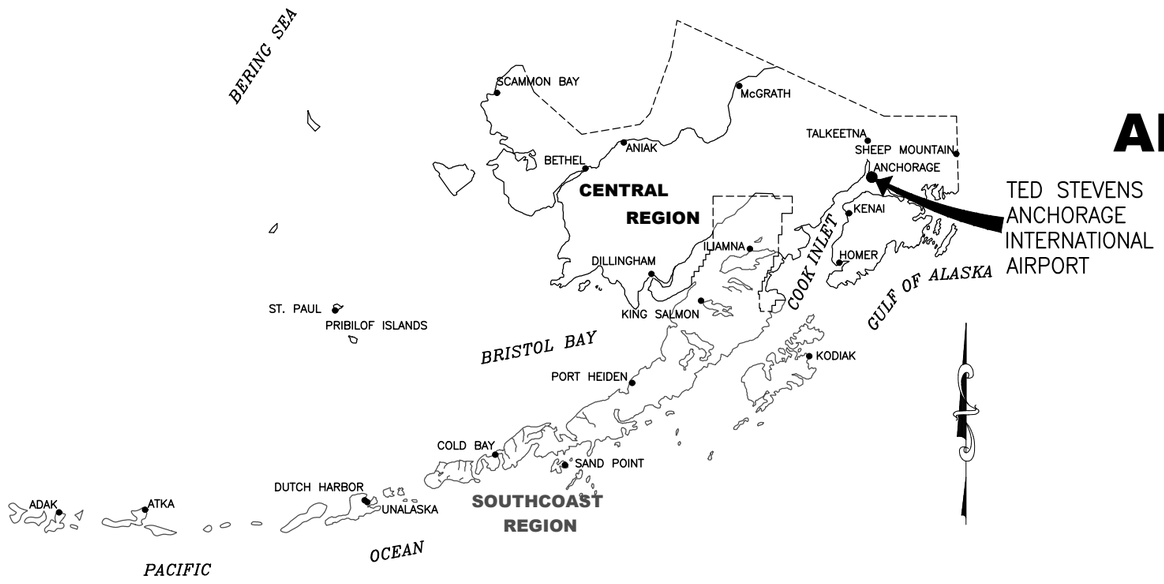
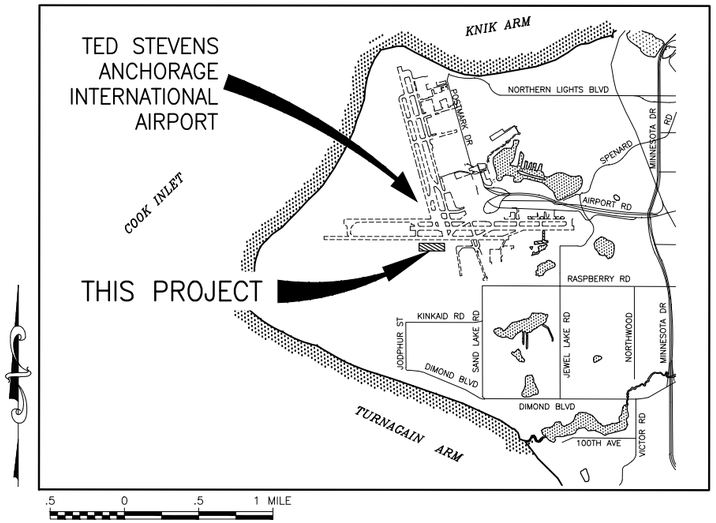


ALASKA CENTRAL REGION LOCATION MAP

NOT TO SCALE



VICINITY MAP

T 12 N, R 4 W SEC. 3, 4, & 5
T 13 N, R 4 W, SEC. 32, 33, 34, & 35
SEWARD MERIDIAN U.S.G.S. ANCHORAGE (A-8), ALASKA

CONSTRUCTION PLANS
TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIRPORT IMPROVEMENT PROGRAM
No. 3-02-0016-XXX-2026

PS&E REVIEW
JANUARY 2026

APPROVED	DATE
LUKE BOWLAND, P.E.	REGIONAL PRECONSTRUCTION ENGINEER
APPROVED	DATE
STEVEN RZEPKA, P.E.	AVIATION DESIGN GROUP CHIEF
APPROVED	DATE
AARON HUGHES, P.E.	PROJECT MANAGER
APPROVED	DATE
JOEL G. ST. AUBIN, P.E.	REGIONAL CONSTRUCTION ENGINEER

STANTEC CONSULTING SERVICES INC.
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ANCHORAGE, AK 99503-5963
(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
TITLE, SIGNATURES, LOCATION MAP, & VICINITY MAP

DATE: 01/09/2026
SHEET: 1 OF 41

Designed By: EJG
Drawn By: JAG
Checked By: EJG
Date Revised: 1/09/2026, 2:42 PM
Layout Name: TITLE SIGNATURES LOCATION MAP & VICINITY MAP
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INDEX

APPENDIX DRAWINGS

ALASKA STANDARD PLANS

ABBREVIATIONS

ABN	ABANDONED
ADEC	ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AC	ADVISORY CIRCULAR
ACC	ASPHALT CEMENT CONCRETE
ACM	ARTICULATED CONCRETE MATTING
ACS	ALASKA COMMUNICATIONS SYSTEM
AIP	AIRPORT IMPROVEMENT PROGRAM
ANC	ANCHORAGE INTERNATIONAL AIRPORT
AOA	AIR OPERATIONS AREA
ATB	ASPHALT TREATED BASE
ATCT	AIR TRAFFIC CONTROL TOWER
ATM	ALASKA TEST METHOD
AWG	AVERAGE WIRE GAUGE
BOP	BEGINNING OF PROJECT
BRL	BUILDING RESTRICTION LINE
BVCE	BEGIN VERTICAL CURVE ELEVATION
BVCS	BEGIN VERTICAL CURVE STATION
CABC	CRUSHED AGGREGATE BASE COURSE
CASC	CRUSHED AGGREGATE SURFACE COURSE
CEA	CHUGACH ELECTRIC ASSOCIATION
CL, ℄	CENTERLINE
CMMP	CONTAMINATED MATERIAL MANAGEMENT PLAN
CMP	CORRUGATED METAL PIPE
COMM	COMMUNICATION
CPE	CORRUGATED POLYETHYLENE PIPE
CPM	CRITICAL PATH METHOD
CS	CONTINGENT SUM, CORRUGATED STEEL
CSPP	CONSTRUCTION SAFETY & PHASING PLAN
CTAF	COMMON TRAFFIC ADVISORY FREQUENCY
CY	CUBIC YARD
DEMO	DEMOLITION
DIA, ⌀	DIAMETER
DIP	DUCTILE IRON PIPE
DOT&PF	STATE OF ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
DRO	DIESEL RANGE ORGANICS
DWPA	DRINKING WATER PROTECTION AREA
E	EASTING, EAST
EA	EACH
ELEV	ELEVATION
EOP	END OF PROJECT
ESCP	EROSION AND SEDIMENT CONTROL PLAN
EVCE	END VERTICAL CURVE ELEVATION
EVCS	END VERTICAL CURVE STATION
FAA	FEDERAL AVIATION ADMINISTRATION
FCS	FLOW CONTROL STRUCTURE
FG	FINISHED GRADE
FI	FIELD INLET
FO	FIBER OPTIC (UNDERGROUND)
FOD	FOREIGN OBJECT DEBRIS
FT	FOOT
GA	GAUGE
GAL	GALLON
GB	GRADE BREAK
GCI	GENERAL COMMUNICATION INC.
HDG	HOT DIP GALVANIZED
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HMA	HOT MIX ASPHALT
HP	HORSEPOWER
HR	HOUR
IN	INCH
INC.	INCORPORATED
INT'L	INTERNATIONAL
LB	POUND
LF	LINEAR FOOT
LS	LUMP SUM
LT	LEFT
MAINT	MAINTENANCE
MAX	MAXIMUM
ME	MATCH EXISTING
M–GAL	THOUSAND GALLONS
MH	MANHOLE
MIN	MINIMUM
N	NORTHING, NORTH
NAVAIDS	NAVIGATIONAL AIDS
NO.	NUMBER
NOTAM	NOTICE TO AIRMEN
NTS	NOT TO SCALE
OC	ON CENTER
OFZ	OBSTACLE FREE ZONE
OG	ORIGINAL GROUND
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PFAS	PER–AND POLYFLUOROALKYL SUBSTANCES
PFOS	PERFLUOROOCTANESULFONIC ACID
PI	POINT OF INTERSECTION
PREP	PREPARE
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
R	RADIUS
RAP	RECYCLED ASPHALT PAVEMENT
REQ'D	REQUIRED
ROFA	RUNWAY OBJECT FREE AREA
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RW	RUNWAY
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SF	SQUARE FEET
STA	STATION
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
SY	SQUARE YARD
TL	TAXILANE
TOFA	TAXIWAY/TAXILANE OBJECT FREE AREA
TRM	TURF REINFORCEMENT MATTING
TSA	TAXIWAY/TAXILANE SAFETY AREA
TW	TAXIWAY
TYP	TYPICAL
UE	ELECTRIC LINE (UNDERGROUND)
UCOM	COMMUNICATION LINE (UNDERGROUND)
UD	UNDERDRAIN
VHF	VERY HIGH FREQUENCY
VOR/DME	VHF OMNIDIRECTIONAL RANGE DISTANCE MEASURING EQUIPMENT
W/	WITH

ABBREVIATIONS

MIN	MINIMUM
N	NORTHING, NORTH
NAVAIDS	NAVIGATIONAL AIDS
NO.	NUMBER
NOTAM	NOTICE TO AIRMEN
NTS	NOT TO SCALE
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UE	ELECTRIC LINE (UNDERGROUND)
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UD	UNDERDRAIN
VHF	VERY HIGH FREQUENCY
VOR/DME	VHF OMNIDIRECTIONAL RANGE DISTANCE MEASURING EQUIPMENT
W/	WITH

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#126386

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TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
INDEX & ABBREVIATIONS

DATE: 01/09/2026

LEGEND

DESCRIPTION	EXISTING	PROPOSED
AIRPORT PROPERTY BOUNDARY		
ARTICULATED CONCRETE MATTING		
BUILDING		
CENTERLINE (RUNWAY/TAXIWAY)		
CLEANOUT		CO
CLEANOUT NUMBER		CO–#
COMMUNICATION LINE (ABANDONED UNDERGROUND)	ABN–UCOM	
COMMUNICATION LINE (UNDERGROUND)	UCOM	UCOM
COMMUNICATION MANHOLE	C	C
CONTAMINATED SOIL SEPARATION LINER		
CONTOURS	100	100
CULVERT WITH AND WITHOUT END SECTIONS		
DETAIL CALLOUT		X / XX
DITCH/SWALE		
ELECTRICAL LINE (UNDERGROUND)	UE	UE
ELECTRICAL HANDHOLE		
ELECTRICAL MANHOLE	E	E
ELECTRICAL TYPE II JUNCTION BOX	E	E
FENCE	x x	
FENCE GATE (WIRE STRAND)	x x	
FIRE HYDRANT		
FIBER OPTIC TRANSMISSION SYSTEM (UNDERGROUND)	FO	FO
FUEL LINE (UNDERGROUND)	F	F
GAS LINE (UNDERGROUND)	G	
GEOTEXTILE, SEPARATION		
GRADE BREAK		
GRAVEL EDGE		
HAUL ROUTE (TWO WAY)		
IDENTIFICATION BUBBLE		XX
LIGHTING DUCT		
LIGHTING		
LIGHT (TAXIWAY EDGE, OMNI–DIRECTIONAL)		
LIGHT (CENTERLINE)		
LIGHT (MISC)		
MONITORING WELL	MW	

DESCRIPTION	EXISTING	PROPOSED
OBJECT FREE AREA	OFA	OFA
PAINT STRIPE		
PAVEMENT GROOVING		
PAVEMENT/SHOULDER (EDGE)		
PIPE NUMBER		P–#
POINT NUMBER		XXX
ROADWAYS / SHOULDER (EDGE, GRAVEL)		
RUNWAY SAFETY AREA	RSA	RSA
RUNWAY OBJECT FREE AREA	ROFA	
SANITARY SEWER LINE (UNDERGROUND)	SS	
SANITARY SEWER STRUCTURE	S	
SHEET NOTE SYMBOL		1
SIGN POST		
LIGHTED AIRPORT SIGN		
SPOT ELEVATION		##.##
SLOPE LIMITS, CUT		
SLOPE LIMITS, FILL		
SLOPE WITH GRADE		0%
STORM DRAIN LINE (UNDERGROUND)	SD	SD
STORM DRAIN MANHOLE / INLET		CDMH
STRUCTURAL EDGE		
STRUCTURE NUMBER		S–#
SURVEY MONUMENT		
TAXIWAY/TAXILANE SAFETY AREA	TSA	TSA
TAXIWAY/TAXILANE OBJECT FREE AREA		TOFA
TELEPHONE PEDESTAL	T	T
UNDERDRAIN PIPE	UD	UD
UNDERDRAIN PIPE NUMBER		U–#
WATER LINE (UNDERGROUND)	W	W
WATER VALVE		

DESCRIPTION	EXISTING	PROPOSED

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Drawn By: JAG
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PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
LEGEND

DATE: 01/09/2026
SHEET: 3 OF 41

ESTIMATED QUANTITIES

No.	ITEM	UNIT	QUANTITY
D701.030.0024	HDPE PIPE, 24–INCH	LF	525
D701.030.0048	HDPE PIPE, 48–INCH	LF	835
D705.020.4008	UNDERDRAIN, CPE PIPE, TYPE SP, 8–INCH	LF	5,579
D705.070.0000	CLEANOUT	EACH	24
D751.010.0048	MANHOLE, TYPE I, 48–INCH	EACH	2
D751.010.0096	MANHOLE, TYPE III, 96–INCH	EACH	1
D751.010.0096	MANHOLE, TYPE III, 96–INCH	EACH	1
G100.010.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D
G135.010.0000	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LS	ALL REQ'D
G135.020.0000	EXTRA THREE PERSON SURVEY PARTY	HR	30
G135.050.0000	CONTRACTOR FURNISHED ENGINEERING TOOLS	CS	ALL REQ'D
G135.060.0000	CONTRACTOR FURNISHED COMPUTATIONS	LS	ALL REQ'D
G150.010.0075	EQUIPMENT RENTAL, DOZER 75–HP MINIMUM	HR	40
G150.030.0000	EQUIPMENT RENTAL, VAC–TRUCK	CS	ALL REQ'D
G200.010.0000	CONTRACTOR QUALITY CONTROL PROGRAM	LS	ALL REQ'D
G300.010.0000	CPM SCHEDULING	LS	ALL REQ'D
G301.010.0000	PULL PLANNING	LS	ALL REQ'D
G700.040.0000	TRAFFIC CONTROL FOR AIRPORTS	CS	ALL REQ'D
G705.010.0000	WATERING FOR DUST CONTROL	MGAL	3,960
L108.010.2006	UNDERGROUND CABLE #6 AWG, COPPER, 5KV FAA TYPE C, L–824	LF	900
L108.010.2008	UNDERGROUND CABLE #8 AWG, COPPER, 5KV FAA TYPE C, L–824	LF	75,400
L108.030.0006	#6 BARE COPPER GROUND CONDUCTOR	LF	20,100
L108.070.0000	GROUND ROD	EACH	19
L110.080.1002	HDPE CONDUIT, 2–INCH	LF	7,020
L110.115.1002	PE CONDUIT, 2–INCH, CONCRETE ENCASED	LF	5,550
L110.130.0002	MULTI–WAY DUCT IN CONCRETE (2 CONDUITS)	LF	210
L110.130.1002	MULTI–WAY DUCT (2 CONDUITS)	LF	670
L110.240.0000	DRYWELL	EACH	12
L115.010.0000	ELECTRICAL MANHOLE	EACH	1
L125.020.0010	REGULATOR, L–829	EACH	3
L125.040.0000	TAXIWAY EDGE LIGHT, L–861T	EACH	50
L125.060.0000	PRIMARY HANDHOLE, L–868, SIZE B	EACH	50
L125.070.0000	REMOVE RUNWAY AND TAXIWAY LIGHT	EACH	3
L125.095.0000	FLUSH TAXIWAY LIGHT, L–852C, L–852D, L–852F, L–852G, L–852K, OR L–852T	EACH	108
L125.100.0000	FLUSH RUNWAY EDGE LIGHT, L–850C	EACH	3
L125.120.0000	RUNWAY GUARD LIGHT, L–804	EACH	2
L125.130.0000	AIRPORT SIGN, L–858	EACH	6
L125.150.0000	HANDHOLE, L–867, SIZE B	EACH	18
L125.170.0000	SPARE PARTS	CS	ALL REQ'D
L125.210.0000	ADJUST RUNWAY AND TAXIWAY LIGHT	EACH	59
L125.500.0000	MISCELLANEOUS AIRPORT ELECTRICAL WORK	CS	ALL REQ'D
L130.010.0000	SURFACE SENSOR SYSTEM	LS	ALL REQ'D
P151.030.0000	CLEARING & GRUBBING	ACRE	23
P152.010.0000	UNCLASSIFIED EXCAVATION	CY	175,500
P154.020.0000	SUBBASE COURSE	TON	168,500
P161.020.0000	RECYCLED ASPHALT PAVEMENT	CY	5,200
P162.010.0000	PAVEMENT COLD PLANING	SY	21,290
P165.010.0000	REMOVAL OF STRUCTURES	LS	ALL REQ'D
P165.040.0000	REMOVAL OF STORM DRAIN PIPE	LS	ALL REQ'D
P165.052.0000	REMOVAL OF UTILITIES	LS	ALL REQ'D
P170.020.0000	SOIL TESTING PROGRAM	CS	ALL REQ'D
P170.040.0000	SUPPLEMENTAL LABORATORY TEST	CS	ALL REQ'D
P170.080.0000	"HOT" MATERIAL OFFSITE TRANSPORTATION AND DISPOSAL	CS	ALL REQ'D
P171.010.0000	TEMPORARY CONTAMINATED SOIL STOCKPILE	CS	ALL REQ'D
P171.050.0000	CONTAMINATED SOIL SEPARATION LINER	SY	5,000
P180.020.0000	RIPRAP, CLASS I	TON	303
P209.020.0000	CRUSHED AGGREGATE BASE COURSE	TON	10,820
P401.010.0030	HOT MIX ASPHALT TYPE II, CLASS A	TON	18,500
P401.010.0065	HOT MIX ASPHALT TYPE V, CLASS S	TON	9,700
P401.040.5834	ASPHALT BINDER, PG 58–34E	TON	1,550
P401.090.0000	ASPHALT MATERIAL PRICE ADJUSTMENT	CS	ALL REQ'D
P401.130.0000	HMA COMBINED PRICE ADJUSTMENT	CS	ALL REQ'D
P411.010.0000	INTELLIGENT COMPACTION FOR ASPHALT MIX PAVEMENTS	LS	ALL REQ'D
P603.010.0010	TACK COAT, STE–1	TON	71
P620.010.0000	RUNWAY AND TAXIWAY PAINTING	SF	19,600
P620.020.0000	RUNWAY AND TAXIWAY PAINTING	LS	ALL REQ'D
P621.010.0000	SAW–CUT GROOVES	SY	27,800
P641.010.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQ'D
P641.050.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL BY DIRECTIVE	CS	ALL REQ'D
P641.060.0000	WITHHOLDING	CS	ALL REQ'D
P641.070.0000	SWPPP MANAGER	LS	ALL REQ'D
P641.110.0000	SWPPPTRACK	CS	ALL REQ'D
P661.010.0000	STANDARD SIGN	SF	10
P670.010.0000	HAZARD MARKER BARRIER, PLASTIC	EACH	120
P671.020.0000	RUNWAY CLOSURE MARKER, ILLUMINATED	EACH	2
P671.040.0000	TAXIWAY CLOSURE MARKER, VINYL	EACH	4
P681.010.0000	GEOTEXTILE, SEPARATION	SY	76,000
T901.010.0000	SEEDING	ACRE	10
T905.010.0020	TOPSOILING, CLASS B	SY	48,000
U400.020.0010	UNDERGROUND FIBER OPTIC CABLE	LF	1,200
U700.020.0000	UTILITY COORDINATION	LS	ALL REQ'D
U700.030.0000	UTILITY COORDINATION	CS	ALL REQ'D

ESTIMATING FACTORS

No.	ITEM	FACTOR	
P154.020.0000	SUBBASE COURSE	1.89	TON/CY
P180.020.0000	RIPRAP, CLASS I	1.5	TON/CY
P209.020.0000	CRUSHED AGGREGATE BASE COURSE	2.0	TON/CY
P401.010.0030	HOT MIX ASPHALT TYPE II, CLASS A	2.05	TON/CY
P401.010.0065	HOT MIX ASPHALT TYPE II, CLASS S	2.05	TON/CY
P401.040.5834	ASPHALT BINDER, PG 58–34E	5.5%	OF P401 (HMA)
P603.010.0010	TACK COAT, STE–1	0.8416	LB/SY

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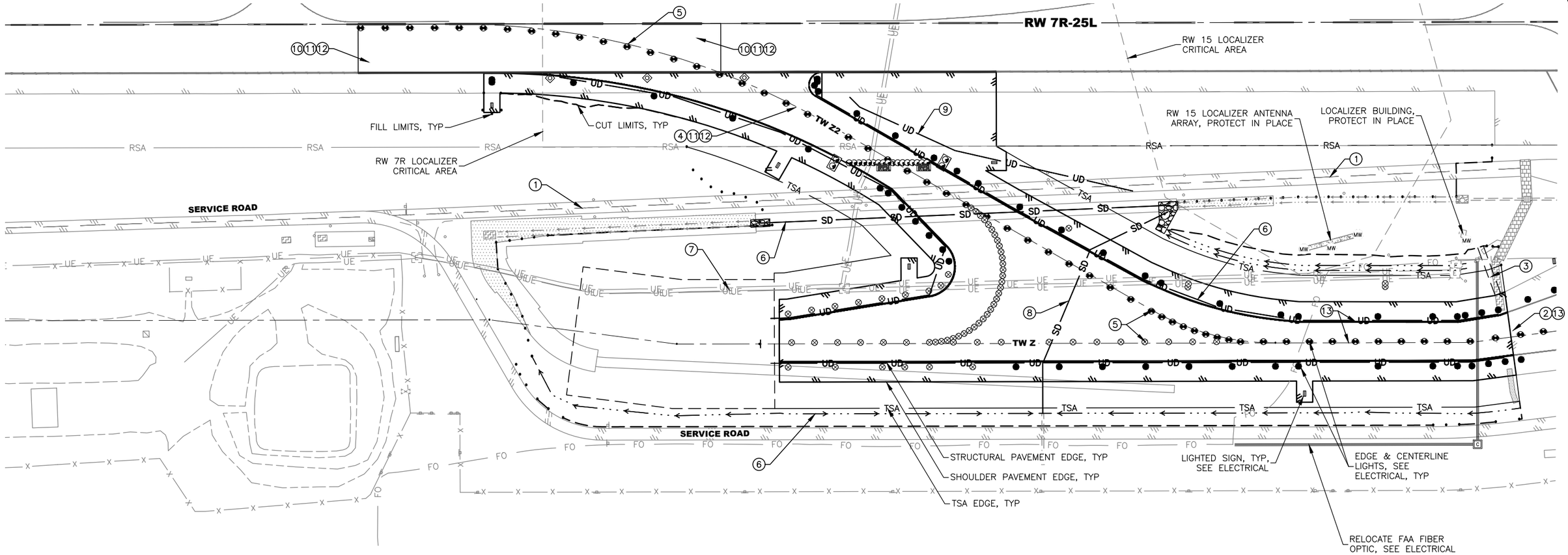

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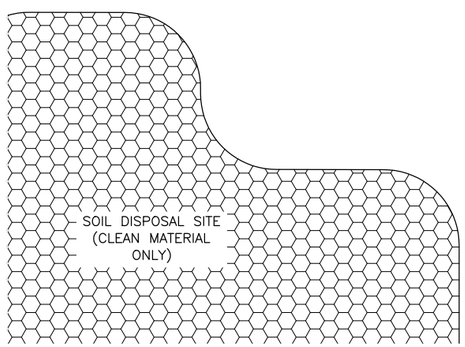
SOIL DISPOSAL SITE (CLEAN MATERIAL)

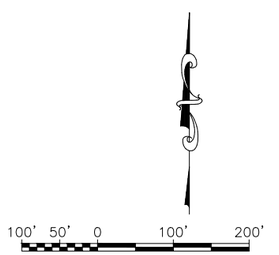


SCOPE OF THE PROJECT INCLUDES, BUT IS NOT LIMITED TO CONSTRUCTION OF THE FOLLOWING:

1. LOCALIZER ROAD PAVEMENT REMOVAL
2. EXTEND TW Z
3. CONSTRUCT FAA LOCALIZER ACCESS
4. CONSTRUCT HIGH SPEED EXIT TW Z2
5. CONSTRUCT AIRFIELD LIGHTING
6. CONSTRUCT DRAINAGE IMPROVEMENTS
7. UTILITY RELOCATION, SEE ELECTRICAL
8. STORM DRAIN INSTALLATION
9. UNDER DRAIN INSTALLATION
10. PAVEMENT COLD PLANE AND PAVE
11. PAVEMENT GROOVING
12. PAVEMENT MARKINGS

PROJECT LAYOUT PLAN GENERAL NOTES:

1. CONSTRUCT THIS PROJECT IN ACCORDANCE WITH THE PHASING REQUIREMENTS SHOWN IN THE CSPP. LOCATE CONSTRUCTION STAGING WITHIN ACTIVE WORK AREAS OR STAGING AREAS SHOWN ON SHEET AC1. A SECURED AOA MUST BE MAINTAINED AT ALL TIMES.
2. DELINEATE DISPOSAL AREA LIMITS AS DIRECTED BY THE ENGINEER.
3. MAINTAIN THE PROJECT COORDINATE SYSTEM AND STATIONING SHOWN IN THESE PLANS THROUGHOUT THE PROJECT AND USE IN THE PROJECT AS–BUILTS.
4. SEE SHEETS 6 FOR PFAS AREAS.



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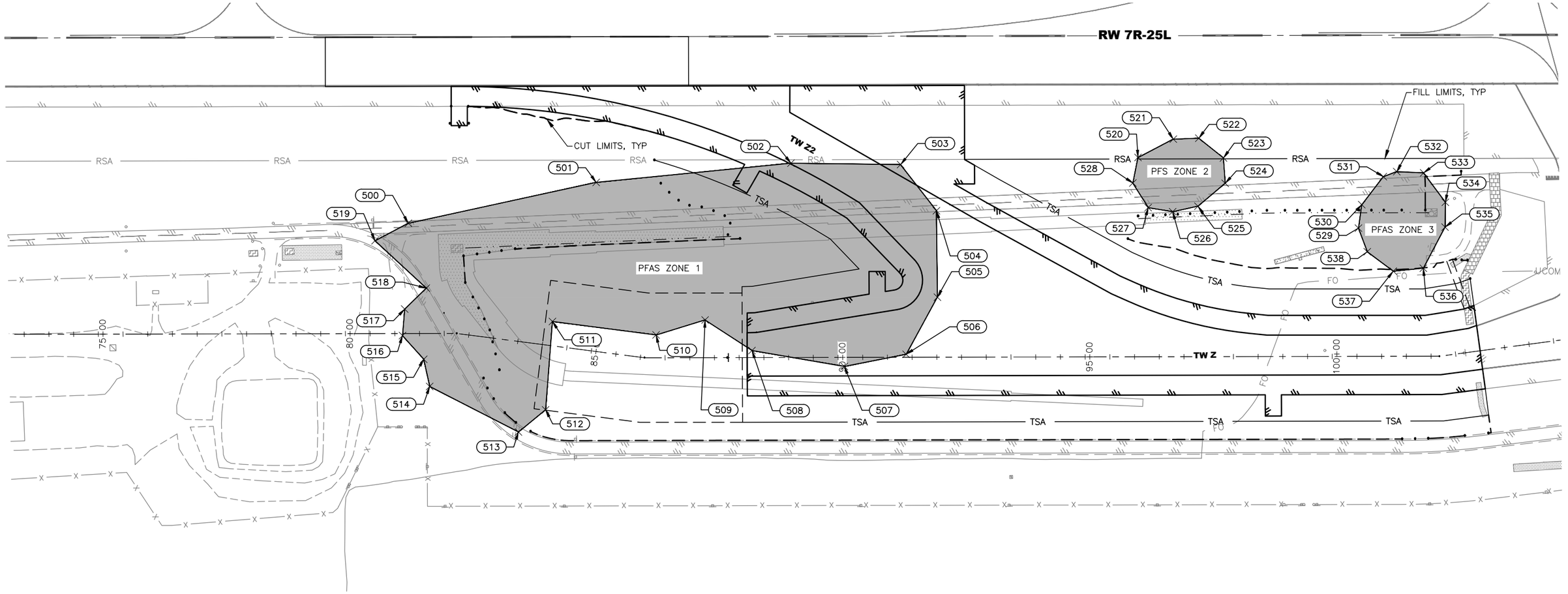
PROJECT LAYOUT PLAN

DATE: 01/09/2026
SHEET: 5 OF 41



LEGEND

PFAS CONTAMINATION ZONE

PFAS GENERAL NOTES:

1. ALL EXCAVATED MATERIALS WITHIN PFAS ZONES ARE CONSIDERED PFAS CONTAMINATED.
2. IF PFAS CONTAMINATED MATERIAL IS TO BE REMOVED AND NOT REUSED WITHIN THE PROJECT CONSTRUCTION AREA, DISPOSE OF EXCAVATED MATERIAL WITHIN THE APPROVED PFAS DISPOSAL SITE.
3. IF DIRECTED BY THE ENGINEER, DEVELOP A SEPARATE WORK PLAN AND PROVIDE FURTHER TESTING FOR PFAS CONTAMINATION IN ACCORDANCE WITH ADEC'S LATEST PUBLISHED GUIDANCE, SEE ITEM P170.
4. THE PFAS EXCAVATION VOLUME SUMMARY TABLE SHOWN ON THIS SHEET PROVIDES AN ESTIMATE OF THE IN-SITU VOLUME OF PFAS CONTAMINATED MATERIAL TO BE EXCAVATED WITHIN EACH ZONE OR AREA.

PFAS EXCAVATION VOLUME SUMMARY TABLE	
PFAS ZONE	ESTIMATED IN-SITU VOLUME (CY)
PFAS ZONE 1	31,877
PFAS ZONE 2	1,114
PFAS ZONE 3	960
TOTAL:	33,951

PFAS LOCATION TABLE		
POINT #	STATION	OFFSET
500	81+27.71	223.25 LT
501	84+65.77	339.46 LT
502	89+05.51	393.30 LT
503	91+27.49	390.11 LT
504	91+99.81	296.43 LT
505	92+01.37	121.49 LT
506	91+37.90	6.01 LT
507	90+12.82	18.34 RT
508	88+25.88	14.24 LT
509	87+31.24	76.31 LT
510	86+31.99	46.19 LT
511	84+14.26	48.84 LT
512	84+23.46	130.19 RT
513	83+74.72	181.72 RT
514	81+70.36	107.15 RT

PFAS LOCATION TABLE		
POINT #	STATION	OFFSET
515	81+58.46	52.18 RT
516	81+15.60	4.10 RT
517	81+20.12	49.57 LT
518	81+63.80	91.80 LT
519	80+60.38	188.00 LT
520	96+07.87	403.50 LT
521	96+79.33	440.46 LT
522	97+31.05	442.26 LT
523	97+80.78	402.21 LT
524	97+84.17	350.82 LT
525	97+28.87	304.63 LT
526	96+77.77	293.63 LT
527	96+28.29	301.97 LT
528	95+97.30	351.82 LT
529	100+53.69	259.65 LT

PFAS LOCATION TABLE		
POINT #	STATION	OFFSET
530	100+60.48	307.08 LT
531	101+04.23	363.68 LT
532	101+31.33	373.82 LT
533	101+85.80	371.16 LT
534	102+70.19	307.20 LT
535	102+62.90	257.42 LT
536	101+84.78	178.19 LT
537	101+23.92	172.26 LT
538	100+71.44	211.85 LT

100' 50' 0 100' 200'

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49TH

STANTEC CONSULTING SERVICES INC.
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(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
PFAS AREAS OVERVIEW

DATE: 01/09/2026
SHEET: 6 OF 41

Designed By: EJG
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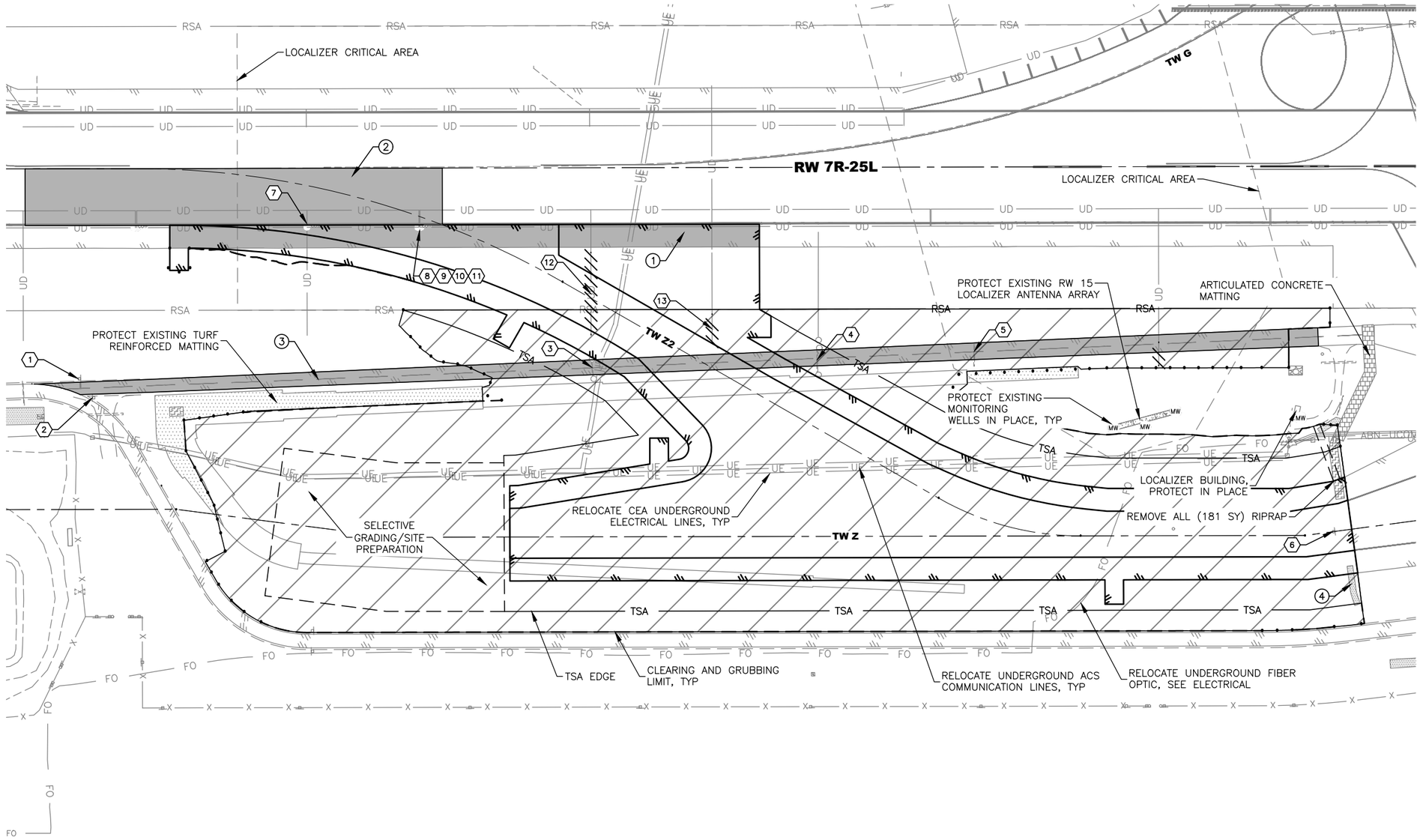
Checked By: EJG
Date Revised: 1/09/2026, 2:42 PM
Layout Name: PFAS_OVERVIEW
File Path and Name: U:\207301691O\drawing\C\sheets\00929-ANC-PFAS.dwg



DEMOLITION SHEET NOTES:

1. RW SHOULDER COLD PLANING, 4 INCHES
2. RW PAVEMENT COLD PLANING, 5 INCHES
3. LOCALIZER ACCESS ROAD PAVEMENT COLD PLANING, 3 INCHES
4. REMOVE DITCH LINING

LEGEND:

- CLEARING AND GRUBBING, SEE NOTE 7
- UNDERDRAIN DEMOLITION
- (#) STRUCTURES REMOVAL NUMBER
- ACC PAVEMENT COLD PLANE

DEMOLITION GENERAL NOTES:

1. UNDERGROUND UTILITIES EXIST WITHIN PROJECT LIMITS. SEE GCP 50-06.
2. PRIOR TO BEGINNING WORK, AS-BUILT SURVEY EXISTING RW PAVEMENT MARKINGS IN THE PROJECT AREA.
3. LIMITS OF EXCAVATION FOR ASPHALT PAVEMENT SHALL EXTEND TO THE EDGES OF EXISITNG PAVEMENT AS SHOWN, AND AS IDENTIFIED BY POINTS IN THE DEMOLITION SHEETS.
4. PAYMENT FOR ITEMS CONTAINED WITHIN THE REMOVAL OF STRUCTURES SUMMARY TABLE ON SHEET 9 WILL BE MADE UNDER P165.010.0000.
5. ALL PAVEMENT CUTS SHALL BE MADE WITH SAW OR ALTERNATIVE METHOD APPROVED BY THE ENGINEER.
6. CLEAR AND GRUB AS REQUIRED TO PROJECT CONSTRUCTION LIMITS AS DEFINED THROUGHOUT THIS PLAN SET.

100' 50' 0 100' 200'

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PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
DEMOLITION OVERVIEW

DATE: 01/09/2026
SHEET: 7 OF 41

Designed By: EJG
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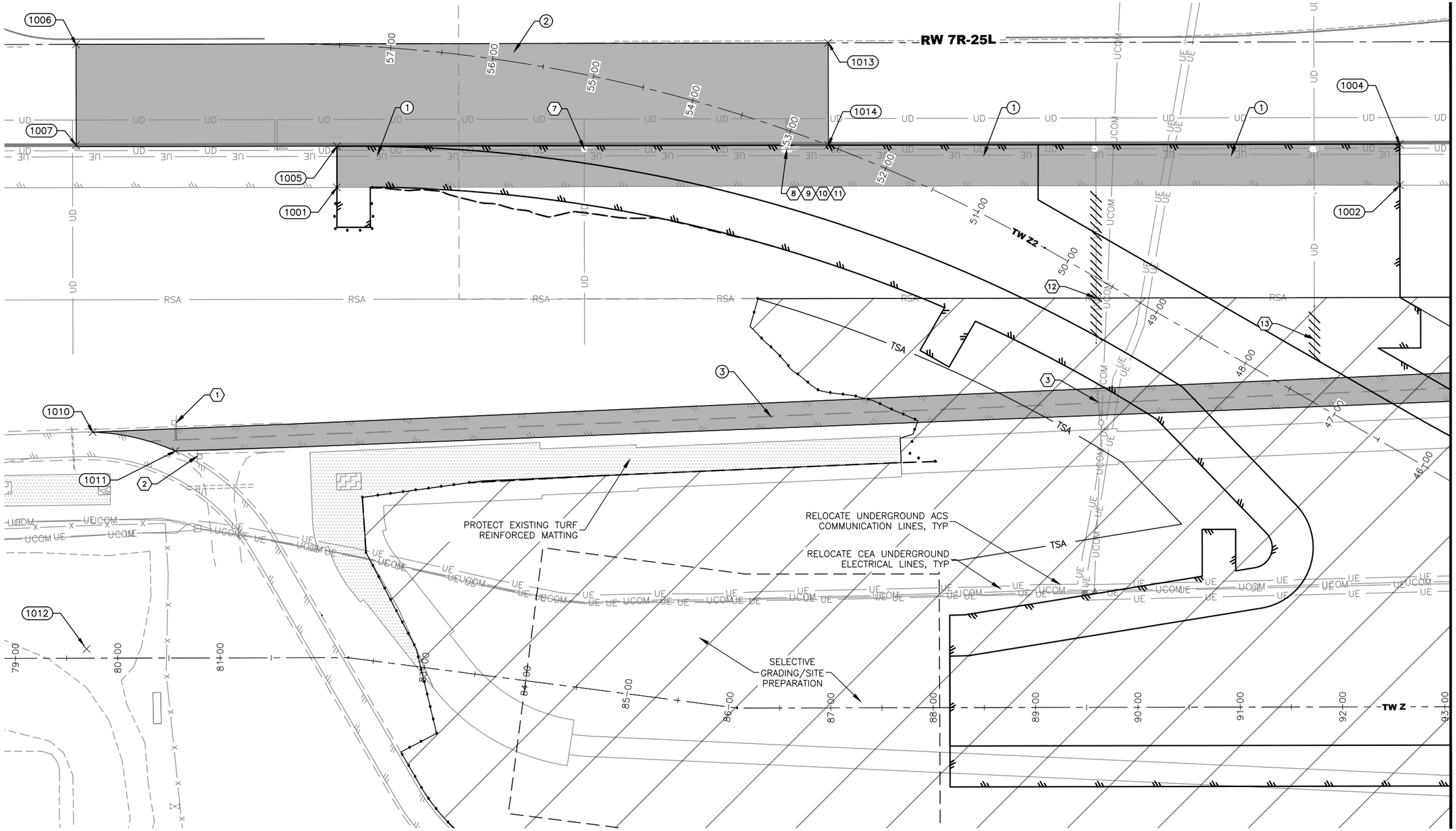
Checked By: EJG
Date Revised: 1/09/2026, 2:43 PM
Layout Name: DEMOLITION OVERVIEW
File Path and Name: U:\207301691O\Drawing\C\sheets\00929-ANC-Demo-Plan.dwg



DEMOLITION SHEET NOTES:

1. RW SHOULDER PAVEMENT REMOVAL, 4 INCHES
2. RW PAVEMENT COLD PLANING, 5 INCHES
3. LOCALIZER ACCESS ROAD PAVEMENT COLD PLANING, 3 INCHES

LEGEND:

- CLEARING AND GRUBBING
- STRUCTURES REMOVAL NUMBER
- UNDERDRAIN DEMOLITION
- RUNWAY COLD PLANE
- PAVEMENT REMOVAL

DEMOLITION GENERAL NOTES:

1. SEE SHEET 9 FOR PAVEMENT DEMO POINT TABLE.

STATE OF ALASKA 49TH
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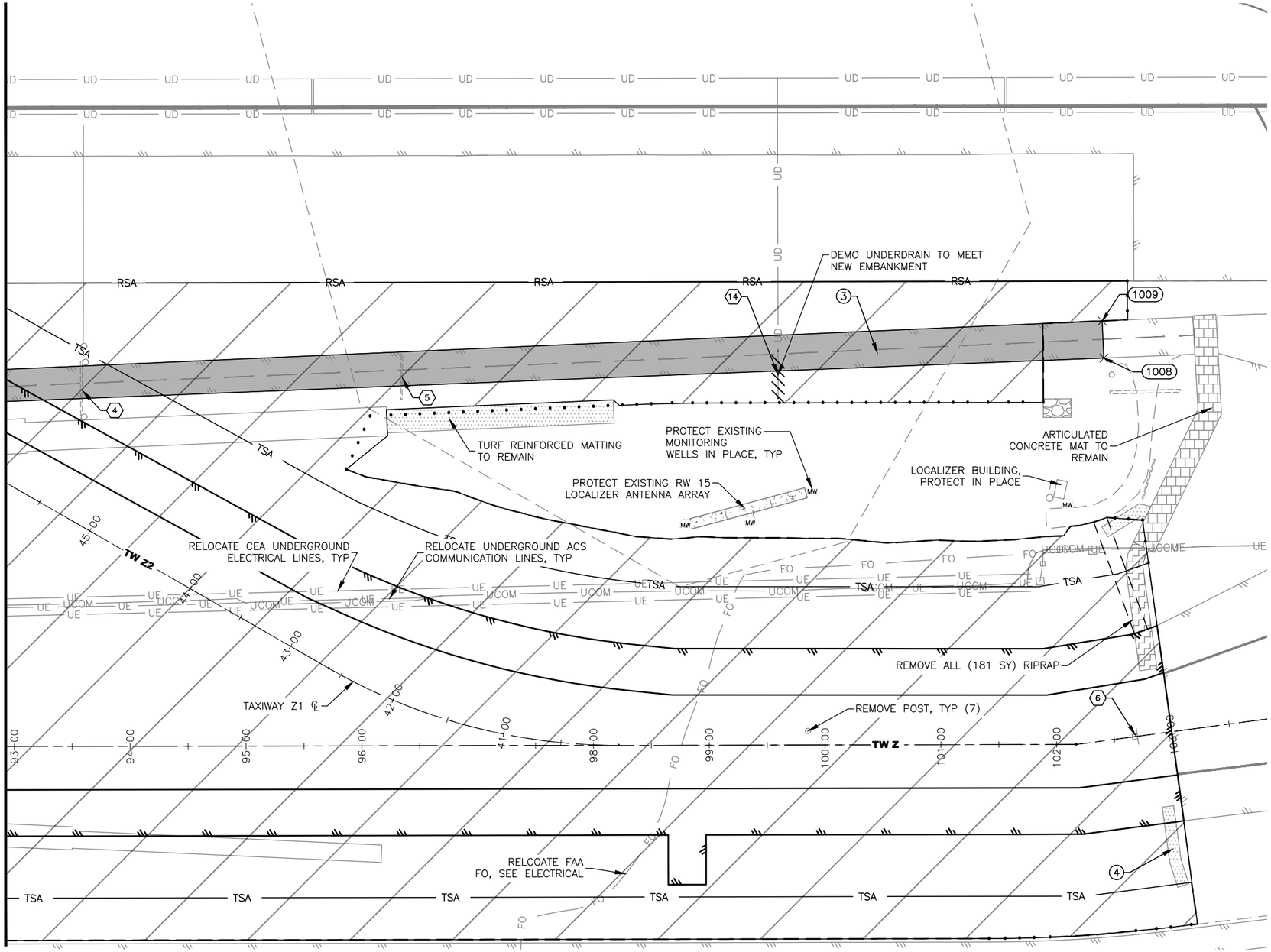
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
DEMOLITION PLAN

DATE: 01/09/2026
SHEET: 8 OF 41

Designed By:	EJG
Drawn By:	JAG
Checked By:	EJG
Date Revised:	1/09/2026, 2:43 PM
Layout Name:	DEMOLITION PLAN
File Path and Name:	U:\207501691O\drawing\c\sheets\00929-ANC-Demo-Plan.dwg



P165.010.0000 REMOVAL OF STRUCTURES				
POINT #	STATION	OFFSET (FT)	SHEET NO.	REMARKS
1	80+57.61	230.00 LT	8	REMOVE "STOP" SIGN
2	80+78.14	196.84 LT	8	REMOVE "DO NOT ENTER" SIGN
3	89+62.00	297.59 LT	8	REMOVE 12" CULVERT, 36 LF
4	93+58.00	308.03 LT	9	REMOVE 18" CULVERT, 50 LF
5	96+35.00	318.71 LT	9	REMOVE 15" CULVERT, 40 LF
6	102+70.17	0.00	9	REMOVE TAXIWAY END SIGN
7	83+90.04	522.52 LT	8	CUT AND CAP CLEANOUT BELOW GRADE
8	86.57.23	545.84 LT	8	CUT AND CAP CLEANOUT BELOW GRADE
9	86+57.23	546.00 LT	8	CUT AND CAP CLEANOUT BELOW GRADE
10	86+58.91	545.92 LT	8	CUT AND CAP CLEANOUT BELOW GRADE
11	86+59.47	545.86 LT	8	CUT AND CAP CLEANOUT BELOW GRADE
12	89+60.03	355.75 LT	8	REMOVE UNDERDRAIN, 145 LF
13	91+73.23	340.38 LT	8	REMOVE UNDERDRAIN, 49 LF
14	99+60	320.00 LT	9	REMOVE UNDERDRAIN, 41 LF

PAVEMENT COLD PLANING LIMITS			
POINT #	STATION	OFFSET	DESCRIPTION
1001	82+15.01	459.68 LT	4" PAVEMENT COLD PLANE
1002	92+56.97	509.85 LT	4" PAVEMENT COLD PLANE
1004	92+56.97	550.00 LT	4" PAVEMENT COLD PLANE
1005	82+15.09	500.00 LT	4" PAVEMENT COLD PLANE
1006	79+60.41	600.00 LT	5" PAVEMENT COLD PLANE
1007	79+60.29	501.50 LT	5" PAVEMENT COLD PLANE
1008	102+84.69	327.65 LT	3" PAVEMENT COLD PLANE
1009	102+87.53	359.61 LT	3" PAVEMENT COLD PLANE
1010	79+75.91	220.97 LT	3" PAVEMENT COLD PLANE
1011	80+56.66	202.35 LT	3" PAVEMENT COLD PLANE
1012	79+69.53	9.06 LT	RP
1013	86+98.64	650.00 LT	5" PAVEMENT COLD PLANE
1014	86+98.55	550.00 LT	5" PAVEMENT COLD PLANE

DEMOLITION SHEET NOTES:

(3) LOCALIZER ACCESS ROAD PAVEMENT COLD PLANING, 3 INCHES

(4) REMOVE DITCH LINING

LEGEND:

CLEARING AND GRUBBING

(#) STRUCTURES REMOVAL NUMBER

PAVEMENT REMOVAL

50' 25' 0 50' 100'

Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised:
Layout Name: 1/09/2026, 2:43 PM
File Path and Name: DEMOLITION PLAN_3
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STATE OF ALASKA
49 TH
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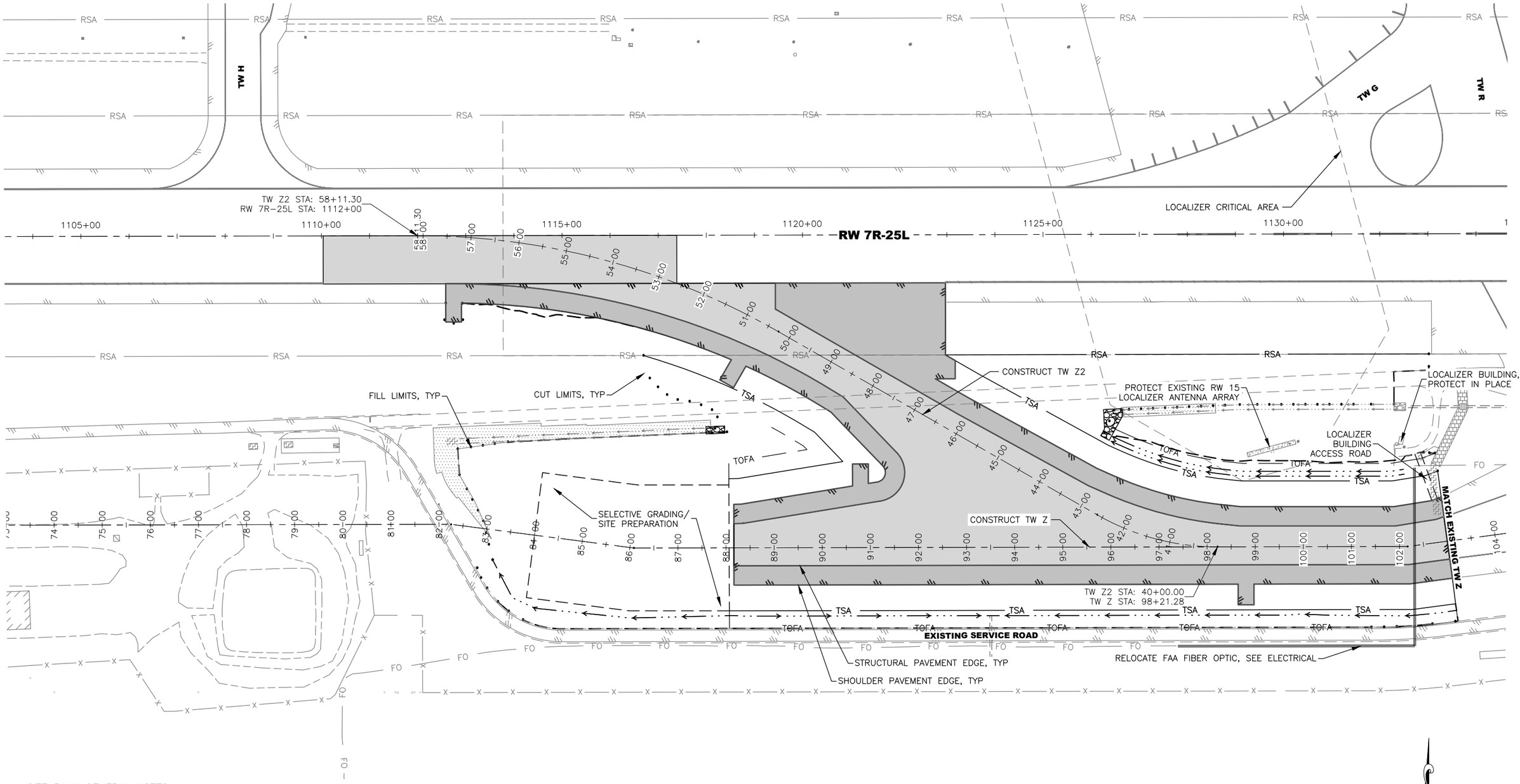
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
DEMOLITION PLAN

DATE: 01/09/2026

SHEET: 9 OF 41



SITE PLAN GENERAL NOTES:

1. UTILITIES, AND OTHER FEATURES SCHEDULED FOR DEMOLITION NOT SHOWN FOR CLARITY.
2. MAINTAIN HAUL ROUTES, ROADWAYS, AND PAVED SURFACES AND RESTORE TO THEIR ORIGINAL CONDITION PER GCP 70–11 AND GCP 50–13.
3. OBTAIN UTILITY LOCATES AND FIELD VERIFY UTILITY LOCATIONS PRIOR TO EXCAVATION. AS–BUILT THE LOCATION OF ALL NEW UNDERGROUND UTILITIES, AND THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES ENCOUNTERED.
4. ADJUST MANHOLES AND OTHER UTILITY LIDS AS SHOWN ON THE PLANS.
5. WORK WITHIN LOCALIZER CRITICAL AREA REQUIRES NAVAID OUTAGE. COORDINATE IN ADVANCE WITH THE ENGINEER. SEE CSPP SHEETS FOR CRITICAL AREA DEFINITION.

STATE OF ALASKA 49TH
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PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
SITE PLAN OVERVIEW

DATE: 01/09/2026
SHEET: 10 OF 41

Designed By:	EJG
Drawn By:	JAG
Checked By:	EJG
Date Revised:	1/09/2026, 2:43 PM
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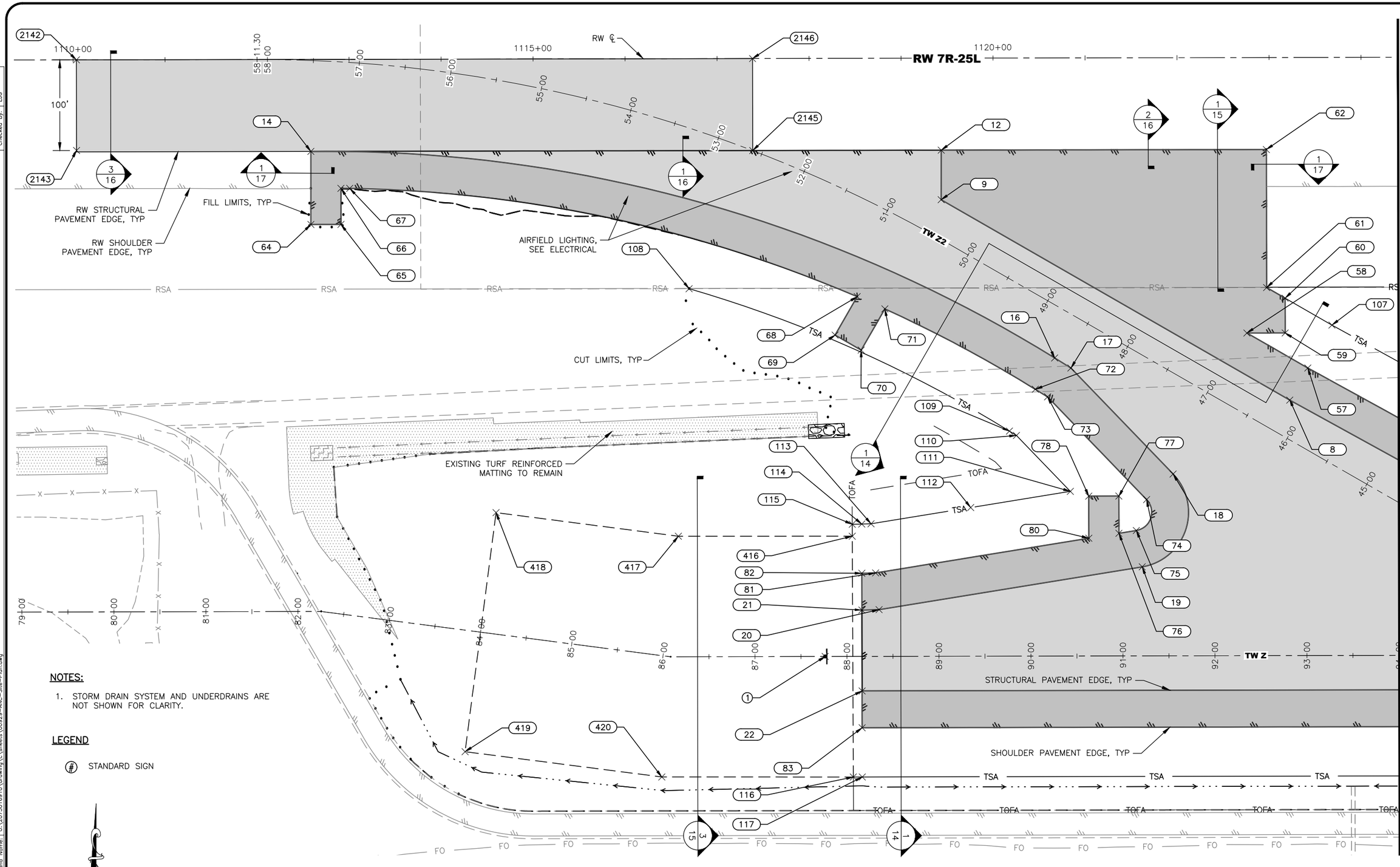

MATCH LINE STA 94+00
SEE SHEET 12

NOTES:

1. STORM DRAIN SYSTEM AND UNDERDRAINS ARE NOT SHOWN FOR CLARITY.

LEGEND

(#) STANDARD SIGN

50' 25' 0 50' 100'

Designed By:	EJG
Drawn By:	JAG
Checked By:	EJG
Date Revised:	1/09/2026, 2:43 PM
Layout Name:	SITE PLAN
File Path and Name:	U:\207301691O\drawing\c\sheets\00929-ANC-Site-Plan.dwg

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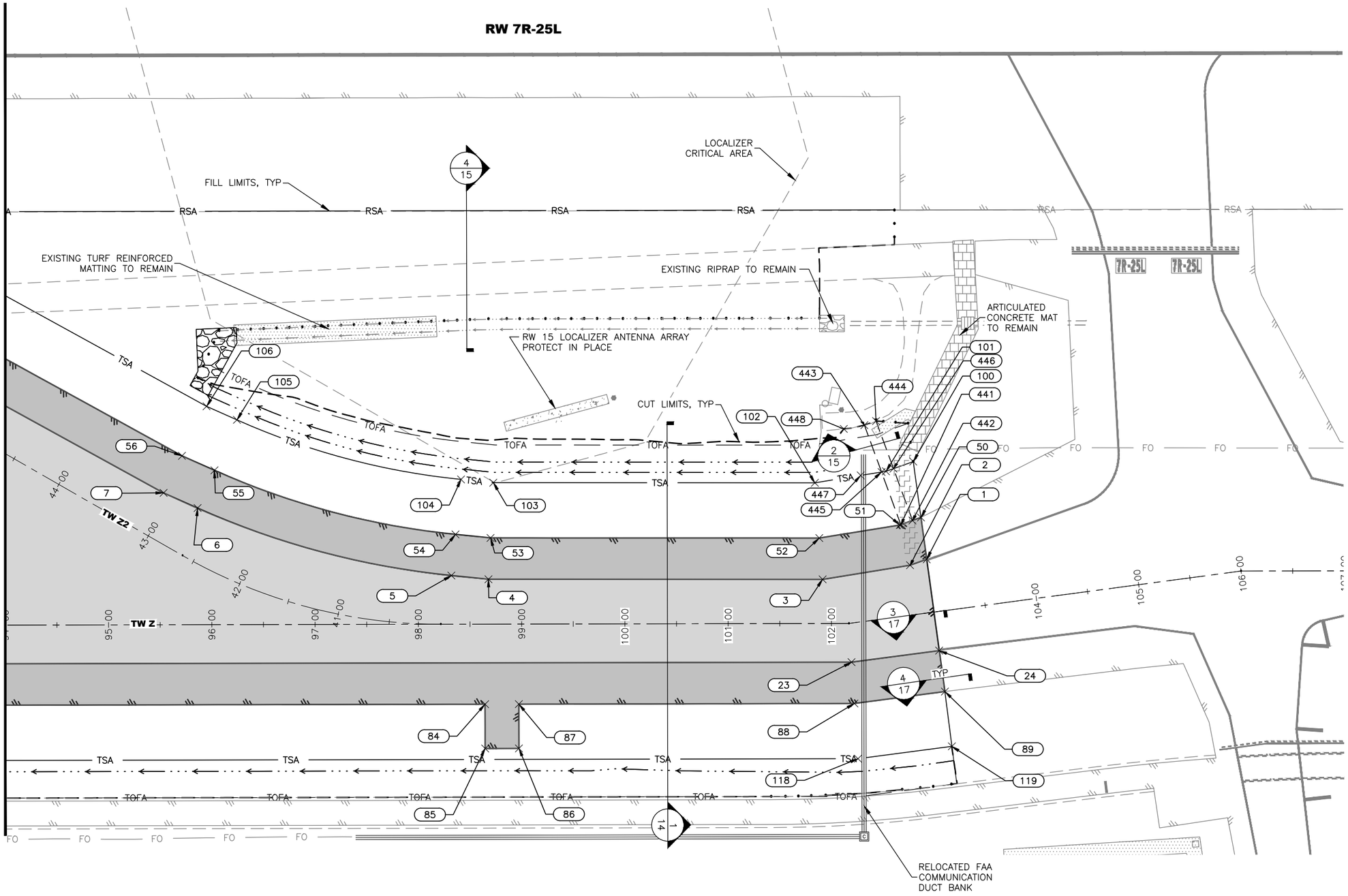
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
SITE PLAN

DATE: 01/09/2026

SHEET: 11 OF 41

NOTES:

1. STORM DRAIN SYSTEM AND UNDERDRAINS ARE NOT SHOWN FOR CLARITY.



MATCH LINE STA 94+00
SEE SHEET 11

50' 25' 0 50' 100'

Designed By:	EJG
Drawn By:	JAG
Checked By:	EJG
Date Revised:	1/09/2026, 2:43 PM
Layout Name:	Site Plan 2
File Path and Name:	U:\20730169100\drawing\c\sheets\00929-ANC-Site-Plan.dwg

STATE OF ALASKA
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ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
SITE PLAN

DATE: 01/09/2026

SHEET: 12 OF 41

POINT TABLE			
POINT #	STATION	OFFSET	DESCRIPTION
1	102+99.79	51.62 LT	TW STRUCTURAL EDGE PI
2	102+83.08	48.06 LT	TW STRUCTURAL EDGE PI
3	101+91.52	42.73 LT	TW STRUCTURAL EDGE PI
4	98+67.93	43.48 LT	TW STRUCTURAL EDGE PI
5	98+32.05	47.16 LT	TW STRUCTURAL EDGE PC
6	95+86.43	112.97 LT	TW STRUCTURAL EDGE PT
7	95+53.52	127.73 LT	TW STRUCTURAL EDGE PI
8	92+81.89	277.65 LT	TW STRUCTURAL EDGE PI
9	89+03.40	496.17 LT	TW STRUCTURAL EDGE PI
12	89+03.59	550.00 LT	TW STRUCTURAL EDGE PI
14	82+15.09	500.00 LT	TW STRUCTURAL EDGE PI
16	90+26.40	323.96 LT	TW STRUCTURAL EDGE PT
17	90+44.04	312.99 LT	TW STRUCTURAL EDGE PI
18	91+54.89	197.56 LT	TW STRUCTURAL EDGE PC
19	91+21.13	96.76 LT	TW STRUCTURAL EDGE PT
20	88+35.04	50.80 LT	TW SHOULDER EDGE PI
21	88+16.36	50.35 LT	TW STRUCTURAL EDGE PI
22	88+16.39	37.50 RT	TW STRUCTURAL EDGE PI
23	102+16.94	37.50 RT	TW STRUCTURAL EDGE PI
24	103+00.00	37.65 RT	TW STRUCTURAL EDGE PI
50	102+99.63	92.48 LT	TW SHOULDER EDGE PI
51	102+78.32	87.94 LT	TW SHOULDER EDGE PI
52	101+88.39	82.74 LT	TW SHOULDER EDGE PI
53	98+70.02	83.48 LT	TW SHOULDER EDGE PI
54	98+36.13	86.95 LT	TW SHOULDER EDGE PI
55	96+02.80	149.47 LT	TW SHOULDER EDGE PI
56	95+71.39	163.55 LT	TW SHOULDER EDGE PI
57	93+01.55	312.48 LT	TW SHOULDER EDGE PI
58	92+35.44	350.65 LT	SIGN PAD EDGE PI
59	92+77.02	350.65 LT	SIGN PAD EDGE PI
60	92+77.03	388.41 LT	SIGN PAD EDGE PI
61	92+56.95	400.00 LT	BLAST PAD EDGE
62	92+56.97	550.00 LT	BLAST PAD EDGE
* 64	1112+58.19	179.40 RT	SIGN PAD EDGE PI
* 65	1112+90.89	179.40 RT	SIGN PAD EDGE PI
* 66	1112+90.89	140.22 RT	SIGN PAD EDGE PI
* 67	1113+00.49	140.23 RT	TW SHOULDER EDGE PI
68	88+11.89	391.01 LT	SIGN PAD EDGE PI
69	87+87.80	349.28 LT	SIGN PAD EDGE PI
70	88+16.11	332.93 LT	SIGN PAD EDGE PI

POINT TABLE			
POINT #	STATION	OFFSET	DESCRIPTION
71	88+41.94	377.67 LT	SIGN PAD EDGE PI
72	90+05.34	289.97 LT	TW SHOULDER EDGE PI
73	90+18.62	281.71 LT	TW SHOULDER EDGE PI
74	91+26.04	169.85 LT	TW SHOULDER EDGE PC
75	91+14.79	136.25 LT	TW SHOULDER EDGE PT
76	90+95.87	133.21 LT	SIGN PAD EDGE PI
77	90+95.87	173.74 LT	SIGN PAD EDGE PI
78	90+63.17	173.74 LT	SIGN PAD EDGE PI
80	90+63.17	127.96 LT	SIGN PAD EDGE PI
81	88+31.37	90.72 LT	TW SHOULDER EDGE PI
82	88+16.36	90.36 LT	TW SHOULDER EDGE PI
83	88+16.36	77.50 RT	TW SHOULDER EDGE PI
84	98+64.44	77.50 RT	SIGN PAD EDGE
85	98+64.44	120.40 RT	SIGN PAD EDGE
86	98+97.14	120.40 RT	SIGN PAD EDGE
87	98+97.14	77.50 RT	SIGN PAD EDGE
88	102+16.94	77.50 RT	TW SHOULDER EDGE PI
89	103+00.29	77.65 RT	TW SHOULDER EDGE PI
100	102+99.42	147.13 LT	TSA EDGE PI
101	102+71.97	141.29 LT	TSA EDGE PI
102	101+84.20	136.25 LT	TSA EDGE PI
103	98+72.82	136.97 LT	TSA EDGE PI
104	98+41.59	140.17 LT	TSA EDGE PC
105	96+24.68	198.29 LT	TSA EDGE PT
106	95+95.30	211.46 LT	TSA EDGE PI
107	93+27.86	359.07 LT	TSA EDGE PI
108	85+76.83	399.29 LT	TSA EDGE PI
109	89+77.09	244.53 LT	TSA EDGE PI
110	89+84.68	239.82 LT	TSA EDGE PI
111	90+43.15	178.93 LT	TSA EDGE PI
112	89+34.81	161.53 LT	TSA EDGE PI
113	88+26.47	144.12 LT	TSA EDGE PI
114	88+16.35	143.88 LT	TSA EDGE PI
115	88+06.01	143.63 LT	TSA EDGE PI
116	88+06.66	131.02 RT	TSA EDGE PI
117	88+16.38	131.03 RT	TSA EDGE PI
118	102+16.94	131.00 RT	TSA EDGE PI
119	102+99.97	131.15 RT	TSA EDGE PI
416	88+06.00	130.66 LT	TOP OF GRAVEL
417	86+16.99	131.00 LT	TOP OF GRAVEL

POINT TABLE			
POINT #	STATION	OFFSET	DESCRIPTION
418	84+00.00	131.00 LT	TOP OF GRAVEL
419	84+00.00	131.00 RT	TOP OF GRAVEL
420	86+08.40	130.60 RT	TOP OF GRAVEL
441	102+79.39	88.17 LT	FAA ROAD EDGE
442	102+91.12	90.67 LT	FAA ROAD EDGE
443	102+57.17	188.37 LT	FAA ROAD EDGE
444	102+68.92	190.80 LT	FAA ROAD EDGE
445	102+67.63	141.16 LT	FAA ROAD EDGE
446	102+79.54	142.89 LT	FAA ROAD EDGE
447	102+47.27	140.60 LT	FAA MANHOLE PAD
448	102+36.90	187.39 LT	FAA MANHOLE PAD
2142	79+60.41	600.00 LT	MILLING AND PAVING PI
2143	79+60.39	501.50 LT	MILLING AND PAVING PI
2145	86+98.64	550.00 LT	MILLING AND PAVING PI
2146	86+98.64	649.94 LT	MILLING AND PAVING PI

P661.010.0000 STANDARD SIGN SUMMARY								
SIGN #	STATION	OFFSET	SIZE H X W (INCHES)	AREA (SF)	SIGN FACE DIRECTION	POST SIZE TYPE	SHEET NO.	REMARKS
1	87+76.33	0.00	48 X 30	10	E	2 X 2.5" PST	11	TAXIWAY ENDING MARKER
			TOTAL:	10				

NOTES

1. ALL STATIONS SHOWN ARE BASED ON TW Z ALIGNMENT EXCEPT FOR STATIONS MARKED WITH * WHICH ARE BASED ON THE RW 7R–25L ALIGNMENT.

STATE OF ALASKA
49TH
Evan J Griffith III
CE-10003
REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
3900 C ST SUITE 902
ANCHORAGE, AK 99503-5963
(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

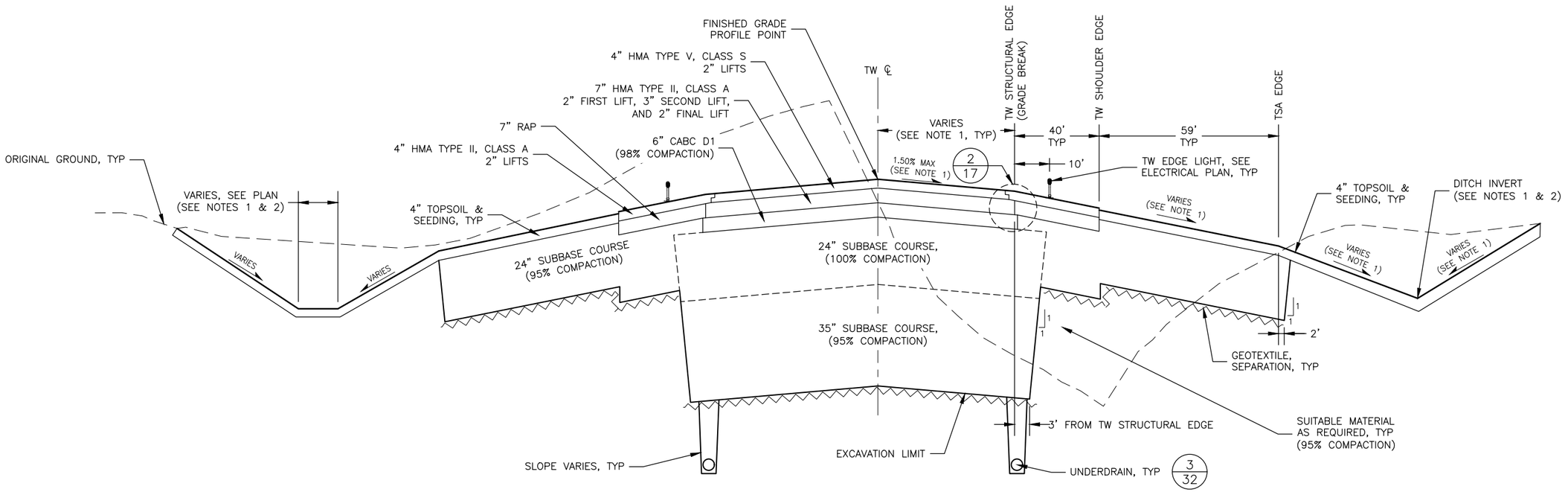
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
SITE PLAN - TABLES

DATE: 01/09/2026
SHEET: 13 OF 41

Designed By: EJG
Drawn By: JAG
Checked By: EJG
Date Revised: 1/09/2026, 2:43 PM
Layout Name: SITE PLAN - TABLES
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Site-Plan.dwg



1/14 TAXIWAY Z AND TAXIWAY Z2

SCALE: NTS

NOTES:

1. GRADE AND DIMENSIONS VARY, SEE GRADING PLANS. WHEN IN FILL CONDITION OFF THE TSA EDGE, FILL SLOPE IS 4H:1V.
2. SIGN PADS OUTSIDE SHOULDER PAVEMENT – USE TW SHOULDER PAVEMENT SECTION SHOWN IN 1/14 ABOVE.
3. APPLY STE–1 TACK COAT BETWEEN ALL LIFTS OF HMA. APPLY JOINT ADHESIVE ON ALL TOP LIFT COLD JOINTS, AND SEAL WITH JOINT SEALANT.
4. REGRADE AND SEED ALL DISTURBED AREAS.

STATE OF ALASKA 49TH
Evan J Griffith III
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BY	DATE	REVISION

STATE OF ALASKA
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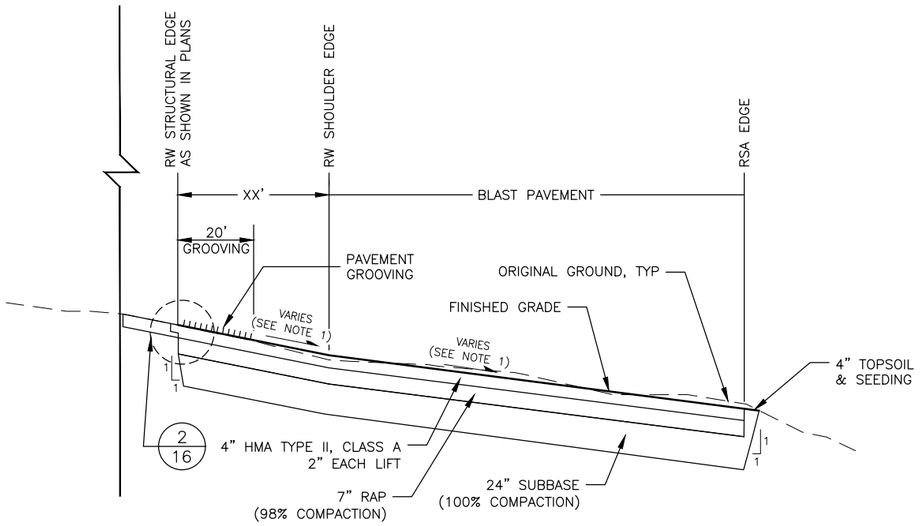
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
TYPICAL SECTIONS

DATE: 01/09/2026
SHEET: 14 OF 41

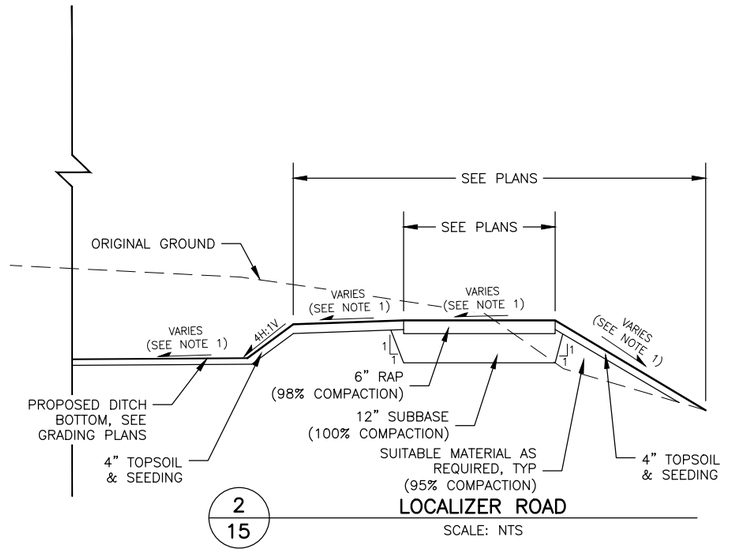
Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised: 1/09/2026, 2:43 PM
Layout Name: TYPICAL SECTIONS
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Typical Sections.dwg



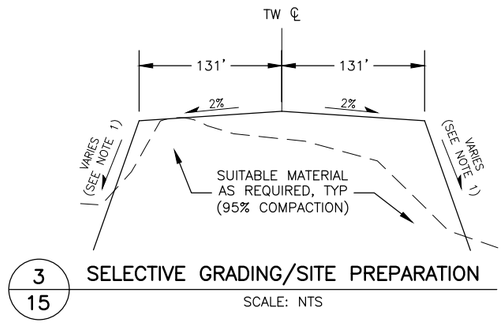
1/15 RW SHOULDER & RSA HMA

SCALE: NTS



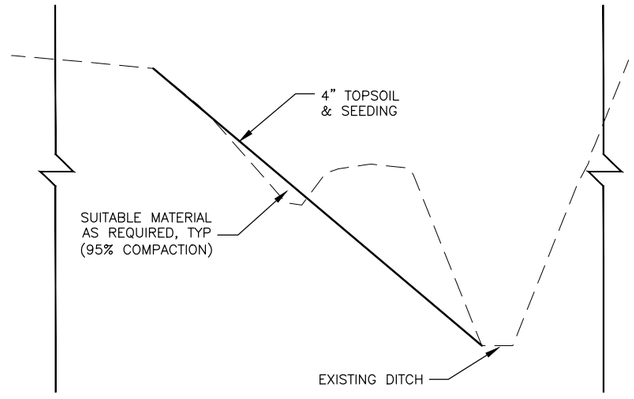
2/15 LOCALIZER ROAD

SCALE: NTS



3/15 SELECTIVE GRADING/SITE PREPARATION

SCALE: NTS



4/15 RSA SIDE SLOPE REGRADE

SCALE: NTS

GENERAL NOTES:

1. GRADE AND DIMENSIONS VARY, SEE GRADING PLANS.
2. APPLY STE–1 TACK COAT BETWEEN ALL LIFTS OF HMA. APPLY JOINT ADHESIVE ON ALL TOP LIFT COLD JOINTS, AND SEAL WITH JOINT SEALANT.
3. REGRADE AND SEED ALL DISTURBED AREAS.

Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised: 1/09/2026, 2:43 PM
Layout Name: TYPICAL SECTIONS_2
File Path and Name: U:\20730116910\drawing\c\sheets\00929-ANC-Typical Sections.dwg

STATE OF ALASKA 49TH
Evan J Griffith III
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3900 C ST SUITE 902
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(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

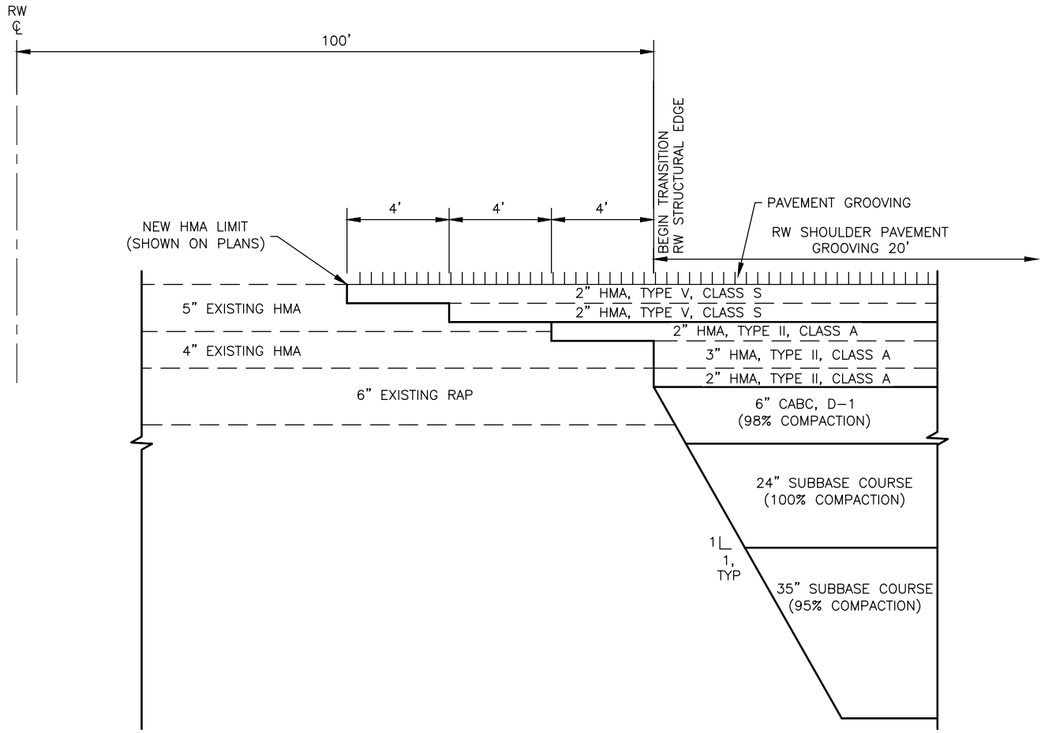
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
TYPICAL SECTIONS

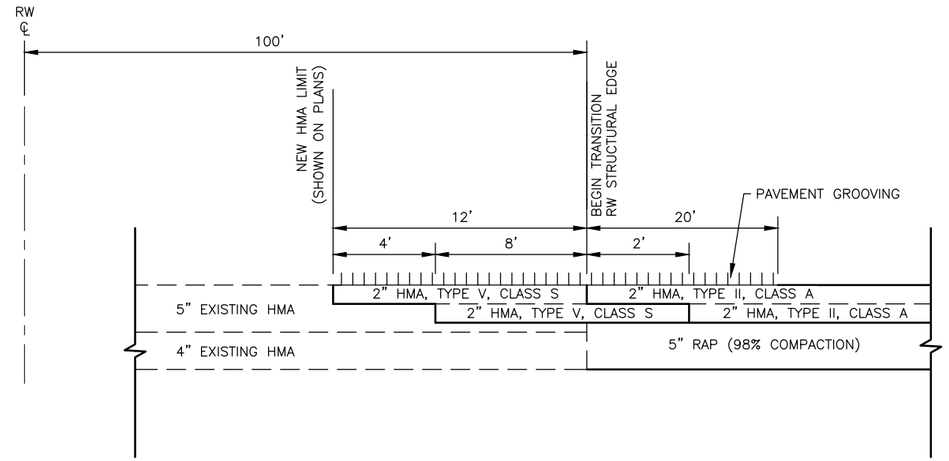
DATE: 01/09/2026

SHEET: 15 OF 41



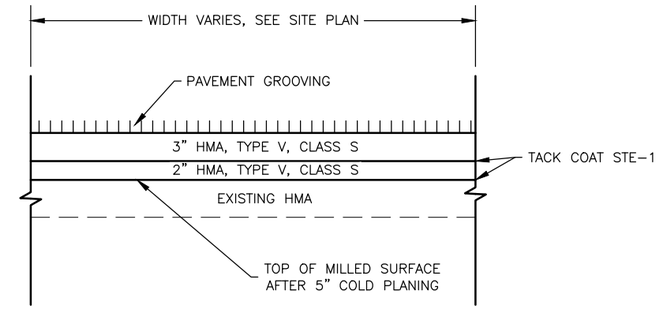
1/16 RW/TW Z2 TRANSITION

SCALE: NTS



2/16 RW SHOULDER TRANSITION

SCALE: NTS



3/16 RW HMA OVERLAY

SCALE: NTS

GENERAL NOTES:

1. ALL PAVEMENT CUTS SHALL BE MADE WITH SAW OR ALTERNATIVE METHOD APPROVED BY THE ENGINEER.
2. APPLY TACK COAT STE-1 BETWEEN ALL LIFTS OF HMA. APPLY JOINT ADHESIVE ON ALL TOP LIFT COLD JOINTS, AND SEAL WITH JOINT SEALANT.
3. SEE SHEET 25 FOR PAVEMENT GROOVING.

STATE OF ALASKA 49TH
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(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

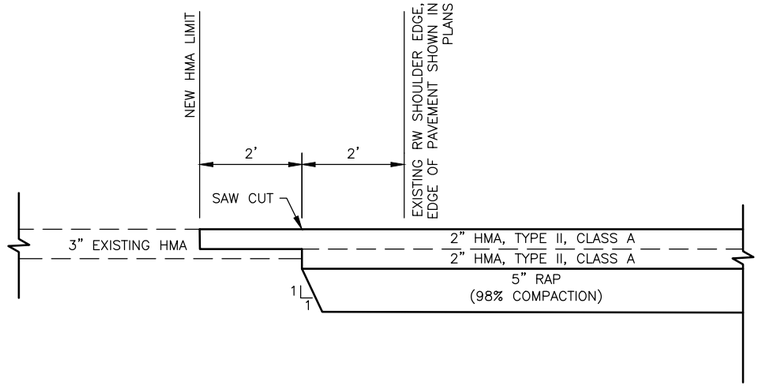
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
PAVING DETAILS

DATE: 01/09/2026
SHEET: 16 OF 41

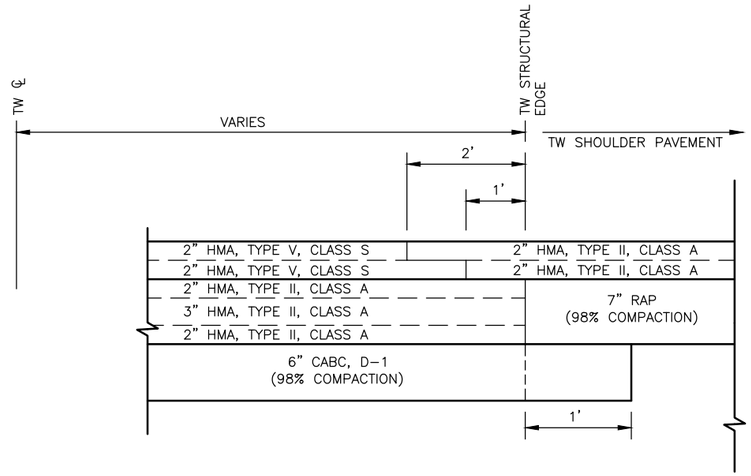
Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised: 1/09/2026, 2:43 PM
Layout Name: PAVING DETAILS
File Path and Name: U:\20730169\10\drawing\c\sheets\00929-ANC-Typical Sections.dwg



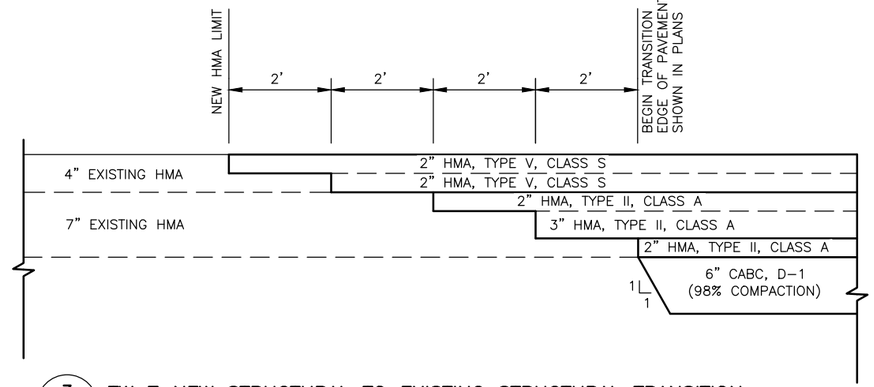
1/17 RW SHOULDER TO RSA PAVEMENT TRANSITION

SCALE: NTS



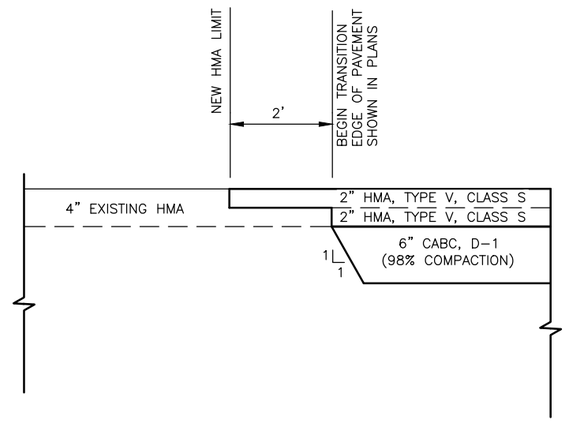
2/17 TAXIWAY Z AND Z2 STRUCTURAL SECTION TO SHOULDER SECTION TRANSITION

SCALE: NTS



3/17 TW Z NEW STRUCTURAL TO EXISTING STRUCTURAL TRANSITION

SCALE: NTS



4/17 TW Z NEW SHOULDER TO EXISTING SHOULDER TRANSITION

SCALE: NTS

GENERAL NOTES:

1. ALL PAVEMENT CUTS SHALL BE MADE WITH SAW. ALTERNATIVE METHODS MUST BE APPROVED BY THE ENGINEER.
2. APPLY STE-1 TACK COAT BETWEEN ALL LIFTS OF HMA. APPLY JOINT ADHESIVE ON ALL TOP LIFT COLD JOINTS, AND SEAL WITH JOINT SEALANT.

STATE OF ALASKA 49TH Evan J Griffith III CE-10003 REGISTERED PROFESSIONAL ENGINEER

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3900 C ST SUITE 902
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(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

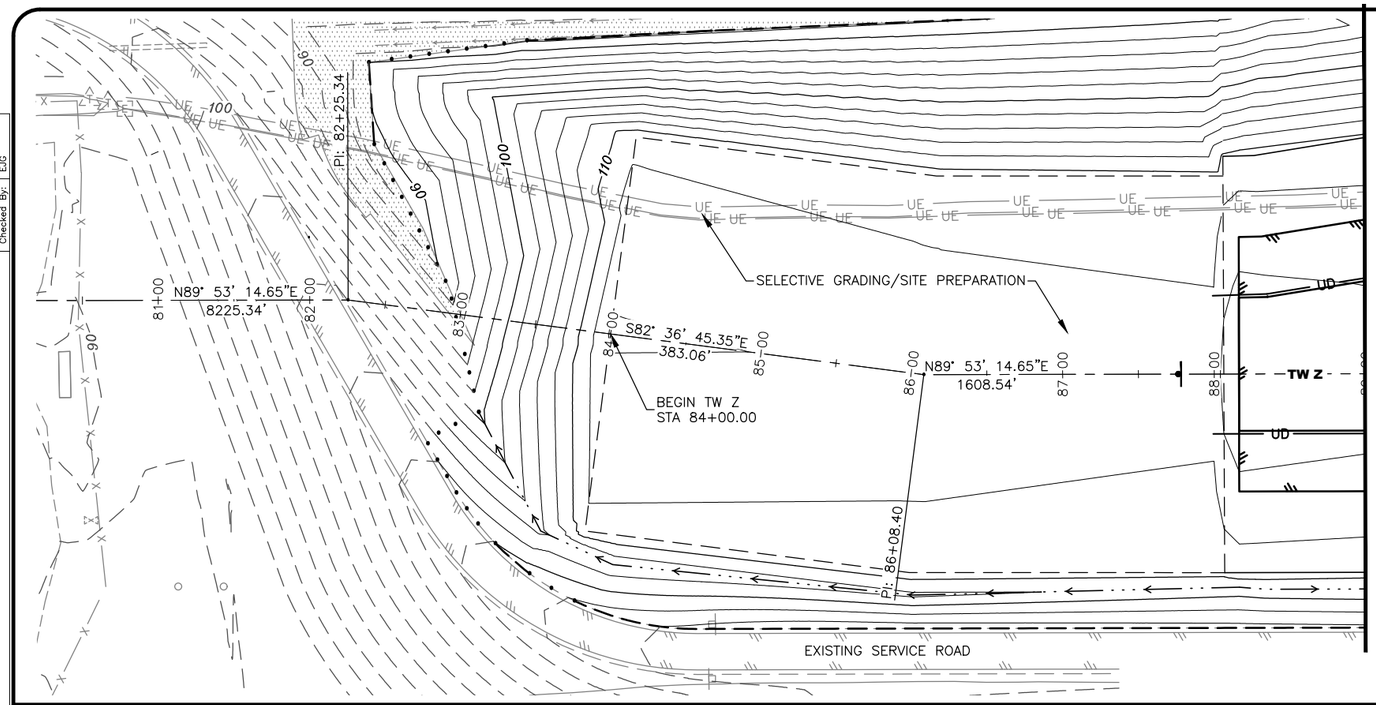
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
PAVING DETAILS

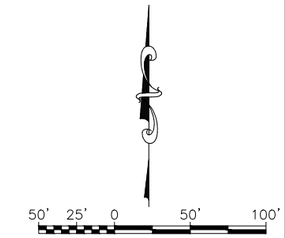
DATE: 01/09/2026

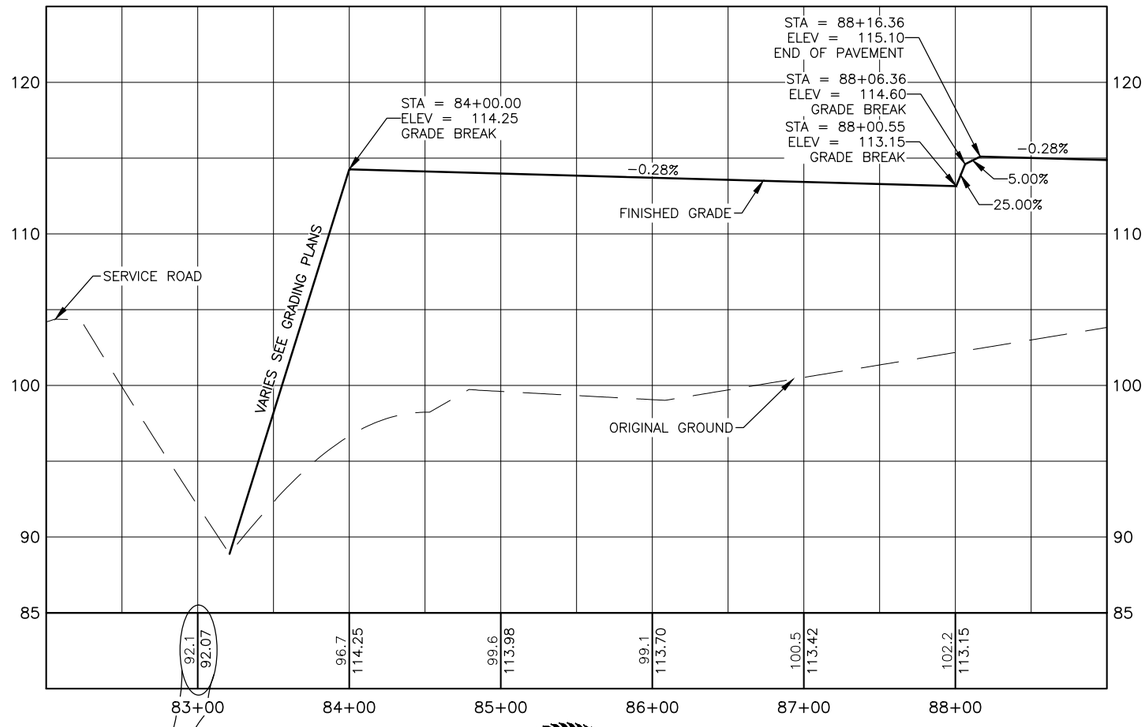
Designed By: EJG
Drawn By: JAG
Checked By: EJG

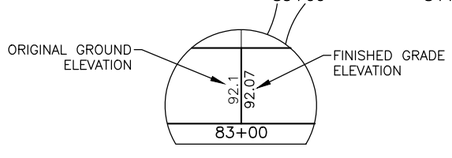
Date Revised: 1/09/2026, 2:43 PM
Layout Name: PAVING DETAILS 2
File Path and Name: U:\2073016910\drawing\c\sheets\00929-ANC-Typical Sections.dwg



MATCH LINE STA 89+00
SEE SHEET 19







STATE OF ALASKA
49 TH
Evan J Griffith III
CE-10003
REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
3900 C ST SUITE 902
ANCHORAGE, AK 99503-5963
(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

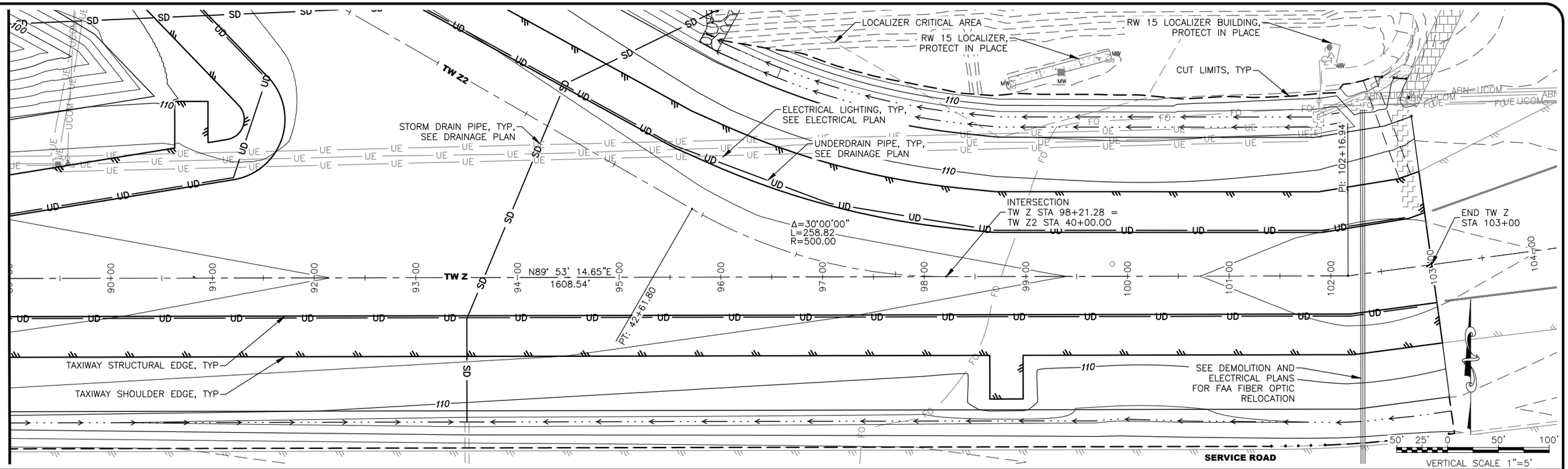
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

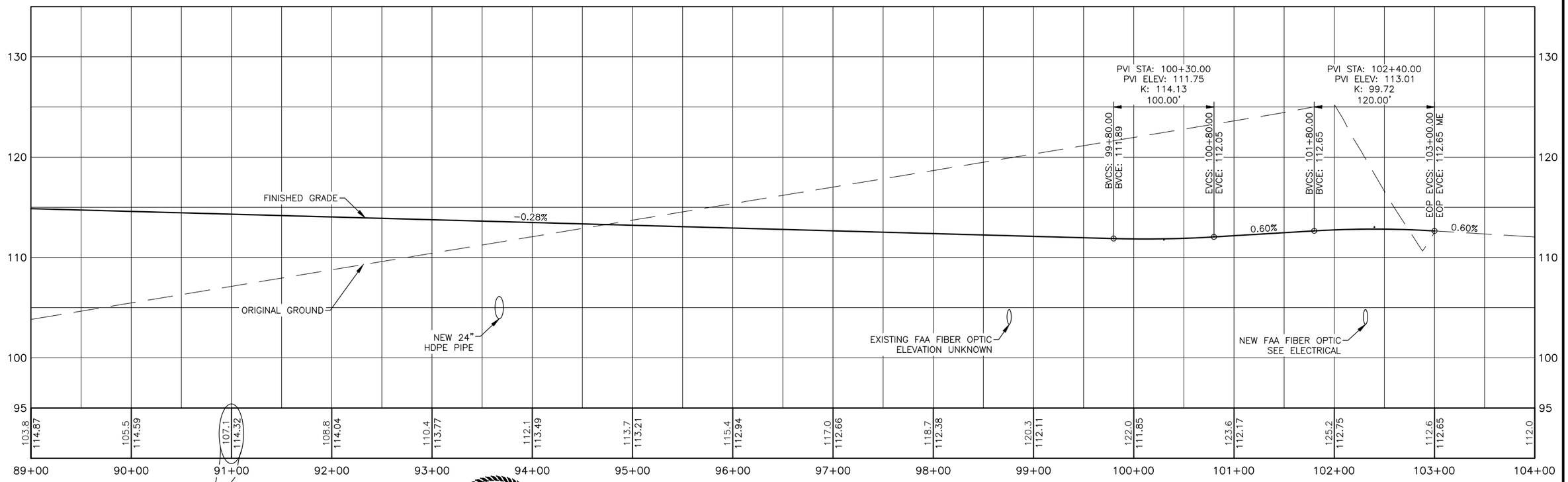
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
TW Z PLAN & PROFILE STA
82+00.00 - 89+00

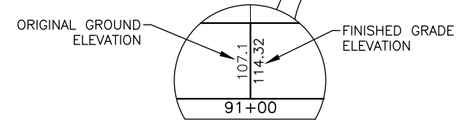
DATE: 01/09/2026
SHEET: 18 OF 41

Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised: 1/09/2026, 2:43 PM
Layout Name: TW Z PLAN & PROFILE STA 82+00.00 - 89+00
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Plan&Profile.dwg







Designed By:	EJG
Drawn By:	JAG
Checked By:	EJG
Date Revised:	1/09/2026, 2:43 PM
Layout Name:	TW Z PLAN & PROFILE STA 89+00.00 - 103+08.00
File Path and Name:	U:\207301691O\drawing\c\sheets\C0929-ANC-Plan&Profile.dwg

STATE OF ALASKA 49TH Evan J Griffith III CE-10003 REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
3900 C ST SUITE 902
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4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

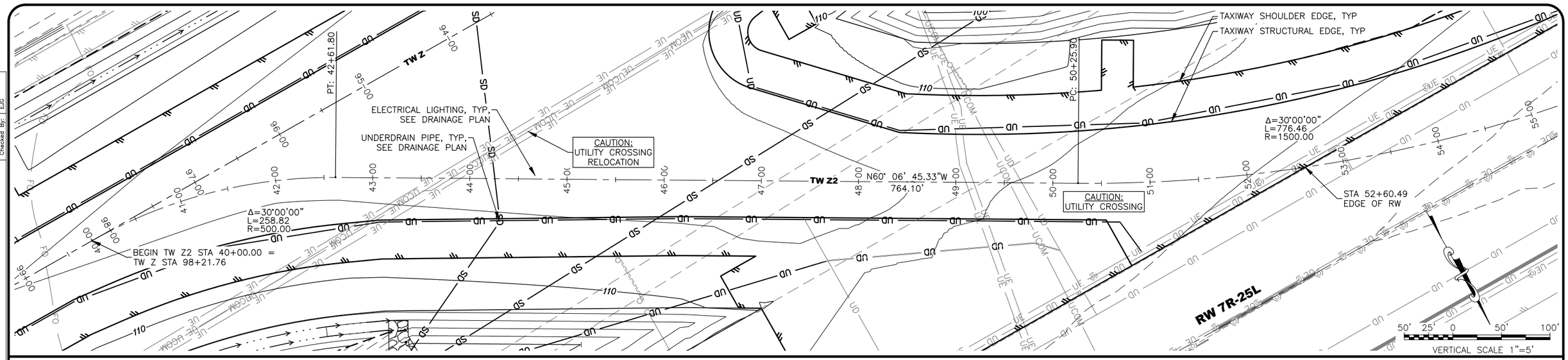
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
TW Z PLAN & PROFILE STA
89+00.00 - 103+08.00

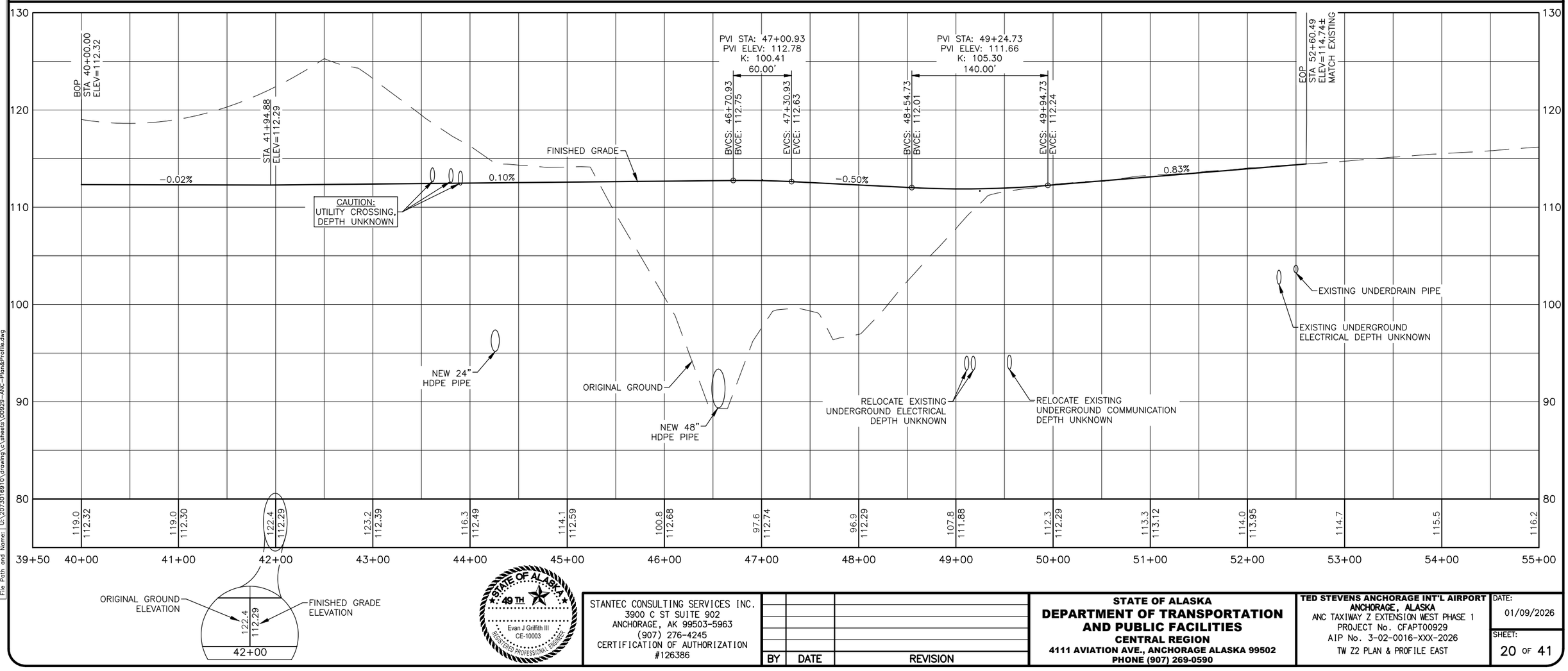
DATE: 01/09/2026

SHEET: 19 OF 41

Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised: 1/09/2026, 2:43 PM
Layout Name: TW Z2 PLAN & PROFILE EAST
File Path and Name: U:\207301691O\drawing\C\sheets\00929-ANC-Plan&Profile.dwg





STATE OF ALASKA 49TH
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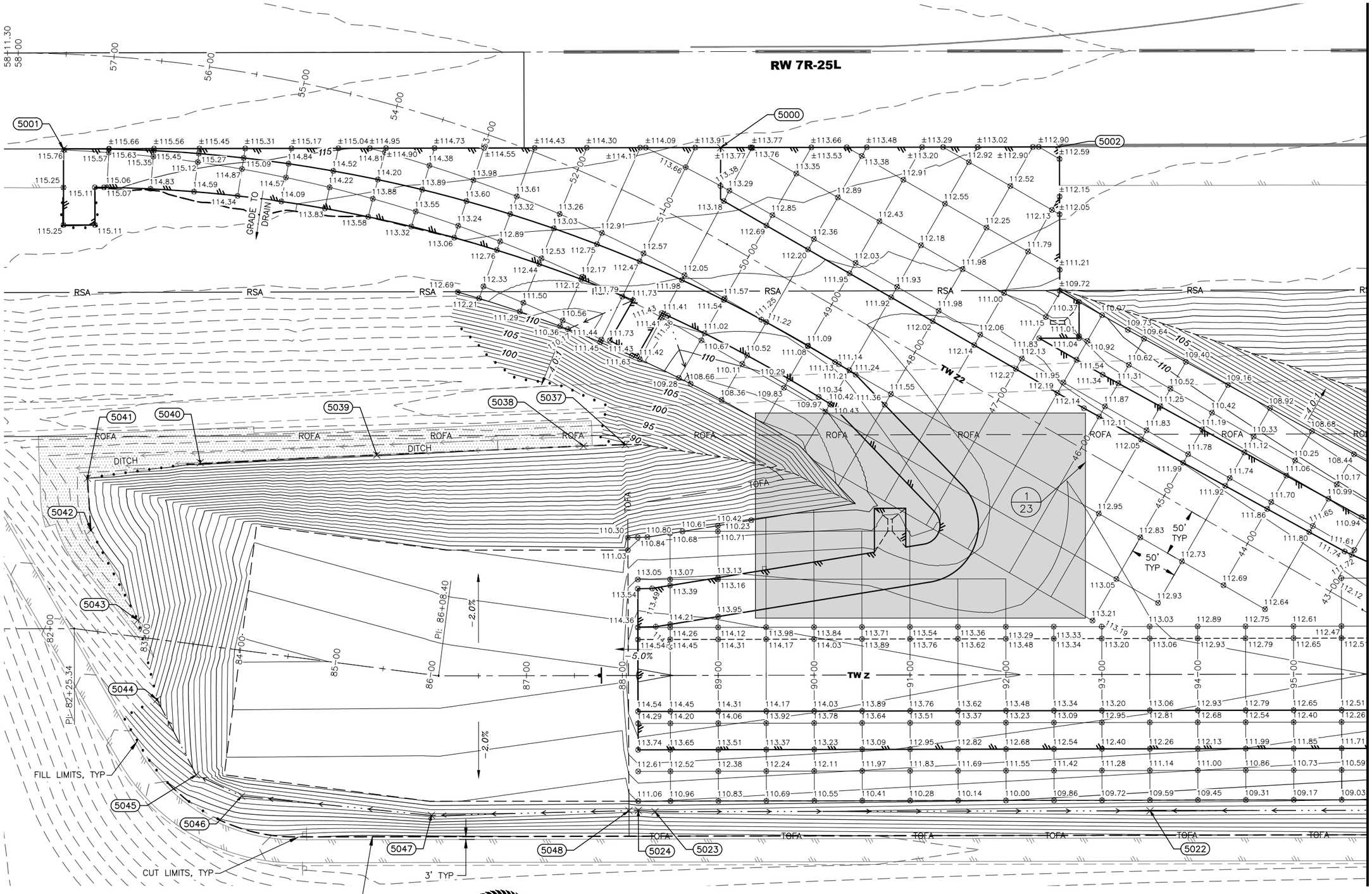
3900 C ST SUITE 902
ANCHORAGE, AK 99503-5963
(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
TW Z2 PLAN & PROFILE EAST

DATE: 01/09/2026
SHEET: 20 OF 41



NOTES:

1. UTILITIES, UNDERDRAINS, CLEANOUTS, STORM DRAINS, AND EROSION PROTECTION NOT SHOWN FOR CLARITY
2. ALL STATIONS ARE BASED ON TW Z ALIGNMENT
3. THE BASIS OF THE GRADING GRID IS 50' OFFSET INCREMENTS OF TAXIWAYS Z AND Z2 CENTERLINE AND TAXIWAY STATIONING AT 50' INCREMENTS. ADDITIONAL SPOT ELEVATIONS ARE SHOWN AT CRITICAL LOCATIONS WHERE CHANGES IN GRADE AND/OR CHANGES IN THE PAVEMENT SECTION OCCUR.

Designed By:	EJG
Drawn By:	JAG
Checked By:	EJG
Date Revised:	1/09/2026, 2:44 PM
Layout Name:	GRADING PLAN
File Path and Name:	U:\207301691O\drawing\c\sheets\00929-ANC-Grading-Plan.dwg

STATE OF ALASKA 49TH
Evan J Griffith III
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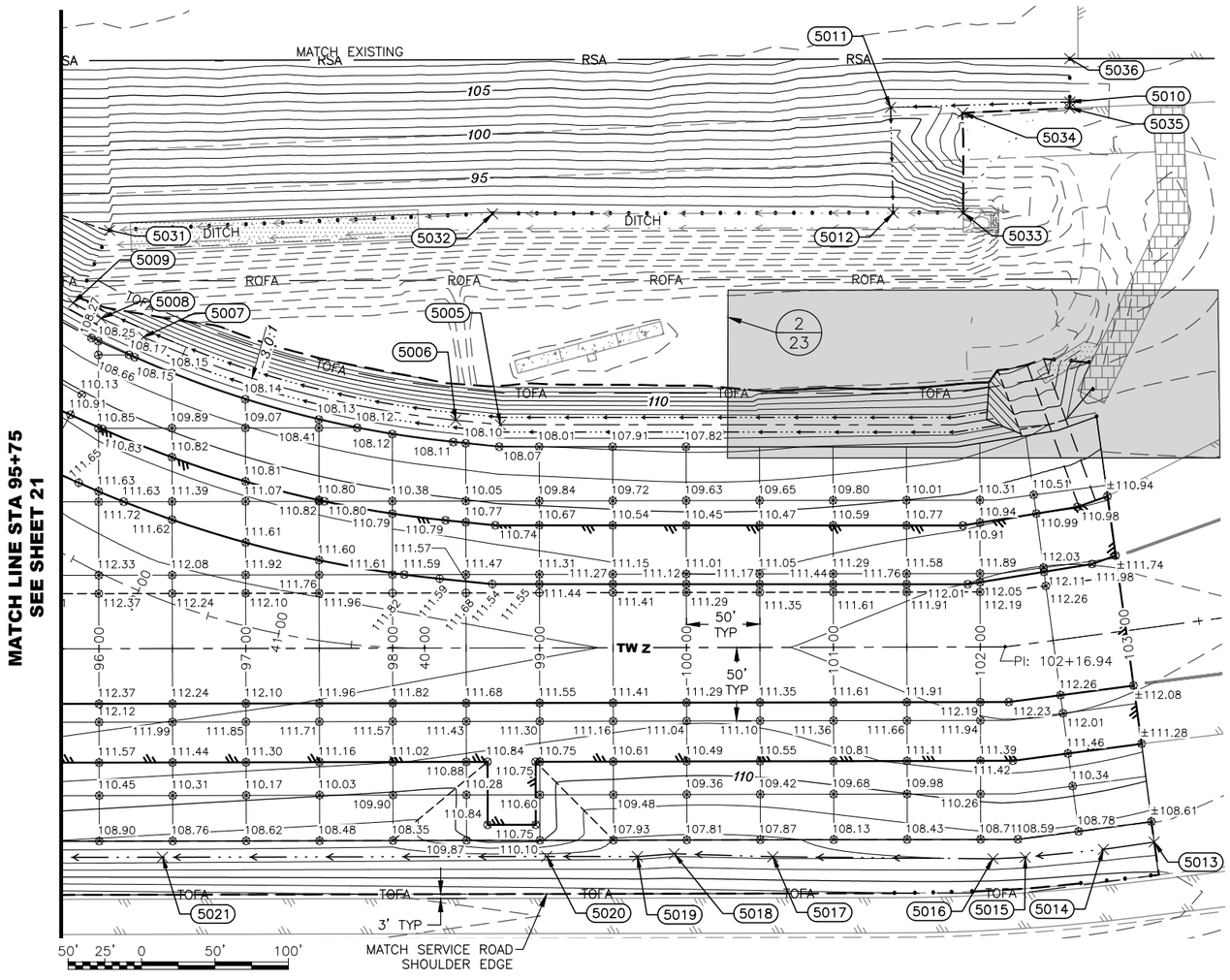
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
GRADING PLAN

DATE: 01/09/2026

SHEET: 21 OF 41

NOTES:

1. UTILITIES, UNDERDRAINS, CLEANOUTS, STORM DRAINS, AND EROSION PROTECTION NOT SHOWN FOR CLARITY
2. ALL STATIONS ARE BASED ON TW Z ALIGNMENT
3. THE BASIS OF THE GRADING GRID IS 50' OFFSET INCREMENTS OF TAXIWAY Z CENTERLINE AND TAXIWAY STATIONING AT 50' INCREMENTS. ADDITIONAL SPOT ELEVATIONS ARE SHOWN AT CRITICAL LOCATIONS WHERE CHANGES IN GRADE AND/OR CHANGES IN THE PAVEMENT SECTION OCCUR.



Designed By:	EJG
Drawn By:	JAG
Checked By:	EJG
Date Revised:	1/09/2026, 2:44 PM
Layout Name:	Grading Plan (3)
File Path and Name:	U:\207301691O\drawing\c\sheets\00929-ANC-Grading-Plan.dwg

STATE OF ALASKA 49TH
Evan J Griffith III
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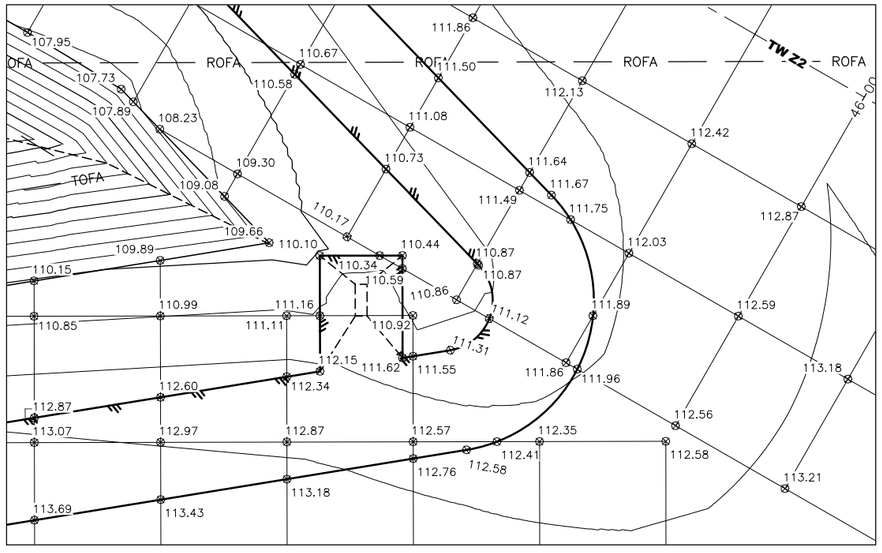
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
GRADING PLAN

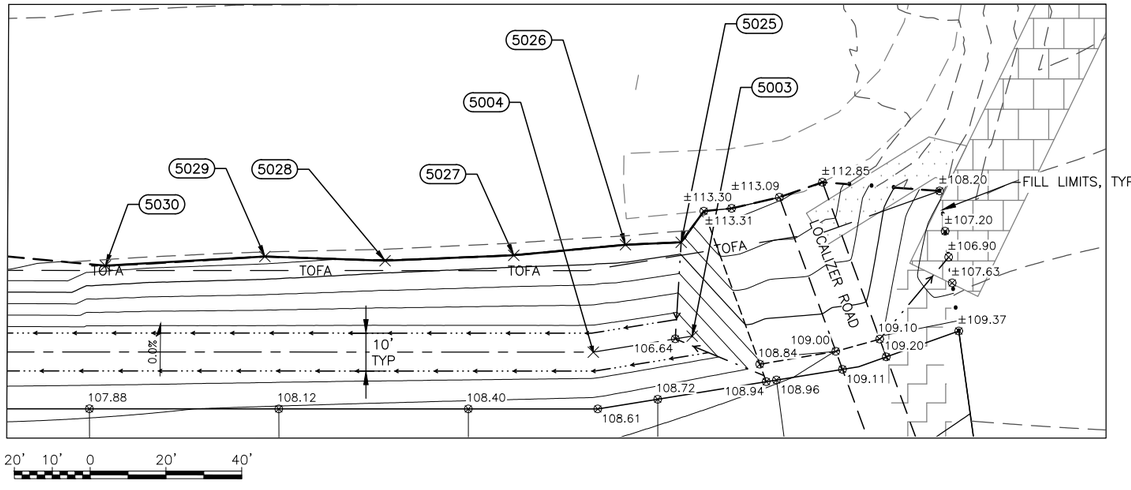
DATE: 01/09/2026



1
23

TAXIWAY Z2 AND TAXIWAY Z INTERSECTION INSET

SCALE: NTS



2
23

TW Z – LOCALIZER ROAD AND DITCH INSET

SCALE: NTS

Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised: 1/09/2026, 2:44 PM
Layout Name: GRADING PLANS ZOOMS
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Grading-Plan.dwg

STATE OF ALASKA
49 TH
Evan J Griffith III
CE-10003
REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
3900 C ST SUITE 902
ANCHORAGE, AK 99503-5963
(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
GRADING PLANS ZOOMS

DATE: 01/09/2026

SHEET: 23 OF 41

GRADING TABLE				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
5000	89+03.59	550.00 LT	±113.82	TW STRUCTURAL EDGE PI
5001	82+15.09	500.00 LT	±115.78	TW STRUCTURAL EDGE PI
5002	92+56.97	549.91 LT	±112.87	BLAST PAD EDGE
5003	102+29.50	155.11 LT	106.65	10' DITCH START
5004	101+83.02	151.25 LT	106.62	10' DITCH PI
5005	98+73.61	151.97 LT	106.26	10' DITCH PI
5006	98+43.12	155.10 LT	106.22	10' DITCH PC
5007	96+30.82	211.98 LT	105.97	10' DITCH PT
5008	96+02.01	224.90 LT	105.93	10' DITCH PI
5009	95+82.95	235.44 LT	105.00	10' DITCH END
5010	103+09.74	361.79 LT	±101.64	SWALE
5011	101+39.69	367.42 LT	101.00	SWALE
5012	101+41.30	295.50 LT	±91.47	SWALE
5013	102+99.95	145.07 RT	108.20	V DITCH INVERT
5014	102+64.97	145.48 RT	108.15	V DITCH INVERT
5015	102+16.94	143.79 RT	108.08	V DITCH INVERT
5016	102+08.42	144.17 RT	108.05	V DITCH INVERT
5017	100+58.49	142.53 RT	107.84	V DITCH INVERT
5018	99+91.34	140.30 RT	107.74	V DITCH INVERT
5019	99+66.34	142.21 RT	107.71	V DITCH INVERT
5020	99+04.58	141.99 RT	107.62	V DITCH INVERT
5021	96+42.94	142.00 RT	107.25	V DITCH INVERT
5022	93+50.00	142.00 RT	106.84	V DITCH INVERT
5023	88+33.73	142.01 RT	108.59	V DITCH INVERT
5024	88+16.39	140.64 RT	108.65	V DITCH INVERT
5025	102+29.88	180.04 LT	±110.61	DITCH EDGE
5026	101+91.56	179.57 LT	±110.91	DITCH EDGE
5027	101+62.08	176.85 LT	±110.61	DITCH EDGE
5028	101+28.11	175.49 LT	±110.70	DITCH EDGE
5029	100+96.38	176.65 LT	±111.48	DITCH EDGE
5030	100+54.29	174.33 LT	±111.40	DITCH EDGE
5031	96+07.76	284.77 LT	±91.06	RSA REGRADE
5032	98+68.50	295.50 LT	±90.83	RSA REGRADE
5033	101+89.01	295.50 LT	±91.58	RSA REGRADE
5034	101+88.73	363.59 LT	±101.25	RSA REGRADE
5035	103+09.19	357.68 LT	±101.67	RSA REGRADE
5036	103+13.67	391.10 LT	±106.97	RSA REGRADE
5037	88+03.66	240.63 LT	±88.42	ME
5038	87+60.04	239.30 LT	±88.21	ME
5039	85+14.86	219.99 LT	±87.70	ME

GRADING TABLE				
POINT #	STATION	OFFSET	ELEVATION	DESCRIPTION
5040	83+33.39	188.37 LT	±87.27	ME
5041	82+25.34	159.78 RT	±90.00	ME
5042	82+29.25	103.97 LT	±89.04	ME
5043	82+89.94	17.20 LT	±90.74	ME
5044	83+20.37	62.31 RT	±99.38	V DITCH PI
5045	83+70.99	134.83 RT	105.57	V DITCH PI
5046	84+20.86	150.66 RT	106.58	V DITCH PI
5047	86+08.40	131.00 RT	107.57	V DITCH PI
5048	88+06.68	140.88 RT	108.60	V DITCH PI

NOTES

1. ALL STATIONS SHOWN ARE BASED ON TW Z ALIGNMENT.

Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised: 1/09/2026, 2:44 PM
Layout Name: GRADING TABLE
File Path and Names: U:\2073016910\drawing\c_sheets\00929-ANC-Grading-Plan.dwg

STATE OF ALASKA 49TH
Evan J Griffith III
CE-10003
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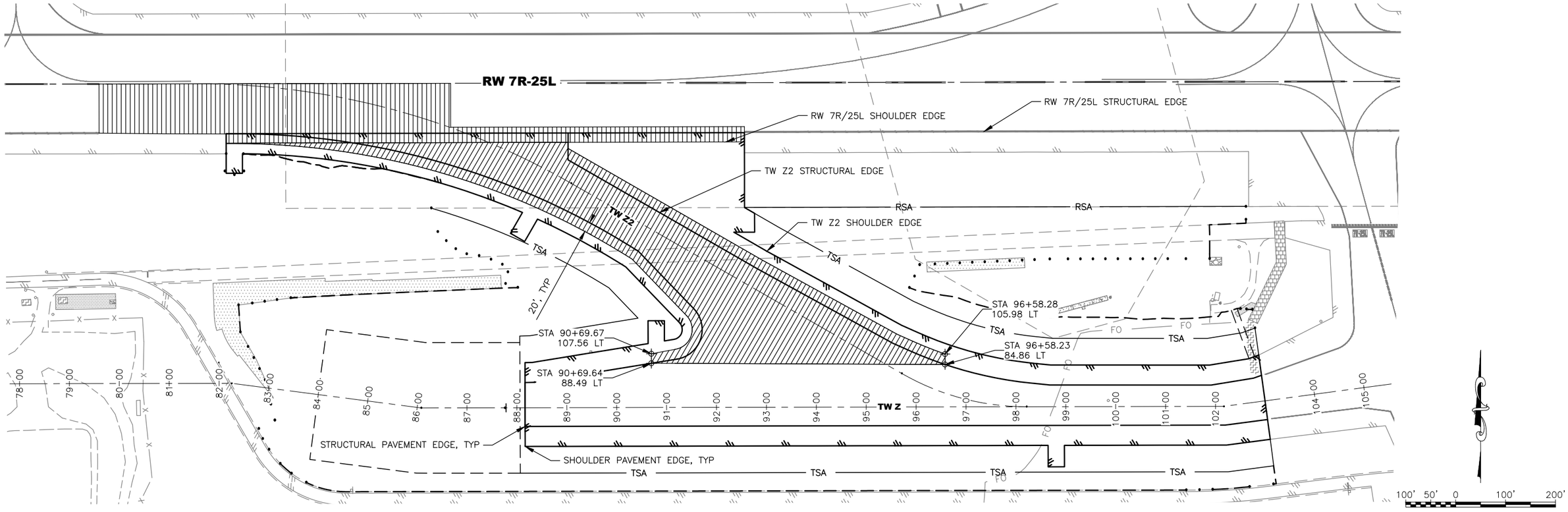
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
GRADING TABLE

DATE: 01/09/2026
SHEET: 24 OF 41

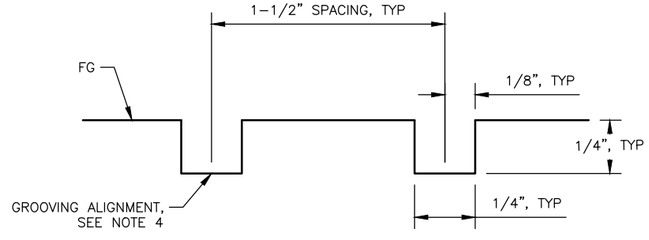


GROOVING PLAN NOTES:

1. COORDINATE SAW–CUT GROOVING LIMITS WITH PAVING LIMITS SHOWN ON THE SITE SHEETS.
2. EXTEND RW GROOVING 20' BEYOND THE RW AND TW STRUCTURAL EDGE AS SHOWN.
3. ALIGN RW GROOVING TO MATCH EXISTING.
4. RW GROOVING HAS PRECEDENCE OVER TW GROOVING.
5. APPLY JOINT SEALANT AFTER GROOVING IS COMPLETED.
6. DIRECTION OF GROOVES ARE PERPENDICULAR TO CONTROLLING CENTERLINE ALIGNMENT.

LEGEND

PAVEMENT SAW–CUT GROOVING AREA



1/25 PAVEMENT SAW–CUT GROOVING PLAN
NTS

Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised: 1/09/2026, 2:44 PM
Layout Name: GROOVING PLAN
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Grooving-Plan.dwg

STATE OF ALASKA 49TH
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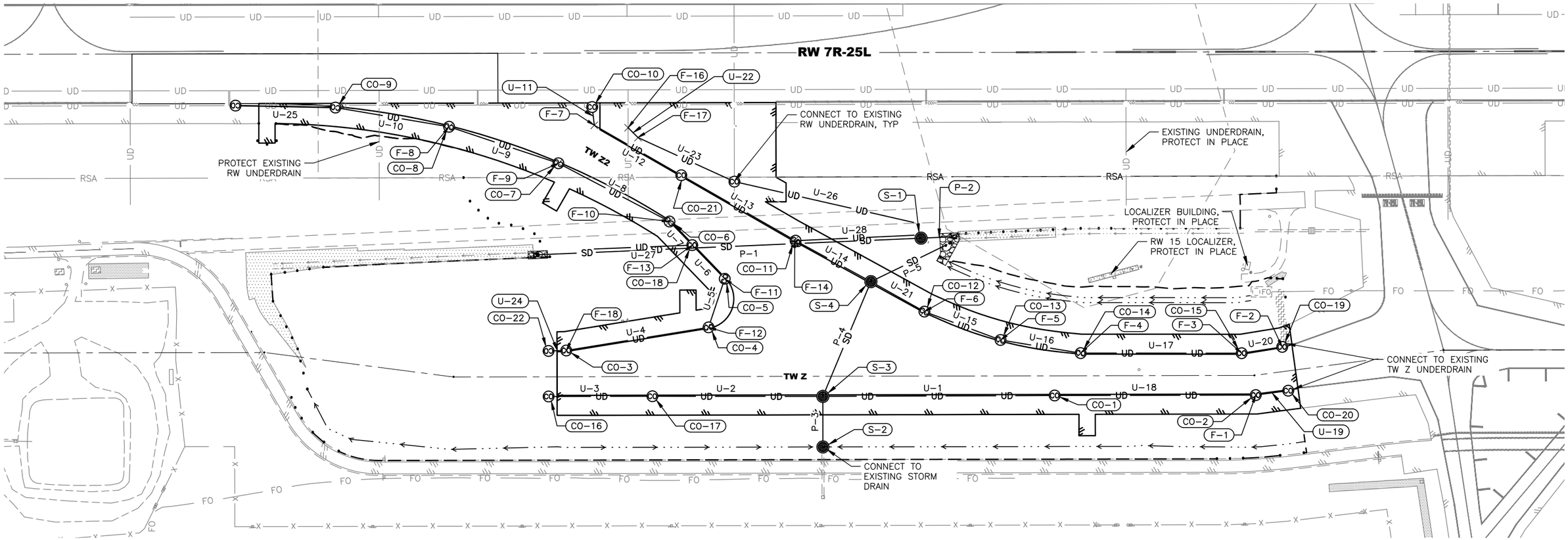
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
GROOVING PLAN

DATE: 01/09/2026
SHEET: 25 OF 41



LEGEND

NEW, RIPRAP, CLASS I

CO – CLEAN OUT

F – FITTING

U – UNDERDRAIN

S – STRUCTURE

P – PIPE

DRAINAGE NOTES:

1. CONNECTIONS TO EXISTING PIPES SHALL BE DONE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS OR AS DIRECTED BY THE ENGINEER.
2. ADJUST MANHOLE FRAMES TO FINISHED GRADE PRIOR TO PAVING OPERATIONS.
3. FIELD BEND UNDERDRAIN PIPING AS REQUIRED FOR MINOR HORIZONTAL CHANGES. PROVIDE INJECTION MOLDED FITTINGS WHERE SHOWN. MANUFACTURER FITTINGS SHALL BE COMPATIBLE WITH PIPING AND CERTIFIED FOR USE BY MANUFACTURER.
4. SEE SHEET 31 FOR RIPRAP DETAILS AND SHEETS 30–34 FOR DRAINAGE DETAILS.

100' 50' 0 100' 200'

Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised: 1/09/2026, 2:44 PM
Layout Name: DRAINAGE PLAN
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Drainage-Plan.dwg

STATE OF ALASKA 49 TH
Evan J Griffith III
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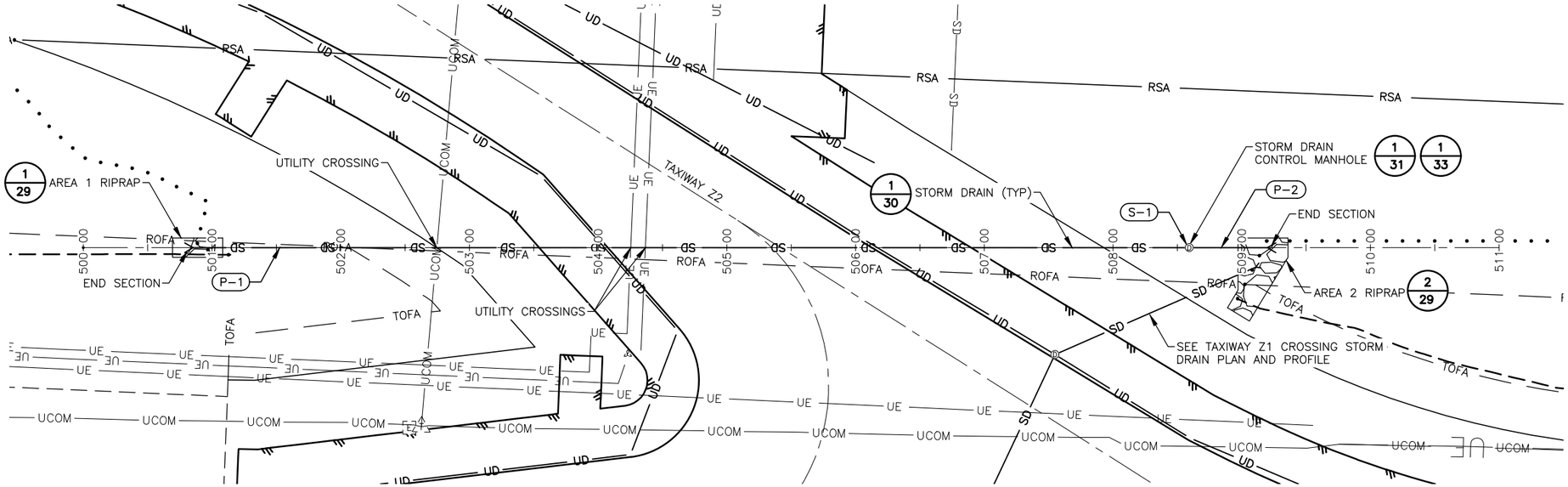
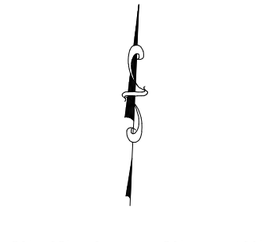
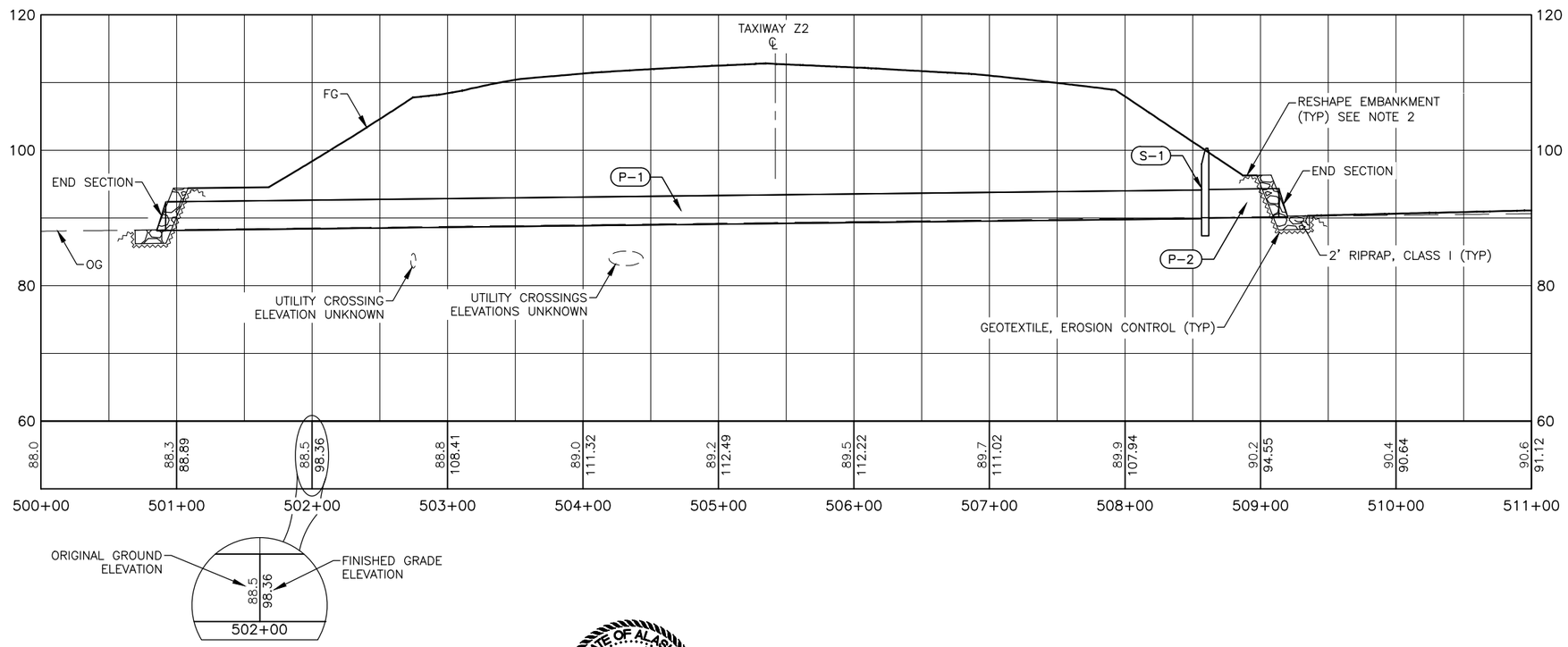
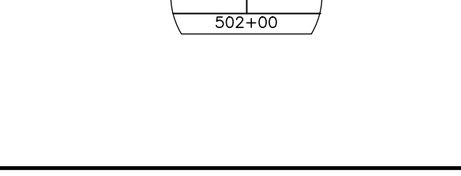
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
DRAINAGE PLAN

DATE: 01/09/2026









NOTES:

1. SEE SUMMARY TABLES FOR PIPE AND STRUCTURE INFORMATION.
2. RESHAPE EMBANKMENT SLOPES AT PIPE ENDS TO MEET THE FOLLOWING CRITERIA: 1) EMBANKMENT SLOPE SHALL BE PERPENDICULAR TO PIPE END; 2) MAINTAIN 2 FEET OF COVER ABOVE PIPE; AND 3) MAINTAIN 2H:1V OR FLATTER SLOPES.
3. RIPRAP THICKNESS IS MEASURED PERPENDICULAR TO THE FINISHED GROUND SURFACE.

Designed By: AH
Drawn By: AH
Checked By: JD

Date Revised:
Layout Name: 27
File Path and Name: D:\AWR Engineering, LLC Dropbox\Jobs\1212 Stantec\08 ANC Taxiway Z\CAD\PSE\00929-ANC-27-28.dwg
1/09/2026, 8:56 AM

STATE OF ALASKA 49 TH
Aaron J. Havel
CE - 107250
REGISTERED PROFESSIONAL ENGINEER

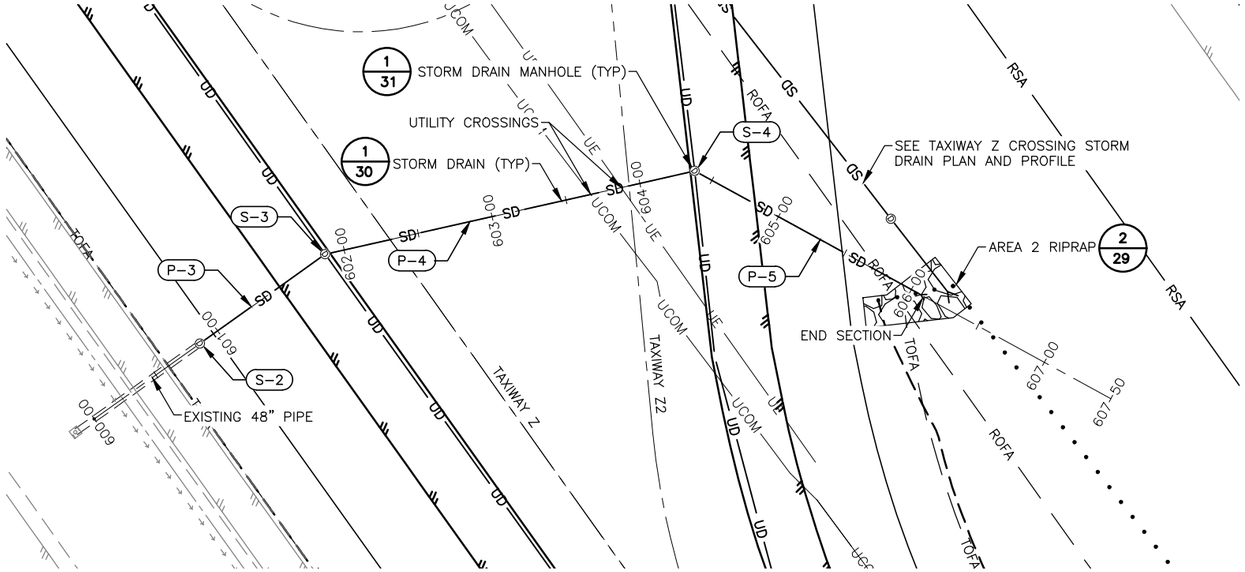
AWR ENGINEERING, LLC
2702 GAMBELL STEET SUITE 104
ANCHORAGE, AK 99503
(907) 313-9027
AECL 1470

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

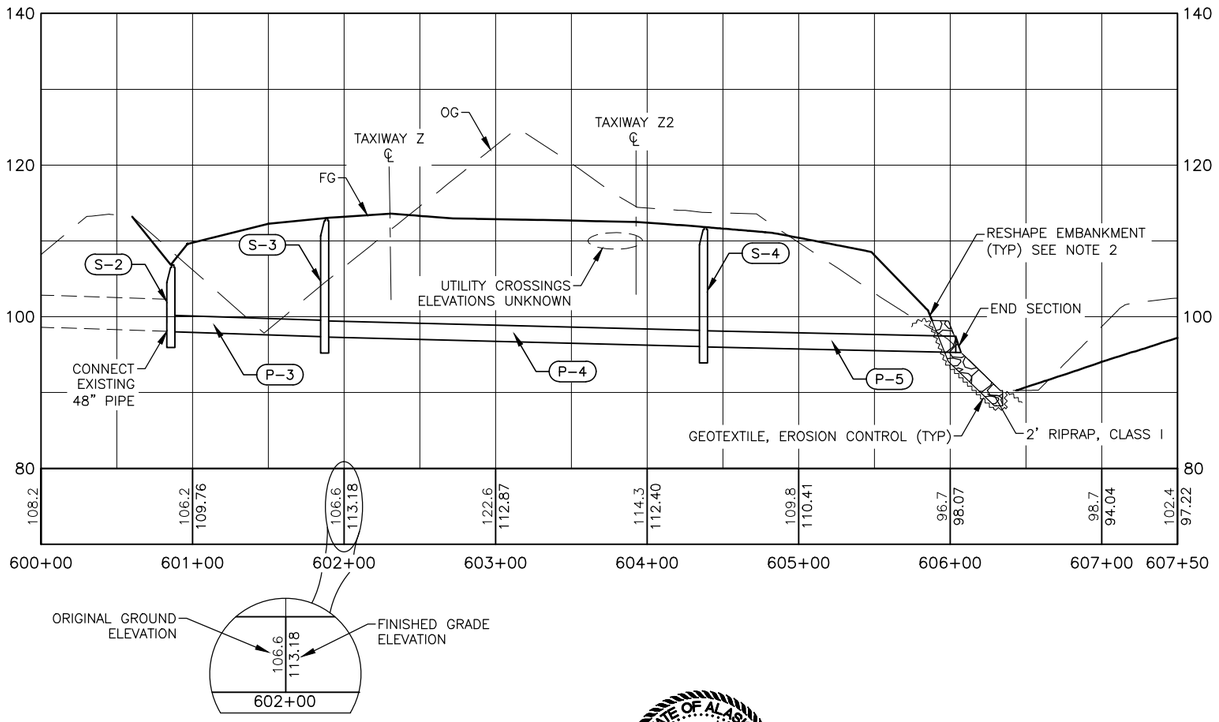
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
STORM DRAIN PLAN AND PROFILE
TAXIWAY Z2 CROSSING

DATE: 01/09/2026
SHEET: 27 OF 41



50' 25' 0 50' 100'

VERTICAL SCALE 1"=10'



NOTES:

1. SEE SUMMARY TABLES FOR PIPE AND STRUCTURE INFORMATION.
2. RESHAPE EMBANKMENT SLOPES AT PIPE ENDS TO MEET THE FOLLOWING CRITERIA: 1) EMBANKMENT SLOPE SHALL BE PERPENDICULAR TO PIPE END; 2) MAINTAIN 2 FEET OF COVER ABOVE PIPE; AND 3) MAINTAIN 2H:1V OR FLATTER SLOPES.
3. RIPRAP THICKNESS IS MEASURED PERPENDICULAR TO THE FINISHED GROUND SURFACE.

STATE OF ALASKA 49TH
Aaron J. Havel
CE - 107250
REGISTERED PROFESSIONAL ENGINEER

AWR ENGINEERING, LLC
2702 GAMBELL STEET SUITE 104
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(907) 313-9027
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
STORM DRAIN PLAN AND PROFILE
TAXIWAY Z2 CROSSING

DATE: 01/09/2026
SHEET: 28 OF 41

Designed By: AH
Drawn By: AH
Checked By: JD
Date Revised:
Layout Name: 28
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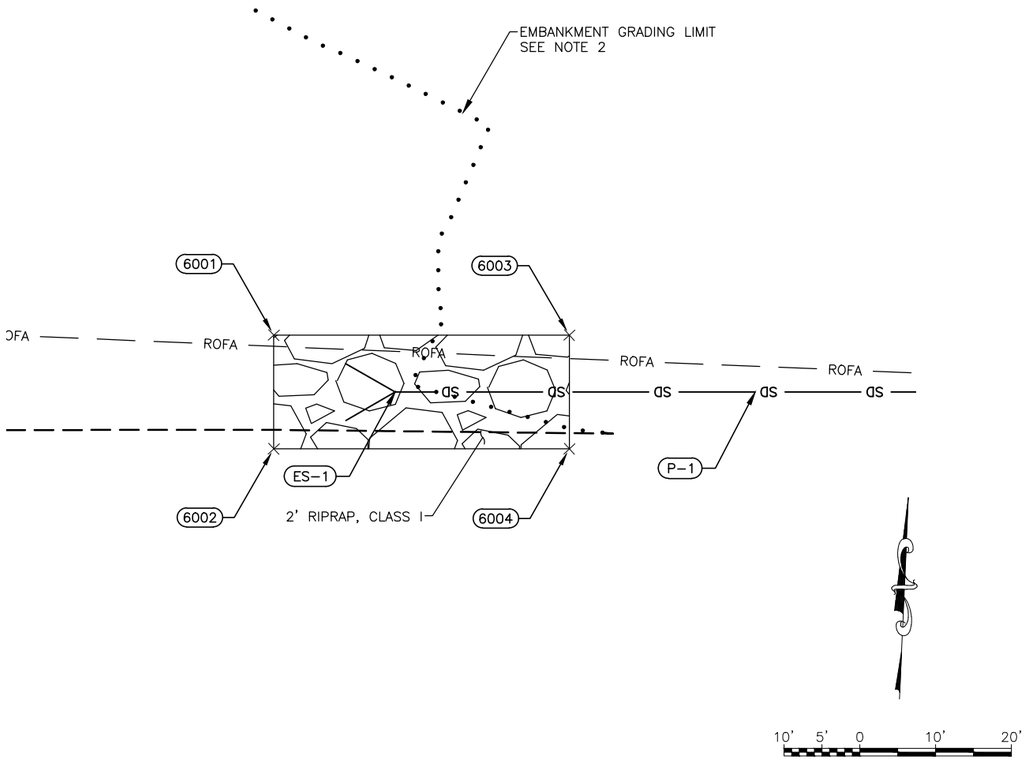
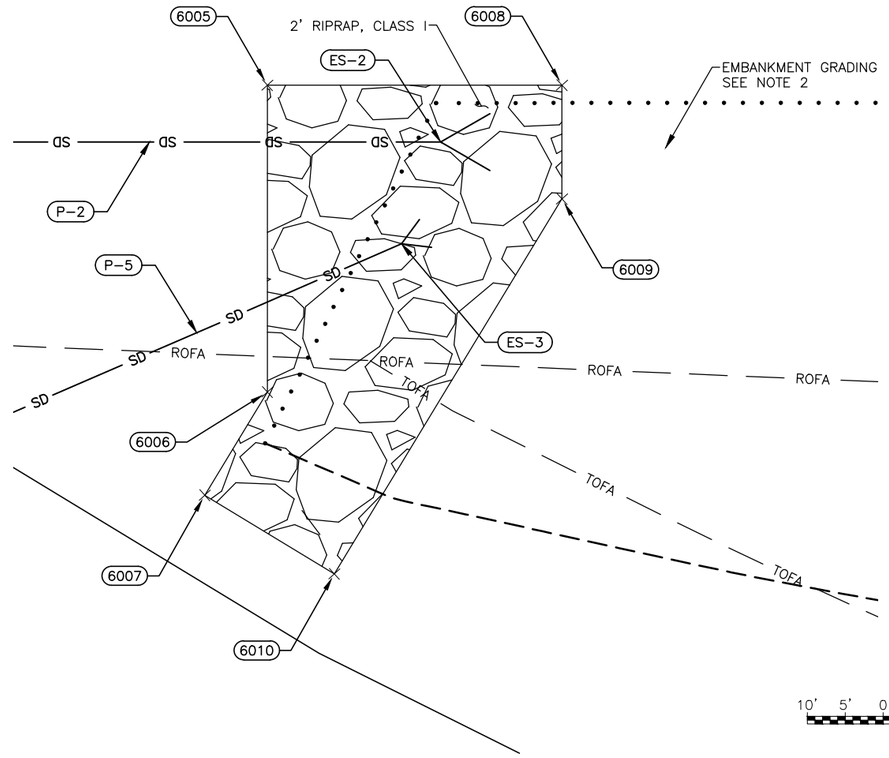


1/29 RIPRAP APRON 1



2/29 RIPRAP APRON 2

RIPRAP POINT TABLE		
POINT #	STATION	OFFSET
6001	87+58.38	251.75 LT
6002	87+59.00	236.76 LT
6003	87+97.36	253.37 LT
6004	87+97.98	238.38 LT
6005	95+85.39	286.06 LT
6006	95+87.07	245.62 LT
6007	95.79.37	231.67 LT
6008	96+24.23	287.67 LT
6009	96+24.85	272.68 LT
6010	95+96.88	222.01 LT

NOTES:

1. STATION AND OFFSET REFERENCES ARE TO TAXIWAY Z.
2. RESHAPE EMBANKMENT SLOPES AT PIPE ENDS TO MEET THE FOLLOWING CRITERIA: 1) EMBANKMENT SLOPE SHALL BE PERPENDICULAR TO PIPE END; 2) MAINTAIN 2 FEET OF COVER ABOVE PIPE; AND 3) MAINTAIN 2H:1V OR FLATTER SLOPES.
3. RIPRAP THICKNESS IS MEASURED PERPENDICULAR TO THE FINISHED GROUND SURFACE.

STATE OF ALASKA 49TH
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TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
RIPRAP APRONS
TAXIWAY Z CROSSING

DATE: 01/09/2026
SHEET: 29 OF 41

Designed By: AH
Drawn By: AH
Checked By: JD

Date Revised: 1/09/2026, 8:54 AM
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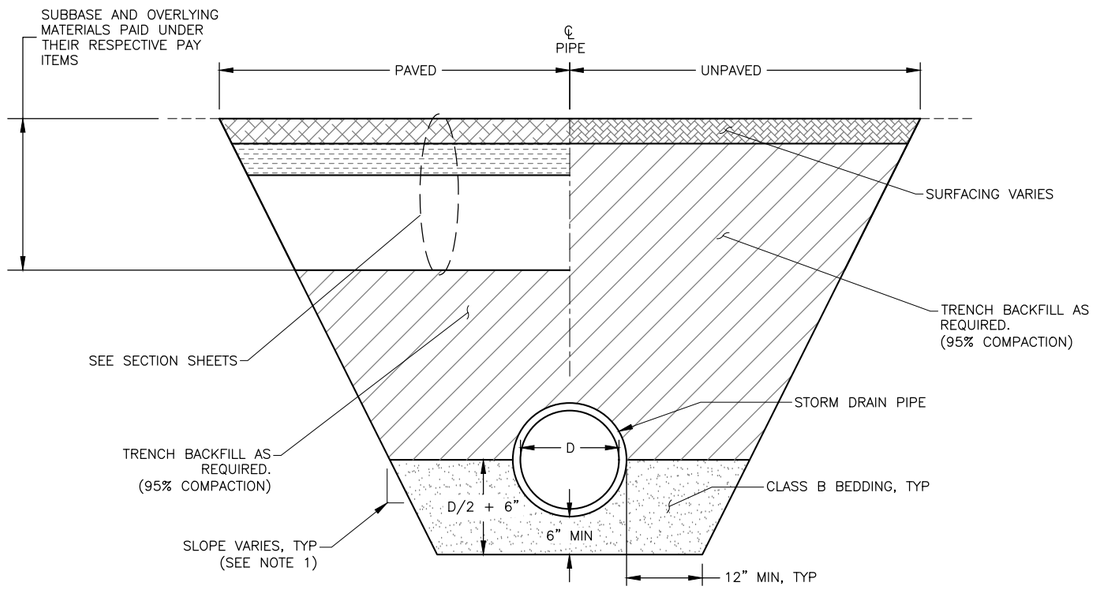

1/30 STORM DRAIN CULVERT TRENCH SECTION

SCALE: NTS

TRENCH SECTION NOTES:

1. TRENCH WALL SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTER. SLOPES SHALL CONFORM WITH OSHA REGULATIONS AND REQUIREMENTS.
2. EXCAVATION, BEDDING, BACKFILL, AND FILTER MATERIAL FOR STORM AND UNDERDRAIN PIPES ARE SUBSIDIARY TO THE RESPECTIVE ITEMS OF WORK. SEE SPECIFICATION D-701 AND D-705.

STATE OF ALASKA 49 TH
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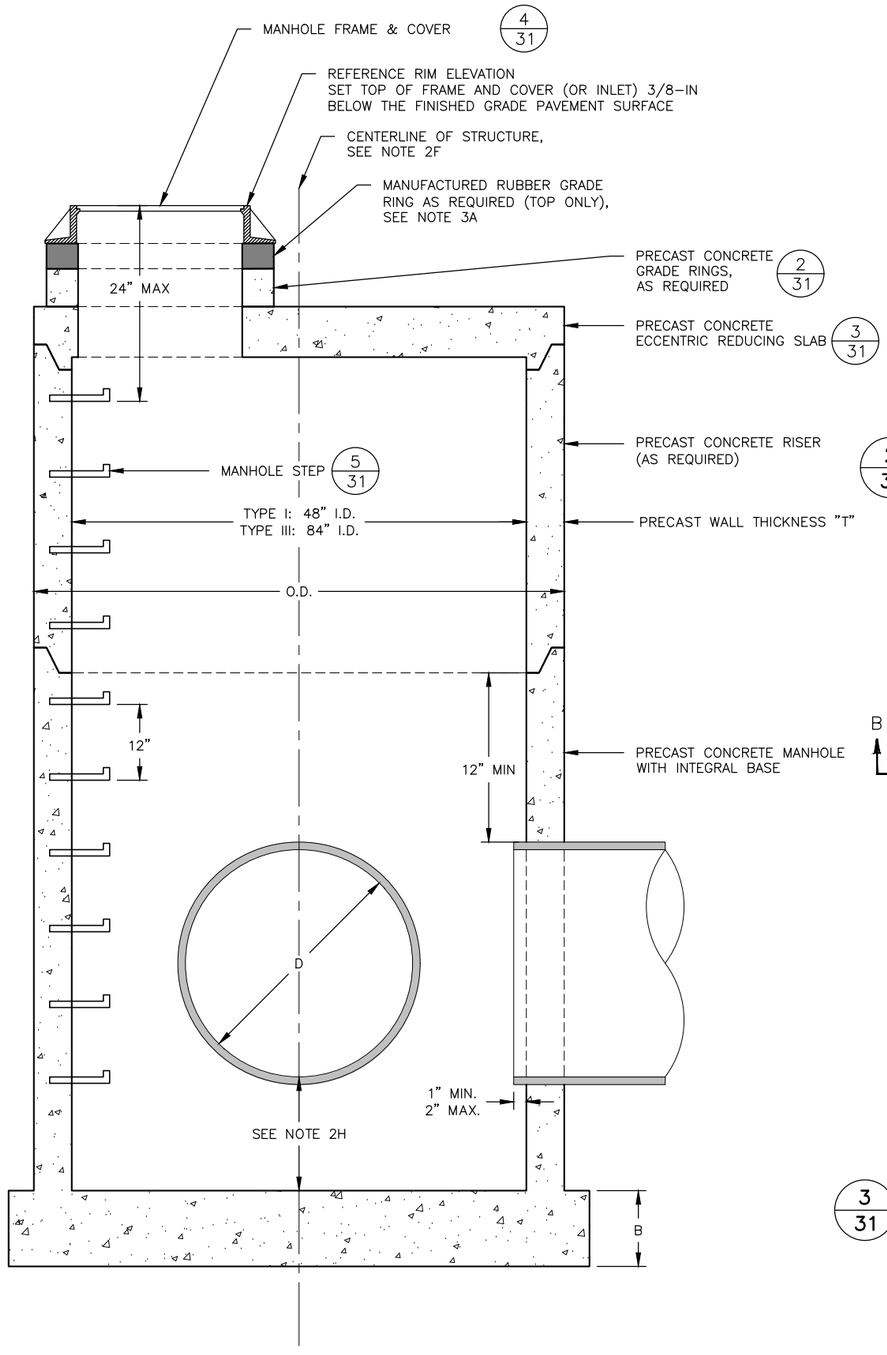
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
DRAINAGE DETAILS

DATE: 01/09/2026

SHEET: 30 OF 41

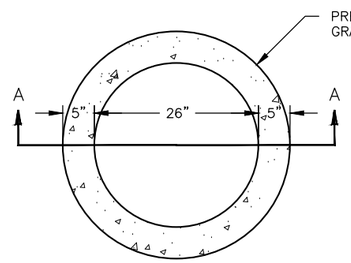
Designed By: EJG
Drawn By: JAG
Checked By: EJG

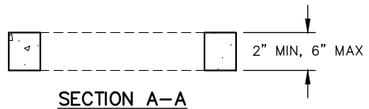
Date Revised: 1/09/2026, 2:44 PM
Layout Name: FLOW CONTROL MANHOLE DETAILS
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Details.dwg



1/31 PRECAST CONCRETE STORM DRAIN MANHOLE

SCALE: NTS

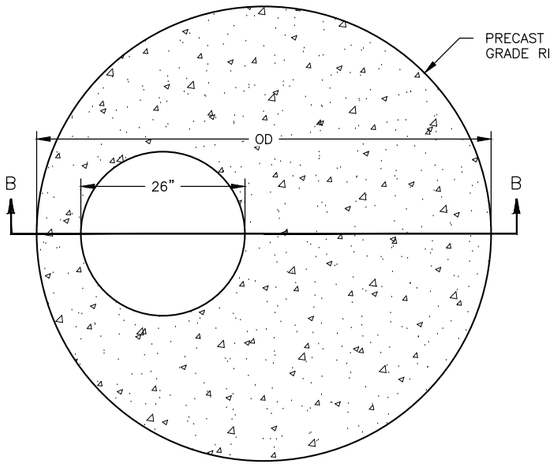


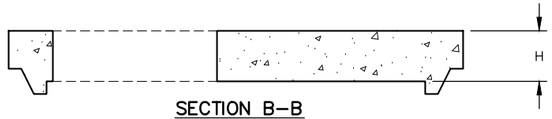


SECTION A-A

2/31 PRECAST CONCRETE GRADE RINGS

SCALE: NTS

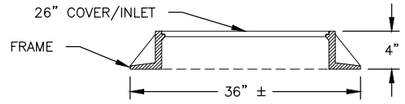




SECTION B-B

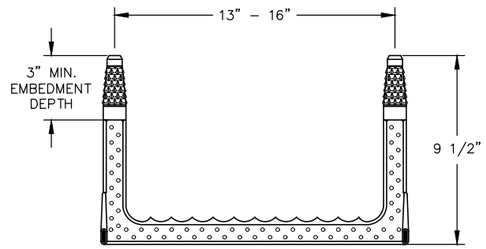
3/31 PRECAST CONCRETE ECCENTRIC REDUCING SLAB

SCALE: NTS



4/31 MANHOLE FRAME AND STORM DRAIN INLET COVER

SCALE: NTS



5/31 DETAIL: MANHOLE STEP

SCALE: NTS

DETAIL NOTES:

1. DESIGN ALL CONCRETE STRUCTURES AND STEEL REINFORCEMENT TO MEET THE LOADING CRITERIA PROVIDED IN THE CURRENT FAA AC 150/5320-6, THE REQUIREMENTS OF ASTM C478, AND THE DESIGN LOADS PROVIDED IN THE SPECIFICATIONS (D751). WALL, FLOOR, AND SLAB THICKNESS DIMENSIONS WILL VARY BASED ON LOAD REQUIREMENTS, SIZE AND DEPTH OF STRUCTURE. PROVIDE SHOP DRAWINGS FOR EACH STRUCTURE WITH A LETTER FROM THE PRECAST SUPPLIER CERTIFYING COMPLIANCE WITH THE REQUIREMENTS ABOVE, AND SEALED BY A CIVIL ENGINEER CURRENTLY REGISTERED IN THE STATE OF ALASKA.

2. PRECAST CONCRETE MANHOLE

A. EMBED STEEL FROM FIRST BARREL INTO MANHOLE BASE TO PROVIDE AN INTEGRAL-BASE MANHOLE.

B. CONSTRUCT MANHOLE WITH 48-INCH I.D. FOR MANHOLES WITH PIPE DIAMETERS (D) LESS THAN OR EQUAL TO 24-INCHES. CONSTRUCT MANHOLE WITH 72-INCH I.D. FOR MANHOLES WITH PIPE DIAMETERS (D) BETWEEN 24 - 36 INCHES. CONSTRUCT MANHOLE WITH 96-INCH I.D. FOR MANHOLES WITH PIPE DIAMETERS (D) GREATER THAN 36 INCHES UP TO 48-INCHES.

C. PROVIDE MINIMUM 135° BETWEEN PIPE PENETRATIONS GREATER THAN 24-INCHES OR MAINTAIN 8-INCH VERTICAL CLEARANCE FOR PIPE PENETRATIONS WITH ANGLES LESS THAN 135°.

D. PLACE CONCRETE MANHOLE / MANHOLE BASE ON 6-INCH MINIMUM CRUSHED AGGREGATE BASE COURSE. COMPACTED TO 95% MINIMUM DENSITY.

E. SEAL PIPE PENETRATIONS WITH NON-SHRINKABLE GROUT IN ACCORDANCE WITH THE SPECIFICATIONS AND MANUFACTURERS RECOMMENDATIONS.

F. OFFSETS ARE MEASURED BETWEEN THE CENTERLINE OF THE ALIGNMENT AND THE CENTERLINE OF THE STRUCTURE.

G. PROVIDE INSULATION FOR STRUCTURES IF NOTED ON THE PLANS. SEE D751 FOR INSULATION REQUIREMENTS.

H. ALL STORM DRAIN MANHOLES SHALL HAVE 18" MIN SUMPS. MANHOLES WITH FLOW RESTRICTOR PLATES SHALL HAVE 24" SUMPS.

3. GRADE RINGS

A. PROVIDE MINIMUM OF ONE 2-INCH GRADE RING ABOVE EACH REDUCING SLAB UNLESS OTHERWISE NOTED ON THE PLANS. PROVIDE MANUFACTURERED RUBBER GRADE RINGS (NOT TO EXCEED 3" THICK) IMMEDIATELY BELOW THE FRAME AND SEAL USING SELF LEVELING POLYURETHANE SEALANT, OR AS RECOMMENDED BY THE MANUFACTURER. PROVIDE A COMBINATION OF TAPERED RUBBER GRADE RINGS AS NEEDED TO MATCH FINISHED GRADE SLOPES. PROVIDE PRECAST CONCRETE GRADE RINGS BELOW RUBBER GRADE RINGS AS REQUIRED.

4. PRECAST CONCRETE ECCENTRIC REDUCING SLAB

A. CONSTRUCT ECCENTRIC REDUCING SLAB WITH MALE OR FEMALE END AS NEEDED TO MATCH MANHOLE RISER.

B. ALIGN REDUCING SLAB SO THAT THE MANHOLE STEPS ARE IN LINE WITH THE MANHOLE FRAME AND COVER.

5. MANHOLE FRAME AND COVER/INLET

A. PROVIDE MANHOLE FRAME AND COVER (OR INLET) IN ACCORDANCE WITH THE SUMMARY TABLES.

B. FRAMES, GRATES, AND COVERS SHALL MEET LOADING REQUIREMENTS SPECIFIED PER D751.

6. MANHOLE STEPS

A. PROVIDE SLIP RESISTANT FOOT TREAD WITH "WINGS" TO PREVENT FEET FROM SLIDING OFF THE EDGE AND INCLUDE REFLECTORS AT THE STEP CORNERS.

B. INSTALL MANHOLE STEPS TO RESIST A PULLOUT FORCE OF 1500LB.

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CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

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CENTRAL REGION
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TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
MANHOLE DETAILS

DATE: 01/09/2026

SHEET: 31 OF 41

Designed By: EJG
Drawn By: JAG
Checked By: EJG

Date Revised:
Layout Name: MANHOLE DETAILS
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Details.dwg
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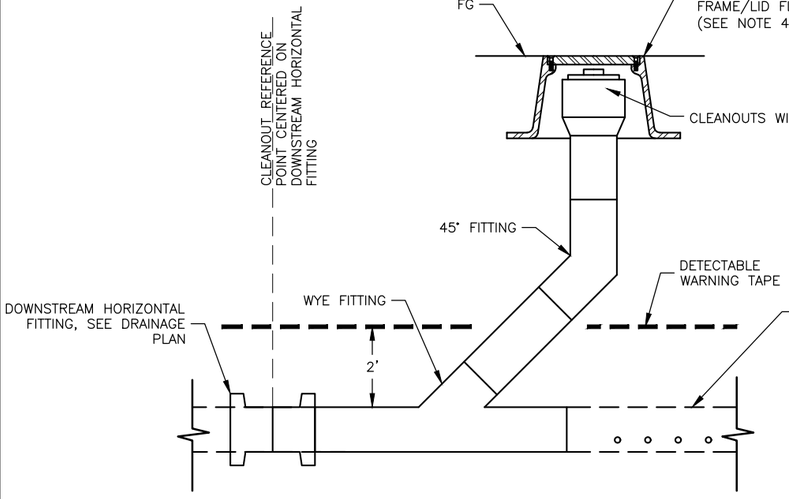
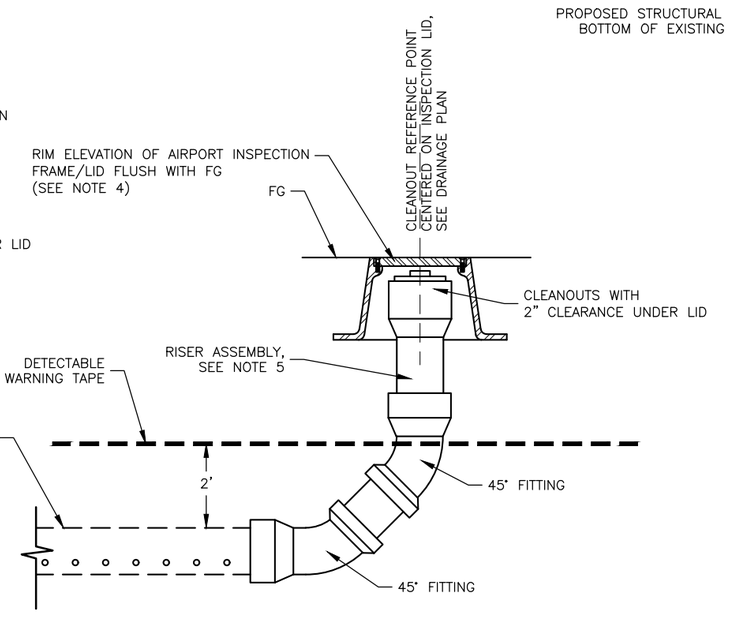


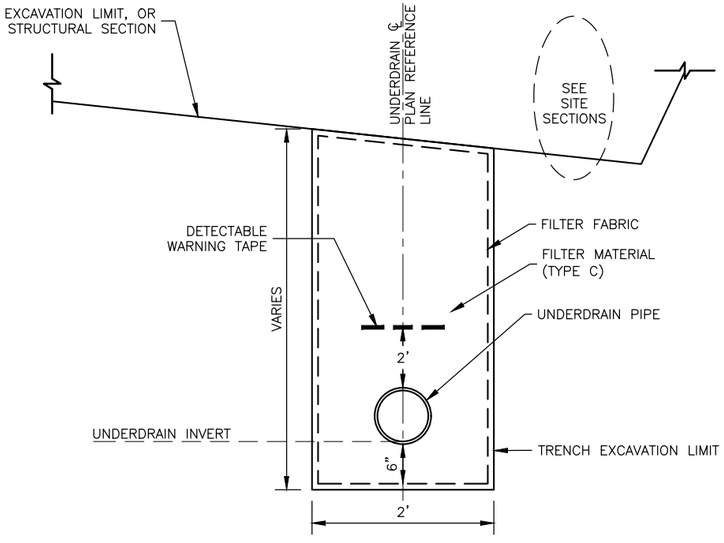
1/32 UNDERDRAIN CLEANOUT DETAIL – IN–LINE

SCALE: NTS



2/32 UNDERDRAIN CLEANOUT DETAIL – END

SCALE: NTS



3/32 UNDERDRAIN PIPE

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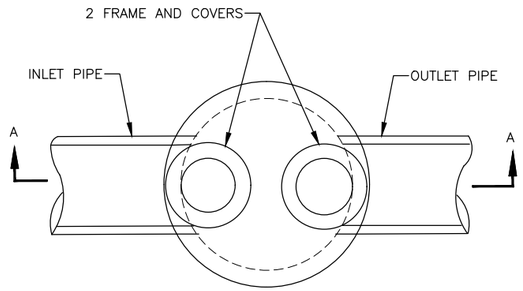
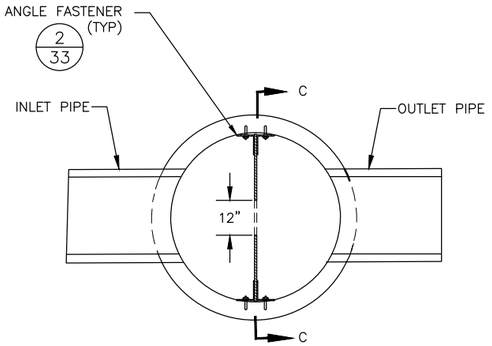
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
DRAINAGE DETAILS

DATE: 01/09/2026

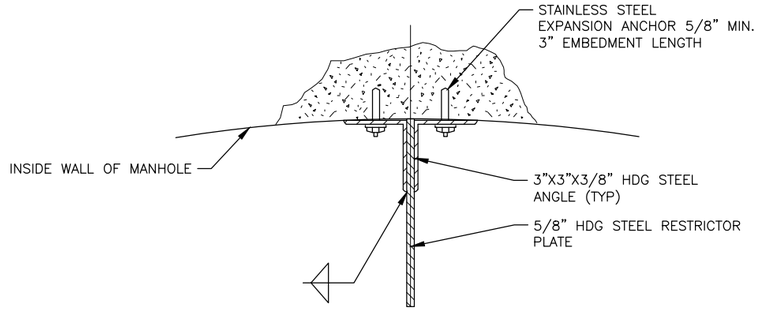
SHEET: 32 OF 41



PLAN VIEW

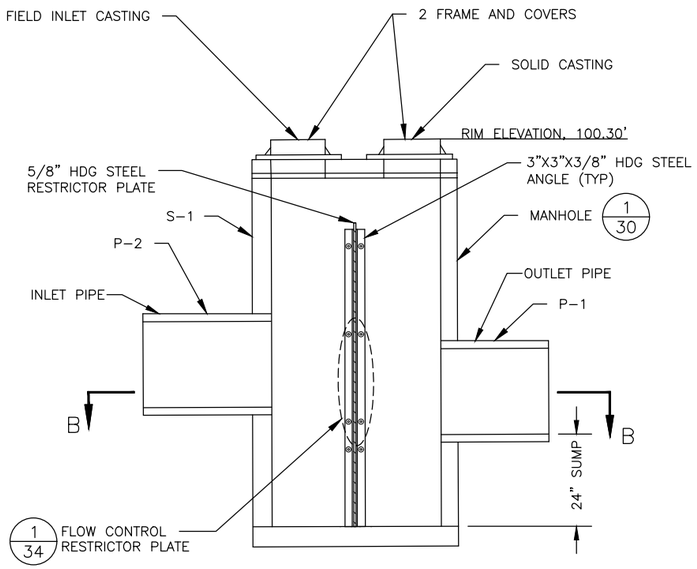


SECTION B–B



2/33 ANGLE FASTENER DETAIL

SCALE: NTS



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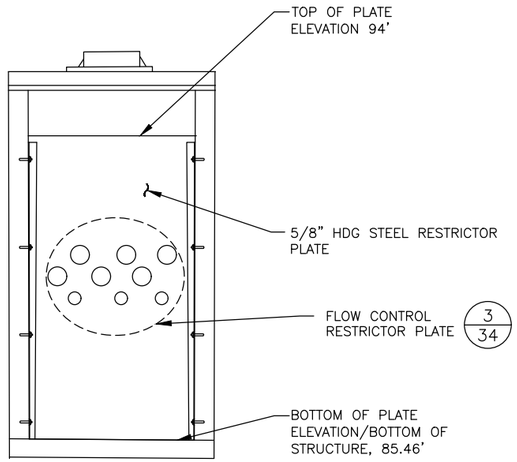


SECTION C–C

1/33 FLOW CONTROL STRUCTURE DETAIL

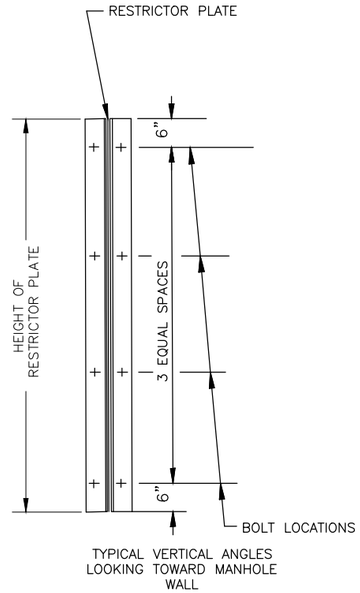
SCALE: NTS

FLOW CONTROL STRUCTURE TABLE

STRUCTURE	STRUCTURE TYPE	FRAME AND GRATE	ORFICE DIAMETER in. (d)	INVERT OF ORFICE	TOP OF PLATE ELEVATION	BOTTOM OF PLATE ELEVATION	RIM ELEVATION
S-1	SDMH TYPE III	2-24" ROUND SOLID AND SLOTTED	12	90.95	94.00	85.46	100.30

NOTES:

1. REPAIR DAMAGE TO HDG COATINGS IN ACCORDANCE WITH ASTM A 780



STEEL ANGLE BOLTING DETAILS

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PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
FLOW CONTROL MANHOLE DETAILS

DATE: 01/09/2026

SHEET: 33 OF 41

Designed By: EJG
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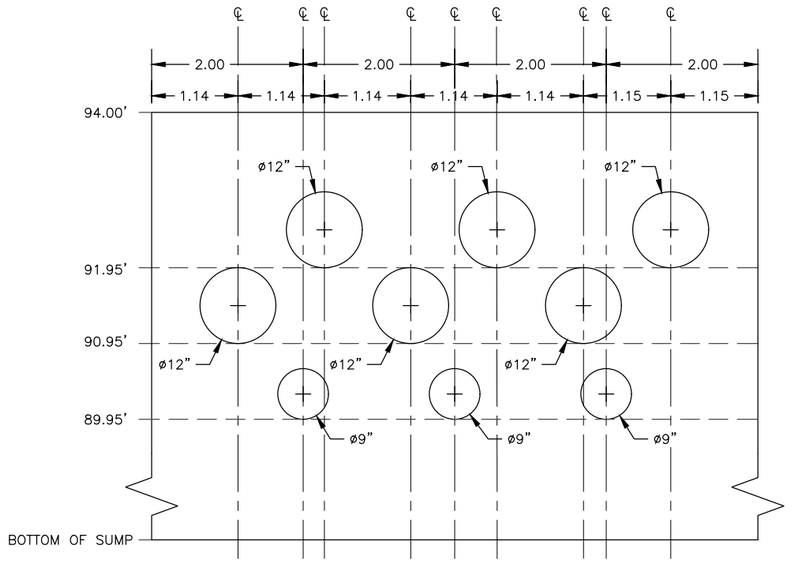

1/34 FLOW CONTROL RESTRICTOR PLATE

SCALE: NTS

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AIP No. 3-02-0016-XXX-2026
FLOW CONTROL MANHOLE DETAILS

DATE: 01/09/2026

SHEET: 34 OF 41

D705.020.0008 UNDERDRAIN, CPE PIPE SUMMARY

PIPE NUMBER	PIPE SIZE (IN)	ALIGNMENT	INLET STRUCTURE OR STATION/OFFSET	INLET INVERT	OUTLET STRUCTURE OR STATION/OFFSET	OUTLET INVERT	SLOPE	LENGTH (FT)	SHEET NO.	REMARKS
U-1	8	TW Z	93+50.06 40.50 RT	101	CO-1	102.74	0.37%	466	26	CONNECT TO S-3
U-2	8	TW Z	CO-17	104.97	93+50.06 40.50 RT	104	0.28%	343	26	CONNECT TO S-3
U-3	8	TW Z	CO-16	105.548	CO-17	104.97	0.28%	209	26	
U-4	8	TW Z	CO-3	105.25	CO-4	103.51	0.60%	290	26	
U-5	8	TW Z	CO-4	103.51	CO-5	102.63	0.86%	103	26	
U-6	8	TW Z	CO-5	102.63	CO-18	102.1	0.56%	94	26	
U-7	8	TW Z	CO-18	102.1	CO-6	102.2	0.15%	66	26	
U-8	8	TW Z	CO-6	102.2	CO-7	103.43	0.49%	252	26	
U-9	8	TW Z	CO-7	103.43	CO-8	104.81	0.60%	232	26	
U-10	8	TW Z	CO-8	104.81	CO-9	108.10	1.42%	232	26	
U-11	8	TW Z	CO-10	104.66	U-12	104.33	0.89%	37	26	OUTLET TW Z STA 88+92.11 505.04 L
U-12	8	TW Z	U-11	104.33	CO-21	103.13	0.60%	202	26	INLET TW Z STA 88+92.11 505.04 L
U-13	8	TW Z	CO-21	103.13	CO-11	102.8	0.12%	265	26	
U-14	8	TW Z	CO-11	102.8	94+47.03 189.93 LT	102.4	0.23%	173	26	CONNECT TO S-4
U-15	8	TW Z	CO-12	102.1	CO-13	102.3	0.12%	164	26	
U-16	8	TW Z	CO-13	102.3	CO-14	102.5	0.12%	164	26	
U-17	8	TW Z	CO-14	102.5	CO-15	102.96	0.14%	324	26	
U-18	8	TW Z	CO-1	102.74	CO-2	103.19	0.11%	404	26	
U-19	8	TW Z	CO-2	103.19	CO-20	104.82	2.48%	66	26	
U-20	8	TW Z	CO-15	102.96	CO-19	104.5	1.87%	83	26	
U-21	8	TW Z	94+47.03 189.93 LT	101.9	CO-12	102.1	0.16%	124	26	CONNECT TO S-4
U-22	8	TW Z	89+79.86 480.13 LT	102.678	U-23	102.66	0.05%	29	26	CONNECT TO EXISTING UNDERDRAIN
U-23	8	TW Z	U-22	102.667	91+73.24 391.31 LT	97.01	2.66%	213	26	
U-24	8	TW Z	CO-3	105.548	CO-22	105.25	0.84%	36	26	
U-25	8	TW Z	CO-9	108.002	CO-23	106.00	1.00%	201	26	
U-26	8	TW Z	CO-24	97.013	95+33.06 308.65 LT	95.00	0.55%	370	26	
U-27	8	TW Z	CO-18	102.000	88+91.40 256.53 LT	100.36	0.83%	198	26	
U-28	8	TW Z	CO-11	92+95.83	95+34.14 283.01 LT	100.32	1.00%	239	26	

D705.070.0000 CLEANOUT SCHEDULE

ALIGNMENT	STATION	OFFSET (FT)	SHEET NO.	REMARKS
CO-1	98+15.59	39.50 RT	28	
CO-2	102+16.94	39.58 RT	28	
CO-3	88+34.85	52.80 LT	28	
CO-4	91+20.81	98.73 LT	28	
CO-5	91+53.45	196.17 LT	28	
CO-6	90+42.77	311.43 LT	28	
CO-7	88+19.88	428.91 LT	28	
CO-8	85+34.89	497.29 LT	28	
CO-9	83+03.57	506.21 LT	28	
CO-10	88+87.85	541.66 LT	28	CLEANOUT END
CO-11	92+95.83	272.41 LT	28	CONNECT TO STORM DRAIN
CO-12	95+54.41	129.52 LT	28	
CO-13	97+07.13	72.18 LT	28	
CO-14	98+68.04	45.48 LT	28	
CO-15	101+91.36	44.73 LT	28	
CO-16	87+99.30	39.50 RT	28	CLEANOUT END
CO-17	90+07.72	39.50 RT	28	
CO-18	90+88.38	263.96 LT	28	CONNECT TO STORM DRAIN
CO-19	102+79.80	49.41 LT	28	CONNECT TO EXISTING TW Z UNDERDRAIN
CO-20	102+80.14	39.40 RT	28	CONNECT TO EXISTING TW Z UNDERDRAIN
CO-21	90+66.64	404.33 LT	28	
CO-22	87+99.39	51.94 LT	28	CLEANOUT END
CO-23	81+68.32	495.98 LT	28	CLEANOUT END
CO-24	91+73.24	391.31 LT	28	

FITTING TABLE

POINT #	STATION	OFFSET	DESCRIPTION	REMARKS
F-1	102+16.94	39.585 RT	11.25° FITTING	
F-2	102+79.80	49.41 LT	11.25° FITTING	
F-3	101+91.36	44.73 LT	11.25° FITTING	
F-4	98+68.04	45.48 LT	11.25° FITTING	
F-5	97+07.13	72.18 LT	11.25° FITTING	
F-6	95+54.41	129.52 LT	11.25° FITTING	
F-7	88+92.11	504.99 LT	(2) 22.5° & (1) 11.25° FITTINGS COMBINED	
F-8	85+34.89	497.29 LT	11.25° FITTING	
F-9	88+19.88	428.91 LT	11.25° FITTING	
F-10	90+42.77	311.43 LT	22.5° FITTING	
F-11	91+53.45	196.17 LT	(3) 22.5° FITTINGS COMBINED	
F-12	91+20.81	98.73 LT	(3) 22.5° FITTINGS COMBINED	
F-13	90+88.41	264.06 LT	WYE FITTING AND 22.5° FITTING	
F-14	92+94.18	273.48 LT	WYE FITTING AND 22.5° FITTING	
F-15	91+73.24	391.30 LT	WYE FITTING AND 22.5° FITTING	CONNECT TO EXISTING RW UNDERDRAIN
F-16	89+60.02	500.09 LT	45° FITTING	CONNECT TO EXISTING RW UNDERDRAIN
F-17	89+79.86	480.13 LT	45° FITTING	
F-18	88+34.85	52.80 LT	11.25° FITTING	
F-19	83+03.57	506.21 LT	11.25° FITTING	

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Date Revised:
Layout Name: UNDERDRAIN SUMMARY
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Drainage-Plan.dwg
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STATE OF ALASKA
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TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
UNDERDRAIN SUMMARY

DATE: 01/09/2026
SHEET: 35 OF 41

D701.030.00XX STORM DRAIN PIPE SUMMARY

PIPE		INLET			OUTLET			SLOPE	LENGTH (FT)	END SECTIONS	SHEET NO.	REMARKS
NUMBER	SIZE (IN)	STRUCTURE OR STATION/OFFSET		INVERT	STRUCTURE OR STATION/OFFSET		INVERT					
P-1	48	S-1		90.03	87+74.68	244.92 LT	88.24	0.30%	773.9	1	26	CAUTION: UNDERGROUND UTILITY CROSSING STEEL REINFORCED AND SMOOTH INTERIOR
P-2	48	96+08.55	279.51 LT	90.26	S-1		90.08	0.23%	60.7	1	26	STEEL REINFORCED AND SMOOTH INTERIOR
P-3	24	S-2		98.11	S-3		94.44	0.66%	101.5	0	26	STEEL REINFORCED AND SMOOTH INTERIOR
P-4	24	S-3		97.39	S-4		96.13	0.50%	250.0	0	26	CAUTION: UNDERGROUND UTILITY CROSSING STEEL REINFORCED AND SMOOTH INTERIOR
P-5	24	S-4		96.08	96+00.04	264.00 LT	95.34	0.44%	170.0	1	26	STEEL REINFORCED AND SMOOTH INTERIOR
								TOTAL:	1356.1			

D751.010.00XX STORM DRAIN STRUCTURE SUMMARY

STRUCTURE	STATION	OFFSET (FT)	RIM ELEVATION	DIAMETER (IN)	D751.010.0048 (TYPE I)	D751.010.0096 (TYPE III)	CASTING TYPE	SHEET NO.	REMARKS
S-1	95+47.91	276.99 LT	100.30	96		1	SOLID & FIELD INLET	26	STORM DRAIN FLOW CONTROL MANHOLE. INSTALL SLOTTED COVER ON OUTLET SIDE OF MANHOLE
S-2	93+50.00	142.00 RT	106.84	96		1	FIELD INLET	26	CONNECT EXISTING 48" PIPE
S-3	93+50.06	40.50 RT	113.00	48	1		SOLID	26	
S-4	94+47.03	189.93 LT	111.84	48	1		SOLID	26	
				TOTALS:	2	2			

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Drawn By: JAG
Checked By: EJG

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PROJECT No. CFAPT00929
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STORM DRAIN SUMMARY

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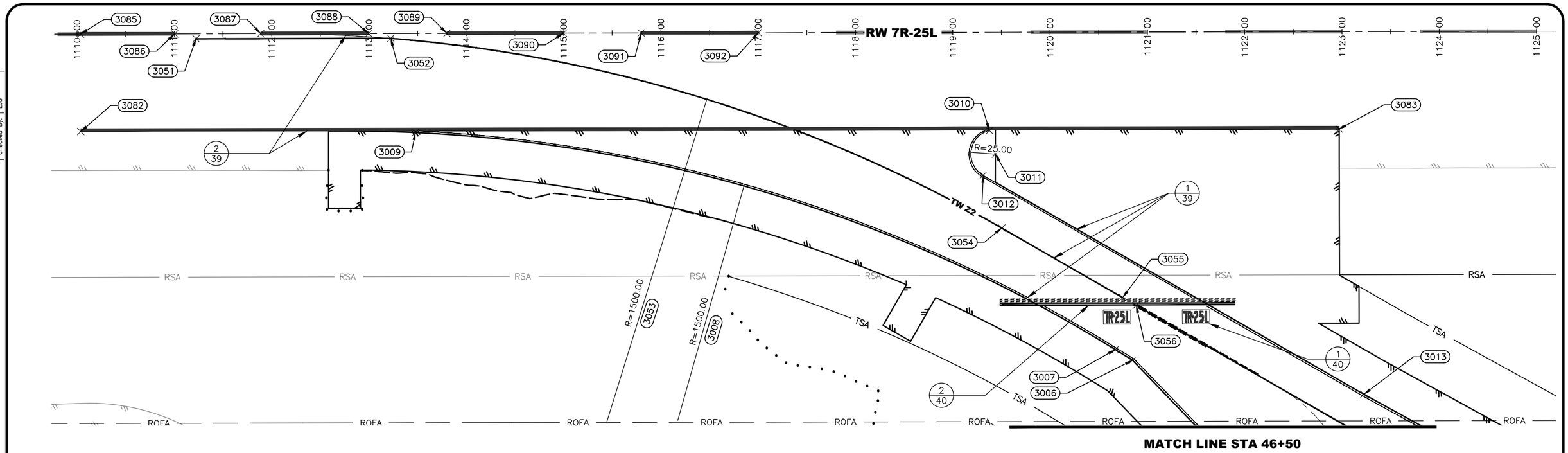

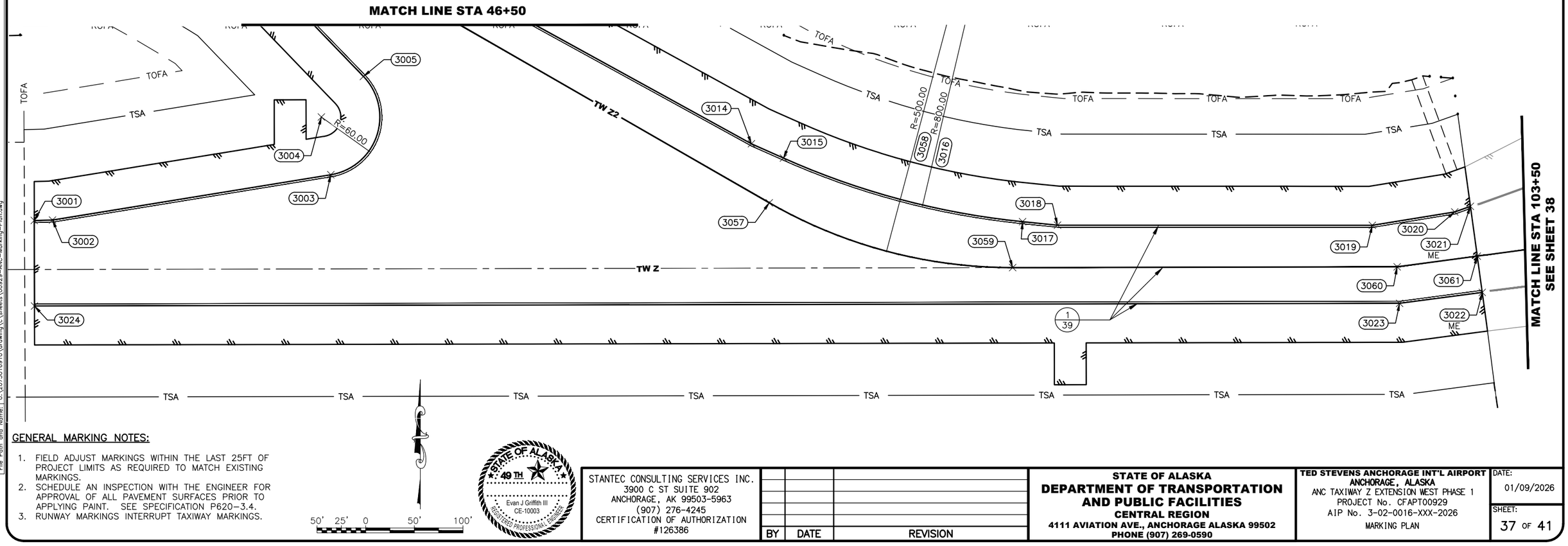

GENERAL MARKING NOTES:

1. FIELD ADJUST MARKINGS WITHIN THE LAST 25FT OF PROJECT LIMITS AS REQUIRED TO MATCH EXISTING MARKINGS.
2. SCHEDULE AN INSPECTION WITH THE ENGINEER FOR APPROVAL OF ALL PAVEMENT SURFACES PRIOR TO APPLYING PAINT. SEE SPECIFICATION P620-3.4.
3. RUNWAY MARKINGS INTERRUPT TAXIWAY MARKINGS.

50' 25' 0 50' 100'

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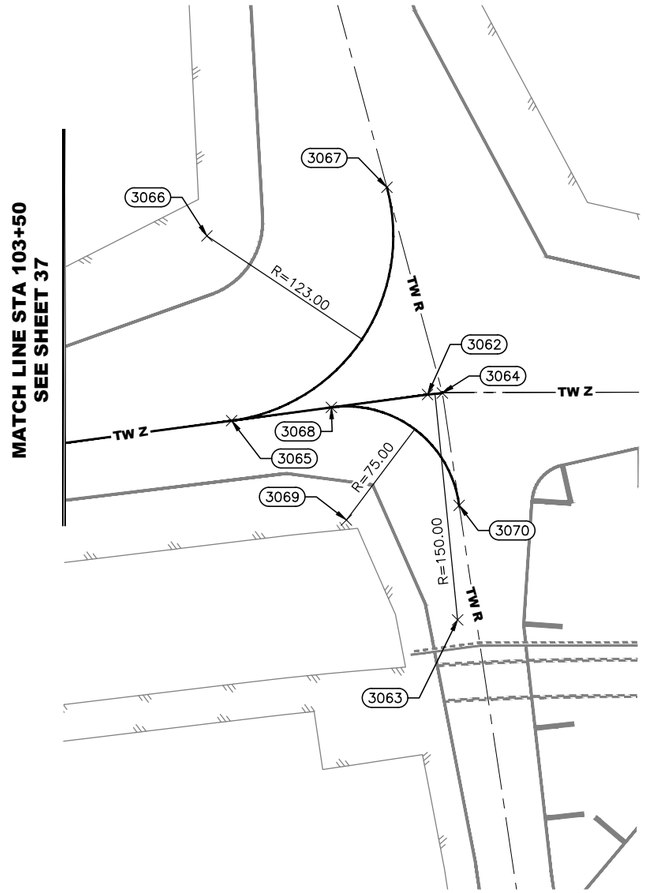
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
MARKING PLAN

DATE: 01/09/2026
SHEET: 37 OF 41

Designed By: EJG
Drawn By: JAG
Checked By: EJG
Date Revised: 1/09/2026, 2:45 PM
Layout Name: MARKING PLAN
File Path and Name: U:\20730169101\drawing\c\sheets\D0929-ANC-Marking-Plan.dwg



50' 25' 0 50' 100'

MARKING PLAN TABLE			
POINT #	STATION	OFFSET	DESCRIPTION
3001	88+16.36	50.35 LT	TAXI EDGE MARKING ENDPOINT
3002	88+35.04	50.80 LT	TAXI EDGE MARKING ENDPOINT
3003	91+21.13	96.76 LT	TAXI EDGE MARKING PC
3004	91+11.61	156.00 LT	RADIUS POINT
3005	91+54.89	197.56 LT	TAXI EDGE MARKING PT
3006	90+44.04	312.99 LT	TAXI EDGE MARKING ENDPOINT
3007	90+26.40	323.96 LT	TAXI EDGE MARKING PC
3008	83+61.74	990.67 RT	RADIUS POINT
3009	1113+47.58	101.77 RT	TAXI EDGE MARKING PT
3010	88+97.55	549.20 LT	TAXI EDGE MARKING PT
3011	89+03.61	524.91 LT	RADIUS POINT
3012	88+91.11	503.26 LT	TAXI EDGE MARKING PC
3013	92+81.89	277.65 LT	TAXI EDGE MARKING ENDPOINT
3014	95+53.52	127.73 LT	TAXI EDGE MARKING ENDPOINT
3015	95+86.43	112.97 LT	TAXI EDGE MARKIING PC
3016	99+13.59	842.77 LT	RADIUS POINT
3017	98+32.05	47.16 LT	TAXI EDGE MARKING PT
3018	98+67.93	43.48 LT	TAXI EDGE MARKING ENDPOINT
3019	101+91.52	42.73 LT	TAXI EDGE MARKING ENDPOINT
3020	102+83.08	48.06 LT	TAXI EDGE MARKING ENDPOINT
3021	102+99.79	51.61 LT	TAXI EDGE MARKING, ME
3022	103+00.13	37.65 RT	TAXI EDGE MARKING , ME
3023	102+16.94	37.58 RT	TAXI EDGE MARKING ENDPOINT
3024	88+16.36	37.50 RT	TAXI EDGE MARKING ENDPOINT
3051	80+79.13	595.00 LT	TAXI CENTERLINE MARKING ENDPOINT
* 3052	1113+22.37	5.00 RT	TAXI CENTERLINE MARKING ENDPOINT
3053	81+56.75	900.00 RT	RADIUS POINT
3054	89+10.03	449.04 LT	TAXI CENTERLINE MARKING PC
3055	90+34.02	377.39 LT	TAXI CENTERLINE MARKING PI
3056	90+48.05	369.35 LT	ENHANCED TAXIWAY CENTERLINE & ENHANCED HOLD POSITION MARKING, POSITION POINT
3057	95+71.76	66.99 LT	TAXI CENTERLINE MARKING PT
3058	98+21.76	500.00 LT	RADIUS POINT
3059	98+21.76	0.00 RT	TAXI CENTERLINE MARKING PC
3060	102+16.94	0.00 RT	TAXI CENTERLINE MARKING ENDPOINT
3061	102+99.99	0.00 RT	TAXI CENTERLINE MARKING ENDPOINT
3062	105+90.17	0.00 RT	TAXI CENTERLINE MARKING PC
3063	105+90.17	150.00 RT	RADIUS POINT
3064	105+99.98	0.32 RT	TAXI CENTERLINE MARKING PT
3065	104+59.75	0.00 RT	TAXI CENTERLINE MARKING PC
3066	104+59.75	123.00 LT	RADIUS POINT

MARKING PLAN TABLE			
POINT #	STATION	OFFSET	DESCRIPTION
3067	105+81.69	139.05 LT	TAXI CENTERLINE MARKING PT
3068	105+26.16	0.00 RT	TAXI CENTERLINE MARKING PC
3069	105+26.15	74.98 RT	RADIUS POINT
3070	106+10.98	74.49 RT	TAXI CENTER MARKING PT
* 3082	1110+03.64	100.00 RT	RW EDGE MARKING, ME
* 3083	1122+97.02	100.00 RT	RW EDGE MARKING , ME
* 3085	1110+03.66	0.00 RT	RW CENTERLINE MARKING, ME
* 3086	1111+00.30	0.00 RT	RW CENTERLINE MARKING ENDPOINT
* 3087	1111+88.76	0.00 RT	RW CENTERLINE MARKING ENDPOINT
* 3088	1112+99.80	0.00 RT	RW CENTERLINE MARKING ENDPOINT
* 3089	1113+80.10	0.00 RT	RW CENTERLINE MARKING ENDPOINT
* 3090	1114+99.89	0.00 RT	RW CENTERLINE MARKING ENDPOINT
* 3091	1115+79.76	0.00 RT	RW CENTERLINE MARKING ENDPOINT
* 3092	1117+00.11	0.00 RT	RW CENTERLINE MARKING, ME

* RW 7R–25L CENTERLINE ALIGNMENT

MARKING TABLE NOTES:

1. ALL STATIONS SHOWN ARE BASED ON TW Z ALIGNMENT, UNLESS NOTED OTHERWISE.

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Date Revised:
Layout Name: 1/09/2026, 2:45 PM
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STATE OF ALASKA 49TH
Evan J Griffith III
CE-10003
REGISTERED PROFESSIONAL ENGINEER

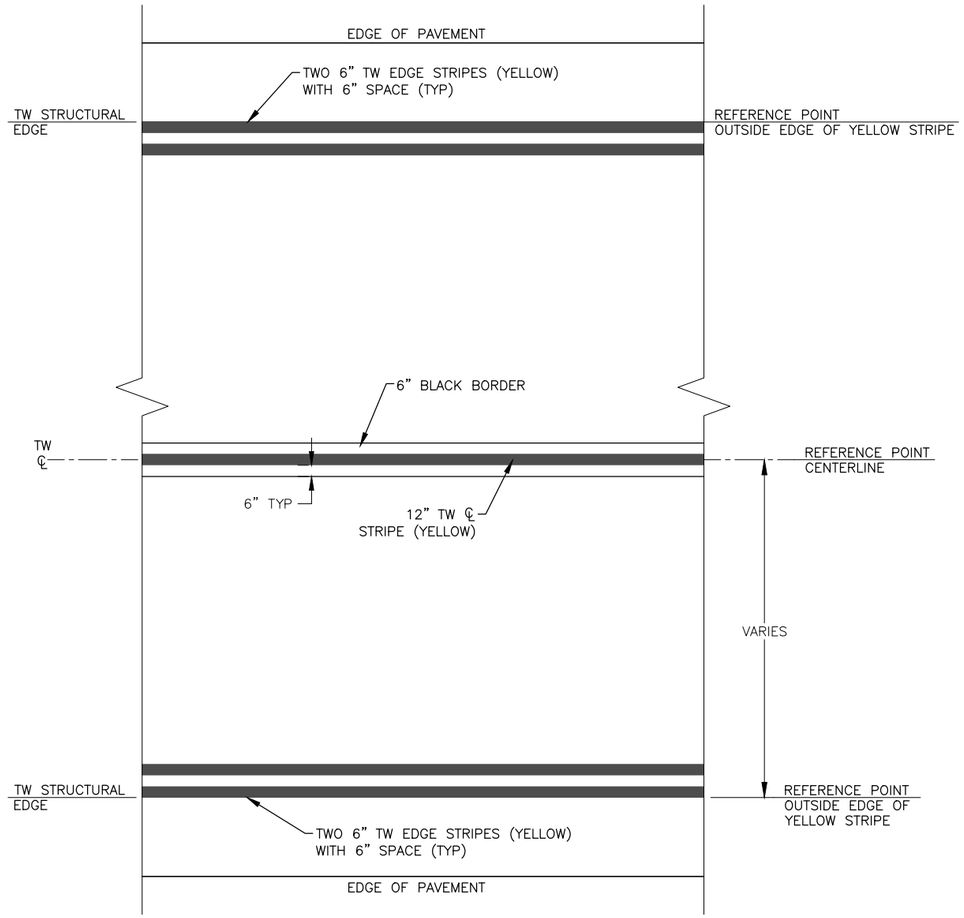
STANTEC CONSULTING SERVICES INC.
3900 C ST SUITE 902
ANCHORAGE, AK 99503-5963
(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
MARKING PLAN AND TABLES

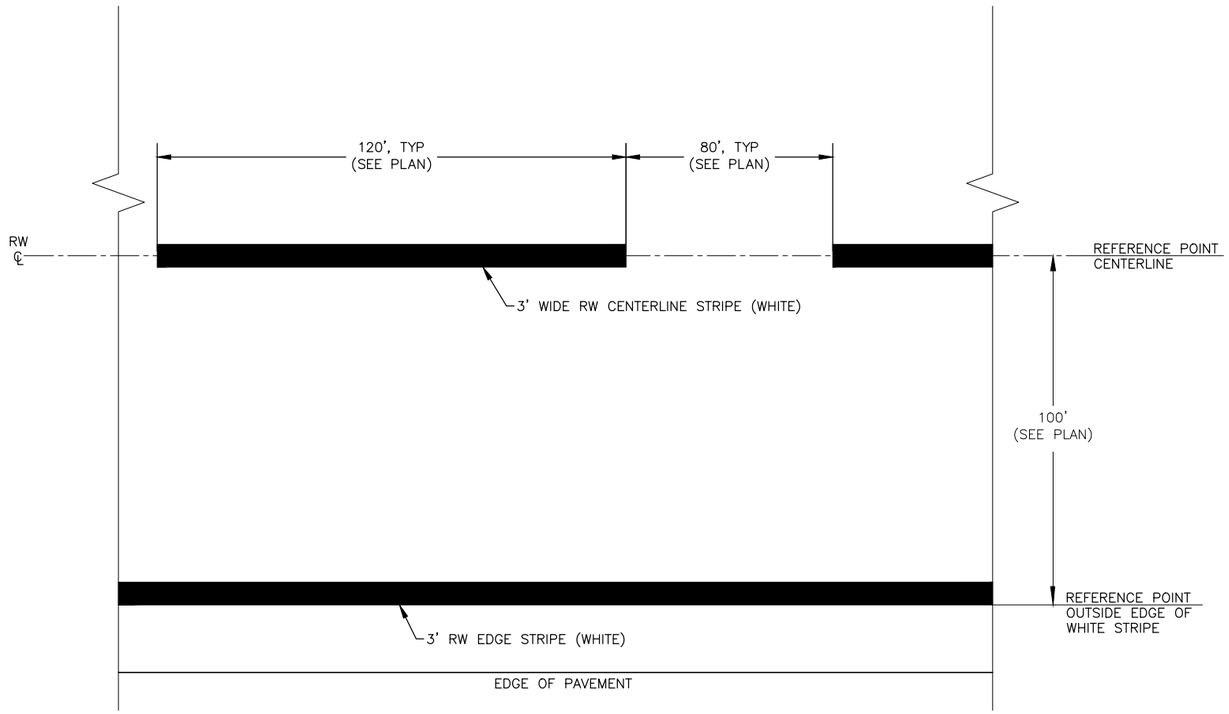
DATE: 01/09/2026
SHEET: 38 OF 41



NOTES:

1. TAXIWAY CENTERLINE STRIPES ARE DIMENSIONED TO CENTERLINE OF STRIPE.
2. GLASS BEADS ARE APPLIED TO ALL MARKINGS EXCEPT THE BLACK OUTLINE.

1/39 TAXIWAY MARKING DETAIL
SCALE: NTS



2/39 RUNWAY MARKING DETAIL
SCALE: NTS

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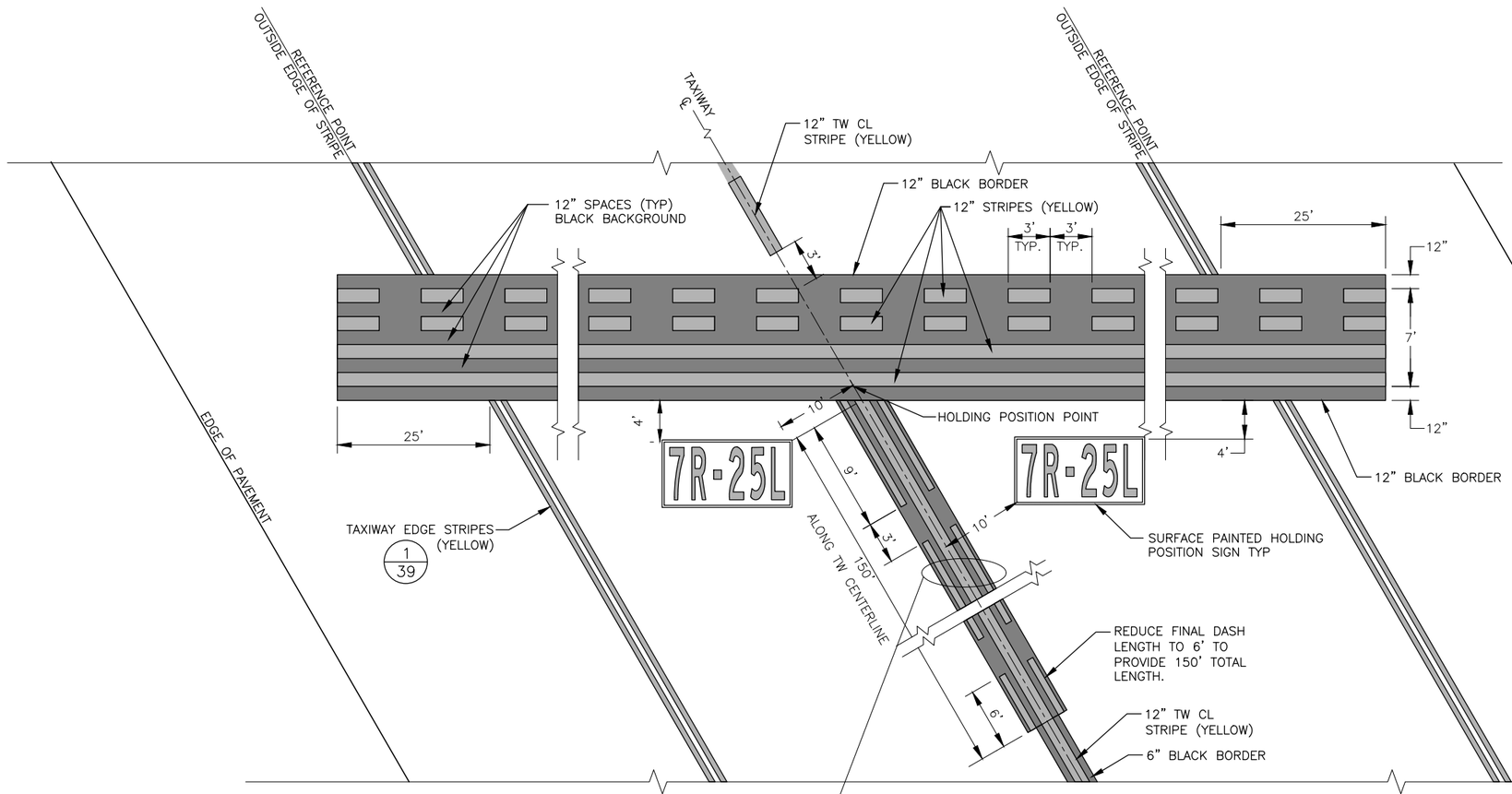
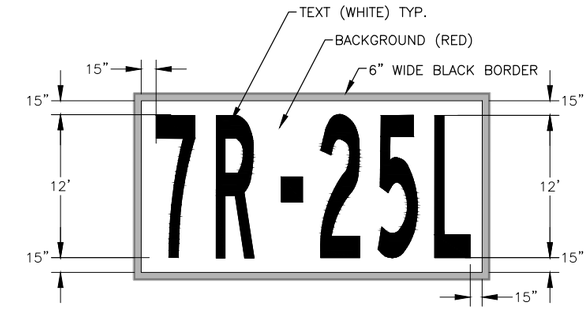
Date Revised: 1/09/2026, 2:45 PM
Layout Name: MARKING DETAILS 2
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-Details.dwg



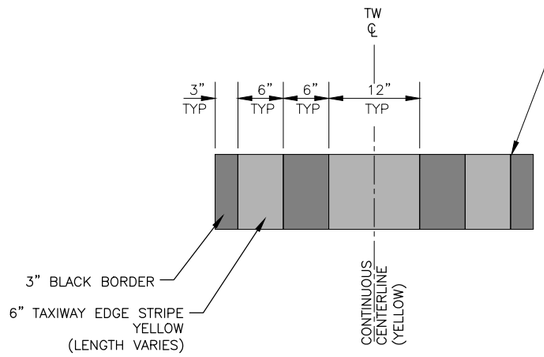


1/40 SURFACE PAINTED HOLDING POSITION SIGN DETAIL

SCALE: NTS

NOTES

1. SURFACE PAINTED HOLDING POSITION SIGN, RED BACKGROUND WHITE NUMBERS PER FAA AC 150/5340-1 APPENDIX B INSCRIPTION CRITERIA
2. SURFACE PAINTED HOLDING POSITION SIGN IS PAID FOR UNDER ITEM P620.020.0000.



2/40 ENHANCED TAXIWAY CENTERLINE & ENHANCED HOLD POSITION MARKING DETAIL

SCALE: NTS

NOTES:

1. RUNWAY HOLD POSITION MARKINGS ARE LAID OUT PARALLEL WITH RUNWAY CENTERLINE.
2. GLASS BEADS ARE APPLIED TO ALL ENHANCED MARKINGS EXCEPT THE BLACK OUTLINE.

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PROJECT No. CFAPT00929
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MARKING DETAILS

DATE: 01/09/2026
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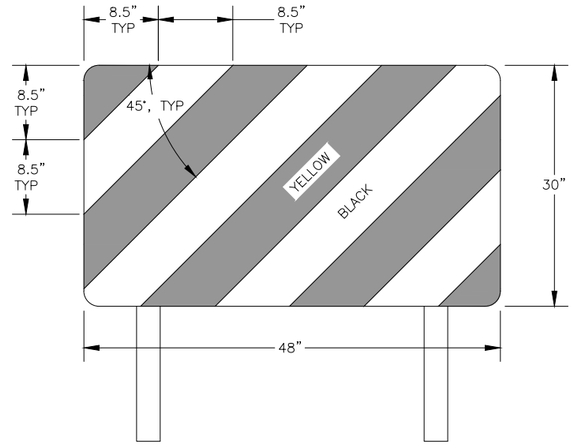

NOTES:

1. TAXIWAY ENDING MARKER SIGNS SHALL HAVE YELLOW, 45 DEGREE DIAGONAL STRIPES ON A BLACK BACKGROUND.
2. SEE SIGN SUMMARY FOR MOUNT POST SIZE/TYPE.

1/41 TAXIWAY ENDING MARKER DETAIL

SCALE: NTS

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AIP No. 3-02-0016-XXX-2026
SIGN DETAILS

DATE: 01/09/2026

SHEET: 41 OF 41

DEMOLITION NOTES:

1. REMOVE LIGHTS AND SIGNS AS INDICATED ON DEMOLITION PLANS. REMOVAL INCLUDES ALL ASSOCIATED CONDUIT, CONDUCTORS, LIGHT BASES, TRANSFORMERS, CONTROLLERS, DRAIN CONDUITS, FOUNDATIONS, AND CONCRETE, UNLESS OTHERWISE INDICATED. OFFER ALL REMOVED LIGHTS, SIGNS, TRANSFORMERS, AND CONTROLLERS IN SERVICEABLE CONDITION TO AIRPORT MAINTENANCE. DELIVER ALL REMOVED CONDUCTORS TO A DUMPSTER PROVIDED BY AIRPORT MAINTENANCE FOR DISPOSAL. DISPOSAL OF LIGHTING EQUIPMENT DEEMED NON-SALVAGABLE BY AIRPORT MAINTENANCE AND REMOVED CONDUIT, LIGHT BASES, CONCRETE, AND OTHER MATERIAL IS THE RESPONSIBILITY OF THE CONTRACTOR. DISPOSE OF MATERIAL AT AN APPROVED SITE OFF OF AIRPORT PROPERTY IN ACCORDANCE WITH FEDERAL AND STATE REGULATIONS. DISPOSAL COSTS ARE SUBSIDIARY TO THE CONTRACT.

2. REMOVE ALL UNUSED AND DECOMMISSIONED CONDUCTORS FROM DUCT BANKS UNLESS OTHERWISE INDICATED. THIS WORK IS SUBSIDIARY TO L108 ITEMS AND NO SEPARATE PAYMENT WILL BE MADE.

3. WHEN REMOVING CONDUCTORS FROM EXISTING CONDUIT TO REMAIN, INSTALL A PULL ROPE FOR FUTURE USE PER SPECIFICATION L-108.

4. CONDUITS SHOWN TO BE REMOVED THAT WILL NOT BE DISTURBED BY EXCAVATION ASSOCIATED WITH THIS PROJECT MAY BE ABANDONED IN PLACE UNLESS OTHERWISE DIRECTED BY THE ENGINEER. REMOVE ALL CONDUCTORS FROM ABANDONED CONDUITS. REMOVE ALL LIGHT BASES UNLESS OTHERWISE INDICATED.

5. REMOVAL OF EXISTING LIGHTED SIGNS IS SUBSIDIARY TO INSTALLATION OF NEW SIGNS.

LIGHTING NOTES:

1. COORDINATE ALL LIGHTING OUTAGES CAUSED BY DISCONNECTIONS, CIRCUIT CHANGES, OR OTHER WORK WITH THE PROJECT ENGINEER PER GCP 50 AND GCP 80. SCHEDULE INSTALLATION OF CONDUCTORS AND OTHER EQUIPMENT TO MINIMIZE QUANTITY AND DURATION OF OUTAGES. PROVIDE A MINIMUM OF 48 HOURS NOTICE FOR REQUIRED LOCKOUTS TO ALLOW AIRPORT MAINTENANCE TO ENSURE PERSONNEL ARE AVAILABLE.

2. LIGHTING CIRCUITS ON OPERATIONAL AREAS THAT HAVE BEEN LOCKED OUT FOR CONSTRUCTION MUST BE RETURNED TO ATCT CONTROL NO LATER THAN TWO HOURS BEFORE SUNSET AS POSTED BY THE UNITED STATES NAVAL OBSERVATORY.

3. REGULATORS R-4, T-4, T-16, T-24, AND T-31 ARE EXISTING TO REMAIN, FERRORESONANT ADB SWITCHGEAR REGULATORS. PROVIDE NEW REGULATORS FOR CIRCUITS T-6, T-10, AND T-25. SEE SHEET E18 FOR ADDITIONAL INFORMATION. COORDINATE ALL WORK IN THE REGULATOR VAULT WITH AIRPORT MAINTENANCE.

4. EXISTING DUCT BANKS AND UNDERGROUND UTILITIES TO REMAIN MUST BE PROTECTED AND REMAIN IN SERVICE DURING CONSTRUCTION UNLESS OTHERWISE INDICATED.

5. ALL AIRFIELD LIGHTING CONDUCTORS MUST BE FAA TYPE C. RUNWAY (R-) CIRCUIT CONDUCTORS MUST BE 6 AWG. TAXIWAY (T-) CIRCUIT CONDUCTORS MUST BE 8 AWG. COLOR-CODE CONDUCTOR INSULATION BASED ON FUNCTION. SEE SPECIFICATION L-108 FOR MORE INFORMATION.
   - EDGE LIGHTING, SEE DETAIL 3/E12
     - POWER FEED: BLACK
     - RETURN/LOOP: RED
   - CENTERLINE LIGHTING, SEE DETAIL 1/E12
     - POWER FEED, PRIMARY: BLACK
     - POWER FEED, LOW-VIS SECONDARY: BLUE
     - RETURN/LOOP, PRIMARY: RED
     - RETURN/LOOP, LOW-VIS SECONDARY: YELLOW
   - RUNWAY GUARD LIGHTING, SEE DETAIL 2/E12
     - POWER FEED: BLACK
     - RETURN/LOOP: RED

6. INSTALL A #6 BARE COPPER GROUNDING CONDUCTOR WITH ALL LIGHTING AND SIGN CIRCUIT CONDUCTORS.

7. WHEN DRILLING HOLES IN EXISTING LIGHT BASES TO ADD CONDUIT ENTRIES, APPLY COLD GALVANIZING OR SIMILAR CORROSION PROTECTION TO BARE METAL AFTER DRILLING BEFORE INSTALLING RUBBER GROMMET.

8. COORDINATE ALL WORK AFFECTING THE FAA FIBER OPTIC DUCTBANKS WITH FAA THROUGH THE ENGINEER. DO NOT PROCEED WITH WORK AFFECTING THE FIBER OPTIC LINES WITHOUT PRIOR WRITTEN APPROVAL.

SHEET NOTES: (X) (APPLY TO PLAN SHEETS E2-E8)

1. REMOVE CONDUCTORS TO EXISTING LIGHT BASE OR MANHOLE TO REMAIN. REMOVE CONDUIT TO EXISTING LIGHT BASE OR MANHOLE OR AS FAR AS REQUIRED FOR EXCAVATION OF CURRENT PROJECT AND INSTALLATION OF NEW COUPLING TO NEW CONDUIT. PLUG AND PROTECT EXISTING CONDUIT OR LIGHT BASE CONDUIT HUB DURING EXCAVATION. SEE SHEET NOTE 2 FOR CONNECTION OF NEW WORK.

2. CONNECT NEW CONDUIT TO EXISTING CONDUIT OR LIGHT BASE. INSTALL NEW CONDUCTORS AND CONNECT TO EXISTING WIRING AND TRANSFORMER IN EXISTING LIGHT BASE. WIRING CONNECTIONS ARE SUBSIDIARY TO L108 ITEMS.

3. NEW DRYWELL, SEE DETAIL 5/E17. PROVIDE DRAIN CONDUIT(S) FROM LIGHT BASES AS INDICATED. SLOPE CONDUITS TO DRAIN TO DRYWELL. LOCATION OF DRAIN CONDUIT(S) AND DRYWELL MAY BE FIELD ADJUSTED BY THE ENGINEER.

4. CONNECT TO EXISTING CIRCUIT T-31 HOMERUN IN EMH-21B. INSTALL NEW CIRCUITS T-6, T-10, AND T-25 HOMERUNS FROM EMH-21B TO REGULATOR VAULT THROUGH EXISTING DUCTBANK AND MANHOLES, APPROXIMATELY 7400' THROUGH 19 MANHOLES.

5. STUB CONDUIT OUT TO PROJECT LIMITS AND CAP FOR FUTURE EXTENSION. NOTE SURVEYED LOCATIONS ON ASBUILT DRAWINGS.

6. ROTATE SEMI-FLUSH RUNWAY GUARD LIGHT FIXTURES BY 60 DEGREES WHEN INSTALLING TO MORE CLOSELY ALIGN WITH TAXIWAY CENTERLINE.

7. VERIFY DEPTH TO BOTTOM SECTION OF 'X' FIXTURES AND ADJUST MILLING DEPTH AROUND FIXTURES TO ENSURE BOTTOM SECTIONS ARE NOT DAMAGED BY MILLING OF ASPHALT. CORE DRILL ASPHALT AND P-606 SEALANT PRIOR TO TOP SECTION REMOVAL TO PREVENT DAMAGE TO ASPHALT. AS-BUILT TOP SECTION, SPACER RING, AND FLANGE RING THICKNESSES PRIOR TO REMOVAL AND PROVIDE DATA TO THE ENGINEER.

8. SPLICE TO EXISTING FIBER OPTIC CABLE IN EXISTING MANHOLE. SEE SHEET E19.

9. ASPHALT TO BE MILLED AND REPLACED TO ALLOW INSTALLATION OF NEW LIGHT BASES AND CONDUIT. LIGHT BASES AND CONDUIT SHALL BE CUT INTO BASE MATERIAL AFTER MILLING OF PAVEMENT. SEE DETAILS 3/24 AND 1/E17.

10. CONNECT NEW CONDUIT TO EXISTING CAPPED CONDUIT STUBS INSTALLED DURING PREVIOUS TAXIWAY Z PROJECT.

11. EXISTING COMMUNICATION DUCTBANKS SHALL REMAIN IN SERVICE UNTIL NEW DUCTBANKS AND CABLES ARE INSTALLED. SEE DETAIL 1/E19. PROVIDE PROTECTION AND TEMPORARY SUPPORT AS REQUIRED WHEN EXCAVATING NEAR EXISTING DUCTBANKS. AFTER REMOVAL OF ACTIVE CABLES, MANHOLES SHALL BE REMOVED AND BACKFILLED. DUCTBANKS MAY BE ABANDONED IN PLACE WHERE NOT DISTURBED BY EXCAVATION ASSOCIATED WITH THIS PROJECT. NOTE LOCATION OF ABANDONED DUCTBANKS ON RECORD DRAWINGS.

12. STAKE CENTER POINT OF CURVE FOR EDGE OR CENTERLINE LIGHTS.

13. APPROXIMATE LOCATION OF NEW SURFACE SENSOR, PLACE 25FT FROM TAXIWAY CENTERLINE. INSTALL 1" RIGID STEEL CONDUIT AND INTEGRAL SENSOR LEAD CABLE FROM SURFACE SENSOR TO HANDHOLE. SEE DETAIL 2/E19. SPLICE TO SENSOR EXTENSION CABLE IN HANDHOLE AND EXTEND TO EXISTING RPU-6 IN CONDUIT AS SHOWN. ALL LABOR AND MATERIALS ASSOCIATED WITH INSTALLATION OF SENSOR SYSTEM ARE SUBSIDIARY TO ITEM L130.010.0000, INCLUDING SENSOR, CONDUIT, CABLE, HANDHOLES, AND RPU CONNECTION.

14. SEE DETAIL 3/E19 FOR INSTALLATION OF SENSOR EXTENSION CABLE THROUGH THE MANHOLE AND DUCTBANK.

15. PROVIDE DRAIN CONDUIT(S) FROM LIGHT BASES AND MANHOLES TO STORM DRAIN STRUCTURE AS INDICATED. SLOPE CONDUITS TO DRAIN TO STORM DRAIN. LOCATION OF DRAIN CONDUIT(S) MAY BE FIELD ADJUSTED BY THE ENGINEER. CORE DRILL STORM DRAIN STRUCTURE FOR CONDUIT ENTRY AND GROUT INSIDE AND OUT TO MAKE PENETRATION WATERTIGHT. TERMINATE CONDUIT WITH RUBBER BLACKFLOW PREVENTER INSIDE STRUCTURE. CONDUIT ENTRY INTO STORM DRAIN STRUCTURE IS PAID FOR UNDER L110.240.0000.

16. INSTALL NEW FIXTURES AND TRANSFORMERS ON/IN EXISTING LIGHT BASES. CONNECT TO EXISTING CIRCUIT CONDUCTORS IN EXISTING LIGHT BASE. COORDINATE AND SCHEDULE CIRCUIT OUTAGE TO ALLOW INSTALLATION OF TRANSFORMERS AND FIXTURES.

17. SAW CUT AND PATCH EXISTING SHOULDER PAVEMENT AS REQUIRED TO ALLOW INSTALLATION OF NEW CONDUIT. SEE TYPICAL SECTION 1/16 FOR SHOULDER PAVEMENT CONSTRUCTION.

ELECTRICAL PLAN LEGEND

EXISTING TO REMAIN (DEMO/NEW PLANS)	DEMOLITION (DEMO PLANS)	NEW WORK (NEW PLANS)	
			EXISTING LIGHT
			EXISTING LIGHT TO BE MODIFIED, SEE NOTES AND/OR SCHEDULES FOR WORK TO BE PERFORMED
			RUNWAY EDGE LIGHT, OMNI-DIRECTIONAL
			RUNWAY EDGE LIGHT, BI-DIRECTIONAL
			FLUSH RUNWAY EDGE LIGHT, BI-DIRECTIONAL
			FLUSH RUNWAY EDGE LIGHT, BI-DIRECTIONAL, 2-COLOR
			TAXIWAY EDGE LIGHT, OMNI-DIRECTIONAL
			FLUSH TAXIWAY EDGE LIGHT, OMNI-DIRECTIONAL
			FLUSH CENTERLINE LIGHT, UNI- OR BI-DIRECTIONAL
			FLUSH CENTERLINE LIGHT, OMNI-DIRECTIONAL
			FLUSH RUNWAY GUARD LIGHT, UNI-DIRECTIONAL
			ELEVATED RUNWAY GUARD LIGHT
			LIGHTED AIRPORT SIGN
			SERIES LIGHTING CIRCUIT, TICK MARKS INDICATE NUMBER OF 5KV SERIES CONDUCTORS IN CONDUIT (2 SHOWN), INCLUDE GROUND CONDUCTOR (NOT SHOWN), TICK MARKS NOT SHOWN ON SHORT SEGMENTS OR IN CONGESTED AREAS FOR CLARITY
			EXISTING ELECTRICAL CONDUIT
			HDPE CONDUIT
			CONCRETE ENCASED HDPE CONDUIT
			GROUND ROD, 3/4"x10' TYPICAL
			L-867/L-868 HANDHOLE, TYPE I (LIGHT BASE WITH BLANK COVER), UNLESS OTHERWISE INDICATED
			SURFACE SENSOR
			DRYWELL
			STORM DRAIN MANHOLE OR CATCH BASIN
			ELECTRICAL MANHOLE
			COMMUNICATIONS MANHOLE
			ELECTRICAL TYPE II JUNCTION BOX
			COMMUNICATIONS TYPE II JUNCTION BOX
			DUCT BANK, USE/TYPE AS SHOWN
			PRIMARY UNDERGROUND ELECTRICAL LINE
			UNDERGROUND COMMUNICATIONS LINE
			TEMPORARY JUMPER
			SURFACE/WEATHER SENSOR SYSTEM RPU

ALCMS	AIRPORT LIGHTING CONTROL AND MONITORING SYSTEM
ATCT	AIR TRAFFIC CONTROL TOWER
BC	BARE COPPER
BOP	BEGINNING OF PROJECT
C	CONDUIT
CEA	CHUGACH ELECTRIC ASSOCIATION
ø DIA	DIAMETER
EOP	END OF PROJECT
EMH	ELECTRICAL MANHOLE
EMT	ELECTRICAL METALLIC TUBING
FAA	FEDERAL AVIATION ADMINISTRATION
GRD	GROUND
HDPE	HIGH DENSITY POLYETHYLENE
HMA	HOT MIX ASPHALT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
LFNC	LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
PAPI	PRECISION APPROACH PATH INDICATOR
PPE	PERSONAL PROTECTIVE EQUIPMENT
PVC	POLYVINYL CHLORIDE
RMC	RIGID METALLIC CONDUIT (GALVANIZED STEEL)
RPU	REMOTE PROCESSING UNIT
SS	STAINLESS STEEL
TP	TEST POINT
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
T-1(P,R)	TAXIWAY CIRCUIT NUMBER, LETTERS IN PARENTHESIS INDICATES CONDUCTORS INCLUDED (P=POWER FEED, R=RETURN, L=LOOP), NO PARENTHESIS INDICATES ONE POWER FEED CONDUCTOR ONLY
R-1(P,R)	RUNWAY CIRCUIT NUMBER, LETTERS IN PARENTHESIS INDICATES CONDUCTORS INCLUDED (P=POWER FEED, R=RETURN, L=LOOP), NO PARENTHESIS INDICATES ONE POWER FEED CONDUCTOR ONLY
FD	FEED DIRECTION OF LIGHTING CIRCUIT

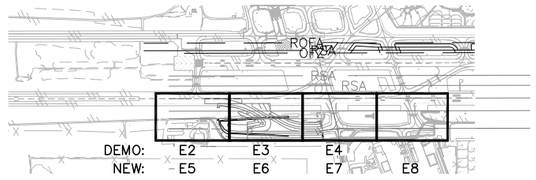
EQUIPMENT NUMBER, SEE SCHEDULES ON SHEETS E20-E22

DX	DEMOLITION ITEM
CX	TAXIWAY CENTERLINE LIGHT
EX	TAXIWAY EDGE LIGHT
HX	RUNWAY GUARD LIGHT
RX	RUNWAY EDGE LIGHT
JBX	JUNCTION BOX
HHX	HANDHOLE
MHX	MANHOLE
SX	LIGHTED SIGN
XX	EXISTING LIGHT

(X) REFERENCE TO SHEET NOTE

LIGHT COLORS AND DISTRIBUTIONS

B	BLUE
Y	YELLOW
G	GREEN
R	RED
W	WHITE
O	OBSCURED
BI	BI-DIRECTIONAL
UNI	UNI-DIRECTIONAL
OMNI	OMNI-DIRECTIONAL



KEYPLAN

STATE OF ALASKA 49TH
LUCAS SCHNELLER
EE-11399
REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
3900 C ST SUITE 902
ANCHORAGE, AK 99503-5963
(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL LEGEND AND NOTES

DATE: 01/06/2026

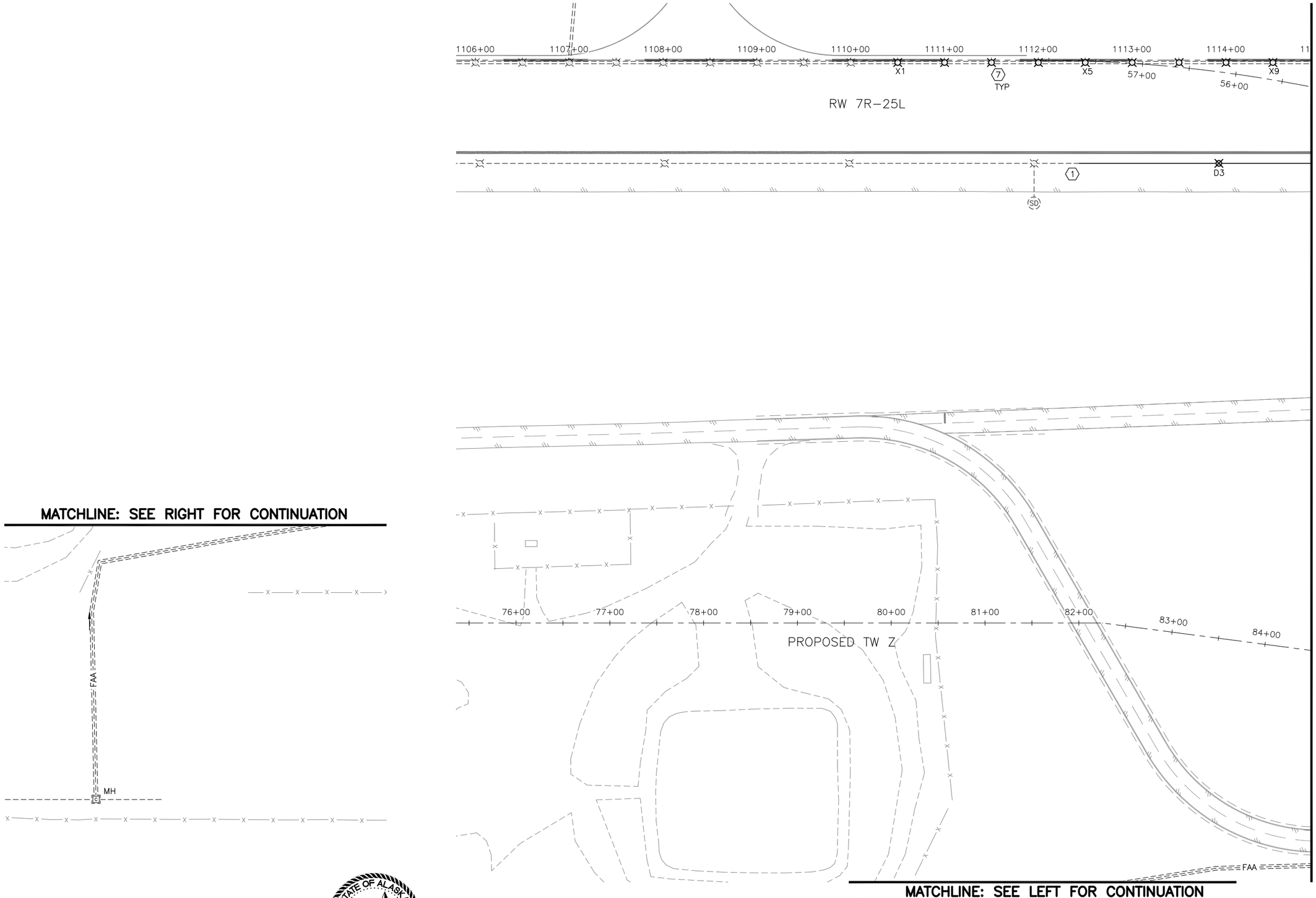
SHEET: E1 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

Date Revised:
Layout Name: Layout1
File Path and Name: U:\207301691O\drawing\e\sheets\00929-ANC-E01-LEGEND.dwg
1/06/2026, 4:36 PM

Designed By:	LPS
Drawn By:	JCA/LPS
Checked By:	HAB

Date Revised:	1/06/2026, 4:37 PM
Layout Name:	1
File Path and Name:	U:\20730169101\drawing\e\sheets\00929-ANC-E02-E04-PLAN-DEMO.dwg



STATE OF ALASKA
49 TH
LUCAS SCHNELLER
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REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
3900 C ST SUITE 902
ANCHORAGE, AK 99503-5963
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#126386

BY	DATE	REVISION

STATE OF ALASKA
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TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DEMOLITION PLAN

DATE: 01/06/2026

SHEET: E2 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

Date Revised: 1/06/2026, 4:37 PM
Layout Name: 2
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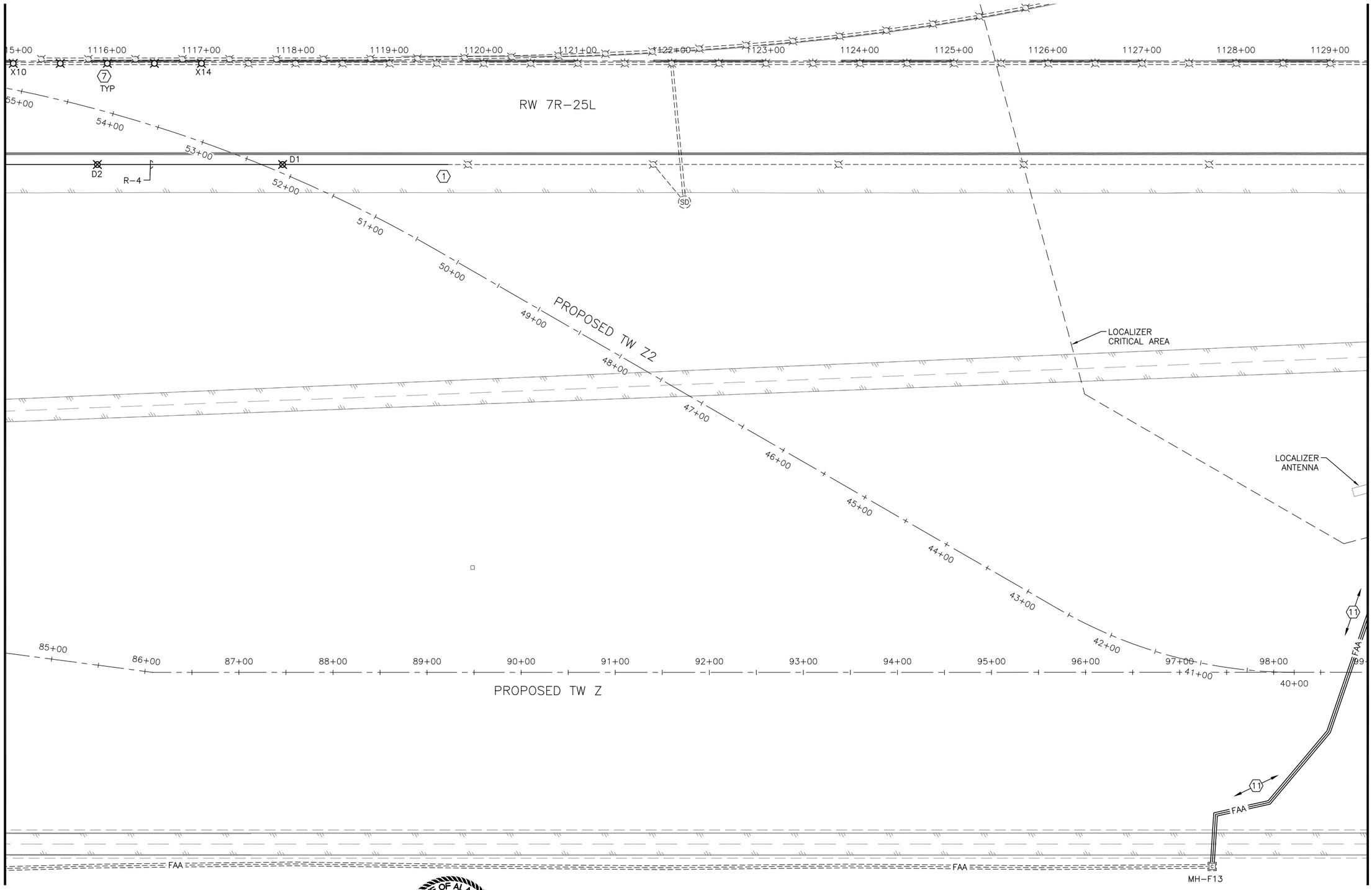

50' 25' 0 50' 100'
SCALE

STATE OF ALASKA
49 TH
LUCAS SCHNELLER
EE-11399
REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
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BY	DATE	REVISION

STATE OF ALASKA
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TED STEVENS ANCHORAGE INT'L AIRPORT
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ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DEMOLITION PLAN

DATE: 01/06/2026

SHEET: E3 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

Date Revised: 1/06/2026, 4:37 PM
Layout Name: 3
File Path and Name: U:\2073016910\drawing\e\sheets\00929-ANC-E02-E04-PLAN-DEMO.dwg

1130+00 1131+00 1132+00 1133+00 1134+00 1135+00 1136+00 1137+00 1138+00 1139+00 1140+00 1141+00 1142+00 1143+00

RW 7R-25L

EMH-21B

EMH-21A

LOCALIZER CRITICAL AREA

LOCALIZER ANTENNA

LOCALIZER ENCLOSURE

TW R

T-16,24

T-4

MH-F10

CMH-8

FAA

EMH-21D

EMH-21C

MATCH LINE STA. 99+00
SHEET E3

100+00 101+00 102+00 103+00 104+00 106+00 107+00 108+00 109+00 110+00 111+00 112+00 113+00

PROPOSED TW Z

TW Z

T-16,24

T-4

50' 25' 0 50' 100'
SCALE

STATE OF ALASKA 49TH
LUCAS SCHNELLER EE-11399
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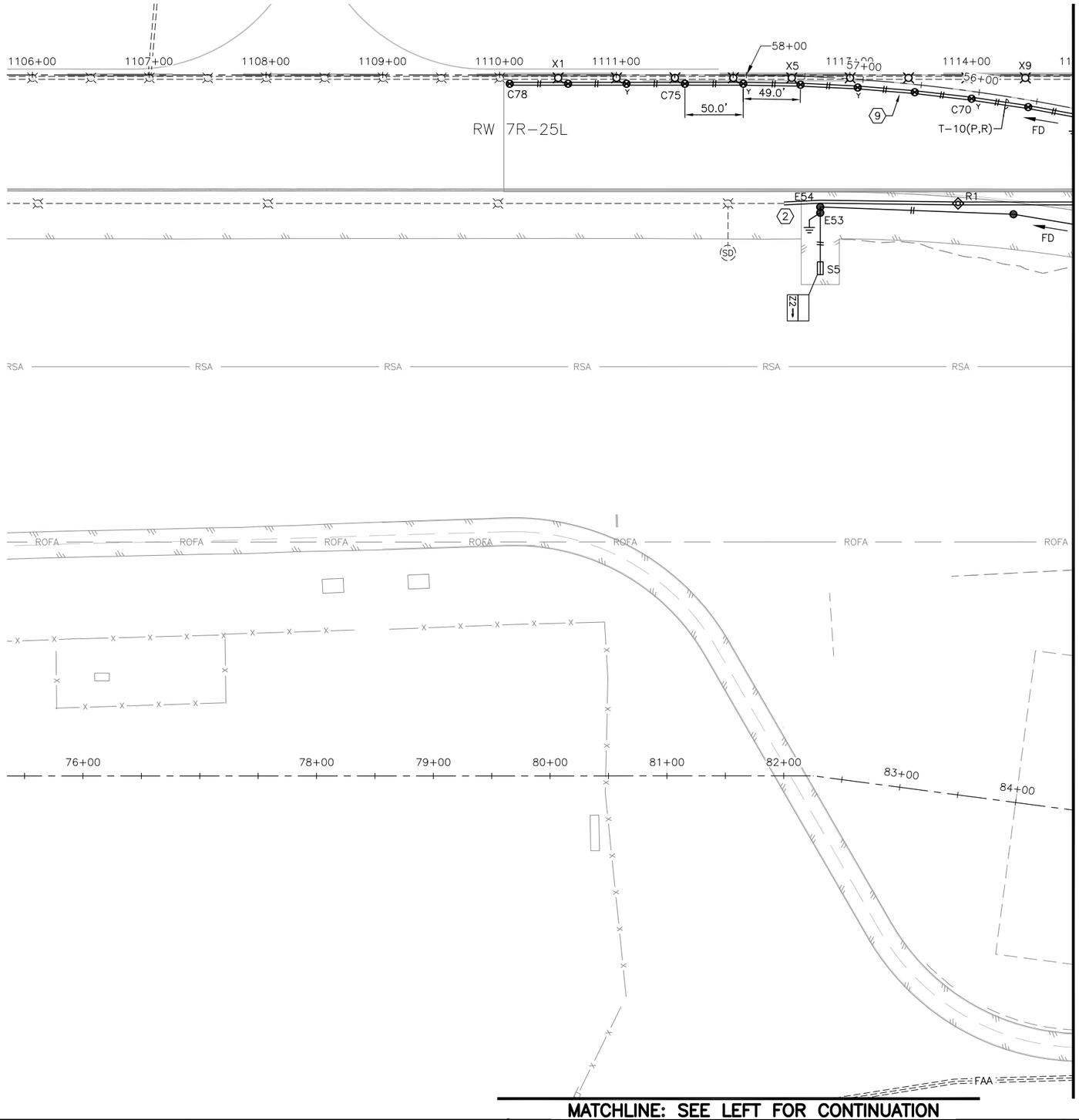
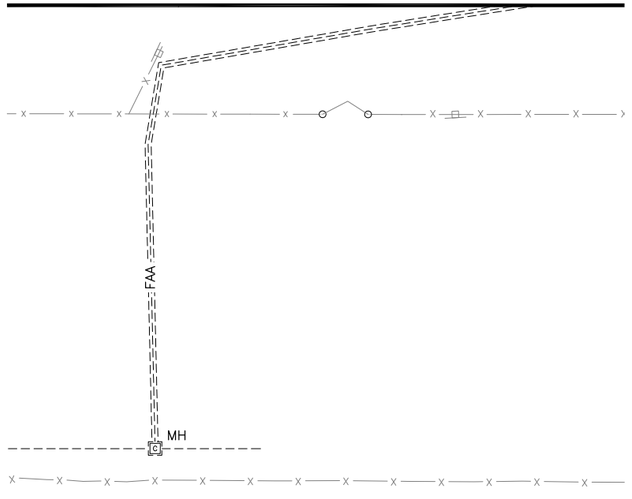
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DEMOLITION PLAN

DATE: 01/06/2026

SHEET: E4 OF E22



MATCHLINE: SEE RIGHT FOR CONTINUATION



50' 25' 0 50' 100'
SCALE

STATE OF ALASKA
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PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL NEW WORK PLAN

DATE: 01/06/2026

SHEET: E5 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

Date Revised: 1/06/2026, 4:40 PM
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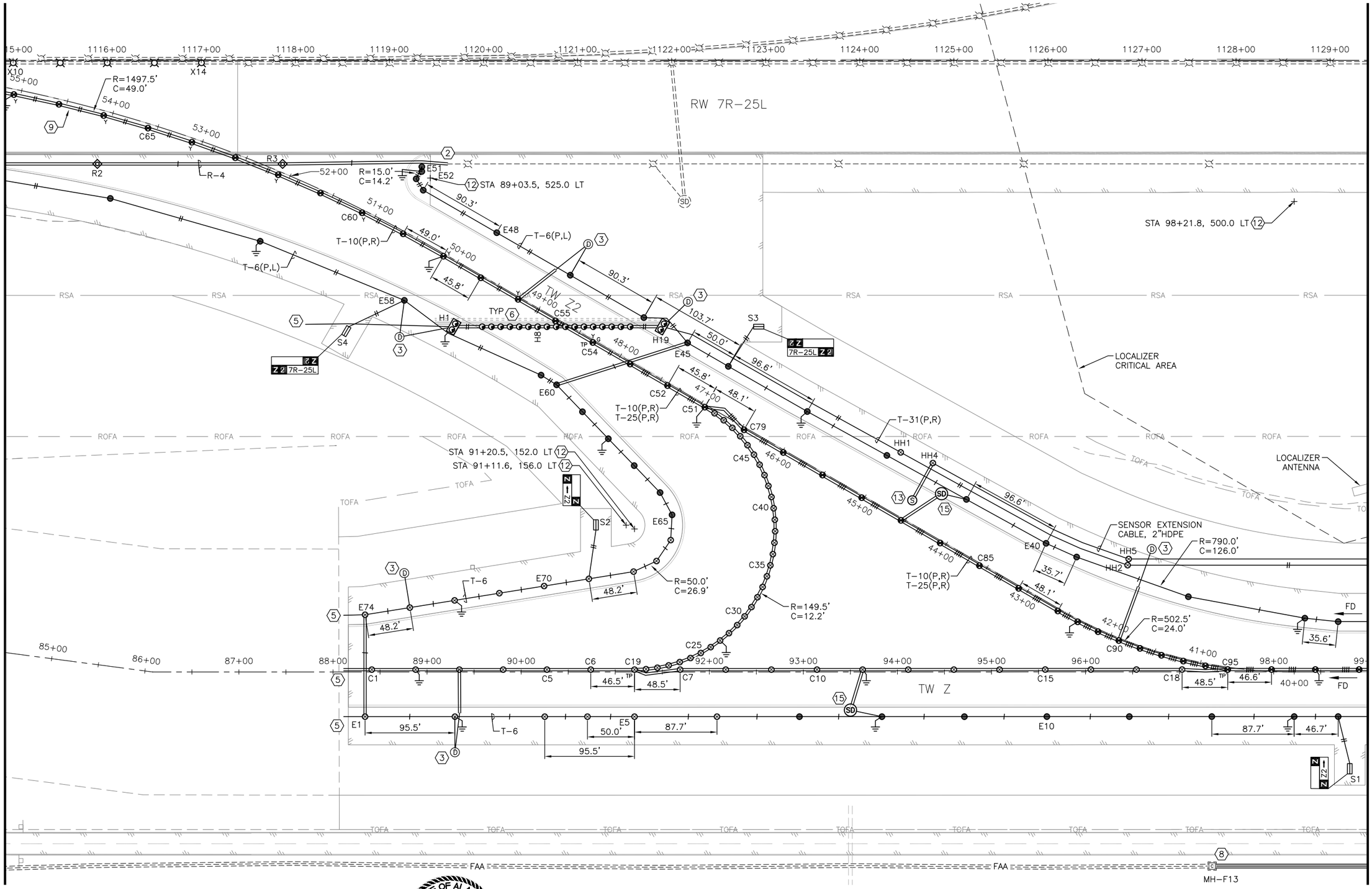
File Path and Name: U:\207301691O\drawing\e\sheets\00929-ANC-E05-E07-PLAN-NEW.dwg

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

Date Revised: 1/06/2026, 4:40 PM
Layout Name: 2
File Path and Name: U:\20730169101\drawing\e\sheets\00929-ANC-E05-E07-PLAN-NEW.dwg



50' 25' 0 50' 100'
SCALE

STATE OF ALASKA
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BY	DATE	REVISION

STATE OF ALASKA
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AND PUBLIC FACILITIES
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ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL NEW WORK PLAN

DATE: 01/06/2026

SHEET: E6 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

Date Revised: 1/06/2026, 4:40 PM
Layout Name: 3
File Path and Name: U:\20730169\0\drawing\e\sheets\00929-ANC-E05-E07-PLAN-NEW.dwg

1130+00 1131+00 1132+00 1133+00 1134+00 1135+00 1136+00 1137+00 1138+00 1139+00 1140+00 1141+00 1142+00 1143+00

RW 7R-25L

MATCH LINE STA. 99+00
SHEET E6

MATCH LINE STA. 113+50
SHEET E8

RSA RSA RSA RSA RSA RSA RSA RSA

ROFA ROFA ROFA

TOFA TOFA TOFA TOFA

LOCALIZER CRITICAL AREA

LOCALIZER ANTENNA

LOCALIZER ENCLOSURE

SENSOR EXTENSION CABLE, 2"HDPE

NEW SENSOR EXTENSION CABLE, EXISTING 2"HDPE

NEW SENSOR EXTENSION CABLE, EXISTING DUCTBANK

EMH-21B

EMH-21C

EMH-21D

MH-F10

MH-F12

CMH-8

FAA

TW R

TW Z

T-6(P,R)
T-10(P,R)
T-25(P,R)

T-31(P,R)
T-6(P,R)
T-10(P,R)
T-25(P,R)

T-10(P,L)
T-25(P,L)

T-16
T-24

T-4

T-6

S6 S7 S8

E15 E18 E20 E21 E25 E26 E29 E30 E33 E35

C100 C105 C107 C109 C110 C111 C112 C113 C114 C120 C125 C131 C132 C135 C141

HH6 HH3

161.1' 50.0' 34.0' 34.0' 16.0' 46.6' 51.4' 33.9' 29.3'

FD TYP

SCALE 50' 25' 0 50' 100'

STATE OF ALASKA 49TH
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CERTIFICATION OF AUTHORIZATION #126386

BY	DATE	REVISION

STATE OF ALASKA
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4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL NEW WORK PLAN

DATE: 01/06/2026
SHEET: E7 OF E22

Designed By:	LPS
Drawn By:	JCA/LPS
Checked By:	HAB

Date Revised:	1/06/2026, 4:40 PM
Layout Name:	3A
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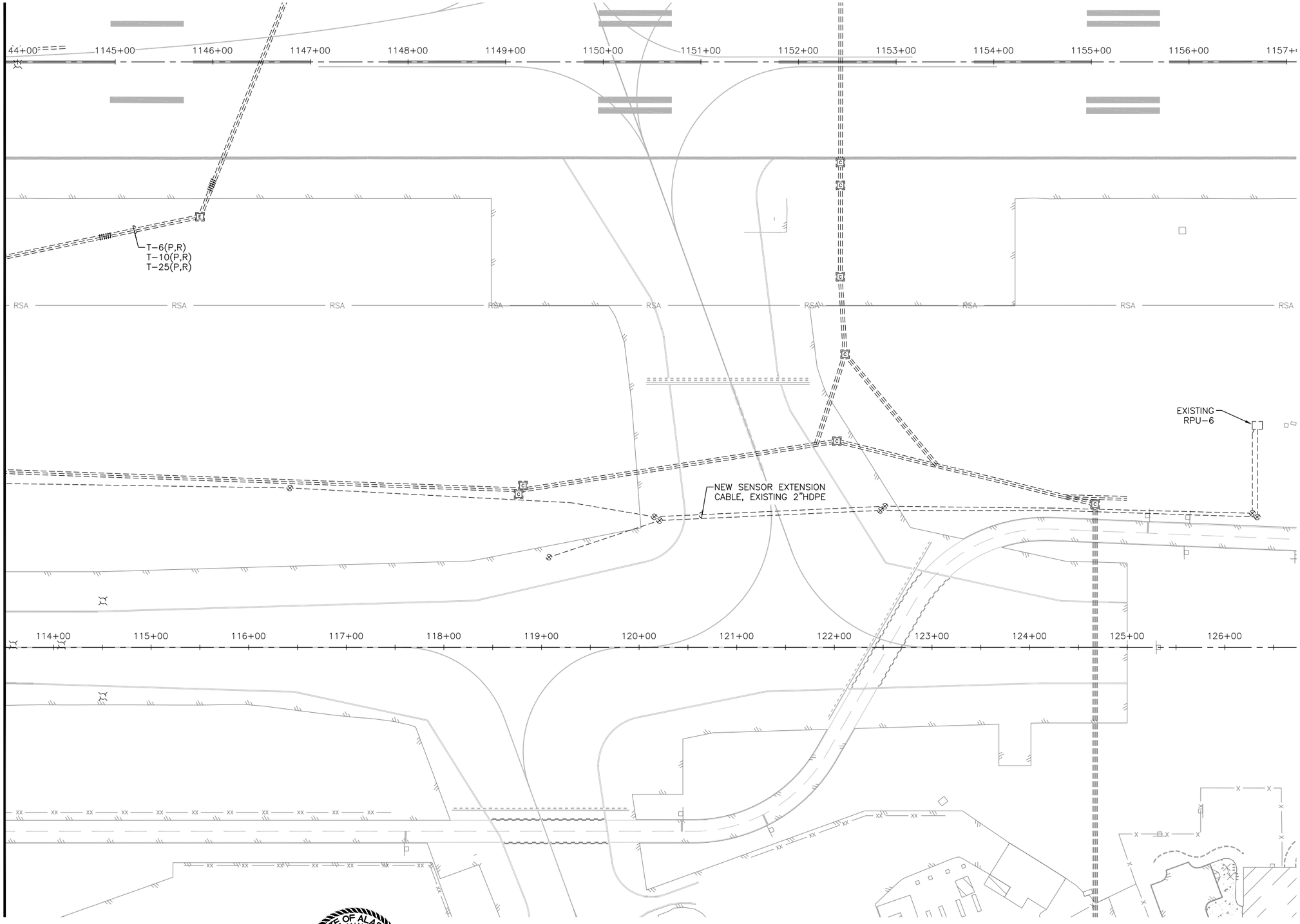

MATCH LINE STA. 113+50
SHEET E7

50' 25' 0 50' 100'
SCALE

STATE OF ALASKA 49 TH
LUCAS SCHNELLER
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REGISTERED PROFESSIONAL ENGINEER

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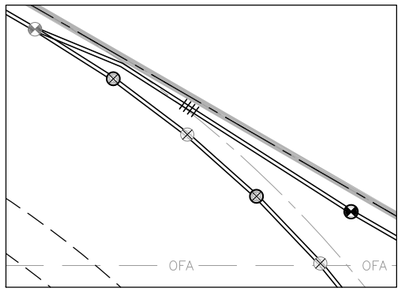
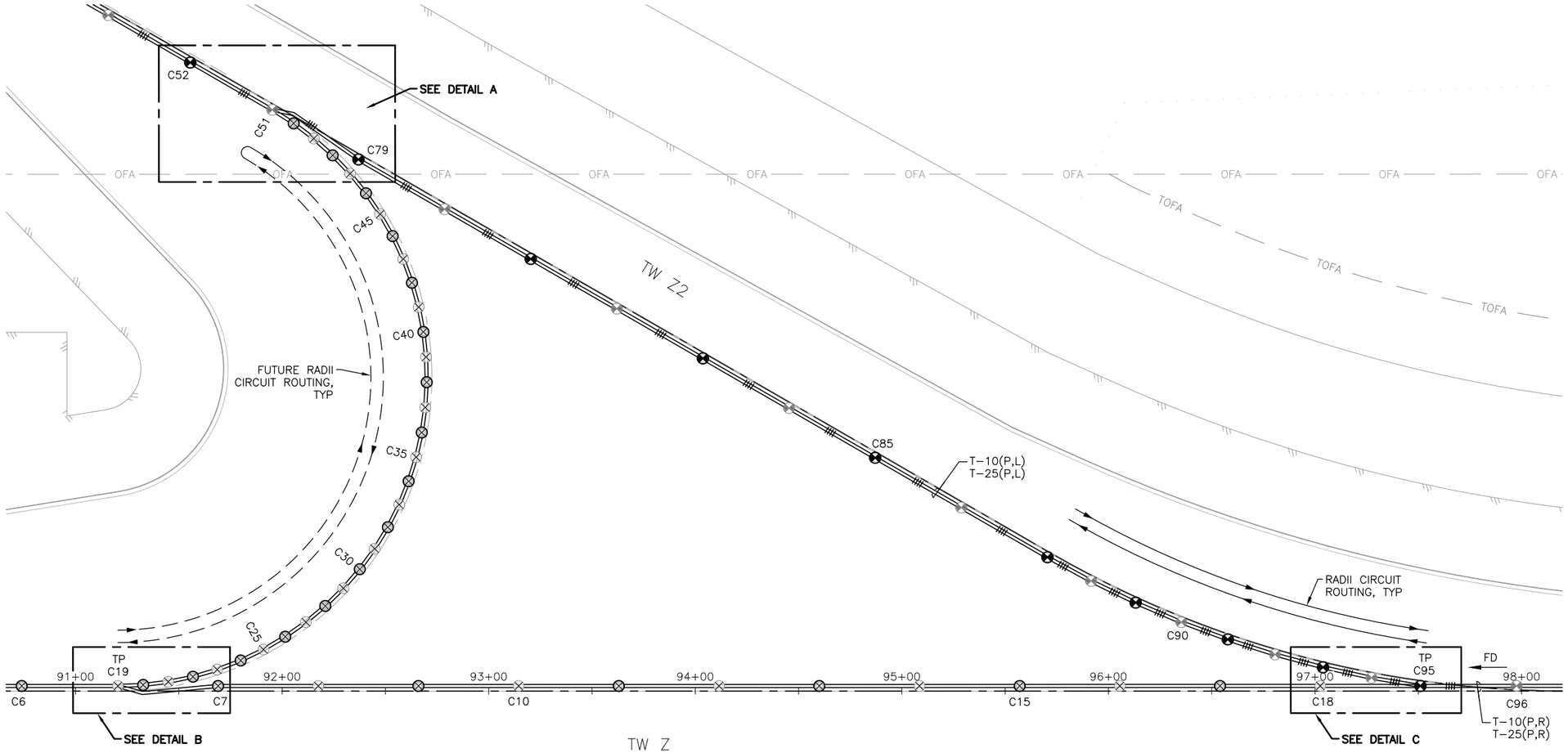
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL NEW WORK PLAN

DATE: 01/06/2026

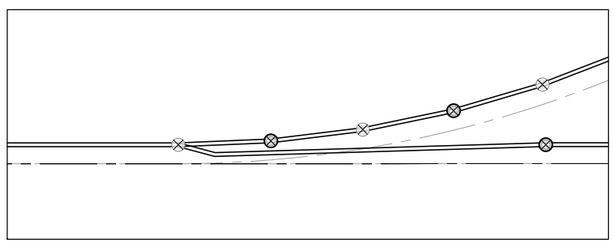
SHEET: E8 OF E22



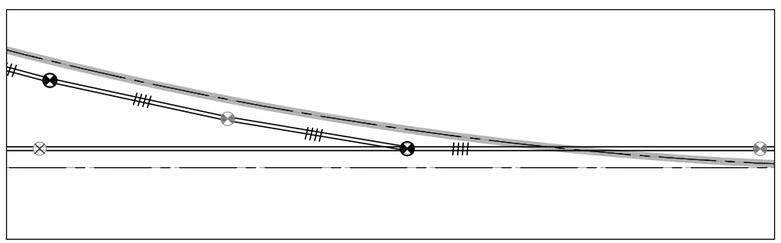
DETAIL A



TW Z



DETAIL B



DETAIL C

30' 15' 0 30' 60'
SCALE

10' 5' 0 10' 20'
SCALE

LOW-VIS ALTERNATING CIRCUIT LEGEND

- PRIMARY CIRCUIT
- SECONDARY CIRCUIT

STATE OF ALASKA
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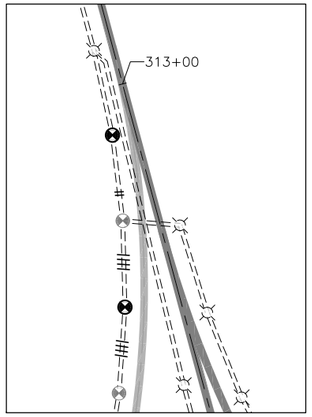
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL NEW WORK
ENLARGED PLAN TAXIWAY Z2

DATE: 01/06/2026

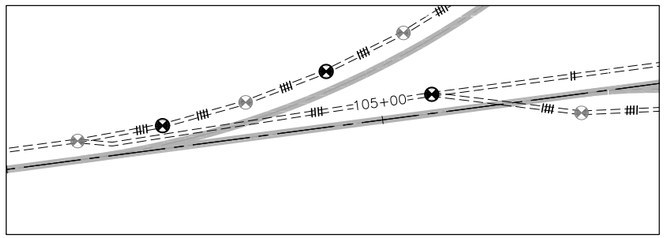
SHEET: E9 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

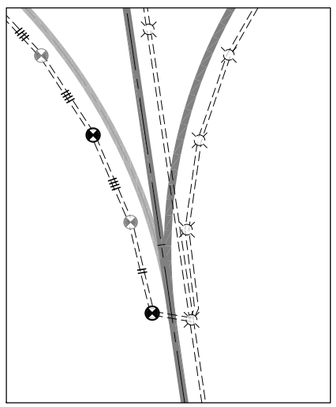
Date Revised: 1/06/2026, 4:43 PM
Layout Name: 2 - ENLARGED
File Path and Name: U:\2073016910\drawing\e\sheets\00929-ANC-E08-E10-PLAN-NEW-ENLRG.dwg



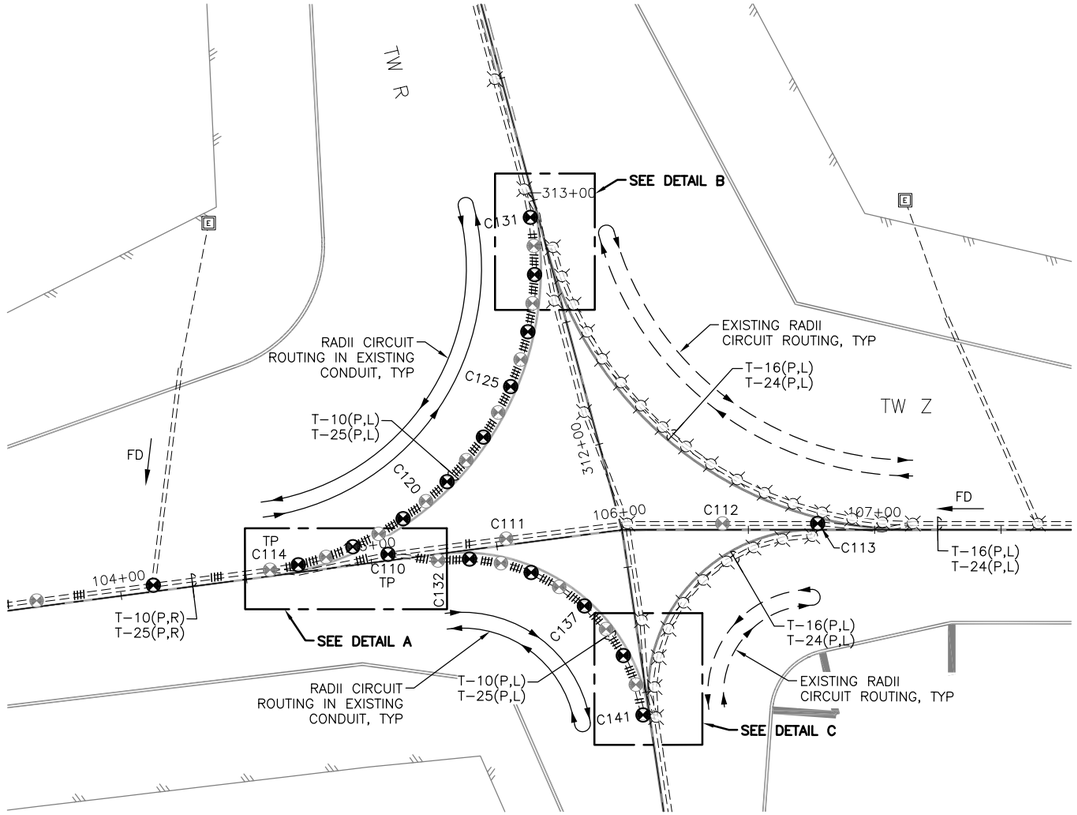
DETAIL B



DETAIL A



DETAIL C



LOW-VIS ALTERNATING CIRCUIT LEGEND

PRIMARY CIRCUIT

SECONDARY CIRCUIT

10' 5' 0 10' 20'
SCALE

STATE OF ALASKA 49TH
LUCAS SCHNELLER
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STATE OF ALASKA
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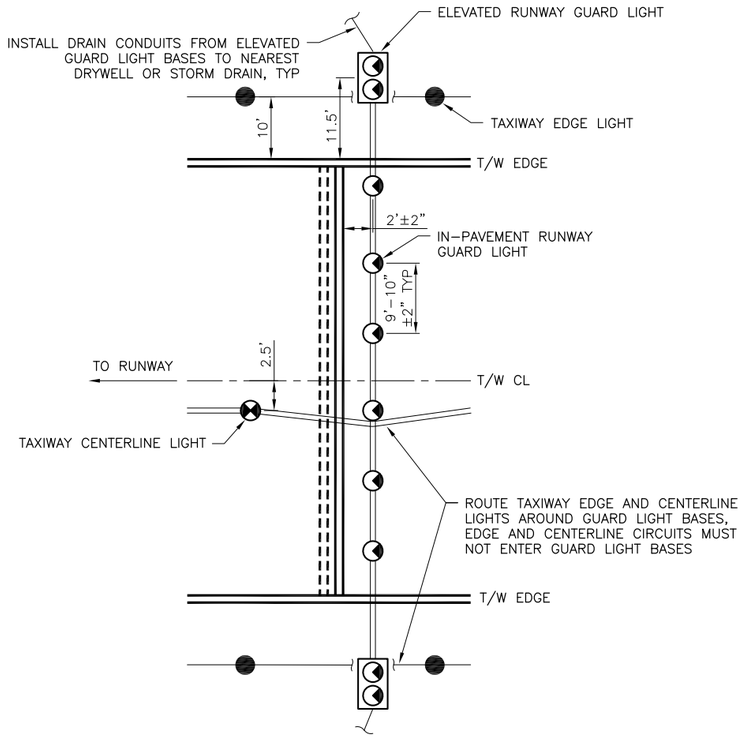
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL NEW WORK
ENLARGED PLAN TAXIWAY R

DATE: 01/06/2026

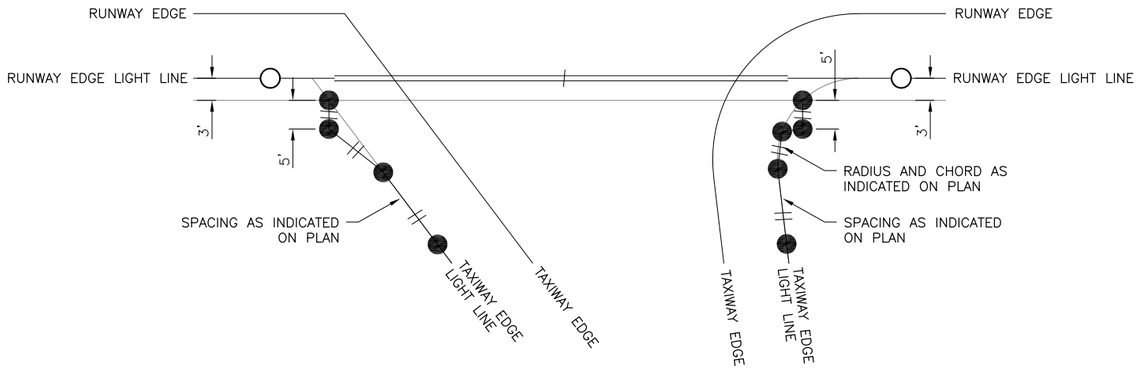
SHEET: E10 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

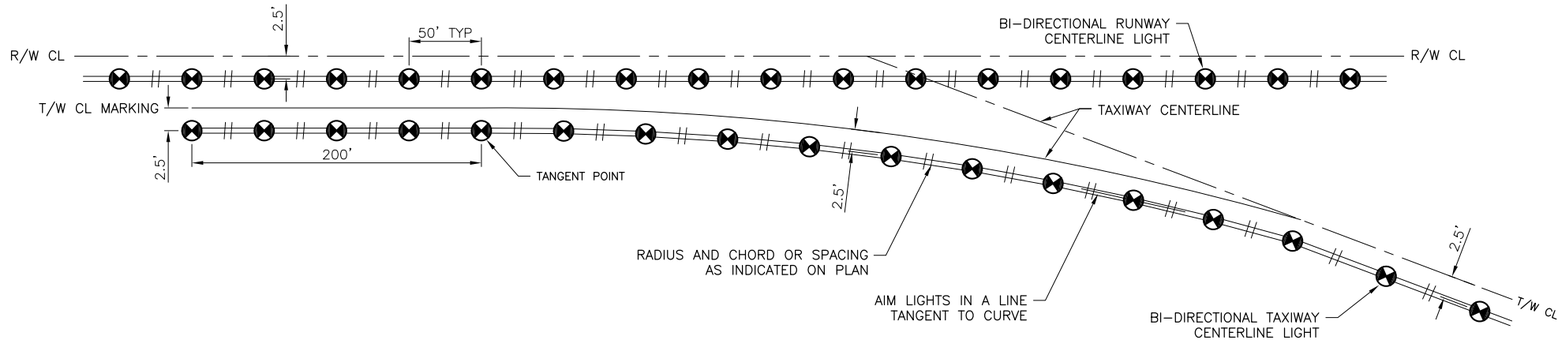
Date Revised: 1/06/2026, 4:44 PM
Layout Name: 3 - ENLARGED
File Path and Name: U:\207301691O\drawing\e\sheets\00929-ANC-E08-E10-PLAN-NEW-ENLRG.dwg



1 E11 RUNWAY GUARD LIGHTING/STOP BAR DETAIL
NTS



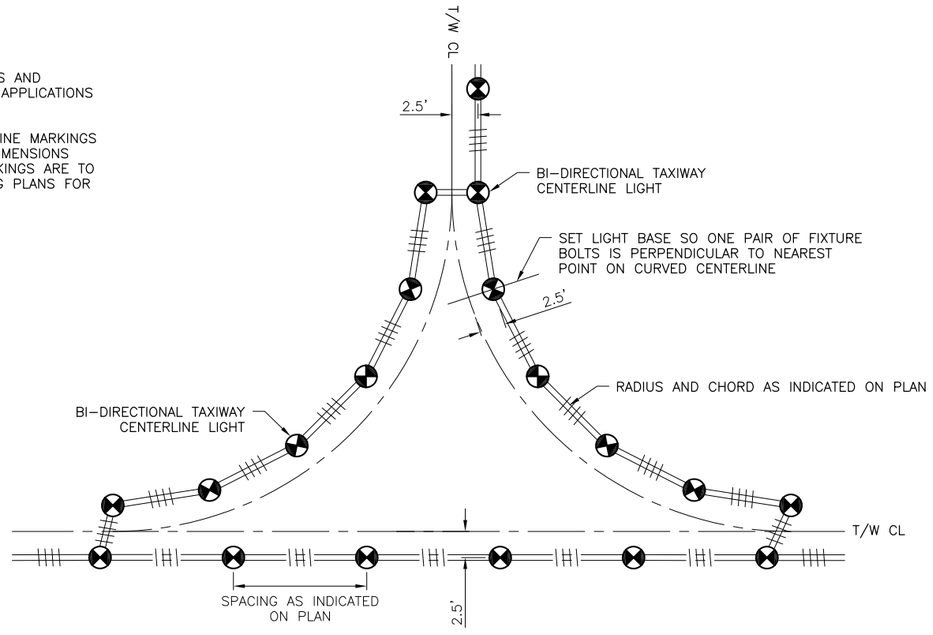
3 E11 RUNWAY ENTRANCE EDGE LIGHT DETAIL
NTS



2 E11 TYPICAL HIGH-SPEED LEAD-OFF LIGHTING DETAIL
NTS

NOTES:

1. DETAILS ARE TYPICAL, SEE PLANS AND ENLARGED PLANS FOR SPECIFIC APPLICATIONS AND CIRCUITING.
2. DIMENSIONS SHOWN TO CENTERLINE MARKINGS ARE TO CENTER OF MARKING. DIMENSIONS SHOWN TO EDGE OR HOLD MARKINGS ARE TO EDGE OF MARKING. SEE MARKING PLANS FOR DIMENSIONS OF MARKINGS.



4 E11 TYPICAL TAXIWAY INTERSECTION CENTERLINE LIGHTING
NTS

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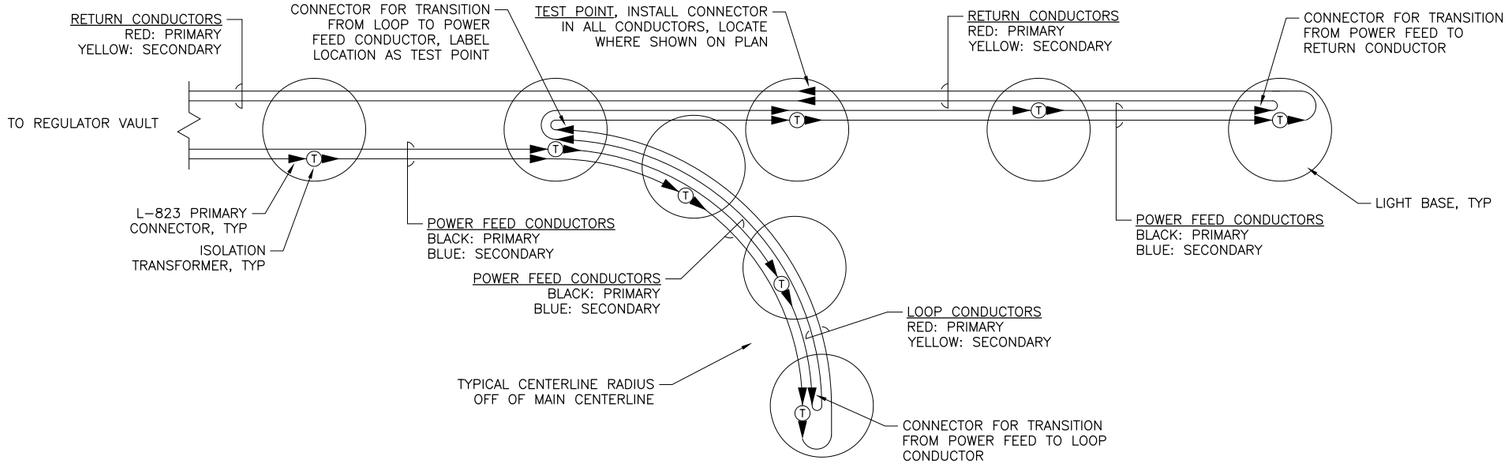
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DETAILS 1

DATE: 01/06/2026
SHEET: E11 OF E22

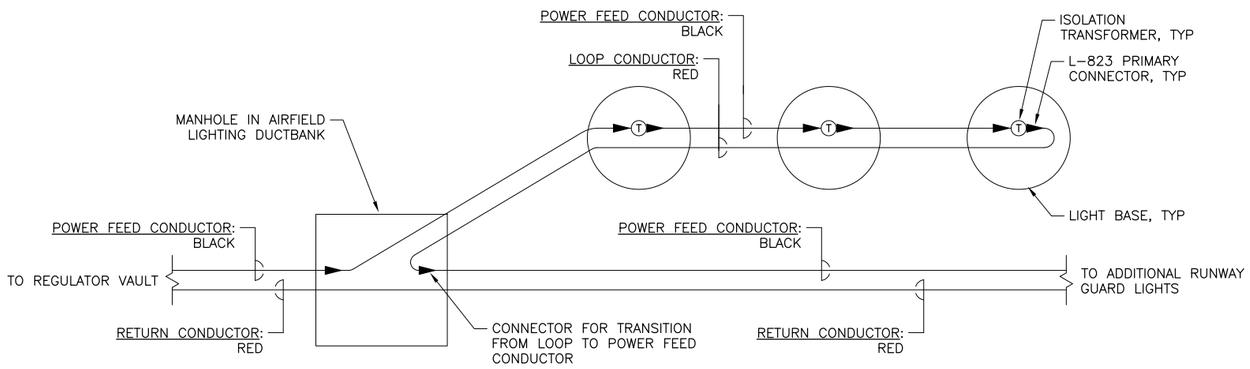
Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB
Date Revised: 1/06/2026, 4:44 PM
Layout Name: ELECTRICAL DETAILS 1
File Path and Name: U:\2073016910\drawing\e\sheets\00929-ANC-E11-E19_DETAILS.dwg



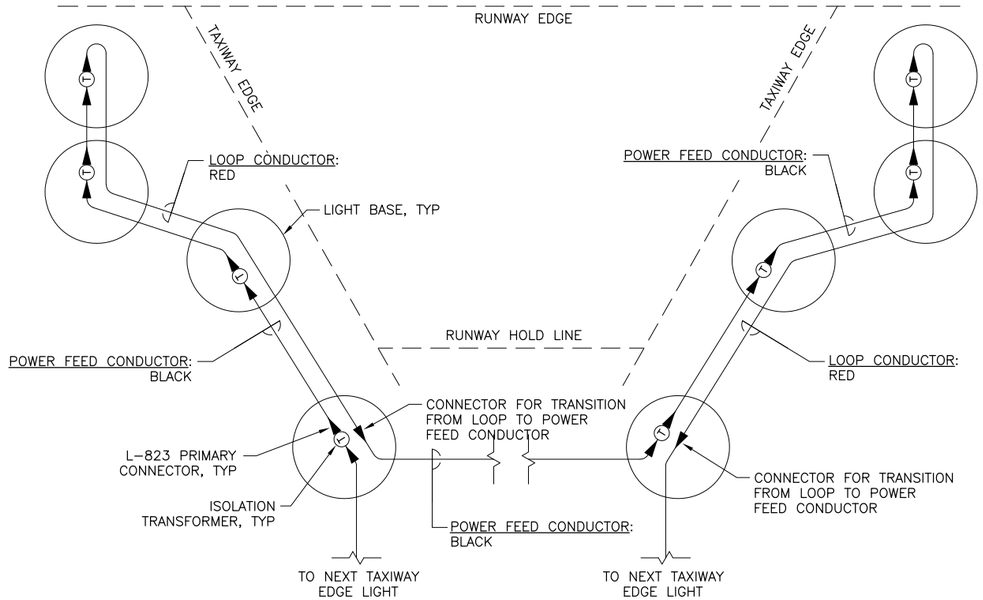
1 / E12 TYPICAL TAXIWAY CENTERLINE RADIUS CONDUCTOR DIAGRAM
NTS

NOTES:

1. DIAGRAMS ARE TYPICAL. NOT ALL CIRCUITS WILL BE PRESENT AT ALL LOCATIONS AND IN ALL LIGHT BASES. SEE PLANS AND ENLARGED PLANS FOR SPECIFIC LOCATIONS.
2. ALL TRANSFORMERS MUST BE SERVED FROM POWER FEED CONDUCTORS. THE RETURN AND LOOP CONDUCTORS MUST CONTAIN NO TRANSFORMERS.
3. LABEL POWER FEED CONDUCTORS WITH CIRCUIT NUMBER AND DIRECTION OF TRAVEL ON EACH SIDE OF ALL SPLICES AND TRANSFORMERS.
4. LABEL RETURN CONDUCTORS WITH CIRCUIT NUMBER, DIRECTION OF TRAVEL, AND "RETURN" ON EACH SIDE OF ALL SPLICES AND TRANSFORMERS.
5. LABEL LOOP CONDUCTORS WITH CIRCUIT NUMBER, DIRECTION OF TRAVEL, AND "LOOP" ON EACH SIDE OF ALL SPLICES AND TRANSFORMERS.
6. LABEL TEST POINT LOCATIONS AT CENTERLINE LIGHTS IN ACCORDANCE WITH DETAIL 1/E14.



2 / E12 TYPICAL RUNWAY GUARD LIGHT CONDUCTOR DIAGRAM
NTS



3 / E12 TYPICAL TAXIWAY/RUNWAY INTERSECTION CONDUCTOR DIAGRAM
NTS

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB
Date Revised: 1/06/2026, 4:44 PM
Layout Name: ELECTRICAL DETAILS 2
File Path and Name: U:\207301691O\drawing\e\sheets\00929-ANC-E11-E19_DETAILS.dwg

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CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

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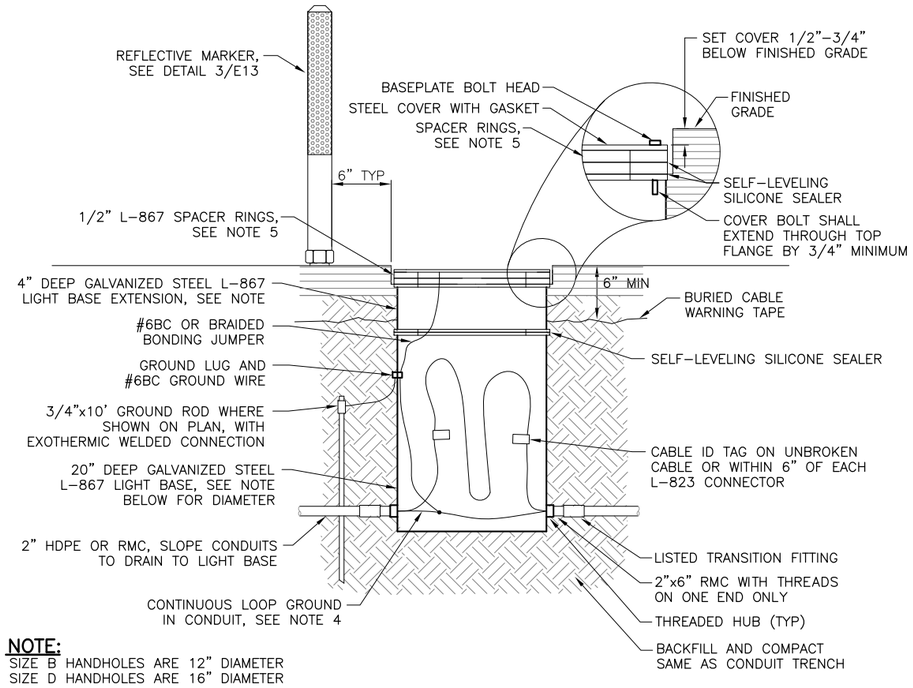
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

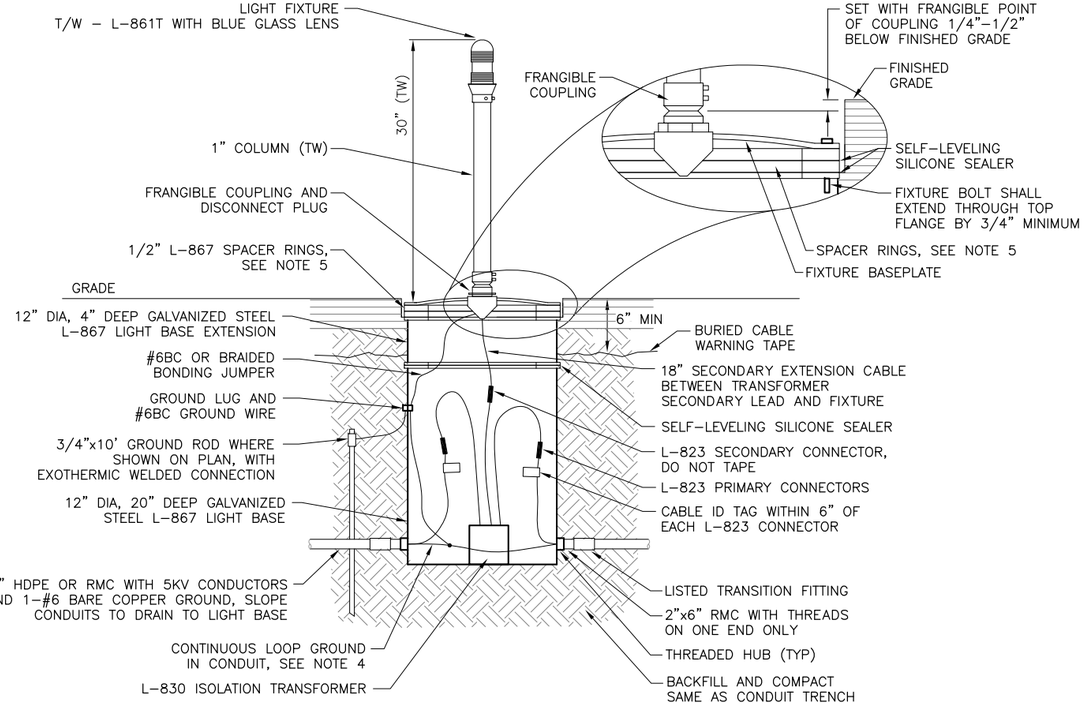
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DETAILS 2

DATE: 01/06/2026
SHEET: E12 OF E22

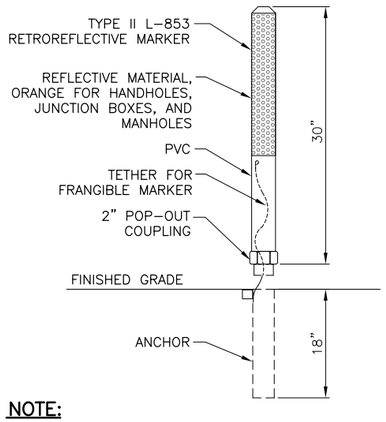


NOTE:
SIZE B HANDHOLES ARE 12" DIAMETER
SIZE D HANDHOLES ARE 16" DIAMETER

1 / E13 HANDHOLE, TYPE I DETAIL
NTS

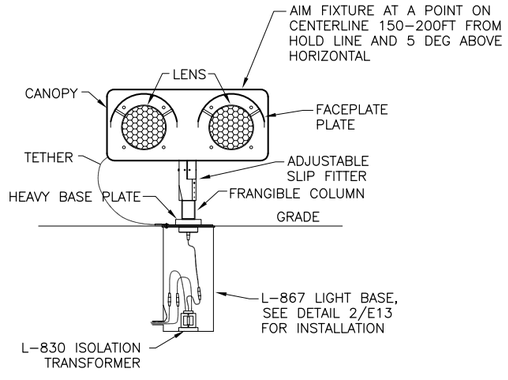


2 / E13 BASE MOUNTED LIGHT DETAIL
NTS



NOTE:
INSTALL RETROREFLECTIVE MARKERS 6" FROM EACH HANDHOLE, J–BOX, OR MANHOLE AS INDICATED. MARKERS ARE SUBSIDIARY TO THE HANDHOLE, JUNCTION BOX, OR MANHOLE PAY ITEM AND NO SEPARATE PAYMENT WILL BE MADE. MARKER MUST BE TYPE II PER SPEC P–660.

3 / E13 RETROREFLECTIVE MARKER DETAIL
NTS



4 / E13 ELEVATED GUARD LIGHT DETAIL
NTS

NOTES:

1. SELF–LEVELING SILICONE SEALER MUST BE MOMENTIVE RTV118 OR APPROVED EQUAL.
2. INSTALL CONDUIT SYSTEM AT THE SAME GRADE AS THE RUNWAY OR TAXIWAY AND SLOPED TO DRAIN TO THE LOW SPOTS AND DRAINS WHERE SHOWN.
3. PROVIDE LIGHT BASES WITH THREADED HUBS (NO DRILLED AND GROMMET CONNECTIONS). PROVIDE ADDITIONAL HUBS FOR CONDUIT DRAINS AND/OR SIGN CONNECTIONS WHERE SHOWN ON PLANS.
4. CIRCUIT GROUND WIRE ROUTED IN CONDUIT MUST BE CONTINUOUS THROUGH LIGHT BASE OR JOINED USING IRREVERSIBLE COMPRESSION CONNECTORS AND MUST NOT RELY ON LIGHT BASE GROUND LUG FOR CONTINUITY.
5. PROVIDE A MINIMUM OF TWO 1/2" SPACER RINGS BELOW BASEPLATE FOR COMPLETED INSTALLATION OF ELEVATED EDGE LIGHTS AND HANDHOLES. ADDITIONAL SPACER RINGS REQUIRED DURING SET UP FOR PAVING ARE SUBSIDIARY.
6. LEAVE SUFFICIENT SLACK IN POWER FEED CONDUCTORS TO MAKE CONNECTIONS 2 FEET ABOVE GRADE. LEAVE SUFFICIENT SLACK IN RETURN AND LOOP CONDUCTORS TO REACH 2 FEET ABOVE GRADE WITH CENTER OF SLACK CONDUCTOR.
7. WHERE INDICATED ON THE PLANS AND SCHEDULES, INSTALL LIGHT BASE ASSEMBLY WITHOUT FIXTURE, BASEPLATE, TRANSFORMER, OR CONDUCTORS. ASSEMBLE SPACER RINGS FOR ELEVATION AS DETAILED AS IF A FIXTURE WILL BE INSTALLED, BUT INSTALL A 3/8" BLANK STEEL COVER IN PLACE OF THE FIXTURE AND BASEPLATE.

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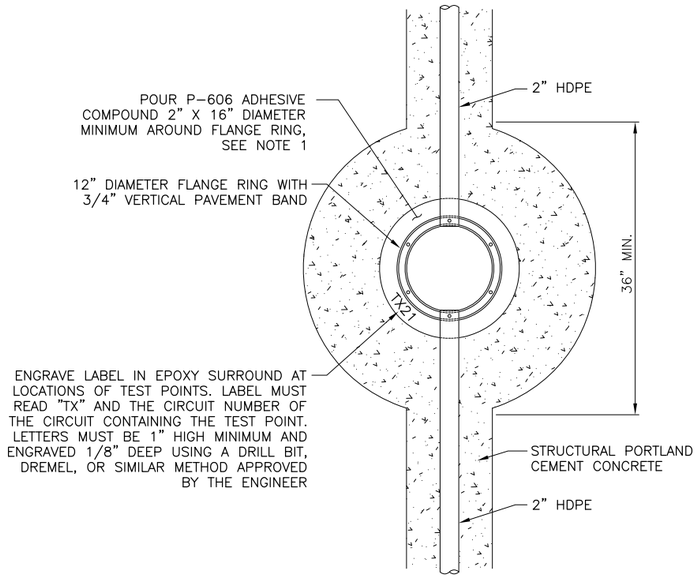
PHONE (907) 269-0590

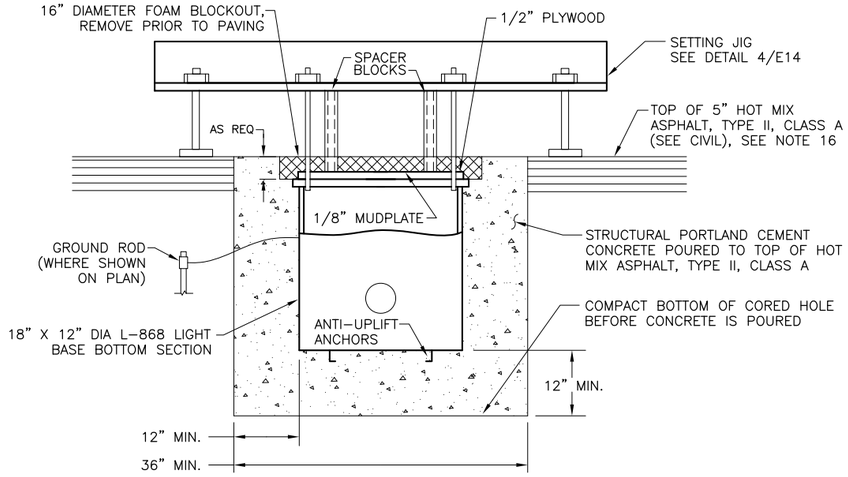
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DETAILS 3

DATE: 01/06/2026
SHEET: E13 OF E22

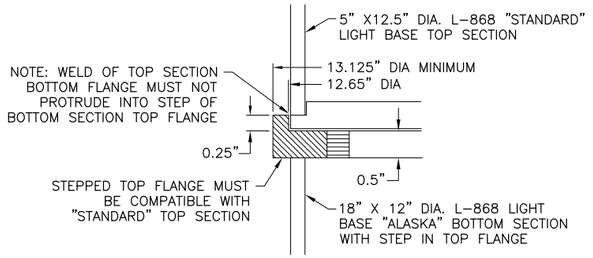
Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB
Date Revised: 1/06/2026, 4:44 PM
Layout Name: ELECTRICAL DETAILS 3
File Path and Name: U:\20730169T0\drawing\e\sheets\00929-ANC-E11-E19_DETAILS.dwg



1 E14 RECESSED LIGHT – PLAN VIEW
NTS



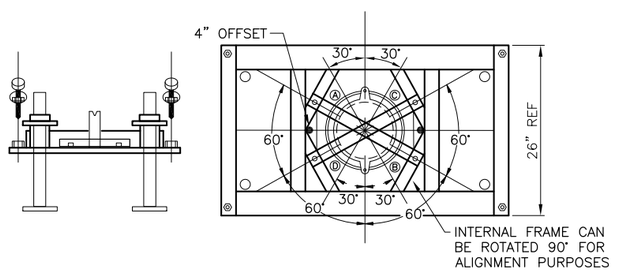
2 E14 RECESSED LIGHT BASE INSTALLATION
NTS



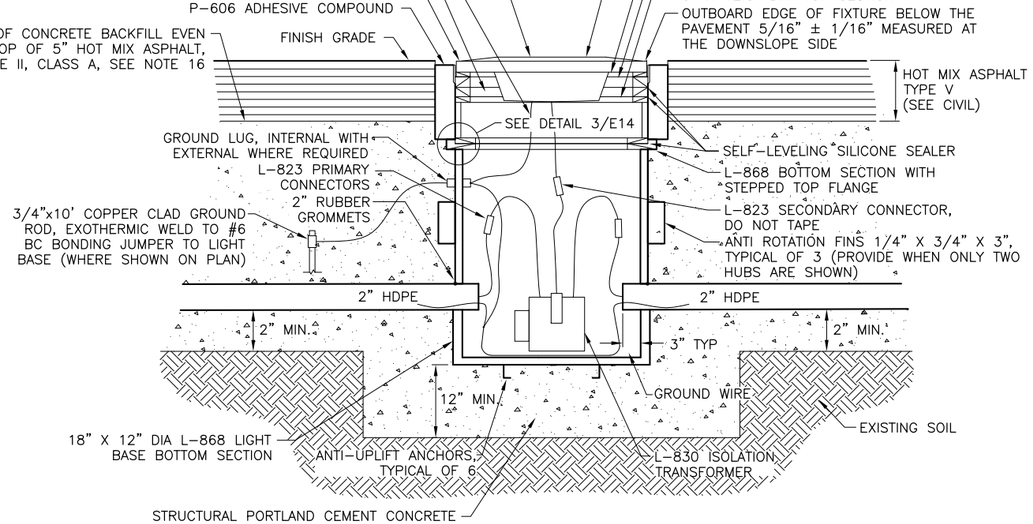
3 E14 BASE FLANGE DETAIL
NTS

NOTES:

1. P-606 ADHESIVE COMPOUND MUST MEET FED SPEC P-606. ANNULUS MUST BE CLEAN AND DRY PRIOR TO POURING PRODUCT. MIX AND APPLY USING MANUFACTURER EQUIPMENT AND PROCEDURES. DO NOT INSTALL FIXTURES UNTIL AFTER PRODUCT HAS BEEN PLACED. VERIFY NO EXCESS PRODUCT HAS FLOWED INTO THE LIGHT BASE AND REMOVE EXCESS AS REQUIRED PRIOR TO INSTALLING FIXTURES.
2. SELF-LEVELING SILICONE SEALER MUST BE MOMENTIVE RTV118 OR APPROVED EQUAL. INSTALL SELF-LEVELING SILICONE SEALER BETWEEN LIGHT BASE TOP AND BOTTOM SECTIONS, TOP SECTION AND SPACER RINGS, SPACER RINGS BELOW FLANGE RING, AND FLANGE RING. DO NOT INSTALL SILICONE SEALER ABOVE FLANGE RING.
3. FIXTURE MUST BE A SEMI-FLUSH MOUNT MODEL AND INSTALLATION MUST BE A DRY TYPE SYSTEM.
4. INSTALL CONDUIT SYSTEM AT THE SAME GRADE AS THE RUNWAY OR TAXIWAY AND SLOPED TO DRAIN TO THE LOW SPOTS AND DRAINS WHERE SHOWN.
5. COMPACT BOTTOM OF CORED HOLE TO THE SATISFACTION OF THE ENGINEER BEFORE CONCRETE IS POURED.
6. PROVIDE A THIRD HUB FOR A CONDUIT DRAIN WHERE SHOWN ON PLANS.
7. SETTING JIG FOR FIXTURE MUST BE FROM JAQUITH INDUSTRIES INC. OR APPROVED EQUAL AND IS SUBSIDIARY TO THE CONTRACT.
8. STRUCTURAL PORTLAND CEMENT CONCRETE MUST MEET THE REQUIREMENTS OF SECTION P-610. APPLY A SURFACE SEALER TO ALL STRUCTURAL PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION P-610.
9. INSTALL ALL CONDUIT AND NEW FIXTURE BOTTOM SECTIONS BEFORE INSTALLATION OF BOTTOM LIFT OF HOT MIX ASPHALT TYPE V.
10. FIXTURE BOLTS FOR RECESSED LIGHTS MUST BE FLUOROPOLYMER COATED, A MAXIMUM OF 3.5" LONG. DO NOT APPLY ANTI-SIEZE TO COATED BOLTS.
11. CIRCUIT GROUND WIRE ROUTED IN CONDUIT MUST BE CONTINUOUS THROUGH LIGHT BASE OR JOINED USING IRREVERSIBLE COMPRESSION CONNECTORS AND MUST NOT RELY ON LIGHT BASE GROUND LUG FOR CONTINUITY.
12. BASIS OF DESIGN IS 1/2" THICK FLANGE RING AND SPACER RING. WHEN APPROVED BY THE ENGINEER, THINNER RINGS MAY BE USED IF REQUIRED TO MEET SPECIFIED FIXTURE ELEVATION.
13. LEAVE SUFFICIENT SLACK IN POWER FEED CONDUCTORS TO MAKE CONNECTIONS 2 FEET ABOVE GRADE. LEAVE SUFFICIENT SLACK IN RETURN AND LOOP CONDUCTORS TO REACH 2 FEET ABOVE GRADE WITH CENTER OF SLACK CONDUCTOR.
14. PROVIDE SPACER RING WITH "O" RING ABOVE FLANGE RING FOR FIXTURES OUTSIDE THE LIMITS OF THE RUNWAY EDGE. PROVIDE STANDARD SPACER RING BELOW FLANGE RING FOR FIXTURES INSIDE THE LIMITS OF THE RUNWAY EDGE.
15. WHERE INDICATED ON THE PLANS AND SCHEDULES, INSTALL LIGHT BASE ASSEMBLY WITHOUT FIXTURE, TRANSFORMER, OR CONDUCTORS. ASSEMBLE SPACER AND FLANGE RINGS TO ELEVATION AS DETAILED AS IF A FIXTURE WILL BE INSTALLED, BUT INSTALL A 3/4" BLANK STEEL COVER IN PLACE OF THE FIXTURE.
16. TOP OF HOT MIX ASPHALT, TYPE II, CLASS A INDICATED IN THIS DETAIL WILL BE THE TOP OF EXISTING ASPHALT AFTER MILLING IN AREAS WITHIN AND NORTH OF RUNWAY 7R-25L AS SHOWN ON THE PLANS. SEE DETAIL 1/E17 FOR MILLING DETAIL ALONG CONDUIT TRENCH OF LIGHT LINE.



4 E14 SETTING JIG DETAILS
NTS



5 E14 RECESSED LIGHT – SECTION VIEW
NTS

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB
Date Revised: 1/06/2026, 4:44 PM
Layout Name: ELECTRICAL DETAILS 4
File Path and Name: U:\207301691O\drawing\e\sheets\00929-ANC-E11-E19_DETAILS.dwg

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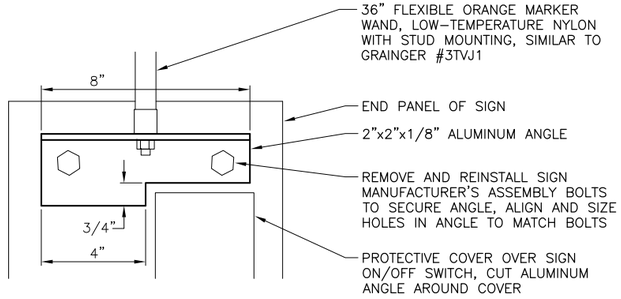
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DETAILS 4

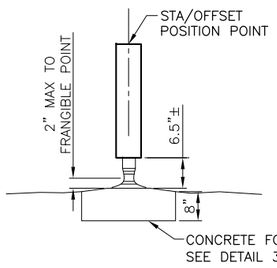
DATE: 01/06/2026
SHEET: E14 OF E22



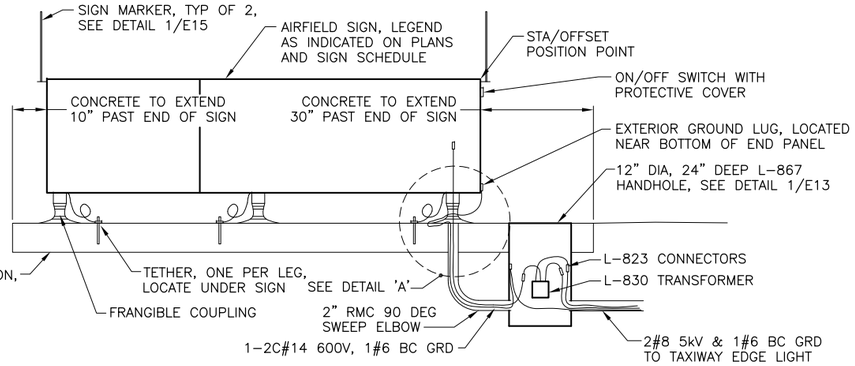
NOTE:

1. PROVIDE TWO SIGN MARKERS PER SIGN. SIGN MARKERS ARE SUBSIDIARY TO THE ASSOCIATED SIGN AND NO SEPARATE PAYMENT WILL BE MADE.
2. SUPPORT ANGLE CONFIGURATION IS BASED ON ADB-SAFEGATE SIGN CONSTRUCTION. ADJUST DIMENSIONS AND BOLT ARRANGEMENT AS REQUIRED FOR OTHER MANUFACTURER'S SIGNS.

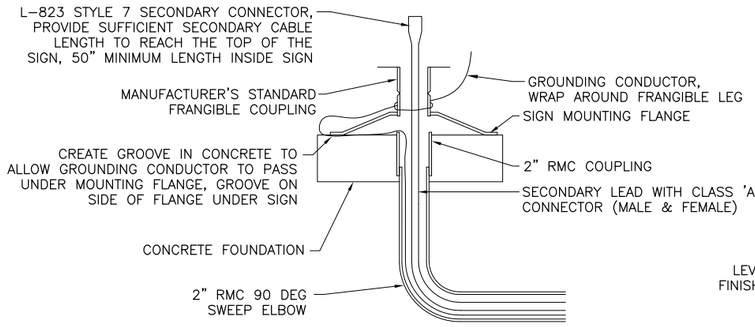
1 / E15 SIGN MARKER DETAIL
NTS



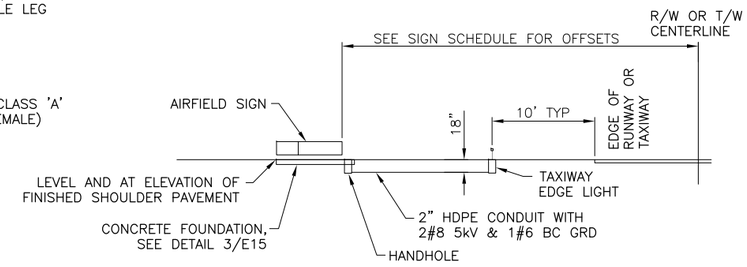
SIDE VIEW



FRONT VIEW

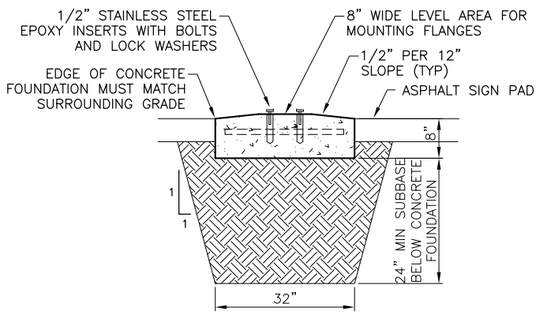


DETAIL 'A'

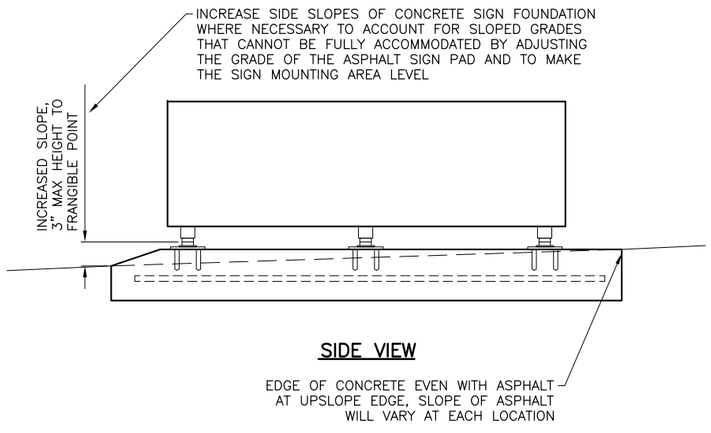


ELEVATION VIEW

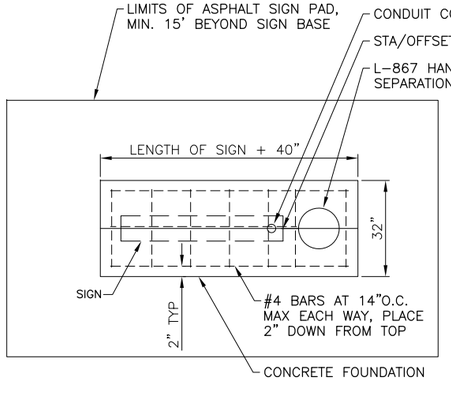
2 / E15 AIRFIELD SIGN DETAILS
NTS



END VIEW



SIDE VIEW



PLAN VIEW

NOTES:

1. GRADING AND EARTHWORK ASSOCIATED WITH SIGN LOCATIONS ARE SUBSIDIARY TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE.
2. ATTACH SIGNS TO CONCRETE BASE USING STAINLESS STEEL EPOXY THREADED INSERTS, SIMILAR TO HILTI HIS-RN, INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. INSTALL INSERTS AFTER CONCRETE HAS REACHED FULL DESIGN STRENGTH. PROVIDE STAINLESS STEEL BOLTS WITH SPLIT LOCK WASHERS TO SECURE SIGNS TO INSERTS.
3. STRUCTURAL PORTLAND CEMENT CONCRETE MUST MEET THE REQUIREMENTS OF SECTION P-610. APPLY A SURFACE SEALER TO ALL STRUCTURAL PORTLAND CEMENT CONCRETE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION P-610.
4. SET FOUNDATION TO MATCH SHOULDER PAVEMENT ELEVATION AT END CLOSEST TO RUNWAY OR TAXIWAY EDGE. CENTER OF FOUNDATION MUST BE LEVEL TO SUPPORT SIGN MOUNTING FLANGES. ADJUST ASPHALT SIGN PAD PAVEMENT TO MEET EDGE OF OTHER SIDES OF FOUNDATION.

3 / E15 CONCRETE SIGN FOUNDATION DETAILS
NTS

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TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DETAILS 5

DATE: 01/06/2026
SHEET: E15 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB
Date Revised: 1/06/2026, 4:44 PM
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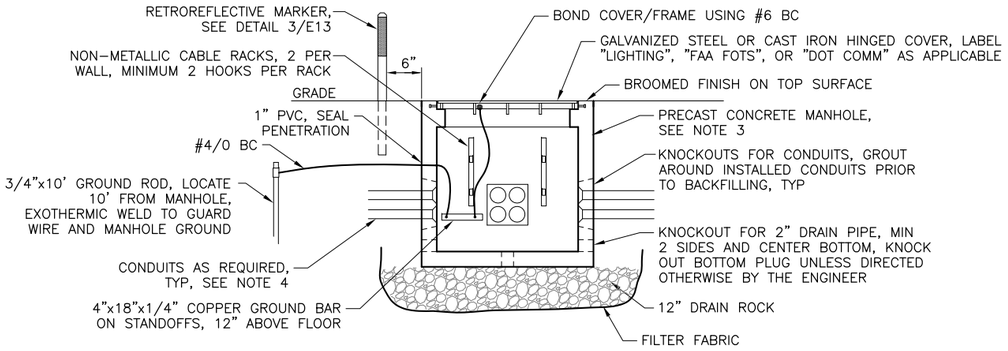


NOTES:

1. PRECAST MANHOLE, LID, FRAME, AND COVER MUST BE RATED FOR WHEEL LOADING BASED ON LOCATION. CONCRETE TOP SECTION WITH COVER MAY BE OVERSIZED IF REQUIRED TO MEET LOADING REQUIREMENTS.

   AIRCRAFT AREA (WITHIN RSA AND TSA) – 100,000 LB. LOAD
   NON-AIRCRAFT AREA – H-20 WHEEL LOADING

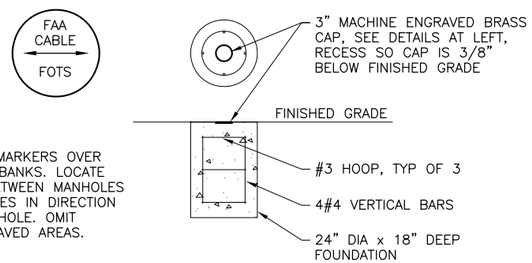
2. PROVIDE COVERS WITH STAINLESS STEEL BOLTS TO SECURE LID IN THE CLOSED POSITION. PROVIDE CAST IRON HINGED COVERS WITH SPRING ASSIST MECHANISM.

3. MANHOLES MUST HAVE INSIDE DIMENSIONS AS INDICATED IN THE MANHOLE SCHEDULE ON SHEET E20. MANHOLE COVERS MUST BE 36"x36" MINIMUM.

4. EXTEND METALLIC CONDUIT 2" INTO MANHOLE AND TERMINATE WITH AN INSULATED GROUNDING BUSHING BONDED TO THE GROUND BAR WITH #6 BC. TERMINATE NON-METALLIC CONDUIT AT TERMINATION FITTINGS CAST INTO THE MANHOLE WALL OR EXTEND 2" INTO MANHOLE AND REAM ENDS TO PREVENT CONDUCTOR INSULATION DAMAGE.

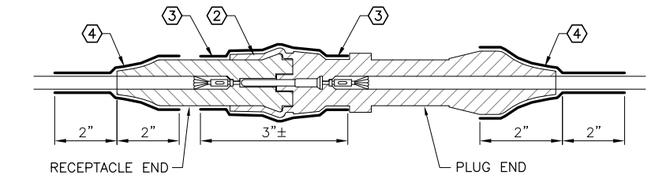
5. ALL GROUNDING CONNECTIONS INSIDE THE MANHOLE SHALL BE MADE USING 2-HOLE TIN-PLATED COPPER COMPRESSION LUGS CONCENTRICALLY CRIMPED. HARDWARE SHALL BE STAINLESS STEEL WITH BELLEVILLE SPRING WASHERS ON ALL BOLTED CONNECTIONS. BURIED GROUND CONNECTIONS SHALL BE EXOTHERMIC WELDS. XHHW-2 GROUNDING CONDUCTORS SHALL HAVE GREEN INSULATION.

1 E16 ELECTRICAL MANHOLE DETAIL
NTS



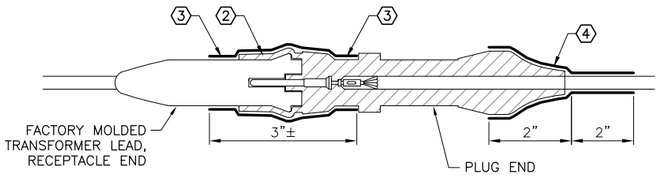
NOTES:
1. PLACE CABLE MARKERS OVER NEW FAA DUCTBANKS. LOCATE EVERY 200' BETWEEN MANHOLES AND AT CHANGES IN DIRECTION NOT AT A MANHOLE. OMIT MARKERS IN PAVED AREAS.

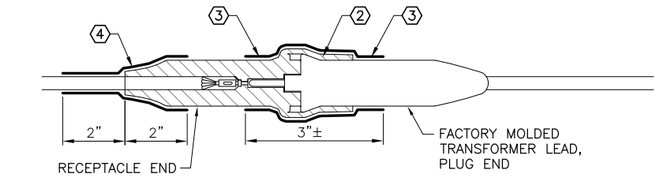
3 E16 CABLE MARKER DETAIL
NTS



TYPE B

FOR SPLICES FOR USE AT TEST POINTS, JUNCTION OF HOMERUN WITH LOOP CIRCUITS, AND SPLICES IN HOMERUN CABLES





TYPE C

FOR SPLICES AT ISOLATION TRANSFORMERS

2 E16 TYPICAL SPLICE DETAILS
NTS

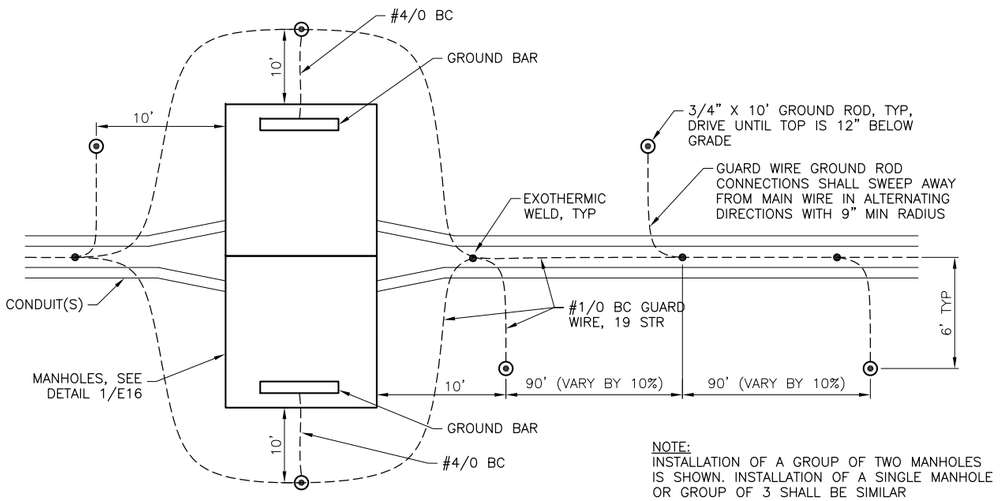
NOTES:

1. CABLE MUST MEET SPECIFICATION L-824. INSIDE DIAMETER OF CONNECTOR MUST PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE. CONNECTOR MUST BE SUPPLIED TO MATCH CABLE PER MANUFACTURER'S INSTRUCTIONS.

(2) L-823 CONNECTOR MUST HAVE FACTORY-MOLDED SEALING FLAP. PULL SEALING FLAP ACROSS CONNECTOR INTERFACE. REMOVE SEALING FLAP FROM RECEPTACLE CONNECTOR FOR TYPE B CONNECTIONS.

(3) WRAP CONNECTOR INTERFACE WITH A MINIMUM OF ONE LAYER RUBBER TAPE AND ONE LAYER PLASTIC TAPE, EACH LAYER ONE-HALF LAPPED. EXTEND TAPE TO A FLAT SECTION OF CONNECTOR BODY TO ACHIEVE A GOOD CONTACT SEAL, APPROXIMATELY 3" OF TOTAL WRAP AREA.

(4) L-823 CONNECTOR MUST HAVE TAPERED STRAIN RELIEF AT CABLE ENTRY. WRAP CABLE ENTRY POINT OF FIELD-INSTALLED CONNECTOR WITH A MINIMUM OF ONE LAYER RUBBER TAPE AND ONE LAYER PLASTIC TAPE, EACH LAYER ONE-HALF LAPPED, EXTENDING AT LEAST 2" ONTO CABLE AND CONNECTOR.



NOTE:
INSTALLATION OF A GROUP OF TWO MANHOLES IS SHOWN. INSTALLATION OF A SINGLE MANHOLE OR GROUP OF 3 SHALL BE SIMILAR

4 E16 FAA CONDUIT/MANHOLE GROUNDING DETAIL
NTS

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REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
3900 C ST SUITE 902
ANCHORAGE, AK 99503-5963
(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

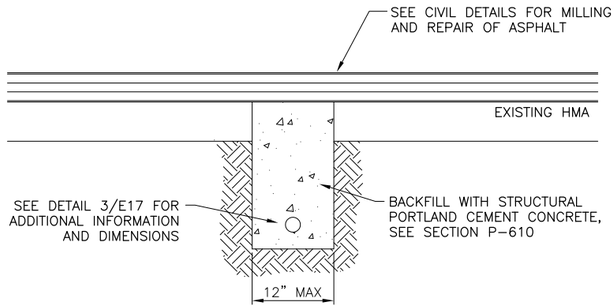
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

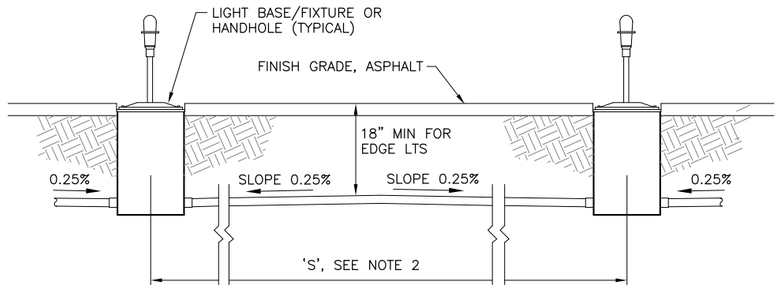
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DETAILS 6

DATE: 01/06/2026
SHEET: E16 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB
Date Revised: 1/06/2026, 4:44 PM
Layout Name: ELECTRICAL DETAILS 6
File Path and Name: U:\207301691\0\drawing\e\sheets\00929-ANC-E11-E19_DETAILS.dwg



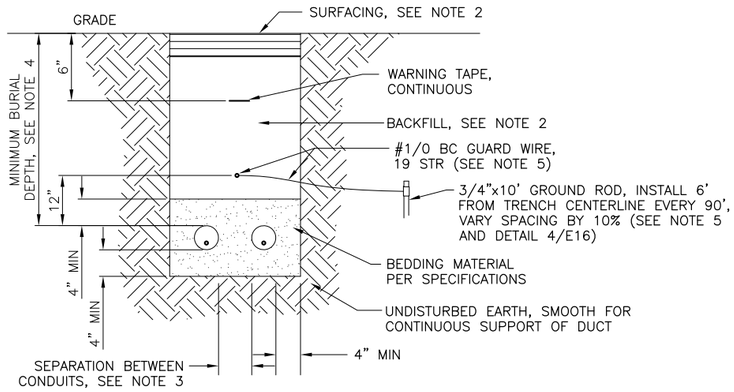
1 / E17 CONDUIT TRENCH DETAIL UNDER EXISTING STRUCTURAL PAVEMENT
NTS



NOTES:

1. CONDUIT MUST BE INSTALLED WITH CROWN TO DRAIN TO LIGHT BASES AS SHOWN.
2. IF 'S' IS LESS THAN 20', OR IF 0.25% SLOPE CAN BE MAINTAINED IN ONE DIRECTION DUE TO SLOPE OF GRADE, LAY CONDUIT STRAIGHT WITHOUT CROWN BETWEEN BASES/HANDHOLES.
3. PROVIDE ADDITIONAL HUBS FOR CONDUIT DRAINS WHERE SHOWN ON PLANS.
4. INSTALL ALL CONDUIT, LIGHT BASES, AND HANDHOLES BEFORE INSTALLATION OF SURFACE ASPHALT PAVEMENT.

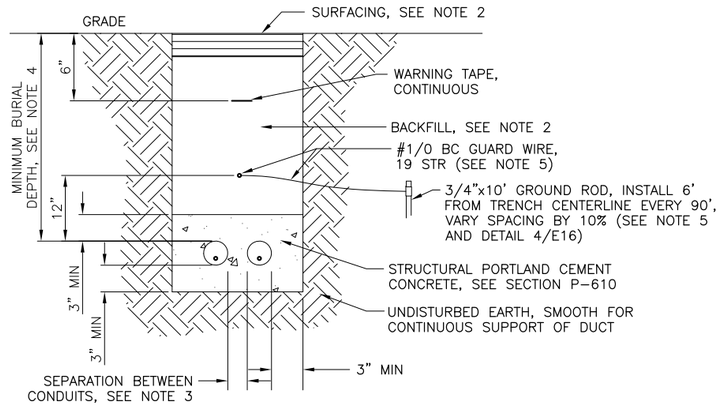
4 / E17 TYPICAL INTERCONNECTION DETAIL
NTS



NOTES:

1. WIDTH OF TRENCH AND NUMBER OF CONDUITS PER TRENCH WILL VARY (2 SHOWN).
2. IN AREAS OF NEW CONSTRUCTION, SEE CIVIL FOR SURFACING AND BACKFILL. IN EXISTING AREAS, MATCH EXISTING SURFACING AND BACKFILL.
3. USE COMMERCIALLY MANUFACTURED DUCT SPACERS IN COMMON DUCTBANKS WITH PARALLEL CONDUITS SPACED EVERY 5' O.C. TO MAINTAIN SEPARATION. SEPARATION BETWEEN CONDUITS MUST BE AS FOLLOWS:
   –CONDUITS OF SAME TYPE (POWER OR SIGNAL) UNDER SAME OWNERSHIP – 2"
   –AIRPORT LIGHTING AND FAA CONDUITS – 12" MIN
   –PRIMARY POWER AND ANY OTHER CONDUIT – 18" MIN
   –TELECOM UTILITY AND ANY OTHER CONDUIT – 18" MIN
4. MINIMUM BURIAL DEPTH MUST BE AS FOLLOWS, UNLESS OTHERWISE INDICATED:
   –AIRPORT LIGHTING CONDUITS – 18"
   –AIRPORT LIGHTING AND FAA DUCTBANKS – 24"
5. GUARD WIRE AND ASSOCIATED GROUND RODS SHALL BE INSTALLED FOR THE FOLLOWING CONDUITS:
   –FAA FIBER OPTIC CONDUITS AND DUCTBANKS

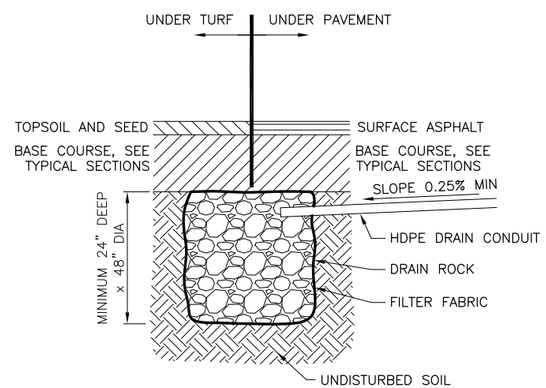
2 / E17 TYPICAL CONDUIT TRENCH DETAIL
NTS



NOTES:

1. WIDTH OF TRENCH AND NUMBER OF CONDUITS PER TRENCH WILL VARY (2 SHOWN).
2. IN AREAS OF NEW CONSTRUCTION, SEE CIVIL FOR SURFACING AND BACKFILL. IN EXISTING AREAS, MATCH EXISTING SURFACING AND BACKFILL. CONDUIT BETWEEN SEMI-FLUSH LIGHTS MUST BE BACKFILLED WITH CONCRETE AS SHOWN ON THE LIGHT BASE INSTALLATION DETAILS.
3. USE COMMERCIALLY MANUFACTURED DUCT SPACERS IN COMMON DUCTBANKS WITH PARALLEL CONDUITS SPACED EVERY 5' O.C. TO MAINTAIN SEPARATION. SEPARATION BETWEEN CONDUITS MUST BE AS FOLLOWS:
   –CONDUITS OF SAME TYPE (POWER OR SIGNAL) UNDER SAME OWNERSHIP – 1 1/2"
   –AIRPORT LIGHTING AND FAA CONDUITS – 12" MIN
   –PRIMARY POWER AND ANY OTHER CONDUIT – 18" MIN
   –TELECOM UTILITY AND ANY OTHER CONDUIT – 18" MIN
4. MINIMUM BURIAL DEPTH MUST BE AS FOLLOWS, UNLESS OTHERWISE INDICATED:
   –AIRPORT LIGHTING CONDUITS – 18"
   –AIRPORT LIGHTING AND FAA DUCTBANKS – 24"
5. GUARD WIRE AND ASSOCIATED GROUND RODS SHALL BE INSTALLED FOR THE FOLLOWING CONDUITS:
   –FAA FIBER OPTIC CONDUITS AND DUCTBANKS

3 / E17 CONCRETE ENCASED CONDUIT DETAIL
NTS



5 / E17 DRYWELL DETAIL
NTS

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Layout Name: ELECTRICAL DETAILS 7
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STATE OF ALASKA 49TH LUCAS SCHNELLER EE-11399 REGISTERED PROFESSIONAL ENGINEER

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TED STEVENS ANCHORAGE INT'L AIRPORT
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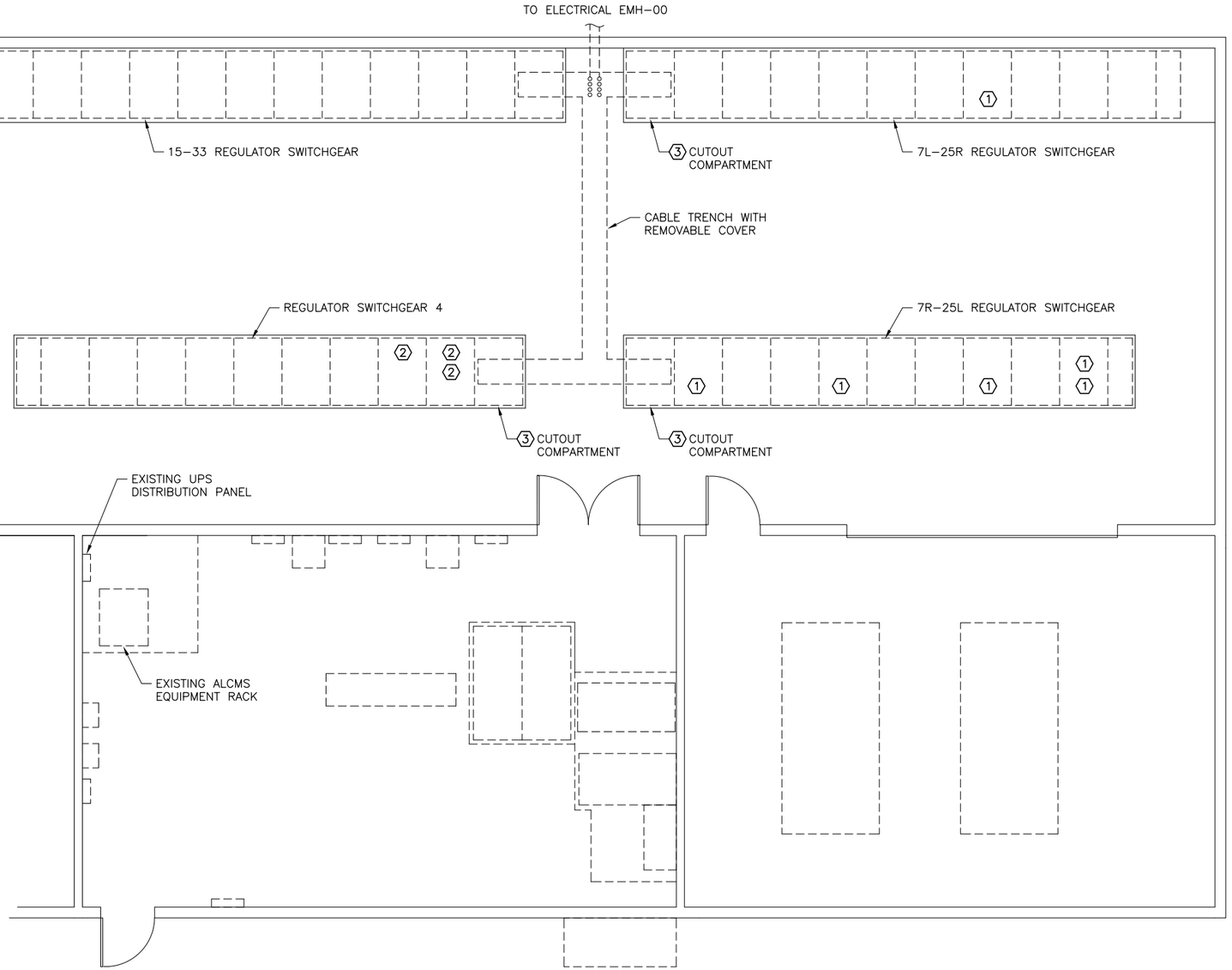
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DETAILS 7

DATE: 01/06/2026
SHEET: E17 OF E22



1 / E18 REGULATOR VAULT PARTIAL FLOOR PLAN
1/4" = 4'-0"

RUNWAY 7L-25R REGULATOR SWITCHGEAR

CUTOUT CABINET											INPUT
	SPARE 50kW 5-STEP	SPARE 50kW 5-STEP	SPARE 50kW 5-STEP	R-1 50kW 5-STEP	R-3 15kW 5-STEP	R-8 10kW 5-STEP	T-5 15kW 3-STEP	SPARE 30kW 3-STEP	T-32 30kW 3-STEP	SPARE 30kW 3-STEP	
					T-26 30kW 3-STEP	T-2 15kW 5-STEP	T-4 30kW 3-STEP ⟨1⟩	T-7 30kW 3-STEP	T-34 30kW 3-STEP	T-12 30kW 3-STEP	

RUNWAY 7R-25L REGULATOR SWITCHGEAR

CUTOUT CABINET										INPUT
R-4 50kW 5-STEP ⟨1⟩	R-5 70kW 5-STEP	SPARE 70kW 5-STEP	R-6 70kW 5-STEP ⟨1⟩	FUTURE – 5-STEP	T-18 30kW 3-STEP	T-24 30kW 5-STEP ⟨1⟩	T-33 10kW 3-STEP	T-16 30kW 5-STEP ⟨1⟩		
					T-19 30kW 3-STEP	T-9 20kW 3-STEP	T-3 30kW 3-STEP	T-31 10kW 3-STEP ⟨1⟩		

REGULATOR SWITCHGEAR 4

CUTOUT CABINET										INPUT
T-10 30kW 5-STEP ⟨2⟩	T-25 30kW 5-STEP ⟨2⟩	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP		
T-6 30kW 3-STEP ⟨2⟩	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP	FUTURE – 3-STEP		

2 / E18 REGULATOR SWITCHGEAR DIAGRAM
NTS

SHEET NOTES: ⟨X⟩ (THIS SHEET ONLY)

1. EXISTING REGULATOR TO REMAIN.
2. INSTALL NEW REGULATOR IN EXISTING EMPTY SPACE WITH EXISTING ACE3 CONTROLLER. ACTIVATE REGULATOR CONTROLS AND PRESETS FOR NEW CIRCUIT IN ALCMS IN ACCORDANCE WITH SPECIFICATION L-125. LABEL REGULATOR WITH NEW CIRCUIT NUMBER.
3. REMOVE EXISTING CIRCUITS AS SHOWN ON PLANS BACK TO SERIES CUTOUTS IN CUTOUT COMPARTMENTS. CONNECT NEW CIRCUITS AS SHOWN ON PLANS TO EXISTING CUTOUTS IN CUTOUT COMPARTMENTS. CUTOUTS AND CABLING BETWEEN CUTOUTS AND REGULATORS ARE EXISTING TO REMAIN.

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Date Revised: 1/06/2026, 4:44 PM
Layout Name: ELECTRICAL DETAILS 8
File Path and Name: U:\207301691O\drawing\e\sheets\00929-ANC-E11-E19_DETAILS.dwg

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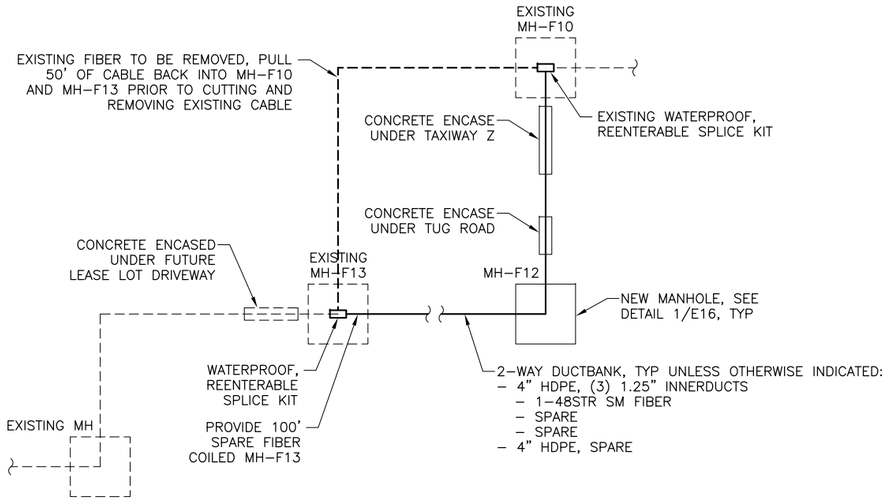
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL DETAILS 8

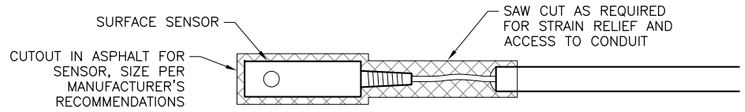
DATE: 01/06/2026
SHEET: E18 OF E22

RISER DIAGRAM NOTES:

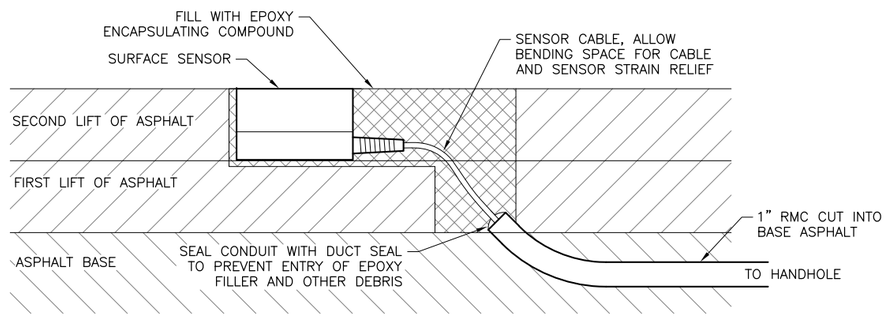
1. SEQUENCE OF INSTALLATION SHALL BE DETERMINED BY THE CONTRACTOR IN COORDINATION WITH ENGINEER, FAA, AND THE CONSTRUCTION PHASING. FAA EQUIPMENT SERVED BY THE FIBER SHALL BE SERVED BY AT LEAST ONE CONNECTION AT ALL TIMES AND DURATIONS WITHOUT REDUNDANT FIBER CONNECTIONS SHALL BE MINIMIZED.
2. NEW FIBER OPTIC CABLES SHALL BE INSTALLED PRIOR TO DISCONNECTING EXISTING CABLES TO LIMIT DURATION OF SERVICE OUTAGE. OBTAIN WRITTEN APPROVAL PRIOR TO ANY SERVICE OUTAGE.
3. FIBER OPTIC CABLES SHALL BE TAKEN OUT OF SERVICE BY FAA PRIOR TO DISRUPTION BY PROJECT WORK. CABLES WILL BE PLACED BACK INTO SERVICE BY FAA AFTER COMPLETION OF WORK.
4. PROVIDE MINIMUM 50 FEET OF SPARE FIBER OPTIC CABLE COILED AND SECURED IN EACH MANHOLE UNLESS OTHERWISE INDICATED. COILS NOT SHOWN FOR CLARITY.



1 / E19 FAA COMMUNICATIONS RISER DIAGRAM
NTS



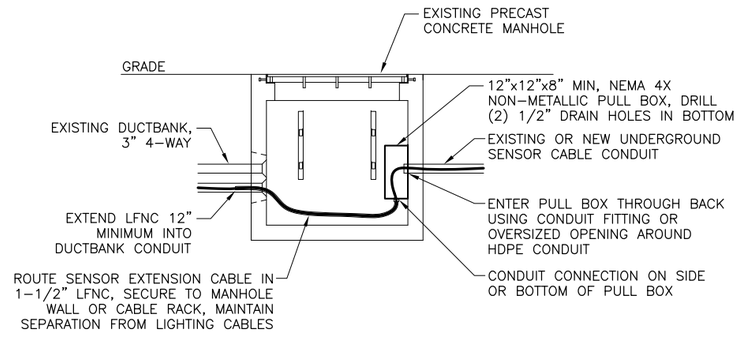
PLAN VIEW



SECTION VIEW

NOTE:
VERIFY DIMENSIONS, MATERIALS, AND INSTALLATION METHODS WITH MANUFACTURER'S RECOMMENDATIONS.

2 / E19 SURFACE SENSOR INSTALLATION DETAIL
NTS



3 / E19 SENSOR EXTENSION CABLE INSTALLATION DETAIL
NTS

Designed By: LPS
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Layout Name: ELECTRICAL DETAILS 9
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AIP No. 3-02-0016-XXX-2026
ELECTRICAL DETAILS 9

DATE: 01/06/2026
SHEET: E19 OF E22

SIGN SCHEDULE

NUM	SIDE	PANEL	LEGEND	TYPE	LEGEND COLOR	FACE COLOR	STATION	OFFSET	SIZE	STYLE	CLASS	MODE	XFMR	REMARKS
S1	1	1	Z	L-858L	YELLOW	BLACK	98+80.79	97.50 RT	3	2	2	3	100	
	2	1	Z	L-858L	YELLOW	BLACK								
		2	Z2 →	L-858Y	BLACK	YELLOW								
S2	1	1	Z	L-858L	YELLOW	BLACK	90+79.52	150.84 LT	3	2	2	3	100	
		2	← Z2	L-858Y	BLACK	YELLOW								
	2	1	Z	L-858L	YELLOW	BLACK								
S3	1	1	7R-25L	L-858R	WHITE	RED	92+47.12	367.00 LT	3	2	2	3	150	
		2	Z2	L-858L	YELLOW	BLACK								
	2	1	Z2	L-858L	YELLOW	BLACK								
S4	1	1	Z2	L-858L	YELLOW	BLACK	88+16.91	367.00 LT	3	2	2	3	150	
		2	7R-25L	L-858R	WHITE	RED								
	2	1	Z2	L-858L	YELLOW	BLACK								
S5	1	1	Z2 →	L-858Y	BLACK	YELLOW	1112+74.54	160.00 RT	3	2	2	3	100	
	2	1	–	–	–	–								
S6	1	1	Z	L-858L	YELLOW	BLACK	104+07.00	135.75 LT	3	2	2	3	100	SEE NOTE 1
		2	←R→	L-858Y	BLACK	YELLOW								
	2	1	Z	L-858L	YELLOW	BLACK								
S7	1	1	R	L-858L	YELLOW	BLACK	105+15.01	219.33 RT	3	2	2	3	–	SEE NOTE 2
		2	←Z→	L-858Y	BLACK	YELLOW								
	2	1	R	L-858L	YELLOW	BLACK								
S8	1	1	R	L-858L	YELLOW	BLACK	106+69.13	218.33 LT	3	2	2	3	–	SEE NOTE 2
	2	1	←Z→	L-858Y	BLACK	YELLOW								
		2	R	L-858L	YELLOW	BLACK								

NOTE 1: INSTALL SIGN ON EXISTING FOUNDATION.

NOTE 2: EXISTING SIGN TO REMAIN. PROVIDE NEW 2-MODULE DIRECTION PANEL ONLY. WORK IS SUBSIDIARY TO L125.130.0000.

NOTE 3: MANUFACTURER SHALL VERIFY TRANSFORMER SIZES BASED ON SIGN CONFIGURATION AS PART OF SUBMITTAL PROCESS.

ELECTRICAL MANHOLE SCHEDULE

NUM	LOAD RATING	SIZE	SYSTEM/LEGEND	STATION	OFFSET	REMARKS
MH-F10	–	6'x6'x5'	FAA FOTS	10+53.07	164.61 LT	EXISTING TO REMAIN
MH-F12	H-20	4'x4'x4'	FAA FOTS	N321330.41	E329080.75	
MH-F13	–	6'x6'	FAA FOTS	97+34.51	206.35 RT	EXISTING TO REMAIN

NOTES:

1. LOCATIONS ARE APPROXIMATE, FIELD LOCATE NEW MANHOLES BASED ON FIELD CONDITIONS.
2. DEPTH/HEIGHT DIMENSION IS FROM FINISHED GRADE TO INTERIOR FLOOR OF MANHOLE IN FINAL CONFIGURATION. MANHOLE DEPTH DIMENSIONS ARE NOMINAL MINIMUM DEPTH AND MAY BE ADJUSTED TO MATCH STANDARD PRECAST PRODUCTION SIZES EXCEPT AS NOTED. ADJUSTED SIZES SHALL BE NOTED AS PART OF THE SUBMITTAL PROCESS AND SHALL BE APPROVED PRIOR TO FABRICATION. 4' DEEP MANHOLES SHALL NOT BE INCREASED IN DEPTH TO AVOID CLASSIFICATION AS CONFINED SPACES.
3. MANHOLE HORIZONTAL SIZE DIMENSIONS ARE NOMINAL INSIDE DIMENSIONS AND MAY BE ADJUSTED TO MATCH STANDARD PRECAST PRODUCTION SIZES. ADJUSTED SIZES SHALL NOT SUBSTANTIALLY REDUCE THE INTERIOR AREA OF THE MANHOLE. ADJUSTED SIZES SHALL BE NOTED AS PART OF THE SUBMITTAL PROCESS AND SHALL BE APPROVED PRIOR TO FABRICATION.
4. PROVIDE WATERPROOF SIGN ON UNDERSIDE OF MANHOLE LID FOR MANHOLES GREATER THAN 4' DEEP: "DANGER – CONFINED SPACE AUTHORIZED PERSONNEL ONLY."

DEMOLITION SCHEDULE

NUM	STATION	OFFSET	REMARKS
D1	1117+86.46	110.00 RT	RW EDGE LIGHT
D2	1115+89.50	110.00 RT	RW EDGE LIGHT
D3	1113+92.54	110.00 RT	RW EDGE LIGHT

EXISTING LIGHT SCHEDULE

NUM	LENS COLOR	TYPE	WATTAGE LAMP	WATTAGE XFMR	CKT	STATION	OFFSET	WORK SCOPE	REMARKS
X1	W/W	L-850A	EXST	EXST	R-6	1110+50.15	2.50 RT	A	
X2	W/W	L-850A	EXST	EXST	R-6	1111+00.15	2.50 RT	A	
X3	W/W	L-850A	EXST	EXST	R-6	1111+50.15	2.50 RT	A	
X4	W/W	L-850A	EXST	EXST	R-6	1112+00.15	2.50 RT	A	
X5	W/W	L-850A	EXST	EXST	R-6	1112+50.15	2.50 RT	A	
X6	W/W	L-850A	EXST	EXST	R-6	1113+00.15	2.50 RT	A	
X7	W/W	L-850A	EXST	EXST	R-6	1113+50.15	2.50 RT	A	
X8	W/W	L-850A	EXST	EXST	R-6	1114+00.15	2.50 RT	A	
X9	W/W	L-850A	EXST	EXST	R-6	1114+50.15	2.50 RT	A	
X10	W/W	L-850A	EXST	EXST	R-6	1115+00.15	2.50 RT	A	
X11	W/W	L-850A	EXST	EXST	R-6	1115+50.15	2.50 RT	A	
X12	W/W	L-850A	EXST	EXST	R-6	1116+00.15	2.50 RT	A	
X13	W/W	L-850A	EXST	EXST	R-6	1116+50.15	2.50 RT	A	
X14	W/W	L-850A	EXST	EXST	R-6	1117+00.15	2.50 RT	A	

WORK SCOPE

A: REMOVE EXISTING FIXTURE, FLANGE RING, SPACER RINGS, AND TOP SECTION. INSTALL SHORTING CAP ON TRANSFORMER SECONDARY. INSTALL PLYWOOD COVER AND MUDPLATE FOR PAVING. AFTER ASPHALT WORK IS COMPLETE, REINSTALL EXISTING 3" TOP SECTION AND FIXTURE WITH NEW SPACER RINGS AND FLANGE RING IN ACCORDANCE WITH DETAILS FOR A NEW INSTALLATION. WORK IS PAID FOR UNDER L125.210.0000.

RUNWAY GUARD LIGHT SCHEDULE

NUM	LENS COLOR	TYPE	WATTAGE LAMP	WATTAGE XFMR	STATION	OFFSET	REMARKS
H1	Y	L-804	LED	30/45	1119+68.19	283.00 RT	
H2	Y	L-852G	LED	30/45	1119+98.59	283.00 RT	
H3	Y	L-852G	LED	30/45	1120+08.43	283.00 RT	
H4	Y	L-852G	LED	30/45	1120+18.26	283.00 RT	
H5	Y	L-852G	LED	30/45	1120+28.09	283.00 RT	
H6	Y	L-852G	LED	30/45	1120+37.93	283.00 RT	
H7	Y	L-852G	LED	30/45	1120+47.76	283.00 RT	
H8	Y	L-852G	LED	30/45	1120+57.59	283.00 RT	
H9	Y	L-852G	LED	30/45	1120+67.43	283.00 RT	
H10	Y	L-852G	LED	30/45	1120+77.26	283.00 RT	
H11	Y	L-852G	LED	30/45	1120+87.09	283.00 RT	
H12	Y	L-852G	LED	30/45	1120+96.93	283.00 RT	
H13	Y	L-852G	LED	30/45	1121+06.76	283.00 RT	
H14	Y	L-852G	LED	30/45	1121+16.59	283.00 RT	
H15	Y	L-852G	LED	30/45	1121+26.43	283.00 RT	
H16	Y	L-852G	LED	30/45	1121+36.26	283.00 RT	
H17	Y	L-852G	LED	30/45	1121+46.09	283.00 RT	
H18	Y	L-852G	LED	30/45	1121+55.93	283.00 RT	
H19	Y	L-804	LED	30/45	1121+90.09	283.00 RT	

HANDHOLE SCHEDULE

NUM	TYPE	SIZE	STATION	OFFSET	REMARKS
HH1	I	B	94+03.47	233.39 LT	
HH2	I	B	96+44.66	113.46 LT	
HH3	I	B	10+44.66	113.46 LT	
HH4	I	D	94+37.63	222.03 LT	PAID UNDER L-130
HH5	I	D	96+45.80	120.03 LT	PAID UNDER L-130
HH6	I	D	10+44.66	120.03 LT	PAID UNDER L-130

NOTES:

1. LOCATIONS ARE APPROXIMATE, FIELD LOCATE HANDHOLES AND JUNCTION BOXES.

RUNWAY EDGE LIGHT SCHEDULE

NUM	LENS COLOR	TYPE	WATTAGE LAMP	WATTAGE XFMR	STATION	OFFSET	REMARKS
R1	W	L-850C	(2) 105	200	1113+92.54	110.00 RT	
R2	W	L-850C	(2) 105	200	1115+89.50	110.00 RT	
R3	W	L-850C	(2) 105	200	1117+86.46	110.00 RT	

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BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
ELECTRICAL SCHEDULES

DATE: 01/06/2026

SHEET: E20 OF E22

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

Date Revised: 1/06/2026, 4:44 PM
Layout Name: SCHEDULES 1
File Path and Name: U:\207301691O\drawing\e\sheets\00929-ANC-E20-E23_SCHEDULES.dwg

TAXIWAY EDGE LIGHT SCHEDULE

NUM	LENS COLOR	TYPE	WATTAGE LAMP	WATTAGE XFMR	STATION	OFFSET		REMARKS
E1	–	–	–	–	88+34.12	47.50	RT	SEE NOTE 1
E2	–	–	–	–	89+29.59	47.50	RT	SEE NOTE 1
E3	–	–	–	–	90+25.05	47.50	RT	SEE NOTE 1
E4	–	–	–	–	90+70.52	47.50	RT	SEE NOTE 1
E5	–	–	–	–	91+20.52	47.50	RT	SEE NOTE 1
E6	–	–	–	–	92+08.17	47.50	RT	SEE NOTE 1
E7	B	L-861T	30	30/45	92+95.83	47.50	RT	
E8	B	L-861T	30	30/45	93+83.48	47.50	RT	
E9	B	L-861T	30	30/45	94+71.14	47.50	RT	
E10	B	L-861T	30	30/45	95+58.79	47.50	RT	
E11	B	L-861T	30	30/45	96+46.45	47.50	RT	
E12	B	L-861T	30	30/45	97+34.11	47.50	RT	
E13	B	L-861T	30	30/45	98+21.76	47.50	RT	
E14	B	L-861T	30	30/45	98+68.46	47.50	RT	
E15	B	L-861T	30	30/45	100+29.60	47.50	RT	
E16	B	L-861T	30	30/45	101+40.74	47.50	RT	
E17	B	L-861T	30	30/45	101+90.74	47.50	RT	
E18	B	L-861T	30	30/45	N321489.25	E329069.20		
E19	B	L-861T	30	30/45	102+47.75	47.56	RT	
E20	B	L-861T	30	30/45	102+81.69	47.62	RT	
E21	B	L-861T	30	30/45	103+14.38	47.83	RT	SEE NOTE 2
E22	B	L-861T	30	30/45	104+01.99	48.91	RT	SEE NOTE 2
E23	B	L-861T	30	30/45	104+39.61	49.38	RT	SEE NOTE 2
E24	B	L-861T	30	30/45	104+89.60	49.99	RT	SEE NOTE 2
E25	B	L-861T	30	30/45	105+13.72	56.57	RT	SEE NOTE 2
E26	B	L-861T	30	30/45	104+77.19	107.69	LT	SEE NOTE 2
E27	B	L-861T	30	30/45	104+55.44	94.94	LT	SEE NOTE 2
E28	B	L-861T	30	30/45	103+99.67	83.08	LT	SEE NOTE 2
E29	B	L-861T	30	30/45	103+43.89	71.22	LT	SEE NOTE 2
E30	B	L-861T	30	30/45	102+81.87	58.03	LT	
E31	B	L-861T	30	30/45	102+47.84	57.09	LT	
E32	B	L-861T	30	30/45	102+06.51	55.25	LT	
E33	B	L-861T	30	30/45	101+90.74	52.73	LT	
E34	B	L-861T	30	30/45	101+40.74	52.85	LT	
E35	B	L-861T	30	30/45	100+29.60	53.11	LT	
E36	B	L-861T	30	30/45	98+68.46	53.48	LT	
E37	B	L-861T	30	30/45	98+33.07	57.11	LT	
E38	B	L-861T	30	30/45	97+09.20	79.91	LT	
E39	B	L-861T	30	30/45	95+90.52	122.10	LT	
E40	B	L-861T	30	30/45	95+57.99	136.68	LT	
E41	B	L-861T	30	30/45	94+73.37	183.39	LT	
E42	B	L-861T	30	30/45	93+88.77	230.08	LT	
E43	B	L-861T	30	30/45	93+04.14	276.79	LT	
E44	B	L-861T	30	30/45	92+20.27	324.77	LT	
E45	B	L-861T	30	30/45	91+76.96	349.77	LT	
E46	B	L-861T	30	30/45	1121+70.44	273.38	RT	
E47	B	L-861T	30	30/45	1120+92.27	228.25	RT	
E48	B	L-861T	30	30/45	1120+14.10	183.12	RT	
E49	B	L-861T	30	30/45	1119+35.93	137.99	RT	
E50	B	L-861T	30	30/45	1119+28.46	125.90	RT	
E51	B	L-861T	30	30/45	1119+34.43	113.00	RT	
E52	B	L-861T	30	30/45	1119+34.43	118.00	RT	
E53	B	L-861T	30	30/45	1112+74.54	118.00	RT	
E54	B	L-861T	30	30/45	1112+74.54	113.00	RT	
E55	B	L-861T	30	30/45	1114+39.93	119.21	RT	
E56	B	L-861T	30	30/45	1116+03.28	146.72	RT	
E57	B	L-861T	30	30/45	1117+62.57	192.19	RT	
E58	B	L-861T	30	30/45	1119+15.82	255.06	RT	
E59	B	L-861T	30	30/45	90+21.18	315.45	LT	
E60	B	L-861T	30	30/45	90+37.65	305.21	LT	

TAXIWAY EDGE LIGHT SCHEDULE (CONT)

NUM	LENS COLOR	TYPE	WATTAGE LAMP	WATTAGE XFMR	STATION	OFFSET		REMARKS
E61	B	L-861T	30	30/45	90+65.16	276.56	LT	
E62	B	L-861T	30	30/45	90+92.66	247.92	LT	
E63	B	L-861T	30	30/45	91+20.17	219.28	LT	
E64	B	L-861T	30	30/45	91+47.68	190.63	LT	
E65	B	L-861T	30	30/45	91+60.40	166.96	LT	
E66	–	–	–	–	91+59.02	140.12	LT	SEE NOTE 1
E67	–	–	–	–	91+43.96	117.87	LT	SEE NOTE 1
E68	–	–	–	–	91+19.54	106.63	LT	SEE NOTE 1
E69	–	–	–	–	90+71.97	98.99	LT	SEE NOTE 1
E70	–	–	–	–	90+24.40	91.35	LT	SEE NOTE 1
E71	–	–	–	–	89+76.83	83.71	LT	SEE NOTE 1
E72	–	–	–	–	89+29.26	76.07	LT	SEE NOTE 1
E73	–	–	–	–	88+81.69	68.42	LT	SEE NOTE 1
E74	–	–	–	–	88+34.12	60.78	LT	SEE NOTE 1

NOTE 1: LIGHT BASE WITH BLANK COVER ONLY. NO FIXTURE OR TRANSFORMER. PAID UNDER L125.150.0000. INSTALL LIGHT BASE PER DETAIL 2/E13 AT PROPER ELEVATION FOR FIXTURE INSTALLATION.

NOTE 2: INSTALL NEW FIXTURE AND TRANSFORMER PER DETAIL 2/E13 ON EXISTING LIGHT BASE. PAID UNDER L125.210.0000.

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

Date Revised: 1/06/2026, 4:44 PM
Layout Name: SCHEDULES 2
File Path and Name: U:\20730116910\drawing\e\sheets\00929-ANC-E20-E23_SCHEDULES.dwg

STATE OF ALASKA 49TH
LUCAS SCHNELLER EE-11399
REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
3900 C ST SUITE 902
ANCHORAGE, AK 99503-5963
(907) 276-4245
CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
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TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
TAXIWAY EDGE LIGHT SCHEDULE

DATE: 01/06/2026

TAXIWAY CENTERLINE LIGHT SCHEDULE

NUM	LENS COLOR	TYPE	WATTAGE LAMP	WATTAGE XFMR	CKT	STATION	OFFSET		REMARKS
C1	–	–	–	–	–	88+41.27	2.50	LT	SEE NOTE 1
C2	–	–	–	–	–	88+87.81	2.50	LT	SEE NOTE 1
C3	–	–	–	–	–	89+34.35	2.50	LT	SEE NOTE 1
C4	–	–	–	–	–	89+80.89	2.50	LT	SEE NOTE 1
C5	–	–	–	–	–	90+27.43	2.50	LT	SEE NOTE 1
C6	–	–	–	–	–	90+73.97	2.50	LT	SEE NOTE 1
C7	–	–	–	–	–	91+69.02	2.50	LT	SEE NOTE 1
C8	–	–	–	–	–	92+17.52	2.50	LT	SEE NOTE 1
C9	–	–	–	–	–	92+66.02	2.50	LT	SEE NOTE 1
C10	–	–	–	–	–	93+14.53	2.50	LT	SEE NOTE 1
C11	–	–	–	–	–	93+63.03	2.50	LT	SEE NOTE 1
C12	–	–	–	–	–	94+11.53	2.50	LT	SEE NOTE 1
C13	–	–	–	–	–	94+60.03	2.50	LT	SEE NOTE 1
C14	–	–	–	–	–	95+08.54	2.50	LT	SEE NOTE 1
C15	–	–	–	–	–	95+57.04	2.50	LT	SEE NOTE 1
C16	–	–	–	–	–	96+05.54	2.50	LT	SEE NOTE 1
C17	–	–	–	–	–	96+54.05	2.50	LT	SEE NOTE 1
C18	–	–	–	–	–	97+02.55	2.50	LT	SEE NOTE 1
C19	–	–	–	–	–	91+20.52	2.50	LT	SEE NOTE 1
C20	–	–	–	–	–	91+32.73	3.00	LT	SEE NOTE 1
C21	–	–	–	–	–	91+44.87	4.50	LT	SEE NOTE 1
C22	–	–	–	–	–	91+56.84	6.98	LT	SEE NOTE 1
C23	–	–	–	–	–	91+68.57	10.43	LT	SEE NOTE 1
C24	–	–	–	–	–	91+79.98	14.83	LT	SEE NOTE 1
C25	–	–	–	–	–	91+90.99	20.15	LT	SEE NOTE 1
C26	–	–	–	–	–	92+01.53	26.35	LT	SEE NOTE 1
C27	–	–	–	–	–	92+11.53	33.39	LT	SEE NOTE 1
C28	–	–	–	–	–	92+20.91	41.23	LT	SEE NOTE 1
C29	–	–	–	–	–	92+29.63	49.80	LT	SEE NOTE 1
C30	–	–	–	–	–	92+37.62	59.06	LT	SEE NOTE 1
C31	–	–	–	–	–	92+44.82	68.94	LT	SEE NOTE 1
C32	–	–	–	–	–	92+51.19	79.38	LT	SEE NOTE 1
C33	–	–	–	–	–	92+56.69	90.30	LT	SEE NOTE 1
C34	–	–	–	–	–	92+61.28	101.64	LT	SEE NOTE 1
C35	–	–	–	–	–	92+64.92	113.31	LT	SEE NOTE 1
C36	–	–	–	–	–	92+67.60	125.24	LT	SEE NOTE 1
C37	–	–	–	–	–	92+69.30	137.35	LT	SEE NOTE 1
C38	–	–	–	–	–	92+70.00	149.55	LT	SEE NOTE 1
C39	–	–	–	–	–	92+69.70	161.78	LT	SEE NOTE 1
C40	–	–	–	–	–	92+68.40	173.94	LT	SEE NOTE 1
C41	–	–	–	–	–	92+66.11	185.95	LT	SEE NOTE 1
C42	–	–	–	–	–	92+62.85	197.73	LT	SEE NOTE 1
C43	–	–	–	–	–	92+58.64	209.21	LT	SEE NOTE 1
C44	–	–	–	–	–	92+53.50	220.31	LT	SEE NOTE 1
C45	–	–	–	–	–	92+47.47	230.95	LT	SEE NOTE 1
C46	–	–	–	–	–	92+40.59	241.06	LT	SEE NOTE 1
C47	–	–	–	–	–	92+32.92	250.57	LT	SEE NOTE 1
C48	–	–	–	–	–	92+24.48	259.43	LT	SEE NOTE 1
C49	–	–	–	–	–	92+15.36	267.57	LT	SEE NOTE 1
C50	–	–	–	–	–	92+05.60	274.93	LT	SEE NOTE 1
C51	G/G	L-852D	LED	100	T-25	91+95.27	281.47	LT	
C52	G/G	L-852D	LED	100	T-10	91+55.58	304.39	LT	
C53	G/G	L-852D	LED	100	T-25	91+15.89	327.30	LT	
C54	G/Y	L-852D	LED	100	T-10	90+76.20	350.21	LT	YELLOW FACES RUNWAY
C55	G/G	L-852D	LED	100	T-10	1120+76.48	276.87	RT	
C56	Y/Y	L-852D	LED	100	T-10	1120+36.79	253.96	RT	
C57	G/G	L-852D	LED	100	T-10	1119+97.10	231.04	RT	
C58	Y/Y	L-852D	LED	100	T-10	1119+57.41	208.13	RT	
C59	G/G	L-852D	LED	100	T-10	1119+14.58	184.32	RT	
C60	Y/Y	L-852D	LED	100	T-10	1118+70.99	161.93	RT	

TAXIWAY CENTERLINE LIGHT SCHEDULE (CONT)

NUM	LENS COLOR	TYPE	WATTAGE LAMP	WATTAGE XFMR	CKT	STATION	OFFSET		REMARKS
C61	G/G	L-852D	LED	100	T-10	1118+26.69	140.98	RT	
C62	Y/Y	L-852D	LED	100	T-10	1117+81.73	121.49	RT	
C63	G/G	L-852D	LED	100	T-10	1117+36.15	103.48	RT	
C64	Y/Y	L-852D	LED	100	T-10	1116+90.02	86.97	RT	
C65	G/G	L-852D	LED	100	T-10	1116+43.36	71.98	RT	
C66	Y/Y	L-852D	LED	100	T-10	1115+96.24	58.53	RT	
C67	G/G	L-852D	LED	100	T-10	1115+48.71	46.62	RT	
C68	Y/Y	L-852D	LED	100	T-10	1115+00.81	36.27	RT	
C69	G/G	L-852D	LED	100	T-10	1114+52.60	27.50	RT	
C70	Y/Y	L-852D	LED	100	T-10	1114+04.12	20.31	RT	
C71	G/G	L-852D	LED	100	T-10	1113+55.44	14.71	RT	
C72	Y/Y	L-852D	LED	100	T-10	1113+06.60	10.71	RT	
C73	G/G	L-852D	LED	100	T-10	1112+57.66	8.30	RT	
C74	Y/Y	L-852D	LED	100	T-10	1112+08.66	7.50	RT	
C75	G/G	L-852D	LED	100	T-10	1111+58.66	7.50	RT	
C76	Y/Y	L-852D	LED	100	T-10	1111+08.66	7.50	RT	
C77	G/G	L-852D	LED	100	T-10	1110+58.66	7.50	RT	
C78	G/G	L-852D	LED	100	T-10	1110+08.66	7.50	RT	
C79	G/G	L-852D	LED	100	T-10	92+36.96	257.40	LT	
C80	G/G	L-852C	LED	100	T-25	92+78.65	233.33	LT	
C81	G/G	L-852C	LED	100	T-10	93+20.35	209.25	LT	
C82	G/G	L-852C	LED	100	T-25	93+62.04	185.18	LT	
C83	G/G	L-852C	LED	100	T-10	94+03.74	161.11	LT	
C84	G/G	L-852C	LED	100	T-25	94+45.43	137.04	LT	
C85	G/G	L-852C	LED	100	T-10	94+87.12	112.97	LT	
C86	G/G	L-852C	LED	100	T-25	95+28.82	88.89	LT	
C87	G/G	L-852D	LED	100	T-10	95+70.51	64.82	LT	
C88	G/G	L-852D	LED	100	T-25	95+91.59	53.31	LT	
C89	G/G	L-852D	LED	100	T-10	96+13.20	42.83	LT	
C90	G/G	L-852D	LED	100	T-25	96+35.28	33.38	LT	
C91	G/G	L-852D	LED	100	T-10	96+57.79	25.00	LT	
C92	G/G	L-852D	LED	100	T-25	96+80.68	17.71	LT	
C93	G/G	L-852D	LED	100	T-10	97+03.88	11.52	LT	
C94	G/G	L-852D	LED	100	T-25	97+27.36	6.45	LT	
C95	G/G	L-852D	LED	100	T-10	97+51.05	2.50	LT	
C96	G/G	L-852C	LED	100	T-25	97+97.62	2.50	LT	
C97	G/G	L-852C	LED	100	T-10	98+44.20	2.50	LT	
C98	G/G	L-852C	LED	100	T-25	98+90.77	2.50	LT	
C99	G/G	L-852C	LED	100	T-10	99+37.34	2.50	LT	
C100	G/G	L-852C	LED	100	T-25	99+83.91	2.50	LT	
C101	G/G	L-852C	LED	100	T-10	100+30.48	2.50	LT	
C102	G/G	L-852C	LED	100	T-25	100+77.06	2.50	LT	
C103	G/G	L-852C	LED	100	T-10	101+23.63	2.50	LT	
C104	G/G	L-852C	LED	100	T-25	101+70.20	2.50	LT	
C105	G/G	L-852D	LED	100	T-10	102+16.77	2.50	LT	
C106	G/G	L-852C	LED	100	T-25	102+68.53	2.50	LT	
C107	G/G	L-852C	LED	100	T-10	103+19.95	2.50	LT	SEE NOTE 2
C108	G/G	L-852C	LED	100	T-25	103+66.55	2.50	LT	SEE NOTE 2
C109	G/G	L-852C	LED	100	T-10	104+13.14	2.50	LT	SEE NOTE 2
C110	G/G	L-852C	LED	100	T-10	105+06.87	2.50	LT	SEE NOTE 2
C111	G/G	L-852C	LED	100	T-25	105+54.00	2.50	LT	SEE NOTE 2
C112	G/G	L-852D	(2) 30	65	T-24	106+39.72	2.50	LT	SEE NOTE 2
C113	G/G	L-852D	(2) 30	65	T-16	106+77.40	2.50	LT	SEE NOTE 2
C114	G/G	L-852D	LED	100	T-25	104+59.73	2.50	LT	SEE NOTE 2
C115	G/G	L-852D	LED	100	T-10	104+71.11	3.04	LT	SEE NOTE 2
C116	G/G	L-852D	LED	100	T-25	104+82.38	4.65	LT	SEE NOTE 2
C117	G/G	L-852D	LED	100	T-10	104+93.45	7.32	LT	SEE NOTE 2
C118	G/G	L-852D	LED	100	T-25	105+04.22	11.02	LT	SEE NOTE 2
C119	G/G	L-852D	LED	100	T-10	105+14.60	15.72	LT	SEE NOTE 2
C120	G/G	L-852D	LED	100	T-25	105+24.48	21.37	LT	SEE NOTE 2

TAXIWAY CENTERLINE LIGHT SCHEDULE (CONT)

NUM	LENS COLOR	TYPE	WATTAGE LAMP	WATTAGE XFMR	CKT	STATION	OFFSET		REMARKS
C121	G/G	L-852D	LED	100	T-10	105+33.78	27.94	LT	SEE NOTE 2
C122	G/G	L-852D	LED	100	T-25	105+42.43	35.36	LT	SEE NOTE 2
C123	G/G	L-852D	LED	100	T-10	105+50.33	43.55	LT	SEE NOTE 2
C124	G/G	L-852D	LED	100	T-25	105+57.43	52.46	LT	SEE NOTE 2
C125	G/G	L-852D	LED	100	T-10	105+63.65	62.00	LT	SEE NOTE 2
C126	G/G	L-852D	LED	100	T-25	105+68.95	72.08	LT	SEE NOTE 2
C127	G/G	L-852D	LED	100	T-10	105+73.26	82.62	LT	SEE NOTE 2
C128	G/G	L-852D	LED	100	T-25	105+76.57	93.52	LT	SEE NOTE 2
C129	G/G	L-852D	LED	100	T-10	105+78.83	104.68	LT	SEE NOTE 2
C130	G/G	L-852D	LED	100	T-25	105+80.03	116.00	LT	SEE NOTE 2
C131	G/G	L-852D	LED	100	T-10	105+80.15	127.39	LT	SEE NOTE 2
C132	G/G	L-852D	LED	100	T-25	105+26.15	2.50	LT	SEE NOTE 2
C133	G/G	L-852D	LED	100	T-10	105+38.62	3.58	LT	SEE NOTE 2
C134	G/G	L-852D	LED	100	T-25	105+50.71	6.79	LT	SEE NOTE 2
C135	G/G	L-852D	LED	100	T-10	105+62.08	12.03	LT	SEE NOTE 2
C136	G/G	L-852D	LED	100	T-25	105+72.37	19.14	LT	SEE NOTE 2
C137	G/G	L-852D	LED	100	T-10	105+81.29	27.92	LT	SEE NOTE 2
C138	G/G	L-852D	LED	100	T-25	105+88.56	38.10	LT	SEE NOTE 2
C139	G/G	L-852D	LED	100	T-10	105+93.98	49.39	LT	SEE NOTE 2
C140	G/G	L-852D	LED	100	T-25	106+05.41	61.25	LT	SEE NOTE 2
C141	G/G	L-852D	LED	100	T-10	106+08.27	73.24	LT	SEE NOTE 2

NOTE 1: LIGHT BASE WITH BLANK COVER. NO FIXTURE OR TRANSFORMER. PAID UNDER L125.060.0000. INSTALL LIGHT BASE PER SHEET E14 AT PROPER ELEVATION FOR FIXTURE INSTALLATION.

NOTE 2: INSTALL NEW FIXTURE AND TRANSFORMER PER SHEET E14 ON EXISTING LIGHT BASE. PAID UNDER L125.210.0000.

Designed By: LPS
Drawn By: JCA/LPS
Checked By: HAB

Date Revised: 1/06/2026, 4:44 PM
Layout Name: SCHEDULES 3
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STATE OF ALASKA · 49TH · LUCAS SCHNELLER · EE-11399 · REGISTERED PROFESSIONAL ENGINEER

STANTEC CONSULTING SERVICES INC.
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CERTIFICATION OF AUTHORIZATION
#126386

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
TAXIWAY CENTERLINE LIGHT SCHEDULE

DATE: 01/06/2026

SHEET: E22 OF E22

TO BE PROVIDED BY DOT&PF

Designed By:	EJG
Drawn By:	JAG
Checked By:	EJG

Date Revised:	1/09/2026, 2:45 PM
Layout Name:	SURVEY CONTROL
File Path and Name:	U:\207301691O\drawing\c\sheets\00929-ANC-SURVEY-CONTROL.dwg

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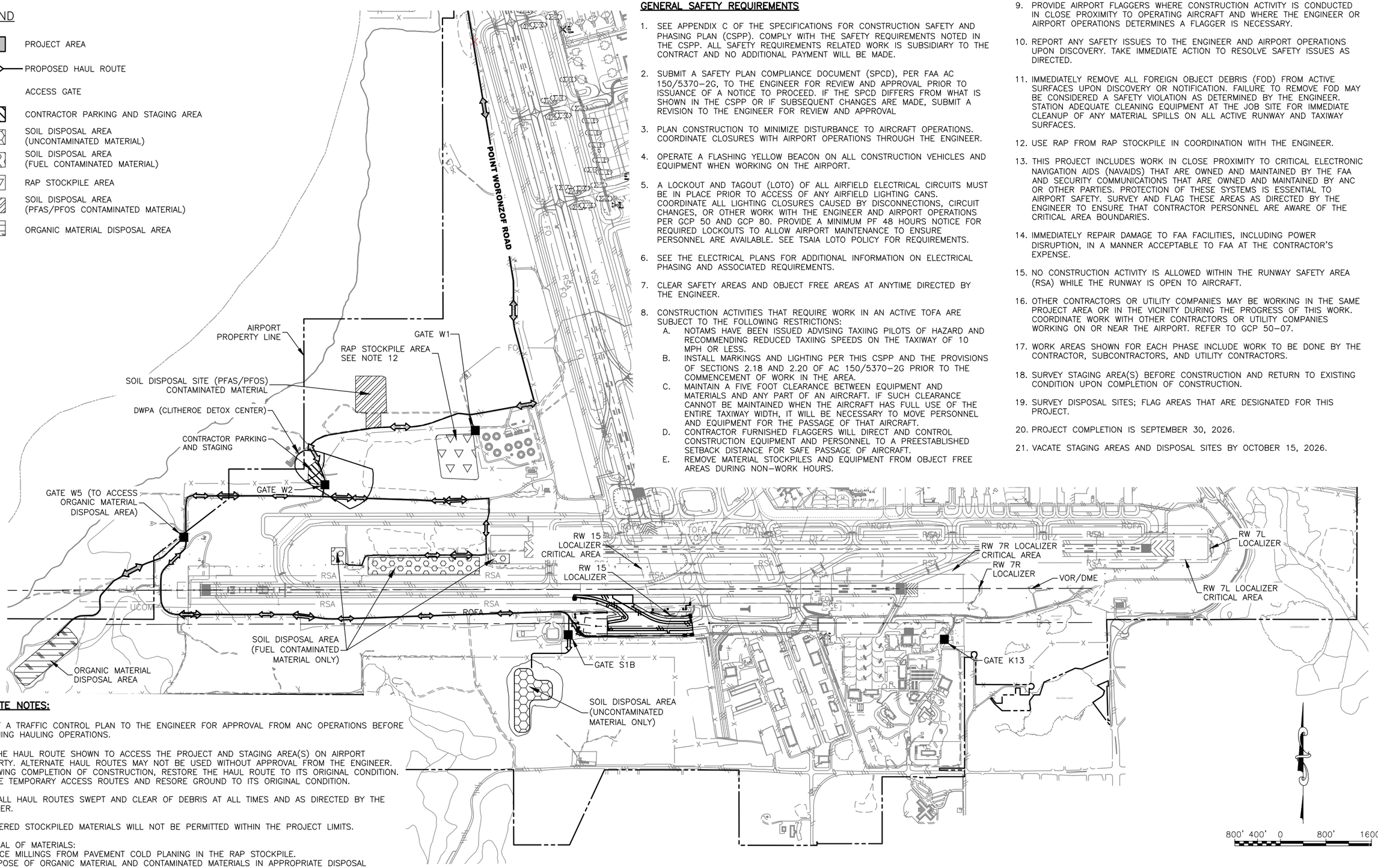
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
SURVEY CONTROL

DATE: 01/09/2026

SHEET: AB1 OF AB1

LEGEND

- PROJECT AREA
- PROPOSED HAUL ROUTE
- ACCESS GATE
- CONTRACTOR PARKING AND STAGING AREA
- SOIL DISPOSAL AREA (UNCONTAMINATED MATERIAL)
- SOIL DISPOSAL AREA (FUEL CONTAMINATED MATERIAL)
- RAP STOCKPILE AREA
- SOIL DISPOSAL AREA (PFAS/PFOS CONTAMINATED MATERIAL)
- ORGANIC MATERIAL DISPOSAL AREA



GENERAL SAFETY REQUIREMENTS

1. SEE APPENDIX C OF THE SPECIFICATIONS FOR CONSTRUCTION SAFETY AND PHASING PLAN (CSPP). COMPLY WITH THE SAFETY REQUIREMENTS NOTED IN THE CSPP. ALL SAFETY REQUIREMENTS RELATED WORK IS SUBSIDIARY TO THE CONTRACT AND NO ADDITIONAL PAYMENT WILL BE MADE.
2. SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT (SPCD), PER FAA AC 150/5370-2G, TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A NOTICE TO PROCEED. IF THE SPCD DIFFERS FROM WHAT IS SHOWN IN THE CSPP OR IF SUBSEQUENT CHANGES ARE MADE, SUBMIT A REVISION TO THE ENGINEER FOR REVIEW AND APPROVAL
3. PLAN CONSTRUCTION TO MINIMIZE DISTURBANCE TO AIRCRAFT OPERATIONS. COORDINATE CLOSURES WITH AIRPORT OPERATIONS THROUGH THE ENGINEER.
4. OPERATE A FLASHING YELLOW BEACON ON ALL CONSTRUCTION VEHICLES AND EQUIPMENT WHEN WORKING ON THE AIRPORT.
5. A LOCKOUT AND TAGOUT (LOTO) OF ALL AIRFIELD ELECTRICAL CIRCUITS MUST BE IN PLACE PRIOR TO ACCESS OF ANY AIRFIELD LIGHTING CANS. COORDINATE ALL LIGHTING CLOSURES CAUSED BY DISCONNECTIONS, CIRCUIT CHANGES, OR OTHER WORK WITH THE ENGINEER AND AIRPORT OPERATIONS PER GCP 50 AND GCP 80. PROVIDE A MINIMUM PF 48 HOURS NOTICE FOR REQUIRED LOCKOUTS TO ALLOW AIRPORT MAINTENANCE TO ENSURE PERSONNEL ARE AVAILABLE. SEE TSAIA LOTO POLICY FOR REQUIREMENTS.
6. SEE THE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION ON ELECTRICAL PHASING AND ASSOCIATED REQUIREMENTS.
7. CLEAR SAFETY AREAS AND OBJECT FREE AREAS AT ANYTIME DIRECTED BY THE ENGINEER.
8. CONSTRUCTION ACTIVITIES THAT REQUIRE WORK IN AN ACTIVE TOFA ARE SUBJECT TO THE FOLLOWING RESTRICTIONS:
   - A. NOTAMS HAVE BEEN ISSUED ADVISING TAXIING PILOTS OF HAZARD AND RECOMMENDING REDUCED TAXIING SPEEDS ON THE TAXIWAY OF 10 MPH OR LESS.
   - B. INSTALL MARKINGS AND LIGHTING PER THIS CSPP AND THE PROVISIONS OF SECTIONS 2.18 AND 2.20 OF AC 150/5370-2G PRIOR TO THE COMMENCEMENT OF WORK IN THE AREA.
   - C. MAINTAIN A FIVE FOOT CLEARANCE BETWEEN EQUIPMENT AND MATERIALS AND ANY PART OF AN AIRCRAFT. IF SUCH CLEARANCE CANNOT BE MAINTAINED WHEN THE AIRCRAFT HAS FULL USE OF THE ENTIRE TAXIWAY WIDTH, IT WILL BE NECESSARY TO MOVE PERSONNEL AND EQUIPMENT FOR THE PASSAGE OF THAT AIRCRAFT.
   - D. CONTRACTOR FURNISHED FLAGGERS WILL DIRECT AND CONTROL CONSTRUCTION EQUIPMENT AND PERSONNEL TO A PREESTABLISHED SETBACK DISTANCE FOR SAFE PASSAGE OF AIRCRAFT.
   - E. REMOVE MATERIAL STOCKPILES AND EQUIPMENT FROM OBJECT FREE AREAS DURING NON-WORK HOURS.
9. PROVIDE AIRPORT FLAGGERS WHERE CONSTRUCTION ACTIVITY IS CONDUCTED IN CLOSE PROXIMITY TO OPERATING AIRCRAFT AND WHERE THE ENGINEER OR AIRPORT OPERATIONS DETERMINES A FLAGGER IS NECESSARY.
10. REPORT ANY SAFETY ISSUES TO THE ENGINEER AND AIRPORT OPERATIONS UPON DISCOVERY. TAKE IMMEDIATE ACTION TO RESOLVE SAFETY ISSUES AS DIRECTED.
11. IMMEDIATELY REMOVE ALL FOREIGN OBJECT DEBRIS (FOD) FROM ACTIVE SURFACES UPON DISCOVERY OR NOTIFICATION. FAILURE TO REMOVE FOD MAY BE CONSIDERED A SAFETY VIOLATION AS DETERMINED BY THE ENGINEER. STATION ADEQUATE CLEANING EQUIPMENT AT THE JOB SITE FOR IMMEDIATE CLEANUP OF ANY MATERIAL SPILLS ON ALL ACTIVE RUNWAY AND TAXIWAY SURFACES.
12. USE RAP FROM RAP STOCKPILE IN COORDINATION WITH THE ENGINEER.
13. THIS PROJECT INCLUDES WORK IN CLOSE PROXIMITY TO CRITICAL ELECTRONIC NAVIGATION AIDS (NAVAIDS) THAT ARE OWNED AND MAINTAINED BY THE FAA AND SECURITY COMMUNICATIONS THAT ARE OWNED AND MAINTAINED BY ANC OR OTHER PARTIES. PROTECTION OF THESE SYSTEMS IS ESSENTIAL TO AIRPORT SAFETY. SURVEY AND FLAG THESE AREAS AS DIRECTED BY THE ENGINEER TO ENSURE THAT CONTRACTOR PERSONNEL ARE AWARE OF THE CRITICAL AREA BOUNDARIES.
14. IMMEDIATELY REPAIR DAMAGE TO FAA FACILITIES, INCLUDING POWER DISRUPTION, IN A MANNER ACCEPTABLE TO FAA AT THE CONTRACTOR'S EXPENSE.
15. NO CONSTRUCTION ACTIVITY IS ALLOWED WITHIN THE RUNWAY SAFETY AREA (RSA) WHILE THE RUNWAY IS OPEN TO AIRCRAFT.
16. OTHER CONTRACTORS OR UTILITY COMPANIES MAY BE WORKING IN THE SAME PROJECT AREA OR IN THE VICINITY DURING THE PROGRESS OF THIS WORK. COORDINATE WORK WITH OTHER CONTRACTORS OR UTILITY COMPANIES WORKING ON OR NEAR THE AIRPORT. REFER TO GCP 50-07.
17. WORK AREAS SHOWN FOR EACH PHASE INCLUDE WORK TO BE DONE BY THE CONTRACTOR, SUBCONTRACTORS, AND UTILITY CONTRACTORS.
18. SURVEY STAGING AREA(S) BEFORE CONSTRUCTION AND RETURN TO EXISTING CONDITION UPON COMPLETION OF CONSTRUCTION.
19. SURVEY DISPOSAL SITES; FLAG AREAS THAT ARE DESIGNATED FOR THIS PROJECT.
20. PROJECT COMPLETION IS SEPTEMBER 30, 2026.
21. VACATE STAGING AREAS AND DISPOSAL SITES BY OCTOBER 15, 2026.

HAUL ROUTE NOTES:

1. SUBMIT A TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL FROM ANC OPERATIONS BEFORE BEGINNING HAULING OPERATIONS.
2. USE THE HAUL ROUTE SHOWN TO ACCESS THE PROJECT AND STAGING AREA(S) ON AIRPORT PROPERTY. ALTERNATE HAUL ROUTES MAY NOT BE USED WITHOUT APPROVAL FROM THE ENGINEER. FOLLOWING COMPLETION OF CONSTRUCTION, RESTORE THE HAUL ROUTE TO ITS ORIGINAL CONDITION. REMOVE TEMPORARY ACCESS ROUTES AND RESORE GROUND TO ITS ORIGINAL CONDITION.
3. KEEP ALL HAUL ROUTES SWEPT AND CLEAR OF DEBRIS AT ALL TIMES AND AS DIRECTED BY THE ENGINEER.
4. UNCOVERED STOCKPILED MATERIALS WILL NOT BE PERMITTED WITHIN THE PROJECT LIMITS.
5. DISPOSAL OF MATERIALS:
   a. PLACE MILLINGS FROM PAVEMENT COLD PLANING IN THE RAP STOCKPILE.
   b. DISPOSE OF ORGANIC MATERIAL AND CONTAMINATED MATERIALS IN APPROPRIATE DISPOSAL SITES ON AIRPORT PROPERTY.
   c. DISPOSE OF UNCONTAMINATED MATERIAL IN THE DESIGNATED SOIL DISPOSAL AREA.
   d. DISPOSE OF OTHER CONSTRUCTION -GENERATED WASTE MATERIALS AT AN APPROVED OFFSITE FACILITY.
6. PROVIDE FLAGGERS TO MONITOR AIRCRAFT MOVEMENTS, MAINTAIN SECURITY AT AIRPORT GATES, AND DIRECT CONTRACTOR TRAFFIC AS REQUIRED.

Designed By: XX
Drawn By: XX
Checked By: XX

Date Revised:
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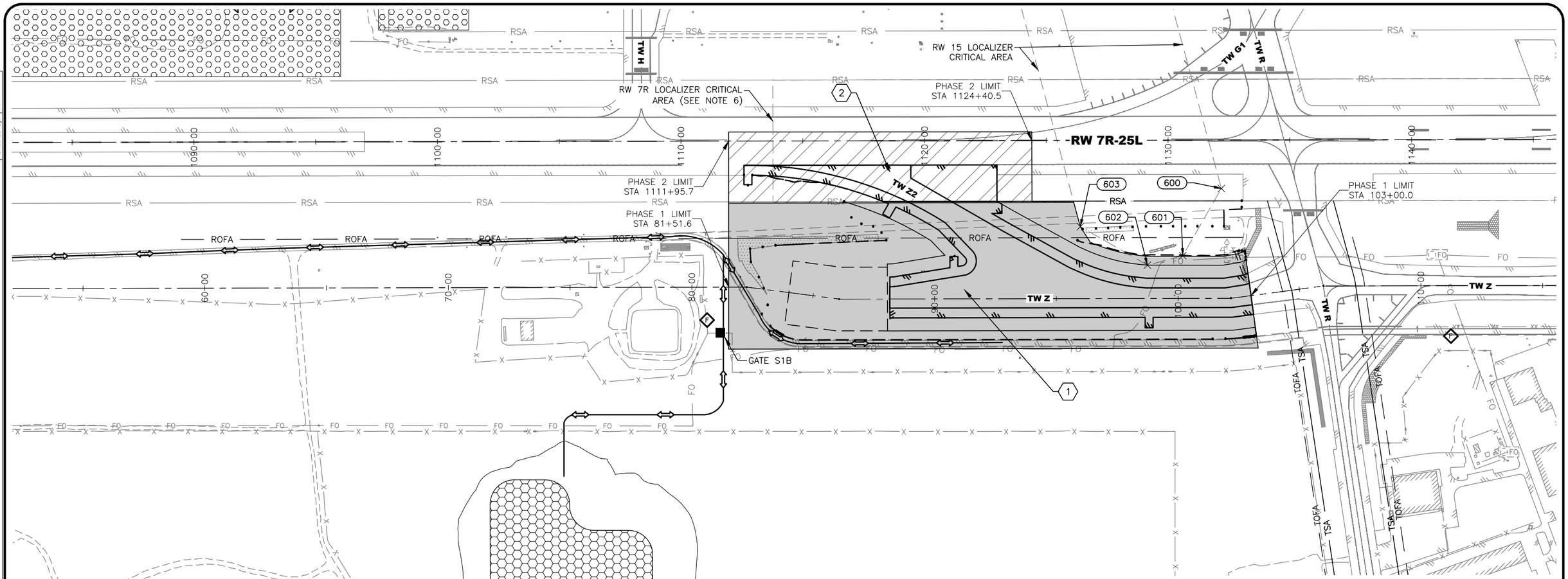
TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
CSPP VICINITY MAP

DATE: 01/09/2026



POINT TABLE			
POINT #	NORTHING	EASTING	DESCRIPTION
600	321987.84	329026.72	RW 15 LOCALIZER CRITICAL AREA POINT
601	321711.95	328868.19	RW 15 LOCALIZER CRITICAL AREA POINT
602	321673.03	328723.02	RW 15 LOCALIZER CRITICAL AREA POINT
603	321831.36	328447.48	RW 15 LOCALIZER CRITICAL AREA POINT

CONSTRUCTION PHASING SCHEDULE				
PHASE	LOCATION	DURATION	CLOSURES	COMPLETION DATE
1	PROJECT AREA OUTSIDE RW 7R RSA	75 DAYS	NONE	9/30/2026
2	PROJECT AREA WITHIN RW 7R RSA, EXTENDING TO NORTH LIMIT OF PHASE 1	45 DAYS	RW 7R–25L	

LEGEND:

- FLAGGER
- HAUL ROUTE
- CONSTRUCTION PHASE
- PHASE 2 AREA
- PHASE 1 AREA
- SOIL DISPOSAL AREA (UNCONTAMINATED MATERIAL)

CONSTRUCTION PHASING NOTES:

1. 14 DAYS BEFORE BEGINNING WORK, NOTIFY AIRPORT OPERATIONS THROUGH THE ENGINEER.
2. MAINTAIN A SECURE AOA AT ALL TIMES. COORDINATE WITH THE ENGINEER PRIOR TO LEAVING AT THE END OF EACH DAY TO CONFIRM THE AOA IS SECURED.
3. COVER EXISTING AIRPORT SIGNS IN AREAS TO BE CLOSED TO OPERATION IN EACH PHASE AND AS DIRECTED BY THE ENGINEER TO MAINTAIN SAFE AIRCRAFT MOVEMENT AREAS.
4. WORKING CONCURRENT PHASES IS NOT ALLOWED UNLESS AUTHORIZED BY THE ENGINEER.
5. COORDINATE THROUGH THE ENGINEER TO ISSUE NOTAMS FOR CONSTRUCTION ACTIVITY AND TO COORDINATE COMMUNICATIONS WITH ATCT WHEN WORK WILL IMPACT THE RW15 LOCALIZER CRITICAL AREA.
6. THE RW 7R LOCALIZER CRITICAL AREA COINCIDES WITH THE RW RSA FROM STATION 1113+77.5 TO THE EAST END OF THE RW.
7. LIMIT THE DURATIONS WHEN THE RW15 LOCALIZER CRITICAL AREA WILL BE IMPACTED.
8. COORDINATE WORK WITHIN EACH PHASE FOR EFFICIENCY. SPECIFICALLY COORDINATE RUNWAY CLOSURE WITH ANC MAINTENANCE AND OPERATIONS THROUGH THE ENGINEER.
9. ADDITIONAL CONTRACTOR STAGING MAY OCCUR WITHIN THE PROJECT WORK AREA, IF OUTSIDE THE ROFA FOR RW 7R/25L.
10. PROVIDE AN AIRPORT FLAGGER AT GATE S1B WHEN GATE IS OPEN FOR HAUL, FOR THE EXISTING LOCATION.

100' 50' 0 100' 200'

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ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
CSPP OVERVIEW

DATE: 01/09/2026
SHEET: AC2 OF AC5

Designed By: XX
Drawn By: XX
Checked By: XX
Date Revised: 1/09/2026, 2:45 PM
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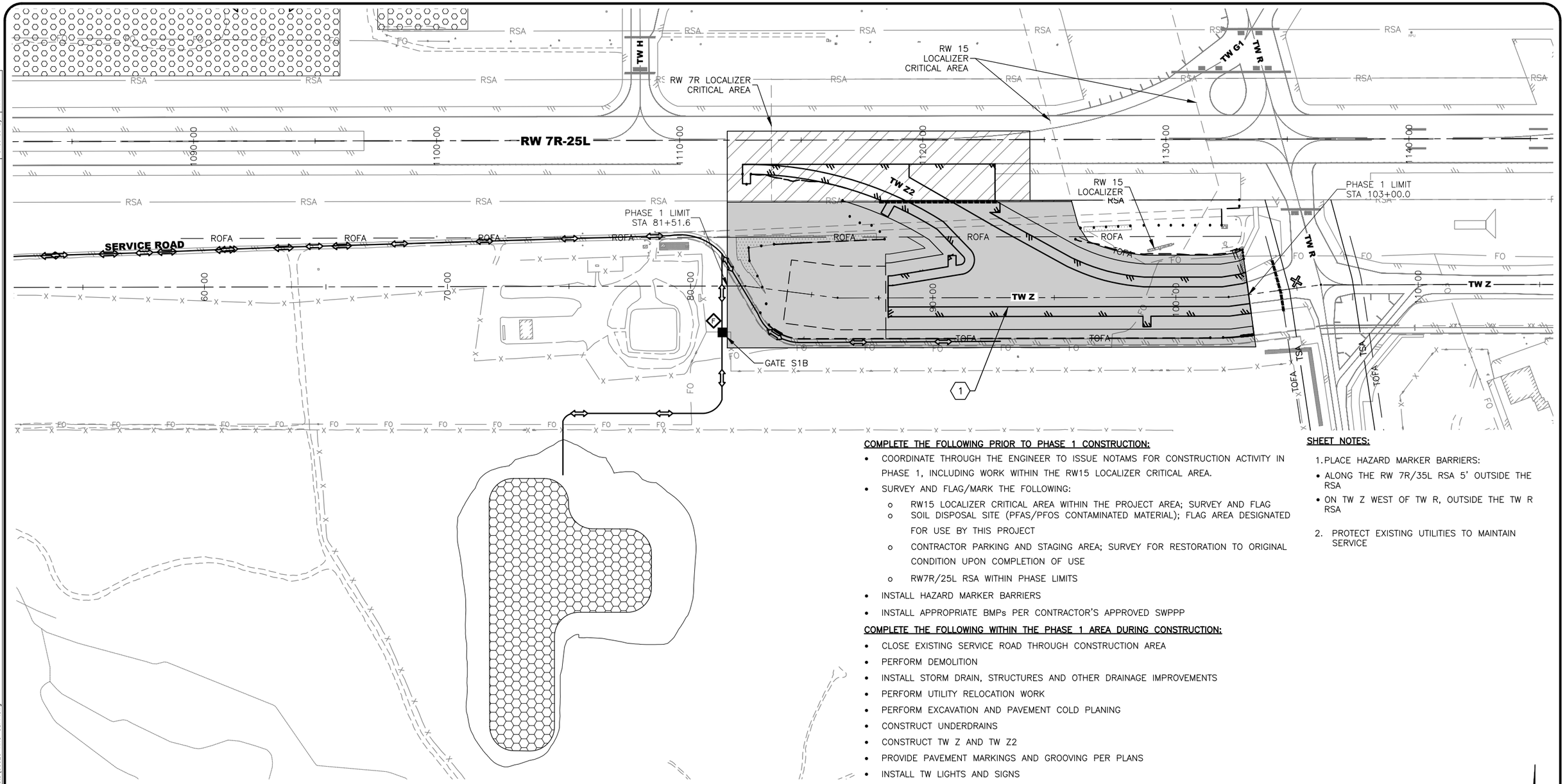

COMPLETE THE FOLLOWING PRIOR TO PHASE 1 CONSTRUCTION:

- COORDINATE THROUGH THE ENGINEER TO ISSUE NOTAMS FOR CONSTRUCTION ACTIVITY IN PHASE 1, INCLUDING WORK WITHIN THE RW15 LOCALIZER CRITICAL AREA.
- SURVEY AND FLAG/MARK THE FOLLOWING:
  - RW15 LOCALIZER CRITICAL AREA WITHIN THE PROJECT AREA; SURVEY AND FLAG
  - SOIL DISPOSAL SITE (PFAS/PFOS CONTAMINATED MATERIAL); FLAG AREA DESIGNATED FOR USE BY THIS PROJECT
  - CONTRACTOR PARKING AND STAGING AREA; SURVEY FOR RESTORATION TO ORIGINAL CONDITION UPON COMPLETION OF USE
  - RW7R/25L RSA WITHIN PHASE LIMITS
- INSTALL HAZARD MARKER BARRIERS
- INSTALL APPROPRIATE BMPs PER CONTRACTOR'S APPROVED SWPPP

COMPLETE THE FOLLOWING WITHIN THE PHASE 1 AREA DURING CONSTRUCTION:

- CLOSE EXISTING SERVICE ROAD THROUGH CONSTRUCTION AREA
- PERFORM DEMOLITION
- INSTALL STORM DRAIN, STRUCTURES AND OTHER DRAINAGE IMPROVEMENTS
- PERFORM UTILITY RELOCATION WORK
- PERFORM EXCAVATION AND PAVEMENT COLD PLANING
- CONSTRUCT UNDERDRAINS
- CONSTRUCT TW Z AND TW Z2
- PROVIDE PAVEMENT MARKINGS AND GROOVING PER PLANS
- INSTALL TW LIGHTS AND SIGNS
- TOPSOIL AND SEED SLOPES PER PLANS

COMPLETE THE FOLLOWING AFTER PHASE 1 CONSTRUCTION:

- RELOCATE HAZARD MARKER BARRIERS
- RELOCATE BMPs (AS APPLICABLE)

SHEET NOTES:

1. PLACE HAZARD MARKER BARRIERS:
   - ALONG THE RW 7R/35L RSA 5' OUTSIDE THE RSA
   - ON TW Z WEST OF TW R, OUTSIDE THE TW R RSA
2. PROTECT EXISTING UTILITIES TO MAINTAIN SERVICE

LEGEND:

- FLAGGER
- HAUL ROUTE
- CONSTRUCTION PHASE
- PHASE 1 WORK ZONE
- SOIL DISPOSAL AREA (UNCONTAMINATED MATERIAL)
- HAZARD MARKER BARRIER (SEE DETAIL 1 ON SHEET AC5)
- TW CLOSURE MARKER (SEE DETAIL 3 ON SHEET AC5)

200' 100' 0 200' 400'

Designed By:	XX
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Date Revised:	1/09/2026, 2:45 PM
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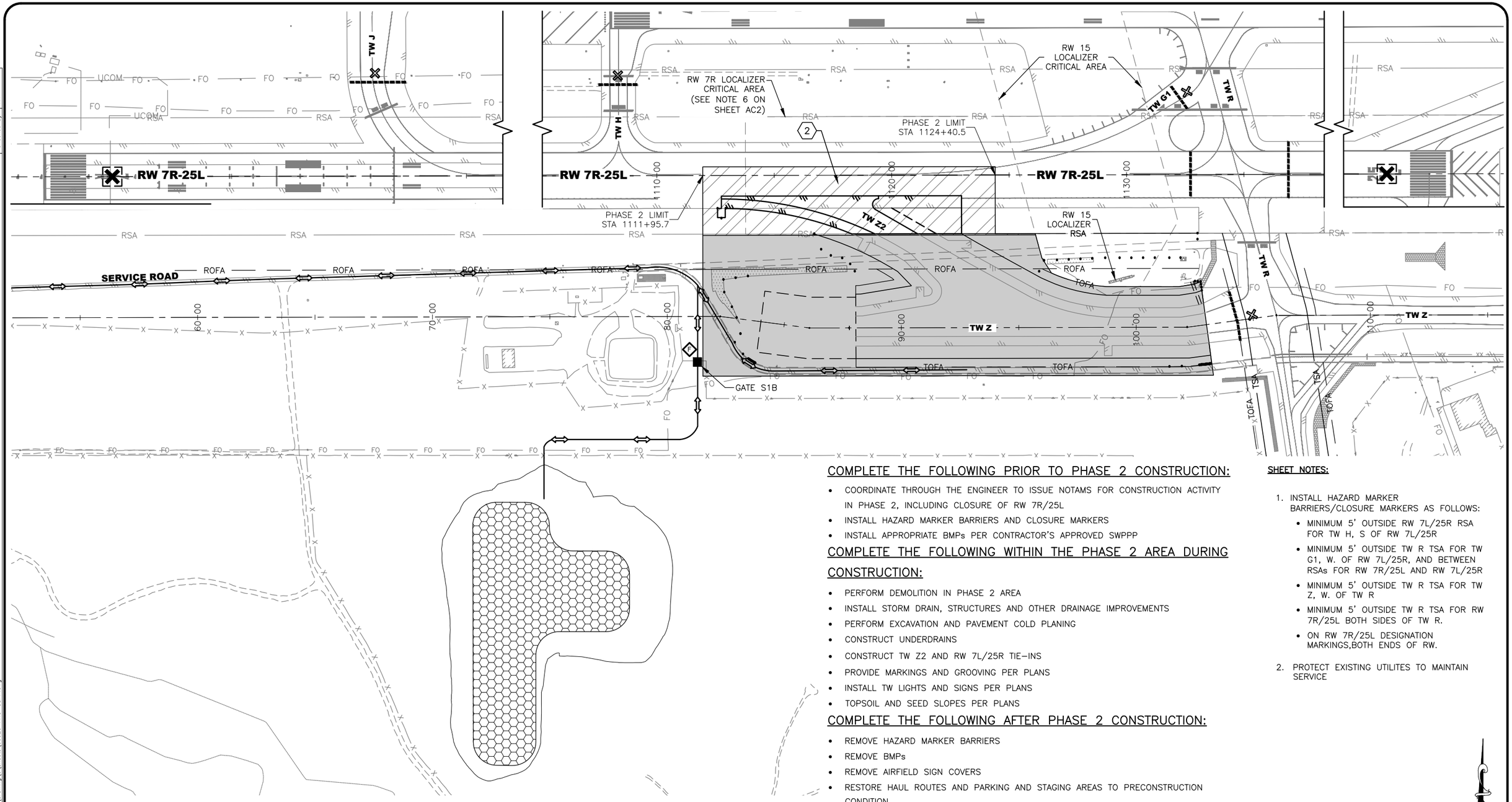
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
CSPP PHASE 1

DATE: 01/09/2026

SHEET: AC3 OF AC5



COMPLETE THE FOLLOWING PRIOR TO PHASE 2 CONSTRUCTION:

- COORDINATE THROUGH THE ENGINEER TO ISSUE NOTAMS FOR CONSTRUCTION ACTIVITY IN PHASE 2, INCLUDING CLOSURE OF RW 7R/25L
- INSTALL HAZARD MARKER BARRIERS AND CLOSURE MARKERS
- INSTALL APPROPRIATE BMPs PER CONTRACTOR'S APPROVED SWPPP

COMPLETE THE FOLLOWING WITHIN THE PHASE 2 AREA DURING CONSTRUCTION:

- PERFORM DEMOLITION IN PHASE 2 AREA
- INSTALL STORM DRAIN, STRUCTURES AND OTHER DRAINAGE IMPROVEMENTS
- PERFORM EXCAVATION AND PAVEMENT COLD PLANING
- CONSTRUCT UNDERDRAINS
- CONSTRUCT TW Z2 AND RW 7L/25R TIE–INS
- PROVIDE MARKINGS AND GROOVING PER PLANS
- INSTALL TW LIGHTS AND SIGNS PER PLANS
- TOPSOIL AND SEED SLOPES PER PLANS

COMPLETE THE FOLLOWING AFTER PHASE 2 CONSTRUCTION:

- REMOVE HAZARD MARKER BARRIERS
- REMOVE BMPs
- REMOVE AIRFIELD SIGN COVERS
- RESTORE HAUL ROUTES AND PARKING AND STAGING AREAS TO PRECONSTRUCTION CONDITION

SHEET NOTES:

1. INSTALL HAZARD MARKER BARRIERS/CLOSURE MARKERS AS FOLLOWS:
   - MINIMUM 5' OUTSIDE RW 7L/25R RSA FOR TW H, S OF RW 7L/25R
   - MINIMUM 5' OUTSIDE TW R TSA FOR TW G1, W. OF RW 7L/25R, AND BETWEEN RSAs FOR RW 7R/25L AND RW 7L/25R
   - MINIMUM 5' OUTSIDE TW R TSA FOR TW Z, W. OF TW R
   - MINIMUM 5' OUTSIDE TW R TSA FOR RW 7R/25L BOTH SIDES OF TW R.
   - ON RW 7R/25L DESIGNATION MARKINGS,BOTH ENDS OF RW.
2. PROTECT EXISTING UTILITES TO MAINTAIN SERVICE

200' 100' 0 200' 400'

LEGEND:

- HAUL ROUTE
- CONSTRUCTION PHASE
- PHASE 2 WORK ZONE
- SOIL DISPOSAL AREA (UNCONTAMINATED MATERIAL)
- FLAGGER
- RW CLOSURE MARKER (SEE DETAIL 2 ON SHEET AC5)
- HAZARD MARKER BARRIER (SEE DETAIL 1 ON SHEET AC5)
- TW CLOSURE MARKER (SEE DETAIL 3 ON SHEET AC5)

Designed By: XX
Drawn By: XX
Checked By: XX

Date Revised:
Layout Name: 1/09/2026, 2:45 PM
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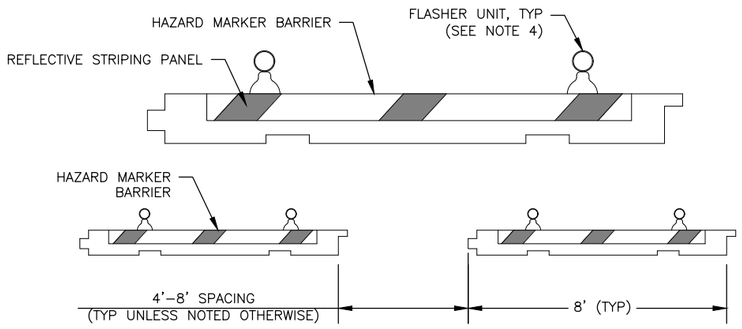
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
CSPP PHASE 2

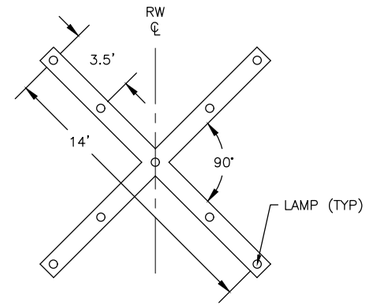
DATE: 01/09/2026



NOTES:

1. PLACE BARRIERS TO SEPARATE CONSTRUCTION AREAS FROM OPEN PORTIONS OF THE AIRPORT.
2. DISTANCE BETWEEN BARRIERS CAN BE ADJUSTED FOR CONSTRUCTION TRAFFIC.
3. BARRIERS MUST BE LOCATED OUTSIDE THE SAFETY AREA OF ACTIVE TAXIWAYS AND TAXILANES.
4. RED FLASHERS MUST BE USED FOR HAZARD MARKER BARRIERS. MAINTAIN A MAXIMUM GAP OF 10 FEET BETWEEN FLASHERS. A SECOND FLASHER IS REQUIRED FOR GAPS EXCEEDING 6 FEET.
5. FILL AND MAINTAIN BARRIERS PER SPECIFICATION P–670–3.1.b.

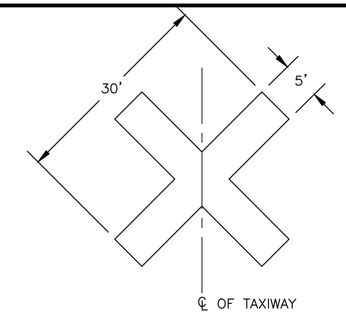
1 / AC5 HAZARD MARKER BARRIER DETAIL
SCALE: NTS



NOTES:

1. RUNWAY CLOSURE MARKER WILL BE LIGHTED.
2. INSTALL RUNWAY CLOSURE MARKER NEAR THRESHOLD OF THE CLOSED RUNWAY.
3. FURTHER REQUIREMENTS ARE DESCRIBED IN SPECIFICATION P–671 AND CURRENT VERSION OF FAA AC 150/5345–55.

2 / AC5 LIGHTED RUNWAY CLOSURE MARKER DETAIL
SCALE: NTS



NOTES:

1. TAXIWAY CLOSURE MARKERS WILL BE POSITIONED TO DENOTE A TEMPORARY CLOSED TAXIWAY, OR AS DIRECTED.
2. TAXIWAY CLOSURE MARKERS WILL BE CONSTRUCTED USING MATERIAL SUCH AS PLY WOOD, PLASTIC, OR ANCHORED FABRIC, AND WILL BE YELLOW IN COLOR.
3. DO NOT USE SAND BAGS TO SECURE CLOSURE MARKERS PLACED WITHIN RUNWAY SAFETY AREAS.

3 / AC5 TAXIWAY CLOSURE MARKER DETAIL
SCALE: NTS

Designed By: XX
Drawn By: XX
Checked By: XX

Date Revised: 1/09/2026, 2:45 PM
Layout Name: CSPP DETAILS
File Path and Name: U:\207301691O\drawing\c\sheets\00929-ANC-CSPP.dwg

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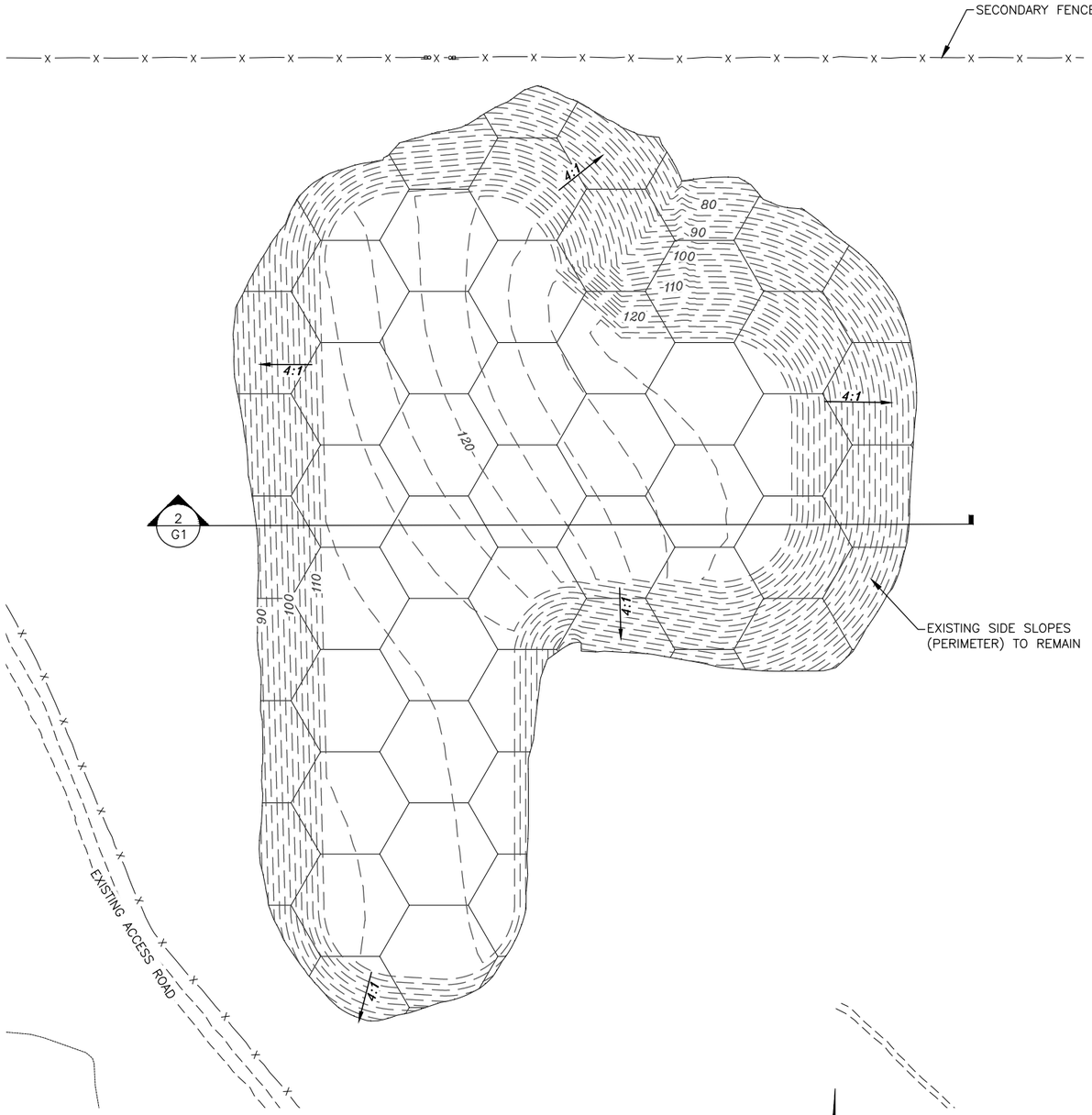
DATE: 01/09/2026
SHEET: AC5 OF AC5

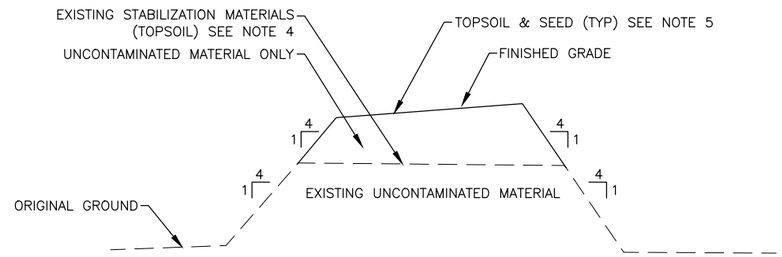


1 G1 DISPOSAL AREA GRADING PLAN

SCALE: NTS

SHEET NOTES:

1. ACCESS DISPOSAL AREA THROUGH GATE S1B. MAINTAIN SECURITY AT ALL TIMES WHILE GATE IS IN USE.
2. REMOVE AS NEEDED AND RESET SECONDARY FENCE TO ORIGINAL CONDITION AFTER SOIL DISPOSAL (SUBSIDIARY TO WORK SHOWN ON THIS SHEET).
3. IMPROVING A TEMPORARY ACCESS ROAD MAY BE NECESSARY TO ACCESS DISPOSAL AREA. REVIEW LOCATION IN THE FIELD WITH THE ENGINEER PRIOR TO USE. UNUSED EXCAVATION MATERIAL FROM THE PROJECT CAN BE USED IF APPROVED BY THE ENGINEER.
4. REMOVE EXISTING STABILIZATION MATERIALS AS NEEDED FROM THE MOUND SURFACE. STORE FOR REUSE UPON COMPLETION OF DISPOSAL.
5. PLACE UNCONTAMINATED MATERIAL ON THE MOUND IN ACCORDANCE WITH DETAIL 2/G1.
6. AFTER SOIL DISPOSAL IS COMPLETE REMOVE TEMPORARY ACCESS IF REQUESTED BY THE ENGINEER.
7. REUSE GRUBBING MATERIAL FROM PROJECT AREA AS TOPSOIL PRIOR TO IMPORTING ADDITIONAL TOPSOIL. DISPOSE OF ROOTS AND OTHER UNSATISFACTORY MATERIAL AS DIRECTED BY THE ENGINEER.



2 G1 DISPOSAL AREA SECTION

SCALE: NTS

Designed By:	TAD
Drawn By:	
Checked By:	TAD
Date Revised:	1/09/2026, 2:45 PM
Layout Name:	EROSION AND SEDIMENT CONTROL PLAN
File Path and Name:	U:\207301691O\drawing\C\sheets\06929-ANC-DISPOSAL AREA.dwg

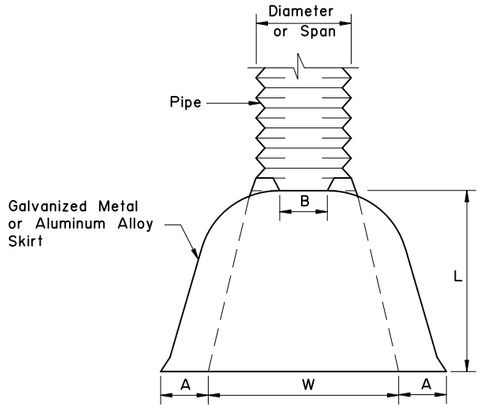
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE INT'L AIRPORT
ANCHORAGE, ALASKA
ANC TAXIWAY Z EXTENSION WEST PHASE 1
PROJECT No. CFAPT00929
AIP No. 3-02-0016-XXX-2026
UNCONTAMINATED SOIL DISPOSAL AREA

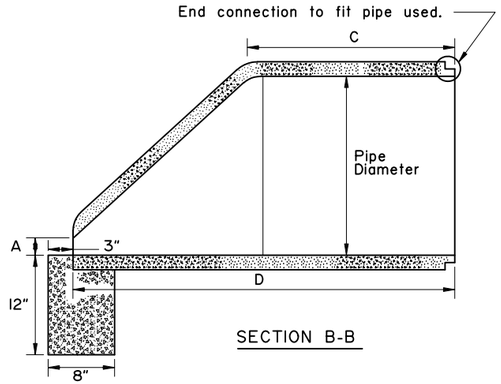
DATE: 01/09/2026

SHEET: G1 OF G1



PLAN

ROUND AND PIPE ARCH

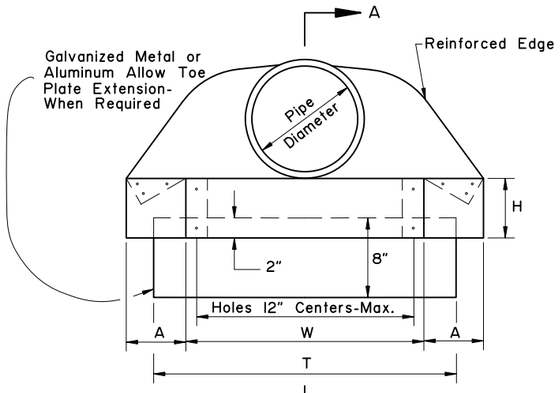


SECTION B-B

MINIMUM DIMENSIONS					
Pipe Diameter	A	B	C	D	E
12"	4"	1 3/4"	24"	46"	24"
18"	9"	2"	25"	50"	36"
24"	9 1/2"	2 1/2"	30"	72"	48"
30"	12"	3"	20"	73"	60"
36"	15"	3 3/8"	35"	97"	72"
42"	21"	3 3/4"	35"	98"	78"
48"	24"	4 1/4"	26"	98"	84"
54"	27"	4 5/8"	33"	99"	82"

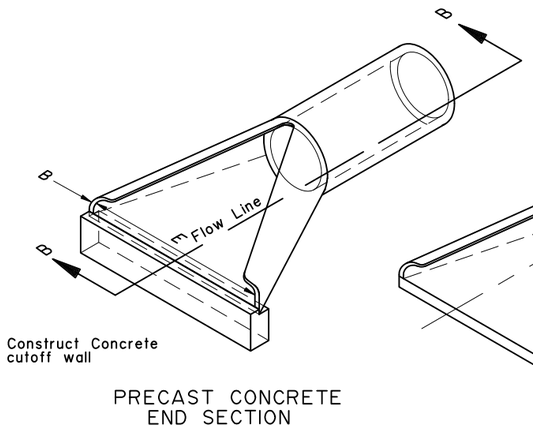
ROUND PIPE									
Pipe Diam. Inches	Thickness For Aluminum	Thk. for Galv. Metal	Dimension Inches A 1" Tol.	B Max.	H 1" Tol.	L 1 1/2" Tol.	W 2" Tol.	T 2" Tol.	Skirt	Approx. Slope
12"	0.060	0.064	6"	6"	6"	21"	24"	34"	1 Pc.	2 1/2
15"	0.060	0.064	7"	8"	6"	26"	30"	40"	1 Pc.	2 1/2
18"	0.060	0.064	8"	10"	6"	31"	36"	46"	1 Pc.	2 1/2
21"	0.060	0.064	9"	12"	6"	36"	42"	52"	1 Pc.	2 1/2
24"	0.075	0.064	10"	13"	6"	41"	48"	58"	1 Pc.	2 1/2
30"	0.075	0.079	12"	16"	8"	51"	60"	70"	1 Pc.	2 1/2
36"	0.105	0.079	14"	19"	9"	60"	72"	94"	2 Pc.	2 1/2
42"	0.105	0.109	16"	22"	11"	69"	84"	106"	2 Pc.	2 1/2
48"	0.105	0.109	18"	27"	12"	78"	90"	112"	2 Pc.	2 1/4
54"	0.105	0.109	18"	30"	12"	84"	102"	122"	2 Pc.	2 1/4
60"	0.135	0.109	18"	33"	12"	87"	114"	134"	3 Pc.	2 1/4
66"	0.135	0.109	18"	36"	12"	87"	120"	142"	3 Pc.	2 1/4
72"	0.135	0.109	18"	39"	12"	87"	126"	146"	3 Pc.	2 1/4
78"	— —	0.109	18"	42"	12"	87"	132"	152"	3 Pc.	1 1/4
84"	— —	0.109	18"	45"	12"	87"	138"	158"	3 Pc.	1 1/6

PIPE-ARCH										
Pipe-Arch Dimension Inches Span	Rise	Thickness for Aluminum	Thk. for Galv. Metal	Dimension Inches A 1" Tol.	B Max.	H 1" Tol.	L 1 1/2" Tol.	W 2" Tol.	T 2" Tol.	Skirt	Approx. Slope
17"	13"	0.060	0.064	7"	9"	6"	19"	30"	40"	1 Pc.	2 1/2
21"	15"	0.060	0.064	7"	10"	6"	23"	36"	46"	1 Pc.	2 1/2
24"	18"	0.060	0.064	8"	12"	6"	28"	42"	52"	1 Pc.	2 1/2
28"	20"	0.075	0.064	9"	14"	6"	32"	48"	58"	1 Pc.	2 1/2
35"	24"	0.075	0.079	10"	16"	6"	39"	60"	70"	1 Pc.	2 1/2
42"	29"	0.105	0.079	12"	18"	8"	46"	75"	85"	1 Pc.	2 1/2
49"	33"	0.105	0.109	13"	21"	9"	53"	85"	103"	2 Pc.	2 1/2
57"	38"	0.105	0.109	18"	26"	12"	63"	90"	114"	2 Pc.	2 1/2
64"	43"	0.105	0.109	18"	30"	12"	70"	102"	130"	2 Pc.	2 1/4
71"	47"	0.135	0.109	18"	33"	12"	77"	114"	144"	3 Pc.	2 1/4
77"	52"	0.135	0.109	18"	36"	12"	84"	120"	158"	3 Pc.	2 1/4
83"	57"	0.135	0.109	18"	39"	12"	90"	126"	170"	3 Pc.	2 1/4

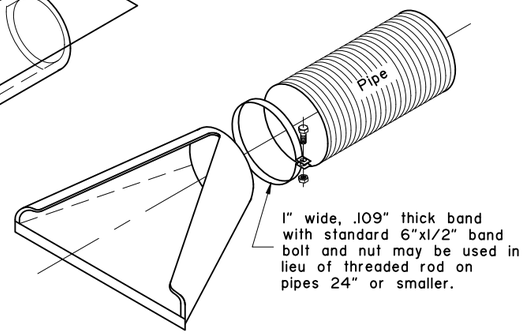


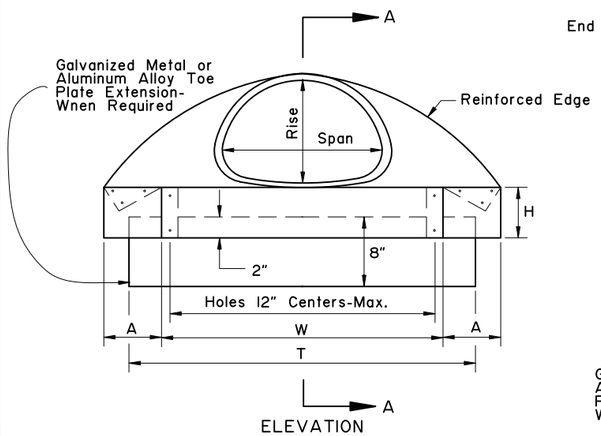
ELEVATION

ROUND PIPE



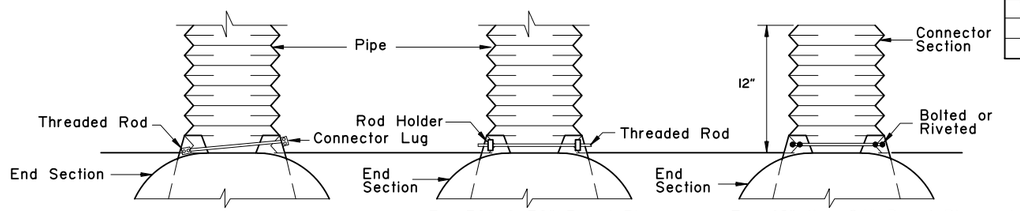
PRECAST CONCRETE END SECTION





ELEVATION

PIPE ARCH

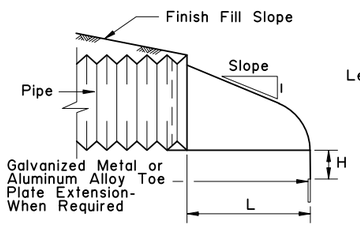


For 12" thru 24" Round Pipe with Annular Corrugations

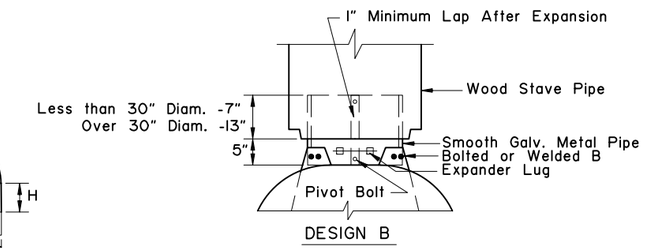
For 30" & 36" Round Pipe and 18"x11" thru 58"x36" Pipe Arch with Annular Corrugations.

For 42" thru 84" Round Pipe and 65"x40" thru 85"x54" Pipe Arch with Annular Corrugations and All Helically Corrugated Pipe and Pipe Arch.

DESIGN A



SECTION A-A



DESIGN B

METAL END SECTION CONNECTED TO WOOD STAVE PIPE

GENERAL NOTES:

1. Toe plate extensions will be required only when provided for on the plans. When required, the toe plate extensions shall be punched with holes to match those in lip of skirt and fastened with 3/8 inch or larger galvanized nuts and bolts and shall be the same gage as the end section.
2. Galvanized Metal or Aluminum Alloy End Sections may be used on Wood Stave and Plastic Pipe.
3. All 3 piece bodies shall have 12 gage sides and 10 gage center panels. Multiple panel bodies shall have lap seams which are to be tightly joined by 3/8" galvanized rivets or bolts.

State of Alaska DOT&PF
ALASKA STANDARD PLAN

CULVERT END SECTIONS

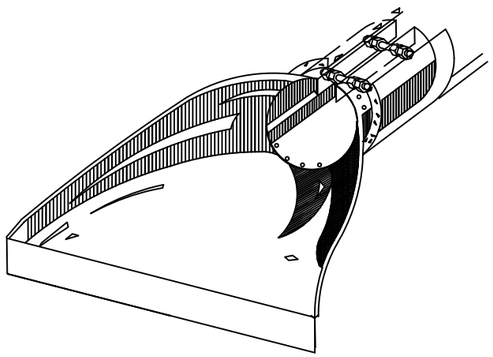
Adopted as an Alaska Standard Plan by:
Kenneth J. Fisher, P.E.
Chief Engineer

Adoption Date: 02/08/2019

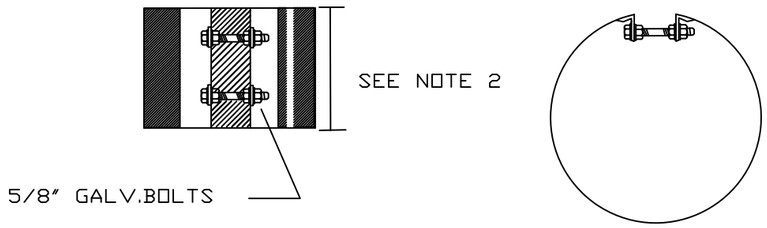
Last Code and Stds. Review By: Date:

Next Code and Standards Review date: 02/08/2029

D-06.10



FOR CONNECTING CONCRETE PIPE OR CORRUGATED POLYETHYLENE PIPE TO METAL END SECTION.



GENERAL NOTES

1. See general notes on sheet 1 of 3.
2. See sheet 1 of 3 for metal end section dimensions.
3. Insert bolts, washers and rivets shall be galvanized. Insert thickness is the same as the end section.
4. Use culvert inserts only at inlet.

METAL INSERTS FOR USE WITH CORRUGATED PLASTIC PIPE AND METAL END SECTIONS

State of Alaska DOT&PF
ALASKA STANDARD PLAN

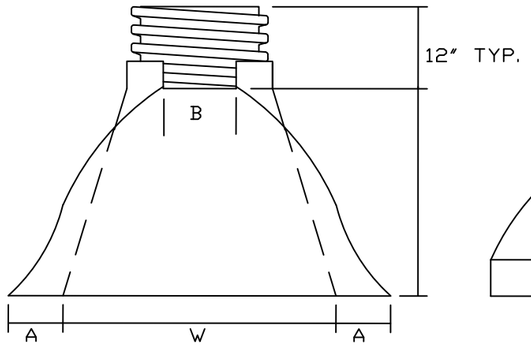
CULVERT END SECTIONS

Adopted as an Alaska Standard Plan by: Kenneth J. Fisher, P.E.
Chief Engineer

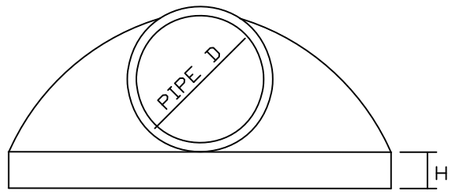
Adoption Date: 02/08/2019

Last Code and Stds. Review
By: Date:

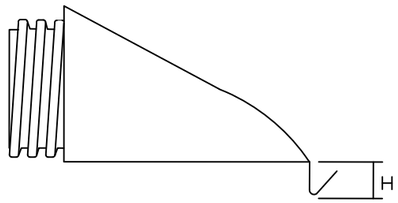
Next Code and Standards Review date: 02/08/2029



TOP VIEW



END VIEW



SIDE VIEW

PIPE DIAMETER	DIMENSIONS IN MILLIMETERS				
	A(1"±)	B MAX	H(1"±)	L(1/2"±)	W(2"±)
12" and 15"	6 1/2"	10"	6 1/2"	25"	29"
18"	7 1/2"	15"	6 1/2"	32"	35"
24"	7 1/2"	18"	6 1/2"	36"	45"
30"	10 1/2"	N/A	7"	53"	68"
36"	10 1/2"	N/A	7"	53"	68"

PLASTIC END SECTION FOR CORRUGATED PLASTIC PIPE

GENERAL NOTES

1. Plastic flared end sections may be used with HDPE corrugated culvert pipes where noted in project plans or approved by project engineer.
2. Consult manufacturer's recommendations for proper sizing and coupling devices. Recommended fasteners may include connecting bands or cinch ties. Fittings across dimension B may include threaded rods with wing nuts or bolts and washers. plastic welds may be recommended.
3. Align coupling to accomodate pipe corrugations.
4. Metal components e.g. bolts or washers must be galvanized.
5. Attachment of end section should preserve culvert alignment and not impair pipe function. Use end sections only on culvert inlet.
6. Toe plate extensions will be required only when designated on the plans.
7. End sections will not be used on HDPE culvert pipes larger than 36" unless indicated by project plans or approved by the Engineer.

State of Alaska DOT&PF
ALASKA STANDARD PLAN

CULVERT END SECTIONS

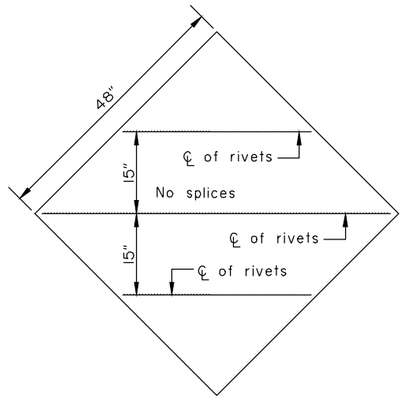
Adopted as an Alaska Standard Plan by: Kenneth J. Fisher, P.E.
Chief Engineer

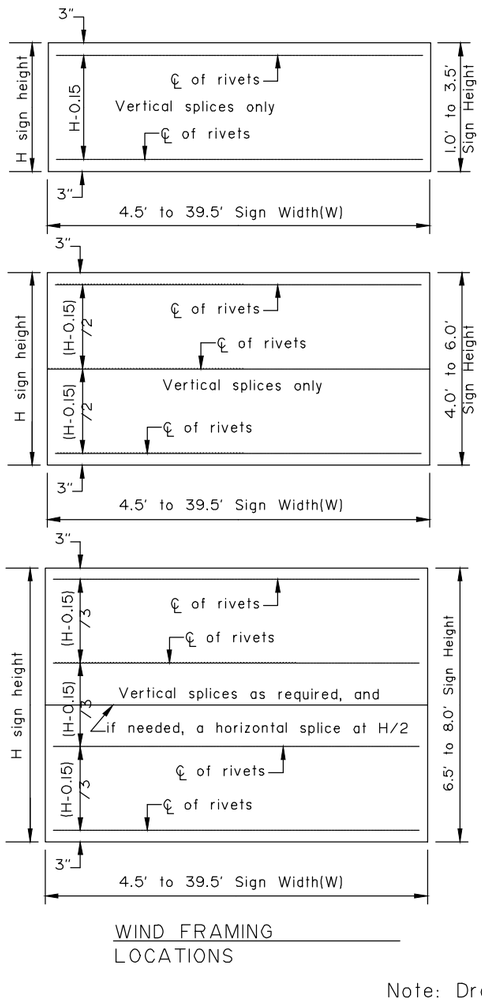
Adoption Date: 02/08/2019

Last Code and Stds. Review
By: Date:

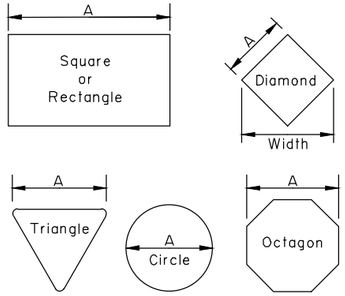
Next Code and Standards Review date: 02/08/2029

D-06.10





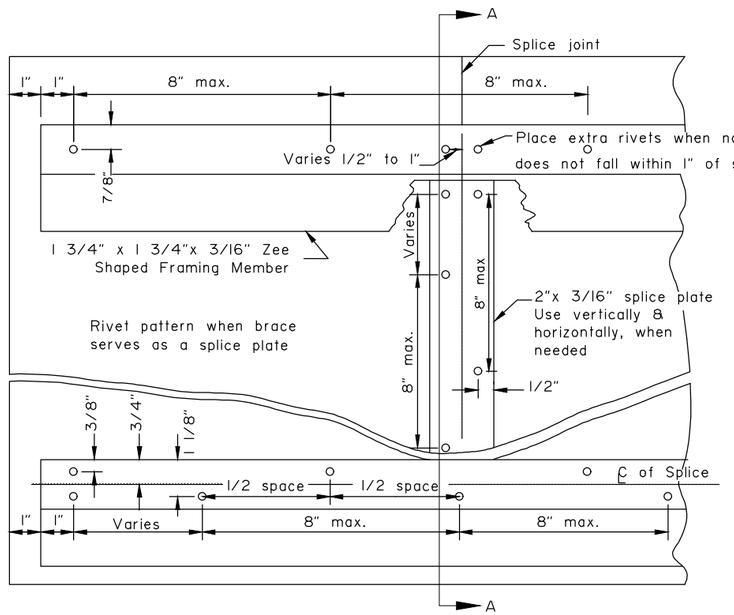
WIND FRAMING LOCATIONS



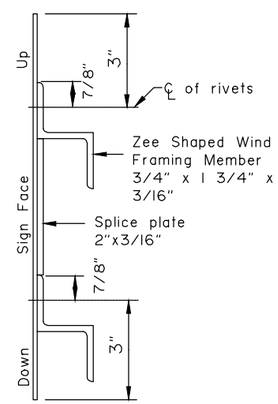
Maximum size unframed signs using 0.125" thick aluminum sheeting.	
Sign Shape	A
Squares, Shields, and Route Markers	48"
Rectangles	48"
Diamonds	48"
Triangles	48"
Rounds and Octagons	48"

Install wind framing on all signs that exceed the dimensions listed.

LIGHT SIGNS



RIVET DETAIL FOR ZEE SHAPED WIND FRAMING & SPLICE PLATE



SECTION A-A

Note: Drawing not to scale

GENERAL NOTES

1. See the standard specifications for the aluminum alloys that you may use for sign sheeting and wind framing members.
2. Fabricate all signs from 0.125" thick aluminum sheeting.
3. Sign fabricators may use alternates to the zee shaped framing member with approval of the engineer, if the frame manufacturer certifies their design equals or exceeds the strength of the zee shaped design.
4. Install one piece wind framing members on all signs up to 23.5' wide. Use one splice in each wind frame on all signs wider than 23.5'. Locate splices at least 18" from all posts and panel edges. Stagger splices in adjacent framing members at least 8.0' apart.
5. Attach wind framing members with rivets or with an engineer approved, double sided, high strength, adhesive tape. Clean and handle sheeting and framing members and apply tape in accordance with the tape manufacturer's written instructions. Install two rivets in both ends of each framing member.
6. Use 3/16" diameter rivets conforming to aluminum alloy 6061-T6 for cold driven rivets, or aluminum alloy 6061-T43 for hot driven rivets.
7. Sign fabricators may use sign panels extruded with integral framing with approval of the engineer, if the manufacturer certifies their design equals or exceeds the strength of the 0.125" thick panel with framing attached to it.
8. Frame all signs taller than 8.0' with five wind framing members located (H-0.15)/4 spaces. If needed, make a horizontal splice at the middle wind frame.
9. Do not use round pipes for sign supports.

State of Alaska DOT&PF
ALASKA STANDARD PLAN

SIGN FRAMING

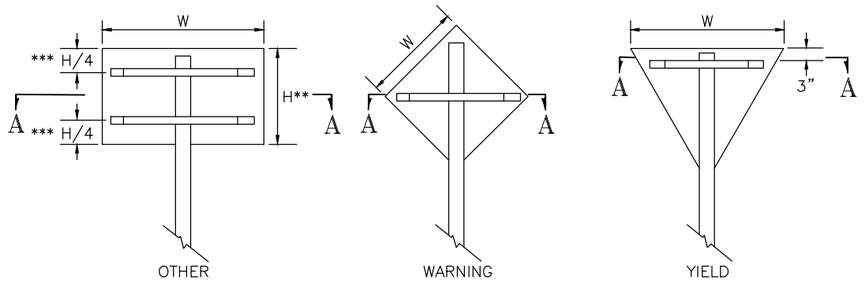
Adopted as an Alaska Standard Plan by: Carolyn Morehouse
Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review
By: WTH Date: 7/8/2020

Next Code and Standards Review date: 7/8/2030

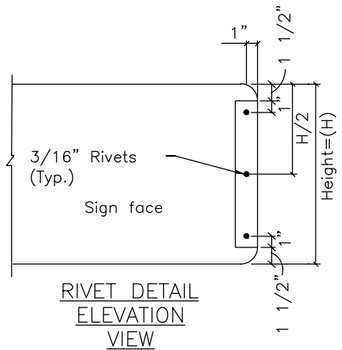
S-00.12



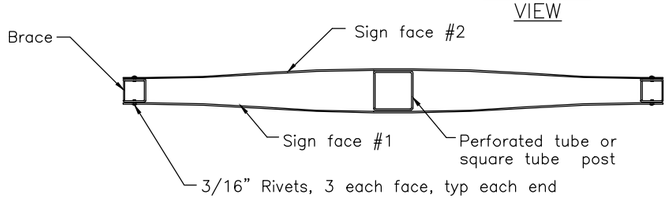
*** Use one brace when H ≤ 18"
Use two braces when 18"< H < 48"
Use three braces when H ≥ 48"

** Position of brace may be varied to match Predrilled mounting holes in panel

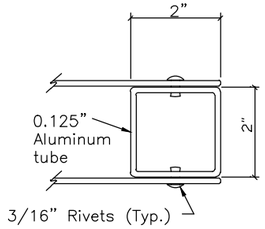
SIGN BRACING PLACEMENT



RIVET DETAIL ELEVATION VIEW

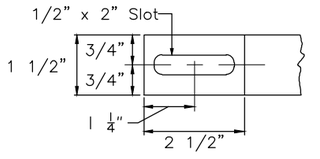


PLAN VIEW

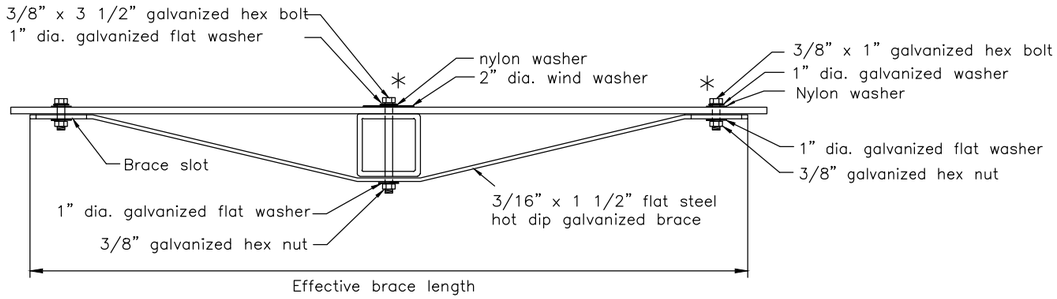


END BRACE DETAIL

SMALL STREET NAME SIGN (D3-1, D3-1A, D3-1D) BRACING DETAILS



DETAIL OF BRACE SLOT
Elevation view



TUBE POST SIGN BRACING SECTION A-A
Plan view

* Adjust location of bracing so that bolts and washers will miss the sign legend

Sign Width(W)	Effective Brace Length		
	Warning	Yield	Other
30"	36"	24"	24"
36"	42"	30"	30"
42"	48"	–	36"
48"	Two posts	36"	42"

< 30" No bracing required and use square tube

Note: Drawing not to scale

State of Alaska DOT&PF
ALASKA STANDARD PLAN

BRACING FOR SIGNS MOUNTED ON SINGLE POST

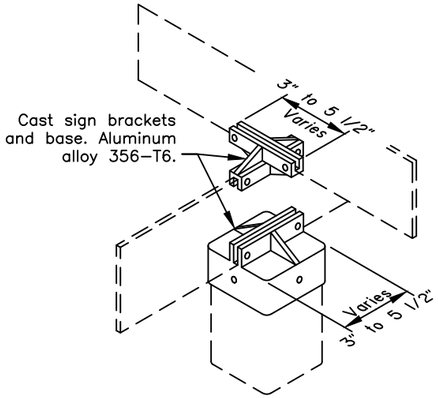
Adopted as an Alaska Standard Plan by: Carolyn Morehouse
Carolyn Morehouse, P.E.
Chief Engineer

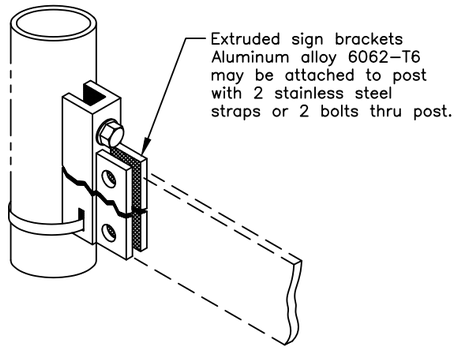
Adoption Date: 7/17/2020

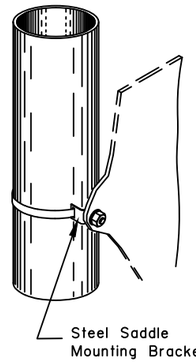
Last Code and Stds. Review
By: WTH Date: 7/8/2020

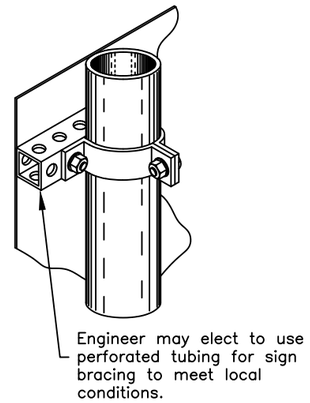
Next Code and Standards Review date: 7/8/2030

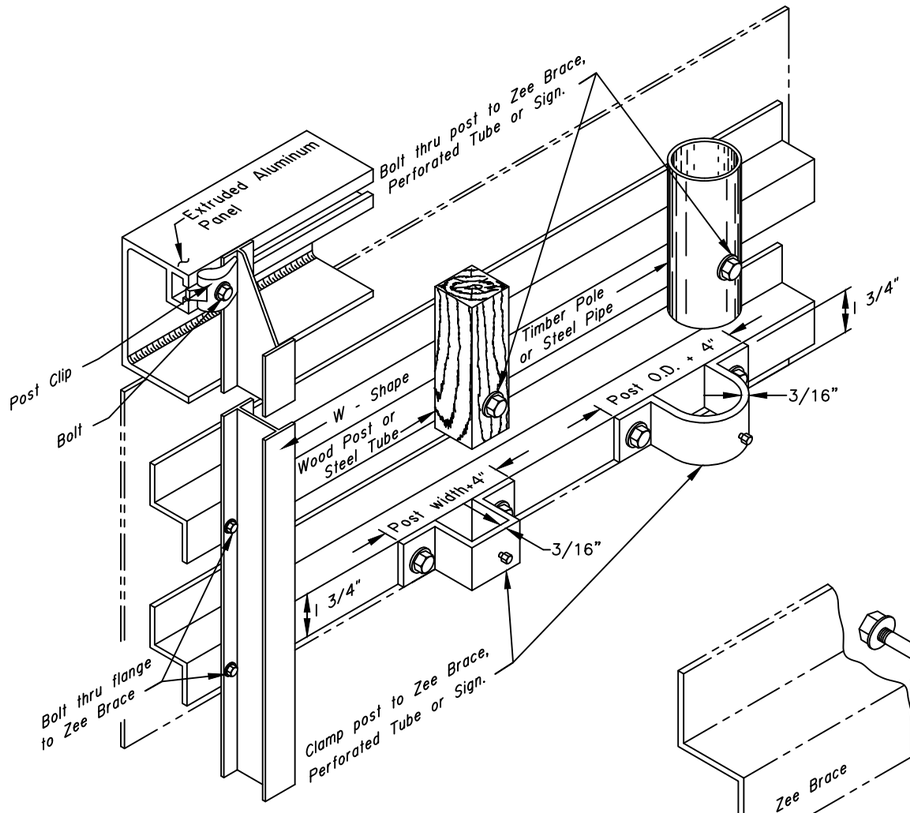
S-01.02

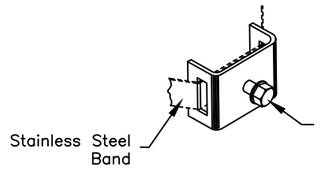




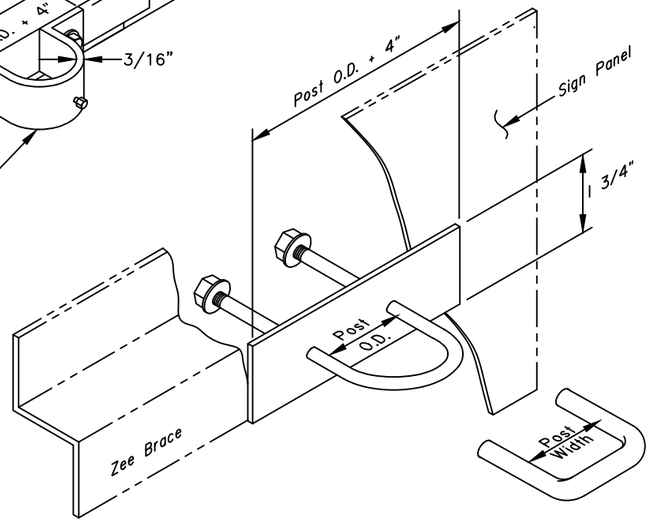


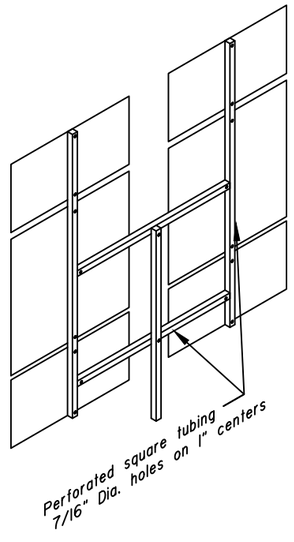






MOUNTING BRACKET DETAIL





CONSTRUCTION NOTES

1. Details shown indicate general design only. Dimensions and design may vary among manufacturers.
2. Install weather tight caps on all pipe and tube post (except perforated tubing).
3. Protect driven sign posts with drive caps during installation.
4. Bolt braces to posts at each point where they cross posts.
5. Install signs with top of post, mounting brackets, etc. with a minimum of 3" below top of sign.
6. Paint all sign mounting fasteners on sign face a color closely matching the sign face.
7. Attach all signs, zees and braces mounted to the posts with 5/16" bolts, nuts and washers.
8. Furnish all aluminum nuts, bolts and washers with anodized finish.

FASTENER SPECIFICATION TABLE
(ALL REFERENCES ARE TO ASTM)

FASTENERS		ALUMINUM	STEEL	STAINLESS STEEL
BOLTS	MACHINE	F468 2024-T4	A307	F593
	CARRIAGE "U"	F468 2024-T4	A307	A276 TYPE 304
NUTS	REGULAR	F467 6061-T6	A563	F594
	LOCKING	F467 2017-T4		
WASHERS		F468 2024-T4	F844	A480
POST CLIP		A356-T6	N/A	N/A

State of Alaska DOT&PF
ALASKA STANDARD PLAN

SIGN TO SIGN POST CONNECTION

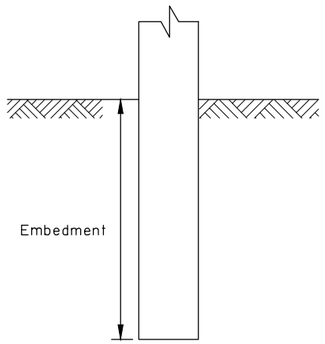
Adopted as an Alaska Standard Plan by: Carolyn Morehouse
Carolyn Morehouse, P.E.
Chief Engineer

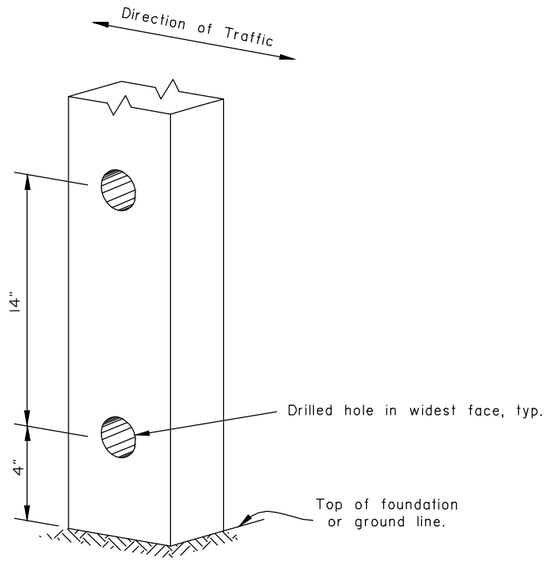
Adoption Date: 07/30/2021

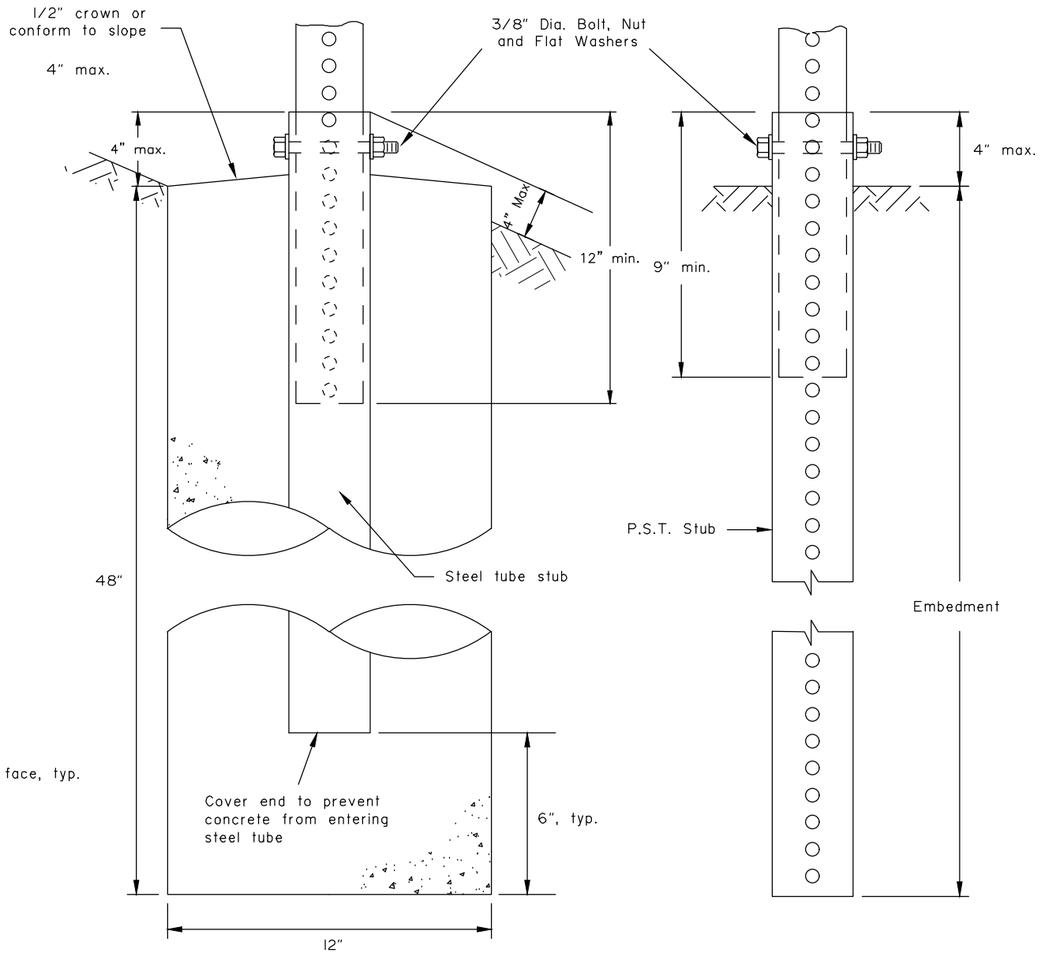
Last Code and Stds. Review
By: LRG Date: 07/30/2021

Next Code and Standards Review date: 07/30/2031

S-20.11







SLEEVE TYPE
CONCRETE FOUNDATION

SLEEVE TYPE*
SOIL EMBEDMENT

GENERAL NOTES:

1. Sign shall be placed symmetrically around posts and refer to Standard Plan S-00 for sign framing details.
2. See plans for type of post, size and embedment type.
3. To maintain crashworthiness, install no more than the number of P.S.T.s or wood posts specified in the tables within 7' of each other.
4. Concrete shall be class B.
5. Do not use the supports on this drawing for multiple support signs if supports are separated by more than 7 feet.
6. Treat all field cuts and field drilled holes in wood posts in accordance with Section 730-2.04 of the Standard Specifications.

SIGN POST SPACING NOTES:

1. Install sign support in accordance with the table below, unless otherwise required by plans or specifications.
2. Exceptions:
   a. Use one post for all E5-1 gore signs, regardless of width.
   b. Use one 2.5" P.S.T. for all STOP signs, with or without street name signs.
3. Supports placed within 7' of each other must be acceptable for that use. See tables below for the sizes of wood posts and P.S.T.s that may be used within 7'. See Manufacturer's documentation for breakaway couplings and tubes that may be used within 7'.
4. See Standard Plan S-31 for frangible couplings, hinges, and foundations for tube and W-shape sign supports.

WOOD SIGN POSTS			
SIZE	HOLE DIA.	EMBEDMENT*	NO. OF POSTS WITHIN 7 Ft. PATH
4"x4"	NONE	4'-1"	2
4"x6"	1 1/2"	5'-3"	2
6"x6"	1 1/2"	4'-9"	1
6"x8"	3"	4'-9"	1

* Embedment depth applies in both strong and weak soil.

WOOD POSTS

PERFORATED STEEL TUBES (P.S.T.)		
POST SIZE	Embedment Depth	No. of P.S.T.s permitted within 7 ft path
1 1/2" x 1 1/2"	4'-8"	2
1 3/4" x 1 3/4"	4'-6"	2
2" x 2"	4'-3"	2
2 1/4" x 2 1/4"	5'-0"	1
2 1/2" x 2 1/2"	4'-6"	1

* Use 3"x3"x3/16" Stub for 2 1/2"x2 1/2" PST Applications.

PERFORATED STEEL TUBE (PST) POSTS

TUBE SIGN POST SPACING								
Sign Width (feet)	No. of Posts	Distance Between Posts	Sign Overhang	Post Type				Notes
				P.S.T.	Wood	Steel Tube	W-Shape	
0.5 to 4.0	1	-	0.5W	X	X	X		See Note 2.
4.5 to 10.0	2	0.6W	0.2W	X	X	X		See Note 3.
10.5 to 11.0	2	6	Varies	X	X	X		See Note 3.
11.5 to 13.0	2	8	Varies				X	
13.5 to 20.0	2	0.6W	0.2W				X	
20.5 to 22.5	3	8	Varies				X	
23.0 to 29.5	3	0.35W	0.15W				X	
30.0 to 31.5	4	8	Varies				X	
32.0 to 40.0	4	0.25W	0.125W				X	

TUBE SIGN POST SPACING

Note: Drawing not to scale

State of Alaska DOT&PF
ALASKA STANDARD PLAN

LIGHT SIGN STRUCTURE
POST EMBEDMENT

Adopted as an Alaska Standard Plan by: Carolyn Morehouse
Carolyn Morehouse, P.E.
Chief Engineer

Adoption Date: 7/17/2020

Last Code and Stds. Review
By: WTH Date: 7/8/2020

Next Code and Standards Review date: 7/8/2030