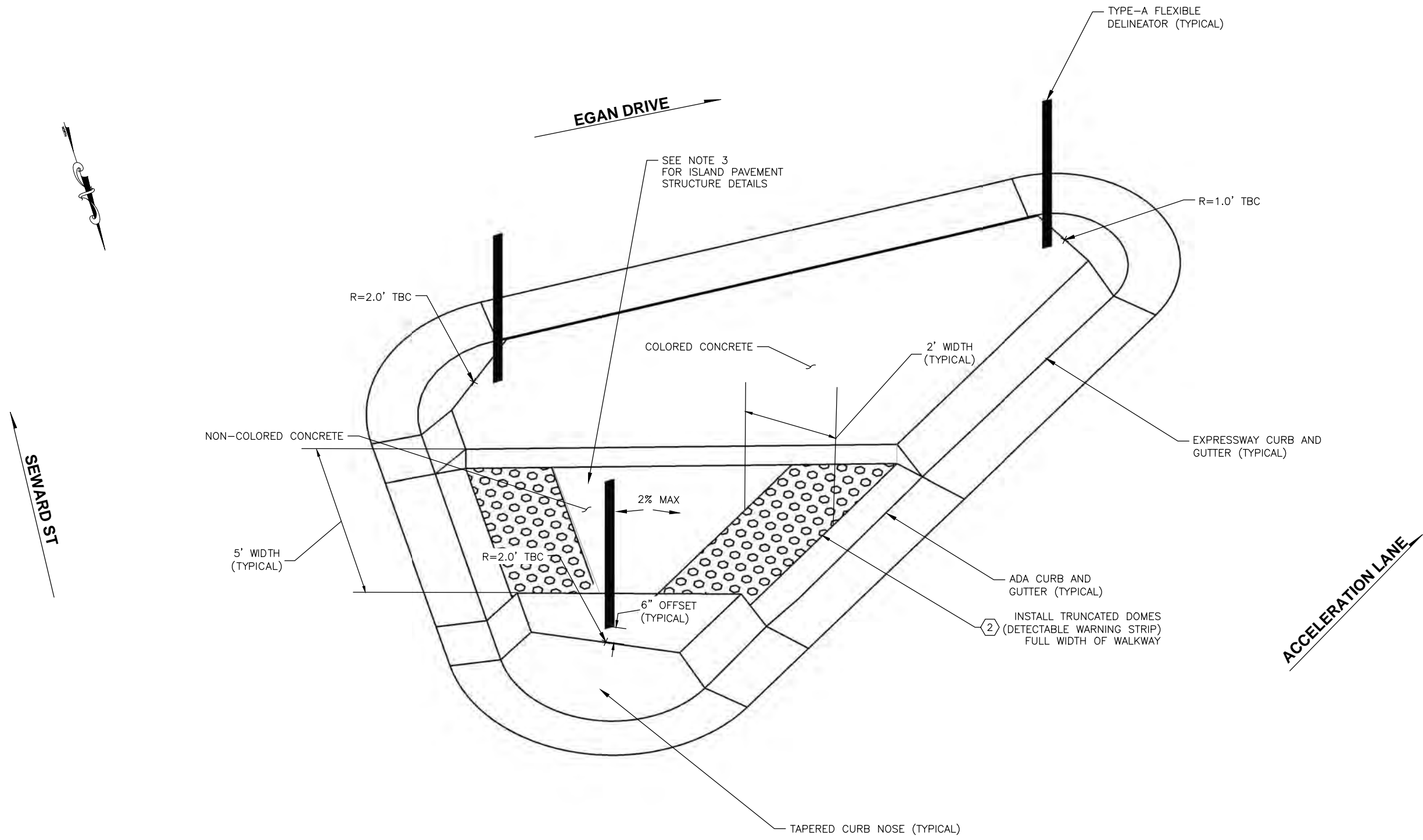
INTERSECTIONS

FILE q:\hnu\69393\Planset\ADDENDUM\addendum\6\69393_G1-G15_Intersections.dwg DATE 1/31/2019 15:16 LAYOUT G14 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7	1/31/19	REMOVED CURB RAMP	ALASKA	----	2018	G15	G15



FILE q:\jhu\69393\PlanSet\ADDENDUM\addendum\6\69393_G1-G15_Intersections.dwg DATE 1/31/2019 15:16 LAYOUT G15 DESIGNED BP CHECKED CT DRAFTED JT

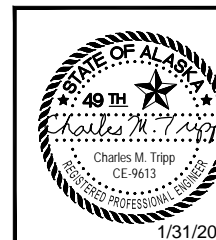


PEDESTRIAN ISLAND NOTES:

1. CROWN ISLAND AT CENTER OF SIDEWALK SO DRAINAGE IS OUTWARD, OFF ISLAND.
2. SEE STANDARD DRAWING, I-21.10
3. USE PAVEMENT STRUCTURE 6 (SHEET B1).

1
G15

SEWARD STREET / EGAN DRIVE
PEDESTRIAN ISLAND
SCALE: NOT TO SCALE

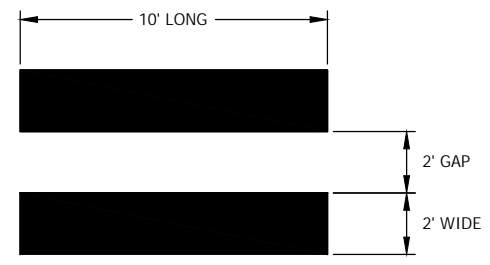


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS
MAIN ST TO 10TH ST**

INTERSECTIONS

FILE q:\nu\69393\PlanSet\ADDENDUM\addendum\6\69393_H1-H7_SignStriping.dwg
 DATE 1/31/2019 14:22 LAYOUT H1 DESIGNED NG,DP CHECKED CT DRAFTED NG,RC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	9/27/18	ADD GORE MARKING	ALASKA	NH-0932(047)/69393	2018	H1	H7
2	1/31/19	ADJUST LUMINARIES					

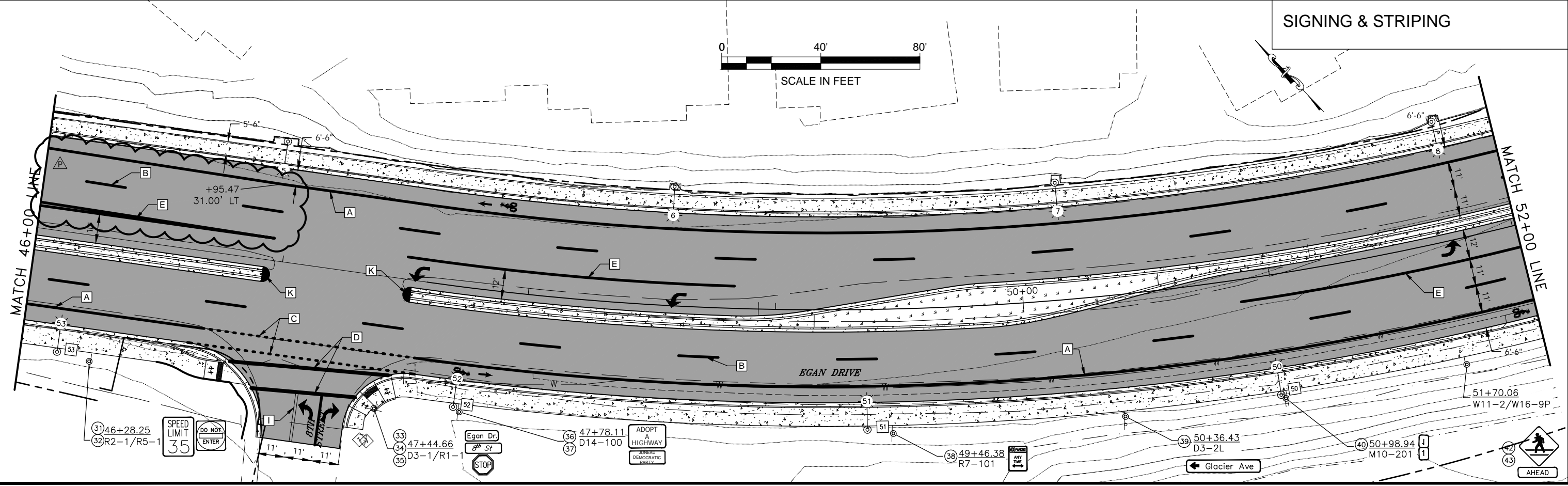
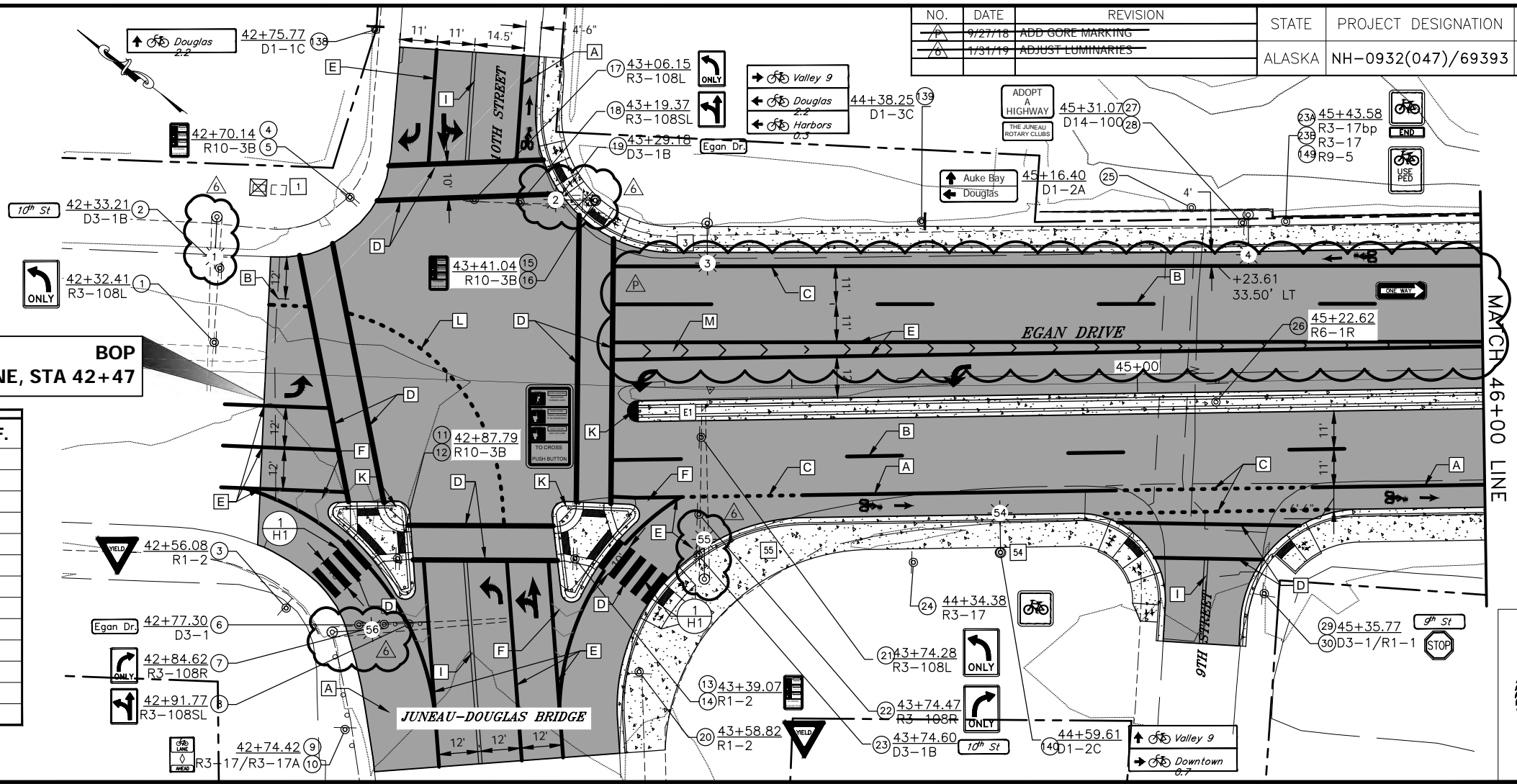


1 LONGITUDINAL CROSSWALK DETAIL
 SCALE: N.T.S.
 GAP MAY BE ADJUSTED TO 3' MAX SO MARKING IS OUTSIDE OF THE WHEEL PATH

STRIPING LEGEND

SYMBOL	DESCRIPTION	WIDTH	PATTERN	L.F.
A	SOLID WHITE	6"	—	--
B	BROKEN WHITE	4"	— 10' —30' —10'	--
C	DASHED WHITE	6"	— 2' —6' —2'	--
D	SOLID WHITE	24"	—	--
E	SOLID WHITE	8"	—	--
F	SOLID WHITE	18"	—	--
G	BROKEN YELLOW	4"	— 10' —30' —10'	--
H	BROKEN YELLOW	4"	— 10' —30' —10'	--
I	SOLID DOUBLE YELLOW	4"	—	--
J	SOLID YELLOW	18"	—	--
K	YELLOW CURB	--	—	--
L	DASHED WHITE	4"	— 2' —6' —2'	--
M	SOLID WHITE 45° DIAGONAL	18"	—	--

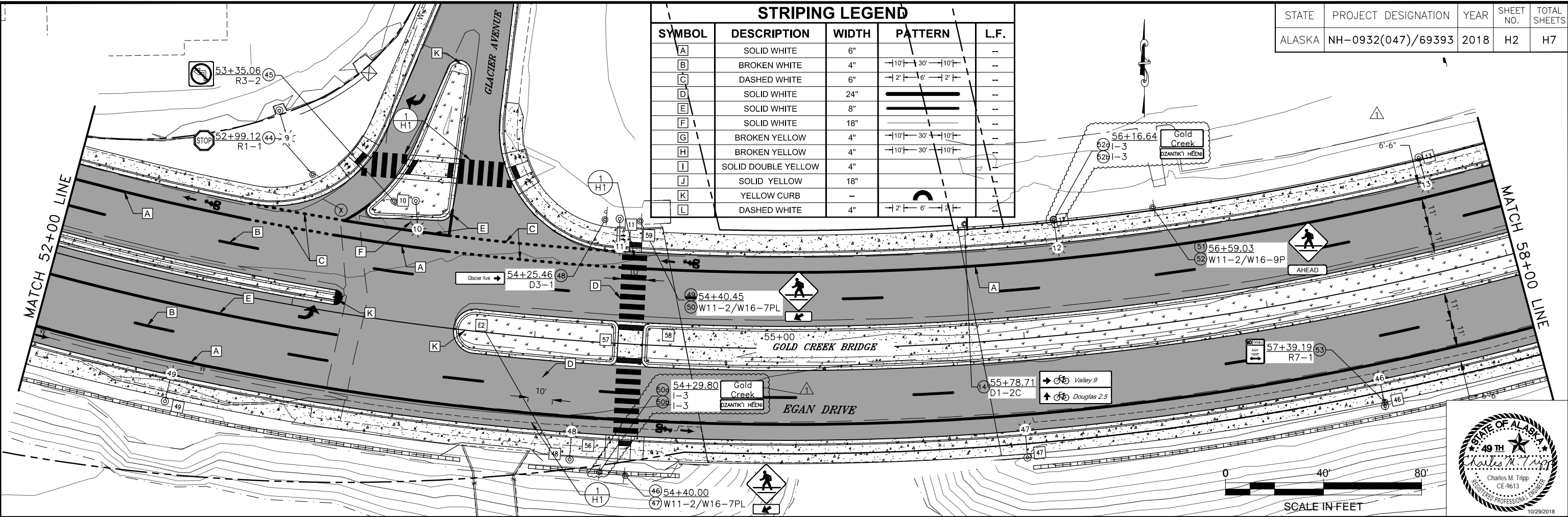
BOP
"M" LINE, STA 42+47



FILE Q:\nu\69393\PlanSet\69393-H1-H7_SignStrippe.dwg DATE 10/16/2018 15:43 LAYOUT H2 DESIGNED NG,DP CHECKED CT DRAFTED NG,RG

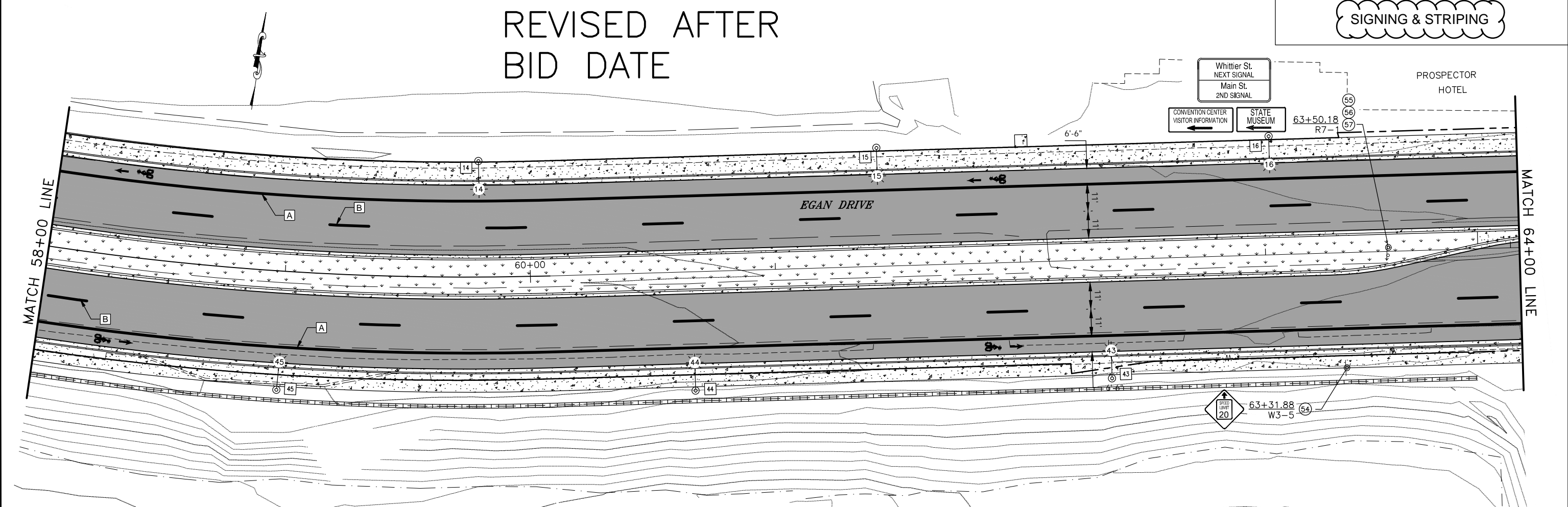
STRIPING LEGEND				
SYMBOL	DESCRIPTION	WIDTH	PATTERN	L.F.
A	SOLID WHITE	6"	—	--
B	BROKEN WHITE	4"	— 10' —30' —10'	--
C	DASHED WHITE	6"	— 2' —6' —2'	--
D	SOLID WHITE	24"	—	--
E	SOLID WHITE	8"	—	--
F	SOLID WHITE	18"	—	--
G	BROKEN YELLOW	4"	— 10' —30' —10'	--
H	BROKEN YELLOW	4"	— 10' —30' —10'	--
I	SOLID DOUBLE YELLOW	4"	—	--
J	SOLID YELLOW	18"	—	--
K	YELLOW CURB	—	—	--
L	DASHED WHITE	4"	— 2' —6' —2'	--

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	H2	H7



REVISED AFTER
BID DATE

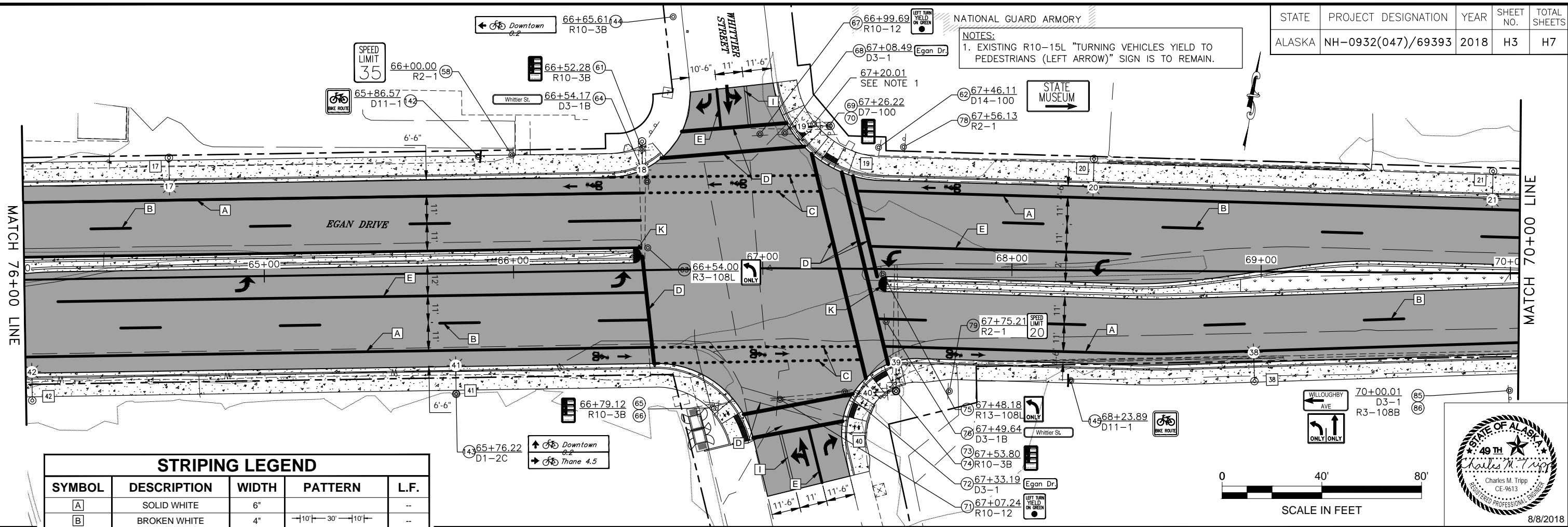
SIGNING & STRIPING



FILE Q:\nu\69393\PlanSet\69393-H1-H7_SignStrippe.dwg DATE 8/8/2018 16:00 LAYOUT H3 DESIGNED NG,DP CHECKED CT DRAFTED NG,RC

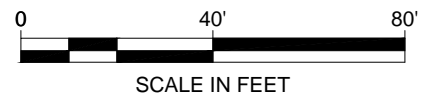
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	H3	H7

NOTES:
1. EXISTING R10-15L "TURNING VEHICLES YIELD TO PEDESTRIANS (LEFT ARROW)" SIGN IS TO REMAIN.

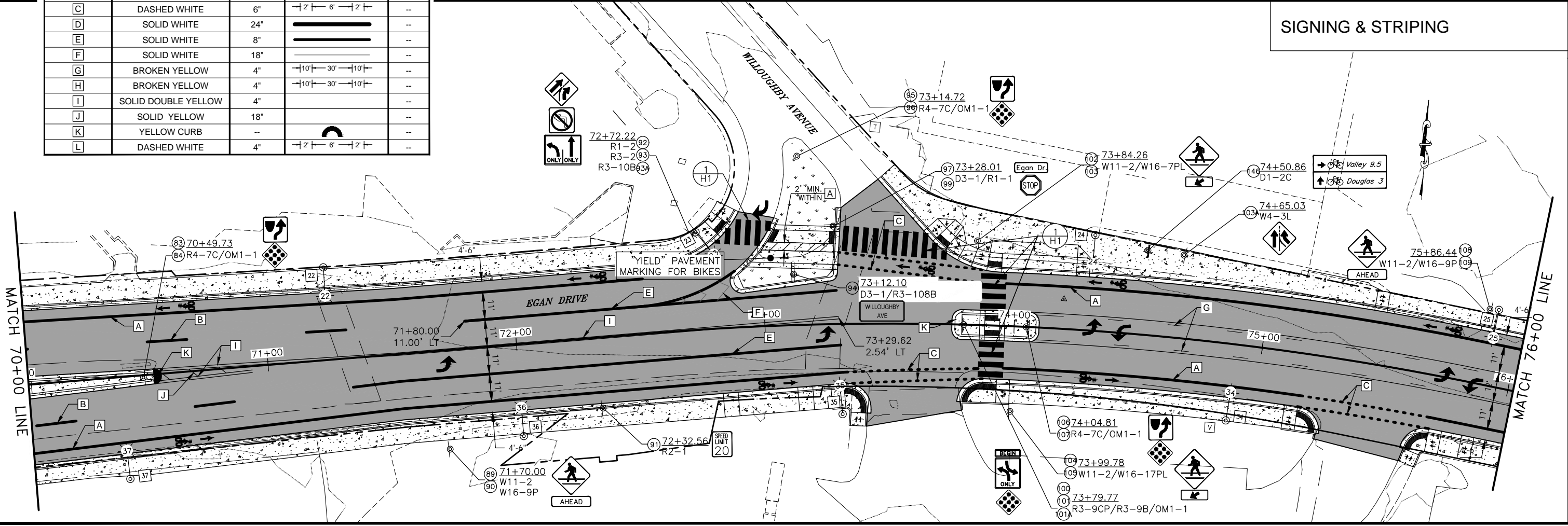


STRIPING LEGEND

SYMBOL	DESCRIPTION	WIDTH	PATTERN	L.F.
A	SOLID WHITE	6"	—	--
B	BROKEN WHITE	4"	— 10' —30' —10' —	--
C	DASHED WHITE	6"	— 2' —6' —2' —	--
D	SOLID WHITE	24"	—	--
E	SOLID WHITE	8"	—	--
F	SOLID WHITE	18"	—	--
G	BROKEN YELLOW	4"	— 10' —30' —10' —	--
H	BROKEN YELLOW	4"	— 10' —30' —10' —	--
I	SOLID DOUBLE YELLOW	4"	—	--
J	SOLID YELLOW	18"	—	--
K	YELLOW CURB	--	—	--
L	DASHED WHITE	4"	— 2' —6' —2' —	--

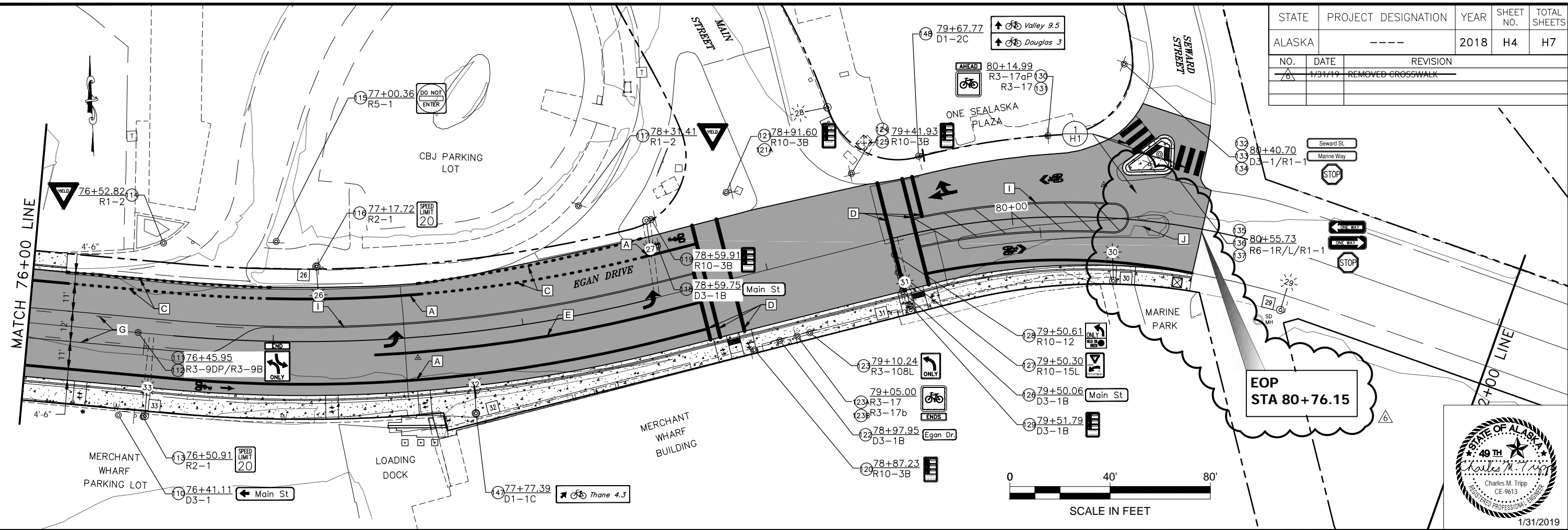


SIGNING & STRIPING



FILE q:\hnu\69393\PlanSet\ADDENDUM\addendum_6\69393_H1-H7_SignStripe.dwg DATE 1/31/2019 14:58 LAYOUT H4 DESIGNED NG,DP CHECKED CT DRAFTED NG,RG

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	---	2018	H4	H7
NO.	DATE	REVISION		
1	1/31/19	REMOVED CROSSWALK		



EOP
STA 80+76.15



SIGNING & STRIPING

STRIPING LEGEND

SYMBOL	DESCRIPTION	WIDTH	PATTERN	L.F.
A	SOLID WHITE	6"	—	--
B	BROKEN WHITE	4"	- 10 -30- 10 -	--
C	DASHED WHITE	6"	- 2 -6- 2 -	--
D	SOLID WHITE	24"	—————	--
E	SOLID WHITE	8"	—————	--
F	SOLID WHITE	18"	—————	--
G	BROKEN YELLOW	4"	- 10 -30- 10 -	--
H	BROKEN YELLOW	4"	- 10 -30- 10 -	--
I	SOLID DOUBLE YELLOW	4"	—————	--
J	SOLID YELLOW	18"	—————	--
K	YELLOW CURB	--	⤶	--
L	DASHED WHITE	4"	- 2 -6- 2 -	--

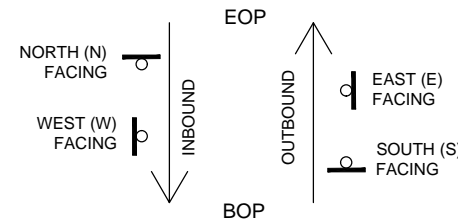
FILE G:\nu\69393\Plmset\69393_H1-H7_SignStrippe.dwg DATE 10/16/2018 15:43 LAYOUT H5 DESIGNED NG CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/15/18	ADD NEW SIGNS	ALASKA	NH-0932(047)/69393	2018	H5	H7

615.0001.0000 STANDARD SIGN

NO.	STATION	OFFSET	DESCRIPTION	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	POST	SIGN FACING	REMARKS
1	STA 42+33	LT	LEFT TURN ONLY	R3-108L	30	36	7.50		E	MOUNT ON SIGNAL MAST ARM
2	STA 42+33	LT	10TH ST	D3-1B	54	18	6.75		E	MOUNT ON SIGNAL MAST ARM-8" UC/6" LC D-FONT
3	STA 42+56	RT	YIELD	R1-2	36	36	9.00	2.5 PST	W	
4	STA 42+70	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		E	MOUNT ON PED. POLE
5	STA 42+70	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		W	MOUNT ON PED. POLE
6	STA 42+77	RT	EGAN DR	D3-1	54	18	6.75		N	MOUNT ON SIGNAL MAST ARM-8" UC/6" LC D-FONT
7	STA 42+85	RT	LEFT TURN ONLY	R3-108R	30	36	7.50		N	MOUNT ON SIGNAL MAST ARM-NEW SIGN NUMBER PER 2015 ASDS
8	STA 42+92	RT	STRAIGHT & LEFT	R3-108SL	30	36	7.50		N	MOUNT ON SIGNAL MAST ARM-NEW SIGN NUMBER PER 2015 ASDS
9	STA 42+75	RT	BIKE LANE	R3-17	30	24	5.00	2.5 PST	N	
10	STA 42+75	RT	AHEAD	R3-17A	30	12	2.50		N	MOUNT BELOW SIGN NO. 9
11	STA 42+88	RT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		W	MOUNT ON PED. POLE
12	STA 42+88	RT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		E	MOUNT ON PED. POLE
13	STA 43+39	RT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		W	MOUNT ON PED. POLE
14	STA 43+39	RT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		E	MOUNT ON PED. POLE
15	STA 43+41	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		W	MOUNT ON SIGNAL POLE
16	STA 43+41	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		S	MOUNT ON SIGNAL POLE
17	STA 43+06	LT	LEFT TURN ONLY	R3-108L	30	36	7.50		S	MOUNT ON SIGNAL MAST ARM-NEW SIGN NUMBER PER 2015 ASDS
18	STA 43+19	LT	STRAIGHT & LEFT	R3-108SL	30	36	7.50		S	MOUNT ON SIGNAL MAST ARM-NEW SIGN NUMBER PER 2015 ASDS
19	STA 43+29	LT	EGAN DR	D3-1B	54	18	6.75		S	MOUNT ON SIGNAL MAST ARM-8" UC/6" LC D-FONT
20	STA 43+59	RT	YIELD	R1-2	36	36	9.00	2.5 PST	S	
21	STA 43+74	RT	LEFT TURN ONLY	R3-108L	30	36	7.50		W	MOUNT ON SIGNAL MAST ARM-NEW SIGN NUMBER PER 2015 ASDS
22	STA 43+74	RT	RIGHT TURN ONLY	R3-108R	30	36	7.50		W	MOUNT ON SIGNAL MAST ARM-NEW SIGN NUMBER PER 2015 ASDS
23	STA 43+75	RT	10TH ST	D3-1B	54	18	6.75		W	MOUNT ON SIGNAL MAST ARM-8" UC/6" LC D-FONT
23A	STA 43+74	LT	END (PLAQUE)	R3-17bP	18	8	1.00	2.5 PST	S	MOUNT ON LIGHT POLE BELOW SIGN NO. 23b
23B	STA 43+74	LT	BICYCLE GUIDE (SYMBOL)	R3-17	18	18	2.25		S	MOUNT ON LIGHT POLE BELOW SIGN NO. 23a
24	STA 44+35	RT	BIKE LANE	R3-17	30	36	7.50	2.5 PST	W	
25	STA 45+16	LT	A AUKE BAY 11 // < DOUGLAS 2	D1-2A	90	42	26.25	2.5 PST (2)	E	8" UC/6" LC D-FONT
26	STA 45+23	CL	ONE WAY (RIGHT ARROW)	R6-1R	36	12	3.00	2.5 PST	S	
27	STA 45+31	LT	ADOPT A HIGHWAY	D14-100	30	24	5.00		E	4" UC C-FONT; MOUNT ON LIGHT POLE
28	STA 45+31	LT	THE JUNEAU ROTARY CLUBS	D14-100	30	12	2.50		E	3" UC C-FONT; MOUNT BELOW SIGN NO. 27
29	STA 45+36	RT	9TH ST	D3-1	36	12	3.00		E/W	DOUBLE-SIDED LEGEND, 6" UC/4" LC C-FONT
30	STA 45+36	RT	STOP	R1-1	30	30	6.25	2.5 PST	S	MOUNT BELOW SIGN NO. 29
31	STA 46+58	RT	SPEED LIMIT 35	R2-1	30	36	7.50	2.5 PST	W	
32	STA 46+58	RT	DO NOT ENTER	R5-1	36	36	9.00		E	
33	STA 47+45	RT	EGAN DR	D3-1	24	8	1.33	2.5 PST	S	DOUBLE-SIDED LEGEND, 4" UC / 3" LC C-FONT
34	STA 47+45	RT	8TH ST	D3-1	36	12	3.00		E/W	DOUBLE-SIDED LEGEND, 6" UC/4" LC C-FONT, MOUNT BELOW SIGN NO. 33
35	STA 47+45	RT	STOP	R1-1	30	30	6.25		S	MOUNT BELOW SIGN NO. 34
36	STA 47+78	RT	ADOPT A HIGHWAY	D14-100	30	24	5.00	2.5 PST	W	4" UC C-FONT
37	STA 47+78	RT	JUNEAU DEMOCRATIC PARTY	D14-100	36	12	3.00		W	3" UC C-FONT; "JUNEAU" ON TOP LINE, "DEMOCRATIC PARTY" ON BOTTOM LINE. MOUNT BELOW SIGN NO. 36
38	STA 49+46	RT	NO PARKING ANY TIME	R7-101	12	18	1.50	2.5 PST	W	RED LEGEND ON WHITE BACKGROUND; USE TWO-WAY ARROW
39	STA 50+36	RT	< GLACIER AVE	D3-2L	84	18	10.50	2.5 PST (2)	W	8" UC/6" LC D-FONT
40	STA 50+99	RT	MILE 1	M10-201	14	18	1.75	2.5 PST	E/W	TWO D10-201 SIGNS MOUNTED BACK TO BACK; LETTERS ALL 4" **US** B-FONT; NUMBER 6" D-FONT
41										
42	STA 41+70	RT	PEDESTRIAN TRAFFIC	W11-2	36	36	9.00	2.5 PST	W	
43	STA 41+70	RT	AHEAD (PLAQUE)	W16-9P	36	24	6.00		W	MOUNT BELOW SIGN NO. 42
44	STA 52+99	LT	STOP	R1-1	30	30	6.25	2.5 PST	N	
45	STA 53+35	LT	NO LEFT TURN (SYMBOL)	R3-2	30	30	6.25	2.5 PST	N	
46	STA 54+40	RT	PEDESTRIAN TRAFFIC	W11-2	36	36	9.00	2.5 PST	W	
47	STA 54+40	RT	LEFT DIAGONAL ARROW (PLAQUE)	W16-7PL	30	18	3.75		W	MOUNT BELOW SIGN NO. 46
48	STA 54+25	LT	GLACIER AVE >	D3-1	84	18	10.50	2.5 PST (2)	E	8" UC/6" LC D-FONT
49	STA 54+40	LT	PEDESTRIAN TRAFFIC	W11-2	36	36	9.00	2.5 PST	E	8" UC/6" LC D-FONT
50	STA 54+40	LT	LEFT DIAGONAL ARROW (PLAQUE)	W16-7PL	30	18	3.75		E	MOUNT BELOW SIGN NO. 49
50A	STA 54+29	RT	GOLD CREEK	I-3	30	18	3.75	2.5 PST	W	4" UC / 3" LC E-MOD FONT
50B	STA 54+29	RT	DZANTIK'I HEENI	I-3	30	5.5	1.15		W	MOUNT BELOW SIGN NO. 50A, 3" UC / 2" LC C FONT
51	STA 56+59	LT	PEDESTRIAN TRAFFIC	W11-2	36	36	9.00		E	MOUNT ON LIGHT POLE
52	STA 56+59	LT	AHEAD (PLAQUE)	W16-9P	36	24	6.00		E	
52A	STA 56+17	LT	GOLD CREEK	I-3	30	18	3.75		E	MOUNT ON LIGHT POLE, 4" UC / 3" LC E-MOD FONT
52B	STA 56+17	LT	DZANTIK'I HEENI	I-3	30	5.5	1.15		E	MOUNT ON BELOW SIGN NO. 52A, 3" UC / 2" LC C FONT
53	STA 57+39	RT	NO PARKING ANY TIME	R7-1	12	18	1.50	2.5 PST	W	RED LEGEND ON WHITE BACKGROUND; USE TWO-WAY ARROW
54	STA 63+32	RT	SPEED LIMIT 20 AHEAD (SYMBOL)	W3-5	36	36	9.00	2.5 PST	W	
55	STA 63+50	CL	WHITTIER ST/NEXT SIGNAL // MAIN ST/2ND SIGNAL	D3-2	66	60	27.50	2.5 PST (2)	W	1ST LINE: WHITTIER ST; 2ND LINE: NEXT SIGNAL; 3RD LINE: MAIN ST; 4TH LINE: 2ND SIGNAL. STREET NAME FONT 8" UC/6" LC D-FONT. NEXT ** SIGNAL** AND 2ND SIGNAL FONT 6" UC D-FONT
56	STA 63+50	CL	STATE // MUSEUM // <	CUSTOM	24	18	3.00		W	1ST LINE: STATE; 2ND LINE: MUSEUM; 3RD LINE: LEFT ARROW. 3" UC D-FONT. WHITE LEGEND ON BROWN BACKGROUND. MOUNT BELOW SIGN NO. 55. ATTACH TO **RIGHT**PST.

**REVISED AFTER
BID DATE**



SIGN FACING NOTES: SIGN FACING IS RELATIVE TO THE DIAGRAM ABOVE. IT IS **NOT** RELATED TO CARDINAL DIRECTION.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

SIGNING & STRIPING

10/29/2018

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	H6	H7

FILE C:\nu\69393\Plmset\69393_H1-H7_SignStrippe.dwg DATE 8/8/2018 16:00 LAYOUT H6 DESIGNED NG CHECKED CT DRAFTED JT

615.0001.0000 STANDARD SIGN										
NO.	STATION	OFFSET	DESCRIPTION	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	POST	SIGN FACING	REMARKS
57	STA. 63+50	CL	CONVENTION CENTER // VISITORS INFO // <	CUSTOM	48	18	6.00		W	1ST LINE: CONVENTION CENTER; 2ND LINE: VISITOR INFO; 3RD LINE: LEFT ARROW. 3" UC D-FONT. WHITE LEGEND ON BLUE BACKGROUND. MOUNT BELOW SIGN NO. 55. ATTACH TO "LEFT" POST.
58	STA. 66+00	LT	SPEED LIMIT 35	R2-1	30	36	7.50	2.5 PST	E	
58A	STA. 64+38	LT	BICYCLE GUIDE (SYMBOL)	R3-17	18	18	2.25		E	
59										NOT USED
60										NOT USED
61	STA. 66+52	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		S	MOUNT ON SIGNAL POLE
62	STA. 67+46	LT	STATE // MUSEUM // >	D7-100	48	32	10.67	2.5 PST (2)	E	1ST LINE: STATE; 2ND LINE: MUSEUM; RIGHT ARROW ALIGNED VERTICALLY BETWEEN LINES. WHITE LEGEND ON BROWN BACKGROUND, 6" UC/4" LC D-FONT
63	STA. 66+54	LT	LEFT TURN ONLY	R3-108L	30	36	7.50		E	MOUNT ON SIGNAL MAST ARM
64	STA. 66+54	LT	WHITTIER ST	D3-1B	66	18	8.25		E	MOUNT ON SIGNAL MAST ARM-8" UC/6" LC D-FONT
65	STA. 66+79	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		E	MOUNT ON PED. POLE
66	STA. 66+79	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		E	MOUNT ON PED. POLE
67	STA. 67+00	LT	LEFT TURN YIELD ON GREEN	R10-12	24	30	5.00		S	MOUNT AT END OF MAST ARM, ADJACENT TO SIGNAL HEAD
68	STA. 67+08	LT	EGAN DR	D3-1	54	24	9.00		S	MOUNT ON SIGNAL MAST ARM-8" UC/6" LC D-FONT
69	STA. 67+26	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		W	MOUNT ON SIGNAL POLE
70	STA. 67+26	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		S	MOUNT ON SIGNAL POLE
71	STA. 67+07	RT	LEFT TURN YIELD ON GREEN	R10-12	24	30	5.00		N	MOUNT AT END OF MAST ARM, ADJACENT TO SIGNAL HEAD
72	STA. 67+33	RT	EGAN DR	D3-1	54	18	6.75		N	MOUNT ON SIGNAL MAST ARM-8" UC/6" LC D-FONT
73	STA. 67+54	RT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		E	MOUNT ON SIGNAL POLE
74	STA. 67+54	RT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		N	MOUNT ON SIGNAL POLE
75	STA. 67+48	RT	LEFT TURN ONLY	R3-108L	30	36	7.50		W	MOUNT ON SIGNAL MAST ARM
76	STA. 67+50	RT	WHITTIER ST	D3-1B	66	18	8.25		W	MOUNT ON SIGNAL MAST ARM-8" UC/6" LC D-FONT
77										NOT USED
78	STA. 67+56	LT	JUNEAU ARTS & CULTURE CENTER						E	EXISTING SIGN TO REMAIN
79	STA. 67+75	RT	SPEED LIMIT 20	R2-1	30	36	7.50	2.5 PST	W	
80										NOT USED
81										NOT USED
82										NOT USED
83	STA. 70+50	CL	KEEP RIGHT (SYMBOL)	R4-7C	24	30	5.00	2.5 PST	E	
84	STA. 70+50	CL	OBJECT MARKER	OM1-1	18	18	2.25		E	MOUNT BELOW SIGN NO. 83
85	STA. 70+00	RT	WILLOUGHBY < // AVE	D3-1	78	36	19.50	2.5 PST (2)	W	1ST LINE: WILLOUGHBY; 2ND LINE: AVE; LEFT ARROW ALIGNED VERTICALLY BETWEEN LINES. 8" UC/6" LC D-FONT
86	STA. 70+00	RT	LANE CONTROL SIGN	R3-108B	30	30	6.25		W	MOUNT BELOW SIGN NO. 85
87										NOT USED
88										NOT USED
89	STA. 71+70	RT	PEDESTRIAN TRAFFIC	W11-2	36	36	9.00		W	MOUNT TO LIGHT POLE
90	STA. 71+70	RT	AHEAD (PLAQUE)	W16-9P	36	24	6.00		W	MOUNT BELOW SIGN NO. 89
91	STA. 72+33	RT	SPEED LIMIT 20	R2-1	30	36	7.50		W	MOUNT ON LIGHT POLE
92	STA. 72+73	LT	ENTERING ROADWAY ADDED LANE	R1-2	36	36	9.00	2.5 PST	N	
93	STA. 72+73	LT	NO LEFT TURN (SYMBOL)	R3-2	30	30	6.25		N	MOUNT BELOW SIGN NO. 92
93A	STA. 72+73	LT	LANE CONTROL SIGN	R3-108B	30	30	6.25		N	MOUNT BELOW SIGN NO. 93
94	STA. 73+12	LT	WILLOUGHBY AVE	D3-1	42	8	2.33	2.5 PST (2)	E/W	4" UC/3" LC C-FONT, 2 SIGNS BACK TO BACK
95	STA. 73+15	LT	KEEP RIGHT (SYMBOL)	R4-7C	24	30	5.00	2.5 PST	N	
96	STA. 73+15	LT	OBJECT MARKER	OM1-1	18	18	2.25		N	MOUNT BELOW SIGN NO. 95
97	STA. 73+28	LT	EGAN DR	D3-1	24	8	1.33	2.5 PST	N/S	4" UC / 3" LC C-FONT
98										NOT USED
99	STA. 73+28	LT	STOP	R1-1	30	30	6.25		N	MOUNT BELOW SIGN NO. 98
100	STA. 73+80	RT	BEGIN (PLAQUE)	R3-9CP	30	12	2.50		W	
101	STA. 73+80	RT	TWO WAY LEFT TURN ONLY	R3-9B	24	36	6.00		W	MOUNT BELOW SIGN NO. 100
101A	STA. 73+80	CL	OBJECT MARKER	OM1-1	18	18	2.25		E	MOUNT BELOW SIGN NO. 106
102	STA. 73+85	LT	PEDESTRIAN TRAFFIC	W11-2	36	36	9.00	2.5 PST	E	
103	STA. 73+85	LT	LT DIAGONAL ARROW (PLAQUE)	W16-7PL	30	18	3.75		E	MOUNT BELOW SIGN NO. 102
103A	STA. 74+65	LT	ADDED LANE	W4-3	36	36	9.00			
104	STA. 74+00	RT	PEDESTRIAN TRAFFIC	W11-2	36	36	9.00	2.5 PST	W	
105	STA. 74+00	RT	LEFT DIAGONAL ARROW (PLAQUE)	W16-7PL	30	18	3.75		W	MOUNT BELOW SIGN NO. 104
106	STA. 74+05	CL	KEEP RIGHT (SYMBOL)	R4-7C	24	30	5.00	2.5 PST	E	
107	STA. 74+05	CL	OBJECT MARKER	OM1-1	18	18	2.25		E	MOUNT BELOW SIGN NO. 106
108	STA. 75+86	LT	PEDESTRIAN TRAFFIC	W11-2	36	36	9.00		E	MOUNT ON LIGHT POLE
109	STA. 75+86	LT	AHEAD (PLAQUE)	W16-9P	36	24	6.00		E	MOUNT BELOW SIGN NO. 108
110	STA. 76+41	RT	< MAIN ST	D3-1	54	18	6.75	2.5 PST	W	8" UC/6" LC D-FONT
111	STA. 76+46	CL	END (PLAQUE)	R3-9DP	30	12	2.50	2.5 PST	W	
112	STA. 76+46	CL	TWO WAY LEFT TURN ONLY	R3-9B	24	36	6.00		W	MOUNT BELOW SIGN NO. 111
113	STA. 76+51	RT	SPEED LIMIT 20	R2-1	30	36	7.50		W	MOUNT ON LIGHT POLE
114	STA. 76+53	LT	YIELD	R1-2	36	36	9.00	2.5 PST	N	
115	STA. 77+00	LT	DO NOT ENTER	R5-1	36	36	9.00		S	MOUNT ON LIGHT POLE
116	STA. 77+18	LT	SPEED LIMIT 20	R2-1	30	36	7.50		E	MOUNT ON LIGHT POLE



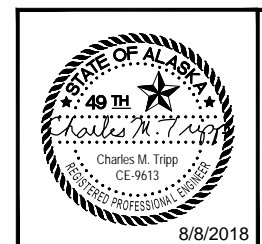
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
SIGNING & STRIPING
 8/8/2018

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	H7	H7

615.0001.0000 STANDARD SIGN

NO.	STATION	OFFSET	DESCRIPTION	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	POST	SIGN FACING	REMARKS
117	STA. 78+31	LT	YIELD	R1-2	36	36	9.00	2.5 PST	N	
118	STA. 78+60	LT	MAIN ST	D3-1B	54	18	6.75		E	MOUNT ON MAST ARM-8" UC/6" LC D-FONT
119	STA. 78+60	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		E	MOUNT ON SIGNAL POLE
120	STA. 78+87	RT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		W	MOUNT ON PED. POLE
121	STA. 78+92	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		S	MOUNT ON PED. POLE
121A	STA. 78+92	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		E	MOUNT ON PED. POLE
122	STA. 79+98	RT	EGAN DR	D3-1B	54	18	6.75		N	MOUNT ON MAST ARM-8" UC/6" LC D-FONT
123	STA. 79+10	RT	LEFT TURN ONLY	R3-108L	30	36	7.50		N	MOUNT ON MAST ARM
123A	STA. 79+05	RT	BICYCLE GUIDE (SYMBOL)	R3-17	18	18	2.25		E	MOUNT TO SIGNAL POLE AT INSIDE EDGE OF POLE
123B	STA. 79+05	RT	ENDS (PLAQUE)	R3-17b	18	8	1.00		E	MOUNT BELOW BIKE LANE SIGN
124	STA. 79+42	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		S	MOUNT ON PED. POLE
125	STA. 79+42	LT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		W	MOUNT ON PED. POLE
126	STA. 79+50	RT	MAIN ST	D3-1B	54	18	6.75		W	MOUNT ON SIGNAL MAST ARM-8" UC/6" LC D-FONT
127	STA. 79+50	RT	TURNING VEHICLES YIELD TO PEDESTRIANS (LEFT ARROW)	R10-15L	30	30	6.25		W	MOUNT ON SIGNAL MAST ARM
128	STA. 79+51	RT	LEFT TURN YIELD ON GREEN	R10-12	30	24	5.00		W	MOUNT ON MAST ARM
129	STA. 79+52	RT	PUSHBUTTON EDUCATIONAL	R10-3B	9	12	0.75		N	MOUNT ON SIGNAL POLE
130	STA. 80+15	LT	AHEAD (PLAQUE)	R3-17aP	18	8	1.00	2.5 PST	E	4" UC C-FONT, WHITE LEGEND ON GREEN BACKGROUND
131	STA. 80+15	LT	BICYCLE GUIDE (SYMBOL)	R3-17	18	18	2.25		E	MOUNT BELOW SIGN NO. 129
132	STA. 80+41	LT	SEWARD ST	D3-1	30	8	1.67	2.5 PST	E/W	DOUBLE-SIDED SIGN. 4" UC/3" LC C-FONT
133	STA. 80+41	LT	MARINE WAY	D3-1	30	8	1.67		N/S	DOUBLE-SIDED SIGN. 4" UC/3" LC C-FONT; MOUNT BELOW SIGN NO. 132
134	STA. 80+41	LT	STOP	R1-1	30	30	6.25		N	MOUNT BELOW SIGN NO. 133
135	STA. 80+56	LT	ONE WAY (RIGHT ARROW)	R6-1R	36	12	3.00		W	
136	STA. 80+56	LT	ONE WAY (LEFT ARROW)	R6-1L	36	12	3.00		E	MOUNT BELOW SIGN NO. 135
137	STA. 80+56	LT	STOP	R1-1	30	30	6.25		N	MOUNT BELOW SIGN NO. 136
138	STA. 42+76	LT	BICYCLE GUIDE (DIRECTIONAL X1)	D1-1C	40	6	1.67	2.5 PST	N	
139	STA. 44+38	LT	BICYCLE GUIDE (DIRECTIONAL X3)	D1-3C	40	18	5.00	2.5 PST	E	
140	STA. 44+60	RT	BICYCLE GUIDE (DIRECTIONAL X2)	D1-2C	42	12	3.50		W	MOUNT ON LIGHT POLE
141	STA. 55+79	LT	BICYCLE GUIDE (DIRECTIONAL X2)	D1-2C	40	12	3.33	2.5 PST	E	
142	STA. 65+87	LT	BICYCLE GUIDE (SYMBOL)	D11-1	24	18	3.00	2.5 PST	E	
143	STA. 65+76	RT	BICYCLE GUIDE (DIRECTIONAL X2)	D1-2C	42	12	3.50		W	MOUNT ON LIGHT POLE
144	STA. 66+66	LT	BICYCLE GUIDE (DIRECTIONAL X1)	D1-1C	42	6	1.75	2.5 PST	N	
145	STA. 68+24	RT	BICYCLE GUIDE (SYMBOL)	D11-1	24	18	3.00	2.5 PST	W	
146	STA. 74+51	LT	BICYCLE GUIDE (DIRECTIONAL X2)	D1-2C	36	12	3.00	2.5 PST	E	
147	STA. 77+77	RT	BICYCLE GUIDE (DIRECTIONAL X1)	D1-1C	36	6	1.50		W	MOUNT ON LIGHT POLE
148	STA. 79+67	LT	BICYCLE GUIDE (DIRECTIONAL X2)	D1-2C	36	12	3.00	2.5 PST	E	
149	STA. 43+74	LT	USE PED SIGNAL	R9-5	12	18	1.50			MOUNT ON LIGHT POLE

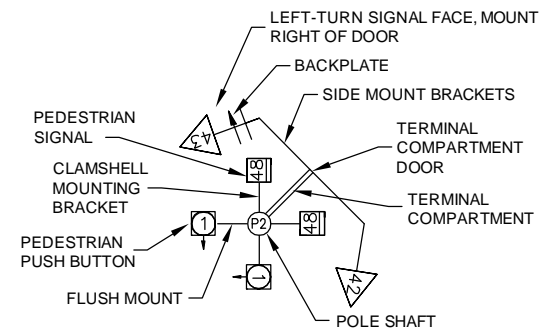
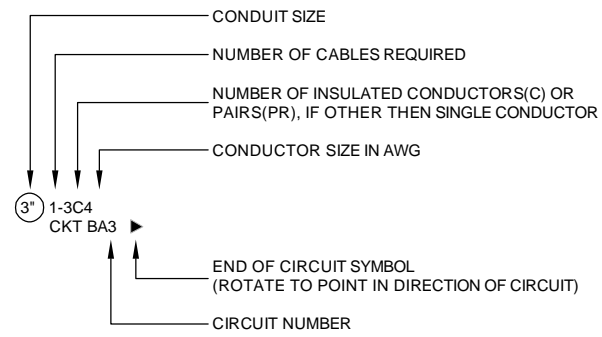


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST
SIGNING & STRIPING

FILE U:\2047053100\drawing\C:\Shets\2047053100_TS_GENERAL_NOTES.dwg
 DATE 2/1/2019 14:24 LAYOUT GENERAL NOTES
 DESIGNED AH
 CHECKED JB
 DRAFTED MT

SYMBOL LEGEND

EXISTING	PROPOSED	
		LOAD CENTER
		TRAFFIC CONTROLLER
		TYPE I JUNCTION BOX
		TYPE II JUNCTION BOX
		TYPE III JUNCTION BOX
		ELECTROLIER
		SIGNAL POLE WITH MASTARM
		PEDESTRIAN PUSH BUTTON
		PEDESTRIAN SIGNAL
		VEHICULAR SIGNAL
		VEHICULAR SIGNAL LEFT
		VIDEO CAMERA
		LOOP DETECTOR
		EVP DETECTOR
		MICROWAVE DETECTOR
		MICROWAVE DETECTION ZONE
		LOOP DETECTOR CONDUIT
		SIGNAL CONDUIT
		LIGHTING CONDUIT
		SIGNAL & LIGHTING CONDUIT
		CONDUIT BORING
		CONDUIT SIZE IN INCHES
		INTERCONNECT
		PTZ CAMERA



POLE SHAFT LEGEND

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
△	1/28/19	ADDED NOTES	ALASKA	0932047/Z693930000	2018	J1	J24

NOTES:

FOUNDATIONS NOTES:

- STATION & C.L. REFERENCE ARE TO THE CENTER OF THE STRUCTURE, EXCEPT ON LOOPS WHICH ARE TO THE CENTER OF THE TRAILING EDGE OF THE LOOP (EDGE NEAREST INTERSECTION).
- JUNCTION BOX LOCATIONS ARE APPROXIMATE. LOCATE JUNCTION BOXES SO THAT THEY ARE LOCATED OUT OF CURB RAMPS AND DRAINAGE COLLECTION AREAS.
- INSTALL LOAD CENTER AND TRAFFIC CONTROLLER FOUNDATIONS WITHIN 1-DEGREE OF PLUMB.
- INSTALL ANCHOR BOLTS IN CAST FOUNDATIONS TO BE WITHIN 1:40 OF PLUMB.
- TOPSOIL AND SEED ANY DISTURBED AREAS.
- ALL FOUNDATION LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO PLACEMENT. ELECTROLIERS SHALL COMPLY WITH ALASKA DOT STANDARD DRAWING L-03.10 AND THE DESIGN MOUNTING HEIGHT SHALL BE AT 40 FEET, UNLESS OTHERWISE NOTED IN THE PLANS, FOUNDATION TYPES SHALL COMPLY WITH ALASKA DOT STANDARD DRAWING L-30.10.

SIGNAL SYSTEM NOTES:

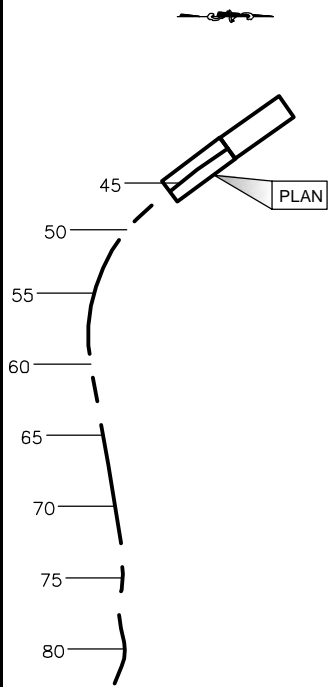
- FURNISH THE SIGNAL AND LUMINAIRE MAST ARM LENGTHS AND DIMENSIONS SPECIFIED ON THE POLE ELEVATIONS.
- RADAR DETECTORS SHALL BE WAVETRONICS SMARTSENSOR, OR APPROVED EQUAL. CONTROLLERS SHALL BE SIEMENS M60, OR APPROVED EQUAL.
- INSTALL DEVICES SUCH THAT THE DIMENSIONS SHOWN TO THE BOTTOM OF THE DEVICES ON THE POLE ELEVATIONS ARE MINIMUMS. VERTICAL DIMENSIONS TO SIGNAL HEADS ARE TO BOTTOM OF THE BACK PLATE.
- INSTALL MAST ARMS AND ELECTROLIER ARMS PERPENDICULAR TO THE ROADWAY CENTERLINE. ACCEPTABLE VARIANCE IS +/- 1-DEGREE.
- SALVAGE SIGNAL POLE ASSEMBLIES, SIGNS, SIGNAL FACES, AND LUMINAIRES AND DELIVER TO MAINTENANCE AND OPERATIONS WITHIN 48-HOURS OF DECOMMISSIONING. COMPONENTS DAMAGED WHILE IN THE CONTRACTORS CUSTODY MUST BE REPLACED AT THE CONTRACTORS EXPENSE. REMOVE AND DISPOSE OF FOUNDATIONS.
- SALVAGE EXISTING CONTROLLER CABINET AFTER NEW CONTROLLER CABINET IS IN SERVICE AND DELIVER TO MAINTENANCE AND OPERATIONS WITHIN 48-HOURS OF DECOMMISSIONING.
- VEHICLE SIGNALS AND PEDESTRIAN SIGNALS SHALL BE LED MODULES.
- REMOVE ABANDONED OR UNUSED TRAFFIC JUNCTION BOXES WITHIN PROJECT LIMITS UNLESS OTHERWISE NOTED.
- SIGNAL HEADS ARE TO BE LOCATED PER FIGURE 4D-100, TYPICAL SIGNAL HEAD LOCATIONS, PER THE ALASKA TRAFFIC MANUAL. ACCEPTABLE VARIANCE IS +/- 1-FOOT.
- AIM SIGNALS PER TABLE 660-2, THROUGH-SIGNAL AIMING POINT, OF THE SPECIAL PROVISIONS. SIGNALS SHALL ALSO BE AIMED SO AS NOT TO BE VISIBLE FROM SIDE STREET TRAFFIC. ACCEPTABLE VARIANCE IS +/- 5 DEGREES.
- EXISTING CIRCUITS LISTED ON THE PLAN SHEETS WERE OBTAINED FROM AS-BUILT INFORMATION AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO WORK INVOLVING THOSE CIRCUITS.
- REMOVE ABANDONED OR UNUSED STREET LIGHTING BOXES THAT ARE LOCATED WITHIN THE LIMITS OF WORK. REMOVE UNUSED CONDUIT WITHIN THE LIMITS OF WORK.
- CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL, INCLUDING ARROW BOARD DEVICE(S) FOR OVERHEAD INSPECTION AND LOCATE WORK PERFORMED BY DOT SIGNAL MAINTENANCE. CONTRACTOR SHALL BE ON-SITE AT COMPLETION OF LOCATES TO REVIEW LAYOUT AND MAKE STATIONING MEASUREMENTS FOR CONDUIT LOCATIONS.
- REPLACE ALL LIGHTING SPLICES IN TRAFFIC SIGNAL JUNCTION BOXES WHERE NEW CABLES ARE BEING INSTALLED.
- NO SPLICING IN NEW WIRING SHALL BE ALLOWED.
- ALL NEW CONDUIT SHALL BE 3" CONDUIT AND SHALL COMPLY WITH THE PROJECT SPECIFICATIONS, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL USE HDPE FOR LONG CONDUIT RUNS AND USE RMC WHEN CONDUIT ENTERS A JUNCTION BOX.
- CONSTRUCT POST MOUNTED PEDESTRIAN SIGNALS IN ACCORDANCE WITH STANDARD DETAIL T-30.11.
- ON WIRING DIAGRAM SHEETS NEW CABLES ARE INDICATED WITH BOLD TYPE.
- INSTALL A BARE COPPER GROUND WIRE WITH ALL LIGHTING AND POWER CIRCUITS. GROUND WIRE SHALL BE SIZED EQUAL TO THE LARGEST PHASE CONDUCTOR IN THE CONDUIT AND SHALL NOT BE SMALLER THAN 8 AWG.
- PROVIDE A TEMPORARY TRAFFIC SIGNAL SYSTEM AT THE EGAN DRIVE AND 10TH AVENUE INTERSECTION, AS NECESSARY, WHEN THE EXISTING TRAFFIC SIGNAL SYSTEM IS NON-FUNCTIONAL. MAINTAIN TRAFFIC ACCESS AS DEFINED IN AN APPROVED TRAFFIC CONTROL PLAN AND SECTION 643-3.08 OF THE PROJECT SPECIFICATIONS.
- PROVIDE TEMPORARY TRAFFIC SIGNALIZATION OR FLAGGING AT THE EGAN DRIVE AND 8TH AVENUE INTERSECTION, MONDAY THROUGH FRIDAY, FROM 4:30 PM TO 5:30 PM TO ACCOMMODATE 9TH AVENUE EGRESS ONTO EGAN DRIVE.



STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 (907) 276-4245
 CERT. OF AUTH. NO. 126386

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK**
 TRAFFIC SIGNAL GENERAL NOTES

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	1/28/16	SHIFTED POLE LOCATIONS



PLAN LEGEND

CHECKED BY: S. KARI



STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 (907) 276-4245
 CERT. OF AUTH. NO. 126386

DESIGNED BY: M. TRIBELHORN

DRAWN BY: M. TRIBELHORN

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

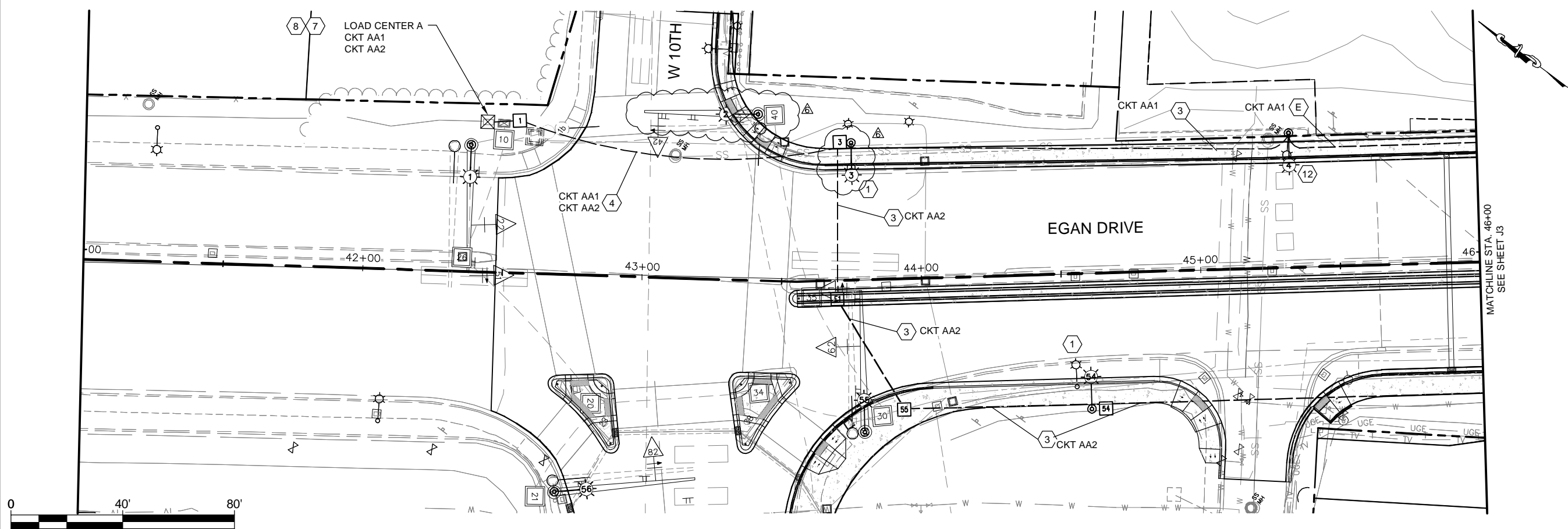
**JNU EGAN DRIVE IMPROVEMENTS
 MAIN STREET TO 10TH STREET
 PROJECT #89393
 HWY SIGNAL &
 ILLUMINATION
 PLAN**

PROJECT DESIGNATION
0932047/Z693930000

STATE	YEAR
ALASKA	2018
SHEET NUMBER	TOTAL SHEETS
J2	J24

ILLUMINATION NOTES:

- 1 REMOVE ELECTROLIER, FOUNDATION, AND CONDUCTORS BACK TO SOURCE OR PREVIOUS DEVICE TO REMAIN. ABANDON UNUSED CONDUIT IN PLACE WHERE DISTURBED BY EXCAVATION ASSOCIATED WITH THIS PROJECT.
- 2 NOT USED
- 3 3"C, 1-3c#6
- 4 3"C, 2-3c#6
- 5 3"C, 3-3c#6
- 6 3"C, 4-3c#6
- 7 FURNISH AND INSTALL LOAD CENTER.
- 8 NEW METER TO RECEIVE POWER FROM SOURCE AT EGAN DRIVE/12TH STREET INTERSECTION.
- 9 EXISTING METER TO REMAIN TO SERVICE STREET LIGHTS ON GLACIER AVENUE.
- 10 RESERVED
- 11 3"C, SPARE
- 12 REUSE EXISTING ELECTROLIER FOUNDATION. REPLACE EXISTING CONDUCTORS WITH NEW CONDUCTORS PLACED IN EXISTING CONDUITS.
- E USE EXISTING CONDUITS



SCALE IN FEET

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

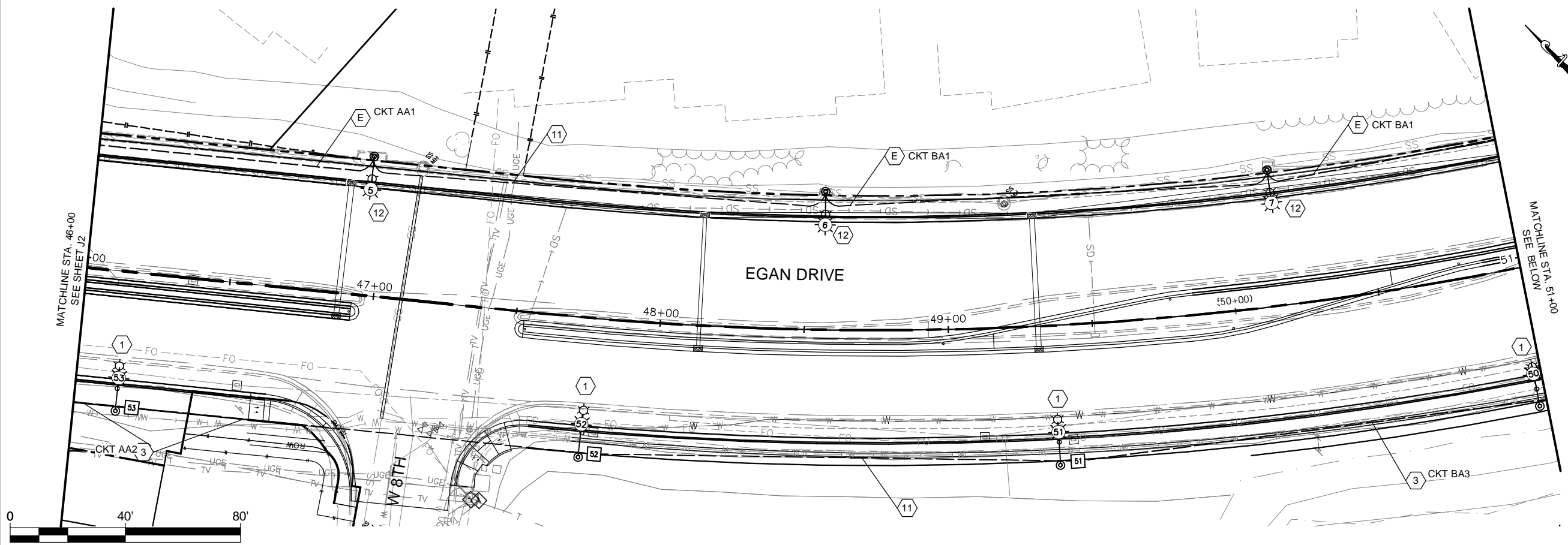
HIDALGO, MARILYN
 TAB: J3 April 18, 2017

ADDENDUM NUMBER

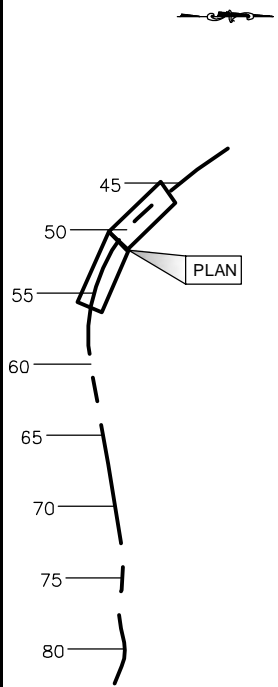
ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION



SCALE IN FEET



PLAN LEGEND

CHECKED BY: S. KARI



STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
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DESIGNED BY: M. TRIBELHORN

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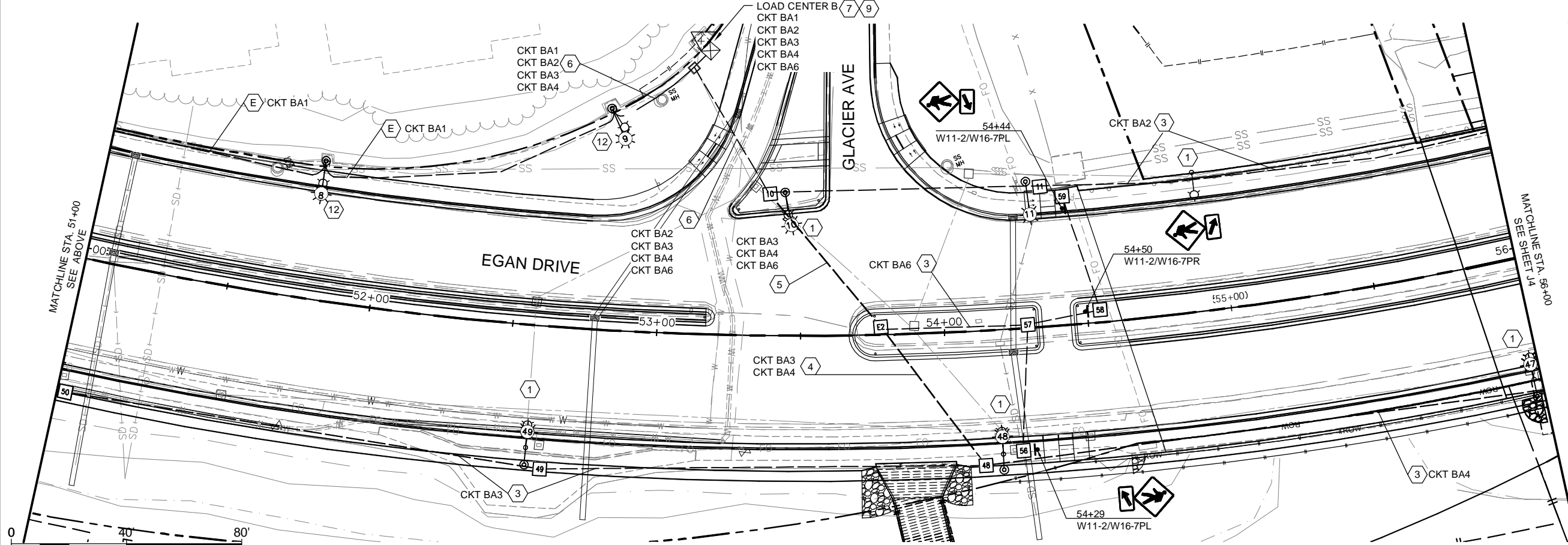
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**JNU EGAN DRIVE IMPROVEMENTS
 MAIN STREET TO 10TH STREET
 PROJECT #69393
 HWY SIGNAL &
 ILLUMINATION
 PLAN**

PROJECT DESIGNATION
0932047/Z693930000

STATE	YEAR
ALASKA	2018

SHEET NUMBER	TOTAL SHEETS
J3	J24

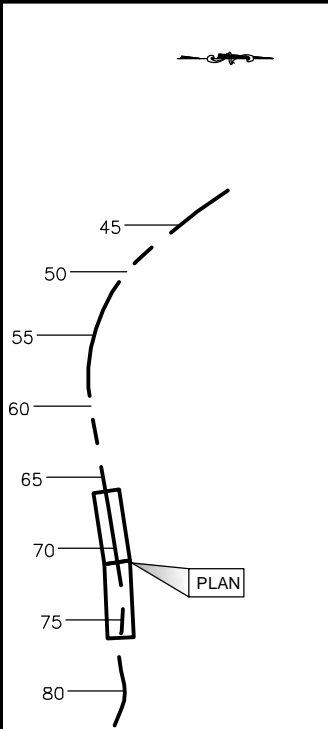


SCALE IN FEET

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

HIDALGO, MARILYN
TAB: J5 April 18, 2017
ADDENDUM NUMBER
ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION



PLAN LEGEND

CHECKED BY: S. KARI



STANTEC CONSULTING SERVICES INC.
725 E. FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
(907) 276-4245
CERT. OF AUTH. NO. 126386

DESIGNED BY: M. TRIBELHORN

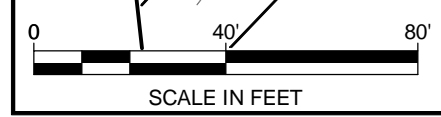
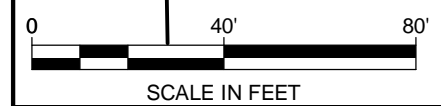
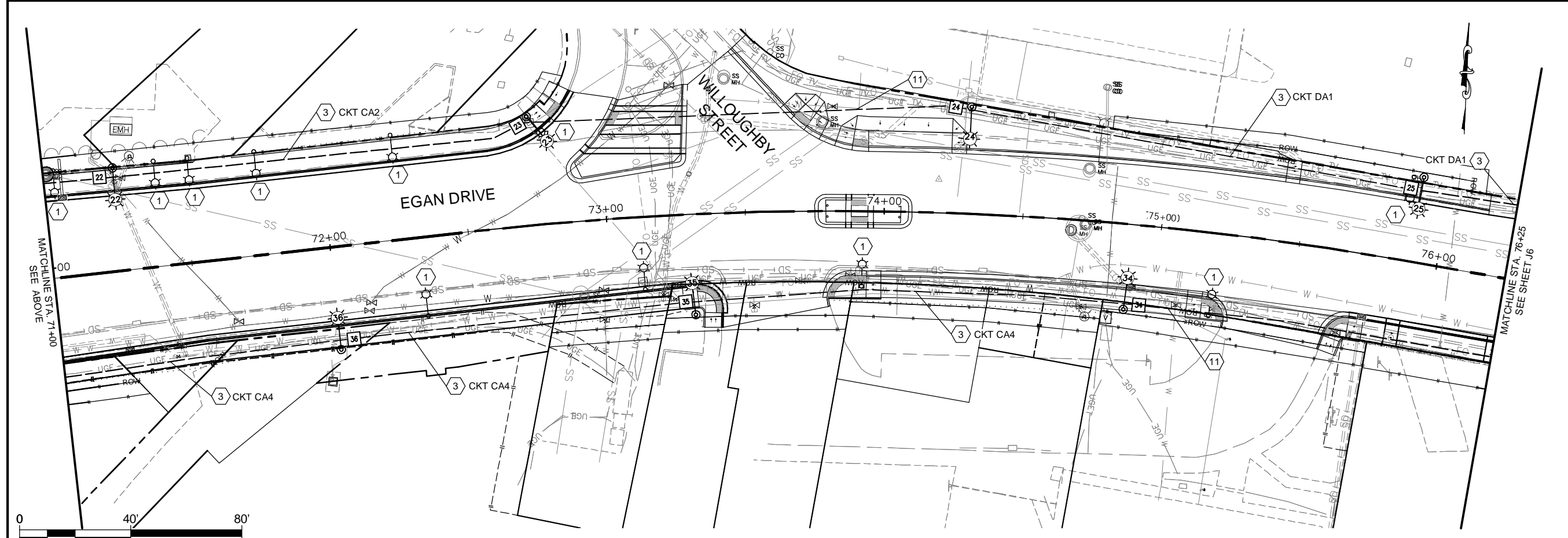
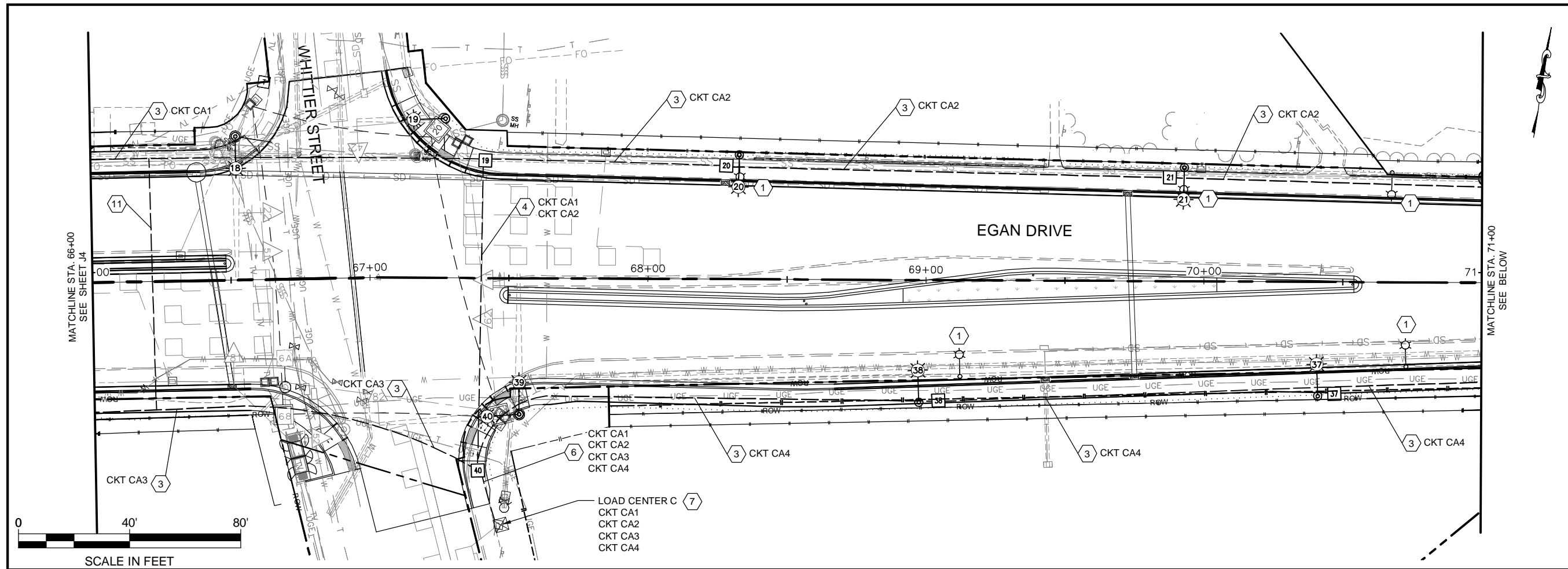
DRAWN BY: M. TRIBELHORN

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
& PUBLIC FACILITIES
SOUTHCOST REGION

**JNU EGAN DRIVE IMPROVEMENTS
MAIN STREET TO 10TH STREET
PROJECT #89393
HWY SIGNAL &
ILLUMINATION
PLAN**

PROJECT DESIGNATION
0932047/Z693930000

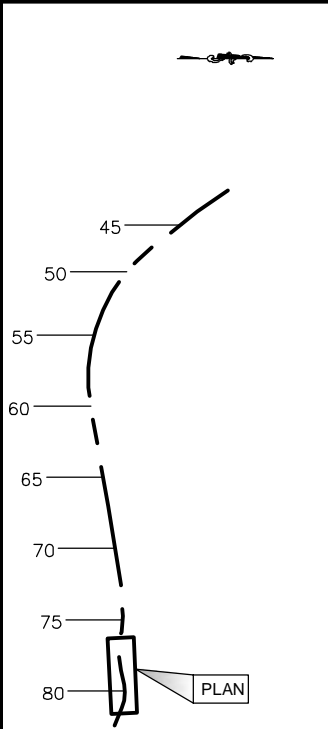
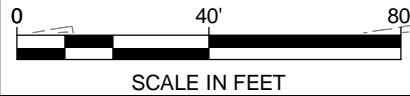
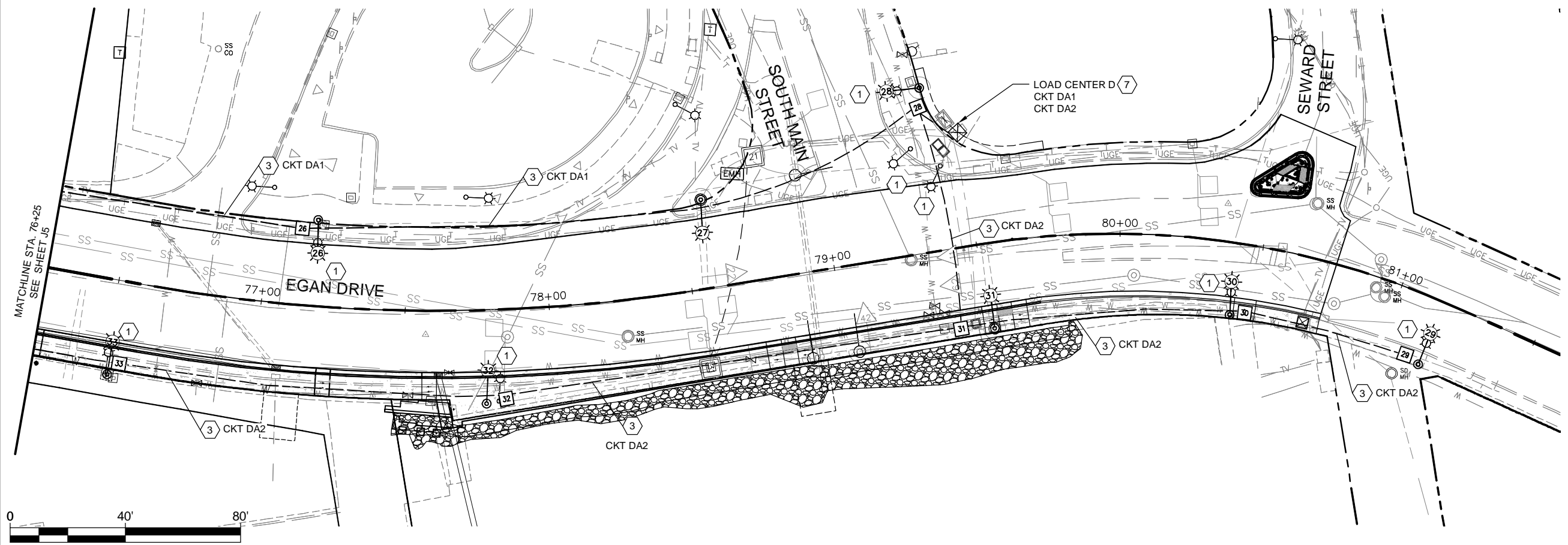
STATE	YEAR
ALASKA	2018
SHEET NUMBER	TOTAL SHEETS
J5	J24



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KARI, STEVEN
 TAB: J6 April 18, 2017
 ADDENDUM NUMBER
 ATTACHMENT NUMBER

RECORD OF REVISIONS		
No.	DATE	DESCRIPTION
1	1/28/19	UPDATED SUMMARY TABLES



PLAN LEGEND

CHECKED BY: S. KARI



STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 (907) 276-4245
 CERT. OF AUTH. NO. 126386

DESIGNED BY: M. TRIBELHORN
 DRAWN BY: M. TRIBELHORN

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

**JNU EGAN DRIVE IMPROVEMENTS
 MAIN STREET TO 10TH STREET
 PROJECT #09393
 HWY SIGNAL &
 ILLUMINATION
 PLAN**

PROJECT DESIGNATION
0932047/Z693930000

STATE	YEAR
ALASKA	2018
SHEET NUMBER	TOTAL SHEETS
J6	J24

ELECTROLIER SUMMARY			
POLE NO.	STATION	OFFSET	REMARKS
1	42+37.45	-45.36	
2	43+38.97	-58.83	⚠
3	43+76.24	-49.14	
4	45+32.82	-48.11	REUSE FOUNDATIONS (3 BOLT)
5	46+95.44	-48.42	REUSE FOUNDATIONS (3 BOLT)
6	48+56.65	-48.00	REUSE FOUNDATIONS (3 BOLT)
7	50+16.75	-47.27	REUSE FOUNDATIONS (3 BOLT)
8	51+77.49	-48.38	REUSE FOUNDATIONS (3 BOLT)
9	52+79.87	-76.92	REUSE FOUNDATIONS (3 BOLT)
10	53+44.40	-49.73	
11	54+31.69	-50.75	
12	56+16.67	-47.07	
13	57+74.30	-47.39	
14	59+79.01	-47.33	
15	61+42.63	-48.30	
16	63+02.68	-48.37	
17	64+62.46	-48.03	
18	66+52.39	-51.64	
19	67+26.90	-57.27	
20	68+32.65	-44.73	
21	69+92.81	-40.87	
22	71+25.33	-37.20	
23	72+74.62	-39.15	
24	74+30.00	-38.41	
25	75+90.03	-30.80	
26	77+17.54	-29.93	
27	78+58.02	-30.85	
28	79+39.09	-56.98	

ELECTROLIER SUMMARY			
POLE NO.	STATION	OFFSET	REMARKS
29	81+16.03	23.40	
30	80+42.04	25.02	
31	79+51.68	29.61	
32	77+77.37	32.48	
33	76+51.64	32.94	
34	74+88.92	30.80	
35	73+30.60	36.20	
36	71+99.91	36.96	
37	70+41.15	41.09	
38	68+97.64	43.98	
39	67+53.82	48.97	
40	67+53.82	48.97	
41	65+76.20	48.50	
42	64+06.13	48.50	
43	62+35.99	48.50	PILE FOUNDATION
44	60+66.01	48.50	PILE FOUNDATION
45	58+99.47	48.50	PILE FOUNDATION
46	57+38.93	48.50	PILE FOUNDATION
47	55+97.38	48.50	PILE FOUNDATION
48	54+17.90	48.50	PILE FOUNDATION
49	52+57.75	48.50	PILE FOUNDATION
50	50+97.39	48.50	PILE FOUNDATION
51	49+36.40	48.50	
52	47+75.56	48.50	
53	46+14.90	48.50	
54	44+59.68	48.50	
55	43+78.19	54.46	
56	42+71.03	77.78	

JUNCTION BOX SUMMARY			
JUNCTION BOX NO.	STATION	OFFSET	REMARKS
1	42+54.57	-54.52	
2			TRAFFIC SIGNAL PULL BOX
3	43+72.27	-49.51	⚠
10	53+38.96	-49.19	
11	54+36.65	-48.66	
12	56+20.30	-46.84	
13	57+78.51	-46.89	
14	59+73.78	-44.68	
15	61+37.96	-44.67	
16	62+97.27	-44.67	
17	64+57.00	-44.67	
18			TRAFFIC SIGNAL PULL BOX
19	67+41.29	-42.29	
20	68+28.00	-40.88	
21	69+87.64	-37.34	
22	71+20.30	-34.38	
23	72+71.36	-36.17	
24	74+24.51	-38.18	
25	75+86.09	-26.20	
26	77+12.12	-26.60	
27			TRAFFIC SIGNAL PULL BOX
28	79+37.52	-50.43	
29	81+10.13	22.01	
30	80+47.48	23.53	
31	79+40.04	27.93	
32	77+83.95	31.03	
33	76+55.08	28.49	
34	74+94.50	28.68	

JUNCTION BOX SUMMARY			
JUNCTION BOX NO.	STATION	OFFSET	REMARKS
35	73+27.05	31.37	
36	72+04.91	33.68	
37	70+47.08	40.24	
38	69+04.70	43.30	
39			TRAFFIC SIGNAL PULL BOX
40	67+39.10	69.19	
41	65+82.00	47.20	
42	64+12.65	46.89	
43	62+41.60	46.87	
44	60+72.02	48.05	
45	59+04.90	47.76	
46	57+44.09	46.93	
47	56+02.28	46.89	
49	52+63.06	49.58	
50	51+02.79	46.83	
51	49+42.31	47.41	
52	47+80.78	46.95	
53	46+20.43	46.85	
54	44+64.77	48.50	
55	43+92.57	46.77	
56	54+24.75	42.33	
57	54+29.02	-1.21	
58	54+54.48	-4.35	
59	54+44.50	-44.67	
E1	43+69.74	6.51	
E2	53+77.93	-2.76	

NOTES:

- STREET LIGHT JUNCTION BOX SHALL BE TYPE 1A, UNLESS OTHERWISE NOTED.
- ELECTROLIERS SHALL HAVE LED FIXTURES WITH 15' MAST ARMS AND 40' MOUNTING HEIGHT, UNLESS OTHERWISE NOTED.
- ELECTROLIERS 4,5,6,7,8, AND 9 SHALL HAVE 15-FOOT MAST ARMS AND 30-FOOT MOUNTING HEIGHT. FOUNDATIONS WILL BE REUSED. CONTRACTOR SHALL ENSURE ELECTROLIER BASES MATCH THE 3-BOLT PATTERN OF THE EXISTING FOUNDATIONS.

DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

ROGERS, COREY
 TAB: LC SUMMARY April 18, 2017

ADDENDUM NUMBER

ATTACHMENT NUMBER

RECORD OF REVISIONS

No.	DATE	DESCRIPTION

LOAD CENTER A	
LOAD CENTER TYPE:	1A
LOCATION DATA	
LOAD CENTER:	10 ST/EGAN DRIVE
POWER SOURCE:	AEL&P
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 AMPS, SERVING: PANEL A
CONTACTOR 1:	600-VOLT, 8-POLE, 30 AMPS

LOAD PANEL A SUMMARY				
BUS RATING:	100A, 240/120-VOLT, 1-PHASE, 3-WIRE			
CIRCUIT	KVA	BREAKER		
NUMBER	LOAD	AMPS	POLES	
*A1	LUMINAIRES 3-5	0.54	20	2
*A2	LUMINAIRES 52-54	0.54	20	2
*A3	INTERSECTION LIGHTING 1,2,55,56	0.72	20	2
*A4	SPARE		20	2
A5	SPARE		20	1
A6	TRAFFIC SIGNAL CONTROLLER	5.00	50	1
A7	PHOTOELECTRIC CONTROL	0.10	15	2
A8	HEATER	0.20	15	2
A9	SPACE			2
CONNECTED LOAD PANEL A		7.10	29.58	
DEMAND LOAD PANEL A (@125%)		8.88	36.98	

PANEL NOTES:

- *CIRCUIT ROUTED THROUGH CONTACTOR
- SEE DOT STANDARD DRAWING L-25.00 FOR TYPICAL LOAD CENTER CONSTRUCTION AND INSTALLATION.
 - PROVIDE CONTACTOR WITH 240-VOLT COIL AND HAND-OFF-AUTO SWITCH LOCATED ON LOAD CENTER DEAD-FRONT.
 - PROVIDE PHOTOELECTRIC CONTROL MOUNTED ON 24" MINIMUM LENGTH OF RIGID STEEL CONDUIT EXTENDING APPROXIMATELY 12" ABOVE TOP OF LOAD CENTER. ORIENT NORTH (PREFERABLE) OR EAST.
 - PROVIDE LABEL ON LOAD CENTER DEAD-FRONT "AVAILABLE FAULT CURRENT = 3677 AMPS, CALCULATED ON 08 AUGUST 2018."
 - CALCULATED FAULT CURRENT IS BASED ON A 15KVA UTILITY TRANSFORMER WITH 1.7% IMPEDANCE. FIELD VERIFY ACTUAL CONDITIONS AND NOTIFY ENGINEER IF DIFFERENT.

LOAD CENTER B	
LOAD CENTER TYPE:	2
LOCATION DATA	
LOAD CENTER:	GLACIER AVE/EGAN DRIVE
POWER SOURCE:	AEL&P
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 AMPS, SERVING: PANEL A
CONTACTOR 1:	600-VOLT, 10-POLE, 30 AMPS

LOAD PANEL A SUMMARY				
BUS RATING:	100A, 240/120-VOLT, 1-PHASE, 3-WIRE			
CIRCUIT	KVA	BREAKER		
NUMBER	LOAD	AMPS	POLES	
*A1	LUMINAIRES 6-9	0.72	20	2
*A2	LUMINAIRES 10-14	0.90	20	2
*A3	LUMINAIRES 49-51	0.54	20	2
*A4	LUMINAIRES 45-48	0.72	20	2
*A5	SPARE		20	2
A6	PEDESTRIAN CROSSING FLASHERS	0.48	20	1
A7	SPARE		20	1
A8	PHOTOELECTRIC CONTROL	0.10	15	2
A9	HEATER	0.20	15	2
A10	SPACE			2
CONNECTED LOAD PANEL A		3.66	15.25	
DEMAND LOAD PANEL A (@125%)		4.58	19.06	

PANEL NOTES:

- *CIRCUIT ROUTED THROUGH CONTACTOR
- SEE DOT STANDARD DRAWING L-25.00 FOR TYPICAL LOAD CENTER CONSTRUCTION AND INSTALLATION.
 - PROVIDE CONTACTOR WITH 240-VOLT COIL AND HAND-OFF-AUTO SWITCH LOCATED ON LOAD CENTER DEAD-FRONT.
 - PROVIDE PHOTOELECTRIC CONTROL MOUNTED ON 24" MINIMUM LENGTH OF RIGID STEEL CONDUIT EXTENDING APPROXIMATELY 12" ABOVE TOP OF LOAD CENTER. ORIENT NORTH (PREFERABLE) OR EAST.
 - PROVIDE LABEL ON LOAD CENTER DEAD-FRONT "AVAILABLE FAULT CURRENT = 3677 AMPS, CALCULATED ON 08 AUGUST 2018."
 - CALCULATED FAULT CURRENT IS BASED ON A 15KVA UTILITY TRANSFORMER WITH 1.7% IMPEDANCE. FIELD VERIFY ACTUAL CONDITIONS AND NOTIFY ENGINEER IF DIFFERENT.

LOAD CENTER C	
LOAD CENTER TYPE:	1A
LOCATION DATA	
LOAD CENTER:	WHITTIER ST/EGAN DRIVE
POWER SOURCE:	AEL&P
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 AMPS, SERVING: PANEL A
CONTACTOR 1:	600-VOLT, 12-POLE, 30 AMPS

LOAD PANEL A SUMMARY				
BUS RATING:	100A, 240/120-VOLT, 1-PHASE, 3-WIRE			
CIRCUIT	KVA	BREAKER		
NUMBER	LOAD	AMPS	POLES	
*A1	LUMINAIRES 15-17	0.54	20	2
*A2	LUMINAIRES 20-23	0.72	20	2
*A3	LUMINAIRES 41-44	0.72	20	2
*A4	LUMINAIRES 34-38	0.90	20	2
*A5	INTERSECTION LIGHTING 18,19,39,40	0.72	20	2
*A6	SPARE		20	2
A7	SPARE		20	1
A8	TRAFFIC SIGNAL CONTROLLER	5.00	50	1
A9	PHOTOELECTRIC CONTROL	0.10	15	2
A10	HEATER	0.20	15	2
CONNECTED LOAD PANEL A		8.90	37.08	
DEMAND LOAD PANEL A (@125%)		11.13	46.40	

PANEL NOTES:

- *CIRCUIT ROUTED THROUGH CONTACTOR
- SEE DOT STANDARD DRAWING L-25.00 FOR TYPICAL LOAD CENTER CONSTRUCTION AND INSTALLATION.
 - PROVIDE CONTACTOR WITH 240-VOLT COIL AND HAND-OFF-AUTO SWITCH LOCATED ON LOAD CENTER DEAD-FRONT.
 - PROVIDE PHOTOELECTRIC CONTROL MOUNTED ON 24" MINIMUM LENGTH OF RIGID STEEL CONDUIT EXTENDING APPROXIMATELY 12" ABOVE TOP OF LOAD CENTER. ORIENT NORTH (PREFERABLE) OR EAST.
 - PROVIDE LABEL ON LOAD CENTER DEAD-FRONT "AVAILABLE FAULT CURRENT = 3677 AMPS, CALCULATED ON 08 AUGUST 2018."
 - CALCULATED FAULT CURRENT IS BASED ON A 15KVA UTILITY TRANSFORMER WITH 1.7% IMPEDANCE. FIELD VERIFY ACTUAL CONDITIONS AND NOTIFY ENGINEER IF DIFFERENT.

LOAD CENTER D	
LOAD CENTER TYPE:	1A
LOCATION DATA	
LOAD CENTER:	S. MAIN ST/EGAN DRIVE
POWER SOURCE:	AEL&P
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 AMPS, SERVING: PANEL A
CONTACTOR 1:	600-VOLT, 8-POLE, 30 AMPS

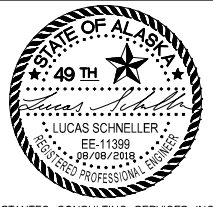
LOAD PANEL A SUMMARY				
BUS RATING:	100A, 240/120-VOLT, 1-PHASE, 3-WIRE			
CIRCUIT	KVA	BREAKER		
NUMBER	LOAD	AMPS	POLES	
*A1	LUMINAIRES 24,25,26,28	0.54	20	2
*A2	LUMINAIRES 29,30,32,33	0.54	20	2
*A3	INTERSECTION LIGHTING 27,31	0.72	20	2
*A4	SPARE		20	2
A5	SPARE		20	1
A6	TRAFFIC SIGNAL CONTROLLER	5.00	50	1
A7	PHOTOELECTRIC CONTROL	0.10	15	2
A8	HEATER	0.20	15	2
A9	SPACE			2
CONNECTED LOAD PANEL A		7.10	29.58	
DEMAND LOAD PANEL A (@125%)		8.88	36.98	

PANEL NOTES:

- *CIRCUIT ROUTED THROUGH CONTACTOR
- SEE DOT STANDARD DRAWING L-25.00 FOR TYPICAL LOAD CENTER CONSTRUCTION AND INSTALLATION.
 - PROVIDE CONTACTOR WITH 240-VOLT COIL AND HAND-OFF-AUTO SWITCH LOCATED ON LOAD CENTER DEAD-FRONT.
 - PROVIDE PHOTOELECTRIC CONTROL MOUNTED ON 24" MINIMUM LENGTH OF RIGID STEEL CONDUIT EXTENDING APPROXIMATELY 12" ABOVE TOP OF LOAD CENTER. ORIENT NORTH (PREFERABLE) OR EAST.
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 - CALCULATED FAULT CURRENT IS BASED ON A 15KVA UTILITY TRANSFORMER WITH 1.7% IMPEDANCE. FIELD VERIFY ACTUAL CONDITIONS AND NOTIFY ENGINEER IF DIFFERENT.

PLAN LEGEND

CHECKED BY: S. KARI



STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 (907) 276-4245
 CERT. OF AUTH. NO. 126386

DESIGNED BY: M. TRIBELHORN

DRAWN BY: M. TRIBELHORN

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 & PUBLIC FACILITIES
 SOUTHCOAST REGION

JNU EGAN DRIVE IMPROVEMENTS
 MAIN STREET TO 10TH STREET
 PROJECT #69393

LOAD CENTER SUMMARIES

PROJECT DESIGNATION

0932047/Z693930000

STATE	YEAR
ALASKA	2018

SHEET NUMBER	TOTAL SHEETS
J7	J24

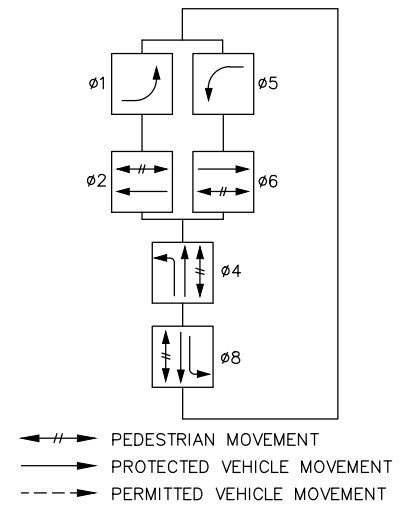
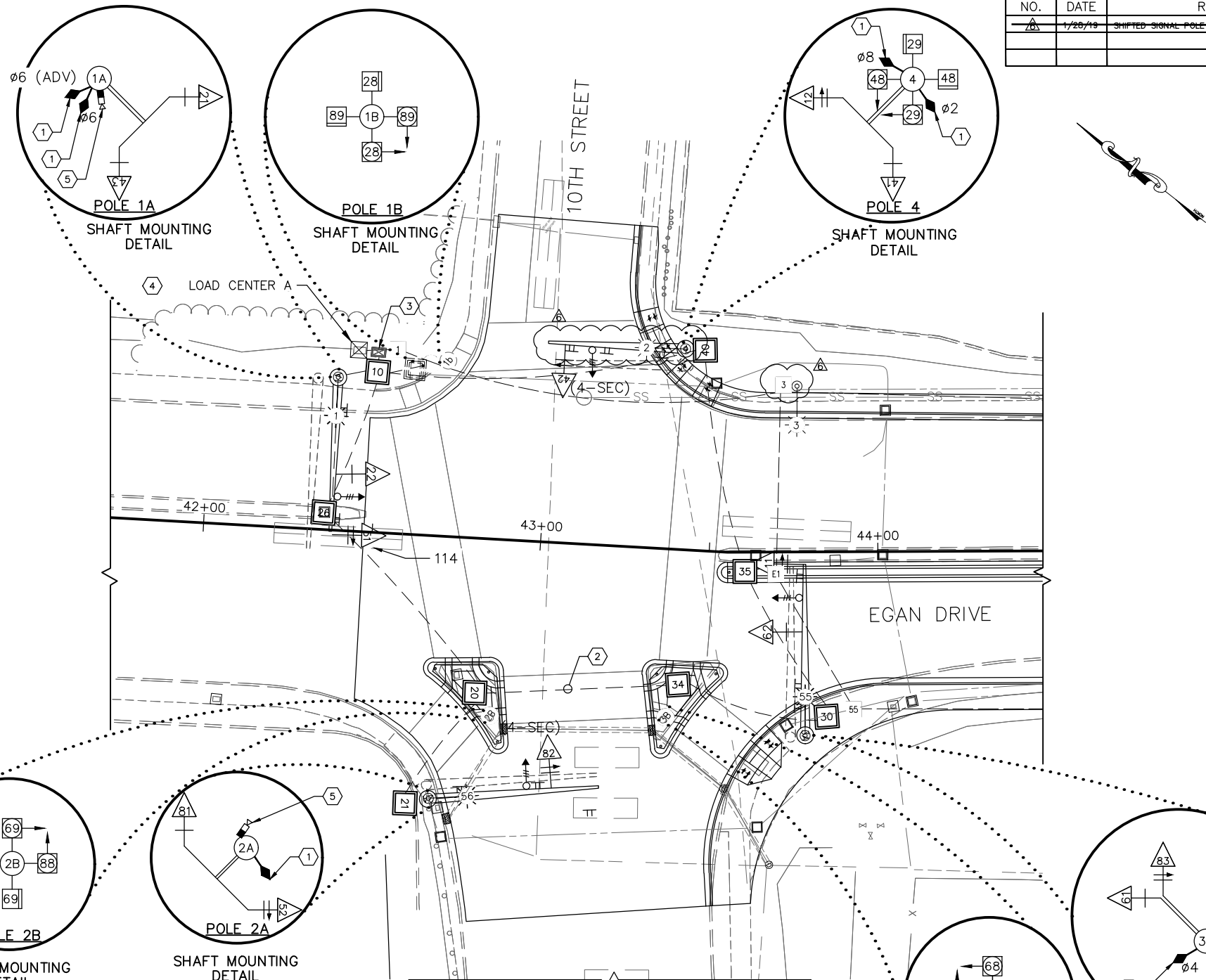
DO NOT SCALE FROM THESE DRAWINGS USE DIMENSIONS

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 DESIGNED AH
 CHECKED JB
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GENERAL NOTES:

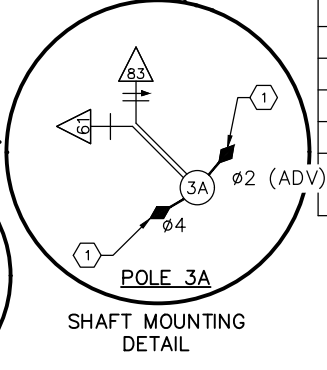
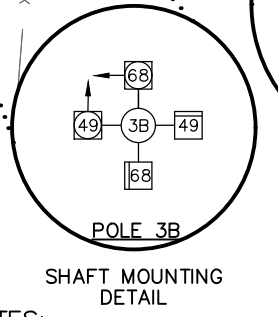
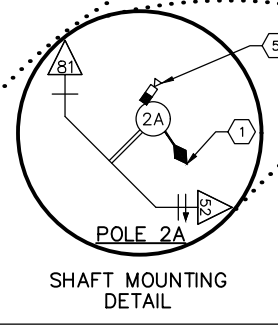
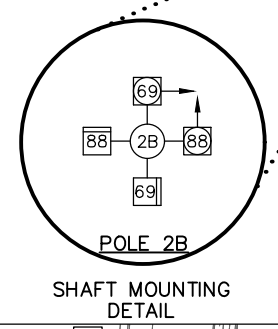
1. TRAFFIC SIGNAL COMMUNICATION SHALL BE ACCOMPLISHED THROUGH THE EXISTING WIRELESS SYSTEM. CURRENTLY THE WIRELESS SIGNAL IS SENT ACROSS THE JUNEAU-DOUGLAS BRIDGE FROM THIS LOCATION. CONTRACTOR SHALL VERIFY THAT COMMUNICATION IS FUNCTIONAL.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	1/28/19	SHIFTED SIGNAL POLE AND LUMINAIRE LOCATIONS	ALASKA	0932047/Z693930000	2018	J8	J24



PHASE DIAGRAM:

STRUCTURE AND JUNCTION BOX SUMMARY					
POLE	JUNCTION BOX	CABI NET	STATION	OFFSET	REMARKS
1A			42+37.4	-45.4	
1B			42+64.7	-50.8	
2A			42+71.0	77.8	
2B			42+87.8	52.9	
3A			43+78.2	54.5	
3B			43+39.1	50.6	
4			43+39.7	-59.1	
	10		42+49.0	-47.6	TYPE II JUNCTION BOX
	20		42+83.0	45.8	TYPE II JUNCTION BOX
	21		42+64.2	79.6	TYPE II JUNCTION BOX
	26		42+35.4	-5.0	TYPE II JUNCTION BOX
	30		43+84.6	48.8	TYPE II JUNCTION BOX
	34		43+43.0	40.0	TYPE II JUNCTION BOX
	35		43+60.6	5.8	TYPE II JUNCTION BOX
	40		43+45.6	-59.4	TYPE II JUNCTION BOX
	TC		42+49.0	-53.4	NEW TRAFFIC CONTROLLER AT LOCATION OF EXISTING TRAFFIC CONTROLLER



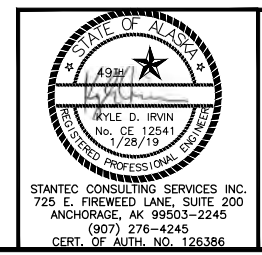
NOTES:

- 1 FURNISH AND INSTALL MICROWAVE VEHICLE DETECTOR ON SIGNAL POLE
- 2 FURNISH AND INSTALL SPARE 3" CONDUIT.
- 3 FURNISH AND INSTALL NEW SIZE 7 CONTROLLER CABINET WITH NEW M60 CONTROLLER.
- 4 FURNISH AND INSTALL LOAD CENTER.
- 5 FURNISH AND INSTALL NEW PTZ CAMERA ON LUMINAIRE MAST ARM.

REMOVAL NOTES (THIS SHEET ONLY):

- RS REMOVE AND SALVAGE ALL EXISTING TRAFFIC SIGNAL EQUIPMENT.
- AB ABANDON ALL EXISTING SIGNAL CONDUIT AND REMOVE CONDUCTORS.
- RC ALL EXISTING SIGNAL JUNCTION BOXES SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
- FA FOUNDATIONS TO BE REMOVED FOR ALL EXISTING SIGNAL POLES.

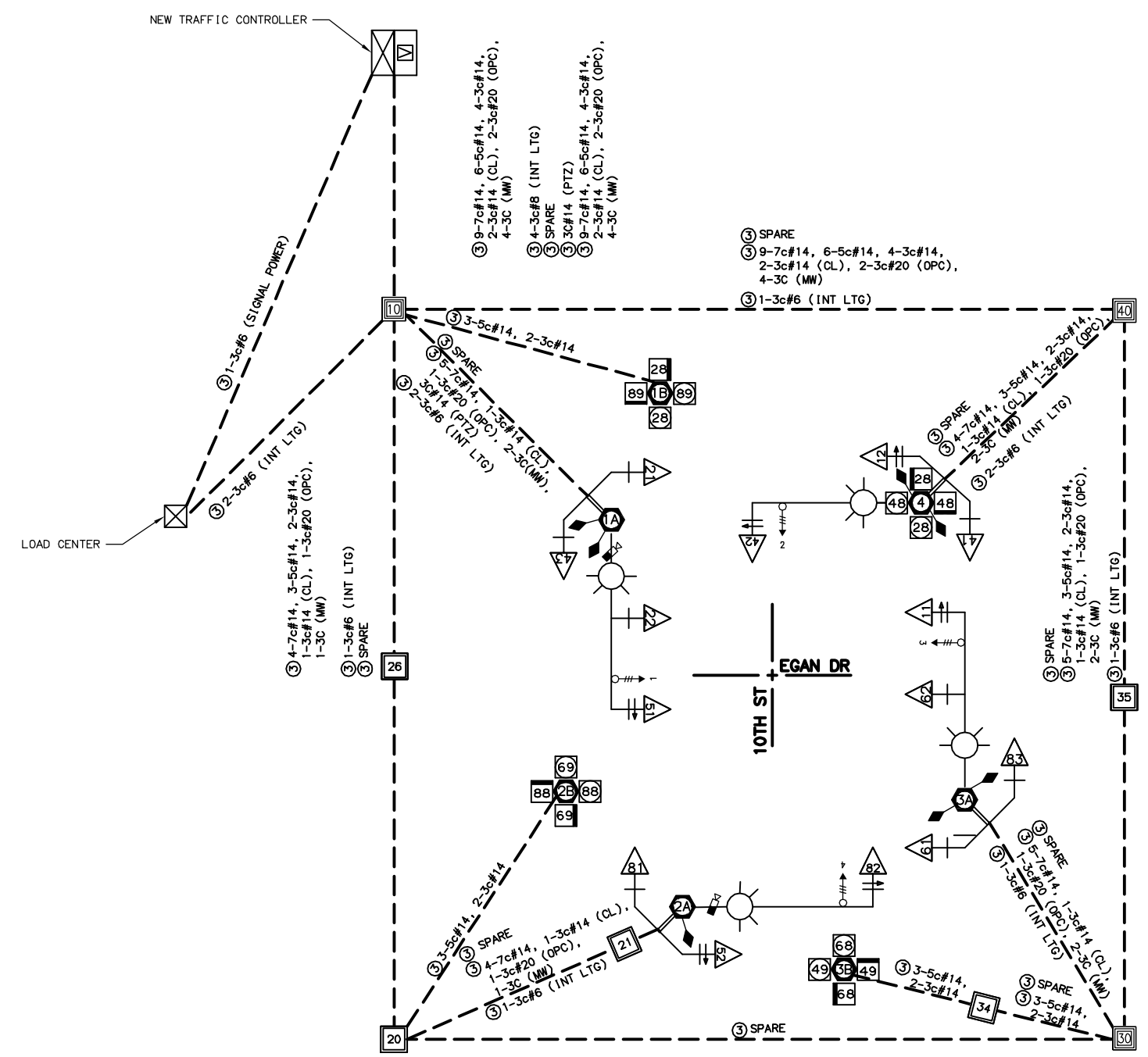
THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK
 TRAFFIC SIGNAL EGAN DR. AND
 10TH ST.**

STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 (907) 276-4245
 CERT. OF AUTH. NO. 126386

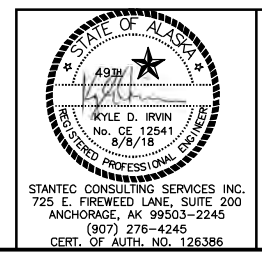
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J9	J24



WIRING NOTES:

- CONNECT CABLES TO THE SIGNAL EQUIPMENT AS FOLLOWS:

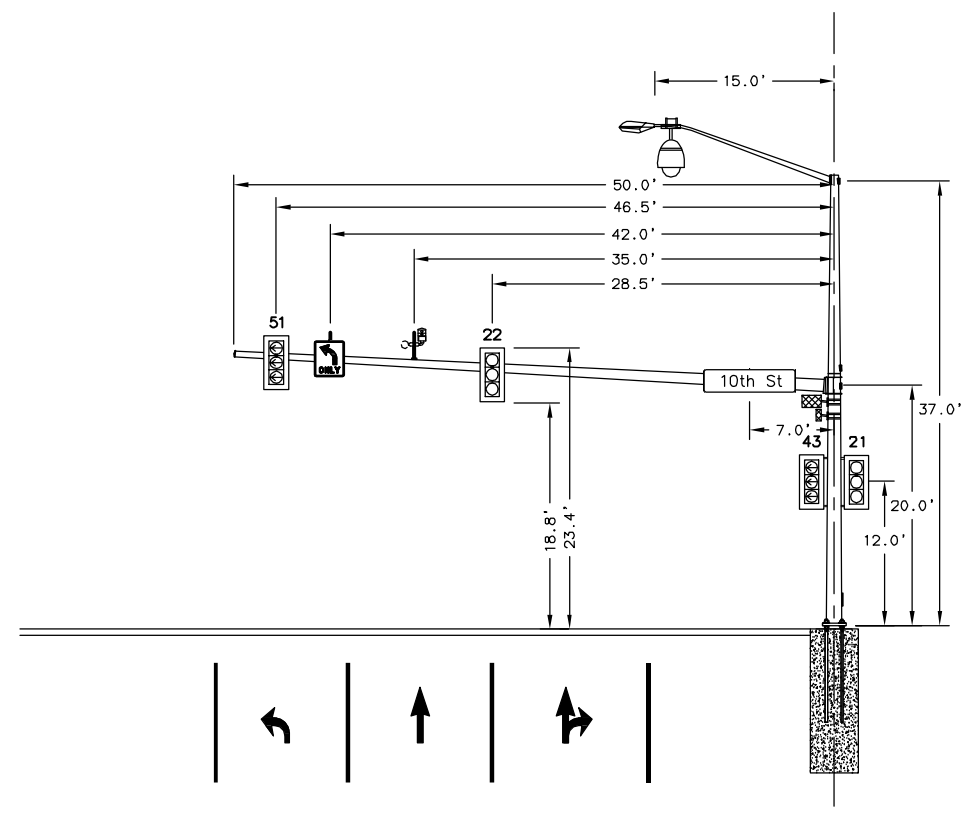
SIGNAL HEADS	1-7c#14
PEDESTRIAN PUSH BUTTONS	1-3c#14
PEDESTRIAN SIGNAL HEADS	1-5c#14
EVP DETECTORS	1-3c#14, 1-3c#20
MICROWAVE DETECTORS	1-3C (MW)
PAN/TILT/ZOOM CAMERA	3C#14 (PTZ)



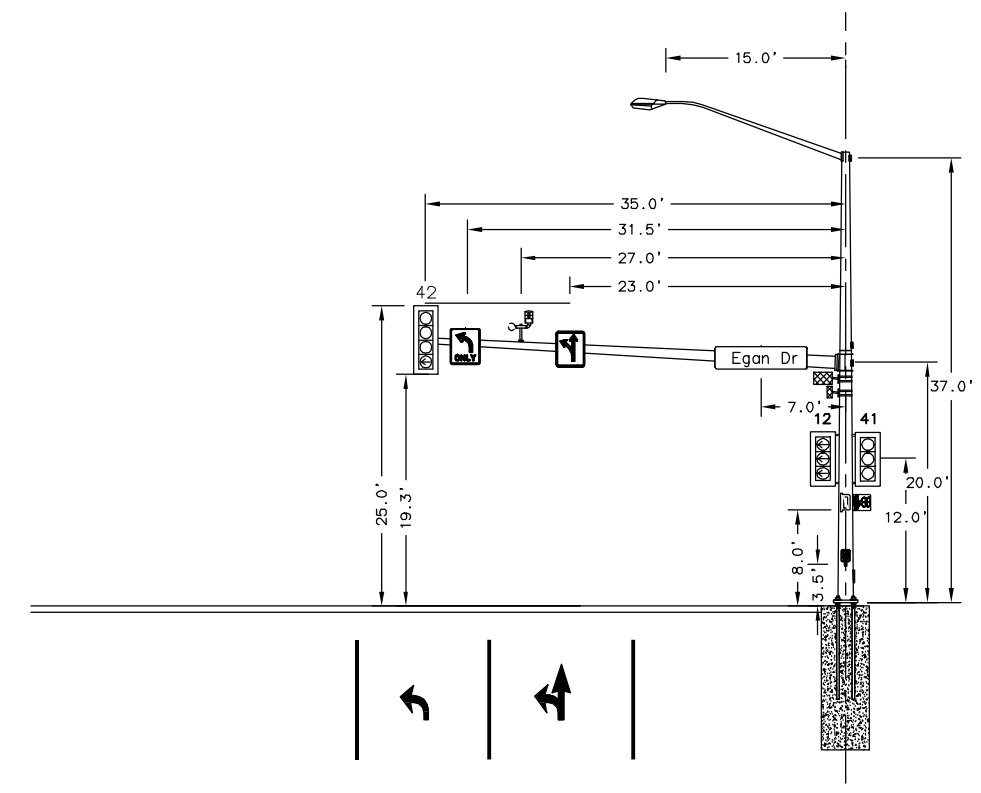
STANTEC CONSULTING SERVICES INC.
725 E. FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
(807) 276-4245
CERT. OF AUTH. NO. 126386

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
MAIN STREET TO 10TH STREET
JUNEAU, AK**
WIRING DIAGRAM
EGAN DR. AND 10TH ST.

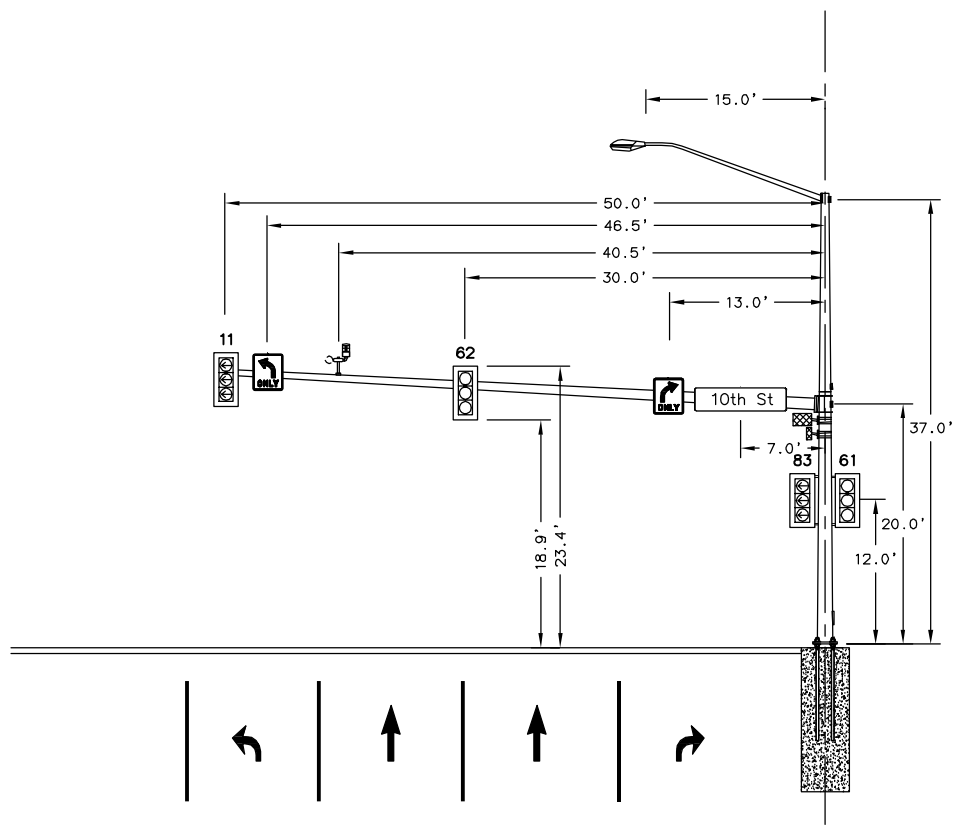
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			ALASKA	0932047/Z693930000	2018	J10	J24



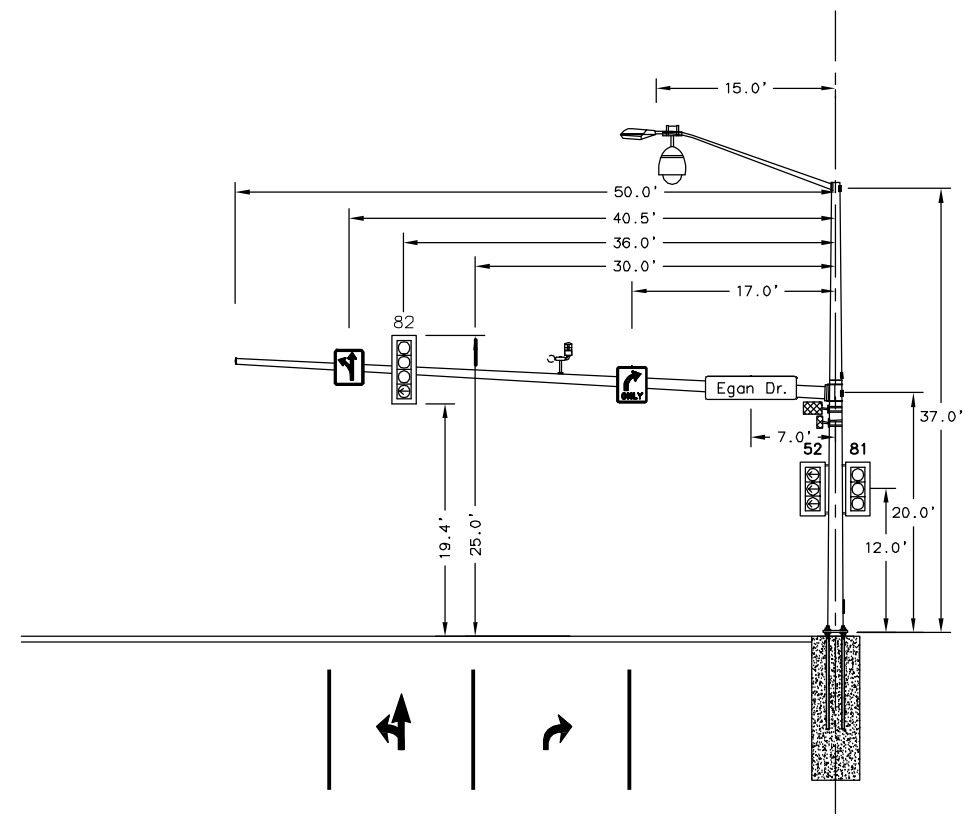
SIGNAL POLE #1A
LOOKING NORTH



SIGNAL POLE #4
LOOKING EAST

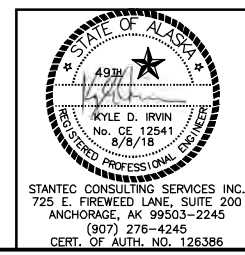


SIGNAL POLE #3A
LOOKING SOUTH



SIGNAL POLE #2A
LOOKING WEST

- LEGEND:**
- PROPOSED MICROWAVE DETECTION UNIT (FRONT VIEW)
 - PROPOSED MICROWAVE DETECTION UNIT (SIDE VIEW)
 - PROPOSED PAN/TILT/ZOOM (PTZ) CAMERA

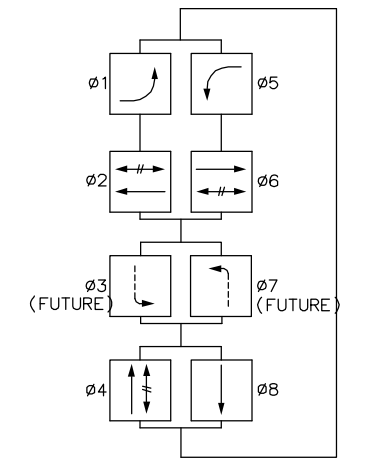
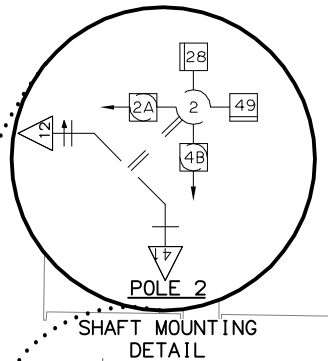
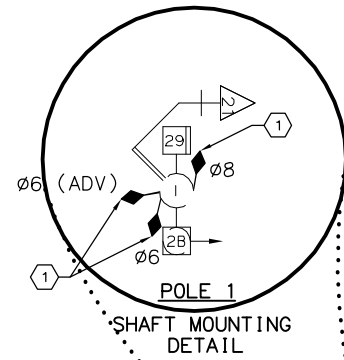


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DRIVE IMPROVEMENTS –
MAIN STREET TO 10TH STREET
JUNEAU, AK
TRAFFIC SIGNAL EGAN DR. AND
10TH ST.**

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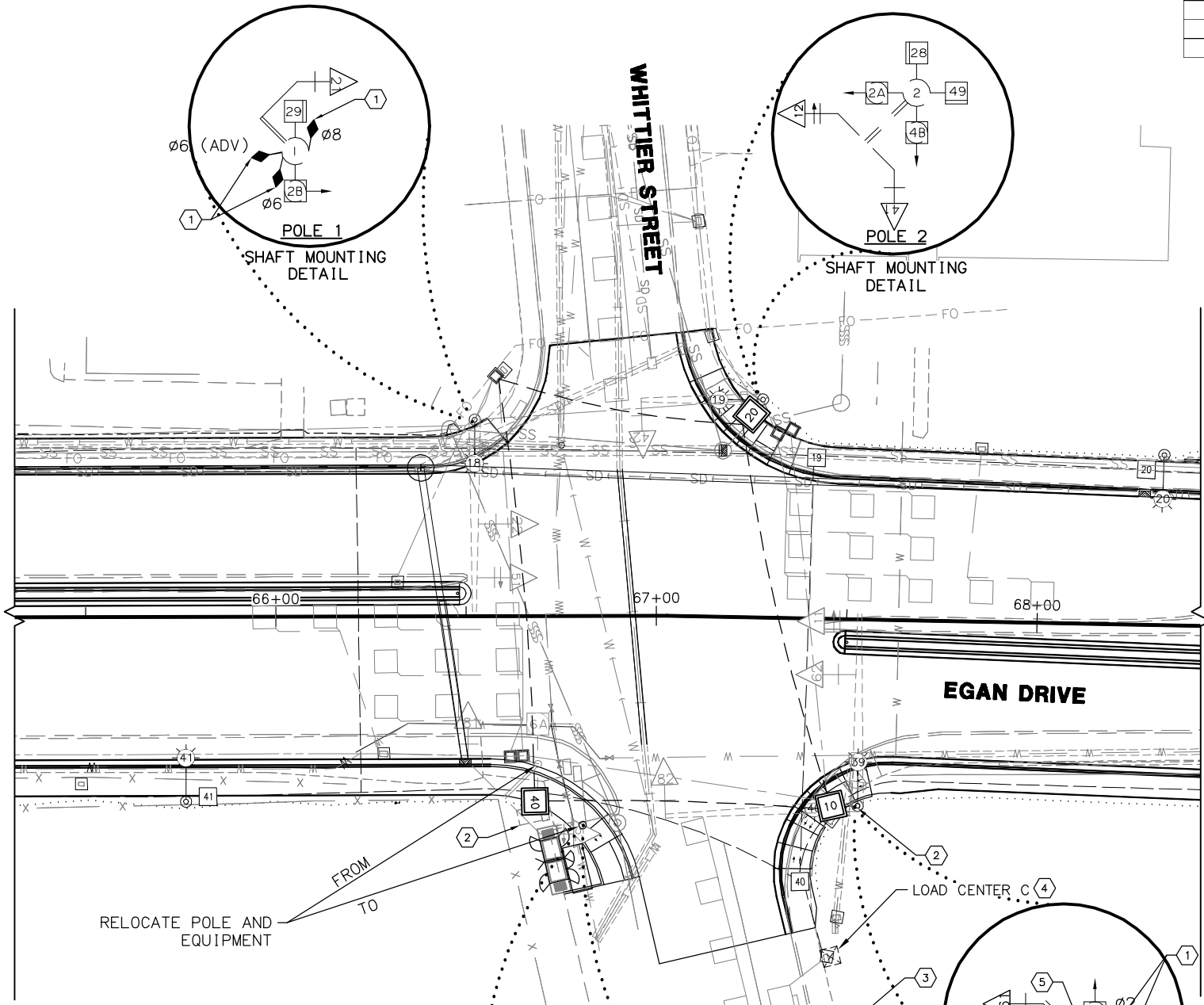
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			ALASKA	0932047/Z693930000	2018	J11	J24



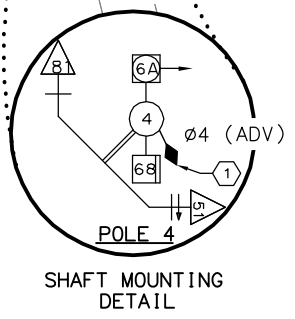
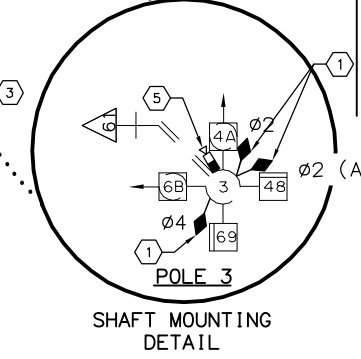
// PEDESTRIAN MOVEMENT
 —> PROTECTED VEHICLE MOVEMENT
 - - - PERMITTED VEHICLE MOVEMENT

PHASE DIAGRAM:

STRUCTURE AND JUNCTION BOX SUMMARY					
POLE	JUNCTION BOX	CABINET	STATION	OFFSET	REMARKS
P4			66+80.5	55.0	
	10		67+46.8	49.1	REPLACE EXISTING JUNCTION BOX IF DAMAGED DURING CONSTRUCTION WITH TYPE II JUNCTION BOX.
	20		67+23.9	-52.3	REPLACE EXISTING JUNCTION BOX IF DAMAGED DURING CONSTRUCTION WITH TYPE II JUNCTION BOX.
	40		66+68.0	48.7	RELOCATION OF JUNCTION BOX FROM EXISTING LOCATION TO NEW LOCATION DUE TO CURB PULL BACK.
		TC	67+54.6	106.8	NEW TRAFFIC CONTROLLER AT LOCATION OF EXISTING TRAFFIC CONTROLLER
		TRANSFORMER	66+79.1	66.1	RELOCATE EXISTING ELECTRICAL TRANSFORMER.



RELOCATE POLE AND EQUIPMENT FROM TO



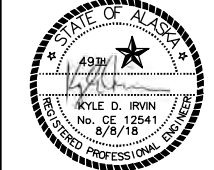
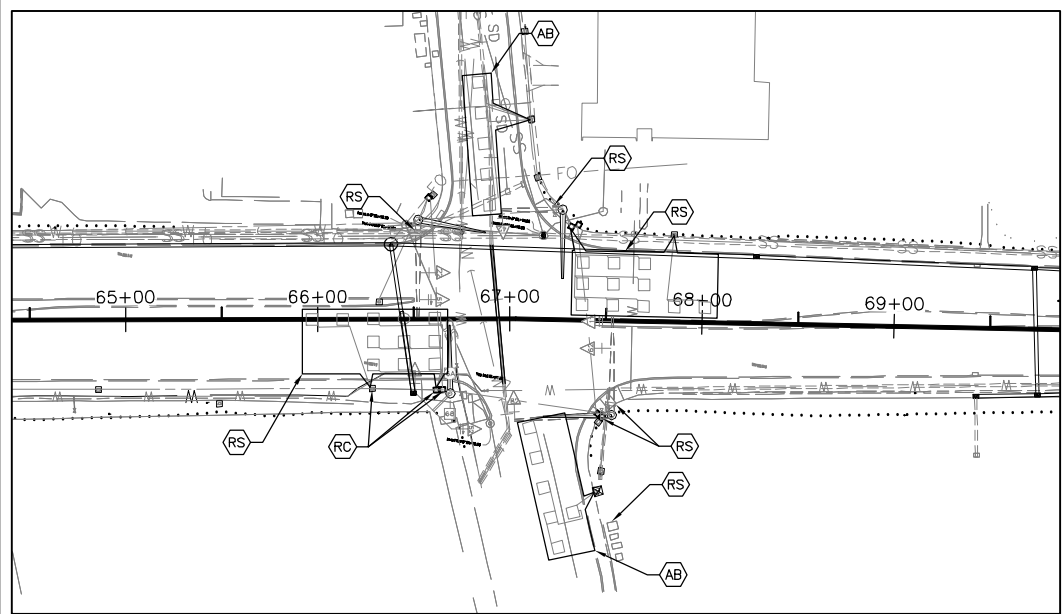
NOTES:

- ① FURNISH AND INSTALL MICROWAVE VEHICLE DETECTOR ON SIGNAL POLE.
- ② PROTECT IN PLACE.
- ③ FURNISH AND INSTALL NEW SIZE 7 CONTROLLER CABINET WITH NEW M60 CONTROLLER.
- ④ FURNISH AND INSTALL LOAD CENTER.
- ⑤ FURNISH AND INSTALL NEW PTZ CAMERA ON LUMINAIRE MAST ARM.

REMOVAL NOTES (THIS SHEET ONLY):

- RS REMOVE AND SALVAGE ALL EXISTING TRAFFIC SIGNAL EQUIPMENT.
- AB ABANDON ALL EXISTING SIGNAL CONDUIT AND REMOVE CONDUCTORS.
- RC ALL EXISTING SIGNAL JUNCTION BOXES SHALL BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR.
- FA FOUNDATIONS TO BE REMOVED FOR ALL EXISTING SIGNAL POLES.

THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY



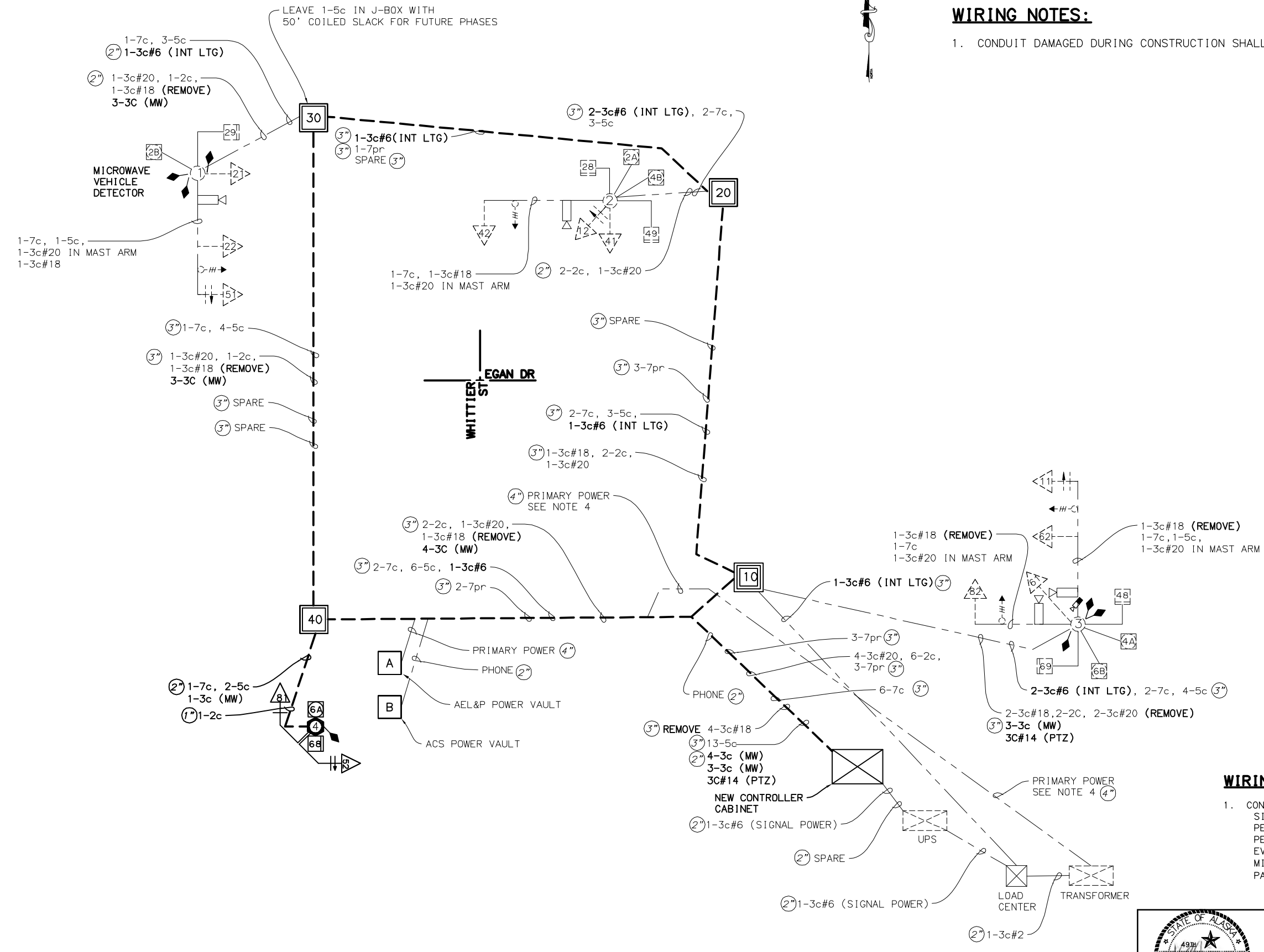
STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 (907) 276-4245
 CERT. OF AUTH. NO. 126386

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK
 TRAFFIC SIGNAL
 EGAN DR. AND WHITTIER ST.**

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FILE U:\2047053100\Drawings\Sheet\2047053100_TS_WHITTIER-WIRING-DIAGRAM.dwg DATE 8/8/2018 23:14 LAYOUT WHITTIER WIRING DESIGNED AH CHECKED JB DRAFTED MT

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			ALASKA	0932047/Z693930000	2018	J12	J24



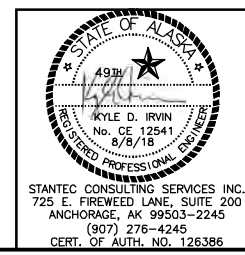
WIRING NOTES:

- CONDUIT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED NEW 3" CONDUIT.

WIRING NOTES:

- CONNECT CABLES TO THE SIGNAL EQUIPMENT AS FOLLOWS:

SIGNAL HEADS	1-7c#14
PEDESTRIAN PUSH BUTTONS	1-3c#14
PEDESTRIAN SIGNAL HEADS	1-5c#14
EVP DETECTORS	1-3c#14, 1-3c#20
MICROWAVE DETECTORS	1-3C (MW)
PAN/TILT/ZOOM CAMERA	3C#14 (PTZ)

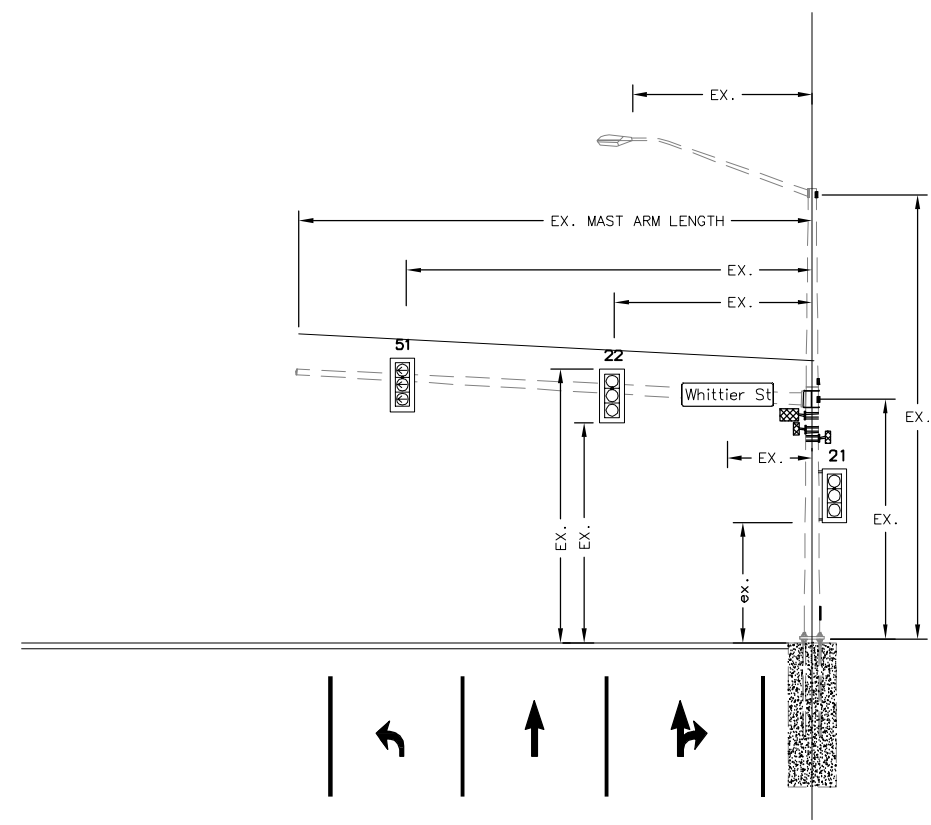


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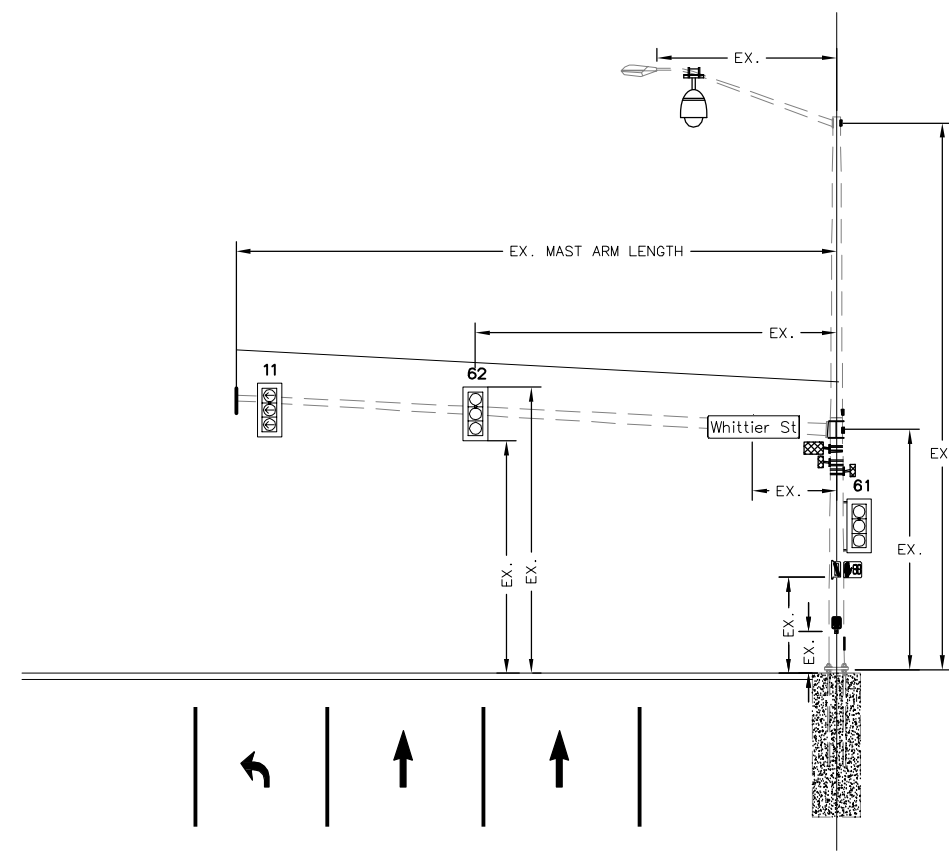
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK**
 WIRING DIAGRAM
 EGAN DR. AND WHITTIER ST.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J13	J24

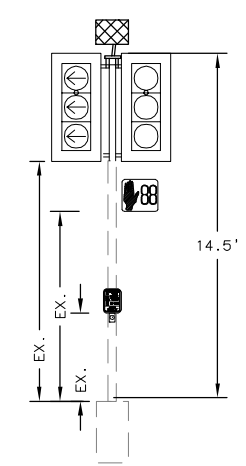
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SIGNAL POLE #1
LOOKING WEST






SIGNAL POLE #3
LOOKING EAST



SIGNAL POLE #4
LOOKING WEST

LEGEND:

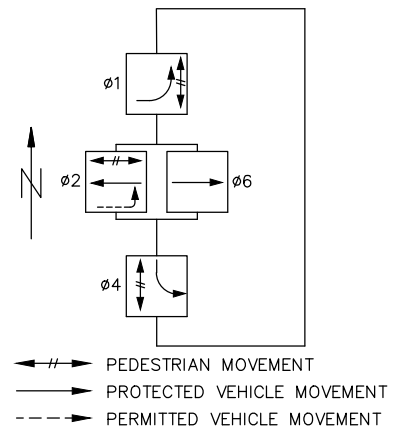
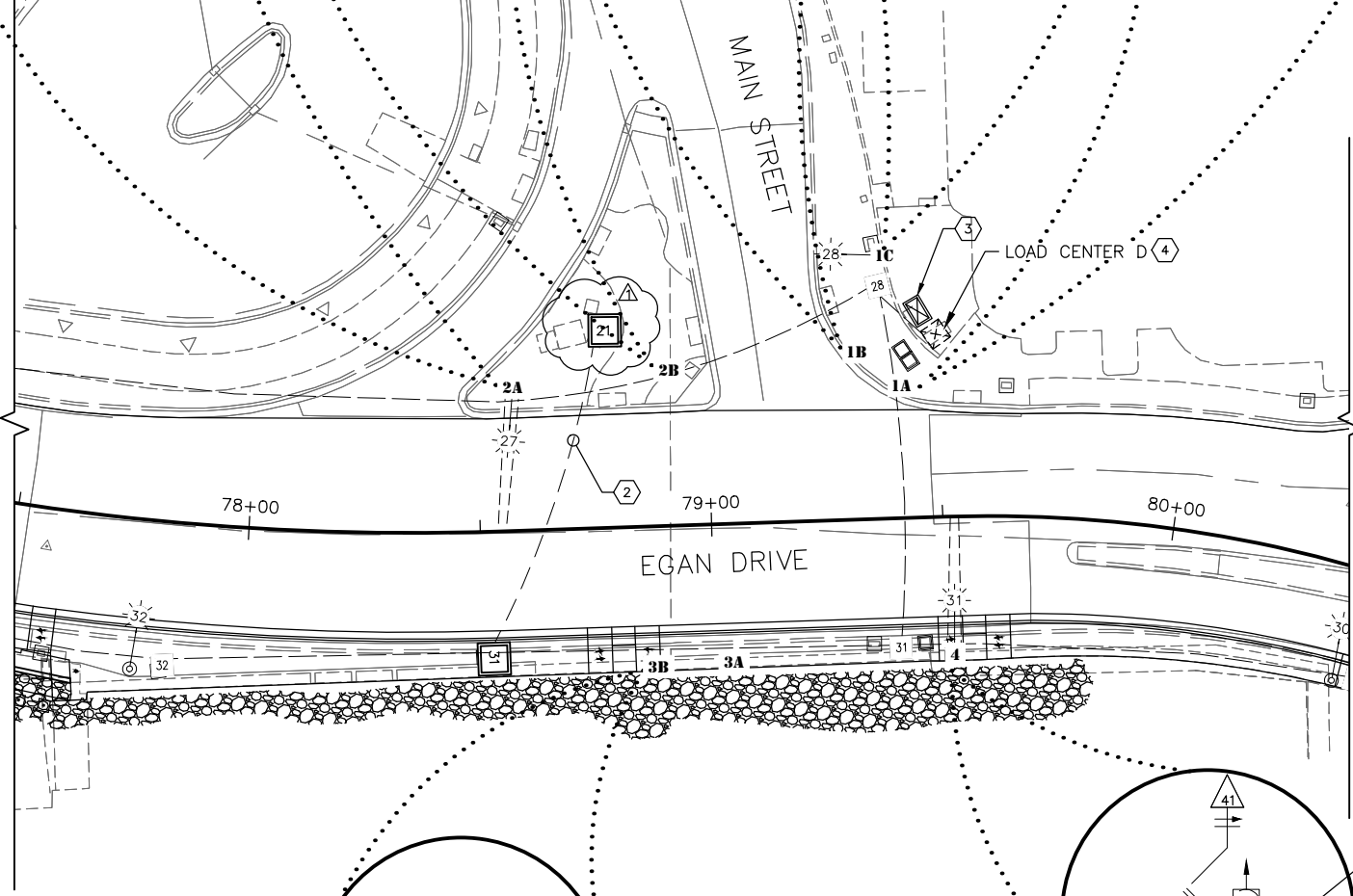
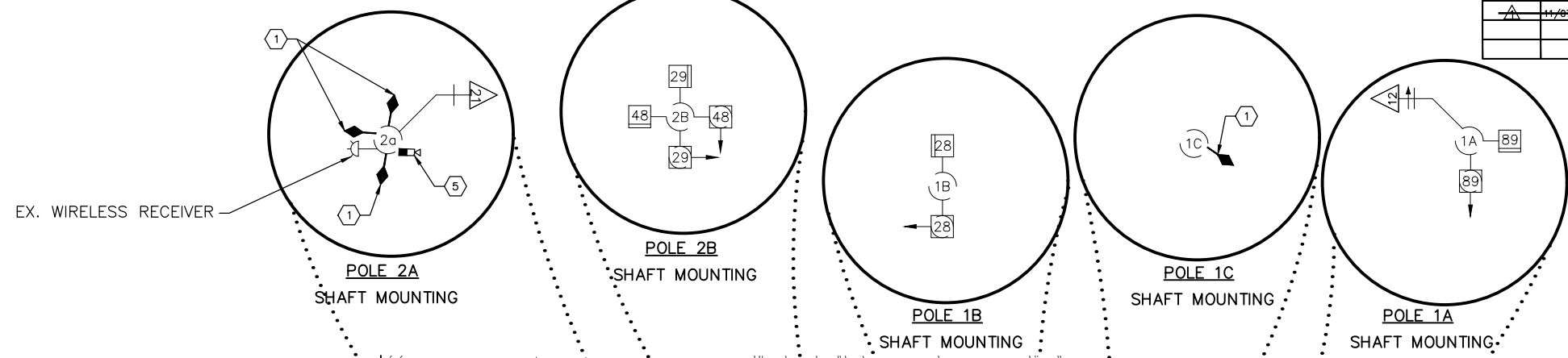
-  PROPOSED MICROWAVE DETECTION UNIT (FRONT VIEW)
-  PROPOSED MICROWAVE DETECTION UNIT (SIDE VIEW)
-  PROPOSED PAN/TILT/ZOOM (PTZ) CAMERA

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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK**
 TRAFFIC SIGNAL
 EGAN DR. AND WHITTIER ST.

FILE U:\2047053100\Record\2047053100_TS_MAIN_RT.dwg DATE 11/15/2018 12:00 LAYOUT MAIN LAYOUT DESIGNED AH CHECKED JB DRAFTED MT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	11/07/18	ADDED JUNCTION BOX, RADAR TYPES	ALASKA	0932047/Z693930000	2018	J14	J24



PHASE DIAGRAM:

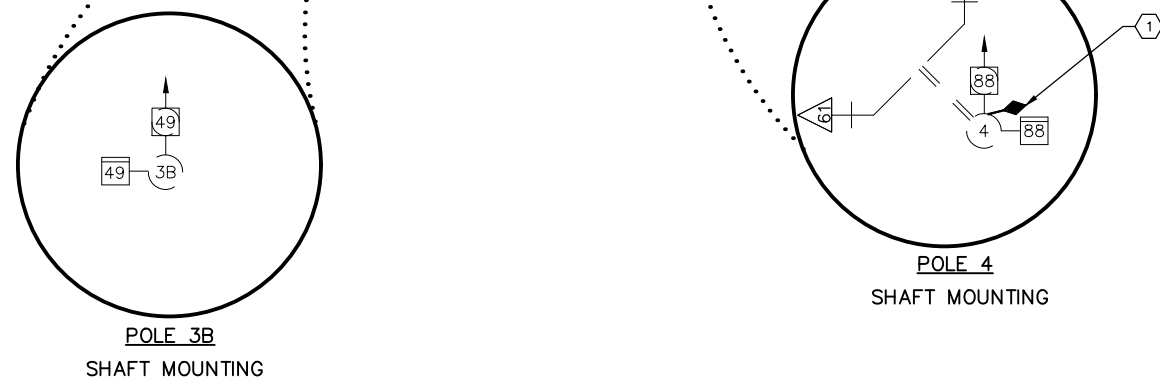
NOTES:

- 1 FURNISH AND INSTALL MICROWAVE VEHICLE DETECTOR ON SIGNAL POLE
- 2 FURNISH AND INSTALL SPARE 3" CONDUIT.
- 3 FURNISH AND INSTALL NEW SIZE 7 CONTROLLER CABINET WITH NEW M60 CONTROLLER WITH BATTERY BACKUP SYSTEM.
- 4 FURNISH AND INSTALL NEW LOAD CENTER.
- 5 FURNISH AND INSTALL NEW PTZ CAMERA ON LUMINAIRE MAST ARM.

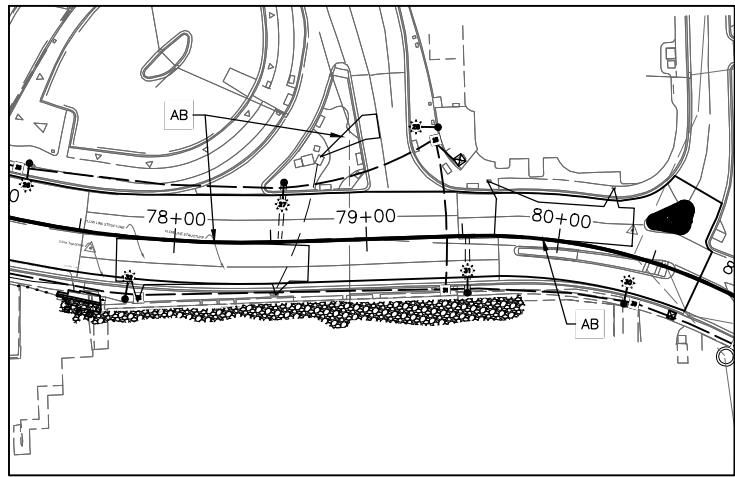
STRUCTURE AND JUNCTION BOX SUMMARY

POLE	JUNCTION BOX	CABINET	STATION	OFFSET	REMARKS
	21		78+78.2	-42.7	TYPE II JUNCTION BOX
	31		78+52.2	27.5	TYPE II JUNCTION BOX
	TC		79+46.0	-44.7	NEW TRAFFIC CONTROLLER AT LOCATION OF EXISTING TRAFFIC CONTROLLER

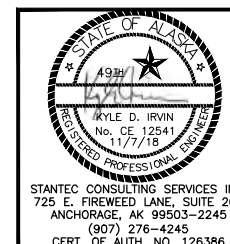
POLE	RADAR TYPE
1C	STOP BAR - WESTBOUND EGAN
2A	STOP BAR - SOUTHBOUND MAIN; STOP BAR - EASTBOUND EGAN; ADVANCED - EASTBOUND EGAN
4	ADVANCED - WESTBOUND EGAN



REMOVAL NOTES (THIS SHEET ONLY):
 AB ABANDON ALL EXISTING SIGNAL CONDUIT AND CONDUCTORS.



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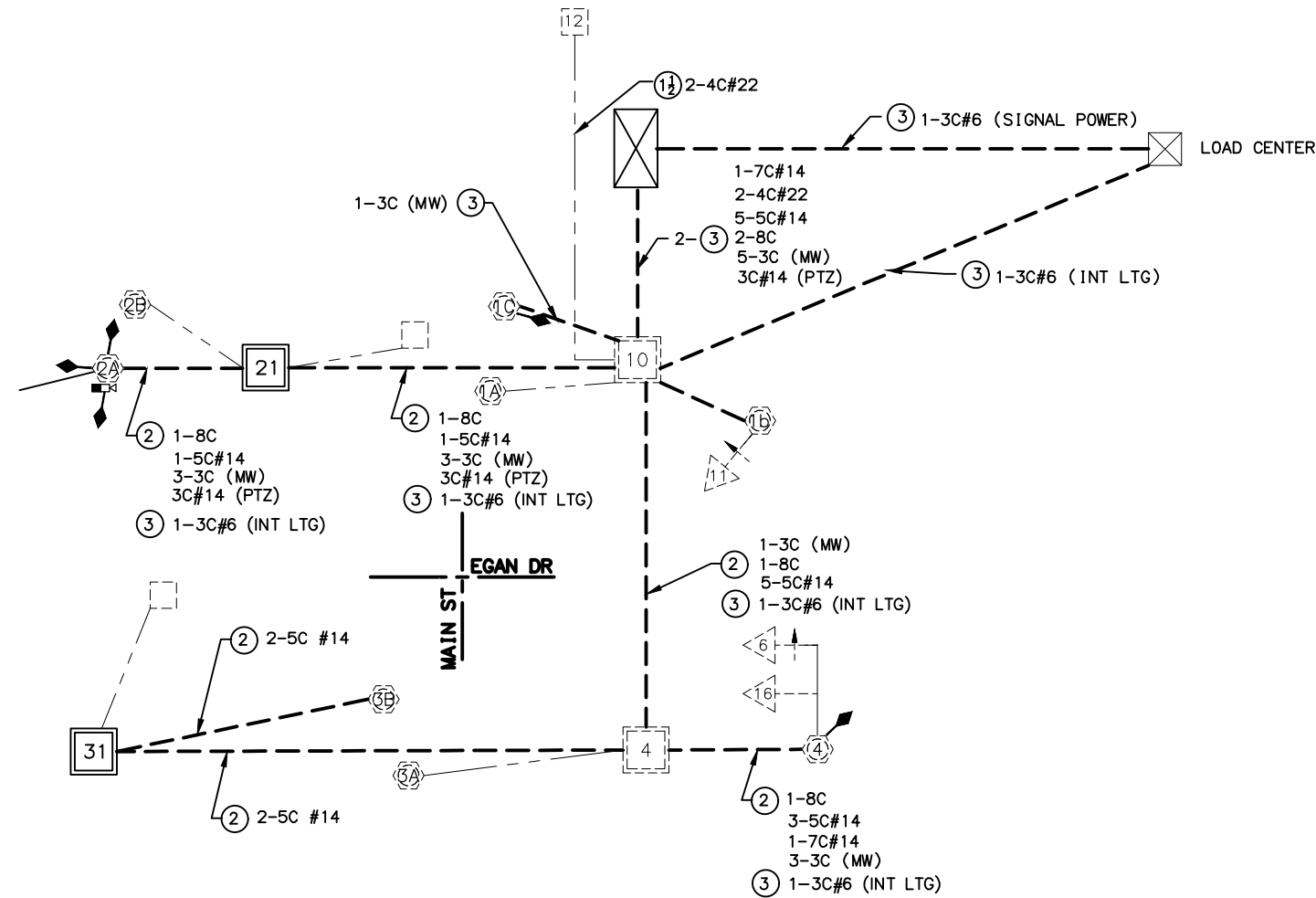
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS -
 MAIN STREET TO 10TH STREET
 JUNEAU, AK**
 TRAFFIC SIGNAL
 EGAN DR. AND MAIN ST.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J15	J24

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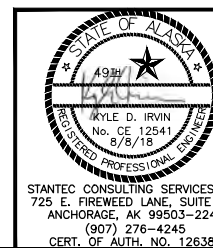
1. CONDUIT DAMAGED DURING CONSTRUCTION SHALL BE REPLACED WITH NEW 3" CONDUIT.



WIRING NOTES:

1. CONNECT CABLES TO THE SIGNAL EQUIPMENT AS FOLLOWS:

SIGNAL HEADS	1-7c#14
PEDESTRIAN PUSH BUTTONS	1-3c#14
PEDESTRIAN SIGNAL HEADS	1-5c#14
EVP DETECTORS	1-3c#14, 1-3c#20
MICROWAVE DETECTORS	1-3C (MW)
PAN/TILT/ZOOM CAMERA	3C#14 (PTZ)

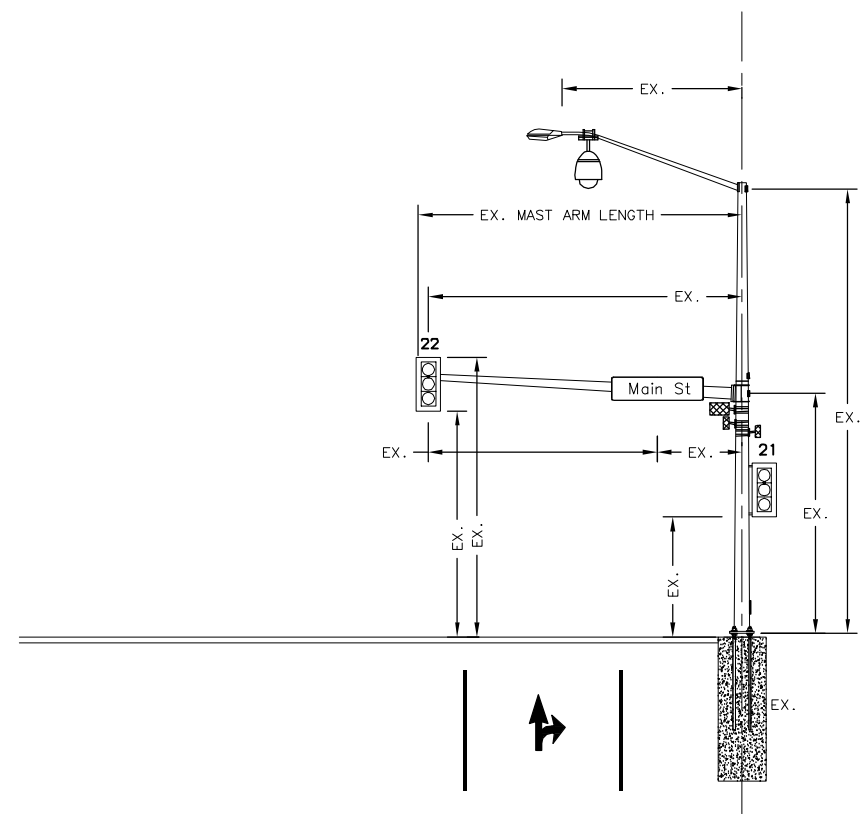


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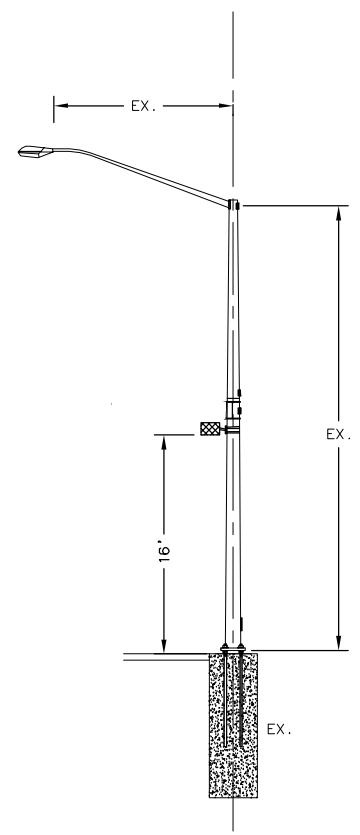
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK**
 WIRING DIAGRAM
 EGAN DR. AND MAIN ST.

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J16	J24




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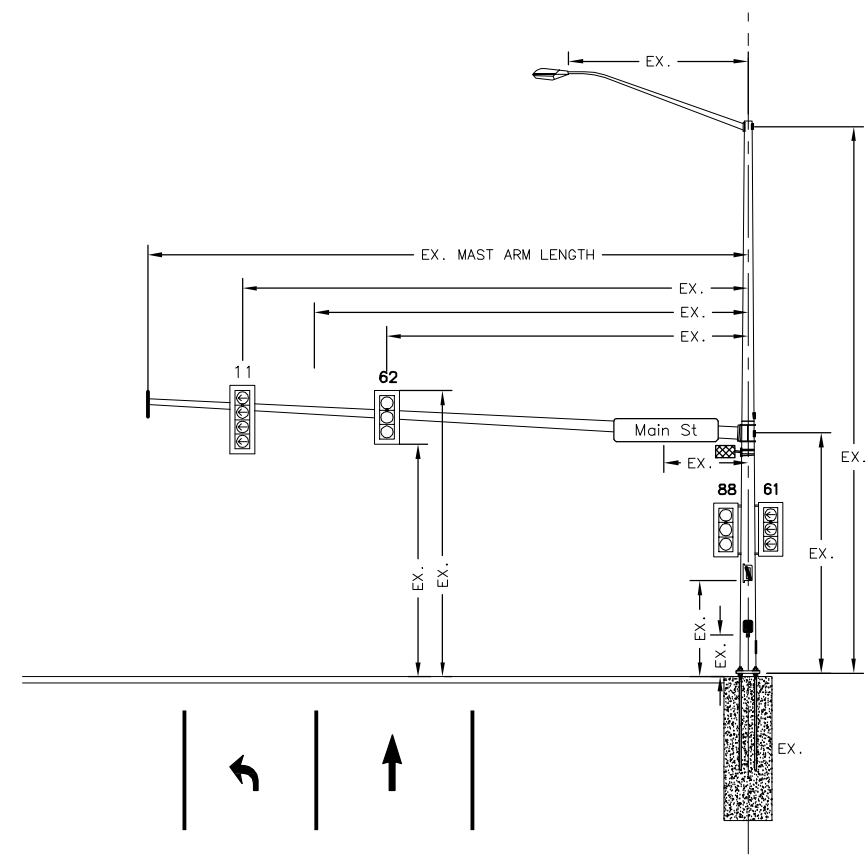


SIGNAL POLE #2A
LOOKING WEST

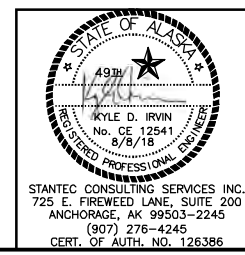


LUMINAIRE POLE #1C
LOOKING EAST

- LEGEND:**
-  PROPOSED MICROWAVE DETECTION UNIT (FRONT VIEW)
 -  PROPOSED MICROWAVE DETECTION UNIT (SIDE VIEW)
 -  PROPOSED PAN/TILT/ZOOM (PTZ) CAMERA



SIGNAL POLE #4
LOOKING EAST

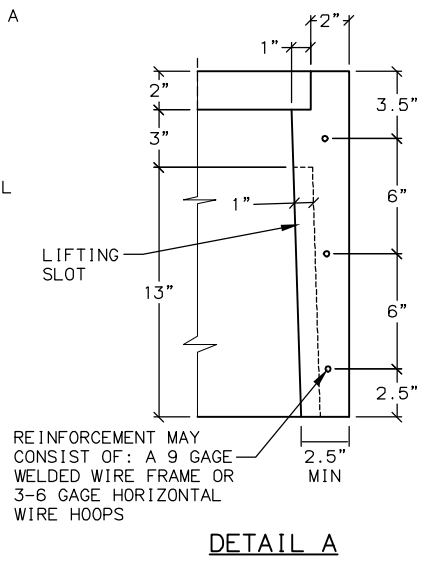
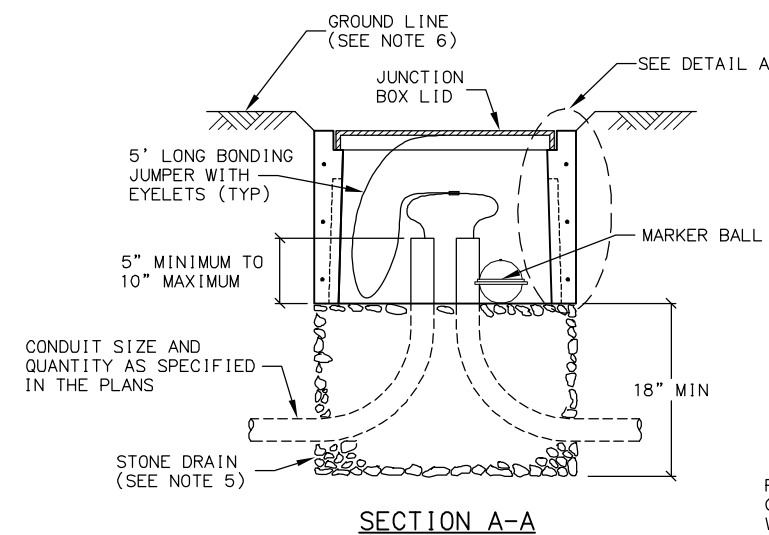
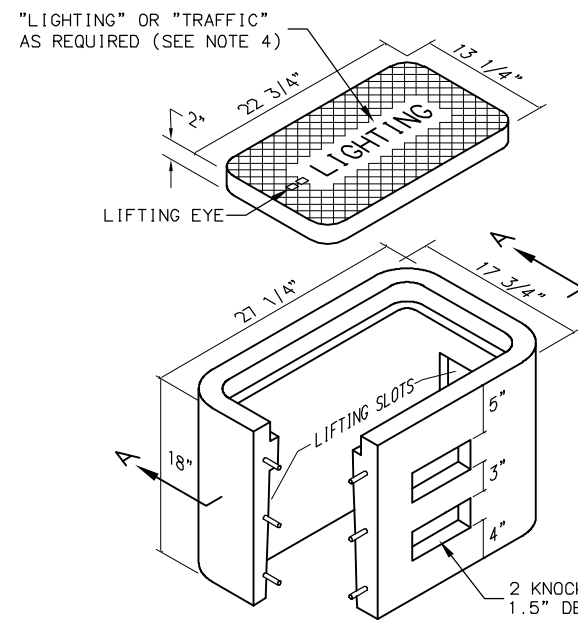


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DRIVE IMPROVEMENTS –
MAIN STREET TO 10TH STREET
JUNEAU, AK
TRAFFIC SIGNAL
EGAN DR. AND MAIN ST.**

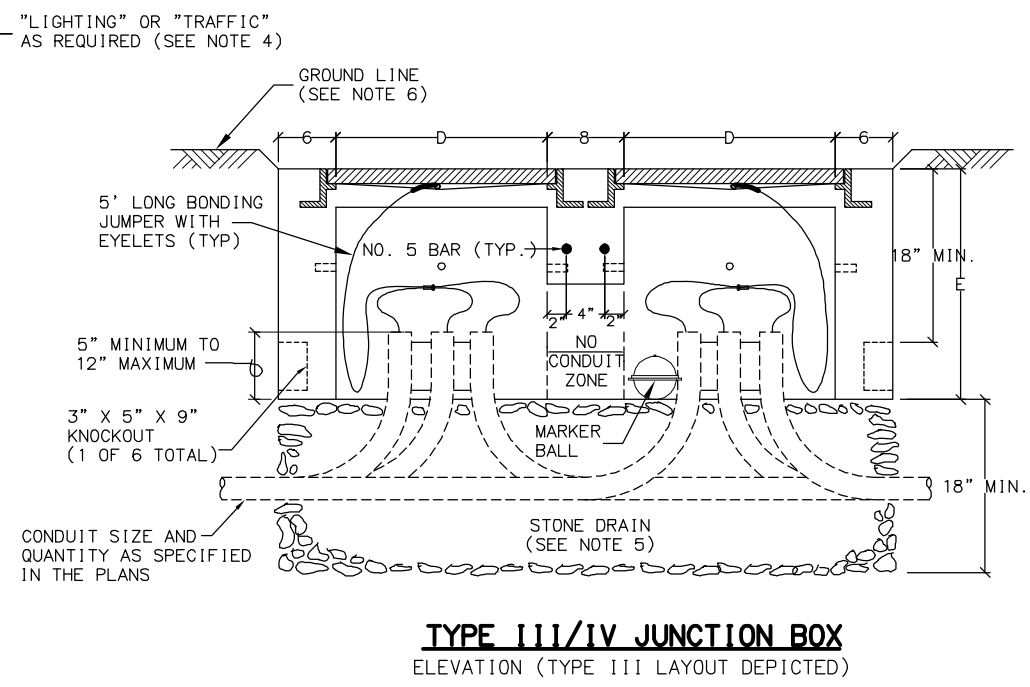
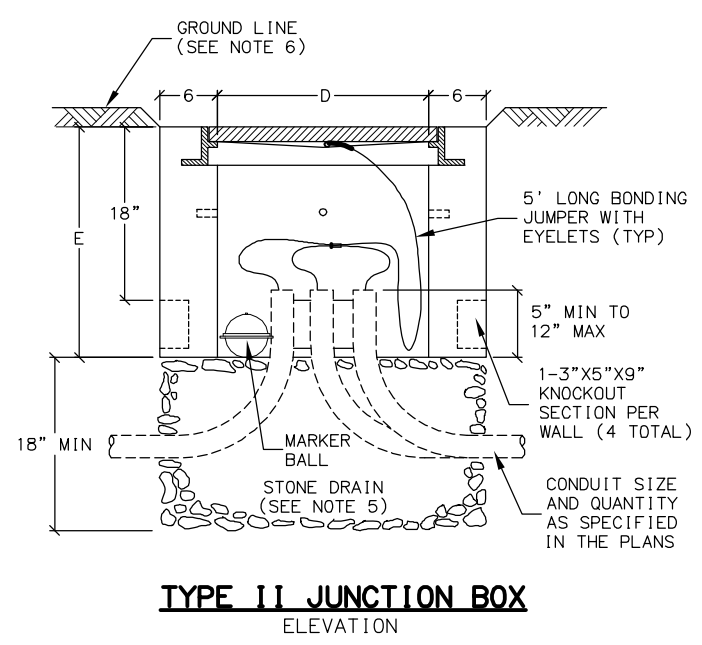
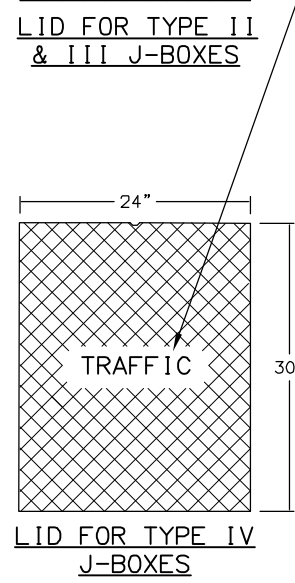
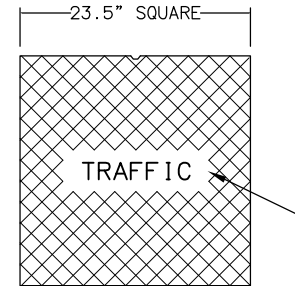
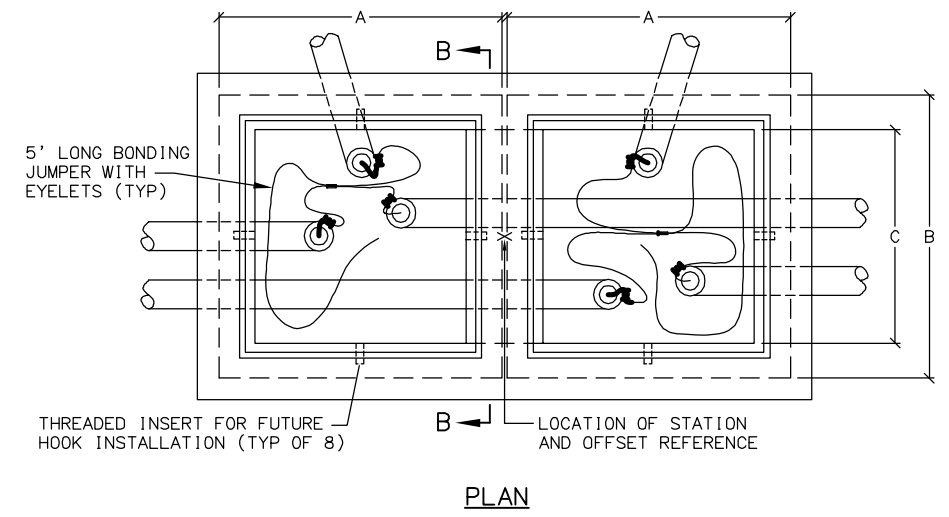
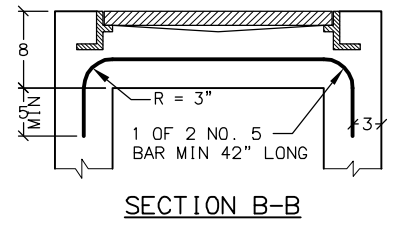
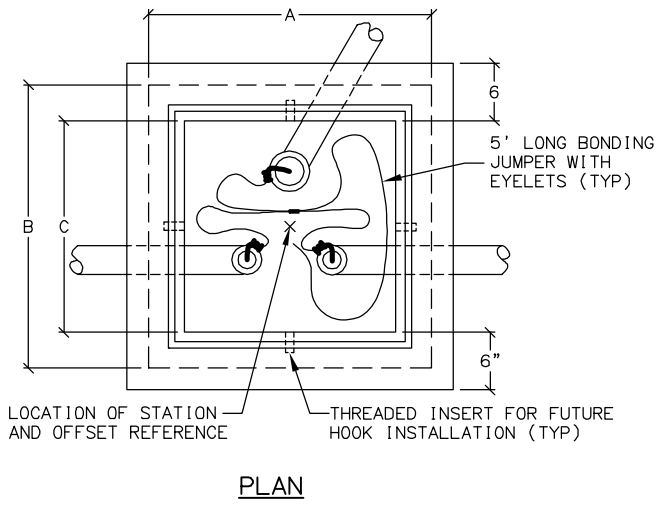
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J17	J24



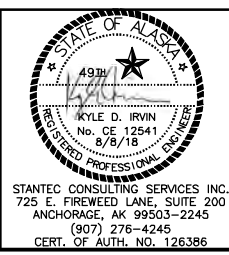
TYPE IA JUNCTION BOX

- NOTES:**
1. 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.
 2. 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.
 3. CONSTRUCT JUNCTION BOXES ACCORDING TO SECTION 501 USING CLASS A CONCRETE. REINFORCE TYPE IA JUNCTION BOXES AS SHOWN. SYNTHETIC STRUCTURAL FIBER-REINFORCED CONCRETE THAT MEETS ASTM C 1116 AND CONTAINS FIBER IN PROPORTIONS AS RECOMMENDED BY THE FIBER MANUFACTURER MAY BE ADDED FOR STRENGTH.
 4. 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.
 5. UNDER JUNCTION BOXES, INSTALL STONE DRAINS THAT CONSIST OF POROUS BACKFILL MATERIAL CONFORMING TO SUBSECTION 703-2.10.
 6. SET THE TOPS OF JUNCTION BOXES WITH THE FOLLOWING DIMENSIONS BELOW THE FINISHED SURROUNDING SURFACE:
 1" IN PAVED MEDIANS AND ADJACENT TO PEDESTRIAN FACILITIES
 1/4" IN PEDESTRIAN FACILITIES
 2" IN ALL OTHER AREAS
 7. 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.
 8. INSTALL LOOP DETECTOR TAILS THROUGH 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.
 9. INSTALL A 1/2" THICK PREFORMED BITUMINOUS JOINT MATERIAL AROUND JUNCTION BOXES INSTALLED IN PORTLAND CEMENT CONCRETE WALKWAYS.
 10. INSTALL AN ELECTRONIC MARKER BALL IN ALL JUNCTION BOXES PER SUBSECTION 660-3.04.
 11. PRIOR TO INSTALLATION MARK ALL JUNCTION BOX LOCATIONS WITH A WIRE STAFF VINYL FLAG. THE FLAG SHALL BE RED IN COLOR AND MINIMUM 4-INCHES TALL BY 5-INCHES WIDE. THE WIRE STAFF SHALL BE 21-INCHES IN LENGTH AND CONSTRUCTED OF MINIMUM 15.5 GAUGE STEEL.



J-BOX DIMENSIONS

J-BOX TYPE	DIMENSIONS				
	A (MAX.)	B (MAX.)	C (MIN.)	D (MIN.)	E (MIN.)
II	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"



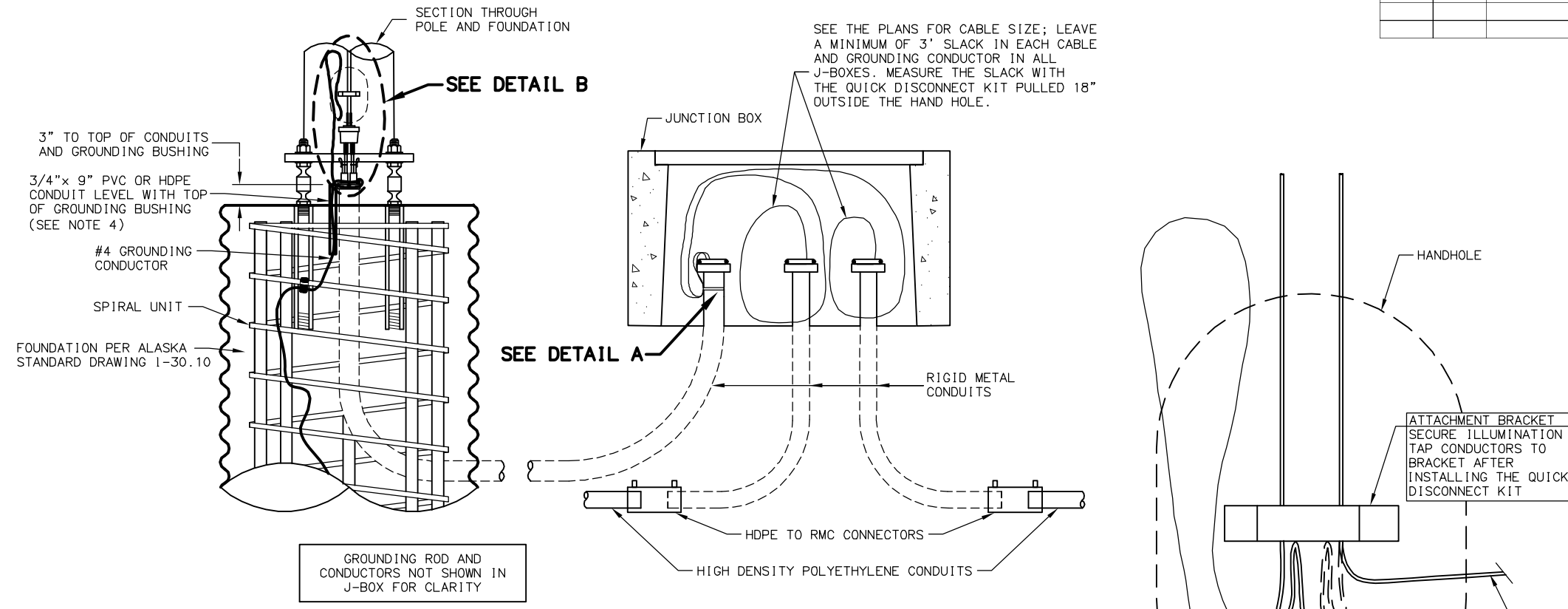
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK**
JUNCTION BOX DETAILS

STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
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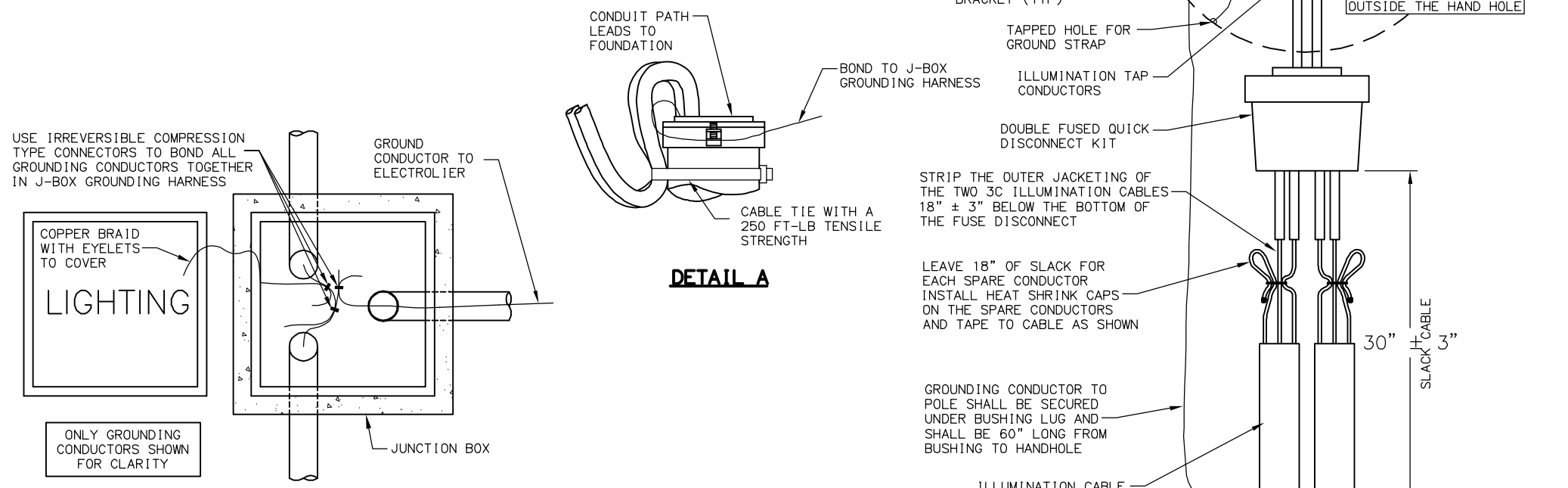
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J18	J24

NOTES:

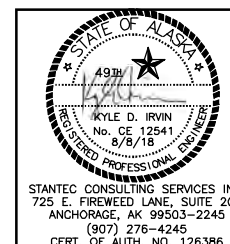
1. APPLICATION FOR SLIP BASE IS THE SAME EXCEPT FOR BONDING. SEE SUBSECTION 660-3.06 FOR BONDING.
2. LABEL ALL CABLES AND CONDUCTORS IN POLE BASE AND J-BOX. SEE SUBSECTION 660-3.05.
3. MAKE ALL GROUNDING AND BONDING WIRE #8 AWG, EXCEPT IN THOSE CONDUITS THAT CONTAIN CIRCUIT CONDUCTORS LARGER THAN #8 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.



LIGHTING SYSTEM POLE AND J-BOX WIRING DETAILS



GROUNDING CONDUCTOR BONDING CONNECTIONS



STATE OF ALASKA
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EGAN DRIVE IMPROVEMENTS –
MAIN STREET TO 10TH STREET
JUNEAU, AK

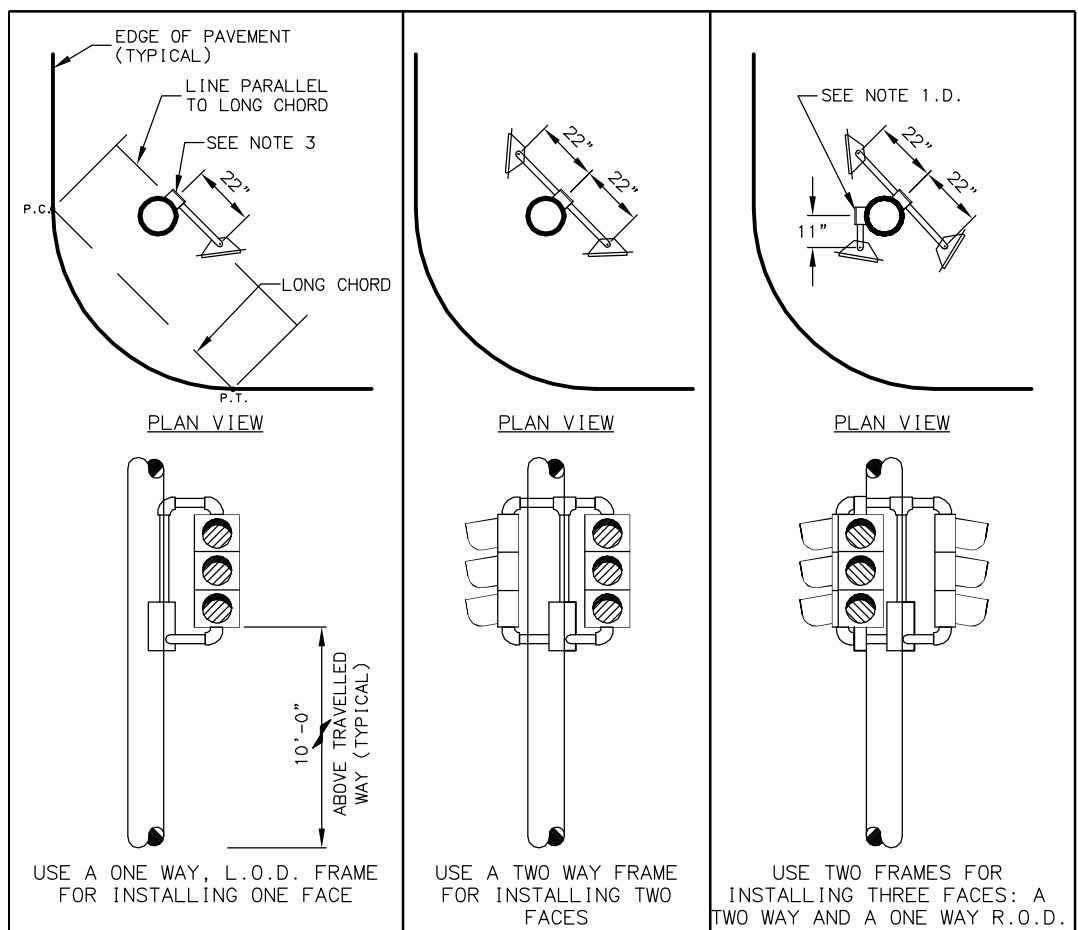
POLE WIRING AND GROUNDING
DETAIL

STANTEC CONSULTING SERVICES INC.
725 E. FIREWEED LANE, SUITE 200
ANCHORAGE, AK 99503-2245
(907) 276-4245
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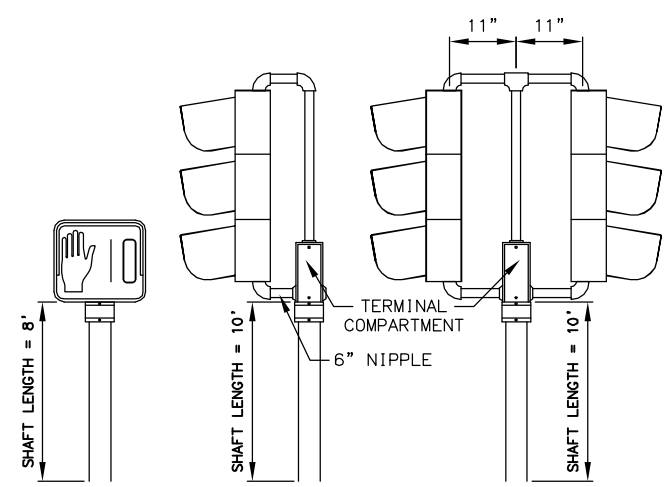
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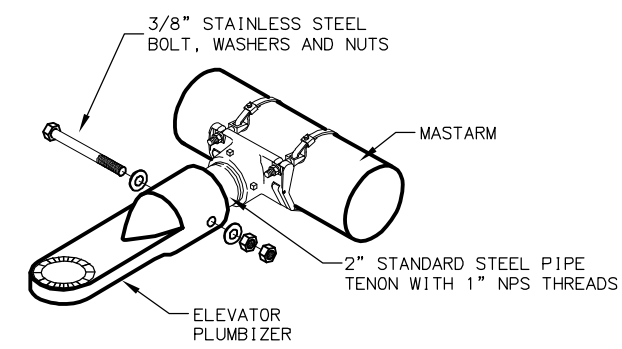
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J19	J24



SIDE MOUNTED SIGNAL FRAMES WITH VEHICULAR SIGNALS
 (SHOWN WITHOUT BACKPLATES)



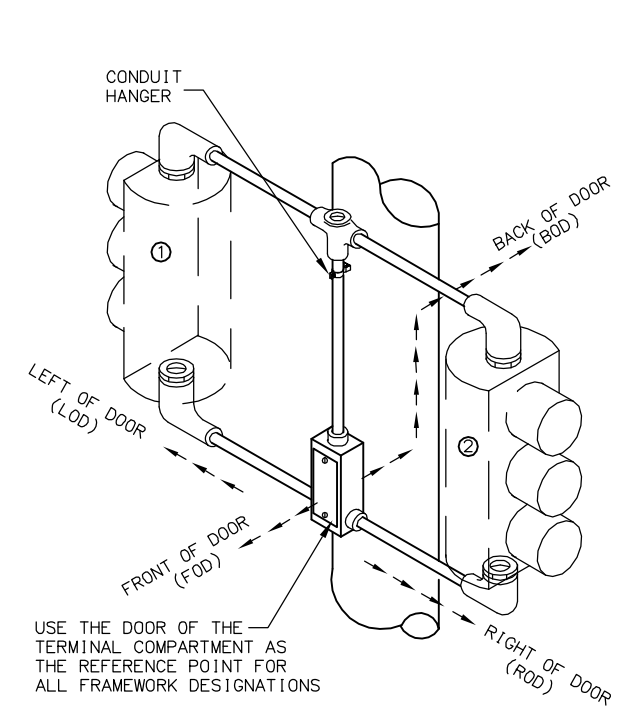
POST MOUNTED SIGNALS
 (SHOWN WITHOUT BACKPLATE)



ELEVATOR PLUMBIZER
 (SEE NOTE 1.A.)

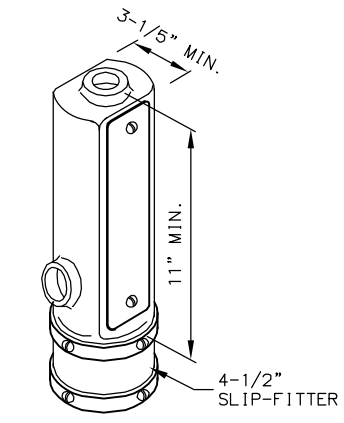
NOTES:

- INSTALL THE SIGNAL FACES SHOWN IN THE PLANS AS DETAILED ON THIS SHEET AND PER ALASKA TRAFFIC MANUAL.
 - USE ELEVATOR PLUMBIZERS TO INSTALL FACES ON MASTARMS AND WHENEVER TWO INCH PIPE TENONS ARE SPECIFIED. INSTALL THE PLUMBIZER BETWEEN THE RED AND YELLOW SIGNAL INDICATIONS FOR A THREE SECTION HEAD AND BETWEEN THE TWO YELLOW SIGNAL INDICATIONS FOR A FOUR SECTION HEAD. USE STAINLESS STEEL BAND MOUNT HARDWARE, AB-3007-L AS MANUFACTURED BY PELCO PRODUCTS, INC., OR APPROVED EQUAL TO INSTALL PLUMBIZER TO MASTARMS. PELCO MOUNT SHALL HAVE STAINLESS STEEL OPTION.
 - USE SLIP FITTERS TO INSTALL PEDESTRIAN SIGNALS ON THE TOP OF POSTS.
 - USE SIGNAL FRAMES TO INSTALL SIGNAL FACES ON THE SIDES OF POLES AND ON THE TOPS OF POSTS.
 - USE A SECOND SIGNAL FRAME TO INSTALL THE THIRD FACE WHEN THREE SIDE MOUNTED SIGNAL FACES ARE SHOWN.
 - USE CLAMHELL BRACKETS TO INSTALL ALL PEDESTRIAN SIGNALS, EXCEPT THOSE THAT ARE POST TOP MOUNTED.
- FURNISH ALL SIGNAL FRAMES WITH TERMINAL COMPARTMENTS.
- INSTALL ONE TERMINAL COMPARTMENT ON THE SIDE OF THE POLE OPPOSITE THE MIDPOINT OF THE RADIUS RETURN. POSITION THE TERMINAL COMPARTMENT AT THE LOCATION WHERE A LINE PARALLEL TO THE LONG CHORD (P.C. TO P.T.) OF THE RADIUS RETURN IS TANGENT TO THE POLE.
- INSTALL PEDESTRIAN INDICATION TO FACE THE CENTER OF THE FAR SIDE CROSSWALK. ACCEPTABLE VARIANCE IS +/- 1 DEGREE.
- FIELD DRILL THE HOLES NEEDED FOR ATTACHING ALL SIGNAL HARDWARE. USE HOLE SAWS WHEN DRILL BITS ARE NOT AVAILABLE. TREAT THE BARE STEEL SURFACES IN ACCORDANCE WITH SECTION 660-3.01.8, REPAIRING DAMAGED FINISHES, OF THE STANDARD SPECIFICATIONS.
- PROVIDE LOUVERED BACKPLATES SIZED FOR THE NUMBER OF SIGNAL SECTIONS AND MOUNTING TYPE, SO THAT NO LIGHT IS VISIBLE BETWEEN THE BACKPLATE AND THE SIGNAL FACE. FURNISH BACKPLATES FOR DOGHOUSE STYLE SIGNALS THAT FEATURE NOTCHED UPPER CORNERS. THE FRONT PLATES SHALL HAVE A 3" WIDE YELLOW TYPE IV RETROREFLECTIVE FINISH OR SHEETING AS A BORDER AROUND THE BACKPLATE.
- ATTACH ALL BACK PLATES USING PLATED STEEL RIVETS WITH LARGE FLANGE BUTTON HEADS. INSTALL 0.187" DIAMETER BY 0.575" LONG RIVETS THAT PROVIDE AT LEAST 530 LBS. AND 670 LBS. SHEAR AND TENSILE STRENGTHS, RESPECTIVELY. BORE OUT THE MOUNTING HOLES IN THE BACK PLATES AND SIGNAL HEADS TO THE DIAMETER RECOMMENDED BY THE RIVET MANUFACTURER.
- BEFORE INSTALLING THE MACHINE SCREWS THAT SECURE THE VISORS, COAT THE THREADS WITH AN ANTI-SEIZING COMPOUND.

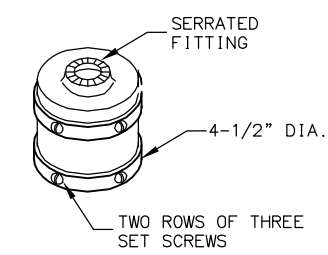


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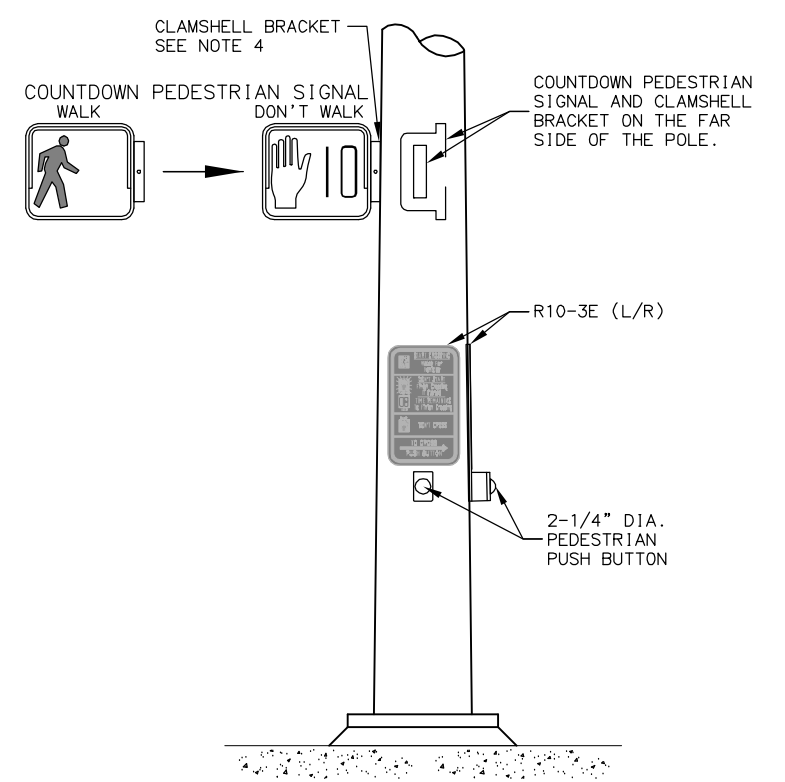
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- HEAD NO. ② OFFSET R.O.D.



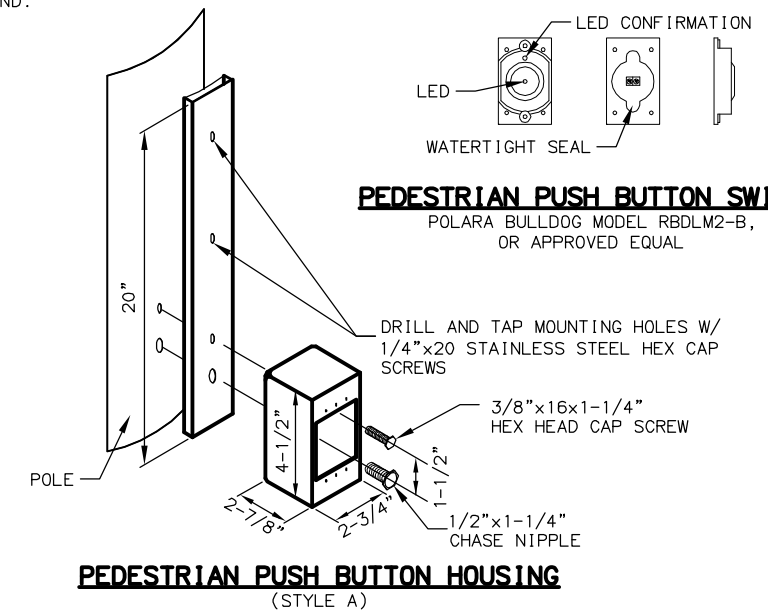
TERMINAL COMPARTMENT WITH SLIP FITTER
 (SEE NOTES 1.C. AND 2)



SLIP FITTER
 (SEE NOTE 1.B.)



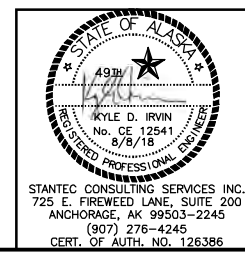
PEDESTRIAN HARDWARE



PEDESTRIAN PUSH BUTTON SWITCH

POLARA BULLDOG MODEL RBDLM2-B, OR APPROVED EQUAL

PEDESTRIAN PUSH BUTTON HOUSING
 (STYLE A)



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

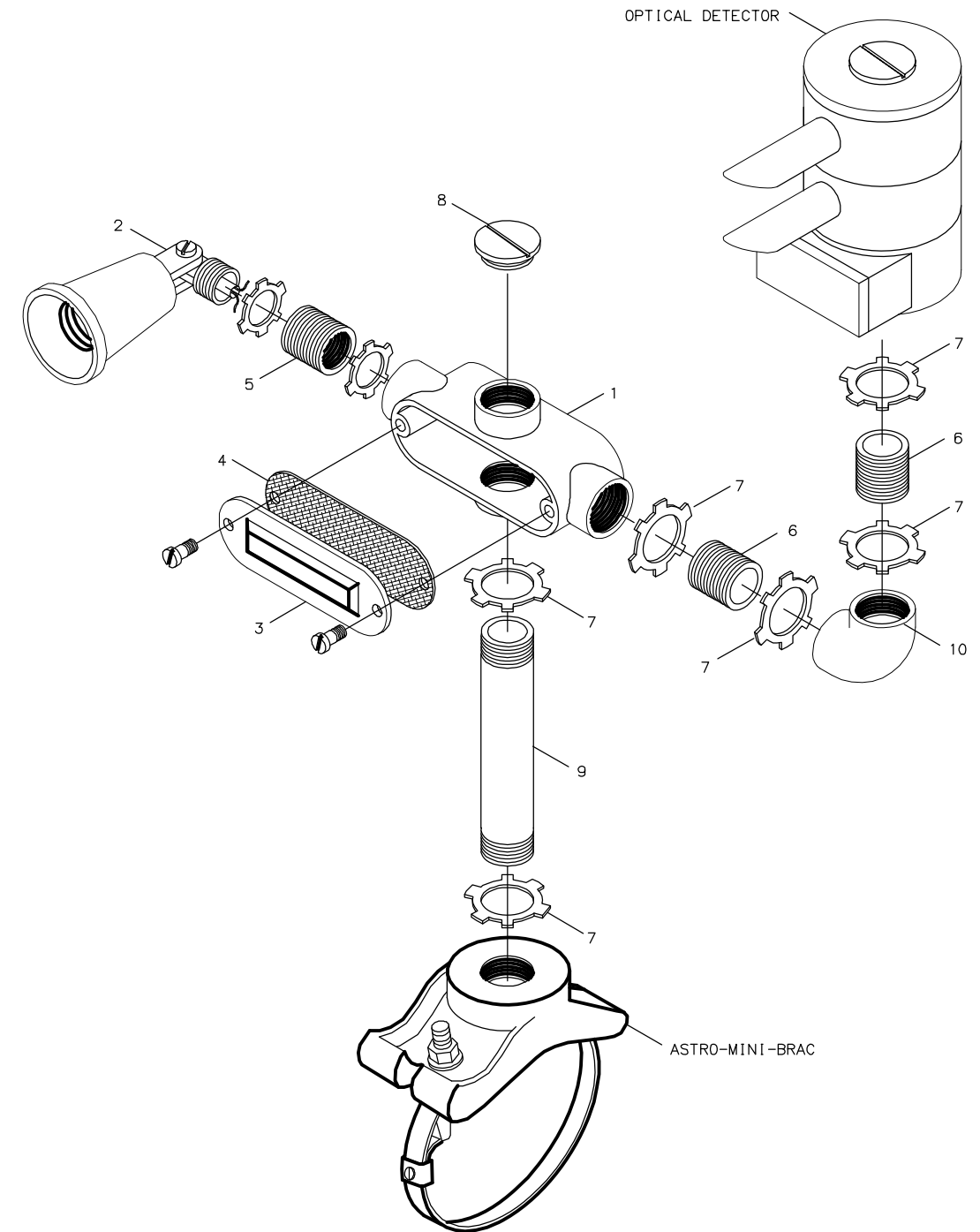
EGAN DRIVE IMPROVEMENTS – MAIN STREET TO 10TH STREET
 JUNEAU, AK

TRAFFIC HARDWARE SIGNAL DETAILS

STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 (807) 276-4245
 CERT. OF AUTH. NO. 126386

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J20	J24

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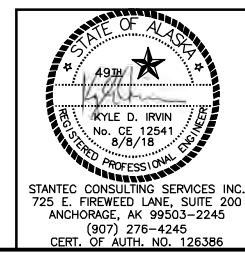
NOTES:

1. SEE THE SIGNAL PLANS FOR THE SIGNAL POLE MAST ARMS SCHEDULED FOR EVP INSTALLATION.
2. FOR EACH EVP INSTALLATION, FURNISH:
 - A. A GTT MODEL 711.
 - B. AN ASTRO-MINI-BRAC, MODEL AB-0155-L, AS MANUFACTURED BY PELCO PRODUCTS OR AN APPROVED EQUAL.
 - C. A GTT MODEL 575 CONFIRMATION LIGHT KIT WITH THE ADDITIONAL PARTS SHOWN IN THE PARTS LIST, OR STEEL PARTS, WITH A HOT DIP GALVANIZED FINISH, AS SHOWN IN THE PARTS LIST.
 - D. WITH EACH OPTICOM DETECTOR INSTALLED, FURNISH A PAR38 20 WATT LED FLOOD LAMP RATED FOR 120 VOLT OPERATION, 1250 INITIAL LUMENS, AND A 25000 HOUR LAMP LIFE.
3. MOUNT EVP DETECTORS TO HAVE DIRECT, UNOBSTRUCTED LINE-OF-SIGHT OF APPROACHING VEHICLES. DRILL A 1 INCH HOLE IN THE TOP DEAD CENTER OF THE MAST ARM AT THE LOCATION PRE-APPROVED BY THE ENGINEER. ASSEMBLE AND TIGHTEN THE PARTS AND LOCKNUTS AS SHOWN ON THIS SHEET.
4. BEFORE ATTACHING THE MODEL 138 DETECTOR CABLE TO THE OPTICOM DETECTOR, STRIP THE INSULATION FROM THE THREE INSULATED CONDUCTORS AT THE CONTROLLER CABINET AND ATTACH ALL FOUR CONDUCTORS TO GROUND.

PARTS LIST FOR EACH GTT OPTICOM DETECTOR INSTALLED

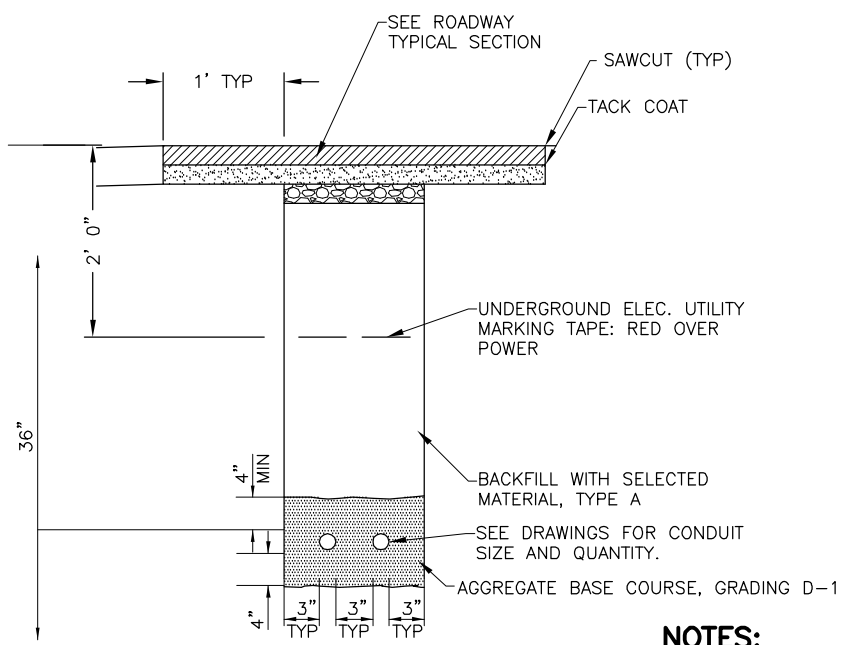
GTT OPTICOM MODEL 575 CONFIRMATION LIGHT KIT
 CONFIGURE AS SHOWN FROM PARTS BELOW

PART NO.	PART TYPE	LIGHT KIT QUANTITY
1	"X" CONDUIT BODY	1
2	PAR 38 LAMP HOLDER	2
3	CONDUIT COVER	1
4	COVER GASKET	1
5	REDUCING BUSHING	2
6	3/4" CLOSE NIPPLE	2
7	3/4" LOCKNUT	6
8	3/4" HOLE PLUG	2
9	3/4" X 6" NIPPLE	ADD 1 TO KIT
10	3/4" X 90° ELBOW	ADD 1 TO KIT



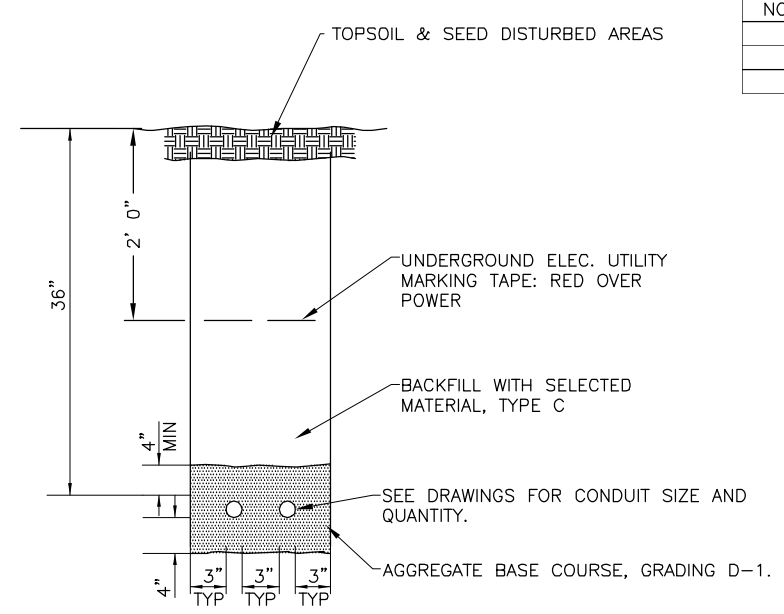
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK
 EVP INSTALLATION DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J21	J24

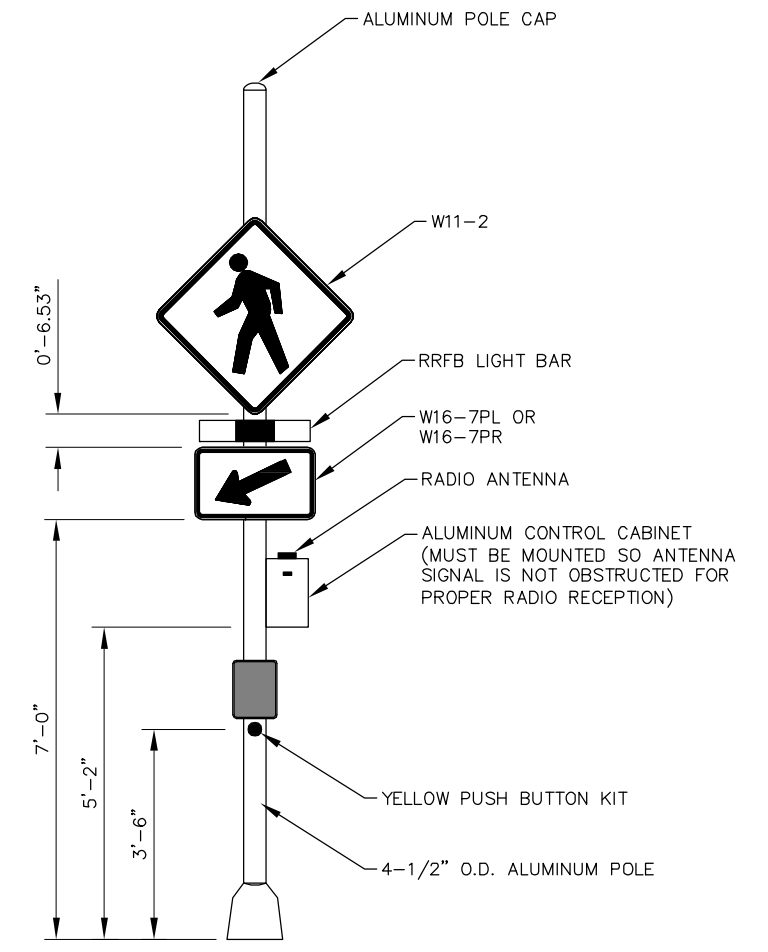


NOTES:
 1. COMPACTION IN TRENCHES SHALL BE 95% UNDER PAVEMENT.
 2. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT.

A TRENCH DETAIL - PAVED AREAS
 J21 NO SCALE

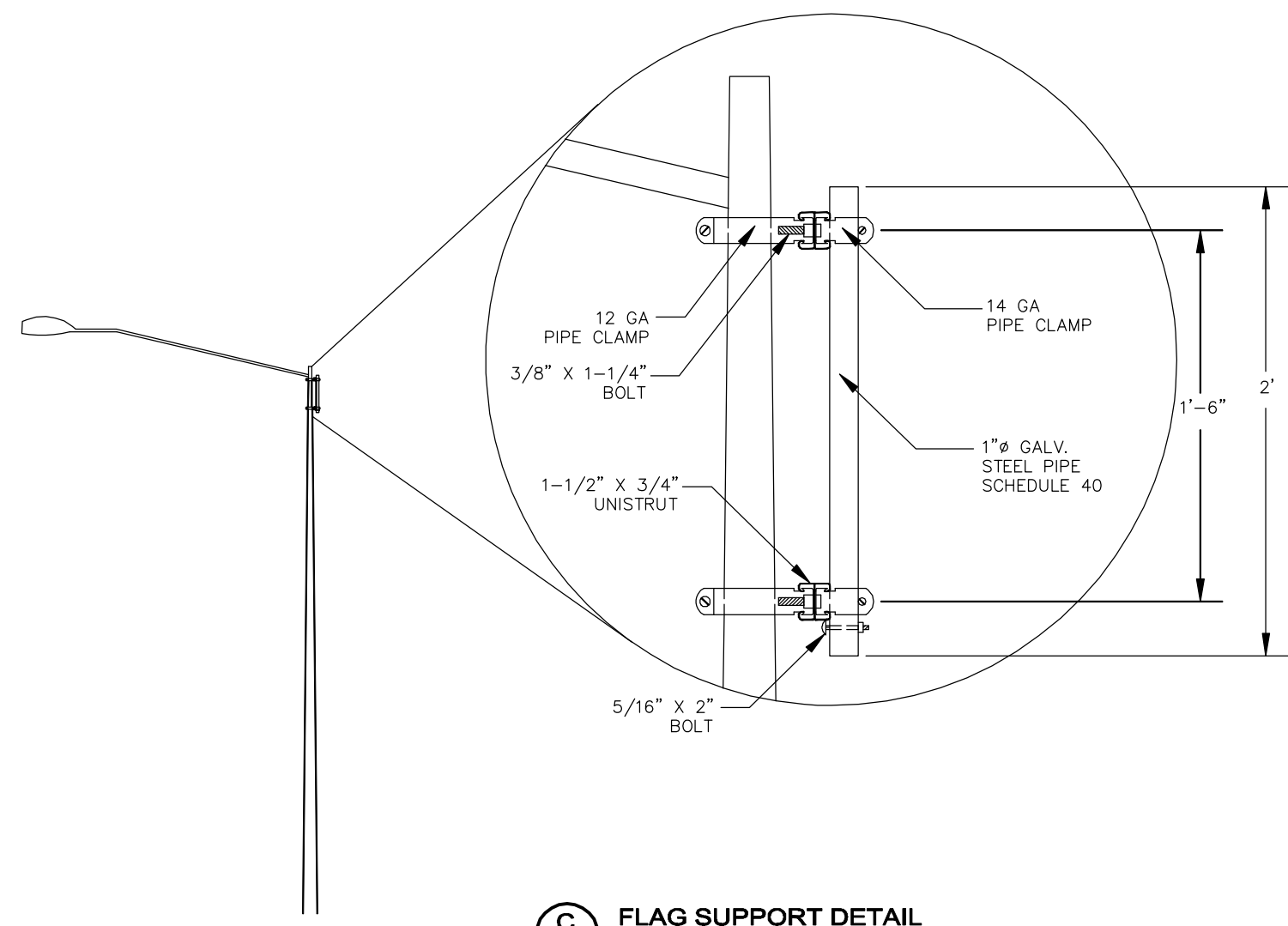


B TRENCH DETAIL - NON- PAVED AREAS
 J21 NO SCALE



NOTES:
 1. MOUNT R10-25 SIGN ABOVE PUSH BUTTON. SIGN TEXT SHALL READ "PUSH BUTTON TO TURN ON WARNING LIGHTS."
 2. CONSTRUCT DUAL/BACK-TO-BACK BEACON LIGHT BARS (2), SIGNAGE, AND CONTROLLER CABINET AT MEDIAN LOCATION. RUN CABLES TO ADJACENT BEACONS.
 3. PROVIDE A FOUNDATION WITH A FLANGIBLE PEDESTAL BASE.
 4. LIGHT BARS SHALL BE AMBER.

D RECTANGULAR RAPID FLASHING BEACON
 J21 NO SCALE



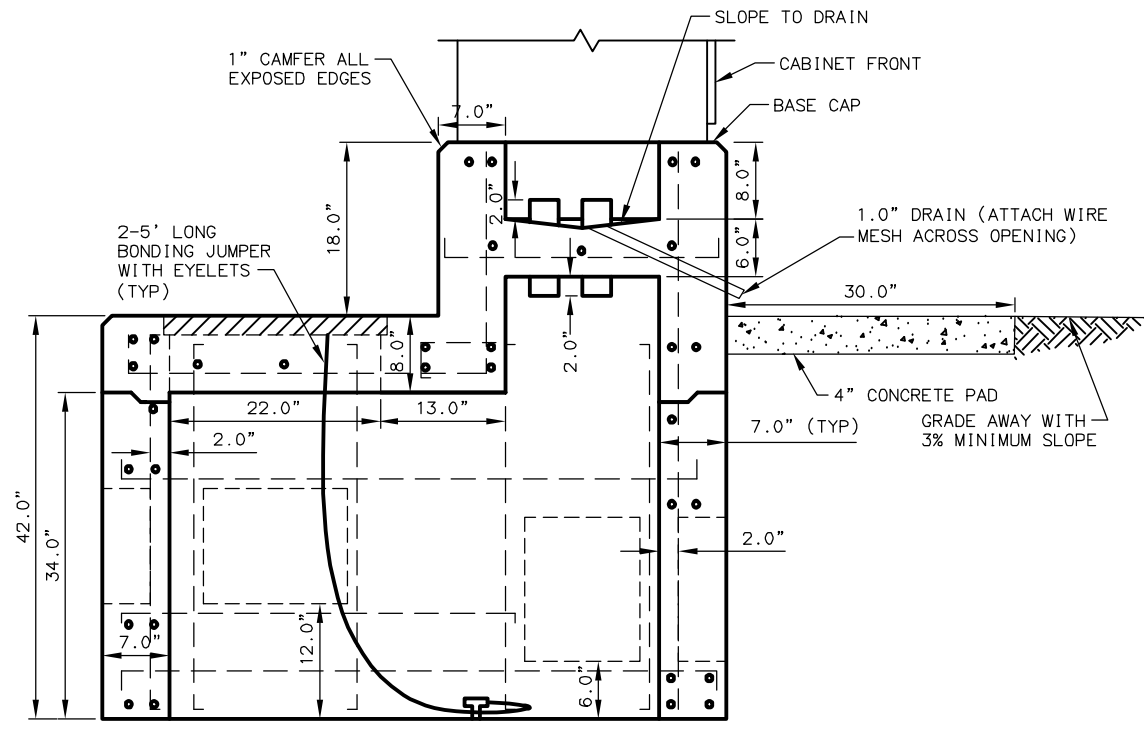
C FLAG SUPPORT DETAIL
 J21 NO SCALE



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS -
 MAIN STREET TO 10TH STREET
 JUNEAU, AK**
 MISCELLANEOUS DETAILS

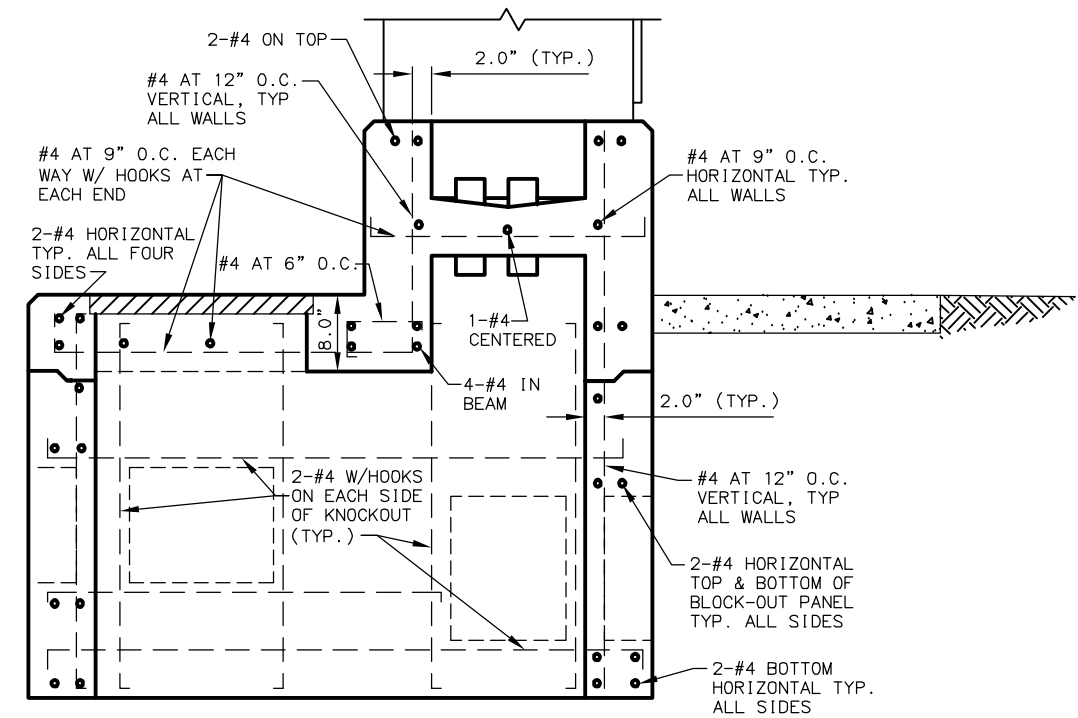
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 DESIGNED AH CHECKED JB DRAFTED MT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J22	J24



SECTION A-A

NOTE: SEE SECTION B-B FOR REBAR DETAILS

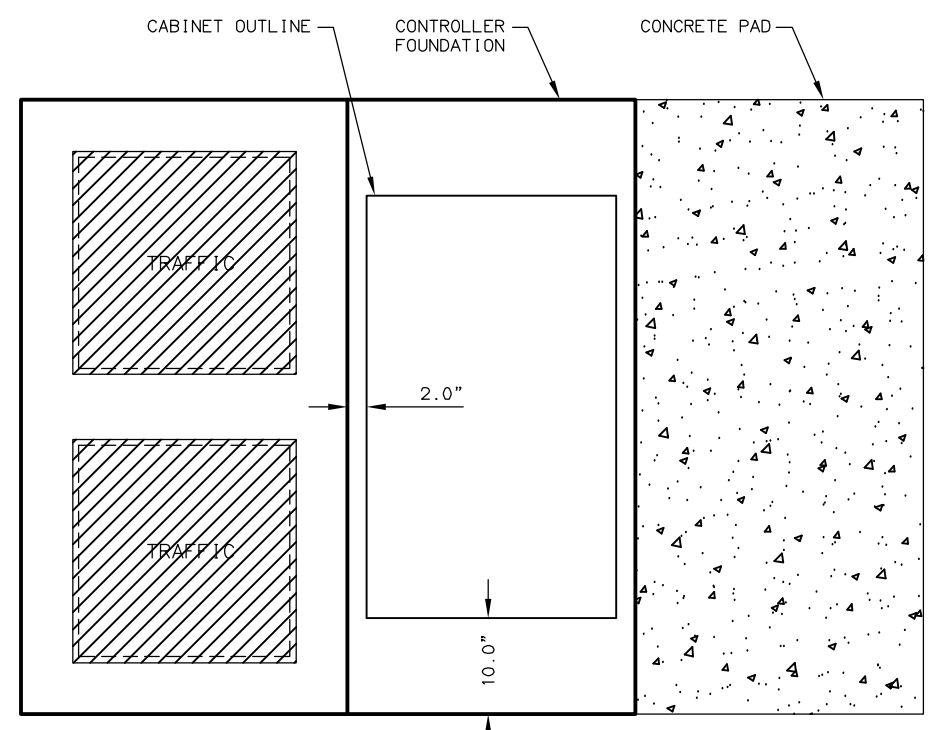
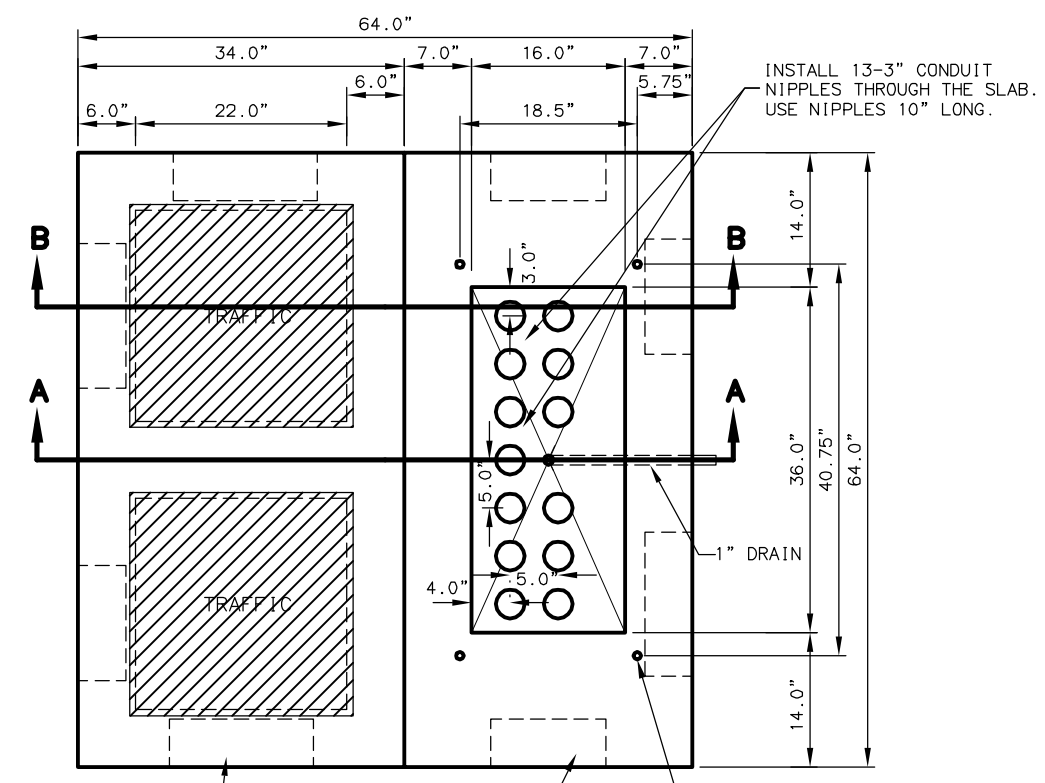


SECTION B-B

NOTE: SEE SECTION A-A FOR DIMENSIONAL DETAILS

NOTES:

1. ANCHOR BOLTS SHALL NOT PROTRUDE MORE THAN 1.5" ABOVE THE TOP OF THE FOUNDATION. ANCHOR BOLT DIMENSIONS SHALL BE AS SPECIFIED BY THE CABINET MANUFACTURER.
2. SEAL UNUSED CONDUIT STUBS WITH WATERTIGHT CAPS. SEAL STUBS CARRYING CONDUCTORS WITH WATERTIGHT SEALING BUSHINGS DESIGNED TO SEAL AROUND CONDUCTORS AND AGAINST THE CONDUIT WALLS.
3. ROUTE THE FIVE FOOT COPPER GROUNDING JUMPER THROUGH THE 2" PIPE NIPPLE AND ATTACH IT TO THE GROUNDING BUSHING ON THE FEEDER CONDUIT.
4. STOP HORIZONTAL & VERTICAL STEEL AT THE BLOCK-OUT PANELS & THE JOINT USING 90 DEGREE HOOKS. USE 2 EXTRA #4 HORIZONTAL & VERTICAL BARS. ALL SIDES AS SHOWN.
5. INSTALL TRAFFIC CONTROLLER WITHIN 1-DEGREE OF PLUMB.

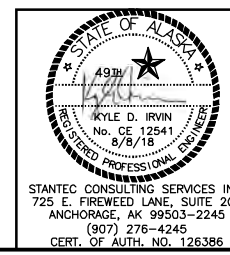


PLAN VIEW

12" W x 15" H x 5" D KNOCKOUT (TYPICAL OF 4)
 15" W x 12" H x 5" D KNOCKOUT (TYPICAL OF 4)
 0.75" ANCHOR BOLT (TYPICAL OF 4)

SIZE 6 OR 7 CONTROLLER CABINET FOUNDATION

NOTE: BOLT SPACING DIMENSIONS SHOWN FOR TS2 CONTROLLER CABINETS.



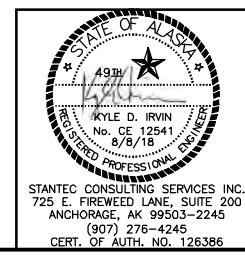
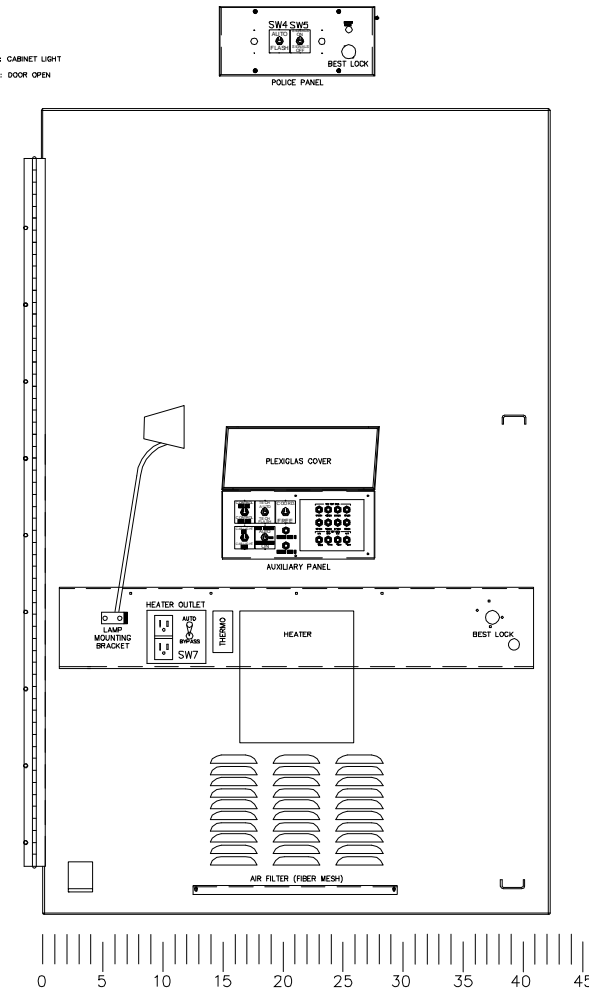
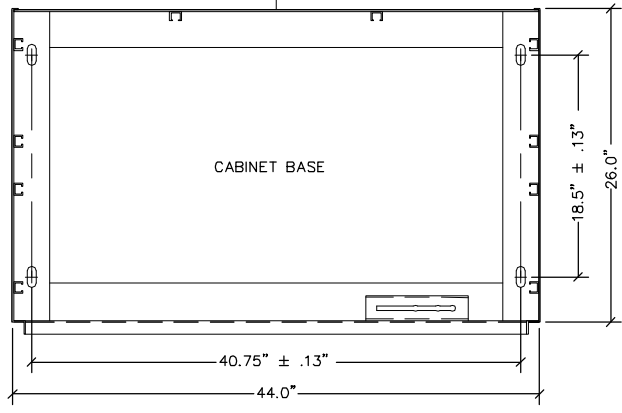
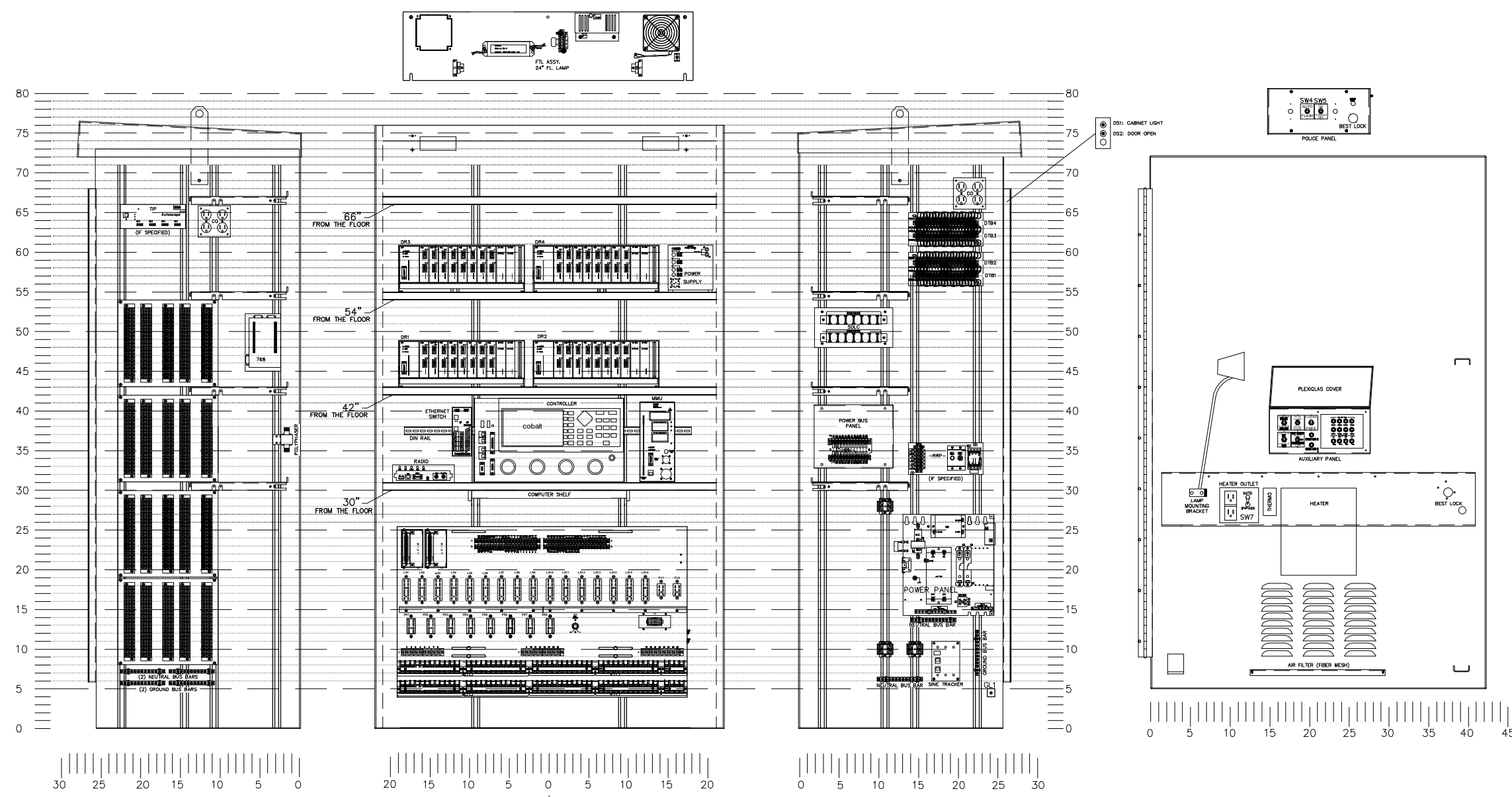
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK
 CONTROLLER CABINET
 FOUNDATION**

STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 (907) 276-4245
 CERT. OF AUTH. NO. 126386

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	0932047/Z693930000	2018	J23	J24

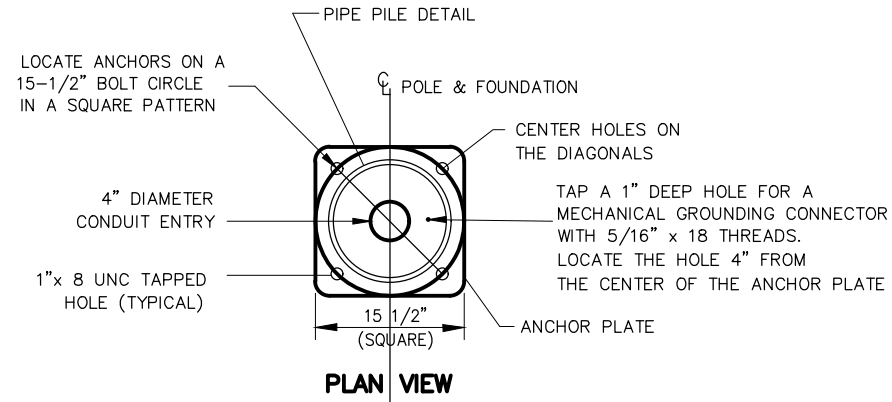
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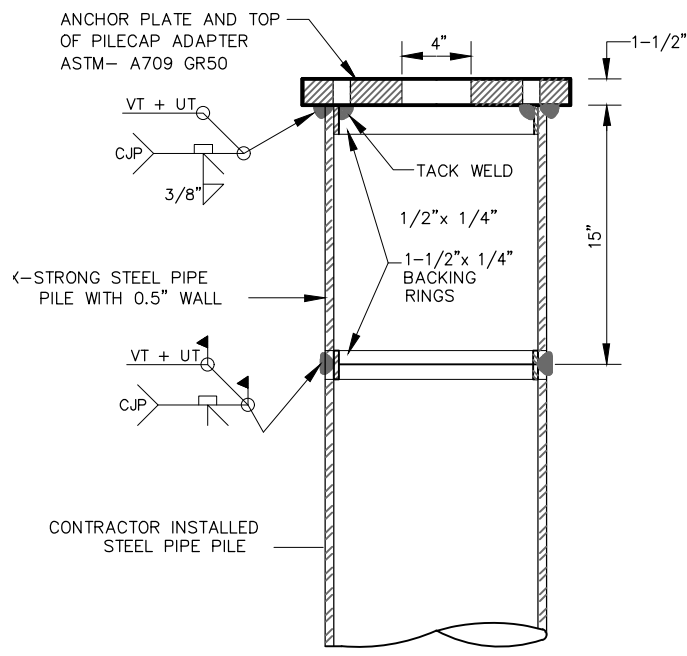
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DRIVE IMPROVEMENTS –
 MAIN STREET TO 10TH STREET
 JUNEAU, AK**
 SIZE 7 CONTROLLER CABINET
 STANTEC CONSULTING SERVICES INC.
 725 E. FIREWEED LANE, SUITE 200
 ANCHORAGE, AK 99503-2245
 (907) 276-4245
 CERT. OF AUTH. NO. 126386

FILE U:\2047053100\drawing\C\Sheets\2047053100_u24.dwg DATE 1/29/2019 16:30 LAYOUT FOUNDATION DETAILS DESIGNED AH CHECKED JB DRAFTED MT

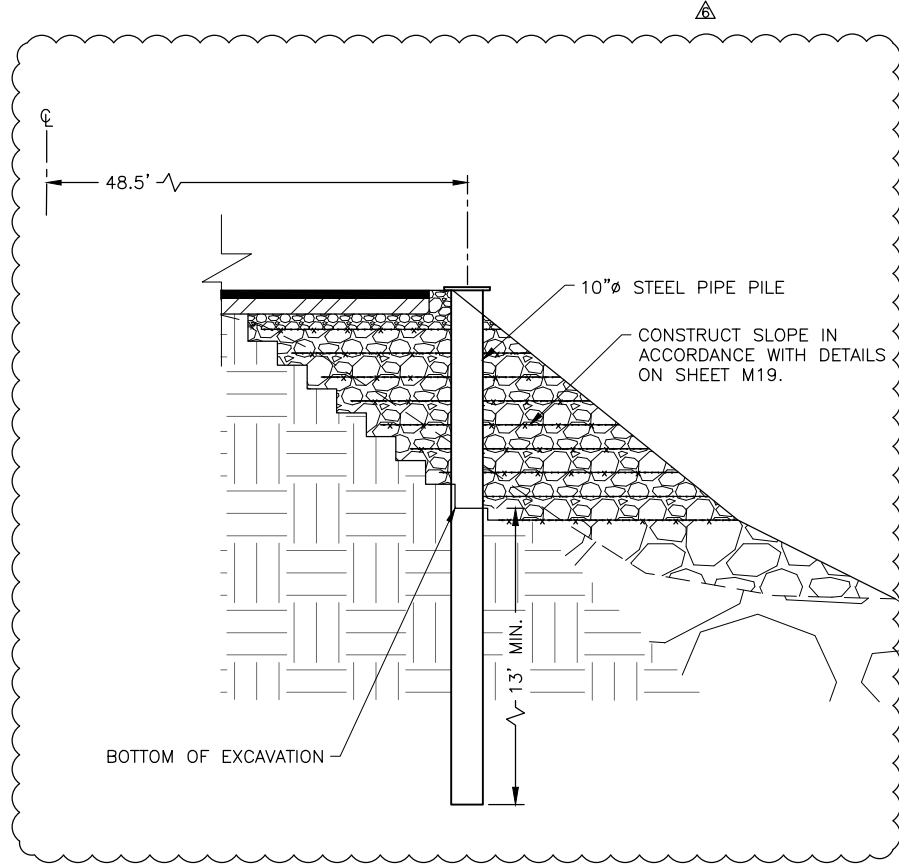
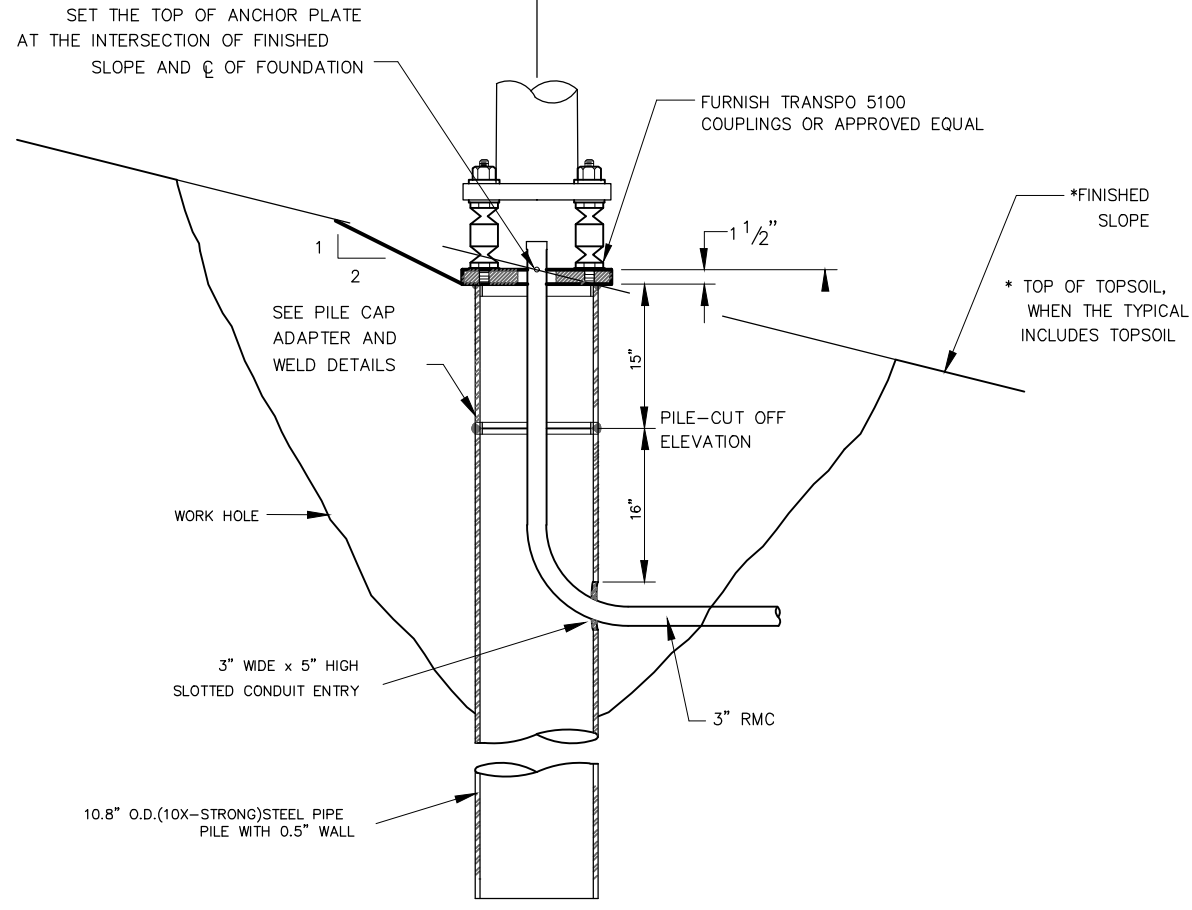
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	1/28/19	ADDED MSE WALL ALTERNATIVE	ALASKA	0932047/Z693930000	2018	J24	J24



PIPE PILE FOUNDATION
(SHOWN WITH FRANGIBLE COUPLINGS)



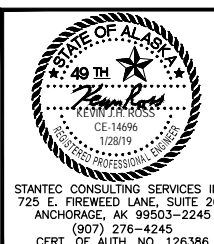
PILECAP ADAPTER AND WELD DETAILS
NOT TO SCALE



PIPE PILE FOUNDATIONS 43-50

PILE FOUNDATION NOTES:

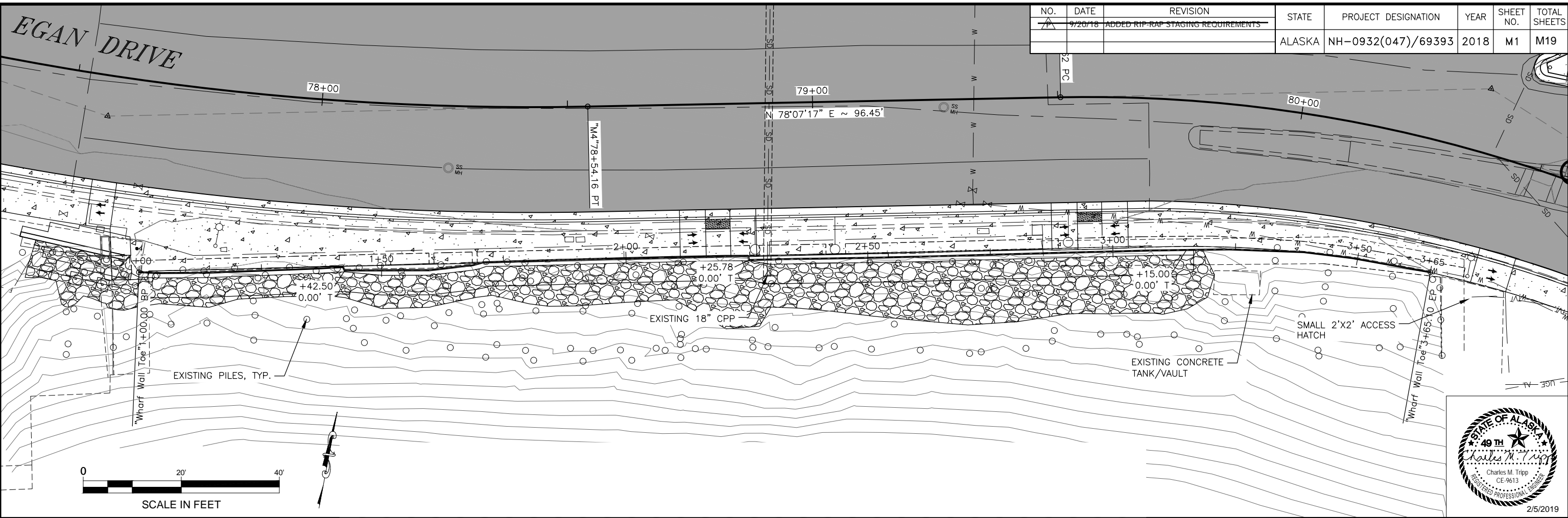
- FURNISH STEEL PIPE PILES AND PILECAP ADAPTERS THAT CONFORM TO SECTION 660, 715 AND 740 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS. INCLUDE STAMPED ENGINEERING CALCULATIONS, DRAWINGS, MILL CERTIFICATIONS AND WELDING PLANS FOR PILECAP ADAPTERS.
- FURNISH SHOP FABRICATED PILECAP ADAPTERS.
- DRIVE PILES OPEN ENDED. COMPLETE PILE WORK ACCORDING TO SECTIONS 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 AWS D1.1, STRUCTURAL WELDING CODE-STEEL.
- AT EACH FOUNDATION, EXCAVATE A CONE SHAPED WORK HOLE 6.5' DIAMETER OR LARGER 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.
- TERMINATE THE 3" CONDUIT 3" ABOVE THE TOP OF THE ANCHOR PLATE. INSTALL A GROUNDING BUSHING ON THE END OF THE RIGID METAL CONDUIT.
- STEEL PIPE USED SHALL CONFORM TO ASTM A53 GRADE B. STRUCTURAL STEEL PLATE SHALL CONFORM TO ASTM 709 GRADE 50.
- SEE SHEET M19 FOR MSE WALL ALTERNATIVE.
- PIPE PILES SHALL BE DRIVEN PRIOR TO THE MSE WALL ALTERNATIVE CONSTRUCTION.
- NO SPLICES ALLOWED BELOW PILE CAP ADAPTER.



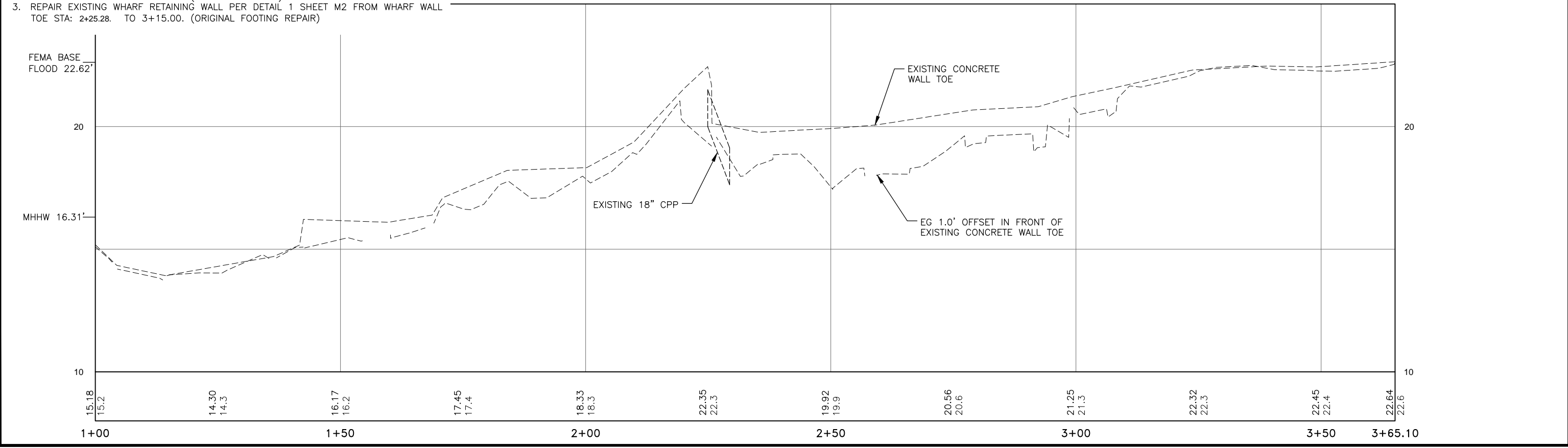
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
EGAN DRIVE IMPROVEMENTS -
MAIN STREET TO 10TH STREET
JUNEAU, AK
ELECTROLIER FOUNDATION
DETAILS

FILE: G:\nu\69393\Plmset\69393_M1-M3_Wall_Repair_Details.dwg DATE: 9/20/2018 10:40 LAYOUT: M1 DESIGNED: BP CHECKED: CT DRAFTED: JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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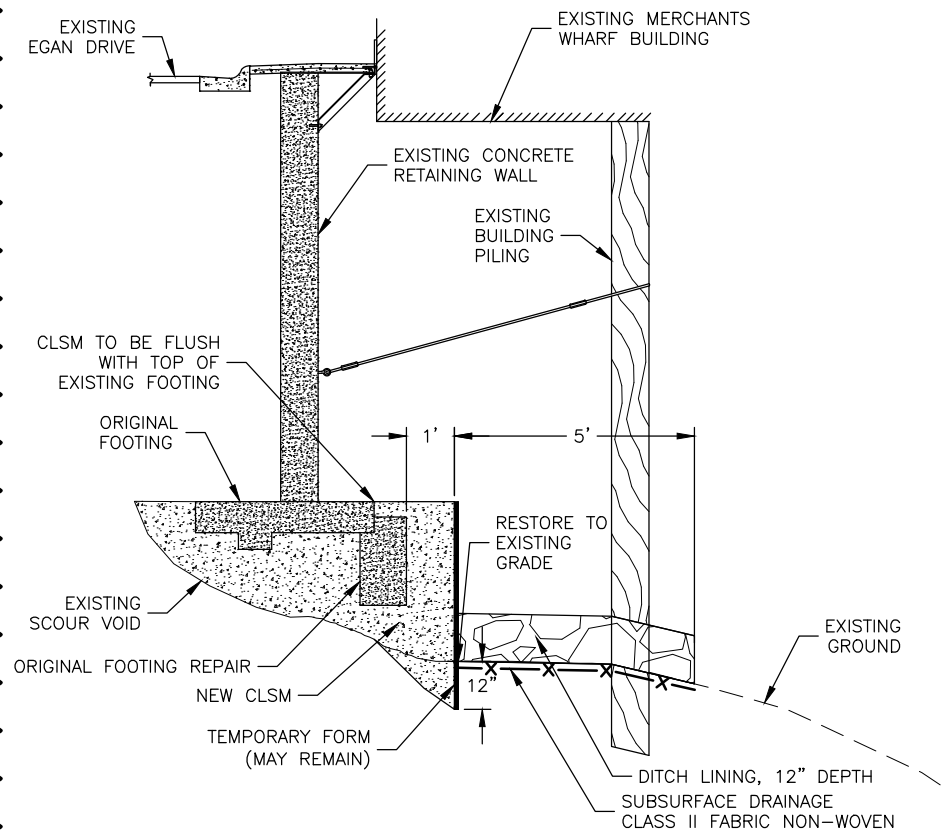


- NOTES:**
1. INSTALL RIPRAP PROTECTION PER DETAIL 3 SHEET M2 FROM WHARF WALL TOE STA: 1+00.00 TO 1+42.50.
 2. REPAIR EXISTING WHARF RETAINING WALL PER DETAIL 2 SHEET M2 FROM WHARF WALL TOE STA: 1+42.50 TO 2+25.28. (ORIGINAL FOOTING)
 3. REPAIR EXISTING WHARF RETAINING WALL PER DETAIL 1 SHEET M2 FROM WHARF WALL TOE STA: 2+25.28. TO 3+15.00. (ORIGINAL FOOTING REPAIR)

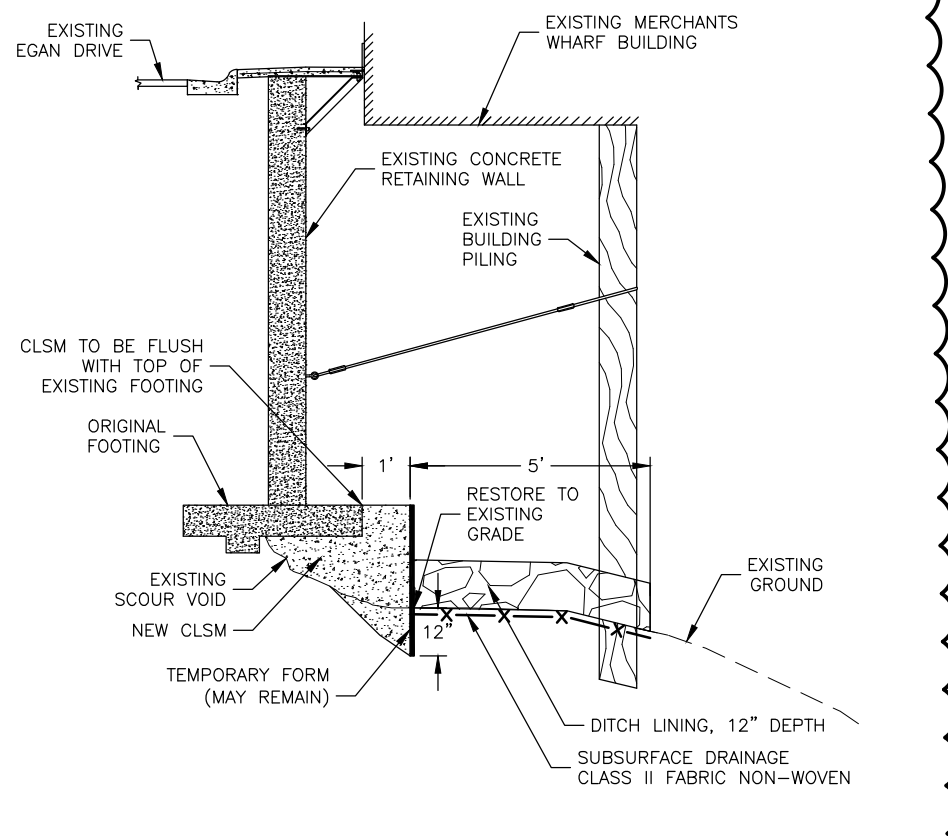


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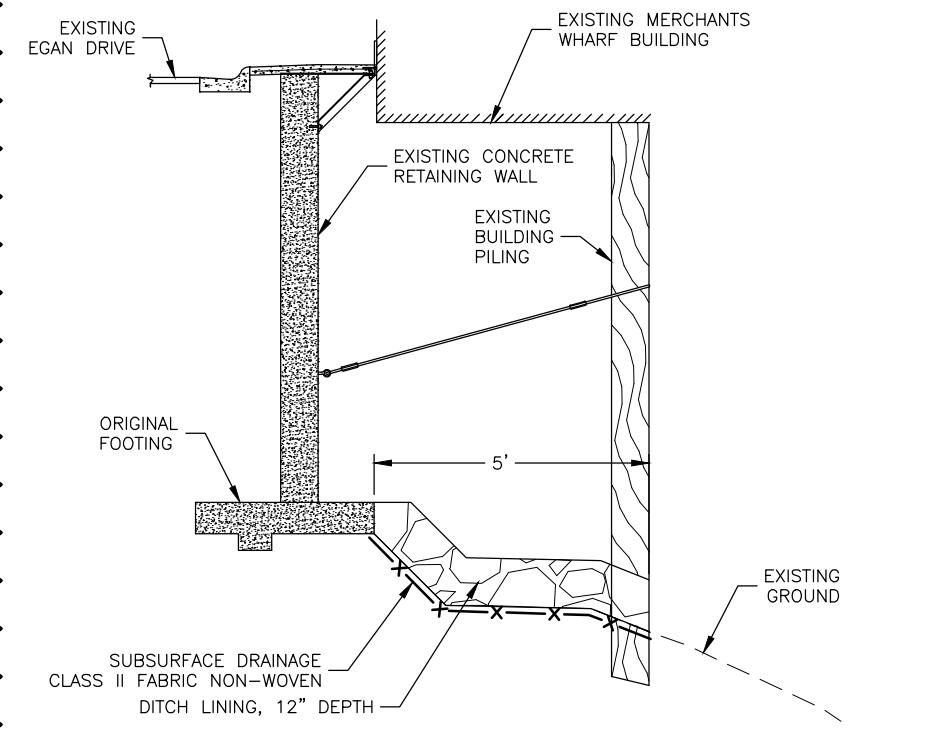
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
76	1/9/19	SEE ADDENDUM 6	ALASKA	NH-0932(047)/69393	2018	M2	M19



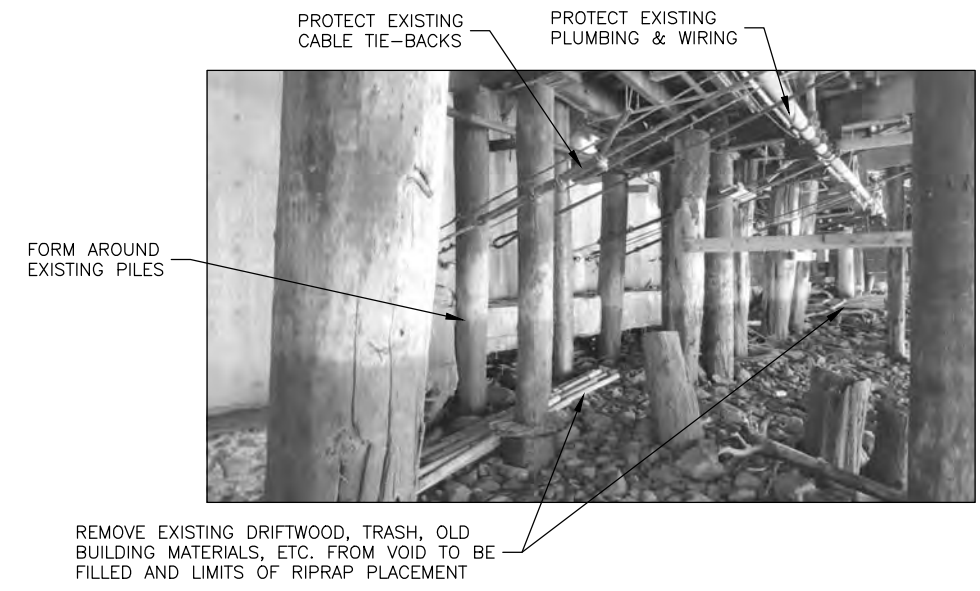
1 WHARF RETAINING WALL REPAIRS - SECTION VIEW
SCALE: N.T.S.



2 WHARF RETAINING WALL REPAIRS - SECTION VIEW
SCALE: N.T.S.

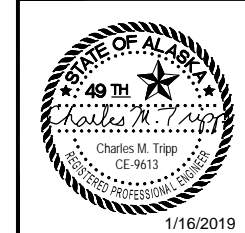


3 WHARF RETAINING WALL REPAIRS - SECTION VIEW
SCALE: N.T.S.



NOTES:

1. THE EXISTING CONCRETE RETAINING WALL IS UNDERMINED DUE TO WAVE SCOUR ACTION. THE INTENT OF THE REPAIR IS TO FILL THE VOID UNDER THE RETAINING WALL FOOTING AND PREVENT FUTURE WAVE SCOUR.
2. THE CONTRACTOR IS REQUIRED TO SUBMIT A WORK PLAN AND BE APPROVED PRIOR TO ANY WORK BEING PERFORMED ON THE WALL REPAIR PER SECTION 654.
 - 2.1. PERFORM A PRECONSTRUCTION BUILDING INSPECTION SURVEY.
 - 2.2. MONITOR FOR BUILDING MOVEMENT DURING CONSTRUCTION.
 - 2.3. THE CONTRACTOR SHALL SUBMIT A PLAN TO ACCESS WORK AREA TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK.
 - 2.4. THE CONTRACTOR SHALL SUBMIT A FORMING PLAN FOR CLSM TO THE ENGINEER FOR APPROVAL PRIOR TO BEGINNING WORK, INCLUDING HOW FORMS WILL BE INSTALLED AROUND EXISTING OBSTRUCTIONS.
 - 2.5. THE CONTRACTOR SHALL SUBMIT A PLAN FOR LIMITING CLSM MIGRATION INTO EXISTING EMBANKMENT. (GROUTED SOCKS, PLASTIC, SEPARATION FABRIC) PRIOR TO BEGINNING WORK.
3. REMOVE ALL LOSE OCEAN DEBRIS, BUILDING MATERIALS, TRASH AND ORGANIC MATER PRIOR TO FILLING VOID WITH CLSM.
4. CLSM SHALL EXTEND 2" MIN -6" MAX ABOVE ORIGINAL FOOTING OR ORIGINAL FOOTING REPAIR WHEN PRESENT.
5. MINIMIZE THE WIDTH OF CLSM IN-FRONT OF EXISTING RETAINING WALL TO THE SHORTEST WIDTH ALLOWED DUE TO EXISTING OBSTRUCTIONS.
6. LIMIT CLSM PLACEMENT TO 25' MAXIMUM HORIZONTAL SECTIONS AT ONE TIME TO HELP MITIGATE AND MAINTAIN CLSM FROM ESCAPING INTO VOIDS.
7. PLACE RIPRAP SO AS NOT TO DAMAGE EXISTING PILES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO THE EXISTING FACILITY.



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

WHARF WALL REPAIR DETAIL

FILE P:\2016\160999\IN-ADOT_Egan_Ret_Wall\C\69393_M3.dwg DATE 8/8/2018 14:21 LAYOUT M3 DESIGNED M3 STORY CHECKED M3 STORY DRAFTED B.ARMAGOST

STRUCTURAL NOTES

DESIGN SPECIFICATIONS

PER CONTRACT DOCUMENTS FOR PROJECT NO. 69393

DESIGN STANDARDS: AISC STEEL CONSTRUCTION MANUAL 14TH ED. LRFD

DESIGN LOADS:

LIVE LOAD: PARKING DECK AND WALKWAY – 150 PSF (CLASS 2b LIGHT HEAVY DUTY DESIGN VEHICLE – 8,500–10,000 GVWR)

MATERIALS

STEEL SHAPE & PLATES: PLATES & SHAPES – ASTM A36, UNLESS OTHERWISE NOTED
 HOLLOW STRUCTURAL SECTIONS – ASTM A500 GR B
 W – ASTM A992, ASTM A709

FASTENERS: EPOXY ANCHORS: ANCHOR BOLTS AND EPOXY SHALL CONFORM TO SECTION 517. DRILLING AND BONDING OF THE EPOXY ANCHORS SHALL ALSO CONFORM TO SECTION 517.

CONCRETE: CLASS M W/ADDITION OF SILICA FUME

REBAR: REINFORCEMENT – ASTM A615 GR 60, ALL REINFORCING STEEL SHALL BE HOT-DIPPED GALVANIZED PER ASTM A767 OR ASTM A1094

PROTECTIVE COATINGS

ALL STEEL, & WELDMENTS: GALVANIZED AFTER FABRICATION PER SPECS, UNLESS OTHERWISE NOTED. FIELD REPAIR OF GALVANIZED COATING SHALL CONFORM TO SECTION 517.

WELDS

ALL WELDING SHALL BE PERFORMED BY CERTIFIED PERSONS IN ACCORDANCE WITH AWS D1.1 AS APPLICABLE.

PRESSURE TREATED TIMBER

ALL NEW PRESSURE-TREATED TIMBER SHALL BE ACZA 0.6

ABBREVIATIONS

Ø	DIAMETER	FTG	FOOTING	PL	PLATE
(E)	EXIST	GALV	GALVANIZED	PL	PROPERTY LINE
AB	ANCHOR BOLTS	GB	GRADE BREAK	PT	PRESSURE TREATED
ACQ	ALKALINE COPPER QUATERNARY	H	HEIGHT	ROW	RIGHT OF WAY
AP	ANGLE POINT	HDG	HOT DIPPED GALVANIZED	RT	RIGHT
APPROX	APPROXIMATELY	HDPE	HIGH-DENSITY POLYETHYLENE	SS	SANITARY SEWER
CL	CENTERLINE	HS	HALF SIZE	SS	STAINLESS STEEL
COL	COLUMN	L	LENGTH	SST	SIMPSON STRONG TIE
CONC	CONCRETE	LOL	LAYOUT LINE	ST LT	STREET LIGHT
DEMO	DEMOLITION	MAX	MAXIMUM	STD	STANDARD
DI	DUCTILE IRON	MIN	MINIMUM	SW	SIDEWALK
DWG	DRAWING	MOD	MODIFIED	T	THICK
EA	EACH	N	NEW	TF	TOP OF FOOTING
EL	ELEVATION	OC	ON CENTER	TW	TOP OF WALL
EXIST	EXIST	OPNG	OPENING	TYP	TYPICAL
FND	FOUNDATION	OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION	UNO	UNLESS NOTED OTHERWISE
FS	FINISHED SURFACE	PB	PULL BOX	VAR	VARIES
FS	FULL SIZE			W/	WITH

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M3	M19

MERCHANTS WHARF TIMBER WALL REPLACEMENT ESTIMATE OF QUANTITIES

	ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	TOTAL	NOTE
201.0001.0000	202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LS	LF	23	LF OF EXIST TIMBER WALL TO BE REMOVED.
202.0002.0000	202(2)	REMOVAL OF PAVEMENT	SY	SY	10	-
202.0003.0000	202(3)	REMOVAL OF SIDEWALK	SY	SY	30	-
205.0001.0000	205(1)	EXCAVATION FOR STRUCTURES	CY	CY	150	-
205.0004.0000	205(4)	POROUS BACKFILL MATERIAL	CY	CY	70	-
205.0006.0000	205(6)	STRUCTURAL FILL	CY	CY	20	-
301.0001.00D1	301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	TON	20	-
501.2011.0000	501(10)	CLASS M CONCRETE	LS	CY	22	-
503.0001.0000	503(1)	REINFORCING STEEL	LS	LBS	1,210	-
504.0001.0000	504(1)	STRUCTURAL STEEL	LS	ALL REQUIRED.	ALL REQUIRED.	-
506.0001.0000	506(1)	TREATED TIMBER	LS	ALL REQUIRED.	ALL REQUIRED.	-
608.2013.0001	517(1)	CONCRETE SLABS, BROOM FINISH, 4" THICK	SY	SY	3	-
608.2010.0001	517(2)	CONCRETE SIDEWALK WALL, TYPE BRACKET – SUPPORTED , SLAB 4"	LS	LF	4	-
611.0001.0001	611(1)	RIPRAP, CLASS I	CY	CY	30	-
630.0001.0000	630(1)	GEOTEXTILE, SEPARATION	SY	SY	100	-


ITEM NUMBERS ARE FOR REFERENCE ONLY. QUANTITIES SHOWN ARE NOT NECESSARILY THE PAY QUANTITIES NOR THE TOTAL QUANTITY FOR THE PARTICULAR ITEM.

GRADE POINT SUMMARY – SHEET M5

POINT	STATION	OFFSET		ELEVATION	REMARKS
		LT.	RT.		
1	77+49.85		41.64'	19.65'	TOP OF CONC FND FOR NEW COLUMNS; SEE 1/M15
2	77+55.71		42.05'	19.58'	TOP OF CONC FND FOR NEW COLUMNS; SEE 1/M15
3	77+60.88		42.47'	17.65'	TOP OF CONC FND FOR NEW COLUMNS; SEE 1/M15
4	77+46.33		41.27'	18.95'	TOP OF RIP RAP SLOPE
5	77+54.20		41.79'	18.95'	TOP OF RIP RAP SLOPE/GRADE BREAK
6	77+57.90		42.08'	16.96'	TOP OF RIP RAP SLOPE/GRADE BREAK
7	77+65.94		42.78'	16.96'	TOP OF RIP RAP SLOPE/GRADE BREAK
8	77+69.89		44.28'	15.39'	TOP OF RIP RAP SLOPE/GRADE BREAK
9	77+45.70		46.40'	MTE (18.02'±)	TOE OF RIP RAP SLOPE
10	77+48.83		46.59'	MTE (17.34'±)	TOE OF RIP RAP SLOPE
11	77+54.94		48.49'	MTE (15.20'±)	TOE OF RIP RAP SLOPE
12	77+60.80		48.49'	MTE (14.24'±)	TOE OF RIP RAP SLOPE
13	77+66.70		51.83'	MTE (12.37'±)	TOE OF RIP RAP SLOPE
14	77+71.12		52.57'	MTE (11.20'±)	TOE OF RIP RAP SLOPE

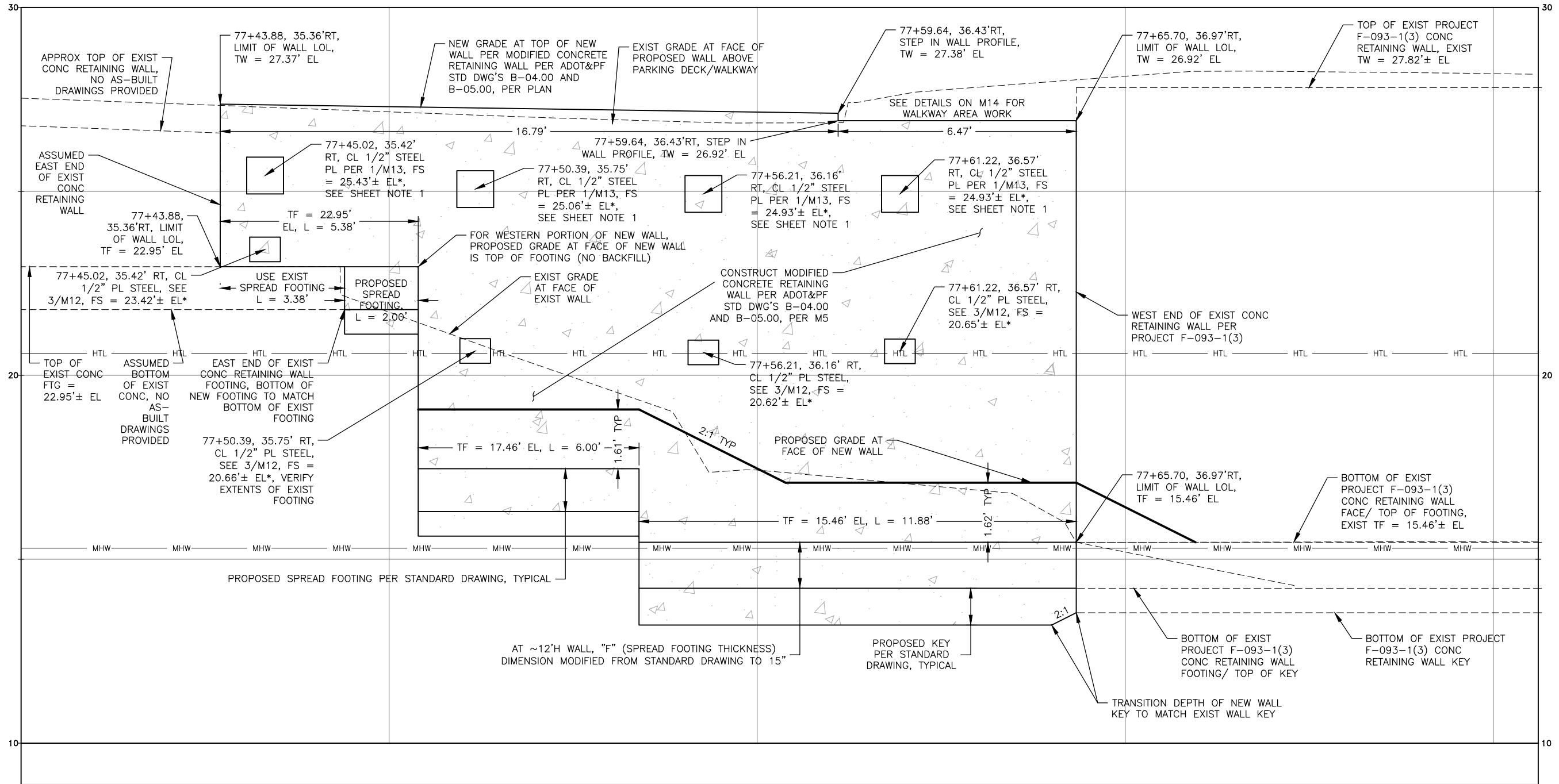
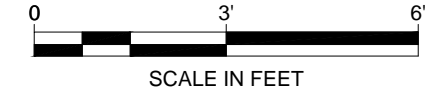
LEGEND:
 FOR ADDITIONAL LINE TYPES AND SYMBOLS SEE A3

— HTL — HIGH TIDE LEVEL
 — MHW — MEAN HIGH WATER

PLANS DEVELOPED BY: PDC INC. ENGINEERS 6205 GLACIER HIGHWAY JUNEAU, AK 99801 (907) 780-6060 AECC605		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST JUNEAU, AK DETAILS – MERCHANTS WHARF TIMBER WALL REPLACEMENT
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08/08/18

FILE P:\2016\160999\IN-ADOT_Egan_Ret_Wall\C\69393_M04-M10.dwg DATE 8/8/2018 15:10 LAYOUT M06 DESIGNED M STORY CHECKED M STORY DRAFTED B ARMAGOST



SHEET NO.	TOTAL SHEETS
M6	M19
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
NH-0932(047)/69393	

NO.	DATE	REVISION

SHEET NOTES:
 1. * - LOCATIONS AND ELEVATIONS OF IMPROVEMENTS RELATED TO TIMBER PARKING DECK ARE ONLY APPROXIMATE AND MUST BE FIELD VERIFIED AND ADJUSTED, BECAUSE EXIST TIMBER PARKING DECK ELEMENTS BELOW ITS TOP SURFACE WERE NOT SURVEYED FOR THEIR PRECISE ELEVATION AND DIMENSIONS.

2. AS-BUILT DRAWINGS ARE NOT AVAILABLE FOR THE EAST EXIST CONC RETAINING WALL, ITEMS BEHIND WALL OR BELOW GRADE COULD NOT BE VERIFIED.

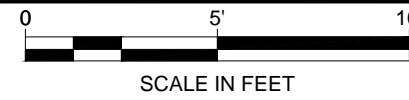
PLANS DEVELOPED BY:
 PDC INC. ENGINEERS
 6205 GLACIER HIGHWAY
 JUNEAU, AK 99801
 (907) 780-6060
 AECC605



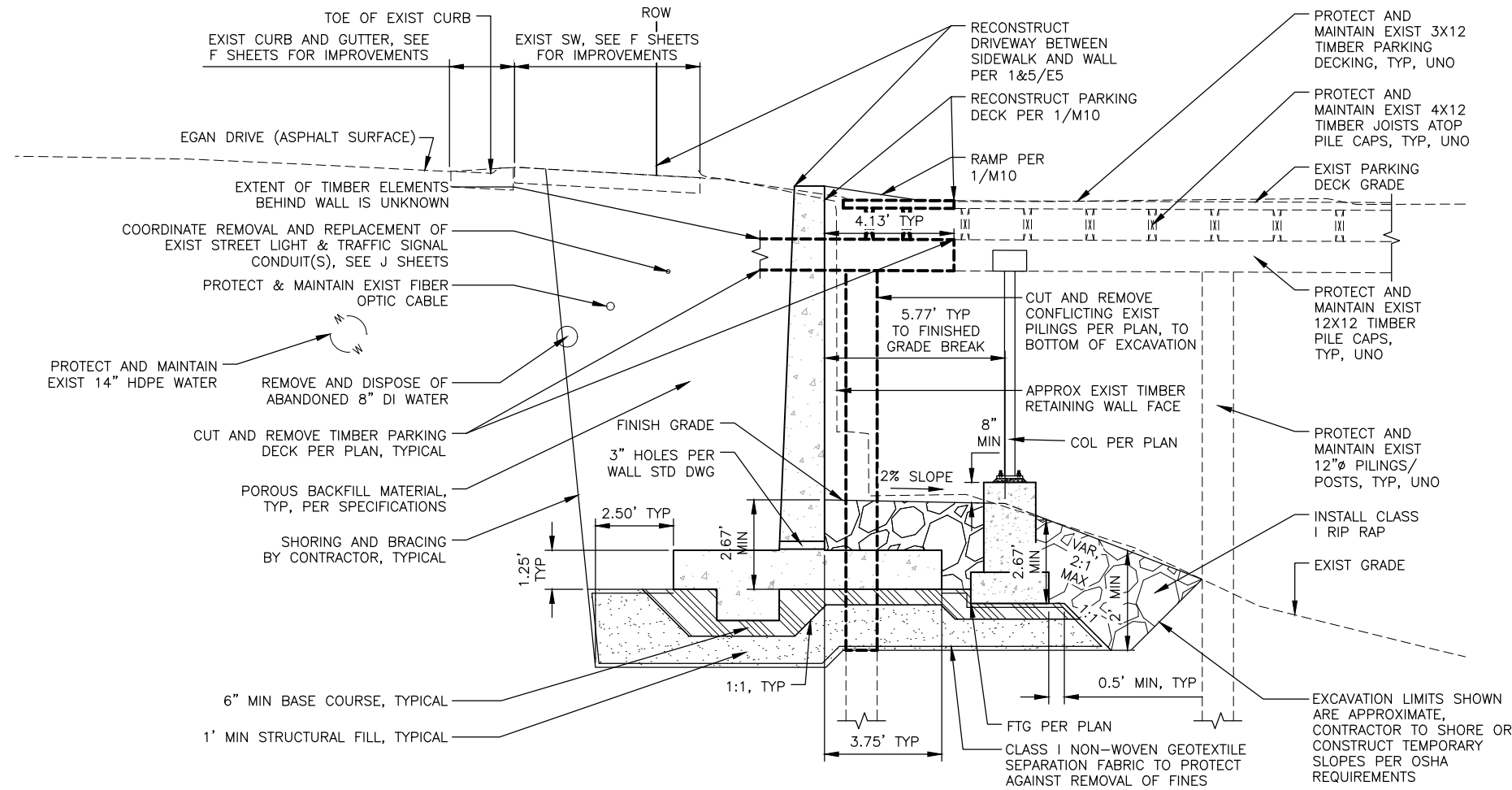
10/26/18
 STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST
 JUNEAU, AK

ELEVATION - MERCHANTS WHARF TIMBER WALL REPLACEMENT

FILE P:\2016\160999.IN-ADOT_Egan_Ret_Wall\Wall\C\69393_M04-M10.dwg DATE 8/8/2018 15:10 LAYOUT M07 DESIGNED M.STORY CHECKED M.STORY DRAFTED B.ARMAGOST



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M7	M19



SHEET NOTES:

- CONSTRUCT MODIFIED CONCRETE RETAINING WALL PER ADOT&PF STD DWG'S B-04.00 AND B-05.00, AS MODIFIED PER STRUCTURAL NOTES ON M3.

1 TYPICAL ~12'H WALL SECTION
M7 SCALE: PER BAR SCALE

PLANS DEVELOPED BY:
PDC INC. ENGINEERS
6205 GLACIER HIGHWAY
JUNEAU, AK 99801
(907) 780-6060
AECC605

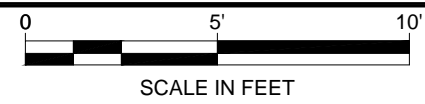


STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

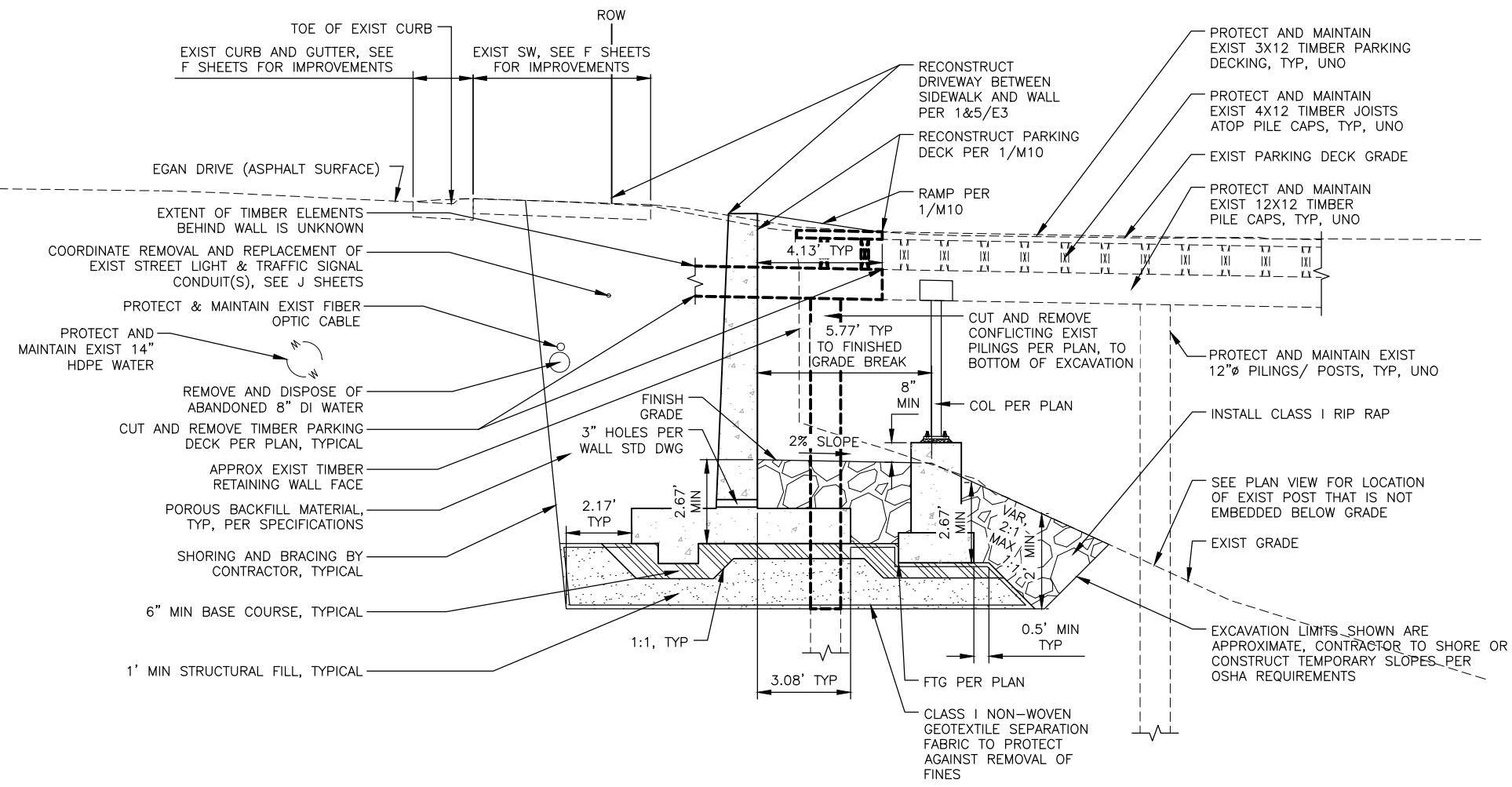
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST
JUNEAU, AK
DETAILS - MERCHANTS WHARF
TIMBER WALL REPLACEMENT

10/26/18

FILE P:\2016\160999.IN-ADOT_Egan_Ret_Wall\C\69393_M04-M10.dwg DATE 8/8/2018 15:10 LAYOUT M08 DESIGNED M.STORY CHECKED M.STORY DRAFTED B.ARMAGOST



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M8	M19

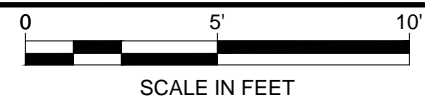


SHEET NOTES:
 1. CONSTRUCT MODIFIED CONCRETE RETAINING WALL PER ADOT&PF STD DWG'S B-04.00 AND B-05.00, AS MODIFIED PER STRUCTURAL NOTES ON M3.

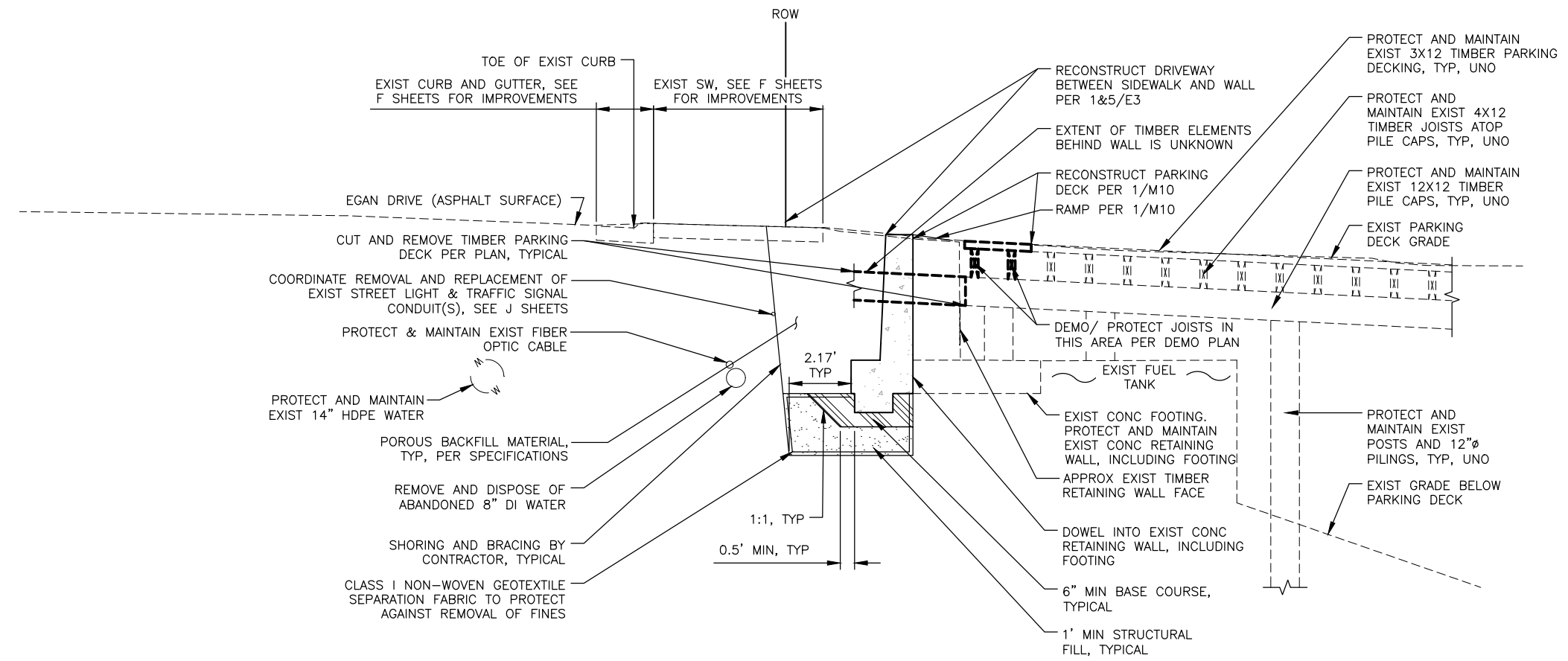
1 TYPICAL ~10'H WALL SECTION
 M8 SCALE: PER BAR SCALE

PLANS DEVELOPED BY: PDC INC. ENGINEERS 6205 GLACIER HIGHWAY JUNEAU, AK 99801 (907) 780-6060 AECC605		STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST JUNEAU, AK DETAILS - MERCHANTS WHARF TIMBER WALL REPLACEMENT
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FILE P:\2016\160999\IN-ADOT_Egan_Ret_Wall\Wall\C\69393_M04-M10.dwg DATE 8/8/2018 15:10 LAYOUT M09 DESIGNED M.STORY CHECKED M.STORY DRAFTED B.ARMAGOST



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M9	M19

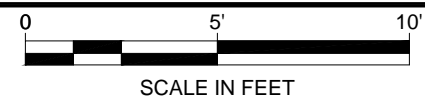


SHEET NOTES:
 1. CONSTRUCT MODIFIED CONCRETE RETAINING WALL PER ADOT&PF STD DWG'S B-04.00 AND B-05.00, AS MODIFIED PER STRUCTURAL NOTES ON M3.

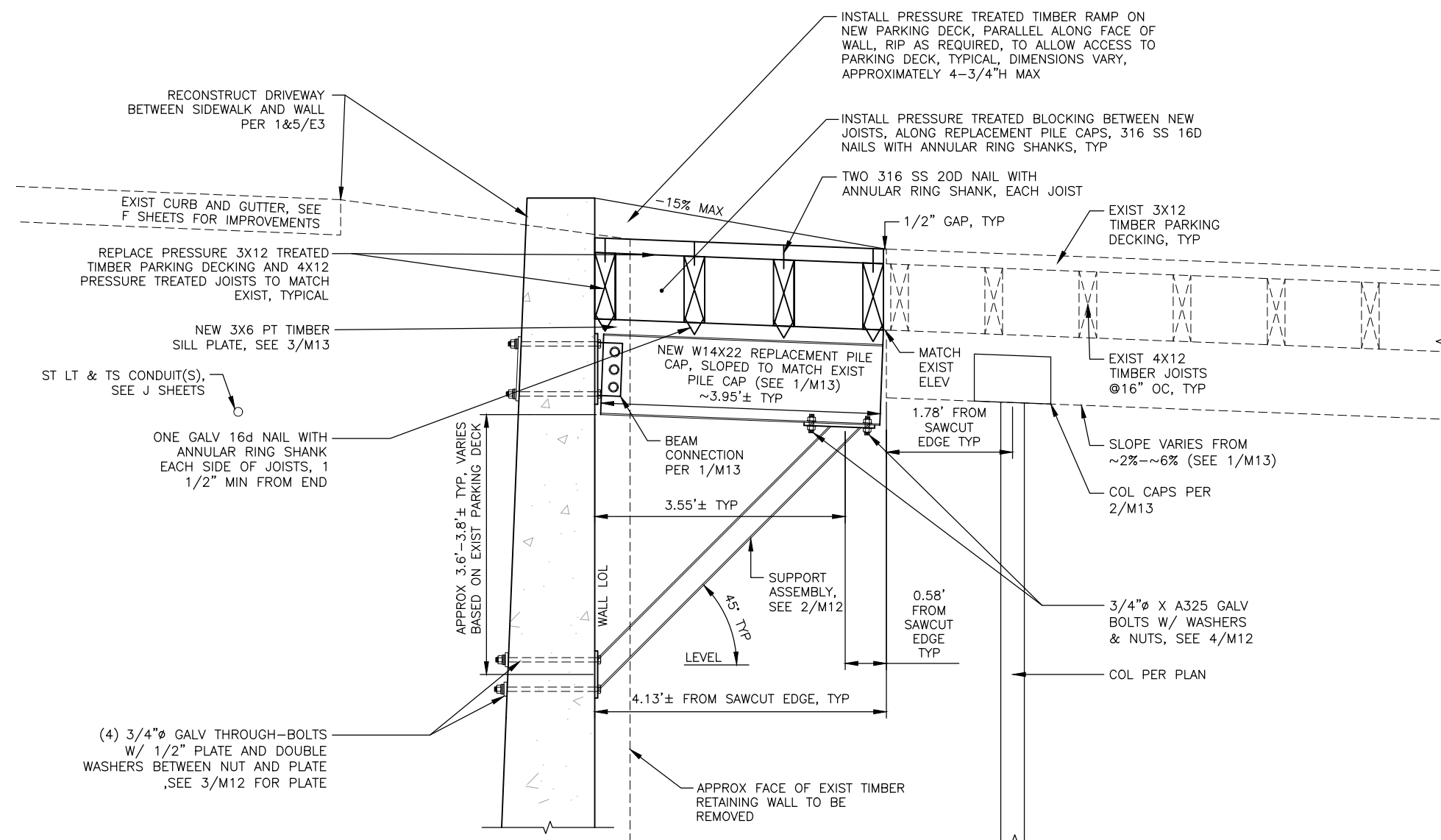
1 TYPICAL ~4'H WALL SECTION
 M9 SCALE: PER BAR SCALE

<p>PLANS DEVELOPED BY: PDC INC. ENGINEERS 6205 GLACIER HIGHWAY JUNEAU, AK 99801 (907) 780-6060 AECC605</p>		<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST JUNEAU, AK</p> <p>DETAILS - MERCHANTS WHARF TIMBER WALL REPLACEMENT</p>
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FILE P:\2016\160999.IN-ADOT_Egan_Ret_Wall\Wall\C\69393_M04-M10.dwg DATE 8/8/2018 15:10 LAYOUT M10 DESIGNED M10 CHECKED M10 DRAFTED B.ARMAGOST



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M10	M19



- SHEET NOTES:**
- LOCATIONS AND DIMENSIONS OF EXIST TIMBER PARKING DECK ELEMENTS BETWEEN ITS TOP SURFACE AND PILING MUST BE VERIFIED AND RELATED IMPROVEMENTS ADJUSTED AS NECESSARY, BECAUSE THEY WERE NOT SURVEYED FOR THEIR PRECISE LOCATION AND DIMENSIONS.
 - DIMENSIONS OF PILE CAP 2 REPLACEMENT VARY FROM DIMENSIONS SHOWN IN 1/M10, ABOVE (SEE SHEET NOTE 2 IN 1/M10, ABOVE).

1
M10
TYPICAL PILE CAP REPLACEMENT DETAIL
SCALE: 1"=2'HS, 1"=1'FS

<p>PLANS DEVELOPED BY: PDC INC. ENGINEERS 6205 GLACIER HIGHWAY JUNEAU, AK 99801 (907) 780-6060 AEC6605</p>	<p>10/26/18</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST JUNEAU, AK</p> <p>DETAILS - MERCHANTS WHARF TIMBER WALL REPLACEMENT</p>
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FILE P:\2016\160999\IN-ADOT_Egan_Ret_Wall\C\69393_M11.dwg DATE 7/9/2018 16:06 LAYOUT M11 DESIGNED M11 CHECKED M11 STORY DRAFTED B.ARMAGOST

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M11	M19




1 PHOTO OF TIMBER WALL (WEST SIDE)
M11 SCALE: NOT TO SCALE
LOOKING NW



2 PHOTO OF TIMBER WALL (EAST SIDE) LOOKING NE
M11 SCALE: NOT TO SCALE

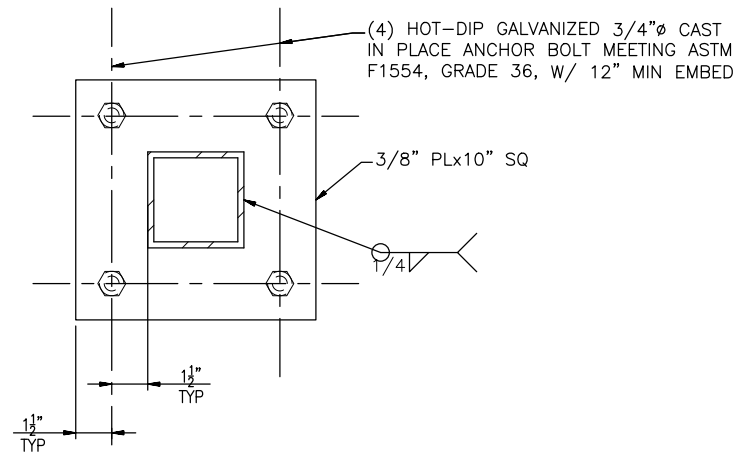


3 PHOTO OF WEST END OF WALL REPLACEMENT LOOKING NE
M11 SCALE: NOT TO SCALE

<p>PLANS DEVELOPED BY: PDC INC. ENGINEERS 6205 GLACIER HIGHWAY JUNEAU, AK 99801 (907) 780-6060 AECC605</p>	 <p>08/08/18</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST JUNEAU, AK</p> <p>DETAILS - MERCHANTS WHARF TIMBER WALL REPLACEMENT</p>
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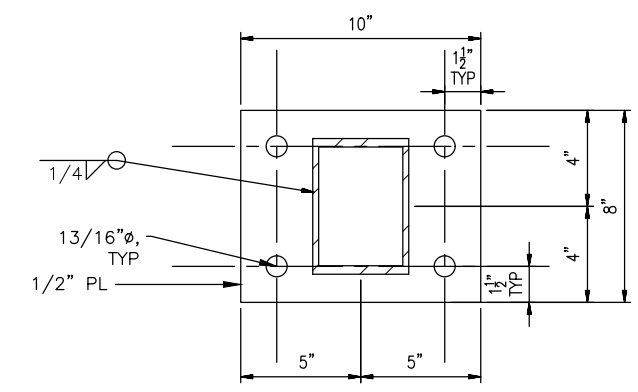
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M12	M19



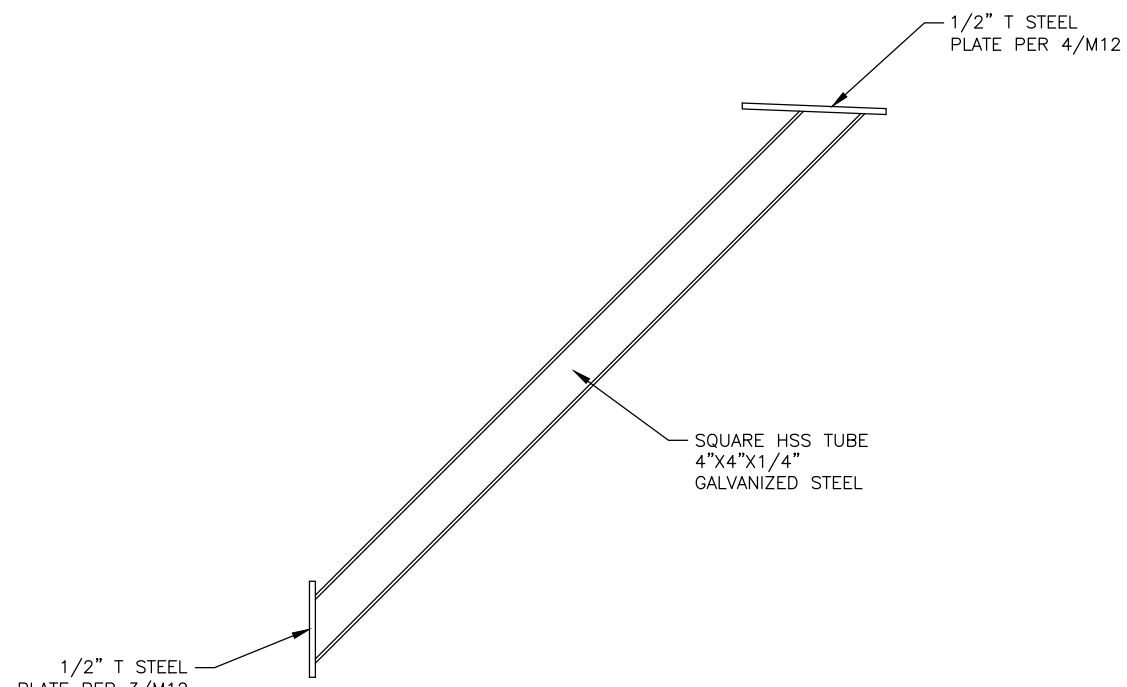
- ALL STEEL SHALL BE GALVANIZED

1 TYPICAL SQUARE HSS TUBE BASE PL
M12 SCALE: NOT TO SCALE



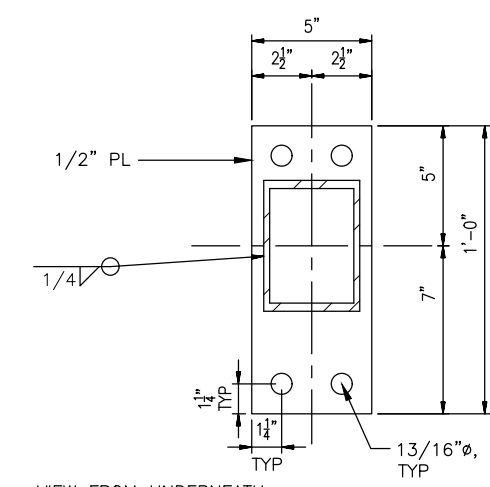
- VIEW FROM FRONT
- ALL STEEL SHALL BE GALVANIZED

3 CANTILEVER PARKING DECK SUPPORT FASTENING DETAIL
M12 SCALE: NOT TO SCALE



- ALL STEEL SHALL BE GALVANIZED

2 CANTILEVER PARKING DECK SUPPORT
M12 SCALE: NOT TO SCALE



- VIEW FROM UNDERNEATH
- ALL STEEL SHALL BE GALVANIZED

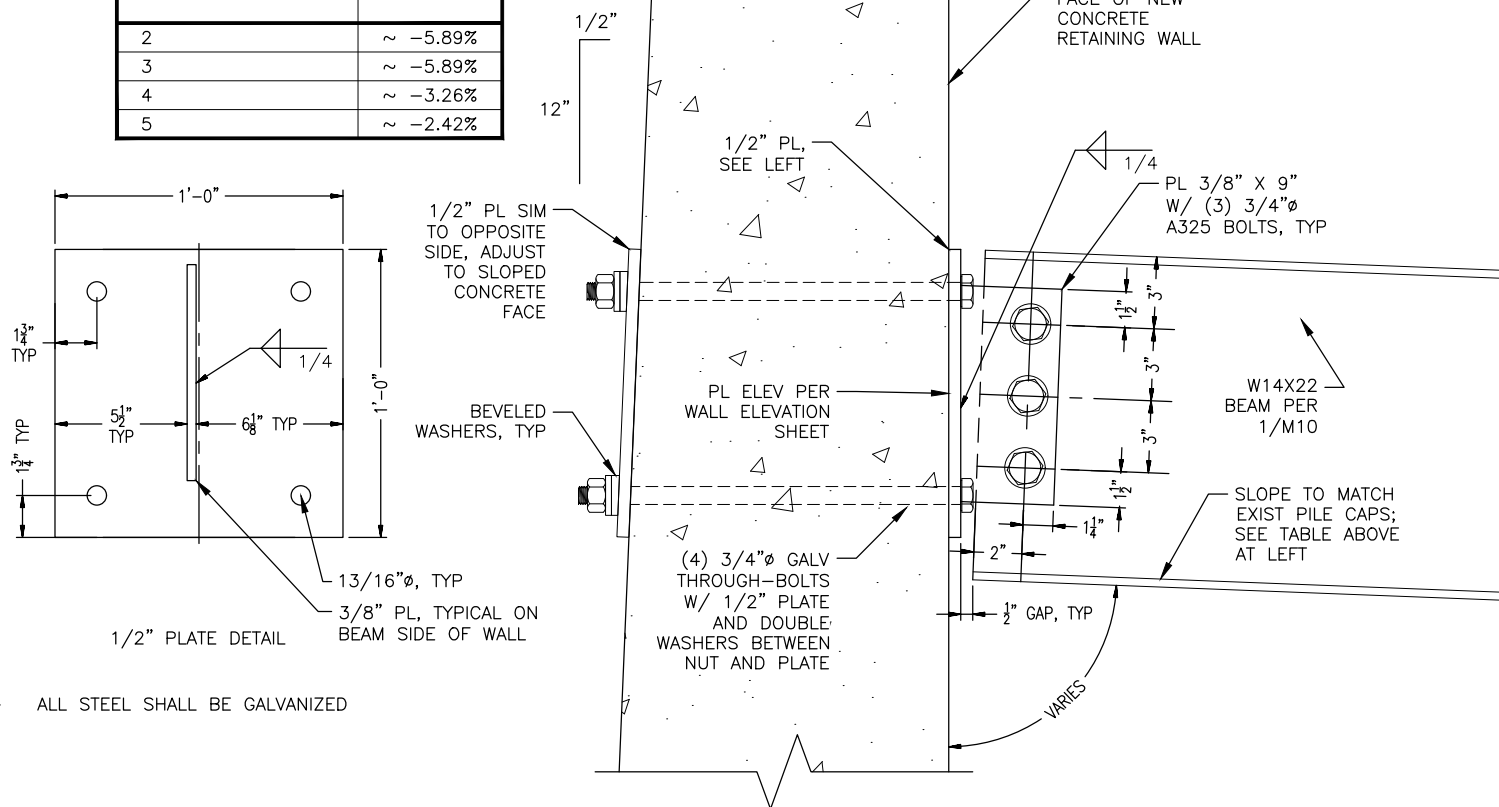
4 CANTILEVER PARKING DECK SUPPORT FASTENING DETAIL
M12 SCALE: NOT TO SCALE

<p>PLANS DEVELOPED BY: PDC INC. ENGINEERS 6205 GLACIER HIGHWAY JUNEAU, AK 99801 (907) 780-6060 AECC605</p>		<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST JUNEAU, AK</p> <p>DETAILS - MERCHANTS WHARF TIMBER WALL REPLACEMENT</p>
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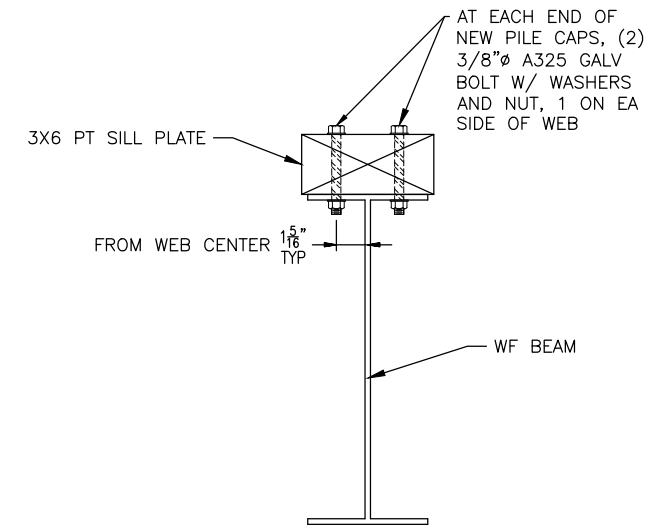
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M13	M19

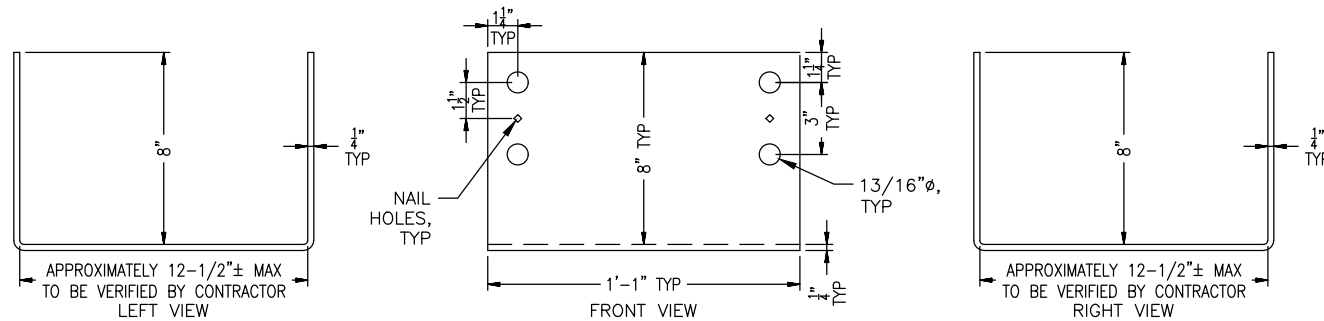
PILE CAP NUMBER	SLOPE
2	~ -5.89%
3	~ -5.89%
4	~ -3.26%
5	~ -2.42%



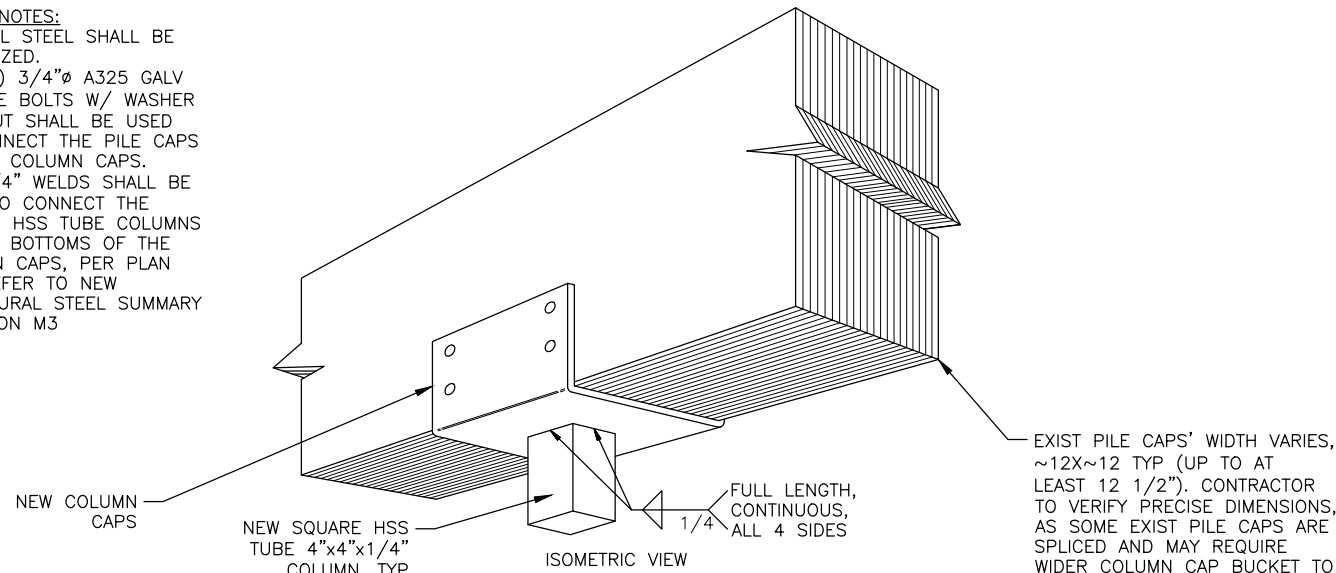
1 TYPICAL BEAM CONNECTION AT WALL
M13 SCALE: NOT TO SCALE



3 TYPICAL SILL PLATE TO WF BEAM CONNECTION
M13 SCALE: NOT TO SCALE



SHEET NOTES:
 - ALL STEEL SHALL BE GALVANIZED.
 - (4) 3/4" A325 GALV MACHINE BOLTS W/ WASHER AND NUT SHALL BE USED TO CONNECT THE PILE CAPS TO THE COLUMN CAPS.
 - 1/4" WELDS SHALL BE USED TO CONNECT THE SQUARE HSS TUBE COLUMNS TO THE BOTTOMS OF THE COLUMN CAPS, PER PLAN
 - REFER TO NEW STRUCTURAL STEEL SUMMARY TABLE ON M3



2 TYPICAL COLUMN CAP FOR EXIST PILE CAPS
M13 SCALE: NOT TO SCALE

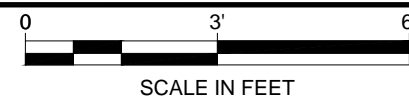
PLANS DEVELOPED BY:
 PDC INC. ENGINEERS
 6205 GLACIER HIGHWAY
 JUNEAU, AK 99801
 (907) 780-6060
 AECC605



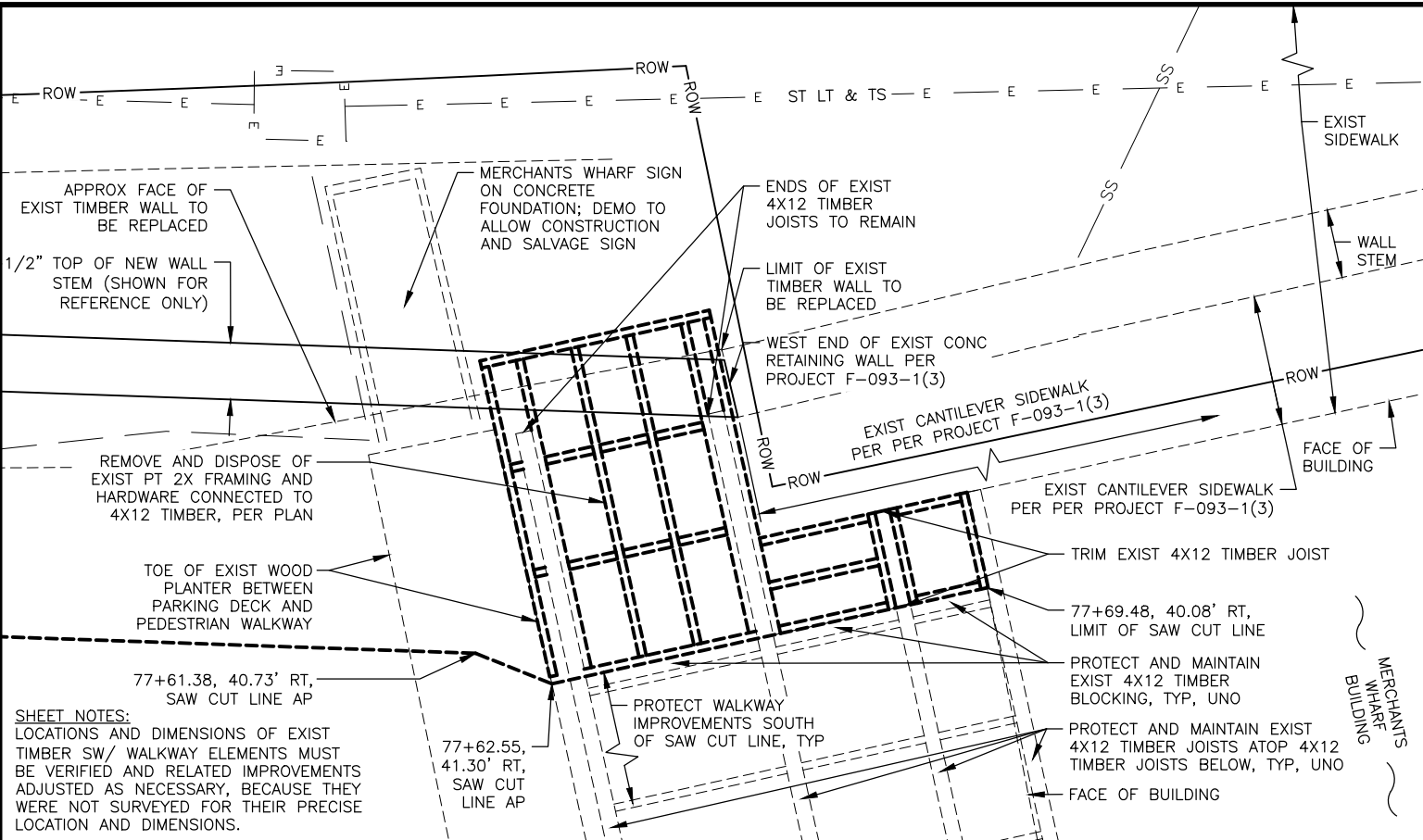
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST
 JUNEAU, AK
 DETAILS - MERCHANTS WHARF
 TIMBER WALL REPLACEMENT

10/26/18

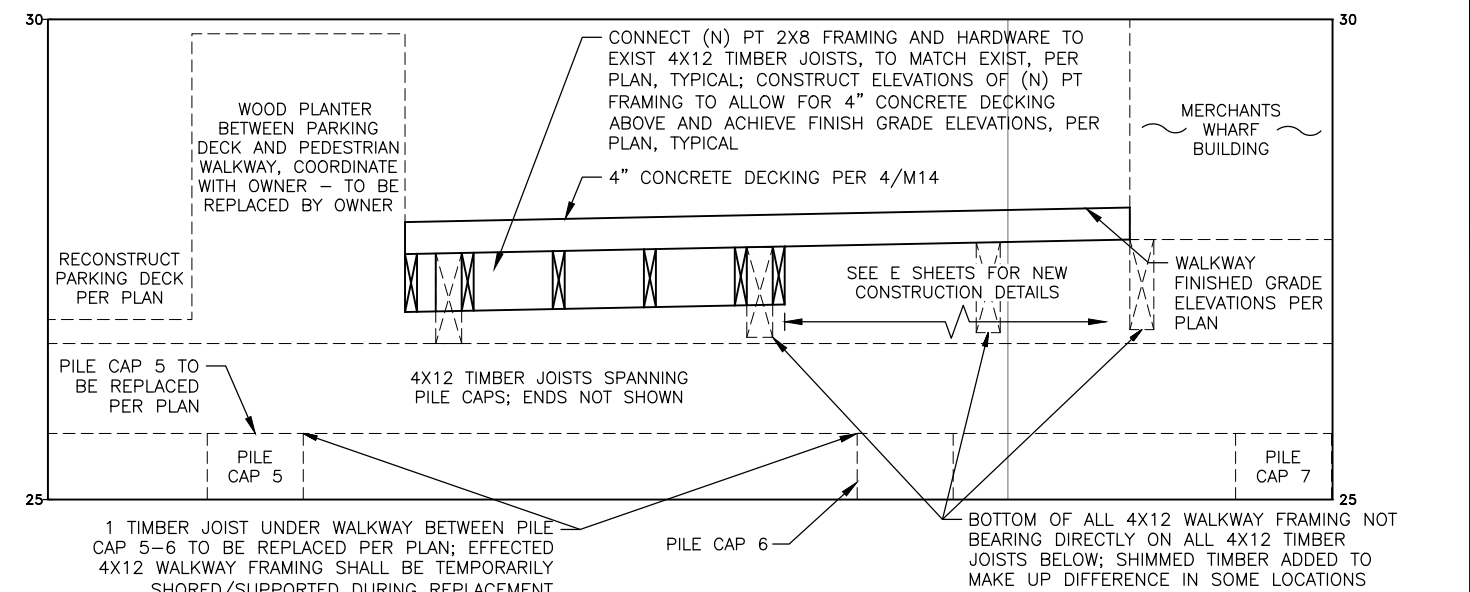
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M14	M19



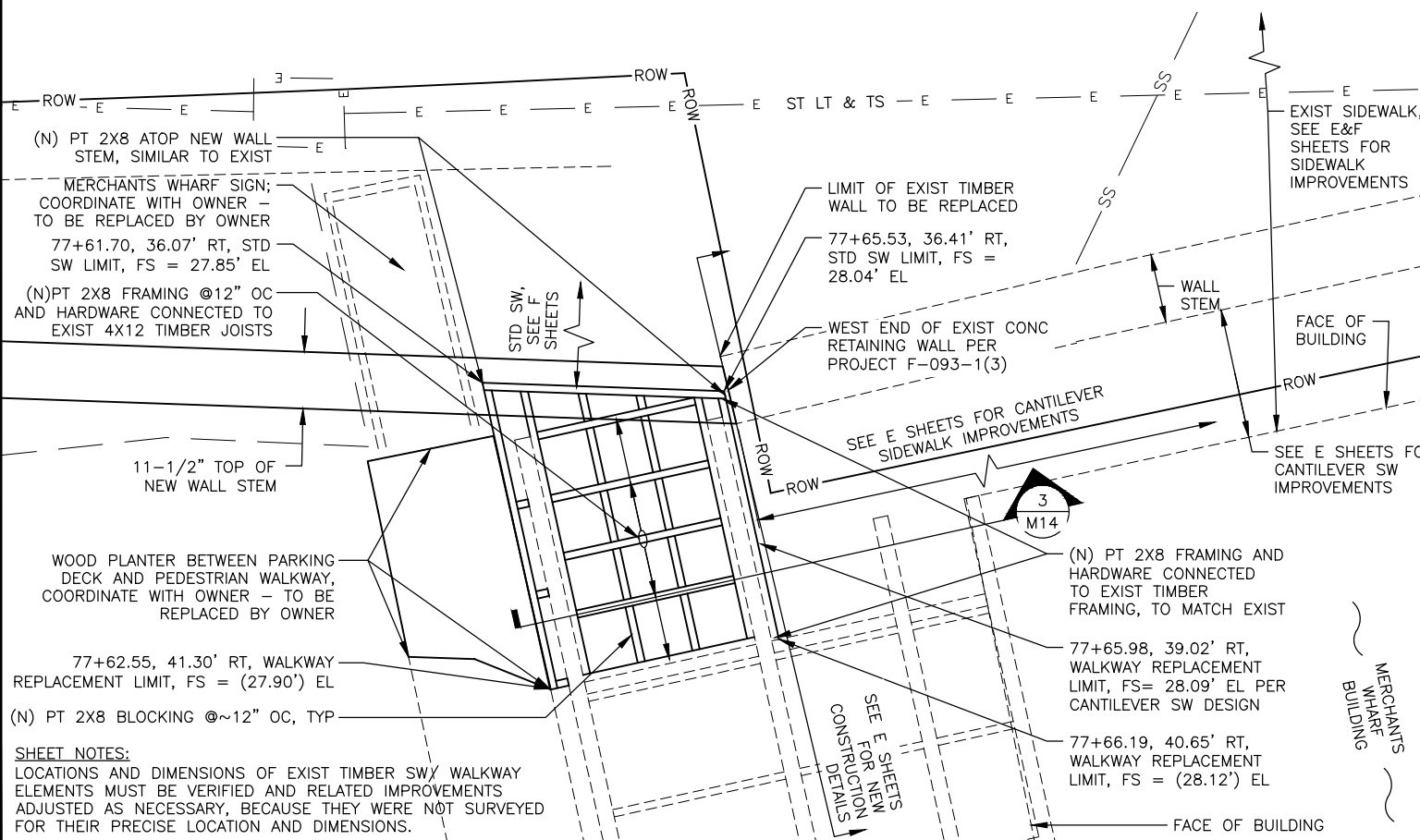
1 WALKWAY DEMO SCALE: PER BAR SCALE



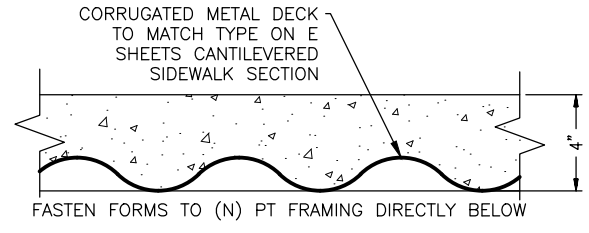
SHEET NOTES: LOCATIONS AND DIMENSIONS OF EXIST TIMBER SW/ WALKWAY ELEMENTS MUST BE VERIFIED AND RELATED IMPROVEMENTS ADJUSTED AS NECESSARY, BECAUSE THEY WERE NOT SURVEYED FOR THEIR PRECISE LOCATION AND DIMENSIONS.

FASTEN (N) PT WALKWAY FRAMING WITH 316 SS 16D NAILS WITH ANNULAR RING SHANKS, 1 1/2" MIN FROM ENDS, TYPICAL.

3 TYPICAL WALKWAY REPLACEMENT SCALE: NOT TO SCALE



2 WALKWAY IMPROVEMENTS SCALE: PER BAR SCALE



- ALL HARDWARE, INCLUDING FASTENERS, SHALL BE GALVANIZED

4 TYPICAL 4" CONCRETE DECKING SCALE: NOT TO SCALE

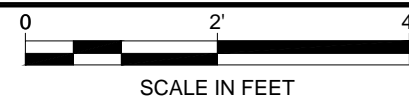
PLANS DEVELOPED BY: PDC INC. ENGINEERS 6205 GLACIER HIGHWAY JUNEAU, AK 99801 (907) 780-6060 AECC605



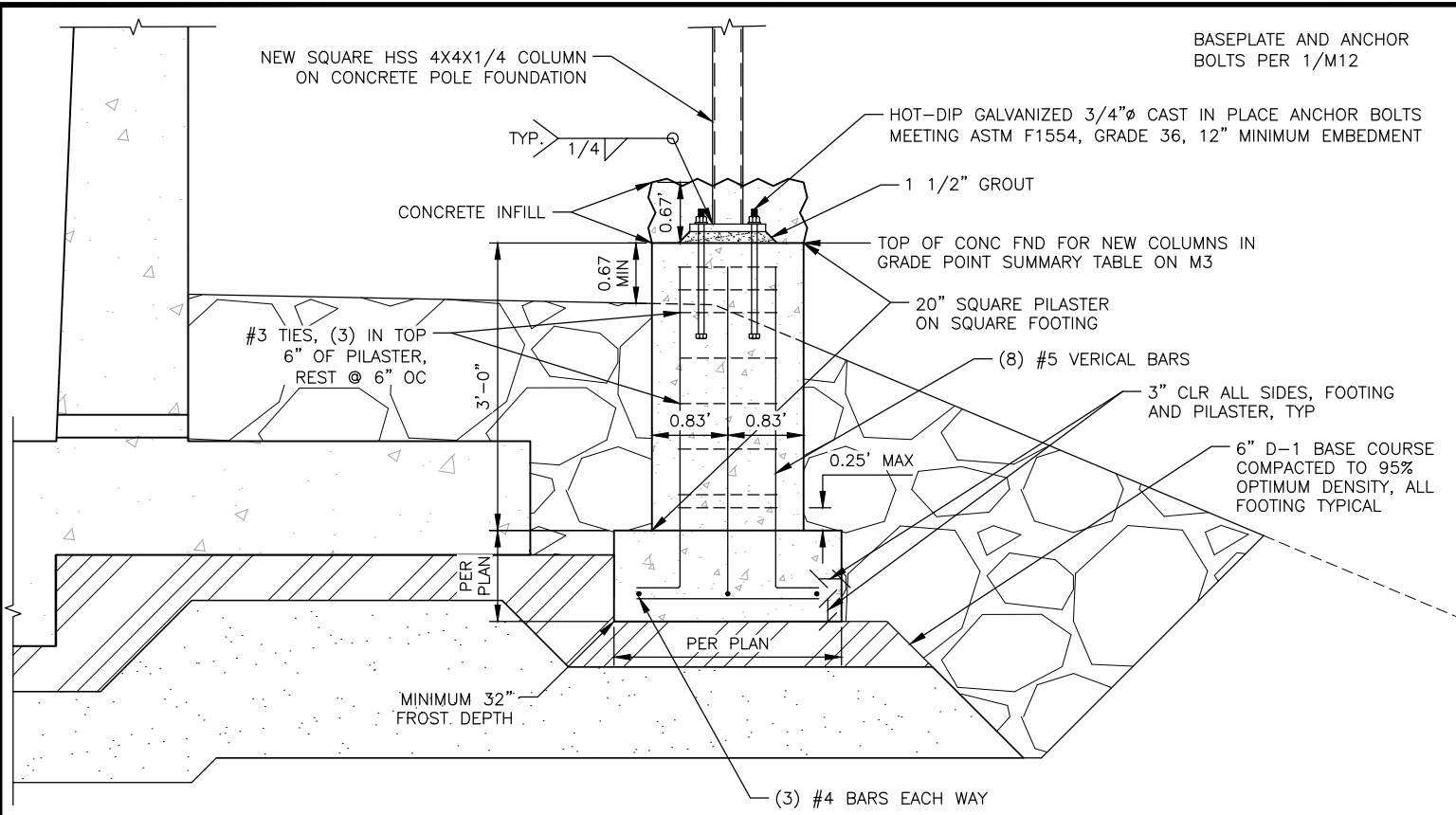
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST JUNEAU, AK
DETAILS - MERCHANTS WHARF TIMBER WALL REPLACEMENT

FILE P:\2016\160999.IN-ADOT_Egan_Ret_Wall\C\69393_M15.dwg DATE 8/8/2018 15:10 LAYOUT M15 DESIGNED M15 CHECKED M15 STORY DRAFTED B.ARMAGOST

BASEPLATE AND ANCHOR BOLTS PER 1/M12



NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	M15	M19

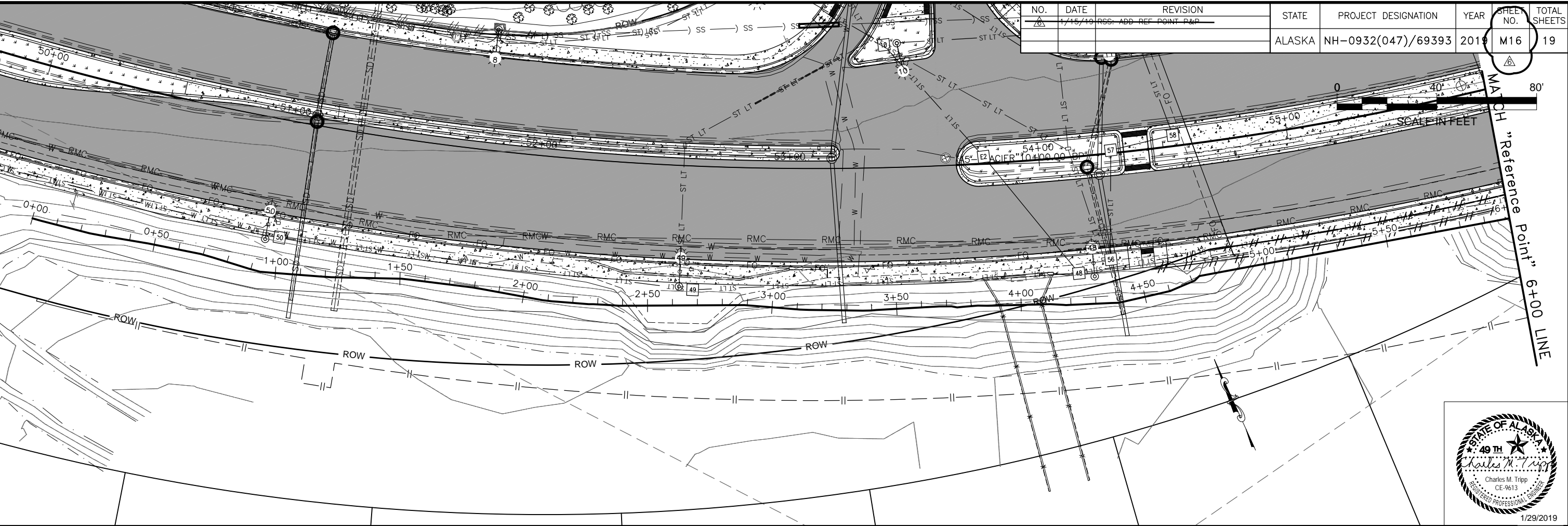


1 TYPICAL CONCRETE FOUNDATION FOR NEW COLUMNS
M15 SCALE: PER BAR SCALE

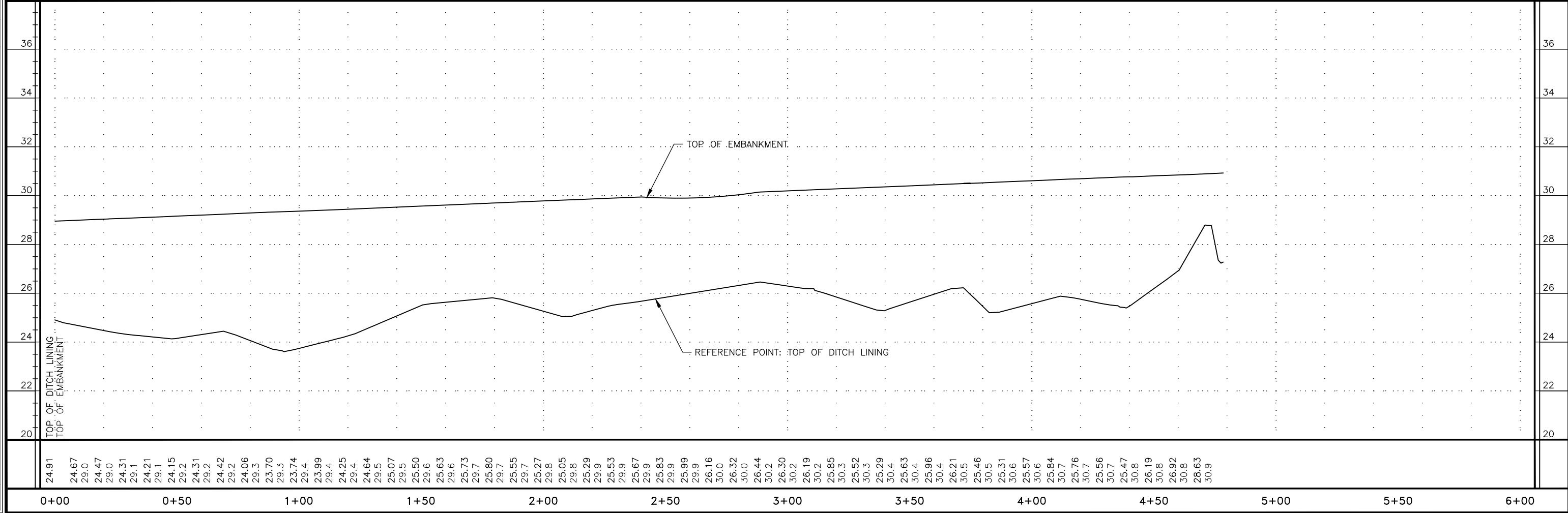
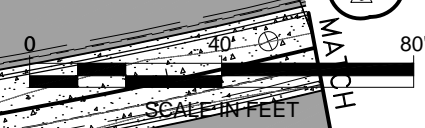
<p>PLANS DEVELOPED BY: PDC INC. ENGINEERS 6205 GLACIER HIGHWAY JUNEAU, AK 99801 (907) 780-6060 AECC605</p>	<p>08/08/18</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST JUNEAU, AK</p> <p>DETAILS - MERCHANTS WHARF TIMBER WALL REPLACEMENT</p>
--	-----------------	--

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 CERTIFICATE OF AUTH #:

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 DATE 1/29/2019 10:08
 LAYOUT M16
 DESIGNED PJ
 CHECKED CT
 DRAFTED PJ

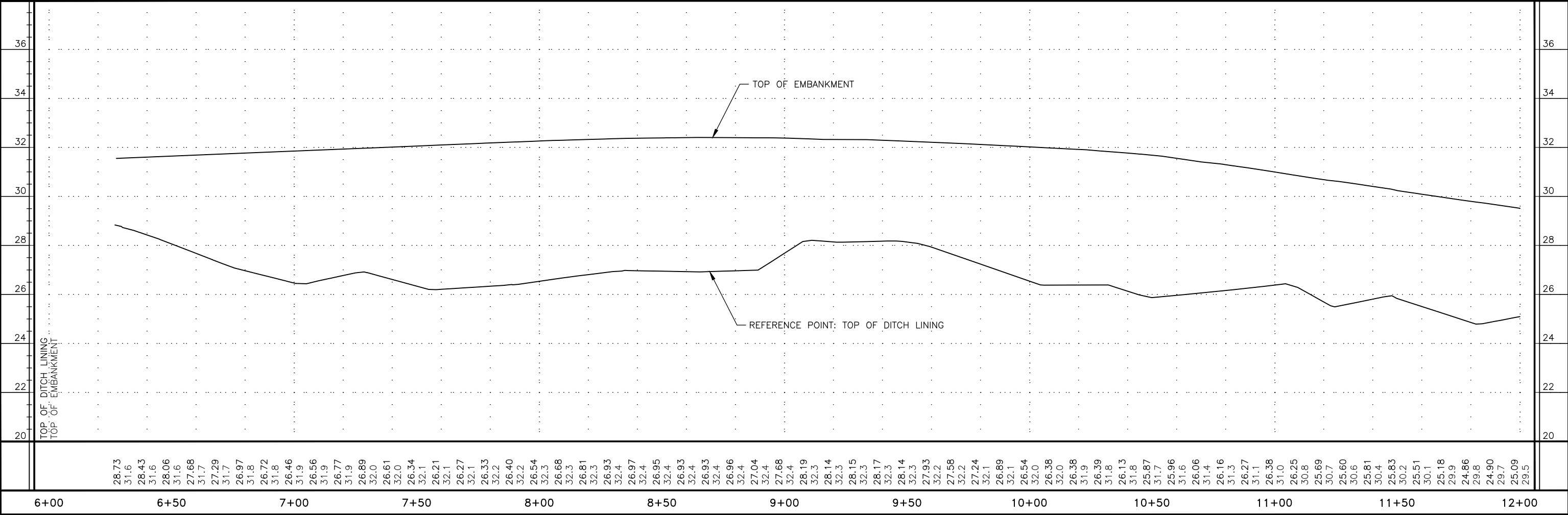
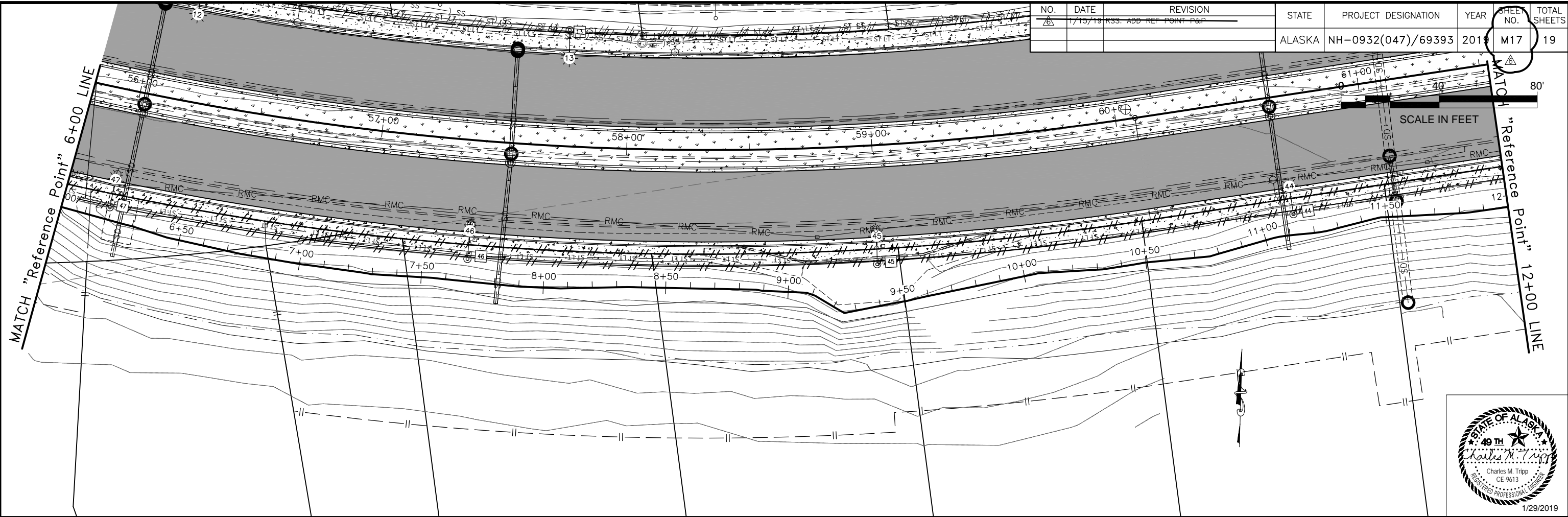


NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	1/15/19	RCS- ADD REF POINT P&P	ALASKA	NH-0932(047)/69393	2019	M16	19



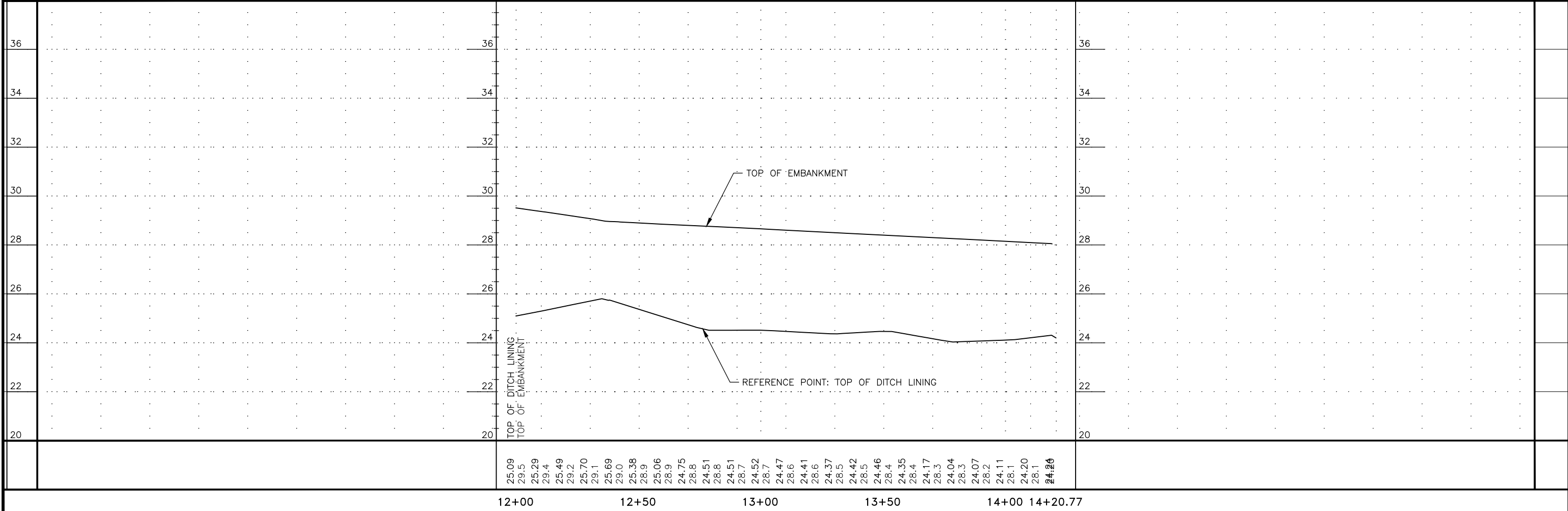
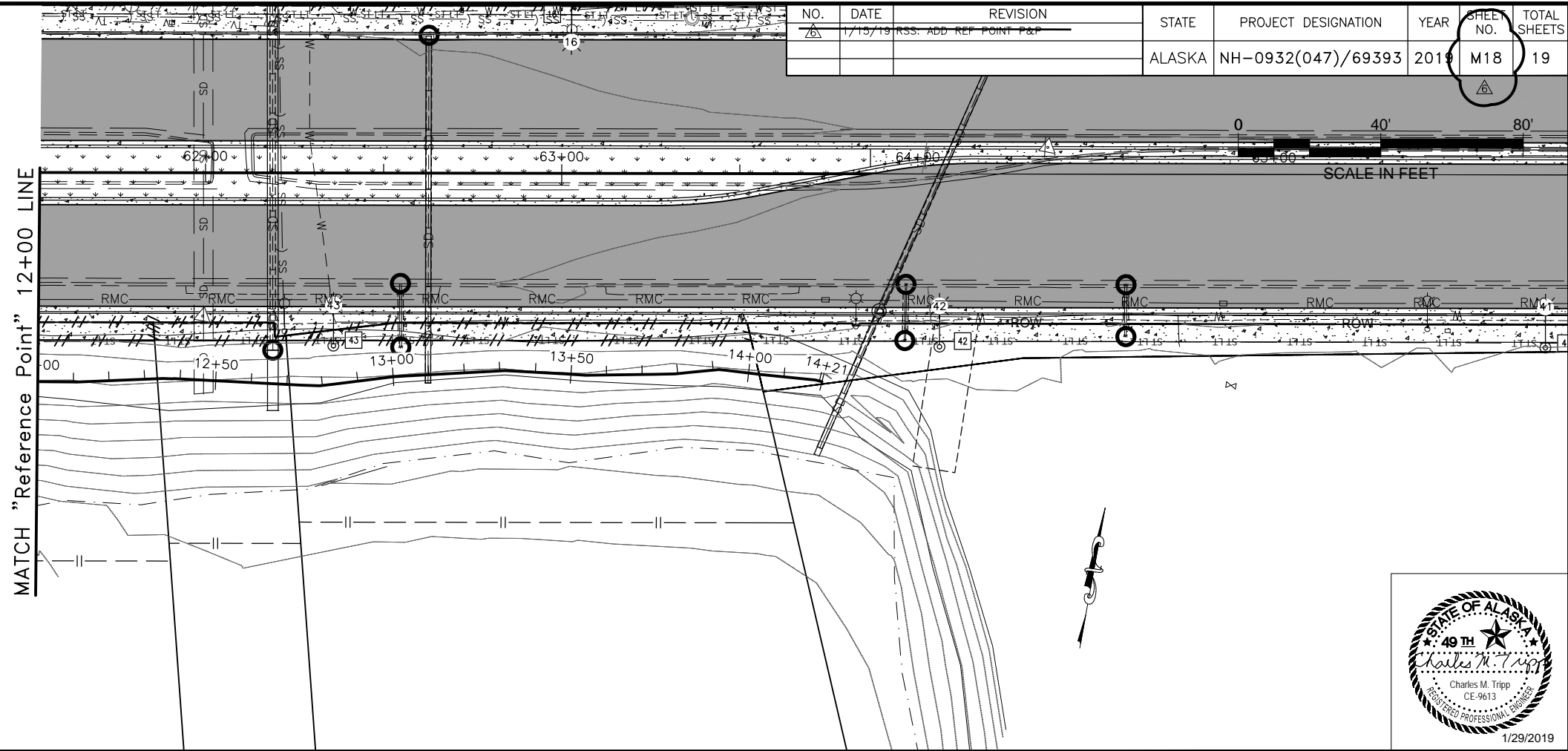
FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 CERTIFICATE OF AUTH #:
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 DATE 1/29/2019 10:08 LAYOUT M17
 DESIGNED PJ
 CHECKED CT
 DRAFTED PJ

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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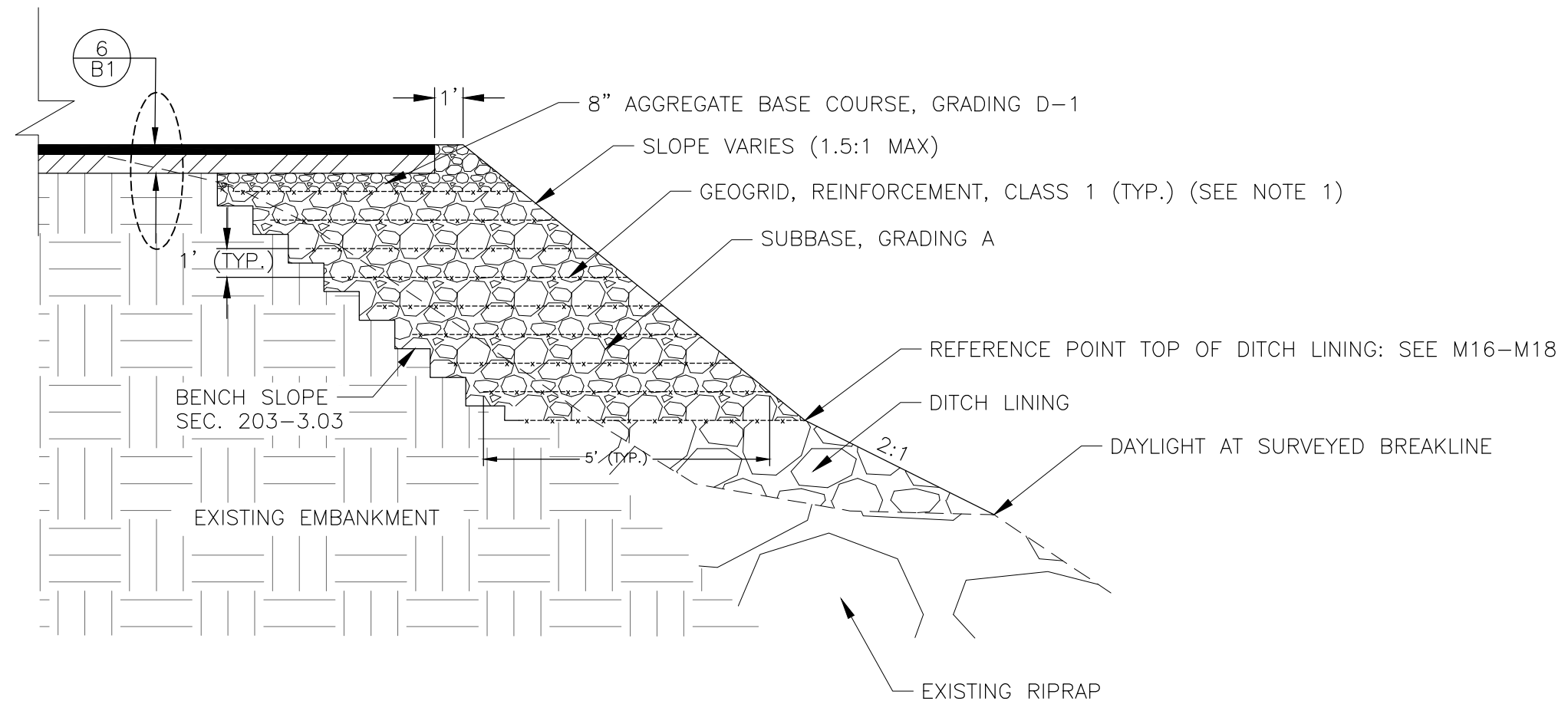
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 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 1/29/2019 10:08 LAYOUT M18
 PHONE (907) 465-1763
 DESIGNED PJ
 CHECKED CT
 DRAFTED PJ

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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FILE G:\nu\69393\Plmset\69393_M19_Typ.dwg DATE 1/29/2019 10:35 LAYOUT M19 DESIGNED PJ CHECKED CT DRAFTED BC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7	1/15/19	RGS: TYPICAL DETAIL ADDITION	ALASKA	NH-0932(047)/69393	2019	M19	19

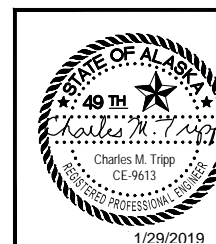


**REINFORCED SOIL SLOPE
NTS**

**TYPICAL FILL SECTION
STA. 50+00 TO STA. 63+85.00**

NOTE:

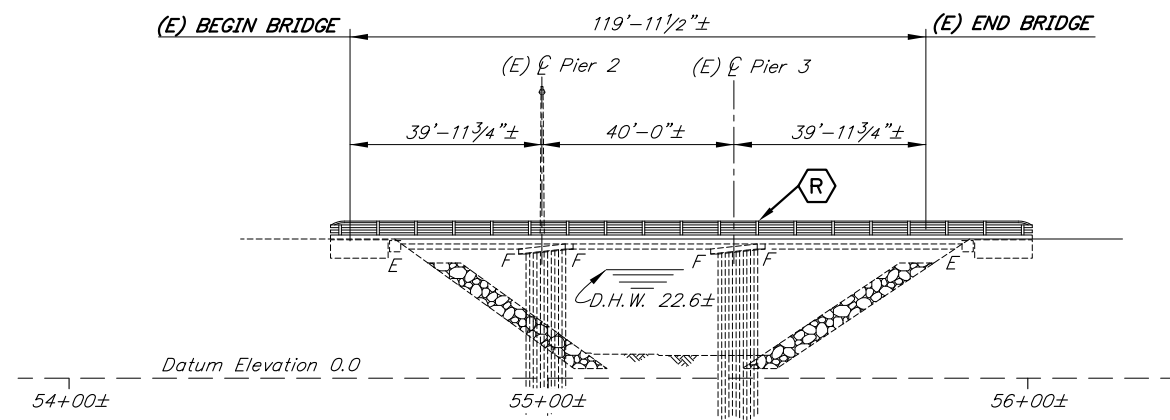
1. GEOGRID SHALL BE USED WHEN EMBANKMENT SLOPE EXCEEDS 2:1.
2. PIPE PILES (SEE 'J' SHEETS) SHALL BE DRIVEN PRIOR TO REINFORCED SOIL SLOPE CONSTRUCTION.
3. HTL ELEVATION: 20.6'
4. THE REFERENCE POINT AT THE TOP OF DITCH LINING IS APPROXIMATE. FIELD ADJUST THE HORIZONTAL CONTROL TO ENSURE NO DITCH LINING DAYLIGHTS BELOW THE HTL.



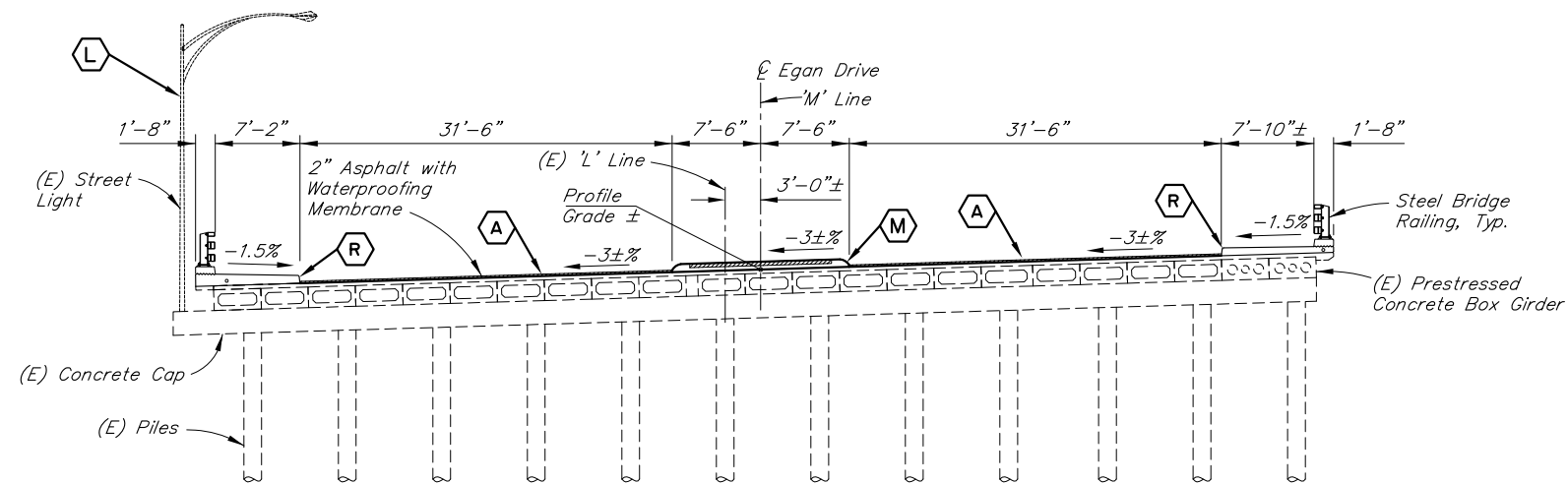
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-1763

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

REINFORCED SOIL SLOPE DETAILS



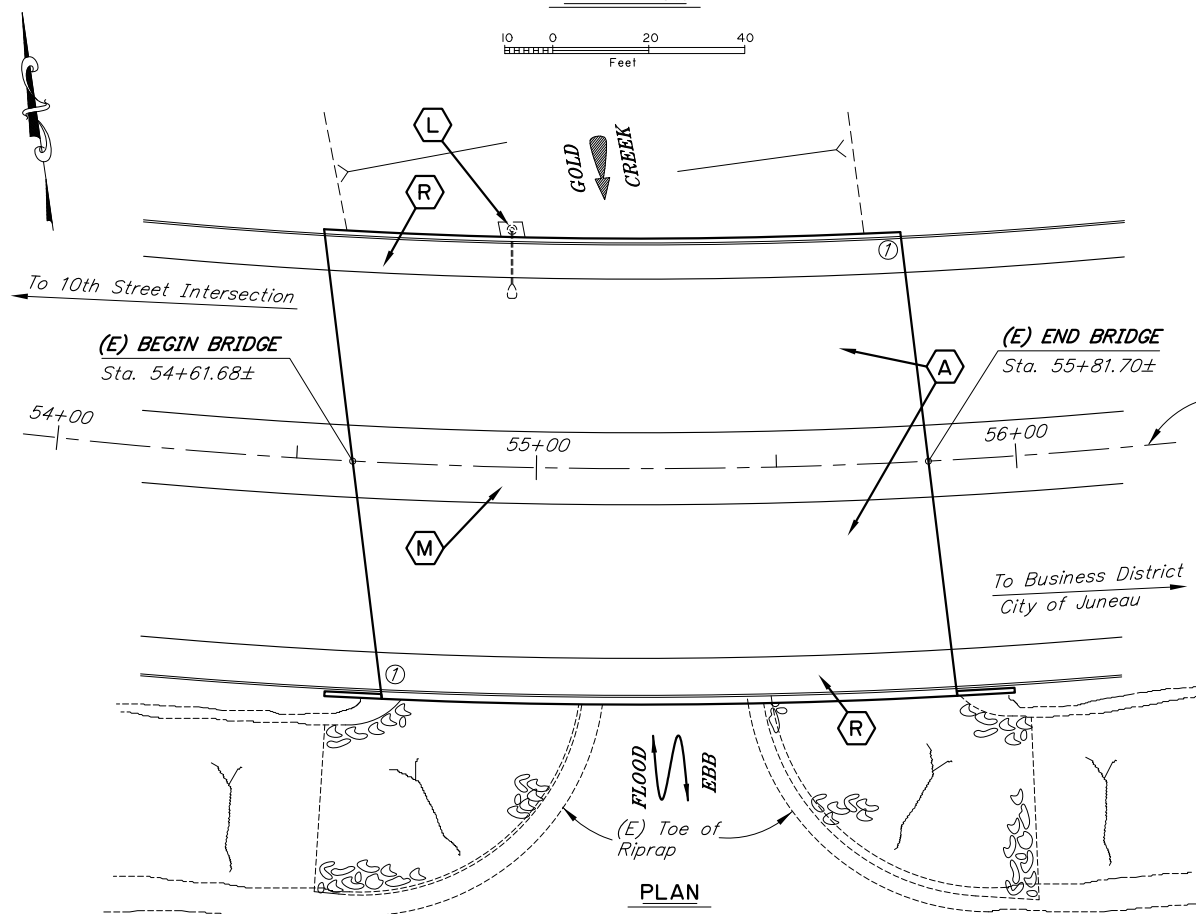
ELEVATION



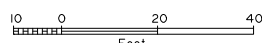
TYPICAL SECTION



BRIDGE DRAWING INDEX	
TITLE	DWG. NO.
GENERAL LAYOUT	1
GENERAL NOTES	2
TYPICAL SECTIONS	3
DETAILS	4
RAILING LAYOUT	5
STEEL BRIDGE RAILING	6



PLAN



CURVE DATA:

M" 54+52.23± PI
 $\Delta = 61^\circ 54' 24'' \pm$
 $D = 4' 57' 23'' \pm$
 $T = 693.32 \pm$
 $L = 1249.03 \pm$
 $R = 1156.00 \pm$
 $S = 3\% \pm$

REHABILITATION

LEGEND	
(A)	Remove and Replace Asphalt and Waterproofing Membrane
(L)	Remove existing Street Light
(M)	Remove and Replace Center Median
(R)	Remove and Replace Sidewalk and Steel Bridge Railing

NOTES:

- (E) = Existing
- = Existing
- = Proposed

① Approximate location of bridge number plates.

DESIGNED BY: <i>Elmer Marx</i>	CHECKED BY: <i>Mary McRae</i>	LAYOUT BY: <i>Elmer Marx</i>	CHECKED BY: <i>Mary McRae</i>
DRAWN BY: <i>Sam Sallie</i>	CHECKED BY: <i>Elmer Marx</i>	SPECIFICATIONS BY: <i>Elmer Marx</i>	P S & E COMPARED BY: <i>Mary McRae</i>
QUANTITIES BY: <i>Elmer Marx</i>	CHECKED BY: <i>Mary McRae</i>	APPROVAL RECOMMENDED BY: <i>Rich Pratt</i>	

STATE OF ALASKA
**DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES**
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975



GOLD CREEK BRIDGE
EGAN DRIVE
GENERAL LAYOUT



BRIDGE NO. 732
DWG. NO. 1

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	N2	N6

ESTIMATE OF QUANTITIES

ITEM NO.	ITEM	PAY UNIT	ESTIMATING UNIT	SUBST.	SUPERST.	TOTAL QUANTITY
202.0001.0000	Removal of Structures and Obstructions	LS	SF	---	4,840	4,840
501.0001.0000	Class A Concrete	LS	CY	---	84.9	84.9
503.0002.0000	Epoxy-Coated Reinforcing Steel	LS	LBS	---	9,460	9,460
503.0003.0000	Drill and Bond Dowels	EA	EA	---	242	242
507.0001.0000	Steel Bridge Railing, New	LF	LF	---	263.8	263.8
508.0001.0000	Waterproofing Membrane (Spray-on)	LS	SF	---	7,560	7,560
608.2013.0005	Concrete Slabs, Colored & Pattern imprinted, 4 inches Thick	SY	SY	---	160	160

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

GENERAL NOTES

DESIGN:..... AASHTO LRFD Bridge Design Specifications, 2017 Edition, with latest interim specifications.

LIVE LOAD:..... See "AS-BUILT" Plans

DEAD LOAD:..... Includes 50 psf for all wearing surfaces.

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

CONCRETE:..... Class A Concrete, f'c = 4000 psi

Existing stations, elevations and dimensions are based on as-built plans, and those plans may not show existing dimensions and conditions. Where dimensions of the proposed work depend on the existing bridge dimensions, field-verify the controlling dimensions and adjust proposed dimensions of the work to fit existing conditions.

ABBREVIATIONS:

C	= centerline	ksf	= 1000 pounds per square foot
pl	= plate	LB	= pound
&	= and	LF	= linear foot
@	= at	LS	= lump sum
∅	= diameter	Lt.	= left
±	= approximate	max.	= maximum
Abut.	= abutment	min.	= minimum
Approx.	= approximate	n.f.	= near face
b.f.	= back/dirt face	No.	= number
bot.	= bottom	o.c.	= on center
Br.	= bridge	O.H.W.	= ordinary high water
btwn.	= between	psf	= pounds per square foot
Brg.	= Bearings	psi	= pounds per square inch
C.I.P.	= cast in place	PVC	= point of vertical curve
Clr.	= clear, clearance	PVI	= point of vertical intersection
CY	= cubic yard	PVT	= point of vertical tangent
dia.	= diameter	R.O.W.	= right of way
Dwg.	= drawing	Rt.	= right
E	= expansion	Rd.	= road
(E)	= existing	spc.	= space, spaces
EA	= each	Sta.	= station
Elev.	= elevation	SF	= square feet
e.f.	= each face	SUPERST	= superstructure
e.w.	= each way	SUBST	= substructure
F	= fixed	Symm.	= symmetric
f.f.	= front/air face	Typ.	= typical
Hwy.	= highway	w/	= with

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975



GOLD CREEK BRIDGE
EGAN DRIVE
GENERAL NOTES



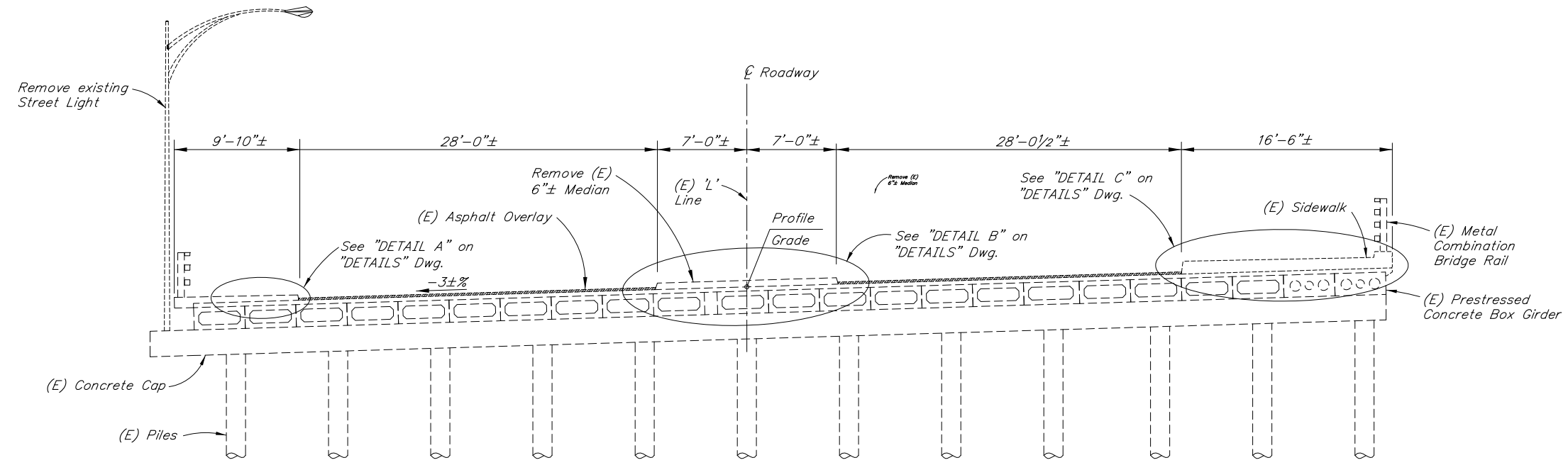
BRIDGE NO. 732
DWG. NO. 2

REHABILITATION

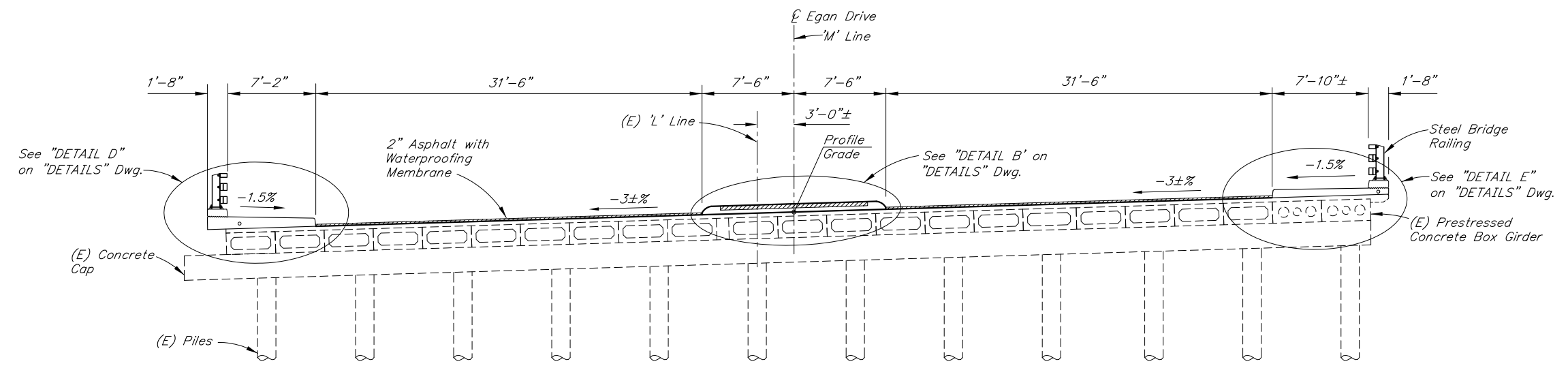
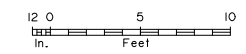
C:\Users\Mcmisler\AppData\Local\Temp\AcPublish_8016\732 Rehab 2016-GENERAL NOTES Tue, Aug/07/18 11:47am

DESIGNED BY: <i>Elmer Marx</i> <i>Elmer Marx</i>	CHECKED BY: <i>Mary McRae</i> <i>Mary McRae</i>
DRAWN BY: <i>Sam Sallie</i> <i>Sam Sallie</i>	CHECKED BY: <i>Elmer Marx</i> <i>Elmer Marx</i>
QUANTITIES BY: <i>Elmer Marx</i> <i>Elmer Marx</i>	CHECKED BY: <i>Mary McRae</i> <i>Mary McRae</i>

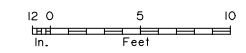
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	N3	N6



EXISTING TYPICAL SECTION



TYPICAL SECTION



NOTES:
 (E) = Existing
 - - - - = Existing
 ——— = Proposed

Verify controlling field dimensions before ordering or fabricating any material.

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DESIGNED BY: <i>Elmer Marx</i> <i>Elmer Marx</i>	CHECKED BY: <i>Mary McRae</i> <i>Mary McRae</i>
DRAWN BY: <i>Sam Sallie</i> <i>Sam Sallie</i>	CHECKED BY: <i>Elmer Marx</i> <i>Elmer Marx</i>
QUANTITIES BY: <i>Elmer Marx</i> <i>Elmer Marx</i>	CHECKED BY: <i>Mary McRae</i> <i>Mary McRae</i>

REHABILITATION

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 BRIDGE SECTION
 3132 Channel Drive
 Juneau, Alaska 99801
 907-465-2975



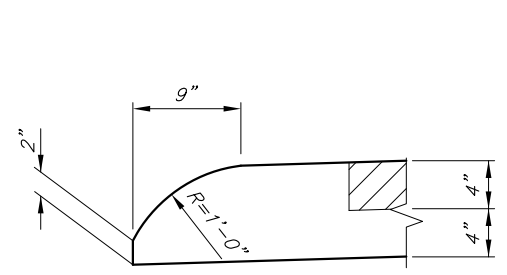
GOLD CREEK BRIDGE
 EGAN DRIVE
TYPICAL SECTIONS


 BRIDGE NO. 732
 DWG. NO. 3

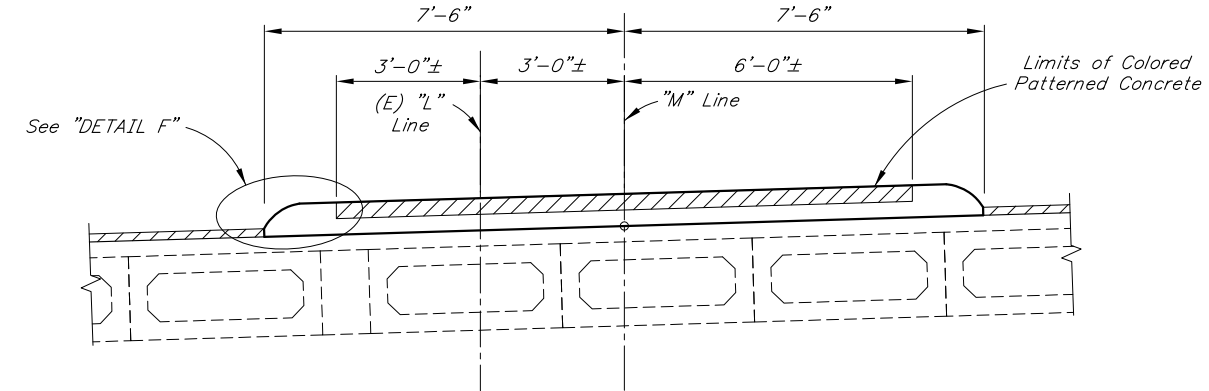
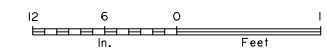
REINFORCING STEEL - SIDEWALK

MARK	NOTE	SIZE	NO.	LENGTH	TYPE	BENDING DIAGRAM
S401	E	4	121	9'-2"	---	
S402	E	4	121	8'-6"	---	
S403	E	4	242	1'-8"	---	
S501	E,S	5	42	119'-7"	---	
S502	E	5	121	10'-4"	BENT	
S503	E	5	121	9'-8"	BENT	
C401	E	4	82	4'-3"	BENT	
C402	E	4	82	5'-3"	BENT	
C501	E,S	5	4	119'-7"	---	

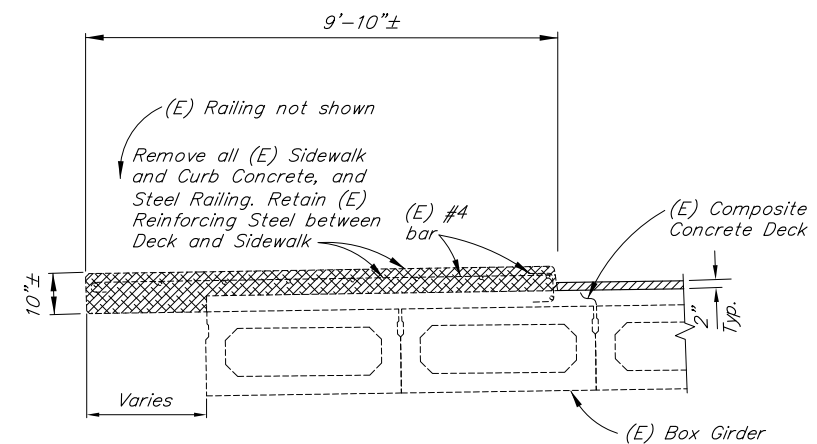
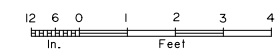
E - Epoxy-Coated
S - Splice permitted. Splice length not included.



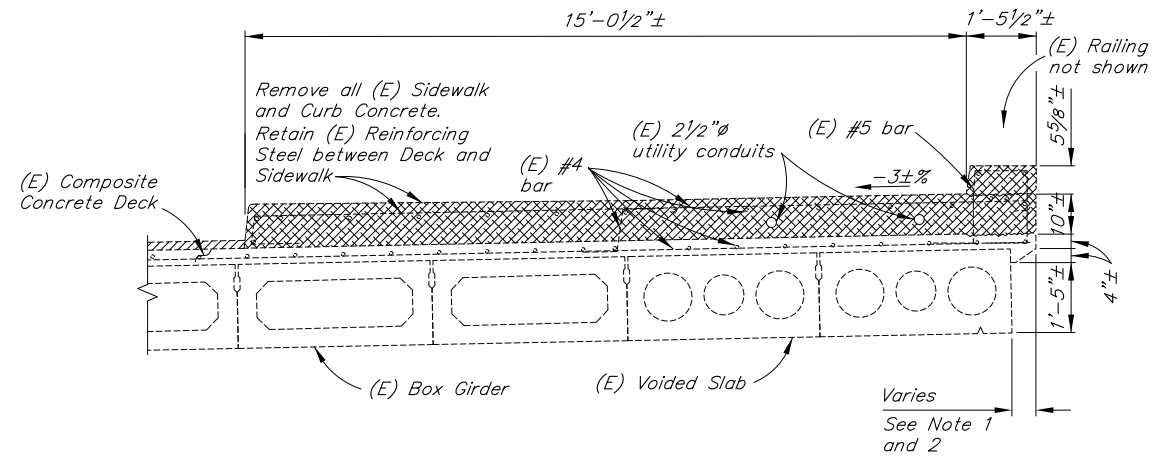
DETAIL F



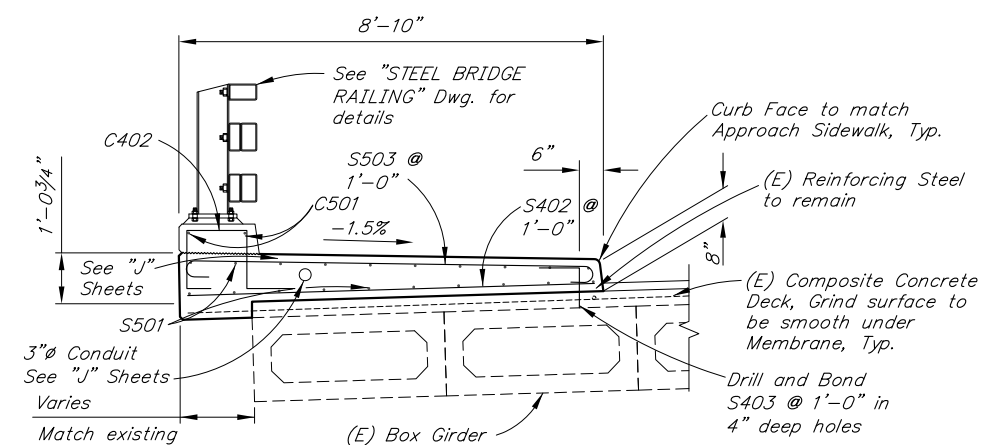
DETAIL B



DETAIL A

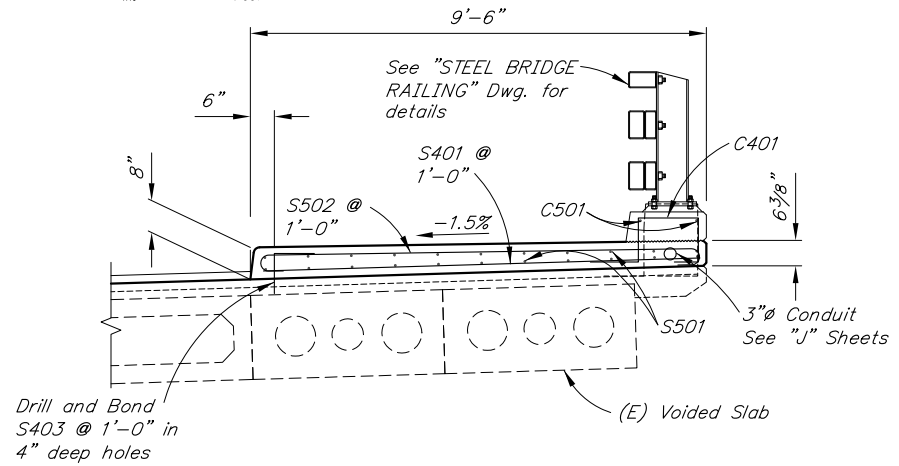
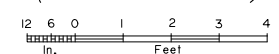


DETAIL C



DETAIL D

(UPSTREAM SIDEWALK)



DETAIL E

(DOWNSTREAM SIDEWALK)



NOTES:

- (E) = Existing
 - = Existing
 - = Proposed
1. Falsework below deck may be required.
 2. Do not damage existing deck or overhang.
 3. Do not remove or damage existing reinforcing steel between deck and sidewalks.
- Verify controlling field dimensions before ordering or fabricating any material.

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DESIGNED BY:	Elmer Marx	CHECKED BY:	Mary McRae
DRAWN BY:	Sam Sallie	CHECKED BY:	Elmer Marx
QUANTITIES BY:	Elmer Marx	CHECKED BY:	Mary McRae

REHABILITATION

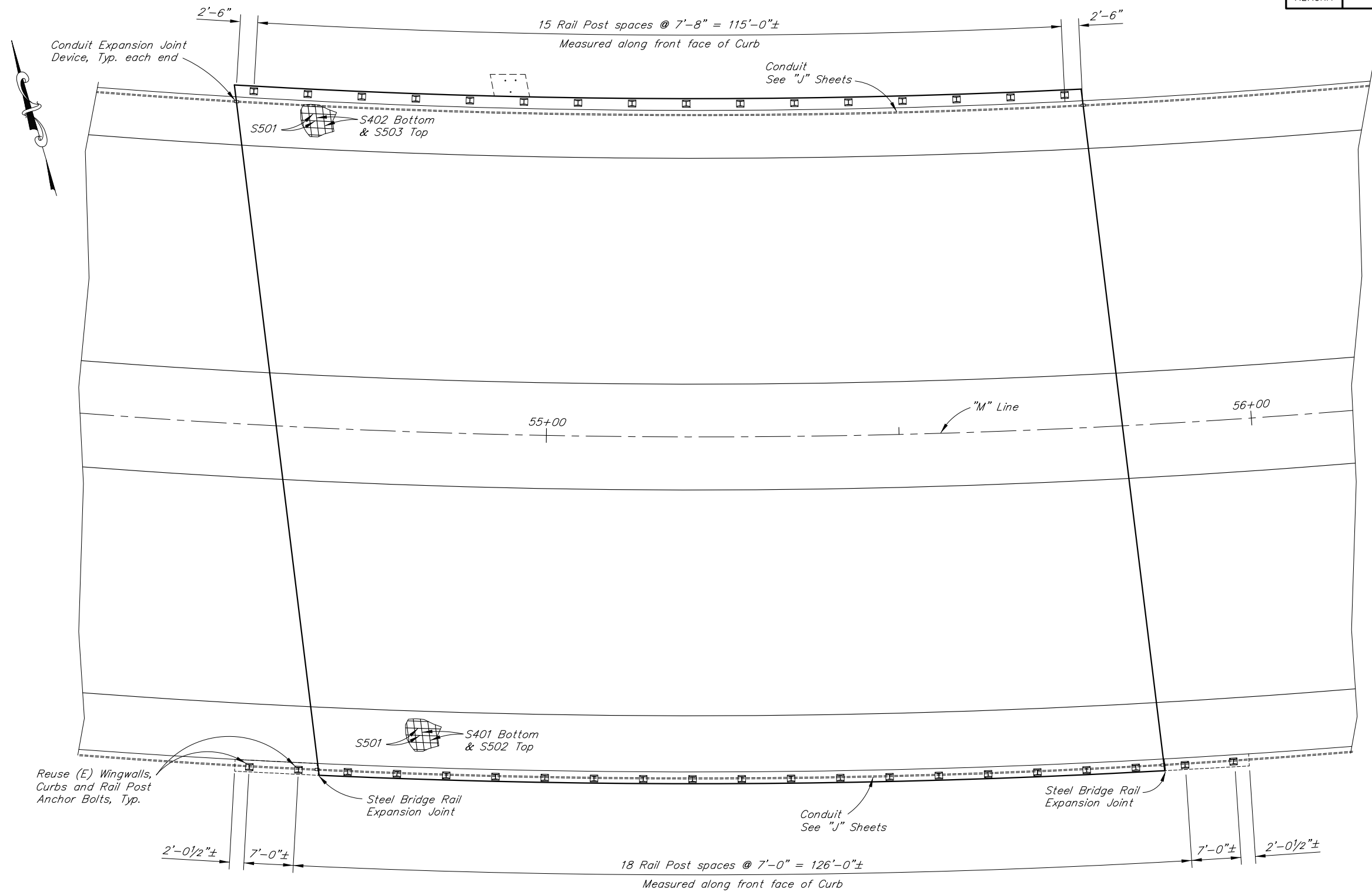
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
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Juneau, Alaska 99801
907-465-2975



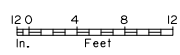
GOLD CREEK BRIDGE
EGAN DRIVE
DETAILS

BRIDGE NO. 732
DWG. NO. 4

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	N5	N6



RAILING LAYOUT



Verify controlling field dimensions before ordering or fabricating any material.

DESIGNED BY: <i>Elmer Marx</i> <i>Elmer Marx</i>	CHECKED BY: <i>Mary McRae</i> <i>Mary McRae</i>
DRAWN BY: <i>Sam Sallie</i> <i>Sam Sallie</i>	CHECKED BY: <i>Elmer Marx</i> <i>Elmer Marx</i>
QUANTITIES BY: <i>Elmer Marx</i> <i>Elmer Marx</i>	CHECKED BY: <i>Mary McRae</i> <i>Mary McRae</i>

REHABILITATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975



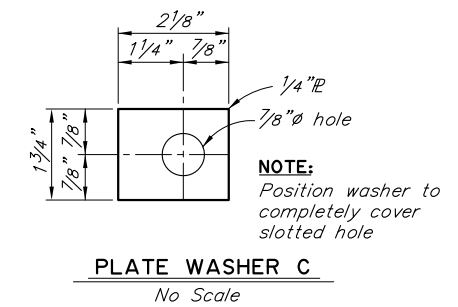
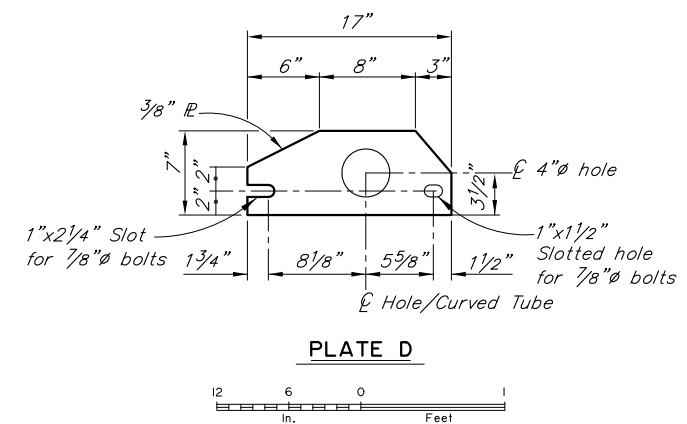
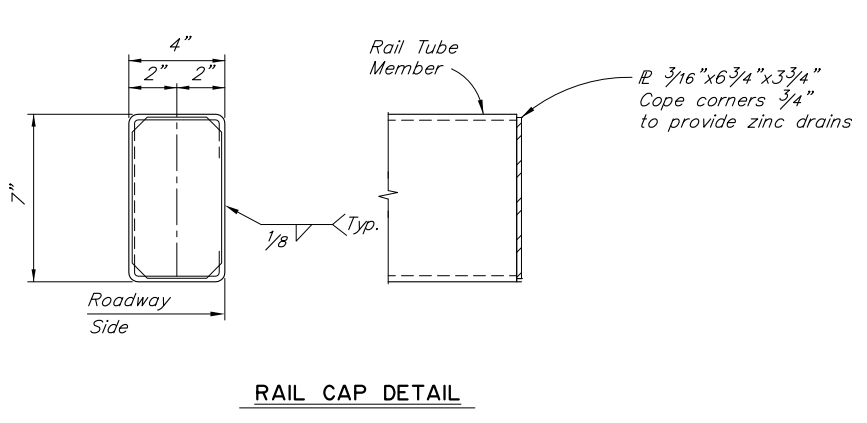
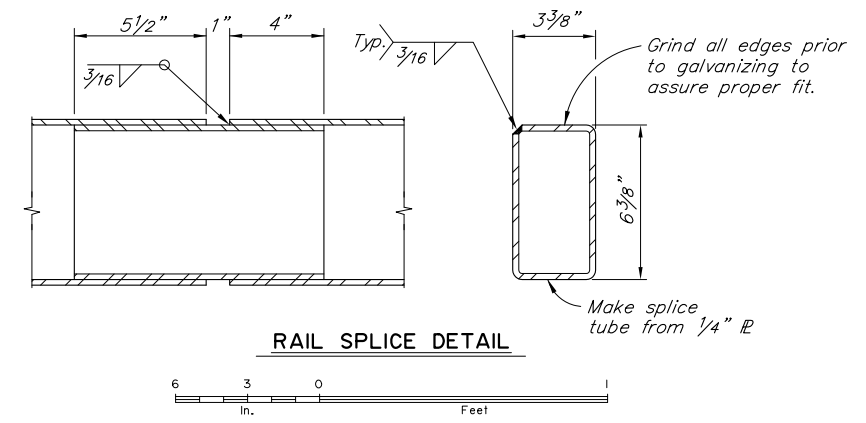
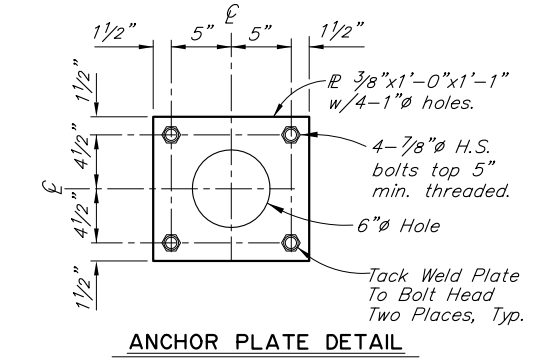
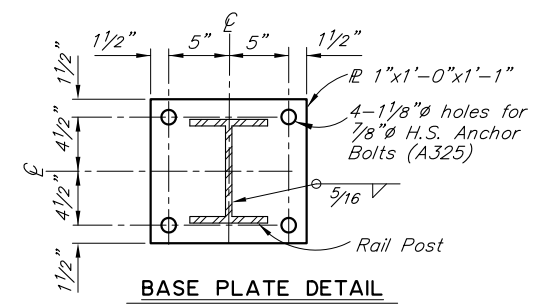
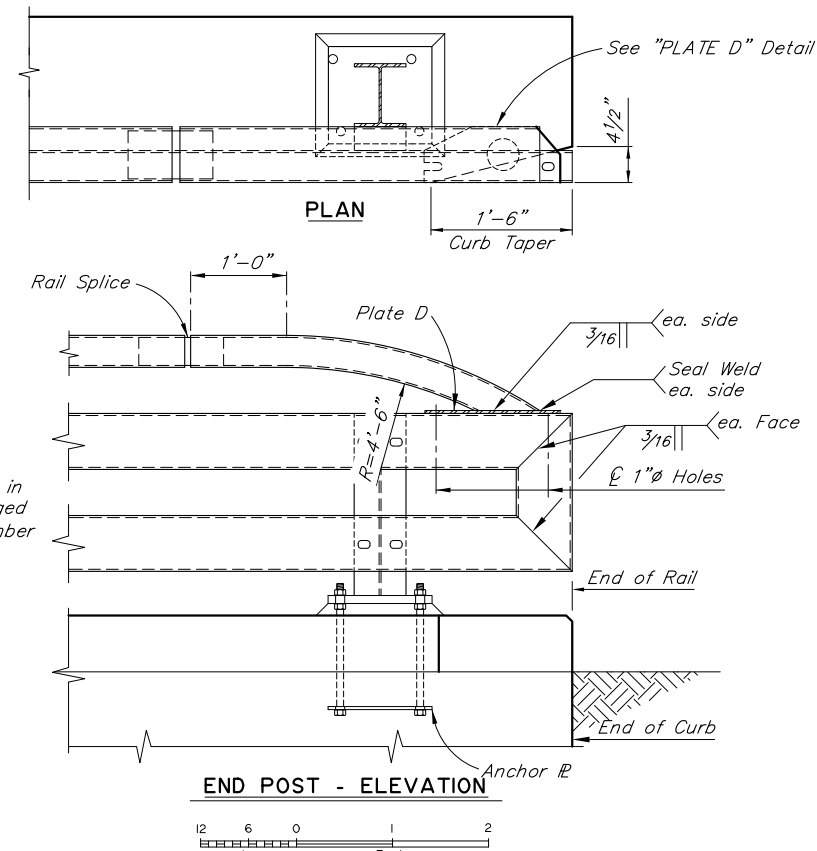
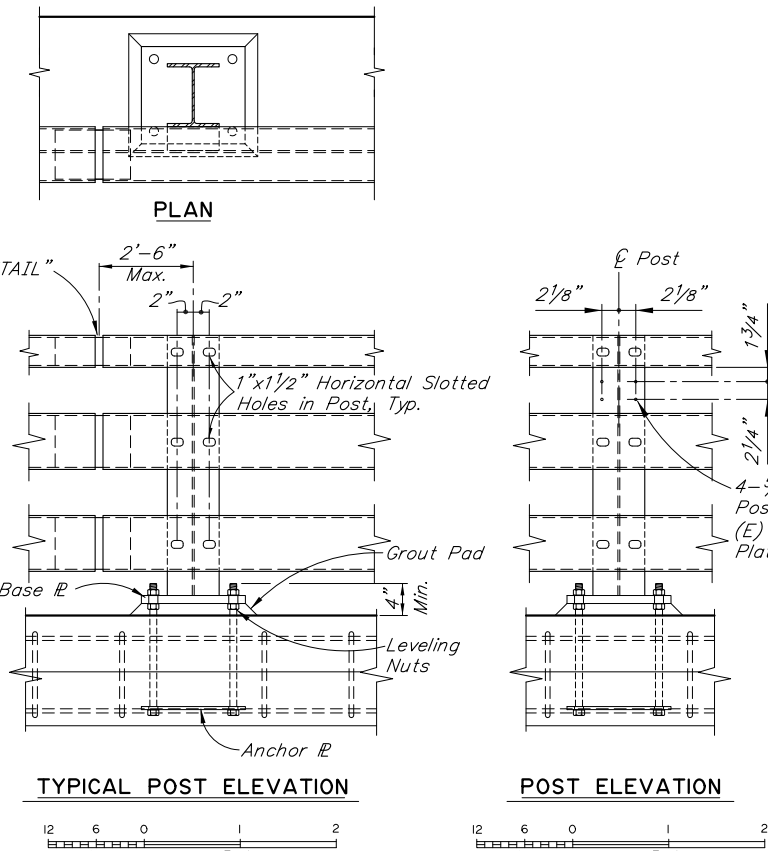
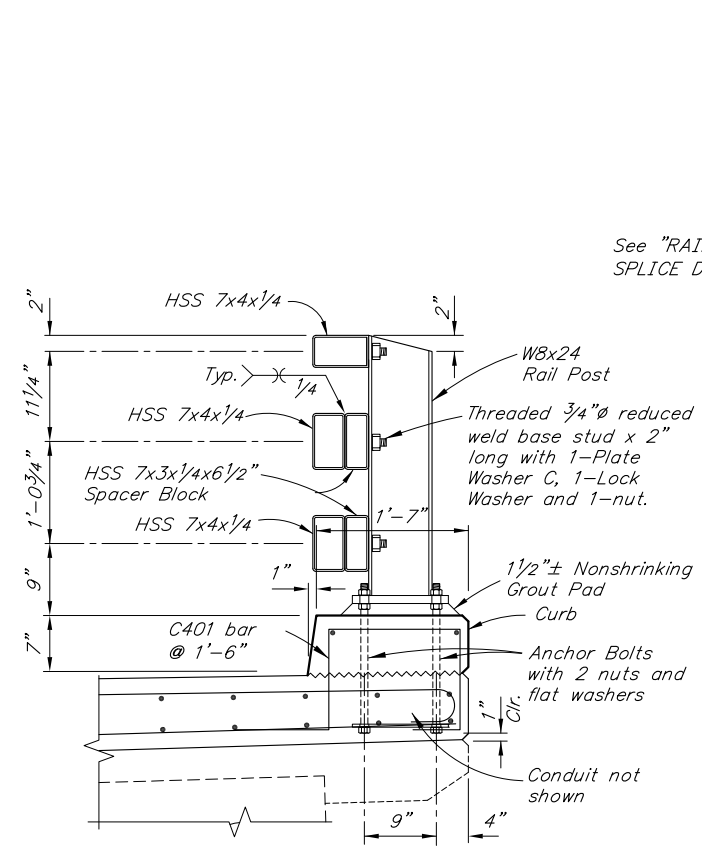
GOLD CREEK BRIDGE
EGAN DRIVE
RAILING LAYOUT



BRIDGE NO. 732
DWG. NO. 5

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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	N6	N6



- NOTES:**
1. Locate bridge number plates as shown (2 total) on "GENERAL LAYOUT" Dwg.
 2. Provide railing expansion joints at 50'-0" max. intervals. Provide a minimum of 2 rail posts between railing expansion joints. Railing expansion joints are required in rail panels that span bridge expansion joints.
 3. Install posts plumb.
 4. Use grout with a minimum 24 hour f'c of 3 ksi.
 5. See "RAILING LAYOUT" Dwg. for rail post spacing and overhang length.
 6. Taper curb height over 40 ft. length as needed to match existing top of wingwalls at end of bridge. Maintain top of rail height along length of bridge.
- Verify controlling field dimensions before ordering or fabricating any material.

C:\Users\Mcmisler\AppData\Local\Temp\AcPublish_8016\732 Rehab 2016-STEEL BRIDGE RAILING Tue, Aug/07/18 11:47am

DESIGNED BY: Elmer Marx <i>Elmer Marx</i>	CHECKED BY: Mary McRae <i>Mary McRae</i>
DRAWN BY: Sam Sallie <i>Sam Sallie</i>	CHECKED BY: Elmer Marx <i>Elmer Marx</i>
QUANTITIES BY: Elmer Marx <i>Elmer Marx</i>	CHECKED BY: Mary McRae <i>Mary McRae</i>

REHABILITATION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
BRIDGE SECTION
3132 Channel Drive
Juneau, Alaska 99801
907-465-2975

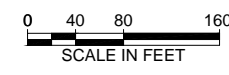
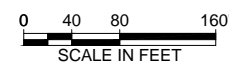
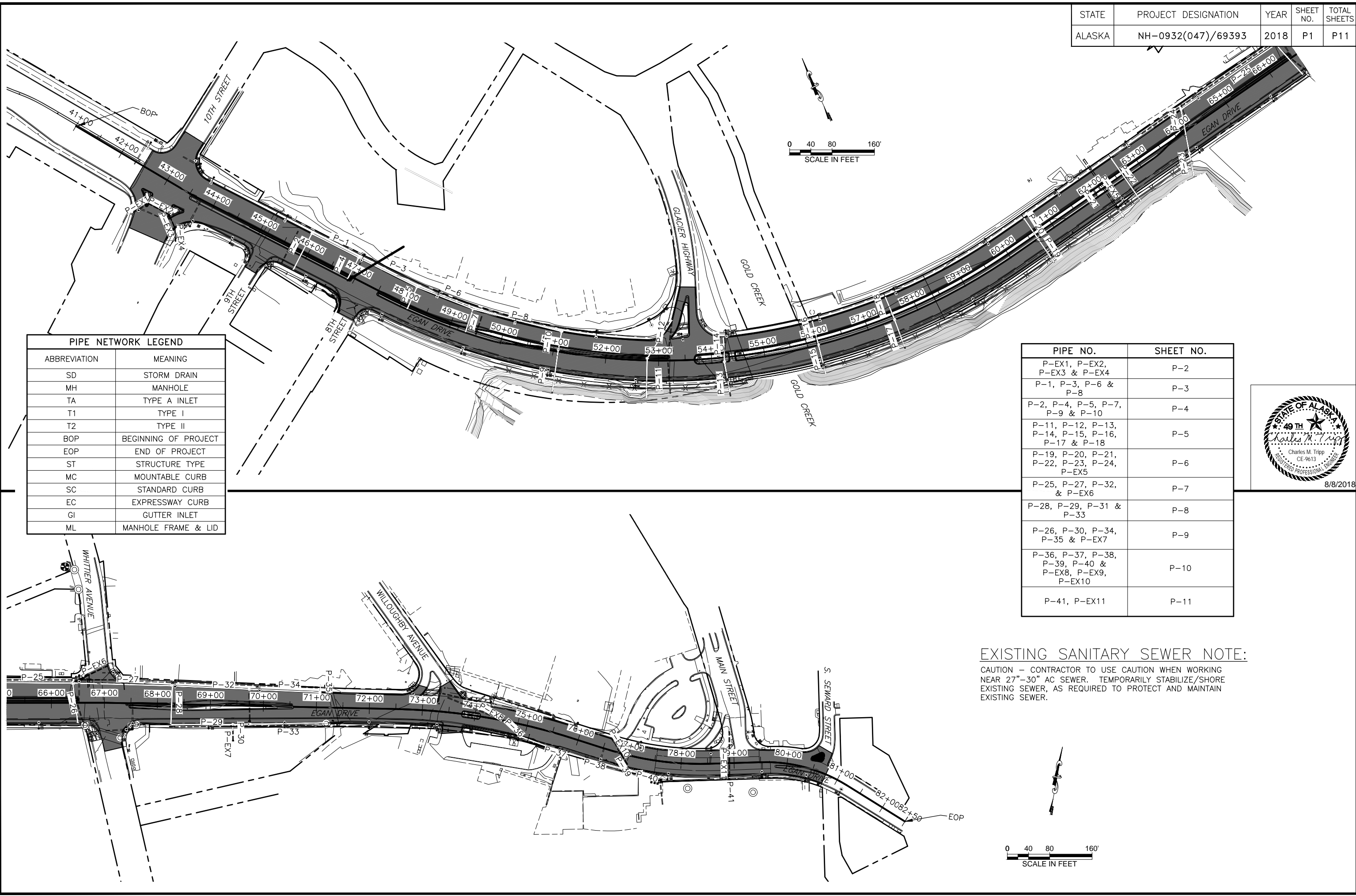


GOLD CREEK BRIDGE
EGAN DRIVE
STEEL BRIDGE RAILING

BRIDGE NO. 732
DWG. NO. 6

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	P1	P11

FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE G:\nu\69393\PlanSet\69393_P1-PX-Drainage_Details.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 DESIGNED NG,DP,TF
 CHECKED BP,CT
 DRAFTED NGRG,TF
 CERTIFICATE OF AUTH #:
 DATE 8/9/2018 8:39
 LAYOUT P1



PIPE NETWORK LEGEND	
ABBREVIATION	MEANING
SD	STORM DRAIN
MH	MANHOLE
TA	TYPE A INLET
T1	TYPE I
T2	TYPE II
BOP	BEGINNING OF PROJECT
EOP	END OF PROJECT
ST	STRUCTURE TYPE
MC	MOUNTABLE CURB
SC	STANDARD CURB
EC	EXPRESSWAY CURB
GI	GUTTER INLET
ML	MANHOLE FRAME & LID

PIPE NO.	SHEET NO.
P-EX1, P-EX2, P-EX3 & P-EX4	P-2
P-1, P-3, P-6 & P-8	P-3
P-2, P-4, P-5, P-7, P-9 & P-10	P-4
P-11, P-12, P-13, P-14, P-15, P-16, P-17 & P-18	P-5
P-19, P-20, P-21, P-22, P-23, P-24, P-EX5	P-6
P-25, P-27, P-32, & P-EX6	P-7
P-28, P-29, P-31 & P-33	P-8
P-26, P-30, P-34, P-35 & P-EX7	P-9
P-36, P-37, P-38, P-39, P-40 & P-EX8, P-EX9, P-EX10	P-10
P-41, P-EX11	P-11

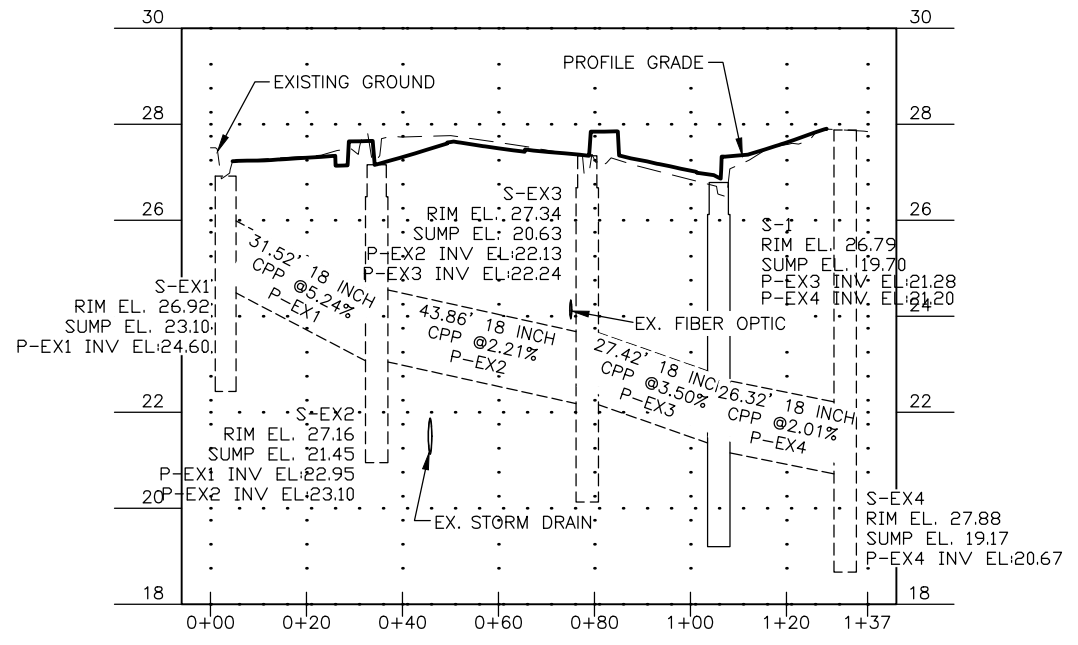
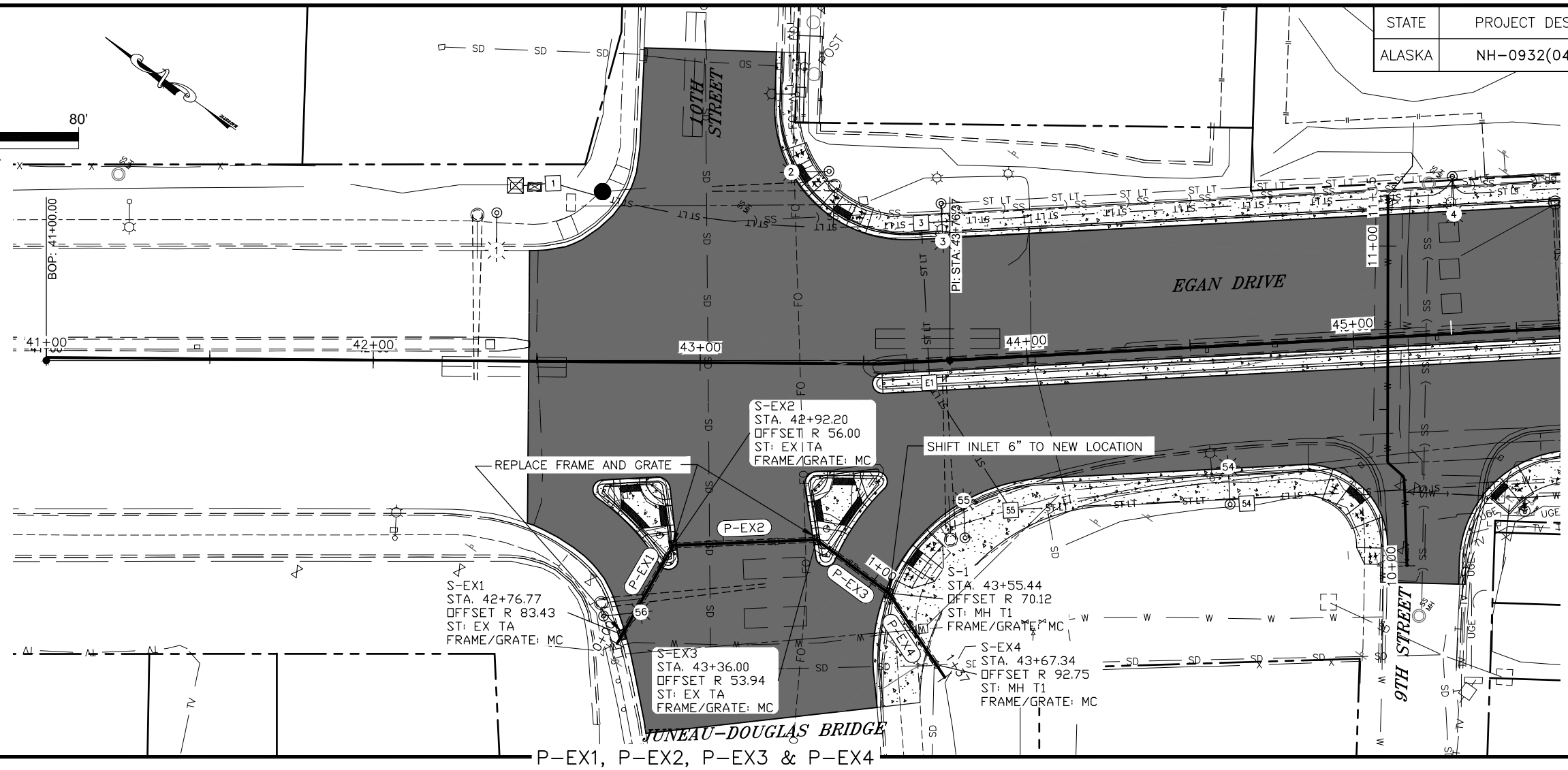
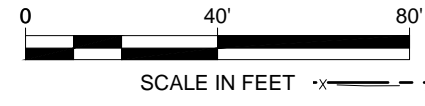


EXISTING SANITARY SEWER NOTE:

CAUTION - CONTRACTOR TO USE CAUTION WHEN WORKING NEAR 27"-30" AC SEWER. TEMPORARILY STABILIZE/SHORE EXISTING SEWER, AS REQUIRED TO PROTECT AND MAINTAIN EXISTING SEWER.

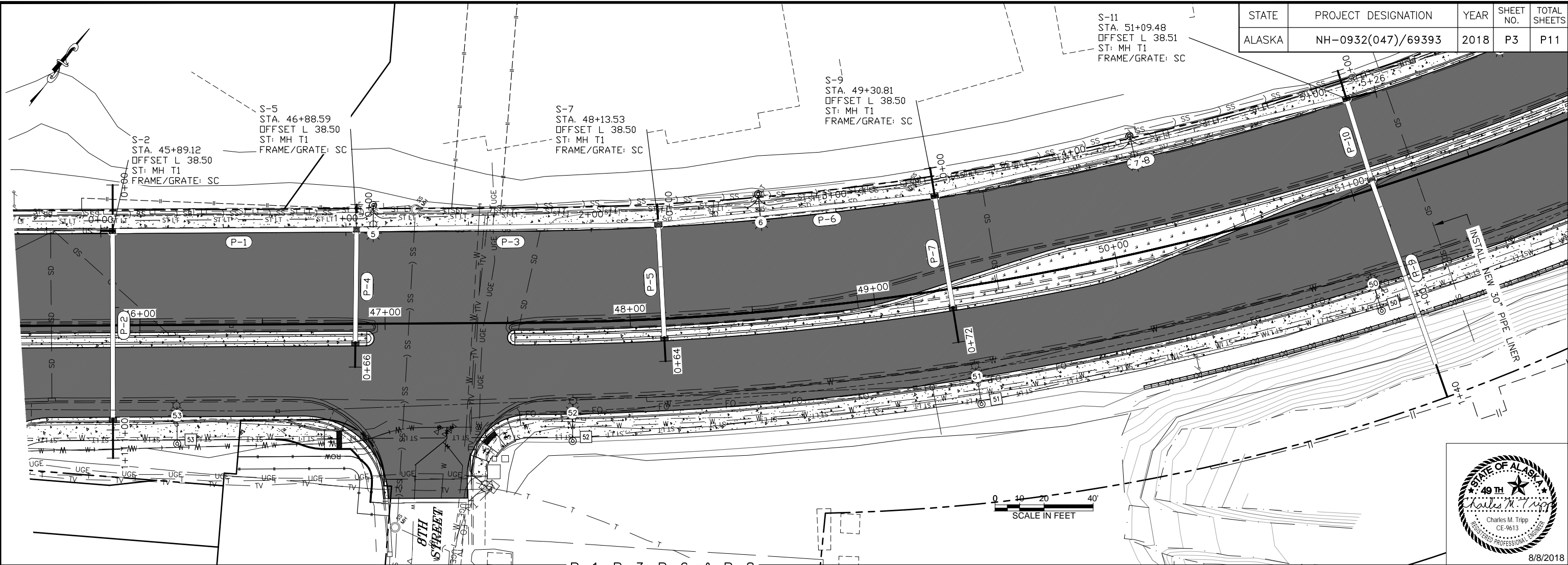
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 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 8/9/2018 8:39 LAYOUT P2
 PHONE (907) 465-1763 DESIGNED NG,DP,TF
 CHECKED BP,CT
 DRAFTED NGRG,TF
 CERTIFICATE OF AUTH #:
 NG,DP,TF

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	P2	P11

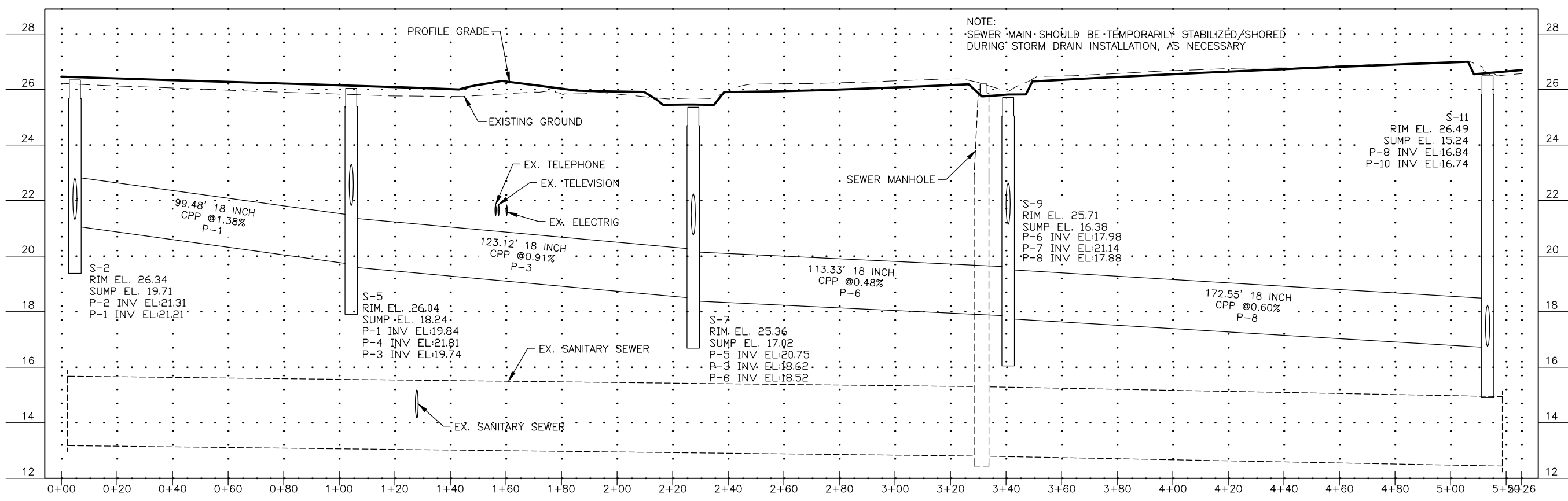


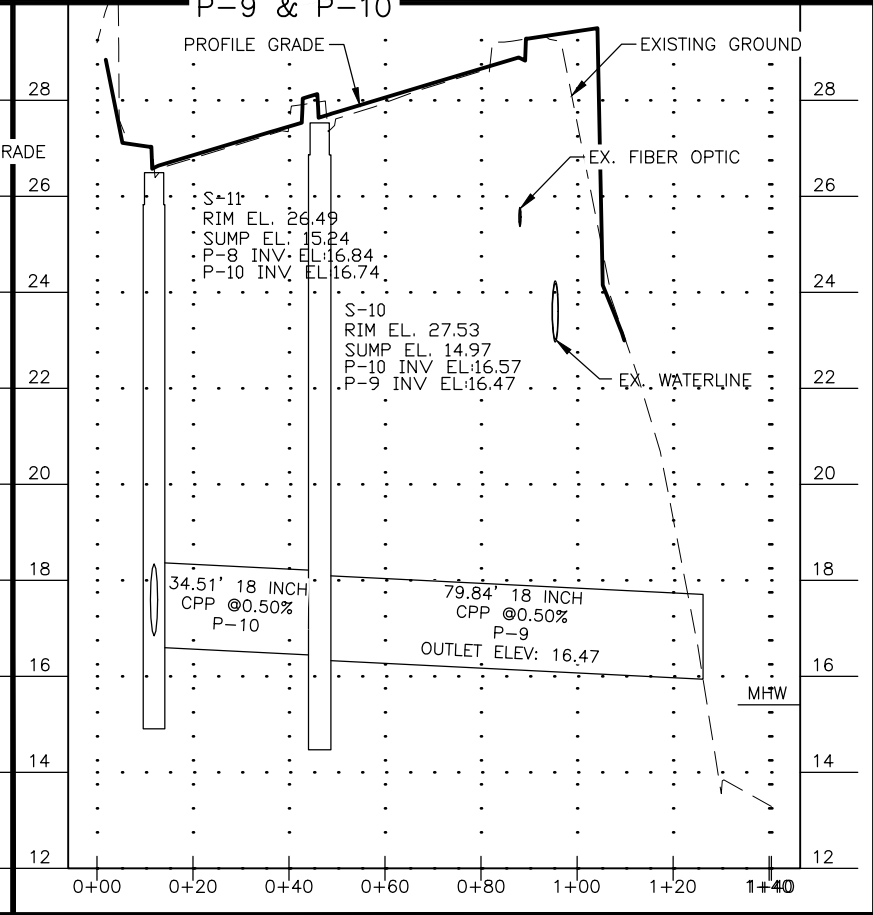
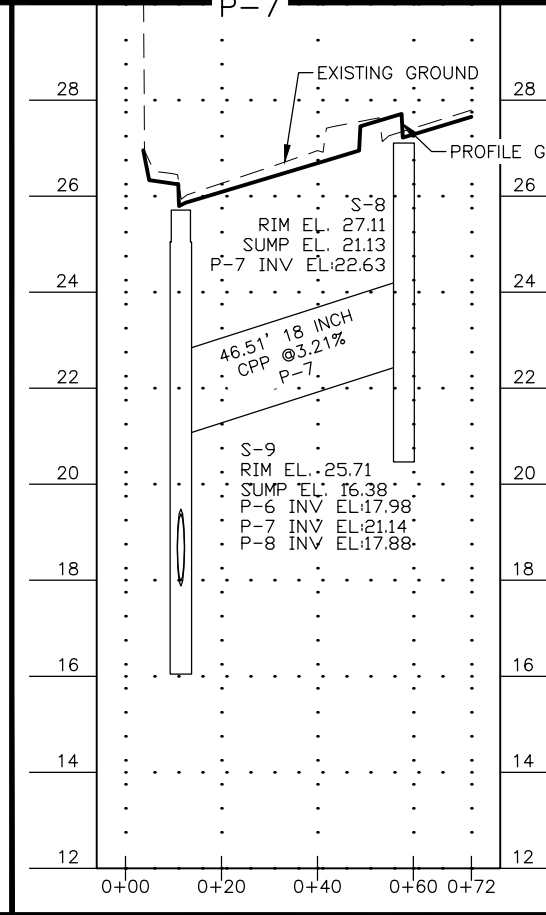
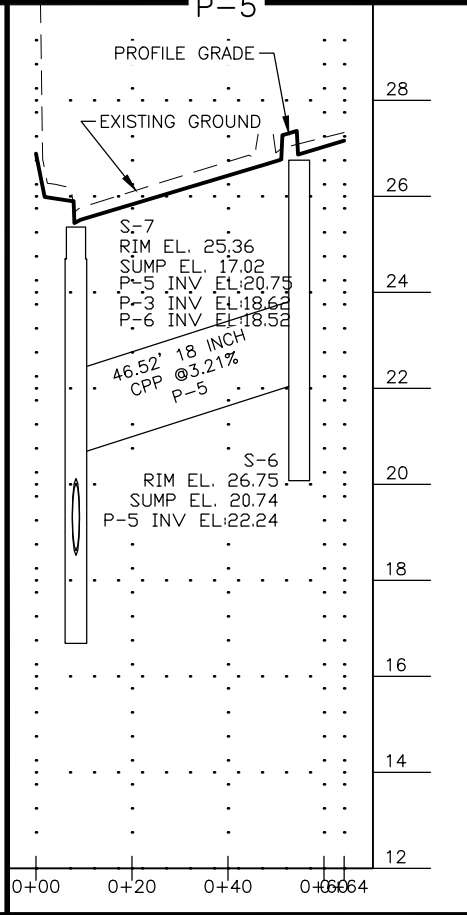
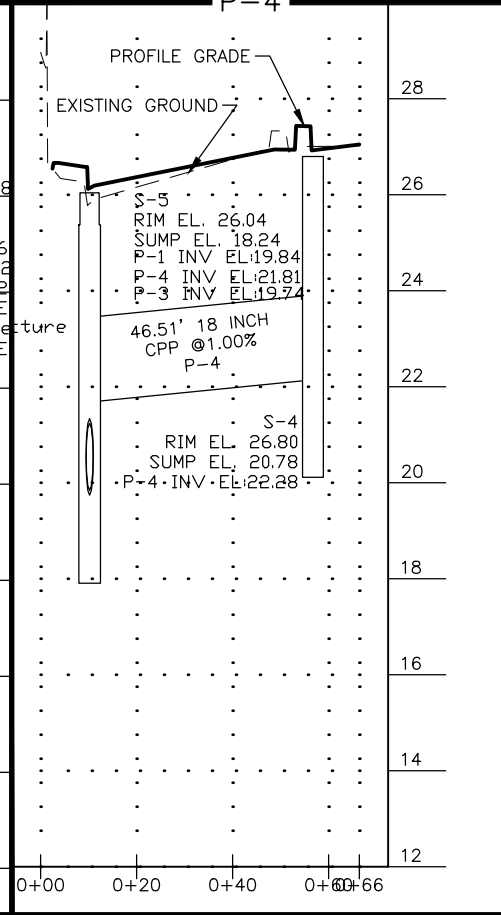
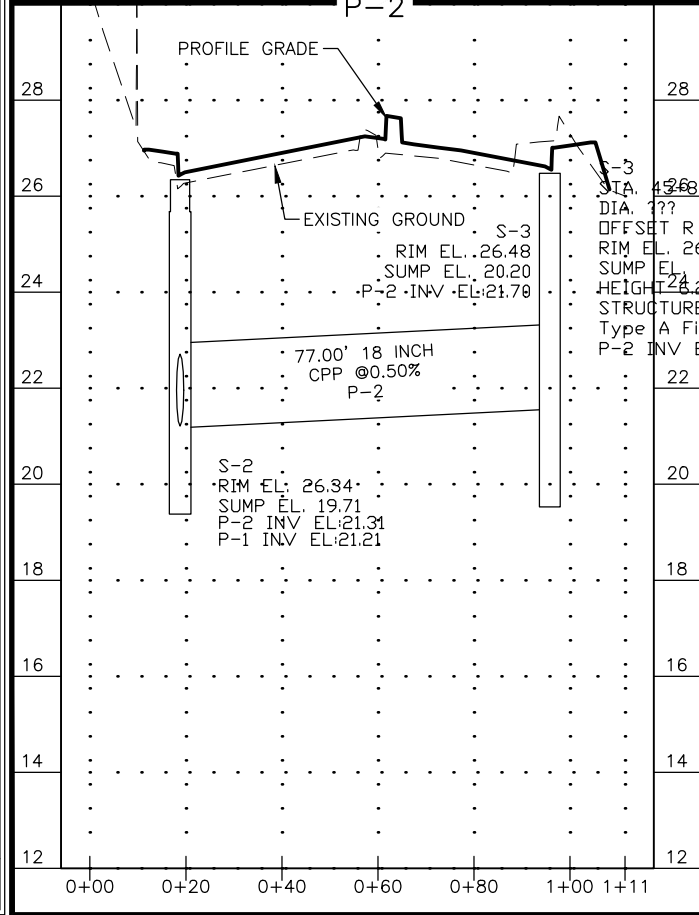
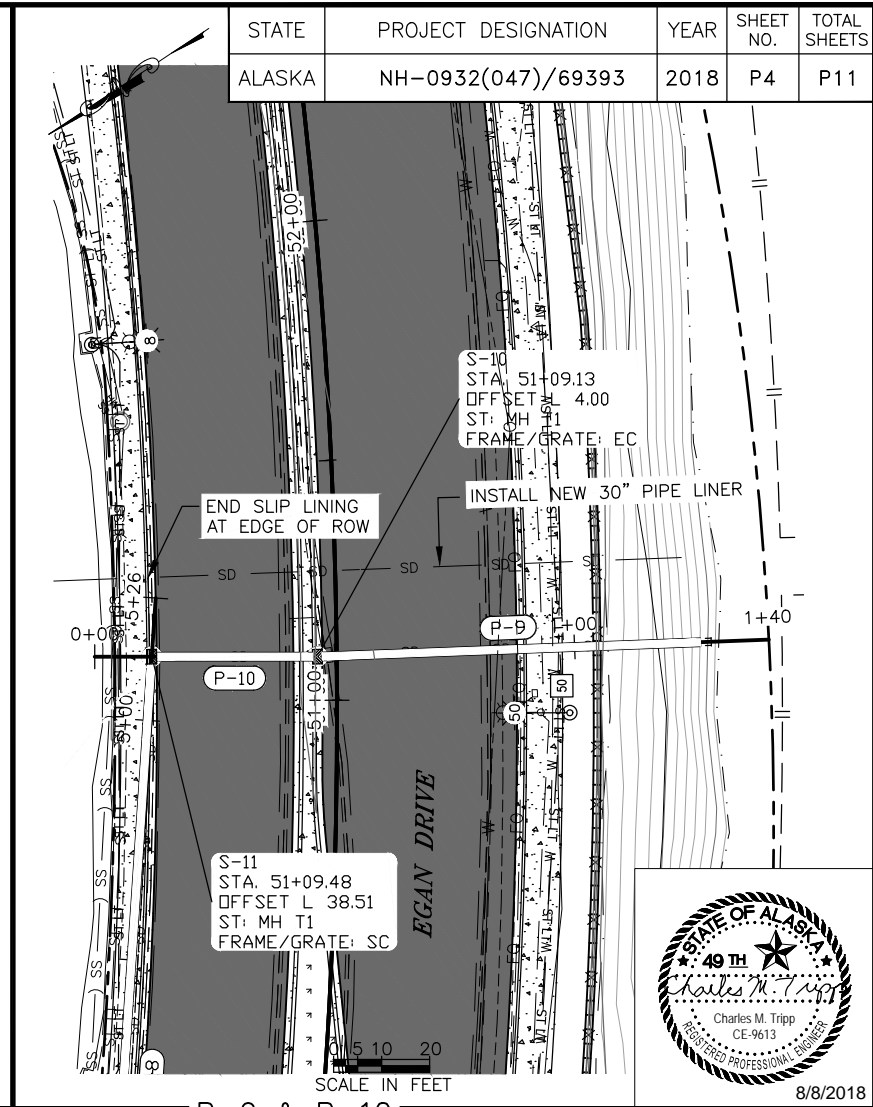
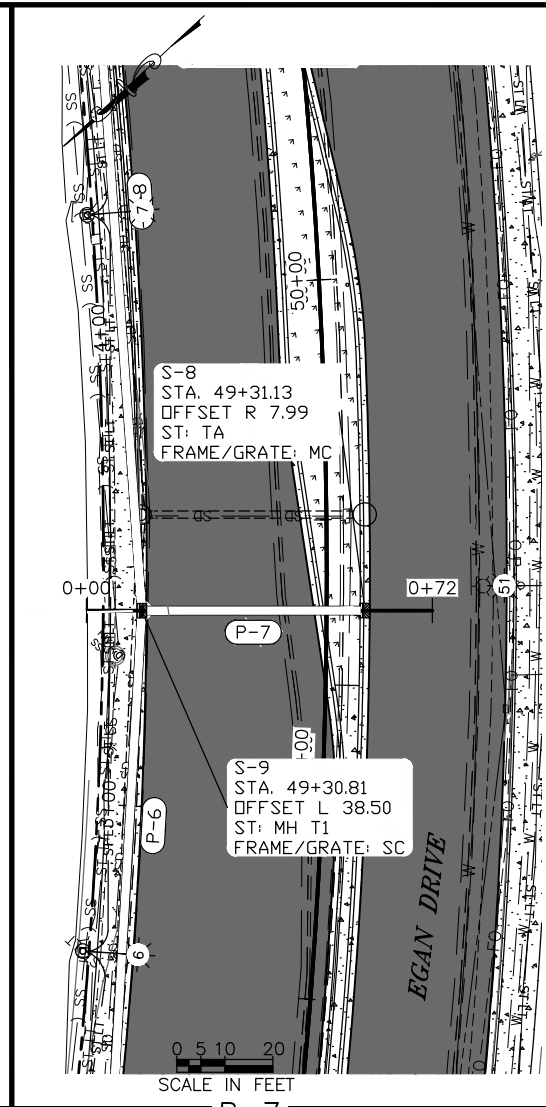
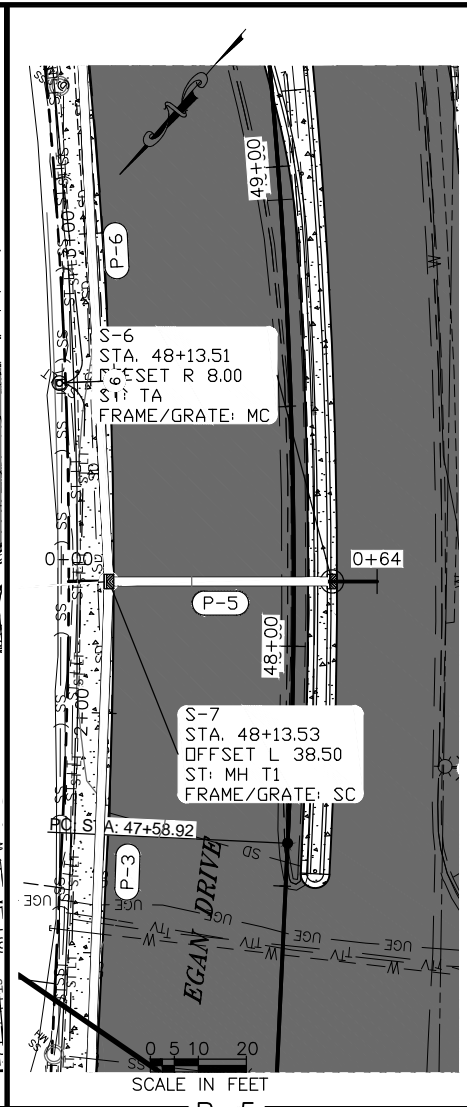
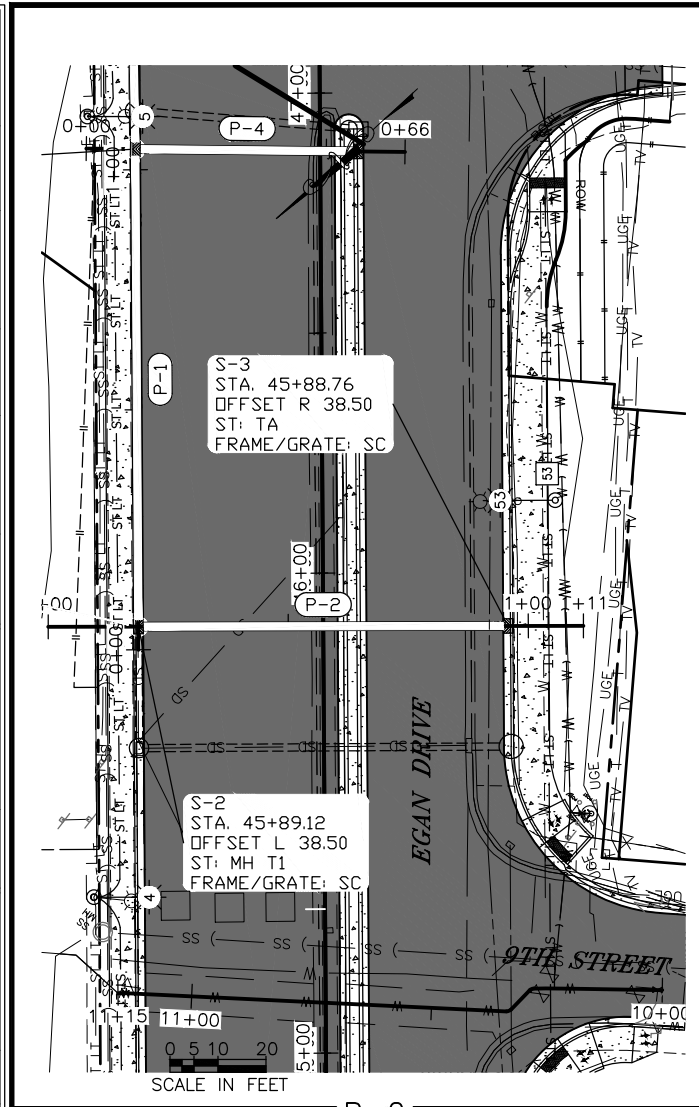
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 FILE Q:\nu\69393\PlanSet\69393_P1-PX-Drainage_Details.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 DESIGNED NG, DP, TF
 CHECKED BP, CT
 DRAFTED NG, RG, TF
 CERTIFICATE OF AUTH #:
 DATE 8/9/2018 8:39 LAYOUT P3
 PROJECT NH-0932(047)/69393

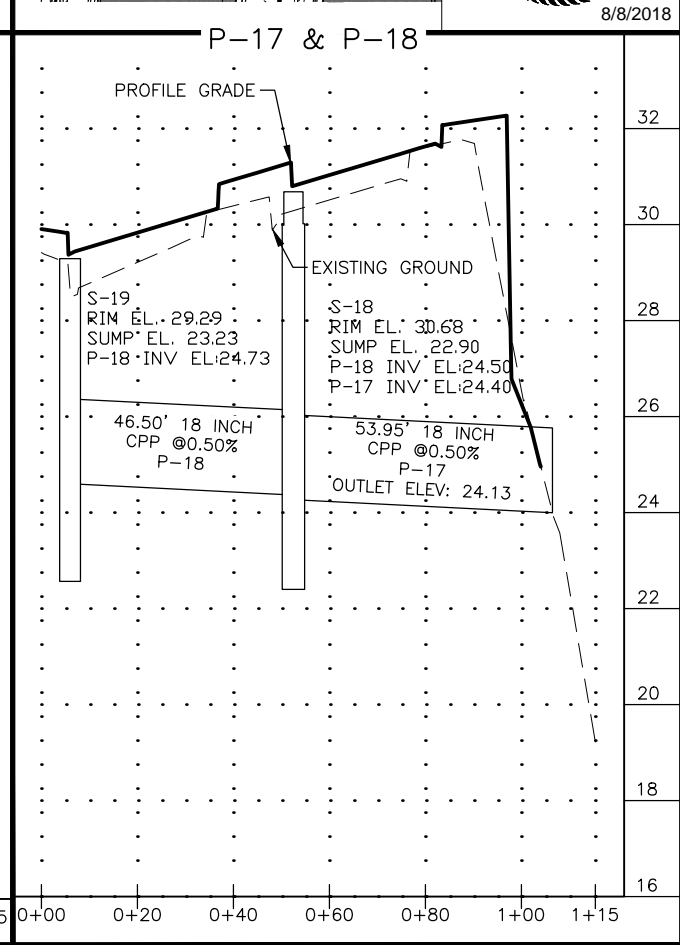
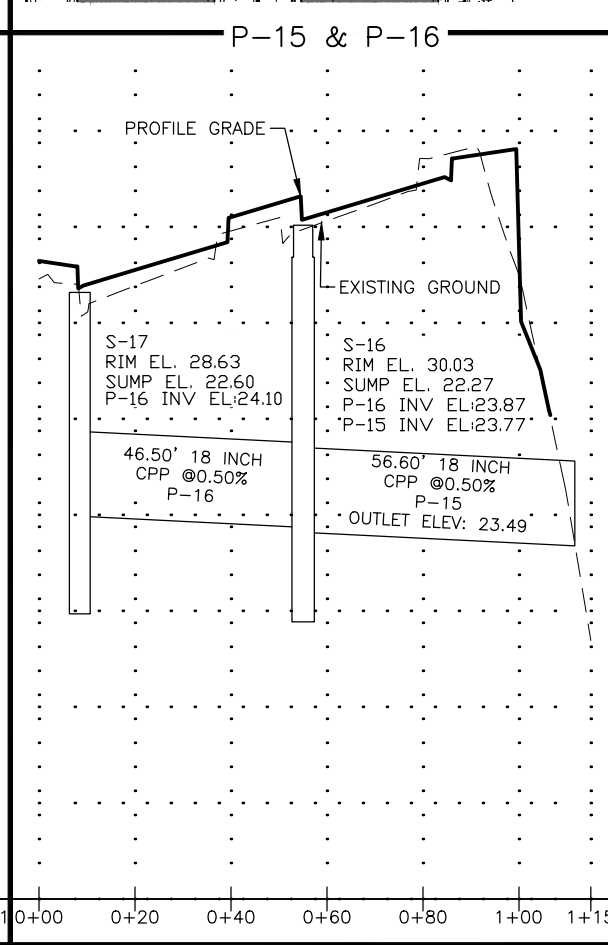
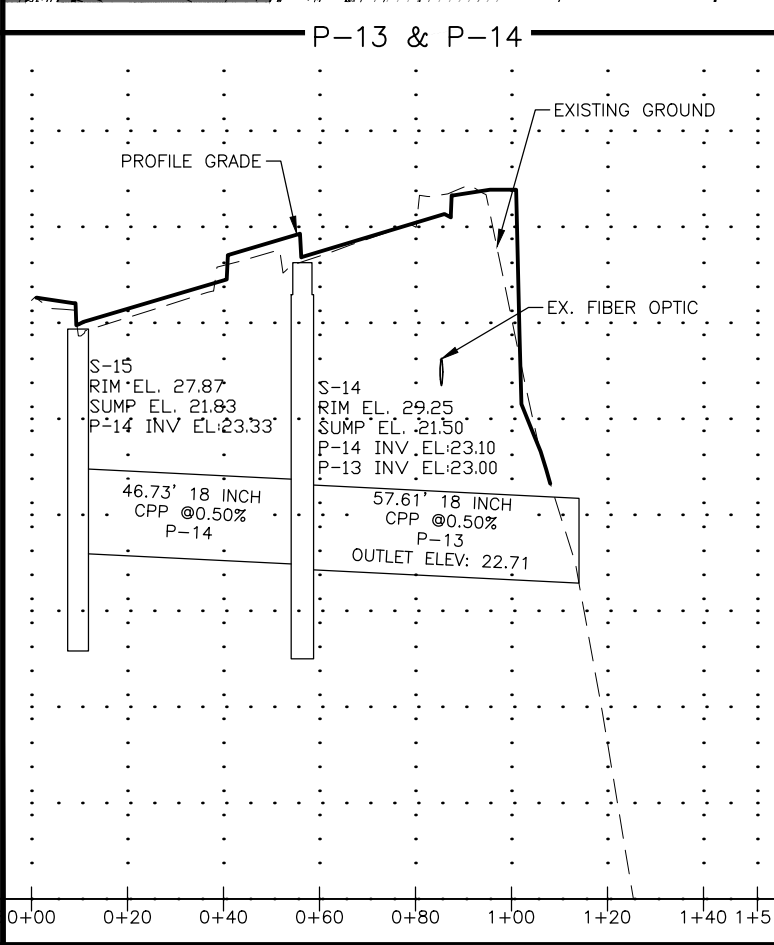
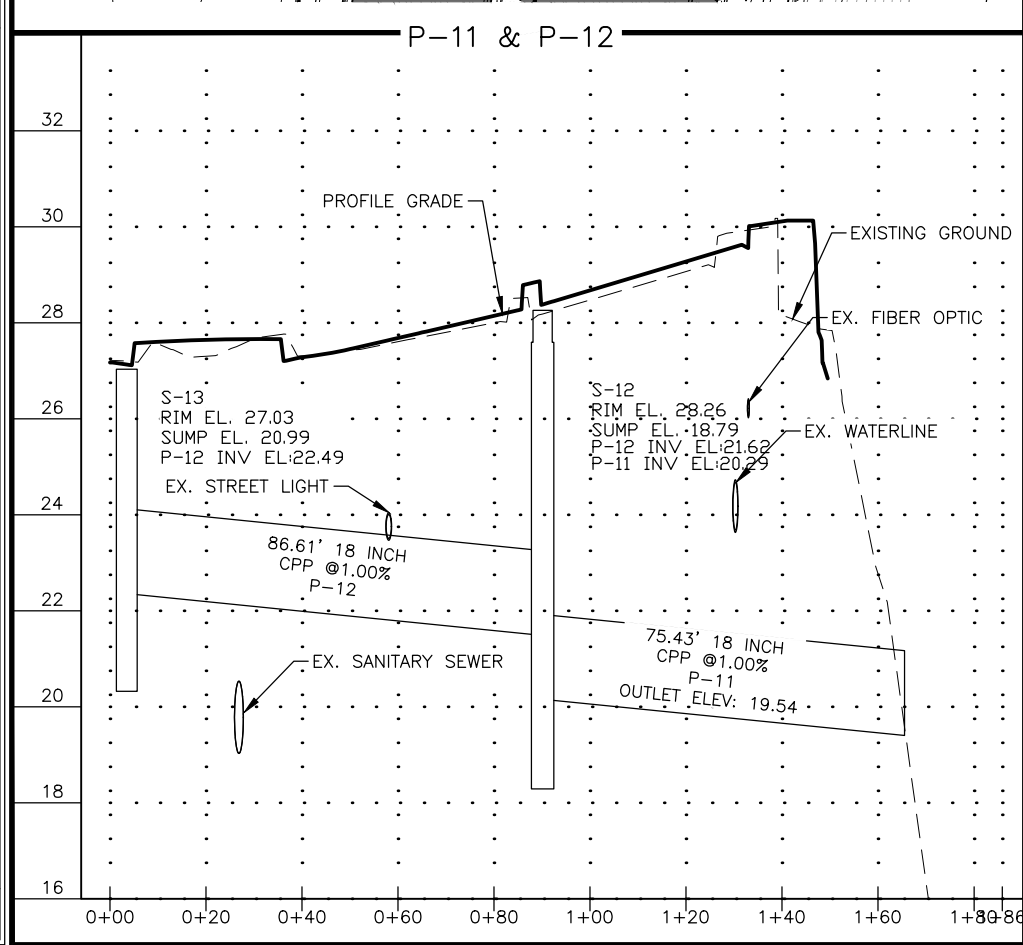
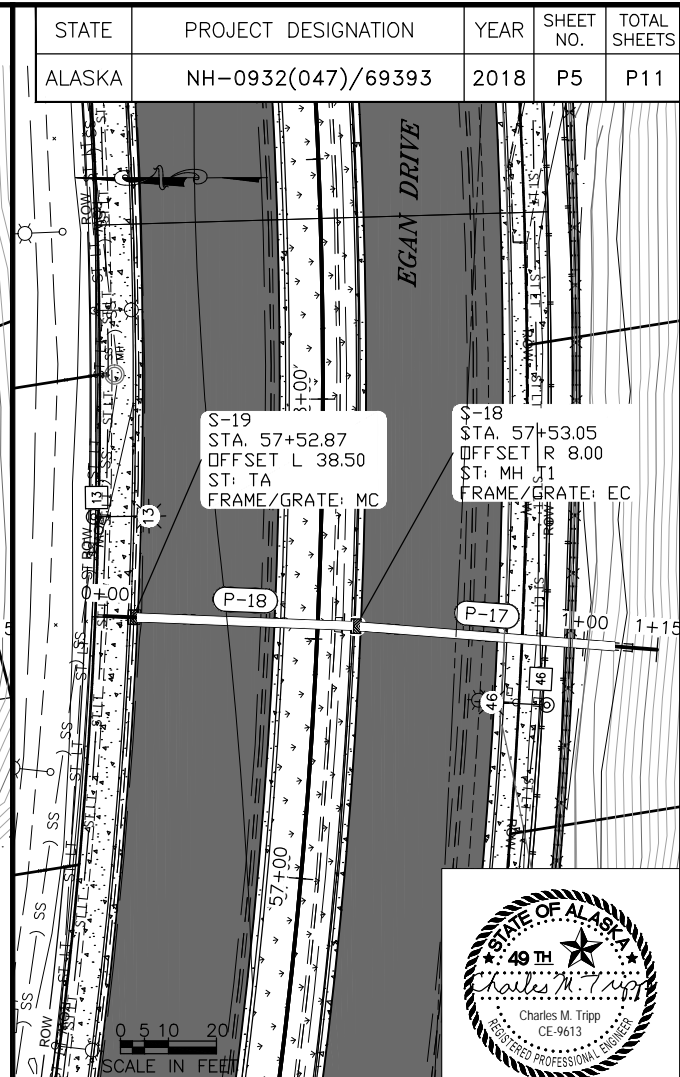
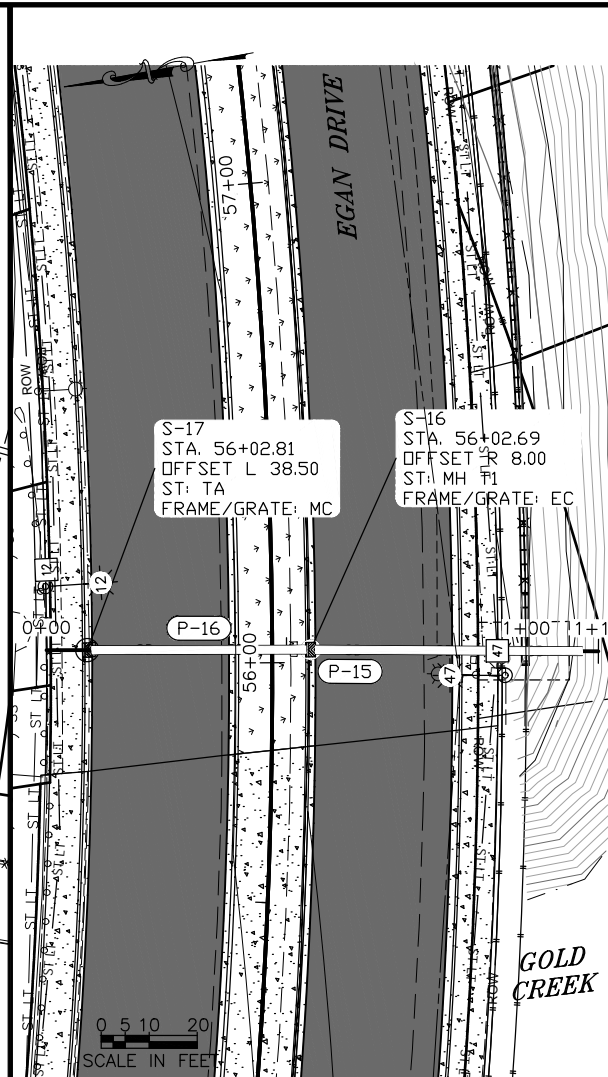
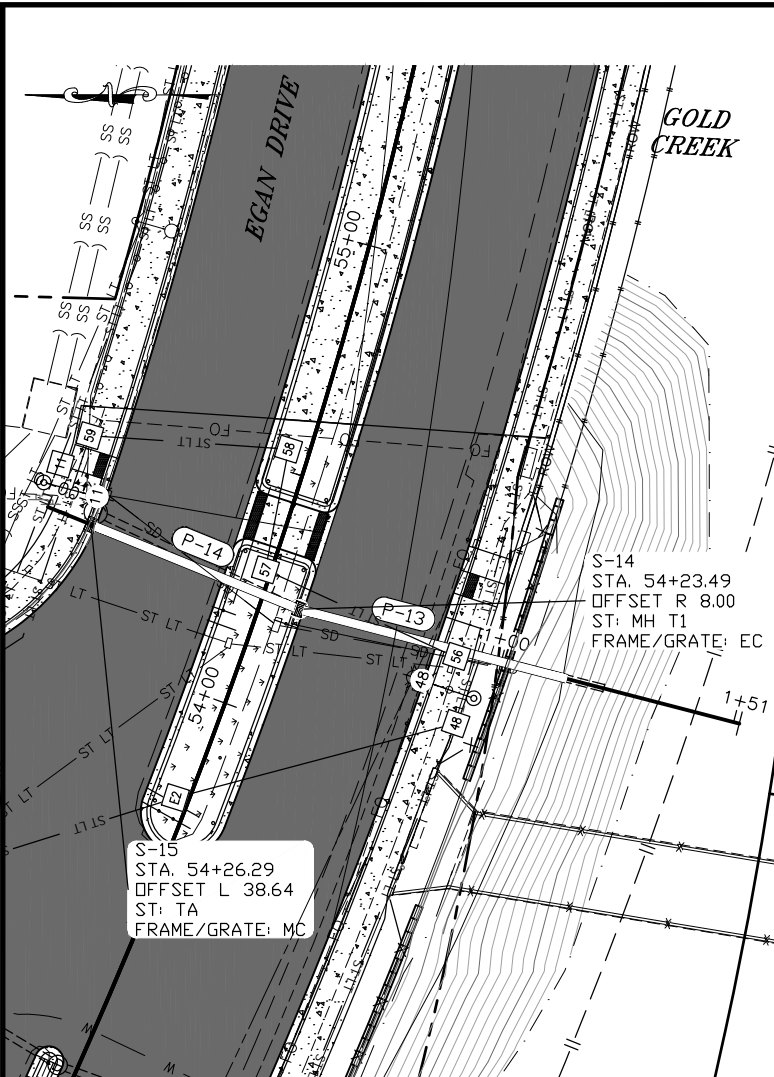
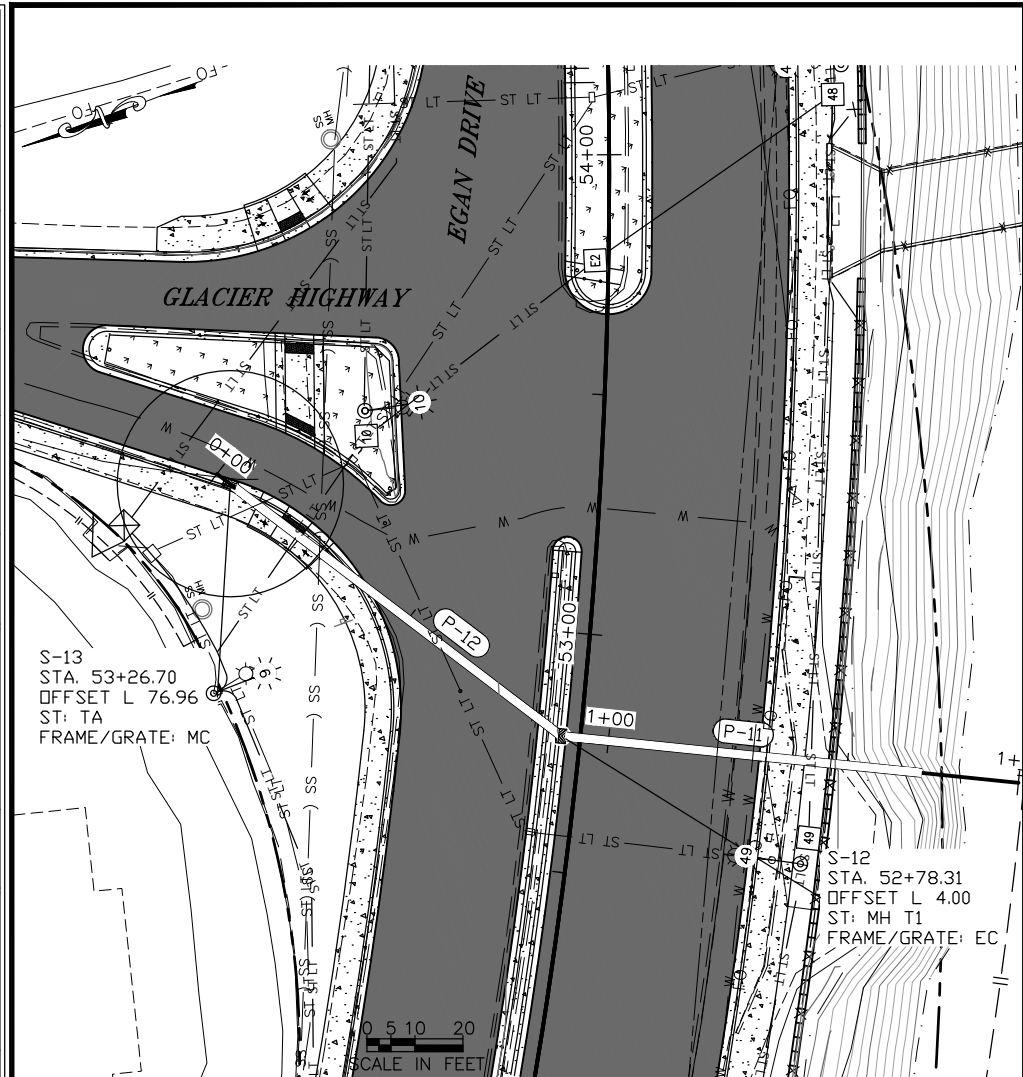
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	P3	P11



P-1, P-3, P-6, & P-8

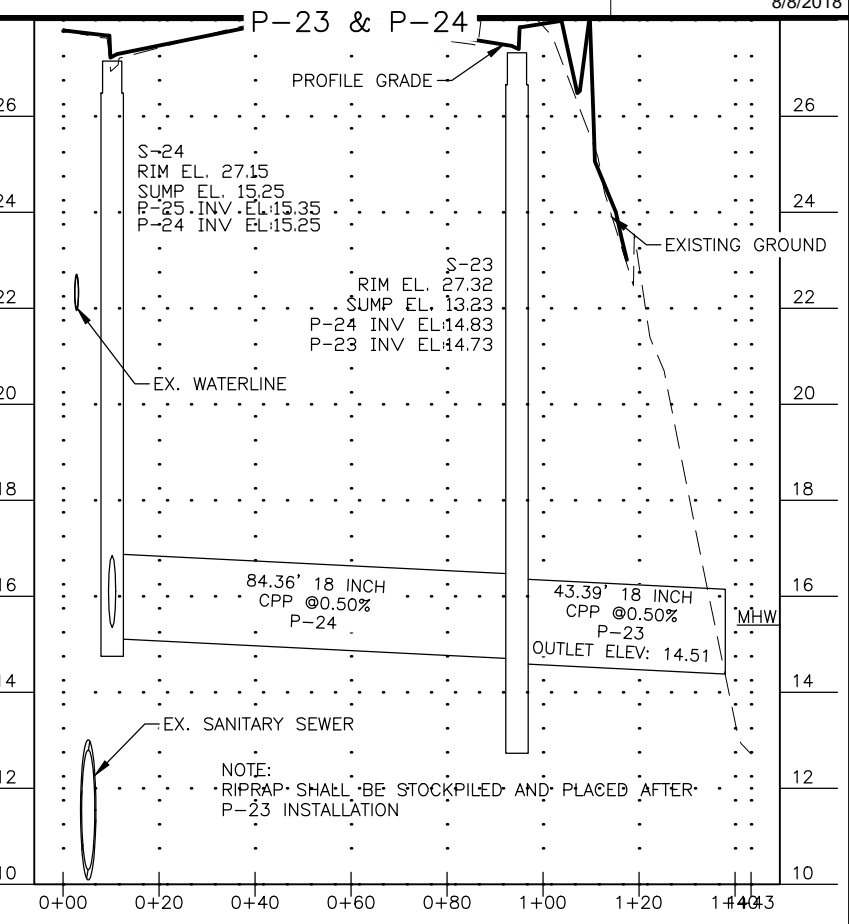
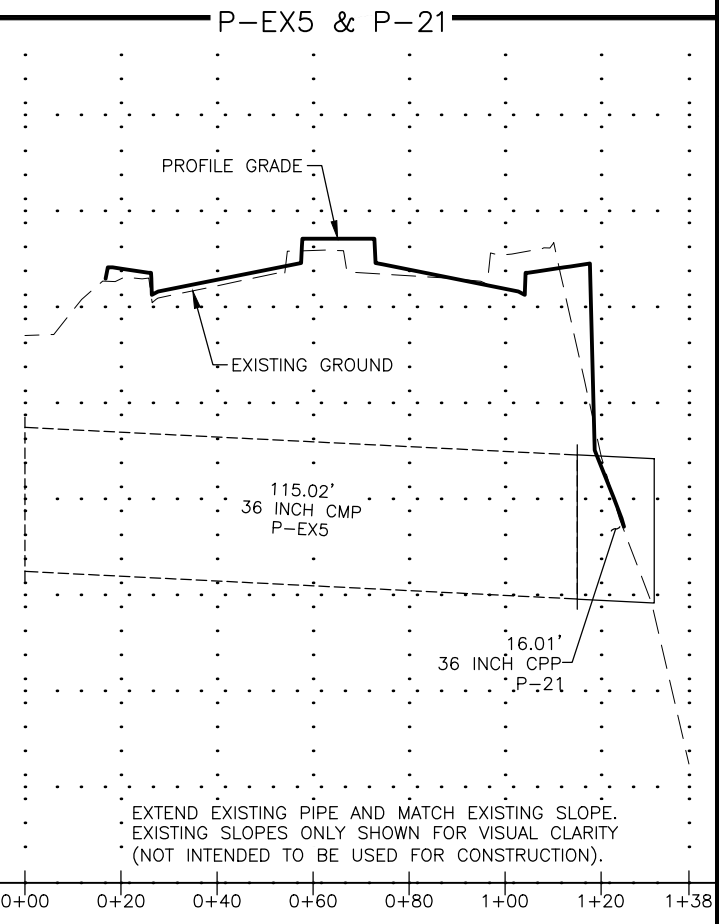
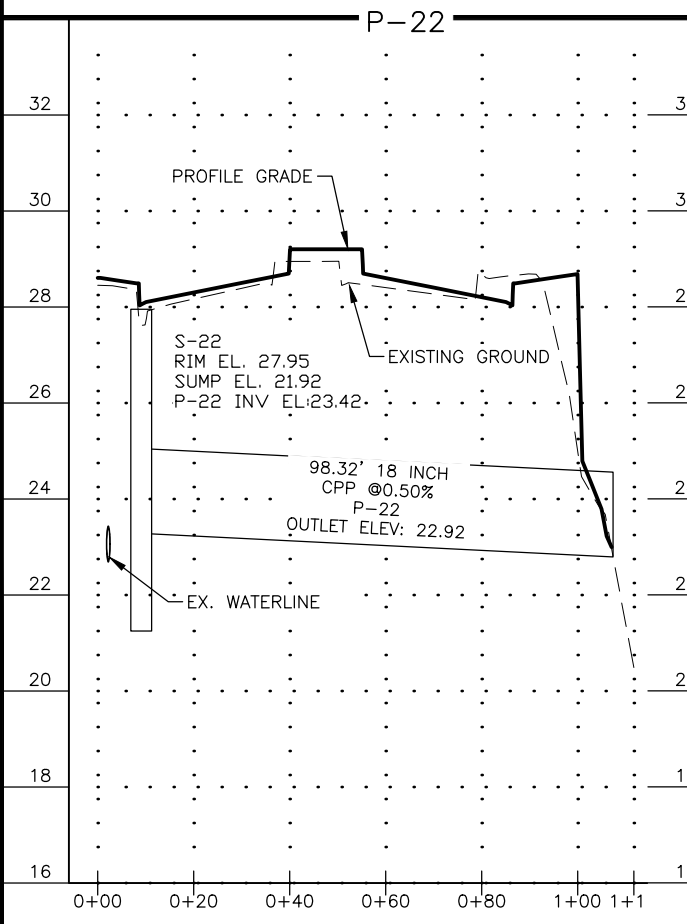
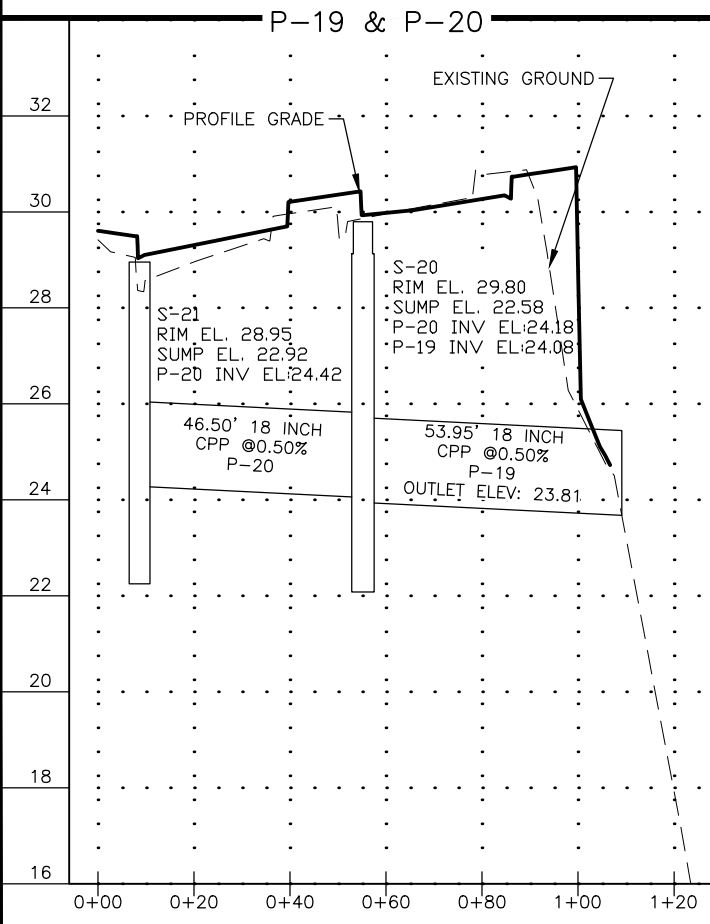
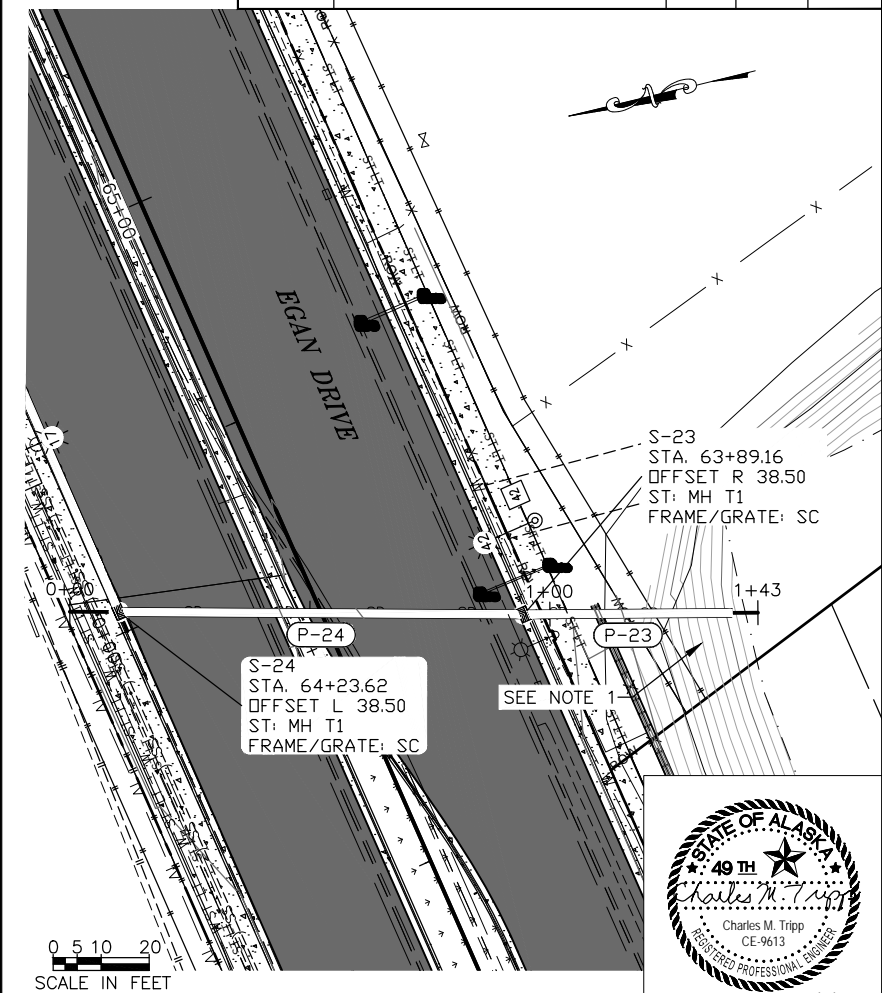
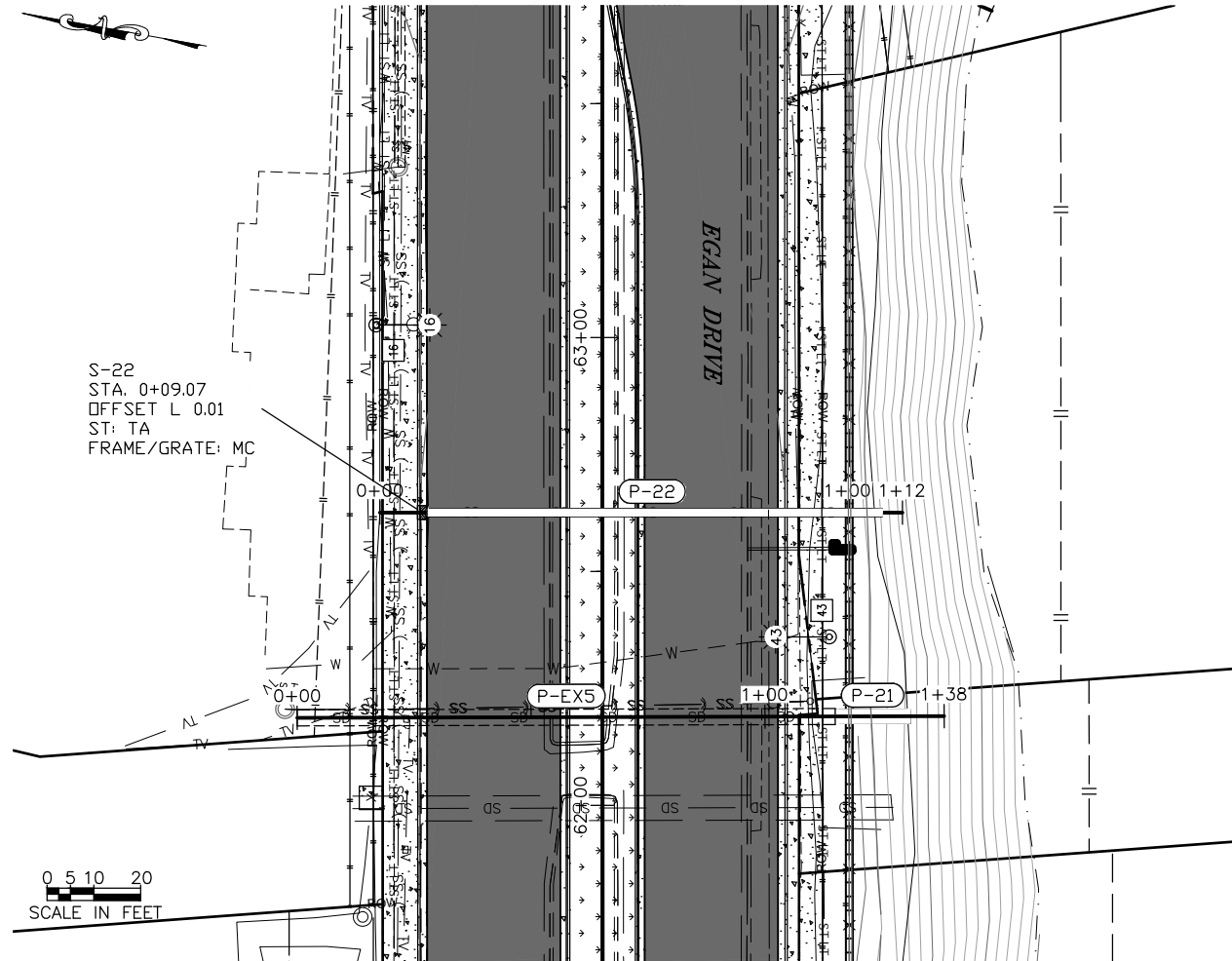
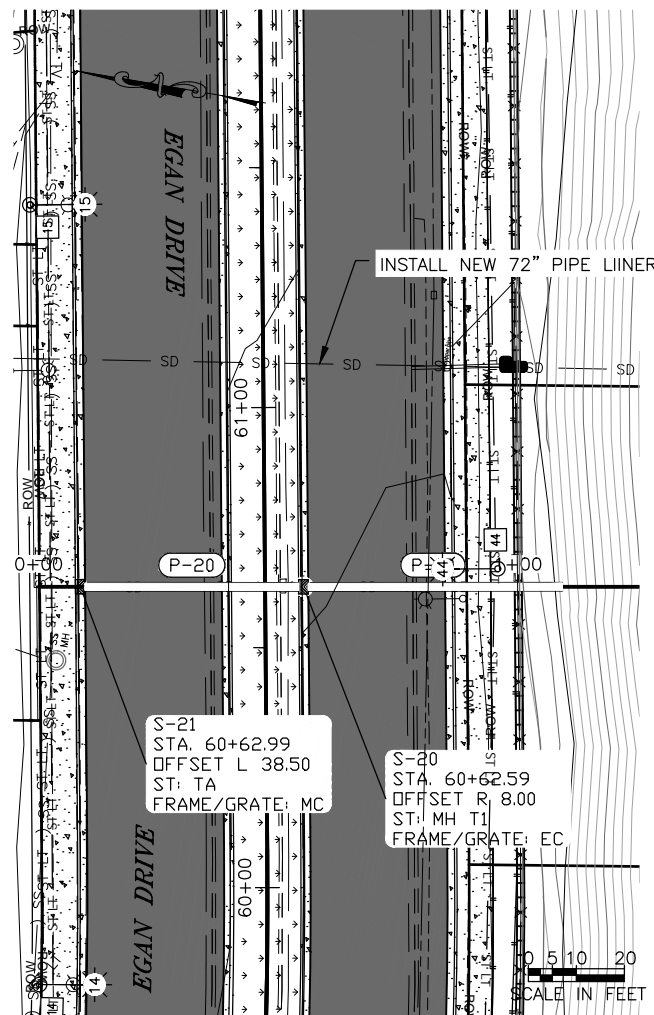






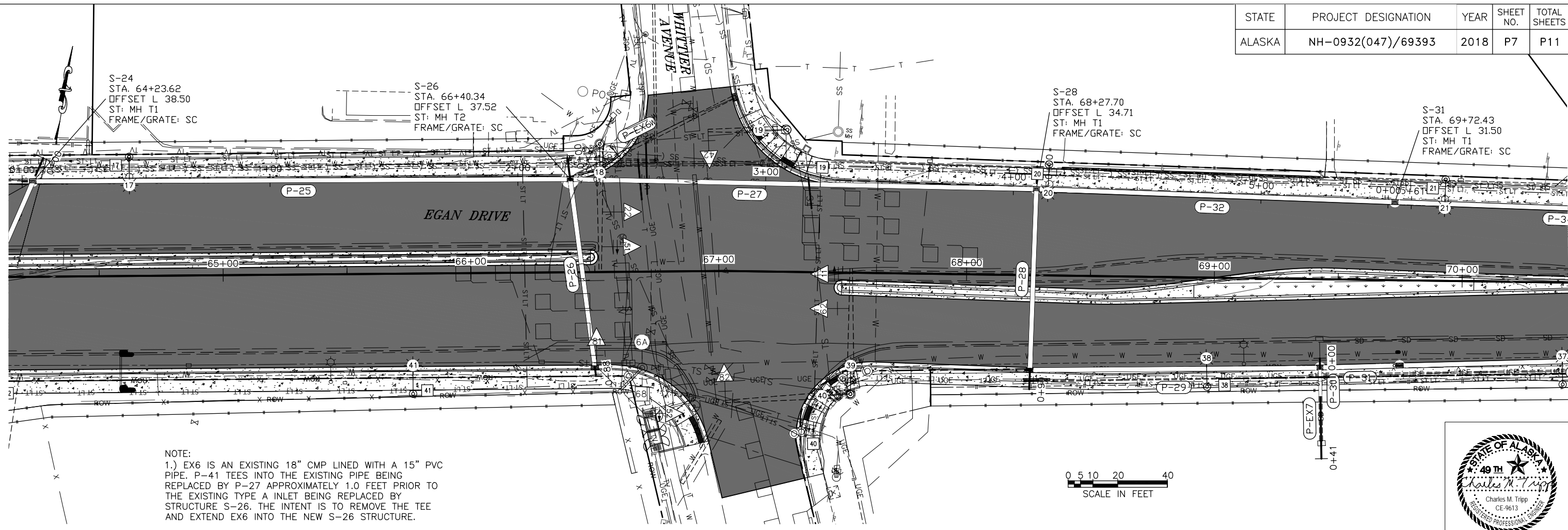
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 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 8/9/2018 8:39 LAYOUT P6
 PHONE (907) 465-1763 DESIGNED NG,DP,TF
 CHECKED BP,CT DRAFTED NG,RG,TF
 CERTIFICATE OF AUTH #:
 NG,RG,TF

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	P6	P11

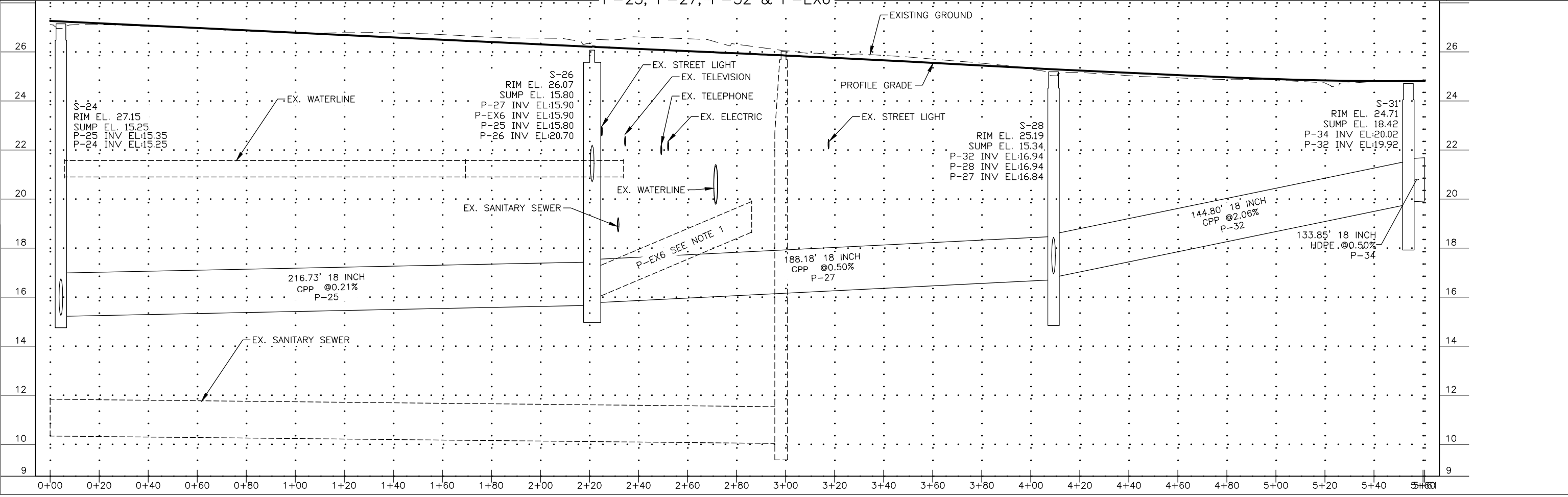


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	P7	P11

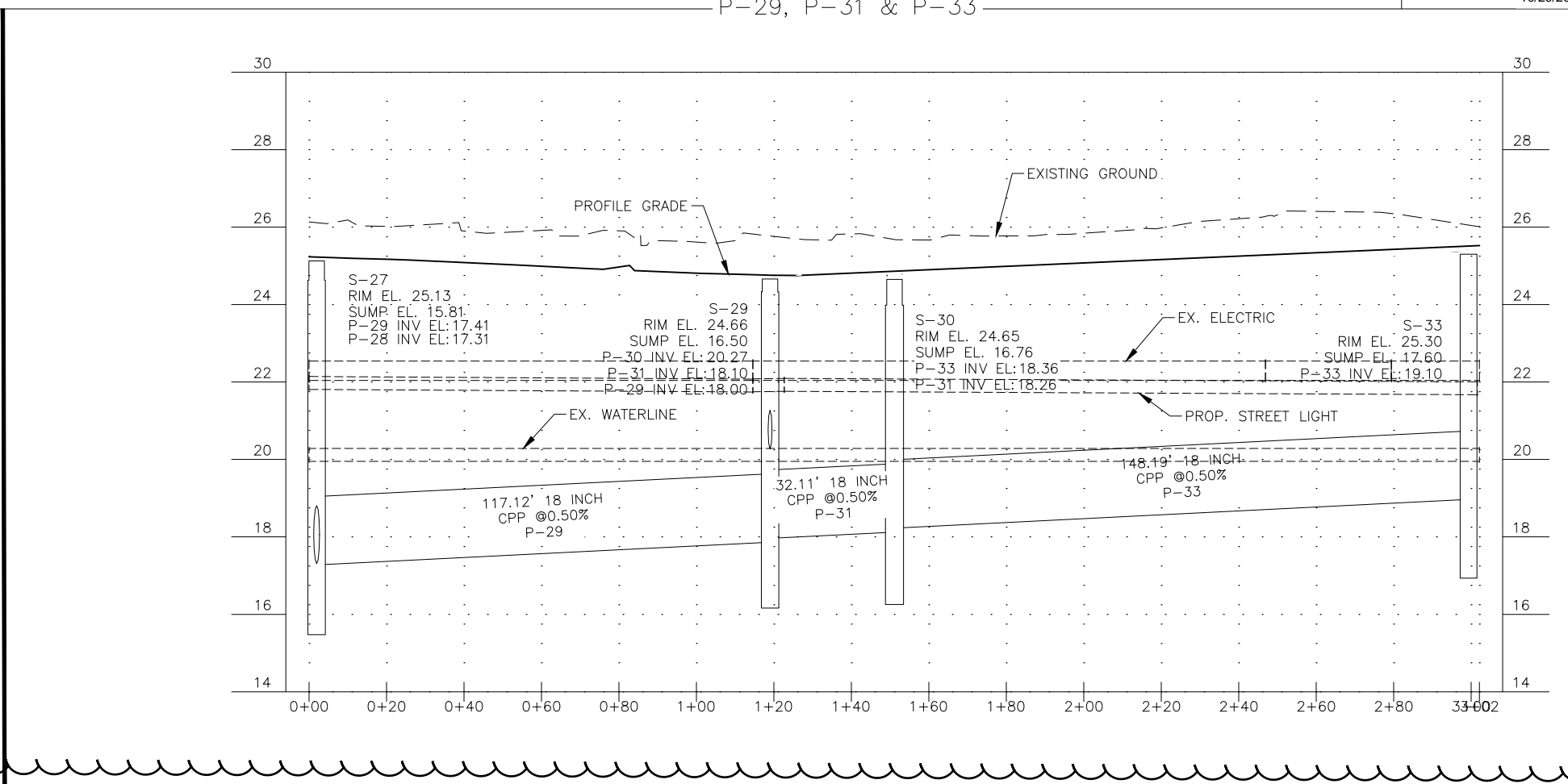
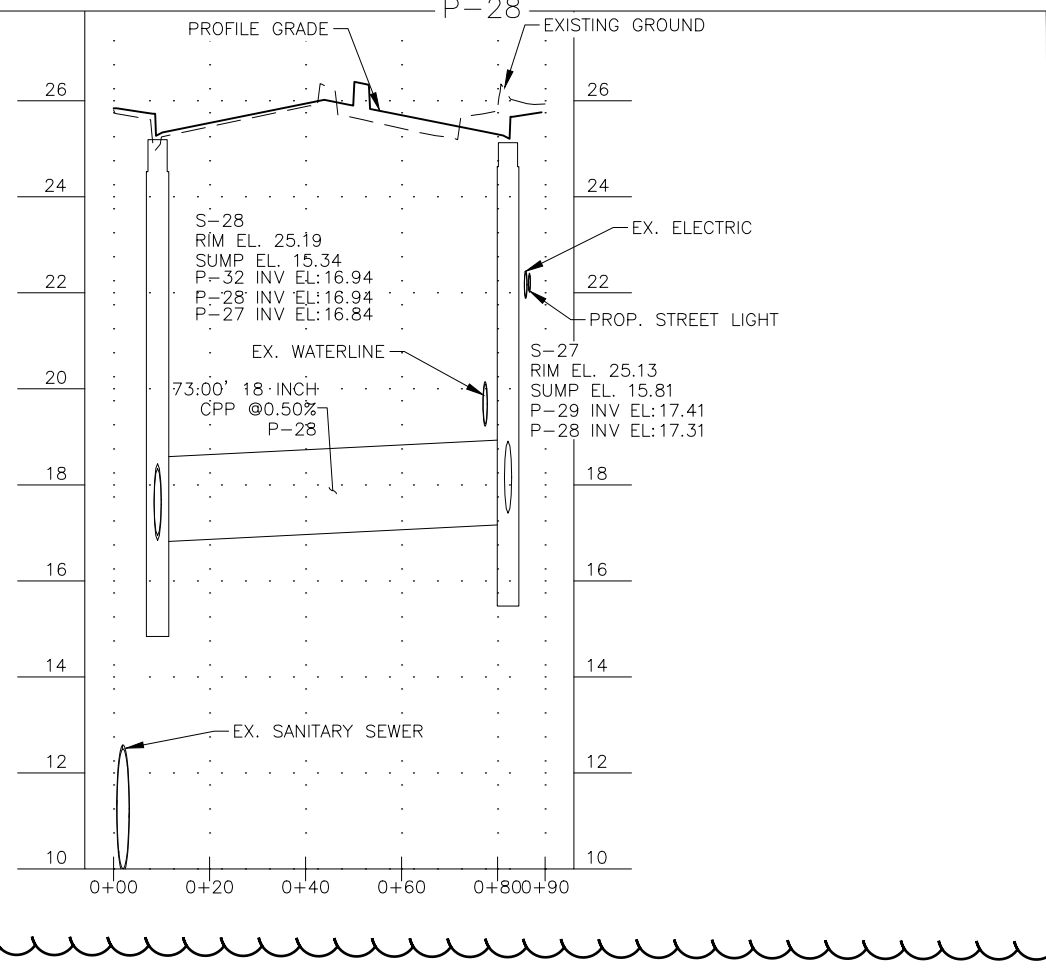
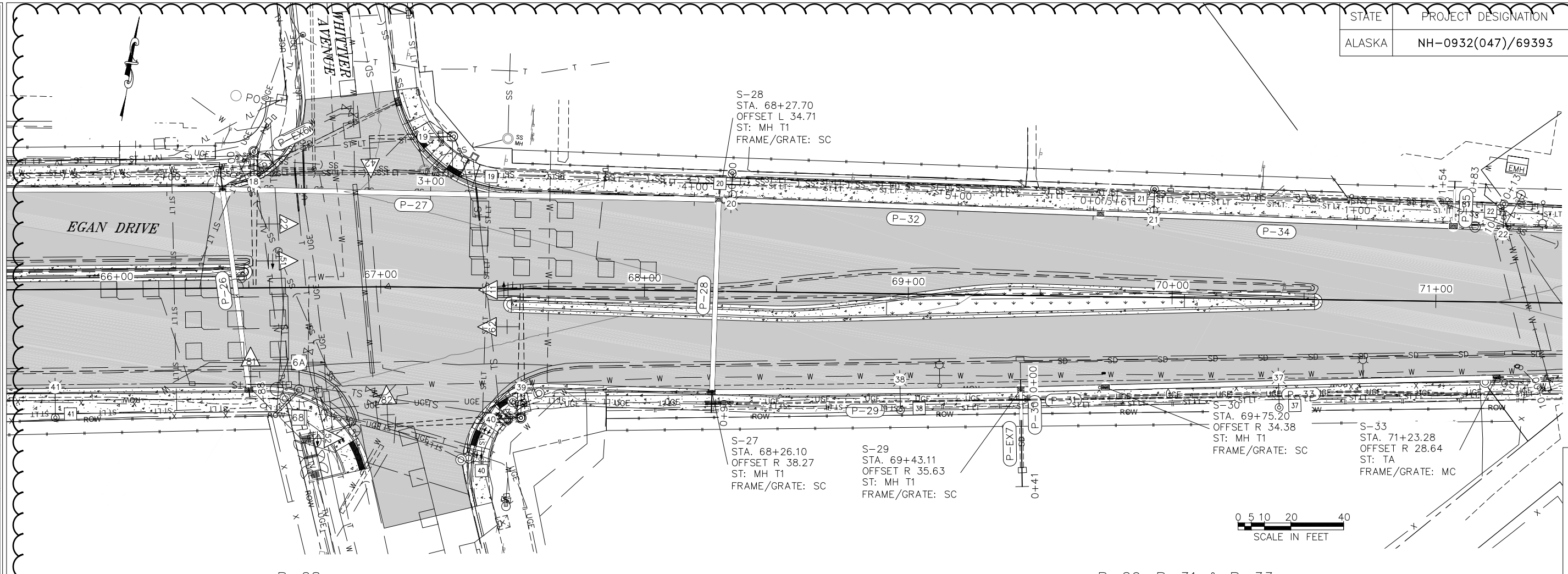
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 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 8/9/2018 8:39 LAYOUT P7
 PHONE (907) 465-1763 DESIGNED BP
 CHECKED CT
 DRAFTED JT
 CERTIFICATE OF AUTH #:
 8/9/2018 8:39 LAYOUT P7

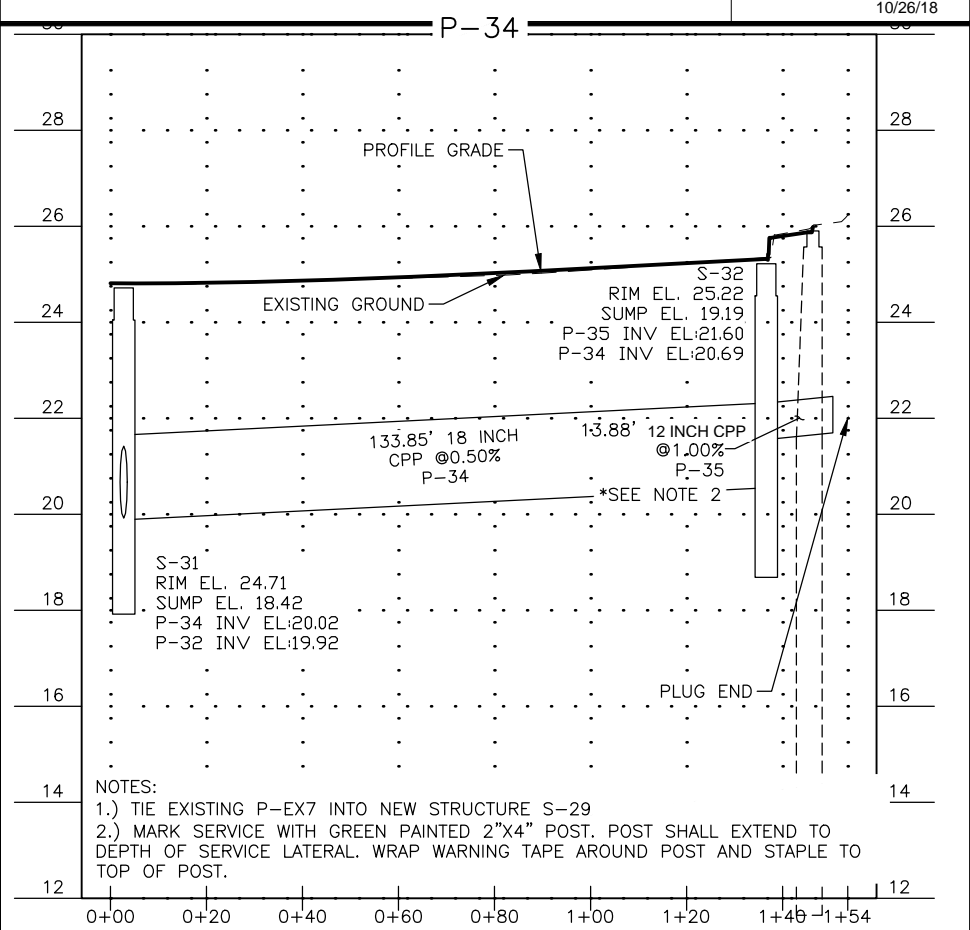
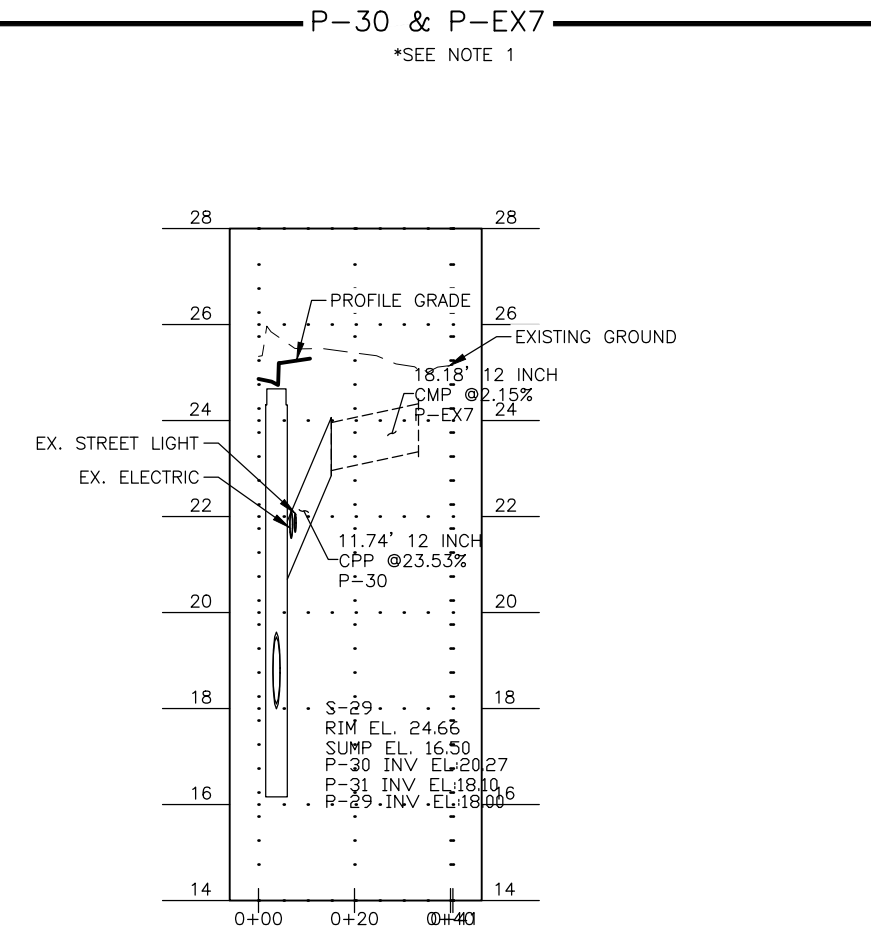
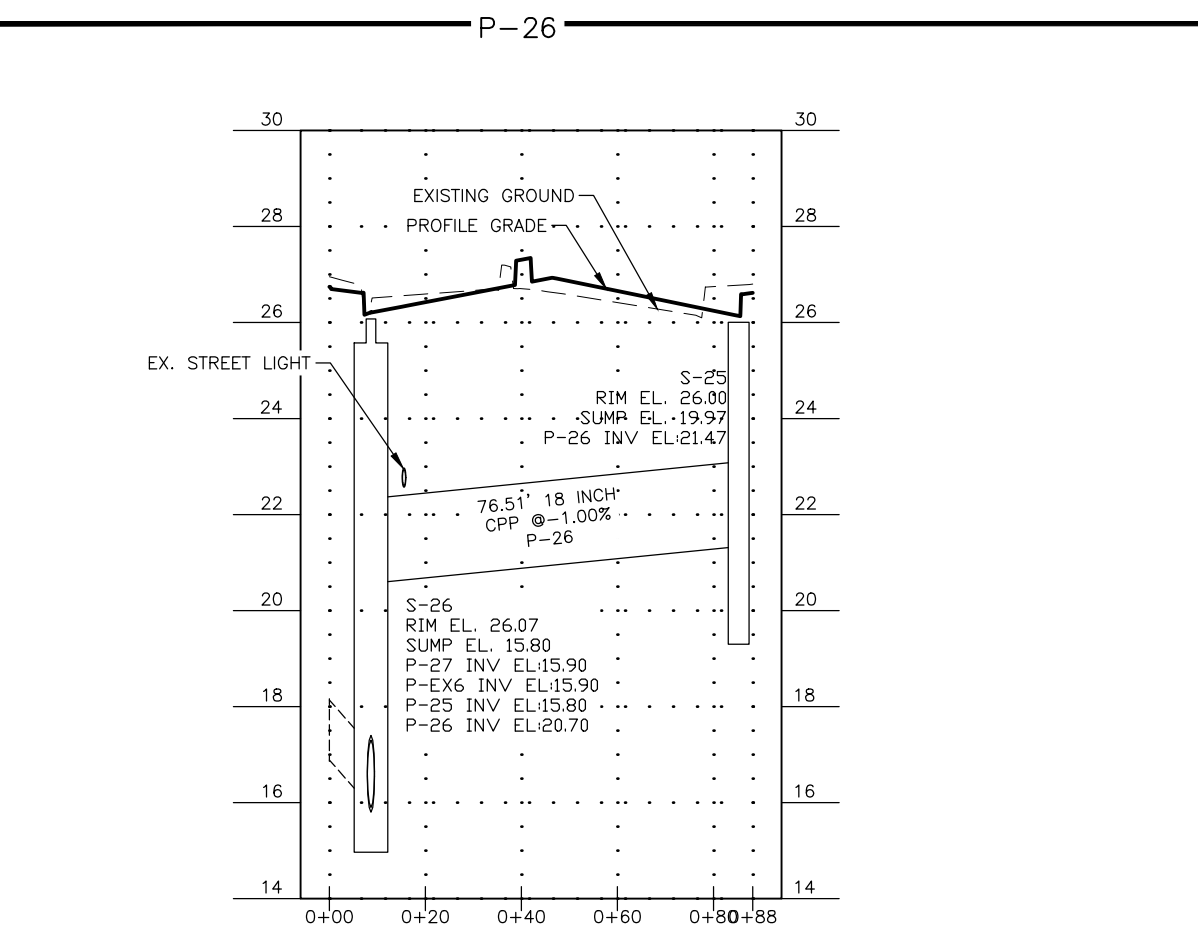
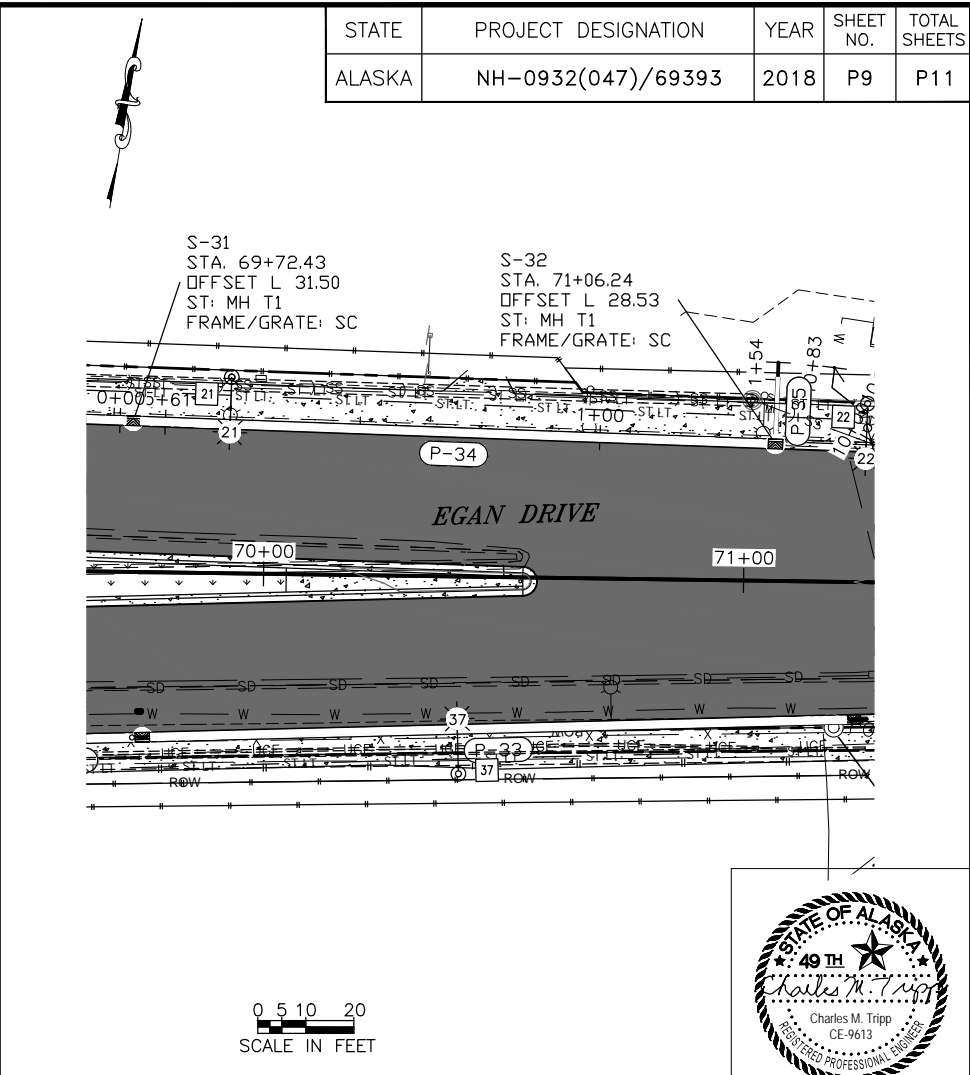
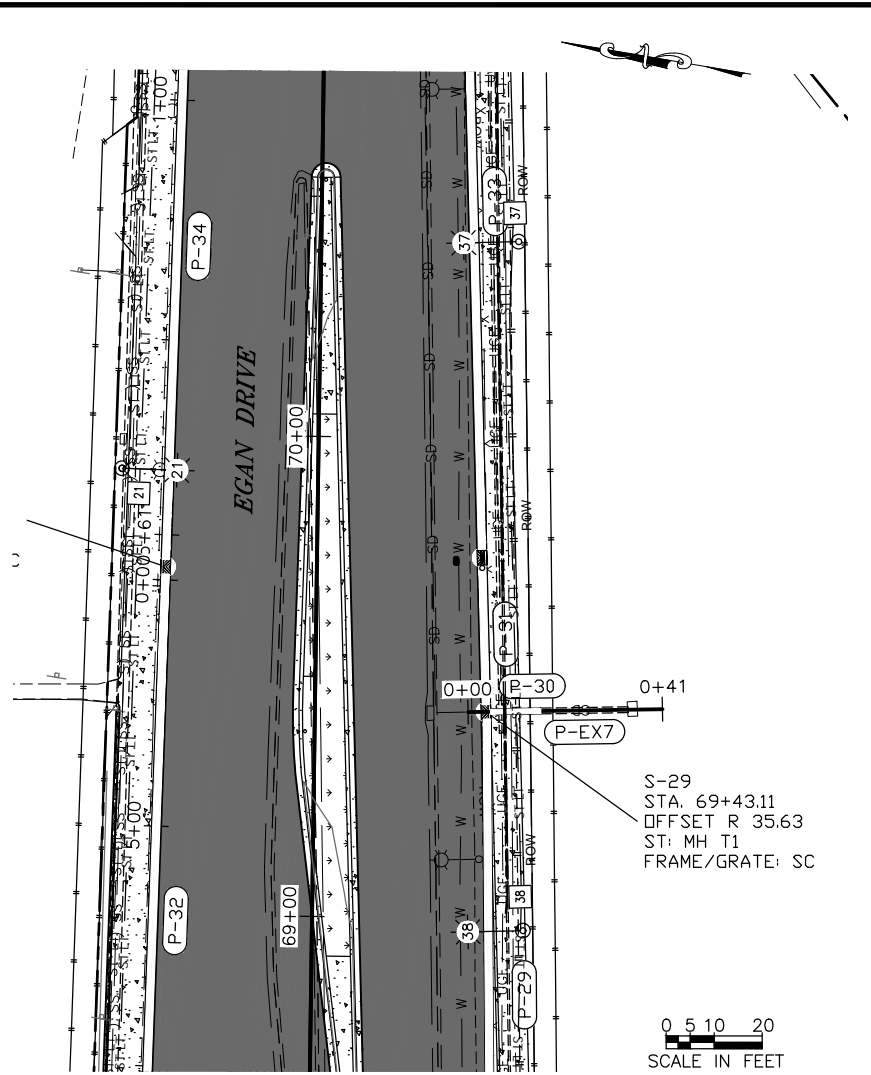
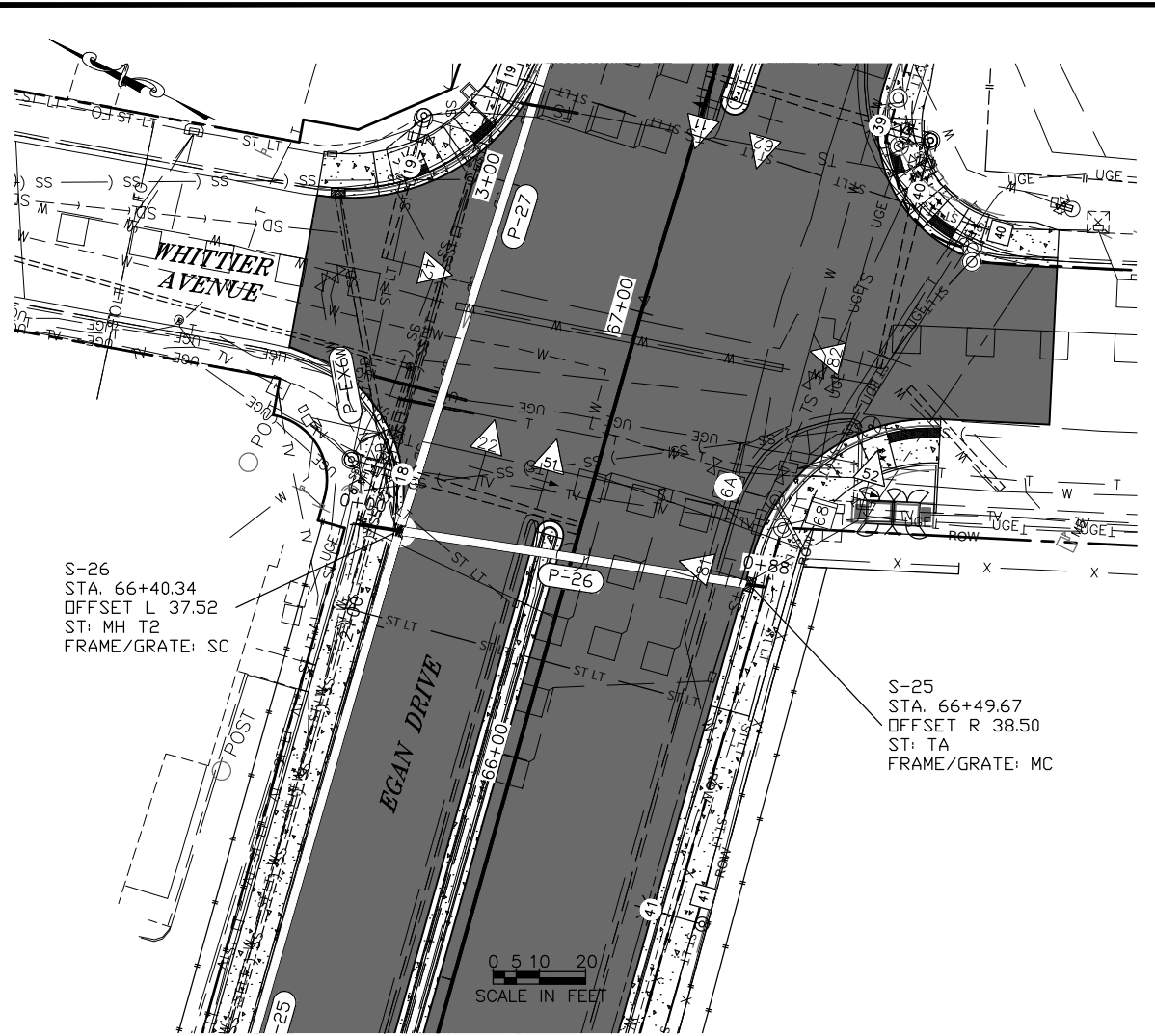


P-25, P-27, P-32 & P-EX6



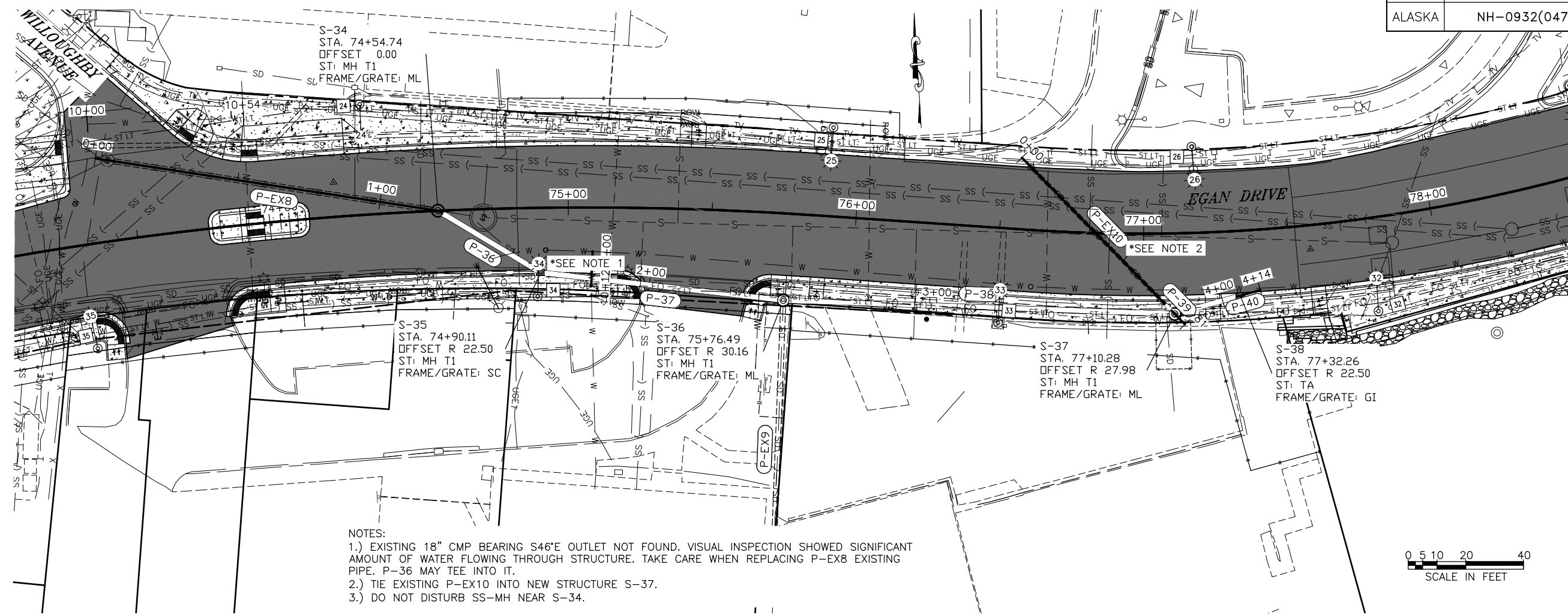
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 DATE 10/25/2018 8:54 LAYOUT P8
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763 DESIGNED BP
 CHECKED CT
 DRAFTED JT
 CERTIFICATE OF AUTH #:
 STATE ALASKA PROJECT DESIGNATION NH-0932(047)/69393 YEAR 2018 SHEET NO. P8 TOTAL SHEETS P11





FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE Q:\nu\69393\Plan\69393_P1-PX-Drainage_Details.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 PHONE (907) 465-1763
 DESIGNED NG, DP, TF
 CHECKED BP, CT
 DRAFTED NGR, TF
 CERTIFICATE OF AUTH #:
 DATE 8/9/2018 8:39 LAYOUT P10

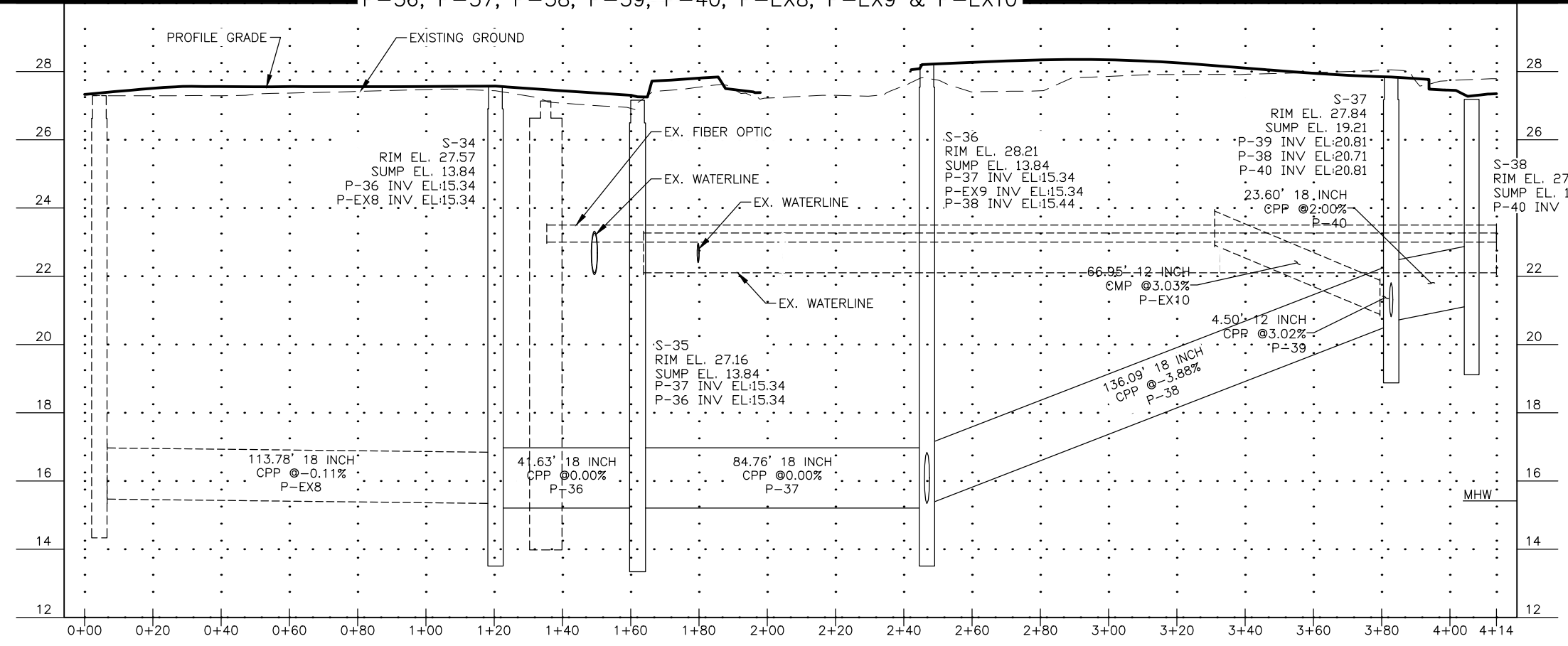
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	P10	P11



NOTES:
 1.) EXISTING 18" CMP BEARING S46°E OUTLET NOT FOUND. VISUAL INSPECTION SHOWED SIGNIFICANT AMOUNT OF WATER FLOWING THROUGH STRUCTURE. TAKE CARE WHEN REPLACING P-EX8 EXISTING PIPE. P-36 MAY TEE INTO IT.
 2.) TIE EXISTING P-EX10 INTO NEW STRUCTURE S-37.
 3.) DO NOT DISTURB SS-MH NEAR S-34.



P-36, P-37, P-38, P-39, P-40, P-EX8, P-EX9 & P-EX10



FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
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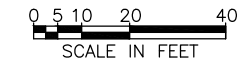
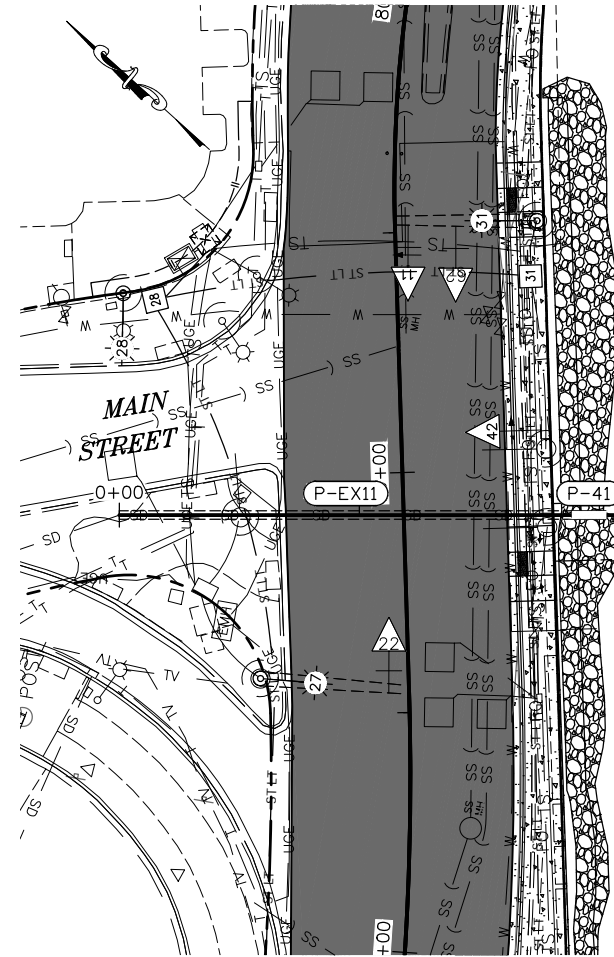
ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 8/9/2018 8:39 LAYOUT P11

PHONE (907) 465-1763
 DESIGNED NG,DP,TF

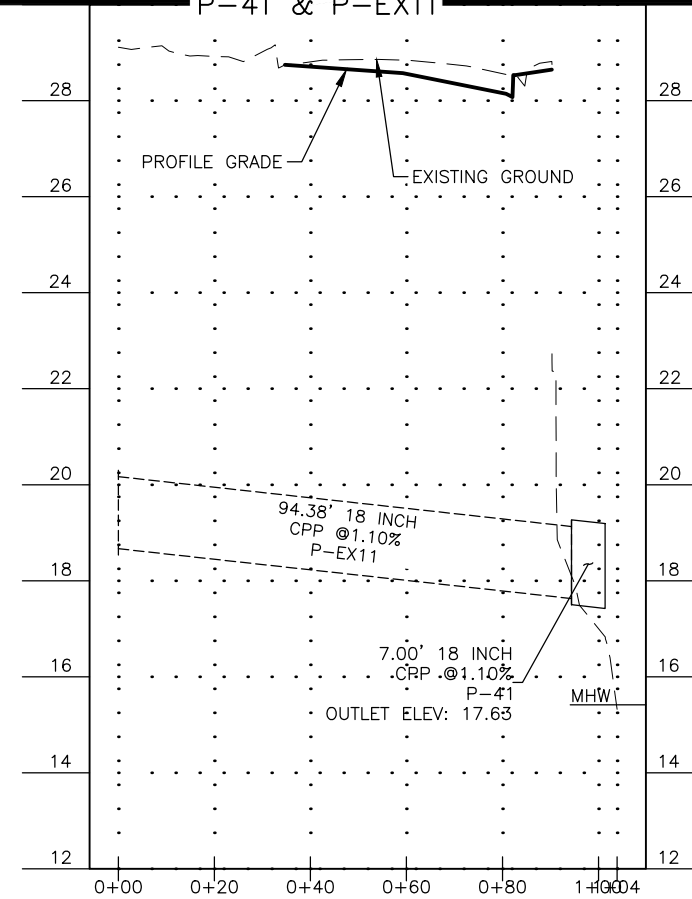
CERTIFICATE OF AUTH #:
 CHECKED BP,CT

DRAFTED NG,RC,TF

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	P11	P11



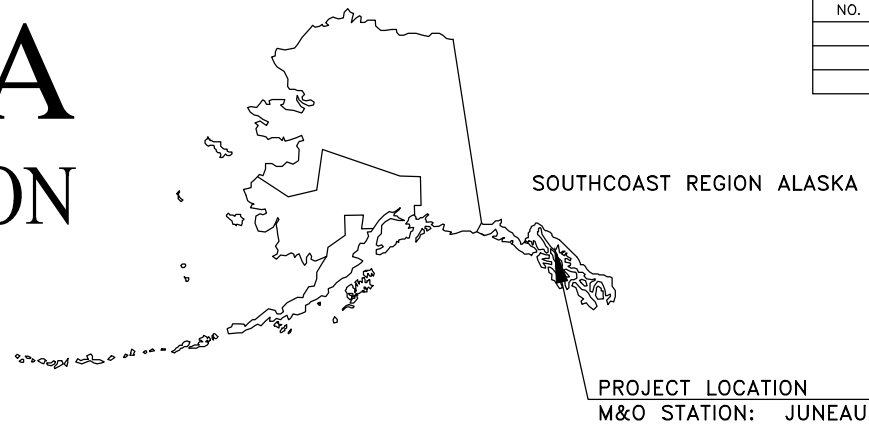
P-41 & P-EX11



STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES

NO.	DATE	REVISIONS	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	Q1	Q9

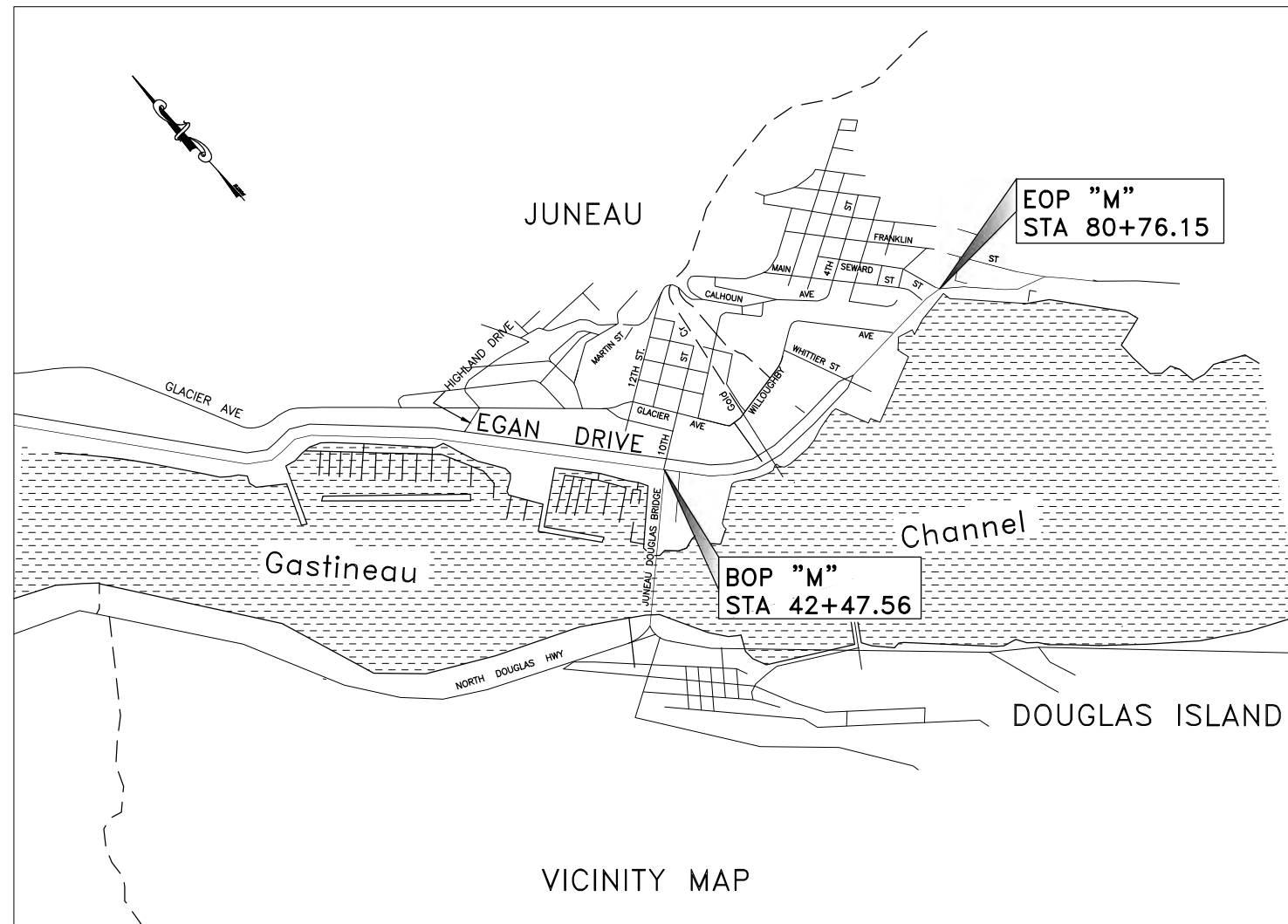


PROPOSED HIGHWAY PROJECT

JNU EGAN DRIVE IMPROVEMENTS MAIN STREET TO 10TH STREET PROJECT NO. NH-0932(047)/69393

EROSION SEDIMENT CONTROL PLAN

PROJECT INFORMATION TABLE	
PROJECT AREA (ACRE)	9.2
DISTURBED AREA (ACRE)	8.7
PRE-CONSTRUCTION IMPERVIOUS AREA (ACRE)	7.7
POST-CONSTRUCTION IMPERVIOUS AREA (ACRE)	8.1
PRE-CONSTRUCTION RUNOFF COEFFICIENT	0.85
POST-CONSTRUCTION RUNOFF COEFFICIENT	0.85



FILE G:\jnu\69393\PlanSet\69393_01_ESCP.dwg
 DATE 8/9/2018 8:08
 LAYOUT Q1
 DESIGNED
 CHECKED
 DRAFTED

FILE G:\nu\69393\Plmset\69393_01_ESCP.dwg DATE 11/7/2018 8:42 LAYOUT Q2 DESIGNED NG,DP CHECKED CT DRAFTED NG,RG

Q-SHEET NOTES:

- ① INLET PROTECTION
- ② TEMPORARY CHECK DAM
- ③ INVASIVE PLANT AREA - SEE TABLE, SHEET D-1
- ④ PERMANENT SEEDING
- ⑤ OUTLET PROTECTION

LEGEND

- PROFILE FLOW
- SURFACE FLOW
- PROPOSED CULVERT FLOW
- EXISTING CULVERT FLOW
- HTL - HIGH TIDE LINE (20.8 FT)
- FISH STREAM
- RIPRAP
- SLOPE/SPILLWAY PROTECTION
- INVASIVE SPECIES

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	Q2	Q9

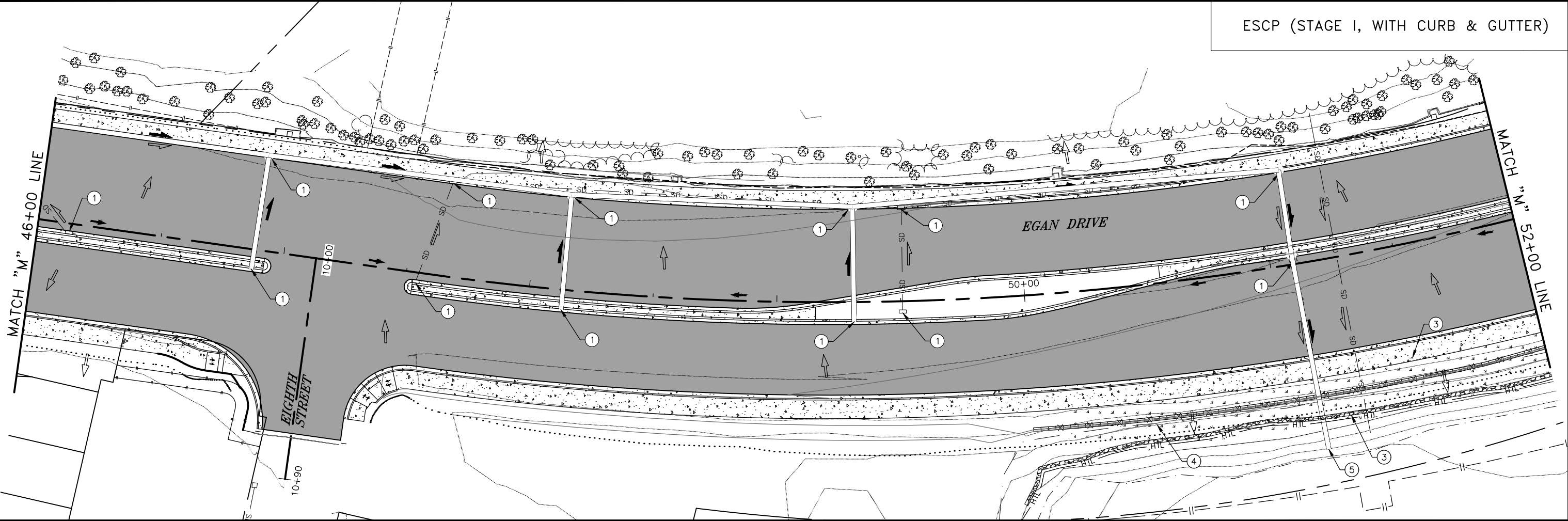


BEGINNING OF PROJECT "M" LINE, STA 42+47.56



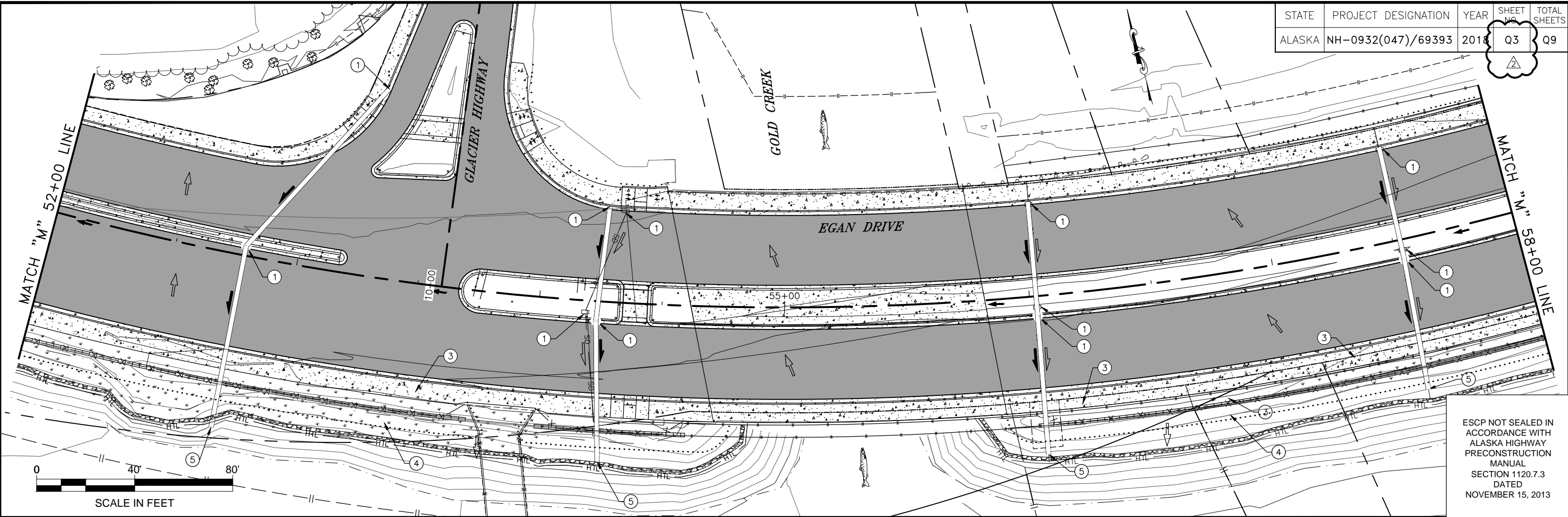
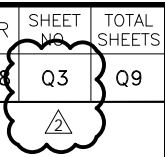
ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

ESCP (STAGE I, WITH CURB & GUTTER)



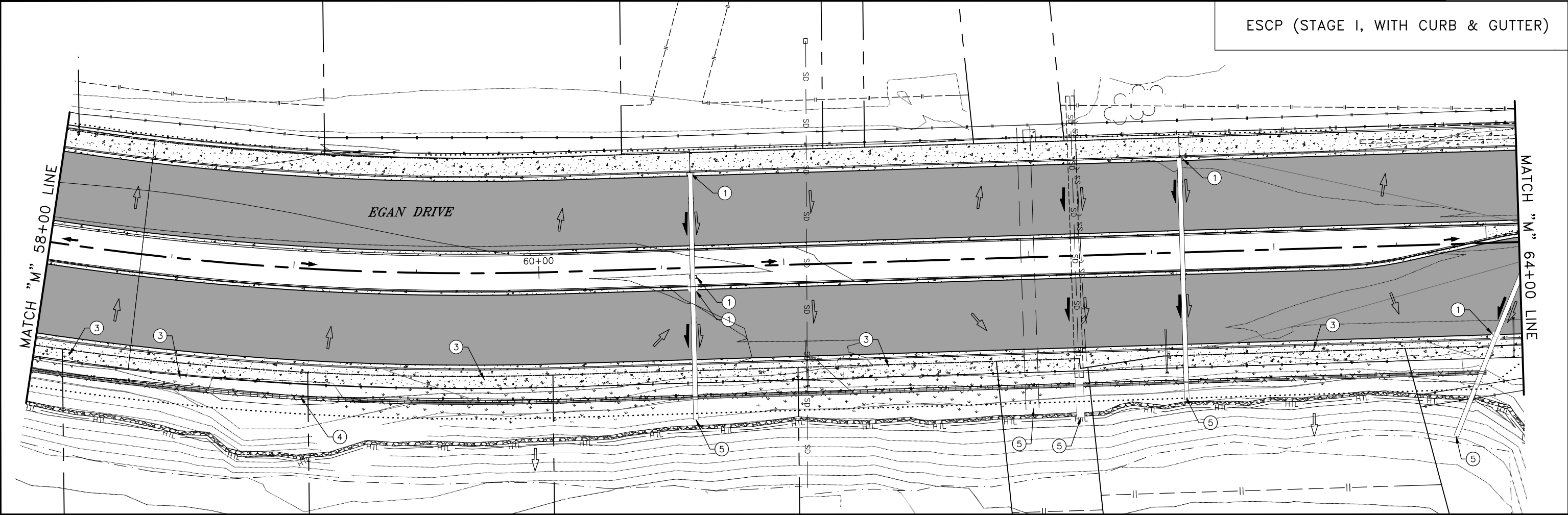
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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	Q3	Q9



ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

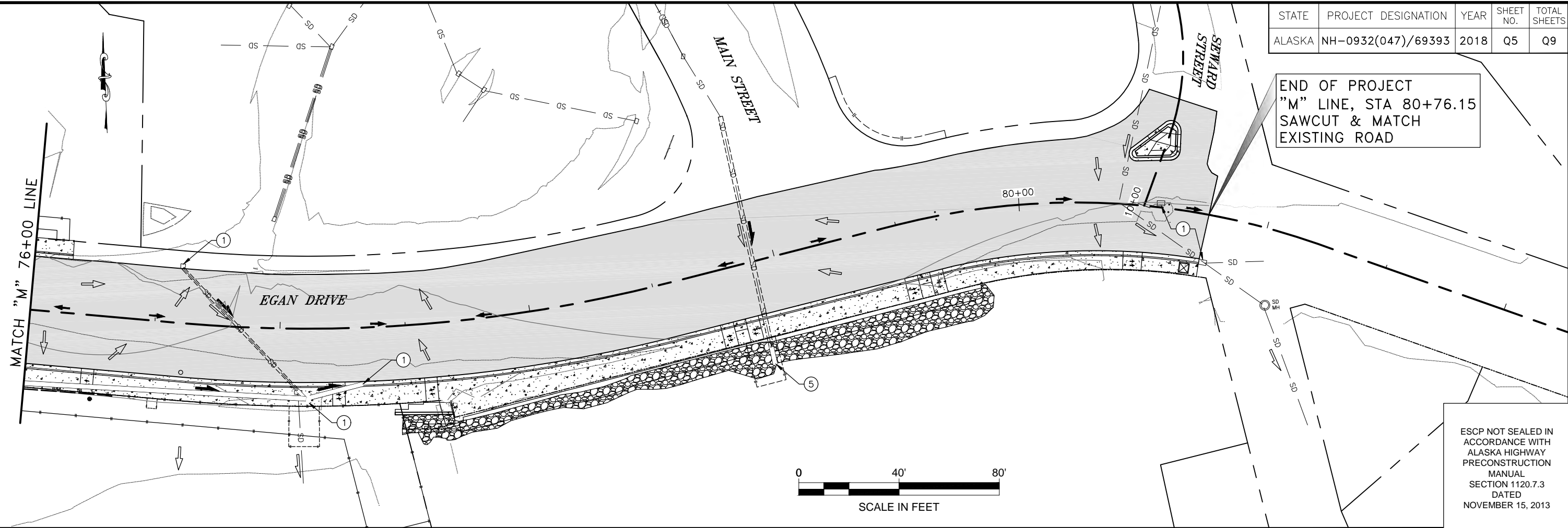
ESCP (STAGE I, WITH CURB & GUTTER)



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STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	Q5	Q9

END OF PROJECT
 "M" LINE, STA 80+76.15
 SAWCUT & MATCH
 EXISTING ROAD



ESCP (STAGE I, WITH CURB & GUTTER)

FILE G:\nu\69393\Plmset\69393_01_ESCP.dwg DATE 8/9/2018 8:08 LAYOUT 06 DESIGNED NG,DP CHECKED CT DRAFTED NG,RG

Q-SHEET NOTES:

- ① INLET PROTECTION
- ② TEMPORARY CHECK DAM
- ③ INVASIVE PLANT AREA. SEE TABLE, SHEET D1.
- ④ PERMANENT SEEDING

LEGEND

- PROFILE FLOW
- SURFACE FLOW
- PROPOSED CULVERT FLOW
- EXISTING CULVERT FLOW
- SEDIMENT BARRIER
- HIGH TIDE LINE (20.8 FT)
- FISH STREAM
- RIPRAP
- SLOPE/SPILLWAY STABILIZATION

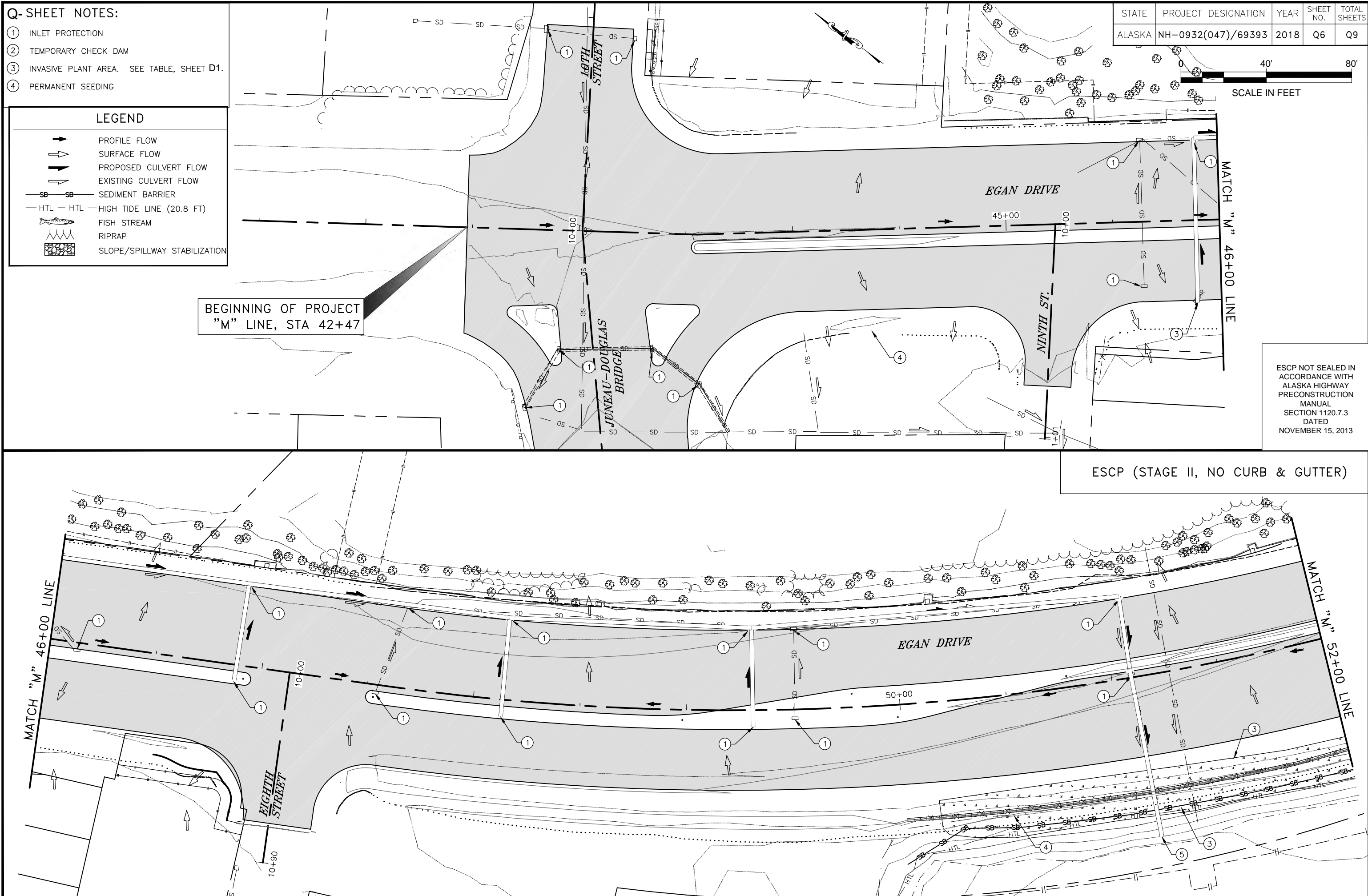
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	Q6	Q9



BEGINNING OF PROJECT "M" LINE, STA 42+47

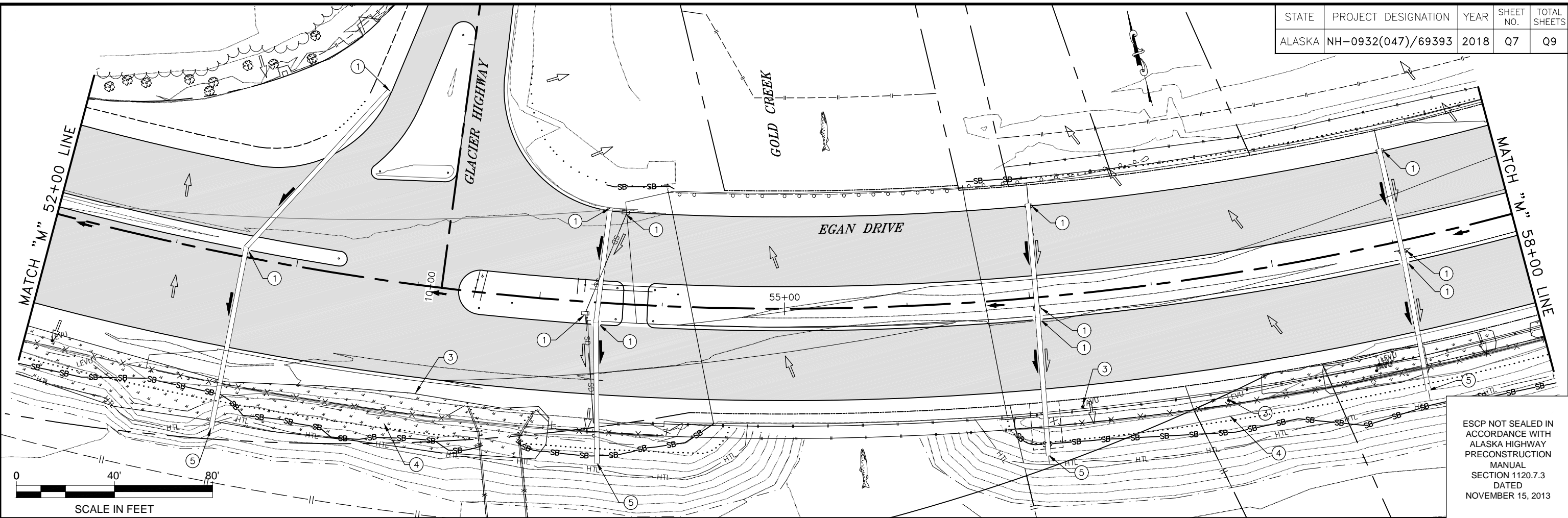
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ESCP (STAGE II, NO CURB & GUTTER)

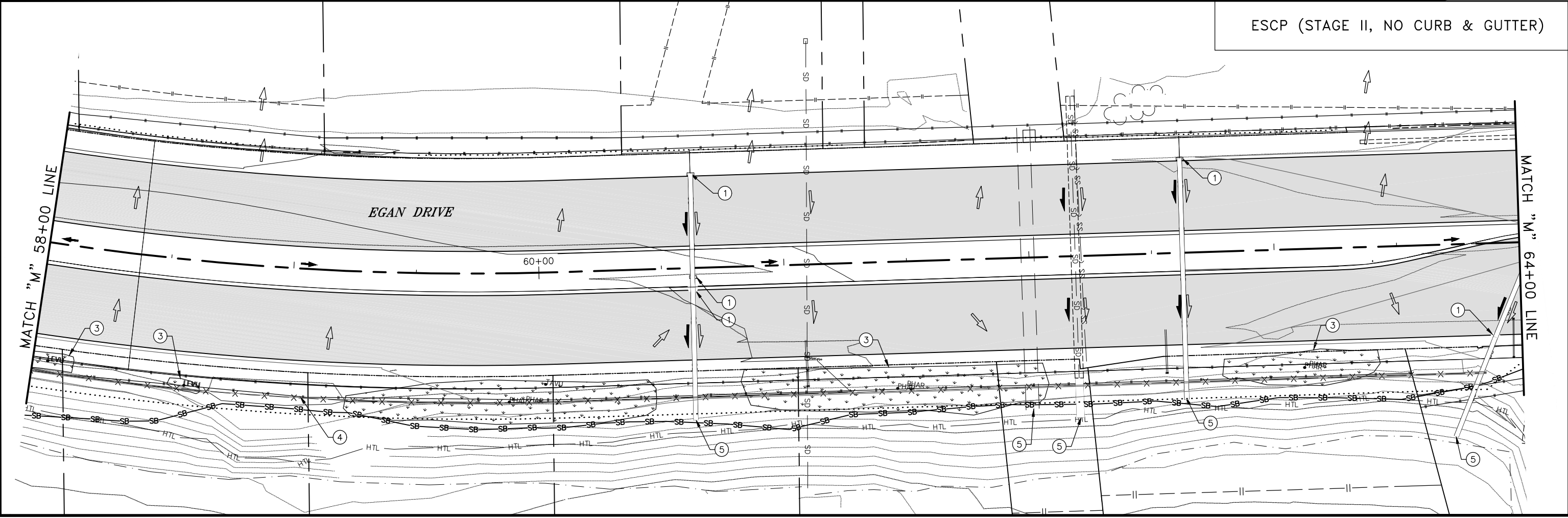


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	Q7	Q9

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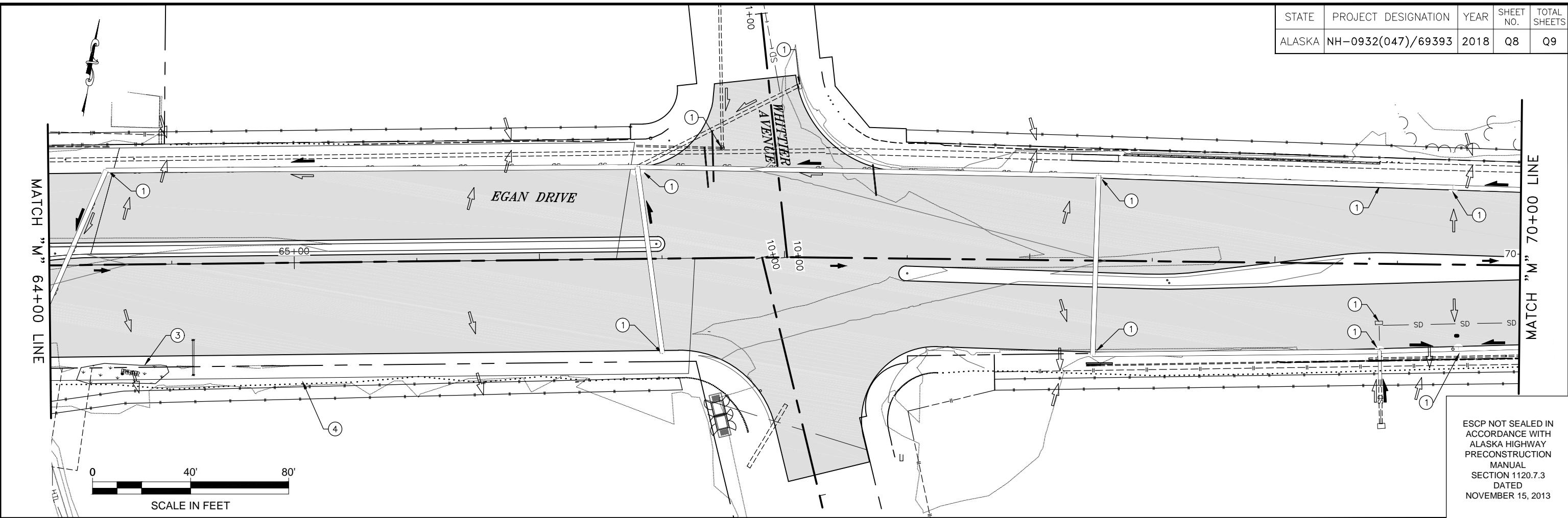


ESCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1120.7.3 DATED NOVEMBER 15, 2013

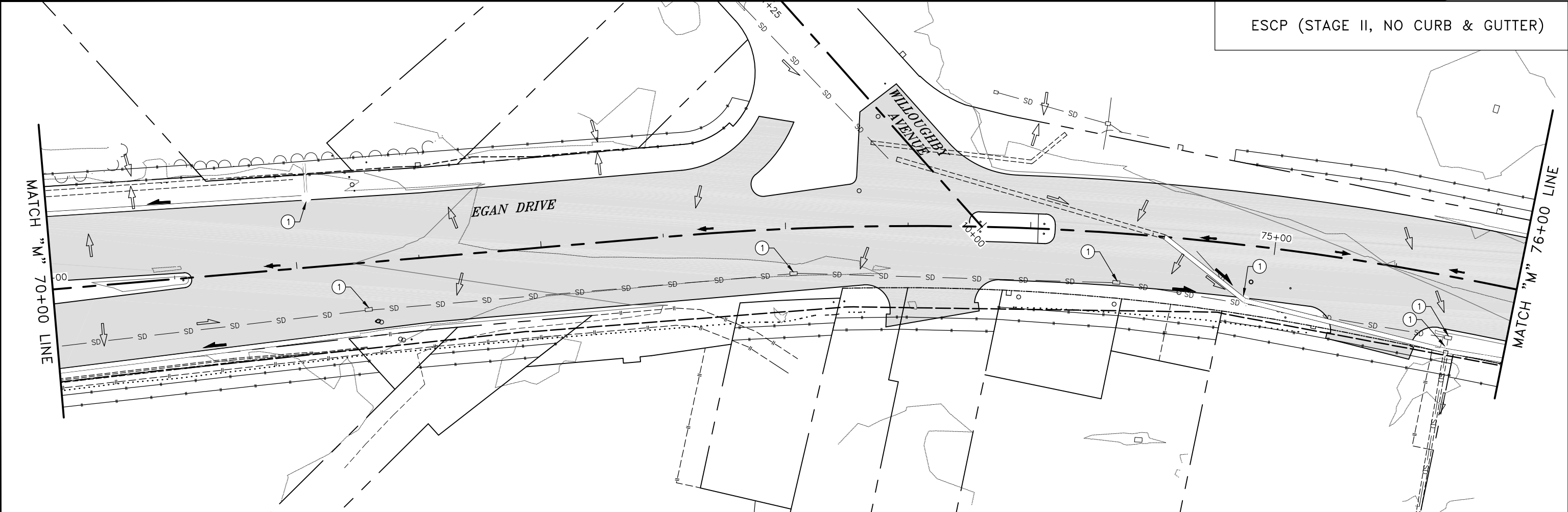


STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	Q8	Q9

FILE G:\nu\69393\Plmset\69393_01_ESCP.dwg
 DATE 8/9/2018 8:08 LAYOUT 08 DESIGNED NG,DP CHECKED CT DRAFTED NG,RG



ESCP NOT SEALED IN
 ACCORDANCE WITH
 ALASKA HIGHWAY
 PRECONSTRUCTION
 MANUAL
 SECTION 1120.7.3
 DATED
 NOVEMBER 15, 2013

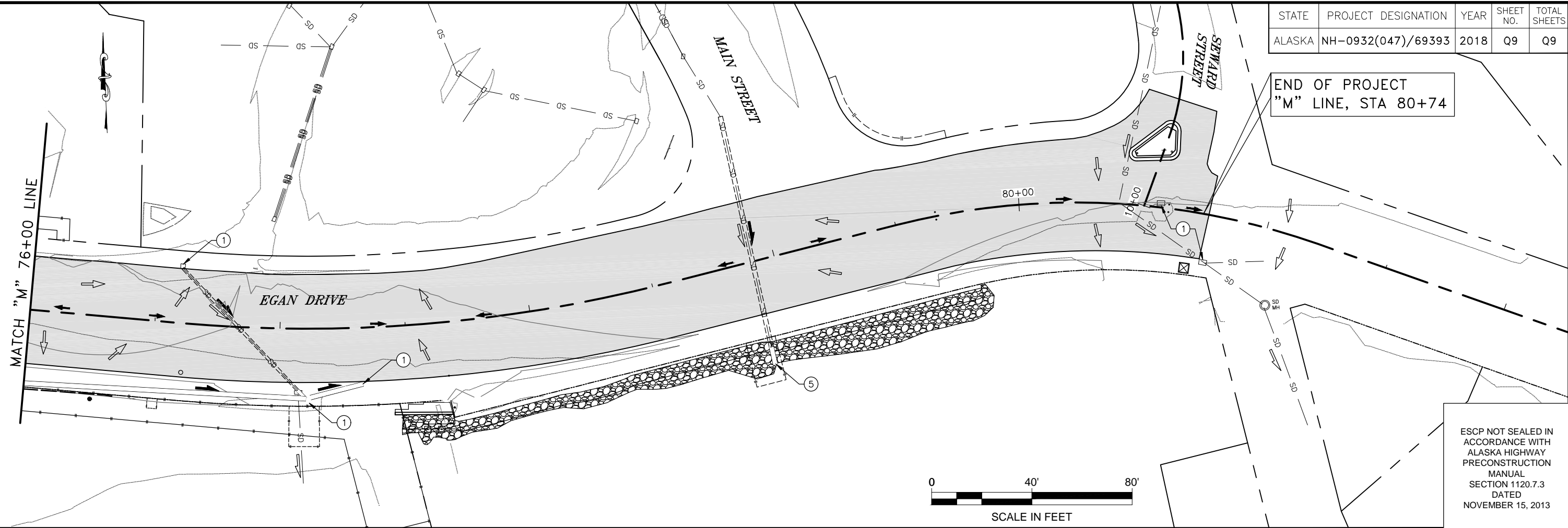


ESCP (STAGE II, NO CURB & GUTTER)

FILE G:\nu\69393\Plmset\69393_01_ESCP.dwg DATE 8/9/2018 8:08 LAYOUT 09 DESIGNED NG,DP CHECKED CT DRAFTED NG,RG

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	NH-0932(047)/69393	2018	Q9	Q9

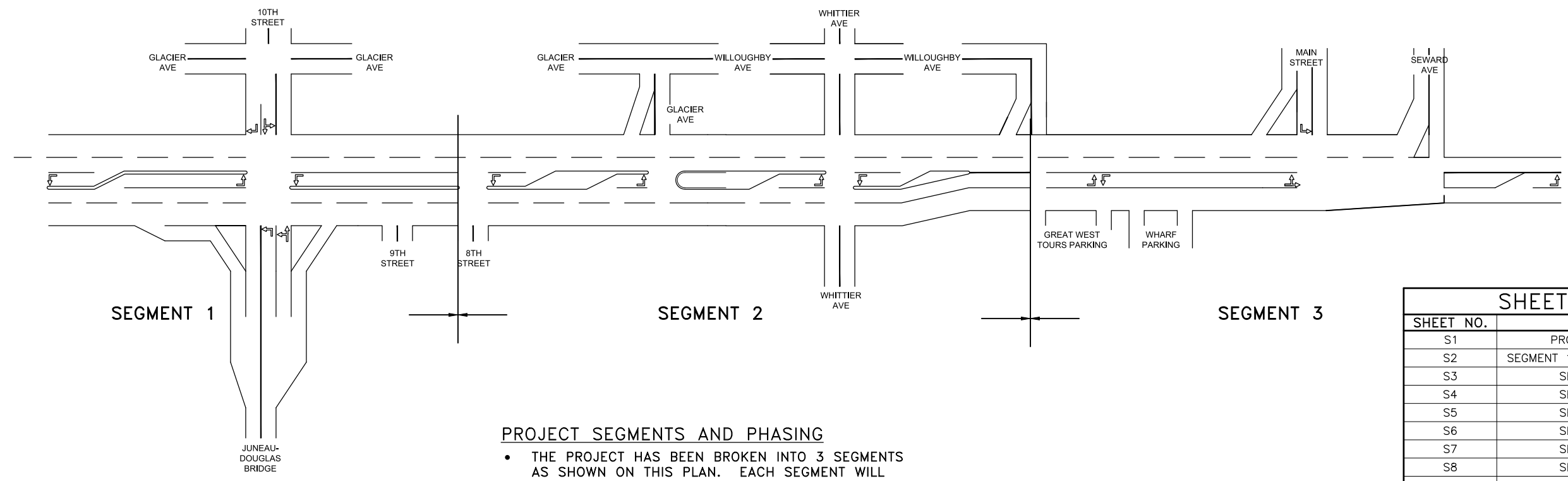
END OF PROJECT "M" LINE, STA 80+74



ESCP (STAGE II, NO CURB & GUTTER)

FILE G:\nu\69393\Planset\69393 overall phasing.dwg DATE 4/17/2018 11:40 LAYOUT S1 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	S1	S1



SEGMENT 1

SEGMENT 2

SEGMENT 3

PROJECT SEGMENTS AND PHASING

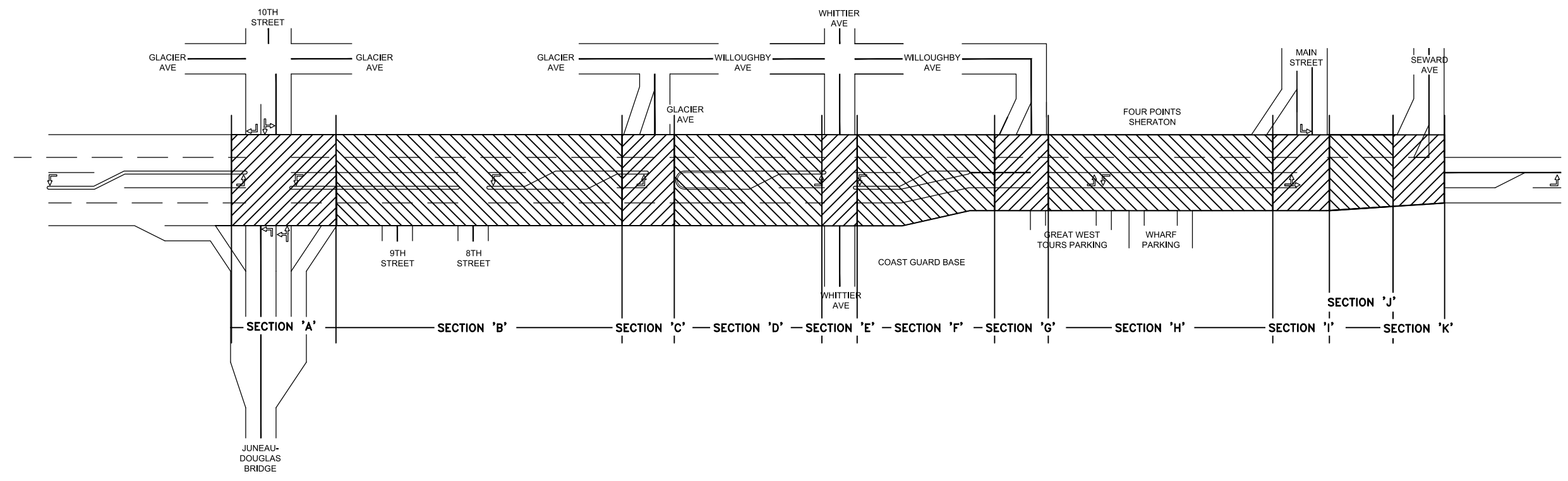
- THE PROJECT HAS BEEN BROKEN INTO 3 SEGMENTS AS SHOWN ON THIS PLAN. EACH SEGMENT WILL HAVE ITS OWN PHASING PLAN AND TIMING RESTRICTIONS AS SHOWN ON THE FOLLOWING S SHEETS.
- LIMITS BETWEEN SEGMENTS SUBJECT TO SOME CHANGE ACCORDING TO CONSTRUCTABILITY AND TRAFFIC CONTROL PLANS.

SHEET INDEX	
SHEET NO.	DESCRIPTION
S1	PROJECT SEGMENTATION
S2	SEGMENT 1 TRAFFIC CONTROL PLAN
S3	SEGMENT 1 PHASING
S4	SEGMENT 2 PHASING
S5	SEGMENT 2 PHASING
S6	SEGMENT 2 PHASING
S7	SEGMENT 3 PHASING
S8	SEGMENT 3 PHASING
S9	SEGMENT 2 & 3 FINAL PHASE
T1	TRAFFIC CONTROL NOTES
T2	SEGMENT 1 - TRAFFIC CONTROL PLAN
T3	SEGMENT 1 - TRAFFIC CONTROL PLAN
T4	SEGMENT 1 - TRAFFIC CONTROL PLAN
T5	SEGMENT 1 - TRAFFIC CONTROL PLAN
T6	SEGMENT 1 - TRAFFIC CONTROL PLAN
T7	SEGMENT 1 - TRAFFIC CONTROL PLAN
T8	SEGMENT 1 - TRAFFIC CONTROL PLAN
T9	SEGMENT 2 - TRAFFIC CONTROL PLAN
T10	SEGMENT 2 - TRAFFIC CONTROL PLAN
T11	SEGMENT 2 - TRAFFIC CONTROL PLAN
T12	SEGMENT 2 - TRAFFIC CONTROL PLAN
T13	SEGMENT 2 - TRAFFIC CONTROL PLAN
T14	SEGMENT 2 - TRAFFIC CONTROL PLAN
T15	SEGMENT 2 - TRAFFIC CONTROL PLAN
T16	SEGMENT 2 - TRAFFIC CONTROL PLAN
T17	SEGMENT 2 - TRAFFIC CONTROL PLAN
T18	SEGMENT 2 - TRAFFIC CONTROL PLAN
T19	SEGMENT 2 - TRAFFIC CONTROL PLAN
T20	SEGMENT 3 - TRAFFIC CONTROL PLAN
T21	SEGMENT 3 - TRAFFIC CONTROL PLAN
T22	SEGMENT 3 - TRAFFIC CONTROL PLAN
T23	SEGMENT 3 - TRAFFIC CONTROL PLAN

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 PROJECT SEGMENTATION

FILE G:\nu\69393\Plan\69393 overall phasing.dwg DATE 1/14/2019 14:44 LAYOUT S1 DESIGNED BP, BC, RG CHECKED BP, BC, RG DRAFTED BP, BC, RG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	S1A	S1



CONDITIONS FOR FULL WIDTH CLOSURE

FULL WIDTH CLOSURES WILL BE ALLOWED ON AN EXPERIMENTAL BASIS. IF THE FIRST CLOSURE IS SUCCESSFUL, THEN THE NEXT FULL WIDTH CLOSURE WILL BE ALLOWED. IF THE CLOSURE FAILS, NO ADDITIONAL FULL WIDTH CLOSURES WILL BE ALLOWED. A FAILED CLOSURE IS DEFINED AS A FULL WIDTH CLOSURE CAUSING A TRAFFIC DELAY OF 20 MINUTES OR GREATER.

SECTION	DESCRIPTION	Times & Dates Allowable	Condition
A	10TH STREET INTERSECTION	Night any time of year. Weekends outside tourist season	Maintain right turn on/off of the bridge, not simultaneous with any other full width closures without approval
B	BETWEEN 10TH & GLACIER AVENUE	Night any time of year. Weekends outside tourist season	Maintain access to 8th/9th Streets per 643-3.08
C	GLACIER AVE INTERSECTION	Night any time of year. Weekends outside tourist season	Detour via Glacier Avenue and Willoughby Avenue
D	BETWEEN GLACIER AND WHITTIER	Night any time of year. Weekends outside tourist season	Detour via Glacier Avenue and Willoughby Avenue
E	WHITTIER AVE INTERSECTION	Night any time of year. Weekends outside tourist season	Detour via Glacier Avenue and Willoughby Avenue. Maintain access to Coast Guard base
F	BETWEEN WHITTIER AND WILLOUGHBY	Night any time of year. Weekends outside tourist season	Left turns permissible at Willoughby Avenue. Maintain driveway access at Four Points Sheraton
G	WILLOUGHBY INTERSECTION	Night any time of year.	Detour route via 12th Street, Calhoun and 4th Street
H	BETWEEN WILLOUGHBY AND MAIN	Night any time of year.	Detour route via 12th Street, Calhoun and 4th Street
I	MAIN STREET INTERSECTION	Night any time of year.	Detour route via 12th Street, Calhoun and 4th Street. Permissible on weekends outside tourist season when right turns are allowed off Main Street
J	BETWEEN MAIN AND SEWARD	Night any time of year.	Reverse direction of Shattuck & part of Front for a detour
K	SEWARD STREET INTERSECTION	Night any time of year.	Reverse direction of Shattuck & part of Front for a detour

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

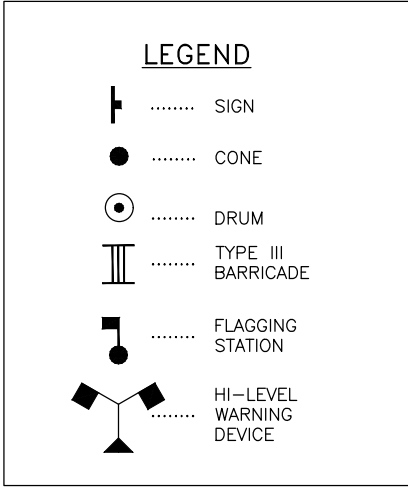
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**

PROJECT SEGMENTATION

FILE Q:\nu\69393\Planset\69393_T1_Traffic Control.dwg
 DATE 10/3/2018 11:21 LAYOUT T1
 DESIGNED BP
 CHECKED CT
 DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
A	10/3/18	ADDED NOISE AND PEDESTRIAN SIGN NOTES	ALASKA	NH-0932(047)/69393	2018	T1	T42
A	10/3/18	ADDED PCMB SIGN MAP					

SPEED (KPH)	SPEED (MPH)	BUFFER/LENGTH (ft)	CONE/DRUM SPACING (ft)	TAPER FACTOR (T)	STOPPING SIGHT DISTANCE FOR DESIGN (FT)
25	16	30	16	4:1	
30	19	36	20	6:1	98
35	22	46	23	8:1	
40	25	58	26	10:1	148
45	28	69	30	13:1	
50	31	85	33	16:1	197
55	34	116	36	19:1	
60	37	141	39	23:1	246
65	40	170	43	27:1	
70	43	203	45	32:1	312
75	41	246	49	47:1	
80	50	279	52	50:1	377
85	53	321	56	53:1	
90	56	361	69	56:1	426



* NO PARKING WITHIN 200' OF CONES

FORMULAS FOR L (TAPER LENGTH)

40MPH OR LESS:

$$L = \frac{W \times S^2}{60}$$

45MPH OR GREATER:

$$L = W \times T \text{ OR } L = W \times S$$

WHERE:

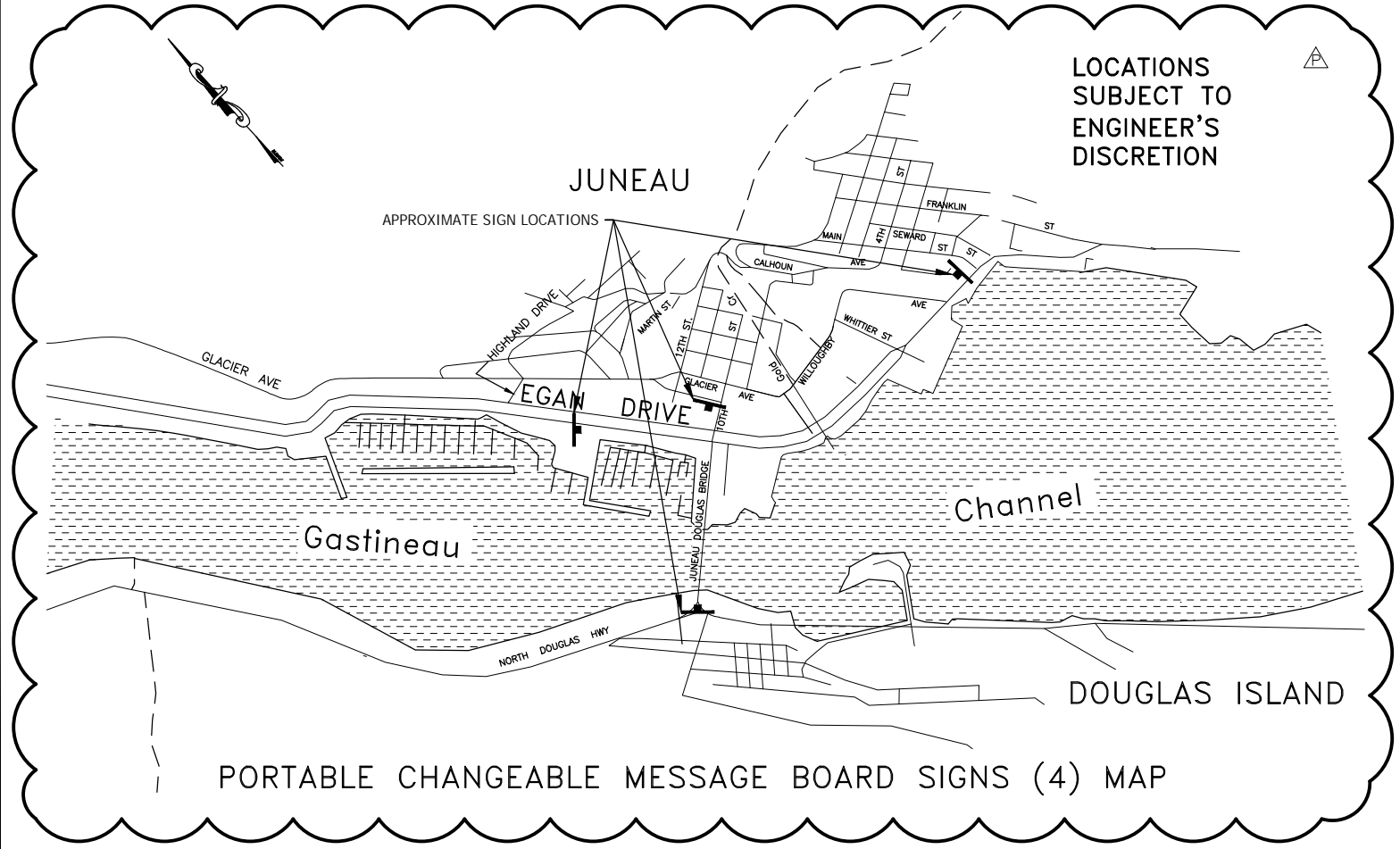
- L= LENGTH OF TAPER
- W= WIDTH OF OFFSET
- T= TAPER FACTOR
- S= POSTED SPEED LIMIT OR ANTICIPATED OPERATING SPEED

TRAFFIC CONTROL NOTES

- N/A
- N/A
- TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'.
- CONSTRUCTION SIGNS SHALL BE IN PLACE ONLY WHEN THE CONDITIONS THEY WARN ABOUT EXIST.
- THE CONTRACTOR SHALL DELINEATE PEDESTRIAN AND BICYCLE ACCESS WITH TRAFFIC CONES AS REQUIRED DURING CONSTRUCTION ACTIVITIES, CONE SPACING SHALL BE 10' MAXIMUM.
- THE CONTRACTOR SHALL PROVIDE VEHICULAR ACCESS THRU WORK ZONES AS REQUIRED BY THE ENGINEER.
- BALLOON LIGHTS SHALL BE PROVIDED FOR FLAGGER STATIONS DURING NIGHT OPERATIONS.
- CHANNELIZATION DEVICES, IF USED AT NIGHT, SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
- 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.
- TEMPORARY PAVEMENT MARKINGS WILL BE REQUIRED AS DESCRIBED IN SECTION 643-3.04 OF THE SPECIFICATIONS.
- THE CONTRACTOR SHALL RESTORE ACCESS TO BUSINESSES AND HOMES AT THE END OF EVERY WORK DAY. ACCESS TO BUSINESSES AND HOMES SHALL NOT BE SHUT OFF FOR MORE THAN A 24-HOUR PERIOD.
- THE CONTRACTOR SHALL KEEP THE PUBLIC INFORMED OF HIS CONSTRUCTION ACTIVITIES THROUGH THE USE OF THE LOCAL NEWS MEDIA. NEWS RELEASES SHALL BE APPROVED BY THE PROJECT ENGINEER PRIOR TO THEIR RELEASE. NEWS RELEASES WILL BE REQUIRED BUT NOT LIMITED TO, THE ONSET OF WORK, GRINDING, PAVING, AND CHANGES IN THE LANE CONFIGURATIONS.
- A SINGLE FLAGGER MAY BE APPROVED BY THE ENGINEER IF THE ENTIRE WORK AREA IS VISIBLE FROM THE FLAGGER STATION.
- ALL TRAFFIC DETOURS SHALL BE APPROVED BY THE ENGINEERS. PEDESTRIAN TRAFFIC CONTROL PLANS SHALL CONFORM TO THE LATEST COPY OF THE MUTCD. TYPICAL APPLICATIONS TA-28 AND TA-29 ARE RECOMMENDED.
- THE CONTRACTOR SHALL GIVE 24 HOURS ADVANCE NOTICE BEFORE WORKING ON DRIVEWAYS.
- THE MAXIMUM LENGTH OF A ONE LANE, TWO-WAY WORK ZONE (FLAGGER SETUP) SHALL BE 10,000', AND THE MINIMUM SEPARATION BETWEEN WORK ZONES SHALL BE 1,000'. IF VEHICLE STOP TIME EXCEEDS FIVE MINUTES, THE CONTRACTOR SHALL SHORTEN HIS WORK ZONE OR RESCHEDULE HIS WORK TO A LESS BUSY HOUR.
- THE CONTRACTOR SHALL PATCH ALL BASE RECONSTRUCTION AREAS WITH CRUSHED ASPHALT IMMEDIATELY AFTER FINISHING WORK IN THESE AREAS. THESE AREAS SHALL BE MAINTAINED UNTIL PERMANENT HMA IS PLACED.
- ACCESS TO HOMES AND BUSINESSES WILL BE KEPT OPEN AT ALL TIMES. WORK ON ACCESS TO ANY HOME OR BUSINESS THAT HAS ONLY ONE ACCESS, WILL BE DONE WITH HALF WIDTH CONSTRUCTION, AND BE CONTROLLED BY A FLAGGER.
- DRAINAGE AND OTHER UNDERGROUND IMPROVEMENTS IN THE ROADWAY SHALL BE PERFORMED OUTSIDE OF PEAK TRAFFIC HOURS OR AT NIGHT (IF DURING TOURIST SEASON), AND SHALL IMPLEMENT TEMPORARY TRAFFIC CONTROL SIMILAR TO 2009 MUTCD TYPICAL APPLICATION TA-34. IF CONTRACTOR CLOSES ENTIRE SIDE(S) OF ROADWAY, IMPLEMENT DETOURS, AS NEEDED.
- CONTRACTOR SHALL COMPLY WITH ENVIRONMENTAL COMMITMENTS IN APPENDIX B OF SPECIFICATIONS AND REQUIREMENTS REFERENCED THEREIN, INCLUDING REQUIREMENTS RELATED TO CONSTRUCTION NOISE.
- CONTRACTOR SHALL PROVIDE A SUFFICIENT QUANTITY OF PEDESTRIAN RELATED SIGNAGE AND SPACE THEM CLOSELY ENOUGH, SUCH THAT THEY ARE VISIBLE AND LEGIBLE TO PEDESTRIANS, WHEN TRAVELING BETWEEN THEM.

MOBILE OPERATION TRAFFIC CONTROL PLAN NOTES:

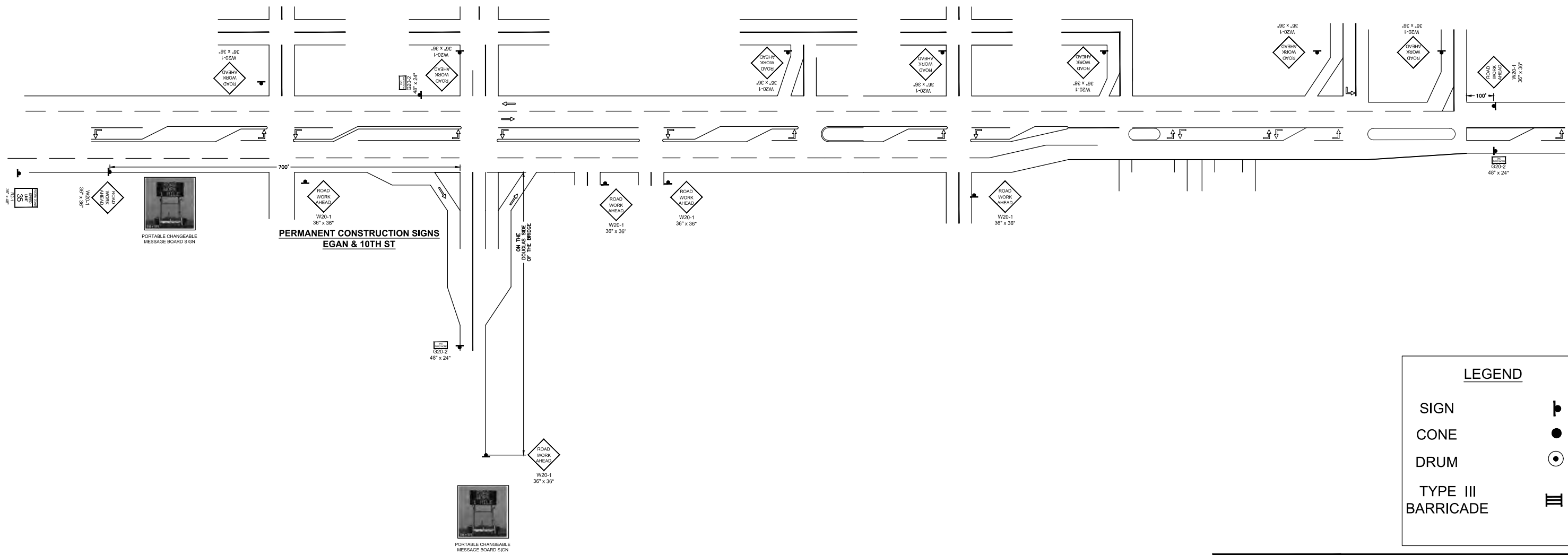
- THE MAXIMUM LENGTH OF TRAFFIC CONTROL ZONE SHALL BE 1.0 MILES. THE MAXIMUM LENGTH OF THE WORK ZONE SHALL BE 1000'.
- THE FLAGGERS SHALL BE IN RADIO CONTACT WITH EACH OTHER AND WITH THE WORK CREW AT ALL TIMES.
- THE CONTRACTOR SHALL TO THE MAXIMUM EXTENT POSSIBLE PLACE THE FLAGGERS IN A POSITION WHERE THERE IS STOPPING SIGHT DISTANCE.
- THE TRAILING WORK VEHICLE SHALL HAVE AN AMBER ROTATING OR FLASHING LIGHT MOUNTED ON THE ROOF OR CAB OF THE VEHICLE.



TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST TRAFFIC CONTROL NOTES
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FILE C:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 1/17/2019 8:59 LAYOUT NEG - PERM SIGNS T1 DESIGNED BP CHECKED CT DRAFTED JT, BC, RG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2019	T1A	T42



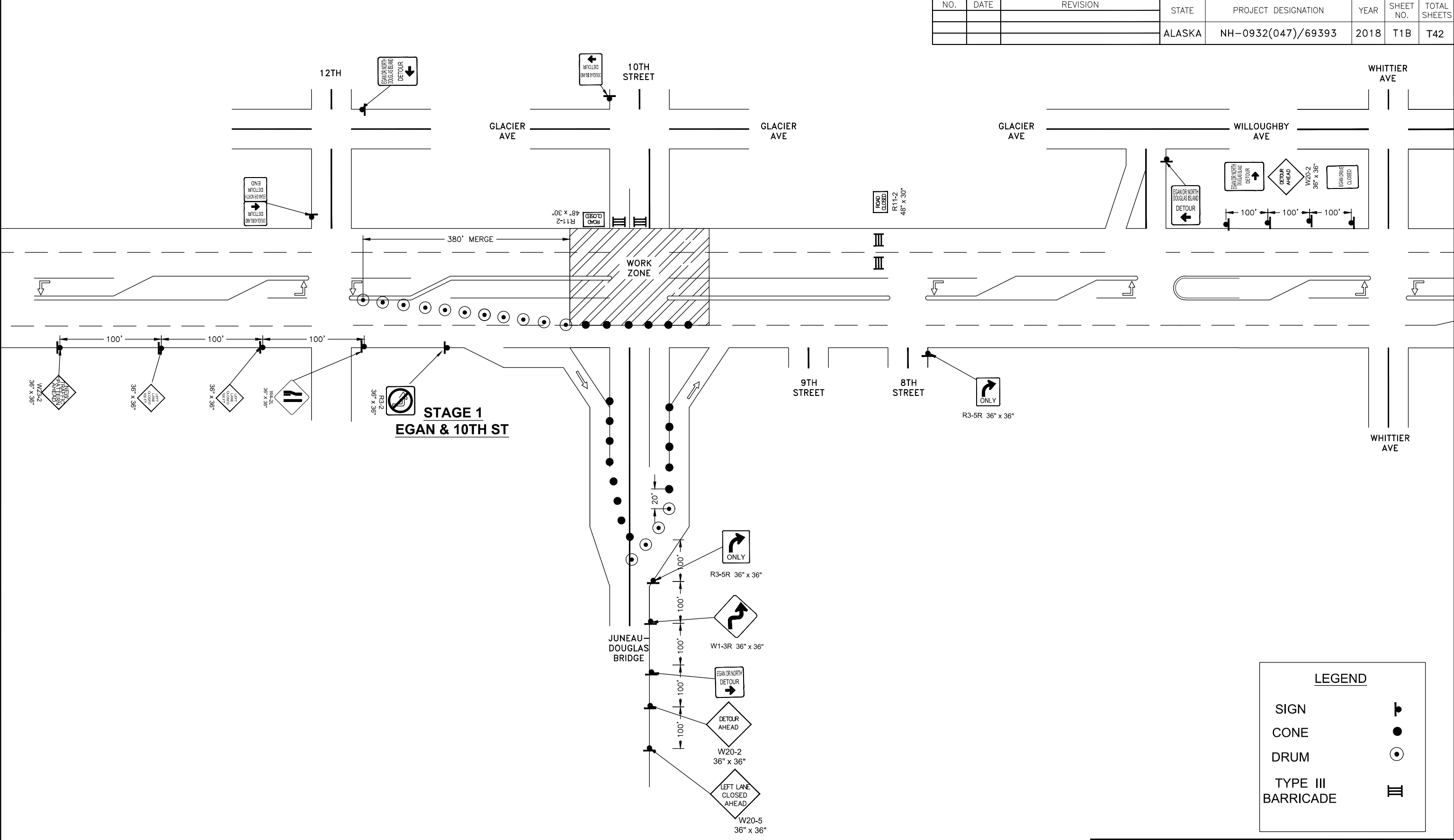
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
**TRAFFIC CONTROL PLAN
PERMANENT CONSTRUCTION SIGNS**

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T1B	T42

FILE G:\nuu\69393\Plmset\lcp stick figure 20170531.dwg DATE 1/16/2019 8:55 LAYOUT NEG - SEG T1B DESIGNED BP CHECKED CT DRAFTED BP, BC, RG



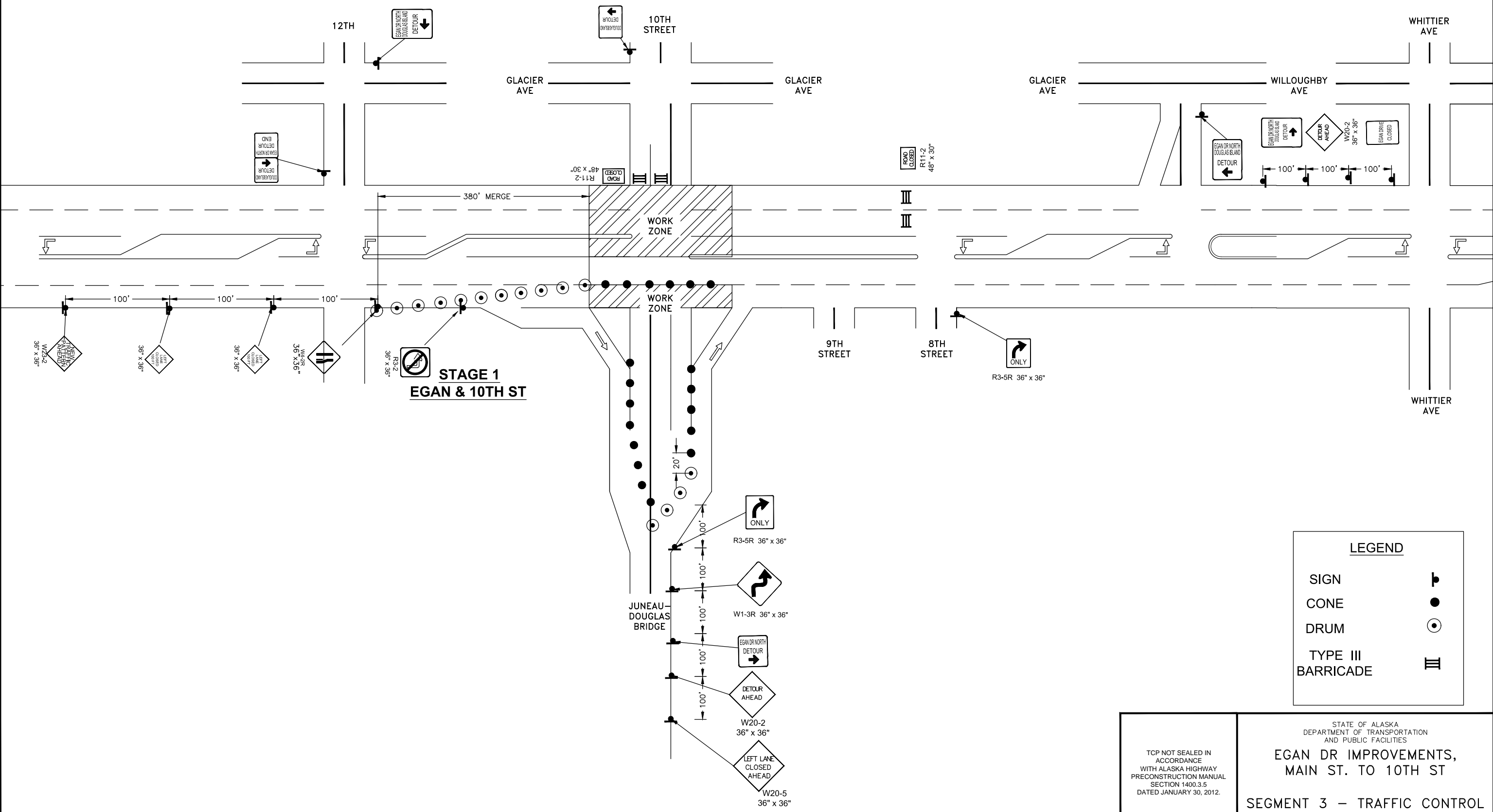
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
SEGMENT 3 - TRAFFIC CONTROL
PLAN

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 1/14/2019 14:53 LAYOUT NEG - SEG TIC DESIGNED BP CHECKED CT DRAFTED BP, BC, RG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T1C	T42



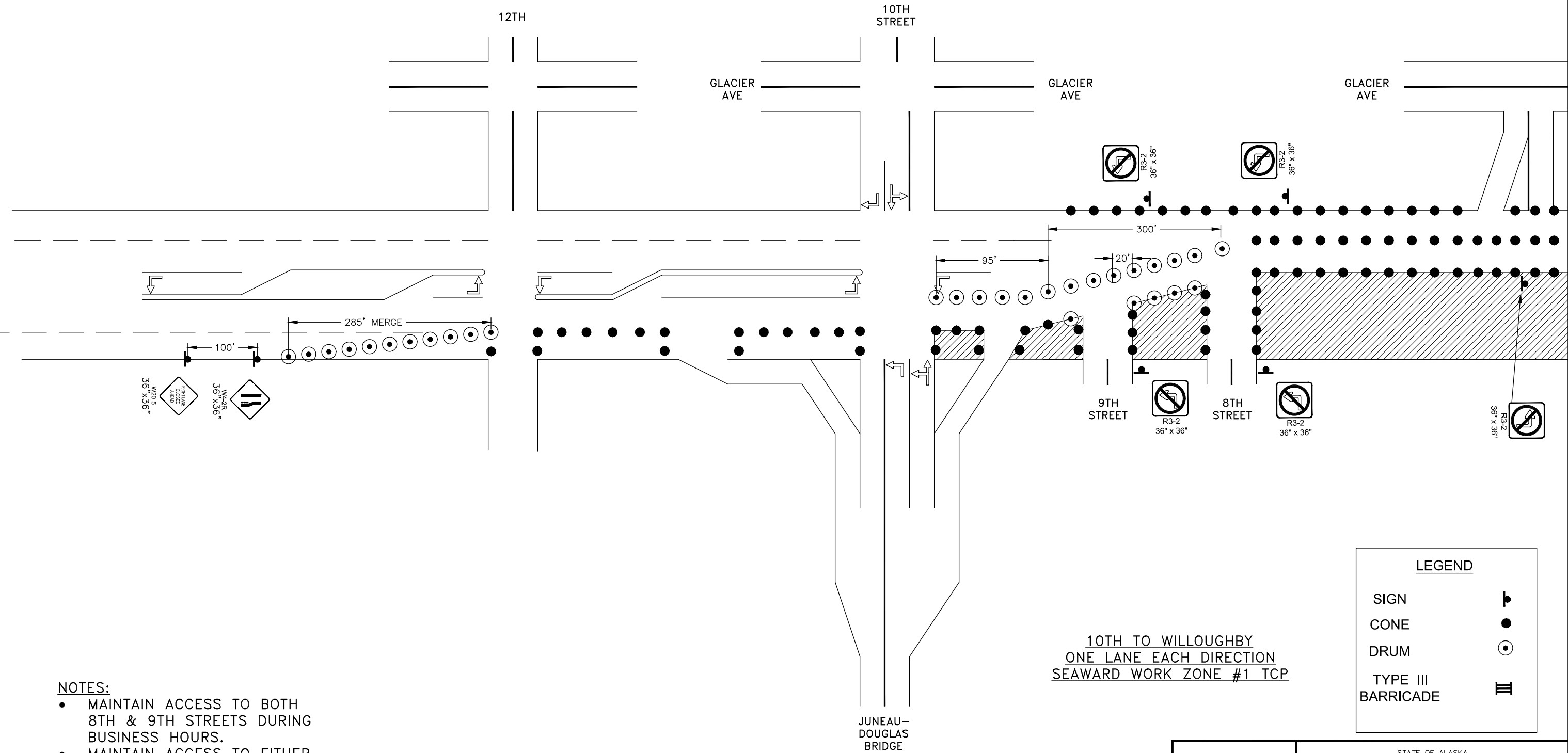
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
SEGMENT 3 – TRAFFIC CONTROL
PLAN

FILE G:\nu\69393\Plmset\69393 TID-T11.dwg DATE 1/16/2019 8:48 LAYOUT T1D DESIGNED BP CHECKED CT DRAFTED BC, RG

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T1D	T42



- NOTES:**
- MAINTAIN ACCESS TO BOTH 8TH & 9TH STREETS DURING BUSINESS HOURS.
 - MAINTAIN ACCESS TO EITHER 8TH OR 9TH STREETS ON NIGHTS AND WEEKENDS.
 - MAINTAIN ACCESS TO HOTELS 24 HOURS A DAY.

10TH TO WILLOUGHBY
ONE LANE EACH DIRECTION
SEAWARD WORK ZONE #1 TCP

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

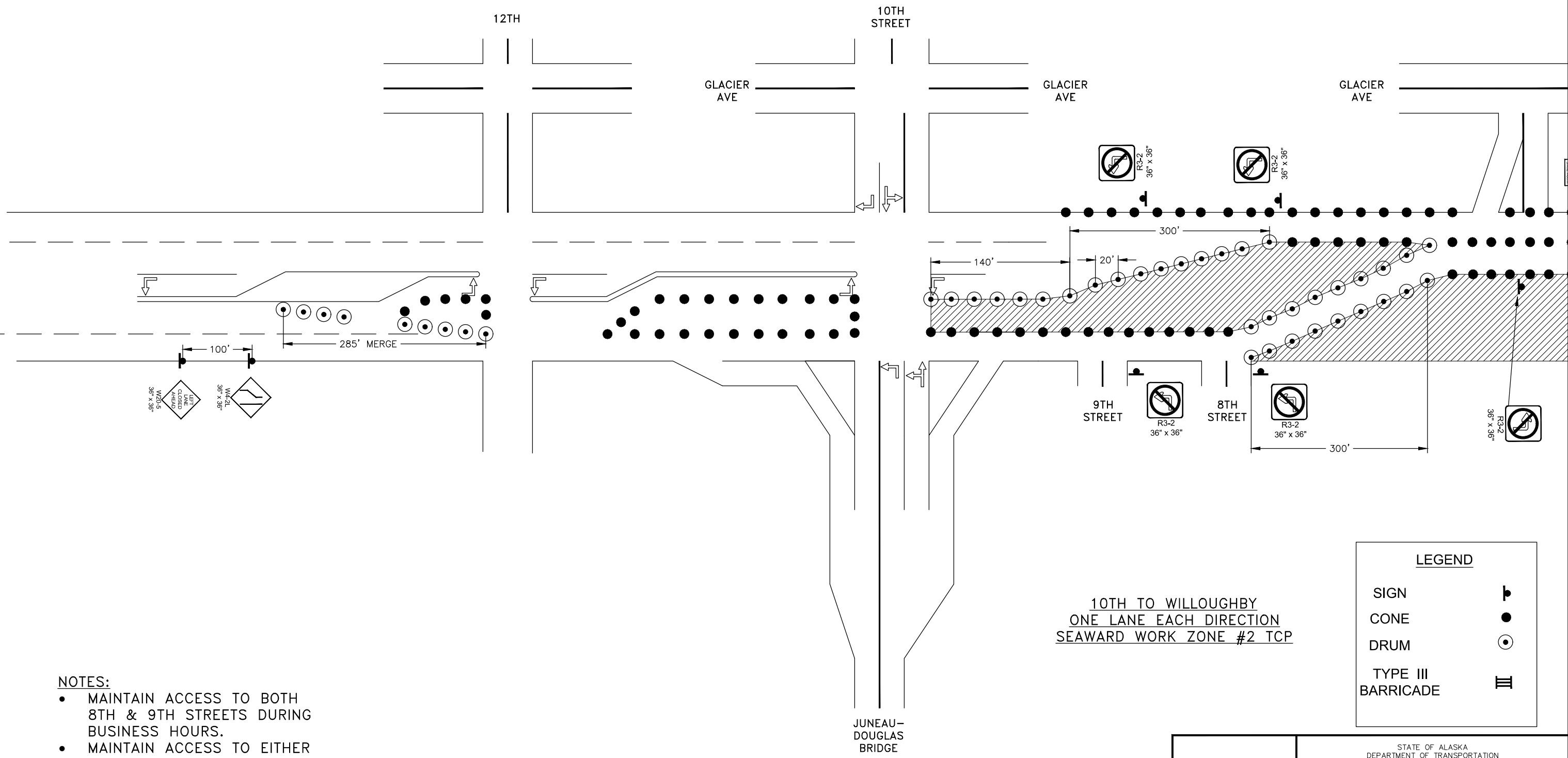
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T1E	T42

FILE G:\nu\69393\Plmset\69393 T1D-T11.dwg DATE 1/16/2019 8:49 LAYOUT T1E DESIGNED BP CHECKED CT DRAFTED BC, RG



- NOTES:**
- MAINTAIN ACCESS TO BOTH 8TH & 9TH STREETS DURING BUSINESS HOURS.
 - MAINTAIN ACCESS TO EITHER 8TH OR 9TH STREETS ON NIGHTS AND WEEKENDS.
 - MAINTAIN ACCESS TO HOTELS 24 HOURS A DAY.

10TH TO WILLOUGHBY
ONE LANE EACH DIRECTION
SEAWARD WORK ZONE #2 TCP

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

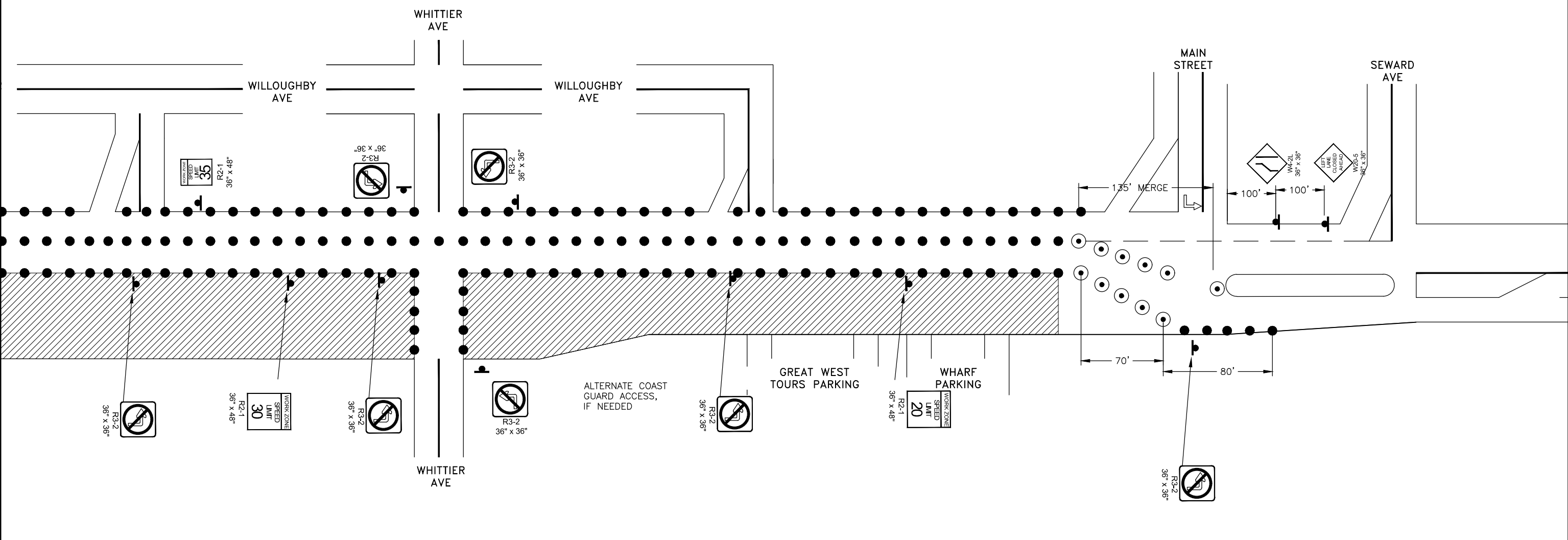
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T1F	T42

FILE G:\nu\69393\Plmset\69393 TID-T11.dwg
 DATE 1/16/2019 8:50 LAYOUT T1F
 DESIGNED BP
 CHECKED CT
 DRAFTED BC, RG



- NOTES:**
- MAINTAIN ACCESS TO BOTH 8TH & 9TH STREETS DURING BUSINESS HOURS.
 - MAINTAIN ACCESS TO EITHER 8TH OR 9TH STREETS ON NIGHTS AND WEEKENDS.
 - MAINTAIN ACCESS TO HOTELS 24 HOURS A DAY.

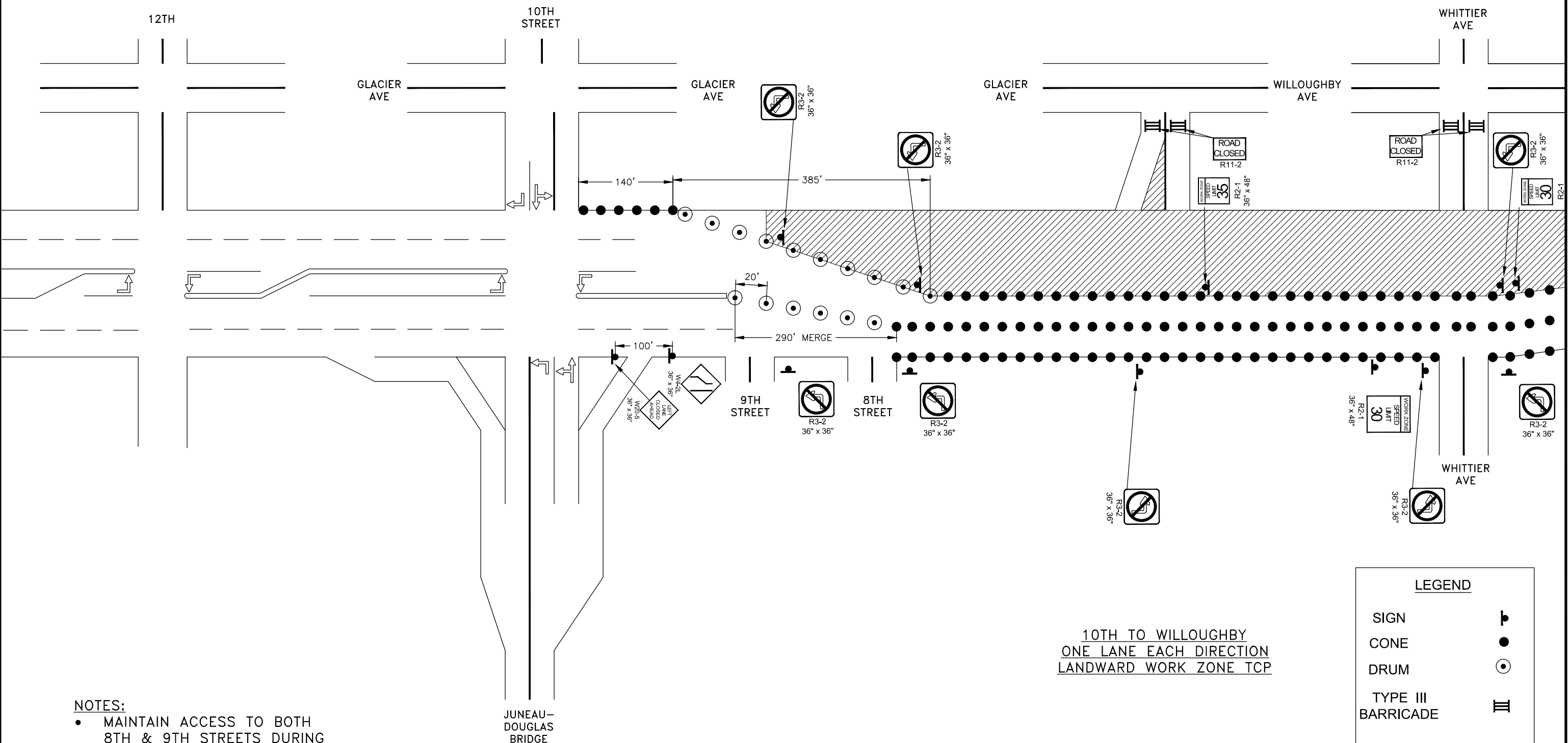
10TH TO WILLOUGHBY
 ONE LANE EACH DIRECTION
 SEAWARD WORK ZONE #1 & #2 TCP

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST TRAFFIC CONTROL PLAN
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T1G	T42

FILE G:\nu\69393\Plmset\69393 T1D-T11.dwg
 DATE 1/16/2019 8:52
 LAYOUT T1G
 DESIGNED BP
 CHECKED CT
 DRAFTED BC, RG



- NOTES:**
- MAINTAIN ACCESS TO BOTH 8TH & 9TH STREETS DURING BUSINESS HOURS.
 - MAINTAIN ACCESS TO EITHER 8TH OR 9TH STREETS ON NIGHTS AND WEEKENDS.
 - MAINTAIN ACCESS TO HOTELS 24 HOURS A DAY.

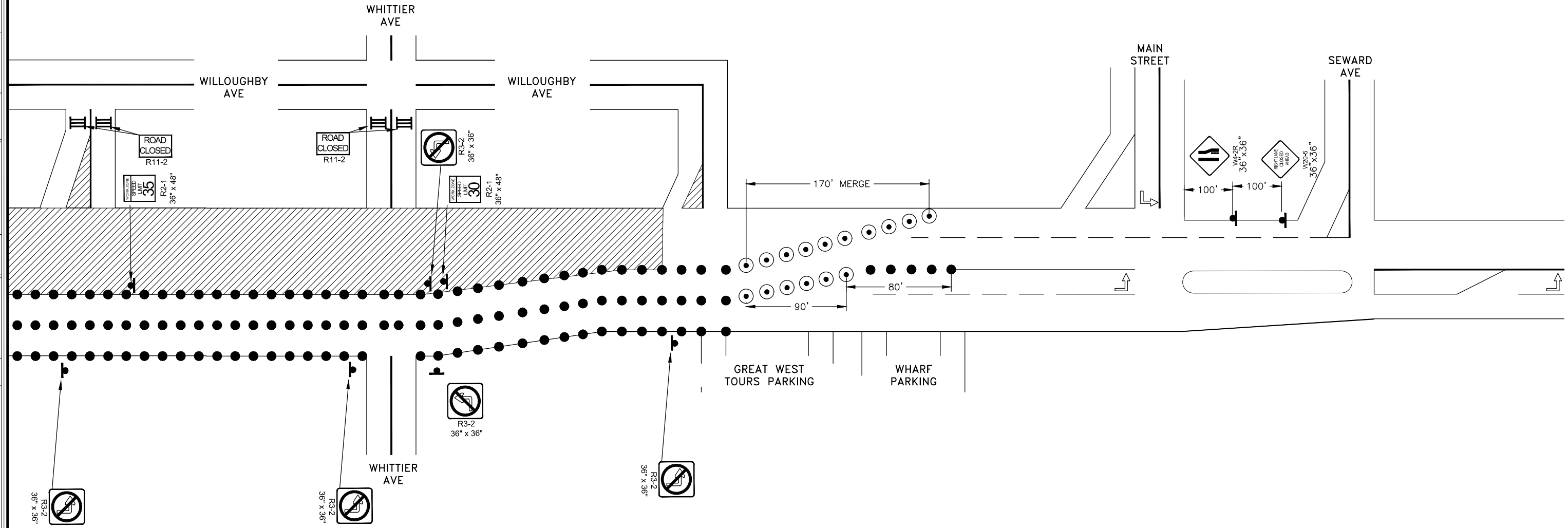
10TH TO WILLOUGHBY
 ONE LANE EACH DIRECTION
 LANDWARD WORK ZONE TCP

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST TRAFFIC CONTROL PLAN
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T1H	T42

FILE G:\nuh\69393\Plmset\69393 T1D-T11.dwg DATE 1/16/2019 8:54 LAYOUT T1H DESIGNED BP CHECKED CT DRAFTED BC, RG



10TH TO WILLOUGHBY
ONE LANE EACH DIRECTION
LANDWARD WORK ZONE TCP

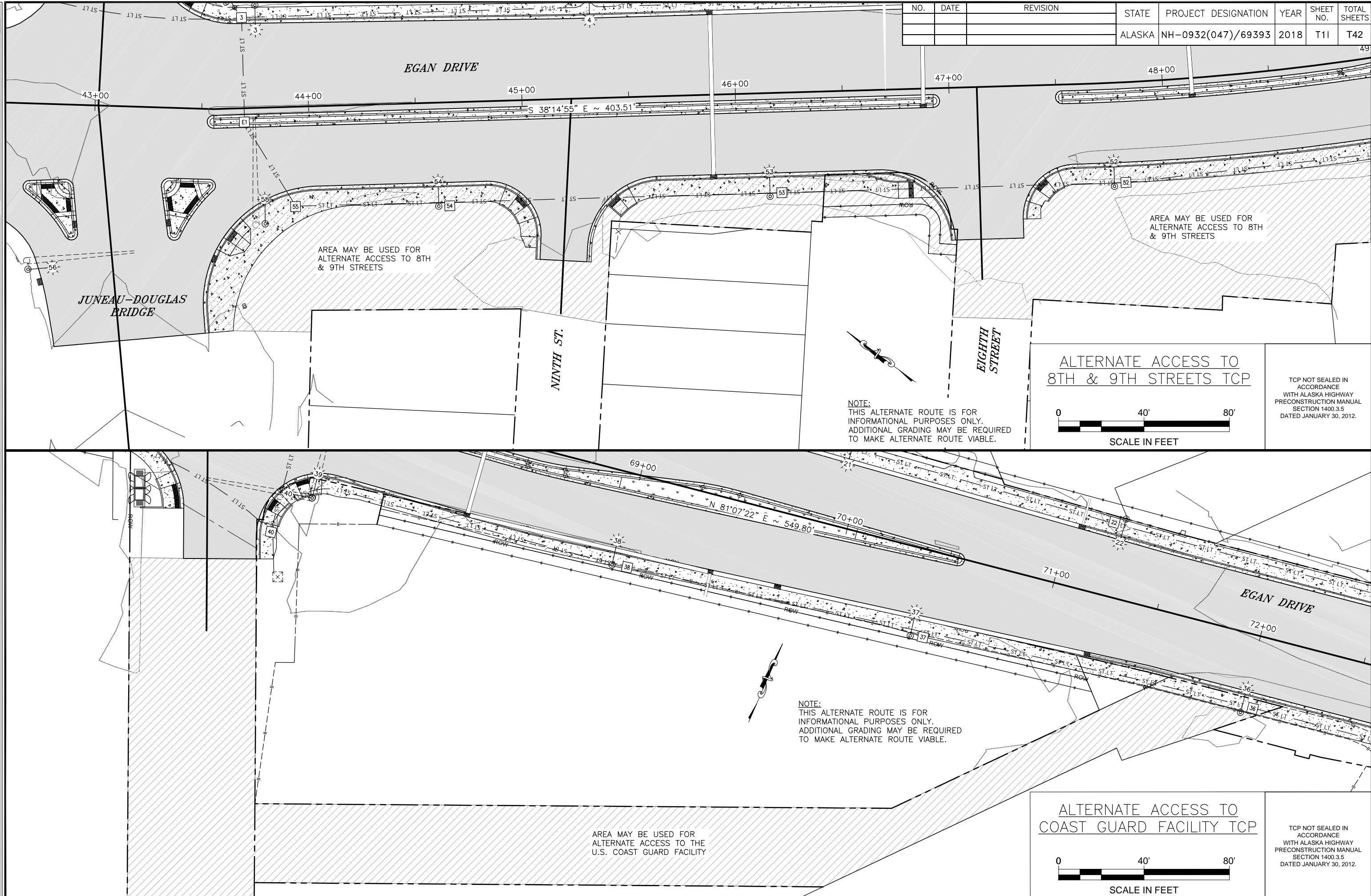
- NOTES:**
- MAINTAIN ACCESS TO BOTH 8TH & 9TH STREETS DURING BUSINESS HOURS.
 - MAINTAIN ACCESS TO EITHER 8TH OR 9TH STREETS ON NIGHTS AND WEEKENDS.
 - MAINTAIN ACCESS TO HOTELS 24 HOURS A DAY.

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

<p>TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST</p> <p>TRAFFIC CONTROL PLAN</p>
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FIRM STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 FILE G:\nu\69393\Plmset\69393_T11.dwg
 ADDRESS 6860 GLACIER HWY, JUNEAU, AK 99811
 DATE 1/30/2019 12:28 LAYOUT T11
 PHONE (907) 465-1763 DESIGNED NG,DF,BC CHECKED CT
 CERTIFICATE OF AUTH # DRAFTED NG,RC

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T11	T42



ALTERNATE ACCESS TO
8TH & 9TH STREETS TCP

NOTE:
THIS ALTERNATE ROUTE IS FOR
INFORMATIONAL PURPOSES ONLY.
ADDITIONAL GRADING MAY BE REQUIRED
TO MAKE ALTERNATE ROUTE VIABLE.

0 40' 80'
SCALE IN FEET

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

ALTERNATE ACCESS TO
COAST GUARD FACILITY TCP

NOTE:
THIS ALTERNATE ROUTE IS FOR
INFORMATIONAL PURPOSES ONLY.
ADDITIONAL GRADING MAY BE REQUIRED
TO MAKE ALTERNATE ROUTE VIABLE.

0 40' 80'
SCALE IN FEET

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

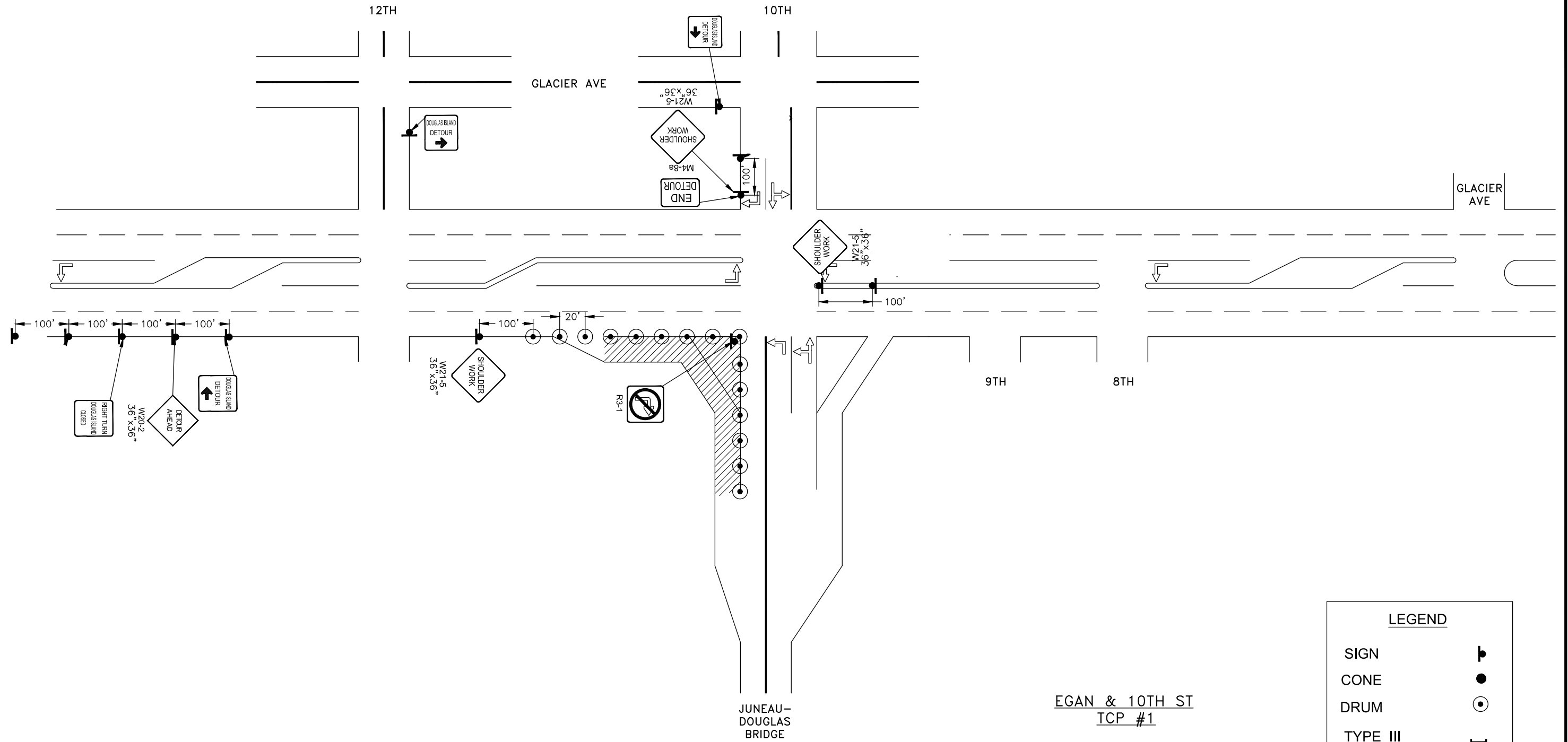
AREA MAY BE USED FOR
ALTERNATE ACCESS TO
THE U.S. COAST GUARD FACILITY

AREA MAY BE USED FOR
ALTERNATE ACCESS TO 8TH
& 9TH STREETS

AREA MAY BE USED FOR
ALTERNATE ACCESS TO 8TH
& 9TH STREETS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T2	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T2 DESIGNED BP CHECKED CT DRAFTED JT



- EGAN & 10TH ST
TCP #1**
- USE DETOUR #7 TO ACCESS DOUGLAS BRIDGE
 - USE PEDESTRIAN DETOUR #3

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

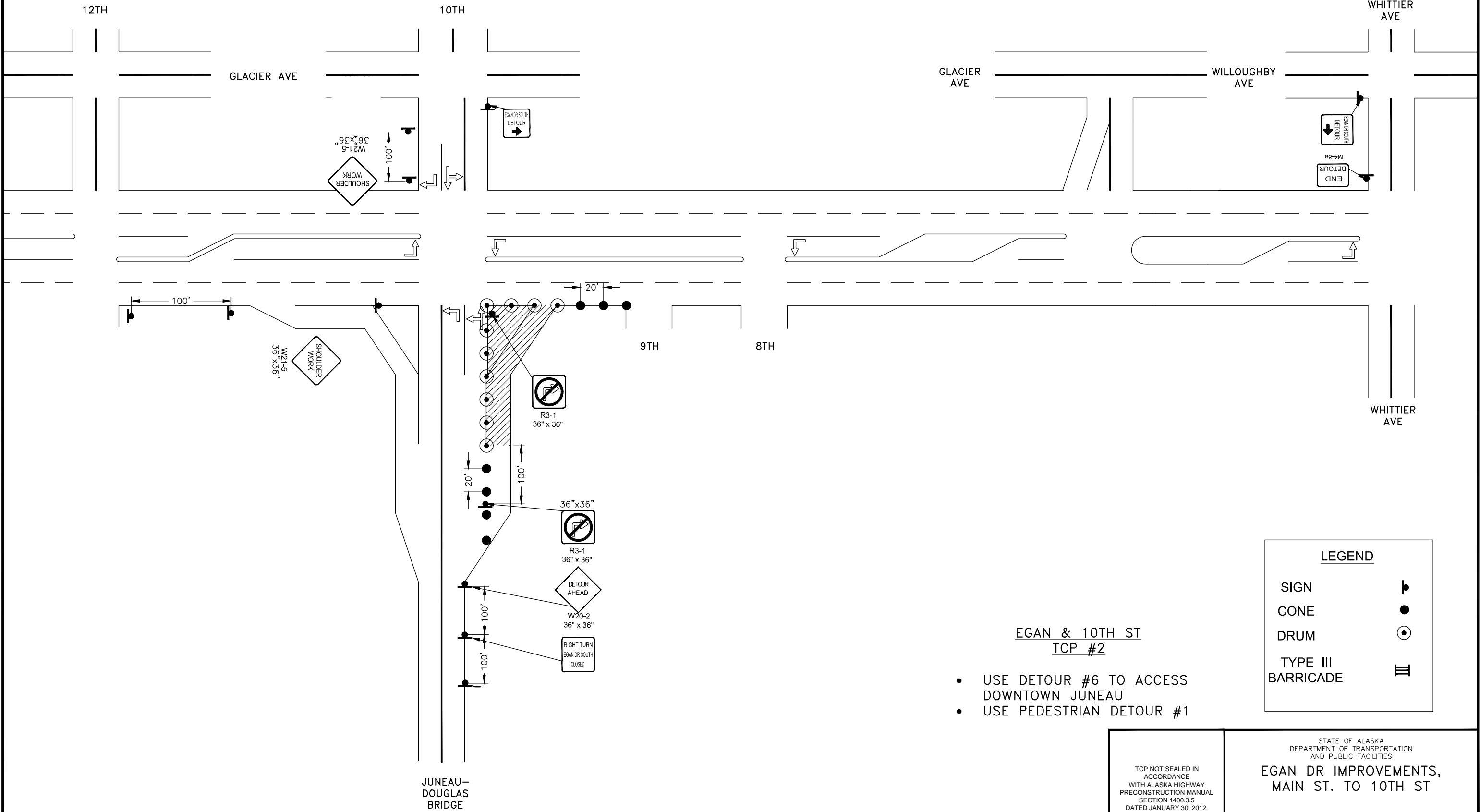
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

SEGMENT 1 – TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T3	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T3 DESIGNED BP CHECKED CT DRAFTED JT



**EGAN & 10TH ST
TCP #2**

- USE DETOUR #6 TO ACCESS DOWNTOWN JUNEAU
- USE PEDESTRIAN DETOUR #1

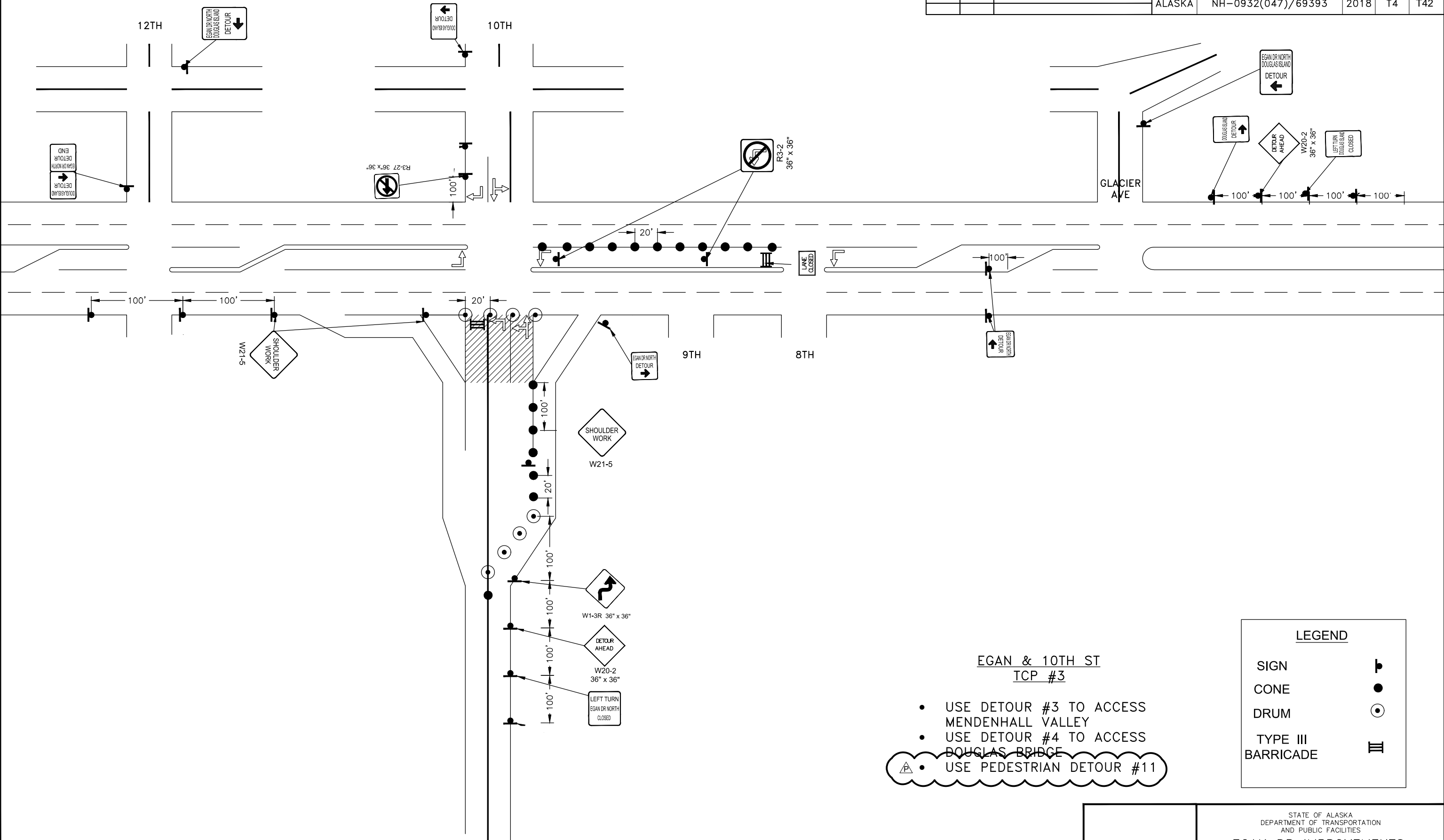
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
SEGMENT 1 – TRAFFIC CONTROL
PLAN

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/3/2018 9:42 LAYOUT T4 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	CITE PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T4	T42



**EGAN & 10TH ST
TCP #3**

- USE DETOUR #3 TO ACCESS MENDENHALL VALLEY
- USE DETOUR #4 TO ACCESS DOUGLAS BRIDGE
- USE PEDESTRIAN DETOUR #11

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

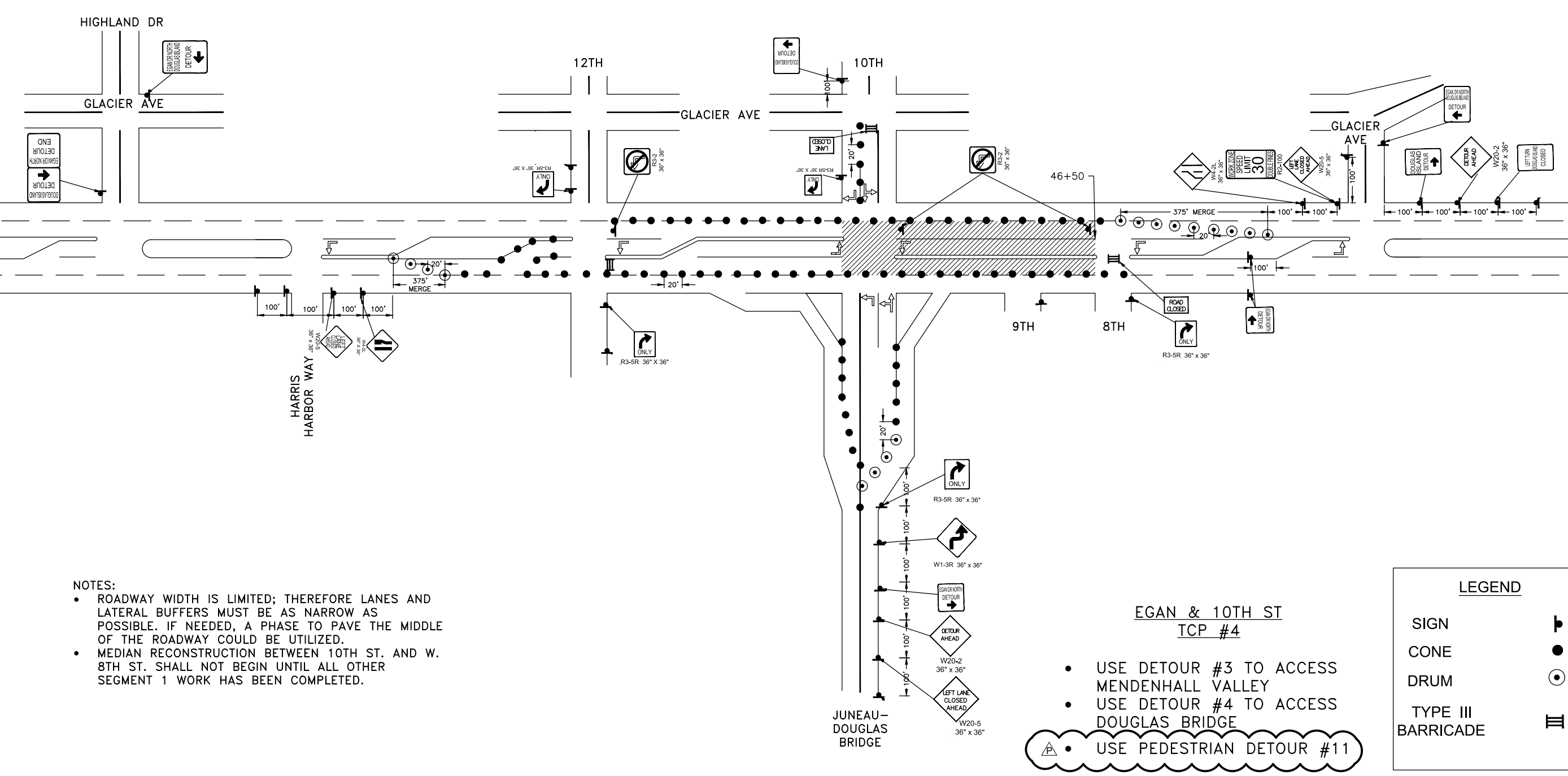
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

SEGMENT 1 – TRAFFIC CONTROL PLAN

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

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	CITE PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T5	T42

FILE G:\nu\69393\Plan\lcp stick figure 20170531.dwg DATE 10/3/2018 9:42 LAYOUT T5 DESIGNED BP CHECKED CT DRAFTED JT



- NOTES:
- ROADWAY WIDTH IS LIMITED; THEREFORE LANES AND LATERAL BUFFERS MUST BE AS NARROW AS POSSIBLE. IF NEEDED, A PHASE TO PAVE THE MIDDLE OF THE ROADWAY COULD BE UTILIZED.
 - MEDIAN RECONSTRUCTION BETWEEN 10TH ST. AND W. 8TH ST. SHALL NOT BEGIN UNTIL ALL OTHER SEGMENT 1 WORK HAS BEEN COMPLETED.

EGAN & 10TH ST
TCP #4

- USE DETOUR #3 TO ACCESS MENDENHALL VALLEY
- USE DETOUR #4 TO ACCESS DOUGLAS BRIDGE
- USE PEDESTRIAN DETOUR #11

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

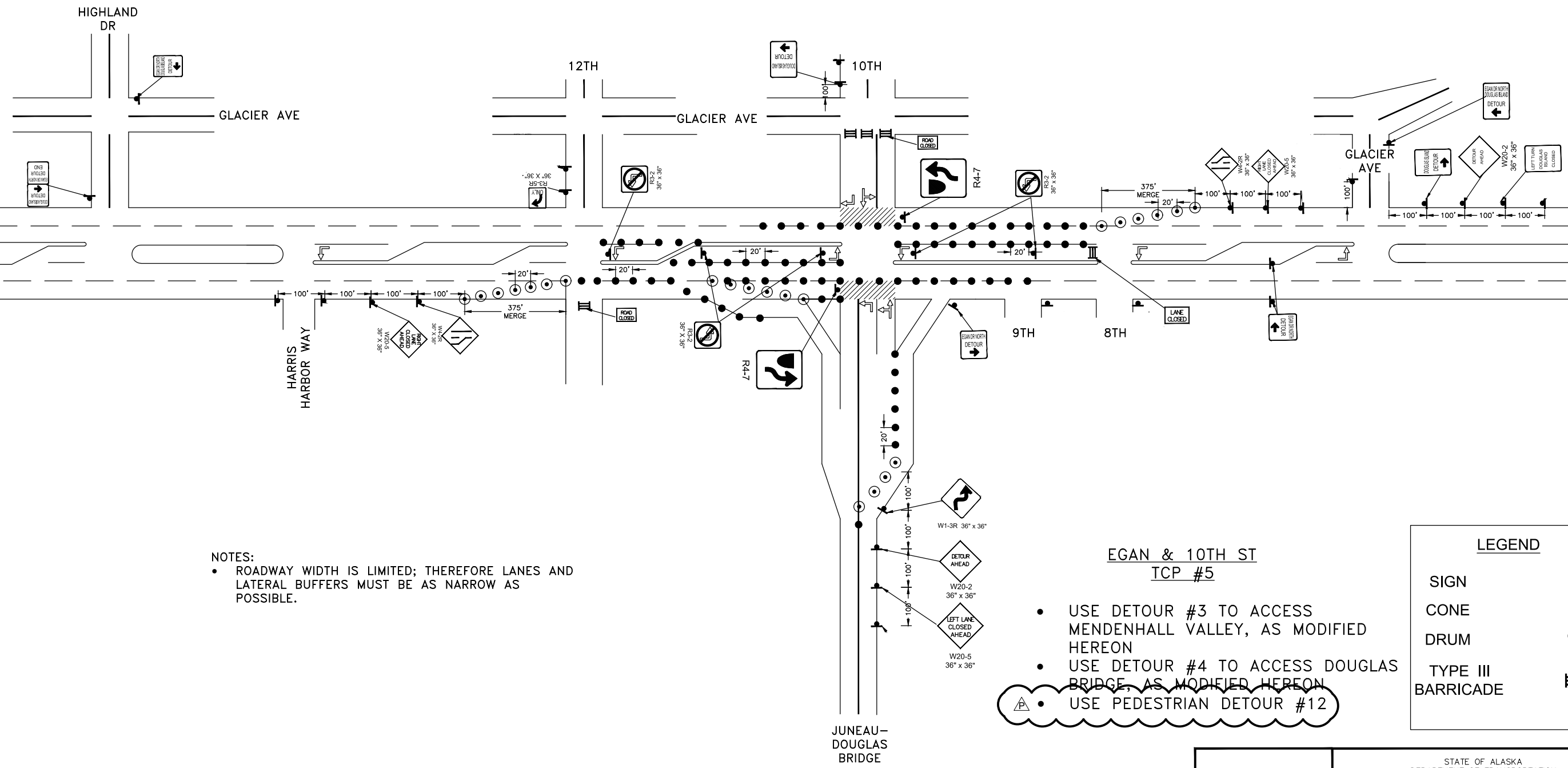
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

SEGMENT 1 – TRAFFIC CONTROL
PLAN

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

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T6 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	CITE PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T6	T42



NOTES:
 • ROADWAY WIDTH IS LIMITED; THEREFORE LANES AND LATERAL BUFFERS MUST BE AS NARROW AS POSSIBLE.

- EGAN & 10TH ST
TCP #5**
- USE DETOUR #3 TO ACCESS MENDENHALL VALLEY, AS MODIFIED HEREON
 - USE DETOUR #4 TO ACCESS DOUGLAS BRIDGE, AS MODIFIED HEREON
 - USE PEDESTRIAN DETOUR #12

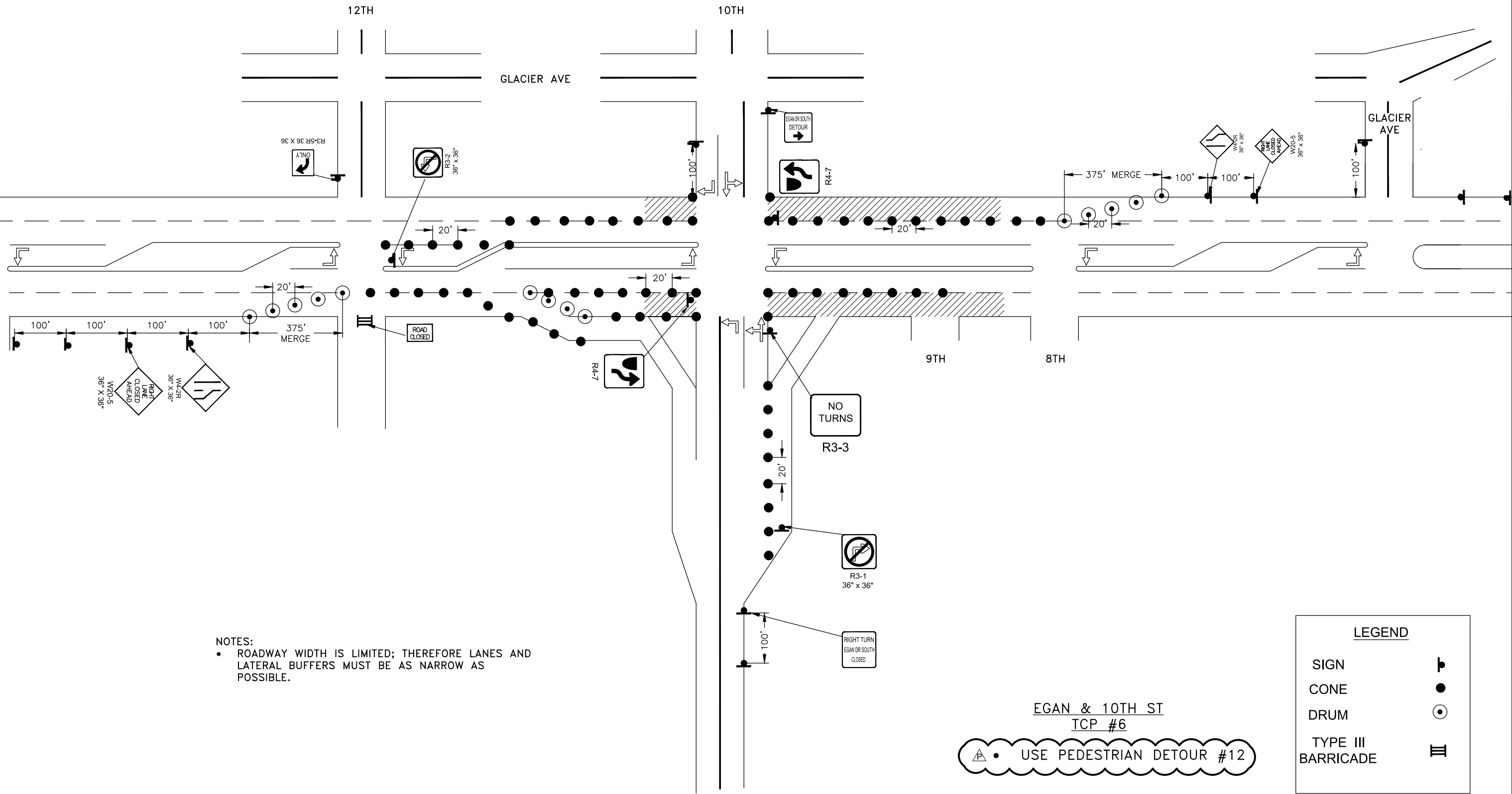
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 SEGMENT 1 – TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7A	10/2/18	CITE PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T7	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg
 DATE 10/5/2018 9:42 LAYOUT T7 DESIGNED BP CHECKED CT DRAFTED JT



NOTES:

- ROADWAY WIDTH IS LIMITED; THEREFORE LANES AND LATERAL BUFFERS MUST BE AS NARROW AS POSSIBLE.

EGAN & 10TH ST
TCP #6

• USE PEDESTRIAN DETOUR #12

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

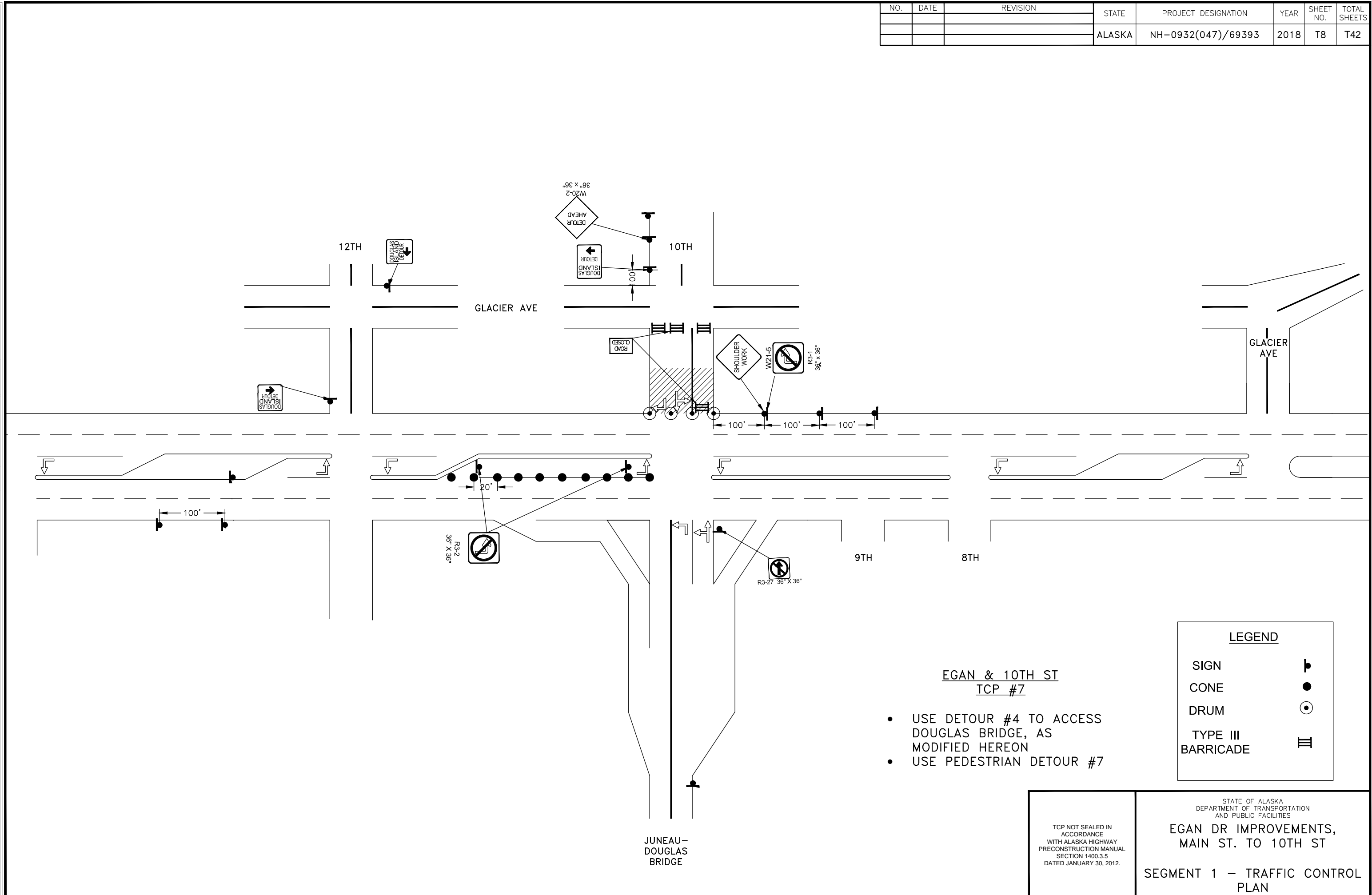
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

SEGMENT 1 – TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T8	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T8 DESIGNED BP CHECKED CT DRAFTED JT



EGAN & 10TH ST
TCP #7

- USE DETOUR #4 TO ACCESS DOUGLAS BRIDGE, AS MODIFIED HEREON
- USE PEDESTRIAN DETOUR #7

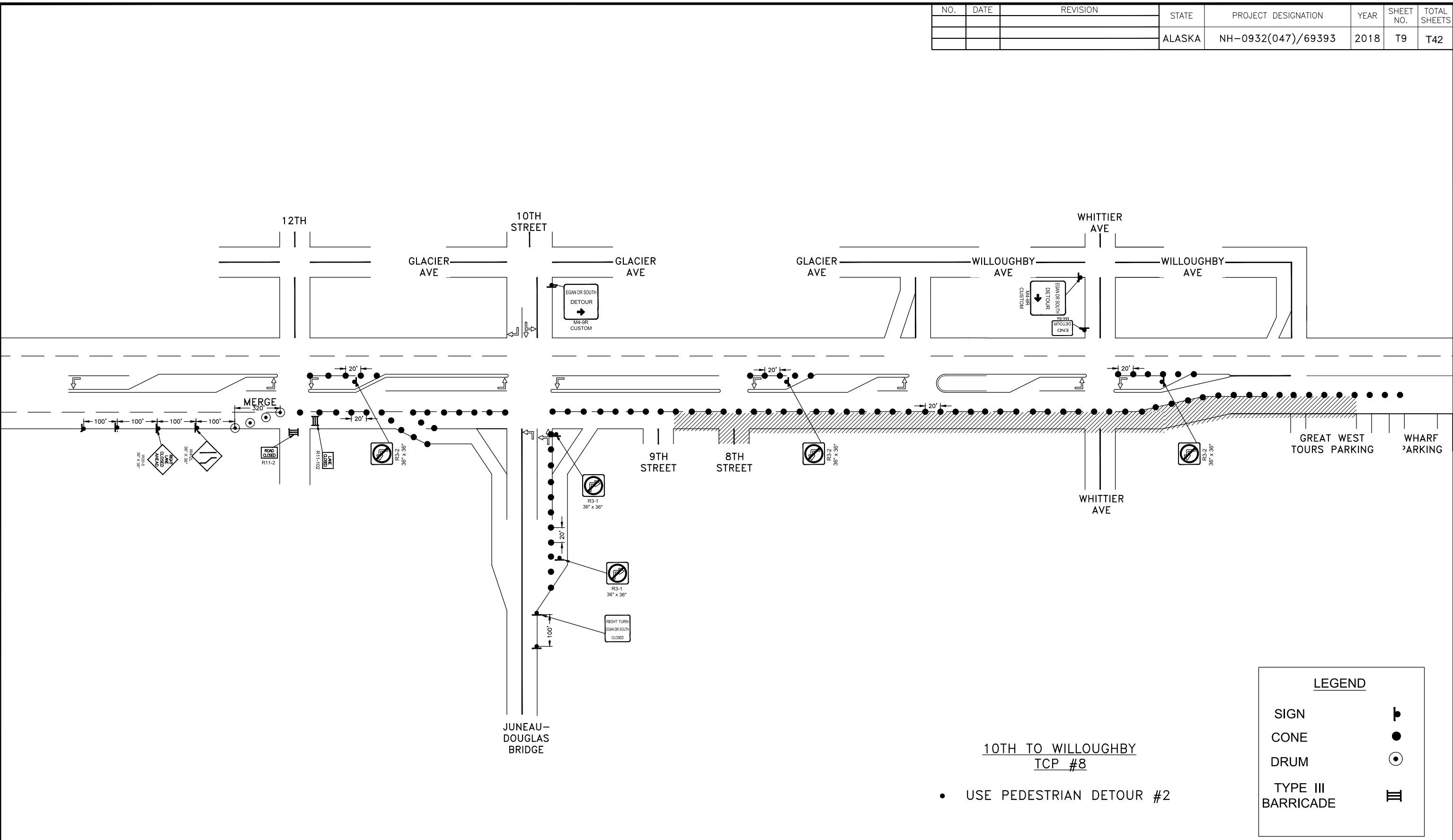
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
SEGMENT 1 – TRAFFIC CONTROL
PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T9	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg
 DATE 10/5/2018 9:42 LAYOUT T9 DESIGNED BP CHECKED CT DRAFTED JT

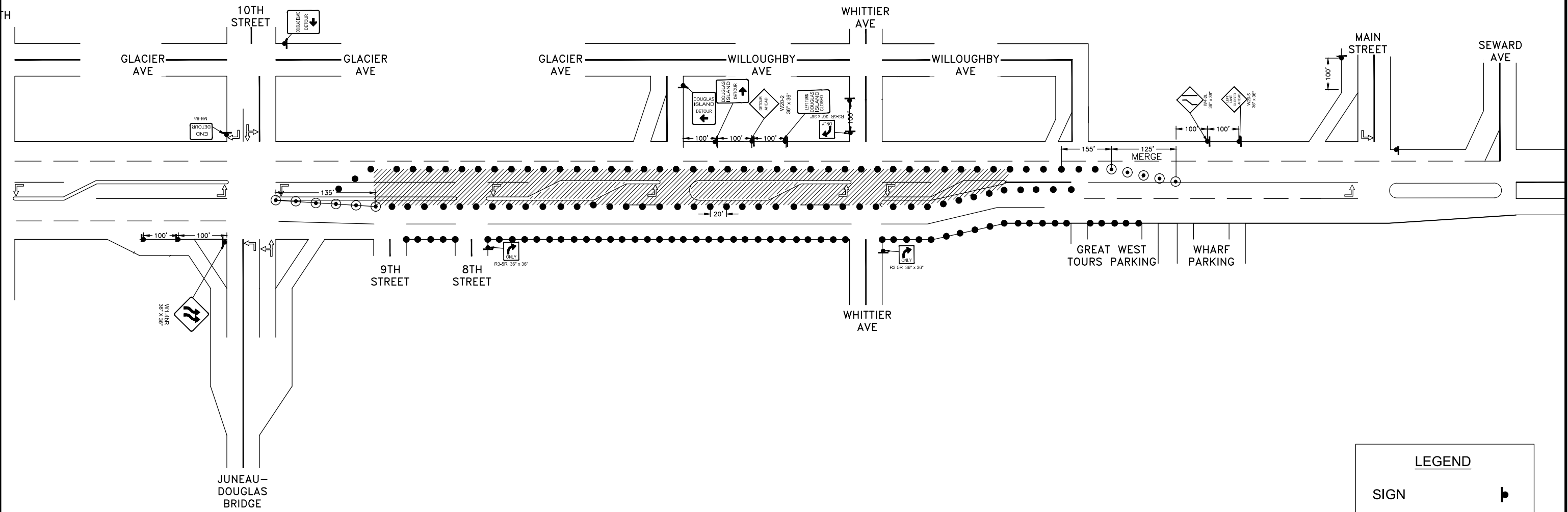


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 SEGMENT 2 – TRAFFIC CONTROL
 PLAN

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

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T10	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg
 DATE 10/5/2018 9:42 LAYOUT T10 DESIGNED BP CHECKED CT DRAFTED JT



10TH TO WILLOUGHBY
TCP #9

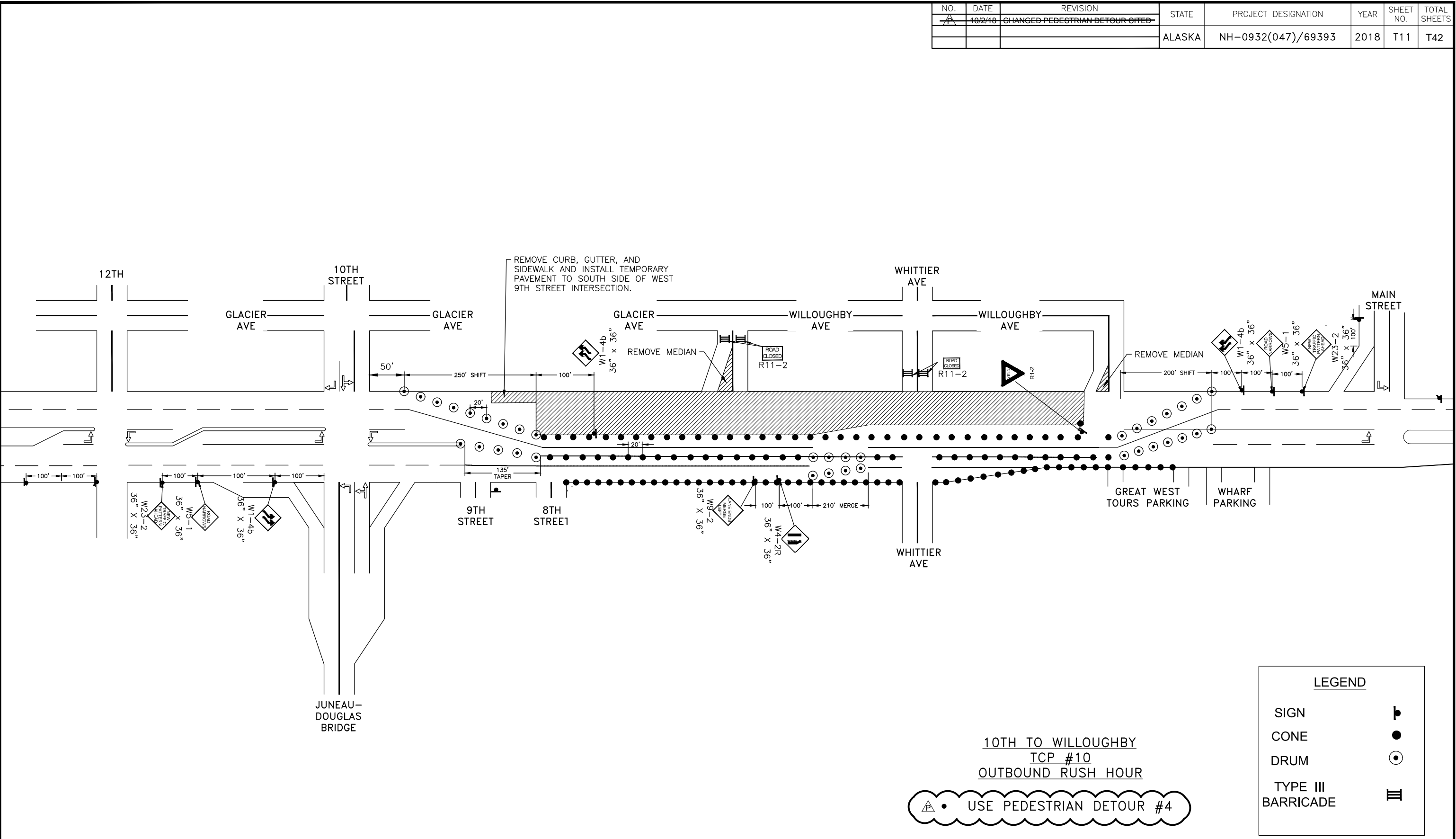
- USE PEDESTRIAN DETOUR #8

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

<p>TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST</p> <p>SEGMENT 2 – TRAFFIC CONTROL PLAN</p>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
A	10/2/18	CHANGED PEDESTRIAN DETOUR CITED	ALASKA	NH-0932(047)/69393	2018	T11	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg
 DATE 10/5/2018 9:42 LAYOUT T11
 DESIGNED BP
 CHECKED CT
 DRAFTED JT



10TH TO WILLOUGHBY
 TCP #10
 OUTBOUND RUSH HOUR

USE PEDESTRIAN DETOUR #4

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

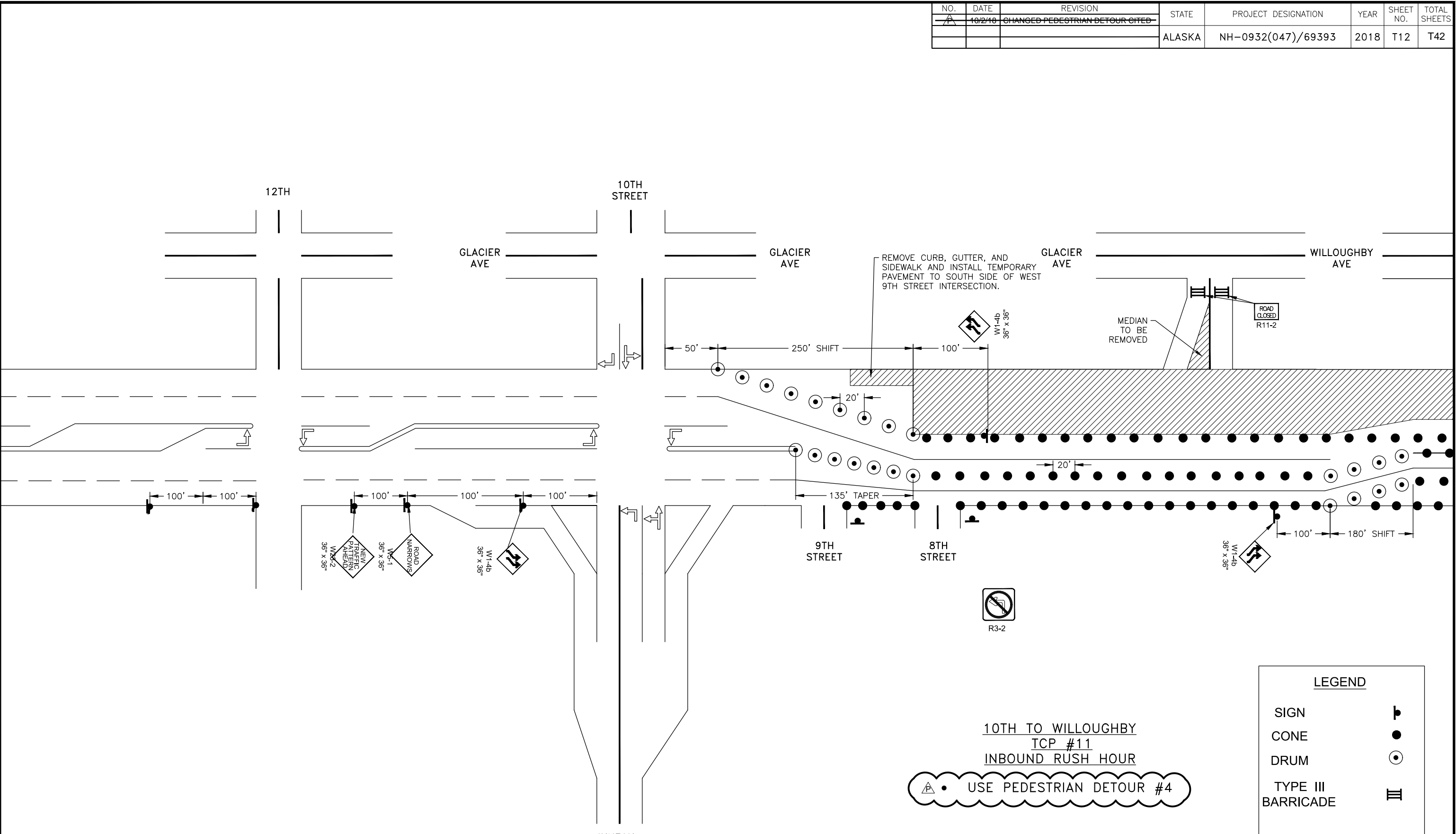
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST

SEGMENT 2 – TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	CHANGED PEDESTRIAN DETOUR CITED	ALASKA	NH-0932(047)/69393	2018	T12	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T12 DESIGNED BP CHECKED CT DRAFTED JT



10TH TO WILLOUGHBY
TCP #11
INBOUND RUSH HOUR
USE PEDESTRIAN DETOUR #4

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

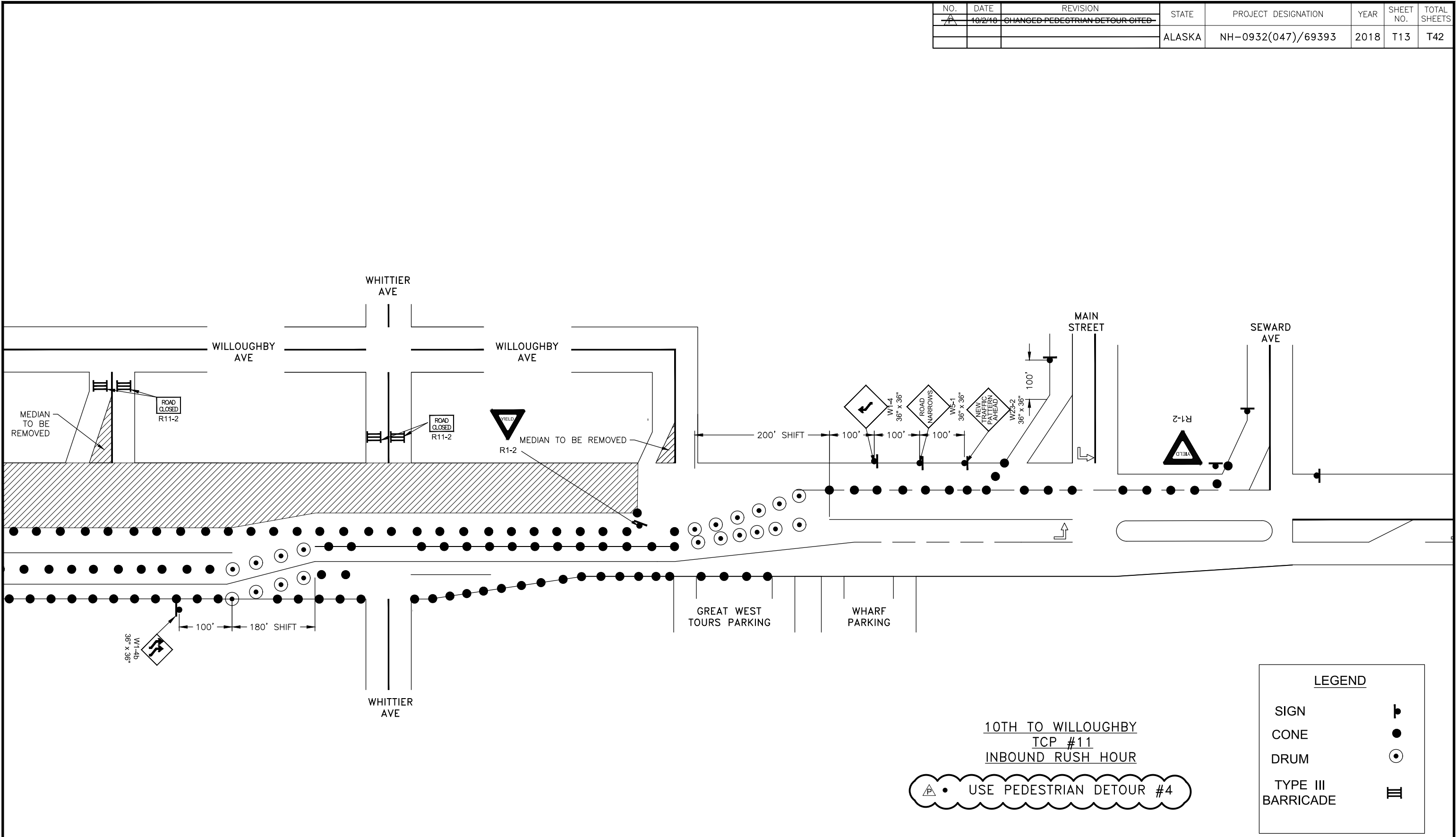
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

SEGMENT 2 – TRAFFIC CONTROL PLAN

JUNEAU-DOUGLAS BRIDGE

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	CHANGED PEDESTRIAN DETOUR CITED	ALASKA	NH-0932(047)/69393	2018	T13	T42

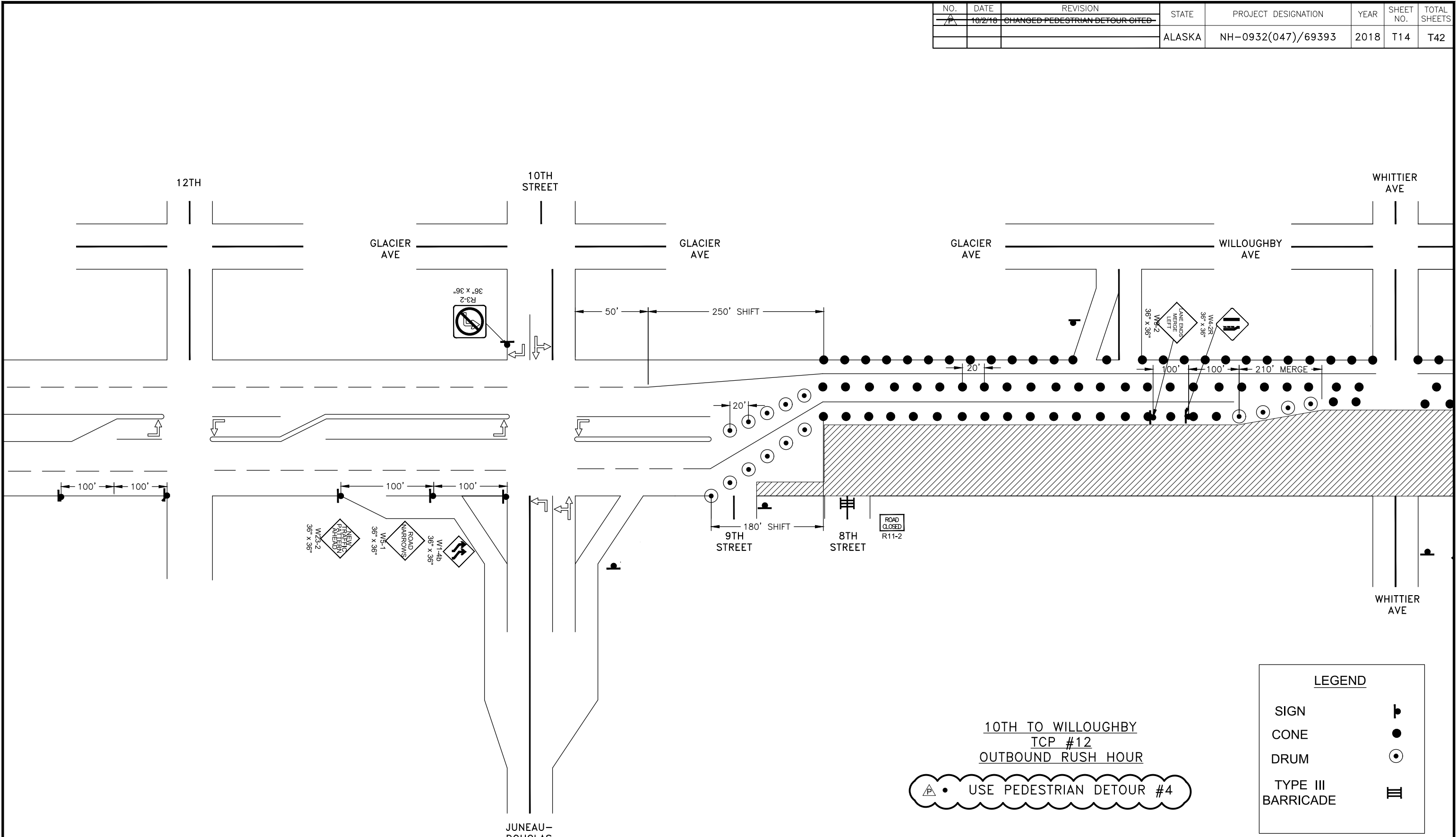
FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg
 DATE 10/3/2018 9:42 LAYOUT T13
 DESIGNED BP
 CHECKED CT
 DRAFTED JT



<p style="font-size: small; margin: 0;"> TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012. </p>	<p style="font-size: x-small; margin: 0;">STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p style="font-weight: bold; margin: 0;">EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST</p> <p style="font-weight: bold; margin: 0;">SEGMENT 2 – TRAFFIC CONTROL PLAN</p>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	CHANGED PEDESTRIAN DETOUR CITED	ALASKA	NH-0932(047)/69393	2018	T14	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg
 DATE 10/5/2018 9:42 LAYOUT T14 DESIGNED BP CHECKED CT DRAFTED JT



10TH TO WILLOUGHBY
TCP #12
OUTBOUND RUSH HOUR

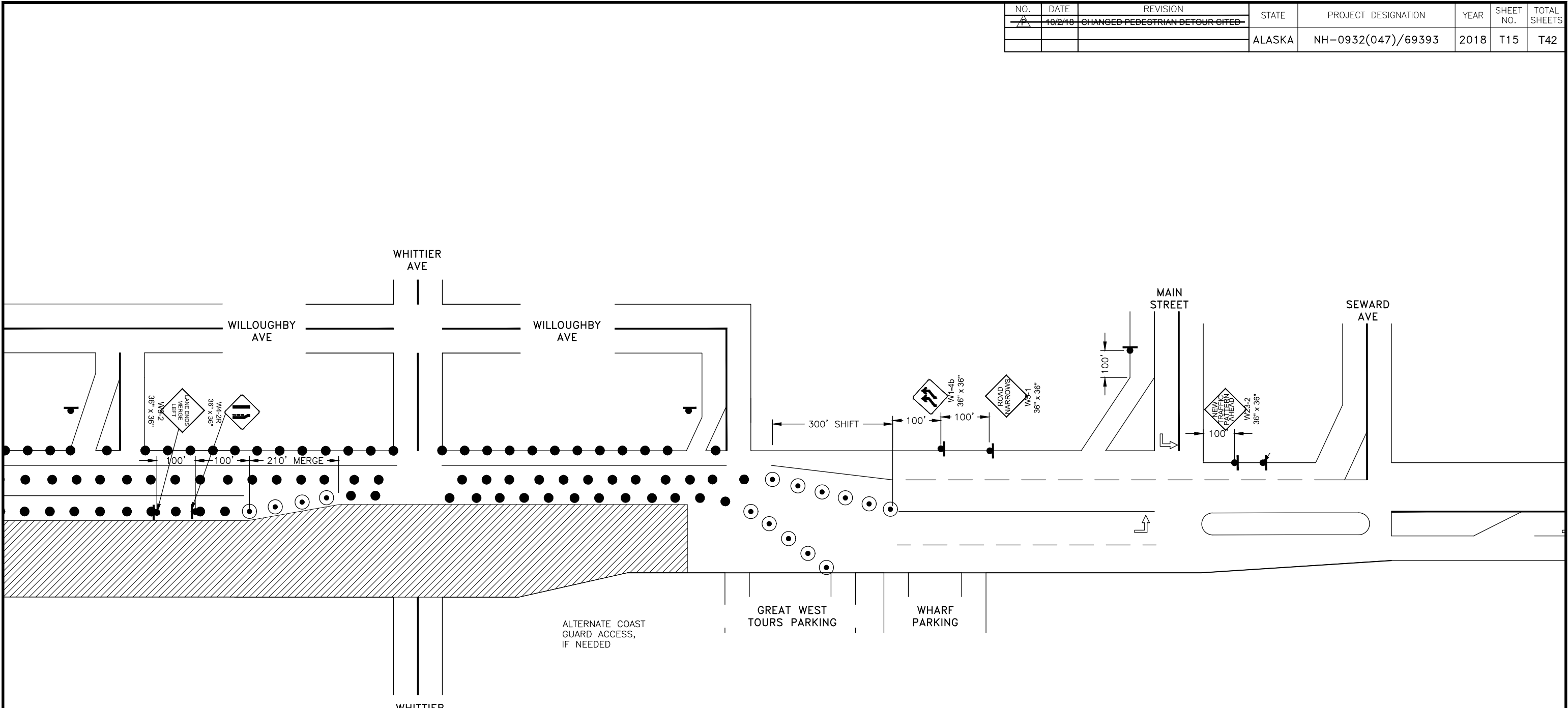
USE PEDESTRIAN DETOUR #4

LEGEND	
SIGN	▴
CONE	●
DRUM	⊙
TYPE III BARRICADE	▬

TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST SEGMENT 2 – TRAFFIC CONTROL PLAN
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	CHANGED PEDESTRIAN DETOUR CITED	ALASKA	NH-0932(047)/69393	2018	T15	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T15 DESIGNED BP CHECKED CT DRAFTED JT



10TH TO WILLOUGHBY
TCP #12
OUTBOUND RUSH HOUR
• USE PEDESTRIAN DETOUR #4

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

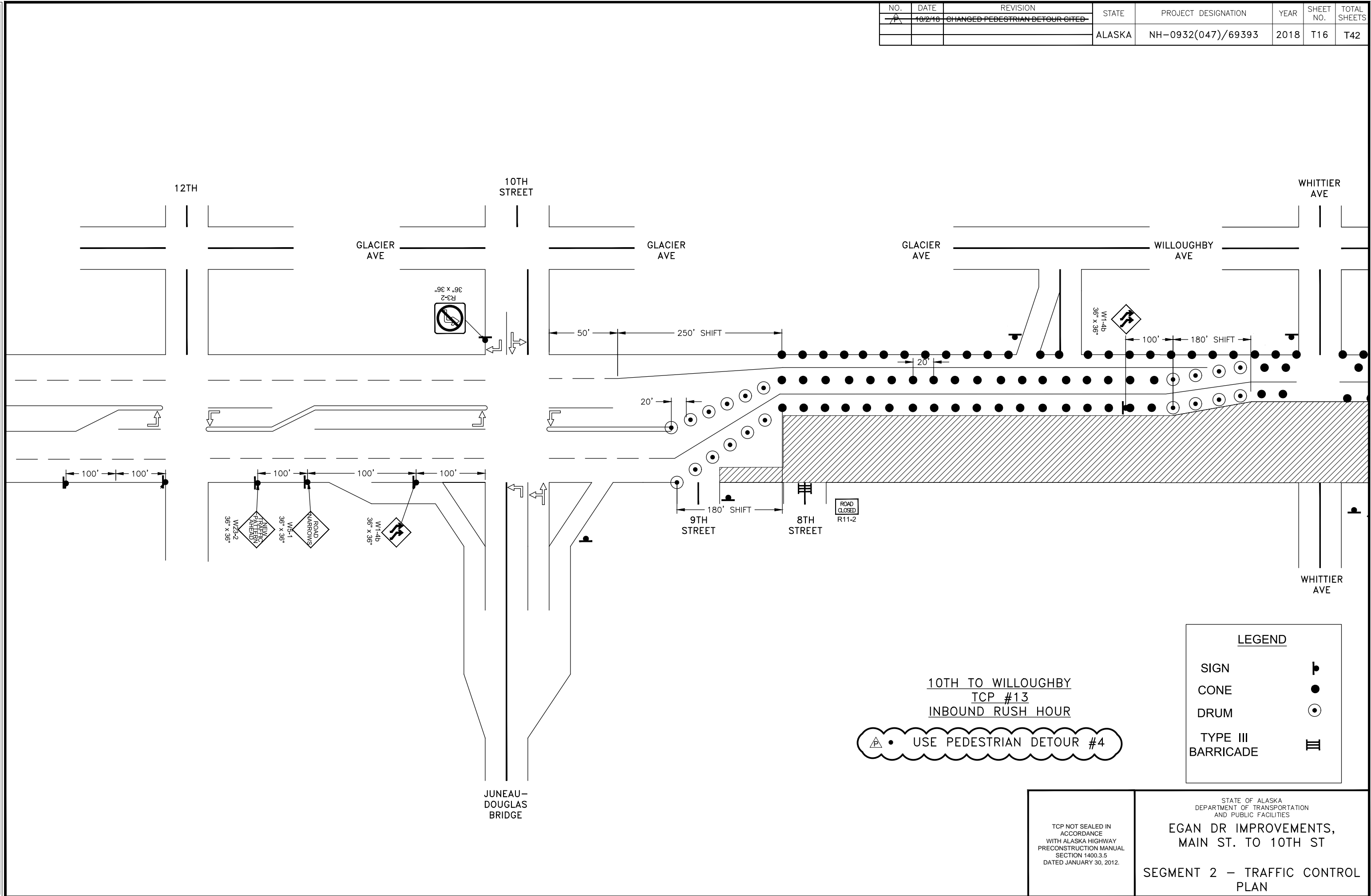
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

SEGMENT 2 – TRAFFIC CONTROL
PLAN

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

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	CHANGED PEDESTRIAN DETOUR CITED	ALASKA	NH-0932(047)/69393	2018	T16	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T16 DESIGNED BP CHECKED CT DRAFTED JT



10TH TO WILLOUGHBY
TCP #13
INBOUND RUSH HOUR

USE PEDESTRIAN DETOUR #4

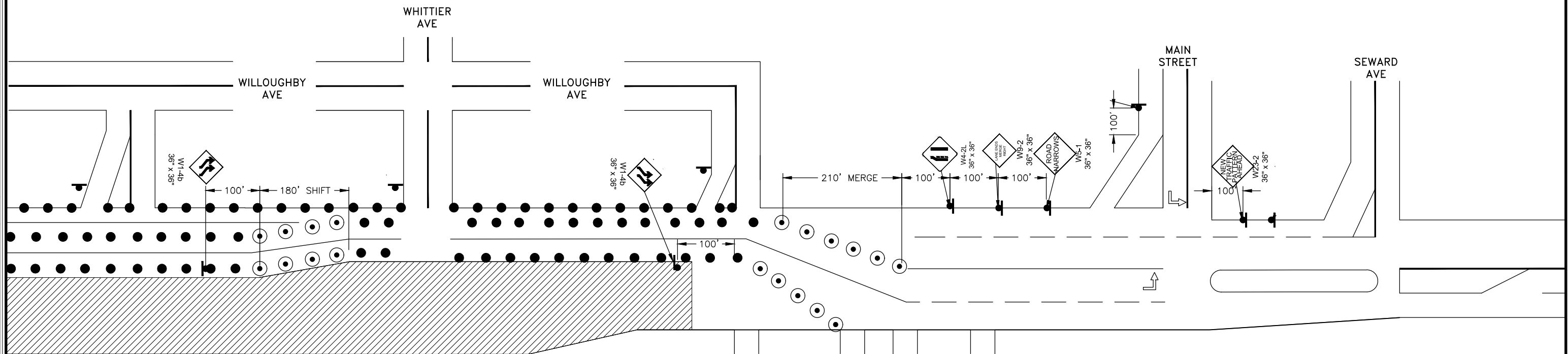
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST
SEGMENT 2 - TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
A	10/2/18	CHANGED PEDESTRIAN DETOUR CITED	ALASKA	NH-0932(047)/69393	2018	T17	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T17 DESIGNED BP CHECKED CT DRAFTED JT



10TH TO WILLOUGHBY
TCP #13
INBOUND RUSH HOUR

USE PEDESTRIAN DETOUR #4

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

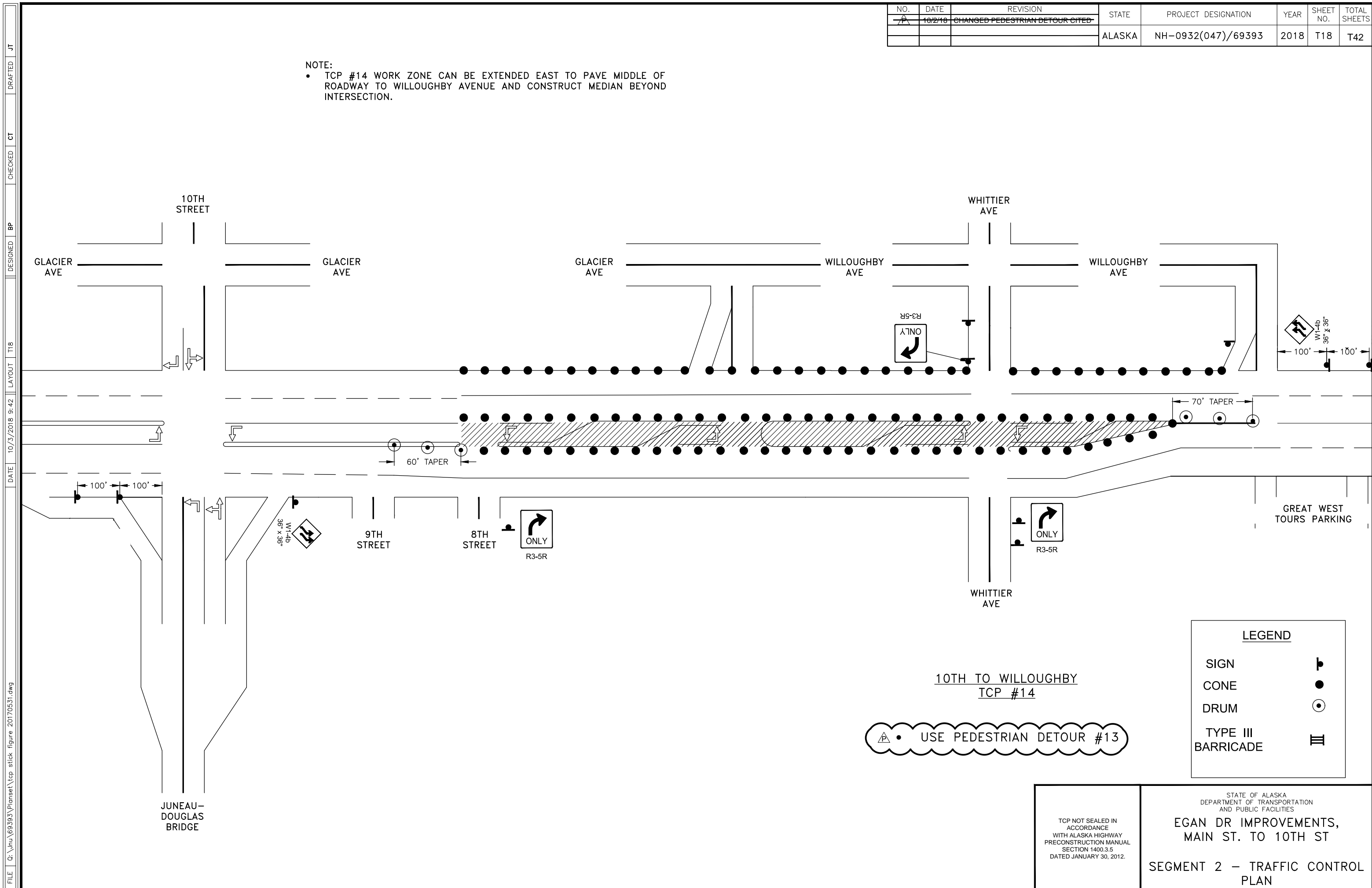
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

SEGMENT 2 – TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7A	10/2/18	CHANGED PEDESTRIAN DETOUR CITED	ALASKA	NH-0932(047)/69393	2018	T18	T42

NOTE:
 • TCP #14 WORK ZONE CAN BE EXTENDED EAST TO PAVE MIDDLE OF ROADWAY TO WILLOUGHBY AVENUE AND CONSTRUCT MEDIAN BEYOND INTERSECTION.



10TH TO WILLOUGHBY
 TCP #14

USE PEDESTRIAN DETOUR #13

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST

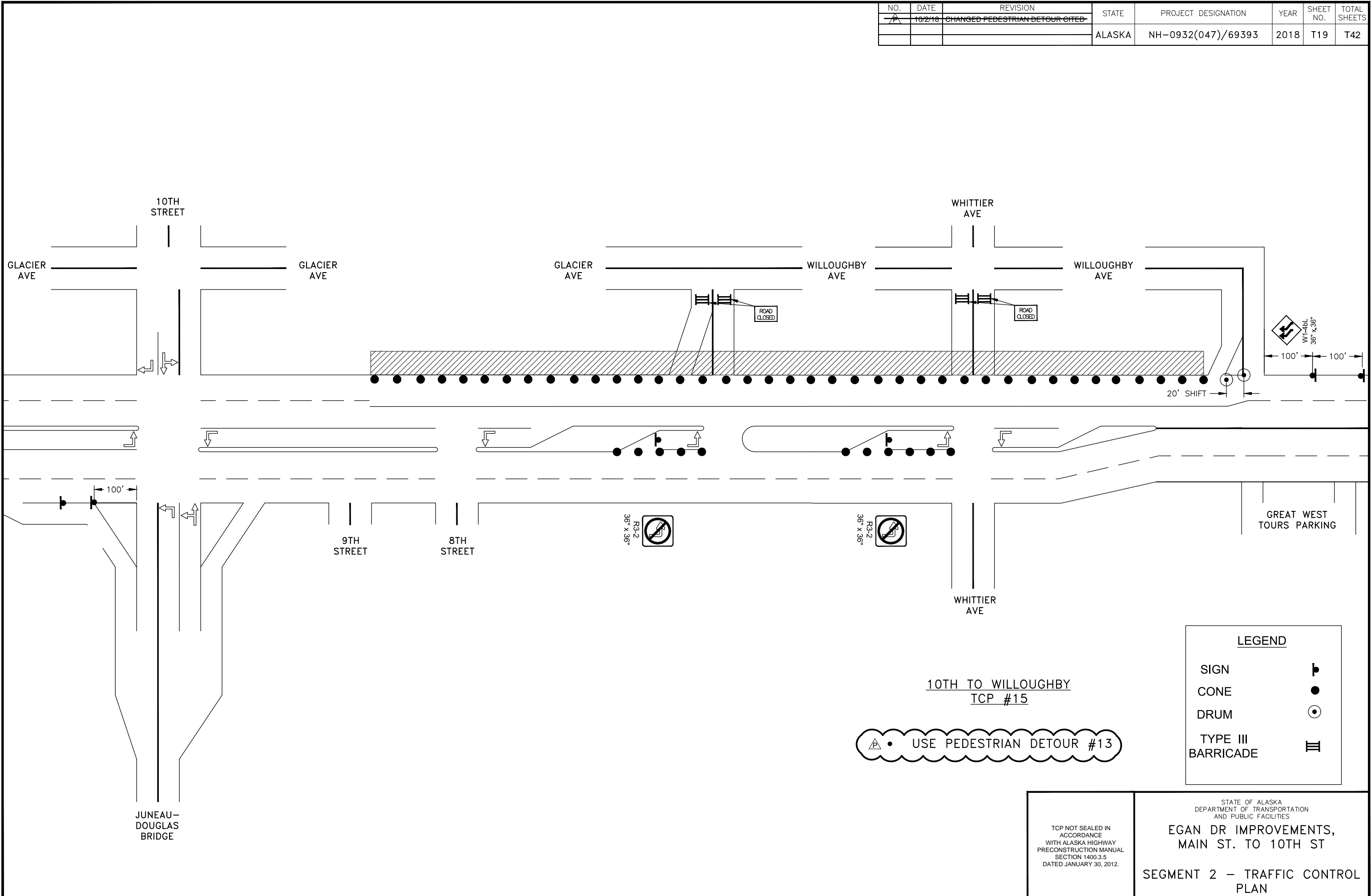
SEGMENT 2 – TRAFFIC CONTROL
 PLAN

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

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg
 DATE 10/5/2018 9:42 LAYOUT T18 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	CHANGED PEDESTRIAN DETOUR CITED	ALASKA	NH-0932(047)/69393	2018	T19	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T19 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND

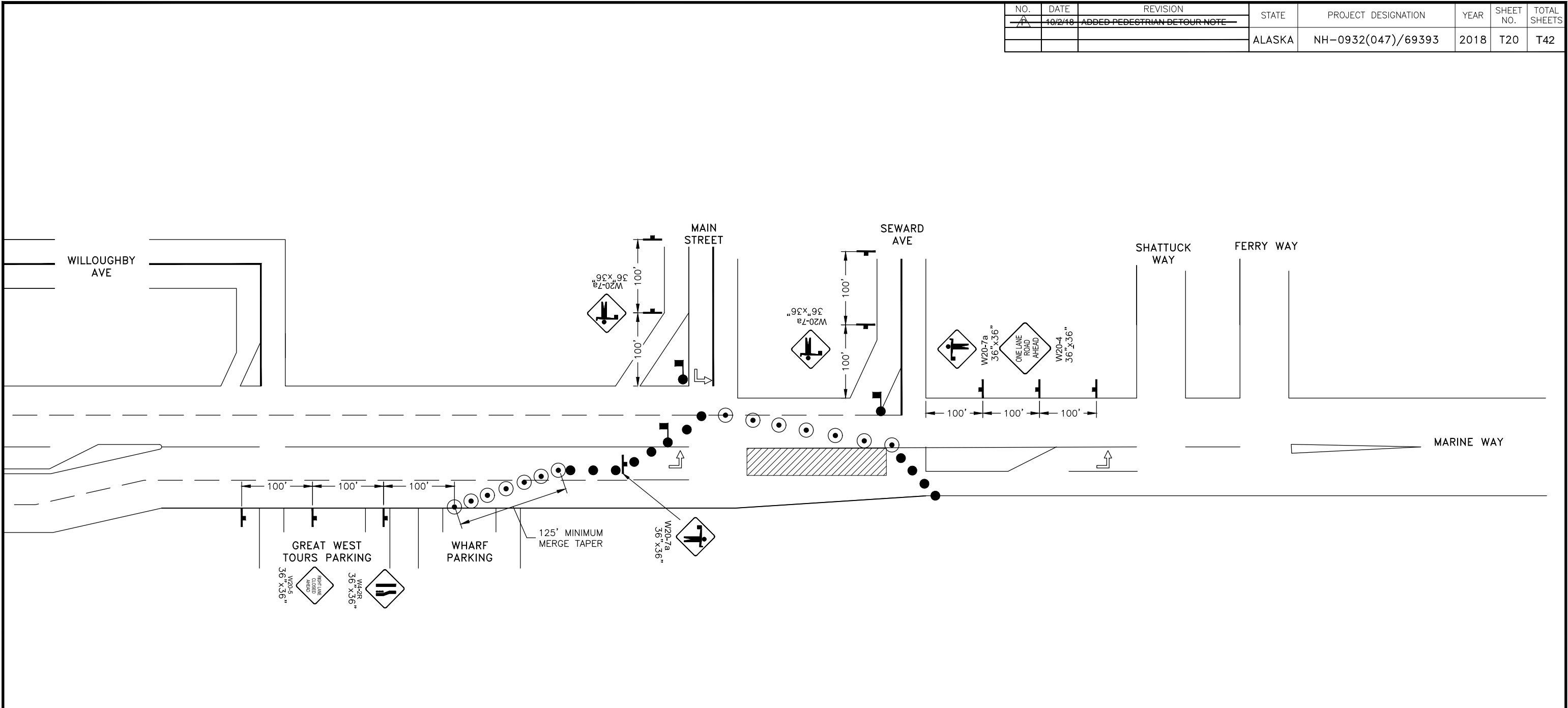
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
SEGMENT 2 – TRAFFIC CONTROL PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	ADDED PEDESTRIAN DETOUR NOTE	ALASKA	NH-0932(047)/69393	2018	T20	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 10/3/2018 9:42 LAYOUT T20 DESIGNED BP CHECKED CT DRAFTED JT



WILLOUGHBY TO SEWARD
TCP #16

PEDESTRIAN DETOUR(S) NOT SHOWN.
IF NEEDED, CONTRACTOR SHALL SHOW
THEM ON THEIR TCP TO BE APPROVED.

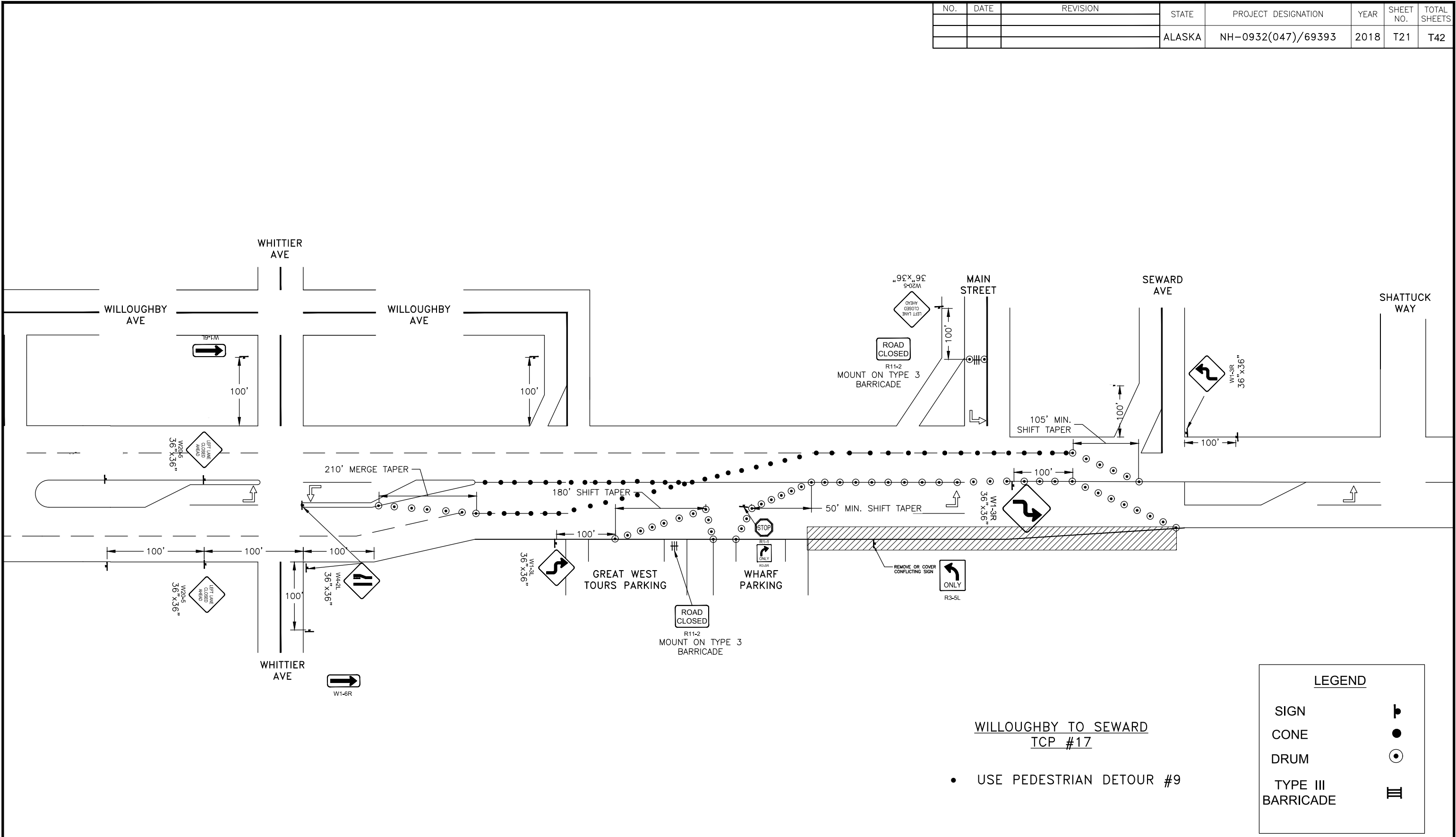
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	
FLAGGER	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
SEGMENT 3 – TRAFFIC CONTROL
PLAN

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T21	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/3/2018 9:42 LAYOUT T21 DESIGNED BP CHECKED CT DRAFTED JT



WILLOUGHBY TO SEWARD
TCP #17

- USE PEDESTRIAN DETOUR #9

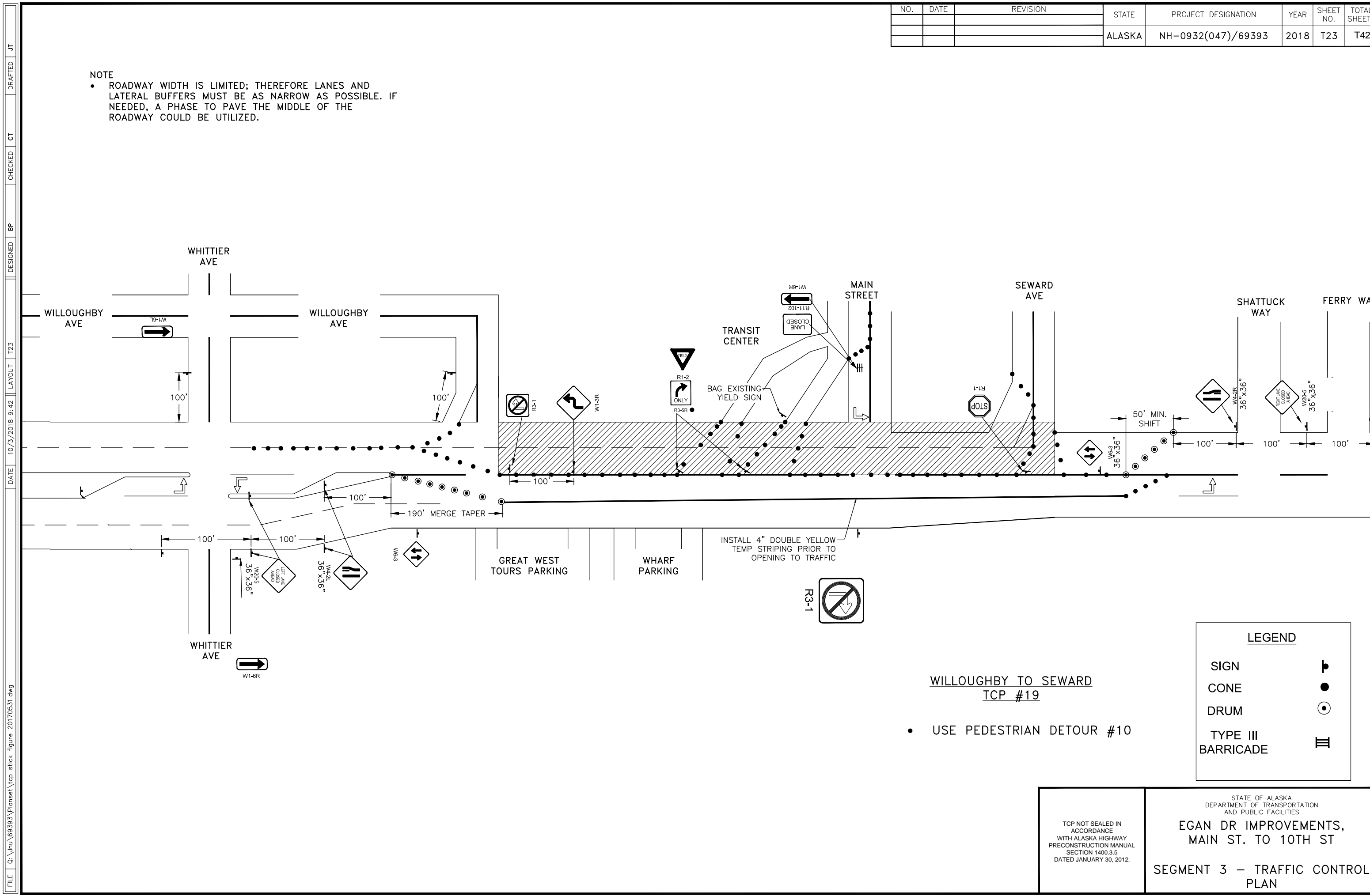
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

<p>TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.</p>	<p>STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES</p> <p>EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST</p> <p>SEGMENT 3 – TRAFFIC CONTROL PLAN</p>
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T23	T42

NOTE

- ROADWAY WIDTH IS LIMITED; THEREFORE LANES AND LATERAL BUFFERS MUST BE AS NARROW AS POSSIBLE. IF NEEDED, A PHASE TO PAVE THE MIDDLE OF THE ROADWAY COULD BE UTILIZED.



LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

WILLOUGHBY TO SEWARD
TCP #19

- USE PEDESTRIAN DETOUR #10

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

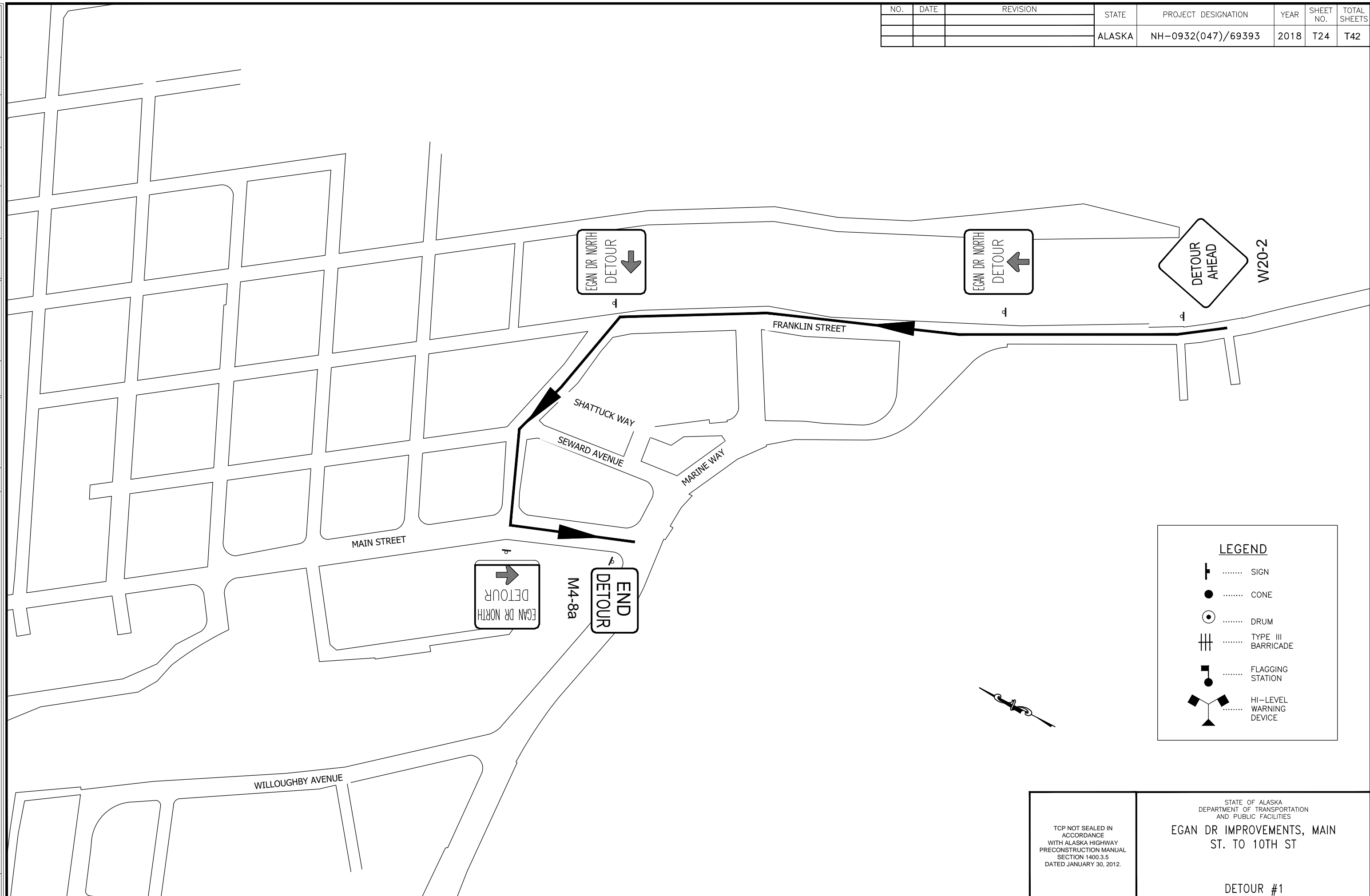
EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST

SEGMENT 3 – TRAFFIC CONTROL PLAN

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T23 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T24	T42

FILE Q:\nu\69393\Planset\69393 detour plans with signs.dwg DATE 10/3/2018 9:19 LAYOUT T24 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE

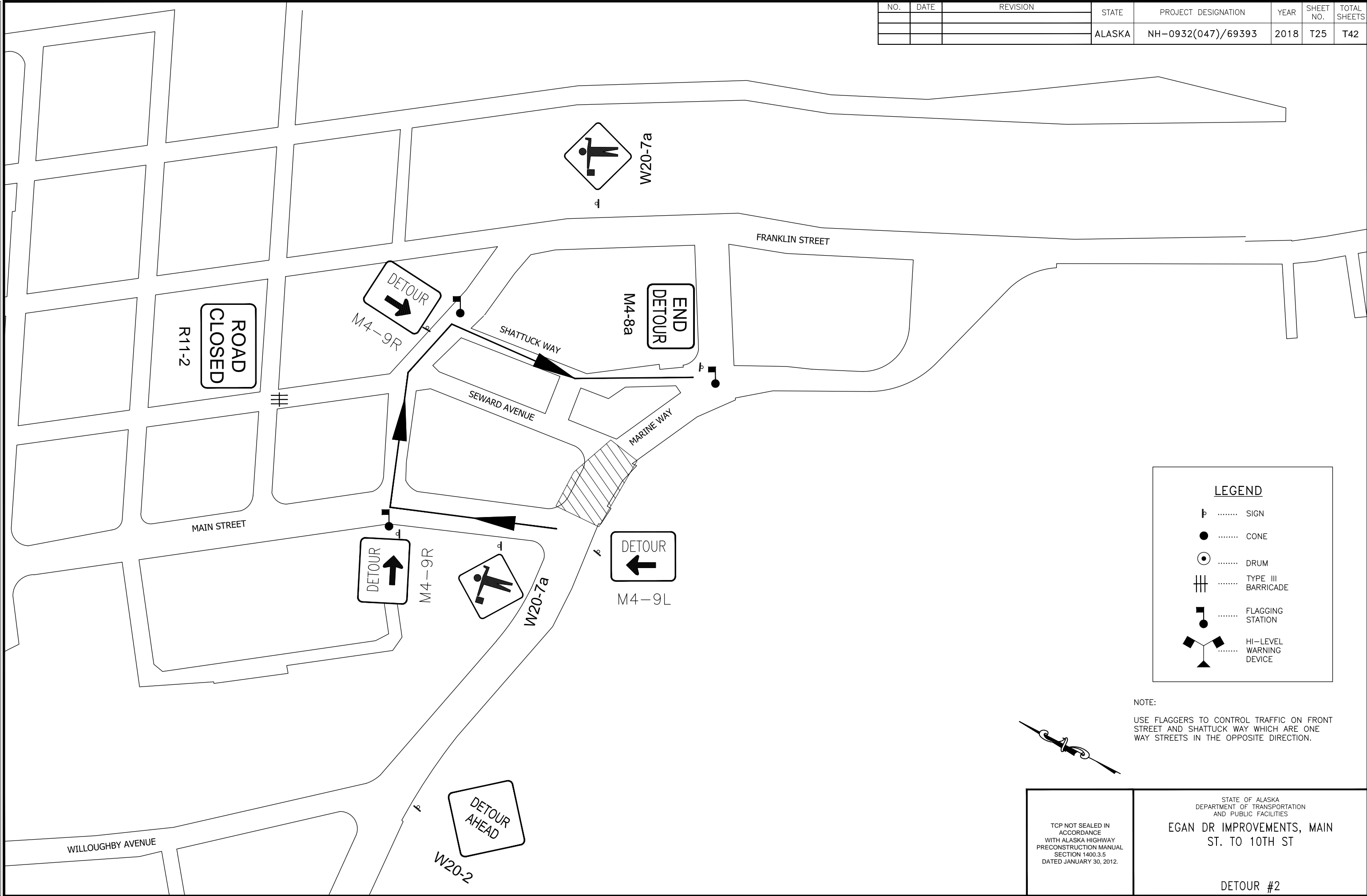
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST

DETOUR #1

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T25	T42

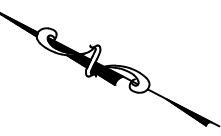
FILE Q:\Inu\69393\Planset\69393 detour plans with signs.dwg DATE 10/3/2018 9:19 LAYOUT T25 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE

NOTE:
USE FLAGGERS TO CONTROL TRAFFIC ON FRONT STREET AND SHATTUCK WAY WHICH ARE ONE WAY STREETS IN THE OPPOSITE DIRECTION.



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

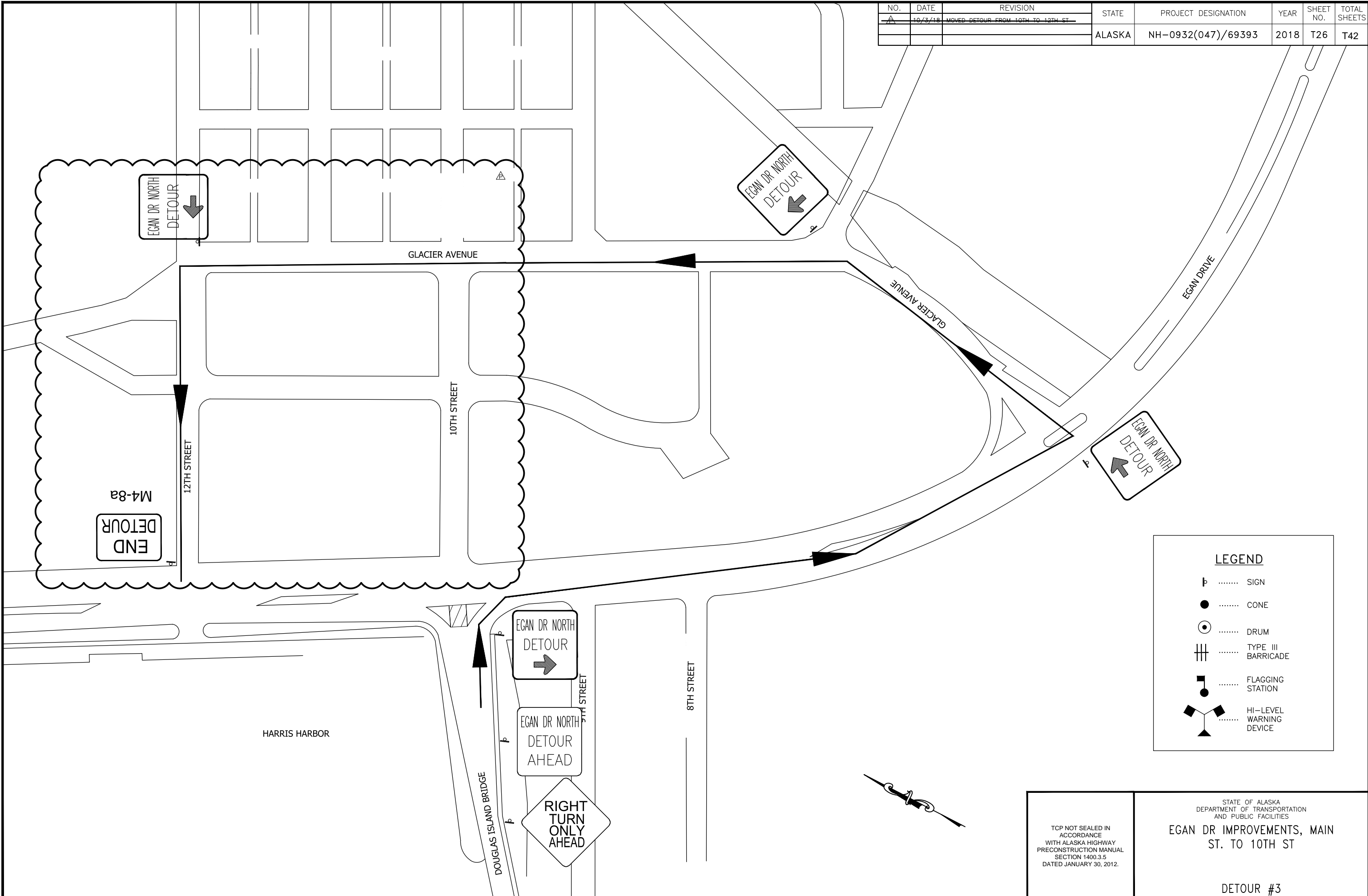
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST

DETOUR #2

FILE Q:\nu\69393\Planset\69393 detour plans with signs.dwg

DATE 10/3/2018 12:35 LAYOUT T26 DESIGNED BP CHECKED CT DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
A	10/3/18	MOVED DETOUR FROM 10TH TO 12TH ST	ALASKA	NH-0932(047)/69393	2018	T26	T42



LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST

DETOUR #3

FILE Q:\nu\69393\Planset\69393 detour plans with signs.dwg

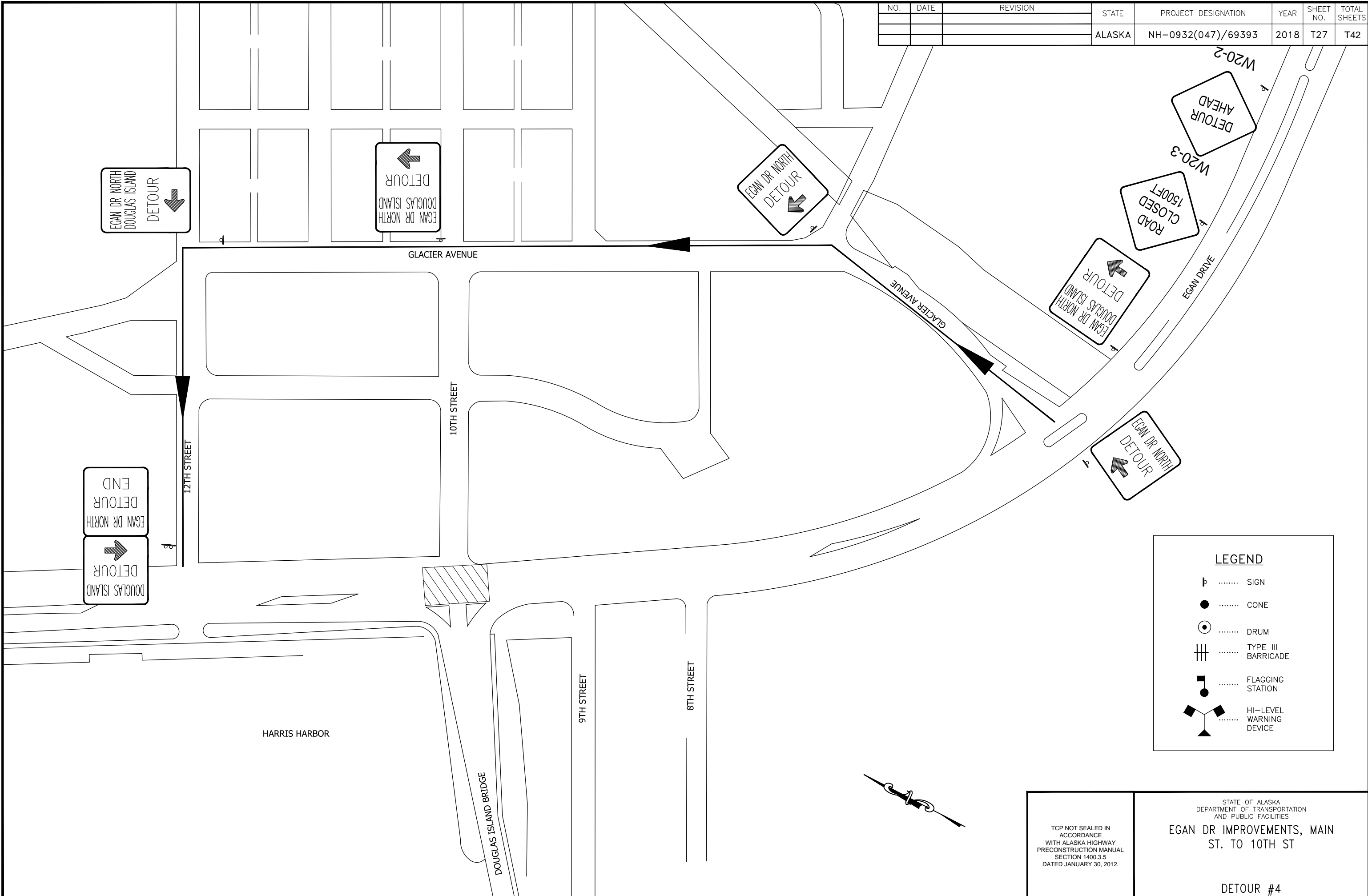
DATE 10/3/2018 9:19 LAYOUT T27

DESIGNED BP

CHECKED CT

DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T27	T42



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

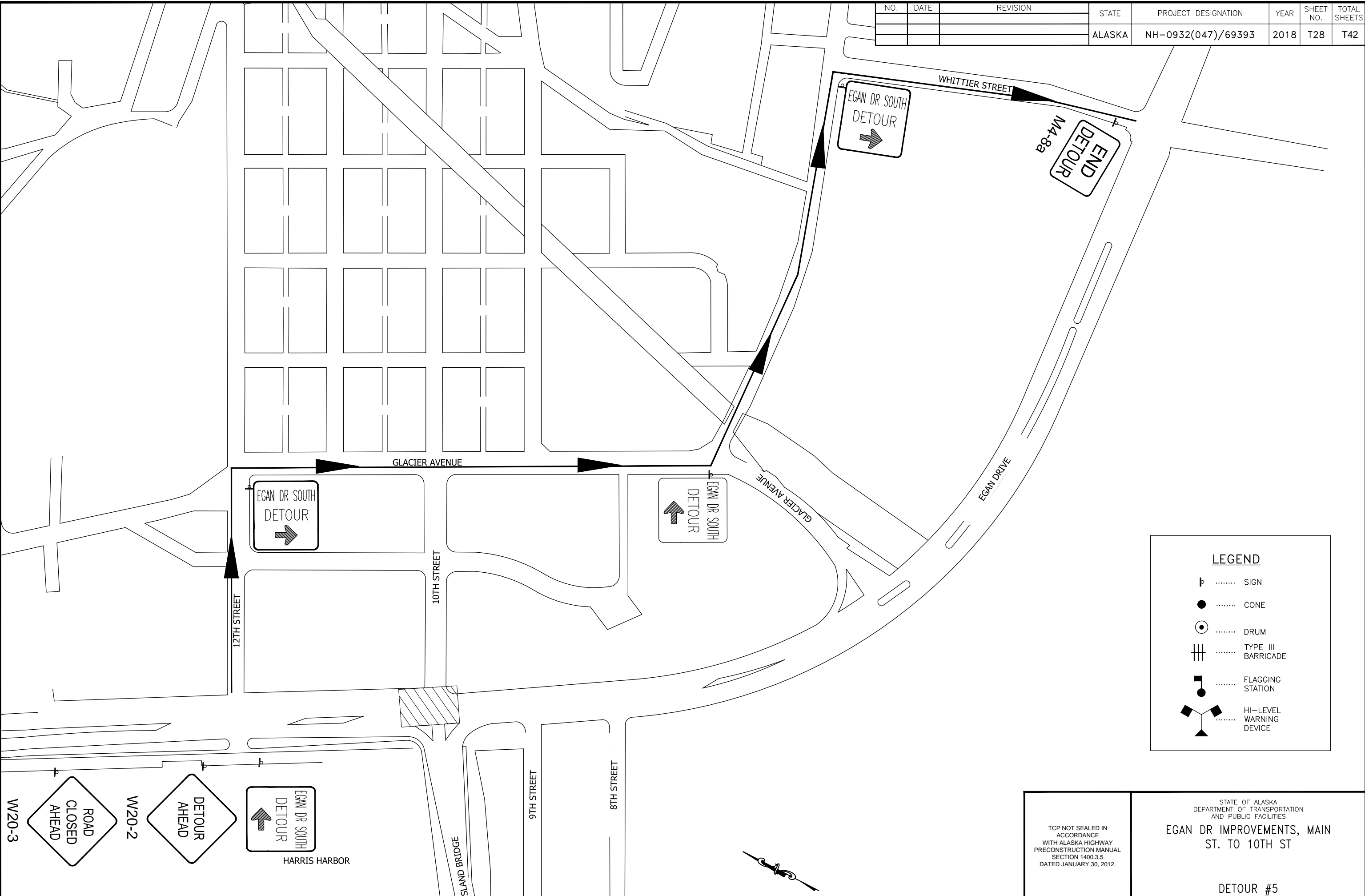
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST

DETOUR #4

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T28	T42

FILE Q:\Inu\69393\Plan\69393 detour plans with signs.dwg DATE 10/3/2018 9:19 LAYOUT T28 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE

W20-3

ROAD CLOSED AHEAD

W20-2

DETOUR AHEAD

EGAN DR SOUTH DETOUR

HARRIS HARBOR

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

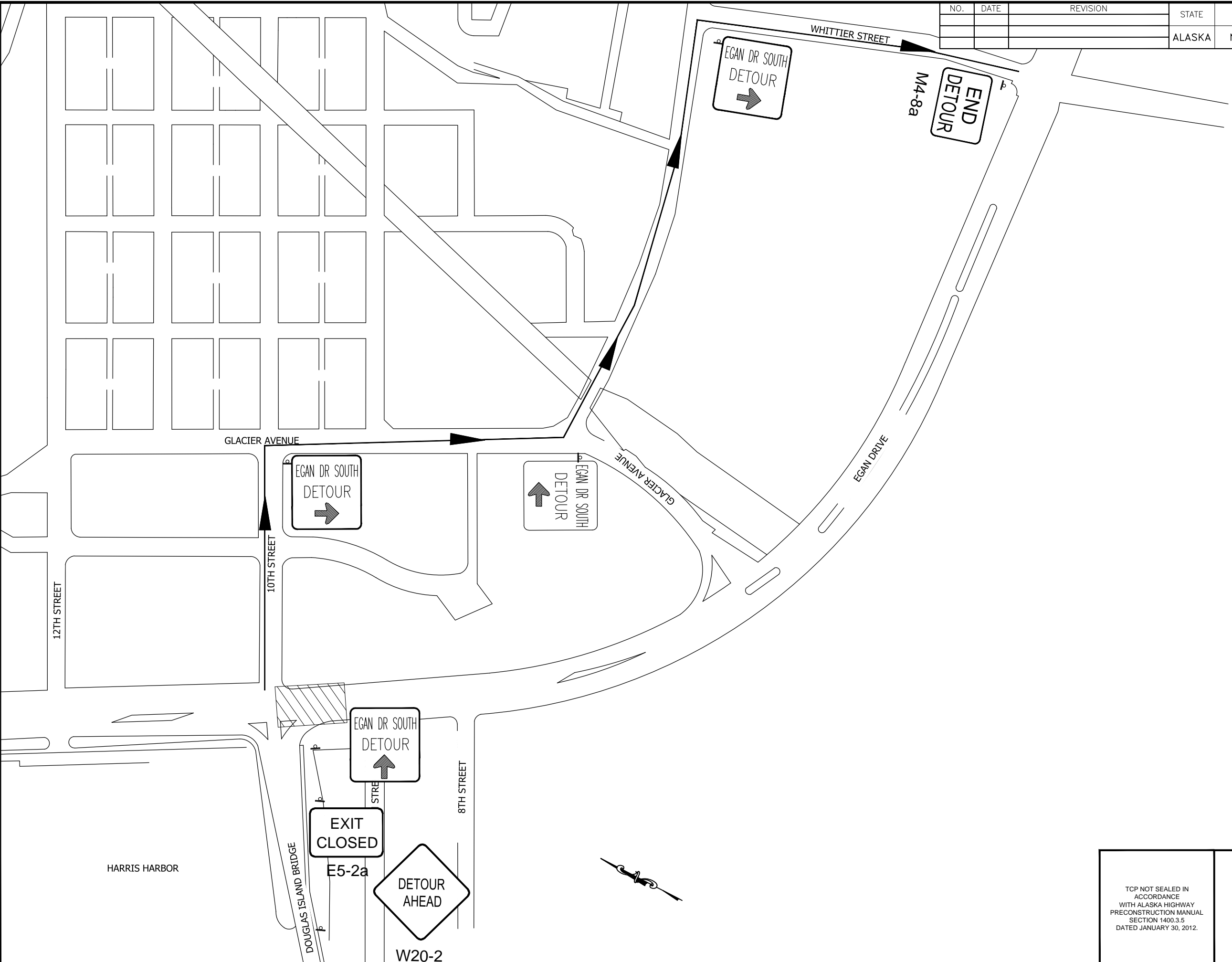
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST

DETOUR #5

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T29	T42

FILE Q:\nu\69393\Planset\69393 detour plans with signs.dwg DATE 10/5/2018 9:19 LAYOUT T29 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE

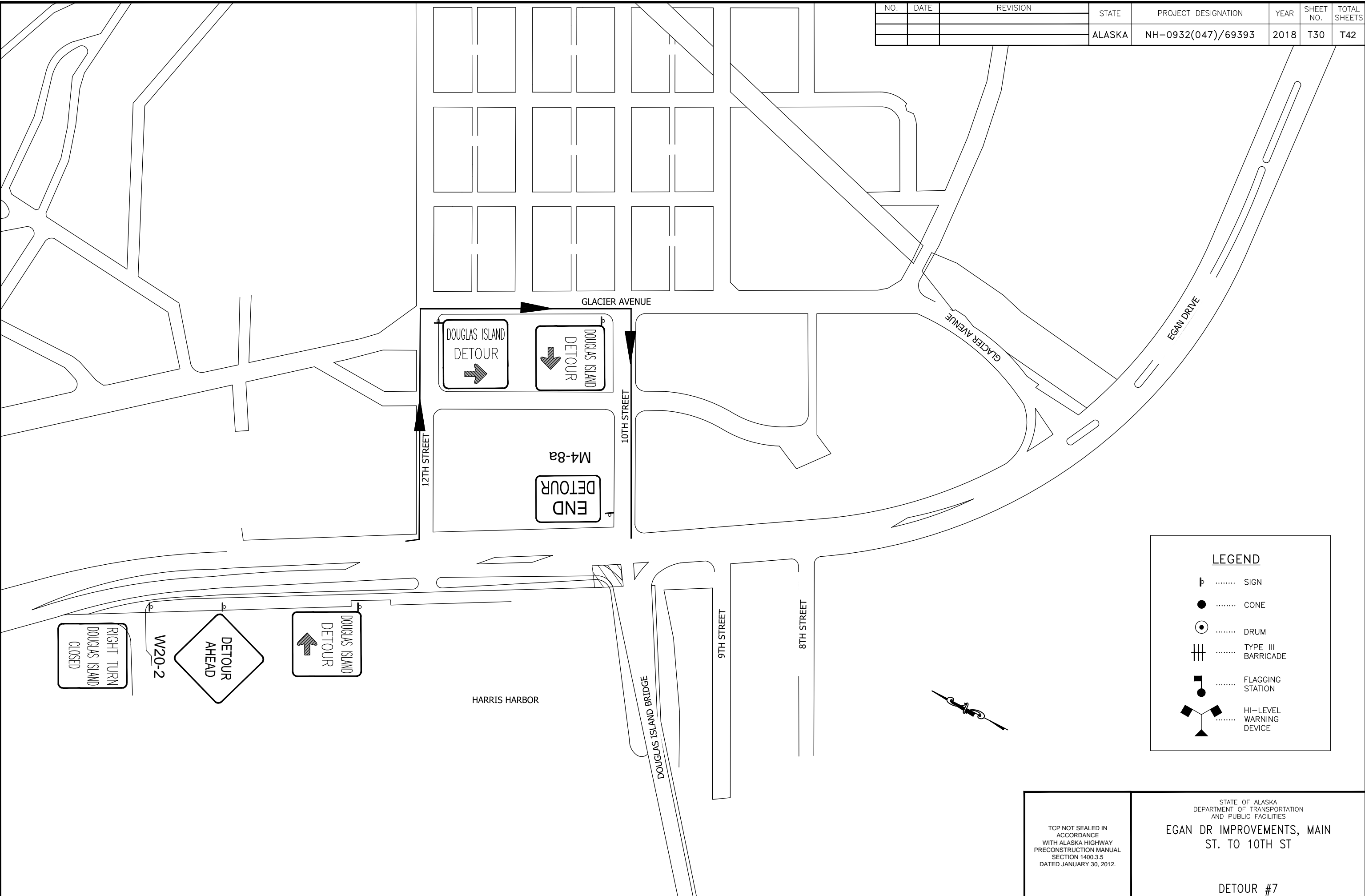
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST

DETOUR #6

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T30	T42

FILE Q:\nu\69393\Planset\69393 detour plans with signs.dwg DATE 10/5/2018 9:19 LAYOUT T30 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND

- SIGN
- CONE
- DRUM
- TYPE III BARRICADE
- FLAGGING STATION
- HI-LEVEL WARNING DEVICE

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

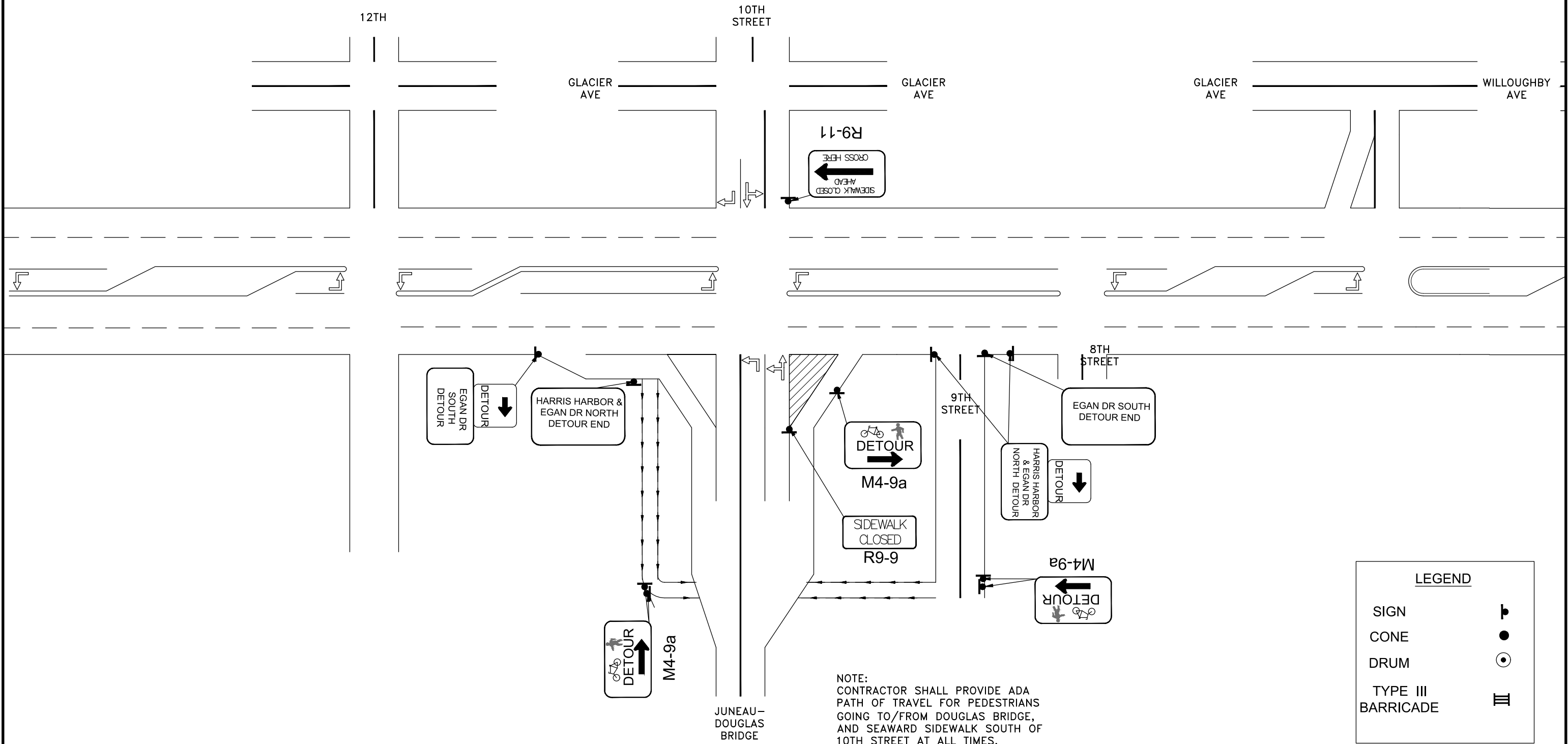
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

EGAN DR IMPROVEMENTS, MAIN ST. TO 10TH ST

DETOUR #7

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T31	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T31 DESIGNED BP CHECKED CT DRAFTED JT



NOTE:
CONTRACTOR SHALL PROVIDE ADA
PATH OF TRAVEL FOR PEDESTRIANS
GOING TO/FROM DOUGLAS BRIDGE,
AND SEAWARD SIDEWALK SOUTH OF
10TH STREET AT ALL TIMES.

LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

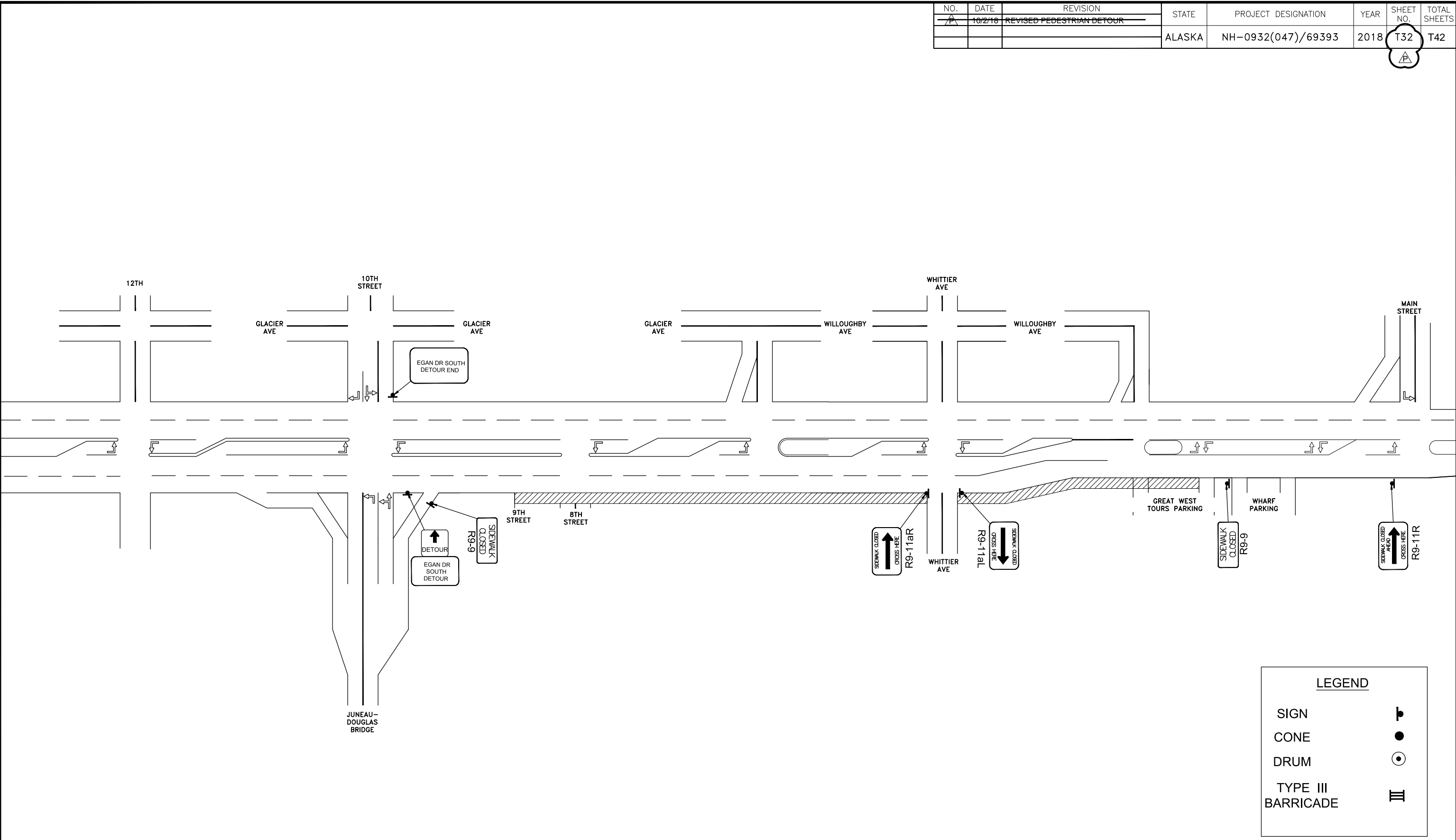
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

PEDESTRIAN DETOUR #1

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7A	10/2/18	REVISED PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T32	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T32 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

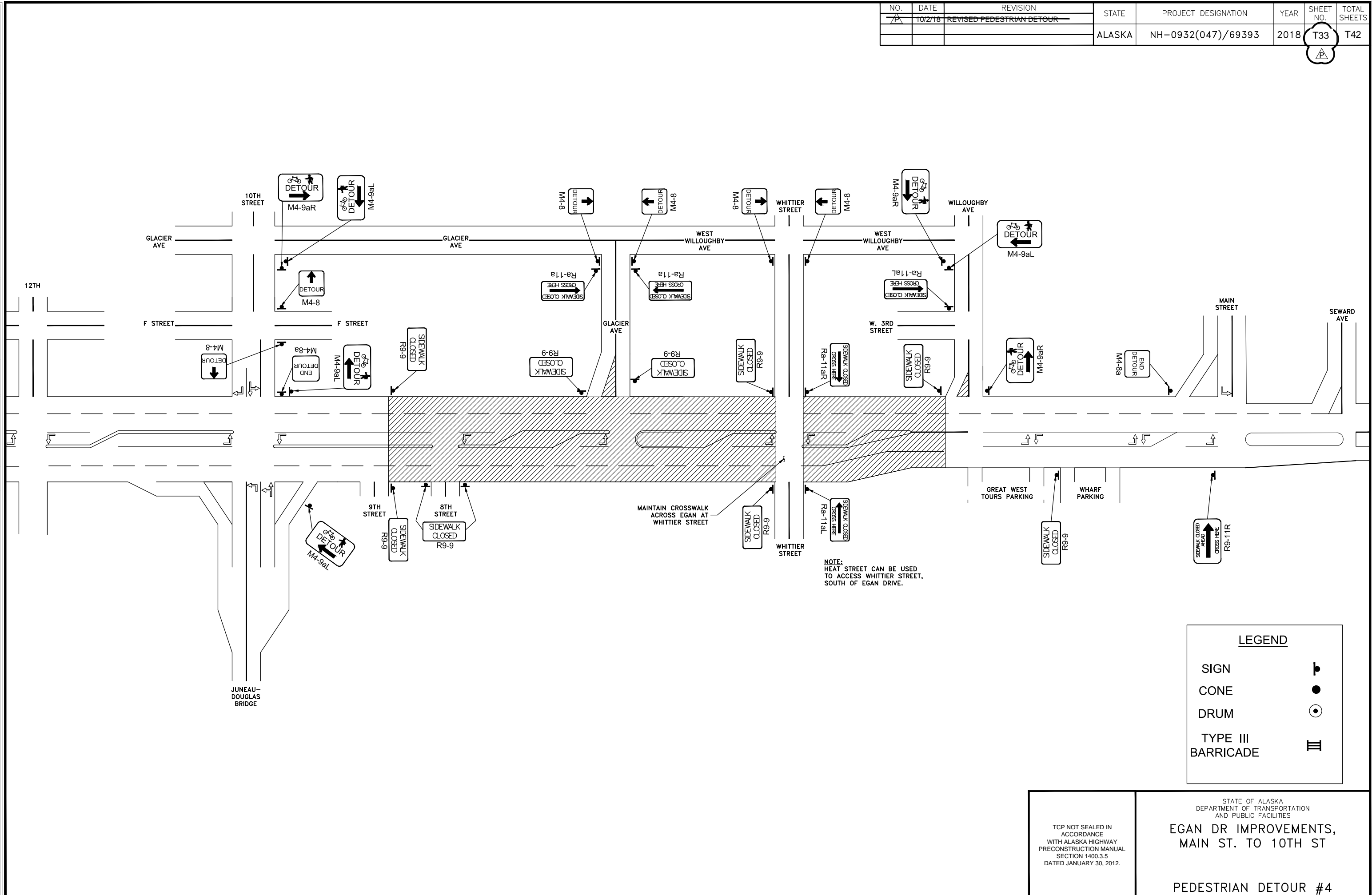
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

PEDESTRIAN DETOUR #2

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7A	10/2/18	REVISED PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T33	T42

FILE G:\nu\69393\PlanSet\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T34 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND

SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

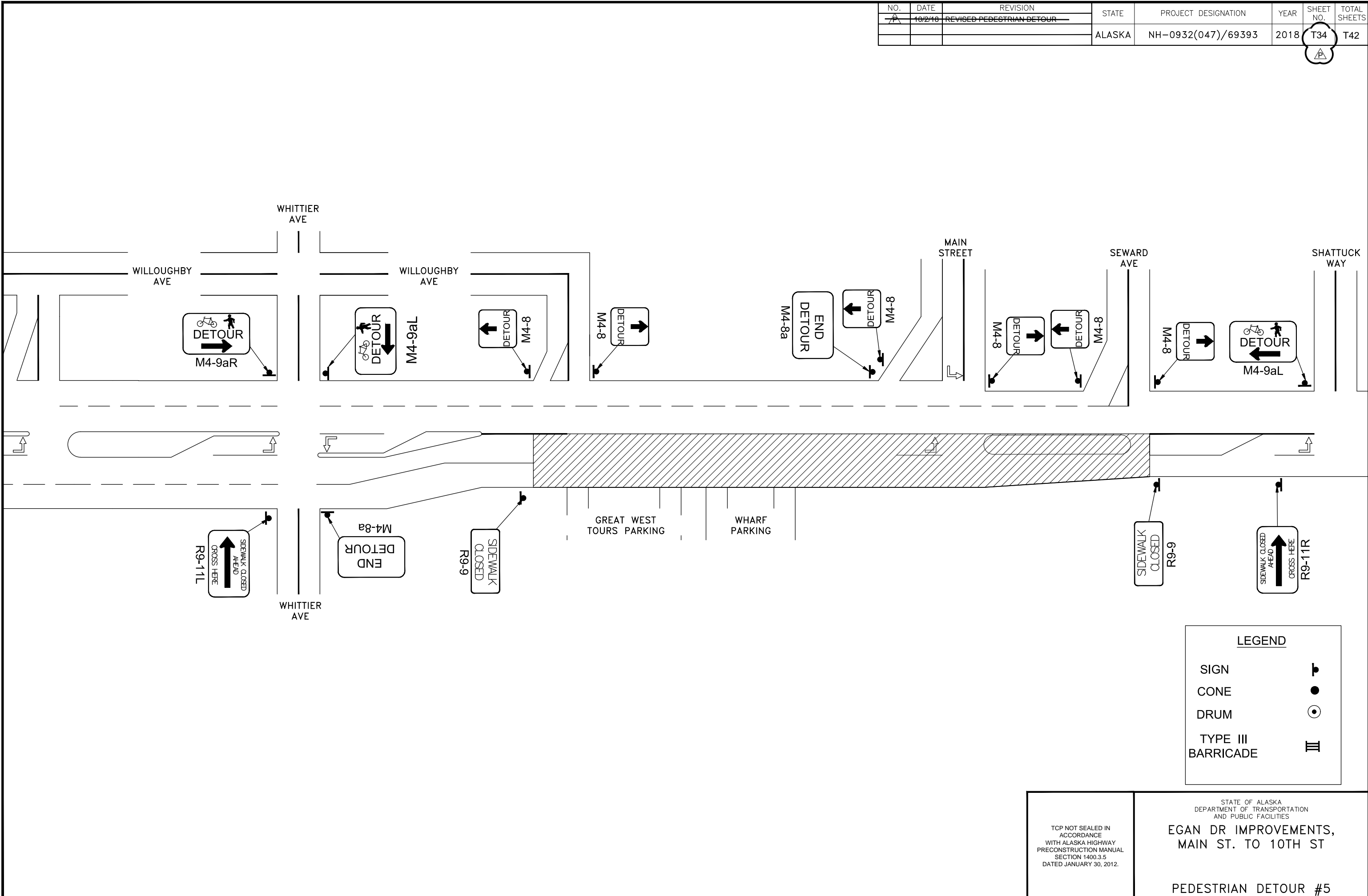
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

PEDESTRIAN DETOUR #4

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	REVISED PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T34	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T35 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

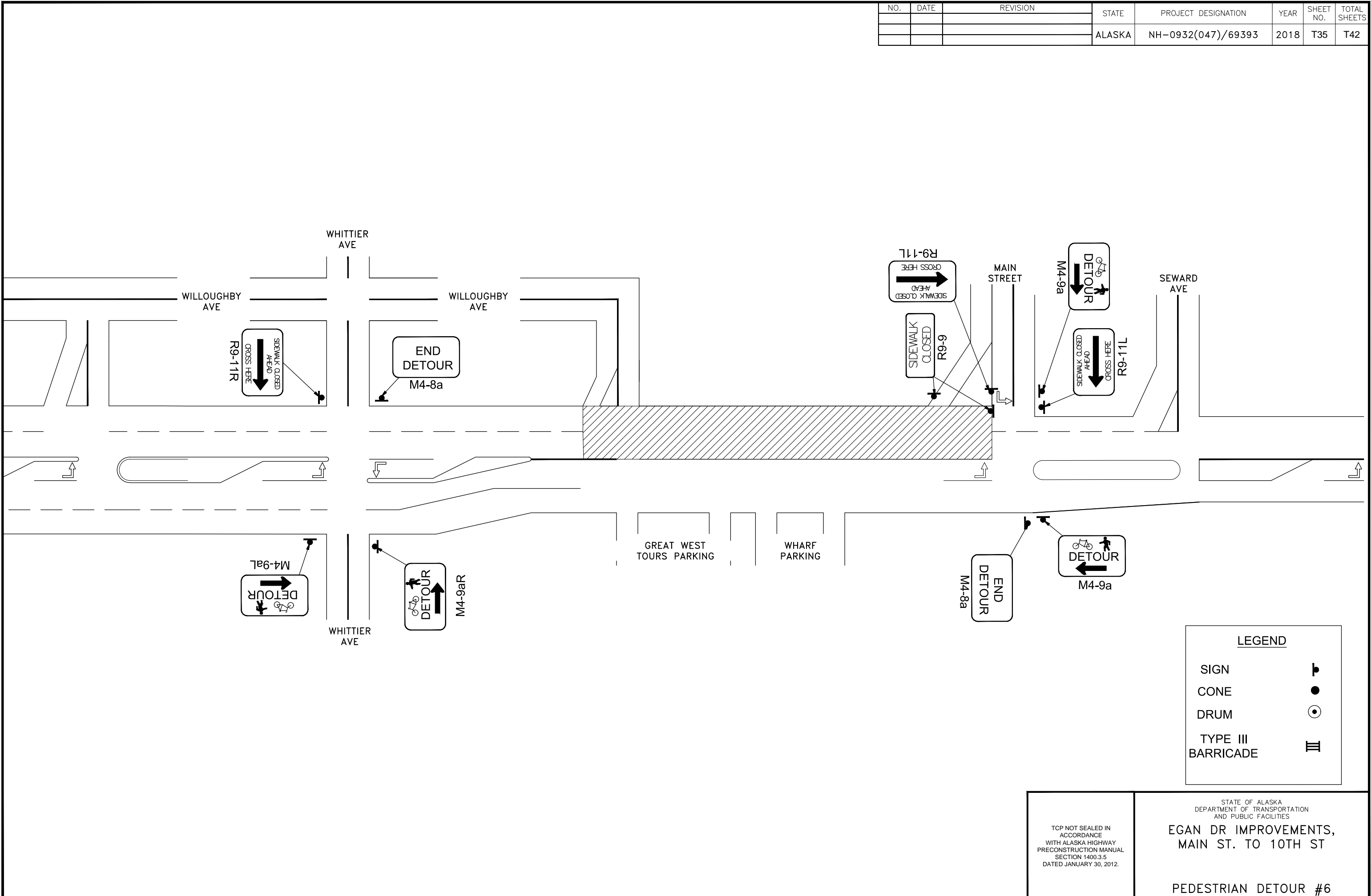
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

PEDESTRIAN DETOUR #5

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T35	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg
 DATE 10/5/2018 9:42 LAYOUT T36
 DESIGNED BP
 CHECKED CT
 DRAFTED JT



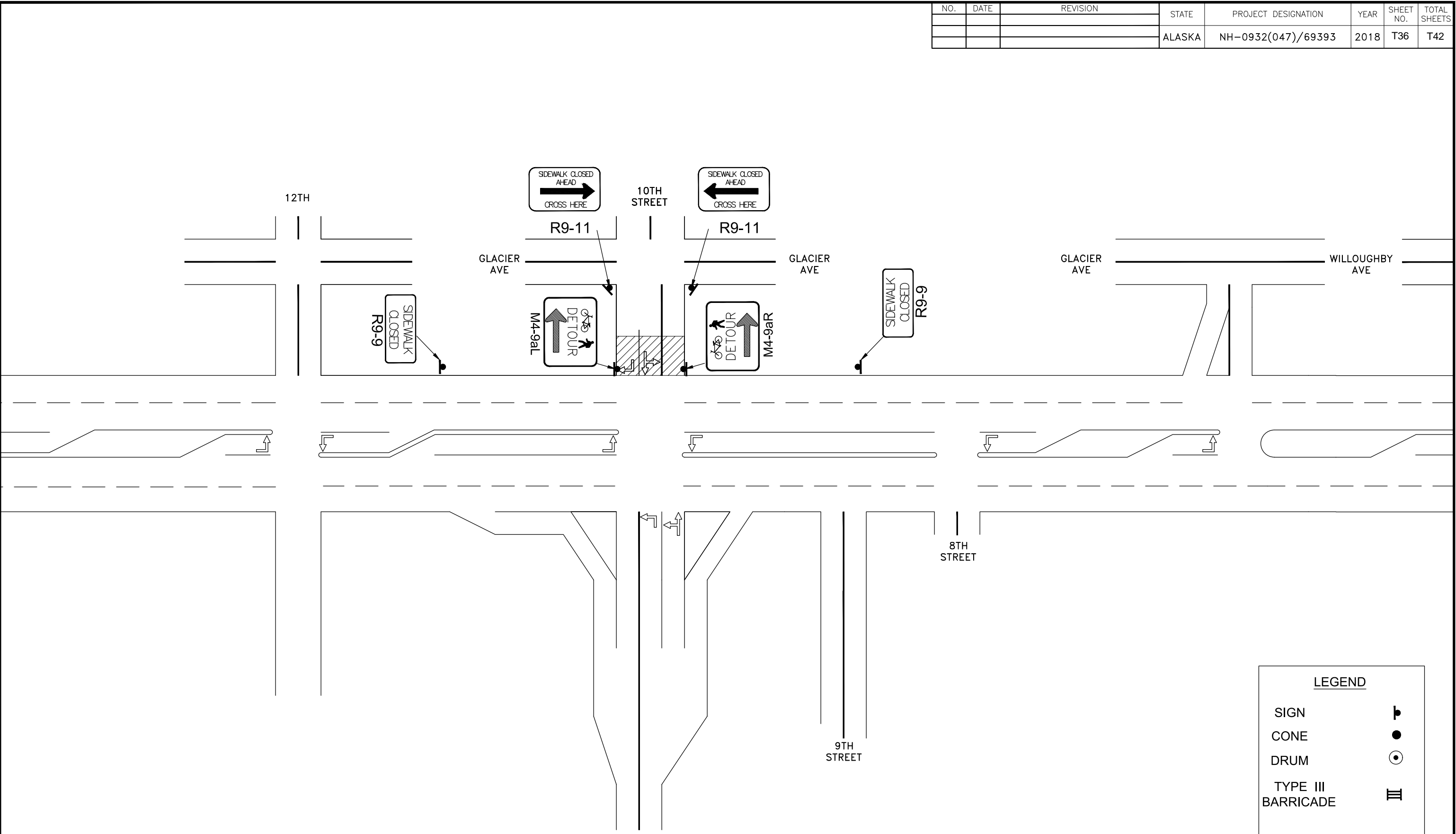
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
 MAIN ST. TO 10TH ST**
 PEDESTRIAN DETOUR #6

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	NH-0932(047)/69393	2018	T36	T42

FILE C:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T37 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

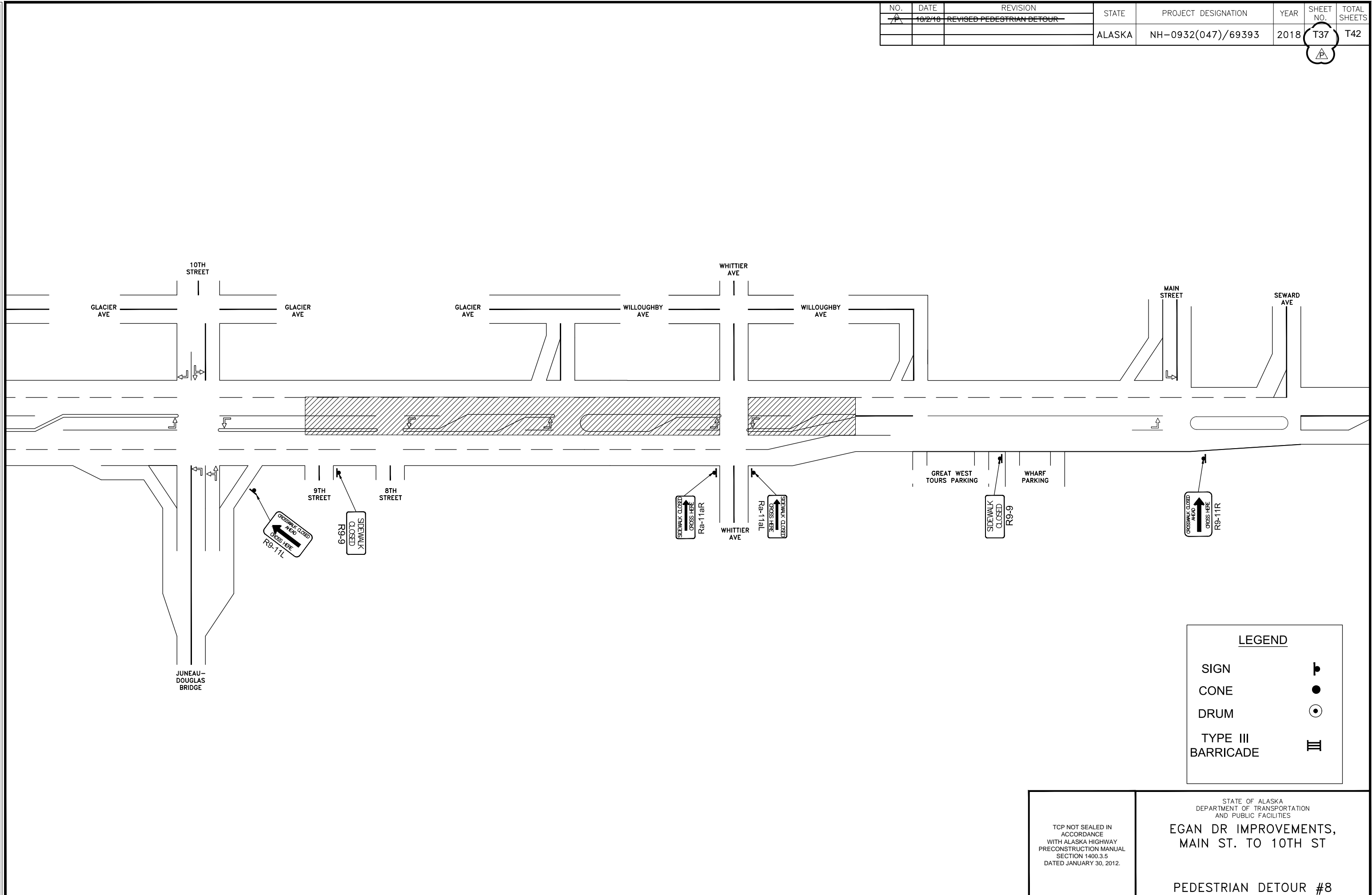
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

PEDESTRIAN DETOUR #7

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7	10/2/18	REVISED PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T37	T42

FILE G:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T38 DESIGNED BP CHECKED CT DRAFTED JT



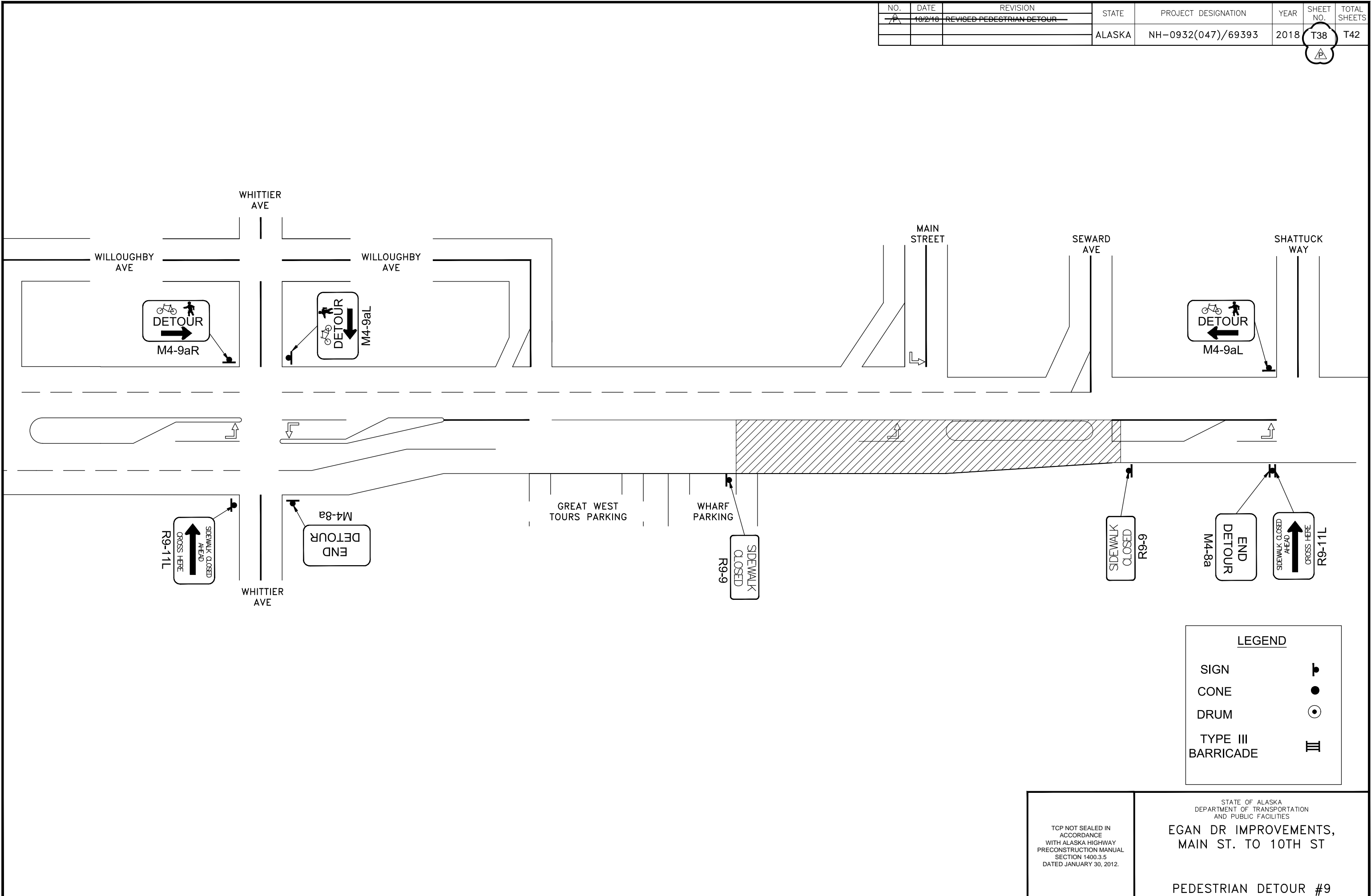
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
PEDESTRIAN DETOUR #8

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
7A	10/2/18	REVISED PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T38	T42

FILE C:\nu\69393\Plmset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T39 DESIGNED BP CHECKED CT DRAFTED JT



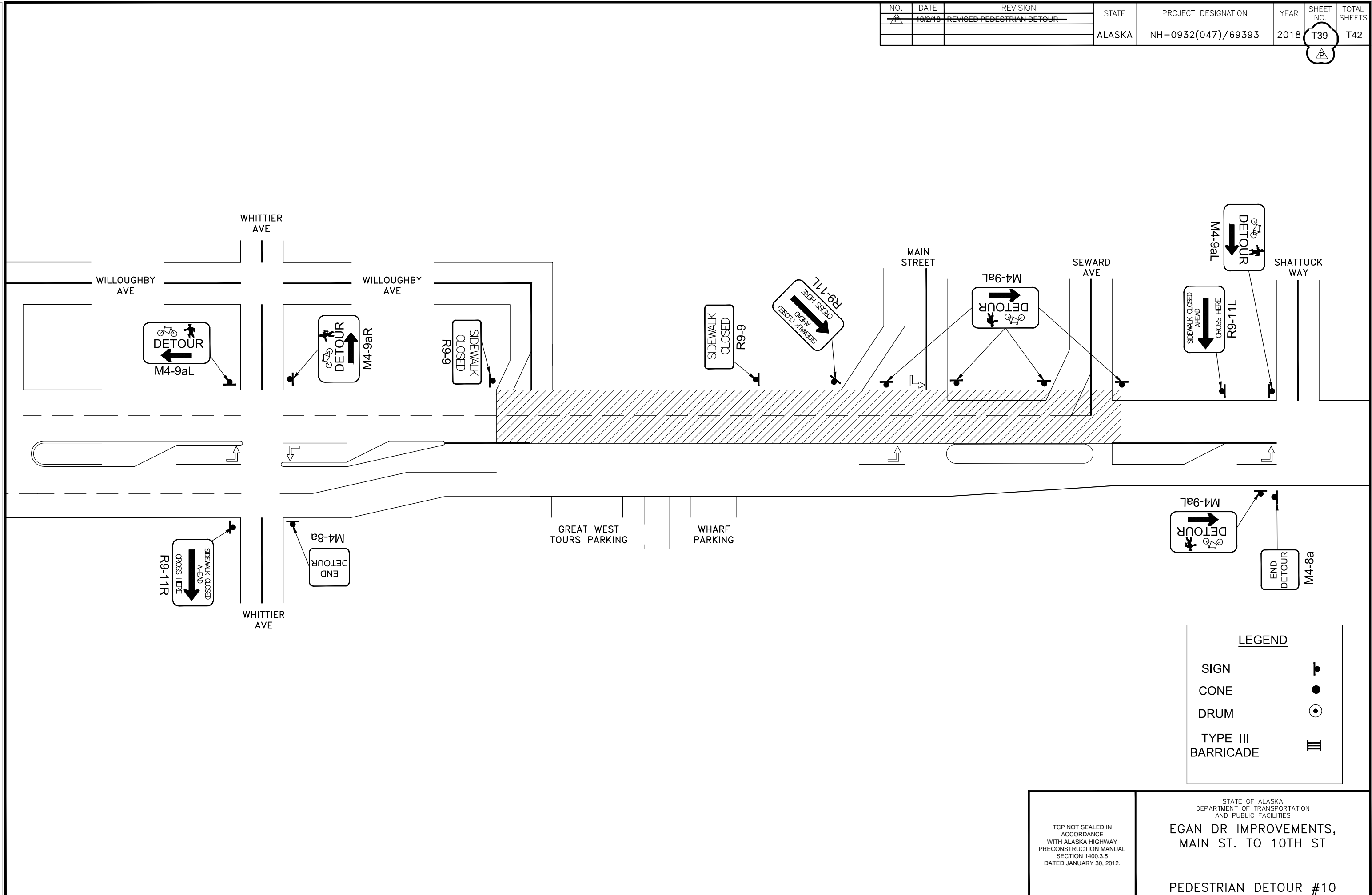
LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
PEDESTRIAN DETOUR #9

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	REVISED PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T39	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/5/2018 9:42 LAYOUT T40 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND

SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

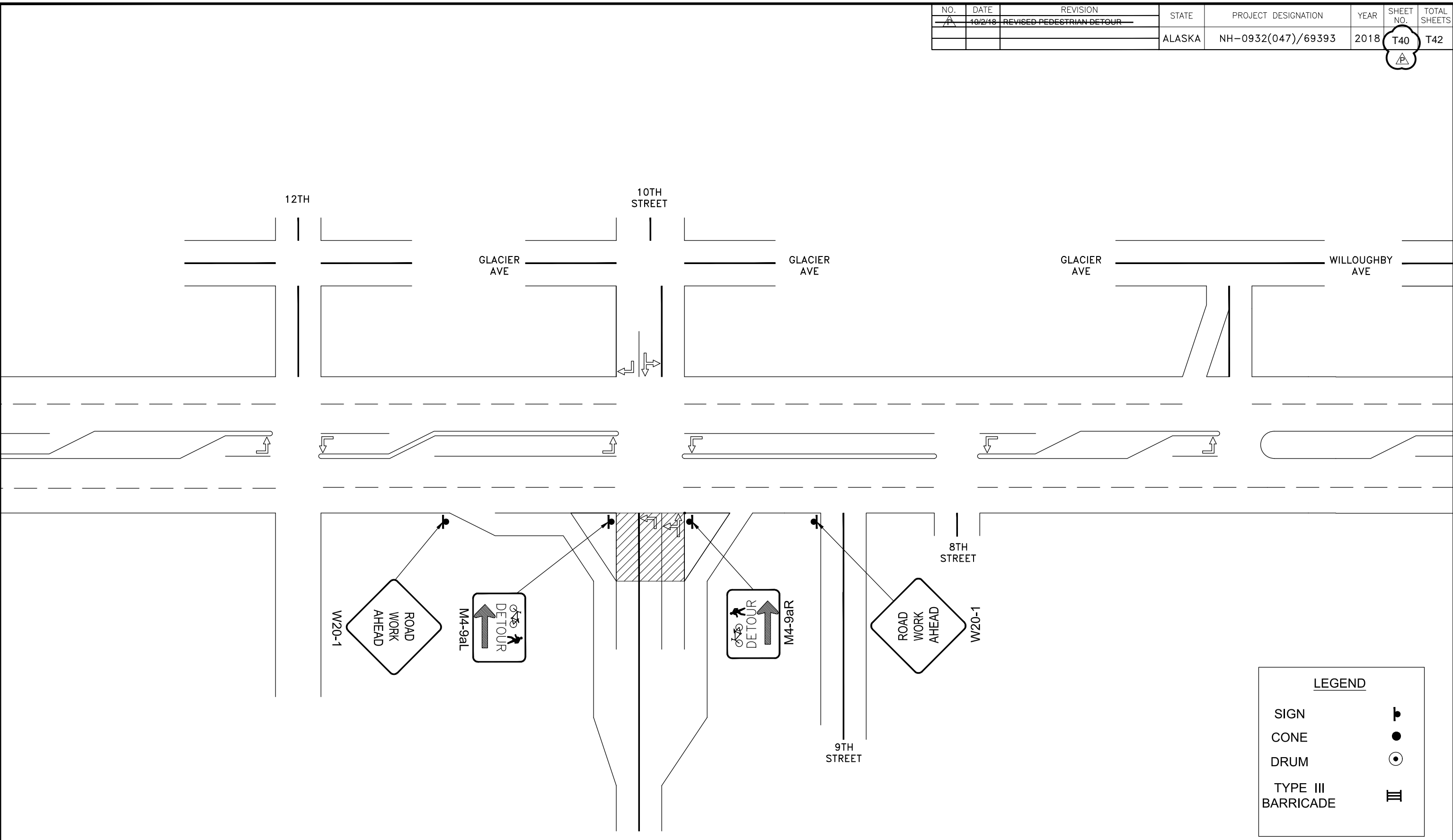
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

PEDESTRIAN DETOUR #10

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
A	10/2/18	REVISED PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T40	T42

T40

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/3/2018 11:55 LAYOUT T41 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

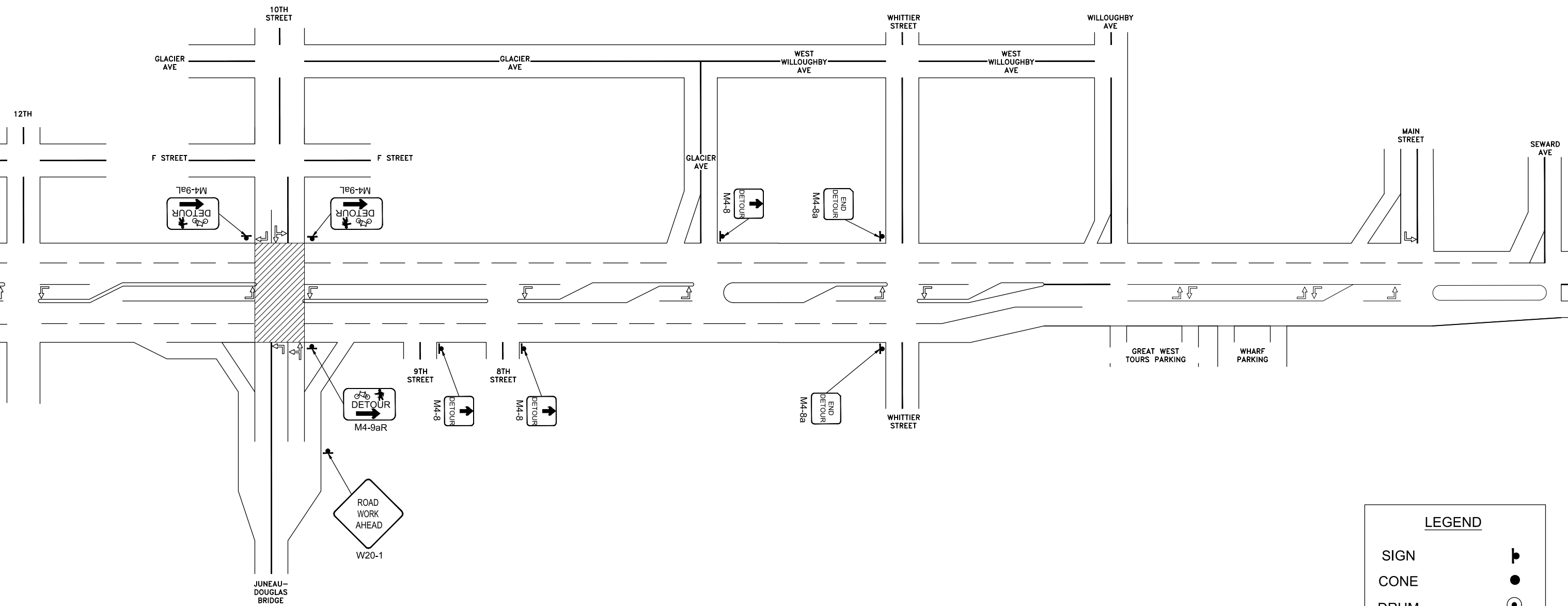
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

PEDESTRIAN DETOUR #11

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
1	10/2/18	REVISED PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T41	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/3/2018 11:55 LAYOUT T42 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

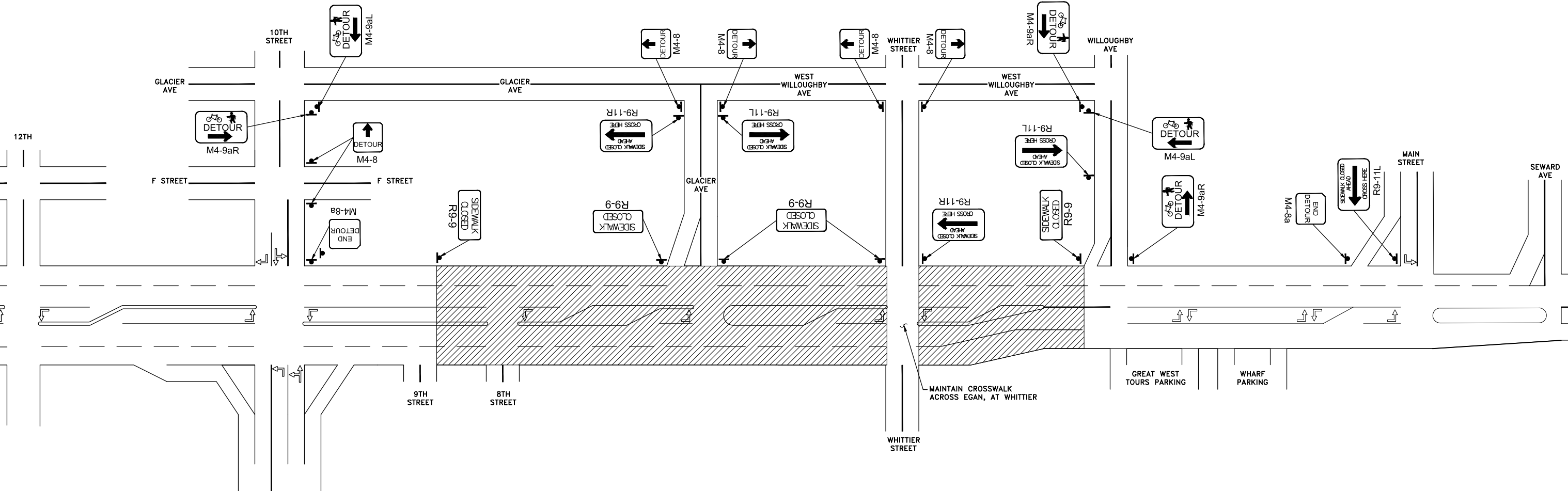
TCP NOT SEALED IN ACCORDANCE WITH ALASKA HIGHWAY PRECONSTRUCTION MANUAL SECTION 1400.3.5 DATED JANUARY 30, 2012

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**

PEDESTRIAN DETOUR #12

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
A	10/2/18	REVISED PEDESTRIAN DETOUR	ALASKA	NH-0932(047)/69393	2018	T42	T42

FILE G:\nu\69393\Planset\lcp stick figure 20170531.dwg DATE 10/3/2018 11:55 LAYOUT T43 DESIGNED BP CHECKED CT DRAFTED JT



LEGEND	
SIGN	
CONE	
DRUM	
TYPE III BARRICADE	

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**EGAN DR IMPROVEMENTS,
MAIN ST. TO 10TH ST**
PEDESTRIAN DETOUR #13