

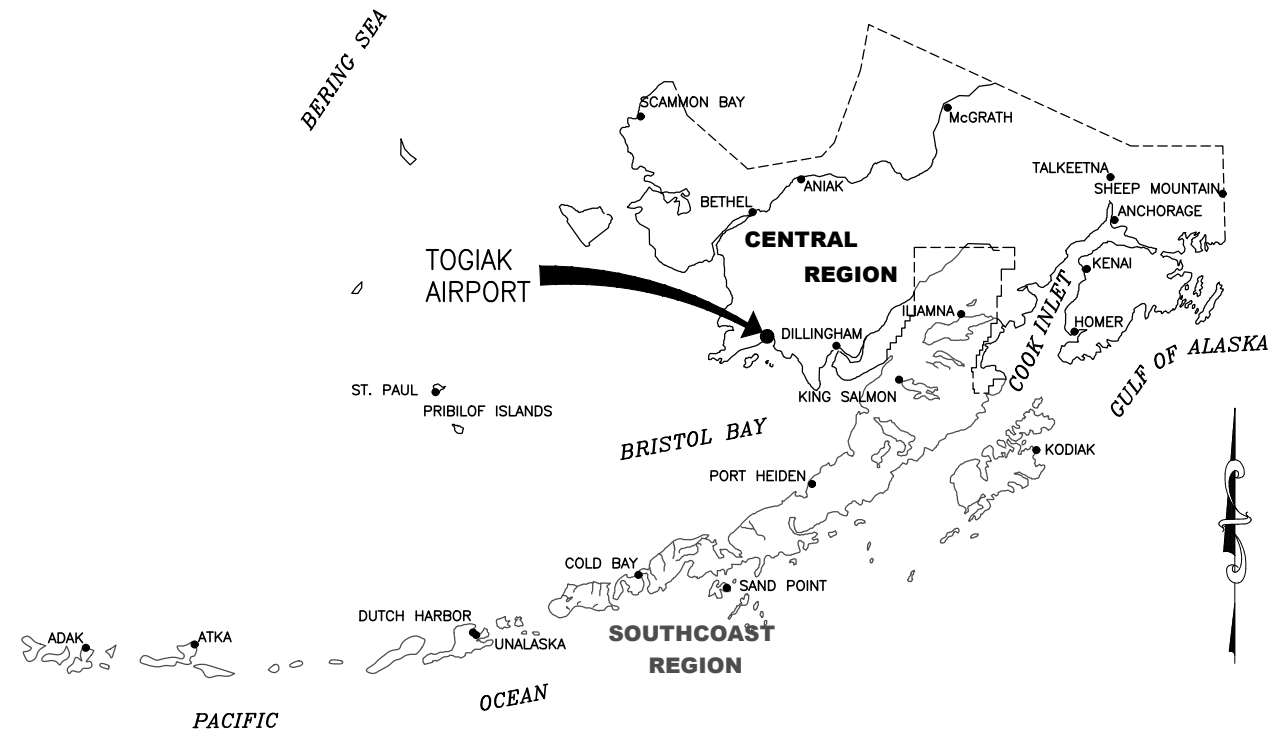
4/15/2019, 11:12 AM

Date Revised:
Layout Name:
File Path and Name:

4/15/2019, 11:12 AM
Cover
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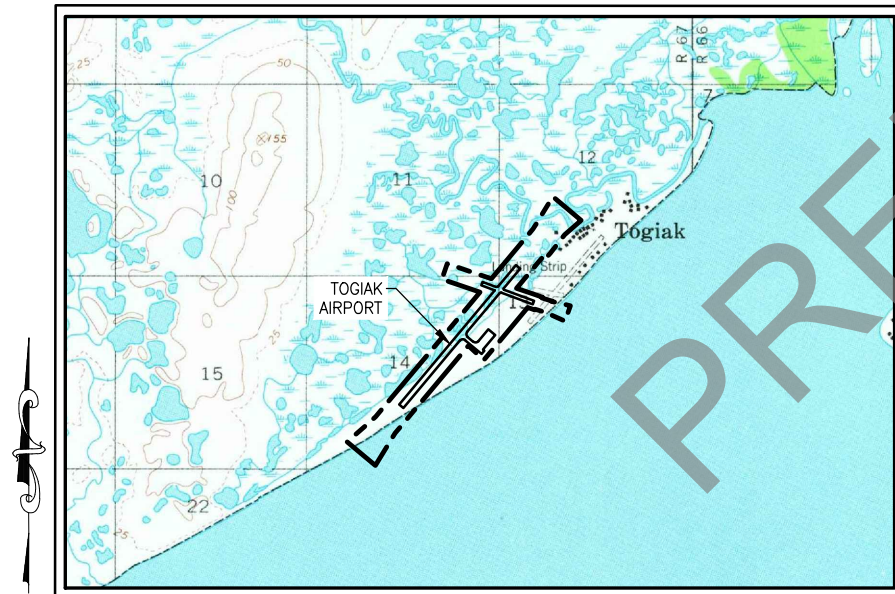
MM
RLC
EJC

Designed By:
Drawn By:
Checked By:



**ALASKA CENTRAL REGION
LOCATION MAP**

NOT TO SCALE



VICINITY MAP

SCALE 1"= 1/2 MILE
T 13 S, R 67 W
SEWARD MERIDIAN
U.S.G.S. GOODNEWS BAY A-4

CONSTRUCTION PLANS TOGIAK AIRPORT

**TOGIAK, ALASKA
RESURFACING AND LIGHTING REPLACEMENT
PROJECT No. CFAPT00276
AIRPORT IMPROVEMENT PROGRAM
No. 3-02-0402-002-20XX
2019**

**Pre-PS&E
APRIL 2019**

PLANS DEVELOPED BY:
R&M CONSULTANTS, INC.
9101 VANGUARD DR.
ANCHORAGE, AK 99507
(907) 522-1707
CERT. OF AUTH. NO. AECC111

BY	DATE	REVISION

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

TOGIAK AIRPORT
TOGIAK, ALASKA
RESURFACING AND LIGHTING REPLACEMENT
PROJECT No. CFAPT00276
AIP No. 3-02-0402-002-20XX
COVER

DATE:
4/15/2019
SHEET:
1 OF 15

Date Reviset:
Layout Name:
File Path and Name:

4/15/2019, 11:12 AM
Index
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Designed By:
Drawn By:
Checked By:

MIM
RLC
EJC

INDEX		LEGEND		ABBREVIATIONS				
SHEET TITLE	SHEET No.	DESCRIPTION	EXISTING	PROPOSED				
COVER	1	AIRCRAFT TIE DOWNS			AC	ADVISORY CIRCULAR	NWI	NATIONAL WETLAND INVENTORY
INDEX, LEGEND & ABBREVIATIONS	2	AIRPORT BEACON			ADOT&PF	ALASKA DEPARTMENT OF TRANSPORTATION & PUBLIC FACILITIES	OFA	OBJECT FREE AREA
ESTIMATED QUANTITIES	3	AIRPORT PROPERTY BOUNDARY			AWOS	AUTOMATED WEATHER OBSERVING SYSTEM	OFF	OFFSET
PROJECT LAYOUT PLAN	4	AWOS			BMPs	BEST MANAGEMENT PRACTICES	OFZ	OBSTACLE FREE ZONE
DEMOLITION PLAN	5	BOLLARD			BRL	BUILDING RESTRICTION LINE	OHE	OVERHEAD ELECTRIC
TYPICAL SECTIONS	6	BUILDING			BVCS	BEGIN VERTICAL CURVE STATION	PACS	PRIMARY AIRPORT CONTROL STATION
TYPICAL SECTIONS	7	CENTERLINE (RUNWAY/TAXIWAY)			BVCE	BEGIN VERTICAL CURVE ELEVATION	PAPI	PRECISION APPROACH PATH INDICATOR
RUNWAY PLAN & PROFILE	8	CONTAMINATED SITE			CASC	CRUSHED AGGREGATE SURFACE COURSE	PC	POINT OF CURVATURE
RUNWAY PLAN & PROFILE	9	CONTOUR LABEL			CL	CENTERLINE	PERF	PERFORATED
TAXIWAY PLAN & PROFILE	10	CUT/FILL LIMITS			CS	CONTINGENT SUM	PI	POINT OF TANGENT INTERSECTION
AIRPORT ACCESS ROAD GRADING PLAN & PROFILE	11	DETAIL CALLOUT						

4/15/2019, 11:12 AM

Date Revised: 4/15/2019, 11:12 AM

Layout Name: Est Quantities

File Path and Name: Z:\project\2653.01 DOT_C Togalak Airport Resurfacing\Civil\ACAD\2653.01-Cover-Index-Est Quantities.dwg

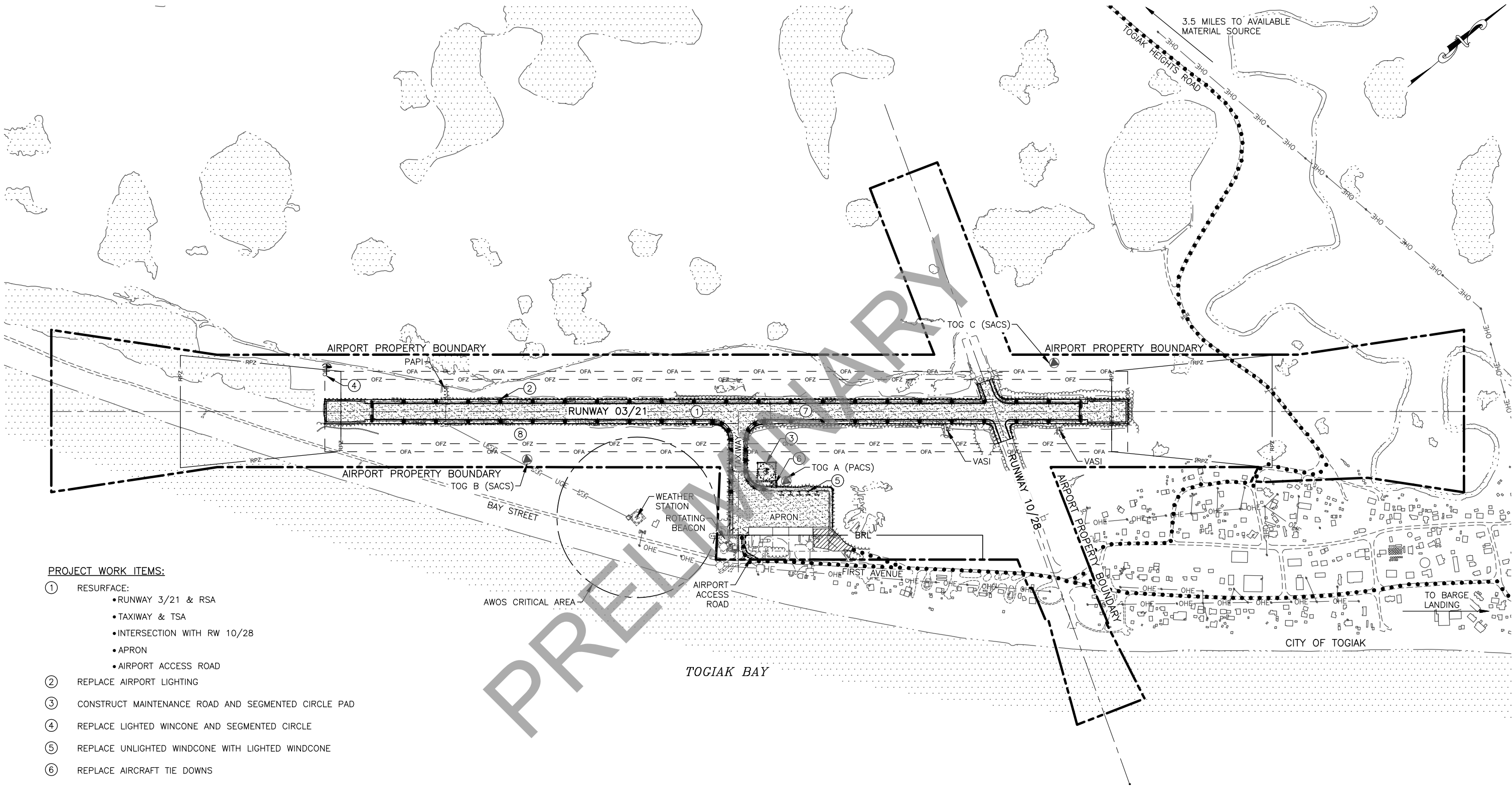
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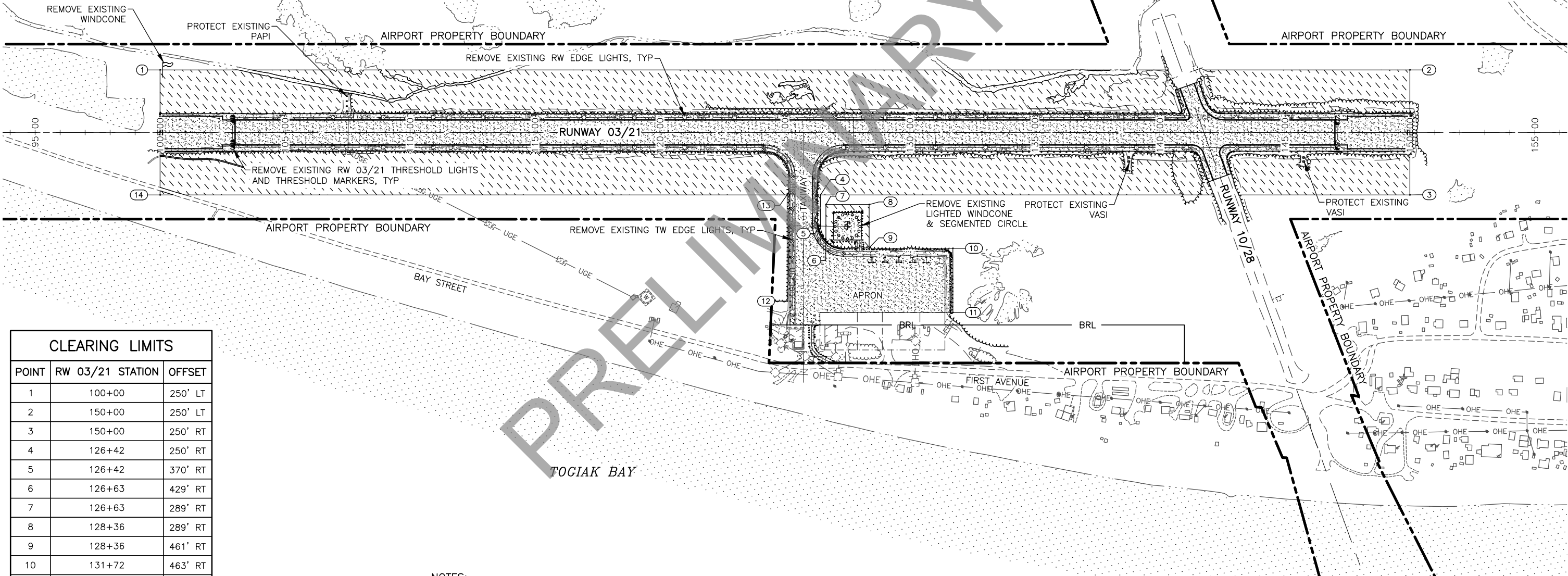
Drawn By: RLC

Checked By: EJC

ESTIMATED QUANTITIES

No.	ITEM	UNIT		No.	ITEM	UNIT	QUANTITY	No.	ITEM	UNIT	QUANTITY
G100.010.0000	MOBILIZATION AND DEMOBILIZATION	LUMP SUM	ALL REQ'D	L108.070.0000	GROUND ROD	EACH	28				
G115.010.0000	WORKERS MEALS AND LODGING, OR PER DIEM	LUMP SUM	ALL REQ'D	L110.030.1002	RIGID STEEL CONDUIT, 2-INCH	LINEAR FOOT	210				
G130.010.0000	FIELD OFFICE	LUMP SUM	ALL REQ'D	L110.080.1002	HDPE CONDUIT, 2-INCH	LINEAR FOOT	10,360				
G130.020.0000	FIELD LABORATORY	LUMP SUM	ALL REQ'D	P151.010.0000	CLEARING	ACRE	41				
G130.060.0000	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1	P152.010.0000	UNCLASSIFIED EXCAVATION	CUBIC YARD	1,450				
G130.110.0000	FIELD COMMUNICATIONS	CONTINGENT SUM	ALL REQ'D	P152.030.0000	COMMON EXCAVATION	CUBIC YARD	4,500				
G131.010.0000	ENGINEERING TRANSPORTATION (TRUCK)	EACH	3	P167.010.0000	DUST PALLIATIVE	SQUARE YARD	123,000				
G131.020.0000	ENGINEERING TRANSPORTATION (ATV)	EACH	1	P299.010.0000	CRUSHED AGGREGATE SURFACE COURSE	CUBIC YARD	30,750				
G135.010.0000	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LUMP SUM	ALL REQ'D	P640.020.0000	SEGMENTED CIRCLE (PANEL-TYPE)	LUMP SUM	ALL REQ'D				
G135.020.0000	EXTRA THREE PERSON SURVEY PARTY	HOUR	50	P641.010.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LUMP SUM	ALL REQ'D				
G150.010.0070	EQUIPMENT RENTAL, DOZER 70-HP MINIMUM	HOUR	50	P641.020.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CONTINGENT SUM	ALL REQ'D				
G300.010.0000	CPM SCHEDULING	LUMP SUM	ALL REQ'D	P641.050.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL BY DIRECTIVE	CONTINGENT SUM	ALL REQ'D				
G700.010.0000	AIRPORT FLAGGER	CONTINGENT SUM	ALL REQ'D	P641.060.0000	WITHHOLDING	CONTINGENT SUM	ALL REQ'D				
G710.010.0000	HIGHWAY TRAFFIC MAINTENANCE	LUMP SUM	ALL REQ'D	P641.070.0000	SWPPP MANAGER	LUMP SUM	ALL REQ'D				
G710.020.0000	HIGHWAY FLAGGER	CONTINGENT SUM	ALL REQ'D	P650.020.0000	SOIL ANCHOR TIE-DOWN	SET	5				
L100.030.0000	M										



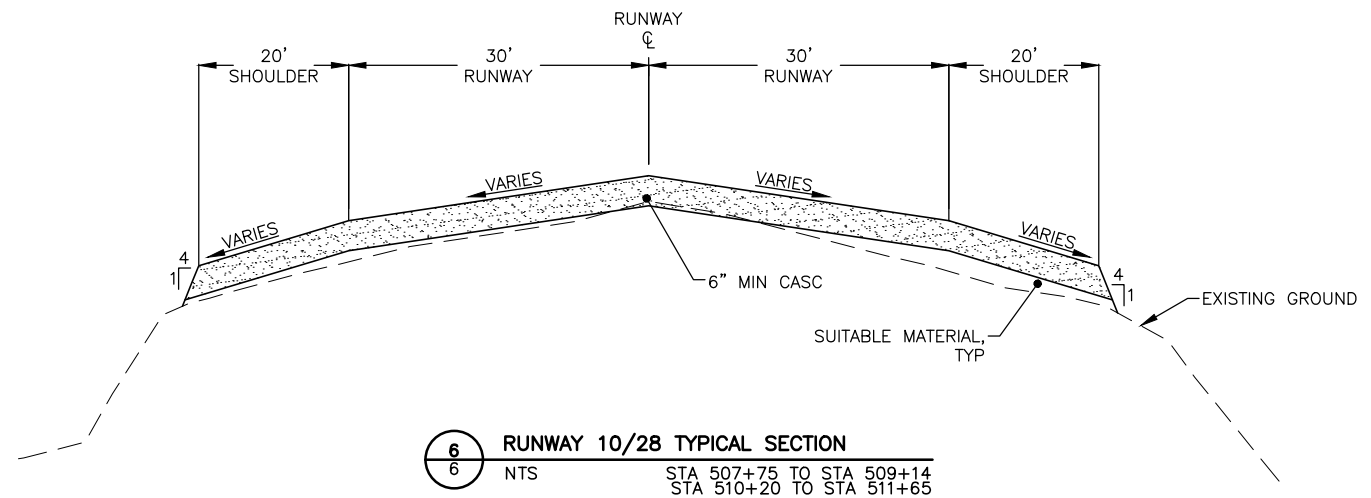
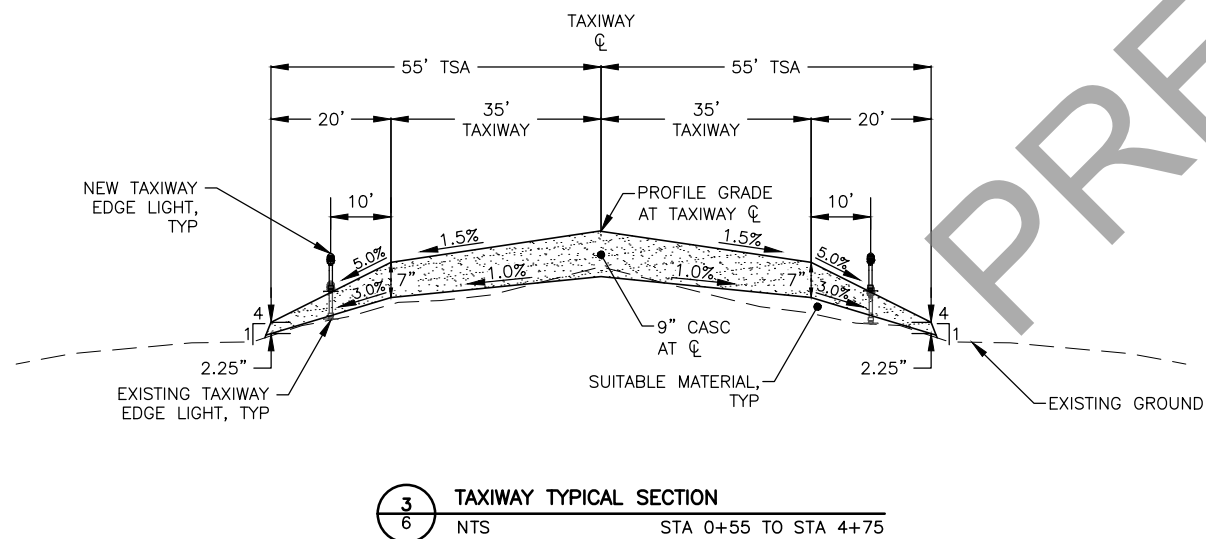
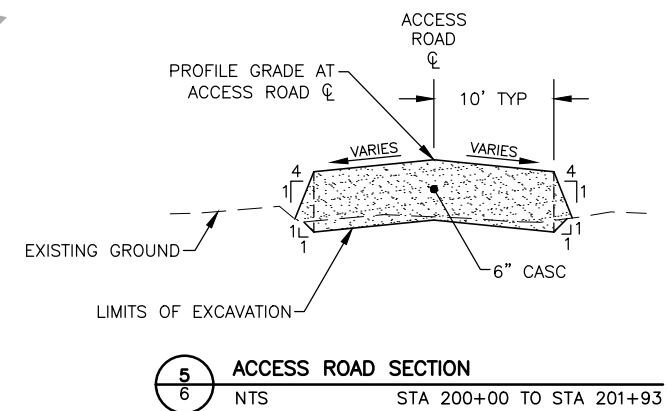
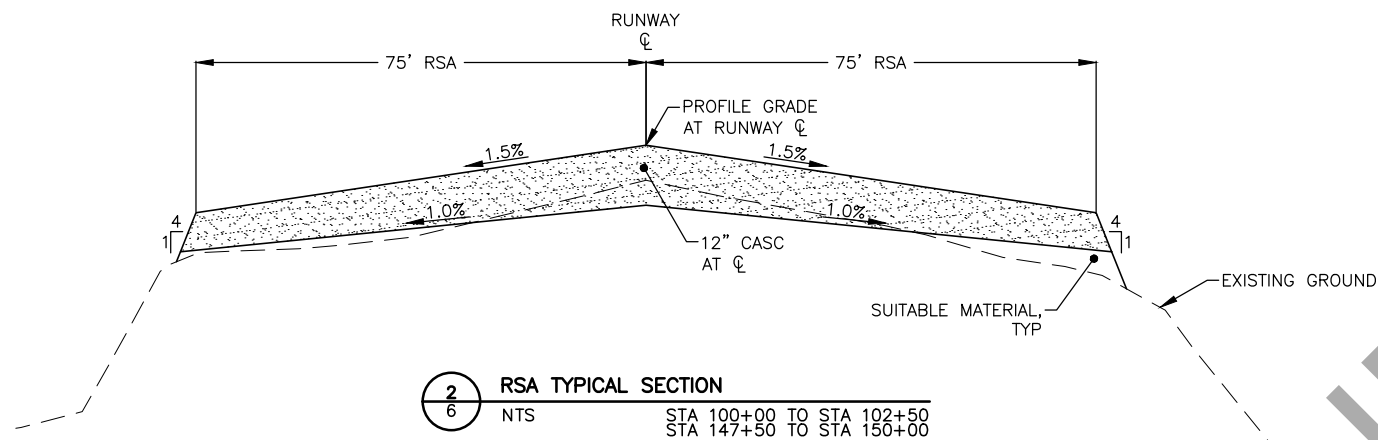
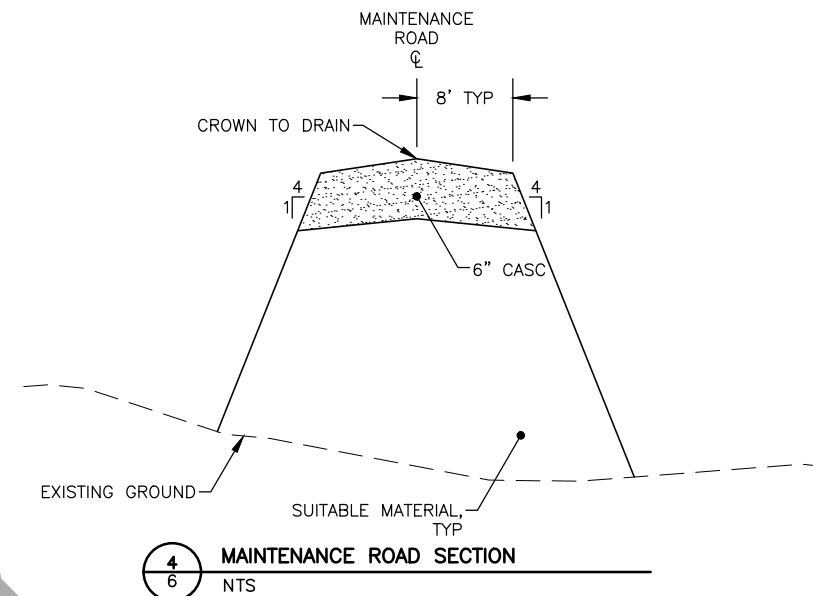
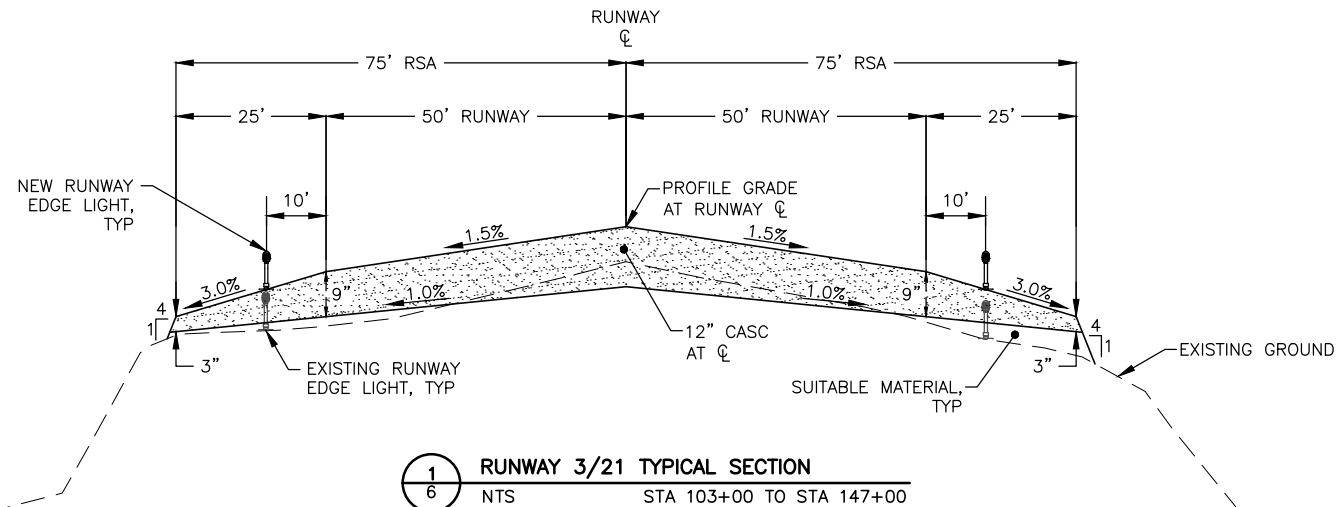


CLEARING LIMITS		
POINT	RW 03/21 STATION	OFFSET
1	100+00	250' LT
2	150+00	250' LT
3	150+00	250' RT
4	126+42	250' RT
5	126+42	370' RT
6	126+63	429' RT
7	126+63	289' RT
8	128+36	289' RT
9	128+36	461' RT
10	131+72	463' RT
11	131+72	720' RT
12	125+09	675' RT
13	125+08	250' RT
14	100+00	250' RT

NOTES:

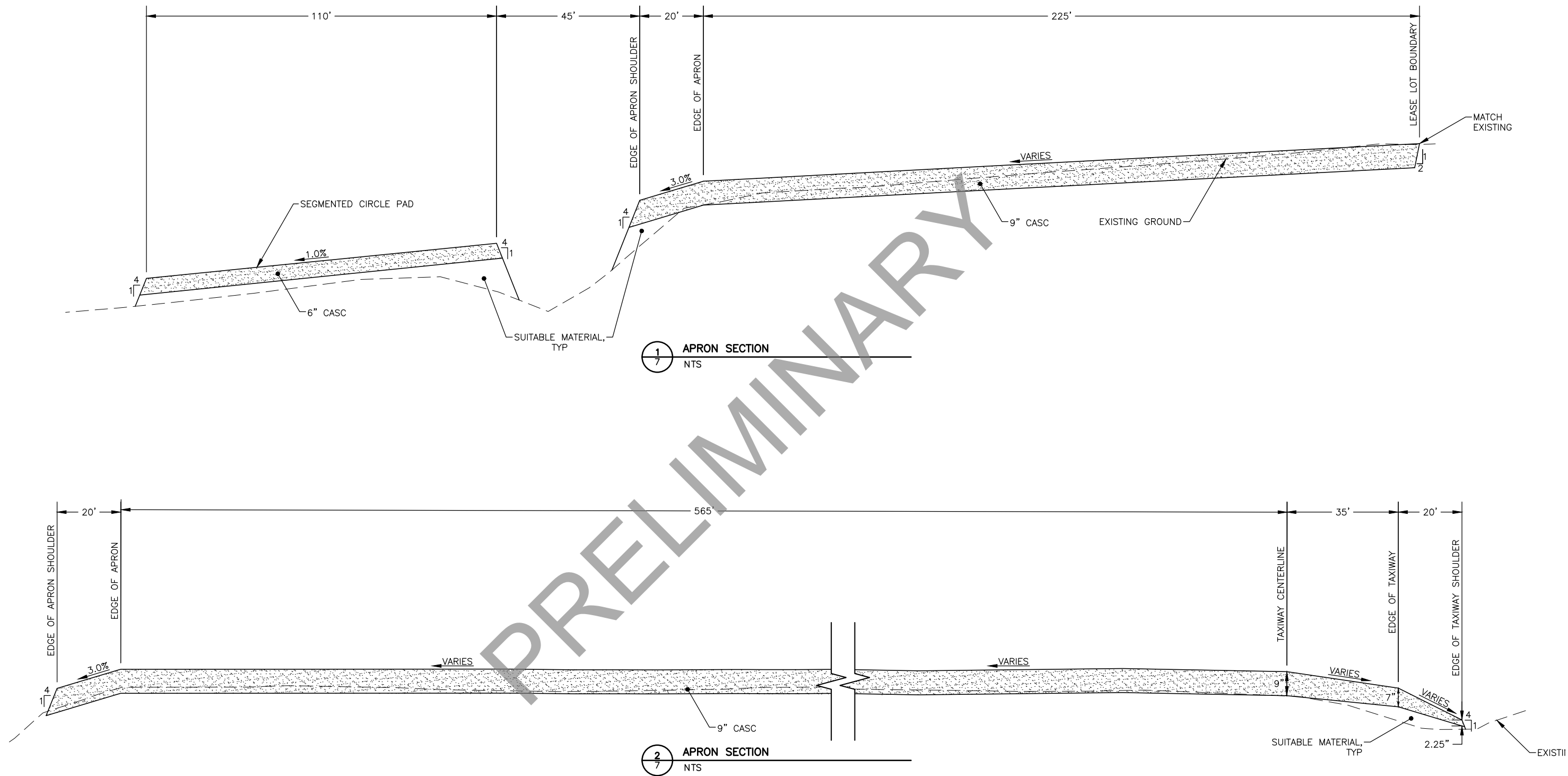
- SEE ELECTRICAL SHEETS FOR REM

4/15/2019 3:41 PM
TYP Section 1
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Designed By: MM
Drawn By: RLC
Checked By: EJC

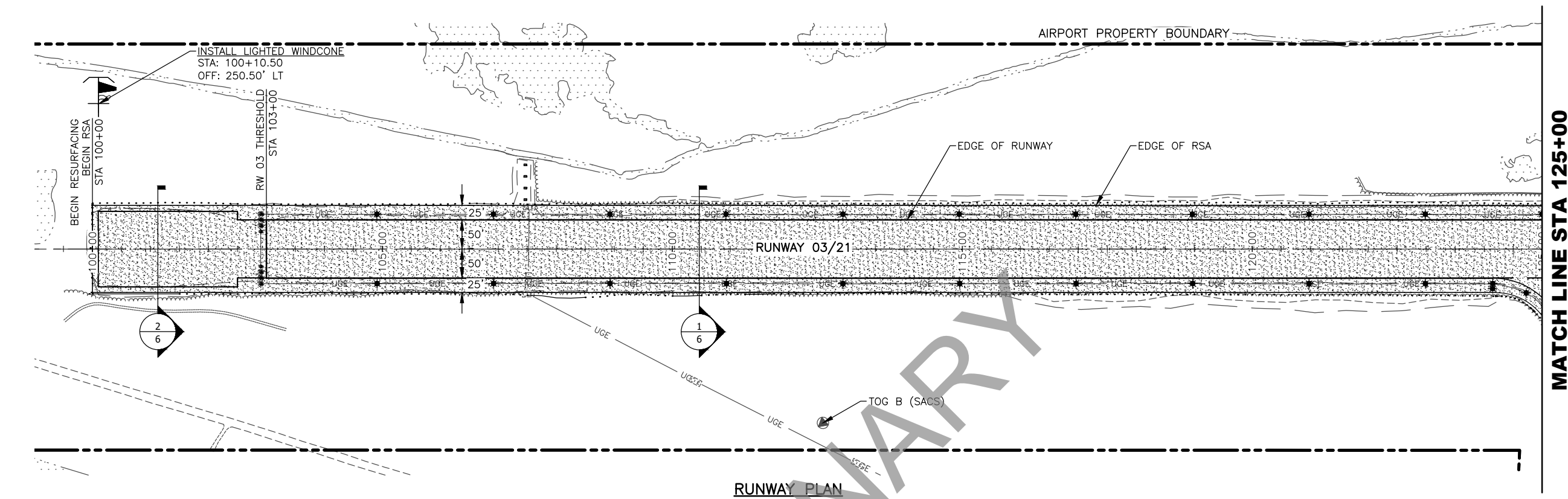


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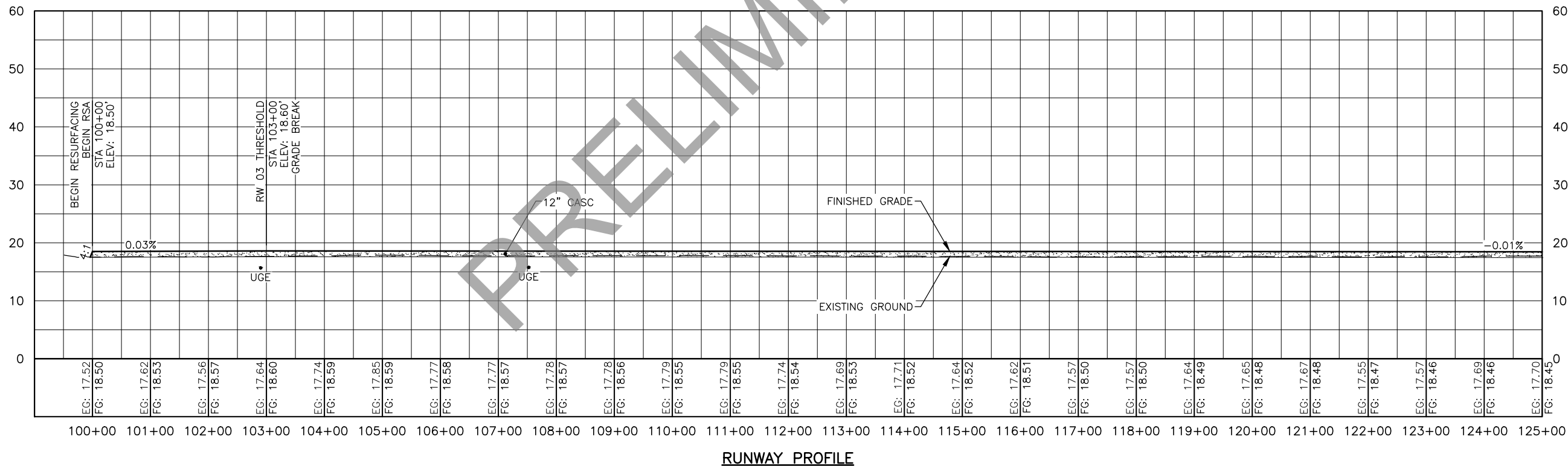
1. COMPACT CASC AND SUITABLE MATERIAL TO 95% OF MAXIMUM DENSITY.
2. TRANSITION CROSS SLOPES FROM STATION 102+50 TO 103+0



- NOTES:
1. COMPACT CASC AND SUITABLE MATERIAL TO 95% OF MAXIMUM DENSITY.
 2. APPLY DUST PALLIATIVE TO ALL

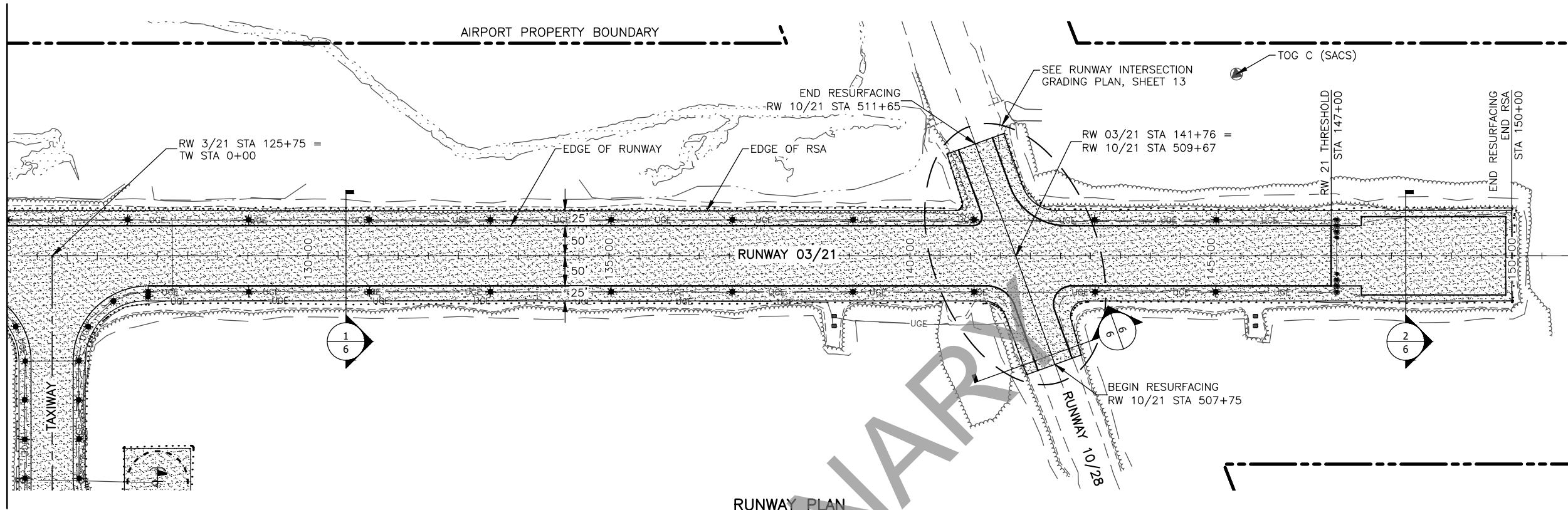


RUNWAY PLAN



Date Revised: 4/15/2019, 4:21 PM
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Designed By: MM
Drawn By: RLC
Checked By: EJC

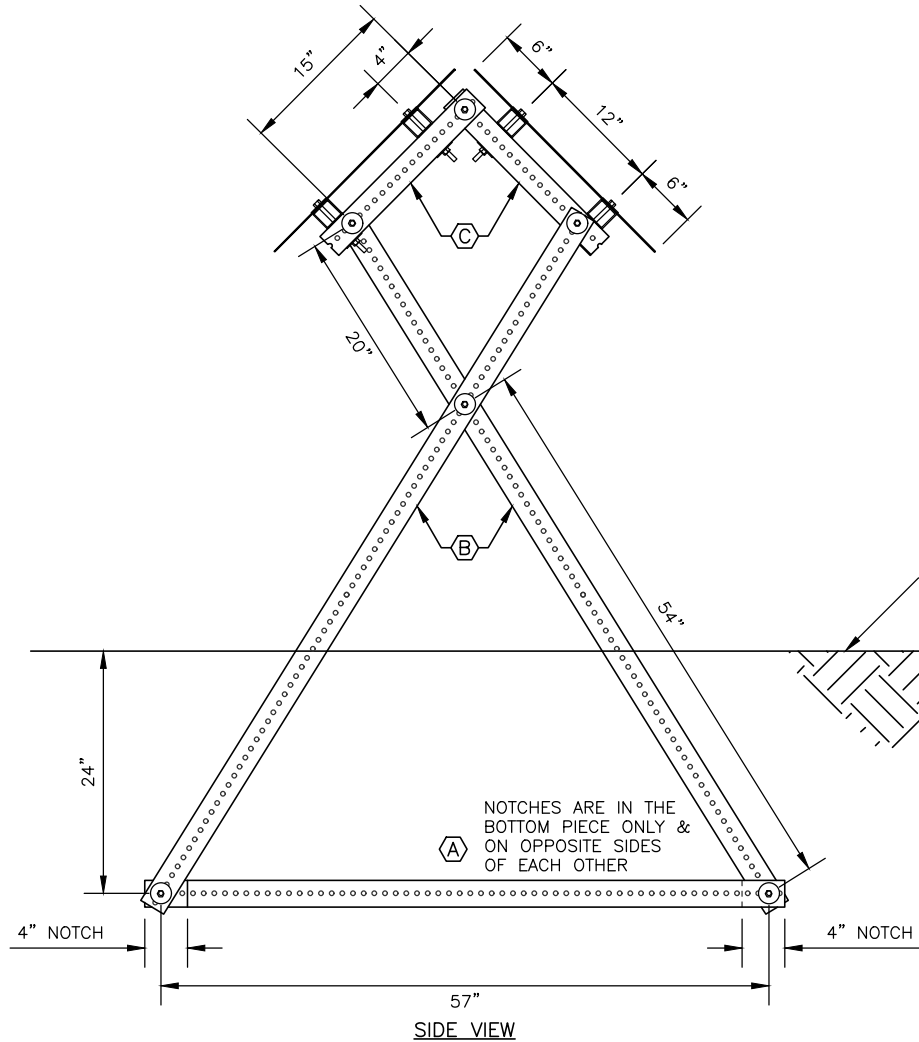
MATCH LINE STA 125+00

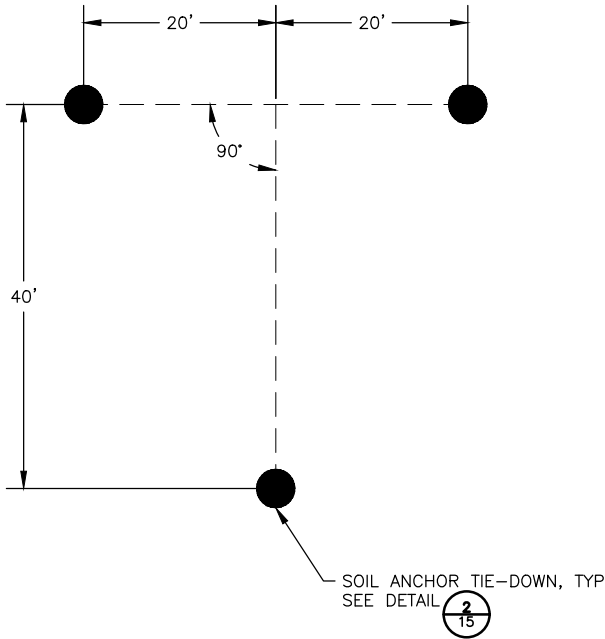


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Designed By: MM
Drawn By: RLC
Checked By: EJC
Date Revised:
Layout Name:
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SEGMENTED CIRCLE PANEL ASSEMBLY HARDWARE		
PIECE	DESCRIPTION	QUANTITY
(A)	2-½" SQ GALV STEEL PERF TUBE, 60", NOTCHED	2
(B)	2-½" SQ GALV STEEL PERF TUBE, 76-½"	4
(C)	2-½" SQ GALV STEEL PERF TUBE, 19-½"	4
(D)	2" SQ GALV STEEL PERF TUBE, 96"	4
(E)	24"x96"x0.08"-0.09" THICK ALUMINUM 6061-T6 OR 5052-H36/38	2
	¾"x3" GALV BOLT, NUT	24
	¾"x5" GALV BOLT, NUT	4
	¾"x6" GALV BOLT, NUT	16
	¾" GALV REGULAR WASHER	48
	¾"x2" DIA SS FENDER WASHER	40
	24"x96" REFLECTIVE SHEETING	2

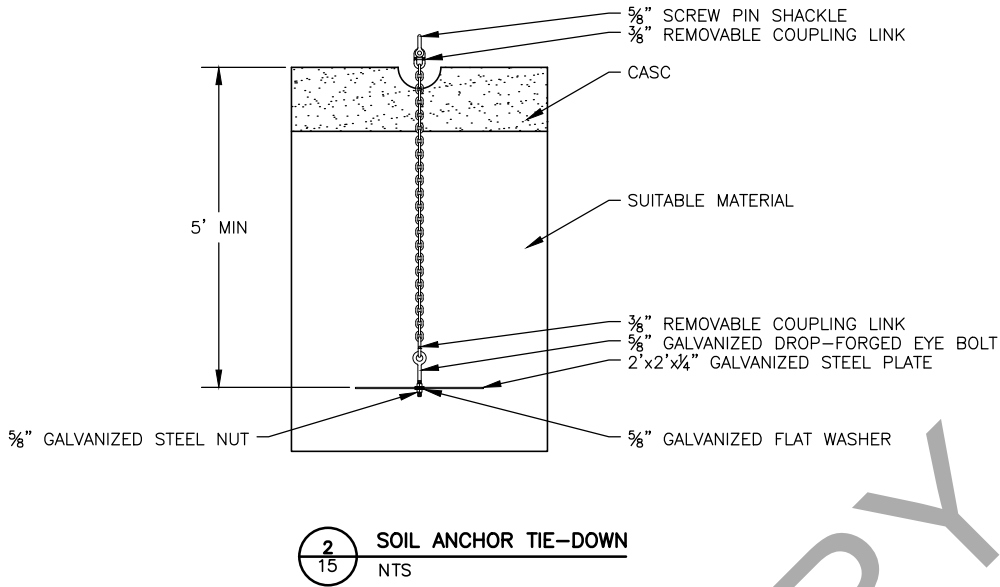
- NOTES:
- CRITICAL ASSEMBLY DIMENSIONS ARE BETWEEN HOLES.
 - PAINT ALL CUT EDGES WITH COLD GALVANIZING.
 - APPLY REFLECTIVE FILM TO PANELS BEFORE ASSEMBLY.
 - LEVEL ASSEMBLY BEFORE BACKFILLING.
 - STEEL PERFORATED TUBING SHALL BE 12-GAGE STEEL, GALVANIZED, WITH ⅞-INCH HOLES PUNCHED OR DRILLED ON ALL SIDES ON 1-INCH CENTERS.





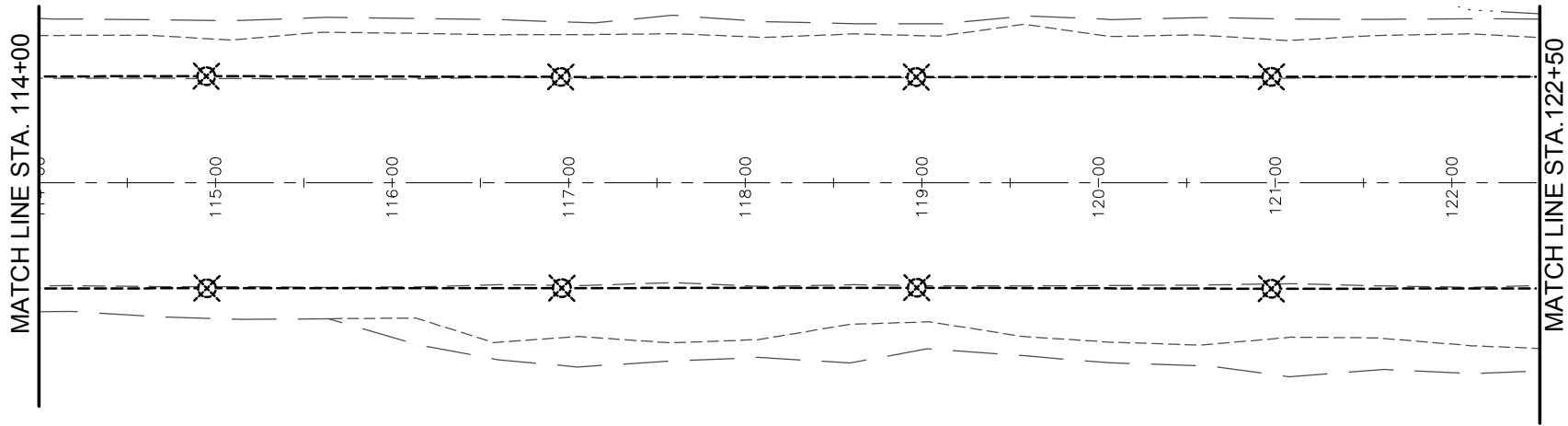
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15

AIRCRAFT TIE-DOWN LAYOUT PLAN
NTS



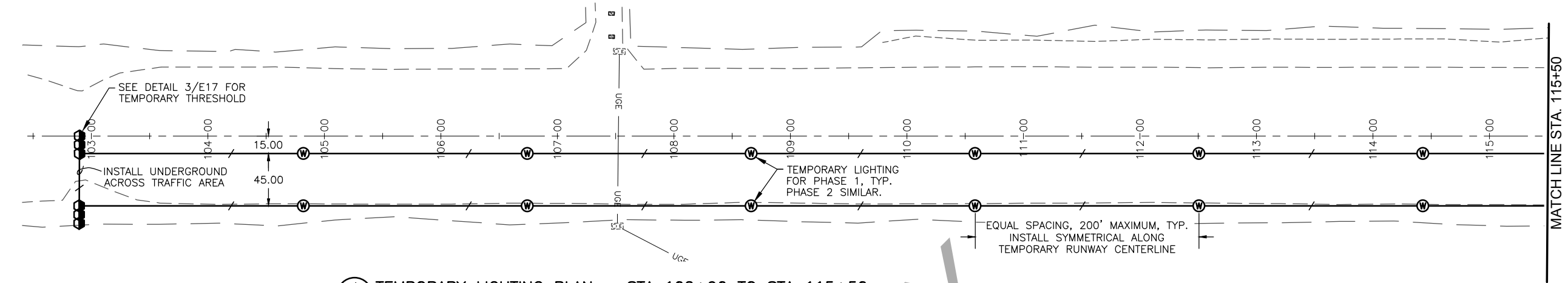
PRELIMINARY

PLANS DEVELOPED BY: R&M CONSULTANTS, INC. 9101 VANGUARD DR. ANCHORAGE, AK 99507 (907) 522-1707 CERT. OF AUTH. NO. AECC111
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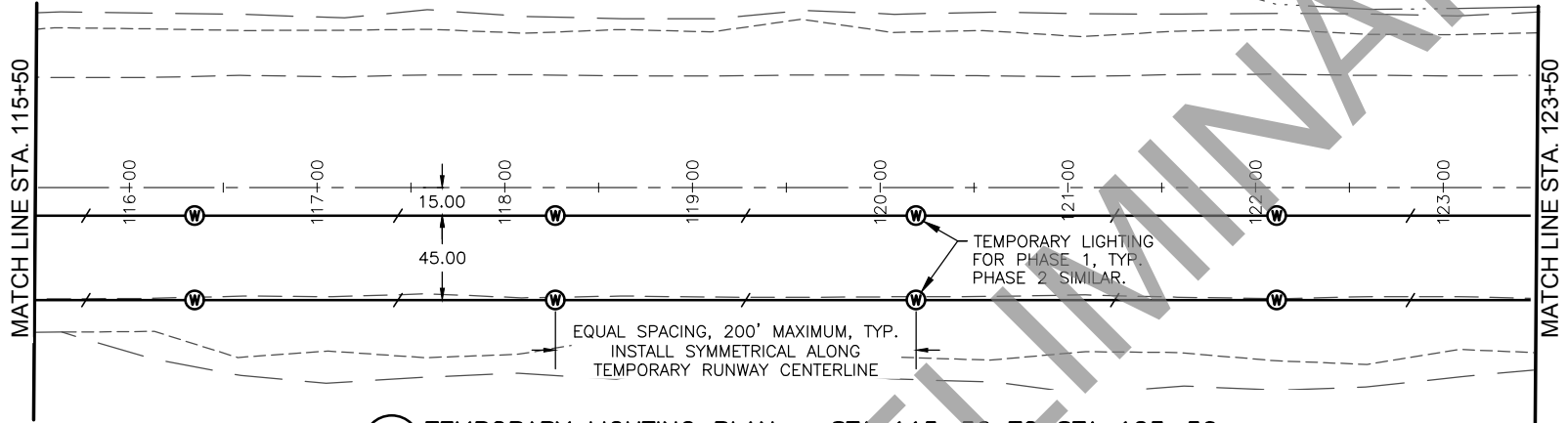


DEMOLITION GENERAL NOTES:

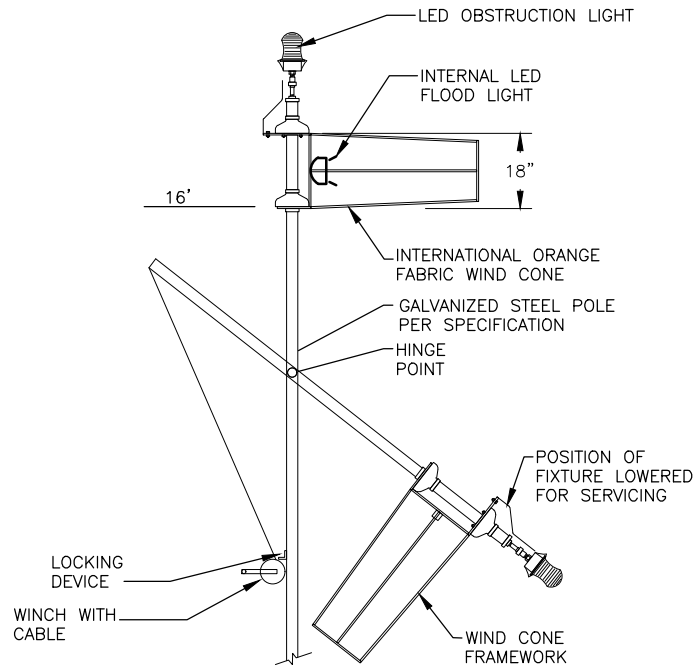
1. DECOMMISSIONED WIRE AND CONDUIT SHALL BE REMOVED. ABANDONED WIRING AND CONDUIT RUNS EXPOSED DURING EXCAVATION SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THIS WORK SHALL BE SUBSIDIARY TO EXCAVATION AND NO SEPARATE PAYMENT WILL BE MADE.
2. THE CONTRACTOR SHALL RESTORE GRADE AND FINISH SURFACES DISTURBED BY THE REMOVAL OF STRUCTURES. THIS WORK SHALL BE SUBSIDIARY TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE.
3. EXISTING FIXTURES, TRANSFORMERS, AND WIND CONES SHALL BE SALVAGED AND OFFERED TO DOT MAINTENANCE. EQUIPMENT DEEMED OF NO SALVAGE VALUE BY DOT MAINTENANCE PERSONNEL, AND ALL OTHER EQUIPMENT AND MATERIALS NOT LISTED ABOVE, INCLUDING LIGHT BASES, HANDHOLES, WIND CONE FOUNDATIONS, WIRE, AND RACEWAYS, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL STATUTES. DISPOSAL SHALL NOT TAKE PLACE IN TOGIK.
4. REMOVAL OF EXISTING CONDUCTORS AND GROUND WIRE SHALL BE SUBSIDIARY TO THE REMOVAL OF THE ASSOCIATED EQUIPMENT AND NO SEPARATE PAYMENT WILL BE MADE.
5. REMOVAL OF HANDHOLES, IF NOT SUBSIDIARY TO OTHER ITEMS, SHALL BE PAID UNDER ITEM L125.070.0000.
6. REMOVAL OF REFLECTIVE MARKERS AND CONES SHALL BE SUBSIDIARY TO ITEM L125.070.0000



1 TEMPORARY LIGHTING PLAN - STA 102+90 TO STA 115+50
E5 1"=50'

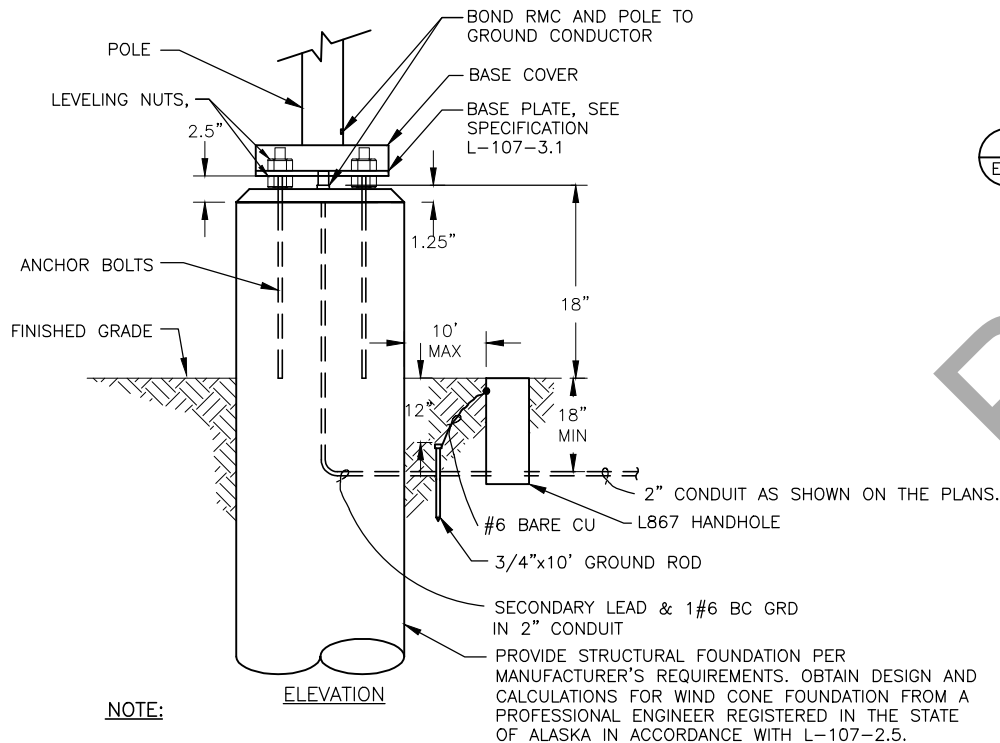


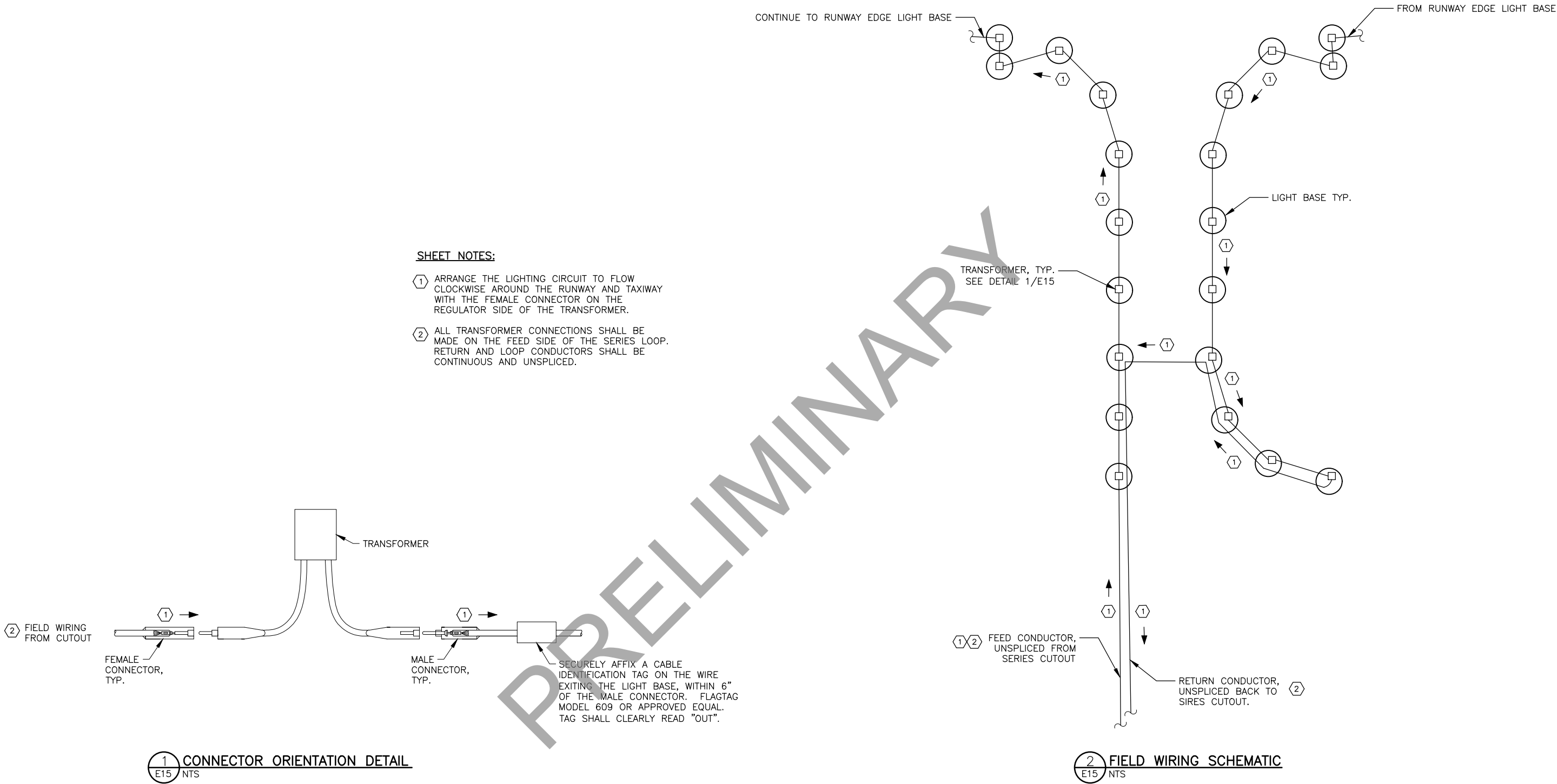
2 TEMPORARY LIGHTING PLAN - STA 115+50 TO STA 123+50
E5 1"=50'



1. FAA SIZE 1, STYLE I-B INTERNALLY ILLUMINATED L-807 WIND CONE.
2. ALL HANDHOLES, CONDUIT, AND WIRING SHALL BE SUBSIDIARY TO L107.010.0008.

1 PRIMARY WIND CONE DETAIL
E14 NTS





PLANS DEVELOPED BY:
MBA CONSULTING ENGINEERS, INC.
3812 SPENARD ROAD, SUITE 200
ANCHORAGE, AK 99517
(907) 274-2622
CERT. OF AUTH. NO. #AECC578

BY	DATE	REVISION

STATE OF ALASKA
DEPARTMENT OF TRAN

