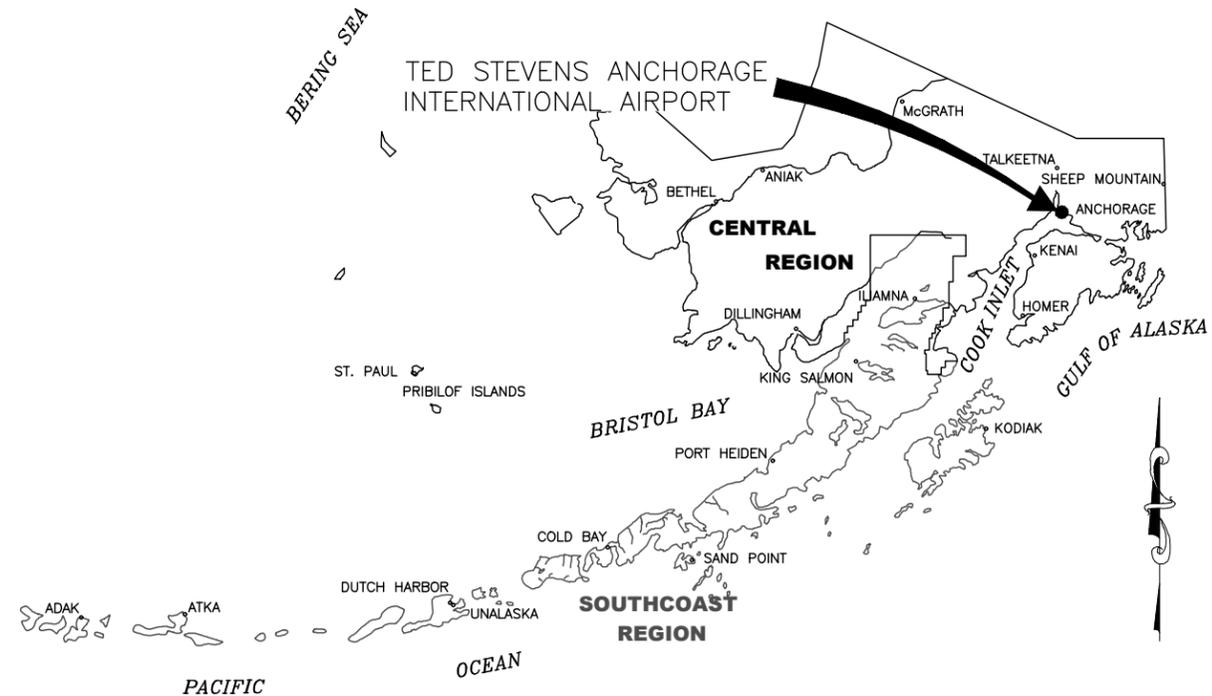
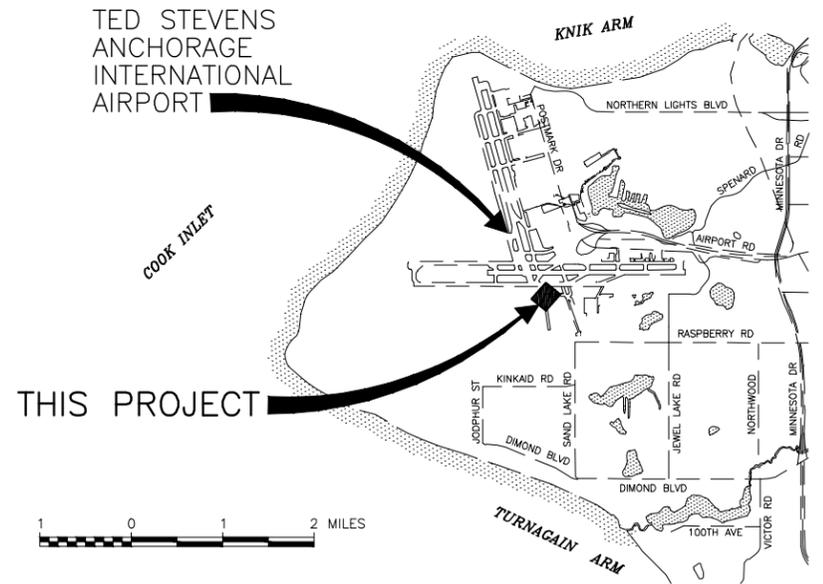


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 Checked By: RB



ALASKA CENTRAL REGION LOCATION MAP

NOT TO SCALE



VICINITY MAP

T 12 N, R 4 W SEC. 3, 4, 5, & 6
 T 13 N, R 4 W, SEC. 20, 21, 27, 28, 29, 31, 32, 33, 34, & 35
 SEWARD MERIDIAN
 U.S.G.S. ANCHORAGE (A-B), ALASKA

PLANS DEVELOPED BY:
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BY	DATE	REVISION

TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT

ANCHORAGE, ALASKA

ANC TAXILANE Z1 SIGN INSTALLATION PROJECT No. CFAPT01388 AIRPORT IMPROVEMENT PROGRAM No. 3-02-0016-XXX-2026

PSE REVIEW JANUARY 2026

APPROVED LUKE BOWLAND, P.E.	DATE REGIONAL PRECONSTRUCTION ENGINEER
APPROVED JENNIFER PEPIN, P.E.	DATE ENGINEERING, ENVIRONMENT & PLANNING MANAGER
APPROVED JENNIFER LOMBARDO, P.E.	DATE PROJECT MANAGER
CONCUR JOEL G. ST. AUBIN, P.E.	DATE REGIONAL CONSTRUCTION ENGINEER

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TED STEVENS ANCHORAGE
 ANCHORAGE, ALASKA
 ANC TAXILANE Z1 SIGN INSTALLATION
 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
 TITLE, SIGNATURES, LOCATION MAP & VICINITY MAP

DATE:
 JANUARY 2026
 SHEET:
 1 of 10

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INDEX

LEGEND

ABBREVIATIONS

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DESCRIPTION	EXISTING	PROPOSED
ABANDONED UNDERGROUND ELECTRIC & COMMUNICATION	--- ABDN-UCOM-UGE ---	
AOA FENCE (WIRE STRAND)	---XX---XX---XX---	
AIRPORT PROPERTY BOUNDARY	-----	
ARTICULATED CONCRETE MATTING		
BUILDING		
CENTERLINE (RUNWAY/TAXIWAY)	-----	=====
COMMUNICATION MANHOLE		
CONCRETE		
CONTOURS	---100---	---100---
CULVERT WITH END SECTIONS		
CUT LIMITS		-----
ELECTRICAL MANHOLE		
FENCE (CHAIN POST)	--- X --- X ---	
FILL LIMITS	
FLUSH CENTERLINE LIGHT		
FLUSH RUNWAY EDGE LIGHT		
GRAVEL EDGE	-----	
HANDHOLE		
HAUL ROUTE		
IDENTIFICATION BUBBLE / SHEET NOTE REFERENCE SYMBOL		
DITCH / SWALE	-----	----->
LIGHTED SIGN		
PAINT STRIPE	=====	=====
PAVEMENT/SHOULDER (EDGE)	=====	=====
POINT NUMBER		
RUNWAY/TAXIWAY EDGE LIGHT		
RUNWAY OBJECT FREE AREA	--- ROFA ---	
RUNWAY SAFETY AREA	--- RSA ---	
SIGN POST WITH MARKER		
STORM DRAIN LINE	--- SD ---	
SLOPE WITH GRADE		
STORM DRAIN CLEANOUT		
STORM DRAIN FIELD INLET		
STORM DRAIN MANHOLE		
TAXIWAY OBJECT FREE AREA	--- TOFA ---	--- TOFA ---
TAXIWAY SAFETY AREA	--- TSA ---	
UNDERGROUND ELECTRIC & COMMUNICATION	--- UCOM-UGE ---	
UNDERGROUND COMMUNICATION	--- UCOM ---	

ATCT	AIR TRAFFIC CONTROL TOWER
AWOS	AUTOMATED WEATHER OBSERVING SYSTEM
BOP	BEGINNING OF PROJECT
BVCS	BEGIN VERTICAL CURVE STATION
BVCE	BEGIN VERTICAL CURVE ELEVATION
CASC	CRUSHED AGGREGATE SURFACE COURSE
CL	CENTERLINE
CS	CONTINGENT SUM
CY	CUBIC YARD
DIA	DIAMETER
DOT	DEPARTMENT OF TRANSPORTATION
ELEV	ELEVATION
EOP	END OF PROJECT / EDGE OF PAVEMENT
ESCP	EROSION AND SEDIMENT CONTROL PLAN
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
GB	GRADE BREAK
HMA	HOT MIX ASPHALT
LF	LINEAR FOOT
LS	LUMP SUM
LT	LEFT
MAINT	MAINTENANCE
ME	MATCH EXISTING
MIRL	MEDIUM INTENSITY RUNWAY LIGHTING
MITL	MEDIUM INTENSITY TAXIWAY LIGHTING
NTS	NOT TO SCALE
NIC	NOT IN CONTRACT
OFA	OBJECT FREE AREA
OG	ORIGINAL GROUND
PC	POINT OF CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
RAP	RECYCLED ASPHALT PAVEMENT
RD	ROAD
RP	RADIUS POINT
RSA	RUNWAY SAFETY AREA
RT	RIGHT
RW	RUNWAY
SF	SQUARE FEET
STA	STATION
TW	TAXIWAY
TYP	TYPICAL

APPENDIX DRAWINGS

SHEET TITLE	SHEET No.
SURVEY CONTROL	TO BE PROVIDED AT FINAL
PHASING PLAN	AC1-AC5

ALASKA STANDARD PLANS

SHEET TITLE	SHEET No.
CULVERT PIPE AND ARCH INSTALLATION DETAILS	D-01.02
PIPE AND ARCH TABLES	D-04.22
CULVERT MARKER POST	D-09.00



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 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
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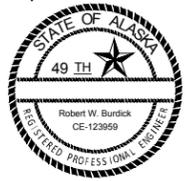
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 2 of 10

ESTIMATED QUANTITIES

ESTIMATING FACTORS

No.	ITEM	UNIT	QUANTITY	No.	ITEM	UNIT	QUANTITY	No.	ITEM	FACTOR
D701.010.0018	CS PIPE, 18-INCH	L.F.	110	P401.040.5834	ASPHALT BINDER, PG 58-34E	TON	13	P154.020.0000	SUBBASE COURSE	2.00 TON/CY
D701.010.0036	CS PIPE, 36-INCH	L.F.	65	P641.010.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	L.S.	ALL REQ'D	P401.010.0030	HOT MIX ASPHALT TYPE II, CLASS A	2.05 TON/CY
D760.010.0030	THAW PIPE, 1.5-INCH	L.F.	175	P641.020.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	C.S.	ALL REQ'D	P401.040.5834	ASPHALT BINDER, PG 58-34E	5.5% OF P401.010.00XX
G100.010.0000	MOBILIZATION AND DEMOBILIZATION	L.S.	ALL REQ'D	P641.060.0000	WITHHOLDING	C.S.	ALL REQ'D	P603.010.0010	TACK COAT, STE-1	0.8416 LB/SY
G135.010.0000	CONSTRUCTION SURVEYING BY THE CONTRACTOR	L.S.	ALL REQ'D	P641.070.0000	SWPPP MANAGER	L.S.	ALL REQ'D	T901.020.0000	SEEDING	5 LB/1000 SF
G135.020.0000	EXTRA THREE PERSON SURVEY PARTY	HOURL	20	P641.110.0000	SWPPPTRACK	C.S.	ALL REQ'D			
G150.020.0075	EQUIPMENT RENTAL, DOZER 75-HP MINIMUM	C.S.	ALL REQ'D	P670.010.0000	HAZARD MARKER BARRIER, PLASTIC	EACH	10			
G150.030.0000	EQUIPMENT RENTAL, VAC-TRUCK	C.S.	ALL REQ'D	P681.010.0000	GEOTEXTILE, SEPARATION	S.Y.	900			
G300.010.0000	CPM SCHEDULING	L.S.	ALL REQ'D	T901.020.0000	SEEDING	LB	40			
G700.040.0000	TRAFFIC CONTROL FOR AIRPORTS	C.S.	ALL REQ'D	T905.010.0020	TOPSOILING, CLASS B	S.Y.	920			
L108.010.2008	UNDERGROUND CABLE #8 AWG, COPPER, 5KV FAA TYPE C, L-824	L.F.	1,100	T908.225.0000	TURF REINFORCEMENT MAT	S.Y.	160			
L108.030.0006	#6 BARE COPPER GROUND CONDUCTOR	L.F.	1,000							
L108.070.0000	GROUND ROD	EACH	3							
L108.080.0014	UNDERGROUND CABLE #14 AWG, 2-CONDUCTOR, COPPER, 600V, TYPE "SOOW-A/SOOW"	L.F.	100							
L110.080.1002	HDPE CONDUIT, 2-INCH	L.F.	160							
L125.040.0000	TAXIWAY EDGE LIGHT, L-861T	EACH	5							
L125.070.0000	REMOVE RUNWAY AND TAXIWAY LIGHT	EACH	5							
L125.130.0000	AIRPORT SIGN, L-858	EACH	5							
L125.170.0000	SPARE PARTS	C.S.	ALL REQ'D							
L125.500.0000	MISCELLANEOUS AIRPORT ELECTRICAL WORK	C.S.	ALL REQ'D							
P151.040.0000	CLEARING & GRUBBING	L.S.	ALL REQ'D							
P152.010.0000	UNCLASSIFIED EXCAVATION	C.Y.	800							
P154.020.0000	SUBBASE COURSE	TON	1,600							
P160.010.0000	EXCAVATION OF PAVEMENT, AC	S.Y.	200							
P161.020.0000	RECYCLED ASPHALT PAVEMENT	C.Y.	200							
P165.010.0000	REMOVAL OF STRUCTURES	L.S.	ALL REQ'D							
P401.010.0030	HOT MIX ASPHALT TYPE II, CLASS A	TON	240							

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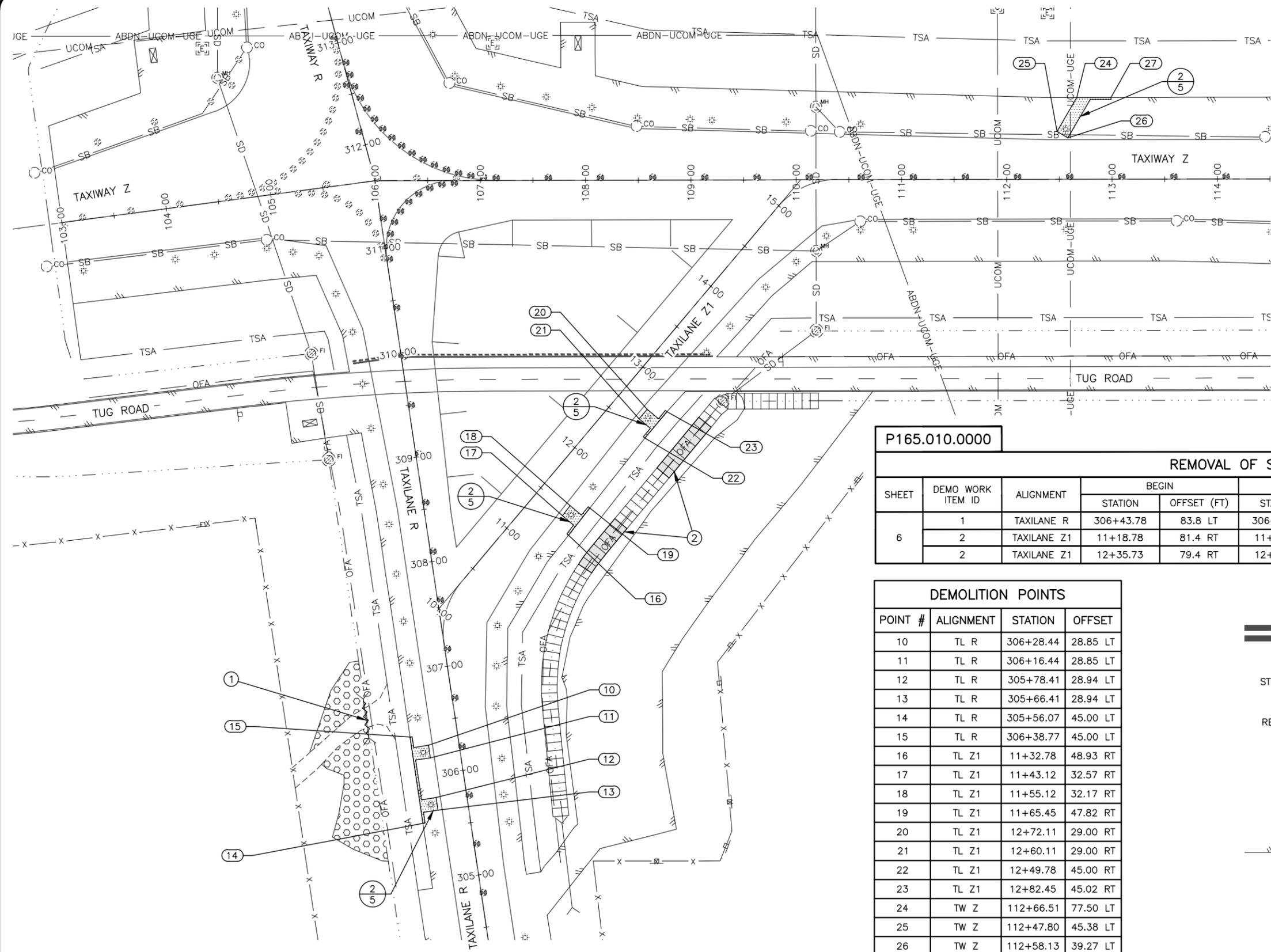
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 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
 ESTIMATED QUANTITIES

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LEGEND

- EXCAVATION FOR ELECTRICAL TRENCH (4" HMA, 7" RAP, SUBGRADE AS NECESSARY)
- GRUBBING LIMITS
- REMOVAL OF ARTICULATED CONCRETE MATTING
- CULVERT REMOVAL

DEMOLITION WORK THIS SHEET:

- ① REMOVE CULVERT & END SECTIONS
- ② REMOVE ARTICULATED CONCRETE MATTING

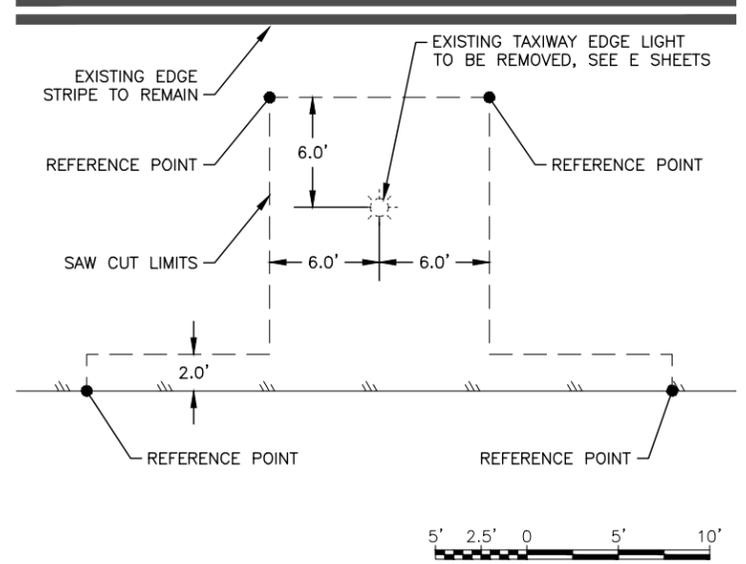
NOTES:

1. SEE TYPICAL SECTIONS, SHEET 6.
2. SEE SHEET E2 FOR ELECTRICAL DEMOLITION.
3. UNDERGROUND UTILITIES IN THESE DRAWINGS ARE SHOWN IN GENERAL LOCATIONS ONLY. OTHER UTILITIES MAY EXIST THROUGHOUT THE PROJECT AREA. DEPTHS OF MOST ARE UNKNOWN. LOCATE UTILITIES IN THE VICINITY PRIOR TO EXCAVATION AND DEMOLITION WORK.
4. ALL JOINTS WITH EXISTING PAVEMENTS SHALL BE SAW CUT AND PROTECTED FROM DAMAGE.
5. PROTECT IN PLACE EXISTING STORM DRAIN & CULVERTS UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.

P165.010.0000

REMOVAL OF STRUCTURES							
SHEET	DEMO WORK ITEM ID	ALIGNMENT	BEGIN		END		REMARKS
			STATION	OFFSET (FT)	STATION	OFFSET (FT)	
6	1	TAXILANE R	306+43.78	83.8 LT	306+80.98	87.8 LT	REMOVE CULVERT & END SECTIONS
	2	TAXILANE Z1	11+18.78	81.4 RT	11+73.34	79.9 RT	REMOVE ARTICULATED CONCRETE MATTING
	2	TAXILANE Z1	12+35.73	79.4 RT	12+98.13	78.9 RT	REMOVE ARTICULATED CONCRETE MATTING

DEMOLITION POINTS			
POINT #	ALIGNMENT	STATION	OFFSET
10	TL R	306+28.44	28.85 LT
11	TL R	306+16.44	28.85 LT
12	TL R	305+78.41	28.94 LT
13	TL R	305+66.41	28.94 LT
14	TL R	305+56.07	45.00 LT
15	TL R	306+38.77	45.00 LT
16	TL Z1	11+32.78	48.93 RT
17	TL Z1	11+43.12	32.57 RT
18	TL Z1	11+55.12	32.17 RT
19	TL Z1	11+65.45	47.82 RT
20	TL Z1	12+72.11	29.00 RT
21	TL Z1	12+60.11	29.00 RT
22	TL Z1	12+49.78	45.00 RT
23	TL Z1	12+82.45	45.02 RT
24	TW Z	112+66.51	77.50 LT
25	TW Z	112+47.80	45.38 LT
26	TW Z	112+58.13	39.27 LT
27	TW Z	112+99.18	77.50 LT



1
5

2
5

DEMOLITION PLAN

PAVEMENT DEMOLITION DETAIL



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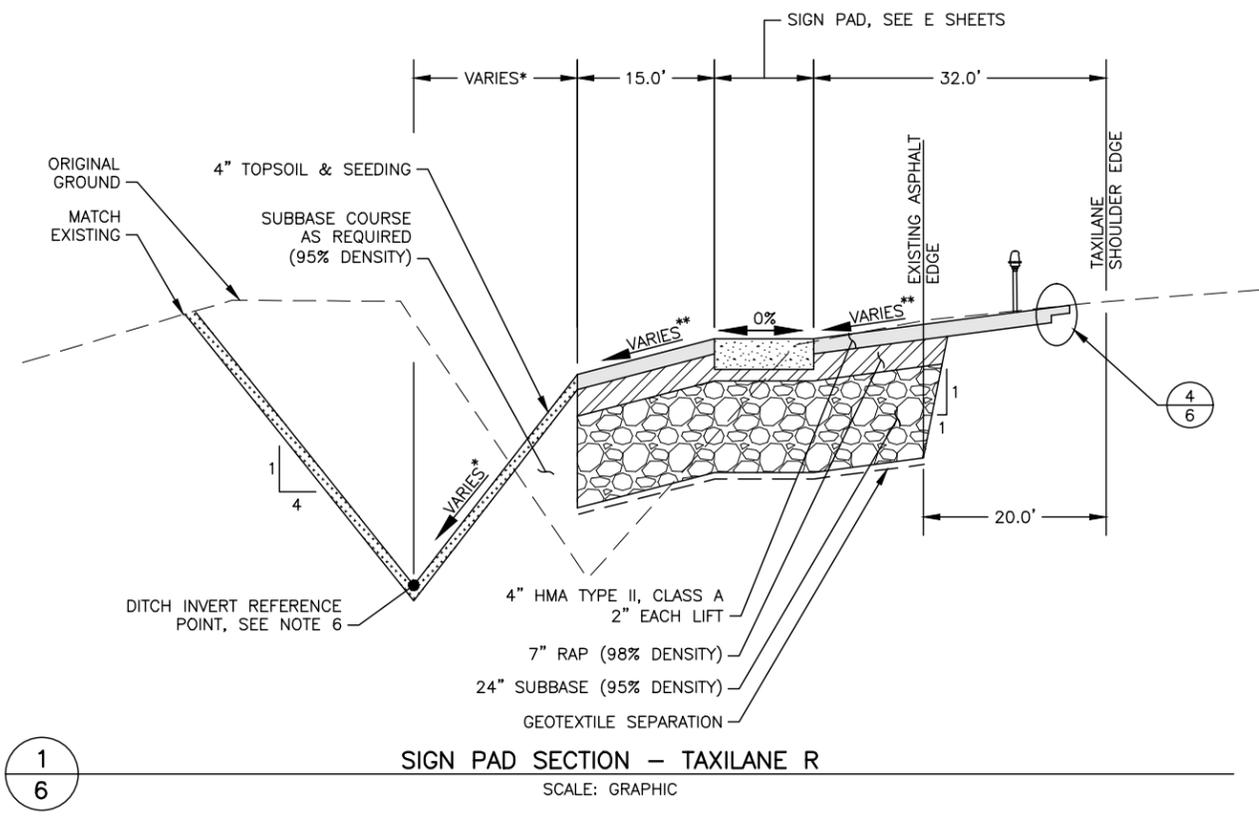
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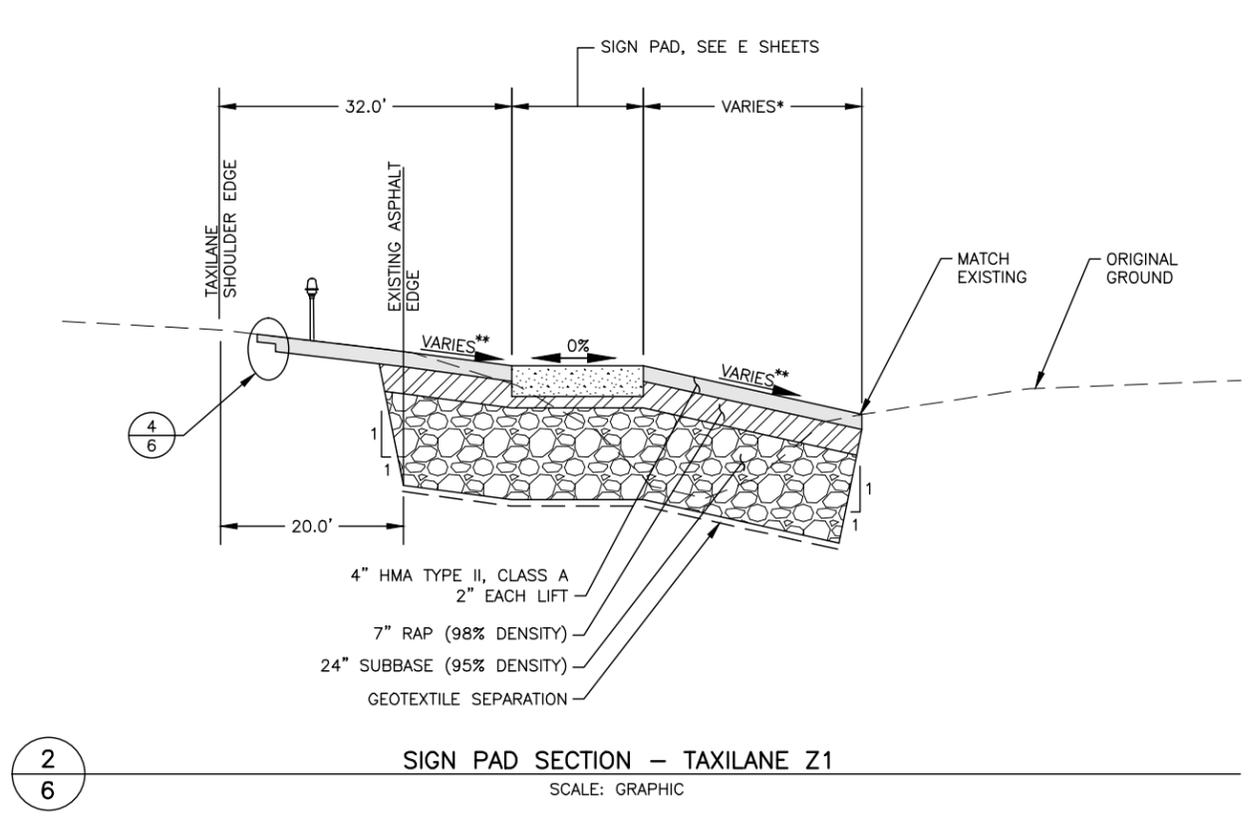
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 AIP No. 3-02-0016-XXX-2026
 DEMOLITION PLAN

DATE:
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 5 of 10

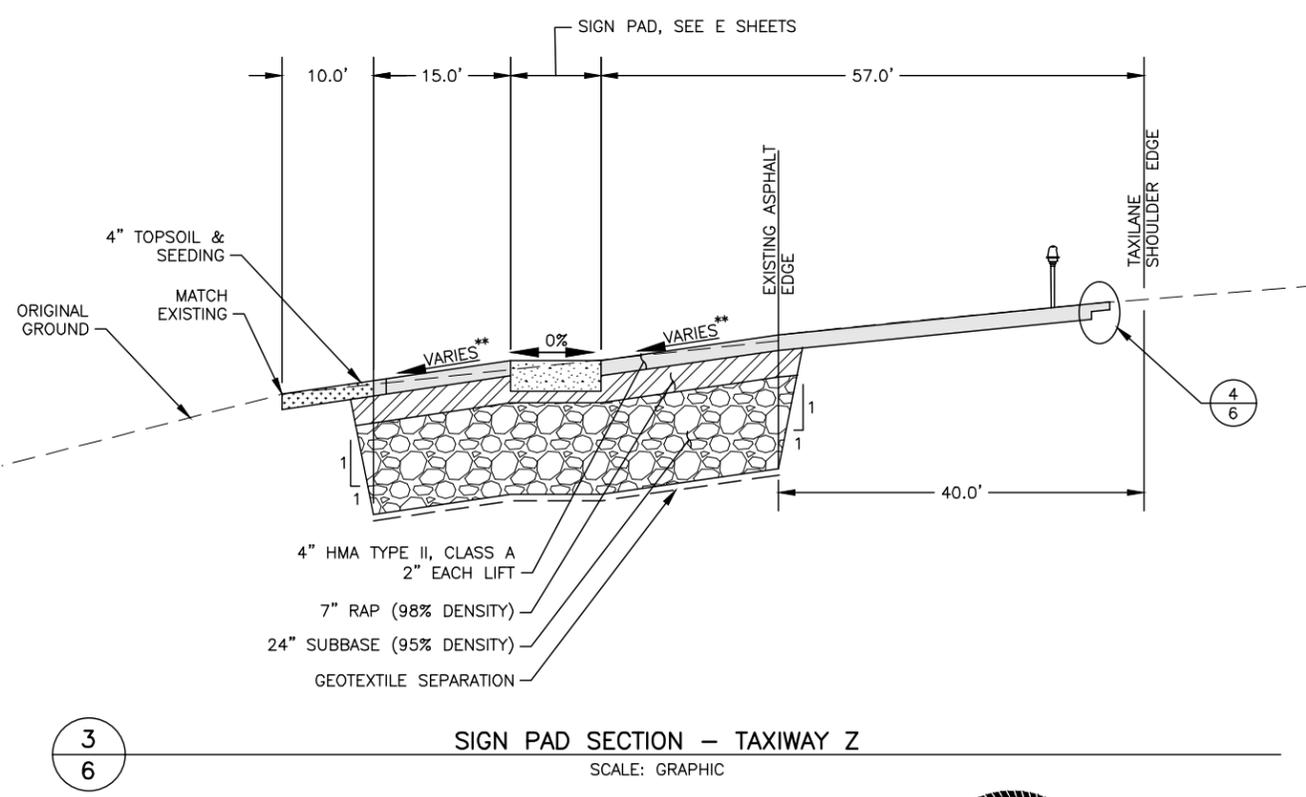
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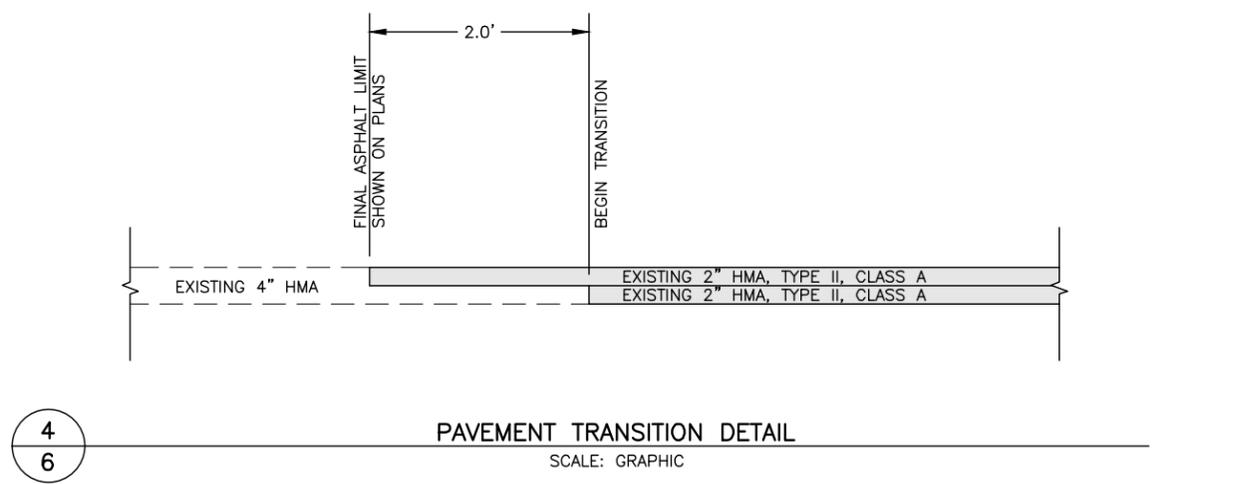
1
6
SIGN PAD SECTION - TAXILANE R
SCALE: GRAPHIC



2
6
SIGN PAD SECTION - TAXILANE Z1
SCALE: GRAPHIC



3
6
SIGN PAD SECTION - TAXIWAY Z
SCALE: GRAPHIC



4
6
PAVEMENT TRANSITION DETAIL
SCALE: GRAPHIC

NOTES:

- ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATIVE METHOD APPROVED BY THE ENGINEER.
- APPLY JOINT ADHESIVE ON ALL COLD JOINTS.
- STE-1 TACK COAT REQUIRED ON ALL MILLED SURFACES, BETWEEN ALL PAVEMENT LIFTS, AND ON ALL TRANSVERSE JOINTS.
- DENSITY CALLOUTS IN THE TYPICAL SECTIONS REPRESENT THE REQUIRED MINIMUM PERCENT OF THE MAXIMUM DENSITY.
- EXCAVATIONS SHALL BE MAINTAINED TO BE WELL DRAINED AT ALL TIMES. DO NOT ALLOW SURFACE WATER TO COLLECT AND SATURATE THE SUBGRADE (SEE SPECIFICATION SUBSECTION P-152-3.2). SURFACE RUNOFF COLLECTED IN EXCAVATIONS SHALL BE REMOVED IMMEDIATELY BY PUMPING OR OTHER ACCEPTABLE MANNER.
- SEE DETAIL 3 SHEET 9 FOR TURF REINFORCEMENT MATTING DETAILS.

LEGEND:

	HMA TYPE II, CLASS A		PCC
	SUBBASE COURSE		TOPSOIL & SEEDING
	RAP		

* DIMENSIONS VARY, SEE SITE PLAN AND GRADING SHEETS
 ** MAXIMUM CROSS SLOPE SHALL BE 5%, SEE GRADING SHEETS



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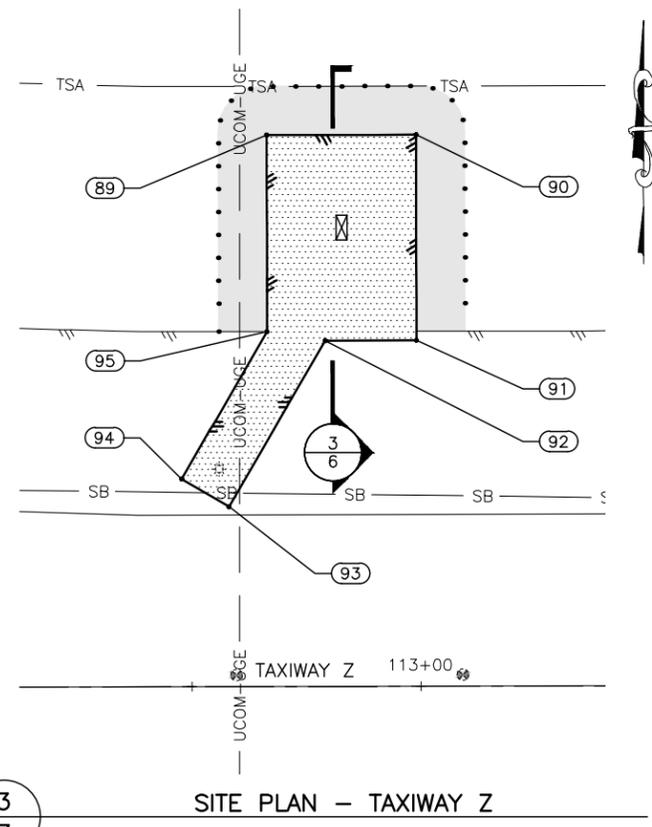
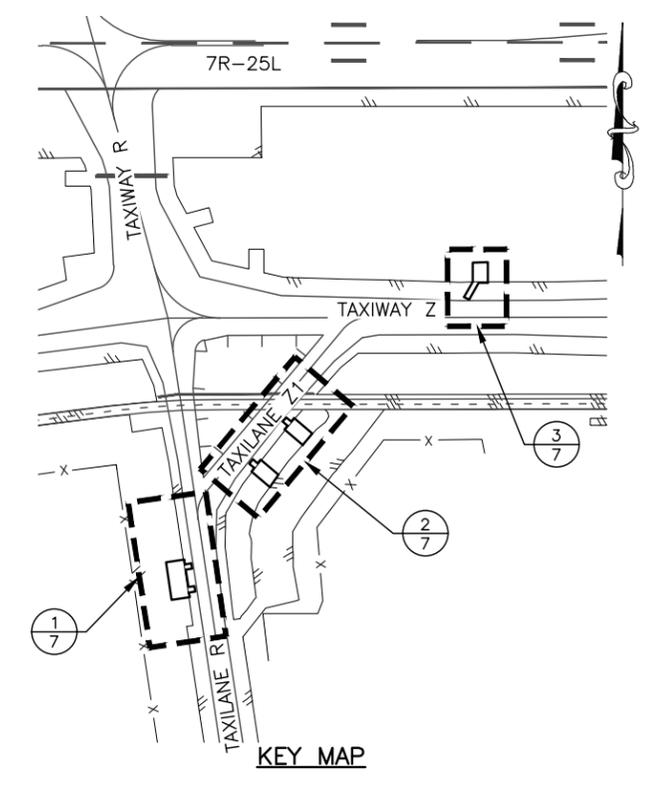
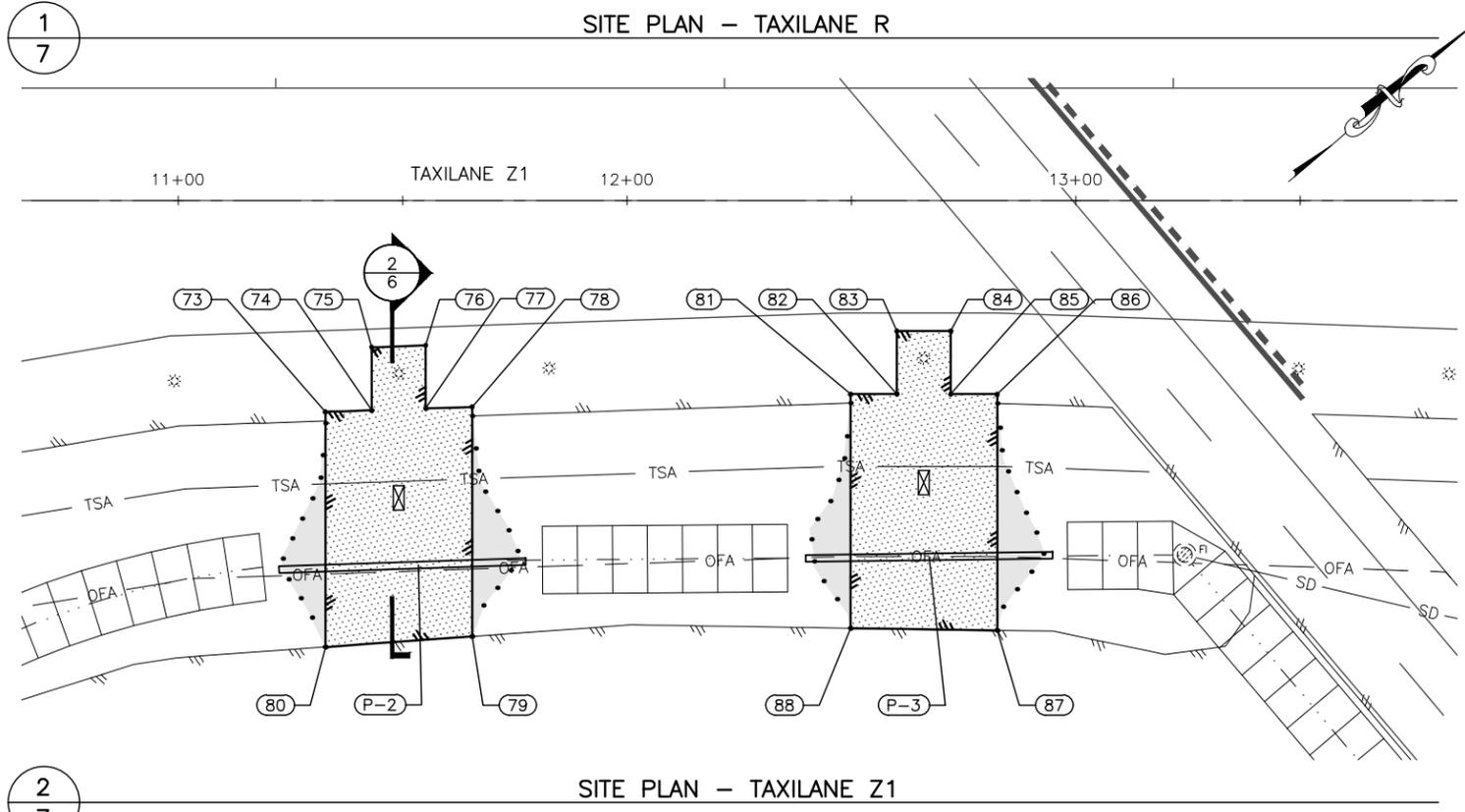
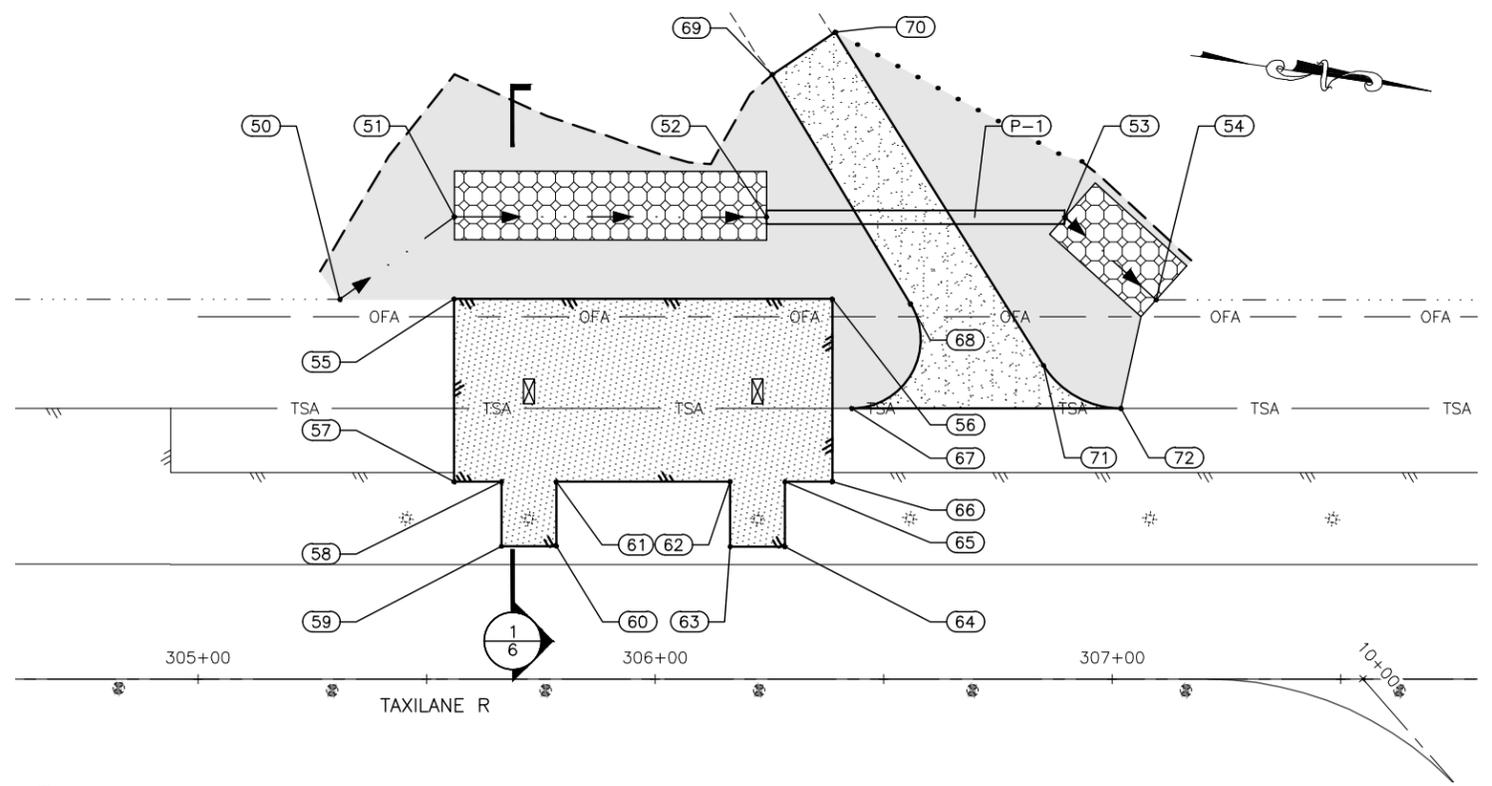
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 Checked By: ###

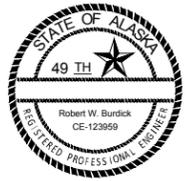
SITE PLAN POINTS			
POINT #	ALIGNMENT	STATION	OFFSET
50	TL R	305+31.07	82.78 LT
51	TL R	305+56.08	100.77 LT
52	TL R	306+24.38	100.75 LT
53	TL R	306+89.63	100.72 LT
54	TL R	307+09.62	82.72 LT
55	TL R	305+56.07	82.89 LT
56	TL R	306+38.77	82.89 LT
57	TL R	305+56.07	43.00 LT
58	TL R	305+66.41	43.00 LT
59	TL R	305+66.41	28.94 LT
60	TL R	305+78.41	28.94 LT
61	TL R	305+78.41	43.00 LT
62	TL R	306+16.44	43.00 LT
63	TL R	306+16.44	28.85 LT
64	TL R	306+28.44	28.85 LT
65	TL R	306+28.44	43.00 LT
66	TL R	306+38.77	43.00 LT
67	TL R	306+43.03	59.00 LT
68	TL R	306+55.87	81.75 LT
69	TL R	306+25.64	131.81 LT
70	TL R	306+39.39	141.04 LT
71	TL R	306+85.01	68.37 LT
72	TL R	307+01.95	59.00 LT
73	TL Z1	11+32.78	46.93 RT
74	TL Z1	11+43.12	46.58 RT
75	TL Z1	11+43.12	32.57 RT
76	TL Z1	11+55.12	32.17 RT
77	TL Z1	11+55.12	46.17 RT
78	TL Z1	11+65.45	45.82 RT
79	TL Z1	11+65.45	96.82 RT
80	TL Z1	11+32.78	99.17 RT
81	TL Z1	12+49.78	43.00 RT
82	TL Z1	12+60.11	43.00 RT
83	TL Z1	12+60.11	29.00 RT
84	TL Z1	12+72.11	29.00 RT
85	TL Z1	12+72.11	43.00 RT
86	TL Z1	12+82.45	43.00 RT
87	TL Z1	12+82.45	95.47 RT
88	TL Z1	12+49.78	94.99 RT
89	TW Z	112+66.51	120.39 LT
90	TW Z	112+99.18	120.38 LT
91	TW Z	112+99.18	75.50 LT
92	TW Z	112+79.24	75.50 LT
93	TW Z	112+58.13	39.27 LT
94	TW Z	112+47.80	45.38 LT
95	TW Z	112+66.51	77.50 LT



LEGEND

	4" HMA TYPE II, CLASS A
	7" RAP
	24" SUBBASE COURSE
	TOPSOIL AND SEED
	TURF REINFORCEMENT MATTING
	APPROACH RECONSTRUCTION
	4" RAP

- NOTES:**
- SEE SHEET 5 FOR DEMOLITION PLAN.
 - SEE SHEET 6 FOR TYPICAL SECTIONS.
 - SEE SHEET 8 FOR GRADING PLAN.
 - SEE E SHEETS FOR ELECTRICAL IMPROVEMENTS.



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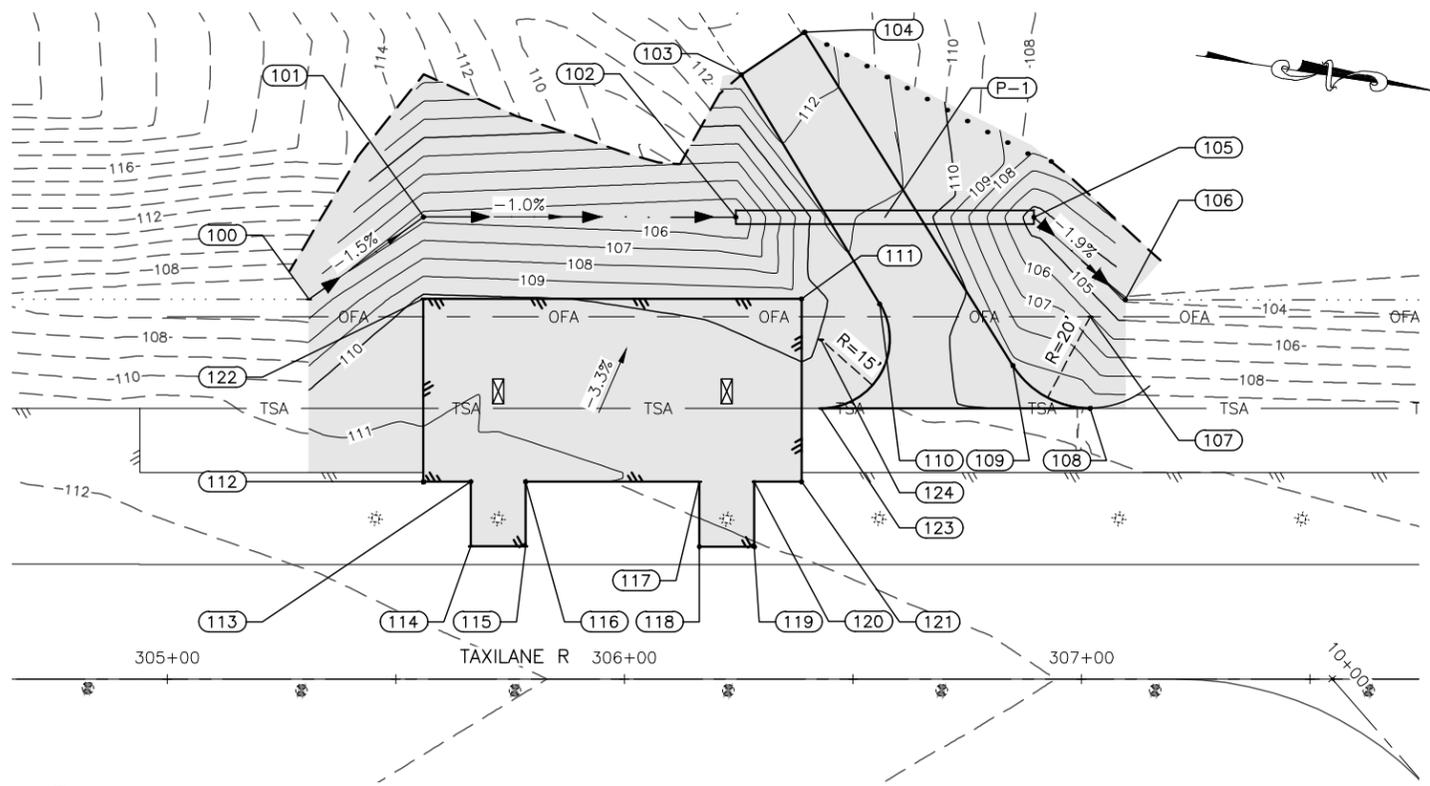
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 ANCHORAGE, ALASKA
 ANC TAXILANE Z1 SIGN INSTALLATION
 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
 SITE PLAN

DATE:
 JANUARY 2026
 SHEET:
 7 of 10

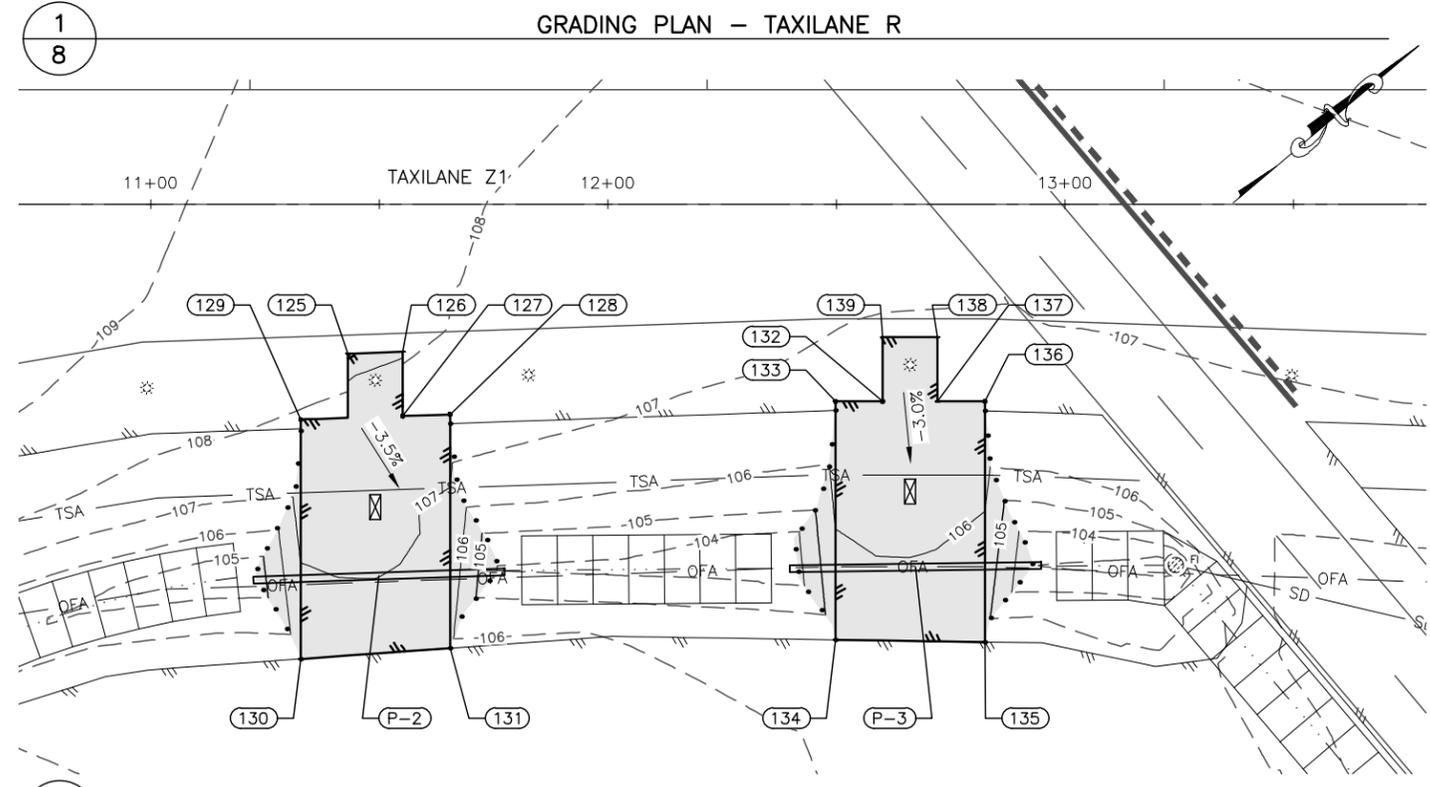
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 Drawn By: JM
 Checked By: RB

GRADING POINTS

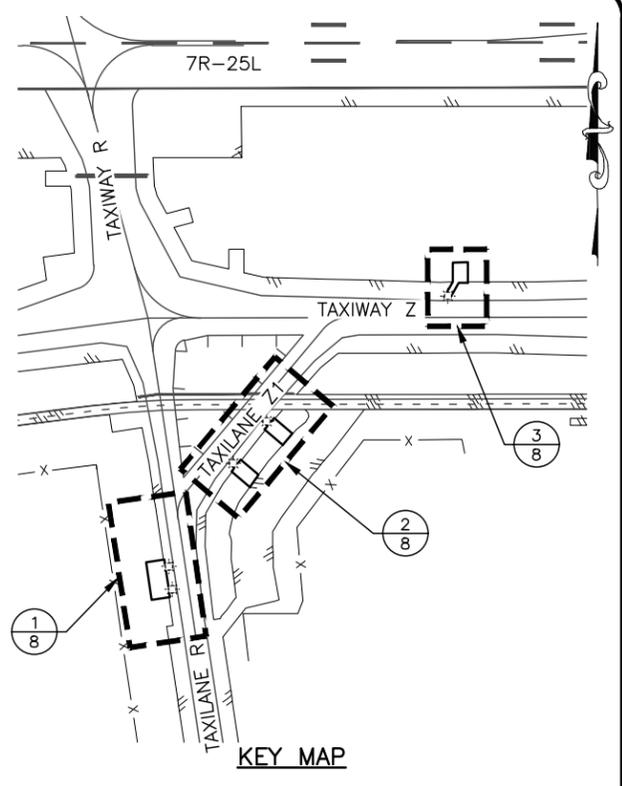
POINT #	ALIGNMENT	STATION	OFFSET	ELEVATION	DESCRIPTION
100	TL R	305+31.07	82.78 LT	106.16	DITCH INVERT, ME
101	TL R	305+56.08	100.77 LT	105.69	DITCH INVERT
102	TL R	306+24.38	100.75 LT	105.00	DITCH INVERT
103	TL R	306+25.64	131.81 LT	112.80	ME
104	TL R	306+39.39	141.04 LT	112.54	ME
105	TL R	306+89.63	100.72 LT	104.40	DITCH INVERT
106	TL R	307+09.62	82.72 LT	103.88	DITCH INVERT, ME
107	TL R	307+01.95	79.00 LT	106.07	RP, R=20'
108	TL R	307+01.95	59.00 LT	109.81	PC, ME
109	TL R	306+85.01	68.37 LT	109.27	PT
110	TL R	306+55.87	81.75 LT	110.81	PC
111	TL R	306+38.77	82.89 LT	109.59	EOP
112	TL R	305+56.07	43.00 LT	111.31	EOP, ME
113	TL R	305+66.41	43.00 LT	111.25	EOP, ME
114	TL R	305+66.41	28.94 LT	111.56	EOP, ME
115	TL R	305+78.41	28.94 LT	111.46	EOP, ME
116	TL R	305+78.41	43.00 LT	111.15	EOP, ME
117	TL R	306+16.44	43.00 LT	110.83	EOP, ME
118	TL R	306+16.44	28.85 LT	111.13	EOP, ME
119	TL R	306+28.44	28.85 LT	111.02	EOP, ME
120	TL R	306+28.44	43.00 LT	110.73	EOP, ME
121	TL R	306+38.77	43.00 LT	110.66	EOP, ME
122	TL R	305+56.07	82.89 LT	110.26	EOP
123	TL R	306+43.03	59.00 LT	110.37	PC
124	TL R	306+43.03	74.00 LT	110.07	RP, R=15'
125	TL Z1	11+43.12	32.57 RT	108.13	EOP, ME
126	TL Z1	11+55.12	32.17 RT	107.94	EOP, ME
127	TL Z1	11+55.12	46.17 RT	107.66	EOP, ME
128	TL Z1	11+65.45	45.82 RT	107.52	EOP, ME
129	TL Z1	11+32.78	46.93 RT	107.92	EOP, ME
130	TL Z1	11+32.78	99.17 RT	106.38	EOP, ME
131	TL Z1	11+65.45	96.82 RT	107.44	EOP, ME
132	TL Z1	12+60.11	43.00 RT	106.64	EOP, ME
133	TL Z1	12+49.78	43.00 RT	106.65	EOP, ME
134	TL Z1	12+49.78	94.99 RT	105.41	EOP, ME
135	TL Z1	12+82.45	95.47 RT	105.14	EOP, ME
136	TL Z1	12+82.45	43.00 RT	106.69	EOP, ME
137	TL Z1	12+72.11	43.00 RT	106.62	EOP, ME
138	TL Z1	12+72.11	29.00 RT	106.95	EOP, ME
139	TL Z1	12+60.11	29.00 RT	106.98	EOP, ME
140	TW Z	112+66.51	120.39 LT	105.80	EOP
141	TW Z	112+66.51	77.50 LT	106.86	EOP, ME
142	TW Z	112+47.80	45.38 LT	107.56	EOP, ME
143	TW Z	112+58.13	39.27 LT	107.64	EOP, ME
144	TW Z	112+99.18	120.38 LT	105.71	EOP
145	TW Z	112+99.18	75.50 LT	106.78	EOP, ME
146	TW Z	112+79.24	75.50 LT	106.85	EOP, ME



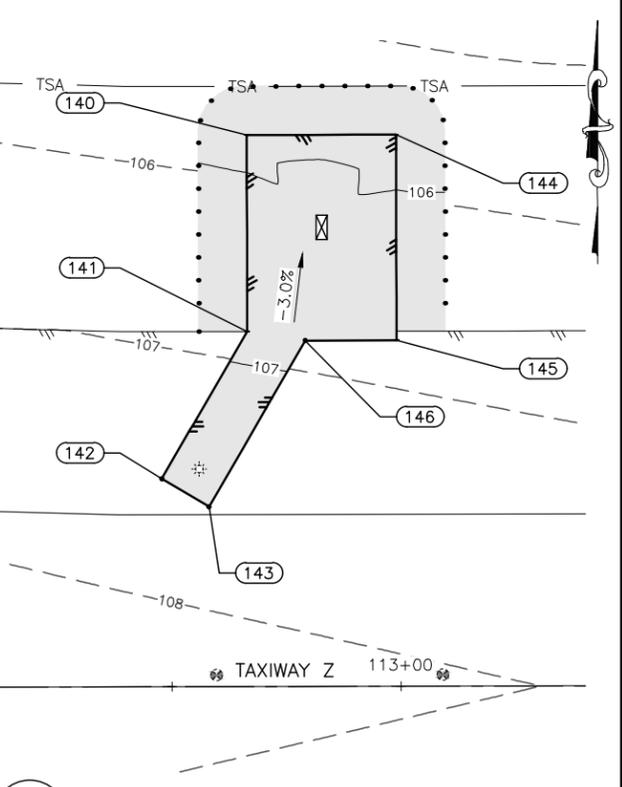
GRADING PLAN - TAXILANE R



GRADING PLAN - TAXILANE Z1



KEY MAP



GRADING PLAN - TAXIWAY Z

NOTES:

- ELEVATIONS SHOWN ARE TOP OF FINISHED GRADE.
- UNDERGROUND UTILITIES NOT SHOWN FOR CLARITY.
- SEE SHEET 5 FOR DEMOLITION PLAN.
- SEE SHEET 6 FOR TYPICAL SECTIONS.
- SEE SHEET 7 FOR SITE PLAN.
- SEE E SHEETS FOR ELECTRICAL IMPROVEMENTS.

LEGEND

LIMITS OF GRADING, SEE SITE PLAN SHEETS FOR SURFACE TYPE



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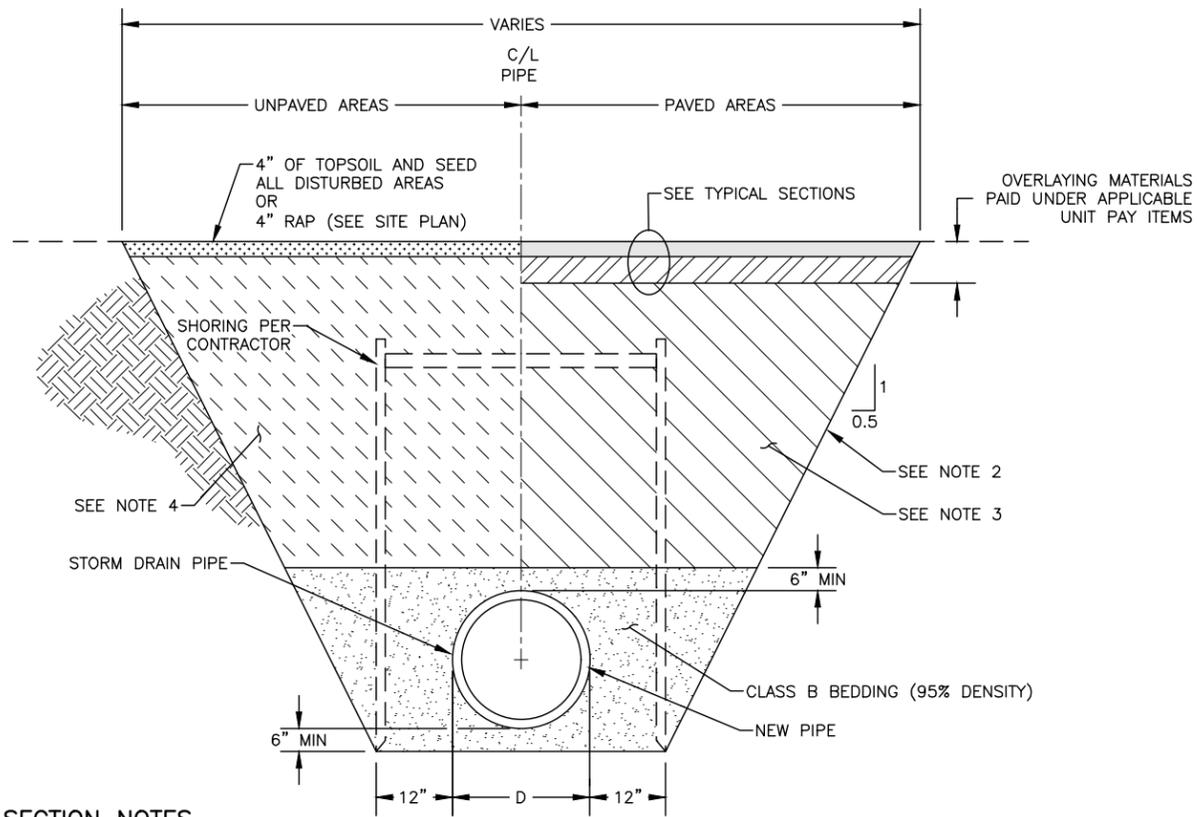
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 GRADING PLAN

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 8 of 10

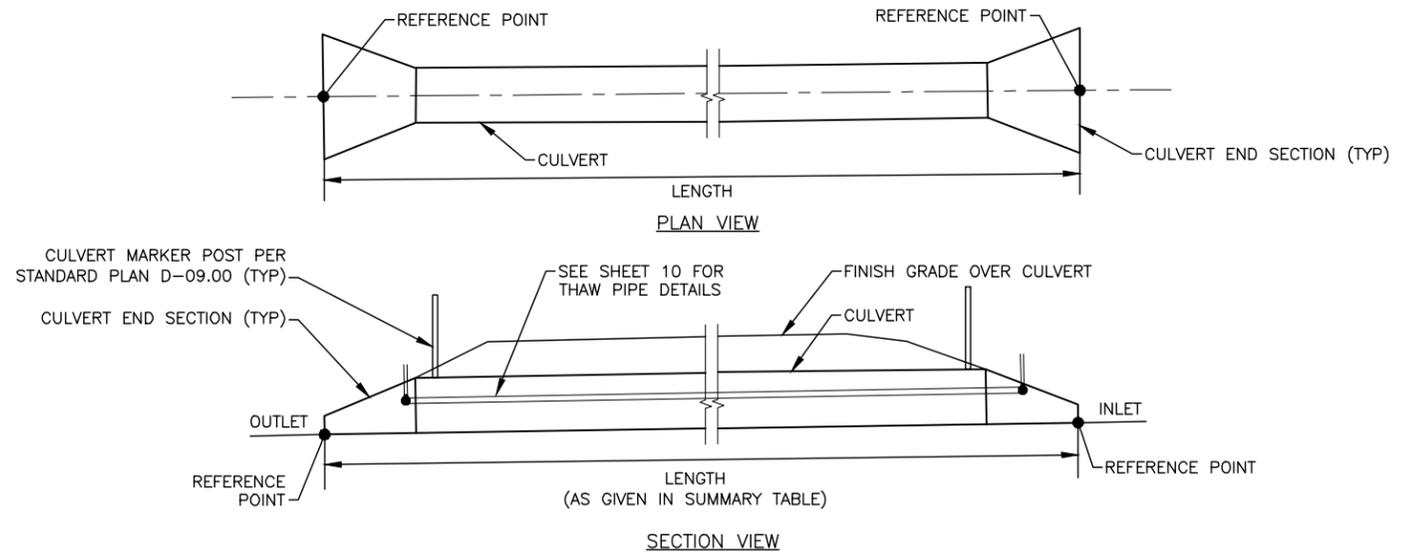
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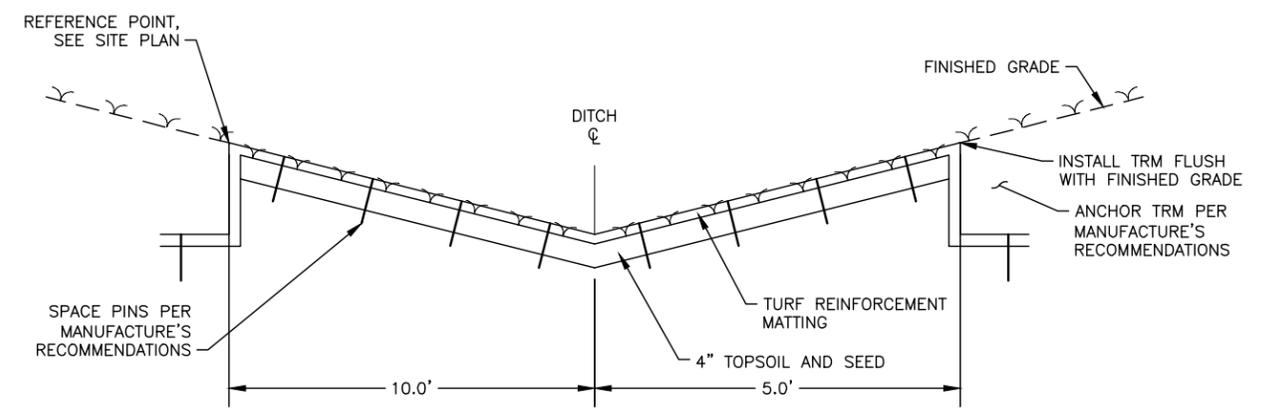
TRENCH SECTION NOTES

1. TRENCH EXCAVATION AND SHORING SHALL COMPLY WITH ALL LOCAL, STATE AND OSHA REGULATIONS AND REQUIREMENTS.
2. TRENCH WALL SLOPES WILL VARY WITH SOIL STRENGTH AND CHARACTER. SLOPES SHALL CONFORM TO OSHA SAFETY STANDARDS.
3. TRENCH BACKFILL UNDER PAVED AREAS SHALL BE SUITABLE MATERIALS COMPACTED TO 95% MAX. DENSITY.
4. TRENCH BACKFILL UNDER UNPAVED AREAS SHALL BE SUITABLE MATERIALS (WAIVING THE #200 SIEVE REQUIREMENT) COMPACTED TO 95% MAX. DENSITY.
5. DENSITY CALLOUTS REPRESENT THE REQUIRED MINIMUM PERCENT OF THE MAXIMUM DENSITY.

1
9 **STORM DRAIN/CULVERT TRENCH SECTION**
SCALE: NTS



2
9 **CULVERT REFERENCE DETAIL**
SCALE: NTS



TURF REINFORCEMENT MATTING NOTES

1. SUBMIT A LAYOUT PLAN SHOWING ALL PRE-ASSEMBLED MATS FOR APPROVAL BY THE ENGINEER.

3
9 **TURF REINFORCEMENT MATTING**
SCALE: NTS

CULVERT SUMMARY															
SHEET	PIPE ID	ALIGNMENT NAME	SIZE (INCH)	PIPE TYPE	D701.0100.0018	D701.010.0036	D760.010.0030	END SECTIONS	INLET STATION	INLET OFFSET	INLET ELEV. (FT)	OUTLET STATION	OUTLET OFFSET	OUTLET ELEV. (FT)	SLOPE %
					CS PIPE 18-INCH	CS PIPE 36-INCH	THAW PIPE 1.5-INCH								
7	P-1	TW R	36	CS		65.24	65.24	2	306+24.38	100.7 LT	105.00	306+89.63	100.7 LT	104.40	0.92%
7	P-2	TL Z1	18	CS	55.00		55.00	2	11+22.43	82.0 RT	104.50	11+77.40	80.2 RT	104.00	0.91%
7	P-3	TL Z1	18	CS	55.00		55.00	2	12+39.76	79.5 RT	103.80	12+94.76	78.7 RT	103.00	1.45%
TOTAL					110	65	175	6							



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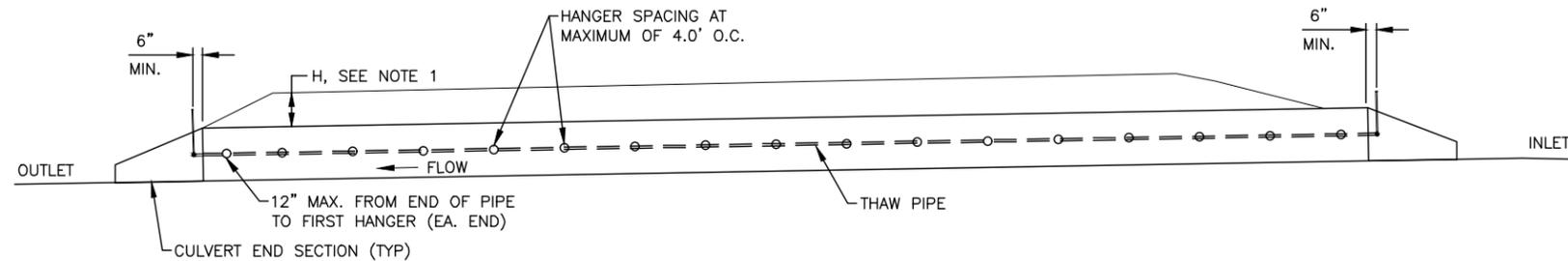
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 9 of 10

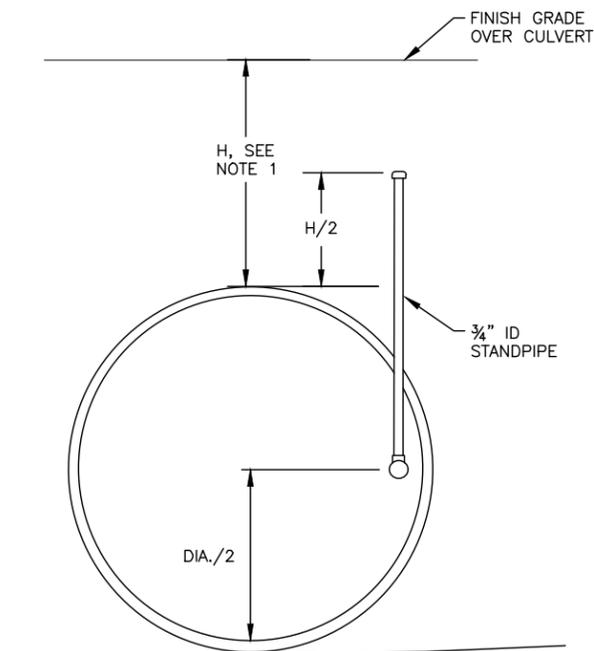
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 Designed By: JM
 Drawn By: JM
 Checked By: RB



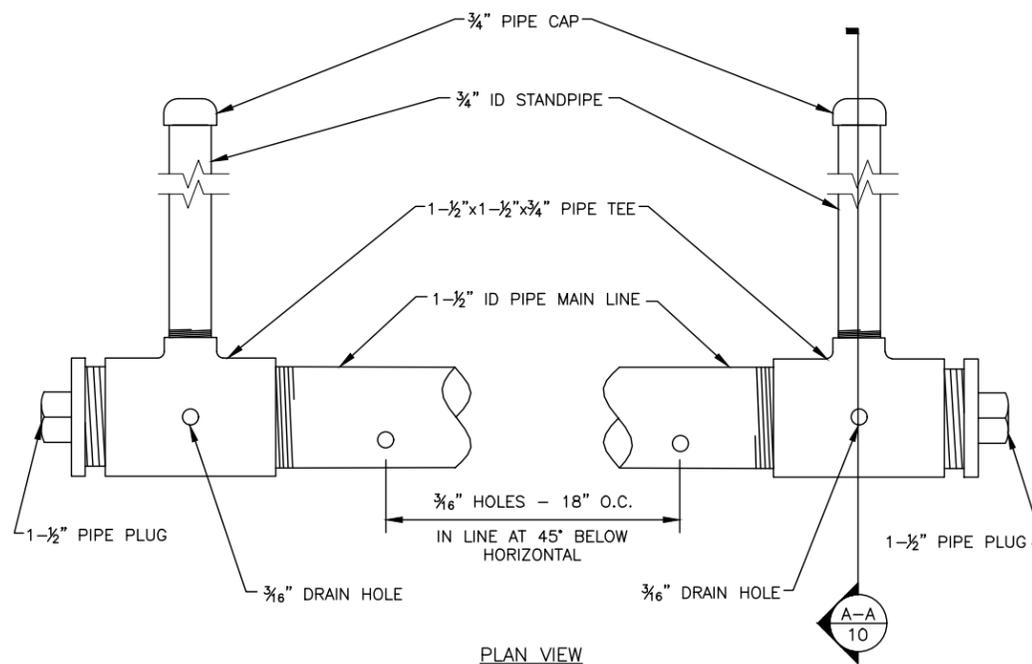
1
10 CULVERT THAW PIPE DETAIL
 SCALE: NTS

NOTES:

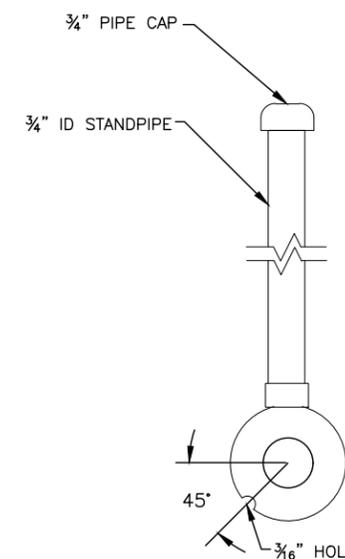
- HEIGHT OF ALL STANDPIPES TO BE $\frac{1}{2}$ THE HEIGHT OF CULVERT COVER (H) OR 5' WHICHEVER IS LESS.



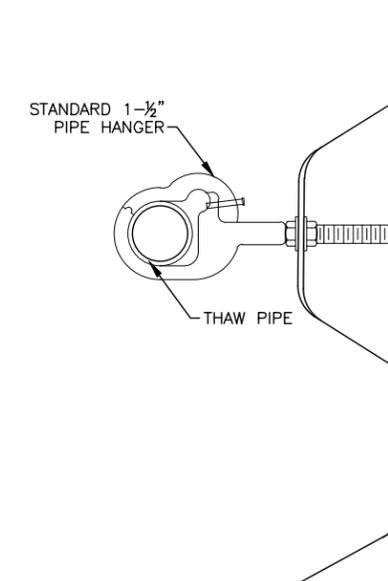
2
10 END SECTION VIEW
 SCALE: NTS



3
10 STANDARD SINGLE THAW PIPE DETAIL
 SCALE: NTS



SECTION A-A



4
10 THAW PIPE HANGER DETAIL
 SCALE: NTS



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ELECTRICAL LEGEND

ABBREVIATIONS

DEMOLITION NOTES:

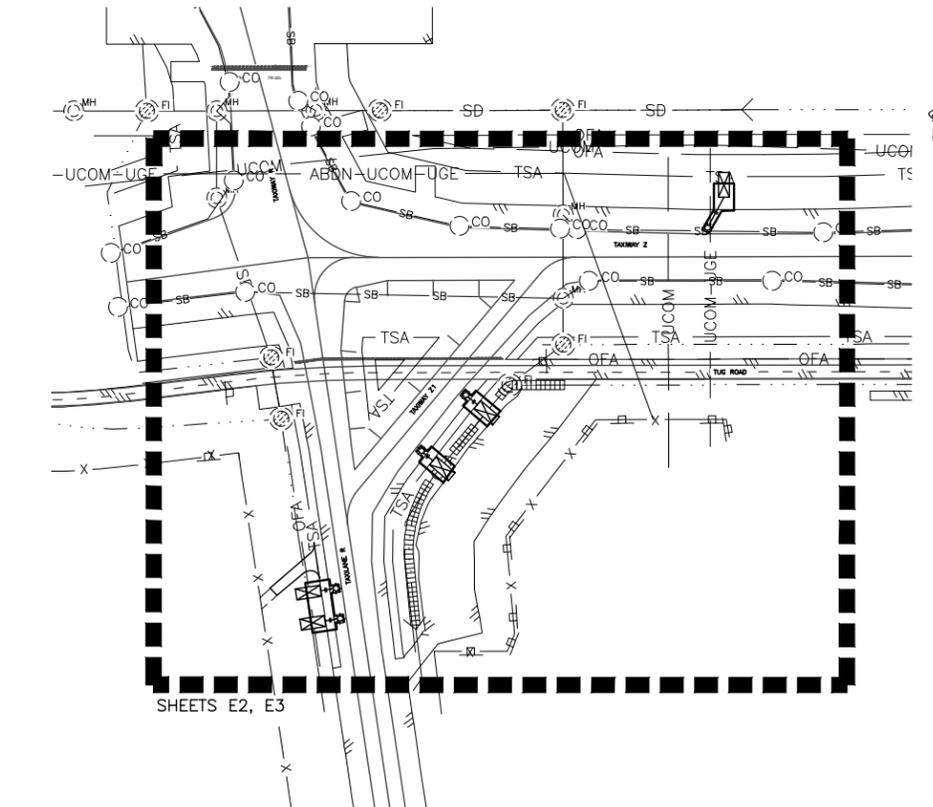
DESCRIPTION **EXISTING** **PROPOSED**

FLUSH CENTERLINE LIGHT, BI-DIRECTIONAL, SUBSCRIPT: P = PRIMARY CKT (RVR>1200); S = SECONDARY CKT (LO-VIS)		
TAXIWAY EDGE LIGHT		
TAXIWAY HOLD EDGE LIGHT		
FLUSH STOP BAR/RUNWAY GUARD LIGHT, UNI-DIRECTIONAL OR FLUSH TOUCHDOWN ZONE LIGHT, UNI-DIRECTIONAL		
ELECTRICAL HANDHOLE		
SERIES LIGHTING CIRCUIT, TICK MARKS INDICATE NUMBER OF 5KV CONDUCTORS IN DIRECT BURY HDPE (UON) CONDUIT. INCLUDE GROUND CONDUCTOR (NOT SHOWN). TICK NOT SHOWN ON SHORT SEGMENTS OR IN CONGESTED AREAS FOR CLARITY.	-----+-----	-----+-----
SERIES LIGHTING CIRCUIT, TICK MARKS INDICATE NUMBER OF 5KV CONDUCTORS IN HDPE CONCRETE ENCASED CONDUIT. INCLUDE GROUND CONDUCTOR (NOT SHOWN). TICK NOT SHOWN ON SHORT SEGMENTS OR IN CONGESTED AREAS FOR CLARITY.	----- -----	
ELECTRICAL LINE (UNDERGROUND)	----- UGE -----	
COMMUNICATION MANHOLE		
COMMUNICATION PEDESTAL		
ELECTRICAL LOAD CENTER		
ELECTRICAL MANHOLE		
ELECTRICAL TRANSFORMER		
JUNCTION BOX TYPE 1A		
JUNCTION BOX TYPE 2		
JUNCTION BOX TYPE 3		
JUNCTION BOX TYPE 4		
LIGHT POLE		
SWITCH CABINET		
DRY WELL		
ILLUMINATED AIRPORT SIGN		
GROUND ROD		
DUCTBANK		

AFM	AIRFIELD MAINTENANCE	MIN	MINIMUM
BC	BARE COPPER	MH	MANHOLE
C	CONDUIT	NEC	NATIONAL ELECTRIC CODE, NFPA 70
CCR	CONSTANT CURRENT REGULATOR	RMC	RIGID METALLIC CONDUIT (GALVANIZED STEEL)
CL	CENTERLINE	TL	TAXILANE
DIA	DIAMETER	TP	TEST POINT
(E)	EXISTING	TW	TAXIWAY
EMH	ELECTRIC MANHOLE	TYP	TYPICAL
ETR	EXISTING TO REMAIN	T-1(2)	TAXIWAY CIRCUIT NUMBER, LETTERS IN PARENTHESIS INDICATE CONDUCTORS INCLUDED (P=POWER FEED, R=RETURN, L=LOOP), NO PARENTHESIS INDICATE ONE POWER FEED CONDUCTOR ONLY
HDPE	HIGH DENSITY POLYETHYLENE	W	WATTS
HH	HANDHOLE		
KVA	KILO VOLT-AMP		
KW	KILO-WATT		
LTS	LIGHTS		
MAX	MAXIMUM		

GENERAL NOTES – APPLICABLE TO ALL E SHEETS:

- UNDERGROUND UTILITIES AND FACILITIES SHOWN ON PLANS ARE BASED ON RECORD DRAWING INFORMATION AND SHOWN IN GENERAL LOCATIONS ONLY. OTHER FACILITIES MAY EXIST THROUGHOUT THE PROJECT AREA. DEPTHS OF MOST ARE UNKNOWN. LOCATE ALL UNDERGROUND FACILITIES IN THE WORK AREA PRIOR TO BEGINNING WORK.
- OUTAGES: COORDINATE ALL LIGHTING OUTAGES REQUIRED BY DISCONNECTIONS, CIRCUIT CHANGES, OR OTHER WORK WITH THE PROJECT ENGINEER AND IN ACCORDANCE WITH SECTIONS GCP-50 AND GCP-80. SCHEDULE WORK TO MINIMIZE NUMBER AND DURATION OF OUTAGES. PROVIDE 48 HOUR NOTICE FOR REQUIRED LOCKOUTS TO ALLOW AFM TO SCHEDULE AVAILABLE PERSONNEL.
- SEE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) SHEETS FOR PHASE LIMITS, ESTIMATED DURATIONS, AND TEMPORARY LIGHTING PROVISIONS.
- PRIMARY AIRFIELD LIGHTING CONDUCTORS SHALL BE FAA L-824 TYPE C 5KV CABLE, #6 AWG FOR RUNWAY CIRCUITS AND #8 AWG FOR TAXIWAY CIRCUITS. INSTALL A #6 BARE COPPER GROUND CONDUCTOR WITH ALL LIGHTING CIRCUIT CONDUCTORS. CONDUCTOR INSULATION SHALL BE COLOR-CODED BASED ON FUNCTION IN ACCORDANCE WITH SECTION L-108, AS SHOWN IN TYPICAL CIRCUITING DETAILS, AND AS FOLLOWS:
 - CENTERLINE LIGHTING:
 - PRIMARY (NML-VIS): POWER FEED = BLACK, RETURN/LOOP = RED
 - SECONDARY (LOW-VIS): POWER FEED = BLUE, RETURN/LOOP = YELLOW
 - EDGE LIGHTING:
 - POWER FEED = BLACK, RETURN/LOOP = RED
- CABLES INDICATED TO BE ADDED, REMOVED, OR REPLACED SHALL NOT BE PULLED OVER ETR CONDUCTORS IN THE SAME DUCT. NOTIFY PROJECT ENGINEER WHERE NEW WORK CONFLICTS WITH ETR CABLES IN COMMON DUCTS.
- WHERE CONDUCTORS MUST BE ADDED TO EXISTING CIRCUITS IN THE SAME DUCT, REMOVE EXISTING AND REPLACE WITH NEW CONDUCTORS, EXCEPT WITH PROJECT ENGINEER APPROVAL EXISTING CONDUCTORS MAY BE RE-USED AND RE-PULLED IN SHORT CONDUIT RUNS NOT EXCEEDING 10 FT. IF TEMPORARY JUMPERS ARE PERMITTED TO REMAIN IN DUCTS AFTER USE, THEY SHALL BE ISOLATED, CAPPED WATER-TIGHT, AND IDENTIFIED AS ABANDONED SPARES WITH RED CABLE MARKERS AT ACCESSIBLE POINTS.
- TEST POINTS: PROVIDE A TEST POINT (TP) AT EVERY 10TH LIGHT CAN WITHIN PROJECT LIMITS, AS SHOWN ON PLANS, AS INDICATED ON CONDUCTOR DIAGRAM DETAILS, OR AS DIRECTED BY THE ENGINEER. IDENTIFY TEST POINT LOCATIONS AT CENTERLINE BASE CANS AS FOLLOWS:
 - ENGRAVE TEST POINT IN EPOXY SEAL. LETTERS SHALL BE 1 INCH HIGH AND ENGRAVED 1/8" DEEP USING A DRILL BIT, DREMEL, OR SIMILAR METHOD.
 - LABEL SHALL READ: "TX#" OR "TX##", WHERE "#" IS THE TAXIWAY OR RUNWAY CIRCUIT # WITH TEST POINT AT THAT LOCATION.
 - REMOVE OLD TEST POINT LABELS WITH A GRINDER OR SIMILAR METHOD APPROVED BY THE ENGINEER.
- WHERE NEW OR EXISTING LIGHT BASES ARE DRILLED TO ADD CONDUIT ENTRIES, APPLY COLD GALVANIZING OR EQUIVALENT CORROSION PROTECTION TO BARE METAL AFTER DRILLING, BEFORE INSTALLING THE RUBBER GROMMET.
- IN THE EVENT DELIVERY OF NEW LIGHTING FIXTURES IS DELAYED, PROVIDE TEMPORARY RE-INSTALLATION OF EXISTING FIXTURES AND DEFERRED INSTALLATION OF NEW FIXTURES AT NO ADDITIONAL COST TO THE OWNER. IF REQUIRED TO MAINTAIN THE CONSTRUCTION SCHEDULE, REINSTALL EXISTING FIXTURES IN NEW WORK TO MAINTAIN COMPLETE AND OPERABLE LIGHTING SEGMENTS, THEN COORDINATE SCHEDULE ACCEPTABLE TO OWNER TO INSTALL NEW FIXTURES AT A LATER DATE. EACH LINEAR OR CURVED LIGHTING SEGMENT SHALL CONSIST OF A SINGLE FIXTURE TYPE, AND MAY NOT BE COMPRISED FOR ANY EXTENDED PERIOD OF TIME (BEYOND PHASED CONSTRUCTION PERIOD) OF BOTH LED AND INCANDESCENT TYPES.



1
E1

ELECTRICAL KEY PLAN



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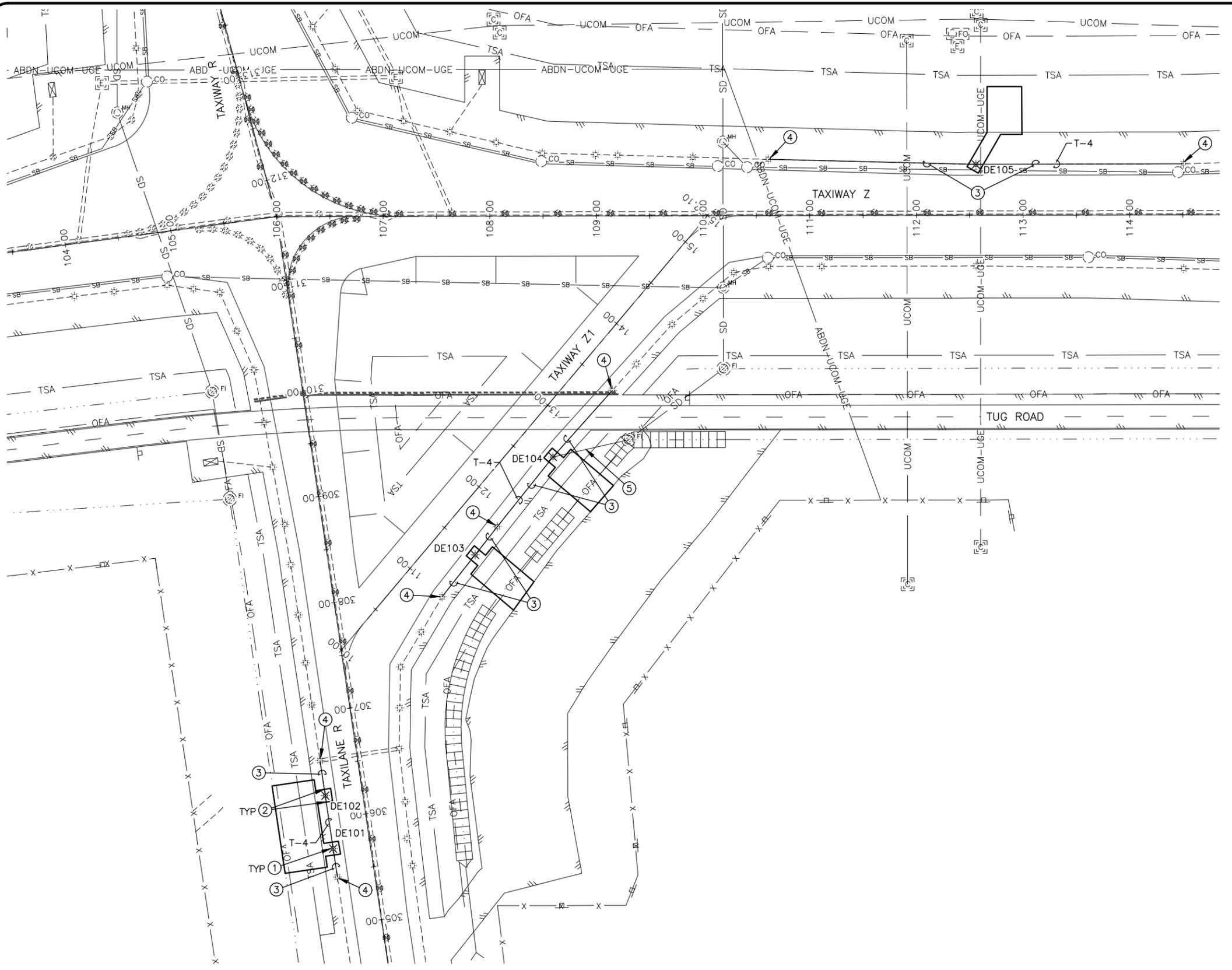
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 E1 of E6

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 File Path and Name: L:\JobsData\30209.24 ANC Taxilane Z1 Sign Installation\00 CAD\01 Working Set\03 Electrical\01388-ANC-Electrical Demolition Plan.dwg



GENERAL NOTES:

1. SEE SHEET E1 FOR GENERAL DEMOLITION AND ELECTRICAL NOTES.

SHEET NOTES:

- ① AREA WITHIN PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
 - REMOVE ALL EDGE LIGHT FIXTURES, TRANSFORMERS, AND CONDUCTORS.
 - UNLESS OTHERWISE NOTED, REMOVE LIGHT BASES AND CONDUIT.
- ② REMOVE CONDUIT TO EXTENT REQUIRED BY PROJECT EXCAVATION. CAP AND MARK EXPOSED CONDUIT STUB AS INDICATED FOR RECONNECT IN NEW WORK.
- ③ REMOVE CONDUCTORS BACK TO NEAREST EXISTING LIGHT OR LIGHT BASE TO REMAIN.
- ④ EDGE LIGHT FIXTURE TO REMAIN. PROTECT FIXTURE FROM DAMAGE DURING ADJACENT EXCAVATION, MILLING, PAVING, AND STRIPING OPERATIONS AS APPLICABLE.
- ⑤ DISCONNECT EXISTING DRAIN CONDUIT, TO BE RE-CONNECTED DURING NEW LIGHT BASE INSTALLATION.

DEMO TAXIWAY EDGE LIGHT SCHEDULE

FIXT NO.	TW	STATION	OFFSET
DE101	TW R	305+72.41	34.9'
DE102	TW R	306+22.44	34.9'
DE103	TL Z1	11+49.12	38.4'
DE104	TL Z1	12+66.11	35.0'
DE105	TW Z	112+56.00	47.5'

1
E2

ELECTRICAL DEMOLITION PLAN



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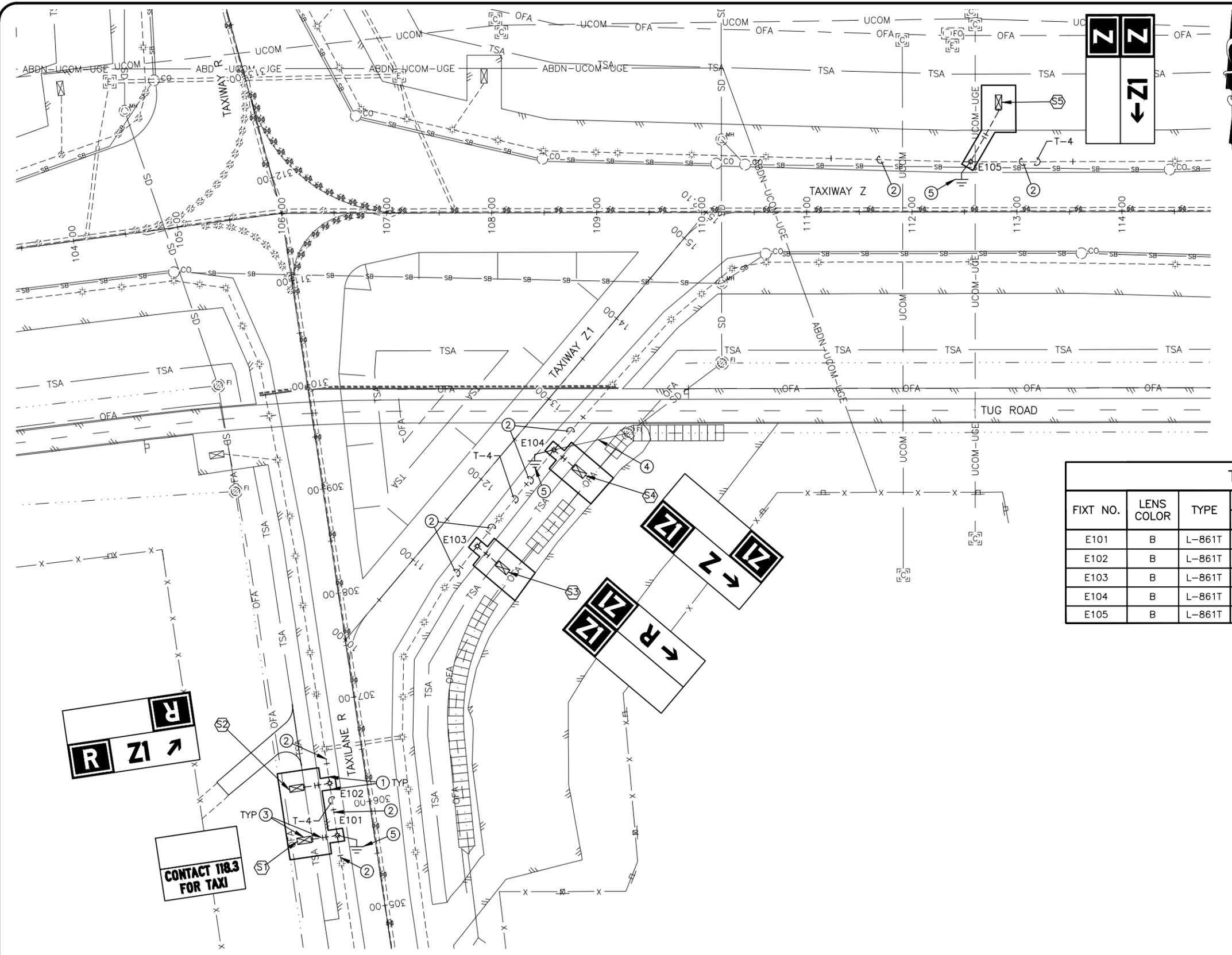
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 E2 of E6

Date Revised: 1/16/2026 10:35 AM
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GENERAL NOTES:

- SEE SHEET E5 FOR GENERAL DEMOLITION AND ELECTRICAL NOTES.
- SEE SHEET E5 FOR LIGHTED SIGN SCHEDULE.

SHEET NOTES:

- CONNECT NEW CONDUIT TO EXISTING CONDUIT OR LIGHT BASE. EXTEND NEW CONDUCTORS WITH CONNECTIONS TO NEAREST EXISTING LIGHT BASE WIRING AND TRANSFORMER(S). PROVIDE MANUFACTURED SWEEP FITTING FOR BENDS OVER 10 DEGREES, CONNECTIONS SHALL BE SUBSIDIARY TO L108 AND L110 ITEMS.
- REPLACE CIRCUIT CONDUCTOR BACK TO NEAREST EXISTING LIGHT BASE.
- PROVIDE NEW LIGHTED SIGN WITH CONCRETE BASE PER SHEET E5 DETAILS, WITH 100VA ISOLATION TRANSFORMER AND 600V SECONDARY CONDUCTORS.
- RE-CONNECT EXISTING CONDUIT DRAIN BETWEEN BETWEEN LIGHT BASE AND DRAINAGE STRUCTURE.
- PROVIDE GROUND ROD WITH EXOTHERMIC CONNECTION BONDED TO EGC AT INDICATED LIGHT BASE LOCATIONS.

TAXIWAY EDGE LIGHT SCHEDULE									
FIXT NO.	LENS COLOR	TYPE	WATTAGE		CKT	TW	STATION	OFFSET	NOTES
			LAMP	XFMR					
E101	B	L-861T	30	30/45	T-4	TW R	305+72.41	34.9'	GROUND ROD
E102	B	L-861T	30	30/45	T-4	TW R	306+22.44	34.9'	
E103	B	L-861T	30	30/45	T-4	TL Z1	11+49.12	38.4'	
E104	B	L-861T	30	30/45	T-4	TL Z1	12+66.11	35.0'	GROUND ROD
E105	B	L-861T	30	30/45	T-4	TW Z	112+56.00	47.5'	GROUND ROD

1
E3

ELECTRICAL PLAN



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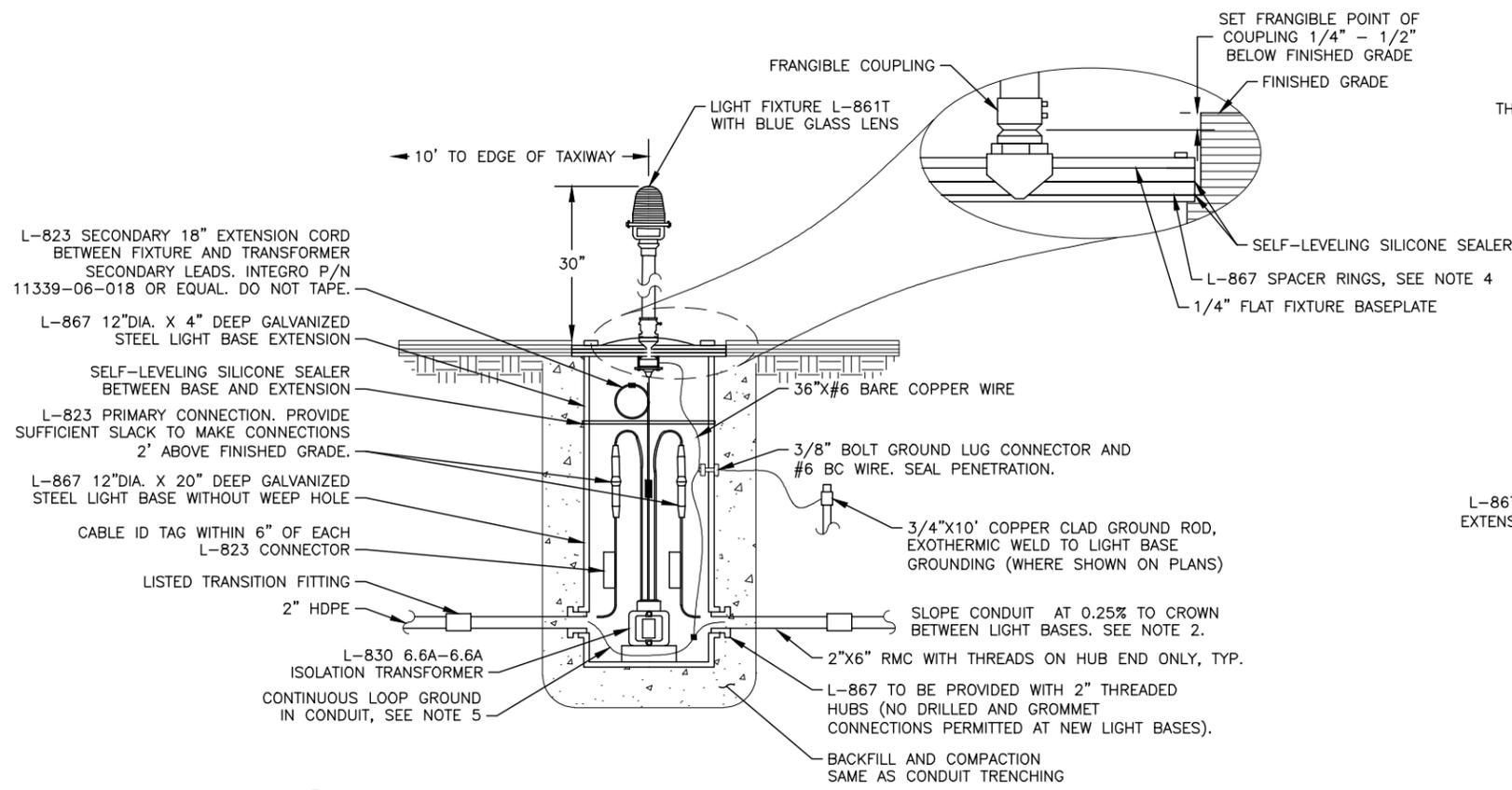
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 ANC TAXILANE Z1 SIGN INSTALLATION
 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
 ELECTRICAL PLAN

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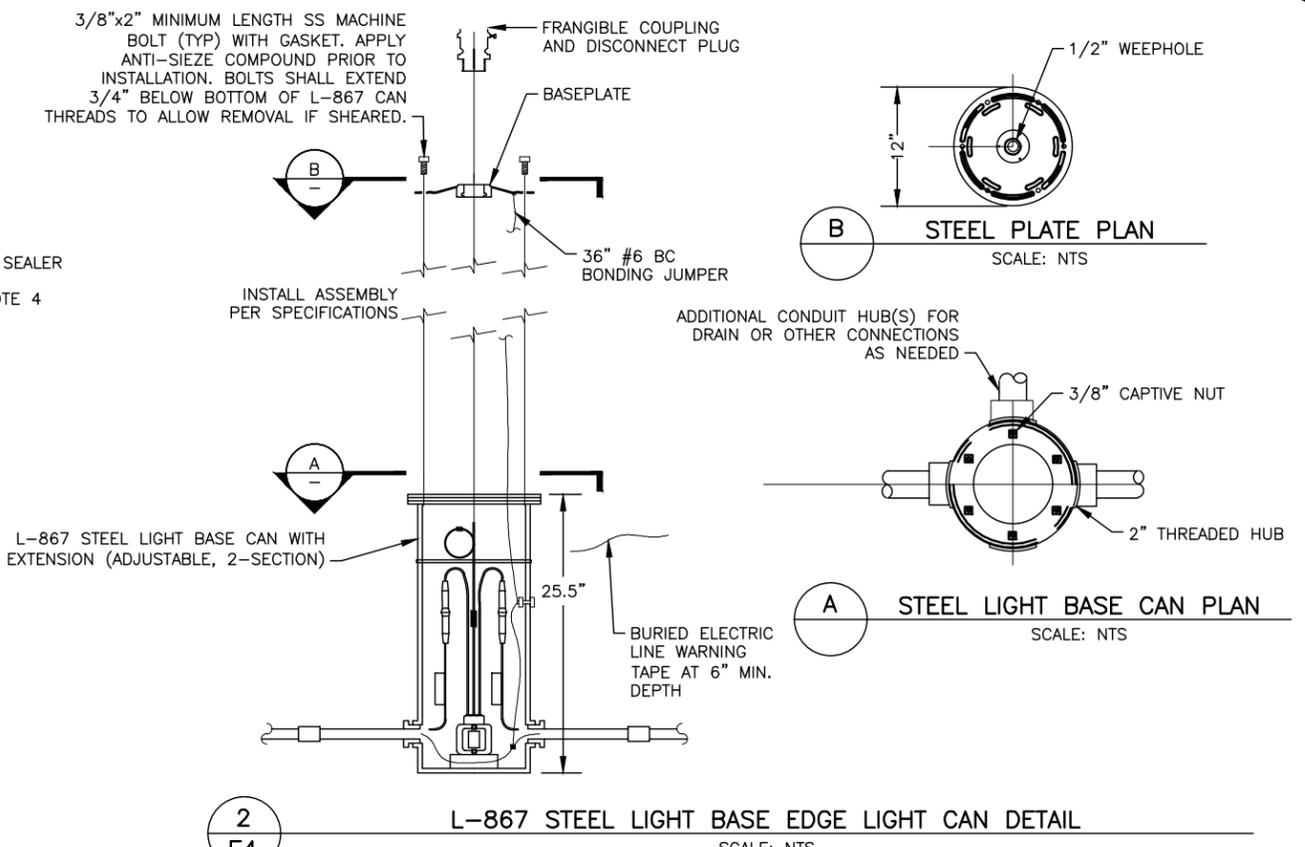
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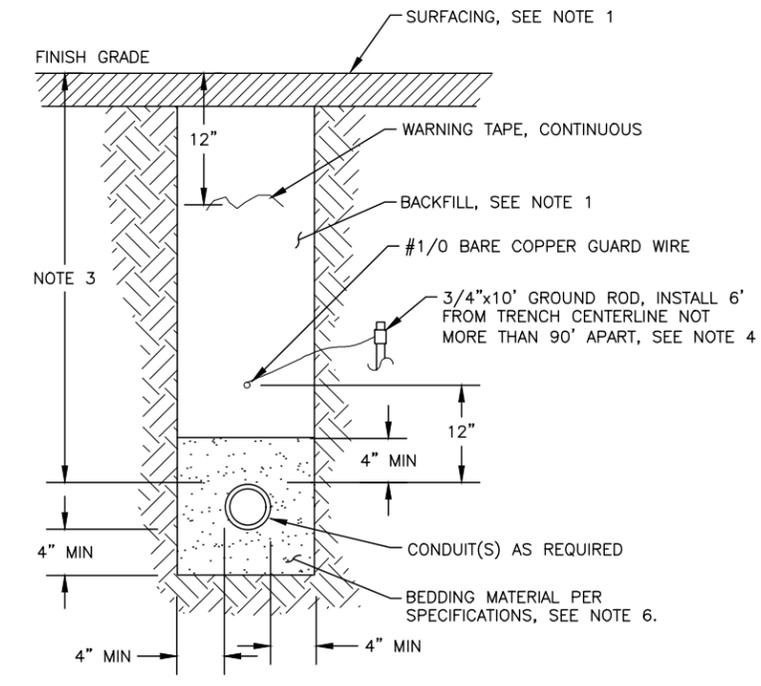
1
E4
ELEVATED TAXIWAY EDGE LIGHT
SCALE: NTS

DETAIL 1 NOTES:

1. PROVIDE SELF-LEVELING SILICONE SEALER, MOMENTIVE RTV118 OR APPROVED EQUAL, AT INTERFACE OF THE TOP SECTION AND BASE CAN ONLY. SEALER SHALL NOT BE INSTALLED BETWEEN TOP FLANGE OF TOP SECTION, SPACER RINGS, AND FLANGE RING.
2. CONDUIT SHALL GENERALLY MATCH GRADING OF THE RUNWAY OR TAXIWAY SURFACE EXCEPT PROVIDE MINIMUM 0.25% SLOPE TO CROWN BETWEEN BASES FOR DRAINAGE, AND SLOPED TO LOW POINT DRAINS WHERE SHOWN ON PLANS. WHERE 0.25% CONDUIT DRAIN SLOPE CANNOT BE MAINTAINED IN ONE DIRECTION DUE TO SLOPE OF GRADE, LAY CONDUIT FLAT WITHOUT CROWN.
3. PROVIDE ADDITIONAL HUB(S) FOR DRAINS OR OTHER CONNECTIONS WHERE SHOWN ON PLANS.
4. COMPLETED INSTALLATION OF ELEVATED EDGE LIGHTS WITH REPLACED LIGHT BASES SHALL INCLUDE A MINIMUM OF TWO 1/2" SPACER RINGS BELOW BASEPLATE. THICKER SPACER RINGS MAY BE REQUIRED. ADDITIONAL TEMPORARY SPACER RINGS REQUIRED DURING SET UP FOR PAVING ARE THE CONTRACTOR'S RESPONSIBILITY AND NO ADDITIONAL PAYMENT SHALL BE MADE.
5. GROUND WIRE SHALL BE CONTINUOUS THROUGH EACH LIGHT BASE AND NOT RELY ON LIGHT BASE GROUND LUG FOR CONTINUITY. USE IRREVERSIBLE COMPRESSION CONNECTOR FOR GROUND WIRE SPLICES.



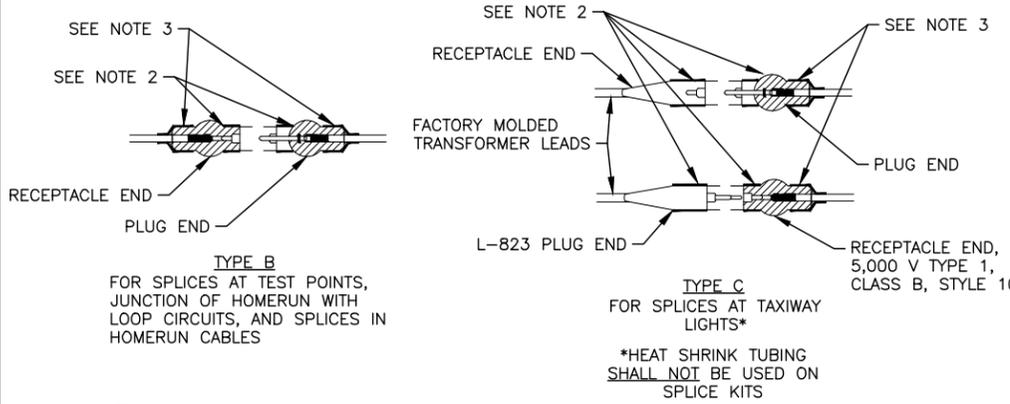
2
E4
L-867 STEEL LIGHT BASE EDGE LIGHT CAN DETAIL
SCALE: NTS



4
E4
TYPICAL CONDUIT TRENCH DETAIL
SCALE: NTS

DETAIL 3 NOTES:

1. CABLE SHALL MEET SPECIFICATION L-824. INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE. CONNECTOR SHALL BE SUPPLIED TO MATCH CABLE PER MANUFACTURER'S INSTRUCTIONS.
2. PULL FACTORY-MOLDED SEALING FLAP ACROSS CONNECTOR MATING POINT. WRAP WITH A MINIMUM OF ONE LAYER RUBBER TAPE AND ONE LAYER PLASTIC TAPE, EACH LAYER ONE-HALF LAPPED, EXTENDING AT LEAST 1.5" ON EACH SIDE OF JOINT.
3. 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. NO TAPE ON SECONDARY CONNECTORS.
4. L-823 CONNECTOR SHALL HAVE TAPERED STRAIN RELIEF AT CABLE ENTRY.



3
E4
L-823 PRIMARY CABLE CONNECTOR DETAIL
SCALE: NTS

CONDUIT TRENCH NOTES:

1. IN AREAS OF NEW CONSTRUCTION, SEE CIVIL TYPICAL SECTIONS FOR SURFACING AND BACKFILL. IN EXISTING AREAS, MATCH EXISTING SURFACING AND BACKFILL WITH EXISTING MATERIALS REMOVED FROM TRENCH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. SEPARATION BETWEEN CONDUITS SHALL BE AS FOLLOWS:
 -CONDUIT OF SAME TYPE (POWER OR SIGNAL) - 2"
 -AIRPORT LIGHTING AND FAA CONDUITS - 12" MIN
 -PRIMARY POWER AND ANY OTHER CONDUIT - 18" MIN
 -TELECOM SERVICE AND ANY OTHER CONDUIT - 18" MIN
 -FAA NAVAID CONDUITS, POWER AND CONTROL - 6" MIN
3. MINIMUM BURIAL DEPTH SHALL BE AS FOLLOWS:
 -AIRPORT LIGHTING CONDUITS - 18"
 -FAA AND COMMUNICATIONS CONDUITS - 36"
 -FAA CONDUITS WHERE UNDER TRAFFIC AREAS - 48"
4. PROVIDE GUARD WIRE AND ASSOCIATED GROUND RODS ONLY FOR THE FOLLOWING CONDUITS: FAA LIGHTING, NAVIGATION SYSTEM, PAPI CONDUITS, RVR CONDUITS.
5. UNDERGROUND WARNING TAPE SHALL BE 6" WIDE AND DETECTABLE FOR CONDUITS LISTED IN NOTE 4.
6. WHERE CONCRETE ENCASEMENT REQUIRED IN TRAVELED WAY, PROVIDE 3" MIN CONCRETE ENVELOPE AROUND CONDUIT.

ELECTRICAL TRENCH DEMOLITION NOTES:

1. TRENCH DEPTH SHALL BE APPROXIMATELY 30" DEEP FROM TOP OF EXISTING GROUND OR AS REQUIRED FOR REMOVAL OF EXISTING LIGHT BASES, CONDUIT, AND CONCRETE.
2. SEE ELECTRICAL DEMOLITION PLANS FOR ELECTRICAL DEMOLITION TRENCH LIMITS.
3. SEE CIVIL FOR SURFACING.



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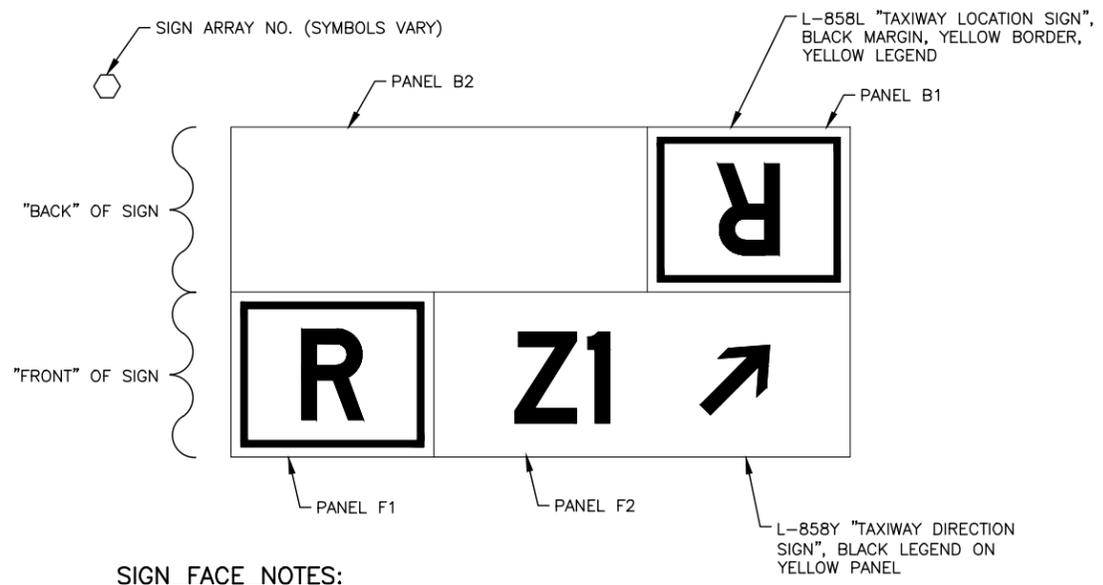
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 PROJECT No. CFAPT01388
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SIGN FACE NOTES:

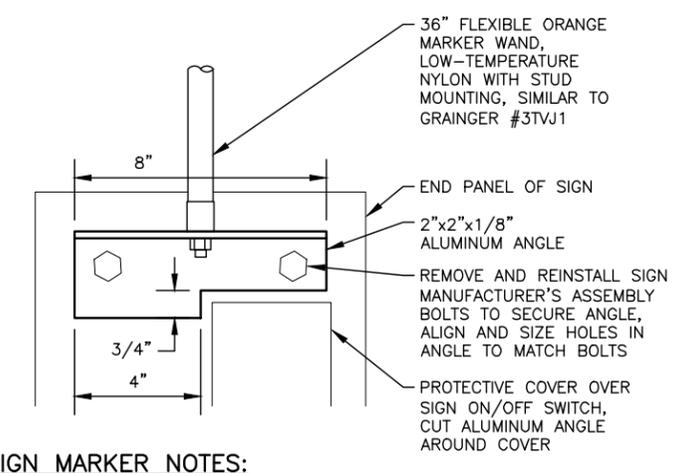
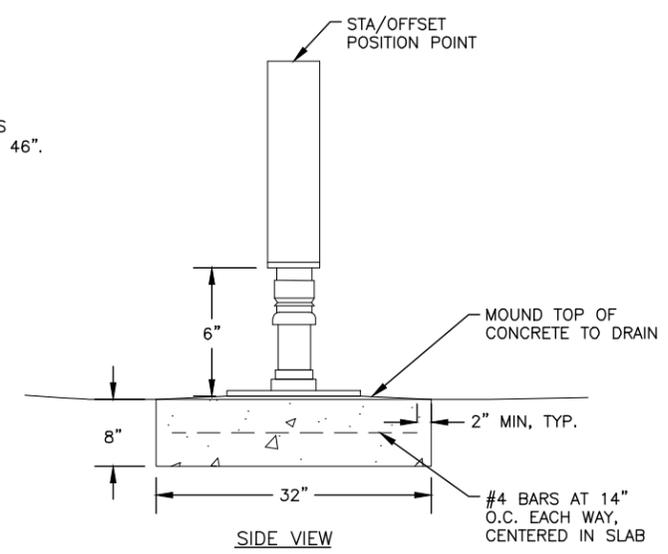
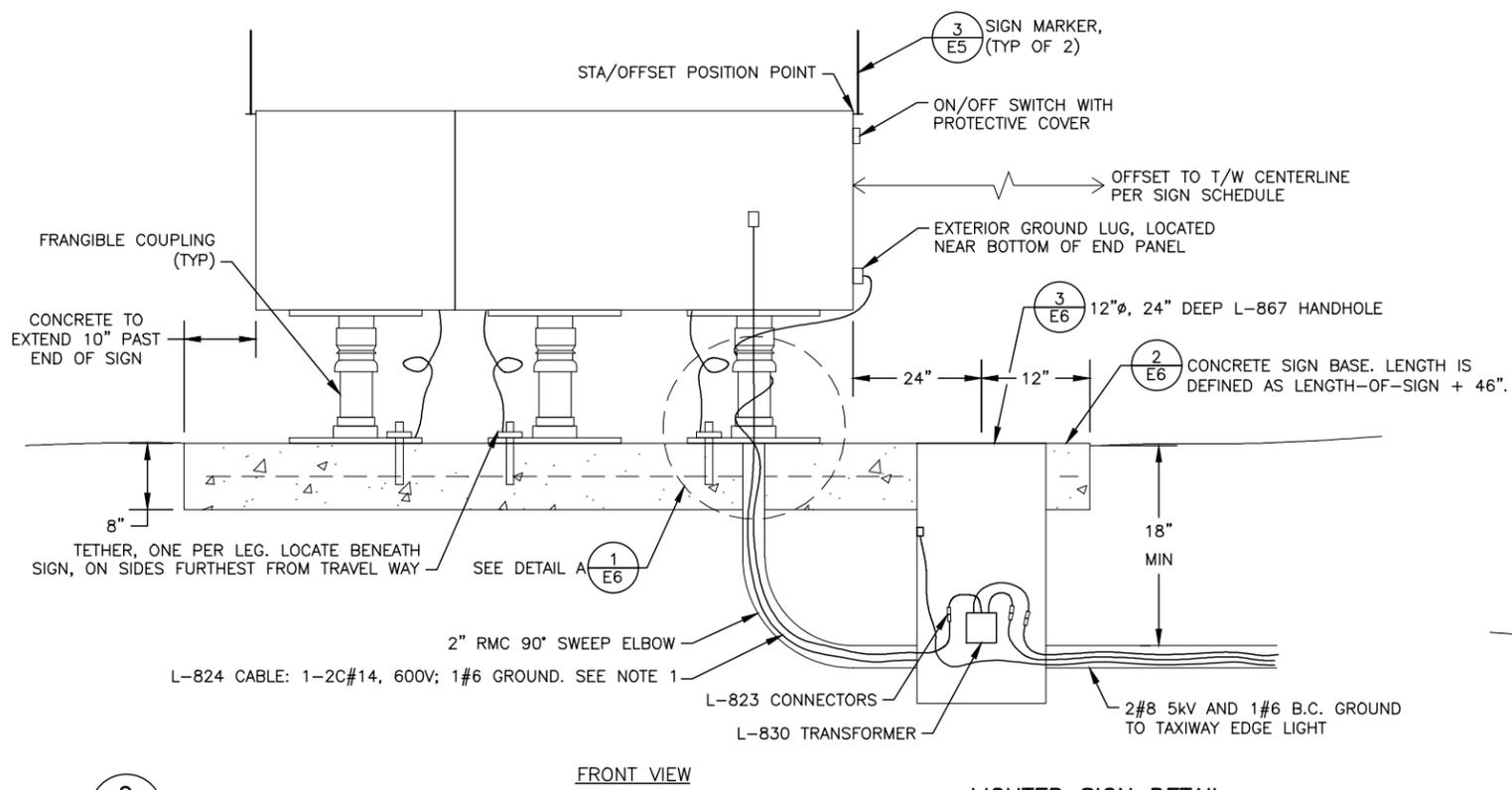
1. NUMBER OF PANELS AND PANEL WIDTHS VARY WITH LEGEND, SEE SIGN SCHEDULE FOR DETAILS.
2. THIS IS AN EXAMPLE SIGN ONLY, AND MAY NOT INDICATE TAXIWAYS AT THIS PROJECT LOCATION. SEE ELECTRICAL PLAN SHEETS AND SIGN SCHEDULE

LIGHTED SIGN SCHEDULE														
ID	SIDE	PANEL	LEGEND	TYPE	LEGEND COLOR	FACE COLOR	ALIGNMENT	STATION*	OFFSET*	SIZE	STYLE	CLASS	MODE	REMARKS
S1	FRONT	F1	CONTACT 118.3 FOR TAXI	L-858Y**	BLACK	YELLOW	TL R	305+72.41	60.0 LT	3**	2	2	3	WEST FACING
	BACK	B1	BLANK	L-858L	BLACK	BLACK								EAST FACING
S2	FRONT	F1	R	L-858L	YELLOW	BLACK	TL R	306+22.44	60.0 LT	3	2	2	3	SOUTH FACING
	BACK	B1	R	L-858L	YELLOW	BLACK								NORTH FACING
		B2	BLANK	L-858L	BLACK	BLACK								
S3	FRONT	F1	← R	L-858Y	BLACK	YELLOW	TL Z1	11+49.12	63.4 RT	3	2	2	3	NORTHEAST FACING
	FRONT	F2	Z1 ↗	L-858Y	BLACK	YELLOW								SOUTHWEST FACING
	BACK	B1	Z1	L-858L	YELLOW	BLACK								
S4	FRONT	F1	Z1	L-858L	YELLOW	BLACK	TL Z1	12+66.11	60.0 RT	3	2	2	3	SOUTHWEST FACING
	FRONT	F2	Z →	L-858Y	BLACK	YELLOW								NORTHEAST FACING
	BACK	B1	Z1	L-858L	YELLOW	BLACK								
S5	FRONT	F1	← Z1	L-858Y	BLACK	YELLOW	TW Z	112+82.85	97.5 LT	3	2	2	3	EAST FACING
	FRONT	F2	Z	L-858L	YELLOW	BLACK								WEST FACING
	BACK	B1	Z	L-858L	YELLOW	BLACK								
BACK	B2	BLANK	L-858L	BLACK	BLACK									

* TAXIWAY SIGN STATIONING AND OFFSET IS BASED OFF THE LEADING EDGE OF SIGN, MEASURED AT THE MIDPOINT OF EDGE PERPENDICULAR TO TAXIWAY CENTERLINE, SEE DETAIL 2 THIS SHEET.

** SIGN S1 IS A LIGHTED INFORMATIONAL SIGN WITH A BLACK LEGEND, YELLOW BACKGROUND & CHARACTER HEIGHT OF 9-INCHES. SIGN SHALL MEET THE REQUIREMENTS OF AC 150/5340-18H.

1 SIGN FACE & LEGEND DETAIL
SCALE: NTS



SIGN MARKER NOTES:

1. PROVIDE TWO SIGN MARKERS PER SIGN. SIGN MARKERS ARE SUBSIDIARY TO THE ASSOCIATED SIGN AND NO SEPARATE PAYMENT SHALL BE MADE.

3 SIGN MARKER DETAIL
SCALE: NTS

2 LIGHTED SIGN DETAIL
SCALE: NTS

LIGHTED SIGN NOTES:

1. PROVIDE SUFFICIENT L-824 CABLE LENGTH WITH SLACK AT HANDHOLE AND SIGN AS SPECIFIED BY RESPECTIVE DETAILS.



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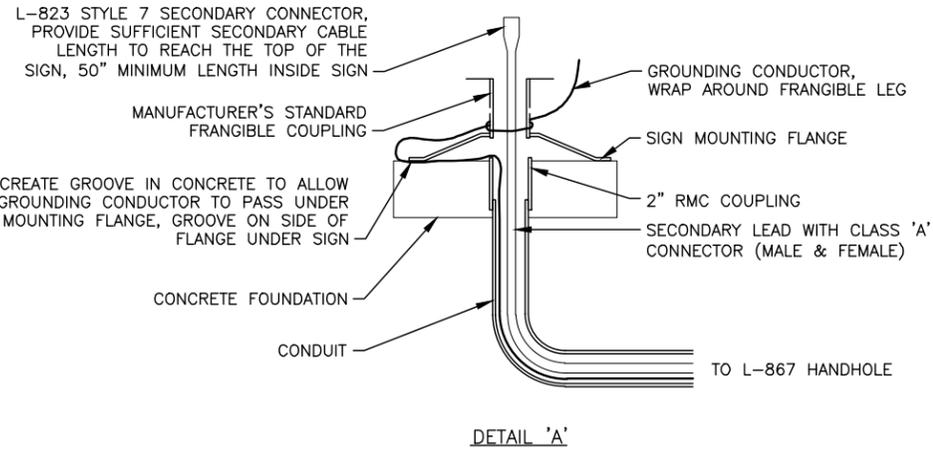
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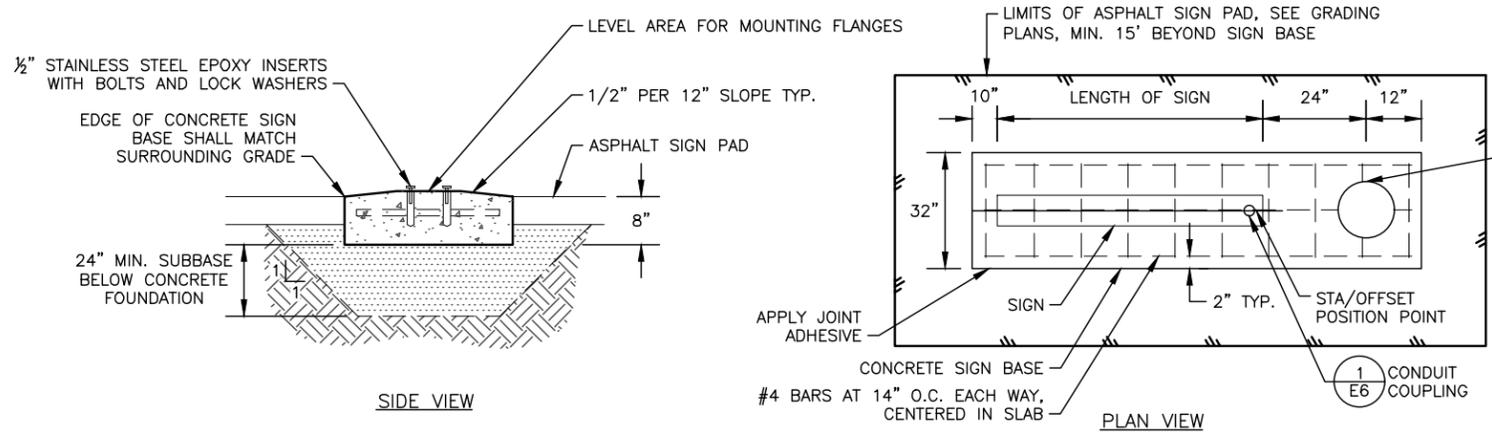
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 ANC TAXILANE Z1 SIGN INSTALLATION
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 E5 of E6

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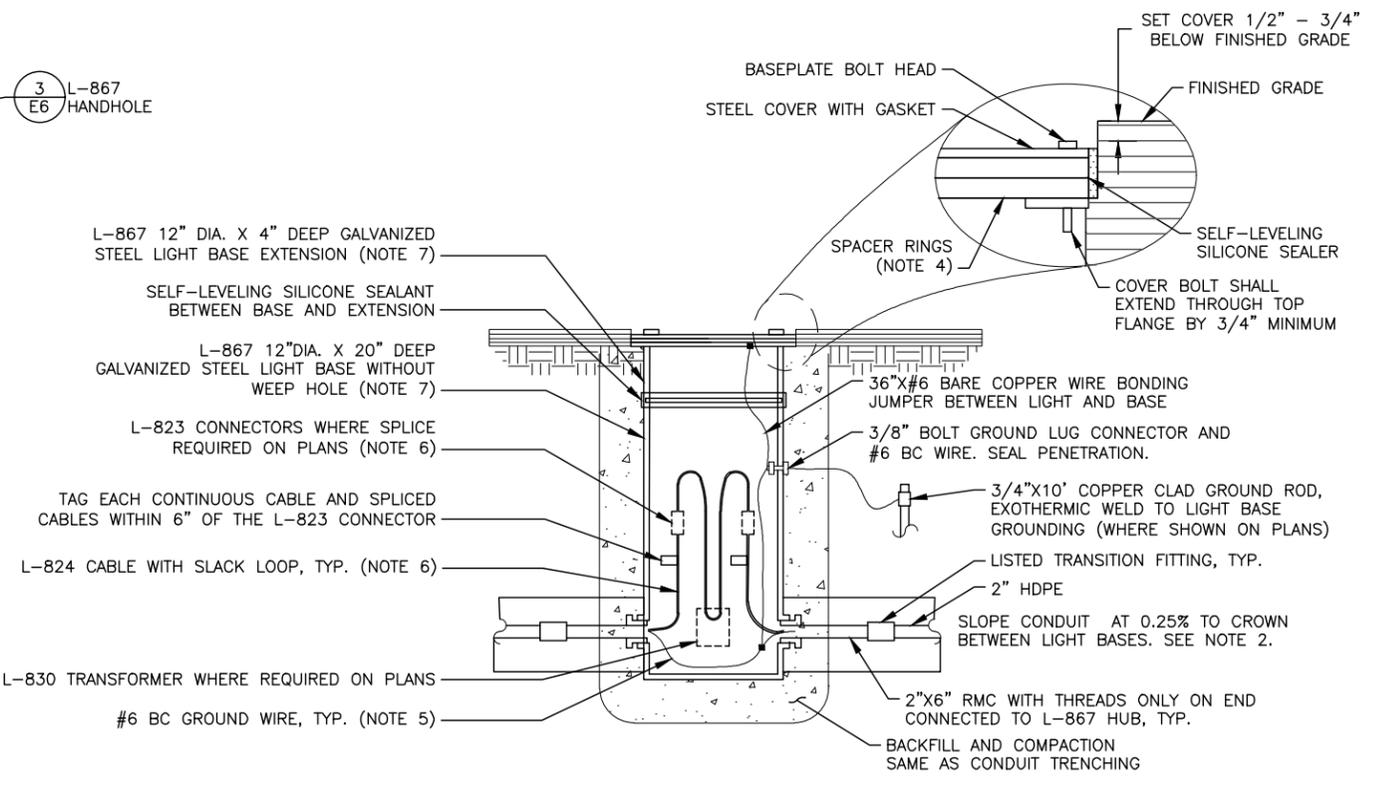
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E6 AIRPORT SIGN CONDUIT COUPLING DETAIL
SCALE: NTS



- SIGN FOUNDATION NOTES:**
- ATTACH SIGN TO CONCRETE BASE USING 1/2" 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 INSERT.
 - CONCRETE SHALL MEET THE REQUIREMENTS OF SECTION P-610. ALL CONCRETE SHALL BE SEALED IN ACCORDANCE WITH REQUIREMENTS OF SECTION P-610.
 - SET SIGN BASE ELEVATION AT SHOULDER PAVEMENT ELEVATION AT END CLOSEST TO TAXIWAY EDGE. SIGN BASE SHALL BE LEVEL ADJUST ASPHALT SIGN PAD PAVEMENT TO MEET EDGE OF OTHER SIDES OF FOUNDATION.
 - COMPACT SUBBASE UNDER THE FOUNDATION AS REQUIRED BY P-154.

2
E6 CONCRETE SIGN FOUNDATION DETAILS
SCALE: NTS

- DETAIL 3 NOTES:**
- PROVIDE SELF-LEVELING SILICONE SEALER, MOMENTIVE RTV118 OR APPROVED EQUAL, AT INTERFACE OF THE TOP SECTION AND BASE CAN ONLY. SEALER SHALL NOT BE INSTALLED BETWEEN TOP FLANGE OF TOP SECTION, SPACER RINGS, AND FLANGE RING.
 - CONDUIT SHALL GENERALLY MATCH GRADING OF THE RUNWAY OR TAXIWAY SURFACE EXCEPT PROVIDE MINIMUM 0.25% SLOPE TO CROWN BETWEEN BASES FOR DRAINAGE, AND SLOPED TO LOW POINT DRAINS WHERE SHOWN ON PLANS. WHERE 0.25% CONDUIT DRAIN SLOPE CANNOT BE MAINTAINED IN ONE DIRECTION DUE TO SLOPE OF GRADE, LAY CONDUIT FLAT WITHOUT CROWN.
 - PROVIDE ADDITIONAL HUB(S) FOR DRAINS OR OTHER CONNECTIONS WHERE SHOWN ON PLANS.
 - COMPLETED INSTALLATION SHALL INCLUDE A MINIMUM OF TWO 1/2" SPACER RINGS BELOW BASEPLATE. THICKER SPACER RINGS MAY BE REQUIRED. ADDITIONAL TEMPORARY SPACER RINGS REQUIRED DURING SET UP FOR PAVING ARE THE CONTRACTOR'S RESPONSIBILITY AND ARE SUBSIDIARY. TO PRESERVE BASE INTEGRITY AND PROPER BOLT TORQUE, A MAXIMUM OF THREE RINGS MAY BE STACKED TOGETHER.
 - GROUND WIRE SHALL BE CONTINUOUS THROUGH EACH LIGHT BASE AND NOT RELY ON LIGHT BASE GROUND LUG FOR CONTINUITY. USE IRREVERSIBLE COMPRESSION CONNECTOR FOR GROUND WIRE SPLICES.
 - LEAVE SUFFICIENT SLACK IN POWER FEED AND GROUND CONDUCTORS TO MAKE CONNECTIONS 2 FEET ABOVE GRADE. LEAVE SLACK IN THE UNSPLICED RETURN/LOOP CONDUCTORS OF THE SAME CIRCUIT TO REACH 2 FOOT ABOVE GRADE FROM CENTER OF SLACK CONDUCTOR.
 - WHERE THE TOP OF HANDHOLE IS CAST IN CONCRETE, SUCH AS IN LIGHTED SIGN FOUNDATIONS, PROVIDE A 1-PIECE 12" DIA X 24" DEEP L-867 BASE.



3
E6 L-867 HANDHOLE, SIZE B DETAIL
SCALE: NTS



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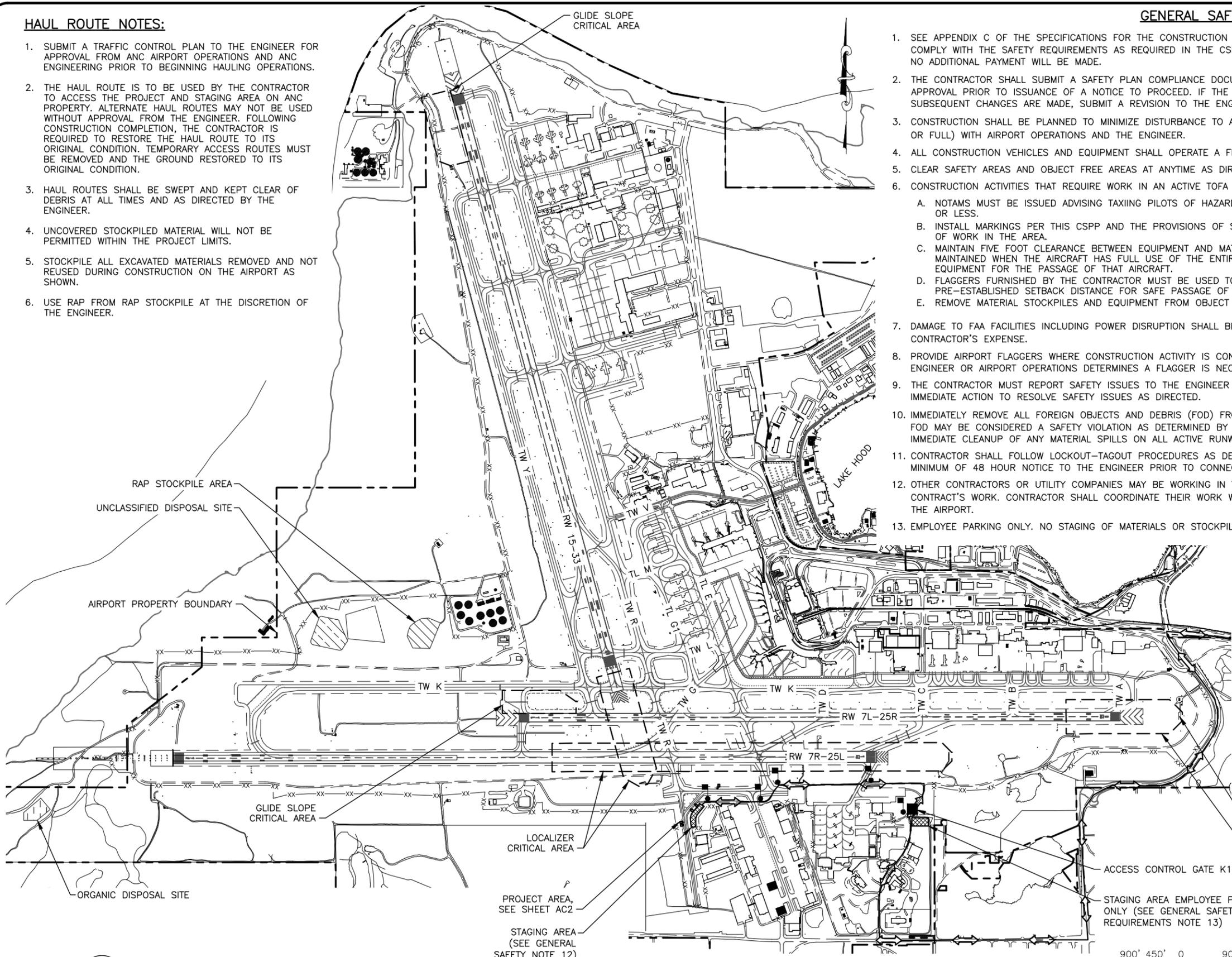
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HAUL ROUTE NOTES:

- SUBMIT A TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL FROM ANC AIRPORT OPERATIONS AND ANC ENGINEERING PRIOR TO BEGINNING HAULING OPERATIONS.
- THE HAUL ROUTE IS TO BE USED BY THE CONTRACTOR TO ACCESS THE PROJECT AND STAGING AREA ON ANC PROPERTY. ALTERNATE HAUL ROUTES MAY NOT BE USED WITHOUT APPROVAL FROM THE ENGINEER. FOLLOWING CONSTRUCTION COMPLETION, THE CONTRACTOR IS REQUIRED TO RESTORE THE HAUL ROUTE TO ITS ORIGINAL CONDITION. TEMPORARY ACCESS ROUTES MUST BE REMOVED AND THE GROUND RESTORED TO ITS ORIGINAL CONDITION.
- HAUL ROUTES SHALL BE SWEEPED AND KEPT CLEAR OF DEBRIS AT ALL TIMES AND AS DIRECTED BY THE ENGINEER.
- UNCOVERED STOCKPILED MATERIAL WILL NOT BE PERMITTED WITHIN THE PROJECT LIMITS.
- STOCKPILE ALL EXCAVATED MATERIALS REMOVED AND NOT REUSED DURING CONSTRUCTION ON THE AIRPORT AS SHOWN.
- USE RAP FROM RAP STOCKPILE AT THE DISCRETION OF THE ENGINEER.

GENERAL SAFETY REQUIREMENTS

- SEE APPENDIX C OF THE SPECIFICATIONS FOR THE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) REQUIREMENTS. THE CONTRACTOR SHALL COMPLY WITH THE SAFETY REQUIREMENTS AS REQUIRED IN THE CSPP. ALL SAFETY RELATED WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND NO ADDITIONAL PAYMENT WILL BE MADE.
- THE CONTRACTOR SHALL SUBMIT A SAFETY PLAN COMPLIANCE DOCUMENT PER FAA AC 150/5370-2G TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO ISSUANCE OF A NOTICE TO PROCEED. IF THE CONSTRUCTION PHASING PLAN DIFFERS FROM WHAT IS SHOWN OR IF SUBSEQUENT CHANGES ARE MADE, SUBMIT A REVISION TO THE ENGINEER FOR REVIEW AND APPROVAL.
- CONSTRUCTION SHALL BE PLANNED TO MINIMIZE DISTURBANCE TO AIRCRAFT OPERATIONS. COORDINATE RUNWAY AND TAXIWAY CLOSURES (PARTIAL OR FULL) WITH AIRPORT OPERATIONS AND THE ENGINEER.
- ALL CONSTRUCTION VEHICLES AND EQUIPMENT SHALL OPERATE A FLASHING AMBER BEACON WHEN WORKING ON THE AIRPORT.
- CLEAR SAFETY AREAS AND OBJECT FREE AREAS AT ANYTIME AS DIRECTED BY THE ENGINEER.
- CONSTRUCTION ACTIVITIES THAT REQUIRE WORK IN AN ACTIVE TOFA ARE SUBJECT TO THE FOLLOWING RESTRICTIONS:
 - NOTAMS MUST BE ISSUED ADVISING TAXIING PILOTS OF HAZARD AND RECOMMENDING REDUCED TAXIING SPEEDS ON THE TAXIWAY OF 10 MPH OR LESS.
 - INSTALL MARKINGS 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.
 - MAINTAIN FIVE FOOT CLEARANCE BETWEEN EQUIPMENT AND MATERIALS AND ANY PART OF AN AIRCRAFT. IF SUCH CLEARANCE CAN NOT BE MAINTAINED WHEN THE AIRCRAFT HAS FULL USE OF THE ENTIRE TAXIWAY WIDTH, THEN IT WILL BE NECESSARY TO MOVE PERSONNEL AND EQUIPMENT FOR THE PASSAGE OF THAT AIRCRAFT.
 - FLAGGERS FURNISHED BY THE CONTRACTOR MUST BE USED TO DIRECT AND CONTROL CONSTRUCTION EQUIPMENT AND PERSONNEL TO A PRE-ESTABLISHED SETBACK DISTANCE FOR SAFE PASSAGE OF AIRCRAFT.
 - REMOVE MATERIAL STOCKPILES AND EQUIPMENT FROM OBJECT FREE AREAS DURING NON-WORK HOURS.
- DAMAGE TO FAA FACILITIES INCLUDING POWER DISRUPTION SHALL BE IMMEDIATELY REPAIRED IN A MANNER ACCEPTABLE TO THE FAA AT THE CONTRACTOR'S EXPENSE.
- 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.
- THE CONTRACTOR MUST REPORT SAFETY ISSUES TO THE ENGINEER AND AIRPORT OPERATIONS UPON DISCOVERY. THE CONTRACTOR MUST TAKE IMMEDIATE ACTION TO RESOLVE SAFETY ISSUES AS DIRECTED.
- IMMEDIATELY REMOVE ALL FOREIGN OBJECTS AND 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, TAXIWAY, APRON SURFACES, AND TUG ROADS.
- CONTRACTOR SHALL FOLLOW LOCKOUT-TAGOUT PROCEDURES AS DEFINED IN SPECIFICATION SECTION L-125. CONTRACTOR SHALL PROVIDE A MINIMUM OF 48 HOUR NOTICE TO THE ENGINEER PRIOR TO CONNECTING TO EXISTING LIGHTING EQUIPMENT.
- OTHER CONTRACTORS OR UTILITY COMPANIES MAY BE WORKING IN THE SAME PROJECT AREA OR IN THE VICINITY DURING THE PROGRESS OF THIS CONTRACT'S WORK. CONTRACTOR SHALL COORDINATE THEIR WORK WITH ALL OTHER CONTRACTORS OR UTILITY COMPANIES WORKING AT OR NEAR THE AIRPORT.
- EMPLOYEE PARKING ONLY. NO STAGING OF MATERIALS OR STOCKPILES ALLOWED. AREA WILL BE USED BY OTHER CONTRACTORS.



CONSTRUCTION EQUIPMENT HEIGHTS	
WORK ZONE	MAX. WORKING HEIGHT (FT.)
PHASE 1 CONSTRUCTION AREA	25
PHASE 2 CONSTRUCTION AREA	
PHASE 3 CONSTRUCTION AREA	
ACCESS/HAUL ROUTES	
STAGING AREAS	
DISPOSAL SITES	

NOTE: IF EQUIPMENT WILL EXCEED ABOVE MAXIMUM WORKING HEIGHTS, CONTRACTOR SHALL SUBMIT A SEPARATE FAA FORM 7460 (SEE GCP 80).

1
AC1

LEGEND

RAP STOCKPILE AREA	ORGANIC DISPOSAL SITE	PROJECT AREA	ACCESS GATE
STAGING AREA	UNCLASSIFIED DISPOSAL SITE	AIRPORT FLAGGER	PROPOSED HAUL ROUTE

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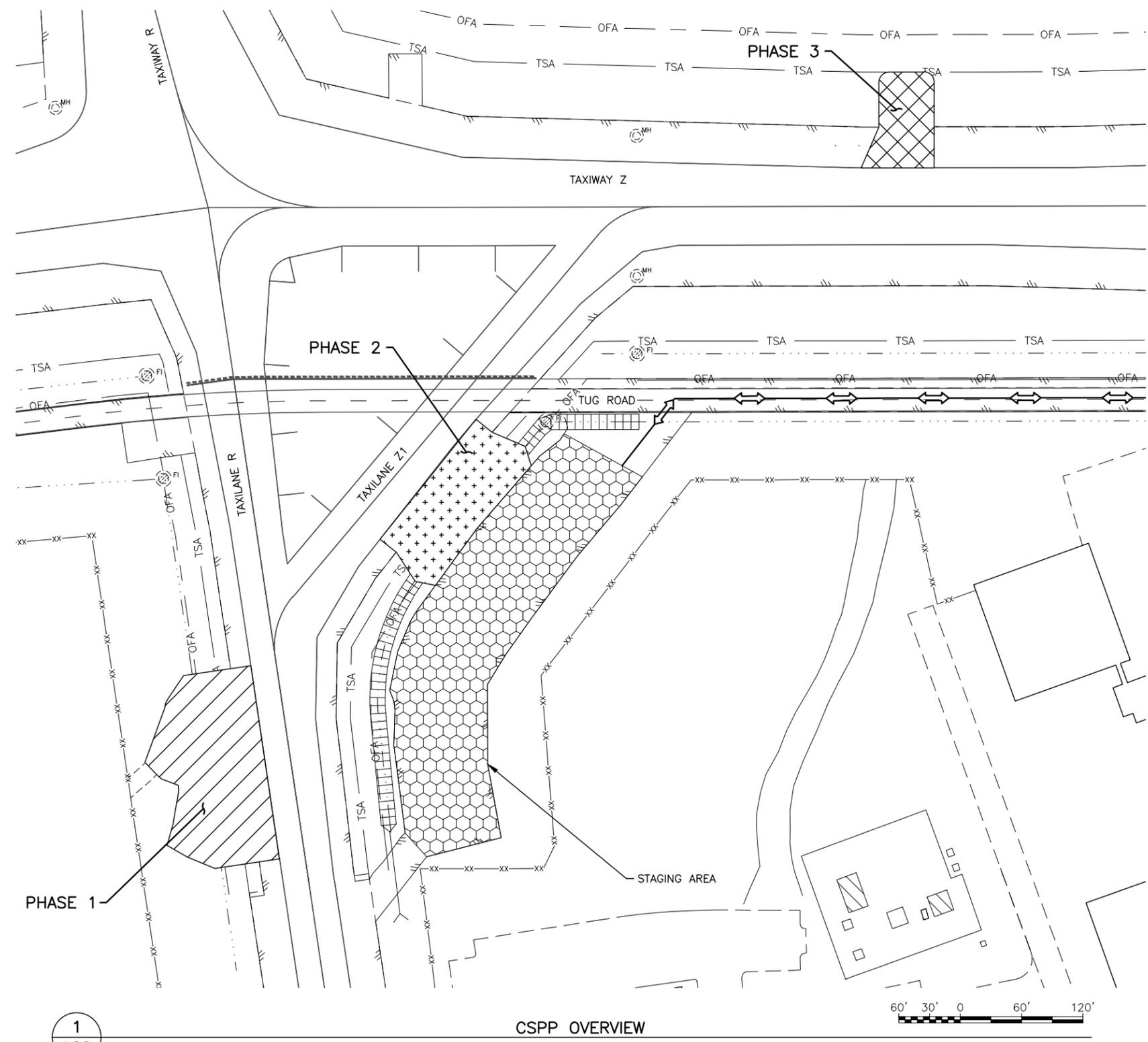
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CSPP HAUL ROUTE
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Designed By: JM
 Drawn By: JM
 Checked By: RB



1
AC2

CSPP OVERVIEW

PHASE	PHASE DURATION (DAYS)	COMPLETION DATE
1	21	9/15/2026
2	14	
3	7	

LEGEND

- HAUL ROUTE
- STAGING AREA
- PHASE 1 - TAXILANE R SIGN INSTALLATION, DITCH REHABILITATION
- PHASE 2 - TAXILANE Z1 SIGN INSTALLATION
- PHASE 3 - TAXIWAY Z SIGN INSTALLATION

SHEET NOTES:

1. 14 DAYS PRIOR TO BEGINNING WORK, NOTIFY AIRPORT OPERATIONS THROUGH THE ENGINEER.
2. PHASE CHANGES SHALL NOT OCCUR ON WEEKENDS.
3. ONCE COMPLETED, EACH PHASE SHALL REMAIN OPEN FOR THE DURATION OF THE PROJECT.
4. WORKING IN CONCURRENT PHASES IS NOT ALLOWED UNLESS AUTHORIZED BY THE ENGINEER OR SPECIFIED IN THE CONSTRUCTION PHASING SCHEDULE BELOW.
5. ALL WORK SHALL BE COMPLETED BY THE PROJECT COMPLETION DATE REGARDLESS OF PHASE DAY DURATIONS IN THE CONSTRUCTION PHASING SCHEDULE.
6. CONTRACTOR SHALL BAG EXISTING AIRPORT SIGNS IN EACH PHASE AND AS DIRECTED BY THE ENGINEER TO MAINTAIN SAFE AIRCRAFT MOVEMENT AREAS.
7. ORDER OF PHASES TO BE DETERMINED BY THE ENGINEER.

PLANS DEVELOPED BY: CRW ENGINEERING GROUP 3940 ARCTIC BLVD. SUITE 300 ANCHORAGE, ALASKA 99503 (907) 562-3252 #AECL882-AK		
BY	DATE	REVISION

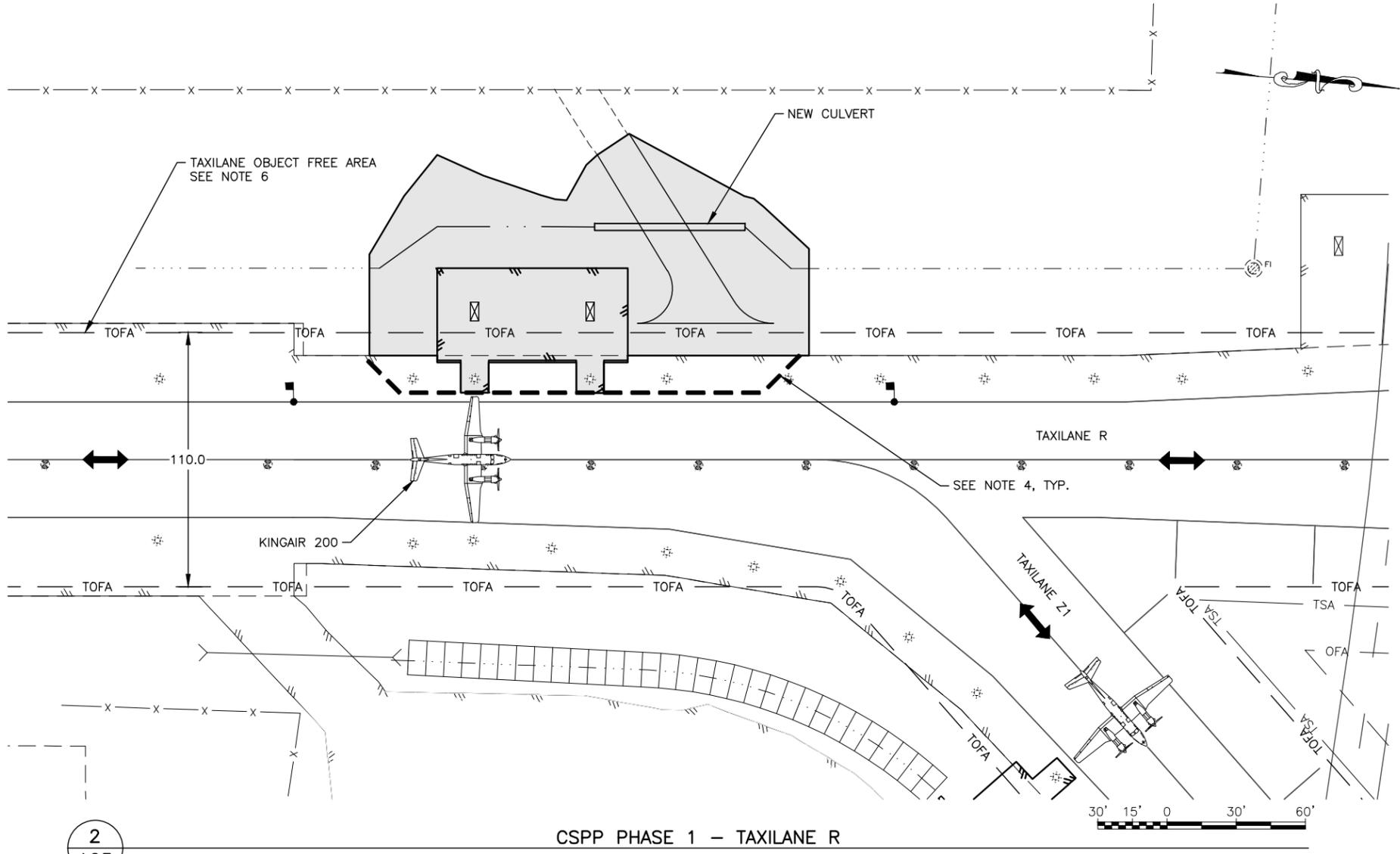
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION
AND PUBLIC FACILITIES
CENTRAL REGION
 4111 AVIATION AVE., ANCHORAGE ALASKA 99502
 PHONE (907) 269-0590

TED STEVENS ANCHORAGE
 ANCHORAGE, ALASKA
 ANC TAXILANE Z1 SIGN INSTALLATION
 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
 CSPP OVERVIEW

DATE:
 JANUARY 2026
 SHEET:
 AC2 of AC6

Date Revises: 1/16/2026 10:24 AM
 Layout Name: AC3
 File Path and Name: J:\JobsData\3020924 ANC Taxilane Z1 Sign Installation\00 CADD\01 Working Set\01 Civil\01388-ANC-CSPP Phase.dwg

Designed By: JM
 Drawn By: JM
 Checked By: RB



COMPLETE THE FOLLOWING PRIOR TO PHASE 1 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR TAXILANES R AND Z1 TO FUNCTION AS AN ADG II TAXILANE, SOUTH OF TAXIWAY Z, FOR THE DURATION OF PHASE 1
- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR ALL PILOTS MUST YIELD TO CONSTRUCTION WORK FOR THE DURATION OF PHASE 1
- FIELD LOCKOUT CIRCUIT T4 (SEE SHEET NOTE 5)
- INSTALL BMP'S PER CONTRACTOR'S APPROVED SWPPP
- POSITION FLAGGERS AS DIRECTED DURING ACTIVE CONSTRUCTION WITHIN THE OFA

COMPLETE THE FOLLOWING DURING PHASE 1 CONSTRUCTION

- INSTALL HAZARD MARKER BARRIERS IN WORK AREA
- REMOVE EXISTING CULVERT
- CONSTRUCT DRAINAGE DITCH AND INSTALL NEW CULVERT
- CONSTRUCT LIGHTED SIGN PAD
- INSTALL TAXIWAY EDGE LIGHTS AND LIGHTED SIGNS

COMPLETE THE FOLLOWING AFTER PHASE 1 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS
- REMOVE BMP'S

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- AIRPORT FLAGGER
- HAZARD MARKER BARRIER
- PHASE WORK AREA

SHEET NOTES:

1. 14 DAYS PRIOR TO THE BEGINNING OF EACH PHASE, NOTIFY AIRPORT OPERATIONS THROUGH THE ENGINEER.
2. ONCE COMPLETED EACH PHASE SHALL REMAIN OPEN TO THE AUTHORIZED PERSONNEL AND TENANTS FOR THE DURATION OF THE PROJECT.
3. COMPLETE LIGHTNING SYSTEM (FIXTURES, CIRCUITS) NOT SHOWN FOR CLARITY.
4. INSTALL HAZARD MARKER BARRIERS IN WORK AREA, MOVE BARRIERS AS DIRECTED BY THE ENGINEER. BARRICADES TO BE PLACED 12- FEET APART OR GREATER IF APPROVED BY ANC OPERATIONS.
5. AT THE END OF EACH SHIFT, FIELD LOCKOUT SHALL BE REMOVED AND TAXILANE LIGHTS RESTORED.
6. TAXILANE OBJECT FREE AREA SHOWN FOR ADG II AIRCRAFT.

2
AC3

CSPP PHASE 1 - TAXILANE R

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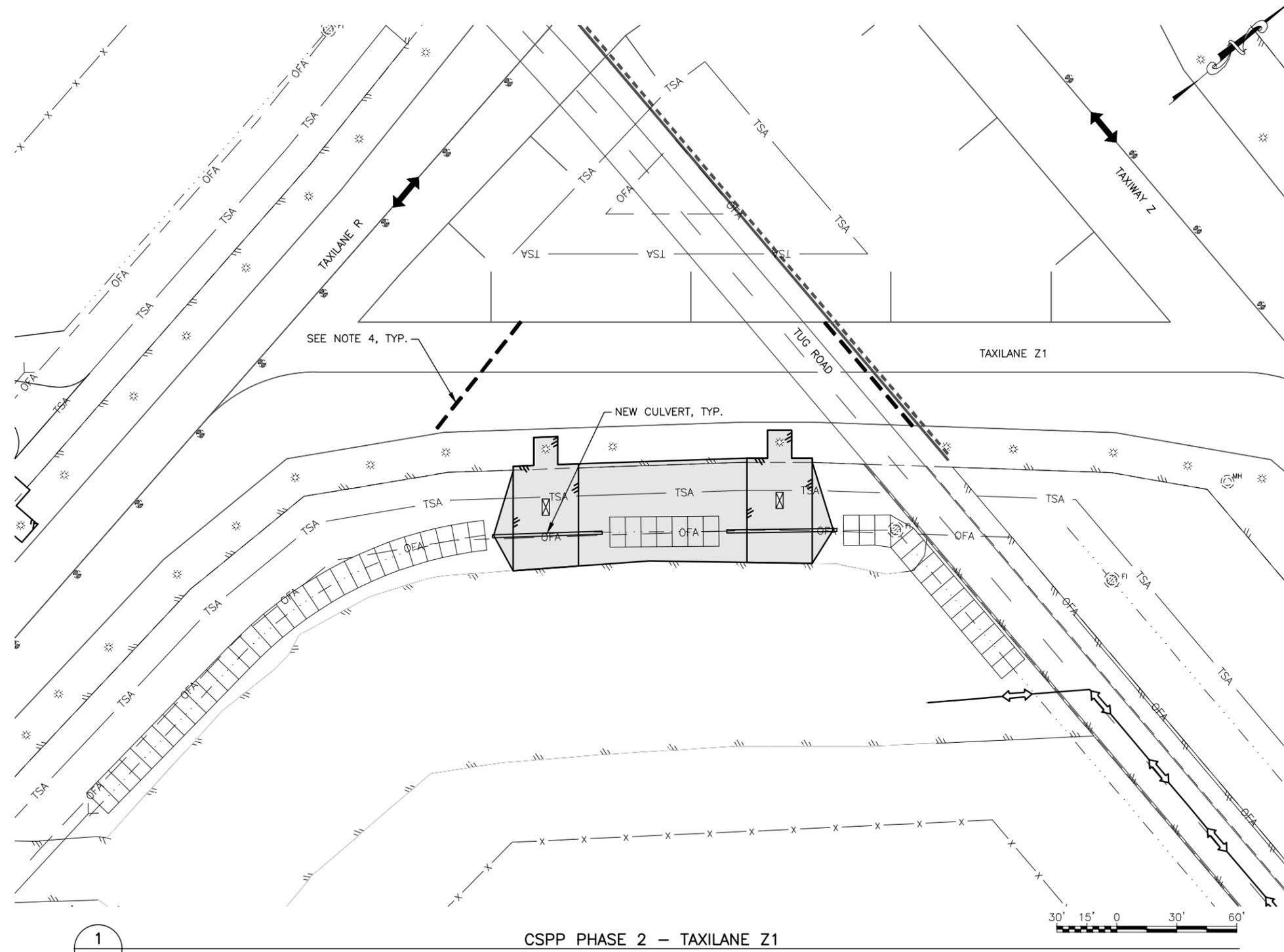
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TED STEVENS ANCHORAGE
 ANCHORAGE, ALASKA
 ANC TAXILANE Z1 SIGN INSTALLATION
 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
 CSPP PHASE 1

DATE:
 JANUARY 2026
 SHEET:
 AC3 of AC6

Date Revises: 1/16/2026 10:37 AM
 Layout Name: AC4
 File Path and Name: J:\JobsData\3020924 ANC Taxilane Z1 Sign Installation\00 CADD\01 Working Set\01 Civil\01388-ANC-CSFP Phase 2.dwg

Designed By: JM
 Drawn By: JM
 Checked By: RB



1
AC4

CSPP PHASE 2 - TAXILANE Z1

COMPLETE THE FOLLOWING PRIOR TO PHASE 2 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR TAXILANE Z1 TO CLOSE FOR THE DURATION OF PHASE 2
- FIELD LOCKOUT CIRCUIT T-4 (SEE SHEET NOTE 5)
- INSTALL BMP'S PER CONTRACTOR'S APPROVED SWPPP

COMPLETE THE FOLLOWING DURING PHASE 2 CONSTRUCTION

- INSTALL HAZARD MARKER BARRIERS IN WORK AREA
- REMOVE ARTICULATED CONCRETE MATTING
- INSTALL CULVERTS
- CONSTRUCT LIGHTED SIGN PADS
- INSTALL NEW TAXILANE EDGE LIGHTS AND LIGHTED SIGNS

COMPLETE THE FOLLOWING AFTER PHASE 2 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS
- REMOVE BMP'S

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- AIRPORT FLAGGER
- HAZARD MARKER BARRIER
- PHASE WORK AREA

SHEET NOTES:

1. 14 DAYS PRIOR TO THE BEGINNING OF EACH PHASE, NOTIFY AIRPORT OPERATIONS THROUGH THE ENGINEER.
2. ONCE COMPLETED EACH PHASE SHALL REMAIN OPEN TO THE AUTHORIZED PERSONNEL AND TENANTS FOR THE DURATION OF THE PROJECT.
3. COMPLETE LIGHTNING SYSTEM (FIXTURES, CIRCUITS) NOT SHOWN FOR CLARITY.
4. INSTALL HAZARD MARKER BARRIERS IN WORK AREA, MOVE BARRIERS AS DIRECTED BY ANC OPERATIONS. BARRICADES TO BE PLACED 12- FEET APART OR GREATER IF APPROVED BY ANC OPERATIONS.
5. AT THE END OF EACH SHIFT, FIELD LOCKOUT SHALL BE REMOVED AND TAXILANE LIGHTS RESTORED.

PLANS DEVELOPED BY:
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 3940 ARCTIC BLVD. SUITE 300
 ANCHORAGE, ALASKA 99503
 (907) 562-3252
 #AECL882-AK

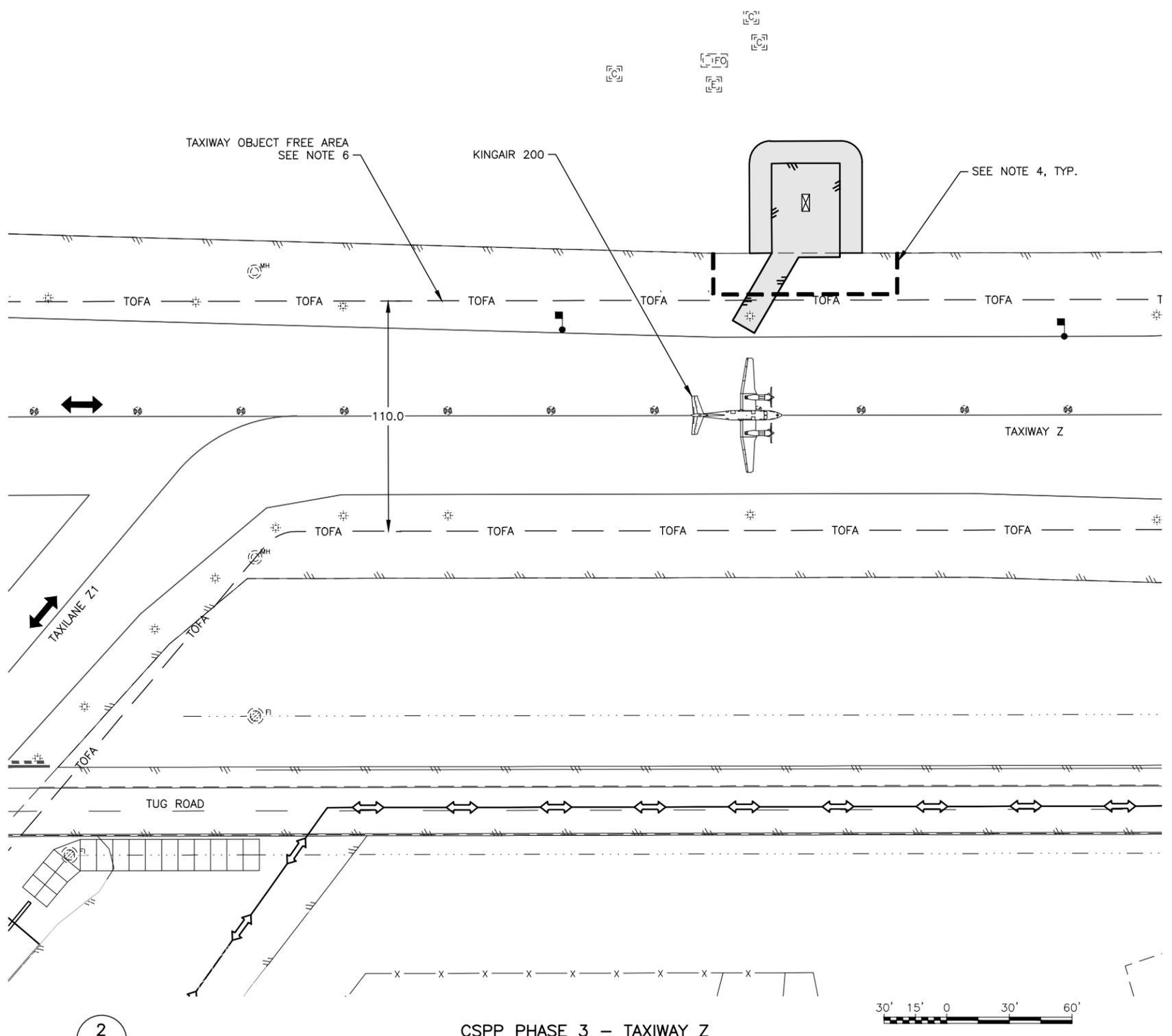
BY	DATE	REVISION

STATE OF ALASKA
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CENTRAL REGION
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 PHONE (907) 269-0590

TED STEVENS ANCHORAGE
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 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
 CSPP PHASE 2

DATE:
 JANUARY 2026
 SHEET:
 AC4 of AC6

Date Revises: 1/16/2026 10:37 AM
 Layout Name: AC5
 File Path and Name: L:\JobsData\3020924 ANC Taxilane Z1 Sign Installation\00 CAD\01 Working Set\01 Civil\01388-ANC-CSPP Phase 3.dwg
 Designed By: JM
 Drawn By: JM
 Checked By: RB



COMPLETE THE FOLLOWING PRIOR TO PHASE 3 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR TAXIWAYS Z AND Z1 TO FUNCTION AS AN ADG II TAXILANE, BETWEEN TAXIWAYS R & E, FOR THE DURATION OF PHASE 3
- FIELD LOCKOUT CIRCUIT T-4 (SEE SHEET NOTE 5)
- INSTALL BMP'S PER CONTRACTOR'S APPROVED SWPPP
- POSITION FLAGGERS AS NECESSARY WHEN PERFORMING WORK WITHIN THE OFA

COMPLETE THE FOLLOWING DURING PHASE 3 CONSTRUCTION

- INSTALL HAZARD MARKER BARRIERS IN WORK AREA
- CONSTRUCT LIGHTED SIGN PAD
- INSTALL TAXIWAY EDGE LIGHTS AND LIGHTED SIGN

COMPLETE THE FOLLOWING AFTER PHASE 3 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS
- REMOVE BMP'S

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- AIRPORT FLAGGER
- HAZARD MARKER BARRIER
- PHASE WORK AREA

SHEET NOTES:

1. 14 DAYS PRIOR TO THE BEGINNING OF EACH PHASE, NOTIFY AIRPORT OPERATIONS THROUGH THE ENGINEER.
2. ONCE COMPLETED EACH PHASE SHALL REMAIN OPEN TO THE AUTHORIZED PERSONNEL AND TENANTS FOR THE DURATION OF THE PROJECT.
3. COMPLETE LIGHTNING SYSTEM (FIXTURES, CIRCUITS) NOT SHOWN FOR CLARITY.
4. INSTALL HAZARD MARKER BARRIERS IN WORK AREA, MOVE BARRIERS AS DIRECTED BY ANC OPERATIONS. BARRICADES TO BE PLACED 12- FEET APART OR GREATER IF APPROVED BY ANC OPERATIONS.
5. AT THE END OF EACH SHIFT, FIELD LOCKOUT SHALL BE REMOVED AND TAXILANE LIGHTS RESTORED.
6. TAXIWAY OBJECT FREE AREA SHOWN IS FOR ADG II AIRCRAFT.

PLANS DEVELOPED BY: CRW ENGINEERING GROUP 3940 ARCTIC BLVD. SUITE 300 ANCHORAGE, ALASKA 99503 (907) 562-3252 #AECL882-AK		
BY	DATE	REVISION

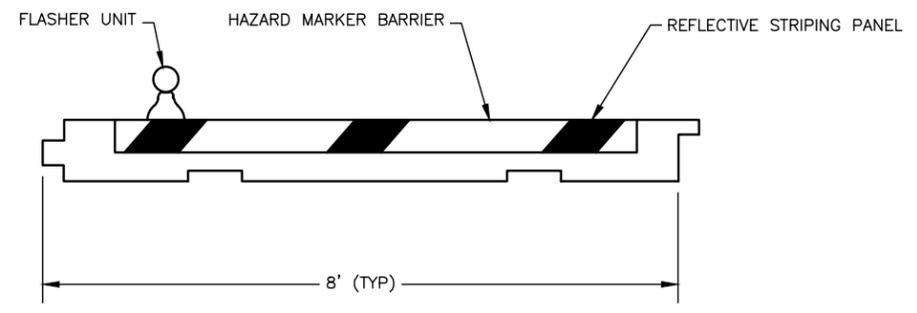
STATE OF ALASKA
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CENTRAL REGION
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 PHONE (907) 269-0590

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 ANCHORAGE, ALASKA
 ANC TAXILANE Z1 SIGN INSTALLATION
 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
 CSPP PHASE 3

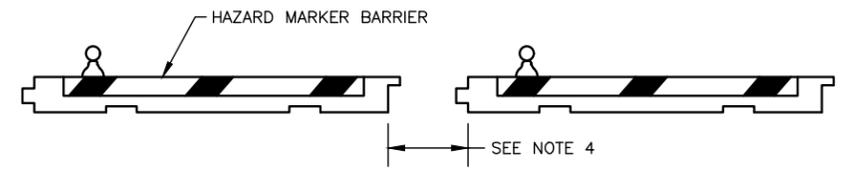
DATE:
 JANUARY 2026
 SHEET:
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Date Received: 1/16/2026 10:40 AM
 Layout Name: AC6
 File Path and Name: J:\JobsData\30209.24 ANC Taxilane Z1 Sign Installation\00 CAD\01 Working Set\01 Civil\01388-ANC-CSPP Details.dwg

Designed By: JM
 Drawn By: JM
 Checked By: RB



1
AC6 AVIATION HAZARD MARKER BARRICADE DETAIL
 SCALE: NTS



2
AC6 CONSTRUCTION CLOSURE HAZARD MARKER BARRIER DETAIL
 SCALE: NTS

BARRICADE NOTES:

1. FLASHER SHALL BE BATTERY POWERED LIGHTS, TYPE "A", OF LOW INTENSITY, FLASHING, CONFORMING TO PART VI OF THE MANUAL ON TRAFFIC CONTROL DEVICES, 2009 EDITION.
2. ATTACH FLASHER PER MANUFACTURER'S RECOMMENDATIONS.
3. PLACE BARRIERS TO SEPARATE CONSTRUCTION AREAS FROM OPEN PORTIONS OF THE AIRPORT.
4. BARRIERS TO BE PLACED 12-FEET APART OR GREATER IF APPROVED BY ANC OPERATIONS.

PLANS DEVELOPED BY: CRW ENGINEERING GROUP 3940 ARCTIC BLVD. SUITE 300 ANCHORAGE, ALASKA 99503 (907) 562-3252 #AECL882-AK			BY	DATE	REVISION

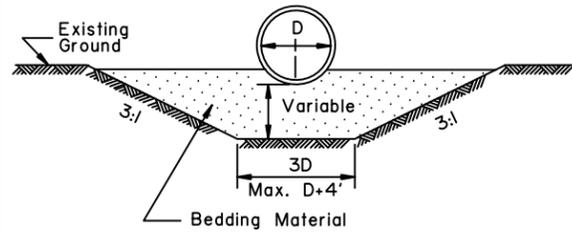
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 PROJECT No. CFAPT01388
 AIP No. 3-02-0016-XXX-2026
 CSPP DETAILS

DATE: JANUARY 2026
 SHEET: AC6 OF AC6

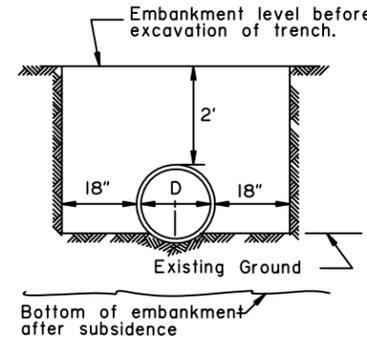
GENERAL NOTES:

1. Sidefill shall be placed and compacted with care under haunches of pipe and shall be brought up evenly and simultaneously on both sides of pipe to 1 foot above the top of the full length of the pipe.
2. Alternate installation methods may only be used when specified or approved by the Engineer.

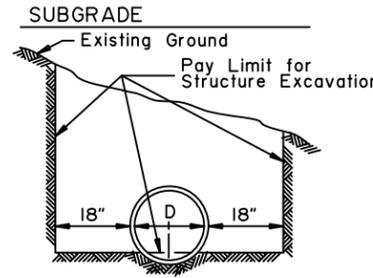


TYPE "A"
FOUNDATION STABILIZATION

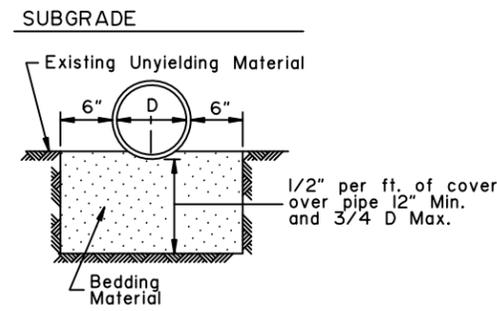
To be used in unstable areas as directed by the Engineer.



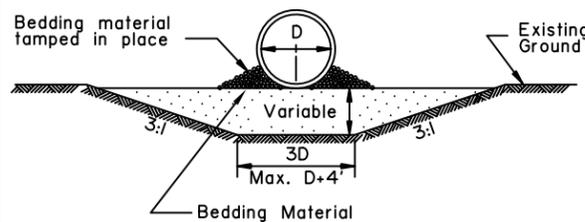
TYPE "B"



TYPE "C"

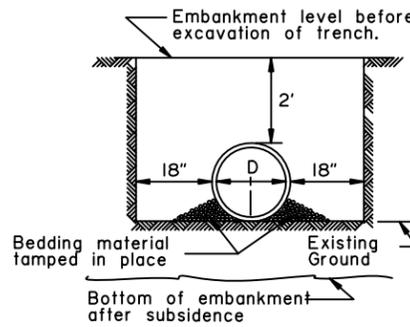


TYPE "D"
ROCK OR UNYIELDING MATERIAL

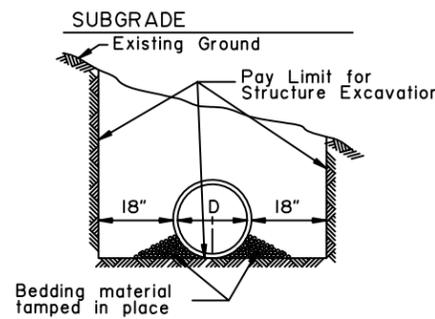


'ALTERNATE'
TYPE "A"
FOUNDATION STABILIZATION

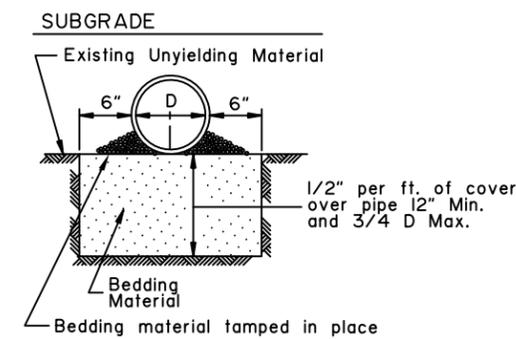
To be used in unstable areas as directed by the Engineer.



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TYPE "B"

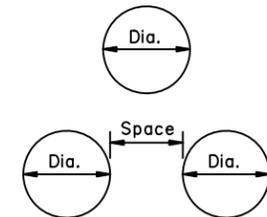


'ALTERNATE'
TYPE "C"



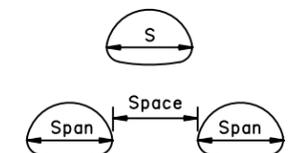
'ALTERNATE' TYPE "D"
ROCK OR UNYIELDING MATERIAL

D = Nominal Pipe Diameter



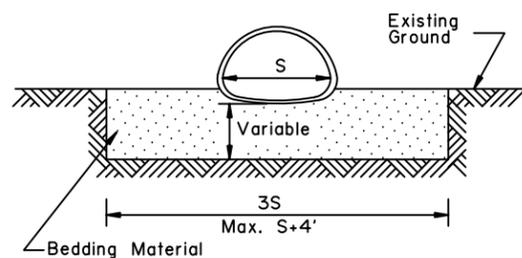
MULTIPLE INSTALLATIONS	
Dia.	Minimum Space Between Pipes
0" - 42"	24"
48" & Over	1/2 Dia. of pipe or 3', whichever is less.

S = Nominal Pipe Arch Span



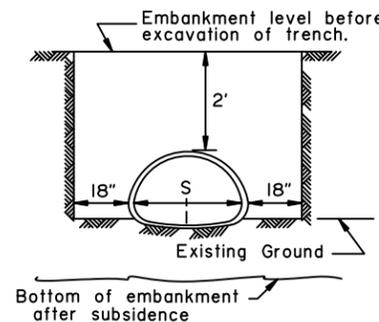
MULTIPLE INSTALLATIONS	
Dia.	Minimum Space Between Pipes
0" - 42"	24"
48" & Over	1/2 Span of pipe arch or 3', whichever is less.

CULVERT PIPE

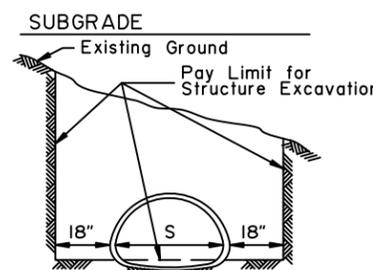


TYPE "A"
FOUNDATION STABILIZATION

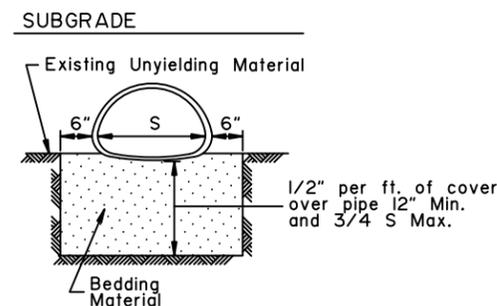
To be used in unstable areas as directed by the Engineer.



TYPE "B"



TYPE "C"



TYPE "D"
ROCK OR UNYIELDING MATERIAL

ARCH

State of Alaska DOT&PF
ALASKA STANDARD PLAN
CULVERT PIPE & ARCH
INSTALLATION DETAILS

Adopted as an Alaska Standard Plan by: *Kenneth J. Fisher*
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

GENERAL NOTES:

- All material and workmanship shall be in accordance with the State of Alaska, Standard Specifications for Highway Construction.
- The contractor shall select only pipes that meet specific height of cover criteria shown on the plans or in the special provisions.
- No more than one type of pipe may be used on any single installation or installation grouping.
- All structural plate pipes shall be placed on a pre-shaped foundation conforming to the depth of the bottom plates with clearance for assembling to the adjacent plates allowed.
- See Standard Plan D-01 "Culvert Pipe & Arch Installation Details" for foundation and structural backfill details.
- Minimum cover shall be measured from the top of pipe to the top of rigid pavement or to the bottom of flexible pavement subgrade. In all cases, the minimum cover shall not be less than 12". Minimum cover during construction shall be that required to protect the pipe from damage or deflection.
- These tables have been developed for an HL-93 live load and for compacted soil weighing 120 lbs. per cubic foot or less. If compacted soil cover exceeds 120 lbs. per cubic foot, the contractor shall use the depth of cover shown in the plans for the specific pipe. Where compacted soil cover exceeds 120 lbs. per cubic foot and no specific cover requirements are provided in the plans, the contractor shall determine the required minimum pipe cover in accordance with Section 12 of the 2017 AASHTO "LRFD Bridge Design Specifications".

Gage		16	14	12	10	8
Thickness		0.060	0.075	0.105	0.135	0.164
Dia. (In)	Min. (In)	Max. (Ft)				
12	12	100+	100+	100+	100+	100+
15	12	100	100+	100+	100+	100+
18	12	83	100+	100+	100+	100+
21	12	71	89	100+	100+	100+
24	12	62	78	100+	100+	100+
27	12		69	97	100+	100+
30	12		62	87	100+	100+
36	12		51	73	94	100+
42	12			62	80	100+
48	12			54	70	85
54	15			48	62	76
60	15				52	64
66	18					52
72	18					43

Gage		16	14	12	10	8
Thickness		0.060	0.075	0.105	0.135	0.164
Dia. (In)	Min. (In)	Max. (Ft)				
30	12	57	72	100+	100+	100+
36	12	47	60	84	100+	100+
42	12	40	51	72	96	100+
48	12	35	44	62	84	99
54	15	31	39	55	74	88
60	15	28	35	50	67	79
66	18	25	32	45	61	72
72	18	23	29	41	56	66
78	21		27	38	51	61
84	21			35	48	56
90	24			33	44	52
96	24			31	41	49
102	24				39	46
108	24				37	43
114	24					39
120	24					36

Thickness	0.125		0.150	
Dia. (In)	Min. (In)	Max. (Ft)	Min. (In)	Max. (Ft)
84	18	31		
90	18	27		
96	18	27		
102	18	24		
108	18	24		
114	18	21		
120	24	21		
126	24	19		
132	30	19		
138	30	18		
144	30	18		
150	30		22	
156	30		22	
162	36		20	
168	36		20	

*5.33 - 3/4" dia. steel bolts per foot.

————— CORRUGATED CIRCULAR ALUMINUM PIPE —————

————— CORRUGATED ALUMINUM PIPE-ARCH —————

Span (Ft.-In.)	Rise (Ft.-In.)	Corner Radius (In)	Min. Thickness (In)	2 Tons/Sf Corner Bearing Pressure	
				Min. Cover (In)	Max. Cover (Ft)
17	13	3 4/8	16 (0.060)	12	13
21	15	4 1/8	16 (0.060)	12	12
24	18	4 7/8	16 (0.060)	12	12
28	20	5 4/8	14 (0.075)	12	12
35	24	6 7/8	14 (0.075)	12	12
42	29	8 2/8	12 (0.105)	12	12
49	33	9 5/8	12 (0.105)	15	12
57	38	11	10 (0.135)	15	12
64	43	12 3/8	10 (0.135)	18	12
71	47	13 6/8	8 (0.164)	18	12

Span (Ft.-In.)	Rise (Ft.-In.)	Corner Radius (In)	Min. Thickness (In)	2 Tons/Sf Corner Bearing Pressure	
				Min. Cover (In)	Max. Cover (Ft)
60	46	18 6/8	14 (0.075)	15	20
66	51	20 6/8	14 (0.075)	18	20
73	55	22 7/8	14 (0.075)	21	20
81	59	20 7/8	12 (0.105)	21	16
87	63	22 7/8	12 (0.105)	24	16
95	67	24 3/8	12 (0.105)	24	16
103	71	26 1/8	10 (0.135)	24	16
112	75	27 6/8	8 (0.164)	24	16

Span (Ft.-In.)	Rise (Ft.-In.)	Corner Radius (In)	Min. Thickness (In)	Min. Cover (In)	2 Tons/Sf Corner Bearing Pressure
					Max. Cover (Ft)
6-7	5-8	31.75	0.125	24	24
6-11	5-9	31.75	0.125	24	24
7-3	5-11	31.75	0.125	24	18
7-9	6-0	31.75	0.125	24	18
8-5	6-3	31.75	0.125	24	16
9-3	6-5	31.75	0.125	24	15
10-3	6-9	31.75	0.125	30	13
10-9	6-10	31.75	0.125	30	13
11-5	7-1	31.75	0.125	30	13
12-7	7-5	31.75	0.125	30	11
12-11	7-6	31.75	0.125	30	11
13-1	8-2	31.75	0.125	30	11
13-11	8-5	31.75	0.125	36	10
14-8	9-8	31.75	0.125	36	9
15-4	10-0	31.75	0.150	36	8
16-1	10-4	31.75	0.150	36	8
16-9	10-8	31.75	0.150	42	7
17-3	11-0	31.75	0.150	42	7
18-0	11-4	31.75	0.175	42	7
18-8	11-8	31.75	0.175	42	7

*5.33 - 3/4" dia. steel bolts per foot.

State of Alaska DOT&PF
ALASKA STANDARD PLAN
PIPE AND ARCH TABLES

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: KLH Date: 7/8/2020

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

Minimum & Maximum Cover for 2 2/3" x 1/2" Steel Pipe						
Gage	16	14	12	10	8	
Thickness	0.060	0.075	0.105	0.135	0.164	
Dia. (In)	Min. (In)	Max. (Ft)				
12	12	100+	100+	100+	100+	100+
15	12	100+	100+	100+	100+	100+
18	12	100+	100+	100+	100+	100+
21	12	100+	100+	100+	100+	100+
24	12	100+	100+	100+	100+	100+
30	12	83	100+	100+	100+	100+
36	12	69	86	100+	100+	100+
42	12	59	74	100+	100+	100+
48	12	51	64	91	100+	100+
54	12		57	80	100+	100+
60	12			72	93	100+
66	12			66	85	100+
72	12				78	95
78	12					84
84	12					73

Minimum & Maximum Cover fo 3" x 1" Steel Pipe						
Gage	16	14	12	10	8	
Thickness	0.060	0.075	0.105	0.135	0.164	
Dia. (In)	Min. (In)	Max. (Ft)				
36	12			100+	100+	100+
42	12			100+	100+	100+
48	12		74	100+	100+	100+
54	12	53	66	93	100+	100+
60	12	47	59	83	100+	100+
66	12	43	54	76	98	100+
72	12	39	49	69	89	100+
78	12	36	45	64	82	100+
84	12	33	42	59	77	94
90	12	31	39	55	71	87
96	12	29	37	52	67	82
102	18	27	34	49	63	77
108	18		32	46	59	73
114	18		31	43	56	69
120	18		29	41	53	65
126	18			39	51	62
132	18			37	48	59
138	18			36	46	57
144	18			44	54	

Minimum & Maximum Cover for 5" x 1" Steel Pipe						
Gage	16	14	12	10	8	
Thickness	0.060	0.075	0.105	0.135	0.164	
Dia. (In)	Min. (In)	Max. (Ft)				
36	12	71	88	100+	100+	100+
42	12	60	76	100+	100+	100+
48	12	53	66	93	100+	100+
54	12	47	59	82	100+	100+
60	12	42	53	74	96	100+
66	12	38	48	67	87	100+
72	12	35	44	62	79	97
78	12	32	40	57	73	90
84	12	30	37	53	68	83
90	12	28	35	49	63	78
96	12	26	33	46	59	73
102	18	24	31	43	56	69
108	18		29	41	53	65
114	18		27	39	50	61
120	18		26	37	47	58
126	18			35	45	55
132	18			33	43	53
138	18			32	41	50
144	18			39	48	

Minimum & Maximum Cover for 6" x 2" Steel Multiplate Pipe*							
Gage	12	10	8	7	5	3	1
Thickness	0.111	0.140	0.170	0.188	0.218	0.249	0.280
Dia. (In)	Min. (In)	Max. (Ft)					
60	12	46	67	87	100	100+	100+
66	12	42	60	79	91	100+	100+
72	12	38	55	73	83	100+	100+
78	12	35	51	67	77	93	100+
84	12	32	47	62	71	86	100+
90	12	30	44	58	67	80	95
96	12	28	41	54	62	75	89
102	18	27	39	51	59	71	84
108	18	25	37	48	55	67	79
114	18	24	35	45	52	63	75
120	18	22	33	43	50	60	71
126	18	21	31	41	47	57	68
132	18	20	30	39	45	54	64
138	18	19	28	37	43	52	62
144	18	18	27	36	41	50	59

*4 - 3/4" dia. steel bolts per foot.

GENERAL NOTES

- All material and workmanship shall be in accordance with the State of Alaska, Standard Specifications for Highway Construction.
- The contractor shall select only pipes that meet specific height of cover criteria shown on the plans or in the special provisions.
- No more than one type of pipe may be used on any single installation or installation grouping.
- All structural plate pipes shall be placed on a pre-shaped foundation conforming to the depth of the bottom plates with clearance for assembling to the adjacent plates allowed.
- See Standard Plan D-01 "Culvert Pipe & Arch Installation Details" for foundation and structural backfill details.
- Minimum cover shall be measured from the top of pipe to the top of rigid pavement or to the bottom of flexible pavement subgrade. In all cases, the minimum cover shall not be less than 12". Minimum cover during construction shall be that required to protect the pipe from damage or deflection.
- These tables have been developed for an HL-93 live load and for compacted soil weighing 120 lbs. per cubic foot or less. If compacted soil cover exceeds 120 lbs. per cubic foot, the contractor shall use the depth of cover shown in the plans for the specific pipe. Where compacted soil cover exceeds 120 lbs. per cubic foot and no specific cover requirements are provided in the plans, the contractor shall determine the required minimum pipe cover in accordance with Section 12 of the 2017 AASHTO "LRFD Bridge Design Specifications".

CORRUGATED CIRCULAR STEEL PIPE

CORRUGATED STEEL PIPE-ARCH

Minimum & Maximum Cover for 2 2/3" X 1/2" Steel Pipe-Arch						
2 Tons/Sf Corner Bearing Pressure						
Span (Ft.-In.)	Rise (Ft.-In.)	Corner Radius (In)	Min. Thickness (In)	Min. Cover (In)	Max. Cover (Ft)	
17	13	3 4/8	16 [0.060]	12	11	
21	15	4 1/8	16 [0.060]	12	11	
24	18	4 7/8	16 [0.060]	12	11	
28	20	5 4/8	16 [0.060]	12	11	
35	24	6 7/8	16 [0.060]	12	11	
42	29	8 2/8	16 [0.060]	12	11	
49	33	9 5/8	14 [0.075]	12	11	
57	38	11	12 [0.109]	12	11	
64	43	12 3/8	12 [0.109]	12	11	
71	47	13 6/8	10 [0.138]	12	11	
77	52	15 1/8	10 [0.138]	12	11	
83	57	16 4/8	8 [0.168]	12	11	

Minimum & Maximum Cover for 3" X 1" Steel Pipe-Arch						
2 Tons/Sf Corner Bearing Pressure						
Span (Ft.-In.)	Rise (Ft.-In.)	Corner Radius (In)	Min. Thickness (In)	Min. Cover (In)	Max. Cover (Ft)	
53	41	10 2/8	14 [0.079]	12	10	
60	46	18 6/8	14 [0.079]	15	29	
66	51	20 6/8	14 [0.079]	15	29	
73	55	22 7/8	14 [0.079]	18	18	
81	59	20 7/8	14 [0.079]	18	15	
87	63	22 7/8	14 [0.079]	18	15	
95	67	24 3/8	14 [0.079]	18	15	
103	71	26 1/8	14 [0.079]	18	14	
112	75	27 6/8	14 [0.079]	21	14	
117	79	29 4/8	12 [0.109]	21	14	
128	83	31 2/8	10 [0.138]	24	14	
137	87	33	10 [0.138]	24	14	
142	91	34 6/8	10 [0.138]	24	13	
150	96	36	10 [0.138]	30	13	
157	96	38	10 [0.138]	30	13	
164	105	40	10 [0.138]	30	14	
171	110	41	10 [0.138]	30	13	

Minimum & Maximum Cover for 5" X 1" Steel Pipe-Arch						
2 Tons/Sf Corner Bearing Pressure						
Span (Ft.-In.)	Rise (Ft.-In.)	Corner Radius (In)	Min. Thickness (In)	Min. Cover (In)	Max. Cover (Ft)	
53	41	10 2/8	14 [0.079]	12	10	
60	46	18 6/8	14 [0.079]	15	29	
66	51	20 6/8	14 [0.079]	15	29	
73	55	22 7/8	14 [0.079]	18	18	
81	59	20 7/8	14 [0.079]	18	15	
87	63	22 7/8	14 [0.079]	18	15	
95	67	24 3/8	14 [0.079]	18	15	
103	71	26 1/8	14 [0.079]	18	14	
112	75	27 6/8	14 [0.079]	21	14	
117	79	29 4/8	12 [0.109]	21	14	
128	83	31 2/8	10 [0.138]	24	14	
137	87	33	10 [0.138]	24	14	
142	91	34 6/8	10 [0.138]	24	13	
150	96	36	10 [0.138]	30	13	
157	96	38	10 [0.138]	30	13	
164	105	40	10 [0.138]	30	14	
171	110	41	10 [0.138]	30	13	

Minimum & Maximum Cover for Steel Multiplate Pipe-Arch 6" x 2" *					
2 Tons/Sf Corner Bearing Pressure					
Span (Ft.-In.)	Rise (Ft.-In.)	Corner Radius (In)	Min. Gage (In)	Min. Cover (In)	Max. Cover (Ft)
6-1	4-7	18	12 [0.111]	12	14
7-0	5-1	18	12 [0.111]	12	12
7-11	5-7	18	12 [0.111]	12	10
8-10	6-1	18	12 [0.111]	18	9
9-9	6-7	18	12 [0.111]	18	8
10-11	7-1	18	12 [0.111]	18	6
11-10	7-7	18	12 [0.111]	18	5
12-10	8-4	18	12 [0.111]	24	5
13-3	9-4	31	10 [0.140]	24	11
14-2	9-10	31	10 [0.140]	24	10
15-4	10-4	31	10 [0.140]	24	9
16-3	10-10	31	10 [0.140]	30	8
17-2	11-4	31	10 [0.140]	30	8
18-1	11-10	31	10 [0.140]	30	7
19-3	12-4	31	10 [0.140]	30	7
19-11	12-10	31	10 [0.140]	30	6
20-7	13-2	31	10 [0.140]	36	6

*4 - 3/4" dia. steel bolts per foot.

State of Alaska DOT&PF
ALASKA STANDARD PLAN

PIPE AND ARCH TABLES

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: KLH Date: 7/8/2020

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

GENERAL NOTES

1. All materials and workmanship shall be in accordance with the State of Alaska Standard Specifications for Highway Construction.
2. For foundation and structural backfill details see Standard Plan D-01 "Culvert Pipe & Arch Installation Details".
3. Pipe cover height is measured from top of the pipe to top of rigid pavement, or to the bottom of subgrade for flexible pavement. In all cases the minimum cover shall be no less than 2 ft. Where loads traverse the culvert during construction minimum cover shall be no less than 4 ft.

Maximum Cover for Type S Corrugated Polyethylene Pipe	
Size (in)	Max. Cover (ft)
12	24
15	25
18	24
24	20
30	20
36	18
42	16
48	17

State of Alaska DOT&PF
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GENERAL NOTES

- All material and workmanship shall be in accordance with the State of Alaska, Standard Specifications for Highway Construction.
- The contractor shall select only pipes that meet specific height of cover criteria shown on the plans or in the special provisions.
- No more than one type of pipe may be used on any single installation or installation grouping.
- All structural plate pipes shall be placed on a pre-shaped foundation conforming to the depth of the bottom plates with clearance for assembling to the adjacent plates allowed.
- See Standard Plan D-01 "Culvert Pipe & Arch Installation Details" for foundation and structural backfill details.
- Minimum cover shall be measured from the top of pipe to the top of rigid pavement or to the bottom of flexible pavement subgrade. In all cases, the minimum cover shall not be less than 12". Minimum cover during construction shall be that required to protect the pipe from damage or deflecton.
- These tables have been developed for an HL-93 live load and for compacted soil weighing 120 lbs. per cubic foot or less. If compacted soil cover exceeds 120 lbs. per cubic foot, the contractor shall use the depth of cover shown in the plans for the specific pipe. Where compacted soil cover exceeds 120 lbs. per cubic foot and no specific cover requirements are provided in the plans, the contractor shall determine the required minimum pipe cover in accordance with Section 12 of the 2017 AASHTO "LRFD Bridge Design Specifications".

Minimum & Maximum Cover for Aluminum Spiral Rib Circular Pipe*					
Gage		16	14	12	10
Thickness		0.064	0.079	0.109	0.138
Dia. (In)	Min. (In)	Max. (Ft)	Max. (Ft)	Max. (Ft)	Max. (Ft)
18	12	43	61		
21	12	38	52	84	
24	12	33	45	73	
30	15	26	36	58	
36	18	21	30	49	69
42	21		25	41	59
48	24			36	51
54	24			32	46
60	24			29	41
66	24				37
72	30				34

* $\frac{3}{4}$ x $\frac{3}{4}$ x $7\frac{1}{2}$ in. Corrugations

Minimum & Maximum Cover for Aluminum Spiral Rib Pipe-Arch*					
Gage		16	14	12	10
Thickness		0.060	0.075	0.105	0.135
Span (Ft.-In.)	Rise (Ft.-In.)	Min. Cover (In)	Max. Cover (Ft)		
20	16	12	16		
23	19	12	15		
27	21	15	13	13	
33	26	18	13	13	13
40	31	21		13	13
46	36	24			13
53	41	24			13
60	46	24			13
66	51	24			13

* $\frac{3}{4}$ x $\frac{3}{4}$ x $7\frac{1}{2}$ in. Corrugations

ALUMINUM SPIRAL RIB PIPE

STEEL SPIRAL RIB PIPE

Minimum & Maximum Cover for Steel and Aluminized Steel Spiral Rib Circular Pipe*					
Gage		16	14	12	10
Thickness		0.064	0.079	0.109	0.138
Dia. (In)	Min. (In)	Max. (Ft)	Max. (Ft)	Max. (Ft)	Max. (Ft)
18	12	91			
24	12	68	95	100+	
30	12	54	76	100+	
36	12	45	63	100+	
42	12	38	54	90	
48	12	33	47	79	
54	18	30	42	70	
60	18	27	38	63	92
66	18	24	34	57	83
72	18		31	52	76
78	24		29	48	70
84	24		27	45	65
90	24			42	61
96	24			39	56
102	30			36	50
108	30			32	45

* $\frac{3}{4}$ x $\frac{3}{4}$ x $7\frac{1}{2}$ in. Corrugations.

Minimum & Maximum Cover for Steel Spiral Rib Pipe-Arch*					
2 Tons/Sf Corner Bearing Pressure					
Thickness		0.064	0.079	0.109	
Span (Ft.-In.)	Rise (Ft.-In.)	Min. Cover (In)	Max. Cover (Ft)		
20	16	12	13		
23	19	12	13		
27	21	12	11		
33	26	12	11		
40	31	12	11		
46	36	12	11		
53	41	18		11	
60	46	18		19	
66	51	18		19	
73	55	18			18
81	59	18			15
87	63	18			15
95	67	18			15

* $\frac{3}{4}$ x $\frac{3}{4}$ x $7\frac{1}{2}$ in. Corrugations

State of Alaska DOT&PF
ALASKA STANDARD PLAN

PIPE AND ARCH TABLES

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: KLH Date: 7/8/2020

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

GENERAL NOTES:

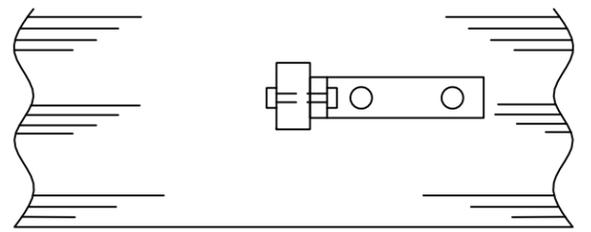
- I. Culvert marker post shall be installed with galvanized steel hardware meeting the following requirements: Galvanizing for nuts and washers shall meet the requirements of ASTM A-153, Class C. Galvanizing for steel mounting supports shall meet the requirements of MIL-P-26915A, or ASTM A-153, Class C.

O
 23 + 45
 18" x 48"
 O

Sta. and size of Culvert to be stamped into a 2"x4"x0.064" thick brass plate, fastened, with No. 8 round head brass screws, to the marker post as shown. Plate to be on side of post facing traffic.

DIRECTION OF TRAFFIC

Shoulder of Road

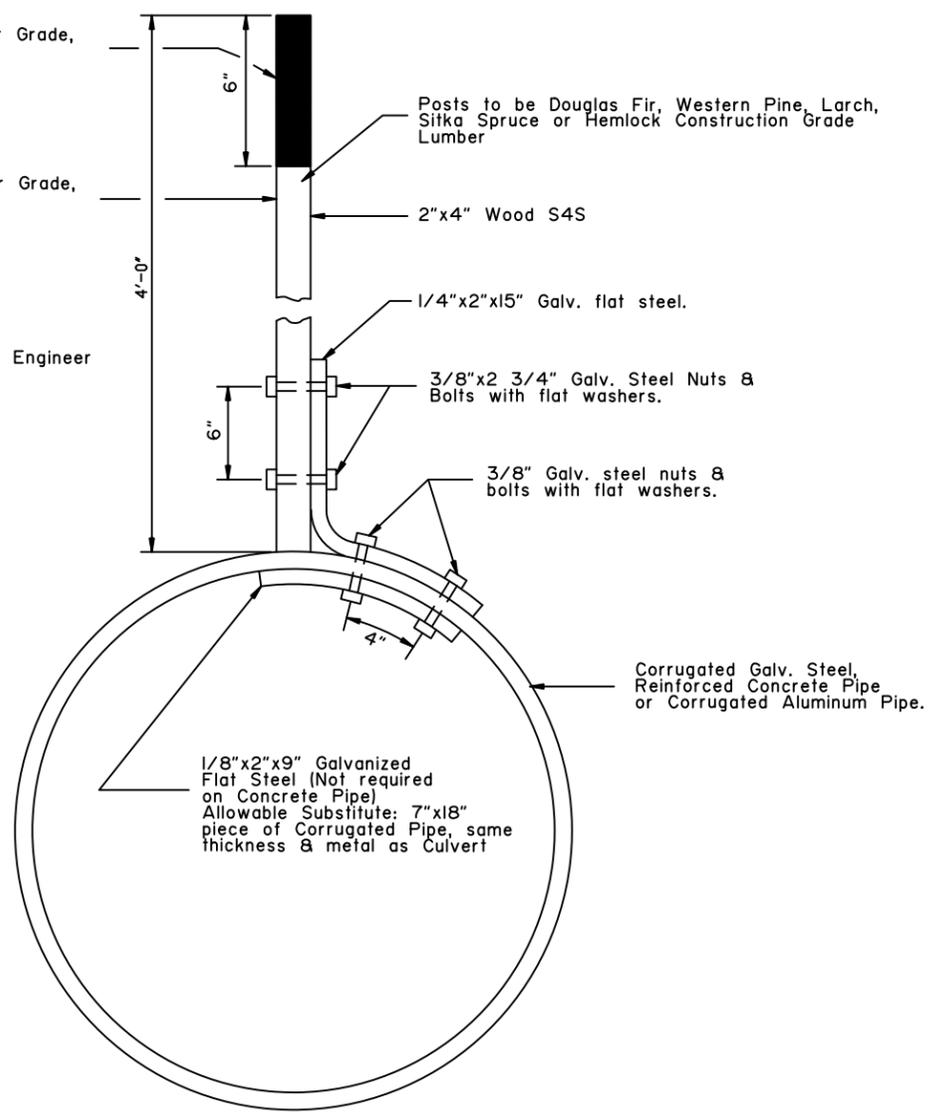


TOP VIEW

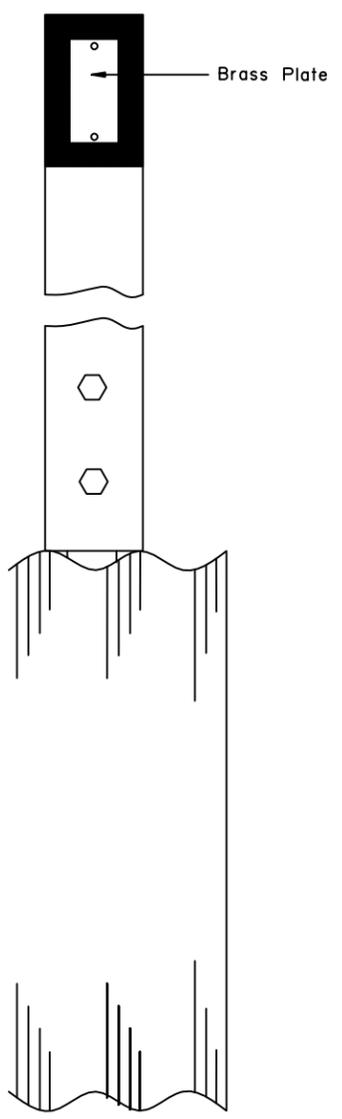
* Black Paint, Exterior Grade, Semi Gloss Enamel.

* White Paint, Exterior Grade, Semi Gloss Enamel

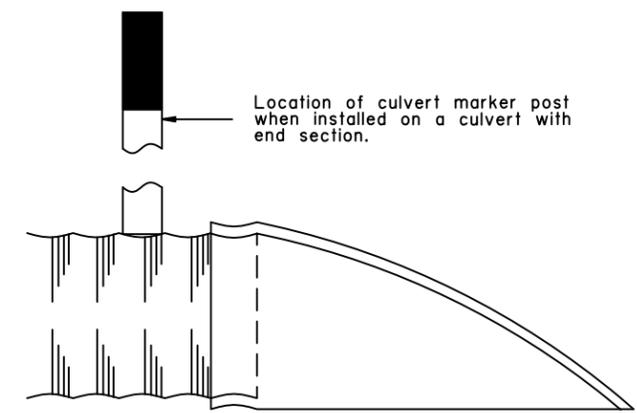
* As approved by the Engineer



END VIEW



SIDE VIEW



END SECTION SIDE VIEW

State of Alaska DOT&PF
ALASKA STANDARD PLAN

CULVERT MARKER POST

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