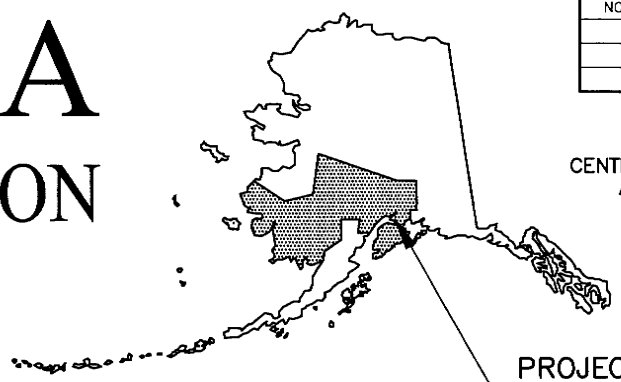


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 DATE/TIME: 4/27/2018 2:42 PM LAYOUT: A1 DESIGNED: LAS CHECKED: CLB DRAFTED: MF

STATE OF ALASKA

DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES



PROJECT LOCATION
M&O STATION: [ANCHORAGE]

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	A1	A4
ROUTE	133735		MILEPOINT	1.81 - 1.92			
LATITUDE	61.159		LONGITUDE	-149.804			

PROPOSED HIGHWAY PROJECT

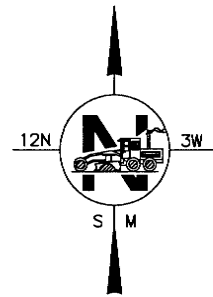
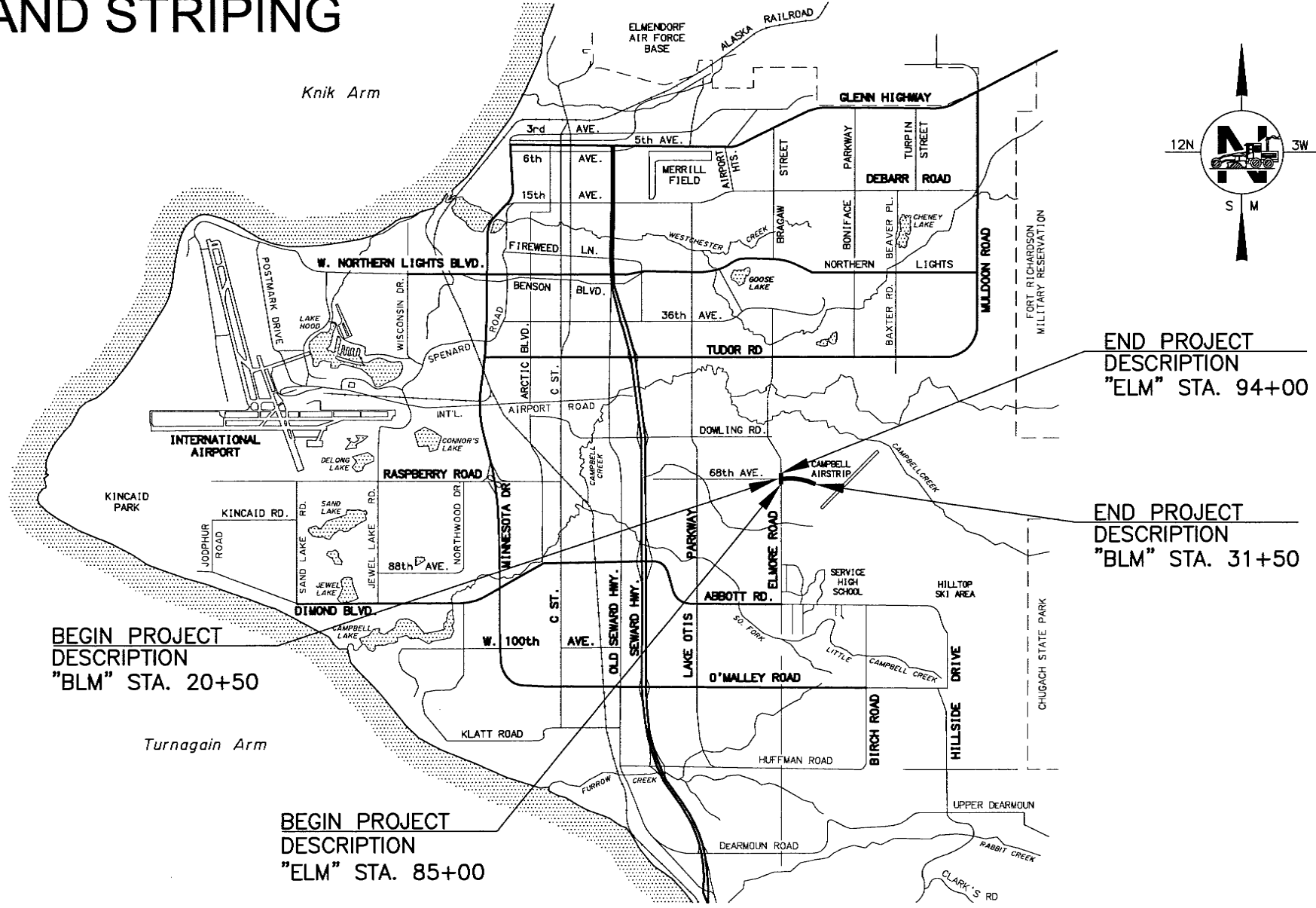
CTF ALTERNATE ENTRANCE ALIGNMENT (WFL)

PROJECT NO: AKBLM AFO 2014(1)/CFHWY00260

GRADING, DRAINAGE, PAVING, ILLUMINATION, SIGNALIZATION, SIGNING, AND STRIPING

PROJECT SUMMARY		
ROADWAY	WIDTH	LENGTH
BLM ROAD	36 FT	0.2 MILES
ELMORE ROAD	53 FT	0.2 MILES

DESIGN DESIGNATIONS	
	BLM ROAD
FUNCTIONAL CLASS	LOCAL
AADT (2017)	1300
AADT (2039)	1529
DESIGN SPEED (V) (MPH)	25
DHV (2017)	.92
DHV (2039)	.92
T-PERCENT COMMERCIAL TRUCKS (%)	2
D-DIRECTIONAL DISTRIBUTION (%)	50
ESALs	N/A



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
 4111 AVIATION AVENUE, ANCHORAGE, AK 99502
 (907)269-0590

APPROVED:

REGIONAL PRE-CONSTRUCTION ENGINEER	DATE
CONCUR:	
REGIONAL CONSTRUCTION ENGINEER	DATE

FILE: \\PROJECTS\ANCHORAGE\CFHWY00260_CTF_BLM_REALIGN\CAD\16\PLANS\16_SHEETS\00260_A01\A02_T1.DWG
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 DESIGNED: LAS
 CHECKED: CLB
 DRAFTED: MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	A2	A4

GENERAL NOTES:

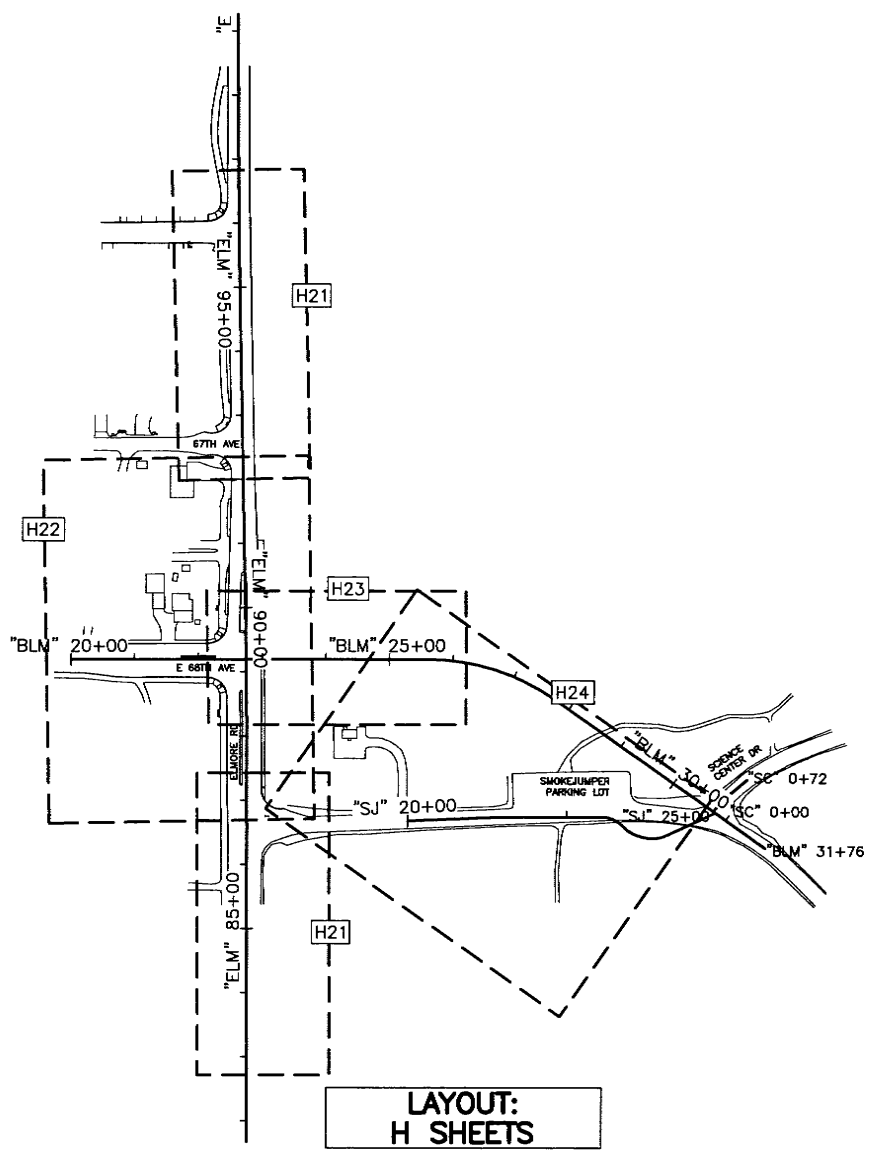
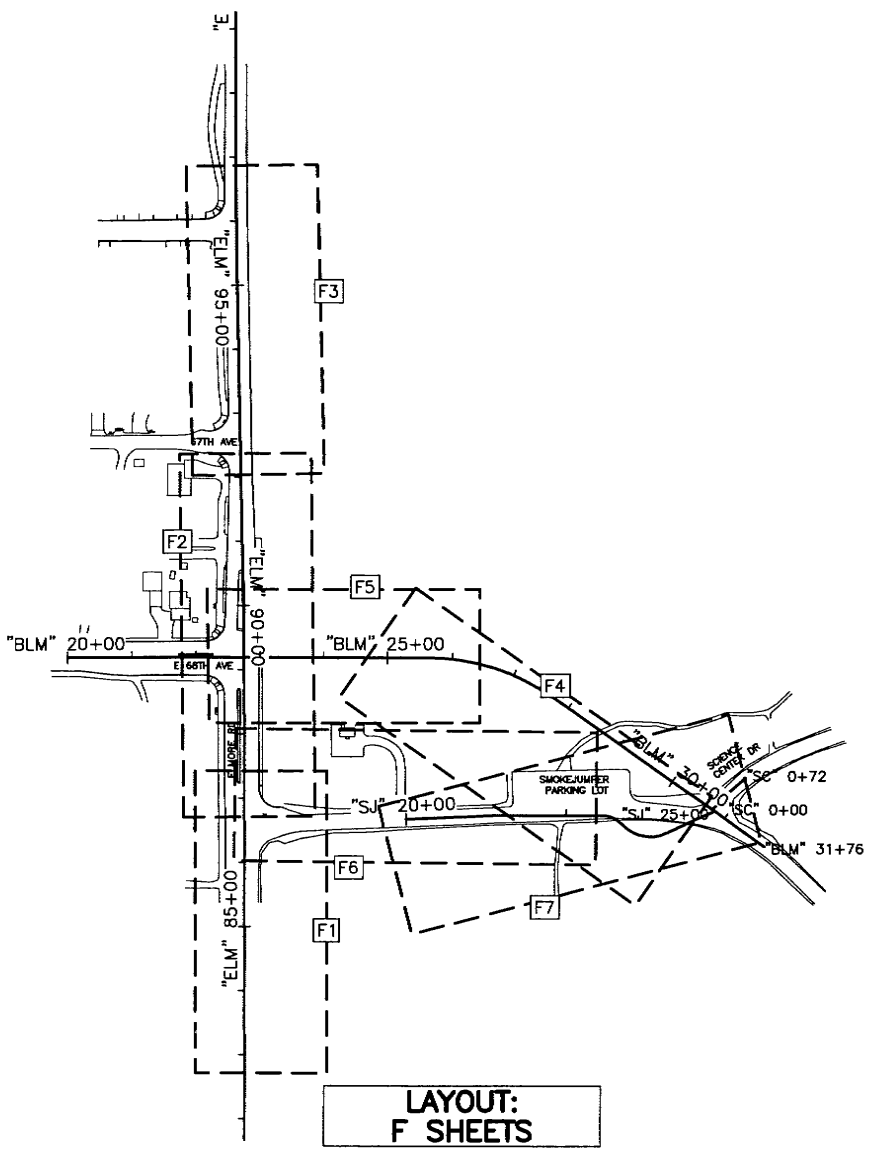
- ALL CONSTRUCTION SHALL BE CONTAINED WITHIN THE RIGHT-OF-WAY, TEMPORARY CONSTRUCTION EASEMENTS, AND TEMPORARY CONSTRUCTION PERMITS. NO EXCESS MATERIAL SHALL BE DISPOSED OF WITHIN THE RIGHT-OF-WAY, UNLESS SPECIFICALLY CALLED FOR IN THE PLANS OR DIRECTED BY THE ENGINEER.
- THE ROW LINES SHOWN WERE DRAWN ON THE PLANS USING INFORMATION FROM DOT&PF, PLATTED SUBDIVISIONS, AND SURVEYED MONUMENTS ON THE GROUND. THE ROW LINES WERE INSERTED USING A COMMON COORDINATE SYSTEM.
- ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATE METHOD APPROVED BY THE ENGINEER.
- CLEARING LIMITS SHALL BE 10 FEET BEYOND SLOPE CATCH POINTS OR 5 FEET INSIDE THE RIGHT-OF-WAY LINE, WHICHEVER IS LESS. IN WETLAND AREAS, CLEARING LIMITS SHALL BE 10 FEET BEYOND SLOPE CATCH POINTS.
- PLACE 4" TOPSOIL AND SEED ANY AREAS DISTURBED BY CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.
- SOME EXISTING INFORMATION SHOWN IN THE PLANS IS FROM AS-BUILTS AND HAS BEEN PARTIALLY FIELD VERIFIED. FIELD CONDITIONS MAY NOT BE ACCURATELY REPRESENTED AND/OR MAY HAVE CHANGED. ADJUST INSTALLATIONS AS DIRECTED BY THE ENGINEER.
- ADJUST ALL PAVEMENT PENETRATIONS TO FINAL GRADE PRIOR TO TOP LIFT OF PAVING.

IF ANY PAVEMENT PENETRATION REQUIRES GRADE ADJUSTMENT AFTER FINAL LIFT PAVING, AS DETERMINED BY THE ENGINEER, SAW CUT A NEAT LINE ALONG THE PAVEMENT TO BE REMOVED. USE AN INFRARED HEATER TO HEAT THE EXISTING PAVEMENT; EQUIPMENT AND MAXIMUM TEMPERATURE SHALL BE APPROVED BY THE ENGINEER. REPLACE THE REMOVED ASPHALT WITH NEW HOT MIX ASPHALT AND THOROUGHLY COMPACT. SEAL JOINTS, AT LEAST 12 INCHES WIDE CENTERED ON JOINT, USING ASPHALT SYSTEMS GSB-88, OR APPROVED EQUAL, WHILE THE HOT MIX ASPHALT IS CLEAN, FREE OF MOISTURE AND PRIOR TO STRIPING.

THERE SHALL BE NO PAYMENT FOR ADDITIONAL WORK CAUSED BY FAILURE TO ADJUST PAVEMENT PENETRATIONS TO FINAL GRADE.

- ON STANDARD DRAWING C-03.10, PROVIDE ADA COMPLIANT PEDESTRIAN TRAFFIC CONTROL DEVICES FOR PEDESTRIAN DETOURS.
- CONSTRUCT RAMP RUNS, LANDINGS, FLARES, AND SIDEWALK EXTENSIONS SHOWN IN THE PLANS USING 4" CONCRETE REGARDLESS OF WHETHER THE EXISTING SIDEWALK/PATHWAY IS ASPHALT OR CONCRETE.
- CONSTRUCT CURB RAMPS TO AVOID IMPACTING SIGNAL POLE FOUNDATIONS. DO NOT COVER SIGNAL POLE FOUNDATION BOLTS AND BASE PLATES WITH TOPSOIL.

INDEX	
SHEET NO.	DESCRIPTION
A1	TITLE SHEET
A2	SHEET LAYOUT, INDEX, AND GENERAL NOTES
A3	LEGEND
A4	SURVEY CONTROL SHEETS
B1-B3	TYPICAL SECTIONS
C1	ESTIMATE OF QUANTITIES
D1-D4	SUMMARY TABLES
E1-E9	DETAIL SHEETS
F1-F7	PLAN AND PROFILE SHEETS
G1-G2	GRADING PLANS
H1-H26	ILLUMINATION, SIGNALIZATION, SIGNING, AND STRIPING
R1	RIGHT-OF-WAY MAPS



THE FOLLOWING REGIONAL DRAWINGS APPLY TO THIS PROJECT:

CR-T-01.10
 IN THE EVENT OF A CONFLICT, REGIONAL DRAWINGS SUPERSEDE STANDARD DRAWINGS.

THE FOLLOWING STANDARD DRAWINGS APPLY TO THIS PROJECT:

C-03.10*, C-04.12, C-05.20
 D-01.02, D-04.21, D-06.10, D-20.04, D-22.01, D-23.01, D24-00,
 D-25.00, D-26.03, D-35.00, D-36.00
 I-21.10, I-22.10, I-30.10
 L-30.10
 S-00.11*, S-05.01, S-23.00, S-30.04, S-31.01
 T-20.03, T-21.03, T-22.03, T-23.00, T-52.20, T-53.00, T-54.00,
 T-55.00, T-56.00, T-57.01

* AS MODIFIED HEREIN

ABBREVIATIONS:

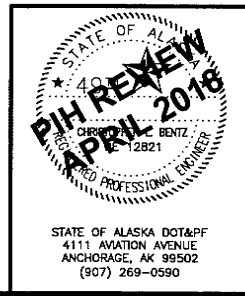
CTF - CAMPBELL TRACT FACILITY

ALIGNMENT ABBREVIATIONS:

"BLM" - BLM ROAD
 "ELM" - ELMORE ROAD
 "SJP" - SMOKE JUMPER PARKING AREA

SPECIFICATION:

CONSTRUCT THE IMPROVEMENTS COVERED BY THESE PLANS IN ACCORDANCE WITH THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES 2017 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND THE PROJECT SPECIAL PROVISIONS.



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

**PLAN SCHEMATIC, INDEX,
 AND GENERAL NOTES**

STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
 (907) 269-0590

FILE: \\PROJECTS\ANCHORAGE\CFHWY00260_CTF_BLM_REALIGN\CFHWY00260_CTF_PLANS\SET\A3_SHEETS\0260_A03_LAND.DWG
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	CFHWY00260	2018	A3	A4

	ROADWAY	
	EXISTING	PROPOSED
EDGE OF PAVEMENT		
LIMIT OF CUT SLOPE & FILL SLOPE		
GRAVEL EDGE		
SIDEWALK AND PATH/TRAIL		
CONCRETE CURB & GUTTER		
CONCRETE CURB CUT		
PARALLEL CURB RAMP		
PERPENDICULAR CURB RAMP		
UNIDIRECTIONAL CURB RAMP & MID-BLOCK CURB RAMP		
DETECTABLE WARNING TILE		
BRIDGE		
TUNNEL		
GUARDRAIL		
END & PARALLEL END SECTIONS		
ROADWAY OBLITERATION		
FENCE		
STONE FENCE		
NOISE BARRIER		
RETAINING WALL		
HEADWALL & WINGWALL		
BOTTOM OF DITCH		
SPECIAL DITCH		
FLAT BOTTOM DITCH		
BERM		
RIPRAP		
BOULDER OR BOULDERS		
PRIVATE SIGN, MAILBOX		
POST, BOLLARD		
PAVEMENT SAW CUT		
NEW PAVEMENT		

	UTILITIES	
	EXISTING	PROPOSED
STORM DRAIN		
STORM DRAIN MANHOLE, CLEANOUT		
CURB INLET CATCH BASIN		
FIELD INLET CATCH BASIN		
PIPE CULVERT WITH END SECTION		
SANITARY SEWER		
SANITARY SEWER MANHOLE, CLEANOUT		
SEPTIC VENT, SEWER SERVICE CONNECTION		
WATER		
FIRE HYDRANT, VALVE OR RISER		
WELL, WATER SERVICE CONNECTION		
NATURAL GAS		
OIL OR GASOLINE PIPELINE		
TANKS (ABOVE GROUND, UNDERGROUND)		
ELECTRIC		
UTILITY POLE, POLE WITH LUMINAIRE		
GUY POLE, GUY WIRE ANCHOR		
TRANSMISSION TOWER (WOOD, STEEL)		
ELECTRIC PEDESTAL, TRANSFORMER		
ELECTRIC MANHOLE, METER		
ELECTRIC OUTLET, LANDSCAPE LIGHT		
TELEPHONE		
TELEPHONE MANHOLE, PEDESTAL		
FIBER OPTIC		
FIBER OPTIC MANHOLE		
CABLE TV		
CABLE TV PEDESTAL, SATELLITE DISH		
UNDERGROUND DUCT, UTILIDOR (ELECTRIC, TELEPHONE, FIBER OPTIC)		
VENT		

	TRAFFIC	
	EXISTING	PROPOSED
LOAD CENTER		
STATE TRAFFIC, MOA TRAFFIC, & BEACON CONTROLLER		
ARROW INDICATES DOOR LOCATION		
TYPE 1A, II, III, IV JUNCTION BOX		
FIBER OPTIC VAULT		
ELECTROLIER		
HIGHTOWER		
SIGNAL POLE WITH MASTARM		
PEDESTRIAN PUSH BUTTON & SIGNAL		
VEHICULAR SIGNAL		
VEHICULAR SIGNAL LEFT & RIGHT		
OPTICAL, CAMERA, RADAR, AND GPS DETECTOR		
LOOP DETECTOR		
COMMUNICATION ANTENNA		
MASTARM BEACON		
RURAL & SCHOOL ZONE BEACON		
LOOP DETECTOR CONDUIT		
SIGNAL CONDUIT		
LIGHTING CONDUIT		
SIGNAL & LIGHTING CONDUIT		
CONDUIT BORING		
CONDUIT SIZE IN INCHES		
INTERCONNECT		
SIGN POST		

	PAVEMENT MARKINGS	
	EXISTING	PROPOSED
TRAFFIC PROJECT CENTERLINE		
8" & 4" WHITE SOLID STRIPE		
4" WHITE SKIP STRIPE		
10' STRIPES AND 30' SPACES		
8" WHITE LANE GUIDE SKIP		
LANE CONTINUATION OR TURN SKIP		
1" STRIPES AND 3" SPACES		
8" & 4" YELLOW SOLID STRIPE		
4" YELLOW SKIP STRIPE		
10' STRIPES AND 30' SPACES		
STRIPING CHANGE STATION INTERVAL		
2' CROSSWALK OR STOPBAR		
LADDER CROSSWALK LAYOUT		
2' WIDE RUNGS WITH 2' SPACES		
ALIGNED TO AVOID TIRE PATHS		
TYPICAL PAINTED MEDIAN		

	RIGHT-OF-WAY	
	RECOVERED	SET THIS PROJECT
FEDERAL GOV'T SURVEY MONUMENT		
GOV'T CONTROL STATION		
PRIMARY MONUMENT (BRASS/AL CAP)		
MISC SECONDARY CORNER		
PRIMARY CENTERLINE MONUMENT		
SECONDARY CENTERLINE MONUMENT		
RANDOM CONTROL MONUMENT		
PRIMARY GPS CONTROL POINT		
HORIZONTAL CONTROL POINT		
SECONDARY CONTROL POINT		
VERTICAL BENCHMARK		
TEMPORARY BENCHMARK		
TOWNSHIP AND RANGE LINES		
SECTION LINE		
1/4 SECTION LINE		
1/16 SECTION LINE		
CORPORATE or CITY LIMITS		
EXISTING RIGHT-OF-WAY		
RIGHT-OF-WAY OR EASEMENT REQUIRED		
PROJECT RIGHT-OF-WAY LINE		
EXISTING RIGHT-OF-WAY EASEMENT		
EXISTING PROPERTY LINE		
CONTROLLED ACCESS LINE		
EXISTING UTILITY EASEMENT		
PROPOSED UTILITY EASEMENT		
EXISTING CENTERLINE		
RAILROAD CENTERLINE		
TEMPORARY CONSTRUCTION EASEMENT		
TEMPORARY CONSTRUCTION PERMIT		

	TOPOGRAPHY	
	EXISTING	PROPOSED
LAKE OR POND, WETLANDS		
TREE (CONIFER/DECIDUOUS)		
TREELINE (EDGE OF VEGETATION)		
PLANTER		
BUILDING OR FOUNDATION		
CONTOUR, MAJOR OR MINOR		
DRAINAGE FLOW		
CREEK (CENTERLINE)		
RIVER (EDGE OF WATER)		

STATE OF ALASKA DOT&PF
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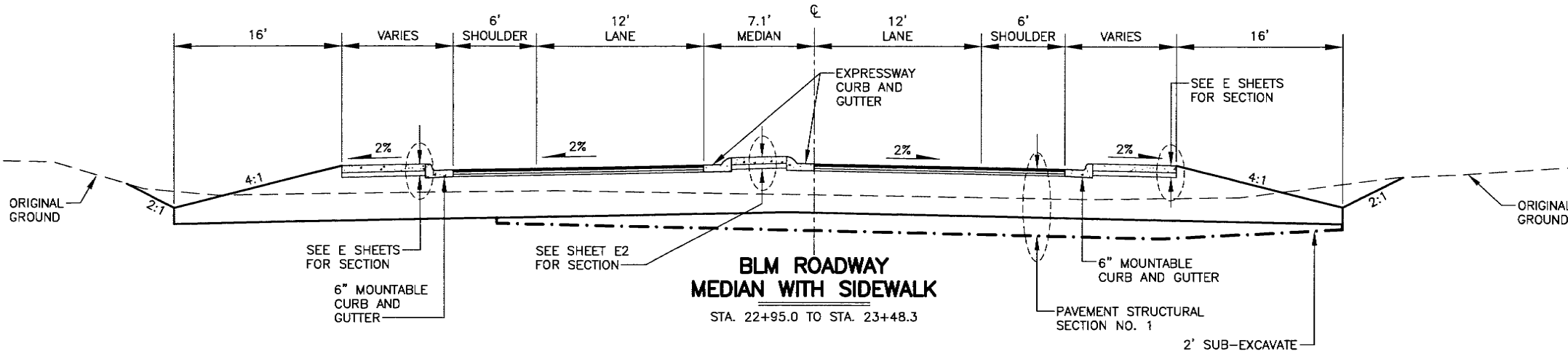
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**

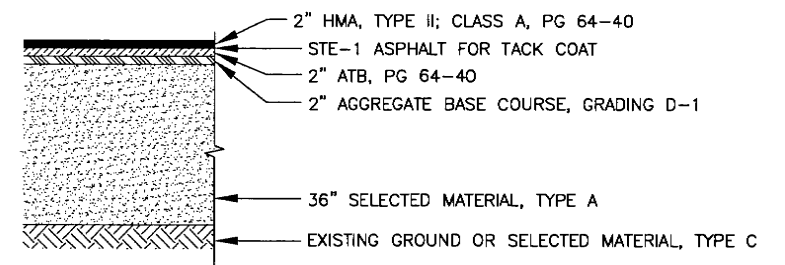
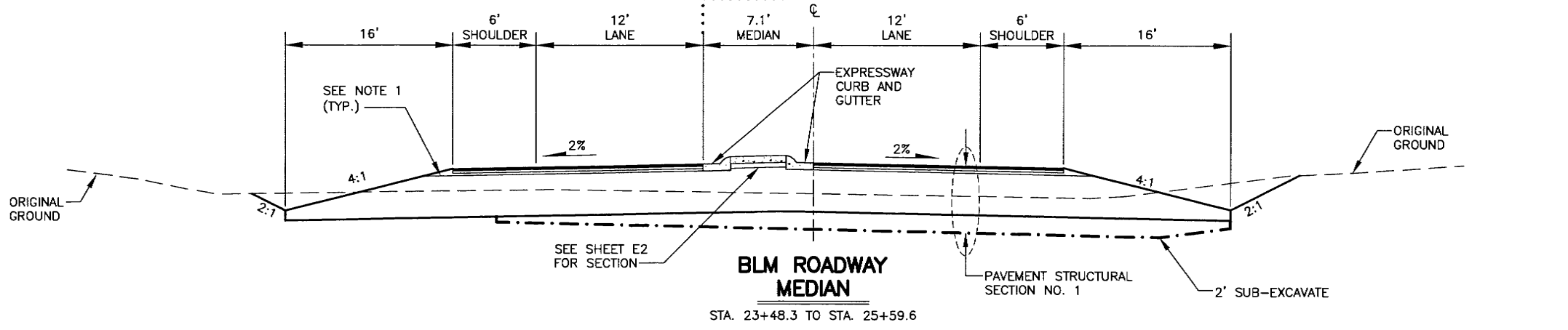
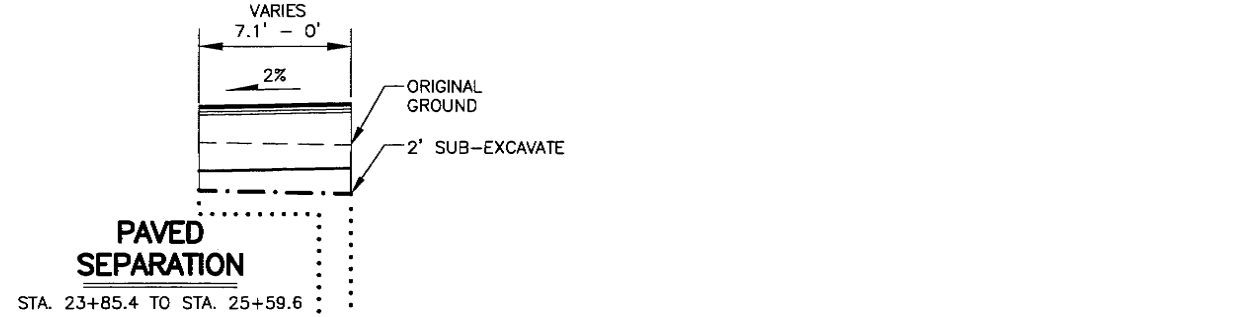
LEGEND SHEET

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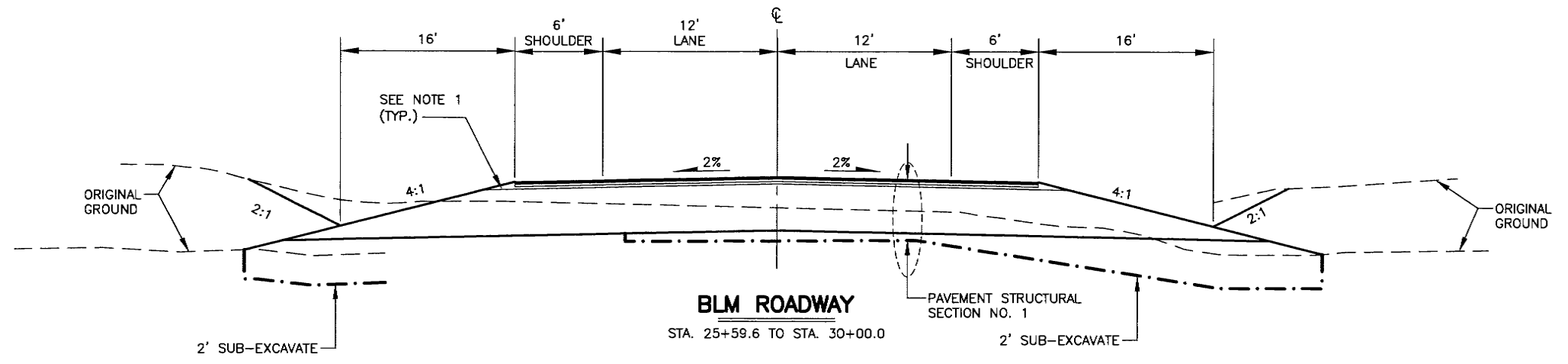
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	B1	B3



NOTE:
1. SEE GRADING SHEETS FOR MEDIAN LAYOUT DETAILS.



PAVEMENT STRUCTURAL SECTION NO. 1



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

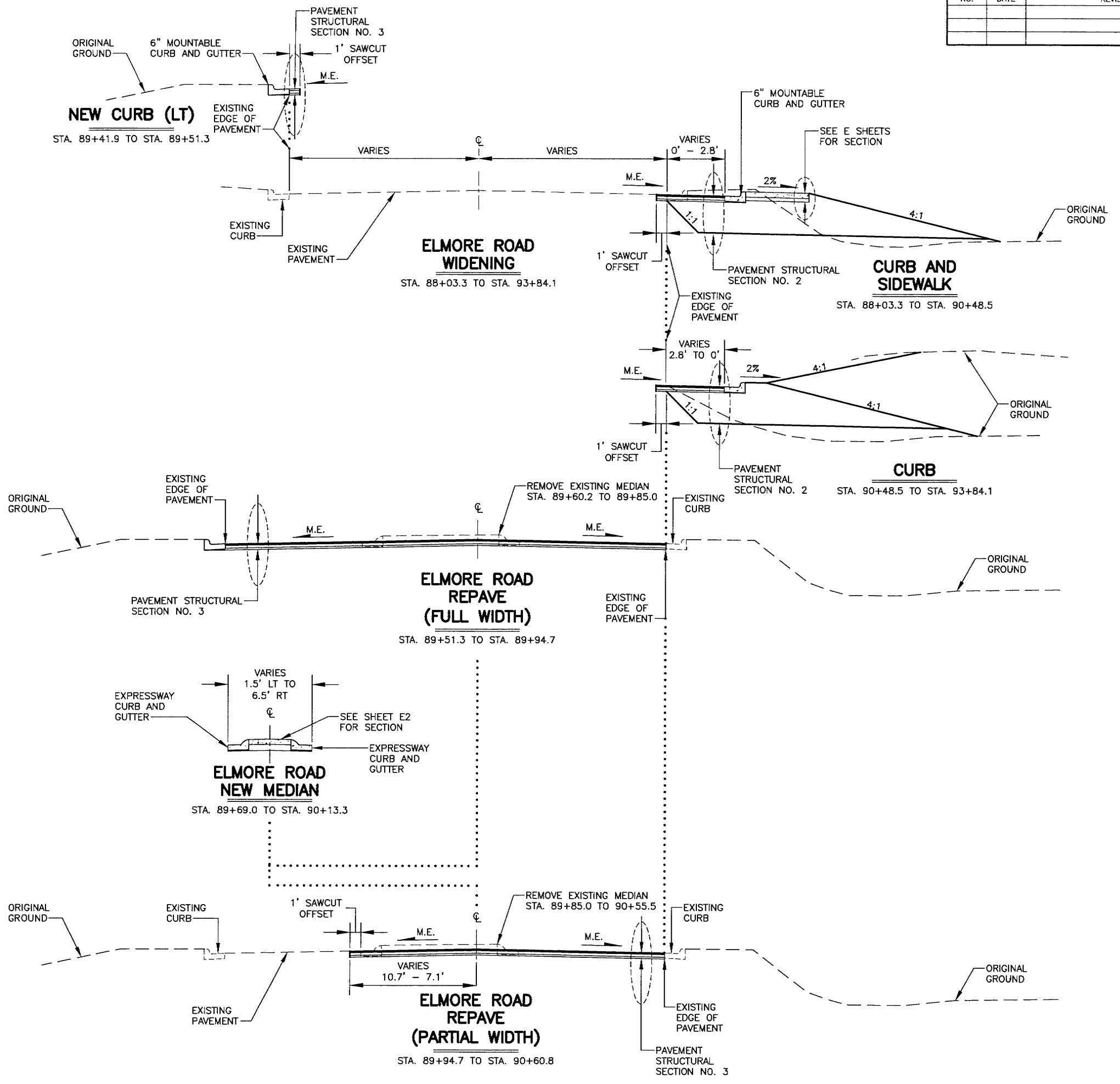
**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**

**BLM ROAD TYPICAL
SECTIONS**

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

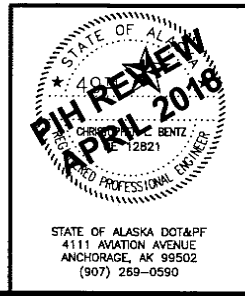
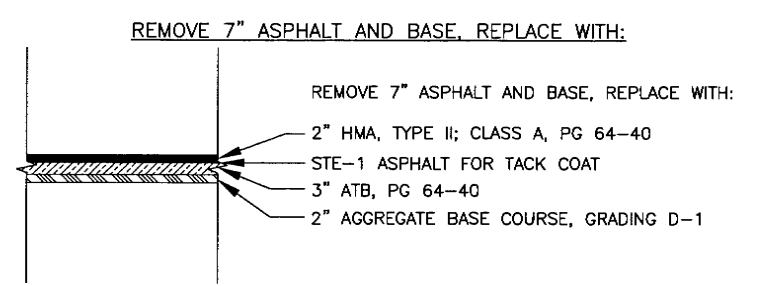
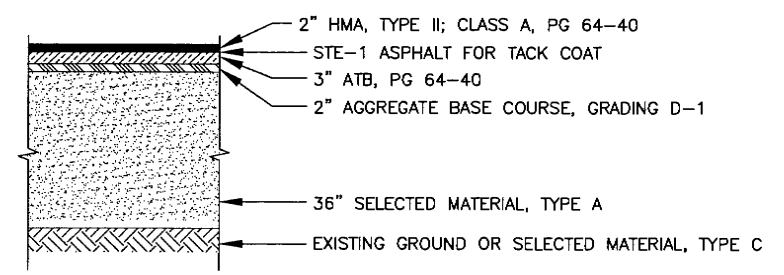
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	B2	B3



NOTE:

- SEE GRADING SHEETS FOR MEDIAN LAYOUT DETAILS.
- WITHIN TWO (2) DAYS AFTER PAVING, PLACE AGGREGATE BASE COURSE, GRADING D-1 AGAINST PAVEMENT EDGE TO ENSURE THERE IS NO VERTICAL DROP AT THE EDGE OF PAVEMENT. USE APPROVED TRAFFIC CONTROL DEVICES IN THE INTERIM.



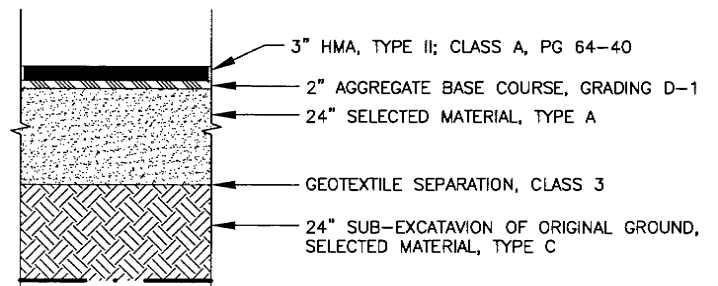
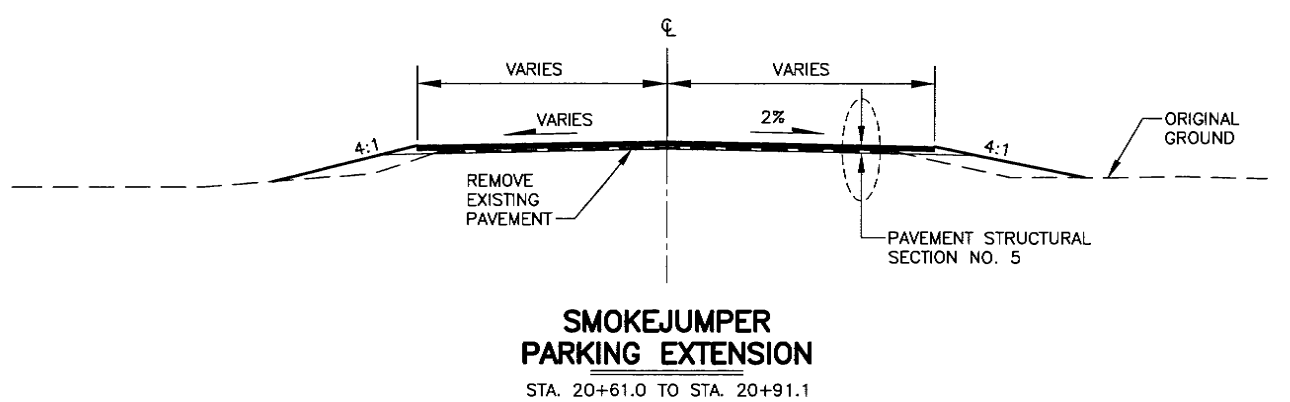
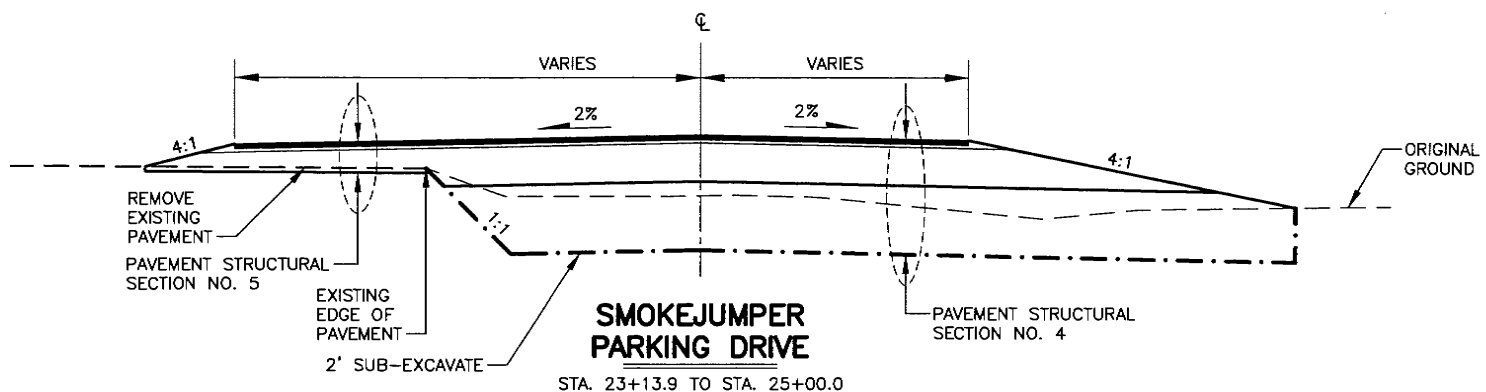
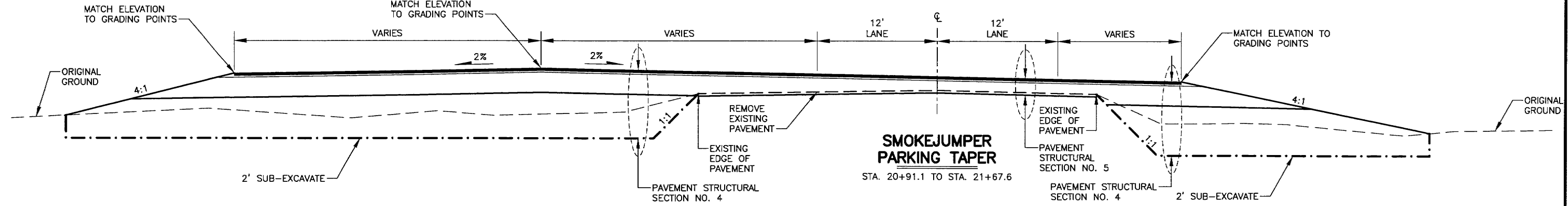
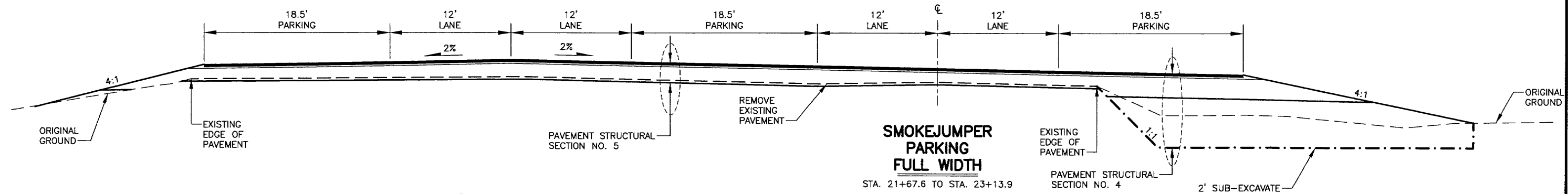
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

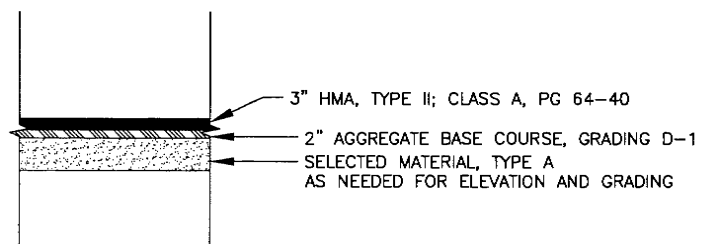
**ELMORE ROAD TYPICAL
 SECTIONS**

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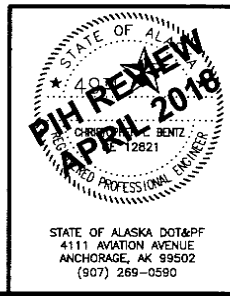
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY0260	2018	B3	B3



PAVEMENT STRUCTURAL SECTION NO. 4



PAVEMENT STRUCTURAL SECTION NO. 5



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)

SMOKEJUMPER PARKING
TYPICAL SECTIONS

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/ CFHWY00260	2018	C1	C1

ESTIMATE OF QUANTITIES				
ITEM NO.	SSHC 2017 NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
201.0003.0000	201(3A)	CLEARING AND GRUBBING	ACRE	3
202.0001.0000	202(1)	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	ALL REQ'D
202.0002.0000	202(2)	REMOVAL OF PAVEMENT	S.Y.	593
202.0003.0000	202(3)	REMOVAL OF SIDEWALK	S.Y.	219
202.2028.0000	202(5A)	ABANDON STORM DRAIN PIPE IN PLACE	L.F.	77
202.0008.0000	202(8)	REMOVAL OF INLET	EACH	1
202.0009.0000	202(9)	REMOVAL OF CURB AND GUTTER	L.F.	948
202.2027.0000	202(99)	RELOCATE PRIVATE SIGN	L.S.	ALL REQ'D
203.0003.0000	203(3)	UNCLASSIFIED EXCAVATION	C.Y.	6013
203.0006.0000	203(6)	BORROW	TON	10600
203.0009.0000	203(9)	OBLITERATION OF ROADWAY	S.Y.	515
301.0001.00D1	301(1)	AGGREGATE BASE COURSE, GRADING D-1	TON	1100
306.0001.0000	306(1)	ATB	TON	400
306.0002.6440	306(2)	ASPHALT BINDER, GRADE PG 64-40	TON	22
401.0001.002A	401(1A)	HMA, TYPE II; CLASS A	TON	1150
401.0004.6440	401(4)	ASPHALT BINDER, GRADE PG 64-40	TON	61
401.0015.0000	401(15)	ASPHALT MATERIAL PRICE ADJUSTMENT	C.S.	ALL REQ'D
603.0017.0024	603(17-24)	24 INCH PIPE	L.F.	74
603.0020.0024	603(20-24)	END SECTION FOR 24 INCH PIPE	EACH	2
604.0004.0000	604(4)	ADJUST EXISTING MANHOLE	EACH	2
608.0001.0004	608(1A)	CONCRETE SIDEWALK, 4 INCHES THICK	S.Y.	282
608.0006.0000	608(6)	CURB RAMP	EACH	7
608.2013.0004	608(13E)	CONCRETE (SLABS), TYPE V, 4 INCHES THICK, COLORED AND PATTERN IMPRINTED	S.Y.	37
609.0002.0001	609(2)	CURB AND GUTTER, TYPE 1	L.F.	889
610.0002.0000	610(2)	DITCH LINING	TON	591
615.0001.0000	615(1)	STANDARD SIGN	S.F.	187
615.0005.0000	615(5)	DELINEATOR, FLEXIBLE	EACH	4
618.0002.0000	618(2)	SEEDING	LBS	54
620.0001.0000	620(1)	TOPSOIL	S.Y.	8643
621.0001.0000	621(1)	TREE	EACH	6
627.0006.0000	627(6)	FIRE HYDRANT RELOCATION	EACH	1
627.0010.0000	627(10)	ADJUSTMENT OF VALVE BOX	EACH	3
630.0001.0000	630(1)	GEOTEXTILE, SEPARATION	S.Y.	3468
633.0001.0000	633(1)	SILT FENCE	L.F.	3000
639.2001.0000	639(6)	APPROACH	EACH	1
640.0001.0000	640(1)	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D
641.0001.0000	641(1)	EROSION, SEDIMENT AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQ'D
641.0002.0000	641(2)	TEMPORARY EROSION, SEDIMENT AND POLLUTION CONTROL	C.S.	ALL REQ'D
641.0006.0000	641(6)	WITHHOLDING	C.S.	ALL REQ'D
641.0007.0000	641(7)	SWPPP MANAGER	L.S.	ALL REQ'D

ESTIMATE OF QUANTITIES				
ITEM NO.	SSHC 2017 NO.	ITEM DESCRIPTION	PAY UNIT	TOTAL QUANTITY
642.0001.0000	642(1)	CONSTRUCTION SURVEYING	L.S.	ALL REQ'D
642.0003.0000	642(3)	THREE PERSON SURVEY PARTY	HOUR	60
643.0002.0000	643(2)	TRAFFIC MAINTENANCE	L.S.	ALL REQ'D
643.0003.0000	643(3)	PERMANENT CONSTRUCTION SIGNS	L.S.	ALL REQ'D
643.0032.0000	643(15A)	FLAGGING	C.S.	ALL REQ'D
643.0023.0000	643(23)	TRAFFIC PRICE ADJUSTMENT	C.S.	ALL REQ'D
643.0025.0000	643(25)	TRAFFIC CONTROL	C.S.	ALL REQ'D
644.0001.0000	644(1)	FIELD OFFICE	L.S.	ALL REQ'D
644.2004.0000	644(10)	ENGINEERING COMMUNICATIONS	C.S.	ALL REQ'D
645.0001.0000	645(1)	TRAINING PROGRAM, X TRAINEES / APPRENTICES	LABOR HOUR	XXX
646.0001.0000	646(1)	CPM SCHEDULING	L.S.	ALL REQ'D
647.2002.0000	647(5)	BACKHOE, 4WD, 1 CY BUCKET, 75 HP MIN, 15 FT DEPTH	C.S.	ALL REQ'D
660.0001.0000	660(1)	TRAFFIC SIGNAL SYSTEM COMPLETE	L.S.	ALL REQ'D
660.0007.0000	660(7)	TEMPORARY SIGNAL SYSTEM COMPLETE	C.S.	ALL REQ'D
660.2008.0000	660(11A)	TRAFFIC LOOP, REPLACEMENT	C.S.	ALL REQ'D
670.0001.0000	670(1)	PAINTED TRAFFIC MARKINGS	L.S.	ALL REQ'D
670.2000.0000	670(10)	MMA PAVEMENT MARKINGS	L.S.	ALL REQ'D
682.0001.0000	682(1)	VAC-TRUCK POTHOLE	C.S.	ALL REQ'D

TABLE OF ESTIMATING FACTORS		
ITEM NO.	ITEM DESCRIPTION	UNIT
301(1)	AGGREGATE BASE COURSE, GRADING D-1	144 LB./FT. ³
306(1)	ATB	151 LB./FT. ³
306(2)	ASPHALT BINDER, GRADE PG 64-40	5.3% OF TOTAL WEIGHT OF 306(1)
401(1A)	HMA, TYPE II; CLASS A	151 LB./FT. ³
401(4)	ASPHALT BINDER, GRADE PG 64-40	5.3% OF TOTAL WEIGHT OF 401(1A)



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ESTIMATE OF QUANTITIES

FILE T:\PROJECTS\ANCHORAGE\CFHWY00260_CTF_BLM_REL\CON\016\PLANS\01\01\SUM_FINAL.DWG
 DATE/TIME 4/27/2018 2:43 PM LAYOUT D1 DESIGNED LAS CHECKED CLB DRAFTED MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/ CFHWY00260	2018	D1	D4

201(3A)

CLEARING AND GRUBBING				
SHEET	STATION		AREA (ACRES)	REMARKS
	FROM	TO		
F1-F3	"ELM" 86+87	"ELM" 93+84.1	1	
F4-F7	"BLM" 23+10	"BLM" 31+61.0	2	
TOTAL:			3	
PAY ITEM QUANTITY:			3	

202(1)

REMOVAL OF STRUCTURES AND OBSTRUCTIONS					
SHEET	STATION	OFFSET	STATION	OFFSET	REMARKS
F2	"ELM" 88+96.8	RT	"ELM" 89+39.5	RT	FENCE (LENGTH 43 FT)
F6-F7	"SJP" 21+51.0	LT	"SJP" 23+26.3	LT	FENCE (LENGTH 223 FT)

202(99)

RELOCATE PRIVATE SIGN					
SHEET	STATION	OFFSET	STATION	OFFSET	REMARKS
F1	"ELM" 86+19.3	47.104	TO BE DETERMINED	RT	BLM ROAD PRIVATE SIGN.

202(2)

REMOVAL OF PAVEMENT AND PAVEMENT PLANING				
SHEET	STATION		202(2)	REMARKS
	FROM	TO	REMOVAL OF PAVEMENT (SY)	
F2-F3	"ELM" 88+03.3	"ELM" 93+84.1	593	FURTHER INFORMATION CAN BE FOUND ON SHEET F2.
TOTAL:			593	
PAY ITEM QUANTITY:			593	

202(3), 608(1A)

REMOVAL AND INSTALLATION OF SIDEWALK					
SHEET	STATION		202(3)	608(1A)	REMARKS
	FROM	TO	REMOVAL OF SIDEWALK (SY)	CONCRETE SIDEWALK, 4" THICK (SY)	
F1-F2	"ELM" 87+03.8	"ELM" 88+09.3	12		
F2	"ELM" 88+09.3	"ELM" 88+98.9	60	144	
F2	"ELM" 88+98.9	"ELM" 89+40.7	12		
F2	"ELM" 89+40.7	"ELM" 90+21.5	59	138	
F2	"ELM" 90+21.5	"ELM" 91+02.7	76		
TOTAL:			219	282	
PAY ITEM QUANTITY:			219	282	



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SUMMARY TABLES

STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
 (907) 269-0590

FILE: T:\PROJECTS\ANCHORAGE\CFHWY00260 CTF BLM REALIGN\DWG\16 PLANSET\16 SHEETS\12345.DOT_SUM_FINAL.DWG
 DATE/TIME: 4/27/2018 2:43 PM LAYOUT: D2 DESIGNED: LAS CHECKED: CLB DRAFTED: MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/ CFHWY00260	2018	D2	D4

203(9)

OBLITERATION OF ROADWAY						
SHEET	FROM		TO		AREA (SY)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1	"ELM" 86+17	RT	"ELM" 87+12	RT	276	
F6-F7	"SJP" 23+14	LT	"SJP" 24+44	LT	239	
TOTAL:					515	
PAY ITEM QUANTITY:					515	

**603(17-24),
603(20-24), 202(5A)**

PIPE SUMMARY										
SHEET	INLET			OUTLET			SIZE (INCH)	LENGTH (FEET)	END SECTION	REMARKS
	STATION	OFFSET	ELEV.	STATION	OFFSET	ELEV.				
F2	"ELM" 86+38.2	RT	193.820	"ELM" 89+24.61	LT	192.830	12	77		P-385, ABANDON/FILL IN PLACE
F4	"BLM" 23+55.17	LT	195.020	"BLM" 23+55.71	RT	195.380	24	74	2	P1-1

**604(4), 202(8),
627(6), 627(10)**

MANHOLE, INLET AND VALVE BOX SUMMARY							
SHEET	STATION	OFFSET	604(4)	202(8)	627(6)	627(10)	REMARKS
			ADJUST EXISTING MANHOLE (EACH)	REMOVE INLET (EACH)	FIRE HYDRANT RELOCATION (EACH)	ADJUSTMENT OF VALVE BOX (EACH)	
F1	"ELM" 86+73.14	30.651				1	
F2	"ELM" 89+38.09	22.372		1			STRUCTURE NAME "S-395"
F4	"BLM" 22+19.72	-21.849				1	
F5	"BLM" 30+98.03	6.215	1				SANITARY SEWER
F6	"SJP" 21+24.21	6.328	1				SANITARY SEWER
F7	"SJP" 24+46.05	32.435				1	TIES TO FIRE HYDRANT
F7	"SJP" 24+48.25	37.166			1		SEE DETAIL E9 FOR MORE INFORMATION
PAY ITEM QUANTITY:			2	1	1	3	



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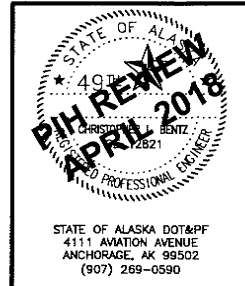
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			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	D3	D4

608(6)					
CURB RAMP					
SHEET	STATION	OFFSET	QUANTITY	TYPE	REMARKS
F2	"ELM" 87+82.2	LT	1	BIKE LANE ENTRANCE RAMP	
F2	"ELM" 88+03.3	RT	1	BIKE LANE EXIT RAMP	
F2	"ELM" 89+53.3	LT	1	PERPENDICULAR	
F2	"ELM" 88+04.1	RT	1	PERPENDICULAR	
F2	"ELM" 89+45.9	RT	1	PERPENDICULAR	
F2	"ELM" 89+58.4	RT	1	PERPENDICULAR	
F2	"ELM" 90+27.5	RT	1	BIKE LANE ENTRANCE RAMP	
PAY ITEM QUANTITY:			7		

202(9), 608(13E), 609(2)								
CURB AND GUTTER SUMMARY								
SHEET	FROM		TO		202(9)	609(2)	608(13E)	REMARKS
	STATION	OFFSET	STATION	OFFSET	REMOVAL OF CURB & GUTTER (LF)	CURB & GUTTER TYPE 1 (LF)	PATTERNED CONCRETE (SY)	
F1	"ELM" 86+84.8	RT	"ELM" 87+12.1	RT	51			EXISTING BLM RD APPROACH
F2	"ELM" 87+76.2	LT	"ELM" 88+03.2	LT	27	27		BIKE RAMP
F1-F2	"ELM" 88+03.3	RT	"ELM" 89+00.4	RT	117	130		CURB WITH NEW 40' RADIUS
F2	"ELM" 89+00.4	RT	"ELM" 89+39.2	RT	39			THROUGH NEW APPROACH
F2	"ELM" 89+39.2	RT	"ELM" 93+84.1	RT	443	462		CURB WITH NEW 40' RADIUS
F2	"ELM" 89+41.9	LT	"ELM" 89+94.7	LT	71	71		E 68TH AVE CURB RADIUS 30'
F2	"ELM" 89+60.4	LT/RT	"ELM" 90+54.9	LT/RT	200			EXISTING ELMORE MEDIAN
F2	"ELM" 89+69.0	RT	"ELM" 90+13.3	RT		89	15	ELMORE MEDIAN
F4	"BLM" 23+77.2	LT	"BLM" 23+81.8	LT		110	22	BLM MEDIAN
TOTAL:					948.0	889.0	37.0	
PAY ITEM QUANTITY:					948.0	889.0	37.0	

618(2)					
SEEDING					
SHEET	STATION		OFFSET	WEIGHT (LB)	REMARKS
	FROM	TO			
F1-F3	"ELM" 85+50.0	"ELM" 93+84.1	RT	34	USE WETLAND MIX DESIGN
F4-F7	"BLM" 23+00	"BLM" 31+61	LT/RT	20	USE WETLAND MIX DESIGN
TOTAL:				54.0	
PAY ITEM QUANTITY:				54.0	

615(5)				
DELINEATOR, FLEXIBLE				
SHEET	STATION	OFFSET	QUANTITY	REMARKS
F2	"ELM" 89+69.7	RT	1	SEE MEDIAN DETAIL SHEET FOR MORE INFO.
F2	"ELM" 90+12.5	RT	1	SEE MEDIAN DETAIL SHEET FOR MORE INFO.
F4	"BLM" 23+27.9	LT	1	SEE MEDIAN DETAIL SHEET FOR MORE INFO.
F4	"BLM" 23+81.1	LT	1	SEE MEDIAN DETAIL SHEET FOR MORE INFO.
PAY ITEM QUANTITY:			4	



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 ANCHORAGE, AK 99502
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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610(2)

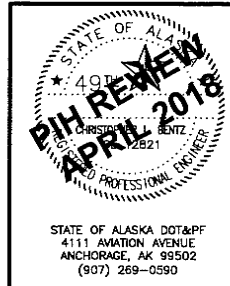
DITCH LINING						
SHEET	FROM		TO		DITCH LINING (TON)	REMARKS
	STATION	OFFSET	STATION	OFFSET		
F1-F2	"ELM" 86+84.6	RT	"ELM" 88+68.1	RT	160	
F4	"BLM" 23+12.8	LT	"BLM" 25+00.0	LT	216	
F4	"BLM" 23+09.0	RT	"BLM" 25+00.0	RT	215	
TOTAL:					591	
PAY ITEM QUANTITY:					591	

630(1)

GEOTEXTILE, SEPARATION				
SHEET	STATION		AREA (SY)	REMARKS
	FROM	TO		
F6-F7	"SJP" 20+61.1	"SJP" 24+79.2	3468	
TOTAL:			3468	
PAY ITEM TOTAL:			3468	

639(6)

APPROACH SUMMARY									
SHEET	STATION	OFFSET	RADIUS	TYPE			WIDTH (FT)	LENGTH (FT)	REMARKS
				PUB.	RES.	COM.			
F5	"BLM" 30+75.3	LT	30'/30'	1			81	47	SCIENCE CENTER DRIVE
TOTAL:				1					
PAY ITEM QUANTITY:				1					



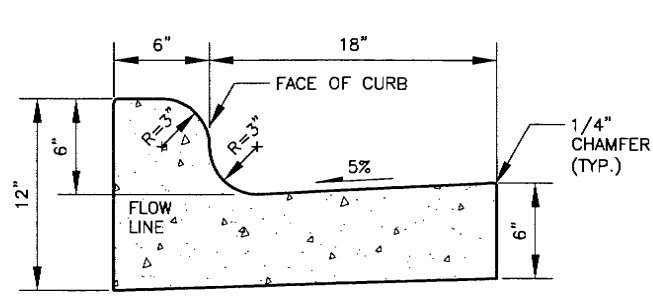
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)

SUMMARY TABLES

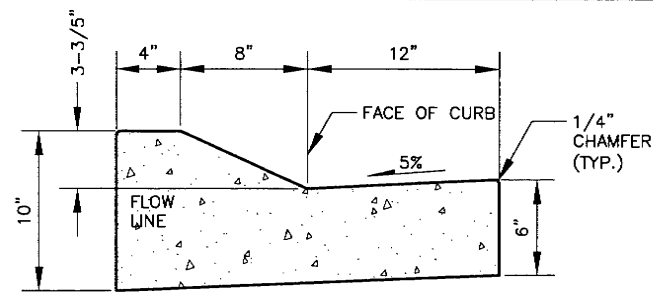
STATE OF ALASKA DOT&PF
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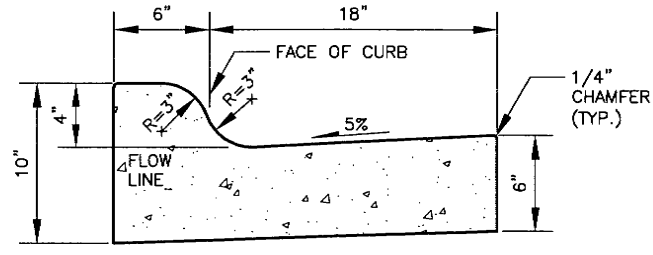
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	E1	E9



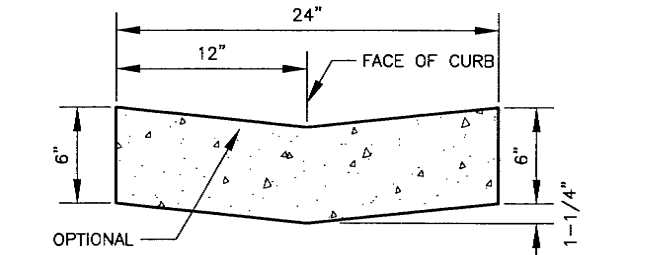
6" MOUNTABLE CURB & GUTTER



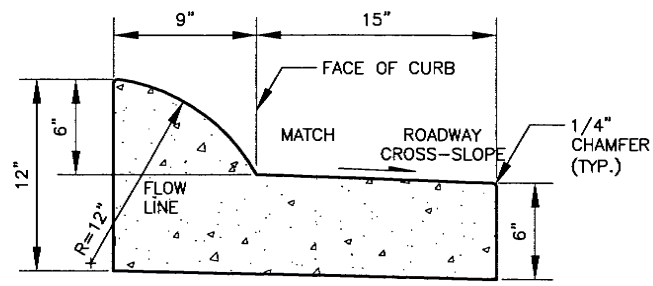
LOW PROFILE CURB & GUTTER



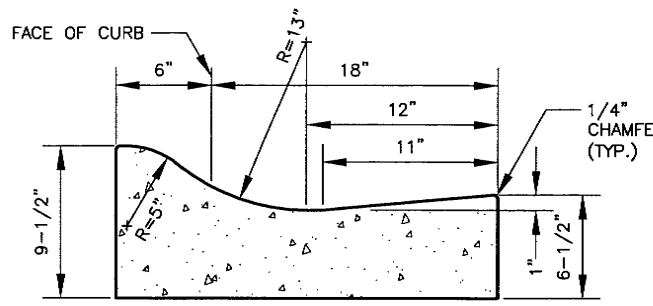
4" MOUNTABLE CURB & GUTTER



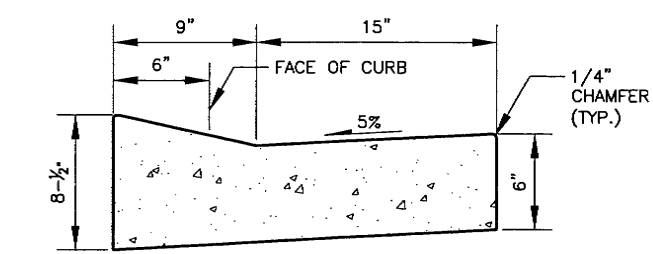
GUTTER



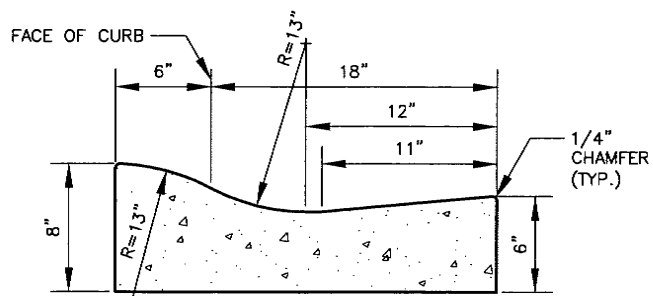
EXPRESSWAY CURB & GUTTER (MEDIAN)



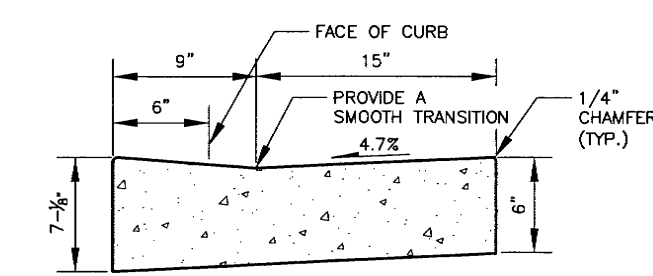
ROUNDABOUT TRUCK APRON CURB & GUTTER



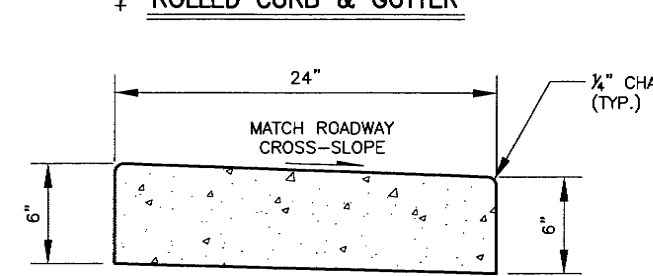
DEPRESSED CURB & GUTTER (CURB CUT)



ROLLED CURB & GUTTER



ADA CURB & GUTTER

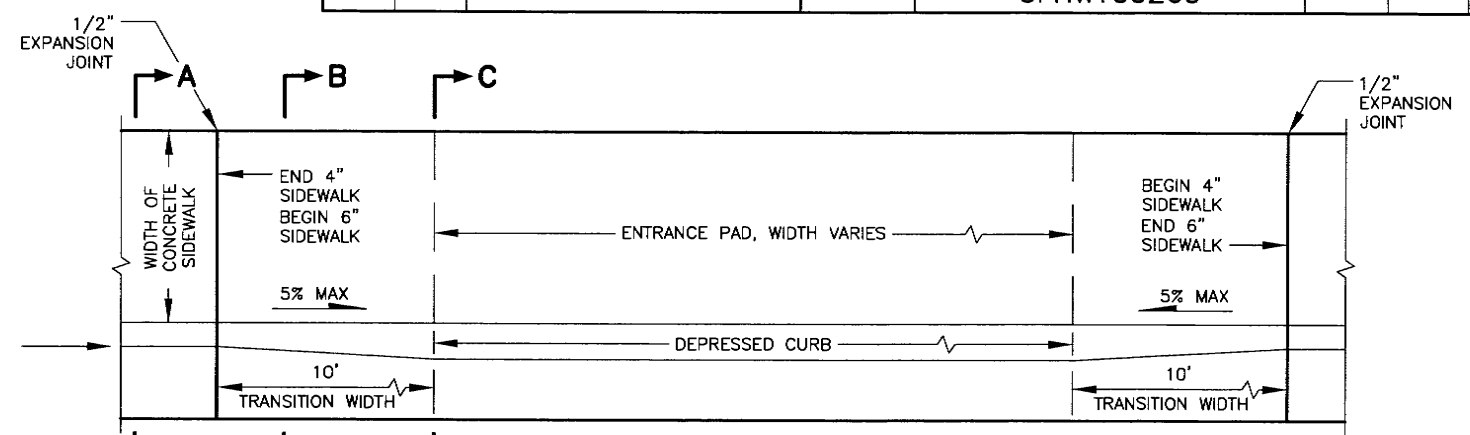


FLUSH MEDIAN CURB

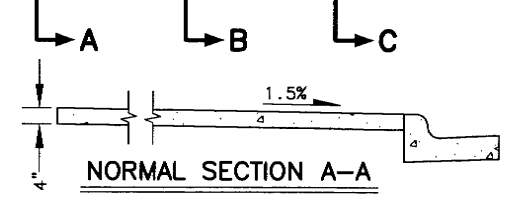
CURBS

CURB NOTES:

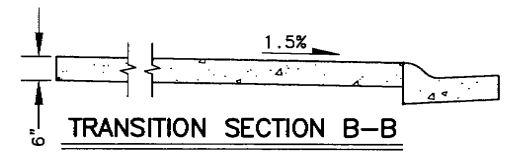
- MOUNTABLE, DEPRESSED, ROLLED, AND EXPRESSWAY GUTTER PANS SHALL MATCH THE ROADWAY CROSS SLOPE IN THE HIGH SIDE OF SUPER ELEVATED AREAS.
- USE THE CURB RAMP CURB & GUTTER FOR ALL CURB RAMPS.



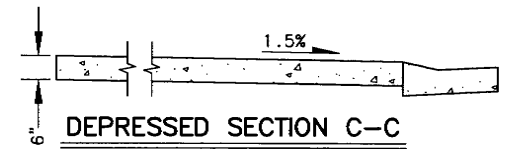
PLAN



NORMAL SECTION A-A



TRANSITION SECTION B-B

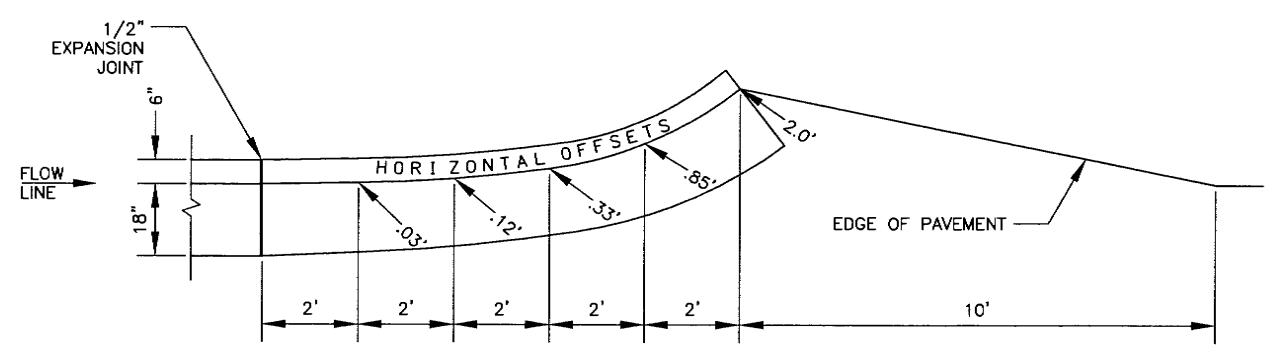


DEPRESSED SECTION C-C

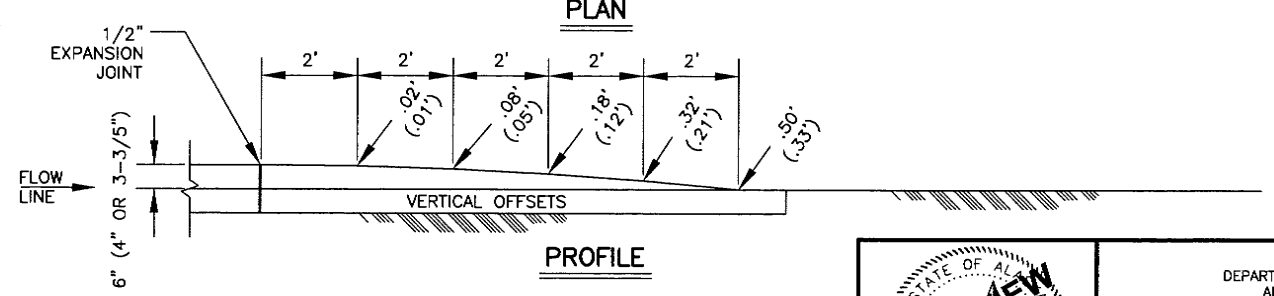
CURB CUT NOTES:

- TRANSITION WIDTH IS SHOWN FOR 6 INCH HIGH CURB & GUTTER.
- WHERE THE SIDEWALK SLOPE MAKES IT NECESSARY TO LENGTHEN A RAMP RUN TO AVOID EXCEEDING THE ALLOWABLE RAMP SLOPE, DO NOT EXCEED A RAMP LENGTH OF 15 FEET. THE SLOPE RESULTING FROM THAT RUN LENGTH IS ACCEPTABLE, EVEN IF IT EXCEEDS THE MAXIMUM SLOPE SHOWN.
- CONSTRUCT RAMP RUNS AND LANDINGS OF CONCRETE WHEN CONCRETE SIDEWALK IS PRESENT.
- PROVIDE A BROOMED FINISH ON CONCRETE RAMP RUNS PERPENDICULAR TO THE RAMP SLOPE.

VEHICULAR CURB CUT



PLAN

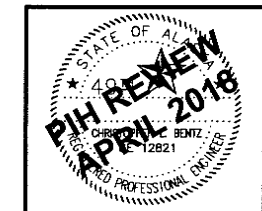


PROFILE

CURB & GUTTER TERMINATION TRANSITIONS

TERMINATION NOTES:

- NUMBERS IN PARENTHESIS ARE FOR 4 INCH MOUNTABLE AND LOW PROFILE CURB & GUTTER.



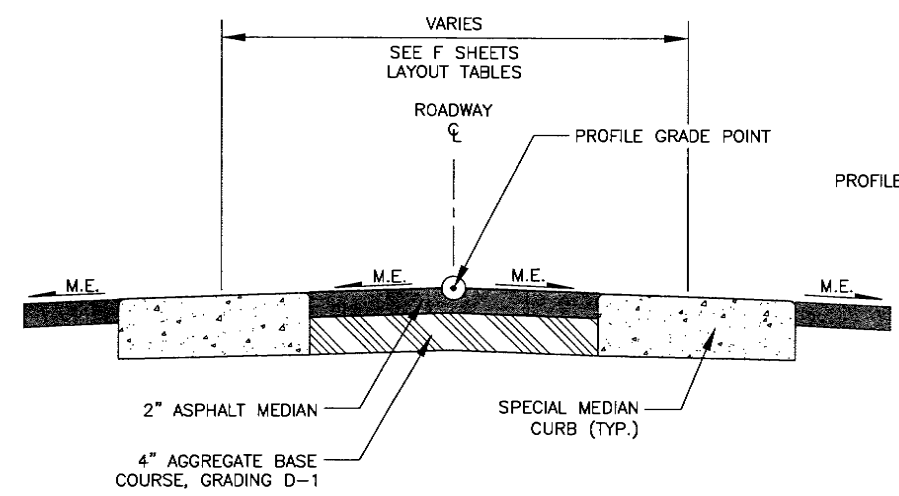
STATE OF ALASKA
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**CTF ALTERNATE ENTRANCE
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**CURB AND GUTTER
 DETAILS**

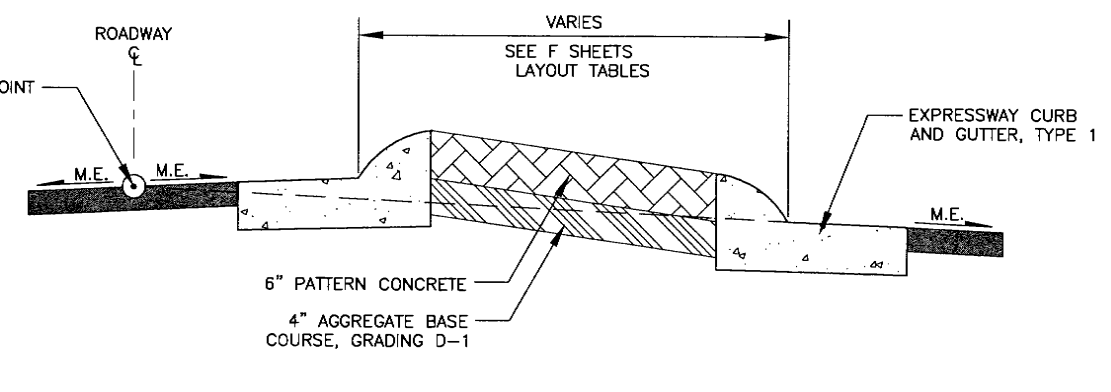
STATE OF ALASKA DOT&PF
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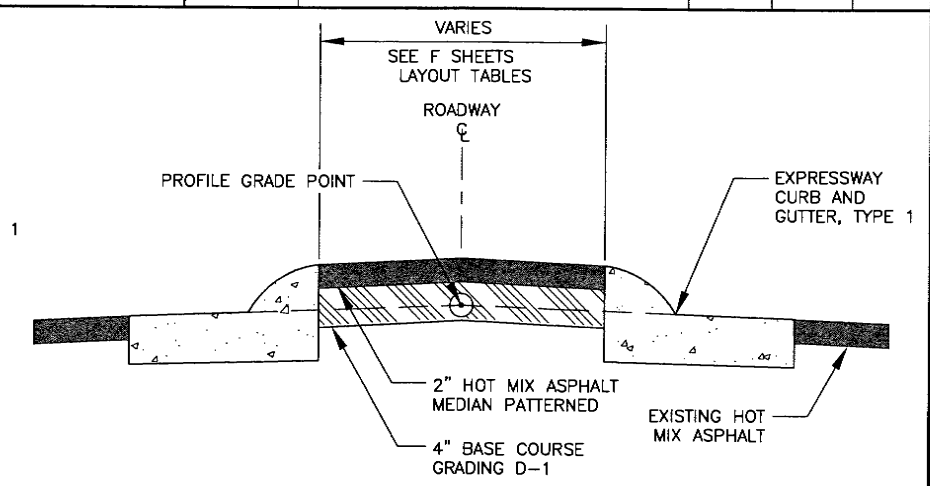
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	E2	E9



FLUSH MEDIAN



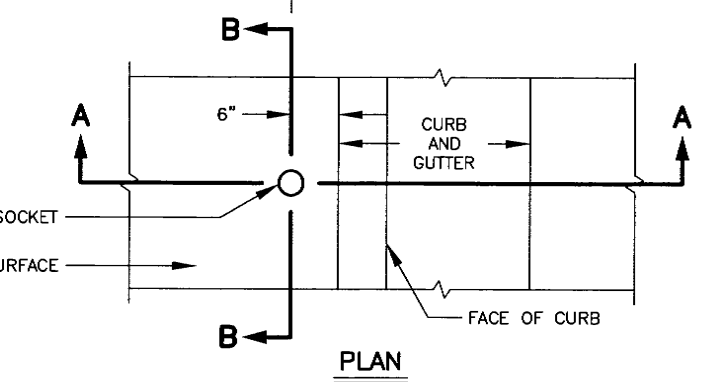
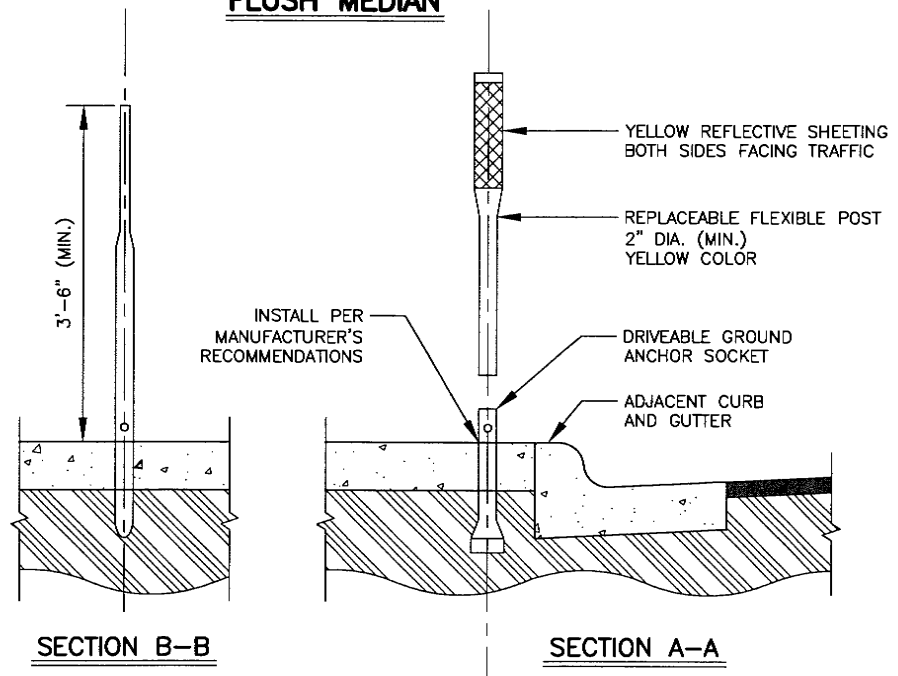
CONCRETE EXPRESSWAY RAISED MEDIAN



EXPRESSWAY RAISED MEDIAN

EXPRESSWAY MEDIAN NOTES:

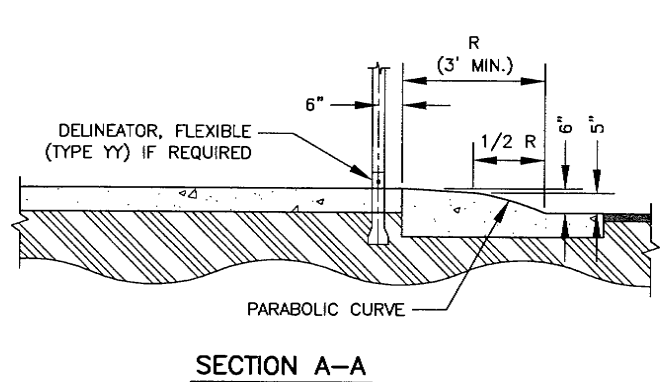
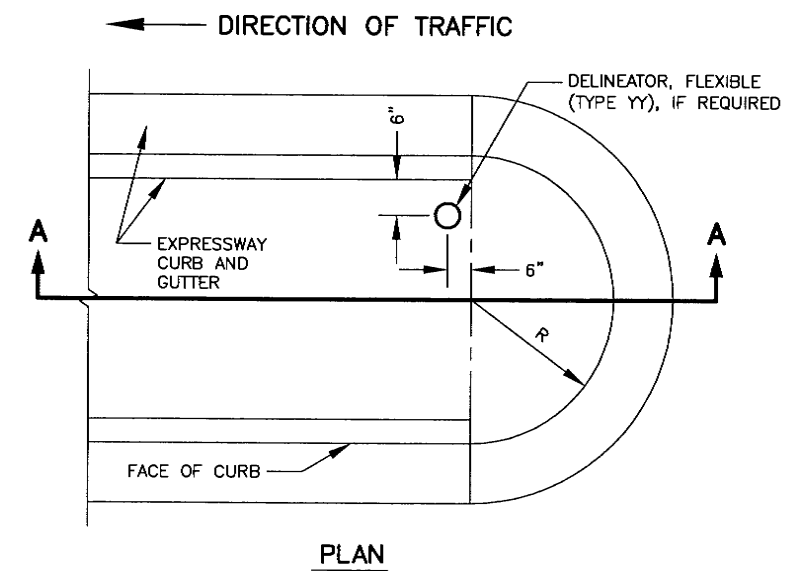
1. REBAR SHALL BE 60-INCHES O.C. EXCEPT AT ENDS OF MEDIANS WHERE SPACING SHALL BE 30-INCHES O.C.
2. EPOXY CEMENT SHALL NOT BE SUBSTITUTED FOR NO. 6 VERTICAL REBAR PINS.



FLEXIBLE DELINEATOR

DELINEATOR NOTES:

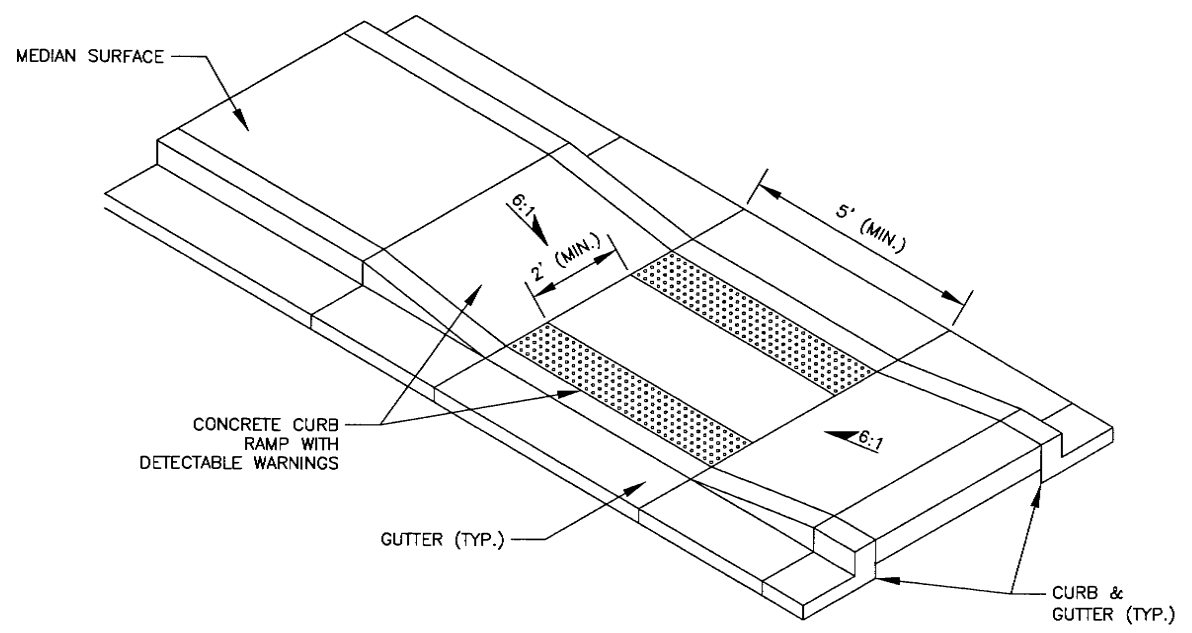
1. INSTALL DELINEATORS WHERE SHOWN IN THE SUMMARY TABLE, OR AS DIRECTED BY THE ENGINEER.
2. CENTER POINT OF THE DELINEATOR SHALL BE 6 INCHES FROM THE BACK OF CURB.
3. WHERE DELINEATORS ARE SET IN CONCRETE PAVEMENT, PLACE THEM IN EXPANSION JOINTS.



SLOPED MEDIAN NOSE

SLOPED MEDIAN NOTES:

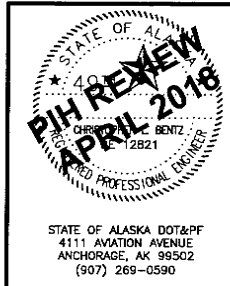
1. PAINT ALL SLOPED MEDIAN NOSES WITH YELLOW REFLECTORIZED PAINT. PAINT FOR NOSES IS SUBSIDIARY TO 670 ITEMS.
2. THE RADIUS DIMENSIONS PROVIDED IN THE PLANS ARE MEASURED TO LIP OF CURB. CONTRACTOR WILL NEED TO CALCULATE THE VALUE OF "R" FROM RADIUS DIMENSION AND CURB GEOMETRY.



RAISED MEDIAN CURB RAMP

RAISED MEDIAN NOTES:

1. INSTALL DETECTABLE WARNING TILES IN ACCORDANCE WITH STD. DWG I-21.

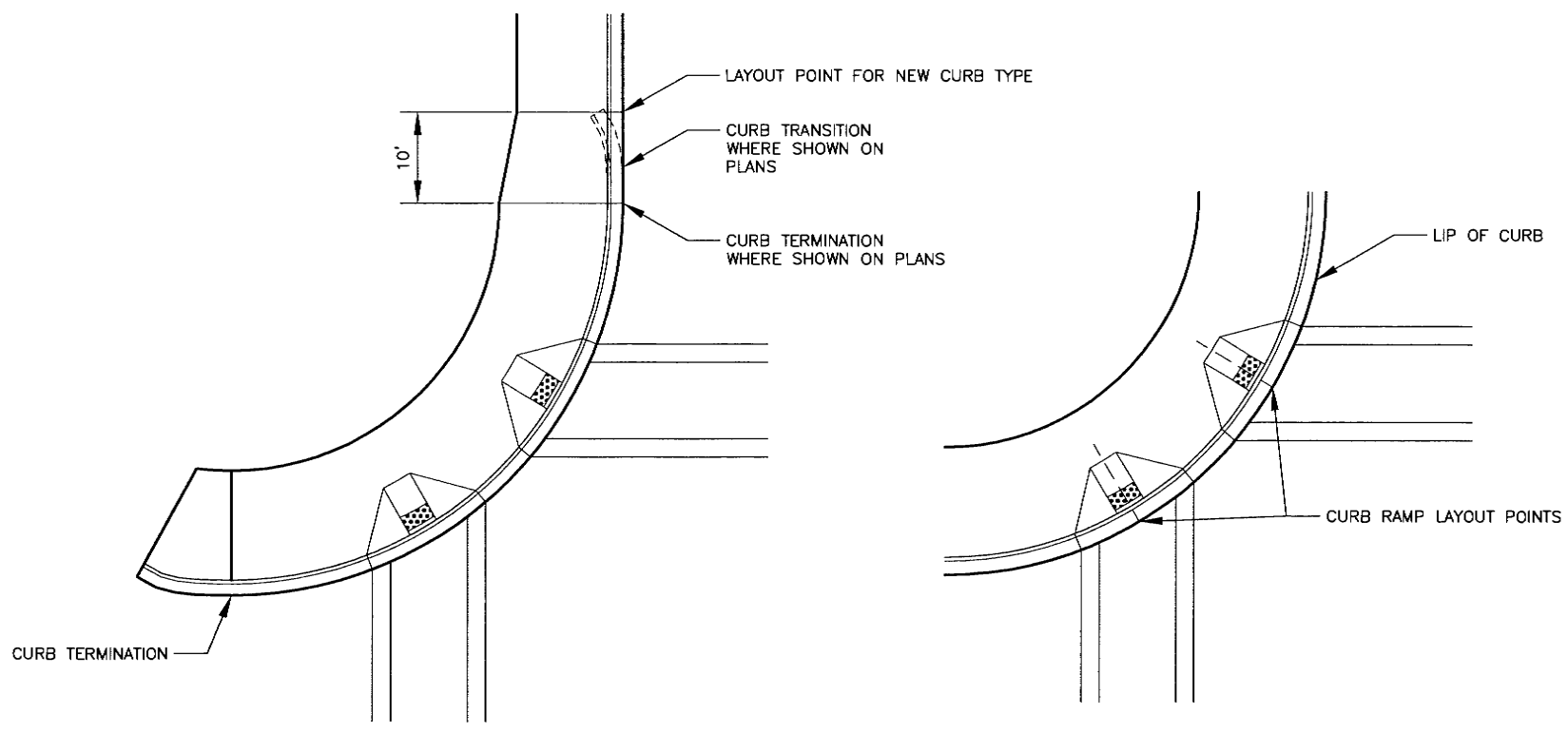


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**
 MEDIAN DETAILS

STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
 (907) 269-0590

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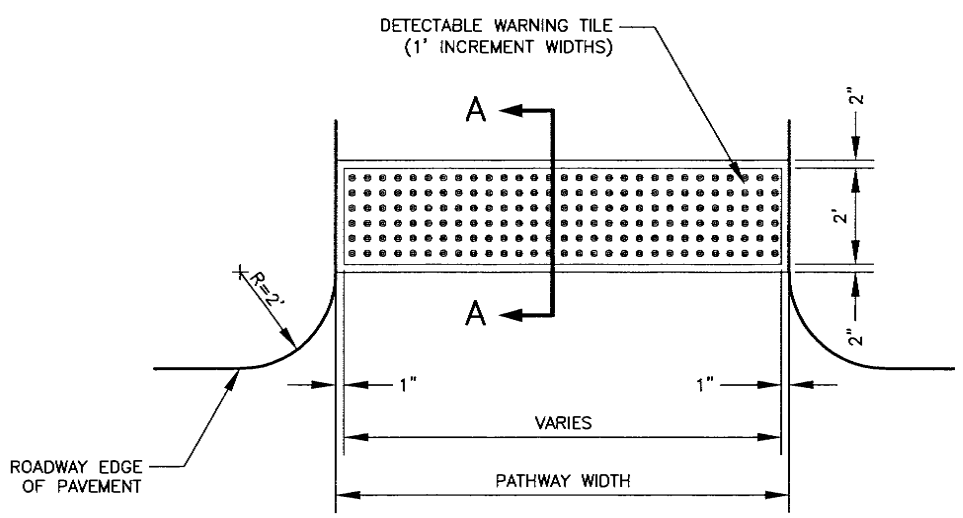
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			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	E3	E9



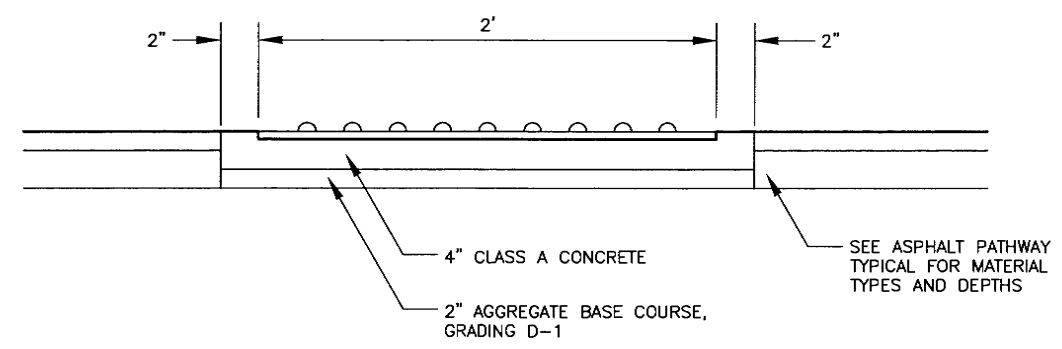
LOW PROFILE CURB AND GUTTER CURB RAMP LAYOUT

TYPICAL PERPENDICULAR CURB RAMP

CURB RAMPS



PLAN

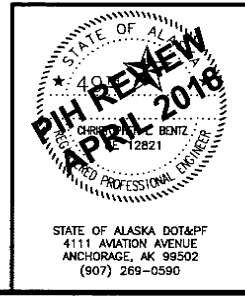


SECTION A-A

ASPHALT PATHWAY DETECTABLE WARNING TILE

ASPHALT PATHWAY NOTES:

1. SEE STD. DWG I-21 FOR ADDITIONAL REQUIREMENTS OF DETECTABLE WARNING TILES.



STATE OF ALASKA
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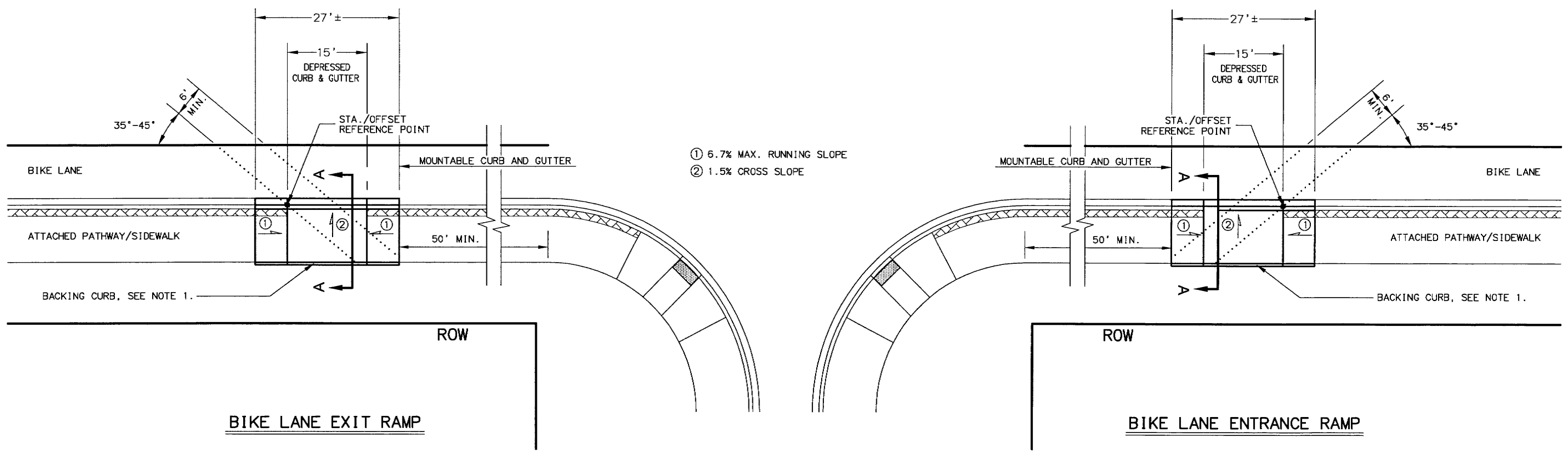
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

**CURB RAMP AND
 DETECTABLE WARNING TILE
 DETAILS**

STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
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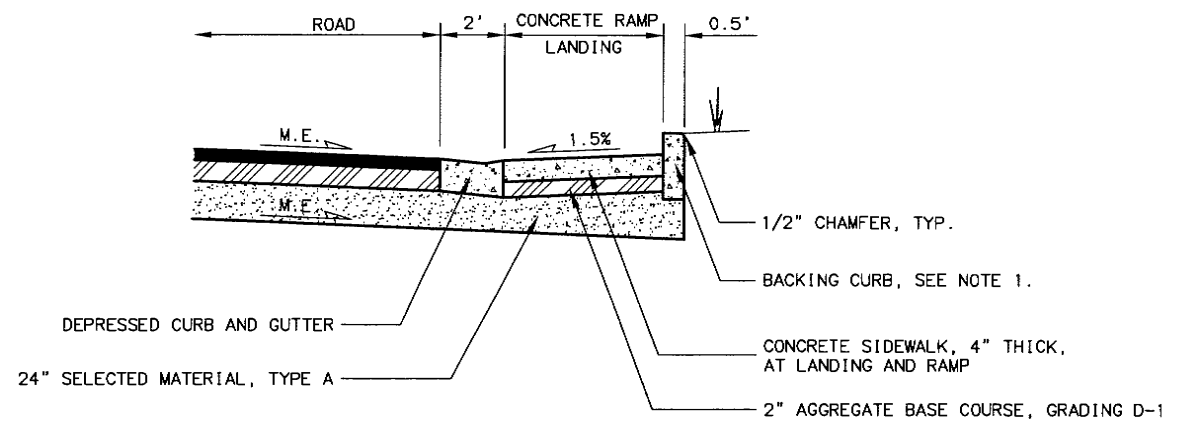
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 DESIGNED: LAS
 CHECKED: CLB
 DRAFTED: MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/ CFHWY00260	2018	E4	E9



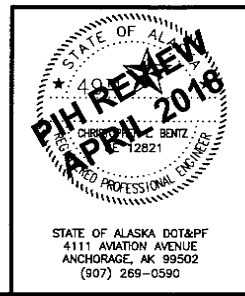
RAMP NOTES:

1. BACKING CURB MAY BE OMITTED AT THE DIRECTION OF THE ENGINEER. TAPER ENDS OF BACKING CURB.



SECTION A-A

BIKE RAMP - ATTACHED PATHWAY WITH CURB AND GUTTER



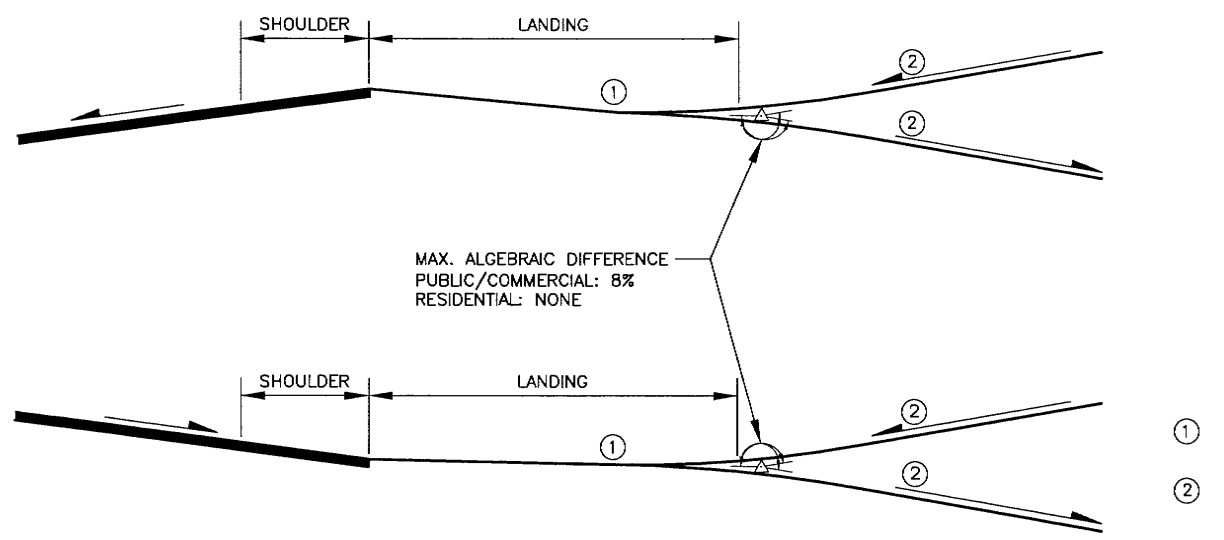
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

BIKE LANE RAMP DETAILS

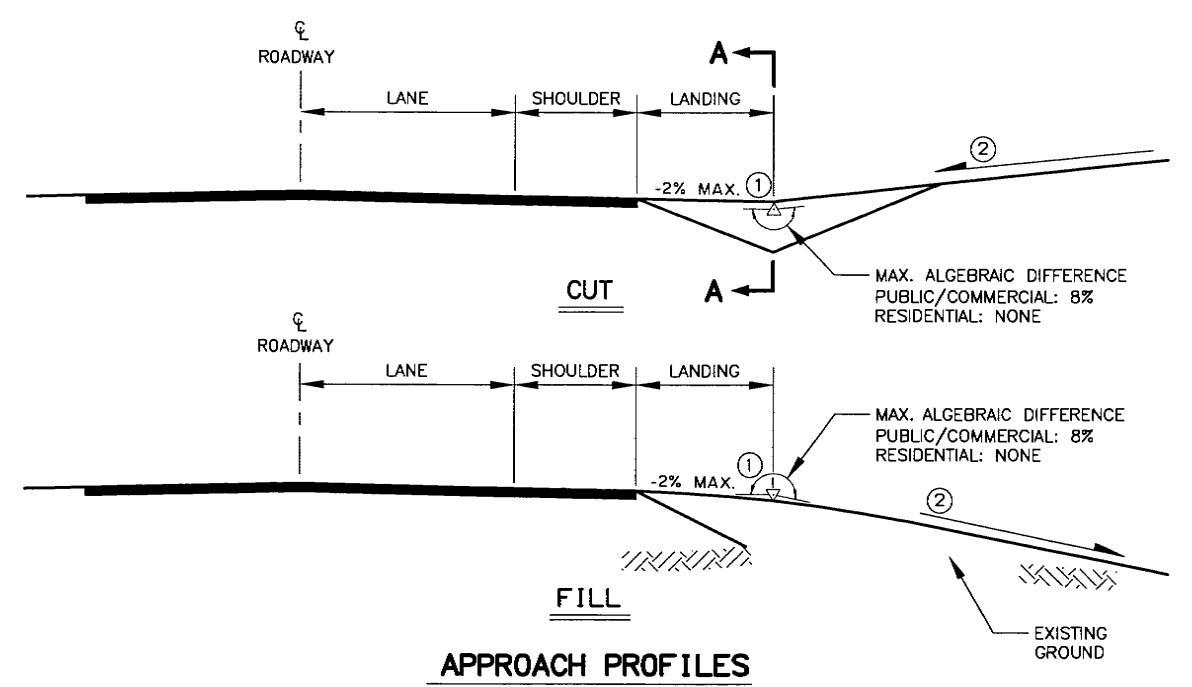
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 4111 AVIATION AVENUE
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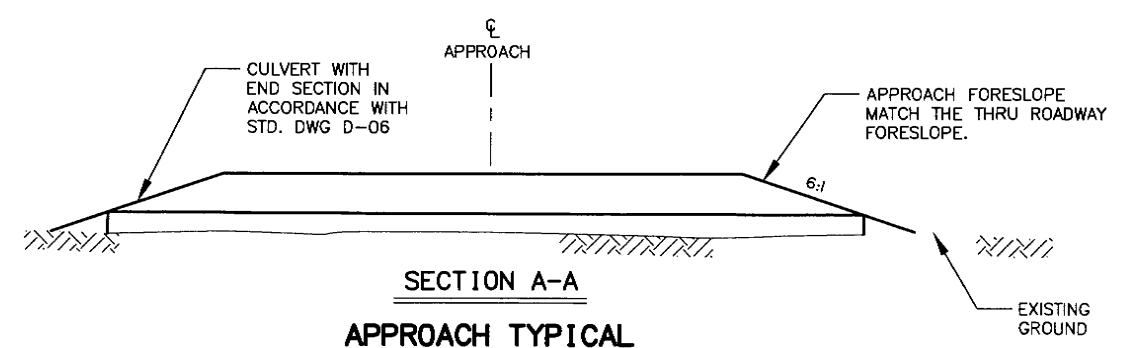
APPROACH PROFILES ON SUPER ELEVATED ROADWAY



APPROACH PROFILES

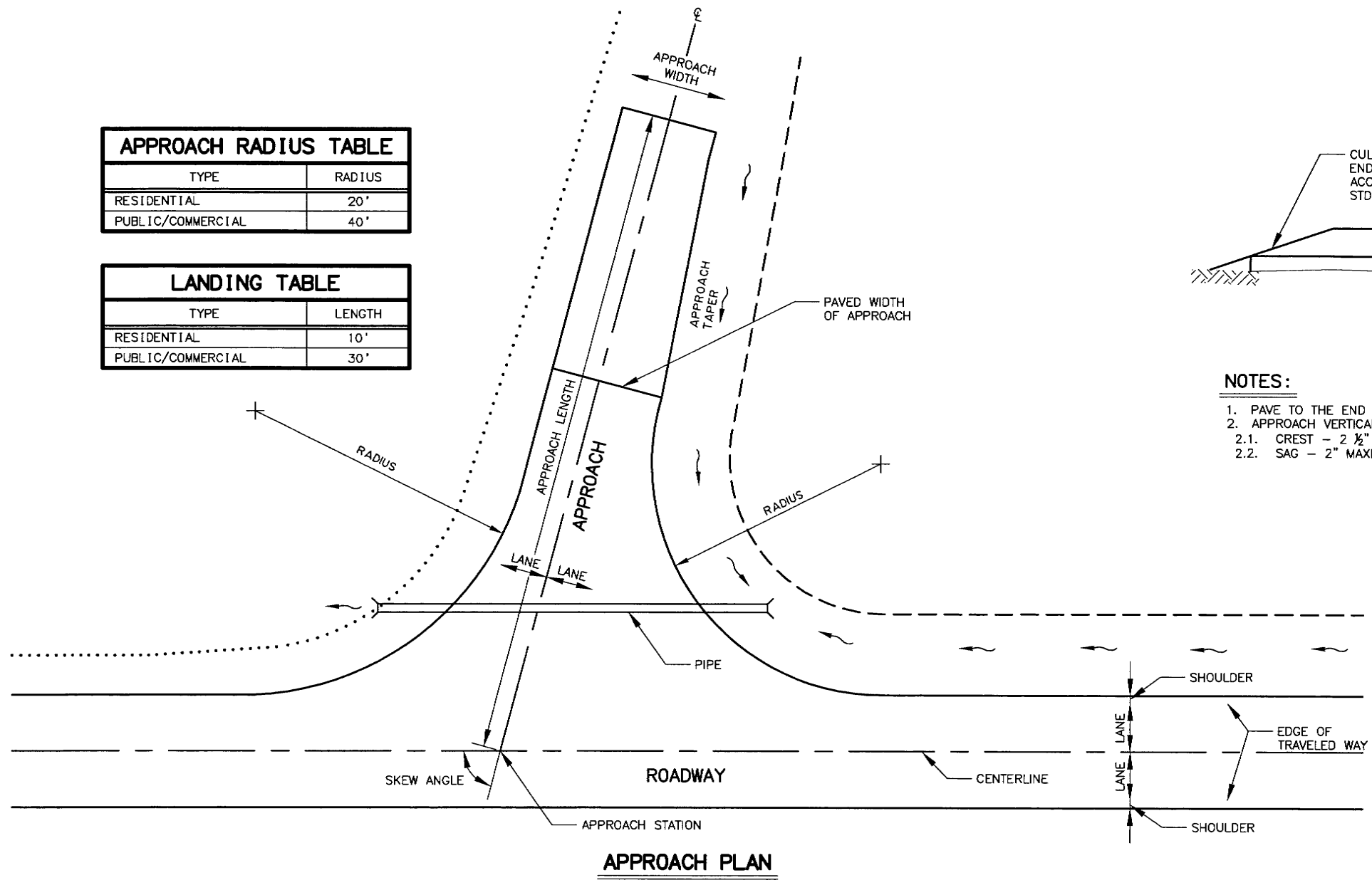
TYPE	RADIUS
RESIDENTIAL	20'
PUBLIC/COMMERCIAL	40'

TYPE	LENGTH
RESIDENTIAL	10'
PUBLIC/COMMERCIAL	30'

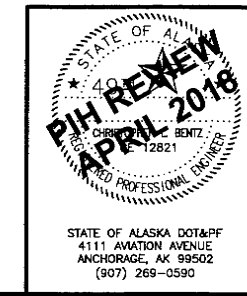


**SECTION A-A
APPROACH TYPICAL**

- NOTES:**
- PAVE TO THE END OF THE RADIUS RETURN UNLESS OTHERWISE INDICATED.
 - APPROACH VERTICAL CURVE REQUIREMENTS:
 - CREST - 2 1/2" MAXIMUM IN A 10 FOOT CHORD.
 - SAG - 2" MAXIMUM IN A 10 FOOT CHORD.



APPROACH PLAN



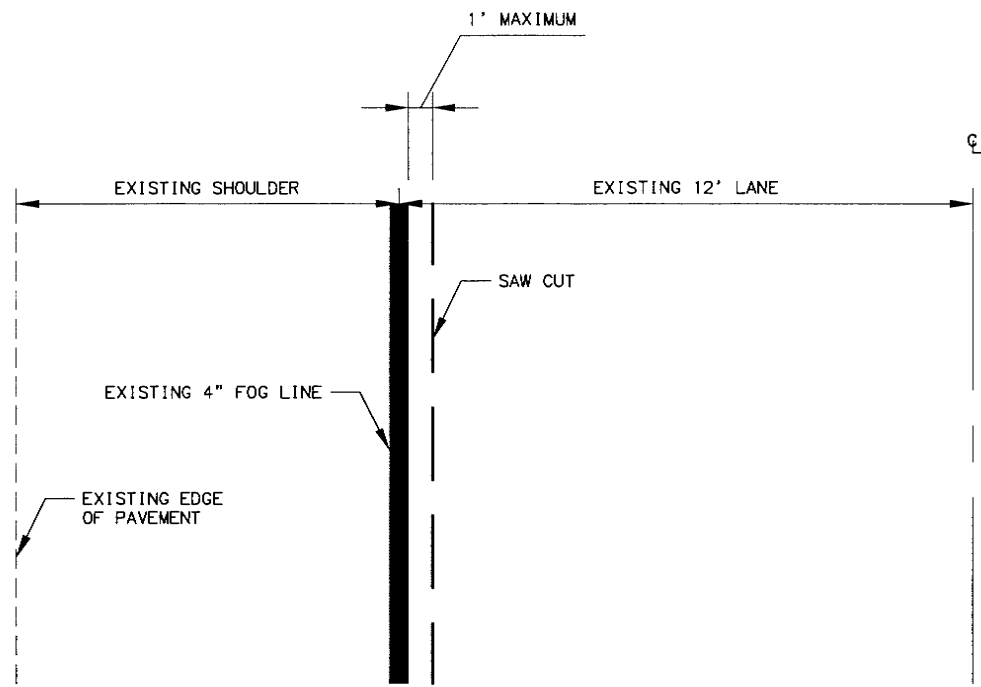
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**

APPROACH DETAILS

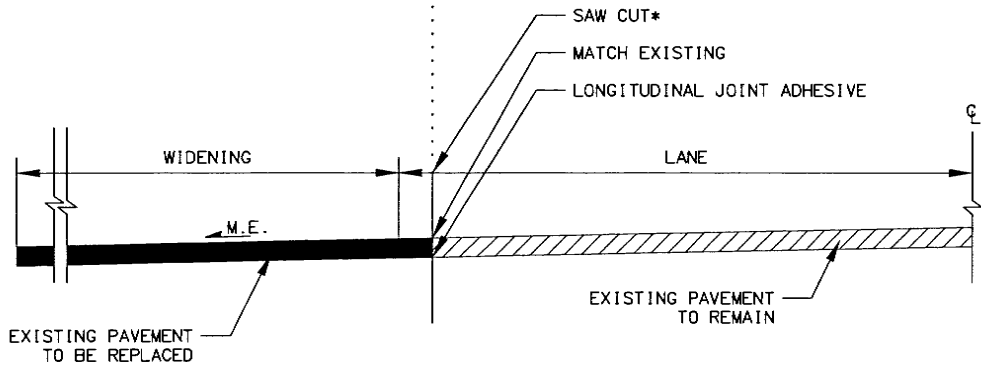
STATE OF ALASKA DOT&PF
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	E6	E9

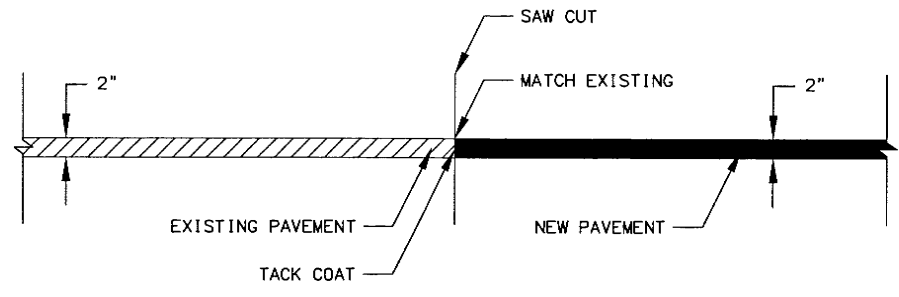


SAW CUT LOCATION - PLAN VIEW

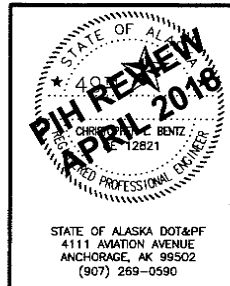


SAW CUT LOCATION - SECTION VIEW

* SAW CUT WORK IS SUBSIDIARY TO PAVEMENT REMOVAL.
PAID AS REMOVAL OF PAVEMENT ITEM 202(2).



NEW PAVEMENT TRANSITION TO EXISTING PAVEMENT



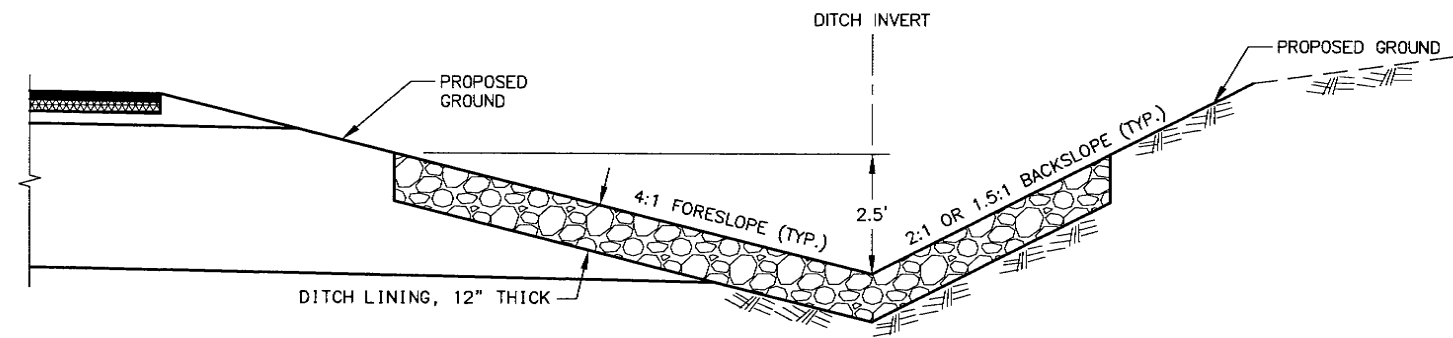
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(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)

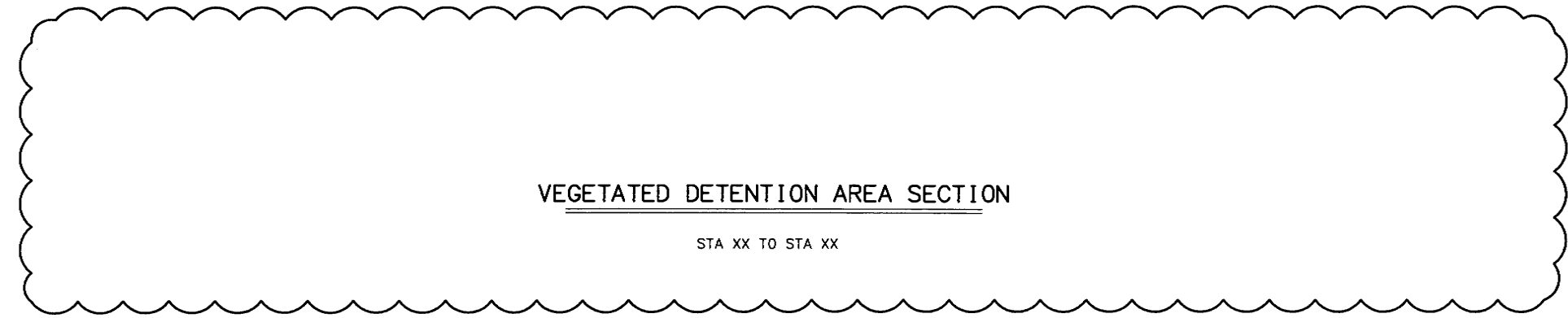
SAW CUT AND PAVEMENT
TRANSITION DETAILS

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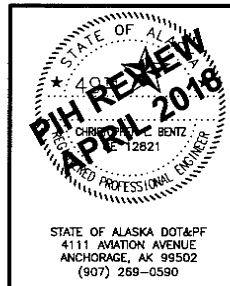
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/ CFHWY00260	2018	E7	E9



DITCH LINING TYPICAL SECTION
 STA XX TO STA XX



VEGETATED DETENTION AREA SECTION
 STA XX TO STA XX

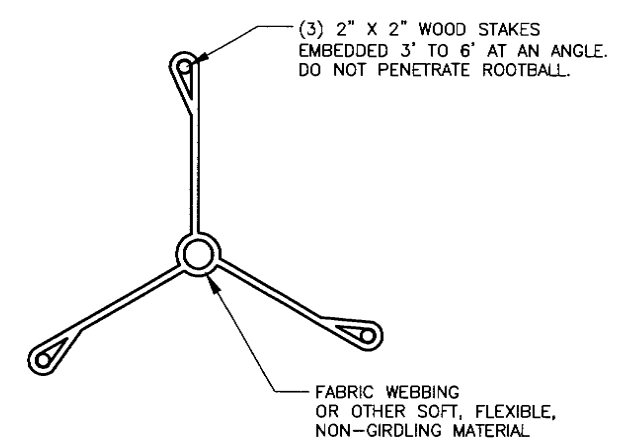


STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

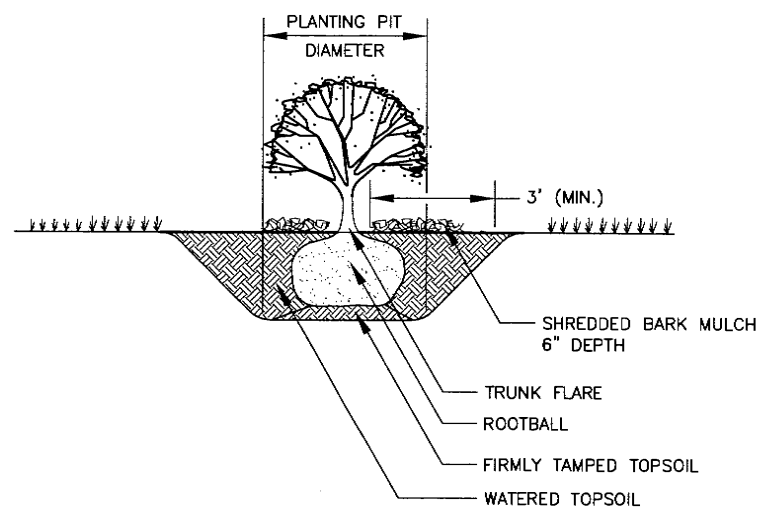
DITCH LINING DETAIL

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			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	E8	E9



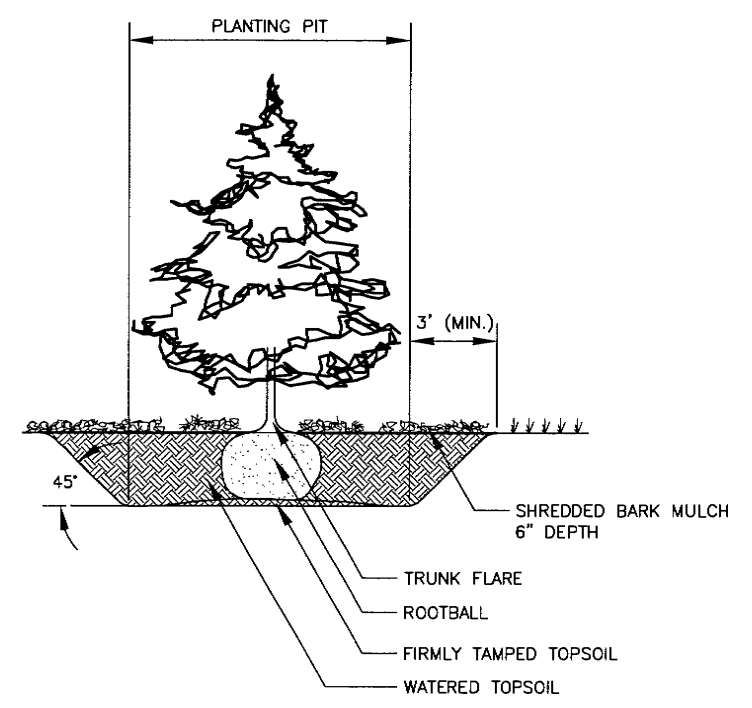
STAKING DETAIL



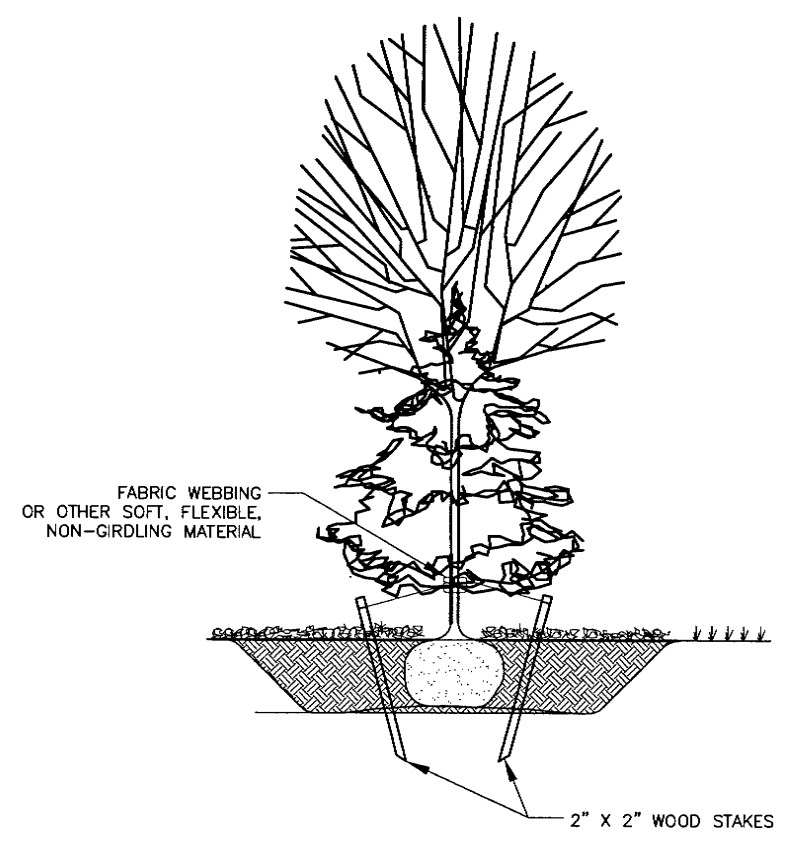
SHRUB PLANTING DETAIL

PLANTING NOTES:

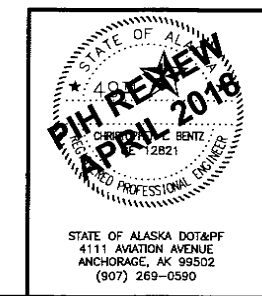
- THE CONTRACTOR SHALL PLACE CONSTRUCTION STAKES FOR TREES AND SHRUBS AT THE LOCATIONS SHOWN ON THE PLANS. THE ENGINEER SHALL APPROVE THE LOCATIONS PRIOR TO EXCAVATING THE PLANTING PITS.
- PLANT AS FOLLOWS:
 - EXCAVATE AND REMOVE EXISTING SOIL IN THE PLANTING PIT.
 - FOR SHRUBS: THE MINIMUM DIAMETER OF THE PLANTING PIT SHALL BE 2 TO 3 TIMES THE HORIZONTAL DIAMETER OF THE ROOTBALL.
 - FOR TREES: THE MINIMUM DIAMETER OF THE PLANTING PIT SHALL BE 4 TO 5 TIMES THE HORIZONTAL DIAMETER OF THE ROOTBALL.
 - EXCAVATE THE PLANTING PIT TO A MINIMUM DEPTH OF 6 INCHES BELOW THE BOTTOM OF THE ROOTBALL.
 - TILL OR SCARIFY 6 INCHES OF THE WALLS AND BOTTOM OF THE SAUCER-SHAPED PLANTING PIT.
 - PLACE TOPSOIL DIRECTLY UNDER THE ROOTBALL LOCATION AND TAMP IT FIRMLY.
 - PLACE TREE OR SHRUB WITH TRUNK FLARE AT OR UP TO 1 INCH ABOVE FINISHED GRADE.
 - IF THE ROOTBALL COMES IN A PLASTIC CONTAINER: THE PLASTIC CONTAINER MUST BE COMPLETELY REMOVED.
 - IF THE ROOTBALL COMES WRAPPED IN BURLAP OR WIRE BASKET: CUT, PEEL DOWN, REMOVE OR LAY THEM FLAT IN THE BOTTOM OF PLANTING PIT.
 - BACKFILL THE PLANTING PIT WITH PREPARED TOPSOIL AND THOROUGHLY WATER DURING BACKFILLING TO PREVENT AIR POCKETS.
 - DO NOT FERTILIZE TOPSOIL AT THE TIME OF PLANTING.
- KEEP SHREDDED BARK MULCH 3 INCHES TO 6 INCHES FAR AWAY FROM THE TRUNK.
- TREE STABILIZATION STAKING IS REQUIRED FOR TREES IN WINDY LOCATIONS OR WHERE NEEDED TO HELP KEEP TREES IN AN UPRIGHT POSITION. TIE AT APPROXIMATELY ONE THIRD TREE HEIGHT. DO NOT STAKE TREE RIGIDLY; IT MUST BE ABLE TO MOVE IN THE WIND. REMOVE TIES AFTER ONE YEAR.



CONIFER TREE PLANTING DETAIL



TREE STABILIZATION STAKING DETAIL



STATE OF ALASKA
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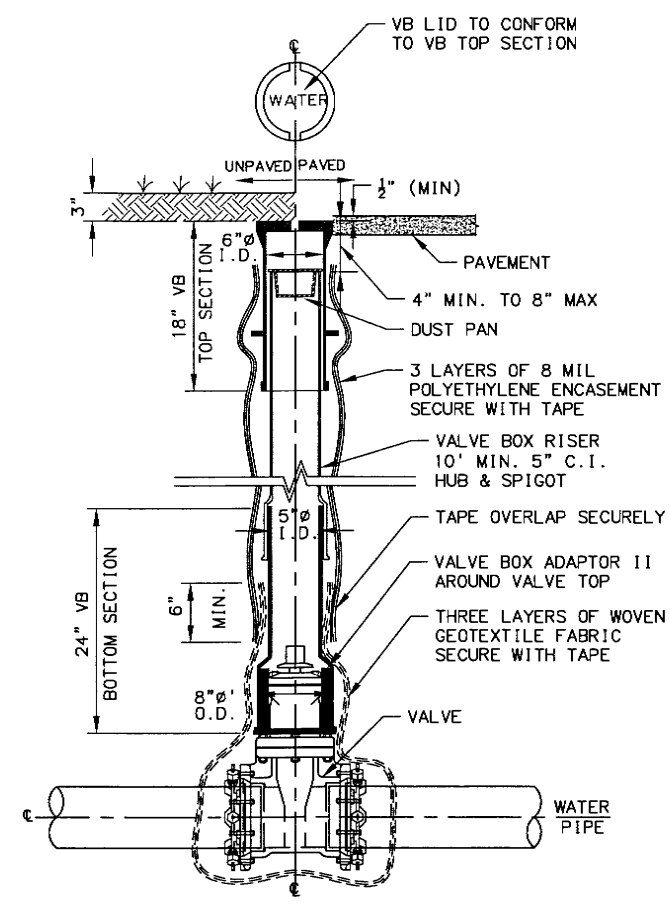
CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)

PLANTING DETAILS

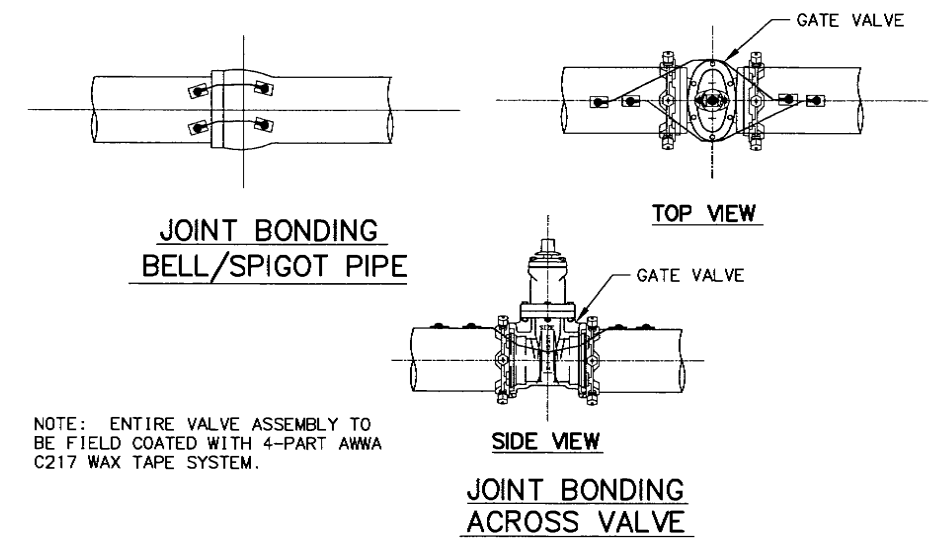
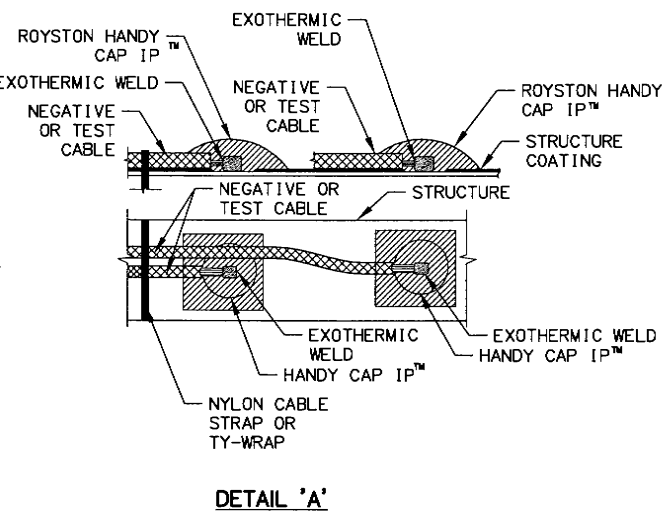
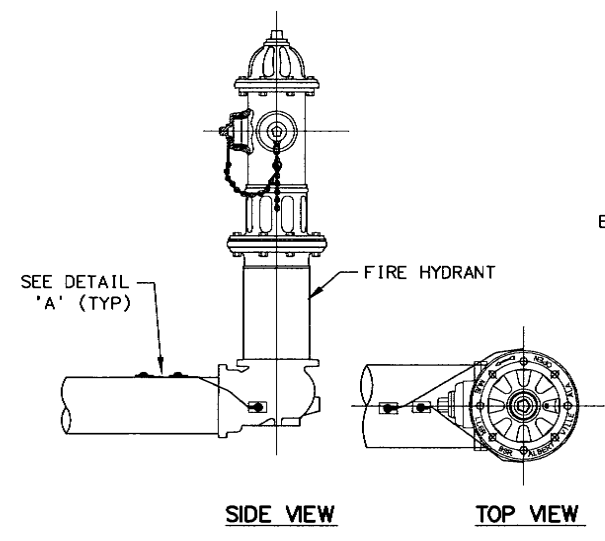
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	E9	E9

AWWU AGREEMENT #XXXXX

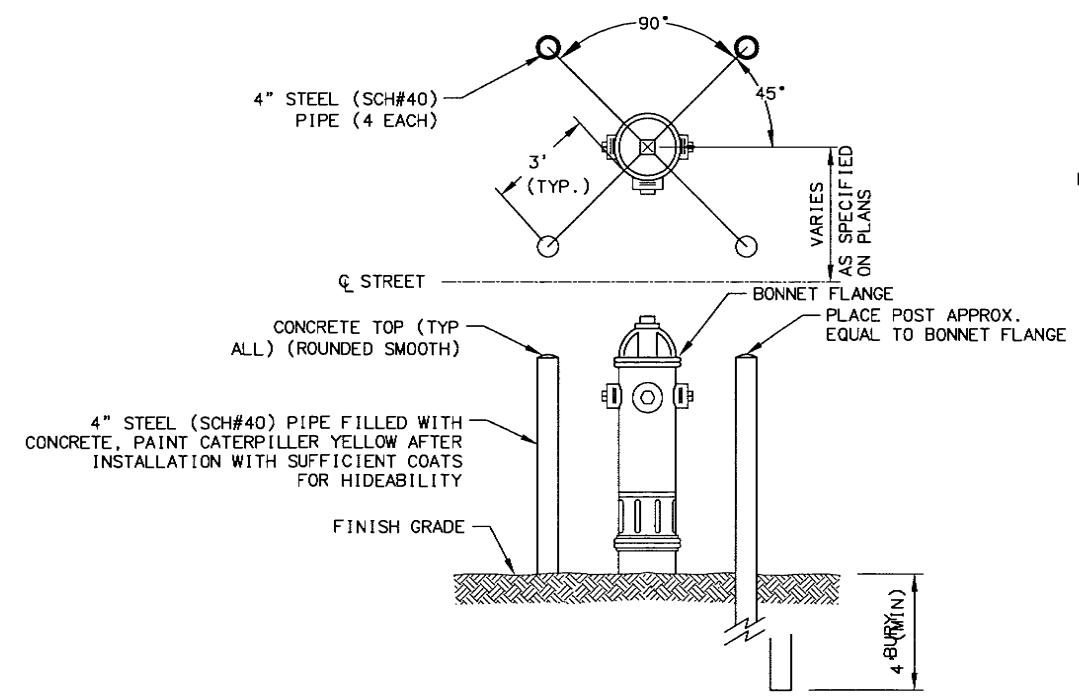


- VALVE BOX NOTES:**
1. SEE SPECIFICATIONS FOR MATERIAL REQUIREMENTS.
 2. VALVE BOX ASSEMBLY IS TO BE PLUMB.
 3. DIMENSIONS ARE NOMINAL.

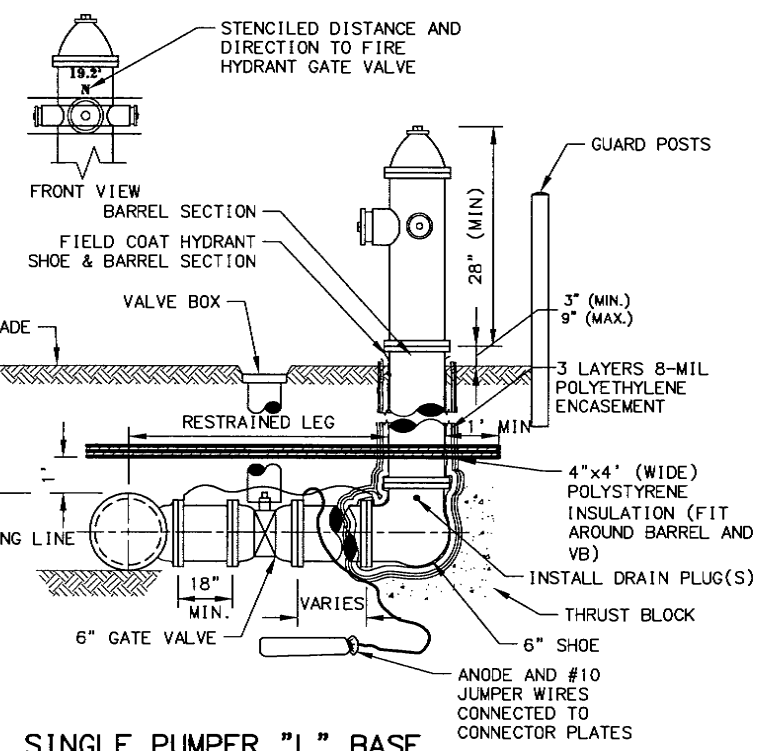


NOTE: ENTIRE VALVE ASSEMBLY TO BE FIELD COATED WITH 4-PART AWWA C217 WAX TAPE SYSTEM.

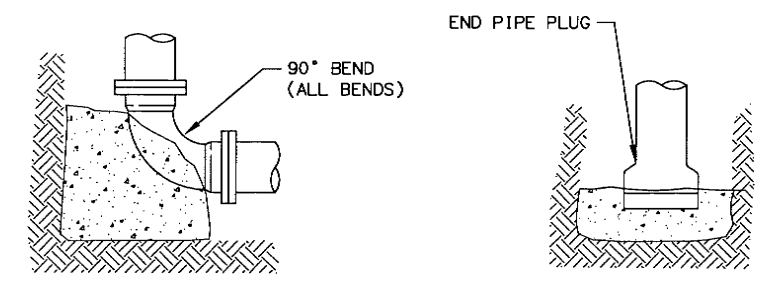
TYPICAL VALVE BOX (VB)



- GUARD POST NOTES:**
1. GUARD POSTS WILL BE FURNISHED & INSTALLED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
 2. GUARD POSTS SHALL BE INSTALLED PLUMB AND LOCATED TO ALLOW UNRESTRICTED ACCESS TO PUMPER AND HOSE CONNECTIONS.



- BASE ASSEMBLY NOTES:**
1. HYDRANT BARREL SHALL BE INSTALLED PLUMB AND THE LEG SHALL BE LEVEL.



THRUST BLOCK

PIPE SIZE	PLUG	90° BEND	45° BEND	22 1/2° BEND
6"	2.0	2.0	1.0	1.0
8"	2.5	2.5	1.5	1.5
10"	4.5	4.5	2.5	2.5
12"	6.0	6.0	3.5	3.5
14"	8.0	8.0	4.5	4.5
16"	10.5	10.5	6.0	6.0
24"	24.0	24.0	13.0	13.0

- THRUST BLOCK NOTES:**
1. MINIMUM THICKNESS OF PRE-CAST 6-INCH OR AS PER THE CONTRACT SPECIFICATIONS.
 2. THRUST BLOCK MAY NOT BE USED IN LIEU OF THRUST RESTRAINT.
 3. THRUST BLOCK MUST BE CAST AGAINST UNDISTURBED SOIL (HATCH).



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES

CTF ALTERNATE ENTRANCE ALIGNMENT (WFL)

FIRE HYDRANT RELOCATION AND WATER SERVICE CONNECTION DETAILS

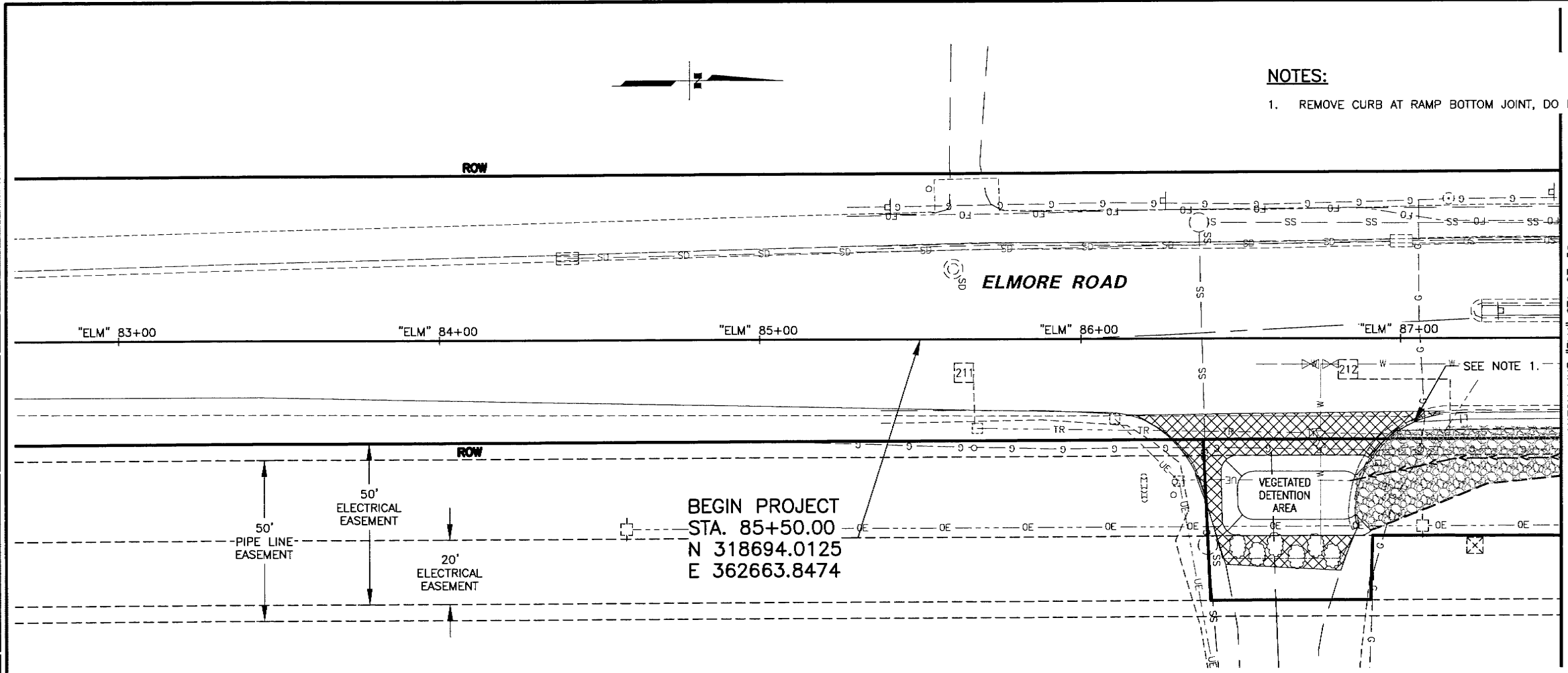
STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
 (907) 269-0590

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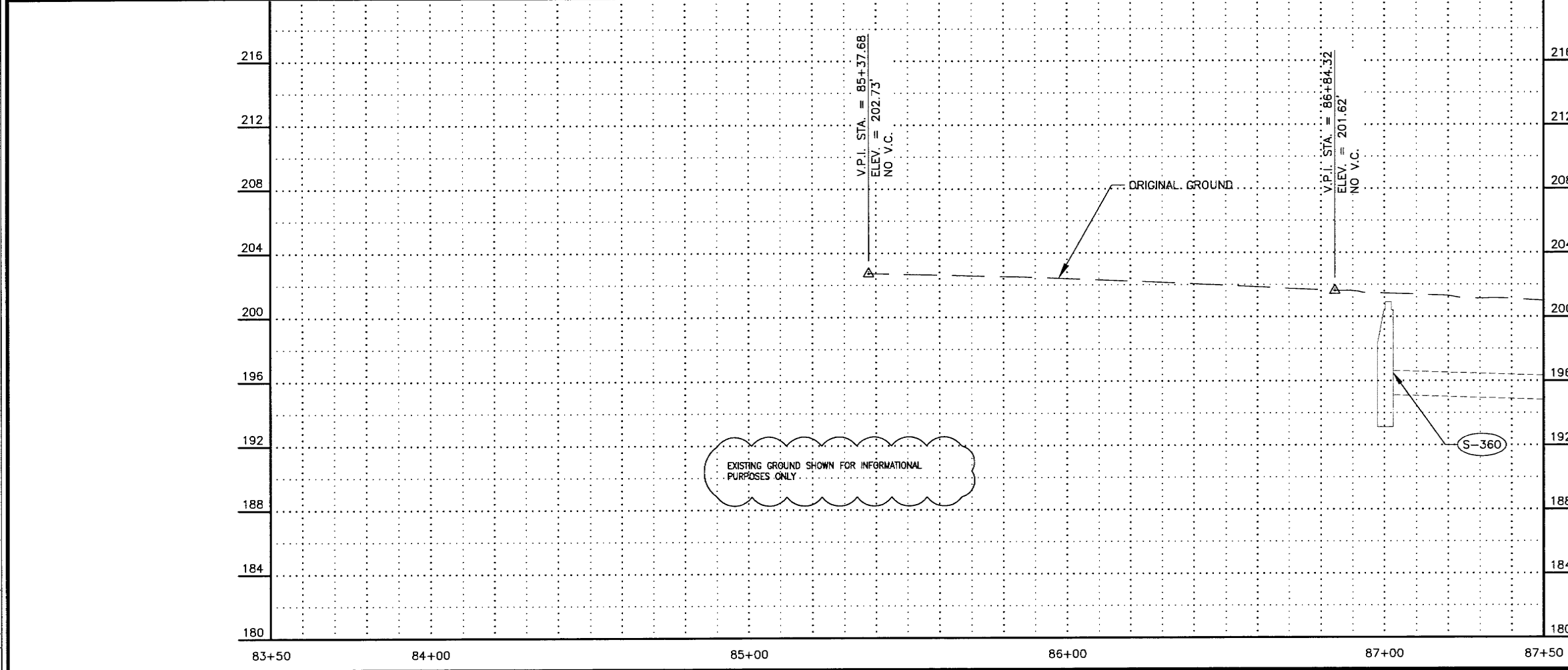


NOTES:

1. REMOVE CURB AT RAMP BOTTOM JOINT, DO NOT LEAVE A BLUNT END.



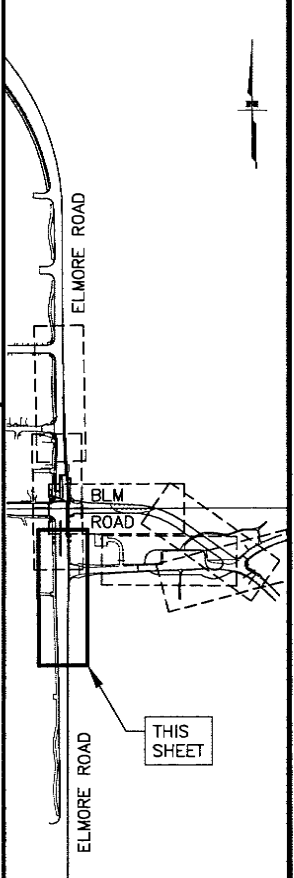
MATCH LINE "ELM" STA. 87+50



SHEET NO.	TOTAL SHEETS
F1	F7
STATE	YEAR
ALASKA	2018

PROJECT DESIGNATION
**AKBLM AFO 2014(1)/
 CFHWY00260**

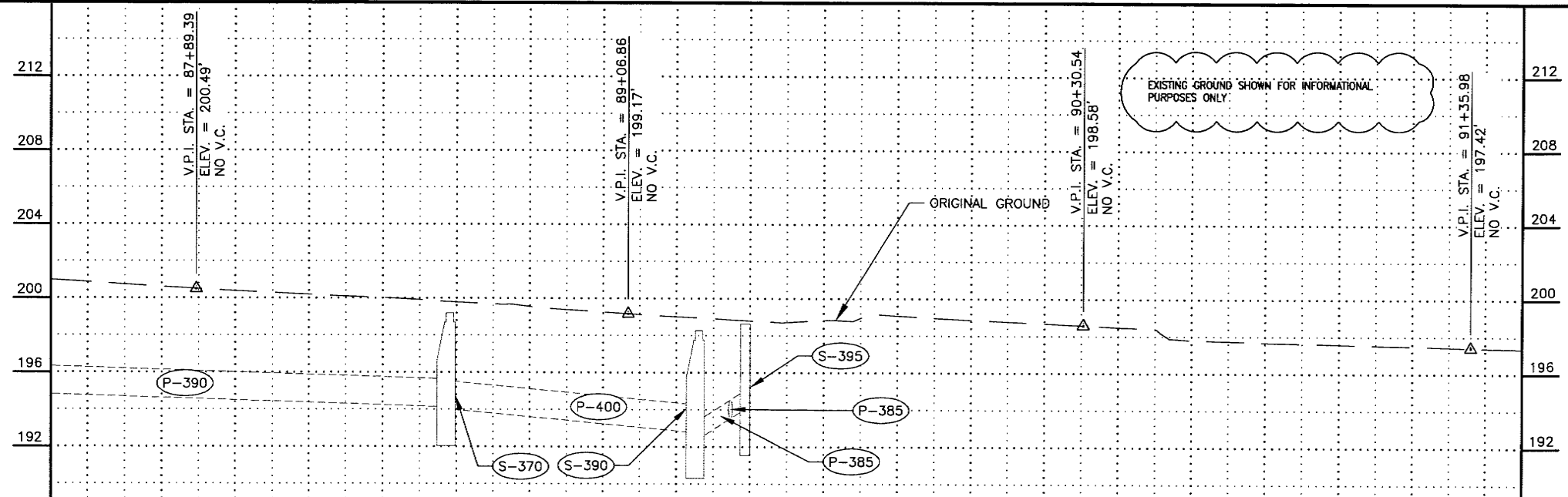
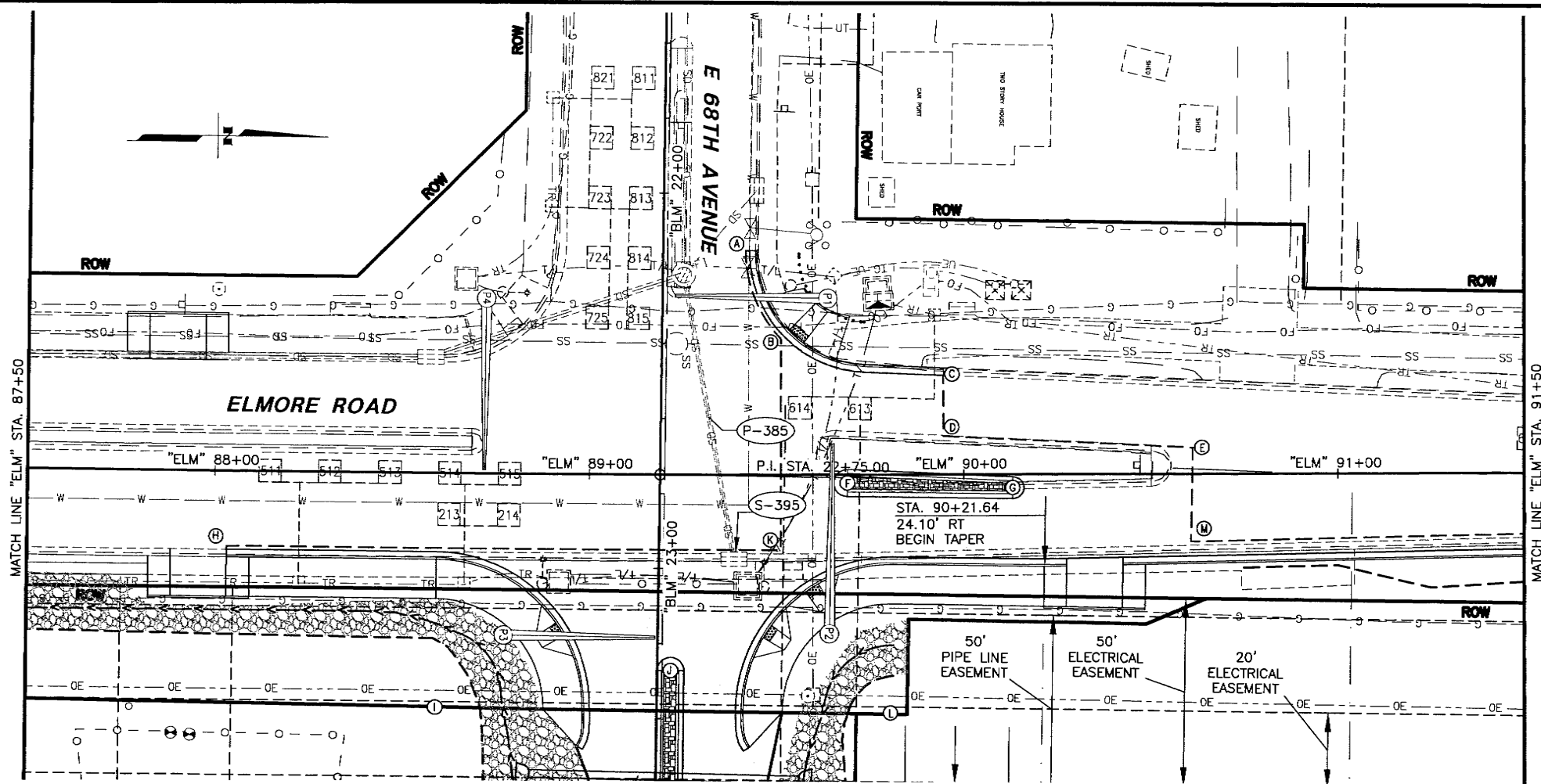
NO.	REVISION



STATE OF ALASKA
PIH REVIEW
 APRIL 2018
 STATE OF ALASKA DOT&PF
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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**
 PLAN AND PROFILE
 ELMORE RD B.O.P. TO
 STA. 87+50

FILE: I:\PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_REALIGN_CV3016\PLANSET\F_SHEETS\F_SHEETS.DWG
 DATE/TIME: 4/27/2018 2:45 PM
 LAYOUT: F02
 DESIGNED: LAS
 CHECKED: CLB
 DRAFTED: MF



LAYOUT TABLE			
POINT ⓐ	STATION	OFFSET (FT)	REMARKS
A	"ELM" 89+41.9	59.758 LT	EOP (1 FT FOR SAWCUT)
B	"ELM" 89+51.3	36.223 LT	EOP
C	"ELM" 89+94.7	26.420 LT	EOP
D	"ELM" 89+94.7	10.240 LT	EOP
E	"ELM" 90+60.8	7.056 LT	EOP
F	"ELM" 89+69.0	2.190 RT	ELM EOP RADIUS 3.62 FT
G	"ELM" 90+13.3	3.559 RT	ELM EOP RADIUS 2.90 FT

LAYOUT TABLE			
POINT ⓐ	STATION	OFFSET (FT)	REMARKS
H	"ELM" 88+03.3	20.009 RT	EOP (1 FT FOR SAWCUT)
I	"ELM" 88+59.3	62.344 RT	EOP RADIUS 41.5 FT
J	"BLM" 23+77.2	3.559 LT	BLM EOP MED RADIUS 3.56 FT
K	"ELM" 89+51.3	19.857 RT	EOP
L	"ELM" 89+80.4	63.468 RT	EOP RADIUS 41.5 FT
M	"ELM" 90+60.8	18.014 RT	EOP

176

87+50

88+00

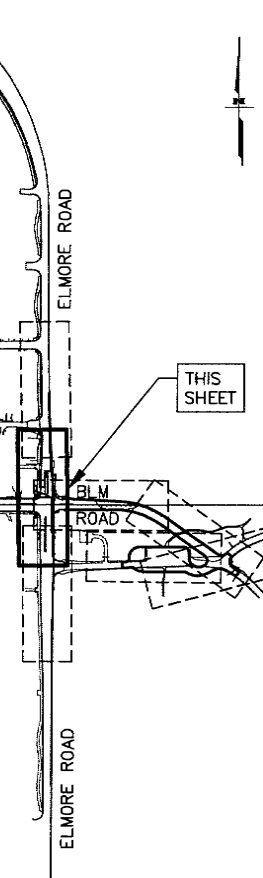
89+00

90+00

91+00

91+50

SHEET NO.	TOTAL SHEETS
F2	F7
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/CFHWY00260	
NO.	REVISION
DATE	
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DATE	
NO.	REVISION
DATE	



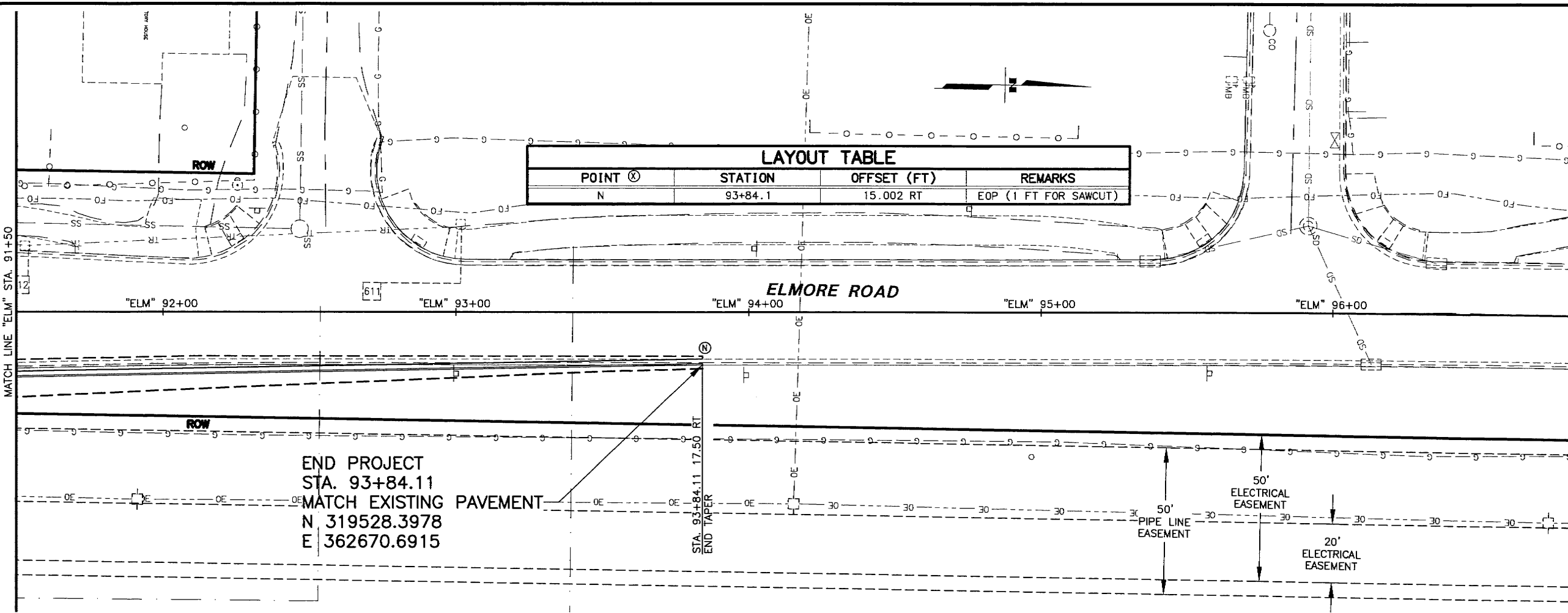
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 AND PUBLIC FACILITIES
 CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)

PLAN AND PROFILE
 ELMORE RD STA. 87+50
 TO STA. 91+50

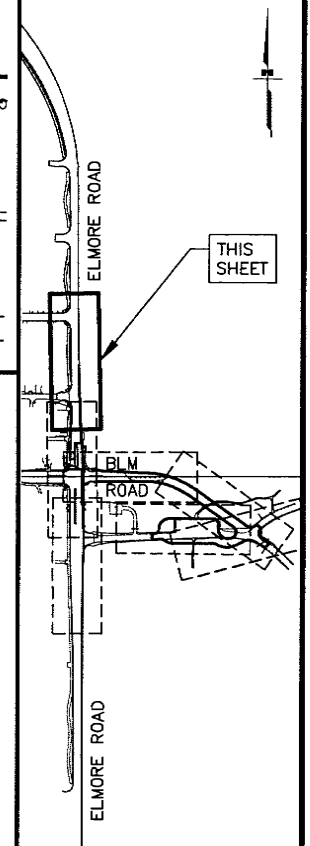
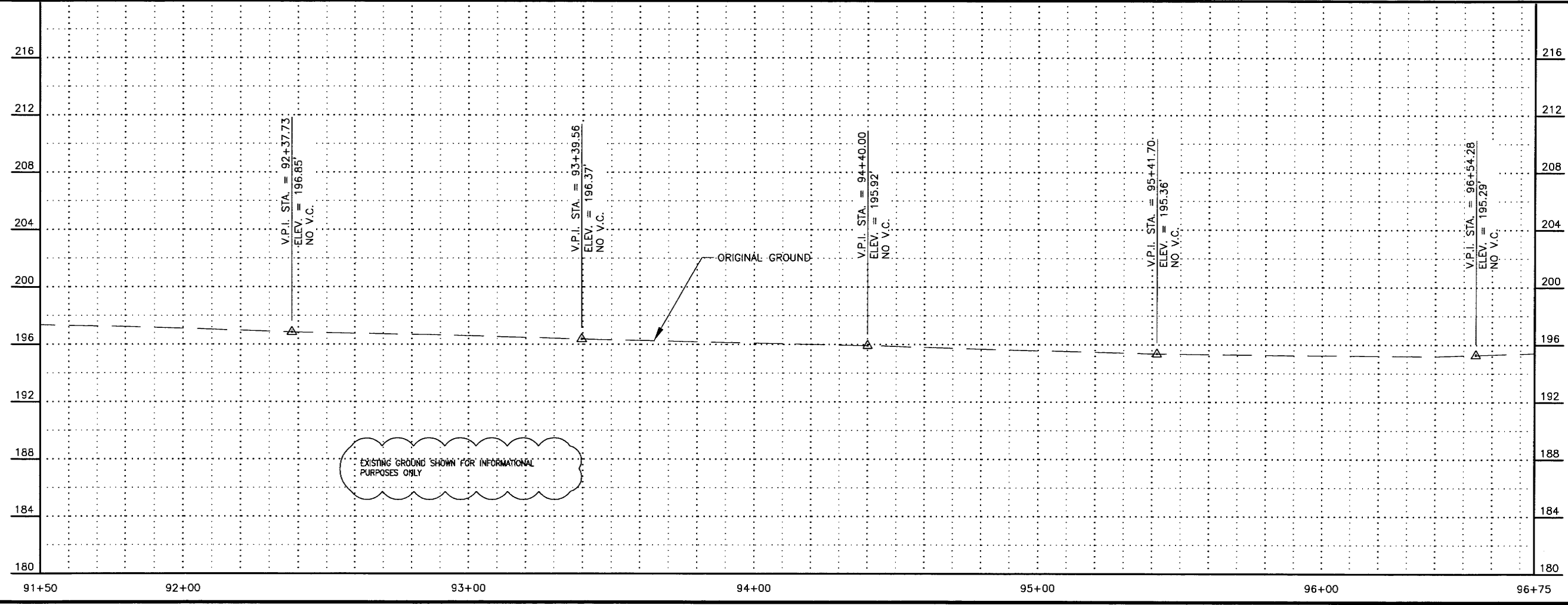
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NO.	REVISION
NO.	REVISION
NO.	REVISION
NO.	REVISION



END PROJECT
STA. 93+84.11
MATCH EXISTING PAVEMENT
N 319528.3978
E 362670.6915

POINT	STATION	OFFSET (FT)	REMARKS
N	93+84.1	15.002 RT	EOP (1 FT FOR SAWCUT)

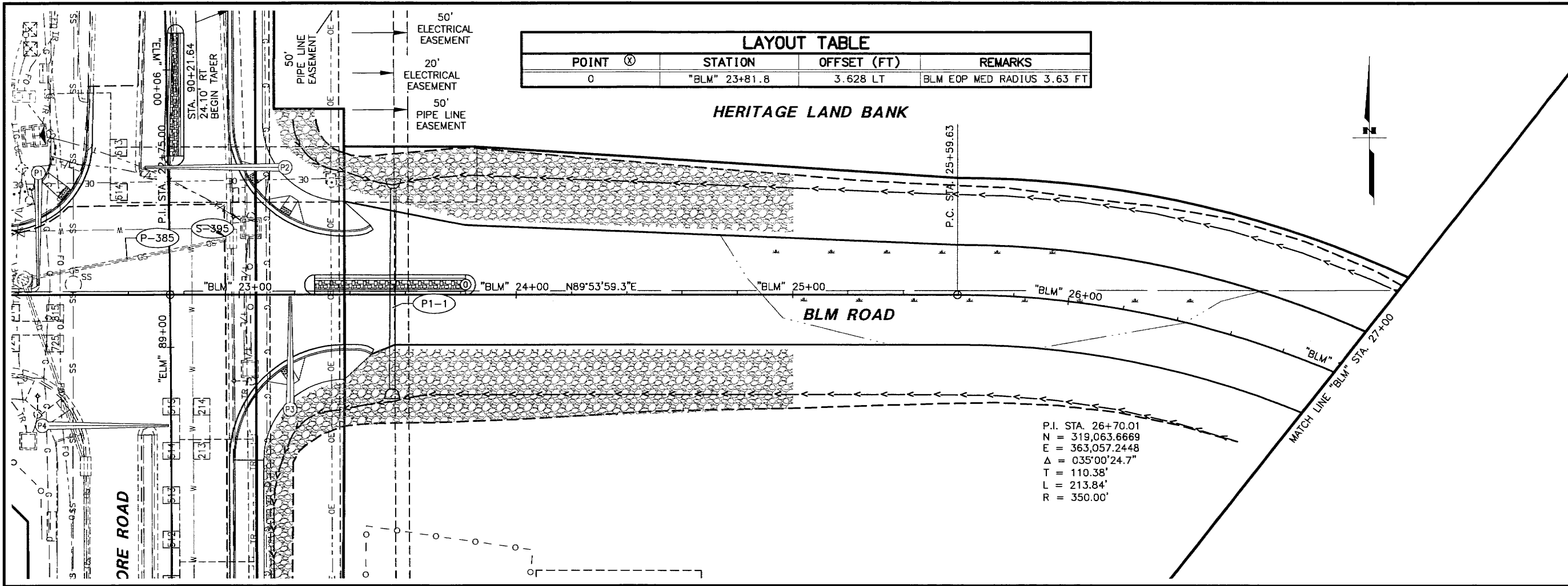


STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)
PLAN AND PROFILE
ELMORE RD STA. 91+50
TO E.O.P.

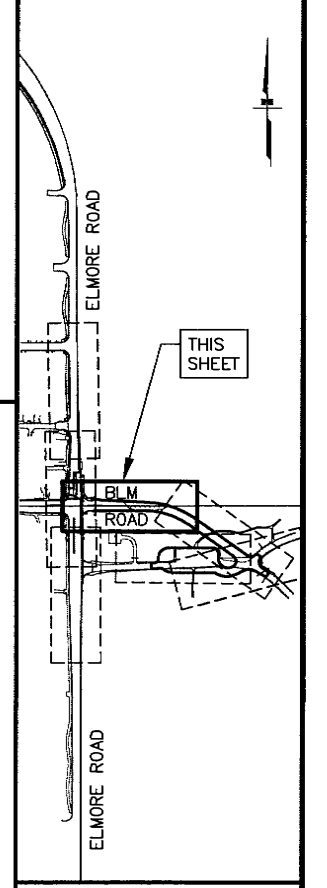
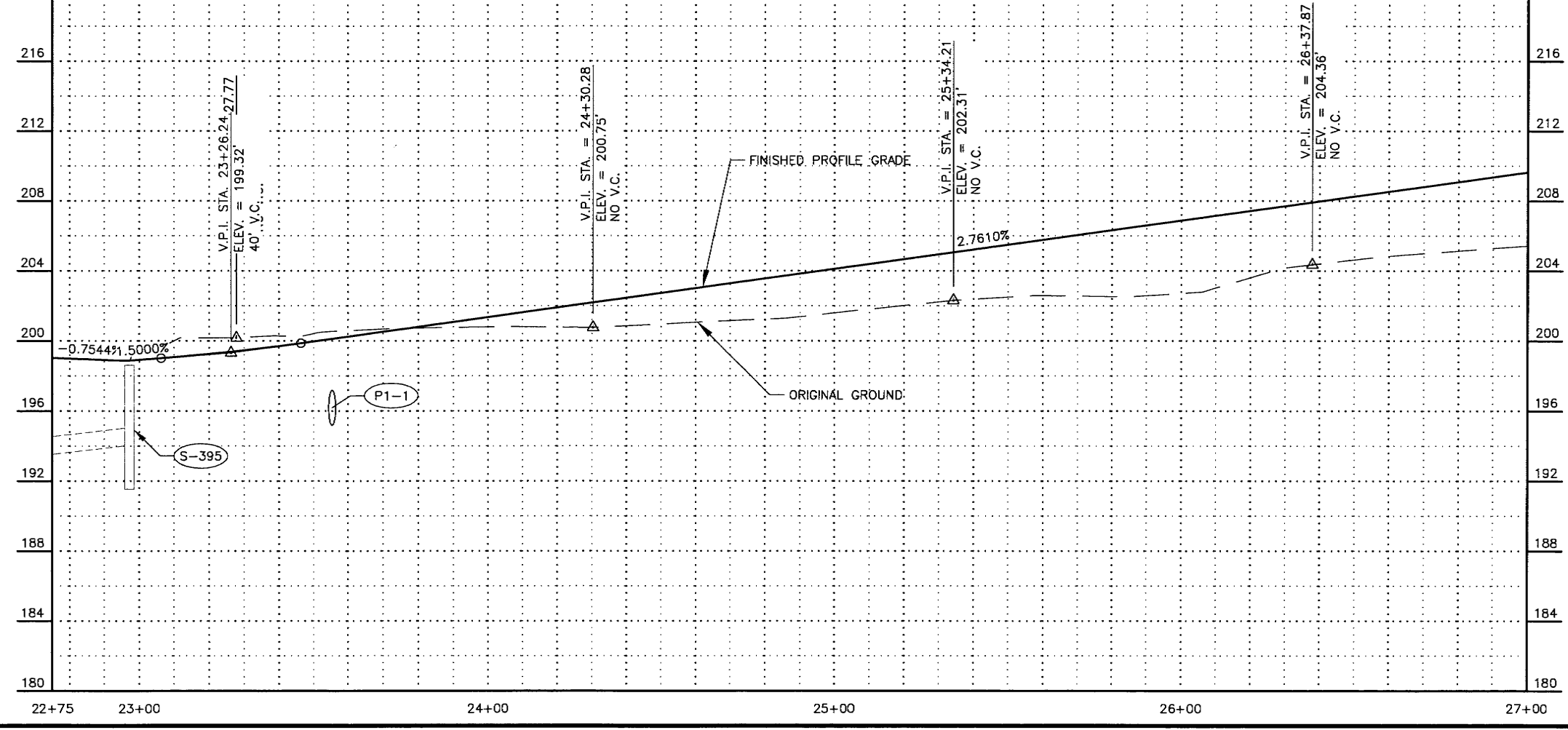
DATE/TIME 4/27/2018 2:45 PM [LAYOUT] F04 [DESIGNED] LAS [CHECKED] CLB [DRAFTED] MF
 FILE \\PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_REALIGN\GN3016\PLANS\F_SHEETS\DWG

LAYOUT TABLE			
POINT	STATION	OFFSET (FT)	REMARKS
0	"BLM" 23+81.8	3.628 LT	BLM EOP MED RADIUS 3.63 FT



P.I. STA. 26+70.01
 N = 319,063.6669
 E = 363,057.2448
 Δ = 035°00'24.7"
 T = 110.38'
 L = 213.84'
 R = 350.00'

SHEET NO.	TOTAL SHEETS
F4	F7
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/ CFHWY00260	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

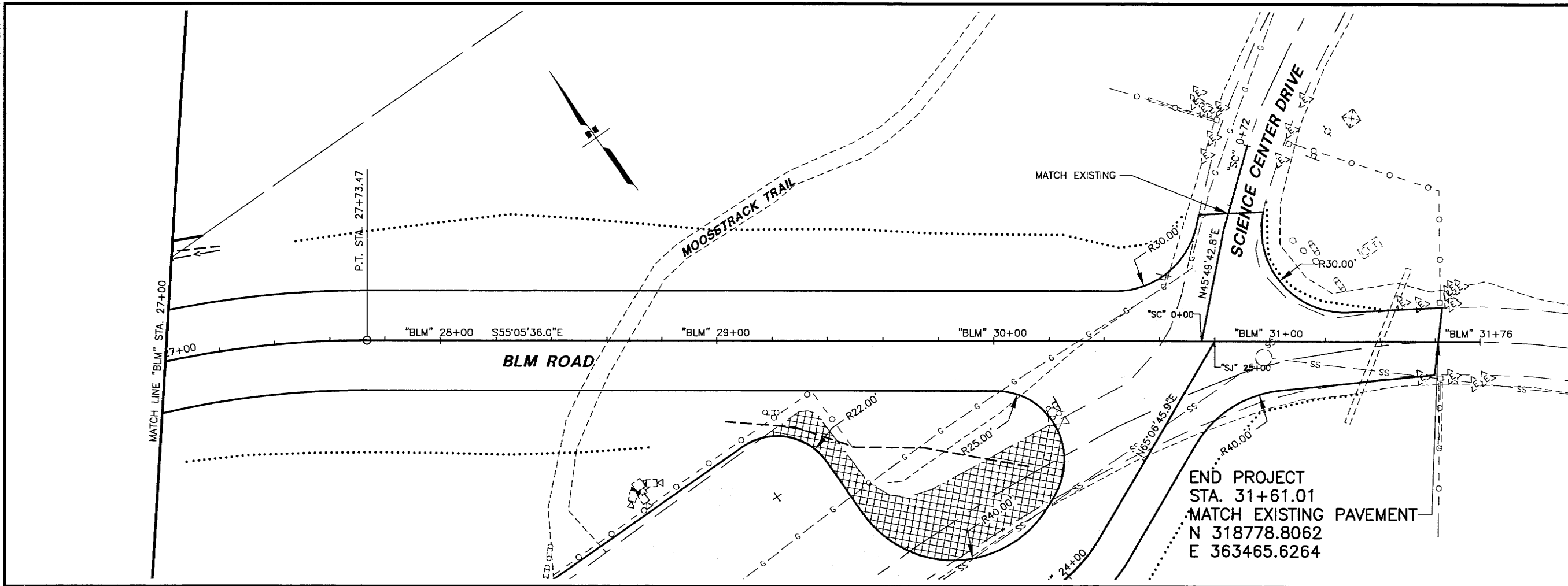


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 ANCHORAGE, AK 99502
 (907) 265-0590

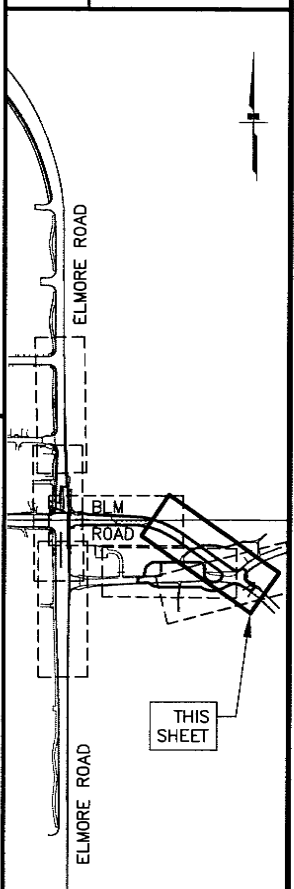
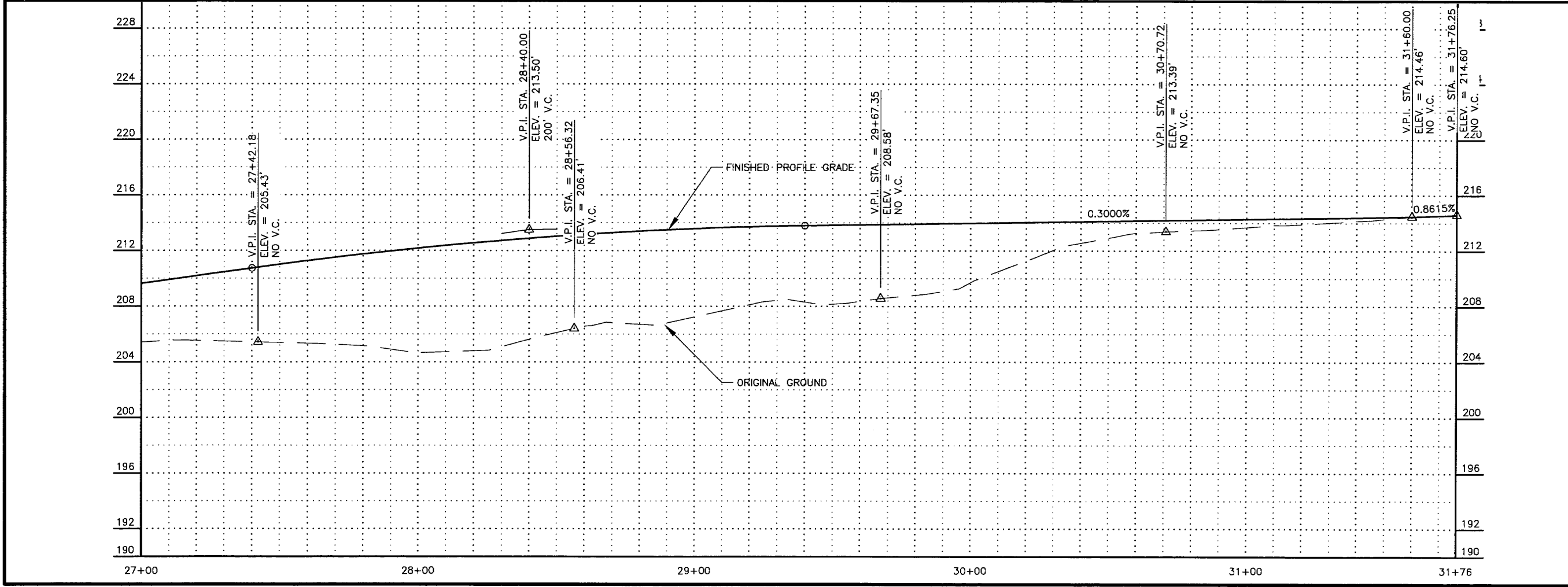
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)
 PLAN AND PROFILE
 BLM RD STA. 23+40
 TO STA. 27+00

FILE: \PROJECTS\ANCHORAGE\CFHWY00260_CTF_BLM_REALIGN\CAD\16\PLANS\PLAN_SHEETS\DWG DATE/TIME: 4/27/2018 2:45 PM LAYOUT: F05 DESIGNED: LAS CHECKED: CLB DRAFTED: MF

SHEET NO.	TOTAL SHEETS
F5	F7
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/CFHWY00260	
NO.	REVISION
NO.	REVISION
NO.	REVISION



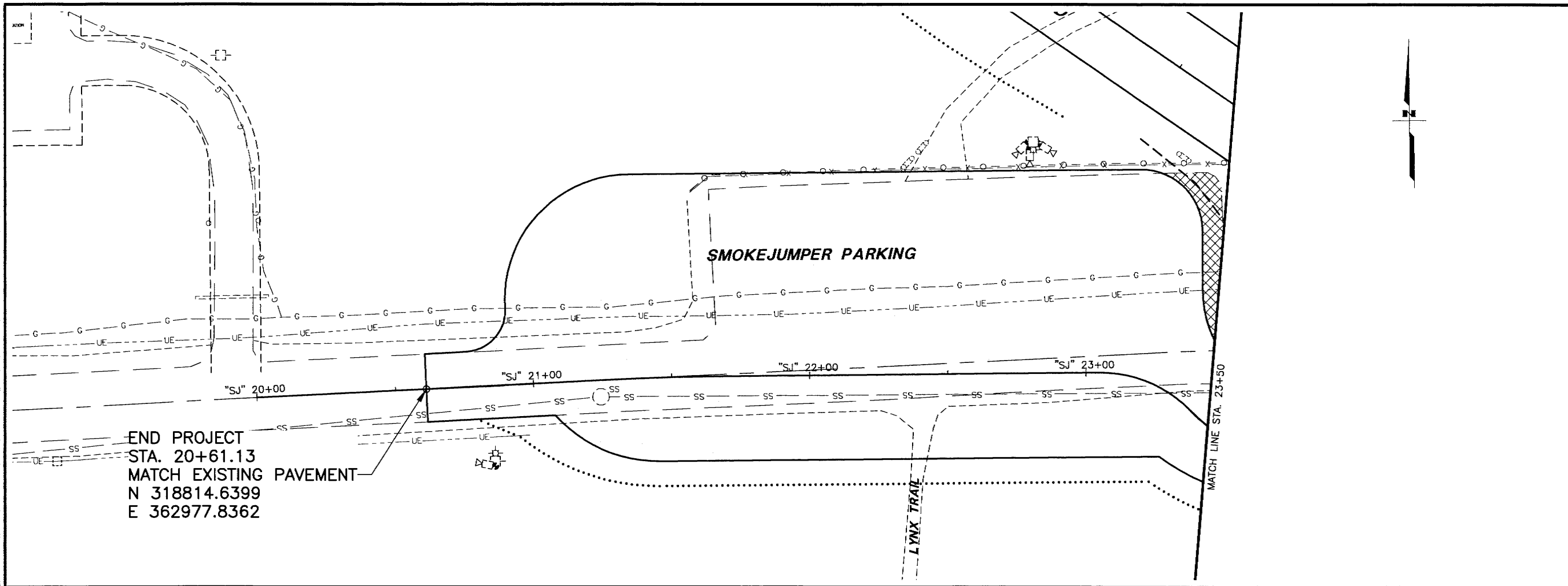
END PROJECT
 STA. 31+61.01
 MATCH EXISTING PAVEMENT
 N 318778.8062
 E 363465.6264



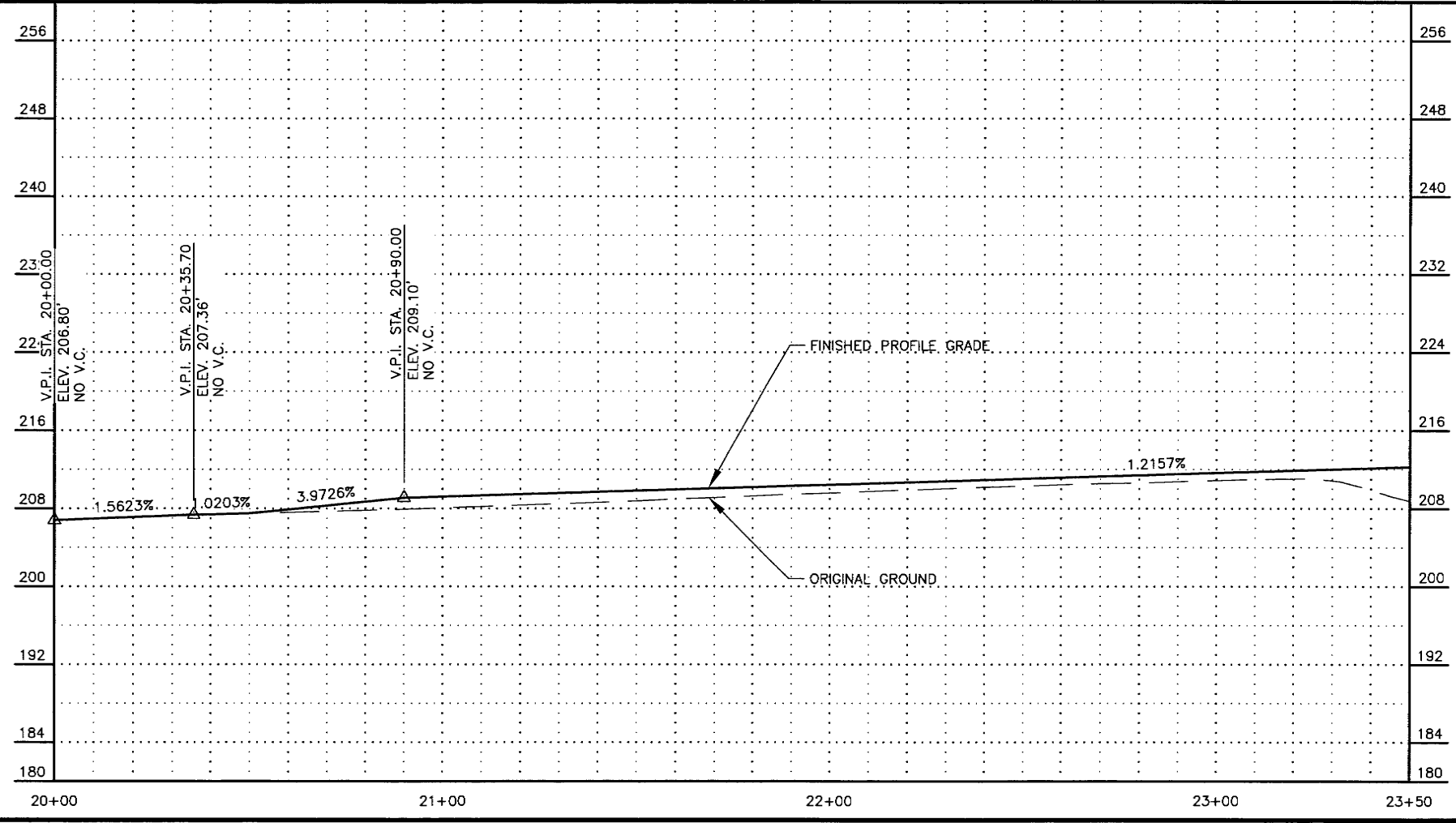
STATE OF ALASKA
 PIH REVIEW
 APRIL 2018
 CHRISTOPHER BENZ
 LICENSED PROFESSIONAL ENGINEER
 STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
 (907) 269-0590

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)
 PLAN AND PROFILE BLM
 RD STA. 27+00 TO
 E.O.P

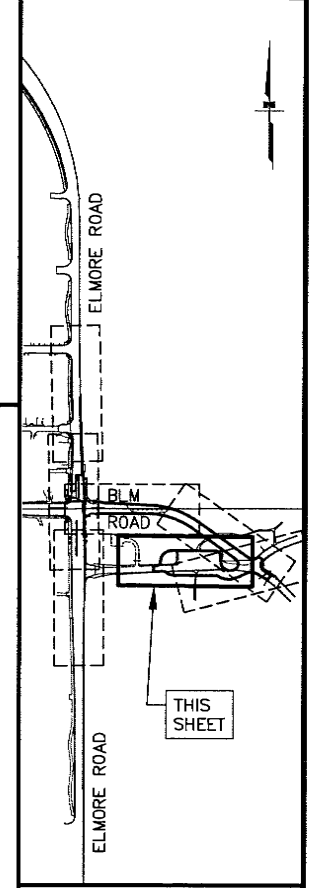
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END PROJECT
 STA. 20+61.13
 MATCH EXISTING PAVEMENT
 N 318814.6399
 E 362977.8362



SHEET NO.	TOTAL SHEETS
F6	F7
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/ CFHWY00260	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



STATE OF ALASKA
 PIH REVIEW
 APRIL 2018
 CHRISTOPHER BENZ
 LICENSE NO. 12821
 REGISTERED PROFESSIONAL ENGINEER

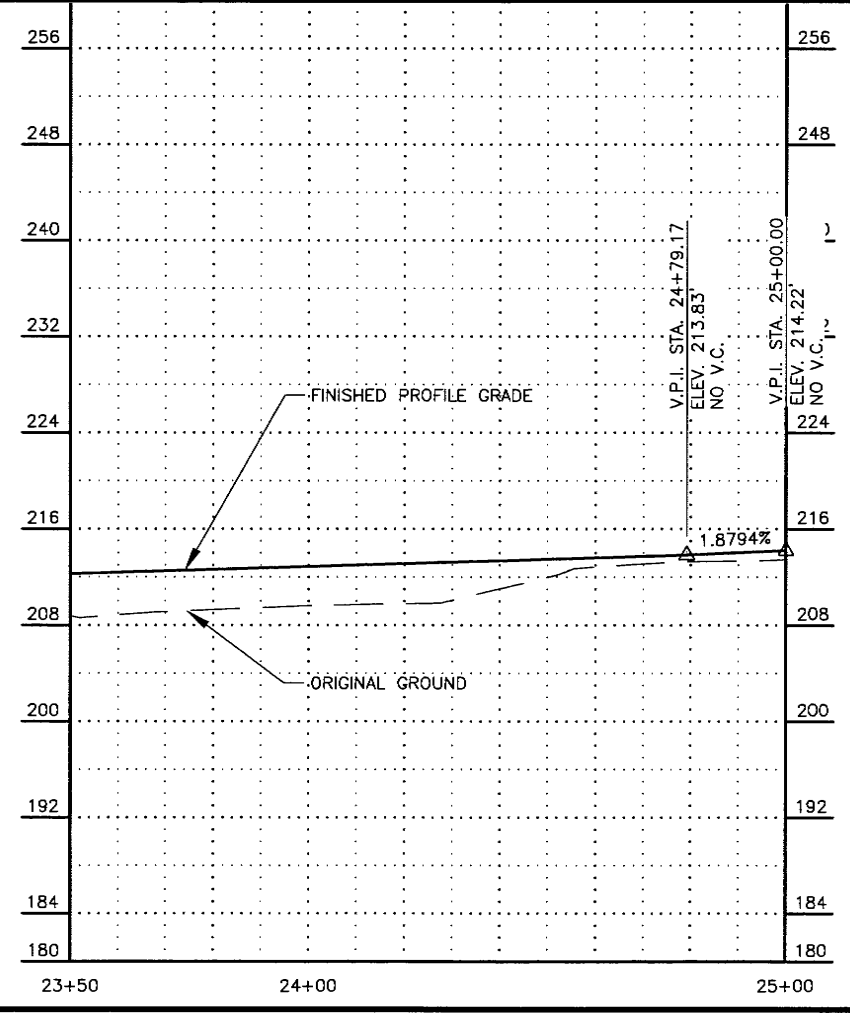
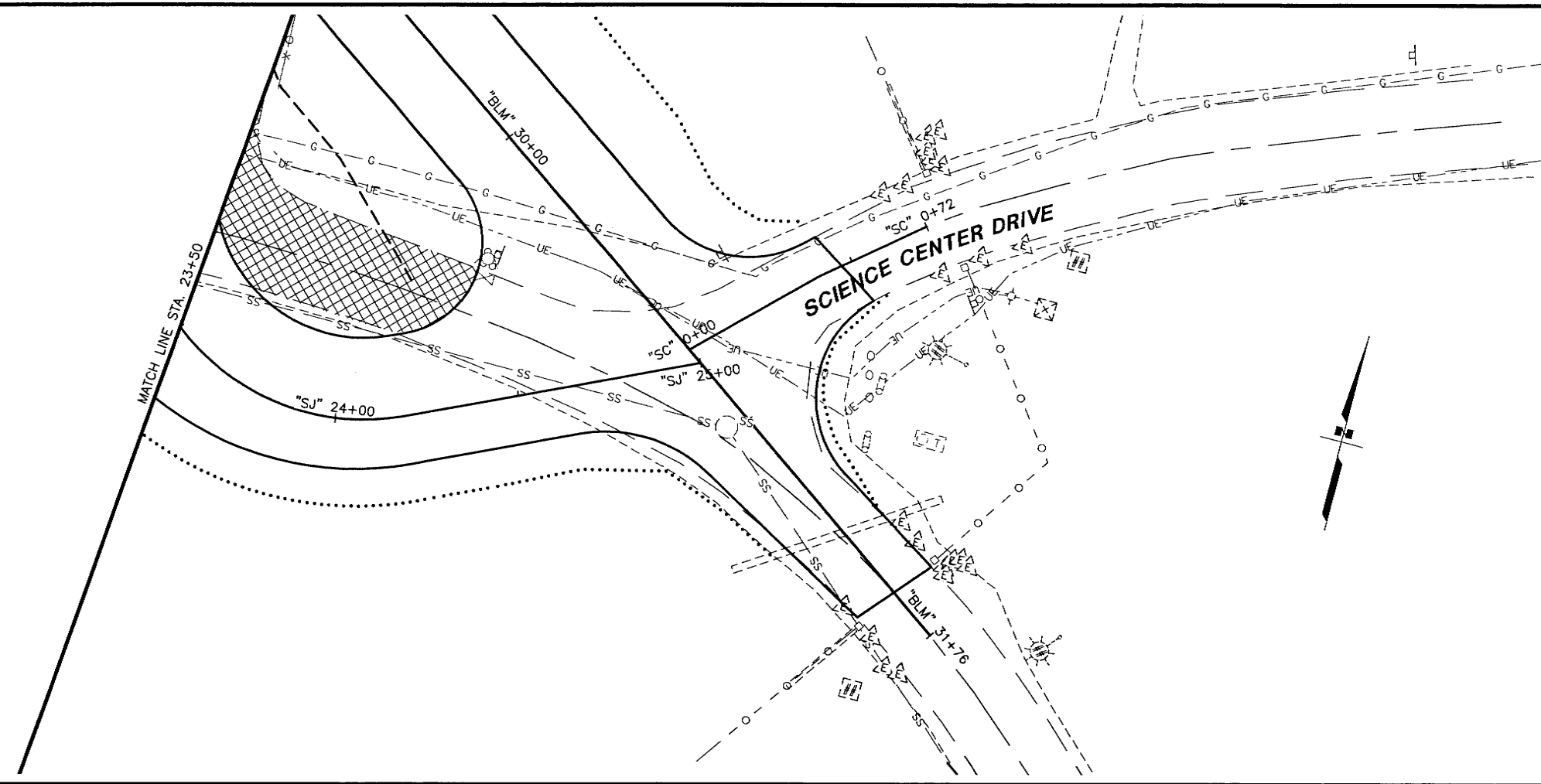
STATE OF ALASKA DOT&PF
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 ANCHORAGE, AK 99502
 (907) 269-0590

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)

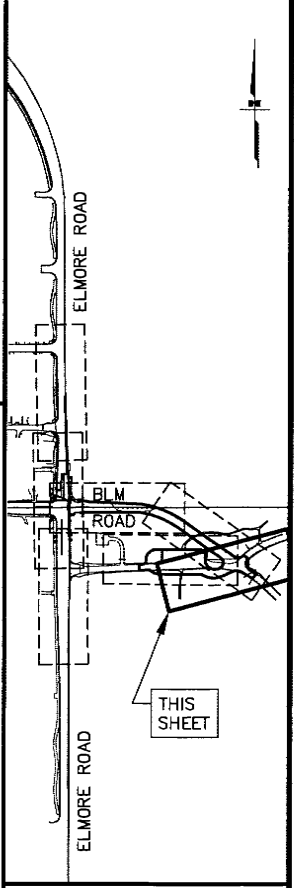
PLAN AND PROFILE
 SMOKEJUMPER PARKING
 STA 20+00 TO 23+50

FILE: \PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_REALIGN\CAD\16\PLANSET\F_SHEETS\SMOKEJUMPER.DWG DATE/TIME: 4/27/2018 2:45 PM LAYOUT: F7 DESIGNED: LAS CHECKED: CLB DRAFTED: MF



SHEET NO.	TOTAL SHEETS
F7	F7
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/CFHWY0260	

NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



STATE OF ALASKA
PIH REVIEW
 APRIL 2018
 CHRISTOPHER BENITZ
 12821
 LICENSED PROFESSIONAL ENGINEER

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 ANCHORAGE, AK 99502
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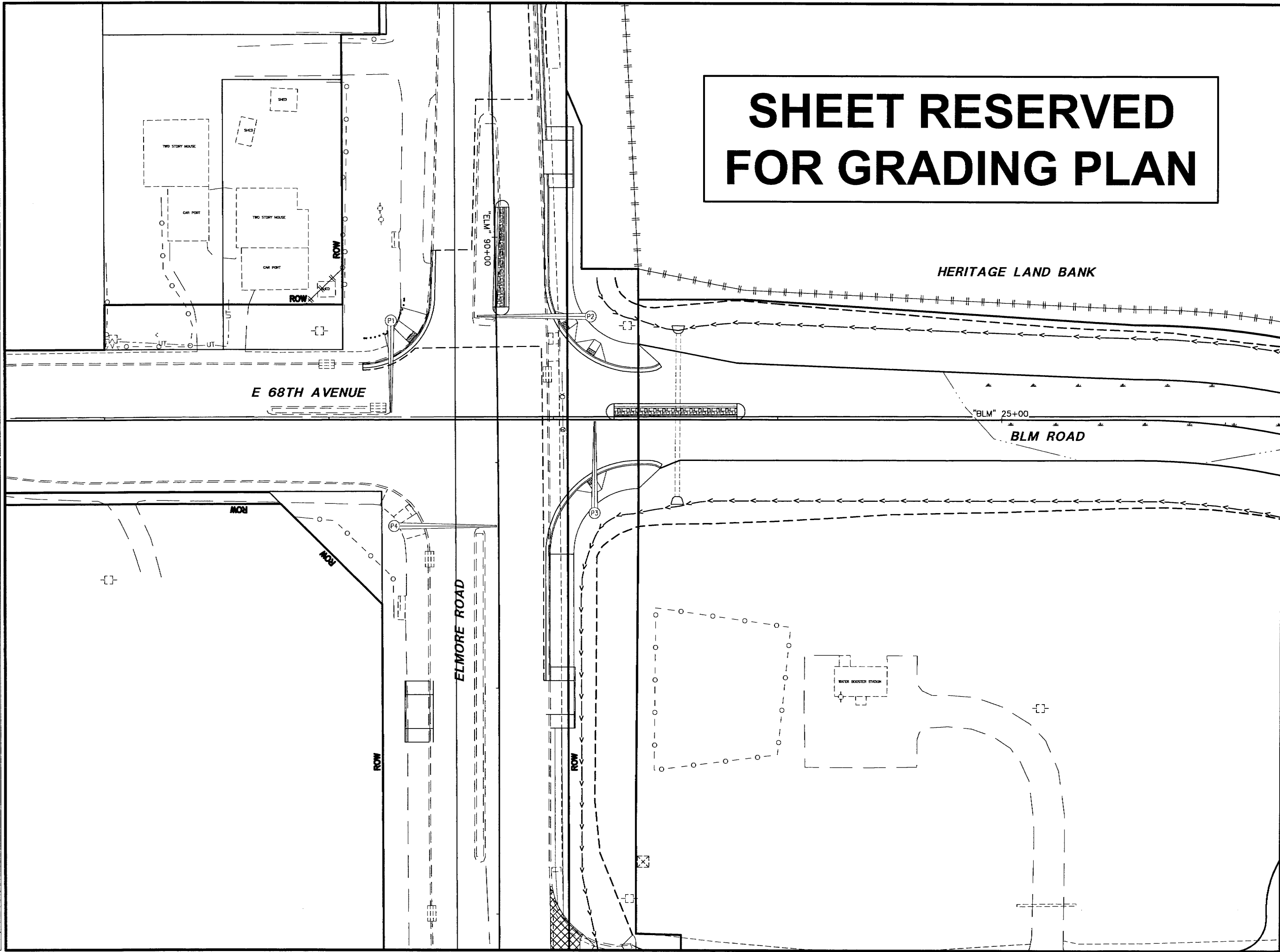
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)

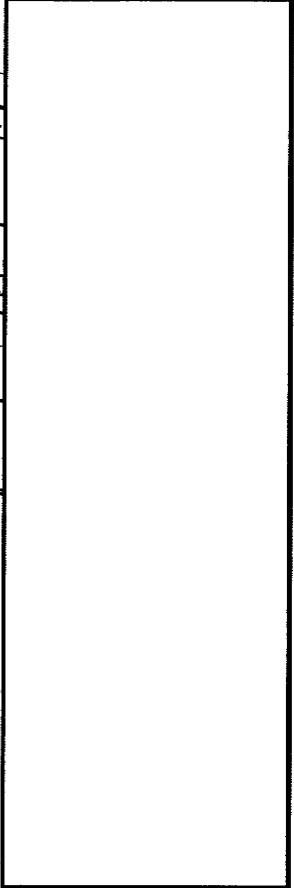
PLAN AND PROFILE
 SMOKEJUMPER PARKING
 STA 23+50 TO 25+00

FILE I:\PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_REALIGN\CADD\15\PLANSET\C_SHEETS\0260_GRADING.DWG DATE/TIME 4/30/2018 11:35 AM LAYOUT ELMBLM GRD DESIGNED LAS CHECKED CLB DRAFTED MF

SHEET RESERVED FOR GRADING PLAN



SHEET NO.	TOTAL SHEETS
G1	G2
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/ CFHWY00260	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

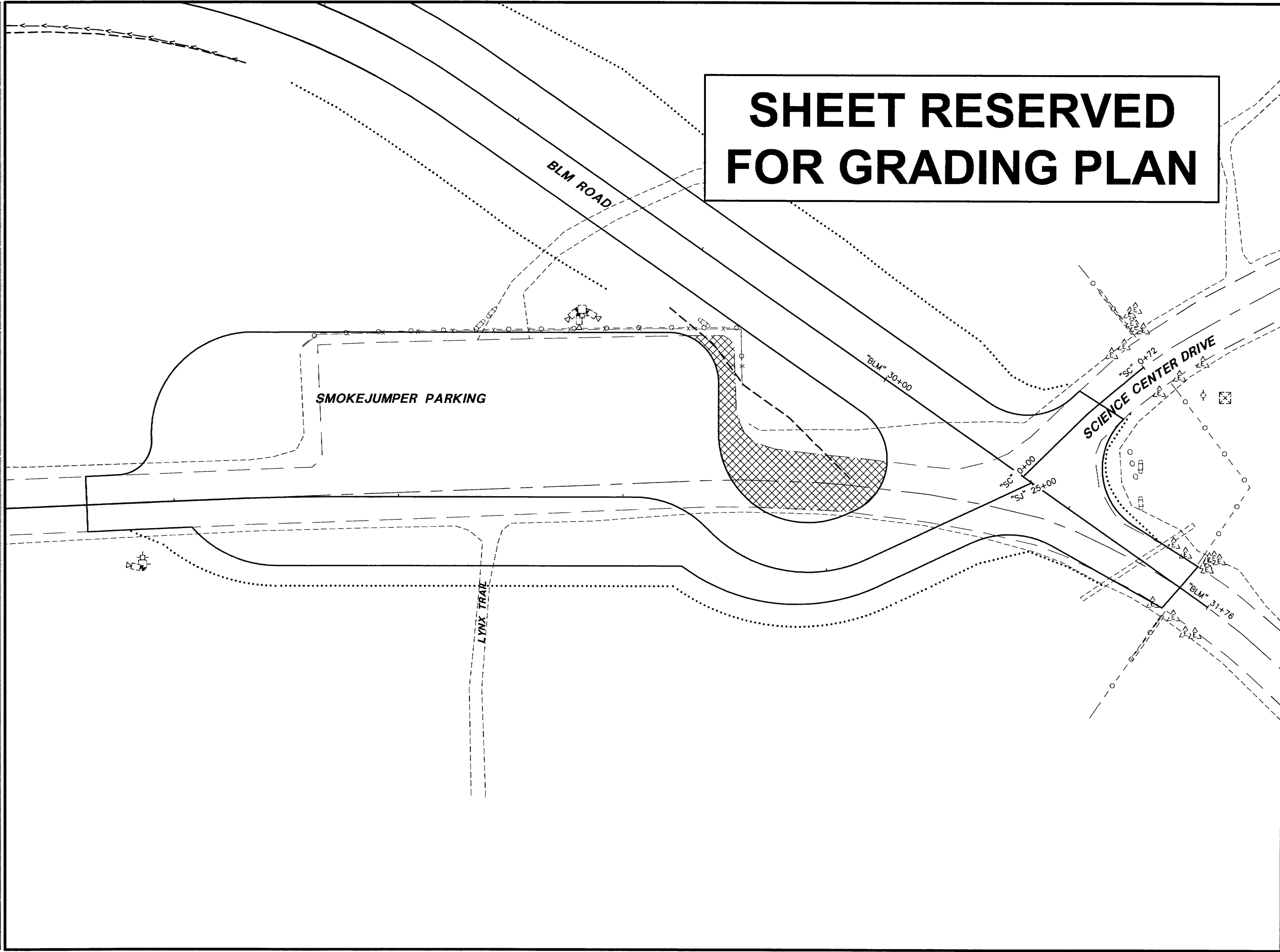



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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**
**ELMORE ROAD AND BLM
 ROAD INTERSECTION
 GRADING PLAN**

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**SHEET RESERVED
FOR GRADING PLAN**



SHEET NO.	TOTAL SHEETS
G2	G2
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/CFHWY00260	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

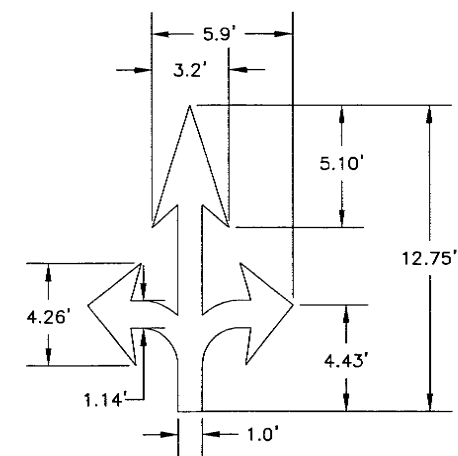


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 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
 (907) 269-0590

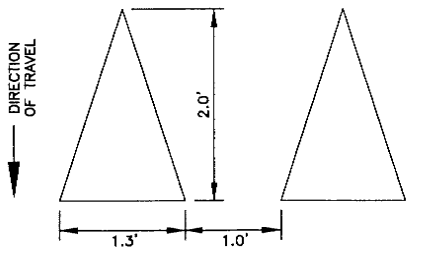
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
 CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)
 SMOKEJUMPER PARKING
 AND APPROACH
 GRADING PLAN

FILE 1: PROJECTS\ANCHORAGE\CPHWY00260 CTF BLM REALIGN\CD1016\PLANS\TRAFFIC\LEGEND.DWG DATE/TIME 4/27/2018 2:45 PM LAYOUT TRAF NOTES DESIGNED LAS CHECKED CLB DRAFTER MF

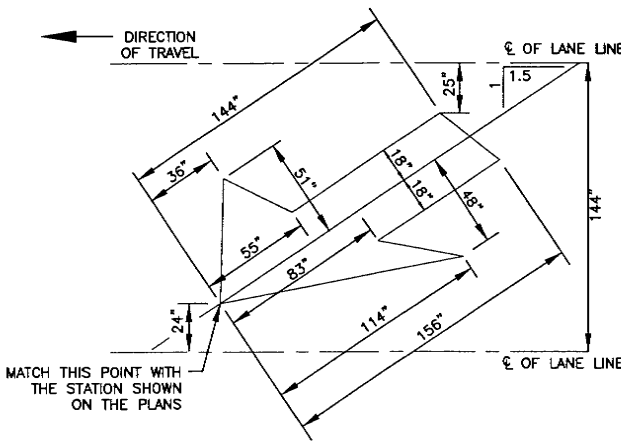
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			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H1	H26



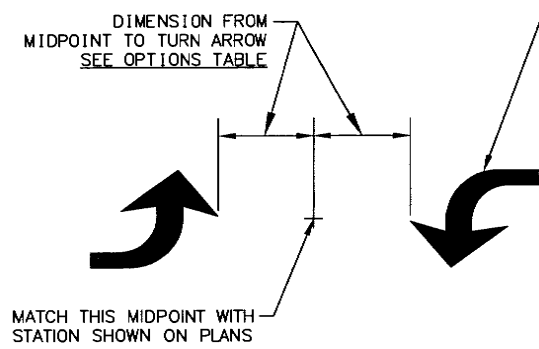
LEFT/THRU/RIGHT ARROW DETAIL



YIELD PAVEMENT MARKINGS DETAIL

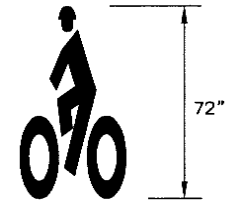


LANE DROP ARROW DETAIL



TWO WAY LEFT TURN ARROW DETAIL

OPTIONS	
POSTED SPEED	DIMENSION
35 MPH AND LESS	8 FEET
40 MPH-45 MPH	12 FEET
50 MPH AND GREATER	16 FEET



HELMETED MUTCD BIKE SYMBOL (EXCLUDE ARROW UNLESS SHOWN IN PLANS)

SIGNING & STRIPING NOTES:

- ALL STATION LOCATIONS FOR SIGN INSTALLATION ARE APPROXIMATE. INSTALL SIGNS AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- USE THE FOLLOWING DEFINITIONS TO DECIPHER THE ABBREVIATED SIGN POST TYPES IN THE SIGN SUMMARY SHEETS.
 - A. PT MEANS A PERFORATED STEEL TUBE.
 - B. T MEANS A SQUARE STEEL TUBE.
 - C. P MEANS A ROUND STEEL PIPE.
 - D. W MEANS A WIDE FLANGE BEAM.
 - E. POPL MEANS A POLE PLATE INSTALLED PER ITS STANDARD DRAWING S-23
- FABRICATE ALL SIGNS FROM 0.125" THICK ALUMINUM SHEETING, UNLESS STATED ELSEWHERE.
- FOR SIGNS SUPPORTED BY MULTIPLE POSTS, FABRICATE THE POSTS WITH THEIR TOPS LEVEL WITH ONE ANOTHER.
- FOR PERFORATED STEEL TUBE SIGNPOSTS, INSTALL THE CONCRETE FOUNDATION OPTION SHOWN ON STANDARD DRAWING S-30. TRIM EACH PT POST TO LIMIT THE LENGTH INSERTED INTO THE FOUNDATION TO 12 INCHES.
- FABRICATE GUIDE SIGNS ACCORDING TO THE SHOP DRAWINGS INCLUDED IN THE APPENDICES OF PART 4, CONTRACT PROVISIONS AND SPECIAL PROVISIONS. TRIM THE CORNERS OF ALL SIGNS TO THE RADIUS SHOWN ON EACH SHOP DRAWING.
- ERECT NEW SIGNS BEFORE REMOVAL OF EXISTING SIGNS WITH SIMILAR MESSAGE. NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO BEGINNING SIGN REMOVAL AND SALVAGE OR DISPOSAL ACTIVITIES.
- FOR SIGNS SUPPORTED BY MULTIPLE TUBES OR PIPES, LOCATE THE OUTER POSTS ON MAXIMUM SIX FEET CENTERS. INSTALL ADJACENT WIDE FLANGE POSTS ON MINIMUM EIGHT FEET CENTERS.
- SELECTIVE AND HAND CLEARING SHALL BE PERFORMED AT THE DISCRETION OF THE ENGINEER, IN ACCORDANCE WITH SECTION 201, UPSTREAM OF ALL SIGN INSTALLATION LOCATIONS TO ACHIEVE MINIMUM SIGN VISIBILITY REQUIREMENTS. IF NOT INCLUDED AS A SEPARATE ITEM, THIS WORK SHALL BE SUBSIDIARY TO THE SIGN INSTALLATION ITEMS AND WORK.
- FOR ALL FINAL PAVEMENT MARKINGS USE METHYLMETHACRYLATE MATERIALS. LONGITUDINAL, TRANSVERSE AND SYMBOL MARKINGS SHALL BE INLAID AND GORE STRIPES SHALL BE SURFACE APPLIED AS SPECIFIED IN SECTION 670 OF THE SPECIFICATIONS.
- DIMENSIONS REFER TO THE CENTER OF STRIPE AND THE EDGE OF PAVEMENT OR FACE OF CURB WHEN PRESENT.
- IF THE NEW AND EXISTING PAVEMENT MARKINGS ARE NOT ALIGNED AT MATCH LINE, TRANSITION BETWEEN THE TWO USING A 100:1 TAPER ON THE NEW PAVEMENT.
- WHERE NEW STRIPING IS TO EXTEND BEYOND PAVING LIMITS, REMOVE EXISTING STRIPING IN ACCORDANCE WITH SUBSECTION 670-3.04 TO THE EXTENT OF STRIPING LIMITS.

ABBREVIATIONS

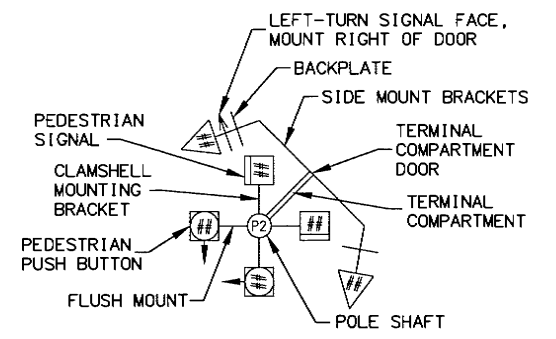
AWG	AMERICAN WIRE GAUGE	NB	NORTH BOUND
CAM	CAMERA	OMNI	OMNI DIRECTIONAL ANTENNA
EB	EAST BOUND	P#	TRAFFIC SIGNAL POLE #
GND	GROUND	PE	PHOTOELECTRIC CELL
HDPE	POLYETHYLENE CONDUIT	PED B ##	PEDESTRIAN PUSH BUTTON #
HEAD	VEHICULAR SIGNAL HEAD	PEDI	PEDESTRIAN SIGNAL HEAD
SIG	SIGNAL	PRE #	PREEMPTION #
I/C	INTERCONNECT	PRE CON #	PREEMPTION CONFIRMATION LIGHT #
INTX	INTERSECTION	RAD	RADAR
INTX L	INTERSECTION LIGHTING	RMC	RIGID METAL CONDUIT
LC	LOAD CENTER	SB	SOUTH BOUND
LFNC	LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT	TC	TRAFFIC CONTROLLER
LTG	LIGHTING	WB	WEST BOUND
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	YAGI	DIRECTIONAL ANTENNA

FOUNDATIONS NOTES:

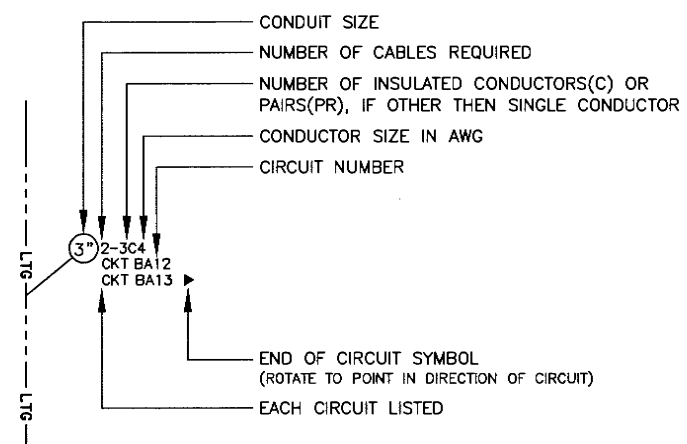
- STATION & C.L. REFERENCE ARE TO THE CENTER OF THE STRUCTURE, EXCEPT ON LOOPS WHICH ARE TO THE CENTER OF THE TRAILING EDGE OF THE LOOP (EDGE NEAREST INTERSECTION).
- JUNCTION BOX LOCATIONS APPROXIMATE. LOCATE J-BOXES SO THAT THEY ARE LOCATED OUT OF THE PATHWAY, SIDEWALK, CURB RAMPS, AND DRAINAGE COLLECTION AREAS.
- INSTALL LOAD CENTER AND TRAFFIC CONTROLLER FOUNDATIONS WITHIN 1-DEGREE OF PLUMB.
- INSTALL ANCHOR BOLTS IN CAST FOUNDATIONS TO BE WITHIN 1:40 OF PLUMB.
- TOPSOIL AND SEED ANY DISTURBED AREAS.

SIGNAL SYSTEM NOTES:

- FURNISH THE SIGNAL AND LUMINAIRE MASTARM LENGTHS AND DIMENSIONS SPECIFIED ON THE POLE ELEVATIONS.
- INSTALL DEVICES SUCH THAT THE DIMENSIONS SHOWN TO THE BOTTOM OF THE DEVICES ON THE POLE ELEVATIONS ARE MINIMUMS. VERTICAL DIMENSIONS TO SIGNAL HEADS ARE TO BOTTOM OF THE BACK PLATE.
- INSTALL MAST ARMS PERPENDICULAR TO THE ROADWAY CENTERLINE. ACCEPTABLE VARIANCE IS +/- 1-DEGREE.
- SALVAGE SIGNAL POLE ASSEMBLIES, SIGNS, SIGNAL FACES, AND LUMINARIES AND DELIVER TO MAINTENANCE AND OPERATIONS WITHIN 48-HOURS OF DECOMMISSIONING. COMPONENTS DAMAGED WHILE IN THE CONTRACTORS CUSTODY MUST BE REPLACED AT THE CONTRACTORS EXPENSE. REMOVE AND DISPOSE OF FOUNDATIONS.
- SALVAGE EXISTING CONTROLLER CABINET AFTER NEW CONTROLLER CABINET IS IN SERVICE AND DELIVER TO MAINTENANCE AND OPERATIONS WITHIN 48-HOURS OF DECOMMISSIONING.
- REMOVE ABANDONED OR UNUSED TRAFFIC JUNCTION BOXES UNLESS OTHERWISE NOTED.
- NEW SIGNAL HEADS THAT ARE MOUNTED BUT NOT IN OPERATION SHALL BE COVERED WITH A COMMERCIALY AVAILABLE SIGNAL-SHIRT. EACH SIGNAL SHIRT SHALL FEATURE ELASTICIZED OPENINGS THAT FIT OVER THE VISORS AND AT LEAST TWO STRAPS TO SECURE IT TO THE SIGNAL. PROVIDE SHIRTS WITH A LEGEND THAT READS "OUT OF SERVICE" AND A CENTER SECTION THAT ALLOWS AN OPERATOR TO SEE THE INDICATIONS DURING SYSTEM TESTS.
- SIGNAL HEADS ARE TO BE LOCATED PER FIGURE 4D-100, TYPICAL SIGNAL HEAD LOCATIONS, PER THE ALASKA TRAFFIC MANUAL. ACCEPTABLE VARIANCE IS +/- 1-FOOT.
- AIM SIGNALS PER TABLE 660-2, THROUGH-SIGNAL AIMING POINT, OF THE SPECIAL PROVISIONS. SIGNALS SHALL ALSO BE AIMED SO AS NOT TO BE VISIBLE FROM SIDE STREET TRAFFIC. ACCEPTABLE VARIANCE IS +/- 5 DEGREES.
- EXISTING CIRCUITS LISTED ON THE LOAD CENTER SUMMARY AND PLAN SHEETS WERE OBTAINED FROM AS-BUILT INFORMATION AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO WORK INVOLVING THOSE CIRCUITS.



POLE SHAFT LEGEND



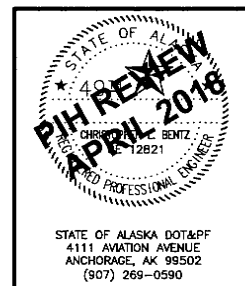
CIRCUIT LABELING LEGEND

CALL BEFORE YOU DIG!

CONTRACTOR SHALL CALL A MINIMUM OF 3 DAYS IN ADVANCE OF CONSTRUCTION

ALASKA DIGLINE....907-278-3121 OR 800-478-3121

CALL OR GO TO WWW.AKONECALL.COM/STATEWIDE.HTM
FOR MEMBER LIST OF WHO WILL BE NOTIFIED!



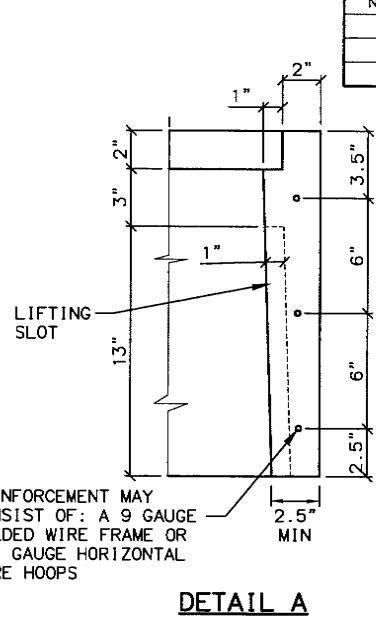
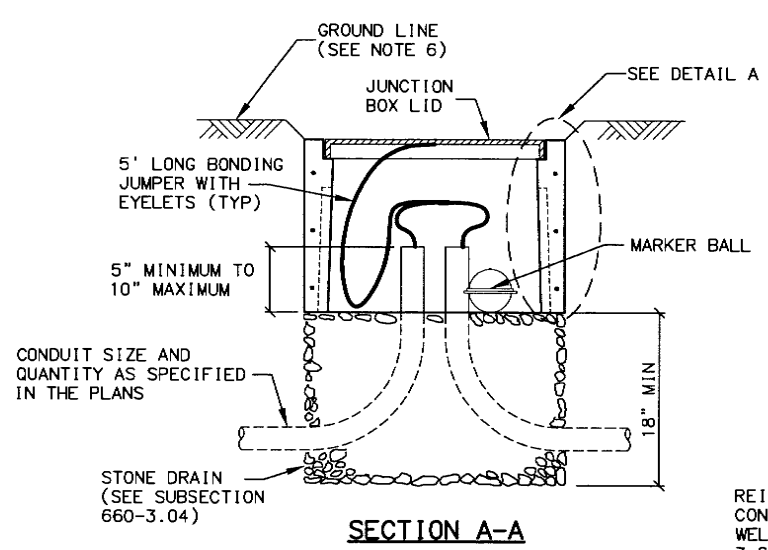
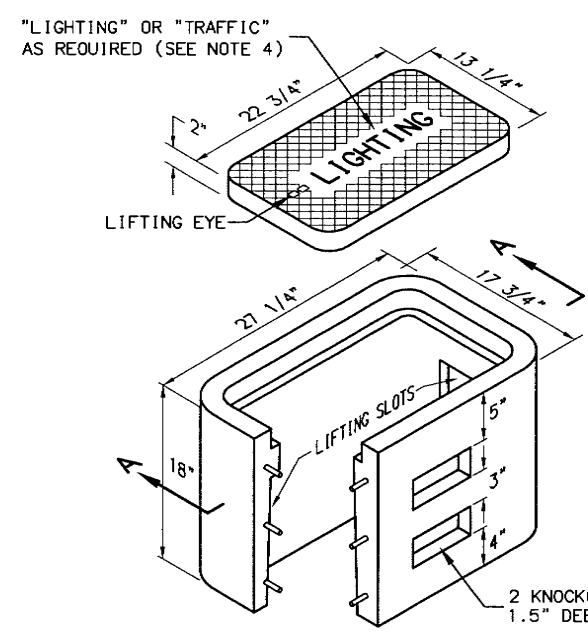
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**

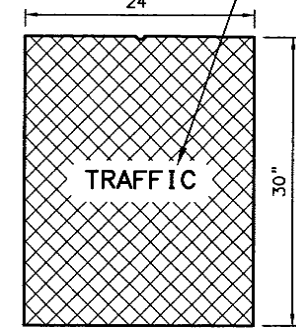
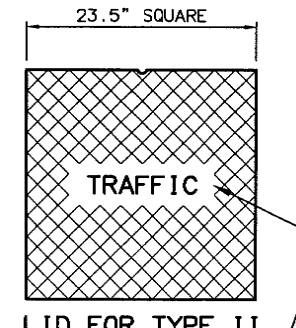
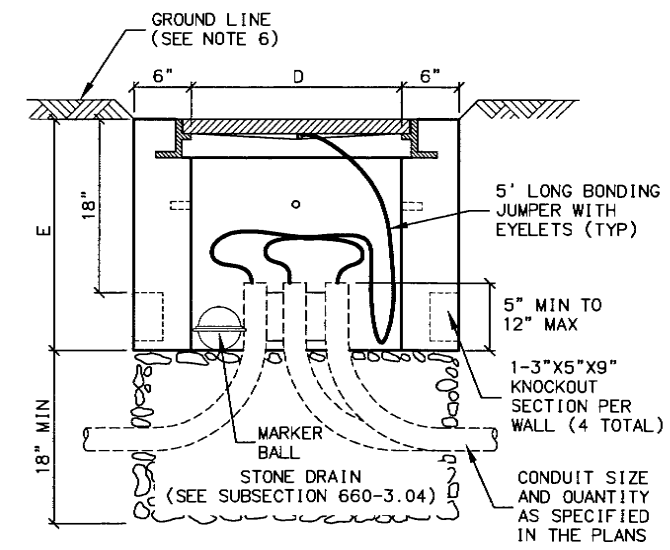
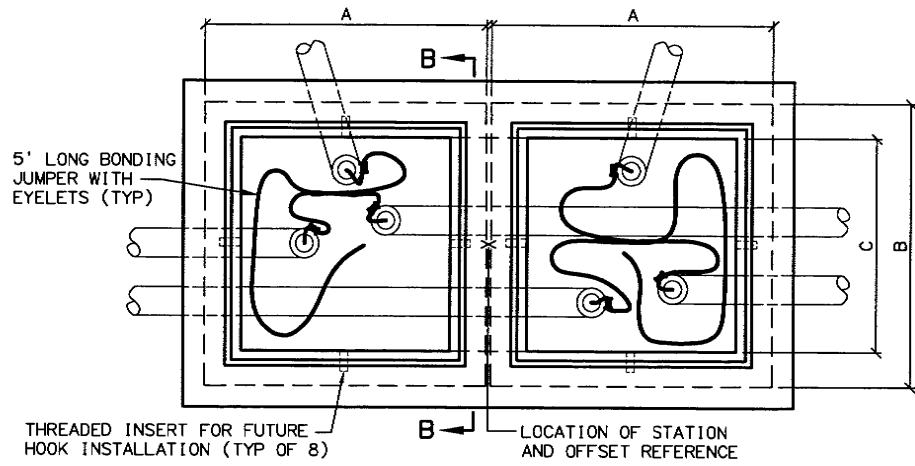
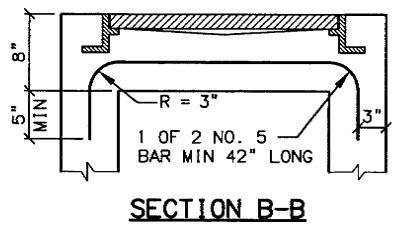
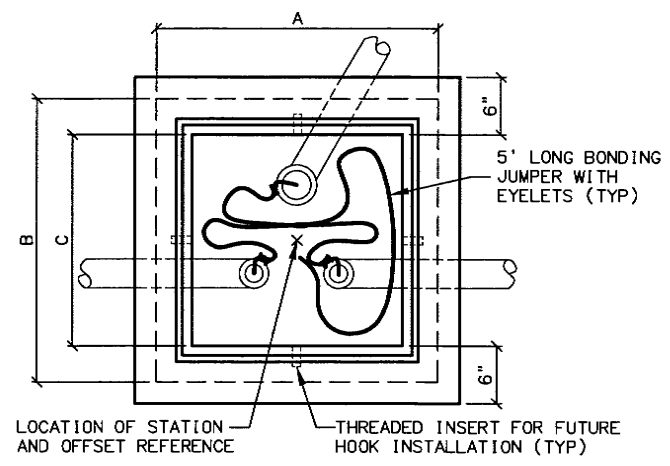
TRAFFIC GENERAL NOTES

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 DATE/TIME 4/27/2018 2:46 PM LAYOUT 08 J-BOX DESIGNED LAS CHECKED CLB DRAFTED MF

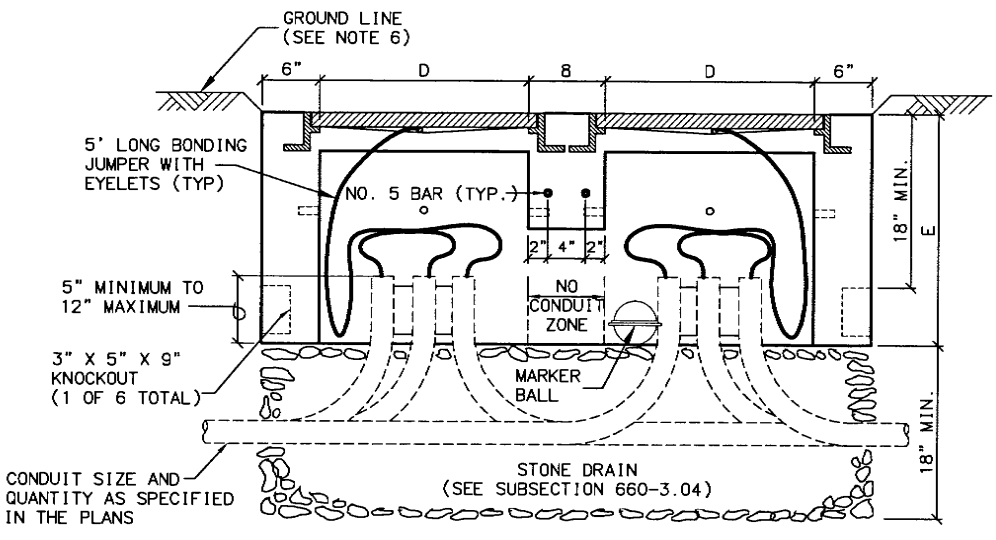
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H2	H26



TYPE IA JUNCTION BOX



"LIGHTING" OR "TRAFFIC" AS REQUIRED (SEE NOTE 4)



NOTES:

1. AVOID INSTALLING TYPE IA JUNCTION BOXES IN DRIVEWAYS OR IN LOCATIONS SUBJECT TO USE BY HEAVY TRUCKS. INSTALL JUNCTION BOXES ONLY AT THE LATERAL LOCATIONS ALLOWED IN SUBSECTION 660-3.04.
2. FURNISH TYPE II, III AND IV JUNCTION BOXES WITH CAST IRON FRAMES AND LIDS THAT WEIGH A MINIMUM OF 210 POUNDS AND ARE RATED FOR HEAVY TRAFFIC LOADS IN COMPLIANCE WITH AASHTO M306. FURNISH TYPE IA JUNCTION BOXES WITH CAST IRON LIDS THAT WEIGH A MINIMUM OF 50 POUNDS.
3. CONSTRUCT JUNCTION BOXES ACCORDING TO SECTION 501 USING CLASS A CONCRETE. REINFORCE TYPE IA JUNCTION BOXES AS SHOWN. SYNTHETIC STRUCTURAL FIBER-REINFORCED CONCRETE THAT MEETS ASTM C 1116 AND CONTAINS FIBER IN PROPORTIONS AS RECOMMENDED BY THE FIBER MANUFACTURER MAY BE ADDED FOR STRENGTH.
4. FOR JUNCTION BOXES THAT CONTAIN ILLUMINATION CONDUCTORS EXCLUSIVELY, FURNISH LIDS WITH THE WORD "LIGHTING" INSCRIBED INTO THEM. FOR OTHER JUNCTION BOXES, FURNISH LIDS WITH THE WORD "TRAFFIC" INSCRIBED INTO THEM.
5. UNDER JUNCTION BOXES, INSTALL STONE DRAINS THAT CONSIST OF POROUS BACKFILL MATERIAL CONFORMING TO SUBSECTION 703-2.10.
6. SET THE TOPS OF JUNCTION BOXES WITH THE FOLLOWING DIMENSIONS BELOW THE FINISHED SURROUNDING SURFACE:
 - 1" IN PAVED MEDIANS AND ADJACENT TO PEDESTRIAN FACILITIES
 - 1/4" IN PEDESTRIAN FACILITIES
 - 2" IN ALL OTHER AREAS
7. BOND JUNCTION BOX LIDS TO THE SYSTEM OF EQUIPMENT GROUNDING CONDUCTORS ACCORDING TO SUBSECTION 660-3.06. ATTACH BONDING JUMPERS TO THE JUNCTION BOX LIDS WITH BRASS OR STAINLESS STEEL HARDWARE.
8. INSTALL LOOP DETECTOR TAILS THROUGH ONE OF THE KNOCKOUTS OF TYPE IA JUNCTION BOXES. AFTER SETTING THE BOXES TO GRADE, INSTALL GROUT IN THE GAPS THAT REMAIN IN THE KNOCKOUT.
9. INSTALL A 1/2" THICK PREFORMED BITUMINOUS JOINT MATERIAL AROUND JUNCTION BOXES INSTALLED IN PORTLAND CEMENT CONCRETE WALKWAYS.
10. INSTALL AN ELECTRONIC MARKER BALL IN ALL JUNCTION BOXES PER SUBSECTION 660-3.04.
11. PRIOR TO INSTALLATION MARK ALL JUNCTION BOX LOCATIONS WITH A WIRE STAFF VINYL FLAG. THE FLAG SHALL BE RED IN COLOR AND MINIMUM 4-INCHES TALL BY 5-INCHES WIDE. THE WIRE STAFF SHALL BE 21-INCHES IN LENGTH AND CONSTRUCTED OF MINIMUM 15.5 GAUGE STEEL.

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



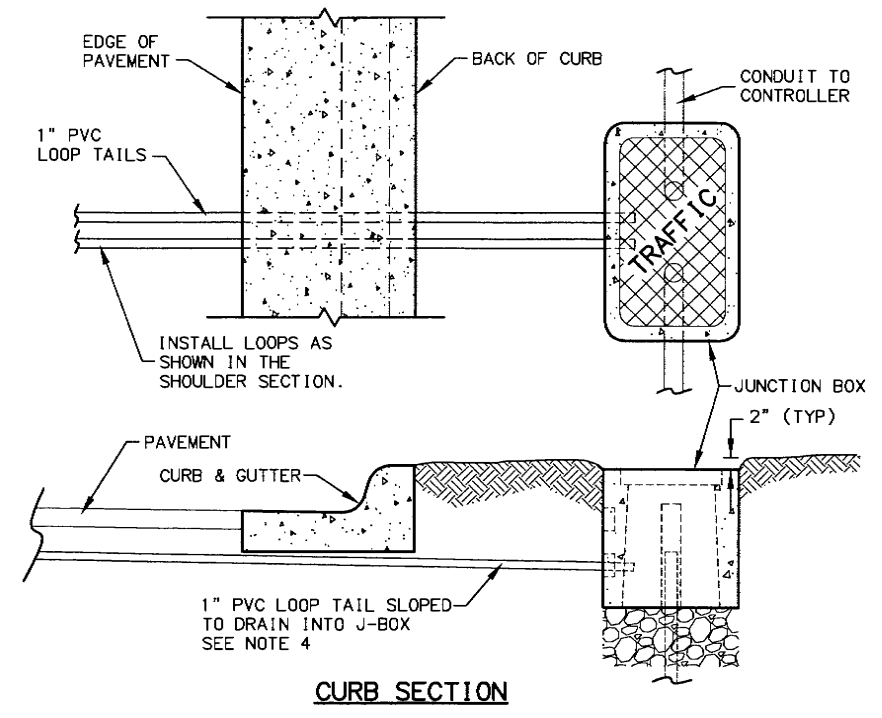
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JUNCTION BOX DETAILS

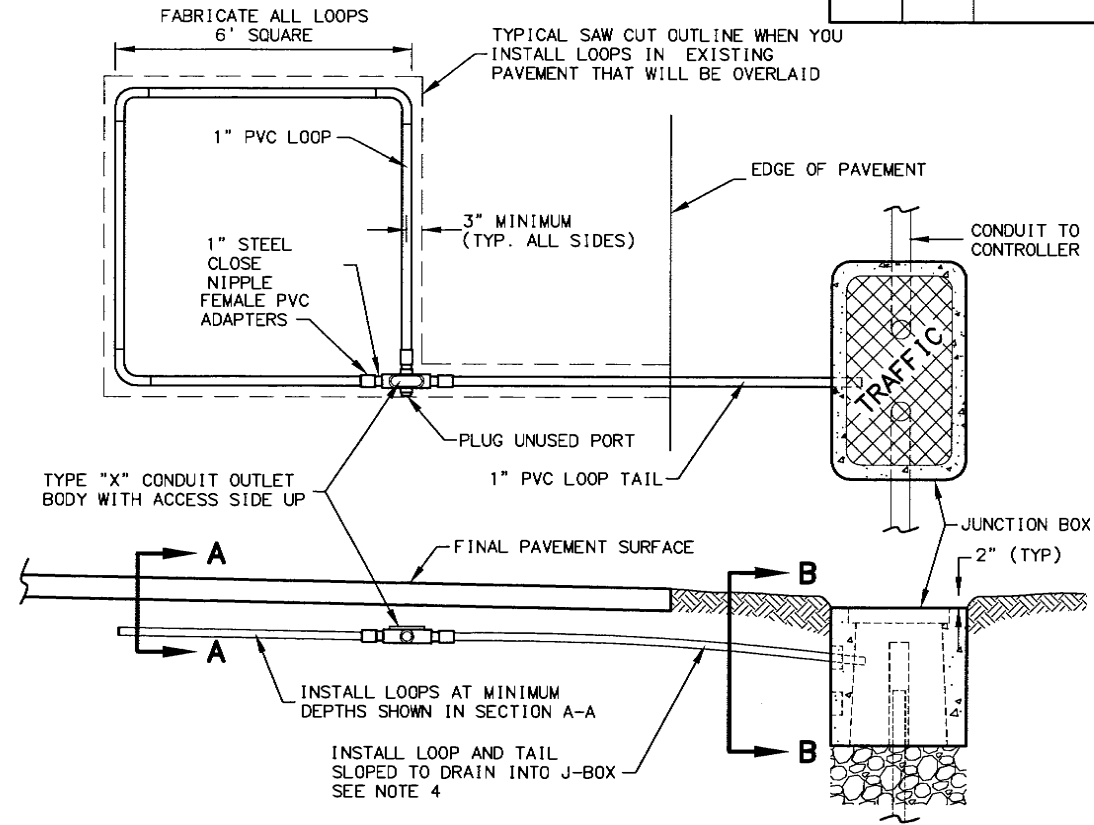
STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
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 CHECKED: CLB
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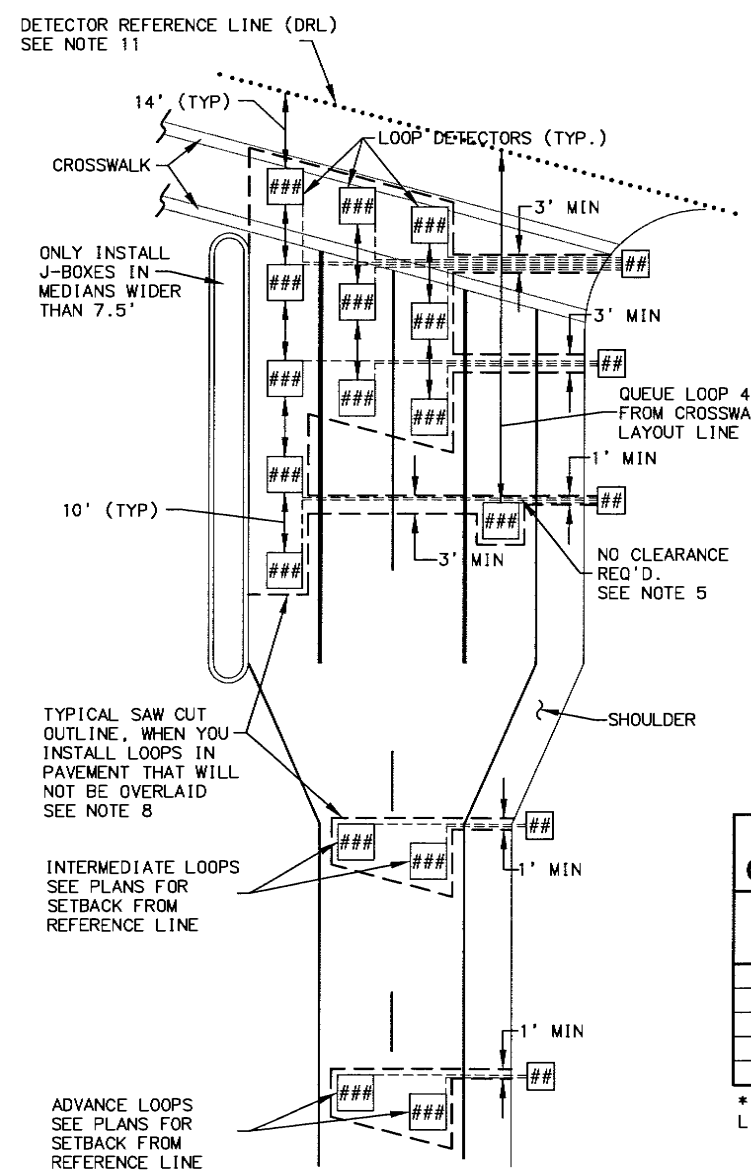
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H3	H26



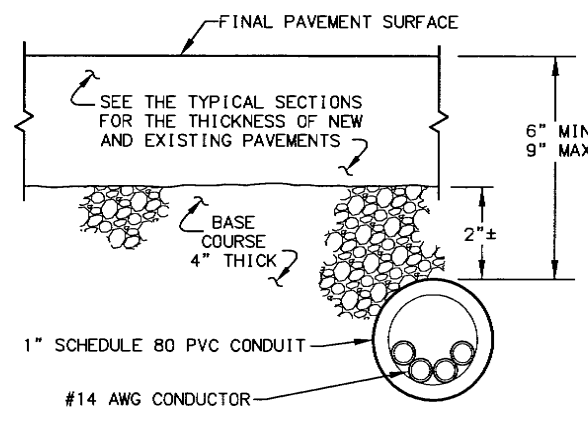
CURB SECTION



SHOULDER SECTION

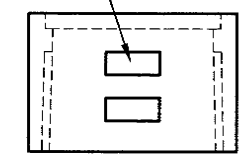


TYPICAL LOOP SETBACKS
MEASURE THE SETBACKS FROM THE DRL LAYOUT LINE ALONG THE CENTER OF EACH LANE



SECTION A-A

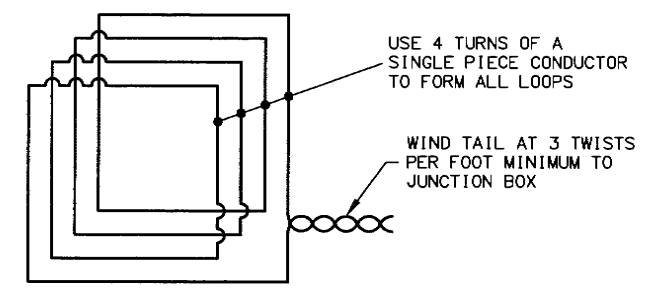
2 KNOCKOUTS CENTERED ON ONE SIDE 1 1/2" DEEP X 3" HIGH X 7" WIDE FOR LOOP DETECTOR INSTALLATION



SECTION B-B

DETECTOR LOOP SPACING ON HIGH SPEED APPROACHES		
POSTED SPEED (MPH)	ADVANCED LOOP *	INTERMEDIATE LOOP *
35	255	170
40	285	190
45	330	210
50	355	235
55	385	255

* SETBACK FROM DETECTOR REFERENCE LINE (FEET)

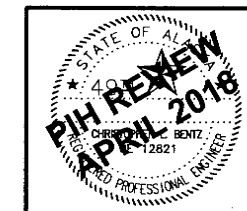


LOOP WIRING DETAIL

TYPICAL PVC CONDUIT ENCASED LOOP DETECTOR INSTALLATION

NOTES:

- EACH LOOP DETECTOR SHALL CONSIST OF A SINGLE PIECE OF #14 AWG CONDUCTOR INSTALLED IN ONE INCH SCHEDULE 80 PVC CONDUIT. BUILD ALL LOOPS 6.0 FEET SQUARE, SOLVENT WELDING ALL PVC TO PVC JOINTS. USE TYPE X OUTLET BODIES MADE OF HOT DIP GALVANIZED STEEL TO JOIN THE LOOPS AND TAILS.
- INSTALL 4 TURNS OF CONDUCTOR IN ALL LOOPS AND PROVIDE TAILS THAT EXTEND TO THE JUNCTION BOX SPECIFIED ON THE PLANS. USE #14 AWG CONDUCTOR IN A POLYETHYLENE TUBE CONFORMING TO IMSA SPECIFICATION 51-5. WIND THE TAIL CONDUCTORS TOGETHER AT A RATE OF 3 TWISTS PER FOOT.
- INSTALL ALL LOOP DETECTORS BEFORE OVERLAYING THE EXISTING PAVEMENT OR PAVING THE NEW ROADWAY.
- INSTALL ALL LOOP DETECTORS SLOPED TO DRAIN INTO THE JUNCTION BOX THE LOOP TAIL ENTERS. IF YOU CAN NOT INSTALL THE LOOP TO DRAIN INTO THE J-BOX, DRILL FIVE 1/4" WEEP HOLES ON 1 FOOT CENTERS IN THE UNDERSIDE OF THE CONDUIT AT THE LOW SPOT.
- YOU MAY INSTALL A LOOP TAIL IMMEDIATELY ADJACENT TO A LOOP AND OTHER LOOP TAILS. LOOP TAILS SHALL NOT CROSS LOOP CONDUITS.
- TEST ALL LOOP DETECTORS FOR CONTINUITY AND INSULATION INTEGRITY BEFORE SEALING THE LOOPS UNDER THE FINAL LIFT OF ASPHALT. PROVIDE THE ENGINEER A WRITTEN RECORD OF FIELD TESTING INCLUDING: CONTINUITY, INSULATION RESISTANCE AND INDUCTANCE TESTS AS REQUIRED IN SECTION 660-3.01(7) OF THE STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION.
- WHEN INSTALLING LOOP DETECTORS IN EXISTING PAVEMENT, CUT THE ASPHALT WITH A SAW AND REMOVE ALL ASPHALT WITHIN THE SAW CUT. MATCH EXISTING PAVEMENT THICKNESS WHEN REPAIRING THE CUTOUT.
 - REMOVE ALL PAVEMENT FROM THE LENGTH OF THE FIVE LOOP PRESENCE FIELDS.
 - ENCLOSE ALL LOOPS THAT ENTER A COMMON JUNCTION BOX WITHIN A TRAPEZOIDAL SAW CUT.
 - CUT TO WITHIN 1 FOOT OF THE LANE AND EDGE LINES, PRESERVING THESE PAVEMENT MARKINGS;
 - REMOVE THE ASPHALT TO THE LIP OF THE GUTTER WHERE THERE ARE NO EDGE LINES;
 - CUT ACROSS LANE LINES WHEN LOOPS IN ADJACENT LANES ARE SIDE BY SIDE;
 - CUT TRENCHES CROSSING A LANE A MINIMUM OF 3 FEET WIDE; AND
 - CUT TRENCHES CROSSING A SHOULDER A MINIMUM 1 FOOT WIDE.
- HEAT AND TACK COAT THE EDGES OF EXISTING PAVEMENT BEFORE PAVING THE CUTOUTS. COMPACT THE ASPHALT MIXTURE WITH A SELF-PROPELLED STEEL WHEELED ROLLER. FURNISH ASPHALT MIX THAT CONFORMS TO SECTION 401 OF THE SPECIFICATIONS, AND IS APPROVED BY THE ENGINEER.
- MAINTAIN THE REPLACEMENT ASPHALT MIX ABOVE A TEMPERATURE OF 225°F UNTIL THE TIME OF APPLICATION; IF NECESSARY, STORE THE MIX IN AN INSULATED BOX TO MAINTAIN THIS MINIMUM TEMPERATURE.
- TO ESTABLISH DETECTOR REFERENCE LINE, LAYOUT A LINE PARALLEL TO THE CROSS STREET CENTER LINE, STARTING AT THE CURB RETURN TO THE RIGHT OF THE APPROACH.
- ENSURE DEPTH OF BASE COURSE AT LOOP LOCATIONS IS A MINIMUM OF 4 INCHES. EXCAVATION AND INSTALLATION OF ADDITIONAL BASE COURSE NECESSARY TO MEET THIS REQUIREMENT IN EXISTING ROAD SECTIONS SHALL BE SUBSIDIARY TO TRAFFIC LOOP PAY ITEM.



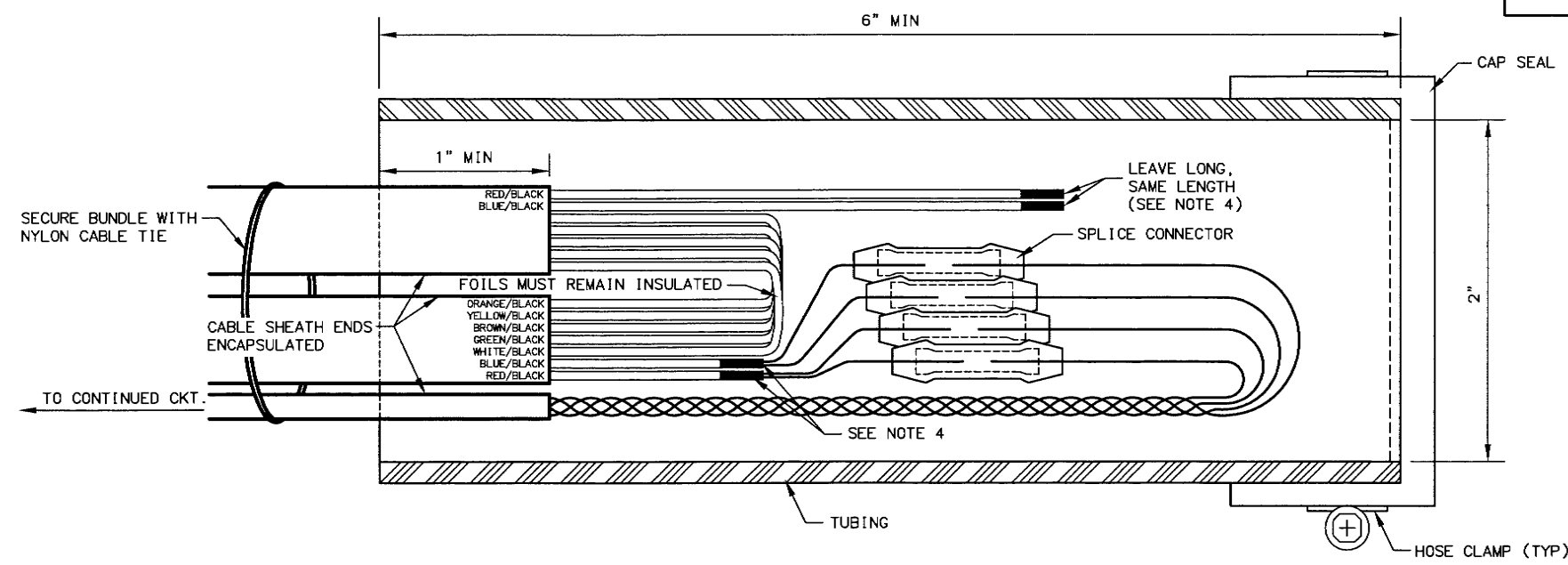
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LOOP DETECTOR DETAILS

FILE I:\PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_REALIGN\CAD\16\PLANS\10-SPLICE.DWG
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H4	H26

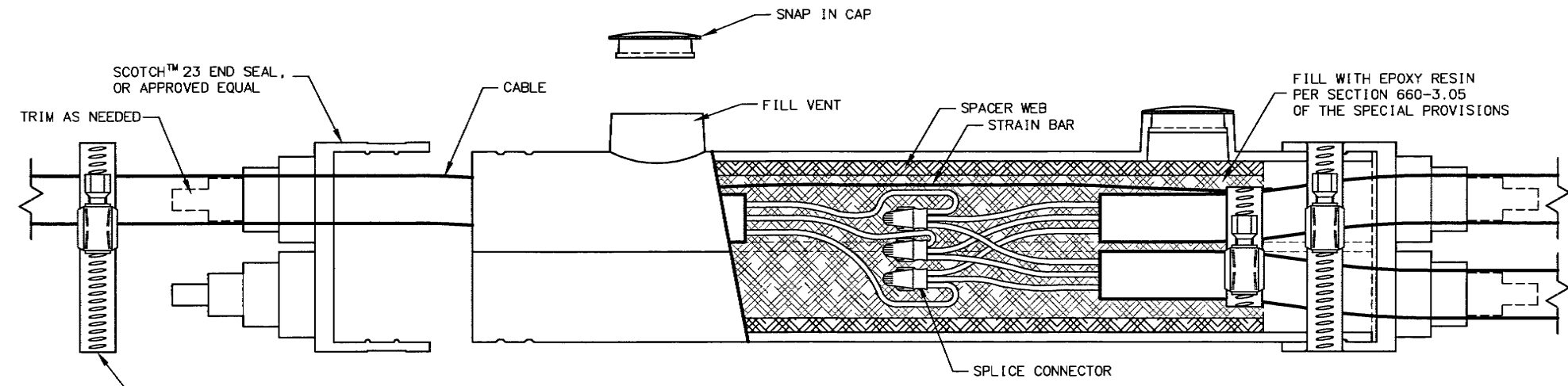


LOOP LEAD-IN SPLICE

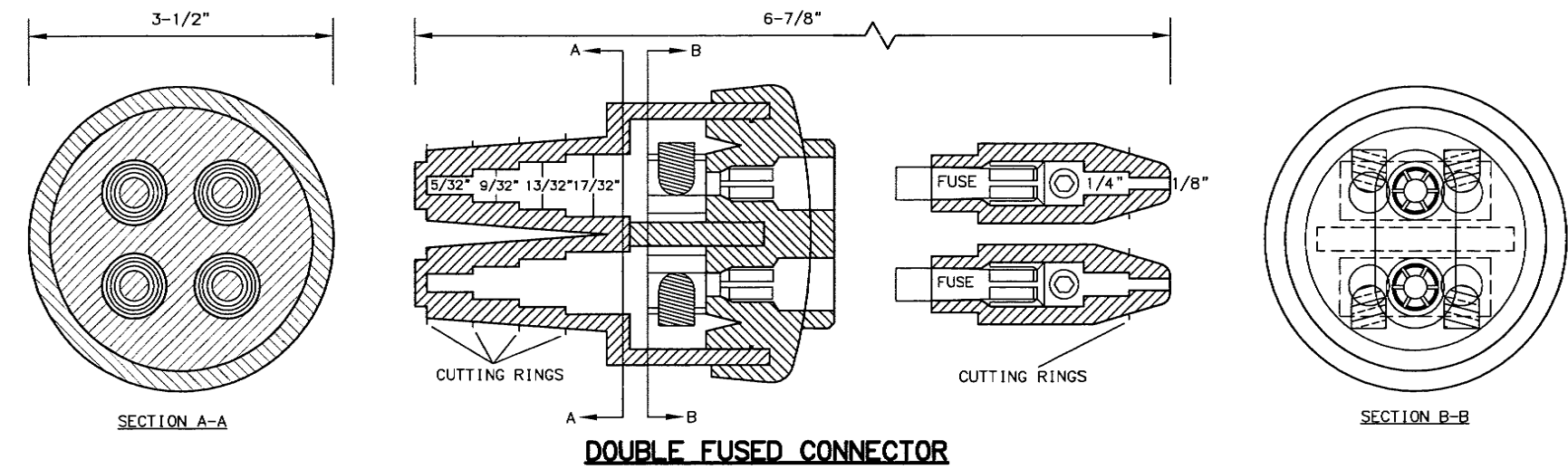
NOTES:

- LOOP LEAD-IN SPLICE**
1. FABRICATE LOOP LEAD-IN SPLICE IN THE FIELD AS SHOWN.
 2. CAP SEAL ONE END AND COMPLETELY FILL OPEN END WITH RE-ENTERABLE ENCAPSULATION COMPOUND TO EDGE OF TUBING.
 3. LEAVE A MINIMUM OF 1/2" CLEARANCE BETWEEN THE ENCLOSURE AND THE SPLICE AT BOTH ENDS OF THE TUBING.
 4. EXPOSE FOIL AND DRAIN WIRES, SEAL WITH HEAT SHRINK TUBING (TYP).
 5. INSTALL SPLICE CONNECTORS ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- POWER CABLE SPLICE**
6. SECURE CABLE/CONNECTOR BUNDLE WITH HOSE CLAMPS AS SHOWN.

MATERIAL PROPERTIES	
LOOP LEAD-IN SPLICE	
TUBING	PER SECTION 660-3.05
CAP SEAL	FERNCO QWIK CAP #QC-102, OR APPROVED EQUAL
HOSE CLAMP	STAINLESS STEEL
SPLICE CONNECTOR	ML56-16, OR APPROVED EQUAL
COMPOUND	RE-ENTERABLE ENCAPSULATION
POWER CABLE SPLICE	
SPLICE KIT	3M MODEL 78R, OR APPROVED EQUAL
SPLICE CONNECTOR	SCOTCHLOCK G, R, OR Y SPRING CONNECTOR, OR APPROVED EQUAL
HOSE CLAMP	(4)- STAINLESS STEEL
EPOXY RESIN	PER SECTION 660-3.05
DOUBLE FUSED CONNECTOR	
DOUBLE FUSED CONNECTOR	SEC-1791-DF-1, OR APPROVED EQUAL
FUSES	(2) - COMPATIBLE 10-AMP



POWER CABLE SPLICE



DOUBLE FUSED CONNECTOR



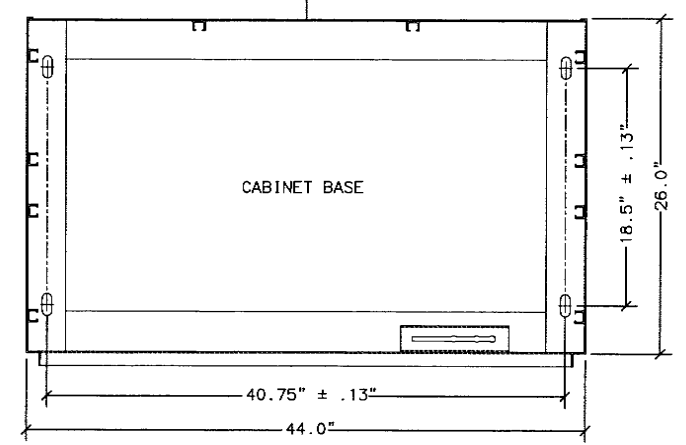
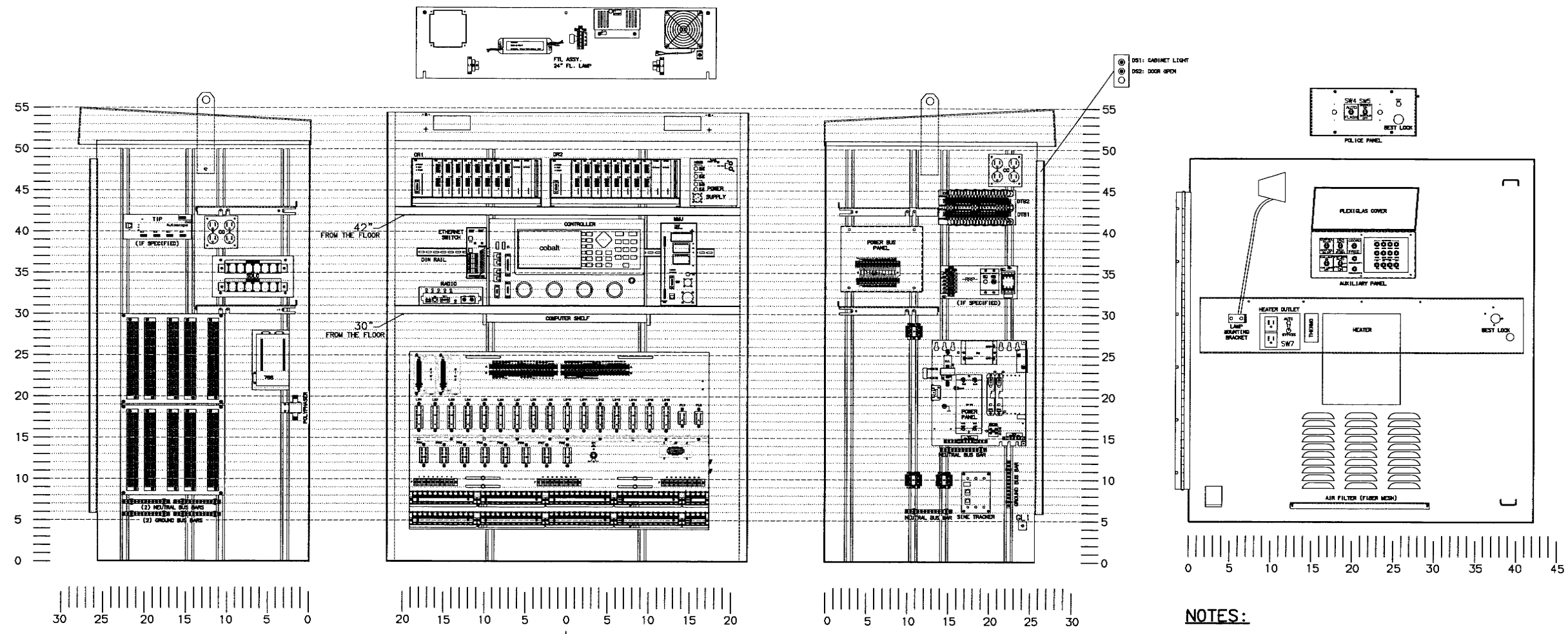
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SPLICE DETAILS

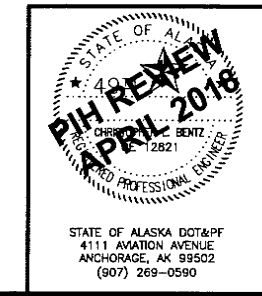
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- NOTES:**
1. PROVIDE SPARE SDLC CABLE IN CABINET.
 2. PROVIDE FULLY FUNCTIONING FACTORY WIRED CABINET.
 4. PROVIDE TWO SHELVES INSIDE THE CABINET.



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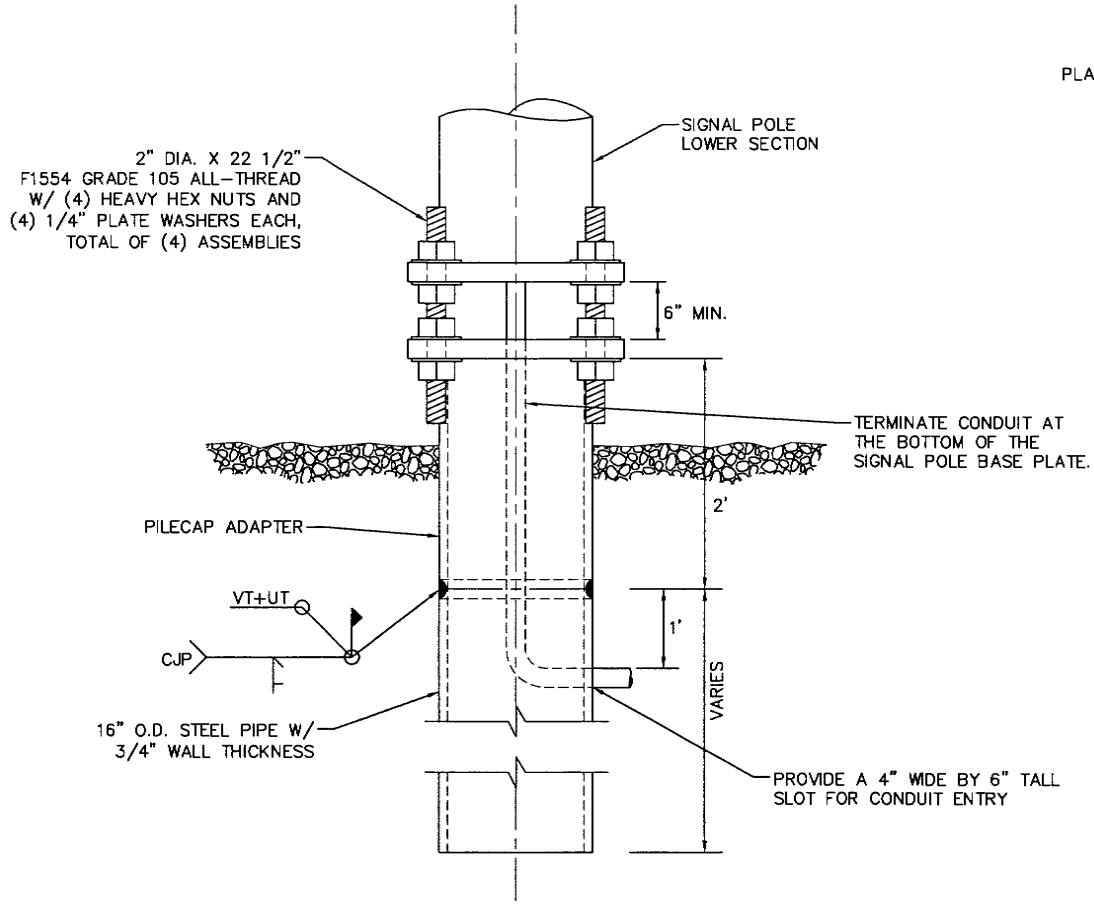
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**TS2 SIZE 6 CONTROLLER
 ASSEMBLY DETAILS**

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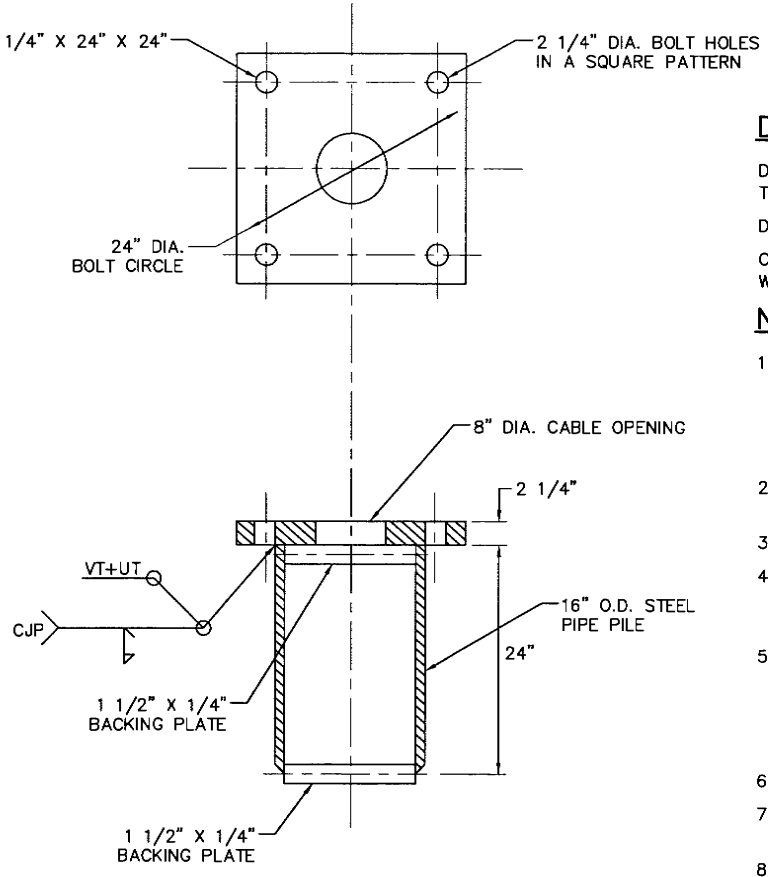
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H6	H26



FOUNDATION DETAIL
N.T.S.

NOTE: SEE STANDARD DRAWING T-55.00 FOR SIGNAL POLE ORIENTATION AND BASE PLATE DETAILS



PILE CAP ADAPTER DETAIL
N.T.S.

NOTE: TACK WELD BACKING PLATE TO PIPE PILE SECTION

DESIGN NOTES

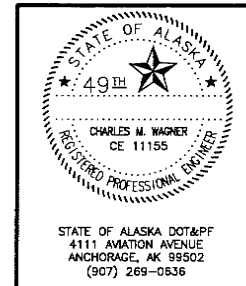
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 DESIGN LOADS: 6,500 LBS SHEAR, 175 KIP-FIT MOMENT AND 6,500 LBS AXIAL.
 CONSTRUCTION STANDARD: STATE OF ALASKA STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, 2015 WITH 2015 STANDARD MODIFICATIONS AND 2004 SPECIAL PROVISIONS.

NOTES

1. DRIVE ALL PILES OPEN ENDED WITH FLUSH MOUNTED, HARDENED DRIVING SHOES. COMPLETE PILE DRIVING WORK IN ACCORDANCE WITH SECTIONS 505, 660 AND 715 OF THE STANDARD SPECIFICATIONS. INSTALLED PILE TO BE WITHIN 1/4" PER FOOT OF PLUMB. PILES OUT OF PLUMB MUST BE REMOVED AND REINSTALLED. CUT OF PILE TO ACHIEVE PROPER ELEVATION. THE RESULTING BUT JOINT ALIGNMENT SHALL MEET THE REQUIREMENTS OF AWS D1.
2. PILE MANUFACTURER TO PROVIDE THE REQUIRED PILE CAP ADAPTER. HOT DIP GALVANIZE THE ADAPTER TO WITHIN 3 INCHES OF THE TOE. DELIVER THE ADAPTER WITH ALL FASTENERS AND HARDWARE.
3. MACHINE OR PLASMA CUT ANY PENETRATION IN THE ADAPTER OR PILE. OXY-FUEL CUTTING IS PROHIBITED.
4. ALL WELDS TO BE SIZE BY THE MANUFACTURER. BOTH SHOP AND FIELD CJP WELDS TO BE 100% VISUALLY (VT) AND ULTRASONICALLY (UT) TESTED. SUBMIT WRITTEN RECORDS OF TESTS TO THE PROJECT ENGINEER.
5. MANUFACTURE THE ADAPTER TOP PLATE AND COMPONENTS FROM STEEL MEETING THE REQUIREMENTS OF ASTM A6. THE PERMISSIBLE BOW AND SWEEP OF THE ADAPTER TOP PLATE IS LIMITED TO 1/32". PLATE SHALL BE FLATTENED IN THE SHOP PRIOR TO FIT-UP AND WELDING IN THE SHOP. PRIOR TO HOT DIP GALVANIZING, BURRS AND IMPERFECTIONS SHALL BE REMOVED BY GRINDING OR MACHINING FOR ANY MATERIALS AND OR ASSEMBLIES NOT MEETING THESE REQUIREMENTS.
6. HOT DIP GALVANIZE THE PILE TO WITHIN 3 INCHES OF THE TOP OF THE PILE PER AASHTO M111.
7. CONNECT THE GROUND WIRE TO THE PIPE PILE ON THE INSIDE. GROUND WIRE SHALL BE BARE SOLID, STRANDED OR BRAIDED COPPER.
8. INSTALL THE PILE CAP ADAPTER TO WITHIN 0.1 DEGREES OF PLUMB.
9. PROVIDE ANCHOR ROD MATERIAL MEETING THE REQUIREMENTS SHOWN ON THE DETAIL AND AS LISTED IN THE MATERIAL PROPERTIES TABLE. ANCHOR RODS TO BE SNUG-TIGHT TO THE POLE BASE PLATE AND PILE CAP ADAPTER TOP PLATE.
10. AFTER THE FIELD WELDING, ELECTRICAL CONDUIT AND ELECTRICAL CONDUCTOR WORK IS COMPLETE, BACKFILL AND COMPACT SOIL AROUND THE INSTALLED PILE IN ACCORDANCE WITH SECTION 205, SUBSECTIONS 203-3.04, 660-3.01 AND 660-3.02 OF THE SPECIFICATIONS. USE SELECT TYPE A MATERIAL ONLY AS BACKFILL.

MATERIAL PROPERTIES		
ANCHOR RODS, 2" X 22.5"	ASTM F1554	GRADE 105
FASTENERS, WASHERS	AASHTO M270	GRADE 36
FASTENERS, NUTS	AASHTO M292	
ANCHOR ROD AND HARDWARE FINISH	AASHTO M232	
ANCHOR PLATE	AASHTO M270 F3	GRADE 50
PIPE PILE	API 5L	GRADE 52
PIPE PILE AND ADAPTER FINISH	AASHTO M111	
CONDUIT	SCH 40	RMC
GROUND WIRE		#4 awg

MATERIAL PROPERTIES		
ITEM	STANDARD	RATING
ANCHOR RODS, 2" X 22.5"	ASTM F1554	GRADE 105
FASTENERS, WASHERS	AASHTO M270	GRADE 36
FASTENERS, NUTS	AASHTO M292	
PILE CAP ADAPTER	AASHTO M270 F3	GRADE 50
PIPE PILE	API 5L	GRADE 52
FINISH, PIPE PILE AND ADAPTER	AASHTO M111	
FINISH, ANCHOR ROD AND FASTENERS	AASHTO M232	
CONDUIT	SCH 40	RMC
GROUND WIRE		#4 AWG

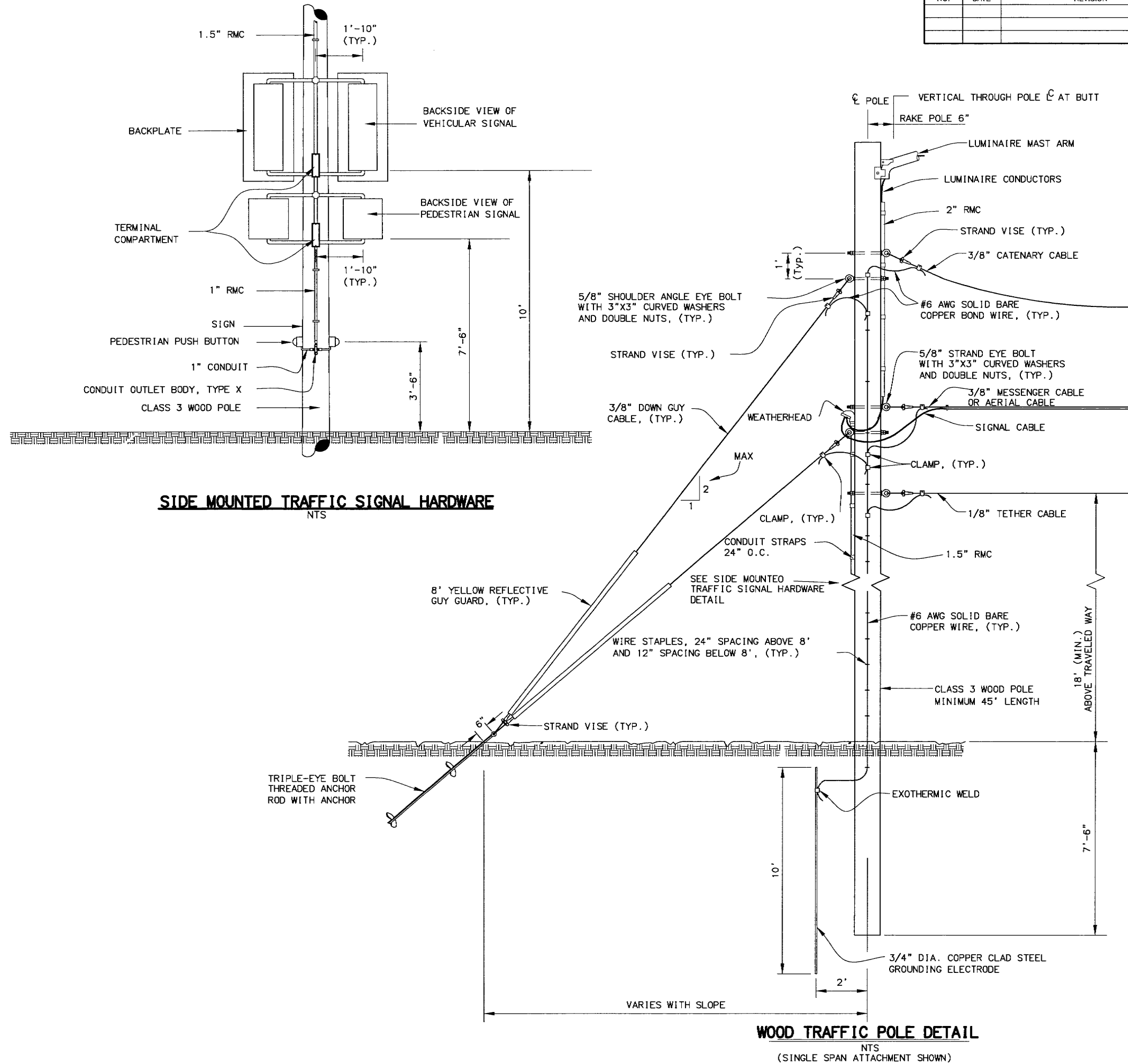


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**SIGNAL POLE PIPE PILE
 DETAILS**

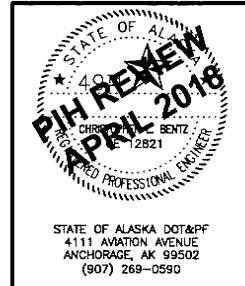
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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NOTES:

1. USE SIGNAL FRAMES WITH TERMINAL COMPARTMENTS TO INSTALL THE VEHICULAR AND PEDESTRIAN SIGNAL HEADS ON THE SIDES OF THE WOOD POLES.
2. SECURELY ATTACH THE TERMINAL COMPARTMENTS TO THE WOOD POLES AT THE LOCATIONS SHOWN ON STANDARD DRAWING T-30 OR THE SIGNAL HARDWARE DETAIL SHEET IN PLANS.
3. THE VERTICAL CLEARANCES SHOWN ARE FROM THE WALKING SURFACE FOR THE PEDESTRIAN GEAR AND THE TRAVELED WAY FOR THE VEHICULAR SIGNALS.
4. TERMINATE POLES WITH NO LUMINAIRE A MINIMUM OF 2 FEET ABOVE THE CATENARY CABLE CONNECTION.
5. SEE STANDARD DRAWING T-30 OR THE SIGNAL HARDWARE DETAIL SHEET IN PLANS FOR ADDITIONAL TRAFFIC SIGNAL HARDWARE DETAILS.
6. ALL 3/8 INCH SPAN AND GUY CABLE SHALL BE HEAVY DUTY (HD) STEEL WITH MINIMUM 9,700 LB BREAKING STRENGTH. ALL OTHER CABLES SHALL ALSO BE HD RATED.
7. GUY ANCHOR SHALL BE INSTALLED PER MANUFACTURER RECOMMENDATIONS. SOIL CLASSIFICATION SHALL BE USED TO DETERMINE ANCHOR SIZE, FOLLOW MANUFACTURE GUIDELINES AND CONFIRM SOIL CLASSIFICATION WITH ENGINEER PRIOR TO ANCHOR SELECTION.



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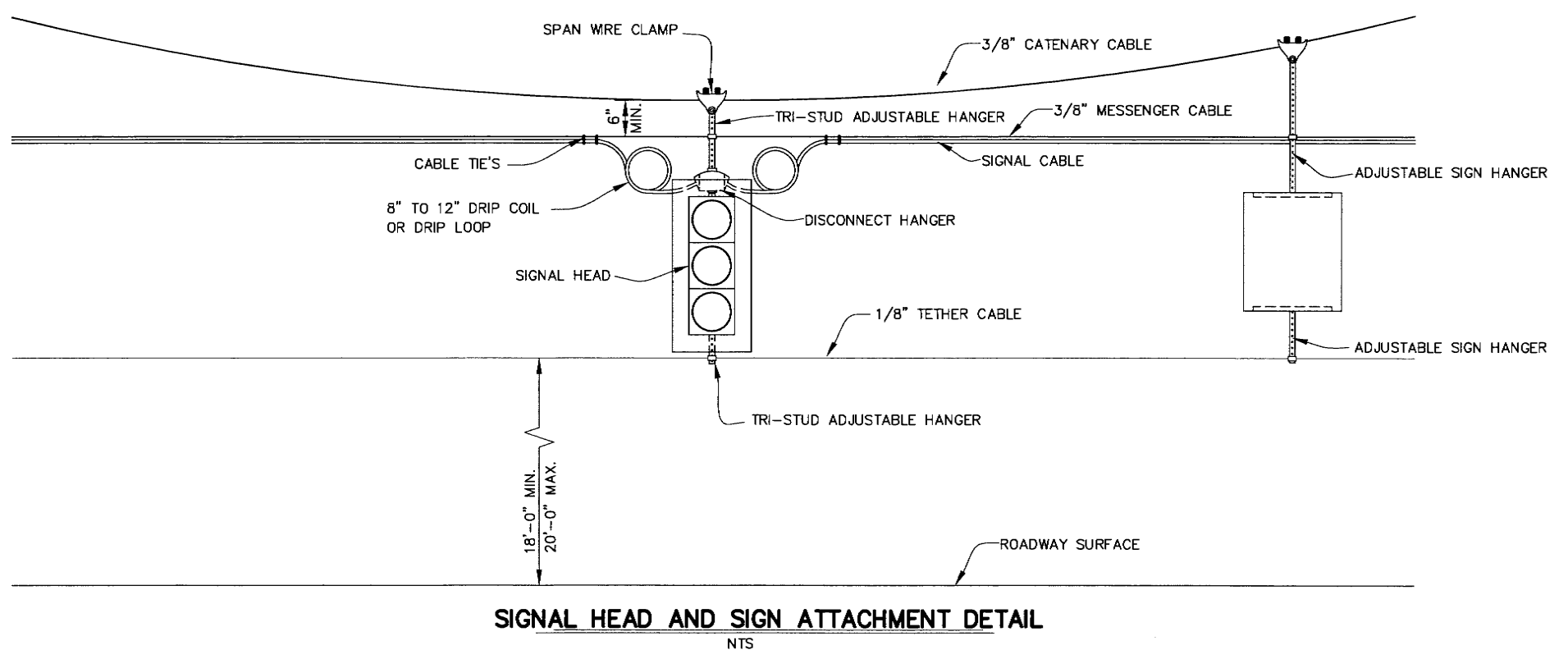
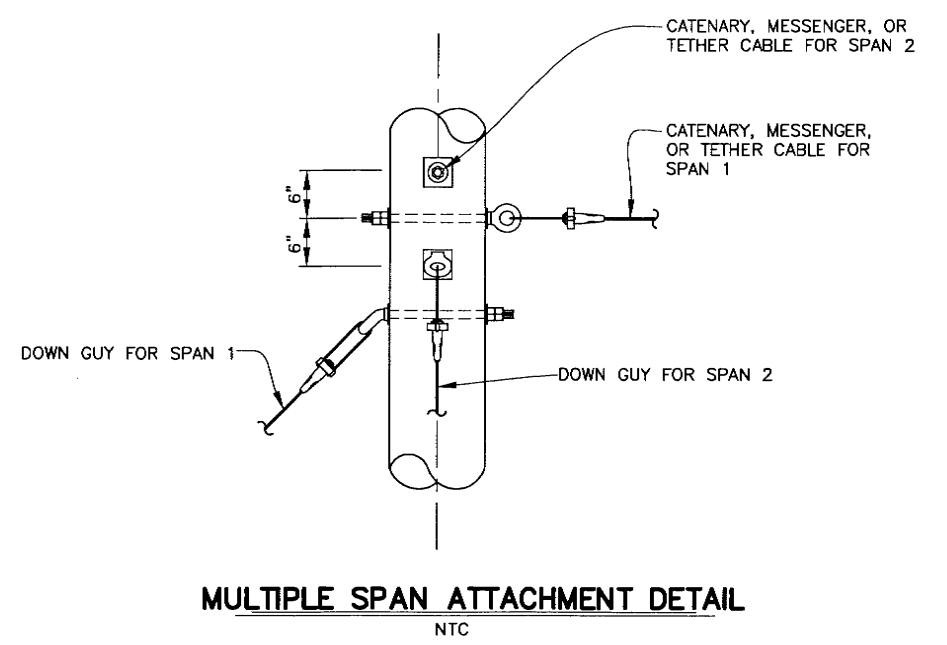
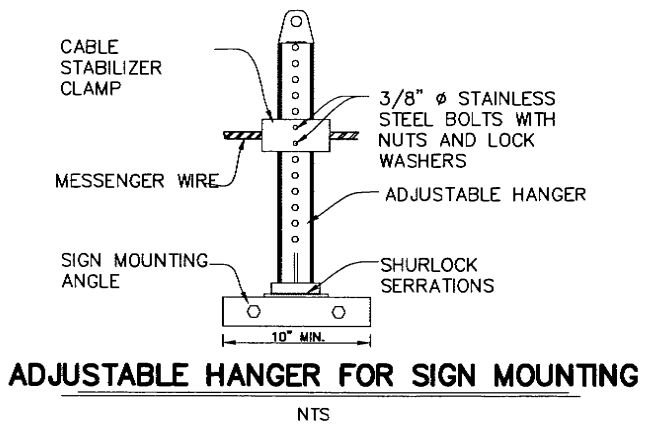
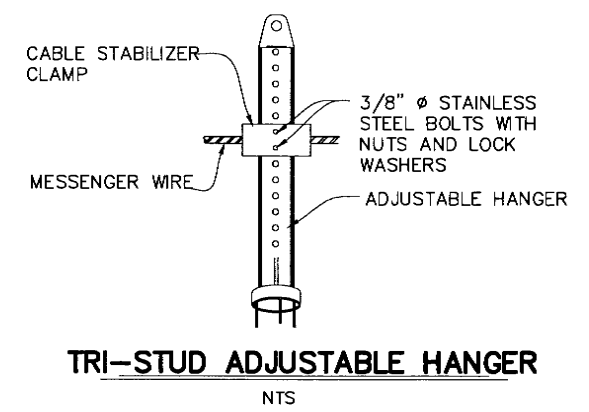
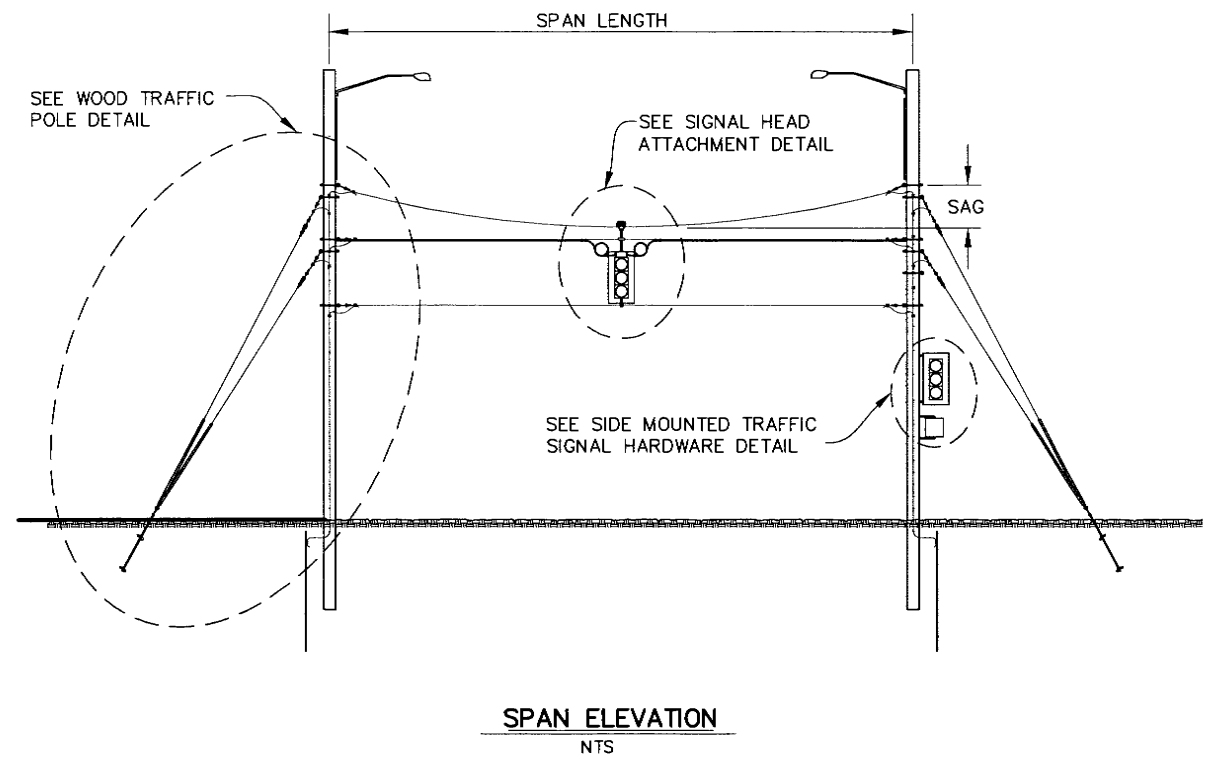
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**TEMPORARY WOOD SIGNAL
 POLE DETAILS**

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 26-SPAN_WIRE [DRAFTED] [CLB] [CHECKED] [LAS] [DESIGNED]

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NOTES:

1. ATTACH ADJUSTABLE HANGERS TO THE MESSENGER AND TETHER CABLES WITH CABLE STABILIZER CLAMPS.
2. ATTACH SIGNAL CABLES TO MESSENGER CABLE EVERY 1' USING 3M HEAVY DUTY BLACK CABLE TIES OR APPROVED EQUAL. CABLE TIES SHALL BE WEATHER RESISTANT BLACK NYLON GREATER THAN 0.065" THICK, HAVE A TENSILE STRENGTH GREATER THAN 110LBS, AND HAVE A TEMPERATURE RANGE BETTER THAN -35°F TO 180°F. USE TWO TIES BEFORE/AFTER DRIP LOOPS. CABLE TIES SHALL BE ATTACHED "SNUG TIGHT", DO NOT OVERTIGHTEN.
3. INSTALL SIGNS SO THAT THE BOTTOM EDGES ARE AT APPROXIMATELY THE SAME ELEVATION.
4. SAG=4% TO 5% OF SPAN LENGTH.



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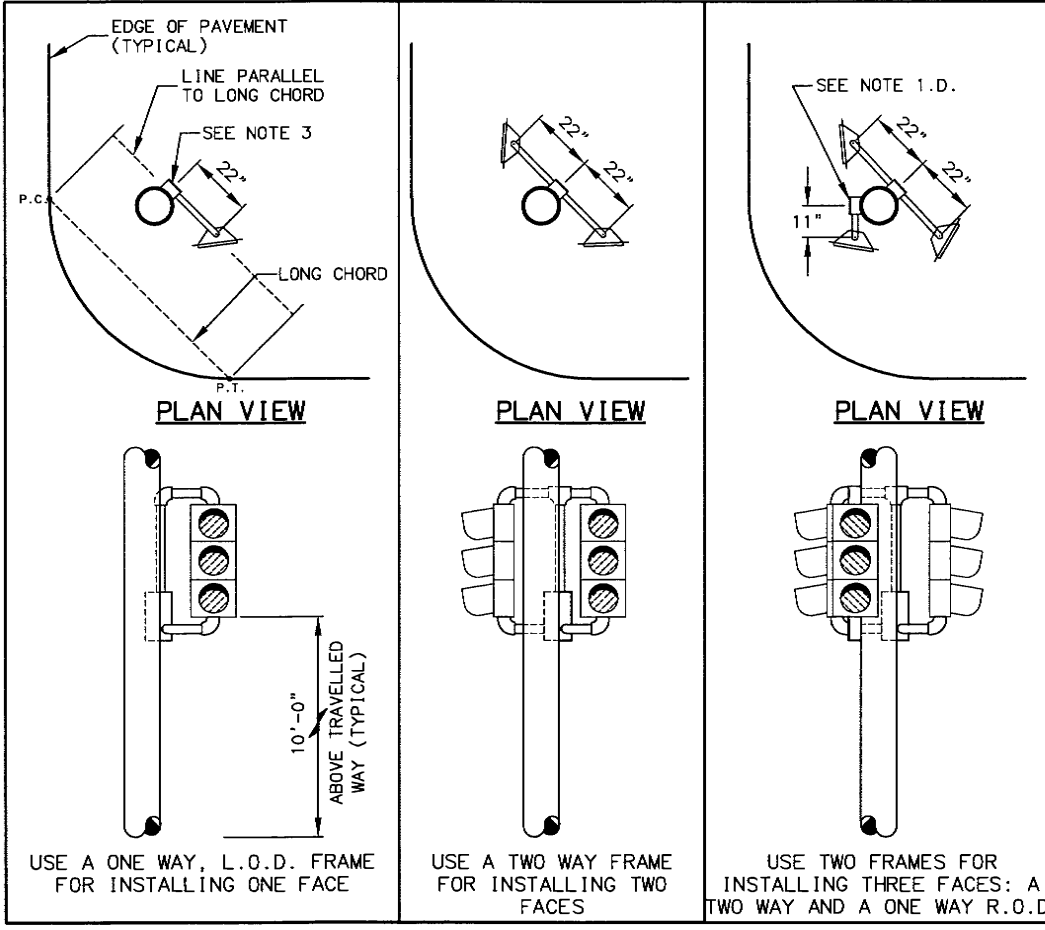
**CTF ALTERNATE ENTRANCE
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**TEMPORARY TRAFFIC
SIGNAL SPAN WIRE
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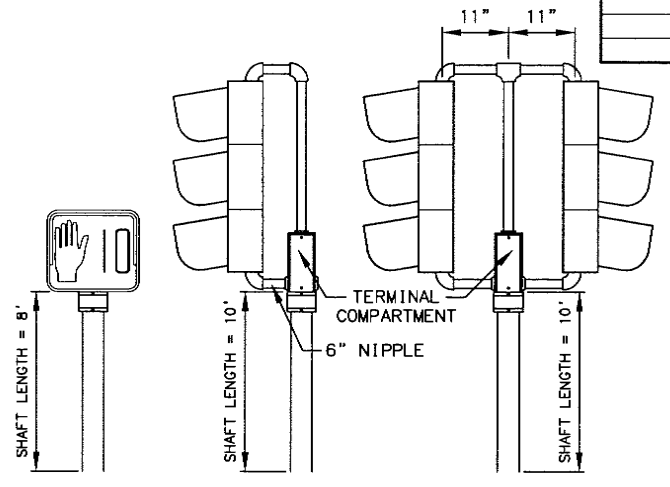
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H10	H26

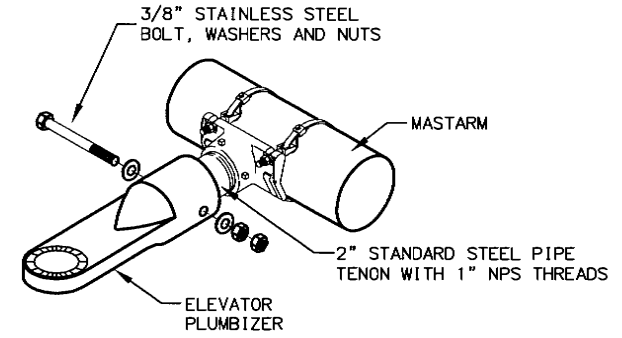


SIDE MOUNTED SIGNAL FRAMES WITH VEHICULAR SIGNALS
(SHOWN WITHOUT BACKPLATES)

USE A ONE WAY, L.O.D. FRAME FOR INSTALLING ONE FACE
 USE A TWO WAY FRAME FOR INSTALLING TWO FACES
 USE TWO FRAMES FOR INSTALLING THREE FACES: A TWO WAY AND A ONE WAY R.O.D.



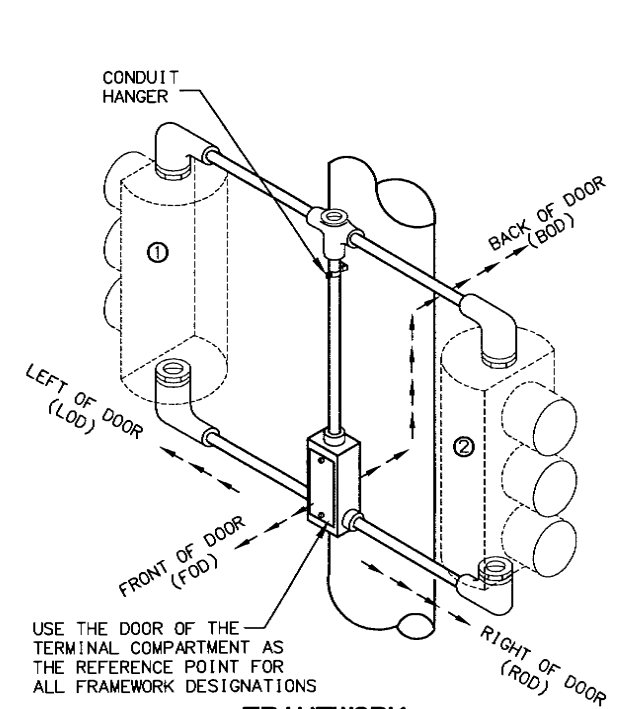
POST MOUNTED SIGNALS
(SHOWN WITHOUT BACKPLATE)



ELEVATOR PLUMBIZER
(SEE NOTE 1.A.)

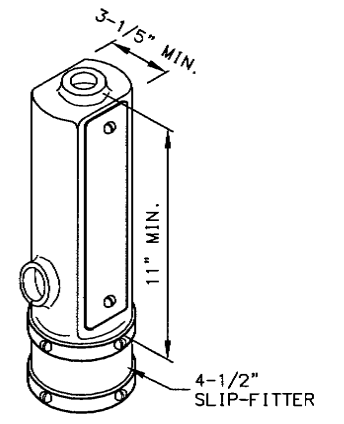
NOTES:

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

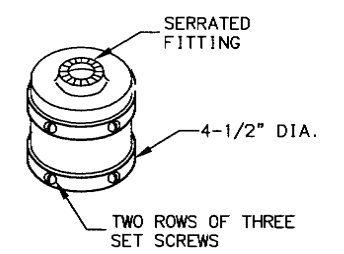


FRAMEWORK DESCRIPTION

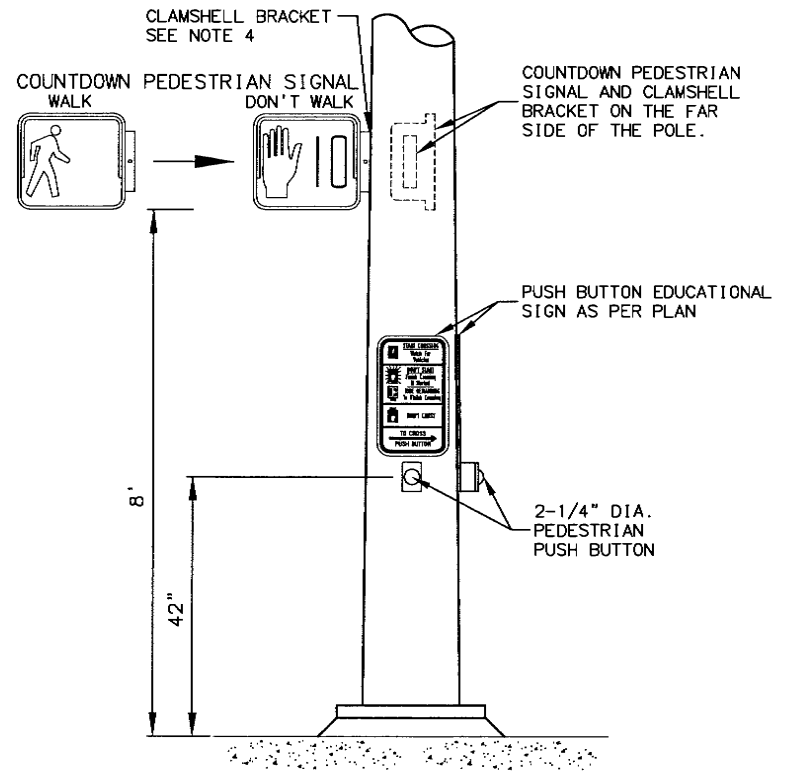
HEAD NO. ① OFFSET L.O.D.
 HEAD NO. ② OFFSET R.O.D.



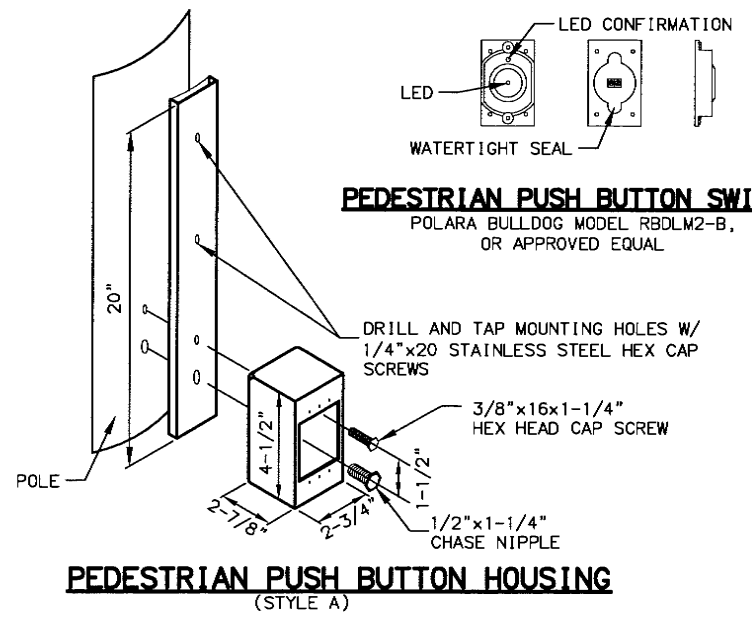
TERMINAL COMPARTMENT WITH SLIP FITTER
(SEE NOTES 1.C. AND 2)



SLIP FITTER
(SEE NOTE 1.B.)

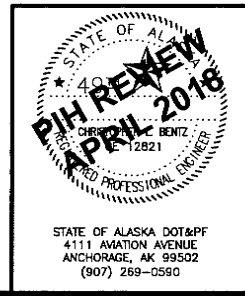


PEDESTRIAN HARDWARE



PEDESTRIAN PUSH BUTTON HOUSING (STYLE A)

PEDESTRIAN PUSH BUTTON SWITCH
POLARA BULLDOG MODEL RBDLM2-B, OR APPROVED EQUAL



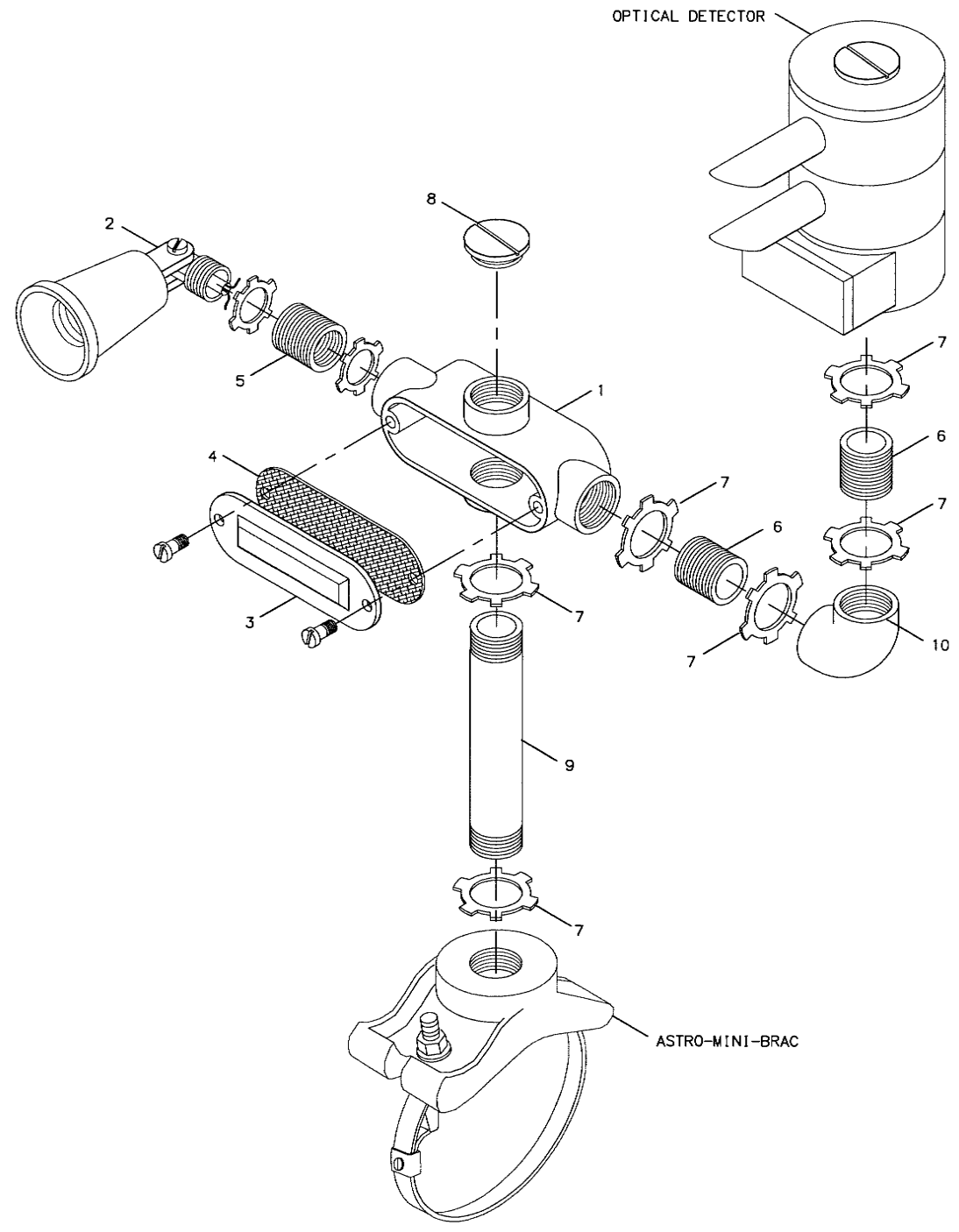
STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
 CTF ALTERNATE ENTRANCE ALIGNMENT (WFL)

SIGNAL HARDWARE DETAILS

STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
 (907) 269-0580

FILE: \\PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_REALIGN_CV3D16\PLANS\A_V_SHEETS\31-EVP_DETECTOR.DWG
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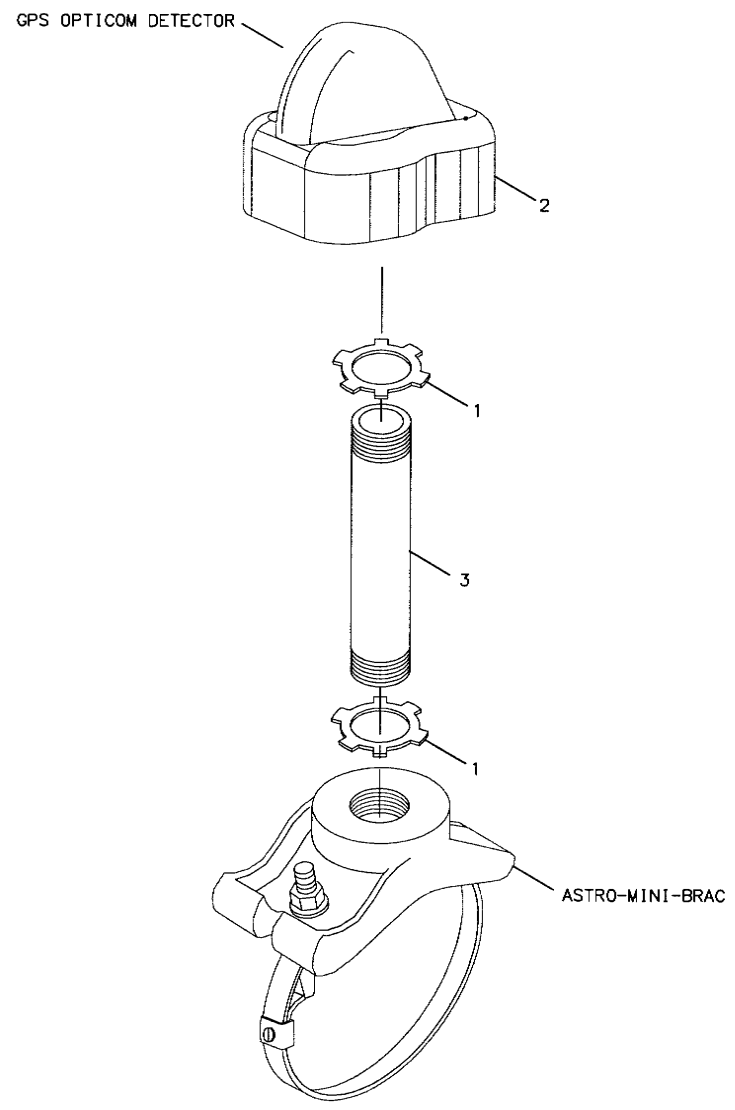
NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H11	H26



PARTS LIST FOR EACH GTT OPTICOM DETECTOR INSTALLED

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

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



PARTS LIST FOR EACH GPS OPTICOM DETECTOR INSTALLED

GTT OPTICOM MODEL 1010 RADIO/GPS UNIT AS SHOWN FROM PARTS BELOW

PART NO.	PART TYPE	LIGHT KIT QUANTITY
1	3/4" LOCKNUT	2
2	GPS OPTICOM UNIT	1
3	3/4" X 6" NIPPLE	1

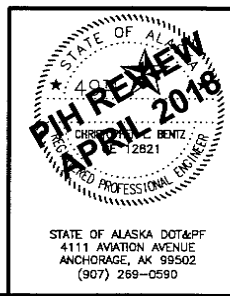
NOTES:

- SEE THE SIGNAL PLANS FOR THE SIGNAL POLE MAST ARMS SCHEDULED FOR EVP INSTALLATION.
- FOR EACH EVP INSTALLATION, FURNISH:
 - A GTT MODEL 711, 721, 722 OPTICOM DETECTOR AS CALLED FOR IN PLANS.
 - AN ASTRO-MINI-BRAC, MODEL AB-0155-L, AS MANUFACTURED BY PELCO PRODUCTS OR AN APPROVED EQUAL.
 - A GTT MODEL 575 CONFIRMATION LIGHT KIT WITH THE ADDITIONAL PARTS SHOWN IN THE PARTS LIST, OR STEEL PARTS, WITH A HOT DIP GALVANIZED FINISH, AS SHOWN IN THE PARTS LIST.
 - WITH EACH OPTICOM DETECTOR INSTALLED, FURNISH A PAR38 20 WATT LED FLOOD LAMP RATED FOR 120 VOLT OPERATION, 1250 INITIAL LUMENS, AND A 25000 HOUR LAMP LIFE.
- MOUNT EVP DETECTORS TO HAVE DIRECT, UNOBSTRUCTED LINE-OF-SIGHT OF APPROACHING VEHICLES. DRILL A 1 INCH HOLE IN THE TOP DEAD CENTER OF THE MAST ARM AT THE LOCATION PRE-APPROVED BY THE ENGINEER. ASSEMBLE AND TIGHTEN THE PARTS AND LOCKNUTS AS SHOWN ON THIS SHEET.
- BEFORE ATTACHING THE MODEL 138 DETECTOR CABLE TO THE OPTICOM DETECTOR, STRIP THE INSULATION FROM THE THREE INSULATED CONDUCTORS AT THE CONTROLLER CABINET AND ATTACH ALL FOUR CONDUCTORS TO GROUND.
- PREEMPTION EMITTERS SHALL BE ASSIGNED ID NUMBERS BY JURISDICTION AS SHOWN IN VEHICLE EMITTER TABLE.

GPS NOTES:

- SEE THE SIGNAL PLANS FOR THE SIGNAL POLE MAST ARM SCHEDULED FOR GPS OPTICOM SYSTEM INSTALLATION.
- FOR EACH GPS OPTICOM SYSTEM INSTALLATION, FURNISH:
 - A GTT MODEL 3100 GPS DETECTOR AS CALLED FOR IN PLANS.
 - AN ASTRO-MINI-BRAC, MODEL AB-0155-L, AS MANUFACTURED BY PELCO PRODUCTS OR AN APPROVED EQUAL.
- MOUNT DETECTORS PER MANUFACTURER RECOMMENDATIONS. DRILL A 1 INCH HOLE IN THE TOP DEAD CENTER OF THE MAST ARM AT THE LOCATION PRE-APPROVED BY THE ENGINEER. ASSEMBLE AND TIGHTEN THE PARTS AND LOCKNUTS AS SHOWN ON THIS SHEET.
- INSTALL OPTICOM MODEL 1070 GPS INSTALLATION CABLE BETWEEN THE SIGNAL CABINET AND THE GPS UNIT PER MANUFACTURER RECOMMENDATIONS. LEAVE APPROXIMATELY 10 FEET OF THE MODEL 1070 CABLE SPOOLED IN THE TRAFFIC CONTROLLER CABINET.
- PREEMPTION EMITTERS SHALL BE ASSIGNED ID NUMBERS BY JURISDICTION AS SHOWN IN VEHICLE EMITTER TABLE.

CLASS	VEHICLE I.D. NO.	JURISDICTION	VEHICLE TYPE
0	NOT USED	MUNICIPALITY OF ANCHORAGE	FIRE & EMS
1	NOT USED	MUNICIPALITY OF ANCHORAGE	OTHER
2	NOT USED	FAIRBANKS	FIRE & EMS
3	NOT USED	FAIRBANKS	OTHER
4	1-30	MATANUSKA/SUSITNA	FIRE & EMS
5	NOT USED	MATANUSKA/SUSITNA	OTHER
6	NOT USED	KENAI PENINSULA	FIRE & EMS
7	NOT USED	KENAI PENINSULA	OTHER
8	NOT USED	ELMENDORF/FT. RICHARDSON	FIRE & EMS
9	NOT USED	ELMENDORF/FT. RICHARDSON	OTHER



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**

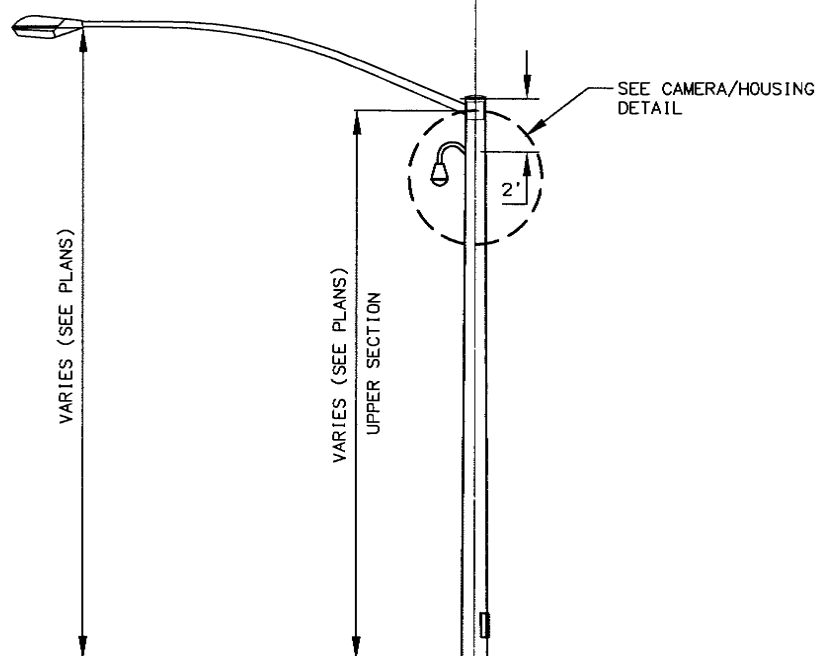
EVP INSTALLATION DETAILS

STATE OF ALASKA DOT&PF
411 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
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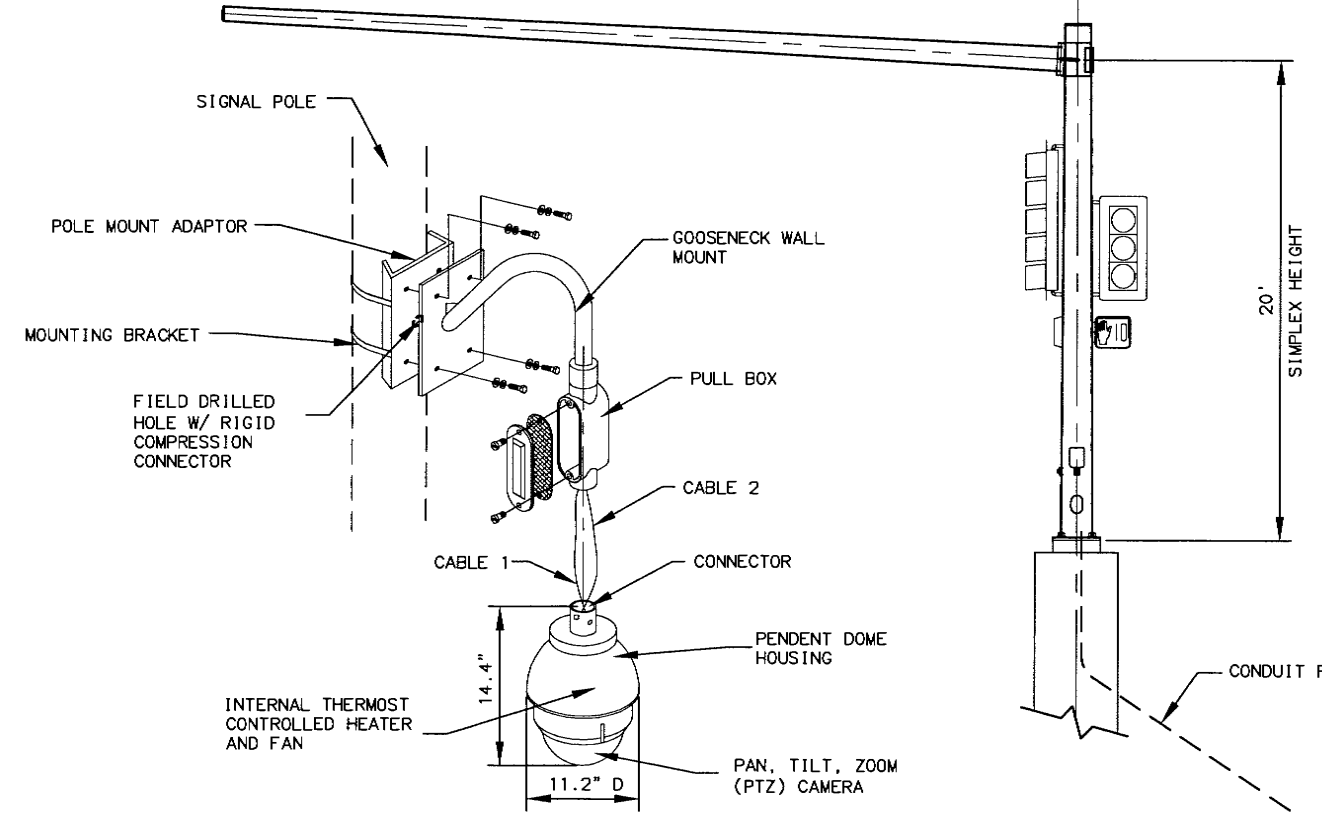
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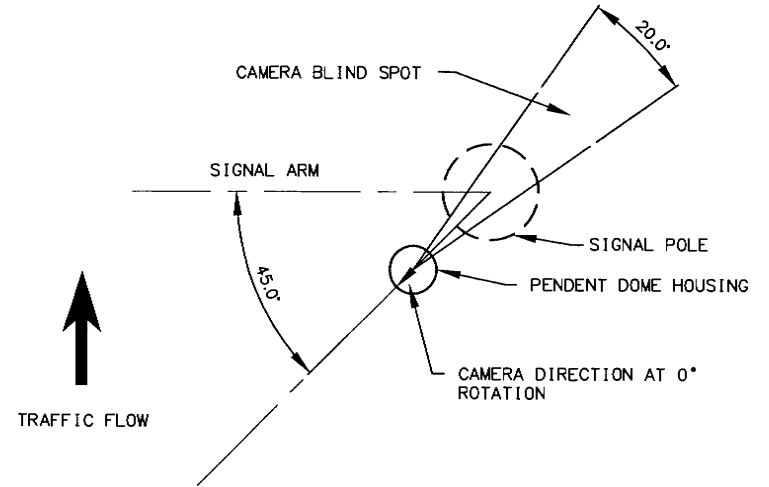
MATERIAL REQUIREMENTS	
ALL ASSEMBLIES	
MOUNTING BRACKET	PELCO TRITON BRACKET OR APPROVED EQUAL
POLE MOUNT ADAPTOR	SONY UNI-PMA1 OR APPROVED EQUAL
GOOSENECK WALL MOUNT	SONY UNI-WMB1 OR APPROVED EQUAL
24V AC TRANSFORMER	PSH100AB10 OR APPROVED EQUAL
CABLE 1 (SIGNAL)	CAT-5E, SHIELDED, DIRECT BURIAL
CABLE 2 (POWER)	3C14 (ACCORDING TO MANUFACTURES RECOMMENDATIONS)
CONNECTOR	ENVIRONMENTALLY HARDENED RJ-45
STRAIN RELIEF	REMKE 2201-013 OR APPROVED EQUAL
CAMERA	
CAMERA	SEE SPECIFICATIONS
HOUSING	
PENDANT DOME HOUSING	SEE SPECIFICATIONS

NOTES:

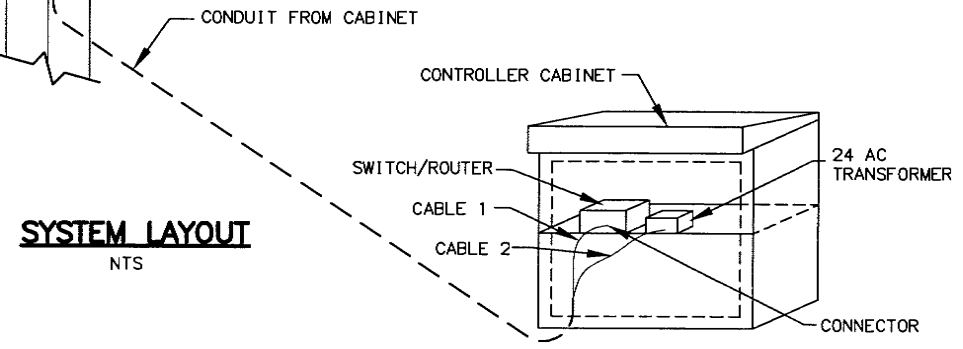
1. PROTECT CABLE ENDS FROM MOISTURE AT ALL TIMES.
2. PULL CABLE IN ACCORDANCE WITH SECTION 660 OF THE SPECIAL PROVISIONS. PULL CABLE SO THAT THERE IS SUFFICIENT LENGTH TO REACH THE TOP OF THE CONTROLLER CABINET. CABLES ARE TO BE PULLED WITHOUT CONNECTORS ATTACHED. WHEN CABLE HAS BEEN PULLED TO FINAL LOCATIONS INSTALL AND MAKE FINAL CONNECTIONS.
3. CABLE RUNS ARE TO BE MADE CONTINUOUS WITHOUT SPLICES EXCEPT FOR IN LOCATION SHOWN IN SPICE DETAIL WITH SPECIFIED CONNECTOR.
4. CABLE WITH DAMAGED INSULATION, OR THAT HAS BEEN CRIMPED OR BENT BEYOND THE MINIMUM BEND RADIUS MUST BE REPLACED AT NO ADDITIONAL COST.
5. THE MIN BEND RADIUS SHALL NOT EXCEED THE MANUFACTURERS RECOMMENDATIONS.
6. ENSURE ADEQUATE LENGTH OF EACH CABLE TO ALLOW WORK ON THE ENDS OF THE CABLE IN THE CONTROLLER CABINET AND THE CAMERA MOUNTING LOCATION.
7. MOUNT THE PENDENT DOME HOUSING AT A 45° ANGLE AT THE REQUIRED HEIGHT. ANGLE AND HEIGHT MAY BE ADJUSTED BY THE ENGINEER TO AVOID WELDS, APPENDICES AND TO APPROVE SITE DISTANCE.
8. ADJUST CAMERA INSIDE THE PENDENT DOME HOUSING AS SHOWN. ENSURE THAT THE CAMERA IS MOUNTED AT A 0° TILT ANGLE.
9. INSTALL WATERTIGHT THREADED RIGID COMPRESSION CONNECTOR WHERE CABLE PASSES THROUGH THE POLE.
10. AT SPLICE LOCATION PROVIDE A SECURE CONNECTION USING CONNECTOR PARTS SPECIFIED. AFTER CONNECTION IS MADE COVER SPLICE WITH HEAT SHRINK. PROVIDE A STRAIN RELIEF CABLE AS NECESSARY.



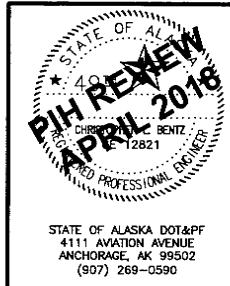
CAMERA/HOUSING DETAIL
NTS



CAMERA/PENDENT DOME ORIENTATION
NTS



SYSTEM LAYOUT
NTS

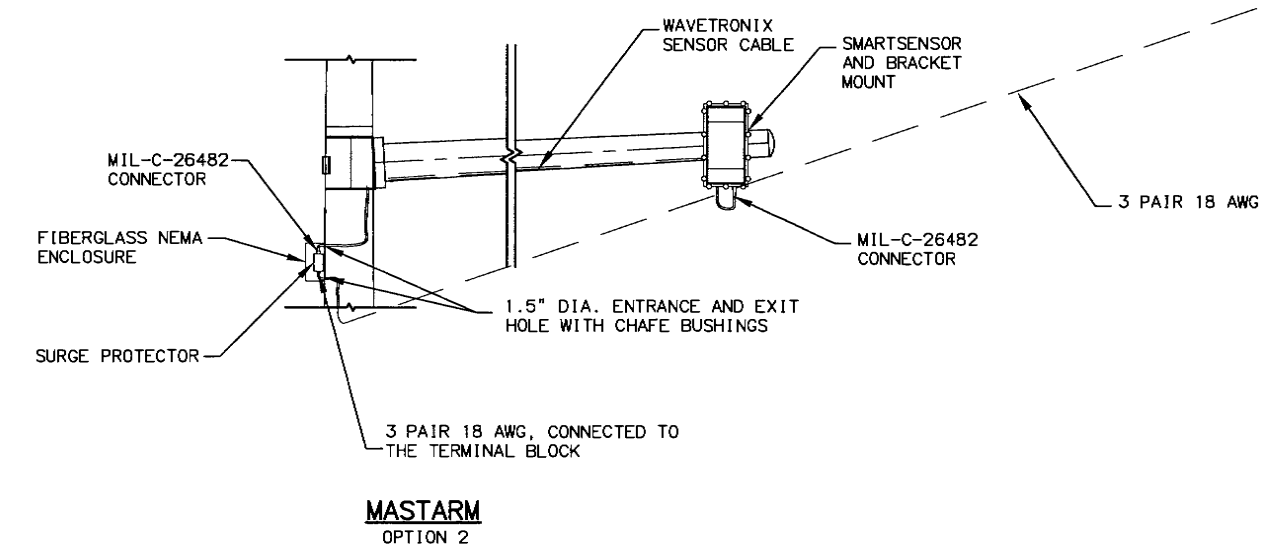
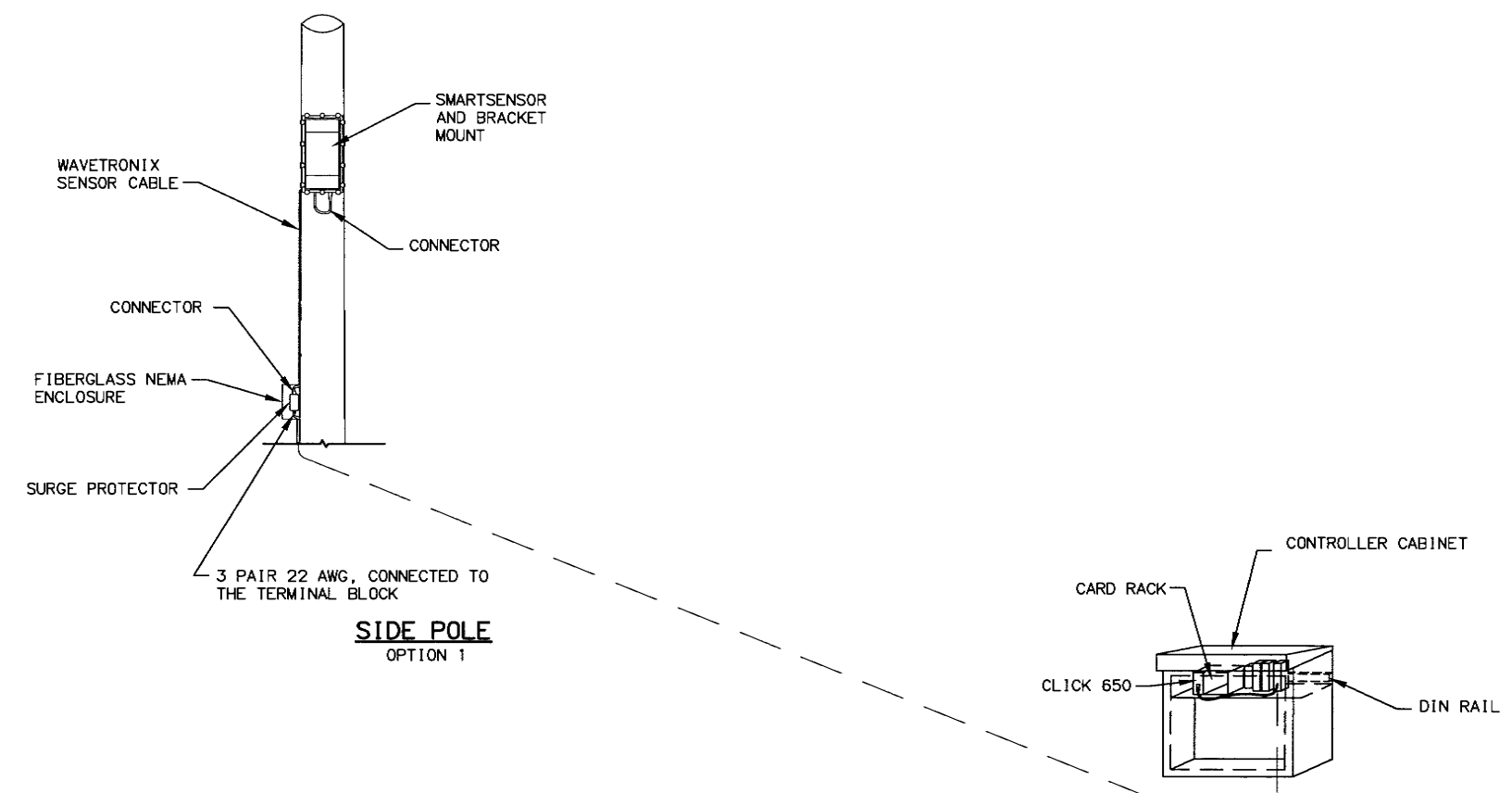


STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**

**PAN, TILT, ZOOM, CAMERA
MOUNTING DETAILS**

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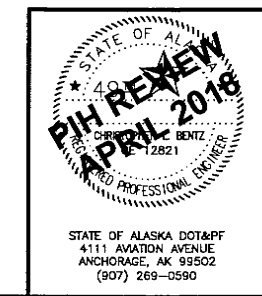
RADAR DETECTION DETAIL
(NTS)

NOTES:

1. PROTECT CABLE ENDS FROM MOISTURE AT ALL TIMES.
2. PULL CABLE IN ACCORDANCE WITH SECTION 660 OF THE SPECIAL PROVISIONS. PULL CABLE SO THAT THERE IS SUFFICIENT LENGTH TO REACH THE TOP OF THE CONTROLLER CABINET. CABLES ARE TO BE PULLED WITHOUT CONNECTORS ATTACHED. WHEN CABLE HAS BEEN PULLED TO FINAL LOCATIONS INSTALL AND MAKE FINAL CONNECTIONS.
3. CABLE RUNS ARE TO BE MADE CONTINUOUS WITHOUT SPLICES.
4. CABLE WITH DAMAGED INSULATION, OR THAT HAS BEEN CRIMPED OR BENT BEYOND THE MINIMUM BEND RADIUS MUST BE REPLACED AT CONTRACTORS EXPENSE.
5. THE MINIMUM BEND RADIUS SHALL NOT EXCEED MANUFACTURERS RECOMMENDATIONS.
6. ENSURE ADEQUATE LENGTH OF EACH CABLE TO ALLOW WORK ON THE ENDS OF THE CABLE IN THE CONTROLLER CABINET, AT THE POLE MOUNT ENCLOSURE AND RADAR MOUNTING LOCATION.
7. MOUNT THE RADAR AT THE LOCATION STATED IN THE PLANS. PLACEMENT MAY BE ADJUSTED BY THE ENGINEER TO ALLOW FOR BETTER AIMING OF THE RADAR OR TO AVOID OTHER HAZARDS.
8. INSTALL WATERTIGHT RUBBER GROMMETS WHERE CABLE PASSES THROUGH THE POLE.
9. FURNISH ONLY NEW EQUIPMENT OF THE BRAND AND TYPE LISTED OR ITS APPROVED EQUAL. PROVIDE AT NO ADDITIONAL COST ALL NECESSARY DEVICES, WIRES, BRACKETS/HARDWARE ETC. TO PROVIDE A FULLY FUNCTIONING RADAR ADVANCE DETECTION SYSTEM.

RADAR DETECTION EQUIPMENT	
QTY	DESCRIPTION
0	SMARTSENSOR ADVANCE (WX-SS-200)
0	SMARTSENSOR CABLE (WX-SS-H701/2/3-040)
0	PELCO MOUNT (WX-SS-H611)
0	CONNECTORS (MIL-C-26482)
0	SMARTSENSOR MATRIX
0	CLICK! 650
ADDITIONAL EQUIPMENT	
QTY	DESCRIPTION
1	WAVETRONIX INSTALL KIT (WX-SS-KIT)
1	SMARTSENSOR MANAGER ADVANCE SOFTWARE (WX550-0001)

NEMA ENCLOSURE EQUIPMENT	
QTY	DESCRIPTION
0	FIBERGLASS NEMA 4X ENCLOSURE 10"X8"X6" W/CONN, DIN RAIL (WX-CLK-C10-0007) OR EQUIVALENT
0	CLICK! LIGHTING SURGE PROTECTOR



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES

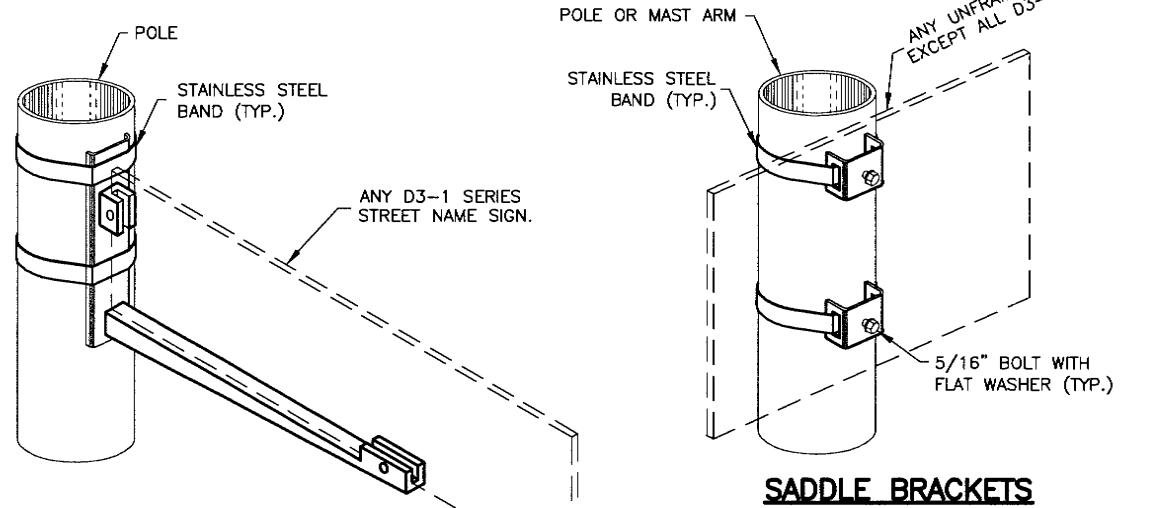
**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**

RADAR DETECTION DETAILS

STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

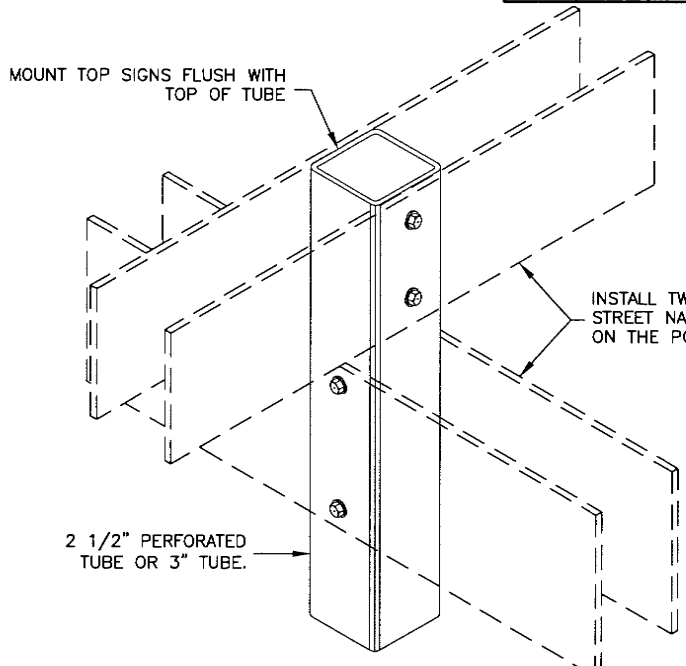
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 LAYOUT: 34-SIGN-ATTACHMENT
 DESIGNED: LAS
 CHECKED: CLB
 DRAFTED: MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H14	H26



SADDLE BRACKETS

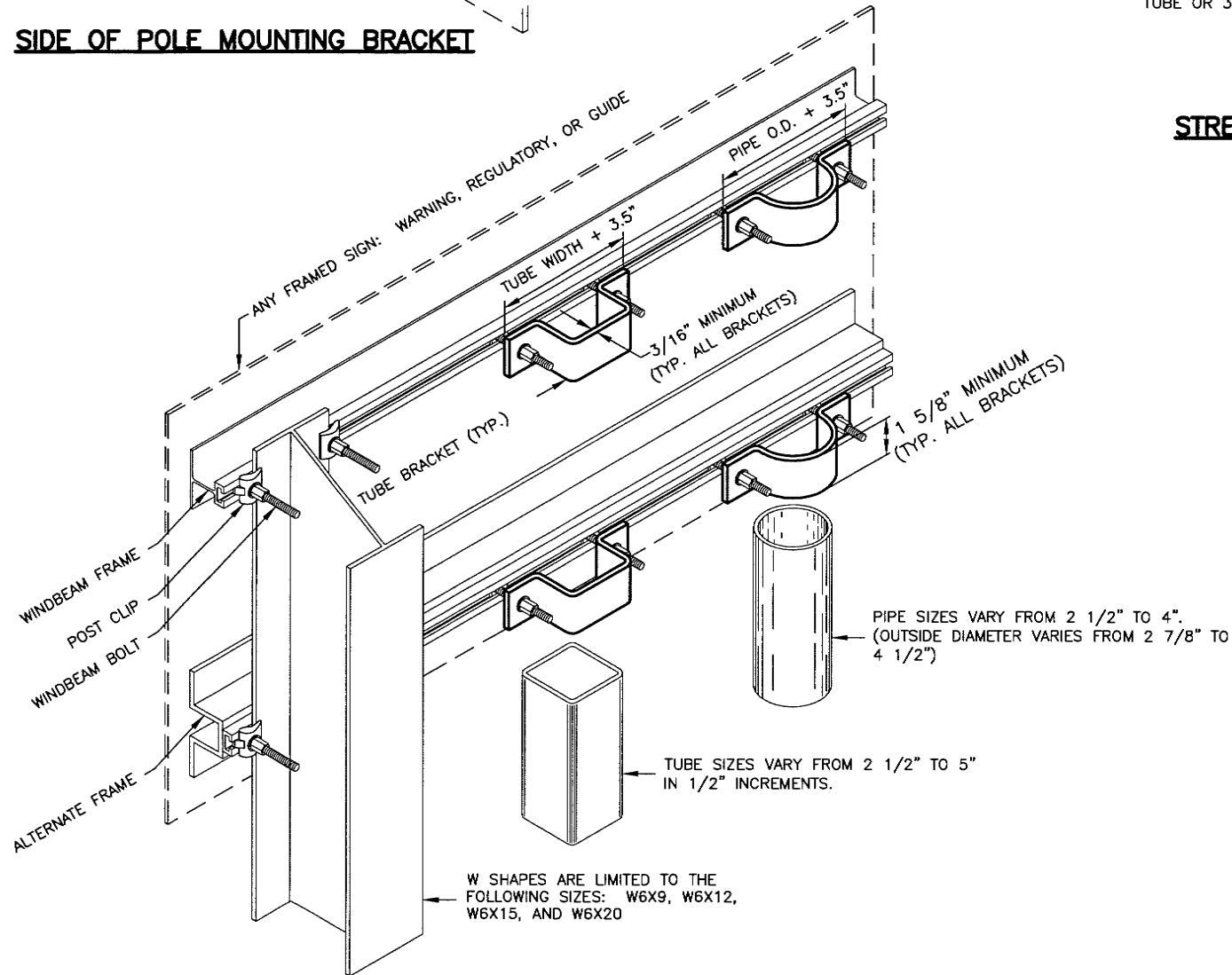
SIDE OF POLE MOUNTING BRACKET



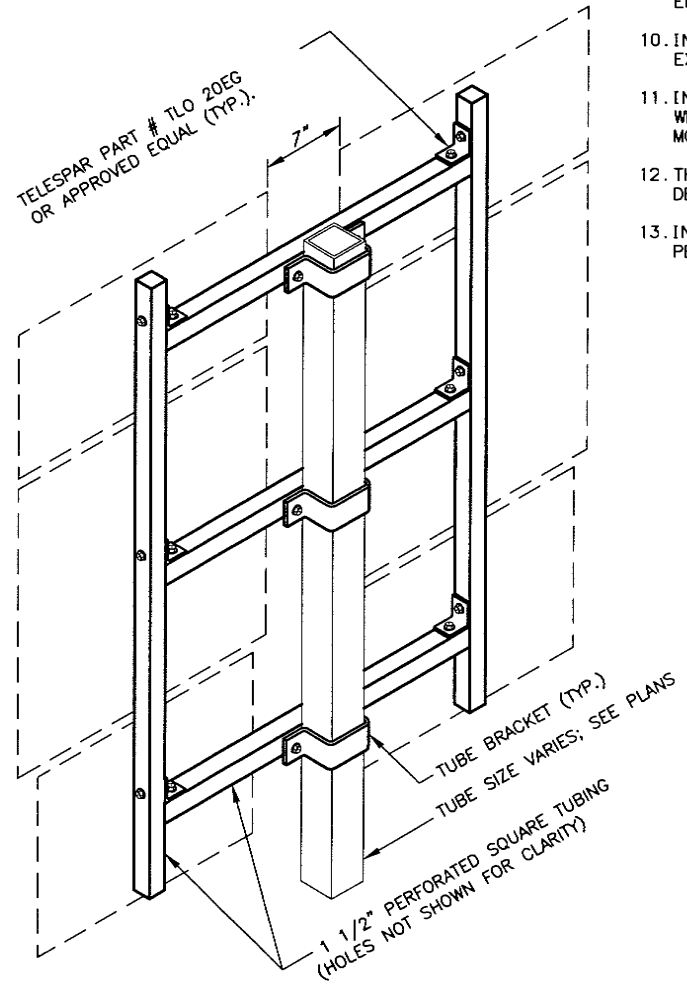
STREET NAME SIGN INSTALLATION

NOTES:

- EXCEPT FOR POLES AND MAST ARMS, ONLY USE TUBES TO SUPPORT SIGNS MOUNTED ON ONE POST.
- ATTACH SIGNS, FRAMED AND UNFRAMED TO THEIR SUPPORTS WITH ZINC PLATED 3/8" BOLTS, EXCEPT ATTACH UNFRAMED SIGNS TO PERFORATED TUBES WITH ACCESSORY DRIVE RIVETS AND TO SADDLES WITH 5/16" BOLTS.
- BOLT UNFRAMED SIGNS DIRECTLY TO TUBES IN TWO LOCATIONS, NEAR TOP AND NEAR BOTTOM OF MATING SURFACE. ATTACH THEM TO POLES AND MAST ARMS WITH TWO SADDLES.
- ATTACH BRACKETS TO POLES AND MAST ARMS WITH DOUBLE WRAPS OF 3/4" WIDE BY 0.020" THICK STAINLESS STEEL BANDING MATERIAL. TIGHTEN EACH BAND UNTIL IT STOPS MOVING THROUGH THE BUCKLE.
- ATTACH FRAMED SIGNS TO POSTS WHEREVER THE FRAMES CROSS THE POSTS. AT EACH CROSSING, ATTACH THE SIGN USING TWO POST CLIPS ON W-SHAPE POSTS, A U-SHAPED BRACKET ON PIPES, AND A BRACKET WITH SQUARE CORNERS ON TUBES.
- THE TUBE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.
- ONLY USE THE SPECIAL WINDBEAM BOLTS TO ATTACH SIGNS FRAMED WITH THE WINDBEAM FRAMING MATERIAL.
- ATTACH FRAMED SIGNS TO POLES AND MAST ARMS USING POLE PLATES INSTALLED ACCORDING TO STANDARD DRAWING S-23.
- FOR ROUTE MARKER TREES, CUT PERFORATED TUBES TO ENSURE TIGHT FITTING JOINTS. ASSEMBLE THE PIECES WITH ACCESSORY ELL-SHAPED ANGLE BRACKETS.
- INSTALL THE TOP EDGE OF SIGNS 1" ABOVE THE TOPS OF POSTS, EXCEPT FOR THE D3-1 STREET NAME SIGNS.
- INSTALL THE TOP EDGE OF SIGNS 3" BELOW THE TOP OF POST, WHENEVER THEY ARE MOUNTED BELOW SIGNS SECURED BY POST TOP MOUNTING BRACKETS.
- THE BRACKET DETAILS SHOWN INDICATE GENERAL DESIGNS ONLY. DESIGNS MAY VARY BY MANUFACTURER.
- INSTALL WEATHER TIGHT CAPS ON ALL PIPE AND TUBE POSTS, EXCEPT PERFORATED TUBING.

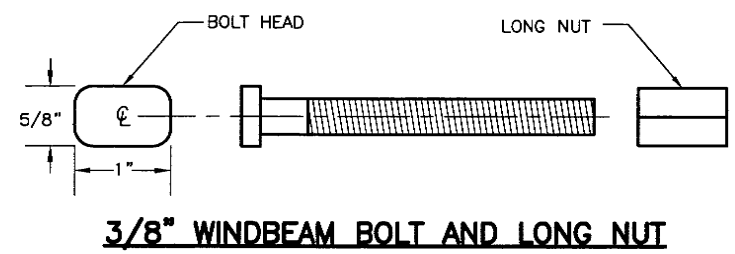


FRAMED SIGN ATTACHMENT BRACKETS

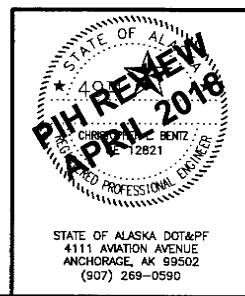


ROUTE MARKER TREE

FASTENER SPECIFICATION TABLE		
FASTENERS	STEEL	STAINLESS STEEL
BOLTS	ASTM A 307	ASTM F 593
NUTS	REGULAR LOCK ASTM A 563	ASTM F 594
WASHERS	ASTM A 36	ASTM A 480
POST CLIPS		



3/8" WINDBEAM BOLT AND LONG NUT



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES

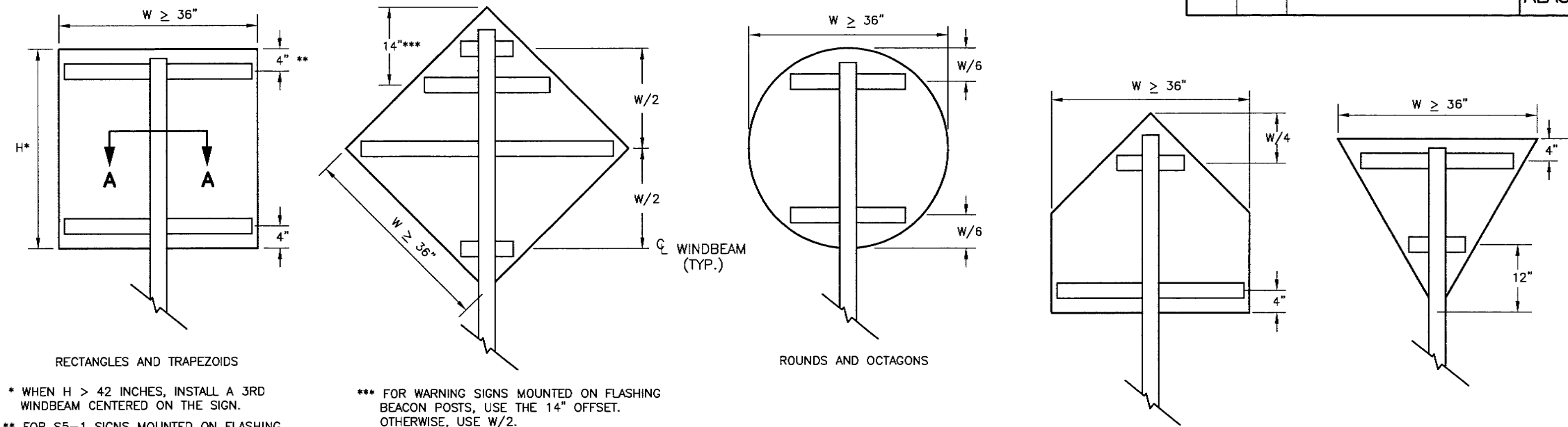
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

SIGN ATTACHMENT DETAILS

STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
 (907) 269-0590

FILE: \\PROJECTS\ANCHORAGE\CFHWY00260_CTF_BLM_REALIGN\CHAD16\PLANSET\4-SHEETS\35-LIGHT_SIGN_FRAMING.DWG
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 LAS DESIGNED
 CLB CHECKED
 DRAFTED MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H15	H26

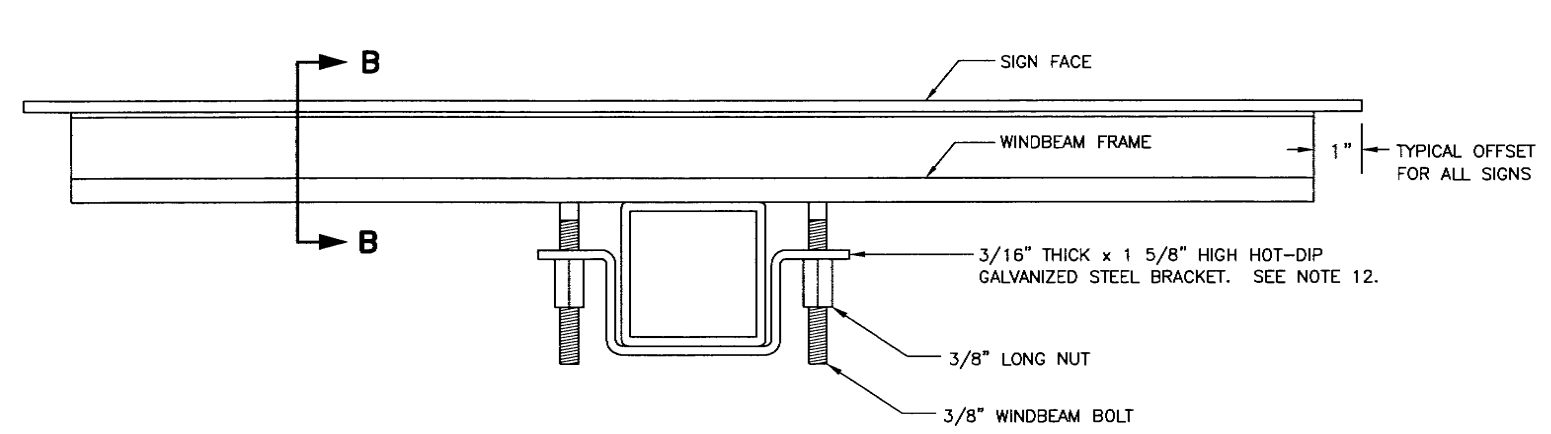


* WHEN H > 42 INCHES, INSTALL A 3RD WINDBEAM CENTERED ON THE SIGN.

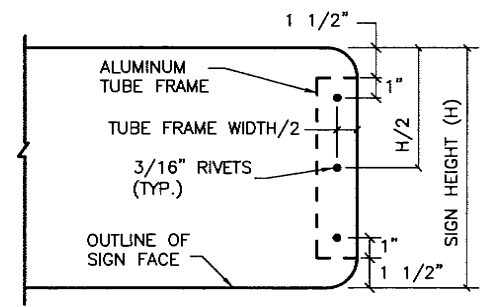
** FOR S5-1 SIGNS MOUNTED ON FLASHING BEACON POSTS, USE A 10" OFFSET. OTHERWISE, USE 4".

*** FOR WARNING SIGNS MOUNTED ON FLASHING BEACON POSTS, USE THE 14" OFFSET. OTHERWISE, USE W/2.

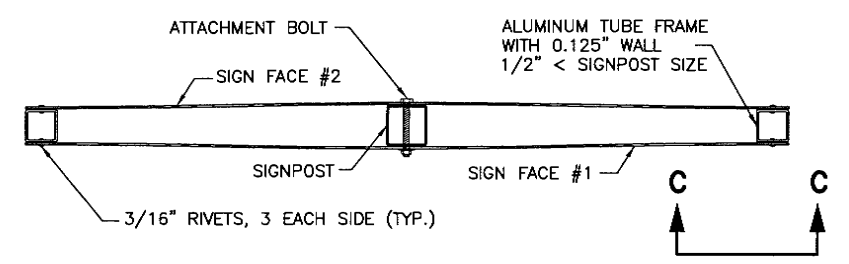
WINDBEAM LOCATIONS FOR EACH SIGN SHAPE
ELEVATION VIEW



SECTION A - A TYPICAL SIGN ATTACHMENT DETAILS AT EACH WINDBEAM

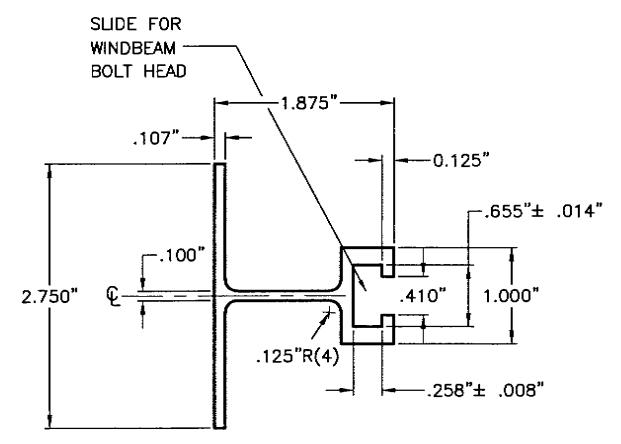


VIEW C - C

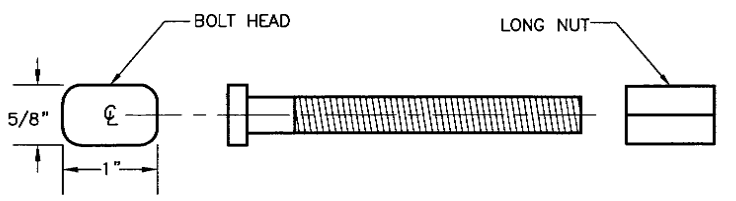


D3-1 STREET NAME SIGN FRAMING DETAIL

PLAN VIEW



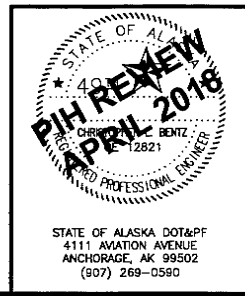
SECTION B - B WINDBEAM CROSS SECTION



3/8" WINDBEAM BOLT AND LONG NUT

NOTES:

- EXCEPT FOR POLES AND MAST ARMS, ONLY USE SQUARE STEEL TUBES TO SUPPORT SIGNS MOUNTED ON SINGLE POSTS.
- INSTALL WINDBEAM OR ZEE SHAPED FRAMING MEMBERS ON DIAMOND SHAPED SIGNS 36 INCHES AND LONGER ON A SIDE AND ON OTHER SIGNS 36 INCHES WIDE AND WIDER.
- IN HIGH WIND AREAS, THE PLANS MAY REQUIRE SIGNS SMALLER THAN THOSE LISTED IN NOTE 2 BE FRAMED AS SHOWN HERE IN.
- THIS DRAWING DEPICTS THE WINDBEAM FRAMING AND ATTACHMENT SYSTEM. ATTACH SIGNS FRAMED WITH ZEE SHAPED FRAMING ACCORDING TO REGIONAL DRAWING "SIGN ATTACHMENT DETAILS", USING "U" SHAPED BRACKETS AND TWO BOLTS WITH NUTS.
- THE ENGINEER MAY APPROVE OTHER FRAMING MEMBERS. SUBMIT DOCUMENTS THAT DETAIL THE FRAME'S CROSS SECTION AND STRENGTH, AND METHOD OF ATTACHING THE FRAME TO A POST.
- USE FRAMING MEMBERS MADE FROM ALUMINUM ALLOY 6061-T6.
- EACH FRAMING MEMBER SHALL BE ONE CONTINUOUS PIECE.
- ATTACH FRAMING MEMBERS TO THE SIGN PANELS WITH RIVETS OR AN ENGINEER APPROVED, DOUBLE SIDED, HIGH STRENGTH, ADHESIVE TAPE.
- WITH THE ADHESIVE TAPE, INSTALL TWO RIVETS IN BOTH ENDS OF EACH FRAMING MEMBER, AND ATTACH THE FRAMING MEMBERS TO THE SIGN PANELS ACCORDING TO THE TAPE MANUFACTURER'S WRITTEN INSTRUCTIONS, INCLUDING:
A. THE CLEANING AND HANDLING OF THE SIGN PANELS AND FRAMING MEMBERS.
B. THE APPLICATION OF THE ADHESIVE TAPE.
- WHEN RIVETS ARE USED TO ATTACH FRAMING MEMBERS, INSTALL 2 RIVETS IN EACH END AND THE BALANCE ON 8" MAXIMUM CENTERS.
- USE 3/16" DIAMETER RIVETS CONFORMING TO ALUMINUM ALLOY 6061-T6 FOR COLD DRIVEN RIVETS, OR ALUMINUM ALLOY 6061-T43 FOR HOT DRIVEN RIVETS.
- THE BRACKETS USED ON EVEN INCH SIZE TUBES MAY ALSO BE USED ON TUBES 1/2" SMALLER IN SIZE.



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**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**

**LIGHT SIGN FRAMING AND
ATTACHMENT DETAILS**

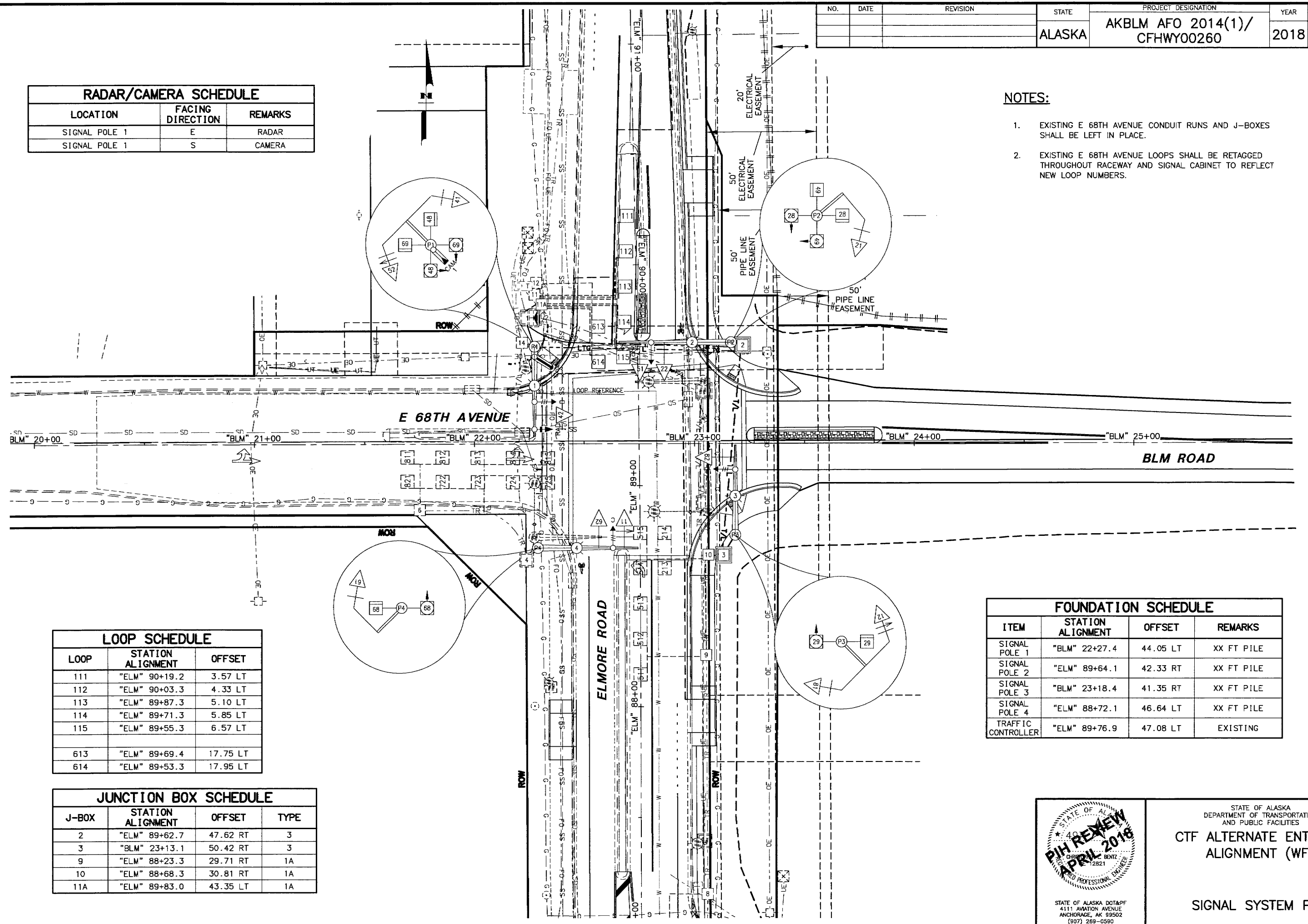
STATE OF ALASKA DOT&PF
4111 AVIATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0580

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 DESIGNED: LAS
 CHECKED: CLB
 DRAFTED: MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H16	H26

LOCATION	FACING DIRECTION	REMARKS
SIGNAL POLE 1	E	RADAR
SIGNAL POLE 1	S	CAMERA

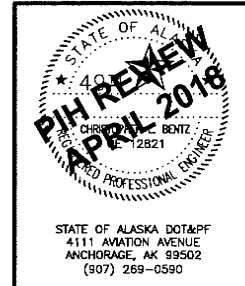
- NOTES:**
- EXISTING E 68TH AVENUE CONDUIT RUNS AND J-BOXES SHALL BE LEFT IN PLACE.
 - EXISTING E 68TH AVENUE LOOPS SHALL BE RETAGGED THROUGHOUT RACEWAY AND SIGNAL CABINET TO REFLECT NEW LOOP NUMBERS.



LOOP	STATION ALIGNMENT	OFFSET
111	"ELM" 90+19.2	3.57 LT
112	"ELM" 90+03.3	4.33 LT
113	"ELM" 89+87.3	5.10 LT
114	"ELM" 89+71.3	5.85 LT
115	"ELM" 89+55.3	6.57 LT
613	"ELM" 89+69.4	17.75 LT
614	"ELM" 89+53.3	17.95 LT

J-BOX	STATION ALIGNMENT	OFFSET	TYPE
2	"ELM" 89+62.7	47.62 RT	3
3	"BLM" 23+13.1	50.42 RT	3
9	"ELM" 88+23.3	29.71 RT	1A
10	"ELM" 88+68.3	30.81 RT	1A
11A	"ELM" 89+83.0	43.35 LT	1A

ITEM	STATION ALIGNMENT	OFFSET	REMARKS
SIGNAL POLE 1	"BLM" 22+27.4	44.05 LT	XX FT PILE
SIGNAL POLE 2	"ELM" 89+64.1	42.33 RT	XX FT PILE
SIGNAL POLE 3	"BLM" 23+18.4	41.35 RT	XX FT PILE
SIGNAL POLE 4	"ELM" 88+72.1	46.64 LT	XX FT PILE
TRAFFIC CONTROLLER	"ELM" 89+76.9	47.08 LT	EXISTING



STATE OF ALASKA
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 AND PUBLIC FACILITIES

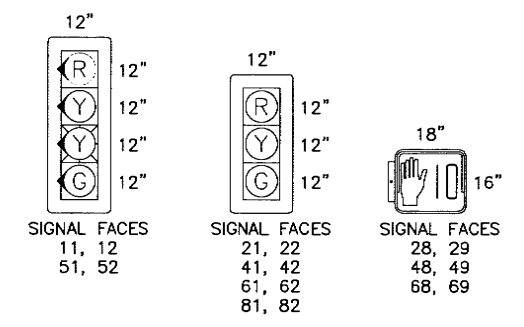
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

SIGNAL SYSTEM PLAN

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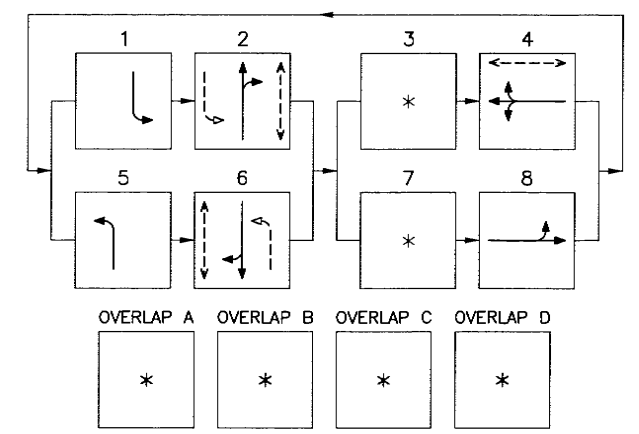
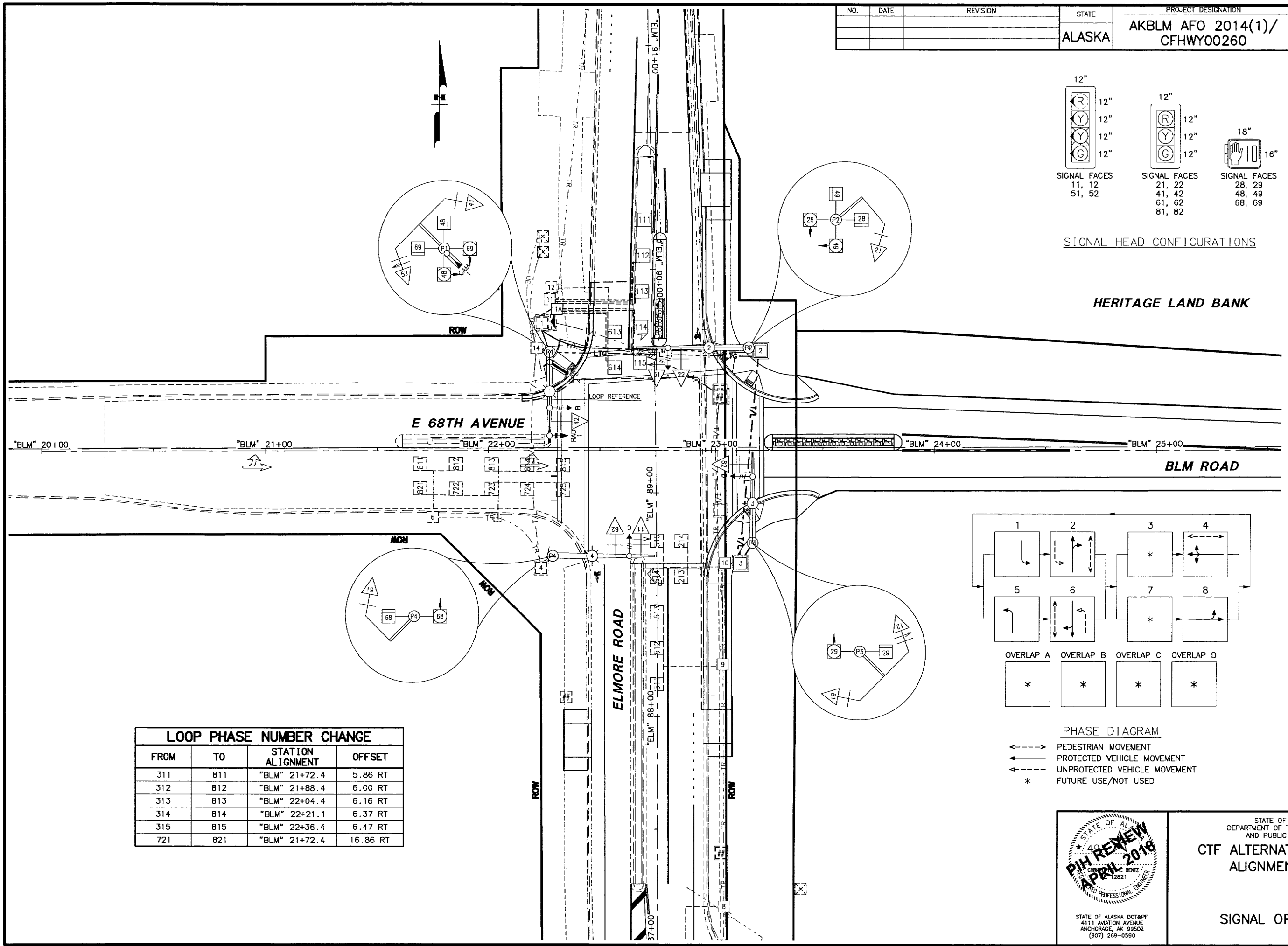
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 DESIGNED: LAS
 CHECKED: CLB
 DRAFTED: MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY0260	2018	H17	H26

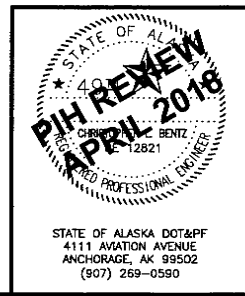


SIGNAL HEAD CONFIGURATIONS

HERITAGE LAND BANK



LOOP PHASE NUMBER CHANGE			
FROM	TO	STATION ALIGNMENT	OFFSET
311	811	"BLM" 21+72.4	5.86 RT
312	812	"BLM" 21+88.4	6.00 RT
313	813	"BLM" 22+04.4	6.16 RT
314	814	"BLM" 22+21.1	6.37 RT
315	815	"BLM" 22+36.4	6.47 RT
721	821	"BLM" 21+72.4	16.86 RT

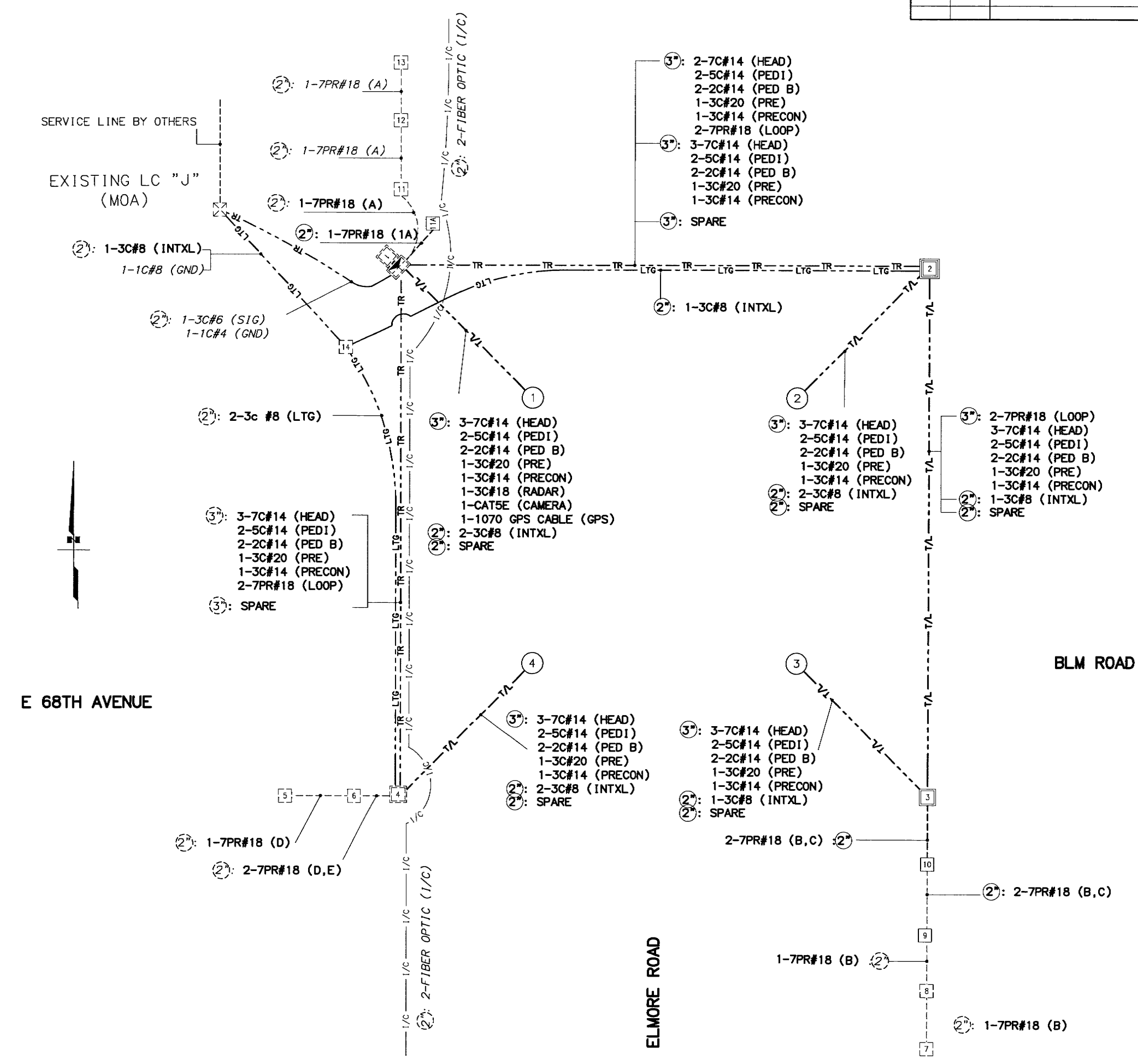


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**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

SIGNAL OPERATIONS

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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H18	H26



NOTES:

WIRING DIAGRAM NOTES:

- UNLESS OTHERWISE NOTED INSTALL BARE 1/8" GROUND IN ALL CONDUITS. EXCEPT THOSE CONDUITS THAT CONTAIN LARGER CIRCUIT CONDUCTORS. IN THIS CASE, INSTALL WIRE EQUAL IN SIZE TO THE LARGEST CIRCUIT CONDUCTOR.
- ALL ITALICIZED CIRCUITS SHALL REMAIN INTACT.
- DISCONNECT BUS/GATEWAY LIGHTING CABLE (POLE 1) FROM EXISTING SOA LC"D" AND REMOVE.
- DETECTOR LOOPS SHALL BE ASSIGNED TO 7PR#18 CABLES AS FOLLOWS:

DETECTOR LOOPS	
CABLE	LOOP GROUPING
1A	111, 112, 113, 114, 115
A	611, 612, 613, 614
B	211, 212, 213, 214
C	511, 512, 513, 514, 515
D	811, 812, 821, 722
E	813, 814, 815, 723, 724, 725



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
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**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**
WIRING DIAGRAM

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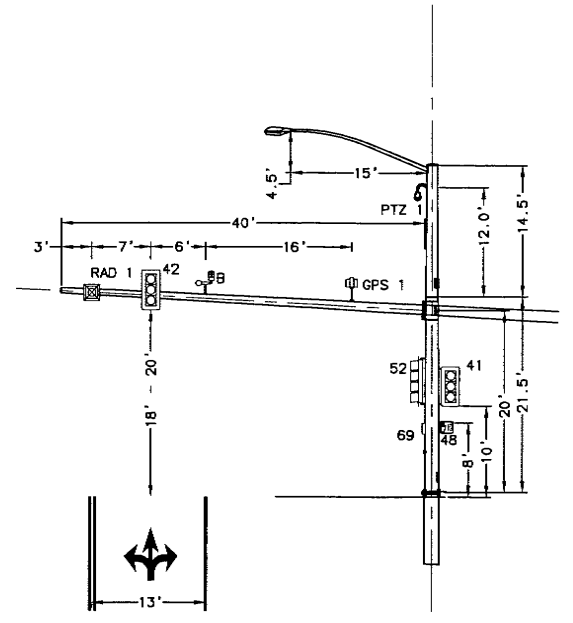
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/ CFHWY00260	2018	H19	H26

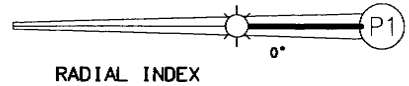
OPTICOM DETECTOR SCHEDULE					
LOCATION	DETECTOR ID	PHASE CALL	FACING DIRECTION	MODEL	REMARKS
SIGNAL POLE 1	B	4	E	722	OPTICOM
SIGNAL POLE 2	A	2.5	S	722	OPTICOM
SIGNAL POLE 3	D	8	W	722	OPTICOM
SIGNAL POLE 4	C	1,6	N	722	OPTICOM
SIGNAL POLE 1	1	A11	SW		GPS OPTICOM

NOTES:

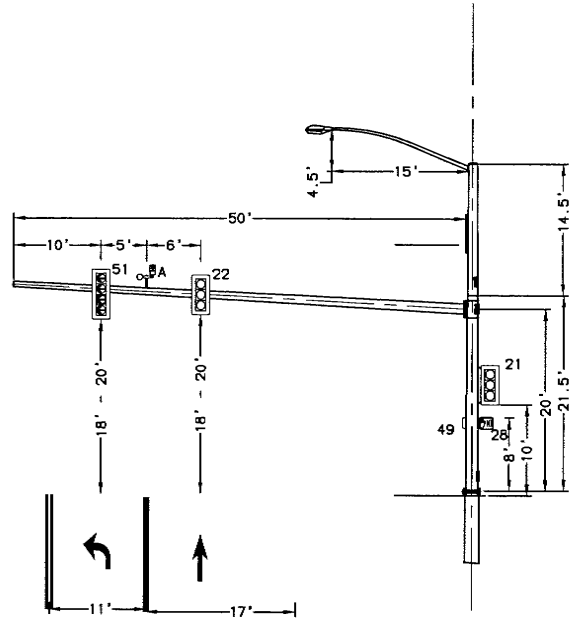
- SEE LUMINAIRE STANDARDS AND PERFORMANCE CRITERIA FOR POLE MOUNTED AND SIGNAL MOUNTED INTERSECTION LIGHTING.
- INSTALL FULLY FUNCTIONING GPS OPTICOM SYSTEM AS SHOWN. MASTARM MOUNTED GPS RECEIVER SHALL BE INSTALLED WITH 3 FEET SEPARATION FROM OTHER ITEMS ON THE MASTARM OR AS DIRECTED BY THE ENGINEER.
- MOUNTING HEIGHT OF PTZ CAMERA SHALL BE FIELD DETERMINED BY THE ENGINEER AND MOA SIGNAL ELECTRONICS.
- FOUNDATION ELEVATIONS SHALL BE STAKED AND APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.
- SYMBOL MARKINGS ARE FOR LANE ARRANGEMENT REFERENCE ONLY. SEE SIGNING, STRIPING SHEETS FOR STRIPING DETAILS.



**SIGNAL POLE 1
LOOKING EAST**



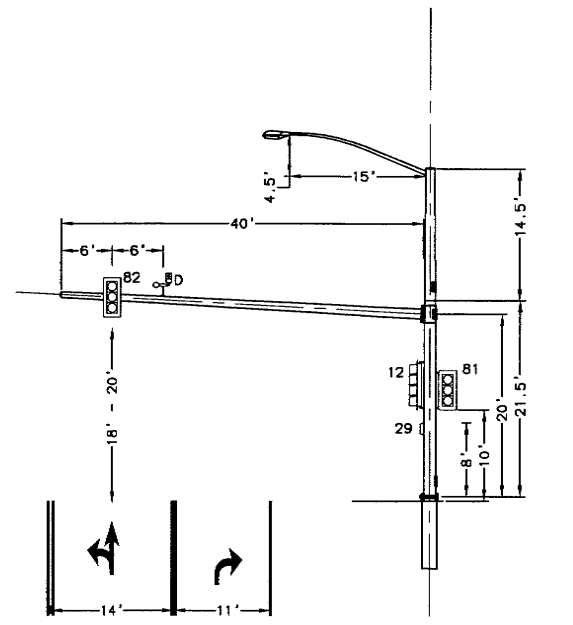
RADIAL INDEX



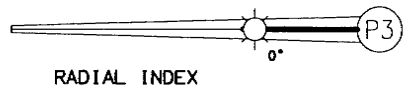
**SIGNAL POLE 2
LOOKING NORTH**



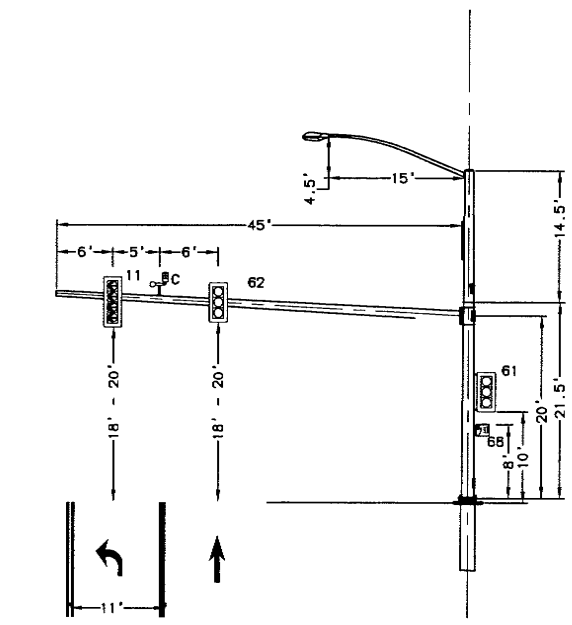
RADIAL INDEX



**SIGNAL POLE 3
LOOKING WEST**



RADIAL INDEX



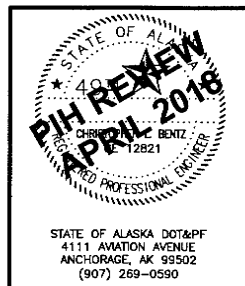
**SIGNAL POLE 4
LOOKING SOUTH**



RADIAL INDEX

LUMINAIRE PERFORMANCE CRITERIA	
INTERSECTION	
PAVEMENT TYPE	R3
ROADWAY LIGHTING STANDARD	IESNA RP-8-2014
FUNCTIONAL CLASSIFICATION	MAJOR/MINOR
PEDESTRIAN AREA CLASSIFICATION	MEDIUM
IES FILE FOR ROADWAY LIGHTING	ERS2_27d1X30_TCM201-111139.IES
LUMINAIRE	
LAMP DESCRIPTION	GE ERS2 STREET LIGHT
LIGHT LOSS FACTOR	0.85
ILLUMINANCE CRITERIA	
AVERAGE MAINTAINED ILLUMINATION	2.6 FC
AVERAGE UNIFORMITY RATIO (AVG/MIN)	1.63

LUMINAIRE STANDARDS	
MANUFACTURE	GE OR APPROVED EQUAL
MODEL	M400A-PLUS OR APPROVED EQUAL
WATTAGE	275
LIGHT SOURCE	LED
VOLTAGE	240
PE CONTROL	ANSI C136.41 7 PIN
PE SENSOR	YES
MOUNTING	HORIZONTAL
HOUSING ENTRY TYPE	TOOLLESS
FIXTURE COLOR	GRAY
IES DISTRIBUTION TYPE	ASYMMETRICAL (FORWARD)
POWER FACTOR	>.0.90
UL LISTED	YES
DRIVE CURRENT	0.910A
CCI	3000K
CRI	MINIMUM 70
INITIAL LUMENS	25600



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**

POLE ELEVATIONS

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ANCHORAGE, AK 99502
(907) 269-0590

FILE: I:\PROJECTS\ANCHORAGE\CFHWY00260_CTF_BLM_REALIGN\CAD\16\PLANS\1_V1_SHEETS\00260_SIGNAL-DESIGN.DWG
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NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H20	H26

CONTROLLER ASSEMBLY EQUIPMENT	
SUPPLY ALL LABOR, EQUIPMENT AND MATERIALS TO PROVIDE A FULLY FUNCTIONING TRAFFIC SIGNAL CONTROLLER ASSEMBLY COMPLIANT WITH THE NEMA STANDARD PUBLICATION NO. TS2-2003 V02.06 AND SPECIAL "SPECIALS" PROVISIONS OF THIS CONTRACT INCLUDING BUT NOT LIMITED TO:	
QTY	CONTROLLER/MMU EQUIPMENT
0	ECONOLITE COBALT CONTROLLER
1	CONTROLLER TELEMETRY MODULE TCM-FSK-9 OR APPROVED EQUAL
1	CONTROLLER ETHERNET PORT
1	CONTROLLER DATA KEY
0	ECONOLITE MMU2-16LEIP
1	MMU2 CARD
QTY	CABINET EQUIPMENT
16	RENO LS-200 LOAD SWITCHES OR APPROVED EQUAL
16	RENO GT-200-SS 2-CHANNEL DETECTOR AMPLIFIERS OR APPROVED EQUAL
6	RENO TR-200 FLASH TRANSFER RELAYS OR APPROVED EQUAL
4	ECONOLITE BIU-64 TERMINAL AND FACILITIES BIU'S
6	ECONOLITE BIU-64 DETECTION BIU'S
1	ECONOLITE PS-2412 TS2 CABINET POWER SUPPLY
2	ECONOLITE 801 FLASHER
2	K1 RELAY
2	750/1500W SELECTABLE THERMOSTATICALLY CONTROLLED CABINET HEATER, MOUNT ON DOOR
0	RE-SEALABLE PRINT POUCH OF SUFFICIENT SIZE TO ACCOMMODATE CABINET PRINTS
1	COMPLETE SET OF MANUAL FOR CONTROLLER, MMU, AND VEHICLE DETECTOR AMPLIFIERS

COMMUNICATION EQUIPMENT SCHEDULE	
QTY	RADIO INTERCONNECT SYSTEM
0	MDS MODEL 4790A 330-512MHZ LICENSED MASTER RADIO (NON-PROTECTED)
0	MDS MODEL 4710A 330-512MHZ LICENSED TRANCEIVER
0	ANTENEX 450-470MHZ 10.2DB N(F) YAGI ANTENNA
0	ANDREW LDF4-50 COAXIAL CABLE HELIAX .63 OD (UNIT LINEAR FEET)
0	MDS 01-3682A01 AC ADAPTER 12V-30W 110/220VAC
0	ANDREW CONNECTOR, LDF4-50 N(M)
0	ANDREW CONNECTOR, LDF4-50 N(F)
0	POLYPHASED LIGHTING PROTECTOR, FLANGED N(F)-N(F)
QTY	FIBER INTERCONNECT EQUIPMENT
0	ACTELIS NETWORKS MODEL ML530 WITH TWO 100/1000 BASE FX SFP PORTS AND FOUR PORTS OF 10/100 BASE-T OR APPROVED EQUAL
0	AC POWER ADAPTER 506R00005 OR APPROVED EQUAL
0	3 FOOT CAT6 PATCH CABLE
0	SFP OPTICS 100BASE FX SM 1310NM 15KM LC MODULE 506R00032 OR APPROVED EQUAL
0	CARRIER-CLASS ELEMENT MANAGEMENT SYSTEM
0	LC DUPLEX SM FIBER OPTIC CABLE ASSEMBLY 3 METERS OR APPROVED EQUAL
0	WALL MOUNTING KIT 510R21080 OR APPROVED EQUAL
QTY	ON-STREET MASTER CONTROLLER
0	MASTER CONTROLLER, ECONOLITE ASC/2M-1000
0	56K INDUSTRIAL MODEM & PHONE DROP (INCLUDES TELCO ACTIVATION)
0	ECONOLITE GPS-100 GPS TIME REFERENCE OR APPROVED EQUAL
QTY	OTHER EQUIPMENT
0	ATS1 PCMT-2600 MMU TESTER W/MMU & CMU CABLES
0	FULLY FUNCTIONING TRAFFIC SIGNAL CONTROLLER, MASTER CONTROLLER AND CABINET
0	INDUCTIVE LOOP TEST KITS
0	LOOP FINDERS
0	BIU TESTERS
0	FRAME GRABBER
0	MULTI-SWITCH TESTER
0	BIU SLOT TESTER
0	CARD RACK SLOT TESTER
0	DETECTOR TESTER
0	MCCAIN CID II
0	RADIO SITE SURVEY LOCATIONS
0	INTX DIAGRAM LOCATIONS
0	RSL910 ETHERNET SWITCH (COPPER AND FIBER) OR APPROVED EQUAL
QTY	EVP EQUIPMENT
1	OPTICOM MODEL 764 PHASE SELECTOR
1	OPTICOM MODEL 3100 GPS RADIO UNIT

NOTES:

- INSTALL NEW EQUIPMENT IN EXISTING CABINET AT LOCATION SHOWN IN FOUNDATION SCHEDULE, OR AT OTHER LOCATIONS AS SHOWN IN PLANS



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
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**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

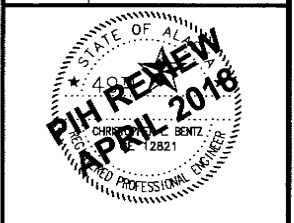
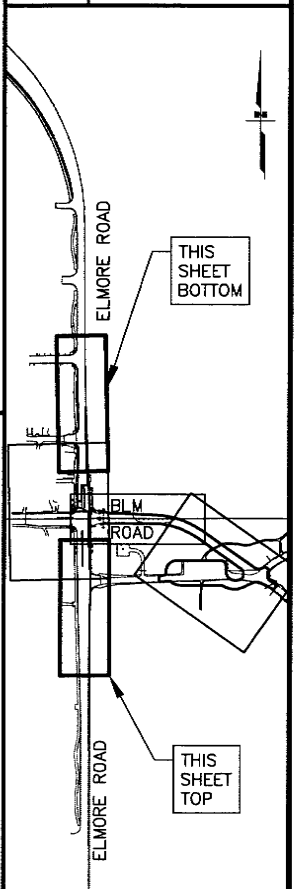
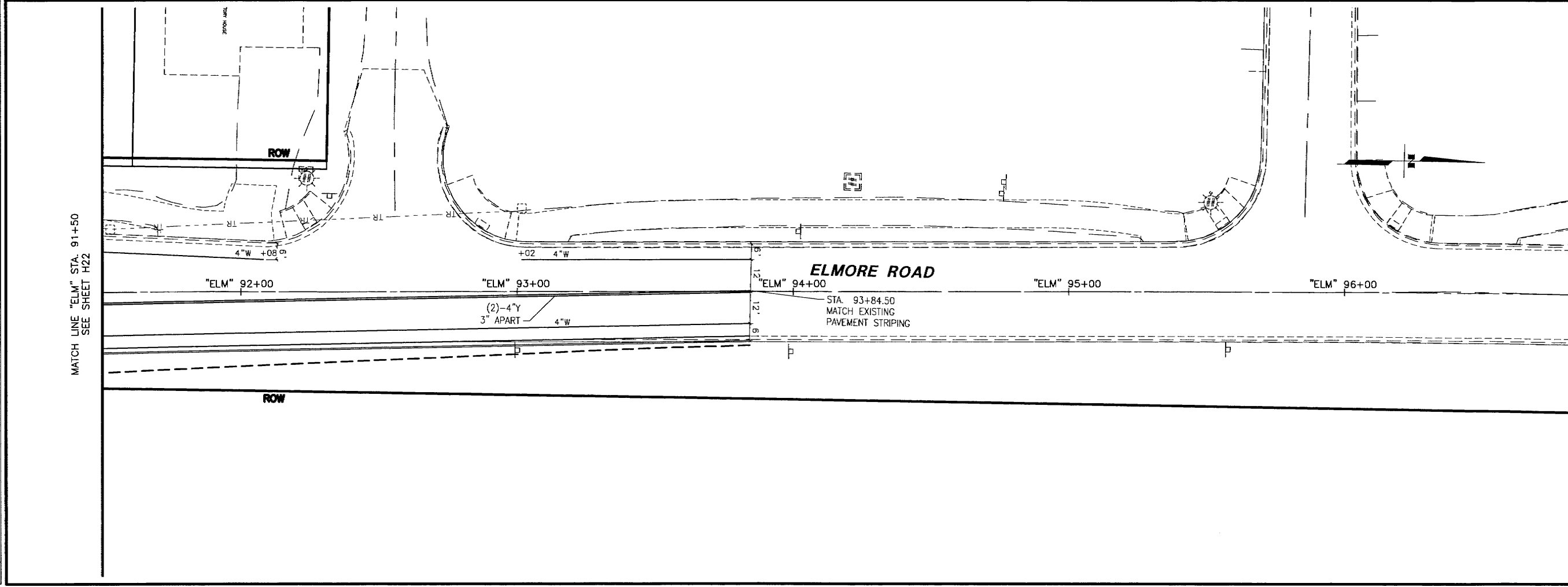
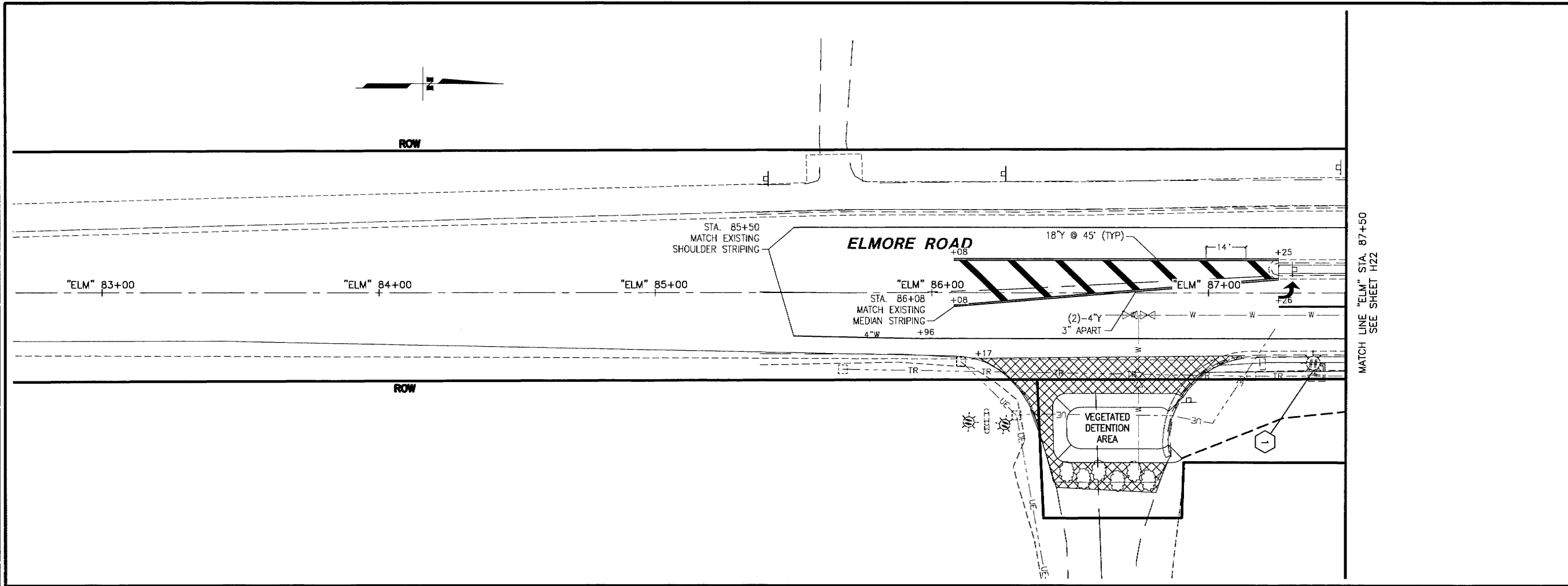
**CONTROLLER EQUIPMENT
 SCHEDULE**

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SHEET NO.	TOTAL SHEETS
H21	H26
STATE	YEAR
ALASKA	2018

PROJECT DESIGNATION
**AKBLM AFO 2014(1)/
 CFHWY00260**

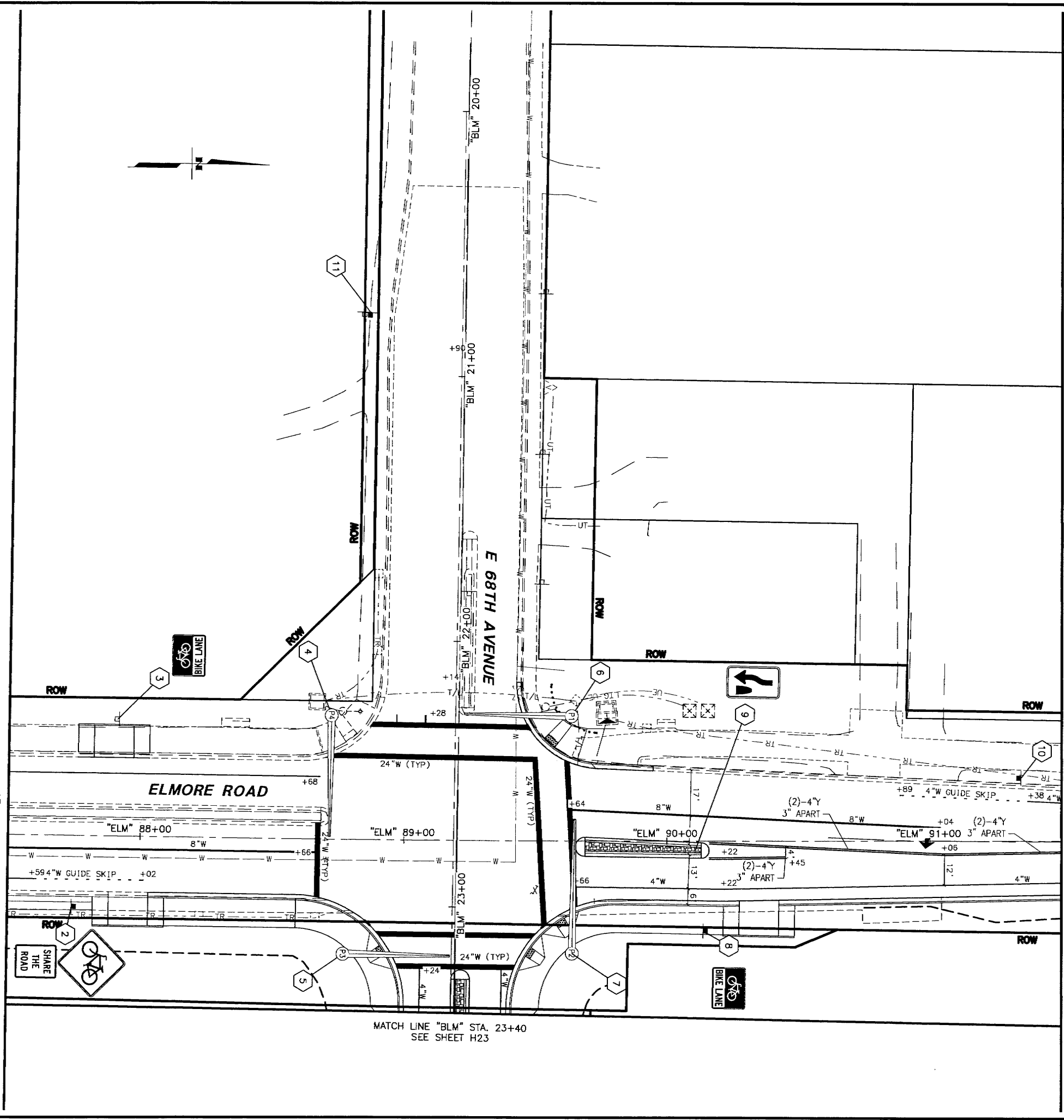
NO.	REVISION



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STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**
 SIGNING, STRIPING, AND
 ILLUMINATION:
 ELMORE RD STA. B.O.P. TO 87+50
 & STA. 91+50 TO E.O.P.

FILE \\PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_REALIGN\CAD\16\PLANS\1\1_SHEETS\WPLAN.DWG DATE/TIME 4/27/2018 2:47 PM LAYOUT ELMORE_INTR DESIGNED LAS CHECKED CLB DRAFTED MF

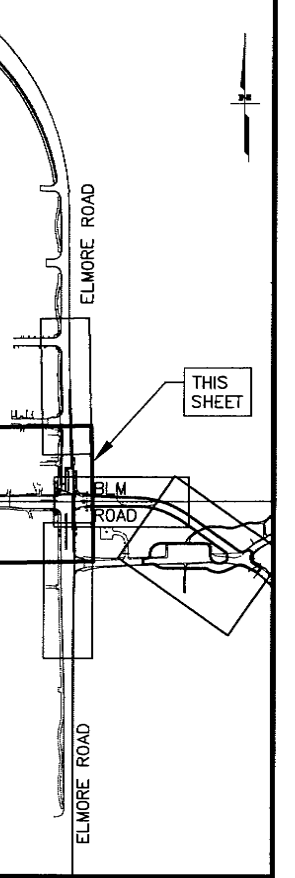


MATCH LINE "ELM" STA. 87+50
SEE SHEET H21

MATCH LINE "BLM" STA. 23+40
SEE SHEET H23

MATCH LINE "ELM" STA. 91+50
SEE SHEET H21

SHEET NO.	TOTAL SHEETS
H22	H26
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/ CFHWY0260	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	

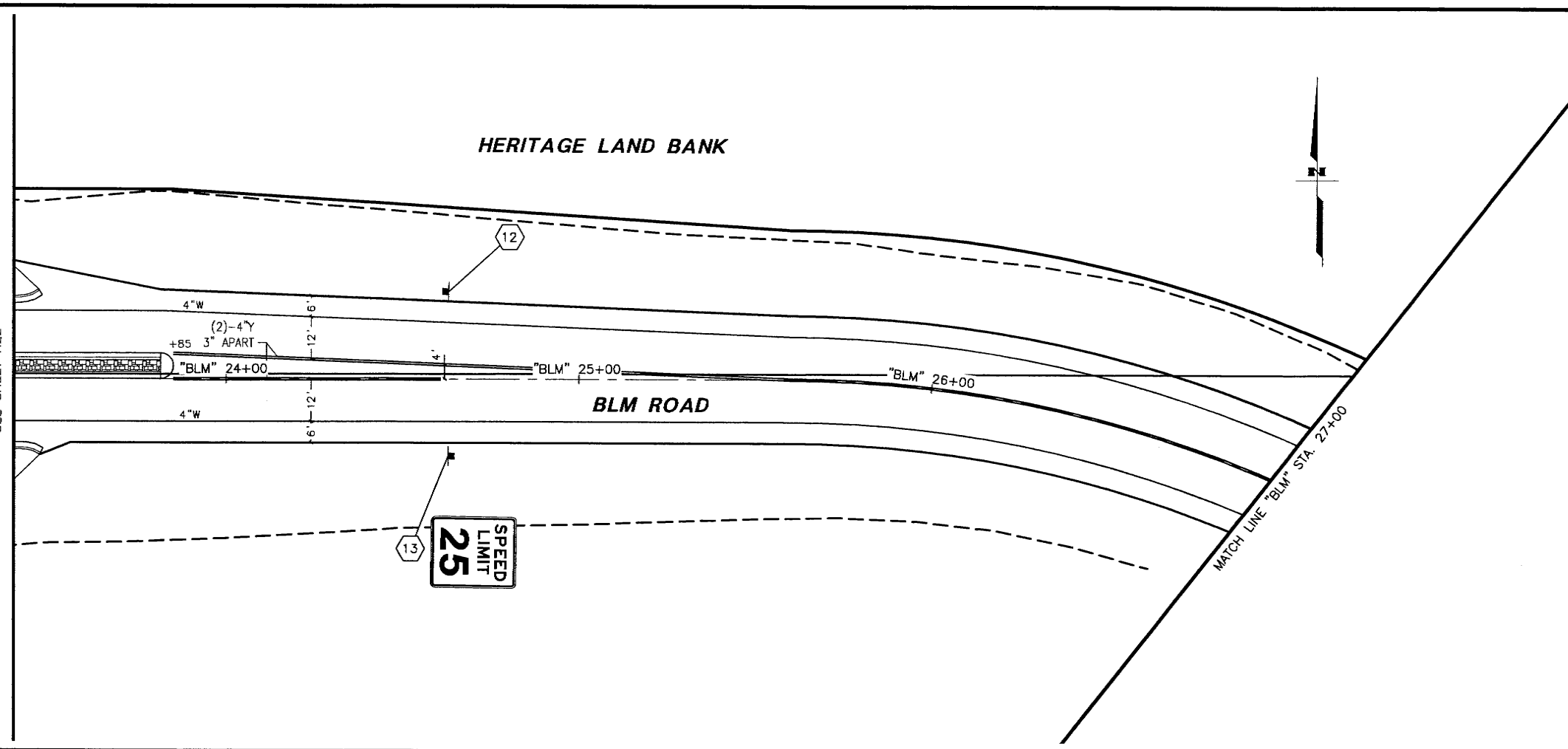


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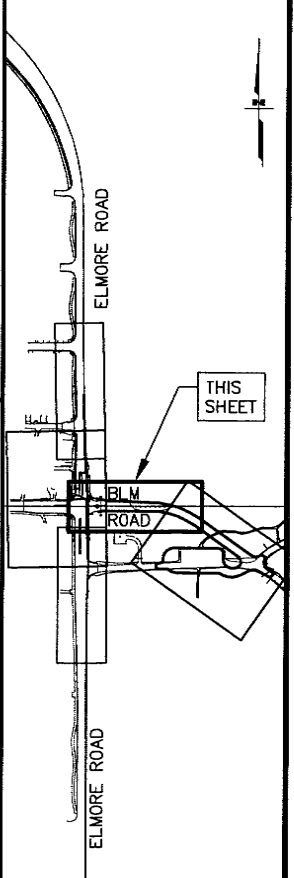
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)
SIGNING, STRIPING, AND
ILLUMINATION:
ELMORE RD STA. 87+50
TO STA. 91+50

FILE T:\PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_REALIGN\CD\3D16\PLANS\SET\1\SHEETS\1\PLAN.DWG DATE/TIME 4/27/2018 2:48 PM LAYOUT BLM 1 DESIGNED LAS CHECKED CLB DRAFTED MF

MATCH LINE "BLM" STA. 23+40
SEE SHEET H22



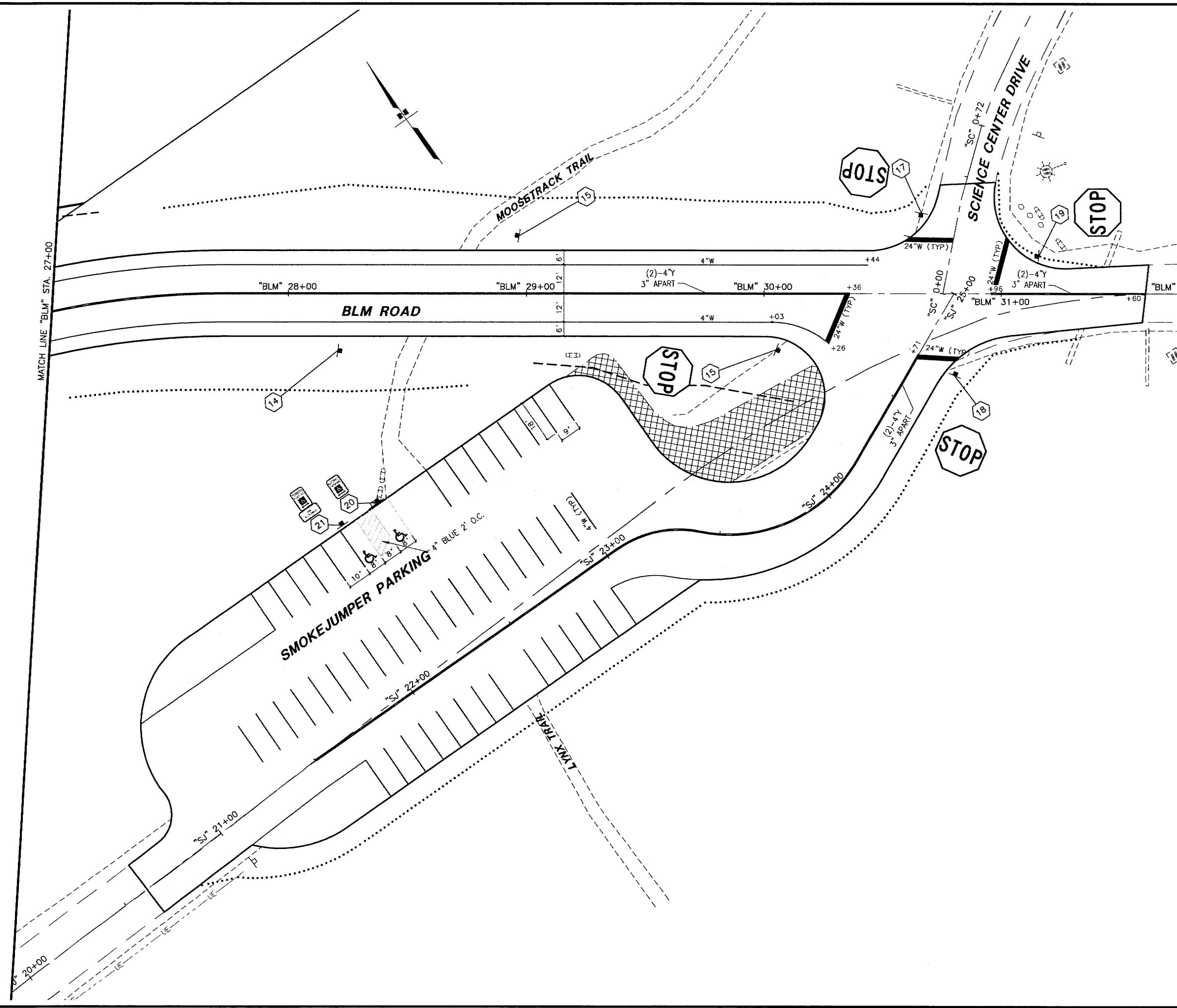
SHEET NO.	TOTAL SHEETS
H23	H26
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/CFHWY00260	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



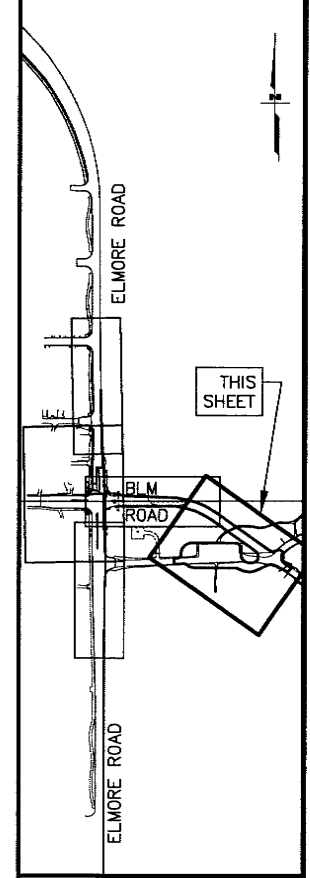
STATE OF ALASKA DOT&PF
4111 AVATION AVENUE
ANCHORAGE, AK 99502
(907) 269-0590

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)**
SIGNING, STRIPING, AND
ILLUMINATION:
BLM RD STA. 23+40
TO STA. 27+00

FILE: \PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_REALIGN\CAD\316\PLANS\SET\H_SHEETS\HPLAN.DWG DATE/TIME: 4/27/2018 2:48 PM LAYOUT: BLM & SJ DESIGNED: LAS CHECKED: CLB DRAFTED: MF



SHEET NO.	TOTAL SHEETS
H24	H26
STATE	YEAR
ALASKA	2018
PROJECT DESIGNATION	
AKBLM AFO 2014(1)/CFHWY00260	
NO.	REVISION
DATE	
NO.	REVISION
DATE	
NO.	REVISION
DATE	



STATE OF ALASKA
 PIH REVIEW
 APRIL 2018
 CHRISTOPHER BENITZ
 LICENSE NO. 12821
 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA DOT&PF
 4111 AVIATION AVENUE
 ANCHORAGE, AK 99502
 (907) 269-0590

STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES










CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)

SIGNING, STRIPING, AND
 ILLUMINATION:
 BLM RD STA. 27+00 TO E.O.P. &
 SMOKEJUMPER PARKING

FILE T:\PROJECTS\ANCHORAGE\CFHWY0260_CTF_BLM_RELIGN\030116\PLANS\16\PLANSET\16\SHEETS\16\SIGN_SUMMARY.DWG
 DATE/TIME 4/27/2018 2:48 PM LAYOUT SIGN SUMMARY DESIGNED LAS CHECKED CLB DRAFTED MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H25	H26

SIGN SUMMARY

SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN)		AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED?		REMARKS
						WIDTH	HEIGHT				YES	NO	
SOUTH TO NORTH ELMORE ROAD													
	1		RT	R3-8XX	LEFT/ THRU RT DIRECTIONAL SIGN	36	30	7.50	S	LIGHT POLE			
	2		RT	W11-1		30	30	6.25	S	1-2.5" PT			
	2			W16-1P	SHARE THE ROAD	18	24	3.00	S				
	3		LT	R3-17		30	24	5.00	N	2.5" PT			
	4		LT	D3-1	E 68TH AVE/BLM RD W/ DIRECTIONAL ARROWS	84	33	19.25	N	SIGNAL POLE			
	4		LT	D3-101	ELMORE RD 6800	36	8	2.00	N	SIGNAL POLE			
	4		LT	R10-3ER		9	15	0.94	E	SIGNAL POLE			
	5		RT	R10-12		24	30	5.00	W	SIGNAL POLE			
	5		RT	D3-1B	ELMORE RD	60	24	10.00	W	SIGNAL POLE			
			RT	R3-5R		30	36	7.50	W	SIGNAL POLE			
	5		RT	D3-101	BLM RD 4200	36	8	2.00	W	SIGNAL POLE			
	5		RT	R10-3EL		9	15	0.94	E	SIGNAL POLE			
	6		LT	R10-12		24	30	5.00	E	SIGNAL POLE			
	6		LT	D3-1B	ELMORE RD	60	24	10.00	E	SIGNAL POLE			
	6		LT	D3-101	E 68TH AVE 4100	36	8	2.00	E	SIGNAL POLE			
	6		LT	R10-3ER		9	15	0.94	S	SIGNAL POLE			
	6		LT	R10-3EL		9	15	0.94	E	SIGNAL POLE			



STATE OF ALASKA
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC FACILITIES
**CTF ALTERNATE ENTRANCE
 ALIGNMENT (WFL)**

SIGN SUMMARY

FILE T:\PROJECTS\ANCHORAGE\CFHWY00260_CTF_BLM_RELICIA\CAD\16\PLANSET\1_SHEETS\1_SHEETS\0260_SIGN_SUMMARY.DWG DATE/TIME 4/27/2018 2:48 PM LAYOUT SIGN SUM2 DESIGNED LAS CHECKED CLB DRAFTED MF

NO.	DATE	REVISION	STATE	PROJECT DESIGNATION	YEAR	SHEET NO.	TOTAL SHEETS
			ALASKA	AKBLM AFO 2014(1)/CFHWY00260	2018	H26	H26

SIGN SUMMARY													
SHEET NO.	SIGN NO.	STATION ALIGNMENT	CL REF	TYPE	LEGEND	SIZE (IN)		AREA (SQ FT)	SIGN FACES	POST NO., SIZE, & TYPE	FRAMED?		REMARKS
						WIDTH	HEIGHT				YES	NO	
	7		RT	D3-1	E 68TH AVE/BLM RD W/ DIRECTIONAL ARROWS	84	24	14.00	S	SIGNAL POLE			
	7		RT	D3-101	ELMORE RD 6700	36	8	2.00	S	SIGNAL POLE			
	7		RT	R10-3ER		9	15	0.94	W	SIGNAL POLE			
	7		RT	R10-3EL		9	15	0.94	S	SIGNAL POLE			
	8		RT	R3-17		30	24	5.00	S	2.5" PT			
	9		RT	R4-7C		18	30	3.75	N	2.5" PT			
	10		LT	R3-8XX	RTTHRU/LT	36	30	7.50	N	2.5" PT			
EAST TO WEST E 68TH AVE/BLM ROAD													
	11		RT	R3-8XX	LTTR/RT	36	30	7.50	W	2.5" PT			
	12		LT	R3-8XX	LTRRT TOGETHER	36	30	7.50	E	2.5" PT			
	13		RT	R2-1		30	36	7.50	W	2.5" PT			
	14		RT		PED WARNING	30	30	6.25	N	2.5" PT			
	15		LT		PED WARNING	30	30	6.25	S	2.5" PT			
	16		RT	R1-1		30	30	6.25	N	2.5" PT			
	17		LT	R1-1		30	30	6.25	E	2.5" PT			
	18		RT	R1-1		30	30	6.25	W	2.5" PT			
	19		LT	R1-1		30	30	6.25	S	2.5" PT			
	20		RT			12	24	2.00	S	2.5" PT			
	21		RT	R7-8		12	24	2.00	S	2.5" PT			
	21		RT	R7-8A		12	2	0.17	S				



STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CTF ALTERNATE ENTRANCE
ALIGNMENT (WFL)

SIGN SUMMARY