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DESIGNED	CI, TD
CHECKED	KK
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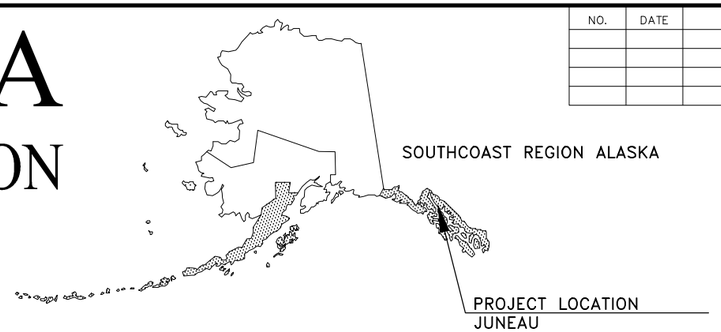
STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES



NO.	DATE	REVISIONS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL "A" SHEETS
ALASKA	Z674080000/Z680810000	2018	AA1	6
			PLAN SET TOTAL	47

CDS ROUTE: 296000/296636	MILEPOINT: 9.45 TO 9.50
LATITUDE: 58°22'15"N	LONGITUDE: 134°36'18"W

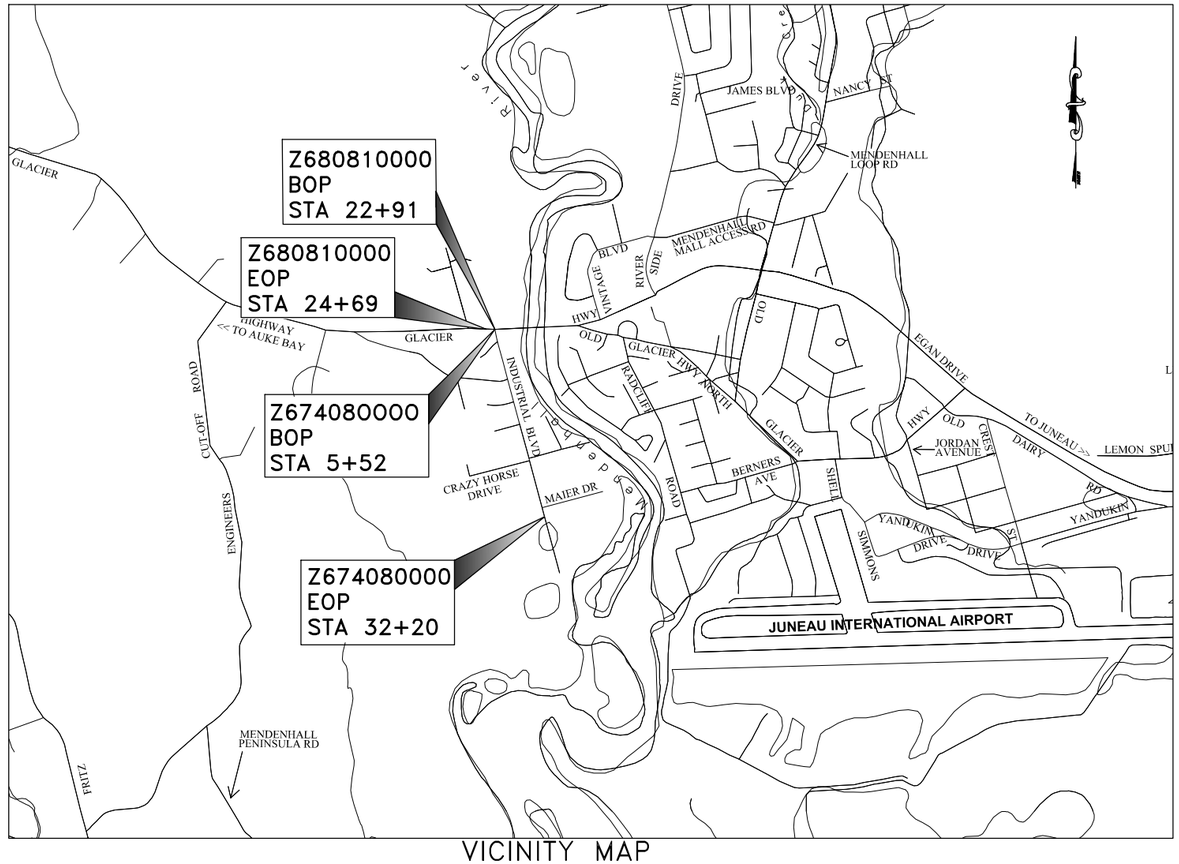
PROPOSED HIGHWAY PROJECT

JNU INDUSTRIAL BLVD WIDENING AND SIDEWALK PROJECT NO. Z674080000~0961017

GRADING, DRAINAGE, PAVING, SIDEWALK, SIGNING, STRIPING

JNU GLACIER HIGHWAY INDUSTRIAL BLVD INTERSECTION IMPROVEMENT PROJECT NO. Z680810000~0961018

PAVING, SIGNING, STRIPING



VICINITY MAP

SHEET INDEX	
SHEET NO.	DESCRIPTION
AA1	COMBINED TITLE SHEET
AA2	SHEET LAYOUT INDEX
AA3	LEGEND & SYMBOLS
CC1	ESTIMATE OF QUANTITIES
CC2	ESTIMATE OF QUANTITIES

67408 INDUSTRIAL BLVD	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2–A4	SURVEY CONTROL
B1–B2	TYPICAL SECTIONS
D1–D6	SUMMARIES
E1–E10	DETAILS
F1–F5	PLAN & PROFILE
G1–G13	INTERSECTION & DRIVEWAYS
H1–H3	STRIPING & SIGNING
P1–P3	ESCP
T1	TRAFFIC CONTROL

68081 GLACIER HWY	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SURVEY CONTROL SHEET
C1	BASIS OF ESTIMATE
E1–E2	DETAILS
F1	PLAN
H1	SIGNING & STRIPING
P1	ESCP
T1	TRAFFIC CONTROL
T2	TRAFFIC ENCROACHMENT

DESIGN DESIGNATION (Z674080000)	
PRESENT ADT (2015)	3110
DESIGN YEAR ADT (2039)	3300
PERCENT COMMERCIAL TRUCKS	13.0%
DIRECTIONAL DISTRIBUTION	55 / 45
DESIGN SPEED	30 MPH
DESIGN VEHICLE	SU–40
E.A.L	1,250,000
PROJECT TYPE	3R
FUNCTIONAL CLASS:	MAJOR COLLECTOR (CLACIER HWY TO CRAZY HORSE DR) LOCAL BEYOND

DESIGN DESIGNATION (Z680810000)	
PRESENT ADT (2015)	12030
DESIGN YEAR ADT (2039)	12770
PERCENT COMMERCIAL TRUCKS	13.6%
DIRECTIONAL DISTRIBUTION	55 / 45
DESIGN SPEED	50 MPH
DESIGN VEHICLE	WB–50
E.A.L	6,250,000
PROJECT TYPE	3R
FUNCTIONAL CLASS:	PRINCIPAL ARTERIAL –OTHER

Your text here

AS-Builts
Start Date 2/28/19
End Date 9/17/21
PE - Tina Bergam
Contractor - Secon
Superintendent - Casey Walker

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
6860 GLACIER HIGHWAY, JUNEAU, AK 99801
(907) 465–1763

APPROVED:

REGIONAL PRECONSTRUCTION ENGINEER DATE
L. PAT CARROLL, P.E.

CONCUR:

Record Drawings have been reviewed by the Contractor and are correct to the best of my knowledge, the project as constructed.
PE

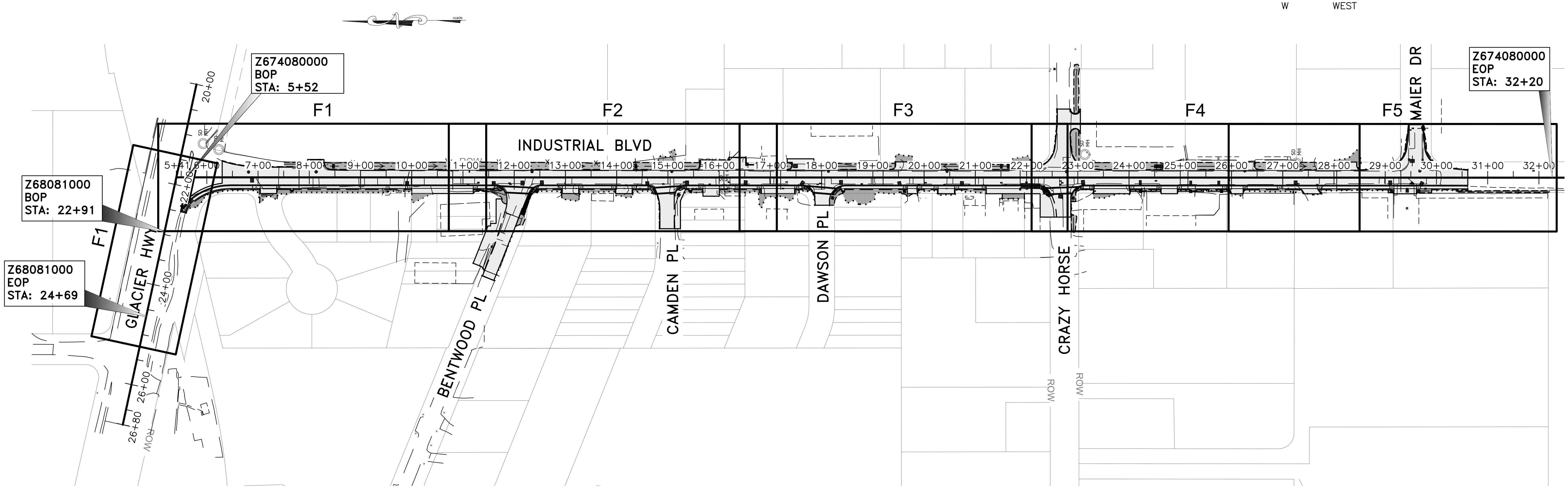
REGIONAL DIRECTOR DATE
D. LANCE MEARIG, P.E.

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/Z680810000	2018	AA2	6

ABBREVIATIONS:

ADT	AVERAGE DAILY TRAFFIC
APPROX.	APPROXIMATELY
BFM	BONDED FIBER MATRIX
BMP	BEST MANAGEMENT PRACTICE
CF	CUBIC FEET
CL	CENTERLINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CPP	CORRUGATED POLYETHYLENE PIPE
C.S.	CONTINGENT SUM
CY	CUBIC YARD
DIA	DIAMETER
DIM	DIMENSION
D.I.T.	DUCTILE IRON PIPE
E	EASTING/EAST
EG	EXISTING GROUND
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
FG	FINISHED GRADE
F&I	FURNISH AND INSTALL
FT	FEET
HDG	HOT DIP GALVANIZED
I.Y.	INTERNAL DIAMETER
IN	INCHES
INV	INVERT
LB	POUND
LF	LINEAR/LINEAL FOOT
LS	LUMP SUM
LT	LEFT
LVC	LENGTH OF VERTICAL CURVE
MAX	MAXIMUM
M.Z.	MATCH EXISTING
MIN	MINIMUM
MPH	MILES PER HOUR
N	NORTHING/NORTH
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
O.D.	OUTER DIAMETER
PI	POINT OF INTERSECTION
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
PVC	POLYVINYL CHLORIDE / POINT OF VERTICAL CURVE
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
RP	RADIUS POINT
REQ'D	REQUIRED
ROW	RIGHT OF WAY
RT	RIGHT
S.D.	SOUTH-BOUND
SF	SQUARE FEET/FOOT
SHDR	SHOULDER
SSWR	SANITARY SEWER
STA	STATION
SY	SQUARE YARD
TBC	TOP BACK OF CURB
TYP	TYPICAL
VC	VERTICAL CURVE
W	WEST



THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

C-04.12	D-01.02	M-23.12	S-00.11	T-20.03
C-05.20	D-04.21		S-01.01	T-21.03
	D-35.00		S-05.01	T-23.00
	D-36.00		S-30.04	

STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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

PE ____

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

SHEET LAYOUT INDEX

FILE	DATE	LAYOUT	DESIGNED	CHECKED	DRAFTED
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	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
	ALASKA	Z674080000/Z680810000	2018	AA3	6

NO.	DATE	REVISION

	EXISTING	PROPOSED
SANITARY SEWER	S	S
WATER LINE	W	W
UNDERDRAIN		D D
STORM DRAIN	SD	(P-10)
SPECIAL DITCH CENTERLINE		
FLOW DIRECTION		
TREE LINE		
GUARDRAIL		
ROADWAY/PAVEMENT EDGE		
FENCE	X X X X	X X X X
CURB AND GUTTER		
CUT SLOPE LIMIT		
FILL SLOPE LIMIT		
EASEMENT LINE		
RIGHT-OF-WAY	ROW	
ALIGNMENT		5+00 10+00
FIBER OPTIC LINE	FO	
TELEPHONE CABLE (UNDERGROUND)	T	
ELECTRIC LINE (UNDERGROUND)	E	
ELECTRIC LINE (OVERHEAD)	OHE	

	EXISTING	PROPOSED
WATER VALVE		
FIRE HYDRANT		
CURB INLET OR AREA DRAIN		
SANITARY SEWER MANHOLE		S
STORM SEWER CLEAN OUT		C.O.
AREA DRAIN		
DETECTABLE WARNING		
SIGN		
MAILBOX	MB	
BUILDING		
TOPSOIL, SEED & BFM		
CLASS I RIPRAP		
RIGID INSULATION BOARD		
LOAD CENTER		
LUMINAIRE		
UTILITY POLE		
POLE ANCHOR		
TELEPHONE PEDESTAL		

Type text here

STATE OF ALASKA 49TH TRAVIS DENNISON CE 11996 9/26/18 REGISTERED PROFESSIONAL ENGINEER

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

PE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

LEGEND & SYMBOLS

FILE Q:\Jnu\67408\Planset\67408_A3_Legend.dwg | DATE 9/25/2018 15:43 | LAYOUT LEGEND & SYMBOLS | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	CC1	1

ESTIMATE OF QUANTITIES

ITEM NO	SSHC 2017 ITEM NO	ITEM DESCRIPTION	SSCH 2017 ITEM DESCRIPTION	PAY UNIT	QUANTITY		
					67408	68081	COMBINED
201.0009.0000	201(3B)	CLEARING AND GRUBBING	CLEARING AND GRUBBING	LUMP SUM	ALL REQUIRED	All Required	ALL REQUIRED
201.2001.0000	201(7)	INVASIVE PLANT SPECIES CONTROL, REMOVAL AND DISPOSAL	INVASIVE PLANT SPECIES CONTROL, REMOVAL AND DISPOSAL	SQUARE YARD	280	218.2 SY	280
202.0001.0000	202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	LUMP SUM	ALL REQUIRED	All Required	ALL REQUIRED
202.0002.0000	202(2)	REMOVAL OF PAVEMENT	REMOVAL OF PAVEMENT	SQUARE YARD	11,000	11,512.4 SY	11,000
202.0004.0000	202(4)	REMOVAL OF CULVERT PIPE	REMOVAL OF CULVERT PIPE	LINEAR FOOT	2,120	2,031.9 LF	2,120
202.0006.0000	202(6)	REMOVAL OF MANHOLE	REMOVAL OF MANHOLE	EACH	4	4 Each	4
202.0007.0000	202(7)	REMOVAL OF JUNCTION BOX	REMOVAL OF JUNCTION BOX	EACH	1	1 Each	1
202.0008.0000	202(8)	REMOVAL OF INLET	REMOVAL OF INLET	EACH	7	7 Each	7
202.0009.0000	202(9)	REMOVAL OF CURB AND GUTTER	REMOVAL OF CURB AND GUTTER	LINEAR FOOT	200	202.9 LF	200
202.0010.0000	202(10)	SINGLE MAIL BOX INSTALLATION	SINGLE MAIL BOX INSTALLATION	EACH	2	2 Each	2
202.0011.0000	202(11)	MULTIPLE MAIL BOX INSTALLATION	MULTIPLE MAIL BOX INSTALLATION	EACH	3	3 Each	3
203.0003.0000	203(3)	UNCLASSIFIED EXCAVATION	UNCLASSIFIED EXCAVATION	CUBIC YARD	7,800	7,549.2 CY	7,800
203.0005.0000	203(19)	BORROW SHOT ROCK	SHOT ROCK BORROW	CUBIC YARD	5,400	5400 cy	5,400
301.0004.00E1	301(4)	AGGREGATE SURFACE COURSE, GRADING E-1	AGGREGATE SURFACE COURSE, GRADING E-1	CUBIC YARD	140	0 Tons	140
301.2004.0000	301(5)	2 INCH MINUS SHOT ROCK/BASE COURSE	2-INCH MINUS SHOT ROCK/BASE COURSE	CUBIC YARD	2,415		2,415
303.2000.0000	303(3)	LINEAR GRADING	LINEAR GRADING	STATION	28	26.88 Station	28
306.0001.0000	306(1)	ATB	ATB	TON	1,250	1,204.97 Tons	1,250
401.0001.002B	401(1)	HMA, TYPE II, CLASS B	HMA, TYPE II, CLASS B	TON	1,760	1,654.06 Tons	1,760
401.0004.5828	401(4)	ASPHALT BINDER, GRADE PG 58-28	ASPHALT BINDER, GRADE PG 58-28	TON	169		169
401.0008.002B	401(8)	HMA PRICE ADJUSTMENT, TYPE II, CLASS B	HMA PRICE ADJUSTMENT, TYPE II, CLASS B	CONTINGENT SUM	ALL REQUIRED		ALL REQUIRED
401.0009.0000	401(9)	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	LONGITUDINAL JOINT DENSITY PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED		ALL REQUIRED
401.0015.0000	401(15)	ASPHALT MATERIAL PRICE ADJUSTMENT	ASPHALT MATERIAL PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED		ALL REQUIRED
402.0001.STE1	402(1)	STE-1 ASPHALT FOR TACK COAT	STE-1 ASPHALT FOR TACK COAT	TON	4.5		4.5
501.2007.0000	604(16A)	HEADWALL CONCRETE, WITH HINGED TRASH RACK	CONCRETE HEADWALL WITH HINGED TRASH RACK	EACH	23	22 Each	23
501.2007.0000	604(16B)	HEADWALL CONCRETE, WITHOUT HINGED TRASH RACK	CONCRETE HEADWALL WITHOUT HINGED TRASH RACK	EACH	21	21 Each	21
603.0001.0036	603(1-36)	CSP 36 INCH	36 INCH CSP	LINEAR FOOT	6	0 LF	6
603.0021.0000	603(21-8)	CORRUGATED POLYETHYLENE PIPE, 8 INCH	8 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	140	143 LF	140
603.0021.0012	603(21-12)	CORRUGATED POLYETHYLENE PIPE 12 INCH	12 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	880	875 LF	880
603.0021.0018	603(21-18)	CORRUGATED POLYETHYLENE PIPE 18 INCH	18 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	650	650 LF	650
603.0021.0024	603(21-24)	CORRUGATED POLYETHYLENE PIPE 24 INCH	24 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	350	363 LF	350
603.0021.0030	603(21-30)	CORRUGATED POLYETHYLENE PIPE 30 INCH	30 INCH CORRUGATED POLYETHYLENE PIPE	LINEAR FOOT	210	215 LF	210
603.2022.0000	603(27)	STORM SEWER CLEANOUT	STORM SEWER CLEANOUT	EACH	10	9 Each	10
603.2023.0000	603(25-4)	PVC PIPE, 4", SCH40	4" PVC PIPE, SCH40	LINEAR FOOT	120	51.5 LF	120
603.2023.0000	603(25-8)	PVC PIPE, 8", SCH40	8" PVC PIPE, SCH40	LINEAR FOOT	20	13.5 LF	20
604.0001.0001	604(1B)	STORM SEWER MANHOLE, TYPE I	STORM SEWER MANHOLE, TYPE I	EACH	19	18 Each	19
604.0003.0000	604(3)	RECONSTRUCT MANHOLE	RECONSTRUCT EXISTING MANHOLE	EACH	9	9 Each	9
604.2002.0000	604(1A)	OIL WATER SEPARATOR TYPE II, STORM SEWER MANHOLE	STORM SEWER MANHOLE, TYPE II OIL WATER SEPARATOR	EACH	1	1 Each	1
604.2010.0003	604(5A)	INLET TYPE, III	INLET, TYPE III	EACH	13	13 Each	13
605.0003.0006	605(3)	PERFORATED PIPE UNDERDRAIN 6 INCH	6 INCH PERFORATED PIPE UNDERDRAIN	LINEAR FOOT	1,000	859 LF	1,000

BASIS OF ESTIMATE

ITEM NO.	ITEM	ESTIMATING FACTOR
301(4)	AGGREGATE SURFACE COURSE, GRADING E-1	1.95 TONS/CY
306(1)	ASPHALT TREATED BASE (ATB)	152 LB/CF
401(1)	HOT MIX ASPHALT, TYPE II, CLASS B	152 LB/CF
401(4)	ASPHALT BINDER, GRADE PG-58-28	6.0% OF ITEM 401(1)
401(4)	ASPHALT BINDER, GRADE PG-58-28	5.0% OF ITEM 306(1)
402(1)	STE-1 ASPHALT FOR TACK COAT	0.1 GAL/S.Y.; 243 GAL/TON

STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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

PE ______________________________

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK
AND WIDENING

ESTIMATE OF QUANTITIES

FILE Q:\Jnu\67408\Planset\67408_C1_Quantities.dwg
DATE 9/25/2018 11:51
LAYOUT CC1
DESIGNED CI, TD, BW
CHECKED LG
DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	CC2	1

ESTIMATE OF QUANTITIES

ITEM NO	SSHC 2017 ITEM NO	ITEM DESCRIPTION	SSCH 2017 ITEM DESCRIPTION	PAY UNIT	QUANTITY 67408	QUANTITY 68081	QUANTITY COMBINED
605.0004.0000	605(8)	BLIND DRAIN	FRENCH DRAIN	LINEAR FOOT	150	148 LF	150
606.2000.0000	606(17)	BOLLARD	BOLLARD	EACH	3	3 Each	3
608.0003.0000	608(3)	ASPHALT SIDEWALK	ASPHALT SIDEWALK	SQUARE YARD	1,190	1,207.9 SY	1,190
608.0006.0000	608(6)	CURB RAMP	CURB RAMP	EACH	9		9
608.2025.0000	608(16)	CONCRETE MEDIAN	CONCRETE MEDIAN	LUMP SUM		ALL REQUIRED	ALL REQUIRED
609.0002.0001	609(2)	CURB AND GUTTER, TYPE 1	CURB AND GUTTER, TYPE 1	LINEAR FOOT	2,640	2,584.9 LF	2,640
611.0001.0001	611(1)	RIPRAP, CLASS I	RIPRAP, CLASS I	CUBIC YARD	920	828 CY	920
615.0001.0000	615(1)	STANDARD SIGN	STANDARD SIGN	SQUARE FOOT	91	92.14 SF	91
618.0002.0000	618(2)	SEEDING	SEEDING	POUND	3	0 Pounds	3
619.2013.0000	619(3)	BONDED FIBER MATRIX (BFM)	BONDED FIBER MATRIX (BFM)	POUND	185	0 Pounds	185
620.0001.0000	620(1)	TOPSOIL	TOPSOIL	SQUARE YARD	255	0 SY	255
626.2006.0000	627(12)	RELOCATE EXISTING WATER AND SEWER SERVICES	RELOCATE EXISTING WATER AND SEWER SERVICES	CONTINGENT SUM	ALL REQUIRED	0	ALL REQUIRED
627.0003.0000	627(3)	INSTALL VALVE BOX	INSTALL VALVE BOX	EACH	43	43 Each	43
627.0004.0000	627(4)	FIRE HYDRANT ADJUSTMENT	FIRE HYDRANT ADJUSTMENT	EACH	6	7 Each	6
627.2020.0000	627(13)	WATER MAIN RELOCATION	RELOCATE WATER MAIN	EACH	1	0 Each	1
630.0001.0000	630(1)	GEOTEXTILE, SEPARATION	GEOTEXTILE, SEPARATION	SQUARE YARD	13,500	12,000 SY	13,500
635.0001.0000	635(1)	INSULATION BOARD	INSULATION BOARD	MBM	15	3.168 MBM	15
639.2000.0000	639(3)	APPROACH	APPROACH	EACH	29	28 Each	29
640.0001.0000	640(1)	MOBILIZATION AND DEMOBILIZATION	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0001.0000	641(1)	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
641.0003.0000	641(3)	TEMPORARY EROSION , SEDIMENT, AND POLLUTION CONTROL	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	LUMP SUM	ALL REQUIRED	All Required	ALL REQUIRED
641.0005.0000	641(5)	TEMPORARY EROSION , SEDIMENT, AND POLLUTION CONTROL BY DIRECTIVE	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQUIRED	All Required	ALL REQUIRED
641.0006.0000	641(6)	WITHHOLDING	WITHHOLDING	CONTINGENT SUM	ALL REQUIRED	All Required	ALL REQUIRED
642.0001.0000	642(1)	CONSTRUCTION SURVEYING	CONSTRUCTION SURVEYING	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
642.0003.0000	642(3)	THREE PERSON SURVEY PARTY	THREE PERSON SURVEY PARTY	HOUR	60	0 Hour	60
642.0006.0000	642(6)	REPLACE EXISTING WITH PRIMARY MONUMENT	REPLACE EXISTING WITH PRIMARY MONUMENT	EACH	1	1 Each	1
642.0007.0000	642(7)	REPLACE EXISTING WITH SECONDARY MONUMENT	REPLACE EXISTING WITH SECONDARY MONUMENT	EACH	6	3 Each	6
643.0002.0000	643(2)	TRAFFIC MAINTENANCE	TRAFFIC MAINTENANCE	LUMP SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0003.0000	643(3)	PERMANENT CONSTRUCTION SIGNS	PERMANENT CONSTRUCTION SIGNS	LUMP SUM	ALL REQUIRED	All Required	ALL REQUIRED
643.0023.0000	643(23)	TRAFFIC PRICE ADJUSTMENT	TRAFFIC PRICE ADJUSTMENT	CONTINGENT SUM	ALL REQUIRED	All Required	ALL REQUIRED
643.0025.0000	643(25)	TRAFFIC CONTROL	TRAFFIC CONTROL	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
643.0032.0000	643(15)	FLAGGING	FLAGGING	CONTINGENT SUM	ALL REQUIRED	ALL REQUIRED	ALL REQUIRED
660.2017.0000	660(19C)	JUNCTION BOX, POLYMER CONCRETE	POLYMER CONCRETE JUNCTION BOX	EACH	1	1 Each	1
670.0001.0000	670(1)	PAINTED TRAFFIC MARKINGS	PAINTED TRAFFIC MARKINGS	LUMP SUM	ALL REQUIRED	All Required	ALL REQUIRED
683.2001.0000	626(3)	UTILITY SYSTEM SERVICE LOCATE SEWER	LOCATE SEWER SERVICE	LUMP SUM	ALL REQUIRED	0	ALL REQUIRED
683.2001.0000	627(11)	UTILITY SYSTEM SERVICE LOCATE WATER	LOCATE WATER SERVICE	LUMP SUM	ALL REQUIRED	0	ALL REQUIRED

Type text here

STATE OF ALASKA 49TH TRAVIS DENNISON CE 11996 9/26/18 REGISTERED PROFESSIONAL ENGINEER

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

PE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

ESTIMATE OF QUANTITIES

DRAFTED JT | CHECKED LG | DESIGNED CI, TD, BW | LAYOUT CC2 | DATE 9/25/2018 11:51 | FILE Q:\Jnu\67408\Planset\67408_C1_Quantities.dwg

FILE	DATE	LAYOUT	DESIGNED	CHECKED	DRAFTED
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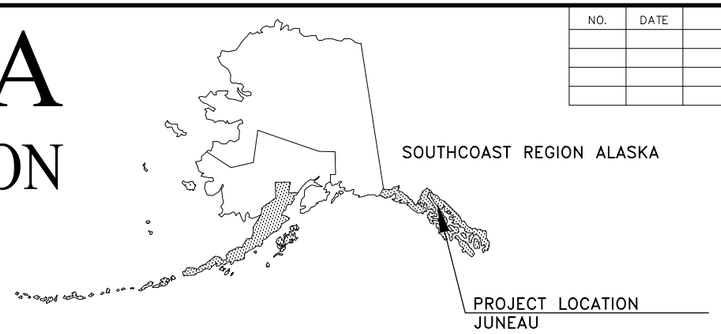
STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES



NO.	DATE	REVISIONS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL "A" SHEETS
ALASKA	Z674080000/0961017	2017	A1	A6
			PLAN SET TOTAL	24

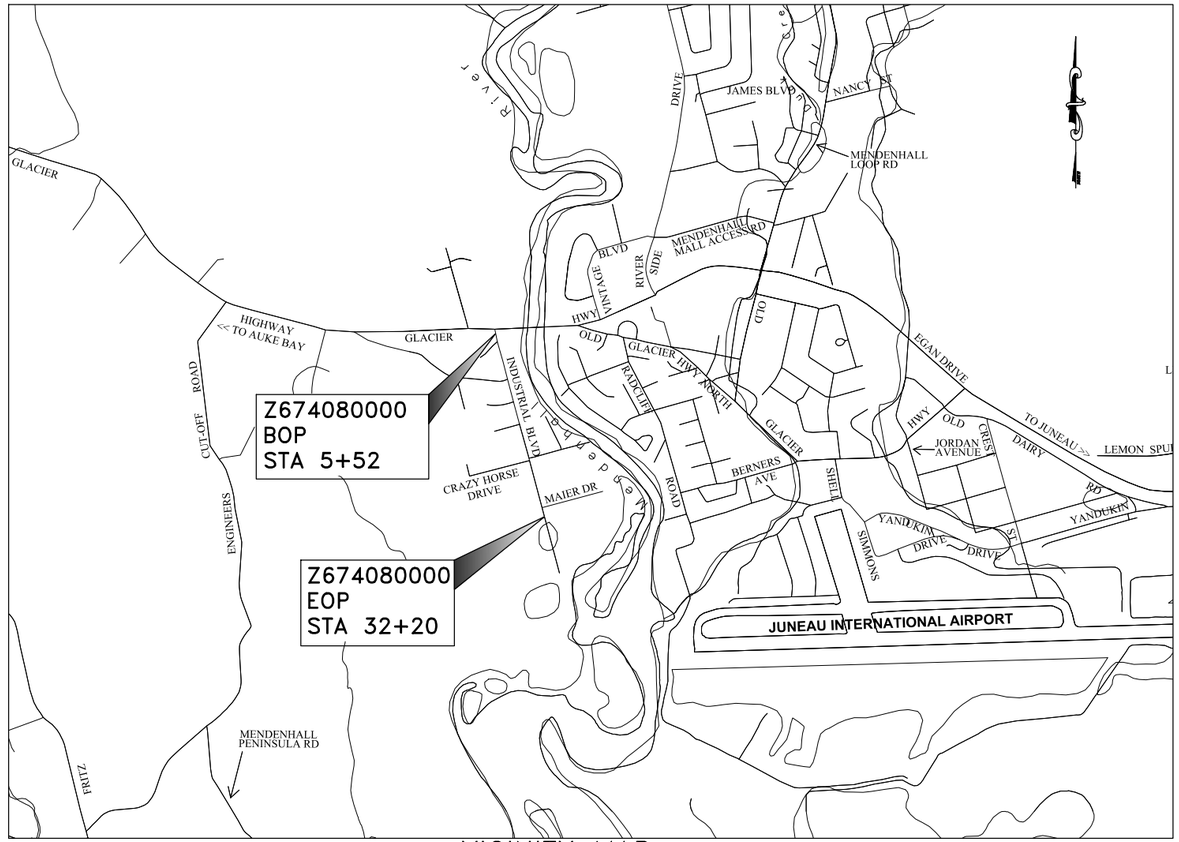
CDS ROUTE: 296636	MILEPOINT: 0.01 TO 0.51
LATITUDE: 58°22'15"N	LONGITUDE: 134°36'18"W

PROPOSED HIGHWAY PROJECT

JNU INDUSTRIAL BLVD WIDENING AND SIDEWALK PROJECT NO. Z674080000~0961017

GRADING, DRAINAGE, PAVING, SIDEWALK, SIGNING, STRIPING

PROJECT SUMMARY	
LENGTH OF PROJECT	0.5 MI



VICINITY MAP

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

PE _____

NO	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	A2	4

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

IND-40: 2" aluminum cap set in road sub graded 0.20" @ Bentwood and Barrett Ave Intersection. 3' from top bank and 14' from "no parking sign"
JNU-Grid N 504849.74 FT US, E 492515.91 FT US
AKSPC N 2388417.09 FT US , E 2505151.28 FT US

IND-41 : 2" aluminum cap set in the north bound shoulder Industrial Blvd @ Intersection of Bentwood sub graded 0.4". Yellow tag on PP #12532 bears N47W 56.4'+/-
JNU-Grid N 504630.00 FT US, E 493200.12 FT US
AKSPC N 2388188.34 FT US, E 2505832.47 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.

PROJECT SPECIFIC TBM'S

1. North Bolt Top Flange Fire Hydrant Across from Don Abels
Elevation = 29.33'

2. North Bolt Top Flange Fire Hydrant in SW Corner of Industrial & Bentwood Place
Elevation = 26.67'

4. North Bolt Top Flange Fire Hydrant in SW Corner of Industrial & Dawson Place
Elevation = 27.62'

5. North Bolt Top Flange Fire Hydrant in NW Corner of Industrial & Crazy Horse Drive
Elevation = 28.11'

6. North Bolt Top Flange Fire Hydrant Just South of Brace Pole #12549 Hydrant is North of Maier Drive
Elevation = 28.08'

Exisiting Property Industrial Boulevard

Point #	Northing	Easting	Description	Station	Offset
1370	504318 32	493133 96	PLASCAP	15+26 25	50 08R
1371	504193 05	493152 39	PLASCAP	16+51 50	31 62R
1372	503121 10	493154.17	ALCAP	27+23 45	29 58R
1373	502929 40	493154.31	PLASCAP	29+15 16	29 38R
1374	502081.14	493160.30	ALCAP	N\A	N\A
1375	502083 90	493210.16	ALCAP	N\A	N\A
1376	502043 36	493210.19	ALCAP	N\A	N\A
1377	502626.02	493154.68	REBAR	N\A	N\A
1378	502855 25	493638 85	ALCAP_3-1/2"_ROW_FR-S-1042-TR-A	29+89 19	455 17L
1379	502934.44	493214 25	PLASCAP 7570-S	29+10 10	30 55L
1382	503537 91	493396 16	PLASCAP-TAC TNA 7712-S	23+06 58	212.31L
1384	502855 02	493234 37	PLASCAP	29+89 52	50 69L
1385	502914 70	493234 37	PLASCAP 7570-S	29+29 84	50 68L
1386	503827 92	493153 38	ALCAP 1-1/2" T&N	20+16 63	30 54R
1387	503766 40	493153 07	ALCAP1.5" T&N	20+78 16	30 83R
1388	503543 10	493159 26	ALCAP_3"_ROW-L4-MVIP_3247-S	23+01 45	24 59R
1389	503542 56	492781 74	REBAR	23+02 09	402.11R
1390	503597 96	492647 39	PLASCAP 3650-S	22+46.71	536.47R
1391	503597 11	492901.90	PLASCAP 3650-S	22+47 50	281 96R
1392	503541 73	492654 96	PLASCAP 7712-S	23+02 95	528 88R
1396	504119 93	493213 25	SPINHOLE	17+24 61	29 26L
1397	504234 50	493213 45	PLASCAP 3713-LS	16+10 04	29 44L
1398	504309 39	493213 56	REBAR	15+35 15	29 52L
1409	504776 81	492851 19	ALCAP3 25"_BLK1A\ROW_LS5713	10+67 82	332.96R
1410	504713 39	492852 55	PLASCAP	11+31 24	331 58R
1411	504800 03	492562 43	REBAR	10+44 67	621.72R
1412	505252 07	492851 16	ALCAP1 5" LS1410	5+92.56	333 10R
1413	505268 26	492919 17	ALCAP3 25"_L19\ROW_LS1410	5+76.35	265 09R
1414	503117 36	493213 98	PLASCAP	27+27 18	30.24L
1417	502488 67	493214 91	REBAR	N\A	N\A
1421	505199.86	492793 42	BC2 5"	6+44 79	390 83R
1422	505487 12	492819.61	PLASCAP LS1410	N\A	N\A
1423	504718 73	492852.50	SPINHOLE	11+25 90	331 64R
1424	504688 01	493154.08	SPINHOLE	11+56 54	30.04R
1426	504843 47	493059 11	REBAR FND	10+01.11	125.05R
1428	505203 76	492580 72	ALCAP2 5" L7A B1A LS5713	6+40.93	603 53R

PROPERTY MONUMENT NOTES:

1. Whether listed or not, all property monuments, property markers, or accessories shall be **PRESERVED IN PLACE**. iIf said monuments are to be disturbed they shall be **REFERENCED** prior to being disturbed, and re-established in their original horizontal position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the **DOT** 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.

Survey Control Table

Point #	Northing	Easting	Elevation	Description	Station	Offset
40	504849 74	492515 91	27.16	GPS ALCTRL2" IND-40	9+94 97	668 26R
41	504630 00	493200 12	24 57	GPS ALCTRL2" IND-41	12+14 54	16 01L
42	505074 00	493202 31	27 19	GPS ALCTRL2" IND-42	7+70 54	18 09L
43	504002 10	493167 35	24 61	GPS_ALCTRL2"_IND-43	18+42 45	16 61R
44	502910 86	493202 90	24 77	GPS ALCTRL2" IND-44	29+33 69	19 21L
45	502122 83	493207 41	25 15	ALCAP2.5"	N\A	N\A

SURVEY MONUMENT NOTES

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.

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

Industrial Boulevard Design Alignment

Segment	Station	Northing	Easting	Distance	Bearing	Station	Northing	Easting
L1	5+40.51	505304.04	493184 27	2473 77	S0° 00' 50"W	30+14 28	502830 26	493183 68

Coordinates hold over distances and bearings

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY
JUNEAU ALASKA
(907)465-4491

5.15.18

STATE OF ALASKA 49TH Daniel M. Iphotov No. 11296 REGISTERED PROFESSIONAL LAND SURVEYOR

JNU INDUSTRIAL BLVD WIDENING AND SIDEWALK PROJECT NO. Z67408000
Survey Control

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

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	A3	4

DESIGNED J.PAPO
CHECKED D.IGNOTOV
DRAFTED J.PAPO

XREFS

SCALE

LAYOUT SCS 2

DATE TIME 5/8/2018 11:06

DRAWING LOCATION
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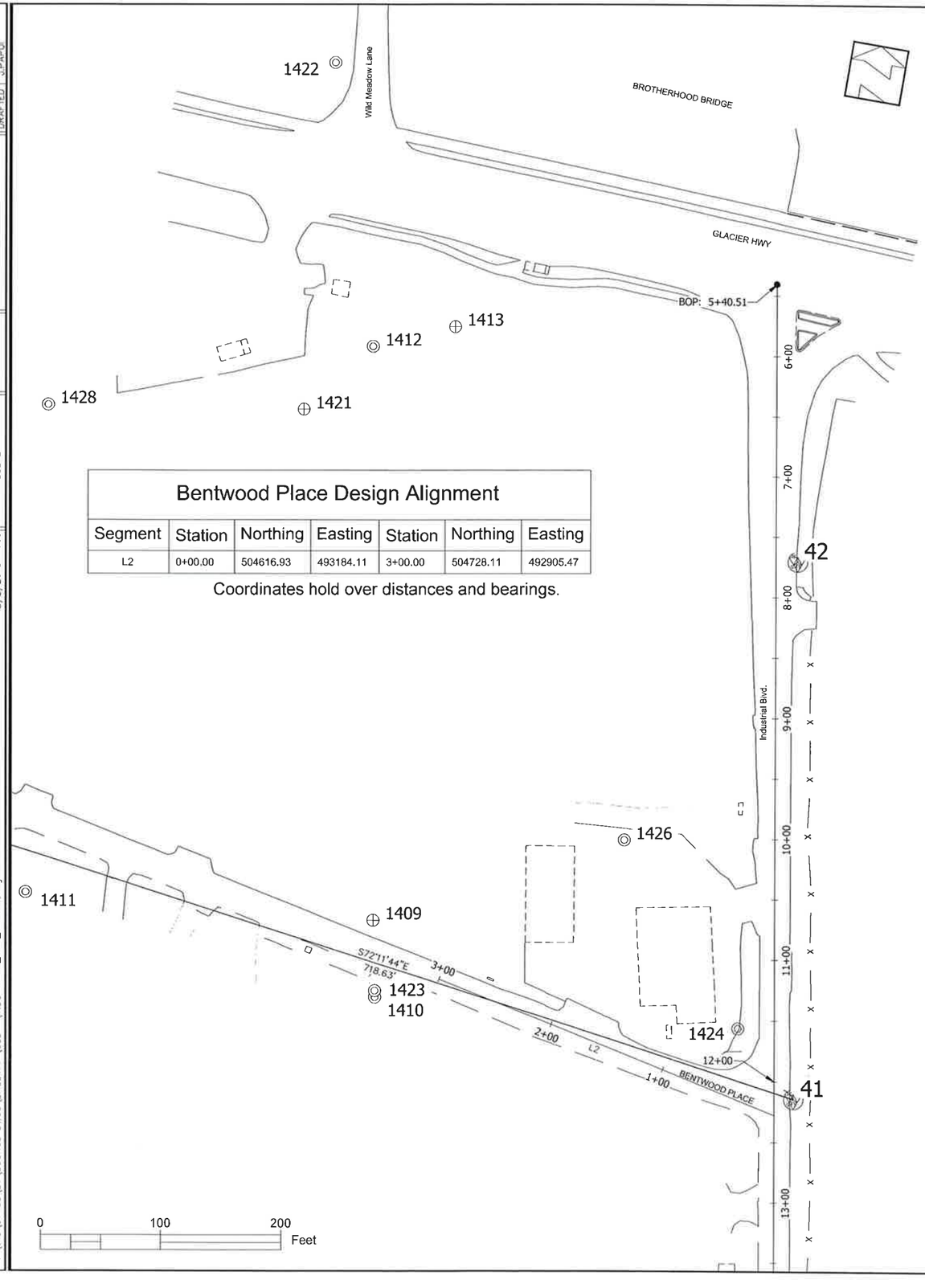
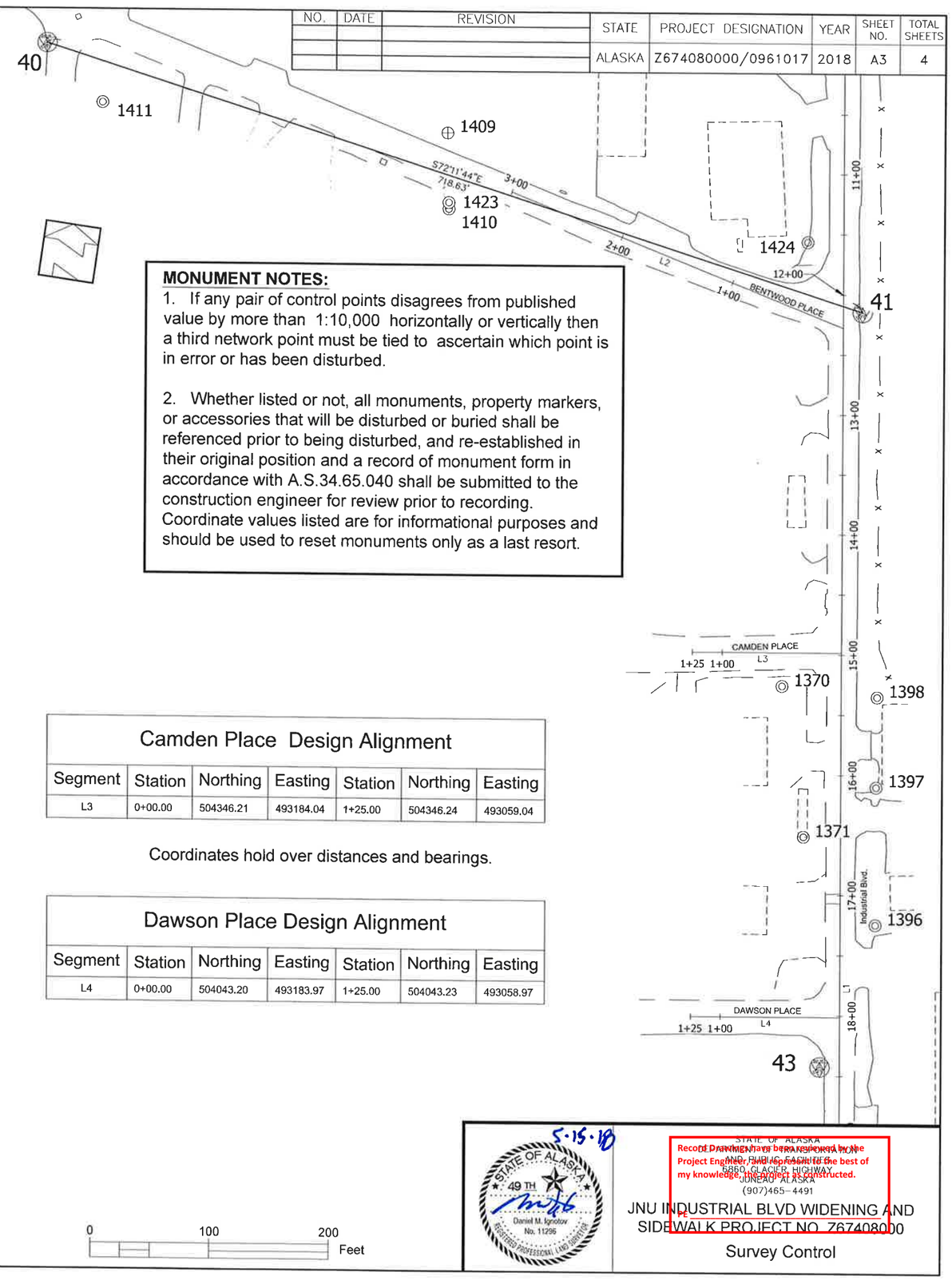


Bentwood Place Design Alignment

Segment	Station	Northing	Easting	Station	Northing	Easting
L2	0+00.00	504616.93	493184.11	3+00.00	504728.11	492905.47

Coordinates hold over distances and bearings.



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.

Camden Place Design Alignment

Segment	Station	Northing	Easting	Station	Northing	Easting
L3	0+00.00	504346.21	493184.04	1+25.00	504346.24	493059.04

Coordinates hold over distances and bearings.

Dawson Place Design Alignment

Segment	Station	Northing	Easting	Station	Northing	Easting
L4	0+00.00	504043.20	493183.97	1+25.00	504043.23	493058.97

0 100 200 Feet

5-15-18

STATE OF ALASKA
49 TH
Daniel M. Ignotov
No. 11296
REGISTERED PROFESSIONAL LAND SURVEYOR

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
6860 GLACIER HIGHWAY
JUNEAU ALASKA
(907)465-4491

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

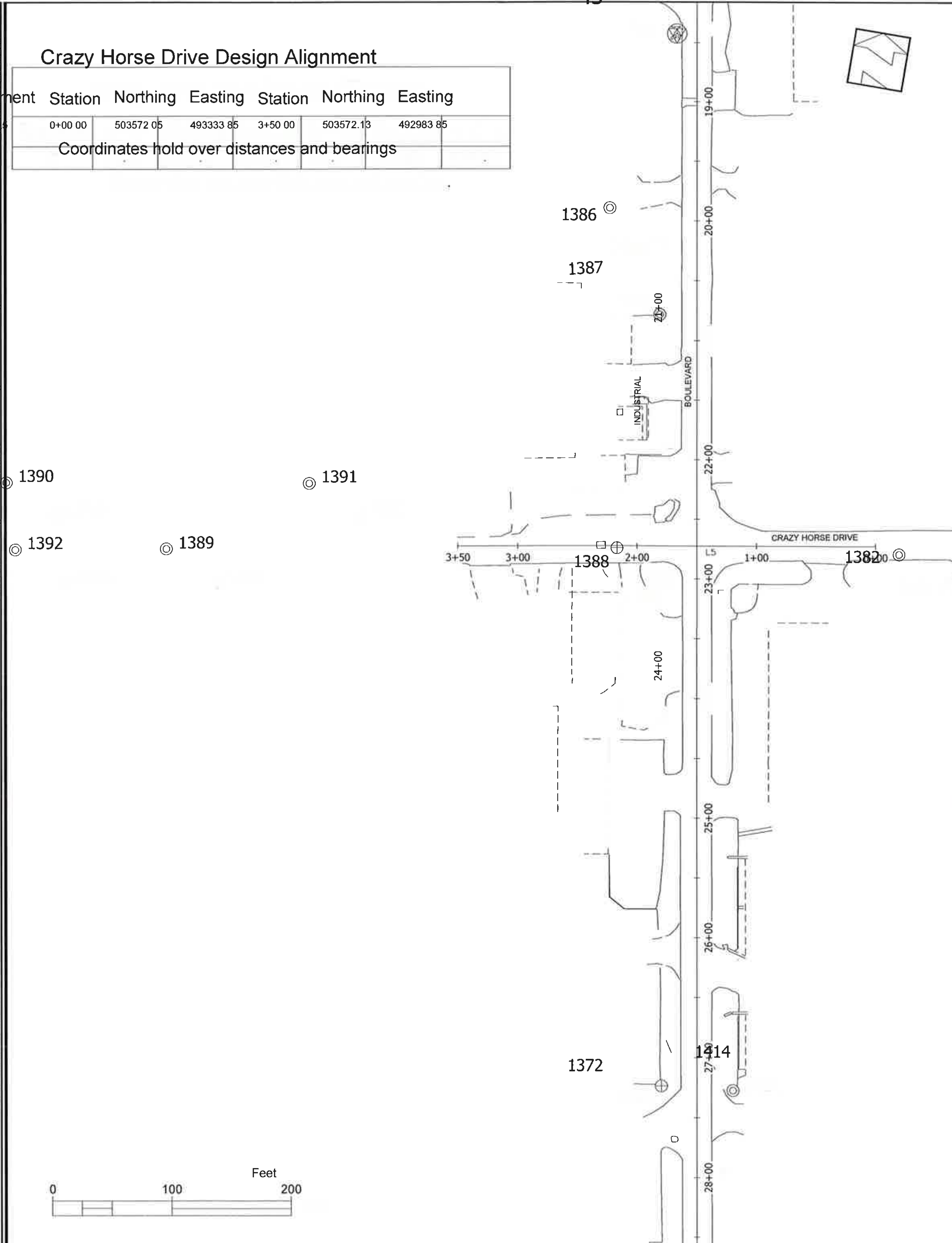
JNU INDUSTRIAL BLVD WIDENING AND SIDEWALK PROJECT NO. Z674080000

Survey Control

STATE	PROJECT DESIGNATION	YEAR	SHEET NO	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	A4	4

NO	DATE	REVISION

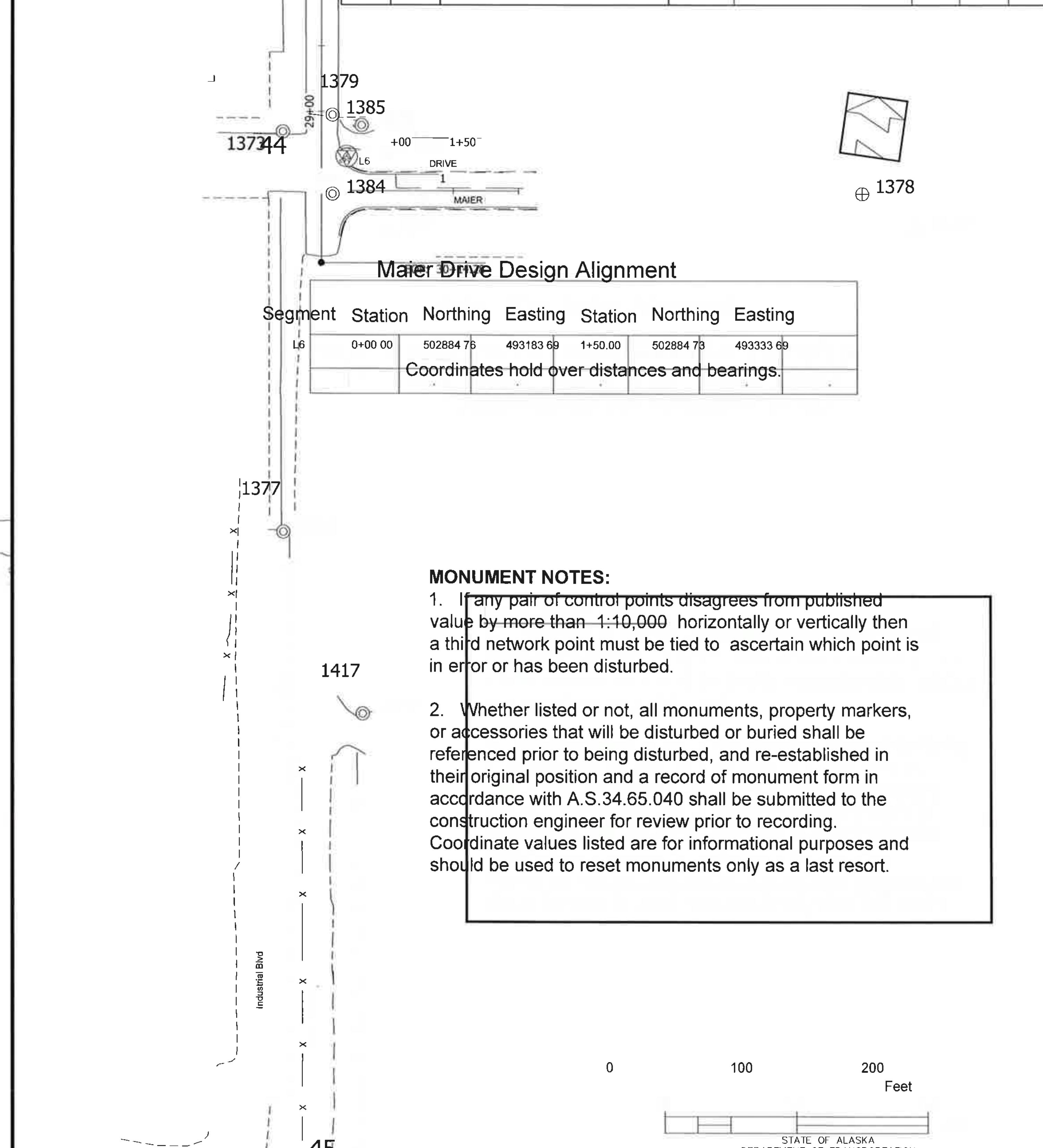
DESIGNED J.PAPOI
CHECKED D.IGNOTOV
DRAWN J.PAPOI



Crazy Horse Drive Design Alignment

Segment	Station	Northing	Easting	Station	Northing	Easting
L5	0+00 00	503572 05	493333 85	3+50 00	503572.13	492983 85

Coordinates hold over distances and bearings



Maier Drive Design Alignment

Segment	Station	Northing	Easting	Station	Northing	Easting
L6	0+00 00	502884 76	493183 69	1+50.00	502884 73	493333 69

Coordinates hold over distances and bearings.

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
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STATE OF ALASKA 49TH Daniel M. Ignotov No. 11296 REGISTERED PROFESSIONAL LAND SURVEYOR

5-15-18

JNU INDUSTRIAL BLVD WIDENING AND SIDEWALK PROJECT NO. Z67408000

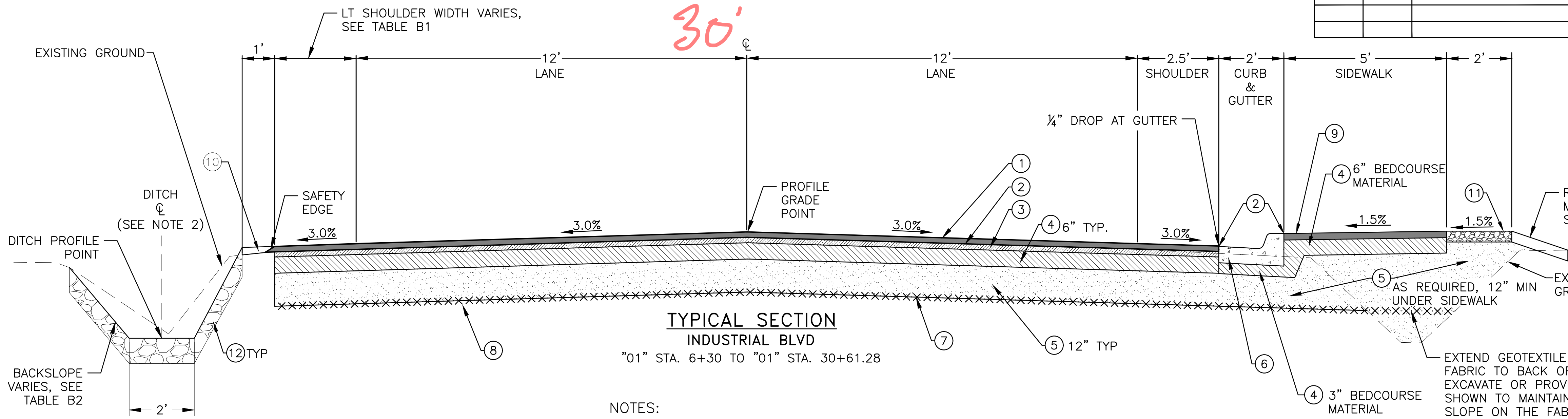
Survey Control

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

PE ______________________

DRAWING LOCATION O:\jnu\67408\SV\SOURCE DWGS\BASEMAP\C3014\INDUSTRIAL_SCS_062317.dwg
XREFS
SCALE
LAYOUT SCS 3
DATE 5/8/201 8 TIME 11:06

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	B1	1



TYPICAL SECTION

INDUSTRIAL BLVD

"01" STA. 6+30 TO "01" STA. 30+61.28

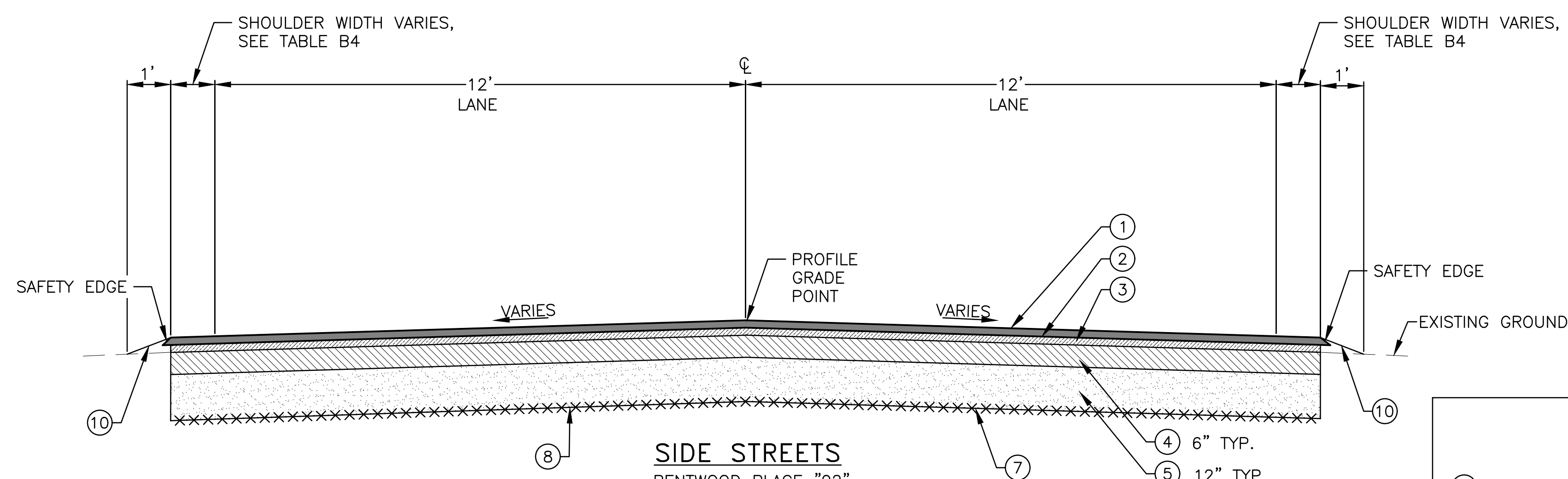
NOTES:

1. BASE COURSE, GRADING D1, MAY BE USED UNDER DRIVEWAYS, SIDEWALKS, AND CURBING AS A SUBSTITUTE FOR 2-INCH MINUS SHOT ROCK BASE COURSE.
2. DITCH LOCATIONS VARY. SEE 'F' AND 'G' SHEETS FOR DITCH LOCATIONS.

TABLE B1	
STATION	LT SHOULDER WIDTH
6+30 TO 7+08.21	VARIES. SEE SHEET F1
7+08.21 TO 7+87	8'
7+87 TO 30+61	2.5'

TABLE B2	
STATION	DITCH BACKSLOPE
7+51 TO 15+55	SLOPE VARIES, DAYLIGHT CUT 0.5' CLEAR OF THE ROW OR EXISTING FENCE, WHICHEVER IS NEARER TO THE DITCH
17+11 TO 21+65	1.5:1
22+86 TO 27+71	SLOPE VARIES, DAYLIGHT CUT 0.5' CLEAR OF THE ROW

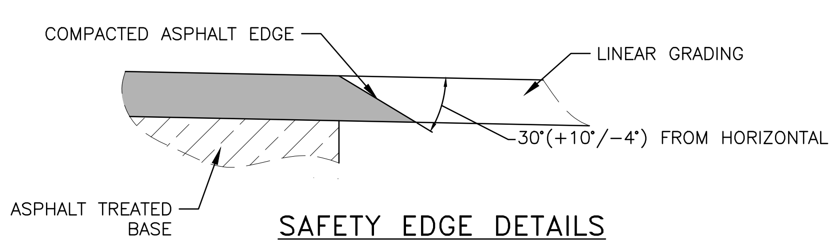
TABLE B3		
STATION	RT SLOPE	MATERIAL
6+30 TO 7+04	2:1	13
7+36 TO 7+55	3:1	13
7+55 TO 9+40	SLOPE VARIES, DAYLIGHT FILL 0.5' CLEAR OF THE ROW	13
9+40 TO 10+00	3:1	13
11+20 TO 15+34	3:1	11
15+34 TO 15+68	SLOPE VARIES, DAYLIGHT FILL 0.5' CLEAR OF THE ROW	11
16+00 TO 16+93	SLOPE VARIES, DAYLIGHT FILL 0.5' CLEAR OF THE ROW	11
17+25 TO 17+85	3:1	11
18+20 TO 18+40	SLOPE VARIES, DAYLIGHT FILL 0.5' CLEAR OF THE ROW	11
18+40 TO 19+67	DAYLIGHT FILL AT 2% (UPHILL), ACCESS FROM ROW ONLY. DRIVEWAY ACCESS TO THIS PROPERTY IS NOT PERMITTED.	11
19+87 TO 20+78	3:1	11
20+78 TO 21+21	SLOPE VARIES, DAYLIGHT FILL 0.5' CLEAR OF THE ROW	11
23+00 TO 30+61	3:1	11



SIDE STREETS

- BENTWOOD PLACE "02"
- CAMDEN PLACE "03"
- DAWSON PLACE "04"
- CRAZY HORSE DRIVE "05"

TABLE B4	
STREET NAME	LT & RT SHOULDER WIDTH
BENTWOOD PL	0'
CAMDEN PL	2'
DAWSON PL	2'
CRAZY HORSE DR (W)	2'
CRAZY HORSE DR (E)	0.5'

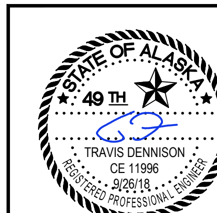


SAFETY EDGE DETAILS

NOTE: DO NOT USE A SAFETY EDGE WHERE THERE WILL BE A JOINT (E.G. CENTERLINE, DRIVEWAYS, INTERSECTIONS, CURB & GUTTER, ETC.)

LEGEND

1. 2" HOT MIX ASPHALT, TYPE II; CLASS B,
2. STE-1 ASPHALT FOR TACK COAT
3. 2" ASPHALT TREATED BASE COURSE
4. 2-INCH MINUS SHOT ROCK/BASE COURSE, SEE NOTE 1
5. SHOT ROCK BORROW
6. STANDARD CURB AND GUTTER
7. LIMITS OF EXCAVATION
8. NON-WOVEN GEOTEXTILE, SEPARATION
9. 2.5" ASPHALT SIDEWALK
10. LINEAR GRADING
11. 4" SURFACE COURSE, GRADING E1
12. 12" RIPRAP, CLASS I
13. 4" TOPSOIL, SEED & BFM



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

PE ______________________

STATE OF ALASKA

INDUSTRIAL BLVD SIDEWALK AND WIDENING

TYPICAL SECTIONS

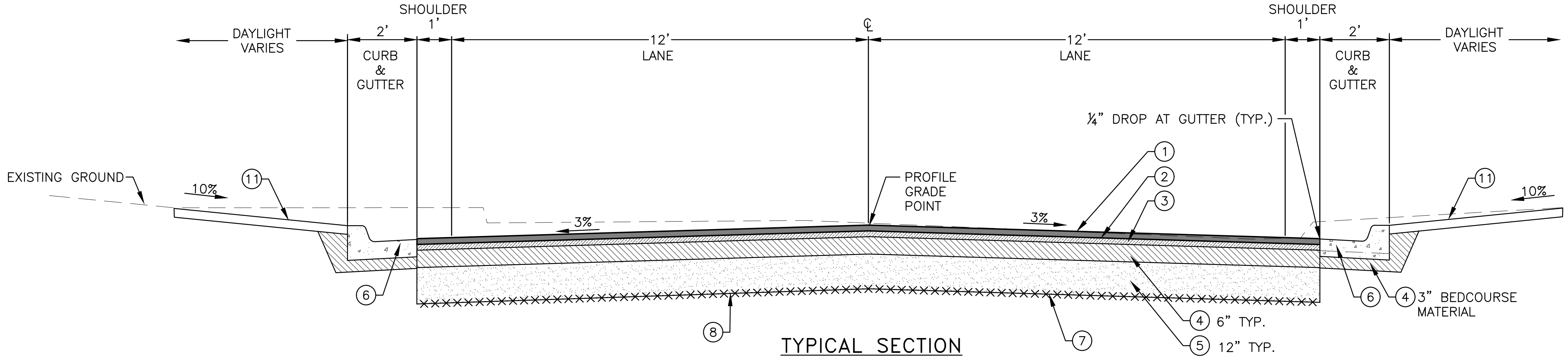
FILE Q:\Jnu\67408\Planset\67408_B1_Typical.dwg | DATE 4/12/2018 11:54 | LAYOUT B1 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

NO.	DATE	REVISION

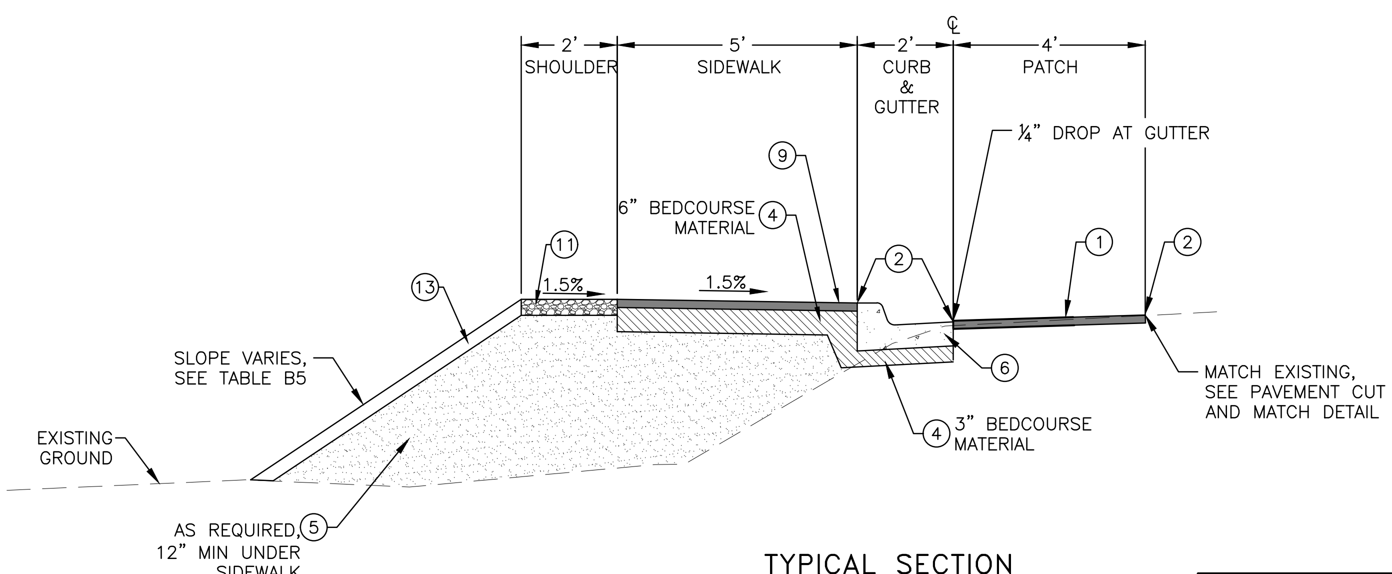
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	B2	1

NOTES:

1. BASE COURSE, GRADING D1, MAY BE USED UNDER DRIVEWAYS, SIDEWALKS, AND CURBING AS A SUBSTITUTE FOR 2–INCH MINUS SHOT ROCK BASE COURSE.



TYPICAL SECTION
MAIER DR
"06" STA. 0+14.50 TO "06" STA. 1+03.50



TYPICAL SECTION
PATHWAY
"CR1" STA.11+25.87 TO STA. 11+92.07
[SHEET G6]

TABLE B5

"CR1" STATION	LT SLOPE
11+26 to 11+75	SLOPE VARIES, DAYLIGHT FILL 0.5' CLEAR OF THE ROW
11+75 to 12+22	2:1

LEGEND

1. 2" HOT MIX ASPHALT, TYPE II; CLASS B,
2. STE–1 ASPHALT FOR TACK COAT
3. 2" ASPHALT TREATED BASE COURSE
4. 2–INCH MINUS SHOT ROCK/BASE COURSE, SEE NOTE 1
5. SHOT ROCK BORROW
6. STANDARD CURB AND GUTTER
7. LIMITS OF EXCAVATION
8. NON–WOVEN GEOTEXTILE, SEPARATION
9. 2.5" ASPHALT SIDEWALK
10. LINEAR GRADING
11. 4" SURFACE COURSE, GRADING E1
12. 12" RIPRAP, CLASS I
13. 4" TOPSOIL, SEED & BFM

STATE OF ALASKA 49TH TRAVIS DENNISON CE 11996 9/26/18 REGISTERED PROFESSIONAL ENGINEER

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

PE ____________

STATE OF ALASKA
DEPT. OF TRANSPORTATION AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

TYPICAL SECTIONS

FILE Q:\Jnu\67408\Planset\67408_B1_Typical.dwg | DATE 4/12/2018 11:54 | LAYOUT B2 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	D1	6

202(1) REMOVAL OF STRUCTURES AND OBSTRUCTIONS

STATION	OFFSET	REMARKS
07+96	23 LT	PCC HEADWALL
09+42	24 RT	6-25-19 PCC HEADWALL EST 3
09+58	13 RT	6-25-19 PCC HEADWALL EST 3
12+29	22 RT	6-24-19 PCC HEADWALL EST 3
12+36	21 RT	6-24-19 PCC HEADWALL EST 3
12+63	20 RT	6-24-19 PCC HEADWALL EST 3
12+83	20 RT	6-24-19 PCC HEADWALL EST 3
13+21	20 RT	6-24-19 PCC HEADWALL EST 3
14+71	21 RT	6-23-19 PCC HEADWALL EST 3
15+62	20 LT	6-13-19 PCC HEADWALL EST 2
18+42	28 RT	8/21/19 BOLLARDS (2 EA)
22+35	30 RT	8/6/19 BOLLARDS (3 EA)
22+96	96 LT	6-7-19 PCC HEADWALL EST 2
22+99	38 RT	Not found MISC CONCRETE 6'X8' PCC STRUCTURE
23+05	30 LT	Not found MISC SIGN/STRUCTURE FOUNDATION
24+71	24 LT	6-8-19 PCC HEADWALL EST 2
24+99	22 LT	6-8-19 PCC HEADWALL EST 2
25+33	28 LT	CONCRETE GUTTER, SAWCUT & REMOVE AS NEEDED TO MATCH DITCH BACKSLOPE
26+11	29 LT	CONCRETE GUTTER, SAWCUT & REMOVE AS NEEDED TO MATCH DITCH BACKSLOPE
26+44	25 LT	6-9-19 PCC HEADWALL EST 2
26+64	26 LT	CONCRETE GUTTER, SAWCUT & REMOVE AS NEEDED TO MATCH DITCH BACKSLOPE
27+25	21 RT	PCC HEADWALL
27+95	24 LT	8/8/19 BOLLARDS (2 EA)

202(6) REMOVAL OF MANHOLE Estimate Complete

STATION	OFFSET	REMARKS
16+10	23 RT	6/22/19
16+09	23 LT	6/13/19 CAUTION: COORDINATE SSWR SERVICE CONFLICT PRIOR TO REMOVAL
27+27	28 LT	6/25/19
29+09	27 LT	6/21/19

202(7) REMOVAL OF JUNCTION BOX

STATION	OFFSET	REMARKS
06+00	32 RT	

202(8) REMOVAL OF INLET Estimate Complete

STATION	OFFSET	REMARKS
11+56	135 RT	7-22-19 EST 5
21+88	22 RT	Hooked 6-6-19 EST 2
29+10	23 RT	6-21-19 EST 3
29+43	22 RT	6-22-19 EST 3
29+47	35 LT	6-20-19 EST 3
29+73	34 LT	6-20-19 EST 3
29+79	22 RT	6-21-19 EST 3

202(9) REMOVAL OF CURB AND GUTTER Estimate Complete

BEGIN STATION	BEGIN OFFSET (FT)	END STATION	END OFFSET (FT)	LENGTH (FT)	REMARKS
29+29	15 LT	29+45	104 LT	97	6/18/19
29+74	104 LT	29+94	15 LT	99	6/19/19

202(4) REMOVAL OF CULVERT PIPE

BEGIN STATION	END STATION	OFFSET (FT)	DIAMETER (IN)	LENGTH (FT)	TYPE	REMARKS
7+08	7+36	33 RT	18	29	CMP	CAUTION: UNDERGROUND UTILITIES
7+91	8+35	25 LT	18	44	CMP	
9+43	9+58	22 RT	18	15	CPP	
9+99	11+59	22 RT	18	161	CMP	
11+67	12+63	21 RT	18	63	CMP	
10+88	11+28	20 LT	18	40	CMP	
11+38	11+56	178 RT	12	~~46~~ 45	CPP	Bentwood 7-22-19
12+82	13+21	22 RT	24	39	CMP	
14+15	14+45	22 RT	24	30	CMP	
14+73	15+14	21 LT	18	41	CPP	SALVAGE PIPE AND DELIVER TO DON ABEL BLDG SUPPLY, 9999 GLACIER HWY
14+72	15+56	22 RT	18	84	CMP	
15+39	15+49	21 RT	18	11	CMP	
15+63	16+08	21 RT	18	45	CMP	
16+12	16+23	23 RT	18	11	CMP	
16+10	16+10	21 RT	36	43	CMP	
15+62	15+87	21 LT	18	25	CMP	
16+09	16+09	24 LT	36	11±	CMP	REMOVE AS NEEDED TO INSTALL NEW STRUCTURE
16+11	16+56	23 LT	18	45	CMP	
16+80	17+60	21 RT	18	80	CMP	
17+60	17+56	23 RT	4	8± 2	PVC	6/3/19 REMOVE AS NEEDED TO INSTALL NEW STRUCTURE
17+39	17+79	21 LT	18	40	CMP	
17+68	18+31	22 RT	18	64	CMP	
18+38	18+48	22 RT	18	10	CMP	
18+73	19+17	20 LT	18	44	CMP	
19+19	19+19	21 LT	12	4±	CPP	REMOVE AS NEEDED TO MATCH DITCH BACKSLOPE
19+64	19+87	22 RT	18	23	CMP	
19+54	19+77	20 LT	18	24	CMP	
20+44	20+68	22 RT	18	24	CMP	
21+15	21+87	22 RT	12	71	CMP	
21+89	22+37	22 RT	12	48	CMP	
22+91	22+91	45 RT	18	28	CMP	
22+97	22+96	95 LT	18	30	CMP	
23+29	24+01	19 RT	12	71	CPP	
24+58	24+98	19 RT	18	40	CMP	
~~24+71~~	~~25+01~~	~~22~~ LT	~~18~~	~~30~~	~~CMP~~	
25+15	25+12	25 LT	8	1±	PVC	REMOVE AS NEEDED TO MATCH DITCH BACKSLOPE
25+33	25+33	25 LT	4	1±	PVC	REMOVE AS NEEDED TO MATCH DITCH BACKSLOPE
25+81	25+81	24 RT	4	8±	PVC	REMOVE AS NEEDED TO INSTALL NEW STRUCTURE
25+87	26+27	22 RT	18	40	CMP	
26+04	26+43	22 LT	18	39	CMP	
26+90	27+26	23 LT	24	36	CMP	
27+27	27+24	27 LT	24	24	CMP	
27+27	29+08	28 LT	18	181	CPP	
29+09	29+10	26 LT	18	49	CPP	
29+10	29+42	23 RT	12	32	CPP	
29+43	29+43	23 RT	12	8	CPP	
29+44	29+78	22 RT	12	34	CPP	
29+79	30+40	22 RT	12	61	CPP	
29+09	29+46	27 LT	18	38	CPP	
29+47	29+73	35 LT	18	26	CPP	
29+74	29+96	34 LT	18	23±	CPP	REMOVE AS NEEDED TO INSTALL NEW STRUCTURE
29+73	29+73	35 LT	18	74±	CPP	REMOVE AS NEEDED TO INSTALL NEW STRUCTURE

STATE OF ALASKA 49TH TRAVIS DENNISON CE 11996 9/26/18 REGISTERED PROFESSIONAL ENGINEER

Record Drawings Revisions
Project Engineer, and represent to the best of my knowledge, the project as constructed.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

PE _____

SUMMARIES

DESIGNED CL, TD, BW | DRAFTED JT | CHECKED LG | LAYOUT D1 | DATE 9/26/2018 11:58 | FILE Q:\Jnu\67408\Planset\67408_D1_Summaries.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	D2	6

603(21-) CPP PIPE SUMMARY

PIPE		INLET			OUTLET			PIPE			REMARKS
NUMBER	SIZE	STATION	OFFSET	INV.	STATION	OFFSET	INV.	LENGTH	SLOPE	MATERIAL	
P-1 ✓	18"	S-1		26.70	S-2		26.66	21' 18.18'	0.23%	TYPE-S	6-24-19 CAUTION: UNDERGROUND UTILITIES
P-2 ✓	18"	S-2		26.56	S-3		26.44	49' 47.44'	0.25%	TYPE-S	6-24-19 CAUTION: WATER MAIN CROSSING
P-3 ✓	18"	S-4		24.97	S-5		24.53	52' 51.37'	0.85%	TYPE-S	6-14-19
P-4 ✓	12"	S-6		24.05	S-7		23.64	15' 15.48'	2.64%	TYPE-S	6-11-19
P-5 ✓	12"	S-7		23.54	S-8		23.19	36.5' 35.50'	1.00%	TYPE-S	6-11-19
P-6 ✓	18"	S-9		22.40	S-10		22.17	48.5' 48.68'	0.60%	TYPE-S	6-10-19
P-7 ✓	12"	S-11		22.87	S-12		21.99	37.5' 35.50'	2.48%	TYPE-S	6-11-19 CAUTION: WATER MAIN CROSSING
P-8 ✓	18"	S-13		22.10	S-14		21.79	100' 99.09'	0.31%	TYPE-S	6-10-19 CAUTION: WATER MAIN CROSSING
P-9 ✓	12"	S-15		22.74	S-16		21.65	37.5' 35.50'	3.06%	TYPE-S	6-11-19 CAUTION: WATER MAIN CROSSING
P-10	12"	S-17		21.99	S-18		21.56	29' 28.71'	1.50%	TYPE-S	6-23-19
P-11 ✓	12"	S-18		21.46	S-19		20.93	36.5' 35.50'	1.50%	TYPE-S	6-23-19 CAUTION: WATER MAIN CROSSING
P-12 ✓	12"	S-20		21.95	S-21		21.47	26.5' 25.33'	1.90%	TYPE-S	6-22-19
P-13 ✓	12"	S-21		21.37	S-22		20.66	37' 35.50'	2.00%	TYPE-S	6-22-19 CAUTION: WATER MAIN CROSSING
P-14 ✓	30"	S-23		20.59	S-24		19.42	57.5' 55.20'	2.13%	TYPE-S	6-14-19
P-16 ✓	30"	S-25		20.65	S-72		19.97	56.5' 56.27'	1.22%	TYPE-S	6-22-19
P-17 ✓	24"	S-27		20.84	S-26		20.71	58.5' 48.68'	0.25%	TYPE-S	6-4-19
P-19 ✓	12"	S-28		22.90	S-29		21.37	12' 18.65'	8.22%	TYPE-S	6-3-19
P-20	12"	S-29		21.27	S-30		20.84	44' 43.05'	1.00%	TYPE-S	6-3-19 CAUTION: WATER MAIN CROSSING
P-21 ✓	12"	S-31		21.33	S-32		21.24	26' 29.05'	0.31%	TYPE-S	6-4-19
P-22 ✓	12"	S-32		21.14	S-33		20.99	39' 36.92'	0.40%	TYPE-S	6-4-19 CAUTION: WATER MAIN CROSSING
P-23 ✓	18"	S-35		21.65	S-34		21.23	49.5 48.68'	0.86%	TYPE-S	6-5-19
P-24 ✓	12"	19+61.83	37.23 RT	22.57	S-36		22.23	15.5' 10.00'	3.40%	TYPE-S	CONNECT TO EXISTING 18" CPP, F&I 18"X12" REDUCER 6-5-19
P-25 ✓	12"	S-36		22.13	S-37		21.79	49.5' 57.34'	0.60%	TYPE-S	6-5-19 CAUTION: WATER MAIN CROSSING
P-26 ✓	18"	S-39		22.30	S-38		21.83	50' 48.68'	0.96%	TYPE-S	6-5-19
P-27 ✓	12"	S-40		23.25	S-41		23.04	52' 51.25'	0.40%	TYPE-S	6-5-19 SEE PHASING PLAN REQUIREMENTS (SHEET S1). CAUTION: WATER MAIN CROSSING
P-29 ✓	12"	S-42		23.13	S-43		22.97	41' 41.09'	0.40%	TYPE-S	6-6-19
P-30 ✓	12"	S-43		22.86	S-44		22.75	24.5 24.45'	0.45%	TYPE-S	6-6-19 CAUTION: BURIED FIRE HYDRANT LINE
P-31 ✓	12"	S-44		22.65	S-46		22.46	48' 47.71'	0.40%	TYPE-S	6-7-19 CAUTION: WATER MAIN CROSSING
P-32 ✓	18"	S-45		22.37	S-46		22.22	39' 38.21'	0.40%	TYPE-S	6-6-19
P-33 ✓	18"	S-46		22.12	S-47		22.00	30' 32.53'	0.38%	TYPE-S	6-7-19
P-34 ✓	18"	S-47		21.90	S-48		21.75	39' 37.09'	0.40%	TYPE-S	6-8-19 CAUTION: WATER MAIN CROSSING
P-35 ✓	18"	S-48		21.65	S-50		21.58	19' 18.54'	0.40%	TYPE-S	6-8-19
P-36 ✓	12"	S-49		23.02	S-48		22.58	22' 21.82'	2.00%	TYPE-S	6-8-19 P-36 original measure of 31.5' was a miss measure
P-37 ✓	18"	S-52		23.20	S-51		23.11	43' 42.80'	0.20%	TYPE-S	6-8-19
P-38	18"	S-53		21.28	S-54		21.17	50' 48.68'	0.22%	TYPE-S	6-8-19
P-39 ✓	18"	S-55		20.98	S-56		20.87	60' 52.29'	0.22%	TYPE-S	6-9-19
P-41 ✓	12"	S-60		23.02	S-59		22.51	13' 14.85'	3.44%	TYPE-S	6-12-19
P-42 ✓	12"	S-59		22.41	S-76		20.71	38' 35.50'	4.78%	TYPE-S	6-12-19 CAUTION: WATER MAIN CROSSING
P-43 ✓	24"	S-57		20.63	S-58		20.59	25' 20.00'	0.20%	TYPE-S	7-18-19 CAUTION: UNDERGROUND UTILITIES
P-44 ✓	24"	S-58		20.54	S-77		20.49	23.5' 23.15'	0.20%	TYPE-S	6-24-19
P-45 ✓	12"	S-65		21.48	S-68		21.57	22' 22.47'	0.40%	TYPE-S	6-22-19
P-46 ✓	12"	S-61		22.30	S-62		22.25	12' 11.77'	0.40%	TYPE-S	6-21-19
P-47 ✓	12"	S-62		22.15	S-63		20.98	43' 41.33'	2.83%	TYPE-S	6-21-19 CAUTION: WATER MAIN CROSSING
P-48 ✓	24"	S-63		20.18	S-64		20.13	21' 22.57'	0.20%	TYPE-S	6-20-19
P-49 ✓	24"	S-64		20.08	S-66		19.96	60' 58.43'	0.20%	TYPE-S	CAUTION: WATER MAIN CROSSING. COORDINATE WATER MAIN RELOCATION WORK IN ADVANCE WITH THE ENGINEER. 6-20-19
P-50 ✓	12"	S-65		21.38	S-66		21.13	64' 63.11'	0.40%	TYPE-S	6-21-19 CAUTION: WATER MAIN CROSSING
P-51 ✗	18"	S-67		19.76	29+72.84	108.49 LT	19.74	8.30'	0.25%	TYPE-S	Did not install. CONNECT TO EXISTING 18" CPP Connected to existing
P-52 ✓	24"	S-66		19.91	S-67		19.77	71' 69.57'	0.20%	TYPE-S	6-19-19
P-53 ✓	18"	S-66		20.17	29+96.44	32.11 LT	20.13	7.46'	0.47%	TYPE-S	Reused old piece of cpp CONNECT TO EXISTING 18" CPP
P-55 ✓	30"	S-69		20.89	S-70		20.70	55' 54.01'	0.35%	TYPE-S	FIELD ADJUST OUTLET LOCATION IF NEEDED TO AVOID UTILITY POLE CONFLICT. STAKE LOCATION IN ADVANCE FOR APPROVAL BY THE ENGINEER. 6-10-19
P-56 ✓	12"	S-71		23.19	S-72		21.30	54' 53.85'	3.50%	TYPE-S	6-22-19 CAUTION: WATER MAIN CROSSING
P-57 ✓	30"	S-72		19.87	S-24		19.32	46' 45.15'	1.22%	TYPE-S	6-21-19
P-58 ✓	8"	S-73		23.75	24+22.14	18.79 LT	23.29	48.5 45.64'	1.00%	TYPE-S	6-9-19 CAUTION: WATER MAIN CROSSING
P-59 ✓	8"	S-74		23.59	25+20.33	18.81' LT	23.13	47' 45.63'	1.00%	TYPE-S	6-13-19 CAUTION: WATER MAIN CROSSING
P-60 ✓	8"	S-75		22.77	25+80.57	19.56' LT	22.31	47.5' 46.37'	1.00%	TYPE-S	6-13-19 CAUTION: WATER MAIN CROSSING
P-62 ✓	24"	S-77		20.44	S-63		20.23	104' 103.42'	0.20%	TYPE-S	6-24-19

202(10) SINGLE MAIL BOX INSTALLATION

STATION	OFFSET	REMARKS
16+00	LT	SALVAGE AND REINSTALL EXISTING BOX. FIELD ADJUST LOCATION AS REQ'D TO AVOID CONFLICT WITH STORM DRAIN PIPING
27+10	RT	SALVAGE AND REINSTALL EXISTING BOX

202(11) MULTIPLE MAIL BOX INSTALLATION

STATION	OFFSET	REMARKS
16+17	RT	SALVAGE AND REINSTALL EXISTING BOX
16+77	LT	SALVAGE AND REINSTALL EXISTING BOX. FIELD ADJUST LOCATION AS REQ'D TO AVOID CONFLICT WITH STORM DRAIN PIPING
29+79	LT	SALVAGE AND REINSTALL EXISTING BOX. FIELD ADJUST LOCATION AS REQ'D TO AVOID CONFLICT WITH STORM DRAIN PIPING

301(4) AGGREGATE SURFACE COURSE, GRADING E-1

BEGIN STATION	END STATION	OFFSET	AREA (SY)	DEPTH (IN)	REMARKS
05+58	09+88	RT	90	4	
11+20	11+86	RT	71	4	
12+03	12+93	RT	93	4	
13+27	13+97	RT	55	4	
14+31	14+79	RT	26	4	
15+32	15+68	RT	27	4	
15+87	16+20	LT	37	4	AREA DRAIN GRADING
16+00	16+92	RT	68	4	
17+26	17+77	RT	24	4	
18+15	19+67	RT	279	4	
19+88	20+26	RT	21	4	
20+60	21+21	RT	39	4	
22+86	23+30	RT	26	4	
24+02	24+62	RT	28	4	
24+96	25+99	RT	47	4	
26+24	27+43	RT	73	4	
27+13	27+35	LT	20	5	
27+68	29+17	RT	65	4	
29+03	29+16	LT	9	4	AREA DRAIN GRADING
29+62	30+62	RT	55	4	
29+27	30+17	LT	20	4	MAIER DR GRADING BEHIND CURB
30+38	32+21	RT	66	4	SPECIAL DITCH

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STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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

PE ____________

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

SUMMARIES

FILE Q:\Jnu\67408\Planset\67408_D1_Summaries.dwg | DATE 9/26/2018 11:58 | LAYOUT D2 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	D3	6

HEADWALL NOTES:

1. STATION/OFFSET REFERENCE FOR HEADWALLS SHALL BE STAKED TO THE BOTTOM EDGE OF THE PIPE MITER AND CENTERED ON THE PIPE.

604(16A) CONCRETE HEADWALL WITH HINGED TRASH RACK, SEE CBJ STD #104A

STRUCTURE NUMBER	STATION (FT)	OFFSET (FT)	REMARKS
S-1	6+91.33	32.43 RT	7/30/19
S-4	7+89.64	26 LT	7/30/19
S-6	9+96.44	29.00 RT	8/14/19
S-9	10+79.03	22 LT	7/30/19
S-13	12+15.95	78.09 RT	7/31/19
S-17	14+75.18	38.80 RT	7/30/19
S-23	15+54.59	22 LT	7/29/19
S-25	17+10.58	22 LT	7/29/19
S-27	17+83.27	22 LT	8/9/19
S-28	17+69.71	28.94 RT	Deleted
S-35	19+15.27	22 LT	7/29/19
S-39	19+84.82	22 LT	7/29/19
S-40	20+73.84	30.25 RT	7/30/19 SEE PHASING PLAN REQUIREMENTS (SHEET S1)
S-41	20+73.84	21 LT	8/12/19
S-45	22+91.32	78.30 RT	8/7/19
S-49	22+96.46	42.03 LT	7/27/19
S-52	22+96.46	131.20 LT	7/27/19
S-53	24+60.41	22 LT	7/27/19
S-55	26+00.79	22 LT	7/27/19
S-57	24+62.98	22 LT	7/27/19
S-60	27+25.22	29.35 RT	7/30/19
S-69	14+71.34	22 LT	7/27/19 Verify Correct Install prior to estimate
S-71	16+50.41	28 ~~LT~~ RT	8-7-19

604(16B) CONCRETE HEADWALL WITHOUT HINGED TRASH RACK, SEE CBJ STD #104B

STRUCTURE NUMBER	STATION (FT)	OFFSET (FT)	REMARKS Complete
S-3	6+88.33	32.94 LT	7/30/19
S-5	8+40.85	22 LT	7/30/19
S-8	9+91.02	21 LT	8/12/19
S-10	11+27.71	22 LT	7/29/19
S-12	11+60.00	21 LT	8/12/19
S-14	12+15.95	21 LT	8/12/19
S-16	12+54.06	21 LT	8/12/19
S-19	14+59.89	21 LT	8/14/19
S-22	15+37.34	21 LT	8/12/19
S-26	17+34.59	22 LT	7/27/19
S-30	17+84.67	21 LT	8/12/19
S-33	18+37.92	21 LT	8/12/19
S-34	18+66.59	22 LT	7/27/19
S-37	19+30.76	21 LT	8/12/19
S-38	19+36.14	22 LT	7/27/19
S-50	23+23.66	22 LT	7/27/19
S-51	22+96.46	88.4 LT	7/27/19
S-54	25+09.09	22 LT	7/27/19
S-56	26+53.08	22 LT	7/27/19
S-70	15+25.34	20.91 LT	7/29/19 FIELD ADJUST OUTLET LOCATION IF NEEDED TO AVOID UTILITY POLE CONFLICT. STAKE LOCATION IN ADVANCE FOR APPROVAL BY THE ENGINEER.
S-76	27+25.22	21 LT	8/12/19

Do we need source documentation

603(1-) CSP PIPE SUMMARY

Due to existing pipe size (30") P-15 was not laid with 36" pipe. Used existing 30".

PIPE		INLET			OUTLET			PIPE			
NUMBER	SIZE	STATION	OFFSET	INV.	STATION	OFFSET	INV.	LENGTH	SLOPE	MATERIAL	REMARKS
P-15	36"	S-24		18.47	16+09.38	34.67 LT	18.42	6.00'	0.76%	TYPE-S	CONNECT TO EXISTING 36" CSP

603(25-) PVC PIPE SUMMARY

PIPE		INLET			OUTLET			PIPE		REMARKS
NUMBER	SIZE	STATION	OFFSET	INV.	STATION	OFFSET	INV.	LENGTH	SLOPE	
✓ P-18	4"	CO-1		23.56	S-29		22.66	10' ~~15.42~~	5.82%	6-3-19 ADD ELBOW FITTINGS AS REQUIRED
✓ P-28	4"	CO-2		23.42	S-42		23.23	11.5' ~~9.42~~	2.00%	6-6-19 ADD ELBOW FITTINGS AS REQUIRED
✓ P-40	8"	CO-9		22.83	S-59		22.51	13.5' 15.93	2.00%	6-12-19 ADD ELBOW FITTINGS AS REQUIRED TO CONNECT TO S-59
✓ P-54	8"	29+42.98	31 RT	21.69	S-68		21.67	5.00	0.40%	Tied into existing. No new pipe CONNECT TO EXISTING 8" PVC PIPE
P-61	4"	25+80.06	31.78 RT	23.8 ±	S-75		22.87	2.5' 5.00	20% ±	CONNECT TO EXISTING 4" PVC PRIVATE DRAIN LINE, ADD ELBOW AND ADAPTER FITTINGS AS REQUIRED 6-12-19
P-63	4"	16+90.35	56.51 RT	23.7 ±	CO-10		21.50	30.00	7.43%	FIELD LOCATE AND CONNECT TO EXISTING 4" PVC OUTFALL, ADJUST SLOPE AND ADD ELBOW AND ADAPTING FITTINGS AS REQUIRED. IF EXISTING PVC OUTFALL IS NOT FOUND, OMIT PIPES P-63, P-64 AND CLEANOUT C0-10. Did not install
P-64	4"	CO-10		21.50	S-72		19.90	27.5' 59.72	2.68%	ADD ELBOW FITTINGS AS REQUIRED. CAUTION: WATER MAIN CROSSING. OMIT PIPE P-64 IF P-63 IS OMITTED. 6-22-19

603(27) STORM SEWER CLEANOUT

CLEANOUT			RIM	PIPE		REMARKS
NUMBER	STATION	OFFSET	ELEV	SIZE	MATERIAL	
CO-1	17+55.92	29.28 RT	24.77 ±	4"	PVC	CONNECT TO EXISTING 4" PVC LINE, ADD ELBOWS AND FITTINGS AS REQUIRED.
CO-2	21+87.51	23.92 RT	25.58 ±	4"	PVC	CONNECT TO EXISTING 4" PVC LINE, ADD ELBOWS AND FITTINGS AS REQUIRED. OMIT FIBERGLASS UTILITY MARKER
CO-3	24+02.33	26.85 RT	26.04 ±	8"	CPP	CONNECT TO FRENCH DRAIN
CO-4	24+61.54	26.84 RT	26.08 ±	8"	CPP	CONNECT TO FRENCH DRAIN
CO-5	24+95.54	26.83 RT	26.10 ±	8"	CPP	CONNECT TO FRENCH DRAIN
CO-6	25+45.13	26.82 RT	25.88 ±	8"	CPP	CONNECT TO FRENCH DRAIN
CO-7	25+54.75	26.81 RT	25.81 ±	8"	CPP	CONNECT TO FRENCH DRAIN
CO-8	25.95.66	26.80 RT	25.73 ±	8"	CPP	CONNECT TO FRENCH DRAIN
CO-9	27+20.51	29.72 RT	24.40 ±	8"	PVC	FIELD LOCATE AS REQUIRED TO CONNECT TO EXISTING 8" PVC LINE WITHIN CBJ ROW, ADD ELBOWS AND FITTINGS AS REQUIRED.
CO-10	16+78.34	29.02 RT	21.85 ±	4"	PVC	FIELD LOCATE EXISTING 4" PVC LINE, ADD ELBOWS AND FITTINGS AS REQUIRED. OMIT FIBERGLASS UTILITY MARKER. IF PIPE P-63 IS OMITTED, OMIT CLEANOUT CO-10.

NOT INSTALLED

Type text here

STATE OF ALASKA 49 TH TRAVIS DENNISON CE 11996 9/26/18 REGISTERED PROFESSIONAL ENGINEER

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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

SUMMARIES

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	D4	6

604(1B) STORM SEWER MANHOLE, TYPE I

MANHOLE ID	STATION	OFFSET (FT)	RIM ELEVATION	CASTING TYPE	REMARKS
S-2	6+99.33	14.50 RT	30.24	STANDARD CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM WATER MAIN TO MAXIMIZE SEPARATION. INSULATE STRUCTURE PER SPECIFICATIONS. 6-24-19
S-18	14+59.89	14.50 RT	25.36	STANDARD CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM WATER MAIN TO MAXIMIZE SEPARATION. INSULATE STRUCTURE PER SPECIFICATIONS. 6-23-19
S-21	15+37.34	14.50 RT	25.13	STANDARD CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM WATER MAIN TO MAXIMIZE SEPARATION. INSULATE STRUCTURE PER SPECIFICATIONS. 6-22-19
S-29	17+60.31	14.50 RT	24.46	STANDARD CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM WATER MAIN TO MAXIMIZE SEPARATION. INSULATE STRUCTURE PER SPECIFICATIONS. 6-3-19
S-32	18+37.92	15.92 RT	24.20	STANDARD CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM WATER MAIN TO MAXIMIZE SEPARATION. INSULATE STRUCTURE PER SPECIFICATIONS. 6-4-19
S-36	19+61.83	27.23 RT	24.50	24" ROUND INLET, SLOTTED GRATE	CONSTRUCT CAST-IN-PLACE REDUCING SLAB, SEE DETAIL SHEET E8 6-5-19
S-46	22+90.96	40.09 RT	25.14	24" ROUND INLET, SLOTTED GRATE	CONSTRUCT CAST-IN-PLACE REDUCING SLAB, SEE DETAIL SHEET E8 6-7-19
S-47	23+11.17	14.60 RT	25.70	STANDARD CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM WATER MAIN TO MAXIMIZE SEPARATION. INSULATE STRUCTURE PER SPECIFICATIONS. 6-7-19
S-48	23+05.12	22.00 LT	25.63	24" ROUND INLET, SOLID COVER WITH 'STORM' LETTERING	PRECAST REDUCING SLAB PER SHEET E3. TOP GRADE RING SHALL BE A MANUFACTURED RUBBER GRADE RING. 6-8-19
S-58	27+82.18	27.60 LT	24.96	24" ROUND INLET, SOLID COVER WITH 'STORM' LETTERING	PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM THE LOCATED UNDERGROUND UTILITIES. TOP GRADE RING SHALL BE A MANUFACTURED RUBBER GRADE RING. 6-24-19
S-59	27+25.22	14.5 RT	25.37	VALLEY CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM WATER MAIN TO MAXIMIZE SEPARATION. INSULATE STRUCTURE PER SPECIFICATIONS. 6-12-19
S-63	29+08.74	26.82 LT	~~23.95~~	24" ROUND INLET, SLOTTED GRATE	CONSTRUCT CAST-IN-PLACE REDUCING SLAB, SEE DETAIL SHEET E8 6-20-19
S-64	29+30.56	32.56 LT	24.56	STANDARD CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. TIE-IN UNDERDRAIN. 6-20-19
S-65	29+65.50	26.00 RT	24.75	24" ROUND INLET, SLOTTED GRATE	PRECAST REDUCING SLAB PER SHEET E3. CONSTRUCT AREA DRAIN PER CBJ STD 310 6-21-19
S-66	29+88.99	32.58 LT	24.64	STANDARD CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. 6-19-19
S-67	29+72.61	100.20 LT	24.11	STANDARD CURB INLET	PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM THE CURB TO ACCOMMODATE EXISTING STORM EXTENSION. INSULATE STRUCTURE PER SPECIFICATIONS. 6-19-19
S-68	29+43.02	26.00 RT	24.95	24" ROUND INLET, SLOTTED GRATE	PRECAST REDUCING SLAB PER SHEET E3. CONSTRUCT AREA DRAIN PER CBJ STD 310 6-22-19
S-72	16+54.43	25.70 LT	24.53	24" ROUND INLET, SLOTTED GRATE	PRECAST REDUCING SLAB PER SHEET E3. CONSTRUCT AREA DRAIN PER CBJ STD 310 6-21-19
S-77	28+05.32	27.46 LT	24.50	24" ROUND INLET, SLOTTED GRATE	PRECAST REDUCING SLAB PER SHEET E3. CONSTRUCT AREA DRAIN PER CBJ STD 310. TIE-IN UNDERDRAIN. INSULATE STRUCTURE PER SPECIFICATIONS. 6-24-19

604(5A) INLET TYPE III, SEE CBJ STD #304A

INLET ID	STATION	OFFSET	RIM ELEVATION	CASTING TYPE	REMARKS
S-7	9+91.02	14.50 RT	25.91	STANDARD CURB INLET	6-11-19 INSULATE STRUCTURE PER SPECIFICATIONS
S-11	11+60.00	14.50 RT	25.12	STANDARD CURB INLET	6-11-19 INSULATE STRUCTURE PER SPECIFICATIONS
S-15	12+54.06	14.50 RT	24.99	STANDARD CURB INLET	6-11-19 INSULATE STRUCTURE PER SPECIFICATIONS
S-20	15+21.37	34.16 RT	24.25	24" ROUND INLET, SLOTTED GRATE	6-22-19 CONSTRUCT AREA DRAIN PER CBJ STD 310
S-31	18+21.42	39.83 RT	23.58	24" ROUND INLET, SLOTTED GRATE	6-4-19 CONSTRUCT AREA DRAIN PER CBJ STD 310
S-42	21+87.51	14.50 RT	25.48	VALLEY CURB INLET	INSULATE STRUCTURE PER SPECIFICATIONS. TIE-IN UNDERDRAIN. 6-6-19
S-43	22+28.59	15.28 RT	25.36	STANDARD CURB INLET	6-6-19 INSULATE STRUCTURE PER SPECIFICATIONS
S-44	22+43.57	34.60 RT	25.00	24" ROUND INLET, SLOTTED GRATE	6-6-19 CONSTRUCT AREA DRAIN PER CBJ STD 310
S-61	29+12.50	26.00 RT	24.55	24" ROUND INLET, SLOTTED GRATE	6-21-19 CONSTRUCT AREA DRAIN PER CBJ STD 310
S-62	29+08.00	14.50 RT	24.85	STANDARD CURB INLET, BI-DIRECTIONAL GRATE	6-21-19 INSULATE STRUCTURE PER SPECIFICATIONS
S-73	24+22.14	26.85 RT	25.85	24" ROUND INLET, SLOTTED GRATE	6-9-19 CONSTRUCT AREA DRAIN PER CBJ STD 310. INSULATE STRUCTURE PER SPECIFICATIONS.
S-74	25+20.33	26.82 RT	25.69	24" ROUND INLET, SLOTTED GRATE	Verify Date CONSTRUCT AREA DRAIN PER CBJ STD 310. INSULATE STRUCTURE PER SPECIFICATIONS.
S-75	25+80.57	26.81 RT	24.87	24" ROUND INLET, SLOTTED GRATE	6-12-19 CONSTRUCT AREA DRAIN PER CBJ STD 310. INSULATE STRUCTURE PER SPECIFICATIONS.

604(3) RECONSTRUCT EXISTING MANHOLE

STATION	OFFSET (FT)	REMARKS
06+81	10 LT	
08+14	11 LT	
12+35	11 LT	
15+08	12 LT	
18+13	12 LT	
20+45	12 LT	
22+78	11 LT	
26+26	13 LT	
29+68	13 LT	

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UPDATE

604(1A) STORM SEWER MANHOLE, TYPE II OIL WATER SEPARATOR

Estimate Complete

MANHOLE ID	STATION	OFFSET (FT)	RIM ELEVATION	CASTING TYPE	REMARKS
S-24	16+09.38'	Get Elevation From Arete ~~28.67~~ 21 LT	24.25'	24" ROUND INLET, SLOTTED GRATE	CONSTRUCT AREA DRAIN PER CBJ STD 310. COORDINATE WITH THE ENGINEER IN ADVANCE FOR SURVEY MONUMENT REPLACEMENT (PROPERTY CORNER # 1397). TIE-IN UNDERDRAIN. PRECAST REDUCING SLAB PER SHEET E3. INSTALL WITH ECCENTRIC OFFSET ORIENTED AWAY FROM THE RIGHT-OF-WAY TO MAXIMIZE SEPARATION DISTANCE BETWEEN PIPES AND ROW. 6-13-19

Due to the existing outlet of S-24 being 30" rather then the planned 36" this structures outlet was converted to 30". The structure was moved closer to centerline to avoid conflicts with Formal Express roof drain and sewer pipe.

MANHOLE AND INLET STRUCTURE NOTES:

1. STATION/OFFSET REFERENCE FOR CURB INLET IS TO THE LIP OF THE GUTTER. CENTER THE OUTSIDE EDGE OF THE INLET FRAME WITH THE LIP OF THE GUTTER, CENTERED ABOUT THE REFERENCE POINT. RIM ELEVATIONS SHOWN ALREADY ACCOUNT FOR LOCAL DEPRESSION PER CBJ STD 309.
2. STATION/OFFSET REFERENCE FOR AREA DRAIN OR ROUND INLETS IS TO THE CENTER OF THE FRAME CASTING.

STATE OF ALASKA 49 TH TRAVIS DENNISON CE 11996 REGISTERED PROFESSIONAL ENGINEER 9/26/18

Record Drawings Information provided by STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
Project Engineer, and represents to the best of my knowledge, the Project as Constructed.
PE

INDUSTRIAL BLVD SIDEWALK AND WIDENING

SUMMARIES

FILE | Q:\jnu\67408\Planset\67408_D1_Summaries.dwg | LAYOUT | D4 | DESIGNED | CL, TD, BW | CHECKED | LG | DRAFTED | JT | DATE | 9/26/2018 11:58

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	D5	6

605(8) FRENCH DRAIN PIPE SUMMARY

%100 Complete

PIPE		INLET			OUTLET			PIPE			
NUMBER	SIZE	STATION	OFFSET	INV.	STATION	OFFSET	INV.	LENGTH	SLOPE	MATERIAL	REMARKS
FD-1A	8"	CO-3		24.05'	S-73		23.85'	19.81'	1.00%	CPP TYPE-C	6/17/19
FD-1B	8"	CO-4		24.24'	S-73		23.85'	39.40'	1.00%	CPP TYPE-C	6/17/19
FD-2A	8"	CO-5		23.94'	S-74		23.69'	24.79'	1.00%	CPP TYPE-C	6/17/19
FD-2B	8"	CO-6		23.94'	S-74		23.69'	24.79'	1.00%	CPP TYPE-C	6/17/19 COORDINATE WATER SERVICE RELOCATION WORK IN ADVANCE
FD-3A	8"	CO-7		23.13'	S-75		22.87'	25.82'	1.00%	CPP TYPE-C	6/17/19
FD-3B	8"	CO-8		23.02'	S-75		22.87'	15.09'	1.00%	CPP TYPE-C	6/17/19

609(2) CURB AND GUTTER, TYPE 1

BEGIN STATION	END STATION	OFFSET	LENGTH (FT)	REMARKS
INDUSTRIAL BLVD				
05+53.13	11+82.95	RT	650.56	
12+29.37	14+77.57	RT	263.12	
15+13.84	17+83.28	RT	288.68	
18+19.93	22+48.08	RT	444.06	
22+48.08	22+88.67	RT	781.85	
MAIER DRIVE				
00+20.42	01+03.50	LT	104.00	
00+20.42	01+03.50	RT	104.00	

605(3) 6 INCH PERFORATED PIPE UNDERDRAIN

STATION	LENGTH (FT)	REMARKS
INDUSTRIAL BLVD		
07+80	48	
09+00	44	
10+00	44	6/25/19
10+80	44	6/25/19
12+00	44	6/25/19
13+00	44	6/24/19
14+00	44	6/24/19
16+09	50	6/24/19 TIE INTO STRUCTURE S-24
17+20	44	6/26/19
18+00	44	6/26/19
19+20	44	
20+00	44	
21+00	44	
21+88	40	TIE INTO STRUCTURE S-42
24+00	44	6/25/19
25+15	44	6/25/19
26+00	44	6/25/19
27+00	44	6/25/19
28+05	50	6/25/19 TIE INTO STRUCTURE S-77
29+31	60	6/25/19 TIE INTO STRUCTURE S-64
BENTWOOD PL		
00+80	36	6/27/19
02+00	32	6/27/19

606(17) BOLLARD

%100 Complete

STATION	OFFSET	REMARKS
22+37	33' RT	8/9/19 CRAZY HORSE DRIVE
22+32	27' RT	8/9/19 CRAZY HORSE DRIVE
22+32	32' RT	8/9/19 CRAZY HORSE DRIVE

611(1) RIPRAP, CLASS I

BEGIN STATION	END STATION	OFFSET	AREA (SY)	DEPTH (IN)	REMARKS
07+51	07+96	LT	47	12	
08+30	10+86	LT	419	12	
11+21	14+81	LT	640	12	
12+04	12+12	RT	30	13	INCLUDES SPECIAL DITCH AT BENTWOOD DR
15+15	15+62	LT	80	12	
16+90	17+42	LT	66	12	
17+76	18+74	LT	142	12	
19+08	19+59	LT	65	12	
19+77	21+71	LT	243	12	
22+86	24+68	LT	462	12	INCLUDES SPECIAL DITCH AT CRAZY HORSE DR
25+02	26+07	LT	201	12	
26+46	27+71	LT	241	12	

608(6) CURB RAMP

%100 Complete

STATION	OFFSET (FT)	WARNING TILE RADIUS (FT)	REMARKS
5+60	53 RT	118	7/31/19 GLACIER HWY PATHWAY TIE-IN
11+75	21 RT	20	7/31/19 BENTWOOD PLACE (NW)
12+34	25 RT	25	8/7/19 BENTWOOD PLACE (SW)
14+75	26 RT	15, 98	7/31/19 CAMDEN PLACE (NW)
15+23	20 RT	20	7/31/19 CAMDEN PLACE (SW)
17+75	20 RT	20	7/30/19 DAWSON PLACE (NW)
18+25	27 RT	30	7/30/19 DAWSON PLACE (SW)
22+42	27 RT	25	8/7/19 CRAZY HORSE DRIVE (NW)
22+98	22 RT	25	7/30/19 CRAZY HORSE DRIVE (SW), COORDINATE WITH THE ENGINEER IN ADVANCE FOR SURVEY MONUMENT REPLACEMENT (PROPERTY CORNER # 1388)

627(4) FIRE HYDRANT ADJUSTMENT

	STATION	OFFSET (FT)	PAVING LIMIT BEHIND HYDRANT DIM 'A'	FINISHED GRADE ELEVATION	SHEET	REMARKS ****NOTIFY CBJ FIRE DEPT AT LEAST 24 HRS IN ADVANCE OF INTERRUPTING SERVICE TO HYDRANT****
8/6/19	07+66	26' RT	2.5'	27.99	G6	ADJUST BARREL +12", CONSTRUCT ASPHALT PAD
8/6/19	12+44	26' RT	3.5'	25.75	G1	ADJUST BARREL +18", CONSTRUCT ASPHALT PAD
8/6/19	15+44	27' RT	1.8'	26.07	G2	ADJUST BARREL +12", CONSTRUCT ASPHALT PAD
	18+42	28' RT	1'	25.26	G3	NO BARREL ADJUSTMENT REQ'D, CONSTRUCT ASPHALT PAD
	22+35	30' RT	N/A	25.71	G4	NO BARREL ADJUSTMENT REQ'D
	27+95	24' LT	3.5'	25.71	G13	NO BARREL ADJUSTMENT REQ'D, CONSTRUCT ASPHALT PAD

STATE OF ALASKA 49 TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK
AND WIDENING

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

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SUMMARIES

FILE Q:\Jnu\67408\Planset\67408_D1_Summaries.dwg
DATE 9/26/2018 11:58
LAYOUT D5
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			ALASKA	Z674080000/0961017	2018	D6	6

INSULATION BOARD NOTES:

1. STATIONS AND OFFSETS SHOWN ARE APPROXIMATE. FIELD ADJUST INSULATION LOCATIONS TO BE CENTERED ON EXISTING WATER OR SEWER CROSSINGS.

627(3) INSTALL VALVE BOX

STATION	OFFSET (FT)	REMARKS
7+66.26	24.86 RT	8/20/19
11+10.15	14.37 RT	6/23/19
11+12.55	11.56 LT	6/23/19
11+30.17	9.93 RT	6/23/19
11+90.83	11.23 RT	6/23/19
11+92.78	13.32 RT	6/23/19
12+43.55	22.91 RT	F&I HANDHOLE COVER OVER TOP SECTION, FLUSH WITH PCC RAMP GRADE 8/19/19
14+91.18	12.77 RT	6/23/19
15+31.55	9.16 RT	6/23/19
15+43.78	25.12 RT	6/23/19
15+81.59	13.26 RT	6/23/19
16+19.17	9.27 RT	
17+24.65	21.56 RT	
17+31.84	8.81 RT	
17+92.44	13.35 RT	6/18/19
17+97.41	11.51 RT	6/18/19
18+42.09	26.19 RT	8/21/19
18+78.50	12.50 RT	6/18/19
19+90.03	14.42 RT	6/18/19
20+03.04	10.07 RT	6/18/19
20+39.57	14.07 RT	6/18/19
20+88.18	15.00 RT	6/18/19
21+50.80	10.08 RT	6/18/19
21+59.70	14.59 RT	6/18/19
21+99.81	9.30 RT	6/18/19
22+00.73	22.13 RT	
22+35.09	27.83 RT	
22+65.89	13.62 RT	6/18/19
22+66.24	6.84 RT	6/18/19
22+69.60	10.29 RT	6/18/19
23+33.20	26.41 RT	6/18/19
24+52.60	6.24 RT	6/17/19
25+28.18	26.49 RT	
25+94.99	5.15 RT	6/17/19
27+30.47	12.13 RT	6/17/19
27+59.86	33.32 RT	6/18/19
27+67.47	13.71 RT	6/17/19
27+95.75	19.90 LT	
29+49.84	11.57 RT	6/18/19
29+52.03	9.47 RT	6/18/19
29+48.88	93.16 LT	6/18/19
29+53.94	96.27 LT	6/18/19
29+54.43	11.76 RT	6/18/19

642(7) REPLACE EXISTING WITH SECONDARY MONUMENT

POINT #	REMARKS
1371	
1372	
1373	
1377	
1397	SET MONUMENT IN PCC PAD (AREA DRAIN)
1414	CAUTION: UNDERGROUND UTILITIES

635 (1) INSULATION BOARD

STATION	OFFSET	LENGTH (FT)	WIDTH (FT)	THICKNESS (IN)	REMARKS
6+88	5 RT	8	6	6	
8+47	22 LT	8	4	6	
9+91	12 RT	8	6	6	
10+73	22 LT	8	4	6	
11+11	22 LT	8	6	6	
11+24	22 LT	8	6	6	
11+60	12 RT	8	6	6	
12+16	11 RT	8	6	6	
12+54	10 RT	8	6	6	
14+37	22 LT	8	4	6	
14+60	12 RT	8	6	6	
15+29	22 LT	8	4	6	
15+37	11 RT	8	6	6	
16+17	29 LT	10	6	6	
16+52	10 RT	8	6	6	
16+87	24 LT	12	6	6	
17+49	22 LT	8	6	6	
17+62	11 RT	8	6	6	
18+38	10 RT	8	6	6	
19+10	22 LT	8	6	6	
19+52	12 RT	8	6	6	
20+03	22 LT	8	4	6	
20+17	22 LT	8	4	6	
20+74	12 RT	8	6	6	
21+51	22 LT	8	4	6	
21+64	22 LT	8	4	6	
22+08	16 RT	37	8	6	
22+37	26 RT	20	8	6	
22+66	37 RT	8	6	6	
23+10	9 RT	8	6	6	
23+15	22 LT	8	6	6	
24+22	10 RT	8	4	6	
24+27	27 RT	10	2	6	
24+58	22 LT	16	6	6	
25+08	22 LT	16	6	6	
25+20	11 RT	8	4	6	
25+29	27 RT	8	2	6	
25+75	11 RT	8	4	6	
25+94	22 LT	8	4	6	
27+19	26 LT	8	4	6	
27+25	10 RT	8	4	6	
27+94	28 LT	20	6	6	CONSTRUCT INSULATED VERTICAL EDGE ALONG WESTERN EDGE: LENGTH = 20', HEIGHT = 12", THICK = 6"
29+10	10 RT	8	4	6	
29+53	33 LT	8	4	6	
29+71	12 RT	8	4	6	
29+74	96 LT	8	4	6	

627(13) Relocate Water Main

STATION	OFFSET (FT)	REMARKS
29+53	33 LT	Relocation deemed unnecessary

Bottom of ramp to bottom of ramp

639(3) APPROACH

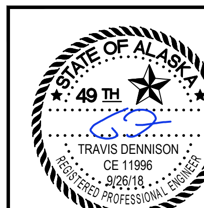
STATION	OFFSET	WIDTH (FT)	REMARKS
INDUSTRIAL BLVD			
7+20.31	RT	32	SHEET G6
8+12.64	LT	32	SHEET G7
10+60.02	RT	120	SHEET G7
11+03.37	LT	32	SHEET G7
13+09.87	RT	32	SHEET G8
14+14.21	RT	32	SHEET G8
14+98.34	LT	32	SHEET G2
15+74.92	LT	24	SHEET G8
15+84.34	RT	32	SHEET G9
16+35.93	LT	32	SHEET G8
17+14.84	RT	65	SHEET G9
17+58.94	LT	32	SHEET G9
18+90.93	LT	32	SHEET G9
19+60.48	LT	32	SHEET G10
19+77.34	RT	20	SHEET G10
20+43.33	RT	32	SHEET G10
21+68.75	RT	95	SHEET G11
21+89.54	LT	32	SHEET G10
23+66.33	RT	70	SHEET G11
24+78.54	RT	32	SHEET G12
24+84.75	LT	32	SHEET G12
26+10.69	RT	24	SHEET G12
26+28.75	LT	32	SHEET G12
27+51.53	RT	32	SHEET G13
28+28.29	LT	32	SHEET G13
29+39.00	RT	44	SHEET G5
BENTWOOD PLACE			
1+56.32	RT	VARIES	SHEET G1
CRAZY HORSE DRIVE			
0+40.19	LT	48	SHEET G4
2+04.33	RT	53	SHEET G4

660(19C) Polymer Concrete Junction Box

STATION	OFFSET	REMARKS
06+00	32 RT	ADJUST LID FLUSH WITH FINISHED GRADE

642(6) REPLACE EXISTING WITH PRIMARY MONUMENT

POINT #	REMARKS
1388	SET MONUMENT IN PCC LANDING



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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INDUSTRIAL BLVD SIDEWALK
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			ALASKA	Z674080000/0961017	2018	E1	9

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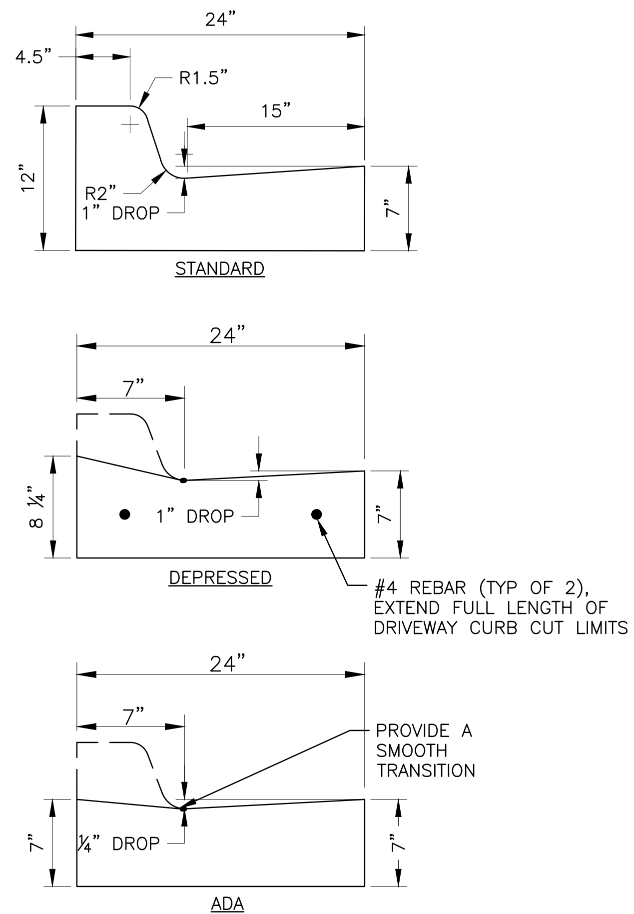
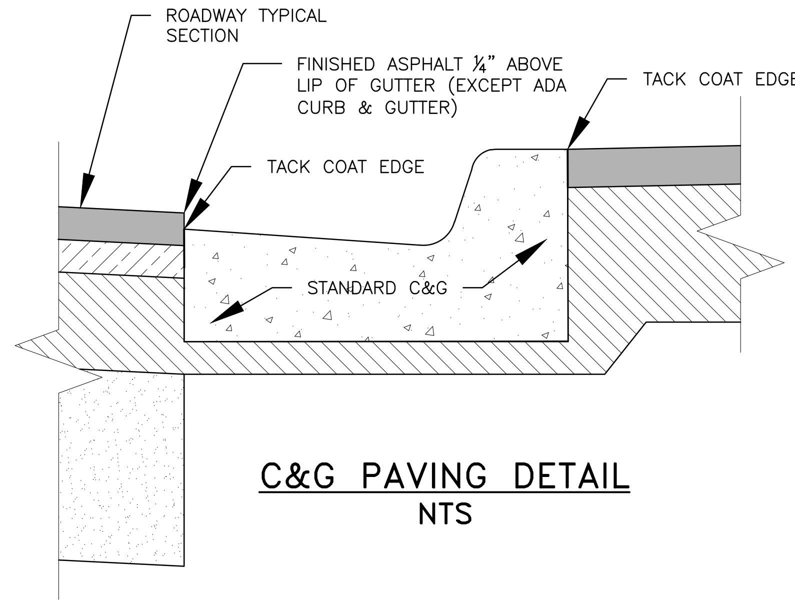


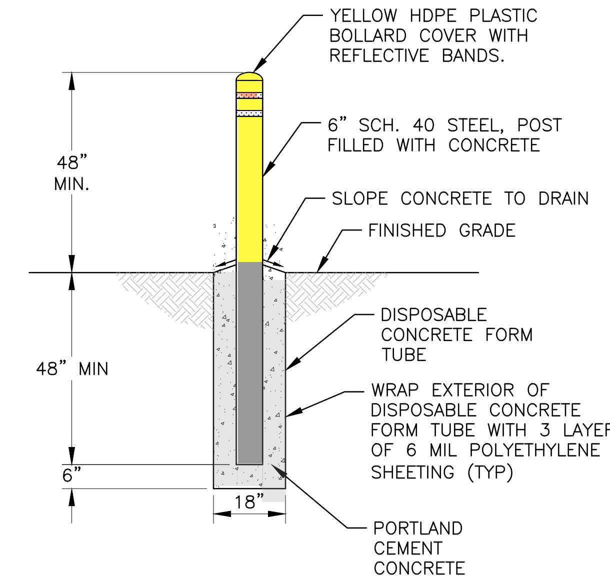
DETAIL NOTES:

1. CONCRETE SHALL BE CLASS A, FIBER MESH REINFORCED.
2. CONSTRUCT CONTROL JOINTS EVERY 10' (MAX) AND EXPANSION JOINTS AT 30' MAX, MIN INTERVALS.
3. ALL JOINTS AND SEAMS SHALL BE EDGED.

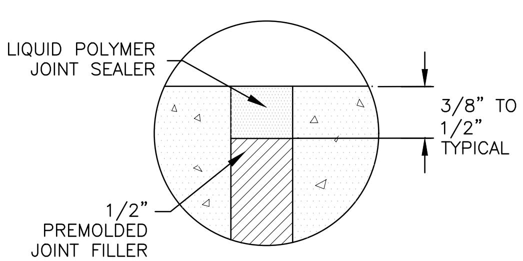
CURB & GUTTER
NTS



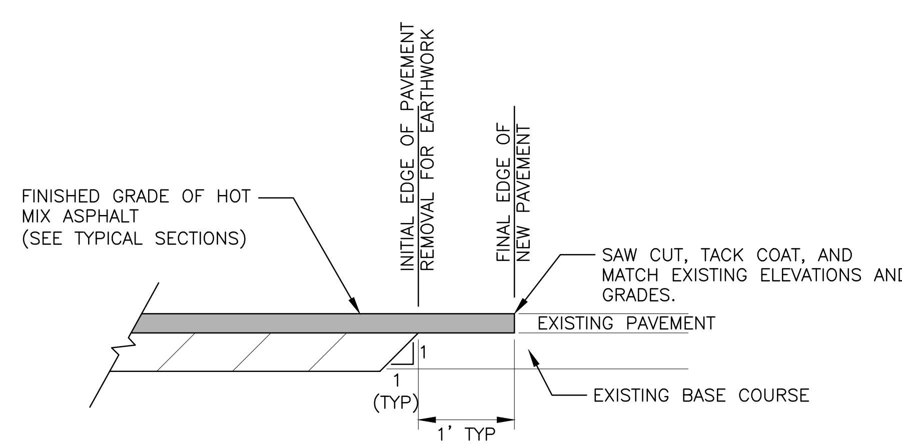
C&G PAVING DETAIL
NTS



BOLLARD
NTS



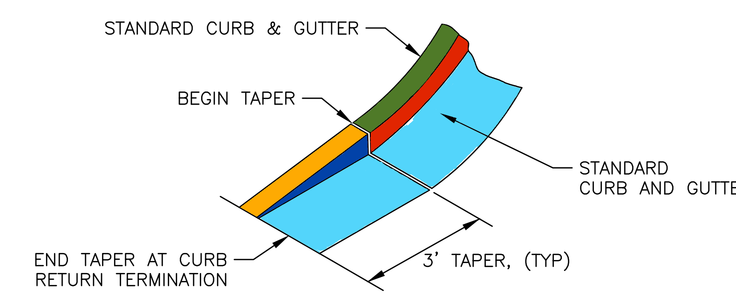
EXPANSION JOINT
NTS



DETAIL NOTES:

1. REMOVE ADDITIONAL PAVEMENT NO MORE THAN 18 HOURS BEFORE PAVING TO REMOVE ALL BROKEN OR CRACKED PAVEMENT THAT OCCURS AFTER THE INITIAL SAWCUT IS MADE.

PAVEMENT CUT AND MATCH DETAIL
NTS



CURB RETURN TERMINATION DETAIL
NTS

STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

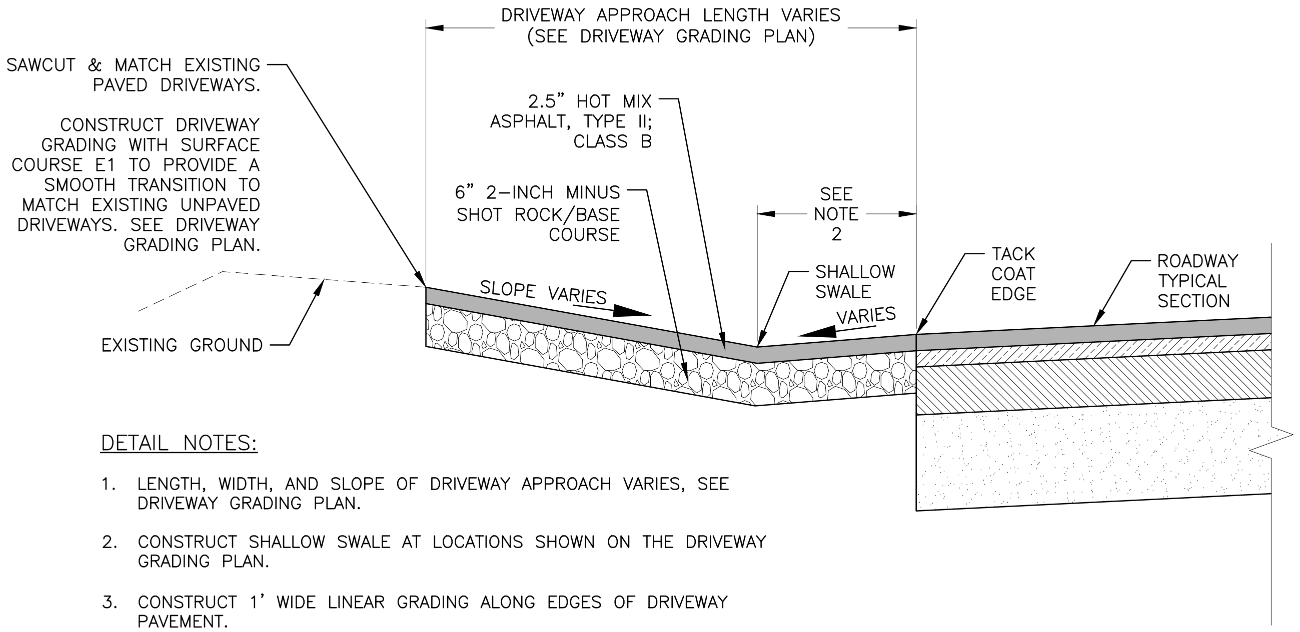
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE ______________________

INDUSTRIAL BLVD SIDEWALK AND WIDENING

DETAILS

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	E2	9



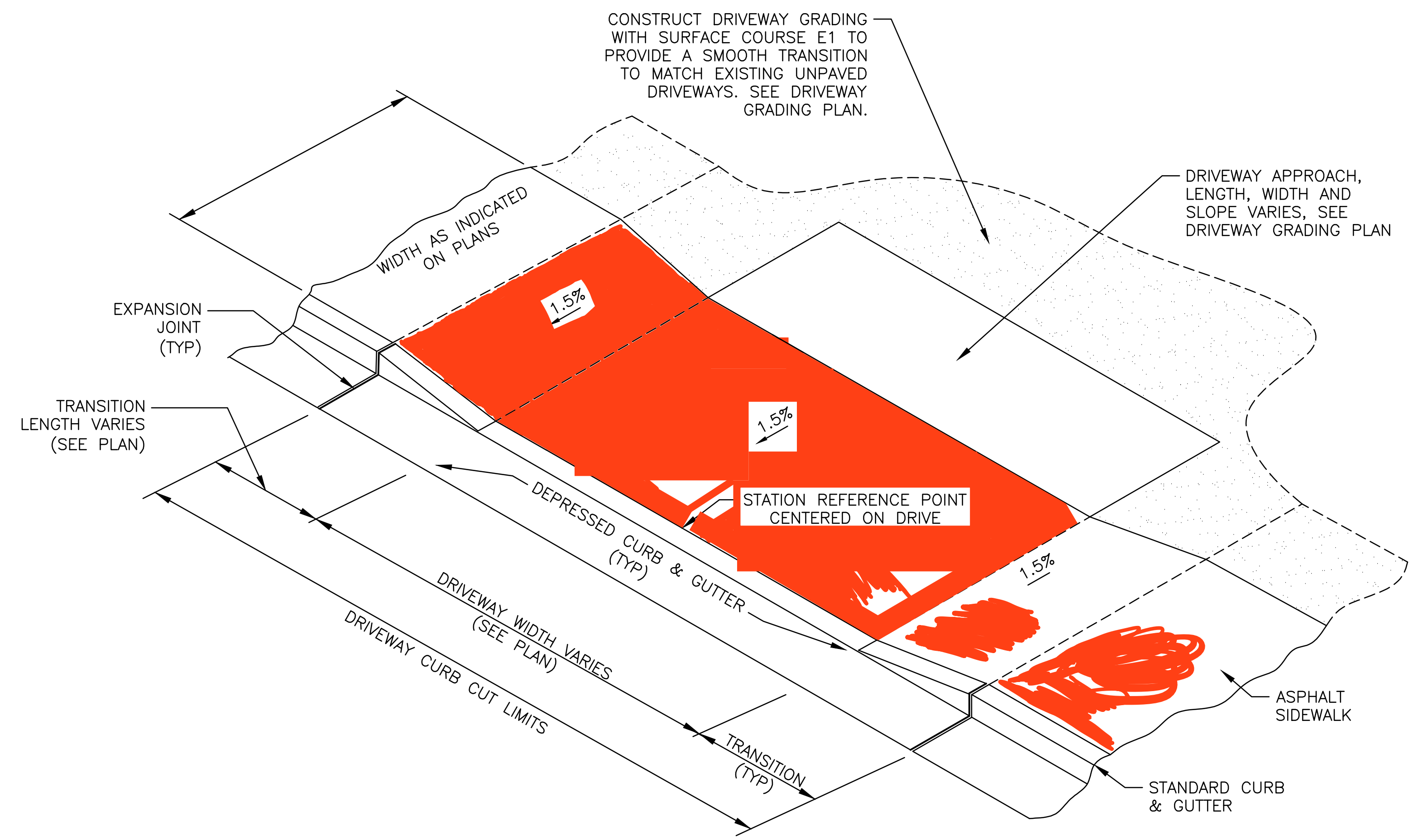
DETAIL NOTES:

1. LENGTH, WIDTH, AND SLOPE OF DRIVEWAY APPROACH VARIES, SEE DRIVEWAY GRADING PLAN.
2. CONSTRUCT SHALLOW SWALE AT LOCATIONS SHOWN ON THE DRIVEWAY GRADING PLAN.
3. CONSTRUCT 1' WIDE LINEAR GRADING ALONG EDGES OF DRIVEWAY PAVEMENT.

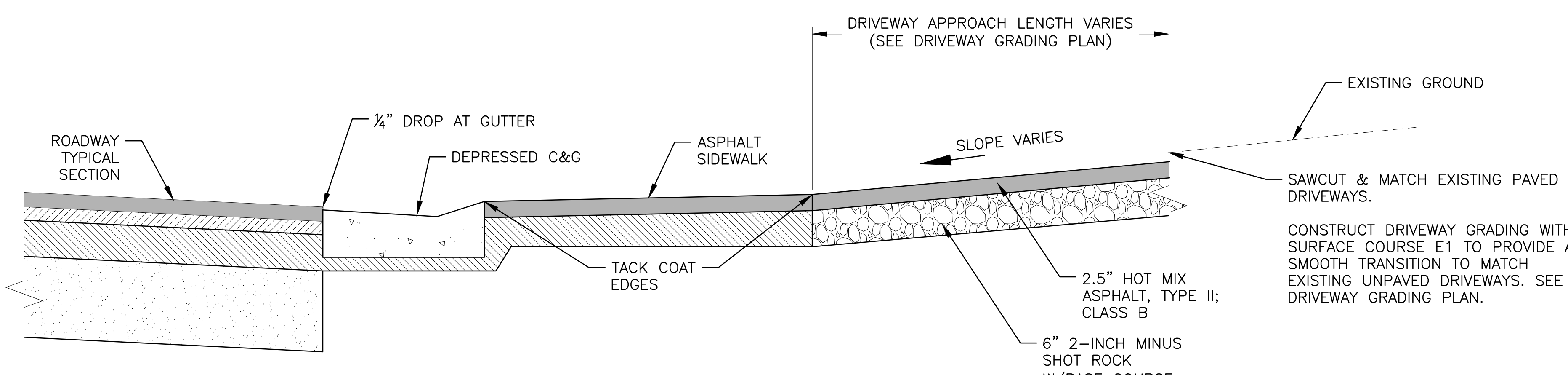
DRIVEWAY APPROACH SECTIONS (WITHOUT CURB & GUTTER)
NTS

DETAIL NOTES:

1. CONCRETE CURB & GUTTER EXPANSION JOINTS SHALL BE PLACED IMMEDIATELY PRECEDING ALL DRIVEWAY CURB AND SIDEWALK CUTS. THEREAFTER, THEY SHALL BE PLACED AT 30' MAXIMUM INTERVALS.
2. ALL JOINTS AND SEAMS SHALL BE EDGED.
3. CONSTRUCT DRIVEWAY GRADING AT UNPAVED DRIVEWAY LOCATIONS.



DRIVEWAY CURB CUT AND APPROACH
NTS



DRIVEWAY APPROACH SECTIONS (WITH CURB & GUTTER)
NTS

STATE OF ALASKA 49TH — TRAVIS DENNISON CE 11996 9/26/18 — REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

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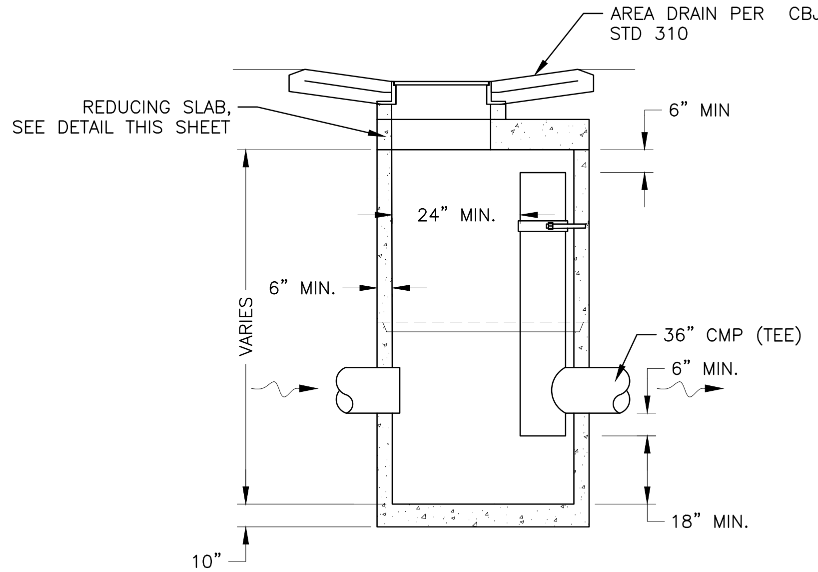
PE ____________

INDUSTRIAL BLVD SIDEWALK AND WIDENING

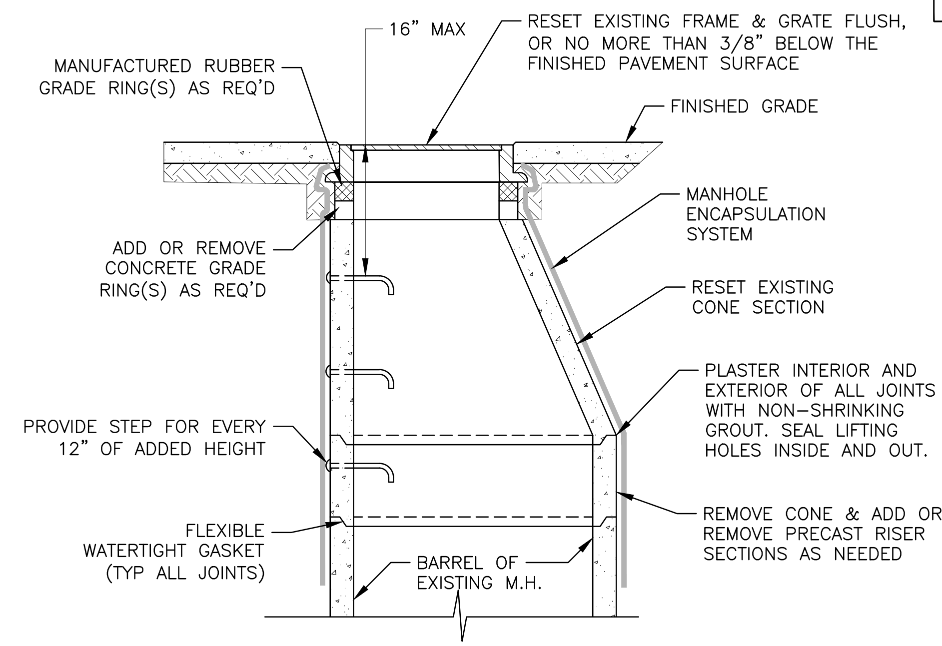
DETAILS

FILE Q:\Jnu\67408\Planset\67408_E1_Details.dwg | DATE 9/26/2018 11:58 | LAYOUT E2 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

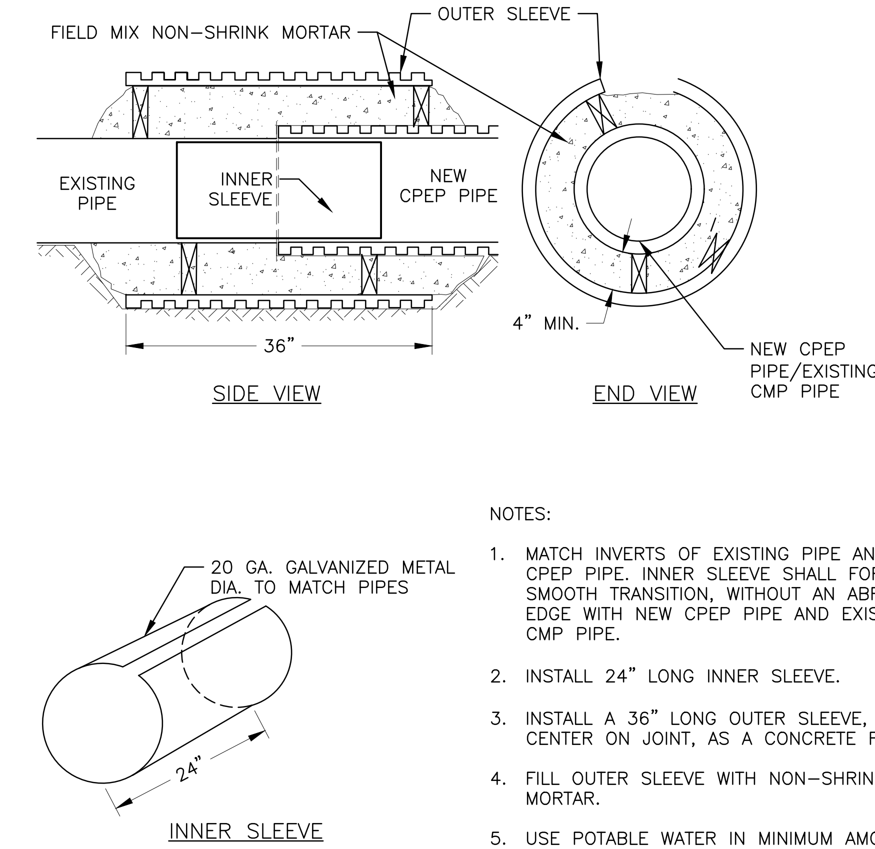
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	E3	9



OIL–WATER SEPARATOR 72" STORM DRAIN MANHOLE
NTS



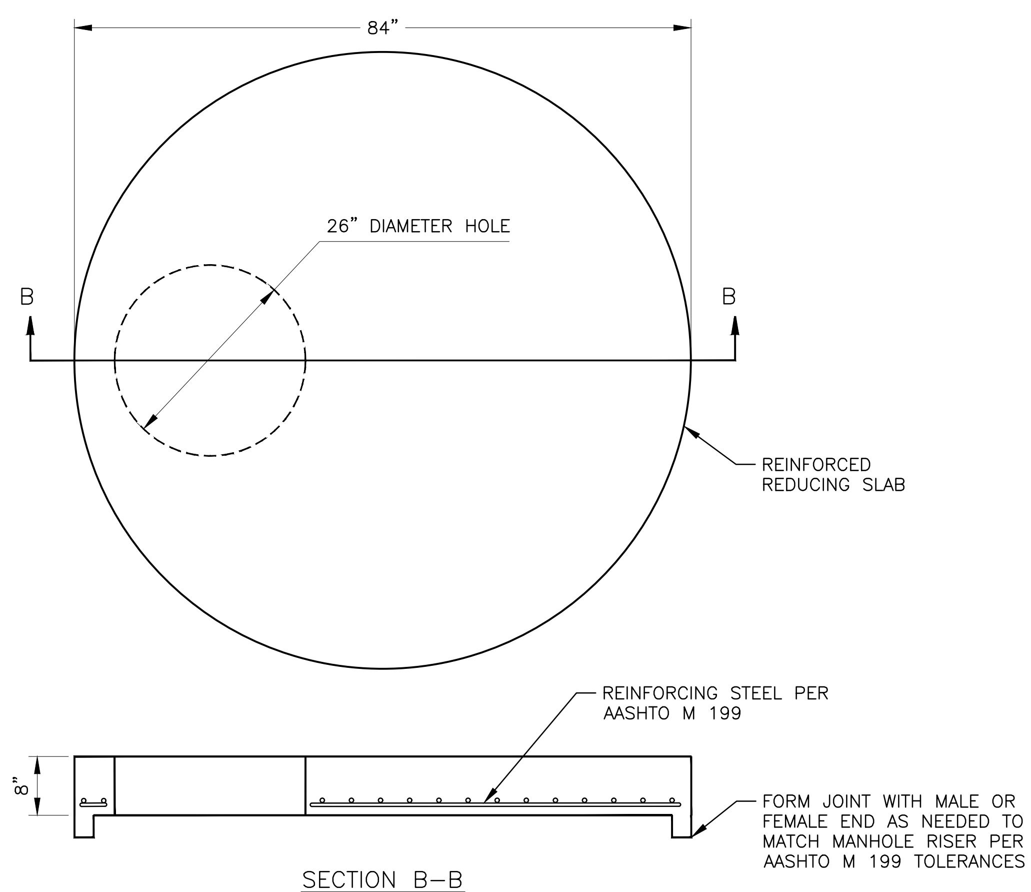
MANHOLE RECONSTRUCTION
NTS



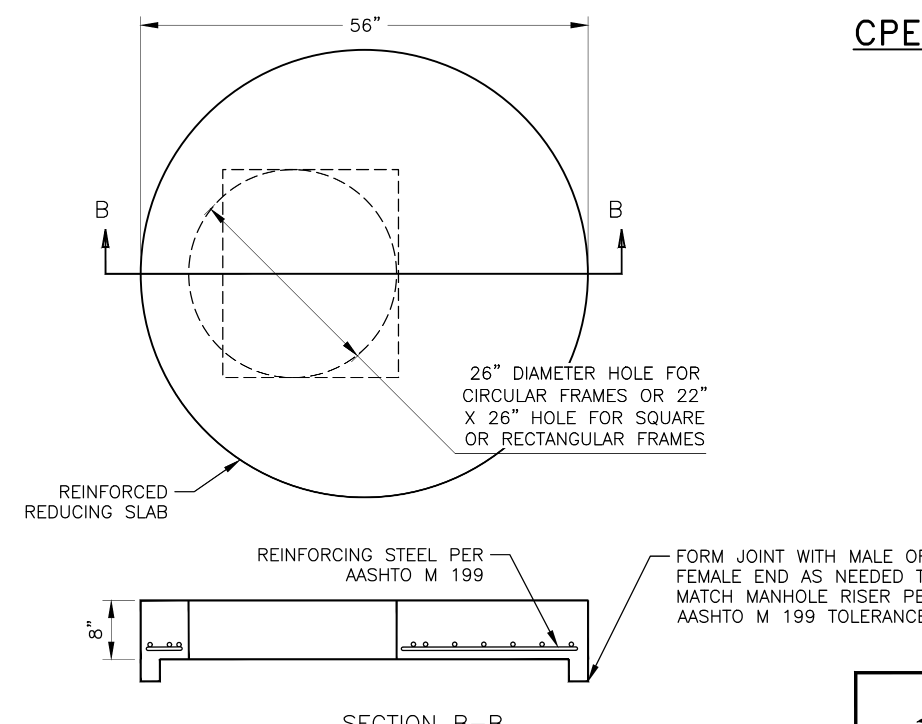
NOTES:

1. MATCH INVERTS OF EXISTING PIPE AND NEW CPEP PIPE. INNER SLEEVE SHALL FORM A SMOOTH TRANSITION, WITHOUT AN ABRUPT EDGE WITH NEW CPEP PIPE AND EXISTING CMP PIPE.
2. INSTALL 24" LONG INNER SLEEVE.
3. INSTALL A 36" LONG OUTER SLEEVE, CENTER ON JOINT, AS A CONCRETE FORM.
4. FILL OUTER SLEEVE WITH NON–SHRINK MORTAR.
5. USE POTABLE WATER IN MINIMUM AMOUNTS TO PROVIDE PLASTICITY IN PLACING THE MORTAR.
6. BACKFILL AND COMPACT TRENCH.

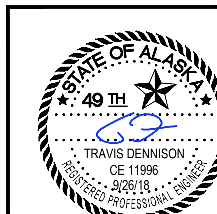
CPEP STORM PIPE CONNECTION
NTS



84" TO 26" ECCENTRIC PRECAST CONCRETE REDUCING SLAB OIL WATER SEPARATOR
NTS



56" TO 26" ECCENTRIC PRECAST CONCRETE REDUCING SLAB
NTS



Record Drawing ... Project Engineer, and represent to the best of my knowledge the project as constructed.
PE

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
INDUSTRIAL BLVD SIDEWALK AND WIDENING
DETAILS

FILE Q:\Jnu\67408\Planset\67408_E1_Details.dwg | DATE 9/26/2018 11:58 | LAYOUT E3 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

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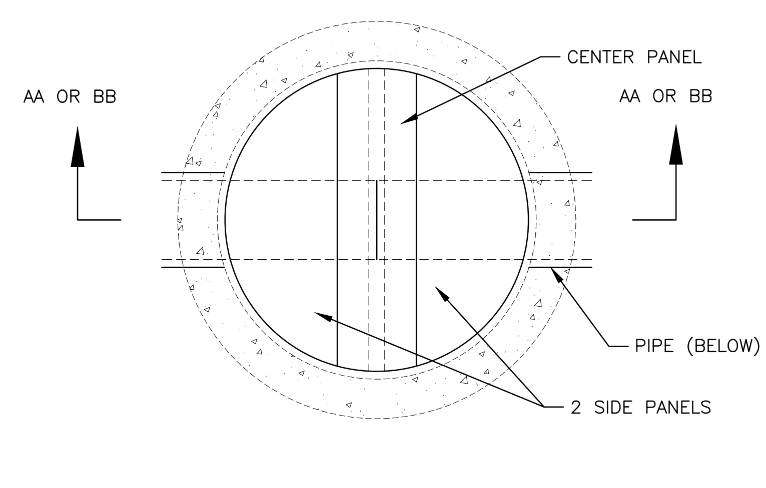
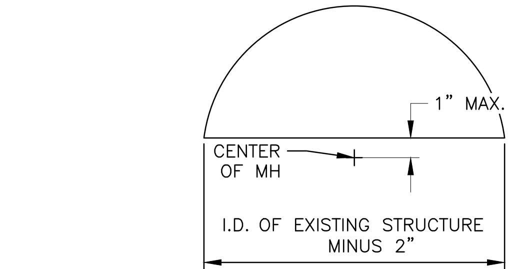
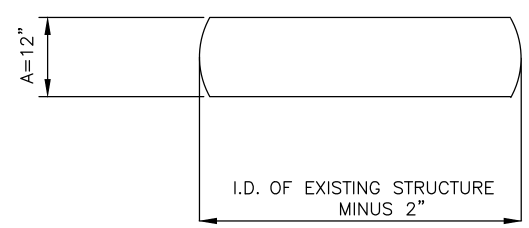


INVERT COVER PLAN
(INVERT COVER IN PLACE)

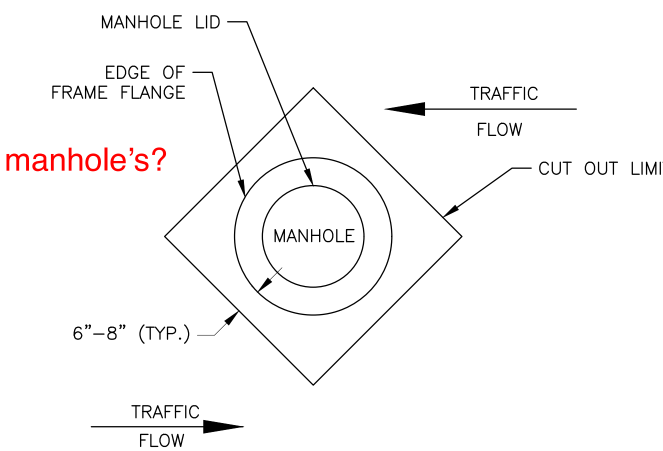


SIDE PANEL (TYP)

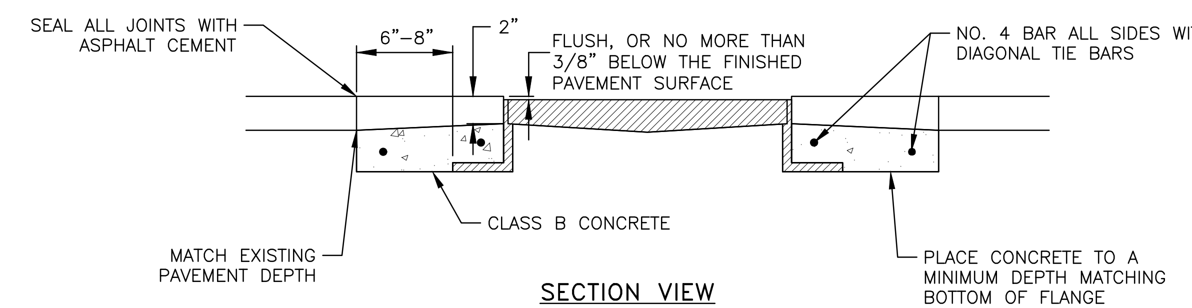


CENTER PANEL

Do we need to have cement collar on all manhole's?



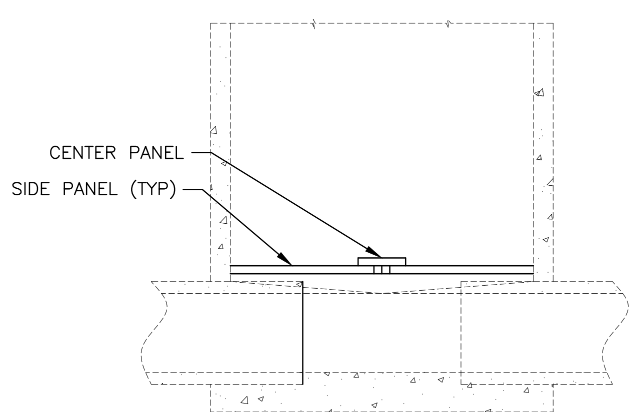
PLAN VIEW



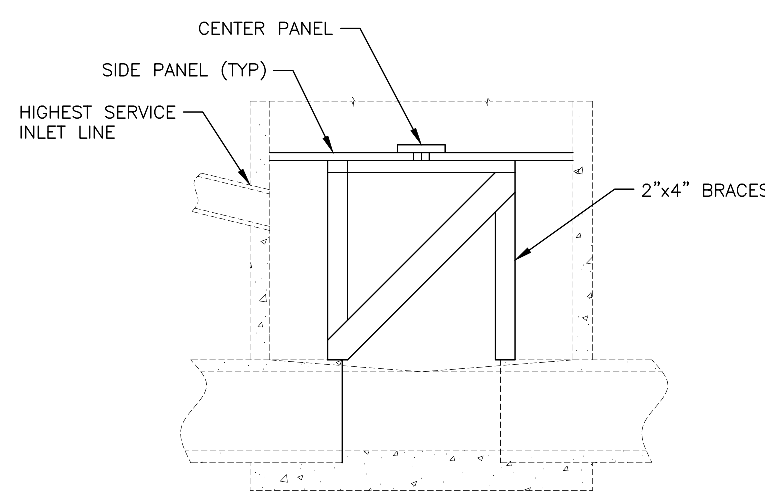
SECTION VIEW

CONCRETE TRANSITION SLAB

NTS



SECTION A–A
WITHOUT SERVICE INLET



SECTION B–B
WITH SERVICE INLET

INVERT COVER PLAN

NTS

MANHOLE ADJUSTMENT/RECONSTRUCTION SEQUENCING NOTES

1. LOCATE AND MARK MANHOLES PRIOR TO EXCAVATING THE ROADWAY SO THEY ARE NOT INADVERTENTLY DAMAGED.
2. INSTALL INVERT COVER PER SECTION 604–3.01 OF THE SPECIFICATIONS.
3. REMOVE EXISTING MANHOLE FRAMES AND LIDS. ADJUST HEIGHT USING GRADE RINGS SO FRAME AND LID WILL BE FLUSH, OR NO MORE THAN 3/8" BELOW THE FINISHED PAVED SURFACE. SEE SECTION 604 OF THE SPECIFICATIONS.
4. MANHOLE FRAME SHALL BE RAISED TO FINISHED GRADE PRIOR TO PAVING OPERATIONS.
5. IF, AFTER PAVING, THE MANHOLE FRAME OR LID DO NOT MEET THE RECESS TOLERANCE, SAWCUT, RESET, AND CONSTRUCT A CONCRETE COLLAR AS SHOWN IN THE CONCRETE TRANSITION SLAB DETAILS ON THIS SHEET.
6. REMOVE ALL DEBRIS AND FOREIGN OBJECTS PRIOR TO REMOVING INVERT COVER.

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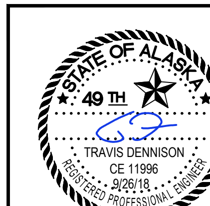


Record Drawings ... Project Engineer, and represent to the best of my knowledge the project as constructed.
PE

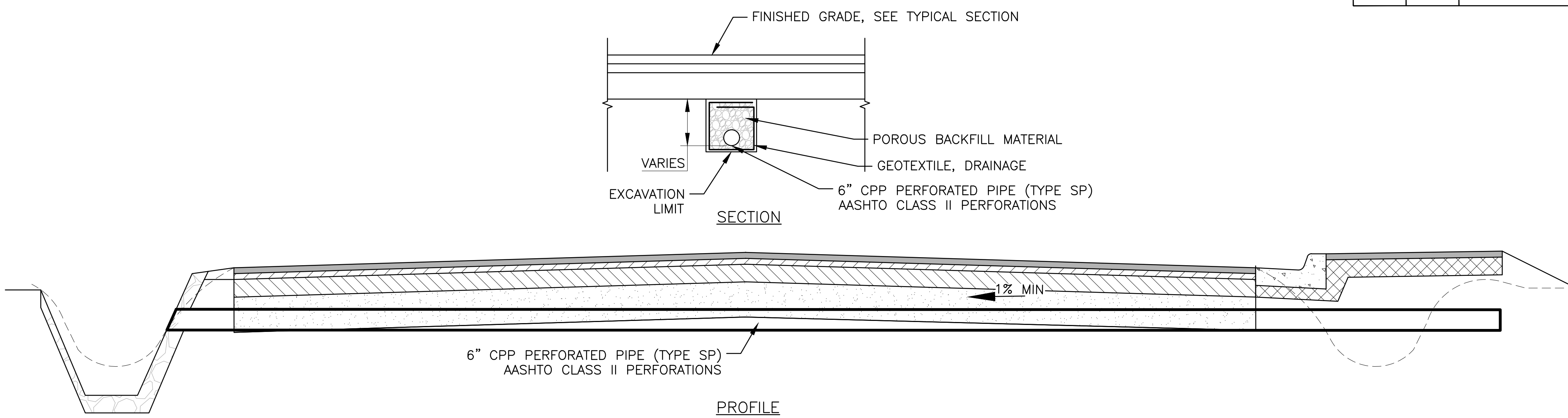
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

DETAILS

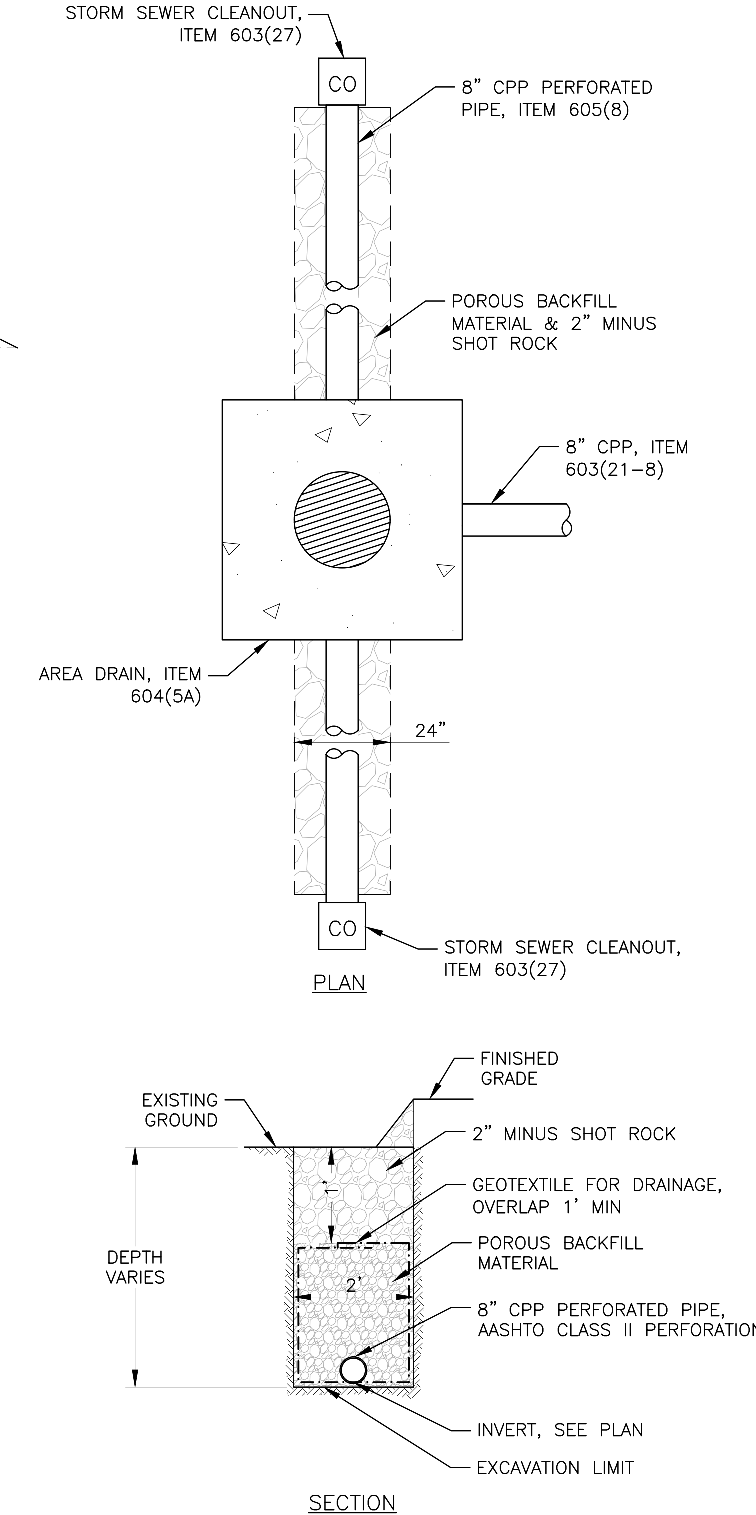
DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT | LAYOUT E4 | DATE 9/26/2018 11:58 | FILE Q:\Jnu\67408\Planset\67408_E1_Details.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	E5	9



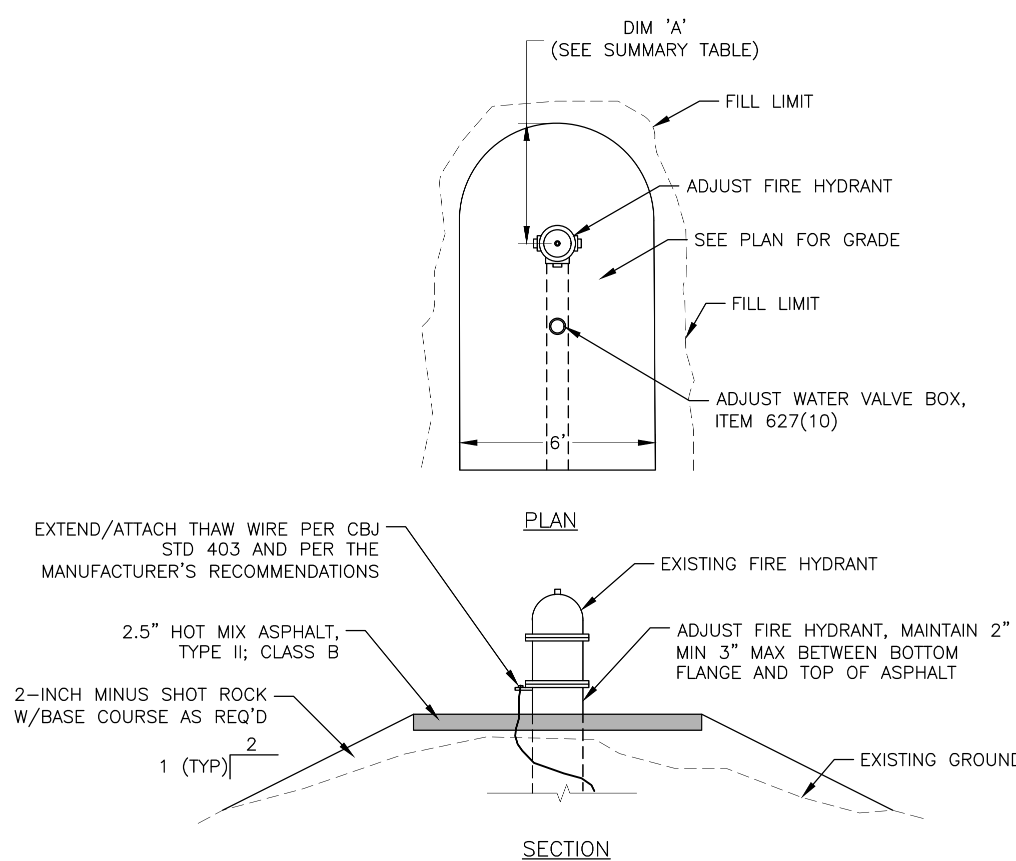
6–INCH CPP UNDERDRAIN

NTS



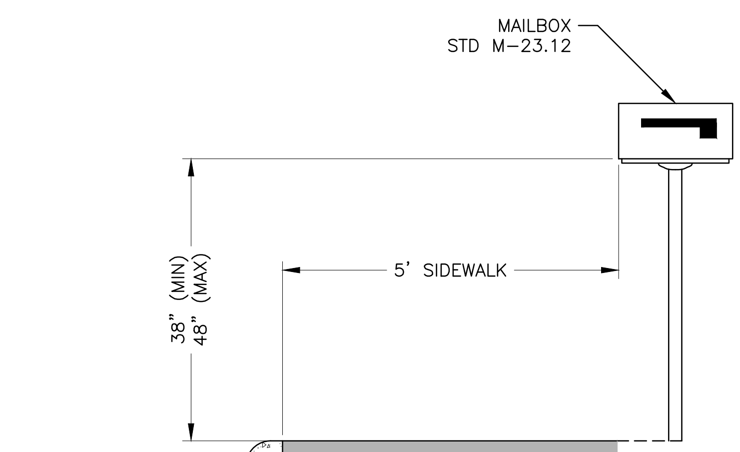
FRENCH DRAIN

NTS



FIRE HYDRANT PAD / ADJUSTMENT

NTS

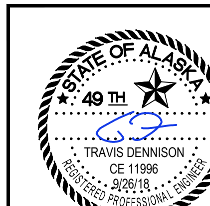


DETAIL NOTES:

1. FRONT OF MAILBOX SHALL BE INSTALLED FLUSH WITH THE BACK OF SIDEWALK

METAL POST (URBAN) INSTALLATION

NTS



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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INDUSTRIAL BLVD SIDEWALK
AND WIDENING

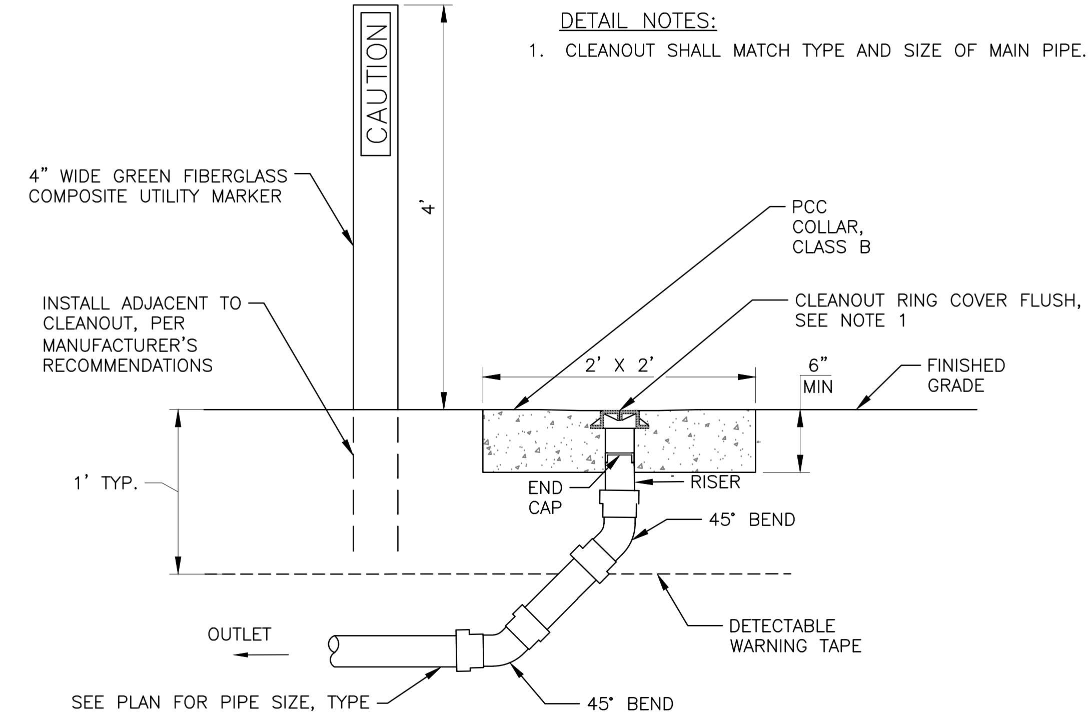
DETAILS

FILE Q:\Jnu\67408\Planset\67408_E1_Details.dwg | DATE 9/26/2018 11:58 | LAYOUT E5 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

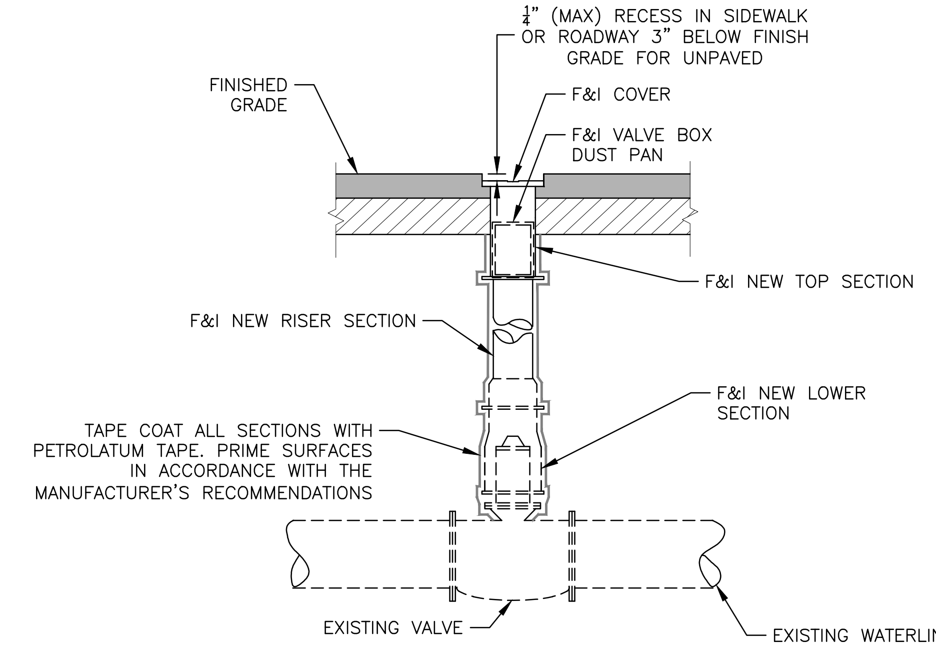
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	E6	9

DETAIL NOTES:

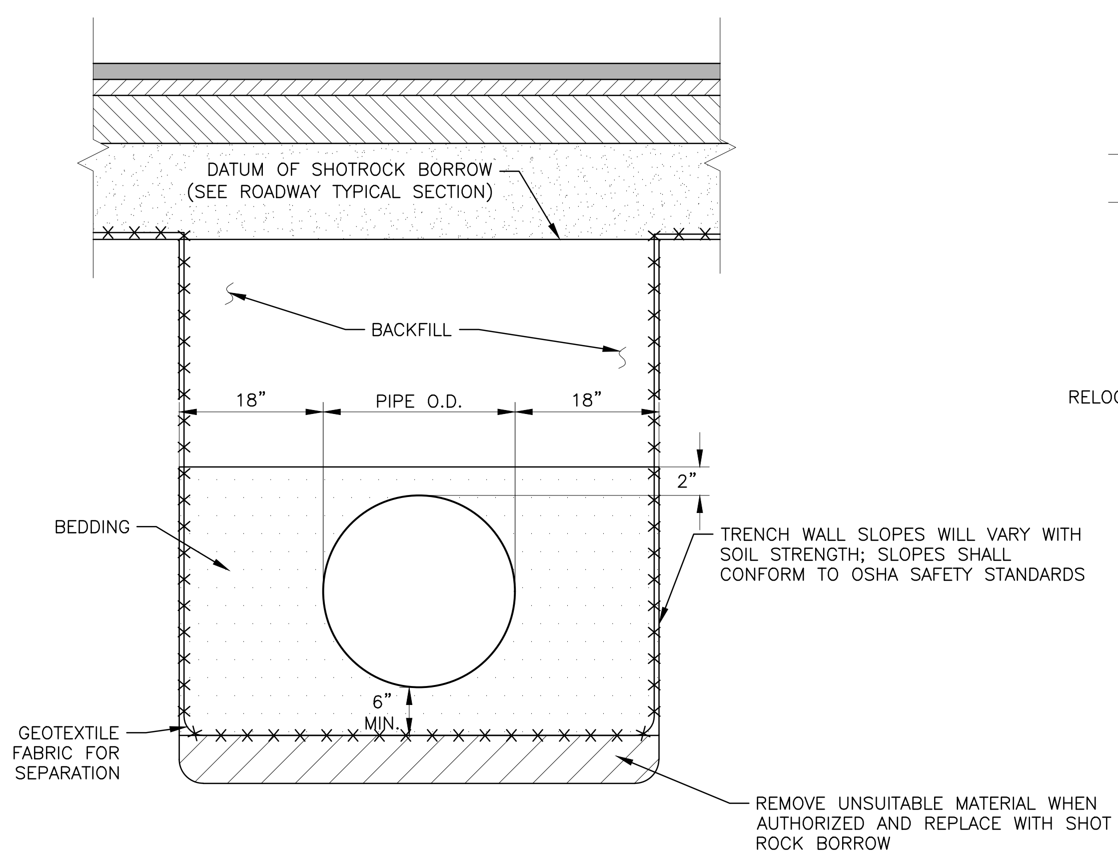
1. CLEANOUT SHALL MATCH TYPE AND SIZE OF MAIN PIPE.



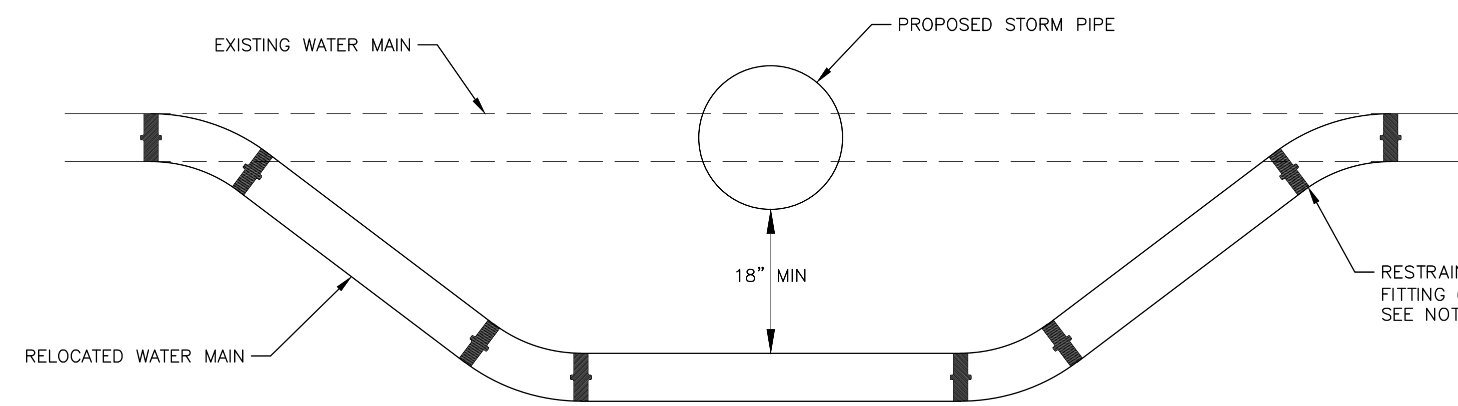
STORM SEWER CLEANOUT
NTS



ADJUSTMENT OF VALVE BOX
NTS



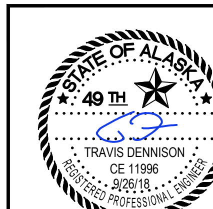
CULVERT BEDDING & BACKFILL
NTS



DETAIL NOTES:

1. THE CONTRACTOR SHALL DETERMINE THE EXISTING WATER PIPE ELEVATION AT THE STORM DRAIN CROSSING PRIOR TO BEGINNING ANY STORM DRAIN PIPE WITHIN 300 FEET OF THE CROSSING LOCATION.
2. IF VERTICAL CLEARANCE IS GREATER THAN 18" WATER PIPE RELOCATION MAY NOT BE NECESSARY. THE ENGINEER WILL DETERMINE WHICH WATER PIPES WILL REQUIRE RELOCATION AFTER RECEIVING THE TOP OF EXISTING WATER PIPE ELEVATIONS FROM THE CONTRACTOR'S SURVEY.
3. PIPE INSULATION (NOT SHOWN) SHALL BE INSTALLED AS DIRECTED BY THE ENGINEER.
4. THRUST BLOCKS (NOT SHOWN) AND RESTRAINED FITTINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CBJ STANDARDS 414A & 414B AS APPLICABLE.

RELOCATE WATER MAIN
NTS



Record Drawing: ... reviewed by the Project Engineer, and represent to the best of my knowledge the project as constructed.
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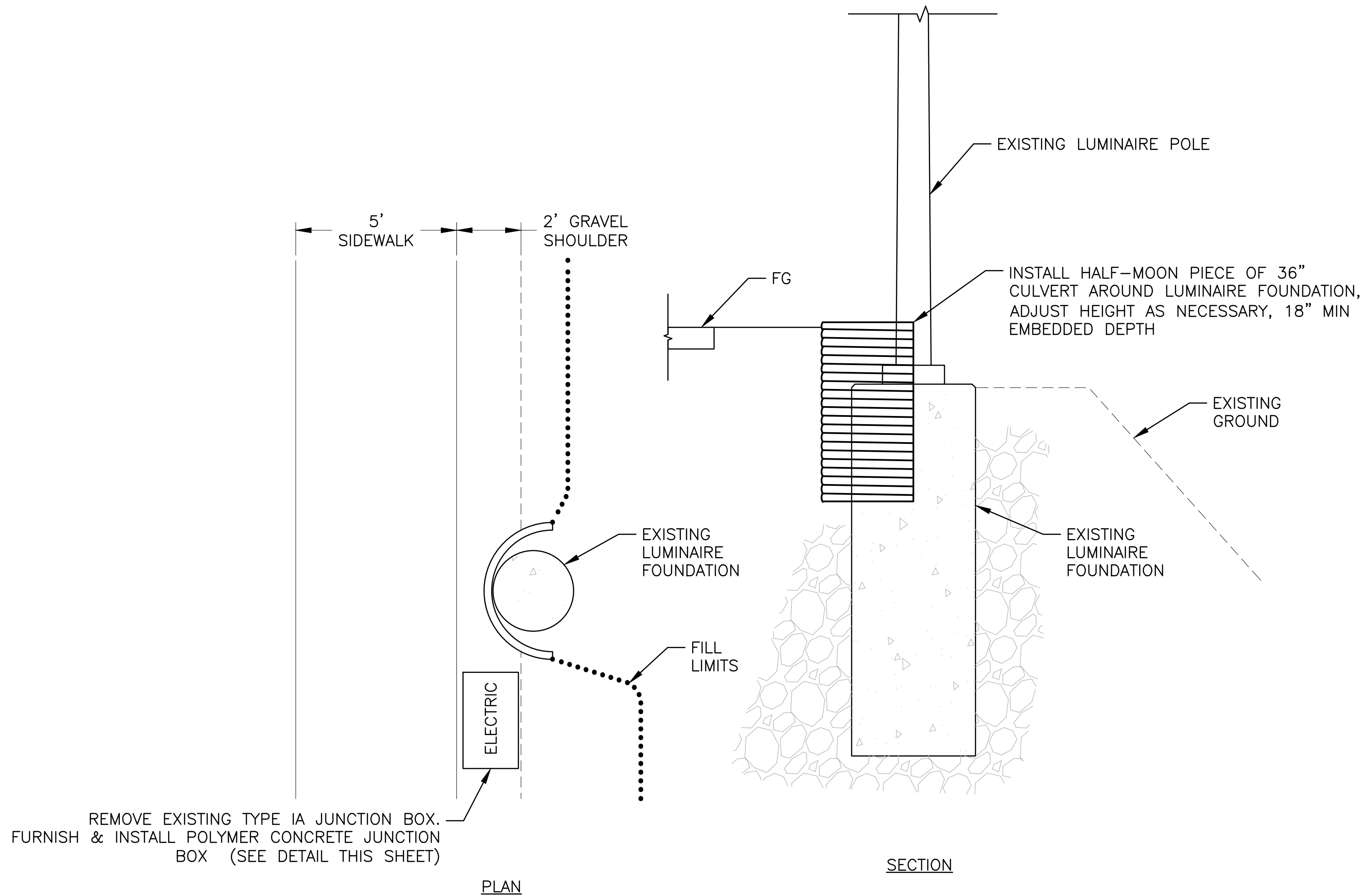
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
INDUSTRIAL BLVD SIDEWALK AND WIDENING

DETAILS

FILE Q:\Jnu\67408\Planset\67408_E1_Details.dwg | DATE 9/26/2018 11:58 | LAYOUT E6 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

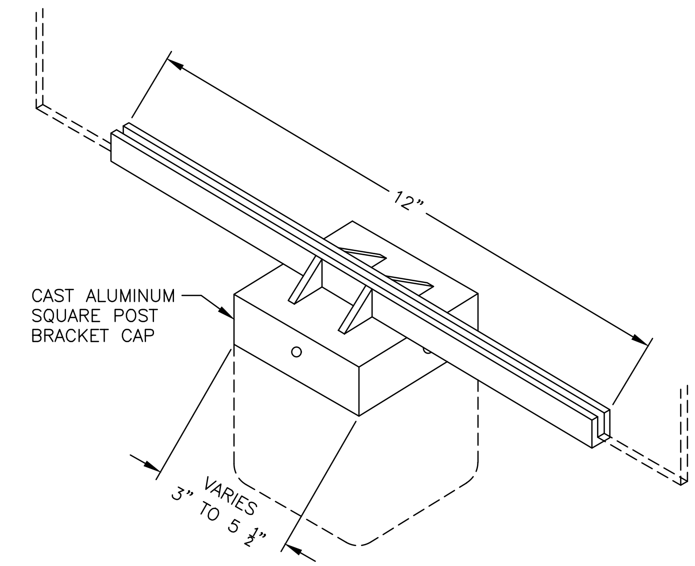
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	E7	9



SPECIAL GRADING AT LUMINAIRE POLE

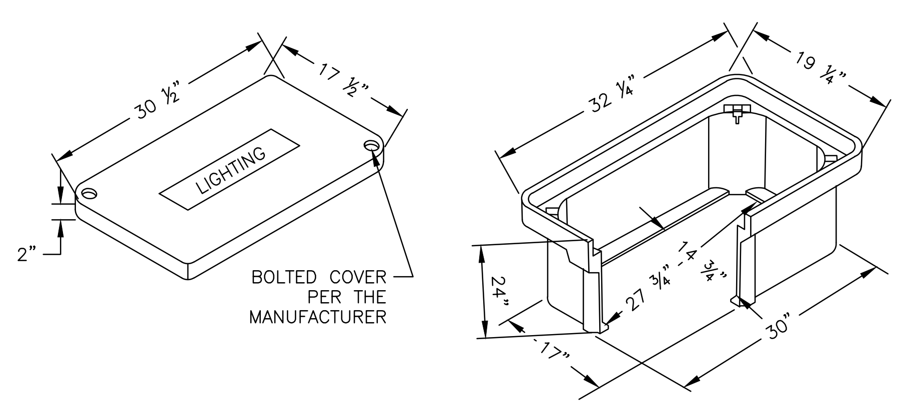
STA. 6+02 32'RT

NTS



HEAVY DUTY SIGN TO POST BRACKET

NTS



POLYMER CONCRETE JUNCTION BOX

NTS

STATE OF ALASKA 49 TH TRAVIS DENNISON CE 11996 9/26/18 REGISTERED PROFESSIONAL ENGINEER

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PE ____________________

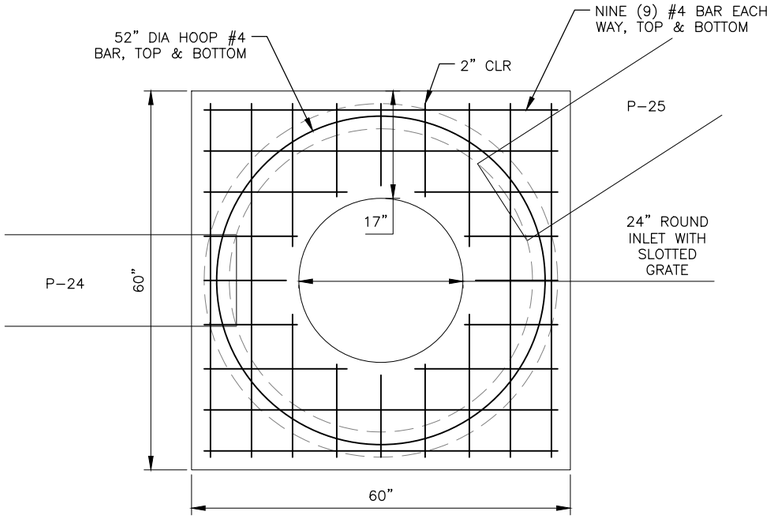
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

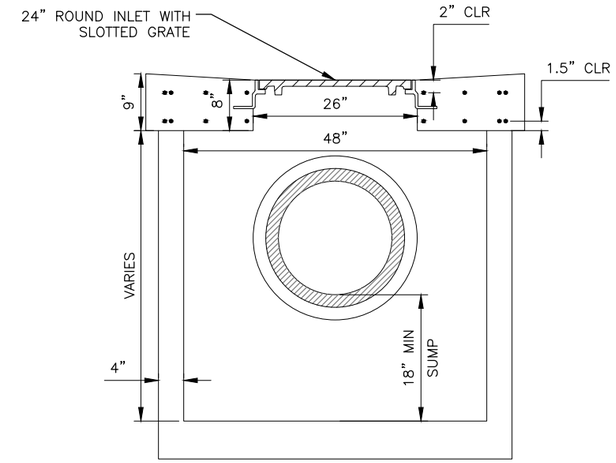
DETAILS

FILE Q:\Jnu\67408\Planset\67408_E1_Details.dwg
DATE 9/26/2018 11:58
LAYOUT E7
DESIGNED CI, TD, BW
CHECKED LG
DRAFTED JT

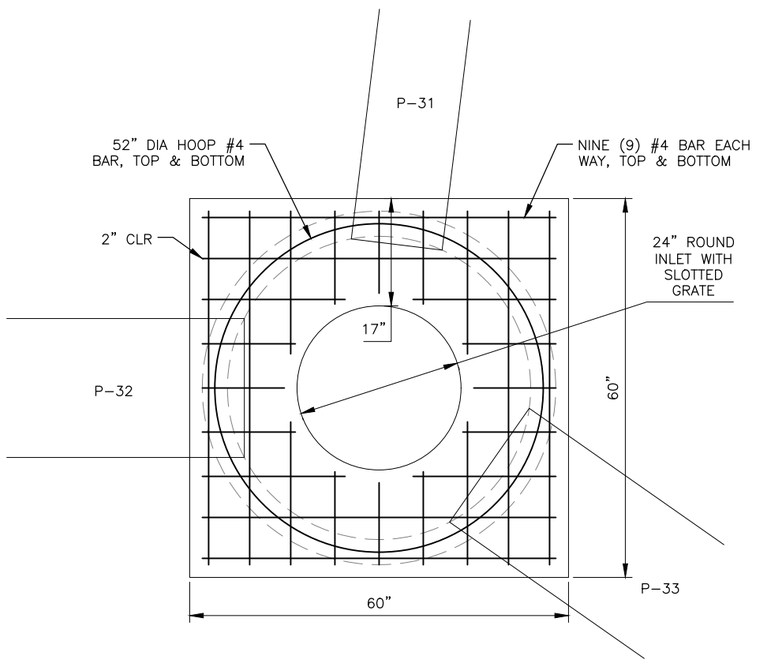
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	E8	9



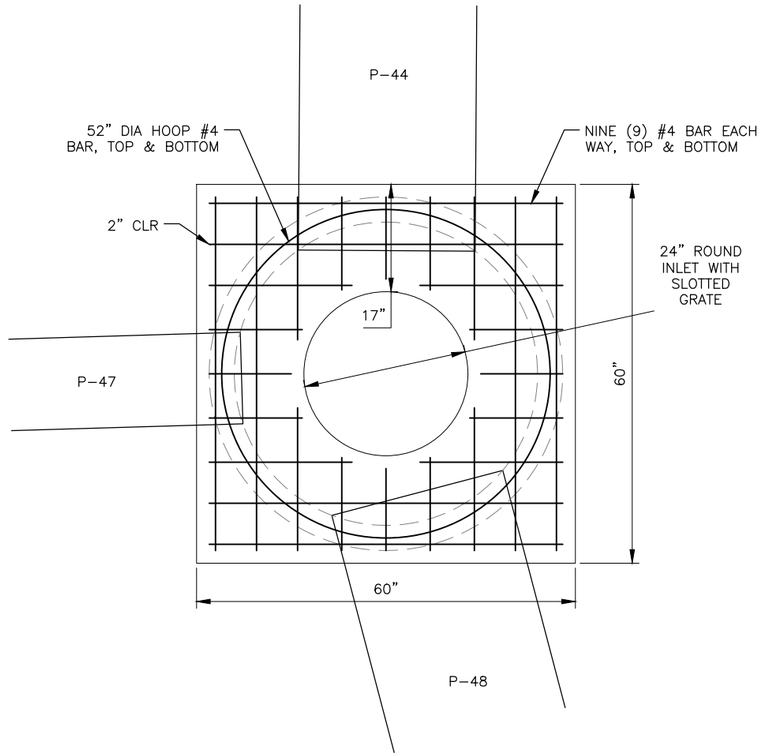
CAST-IN-PLACE REDUCING SLAB S-36 (PLAN)
NTS



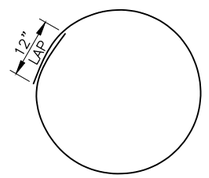
CAST-IN-PLACE REDUCING SLAB (SECTION)
NTS



CAST-IN-PLACE REDUCING SLAB S-46 (PLAN)
NTS



CAST-IN-PLACE REDUCING SLAB S-63 (PLAN)
NTS



HOOP
NTS

STATE OF ALASKA
49 TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

Record Drawings - As Constructed
Project Engineer, and represents to the best of my knowledge the project as constructed.

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK
AND WIDENING

PE

DETAILS

FILE	DATE	DESIGNED	DRAFTED	CHECKED	LAYOUT
Q:\Jnu\67408\Planset\67408_E1_Details.dwg	9/26/2018 11:58	CL, TD, BW	JT	LG	E8

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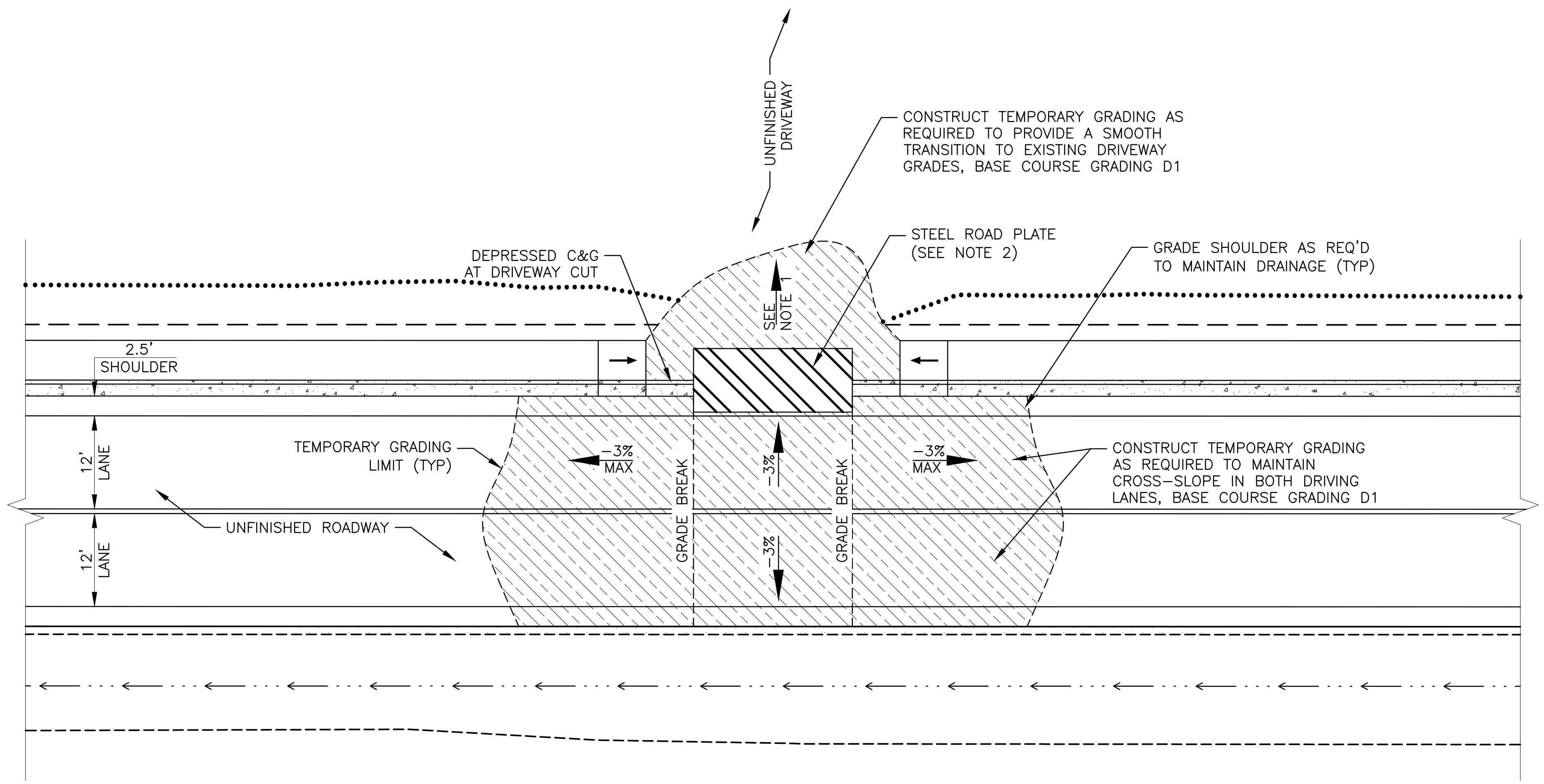
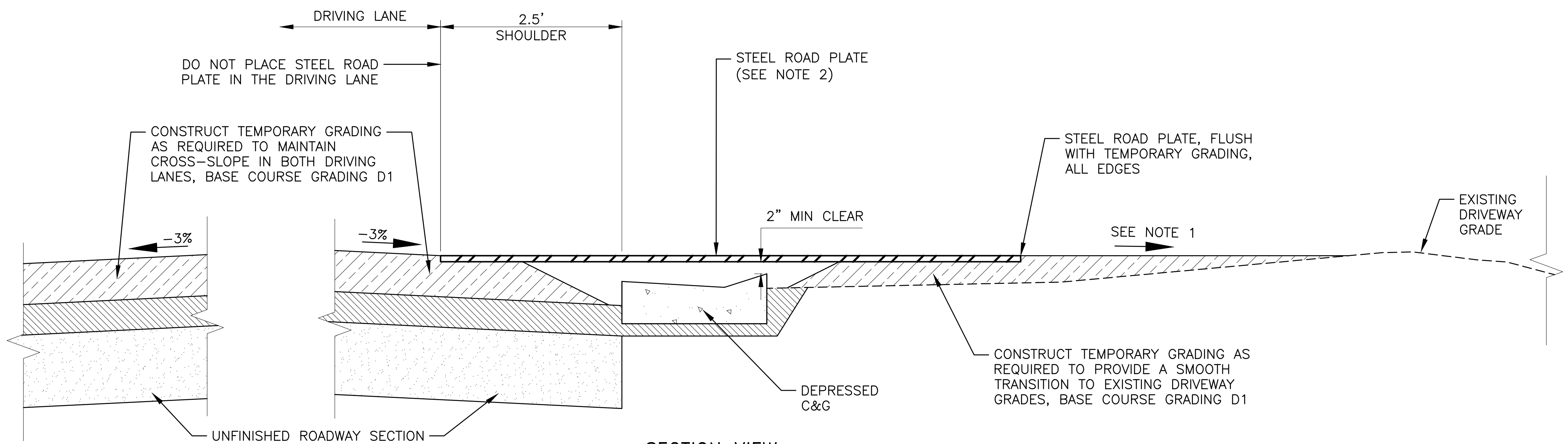


PLAN VIEW



SECTION VIEW

TEMPORARY DRIVEWAY ACCESS AT LOCATIONS WITH DEPRESSED CURB & GUTTER

NTS

NOTES:

1. FIELD DETERMINE TEMPORARY DRIVEWAY SLOPES. TEMPORARY DRIVEWAY SLOPES SHALL ALLOW ADEQUATE UNDER−VEHICLE CLEARANCE FOR EXPECTED VEHICLES, WITH SPECIAL CONSIDERATION GIVEN TO LOW GROUND CLEARANCE VEHICLES (I.E. BOAT OR TRAILER COMBINATION VEHICLES). IN NO CASE SHALL THE TEMPORARY GRADING BEHIND THE BACK OF SIDEWALK EXCEED 14% SLOPE.
2. CENTER STEEL ROAD PLATE ON DRIVEWAY APPROACH. DIMENSIONS OF ROAD PLATE SHALL BE SIZED AS NEEDED TO ACCOMMODATE EXPECTED VEHICLES.
3. COORDINATE CONSTRUCTION OF DRIVEWAYS AT LEAST 48 HOURS IN ADVANCE WITH THE PROPERTY OWNER(S).
4. DO NOT BLOCK DRIVEWAY APPROACH FOR MORE THAN THREE (3) HOURS.
5. CONDUCT THE WORK TO INSURE THAT THERE IS NO DISRUPTION OF MAIL SERVICE, SCHOOL BUS SERVICE, TRASH COLLECTION, FUEL DELIVERY SERVICE, ACCESS BY EMERGENCY VEHICLES, OR ANY UNNECESSARY DISRUPTION OF GENERAL ACCESS TO ANY BUSINESS OR PRIVATE RESIDENCE.
6. SEE SPECIFICATIONS FOR SPECIAL FENCING, GATE AND SECURITY REQUIREMENTS.

STATE OF ALASKA
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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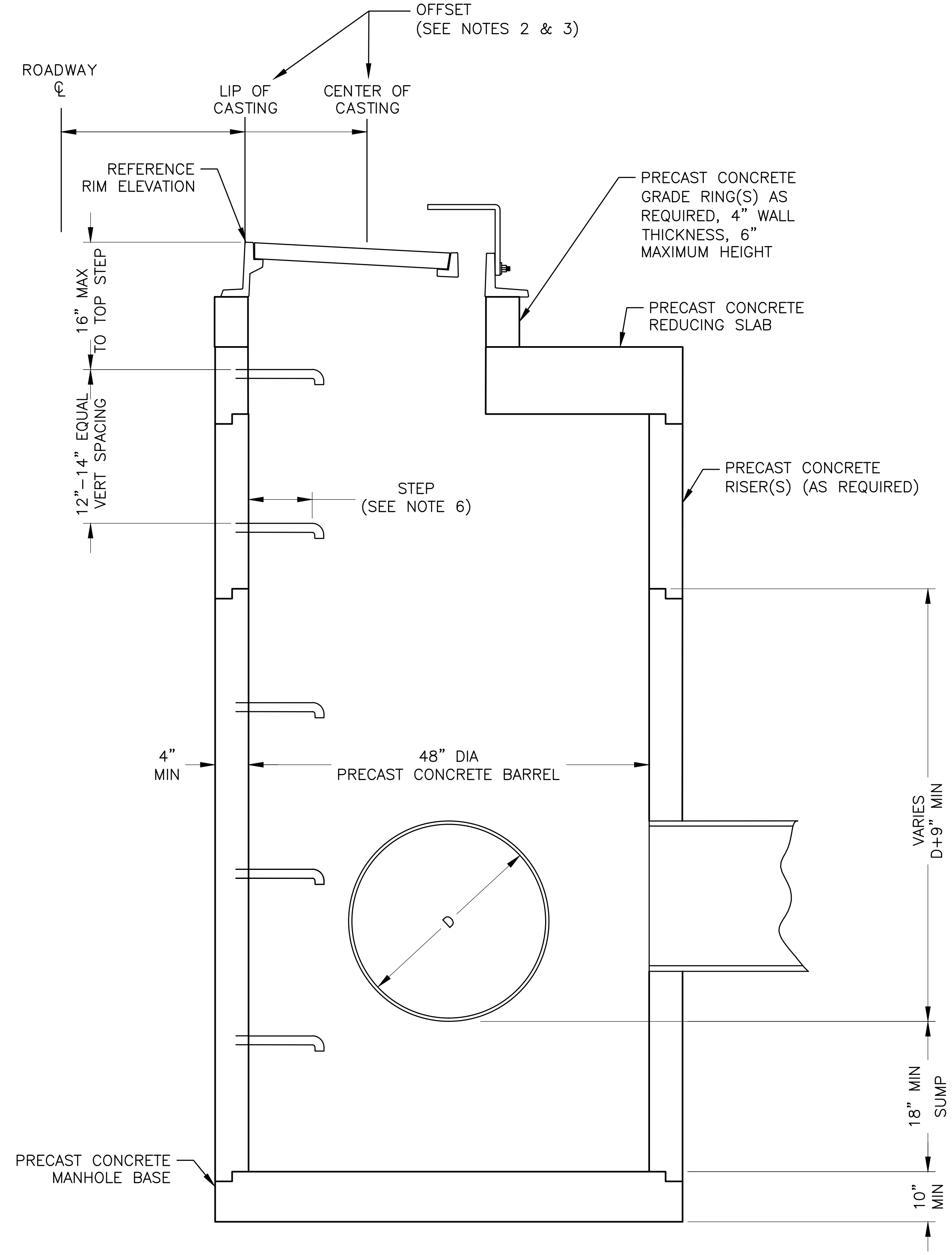
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

DETAILS

FILE Q:\Jnu\67408\Planset\67408_E1_Details.dwg | DATE 9/26/2018 11:58 | LAYOUT E9 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	E10	9



PRECAST REINCORCED CONCRETE STORM DRAIN MANHOLE, TYPE I

NTS

MANHOLE NOTES:

1. MANHOLES SHALL CONFORM TO AASHTO M 199, EXCEPT THAT THE ABSORPTION TEST WILL NOT BE REQUIRED. REJECT UNITS THAT ARE CRACKED, HONEYCOMBED OR PATCHED AREAS IN EXCESS OF 30 SQUARE INCHES.
2. CURB INLET:
   STATION/OFFSET REFERENCE FOR CURB INLET IS TO THE LIP OF THE GUTTER. CENTER THE OUTSIDE EDGE OF THE INLET FRAME WITH THE LIP OF THE GUTTER, CENTERED ABOUT THE REFERENCE POINT. RIM ELEVATIONS SHOWN ALREADY ACCOUNT FOR LOCAL DEPRESSION PER CBJ STD 309.
3. AREA DRAIN OR ROUND INLET:
   STATION/OFFSET REFERENCE FOR AREA DRAIN OR ROUND INLETS IS TO THE CENTER OF THE FRAME CASTING.
4. INSULATION NOT SHOWN, SEE SUMMARY TABLES AND SPECIFICATIONS FOR MANHOLE INSULATION REQUIREMENTS.
5. CAST-IN-PLACE STRUCTURES MAY BE ALLOWED IF APPROVED IN ADVANCE BY THE ENGINEER.
6. MANHOLE STEPS SHALL MEET THE REQUIREMENTS OF ASTM C478.

STATE OF ALASKA 49 TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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

PE ____________________

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INDUSTRIAL BLVD SIDEWALK AND WIDENING

DETAILS

FILE Q:\Jnu\67408\Planset\67408_E1_Details.dwg | DATE 9/26/2018 11:58 | LAYOUT E10 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	F1	5

DON ABEL

STA 6+30 LINE "O"
SAWCUT & MATCH
EXISTING PAVEMENT

PI EDGE OF ASPHALT
6+30.00
31.65' LT

PC EDGE
OF ASPHALT
7+08.21
20.00' LT

BEGIN SPECIAL DITCH
7+51.06
26.00' LT

END SPECIAL DITCH
7+89.64
26.00' LT

BEGIN SPECIAL DITCH
8+40.85
22.00' LT

UNDERDRAIN,
(TYP)

SPECIAL
DITCH

END SPECIAL DITCH
10+79.03
22.00' LT

10+53.8 Sidewalk Visual

UD 1.5'

UD 2'

UD 1'

R=250'

S 0°00'50" W

INDUSTRIAL BLVD

GLACIER HWY

5+41

6+00

7+00

8+00

9+00

10+00

11+00

Underdrain Moved to 07+25

EXISTING
10" D.I.P.
WATER MAIN

EXISTING
8" PVC
SANITARY SEWER MAIN

INSULATION
BOARD (TYP)

ADJUST FIRE
HYDRANT

EXISTING SEWER
SERVICE (TYP)

As Built - Two New Driveways

FIBER OPTIC VAULT
ADJUSTMENT (N.I.C.)
COORDINATE WITH ACS
THROUGH THE ENGINEER

REMOVE &
REPLACE
EXISTING LOG
AS REQ'D

GUY WIRE ADJUSTMENT (N.I.C.)
COORDINATE WITH AEL&P
THROUGH THE ENGINEER

EXISTING
ASPHALT
PATHWAY

BOP
STA 5+52
BEGIN NEW SIDEWALK

MATCH "O" 11+10 LINE

SANDBAR
& GRILL

0 40' 80'

SCALE IN FEET

STATE OF ALASKA
49 TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

PVI STA 7+36.49
ELEV = 28.41
LVC = 200.00'

PVC 6+36.49
ELEV = 32.91

PVT 8+36.49
ELEV = 27.66

PVI = 10+56.00
ELEV = 26.01

PVI = 6+30.00
ELEV = 33.20
MATCH EXISTING

-4.50%

-3.54%

-0.75%

-0.89%

-0.30%

PROFILE
GRADE

EXISTING
GROUND

SPECIAL DITCH
PROFILE (TYP)

BEGIN SPECIAL DITCH LT
STA:7+51.06
ELEV:26.34

END SPECIAL DITCH LT
STA:7+89.63
ELEV:24.97

BEGIN SPECIAL DITCH LT
STA:8+40.85
ELEV:24.53

END SPECIAL DITCH LT
STA:10+79.03
ELEV:22.40

PROFILE GRADE
ORIGINAL GROUND

37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20

35.8 35.3 34.5 33.4 32.32 32.3 31.31 31.1 30.43 30.0 29.66 29.0 29.01 28.2 28.47 27.6 28.06 27.0 27.76 26.7 27.56 26.5 27.37 26.4 27.18 26.3 26.99 26.3 26.81 26.1 26.62 26.0 26.43 26.0 26.24 26.0 26.06 26.0 25.85 25.9 25.88 25.7

5+50 6+00 6+50 7+00 7+50 8+00 8+50 9+00 9+50 10+00 10+50 11+00

As-built drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

FILE | Q:\Jnu\67408\Planset\67408_F1-F5_P&P.dwg | DATE | 9/26/2018 13:15 | LAYOUT | 5+40.51-11+10.00 | DESIGNED | CHECKED | DRAFTED

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	F2	5

DON ABEL

EXISTING WATER SERVICE (TYP)

BEGIN SPECIAL DITCH 11+27.71 22.00' LT

UNDERDRAIN, (TYP)

CAUTION: UNDERGROUND UTILITIES

EXISTING SEWER SERVICE (TYP)

END SPECIAL DITCH 14+71.34 22.00' LT

SPECIAL DITCH

UD 1'

UD 1.5

Verify correct install.

BEGIN SPECIAL DITCH 15+25.34 22.00' LT

END SPECIAL DITCH 15+54.59 22.00' LT

FORMAL EXPRESS

K & K AUTO REPAIR

Shoot S-24

MATCH "O" 11+10 LINE

MATCH "O" 16+75 LINE

INSULATION BOARD (TYP)

Dirty

EXISTING 18" PVC SANITARY SEWER MAIN

EXISTING 10" D.I.P. WATER MAIN

S 0°00'50" W

SD 2 13+45 17 RT

INDUSTRIAL BLVD

ADJUST FIRE HYDRANT

Repalaced with new box.

SANDBAR & GRILL

BENTWOOD PL

CAMDEN PL

EXISTING 18" PVC SANITARY SEWER MAIN

ADJUST FIRE HYDRANT

UD 3.5

UD 3.5 piece in back of truck

EXISTING 8" D.I.P. WATER MAIN

EXISTING 8" D.I.P. WATER MAIN

UNDERDRAIN, TIE INTO STRUCTURE S-24

0 40' 80'

SCALE IN FEET

STATE OF ALASKA 49TH

TRAVIS DENNISON CE 11996 9/26/18 REGISTERED PROFESSIONAL ENGINEER

PVI STA 12+27.98
ELEV = 25.50
LVC = 50.00'

PVC 12+02.98 ELEV = 25.57

PVT 12+52.98 ELEV = 25.57

PVI STA 14+18.68
ELEV = 26.07
LVC = 100.00'

PVC 13+68.68 ELEV = 25.92

PVT 14+68.68 ELEV = 25.92

PROFILE GRADE

−0.30%

0.30%

−0.30%

EXISTING GROUND

PVI SPECIAL DITCH LT
STA:11+60.80
ELEV:21.98

−0.56%

BEGIN SPECIAL DITCH LT
STA:11+27.71
ELEV:22.17

SPECIAL DITCH PROFILE (TYP)

−0.35%

END SPECIAL DITCH
STA:14+71.34
ELEV:20.89

BEGIN SPECIAL DITCH
STA:15+25.34
ELEV:20.70

−0.35%

END SPECIAL DITCH LT
STA:15+54.59
ELEV:20.59

PROFILE GRADE
ORIGINAL GROUND

25.85 25.7 | 25.80 25.7 | 25.73 25.5 | 25.65 25.4 | 25.58 25.4 | 25.53 25.4 | 25.56 25.4 | 25.64 25.4 | 25.71 25.2 | 25.79 25.1 | 25.86 25.1 | 25.93 25.0 | 25.98 25.0 | 25.99 24.9 | 25.96 24.8 | 25.90 24.7 | 25.82 24.5 | 25.75 24.4 | 25.67 24.4 | 25.60 24.4 | 25.52 24.4 | 25.45 24.5 | 25.37 24.6 | 25.30 24.7

11+10 11+50 12+00 12+50 13+00 13+50 14+00 14+50 15+00 15+50 16+00 16+50 16+75

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

PE

FILE | Q:\Jnu\67408\Planset\67408_F1-F5_P&P.dwg | DATE | 9/26/2018 13:15 | LAYOUT | 11+10.00-16+75.00 | DESIGNED | --- | CHECKED | --- | DRAFTED | ---

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	F3	5

GLACIER MUFFLER

REMOVE PAVEMENT TO LT ROW LIMIT (17+85 – 18+75)

END SPECIAL DITCH 17+10.58 22.00' LT

BEGIN SPECIAL DITCH 17+34.59 22.00' LT

END SPECIAL DITCH 17+83.27 22.00' LT

BEGIN SPECIAL DITCH 18+66.59 22.00' LT

END SPECIAL DITCH 19+15.27 22.00' LT

BEGIN SPECIAL DITCH 19+36.14 22.00' LT

REMOVE & REPLACE EXISTING BOULDERS AS REQ'D

END SPECIAL DITCH 19+84.82 22.00' LT

BEGIN SPECIAL DITCH 21+65.20 22.00' LT

UNDERDRAIN (TYP), TIE INTO STRUCTURE S-42

INSULATION BOARD (TYP)

UD 1.5'

UD .5'-1'

UD 3'

UD 3'

UD 2'

20+57 Sidewalk Visual

MATCH "O" 16+75 LINE

MATCH "O" 22+45 LINE

INDUSTRIAL BLVD

EXISTING 18" PVC SANITARY SEWER MAIN

EXISTING 10" D.I.P. WATER MAIN

S 0°00'50" W

SW D3 18+50 19 RT

As built Deleted headwall

Check valve box

HYDRANT PAD

EXISTING SEWER SERVICE (TYP)

EXISTING WATER SERVICE (TYP)

EXISTING HYDRANT

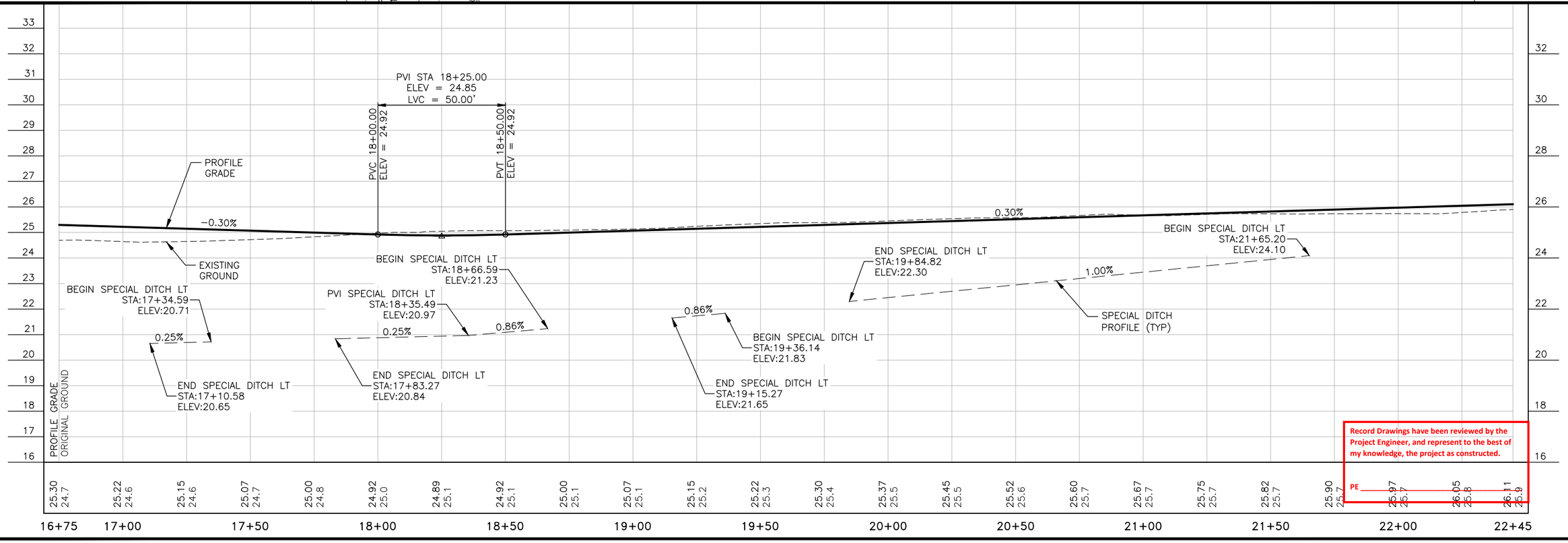
DELTA ALASKA WHOLESALE

DAWSON PL

HOOKED SEAFOOD CO.

0 40' 80'

SCALE IN FEET



STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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

PE _____

FILE | Q:\Jnu\67408\Planset\67408_F1-F5_P&P.dwg | DATE | 9/26/2018 13:15 | LAYOUT | 16+75.00-22+45.00 | DESIGNED | --- | CHECKED | --- | DRAFTED | ---

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	F4	5

NEW LIFE MOTORS

CRAZY HORSE DR

MATCH "O" 22+45 LINE

MATCH "O" 28+15 LINE

INDUSTRIAL BLVD

JUNO AUTO REPAIR

WILLIE'S MARINE

BEGIN SPECIAL DITCH
23+23.66
22.00' LT

END SPECIAL DITCH
24+60.41
22.00' LT

REMOVE PAVEMENT TO LT ROW
LIMIT (23+34 TO 24+26)

BEGIN SPECIAL DITCH
25+09.09
22.00' LT

25+59.2 Sidewalk Visual
REMOVE EXISTING STORM
DRAINS AS REQUIRED TO
MATCH DITCH BACKSLOPE

END SPECIAL DITCH
26+00.79
22.00' LT

BEGIN SPECIAL DITCH
26+53.08
22.00' LT

.UD. 5' might have already been cut.

END SPECIAL DITCH
27+62.98
22.00' LT

EXISTING 18" PVC
SANITARY SEWER MAIN

EXISTING 8" D.I.P.
WATER MAIN

SD 4 23+84 19 RT

INSULATION
BOARD (TYP)

CAUTION:
UNDERGROUND
UTILITIES

HYDRANT
PAD

S 0°00'50" W

EXISTING SEWER
SERVICE (TYP)

No concrete
under iron
S-59

UNDERDRAIN, TIE
INTO STRUCTURE
S-77

UNDERDRAIN, (TYP)

EXISTING WATER
SERVICE (TYP)

REMOVE PAVEMENT TO RT ROW
LIMIT (24+34 TO 25+53)

0 40' 80'

SCALE IN FEET

STATE OF ALASKA
49 TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

PVI STA 24+58.35
ELEV = 26.75
LVC = 100.00'

PVC 24+08.35
ELEV = 26.60

PVT 25+08.35
ELEV = 26.60

0.30%

−0.30%

PROFILE
GRADE

EXISTING
GROUND

PROFILE GRADE
ORIGINAL GROUND

SPECIAL DITCH
PROFILE (TYP)

−0.22%

BEGIN SPECIAL DITCH LT
STA:23+23.66
ELEV:21.58

END SPECIAL DITCH LT
STA:24+60.41
ELEV:21.28

BEGIN SPECIAL DITCH LT
STA:25+09.09
ELEV:21.18

END SPECIAL DITCH LT
STA:26+00.79
ELEV:20.98

BEGIN SPECIAL DITCH LT
STA:26+53.08
ELEV:20.87

END SPECIAL DITCH LT
STA:27+62.98
ELEV:20.63

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

RE

22+50 23+00 23+50 24+00 24+50 25+00 25+50 26+00 26+50 27+00 27+50 28+00

DRAFTED | CHECKED | DESIGNED | 22+45.00-28+15.00 | LAYOUT | DATE | 9/26/2018 13:15

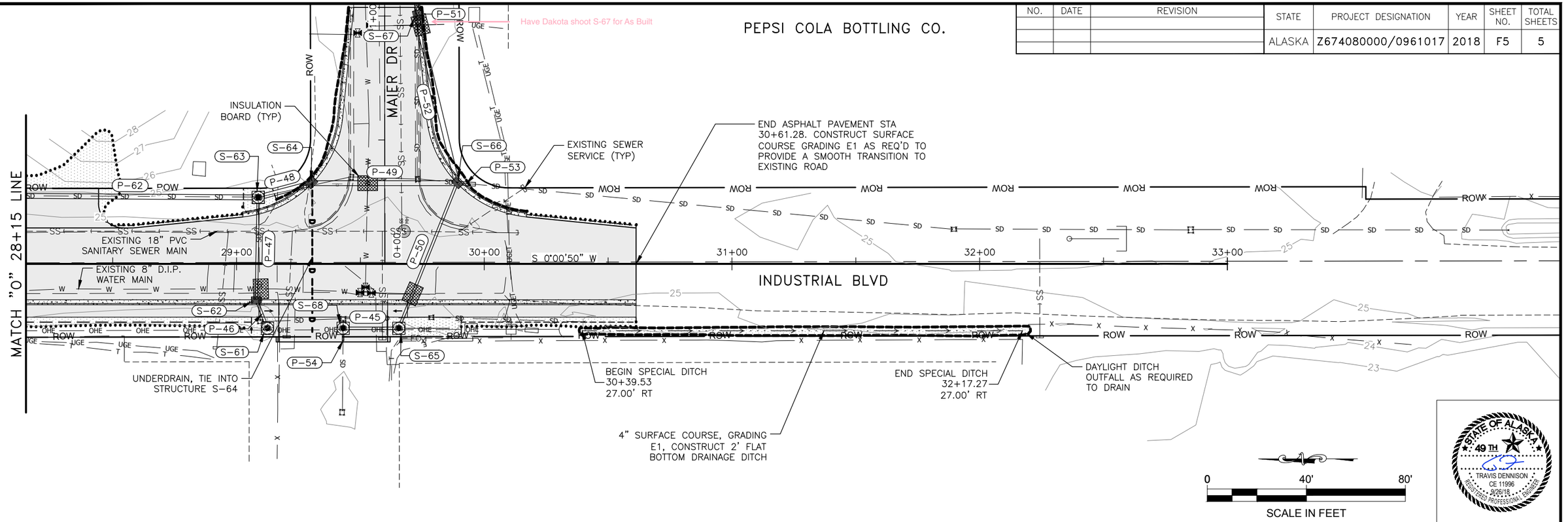
FILE | Q:\Jnu\67408\Planset\67408_F1-F5_P&P.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	F5	5

PEPSI COLA BOTTLING CO.

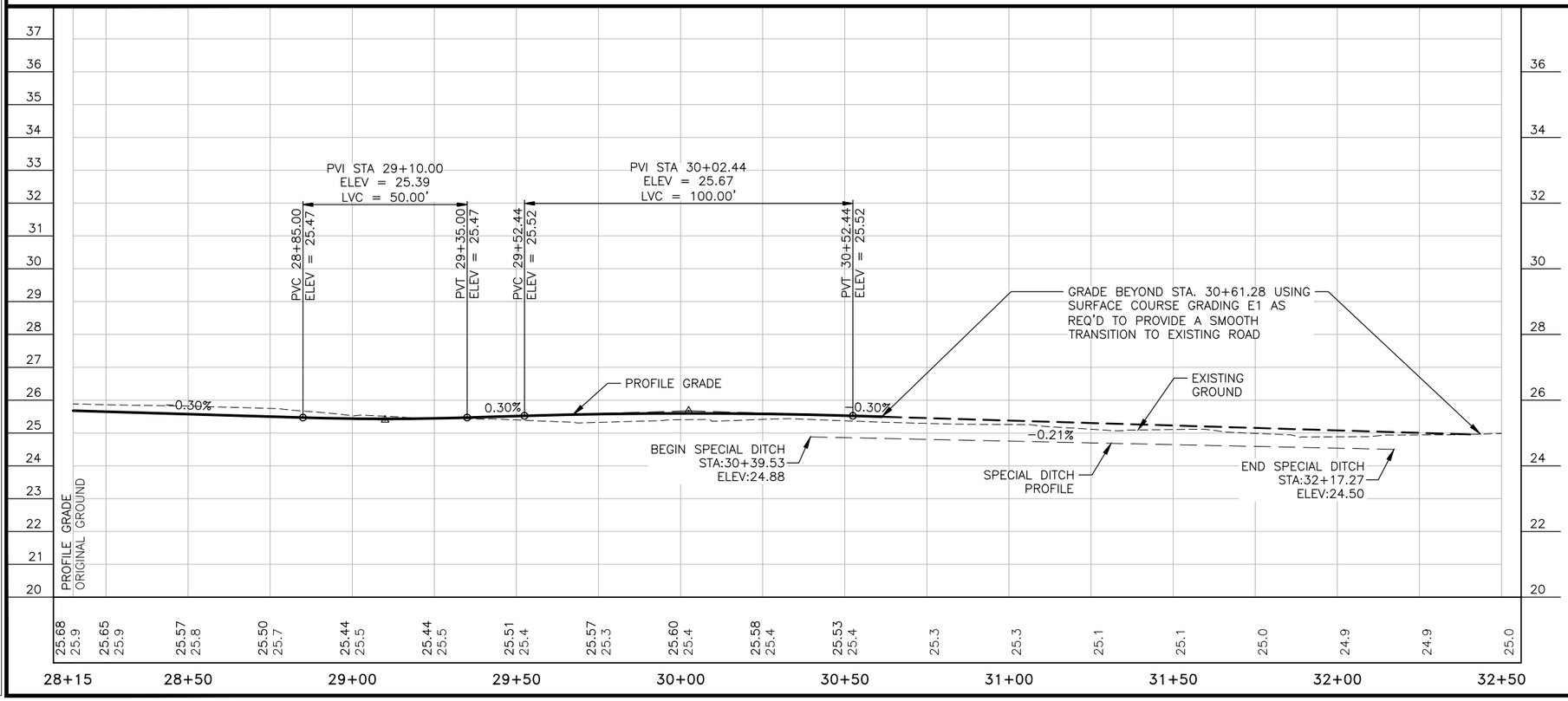
Have Dakota shoot S-67 for As Built



0 40' 80'

SCALE IN FEET

STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

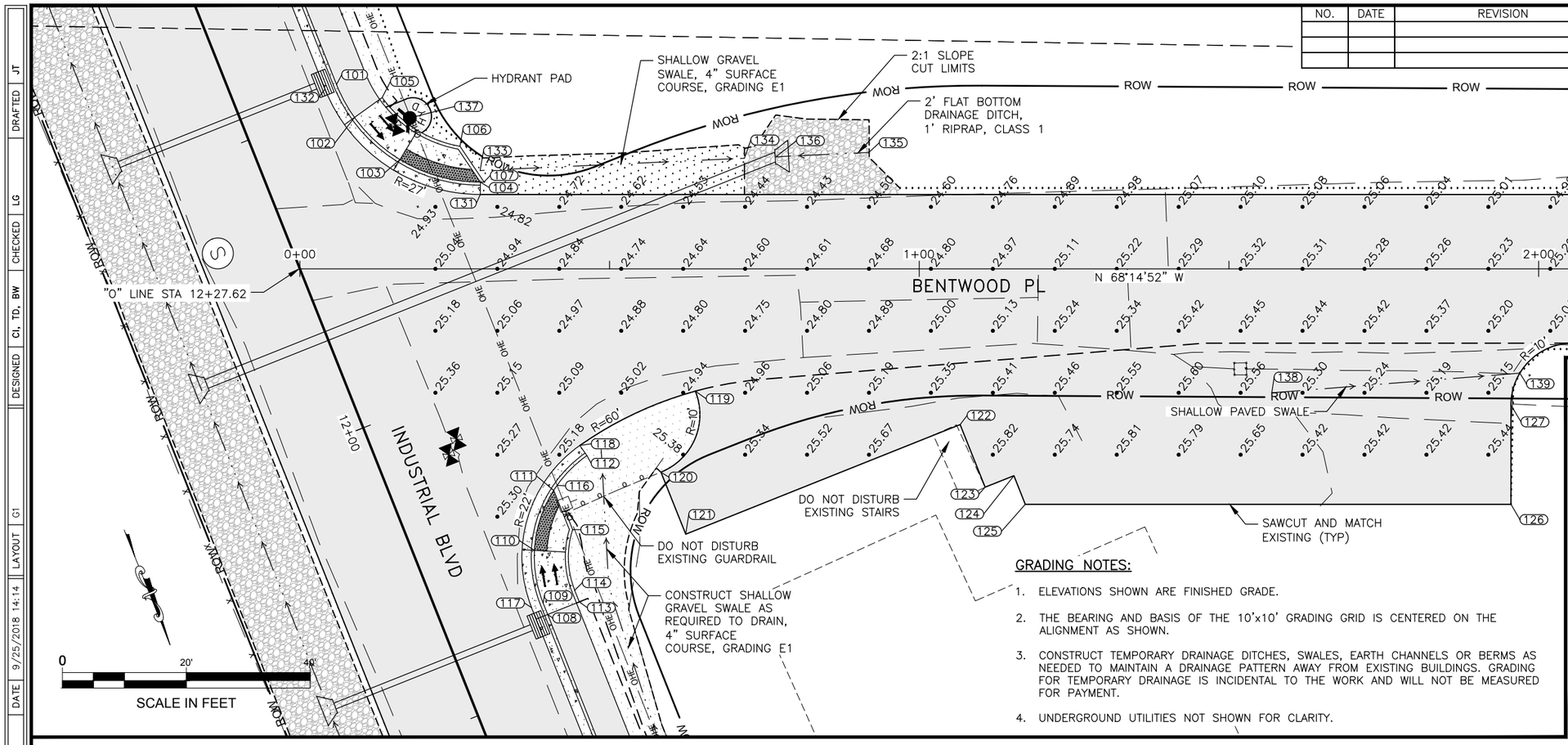


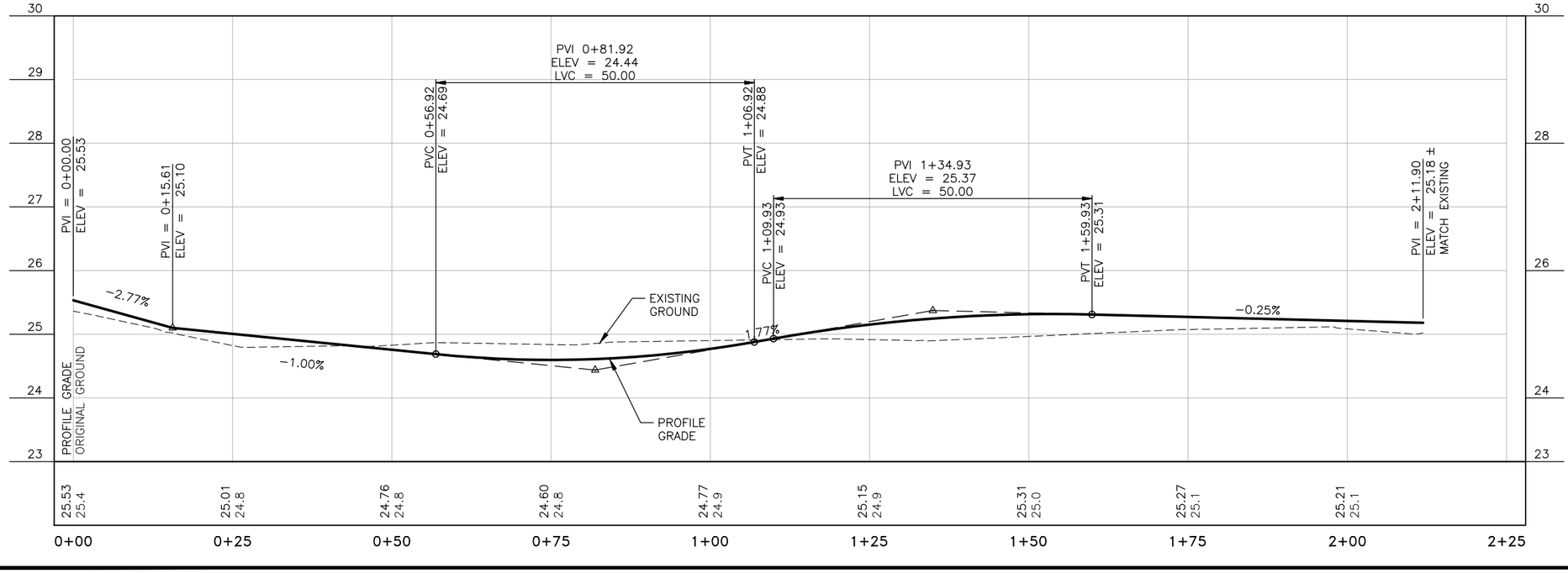
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE _____

FILE Q:\Jnu\67408\Planset\67408_F1-F5_P&P.dwg | DATE 9/26/2018 13:15 | LAYOUT 28+15.00-30+14.28 | DESIGNED | CHECKED | DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	G1	13





GRADING NOTES:

1. ELEVATIONS SHOWN ARE FINISHED GRADE.
2. THE BEARING AND BASIS OF THE 10'x10' GRADING GRID IS CENTERED ON THE ALIGNMENT AS SHOWN.
3. CONSTRUCT TEMPORARY DRAINAGE DITCHES, SWALES, EARTH CHANNELS OR BERMS AS NEEDED TO MAINTAIN A DRAINAGE PATTERN AWAY FROM EXISTING BUILDINGS. GRADING FOR TEMPORARY DRAINAGE IS INCIDENTAL TO THE WORK AND WILL NOT BE MEASURED FOR PAYMENT.
4. UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY.

STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

GRADING COORDINATE TABLE

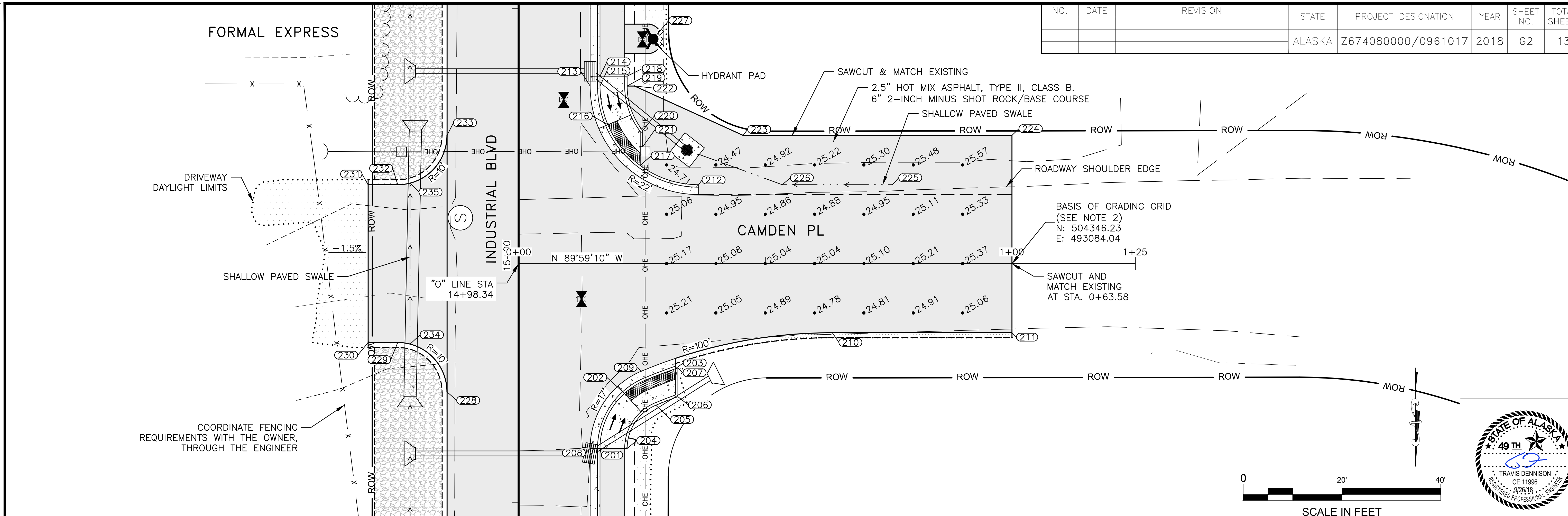
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
101	504591.49	493167.60	25.55	PC TBC
102	504597.51	493166.87	25.46	BEGIN CURB RAMP TBC
103	504606.54	493162.57	24.93	END CURB RAMP TBC
104	504614.72	493151.87	24.78	END LANDING TBC
105	504596.19	493161.53	25.56	TBC BACKING CURB
106	504608.14	493152.77	25.37	TBC BACKING CURB
107	504614.93	493151.31	24.71	TBC BACKING CURB
108	504683.55	493167.62	25.68	PI TBC BEGIN CURB RAMP
109	504681.55	493167.62	25.58	PC TBC CURB RAMP
110	504673.15	493165.77	25.16	TBC END CURB RAMP
111	504665.32	493159.30	25.15	TBC END LANDING
112	504662.09	493152.23	25.16	TBC END DEPRESSED C&G
113	504683.55	493162.12	25.75	TBC BACKING CURB
114	504681.55	493162.12	25.75	TBC BACKING CURB
115	504672.31	493158.80	25.73	TBC BACKING CURB
116	504664.76	493158.48	25.15	TBC BACKING CURB
117	504681.55	493169.62	25.26	PC EDGE OF ASPHALT
118	504660.15	493152.69	25.17	PCC EDGE OF ASPHALT
119	504658.92	493132.12	24.93	PC EDGE OF ASPHALT
120	504669.00	493142.12	25.45	PI EDGE OF ASPHALT
121	504679.77	493142.12	25.87	PI EDGE OF ASPHALT
122	504679.77	493094.41	25.84	PI EDGE OF ASPHALT
123	504690.65	493094.41	26.05	PI EDGE OF ASPHALT
124	504690.65	493089.41	25.95	PI EDGE OF ASPHALT
125	504695.63	493089.41	25.99	PI EDGE OF ASPHALT
126	504724.68	493016.59	25.71	PI EDGE OF ASPHALT
127	504709.82	493010.66	25.20	PC EDGE OF ASPHALT
128	504704.24	492997.67	24.94	PT EDGE OF ASPHALT
129	504706.60	492991.74	24.82	PI EDGE OF ASPHALT
130	504684.31	492982.85	24.93	PI EDGE OF ASPHALT
131	504616.58	493152.61	24.82	PC EDGE OF ASPHALT
132	504591.49	493169.60	25.14	PT EDGE OF ASPHALT
133	504612.97	493151.21	24.81	BEGIN SHALLOW SWALE
134	504626.95	493110.83	24.03	END SHALLOW SWALE
135	504633.53	493091.83	22.49	BEGIN DITCH
136	504628.61	493100.02	22.40	END DITCH
137	504600.89	493158.59	25.75	FG HYDRANT CENTER
138	504693.66	493045.77	25.33	BEGIN SHALLOW SWALE
139	504705.56	493007.41	25.03	END SHALLOW SWALE

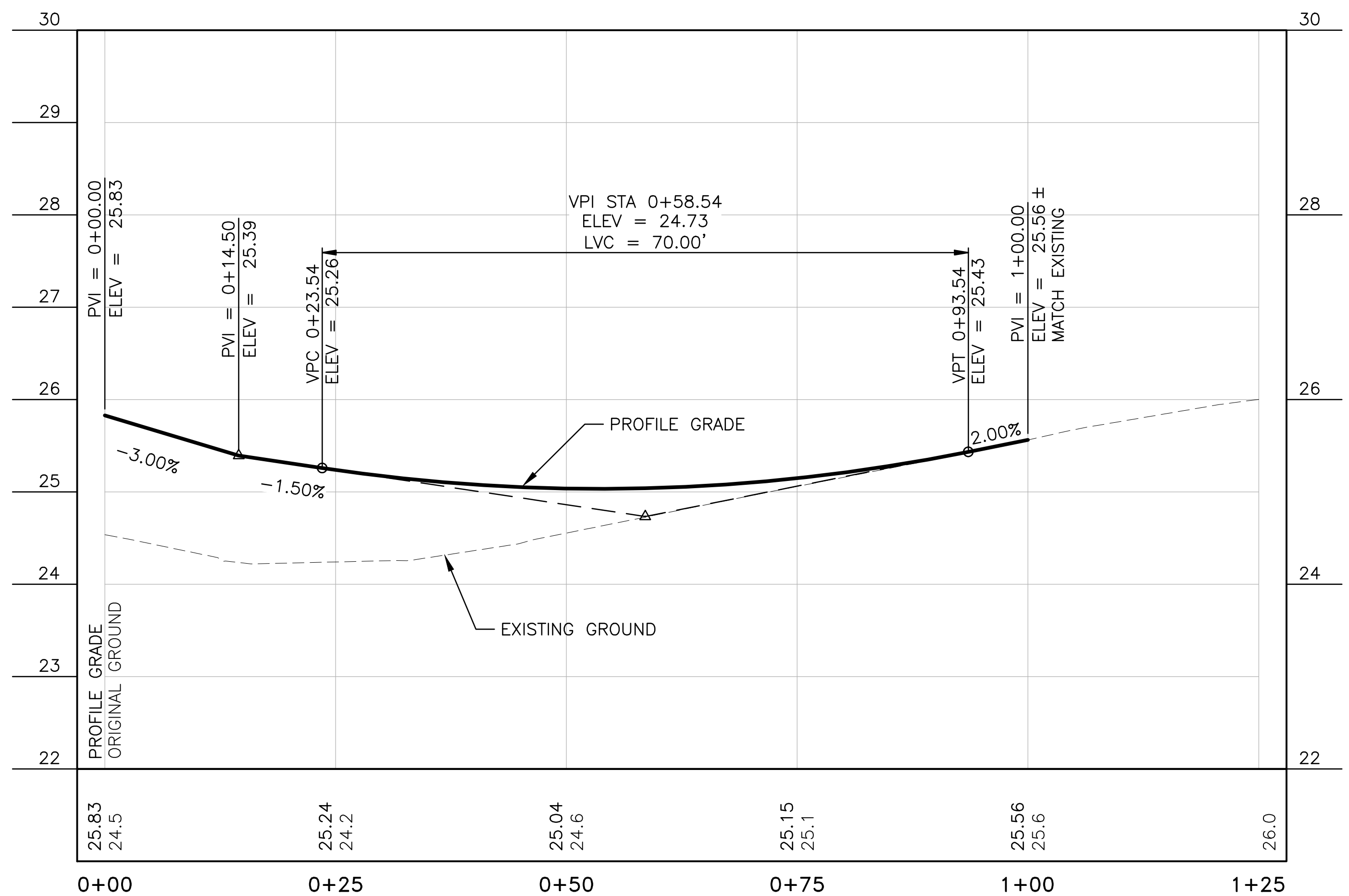
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE

DATE	9/25/2018 14:14	LAYOUT	G1	DESIGNED	CL, TD, BW	CHECKED	LG	DRAFTED	JT

FILE Q:\Jnu\67408\Planset\67408_G1-G5_Intersection.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	G2	13





GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
201	504383.66	493167.55	25.92	PC TBC BEGIN CURB RAMP
202	504372.50	493162.57	25.32	END CURB RAMP TBC
203	504367.51	493152.26	25.20	END LANDING TBC
204	504383.66	493162.05	26.00	TBC BACKING CURB
205	504374.90	493156.22	25.84	TBC BACKING CURB
206	504373.17	493151.76	25.77	TBC BACKING CURB
207	504367.35	493151.76	25.12	TBC BACKING CURB
208	504383.66	493169.55	25.50	PC EDGE OF ASPHALT
209	504367.98	493159.12	25.30	PCC EDGE OF ASPHALT
210	504360.22	493120.46	24.64	PT EDGE OF ASPHALT
211	504360.23	493084.05	25.07	PI EDGE OF ASPHALT
212	504330.21	493147.54	24.90	TBC END DEPRESSED C&G
213	504310.21	493169.53	25.29	PT EDGE OF ASPHALT
214	504308.21	493167.53	25.70	TBC BEGIN CURB RAMP
215	504310.21	493167.53	25.59	PC TBC
216	504318.05	493165.94	25.16	TBC END CURB RAMP
217	504326.32	493159.39	25.04	TBC END LANDING
218	504308.21	493162.03	25.77	TBC BACKING CURB
219	504310.21	493162.03	25.77	TBC BACKING CURB
220	504319.24	493158.89	25.66	TBC BACKING CURB
221	504322.52	493158.89	25.11	TBC BACKING CURB
222	504310.21	493160.53	25.30	PI EDGE OF ASPHALT
223	504320.22	493138.54	25.27	PI EDGE OF ASPHALT
224	504320.23	493084.04	25.98	PI EDGE OF ASPHALT
225	504330.22	493108.25	24.89	BEGIN SHALLOW SWALE

GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
226	504330.22	493130.58	24.71	PI SHALLOW SWALE
227	504300.71	493156.77	26.07	FG HYDRANT CENTER
228	504372.20	493198.55	25.47	PC EDGE OF ASPHALT
229	504362.20	493208.55	25.34	PT EDGE OF ASPHALT
230	504362.20	493214.55	25.46	PI EDGE OF ASPHALT
231	504330.20	493214.54	25.37	PI EDGE OF ASPHALT
232	504330.20	493208.54	25.25	PC EDGE OF ASPHALT
233	504320.20	493198.54	25.32	PT EDGE OF ASPHALT
234	504362.52	493206.05	25.29	BEGIN SWALE
235	504329.88	493206.04	25.19	END SWALE

GRADING NOTES:

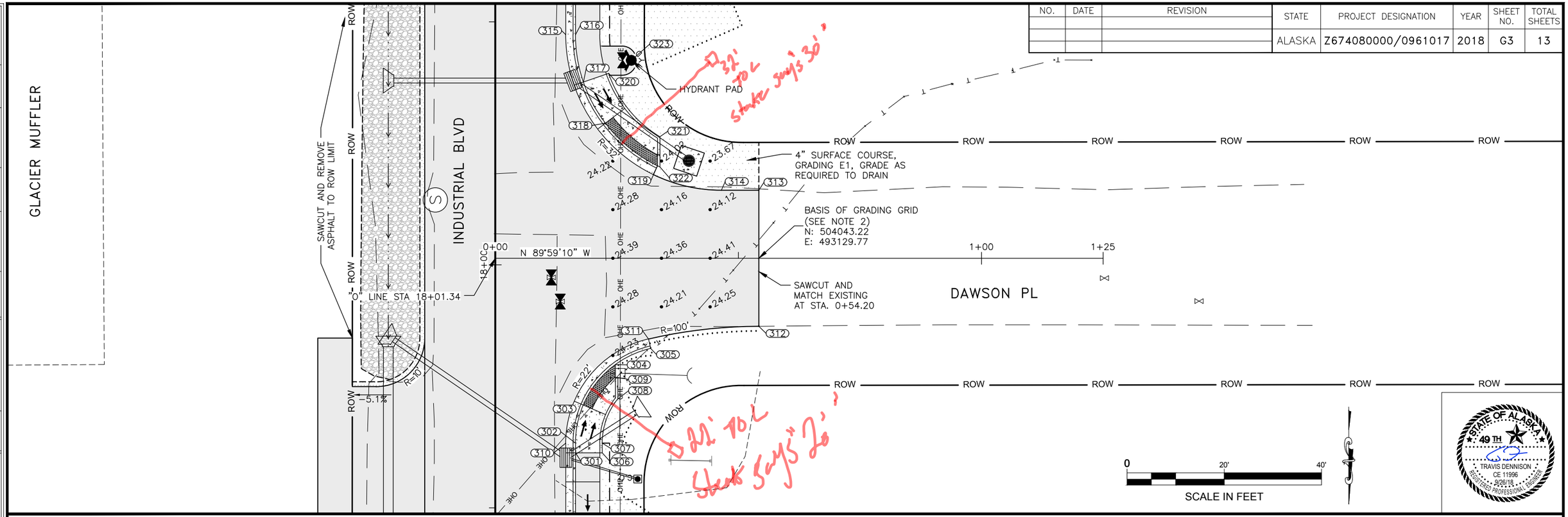
1. ELEVATIONS SHOWN ARE FINISHED GRADE.
2. THE BEARING AND BASIS OF THE 10'x10' GRADING GRID IS CENTERED ON THE ALIGNMENT AS SHOWN.
3. CONSTRUCT TEMPORARY DRAINAGE DITCHES, SWALES, EARTH CHANNELS OR BERMS AS NEEDED TO MAINTAIN A DRAINAGE PATTERN AWAY FROM EXISTING BUILDINGS. GRADING FOR TEMPORARY DRAINAGE IS INCIDENTAL TO THE WORK AND WILL NOT BE MEASURED FOR PAYMENT.
4. UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY.

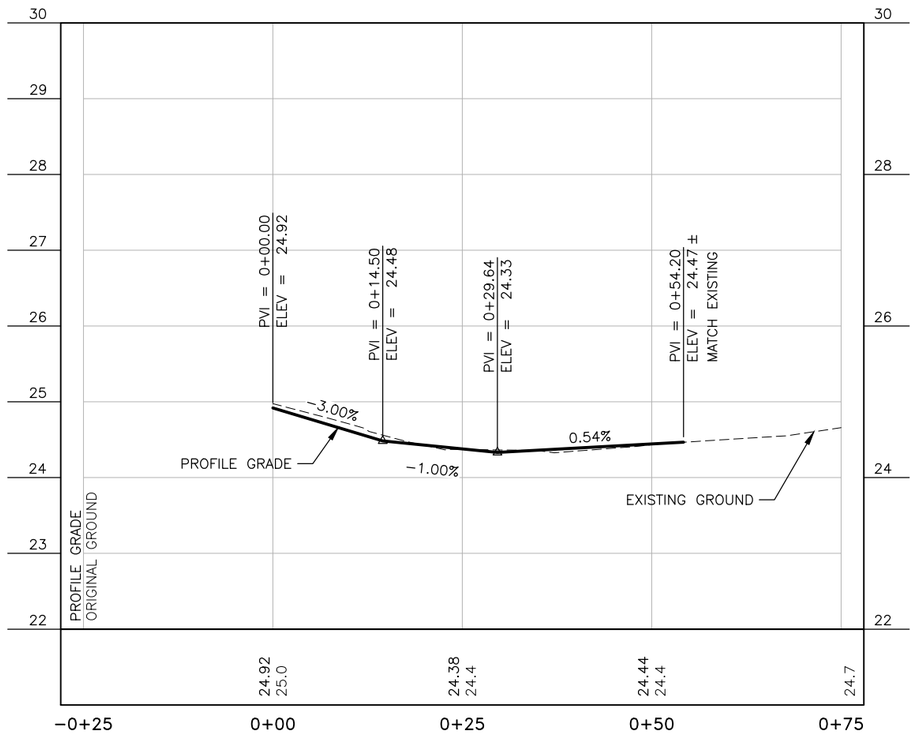
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE ____________________

FILE Q:\Jnu\67408\Planset\67408_G1-G5_Intersection.dwg | DATE 9/25/2018 14:14 | LAYOUT G2 | DESIGNED --, --, -- | CHECKED --, --, -- | DRAFTED --, --, --

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	G3	13





GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
301	504083.24	493167.48	25.02	TBC BEGIN CURB RAMP
302	504081.24	493167.48	24.90	PC TBC
303	504073.40	493165.88	24.41	TBC END CURB RAMP
304	504065.10	493159.27	24.21	TBC END LANDING
305	504061.77	493152.01	24.06	TBC END DEPRESSED C&G
306	504083.24	493161.98	25.10	TBC BACKING CURB
307	504081.24	493161.98	25.06	TBC BACKING CURB
308	504072.16	493158.77	24.87	TBC BACKING CURB
309	504067.75	493158.77	24.27	TBC BACKING CURB
310	504081.24	493169.48	24.60	PC EDGE OF ASPHALT
311	504059.82	493152.46	24.10	PCC EDGE OF ASPHALT
312	504057.22	493129.77	24.24	PI EDGE OF ASPHALT
313	504029.22	493129.77	23.94	PI EDGE OF ASPHALT
314	504029.22	493137.47	23.99	PC EDGE OF ASPHALT
315	503997.21	493169.46	24.48	PT EDGE OF ASPHALT
316	503997.21	493167.46	24.90	PC TBC
317	504006.93	493165.84	24.78	TBC BEGIN CURB RAMP
318	504015.40	493161.32	24.22	TBC END CURB RAMP
319	504024.18	493150.61	24.06	TBC END LANDING
320	504005.15	493160.64	24.85	TBC BACKING CURB
321	504018.20	493150.11	24.48	TBC BACKING CURB
322	504024.42	493150.11	24.07	TBC BACKING CURB
323	504002.48	493155.99	25.26	FG HYDRANT CENTER

GRADING NOTES:

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STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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

PE _____

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NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	G4	13

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GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
401	503622.39	493167.37	25.84	PC TBC
402	503615.54	493166.41	25.91	TBC BEGIN CURB RAMP
403	503606.67	493161.80	25.29	TBC END CURB RAMP
404	503599.82	493153.19	25.15	TBC END LANDING
405	503596.93	493147.37	25.20	TBC END DEPRESSED C&G
406	503617.05	493161.12	25.98	TBC BACKING CURB
407	503604.66	493150.59	25.22	TBC BACKING CURB
408	503622.39	493169.37	25.60	PC EDGE OF ASPHALT
409	503598.83	493155.55	25.18	PCC EDGE OF ASPHALT
410	503595.11	493148.20	25.24	PC EDGE OF ASPHALT LANE

GRADING COORDINATE TABLE

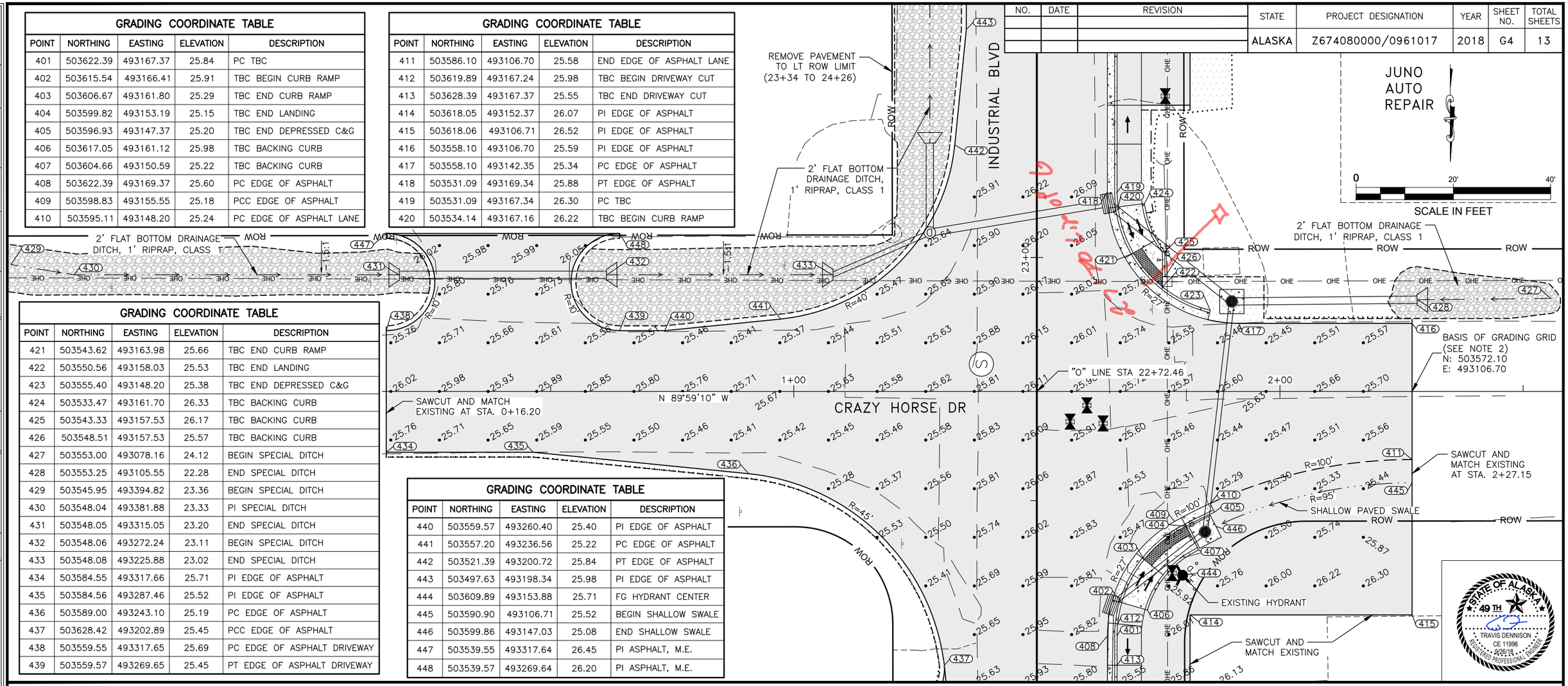
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
411	503586.10	493106.70	25.58	END EDGE OF ASPHALT LANE
412	503619.89	493167.24	25.98	TBC BEGIN DRIVEWAY CUT
413	503628.39	493167.37	25.55	TBC END DRIVEWAY CUT
414	503618.05	493152.37	26.07	PI EDGE OF ASPHALT
415	503618.06	493106.71	26.52	PI EDGE OF ASPHALT
416	503558.10	493106.70	25.59	PI EDGE OF ASPHALT
417	503558.10	493142.35	25.34	PC EDGE OF ASPHALT
418	503531.09	493169.34	25.88	PT EDGE OF ASPHALT
419	503531.09	493167.34	26.30	PC TBC
420	503534.14	493167.16	26.22	TBC BEGIN CURB RAMP

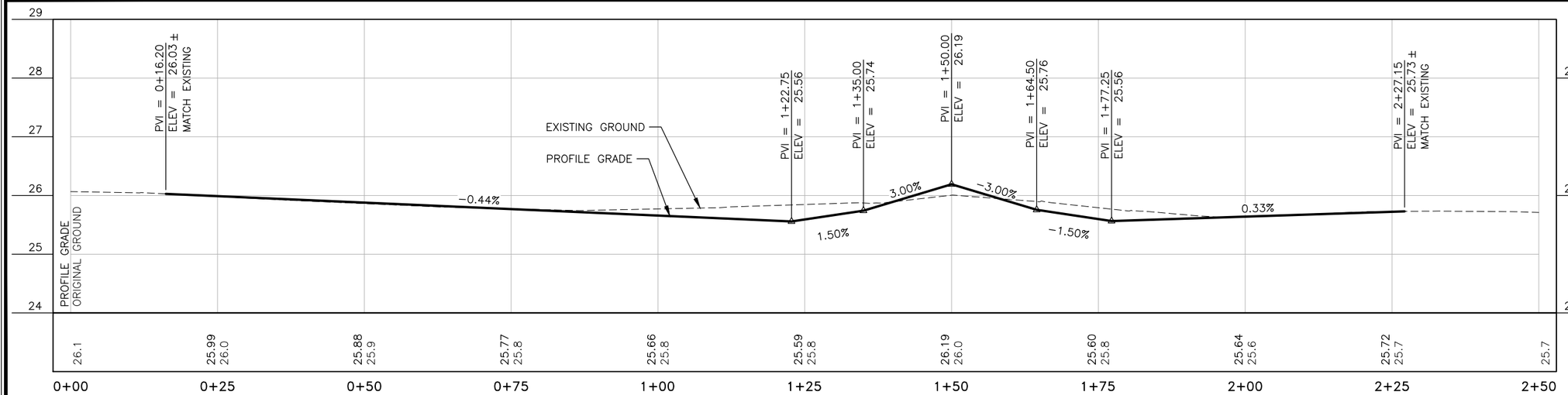
GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
421	503543.62	493163.98	25.66	TBC END CURB RAMP
422	503550.56	493158.03	25.53	TBC END LANDING
423	503555.40	493148.20	25.38	TBC END DEPRESSED C&G
424	503533.47	493161.70	26.33	TBC BACKING CURB
425	503543.33	493157.53	26.17	TBC BACKING CURB
426	503548.51	493157.53	25.57	TBC BACKING CURB
427	503553.00	493078.16	24.12	BEGIN SPECIAL DITCH
428	503553.25	493105.55	22.28	END SPECIAL DITCH
429	503545.95	493394.82	23.36	BEGIN SPECIAL DITCH
430	503548.04	493381.88	23.33	PI SPECIAL DITCH
431	503548.05	493315.05	23.20	END SPECIAL DITCH
432	503548.06	493272.24	23.11	BEGIN SPECIAL DITCH
433	503548.08	493225.88	23.02	END SPECIAL DITCH
434	503584.55	493317.66	25.71	PI EDGE OF ASPHALT
435	503584.56	493287.46	25.52	PI EDGE OF ASPHALT
436	503589.00	493243.10	25.19	PC EDGE OF ASPHALT
437	503628.42	493202.89	25.45	PCC EDGE OF ASPHALT
438	503559.55	493317.65	25.69	PC EDGE OF ASPHALT DRIVEWAY
439	503559.57	493269.65	25.45	PT EDGE OF ASPHALT DRIVEWAY

GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
440	503559.57	493260.40	25.40	PI EDGE OF ASPHALT
441	503557.20	493236.56	25.22	PC EDGE OF ASPHALT
442	503521.39	493200.72	25.84	PT EDGE OF ASPHALT
443	503497.63	493198.34	25.98	PI EDGE OF ASPHALT
444	503609.89	493153.88	25.71	FG HYDRANT CENTER
445	503590.90	493106.71	25.52	BEGIN SHALLOW SWALE
446	503599.86	493147.03	25.08	END SHALLOW SWALE
447	503539.55	493317.64	26.45	PI ASPHALT, M.E.
448	503539.57	493269.64	26.20	PI ASPHALT, M.E.





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STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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

PE _____

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	G5	13

DRAFTED	CHECKED	DESIGNED	LAYOUT	DATE
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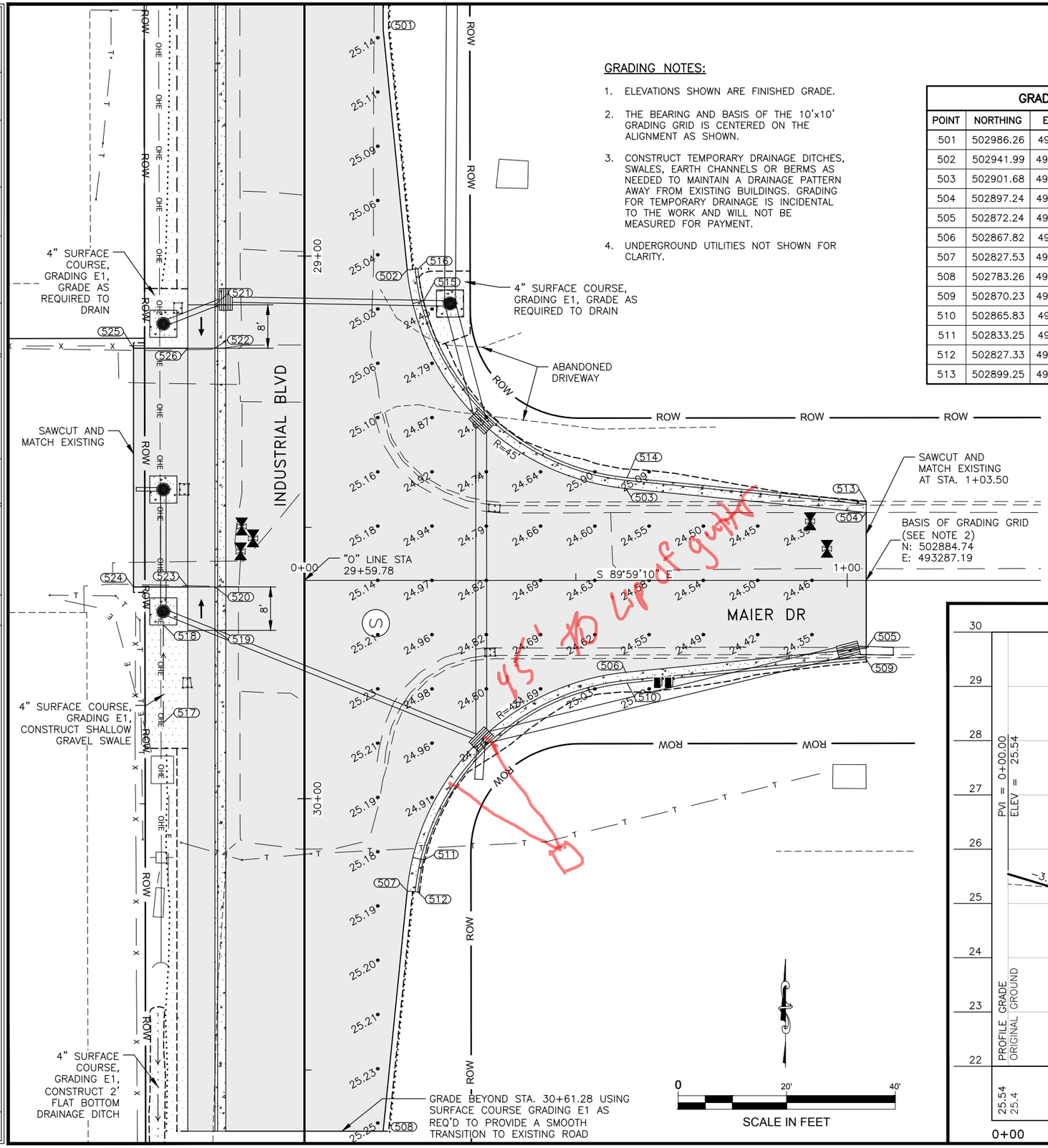

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GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
501	502986.26	493198.21	25.11	PI EDGE OF ASPHALT
502	502941.99	493202.63	24.87	PC EDGE OF ASPHALT
503	502901.68	493242.92	24.55	PT EDGE OF ASPHALT
504	502897.24	493287.19	24.31	PI EDGE OF ASPHALT
505	502872.24	493287.19	24.23	PI EDGE OF ASPHALT
506	502867.82	493242.91	24.56	PC EDGE OF ASPHALT
507	502827.53	493202.60	25.02	PT EDGE OF ASPHALT
508	502783.26	493198.16	25.23	PI EDGE OF ASPHALT
509	502870.23	493287.19	24.65	TBC M.E.
510	502865.83	493243.11	24.98	TBC PC
511	502833.25	493205.61	25.39	TBC BEGIN CURB TAPER
512	502827.33	493204.59	25.02	TBC END CURB TAPER
513	502899.25	493287.19	24.73	TBC M.E.

GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
514	502903.67	493243.12	24.96	TBC PC
515	502936.27	493205.63	25.25	TBC BEGIN CURB TAPER
516	502942.19	493204.62	24.87	TBC END CURB TAPER
517	502858.56	493157.69	24.93	BEGIN SHALLOW SWALE
518	502876.56	493157.69	24.75	END SHALLOW SWALE
519	502875.56	493167.19	25.54	TBC BEGIN DRIVEWAY CURB CUT
520	502883.56	493167.19	25.07	TBC END DRIVEWAY CURB CUT
521	502935.56	493167.20	25.41	TBC BEGIN DRIVEWAY CURB CUT
522	502927.56	493167.20	24.96	TBC END DRIVEWAY CURB CUT
523	502883.56	493162.19	25.14	PI EDGE OF ASPHALT
524	502883.56	493152.19	25.26	PI EDGE OF ASPHALT
525	502927.56	493152.20	25.21	PI EDGE OF ASPHALT
526	502927.56	493162.20	25.03	PI EDGE OF ASPHALT

STATE OF ALASKA 49TH
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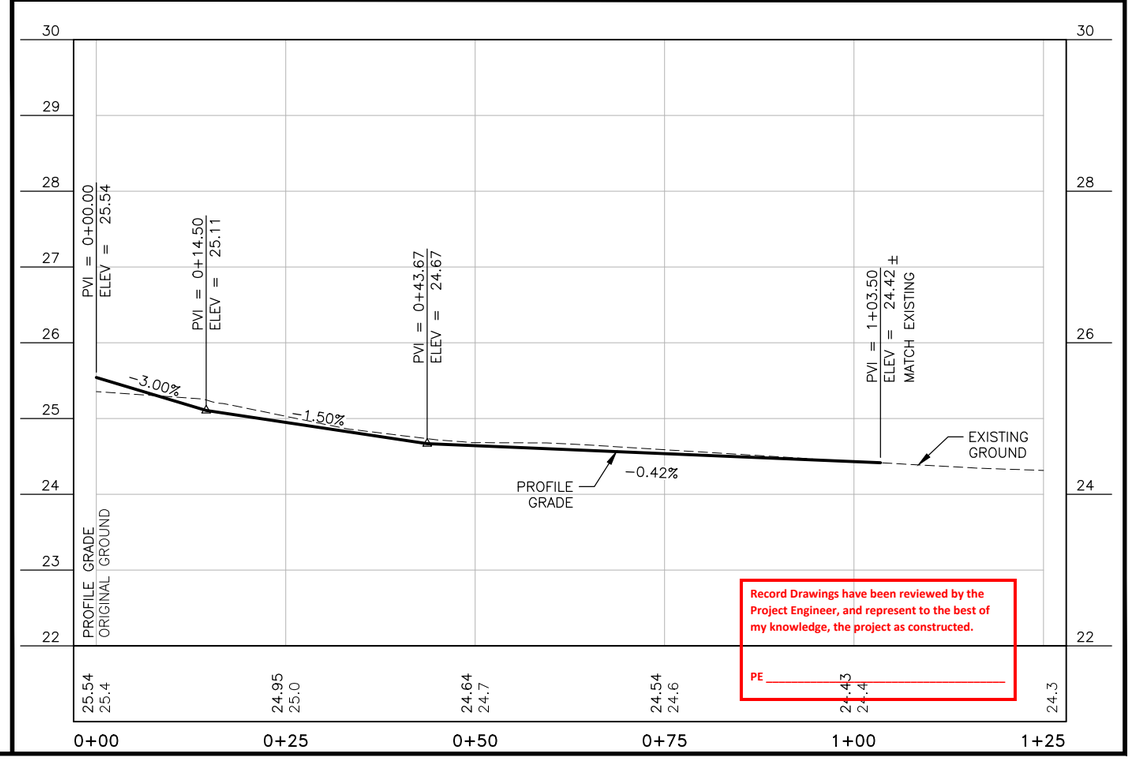

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ALASKA	Z674080000/0961017	2018	G6	13

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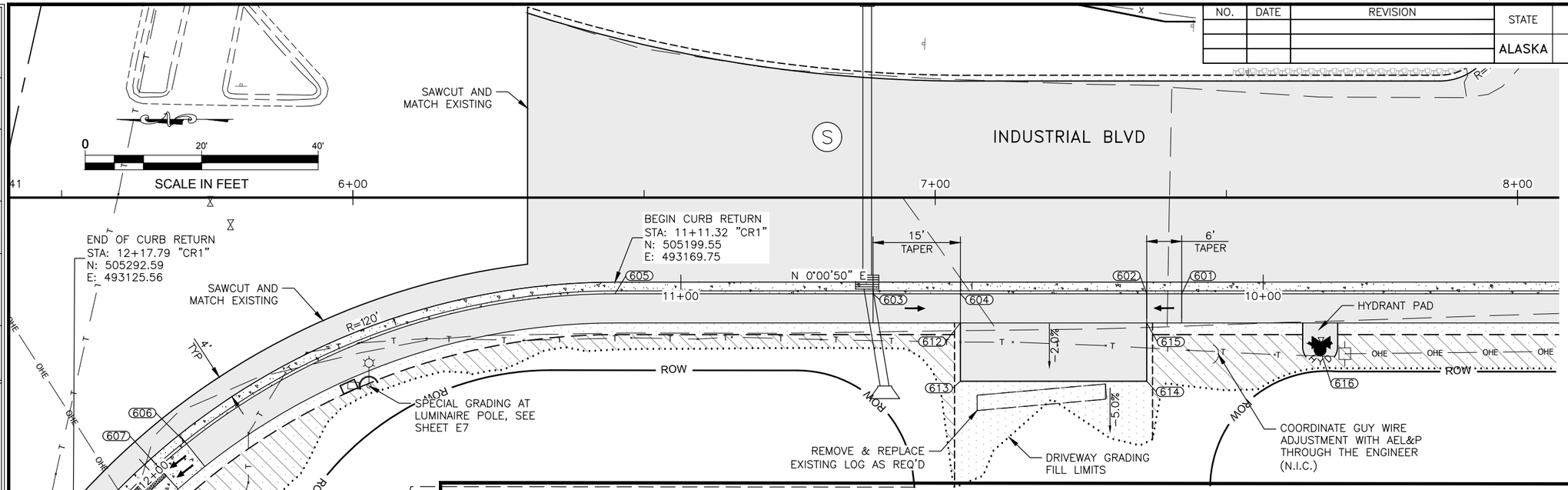

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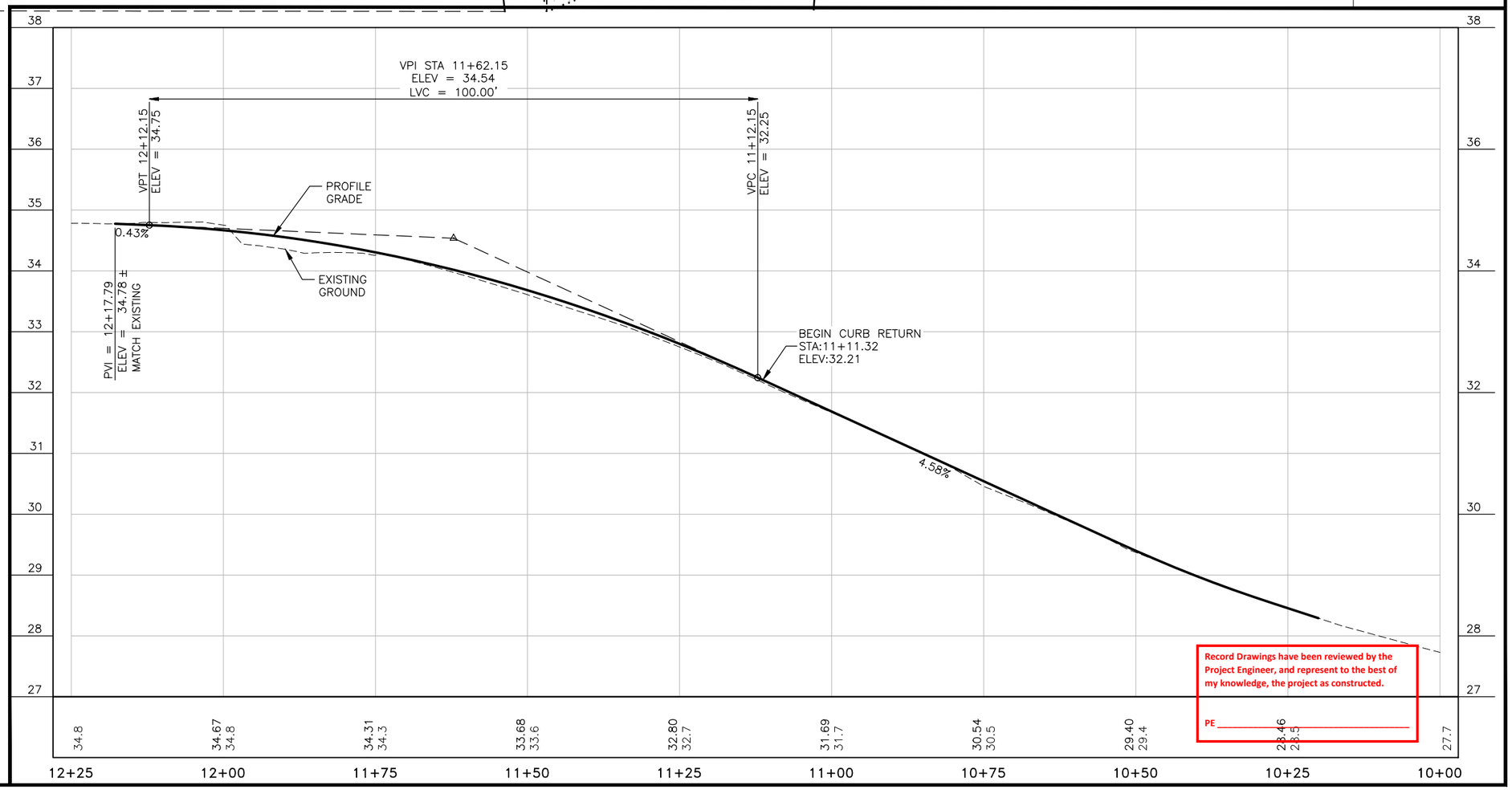
STATE OF ALASKA
49 TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
601	505102.22	493167.72	29.18	TBC BEGIN DRIVEWAY CUT
602	505108.22	493167.72	28.83	TBC END DRIVEWAY CUT
603	505155.22	493167.74	30.75	TBC BEGIN DRIVEWAY CUT
604	505140.22	493167.73	29.79	TBC END DRIVEWAY CUT
605	505199.55	493167.75	32.49	PC TBC
606	505273.10	493142.05	34.98	TBC BEGIN CURB RAMP
607	505277.89	493138.01	34.63	TBC END CURB RAMP
608	505291.04	493124.30	34.72	TBC END LANDING
609	505292.50	493118.43	34.68	PI PCC LANDING
610	505286.06	493117.04	34.54	PI PCC LANDING
611	505285.41	493119.66	34.59	PC PCC LANDING
612	505140.23	493162.73	29.87	PI EDGE OF ASPHALT
613	505140.23	493152.73	30.07	PI EDGE OF ASPHALT
614	505108.23	493152.73	28.41	PI EDGE OF ASPHALT
615	505108.23	493162.73	28.90	PI EDGE OF ASPHALT
616	505078.46	493158.14	27.99	FG HYDRANT CENTER



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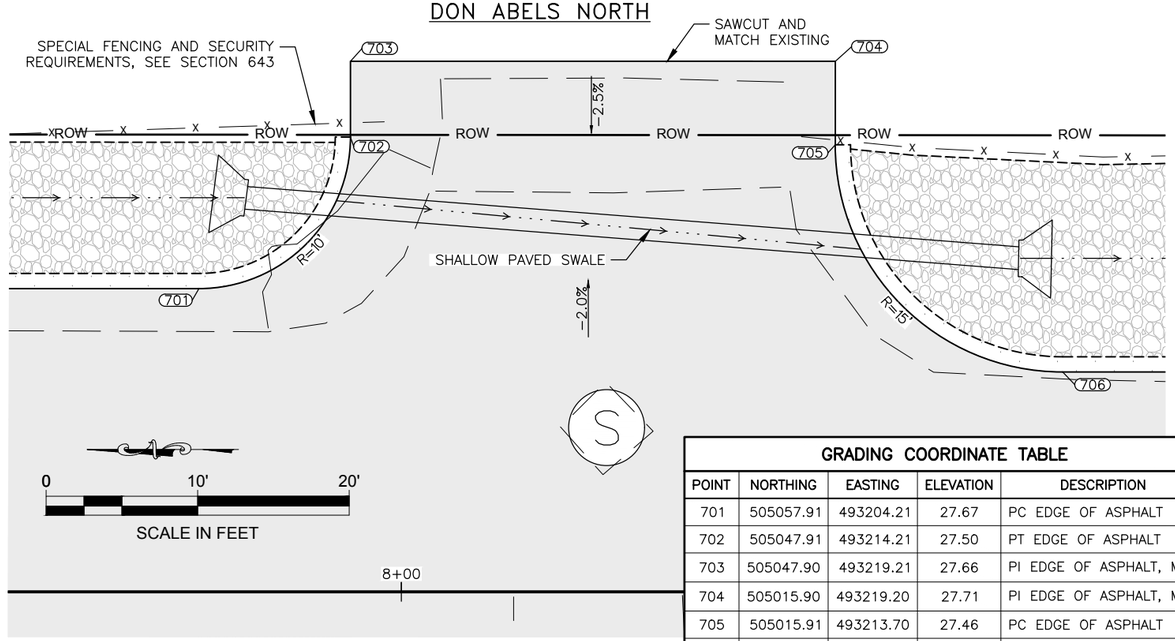
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	G7	13

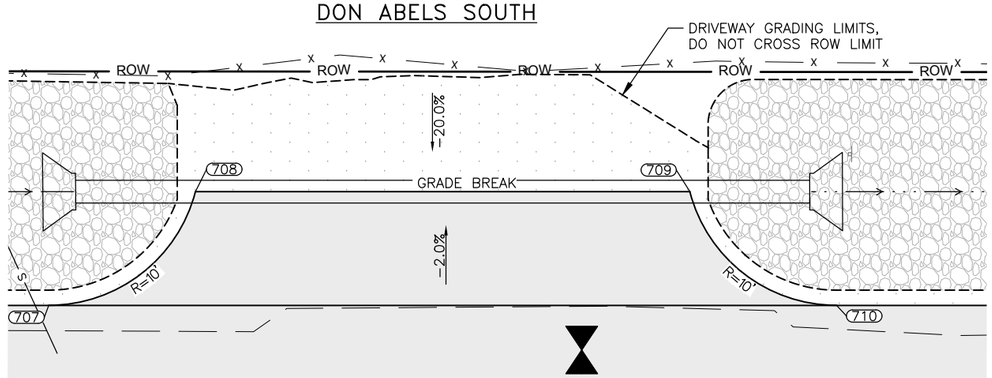
9997, 9999 GLACIER HWY
DON ABELS NORTH



GRADING COORDINATE TABLE

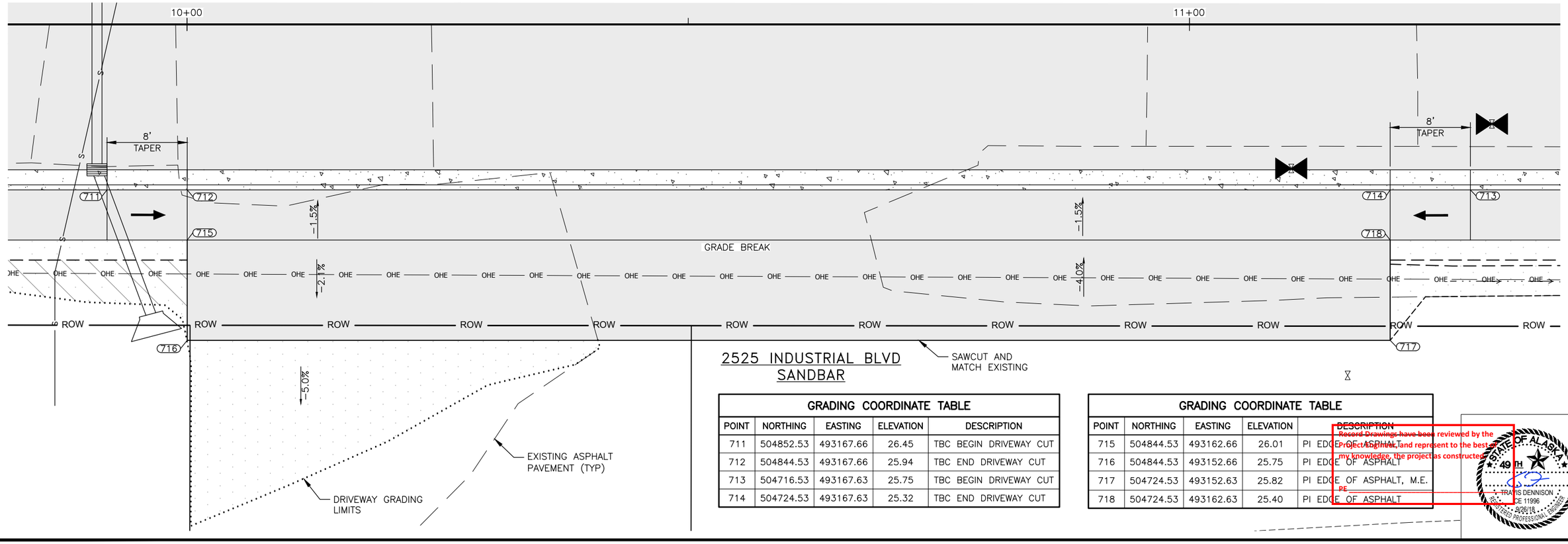
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
701	505057.91	493204.21	27.67	PC EDGE OF ASPHALT
702	505047.91	493214.21	27.50	PT EDGE OF ASPHALT
703	505047.90	493219.21	27.66	PI EDGE OF ASPHALT, M.E.
704	505015.90	493219.20	27.71	PI EDGE OF ASPHALT, M.E.
705	505015.91	493213.70	27.46	PC EDGE OF ASPHALT
706	505000.91	493198.70	27.17	PT EDGE OF ASPHALT

9997, 9999 GLACIER HWY
DON ABELS SOUTH



GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
707	504767.17	493198.64	25.51	PC EDGE OF ASPHALT
708	504757.49	493206.14	25.33	PI EDGE OF ASPHALT
709	504724.85	493206.13	25.23	PC EDGE OF ASPHALT
710	504715.17	493198.63	25.36	PT EDGE OF ASPHALT



2525 INDUSTRIAL BLVD
SANDBAR

SAWCUT AND MATCH EXISTING

GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
711	504852.53	493167.66	26.45	TBC BEGIN DRIVEWAY CUT
712	504844.53	493167.66	25.94	TBC END DRIVEWAY CUT
713	504716.53	493167.63	25.75	TBC BEGIN DRIVEWAY CUT
714	504724.53	493167.63	25.32	TBC END DRIVEWAY CUT

GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
715	504844.53	493162.66	26.01	PI EDGE OF ASPHALT
716	504844.53	493152.66	25.75	PI EDGE OF ASPHALT
717	504724.53	493152.63	25.82	PI EDGE OF ASPHALT, M.E.
718	504724.53	493162.63	25.40	PI EDGE OF ASPHALT

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PE

STATE OF ALASKA
49TH
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CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

DESIGNED	DRAFTED	CHECKED	LAYOUT	DATE	FILE
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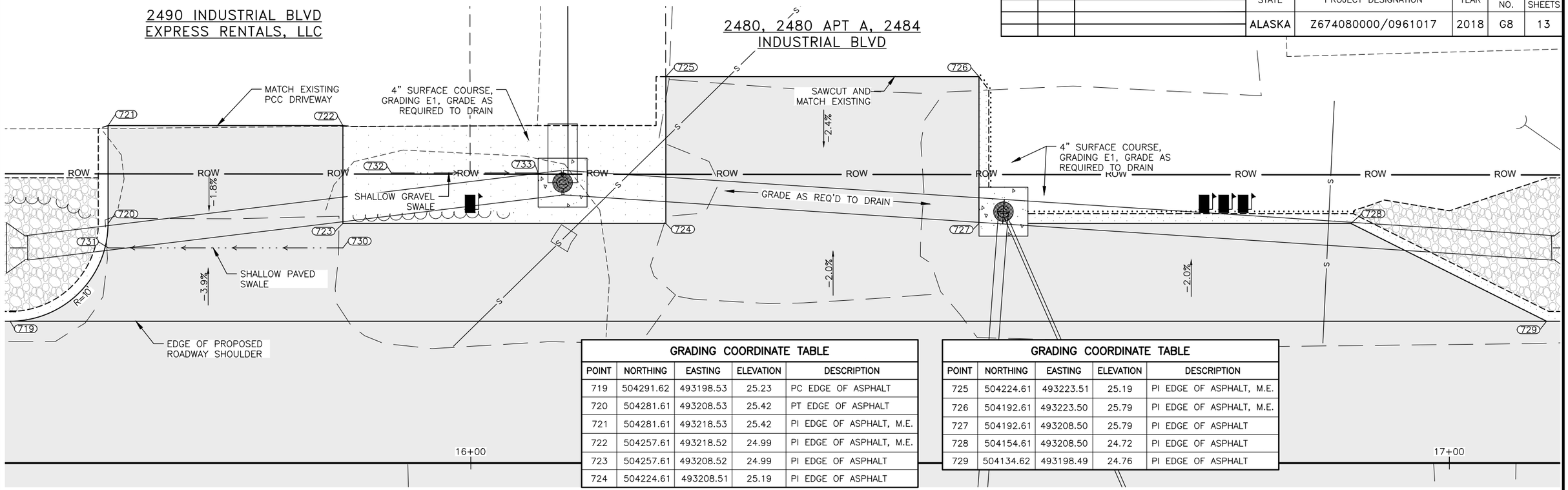
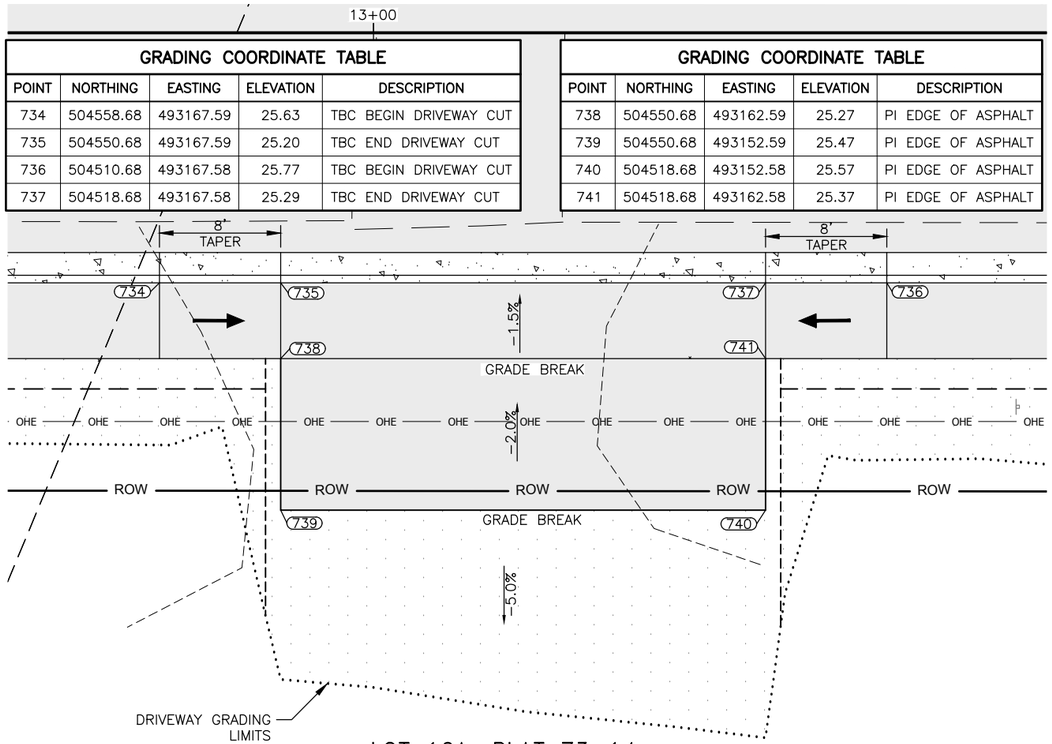
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	G8	13



GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
719	504291.62	493198.53	25.23	PC EDGE OF ASPHALT
720	504281.61	493208.53	25.42	PT EDGE OF ASPHALT
721	504281.61	493218.53	25.42	PI EDGE OF ASPHALT, M.E.
722	504257.61	493218.52	24.99	PI EDGE OF ASPHALT, M.E.
723	504257.61	493208.52	24.99	PI EDGE OF ASPHALT
724	504224.61	493208.51	25.19	PI EDGE OF ASPHALT

GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
725	504224.61	493223.51	25.19	PI EDGE OF ASPHALT, M.E.
726	504192.61	493223.50	25.79	PI EDGE OF ASPHALT, M.E.
727	504192.61	493208.50	25.79	PI EDGE OF ASPHALT
728	504154.61	493208.50	24.72	PI EDGE OF ASPHALT
729	504134.62	493198.49	24.76	PI EDGE OF ASPHALT



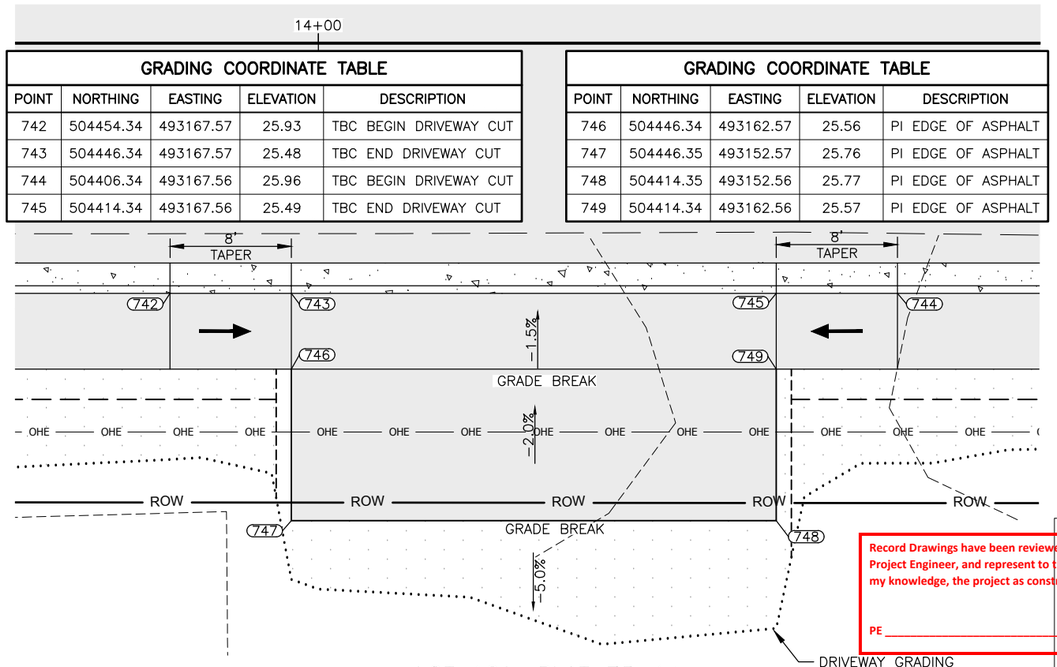
GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
734	504558.68	493167.59	25.63	TBC BEGIN DRIVEWAY CUT
735	504550.68	493167.59	25.20	TBC END DRIVEWAY CUT
736	504510.68	493167.58	25.77	TBC BEGIN DRIVEWAY CUT
737	504518.68	493167.58	25.29	TBC END DRIVEWAY CUT

GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
738	504550.68	493162.59	25.27	PI EDGE OF ASPHALT
739	504550.68	493152.59	25.47	PI EDGE OF ASPHALT
740	504518.68	493152.58	25.57	PI EDGE OF ASPHALT
741	504518.68	493162.58	25.37	PI EDGE OF ASPHALT

LOT 16A, PLAT 73-14

0 10' 20'

SCALE IN FEET



GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
742	504454.34	493167.57	25.93	TBC BEGIN DRIVEWAY CUT
743	504446.34	493167.57	25.48	TBC END DRIVEWAY CUT
744	504406.34	493167.56	25.96	TBC BEGIN DRIVEWAY CUT
745	504414.34	493167.56	25.49	TBC END DRIVEWAY CUT

GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
746	504446.34	493162.57	25.56	PI EDGE OF ASPHALT
747	504446.35	493152.57	25.76	PI EDGE OF ASPHALT
748	504414.35	493152.56	25.77	PI EDGE OF ASPHALT
749	504414.34	493162.56	25.57	PI EDGE OF ASPHALT

LOT 12A, PLAT 73-14

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

PE _____

STATE OF ALASKA 49TH
TRAVIS DENNISON
CE 11996
4/26/19
REGISTERED PROFESSIONAL ENGINEER

DRAFTED JT | DESIGNED CL, TD, BW | CHECKED LG | LAYOUT G8 | DATE 9/25/2018 14:14 | FILE Q:\Jnu\67408\Planset\67408_G1-G5_Intersection.dwg

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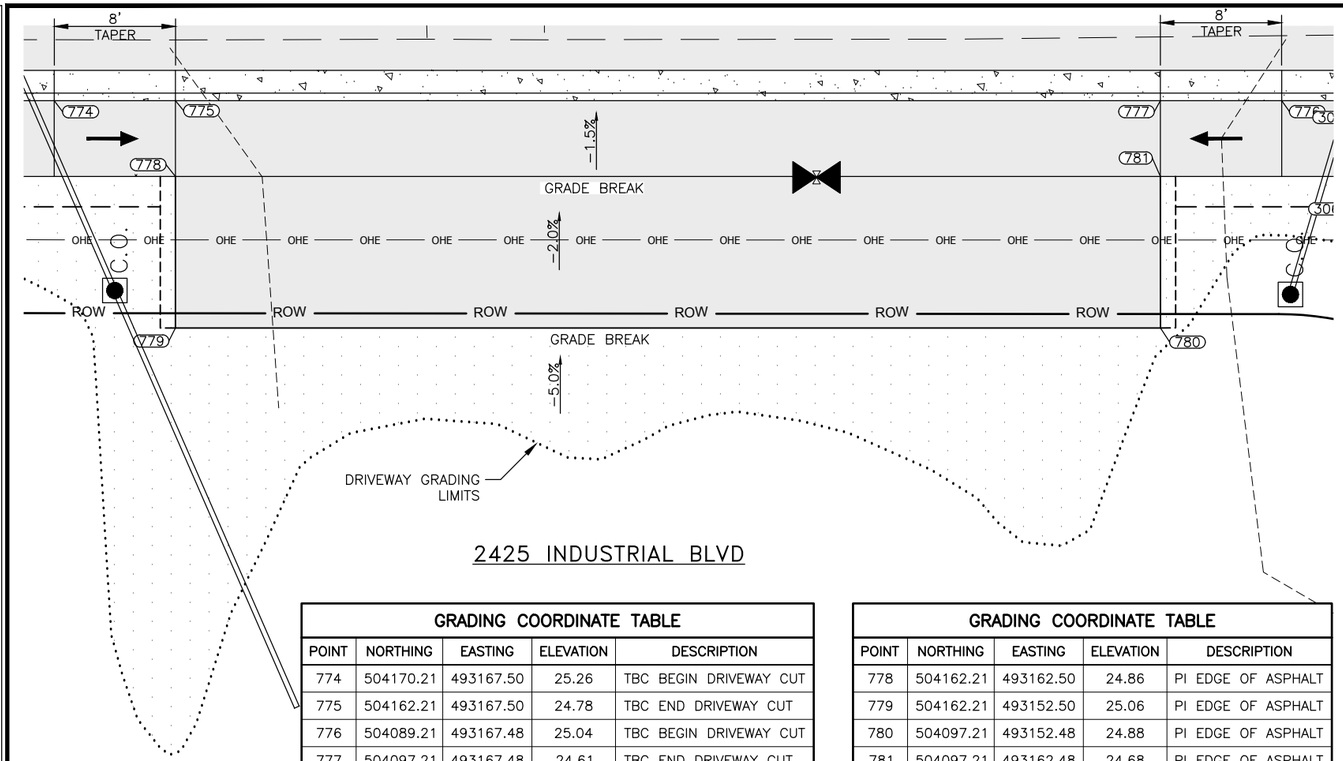
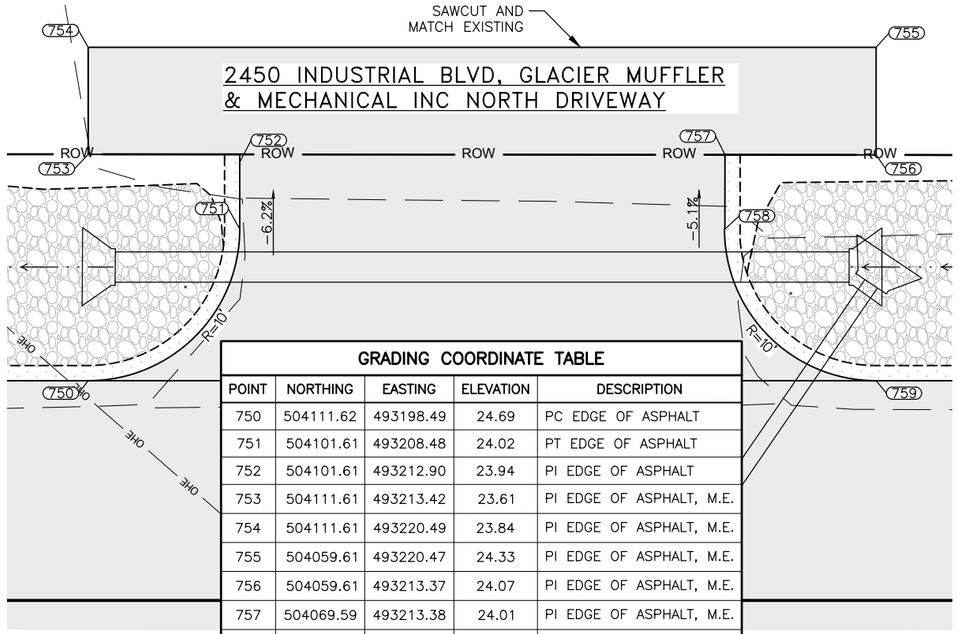


2425 INDUSTRIAL BLVD

GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
774	504170.21	493167.50	25.26	TBC BEGIN DRIVEWAY CUT
775	504162.21	493167.50	24.78	TBC END DRIVEWAY CUT
776	504089.21	493167.48	25.04	TBC BEGIN DRIVEWAY CUT
777	504097.21	493167.48	24.61	TBC END DRIVEWAY CUT

GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
778	504162.21	493162.50	24.86	PI EDGE OF ASPHALT
779	504162.21	493152.50	25.06	PI EDGE OF ASPHALT
780	504097.21	493152.48	24.88	PI EDGE OF ASPHALT
781	504097.21	493162.48	24.68	PI EDGE OF ASPHALT

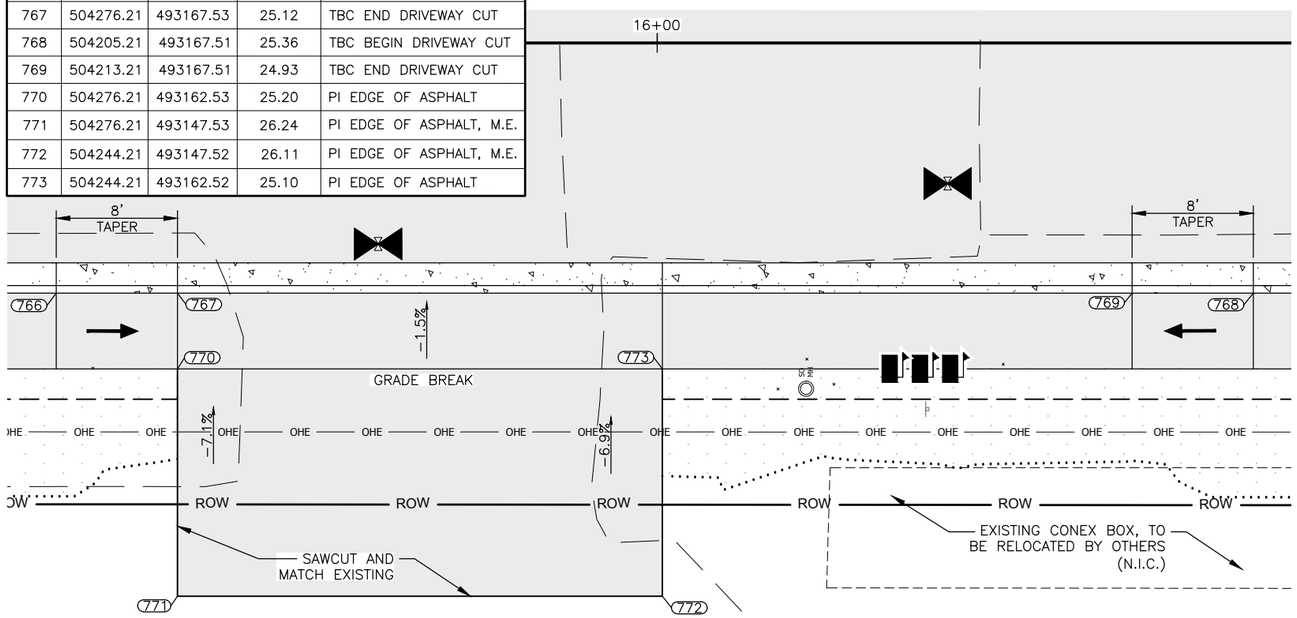


2450 INDUSTRIAL BLVD, GLACIER MUFFLER & MECHANICAL INC NORTH DRIVEWAY

GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
750	504111.62	493198.49	24.69	PC EDGE OF ASPHALT
751	504101.61	493208.48	24.02	PT EDGE OF ASPHALT
752	504101.61	493212.90	23.94	PI EDGE OF ASPHALT
753	504111.61	493213.42	23.61	PI EDGE OF ASPHALT, M.E.
754	504111.61	493220.49	23.84	PI EDGE OF ASPHALT, M.E.
755	504059.61	493220.47	24.33	PI EDGE OF ASPHALT, M.E.
756	504059.61	493213.37	24.07	PI EDGE OF ASPHALT, M.E.
757	504069.59	493213.38	24.01	PI EDGE OF ASPHALT, M.E.
758	504069.59	493208.48	24.25	PC EDGE OF ASPHALT
759	504059.62	493198.47	24.53	PT EDGE OF ASPHALT

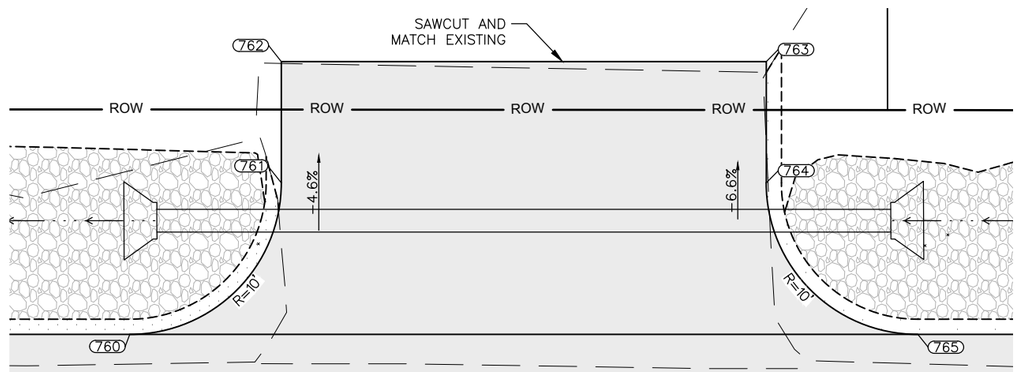
GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
766	504284.21	493167.53	25.60	TBC BEGIN DRIVEWAY CUT
767	504276.21	493167.53	25.12	TBC END DRIVEWAY CUT
768	504205.21	493167.51	25.36	TBC BEGIN DRIVEWAY CUT
769	504213.21	493167.51	24.93	TBC END DRIVEWAY CUT
770	504276.21	493162.53	25.20	PI EDGE OF ASPHALT
771	504276.21	493147.53	26.24	PI EDGE OF ASPHALT, M.E.
772	504244.21	493147.52	26.11	PI EDGE OF ASPHALT, M.E.
773	504244.21	493162.52	25.10	PI EDGE OF ASPHALT

0 10' 20'
SCALE IN FEET



2435 INDUSTRIAL BLVD, RAIN COUNTRY INC.

2450 INDUSTRIAL BLVD, GLACIER MUFFLER & MECHANICAL INC SOUTH DRIVEWAY



GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
760	503979.62	493198.45	24.53	PC EDGE OF ASPHALT
761	503969.61	493208.45	23.91	PT EDGE OF ASPHALT
762	503969.61	493216.45	23.91	PI EDGE OF ASPHALT, M.E.
763	503937.61	493216.44	23.80	PI EDGE OF ASPHALT, M.E.
764	503937.61	493208.44	24.36	PC EDGE OF ASPHALT
765	503927.62	493198.44	24.69	PT EDGE OF ASPHALT

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

PE _____

STATE OF ALASKA
49TH
TRAVIS DENNISON
CE 11996
4/26/18
REGISTERED PROFESSIONAL ENGINEER

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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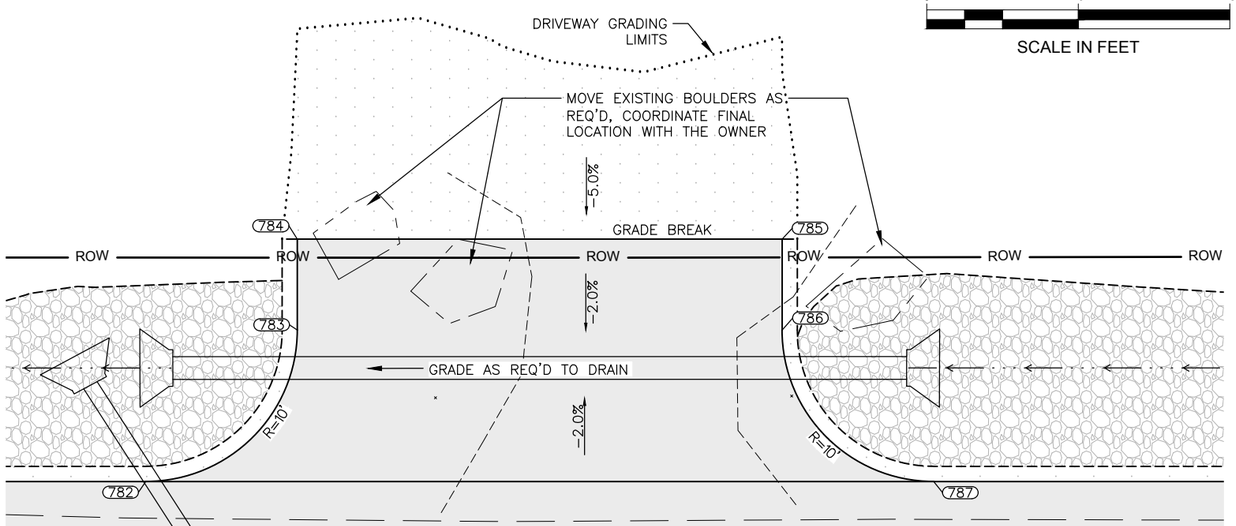
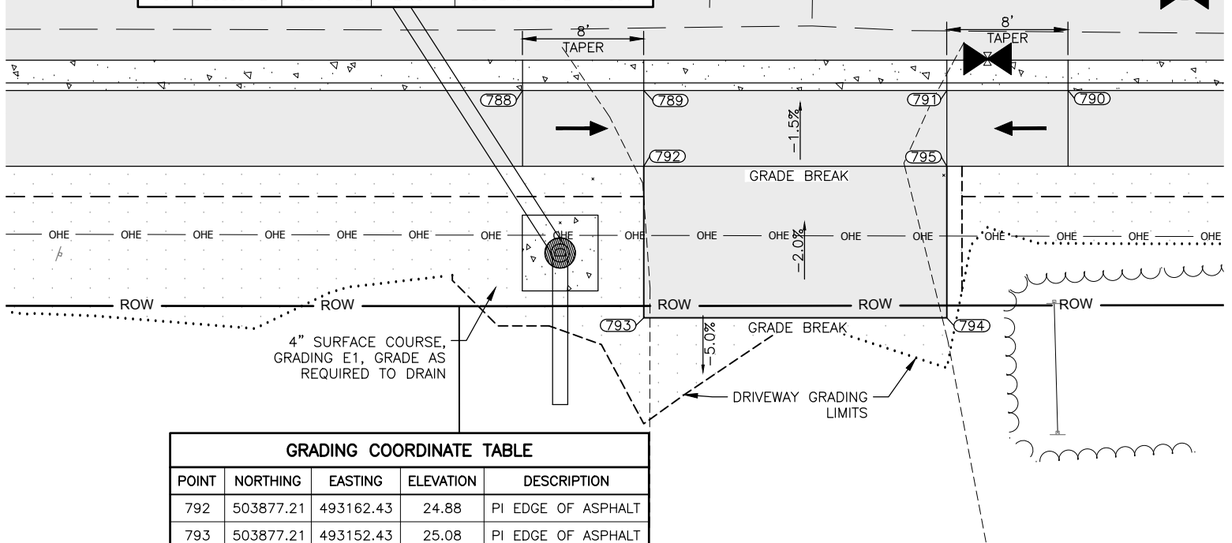
MENDENHALL VALLEY INDUSTRIAL PARK 3, LOT 5



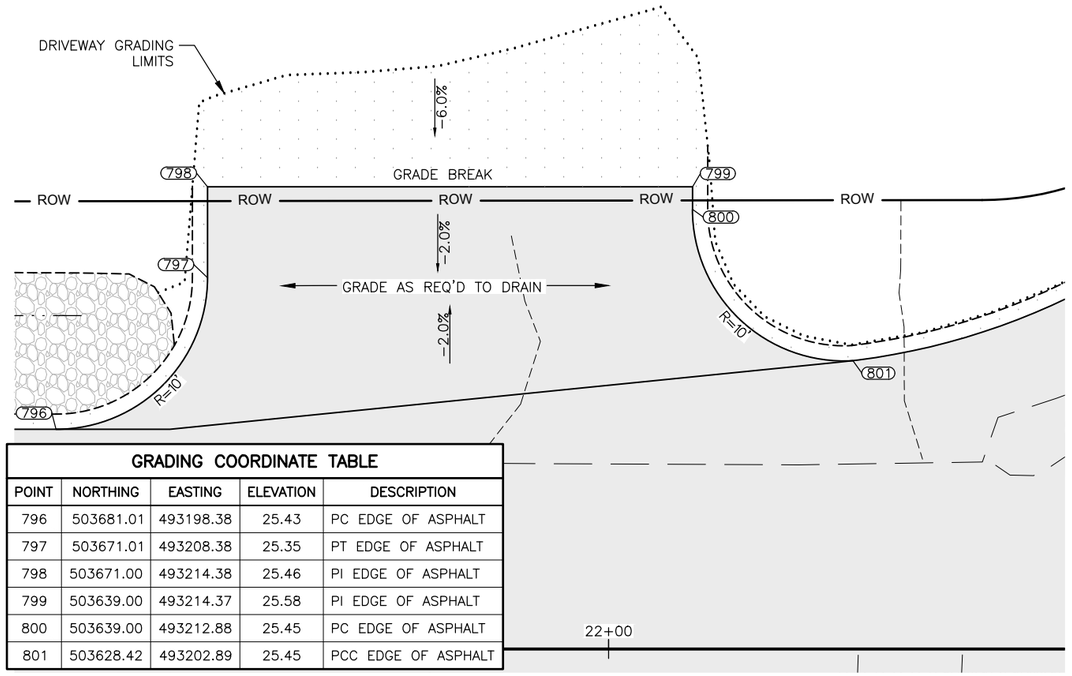
GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
782	503910.07	493198.44	24.74	PC EDGE OF ASPHALT
783	503900.06	493208.43	24.67	PT EDGE OF ASPHALT
784	503900.06	493214.43	24.79	PI EDGE OF ASPHALT
785	503868.06	493214.43	24.97	PI EDGE OF ASPHALT
786	503868.06	493208.43	24.67	PC EDGE OF ASPHALT
787	503858.07	493198.42	24.90	PT EDGE OF ASPHALT
788	503885.21	493167.43	25.21	TBC BEGIN DRIVEWAY CUT
789	503877.21	493167.43	24.78	TBC END DRIVEWAY CUT
790	503849.21	493167.42	25.32	TBC BEGIN DRIVEWAY CUT
791	503857.21	493167.42	24.84	TBC END DRIVEWAY CUT



GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
792	503877.21	493162.43	24.88	PI EDGE OF ASPHALT
793	503877.21	493152.43	25.08	PI EDGE OF ASPHALT
794	503857.21	493152.42	25.11	PI EDGE OF ASPHALT
795	503857.21	493162.42	24.91	PI EDGE OF ASPHALT

MASON INDUSTRIAL PARK 2, LOT 10A

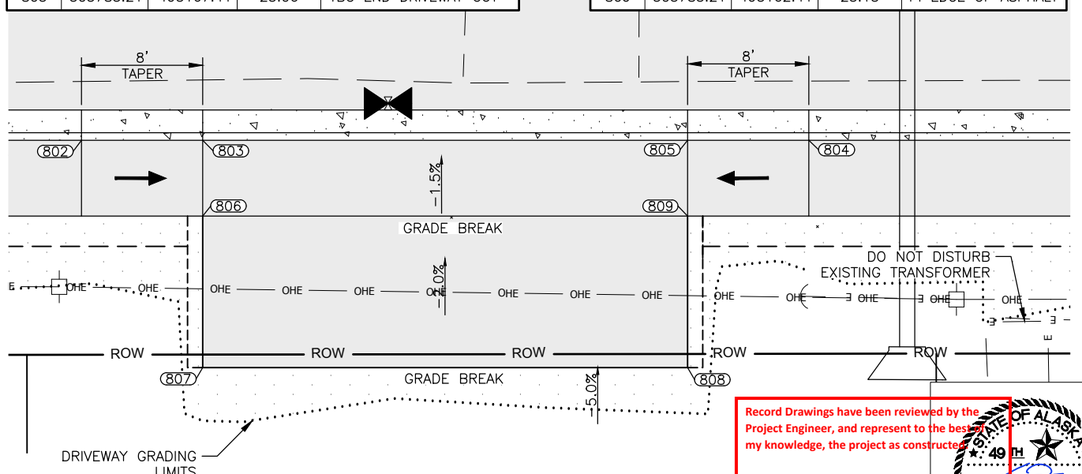
2440 INDUSTRIAL BLVD, KOLEA LLC



GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
796	503681.01	493198.38	25.43	PC EDGE OF ASPHALT
797	503671.01	493208.38	25.35	PT EDGE OF ASPHALT
798	503671.00	493214.38	25.46	PI EDGE OF ASPHALT
799	503639.00	493214.37	25.58	PI EDGE OF ASPHALT
800	503639.00	493212.88	25.45	PC EDGE OF ASPHALT
801	503628.42	493202.89	25.45	PCC EDGE OF ASPHALT

GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
802	503825.21	493167.42	25.39	TBC BEGIN DRIVEWAY CUT
803	503817.21	493167.41	24.96	TBC END DRIVEWAY CUT
804	503777.21	493167.40	25.53	TBC BEGIN DRIVEWAY CUT
805	503785.21	493167.41	25.06	TBC END DRIVEWAY CUT

GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
806	503817.21	493162.41	25.03	PI EDGE OF ASPHALT
807	503817.21	493152.41	25.23	PI EDGE OF ASPHALT
808	503785.21	493152.41	25.33	PI EDGE OF ASPHALT
809	503785.21	493162.41	25.13	PI EDGE OF ASPHALT



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

PE _____

STATE OF ALASKA
49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

MASON INDUSTRIAL PARK 2, LOT 9A

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DESIGNED | CL, TD, BW
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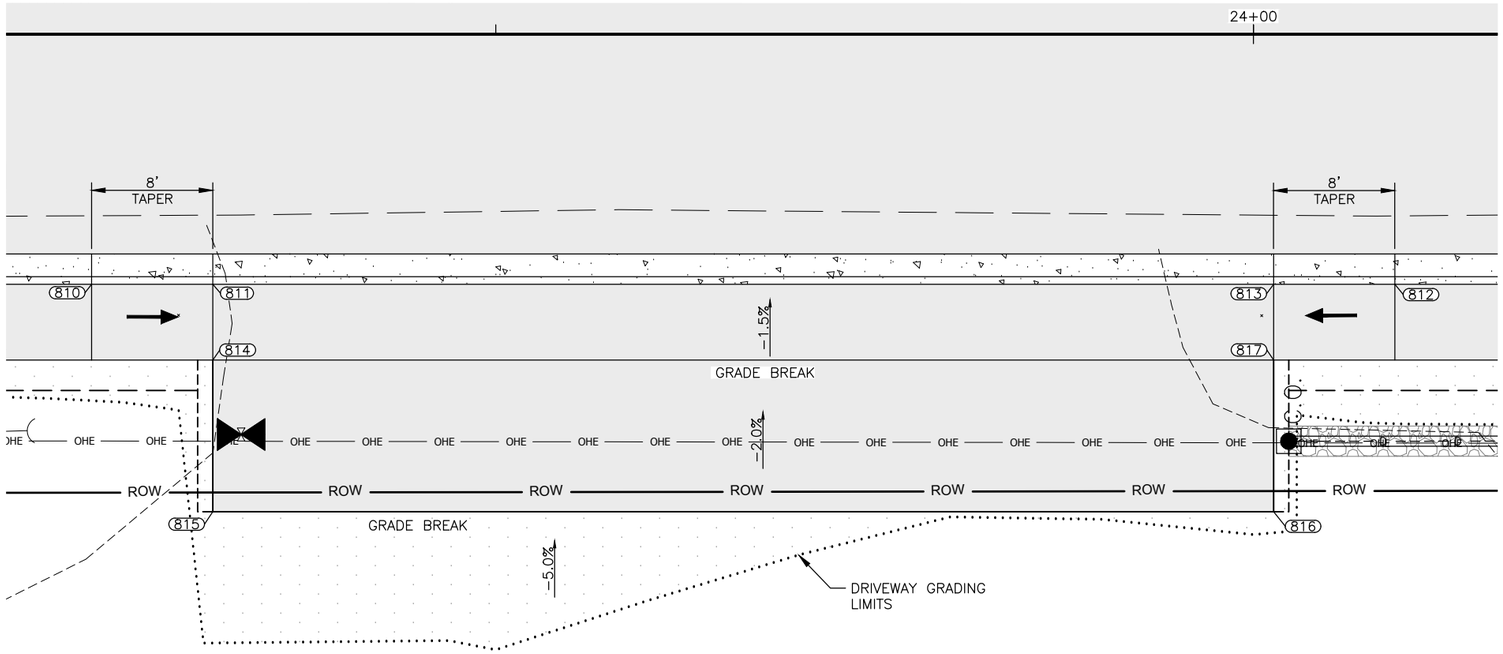


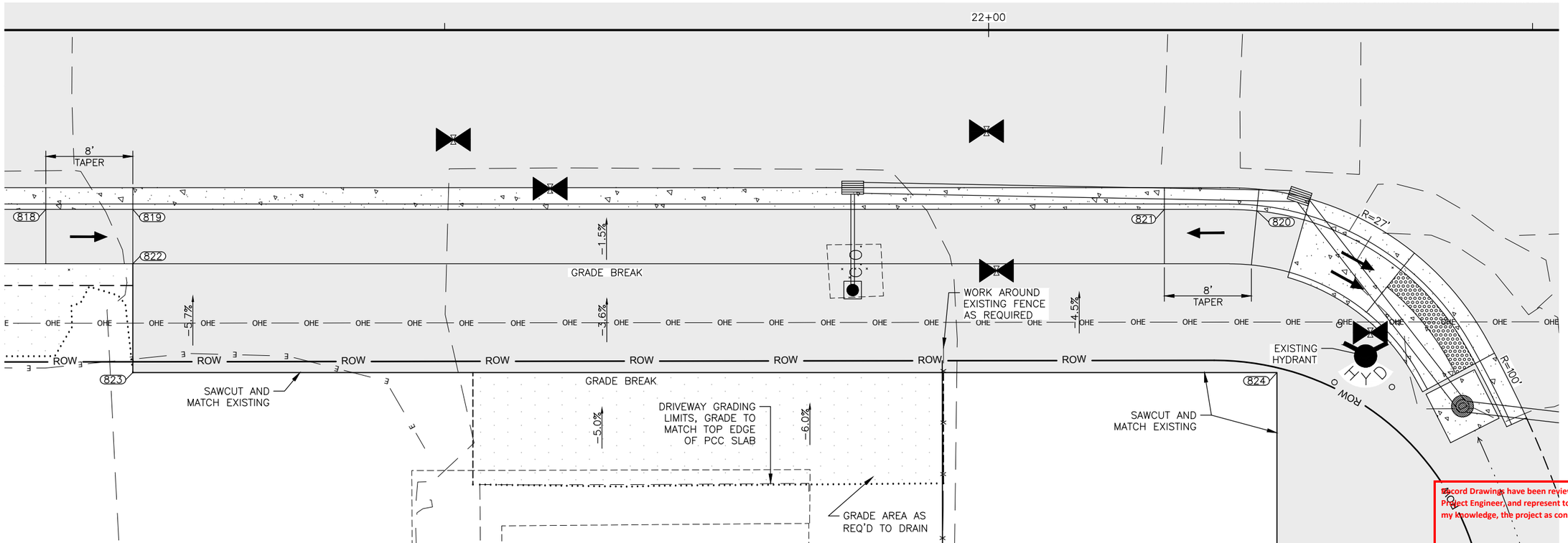
2291, 2293, 2295 INDUSTRIAL BLVD

GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
810	503521.22	493167.34	26.33	TBC BEGIN DRIVEWAY CUT
811	503513.22	493167.34	25.89	TBC END DRIVEWAY CUT
812	503435.22	493167.32	26.56	TBC BEGIN DRIVEWAY CUT
813	503443.22	493167.32	26.08	TBC END DRIVEWAY CUT
814	503513.22	493162.34	25.97	PI EDGE OF ASPHALT
815	503513.23	493152.34	26.17	PI EDGE OF ASPHALT
816	503443.23	493152.32	26.36	PI EDGE OF ASPHALT
817	503443.22	493162.32	26.16	PI EDGE OF ASPHALT
818	503731.21	493167.39	25.67	TBC BEGIN DRIVEWAY CUT
819	503723.21	493167.39	25.24	TBC END DRIVEWAY CUT
820	503619.89	493167.24	25.98	TBC BEGIN DRIVEWAY CUT
821	503628.39	493167.37	25.55	TBC END DRIVEWAY CUT
822	503723.21	493162.39	25.32	PI EDGE OF ASPHALT
823	503723.21	493152.39	25.91	PI EDGE OF ASPHALT, M.E.
824	503618.05	493152.37	26.07	PI EDGE OF ASPHALT, M.E.

0 10' 20'

SCALE IN FEET



2315 INDUSTRIAL BLVD, HOOKED SEAFOODS INC.

10000 CRAZY HORSE DR

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

PE _____

STATE OF ALASKA
49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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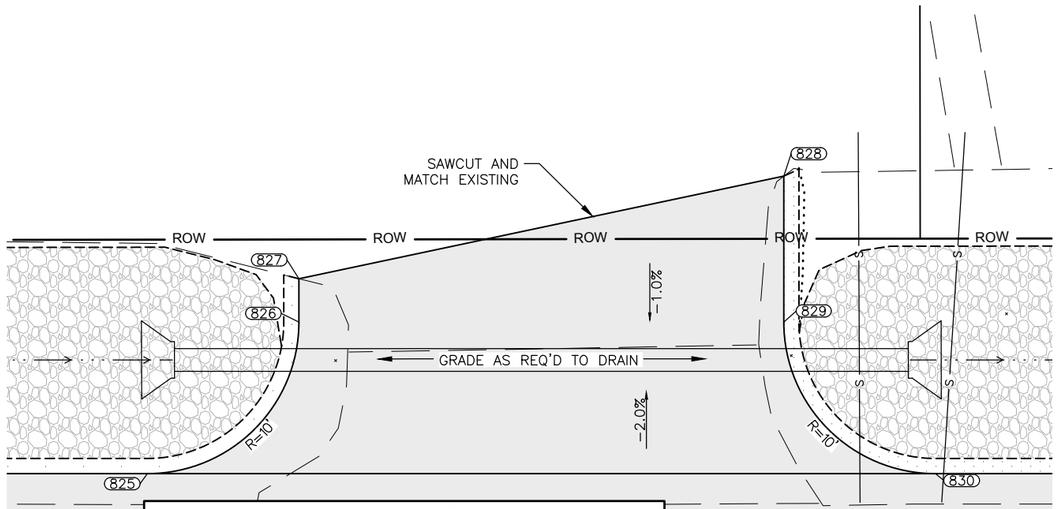
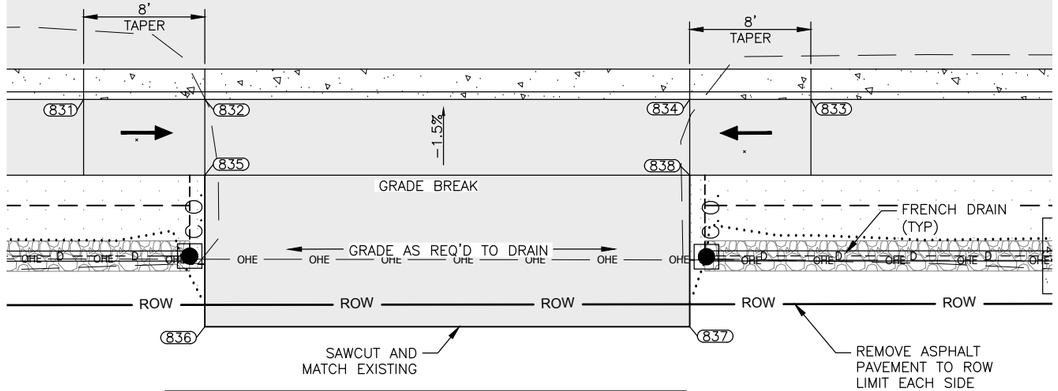
0 10' 20'

SCALE IN FEET

9979 CRAZY HORSE DR, P&J PROPERTIES



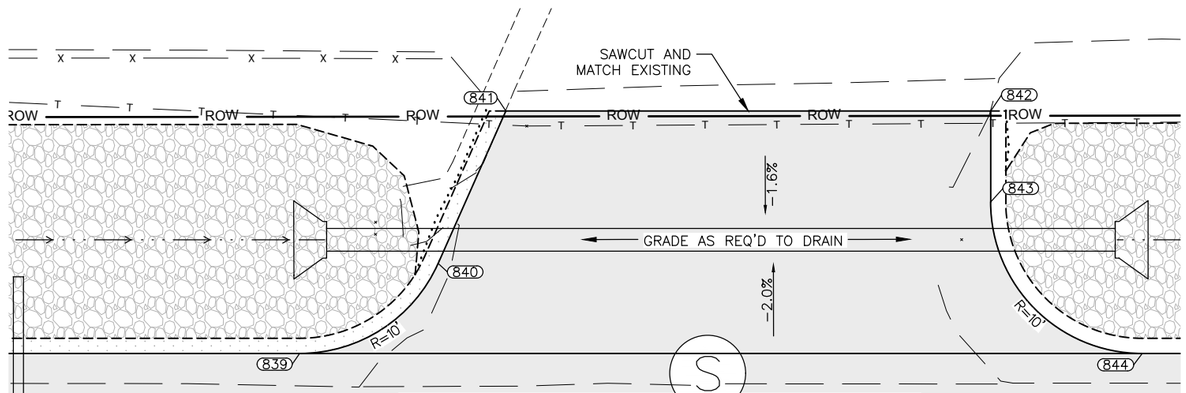
GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
825	503385.79	493198.31	26.24	PC EDGE OF ASPHALT
826	503375.79	493208.31	26.00	PT EDGE OF ASPHALT
827	503375.79	493211.16	26.00	PI EDGE OF ASPHALT, M.E.
828	503343.79	493217.93	26.21	PI EDGE OF ASPHALT, M.E.
829	503343.79	493208.30	26.21	PC EDGE OF ASPHALT
830	503333.79	493198.30	26.16	PT EDGE OF ASPHALT
831	503390.01	493167.31	26.63	TBC BEGIN DRIVEWAY CUT
832	503382.01	493167.31	26.18	TBC END DRIVEWAY CUT
833	503342.01	493167.30	26.57	TBC BEGIN DRIVEWAY CUT
834	503350.01	493167.30	26.14	TBC END DRIVEWAY CUT



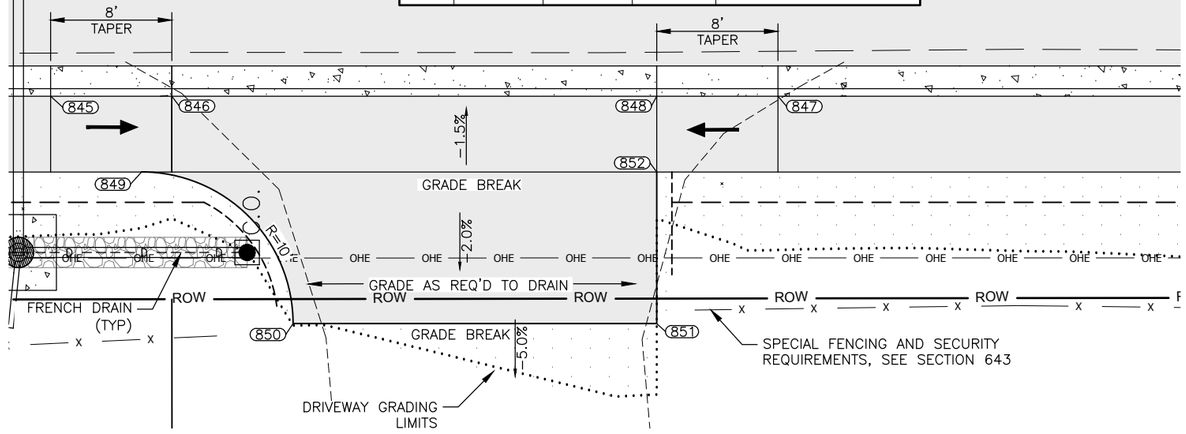
GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
835	503382.01	493162.31	26.25	PI EDGE OF ASPHALT
836	503382.02	493152.31	26.24	PI EDGE OF ASPHALT, M.E.
837	503350.02	493152.30	26.20	PI EDGE OF ASPHALT, M.E.
838	503350.01	493162.30	26.21	PI EDGE OF ASPHALT

2281 INDUSTRIAL BLVD, WILLIE'S MARINE INC

2274 INDUSTRIAL BLVD, RIVERVIEW YACHT CONDO ASSOCIATION



GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
839	503245.42	493198.28	25.89	PC EDGE OF ASPHALT
840	503236.28	493204.21	25.74	PT EDGE OF ASPHALT
841	503231.81	493214.27	25.89	PI EDGE OF ASPHALT, M.E.
842	503199.81	493214.26	25.81	PI EDGE OF ASPHALT, M.E.
843	503199.81	493208.26	25.81	PC EDGE OF ASPHALT
844	503189.81	493198.26	25.72	PT EDGE OF ASPHALT
845	503261.86	493167.28	26.33	TBC BEGIN DRIVEWAY CUT
846	503253.86	493167.28	25.86	TBC END DRIVEWAY CUT
847	503213.86	493167.27	26.19	TBC BEGIN DRIVEWAY CUT
848	503221.86	493167.27	25.76	TBC END DRIVEWAY CUT



GRADING COORDINATE TABLE				
POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
849	503255.86	493162.28	26.05	PC EDGE OF ASPHALT
850	503245.86	493152.28	25.71	PI EDGE OF ASPHALT
851	503221.86	493152.27	25.63	PI EDGE OF ASPHALT
852	503221.86	493162.27	25.83	PI EDGE OF ASPHALT

2281 INDUSTRIAL BLVD, WILLIE'S MARINE INC

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

PE _____

STATE OF ALASKA 49TH TRAVIS DENNISON CE 11996 9/26/18 REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	G13	13

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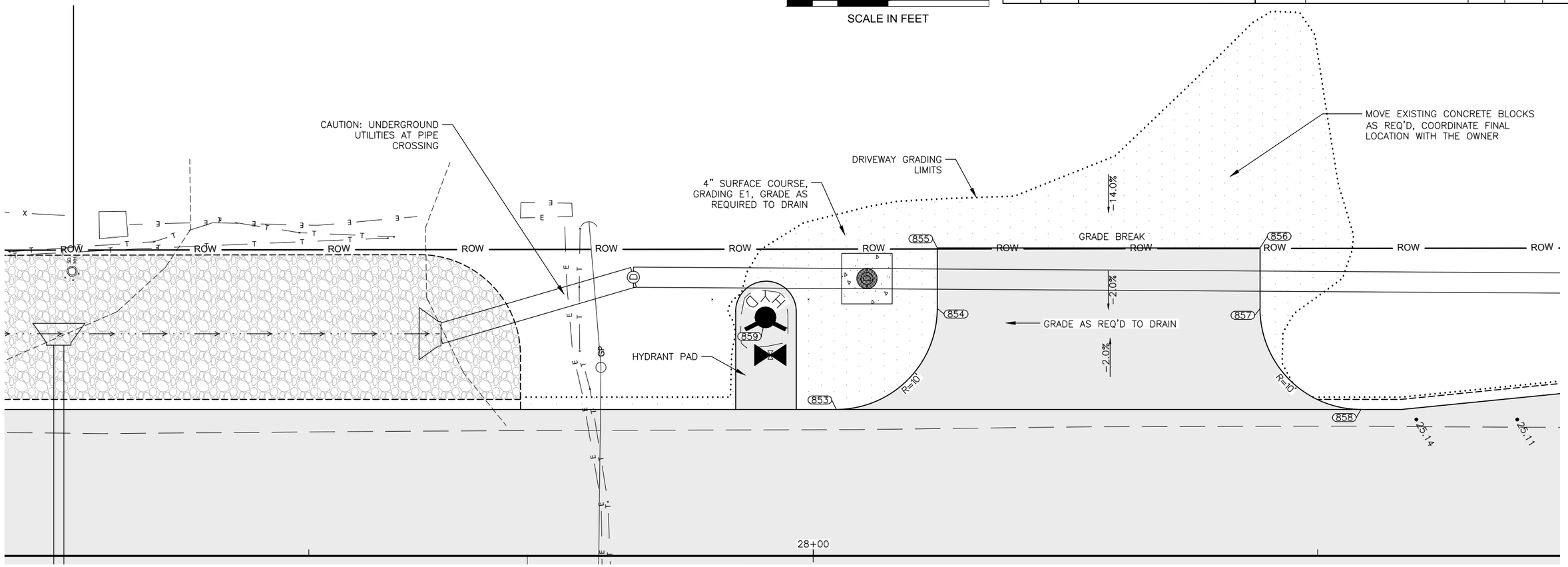
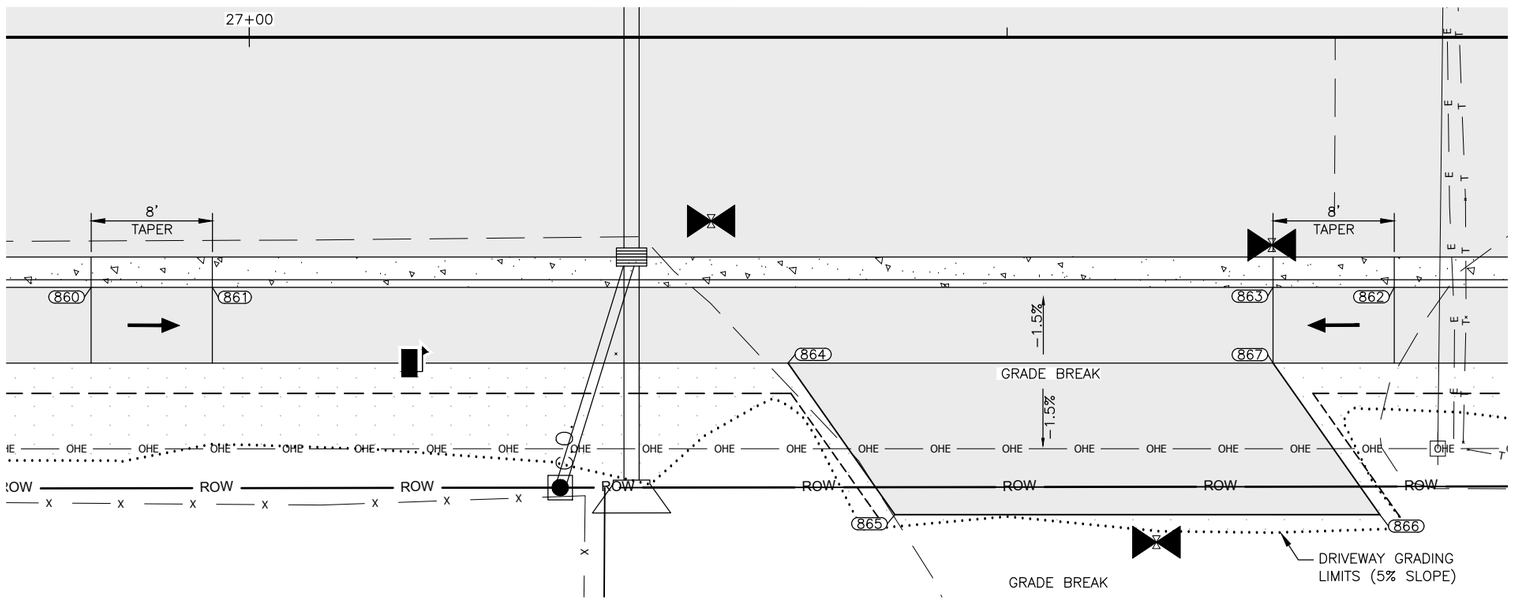
2272 INDUSTRIAL BLVD

0 10' 20'

SCALE IN FEET





2195, 2201, 2211 INDUSTRIAL BLVD

GRADING COORDINATE TABLE

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
853	503042.25	493198.23	25.28	PC EDGE OF ASPHALT
854	503032.25	493208.22	25.15	PT EDGE OF ASPHALT
855	503032.25	493214.22	25.27	PI EDGE OF ASPHALT
856	503000.25	493214.22	25.17	PI EDGE OF ASPHALT
857	503000.25	493208.22	25.06	PC EDGE OF ASPHALT
858	502990.25	493198.21	25.13	PT EDGE OF ASPHALT
859	503049.28	493207.35	25.45	FG HYDRANT CENTER
860	503155.00	493167.25	26.01	TBC BEGIN DRIVEWAY CUT
861	503147.00	493167.25	25.53	TBC END DRIVEWAY CUT
862	503069.00	493167.23	25.75	TBC BEGIN DRIVEWAY CUT
863	503077.00	493167.24	25.32	TBC END DRIVEWAY CUT
864	503109.00	493162.24	25.50	PI EDGE OF ASPHALT
865	503101.96	493152.24	25.32	PI EDGE OF ASPHALT
866	503069.96	493152.23	25.20	PI EDGE OF ASPHALT
867	503077.00	493162.24	25.40	PI EDGE OF ASPHALT

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

PE _____

STATE OF ALASKA
49TH
TRAVIS DENNISON
CE 11996
9/26/18
REGISTERED PROFESSIONAL ENGINEER

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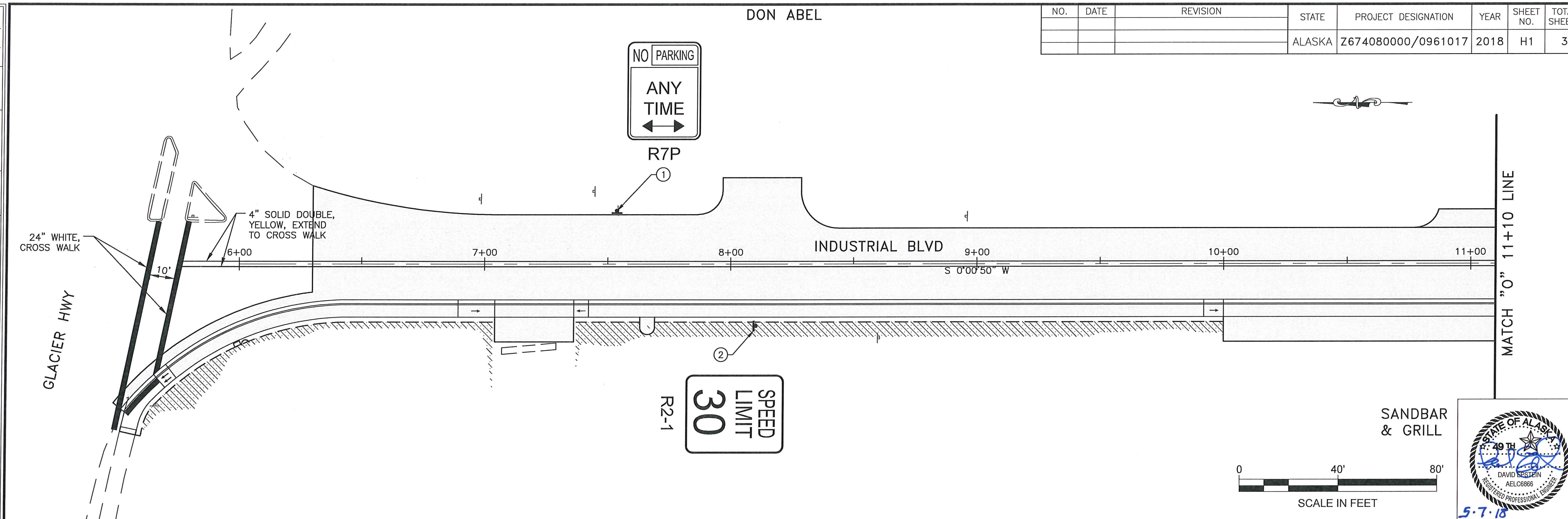
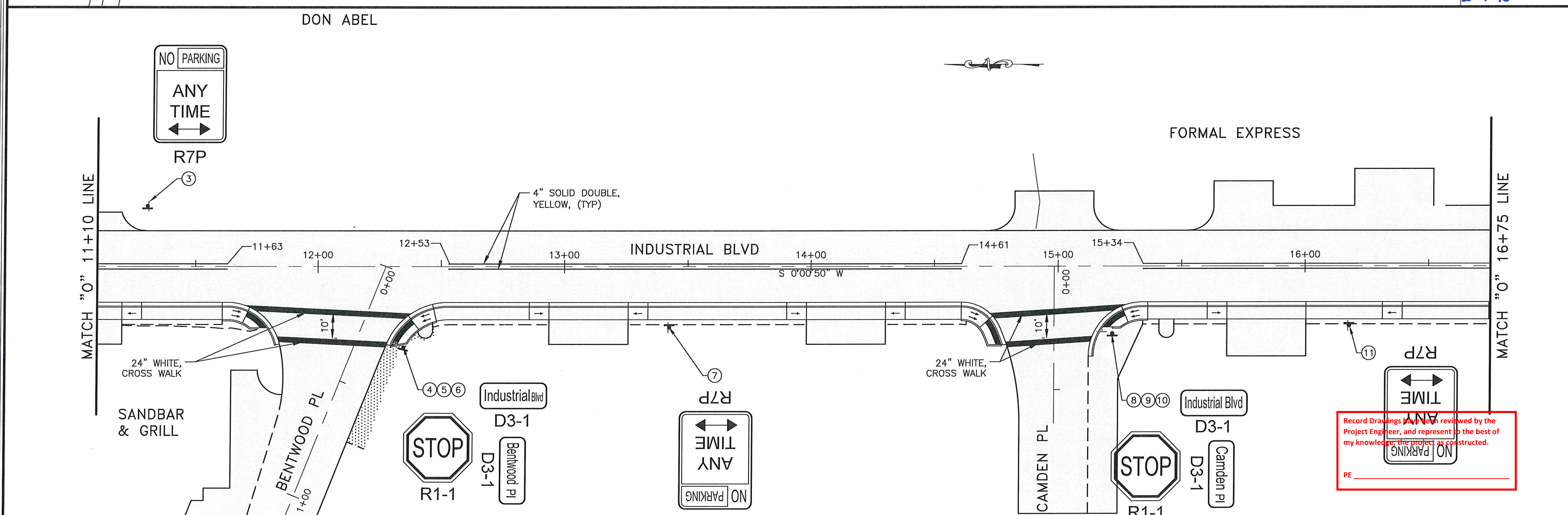


DON ABEL
NO PARKING
ANY TIME
R7P
4" SOLID DOUBLE, YELLOW, EXTEND TO CROSS WALK
24" WHITE, CROSS WALK
10'
6+00
7+00
8+00
INDUSTRIAL BLVD
9+00
10+00
11+00
S 0°00'50" W
GLACIER HWY
SPEED LIMIT 30
R2-1
MATCH "O" 11+10 LINE
SANDBAR & GRILL
0
40'
80'
SCALE IN FEET
STATE OF ALASKA
49TH
DAVID EPSTEIN
AELC6866
REGISTERED PROFESSIONAL ENGINEER
5-7-18



DON ABEL
NO PARKING
ANY TIME
R7P
MATCH "O" 11+10 LINE
4" SOLID DOUBLE, YELLOW, (TYP)
11+63
12+00
12+53
13+00
INDUSTRIAL BLVD
14+00
S 0°00'50" W
14+61
15+00
15+34
16+00
0+00
10'
24" WHITE, CROSS WALK
SANDBAR & GRILL
BENTWOOD PL
1+00
STOP
R1-1
Industrial Blvd
D3-1
Bentwood Pl
D3-1
R7P
NO PARKING
ANY TIME
FORMAL EXPRESS
CAMDEN PL
STOP
R1-1
Industrial Blvd
D3-1
Camden Pl
D3-1
MATCH "O" 16+75 LINE
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.
PE

FILE Q:\Jnu\67408\Planset\67408_H1-H3_Stripe & Sign.dwg | DATE 2/28/2018 9:09 | LAYOUT H1 | DESIGNED | CHECKED | DRAFTED

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	H2	3

GLACIER MUFFLER

K & K
AUTO REPAIR

MATCH "O" 16+75 LINE

17+00 17+63 18+00 18+47 19+00 20+00 21+00 22+00 22+22

INDUSTRIAL BLVD

S 0°00'50" W

0+00

10'

24" WHITE, CROSS WALK

DELTA ALASKA
WHOLESALE

DAWSON PL

STOP
R1-1

Industrial Blvd
D3-1

Dawson Pl
D3-1

R7P
ANY TIME
NO PARKING

SPEED LIMIT 30
R2-1

Crazy Horse Dr
D3-1

STOP
R1-1

Industrial Blvd
D3-1

4" SOLID DOUBLE, YELLOW, (TYP)

MATCH "O" 22+45 LINE

HOOKED SEAFOOD

0 40' 80'
SCALE IN FEET

STATE OF ALASKA
49TH
DAVID EPSTEIN
AELC6866
REGISTERED PROFESSIONAL ENGINEER
5.7.18

NEW LIFE MOTORS

24" WHITE, STOP BAR

CRAZY HORSE DR

1+00

2+00

22+72

24" WHITE, CROSS WALK

4" SOLID DOUBLE, YELLOW, (TYP)

MATCH "O" 22+45 LINE

23+00 23+13 24+00 25+00 26+00 27+00 28+00

INDUSTRIAL BLVD

S 0°00'50" W

10'

R7P
NO PARKING
ANY TIME

R7P
ANY TIME
NO PARKING

Industrial Blvd
D3-1
42"x8"

STOP
R1-1

D3-1
42"x8"
CRAZY HORSE DR

JUNO
AUTO
REPAIR

WILLIE'S MARINE

MATCH "O" 28+15 LINE

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

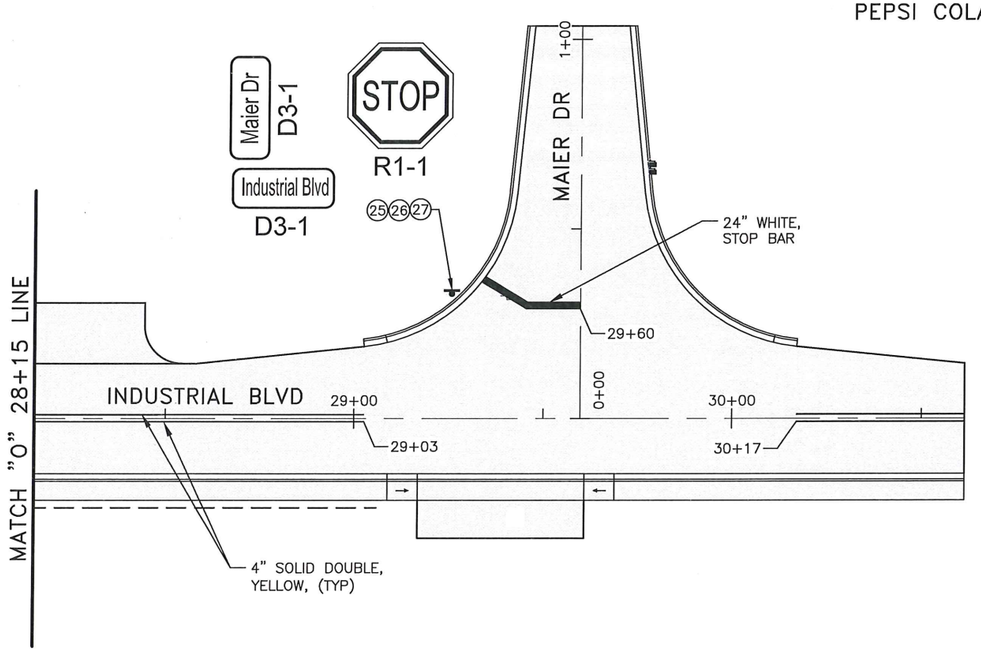
PE _____

FILE | Q:\nu\67408\Planset\67408_H1-H3_Stripe & Sign.dwg | DATE | 2/28/2018 9:09 | LAYOUT | H2 | DESIGNED | --, --, -- | CHECKED | --, --, -- | DRAFTED | --, --, --

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	H3	3

PEPSI COLA BOTTLING CO.



0 40' 80'

SCALE IN FEET

STATE OF ALASKA 49TH
DAVID EPSTEIN
AELC6866
REGISTERED PROFESSIONAL ENGINEER
5.7.18

615(1) STANDARD SIGN

NUMBER	STATION	OFFSET	DESCRIPTION	ASDS CODE	WIDTH (IN)	HEIGHT (IN)	AREA (SF)	POST	REMARKS
1	07+53	22' LT	NO PARKING ANY TIME	R7P-101RL	12	18	1.50	2.5 PST	
2	08+10	25' RT	SPEED LIMIT 30	R2-1	24	30	5.00	2.5 PST	
3	11+30	24' LT	NO PARKING ANY TIME	R7P-101RL	12	18	1.50	2.5 PST	
4	12+35	33' RT	Industrial Blvd	D3-1	42	8	2.33	2.5 PST	4" UC/ 3" LC C-font
5	12+35	33' RT	Bentwood Pl	D3-1	42	12	3.50		6" UC/ 4.5" LC B-font
6	12+35	33' RT	STOP	R1-1	30	30	6.25		
7	13+42	24' RT	NO PARKING ANY TIME	R7P-101RL	12	18	1.50	2.5 PST	
8	15+22	27' RT	Industrial Blvd	D3-1	42	8	2.33	2.5 PST	4" UC/ 3" LC C-font
9	15+22	27' RT	Camden Pl	D3-1	42	12	3.50		6" UC/ 4.5" LC B-font
10	15+22	27' RT	STOP	R1-1	30	30	6.25		
11	16+18	24' RT	NO PARKING ANY TIME	R7P-101RL	12	18	1.50	2.5 PST	
12	18+28	35' RT	Industrial Blvd	D3-1	42	8	2.33	2.5 PST	4" UC/ 3" LC C-font
13	18+28	35' RT	Dawson Pl	D3-1	42	12	3.50		6" UC/ 4.5" LC B-font
14	18+28	35' RT	STOP	R1-1	30	30	6.25		
15	19+30	27' RT	NO PARKING ANY TIME	R7P-101RL	12	18	1.50	2.5 PST	
16	20+80	23' LT	SPEED LIMIT 30	R2-1	24	30	5.00	2.5 PST	
17	22+37	30' LT	Industrial Blvd	D3-1	42	8	2.33	2.5 PST	4" UC/ 3" LC C-font
18	22+37	30' LT	Crazy Horse Dr	D3-1	42	8	2.33		4" UC/ 3" LC C-font
19	22+37	30' LT	STOP	R1-1	30	30	6.25		
20	22+97	29' RT	Industrial Blvd	D3-1	42	8	2.33	2.5 PST	4" UC/ 3" LC C-font
21	22+97	29' RT	Crazy Horse Dr	D3-1	42	8	2.33		4" UC/ 3" LC C-font
22	22+97	29' RT	STOP	R1-1	30	30	6.25		
23	25+63	27' RT	NO PARKING ANY TIME	R7P-101RL	12	18	1.50	2.5 PST	
24	25+55	27' LT	NO PARKING ANY TIME	R7P-101RL	12	18	1.50	2.5 PST	
25	29+26	33' LT	Industrial Blvd	D3-1	42	8	2.33	2.5 PST	4" UC/ 3" LC C-font
26	29+26	33' LT	Maier Dr	D3-1	42	12	3.50		6" UC/ 4.5" LC C-font
27	29+26	33' LT	STOP	R1-1	30	30	6.25		
28	22+99	52' L	NO PARKING ANY TIME	R7P-101RL	12	18	1.50	2.5 PST	

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

PE _____

DESIGNED | --, --, -- | CHECKED | --, --, -- | DRAFTED | --, --, --
DATE | 2/28/2018 9:09 | LAYOUT | H3
FILE | Q:\mu\67408\Planset\67408_H1-H3_Stripe & Sign.dwg

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	P1	3

DON ABEL

INDUSTRIAL BLVD

S 0°00'50" W ~ 2759.49'

5+41 6+00 7+00 8+00 9+00 10+00 11+00

GLACIER HWY

REED CANARYGRASS, TANSY RAGWORT

SANDBAR & GRILL

K & K AUTO REPAIR

0 40' 80'

SCALE IN FEET

ESCP LEGEND

- CULVERT FLOW DIRECTION
- SURFACE FLOW DIRECTION
- DITCH OR STREAM FLOW DIRECTION
- GRAVEL FILTER BERM
- INVASIVE SPECIES
- INLET PROTECTION
- SB SB SEDIMENT BARRIER

DON ABEL

INDUSTRIAL BLVD

S 0°00'50" W ~ 2759.49'

12+00 13+00 14+00 15+00 16+00

MATCH "O" 11+10 LINE

MATCH "O" 16+75 LINE

BENTWOOD PL

CAMDEN PL

FORMAL EXPRESS

REED CANARYGRASS

SANDBAR & GRILL

SEE P3 SHEET

0 40' 80'

SCALE IN FEET

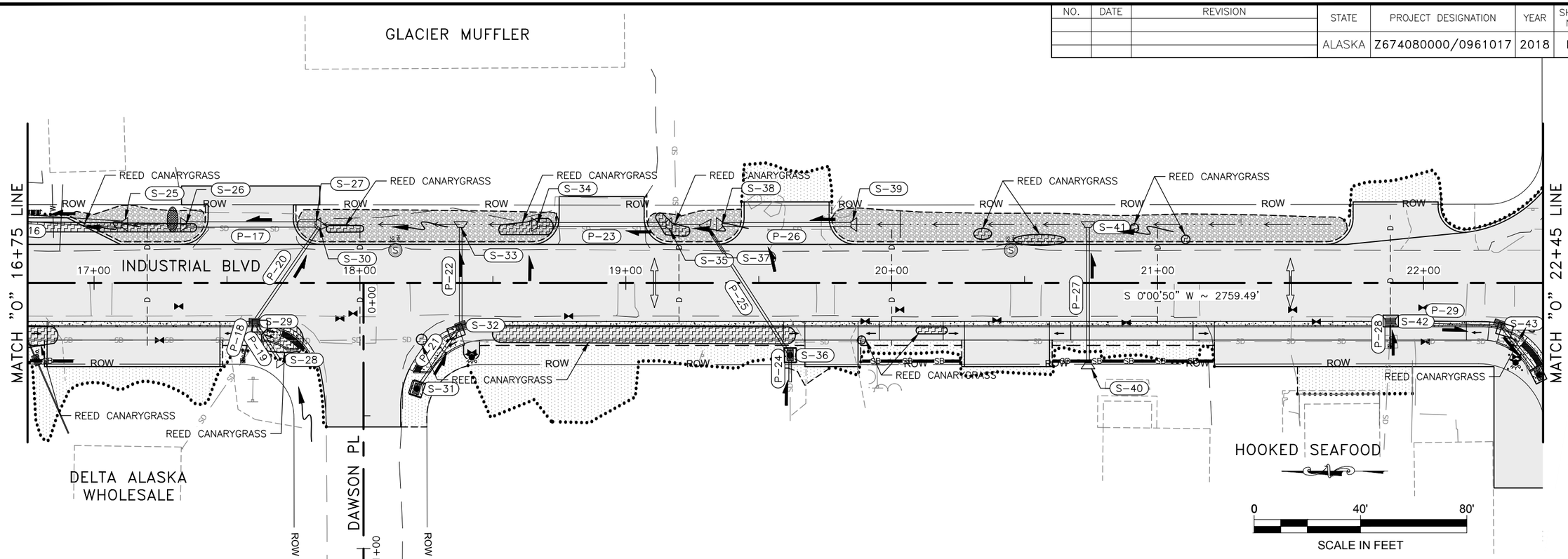
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE _____

FILE Q:\Inu\67408\Planset\67408_P1-P3_ESCP.dwg | DATE 3/1/2018 10:36 | LAYOUT P1 | DESIGNED | CHECKED | DRAFTED

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	P2	3



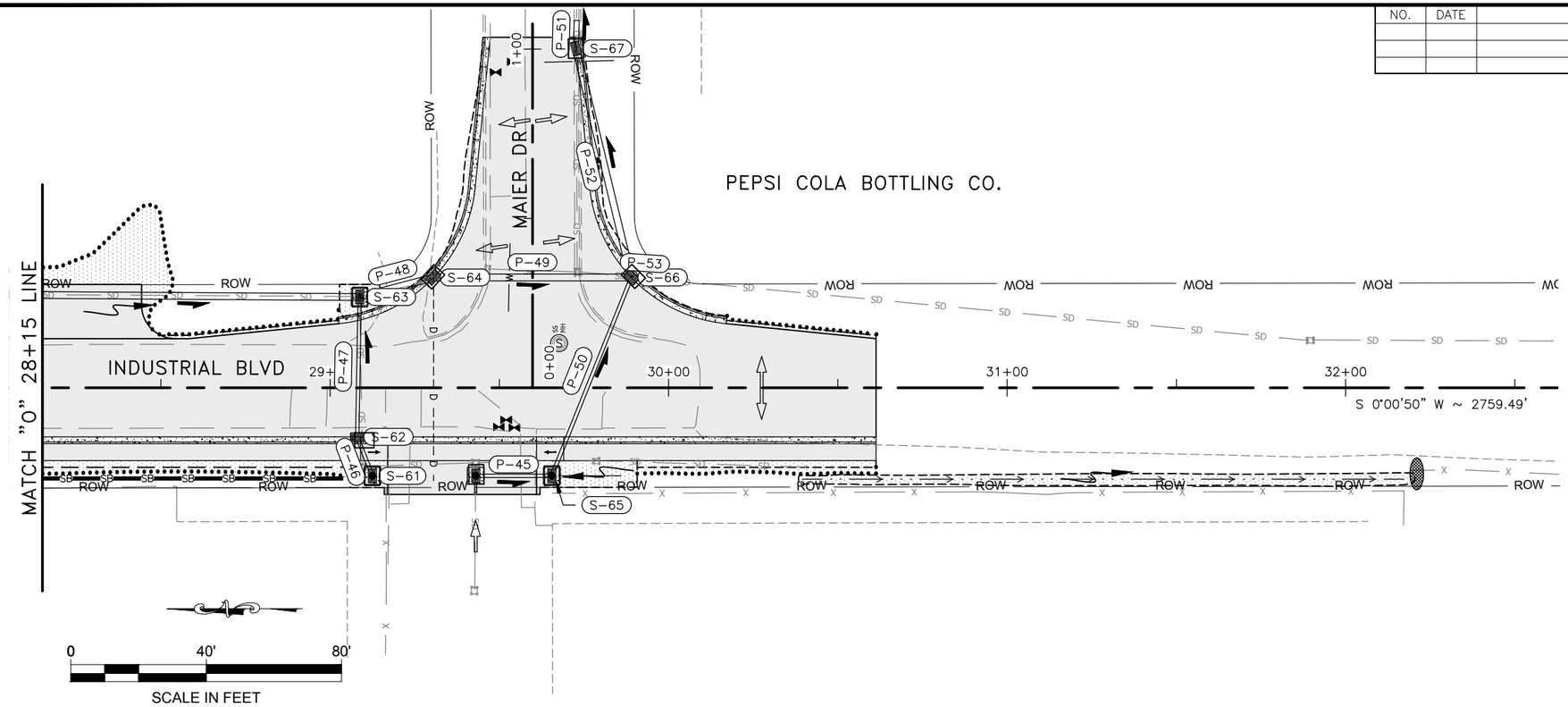
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE

FILE | Q:_jnu\67408\Planset\67408_P1-P3_ESCP.dwg | DATE | 3/1/2018 10:36 | LAYOUT | P2 | DESIGNED | --- | CHECKED | --- | DRAFTED | ---

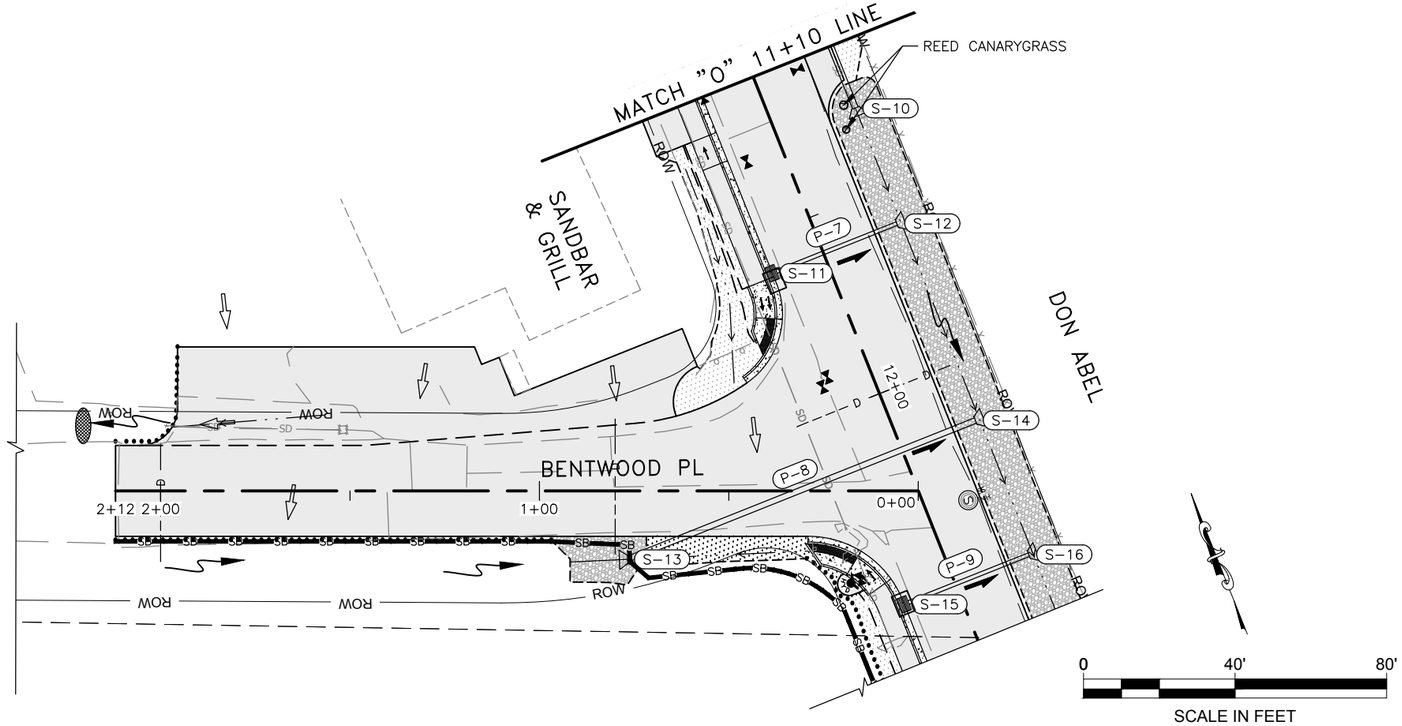
NO.	DATE	REVISION

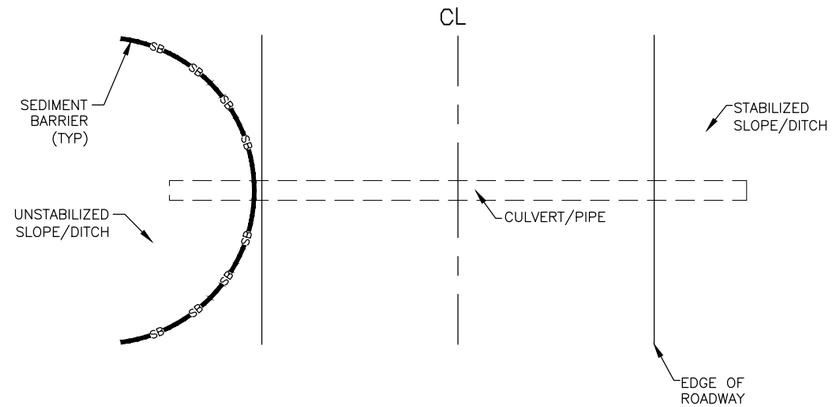
STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z674080000/0961017	2018	P3	3



INVASIVE PLANT SPECIES ROOTING DEPTH

REED CANARYGRASS	RHIZOMES OCCUR IN THE UPPER 8 INCHES OF SOIL, BUT ROOTS EXTEND DEEPER. EXCAVATION SHOULD BE USED ONLY IF SOIL CAN BE DISPOSED OF, AS SEED BANK WILL PERSIST IN SOIL.
TANSY RAGWORT	SOFT, FLESHY ROOTS PRIMARILY GROW HORIZONTALLY. ROOTS EXTEND TO A MAXIMUM DEPTH OF 12 INCHES.





SEDIMENT BARRIER PLACEMENT AFTER CULVERT INSTALLATION

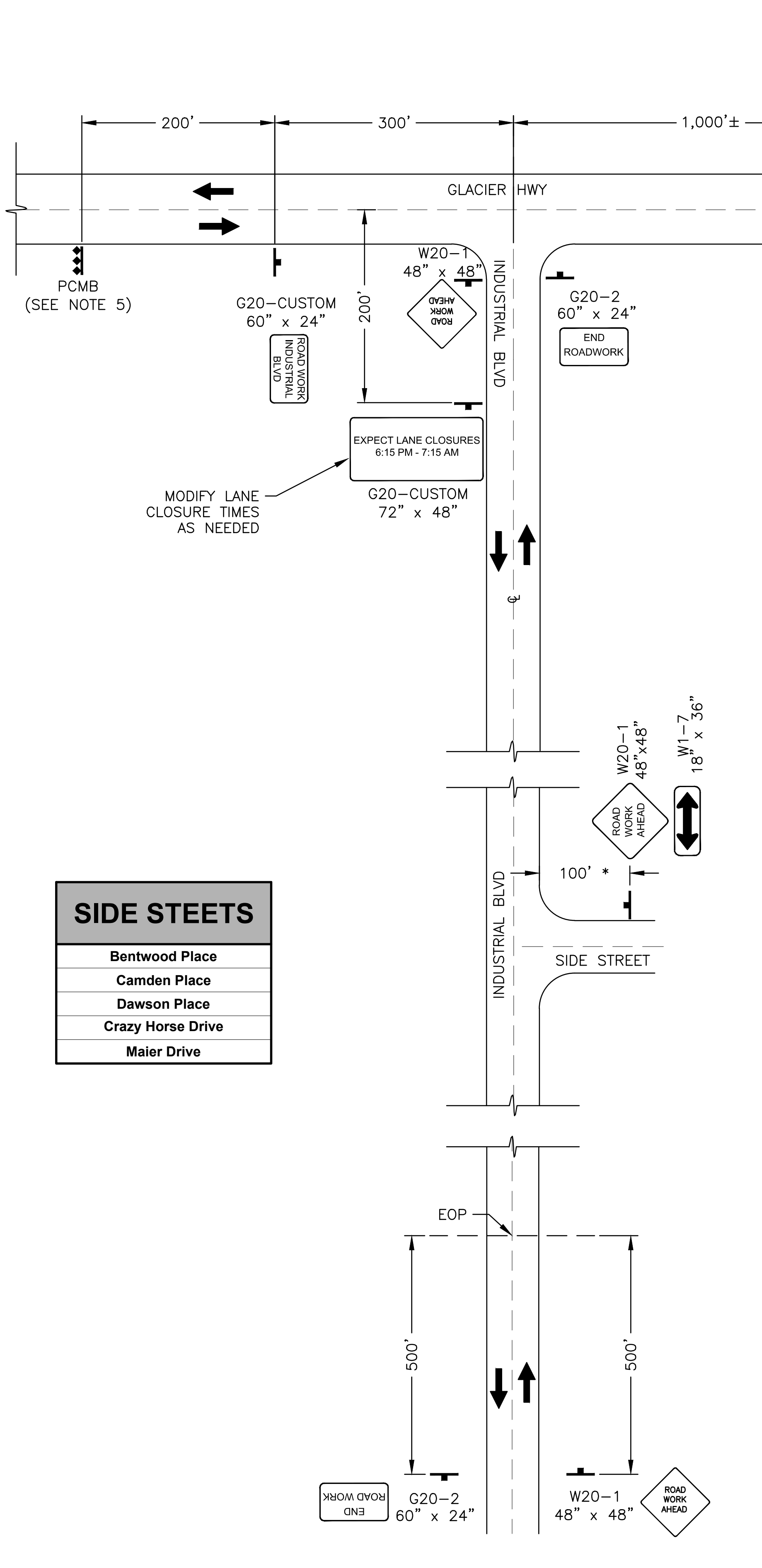
NTS

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

PE _____

FILE | Q:\jnu\67408\Planset\67408_P1-P3_ESCP.dwg | LAYOUT | P3 | DESIGNED | --, --, -- | CHECKED | --, --, -- | DRAFTED | --, --, -- | DATE | 3/1/2018 10:36

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z674080000/0961017	2018	T1	1



PERMANENT CONSTRUCTION SIGNING

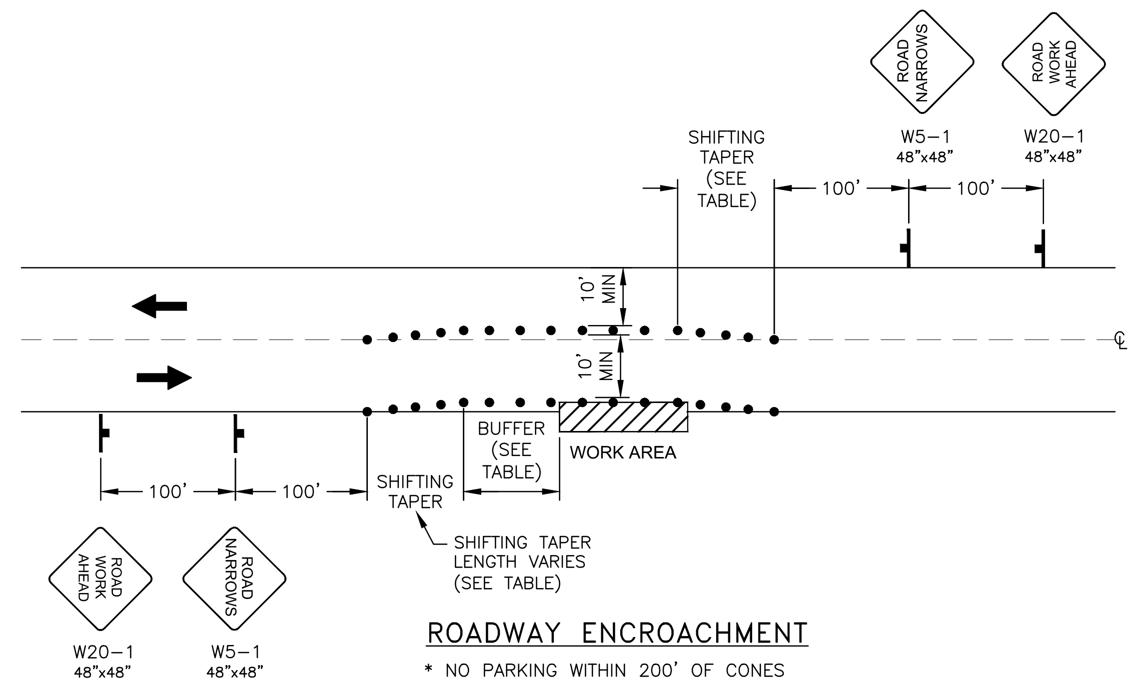
SIDE STEETS
Bentwood Place
Camden Place
Dawson Place
Crazy Horse Drive
Maier Drive

TCP SETUP TABLE

FORMULA FOR DETERMINING SHIFTING TAPER LENGTH (40 MPH OR LESS)	MAX DEVICE SPACING (FT)			MIN BUFFER SPACE (FT)
	SPEED	ALONG SHIFTING TAPER	ALONG TANGENT	
L=WS²/120 WHERE: L = TAPER LENGTH IN FEET W = WIDTH OF OFFSET IN FEET S = POSTED SPEED LIMIT (MPH)	25 MPH OR BELOW	25'	50'	155'
	30 MPH	30'	60'	200'

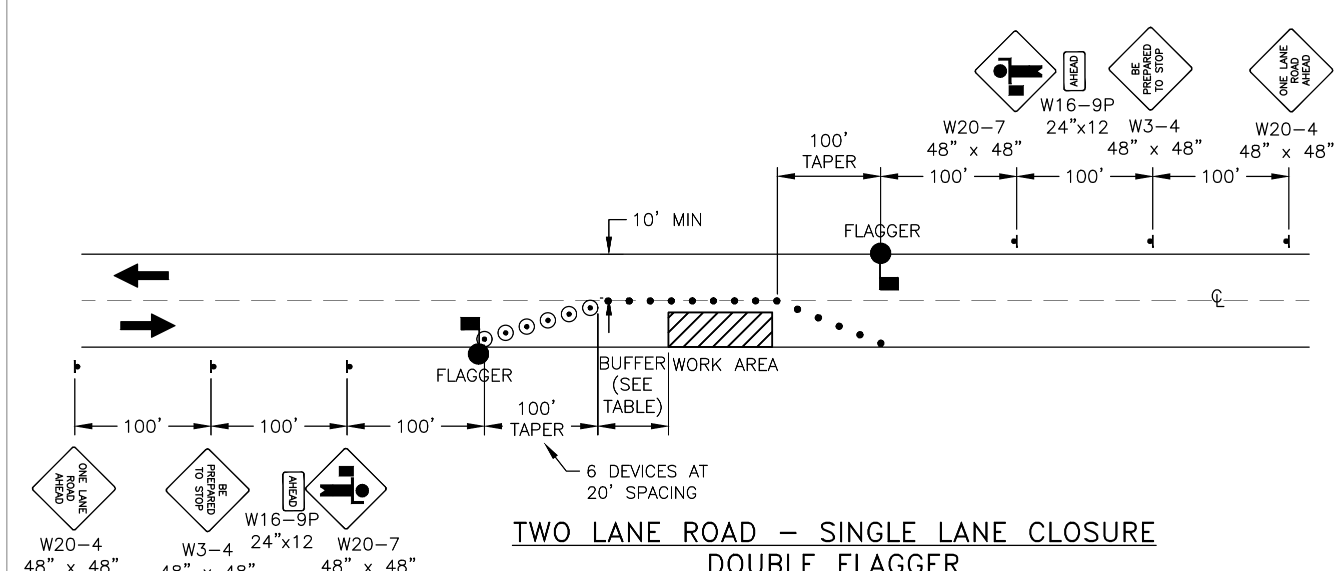
TRAFFIC CONTROL NOTES

1. TEMPORARY DRIVING LANES SHALL HAVE A MINIMUM WIDTH OF 10'.
2. CHANNELIZATION DEVICES, IF USED AT NIGHT, SHALL BE LIT IN ACCORDANCE WITH THE ALASKA TRAFFIC MANUAL.
3. 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 ALL TCP CONFIGURATIONS SHALL BE CREATED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER FOR APPROVAL. WHERE APPROPRIATE, THE CONTRACTOR SHALL INCORPORATE APPLICABLE PORTIONS OF DETAILS ON THESE SHEETS. COORDINATE THE TCP FOR THIS PROJECT WITH THE GLACIER HIGHWAY INDUSTRIAL BLVD INTERSECTION IMPROVEMENT PROJECT.
4. PEDESTRIAN PASSAGE THROUGH THE PROJECT IS EXPECTED. PROVIDE SIGNING, BARRIERS, AND OTHER TEMPORARY FACILITIES AS NECESSARY TO ACCOMMODATE SAFE PEDESTRIAN PASSAGE THROUGH THE PROJECT AREA AT ALL TIMES. ALL TEMPORARY PEDESTRIAN FACILITIES SHALL BE DETECTABLE AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITY.
5. COORDINATE WITH THE ENGINEER PRIOR TO PCMB INSTALLATION. STAKE EACH PCMB LOCATION FOR APPROVAL BY THE ENGINEER. INSTALL PCMB SIGN(S) 7 DAYS IN ADVANCE OF BEGINNING CONSTRUCTION.



ROADWAY ENCROACHMENT

* NO PARKING WITHIN 200' OF CONES



TWO LANE ROAD – SINGLE LANE CLOSURE
DOUBLE FLAGGER

* NO PARKING WITHIN 200' OF CONES
TAPERS ARE 6 DEVICES EVENLY SPACED

LEGEND

- SIGN
- CONE
- DRUM
- FLAGGING STATION
- PORTABLE CHANGEABLE MESSAGE BOARD (PCMB)

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

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

INDUSTRIAL BLVD SIDEWALK AND WIDENING

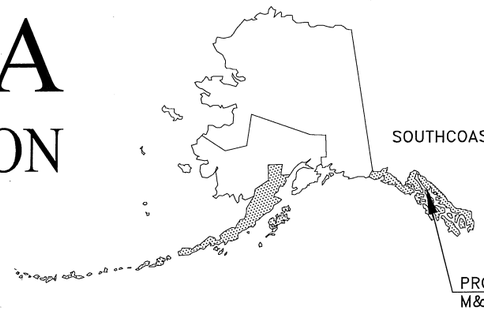
TRAFFIC CONTROL

FILE Q:\Jnu\67408\Planset\67408_T1_Traffic Control.dwg | DATE 4/2/2018 13:29 | LAYOUT T1 | DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT

DESIGNED	CI, TD, BW
CHECKED	LG
DRAFTED	JT
LAYOUT	A1
DATE	9/26/2018 13:45
FILE	Q:\jnu\68081\Planset\68081_A1_Title.dwg

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES



NO.	DATE	REVISIONS

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL 'A' SHEETS
ALASKA	Z680810000/0961018	2017	A1	2
			PLAN SET TOTAL	9

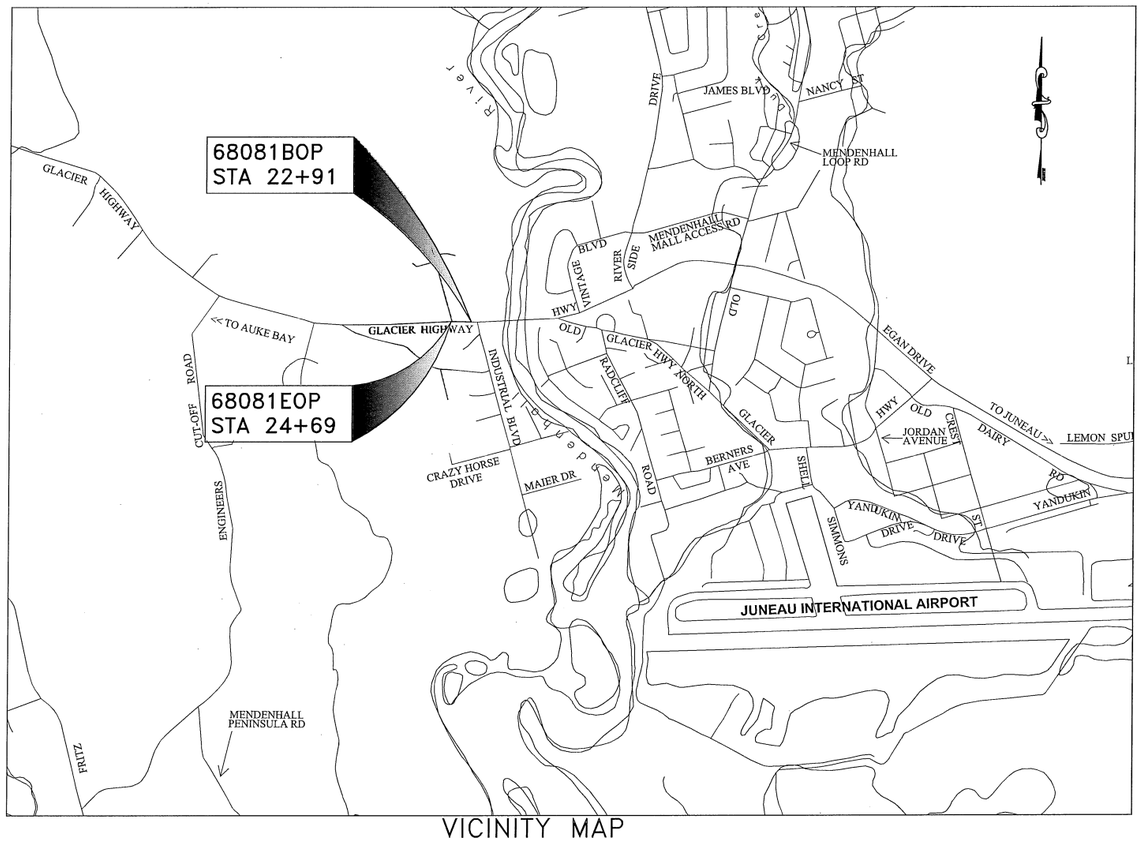
CDS ROUTE: 296000	MILEPOINT: 9.45 TO 9.50
LATITUDE: 58°22'15"N	LONGITUDE: 134°36'18"W

PROPOSED HIGHWAY PROJECT

JNU GLACIER HIGHWAY INDUSTRIAL BLVD INTERSECTION IMPROVEMENT PROJECT NO. Z680810000~0961018

PAVING, SIGNING, AND STRIPING

PROJECT SUMMARY	
LENGTH OF PROJECT	178 FT



VICINITY MAP

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

PE _____

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z680810000/0961017	2018	A2	2

DESIGNED J.PAPOI
CHECKED D.IGNOTOV
DRAFTED J.PAPOI

XREFS

SCALE

LAYOUT SCS 1

DATE TIME 5/8/2018 13:41

DRAWING LOCATION
Q:\Juno\67408\SV\SOURCE DWGS\BASEMAP\C3D14\PED Island_SCS_080717.dwg

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

IND-40: 2" aluminum cap set in road sub graded 0.20" @ Bentwood and Barrett Ave Intersection. 3' from top bank and 14' from "no parking sign"
JNU-Grid N 504849.74 FT US, E 492515.91 FT US
AKSPC N 2388417.09 FT US , E 2505151.28 FT US

IND-41 : 2" aluminum cap set in the north bound shoulder Industrial Blvd @ Intersection of Bentwood sub graded 0.4". Yellow tag on PP #12532 bears N47W 56.4'+/-
JNU-Grid N 504630.00 FT US, E 493200.12 FT US
AKSPC N 2388188.34 FT US, E 2505832.47 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.

PROJECT SPECIFIC TBM'S

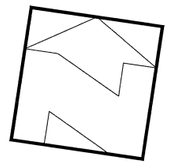
1. North Bolt Top Flange Fire Hydrant Across from Don Abels.
Elevation = 29.33'

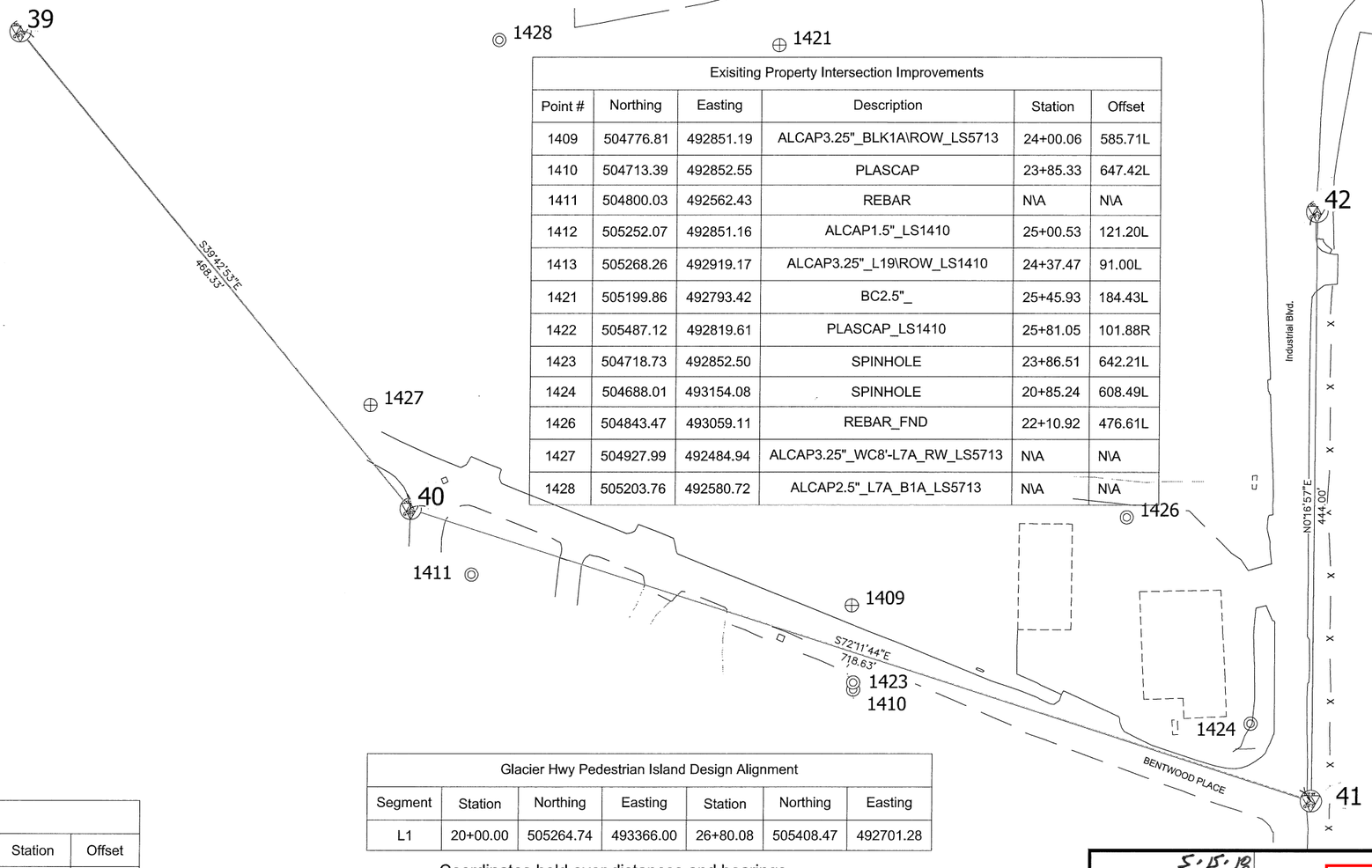
2. North Bolt Top Flange Fire Hydrant in SW Corner of Industrial & Bentwood Place Elevation = 26.67'

SURVEY 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.

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





Exisiting Property Intersection Improvements					
Point #	Northing	Easting	Description	Station	Offset
1409	504776.81	492851.19	ALCAP3.25"_BLK1A\ROW_LS5713	24+00.06	585.71L
1410	504713.39	492852.55	PLASCAP	23+85.33	647.42L
1411	504800.03	492562.43	REBAR	N\A	N\A
1412	505252.07	492851.16	ALCAP1.5"_LS1410	25+00.53	121.20L
1413	505268.26	492919.17	ALCAP3.25"_L19\ROW_LS1410	24+37.47	91.00L
1421	505199.86	492793.42	BC2.5"_	25+45.93	184.43L
1422	505487.12	492819.61	PLASCAP_LS1410	25+81.05	101.88R
1423	504718.73	492852.50	SPINHOLE	23+86.51	642.21L
1424	504688.01	493154.08	SPINHOLE	20+85.24	608.49L
1426	504843.47	493059.11	REBAR_FND	22+10.92	476.61L
1427	504927.99	492484.94	ALCAP3.25"_WC8'-L7A_RW_LS5713	N\A	N\A
1428	505203.76	492580.72	ALCAP2.5"_L7A_B1A_LS5713	N\A	N\A

Glacier Hwy Pedestrian Island Design Alignment						
Segment	Station	Northing	Easting	Station	Northing	Easting
L1	20+00.00	505264.74	493366.00	26+80.08	505408.47	492701.28

Coordinates hold over distances and bearings.

Survey Control Table						
Point #	Northing	Easting	Elevation	Description	Station	Offset
39	505209.99	492216.66	27.91	GPS_ALCTRL2"_IND-39	N\A	N\A
40	504849.74	492515.91	27.16	GPS_ALCTRL2"_IND-40	N\A	N\A
41	504630.00	493200.12	24.57	GPS_ALCTRL2"_IND-41	20+27.98	655.46L
42	505074.00	493202.31	27.19	GPS_ALCTRL2"_IND-42	21+19.68	221.03L

PROPERTY MONUMENT NOTES:

1. Whether listed or not, all property monuments, property markers, or accessories shall be **PRESERVED IN PLACE**. If said monuments are to be disturbed they shall be **REFERENCED** prior to being disturbed, and re-established in their original horizontal position and a record of monument form in accordance with A.S.34.65.040 shall be submitted to the **DOT** 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.

5.15.18

STATE OF ALASKA
49 TH
Daniel M. Ignotov
No. 11296
REGISTERED PROFESSIONAL LAND SURVEYOR

Record drawings have been prepared by me or under my direct supervision and to the best of my knowledge, the project as constructed.
Project Engineer

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
8860 GLACIER HIGHWAY
JUNEAU, AK
(907)465-4491

GLACIER HIGHWAY INDUSTRIAL BLVD INTERSECTION IMPROVEMENT
Survey Control Sheet

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z680810000/0961018	2017	C1	9

CONCRETE MEDIAN BASIS OF ESTIMATE

ITEM DESCRIPTION	ESTIMATED QUANTITY	PAY UNIT
REMOVE ASPHALT CONCRETE	137	SQUARE YARD
AGGREGATE BASE COURSE GRADING D1	31	CUBIC YARD
CONCRETE SIDEWALK, 4" THICK	79	SQUARE YARD
CURB AND GUTTER	271	LINEAR FEET
REMOVE PAVEMENT MARKINGS	76	SQUARE FEET
STANDARD SIGN	5	SQUARE FEET
DELINEATOR, FLEXIBLE	6	EACH
CONSTRUCTION SURVEYING	ALL REQUIRED	LUMP SUM
PAINTED TRAFFIC MARKING	ALL REQUIRED	LUMP SUM

STATE OF ALASKA
49 TH
LOREY GEHRING
ELC 10155
REGISTERED PROFESSIONAL ENGINEER
1/24/18

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

Record Drawings have been reviewed by the project engineer and to the best of my knowledge the project is represented

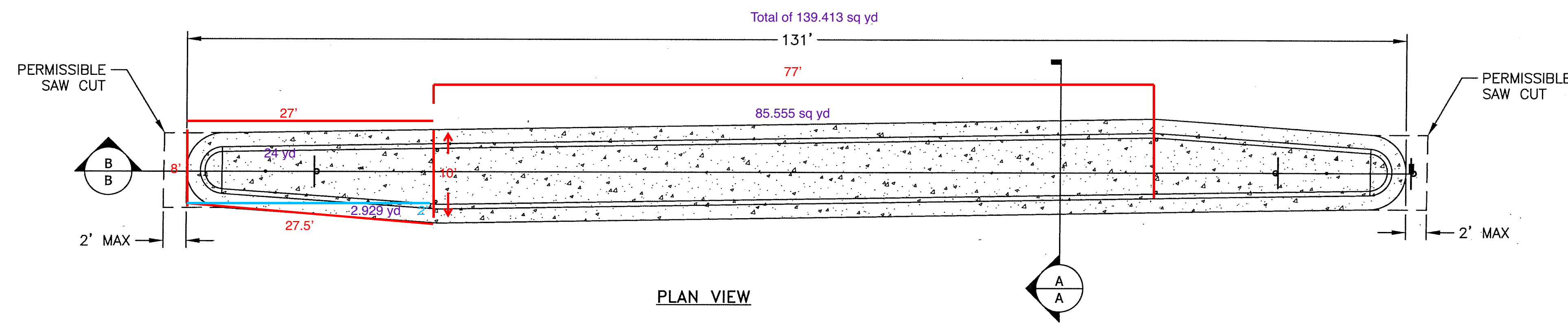
GLACIER HWY INDUSTRIAL BLVD
INTERSECTION IMPROVEMENT

PE _____

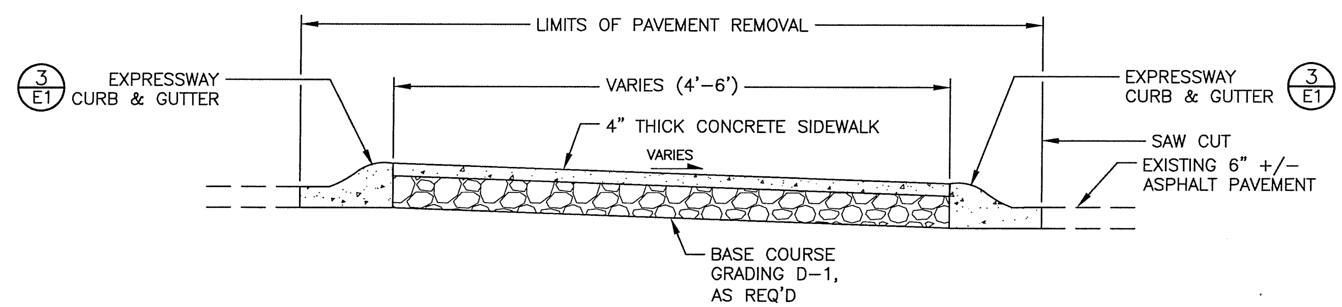
BASIS OF ESTIMATE

FILE | Q:\jnu\68081\Planset\68081_C1_Quantites.dwg
DATE | 9/26/2018 11:23
LAYOUT | C1
DESIGNED | CL, TD, BW
CHECKED | LG
DRAFTED | JT

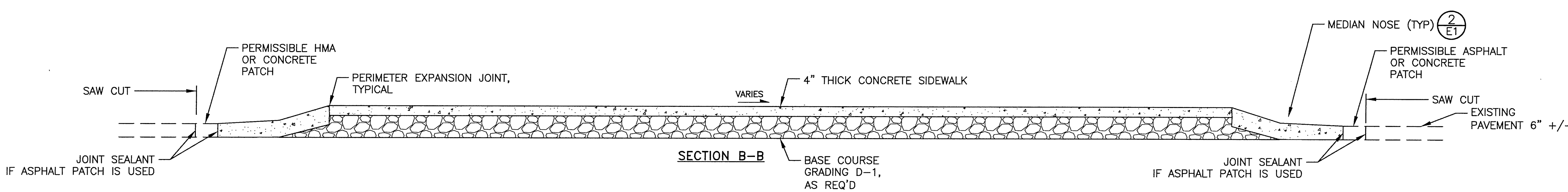
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z680810000/0961018	2017	E1	9



PLAN VIEW



SECTION A–A



SECTION B–B

1 E1 RAISED CONCRETE MEDIAN DETAIL

SCALE: NOT TO SCALE

DETAIL NOTES:

1. PROVIDE TRANSVERSE EXPANSION JOINTS AT 30' O.C. MAX.
2. PROVIDE 1" DEEP X $\frac{1}{8}$" WIDE TRANSVERSE CONTROL JOINTS AT 10' O.C.
3. SECTION A–A: CAST CEMENT TO EDGE OF SAW CUT.
4. SECTION A–A: OUTER TRAFFIC STRIPE TO REMAIN AS SEEN ON SHEET H–1

STATE OF ALASKA 49TH LOREN GEHRING AELC 10155 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

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

PE ____________

INDUSTRIAL BLVD. INTERSECTION IMPROVEMENT

DETAILS

DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT | LAYOUT E1 | DATE 8/10/2017 15:45

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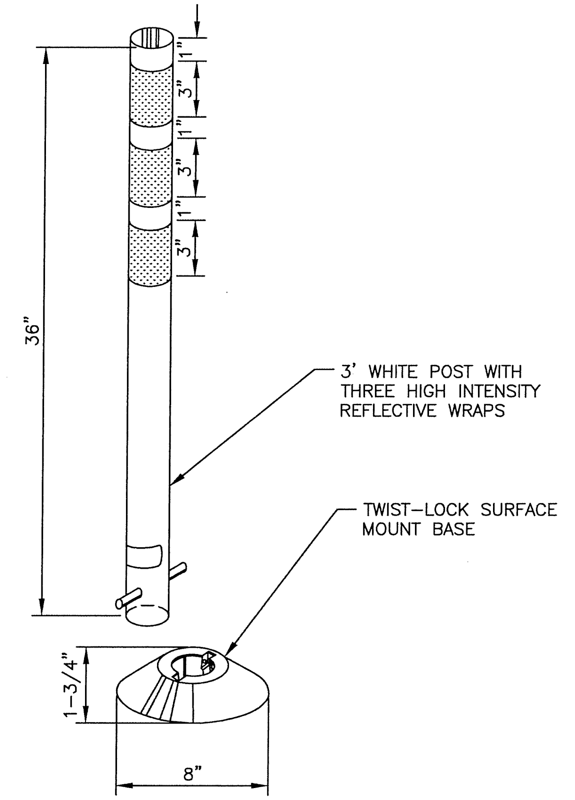
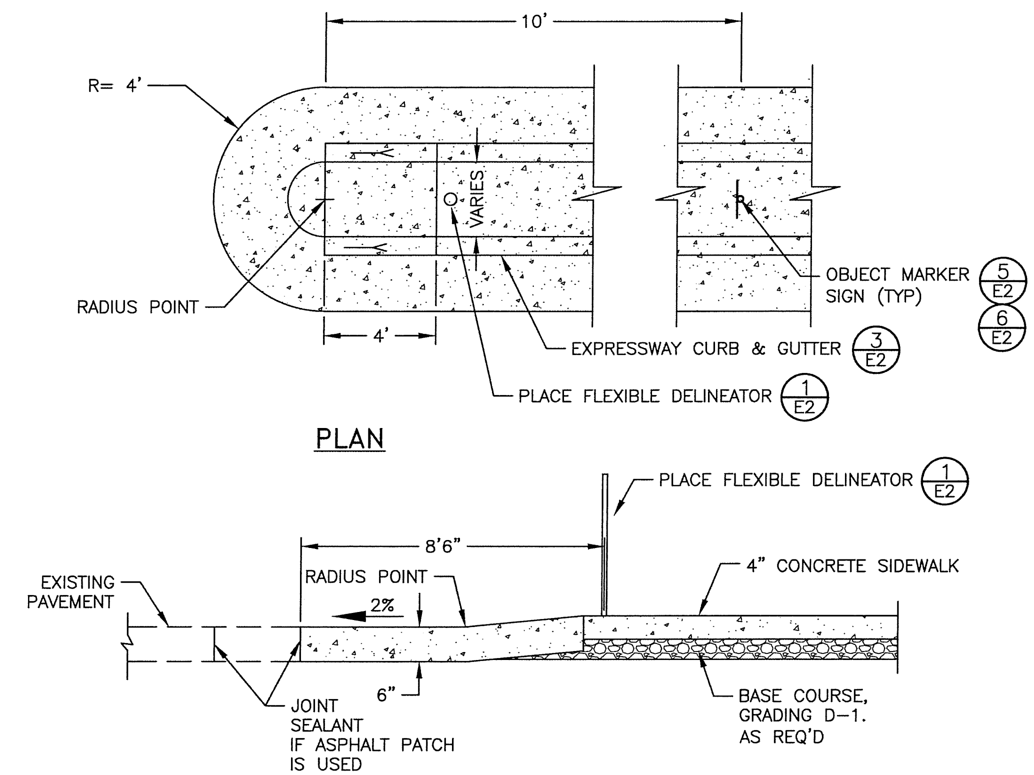


DETAIL NOTES:

1. DELINEATORS SHALL BE INSTALLED AT LOCATIONS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER
2. DELINEATORS SHALL BE WHITE IN COLOR. DELINEATORS SHALL HAVE YELLOW REFLECTIVE SHEETING.
3. DELINEATOR BASE SHALL BE INSTALLED USING BOTH EPOXY AND ANCHOR BOLTS

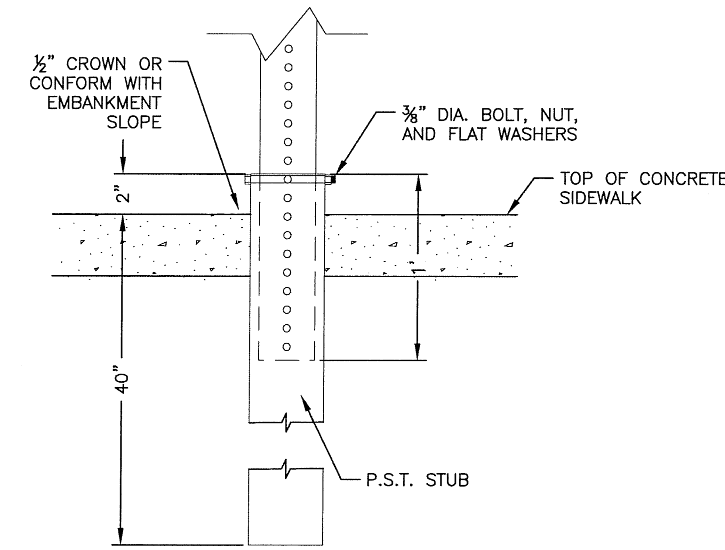
1/E2 DELINEATOR TYPE A

SCALE: NOT TO SCALE



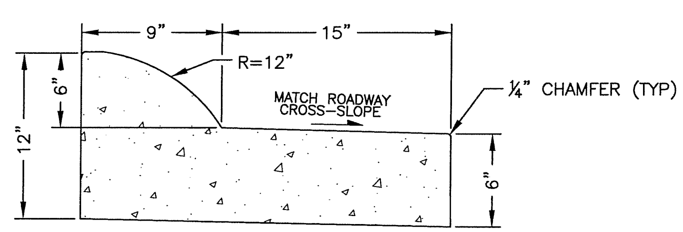
2/E2 RAMPED MEDIAN/ISLAND END DETAIL

SCALE: NOT TO SCALE



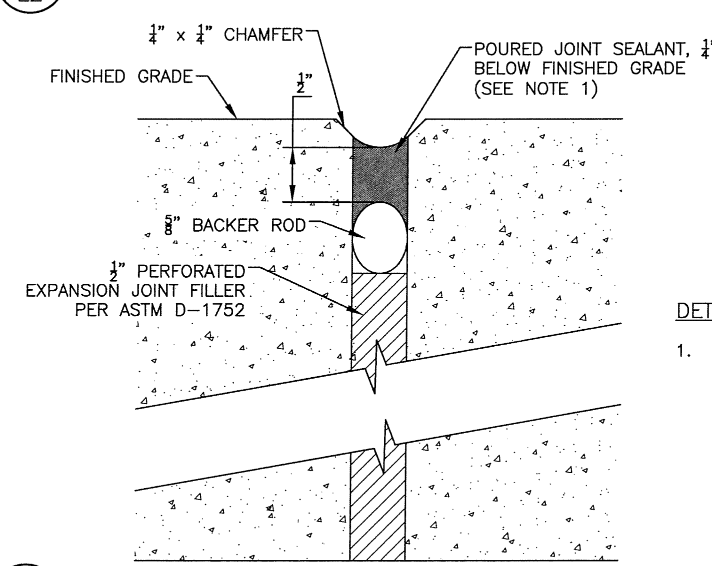
4/E2 SLEEVE TYPE CONCRETE FOUNDATION

SCALE: NOT TO SCALE



3/E2 EXPRESSWAY CURB & GUTTER (MEDIAN-TYPE)

SCALE: NOT TO SCALE

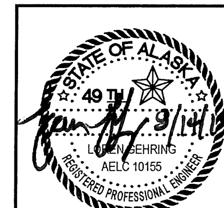


DETAIL NOTES:

1. SEAL JOINT WITH HOT APPLIED, JET FUEL RESISTANT JOINT SEALING MATERIAL MEETING ASTM D3581 (CRAFCO SUPERSEAL 1614A OR APPROVED EQUAL. PROVIDE A MINIMUM SEALED DEPTH OF ½ INCH.

5/E2 EXPANSION JOINT DETAIL

SCALE: NOT TO SCALE



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

INDUSTRIAL BLVD. INTERSECTION IMPROVEMENT

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

PE ______________________

DETAILS

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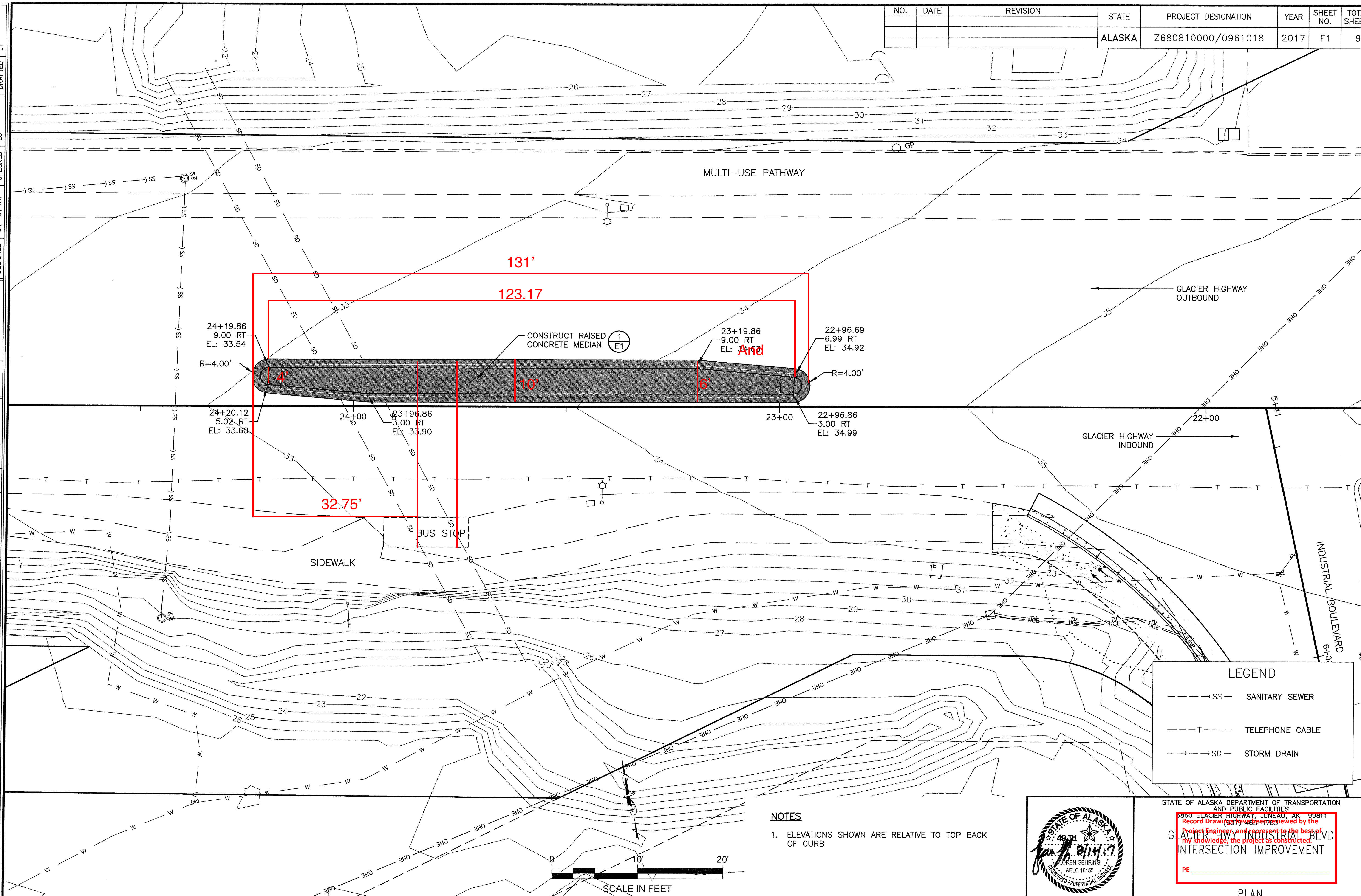
NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z680810000/0961018	2017	F1	9



NOTES

1. ELEVATIONS SHOWN ARE RELATIVE TO TOP BACK OF CURB

LEGEND

SS	SANITARY SEWER
T	TELEPHONE CABLE
SD	STORM DRAIN

STATE OF ALASKA
49TH
LOREN GEHRING
AELC 10155
REGISTERED PROFESSIONAL ENGINEER
8/14/17

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

GLACIER HWY INDUSTRIAL BLVD INTERSECTION IMPROVEMENT

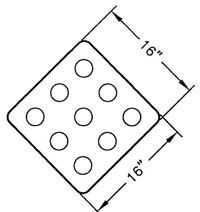
Record Drawings have been reviewed by the Project Engineer, and represent to the best of my knowledge, the project as constructed.

PE ____________________

PLAN

DESIGNED CI, TD, BW | CHECKED LG | DRAFTED JT | LAYOUT F1 | DATE 8/10/2017 15:45 | FILE Q:\Jnu\68081\Planset\68081_F1_P&P.dwg

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z680810000/0961018	2017	H1	9

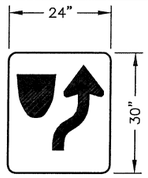


OM1-1

1 / H1 **OBJECT MARKER DETAIL**
SCALE: NOT TO SCALE

DETAIL NOTES:

1. MOUNT AT LEST 4' ABOVE FINISH GRADE.
2. MOUNT ON 2.5" PST.



R4-7

2 / H1 **KEEP RIGHT DETAIL**
SCALE: NOT TO SCALE

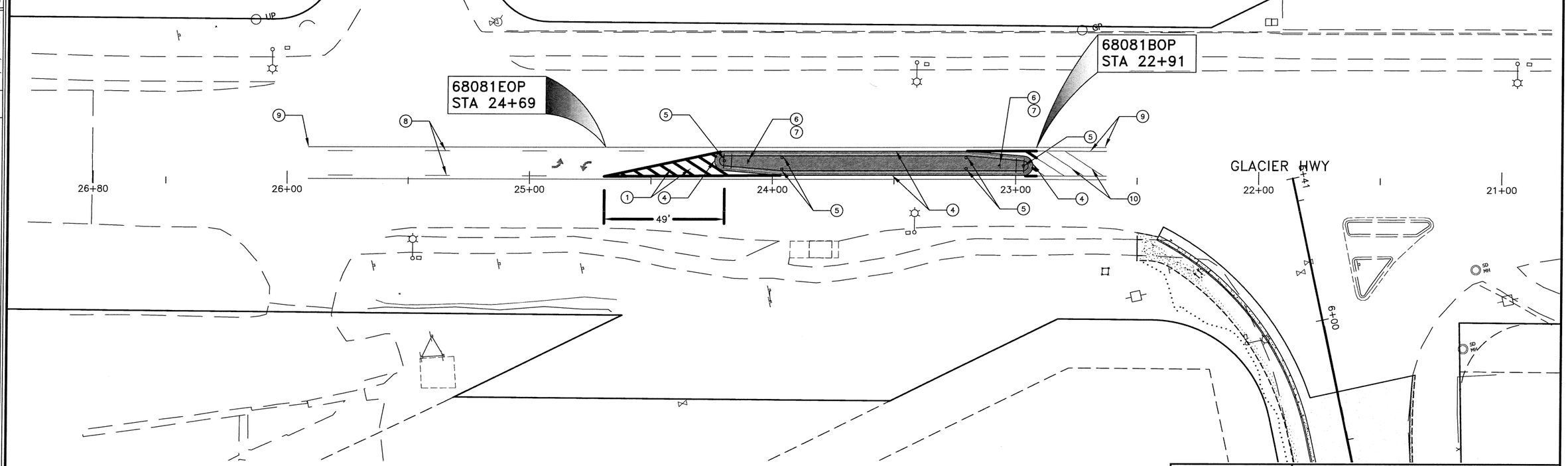
DETAIL NOTES:

1. MOUNT AT LEST 7' ABOVE FINISH GRADE.
2. MOUNT ON 2.5" PST, ABOVE OM1-1.

0 40' 80'
SCALE IN FEET

SIGN & STRIPE LEGEND

SYMBOL #	DESCRIPTION	LINE WIDTH (IN)	NOTES
1	SOLID YELLOW CHEVRON	18"	TRAFFIC PAINT
2	SOLID YELLOW	4"	TRAFFIC PAINT
3	BROKEN YELLOW (10' LINE W/ 30' GAP)	4"	TRAFFIC PAINT
4	YELLOW CURB	--	TRAFFIC PAINT
5	DELINEATOR	--	3"d X 48"
6	OM1-1	--	16" X 16"
7	R4-7	--	24" X 30"
8	EXISTING BROKEN YELLOW (10' LINE W/ 30' GAP)	4"	METHYL METHCRYLATE
9	EXISTING SOLID YELLOW	4"	METHYL METHCRYLATE
10	EXISTING SOLID YELLOW CHEVRON	--	METHYL METHCRYLATE



NOTES:

1. REMOVE EXISTING CHEVRON STRIPING PAST STA. 24+00.
2. ALIGN NEW STRIPING TO EXISTING STRIPING.
3. TOUCH-UP EXISTING STRIPING BETWEEN BOP & EOP WITH TRAFFIC PAINT AS DIRECTED BY ENGINEER.

STATE OF ALASKA
49TH
9/14/17
DAVID EPSTEIN
AELC6866
REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
5880 GLACIER HIGHWAY, JUNEAU, AK 99811
(907) 465-4763

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

PE _____

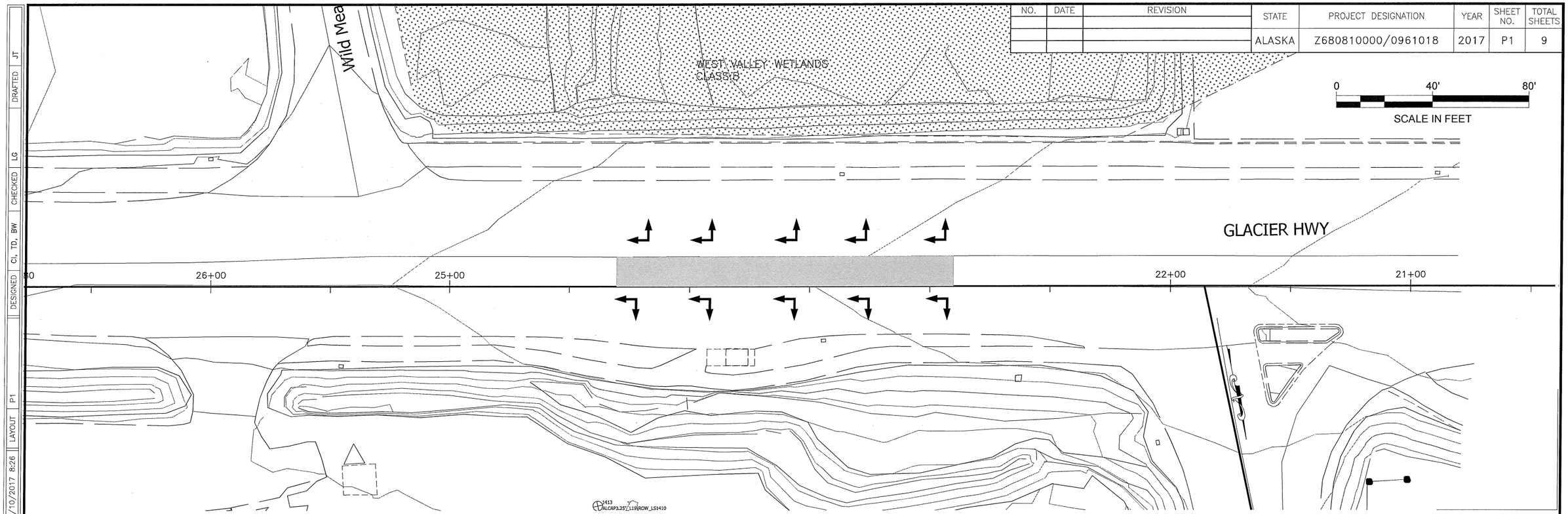
GLACIER HWY INDUSTRIAL BLVD INTERSECTION IMPROVEMENT

SIGINING & STRIPING

FILE | Q:\Juno\68081\Planset\68081_H1_SIGN&STRIPE.dwg
DATE | 8/10/2017 8:26
LAYOUT | H1
DESIGNED | CI, TD, BW
CHECKED | LG
DRAFTED | JT

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z680810000/0961018	2017	P1	9



GENERAL NOTES:

1. THE LOCATIONS OF TEMPORARY EROSION & SEDIMENT POLLUTION CONTROLS ARE RECOMMENDATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE AND IMPLEMENT A SWPPP ACCORDING TO SECTION 641 OF THE SPECS.
2. INSTALL EROSION AND SEDIMENT CONTROL DEVICES BEFORE BEGINNING GROUND DISTURBING ACTIVITIES
3. EROSION CONTROL MEASURES WILL BE EVALUATED BY THE ENGINEER BASED ON EFFECTIVENESS. THOSE FOUND INEFFECTIVE MUST BE REPLACED OR REPAIRED WITHIN 24 HOURS FOLLOWING NOTIFICATION.
4. MAINTAIN DEVICES. MONITOR DAILY.

ESCP NOTES:

1. PROVIDE TEMPORARY OR PERMANENT STABILIZATION FOR ALL DISTURBED SOILS AND ERODIBLE STOCKPILES AT THE END OF EACH DAILY SHIFT OR PROVIDE EROSION AND SEDIMENT CONTROL BMP'S.
2. COVER ALL ERODIBLE STOCKPILES WITH PLASTIC COVERING SECURED WITH SAND BAGS AND PERIMETER SEDIMENT CONTROL IF THEY ARE LEFT EXPOSED FOR MORE THAN 24 HOURS IN ACCORDANCE WITH THE BMP 12.0 AND BMP 10 OF THE ADOT&PF STORM WATER POLLUTION PREVENTION PLAN (SWPPP) GUIDE.
3. USE ALASKA DOT&PF BMP GUIDE FOR OTHER EROSION AND SEDIMENT CONTROL.
4. PREVENT OFF-SITE TRACKING OF SEDIMENT BY WORKERS, VEHICLES, AND/OR EQUIPMENT. REGULARLY SWEEP PAVEMENT IN WORK AREAS AND EMPLOY GOOD HOUSEKEEPING PRACTICES.
5. PERFORM CONCRETE WASHOUT ACTIVITIES IN DESIGNATED AREAS ONLY IN ACCORDANCE WITH THE ASSOCIATED BMP DETAIL. CONCRETE WASHOUT WATER MAY NOT BE DISCHARGED WITH STORM WATER.
6. COMPLY WITH ALL NECESSARY PERMIT CONDITIONS AND ENVIRONMENTAL COMMITMENTS AS OUTLINED IN THE CONSTRUCTION DOCUMENTS.

LEGEND

- EARTH DISTURBANCE
- PROFILE FLOW
- WETLAND

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

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

INDUSTRIAL BLVD. INTERSECTION IMPROVEMENT

PE _____

ESCP

DATE | 8/10/2017 8:26
LAYOUT | P1
DESIGNED | CL, TD, BW
CHECKED | LG
DRAFTED | JT
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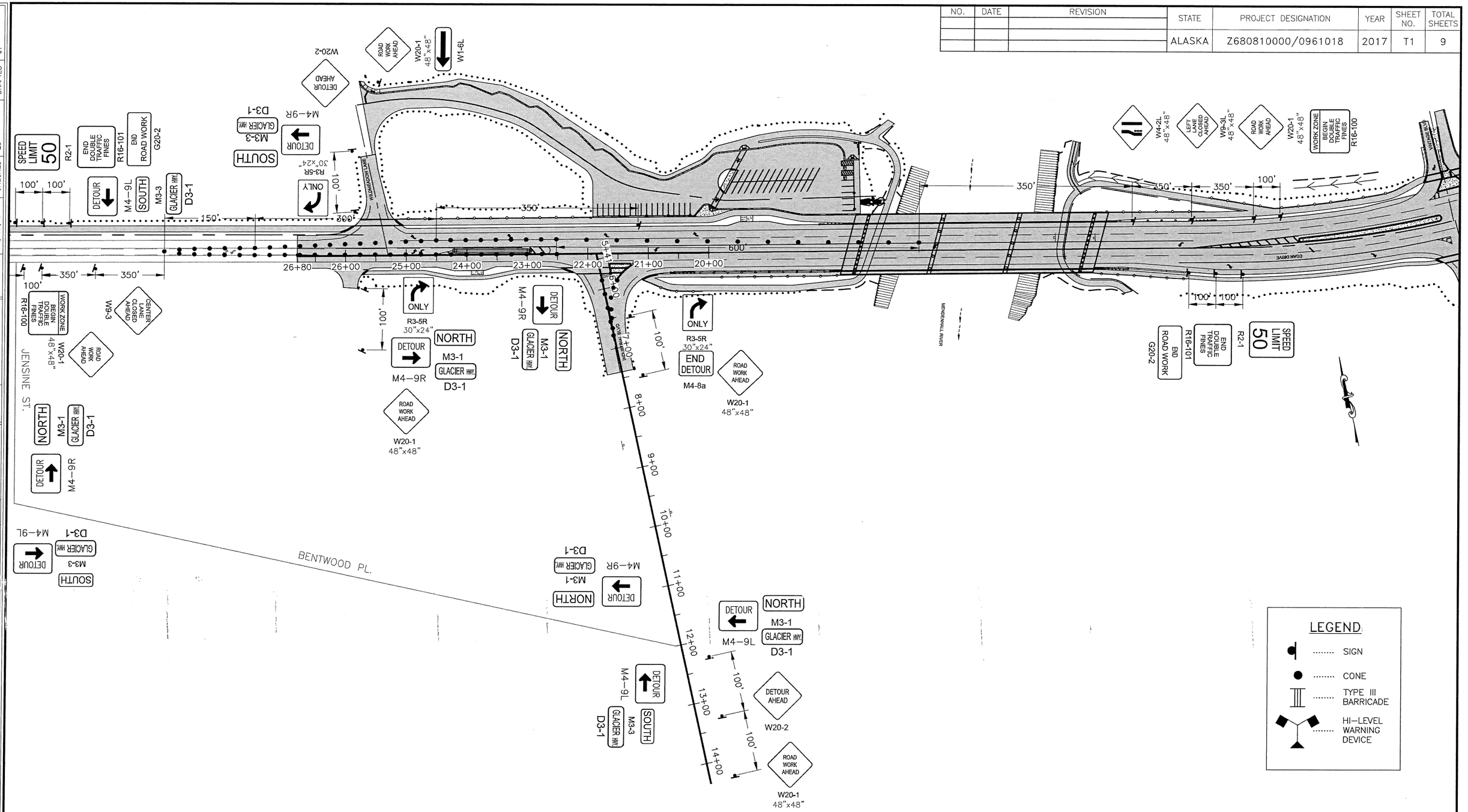
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	Z680810000/0961018	2017	T1	9



TRAFFIC CONTROL NOTES:

1. A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS IN NON–WORK AREAS AND DURING NON–WORKING HOURS.
2. DRIVING LANES SHALL BE A MINIMUM WIDTH OF 10'.
3. TRAFFIC DELAYS SHALL NOT EXCEED 5 MINUTES.
4. UNEVEN LANES SIGNS WITH HIGH–LEVEL WARNING DEVICES SHALL BE USED DURING OPERATIONS THAT CREATE A DIFFERENCE IN ELEVATION BETWEEN ADJACENT LANES OF 1 INCH OR GREATER.

TCP SETUP TABLE

	MIN MERGING TAPER LENGTH (L) IN FEET WIDTH OF OFFSET (W) IN FEET			MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET			MAX DEVICE SPACING IN FEET		BUFFER SPACE
SPEED (MPH)	10'	11'	12'	10'	11'	12'	ALONG TAPER	ALONG TANGENT	(FT)
25 OR BELOW	105	115	125	6	6	6	25	50	155
50	500	550	600	11	12	13	50	100	425

LEGEND

- SIGN
- CONE
- TYPE III BARRICADE
- HI–LEVEL WARNING DEVICE

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

PE _____

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

GLACIER HWY INDUSTRIAL BLVD. INTERSECTION IMPROVEMENT

TRAFFIC CONTROL

FILE | Q:\jnu\68081\Planset\68081_T1_Traffic Control.dwg | DATE | 8/10/2017 7:25 | LAYOUT | T1 | DESIGNED | CL, TD, BW | CHECKED | LG | DRAFTED | JT

NO.	DATE	REVISION

STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
ALASKA	Z680810000/0961018	2017	T2	9

DESIGNED	CI, TD, BW
CHECKED	LG
DRAFTED	JT
LAYOUT	T2
DATE	2/26/2018 13:01
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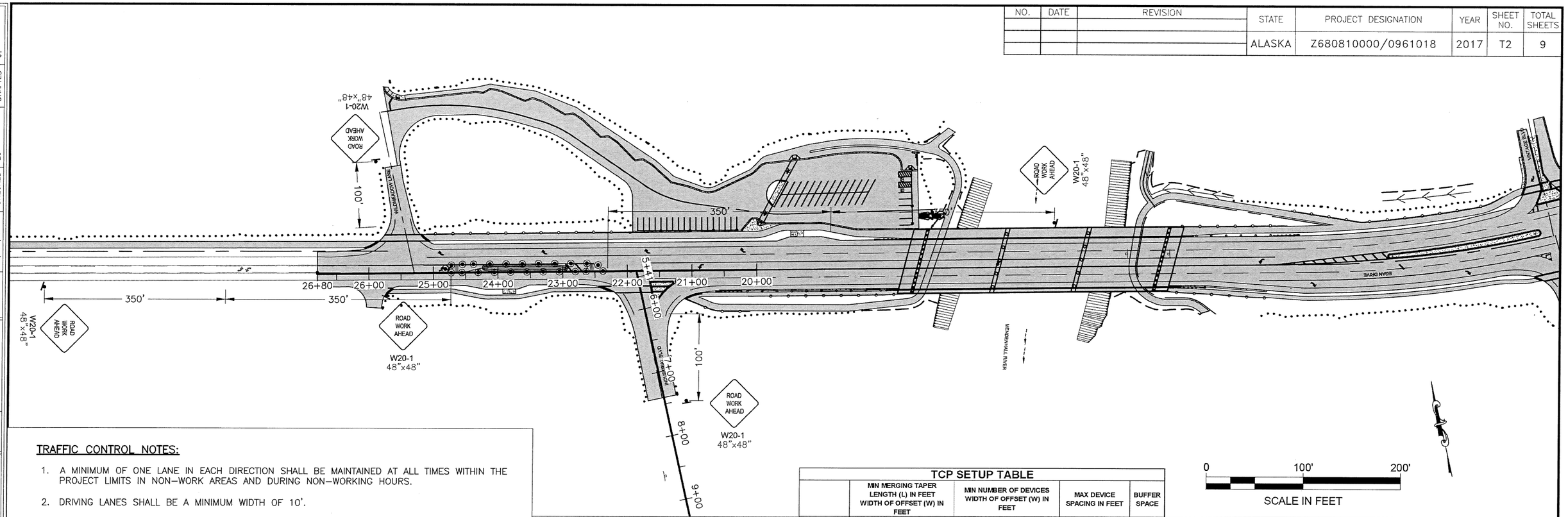


TRAFFIC CONTROL NOTES:

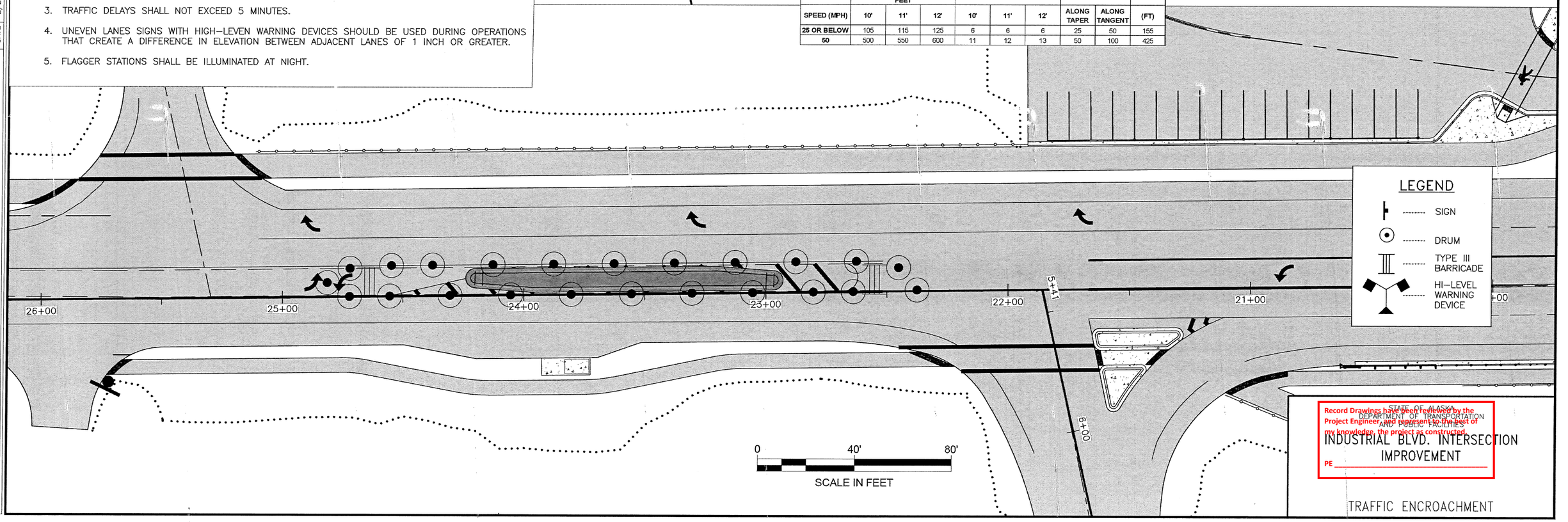
1. A MINIMUM OF ONE LANE IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS IN NON–WORK AREAS AND DURING NON–WORKING HOURS.
2. DRIVING LANES SHALL BE A MINIMUM WIDTH OF 10'.
3. TRAFFIC DELAYS SHALL NOT EXCEED 5 MINUTES.
4. UNEVEN LANES SIGNS WITH HIGH–LEVEN WARNING DEVICES SHOULD BE USED DURING OPERATIONS THAT CREATE A DIFFERENCE IN ELEVATION BETWEEN ADJACENT LANES OF 1 INCH OR GREATER.
5. FLAGGER STATIONS SHALL BE ILLUMINATED AT NIGHT.

TCP SETUP TABLE

	MIN MERGING TAPER LENGTH (L) IN FEET WIDTH OF OFFSET (W) IN FEET			MIN NUMBER OF DEVICES WIDTH OF OFFSET (W) IN FEET			MAX DEVICE SPACING IN FEET		BUFFER SPACE
SPEED (MPH)	10'	11'	12'	10'	11'	12'	ALONG TAPER	ALONG TANGENT	(FT)
25 OR BELOW	105	115	125	6	6	6	25	50	155
50	500	550	600	11	12	13	50	100	425

0 100' 200'

SCALE IN FEET



0 40' 80'

SCALE IN FEET

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

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

INDUSTRIAL BLVD. INTERSECTION IMPROVEMENT

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TRAFFIC ENCROACHMENT