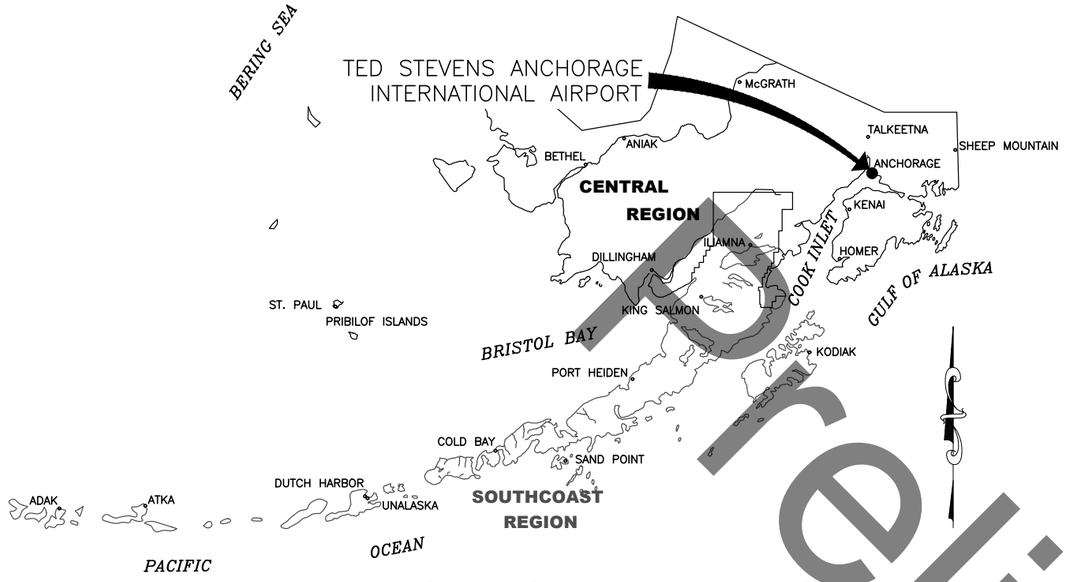
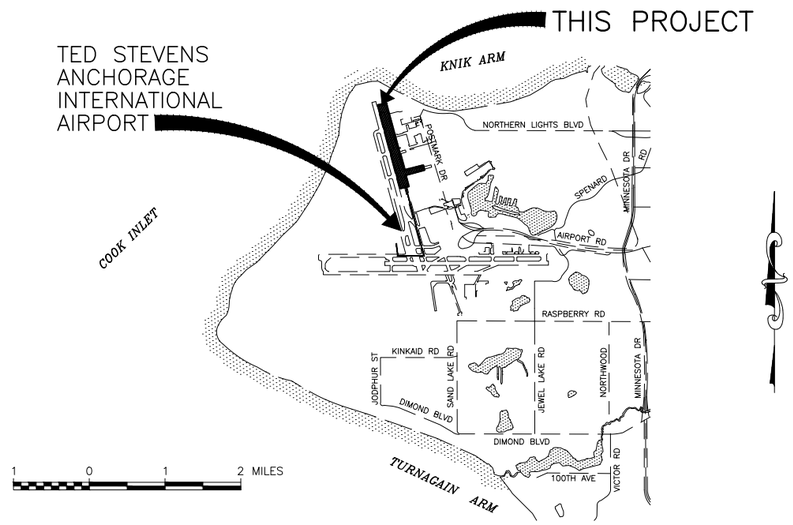


ALASKA CENTRAL REGION LOCATION MAP

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-8), ALASKA

CONSTRUCTION PLANS

TED STEVENS ANCHORAGE INTERNATIONAL AIRPORT

ANCHORAGE, ALASKA

ANC TAXIWAY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIRPORT IMPROVEMENT PROGRAM
No. 3-02-0016-XXX-2024

ANC SECURITY FENCE IMPROVEMENTS 2023
PROJECT No. CFAPT00983
AIRPORT IMPROVEMENT PROGRAM
No. 3-02-0016-XXX-2024

PSE REVIEW
OCTOBER 2023

Preliminary

APPROVED	DATE
LUKE BOWLAND, P.E.	REGIONAL PRECONSTRUCTION ENGINEER
APPROVED	DATE
JENELLE R. BRINKMAN, P.E.	AVIATION DESIGN GROUP CHIEF
APPROVED	DATE
KIM SATTERFIELD, P.E.	PROJECT MANAGER
CONCUR	DATE
JOEL G. ST. AUBIN, P.E.	REGIONAL CONSTRUCTION ENGINEER

PLANS DEVELOPED BY:
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BY	DATE	REVISION

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ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TITLE, SIGNATURES, LOCATION MAP & VICINITY MAP

DATE: OCTOBER 2023

SHEET: 1 OF 49

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Drawn By: KY
Checked By: SB

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ALASKA STANDARD PLANS

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APPENDIX DRAWINGS

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CONSTRUCTION SAFETY AND PHASING PLAN	AC1 – AC12

ABBREVIATIONS

ACP	ALASKA CARGO PORT
AIP	AIRPORT IMPROVEMENT PROGRAM
ANC	ANCHORAGE INTERNATIONAL AIRPORT
AFM	AIRPORT FIELD MAINTENANCE
ATB	ASPHALT TREATED BASE
AST	ASPHALT SURFACE TREATMENT
ATCT	AIR TRAFFIC CONTROL TOWER
BC	BARE COPPER
BMPS	BEST MANAGEMENT PRACTICES
BOP	BEGINNING OF PROJECT
℄/CL	CENTERLINE
C	CONDUIT OR CHORD
CABC	CRUSHED AGGREGATE BASE COURSE
CCR	CONSTANT CURRENT REGULATOR
CIPP/CP	CURED IN PLACE PIPE
CN	CONCRETE
CMP	CORRUGATED METAL PIPE
CPEP	CORRUGATED POLYETHYLENE PIPE
CPM	CRITICAL PATH METHOD
CS	CONTINGENT SUM
CSPP	CONSTRUCTION SAFETY & PHASING PLAN
CY	CUBIC YARD
DIA, ø	DIAMETER
DIP	DUCTILE IRON PIPE
DOT&PF	DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES
EA	EACH
EMH	ELECTRICAL MANHOLE
EOL	END OF LOOP
EOP	END OF PROJECT / EDGE OF PAVEMENT
EOR	EDGE OF RAP
ESCP	EROSION AND SEDIMENT CONTROL PLAN
FAA	FEDERAL AVIATION ADMINISTRATION
FI	FIELD INLET
FT	FEET
FRP	FIBER REINFORCED PIPE
HDPE	HIGH DENSITY POLYETHYLENE
HH	HANDHOLE
HMA	HOT MIX ASPHALT
INT	INTERSECTION
INV	INVERT
KVA	KILO VOLT–AMP
kW	KILO–WATT
LF	LINEAR FOOT
LT	LEFT
LTS	LIGHTS
LS	LUMP SUM
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
NEC	NATIONAL ELECTRICAL CODE
NTS	NOT TO SCALE
OC	ON CENTER
OGS	OIL & GREIT SEPARATOR
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE
PFAS	PER– AND POLYFLUOROALKYL SUBSTANCES
PI	POINT OF INTERSECTION
PHDPE	PERFORATED HIGH DENSITY POLYETHYLENE
PRC	POINT OF REVERSE CURVE
PS&E	PLANS, SPECIFICATIONS, AND ESTIMATE
PT	POINT OF TANGENCY
PU	PER UNIT
R	RADIUS
RP	RADIUS POINT
RAP	RECYCLED ASPHALT PAVEMENT
RMC	RIGID METALLIC CONDUIT (GALVANIZED STEEL)
RON	REMAIN OVER NIGHT
RT	RIGHT
RD	ROAD
REHAB	REHABILITATION
REQ'D	REQUIRED
RSA	RUNWAY SAFETY AREA
RW	RUNWAY
SB	SUBDRAIN
SD	STORM DRAIN
SF	SQUARE FEET
SP	SLIPLINE
SY	SQUARE YARD
SWPPP	STORM WATER POLLUTION PREVENTION PLAN
STA	STATION
TL	TAXILANE
TOFA	TAXIWAY OBJECT FREE AREA
TP	TEST POINT
TSA	TAXIWAY SAFETY AREA
TW	TAXIWAY
TYP	TYPICAL
T–1(2)	TAXIWAY CIRCUIT NUMBER, LETTERS IN PARENTHESIS INDICATES CONDUCTORS INCLUDED (P=POWER FEED, R=RETURN, L=LOOP), NO PARENTHESIS INDICATES ONE POWER FEED CONDUCTOR ONLY
UON	UNLESS OTHERWISE NOTED
W	WATTS

TAXIWAY DESIGNATOR

LIGHT NAMING CONVENTION:

- TCX TAXIWAY CENTERLINE LIGHT
- TEX TAXIWAY EDGE LIGHT
- TRX REFURBISH LIGHT
- AX ADJUST LIGHT
- DCX DEMOLITION CENTERLINE LIGHT
- DEX DEMOLITION EDGE LIGHT

LIGHT COLORS AND DISTRIBUTIONS:

B	BLUE
Y	YELLOW
G	GREEN
R	RED
W	WHITE
BL	BLANK
BI	BI–DIRECTIONAL
UNI	UNI–DIRECTIONAL
OMNI	OMNI–DIRECTIONAL

STORM DRAIN STRUCTURE NAMING CONVENTION:

RS5

- 5 = STRUCTURE NUMBER
- S = S=STRUCTURE, N=END SECTION/OPEN ENDED, P=PIPE TERMINATES AT UNIDENTIFIED LOCATION
- R = TAXIWAY LOCATION

Preliminary

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CE-123959

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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
INDEX APPENDIX & ABBREVIATIONS

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LEGEND

DESCRIPTION	EXISTING	PROPOSED
AOA FENCE (WIRE STRAND)	xx xx xx	
AIRPORT PROPERTY BOUNDARY		
BOLLARD / REMOVABLE BOLLARD		
BUILDING		
CENTERLINE (RUNWAY/TAXIWAY)		
COMMUNICATION LINE (UNDERGROUND)	UCOM	
CONCRETE		
COMMUNICATION MANHOLE	C	
COMMUNICATION PEDESTAL	C	
CONTOURS	100	
CULVERT WITH END SECTIONS		
CURB AND GUTTER		
CUT LIMIT		
DETAIL CALLOUT		1 XXX
DITCH/SWALE		
DRY WELL	DW	
ELECTRICAL HANDHOLE	H	
ELECTRICAL LINE (UNDERGROUND)	UGE	
ELECTRICAL MANHOLE		
ELECTRICAL PEDESTAL		
FENCE (CHAIN LINK)	x x	
FIBER OPTIC PEDESTAL		
FLUSH CENTERLINE LIGHT, BI-DIRECTIONAL		
FLUSH CENTERLINE LIGHT, BI-DIRECTIONAL (ADJUST)		
FLUSH CENTERLINE LIGHT, OMNI-DIRECTIONAL		
FLUSH CENTERLINE LIGHT, SCHEDULED FOR DEMOLITION		
FLUSH EDGE LIGHT		
FLUSH EDGE LIGHT BASE		
FLUSH EDGE LIGHT BASE, SCHEDULED FOR DEMOLITON		
FLUSH CENTERLINE LIGHT, UNI-DIRECTIONAL /FLUSH RUNWAY TOUCHDOWN ZONE LIGHT		
FLUSH CENTERLINE LIGHT, UNI-DIRECTIONAL SCHEDULED FOR DEMOLITION		
FIRE HYDRANT		
FIBER OPTIC	UFO	
FILL LIMIT		
FUEL LINE (UNDERGROUND)	F F	
FUEL VALVE		
FUEL TANK/VAULT		

DESCRIPTION	EXISTING	PROPOSED
FUEL HYDRANT		
FUEL MANHOLE	F	
FUEL PEDESTAL		
FUEL EMERGENCY SHUT OFF	EMS	
GAS LINE	GAS GAS	
GAS MARKER	UG	
GAS VALVE		
GRAVEL EDGE/EDGE OF RAP		
GROUND ROD, 3/4"x10' TYPICAL		
GUARDRAIL		
HAND CLEARING		
HANDHOLE		
HAUL ROUTE		
JERSEY BARRIER		
IDENTIFICATION BUBBLE		ID
JUNCTION BOX TYPE 1		
LIGHT POLE		
LIGHTED SIGN		
MONITORING WELL	MW	
OBJECT FREE AREA	OFA	
PAINT STRIPE		
PAVEMENT/SHOULDER (EDGE)		
PIPE NUMBER		CP10
POINT NUMBER		100
RADIUS REFERENCE LINE		R=XX.X'
ROADWAYS (EDGE, GRAVEL)		
RUNWAY SAFETY AREA	RSA	
SANITARY SEWER LINE (UNDERGROUND)	SS SS	
SERIES LIGHTING CIRCUIT, TICK MARKS INDICATE NUMBER OF 5KV SERIES CONDUCTORS (1 SHOWN) IN DIRECT BURY CONDUIT. INCLUDE GROUND CONDUCTOR (NOT SHOWN). TICK MARKS NOT SHOWN ON SHORT SEGMENTS OR IN CONGESTED AREAS FOR CLARITY.		
SERIES LIGHTING CIRCUIT, TICK MARKS INDICATE NUMBER OF 5KV SERIES CONDUCTORS (2 SHOWN) IN HDPE CONCRETE ENCASED CONDUIT. INCLUDE GROUND CONDUCTOR (NOT SHOWN). TICK MARKS NOT SHOWN ON SHORT SEGMENTS OR IN CONGESTED AREAS FOR CLARITY.		

DESCRIPTION	EXISTING	PROPOSED
SEWER SEPTIC MANHOLE	SS	
SIGN POST/MARKER		
SLOPE WITH GRADE		
STORM DRAIN LINE	SD SD	SD SD
STORM DRAIN CATCH BASIN	CB	CB
STORM DRAIN CLEANOUT	CO	
STORM DRAIN MANHOLE	MH	MH
STORM DRAIN TOP INTAKE	FI	
SUBDRAIN LINE	SB SB	SB SB
SURFACE TEMPERATURE SENSOR	S	S
TAXIWAY EDGE LIGHT		
TAXIWAY EDGE LIGHT, SCHEDULED FOR DEMOLITION		
TAXIWAY OBJECT FREE AREA	TOFA	
TAXIWAY SAFETY AREA	TSA	
TELEPHONE MANHOLE	T	
TELEPHONE (UNDERGROUND)	T	
TELEPHONE PEDESTAL		
TELEPHONE MANHOLE	T	
TEMPORARY JUMPER CABLE		
TREE CANOPY		
UTILITY POLE		
WATER LINE (UNDERGROUND)	W	
WATER VALVE		
WIND CONE		

Preliminary

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STATE OF ALASKA 49TH
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BY	DATE	REVISION

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ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
LEGEND

DATE: OCTOBER 2023
SHEET: 3 OF 49

ESTIMATED QUANTITIES

No.	ITEM	UNIT	CFAPT00880	CFAPT00983	NON-AIP	TOTAL
D701.010.0012	CS PIPE, 12–INCH	LF	73	–	–	73
D701.010.0018	CS PIPE, 18–INCH	LF	–	79	–	79
D701.020.0018	CPE PIPE, 18–INCH	LF	30	–	–	30
D701.170.0018	CS PIPE END SECTION, 18–INCH	EACH	1	2	–	3
D701.170.0030	CS PIPE END SECTION, 30–INCH	EACH	1	–	–	1
D701.170.0036	CS PIPE END SECTION, 36–INCH	EACH	1	–	–	1
D701.330.0000	FR PIPE 30–INCH	LF	32	–	–	32
D703.010.0015	CIPP LINER, 15–INCH	LF	34	–	–	34
D703.010.0018	CIPP LINER, 18–INCH	LF	462	–	–	462
D703.010.0024	CIPP LINER, 24–INCH	LF	978	–	–	978
D703.010.0030	CIPP LINER, 30–INCH	LF	2,320	–	–	2,320
D703.010.0036	CIPP LINER, 36–INCH	LF	1,504	–	–	1,504
D704.010.0000	SLIPLINING 4–INCH PIPE	LF	2,419	–	–	2,419
D704.010.0000	SLIPLINING 6–INCH PIPE	LF	560	–	–	560
D751.010.0072	MANHOLE, TYPE II, 72–INCH	EACH	5	–	–	5
D751.100.0000	ADJUST MANHOLE	EACH	7	–	–	7
D751.150.0000	REPAIR MANHOLE	EACH	13	–	–	13
F162.010.0008	8–FEET CHAIN–LINK FENCE	LF	–	1,027	–	1,027
F162.040.0020	DOUBLE SWING GATE, 20–FEET WIDE	EACH	–	1	–	1
F162.190.0000	REMOVE FENCE	LF	–	960	–	960
G100.010.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
G135.010.0000	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
G135.020.0000	EXTRA THREE PERSON SURVEY PARTY	HOUR	40	10	–	50
G135.050.0000	CONTRACTOR FURNISHED ENGINEERING TOOLS	CS	ALL REQ'D	–	–	ALL REQ'D
G135.060.0000	CONTRACTOR FURNISHED COMPUTATIONS	LS	ALL REQ'D	–	–	ALL REQ'D
G150.020.0075	EQUIPMENT RENTAL, DOZER 75–HP MINIMUM	CS	ALL REQ'D	–	–	ALL REQ'D
G150.030.0000	EQUIPMENT RENTAL, VAC–TRUCK	CS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
G200.010.0000	CONTRACTOR QUALITY CONTROL PROGRAM	LS	ALL REQ'D	–	–	ALL REQ'D
G300.010.0000	CPM SCHEDULING	LS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
G700.010.0000	AIRPORT FLAGGER	CS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
G700.020.0000	AIRPORT PILOT CAR	HOUR	770	–	–	770
G705.010.0000	WATERING FOR DUST CONTROL	M–GAL	3,800	–	–	3,800
L108.010.2008	UNDERGROUND CABLE #8 AWG, COPPER, 5KV FAA TYPE C, L–824	LF	76,300	–	36,600	112,900
L108.030.0006	#6 BARE COPPER GROUND CONDUCTOR	LF	30,500	–	9,200	39,700
L108.070.0000	GROUND ROD	EACH	7	–	–	7
L108.080.0014	UNDERGROUND CABLE #14 AWG, 2–CONDUCTOR, COPPER, 600V, TYPE C "SOOW–A/SOOW"	LF	410	–	–	410
L108.180.0000	TEMPORARY JUMPER	LF	32,970	–	–	32,970
L110.080.1002	HDPE CONDUIT, 2–INCH	LF	6,678	–	641	7,319
L110.115.1002	PE CONDUIT, 2–INCH, CONCRETE ENCASED	LF	10,360	–	–	10,360
L125.020.0010	REGULATOR, L–829	EACH	4	–	–	4
L125.040.0000	TAXIWAY EDGE LIGHT, L–861T	EACH	78	–	9	87
L125.060.0000	PRIMARY HANDHOLE, L–868, SIZE B	EACH	116	–	–	116
L125.070.0000	REMOVE RUNWAY AND TAXIWAY LIGHT	EACH	179	–	433	612
L125.095.0000	FLUSH TAXIWAY LIGHT, L–852C, L–852D, L–852F, L–852G, L–852K, OR L–852T	EACH	85	–	–	85
L125.150.0000	HANDHOLE, L–867, SIZE B	EACH	2	–	–	2
L125.170.0000	SPARE PARTS	CS	ALL REQ'D	–	–	ALL REQ'D
L125.210.0000	ADJUST RUNWAY AND TAXIWAY LIGHT	EACH	9	–	–	9
L125.500.0000	MISCELLANEOUS AIRPORT ELECTRICAL WORK	CS	ALL REQ'D	–	ALL REQ'D	ALL REQ'D
L125.600.0010	REFURBISH TAXIWAY EDGE LIGHT, L–861T	EACH	–	–	89	89
L125.600.0040	REFURBISH FLUSH TAXIWAY LIGHT, L–852C, L–852D, L–852F, L–852G, L–852K, OR L–852T	EACH	1	–	331	332
L130.010.0000	SURFACE SENSOR SYSTEM	LS	ALL REQ'D	–	–	ALL REQ'D
P151.040.0000	CLEARING & GRUBBING	LS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
P151.060.0000	HAND CLEARING	LS	–	ALL REQ'D	–	ALL REQ'D
P152.010.0000	UNCLASSIFIED EXCAVATION	CY	17,132	–	140	17,272

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ESTIMATED QUANTITIES

No.	ITEM	UNIT	CFAPT00880	CFAPT00983	NON-AIP	TOTAL
P152.440.0000	AREA GRADING	SY	–	2,730	–	2,730
P154.020.0000	SUBBASE COURSE	TON	520	3,990	–	4,510
P161.020.0000	RECYCLED ASPHALT PAVEMENT	CY	40	–	–	40
P165.010.0000	REMOVAL OF STRUCTURES	LS	ALL REQ'D	–	–	ALL REQ'D
P170.020.0000	SOIL TESTING PROGRAM	CS	–	–	ALL REQ'D	ALL REQ'D
P170.040.0000	SUPPLEMENTAL LABORATORY TEST	CS	–	–	ALL REQ'D	ALL REQ'D
P170.080.0000	"HOT" MATERIAL OFFSITE TRANSPORTATION AND DISPOSAL	CS	–	–	ALL REQ'D	ALL REQ'D
P171.010.0000	TEMPORARY CONTAMINATED SOIL STOCKPILE	CS	–	–	ALL REQ'D	ALL REQ'D
P209.020.0000	CRUSHED AGGREGATE BASE COURSE	TON	250	–	–	250
P401.010.0065	HOT MIX ASPHALT TYPE V, CLASS S	TON	32,800	–	280	33,080
P401.040.5834	ASPHALT BINDER, PG 58–34E	TON	1,800	–	20	1,820
P401.090.0000	ASPHALT MATERIAL PRICE ADJUSMENT	CS	ALL REQ'D	–	ALL REQ'D	ALL REQ'D
P401.130.0000	HMA COMBINED PRICE ADJUSTMENT	CS	ALL REQ'D	–	ALL REQ'D	ALL REQ'D
P411.010.0000	INTELLIGENT COMPACTION FOR ASPHALT MIX PAVEMENTS	LS	ALL REQ'D	–	–	ALL REQ'D
P603.010.0010	TACK COAT, STE–1	TON	80	–	1	81
P608.210.0000	ASPHALT SURFACE TREATMENT, RAPID CURE	SY	–	–	15,500	15,500
P610.035.0000	CURB AND GUTTER, TYPE 1	LF	20	–	–	20
P620.010.0000	RUNWAY AND TAXIWAY PAINTING	SF	34,140	–	–	34,140
P620.050.0000	PAINTED MARKING REMOVAL	SF	6,690	–	–	6,690
P620.075.0000	TEMPORARY RUNWAY & TAXIWAY PAINTING	SF	1,820	–	–	1,820
P641.010.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
P641.050.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL BY DIRECTIVE	CS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
P641.060.0000	WITHHOLDING	CS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
P641.070.0000	SWPPP MANAGER	LS	ALL REQ'D	ALL REQ'D	–	ALL REQ'D
P670.010.0000	HAZARD MARKER BARRIER, PLASTIC	EACH	210	–	–	210
P671.040.0000	TAXIWAY CLOSURE MARKER, VINYL	EACH	1	–	–	1
T901.020.0000	SEEDING	LBS	1,389	123	–	1,512
T905.010.0020	TOPSOILING, CLASS B	SY	30,560	2,730	–	33,290

ESTIMATING FACTORS

No.	ITEM	FACTOR
P154.020.0000	SUBBASE COURSE	2.00 TON/CY
P209.020.0000	CRUSHED AGGREGATE BASE COURSE	2.00 TON/CY
P401.010.0065	HOT MIX ASPHALT TYPE V, CLASS S	2.05 TON/CY
P401.040.5834	ASPHALT BINDER, PG 58–34E	5.5% OF P401.010.0065
P603.010.0010	TACK COAT, STE–1	0.8416 LB/SY
T901.020.0000	SEEDING	5 LB/1000 SF

Preliminary

STATE OF ALASKA 49TH
Robert W. Burdick
CE-123959
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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 TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
ESTIMATED QUANTITIES

DATE: OCTOBER 2023

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised: 10/26/2023 9:35 AM
Layout Name: 5
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Estimated Quantities.dwg

STORM DRAIN PIPE SUMMARY

SHEET	PIPE ID	SIZE (INCH)	EXISTING PIPE TYPE	PROPOSED PIPE TYPE	LENGTH (FT)	PAY ITEM													
						D701.010. 0012	D701.010. 0018	D701.020. 0018	D701.330. 0000	D703.010. 0015	D703.010. 0018	D703.010. 0024	D703.010. 0030	D703.010. 0036	D704.010. 0000	D704.010. 0000	INLET STRUCTURE	OUTLET STRUCTURE	INLET ELEVATION (FT)	OUTLET ELEVATION (FT)	SLOPE (%)
						CS PIPE 12–INCH	CS PIPE 18–INCH	CPE PIPE 18–INCH	FR PIPE 30–INCH	CIPP LINER 15–INCH	CIPP LINER 18–INCH	CIPP LINER 24–INCH	CIPP LINER 30–INCH	CIPP LINER 36–INCH	SLIPLINING 4–INCH PIPE	SLIPLINING 6–INCH PIPE					
29	C1	18	N/A	CMP	79.0		79.0										C1–IN	C1–OUT	147.40	145.00	3.04%
32	SP1	6	CMP	PHDPE	251.0										251.0		–	RS34			
	CP1	36	CMP	CIPP	345.6									345.6			RS30A	RS34	96.53	95.21	0.38%
	SP2	6	CMP	PHDPE	251.0										251.0		–	RS30A			
	CP2	36	CMP	CIPP	200.4									200.4			RS30	RS30A	97.24	96.63	0.30%
	SP3	6	CMP	PHDPE	251.0										251.0		–	RS26			
	CP3	36	CMP	CIPP	504.0									504.0			RS26	RS30	99.81	97.64	0.43%
32/33	CP4	36	CMP	CIPP	453.4									453.4			RS25	RS26	102.03	100.21	0.40%
33	CP5	30	CMP	CIPP	496.7								496.7				RS22	RS25	105.05	102.45	0.52%
	SP4	6	CMP	PHDPE	251.0										251.0		–	RS22			
	CP6	30	CMP	CIPP	600.1								600.1				RS19	RS22	109.45	105.15	0.72%
	SP5	8	CPEP	PHDPE	280.0											280.0	–	RS19			
	SP6	6	CMP	PHDPE	251.0										251.0		–	RS19			
33/34	CP7	30	CMP	CIPP	346.0								346.0				RS13A	RS19	112.31	109.55	0.80%
34	SP7	6	CMP	PHDPE	251.0										251.0		–	RS13A			
	CP8	30	CMP	CIPP	254.1								254.1				RS13	RS13A	114.33	112.41	0.76%
	SP8	8	CPEP	PHDPE	280.0											280.0	–	RS13			
	SP9	6	CMP	PHDPE	251.0										251.0		–	RS13			
	CP9	24	CMP	CIPP	400.4							400.4					RS12	RS13	117.74	114.73	0.75%
	CP10	24	CMP	CIPP	278.1							278.1					RS12A	RS12	119.09	118.14	0.34%
	CP11	24	CMP	CIPP	298.9							298.9					RS8	RS12A	120.70	119.19	0.51%
35	SP10	6	CMP	PHDPE	331.0										331.0		–	RS4			
	SP11	6	CMP	PHDPE	331.0										331.0		–	RP1			
36	P2	18	CPEP	CPEP	30.0			30.0									UN3	–	102.90	101.31	5.29%
	CP12	18	CMP	CIPP	79.2						79.2						UN3	US4	102.90	98.71	5.29%
	CP13	18	CMP	CIPP	382.3						382.3						US4	US5	98.57	94.29	1.12%
	CP14	30	CMP	CIPP	413.1								413.1				US5	US6	93.52	89.43	0.99%
	CP15	15	CMP	CIPP	33.1					33.1							US7	US6	91.66	90.65	3.05%
	CP16	30	CMP	CIPP	166.1								166.1				US6	US12	89.28	89.25	0.02%
	CP17	30	CMP	CIPP	43.6								43.6				US12	US13	89.03	86.93	4.82%
	P1	30	CMP	FRP	31.3				31.3								US13	UN14	86.77	86.64	0.41%
AC7	TC1	12	N/A	CMP	73.0	73.0											N/A	N/A	95.50	94.80	0.96%
					SUBTOTAL	73.0	79.0	30.0	31.3	33.1	461.5	977.3	2,319.7	1,503.3	2,419.0	560.0					
					ROUND	**73**	**79**	**30**	**32**	**34**	**462**	**978**	**2,320**	**1,504**	**2,419**	**560**					

Preliminary

Designed By: RB
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Checked By: SB

Date Revised: 10/26/2023 9:35 AM
Layout Name: 6
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STATE OF ALASKA 49TH Rich C. Bailey CE-130017 REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49TH Robert W. Burdick CE-123959 REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
SUMMARY TABLES

DATE: OCTOBER 2023

STORM DRAIN STRUCTURE SUMMARY

SHEET	STRUCTURE ID	TAXIWAY ALIGNMENT			PIPE ALIGNMENT		D701.170.0018	D701.170.0030	D701.170.0036	D751.010.0072	D751.100.0000	D751.150.0000	TOP OF CASTING ELEVATION (FT)	CASTING TYPE	REMARKS
		ALIGNMENT NAME	STATION	OFFSET (FT)	STATION	OFFSET (FT)	CS PIPE END SECTION 18–INCH	CS PIPE END SECTION 30–INCH	CS PIPE END SECTION 36–INCH	MANHOLE TYPE II 72–INCH	ADJUST MANHOLE	REPAIR MANHOLE			
19	TN11	TW R	408+62.4	161.5 RT	N/A	N/A			X				–	N/A	NEW CS END SECTION
29	C1–IN	TW R	444+32.6	221.3 RT	N/A	N/A	X						–	N/A	NEW CS END SECTION
	C1–OUT	TW R	445+11.4	228.2 RT	N/A	N/A	X						–	N/A	NEW CS END SECTION
32	RS34	TW R	382+47.0	218.5 LT	12+00.00	CL					X	X	103.71	SD FIELD INLET	REPAIR PIPE CONNECTION (2), REPLACE LADDER RUNGS (3)
	RS30A	TW R	385+92.6	218.7 LT	15+45.58	CL				X			109.72	SD FIELD INLET	NEW TYPE II MANHOLE
	RS30	TW R	387+93.0	218.8 LT	17+46.00	CL						X	107.14	SD FIELD INLET	PATCH DAMAGED CONCRETE IN BASE, REPLACE LADDER RUNGS (4)
	RS26	TW R	392+97.0	218.0 LT	22+49.96	CL					X	X	108.21	SD FIELD INLET	REPAIR PIPE CONNECTION (1), REPLACE LADDER RUNGS (4)
33	RS25	TW R	397+50.3	217.8 LT	27+03.33	CL						X	110.24	SD FIELD INLET	REPLACE LADDER RUNGS (8), PATCH DAMAGE CONCRETE IN BASE
	RS22	TW R	402+47.1	219.3 LT	32+00.06	CL					X	X	112.45	SD FIELD INLET	REPAIR PIPE CONNECTION (1), REPLACE LADDER RUNGS (3)
	RS19	TW R	408+47.1	218.5 LT	38+00.11	CL					X	X	116.75	SD FIELD INLET	REPAIR PIPE CONNECTION (1), REPLACE LADDER RUNGS (3)
34	RS13A	TW R	411+93.1	218.6 LT	41+46.13	CL				X			124.80	SD FIELD INLET	NEW TYPE II MANHOLE
	RS13	TW R	414+47.3	218.7 LT	44+00.27	CL					X	X	121.63	SD FIELD INLET	REPAIR PIPE CONNECTION (1), REPLACE LADDER RUNGS (3)
	RS12	TW R	418+47.6	221.4 LT	48+00.62	CL						X	125.14	SD FIELD INLET	REPAIR PIPE CONNECTION (1), REPLACE LADDER RUNGS (6)
	RS12A	TW R	421+20.1	277.1 LT	50+78.72	CL						X	131.09	SD MANHOLE	REPAIR PIPE CONNECTION (1)
	RS8	TW R	424+18.1	299.7 LT	53+77.61	CL							130.10	SD FIELD INLET	EXISTING FIELD INLET
35	RS7	TW R	425+96.9	299.0 LT	55+56.35	CL						X	128.61	SD FIELD INLET	REPAIR PIPE CONNECTION (3)
	RS4	TW R	429+91.3	299.8 LT	59+50.80	CL						X	131.21	SD FIELD INLET	REPAIR PIPE CONNECTION (2)
	RP1	TW R	435+31.5	299.5 LT	64+90.99	CL						X	135.91	SD FIELD INLET	REPAIR PIPE CONNECTION (1)
36	UN3	TL U	82+70.1	213.1 LT	66+49.79	CL	X						–	N/A	NEW CS END SECTION
	US4	TL U	82+70.0	133.9 LT	67+29.03	CL					X		107.44	SD CATCH BASIN	EXISTING CATCH BASIN
	US5	TL U	86+52.3	135.4 LT	71+11.31	CL					X		99.33	SD CATCH BASIN	EXISTING CATCH BASIN
	US6	TL U	90+65.3	136.1 LT	75+24.38	CL				X			95.67	SD MANHOLE	NEW TYPE II MANHOLE
	US7	TL U	90+65.6	103.0 LT	78+85.03	CL						X	94.63	SD CATCH BASIN	REPAIR PIPE CONNECTION (1)
	US12	TL U	92+31.4	136.6 LT	76+90.49	CL				X			93.86	SD MANHOLE	NEW TYPE II MANHOLE
	US13	TL U	92+75.0	134.8 LT	77+34.04	CL				X			91.89	SD MANHOLE	NEW TYPE II MANHOLE
	UN14	TL U	93+06.3	134.0 LT	77+65.38	CL		X					–	N/A	NEW CS END SECTION
						TOTAL	**3**	**1**	**1**	**5**	**7**	**13**			

P165.010.0000

REMOVAL OF STRUCTURES

SHEET	DEMO WORK ITEM ID	STRUCTURE ID	BEGIN		END		REMARKS
			STATION	OFFSET (FT)	STATION	OFFSET (FT)	
9	5		82+70.07	183.10 LT	82+70.07	213.11 LT	REMOVE STORM DRAIN PIPE (18" DIA 30 LF)
	6	UN3	82+70.07	213.11 LT			REMOVE 18" STORM DRAIN END SECTION
10	6	TN11	408+62.42	161.45 RT			REMOVE 36" STORM DRAIN END SECTION
12	7		426+66.45	210.72 RT			REMOVE & RESET LIGHT POLE
	7		427+73.04	209.66 RT			REMOVE & RESET LIGHT POLE
14	5		92+74.95	134.80 LT	93+06.53	133.7 LT	REMOVE STORM DRAIN PIPE (30" DIA 32 LF)
	6	UN14	93+06.53	133.73 LT			REMOVE 30" STORM DRAIN END SECTION
	13	US6	90+65.32	136.14 LT			REMOVE STORM DRAIN MANHOLE
	13	US12	92+31.43	136.59 LT			REMOVE STORM DRAIN MANHOLE
	13	US13	92+74.95	134.80 LT			REMOVE STORM DRAIN MANHOLE
	14		90+69.16	126.15 LT	90+71.05	146.2 LT	REMOVE CURB (20 LF)

Preliminary

STATE OF ALASKA 49TH — Rich C. Bailey CE-130017 — REGISTERED PROFESSIONAL ENGINEER

STATE OF ALASKA 49TH — Robert W. Burdick CE-123959 — REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562–3252
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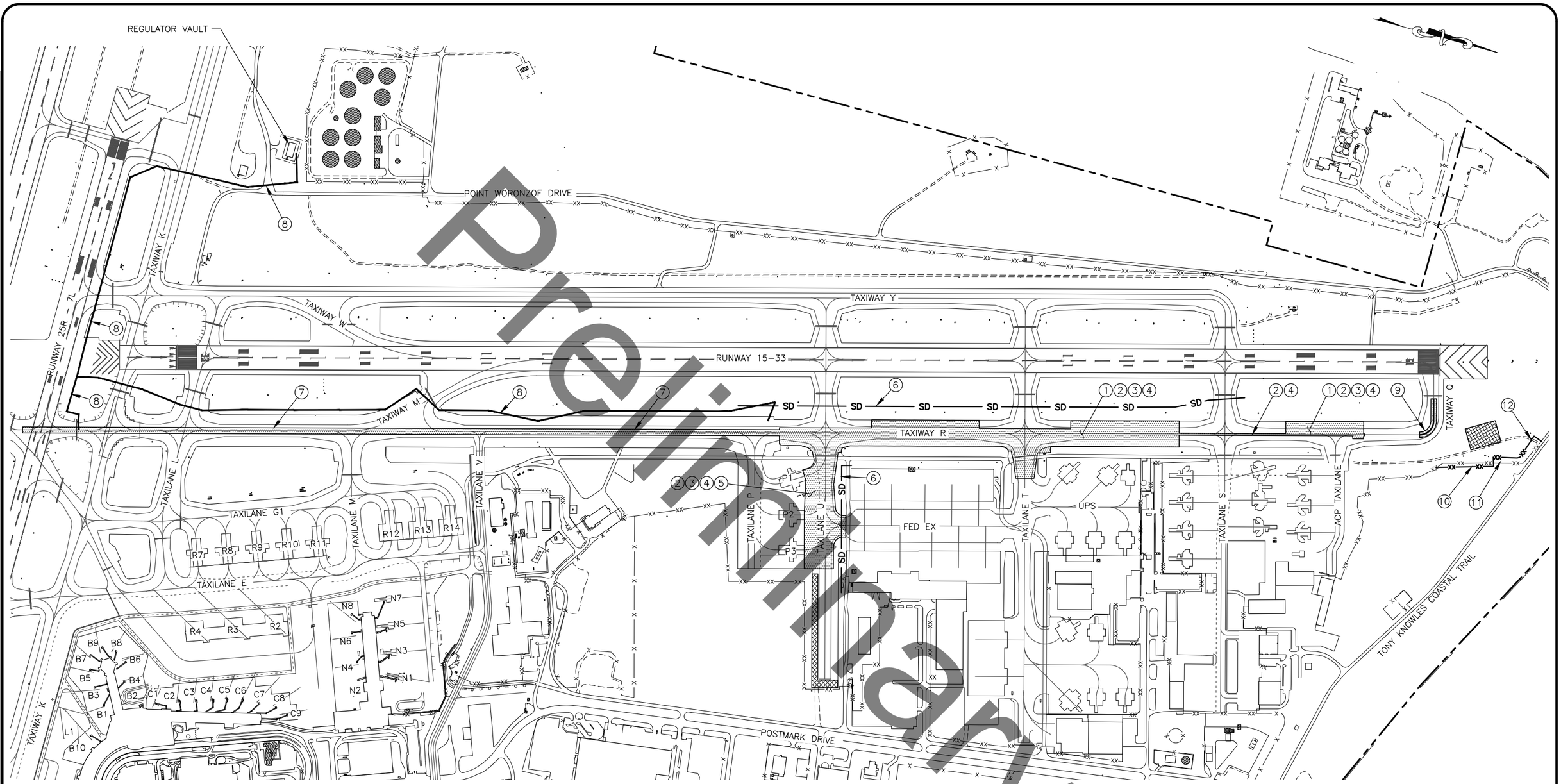
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
SUMMARY TABLES

DATE: OCTOBER 2023

SHEET: 7 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised: 10/23/2023 9:58 AM
Layout Name: 7
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Summary Tables.dwg



Preliminary

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

1. COLD PLANE & OVERLAY TAXIWAY R.
2. REPLACE CENTERLINE LIGHTS.
3. REPLACE EDGE LIGHTS.
4. REPLACE TAXIWAY/TAXILANE MARKINGS.
5. COLD PLANE & OVERLAY TAXILANE U.
6. REHABILITATE STORM DRAIN SYSTEM.
7. REPLACE CENTERLINE LIGHTS (FIXTURES ONLY).
8. REMOVE & REPLACE EXISTING HOMERUN CIRCUITS.
9. COLD PLANE & OVERLAY TAXIWAY Q.
10. REPLACE SECURITY FENCE.
11. REGRADE DITCH & INSTALL CULVERT.
12. REMOVE AND REPLACE ACCESS GATE N56.

LEGEND

- PROJECT LIMITS
- STAGING AREA

GENERAL NOTES

1. SEE SHEET AC1 FOR HAUL ROUTE INFORMATION.
2. SHARE ACCESS WITH CONTRACTORS WORKING ON OTHER AIRPORT CONSTRUCTION PROJECTS AS DIRECTED BY THE ENGINEER.
3. PROJECT COORDINATE SYSTEM AND STATIONING SHOWN IN THESE PLANS SHALL BE MAINTAINED THROUGHOUT THE PROJECT AND UTILIZED IN THE PROJECT AS-BUILTS.

400' 200' 0 400' 800'

STATE OF ALASKA
49TH
Robert W. Burdick
CE-123959
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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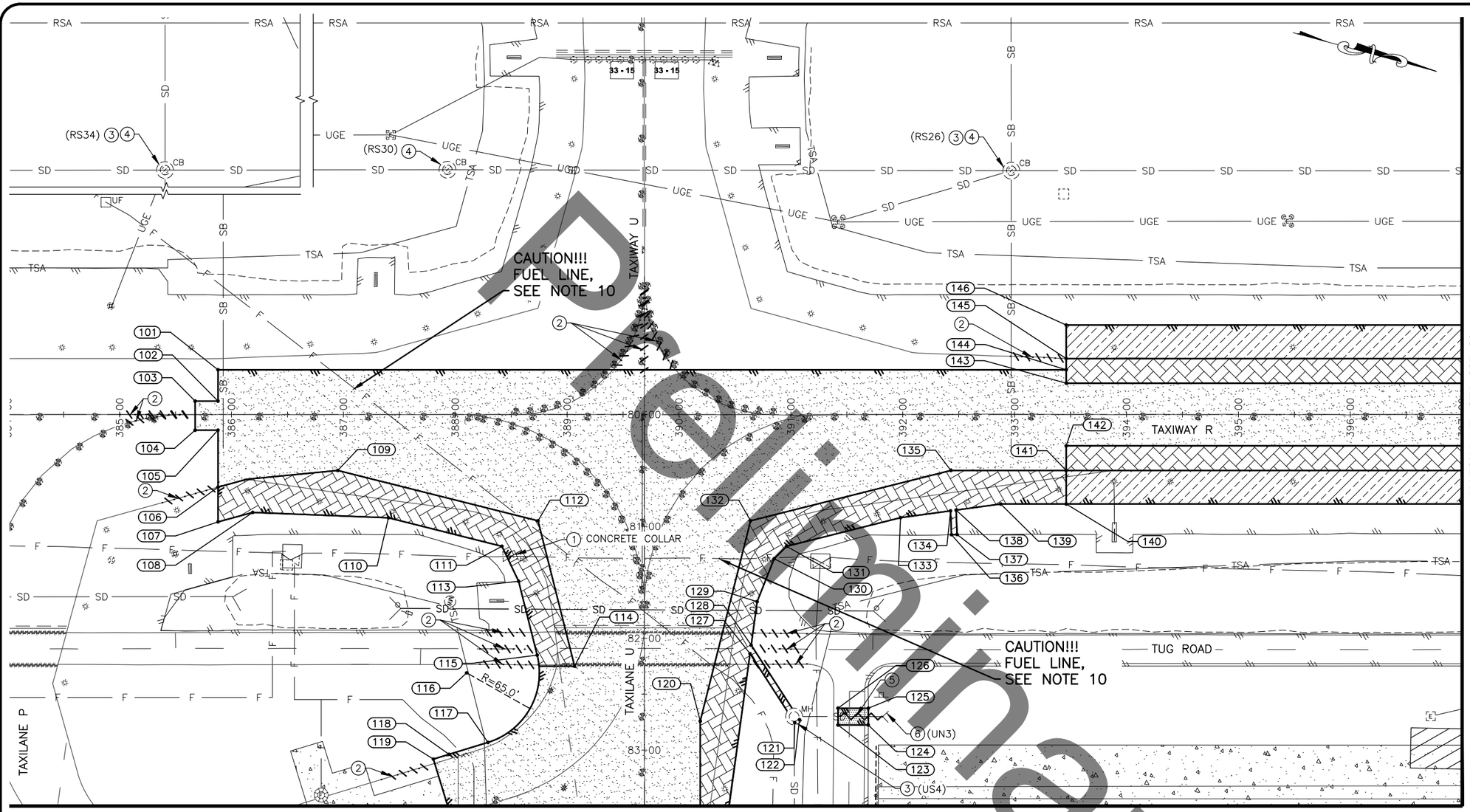
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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
PROJECT LAYOUT PLAN

DATE: OCTOBER 2023

SHEET: 8 OF 49

Designed By: RB
Drawn By: KY
Checked By: SB

Date Revised: 10/20/2023 10:35 AM
Layout Name: 8
File Path and Name: J:\JobsData\30125.00 Anc. Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Project Layout Plan.dwg



MATCH LINE - STA. 397+00
SEE SHEET - 10

MATCH LINE - STA. 83+50
SEE SHEET - 14

50' 25' 0 50' 100'

DEMO PLAN SCHEDULE

POINT	STATION	OFFSET (FT)	REMARKS
101	385+87.94	40.00 LT	PI
102	385+87.94	12.00 LT	PI
103	385+67.47	12.00 LT	PI
104	385+67.50	14.00 RT	PI
105	385+87.94	14.00 RT	PI
106	385+87.94	64.92 RT	PI
107	385+87.94	96.01 RT	PI
108	386+18.99	87.53 RT	PI
109	386+94.97	50.00 RT	PI
110	387+40.30	92.33 RT	PI
111	388+41.72	117.83 RT	PI
112	388+73.97	95.00 RT	PI
113	388+56.63	149.05 RT	PI
114	389+06.66	225.00 RT	PI
115	388+73.23	215.10 RT	PC
116	388+10.20	230.95 RT	RP, R=65.0'
117	388+29.24	293.10 RT	PT
118	387+94.42	303.77 RT	PI
119	387+80.46	308.04 RT	PI
120	390+18.98	274.00 RT	PI
121	391+03.46	275.53 RT	PI
122	391+07.66	272.81 RT	PI
123	391+42.08	277.52 RT	PI
124	391+69.14	277.55 RT	PI
125	391+69.25	262.55 RT	PI
126	391+42.09	262.52 RT	PI
127	390+63.50	213.77 RT	PI
128	390+64.53	206.17 RT	PI
129	390+69.83	167.31 RT	PI
130	390+85.05	128.92 RT	PI
131	390+96.14	117.85 RT	PI
132	390+63.97	95.00 RT	PI
133	391+98.03	92.23 RT	PI
134	392+42.71	86.12 RT	PI
135	392+42.97	50.00 RT	PI
136	392+43.54	107.44 RT	PI
137	392+48.54	107.24 RT	PI
138	392+47.68	85.44 RT	PI
139	392+87.50	80.00 RT	PI
140	393+46.08	80.00 RT	PI
141	393+46.08	50.00 RT	PI
142	393+46.08	28.00 RT	PI
143	393+46.08	28.00 LT	PI
144	393+46.08	40.00 LT	PI
145	393+46.08	50.00 LT	PI
146	393+46.08	80.00 LT	PI

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SEE SHEETS 6–7 FOR WORK ITEM TABLES.
3. SEE SHEETS E7–E11 FOR ELECTRICAL DEMOLITION ITEMS (NOT SHOWN FOR CLARITY).
4. SEE SITE PLAN SHEETS 18–23 FOR PROPOSED REHABILITATION SECTIONS AND ASPHALT SURFACE TREATMENT LIMITS.
5. SEE GRADING PLAN SHEETS 24–29 FOR FINISHED GRADE ELEVATIONS.
6. SEE MARKING PLAN SHEETS 44–48 FOR PROPOSED MARKINGS AND LIMITS OF EXISTING MARKING REMOVAL.
7. 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 DEMO.
8. ALL JOINTS WITH EXISTING PAVEMENTS SHALL BE SAW CUT AND PROTECTED FROM DAMAGE.
9. PROTECT IN PLACE EXISTING CULVERTS & STORM DRAIN UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
10. ALL GROUND DISTURBING WORK WITHIN 10 FT OF THE FUEL LINE WILL REQUIRE A STAND–BY WATCH. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.

LEGEND:

- PAVEMENT COLD PLANE (6" HMA)
- PAVEMENT COLD PLANE (3" HMA)
- PAVEMENT COLD PLANE (1.5" HMA)
- EXCAVATION OF PAVEMENT
- PAVEMENT MARKING REMOVAL
- STORM DRAIN PIPE REMOVAL

DEMOLITION WORK THIS SHEET:

1. PROTECT IN PLACE
2. PAVEMENT MARKING REMOVAL
3. ADJUST MANHOLE
4. REPAIR MANHOLE
5. REMOVE STORM DRAIN PIPE
6. REMOVE END SECTION

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Robert W. Burdick CE-123959

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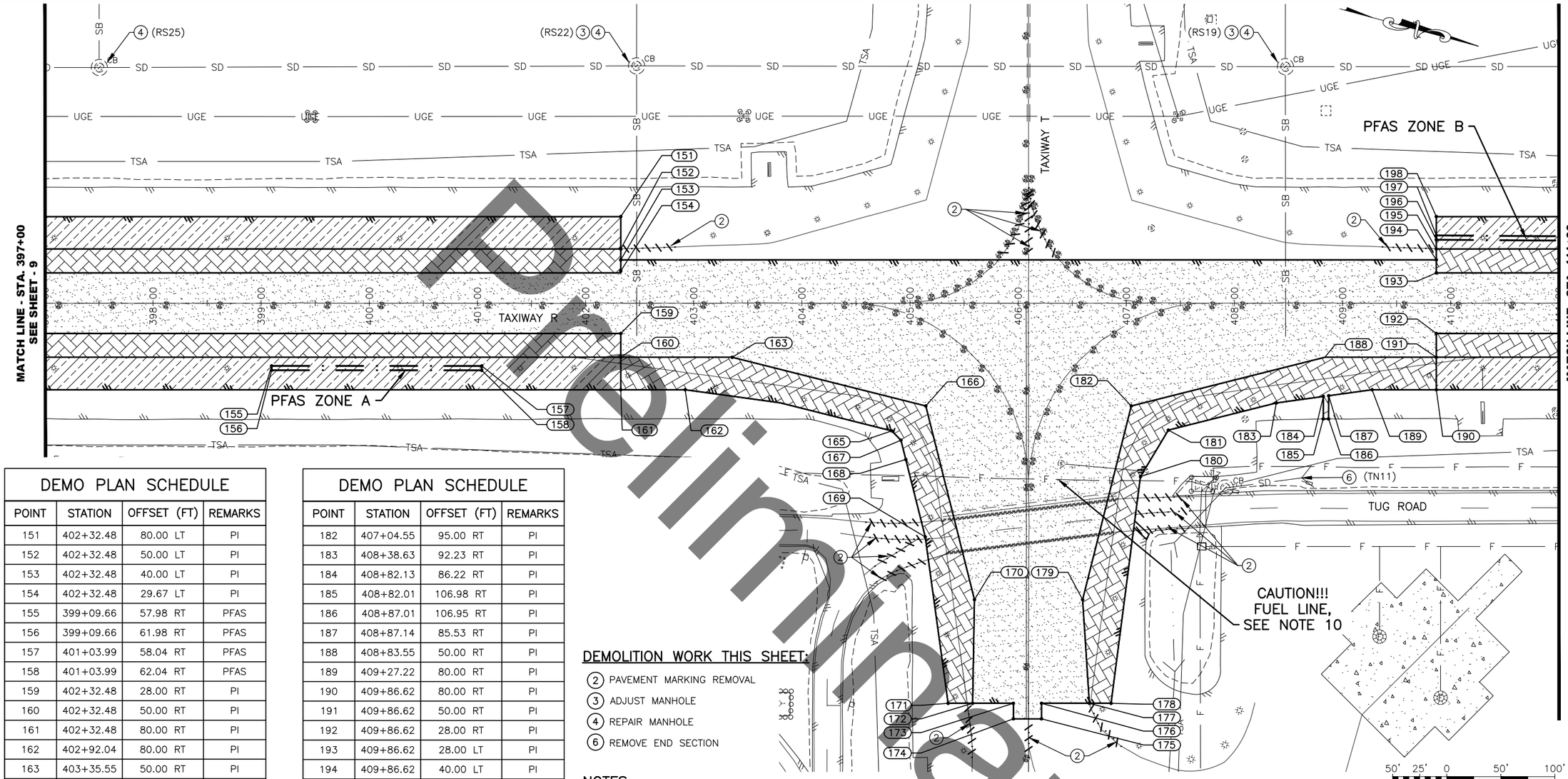
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TED STEVENS ANCHORAGE
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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
DEMOLITION PLAN
TW R BOP TO STA 397+00

DATE: OCTOBER 2023
SHEET: 9 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB
Date Revised:
Layout Name: 9
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Demolition.dwg 10/20/2023 10:25 AM

Preliminary



Preliminary

DEMO PLAN SCHEDULE			
POINT	STATION	OFFSET (FT)	REMARKS
151	402+32.48	80.00 LT	PI
152	402+32.48	50.00 LT	PI
153	402+32.48	40.00 LT	PI
154	402+32.48	29.67 LT	PI
155	399+09.66	57.98 RT	PFAS
156	399+09.66	61.98 RT	PFAS
157	401+03.99	58.04 RT	PFAS
158	401+03.99	62.04 RT	PFAS
159	402+32.48	28.00 RT	PI
160	402+32.48	50.00 RT	PI
161	402+32.48	80.00 RT	PI
162	402+92.04	80.00 RT	PI
163	403+35.55	50.00 RT	PI
165	404+83.11	118.03 RT	PI
166	405+14.55	95.00 RT	PI
167	404+91.58	126.67 RT	PI
168	404+96.05	144.46 RT	PI
169	405+14.03	215.98 RT	PI
170	405+59.55	274.00 RT	PI
171	405+35.18	369.80 RT	PI
172	405+57.85	369.80 RT	PI
173	405+95.55	369.80 RT	PI
174	405+95.55	384.13 RT	PI
175	406+21.55	384.13 RT	PI
176	406+21.55	369.80 RT	PI
177	406+65.79	369.80 RT	PI
178	406+85.86	369.80 RT	PI
179	406+59.55	274.00 RT	PI
180	407+13.03	160.25 RT	PI
181	407+38.85	117.31 RT	PI

DEMO PLAN SCHEDULE			
POINT	STATION	OFFSET (FT)	REMARKS
182	407+04.55	95.00 RT	PI
183	408+38.63	92.23 RT	PI
184	408+82.13	86.22 RT	PI
185	408+82.01	106.98 RT	PI
186	408+87.01	106.95 RT	PI
187	408+87.14	85.53 RT	PI
188	408+83.55	50.00 RT	PI
189	409+27.22	80.00 RT	PI
190	409+86.62	80.00 RT	PI
191	409+86.62	50.00 RT	PI
192	409+86.62	28.00 RT	PI
193	409+86.62	28.00 LT	PI
194	409+86.62	40.00 LT	PI
195	409+86.62	50.00 LT	PI
196	409+86.61	58.61 LT	PFAS
197	409+86.64	62.61 LT	PFAS
198	409+86.62	80.00 LT	PI

LEGEND:

- PAVEMENT COLD PLANE (6" HMA)
- PAVEMENT COLD PLANE (3" HMA)
- PAVEMENT COLD PLANE (1.5" HMA)
- PAVEMENT MARKING REMOVAL
- PFAS CONTAMINATION ZONE, SEE NOTES 11–13

DEMOLITION WORK THIS SHEET:

(2) PAVEMENT MARKING REMOVAL
(3) ADJUST MANHOLE
(4) REPAIR MANHOLE
(6) REMOVE END SECTION

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SEE SHEETS 6–7 FOR WORK ITEM TABLES.
3. SEE SHEETS E7–E11 FOR ELECTRICAL DEMOLITION ITEMS (NOT SHOWN FOR CLARITY).
4. SEE SITE PLAN SHEETS 18–23 FOR PROPOSED REHABILITATION SECTIONS AND ASPHALT SURFACE TREATMENT LIMITS.
5. SEE GRADING PLAN SHEETS 24–29 FOR FINISHED GRADE ELEVATIONS.
6. SEE MARKING PLAN SHEETS 44–48 FOR PROPOSED MARKINGS AND LIMITS OF EXISTING MARKING REMOVAL.
7. 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 DEMO.
8. ALL JOINTS WITH EXISTING PAVEMENTS SHALL BE SAW CUT AND PROTECTED FROM DAMAGE.
9. PROTECT IN PLACE EXISTING CULVERTS & STORM DRAIN UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
10. ALL GROUND DISTURBING WORK WITHIN 10 FT OF THE FUEL LINE WILL REQUIRE A STAND–BY WATCH. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11. REMOVE ALL ASPHALT PAVEMENTS WITHIN THE LIMITS OF EXCAVATION BEFORE EXCAVATING SUBSTRUCTURE TO AVOID MIXING OR CONTAMINATION WITH AGGREGATE LAYERS. AC PAVEMENT IN PFAS CONTAMINATED ZONES SHOWN ON THE PLANS IS NOT CONSIDERED CONTAMINATED AND CAN BE PROCESSED IN THE SAME MANNER AS THE OTHER AC PAVEMENT. SUBGRADE MATERIAL BELOW THE AC PAVEMENT IN THE PFAS CONTAMINATED ZONES MUST BE KEPT SEPARATED. IF THE SUBGRADE IS MIXED WITH AC PAVEMENT, ALL MATERIAL WILL BE CONSIDERED CONTAMINATED.
12. ALL MATERIAL BELOW THE EXISTING PAVEMENT SECTION WITH DESIGNATED PFAS CONTAMINATION ZONES MUST REMAIN ON SITE WITHIN THE PFAS CONTAMINATION ZONE IN WHICH THE MATERIAL IS LOCATED. PFAS MATERIAL MUST BE INCORPORATED BACK INTO THE ORIGINATING PFAS CONTAMINATION ZONE PRIOR TO PROJECT COMPLETION.
13. ALL PAVEMENT EXCAVATION AND NON–CONTAMINATED MATERIAL FROM OUTSIDE THE DESIGNATED PFAS CONTAMINATION ZONES THAT WILL NOT BE INCORPORATED INTO PERMANENT WORK SHALL BE DISPOSED OF BY THE CONTRACTOR PER GCP 70–11H. SOIL AND RAP MAY DISPOSED OF IN DISPOSAL AREAS SHOWN ON THE PLANS.

STATE OF ALASKA 49TH — Robert W. Burdick CE-123959 — REGISTERED PROFESSIONAL ENGINEER

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised: 10/20/2023 10:25 AM
Layout Name: 10
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Demolition.dwg

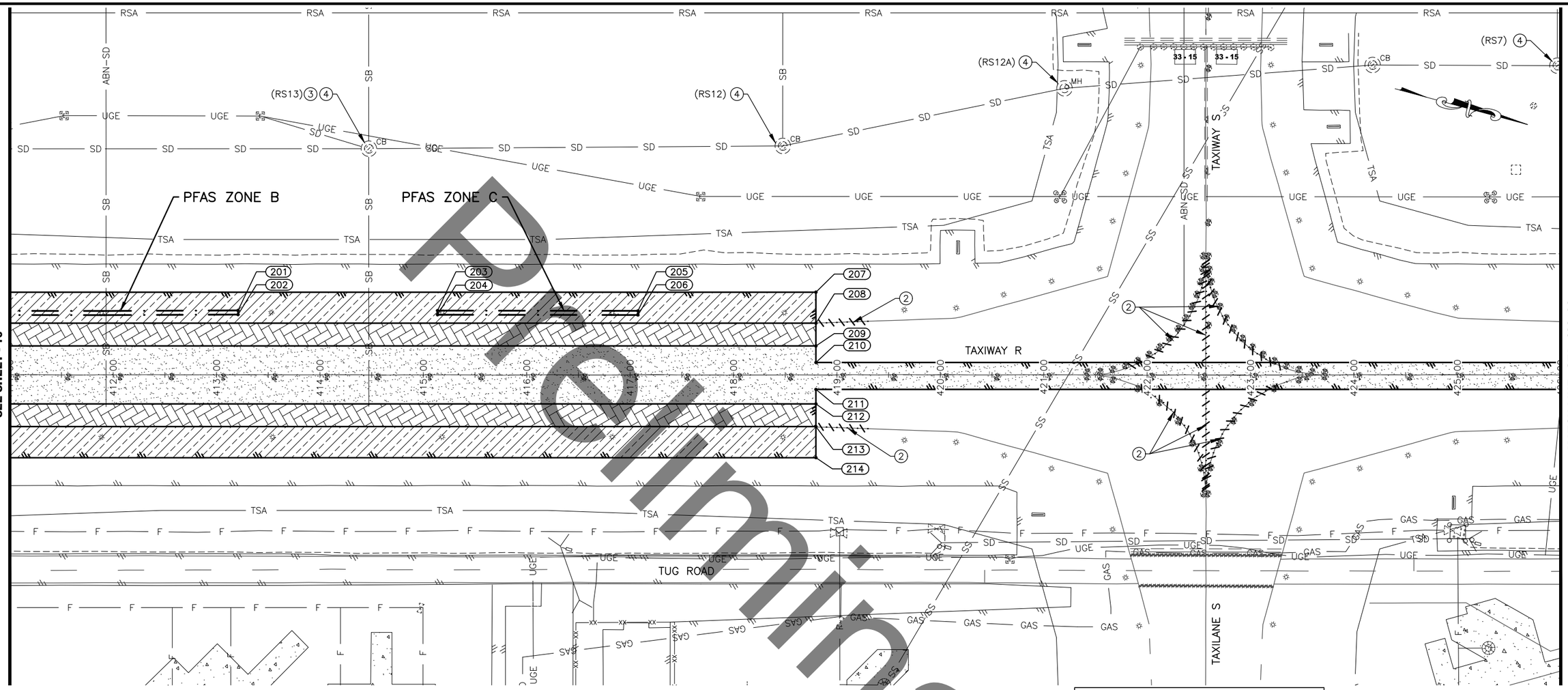
PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562–3252
#AECL882–AK

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 TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
DEMOLITION PLAN
TW R STA 397+00 TO STA 411+00

DATE: OCTOBER 2023
SHEET: 10 OF 49



Preliminary

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SEE SHEETS 6–7 FOR WORK ITEM TABLES.
3. SEE SHEETS E7–E11 FOR ELECTRICAL DEMOLITION ITEMS (NOT SHOWN FOR CLARITY).
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LEGEND:

- PAVEMENT COLD PLANE (6" HMA)
- PAVEMENT COLD PLANE (3" HMA)
- PAVEMENT COLD PLANE (1.5" HMA)
- PAVEMENT MARKING REMOVAL
- PFAS CONTAMINATION ZONE, SEE NOTES 10–12

DEMOLITION WORK THIS SHEET:

(2) PAVEMENT MARKING REMOVAL
(3) ADJUST MANHOLE
(4) REPAIR MANHOLE

DEMO PLAN SCHEDULE

POINT	STATION	OFFSET (FT)	REMARKS
201	413+20.76	62.36 LT	PFAS
202	413+20.77	58.36 LT	PFAS
203	415+13.68	62.19 LT	PFAS
204	415+13.68	58.19 LT	PFAS
205	417+07.58	61.93 LT	PFAS
206	417+07.58	57.93 LT	PFAS
207	418+79.68	80.00 LT	PI
208	418+79.68	50.00 LT	PI
209	418+79.68	28.00 LT	PI
210	418+79.68	12.00 LT	PI
211	418+79.68	14.00 RT	PI
212	418+79.68	28.00 RT	PI
213	418+79.68	50.00 RT	PI
214	418+79.68	80.00 RT	PI

50' 25' 0 50' 100'

STATE OF ALASKA ★ 49TH ★ Robert W. Burdick CE-123959 REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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ANCHORAGE, ALASKA 99503
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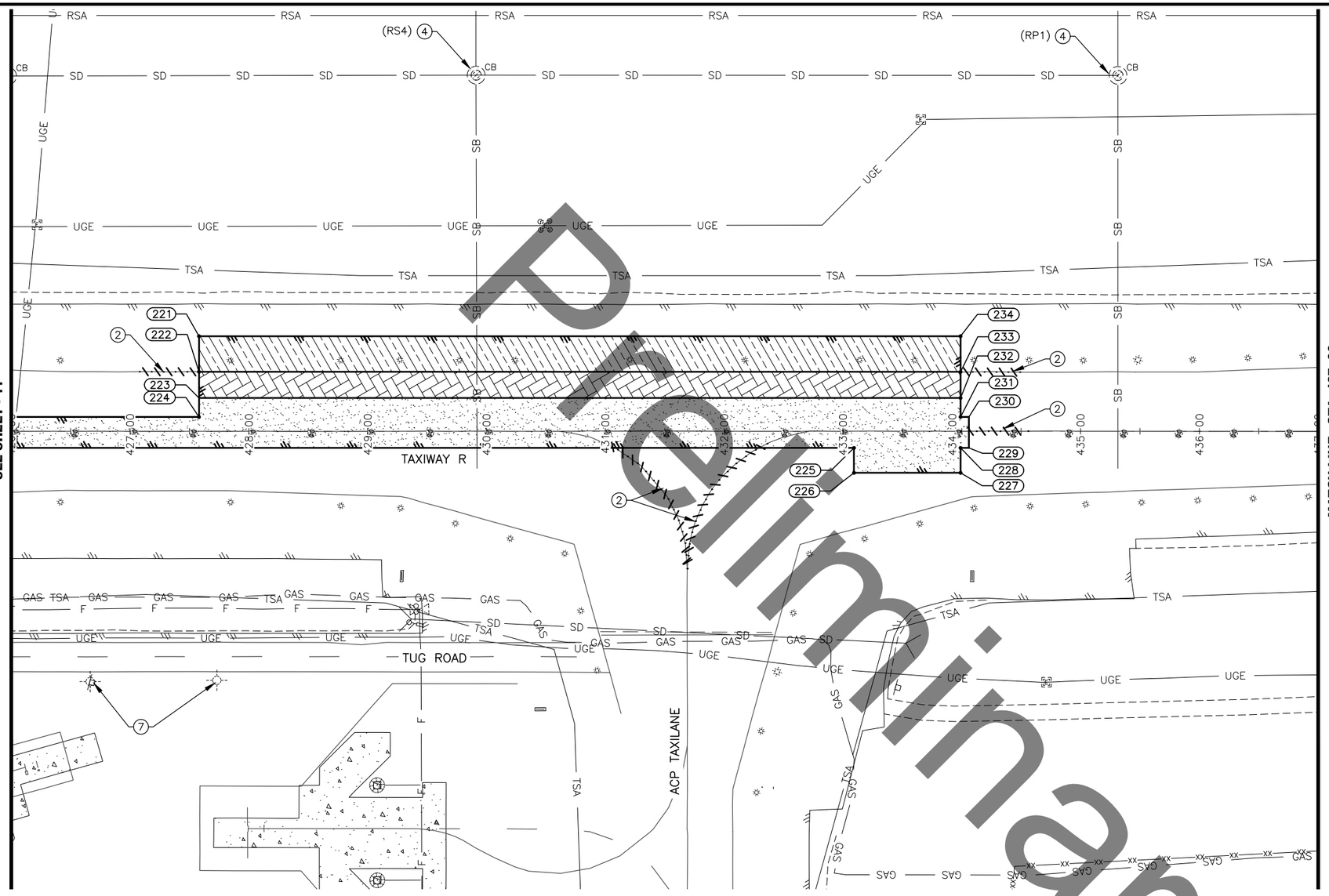
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CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
DEMOLITION PLAN
TW R STA 411+00 TO STA 426+00

DATE: OCTOBER 2023
SHEET: 11 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB
Date Revised:
Layout Name: 11
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Demolition.dwg
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Preliminary

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SEE SHEETS 6–7 FOR WORK ITEM TABLES.
3. SEE SHEETS E7–E11 FOR ELECTRICAL DEMOLITION ITEMS (NOT SHOWN FOR CLARITY).
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5. SEE GRADING PLAN SHEETS 24–29 FOR FINISHED GRADE ELEVATIONS.
6. SEE MARKING PLAN SHEETS 44–48 FOR PROPOSED MARKINGS AND LIMITS OF EXISTING MARKING REMOVAL.
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8. ALL JOINTS WITH EXISTING PAVEMENTS SHALL BE SAW CUT AND PROTECTED FROM DAMAGE.
9. PROTECT IN PLACE EXISTING CULVERTS & STORM DRAIN UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.

LEGEND:

- PAVEMENT COLD PLANE (6" HMA)
- PAVEMENT COLD PLANE (3" HMA)
- PAVEMENT COLD PLANE (1.5" HMA)
- PAVEMENT MARKING REMOVAL

DEMOLITION WORK THIS SHEET:

(2) PAVEMENT MARKING REMOVAL
(4) REPAIR MANHOLE
(7) REMOVE LIGHT & RESET LIGHT POLE (TAXILANE S DETOUR ROUTE, SEE SHEETS AC9–AC10)

DEMO PLAN SCHEDULE

POINT	STATION	OFFSET (FT)	REMARKS
221	427+58.00	80.00 LT	PI
222	427+58.00	50.00 LT	PI
223	427+58.00	28.00 LT	PI
224	427+58.00	12.00 LT	PI
225	433+09.29	14.00 RT	PI
226	433+09.29	35.00 RT	PI
227	433+99.00	35.00 RT	PI
228	433+99.00	14.00 RT	PI
229	434+06.00	14.00 RT	PI
230	434+06.00	12.00 LT	PI
231	433+99.00	12.00 LT	PI
232	433+99.00	28.00 LT	PI
233	433+99.00	50.00 LT	PI
234	433+99.00	80.00 LT	PI

STATE OF ALASKA 49TH
Robert W. Burdick CE-123959
REGISTERED PROFESSIONAL ENGINEER

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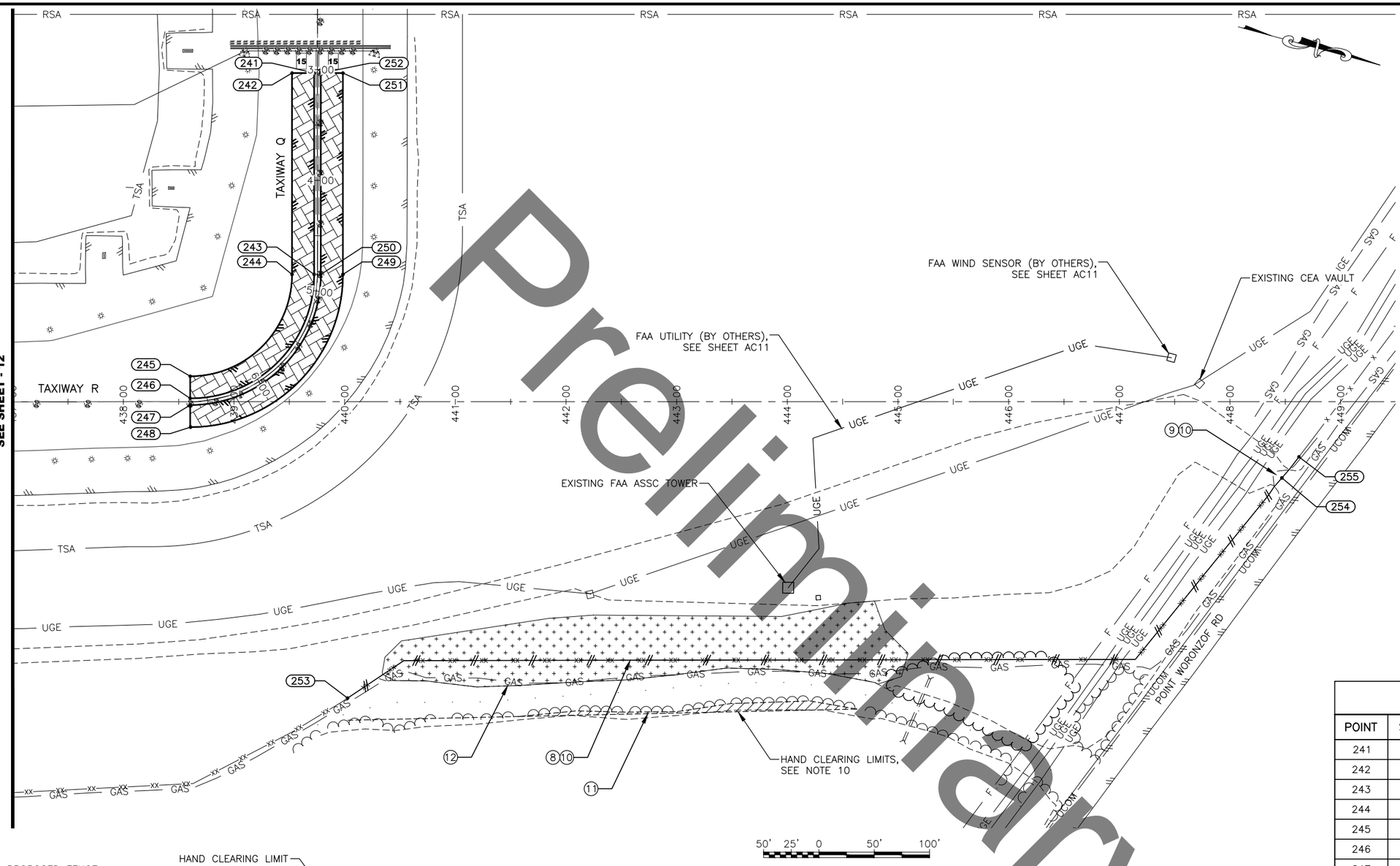
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
DEMOLITION PLAN
TW R STA 426+00 TO STA 437+00

DATE: OCTOBER 2023
SHEET: 12 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB
Date Revised:
Layout Name: 12
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 civil\00880-ANC-Demolition.dwg
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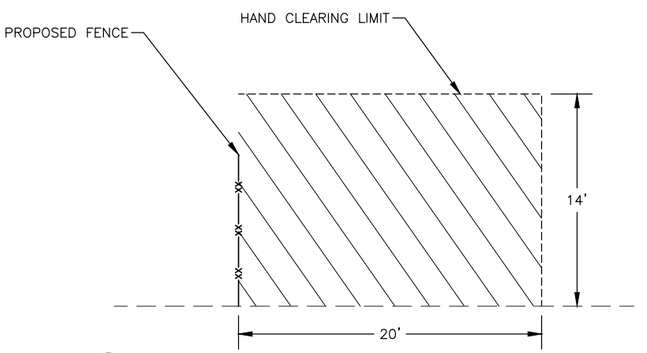
Preliminary

NOTES:

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3. SEE SHEETS E7–E11 FOR ELECTRICAL DEMOLITION ITEMS (NOT SHOWN FOR CLARITY).
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6. SEE MARKING PLAN SHEETS 44–48 FOR PROPOSED MARKINGS AND LIMITS OF EXISTING MARKING REMOVAL.
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8. ALL JOINTS WITH EXISTING PAVEMENTS SHALL BE SAW CUT AND PROTECTED FROM DAMAGE.
9. PROTECT IN PLACE EXISTING CULVERTS & STORM DRAIN UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
10. HAND CLEAR FROM EXISTING FENCE TO 20' BEYOND THE PROPOSED FENCE ALIGNMENT PER DETAIL 1, THIS SHEET.
11. HAND CLEARING LIMITS SHALL BE FLAGGED PRIOR TO BEGINNING WORK FOR REVIEW AND APPROVAL BY THE ENGINEER.
12. REMOVE AND RELOCATE EXISTING GATE SIGNS TO PROPOSED GATES. THIS WORK IS SUBSIDIARY TO F162.190.0000. SEE SHEET 42 FOR EXISTING GATE SIGNS TO BE RELOCATED.
13. REMOVE AND RELOCATE EXISTING FENCE SIGNS TO PROPOSED FENCE. THIS WORK IS SUBSIDIARY TO F162.190.0000. SEE SHEET 22 FOR PROPOSED LOCATIONS.
14. CONTRACTOR MUST NOTIFY THE ENGINEER FOR APPROVAL PRIOR TO OPENING FENCE. CONTRACTOR MUST REINSTALL ANY REMOVED FENCING FABRIC AND BARBED WIRE PRIOR TO ENDING DAILY WORK. CONTRACTOR MUST NOTIFY THE ENGINEER FOR APPROVAL PRIOR TO LEAVING AT THE END OF DAILY WORK. A SECURED AOA MUST BE MAINTAINED AT ALL TIMES.

DEMO PLAN SCHEDULE

POINT	STATION	OFFSET (FT)	REMARKS
241	3+03.00	3.00 RT	PI
242	3+03.00	23.00 RT	PI
243	4+84.99	3.00 RT	PT
244	4+84.99	23.00 RT	PT
245	6+65.63	23.00 RT	PC
246	6+65.63	3.00 RT	PC
247	6+65.63	3.00 LT	PC
248	6+65.39	23.00 LT	PC
249	4+84.99	23.00 LT	PT
250	4+84.99	3.00 LT	PT
251	3+03.00	23.00 LT	PI
252	3+03.00	3.00 LT	PI
253	440+02.61	267.87 RT	FENCE REMOVAL LIMIT
254	448+46.92	68.86 RT	REMOVE GATE N56 (NOTE 12)
255	448+62.29	49.85 RT	FENCE REMOVAL LIMTI



1/13 HAND CLEARING LIMITS DETAIL
SCALE: NTS

DEMOLITION WORK THIS SHEET:

(8) REMOVE FENCE
(9) REMOVE GATE
(10) RELOCATE SIGNS (5 FENCE SIGNS, 4 GATE SIGNS)
(11) HAND CLEARING
(12) CLEARING & GRUBBING

LEGEND:

PAVEMENT COLD PLANE (3" HMA)
APPROXIMATE HAND CLEARING LIMITS
APPROXIMATE CLEARING & GRUBBING LIMITS
FENCE REMOVAL LIMIT

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Robert W. Burdick CE-123959

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ANCHORAGE, ALASKA 99503
(907) 562–3252
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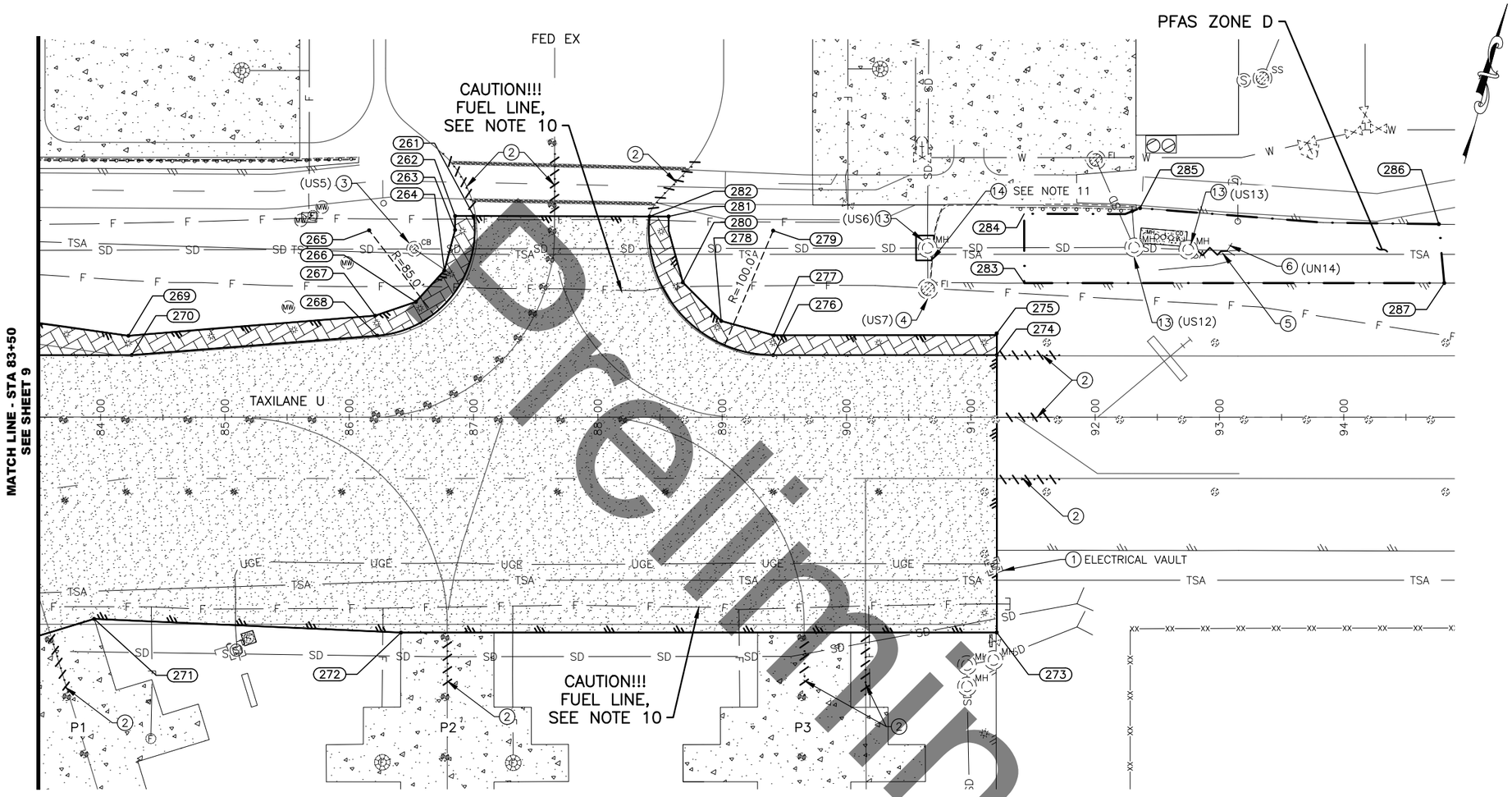
STATE OF ALASKA
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4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
DEMOLITION PLAN
TWY R STA 437+00 TO 449+00

DATE: OCTOBER 2023
SHEET: 13 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised: 10/20/2023 10:25 AM
Layout Name: 13
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Demolition.dwg



DEMO PLAN SCHEDULE			
POINT	STATION	OFFSET (FT)	REMARKS
261	87+00.23	161.80 LT	PC
262	86+85.17	161.84 LT	PT
263	86+85.17	150.62 LT	PI
264	86+76.57	118.02 LT	PI
265	86+16.01	150.36 LT	RP, R=85.0'
266	86+53.63	92.81 LT	PI
267	86+20.83	81.70 LT	PC
268	86+22.72	65.62 LT	PT
269	84+22.45	65.54 LT	PI
270	84+25.01	50.04 LT	PI
271	83+94.84	162.06 RT	PI
272	86+41.67	173.05 RT	PI
273	91+20.90	173.00 RT	PI
274	91+20.90	50.00 LT	PI
275	91+20.90	67.50 LT	PI
276	89+41.08	50.00 LT	PT
277	89+41.63	65.89 LT	PI
278	88+99.22	77.47 LT	PI
279	89+41.01	150.02 LT	RP, R=100.0'
280	88+68.41	108.39 LT	PI
281	88+56.91	161.46 LT	PI
282	88+41.67	161.49 LT	PC
283	91+43.00	107.94 LT	PFAS
284	91+42.99	163.65 LT	PFAS
285	92+36.16	168.16 LT	PFAS
286	94+76.49	155.32 LT	PFAS
287	94+80.88	107.93 LT	PFAS

NOTES:

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3. SEE SHEETS E7–E11 FOR ELECTRICAL DEMOLITION ITEMS (NOT SHOWN FOR CLARITY).
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9. PROTECT IN PLACE EXISTING CULVERTS & STORM DRAIN UNLESS OTHERWISE NOTED OR AS DIRECTED BY THE ENGINEER.
10. ALL GROUND DISTURBING WORK WITHIN 10 FT OF THE FUEL LINE WILL REQUIRE A STAND–BY WATCH. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
11. SEE SHEET 28 FOR LIMITS OF CURB & PAVEMENT REMOVAL.
12. REMOVE ALL ASPHALT PAVEMENTS WITHIN THE LIMITS OF EXCAVATION BEFORE EXCAVATING SUBSTRUCTURE TO AVOID MIXING OR CONTAMINATION WITH AGGREGATE LAYERS. AC PAVEMENT IN PFAS CONTAMINATED ZONES SHOWN ON THE PLANS IS NOT CONSIDERED CONTAMINATED AND CAN BE PROCESSED IN THE SAME MANNER AS THE OTHER AC PAVEMENT. SUBGRADE MATERIAL BELOW THE AC PAVEMENT IN THE PFAS CONTAMINATED ZONES MUST BE KEPT SEPARATED. IF THE SUBGRADE IS MIXED WITH AC PAVEMENT, ALL MATERIAL WILL BE CONSIDERED CONTAMINATED.
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LEGEND:

- PAVEMENT COLD PLANE (6" HMA)
- PAVEMENT COLD PLANE (3" HMA)
- PAVEMENT MARKING REMOVAL
- STORM DRAIN PIPE REMOVAL

DEMOLITION WORK THIS SHEET:

1. PROTECT IN PLACE
2. PAVEMENT MARKING REMOVAL
3. ADJUST MANHOLE
4. REPAIR MANHOLE
5. REMOVE STORM DRAIN PIPE
6. REMOVE END SECTION
13. REMOVE MANHOLE
14. REMOVE CURB

STATE OF ALASKA 49TH — Robert W. Burdick CE-123859 — REGISTERED PROFESSIONAL ENGINEER

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3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
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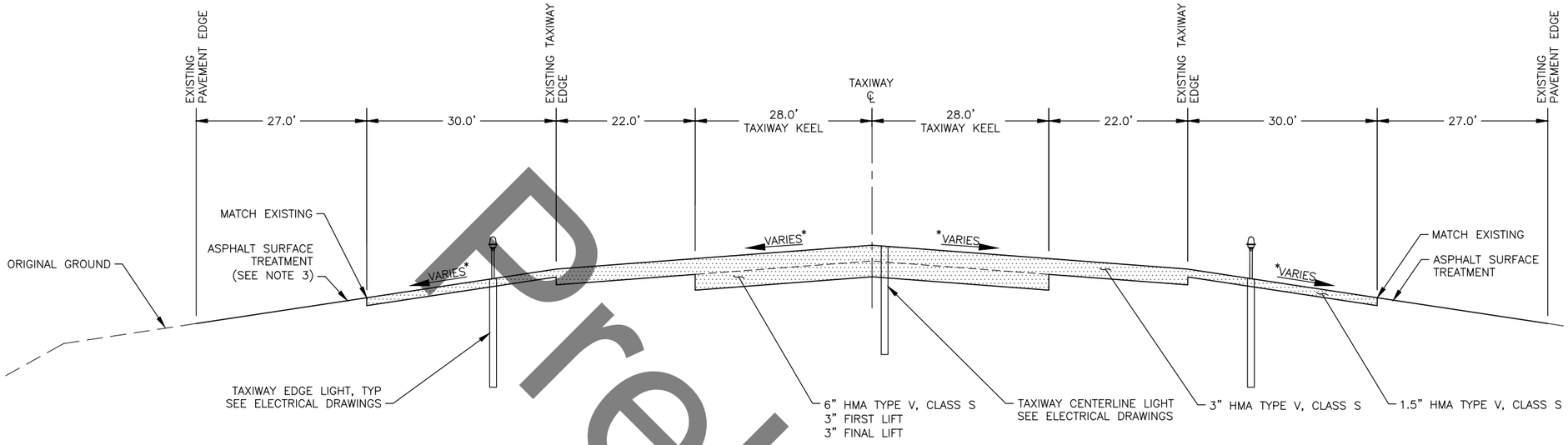
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
DEMOLITION PLAN
TL U STA 83+50 TO EOP

DATE: OCTOBER 2023
SHEET: 14 OF 49

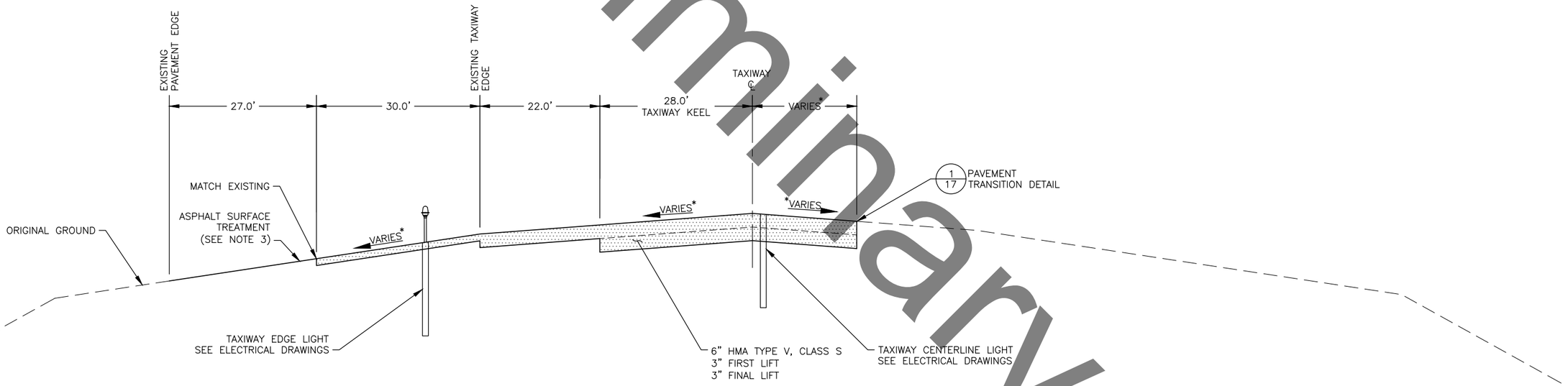
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Drawn By: RB
Checked By: SB
Date Revised:
Layout Name: 14
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Demolition.dwg
10/20/2023 10:25 AM



1/15 TAXIWAY R OVERLAY TYPICAL SECTION

SCALE: NTS

TW R STA 393+46.08 TO STA 403+32.48
TW R STA 409+86.62 TO STA 418+79.68



2/15 TAXIWAY R OVERLAY TYPICAL SECTION – PARTIAL WIDTH

SCALE: NTS

TW R STA 427+58.00 TO 433+99.00

*DIMENSIONS/SLOPE VARY, SEE SITE PLAN AND GRADING SHEETS

NOTES:

1. ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW AND PROTECTED FROM DAMAGE.
2. STE-1 TACK COAT REQUIRED ON ALL MILLED SURFACES, BETWEEN ALL PAVEMENT LIFTS, AND ON ALL TRANSVERSE JOINTS.
3. SEE SITE PLAN SHEETS 18-21 FOR ASPHALT SURFACE TREATMENT LAYOUT AND LIMITS.
4. TYPICAL SECTION STATION LIMITS ARE APPROXIMATE. SEE SITE PLAN FOR DIMENSIONS AND LAYOUT. ADJUST LIMITS AS DIRECTED BY THE ENGINEER.
5. THE KEEL REFERS TO THE CENTRAL PORTION OF THE TAXIWAY AS DIMENSIONED.

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Robert W. Burdick CE-123959

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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

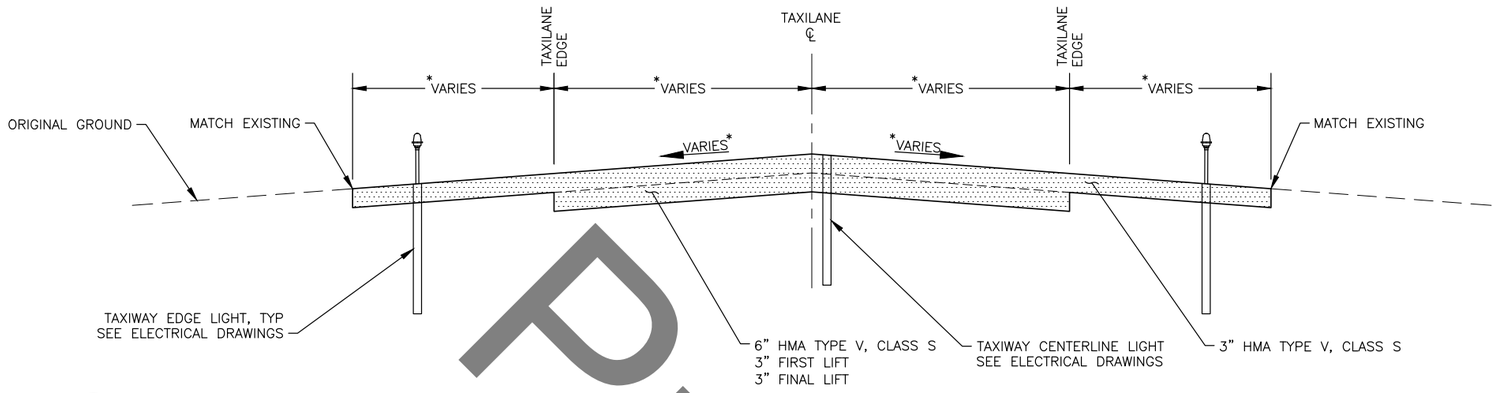
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TYPICAL SECTIONS

DATE: OCTOBER 2023
SHEET: 15 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised: 10/20/2023 10:23 AM
Layout Name: 15
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Typical Sections.dwg

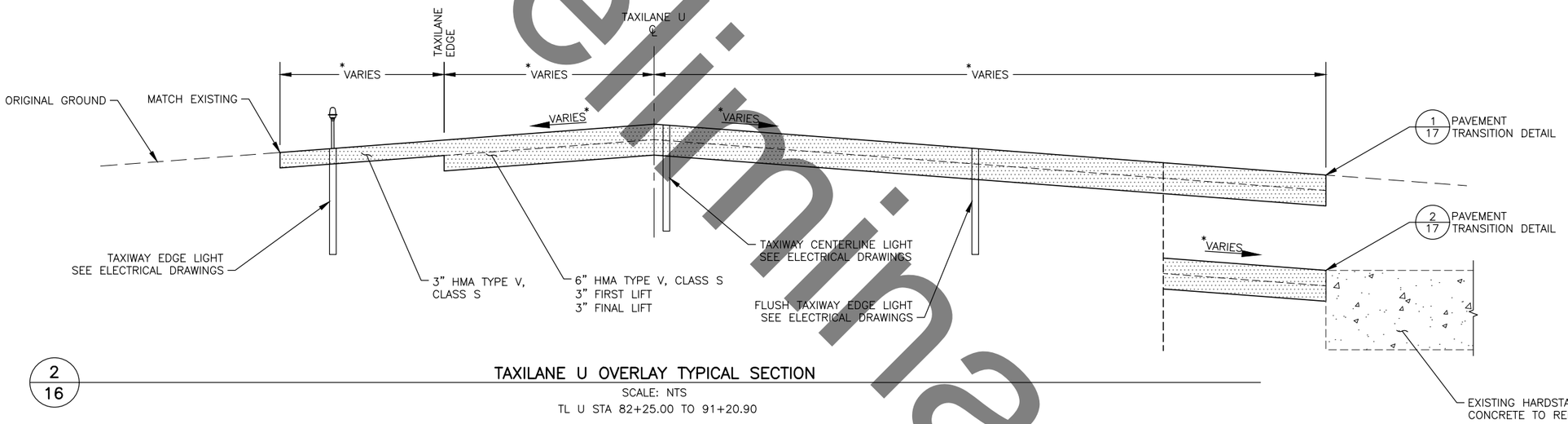
Preliminary



1/16 TAXILANE U & TAXILANE T INTERSECTION OVERLAY TYPICAL SECTION

SCALE: NTS

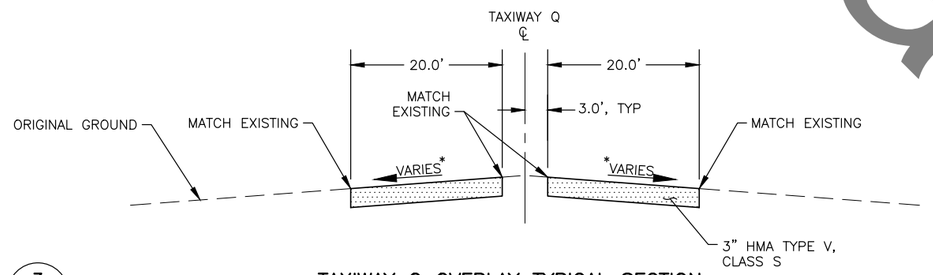
TL U STA 80+00.00 TO 82+25.00
TL T STA 667+25.20 TO 670+95.00



2/16 TAXILANE U OVERLAY TYPICAL SECTION

SCALE: NTS

TL U STA 82+25.00 TO 91+20.90



3/16 TAXIWAY Q OVERLAY TYPICAL SECTION

SCALE: NTS

TW Q STA 3+03.00 TO 6+65.63

*DIMENSIONS/SLOPE VARY, SEE SITE PLAN AND GRADING SHEETS

Preliminary

NOTES:

1. ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW AND PROTECTED FROM DAMAGE.
2. STE-1 TACK COAT REQUIRED ON ALL MILLED SURFACES, BETWEEN ALL PAVEMENT LIFTS, AND ON ALL TRANSVERSE JOINTS.
3. TYPICAL SECTION STATION LIMITS ARE APPROXIMATE. SEE SITE PLAN FOR DIMENSIONS AND LAYOUT. ADJUST LIMITS AS DIRECTED BY THE ENGINEER.

STATE OF ALASKA · 49TH · REGISTERED PROFESSIONAL ENGINEER · Robert W. Burdick · CE-123959

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

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

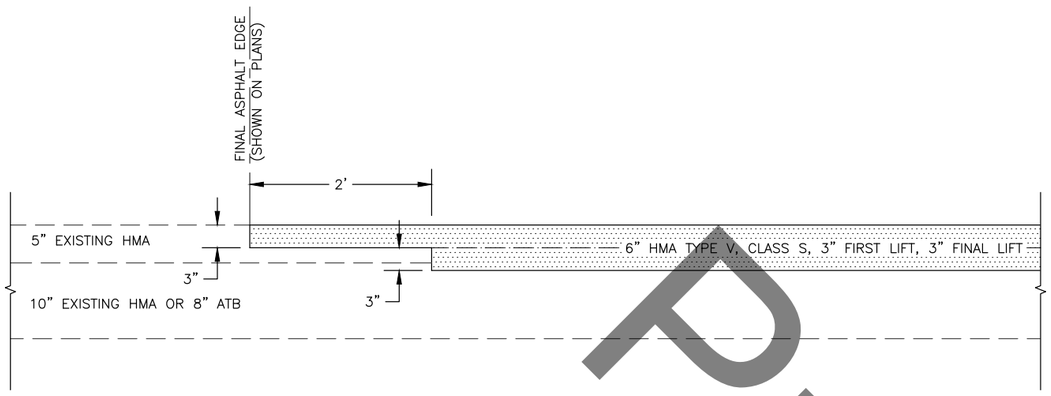
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TYPICAL SECTIONS

DATE: OCTOBER 2023

SHEET: 16 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB

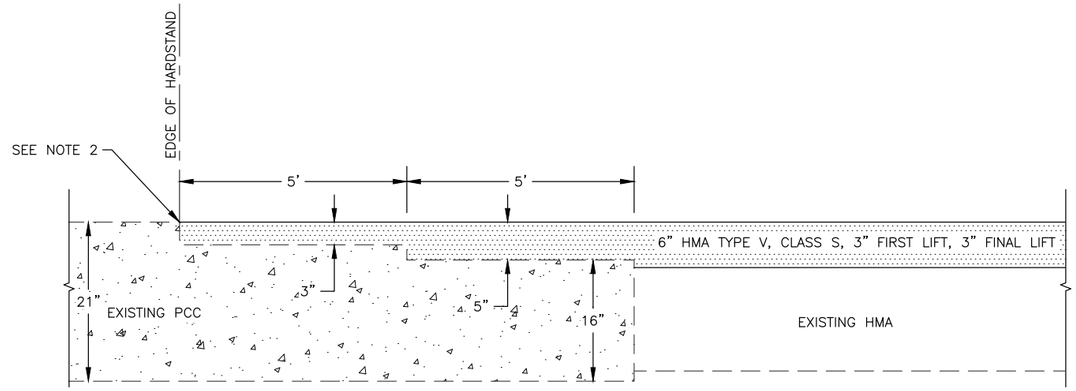
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Layout Name: 16
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Typical Sections.dwg
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1
17

PROPOSED TO EXISTING TRANSITION DETAIL

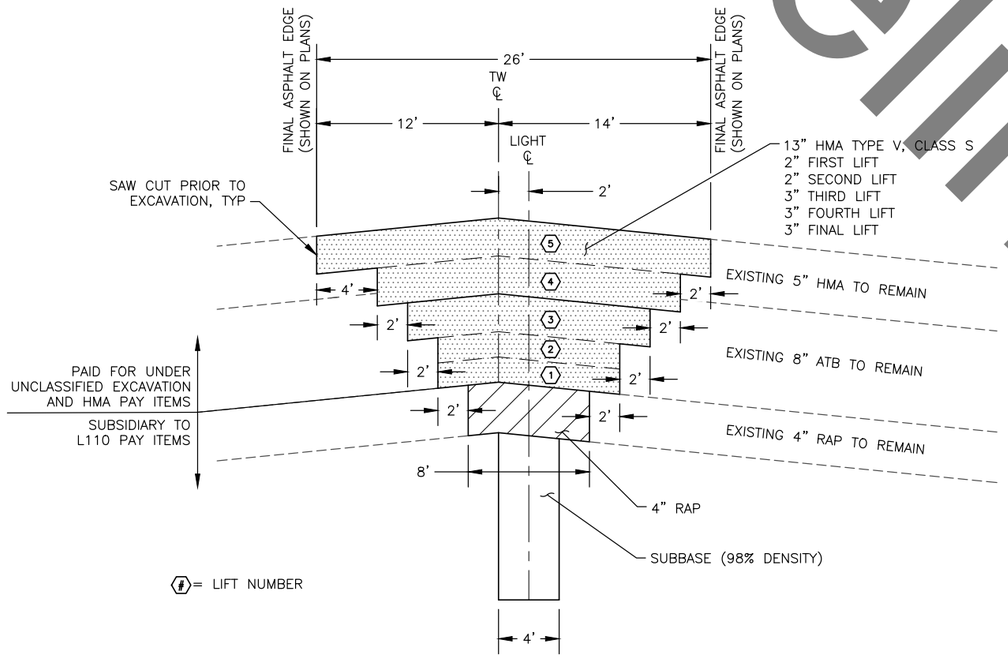
SCALE: NTS



2
17

PROPOSED TO EXISTING HARDSTAND TRANSITION DETAIL

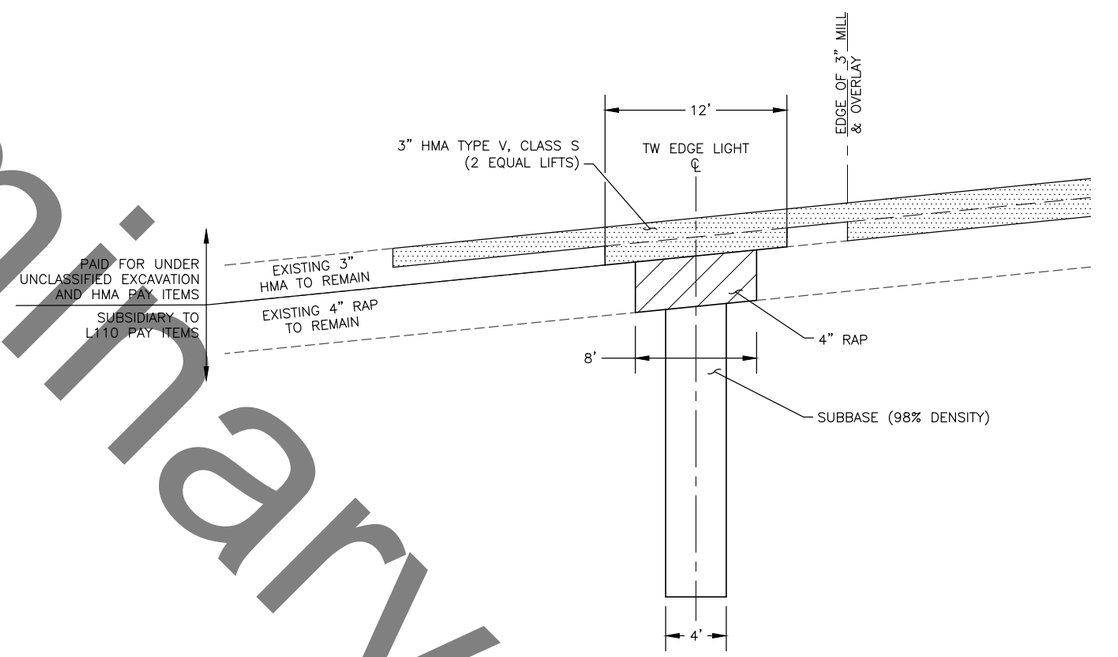
SCALE: NTS



3
17

TAXIWAY CENTERLINE LIGHT IN EXISTING ASPHALT DEMOLITION BACKFILL DETAIL

SCALE: NTS



4
17

TAXIWAY EDGE LIGHT DEMOLITION BACKFILL DETAIL

SCALE: NTS

NOTES:

1. ALL PAVEMENT CUTS SHALL BE MADE WITH A SAW OR ALTERNATIVE METHOD APPROVED BY THE ENGINEER.
2. APPLY JOINT ADHESIVE BETWEEN ALL NEW AND EXISTING ASPHALT, AND BETWEEN ALL NEW ASPHALT AND EXISTING CONCRETE.
3. STE-1 TACK COAT REQUIRED ON ALL MILLED SURFACES, BETWEEN ALL PAVEMENT LIFTS, AND ON ALL TRANSVERSE JOINTS. APPLY TACK COAT BETWEEN EXISTING ASPHALT AND NEW HMA.
4. DENSITY CALLOUTS IN THE TYPICAL SECTIONS REPRESENT THE REQUIRED MINIMUM PERCENT OF THE MAXIMUM DENSITY.

Preliminary

STATE OF ALASKA
49TH
Robert W. Burdick
CE-123959
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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CENTRAL REGION
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ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TYPICAL SECTION DETAILS

DATE: OCTOBER 2023

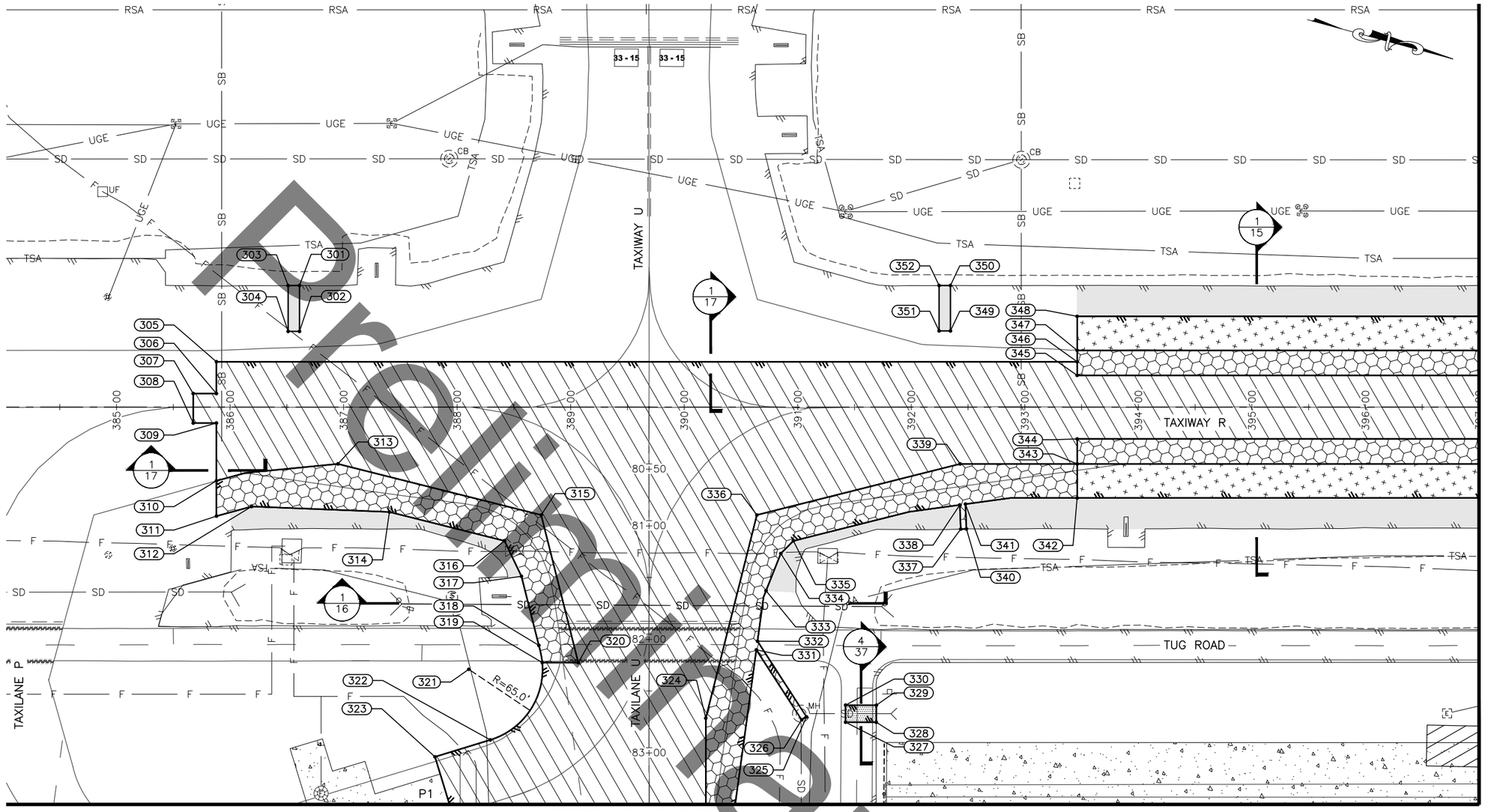
SHEET: 17 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised: 10/20/2023 10:20 AM
Layout Name: 17
File Path and Name: J:\JobsData\301\25.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\G1 Civil\00880-ANC-Section Transition Details.dwg

SITE PLAN POINTS

POINT	STATION	OFFSET (FT)	REMARKS
301	386+61.11	107.23 LT	PI
302	386+61.11	66.74 LT	PI
303	386+51.11	107.10 LT	PI
304	386+51.11	66.74 LT	PI
305	385+87.94	40.00 LT	PI
306	385+87.94	12.00 LT	PI
307	385+67.47	12.00 LT	PI
308	385+67.50	14.00 RT	PI
309	385+87.94	14.00 RT	PI
310	385+87.94	64.92 RT	PI
311	385+87.94	96.01 RT	PI
312	386+18.99	87.53 RT	PI
313	386+94.97	50.00 RT	PI
314	387+40.30	92.33 RT	PI
315	388+73.97	95.00 RT	PI
316	388+41.72	117.83 RT	PI
317	388+56.63	149.05 RT	PI
318	388+71.91	209.82 RT	PI
319	388+74.92	225.00 RT	PC
320	389+06.66	225.00 RT	PI
321	388+10.20	230.95 RT	RP, R=65.0'
322	388+29.24	293.10 RT	PT
323	387+80.47	308.04 RT	PI
324	390+18.98	274.00 RT	PI
325	391+07.66	272.81 RT	PI
326	391+03.46	275.53 RT	PI
327	391+42.08	277.52 RT	PI
328	391+69.14	277.55 RT	PI
329	391+69.25	262.55 RT	PI
330	391+42.09	262.52 RT	PI
331	390+63.50	213.77 RT	PI
332	390+64.53	206.17 RT	PI
333	390+72.05	161.73 RT	PI
334	390+85.05	128.92 RT	PI
335	390+96.14	117.85 RT	PI
336	390+63.97	95.00 RT	PI
337	392+43.54	107.44 RT	PI
338	392+42.71	86.12 RT	PI
339	392+42.97	50.00 RT	PI
340	392+48.54	107.24 RT	PI
341	392+47.68	85.44 RT	PI
342	393+46.08	80.00 RT	PI
343	393+46.08	50.00 RT	PI
344	393+46.08	28.00 RT	PI
345	393+46.08	28.00 LT	PI
346	393+46.08	40.00 LT	PI
347	393+46.08	50.00 LT	PI
348	393+46.08	80.00 LT	PI
349	392+34.47	67.16 LT	PI
350	392+34.47	107.16 LT	PI
351	392+24.47	67.16 LT	PI
352	392+24.47	107.16 LT	PI



MATCH LINE - STA. 83+50
SEE SHEET - 23

MATCH LINE - STA. 397+00
SEE SHEET - 19

50' 25' 0 50' 100'

LEGEND:

- 6" OVERLAY – HMA TYPE V, CLASS S
- 3" OVERLAY – HMA TYPE V, CLASS S
- 1.5" OVERLAY – HMA TYPE V, CLASS S
- TUG ROAD RECONSTRUCTION FOR STORM PIPE REPLACEMENT – 3" HMA TYPE V, CLASS S
- ASPHALT SURFACE TREATMENT

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SITE POINTS SHOWN REPRESENT THE FINISHED GRADE LIMITS OF THE PROPOSED IMPROVEMENTS.
3. SEE DEMOLITION SHEETS 9–14 FOR LIMITS OF EXCAVATION AND REMOVAL ITEMS.
4. SEE GRADING PLAN SHEETS 24–30 FOR FINISHED GRADE ELEVATIONS.
5. SEE MARKING PLAN SHEETS 44–48 FOR PROPOSED MARKINGS.

STATE OF ALASKA 49TH
Robert W. Burdick
CE-123959
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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 TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
SITE PLAN
TW R BOP TO STA 397+00

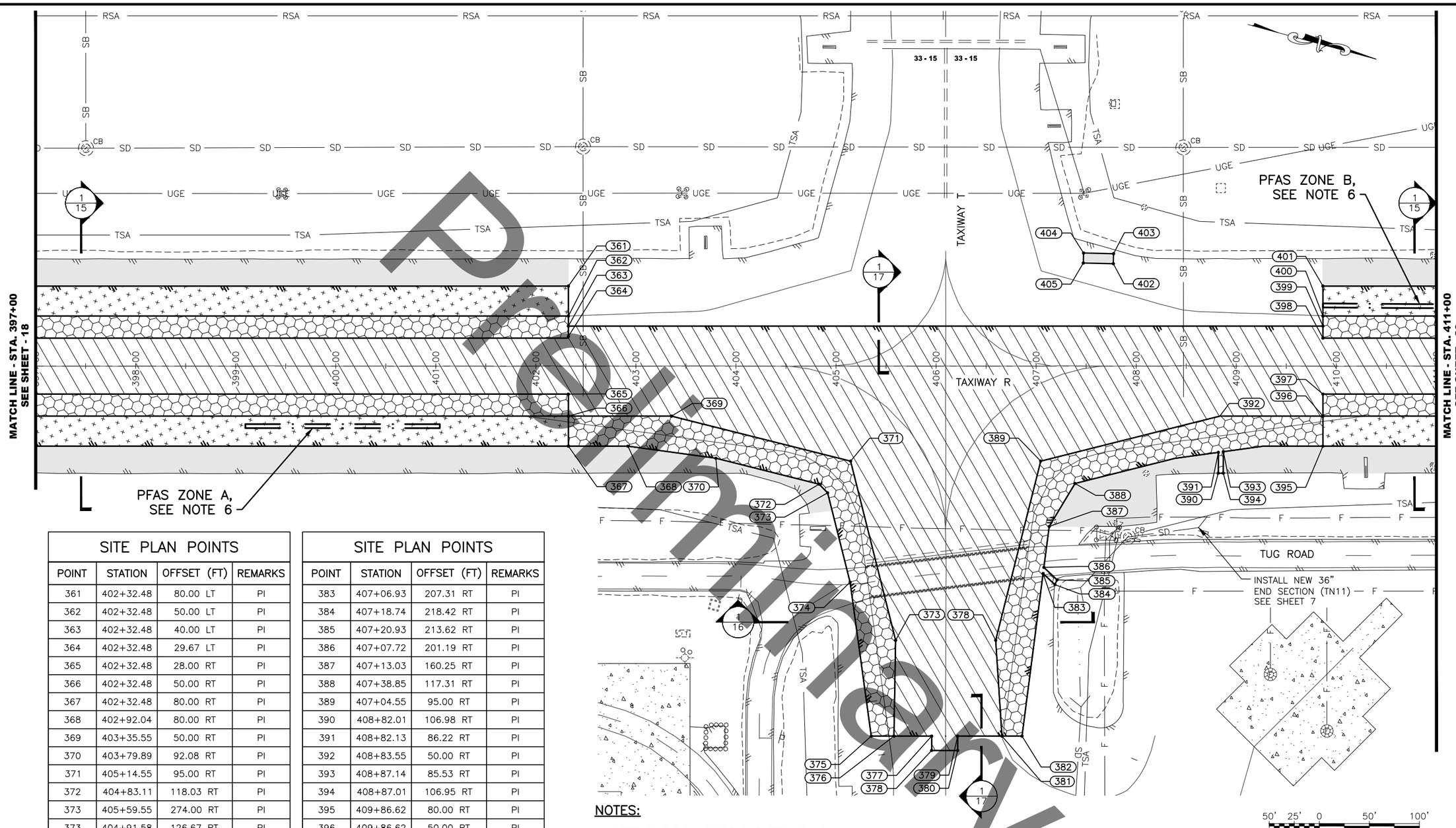
DATE: OCTOBER 2023

SHEET: 18 OF 49

Preliminary

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised:
Layout Name: 18
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Site Plan.dwg
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PRELIMINARY
Not for Construction
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SITE PLAN POINTS			
POINT	STATION	OFFSET (FT)	REMARKS
361	402+32.48	80.00 LT	PI
362	402+32.48	50.00 LT	PI
363	402+32.48	40.00 LT	PI
364	402+32.48	29.67 LT	PI
365	402+32.48	28.00 RT	PI
366	402+32.48	50.00 RT	PI
367	402+32.48	80.00 RT	PI
368	402+92.04	80.00 RT	PI
369	403+35.55	50.00 RT	PI
370	403+79.89	92.08 RT	PI
371	405+14.55	95.00 RT	PI
372	404+83.11	118.03 RT	PI
373	405+59.55	274.00 RT	PI
373	404+91.58	126.67 RT	PI
374	405+14.03	215.98 RT	PI
375	405+35.18	369.80 RT	PI
376	405+57.85	369.80 RT	PI
377	405+95.55	369.80 RT	PI
378	406+59.55	274.00 RT	PI
378	405+95.55	384.13 RT	PI
379	406+21.55	369.80 RT	PI
380	406+21.55	384.13 RT	PI
381	406+65.79	369.80 RT	PI
382	406+85.86	369.80 RT	PI

SITE PLAN POINTS			
POINT	STATION	OFFSET (FT)	REMARKS
383	407+06.93	207.31 RT	PI
384	407+18.74	218.42 RT	PI
385	407+20.93	213.62 RT	PI
386	407+07.72	201.19 RT	PI
387	407+13.03	160.25 RT	PI
388	407+38.85	117.31 RT	PI
389	407+04.55	95.00 RT	PI
390	408+82.01	106.98 RT	PI
391	408+82.13	86.22 RT	PI
392	408+83.55	50.00 RT	PI
393	408+87.14	85.53 RT	PI
394	408+87.01	106.95 RT	PI
395	409+86.62	80.00 RT	PI
396	409+86.62	50.00 RT	PI
397	409+86.62	28.00 RT	PI
398	409+86.62	28.00 LT	PI
399	409+86.62	40.00 LT	PI
400	409+86.62	50.00 LT	PI
401	409+86.62	80.00 LT	PI
402	407+77.12	102.31 LT	PI
403	407+77.35	112.31 LT	PI
404	407+47.36	113.00 LT	PI
405	407+47.13	103.01 LT	PI

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SITE POINTS SHOWN REPRESENT THE FINISHED GRADE LIMITS OF THE PROPOSED IMPROVEMENTS.
3. SEE DEMOLITION SHEETS 9–14 FOR LIMITS OF EXCAVATION AND REMOVAL ITEMS.
4. SEE GRADING PLAN SHEETS 24–30 FOR FINISHED GRADE ELEVATIONS.
5. SEE MARKING PLAN SHEETS 44–49 FOR PROPOSED MARKINGS.
6. REFER TO DEMOLITION SHEETS 10–11 FOR PFAS LIMITS AND HANDLING REQUIREMENTS.

LEGEND:

- 6" OVERLAY – HMA TYPE V, CLASS S
- 3" OVERLAY – HMA TYPE V, CLASS S
- 1.5" OVERLAY – HMA TYPE V, CLASS S
- ASPHALT SURFACE TREATMENT

STATE OF ALASKA 49TH
Robert W. Burdick
CE-123959
REGISTERED PROFESSIONAL ENGINEER

Designed By: RB
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Checked By: SB

Date Revised: 10/22/2023 2:02 PM
Layout Name: 19
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Site Plan.dwg

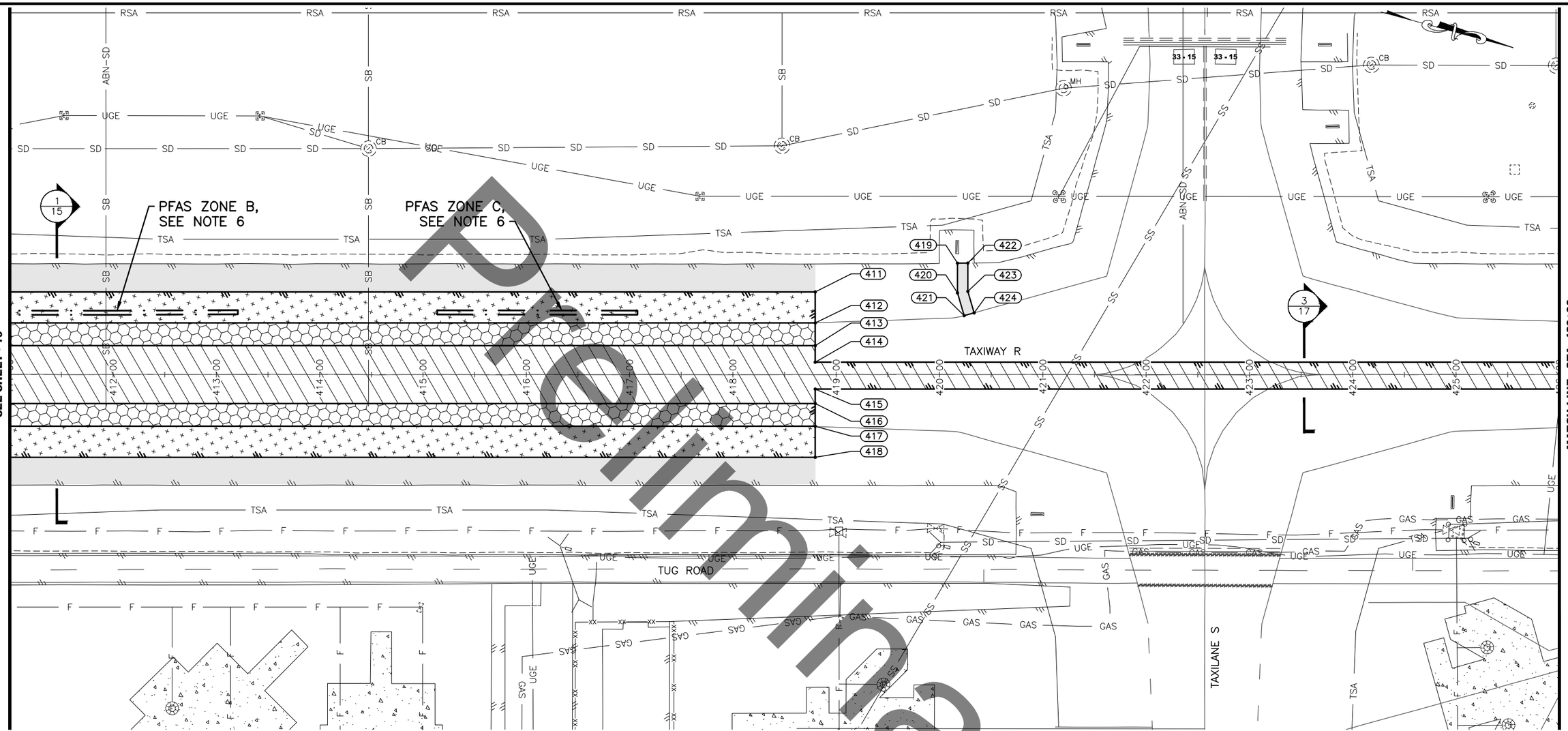
PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
SITE PLAN
TW R STA 397+00 TO STA 411+00

DATE: OCTOBER 2023
SHEET: 19 OF 49



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SITE PLAN POINTS			
POINT	STATION	OFFSET (FT)	REMARKS
411	418+79.68	80.00 LT	PI
412	418+79.68	50.00 LT	PI
413	418+79.68	28.00 LT	PI
414	418+79.68	12.00 LT	PI
415	418+79.68	14.00 RT	PI
416	418+79.68	28.00 RT	PI
417	418+79.68	50.00 RT	PI
418	418+79.68	80.00 RT	PI
419	420+17.40	107.85 LT	PI
420	420+17.40	79.07 LT	PI
421	420+23.84	57.07 LT	PI
422	420+27.40	107.92 LT	PI
423	420+27.40	80.51 LT	PI
424	420+33.49	59.72 LT	PI

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SITE POINTS SHOWN REPRESENT THE FINISHED GRADE LIMITS OF THE PROPOSED IMPROVEMENTS.
3. SEE DEMOLITION SHEETS 9–14 FOR LIMITS OF EXCAVATION AND REMOVAL ITEMS.
4. SEE GRADING PLAN SHEETS 24–30 FOR FINISHED GRADE ELEVATIONS.
5. SEE MARKING PLAN SHEETS 44–49 FOR PROPOSED MARKINGS.
6. REFER TO DEMOLITION SHEETS 10–11 FOR PFAS LIMITS AND HANDLING REQUIREMENTS.

LEGEND:

- 6" OVERLAY – HMA TYPE V, CLASS S
- 3" OVERLAY – HMA TYPE V, CLASS S
- 1.5" OVERLAY – HMA TYPE V, CLASS S
- ASPHALT SURFACE TREATMENT

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Robert W. Burdick
CE-123959

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ANCHORAGE, ALASKA 99503
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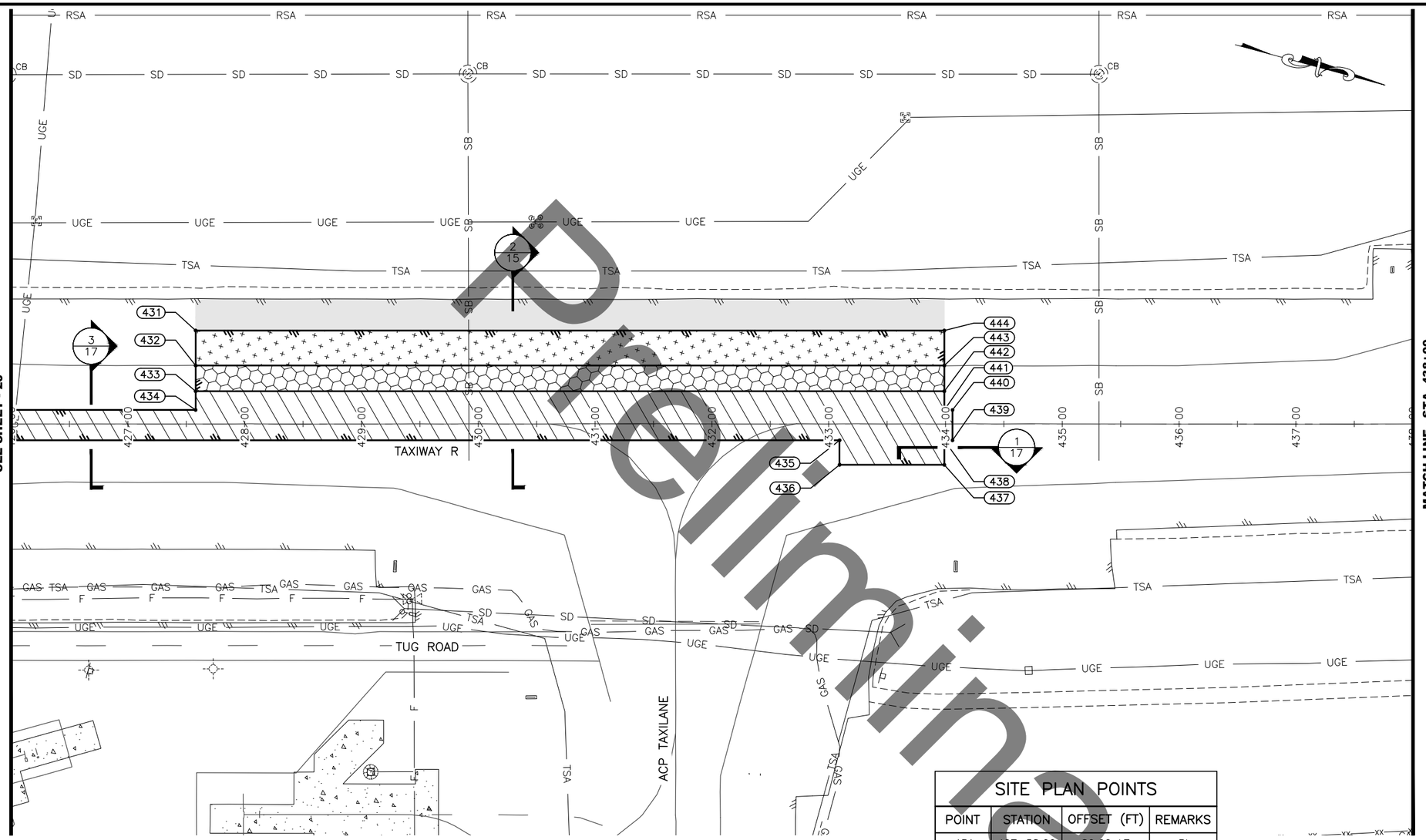
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
SITE PLAN
TW R STA 411+00 TO STA 426+00

DATE: OCTOBER 2023

SHEET: 20 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised:
Layout Name: 20
File Path and Name: J:\Jobs\Data\30125.00 Anc. Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Site Plan.dwg
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Preliminary

SITE PLAN POINTS

POINT	STATION	OFFSET (FT)	REMARKS
431	427+58.00	80.00 LT	PI
432	427+58.00	50.00 LT	PI
433	427+58.00	28.00 LT	PI
434	427+58.00	12.00 LT	PI
435	433+09.29	14.00 RT	PI
436	433+09.29	35.00 RT	PI
437	433+99.00	35.00 RT	PI
438	433+99.00	14.00 RT	PI
439	434+06.00	14.00 RT	PI
440	434+06.00	12.00 LT	PI
441	433+99.00	12.00 LT	PI
442	433+99.00	28.00 LT	PI
443	433+99.00	50.00 LT	PI
444	433+99.00	80.00 LT	PI

LEGEND:

- 6" OVERLAY – HMA TYPE V, CLASS S
- 3" OVERLAY – HMA TYPE V, CLASS S
- 1.5" OVERLAY – HMA TYPE V, CLASS S
- ASPHALT SURFACE TREATMENT

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SITE POINTS SHOWN REPRESENT THE FINISHED GRADE LIMITS OF THE PROPOSED IMPROVEMENTS.
3. SEE DEMOLITION SHEETS 9–14 FOR LIMITS OF EXCAVATION AND REMOVAL ITEMS.
4. SEE GRADING PLAN SHEETS 24–30 FOR FINISHED GRADE ELEVATIONS.
5. SEE MARKING PLAN SHEETS 44–49 FOR PROPOSED MARKINGS.

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Robert W. Burdick CE-123959

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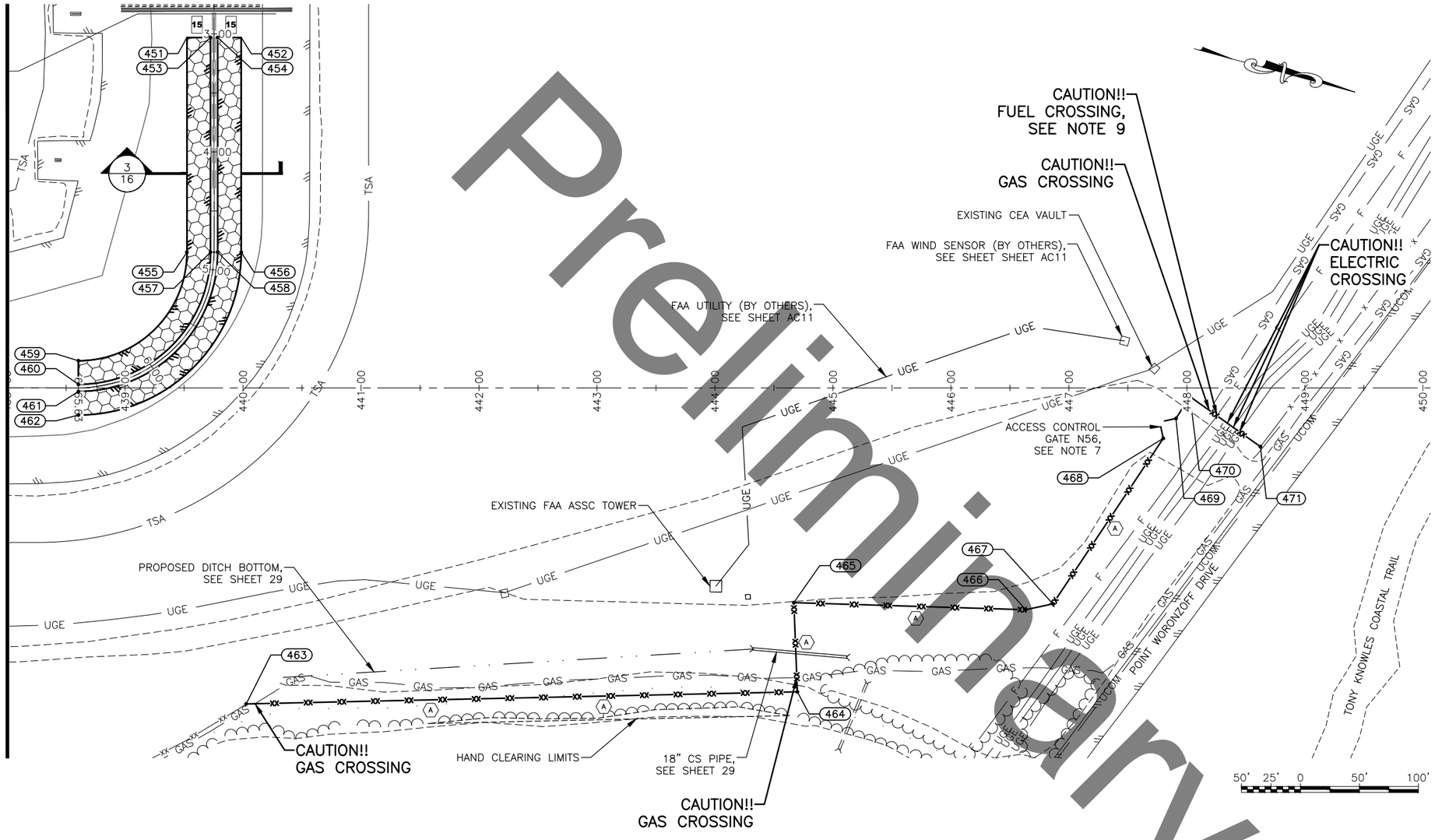
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
SITE PLAN
TW R STA 426+00 TO STA 438+00

DATE: OCTOBER 2023
SHEET: 21 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB
Date Revised:
Layout Name: 21
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Site Plan.dwg
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Preliminary

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SITE POINTS SHOWN REPRESENT THE FINISHED GRADE LIMITS OF THE PROPOSED IMPROVEMENTS.
3. SEE DEMOLITION SHEETS 9–14 FOR LIMITS OF EXCAVATION AND REMOVAL ITEMS.
4. SEE GRADING PLAN SHEETS 24–30 FOR FINISHED GRADE ELEVATIONS.
5. SEE MARKING PLAN SHEETS 44–49 FOR PROPOSED MARKINGS.
6. 4" TOPSOIL (AS NECESSARY) AND SEED ALL DISTURBED AREAS.
7. INSTALL RELOCATED SIGNS ON PROPOSED FENCE (5 TOTAL) AND GATE (4 TOTAL).
8. IF CONNECTING TO EXISTING FENCE REQUIRES REMOVAL OF FENCE FABRIC OR BARBED WIRE, CONTRACTOR MUST NOTIFY THE ENGINEER FOR APPROVAL PRIOR TO OPENING FENCE. CONTRACTOR MUST REINSTALL ANY REMOVED FENCING FABRIC AND BARBED WIRE PRIOR TO ENDING DAILY WORK. A SECURED AOA MUST BE MAINTAINED AT ALL TIMES.
9. ALL GROUND DISTURBING WORK WITHIN 10 FT OF THE FUEL LINE WILL REQUIRE A STAND–BY WATCH. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
10. UNDERGROUND UTILITIES IN THESE DRAWINGS ARE SHOWN IN GENERAL LOCATIONS ONLY. OTHER UTILITIES MAY EXIST THROUGHOUT THE PROJECT AREA. DEPTHS OF MOST ARE UNKNOWN. CALL FOR UTILITY LOCATES PRIOR TO BEGINNING EXCAVATION WORK AND DRIVING FENCE POSTS. ADJUST POST SPACING AS REQUIRED TO AVOID EXISTING UTILITIES.
11. SEE SHEETS 41–43 FOR SECURITY FENCE AND GATE DETAILS.
12. ATTACH TO FENCING WITH HOG TIES 5' ABOVE FINISHED GRADE. SIGN LAYOUT SHALL BE MARKED PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL BY ANC OPERATIONS THROUGH THE ENGINEER.

SITE PLAN POINTS

POINT	STATION	OFFSET (FT)	REMARKS
451	3+03.00	23.00 RT	PI
452	3+03.00	23.00 LT	PI
453	3+03.00	3.00 RT	PI
454	3+03.00	3.00 LT	PI
455	4+84.99	23.00 RT	PC
456	4+84.99	23.00 LT	PC
457	4+84.99	3.00 RT	PC
458	4+84.99	3.00 LT	PC
459	6+65.63	23.00 RT	PT
460	6+65.63	3.00 RT	PT
461	6+65.63	3.00 LT	PT
462	6+65.63	23.00 LT	PT
463	440+02.61	267.87 RT	PI
464	444+69.82	257.62 RT	PI
465	444+66.83	182.02 RT	PI
466	446+63.38	188.03 RT	PI
467	446+86.37	183.07 RT	PI
468	447+79.96	42.77 RT	PI
469	447+90.72	25.91 RT	PI
470	448+02.54	7.39 RT	PI
471	448+62.29	49.85 RT	PI

LEGEND:

3" OVERLAY – HMA TYPE V, CLASS S

(A) RELOCATED FENCE SIGN, SEE NOTE 12

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Robert W. Burdick
CE-123959

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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

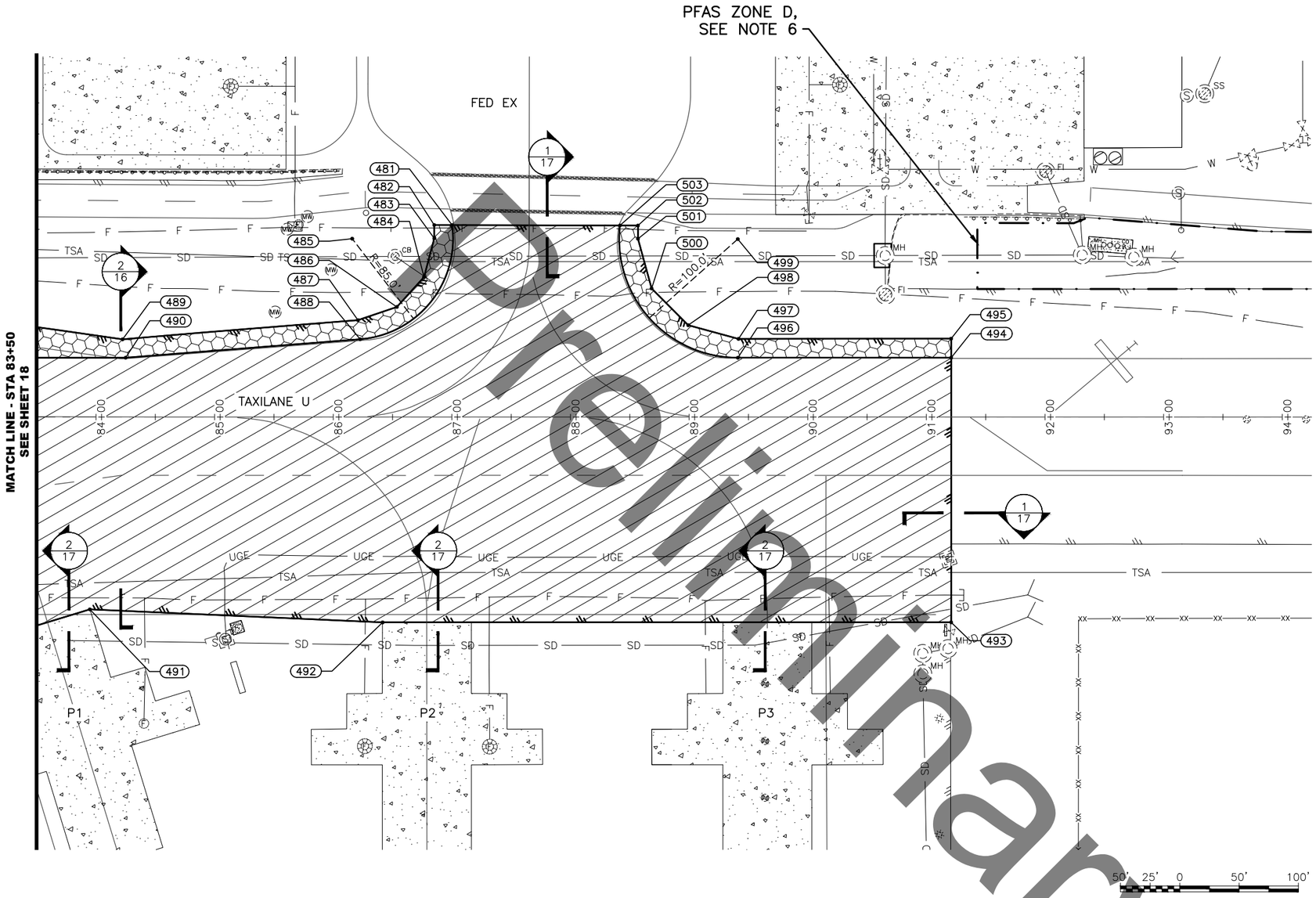
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
SITE PLAN
TW R STA 438+00 TO 450+00

DATE: OCTOBER 2023

SHEET: 22 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised:
Layout Name: 22
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Site Plan.dwg 10/22/2023 2:02 PM



Preliminary

SITE PLAN POINTS

POINT	STATION	OFFSET (FT)	REMARKS
481	87+00.23	161.80 LT	PT
482	86+85.17	161.84 LT	PI
483	86+85.17	150.62 LT	PI
484	86+76.57	118.02 LT	PI
485	86+16.01	150.36 LT	RP, R=85.0'
486	86+53.63	92.81 LT	PI
487	86+20.83	81.70 LT	PI
488	86+22.72	65.62 LT	PC
489	84+22.45	65.54 LT	PI
490	84+25.01	50.04 LT	PI
491	83+94.84	162.06 RT	PI
492	86+41.67	173.05 RT	PI
493	91+20.90	173.00 RT	PI
494	91+20.90	50.00 LT	PI
495	91+20.90	66.10 LT	PI
496	89+41.08	50.00 LT	PT
497	89+41.63	65.89 LT	PI
498	88+99.22	77.47 LT	PI
499	89+41.01	150.02 LT	RP, R=100.0'
500	88+68.41	108.39 LT	PI
501	88+56.91	150.27 LT	PI
502	88+56.91	161.46 LT	PI
503	88+41.67	161.49 LT	PC

LEGEND:

6" OVERLAY – HMA TYPE V, CLASS S

3" OVERLAY – HMA TYPE V, CLASS S

NOTES:

1. REFER TO TYPICAL SECTIONS, SHEETS 15–17.
2. SITE POINTS SHOWN REPRESENT THE FINISHED GRADE LIMITS OF THE PROPOSED IMPROVEMENTS.
3. SEE DEMOLITION SHEETS 9–14 FOR LIMITS OF EXCAVATION AND REMOVAL ITEMS.
4. SEE GRADING PLAN SHEETS 24–30 FOR FINISHED GRADE ELEVATIONS.
5. SEE MARKING PLAN SHEETS 44–49 FOR PROPOSED MARKINGS.
6. REFER TO DEMOLITION SHEET 14 FOR PFAS LIMITS AND HANDLING REQUIREMENTS.

STATE OF ALASKA 49TH
Robert W. Burdick
CE-123959
REGISTERED PROFESSIONAL ENGINEER

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#AECL882-AK

BY	DATE	REVISION

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PHONE (907) 269-0590

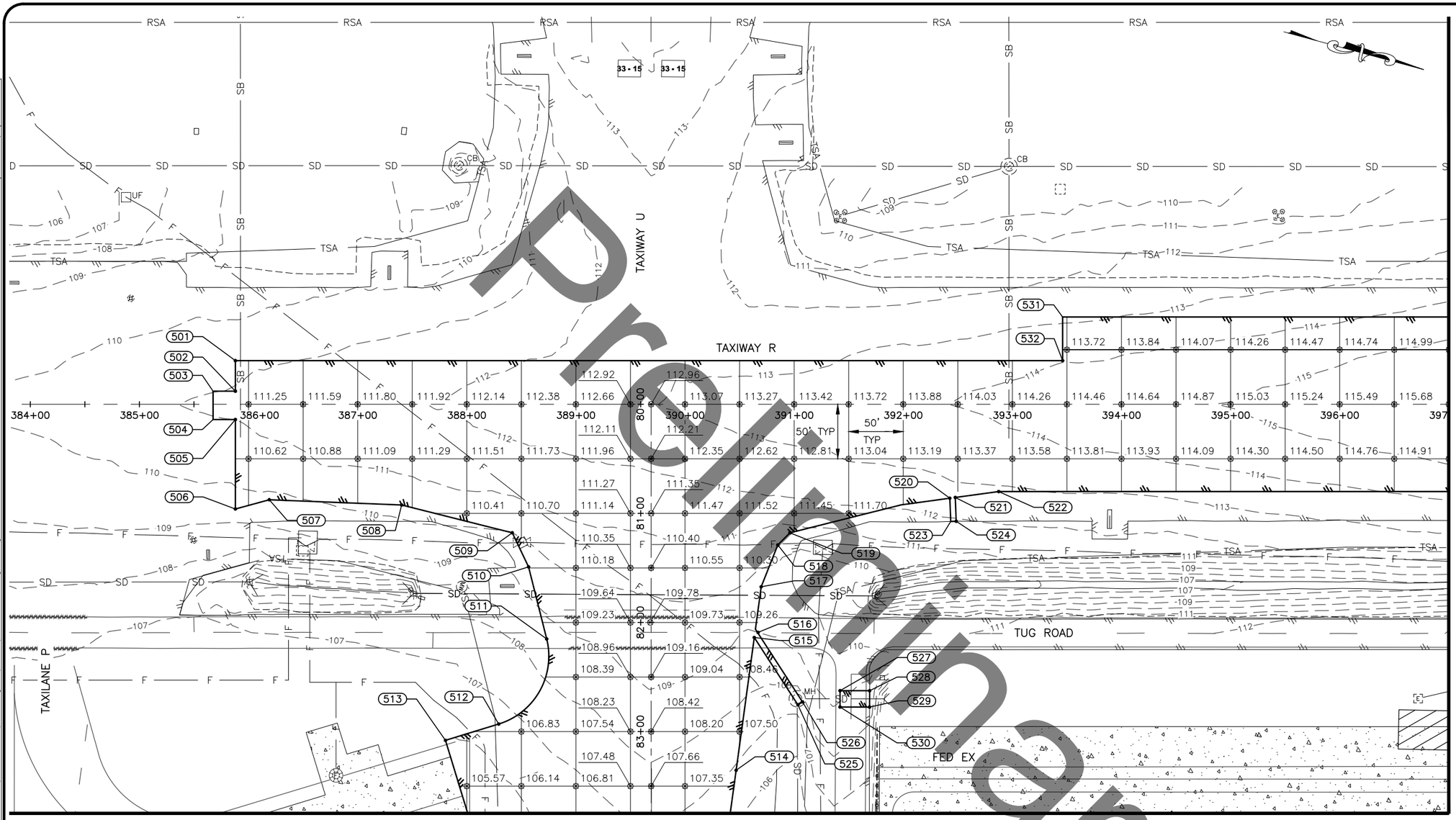
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
SITE PLAN
TL U STA 83+50 TO EOP

DATE: OCTOBER 2023

SHEET: 23 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised:
Layout Name: 23
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Site Plan.dwg
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GRADING POINTS

POINT	STATION	OFFSET (FT)	ELEVATION (FT)
501	385+87.94	40.00 LT	110.77
502	385+87.94	12.00 LT	111.06
503	385+67.47	12.00 LT	110.98
504	385+67.50	14.00 RT	110.96
505	385+87.94	14.00 RT	111.00
506	385+87.94	96.01 RT	109.38
507	386+18.99	87.53 RT	109.82
508	387+40.30	92.33 RT	110.38
509	388+41.72	117.83 RT	109.99
510	388+56.63	149.05 RT	109.48
511	388+73.23	215.10 RT	108.56
512	388+29.24	293.10 RT	106.61
513	387+80.47	308.04 RT	105.90
514	390+46.87	335.46 RT	106.89
515	390+63.50	213.77 RT	108.90
516	390+66.94	209.11 RT	109.00
517	390+69.83	167.31 RT	109.73
518	390+85.05	128.92 RT	110.38
519	390+96.14	117.85 RT	110.65
520	392+42.71	86.12 RT	112.51
521	392+47.68	85.44 RT	112.54
522	392+87.50	80.00 RT	112.84
523	392+43.54	107.44 RT	111.91
524	392+48.54	107.24 RT	111.93
525	391+03.46	275.53 RT	107.38
526	391+07.66	272.81 RT	107.79
527	391+42.09	262.52 RT	109.19
528	391+69.25	262.55 RT	108.72
529	391+69.14	277.55 RT	108.37
530	391+42.08	277.52 RT	108.88
531	393+46.08	80.00 LT	112.84
532	393+46.08	40.00 LT	113.97

Preliminary

NOTES:

1. ELEVATIONS SHOWN ARE TOP OF FINISHED GRADE.
2. THE BASIS OF THE GRADING GRID IS 50' OFFSET INCREMENTS OF THE TAXIWAY R ALIGNMENT. ADDITIONAL SPOT ELEVATIONS ARE SHOWN AT TAXILANE U CENTERLINE.
3. PROVIDE SMOOTH TRANSITIONS BETWEEN ALL FINISHED GRADE AND SPOT ELEVATIONS.
4. SEE DEMOLITION SHEETS 9–14 FOR REMOVAL ITEMS.
5. PROPOSED MARKINGS AND ELECTRICAL SYSTEMS NOT SHOWN FOR CLARITY.

STATE OF ALASKA
49TH
Robert W. Burdick
CE-123959
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
GRADING PLAN
TW R BOP TO STA 397+00

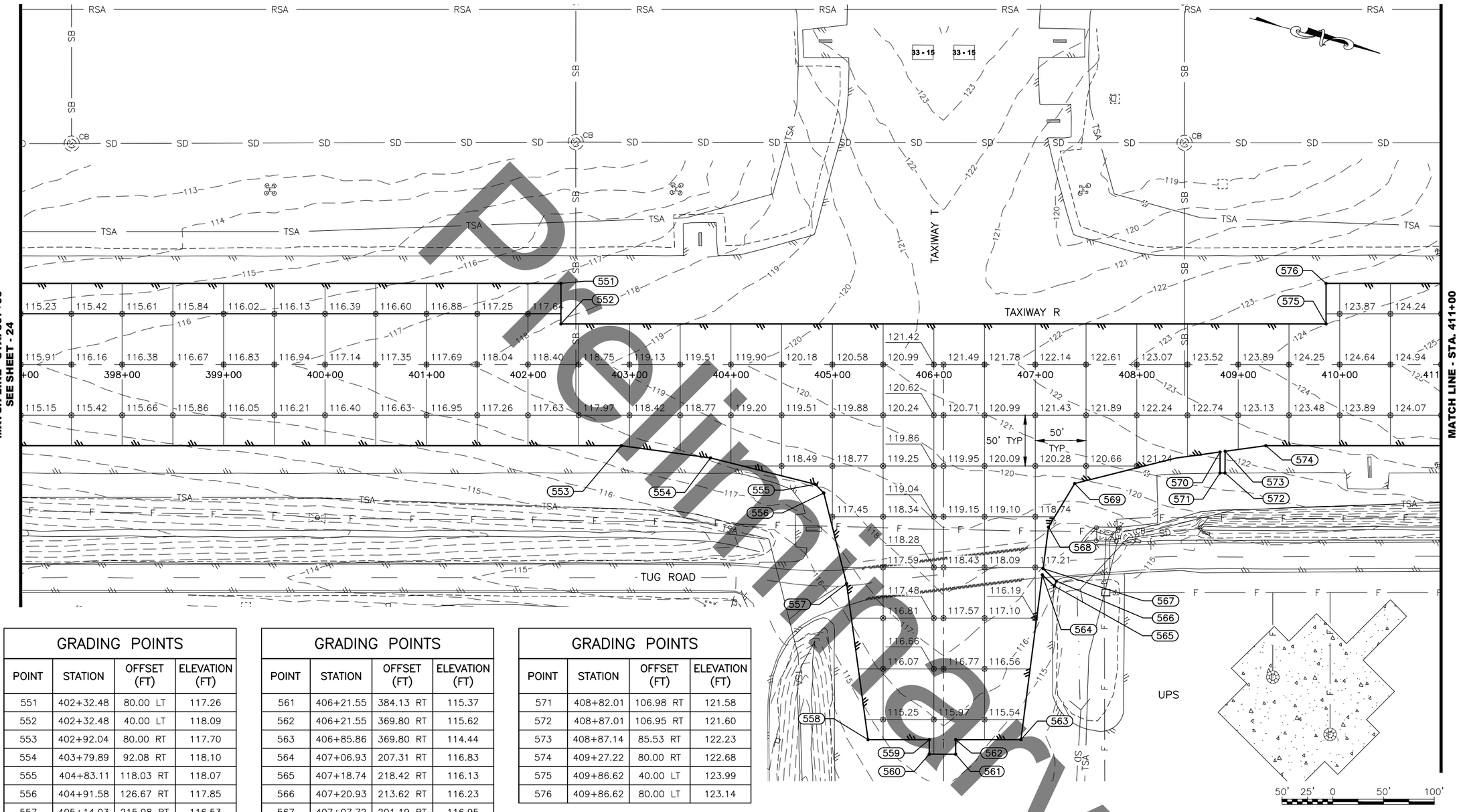
DATE: OCTOBER 2023

SHEET: 24 OF 49

Designed By: RB
Drawn By: RB
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Date Revised:
Layout Name: 24
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Grading Plan.dwg

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GRADING POINTS			
POINT	STATION	OFFSET (FT)	ELEVATION (FT)
551	402+32.48	80.00 LT	117.26
552	402+32.48	40.00 LT	118.09
553	402+92.04	80.00 RT	117.70
554	403+79.89	92.08 RT	118.10
555	404+83.11	118.03 RT	118.07
556	404+91.58	126.67 RT	117.85
557	405+14.03	215.98 RT	116.53
558	405+35.18	369.80 RT	114.58
559	405+95.55	369.80 RT	115.61
560	405+95.55	384.13 RT	115.39

GRADING POINTS			
POINT	STATION	OFFSET (FT)	ELEVATION (FT)
561	406+21.55	384.13 RT	115.37
562	406+21.55	369.80 RT	115.62
563	406+85.86	369.80 RT	114.44
564	407+06.93	207.31 RT	116.83
565	407+18.74	218.42 RT	116.13
566	407+20.93	213.62 RT	116.23
567	407+07.72	201.19 RT	116.95
568	407+13.03	160.25 RT	118.11
569	407+38.85	117.31 RT	119.75
570	408+82.13	86.22 RT	122.18

GRADING POINTS			
POINT	STATION	OFFSET (FT)	ELEVATION (FT)
571	408+82.01	106.98 RT	121.58
572	408+87.01	106.95 RT	121.60
573	408+87.14	85.53 RT	122.23
574	409+27.22	80.00 RT	122.68
575	409+86.62	40.00 LT	123.99
576	409+86.62	80.00 LT	123.14

NOTES:

1. ELEVATIONS SHOWN ARE TOP OF FINISHED GRADE.
2. THE BASIS OF THE GRADING GRID IS 50' OFFSET INCREMENTS OF THE TAXIWAY R ALIGNMENT. ADDITIONAL SPOT ELEVATIONS ARE SHOWN AT TAXIWAY T CENTERLINE.
3. PROVIDE SMOOTH TRANSITIONS BETWEEN ALL FINISHED GRADE AND SPOT ELEVATIONS.
4. SEE DEMOLITION SHEETS 9–14 FOR REMOVAL ITEMS.
5. PROPOSED MARKINGS AND ELECTRICAL SYSTEMS NOT SHOWN FOR CLARITY.

STATE OF ALASKA
49TH
REGISTERED PROFESSIONAL ENGINEER
Robert W. Burdick
CE-123959

PLANS DEVELOPED BY:
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STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
GRADING PLAN
TW R STA 397+00 TO STA 411+00

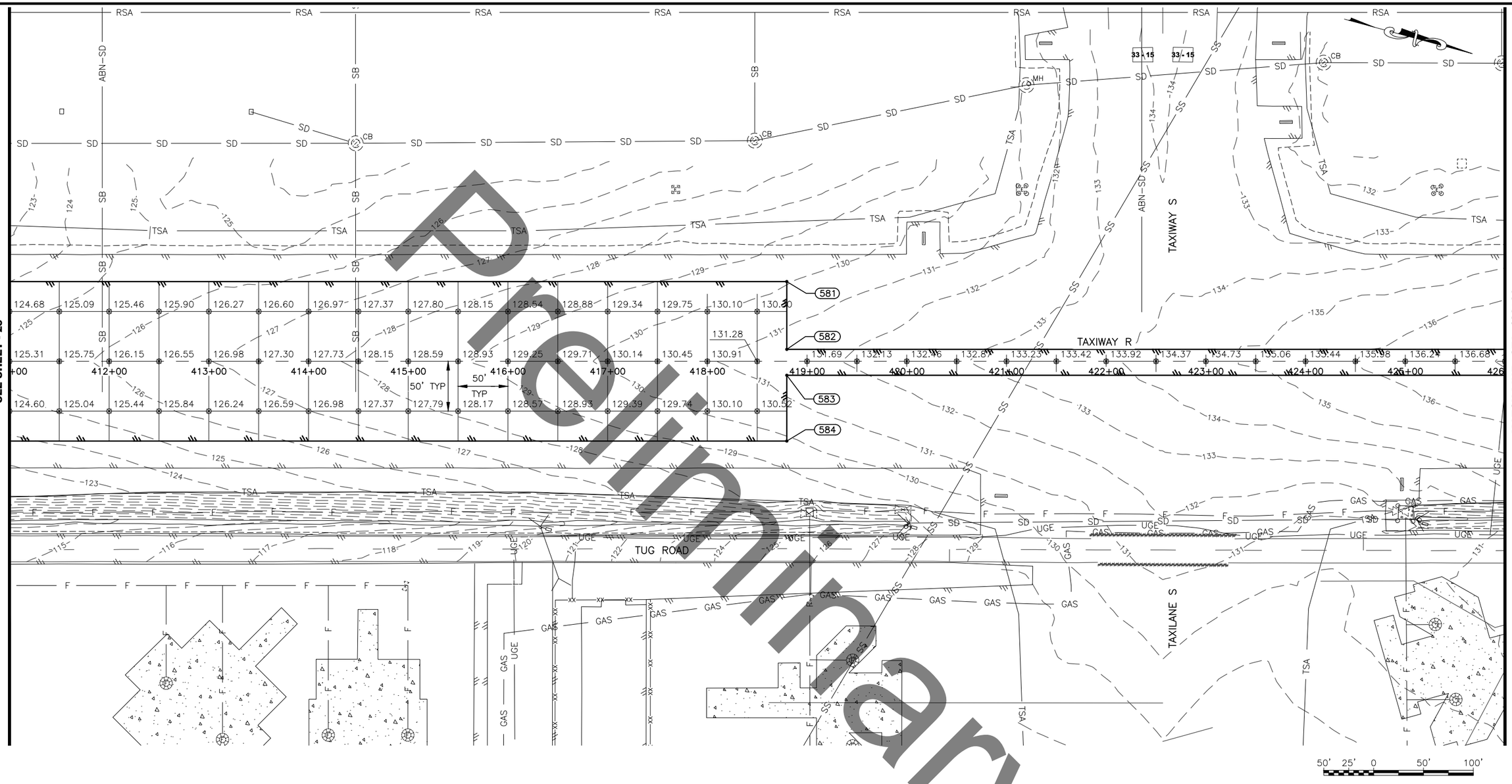
DATE: OCTOBER 2023

SHEET: 25 OF 49

Designed By: RB
Drawn By: RB
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Date Revised:
Layout Name: 25
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Grading Plan.dwg

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GRADING POINTS			
POINT	STATION	OFFSET (FT)	ELEVATION (FT)
581	418+79.68	80.00 LT	129.92
582	418+79.68	12.00 LT	131.40
583	418+79.68	14.00 RT	131.30
584	418+79.68	80.00 RT	129.87

NOTES:

1. ELEVATIONS SHOWN ARE TOP OF FINISHED GRADE.
2. THE BASIS OF THE GRADING GRID IS 50' OFFSET INCREMENTS OF THE TAXIWAY R ALIGNMENT.
3. PROVIDE SMOOTH TRANSITIONS BETWEEN ALL FINISHED GRADE AND SPOT ELEVATIONS.
4. SEE DEMOLITION SHEETS 9–14 FOR REMOVAL ITEMS.
5. PROPOSED MARKINGS AND ELECTRICAL SYSTEMS NOT SHOWN FOR CLARITY.

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Robert W. Burdick CE-123959

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD. SUITE 300
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STATE OF ALASKA
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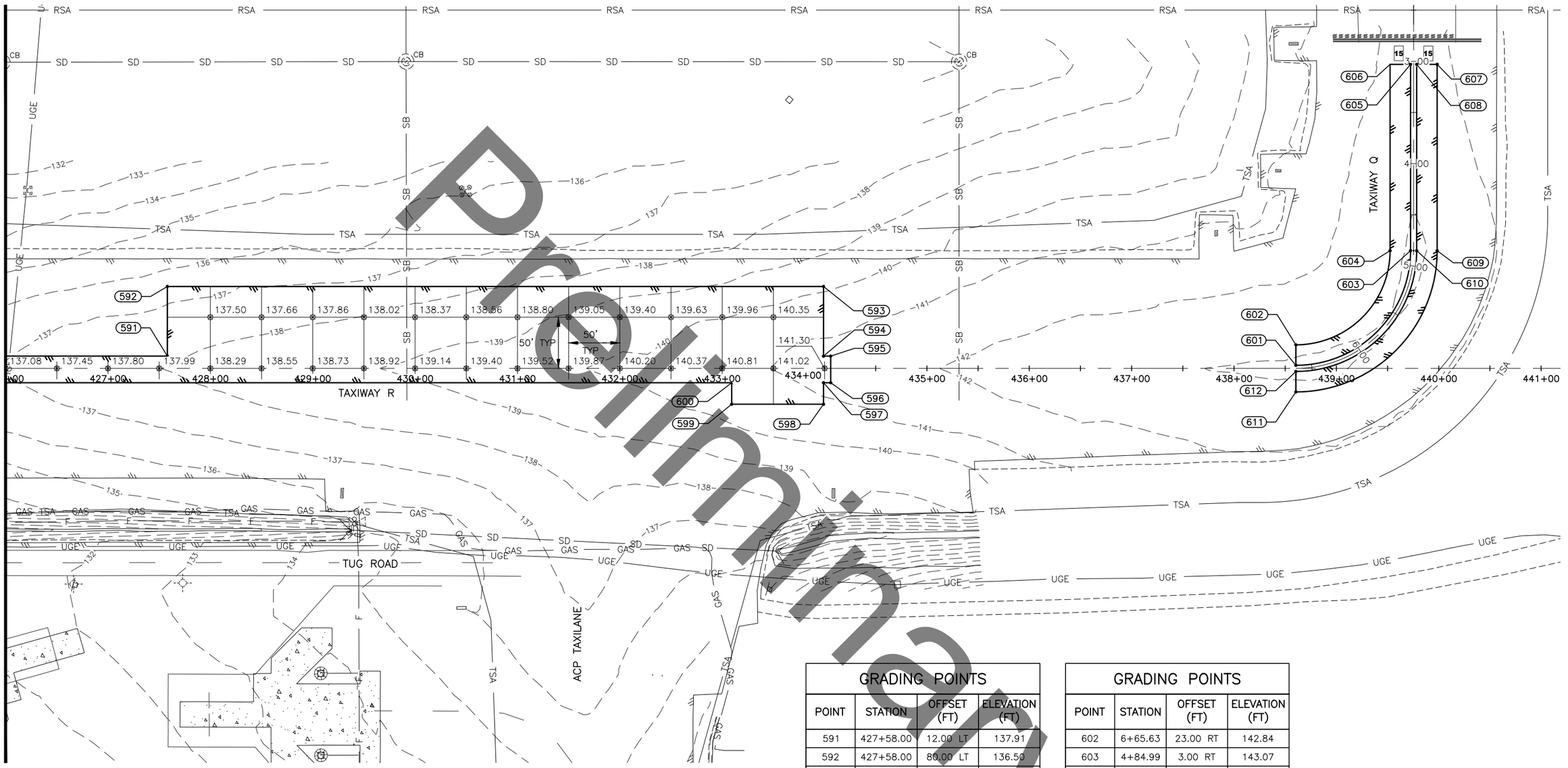
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
GRADING PLAN
TWY R STA 411+00 TO STA 426+00

DATE: OCTOBER 2023

SHEET: 26 OF 49

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised: 10/22/2023 2:04 PM
Layout Name: 26
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 civil\00880-ANC-Grading Plan.dwg



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GRADING POINTS			
POINT	STATION	OFFSET (FT)	ELEVATION (FT)
591	427+58.00	12.00 LT	137.91
592	427+58.00	80.00 LT	136.50
593	433+99.00	80.00 LT	139.84
594	433+99.00	12.00 LT	141.24
595	434+06.00	12.00 LT	141.29
596	434+06.00	14.00 RT	141.21
597	433+99.00	14.00 RT	141.17
598	433+99.00	35.00 RT	140.90
599	433+09.29	35.00 RT	140.42
600	433+09.29	14.00 RT	140.76
601	6+65.63	3.00 RT	143.11

GRADING POINTS			
POINT	STATION	OFFSET (FT)	ELEVATION (FT)
602	6+65.63	23.00 RT	142.84
603	4+84.99	3.00 RT	143.07
604	4+84.99	23.00 RT	142.80
605	3+03.00	3.00 RT	142.50
606	3+03.00	23.00 RT	142.19
607	3+03.00	23.00 LT	142.26
608	3+03.00	3.00 LT	142.51
609	4+84.99	23.00 LT	142.89
610	4+84.99	3.00 LT	143.09
611	6+65.63	23.00 LT	142.82
612	6+65.63	3.00 LT	143.11

NOTES:

1. ELEVATIONS SHOWN ARE TOP OF FINISHED GRADE.
2. THE BASIS OF THE GRADING GRID IS 50' OFFSET INCREMENTS OF THE TAXIWAY R ALIGNMENT.
3. PROVIDE SMOOTH TRANSITIONS BETWEEN ALL FINISHED GRADE AND SPOT ELEVATIONS.
4. SEE DEMOLITION SHEETS 9–14 FOR REMOVAL ITEMS.
5. PROPOSED MARKINGS AND ELECTRICAL SYSTEMS NOT SHOWN FOR CLARITY.

50' 25' 0 50' 100'

STATE OF ALASKA
49TH
Robert W. Burdick
CE-123959
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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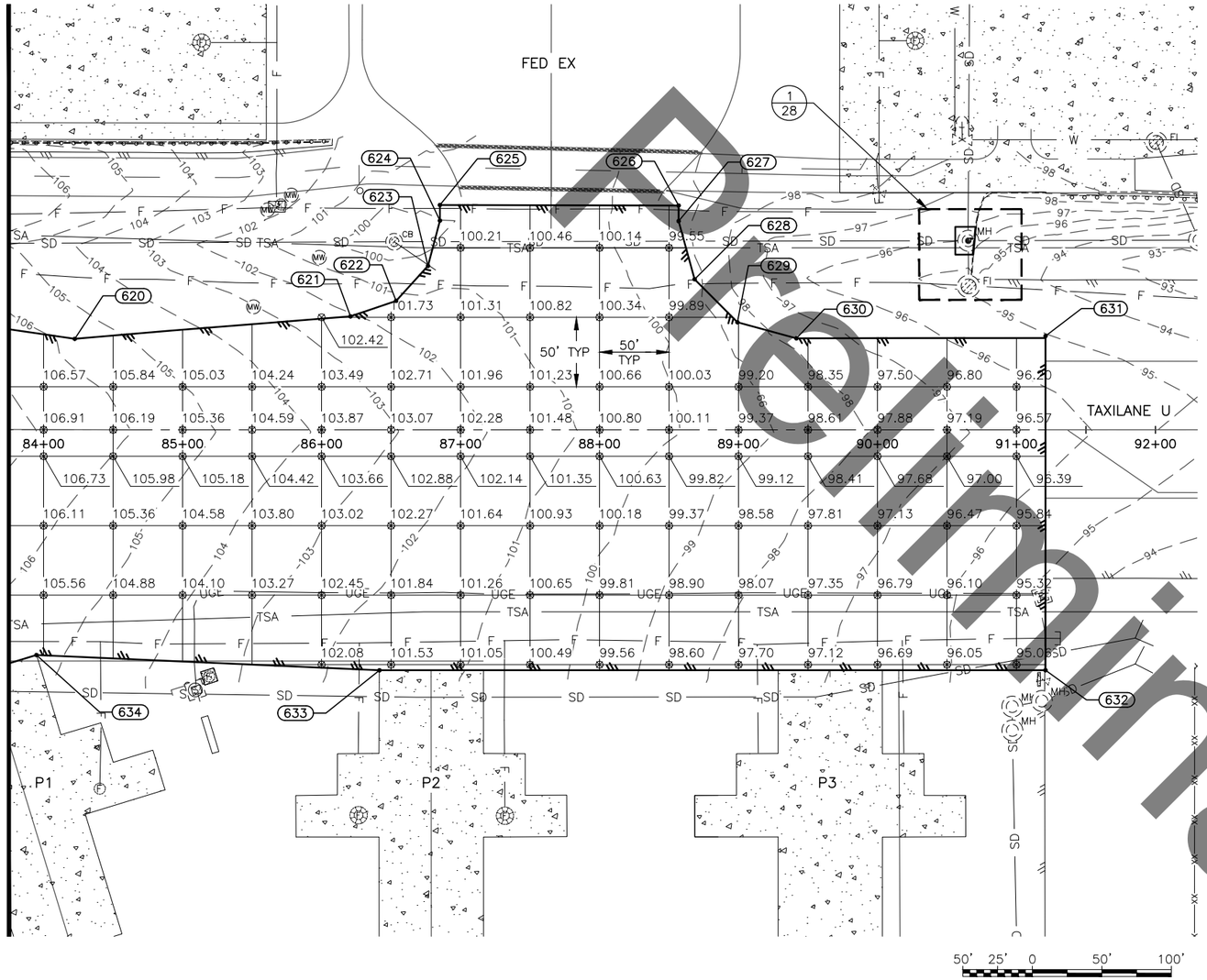
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
GRADING PLAN
TW R STA 426+00 TO STA 441+00

DATE: OCTOBER 2023

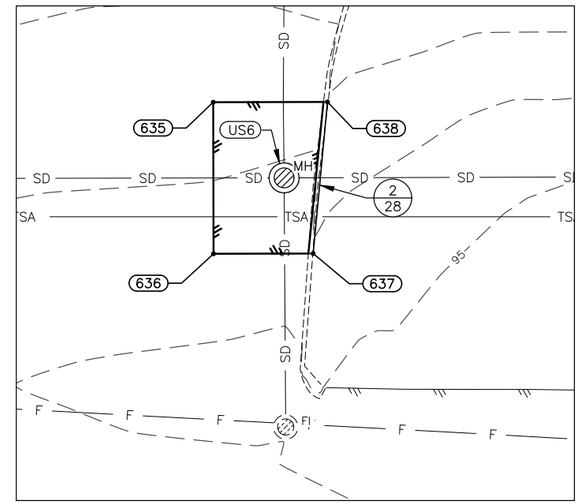
SHEET: 27 OF 49

Designed By: RB
Drawn By: RB
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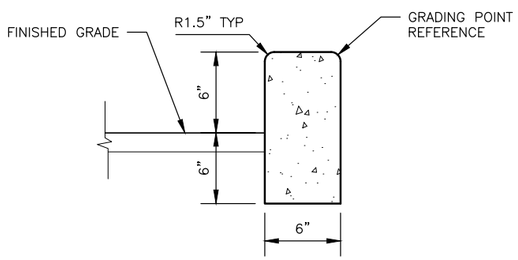
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Layout Name: 27
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Grading Plan.dwg
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GRADING POINTS			
POINT	STATION	OFFSET (FT)	ELEVATION (FT)
620	84+22.45	65.54 LT	105.70
621	86+20.83	81.70 LT	102.08
622	86+53.63	92.81 LT	101.25
623	86+76.57	118.02 LT	100.52
624	86+85.17	150.62 LT	99.97
625	86+85.17	161.84 LT	100.22
626	88+56.91	161.46 LT	99.26
627	88+56.91	150.27 LT	99.32
628	88+68.41	108.39 LT	99.25
629	88+99.22	77.47 LT	98.54
630	89+41.63	65.89 LT	97.75
631	91+20.90	67.50 LT	95.06
632	91+20.90	173.00 RT	95.10
633	86+41.67	173.05 RT	101.58
634	83+94.84	162.06 RT	105.24
635	90+55.97	146.12 LT	96.53
636	90+56.01	126.12 LT	95.43
637	90+69.16	126.15 LT	95.93
638	90+71.05	146.16 LT	96.85



1
28
GRADING DETAIL



2
28
CURB DETAIL

NOTES:

1. ELEVATIONS SHOWN ARE TOP OF FINISHED GRADE.
2. THE BASIS OF THE GRADING GRID IS 50' OFFSET INCREMENTS OF THE TAXIWAY R ALIGNMENT. ADDITIONAL SPOT ELEVATIONS ARE SHOWN AT TAXILANE U CENTERLINE.
3. PROVIDE SMOOTH TRANSITIONS BETWEEN ALL FINISHED GRADE AND SPOT ELEVATIONS.
4. SEE DEMOLITION SHEETS 9–14 FOR REMOVAL ITEMS.
5. PROPOSED MARKINGS AND ELECTRICAL SYSTEMS NOT SHOWN FOR CLARITY.

STATE OF ALASKA 49TH — Robert W. Burdick CE-123959 — REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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PHONE (907) 269-0590

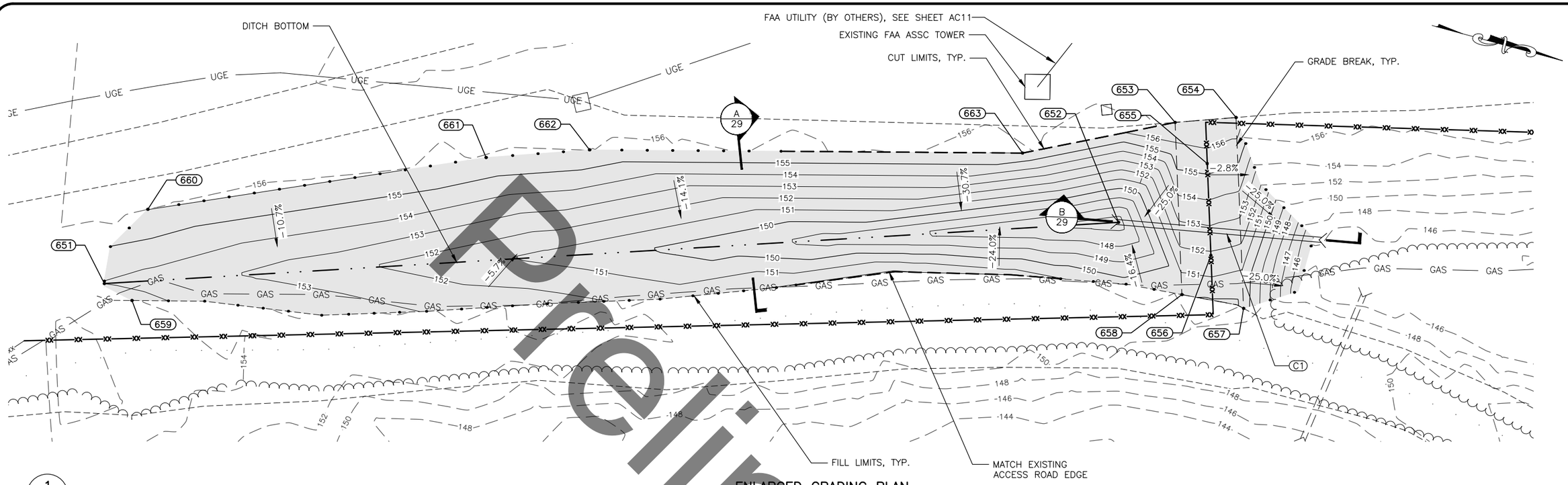
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
GRADING PLAN
TL U STA 83+75 TO EOP

DATE: OCTOBER 2023
SHEET: 28 OF 49

PRELIMINARY

Designed By: RB
Drawn By: RB
Checked By: SB

Date Revised: 10/22/2023 2:04 PM
Layout Name: 28
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Grading Plan.dwg



1/29 ENLARGED GRADING PLAN

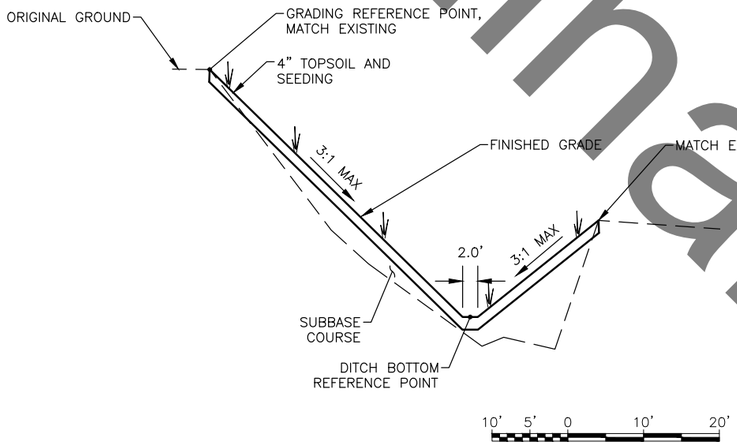
GRADING POINT TABLE				
POINT	STATION	OFFSET (FT)	ELEVATION (FT)	REMARKS
651	440+34.09	245.40 RT	154.00	BEGIN DITCH
652	444+32.61	221.33 RT	146.63	END DITCH
653	444+54.83	182.06 RT	156.63	MATCH EXISTING
654	444+78.76	180.14 RT	156.83	MATCH EXISTING
655	444+67.47	198.27 RT	155.40	FENCE BERM CENTER
656	444+68.90	234.32 RT	151.85	FENCE BERM CENTER
657	444+81.73	255.16 RT	150.58	MATCH EXISTING
658	444+57.50	249.73 RT	150.12	MATCH EXISTING
659	440+44.94	252.04 RT	154.30	MATCH EXISTING
660	440+51.17	216.22 RT	156.01	MATCH EXISTING
661	441+84.08	195.85 RT	156.00	MATCH EXISTING
662	442+24.75	192.85 RT	156.00	MATCH EXISTING
663	443+94.88	194.11 RT	156.00	MATCH EXISTING

NOTES:

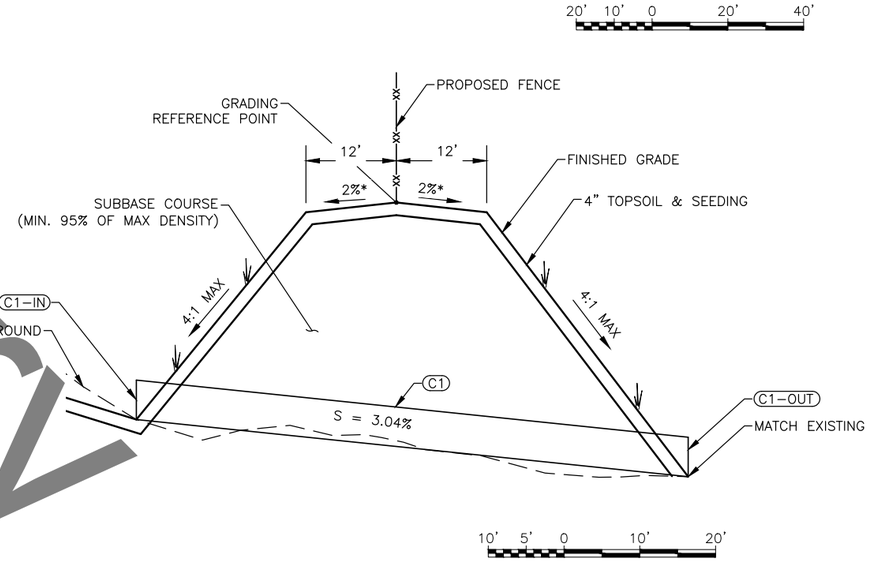
1. HORIZONTAL TO VERTICAL SCALE RATIO IS 1:5.
2. TOPSOIL AND SEED ALL DISTURBED AREAS. USE EXISTING ORGANIC MATERIAL PRIOR TO IMPORTING TOPSOIL.
3. UNDERGROUND UTILITIES IN THESE DRAWINGS ARE SHOWN IN GENERAL LOCATIONS ONLY. OTHER UTILITIES MAY EXIST THROUGHOUT THE PROJECT AREA. DEPTHS OF MOST ARE UNKNOWN. CALL FOR UTILITY LOCATES PRIOR TO BEGINNING EXCAVATION WORK AND DRIVING FENCE POSTS. ADJUST POST SPACING AS REQUIRED TO AVOID EXISTING UTILITIES.
4. SEE SHEET 6 FOR SUMMARY TABLE.
5. SEE SHEET 37 FOR CULVERT INSTALLATION DETAILS.
6. SEE SHEET 40 FOR END SECTION DETAILS.
7. ALL UNCLASSIFIED EXCAVATION SHALL BE USED ON SITE PRIOR TO IMPORTING MATERIAL.

LEGEND:

AREA GRADING



A 29 DITCH SECTION A



B 29 CULVERT SECTION B

* TRANSITION SMOOTHLY OVER 10' TO MATCH EXISTING SLOPES

PRELIMINARY

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Matthew A. Haymes CE-103211

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

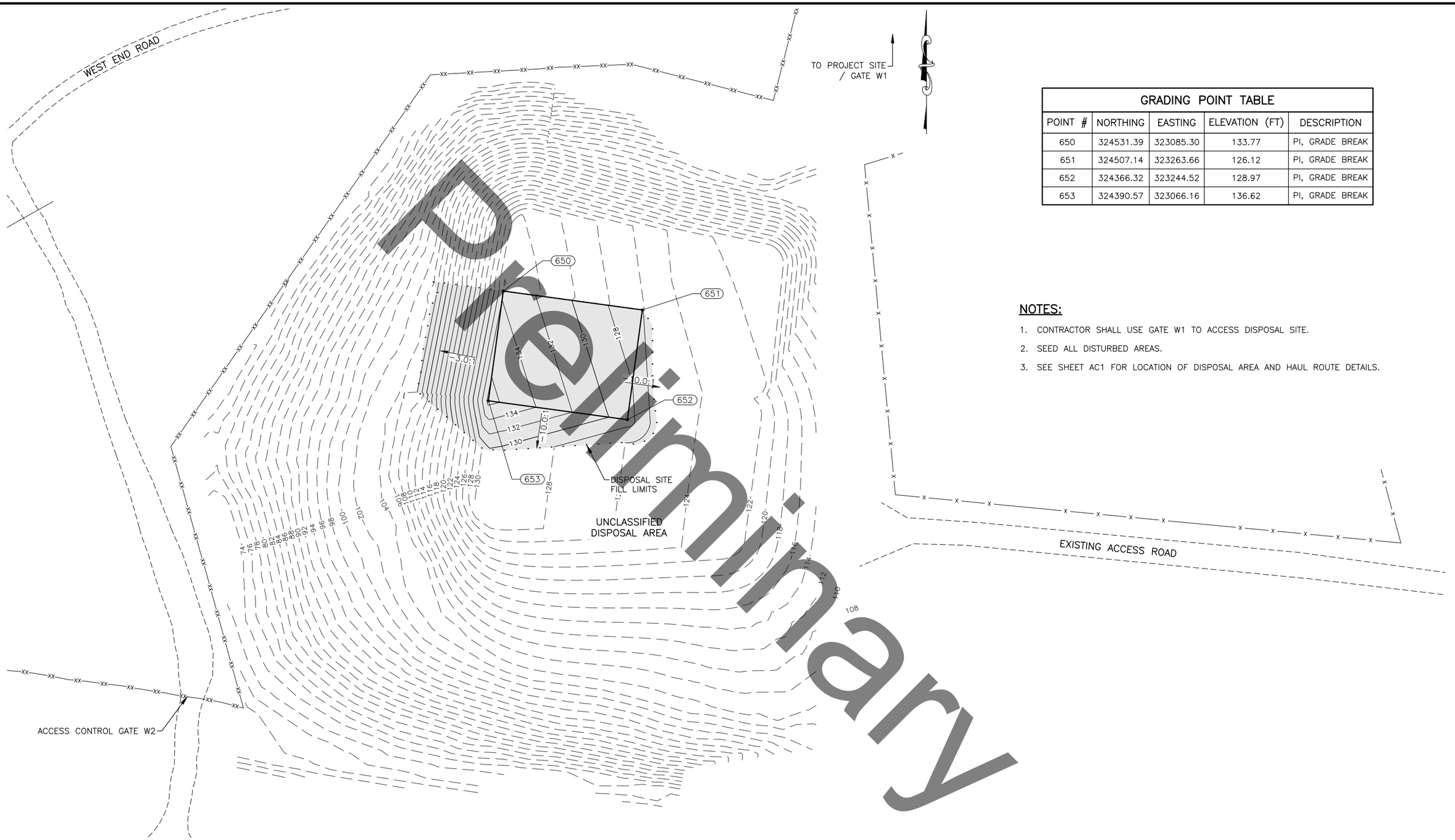
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TAXIWAY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ENLARGED GRADING PLAN

DATE: OCTOBER 2023

SHEET: 29 OF 49

Designed By: KY
Drawn By: KY
Checked By: MH

Date Revised:
Layout Name: 29
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Grading Plan - Enlarged.dwg
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GRADING POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION (FT)	DESCRIPTION
650	324531.39	323085.30	133.77	PI, GRADE BREAK
651	324507.14	323263.66	126.12	PI, GRADE BREAK
652	324366.32	323244.52	128.97	PI, GRADE BREAK
653	324390.57	323066.16	136.62	PI, GRADE BREAK

NOTES:

1. CONTRACTOR SHALL USE GATE W1 TO ACCESS DISPOSAL SITE.
2. SEED ALL DISTURBED AREAS.
3. SEE SHEET AC1 FOR LOCATION OF DISPOSAL AREA AND HAUL ROUTE DETAILS.

1
30

UNCLASSIFIED DISPOSAL AREA GRADING PLAN

60' 30' 0 60' 120'

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Robert W. Burdick CE-123859

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

BY	DATE	REVISION

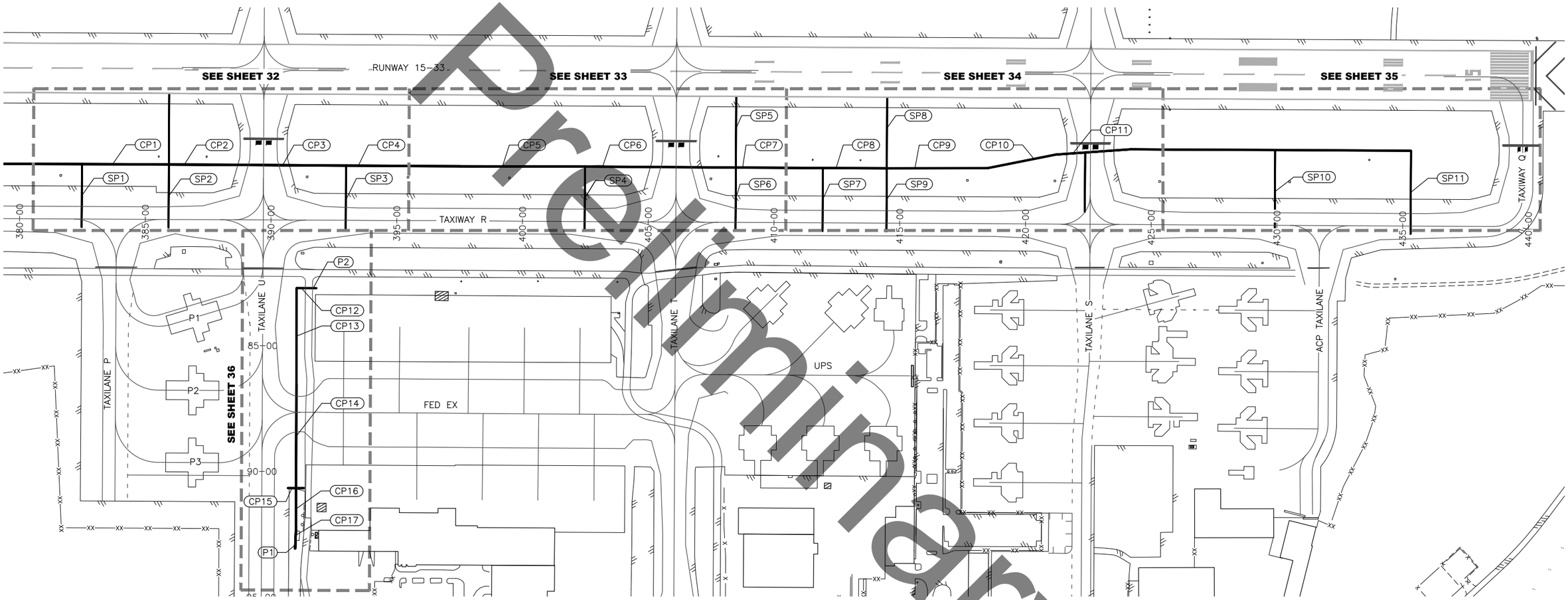
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
DISPOSAL AREA GRADING PLAN

DATE: OCTOBER 2023
SHEET: 30 OF 49

Designed By: RB
Drawn By: KY
Checked By: SB

Date Revised: 10/20/2023 9:59 AM
Layout Name: 30
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Disposal Area Grading Plan.dwg



STORM DRAIN KEY MAP

1
31

200' 100' 0 200' 400'

STATE OF ALASKA
49TH
Rich C. Bailey
CE-130017
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
STEPHL ENGINEERING, LLC
3900 ARCTIC BLVD. SUITE 204
ANCHORAGE, ALASKA 99503
(907) 562–1468
#AECL1308–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

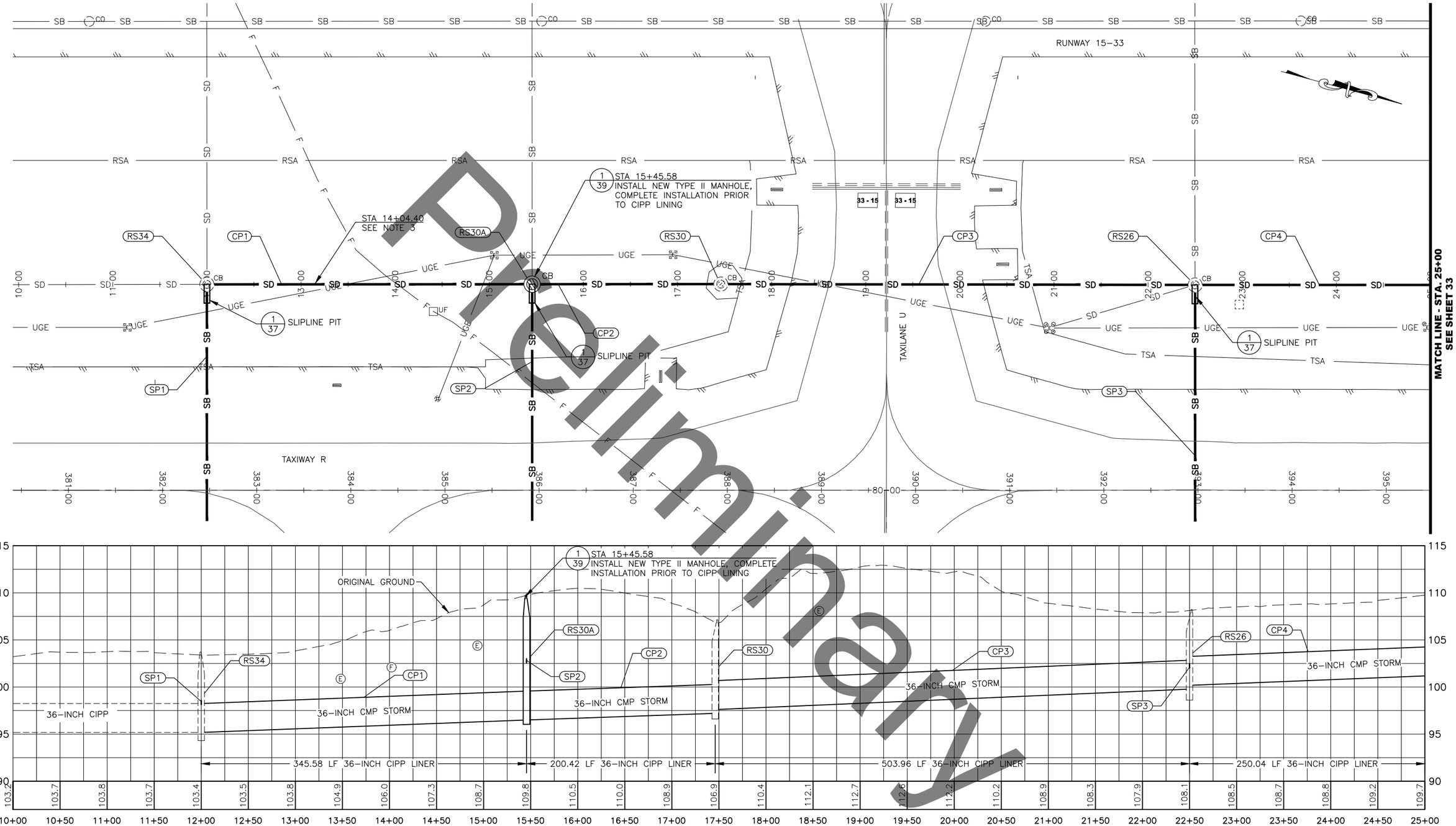
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
STORM DRAIN KEY MAP

DATE: OCTOBER 2023
SHEET: 31 OF 49

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

Date Revised: 10/22/2023 2:07 PM
Layout Name: 31
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Storm Drain Key Map.dwg

Preliminary



Preliminary

NOTES:

1. SEE SHEETS 6–7 FOR STORM DRAIN PIPE AND STRUCTURE SUMMARY TABLES.
2. ELEVATIONS OF SHALLOW UTILITIES SHOWN IN PROFILE ARE APPROXIMATE. NOTIFY ENGINEER IMMEDIATELY IF CONFLICT EXISTS.
3. LOCATION OF EXISTING PIPE REPAIR. A HOLE IN THE PIPE WAS REPAIRED WITH AN EXTERIOR CMP BAND; SHARP EXPOSED EDGES OF THE DAMAGED PIPE REMAIN. PRIOR TO CIPP INSTALLATION, THE CONTRACTOR SHALL TRIM THE EXISTING PIPE USING TRENCHLESS METHODS TO PREVENT DAMAGE TO THE CIPP LINER DURING INSTALLATION. SEE DETAIL 4, SHEET 38.

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Rich C. Bailey
CE-130017

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

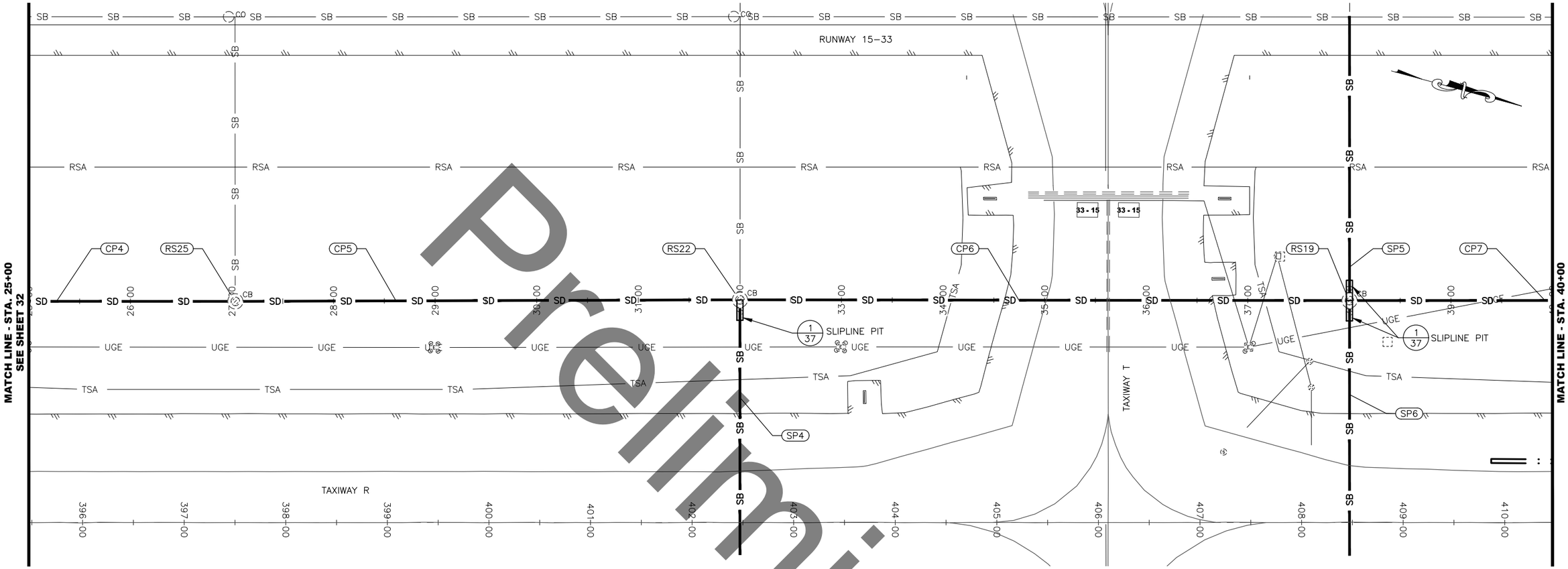
BY	DATE	REVISION

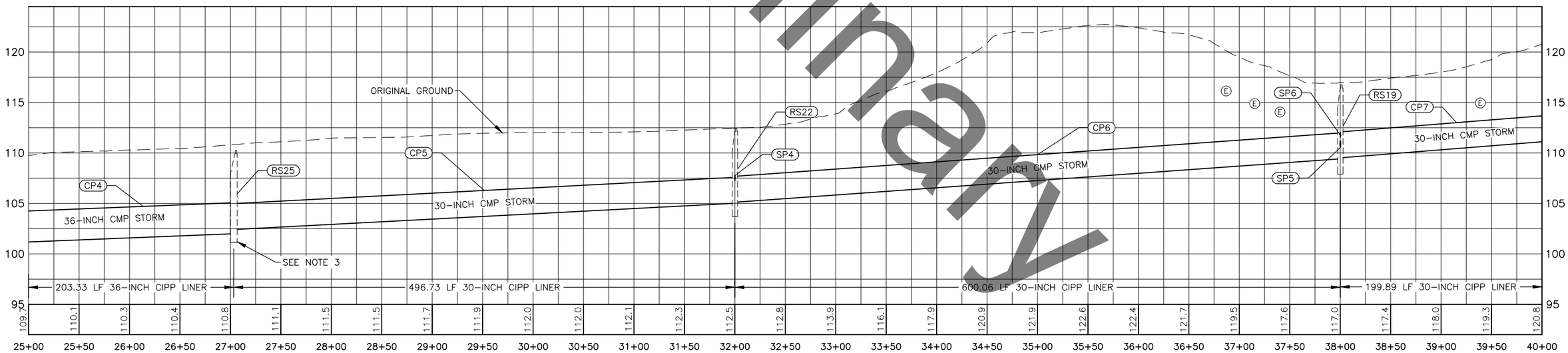
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
STORM DRAIN PLAN & PROFILE
STA 10+00 TO STA 25+00

DATE: OCTOBER 2023
SHEET: 32 OF 49

Designed By: JM
Drawn By: KY
Checked By: RB
Date Revised:
Layout Name: 32
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Storm Drain P&P.dwg
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Preliminary

NOTES:

1. SEE SHEETS 6–7 FOR STORM DRAIN PIPE AND STRUCTURE SUMMARY TABLES.
2. ELEVATIONS OF SHALLOW UTILITIES SHOWN IN PROFILE ARE APPROXIMATE. NOTIFY ENGINEER IMMEDIATELY IF CONFLICT EXISTS.
3. PIPE INVERT ELEVATIONS IN STRUCTURE RS25 ARE APPROXIMATED FROM MEASUREMENTS MADE DURING CONDITION ASSESSMENT.

STATE OF ALASKA 49TH — Rich C. Bailey CE-130017 — REGISTERED PROFESSIONAL ENGINEER

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

BY	DATE	REVISION

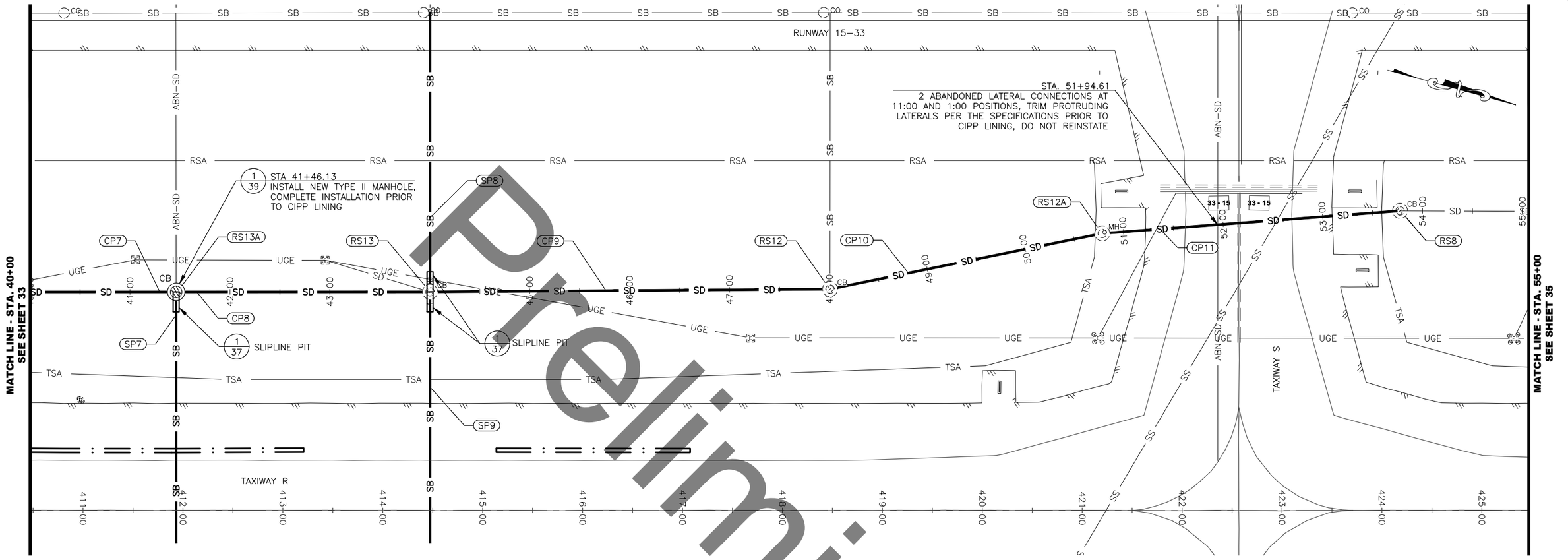
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

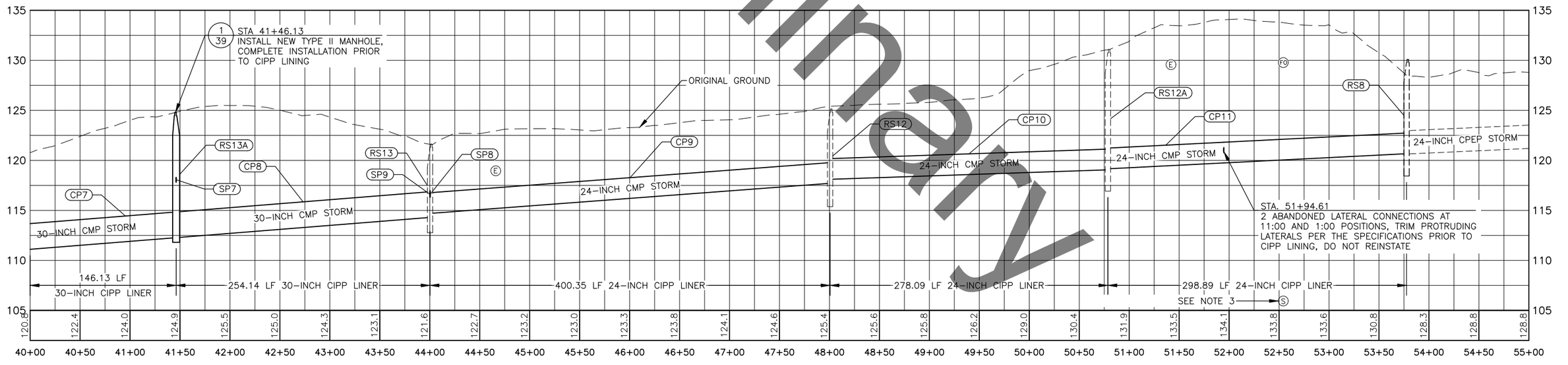
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
STORM DRAIN PLAN & PROFILE
STA 25+00 TO STA 40+00

DATE: OCTOBER 2023
SHEET: 33 OF 49

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

Date Revised:
Layout Name: 33
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 civil\00880-ANC-Storm Drain P&P.dwg
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Preliminary

NOTES:

1. SEE SHEETS 6-7 FOR STORM DRAIN PIPE AND STRUCTURE SUMMARY TABLES.
2. ELEVATIONS OF SHALLOW UTILITIES SHOWN IN PROFILE ARE APPROXIMATE. NOTIFY ENGINEER IMMEDIATELY IF CONFLICT EXISTS.
3. SANITARY SEWER INTERCEPTOR ELEVATION LOWER THAN PROFILE.

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Rich C. Bailey
CE-130017

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

BY	DATE	REVISION

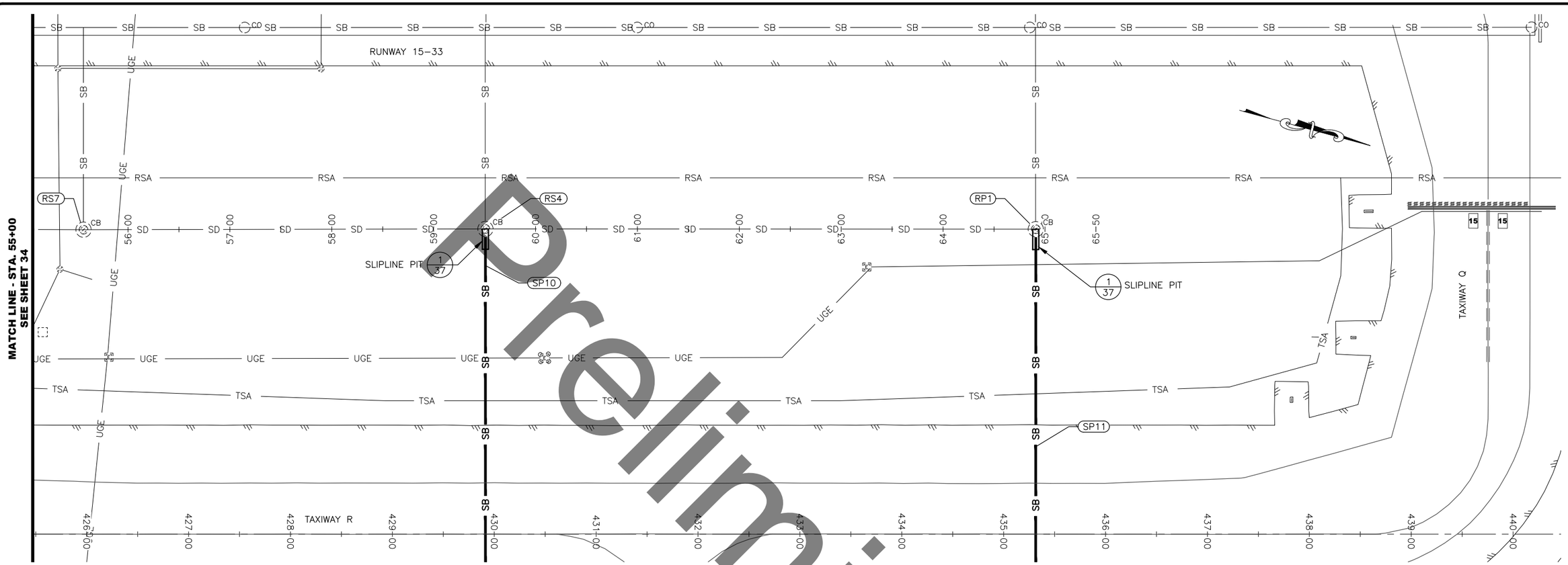
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

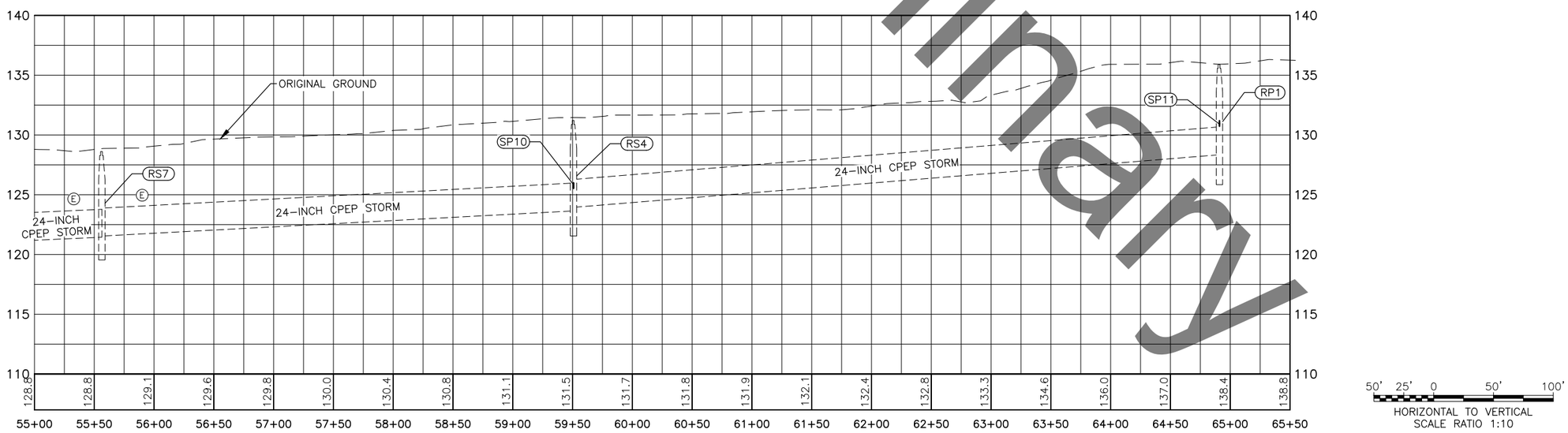
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
STORM DRAIN PLAN & PROFILE
STA 40+00 TO STA 55+00

DATE: OCTOBER 2023
SHEET: 34 OF 49

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

Date Revised:
Layout Name: 34
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File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Storm Drain P&P.dwg





50' 25' 0 50' 100'

HORIZONTAL TO VERTICAL
SCALE RATIO 1:10

Preliminary

NOTES:

1. SEE SHEETS 6–7 FOR STORM DRAIN PIPE AND STRUCTURE SUMMARY TABLES.
2. ELEVATIONS OF SHALLOW UTILITIES SHOWN IN PROFILE ARE APPROXIMATE. NOTIFY ENGINEER IMMEDIATELY IF CONFLICT EXISTS.

STATE OF ALASKA
49TH
Rich C. Bailey
CE-130017
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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

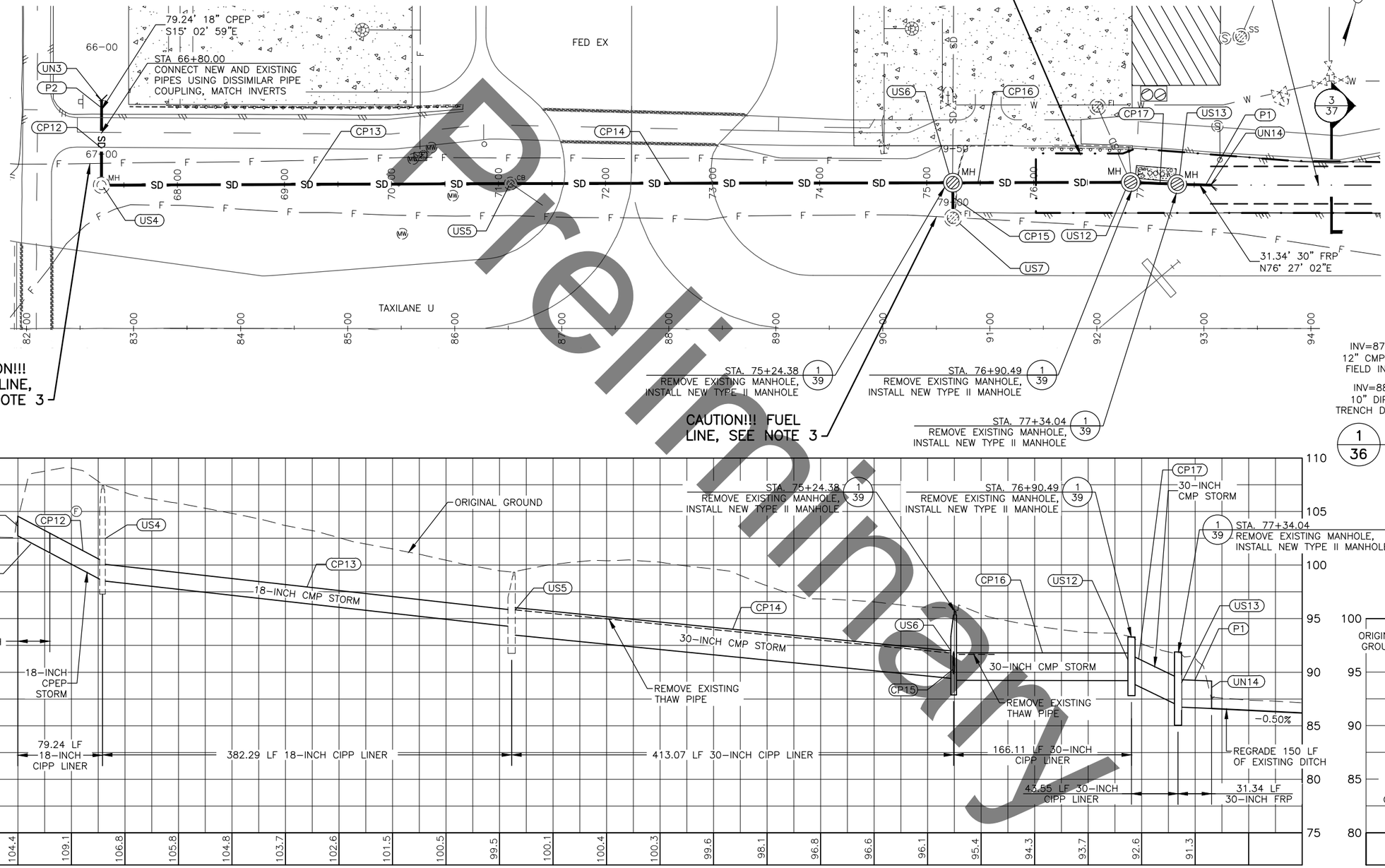
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
STORM DRAIN PLAN & PROFILE
STA 50+00 TO STA 65+50

DATE: OCTOBER 2023

SHEET: 35 OF 49

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

Date Revised:
Layout Name: 35
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Storm Drain P&P.dwg
10/22/2023 2:09 PM



Preliminary

NOTES:

1. SEE SHEETS 6–7 FOR STORM DRAIN PIPE AND STRUCTURE SUMMARY TABLES.
2. ELEVATIONS OF SHALLOW UTILITIES SHOWN IN PROFILE ARE APPROXIMATE. NOTIFY ENGINEER IMMEDIATELY IF CONFLICT EXISTS.
3. ALL GROUND DISTURBING WORK WITHIN 10 FT OF THE FUEL LINE WILL REQUIRE A STAND–BY WATCH. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION.
4. REFER TO SHEET 14 FOR PFAS ZONE LIMITS AND NOTES 12–14 FOR PFAS HANDLING REQUIREMENTS.

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Rich C. Bailey
CE-130017

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

BY	DATE	REVISION

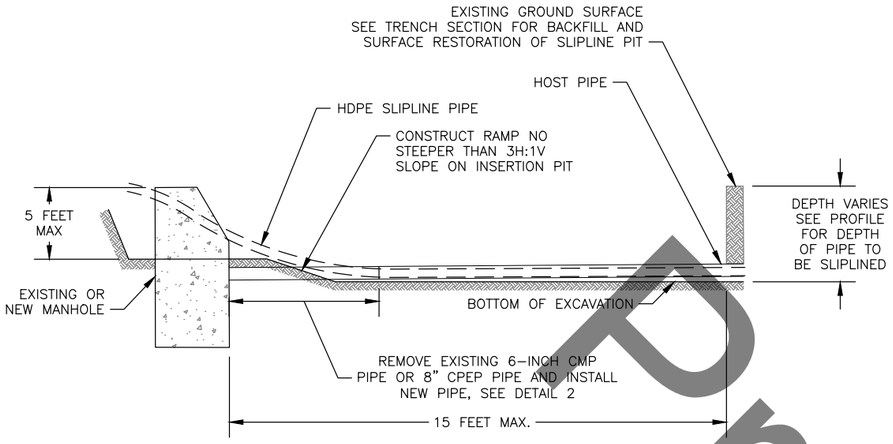
STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
CENTRAL REGION
4111 AVIATION AVE., ANCHORAGE ALASKA 99502
PHONE (907) 269-0590

TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
STORM DRAIN PLAN & PROFILE

DATE: OCTOBER 2023
SHEET: 36 OF 49

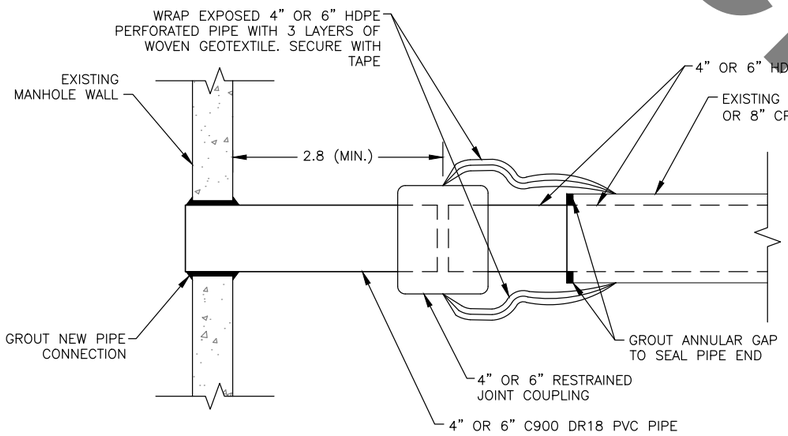
Designed By: JM
Drawn By: KY
Checked By: RB

Date Revised:
Layout Name: 36
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Storm Drain P&P.dwg
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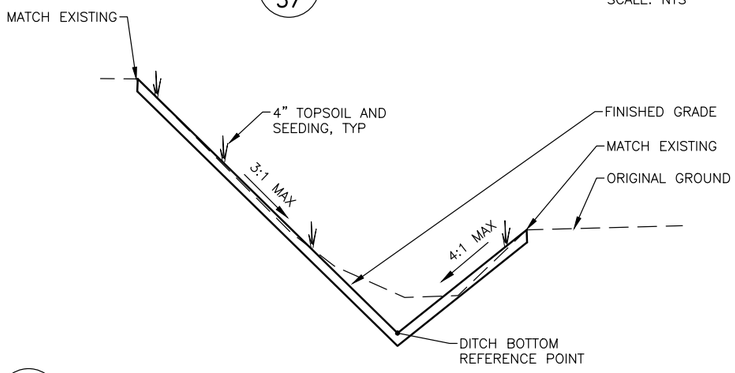
1/37 SLIPLINE PIT DETAIL

SCALE: NTS



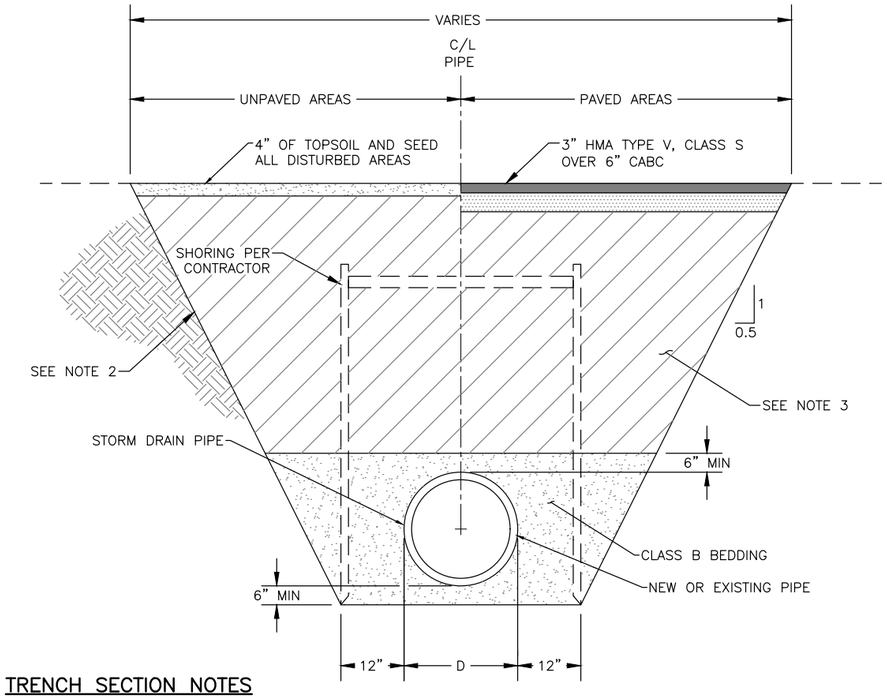
2/37 SLIPLINE TO MANHOLE PIPE CONNECTION DETAIL

SCALE: NTS



3/37 DITCH GRADING DETAIL

SCALE: NTS

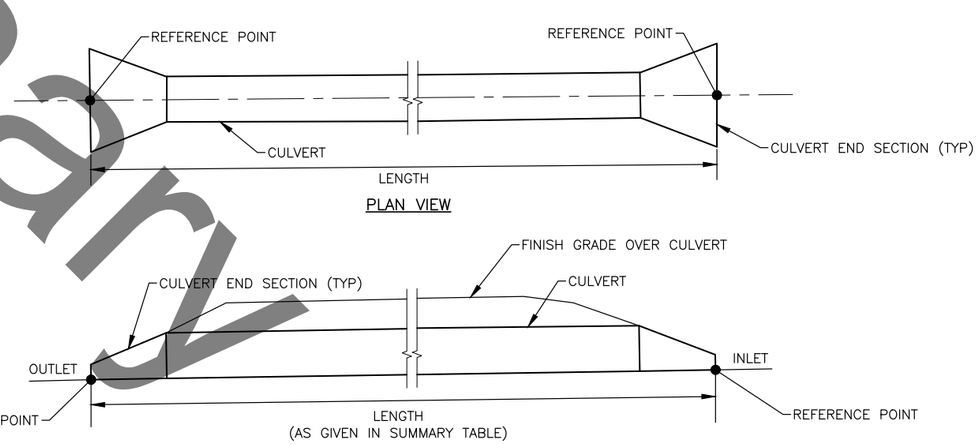


TRENCH SECTION NOTES

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 SHALL BE SUITABLE MATERIALS COMPACTED TO 95% MAX. DENSITY.
4. COMPACT CABC TO 98% MAX. DENSITY.

4/37 STORM DRAIN/CULVERT TRENCH SECTION

SCALE: NTS



5/37 CULVERT REFERENCE DETAIL

SCALE: NTS

Preliminary

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER
Rich C. Bailey
CE-130017

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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

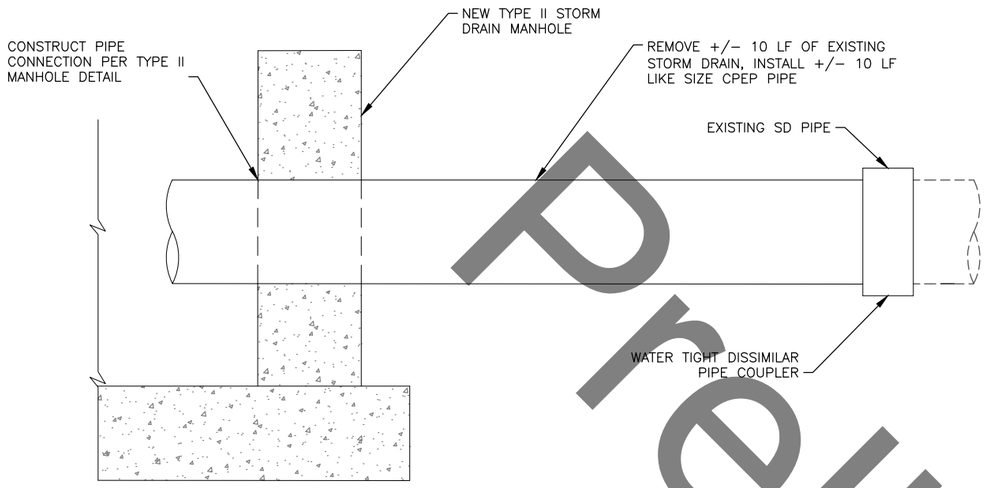
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ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
STORM DRAIN DETAILS

DATE: OCTOBER 2023

SHEET: 37 OF 49

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

Date Revised: 10/20/2023 9:55 AM
Layout Name: 37
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00860-ANC-Storm Drain Details.dwg



1/38 STORM MANHOLE PIPE CONNECTION DETAIL

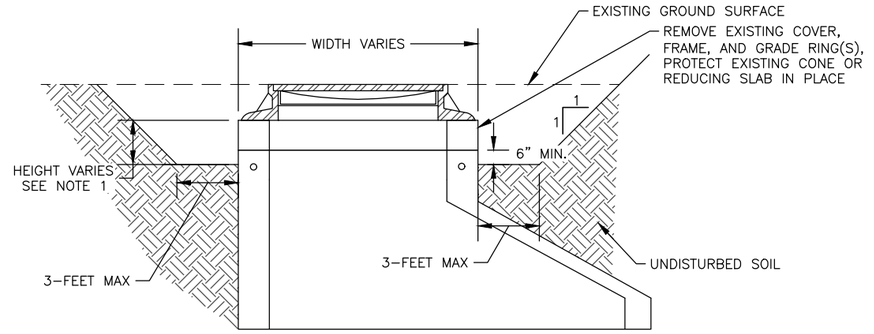
SCALE: NTS



4/38 STA. 14+04.40 CMP DAMAGE

SCALE: NTS

NOTE: CONTACTOR SHALL UTILIZE TRENCHLESS METHODS TO REMOVE DAMAGED CMP. EXCAVATION WILL NOT BE PERMITTED.

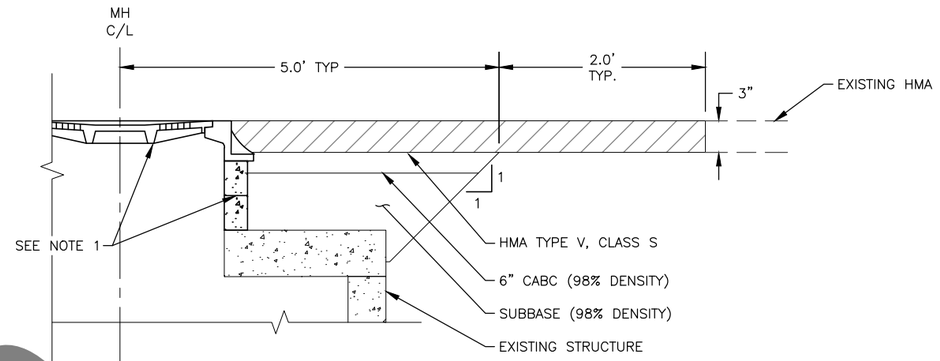


SECTION VIEW

STRUCTURE	EXISTING GRADE RINGS QUANITY HEIGHT
RS34	1'–6"
RS26	1'–6"
RS22	1'–6"
RS19	1'–6"
RS13	1'–6"

2/38 COVER, FRAME, GRADE RING REPLACEMENT – NON–PAVED AREAS

SCALE: NTS



STRUCTURE	EXISTING GRADE RINGS QUANITY HEIGHT
US4	4'–20"
US5	2'–6"

3/38 COVER, FRAME, GRADE RING REPLACEMENT – PAVED AREAS

SCALE: NTS

NOTES:

1. FURNISH AND INSTALL STORM DRAIN MANHOLE FRAME, COVER, AND GRADE RING(S) PER TYPE II MANHOLE DETAIL. SEE TABLE FOR NUMBER AND SIZE OF GRADE RINGS. CONTRACTOR SHALL CONFIRM GRADE RING QUANTITIES PRIOR TO ORDERING MATERIALS.
2. SET AND SEAL COMPONENTS WITH PLASTIC GASKET JOINT SEALER.
3. SEAL EXTERIOR GRADE RING JOINTS WITH EXTERIOR JOINT SEALANT.
4. PAYMENT FOR FOR DEMOLITION WORK, SUBBASE, CABC, AND PAVEMENT REQUIRED TO REMOVE AND RESET EXISTING STORM DRAIN STRUCTURE COMPONENTS SHALL BE SUBSIDIARY TO THE APPLICABLE CIPP PAY ITEM.
5. CONTACTOR SHALL UTILIZE TRENCHLESS METHODS TO REMOVE DAMAGED CMP. EXCAVATION WILL NOT BE PERMITTED.

Preliminary

STATE OF ALASKA 49TH Rich C. Bailey CE-130017 REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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3940 ARCTIC BLVD. SUITE 300
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BY	DATE	REVISION

STATE OF ALASKA
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ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
STORM DRAIN DETAILS

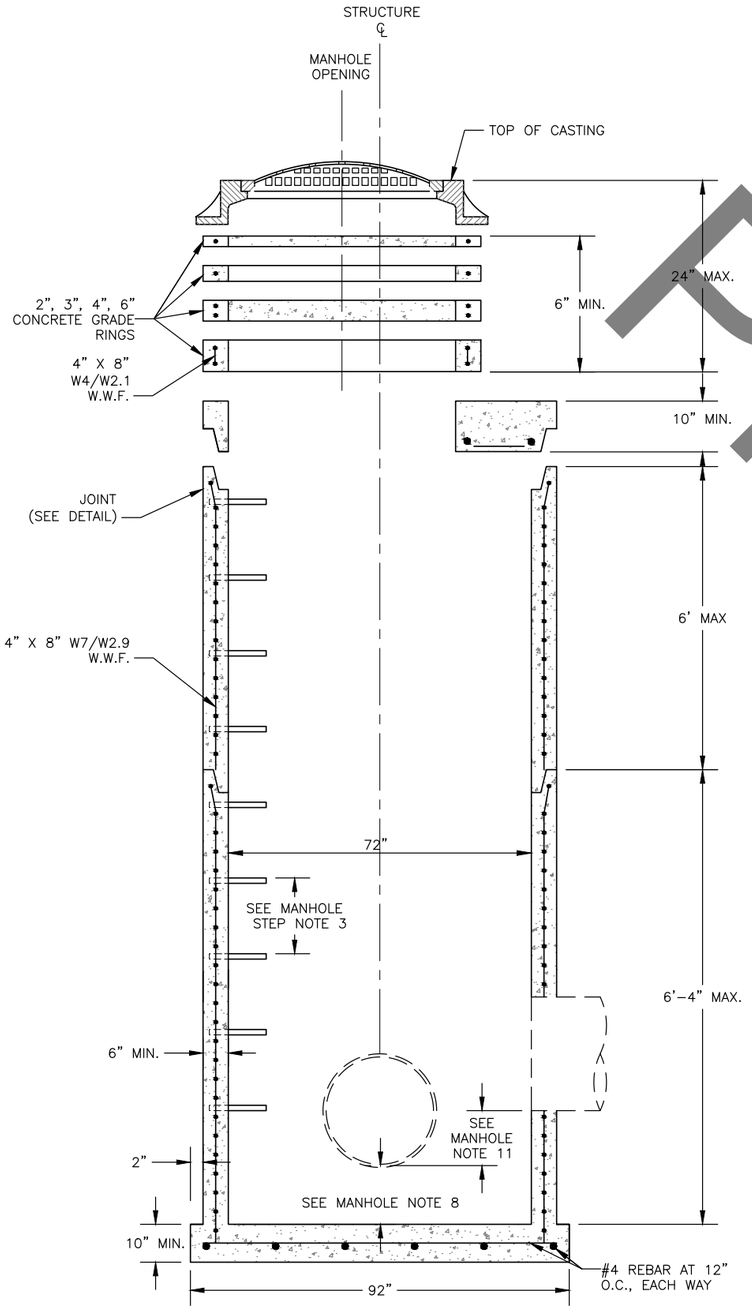
DATE: OCTOBER 2023

SHEET: 38 OF 49

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Drawn By: KY
Checked By: RB

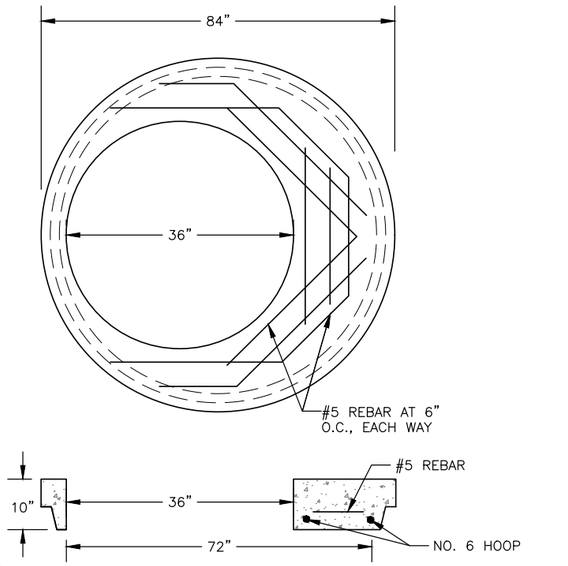
Date Revised:
Layout Name: 38
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Storm Drain Details.dwg
10/20/2023 9:55 AM

Preliminary



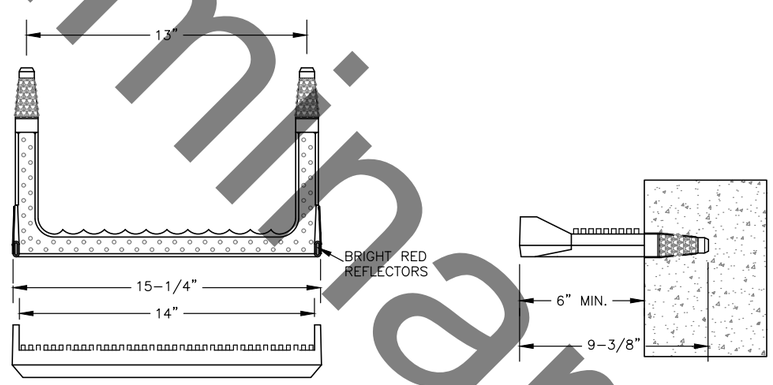
1 / 39 STORM DRAIN MANHOLE, TYPE II

SCALE: NTS



2 / 39 REDUCING SLAB

SCALE: NTS



MANHOLE STEP NOTES:

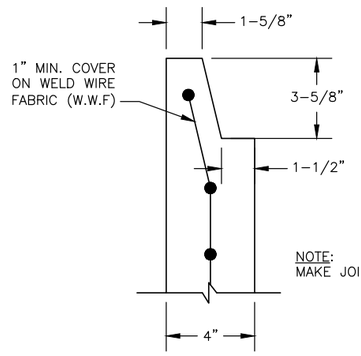
1. MANHOLE STEPS SHALL BE INJECTION MOLDED POLYPROPYLENE COVERED GRADE 60 STEEL TIGHTLY IMBEDDED AT LEAST 3" INTO CONCRETE.
2. THE INSTALLED STEPS SHALL RESIST A PULLOUT FORCE OF 1500 LB.
3. STEPS SHALL BE PLACED 12" O.C. ON AN UNOBSTRUCTED SIDE OF THE STRUCTURE, 24" MAX. FROM TOP OF CASTING AND 18" FROM MANHOLE BASE.

3 / 39 MANHOLE STEP

SCALE: NTS

MANHOLE NOTES:

1. THESE DRAWINGS ARE FOR PRECAST REINFORCED CONCRETE TYPE II MANHOLES.
2. MAXIMUM KNOCKOUT SIZE FOR PIPES IS 44".
3. 24" AND LARGER AND PIPES <90° APART, NEED 8" VERTICAL CLEARANCE.
4. USE CONCRETE WITH A MINIMUM 4000 PSI 28 DAY COMPRESSIVE STRENGTH AND 6% ± 1.5% AIR ENTRAINMENT. MAXIMUM WATER/CEMENT RATIO IS 0.45.
5. MINIMUM STEEL REQUIRED FOR BARREL AS PER AASHTO M199 SHALL BE EMBEDDED IN BASE SO THAT THE FIRST BARREL SECTION IS CONNECTED TO THE BASE BY CONTINUOUS STEEL
6. MINIMUM COVER ON REINFORCING STEEL IS 1".
7. FORM ALL BLOCKOUTS.
8. ALL STORM DRAIN MANHOLES AND INLETS SHALL HAVE 18" MINIMUM SUMPS.
9. PLACE MANHOLE BASE ON 6" MIN. SUITABLE MATERIAL. COMPACTED TO A MINIMUM 98% OF MAXIMUM DENSITY.
10. EXTEND PIPE A MINIMUM OF 2" INTO MANHOLE.
11. MINIMUM DROP BETWEEN PIPES IS 1.5"
12. PIPE LENGTH AND INVERT, AND SLOPE ARE MEASURED FROM CENTER OF MANHOLE.
13. SEAL EXTERIOR GRADE RING JOINTS WITH EXTERIOR JOINT SEALANT.
14. CONTRACTOR SHALL SUBMIT STORM MANHOLE BUILD SHEETS WITH PROPOSED COMPONENTS AND DIMENSIONS FOR APPROVAL BY THE ENGINEER PRIOR TO ORDERING MATERIALS.
15. WHERE PIPES THAT WILL BE CONNECTED TO NEW MANHOLES ARE NOT ACCESSIBLE, THE CONTRACTOR WILL DETERMINE THE INVERT ELEVATION OF THE PIPE CONNECTIONS DURING MANHOLE INSTALLATION AND CORE THE MANHOLE WALL IN THE FIELD.



(NOMINAL DIMENSIONS)

4 / 39 JOINT DETAIL

SCALE: NTS

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER Rich C. Bailey CE-130017

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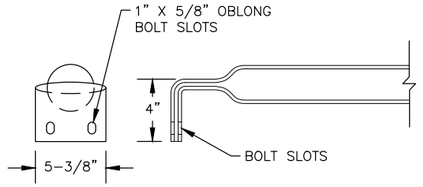
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ANCHORAGE, ALASKA
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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
STORM DRAIN DETAILS

DATE: OCTOBER 2023

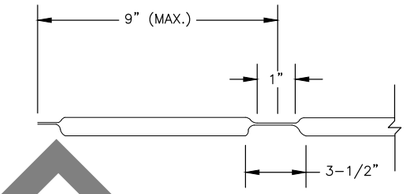
SHEET: 39 OF 49

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Drawn By: KY
Checked By: RB

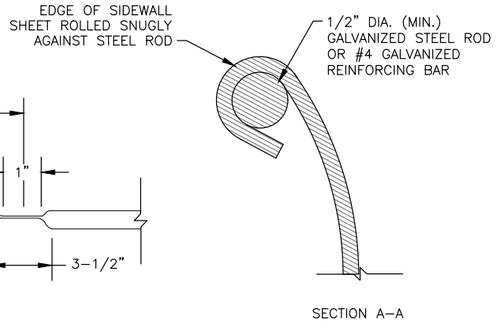
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1/40 SAFETY BAR DETAIL
SCALE: NTS



2/40 LONGITUDINAL BAR
SCALE: NTS

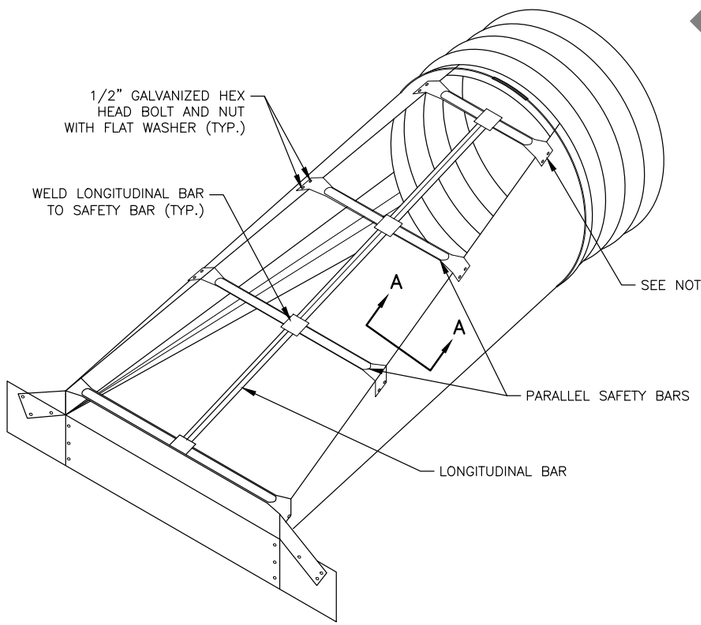


3/40 REINFORCED EDGE DETAIL
SCALE: NTS

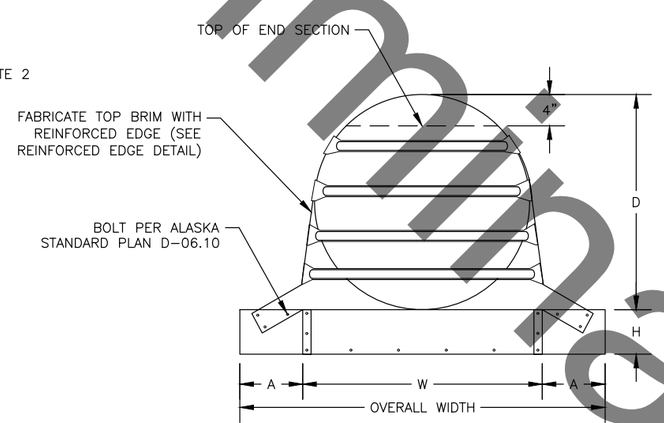
SAFETYT BAR DETAIL NOTES:

1. FABRICATE SAFETY AND LONGITUDINAL BARS FROM 3-INCH STEEL PIPE, CONFORMING TO ASTM A53 SCHEDULE 40 SPECIFICATIONS. HOT-DIP GALVANIZE BARS TO MEET AASHTO M111 AFTER FABRICATION.
2. TO ATTACH SAFETY BARS: FLATTEN PIPE ENDS AND DOWNTURN OUTSIDE 4 INCHES OF EACH END TO ABUT END SECTION SIDES.
3. CONNECT SAFETY BAR END SECTION TO PIPE PER ALASKA STANDARD PLAN D-06.10.
4. SAFETY AND LONGITUDINAL BARS ARE SUBSIDIARY TO PAY ITEM D701.010.0018.
5. INSTALL SAFETY BARS ON C1 INLET END SECTION ONLY.
6. GAP BETWEEN PARALLEL SAFETY BARS SHALL BE 6" MAX

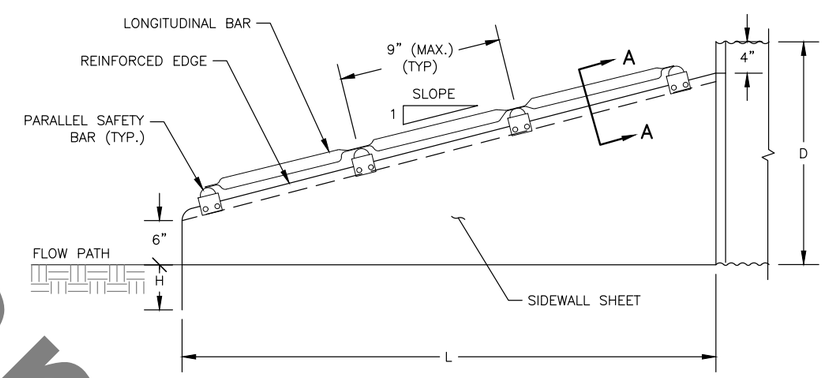
METAL SAFETY BAR END SECTIONS FOR ROUND PIPE						
PIPE SIZE D INCH	METAL THICK (MIN.) INCH/GAGE	DIMENSIONS INCH				
		A	H	W	OVERALL WIDTH	L SLOPE = 4
18	0.109/12	8	6	36	52	32



ORTHO VIEW



FRONT VIEW



ELEVATION VIEW

1/40 SAFETY BAR END SECTION DETAIL
SCALE: NTS

NOTES:

1. SAFETY BAR END SECTION DETAILS ONLY APPLIES TO CULVERT C1.

Preliminary

STATE OF ALASKA 49TH
Matthew A. Haymes
CE-103211
REGISTERED PROFESSIONAL ENGINEER

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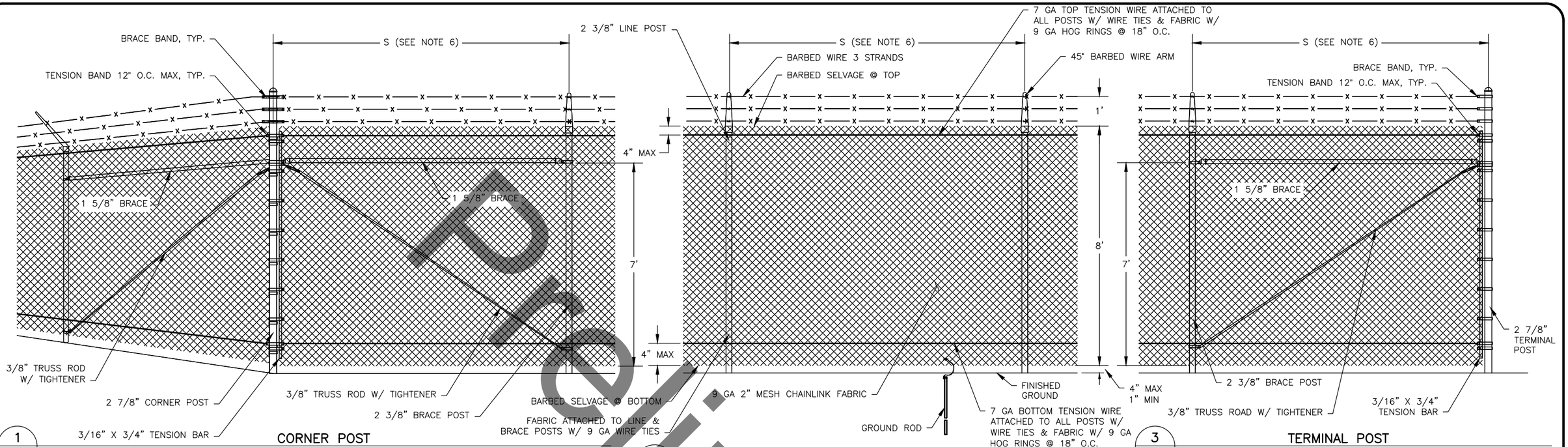
BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
STORM DRAIN DETAILS

DATE: OCTOBER 2023
SHEET: 40 OF 49

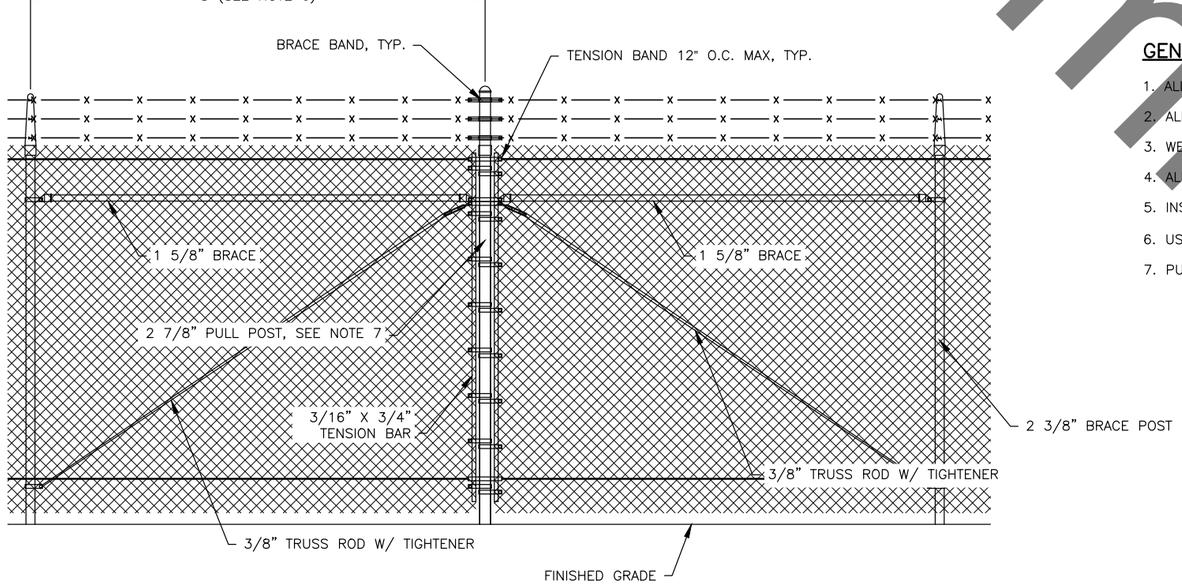
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Drawn By: KY
Checked By: MH
Date Revised: 10/20/2023 9:55 AM
Layout Name: 40
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Storm Drain Details.dwg



1/41 CORNER POST
SCALE: NTS

2/41 LINE POST
SCALE: NTS

3/41 TERMINAL POST
SCALE: NTS



4/41 PULL POST
SCALE: NTS

GENERAL FENCE NOTES:

1. ALL FABRIC TERMINATIONS SHALL BE MADE WITH 3/16" X 3/4" TENSION BARS AND BANDS.
2. ALL FENCE COMPONENTS SHALL BE ASSEMBLED WITH CORRECTLY SIZED BANDS, CAPS, AND FIXTURES.
3. WELDED COMPONENTS SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION.
4. ALL HARDWARE SHALL BE MALLEABLE AND HOT DIPPED GALVANIZED.
5. INSTALL POST CAPS ON ALL POSTS AND UPRIGHTS WITHOUT BARBED WIRE ARMS.
6. USE EQUAL POLE SPACING (S). MAXIMUM POLE SPACING IS 10 FEET.
7. PULL POST SHALL HAVE A MAXIMUM SPACING OF 250 FEET.

Preliminary

STATE OF ALASKA — 49TH — Matthew A. Haymes CE-103211 — REGISTERED PROFESSIONAL ENGINEER

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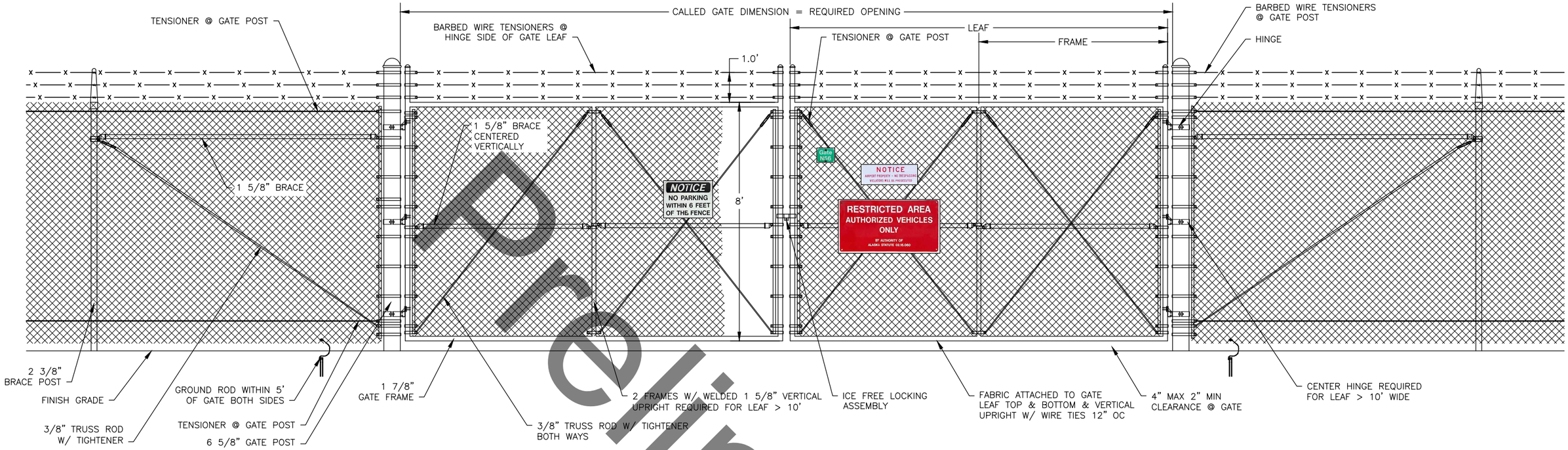
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ANC TAXIWAY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
SECURITY FENCE DETAILS

DATE: OCTOBER 2023
SHEET: 41 OF 49

Designed By: KY
Drawn By: KY
Checked By: MH
Date Revised:
Layout Name: 41
File Path and Name: J:\JobsData\301125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Security Gate Details.dwg 10/20/2023 9:53 AM



1
42

DOUBLE SWING GATE

SCALE: NTS

Preliminary

GATE NOTES:

1. DOUBLE GATES SHALL BE SYMMETRICAL @ CENTERLINE.
2. GATE LEAVES SHALL BE COMPLETELY ASSEMBLED BEFORE FABRIC IS APPLIED.
3. LEAVES SHALL BE WELDED CONSTRUCTION & HOT DIPPED GALVANIZED AFTER FABRICATION.
4. GAPS @ HINGES AND LATCHES SHALL BE THE OPTIMUM REQUIRED FOR PROPER OPERATION.
5. GATE HINGES SHALL BE INSTALLED, PINNED OR RIVETED TO RESIST LIFTING THE LEAF WHEN THE GATE IS CLOSED.
6. HINGES SHALL PIVOT WITHIN THE HINGE ASSEMBLY & NOT AT THE GATE LEAF UPRIGHT.
7. GATE LEAVES SHALL SWING THROUGH AN ARC > 110° TO EITHER SIDE OF FENCE LINE.
8. ALL HARDWARE SHALL BE MALLEABLE AND HOT DIPPED GALVANIZED.
9. INSTALL POST CAPS ON ALL POSTS AND UPRIGHTS WITHOUT BARBED WIRE ARMS.

STATE OF ALASKA
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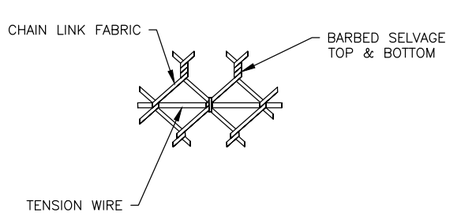
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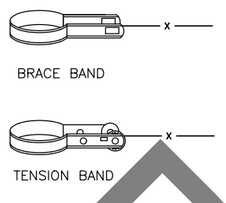
SHEET: 42 OF 49

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Checked By: MH

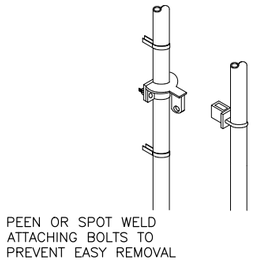
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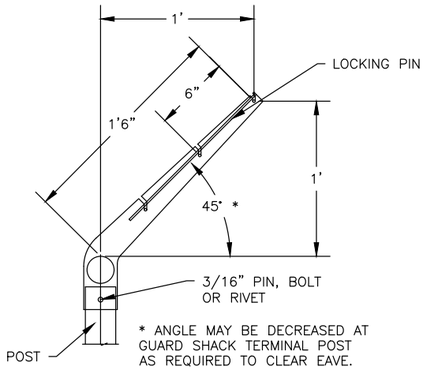
1 / 43 FABRIC TO TENSION WIRE FASTENERS
SCALE: NTS



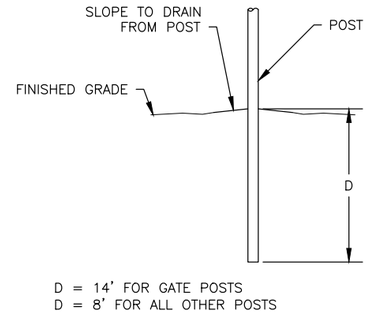
2 / 43 TENSIONERS FOR STRANDED WIRE
SCALE: NTS



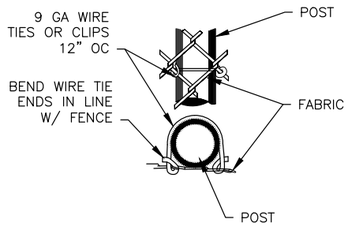
3 / 43 ICE FREE LOCKING ASSEMBLY
SCALE: NTS



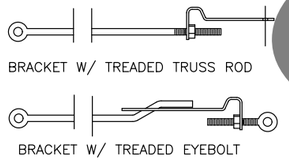
4 / 43 LINE POST BARBED WIRE ARM
SCALE: NTS



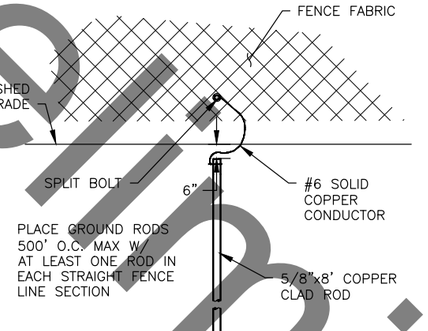
5 / 43 POST FOUNDATION
SCALE: NTS



6 / 43 FABRIC TO TUBULAR POST FASTENERS
SCALE: NTS



7 / 43 TRUSS ROD W/ TIGHTENER
SCALE: NTS



8 / 43 GROUND ROD
SCALE: NTS

Preliminary

Designed By: KY
Drawn By: KY
Checked By: MH

Date Revised:
Layout Name: 43
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-Security Gate Details.dwg

STATE OF ALASKA
49TH
Matthew A. Haymes
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REGISTERED PROFESSIONAL ENGINEER

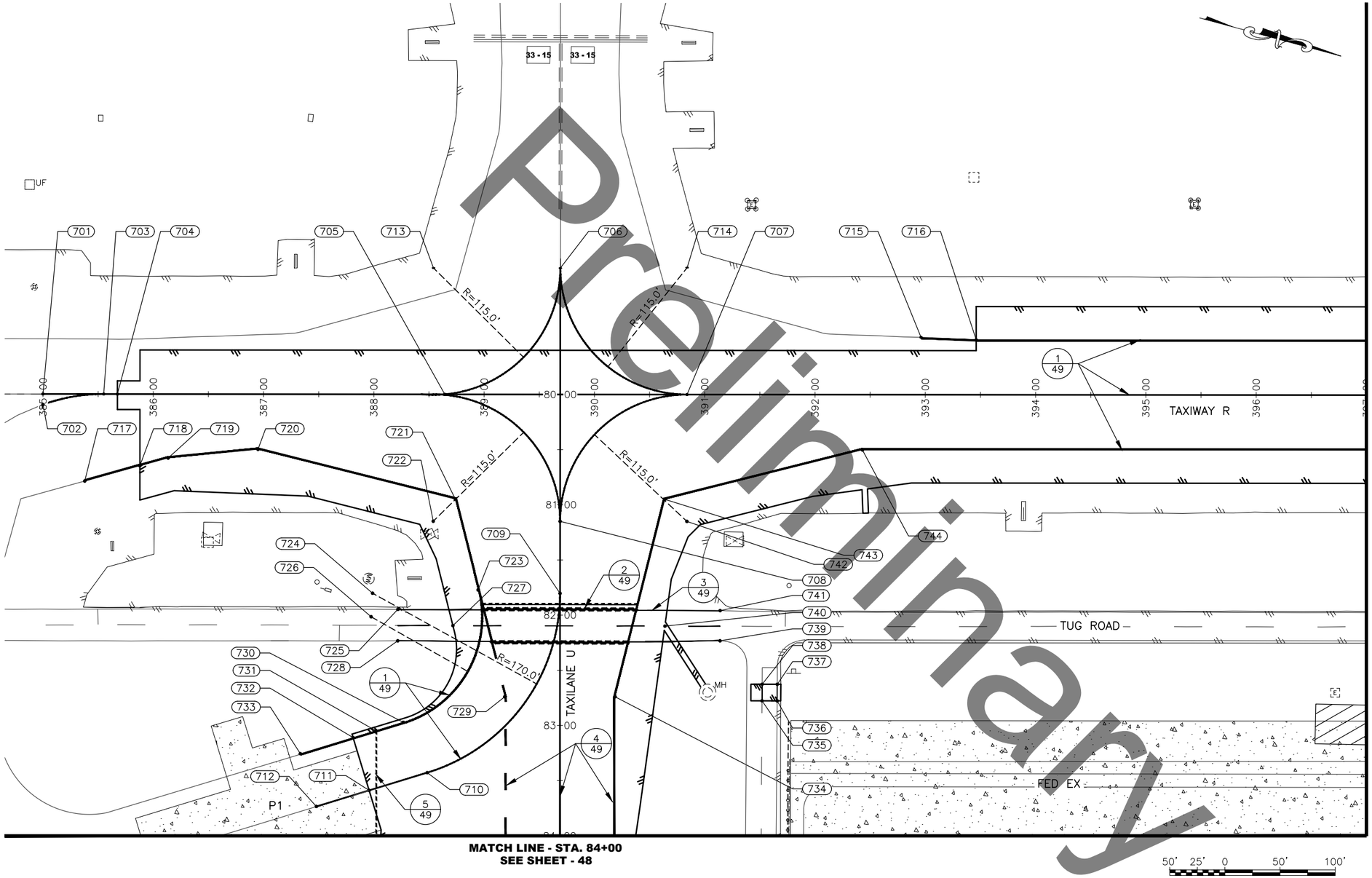
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SECURITY FENCE DETAILS

DATE: OCTOBER 2023
SHEET: 43 OF 49



MATCH LINE - STA. 397+00
SEE SHEET - 45

MATCH LINE - STA. 84+00
SEE SHEET - 48

Preliminary

POINT SUMMARY

POINT	STATION	OFFSET (FT)	REMARKS
701	385+00.00	0.00 CL	ME
702	385+00.00	9.55 RT	PC, R = 160.0'
703	385+55.04	0.00 CL	PT
704	385+67.49	0.00 CL	PI
705	388+64.35	0.00 CL	PC, R = 115.0'
706	389+68.97	114.53 LT	PT, ME
707	390+83.97	0.00 CL	PC, R = 115.0'
708	389+68.97	115.00 RT	PT
709	389+68.98	180.33 RT	PC, R = 170.0'
710	388+48.68	342.90 RT	PT
711	387+96.00	359.01 RT	PI
712	387+48.18	373.63 RT	ME
713	388+53.97	114.53 LT	RP, R = 115.0'
714	390+83.97	115.00 LT	RP, R = 115.0'
715	392+96.08	52.07 LT	ME
716	393+46.08	50.00 LT	PI
717	385+37.94	78.86 RT	ME
718	385+87.94	64.92 RT	PI
719	386+13.55	57.92 RT	PI
720	386+94.97	50.00 RT	PI
721	388+73.97	95.00 RT	PI
722	388+53.97	115.00 RT	RP, R = 115.0'
723	388+94.65	177.26 RT	PC, R = 100.0'
724	387+98.98	180.33 RT	RP, R = 170.0'
725	388+21.88	194.93 RT	ME
726	387+97.67	201.64 RT	RP, R = 100.0'
727	388+71.85	209.61 RT	PI
728	388+21.83	223.43 RT	ME
729	389+18.98	274.00 RT	PI
730	388+26.91	297.28 RT	PT
731	388+01.98	304.90 RT	PI
732	387+81.45	311.17 RT	PI
733	387+33.64	325.79 RT	ME
734	390+18.98	274.00 RT	PI
735	391+52.19	277.53 RT	ME
736	391+65.90	277.54 RT	ME
737	391+65.98	262.54 RT	ME
738	391+52.29	262.53 RT	ME
739	391+14.09	223.19 RT	ME
740	390+64.11	209.91 RT	PI
741	391+14.13	195.81 RT	ME
742	390+83.97	115.00 RT	RP, R = 115.0'
743	390+63.97	95.00 RT	PI
744	392+42.97	50.00 RT	PI

Designed By: RB
Drawn By: SJ
Checked By: SB

Date Revised:
Layout Name: 44
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\09 Cadd 2019\01 Working Set\01 Civil\00880-ANC-TW R Marking Plan.dwg 10/22/2023 2:13 PM

STATE OF ALASKA
40TH
Robert W. Burdick
CE-123959
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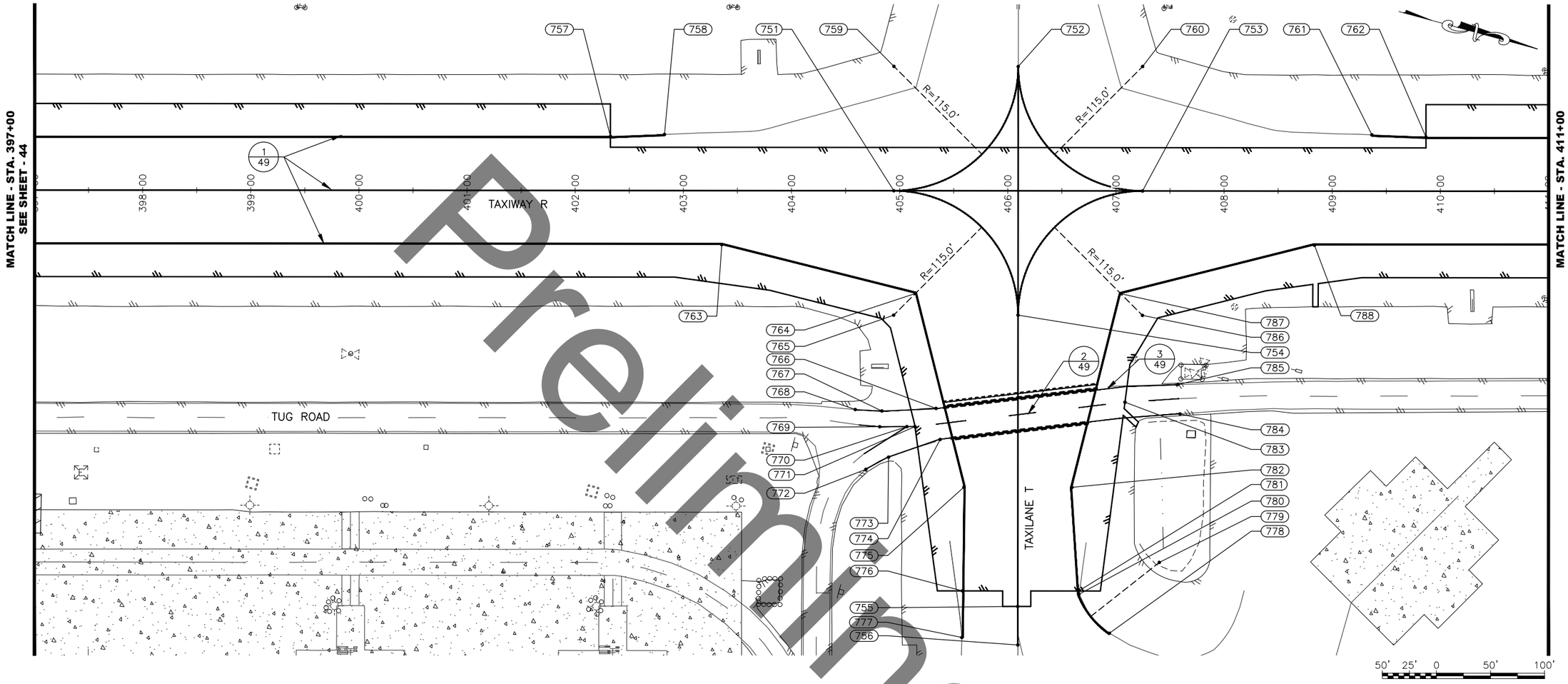
PLANS DEVELOPED BY:
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BY	DATE	REVISION

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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
PAVEMENT MARKING PLAN
TW R BOP TO STA 397+00

DATE: OCTOBER 2023
SHEET: 44 OF 49



Preliminary

POINT SUMMARY			
POINT	STATION	OFFSET (FT)	REMARKS
751	404+94.55	0.00 CL	PC, R = 115.0'
752	406+09.55	114.90 LT	PT, ME
753	407+24.55	0.00 CL	PC, R = 115.0'
754	406+09.55	114.87 RT	PT
755	406+09.42	384.13 RT	PI
756	406+09.61	419.73 RT	ME
757	402+32.48	50.00 LT	PI
758	402+82.48	51.85 LT	ME
759	404+94.55	115.00 LT	RP, R = 115.0'
760	407+24.55	115.00 LT	RP, R = 115.0'

POINT SUMMARY			
POINT	STATION	OFFSET (FT)	REMARKS
761	409+36.62	52.01 LT	ME
762	409+86.62	50.00 LT	PI
763	403+35.55	50.00 RT	PI
764	405+14.55	95.00 RT	PI
765	404+94.55	115.00 RT	RP, R = 115.0'
766	405+33.79	201.11 RT	PI
767	404+83.77	203.57 RT	PI
768	404+59.01	202.20 RT	ME
769	404+81.71	218.14 RT	PI
770	405+06.89	218.02 RT	PI

POINT SUMMARY			
POINT	STATION	OFFSET (FT)	REMARKS
771	405+14.31	217.99 RT	PI
772	404+68.97	257.50 RT	ME
773	404+89.91	246.25 RT	PI
774	405+37.64	229.86 RT	PI
775	405+59.55	274.00 RT	PI
776	405+58.36	369.80 RT	PI
777	405+57.83	412.83 RT	ME
778	406+94.29	408.78 RT	ME
779	407+40.33	343.35 RT	RP, R = 80.0'
780	406+66.00	372.92 RT	PC, R = 80.0'

POINT SUMMARY			
POINT	STATION	OFFSET (FT)	REMARKS
781	406+65.79	369.80 RT	PI
782	406+59.55	274.00 RT	PI
783	407+08.49	195.27 RT	PI
784	407+59.46	206.08 RT	ME
785	407+57.37	178.86 RT	ME
786	407+24.55	115.00 RT	RP, R = 115.0'
787	407+04.55	95.00 RT	PI
788	408+83.55	50.00 RT	PI

STATE OF ALASKA
49TH
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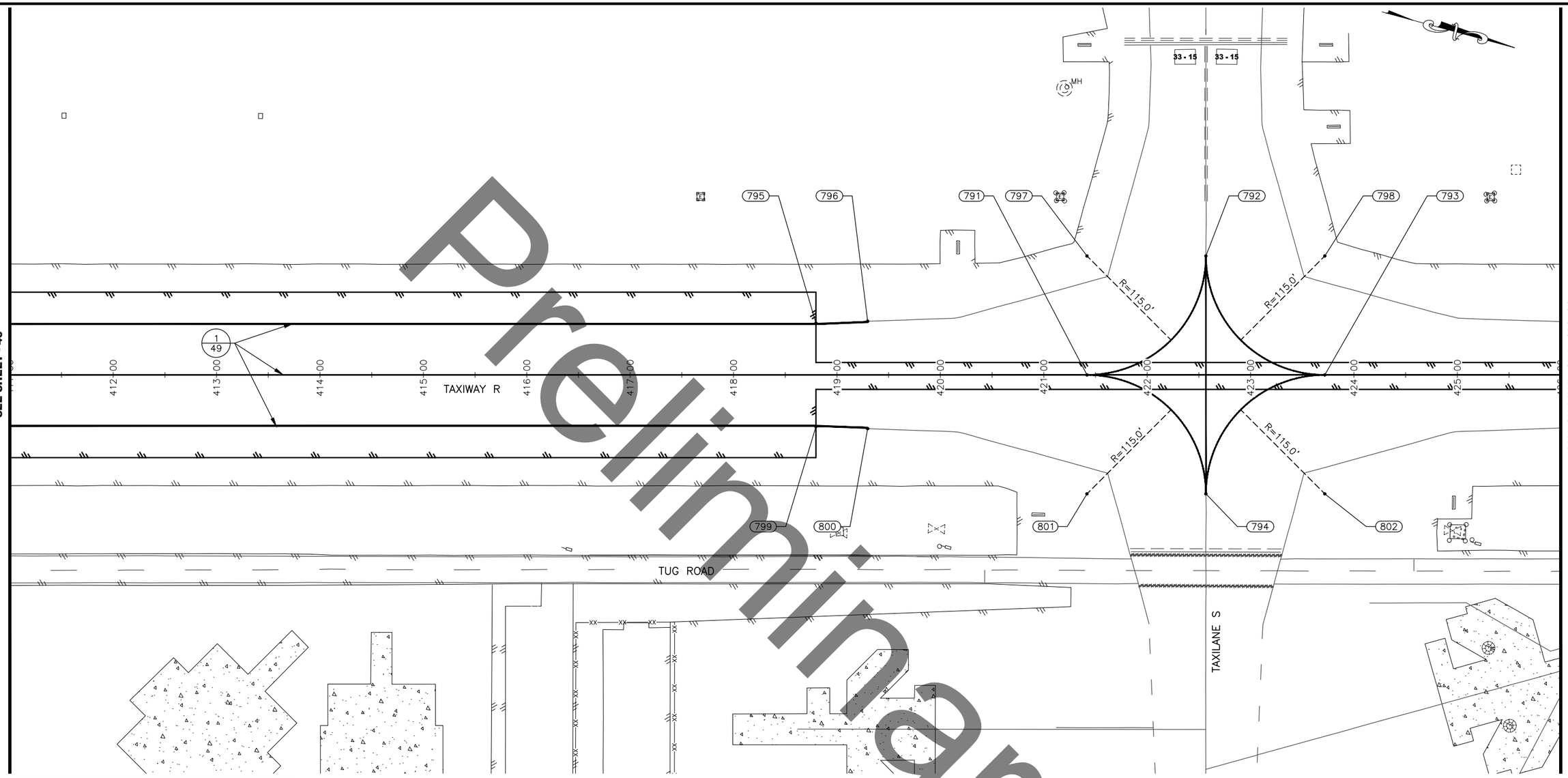
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ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
PAVEMENT MARKING PLAN
TW R STA 397+00 TO STA 411+00

DATE: OCTOBER 2023
SHEET: 45 OF 49

Designed By: RB
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Preliminary

POINT SUMMARY

POINT	STATION	OFFSET (FT)	REMARKS
791	421+41.83	0.00 CL	PC, R = 115.0'
792	422+56.83	115.00 LT	PT, ME
793	423+71.83	0.00 CL	PC, R = 115.0'
794	422+56.83	115.00 RT	PT, ME
795	418+79.68	50.00 LT	PI
796	419+29.68	51.89 LT	ME
797	421+41.83	115.00 LT	RP, R = 115.0'
798	423+71.83	115.00 LT	RP, R = 115.0'
799	418+79.68	50.00 RT	PI
800	419+29.68	51.95 RT	ME
801	421+41.83	115.00 RT	RP, R = 115.0'
802	423+71.83	115.00 RT	RP, R = 115.0'

STATE OF ALASKA
49TH
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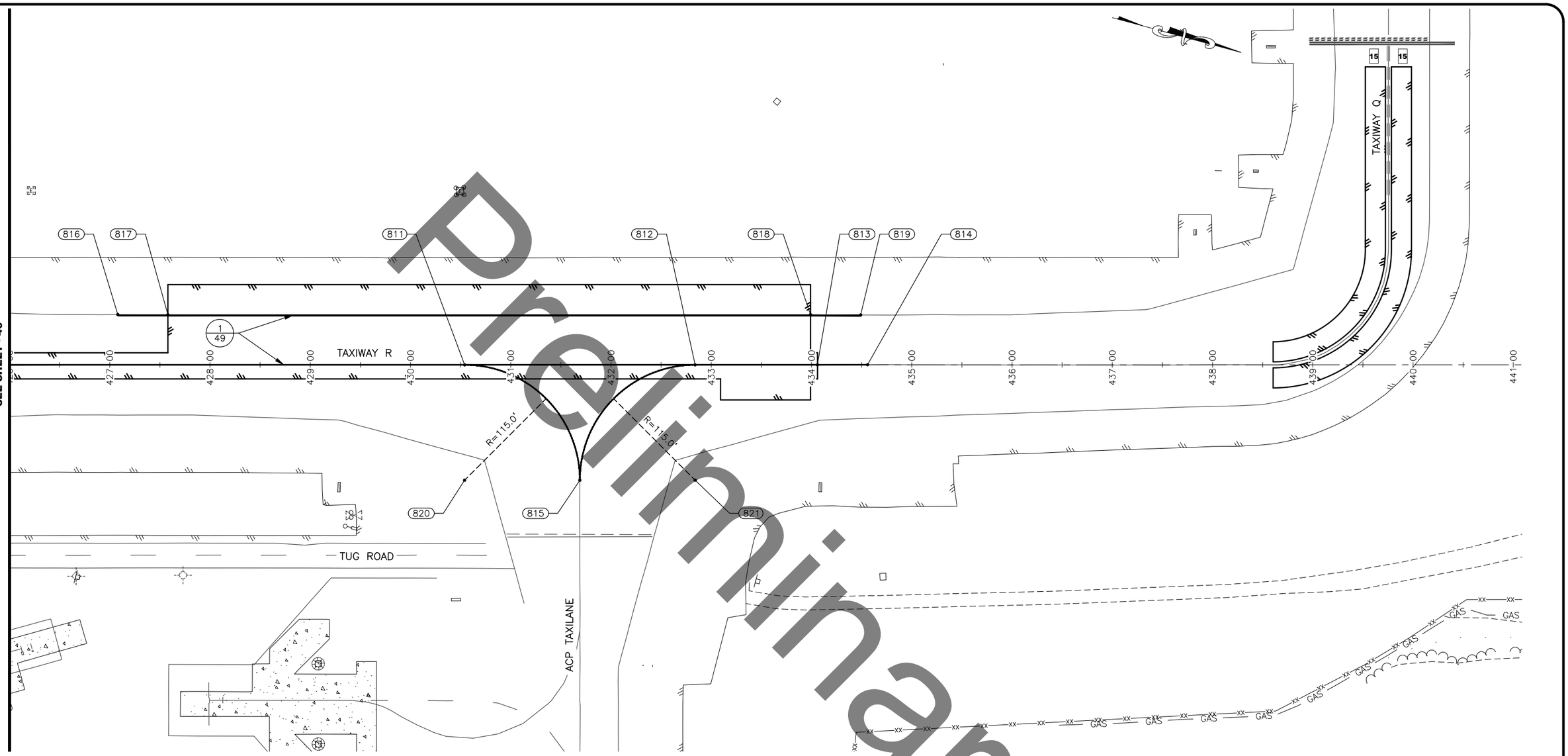
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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
PAVEMENT MARKING PLAN
TW R STA 411+00 TO STA 426+00

DATE: OCTOBER 2023

SHEET: 46 OF 49

Designed By: RB
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Date Revised: 10/22/2023 2:13 PM
Layout Name: 46
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-TW R Marking Plan.dwg



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POINT SUMMARY			
POINT	STATION	OFFSET (FT)	REMARKS
811	430+53.97	0.00 CL	PC, R = 115.0'
812	432+83.91	0.00 CL	PC, R = 115.0'
813	434+05.84	0.00 CL	PI
814	434+55.84	0.10 LT	ME
815	431+68.91	115.00 RT	PT, ME
816	427+08.00	50.13 LT	ME
817	427+58.00	50.00 LT	PI
818	433+99.00	50.00 LT	PI
819	434+49.00	49.72 LT	ME
820	430+53.91	115.00 RT	RP, R = 115.0'
821	432+83.91	115.00 RT	RP, R = 115.0'

Designed By: RB
Drawn By: SJ
Checked By: SB

Date Revised:
Layout Name: 47
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-TW R Marking Plan.dwg 10/22/2023 2:13 PM

STATE OF ALASKA
49TH
Robert W. Burdick
CE-12989
REGISTERED PROFESSIONAL ENGINEER

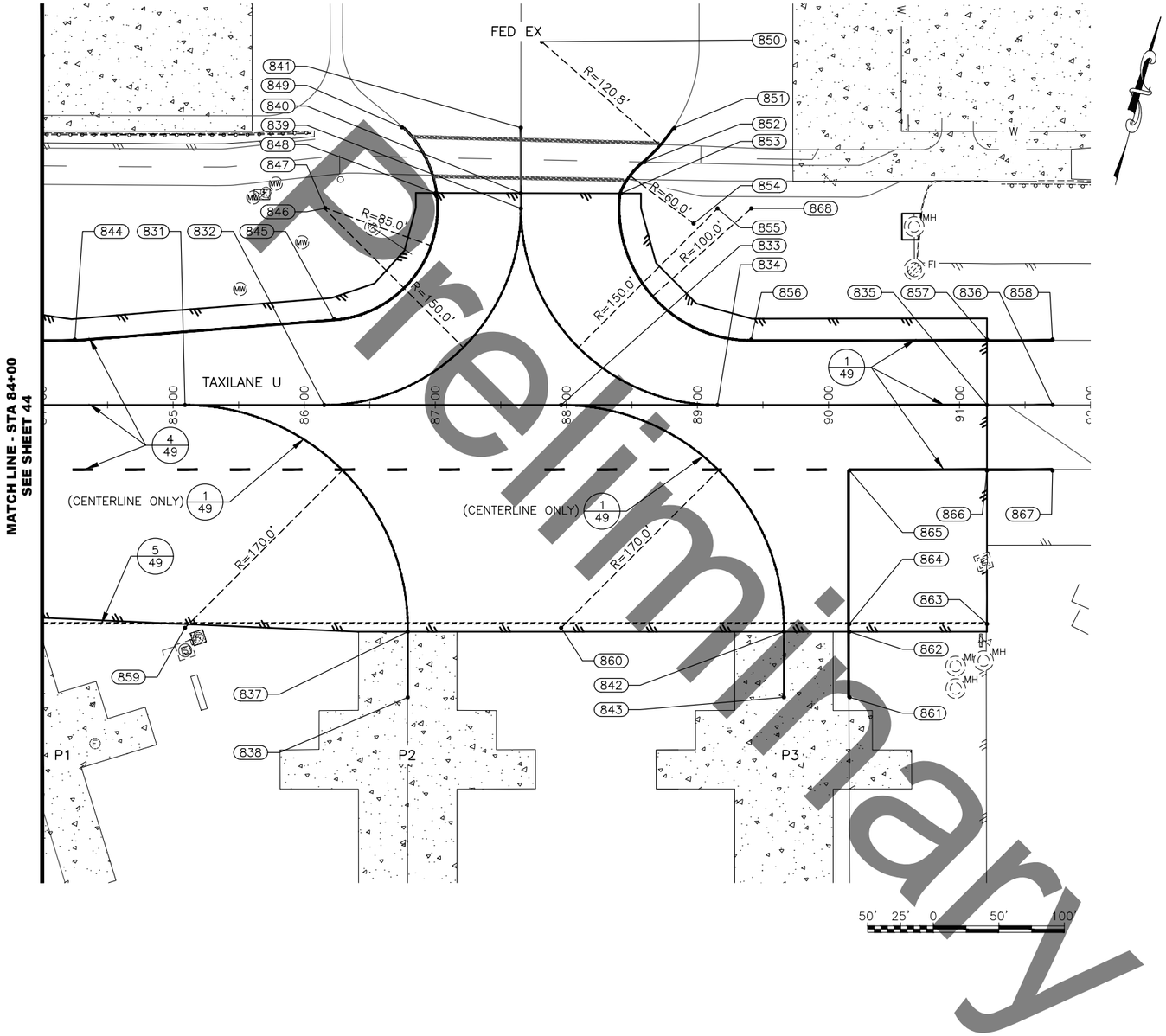
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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
PAVEMENT MARKING PLAN
TW R STA 426+00 TO STA 441+00

DATE: OCTOBER 2023
SHEET: 47 OF 49



Preliminary

POINT SUMMARY			
POINT	STATION	OFFSET (FT)	REMARKS
831	85+09.00	0.00 CL	PC, R = 170.0'
832	86+15.27	0.00 CL	PC, R = 150.0'
833	87+96.00	0.00 CL	PC, R = 170.0'
834	89+15.27	0.00 CL	PC, R = 150.00'
835	91+20.90	0.00 CL	PI
836	91+70.90	0.18 LT	ME
837	86+79.00	173.00 RT	PT
838	86+79.00	223.06 RT	ME
839	87+65.27	150.00 LT	PT
840	87+65.17	161.66 LT	PI
841	87+65.27	211.66 LT	ME
842	89+66.00	173.00 RT	PT
843	89+66.00	223.00 RT	ME
844	84+25.00	50.00 LT	PI
845	86+22.69	65.62 LT	PC, R = 85.0'
846	86+15.27	150.00 LT	RP, R = 150.0'
847	86+16.01	150.36 LT	RP, R = 85.0'
848	87+00.23	161.80 LT	ME
849	86+74.68	211.86 LT	ME
850	87+81.22	277.22 LT	RP, R = 120.7'
851	88+82.46	211.40 LT	ME
852	88+59.64	185.40 LT	PC, R = 120.7'
853	88+41.67	161.49 LT	PC, R = 60.0
854	88+97.10	138.53 LT	RP, R = 100.0'
855	89+15.27	150.00 LT	RP, R = 150.00'
856	89+41.01	50.00 LT	PC, R = 100.00'
857	91+20.90	50.00 LT	ME
858	91+70.90	50.02 LT	ME
859	85+09.00	170.00 RT	RP, R = 170.0'
860	87+96.00	170.00 RT	RP, R = 170.0'
861	90+16.06	223.00 RT	ME
862	90+16.00	173.00 RT	PI
863	91+20.90	167.00 RT	ME
864	90+16.00	167.00 RT	PI
865	90+16.00	50.00 RT	PI
866	91+20.90	50.00 RT	PI
867	91+70.90	49.98 RT	ME
868	89+41.04	150.03 LT	RP, R=100.0'

Designed By: RB
Drawn By: SJ
Checked By: SB

Date Revised: 10/22/2023 2:13 PM
Layout Name: 48
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 civil\00880-ANC-TW R Marking Plan.dwg

STATE OF ALASKA 49TH
Robert W. Burdick
CE-123859
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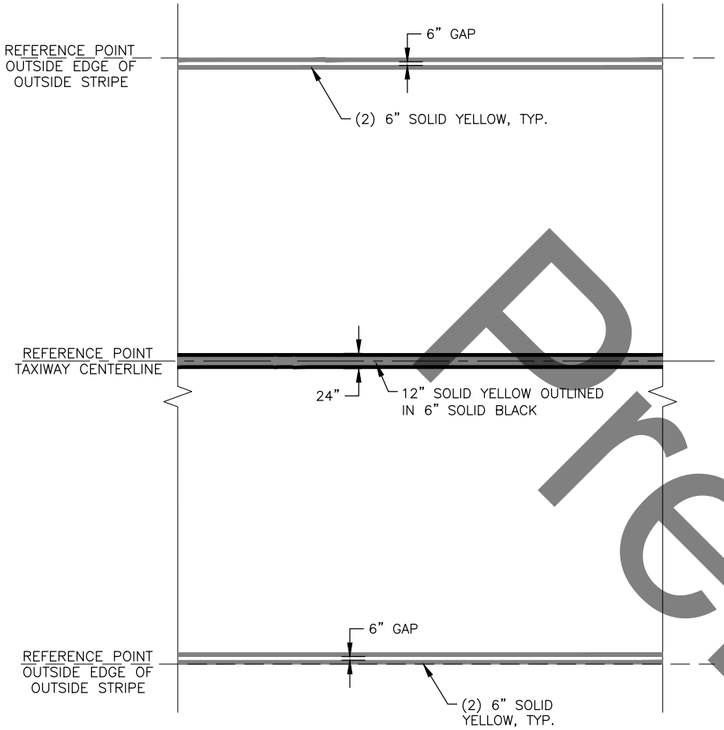
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3940 ARCTIC BLVD. SUITE 300
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CENTRAL REGION
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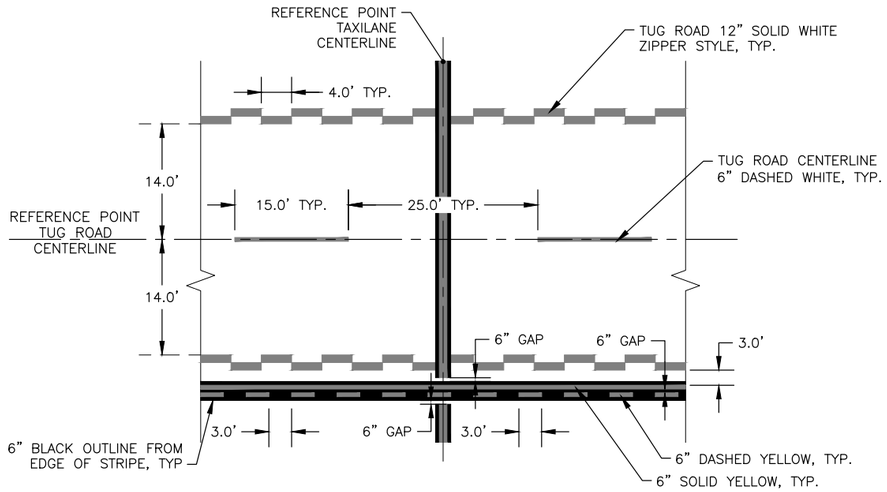
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ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
PAVEMENT MARKING PLAN
TL U STA 84+00 TO EOP

DATE: OCTOBER 2023
SHEET: 48 OF 49



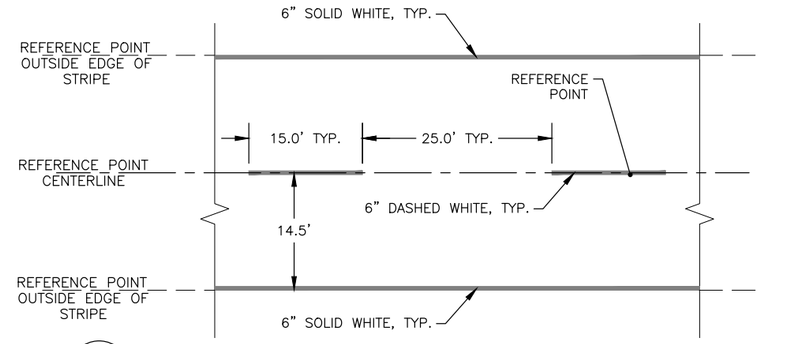
1/49 CONTINUOUS CENTERLINE AND EDGE TAXIWAY MARKINGS

NTS



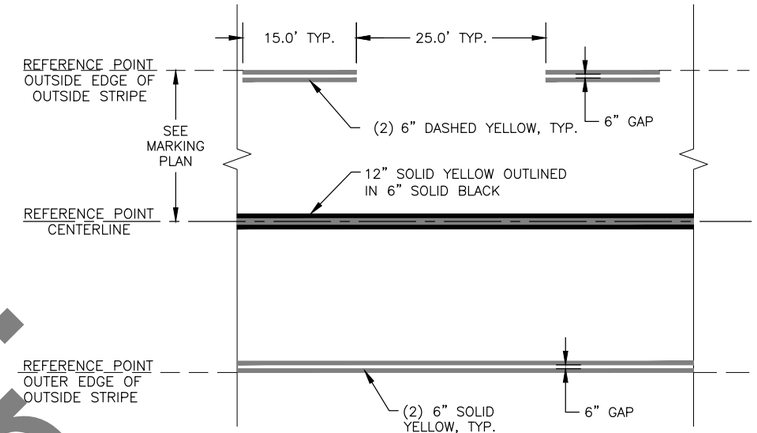
2/49 TUG ROAD AND NON-MOVEMENT MARKINGS

NTS



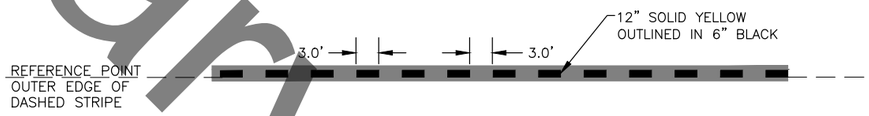
3/49 ALTERNATIVE TUG ROAD MARKING

NTS



4/49 CONTINUOUS CENTERLINE AND DASHED TAXILANE EDGE MARKINGS

NTS



5/49 INTERMEDIATE HOLDING POSITION MARKING

NTS

NOTE:

1. ALL YELLOW AND WHITE PAINT MUST BE EMBEDDED WITH GLASS BEADS.

Preliminary

STATE OF ALASKA 49TH
Robert W. Burdick
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PLANS DEVELOPED BY:
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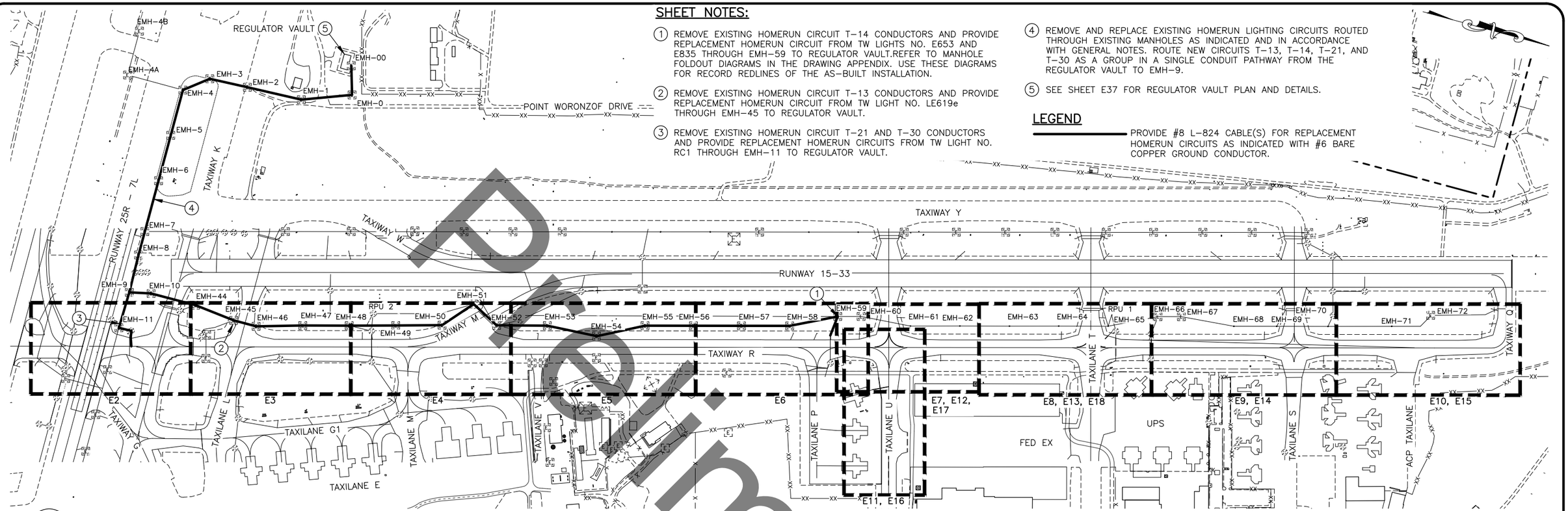
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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
PAVEMENT MARKING DETAILS

DATE: OCTOBER 2023

SHEET: 49 OF 49

Designed By: RB
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Layout Name: 49
File Path and Name: J:\JobsData\30125.00 Anc. Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-TW R Marking Details.dwg



1
E1

ELECTRICAL SITE & KEY PLAN

400' 200' 0 400' 800'

SHEET NOTES:

1. REMOVE EXISTING HOMERUN CIRCUIT T-14 CONDUCTORS AND PROVIDE REPLACEMENT HOMERUN CIRCUIT FROM TW LIGHTS NO. E653 AND E835 THROUGH EMH-59 TO REGULATOR VAULT.REFER TO MANHOLE FOLDOUT DIAGRAMS IN THE DRAWING APPENDIX. USE THESE DIAGRAMS FOR RECORD REDLINES OF THE AS-BUILT INSTALLATION.
2. REMOVE EXISTING HOMERUN CIRCUIT T-13 CONDUCTORS AND PROVIDE REPLACEMENT HOMERUN CIRCUIT FROM TW LIGHT NO. LE619e THROUGH EMH-45 TO REGULATOR VAULT.
3. REMOVE EXISTING HOMERUN CIRCUIT T-21 AND T-30 CONDUCTORS AND PROVIDE REPLACEMENT HOMERUN CIRCUITS FROM TW LIGHT NO. RC1 THROUGH EMH-11 TO REGULATOR VAULT.
4. REMOVE AND REPLACE EXISTING HOMERUN LIGHTING CIRCUITS ROUTED THROUGH EXISTING MANHOLES AS INDICATED AND IN ACCORDANCE WITH GENERAL NOTES. ROUTE NEW CIRCUITS T-13, T-14, T-21, AND T-30 AS A GROUP IN A SINGLE CONDUIT PATHWAY FROM THE REGULATOR VAULT TO EMH-9.
5. SEE SHEET E37 FOR REGULATOR VAULT PLAN AND DETAILS.

LEGEND

PROVIDE #8 L-824 CABLE(S) FOR REPLACEMENT HOMERUN CIRCUITS AS INDICATED WITH #6 BARE COPPER GROUND CONDUCTOR.

GENERAL NOTES – PRIMARY CABLE HOME RUNS:

1. INSTALL ALL WORK IN EXISTING CONDUITS, HANDHOLES, AND MANHOLES UNLESS OTHERWISE NOTED. ALL WORK RELATED TO THE INSTALLATION OF REPLACEMENT HOMERUN LIGHTING CIRCUITS THROUGH MANHOLES TO THE REGULATOR VAULT (SUCH AS DE-WATERING, ISOLATION OF CIRCUITS, MARKING CIRCUITS AND CONDUITS) SHALL BE SUBSIDIARY TO PAY ITEM L108.010.2008.
2. REFER TO MANHOLE FOLDOUT DIAGRAMS. USE THESE DIAGRAMS FOR RECORD REDLINES OF THE AS-BUILT INSTALLATION. MANHOLE FOLDOUT DIAGRAMS TO BE PROVIDED BY THE ENGINEER.
3. NEW CABLES SHALL BE PULLED AS A GROUP WITHIN EACH CONDUIT RUN. DO NOT REMOVE RETIRED CABLES OR INSTALL NEW CABLES IN THE SAME CONDUIT WITH OTHER CABLES NOT SCHEDULED FOR REPLACEMENT. IF EXISTING CABLES MUST BE ABANDONED IN PLACE FOR THIS REASON, CLEARLY MARK THE ABANDONED CABLES USING A DIFFERENT COLOR TAG IN AN APPROVED MANNER WITH DESCRIPTION TO CLEARLY DIFFERENTIATE ABANDONED CABLES FROM ACTIVE CIRCUITS.
4. AT EACH MANHOLE ACCESSED FOR CABLE REPLACEMENTS SCHEDULED IN THIS PROJECT:
   - USE FOLDOUT DIAGRAM TO RECORD CONDUIT #, POSITION IN DUCT BANK, SIZE, DESTINATION, AND CONTENTS WHERE CABLES ARE REMOVED OR ABANDONED AND NEW CABLES INSTALLED FOR THIS PROJECT.
   - MARK ALL ACTIVE AND ABANDONED CIRCUIT CABLES AFFECTED BY PROJECT AT 12 INCHES FROM THEIR ENTRY INTO MANHOLE AND AS FOLLOWS:
     - USE YELLOW CABLE MARKERS FOR ACTIVE CIRCUITS
     - USE RED CABLE MARKERS FOR ABANDONED CABLES.
     - ARRANGE MARKERS TO BE VISIBLE FROM ABOVE.
   - MARK EACH CONDUIT IN MANHOLE AFFECTED BY THIS PROJECT. IDENTIFY THE CONDUIT BY NUMBER TO MATCH THE FOLDOUT DIAGRAM AND ATTACH THE TAG TO THE WALL DIRECTLY ABOVE THE CONDUIT OR DUCTBANK IN AN APPROVED MANNER, SO THAT THE TAG IS VISIBLE FROM ABOVE.
   - PROVIDE A MINIMUM OF ONE HOUR OF COORDINATION TIME PER MANHOLE FOR AN AFM ELECTRICIAN TO INSPECT THE MANHOLE BETWEEN 8:00AM AND 4:00PM DURING THE OUTAGE SCHEDULED FOR MANHOLE WORK. NOTIFY AFM ONE WEEK IN ADVANCE OF SCHEDULED MANHOLE WORK. CONTRACTOR SHALL PUMP OUT ANY RESIDUAL WATER IN MANHOLE PRIOR TO THE AFM INSPECTION.

DEMOLITION NOTES:

1. SALVAGE:
   - ALL LIGHT FIXTURES SCHEDULED FOR REMOVAL SHALL BE CAREFULLY HANDLED TO AVOID DAMAGE TO FIXTURES, AND PRESERVED FOR SALVAGE OR TEMPORARY REINSTALLATION IF NEEDED IN NEW BASES IN THE EVENT SCHEDULED DELIVERY OF NEW FIXTURES IS DELAYED. SEE GENERAL NOTE 9.
   - ANC AIRFIELD MAINTENANCE (AFM) SHALL HAVE RIGHT OF FIRST REFUSAL ON ALL LIGHT FIXTURES, TRANSFORMERS, WIRE, AND OTHER ELECTRICAL WORK REMOVED IN DEMOLITION.
   - DELIVER DESIGNATED SALVAGE ITEMS TO THE AIRPORT SITE LOCATION AS DIRECTED BY THE PROJECT ENGINEER. AFM WILL FURNISH PALLETS OR BINS FOR CARRIAGE OF DESIGNATED SALVAGE ITEMS.
   - SALVAGE COSTS SHALL BE SUBSIDIARY TO ITEM L125.070.0000.
2. DISPOSAL: REMOVE AND DISPOSE OF ALL UNWANTED MATERIALS AND ALL FOREIGN OBJECTS AND DEBRIS (FOD) IN THE WORK AREA. PROVIDE DISPOSAL AT AN APPROVED SITE OFF OF AIRPORT PROPERTY IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS. DISPOSAL COSTS SHALL BE SUBSIDIARY TO ITEM L125.070.0000.
3. REMOVE ALL ABANDONED AND DECOMMISSIONED CONDUCTORS FROM DUCT BANKS UNLESS OTHERWISE INDICATED. WHEN CONDUITS ARE VACATED BY REMOVING CONDUCTORS, INSTALL PULL ROPE FOR FUTURE USE. THIS WORK SHALL BE SUBSIDIARY TO L108 ITEMS AND NO SEPARATE PAYMENT WILL BE MADE.
4. CABLES SCHEDULED FOR REMOVAL OR REPLACEMENT SHALL NOT BE PULLED OVER EXISTING TO REMAIN (ETR) CONDUCTORS IN THE SAME DUCT. FIELD VERIFY THAT CABLES TO BE REMOVED OR REPLACED ARE ROUTED IN SEPARATE DUCTS. NOTIFY THE PROJECT ENGINEER WHERE NEW WORK CONFLICTS WITH ETR CABLES IN COMMON DUCTS.
5. REMOVE AIRPORT LIGHTING AS INDICATED IN THE DEMOLITION PLANS. UNLESS OTHERWISE NOTED, REMOVAL INCLUDES ALL ASSOCIATED CONDUIT, CONDUCTORS, LIGHT BASES, TRANSFORMERS, CONTROLLERS, DRAIN CONDUITS, FOUNDATIONS, AND CONCRETE.
6. EXISTING EQUIPMENT THAT CONFLICTS WITH PROJECT WORK AREA SHALL BE TEMPORARILY OR PERMANENTLY REMOVED AS REQUIRED, OR BAGGED (COVERED) BY AFM PERSONNEL. COORDINATE DISPOSITION OR REMOVAL OF CONFLICTING EQUIPMENT WITH THE PROJECT ENGINEER.

GENERAL NOTES – APPLICABLE TO ALL E SHEETS:

1. 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.
2. 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.
3. LIGHTING CIRCUITS IN OPERATIONAL AREAS THAT HAVE BEEN LOCKED OUT FOR CONSTRUCTION SHALL BE RETURNED TO ATCT CONTROL NO LATER THAN TWO HOURS BEFORE SUNSET.
4. SEE CONSTRUCTION SAFETY AND PHASING PLAN (CSPP) SHEETS FOR PHASE LIMITS, ESTIMATED DURATIONS, AND TEMPORARY LIGHTING PROVISIONS.
5. PRIMARY AIRFIELD LIGHTING CONDUCTORS SHALL BE FAA L-824 TYPE C 5KV CABLE, #6 AWG FOR RUNWAY CIRCUITS AND #8 AWG FOR TAXIWAY CIRCUITS. 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:
     - ••POWER FEED, PRIMARY: BLACK
     - ••RETURN/LOOP, PRIMARY: RED
     - ••POWER FEED, SECONDARY (LO-VIS): BLUE
     - ••RETURN/LOOP, SECONDARY (LO-VIS): YELLOW
   - EDGE LIGHTING:
     - ••POWER FEED: BLACK
     - ••RETURN/LOOP: RED
6. INSTALL A #6 BARE COPPER GROUND CONDUCTOR WITH ALL LIGHTING CIRCUIT CONDUCTORS.
7. 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 INCH DEEP USING A DRILL BIT, DREMEL, OR SIMILAR METHOD.
   - LABEL SHALL READ: "T-x" OR "R-x", WHERE "x" 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.
8. 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.
9. 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. THE TAXIWAY ROMEO CENTERLINE LIGHTS (FROM STA 323+00 TO 434+00) COMPRISE A SINGLE LINEAR LIGHTING SEGMENT. EACH ASSOCIATED CENTERLINE CURVE BETWEEN TANGENTS IS A SEPARATE SEGMENT.

Preliminary

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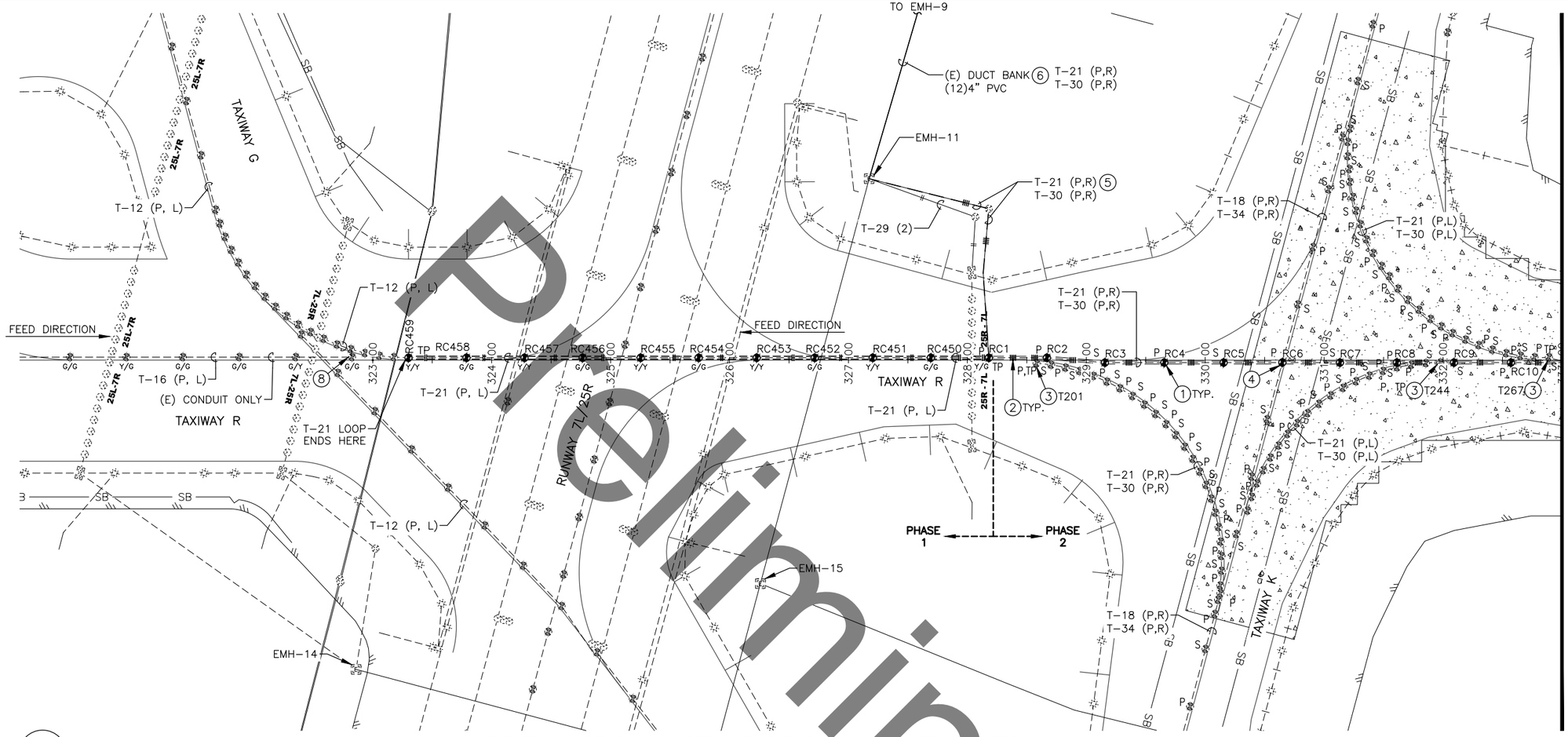
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL OVERVIEW

DATE: OCTOBER 2023

SHEET: E1 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised:
Layout Name: E1
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Overview.dwg
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E2

ELECTRICAL REMOVAL & REPLACEMENT PLAN – BOP TO STA. 333+00

50' 25' 0 50' 100'

Preliminary

SHEET NOTES:

1. REMOVE AND CAREFULLY SALVAGE LED CENTERLINE FIXTURE AND ISOLATION TRANSFORMER. PROVIDE NEW INCANDESCENT FIXTURE, ISOLATION TRANSFORMER, AND CONNECTIONS IN THE EXISTING LIGHT BASE PER ITEM L125.600.0040 (REFURBISH FLUSH TW LIGHT). THE EXISTING PRIMARY(P) AND SECONDARY(S) HI–VIS/LO–VIS CIRCUIT SEQUENCE SHALL BE MAINTAINED.

2. PROVIDE A MEGGER TEST RECORD FOR EXISTING 5KV CONDUCTOR SEGMENTS CONNECTED TO TW R FIXTURES SCHEDULED FOR REPLACEMENT. PERFORM MEGGER TEST AT EACH LIGHT BASE WITH CONDUCTOR SEGMENTS DISCONNECTED AT NEAREST ADJACENT LIGHT BASES AND ISOLATED FROM ALL OTHER CONDUCTORS AND TRANSFORMERS. TESTING SHALL BE SUBSIDIARY TO ITEM L125.600.0040. USE MEGGER TEST RESULTS TO VALIDATE CONDUCTOR INSULATION INTEGRITY AS FOLLOWS:
   - PASS: IF TEST INDICATES AT LEAST 2.0 GIGAOHM, THEN RE–USE EXISTING CONDUCTORS.
   - NO PASS: IF TEST INDICATES LESS THAN 2.0 GIGAOHM, THEN REPLACE CONDUCTORS. NOTIFY PROJECT ENGINEER IMMEDIATELY OF ANY REQUIRED CONDUCTOR REPLACEMENTS BEFORE NEW FIXTURES ARE INSTALLED.

   SUBMIT THE MEGGER TEST RECORD TO THE PROJECT ENGINEER AND IDENTIFY ANY SUB–STANDARD CONDUCTOR SEGMENTS TO BE REPLACED. PROVIDE CONDUCTOR REPLACEMENTS IN SUB–STANDARD SEGMENTS AS DIRECTED BY THE ENGINEER BASED ON ITEMS L108.010.2008 (L–824 CABLE) AND L108.030.0006 (#6 BC WIRE) WITH SUBSIDIARY CONNECTIONS.

3. AT EXISTING TO REMAIN (ETR) CURVE FIXTURES CONNECTED ON SAME CIRCUIT AND ADJACENT TO TW R CENTERLINE FIXTURES SCHEDULED FOR REPLACEMENT:
   - REMOVE FIXTURE FROM BASE CAN AND DISCONNECT ISOLATION TRANSFORMER FROM 5KV LEADS, AS REQUIRED TO ISOLATE 5KV CONDUCTOR SEGMENTS SPECIFIED FOR MEGGER TESTING.
   - FOR CIRCUITS T–21 AND T–30, PROVIDE A MEGGER TEST MEASUREMENT OF THE ISOLATED ETR TW CENTERLINE CURVE LIGHTING FEED AND LOOP 5KV CONDUCTOR SEGMENT (TO INCLUDE FIXTURE TRANSFORMERS). INCLUDE THIS TEST RESULT FOR REFERENCE IN THE MEGGER TEST RECORD.
   - PROVIDE NEW BOLTS WHEN EXISTING FIXTURE IS REINSTALLED AFTER MEGGER TESTING.
   - THIS WORK SHALL BE SUBSIDIARY TO THE ADJACENT FLUSH TW LIGHT REFURBISH PAY ITEM: L125.600.0040.

4. ISOLATE OTHER PASS–THRU TAXIWAY LIGHTING CIRCUITS AS REQUIRED TO WORK IN THIS FIXTURE BASE.

5. REMOVE AND REPLACE HOMERUN CIRCUIT(S) AS INDICATED IN EXISTING 2" CONDUIT. RECONNECT TO EXISTING CONDUCTORS AT LIGHT BASE WITH SLACK LEADS AS REQUIRED.

6. REMOVE AND REPLACE HOMERUN CIRCUIT(S) AS INDICATED IN EXISTING DUCTBANK. SEE SHEET E1 FOR MORE INFORMATION.

8. REFER TO PROJECT CFAPT00465 (TAXIWAY Z WEST IMPROVEMENTS) FOR PROPOSED TW R EXTENSION LIGHTING SOUTH OF STA 323+00.

GENERAL NOTES:

SEE SHEET E1 FOR GENERAL DEMOLITION AND ELECTRICAL NOTES.

CSPP NOTES:

CSPP PHASES 1–5: THESE PHASES SHALL BE SHORT DURATION AND SCHEDULED DURING DAYLIGHT HOURS. TEMPORARY JUMPERS SHALL NOT BE REQUIRED.

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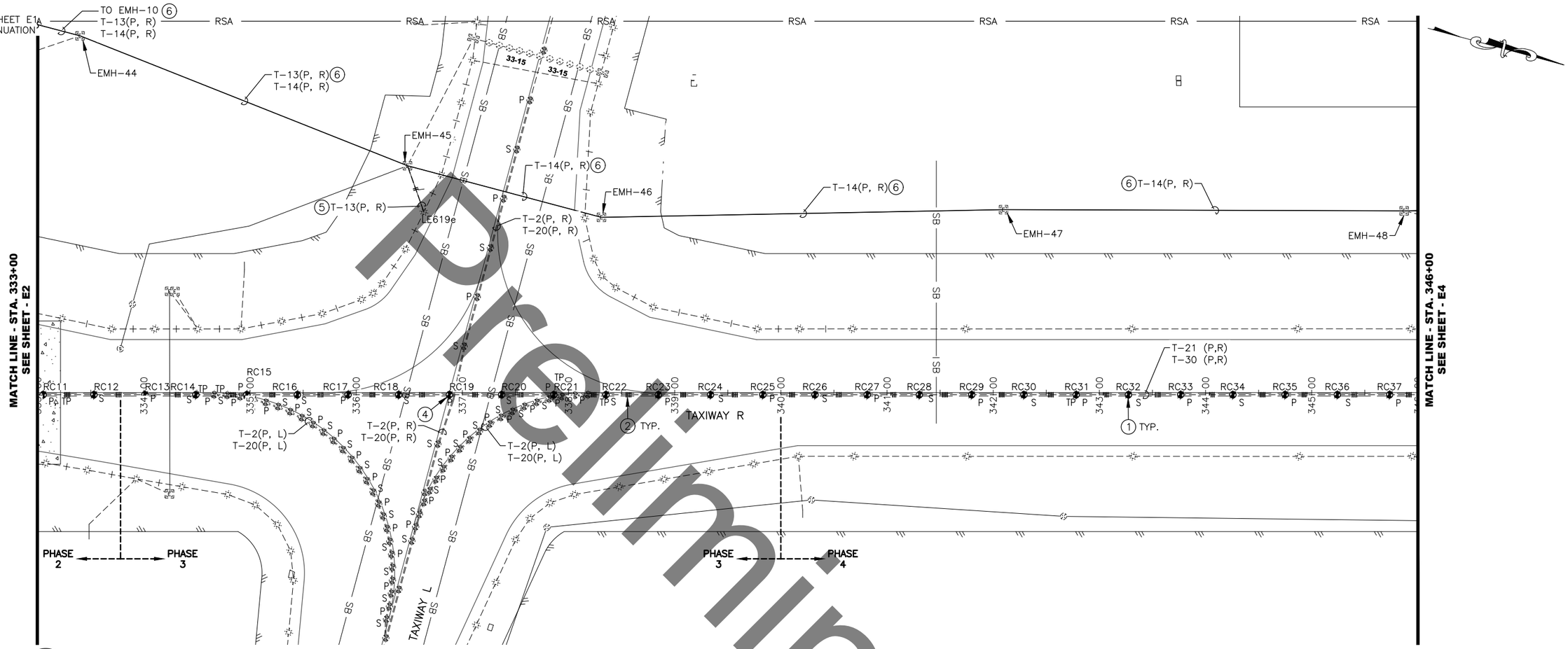
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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
ELECTRICAL REMOVAL & REPLACEMENT PLAN – BOP TO STA. 333+00

DATE: OCTOBER 2023

SHEET: E2 OF E37

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Drawn By: SS
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1
E3

ELECTRICAL REMOVAL & REPLACEMENT PLAN – STA. 333+00 TO 346+00

50' 25' 0 50' 100'

SHEET NOTES:

(1) REMOVE AND CAREFULLY SALVAGE LED CENTERLINE FIXTURE AND ISOLATION TRANSFORMER. PROVIDE NEW INCANDESCENT FIXTURE, ISOLATION TRANSFORMER, AND CONNECTIONS IN THE EXISTING LIGHT BASE PER ITEM L125.600.0040 (REFURBISH FLUSH TW LIGHT). THE EXISTING PRIMARY(P) AND SECONDARY(S) HI–VIS/LO–VIS CIRCUIT SEQUENCE SHALL BE MAINTAINED.

(2) PROVIDE A MEGGER TEST RECORD FOR EXISTING 5KV CONDUCTOR SEGMENTS CONNECTED TO TW R FIXTURES SCHEDULED FOR REPLACEMENT. PERFORM MEGGER TEST AT EACH LIGHT BASE WITH CONDUCTOR SEGMENTS DISCONNECTED AT NEAREST ADJACENT LIGHT BASES AND ISOLATED FROM ALL OTHER CONDUCTORS AND TRANSFORMERS. TESTING SHALL BE SUBSIDIARY TO ITEM L125.600.0040. USE MEGGER TEST RESULTS TO VALIDATE CONDUCTOR INSULATION INTEGRITY AS FOLLOWS:

- PASS: IF TEST INDICATES AT LEAST 2.0 GIGAOHM, THEN RE–USE EXISTING CONDUCTORS.
- NO PASS: IF TEST INDICATES LESS THAN 2.0 GIGAOHM, THEN REPLACE CONDUCTORS. NOTIFY PROJECT ENGINEER IMMEDIATELY OF ANY REQUIRED CONDUCTOR REPLACEMENTS BEFORE NEW FIXTURES ARE INSTALLED.

SUBMIT THE MEGGER TEST RECORD TO THE PROJECT ENGINEER AND IDENTIFY ANY SUB–STANDARD CONDUCTOR SEGMENTS TO BE REPLACED. PROVIDE CONDUCTOR REPLACEMENTS IN SUB–STANDARD SEGMENTS AS DIRECTED BY THE ENGINEER BASED ON ITEMS L108.010.2008 (L–824 CABLE) AND L108.030.0006 (#6 BC WIRE) WITH SUBSIDIARY CONNECTIONS.

(4) ISOLATE OTHER PASS–THRU TAXIWAY LIGHTING CIRCUITS AS REQUIRED TO WORK IN THIS FIXTURE BASE.

(5) REMOVE AND REPLACE HOMERUN CIRCUIT(S) AS INDICATED IN EXISTING 2" CONDUIT. RECONNECT TO EXISTING CONDUCTORS AT LIGHT BASE WITH SLACK LEADS AS REQUIRED.

(6) REMOVE AND REPLACE HOMERUN CIRCUIT(S) AS INDICATED IN EXISTING DUCTBANK. SEE SHEET E1 FOR MORE INFORMATION.

GENERAL NOTES:

SEE SHEET E1 FOR GENERAL DEMOLITION AND ELECTRICAL NOTES.

CSPP NOTES:

CSPP PHASES 1–5: THESE PHASES SHALL BE SHORT DURATION AND SCHEDULED DURING DAYLIGHT HOURS. TEMPORARY JUMPERS SHALL NOT BE REQUIRED.

Preliminary

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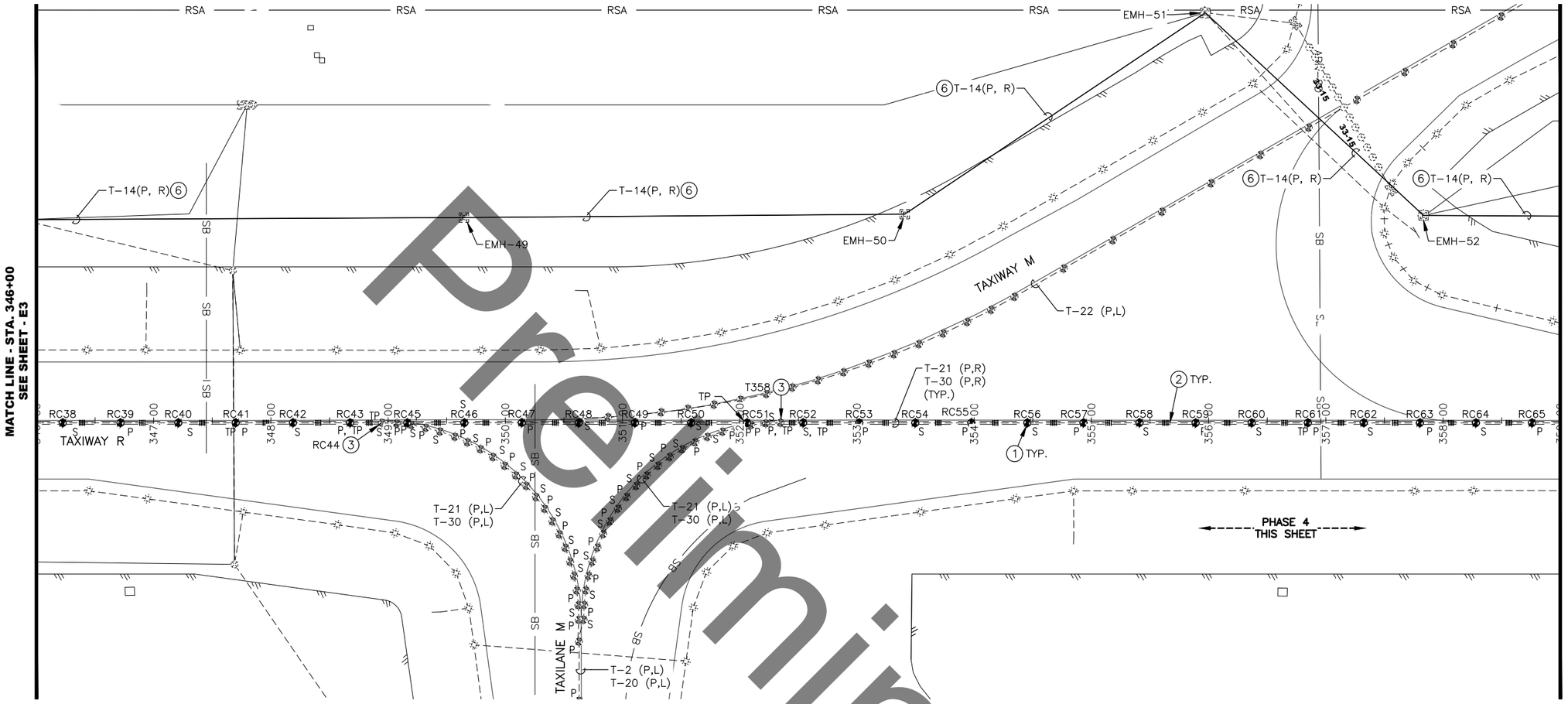
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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
ELECTRICAL REMOVAL & REPLACEMENT PLAN – STA. 333+00 TO 346+00

DATE: OCTOBER 2023

SHEET: E3 OF E37

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Checked By: WS

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E4

ELECTRICAL REMOVAL & REPLACEMENT PLAN – STA. 346+00 TO 359+00

50' 25' 0 50' 100'

SHEET NOTES:

1. REMOVE AND CAREFULLY SALVAGE LED CENTERLINE FIXTURE AND ISOLATION TRANSFORMER. PROVIDE NEW INCANDESCENT FIXTURE, ISOLATION TRANSFORMER, AND CONNECTIONS IN THE EXISTING LIGHT BASE PER ITEM L125.600.0040 (REFURBISH FLUSH TW LIGHT). THE EXISTING PRIMARY(P) AND SECONDARY(S) HI-VIS/LO-VIS CIRCUIT SEQUENCE SHALL BE MAINTAINED.

2. PROVIDE A MEGGER TEST RECORD FOR EXISTING 5KV CONDUCTOR SEGMENTS CONNECTED TO TW R FIXTURES SCHEDULED FOR REPLACEMENT. PERFORM MEGGER TEST AT EACH LIGHT BASE WITH CONDUCTOR SEGMENTS DISCONNECTED AT NEAREST ADJACENT LIGHT BASES AND ISOLATED FROM ALL OTHER CONDUCTORS AND TRANSFORMERS. TESTING SHALL BE SUBSIDIARY TO ITEM L125.600.0040. USE MEGGER TEST RESULTS TO VALIDATE CONDUCTOR INSULATION INTEGRITY AS FOLLOWS:
   - PASS: IF TEST INDICATES AT LEAST 2.0 GIGAOHM, THEN RE-USE EXISTING CONDUCTORS.
   - NO PASS: IF TEST INDICATES LESS THAN 2.0 GIGAOHM, THEN REPLACE CONDUCTORS. NOTIFY PROJECT ENGINEER IMMEDIATELY OF ANY REQUIRED CONDUCTOR REPLACEMENTS BEFORE NEW FIXTURES ARE INSTALLED.

   SUBMIT THE MEGGER TEST RECORD TO THE PROJECT ENGINEER AND IDENTIFY ANY SUB-STANDARD CONDUCTOR SEGMENTS TO BE REPLACED. PROVIDE CONDUCTOR REPLACEMENTS IN SUB-STANDARD SEGMENTS AS DIRECTED BY THE ENGINEER BASED ON ITEMS L108.010.2008 (L-824 CABLE) AND L108.030.0006 (#6 BC WIRE) WITH SUBSIDIARY CONNECTIONS.

3. AT EXISTING TO REMAIN (ETR) CURVE FIXTURES CONNECTED ON SAME CIRCUIT AND ADJACENT TO TW R CENTERLINE FIXTURES SCHEDULED FOR REPLACEMENT:
   - REMOVE FIXTURE FROM BASE CAN AND DISCONNECT ISOLATION TRANSFORMER FROM 5KV LEADS, AS REQUIRED TO ISOLATE 5KV CONDUCTOR SEGMENTS SPECIFIED FOR MEGGER TESTING.
   - FOR CIRCUITS T-21 AND T-30, PROVIDE A MEGGER TEST MEASUREMENT OF THE ISOLATED ETR TW CENTERLINE CURVE LIGHTING FEED AND LOOP 5KV CONDUCTOR SEGMENT (TO INCLUDE FIXTURE TRANSFORMERS). INCLUDE THIS TEST RESULT FOR REFERENCE IN THE MEGGER TEST RECORD.
   - PROVIDE NEW BOLTS WHEN EXISTING FIXTURE IS REINSTALLED AFTER MEGGER TESTING.
   - THIS WORK SHALL BE SUBSIDIARY TO THE ADJACENT FLUSH TW LIGHT REFURBISH PAY ITEM: L125.600.0040.

6. REMOVE AND REPLACE HOMERUN CIRCUIT(S) AS INDICATED IN EXISTING DUCTBANK. SEE SHEET E1 FOR MORE INFORMATION.

GENERAL NOTES:

SEE SHEET E1 FOR GENERAL DEMOLITION AND ELECTRICAL NOTES.

CSPP NOTES:

CSPP PHASES 1-5: THESE PHASES SHALL BE SHORT DURATION AND SCHEDULED DURING DAYLIGHT HOURS. TEMPORARY JUMPERS SHALL NOT BE REQUIRED.

Preliminary

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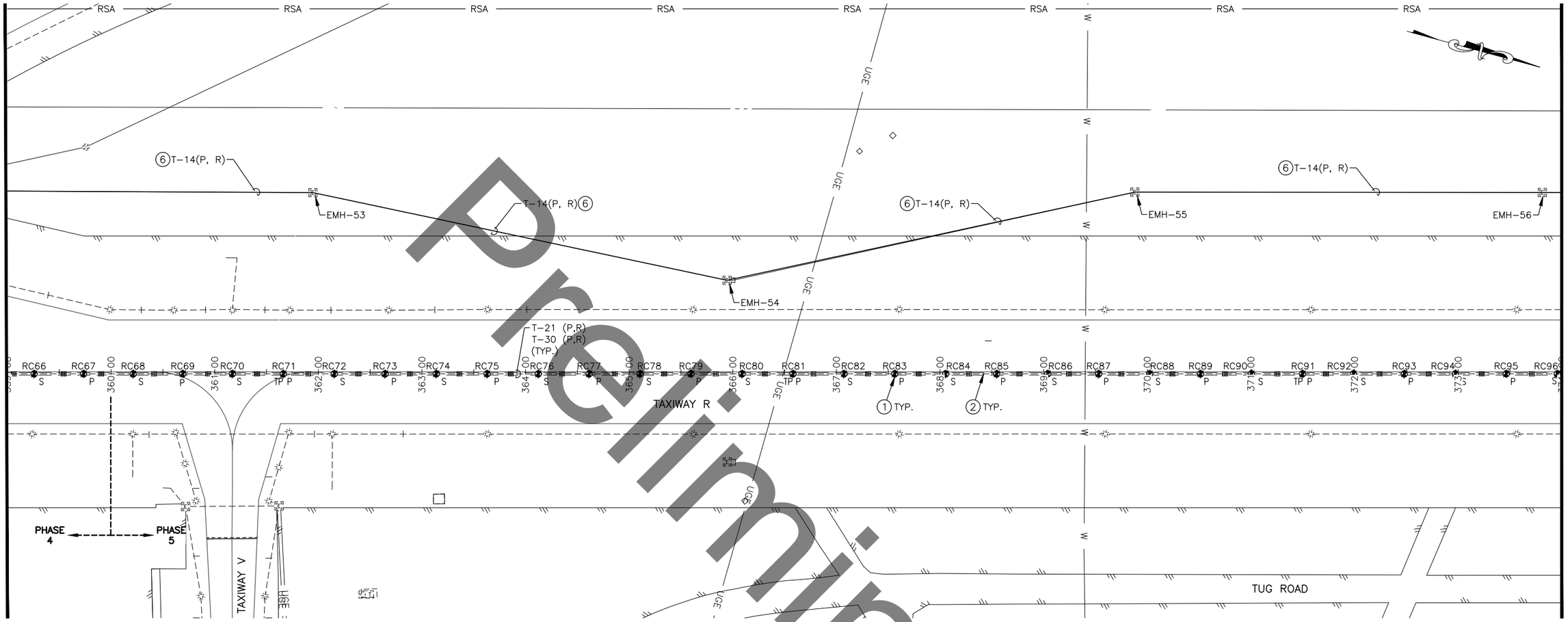
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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL REMOVAL & REPLACEMENT PLAN – STA. 346+00 TO 359+00

DATE: OCTOBER 2023
SHEET: E4 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

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E5

ELECTRICAL REMOVAL & REPLACEMENT PLAN – STA. 359+00 TO 374+00

50' 25' 0 50' 100'

SHEET NOTES:

1. REMOVE AND CAREFULLY SALVAGE LED CENTERLINE FIXTURE AND ISOLATION TRANSFORMER. PROVIDE NEW INCANDESCENT FIXTURE, ISOLATION TRANSFORMER, AND CONNECTIONS IN THE EXISTING LIGHT BASE PER ITEM L125.600.0040 (REFURBISH FLUSH TW LIGHT). THE EXISTING PRIMARY(P) AND SECONDARY(S) HI–VIS/LO–VIS CIRCUIT SEQUENCE SHALL BE MAINTAINED.

2. PROVIDE A MEGGER TEST RECORD FOR EXISTING 5KV CONDUCTOR SEGMENTS CONNECTED TO TW R FIXTURES SCHEDULED FOR REPLACEMENT. PERFORM MEGGER TEST AT EACH LIGHT BASE WITH CONDUCTOR SEGMENTS DISCONNECTED AT NEAREST ADJACENT LIGHT BASES AND ISOLATED FROM ALL OTHER CONDUCTORS AND TRANSFORMERS. TESTING SHALL BE SUBSIDIARY TO ITEM L125.600.0040. USE MEGGER TEST RESULTS TO VALIDATE CONDUCTOR INSULATION INTEGRITY AS FOLLOWS:

   - PASS: IF TEST INDICATES AT LEAST 2.0 GIGAOHM, THEN RE–USE EXISTING CONDUCTORS.
   - NO PASS: IF TEST INDICATES LESS THAN 2.0 GIGAOHM, THEN REPLACE CONDUCTORS. NOTIFY PROJECT ENGINEER IMMEDIATELY OF ANY REQUIRED CONDUCTOR REPLACEMENTS BEFORE NEW FIXTURES ARE INSTALLED.

   SUBMIT THE MEGGER TEST RECORD TO THE PROJECT ENGINEER AND IDENTIFY ANY SUB–STANDARD CONDUCTOR SEGMENTS TO BE REPLACED. PROVIDE CONDUCTOR REPLACEMENTS IN SUB–STANDARD SEGMENTS AS DIRECTED BY THE ENGINEER BASED ON ITEMS L108.010.2008 (L–824 CABLE) AND L108.030.0006 (#6 BC WIRE) WITH SUBSIDIARY CONNECTIONS.

6. REMOVE AND REPLACE HOMERUN CIRCUIT(S) AS INDICATED IN EXISTING DUCTBANK. SEE SHEET E1 FOR MORE INFORMATION.

GENERAL NOTES:

SEE SHEET E1 FOR GENERAL DEMOLITION AND ELECTRICAL NOTES.

CSPP NOTES:

CSPP PHASES 1–5: THESE PHASES SHALL BE SHORT DURATION AND SCHEDULED DURING DAYLIGHT HOURS. TEMPORARY JUMPERS SHALL NOT BE REQUIRED.

Preliminary

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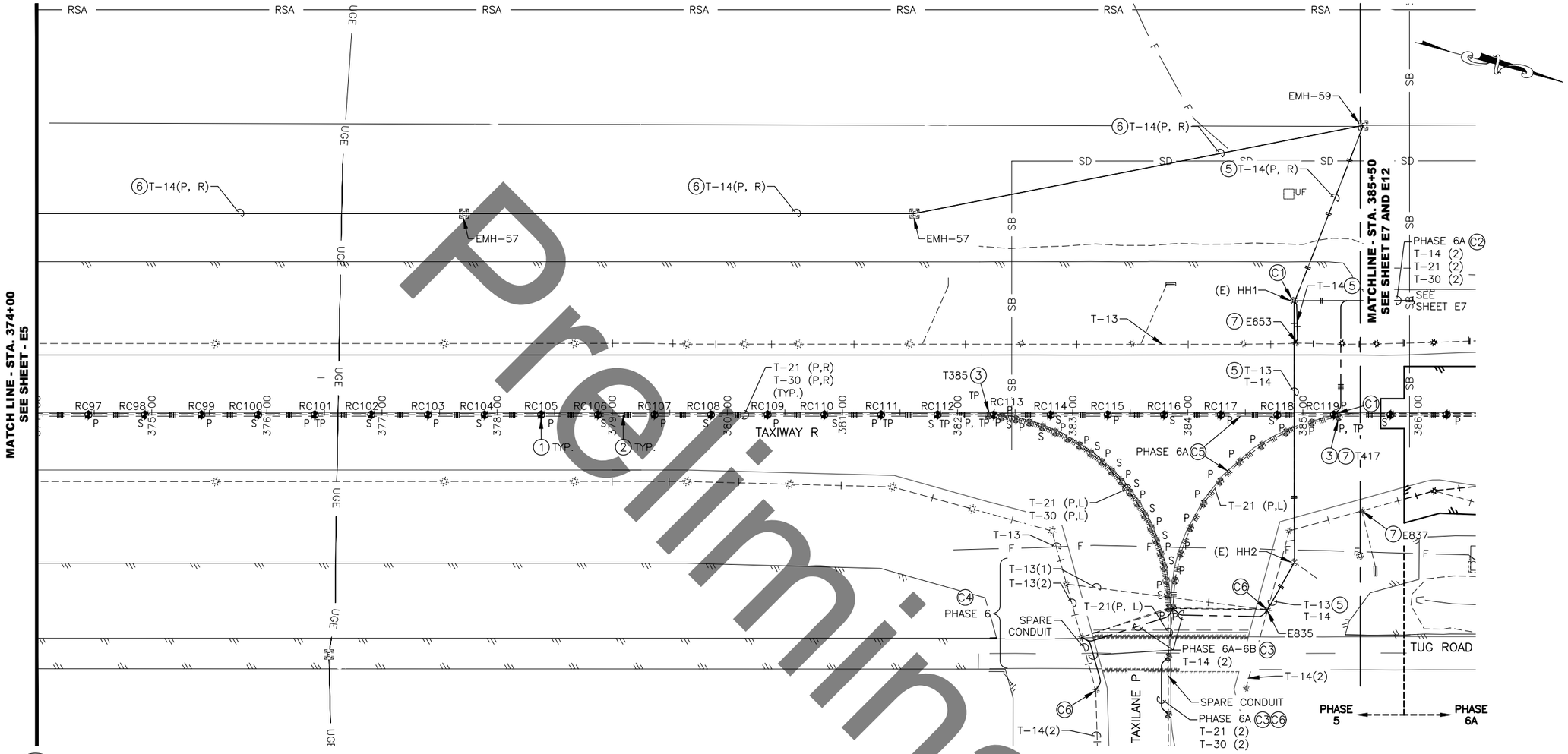
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AIP No. 3–02–0016–XXX–2024
ELECTRICAL REMOVAL & REPLACEMENT PLAN – STA. 359+00 TO 374+00

DATE: OCTOBER 2023
SHEET: E5 OF E37

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E6

ELECTRICAL REMOVAL & REPLACEMENT PLAN – STA. 374+00 TO 385+50

SHEET NOTES:

1. REMOVE AND CAREFULLY SALVAGE LED CENTERLINE FIXTURE AND ISOLATION TRANSFORMER. PROVIDE NEW INCANDESCENT FIXTURE, ISOLATION TRANSFORMER, AND CONNECTIONS IN THE EXISTING LIGHT BASE PER ITEM L125.600.0040 (REFURBISH FLUSH TW LIGHT). THE EXISTING PRIMARY(P) AND SECONDARY(S) HI–VIS/LO–VIS CIRCUIT SEQUENCE SHALL BE MAINTAINED.

2. PROVIDE A MEGGER TEST RECORD FOR EXISTING 5KV CONDUCTOR SEGMENTS CONNECTED TO TW R FIXTURES SCHEDULED FOR REPLACEMENT. PERFORM MEGGER TEST AT EACH LIGHT BASE WITH CONDUCTOR SEGMENTS DISCONNECTED AT NEAREST ADJACENT LIGHT BASES AND ISOLATED FROM ALL OTHER CONDUCTORS AND TRANSFORMERS. TESTING SHALL BE SUBSIDIARY TO ITEM L125.600.0040. USE MEGGER TEST RESULTS TO VALIDATE CONDUCTOR INSULATION INTEGRITY AS FOLLOWS:
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   - NO PASS: IF TEST INDICATES LESS THAN 2.0 GIGAOHM, THEN REPLACE CONDUCTORS. NOTIFY PROJECT ENGINEER IMMEDIATELY OF ANY REQUIRED CONDUCTOR REPLACEMENTS BEFORE NEW FIXTURES ARE INSTALLED.

   SUBMIT THE MEGGER TEST RECORD TO THE PROJECT ENGINEER AND IDENTIFY ANY SUB–STANDARD CONDUCTOR SEGMENTS TO BE REPLACED. PROVIDE CONDUCTOR REPLACEMENTS IN SUB–STANDARD SEGMENTS AS DIRECTED BY THE ENGINEER BASED ON ITEMS L108.010.2008 (L–824 CABLE) AND L108.030.0006 (#6 BC WIRE) WITH SUBSIDIARY CONNECTIONS.

3. AT EXISTING TO REMAIN (ETR) CURVE FIXTURES CONNECTED ON SAME CIRCUIT AND ADJACENT TO TW R CENTERLINE FIXTURES SCHEDULED FOR REPLACEMENT:
   - REMOVE FIXTURE FROM BASE CAN AND DISCONNECT ISOLATION TRANSFORMER FROM 5KV LEADS, AS REQUIRED TO ISOLATE 5KV CONDUCTOR SEGMENTS SPECIFIED FOR MEGGER TESTING.
   - FOR CIRCUITS T–21 AND T–30, PROVIDE A MEGGER TEST MEASUREMENT OF THE ISOLATED ETR TW CENTERLINE CURVE LIGHTING FEED AND LOOP 5KV CONDUCTOR SEGMENT (TO INCLUDE FIXTURE TRANSFORMERS). INCLUDE THIS TEST RESULT FOR REFERENCE IN THE MEGGER TEST RECORD.
   - PROVIDE NEW BOLTS WHEN EXISTING FIXTURE IS REINSTALLED AFTER MEGGER TESTING.
   - THIS WORK SHALL BE SUBSIDIARY TO THE ADJACENT FLUSH TW LIGHT REFURBISH PAY ITEM: L125.600.0040.

5. REMOVE AND REPLACE HOMERUN AND OTHER CIRCUIT(S) AS INDICATED IN EXISTING 2" CONDUIT. RECONNECT TO EXISTING CONDUCTORS AT LIGHT BASE WITH SLACK LEADS AS REQUIRED.

6. REMOVE AND REPLACE HOMERUN CIRCUIT(S) AS INDICATED IN EXISTING DUCTBANK. SEE SHEET E1 FOR MORE INFORMATION.

7. SEE SHEETS E7 AND E12 FOR RELATED DEMOLITION AND NEW WORK TIE–IN TO THIS LOCATION.

GENERAL NOTES:

SEE SHEET E1 FOR GENERAL DEMOLITION AND ELECTRICAL NOTES.

CSPP NOTES:

CSPP PHASES 1–5: THESE PHASES SHALL BE SHORT DURATION AND SCHEDULED DURING DAYLIGHT HOURS. TEMPORARY JUMPERS SHALL NOT BE REQUIRED.

C1 PROVIDE TEMPORARY LIGHT BASE OR HANDHOLE EXTENSION AS REQUIRED TO TERMINATE TEMPORARY SURFACE RUN LIGHTING CIRCUIT JUMPER(S) DURING PHASED CONSTRUCTION, WITH TEMPORARY CONNECTIONS IN LIGHT BASE AS REQUIRED TO MAINTAIN ACTIVE CIRCUIT(S) AND ISOLATE CIRCUIT(S) FROM CONSTRUCTION AREA. COORDINATE POINT OF CONNECTION WITH CSPP DRAWINGS AND ADJUST LOCATION AS REQUIRED FOR JUMPERS TO COMPLETED WORK IN PREVIOUS PHASE.

C2 PROVIDE TEMPORARY CIRCUIT JUMPERS FOR PROJECT PHASE AS INDICATED. ROUTE JUMPERS IN HDPE CONDUIT ON SURFACE WITHIN BARRIERED CONSTRUCTION LIMITS WITH SUITABLE MARKING AS REQUIRED. TERMINATE CIRCUIT JUMPERS TO MAINTAIN OPERATION OF EXISTING CIRCUIT(S) INDICATED AND TO DE–ENERGIZE ASSOCIATED LIGHTING IN THE PHASED CONSTRUCTION AREA.

C3 PROVIDE TEMPORARY CONNECTIONS IN LIGHT BASE FOR DURATION OF CONSTRUCTION PHASE INDICATED, AS REQUIRED TO MAINTAIN ACTIVE CIRCUIT(S) AND ISOLATE CIRCUIT(S) FROM CONSTRUCTION AREA.

C4 FIELD VERIFY EXISTING CIRCUITING AND NOTIFY ENGINEER IF NOT AS SHOWN. PRESERVE CONTINUITY TO TL PAPA AND PARKING APRON EDGE AND CENTERLINE LIGHTS DURING PHASE 6 CONSTRUCTION.

C5 TEMPORARILY COVER OR DISCONNECT THE INDICATED SEGMENT CENTERLINE LIGHTS DURING PHASED CONSTRUCTION AS REQUIRED BY THE CSPP.

C6 INSTALL TEMPORARY LIGHTING CIRCUIT JUMPERS IN EXISTING 2" SPARE OR DRAIN CONDUITS AS INDICATED. REMOVE TEMPORARY JUMPERS AFTER USE UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER.

Preliminary

STATE OF ALASKA 49TH
William A. Starn
EE-8223
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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3940 ARCTIC BLVD. SUITE 300
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ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
ELECTRICAL REMOVAL & REPLACEMENT PLAN – STA. 374+00 TO 385+50

DATE: OCTOBER 2023

SHEET: E6 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised: 10/19/2023 11:30 PM
Layout Name: E6
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880–ANC–Electrical Removal And Replacement Plans.dwg

GENERAL NOTES:

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

SHEET NOTES:

(1) AREA WITHIN PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
- REMOVE ALL CENTERLINE AND EDGE LIGHT FIXTURES, TRANSFORMERS, AND CONDUCTORS.
- UNLESS OTHERWISE NOTED, REMOVE LIGHT BASES AND CONDUIT.

(2) PROVISIONS FOR INDICATED FIXTURES WITHIN PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
- RETAIN EXISTING LIGHT BASE AND CONDUIT TO EXISTING–TO–REMAIN (ETR) LIGHT BASES. REMOVE CONDUIT TO DEMOLISHED LIGHT BASES.
- CORE DRILL ASPHALT AND P–606 SEALANT AS REQUIRED TO REMOVE UPPER SECTION OF L–868 LIGHT BASE. PRIOR TO TOP SECTION REMOVAL, MEASURE THE AS–BUILT DEPTH FROM SURFACE TO BOTTOM SECTION OF LIGHT BASE AND RECORD THE UPPER SECTION HEIGHT (SHOULD BE 5") AND THICKNESS OF SPACER RING AND FLANGE RING. PROVIDE THIS DATA TO THE ENGINEER.
- INSTALL MUD PLATE AND PLYWOOD COVER ON BOTTOM SECTION OF BASE TO PREPARE FOR HMA PAVEMENT MILLING AS SHOWN ON CIVIL PLANS. NOTIFY ENGINEER IF TOP OF COVER IS LESS THAN 6" BELOW EXISTING SURFACE. ADJUST MILLING DEPTH AROUND FIXTURES TO ENSURE BOTTOM SECTIONS ARE NOT DAMAGED BY REMOVAL OF ASPHALT.

(3) FOR INDICATED FIXTURE(S) OUTSIDE OF PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
- REMOVE FIXTURES, TRANSFORMERS, AND CONDUCTORS ONLY. PLUG AND PROTECT LIGHT BASES TO REMAIN FROM CONSTRUCTION DAMAGE AND DEBRIS.
- REMOVE TRANSFORMERS FOR ILLUMINATED SIGNS IN EDGE LIGHT BASES.

(4) EDGE OR CENTERLINE LIGHT FIXTURE TO REMAIN. PROTECT FIXTURE FROM DAMAGE DURING ADJACENT EXCAVATION, MILLING, PAVING, AND STRIPING OPERATIONS AS APPLICABLE.

(5) REMOVE CONDUCTORS BACK TO NEAREST EXISTING LIGHT OR LIGHT BASE TO REMAIN.

(6) REMOVE CONDUIT TO EXTENT REQUIRED BY PROJECT EXCAVATION FOR RECONNECT IN NEW WORK. CAP AND PROTECT EXPOSED CONDUIT STUB AS REQUIRED DURING EXCAVATION.

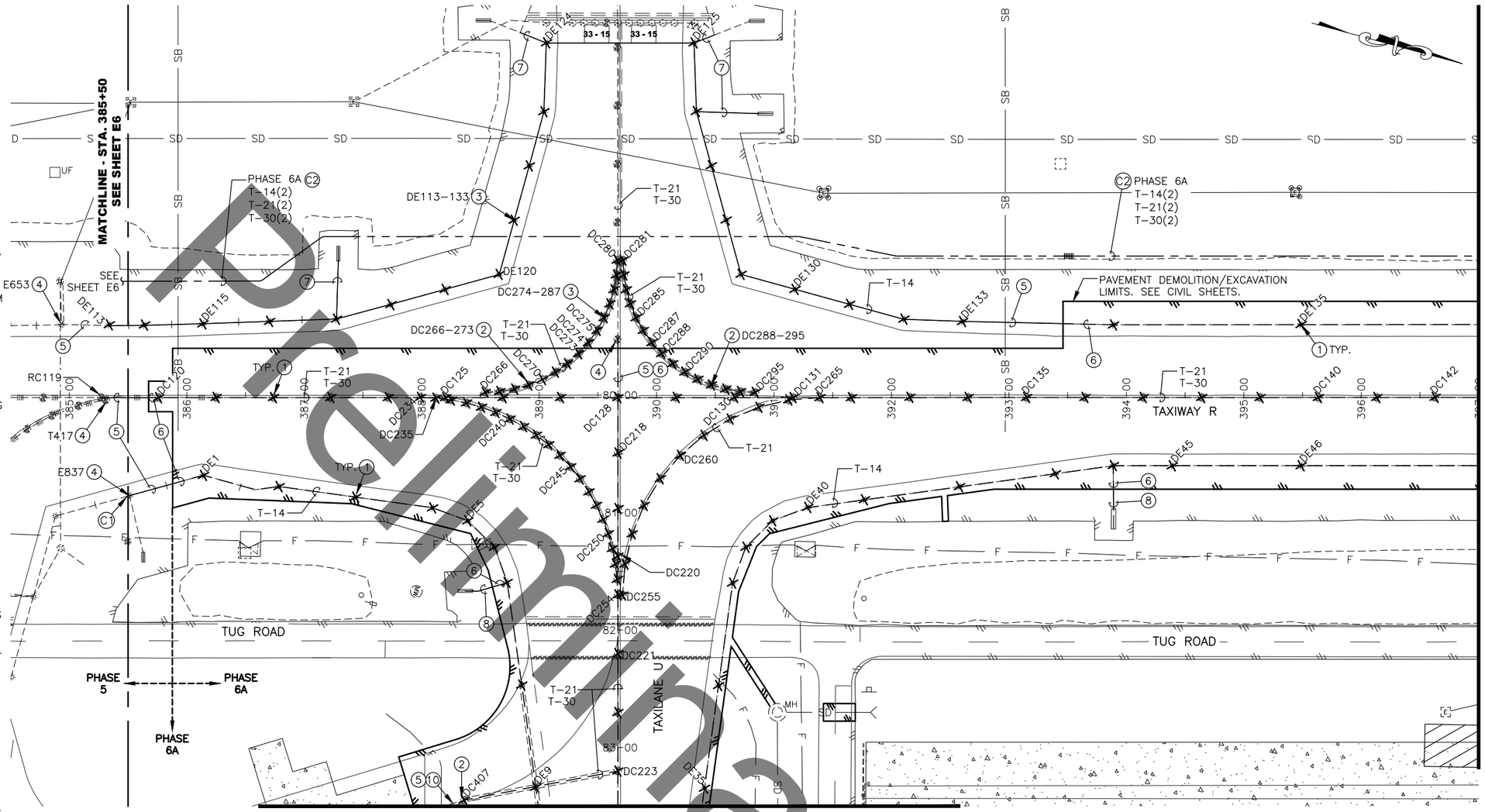
(7) RETAIN SECONDARY CONDUCTORS TO ILLUMINATED SIGN. CONDUCTORS WILL BE RECONNECTED IN NEW WORK.

(8) REMOVE SECONDARY CONDUCTORS TO ILLUMINATED SIGN. CONDUCTORS WILL BE REPLACED IN NEW WORK WITH CHANGE IN LENGTH AS REQUIRED.

(10) PRESERVE EXISTING CONDUIT OR DUCTBANK SECTION TO EXISTING LIGHT BASE, HANDHOLE, OR MANHOLE TO REMAIN. MAINTAIN CONTINUITY AT CROSSING OF OTHER DUCTBANK(S) TO BE DEMOLISHED.

CSPP NOTES:

(C2) PROVIDE TEMPORARY CIRCUIT JUMPERS FOR PROJECT PHASE AS INDICATED. ROUTE JUMPERS IN HDPE CONDUIT ON SURFACE WITHIN BARRIERED CONSTRUCTION LIMITS WITH SUITABLE MARKING AS REQUIRED. TERMINATE CIRCUIT JUMPERS TO MAINTAIN OPERATION OF EXISTING CIRCUIT(S) INDICATED AND TO DE–ENERGIZE ASSOCIATED LIGHTING IN THE PHASED CONSTRUCTION AREA.



1 / E7

ELECTRICAL DEMOLITION PLAN – STA. 385+50 TO 397+00

50' 25' 0 50' 100'

Preliminary

Designed By:	JH
Drawn By:	SS
Checked By:	WS
Date Revised:	10/23/2023 9:34 AM
Layout Name:	E7
File Path and Name:	J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Demolition Plans.dwg

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER William A. Starn EE-8223

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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
ELECTRICAL DEMOLITION PLAN – STA. 385+50 TO 397+00

DATE: OCTOBER 2023

SHEET: E7 OF E37

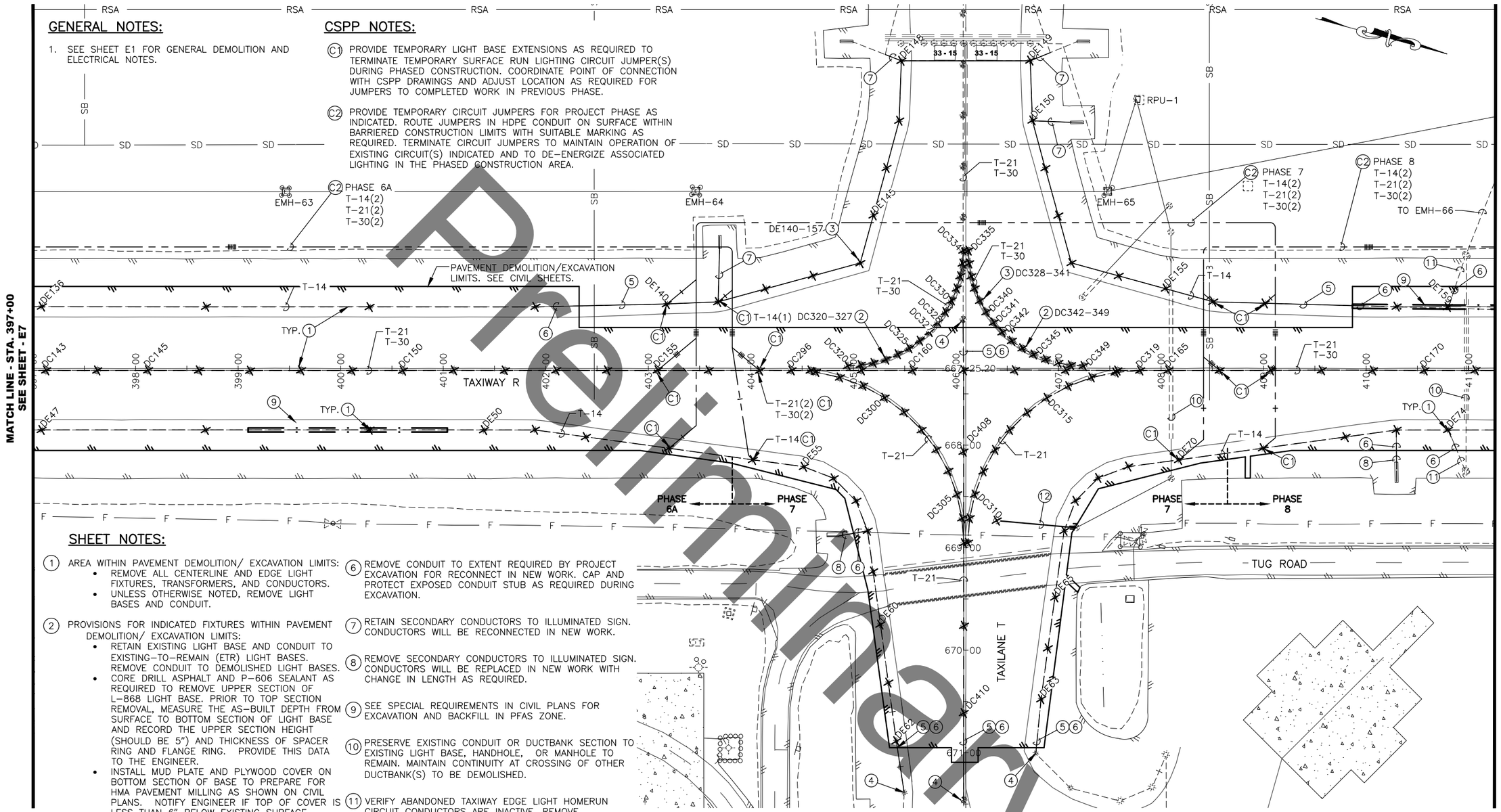
GENERAL NOTES:

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

CSPP NOTES:

(C1) PROVIDE TEMPORARY LIGHT BASE EXTENSIONS AS REQUIRED TO TERMINATE TEMPORARY SURFACE RUN LIGHTING CIRCUIT JUMPER(S) DURING PHASED CONSTRUCTION. COORDINATE POINT OF CONNECTION WITH CSPP DRAWINGS AND ADJUST LOCATION AS REQUIRED FOR JUMPERS TO COMPLETED WORK IN PREVIOUS PHASE.

(C2) PROVIDE TEMPORARY CIRCUIT JUMPERS FOR PROJECT PHASE AS INDICATED. ROUTE JUMPERS IN HDPE CONDUIT ON SURFACE WITHIN BARRIERED CONSTRUCTION LIMITS WITH SUITABLE MARKING AS REQUIRED. TERMINATE CIRCUIT JUMPERS TO MAINTAIN OPERATION OF EXISTING CIRCUIT(S) INDICATED AND TO DE-ENERGIZE ASSOCIATED LIGHTING IN THE PHASED CONSTRUCTION AREA.



SHEET NOTES:

(1) AREA WITHIN PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
- REMOVE ALL CENTERLINE AND EDGE LIGHT FIXTURES, TRANSFORMERS, AND CONDUCTORS.
- UNLESS OTHERWISE NOTED, REMOVE LIGHT BASES AND CONDUIT.

(2) PROVISIONS FOR INDICATED FIXTURES WITHIN PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
- RETAIN EXISTING LIGHT BASE AND CONDUIT TO EXISTING-TO-REMAIN (ETR) LIGHT BASES. REMOVE CONDUIT TO DEMOLISHED LIGHT BASES.
- CORE DRILL ASPHALT AND P-606 SEALANT AS REQUIRED TO REMOVE UPPER SECTION OF L-868 LIGHT BASE. PRIOR TO TOP SECTION REMOVAL, MEASURE THE AS-BUILT DEPTH FROM SURFACE TO BOTTOM SECTION OF LIGHT BASE AND RECORD THE UPPER SECTION HEIGHT (SHOULD BE 5") AND THICKNESS OF SPACER RING AND FLANGE RING. PROVIDE THIS DATA TO THE ENGINEER.
- INSTALL MUD PLATE AND PLYWOOD COVER ON BOTTOM SECTION OF BASE TO PREPARE FOR HMA PAVEMENT MILLING AS SHOWN ON CIVIL PLANS. NOTIFY ENGINEER IF TOP OF COVER IS LESS THAN 6" BELOW EXISTING SURFACE. ADJUST MILLING DEPTH AROUND FIXTURES TO ENSURE BOTTOM SECTIONS ARE NOT DAMAGED BY REMOVAL OF ASPHALT.

(3) FOR INDICATED FIXTURE(S) OUTSIDE OF PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
- REMOVE FIXTURES, TRANSFORMERS, AND CONDUCTORS ONLY. PLUG AND PROTECT LIGHT BASES TO REMAIN FROM CONSTRUCTION DAMAGE AND DEBRIS.
- REMOVE TRANSFORMERS FOR ILLUMINATED SIGNS IN EDGE LIGHT BASES.

(4) EDGE OR CENTERLINE LIGHT FIXTURE TO REMAIN. PROTECT FIXTURE FROM DAMAGE DURING ADJACENT EXCAVATION, MILLING, PAVING, AND STRIPING OPERATIONS AS APPLICABLE.

(5) REMOVE CONDUCTORS BACK TO NEAREST EXISTING LIGHT OR LIGHT BASE TO REMAIN.

(6) REMOVE CONDUIT TO EXTENT REQUIRED BY PROJECT EXCAVATION FOR RECONNECT IN NEW WORK. CAP AND PROTECT EXPOSED CONDUIT STUB AS REQUIRED DURING EXCAVATION.

(7) RETAIN SECONDARY CONDUCTORS TO ILLUMINATED SIGN. CONDUCTORS WILL BE RECONNECTED IN NEW WORK.

(8) REMOVE SECONDARY CONDUCTORS TO ILLUMINATED SIGN. CONDUCTORS WILL BE REPLACED IN NEW WORK WITH CHANGE IN LENGTH AS REQUIRED.

(9) SEE SPECIAL REQUIREMENTS IN CIVIL PLANS FOR EXCAVATION AND BACKFILL IN PFAS ZONE.

(10) PRESERVE EXISTING CONDUIT OR DUCTBANK SECTION TO EXISTING LIGHT BASE, HANDHOLE, OR MANHOLE TO REMAIN. MAINTAIN CONTINUITY AT CROSSING OF OTHER DUCTBANK(S) TO BE DEMOLISHED.

(11) VERIFY ABANDONED TAXIWAY EDGE LIGHT HOMERUN CIRCUIT CONDUCTORS ARE INACTIVE. REMOVE ABANDONED CONDUCTORS BACK TO NEAREST HANDHOLE AND REPLACE WITH PULL WIRE FOR FUTURE USE.

(12) REMOVE SURFACE SENSOR, CONDUIT AND CABLE BACK TO SPLICE IN HANDHOLE TO REMAIN AT EDGE OF PROJECT LIMITS.

1/E8 ELECTRICAL DEMOLITION PLAN – STA. 397+00 TO 411+25

50' 25' 0 50' 100'

Preliminary

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William A. Starn
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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL DEMOLITION PLAN – STA. 397+00 TO 411+25

DATE: OCTOBER 2023

SHEET: E8 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

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Layout Name: E8
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Demolition Plans.dwg 10/23/2023 9:34 AM

GENERAL NOTES:

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

CSPP NOTES:

(C2) PROVIDE TEMPORARY CIRCUIT JUMPERS FOR PROJECT PHASE AS INDICATED. ROUTE JUMPERS IN HDPE CONDUIT ON SURFACE WITHIN BARRIERED CONSTRUCTION LIMITS WITH SUITABLE MARKING AS REQUIRED. TERMINATE CIRCUIT JUMPERS TO MAINTAIN OPERATION OF EXISTING CIRCUIT(S) INDICATED AND TO DE-ENERGIZE ASSOCIATED LIGHTING IN THE PHASED CONSTRUCTION AREA.

SHEET NOTES:

(1) AREA WITHIN PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
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- REMOVE TRANSFORMERS FOR ILLUMINATED SIGNS IN EDGE LIGHT BASES.

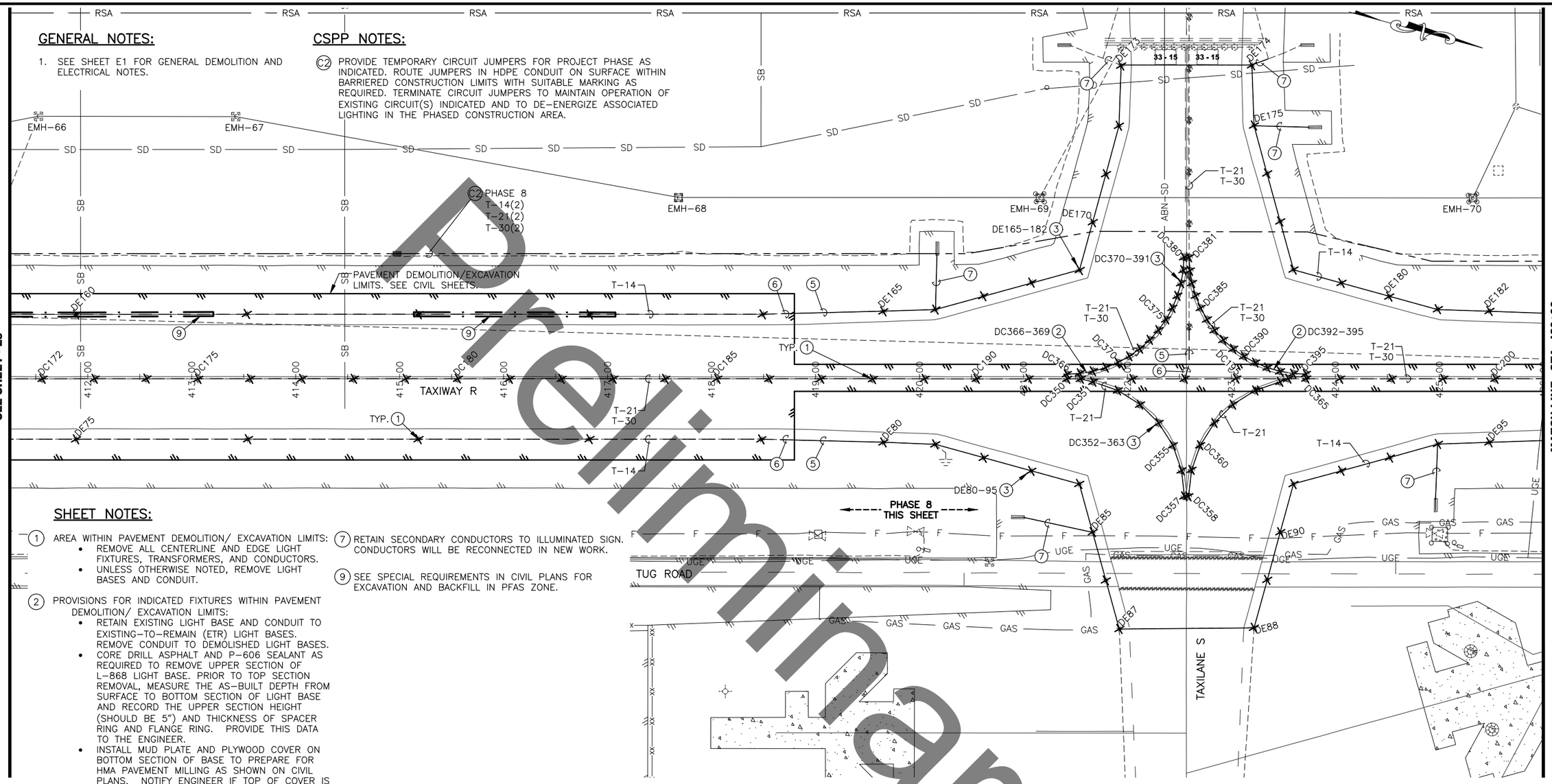
(4) EDGE OR CENTERLINE LIGHT FIXTURE TO REMAIN. PROTECT FIXTURE FROM DAMAGE DURING ADJACENT EXCAVATION, MILLING, PAVING, AND STRIPING OPERATIONS AS APPLICABLE.

(5) REMOVE CONDUCTORS BACK TO NEAREST EXISTING LIGHT OR LIGHT BASE TO REMAIN.

(6) REMOVE CONDUIT TO EXTENT REQUIRED BY PROJECT EXCAVATION FOR RECONNECT IN NEW WORK. CAP AND PROTECT EXPOSED CONDUIT STUB AS REQUIRED DURING EXCAVATION.

(7) RETAIN SECONDARY CONDUCTORS TO ILLUMINATED SIGN. CONDUCTORS WILL BE RECONNECTED IN NEW WORK.

(9) SEE SPECIAL REQUIREMENTS IN CIVIL PLANS FOR EXCAVATION AND BACKFILL IN PFAS ZONE.



1/E9 ELECTRICAL DEMOLITION PLAN – STA. 411+25 TO 426+00

50' 25' 0 50' 100'

Preliminary

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49TH
William A. Starn
EE-8223
REGISTERED PROFESSIONAL ENGINEER

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BY	DATE	REVISION

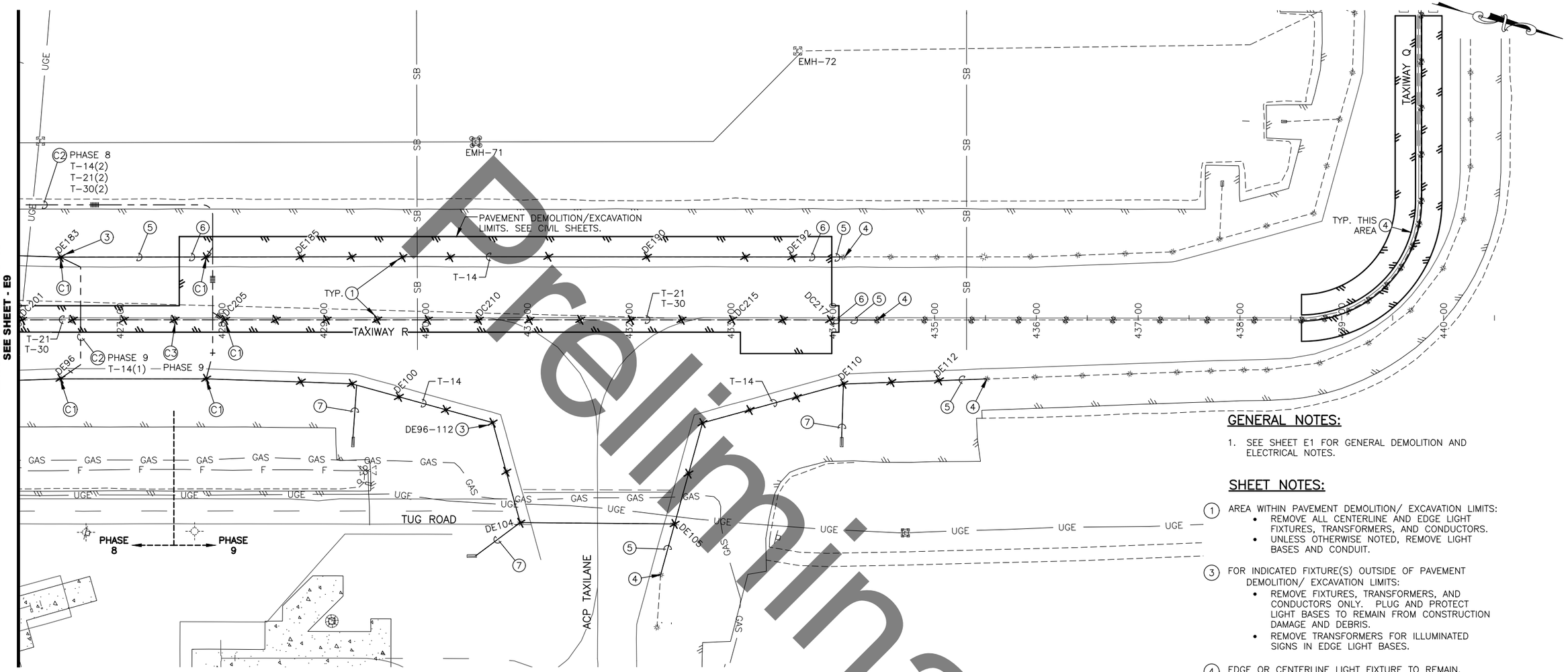
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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL DEMOLITION PLAN – STA. 411+25 TO 426+00

DATE: OCTOBER 2023
SHEET: E9 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

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1 E10 ELECTRICAL DEMOLITION PLAN – STA. 426+00 TO EOP

50' 25' 0 50' 100'

GENERAL NOTES:

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

SHEET NOTES:

(1) AREA WITHIN PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
- REMOVE ALL CENTERLINE AND EDGE LIGHT FIXTURES, TRANSFORMERS, AND CONDUCTORS.
- UNLESS OTHERWISE NOTED, REMOVE LIGHT BASES AND CONDUIT.

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- REMOVE FIXTURES, TRANSFORMERS, AND CONDUCTORS ONLY. PLUG AND PROTECT LIGHT BASES TO REMAIN FROM CONSTRUCTION DAMAGE AND DEBRIS.
- REMOVE TRANSFORMERS FOR ILLUMINATED SIGNS IN EDGE LIGHT BASES.

(4) EDGE OR CENTERLINE LIGHT FIXTURE TO REMAIN. PROTECT FIXTURE FROM DAMAGE DURING ADJACENT EXCAVATION, MILLING, PAVING, AND STRIPING OPERATIONS AS APPLICABLE.

(5) REMOVE CONDUCTORS BACK TO NEAREST EXISTING LIGHT OR LIGHT BASE TO REMAIN.

(6) REMOVE CONDUIT TO EXTENT REQUIRED BY PROJECT EXCAVATION FOR RECONNECT IN NEW WORK. CAP AND PROTECT EXPOSED CONDUIT STUB AS REQUIRED DURING EXCAVATION.

(7) RETAIN SECONDARY CONDUCTORS TO ILLUMINATED SIGN. CONDUCTORS WILL BE RECONNECTED IN NEW WORK.

CSPP NOTES:

(C1) PROVIDE TEMPORARY LIGHT BASE EXTENSIONS AS REQUIRED TO TERMINATE TEMPORARY SURFACE RUN LIGHTING CIRCUIT JUMPER(S) DURING PHASED CONSTRUCTION. COORDINATE POINT OF CONNECTION WITH CSPP DRAWINGS AND ADJUST LOCATION AS REQUIRED FOR JUMPERS TO COMPLETED WORK IN PREVIOUS PHASE.

(C2) PROVIDE TEMPORARY CIRCUIT JUMPERS FOR PROJECT PHASE AS INDICATED. ROUTE JUMPERS IN HDPE CONDUIT ON SURFACE WITHIN BARRIERED CONSTRUCTION LIMITS WITH SUITABLE MARKING AS REQUIRED. TERMINATE CIRCUIT JUMPERS TO MAINTAIN OPERATION OF EXISTING CIRCUIT(S) INDICATED AND TO DE-ENERGIZE ASSOCIATED LIGHTING IN THE PHASED CONSTRUCTION AREA.

(C3) PROVIDE TEMPORARY CONNECTIONS IN LIGHT BASE FOR DURATION OF CONSTRUCTION PHASE INDICATED, AS REQUIRED TO ISOLATE ACTIVE CIRCUITS AND BYPASS CONSTRUCTION AREA.

Preliminary

STATE OF ALASKA · 49TH · William A. Starn · EE-8223 · REGISTERED PROFESSIONAL ENGINEER

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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL DEMOLITION PLAN – STA. 426+00 TO EOP

DATE: OCTOBER 2023
SHEET: E10 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised:
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File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Demolition Plans.dwg
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GENERAL NOTES:

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

SHEET NOTES:

(1) AREA WITHIN PAVEMENT DEMOLITION/ EXCAVATION LIMITS:
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- INSTALL MUD PLATE AND PLYWOOD COVER ON BOTTOM SECTION OF BASE TO PREPARE FOR HMA PAVEMENT MILLING AS SHOWN ON CIVIL PLANS. NOTIFY ENGINEER IF TOP OF COVER IS LESS THAN 6" BELOW EXISTING SURFACE. ADJUST MILLING DEPTH AROUND FIXTURES TO ENSURE BOTTOM SECTIONS ARE NOT DAMAGED BY REMOVAL OF ASPHALT.

(4) EDGE OR CENTERLINE LIGHT FIXTURE TO REMAIN. PROTECT FIXTURE FROM DAMAGE DURING ADJACENT EXCAVATION, MILLING, PAVING, AND STRIPING OPERATIONS AS APPLICABLE.

(5) REMOVE CONDUCTORS BACK TO NEAREST EXISTING LIGHT OR LIGHT BASE TO REMAIN.

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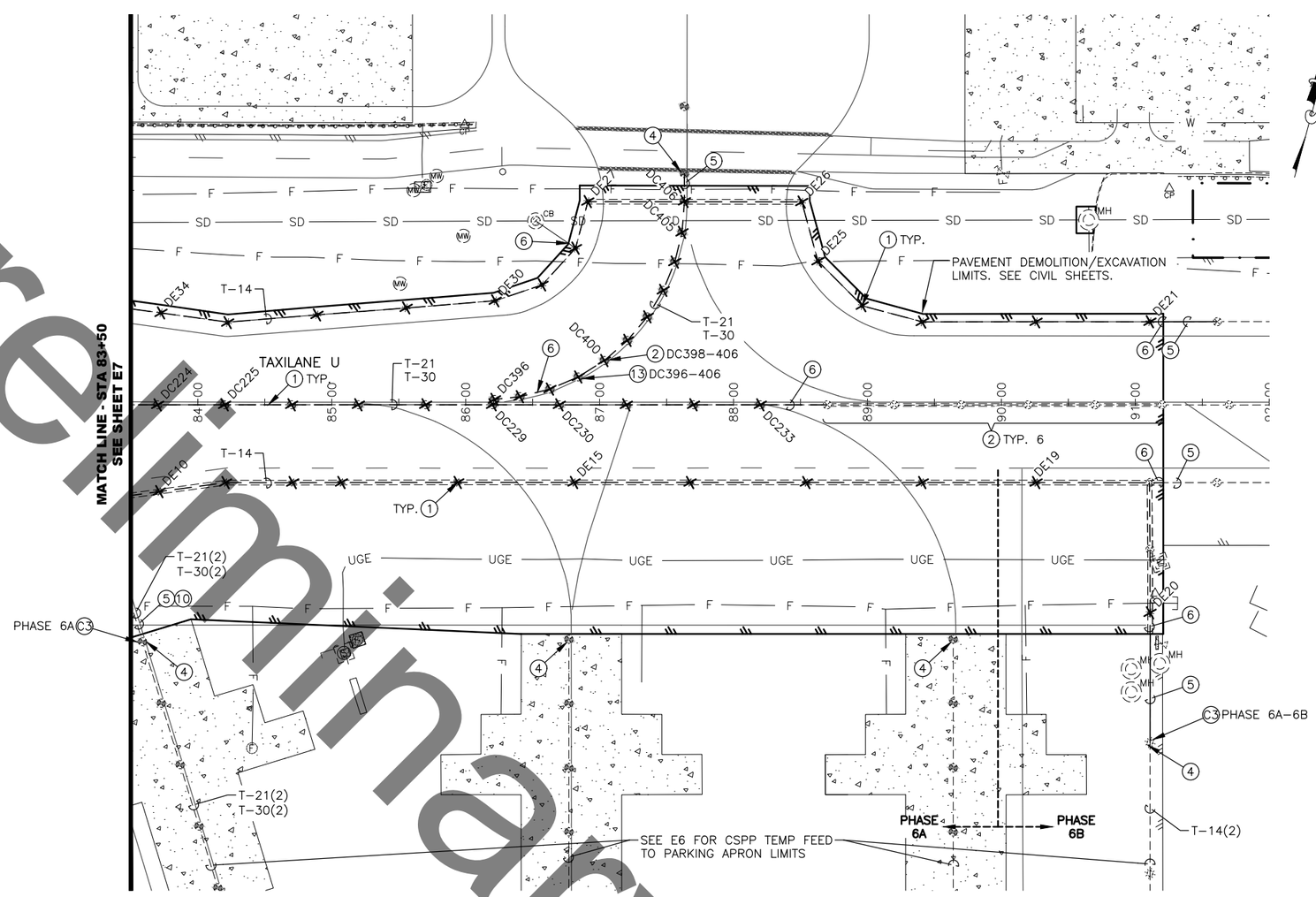
(10) PRESERVE EXISTING CONDUIT OR DUCTBANK SECTION TO EXISTING LIGHT BASE, HANDHOLE, OR MANHOLE TO REMAIN. MAINTAIN CONTINUITY AT CROSSING OF OTHER DUCTBANK(S) TO BE DEMOLISHED.

(13) CAREFULLY REMOVE AND RETAIN INDICATED LED CENTERLINE LIGHTS FOR REINSTALLATION AT SAME LOCATION IN NEW WORK.

CSPP NOTES:

- CSPP PHASE 6A–6B: EDGE LIGHTS ON TAXILANE U EAST OF CONSTRUCTION LIMITS (STA 91+20) SHALL BE DISCONNECTED AND OUT OF SERVICE FOR DURATION OF THIS PHASE AND DO NOT REQUIRE TEMPORARY JUMPERS.
- CSPP PHASE 6B: SEE SHEET E16 FOR ADDITIONAL TEMPORARY JUMPER PROVISIONS.

(C3) PROVIDE TEMPORARY CONNECTIONS IN LIGHT BASE FOR DURATION OF CONSTRUCTION PHASE INDICATED, AS REQUIRED TO MAINTAIN ACTIVE CIRCUIT(S) AND ISOLATE CIRCUIT(S) FROM CONSTRUCTION AREA.



1 / E11 ELECTRICAL DEMOLITION PLAN – TAXILANE U STA. 83+50 TO EOP

50' 25' 0 50' 100'

Preliminary

Designed By:	JH
Drawn By:	SS
Checked By:	WS
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STATE OF ALASKA — 49TH — William A. Stam EE-8223 — REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
ELECTRICAL DEMOLITION PLAN – TAXILANE U STA. 83+50 TO EOP

DATE: OCTOBER 2023

SHEET: E11 OF E37

GENERAL NOTES:

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

SHEET NOTES:

(1) 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.

(2) CORE DRILL NEW HMA OVERLAY, REMOVE PLYWOOD COVER AND MUD PLATE, AND REINSTALL TOP SECTION OF EXISTING LIGHT BASE WITH SPACERS AS REQUIRED. THIS WORK SHALL BE SUBSIDIARY TO ITEM L125.210.0000 (ADJUST TW LIGHT).

(3) PROVIDE NEW FLUSH TW LIGHT FIXTURE, TRANSFORMER, CONDUCTORS AND CONNECTIONS AS REQUIRED FOR INSTALLATION IN EXISTING LIGHT BASE. THIS WORK SUBSIDIARY TO ITEM L125.600.040 (REFURBISH FLUSH TW LIGHT).

(4) PROVIDE NEW ELEVATED TW EDGE LIGHT FIXTURE, TRANSFORMER, CONDUCTORS AND CONNECTIONS AS REQUIRED FOR INSTALLATION IN EXISTING LIGHT BASE. INCLUDE ADDITIONAL TRANSFORMER AND RECONNECT TO EXISTING ILLUMINATED SIGN WHERE APPLICABLE. THIS WORK SUBSIDIARY TO ITEM L125.600.0010 (REFURBISH TW EDGE LIGHT, L-861T).

(5) PROVIDE 2" CONDUIT DRAIN LINE, ENCASED UNDER PAVED AREAS SUBJECT TO AIRCRAFT TRAFFIC.

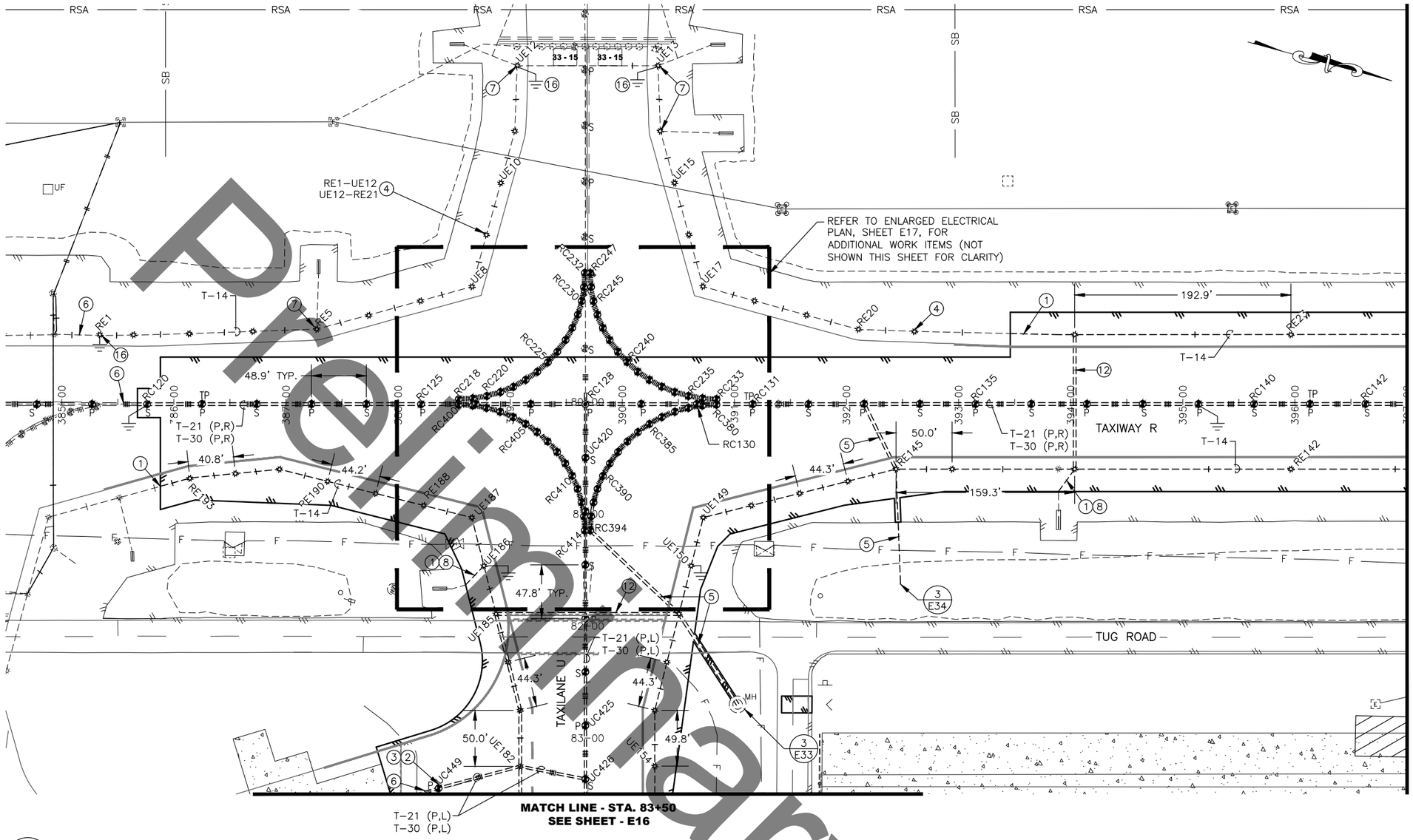
(6) EXTEND NEW CONDUCTORS IN EXISTING CONDUIT WITH CONNECTIONS TO NEAREST EXISTING LIGHT BASE WIRING AND TRANSFORMER(S). CONNECTIONS SHALL BE SUBSIDIARY TO L108 ITEMS.

(7) RECONNECT 600V SECONDARY CONDUCTORS FROM ILLUMINATED SIGN TO NEW 100VA ISOLATION TRANSFORMER IN REFURBISHED EDGE LIGHT BASE. THIS WORK SUBSIDIARY TO ITEM L125.600.0010 (REFURBISH TW EDGE LIGHT, L-861T).

(8) PROVIDE NEW 100VA ISOLATION TRANSFORMER AND 600V SECONDARY CONDUCTORS AS REQUIRED TO RECONNECT EXISTING ILLUMINATED SIGN TO EDGE LIGHT CIRCUIT.

(12) PROVIDE 2" SPARE CONDUIT WITH PULL WIRE.

(16) EXISTING GROUND ROD CONNECTION AT THIS LOCATION.



1 E12 ELECTRICAL PLAN – STA. 385+00 TO 397+00

50' 25' 0 50' 100'

Preliminary

Designed By:	JH
Drawn By:	SS
Checked By:	WS
Date Revised:	10/23/2023 10:51 AM
Layout Name:	E12
File Path and Name:	J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\09 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Plans.dwg

STATE OF ALASKA · 49TH · William A. Starn EE-8223 · REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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(907) 562-3252
#AECL882-AK

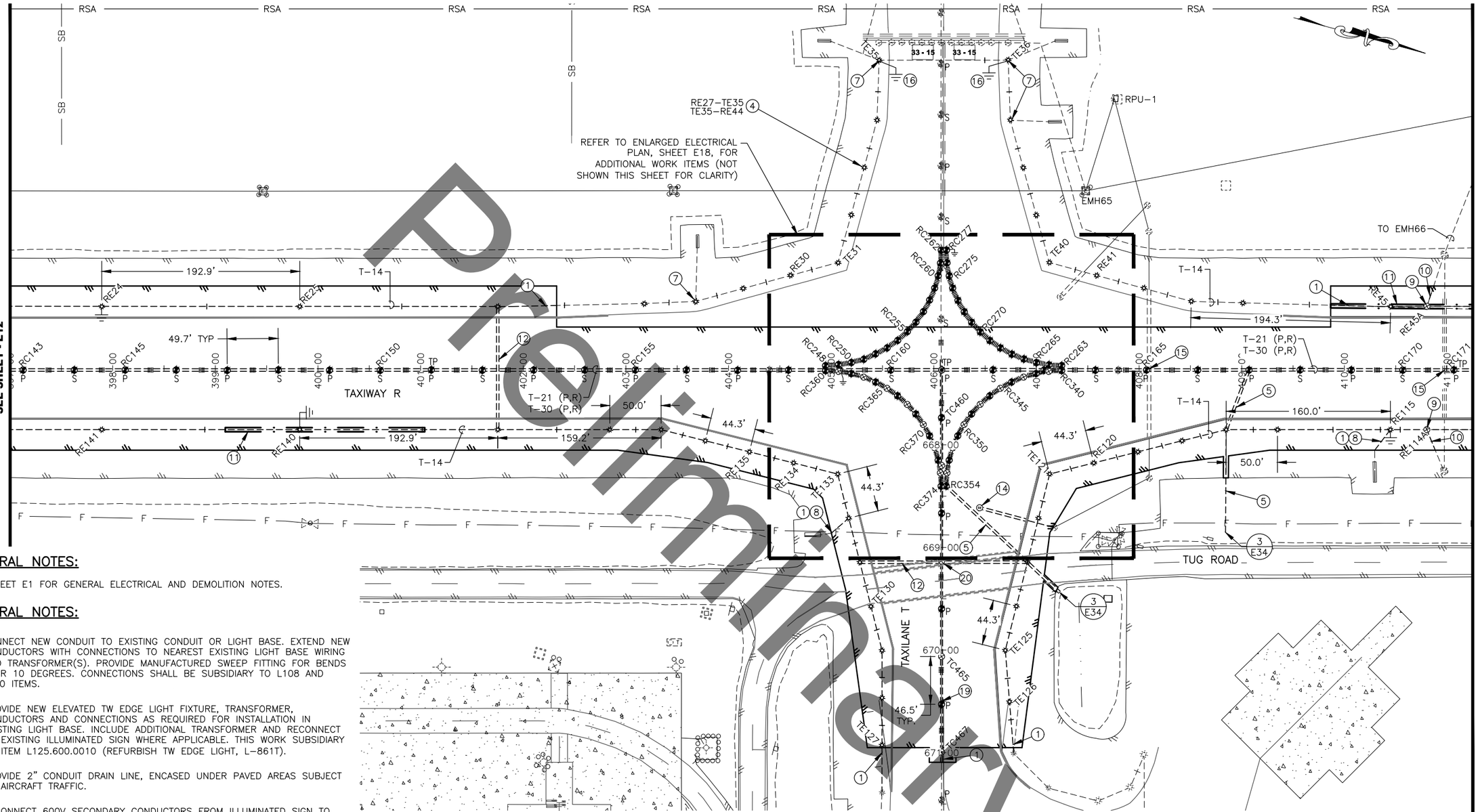
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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL PLAN – STA. 385+00 TO 397+00

DATE: OCTOBER 2023

SHEET: E12 OF E37



1 E13 ELECTRICAL PLAN – STA. 397+00 TO 411+25

50' 25' 0 50' 100'

GENERAL NOTES:

SEE SHEET E1 FOR GENERAL ELECTRICAL AND DEMOLITION NOTES.

GENERAL NOTES:

(1) 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.

(4) PROVIDE NEW ELEVATED TW EDGE LIGHT FIXTURE, TRANSFORMER, CONDUCTORS AND CONNECTIONS AS REQUIRED FOR INSTALLATION IN EXISTING LIGHT BASE. INCLUDE ADDITIONAL TRANSFORMER AND RECONNECT TO EXISTING ILLUMINATED SIGN WHERE APPLICABLE. THIS WORK SUBSIDIARY TO ITEM L125.600.0010 (REFURBISH TW EDGE LIGHT, L–861T).

(5) PROVIDE 2" CONDUIT DRAIN LINE, ENCASED UNDER PAVED AREAS SUBJECT TO AIRCRAFT TRAFFIC.

(7) RECONNECT 600V SECONDARY CONDUCTORS FROM ILLUMINATED SIGN TO NEW 100VA ISOLATION TRANSFORMER IN REFURBISHED EDGE LIGHT BASE. THIS WORK SUBSIDIARY TO ITEM L125.600.0010 (REFURBISH TW EDGE LIGHT, L–861T).

(8) PROVIDE NEW 100VA ISOLATION TRANSFORMER AND 600V SECONDARY CONDUCTORS AS REQUIRED TO RECONNECT EXISTING ILLUMINATED SIGN TO EDGE LIGHT CIRCUIT.

(9) PROVIDE L–867 HANDHOLE WITH UPPER/LOWER SECTION AND GASKETED STEEL COVER.

(10) CONNECT NEW CONDUIT ONLY TO EXISTING CONDUIT OR LIGHT BASE FOR FUTURE USE.

(11) SEE SPECIAL REQUIREMENTS IN CIVIL PLANS FOR EXCAVATION AND BACKFILL IN PFAS ZONE, EXTENT AS INDICATED.

(12) PROVIDE 2" SPARE CONDUIT WITH PULL WIRE.

(14) PROVIDE NEW SURFACE SENSOR WITH 1" RMC AND CABLE RUN TO EXISTING HANDHOLE AT EDGE OF PAVING LIMITS.

(15) WHERE CROSSING EXISTING CONCRETE–ENCASED CONDUITS, SLOPE OR OFFSET NEW CONDUIT TO ROUTE OVER OR UNDER EXISTING CONDUIT WHILE MAINTAINING DRAINAGE TO THE ADJACENT LIGHT BASE(S). WHEN ROUTING NEW CONDUIT OVER EXISTING, SAW CUT AND REMOVE EXISTING CONCRETE TO APPROXIMATELY 1–2" ABOVE EXISTING CONDUIT.

(16) EXISTING GROUND ROD CONNECTION AT THIS LOCATION.

(19) CONNECT ADJACENT CENTERLINE LIGHTS IN ALTERNATING SEQUENCE TO PRIMARY (P) AND SECONDARY (S) CIRCUITS. WHERE NEW LIGHTS INTERFACE TO EXISTING LIGHTING, VERIFY WITH PROJECT ENGINEER THAT CORRECT SEQUENCE IS MAINTAINED BEFORE CIRCUITING FIXTURES.

(20) PROVIDE LIGHT BASES AND CONDUCTORS ONLY WITH ADEQUATE SLACK FOR CONNECTING FUTURE SECONDARY (LO–VIS) CENTERLINE LIGHTS AT T/L TANGO EAST OF T/W ROMEO, IN ACCORDANCE WITH THE ANC LVO/SMGCS PLAN (REV XIII).

Preliminary

STATE OF ALASKA · 49TH · William A. Starn · EE-8223 · REGISTERED PROFESSIONAL ENGINEER

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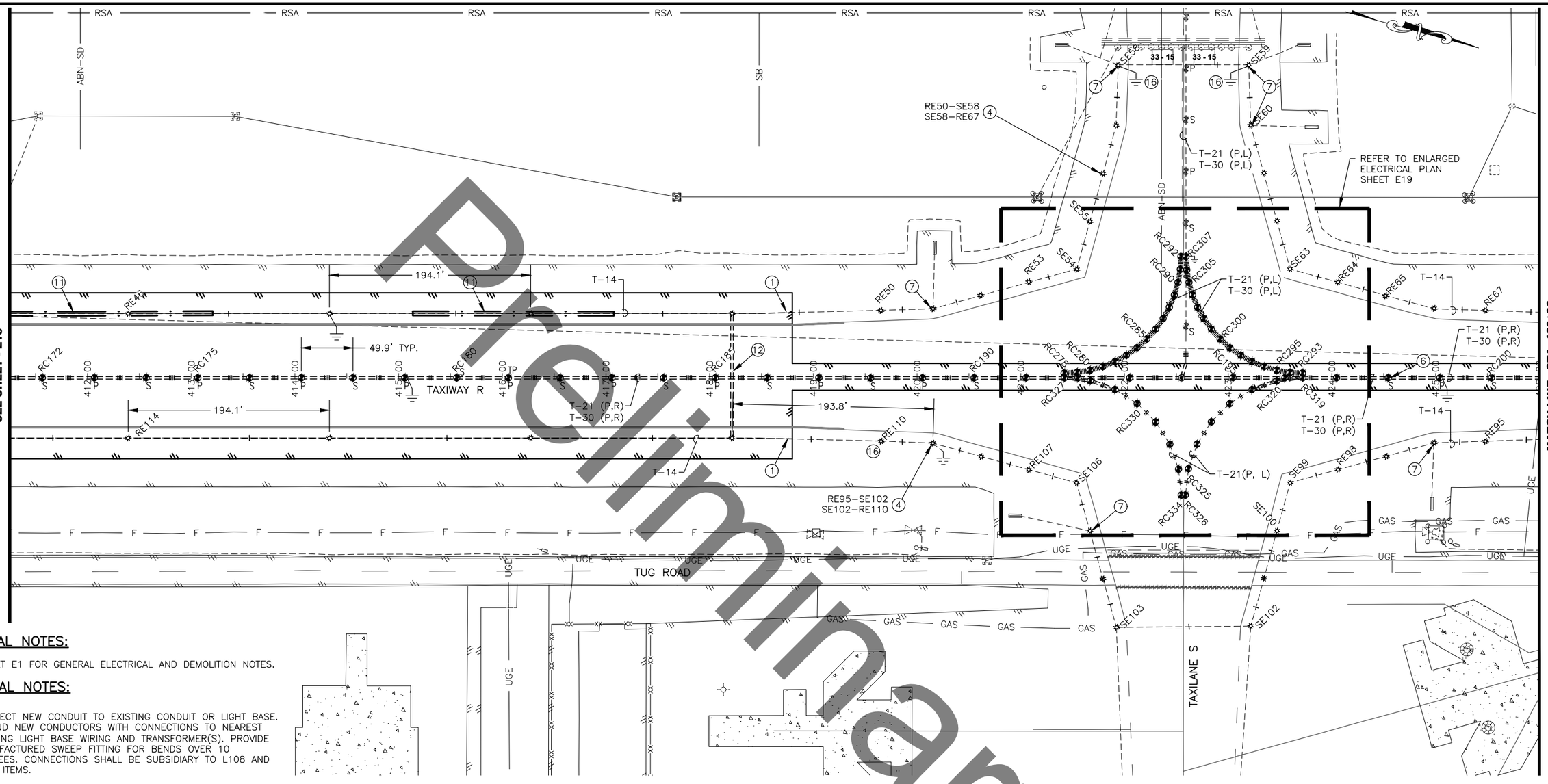
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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
ELECTRICAL PLAN – STA. 397+00 TO 411+25

DATE: OCTOBER 2023
SHEET: E13 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

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GENERAL NOTES:

SEE SHEET E1 FOR GENERAL ELECTRICAL AND DEMOLITION NOTES.

GENERAL NOTES:

(1) 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.

(4) PROVIDE NEW ELEVATED TW EDGE LIGHT FIXTURE, TRANSFORMER, CONDUCTORS AND CONNECTIONS AS REQUIRED FOR INSTALLATION IN EXISTING LIGHT BASE. INCLUDE ADDITIONAL TRANSFORMER AND RECONNECT TO EXISTING ILLUMINATED SIGN WHERE APPLICABLE. THIS WORK SUBSIDIARY TO ITEM L125.600.0010 (REFURBISH TW EDGE LIGHT, L–861T).

(7) RECONNECT 600V SECONDARY CONDUCTORS FROM ILLUMINATED SIGN TO NEW 100VA ISOLATION TRANSFORMER IN REFURBISHED EDGE LIGHT BASE. THIS WORK SUBSIDIARY TO ITEM L125.600.0010 (REFURBISH TW EDGE LIGHT, L–861T).

(11) SEE SPECIAL REQUIREMENTS IN CIVIL PLANS FOR EXCAVATION AND BACKFILL IN PFAS ZONE, EXTENT AS INDICATED.

(12) PROVIDE 2" SPARE CONDUIT WITH PULL WIRE.

(16) EXISTING GROUND ROD CONNECTION AT THIS LOCATION.

1 / E14 ELECTRICAL PLAN – STA. 411+25 TO 426+00

50' 25' 0 50' 100'

Preliminary

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AIP No. 3–02–0016–XXX–2024
ELECTRICAL PLAN – STA. 411+25 TO 426+00

DATE: OCTOBER 2023
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Designed By: JH
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File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880–ANC–Electrical Plans.dwg



1
E15

ELECTRICAL PLAN – STA. 426+00 TO EOP

50' 25' 0 50' 100'

SHEET NOTES:

(1) 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.

(4) PROVIDE NEW ELEVATED TW EDGE LIGHT FIXTURE, TRANSFORMER, CONDUCTORS AND CONNECTIONS AS REQUIRED FOR INSTALLATION IN EXISTING LIGHT BASE. INCLUDE ADDITIONAL TRANSFORMER AND RECONNECT TO EXISTING ILLUMINATED SIGN WHERE APPLICABLE. THIS WORK SUBSIDIARY TO ITEM L125.600.0010 (REFURBISH TW EDGE LIGHT, L-861T).

(7) RECONNECT 600V SECONDARY CONDUCTORS FROM ILLUMINATED SIGN TO NEW 100VA ISOLATION TRANSFORMER IN REFURBISHED EDGE LIGHT BASE. THIS WORK SUBSIDIARY TO ITEM L125.600.0010 (REFURBISH TW EDGE LIGHT, L-861T).

(16) EXISTING GROUND ROD CONNECTION AT THIS LOCATION.

GENERAL NOTES:

SEE SHEET E1 FOR GENERAL ELECTRICAL AND DEMOLITION NOTES.

Preliminary

STATE OF ALASKA
49TH
William A. Stam
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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL PLAN – STA. 426+00 TO EOP

DATE: OCTOBER 2023
SHEET: E15 OF E37

Designed By: JH
Drawn By: SS
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Date Revised:
Layout Name: E15
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Plans.dwg
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GENERAL NOTES:

SEE SHEET E1 FOR GENERAL ELECTRICAL AND DEMOLITION NOTES.

SHEET NOTES:

(1) 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.

(2) CORE DRILL NEW HMA OVERLAY, REMOVE PLYWOOD COVER AND MUD PLATE, AND REINSTALL TOP SECTION OF EXISTING LIGHT BASE WITH SPACERS AS REQUIRED. THIS WORK SHALL BE SUBSIDIARY TO ITEM L125.210.0000 (ADJUST TW LIGHT).

(6) EXTEND NEW CONDUCTORS IN EXISTING CONDUIT WITH CONNECTIONS TO NEAREST EXISTING LIGHT BASE WIRING AND TRANSFORMER(S). CONNECTIONS SHALL BE SUBSIDIARY TO L108 ITEMS.

(12) PROVIDE 2" SPARE CONDUIT WITH PULL WIRE.

(13) RE-INSTALL SAME EXISTING LED CENTERLINE FIXTURES (FROM 2021 FEDEX PROJECT) REMOVED IN DEMOLITION WORK AT THIS LOCATION. PROVIDE NEW TRANSFORMERS, CONNECTIONS, AND CONDUCTORS.

(17) PROVIDE BLANK STEEL COVER.

(18) CONNECT LIGHT BASE TO EXISTING CONDUIT DRAIN.

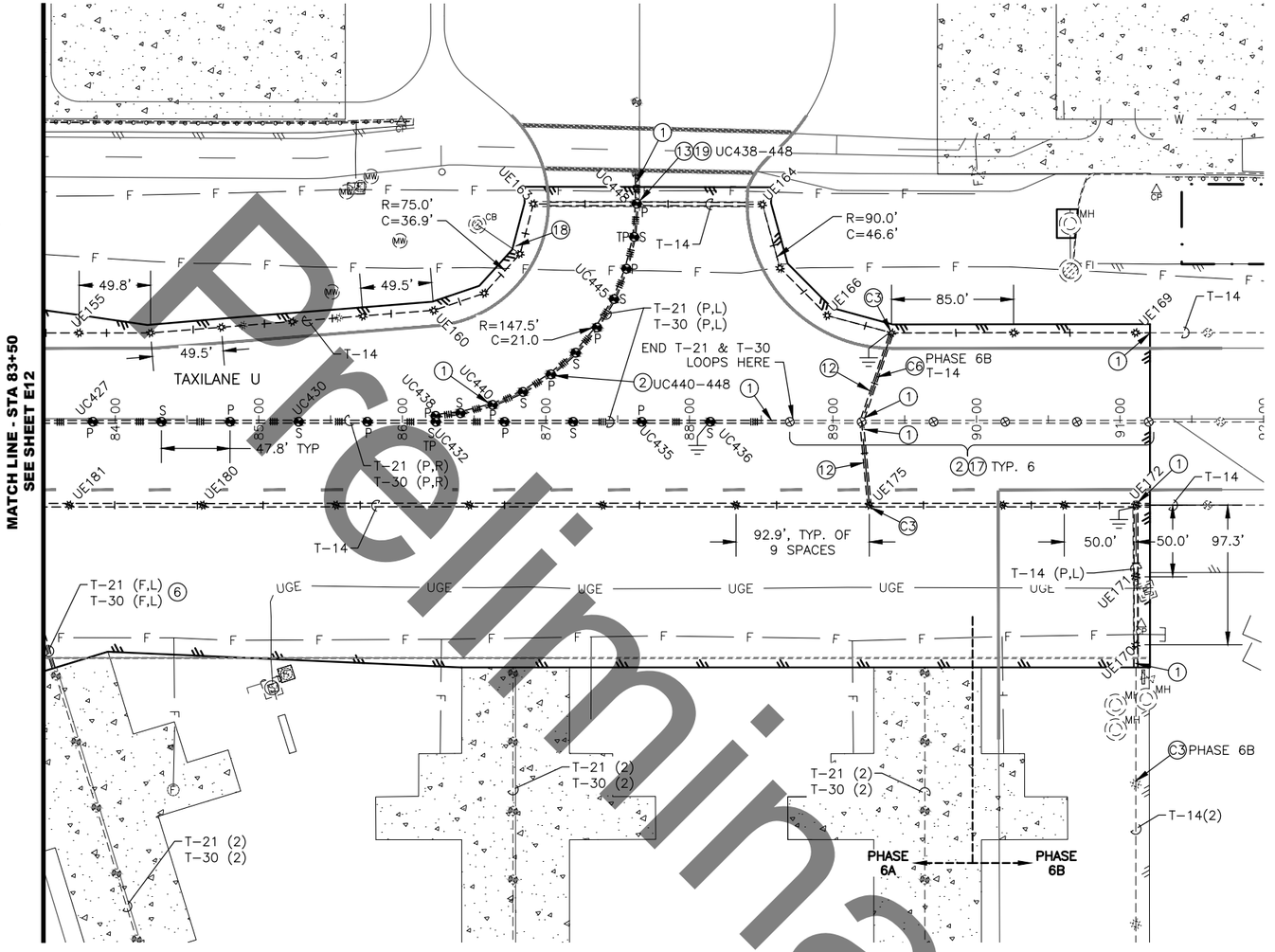
(19) CONNECT ADJACENT CENTERLINE LIGHTS IN ALTERNATING SEQUENCE TO PRIMARY (P) AND SECONDARY (S) CIRCUITS. WHERE NEW LIGHTS INTERFACE TO EXISTING LIGHTING, VERIFY WITH PROJECT ENGINEER THAT CORRECT SEQUENCE IS MAINTAINED BEFORE CIRCUITING FIXTURES.

CSPP NOTES:

- CSPP PHASE 6A–6B: EDGE LIGHTS ON TAXILANE U EAST OF CONSTRUCTION LIMITS (STA 91+20) SHALL BE DISCONNECTED AND OUT OF SERVICE FOR DURATION OF THIS PHASE AND DO NOT REQUIRE TEMPORARY JUMPERS.

(C3) PROVIDE TEMPORARY CONNECTIONS IN LIGHT BASE FOR DURATION OF CONSTRUCTION PHASE INDICATED, AS REQUIRED TO MAINTAIN ACTIVE CIRCUIT(S) AND ISOLATE CIRCUIT(S) FROM CONSTRUCTION AREA.

(C6) INSTALL TEMPORARY LIGHTING CIRCUIT JUMPERS IN EXISTING 2" SPARE OR DRAIN CONDUITS AS INDICATED. REMOVE TEMPORARY JUMPERS AFTER USE UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER.



1
E16

ELECTRICAL PLAN – TAXILANE U STA. 83+50 TO EOP

50' 25' 0 50' 100'

Preliminary

STATE OF ALASKA
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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL PLAN – TAXILANE U STA. 83+50 TO EOP

DATE: OCTOBER 2023
SHEET: E16 OF E37

Designed By: JH
Drawn By: SS
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Date Revised:
Layout Name: E16
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Plans.dwg
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LEGEND:

- NEW PAVEMENT LIMITS
- TAXILANE CENTERLINE LIGHT BI–DIRECTIONAL
  P=PRIMARY (HI–VIS) CIRCUIT
  S=SECONDARY (LO–VIS) CIRCUIT
- TAXILANE EDGE LIGHT
- TAXILANE CENTERLINE LIGHT OMNI–DIRECTIONAL
- HANDHOLE

GENERAL NOTES:

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

SHEET NOTES:

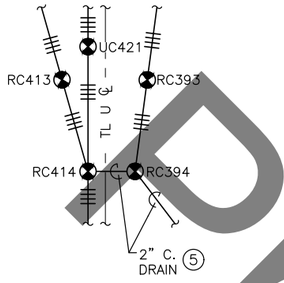
(1) CONNECT NEW CONDUIT TO EXISTING CONDUIT OR LIGHT BASE. EXTEND NEW CONDUCTORS WITH CONNECTIONS TO NEAREST EXISTING LIGHT BASE WIRING AND TRANSFORMER(S). PROVIDE MANUFACTURED SWEEP FITTING FOR BENDS OVER 10 DEGREES. CONNECTIONS SHALL BE SUBSIDIARY TO L108 AND L110 ITEMS.

(2) CORE DRILL NEW HMA OVERLAY, REMOVE PLYWOOD COVER AND MUD PLATE, AND REINSTALL TOP SECTION OF EXISTING LIGHT BASE WITH SPACERS AS REQUIRED. THIS WORK SHALL BE SUBSIDIARY TO ITEM L125.210.0000 (ADJUST TW LIGHT).

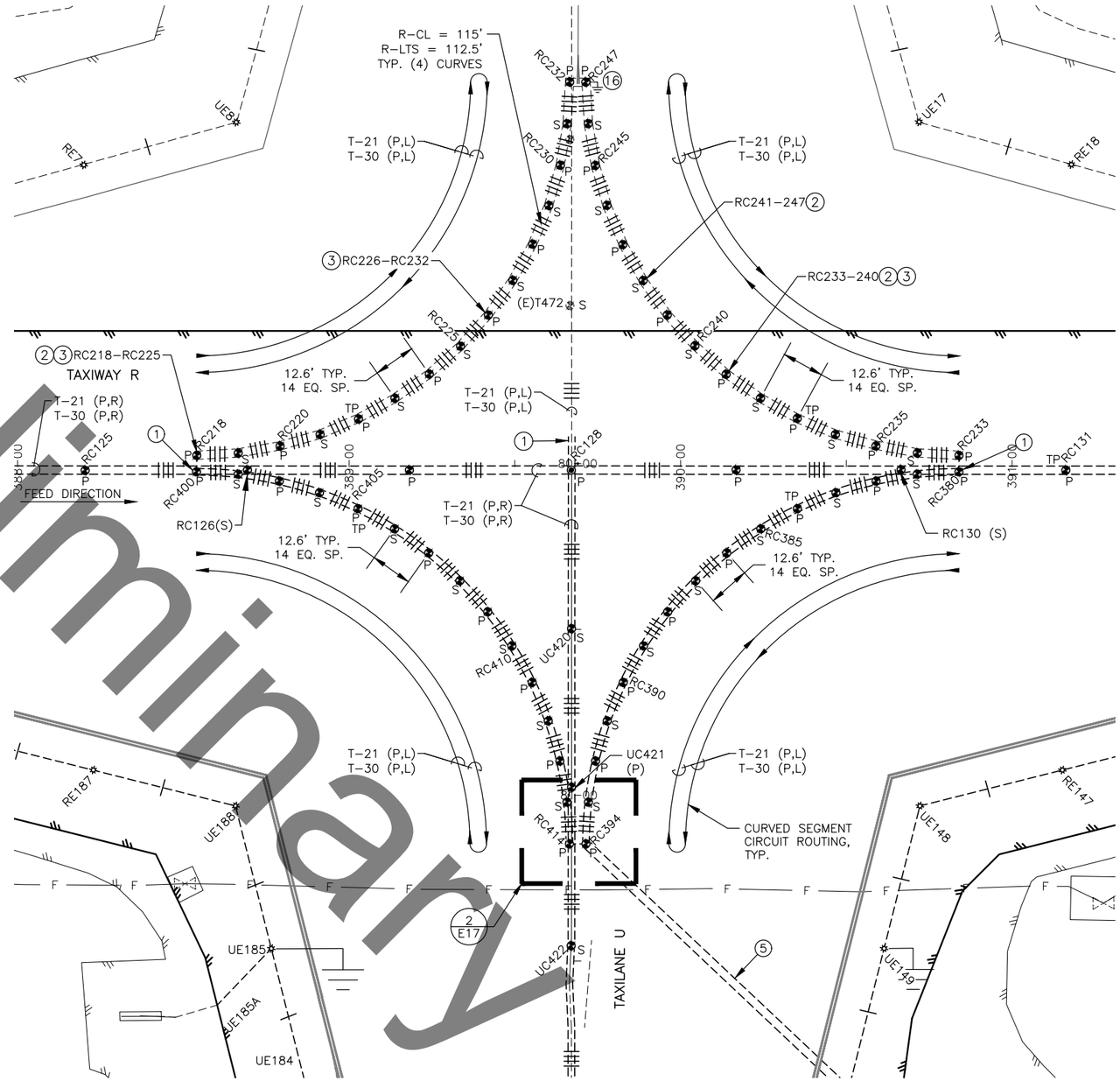
(3) PROVIDE NEW FLUSH TW LIGHT FIXTURE, TRANSFORMER, CONDUCTORS AND CONNECTIONS AS REQUIRED FOR INSTALLATION IN EXISTING LIGHT BASE. THIS WORK SUBSIDIARY TO ITEM L125.600.040 (REFURBISH FLUSH TW LIGHT).

(5) PROVIDE 2" CONDUIT DRAIN LINE, ENCASED UNDER PAVED AREAS SUBJECT TO AIRCRAFT TRAFFIC. SEE DETAIL 3, SHEET E33.

(16) EXISTING GROUND ROD CONNECTION AT THIS LOCATION.



2/E17 CONDUIT DRAIN DETAIL
SCALE: NTS



1/E17 ENLARGED ELECTRICAL PLAN – TAXILANE U INTERSECTION

20' 10' 0 20' 40'

Preliminary

STATE OF ALASKA 49TH
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EE-8223
REGISTERED PROFESSIONAL ENGINEER

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ENLARGED ELECTRICAL PLAN – TAXILANE U INTERSECTION

DATE: OCTOBER 2023
SHEET: E17 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised: 10/23/2023 10:51 AM
Layout Name: E17
File Path and Name: J:\Jobs\Data\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Plans.dwg

LEGEND:

- NEW PAVEMENT LIMITS
- TAXILANE CENTERLINE LIGHT BI–DIRECTIONAL
  P=PRIMARY (HI–VIS) CIRCUIT
  S=SECONDARY (LO–VIS) CIRCUIT
- TAXILANE EDGE LIGHT
- TAXILANE CENTERLINE LIGHT OMNI–DIRECTIONAL
- HANDHOLE

GENERAL NOTES:

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

SHEET NOTES:

(1) 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.

(2) CORE DRILL NEW HMA OVERLAY, REMOVE PLYWOOD COVER AND MUD PLATE, AND REINSTALL TOP SECTION OF EXISTING LIGHT BASE WITH SPACERS AS REQUIRED. THIS WORK SHALL BE SUBSIDIARY TO ITEM L125.210.0000 (REFURBISH FLUSH TW LIGHT).

(3) PROVIDE NEW FLUSH TW LIGHT FIXTURE, TRANSFORMER, CONDUCTORS AND CONNECTIONS AS REQUIRED FOR INSTALLATION IN EXISTING LIGHT BASE. THIS WORK SUBSIDIARY TO ITEM L125.600.040 (REFURBISH FLUSH TW LIGHT).

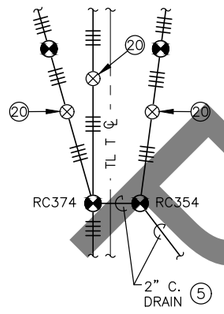
(5) PROVIDE 2" CONDUIT DRAIN LINE, ENCASED UNDER PAVED AREAS SUBJECT TO AIRCRAFT TRAFFIC.

(14) PROVIDE NEW SURFACE SENSOR WITH 1" RMC AND CABLE RUN TO EXISTING HANDHOLE AT EDGE OF PAVING LIMITS.

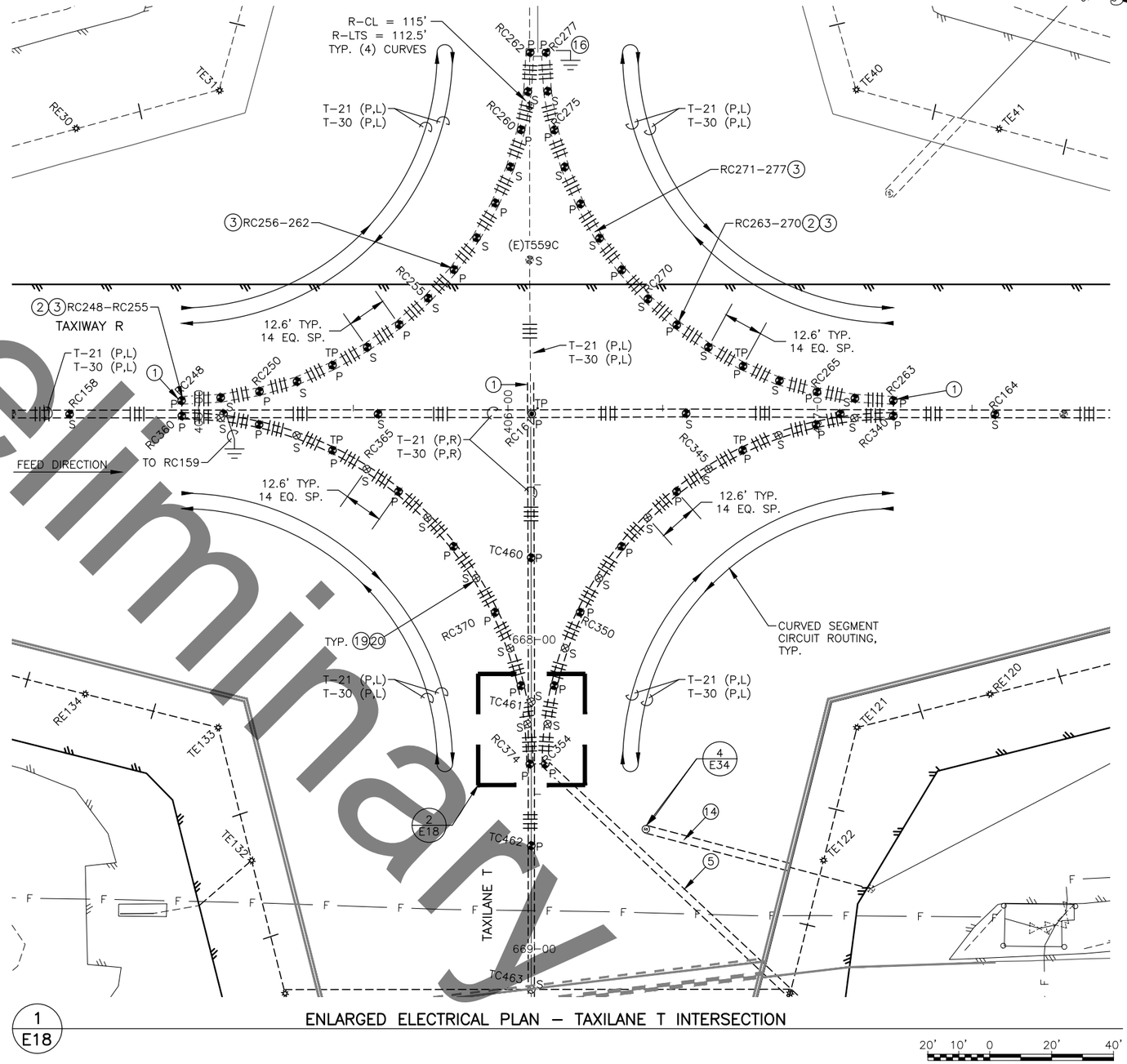
(16) EXISTING GROUND ROD CONNECTION AT THIS LOCATION.

(19) CONNECT ADJACENT CENTERLINE LIGHTS IN ALTERNATING SEQUENCE TO PRIMARY (P) AND SECONDARY (S) CIRCUITS. WHERE NEW LIGHTS INTERFACE TO EXISTING LIGHTING, VERIFY WITH PROJECT ENGINEER THAT CORRECT SEQUENCE IS MAINTAINED BEFORE CIRCUITING FIXTURES.

(20) PROVIDE LIGHT BASES AND CONDUCTORS ONLY WITH ADEQUATE SLACK FOR CONNECTING FUTURE SECONDARY (LO–VIS) CENTERLINE LIGHTS AT T/L TANGO EAST OF T/W ROMEO, IN ACCORDANCE WITH THE ANC LVO/SMGCS PLAN (REV XIII).



2 / E18 CONDUIT DRAIN DETAIL
SCALE: NTS



1 / E18 ENLARGED ELECTRICAL PLAN – TAXILANE T INTERSECTION

20' 10' 0 20' 40'

Preliminary

STATE OF ALASKA 49TH William A. Starn EE-8223 REGISTERED PROFESSIONAL ENGINEER

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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
ENLARGED ELECTRICAL PLAN – TAXILANE T INTERSECTION

DATE: OCTOBER 2023
SHEET: E18 OF E37

Designed By: JH
Drawn By: SS
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File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Plans.dwg
10/23/2023 10:51 AM

LEGEND:

NEW PAVEMENT LIMITS

TAXILANE CENTERLINE LIGHT BI–DIRECTIONAL
P=PRIMARY (HI–VIS) CIRCUIT
S=SECONDARY (LO–VIS) CIRCUIT

TAXILANE EDGE LIGHT

TAXILANE CENTERLINE LIGHT OMNI–DIRECTIONAL

HANDHOLE

GENERAL NOTES:

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

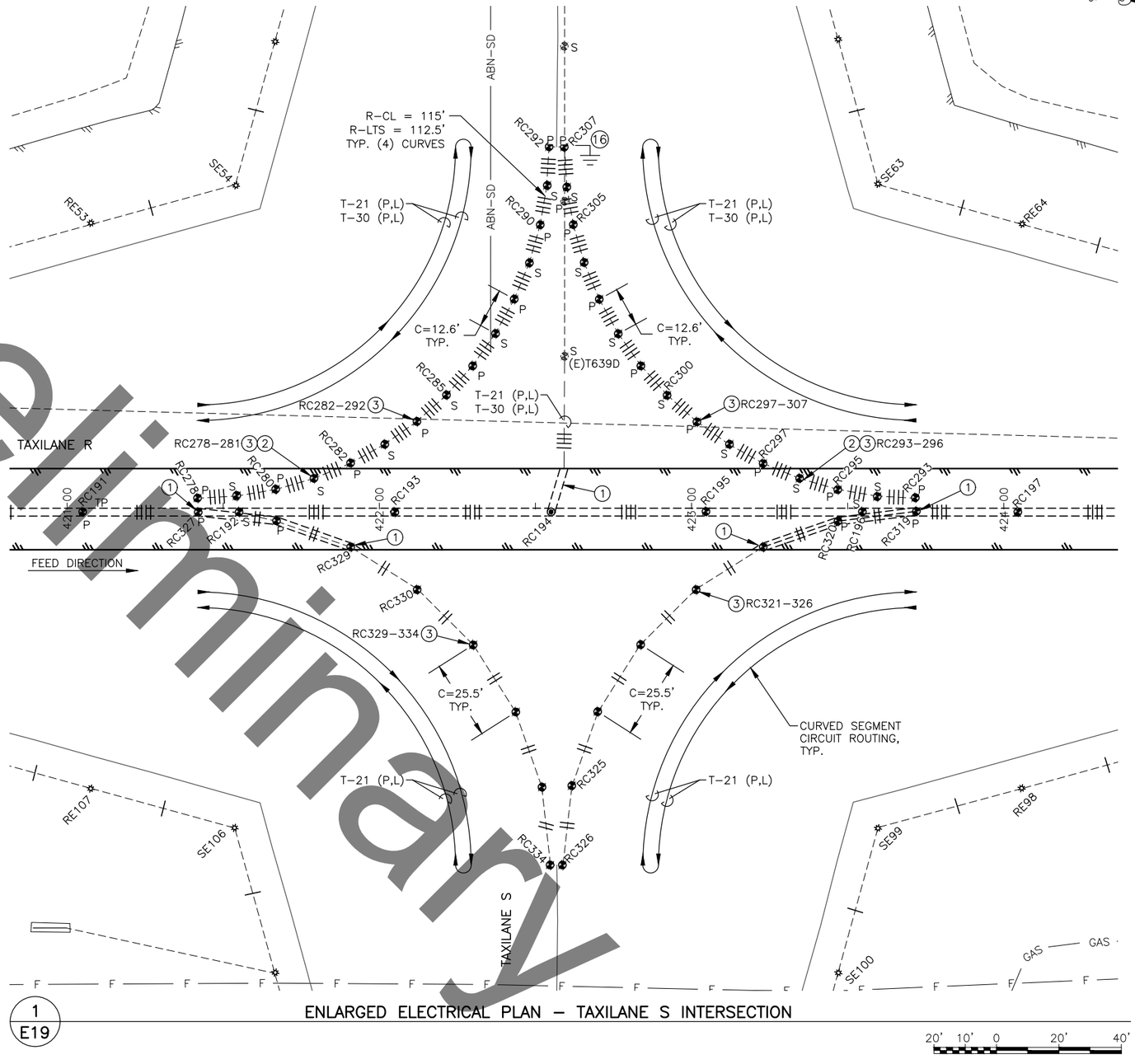
SHEET NOTES:

(1) 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.

(2) CORE DRILL NEW HMA OVERLAY, REMOVE PLYWOOD COVER AND MUD PLATE, AND REINSTALL TOP SECTION OF EXISTING LIGHT BASE WITH SPACERS AS REQUIRED. THIS WORK SHALL BE SUBSIDIARY TO ITEM L125.210.0000 (REFURBISH FLUSH TW LIGHT).

(3) PROVIDE NEW FLUSH TW LIGHT FIXTURE, TRANSFORMER, CONDUCTORS AND CONNECTIONS AS REQUIRED FOR INSTALLATION IN EXISTING LIGHT BASE. THIS WORK SUBSIDIARY TO ITEM L125.600.040 (REFURBISH FLUSH TW LIGHT).

(16) EXISTING GROUND ROD CONNECTION AT THIS LOCATION.



1 E19

ENLARGED ELECTRICAL PLAN – TAXILANE S INTERSECTION

20' 10' 0 20' 40'

Preliminary

Date Revised: 10/23/2023 10:51 AM
Layout Name: E19
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Plans.dwg
Designed By: JH
Drawn By: SS
Checked By: WS

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER William A. Stam EE-8223

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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 TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
ENLARGED ELECTRICAL PLAN – TAXILANE S INTERSECTION

DATE: OCTOBER 2023

SHEET: E19 OF E37

DEMO TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DC120	TW R	385+76.00	2.04 RT	D1
DC121	TW R	386+25.00	1.88 RT	D1
DC122	TW R	386+73.80	1.95 RT	D1
DC123	TW R	387+22.68	1.95 RT	D1
DC124	TW R	387+71.61	1.96 RT	D1
DC125	TW R	388+20.39	2.05 RT	D1
DC126	TW R	388+69.34	1.91 RT	D1
DC127	TW R	389+18.21	1.96 RT	D1
DC128	TW R	389+67.05	2 RT	D1
DC129	TW R	390+16.76	1.88 RT	D1
DC130	TW R	390+66.51	1.83 RT	D1
DC131	TW R	391+16.24	2 RT	D1
DC132	TW R	391+65.91	2.03 RT	D1
DC133	TW R	392+15.67	1.74 RT	D1
DC134	TW R	392+65.32	1.85 RT	D1
DC135	TW R	393+15.07	1.9 RT	D1
DC136	TW R	393+64.75	1.86 RT	D1
DC137	TW R	394+14.41	1.93 RT	D1
DC138	TW R	394+64.14	1.87 RT	D1
DC139	TW R	395+13.87	1.93 RT	D1
DC140	TW R	395+63.51	1.88 RT	D1
DC141	TW R	396+13.32	1.89 RT	D1
DC142	TW R	396+62.93	1.75 RT	D1
DC143	TW R	397+12.71	1.89 RT	D1
DC144	TW R	397+62.52	1.96 RT	D1
DC145	TW R	398+12.16	1.79 RT	D1
DC146	TW R	398+61.79	1.88 RT	D1
DC147	TW R	399+11.57	2.18 RT	D1
DC148	TW R	399+61.38	1.8 RT	D1
DC149	TW R	400+11.16	2.08 RT	D1
DC150	TW R	400+60.67	2.14 RT	D1
DC151	TW R	401+10.38	1.71 RT	D1
DC152	TW R	401+60.09	2.07 RT	D1
DC153	TW R	402+10.18	1.83 RT	D1
DC154	TW R	402+59.81	1.83 RT	D1
DC155	TW R	403+09.14	1.77 RT	D1
DC156	TW R	403+58.94	1.87 RT	D1
DC157	TW R	404+08.78	2.12 RT	D1
DC158	TW R	404+58.28	1.96 RT	D1
DC159	TW R	405+08.04	1.82 RT	D1
DC160	TW R	405+57.98	1.91 RT	D1
DC161	TW R	406+07.67	1.85 RT	D1
DC162	TW R	406+57.57	1.73 RT	D1
DC163	TW R	407+07.39	1.86 RT	D1
DC164	TW R	407+57.37	2.04 RT	D1
DC165	TW R	408+07.20	1.84 RT	D1
DC166	TW R	408+57.11	1.96 RT	D1
DC167	TW R	409+07.00	1.9 RT	D1
DC168	TW R	409+56.78	1.76 RT	D1
DC169	TW R	410+06.69	1.98 RT	D1
DC170	TW R	410+56.87	1.95 RT	D1
DC171	TW R	411+06.65	1.72 RT	D1
DC172	TW R	411+56.45	1.92 RT	D1
DC173	TW R	412+06.63	1.86 RT	D1
DC174	TW R	412+56.56	1.71 RT	D1

DEMO TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DC175	TW R	413+06.27	2.02 RT	D1
DC176	TW R	413+56.22	1.95 RT	D1
DC177	TW R	414+06.22	1.89 RT	D1
DC178	TW R	414+55.97	1.95 RT	D1
DC179	TW R	415+05.91	1.95 RT	D1
DC180	TW R	415+56.05	1.87 RT	D1
DC181	TW R	416+05.82	1.95 RT	D1
DC182	TW R	416+55.77	1.99 RT	D1
DC183	TW R	417+05.63	1.91 RT	D1
DC184	TW R	417+55.46	1.98 RT	D1
DC185	TW R	418+05.48	1.89 RT	D1
DC186	TW R	418+55.41	1.9 RT	D1
DC187	TW R	419+05.26	1.87 RT	D1
DC188	TW R	419+55.17	2.17 RT	D1
DC189	TW R	420+05.08	2 RT	D1
DC190	TW R	420+54.90	1.91 RT	D1
DC191	TW R	421+05.00	1.83 RT	D1
DC192	TW R	421+55.09	1.94 RT	D1
DC193	TW R	422+04.97	1.98 RT	D1
DC194	TW R	422+55.00	1.88 RT	D1
DC195	TW R	423+04.62	1.73 RT	D1
DC196	TW R	423+54.70	1.83 RT	D1
DC197	TW R	424+04.49	1.88 RT	D1
DC198	TW R	424+54.28	1.88 RT	D1
DC199	TW R	425+03.96	1.96 RT	D1
DC200	TW R	425+53.84	1.86 RT	D1
DC201	TW R	426+03.64	2.05 RT	D1
DC202	TW R	426+53.46	1.84 RT	D1
DC203	TW R	427+03.56	1.97 RT	D1
DC204	TW R	427+53.36	1.89 RT	D1
DC205	TW R	428+03.06	1.99 RT	D1
DC206	TW R	428+52.87	1.83 RT	D1
DC207	TW R	429+02.80	1.84 RT	D1
DC208	TW R	429+52.45	1.78 RT	D1
DC209	TW R	430+02.20	1.88 RT	D1
DC210	TW R	430+52.29	1.93 RT	D1
DC211	TW R	431+02.09	2.01 RT	D1
DC212	TW R	431+51.94	1.85 RT	D1
DC213	TW R	432+01.71	1.99 RT	D1
DC214	TW R	432+51.39	1.87 RT	D1
DC215	TW R	433+01.19	1.84 RT	D1
DC216	TW R	433+51.07	1.84 RT	D1
DC217	TW R	433+97.34	2.03 RT	D1
DC218	TW U	80+49.18	1.77 RT	D1
DC219	TW U	80+96.52	1.79 RT	D1
DC220	TW U	81+36.99	1.97 RT	D1
DC221	TW U	82+20.06	1.9 RT	D1
DC222	TW U	82+70.18	1.91 RT	D1
DC223	TW U	83+19.98	1.91 RT	D1
DC224	TW U	83+70.01	1.94 RT	D1
DC225	TW U	84+20.00	1.92 RT	D1
DC226	TW U	84+70.04	1.91 RT	D1
DC227	TW U	85+19.86	1.89 RT	D1
DC228	TW U	85+70.07	1.9 RT	D1

DEMO TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DC229	TW U	86+20.04	1.87 RT	D1
DC230	TW U	86+69.95	1.94 RT	D1
DC231	TW U	87+19.92	1.95 RT	D1
DC232	TW U	87+70.08	1.91 RT	D1
DC233	TW U	88+19.99	1.91 RT	D1
DC234	TW R	387+98.98	1.82 RT	D1
DC235	TW R	388+12.18	2.46 RT	D1
DC236	TW R	388+25.26	3.99 RT	D1
DC237	TW R	388+38.24	6.53 RT	D1
DC238	TW R	388+50.97	10.15 RT	D1
DC239	TW R	388+63.27	14.67 RT	D1
DC240	TW R	388+75.31	20.26 RT	D1
DC241	TW R	388+86.78	26.72 RT	D1
DC242	TW R	388+97.74	34.01 RT	D1
DC243	TW R	389+08.20	42.13 RT	D1
DC244	TW R	389+17.83	51.14 RT	D1
DC245	TW R	389+26.89	60.9 RT	D1
DC246	TW R	389+34.88	71.15 RT	D1
DC247	TW R	389+42.41	82.28 RT	D1
DC248	TW R	389+48.82	93.71 RT	D1
DC249	TW R	389+54.41	105.59 RT	D1
DC250	TW R	389+58.92	117.91 RT	D1
DC251	TW R	389+62.48	130.58 RT	D1
DC252	TW R	389+64.93	143.76 RT	D1
DC253	TW R	389+66.58	156.77 RT	D1
DC254	TW R	389+67.15	170.02 RT	D1
DC255	TW R	389+71.05	170.17 RT	D1
DC256	TW R	389+73.13	143.85 RT	D1
DC257	TW R	389+79.30	118.02 RT	D1
DC258	TW R	389+89.47	93.74 RT	D1
DC259	TW R	390+03.09	71.1 RT	D1
DC260	TW R	390+20.33	51.21 RT	D1
DC261	TW R	390+40.40	34.12 RT	D1
DC262	TW R	390+62.68	20.29 RT	D1
DC263	TW R	390+87.15	10.23 RT	D1
DC264	TW R	391+12.64	3.98 RT	D1
DC265	TW R	391+39.16	2 RT	D1
DC266	TW R	388+54.06	2.46 LT	D2
DC267	TW R	388+66.56	3.15 LT	D2
DC268	TW R	388+79.18	5.27 LT	D2
DC269	TW R	388+91.25	8.79 LT	D2
DC270	TW R	389+02.86	13.45 LT	D2
DC271	TW R	389+13.84	19.7 LT	D2
DC272	TW R	389+24.20	26.98 LT	D2
DC273	TW R	389+33.63	35.39 LT	D2
DC274	TW R	389+42.02	44.78 LT	D3
DC275	TW R	389+49.41	55.26 LT	D3
DC276	TW R	389+55.39	66.16 LT	D3
DC277	TW R	389+60.29	77.81 LT	D3
DC278	TW R	389+63.76	89.97 LT	D3
DC279	TW R	389+65.75	102.5 LT	D3
DC280	TW R	389+66.56	115.08 LT	D3
DC281	TW R	389+71.41	115.03 LT	D3
DC282	TW R	389+72.15	102.5 LT	D3

SHEET NOTES:

D1. REMOVE FIXTURE, TRANSFORMER(S), AND LIGHT BASE WITH CONDUCTORS AND CONDUIT PER PLANS (L125.070.0000).

D2. REMOVE FIXTURE, TRANSFORMER(S), AND CONDUCTORS PER PLANS (L125.070.0000). REMOVE AND ADJUST FLUSH LIGHT BASE UPPER SECTION IN HMA PER PLANS (L125.210.0000). REWORK AS INDICATED IN PLANS AND TAXIWAY LIGHT SCHEDULES.

D3. REMOVE FIXTURE, TRANSFORMER(S), AND CONDUCTORS PER PLANS (L125.070.0000). RETAIN LIGHT BASE TO REWORK AS INDICATED IN PLANS AND TAXIWAY LIGHT SCHEDULES.

Draft Not for Bid

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER William A. Stam EE-8223

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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 TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY CENTERLINE LIGHT DEMOLITION SCHEDULES

DATE: OCTOBER 2023

SHEET: E20 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised:
Layout Name: E20
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Demolition Schedules.dwg
10/19/2023 8:25 PM

DEMO TAXIWAY CENTERLINE LIGHT SCHEDULE				
FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DC283	TW R	389+74.29	89.91 LT	D3
DC284	TW R	389+77.79	77.87 LT	D3
DC285	TW R	389+82.59	66.03 LT	D3
DC286	TW R	389+88.71	55.21 LT	D3
DC287	TW R	389+95.99	44.81 LT	D3
DC288	TW R	390+04.34	35.53 LT	D2
DC289	TW R	390+13.75	26.92 LT	D2
DC290	TW R	390+24.11	19.72 LT	D2
DC291	TW R	390+35.21	13.63 LT	D2
DC292	TW R	390+46.72	8.76 LT	D2
DC293	TW R	390+58.93	5.28 LT	D2
DC294	TW R	390+71.44	3.18 LT	D2
DC295	TW R	390+84.00	2.44 LT	D2
DC296	TW R	404+39.63	1.92 RT	D1
DC297	TW R	404+63.58	3.32 RT	D1
DC298	TW R	404+86.78	8.81 RT	D1
DC299	TW R	405+09.54	16.95 RT	D1
DC300	TW R	405+30.38	28.59 RT	D1
DC301	TW R	405+49.65	42.63 RT	D1
DC302	TW R	405+66.49	60.13 RT	D1
DC303	TW R	405+80.92	79.3 RT	D1
DC304	TW R	405+92.60	100.04 RT	D1
DC305	TW R	406+00.99	122.82 RT	D1
DC306	TW R	406+06.04	146.06 RT	D1
DC307	TW R	406+07.83	170.33 RT	D1
DC308	TW R	406+11.83	170 RT	D1
DC309	TW R	406+13.42	146.14 RT	D1
DC310	TW R	406+18.30	122.92 RT	D1
DC311	TW R	406+26.69	100.32 RT	D1
DC312	TW R	406+38.26	79.48 RT	D1
DC313	TW R	406+52.46	60.02 RT	D1
DC314	TW R	406+69.53	43.13 RT	D1
DC315	TW R	406+88.61	28.74 RT	D1
DC316	TW R	407+09.61	17.2 RT	D1
DC317	TW R	407+32.22	8.69 RT	D1
DC318	TW R	407+55.59	3.89 RT	D1
DC319	TW R	407+79.61	1.96 RT	D1
DC320	TW R	404+94.47	2.41 LT	D2
DC321	TW R	405+07.11	3.4 LT	D2
DC322	TW R	405+19.66	5.4 LT	D2
DC323	TW R	405+31.80	8.6 LT	D2
DC324	TW R	405+43.27	13.88 LT	D2
DC325	TW R	405+54.49	19.69 LT	D2
DC326	TW R	405+64.82	27.04 LT	D2
DC327	TW R	405+74.19	35.56 LT	D2
DC328	TW R	405+82.54	44.77 LT	D3
DC329	TW R	405+89.86	55.08 LT	D3
DC330	TW R	405+95.89	66.3 LT	D3
DC331	TW R	406+00.77	77.99 LT	D3
DC332	TW R	406+04.21	90 LT	D3
DC333	TW R	406+06.42	102.31 LT	D3
DC334	TW R	406+07.17	115.01 LT	D3
DC335	TW R	406+12.29	114.99 LT	D3
DC336	TW R	406+12.84	102.45 LT	D3

DEMO TAXIWAY CENTERLINE LIGHT SCHEDULE				
FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DC337	TW R	406+14.99	89.9 LT	D3
DC338	TW R	406+18.33	77.95 LT	D3
DC339	TW R	406+23.47	66.03 LT	D3
DC340	TW R	406+29.59	54.93 LT	D3
DC341	TW R	406+36.76	44.69 LT	D3
DC342	TW R	406+45.23	35.28 LT	D2
DC343	TW R	406+54.53	26.89 LT	D2
DC344	TW R	406+64.77	19.68 LT	D2
DC345	TW R	406+75.98	13.58 LT	D2
DC346	TW R	406+87.73	8.89 LT	D2
DC347	TW R	406+99.85	5.3 LT	D2
DC348	TW R	407+12.13	3.15 LT	D2
DC349	TW R	407+24.54	2.47 LT	D2
DC350	TW R	421+41.99	1.98 RT	D1
DC351	TW R	421+67.08	4.72 RT	D1
DC352	TW R	421+90.83	13.12 RT	D3
DC353	TW R	422+12.11	26.78 RT	D3
DC354	TW R	422+30.04	44.48 RT	D3
DC355	TW R	422+43.71	65.96 RT	D3
DC356	TW R	422+52.10	90.02 RT	D3
DC357	TW R	422+54.69	114.98 RT	D3
DC358	TW R	422+58.63	114.98 RT	D3
DC359	TW R	422+61.64	89.55 RT	D3
DC360	TW R	422+69.93	65.85 RT	D3
DC361	TW R	422+83.69	44.39 RT	D3
DC362	TW R	423+01.46	26.8 RT	D3
DC363	TW R	423+22.96	13.15 RT	D3
DC364	TW R	423+46.89	4.84 RT	D1
DC365	TW R	423+71.98	1.71 RT	D1
DC366	TW R	421+41.77	2.55 LT	D2
DC367	TW R	421+54.32	3.39 LT	D2
DC368	TW R	421+66.81	5.4 LT	D2
DC369	TW R	421+79.08	8.89 LT	D2
DC370	TW R	421+90.78	13.78 LT	D3
DC371	TW R	422+01.75	19.77 LT	D3
DC372	TW R	422+12.04	27.07 LT	D3
DC373	TW R	422+21.51	35.57 LT	D3
DC374	TW R	422+29.90	44.89 LT	D3
DC375	TW R	422+37.21	55.23 LT	D3
DC376	TW R	422+43.20	66.27 LT	D3
DC377	TW R	422+48.06	77.89 LT	D3
DC378	TW R	422+51.53	90.07 LT	D3
DC379	TW R	422+53.78	102.68 LT	D3
DC380	TW R	422+54.38	115.08 LT	D3
DC381	TW R	422+59.23	114.95 LT	D3
DC382	TW R	422+60.05	102.15 LT	D3
DC383	TW R	422+62.12	90.15 LT	D3
DC384	TW R	422+65.59	78.02 LT	D3
DC385	TW R	422+70.44	66.23 LT	D3
DC386	TW R	422+76.52	55.16 LT	D3
DC387	TW R	422+83.77	44.9 LT	D3
DC388	TW R	422+92.15	35.46 LT	D3
DC389	TW R	423+01.71	26.96 LT	D3
DC390	TW R	423+12.14	19.78 LT	D3

DEMO TAXIWAY CENTERLINE LIGHT SCHEDULE				
FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DC391	TW R	423+22.91	13.64 LT	D3
DC392	TW R	423+34.59	8.88 LT	D2
DC393	TW R	423+46.81	5.25 LT	D2
DC394	TW R	423+59.47	3.04 LT	D2
DC395	TW R	423+71.67	2.67 LT	D2
DC396	TW U	86+21.55	2.13 LT	D1
DC397	TW U	86+40.48	4.13 LT	D1
DC398	TW U	86+62.92	9.85 LT	D4
DC399	TW U	86+84.04	18.89 LT	D4
DC400	TW U	87+03.53	31.12 LT	D4
DC401	TW U	87+20.79	46.19 LT	D4
DC402	TW U	87+35.65	63.78 LT	D4
DC403	TW U	87+47.49	83.54 LT	D4
DC404	TW U	87+56.11	104.66 LT	D4
DC405	TW U	87+61.54	126.85 LT	D4
DC406	TW U	87+63.36	149.99 LT	D4
DC407	TW U	83+44.76	132.83 RT	D4
DC408	TW R	406+07.36	81.15 RT	D1
DC409	TW R	406+07.83	250.93 RT	D1
DC410	TW R	406+07.59	336.03 RT	D1

SHEET NOTES:

D1. REMOVE FIXTURE, TRANSFORMER(S), AND LIGHT BASE WITH CONDUCTORS AND CONDUIT PER PLANS (L125.070.0000).

D2. REMOVE FIXTURE, TRANSFORMER(S), AND CONDUCTORS PER PLANS (L125.070.0000). REMOVE AND ADJUST FLUSH LIGHT BASE UPPER SECTION IN HMA PER PLANS (L125.210.0000). REWORK AS INDICATED IN PLANS AND TAXIWAY LIGHT SCHEDULES.

D3. REMOVE FIXTURE, TRANSFORMER(S), AND CONDUCTORS PER PLANS (L125.070.0000). RETAIN LIGHT BASE TO REWORK AS INDICATED IN PLANS AND TAXIWAY LIGHT SCHEDULES.

D4. REMOVE FIXTURE, TRANSFORMER(S), AND CONDUCTORS PER PLANS (L125.070.0000). RETAIN LIGHT BASE AND LED FIXTURE TO REWORK AS INDICATED IN PLANS AND TAXIWAY LIGHT SCHEDULES.

Preliminary

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised: 10/19/2023 8:25 PM
Layout Name: E21
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Demolition Schedules.dwg

STATE OF ALASKA
49TH
William A. Starn
EE-8223
REGISTERED PROFESSIONAL ENGINEER

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

TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY CENTERLINE LIGHT DEMOLITION SCHEDULES

DATE: OCTOBER 2023

SHEET: E21 OF E37

Designed By:	JH
Drawn By:	SS
Checked By:	WS

Date Revised:	10/19/2023 8:25 PM
Layout Name:	E22
File Path and Name:	J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Demolition Schedules.dwg

DEMO TAXIWAY EDGE LIGHT SCHEDULE

FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DE1	TW R	386+14.20	68.28 RT	D1
DE2	TW R	386+78.61	77.78 RT	D1
DE3	TW R	387+43.80	86.8 RT	D1
DE4	TW R	388+09.37	95.84 RT	D1
DE5	TW R	388+39.30	106.96 RT	D1
DE6	TW R	388+61.98	129.53 RT	D1
DE7	TW R	388+72.69	159.41 RT	D1
DE8	TW U	82+46.81	83.8 RT	D1
DE9	TW U	83+33.85	71.8 RT	D1
DE10	TW U	83+71.25	66.73 RT	D1
DE11	TW U	84+20.72	59.97 RT	D1
DE12	TW U	84+70.83	59.96 RT	D1
DE13	TW U	85+07.25	59.91 RT	D1
DE14	TW U	85+94.09	59.9 RT	D1
DE15	TW U	86+80.89	59.92 RT	D1
DE16	TW U	87+67.55	59.95 RT	D1
DE17	TW U	88+54.33	59.94 RT	D1
DE18	TW U	89+40.93	59.96 RT	D1
DE19	TW U	90+25.94	59.96 RT	D1
DE20	TW U	91+10.99	157.23 RT	D1
DE21	TW U	91+10.91	60.09 LT	D1
DE22	TW U	90+25.87	60.05 LT	D1
DE23	TW U	89+40.83	59.88 LT	D1
DE24	TW U	88+96.10	72.1 LT	D1
DE25	TW U	88+63.04	105.27 LT	D1
DE26	TW U	88+50.91	149.46 LT	D1
DE27	TW U	86+91.17	149.84 LT	D1
DE28	TW U	86+82.00	115.07 LT	D1
DE29	TW U	86+57.02	87.63 LT	D1
DE30	TW U	86+22.05	75.78 LT	D1
DE31	TW U	85+55.58	70.46 LT	D1
DE32	TW U	84+88.96	65.2 LT	D1
DE33	TW U	84+22.27	59.5 LT	D1
DE34	TW U	83+72.52	66.72 LT	D1
DE35	TW U	83+34.65	71.95 LT	D1
DE36	TW U	82+47.22	83.9 LT	D1
DE37	TW R	390+64.78	159.97 RT	D1
DE38	TW R	390+76.18	129.42 RT	D1
DE39	TW R	390+98.90	106.88 RT	D1
DE40	TW R	391+28.76	95.5 RT	D1
DE41	TW R	391+76.99	88.98 RT	D1
DE42	TW R	392+57.94	77.8 RT	D1
DE43	TW R	393+39.50	66.85 RT	D1
DE44	TW R	393+88.96	59.85 RT	D1
DE45	TW R	394+39.12	60.07 RT	D1
DE46	TW R	395+48.83	59.99 RT	D1
DE47	TW R	397+08.26	59.95 RT	D1
DE48	TW R	398+68.35	60.05 RT	D1
DE49	TW R	400+28.11	59.78 RT	D1
DE50	TW R	401+39.73	60.16 RT	D1
DE51	TW R	401+89.41	59.78 RT	D1
DE52	TW R	402+39.11	66.86 RT	D1
DE53	TW R	403+20.23	77.68 RT	D1
DE54	TW R	404+01.96	89.23 RT	D1

DEMO TAXIWAY EDGE LIGHT SCHEDULE

FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DE55	TW R	404+51.66	95.92 RT	D1
DE56	TW R	404+80.82	107.12 RT	D1
DE57	TW R	405+02.87	129.17 RT	D1
DE58	TW R	405+13.96	158.23 RT	D1
DE59	TW R	405+19.21	197.95 RT	D1
DE60	TW R	405+26.19	249.75 RT	D1
DE61	TW R	405+34.08	306.38 RT	D1
DE62	TW R	405+41.86	363.48 RT	D1
DE63	TW R	406+83.05	322.55 RT	D1
DE64	TW R	406+89.61	272.9 RT	D1
DE65	TW R	406+96.76	223.29 RT	D1
DE66	TW R	407+05.72	158.39 RT	D1
DE67	TW R	407+16.65	129.01 RT	D1
DE68	TW R	407+38.74	106.78 RT	D1
DE69	TW R	407+67.96	95.58 RT	D1
DE70	TW R	408+17.48	89.22 RT	D1
DE71	TW R	408+99.25	77.78 RT	D1
DE72	TW R	409+79.92	66.86 RT	D1
DE73	TW R	410+29.70	59.95 RT	D1
DE74	TW R	410+79.85	59.97 RT	D1
DE75	TW R	411+88.70	60.13 RT	D1
DE76	TW R	413+54.15	59.99 RT	D1
DE77	TW R	415+18.13	59.97 RT	D1
DE78	TW R	416+82.62	59.92 RT	D1
DE79	TW R	418+47.85	60.18 RT	D1
DE80	TW R	419+65.26	63.08 RT	D3
DE81	TW R	420+15.20	64.98 RT	D3
DE82	TW R	420+61.67	77.9 RT	D3
DE83	TW R	421+07.56	90.5 RT	D3
DE84	TW R	421+53.62	103.07 RT	D3
DE85	TW R	421+66.67	149.4 RT	D3
DE86	TW R	421+79.21	195.91 RT	D3
DE87	TW R	421+92.30	242.6 RT	D3
DE88	TW R	423+21.63	241.4 RT	D3
DE89	TW R	423+34.45	195.31 RT	D3
DE90	TW R	423+47.03	149.49 RT	D3
DE91	TW R	423+59.69	103.19 RT	D3
DE92	TW R	424+05.70	90.37 RT	D3
DE93	TW R	424+52.43	77.7 RT	D3
DE94	TW R	424+98.64	64.61 RT	D3
DE95	TW R	425+48.12	63.04 RT	D3
DE96	TW R	426+41.33	59.65 RT	D3
DE97	TW R	427+84.48	59.76 RT	D3
DE98	TW R	428+77.45	62.69 RT	D3
DE99	TW R	429+27.68	64.71 RT	D3
DE100	TW R	429+73.79	77.61 RT	D3
DE101	TW R	430+19.94	90.37 RT	D3
DE102	TW R	430+65.82	102.94 RT	D3
DE103	TW R	430+79.34	151.19 RT	D3
DE104	TW R	430+93.06	201.34 RT	D3
DE105	TW R	432+44.63	202.5 RT	D3
DE106	TW R	432+58.20	153.01 RT	D3
DE107	TW R	432+72.03	103.37 RT	D3
DE108	TW R	433+18.27	90.52 RT	D3

DEMO TAXIWAY EDGE LIGHT SCHEDULE

FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DE109	TW R	433+64.65	77.87 RT	D3
DE110	TW R	434+10.37	64.72 RT	D3
DE111	TW R	434+57.47	63.07 RT	D3
DE112	TW R	435+04.30	61.46 RT	D3
DE113	TW R	385+34.04	60.05 LT	D3
DE114	TW R	385+63.95	59.82 LT	D3
DE115	TW R	386+13.70	60.8 LT	D3
DE116	TW R	386+70.47	62.9 LT	D3
DE117	TW R	387+27.45	64.82 LT	D3
DE118	TW R	387+73.79	77.21 LT	D3
DE119	TW R	388+19.98	90.05 LT	D3
DE120	TW R	388+65.97	102.93 LT	D3
DE121	TW R	388+78.76	149.08 LT	D3
DE122	TW R	388+91.61	195.37 LT	D3
DE123	TW R	389+04.10	241.52 LT	D3
DE124	TW R	389+06.36	300.19 LT	D3
DE125	TW R	390+31.98	300.12 LT	D3
DE126	TW R	390+33.86	241.68 LT	D3
DE127	TW R	390+46.64	195.5 LT	D3
DE128	TW R	390+59.31	149.25 LT	D3
DE129	TW R	390+71.97	103.03 LT	D3
DE130	TW R	391+17.91	90.16 LT	D3
DE131	TW R	391+64.31	77.43 LT	D3
DE132	TW R	392+10.63	64.84 LT	D3
DE133	TW R	392+60.52	62.81 LT	D3
DE134	TW R	393+89.06	59.85 LT	D1
DE135	TW R	395+48.79	60.19 LT	D1
DE136	TW R	397+08.54	60.38 LT	D1
DE137	TW R	398+68.63	60.17 LT	D1
DE138	TW R	400+28.19	59.94 LT	D1
DE139	TW R	401+89.94	60.09 LT	D1
DE140	TW R	403+17.90	62.71 LT	D3
DE141	TW R	403+67.98	64.76 LT	D3
DE142	TW R	404+14.23	77.61 LT	D3
DE143	TW R	404+60.37	90.41 LT	D3
DE144	TW R	405+06.77	102.69 LT	D3
DE145	TW R	405+19.57	149.28 LT	D3
DE146	TW R	405+32.22	195.43 LT	D3
DE147	TW R	405+44.68	241.62 LT	D3
DE148	TW R	405+46.72	300.01 LT	D3
DE149	TW R	406+72.42	300.29 LT	D3
DE150	TW R	406+74.59	241.82 LT	D3
DE151	TW R	406+87.16	195.3 LT	D3
DE152	TW R	406+99.80	149.06 LT	D3
DE153	TW R	407+12.64	102.93 LT	D3
DE154	TW R	407+58.71	90.27 LT	D3
DE155	TW R	408+04.63	77.99 LT	D3
DE156	TW R	408+50.84	65.1 LT	D3
DE157	TW R	409+01.08	63.39 LT	D3
DE158	TW R	410+29.72	60.3 LT	D1
DE159	TW R	410+79.53	59.93 LT	D1
DE160	TW R	411+88.80	59.83 LT	D1
DE161	TW R	413+53.01	60.49 LT	D1
DE162	TW R	415+18.27	60.19 LT	D1

DEMO TAXIWAY EDGE LIGHT SCHEDULE

FIXT NO.	TW	STATION	OFFSET	SEE NOTE
DE163	TW R	416+82.76	59.96 LT	D1
DE164	TW R	418+49.16	60.08 LT	D1
DE165	TW R	419+65.20	62.95 LT	D3
DE166	TW R	420+15.32	64.7 LT	D3
DE167	TW R	420+61.26	77.62 LT	D3
DE168	TW R	421+07.66	90.64 LT	D3
DE169	TW R	421+54.08	102.68 LT	D3
DE170	TW R	421+66.67	148.75 LT	D3
DE171	TW R	421+79.39	194.93 LT	D3
DE172	TW R	421+91.80	241.5 LT	D3
DE173	TW R	421+93.91	299.42 LT	D3
DE174	TW R	423+19.73	299.71 LT	D3
DE175	TW R	423+21.71	241.75 LT	D3
DE176	TW R	423+34.42	195.66 LT	D3
DE177	TW R	423+46.95	149.48 LT	D3
DE178	TW R	423+59.73	103.16 LT	D3
DE179	TW R	424+05.88	90.33 LT	D3
DE180	TW R	424+51.81	77.17 LT	D3
DE181	TW R	424+98.58	65.05 LT	D3
DE182	TW R	425+48.23	63.31 LT	D3
DE183	TW R	426+41.27	59.68 LT	D3
DE184	TW R	427+84.28	59.63 LT	D1
DE185	TW R	428+77.19	59.77 LT	D1
DE186	TW R	429+27.25	60.04 LT	D1
DE187	TW R	429+77.22	59.73 LT	D1
DE188	TW R	430+24.03	59.77 LT	D1
DE189	TW R	431+20.56	60.18 LT	D1
DE190	TW R	432+17.43	59.98 LT	D1
DE191	TW R	433+13.92	59.98 LT	D1
DE192	TW R	433+60.23	59.74 LT	D1

SHEET NOTES:

D1. REMOVE FIXTURE, TRANSFORMER(S), AND LIGHT BASE WITH CONDUCTORS AND CONDUIT PER PLANS (L125.070.0000).

D3. REMOVE FIXTURE, TRANSFORMER(S), AND CONDUCTORS PER PLANS (L125.070.0000). RETAIN LIGHT BASE TO REWORK AS INDICATED IN PLANS AND TAXIWAY LIGHT SCHEDULES.

NOT FOR CONSTRUCTION

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER William A. Stam EE-8223

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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 TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY EDGE LIGHT DEMOLITION SCHEDULES

DATE: OCTOBER 2023

SHEET: E22 OF E37

TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE		CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
				LAMP	XFMR						
RC1	Y/G	BI	L-852C	(2) 30	65	T-21	R	328+18.11	2.0 LT	A	1
RC2	G/G	BI	L-852C	(2) 30	65	T-21	R	328+66.88	2.0 LT	A	1
RC3	G/G	BI	L-852C	(2) 30	65	T-30	R	329+15.70	2.0 RT	A	1
RC4	G/G	BI	L-852C	(2) 30	65	T-21	R	329+65.59	2.0 RT	A	1
RC5	G/G	BI	L-852C	(2) 30	65	T-30	R	330+15.51	2.0 RT	A	1
RC6	Y	OMNI	L-852F	150	200	T-21	R	330+64.82	2.0 RT	A	1
RC7	G/G	BI	L-852C	(2) 30	65	T-30	R	331+13.33	2.1 RT	A	1
RC8	G/G	BI	L-852C	(2) 30	65	T-21	R	331+61.23	2.0 RT	A	1
RC9	G/G	BI	L-852C	(2) 30	65	T-30	R	332+09.17	2.0 RT	A	1
RC10	G/G	BI	L-852C	(2) 30	65	T-21	R	332+57.10	2.0 RT	A	1
RC11	G/G	BI	L-852C	(2) 30	65	T-21	R	333+05.10	2.0 RT	A	1
RC12	G/G	BI	L-852C	(2) 30	65	T-30	R	333+52.95	2.0 RT	A	1
RC13	G/G	BI	L-852C	(2) 30	65	T-21	R	334+00.96	2.0 RT	A	1
RC14	G/G	BI	L-852C	(2) 30	65	T-30	R	334+48.93	2.1 RT	A	1
RC15	G/G	BI	L-852C	(2) 30	65	T-21	R	334+96.93	2.1 RT	A	1
RC16	G/G	BI	L-852C	(2) 30	65	T-30	R	335+44.60	2.0 RT	A	1
RC17	G/G	BI	L-852C	(2) 30	65	T-21	R	335+92.33	2.0 RT	A	1
RC18	G/G	BI	L-852C	(2) 30	65	T-30	R	336+39.95	2.0 RT	A	1
RC19	Y	OMNI	L-852F	150	200	T-21	R	336+87.76	2.0 RT	A	1
RC20	G/G	BI	L-852C	(2) 30	65	T-30	R	337+36.93	2.0 RT	A	1
RC21	G/G	BI	L-852C	(2) 30	65	T-21	R	337+86.12	2.0 RT	A	1
RC22	G/G	BI	L-852C	(2) 30	65	T-30	R	338+35.24	2.0 RT	A	1
RC23	G/G	BI	L-852C	(2) 30	65	T-21	R	338+84.53	2.0 RT	A	1
RC24	G/G	BI	L-852C	(2) 30	65	T-30	R	339+33.71	2.0 RT	A	1
RC25	G/G	BI	L-852C	(2) 30	65	T-21	R	339+82.96	2.0 RT	A	1
RC26	G/G	BI	L-852C	(2) 30	65	T-30	R	340+32.15	2.0 RT	A	1
RC27	G/G	BI	L-852C	(2) 30	65	T-21	R	340+81.29	2.0 RT	A	1
RC28	G/G	BI	L-852C	(2) 30	65	T-30	R	341+30.46	2.0 RT	A	1
RC29	G/G	BI	L-852C	(2) 30	65	T-21	R	341+79.71	2.0 RT	A	1
RC30	G/G	BI	L-852C	(2) 30	65	T-30	R	342+28.94	2.0 RT	A	1
RC31	G/G	BI	L-852C	(2) 30	65	T-21	R	342+78.13	2.0 RT	A	1
RC32	G/G	BI	L-852C	(2) 30	65	T-30	R	343+27.34	2.0 RT	A	1
RC33	G/G	BI	L-852C	(2) 30	65	T-21	R	343+76.60	2.0 RT	A	1
RC34	G/G	BI	L-852C	(2) 30	65	T-30	R	344+25.79	2.0 RT	A	1
RC35	G/G	BI	L-852C	(2) 30	65	T-21	R	344+74.92	2.0 RT	A	1
RC36	G/G	BI	L-852C	(2) 30	65	T-30	R	345+24.12	2.0 RT	A	1
RC37	G/G	BI	L-852C	(2) 30	65	T-21	R	345+73.36	2.0 RT	A	1
RC38	G/G	BI	L-852C	(2) 30	65	T-30	R	346+22.48	2.0 RT	A	1
RC39	G/G	BI	L-852C	(2) 30	65	T-21	R	346+71.69	2.0 RT	A	1
RC40	G/G	BI	L-852C	(2) 30	65	T-30	R	347+21.02	2.0 RT	A	1
RC41	G/G	BI	L-852C	(2) 30	65	T-21	R	347+69.95	2.0 RT	A	1
RC42	G/G	BI	L-852C	(2) 30	65	T-30	R	348+18.86	1.9 RT	A	1
RC43	G/G	BI	L-852C	(2) 30	65	T-21	R	348+67.64	1.9 RT	A	1
RC44											2
RC45	G/G	BI	L-852C	(2) 30	65	T-21	R	349+16.41	2.0 RT	A	1
RC46	G/G	BI	L-852C	(2) 30	65	T-30	R	349+65.09	2.0 RT	A	1
RC47	G/G	BI	L-852C	(2) 30	65	T-21	R	350+14.04	1.9 RT	A	1
RC48	G/G	BI	L-852C	(2) 30	65	T-30	R	350+62.65	2.1 RT	A	1
RC49	G/G	BI	L-852C	(2) 30	65	T-21	R	351+10.59	2.0 RT	A	1
RC50	G/G	BI	L-852C	(2) 30	65	T-30	R	351+58.51	2.0 RT	A	1
RC51	G/G	BI	L-852C	(2) 30	65	T-21	R	352+06.22	2.0 RT	A	1
RC52	G/G	BI	L-852C	(2) 30	65	T-30	R	352+54.11	2.0 RT	A	1
RC53	G/G	BI	L-852C	(2) 30	65	T-21	R	353+01.92	2.0 RT	A	1
RC54	G/G	BI	L-852C	(2) 30	65	T-30	R	353+49.73	2.1 RT	A	1

TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE		CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
				LAMP	XFMR						
RC55	G/G	BI	L-852C	(2) 30	65	T-21	R	353+97.57	2.0 RT	A	1
RC56	G/G	BI	L-852C	(2) 30	65	T-30	R	354+45.37	2.0 RT	A	1
RC57	G/G	BI	L-852C	(2) 30	65	T-21	R	354+93.28	2.0 RT	A	1
RC58	G/G	BI	L-852C	(2) 30	65	T-30	R	355+41.06	1.9 RT	A	1
RC59	G/G	BI	L-852C	(2) 30	65	T-21	R	355+88.92	2.0 RT	A	1
RC60	G/G	BI	L-852C	(2) 30	65	T-30	R	356+36.75	2.0 RT	A	1
RC61	G/G	BI	L-852C	(2) 30	65	T-21	R	356+84.61	2.0 RT	A	1
RC62	G/G	BI	L-852C	(2) 30	65	T-30	R	357+32.31	2.0 RT	A	1
RC63	G/G	BI	L-852C	(2) 30	65	T-21	R	357+80.26	2.0 RT	A	1
RC64	G/G	BI	L-852C	(2) 30	65	T-30	R	358+28.04	2.0 RT	A	1
RC65	G/G	BI	L-852C	(2) 30	65	T-21	R	358+75.91	2.0 RT	A	1
RC66	G/G	BI	L-852C	(2) 30	65	T-30	R	359+25.78	2.0 RT	A	1
RC67	G/G	BI	L-852C	(2) 30	65	T-21	R	359+73.54	2.0 RT	A	1
RC68	G/G	BI	L-852C	(2) 30	65	T-30	R	360+21.34	2.0 RT	A	1
RC69	G/G	BI	L-852C	(2) 30	65	T-21	R	360+69.20	1.9 RT	A	1
RC70	G/G	BI	L-852C	(2) 30	65	T-30	R	361+17.02	1.9 RT	A	1
RC71	G/G	BI	L-852C	(2) 30	65	T-21	R	361+66.18	2.0 RT	A	1
RC72	G/G	BI	L-852C	(2) 30	65	T-30	R	362+15.46	2.0 RT	A	1
RC73	G/G	BI	L-852C	(2) 30	65	T-21	R	362+64.44	2.0 RT	A	1
RC74	G/G	BI	L-852C	(2) 30	65	T-30	R	363+13.79	1.9 RT	A	1
RC75	G/G	BI	L-852C	(2) 30	65	T-21	R	363+62.88	1.9 RT	A	1
RC76	G/G	BI	L-852C	(2) 30	65	T-30	R	364+12.31	2.0 RT	A	1
RC77	G/G	BI	L-852C	(2) 30	65	T-21	R	364+61.36	2.0 RT	A	1
RC78	G/G	BI	L-852C	(2) 30	65	T-30	R	365+10.39	1.9 RT	A	1
RC79	G/G	BI	L-852C	(2) 30	65	T-21	R	365+59.69	2.0 RT	A	1
RC80	G/G	BI	L-852C	(2) 30	65	T-30	R	366+08.93	1.9 RT	A	1
RC81	G/G	BI	L-852C	(2) 30	65	T-21	R	366+58.07	2.0 RT	A	1
RC82	G/G	BI	L-852C	(2) 30	65	T-30	R	367+07.23	1.9 RT	A	1
RC83	G/G	BI	L-852C	(2) 30	65	T-21	R	367+56.37	1.9 RT	A	1
RC84	G/G	BI	L-852C	(2) 30	65	T-30	R	368+05.46	1.9 RT	A	1
RC85	G/G	BI	L-852C	(2) 30	65	T-21	R	368+54.74	2.0 RT	A	1
RC86	G/G	BI	L-852C	(2) 30	65	T-30	R	369+03.96	2.0 RT	A	1
RC87	G/G	BI	L-852C	(2) 30	65	T-21	R	369+53.11	2.0 RT	A	1
RC88	G/G	BI	L-852C	(2) 30	65	T-30	R	370+02.26	2.0 RT	A	1
RC89	G/G	BI	L-852C	(2) 30	65	T-21	R	370+51.40	2.0 RT	A	1
RC90	G/G	BI	L-852C	(2) 30	65	T-30	R	371+00.49	2.0 RT	A	1
RC91	G/G	BI	L-852C	(2) 30	65	T-21	R	371+49.81	2.0 RT	A	1
RC92	G/G	BI	L-852C	(2) 30	65	T-30	R	371+98.95	1.9 RT	A	1
RC93	G/G	BI	L-852C	(2) 30	65	T-21	R	372+48.06	2.0 RT	A	1
RC94	G/G	BI	L-852C	(2) 30	65	T-30	R	372+97.37	2.0 RT	A	1
RC95	G/G	BI	L-852C	(2) 30	65	T-21	R	373+46.45	1.9 RT	A	1
RC96	G/G	BI	L-852C	(2) 30	65	T-30	R	373+95.75	2.0 RT	A	1
RC97	G/G	BI	L-852C	(2) 30	65	T-21	R	374+44.95	2.0 RT	A	1
RC98	G/G	BI	L-852C	(2) 30	65	T-30	R	374+94.03	2.0 RT	A	1
RC99	G/G	BI	L-852C	(2) 30	65	T-21	R	375+43.20	2.0 RT	A	1
RC100	G/G	BI	L-852C	(2) 30	65	T-30	R	375+92.44	2.0 RT	A	1
RC101	G/G	BI	L-852C	(2) 30	65	T-21	R	376+41.64	2.0 RT	A	1
RC102	G/G	BI	L-852C	(2) 30	65	T-30	R	376+90.64	2.0 RT	A	1
RC103	G/G	BI	L-852C	(2) 30	65	T-21	R	377+39.89	2.0 RT	A	1
RC104	G/G	BI	L-852C	(2) 30	65	T-30	R	377+89.14	2.1 RT	A	1
RC105	G/G	BI	L-852C	(2) 30	65	T-21	R	378+38.27	2.0 RT	A	1
RC106	G/G	BI	L-852C	(2) 30	65	T-30	R	378+87.52	2.0 RT	A	1
RC107	G/G	BI	L-852C	(2) 30	65	T-21	R	379+36.72	2.0 RT	A	1
RC108	G/G	BI	L-852C	(2) 30	65	T-30	R	379+85.79	2.0 RT	A	1

SCOPE OF WORK SUMMARY

WORK SCOPE	DESCRIPTION	REF. ITEM NO.	REF. DETAIL
A	FLUSH TW LIGHT REFURBISH	L125.600.0040	4/E31

NOTES:

1. TESTING OF EXISTING CONDUCTORS SHALL BE SUBSIDIARY TO THIS PAY ITEM. SEE PLANS FOR TESTING REQUIREMENTS.
2. EXISTING FIXTURE, TRANSFORMER, AND CONNECTORS TO REMAIN. CONDUCTOR TESTING SHALL BE SUBSIDIARY TO ADJACENT FIXTURE REWORK.

Preliminary

STATE OF ALASKA 49TH
William A. Stam
EE-8223
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY CENTERLINE LIGHT SCHEDULES

DATE: OCTOBER 2023

SHEET: E23 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised:
Layout Name: E23
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Schedules.dwg

10/23/2023 5:13 PM

TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE LAMP	WATTAGE XFMR	CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
RC109	G/G	BI	L-852C	(2) 30	65	T-21	R	380+34.97	1.9 RT	A	1
RC110	G/G	BI	L-852C	(2) 30	65	T-30	R	380+84.31	2.0 RT	A	1
RC111	G/G	BI	L-852C	(2) 30	65	T-21	R	381+33.59	2.0 RT	A	1
RC112	G/G	BI	L-852C	(2) 30	65	T-30	R	381+82.68	2.0 RT	A	1
RC113	G/G	BI	L-852C	(2) 30	65	T-21	R	382+31.52	2.2 RT	A	1
RC114	G/G	BI	L-852C	(2) 30	65	T-30	R	382+80.80	2.1 RT	A	1
RC115	G/G	BI	L-852C	(2) 30	65	T-21	R	383+30.37	2.0 RT	A	1
RC116	G/G	BI	L-852C	(2) 30	65	T-30	R	383+79.37	2.0 RT	A	1
RC117	G/G	BI	L-852C	(2) 30	65	T-21	R	384+28.66	2.1 RT	A	1
RC118	G/G	BI	L-852C	(2) 30	65	T-30	R	384+77.70	2.1 RT	A	1
RC119	G/G	BI	L-852C	(2) 30	65	T-21	R	385+26.89	2.0 RT	A	1
RC120	G/G	BI	L-852C	(2) 30	65	T-30	R	385+76.00	2.0 RT	A, C	
RC121	G/G	BI	L-852C	(2) 30	65	T-21	R	386+25.00	1.9 RT	A, C	
RC122	G/G	BI	L-852C	(2) 30	65	T-30	R	386+73.80	2.0 RT	A, C	
RC123	G/G	BI	L-852C	(2) 30	65	T-21	R	387+22.68	2.0 RT	A, C	
RC124	G/G	BI	L-852C	(2) 30	65	T-30	R	387+71.61	2.0 RT	A, C	
RC125	G/G	BI	L-852C	(2) 30	65	T-21	R	388+20.39	2.1 RT	A, C	
RC126	G/G	BI	L-852C	(2) 30	65	T-30	R	388+69.34	1.9 RT	A, C	
RC127	G/G	BI	L-852C	(2) 30	65	T-21	R	389+18.21	2.0 RT	A, C	
RC128	Y	OMNI	L-852F	150	200	T-21	R	389+67.05	2.0 RT	A, C	
RC129	G/G	BI	L-852C	(2) 30	65	T-21	R	390+16.76	1.9 RT	A, C	
RC130	G/G	BI	L-852C	(2) 30	65	T-30	R	390+66.51	1.8 RT	A, C	
RC131	G/G	BI	L-852C	(2) 30	65	T-21	R	391+16.24	2.0 RT	A, C	
RC132	G/G	BI	L-852C	(2) 30	65	T-30	R	391+65.91	2.0 RT	A, C	
RC133	G/G	BI	L-852C	(2) 30	65	T-21	R	392+15.67	1.7 RT	A, C	
RC134	G/G	BI	L-852C	(2) 30	65	T-30	R	392+65.32	1.8 RT	A, C	
RC135	G/G	BI	L-852C	(2) 30	65	T-21	R	393+15.07	1.9 RT	A, C	
RC136	G/G	BI	L-852C	(2) 30	65	T-30	R	393+64.75	1.9 RT	A, C	
RC137	G/G	BI	L-852C	(2) 30	65	T-21	R	394+14.41	1.9 RT	A, C	
RC138	G/G	BI	L-852C	(2) 30	65	T-30	R	394+64.14	1.9 RT	A, C	
RC139	G/G	BI	L-852C	(2) 30	65	T-21	R	395+13.87	1.9 RT	A, C	
RC140	G/G	BI	L-852C	(2) 30	65	T-30	R	395+63.51	1.9 RT	A, C	
RC141	G/G	BI	L-852C	(2) 30	65	T-21	R	396+13.32	1.9 RT	A, C	
RC142	G/G	BI	L-852C	(2) 30	65	T-30	R	396+62.93	1.7 RT	A, C	
RC143	G/G	BI	L-852C	(2) 30	65	T-21	R	397+12.71	1.9 RT	A, C	
RC144	G/G	BI	L-852C	(2) 30	65	T-30	R	397+62.52	2.0 RT	A, C	
RC145	G/G	BI	L-852C	(2) 30	65	T-21	R	398+12.16	1.8 RT	A, C	
RC146	G/G	BI	L-852C	(2) 30	65	T-30	R	398+61.79	1.9 RT	A, C	
RC147	G/G	BI	L-852C	(2) 30	65	T-21	R	399+11.57	2.2 RT	A, C	
RC148	G/G	BI	L-852C	(2) 30	65	T-30	R	399+61.38	1.8 RT	A, C	
RC149	G/G	BI	L-852C	(2) 30	65	T-21	R	400+11.16	2.1 RT	A, C	
RC150	G/G	BI	L-852C	(2) 30	65	T-30	R	400+60.67	2.1 RT	A, C	
RC151	G/G	BI	L-852C	(2) 30	65	T-21	R	401+10.38	1.7 RT	A, C	
RC152	G/G	BI	L-852C	(2) 30	65	T-30	R	401+60.09	2.1 RT	A, C	
RC153	G/G	BI	L-852C	(2) 30	65	T-21	R	402+10.18	1.8 RT	A, C	
RC154	G/G	BI	L-852C	(2) 30	65	T-30	R	402+59.81	1.8 RT	A, C	
RC155	G/G	BI	L-852C	(2) 30	65	T-21	R	403+09.14	1.8 RT	A, C	
RC156	G/G	BI	L-852C	(2) 30	65	T-30	R	403+58.94	1.9 RT	A, C	
RC157	G/G	BI	L-852C	(2) 30	65	T-21	R	404+08.78	2.1 RT	A, C	
RC158	G/G	BI	L-852C	(2) 30	65	T-30	R	404+58.28	2.0 RT	A, C	
RC159	G/G	BI	L-852C	(2) 30	65	T-21	R	405+08.04	1.8 RT	A, C	
RC160	G/G	BI	L-852C	(2) 30	65	T-30	R	405+57.98	1.9 RT	A, C	
RC161	Y	OMNI	L-852F	150	200	T-21	R	406+07.67	1.9 RT	A, C	

TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE LAMP	WATTAGE XFMR	CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
RC162	G/G	BI	L-852C	(2) 30	65	T-30	R	406+57.57	1.7 RT	A, C	
RC163	G/G	BI	L-852C	(2) 30	65	T-21	R	407+07.39	1.9 RT	A, C	
RC164	G/G	BI	L-852C	(2) 30	65	T-30	R	407+57.37	2.0 RT	A, C	
RC165	G/G	BI	L-852C	(2) 30	65	T-21	R	408+07.20	1.8 RT	A, C	
RC166	G/G	BI	L-852C	(2) 30	65	T-30	R	408+57.11	2.0 RT	A, C	
RC167	G/G	BI	L-852C	(2) 30	65	T-21	R	409+07.00	1.9 RT	A, C	
RC168	G/G	BI	L-852C	(2) 30	65	T-30	R	409+56.78	1.8 RT	A, C	
RC169	G/G	BI	L-852C	(2) 30	65	T-21	R	410+06.69	2.0 RT	A, C	
RC170	G/G	BI	L-852C	(2) 30	65	T-30	R	410+56.87	1.9 RT	A, C	
RC171	G/G	BI	L-852C	(2) 30	65	T-21	R	411+06.65	1.7 RT	A, C	
RC172	G/G	BI	L-852C	(2) 30	65	T-30	R	411+56.45	1.9 RT	A, C	
RC173	G/G	BI	L-852C	(2) 30	65	T-21	R	412+06.63	1.9 RT	A, C	
RC174	G/G	BI	L-852C	(2) 30	65	T-30	R	412+56.56	1.7 RT	A, C	
RC175	G/G	BI	L-852C	(2) 30	65	T-21	R	413+06.27	2.0 RT	A, C	
RC176	G/G	BI	L-852C	(2) 30	65	T-30	R	413+56.22	1.9 RT	A, C	
RC177	G/G	BI	L-852C	(2) 30	65	T-21	R	414+06.22	1.9 RT	A, C	
RC178	G/G	BI	L-852C	(2) 30	65	T-30	R	414+55.97	1.9 RT	A, C	
RC179	G/G	BI	L-852C	(2) 30	65	T-21	R	415+05.91	1.9 RT	A, C	
RC180	G/G	BI	L-852C	(2) 30	65	T-30	R	415+56.05	1.9 RT	A, C	
RC181	G/G	BI	L-852C	(2) 30	65	T-21	R	416+05.82	2.0 RT	A, C	
RC182	G/G	BI	L-852C	(2) 30	65	T-30	R	416+55.77	2.0 RT	A, C	
RC183	G/G	BI	L-852C	(2) 30	65	T-21	R	417+05.63	1.9 RT	A, C	
RC184	G/G	BI	L-852C	(2) 30	65	T-30	R	417+55.46	2.0 RT	A, C	
RC185	G/G	BI	L-852C	(2) 30	65	T-21	R	418+05.48	1.9 RT	A, C	
RC186	G/G	BI	L-852C	(2) 30	65	T-30	R	418+55.41	1.9 RT	A, C	
RC187	G/G	BI	L-852C	(2) 30	65	T-21	R	419+05.26	1.9 RT	A, C	
RC188	G/G	BI	L-852C	(2) 30	65	T-30	R	419+55.17	2.2 RT	A, C	
RC189	G/G	BI	L-852C	(2) 30	65	T-21	R	420+05.08	2.0 RT	A, C	
RC190	G/G	BI	L-852C	(2) 30	65	T-30	R	420+54.90	1.9 RT	A, C	
RC191	G/G	BI	L-852C	(2) 30	65	T-21	R	421+05.00	1.8 RT	A, C	
RC192	G/G	BI	L-852C	(2) 30	65	T-30	R	421+55.09	1.9 RT	A, C	
RC193	G/G	BI	L-852C	(2) 30	65	T-21	R	422+04.97	2.0 RT	A, C	
RC194	Y	OMNI	L-852F	150	200	T-21	R	422+55.00	1.9 RT	A, C	
RC195	G/G	BI	L-852C	(2) 30	65	T-21	R	423+04.62	1.7 RT	A, C	
RC196	G/G	BI	L-852C	(2) 30	65	T-30	R	423+54.70	1.8 RT	A, C	
RC197	G/G	BI	L-852C	(2) 30	65	T-21	R	424+04.49	1.9 RT	A, C	
RC198	G/G	BI	L-852C	(2) 30	65	T-30	R	424+54.28	1.9 RT	A, C	
RC199	G/G	BI	L-852C	(2) 30	65	T-21	R	425+03.96	2.0 RT	A, C	
RC200	G/G	BI	L-852C	(2) 30	65	T-30	R	425+53.84	1.9 RT	A, C	
RC201	G/G	BI	L-852C	(2) 30	65	T-21	R	426+03.64	2.1 RT	A, C	
RC202	G/G	BI	L-852C	(2) 30	65	T-30	R	426+53.46	1.8 RT	A, C	
RC203	G/G	BI	L-852C	(2) 30	65	T-21	R	427+03.56	2.0 RT	A, C	
RC204	G/G	BI	L-852C	(2) 30	65	T-30	R	427+53.36	1.9 RT	A, C	
RC205	G/G	BI	L-852C	(2) 30	65	T-21	R	428+03.06	2.0 RT	A, C	
RC206	G/G	BI	L-852C	(2) 30	65	T-30	R	428+52.87	1.8 RT	A, C	
RC207	G/G	BI	L-852C	(2) 30	65	T-21	R	429+02.80	1.8 RT	A, C	
RC208	G/G	BI	L-852C	(2) 30	65	T-30	R	429+52.45	1.8 RT	A, C	
RC209	G/G	BI	L-852C	(2) 30	65	T-21	R	430+02.20	1.9 RT	A, C	
RC210	G/G	BI	L-852C	(2) 30	65	T-30	R	430+52.29	1.9 RT	A, C	
RC211	G/G	BI	L-852C	(2) 30	65	T-21	R	431+02.09	2.0 RT	A, C	
RC212	G/G	BI	L-852C	(2) 30	65	T-30	R	431+51.94	1.9 RT	A, C	
RC213	G/G	BI	L-852C	(2) 30	65	T-21	R	432+01.71	2.0 RT	A, C	
RC214	G/G	BI	L-852C	(2) 30	65	T-30	R	432+51.39	1.9 RT	A, C	
RC215	G/G	BI	L-852C	(2) 30	65	T-21	R	433+01.19	1.8 RT	A, C	

SCOPE OF WORK SUMMARY

WORK SCOPE	DESCRIPTION	REF. ITEM NO.	REF. DETAIL
A	FLUSH TW LIGHT REFURBISH	L125.600.0040	4/E31
C	L-868 BASE CAN IN PCC	L125.060.0000	2/E35

NOTES:

1. TESTING OF EXISTING CONDUCTORS SHALL BE SUBSIDIARY TO THIS PAY ITEM. SEE PLANS FOR TESTING REQUIREMENTS.

PRELIMINARY NOT FOR CONSTRUCTION

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised:
Layout Name: E24
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880--ANC-Electrical Schedules.dwg

10/23/2023 11:02 AM

STATE OF ALASKA 49TH
William A. Starn
EE-8223
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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BY	DATE	REVISION

STATE OF ALASKA
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY CENTERLINE LIGHT SCHEDULES

DATE: OCTOBER 2023

SHEET: E24 OF E37

TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE LAMP	WATTAGE XFMR	CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
RC216	G/G	BI	L-852C	(2) 30	65	T-30	R	433+51.07	1.8 RT	A, C	
RC217	G/G	BI	L-852C	(2) 30	65	T-21	R	433+97.34	2.0 RT	A, C	
RC218	G/G	BI	L-852D	(2) 30	65	T-21	R	388+54.06	2.5 LT	A	3
RC219	G/G	BI	L-852D	(2) 30	65	T-30	R	388+66.56	3.2 LT	A	3
RC220	G/G	BI	L-852D	(2) 30	65	T-21	R	388+79.18	5.3 LT	A	3
RC221	G/G	BI	L-852D	(2) 30	65	T-30	R	388+91.25	8.8 LT	A	3
RC222	G/G	BI	L-852D	(2) 30	65	T-21	R	389+02.86	13.5 LT	A	3
RC223	G/G	BI	L-852D	(2) 30	65	T-30	R	389+13.84	19.7 LT	A	3
RC224	G/G	BI	L-852D	(2) 30	65	T-21	R	389+24.20	27.0 LT	A	3
RC225	G/G	BI	L-852D	(2) 30	65	T-30	R	389+33.63	35.4 LT	A	3
RC226	G/G	BI	L-852D	(2) 30	65	T-21	R	389+42.02	44.8 LT	A	
RC227	G/G	BI	L-852D	(2) 30	65	T-30	R	389+49.41	55.3 LT	A	
RC228	G/G	BI	L-852D	(2) 30	65	T-21	R	389+55.39	66.2 LT	A	
RC229	G/G	BI	L-852D	(2) 30	65	T-30	R	389+60.29	77.8 LT	A	
RC230	G/G	BI	L-852D	(2) 30	65	T-21	R	389+63.76	90.0 LT	A	
RC231	G/G	BI	L-852D	(2) 30	65	T-30	R	389+65.75	102.5 LT	A	
RC232	G/G	BI	L-852D	(2) 30	65	T-21	R	389+66.56	115.1 LT	A	
RC233	G/G	BI	L-852D	(2) 30	65	T-21	R	390+84.00	2.4 LT	A	3
RC234	G/G	BI	L-852D	(2) 30	65	T-30	R	390+71.44	3.2 LT	A	3
RC235	G/G	BI	L-852D	(2) 30	65	T-21	R	390+58.93	5.3 LT	A	3
RC236	G/G	BI	L-852D	(2) 30	65	T-30	R	390+46.72	8.8 LT	A	3
RC237	G/G	BI	L-852D	(2) 30	65	T-21	R	390+35.21	13.6 LT	A	3
RC238	G/G	BI	L-852D	(2) 30	65	T-30	R	390+24.11	19.7 LT	A	3
RC239	G/G	BI	L-852D	(2) 30	65	T-21	R	390+13.75	26.9 LT	A	3
RC240	G/G	BI	L-852D	(2) 30	65	T-30	R	390+04.34	35.5 LT	A	3
RC241	G/G	BI	L-852D	(2) 30	65	T-21	R	389+95.99	44.8 LT	A	3
RC242	G/G	BI	L-852D	(2) 30	65	T-30	R	389+88.71	55.2 LT	A	
RC243	G/G	BI	L-852D	(2) 30	65	T-21	R	389+82.59	66.0 LT	A	
RC244	G/G	BI	L-852D	(2) 30	65	T-30	R	389+77.79	77.9 LT	A	
RC245	G/G	BI	L-852D	(2) 30	65	T-21	R	389+74.29	89.9 LT	A	
RC246	G/G	BI	L-852D	(2) 30	65	T-30	R	389+72.15	102.5 LT	A	
RC247	G/G	BI	L-852D	(2) 30	65	T-21	R	389+71.41	115.0 LT	A	
RC248	G/G	BI	L-852D	(2) 30	65	T-21	R	404+94.47	2.4 LT	A	3
RC249	G/G	BI	L-852D	(2) 30	65	T-30	R	405+07.11	3.4 LT	A	3
RC250	G/G	BI	L-852D	(2) 30	65	T-21	R	405+19.66	5.4 LT	A	3
RC251	G/G	BI	L-852D	(2) 30	65	T-30	R	405+31.80	8.6 LT	A	3
RC252	G/G	BI	L-852D	(2) 30	65	T-21	R	405+43.27	13.9 LT	A	3
RC253	G/G	BI	L-852D	(2) 30	65	T-30	R	405+54.49	19.7 LT	A	3
RC254	G/G	BI	L-852D	(2) 30	65	T-21	R	405+64.82	27.0 LT	A	3
RC255	G/G	BI	L-852D	(2) 30	65	T-30	R	405+74.19	35.6 LT	A	3
RC256	G/G	BI	L-852D	(2) 30	65	T-21	R	405+82.54	44.8 LT	A	
RC257	G/G	BI	L-852D	(2) 30	65	T-30	R	405+89.86	55.1 LT	A	
RC258	G/G	BI	L-852D	(2) 30	65	T-21	R	405+95.89	66.3 LT	A	
RC259	G/G	BI	L-852D	(2) 30	65	T-30	R	406+00.77	78.0 LT	A	
RC260	G/G	BI	L-852D	(2) 30	65	T-21	R	406+04.21	90.0 LT	A	
RC261	G/G	BI	L-852D	(2) 30	65	T-30	R	406+06.42	102.3 LT	A	
RC262	G/G	BI	L-852D	(2) 30	65	T-21	R	406+07.17	115.0 LT	A	

TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE LAMP	WATTAGE XFMR	CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
RC263	G/G	BI	L-852D	(2) 30	65	T-21	R	407+24.54	2.5 LT	A	3
RC264	G/G	BI	L-852D	(2) 30	65	T-30	R	407+12.13	3.2 LT	A	3
RC265	G/G	BI	L-852D	(2) 30	65	T-21	R	406+99.85	5.3 LT	A	3
RC266	G/G	BI	L-852D	(2) 30	65	T-30	R	406+87.73	8.9 LT	A	3
RC267	G/G	BI	L-852D	(2) 30	65	T-21	R	406+75.98	13.6 LT	A	3
RC268	G/G	BI	L-852D	(2) 30	65	T-30	R	406+64.77	19.7 LT	A	3
RC269	G/G	BI	L-852D	(2) 30	65	T-21	R	406+54.53	26.9 LT	A	3
RC270	G/G	BI	L-852D	(2) 30	65	T-30	R	406+45.23	35.3 LT	A	3
RC271	G/G	BI	L-852D	(2) 30	65	T-21	R	406+36.76	44.7 LT	A	
RC272	G/G	BI	L-852D	(2) 30	65	T-30	R	406+29.59	54.9 LT	A	
RC273	G/G	BI	L-852D	(2) 30	65	T-21	R	406+23.47	66.0 LT	A	
RC274	G/G	BI	L-852D	(2) 30	65	T-30	R	406+18.33	77.9 LT	A	
RC275	G/G	BI	L-852D	(2) 30	65	T-21	R	406+14.99	89.9 LT	A	
RC276	G/G	BI	L-852D	(2) 30	65	T-30	R	406+12.84	102.5 LT	A	
RC277	G/G	BI	L-852D	(2) 30	65	T-21	R	406+12.29	115.0 LT	A	
RC278	G/G	BI	L-852D	(2) 30	65	T-21	R	421+41.77	2.6 LT	A	3
RC279	G/G	BI	L-852D	(2) 30	65	T-30	R	421+54.32	3.4 LT	A	3
RC280	G/G	BI	L-852D	(2) 30	65	T-21	R	421+66.81	5.4 LT	A	3
RC281	G/G	BI	L-852D	(2) 30	65	T-30	R	421+79.08	8.9 LT	A	3
RC282	G/G	BI	L-852D	(2) 30	65	T-21	R	421+90.78	13.8 LT	A	
RC283	G/G	BI	L-852D	(2) 30	65	T-30	R	422+01.75	19.8 LT	A	
RC284	G/G	BI	L-852D	(2) 30	65	T-21	R	422+12.04	27.1 LT	A	
RC285	G/G	BI	L-852D	(2) 30	65	T-30	R	422+21.51	35.6 LT	A	
RC286	G/G	BI	L-852D	(2) 30	65	T-21	R	422+29.90	44.9 LT	A	
RC287	G/G	BI	L-852D	(2) 30	65	T-30	R	422+37.21	55.2 LT	A	
RC288	G/G	BI	L-852D	(2) 30	65	T-21	R	422+43.20	66.3 LT	A	
RC289	G/G	BI	L-852D	(2) 30	65	T-30	R	422+48.06	77.9 LT	A	
RC290	G/G	BI	L-852D	(2) 30	65	T-21	R	422+51.53	90.1 LT	A	
RC291	G/G	BI	L-852D	(2) 30	65	T-30	R	422+53.78	102.7 LT	A	
RC292	G/G	BI	L-852D	(2) 30	65	T-21	R	422+54.38	115.1 LT	A	
RC293	G/G	BI	L-852D	(2) 30	65	T-21	R	423+71.67	2.7 LT	A	3
RC294	G/G	BI	L-852D	(2) 30	65	T-30	R	423+59.47	3.0 LT	A	3
RC295	G/G	BI	L-852D	(2) 30	65	T-21	R	423+46.81	5.2 LT	A	3
RC296	G/G	BI	L-852D	(2) 30	65	T-30	R	423+34.59	8.9 LT	A	3
RC297	G/G	BI	L-852D	(2) 30	65	T-21	R	423+22.91	13.6 LT	A	
RC298	G/G	BI	L-852D	(2) 30	65	T-30	R	423+12.14	19.8 LT	A	
RC299	G/G	BI	L-852D	(2) 30	65	T-21	R	423+01.71	27.0 LT	A	
RC300	G/G	BI	L-852D	(2) 30	65	T-30	R	422+92.15	35.5 LT	A	
RC301	G/G	BI	L-852D	(2) 30	65	T-21	R	422+83.77	44.9 LT	A	
RC302	G/G	BI	L-852D	(2) 30	65	T-30	R	422+76.52	55.2 LT	A	
RC303	G/G	BI	L-852D	(2) 30	65	T-21	R	422+70.44	66.2 LT	A	
RC304	G/G	BI	L-852D	(2) 30	65	T-30	R	422+65.59	78.0 LT	A	
RC305	G/G	BI	L-852D	(2) 30	65	T-21	R	422+62.12	90.1 LT	A	
RC306	G/G	BI	L-852D	(2) 30	65	T-30	R	422+60.05	102.2 LT	A	
RC307	G/G	BI	L-852D	(2) 30	65	T-21	R	422+59.23	115.0 LT	A	

SCOPE OF WORK SUMMARY

WORK SCOPE	DESCRIPTION	REF. ITEM NO.	REF. DETAIL
A	FLUSH TW LIGHT REFURBISH	L125.600.0040	4/E31
C	L-868 BASE CAN IN PCC	L125.060.0000	2/E35

NOTES:

3. ADJUST EXISTING TAXIWAY LIGHT BASE IN HMA UNDER SEPARATE L125.210.0000 PAY ITEM AS INDICATED IN PLANS AND DEMO LIGHT SCHEDULE.

DRAFT
Not for Construction

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised:
Layout Name: E25
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Schedules.dwg 10/23/2023 11:02 AM

STATE OF ALASKA
49TH
William A. Starn
EE-8223
REGISTERED PROFESSIONAL ENGINEER

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

TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY CENTERLINE LIGHT SCHEDULES

DATE: OCTOBER 2023

SHEET: E25 OF E37

TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE LAMP	WATTAGE XFMR	CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
RC319	G/G	BI	L-852D	(2) 30	65	T-21	R	423+71.98	1.7 RT	B	
RC320	G/G	BI	L-852D	(2) 30	65	T-21	R	423+46.89	4.8 RT	B	
RC321	G/G	BI	L-852D	(2) 30	65	T-21	R	423+22.96	13.2 RT	A	
RC322	G/G	BI	L-852D	(2) 30	65	T-21	R	423+01.46	26.8 RT	A	
RC323	G/G	BI	L-852D	(2) 30	65	T-21	R	422+83.69	44.4 RT	A	
RC324	G/G	BI	L-852D	(2) 30	65	T-21	R	422+69.93	65.9 RT	A	
RC325	G/G	BI	L-852D	(2) 30	65	T-21	R	422+61.64	89.6 RT	A	
RC326	G/G	BI	L-852D	(2) 30	65	T-21	R	422+58.63	115.0 RT	A	
RC327	G/G	BI	L-852D	(2) 30	65	T-21	R	422+54.69	115.0 RT	B	
RC328	G/G	BI	L-852D	(2) 30	65	T-21	R	422+52.10	90.0 RT	B	
RC329	G/G	BI	L-852D	(2) 30	65	T-21	R	422+43.71	66.0 RT	A	
RC330	G/G	BI	L-852D	(2) 30	65	T-21	R	422+30.04	44.5 RT	A	
RC331	G/G	BI	L-852D	(2) 30	65	T-21	R	422+12.11	26.8 RT	A	
RC332	G/G	BI	L-852D	(2) 30	65	T-21	R	421+90.83	13.1 RT	A	
RC333	G/G	BI	L-852D	(2) 30	65	T-21	R	421+67.08	4.7 RT	A	
RC334	G/G	BI	L-852D	(2) 30	65	T-21	R	421+41.99	2.0 RT	A	
RC340	G/G	BI	L-852D	(2) 30	65	T-21	R	407+24.55	2.5 RT	B	
RC341	–	–	L-868	–	–	T-30	R	407+11.98	3.2 RT	C	4
RC342	G/G	BI	L-852D	(2) 30	65	T-21	R	406+99.56	5.3 RT	B	
RC343	–	–	L-868	–	–	T-30	R	406+87.46	8.8 RT	C	4
RC344	G/G	BI	L-852D	(2) 30	65	T-21	R	406+75.82	13.6 RT	B	
RC345	–	–	L-868	–	–	T-30	R	406+64.79	19.7 RT	C	4
RC346	G/G	BI	L-852D	(2) 30	65	T-21	R	406+54.52	27.0 RT	B	
RC347	–	–	L-868	–	–	T-30	R	406+45.11	35.3 RT	C	4
RC348	G/G	BI	L-852D	(2) 30	65	T-21	R	406+36.71	44.7 RT	B	
RC349	–	–	L-868	–	–	T-30	R	406+29.40	55.0 RT	C	4
RC350	G/G	BI	L-852D	(2) 30	65	T-21	R	406+23.29	66.0 RT	B	
RC351	–	–	L-868	–	–	T-30	R	406+18.45	77.6 RT	C	4
RC352	G/G	BI	L-852D	(2) 30	65	T-21	R	406+14.93	89.7 RT	B	
RC353	–	–	L-868	–	–	T-30	R	406+12.79	102.1 RT	C	4
RC354	G/G	BI	L-852D	(2) 30	65	T-21	R	406+12.05	115.0 RT	B	
RC360	G/G	BI	L-852D	(2) 30	65	T-21	R	406+07.05	115.0 RT	B	
RC361	–	–	L-868	–	–	T-30	R	406+06.31	102.1 RT	C	4
RC362	G/G	BI	L-852D	(2) 30	65	T-21	R	406+04.17	89.7 RT	B	
RC363	–	–	L-868	–	–	T-30	R	406+00.66	77.6 RT	C	4
RC364	G/G	BI	L-852D	(2) 30	65	T-21	R	405+95.82	66.0 RT	B	
RC365	–	–	L-868	–	–	T-30	R	405+89.71	55.0 RT	C	4
RC366	G/G	BI	L-852D	(2) 30	65	T-21	R	405+82.40	44.7 RT	B	
RC367	–	–	L-868	–	–	T-30	R	405+74.00	35.3 RT	C	4
RC368	G/G	BI	L-852D	(2) 30	65	T-21	R	405+64.60	27.0 RT	B	
RC369	–	–	L-868	–	–	T-30	R	405+54.32	19.7 RT	C	4
RC370	G/G	BI	L-852D	(2) 30	65	T-21	R	405+43.29	13.6 RT	B	
RC371	–	–	L-868	–	–	T-30	R	405+31.65	8.8 RT	C	4
RC372	G/G	BI	L-852D	(2) 30	65	T-21	R	405+19.55	5.3 RT	B	
RC373	–	–	L-868	–	–	T-30	R	405+07.14	3.2 RT	C	4
RC374	G/G	BI	L-852D	(2) 30	65	T-21	R	404+94.56	2.5 RT	B	

TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE LAMP	WATTAGE XFMR	CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
RC380	G/G	BI	L-852D	(2) 30	65	T-21	R	390+83.98	2.5 RT	B	
RC381	G/G	BI	L-852D	(2) 30	65	T-30	R	390+71.40	3.2 RT	B	
RC382	G/G	BI	L-852D	(2) 30	65	T-21	R	390+58.98	5.3 RT	B	
RC383	G/G	BI	L-852D	(2) 30	65	T-30	R	390+46.88	8.8 RT	B	
RC384	G/G	BI	L-852D	(2) 30	65	T-21	R	390+35.24	13.6 RT	B	
RC385	G/G	BI	L-852D	(2) 30	65	T-30	R	390+24.22	19.7 RT	B	
RC386	G/G	BI	L-852D	(2) 30	65	T-21	R	390+13.94	27.0 RT	B	
RC387	G/G	BI	L-852D	(2) 30	65	T-30	R	390+04.54	35.3 RT	B	
RC388	G/G	BI	L-852D	(2) 30	65	T-21	R	389+96.13	44.7 RT	B	
RC389	G/G	BI	L-852D	(2) 30	65	T-30	R	389+88.83	55.0 RT	B	
RC390	G/G	BI	L-852D	(2) 30	65	T-21	R	389+82.71	66.0 RT	B	
RC391	G/G	BI	L-852D	(2) 30	65	T-30	R	389+77.87	77.6 RT	B	
RC392	G/G	BI	L-852D	(2) 30	65	T-21	R	389+74.36	89.7 RT	B	
RC393	G/G	BI	L-852D	(2) 30	65	T-30	R	389+72.21	102.1 RT	B	
RC394	G/G	BI	L-852D	(2) 30	65	T-21	R	389+71.47	114.7 RT	B	
RC400	G/G	BI	L-852D	(2) 30	65	T-21	R	389+66.47	114.7 RT	B	
RC401	G/G	BI	L-852D	(2) 30	65	T-30	R	389+65.73	102.1 RT	B	
RC402	G/G	BI	L-852D	(2) 30	65	T-21	R	389+63.59	89.7 RT	B	
RC403	G/G	BI	L-852D	(2) 30	65	T-30	R	389+60.08	77.6 RT	B	
RC404	G/G	BI	L-852D	(2) 30	65	T-21	R	389+55.24	66.0 RT	B	
RC405	G/G	BI	L-852D	(2) 30	65	T-30	R	389+49.12	55.0 RT	B	
RC406	G/G	BI	L-852D	(2) 30	65	T-21	R	389+41.82	44.7 RT	B	
RC407	G/G	BI	L-852D	(2) 30	65	T-30	R	389+33.41	35.3 RT	B	
RC408	G/G	BI	L-852D	(2) 30	65	T-21	R	389+24.01	27.0 RT	B	
RC409	G/G	BI	L-852D	(2) 30	65	T-30	R	389+13.73	19.7 RT	B	
RC410	G/G	BI	L-852D	(2) 30	65	T-21	R	389+02.71	13.6 RT	B	
RC411	G/G	BI	L-852D	(2) 30	65	T-30	R	388+91.07	8.8 RT	B	
RC412	G/G	BI	L-852D	(2) 30	65	T-21	R	388+78.96	5.3 RT	B	
RC413	G/G	BI	L-852D	(2) 30	65	T-30	R	388+66.55	3.2 RT	B	
RC414	G/G	BI	L-852D	(2) 30	65	T-21	R	388+53.98	2.5 RT	B	
RC450	G/G	BI	L-852C	(2) 30	65	T-21	R	327+69.28	2.0 LT	A	1
RC451	Y/Y	BI	L-852C	(2) 30	65	T-21	R	327+20.47	2.0 LT	A	1
RC452	G/G	BI	L-852C	(2) 30	65	T-21	R	326+71.66	2.0 LT	A	1
RC453	Y/Y	BI	L-852C	(2) 30	65	T-21	R	326+22.85	2.0 LT	A	1
RC454	G/G	BI	L-852C	(2) 30	65	T-21	R	325+74.04	2.0 LT	A	1
RC455	Y/Y	BI	L-852C	(2) 30	65	T-21	R	325+25.24	2.0 LT	A	1
RC456	G/G	BI	L-852C	(2) 30	65	T-21	R	324+76.43	2.0 LT	A	1
RC457	Y/Y	BI	L-852C	(2) 30	65	T-21	R	324+27.62	2.0 LT	A	1
RC458	G/G	BI	L-852C	(2) 30	65	T-21	R	323+78.81	2.0 LT	A	1
RC459	Y/Y	BI	L-852C	(2) 30	65	T-21	R	323+30.00	2.0 LT	A	1

SCOPE OF WORK SUMMARY

WORK SCOPE	DESCRIPTION	REF. ITEM NO.	REF. DETAIL
A	FLUSH TW LIGHT REFURBISH	L125.600.0040	4/E31
B	FLUSH TW LIGHT IN PCC	L125.095.0000	1 & 2/E30
C	L-868 BASE CAN IN PCC	L125.060.0000	2/E35

NOTES:

1. TESTING OF EXISTING CONDUCTORS SHALL BE SUBSIDIARY TO THIS PAY ITEM. SEE PLANS FOR TESTING REQUIREMENTS.
4. PROVIDE LIGHT BASE WITH BLANK COVER AND SLACK CONDUCTORS FOR FUTURE LO-VIS LIGHTING. NO FIXTURE OR TRANSFORMER.

Draft Copy

STATE OF ALASKA 49TH — William A. Starn EE-8223 — REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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 TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY CENTERLINE LIGHT SCHEDULES

DATE: OCTOBER 2023

SHEET: E26 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised:
Layout Name: E26
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Schedules.dwg
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TAXIWAY CENTERLINE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE		CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
				LAMP	XFMR						
TC460	G/G	BI	L-852C(L)	56W (LED)	65	T-21	T	667+73.6	2.1 RT	B	8
TC461	–	–	L-868	–	–	T-30	T	668+20.1	2.0 RT	C	4
TC462	G/G	BI	L-852C(L)	56W (LED)	65	T-21	T	668+66.6	2.0 RT	B	8
TC463	–	–	L-868	–	–	T-30	T	669+13.2	2.0 RT	C	4
TC464	G/G	BI	L-852C(L)	56W (LED)	65	T-21	T	669+59.7	2.0 RT	B	8
TC465	–	–	L-868	–	–	T-30	T	670+6.3	2.0 RT	C	4
TC466	G/G	BI	L-852C(L)	56W (LED)	65	T-21	T	670+52.8	2.0 RT	B	8
TC467	–	–	L-868	–	–	T-30	T	670+99.3	2.1 RT	C	4
UC420	G/G	BI	L-852C(L)	56W (LED)	65	T-30	R	389+67.1	49.8 RT	B	8
UC421	G/G	BI	L-852C(L)	56W (LED)	65	T-21	R	389+67.1	97.6 RT	B	8
UC422	G/G	BI	L-852C(L)	56W (LED)	65	T-30	U	81+45.4	2.0 RT	B	8
UC423	G/G	BI	L-852C(L)	56W (LED)	65	T-21	U	81+93.2	1.9 RT	B	8
UC424	G/G	BI	L-852C(L)	56W (LED)	65	T-30	U	82+41.0	1.9 RT	B	8
UC425	G/G	BI	L-852C(L)	56W (LED)	65	T-21	U	82+88.8	1.9 RT	B	8
UC426	G/G	BI	L-852C(L)	56W (LED)	65	T-30	U	83+36.6	1.9 RT	B	8
UC427	G/G	BI	L-852C(L)	56W (LED)	65	T-21	U	83+84.4	1.9 RT	B	8
UC428	G/G	BI	L-852C(L)	56W (LED)	65	T-30	U	84+32.2	1.9 RT	B	8
UC429	G/G	BI	L-852C(L)	56W (LED)	65	T-21	U	84+80.0	1.9 RT	B	8
UC430	G/G	BI	L-852C(L)	56W (LED)	65	T-30	U	85+27.8	1.9 RT	B	8
UC431	G/G	BI	L-852C(L)	56W (LED)	65	T-21	U	85+75.6	1.9 RT	B	8
UC432	G/G	BI	L-852C(L)	56W (LED)	65	T-30	U	86+23.4	1.9 RT	B	8
UC433	G/G	BI	L-852C(L)	56W (LED)	65	T-21	U	86+71.2	2.0 RT	B	8
UC434	G/G	BI	L-852C(L)	56W (LED)	65	T-30	U	87+19.0	1.9 RT	B	8
UC435	G/G	BI	L-852C(L)	56W (LED)	65	T-21	U	87+66.8	1.9 RT	B	8
UC436	G/G	BI	L-852C(L)	56W (LED)	65	T-30	U	88+14.6	1.9 RT	B	8
UC438	G/G	BI	L-852D(L)	58 (LED)	65	T-21	U	86+23.2	2.2 RT	B	5
UC439	G/G	BI	L-852D(L)	58 (LED)	65	T-30	U	86+40.5	4.1 RT	B	5
UC440	G/G	BI	L-852D(L)	58 (LED)	65	T-21	U	86+62.9	9.8 RT	G	6
UC441	G/G	BI	L-852D(L)	58 (LED)	65	T-30	U	86+84.0	18.9 RT	G	6
UC442	G/G	BI	L-852D(L)	58 (LED)	65	T-21	U	87+03.5	31.1 RT	G	6
UC443	G/G	BI	L-852D(L)	58 (LED)	65	T-30	U	87+20.8	46.2 RT	G	6
UC444	G/G	BI	L-852D(L)	58 (LED)	65	T-21	U	87+35.7	63.8 RT	G	6
UC445	G/G	BI	L-852D(L)	58 (LED)	65	T-30	U	87+47.5	83.5 RT	G	6
UC446	G/G	BI	L-852D(L)	58 (LED)	65	T-21	U	87+56.1	104.7 RT	G	6
UC447	G/G	BI	L-852D(L)	58 (LED)	65	T-30	U	87+61.5	126.8 RT	G	6
UC448	G/G	BI	L-852D(L)	58 (LED)	65	T-21	U	87+63.4	150.0 RT	G	6
UC449	G/G	BI	L-852D	(2) 30	65	T-21	U	83+44.8	132.8 RT	A	3

SCOPE OF WORK SUMMARY

WORK SCOPE	DESCRIPTION	REF. ITEM NO.	REF. DETAIL
A	FLUSH TW LIGHT REFURBISH	L125.600.0040	4/E31
B	FLUSH TW LIGHT IN PCC	L125.095.0000	1/E30
C	L-868 BASE CAN IN PCC	L125.060.0000	2/E35
G	ADJUST TW LIGHT	L125.210.0000	2/E31

NOTES:

3. ADJUST EXISTING TAXIWAY LIGHT BASE IN HMA UNDER SEPARATE L125.210.0000 PAY ITEM AS INDICATED IN PLANS AND DEMO LIGHT SCHEDULE.
4. PROVIDE LIGHT BASE WITH BLANK COVER AND SLACK CONDUCTORS FOR FUTURE LO-VIS LIGHTING. NO FIXTURE OR TRANSFORMER.
5. RE-INSTALL EXISTING FLUSH TW LIGHT IN NEW LIGHT BASE.
6. ADJUST EXISTING TAXIWAY LIGHT BASE IN HMA, AND RE-INSTALL EXISTING FLUSH TW LIGHT WITH NEW TRANSFORMER, CONNECTORS, AND CONDUCTORS. ALL REWORK SUBSIDIARY TO THIS PAY ITEM.
8. WHERE LED FIXTURES ARE SPECIFIED, INCLUDE ARCTIC HEATER OPTION.

Preliminary

STATE OF ALASKA 49TH
William A. Starn
EE-8223
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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 TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY CENTERLINE LIGHT SCHEDULES

DATE: OCTOBER 2023

SHEET: E27 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised: 10/23/2023 11:02 AM
Layout Name: E27
File Path and Name: J:\JobsData\30125.00 Anc. Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Schedules.dwg

TAXIWAY EDGE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE		CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
				LAMP	XFMR						
RE1	B	OMNI	L-861T	30	30/45	T-14	R	385+34.04	60.0 LT	D	
RE2	B	OMNI	L-861T	30	30/45	T-14	R	385+63.95	59.8 LT	D	
RE3	B	OMNI	L-861T	30	30/45	T-14	R	386+13.70	60.8 LT	D	
RE4	B	OMNI	L-861T	30	30/45	T-14	R	386+70.47	62.9 LT	D	
RE5	B	OMNI	L-861T	30	30/45	T-14	R	387+27.45	64.8 LT	D	
RE6	B	OMNI	L-861T	30	30/45	T-14	R	387+73.79	77.2 LT	D	
RE7	B	OMNI	L-861T	30	30/45	T-14	R	388+19.98	90.0 LT	D	
UE8	B	OMNI	L-861T	30	30/45	T-14	R	388+65.97	102.9 LT	D	
UE9	B	OMNI	L-861T	30	30/45	T-14	R	388+78.76	149.1 LT	D	
UE10	B	OMNI	L-861T	30	30/45	T-14	R	388+91.61	195.4 LT	D	
UE11	B	OMNI	L-861T	30	30/45	T-14	R	389+04.10	241.5 LT	D	
UE12	B	OMNI	L-861T	30	30/45	T-14	R	389+06.36	300.2 LT	D	
UE13	B	OMNI	L-861T	30	30/45	T-14	R	390+31.98	300.1 LT	D	
UE14	B	OMNI	L-861T	30	30/45	T-14	R	390+33.86	241.7 LT	D	
UE15	B	OMNI	L-861T	30	30/45	T-14	R	390+46.64	195.5 LT	D	
UE16	B	OMNI	L-861T	30	30/45	T-14	R	390+59.31	149.3 LT	D	
UE17	B	OMNI	L-861T	30	30/45	T-14	R	390+71.97	103.0 LT	D	
RE18	B	OMNI	L-861T	30	30/45	T-14	R	391+17.91	90.2 LT	D	
RE19	B	OMNI	L-861T	30	30/45	T-14	R	391+64.31	77.4 LT	D	
RE20	B	OMNI	L-861T	30	30/45	T-14	R	392+10.63	64.8 LT	D	
RE21	B	OMNI	L-861T	30	30/45	T-14	R	392+60.52	62.8 LT	D	
RE22	B	OMNI	L-861T	30	30/45	T-14	R	394+03.52	60.0 LT	E	
RE23	B	OMNI	L-861T	30	30/45	T-14	R	395+96.43	60.0 LT	E	
RE24	B	OMNI	L-861T	30	30/45	T-14	R	397+89.33	60.0 LT	E	
RE25	B	OMNI	L-861T	30	30/45	T-14	R	399+82.24	60.0 LT	E	
RE26	B	OMNI	L-861T	30	30/45	T-14	R	401+75.14	60.0 LT	E	
RE27	B	OMNI	L-861T	30	30/45	T-14	R	403+17.90	62.7 LT	D	
RE28	B	OMNI	L-861T	30	30/45	T-14	R	403+67.98	64.8 LT	D	
RE29	B	OMNI	L-861T	30	30/45	T-14	R	404+14.23	77.6 LT	D	
RE30	B	OMNI	L-861T	30	30/45	T-14	R	404+60.37	90.4 LT	D	
TE31	B	OMNI	L-861T	30	30/45	T-14	R	405+06.77	102.7 LT	D	
TE32	B	OMNI	L-861T	30	30/45	T-14	R	667+25.20	174.3 RT	D	
TE33	B	OMNI	L-861T	30	30/45	T-14	R	405+32.22	195.4 LT	D	
TE34	B	OMNI	L-861T	30	30/45	T-14	R	405+44.68	241.6 LT	D	
TE35	B	OMNI	L-861T	30	30/45	T-14	R	405+46.72	300.0 LT	D	
TE36	B	OMNI	L-861T	30	30/45	T-14	R	406+72.42	300.3 LT	D	
TE37	B	OMNI	L-861T	30	30/45	T-14	R	406+74.59	241.8 LT	D	
TE38	B	OMNI	L-861T	30	30/45	T-14	R	406+87.16	195.3 LT	D	
TE39	B	OMNI	L-861T	30	30/45	T-14	R	406+99.80	149.1 LT	D	
TE40	B	OMNI	L-861T	30	30/45	T-14	R	407+12.64	102.9 LT	D	
RE41	B	OMNI	L-861T	30	30/45	T-14	R	407+58.71	90.3 LT	D	
RE42	B	OMNI	L-861T	30	30/45	T-14	R	408+04.63	78.0 LT	D	
RE43	B	OMNI	L-861T	30	30/45	T-14	R	408+50.84	65.1 LT	D	
RE44	B	OMNI	L-861T	30	30/45	T-14	R	409+01.08	63.4 LT	D	
RE45	B	OMNI	L-861T	30	30/45	T-14	R	410+45.12	60.0 LT	E	
RE45A	–	–	L-867	–	–	T-14	R	410+80.42	60.2 LT	F	
RE46	B	OMNI	L-861T	30	30/45	T-14	R	412+39.20	60.0 LT	E	
RE47	B	OMNI	L-861T	30	30/45	T-14	R	414+33.28	60.0 LT	E	
RE48	B	OMNI	L-861T	30	30/45	T-14	R	416+27.36	60.0 LT	E	
RE49	B	OMNI	L-861T	30	30/45	T-14	R	418+21.44	60.0 LT	E	
RE50	B	OMNI	L-861T	30	30/45	T-14	R	419+65.20	62.9 LT	D	
RE51	B	OMNI	L-861T	30	30/45	T-14	R	420+15.32	64.7 LT	D	
RE52	B	OMNI	L-861T	30	30/45	T-14	R	420+61.26	77.6 LT	D	
RE53	B	OMNI	L-861T	30	30/45	T-14	R	421+07.66	90.6 LT	D	

TAXIWAY EDGE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE		CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
				LAMP	XFMR						
SE54	B	OMNI	L-861T	30	30/45	T-14	R	421+54.08	102.7 LT	D	
SE55	B	OMNI	L-861T	30	30/45	T-14	R	421+66.67	148.7 LT	D	
SE56	B	OMNI	L-861T	30	30/45	T-14	R	421+79.39	194.9 LT	D	
SE57	B	OMNI	L-861T	30	30/45	T-14	R	421+91.80	241.5 LT	D	
SE58	B	OMNI	L-861T	30	30/45	T-14	R	421+93.91	299.4 LT	D	
SE59	B	OMNI	L-861T	30	30/45	T-14	R	423+19.73	299.7 LT	D	
SE60	B	OMNI	L-861T	30	30/45	T-14	R	423+21.71	241.7 LT	D	
SE61	B	OMNI	L-861T	30	30/45	T-14	R	423+34.42	195.7 LT	D	
SE62	B	OMNI	L-861T	30	30/45	T-14	R	423+46.95	149.5 LT	D	
SE63	B	OMNI	L-861T	30	30/45	T-14	R	423+59.73	103.2 LT	D	
RE64	B	OMNI	L-861T	30	30/45	T-14	R	424+05.88	90.3 LT	D	
RE65	B	OMNI	L-861T	30	30/45	T-14	R	424+51.81	77.2 LT	D	
RE66	B	OMNI	L-861T	30	30/45	T-14	R	424+98.58	65.0 LT	D	
RE67	B	OMNI	L-861T	30	30/45	T-14	R	425+48.23	63.3 LT	D	
RE68	B	OMNI	L-861T	30	30/45	T-14	R	426+41.27	59.7 LT	D	
RE69	B	OMNI	L-861T	30	30/45	T-14	R	427+84.28	59.6 LT	E	
RE70	B	OMNI	L-861T	30	30/45	T-14	R	428+77.19	59.8 LT	E	
RE71	B	OMNI	L-861T	30	30/45	T-14	R	429+27.25	60.0 LT	E	
RE72	B	OMNI	L-861T	30	30/45	T-14	R	429+77.22	59.7 LT	E	
RE73	B	OMNI	L-861T	30	30/45	T-14	R	430+24.03	59.8 LT	E	
RE74	B	OMNI	L-861T	30	30/45	T-14	R	431+20.56	60.2 LT	E	
RE75	B	OMNI	L-861T	30	30/45	T-14	R	432+17.43	60.0 LT	E	
RE76	B	OMNI	L-861T	30	30/45	T-14	R	433+13.92	60.0 LT	E	
RE77	B	OMNI	L-861T	30	30/45	T-14	R	433+60.23	59.7 LT	E	
RE78	B	OMNI	L-861T	30	30/45	T-14	R	435+04.30	61.5 RT	D	
RE79	B	OMNI	L-861T	30	30/45	T-14	R	434+57.47	63.1 RT	D	
RE80	B	OMNI	L-861T	30	30/45	T-14	R	434+10.37	64.7 RT	D	
RE81	B	OMNI	L-861T	30	30/45	T-14	R	433+64.65	77.9 RT	D	
RE82	B	OMNI	L-861T	30	30/45	T-14	R	433+18.27	90.5 RT	D	
RE83	B	OMNI	L-861T	30	30/45	T-14	R	432+72.03	103.4 RT	D	
RE84	B	OMNI	L-861T	30	30/45	T-14	R	432+58.20	153.0 RT	D	
RE85	B	OMNI	L-861T	30	30/45	T-14	R	432+44.63	202.5 RT	D	
RE86	B	OMNI	L-861T	30	30/45	T-14	R	430+93.06	201.3 RT	D	
RE87	B	OMNI	L-861T	30	30/45	T-14	R	430+79.34	151.2 RT	D	
RE88	B	OMNI	L-861T	30	30/45	T-14	R	430+65.82	102.9 RT	D	
RE89	B	OMNI	L-861T	30	30/45	T-14	R	430+19.94	90.4 RT	D	
RE90	B	OMNI	L-861T	30	30/45	T-14	R	429+73.79	77.6 RT	D	
RE91	B	OMNI	L-861T	30	30/45	T-14	R	429+27.68	64.7 RT	D	
RE92	B	OMNI	L-861T	30	30/45	T-14	R	428+77.45	62.7 RT	D	
RE93	B	OMNI	L-861T	30	30/45	T-14	R	427+84.48	59.8 RT	D	
RE94	B	OMNI	L-861T	30	30/45	T-14	R	426+41.33	59.6 RT	D	
RE95	B	OMNI	L-861T	30	30/45	T-14	R	426+48.12	63.0 RT	D	
RE96	B	OMNI	L-861T	30	30/45	T-14	R	424+98.64	64.6 RT	D	
RE97	B	OMNI	L-861T	30	30/45	T-14	R	424+52.43	77.7 RT	D	
RE98	B	OMNI	L-861T	30	30/45	T-14	R	424+05.70	90.4 RT	D	
SE99	B	OMNI	L-861T	30	30/45	T-14	R	423+59.69	103.2 RT	D	
SE100	B	OMNI	L-861T	30	30/45	T-14	R	423+47.03	149.5 RT	D	
SE101	B	OMNI	L-852T(L)	56 (LED)	65	T-14	R	423+34.45	195.3 RT	A	8
SE102	B	OMNI	L-861T	30	30/45	T-14	R	423+21.63	241.4 RT	D	
SE103	B	OMNI	L-861T	30	30/45	T-14	R	421+92.30	242.6 RT	D	
SE104	B	OMNI	L-852T(L)	56 (LED)	65	T-14	R	421+79.21	195.9 RT	A	8
SE105	B	OMNI	L-861T	30	30/45	T-14	R	421+66.67	149.4 RT	D	
SE106	B	OMNI	L-861T	30	30/45	T-14	R	421+53.62	103.1 RT	D	
RE107	B	OMNI	L-861T	30	30/45	T-14	R	421+07.56	90.5 RT	D	

SCOPE OF WORK SUMMARY

WORK SCOPE	DESCRIPTION	REF. ITEM NO.	REF. DETAIL
A	FLUSH TW LIGHT REFURBISH	L125.600.0040	4/E31
D	L-861T TW EDGE LIGHT REFURBISH	L125.600.0010	1/E33
E	L-861T TW EDGE LIGHT IN HMA	L125.040.0000	1/E33
F	L-867 BASE CAN IN HMA	L125.150.0000	1/E35

NOTES:

8. WHERE LED FIXTURES ARE SPECIFIED, INCLUDE ARCTIC HEATER OPTION.

PRELIMINARY NOT FOR CONSTRUCTION

STATE OF ALASKA
49TH
William A. Starn
EE-8223
REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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#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 TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY EDGE LIGHT SCHEDULES

DATE: OCTOBER 2023

SHEET: E28 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised: 10/23/2023 11:02 AM
Layout Name: E28
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Schedules.dwg

TAXIWAY EDGE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE		CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
				LAMP	XFMR						
RE108	B	OMNI	L-861T	30	30/45	T-14	R	420+61.67	77.9 RT	D	
RE109	B	OMNI	L-861T	30	30/45	T-14	R	420+15.20	65.0 RT	D	
RE110	B	OMNI	L-861T	30	30/45	T-14	R	419+65.26	63.1 RT	D	
RE111	B	OMNI	L-861T	30	30/45	T-14	R	418+21.44	60.0 RT	E	
RE112	B	OMNI	L-861T	30	30/45	T-14	R	416+27.36	60.0 RT	E	
RE113	B	OMNI	L-861T	30	30/45	T-14	R	414+33.28	60.0 RT	E	
RE114	B	OMNI	L-861T	30	30/45	T-14	R	412+39.20	60.0 RT	E	
RE114A	–	–	L-867	–	–	T-14	R	410+80.26	60.0 RT	F	
RE115	B	OMNI	L-861T	30	30/45	T-14	R	410+44.79	60.0 RT	E	
RE116	B	OMNI	L-861T	30	30/45	T-14	R	409+34.79	60.0 RT	E	
RE117	B	OMNI	L-861T	30	30/45	T-14	R	408+84.79	60.0 RT	E	
RE118	B	OMNI	L-861T	30	30/45	T-14	R	408+41.79	70.8 RT	E	
RE119	B	OMNI	L-861T	30	30/45	T-14	R	407+98.79	81.6 RT	E	
RE120	B	OMNI	L-861T	30	30/45	T-14	R	407+55.79	92.4 RT	E	
TE121	B	OMNI	L-861T	30	30/45	T-14	R	668+28.44	103.2 LT	E	
TE122	B	OMNI	L-861T	30	30/45	T-14	R	668+71.36	92.5 LT	E	
TE123	B	OMNI	L-852T(L)	56 (LED)	65	T-14	R	669+14.28	81.7 LT	B	8
TE124	B	OMNI	L-861T	30	30/45	T-14	R	669+57.20	70.9 LT	E	
TE125	B	OMNI	L-861T	30	30/45	T-14	R	670+00.12	60.1 LT	E	
TE126	B	OMNI	L-861T	30	30/45	T-14	R	670+50.28	64.2 LT	E	
TE127	B	OMNI	L-861T	30	30/45	T-14	R	670+92.59	60.1 RT	E	
TE128	B	OMNI	L-861T	30	30/45	T-14	R	670+46.47	60.1 RT	E	
TE129	B	OMNI	L-861T	30	30/45	T-14	R	670+00.35	60.0 RT	E	
TE130	B	OMNI	L-861T	30	30/45	T-14	R	669+57.37	70.8 RT	E	
TE131	B	OMNI	L-861T	30	30/45	T-14	R	669+14.39	81.6 RT	E	
TE132	B	OMNI	L-861T	30	30/45	T-14	R	668+71.42	92.4 RT	E	
TE133	B	OMNI	L-861T	30	30/45	T-14	R	668+28.44	103.2 RT	E	
RE134	B	OMNI	L-861T	30	30/45	T-14	R	404+63.32	92.4 RT	E	
RE135	B	OMNI	L-861T	30	30/45	T-14	R	404+20.31	81.6 RT	E	
RE136	B	OMNI	L-861T	30	30/45	T-14	R	403+77.31	70.8 RT	E	
RE137	B	OMNI	L-861T	30	30/45	T-14	R	403+34.29	60.0 RT	E	
RE138	B	OMNI	L-861T	30	30/45	T-14	R	402+84.29	60.0 RT	E	
RE139	B	OMNI	L-861T	30	30/45	T-14	R	401+75.10	60.0 RT	E	
RE140	B	OMNI	L-861T	30	30/45	T-14	R	399+82.20	60.0 RT	E	
RE141	B	OMNI	L-861T	30	30/45	T-14	R	397+89.33	60.0 RT	E	
RE142	B	OMNI	L-861T	30	30/45	T-14	R	395+96.42	60.0 RT	E	
RE143	B	OMNI	L-861T	30	30/45	T-14	R	394+03.52	60.0 RT	E	
RE144	B	OMNI	L-861T	30	30/45	T-14	R	392+94.19	60.0 RT	E	
RE145	B	OMNI	L-861T	30	30/45	T-14	R	392+44.19	60.0 RT	E	
RE146	B	OMNI	L-861T	30	30/45	T-14	R	392+01.19	70.8 RT	E	
RE147	B	OMNI	L-861T	30	30/45	T-14	R	391+58.20	81.6 RT	E	
RE148	B	OMNI	L-861T	30	30/45	T-14	R	391+15.21	92.4 RT	E	
UE149	B	OMNI	L-861T	30	30/45	T-14	U	81+03.24	103.2 LT	E	
UE150	B	OMNI	L-861T	30	30/45	T-14	U	81+46.24	92.4 LT	E	
UE151	B	OMNI	L-861T	30	30/45	T-14	U	81+89.24	81.6 LT	E	
UE152	B	OMNI	L-861T	30	30/45	T-14	U	82+32.24	70.8 LT	E	
UE153	B	OMNI	L-861T	30	30/45	T-14	U	82+75.24	60.0 LT	E	
UE154	B	OMNI	L-861T	30	30/45	T-14	U	83+25.02	60.0 LT	E	
UE155	B	OMNI	L-861T	30	30/45	T-14	U	83+74.82	60.0 LT	E	
UE156	B	OMNI	L-861T	30	30/45	T-14	U	84+24.61	60.0 LT	E	
UE157	B	OMNI	L-861T	30	30/45	T-14	U	84+73.93	63.9 LT	E	
UE158	B	OMNI	L-861T	30	30/45	T-14	U	85+23.25	67.8 LT	E	
UE159	B	OMNI	L-861T	30	30/45	T-14	U	85+72.58	71.7 LT	E	
UE160	B	OMNI	L-861T	30	30/45	T-14	U	86+21.90	75.6 LT	E	

TAXIWAY EDGE LIGHT SCHEDULE

FIXT NO.	LENS COLOR	BEAM TYPE	FAA TYPE	WATTAGE		CIRCUIT	TW	STATION	OFFSET	WORK SCOPE	SEE NOTE
				LAMP	XFMR						
UE161	B	OMNI	L-861T	30	30/45	T-14	U	86+57.02	87.6 LT	E	
UE162	B	OMNI	L-861T	30	30/45	T-14	U	86+82.00	115.1 LT	E	
UE163	B	OMNI	L-861T	30	30/45	T-14	U	86+91.17	149.8 LT	E	
UE164	B	OMNI	L-861T	30	30/45	T-14	U	88+50.91	149.5 LT	E	
UE165	B	OMNI	L-861T	30	30/45	T-14	U	88+63.04	105.3 LT	E	
UE166	B	OMNI	L-861T	30	30/45	T-14	U	88+96.10	72.1 LT	E	
UE167	B	OMNI	L-861T	30	30/45	T-14	U	89+40.83	59.9 LT	E	
UE168	B	OMNI	L-861T	30	30/45	T-14	U	90+25.87	60.0 LT	E	
UE169	B	OMNI	L-861T	30	30/45	T-14	U	91+10.91	60.1 LT	E	
UE170	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	91+10.99	157.2 RT	B	7, 8
UE171	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	91+10.97	109.8 RT	B	7,8
UE172	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	91+11.10	59.9 RT	B	7,8
UE173	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	90+61.10	60.0 RT	B	7,8
UE174	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	90+18.23	60.0 RT	B	7,8
UE175	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	89+25.35	60.0 RT	B	7,8
UE176	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	88+32.48	60.0 RT	B	7,8
UE177	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	87+39.61	60.0 RT	B	7,8
UE178	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	86+46.73	60.0 RT	B	7,8
UE179	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	85+53.86	60.0 RT	B	7,8
UE180	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	84+60.99	60.0 RT	B	7,8
UE181	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	83+68.11	60.0 RT	B	7,8
UE182	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	83+25.24	60.0 RT	B	7,8
UE183	B	OMNI	L-852T(L)	56 (LED)	65	T-14	U	82+75.24	60.0 RT	B	7,8
UE184	B	OMNI	L-861T	30	30/45	T-14	U	82+32.24	70.8 RT	E	
UE185	B	OMNI	L-861T	30	30/45	T-14	U	81+89.24	81.6 RT	E	
UE186	B	OMNI	L-861T	30	30/45	T-14	U	81+46.24	92.4 RT	E	
UE187	B	OMNI	L-861T	30	30/45	T-14	U	81+03.24	103.2 RT	E	
RE188	B	OMNI	L-861T	30	30/45	T-14	R	388+22.87	92.4 RT	E	
RE189	B	OMNI	L-861T	30	30/45	T-14	R	387+79.97	81.7 RT	E	
RE190	B	OMNI	L-861T	30	30/45	T-14	R	387+37.09	70.9 RT	E	
RE191	B	OMNI	L-861T	30	30/45	T-14	R	386+94.21	60.1 RT	E	
RE192	B	OMNI	L-861T	30	30/45	T-14	R	386+54.79	64.0 RT	E	
RE193	B	OMNI	L-861T	30	30/45	T-15	R	386+14.20	68.3 RT	E	

SCOPE OF WORK SUMMARY

WORK SCOPE	DESCRIPTION	REF. ITEM NO.	REF. DETAIL
A	FLUSH TW LIGHT REFURBISH	L125.600.0040	4/E31
B	FLUSH TW LIGHT IN PCC	L125.095.0000	1/E30
D	L-861T TW EDGE LIGHT REFURBISH	L125.600.0010	1/E33
E	L-861T TW EDGE LIGHT IN HMA	L125.040.0000	1/E33
F	L-867 BASE CAN IN HMA	L125.150.0000	1/E35

NOTES:

7. PROVIDE FLUSH TAXIWAY EDGE LIGHT RATED FOR HEAVY AIRCRAFT ROLLOVER WHEEL LOADS.
8. WHERE LED FIXTURES ARE SPECIFIED, INCLUDE ARCTIC HEATER OPTION.

Preliminary

STATE OF ALASKA
49TH
William A. Starn
EE-8223
REGISTERED PROFESSIONAL ENGINEER

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

BY	DATE	REVISION

STATE OF ALASKA
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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
TAXIWAY EDGE LIGHT SCHEDULES

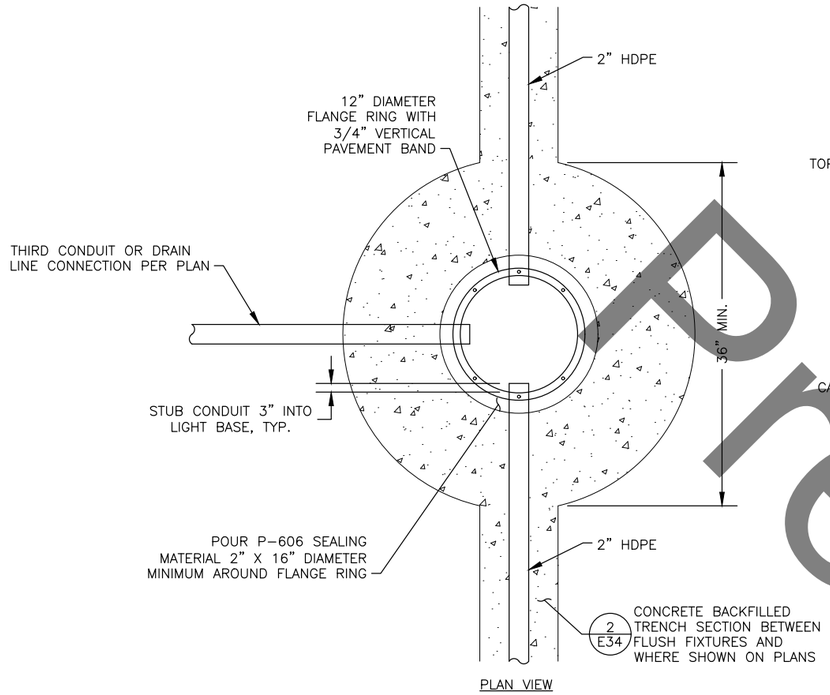
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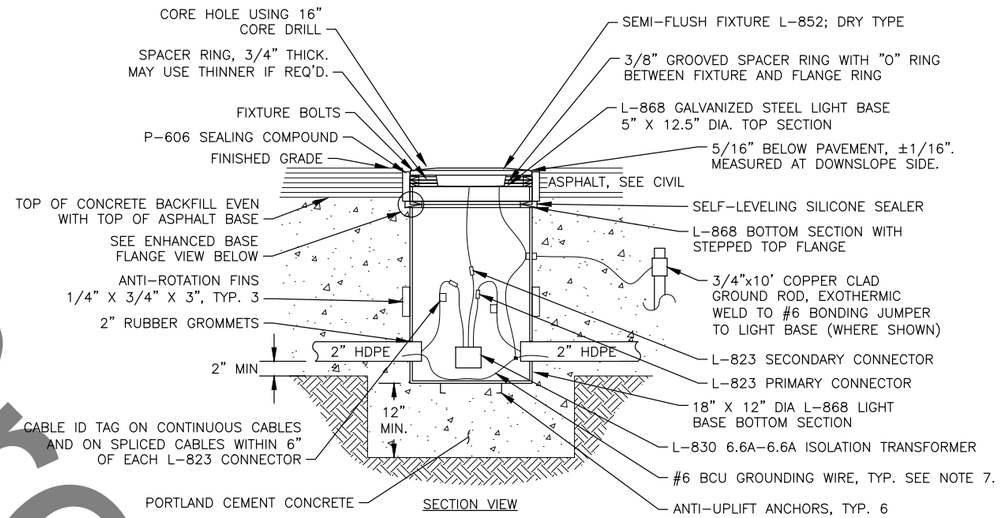
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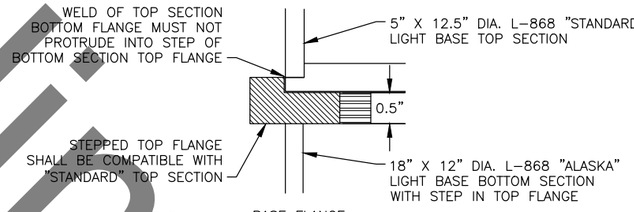
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Checked By: WS

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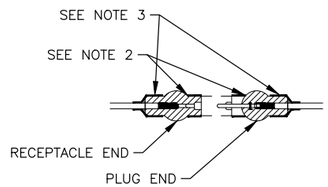


DETAIL 1 & 2 NOTES:

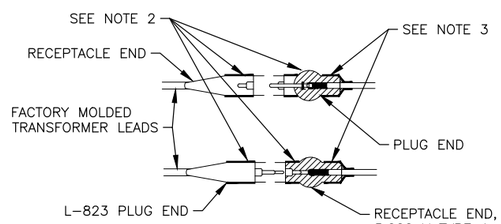
1. SEALING MATERIAL SHALL BE AN APPROVED PRODUCT MEETING FEDERAL STANDARD P-606.
2. PROVIDE SELF-LEVELING SILICONE SEALER AT THE INTERFACE OF THE TOP SECTION AND BASE CAN ONLY.
3. CONDUIT SHALL GENERALLY MATCH GRADING OF THE RUNWAY OR TAXIWAY SURFACE EXCEPT PROVIDE MINIMUM 0.25% SLOPE TO CROWN BETWEEN 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.
4. ALL CONDUIT AND NEW FIXTURE BOTTOM SECTIONS SHALL BE INSTALLED BEFORE INSTALLATION AND APPLICATION OF TYPE V PAVING ASPHALT.
5. CONCRETE SHALL BE SEALED WITH AN APPROVED PRODUCT MEETING FEDERAL STANDARDS. SEALANT TO BE APPLIED AFTER CONCRETE IS FULLY CURED.
6. LEAVE SUFFICIENT SLACK IN POWER FEED AND GROUND CONDUCTORS TO MAKE CONNECTIONS 2 FEET ABOVE GRADE. LEAVE SLACK IN RETURN/LOOP CONDUCTORS TO REACH 2 FOOT ABOVE GRADE FROM CENTER OF SLACK CONDUCTOR.
7. 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.

1 E30 RECESSED LIGHT – PLAN VIEW
SCALE: NTS

2 E30 RECESSED LIGHT – SECTION VIEW
SCALE: NTS



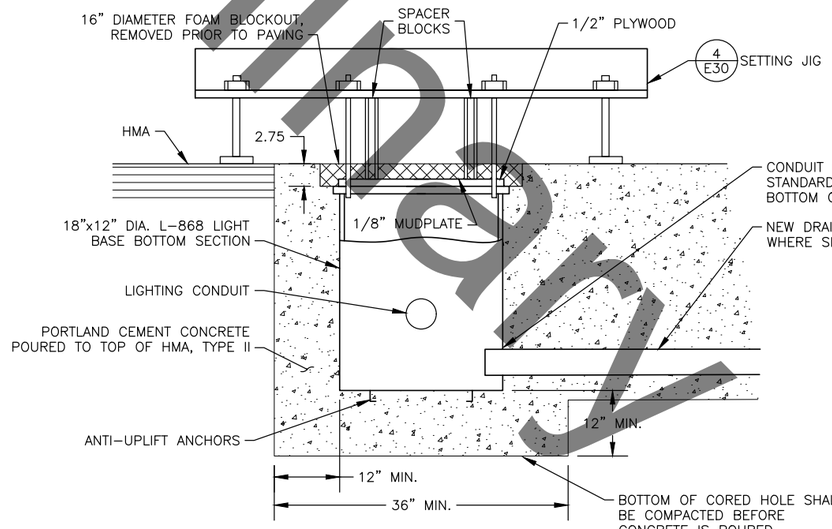
TYPE B
FOR SPLICES FOR USE AT TEST POINTS, JUNCTION OF HOMERUN WITH LOOP CIRCUITS, AND SPLICES IN HOMERUN CABLES



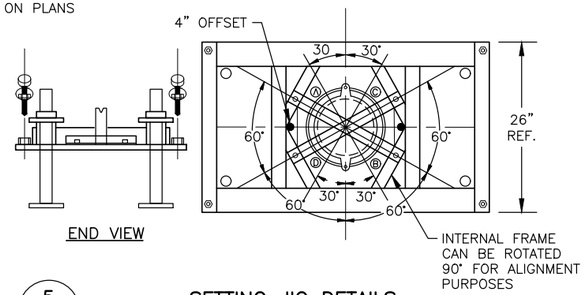
TYPE C
FOR SPLICES AT TAXIWAY LIGHTS*

*HEAT SHRINK TUBING MUST NOT BE USED ON SPLICE KITS

3 E30 L-823 PRIMARY CABLE CONNECTOR DETAIL
SCALE: NTS



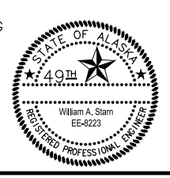
4 E30 LIGHT BASE SETTING JIG DETAIL
SCALE: NTS



5 E30 SETTING JIG DETAILS
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.



Preliminary

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Drawn By: SS
Checked By: WS

Date Revised: 10/23/2023 9:43 AM
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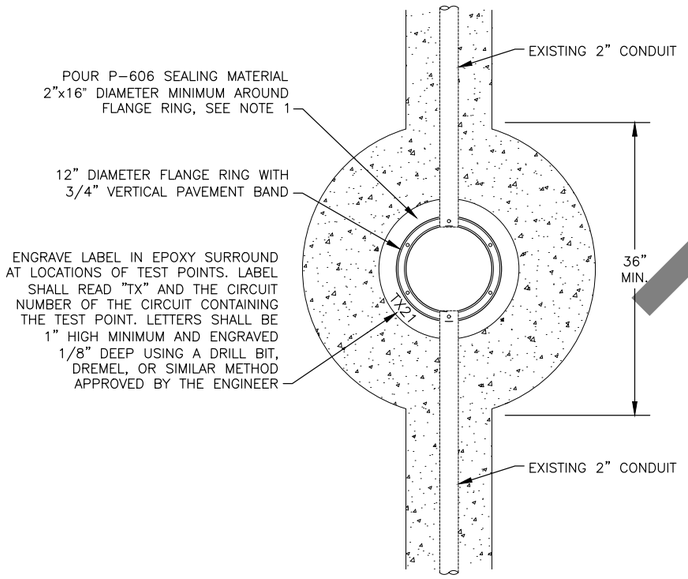
PLANS DEVELOPED BY:
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3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

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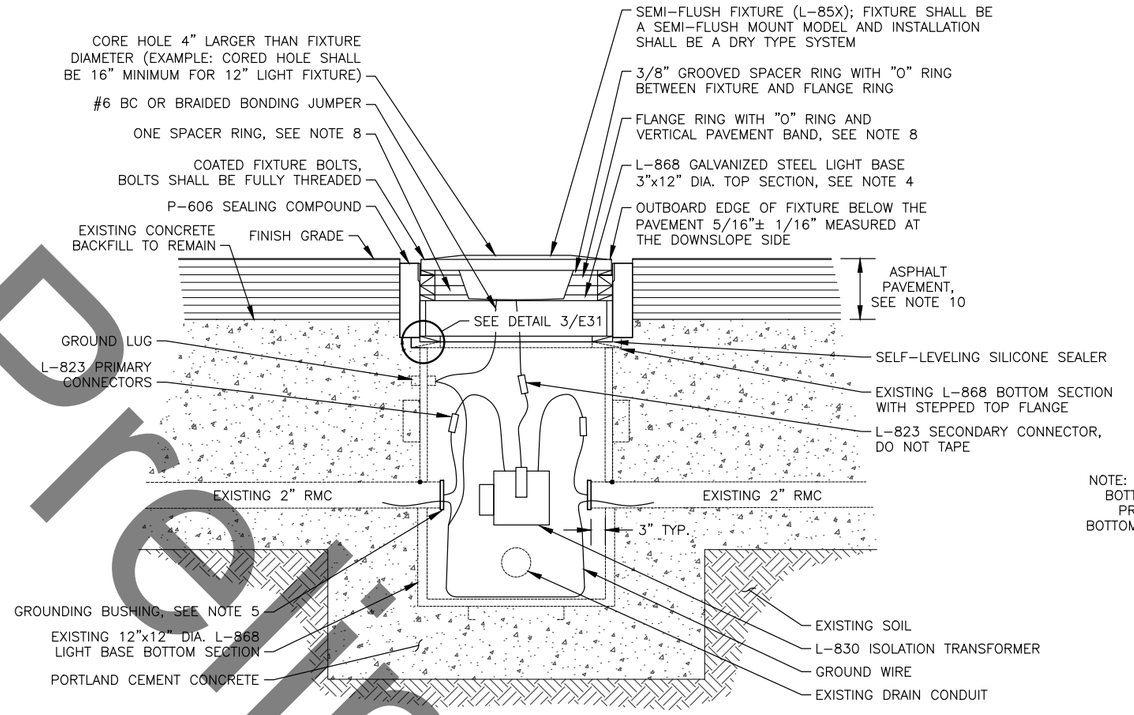
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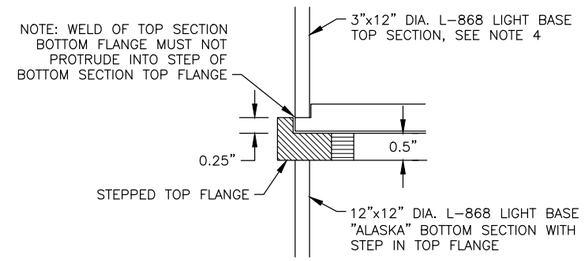
DATE: OCTOBER 2023
SHEET: E30 OF E37



1 E31 RECESSED LIGHT ADJUSTMENT – PLAN VIEW
SCALE: NTS



2 E31 RECESSED LIGHT ADJUSTMENT – SECTION VIEW
SCALE: NTS



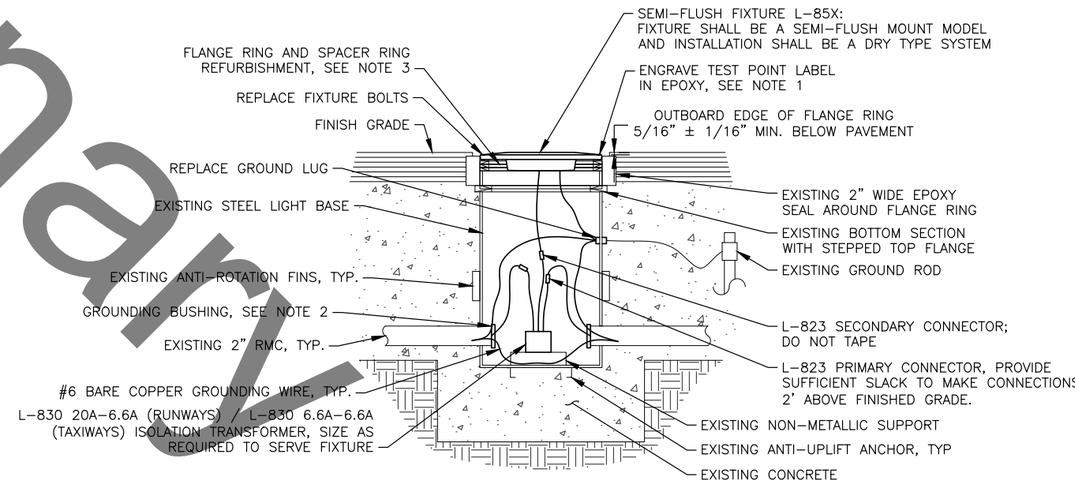
3 E31 BASE FLANGE DETAIL
SCALE: NTS

RECESSED LIGHT ADJUSTMENT:

1. SEALING PRODUCT SHALL BE AN APPROVED PRODUCT MEETING FEDERAL STANDARD P-606. ANNULUS TO BE CLEAN AND DRY PRIOR TO POURING PRODUCT. MIX AND APPLY USING MANUFACTURER EQUIPMENT AND PROCEDURES.
2. SELF-LEVELING SILICONE SEALER SHALL BE GE BRAND RTV118 OR APPROVED EQUAL. NO SELF-LEVELING SILICONE SEALER SHALL BE INSTALLED BETWEEN TOP FLANGE OF TOP SECTION, SPACER RINGS, AND FLANGE RING.
3. FIXTURE SHALL BE A SEMI-FLUSH MOUNT MODEL AND INSTALLATION SHALL BE A DRY TYPE SYSTEM.
4. LIGHT BASE TOP SECTION SHALL BE COMPATIBLE WITH STEP FLANGE OF EXISTING "ALASKA" BOTTOM SECTION. UNLESS OTHERWISE INDICATED, EXISTING TOP SECTIONS ARE OLDER STYLE 12" DIAMETER "ALASKA" TOP SECTIONS. MOST EXISTING TOP SECTIONS ARE 3" HIGH, HOWEVER SOME MAY BE 2" HIGH. WITH THE INCREASE IN ASPHALT THICKNESS, IT IS ANTICIPATED THAT ALL NEW TOP SECTIONS WILL BE 3".
5. REMOVE EXISTING GROUNDING BUSHINGS, CLEAN CONDUIT THREADS, AND INSTALL NEW GROUNDING BUSHINGS.
6. FIXTURE BOLTS FOR RECESSED LIGHTS SHALL BE FLUOROPOLYMER COATED, A MAXIMUM OF 3.5" LONG. NO ANTI-SIEZE SHALL BE INSTALLED ON COATED BOLTS.
7. CIRCUIT GROUND WIRE ROUTED IN CONDUIT SHALL BE CONTINUOUS THROUGH LIGHT BASE OR JOINED USING IRREVERSIBLE COMPRESSION CONNECTORS AND SHALL NOT RELY ON LIGHT BASE GROUND LUG FOR CONTINUITY.
8. BASIS OF DESIGN IS 3/4" THICK FLANGE RING AND 3/4" SPACER RING. WHEN APPROVED BY THE ENGINEER, THINNER RINGS MAY BE UTILIZED IF REQUIRED TO MEET SPECIFIED FIXTURE ELEVATION.
9. 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 FOOT ABOVE GRADE WITH CENTER OF SLACK CONDUCTOR.
10. VARY ASPHALT MILL DEPTH TO ALL RECESSED CENTERLINE LIGHTS SCHEDULED FOR ADJUSTMENT AND REFURBISHMENT, SEE DETAIL 1 SHEET E32.

RECESSED LIGHT REFURBISHMENT NOTES:

1. PROVIDE A TEST POINT AT EVERY 10TH LIGHT CAN SCHEDULED FOR WORK OR AS DIRECTED BY THE ENGINEER. ENGRAVE LABEL AT LOCATIONS OF TEST POINTS. LABEL SHALL READ "TX" AND THE CIRCUIT NUMBER OF THE CIRCUIT CONTAINING THE TEST POINT. LETTERS SHALL BE 1" HIGH MINIMUM AND ENGRAVED 1/8" DEEP USING A DRILL BIT, DREMEL, OR SIMILAR METHOD APPROVED BY THE ENGINEER. REMOVE OLD TEST POINT LABELS WITH A GRINDER OR SIMILAR METHOD APPROVED BY THE ENGINEER.
2. REMOVE EXISTING GROUNDING BUSHINGS, CLEAN CONDUIT THREADS, AND INSTALL NEW GROUNDING BUSHINGS.
3. SET LIGHT FIXTURE FOR DRY SYSTEM WITH HEIGHT ADJUSTMENT PROVISIONS AS FOLLOWS:
   - ALL FIXTURES: PROVIDE 1/2" THICK FLANGE RING WITH "O-RING".
   - FIXTURES OUTSIDE RUNWAY EDGE: PROVIDE 1/2" THICK 3/8" GROOVED SPACER RING WITH "O-RING" BETWEEN FIXTURE AND FLANGE RING (ABOVE FLANGE RING).
   - FIXTURES WITHIN RUNWAY EDGE: PROVIDE STANDARD SPACER RING BELOW FLANGE RING.



4 E31 RECESSED LIGHT REFURBISHMENT
SCALE: NTS

Preliminary

STATE OF ALASKA 49TH — William A. Starn EE-8223 — REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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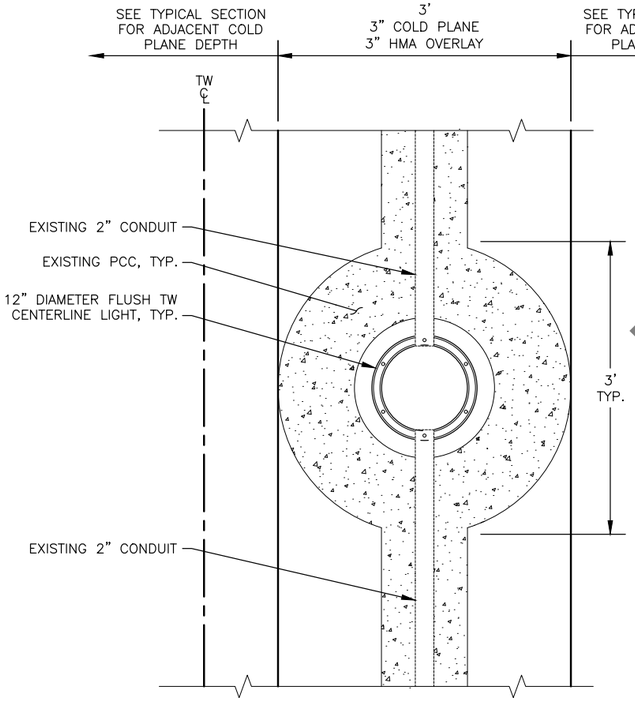
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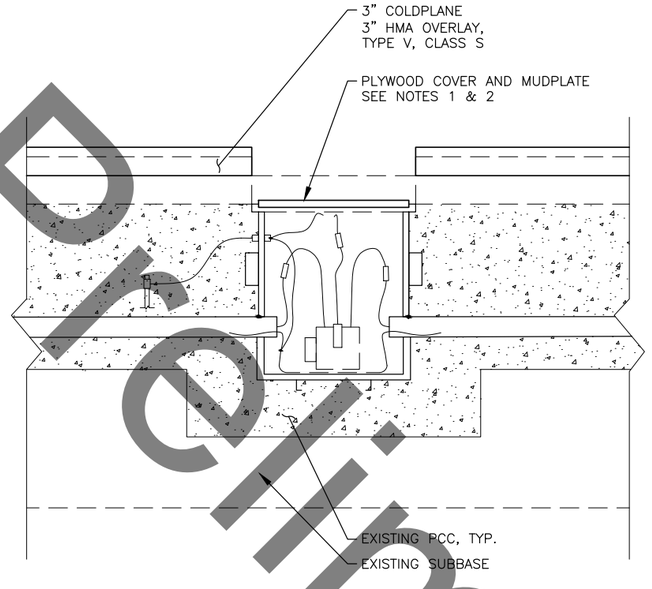
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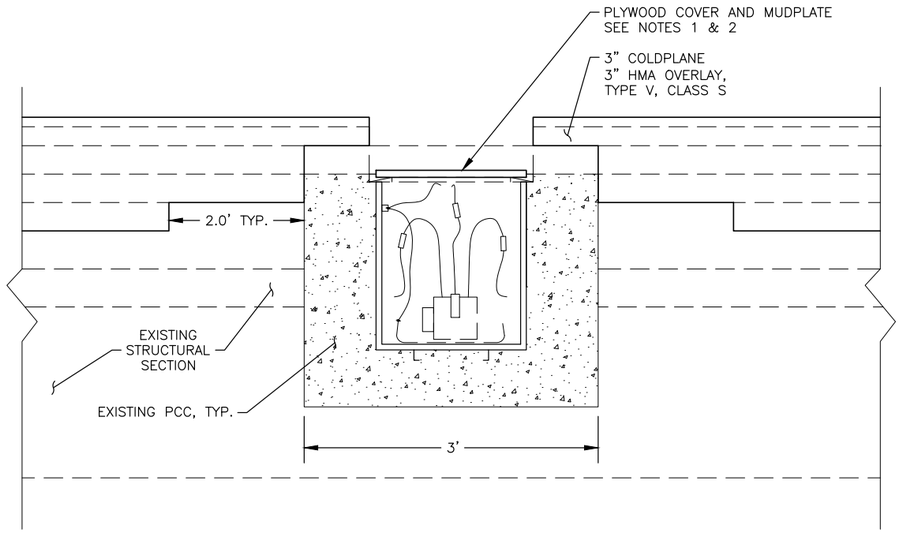
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PLAN



PROFILE



SECTION

1
E32

COLD PLANE DETAIL AT CENTERLINE LIGHTS AND LIGHT TRENCH

SCALE: NTS

Preliminary

COLD PLANE DETAIL NOTES:

1. SEE ELECTRICAL PLAN SHEETS FOR ADJUSTMENT AND REFURBISHMENT LIGHTS THAT REQUIRE THIS WORK.
2. TOP SECTIONS OF TAXIWAY CENTERLINE LIGHTS MUST BE REMOVED AND PLYWOOD COVER AND MUDPLATE INSTALLED PRIOR TO COLD PLANING ON TAXIWAY CENTERLINE. A 3 FEET WIDE STRIP SURROUNDING THE LIGHTS MUST BE COLD PLANED 3 INCHES AND OVERLAID WITH THE FINAL 3 INCH LIFT OF HMA, TYPE V, CLASS S. MOST EXISTING TOP SECTIONS ARE 3 INCH TALL, HOWEVER, SOME MAY BE 2 INCH TALL. VERIFY DEPTH TO BOTTOM SECTION PRIOR TO COLD PLANING TO PREVENT DAMAGE.

STATE OF ALASKA 49TH REGISTERED PROFESSIONAL ENGINEER William A. Starn EE-8223

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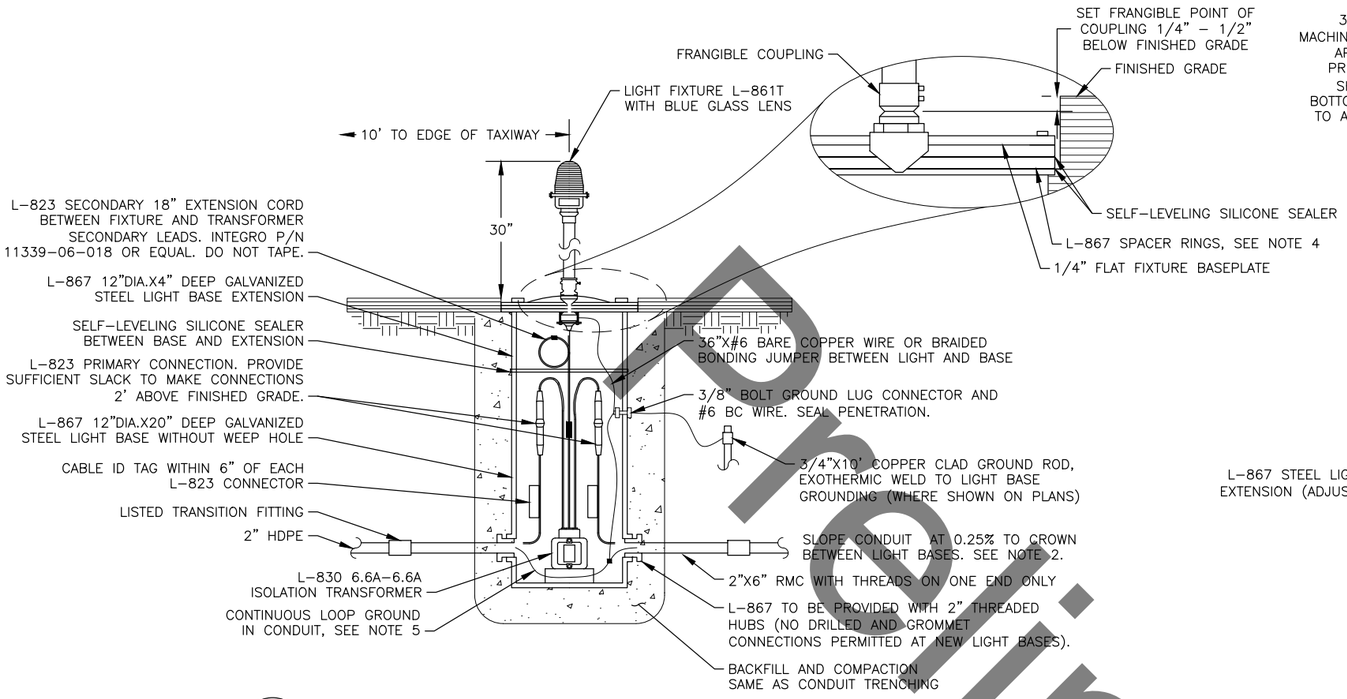
TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL DETAILS

DATE: OCTOBER 2023

SHEET: E32 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

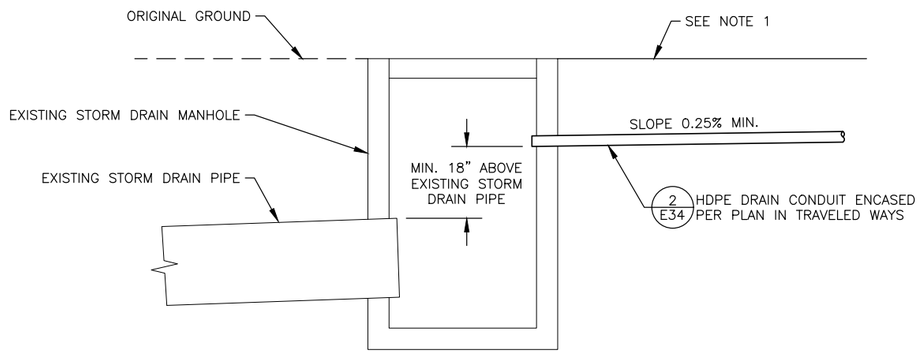
Date Revised: 10/23/2023 9:43 AM
Layout Name: E32
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Details.dwg



1 / E33 — ELEVATED TAXIWAY EDGE LIGHT
SCALE: NTS

DETAIL 1 NOTES:

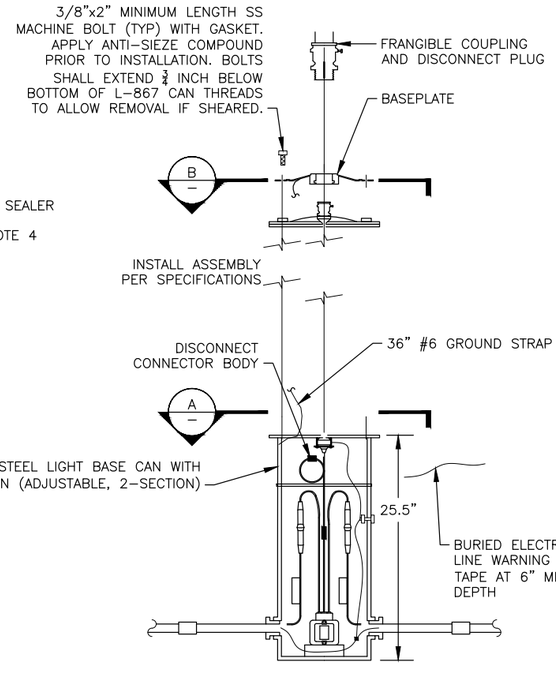
1. SEALING MATERIAL SHALL BE AN APPROVED PRODUCT MEETING FEDERAL STANDARD P–606.
2. CONDUIT SHALL GENERALLY MATCH GRADING OF THE RUNWAY OR TAXIWAY SURFACE EXCEPT PROVIDE MINIMUM 0.25% SLOPE TO CROWN BETWEEN BASES FOR DRAINAGE, AND SLOPED TO LOW POINT DRAINS WHERE SHOWN ON PLANS. WHERE 0.25% CONDUIT DRAIN 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.

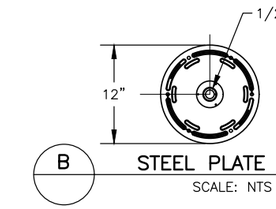


3 / E33 — DRAIN CONDUIT DETAIL
SCALE: NTS

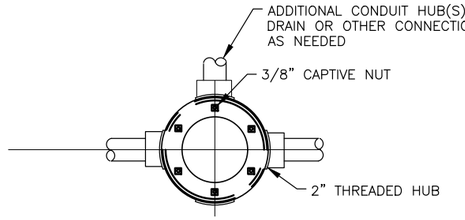
DETAIL 3 NOTES:

1. IN AREAS OF NEW CONSTRUCTION, SEE CIVIL FOR SURFACING. IN EXISTING AREAS, MATCH EXISTING SURFACING.



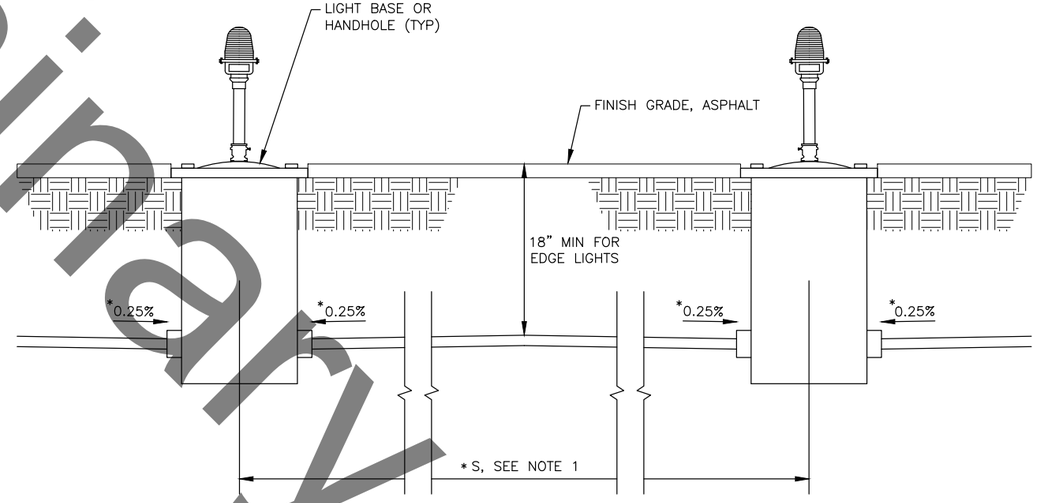


B — STEEL PLATE PLAN
SCALE: NTS



A — STEEL LIGHT BASE CAN PLAN
SCALE: NTS

2 / E33 — L-867 STEEL LIGHT BASE EDGE LIGHT CAN DETAIL
SCALE: NTS



4 / E33 — TYPICAL INTERCONNECTION DETAIL
SCALE: NTS

DETAIL 4 NOTES:

*1. CONDUIT SLOPE FOLLOWS FINISH GRADE TO DRAIN TO DESIGNATED LIGHT BASES PROVIDED WITH DAYLIGHT DRAINS AS SHOWN ON PLANS. IF 'S' IS LESS THAN 20', OR IF 0.25% SLOPE CAN BE MAINTAINED IN ONE DIRECTION DUE TO SLOPE OF FINISH GRADE, LAY CONDUIT STRAIGHT WITHOUT CROWN BETWEEN BASES/HANDHOLES.

Preliminary

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CONDUIT TRENCH NOTES:

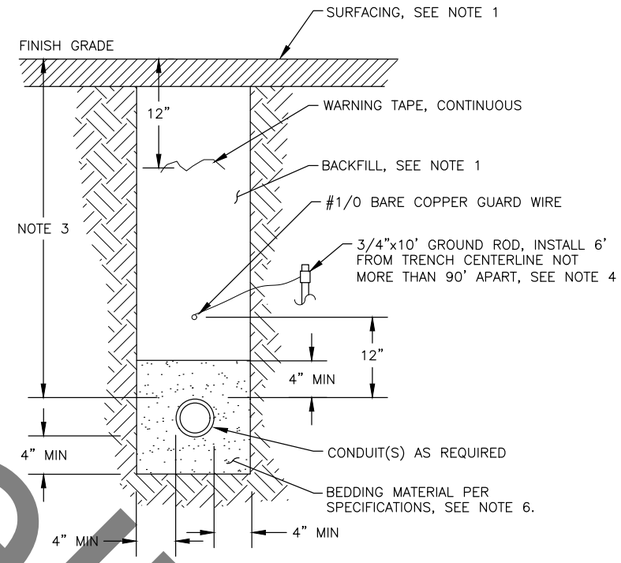
1. IN AREAS OF NEW CONSTRUCTION, SEE CIVIL TYPICAL SECTIONS FOR SURFACING AND BACKFILL. IN EXISTING AREAS, MATCH EXISTING SURFACING AND BACKFILL WITH EXISTING MATERIALS REMOVED FROM TRENCH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. SEPARATION BETWEEN CONDUITS SHALL BE AS FOLLOWS:
   - –CONDUIT OF 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.

CONCRETE ENCASED CONDUIT NOTES:

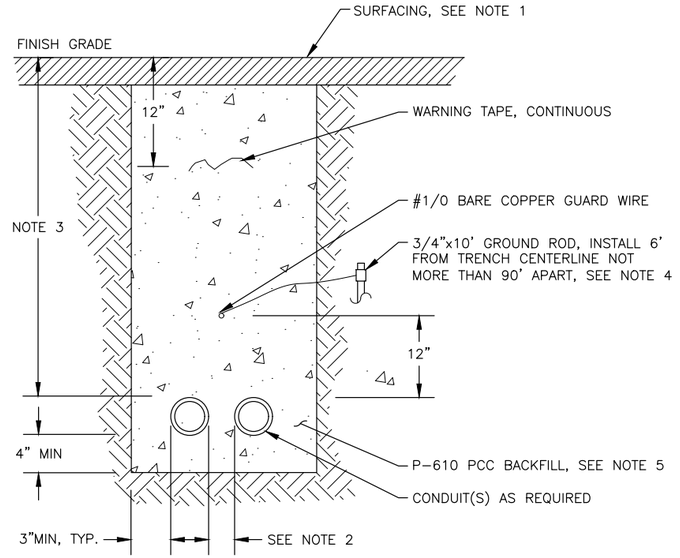
1. IN AREAS OF NEW CONSTRUCTION, SEE CIVIL FOR SURFACING. IN EXISTING AREAS, MATCH EXISTING SURFACING.
2. SEPARATION BETWEEN CONDUITS SHALL BE AS FOLLOWS:
   - –CONDUIT OF SAME TYPE (POWER OR SIGNAL) – 1–1/2"
   - –AIRPORT LIGHTING AND FAA CONDUITS – 12" MIN
   - –PRIMARY POWER AND ANY OTHER CONDUIT – 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"
   - –AIRPORT LIGHTING DUCTBANKS – 24"
   - –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. BACKFILL WITH CONCRETE TO LEVEL OF MILLED ASPHALT OR BASE MATERIAL BELOW SURFACE ASPHALT.
6. WIDTH OF TRENCH AND NUMBER OF CONDUITS PER TRENCH TO BE DETERMINED IN FIELD (2 SHOWN).

ELECTRICAL TRENCH DEMOLITION NOTES:

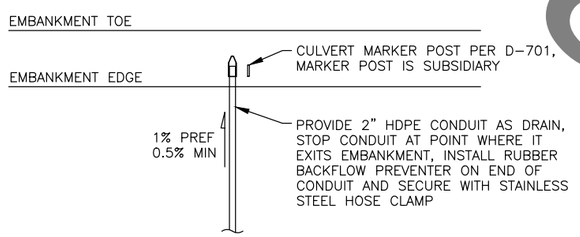
1. TRENCH DEPTH SHALL BE APPROXIMATELY 30" DEEP FROM TOP OF EXISTING GROUND OR AS REQUIRED FOR REMOVAL OF EXISTING LIGHT BASES, CONDUIT, AND CONCRETE.
2. SEE ELECTRICAL DEMOLITION PLANS FOR ELECTRICAL DEMOLITION TRENCH LIMITS.
3. SEE CIVIL FOR SURFACING.



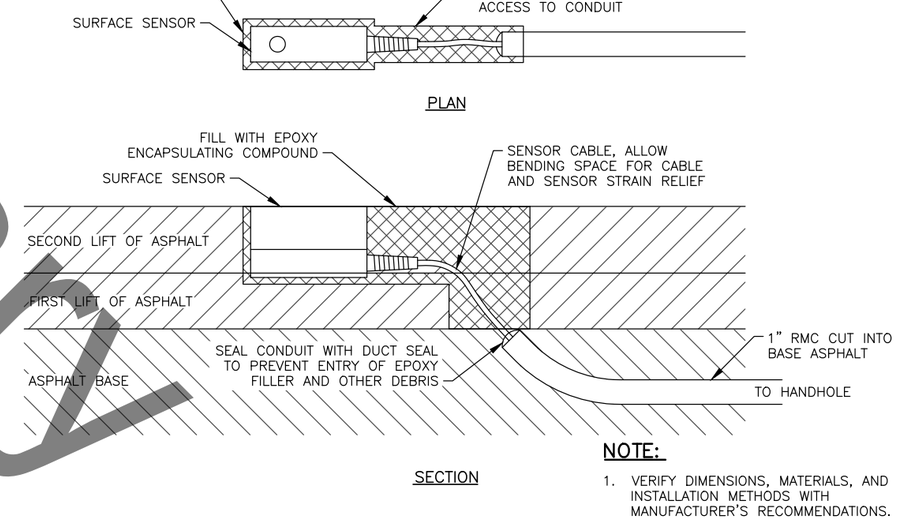
1 / E34 TYPICAL CONDUIT TRENCH DETAIL
SCALE: NTS



2 / E34 CONCRETE ENCASED CONDUIT DETAIL
SCALE: NTS



3 / E34 CONDUIT DRAIN DETAIL
SCALE: NTS



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

4 / E34 SURFACE SENSOR INSTALLATION DETAIL
SCALE: NTS

Preliminary

STATE OF ALASKA · 49TH · William A. Starn EE-8223 · REGISTERED PROFESSIONAL ENGINEER

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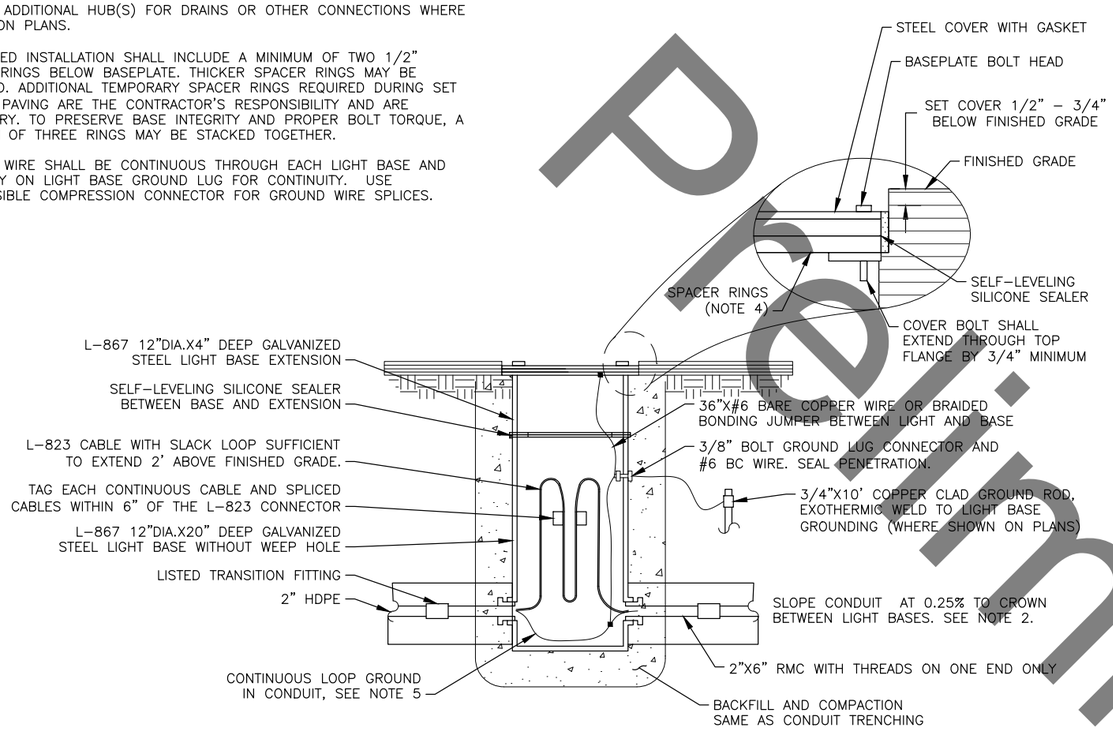
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DETAIL 1 NOTES:

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3. PROVIDE ADDITIONAL HUB(S) FOR DRAINS OR OTHER CONNECTIONS WHERE SHOWN ON PLANS.
4. 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.
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.

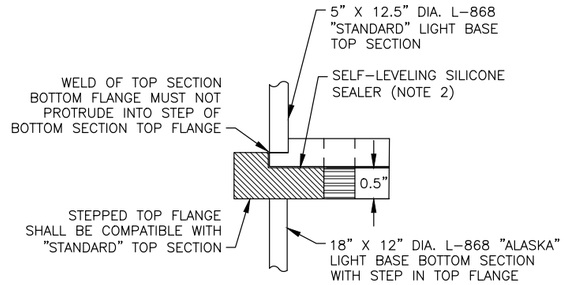


1 / E35 — L–867 HANDHOLE, SIZE B DETAIL (LIGHT TRAFFIC AREAS)

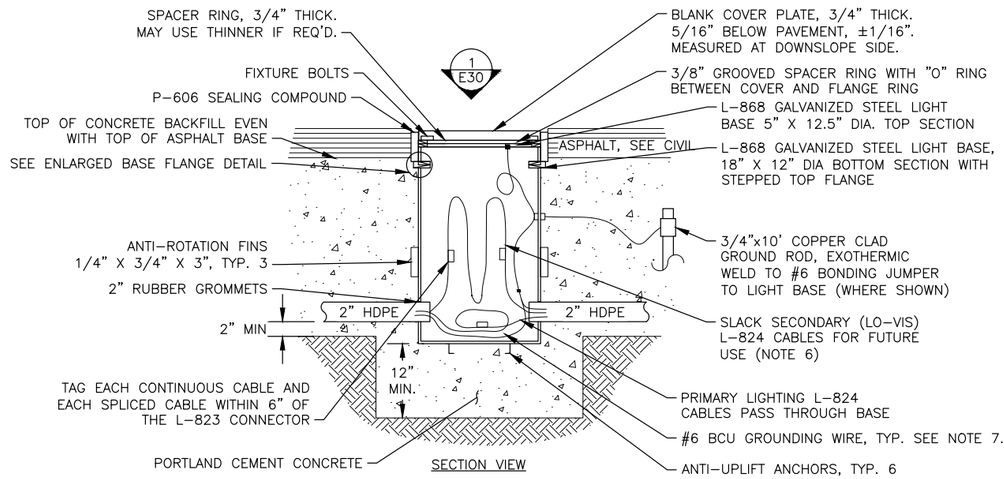
SCALE: NTS

DETAIL 2 NOTES:

1. SEALING MATERIAL SHALL BE AN APPROVED PRODUCT MEETING FEDERAL STANDARD P–606.
2. PROVIDE SELF–LEVELING SILICONE SEALER AT THE INTERFACE OF THE TOP SECTION AND BASE CAN ONLY.
3. 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.
4. ALL CONDUIT AND NEW FIXTURE BOTTOM SECTIONS SHALL BE INSTALLED BEFORE INSTALLATION AND APPLICATION OF TYPE V PAVING ASPHALT.
5. CONCRETE SHALL BE SEALED WITH AN APPROVED PRODUCT MEETING FEDERAL STANDARDS. SEALANT TO BE APPLIED AFTER CONCRETE IS FULLY CURED.
6. LEAVE SUFFICIENT SLACK IN POWER FEED AND GROUND CONDUCTORS TO MAKE CONNECTIONS 2 FEET ABOVE GRADE. LEAVE SLACK IN RETURN/LOOP CONDUCTORS TO REACH 2 FOOT ABOVE GRADE FROM CENTER OF SLACK CONDUCTOR.
7. 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.



BASE FLANGE DETAIL



SECTION VIEW

2 / E35 — L–868 DEFERRED FLUSH LIGHT BASE

SCALE: NTS

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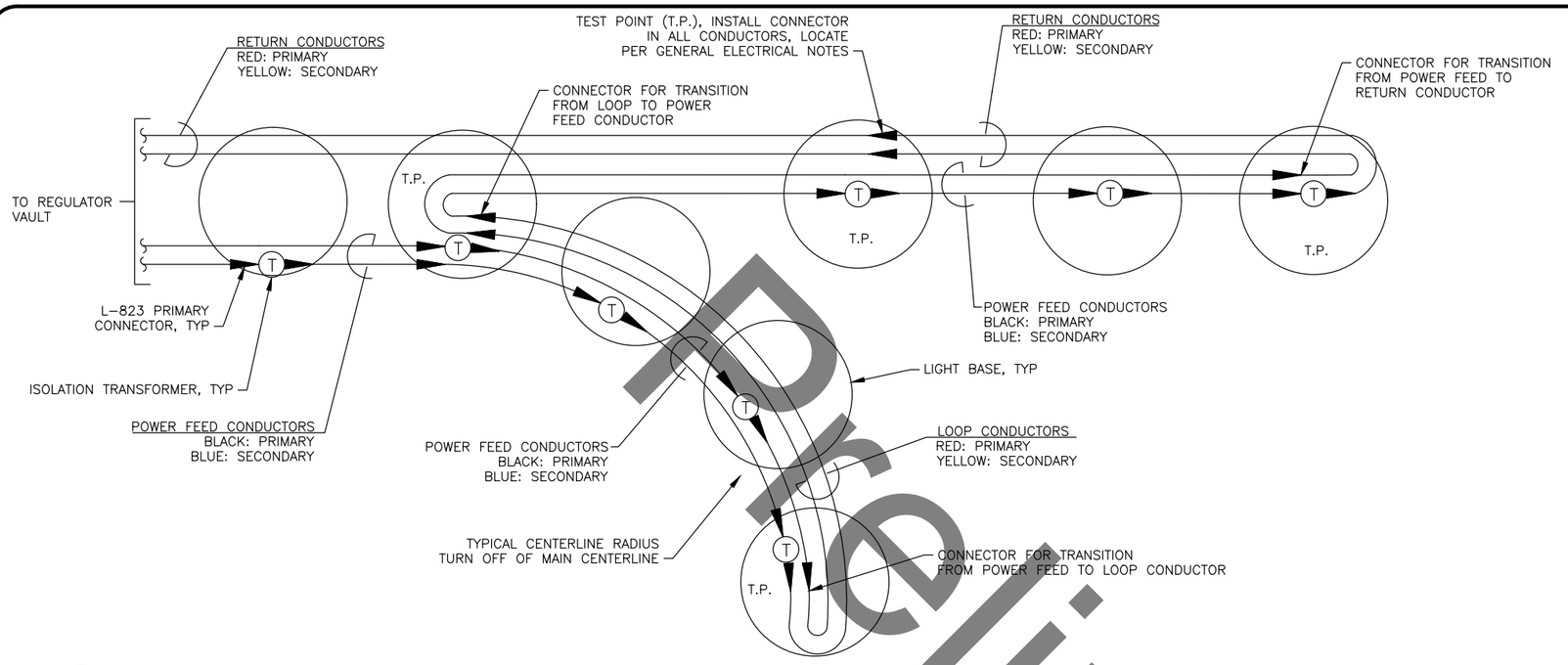
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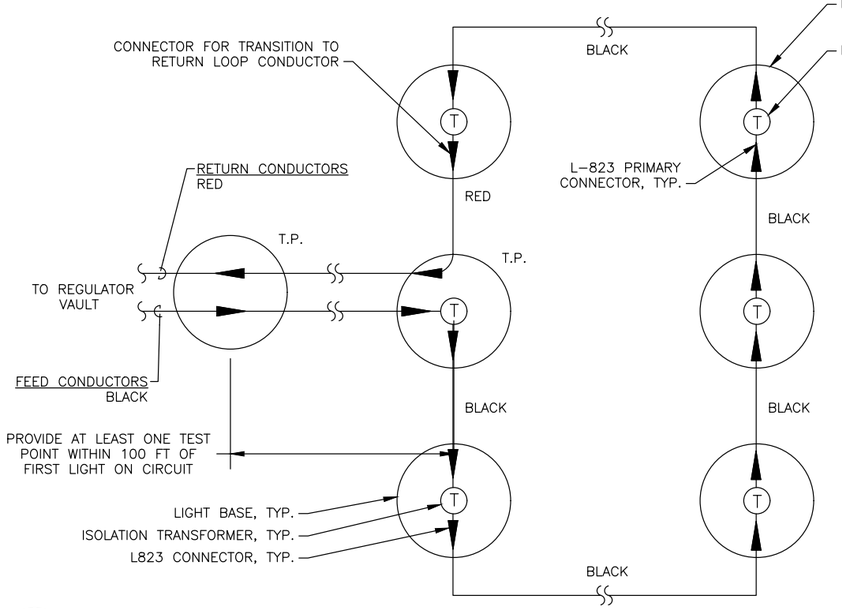
DATE: OCTOBER 2023

SHEET: E35 OF E37



1 / E36 — TYPICAL TAXIWAY CENTERLINE LIGHT (HIGH/LOW VIS) CONDUCTOR DIAGRAM

SCALE: NTS



NOTES:

1. DIAGRAMS ARE TYPICAL. NOT ALL CIRCUITS WILL BE PRESENT AT ALL LOCATIONS AND IN ALL LIGHT BASES. SEE PLANS FOR SPECIFIC ARRANGEMENTS.
2. ALL TRANSFORMERS SHALL BE SUPPLIED FROM POWER FEED CONDUCTORS. NO TRANSFORMERS SHALL BE SUPPLIED BY RETURN AND LOOP CONDUCTORS.
3. IDENTIFICATION LABEL REQUIREMENTS FOR COLOR-CODED CABLES:
   - POWER FEED CONDUCTOR SHALL BE LABELED WITH CIRCUIT NUMBER AND DIRECTION OF TRAVEL, IN EACH LIGHT BASE AND ON EACH SIDE OF SPLICES AND TRANSFORMERS.
   - RETURN AND LOOP CONDUCTORS SHALL BE LABELED WITH CI5RCUIT NUMBER AND DIRECTION OF TRAVEL, IN EACH LIGHT BASE AND ON EACH SIDE OF SPLICES.
4. LABEL TEST POINT LOCATIONS AT CENTERLINE LIGHTS IN ACCORDANCE WITH DETAIL 1/E13.

2 / E36 — TYPICAL EDGE LIGHT CONDUCTOR DIAGRAM

SCALE: NTS

CCR RECORD LOAD SUMMARY

SWITCH-GEAR	CCR TAG	CCR RATING	LIGHTING LOAD DESCRIPTION: COVERAGE AREA	TYPE	OUTPUT KW (*1)
15/33	T-13	30 KW	TW R (L TO P) EDGE LTS; RON PARKING EDGE LTS.	INCAND.	16.9
	T-14	30 KW	TW R (P TO Q) EDGE LTS; TL U, TL P, & P1-P3 PARKING EDGE LTS.	INCAND.	20.9
	T-21	30 KW	TW R (7L-25R TO Q), TL U, TL P, TL T, P1-P3 & FED-EX PARKING CENTERLINE LTS.	LED	12.8
	T-30	15 KW	TW R (7L-25R TO Q), TL U, TL P, TL T, P1-P3 PARKING, AND FED-EX PARKING LOW-VIS CENTERLINE LTS.	LED	5.9

NOTES:
(*1) MEASURED CCR OUTPUT LOAD DATA RECORDED ON 10/4/2023 WITH CCR AT HIGH STEP OUTPUT.

CCR LOAD SUMMARY – TAXIWAY LIGHTING CIRCUITS

TW CKT	CCR KW	CONNECTED LOAD: DESCRIPTION	QUANTITY (*1) D	E	N	R	FAA TYPE & XFMR (*4)	FIXT VA PU	XFMR VA PU	LOAD TOTALS (*2) EXIST KVA	NEW KVA	Δ KVA
T-13	30	EDGE LTS: ETR (*3)		NC			NC	–	–	–	–	0.0
		LED SIGNS (*3)		NC			NC	–	–	–	–	0.0
		5kV CABLE (KLF)	X		NC		L-824,#8 CU	–	–	–	–	0.0
									CCR LOAD--->	**16.9**	**16.9**	**0.0**
T-14	30	EDGE LTS: ETR (*3)		NC			NC	–	–	–	–	0.0
		EDGE LTS: TW R & TL U	180		87	91	L-861T, 30/45W	30	39.5	7.1	7.0	-0.1
		FLUSH EDGE LTS: TL U	12				L-852T, 30/45W	45	59.2	0.7	0.0	-0.7
		FLUSH EDGE LTS: TL U			14		L-852T(L), 65W	75.5	99.3	0.0	1.4	1.4
		LED SIGNS (*3)		NC			L-858, 100W	–	–	–	–	0.0
		5kV CABLE (KLF)	X		NC		L-824,#8 CU	–	–	–	–	0.0
									CCR LOAD--->	**20.9**	**21.5**	**0.6**
T-21	30	CL LTS: ETR (*3)		NC			NC	–	–	–	–	0.0
		CL LTS: TW R & TL U,T,S	126		12		L-852C(L), BI, 65W	56	73.7	9.3	0.9	-8.4
		CL LTS: TW R & TL U,T,S			48	69	L-852C, BI, 65W	60	78.9	0.0	9.2	9.2
		CL LTS: TW R & TL U,T,S	112				L-852D(L), BI, 65W	58	76.3	8.5	0.0	-8.5
		CL LTS: TW R & TL U,T,S			36	60	L-852D, BI, 65W	60	78.9	0.0	7.6	7.6
		CL LTS: TL U (FED EX)	6			6	L-852D(L), BI, 65W	58	76.3	0.5	0.5	0.0
		CL INTXN LTS: TW R	5				L-852F(L), 150W	115	121	0.6	0.0	-0.6
		CL INTXN LTS: TW R			3	2	L-852F, 200W	200	175.4	0.0	0.9	0.9
		5KV CABLE (KLF)	X		NC		L-824,#8 CU	–	–	–	–	0.0
									CCR LOAD--->	**12.8**	**12.9**	**0.1**
T-30	15	CL LTS: ETR (*3)		NC			NC	–	–	–	0.0	–
		CL LTS: TW R & TL U,T,S	114		9		L-852C(L), BI, 65W	56	73.7	8.4	0.7	-7.7
		CL LTS: TW R & TL U,T,S			47	57	L-852C, BI, 65W	60	78.9	0.0	8.2	8.2
		CL LTS: TW R & TL U,T,S	52				L-852D(L), BI, 65W	58	76.3	4.0	0.0	-4.0
		CL LTS: TW R & TL U,T,S			14	42	L-852D, BI, 65W	60	78.9	0.0	4.4	4.4
		CL LTS: TL U (FED EX)	5			5	L-852D(L), BI, 65W	58	76.3	0.4	0.4	0.0
		5KV CABLE (KLF)	X		NC		L-824,#8 CU	–	–	–	0.0	–
									CCR LOAD--->	**5.9**	**6.8**	**0.9**

NOTES: CCR = CONSTANT CURRENT REGULATOR; CL = CENTERLINE; ETR = EXISTING TO REMAIN
*1 D =DEMO; E = ETR; N = NEW; R = REFURBISH, NC = NO CHANGE
*2 SEE CCR RECORD LOAD SUMMARY FOR BASIS OF EXISTING LIGHTING LOADS.
*3 NO CHANGE TO EXISTING AIRFIELD LIGHTING OUTSIDE PROJECT LIMITS.
*4 LED FIXTURE TYPES INCLUDE ARCTIC HEATER.

Preliminary

STATE OF ALASKA — 49TH — William A. Starn EE-8223 — REGISTERED PROFESSIONAL ENGINEER

PLANS DEVELOPED BY:
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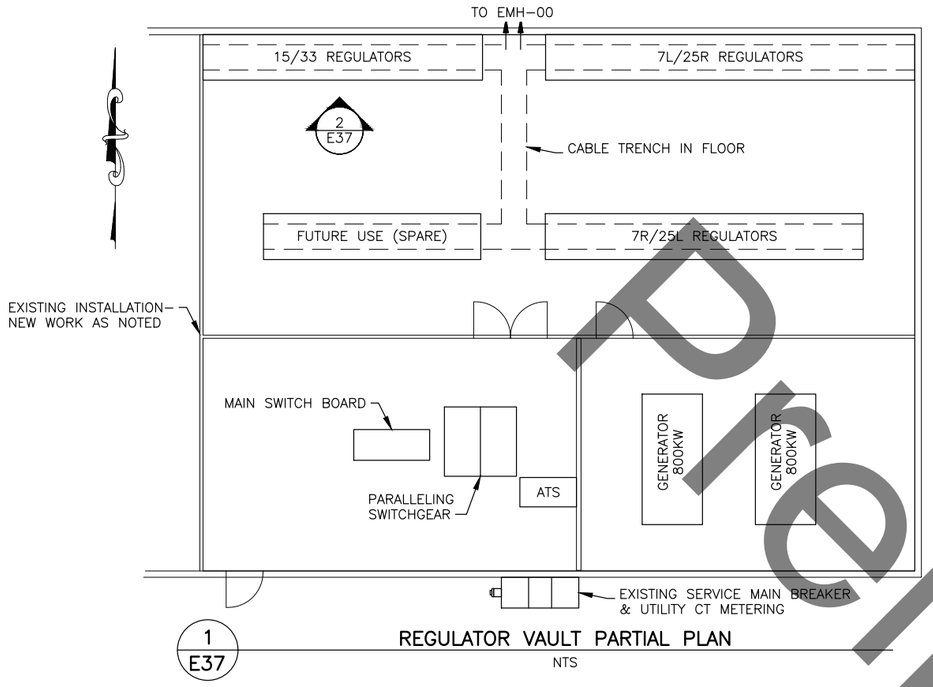
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
ELECTRICAL DETAILS

DATE: OCTOBER 2023
SHEET: E36 OF E37

Designed By: JH
Drawn By: SS
Checked By: WS

Date Revised:
Layout Name: E36
File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\09 Cadd 2019\01 Working Set\03 Electrical\00880-ANC-Electrical Details.dwg
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E37

REGULATOR VAULT PARTIAL PLAN

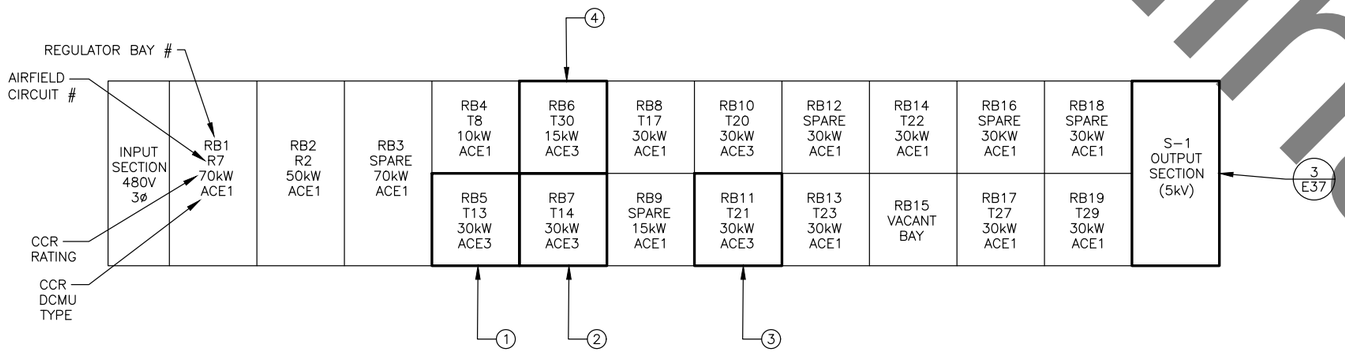
NTS

GENERAL NOTES:

1. SEE CCR LOAD SUMMARY FOR EXISTING AND PROPOSED TAXIWAY/TAXILANE LIGHTING CIRCUIT LOADS.
2. REMOVE ABANDONED CABLES THAT ARE REPLACED IN ACCORDANCE WITH DEMOLITION AND GENERAL NOTES ON SHEET E1.
3. EXISTING AIRPORT LIGHTING CONTROL AND MONITORING SYSTEM (ALCMS) IS NETWORKED TO ALL VAULT CONSTANT-CURRENT REGULATORS (CCRs), WITH EACH CCR EQUIPPED WITH AN INTERNALLY MOUNTED / FRONT ACCESSIBLE, DISTRIBUTED CONTROL/ MONITORING UNIT (DCMU). CURRENT MODEL DCMU IS ADB-SAFEGATE MODEL "ACE3"; EXISTING DCMUs IN ORIGINAL CCRs ARE ADB-SAFEGATE MODEL "ACE1" WHICH ARE FUNCTIONAL BUT OBSOLETED BY THE MANUFACTURER AND NO LONGER SUPPORTED.
4. REGULATOR VAULT UPGRADES SHALL INCLUDE THE FOLLOWING:
   - PROVIDE FOUR NEW REGULATORS WITH ACE3 DCMUs TO REPLACE EXISTING CCRs IN EXISTING SWITCHGEAR CUBICLES AS INDICATED.
   - ON-SITE FIELD SERVICES OF THE MANUFACTURER'S AUTHORIZED TECHNICAL REPRESENTATIVE TO PROVIDE ALCMS PROGRAMMING UPDATES AND 4-HOURS TRAINING FOR ANC AFM STAFF.
   - WORK ASSOCIATED WITH CCR UPGRADES SHALL BE SUSIDIARY TO ITEM L125.020.0000.
   - PROVIDE ONE SPARE ACE3 DCMU (REPLACEMENT KIT) UNDER ITEM L125.170.0000.

SHEET NOTES:

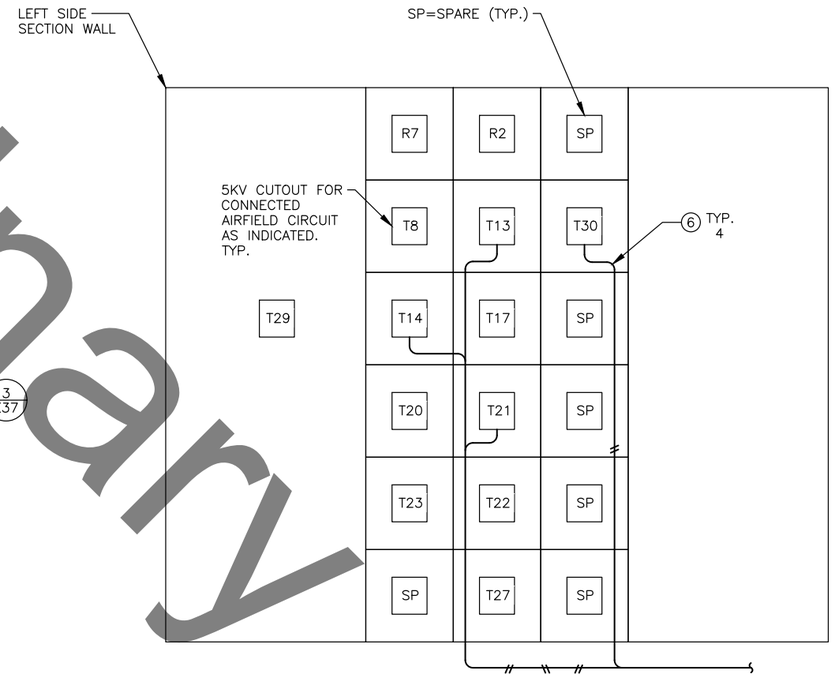
1. CIRCUIT T13 REGULATOR: TWY R (L TO P) EDGE LTS; RON PARKING EDGE LTS.
   - REMOVE EXISTING 30KW 6.6A CCR WITH 3-STEP CONTROL AND TURN OVER TO ANC AFM.
   - PROVIDE NEW 30KW 6.6A CCR WITH 3-STEP CONTROL FOR INCANDESCENT LAMP LOADS.
2. CIRCUIT T14 REGULATOR: TWY R (P TO Q) EDGE LTS; TL U, TL P, & P1-P3 PARKING EDGE LTS.
   - REMOVE EXISTING 30KW 6.6A CCR WITH 3-STEP CONTROL AND TURN OVER TO ANC AFM.
   - PROVIDE NEW 30KW 6.6A CCR WITH 3-STEP CONTROL FOR INCANDESCENT LAMP LOADS.
3. CIRCUIT T21 REGULATOR: TWY R (7L-25R TO Q), TL U, TL P, TL T, P1-P3 PARKING, AND FED-EX PARKING CENTERLINE LTS.
   - REMOVE EXISTING 30KW 6.6A CCR WITH 5-STEP CONTROL AND TURN OVER TO ANC AFM.
   - PROVIDE NEW 30KW 6.6A CCR WITH 5-STEP CONTROL FOR LED & INCANDESCENT LAMP LOADS.
4. CIRCUIT T30 REGULATOR: TWY R (7L-25R TO Q), TL U, TL P, TL T, P1-P3 PARKING, AND FED-EX PARKING LOW-VIS CENTERLINE LTS.
   - REMOVE EXISTING 15KW 6.6A CCR WITH 5-STEP CONTROL AND TURN OVER TO ANC AFM.
   - PROVIDE NEW 15KW 6.6A CCR WITH 5-STEP CONTROL FOR LED & INCANDESCENT LAMP LOADS.
5. ROUTE NEW TAXIWAY HOMERUN CIRCUIT CONDUCTORS THRU FLOOR TRENCH TO SWITCHGEAR FROM MANHOLE EMH-00 DUCT BANK ENTRANCE. BOND EQUIPMENT GROUNDING CONDUCTORS TO SWITCHGEAR GROUND BUS.
6. NEATLY ROUTE, TY-WRAP, LABEL, AND TERMINATE NEW 5KV CABLES AT CUTOUTS.



2
E37

15/33 REGULATOR SWITCHGEAR ELEVATION DIAGRAM

NTS



3
E37

15/33 CCR SWITCHGEAR CUTOUT SECTION DETAIL

NTS

Preliminary

STATE OF ALASKA
49TH
William A. Starn
EE-8223
REGISTERED PROFESSIONAL ENGINEER

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REGULATOR VAULT PLAN DETAIL

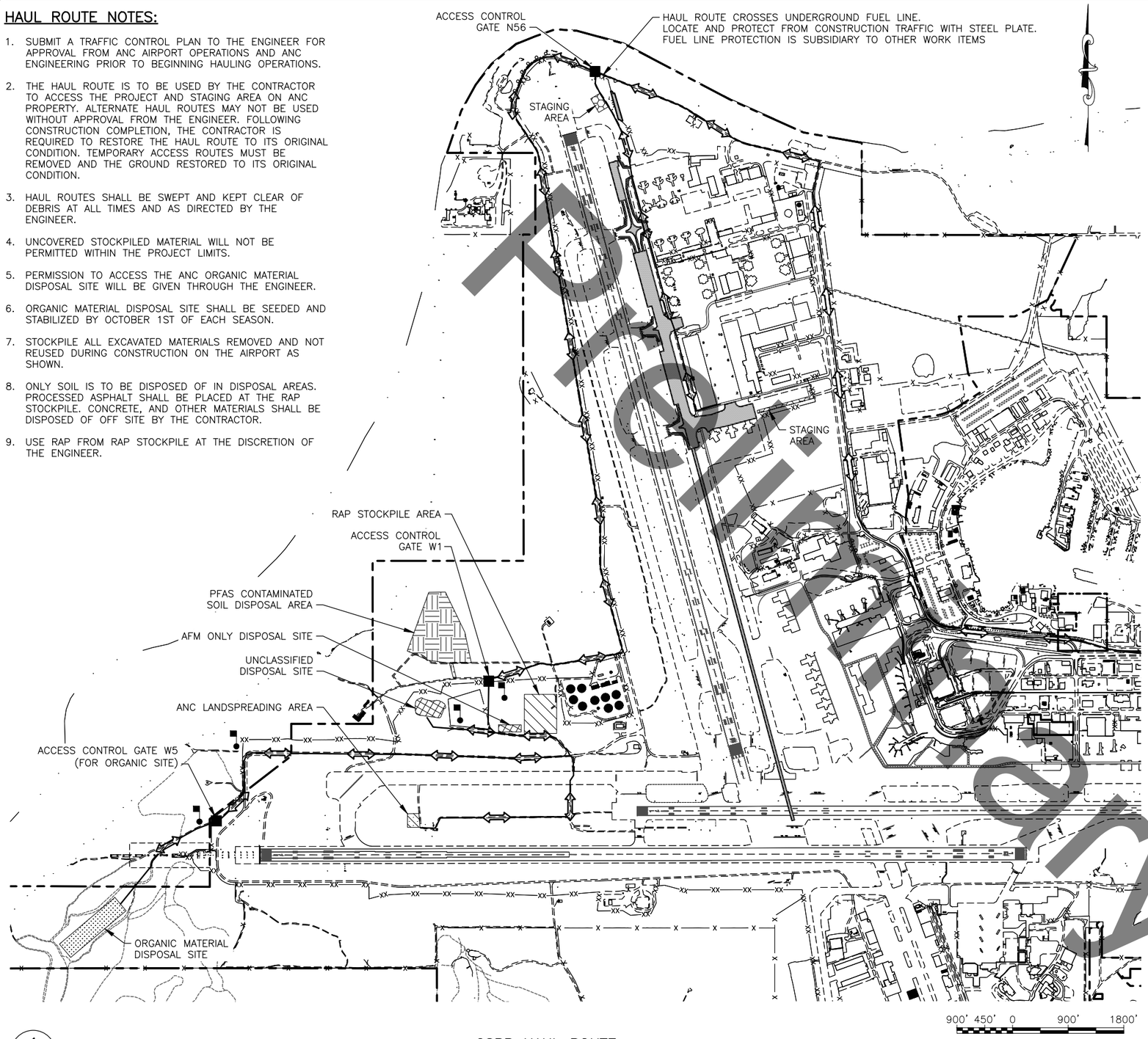
DATE: OCTOBER 2023
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HAUL ROUTE NOTES:

1. SUBMIT A TRAFFIC CONTROL PLAN TO THE ENGINEER FOR APPROVAL FROM ANC AIRPORT OPERATIONS AND ANC ENGINEERING PRIOR TO BEGINNING HAULING OPERATIONS.
2. 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.
3. HAUL ROUTES SHALL BE SWEPT AND KEPT CLEAR OF DEBRIS AT ALL TIMES AND AS DIRECTED BY THE ENGINEER.
4. UNCOVERED STOCKPILED MATERIAL WILL NOT BE PERMITTED WITHIN THE PROJECT LIMITS.
5. PERMISSION TO ACCESS THE ANC ORGANIC MATERIAL DISPOSAL SITE WILL BE GIVEN THROUGH THE ENGINEER.
6. ORGANIC MATERIAL DISPOSAL SITE SHALL BE SEEDED AND STABILIZED BY OCTOBER 1ST OF EACH SEASON.
7. STOCKPILE ALL EXCAVATED MATERIALS REMOVED AND NOT REUSED DURING CONSTRUCTION ON THE AIRPORT AS SHOWN.
8. ONLY SOIL IS TO BE DISPOSED OF IN DISPOSAL AREAS. PROCESSED ASPHALT SHALL BE PLACED AT THE RAP STOCKPILE. CONCRETE, AND OTHER MATERIALS SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR.
9. USE RAP FROM RAP STOCKPILE AT THE DISCRETION OF THE ENGINEER.



1 / AC1 CSPP HAUL ROUTE

GENERAL SAFETY REQUIREMENTS

1. 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.
2. 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.
3. CONSTRUCTION SHALL BE PLANNED TO MINIMIZE DISTURBANCE TO AIRCRAFT OPERATIONS. COORDINATE RUNWAY AND TAXIWAY CLOSURES (PARTIAL OR FULL) WITH AIRPORT OPERATIONS AND THE ENGINEER.
4. ALL CONSTRUCTION VEHICLES AND EQUIPMENT SHALL OPERATE A FLASHING AMBER BEACON WHEN WORKING ON THE AIRPORT.
5. CLEAR SAFETY AREAS AND OBJECT FREE AREAS AT ANYTIME AS DIRECTED BY THE ENGINEER.
6. CONSTRUCTION ACTIVITIES THAT REQUIRE WORK IN AN ACTIVE TOFA ARE SUBJECT TO THE FOLLOWING RESTRICTIONS:
   - A. NOTAMS MUST BE ISSUED ADVISING TAXIING PILOTS OF HAZARD AND RECOMMENDING REDUCED TAXIING SPEEDS ON THE TAXIWAY OF 10 MPH OR LESS.
   - B. 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.
   - C. 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.
   - D. 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.
   - E. AIRLINE PERSONNEL MUST BE USED TO DIRECT TAXIING AIRCRAFT WHEN WORK IS OCCURRING WITHIN THE ADJACENT TOFA.
   - F. REMOVE MATERIAL STOCKPILES AND EQUIPMENT FROM OBJECT FREE AREAS DURING NON-WORK HOURS.
8. DAMAGE TO FAA FACILITIES INCLUDING POWER DISRUPTION SHALL BE IMMEDIATELY REPAIRED IN A MANNER ACCEPTABLE TO THE FAA AT THE CONTRACTOR'S EXPENSE.
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. 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.
11. 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.
12. 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.
13. 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.
14. CONTRACTOR SHALL VACATE THE STAGING AREAS AND ORGANIC MATERIAL DISPOSAL SITE BY 10/15/2024.

LEGEND

- PROJECT LIMITS
- PROPOSED HAUL ROUTE
- ACCESS CONTROL GATE
- UNCLASSIFIED DISPOSAL SITE
- RAP STOCKPILE AREA
- ORGANIC MATERIAL DISPOSAL SITE
- ANC LANDSPREADING AREA
- STAGING AREA
- PFAS CONTAMINATED SOIL DISPOSAL AREA
- AIRPORT FLAGGER

FOR REVIEW ONLY

Designed By: RB
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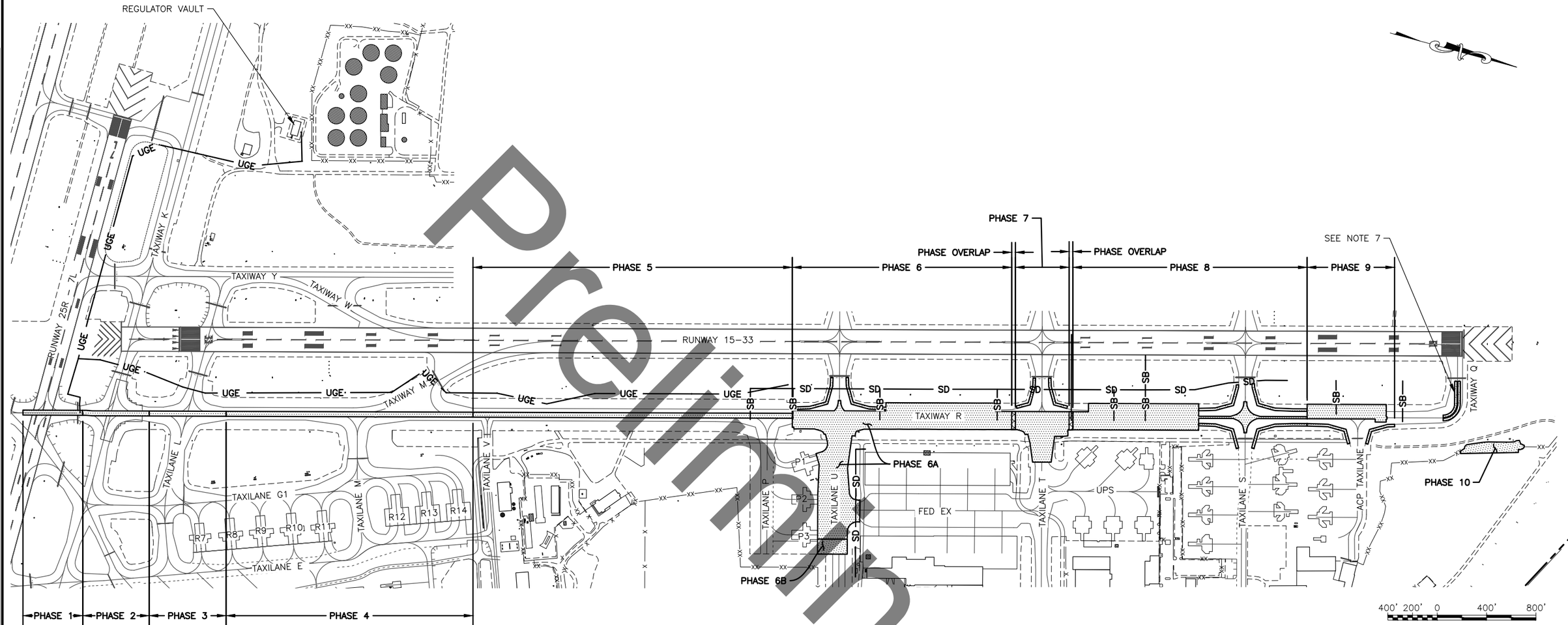
PLANS DEVELOPED BY:
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BY	DATE	REVISION

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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
CSPP HAUL ROUTE

DATE: OCTOBER 2023
SHEET: AC1 OF AC12



Preliminary

CONSTRUCTION PHASING SCHEDULE

PHASE	DESCRIPTION	ESTIMATED DURATION (DAYS)	INTERIM COMPLETION DATE	COMPLETION DATE
1	TW R & RW 7R–25L INTERSECTION	3	9/30/2024	9/30/2025
2	TW R & TW K INTERSECTION	1		
3	TW R & TL L INTERSECTION	1		
4	TW R (TL L TO TL V)	1		
5	TW R (TL V TO TL U)	1		
6A	TW R (TL U TO TL T)	96		
6B	TL U	7		
7	TW R & TL T INTERSECTION	30		
8	TW R (TL T TO TL S)	44		
9	TW R (TL S TO TW Q)	13		
10	SECURITY FENCING	30		

PHASES 1–5 & PHASE 10 MAY BE WORKED ON CONCURRENTLY WITH OTHER PHASES AS APPROVED BY THE ENGINEER

PHASE 1 – TAXIWAY R – STA 323+30 TO 328+37

PHASE 2 – TAXIWAY R – STA 328+37 TO 333+78

PHASE 3 – TAXIWAY R – STA 333+78 TO 340+00

PHASE 4 – TAXIWAY R – STA 340+00 TO 360+00

PHASE 5 – TAXIWAY R – STA 360+00 TO 385+88

PHASE 6A – TAXIWAY R – STA 385+88 TO 403+95
TAXILANE U – STA 80+00 TO 89+73

PHASE 6B – TAXILANE U – STA 89+73 TO 91+21

PHASE 7 – TAXIWAY R – STA 403+65 TO 408+60

PHASE 8 – TAXIWAY R – STA 408+30 TO 427+58

PHASE 9 – TAXIWAY R – STA 427+58 TO 440+00

PHASE 10 – TAXIWAY R – STA 440+00 TO 434+75

LEGEND:

- PHASE WORK AREA
- PHASE OVERLAP
- SD — CIPP STORM DRAIN LINING
- SB — SUBDRAIN SLIPLINING
- UGE — HOMERUN CIRCUIT REPLACEMENT

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.
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. TW Q WORK SHALL BE SCHEDULED AT THE DISCRETION OF THE ENGINEER.

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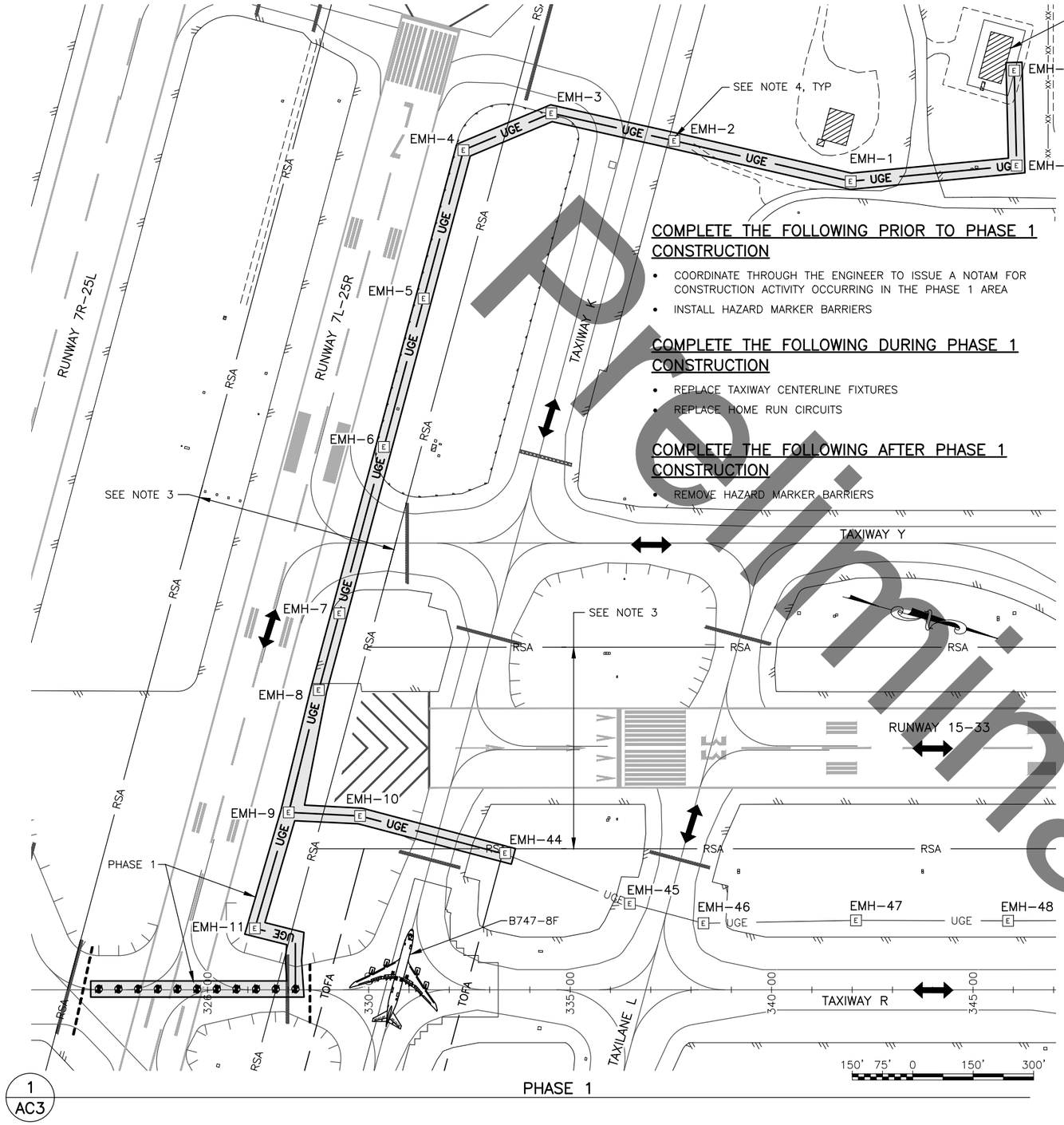
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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
CSPP OVERVIEW

DATE: OCTOBER 2023

SHEET: AC2 OF AC12

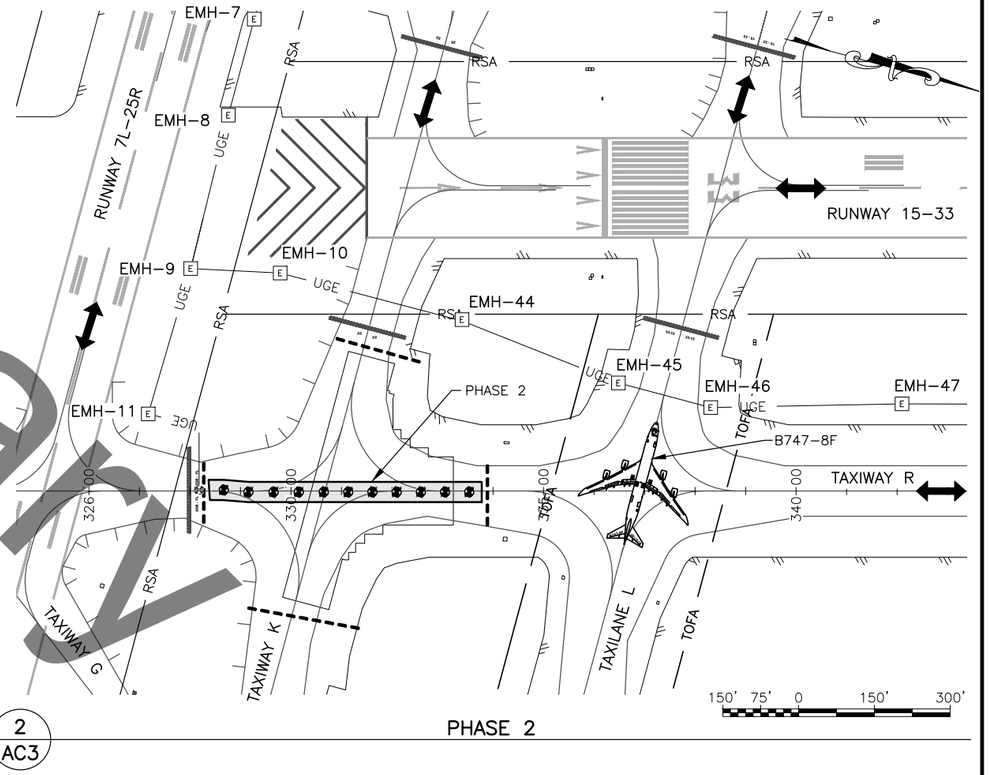
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1 AC3

PHASE 1



2 AC3

PHASE 2

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- HAZARD MARKER BARRIER
- PHASE WORK AREA
- CENTERLINE FIXTURE REPLACEMENT
- UGE — HOMERUN CIRCUIT REPLACEMENT

COMPLETE THE FOLLOWING PRIOR TO PHASE 1 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR CONSTRUCTION ACTIVITY OCCURRING IN THE PHASE 1 AREA
- INSTALL HAZARD MARKER BARRIERS

COMPLETE THE FOLLOWING DURING PHASE 1 CONSTRUCTION

- REPLACE TAXIWAY CENTERLINE FIXTURES
- REPLACE HOME RUN CIRCUITS

COMPLETE THE FOLLOWING AFTER PHASE 1 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS

COMPLETE THE FOLLOWING PRIOR TO PHASE 2 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR CONSTRUCTION ACTIVITY OCCURRING IN THE PHASE 2 AREA
- INSTALL HAZARD MARKER BARRIERS

COMPLETE THE FOLLOWING DURING PHASE 2 CONSTRUCTION

- REPLACE TAXIWAY CENTERLINE FIXTURES

COMPLETE THE FOLLOWING AFTER PHASE 2 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS

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. ALL WORK WITHIN THE RW 7L/25R AND RW 15/33 RSA SHALL OCCUR DURING A RUNWAY CLOSURE TENTATIVELY SCHEDULED TO BEGIN ON 8/20/24. ALL WORK SHALL OCCUR DURING THE DAYLIGHT HOURS AND ALL CIRCUITS SHALL BE RE-ENERGIZED PRIOR TO DUSK LIGHTING CONDITIONS.
4. CONTRACTOR SHALL ALLOW 1 HOUR PER ELECTRICAL MANHOLE FOR AFM PERSONNEL TO PERFORM MAINTENANCE BETWEEN THE HOURS OF 8 AM TO 4 PM.
5. TSA AND TOFA SHOWN FOR ADG VI AIRCRAFT.

Preliminary

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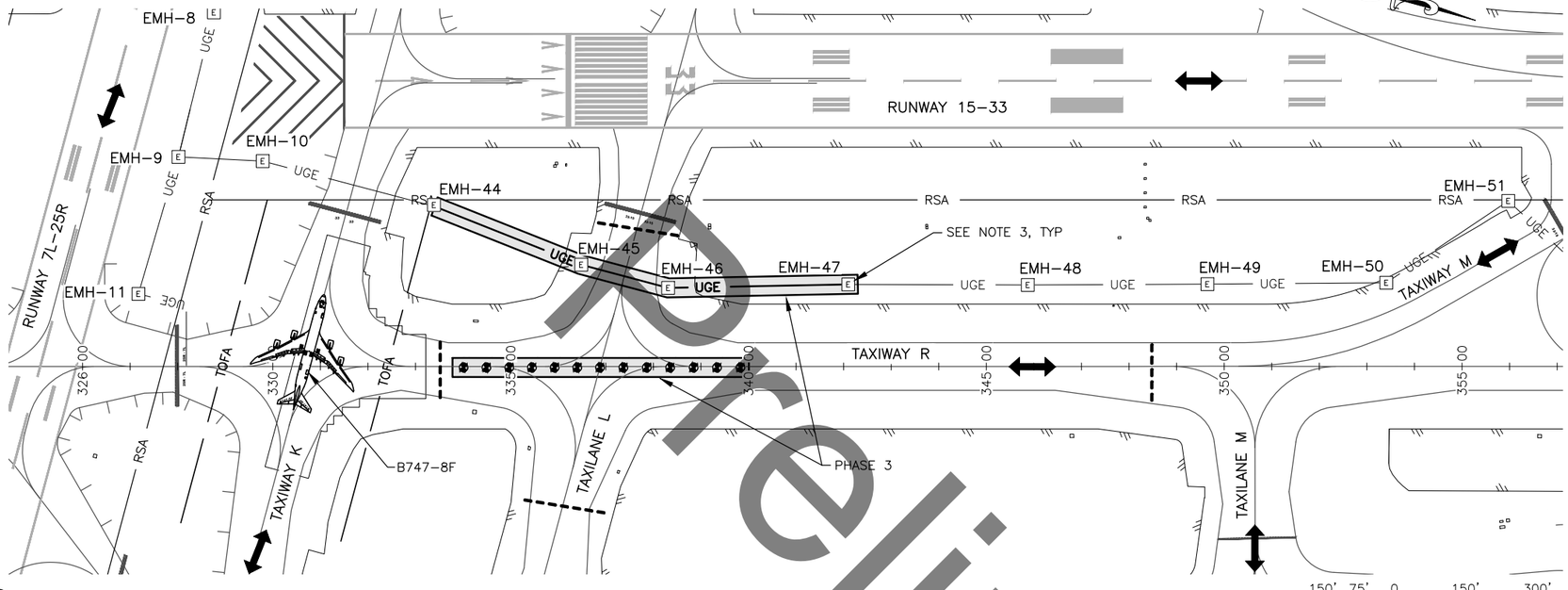
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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
CSPP PHASE 1 & 2

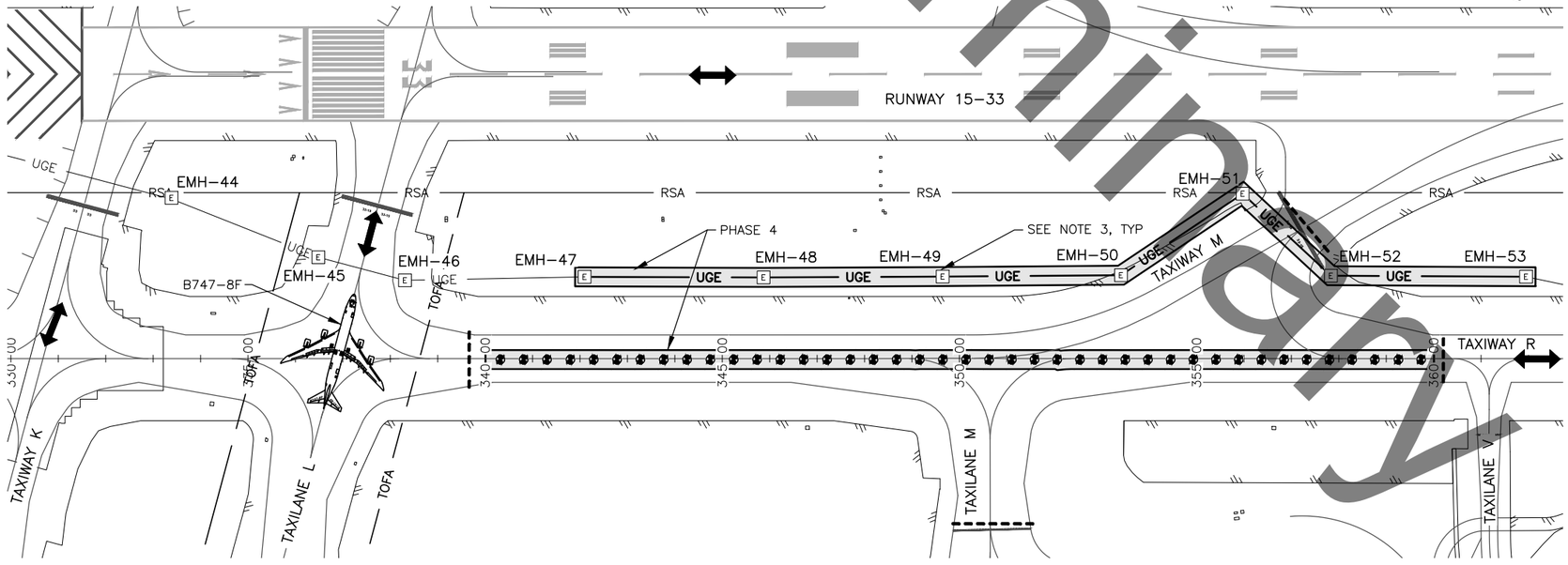
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SHEET: AC3 OF AC12



1
AC4

PHASE 3



2
AC4

PHASE 4

COMPLETE THE FOLLOWING PRIOR TO PHASE 3 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR CONSTRUCTION ACTIVITY OCCURRING IN THE PHASE 3 AREA
- INSTALL HAZARD MARKER BARRIERS

COMPLETE THE FOLLOWING DURING PHASE 3 CONSTRUCTION

- REPLACE TAXIWAY CENTERLINE FIXTURES
- REPLACE HOME RUN CIRCUITS

COMPLETE THE FOLLOWING AFTER PHASE 3 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- HAZARD MARKER BARRIER
- PHASE WORK AREA
- CENTERLINE FIXTURE REPLACEMENT
- UGE — HOMERUN CIRCUIT REPLACEMENT

COMPLETE THE FOLLOWING PRIOR TO PHASE 4 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR CONSTRUCTION ACTIVITY OCCURRING IN THE PHASE 4 AREA
- INSTALL HAZARD MARKER BARRIERS

COMPLETE THE FOLLOWING DURING PHASE 4 CONSTRUCTION

- REPLACE TAXIWAY CENTERLINE FIXTURES
- REPLACE HOME RUN CIRCUITS

COMPLETE THE FOLLOWING AFTER PHASE 4 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS

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. CONTRACTOR SHALL ALLOW 1 HOUR PER ELECTRICAL MANHOLE FOR AFM PERSONNEL TO PERFORM MAINTENANCE BETWEEN THE HOURS OF 8 AM TO 4 PM.
4. TSA AND TOFA SHOWN FOR ADG VI AIRCRAFT.

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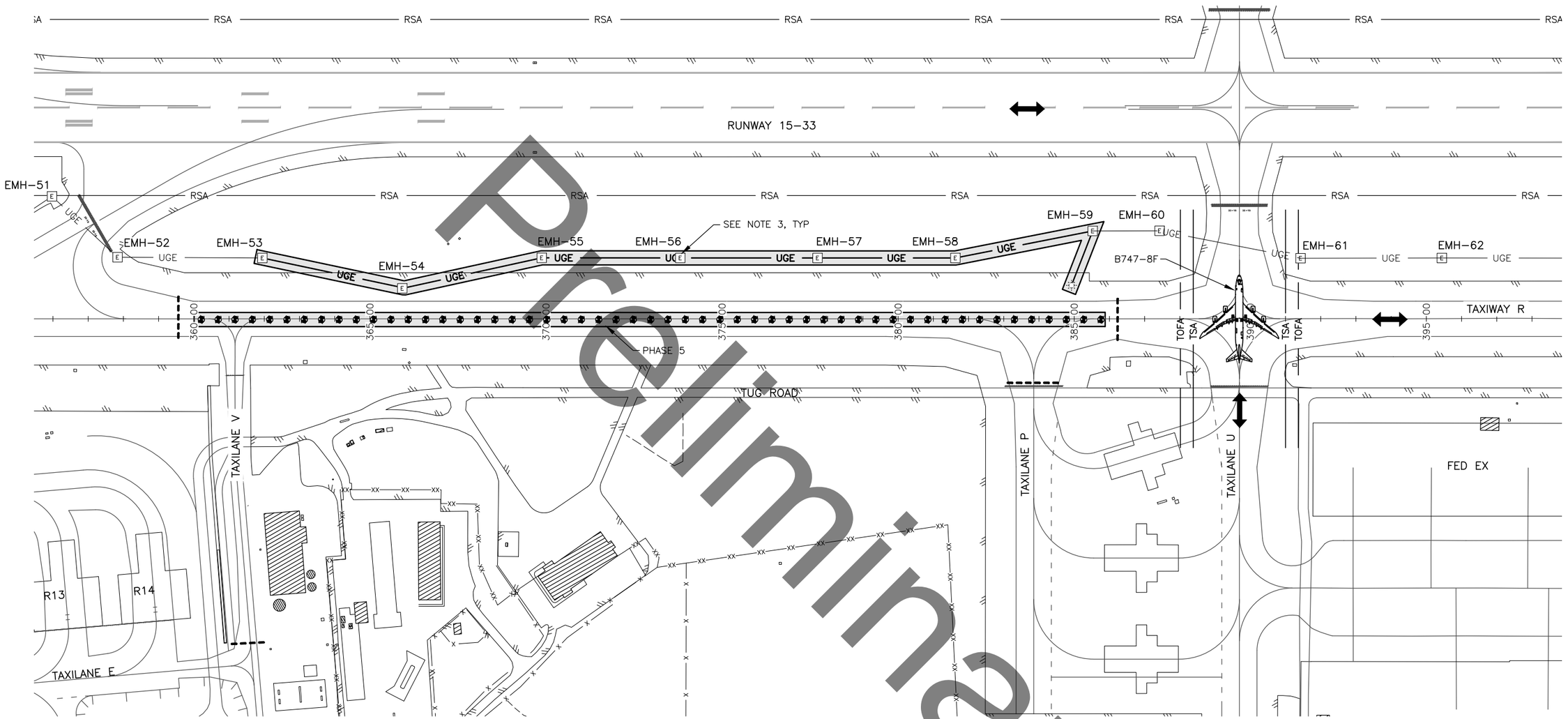
PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
3940 ARCTIC BLVD. SUITE 300
ANCHORAGE, ALASKA 99503
(907) 562-3252
#AECL882-AK

BY	DATE	REVISION

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CENTRAL REGION
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TED STEVENS ANCHORAGE
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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
CSPP PHASE 3 & 4

DATE: OCTOBER 2023
SHEET: AC4 OF AC12



1
AC5

PHASE 5

COMPLETE THE FOLLOWING PRIOR TO PHASE 5 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR CONSTRUCTION ACTIVITY OCCURRING IN THE PHASE 5 AREA
- INSTALL HAZARD MARKER BARRIERS

COMPLETE THE FOLLOWING DURING PHASE 5 CONSTRUCTION

- REPLACE TAXIWAY CENTERLINE FIXTURES
- REPLACE HOME RUN CIRCUITS

COMPLETE THE FOLLOWING AFTER PHASE 5 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS

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. CONTRACTOR SHALL ALLOW 1 HOUR PER ELECTRICAL MANHOLE FOR AFM PERSONNEL TO PERFORM MAINTENANCE BETWEEN THE HOURS OF 8 AM TO 4 PM.
4. TSA AND TOFA SHOWN FOR ADG VI AIRCRAFT.

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- HAZARD MARKER BARRIER
- PHASE WORK AREA
- CENTERLINE FIXTURE REPLACEMENT
- UGE — HOMERUN CIRCUIT REPLACEMENT

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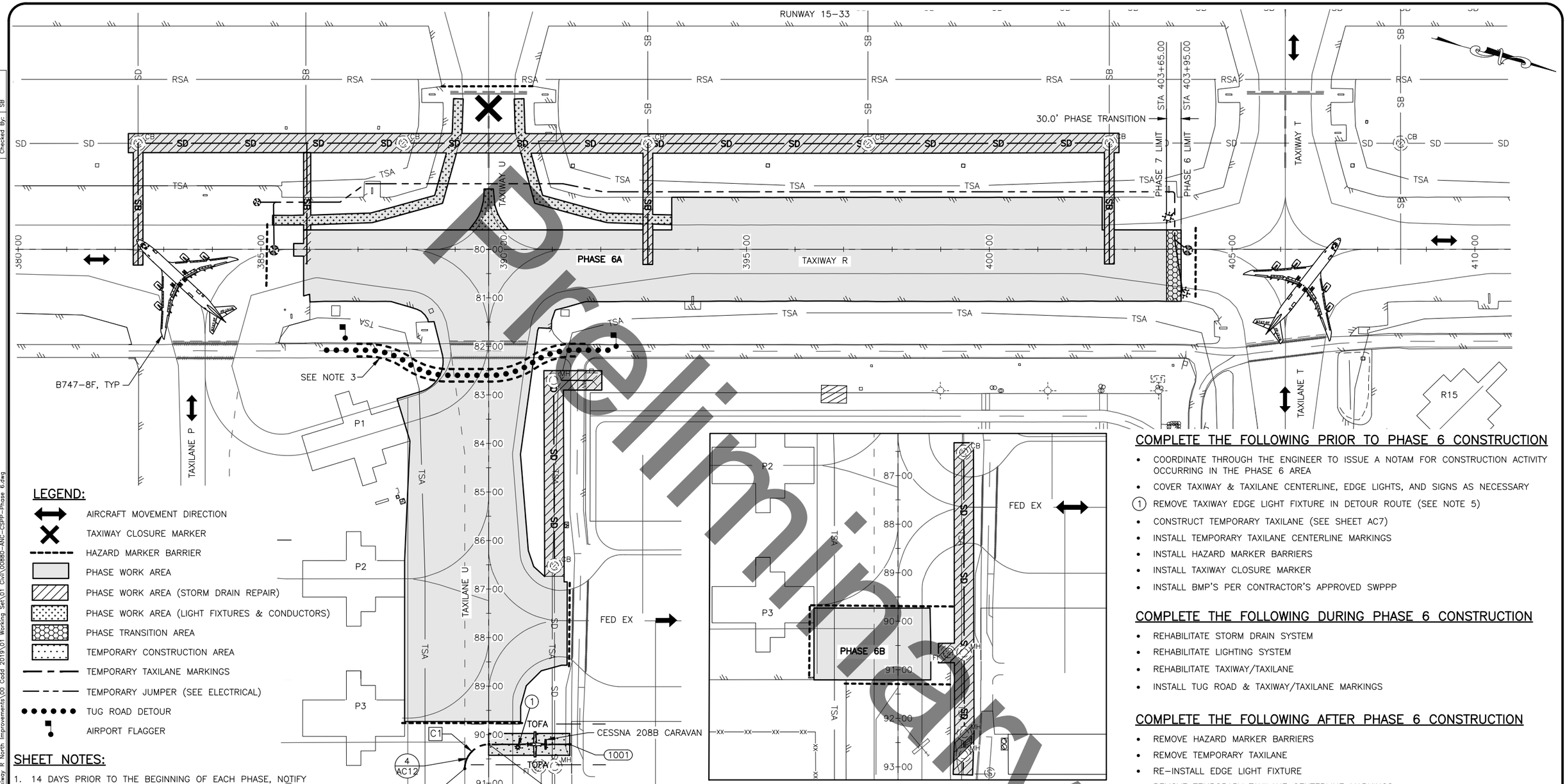
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ANCHORAGE, ALASKA
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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
CSPP PHASE 5

DATE: OCTOBER 2023

SHEET: AC5 OF AC12

Designed By: RB
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Date Revised:
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1 AC6 PHASE 6A

2 AC6 PHASE 6B

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- TAXIWAY CLOSURE MARKER
- HAZARD MARKER BARRIER
- PHASE WORK AREA
- PHASE WORK AREA (STORM DRAIN REPAIR)
- PHASE WORK AREA (LIGHT FIXTURES & CONDUCTORS)
- PHASE TRANSITION AREA
- TEMPORARY CONSTRUCTION AREA
- TEMPORARY TAXILANE MARKINGS
- TEMPORARY JUMPER (SEE ELECTRICAL)
- TUG ROAD DETOUR
- AIRPORT FLAGGER

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. SEQUENCE WORK AND CONSTRUCT DETOUR AS NECESSARY TO MAINTAIN TUG ROAD ACCESS AT ALL TIMES THROUGH PHASE 6A WORK AREA.
4. TOFA THROUGH THE AIRCRAFT DETOUR IS SPECIFICALLY SHOWN FOR CESSNA 208B CARAVAN AIRCRAFT.
5. INSTALL BLANK COVER ON REMOVED TAXIWAY EDGE LIGHT IN DETOUR ROUTE. ALL WORK ASSOCIATED WITH REMOVAL AND REINSTALLATION OF TAXIWAY EDGE LIGHT FIXTURES NOT IDENTIFIED IN DEMOLITION SHEETS SHALL BE INCIDENTAL TO THE PROJECT.
6. ALL NEW WORK IN PHASE 6A SHALL BE COMPLETED WITHIN TL U PRIOR TO BEGINNING NEW WORK IN TW R TO ALLOW AIRCRAFT ACCESS TO THE FED EX RAMP AS SOON AS POSSIBLE THROUGH EITHER P2 OR P3

COMPLETE THE FOLLOWING PRIOR TO PHASE 6 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR CONSTRUCTION ACTIVITY OCCURRING IN THE PHASE 6 AREA
- COVER TAXIWAY & TAXILANE CENTERLINE, EDGE LIGHTS, AND SIGNS AS NECESSARY
- (1) REMOVE TAXIWAY EDGE LIGHT FIXTURE IN DETOUR ROUTE (SEE NOTE 5)
- CONSTRUCT TEMPORARY TAXILANE (SEE SHEET AC7)
- INSTALL TEMPORARY TAXILANE CENTERLINE MARKINGS
- INSTALL HAZARD MARKER BARRIERS
- INSTALL TAXIWAY CLOSURE MARKER
- INSTALL BMP'S PER CONTRACTOR'S APPROVED SWPPP

COMPLETE THE FOLLOWING DURING PHASE 6 CONSTRUCTION

- REHABILITATE STORM DRAIN SYSTEM
- REHABILITATE LIGHTING SYSTEM
- REHABILITATE TAXIWAY/TAXILANE
- INSTALL TUG ROAD & TAXIWAY/TAXILANE MARKINGS

COMPLETE THE FOLLOWING AFTER PHASE 6 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS
- REMOVE TEMPORARY TAXILANE
- RE–INSTALL EDGE LIGHT FIXTURE
- REMOVE TEMPORARY TAXILANE CENTERLINE MARKINGS
- REMOVE TAXIWAY CLOSURE MARKER
- REMOVE BMP'S
- UNCOVER TAXIWAY & TAXILANE CENTERLINE, EDGE LIGHTS, AND SIGNS AS NECESSARY

MARKING POINT TABLE

POINT	STATION	OFFSET (FT)	REMARKS
1001	90+20.00	167.14 LT	PI
1002	90+20.00	0.84 LT	PC, CURVE 1
1003	90+70.00	49.16 RT	PT, CURVE 1

CURVE TABLE

CURVE	STATION	OFFSET (FT)	RADIUS (FT)
C1	90+70.00	0.84 LT	50

Preliminary

Designed By: RB
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Layout Name: AC6
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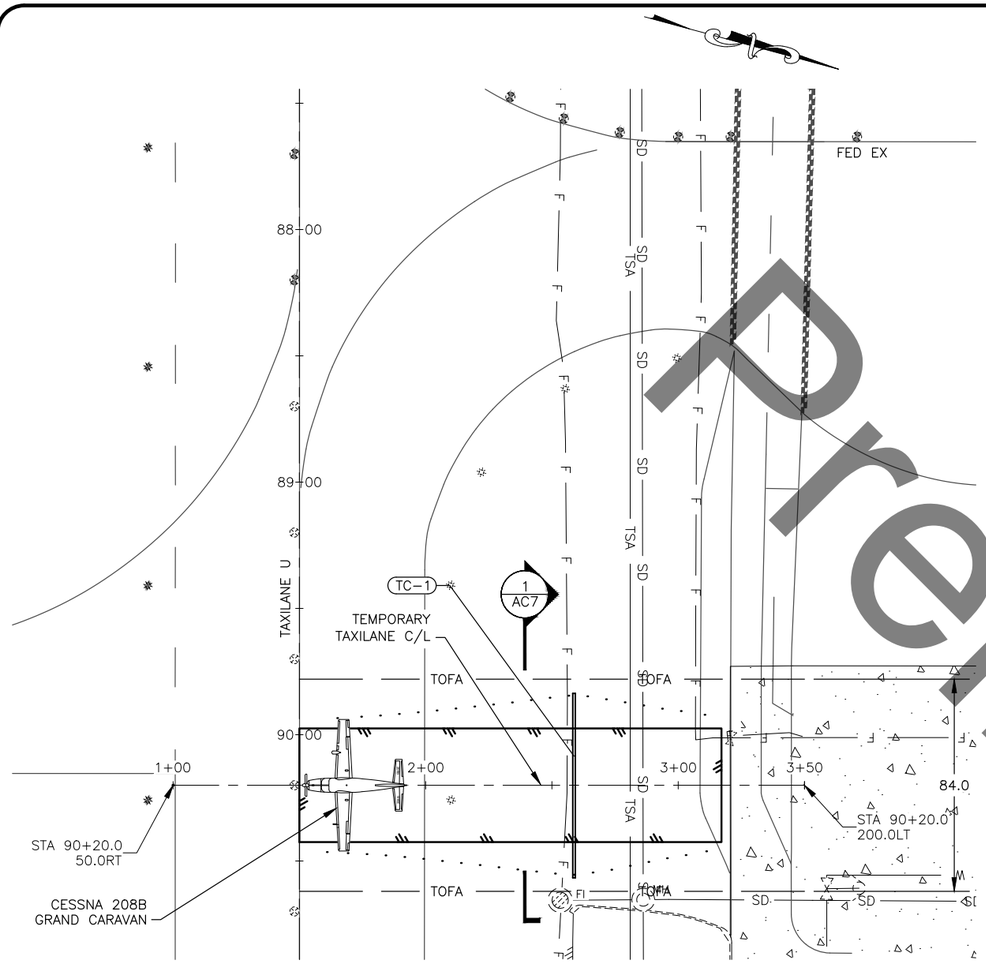
PLANS DEVELOPED BY:
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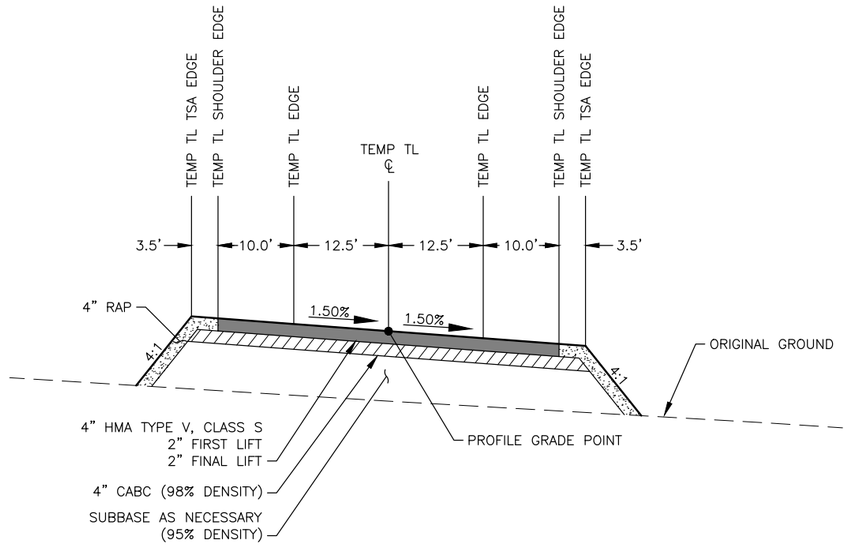
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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
CSPP PHASE 6

DATE: OCTOBER 2023
SHEET: AC6 OF AC12

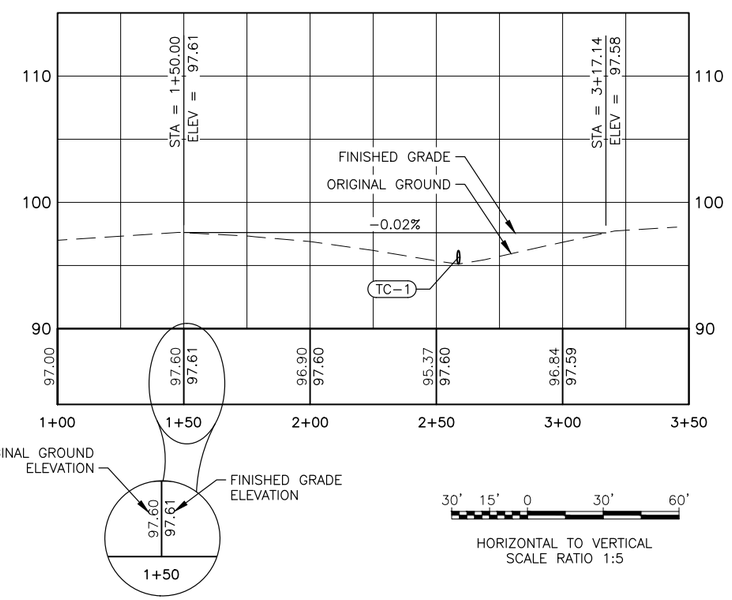




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AC7

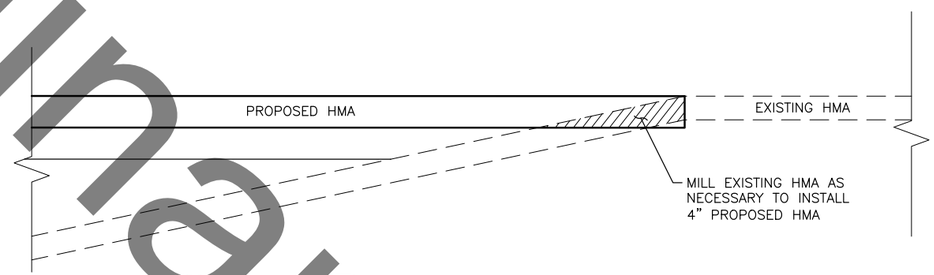
TEMPORARY TAXILANE SECTION

SCALE: NTS



30' 15' 0 30' 60'

HORIZONTAL TO VERTICAL
SCALE RATIO 1:5



2
AC7

TEMPORARY TAXILANE TRANSITION DETAIL

SCALE: NTS

Preliminary

NOTES:

1. TAXILANE OFA SHOWN THROUGH THE AIRCRAFT DETOUR IS SPECIFIC FOR CESSNA 208B GRAND AIRCRAFT.
2. CONSTRUCTION OF TEMPORARY TAXILANE SHALL BE PAID FOR UNDER APPROPRIATE BID ITEMS.
3. SEE SHEET 6 FOR TEMPORARY CULVERT INFORMATION.

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Layout Name: AC7
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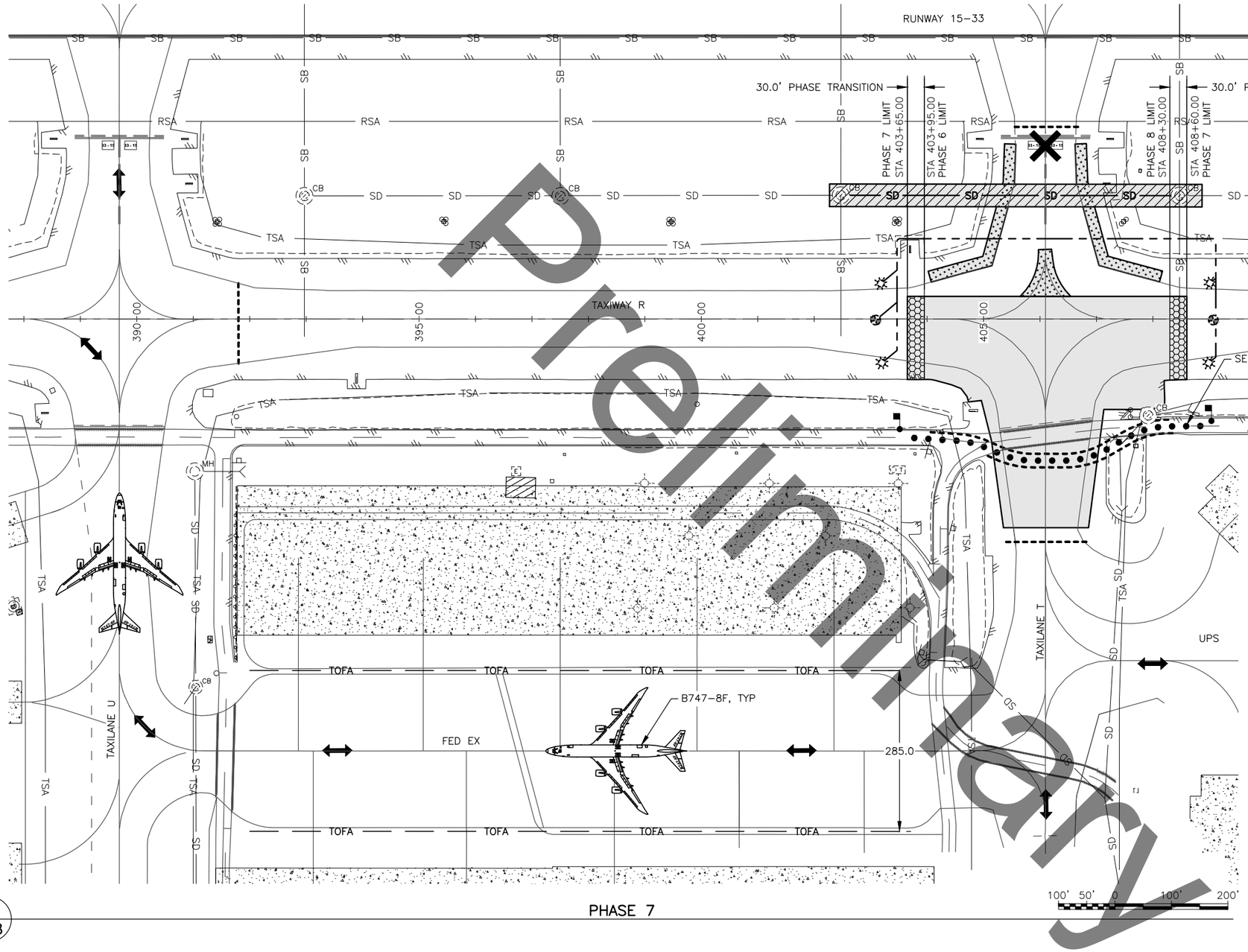
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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
PHASE 6A DETOUR PLAN & PROFILE

DATE: OCTOBER 2023

SHEET: AC7 OF AC12



PHASE 7

1
AC8

COMPLETE THE FOLLOWING PRIOR TO PHASE 7 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR CONSTRUCTION ACTIVITY OCCURRING IN THE PHASE 6 AREA
- COVER TAXIWAY & TAXILANE CENTERLINE, EDGE LIGHTS, AND SIGNS AS NECESSARY
- INSTALL HAZARD MARKER BARRIERS
- INSTALL TAXIWAY CLOSURE MARKER
- INSTALL BMP'S PER CONTRACTOR'S APPROVED SWPPP

COMPLETE THE FOLLOWING DURING PHASE 7 CONSTRUCTION

- REHABILITATE STORM DRAIN SYSTEM
- REHABILITATE LIGHTING SYSTEM
- REHABILITATE TAXIWAY/TAXILANE
- INSTALL TUG ROAD & TAXIWAY/TAXILANE MARKINGS

COMPLETE THE FOLLOWING AFTER PHASE 7 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS
- REMOVE TAXIWAY CLOSURE MARKER
- REMOVE BMP'S
- UNCOVER TAXIWAY & TAXILANE CENTERLINE, EDGE LIGHTS, AND SIGNS AS NECESSARY

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- TAXIWAY CLOSURE MARKER
- HAZARD MARKER BARRIER
- PHASE WORK AREA
- PHASE WORK AREA (STORM DRAIN)
- PHASE WORK AREA (FIXTURES & CONDUCTORS)
- PHASE TRANSITION AREA
- TEMPORARY JUMPER (SEE ELECTRICAL)
- TUG ROAD DETOUR
- AIRPORT FLAGGER

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. TOFA THROUGH THE AIRCRAFT DETOUR ARE SPECIFICALLY FOR B747–8F AIRCRAFT.
4. SEQUENCE WORK AND CONSTRUCT DETOUR AS NECESSARY TO MAINTAIN TUG ROAD ACCESS AT ALL TIMES THROUGH PHASE 7 WORK AREA.

Preliminary

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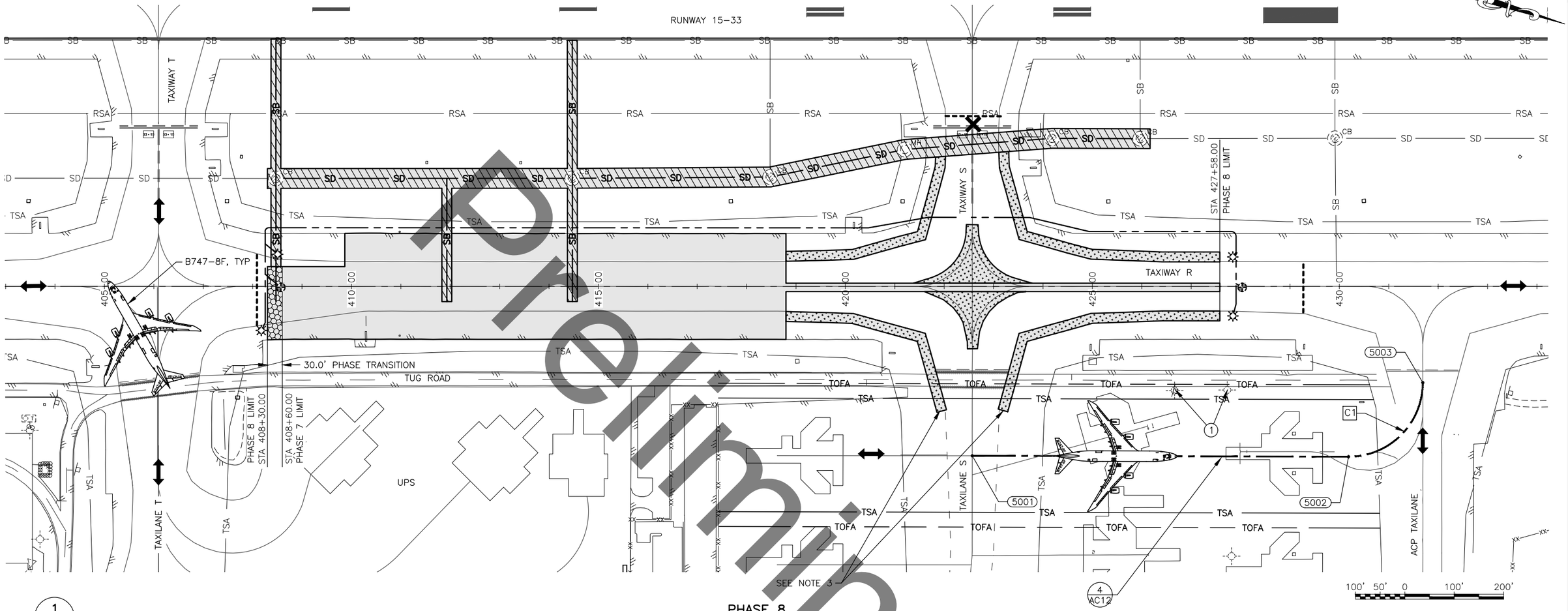
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ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
CSPP PHASE 7

DATE: OCTOBER 2023
SHEET: AC8 OF AC12

Designed By: RB
Drawn By: RB
Checked By: SB
Date Revised:
Layout Name: AC8
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1
AC9

PHASE 8

COMPLETE THE FOLLOWING PRIOR TO PHASE 8 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR CONSTRUCTION ACTIVITY OCCURRING IN THE PHASE 8 AREA
- COVER TAXIWAY & TAXILANE CENTERLINE, EDGE LIGHTS, AND SIGNS AS NECESSARY
- (1) REMOVE LIGHT POLES
- INSTALL HAZARD MARKER BARRIERS
- INSTALL TAXIWAY CLOSURE MARKER
- INSTALL BMP'S PER CONTRACTOR'S APPROVED SWPPP

COMPLETE THE FOLLOWING DURING PHASE 8 CONSTRUCTION

- REHABILITATE STORM DRAIN SYSTEM
- REHABILITATE LIGHTING SYSTEM
- REHABILITATE TAXIWAY/TAXILANE
- INSTALL TAXIWAY/TAXILANE MARKINGS

COMPLETE THE FOLLOWING AFTER PHASE 8 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS
- REMOVE TAXIWAY CLOSURE MARKER
- REMOVE BMP'S
- UNCOVER TAXIWAY & TAXILANE CENTERLINE, EDGE LIGHTS, AND SIGNS AS NECESSARY

MARKING POINT TABLE

POINT	STATION	OFFSET (FT)	REMARKS
5001	422+56.79	342.80 RT	PI
5002	430+18.52	344.69 RT	PC, CURVE 1
5003	431+68.89	194.75 RT	PT, CURVE 2

CURVE TABLE

CURVE	STATION	OFFSET (FT)	RADIUS (FT)
C1	430+18.89	194.69 RT	150

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- TAXIWAY CLOSURE MARKER
- HAZARD MARKER BARRIER
- PHASE WORK AREA
- PHASE WORK AREA (STORM DRAIN)
- PHASE WORK AREA (LIGHT FIXTURES & CONDUCTORS)
- PHASE TRANSITION AREA
- TEMPORARY TAXILANE MARKINGS
- TEMPORARY JUMPER (SEE ELECTRICAL)

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. CONTRACTOR SHALL VACATE PERSONNEL & EQUIPMENT IN DETOUR SAFETY AREA DURING AIRCRAFT MOVEMENTS.
4. TSA AND TOFA SHOWN FOR ADG VI AIRCRAFT.

Preliminary

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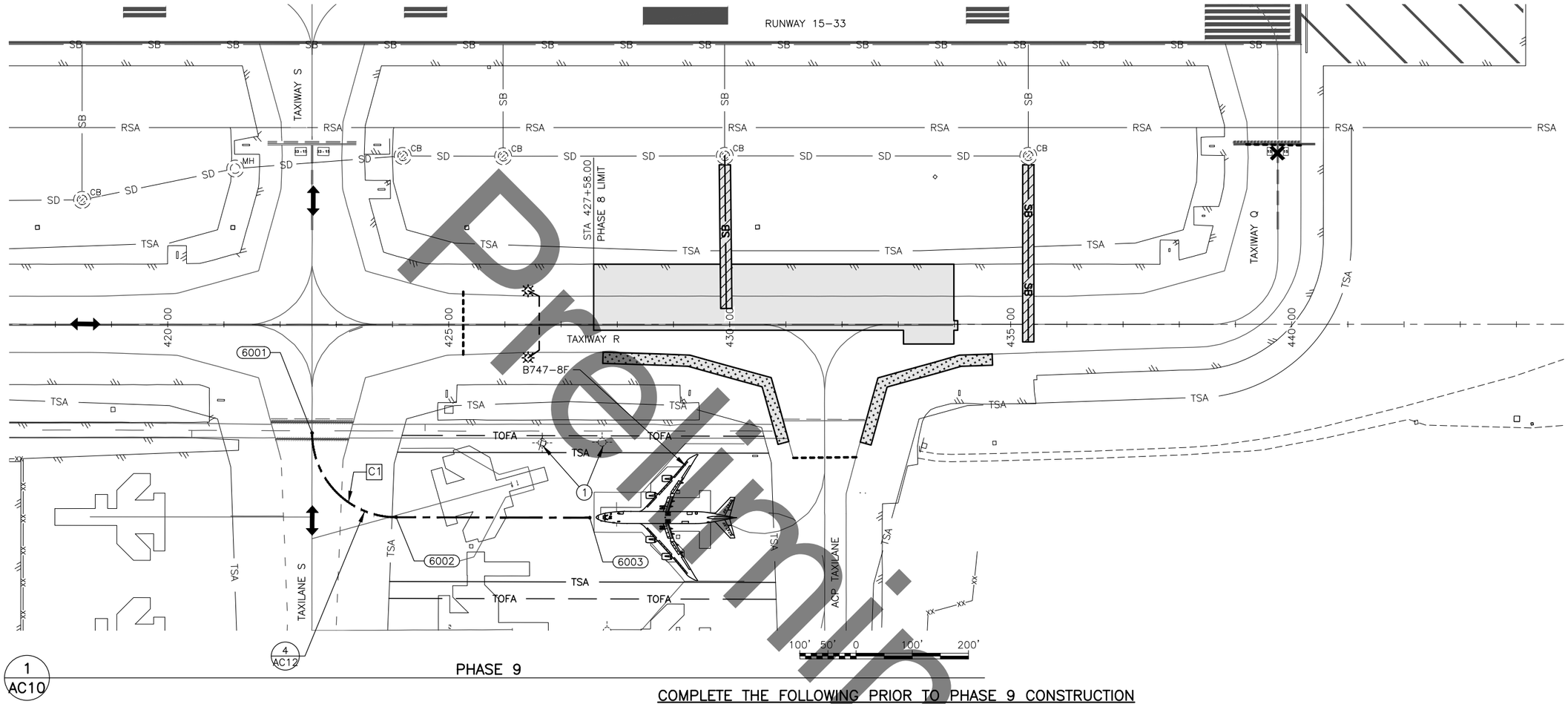
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PROJECT No. CFAPT00880
AIP No. 3–02–0016–XXX–2024
CSPP PHASE 8

DATE: OCTOBER 2023
SHEET: AC9 OF AC12

Designed By: RB
Drawn By: RB
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Layout Name: AC9
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1 AC10

PHASE 9

COMPLETE THE FOLLOWING PRIOR TO PHASE 9 CONSTRUCTION

- COORDINATE THROUGH THE ENGINEER TO ISSUE A NOTAM FOR CONSTRUCTION ACTIVITY OCCURRING IN THE PHASE 9 AREA
- COVER TAXIWAY & TAXILANE CENTERLINE, EDGE LIGHTS, AND SIGNS AS NECESSARY
- INSTALL HAZARD MARKER BARRIERS
- INSTALL TAXIWAY CLOSURE MARKER
- INSTALL BMP'S PER CONTRACTOR'S APPROVED SWPPP

COMPLETE THE FOLLOWING DURING PHASE 9 CONSTRUCTION

- REHABILITATE LIGHTING SYSTEM
- REHABILITATE TAXIWAY
- REHABILITATE STORM DRAIN SYSTEM
- INSTALL TAXIWAY/TAXILANE MARKINGS

COMPLETE THE FOLLOWING AFTER PHASE 9 CONSTRUCTION

- REMOVE HAZARD MARKER BARRIERS
- REMOVE TAXIWAY CLOSURE MARKER
- REMOVE BMP'S

(1) RE-INSTALL LIGHT POLES REMOVED IN PHASE 8 (SEE SHEET AC9)

- UNCOVER TAXIWAY & TAXILANE CENTERLINE, EDGE LIGHTS, AND SIGNS AS NECESSARY

LEGEND:

- AIRCRAFT MOVEMENT DIRECTION
- TAXIWAY CLOSURE MARKER
- HAZARD MARKER BARRIER
- PHASE WORK AREA
- PHASE WORK AREA (STORM DRAIN)
- PHASE WORK AREA (LIGHT FIXTURES & CONDUCTORS)
- PHASE TRANSITION AREA
- TEMPORARY TAXILANE MARKINGS
- TEMPORARY JUMPER (SEE ELECTRICAL)

MARKING POINT TABLE			
POINT	STATION	OFFSET (FT)	REMARKS
6001	422+56.90	193.23 RT	PC, CURVE 1
6002	424+06.53	343.17 RT	PT, CURVE 1
6003	427+51.11	344.03 RT	PI

CURVE TABLE			
CURVE	STATION	OFFSET (FT)	RADIUS (FT)
C1	424+06.90	193.17 RT	150

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. CONTRACTOR SHALL VACATE PERSONNEL & EQUIPMENT IN DETOUR SAFETY AREA DURING AIRCRAFT MOVEMENTS.
4. TSA AND TOFA SHOWN FOR ADG VI AIRCRAFT.

Preliminary

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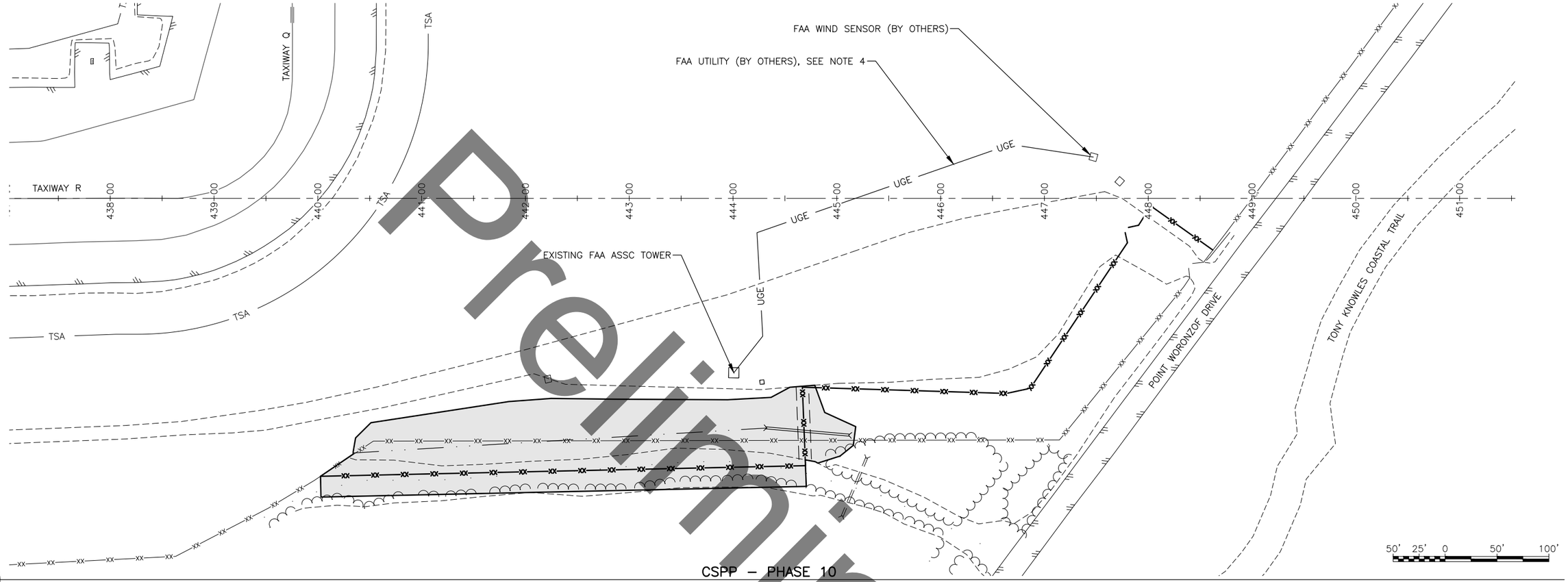
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PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
CSPP PHASE 9

DATE: OCTOBER 2023

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Designed By: RB
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AC11

CSPP – PHASE 10

Preliminary

COMPLETE THE FOLLOWING PRIOR TO PHASE 10 CONSTRUCTION

- INSTALL BMP'S PER CONTRACTOR'S APPROVED SWPPP
- INSTALL TEMPORARY SIGNS AND OTHER TRAFFIC CONTROL DEVICES AS REQUIRED TO PERFORM WORK

COMPLETE THE FOLLOWING DURING PHASE 10 CONSTRUCTION

- REMOVE EXISTING FENCING AND GATE
- REMOVE SIGNAGE ON EXISTING FENCE AND GATE
- HAND CLEAR TREES WITHIN 20' OF PROPOSED FENCE
- INSTALL NEW FENCING & GATE
- RESET EXISTING SIGNAGE ON NEW FENCE AND GATE
- GRUB & REGRADE DITCH
- INSTALL CULVERT
- TOPSOIL & SEED ALL DISTURBED AREAS

COMPLETE THE FOLLOWING AFTER PHASE 10 CONSTRUCTION

- REMOVE BMP'S
- REMOVE TEMPORARY SIGNS AND TRAFFIC CONTROL DEVICES

LEGEND:

PHASE WORK AREA

SHEET NOTES:

1. NOTIFY ANC OPERATIONS THROUGH THE ENGINEER 3 WEEKS PRIOR TO BEGINNING WORK.
2. CONTRACTOR SHALL MAINTAIN ACCESS ON POINT WORONZOF ROAD AT ALL TIMES.
3. CONTRACTOR SHALL MAINTAIN A SECURED PERIMETER THROUGHOUT CONSTRUCTION.
4. CONTRACTOR IS REQUIRED TO COORDINATE ACCESS AND WORK WITH FAA PROJECT: ESTABLISH SURFACE WEATHER SYSTEM (1300924) WHICH MAY OCCUR CONCURRENTLY WITH THIS WORK.

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File Path and Name: J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00880-ANC-CSPP-Phase 10.dwg

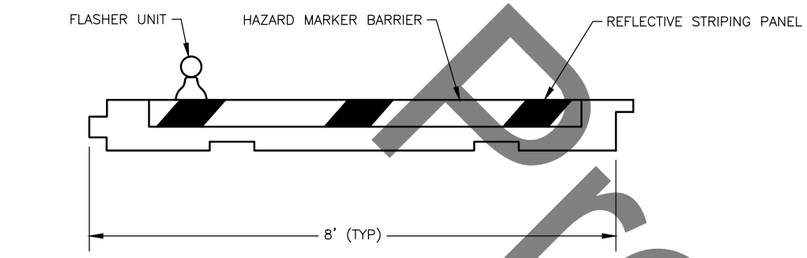
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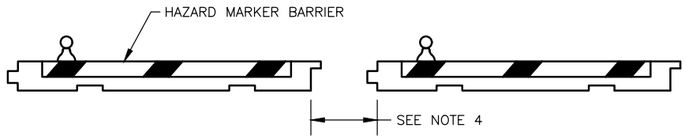
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TED STEVENS ANCHORAGE
ANCHORAGE, ALASKA
ANC TWY R NORTH IMPROVEMENTS
PROJECT No. CFAPT00880
AIP No. 3-02-0016-XXX-2024
CSPP – PHASE 10

DATE: OCTOBER 2023
SHEET: AC11 OF AC12



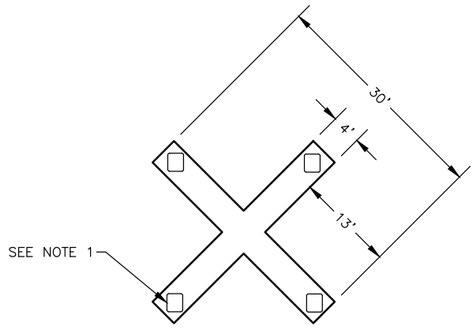
1 AC12 AVIATION HAZARD MARKER BARRICADE DETAIL
SCALE: NTS



2 AC12 CONSTRUCTION CLOSURE HAZARD MARKER BARRIER DETAIL
SCALE: NTS

BARRICADE NOTES:

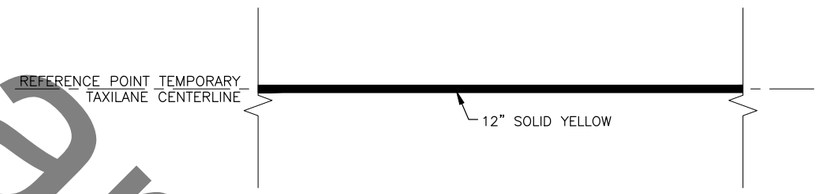
1. FLASHER SHALL BE BATTERY POWERED LIGHTS, TYPE "A", OF LOW INTENSITY, FLASHING, CONFORMING TO PART VI OF THE MANUAL ON TRAFFIC CONTROL DEVICES, 2009 EDITION.
2. ATTACH FLASHER PER MANUFACTURER'S RECOMMENDATIONS.
3. PLACE BARRIERS TO SEPARATE CONSTRUCTION AREAS FROM OPEN PORTIONS OF THE AIRPORT.
4. ALL BARRIERS SHALL BE INTERLOCKED. DISTANCE BETWEEN BARRIERS MAY BE ADJUSTED IF APPROVED BY THE ENGINEER.



3 AC12 TAXIWAY CLOSURE MARKER DETAIL
SCALE: NTS

TAXIWAY CLOSURE MARKER NOTES:

1. INSTALL YELLOW SANDBAGS TO SECURE TAXIWAY CLOSURE MARKER TO SURFACE.



4 AC12 TEMPORARY TAXILANE CENTERLINE MARKINGS
NTS

Preliminary

Designed By:	RB
Drawn By:	RB
Checked By:	SB
Date Revised:	10/19/2023 12:38 PM
Layout Name:	AC12
File Path and Name:	J:\JobsData\30125.00 Anc Taxiway R North Improvements\00 Cadd 2019\01 Working Set\01 Civil\00860-ANC-CSPP-Details.dwg

PLANS DEVELOPED BY:
CRW ENGINEERING GROUP, INC.
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

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