

**CONSTRUCTION PLANS**  
**HOMER AIRPORT**  
**HOMER, ALASKA**  
**HOMER AIRPORT IMPROVEMENTS**  
**PROJECT No. CFAPT00491**  
**AIRPORT IMPROVEMENT PROGRAM**  
**No. 3-02-0122-020-2022**  
**2022**  
**PS&E**  
**FEBRUARY 2022**

<b>APPROVED</b> LUKE S. BOWLAND, P.E.	<b>DATE</b> REGIONAL PRECONSTRUCTION ENGINEER
<b>APPROVED</b> JENELLE R. BRINKMAN, P.E.	<b>DATE</b> AVIATION DESIGN GROUP CHIEF
<b>APPROVED</b> MATHEW H. HANSEN, P.E.	<b>DATE</b> PROJECT MANAGER
<b>CONCUR</b> JOEL G. ST. AUBIN, P.E.	<b>DATE</b> REGIONAL CONSTRUCTION ENGINEER

Designed By: DAD

Drawn By: CJB










































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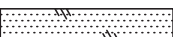




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LEGEND		
DESCRIPTION	EXISTING	PROPOSED
BUILDING		
POST/BOLLARD		
SIGN		
AIRPORT SIGN		
CARSONITE MARKER		
ELECTRIC TRANSFORMER		
ELECTRIC J-BOX		
ELECTRIC MARKER		
ELECTRIC METER		
ELECTRIC HANDHOLD		
ELECTRIC OUTLET		
ELECTRIC LOAD CENTER		
ELECTRIC VAULT		
GATE CONTROL BOX		
GATE POST		
TELECOMMUNICATIONS PEDESTAL		
TELECOMMUNICATIONS VAULT		
FIBER OPTIC VAULT		
NATURAL GAS METER		
FUEL PUMP		
SANITARY SEWER SERVICE CLEANOUT		
SANITARY SEWER MANHOLE		
STORM DRAIN MANHOLE FIELD INLET		
WATER VALVE		
WATER BUILDING CONNECT		
FIRE HYDRANT		
ANTENNA		
VASI		
AVIATION TIEDOWN		
RUNWAY/TAXIWAY/THRESHOLD LIGHT		
WINDSOCK		
SEGMENTED CIRCLE BARRICADE		
GRAVEL EDGE		
ASPHALT EDGE		
RUNWAY ASPHALT EDGE		
SOLID WHITE PAINT LINE		
DASHED WHITE PAINT LINE		
SOLID YELLOW PAINT LINE		
DASHED YELLOW PAINT LINE		

LEGEND		
DESCRIPTION	EXISTING	PROPOSED
CHAIN LINK FENCE		
ELECTRIC UNDERGROUND LOCATE		
UNDERGROUND TELEPHONE		
UNDERGROUND WATER LINE		
FIBER OPTIC UNDERGROUND LOCATE		
NATURAL GAS UNDERGROUND LOCATE		
UNDERGROUND SANITARY SEWER LINE		
LAKE EDGE		
ORDINARY HIGH WATER		
CULVERT		
CONTOUR MAJOR		
CONTOUR MINOR		
CUT		
FILL		
PAVEMENT LIMITS PER SHEET		
SURVEY MONUMENT CASE		

ABBREVIATIONS			
AWOS	AUTOMATED WEATHER OBSERVING SYSTEM	MAINT	MAINTENANCE
BOP	BEGINNING OF PROJECT	ME	MATCH EXISTING
BVCS	BEGIN VERTICAL CURVE STATION	MIN	MINIMUM
BVCE	BEGIN VERTICAL CURVE ELEVATION	MIRL	MEDIUM INTENSITY RUNWAY LIGHTING
CABC	CRUSHED AGGREGATE BASE COURSE	MITL	MEDIUM INTENSITY TAXIWAY LIGHTING
CASC	CRUSHED AGGREGATE SURFACE COURSE	NTS	NOT TO SCALE
CAA	CORRUGATED ALUMINUM ALLOY PIPE	NIC	NOT IN CONTRACT
CL	CENTERLINE	OFA	OBJECT FREE AREA
CPM	CRITICAL PATH METHOD	PC	POINT OF CURVATURE
CS	CONTINGENT SUM	PI	POINT OF INTERSECTION
CSPP	CONSTRUCTION SAFETY PHASE PLAN	PT	POINT OF TANGENCY
CY	CUBIC YARD	OG	ORIGINAL GROUND
DIA	DIAMETER	PVI	POINT OF VERTICAL INTERSECTION
DOT	DEPARTMENT OF TRANSPORTATION	RAP	RECYCLED ASPHALT PAVEMENT
ELEV	ELEVATION	R	RADIUS
EOP	END OF PROJECT	RD	ROAD
ESCP	EROSION AND SEDIMENT CONTROL PLAN	ROFA	RUNWAY OBJECT FREE AREA
EVCS	END VERTICAL CURVE STATION	ROFZ	RUNWAY OBJECT FREE ZONE
EVCE	END VERTICAL CURVE ELEVATION	RP	RADIUS POINT
FASBC	FOAMED ASPHALT STABILIZED BASE COURSE	RPZ	RUNWAY PROTECTION ZONE
GA	GENERAL AVIATION	RSA	RUNWAY SAFETY AREA
GB	GRADE BREAK	RT	RIGHT
HMA	HOT MIX ASPHALT	RW	RUNWAY
IN	INCH	SF	SQUARE FEET
INV	INVERT ELEV	SPCD	SAFETY PLAN COMPLIANCE DOCUMENT
LF	LINEAR FOOT	STA	STATION
LS	LUMP SUM	TOFA	TAXIWAY OBJECT FREE AREA
LT	LEFT	TOFZ	TAXIWAY OBJECT FREE ZONE
		TSA	TAXIWAY SAFETY AREA
		TW	TAXIWAY
		TYP	TYPICAL
		WWF	WELDED WIRE FABRIC

ALIGNMENT ABBREVIATIONS			
"RW"	RUNWAY 04/22	"P3"	CAA PIPE NUMBER 3
"TWA"	TAXIWAY A	"P4"	CAA PIPE NUMBER 4
"TWB"	TAXIWAY B	"P10"	CAA PIPE NUMBER 10
"TWC"	TAXIWAY C		
"TWD"	TAXIWAY D		
"TWG"	TAXIWAY G		
"TWJ"	TAXIWAY J		
"W"	W ROAD		
"P1"	CAA PIPE NUMBER 1		
"P2"	CAA PIPE NUMBER 2		

# ESTIMATED QUANTITIES

No.	ITEM	UNIT	QUANTITY	No.	ITEM	UNIT	QUANTITY	No.	ITEM	UNIT	QUANTITY
D701.040.0018	CAA PIPE, 18-INCH	LF	60.00	G150.010.0075	EQUIPMENT RENTAL, DOZER 75-HP MINIMUM	HR	120.00	L125.110.0000	RELOCATE EXISTING AIRPORT SIGN, TYPE L-858	EACH	9.00
D701.040.0024	CAA PIPE, 24-INCH	LF	134.00	G150.030.0000	EQUIPMENT RENTAL, VAC-TRUCK	CS	ALL REQUIRED	L125.130.0000	AIRPORT SIGN, L-858	EACH	12.00
D701.040.0036	CAA PIPE, 36-INCH	LF	681.00	G200.010.0000	CONTRACTOR QUALITY CONTROL PROGRAM	LS	ALL REQUIRED	L125.150.0000	HANDHOLE, L-867, SIZE B	EACH	24.00
D701.040.0042	CAA PIPE, 42-INCH	LF	122.00	G300.010.0000	CPM SCHEDULING	LS	ALL REQUIRED	L125.170.0000	SPARE PARTS	CS	ALL REQUIRED
D701.040.0048	CAA PIPE, 48-INCH	LF	676.00	G300.020.0000	SCHEDULE PRICE ADJUSTMENT	CS	ALL REQUIRED	L125.180.0000	TEMPORARY RUNWAY LIGHTING SYSTEM	LS	ALL REQUIRED
D701.190.0018	CAA PIPE END SECTION, 18-INCH	EACH	2.00	G301.010.0000	PULL PLANNING	LS	ALL REQUIRED	L125.250.0000	REMOVE AIRPORT SIGN	EACH	3.00
D701.190.0024	CAA PIPE END SECTION, 24-INCH	EACH	1.00	G310.010.0000	PUBLIC UPDATES	LS	ALL REQUIRED	L125.400.0000	ADJUST HANDHOLE	EACH	1.00
D701.190.0036	CAA PIPE END SECTION, 36-INCH	EACH	12.00	G700.010.0000	AIRPORT FLAGGER	CS	ALL REQUIRED	L132.040.0000	APROACH LIGHTING AIDS MODIFICATIONS	LS	ALL REQUIRED
D701.190.0042	CAA PIPE END SECTION, 42-INCH	EACH	2.00	G705.010.0000	WATERING FOR DUST CONTROL	MGAL	700.00	P151.040.0000	CLEARING & GRUBBING	LS	ALL REQUIRED
D751.010.0048	MANHOLE, TYPE I, 48-INCH	EACH	1.00	L107.050.0000	RELOCATE WIND CONE	EACH	1.00	P152.010.0000	UNCLASSIFIED EXCAVATION	CY	276,000.00
D752.060.3020	CONCRETE HEADWALL, TYPE II	EACH	4.00	L108.010.2008	UNDERGROUND CABLE #8 AWG, COPPER, 5KV BAA TYPE C, L-824	LF	52,121.00	P152.200.0010	BORROW, TYPE A	TON	0.00
G100.010.0000	MOBILIZATION AND DEMOBILIZATION	LS	ALL REQUIRED	L108.030.0006	#6 BARE COPPER GROUND CONDUCTOR	LF	67,133.00	P152.390.0000	DITCH LINING	TON	50,000.00
G115.010.0000	WORKER MEALS AND LODGING, OR PER DIEM	LS	ALL REQUIRED	L108.070.0000	GROUND ROD	EACH	84.00	P154.020.0000	SUBBASE COURSE	TON	32,700.00
G130.010.0000	FIELD OFFICE	LS	ALL REQUIRED	L108.080.0014	UNDERGROUND CABLE #14 AWG, 2-CONDUCTOR, COPPER, 600V, TYPE "SOOW-A/SOOW"	LF	520.00	P161.010.0000	RECYCLED ASPHALT PAVEMENT	SY	102,000.00
G130.020.0000	FIELD LABORATORY	LS	ALL REQUIRED	L110.050.1004	RIGID STEEL CONDUIT, 4-INCH	LF	2,310.00	P165.040.0000	REMOVAL OF STORM DRAIN PIPE	LS	ALL REQUIRED
G130.060.0000	NUCLEAR TESTING EQUIPMENT STORAGE SHED	EACH	1.00	L110.080.1002	HDPE CONDUIT, 2-INCH	LF	32,654.00	P165.050.0010	REMOVAL OF STORM DRAIN MANHOLE	EACH	1.00
G130.090.0000	ENGINEERING COMMUNICATIONS	CS	ALL REQUIRED	L110.240.0000	DRYWELL	EACH	23.00	P170.020.0000	SOIL TESTING PROGRAM	CS	ALL REQUIRED
G131.010.0000	ENGINEERING TRANSPORTATION (TRUCK)	EACH	4.00	L119.010.0000	OBSTRUCTION LIGHT	EACH	1.00	P170.040.0000	SUPPLEMENTAL LABORATORY TEST	CS	ALL REQUIRED
G135.010.0000	CONSTRUCTION SURVEYING BY THE CONTRACTOR	LS	ALL REQUIRED	L125.020.0000	REGULATOR, L-828	EACH	1.00	P170.080.0000	"HOT" MATERIAL OFFSITE TRANSPORTATION AND DISPOSAL	CS	ALL REQUIRED
G135.020.0000	EXTRA THREE PERSON SURVEY PARTY	HR	132.00	L125.030.0000	MEDIUM INTENSITY RUNWAY EDGE AND THRESHOLD LIGHT, L-861 AND L-861E	EACH	81.00	P171.010.0000	TEMPORARY CONTAMINATED SOIL STOCKPILE	CS	ALL REQUIRED
G135.050.0000	CONTRACTOR FURNISHED ENGINEERING TOOLS	CS	ALL REQUIRED	L125.040.0000	TAXIWAY EDGE LIGHT, L-861T	EACH	151.00	P171.050.0000	CONTAMINATED SOIL SEPARATOR LINER	SY	500.00
G135.210.0000	ADJUST EXISTING MONUMENT CASE	EACH	4.00	L125.070.0000	REMOVE RUNWAY AND TAXIWAY LIGHT	EACH	190.00	P180.020.0000	RIPRAP, CLASS I	TON	190.00



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Layout Name: Est Quantities (2)

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ESTIMATED QUANTITIES				ESTIMATED QUANTITIES				ESTIMATING FACTORS							
No.	ITEM	UNIT	QUANTITY	No.	ITEM	UNIT	QUANTITY	No.	ITEM	FACTOR					
P209.020.0000	CRUSHED AGGREGATE BASE COURSE	TON	35,900.00	P655.010.0000	AIRCRAFT RELOCATION	EACH	81.00	G705.010.0000	WATERING FOR DUST CONTROL	40 GAL/SY					
P299.020.0000	CRUSHED AGGREGATE SURFACE COURSE	TON	5,850.00	P670.010.0000	HAZARD MARKER BARRIER, PLASTIC	EACH	160.00	P152.190.0010	BORROW, TYPE A	130 LB/CF					
P318.020.0000	FOAMED ASPHALT STABILIZED BASE COURSE	SY	75,000.00	P671.010.0000	RUNWAY CLOSURE MARKER, VINYL MESH	EACH	13.00	P152.390.0000	DITCH LINING	110 LB/CF					
P318.040.0000	ASPHALT BINDER	TON	810.00	P671.020.0000	RUNWAY CLOSURE MARKER, ILLUMINATED	EACH	2.00	P154.020.0000	SUBBASE COURSE	135 LB/CF					
P318.050.0000	PORTLAND CEMENT	TON	590.00	P681.010.0000	GEOTEXTILE, SEPARATION	SY	401,000.00	P180.010.0000	RIPRAP, CLASS I	108 LB/CF					
P401.010.0030	HOT MIX ASPHALT TYPE II, CLASS A	TON	36,000.00	T901.010.0000	SEEDING	ACRE	34.00	P209.020.0000	CRUSHED AGGREGATE BASE COURSE	144 LB/CF					
P401.020.5834	ASPHALT BINDER, PG 58-34	TON	2,000.00	T901.030.0000	WATER FOR MAINTENANCE	MGAL	1,480.00	P299.020.0000	CRUSHED AGGREGATE SURFACE COURSE	144 LB/CF					
P401.070.0000	JOINT ADHESIVE	LF	77,000.00	T905.010.0010	TOPSOILING, CLASS A	SY	164,000.00	P318.020.0000	FOAMED ASPHALT STABILIZED BASE COURSE	130 LB/CF					
P401.080.0000	HOT MIX ASPHALT PRICE ADJUSTMENT	CS	ALL REQUIRED	T908.010.0000	MULCHING	SY	164,000.00	P318.040.0000	ASPHALT BINDER	2.75% OF P318.020.0000					
P401.090.0000	ASPHALT MATERIAL PRICE ADJUSTMENT	CS	ALL REQUIRED	U200.060.0030	ADJUST SANITARY SEWER MANHOLE BY GRADE RING	EACH	2.00	P318.050.0000	PORTLAND CEMENT	2.0% OF P318.020.0000					
P602.010.0010	PRIME COAT, CSS-1	TON	610.00					P401.010.0030	HOT MIX ASPHALT TYPE II, CLASS A	151 LB/CF					
P603.010.0010	TACK COAT, STE-1	TON	103.00					P401.020.5834	ASPHALT BINDER PG 58-34	5.3% OF P401.010.0030					
P620.010.0000	RUNWAY AND TAXIWAY PAINTING	SF	90,000.00					P603.010.0010	TACK COAT, STE-1	0.000334 TON/SY					
P620.060.0000	PAINTED MARKING REMOVAL	LS	ALL REQUIRED					T901.010.0000	SEEDING	0.002 LB/SF					
P620.070.0000	TEMPORARY RUNWAY & TAXIWAY PAINTING	LS	ALL REQUIRED					T901.030.0000	WATER FOR MAINTENANCE	0.001 MGAL/SF					
P621.020.0000	SAW-CUT GROOVES	LS	ALL REQUIRED												
P641.010.0000	EROSION, SEDIMENT, AND POLLUTION CONTROL ADMINISTRATION	LS	ALL REQUIRED												
P641.020.0000	TEMPORARY EROSION, SEDIMENT, AND POLLUTION CONTROL	CS	ALL REQUIRED												
P641.060.0000	WITHHOLDING	CS	ALL REQUIRED												
P641.070.0000	SWPPP MANAGER	LS	ALL REQUIRED												
P650.010.0000	AIRCRAFT TIE-DOWN	EACH	123.00												
P650.050.0000	REMOVE TIE-DOWN	EACH	81.00												
				HDL ENGINEERING CONSULTANTS, LLC 3335 ARCTIC BOULEVARD, STE 100 ANCHORAGE, AK 99503 (907) 564-2120 CERTIFICATE OF AUTHORIZATION NO. AECL861				STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION 4111 AVIATION AVE., ANCHORAGE ALASKA 99502 PHONE (907) 269-0590				HOMER AIRPORT HOMER, ALASKA HOMER AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 ESTIMATED QUANTITIES AND FACTORS		DATE: 2/2022 SHEET: 5 OF 57	
				BY		DATE		REVISION							

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PROJECT LAYOUT PLAN  
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Drawn By: CDB  
Checked By: MPM

Date Revised:  
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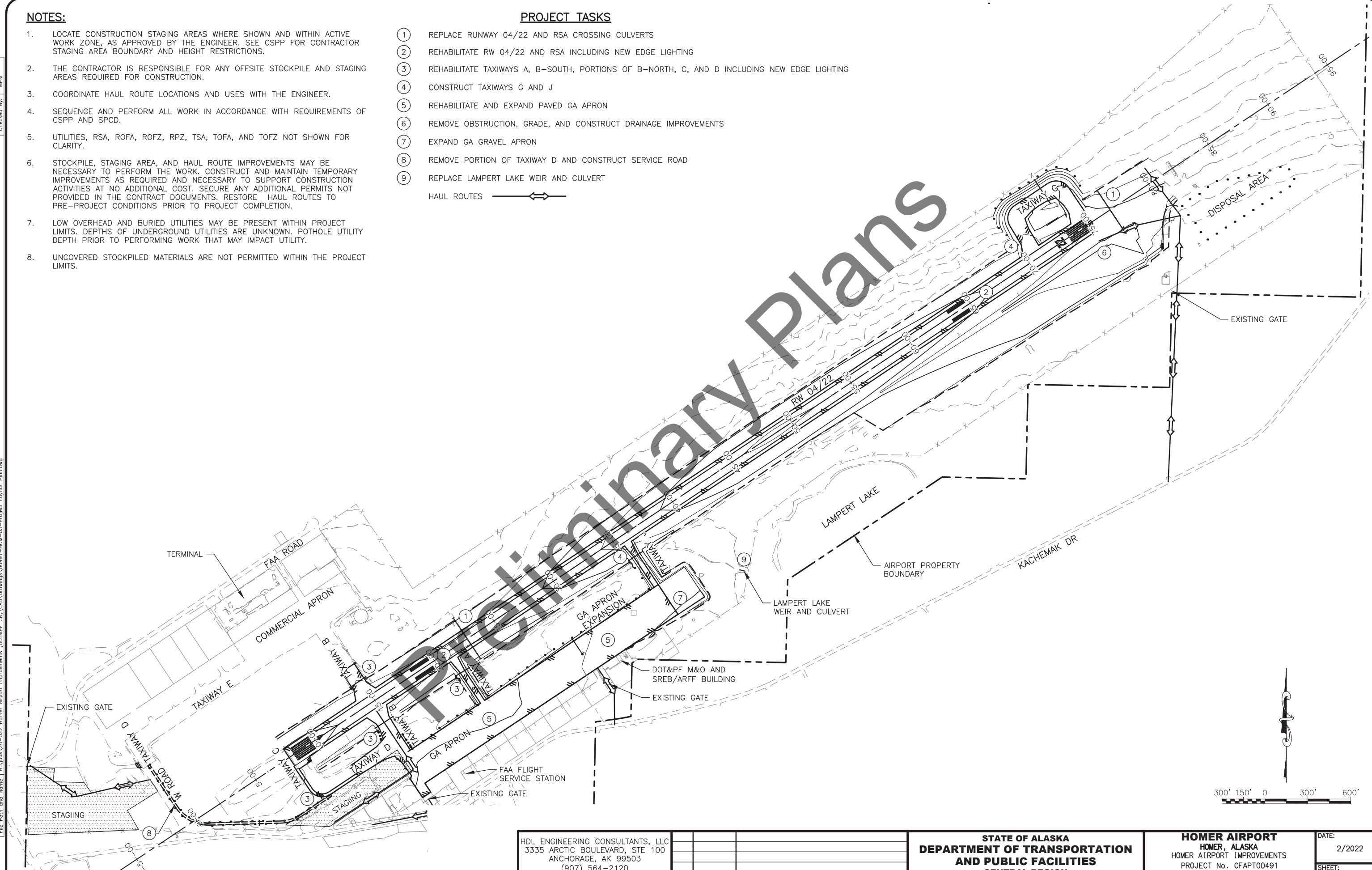
NOTES:

1. LOCATE CONSTRUCTION STAGING AREAS WHERE SHOWN AND WITHIN ACTIVE WORK ZONE, AS APPROVED BY THE ENGINEER. SEE CSPP FOR CONTRACTOR STAGING AREA BOUNDARY AND HEIGHT RESTRICTIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR ANY OFFSITE STOCKPILE AND STAGING AREAS REQUIRED FOR CONSTRUCTION.
3. COORDINATE HAUL ROUTE LOCATIONS AND USES WITH THE ENGINEER.
4. SEQUENCE AND PERFORM ALL WORK IN ACCORDANCE WITH REQUIREMENTS OF CSPP AND SPCD.
5. UTILITIES, RSA, ROFA, ROFZ, RPZ, TSA, TOFA, AND TOFZ NOT SHOWN FOR CLARITY.
6. STOCKPILE, STAGING AREA, AND HAUL ROUTE IMPROVEMENTS MAY BE NECESSARY TO PERFORM THE WORK. CONSTRUCT AND MAINTAIN TEMPORARY IMPROVEMENTS AS REQUIRED AND NECESSARY TO SUPPORT CONSTRUCTION ACTIVITIES AT NO ADDITIONAL COST. SECURE ANY ADDITIONAL PERMITS NOT PROVIDED IN THE CONTRACT DOCUMENTS. RESTORE HAUL ROUTES TO PRE-PROJECT CONDITIONS PRIOR TO PROJECT COMPLETION.
7. LOW OVERHEAD AND BURIED UTILITIES MAY BE PRESENT WITHIN PROJECT LIMITS. DEPTHS OF UNDERGROUND UTILITIES ARE UNKNOWN. POT HOLE UTILITY DEPTH PRIOR TO PERFORMING WORK THAT MAY IMPACT UTILITY.
8. UNCOVERED STOCKPILED MATERIALS ARE NOT PERMITTED WITHIN THE PROJECT LIMITS.

PROJECT TASKS

1. REPLACE RUNWAY 04/22 AND RSA CROSSING CULVERTS
2. REHABILITATE RW 04/22 AND RSA INCLUDING NEW EDGE LIGHTING
3. REHABILITATE TAXIWAYS A, B-SOUTH, PORTIONS OF B-NORTH, C, AND D INCLUDING NEW EDGE LIGHTING
4. CONSTRUCT TAXIWAYS G AND J
5. REHABILITATE AND EXPAND PAVED GA APRON
6. REMOVE OBSTRUCTION, GRADE, AND CONSTRUCT DRAINAGE IMPROVEMENTS
7. EXPAND GA GRAVEL APRON
8. REMOVE PORTION OF TAXIWAY D AND CONSTRUCT SERVICE ROAD
9. REPLACE LAMPERT LAKE WEIR AND CULVERT

HAUL ROUTES



HDL ENGINEERING CONSULTANTS, LLC  
3335 ARCTIC BOULEVARD, STE 100  
ANCHORAGE, AK 99503  
(907) 564-2120  
CERTIFICATE OF AUTHORIZATION  
NO. AECL861

BY	DATE	REVISION

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

HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
PROJECT LAYOUT PLAN

DATE:  
2/2022  
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NOTES:

1. UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR IS RESPONSIBLE FOR LOCATING, DOCUMENTING, AND PROTECTION OF EXISTING UTILITIES SCHEDULED TO REMAIN.
2. DEMOLITION SHALL OCCUR WITHIN LIMITS OF NEW WORK SHOWN. SEE PLAN AND PROFILE, TYPICAL SECTION, AND GRADING PLANS FOR LIMITS OF WORK.
3. DECOMMISSION AIRPORT LIGHTING SYSTEM IN SEQUENCE INDICATED ON THE CSPP AND IN ACCORDANCE WITH THE ELECTRICAL DRAWINGS. AIRPORT APPROACH AIDS AND NAVAIDS TO BE DISABLED BY OTHERS.

## RUNWAY AND TAXIWAYS

1. REMOVE RUNWAY MARKINGS IN SEQUENCE INDICATED IN THE CSPP SHEETS.
2. PULVERIZE EXISTING PAVEMENT, PROCESS RAP, PLACE WHERE SHOWN ON PLANS, INCORPORATE INTO FASBC OR STOCKPILE. REMOVE ANY OVERSIZE MATERIAL PRIOR TO PLACING OR STOCKPIILING. EXCESS RAP SHALL BE STOCKPILED IN LOCATIONS APPROVED BY THE ENGINEER.
3. REMOVE CROSSING CULVERTS AS SHOWN IN PLAN.
4. CLEAR AND GRUB AREA FOR TAXIWAYS G AND J EMBANKMENTS.

## GA APRON

1. SAW CUT PAVEMENT ADJACENT TO LEASE LOTS PRIOR TO PLANING.
2. REMOVE EXISTING TIE-DOWNS.
3. PULVERIZE EXISTING PAVEMENT, PROCESS RAP, PLACE WHERE SHOWN ON PLANS, OR STOCKPILE. REMOVE ANY OVERSIZE MATERIAL PRIOR TO PLACING OR STOCKPILING. EXCESS RAP SHALL BE STOCKPILED IN LOCATIONS APPROVED BY THE ENGINEER.
4. CLEAR AND GRUB AREA FOR GA APRON EXPANSION.

## DRAINAGE

1. REMOVE EXISTING CULVERTS.
2. EXCAVATE DITCHES.
3. REMOVE LAMPERT LAKE WEIR.

## OBSTRUCTION REMOVAL

1. EXCAVATE OBSTRUCTION TO THE LIMITS SHOWN IN THE PLANS. SUITABLE MATERIAL SHALL BE PLACED WHERE SHOWN IN PLANS OR STOCKPILED IN LOCATIONS APPROVED BY THE ENGINEER.

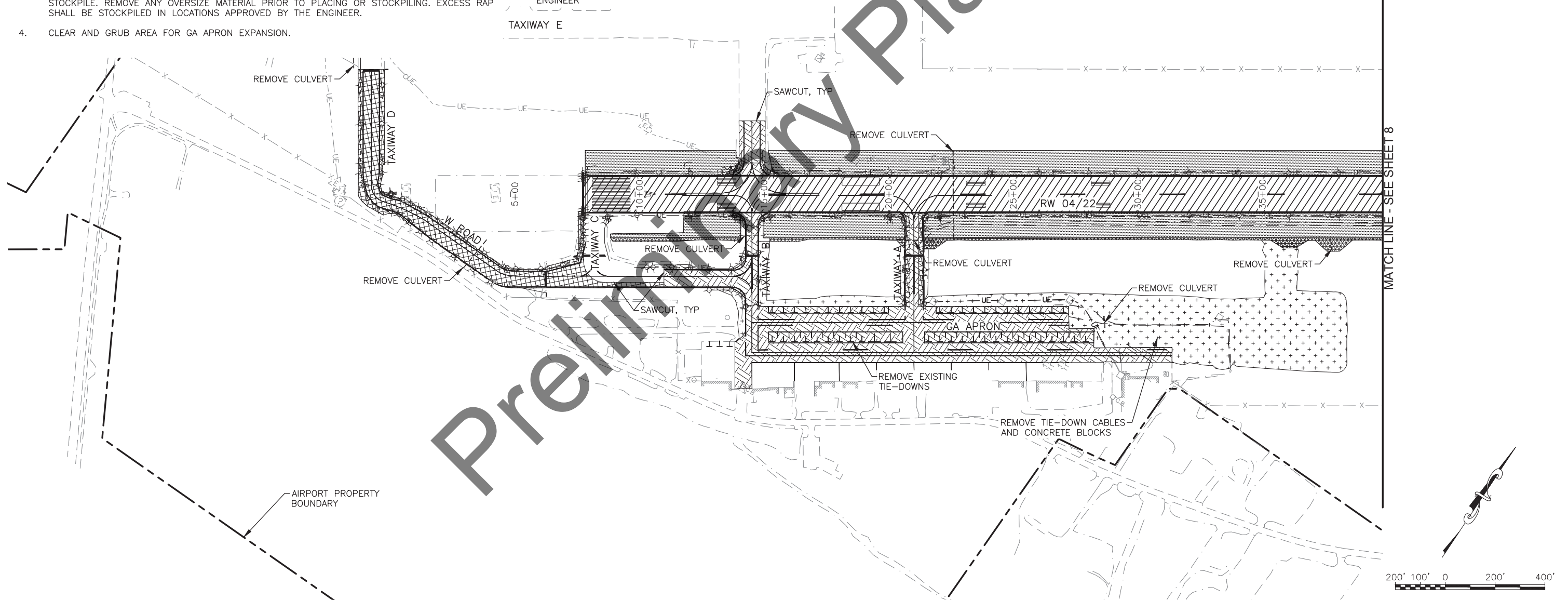
RSA

1. EXCAVATE EXISTING MATERIAL TO DEPTH SHOWN IN THE PLANS. SUITABLE MATERIAL SHALL BE PLACED WHERE SHOWN IN PLANS OR STOCKPILED IN LOCATIONS APPROVED BY THE ENGINEER. EXISTING RSA MATERIAL IS ANTICIPATED TO BE WET AND MAY BE SATURATED. MATERIAL SHALL BE DRIED OR MOISTURE CONDITIONED PRIOR TO PLACEMENT.
2. REMOVE CROSSING CULVERT.


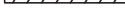
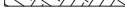
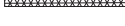


## ELECTRICAL

1. SEE ELECTRICAL DEMO SHEETS.
2. PROTECT THE EXISTING NAVAIDS IN PLACE UNLESS NOTED IN THE PLANS OR DIRECTED BY THE ENGINEER

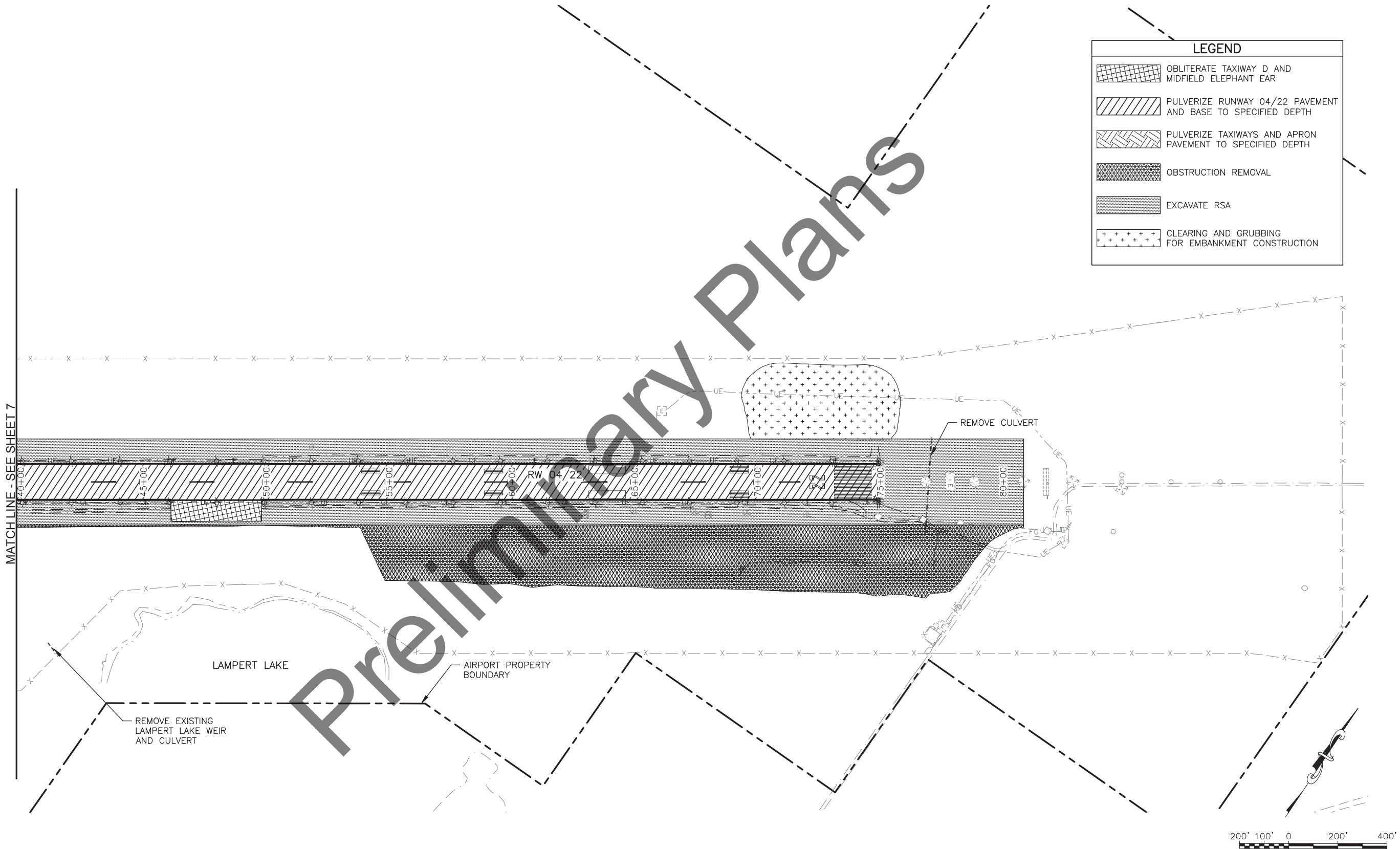
## TAXIWAY E

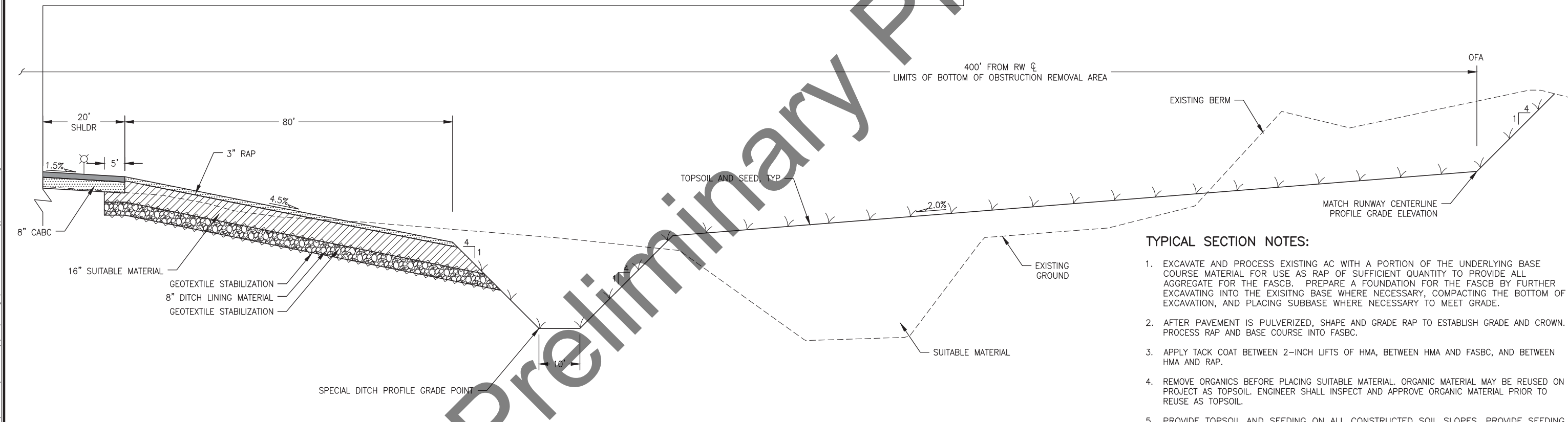
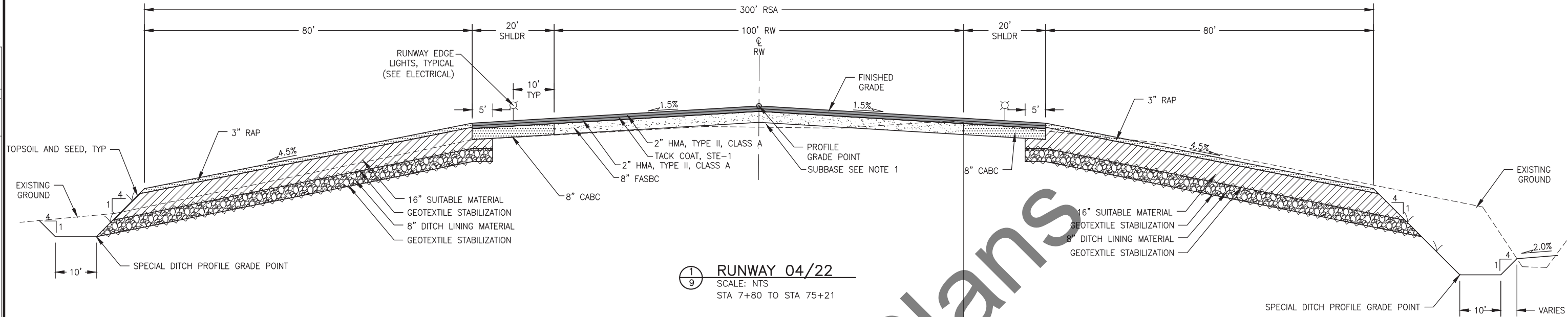


### LEGEND

- |   |  |
|---|--|
|  | OBLITERATE TAXIWAY D AND<br>MIDFIELD ELEPHANT EAR              |
|  | PULVERIZE RUNWAY 04/22 PAVEMENT<br>AND BASE TO SPECIFIED DEPTH |
|  | PULVERIZE TAXIWAYS AND APRON<br>PAVEMENT TO SPECIFIED DEPTH    |
|  | OBSTRUCTION REMOVAL  |
|  | EXCAVATE RSA   |
|  | CLEARING AND GRUBBING<br>FOR EMBANKMENT CONSTRUCTION           |

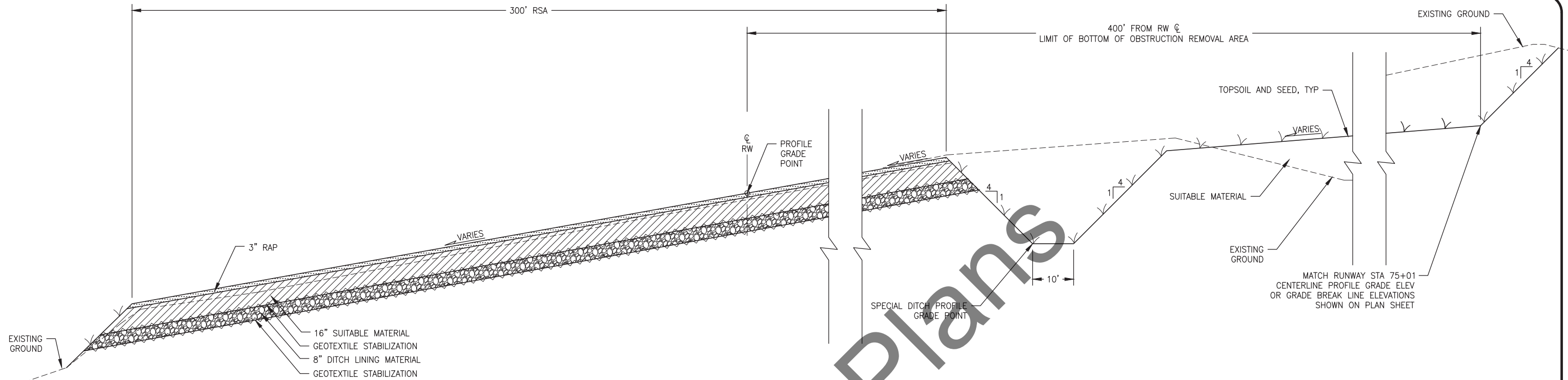




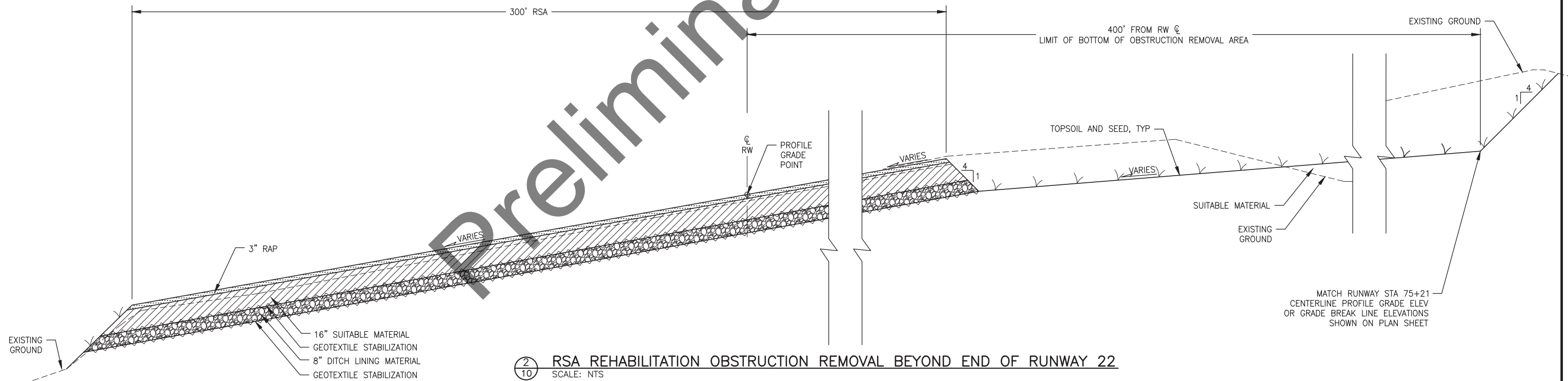


- TYPICAL SECTION NOTES:**
- EXCAVATE AND PROCESS EXISTING AC WITH A PORTION OF THE UNDERLYING BASE COURSE MATERIAL FOR USE AS RAP OF SUFFICIENT QUANTITY TO PROVIDE ALL AGGREGATE FOR THE FASCB. PREPARE A FOUNDATION FOR THE FASCB BY FURTHER EXCAVATING INTO THE EXISTING BASE WHERE NECESSARY, COMPACTING THE BOTTOM OF EXCAVATION, AND PLACING SUBBASE WHERE NECESSARY TO MEET GRADE.
  - AFTER PAVEMENT IS PULVERIZED, SHAPE AND GRADE RAP TO ESTABLISH GRADE AND CROWN. PROCESS RAP AND BASE COURSE INTO FASCB.
  - APPLY TACK COAT BETWEEN 2-INCH LIFTS OF HMA, BETWEEN HMA AND FASCB, AND BETWEEN HMA AND RAP.
  - REMOVE ORGANICS BEFORE PLACING SUITABLE MATERIAL. ORGANIC MATERIAL MAY BE REUSED ON PROJECT AS TOPSOIL. ENGINEER SHALL INSPECT AND APPROVE ORGANIC MATERIAL PRIOR TO REUSE AS TOPSOIL.
  - PROVIDE TOPSOIL AND SEEDING ON ALL CONSTRUCTED SOIL SLOPES. PROVIDE SEEDING IN AREAS DISTURBED BY CONSTRUCTION AND AS DIRECTED BY THE ENGINEER.
  - USE RAP RECYCLED FROM PROJECT WHERE SHOWN. IF NOT AVAILABLE USE CRUSHED AGGREGATE SURFACE COURSE.
  - IF ORGANIC MATERIAL IS ENCOUNTERED DURING EXCAVATION, REMOVE ALL ORGANIC MATERIAL TO A FIRM AND UNYIELDING BASE OR AS DIRECTED BY THE ENGINEER.
  - CONTRACTOR SHALL SURCHARGE EXISTING SOILS UNDER PROPOSED TAXIWAY J AND GA APRON EXPANSION EMBANKMENTS. CONTRACTOR SHALL ALLOW FOR A MINIMUM OF 6 MONTHS SETTLEMENT PRIOR TO CONSTRUCTING TAXIWAY OR APRON EXPANSION.
  - GROOVE RUNWAY PAVEMENT BETWEEN STATIONS 7+80 AND 75+01. GROOVES SHALL EXTEND FROM RUNWAY CENTERLINE TO OUTSIDE EDGE OF THE SHOULDER.





1  
10 RSA REHABILITATION OBSTRUCTION REMOVAL BEYOND END OF RUNWAY 22  
SCALE: NTS  
"RW" STA 75+21 TO "RW" STA 77+01



2  
10 RSA REHABILITATION OBSTRUCTION REMOVAL BEYOND END OF RUNWAY 22  
SCALE: NTS  
"RW" STA 77+01 TO "RW" STA 81+01

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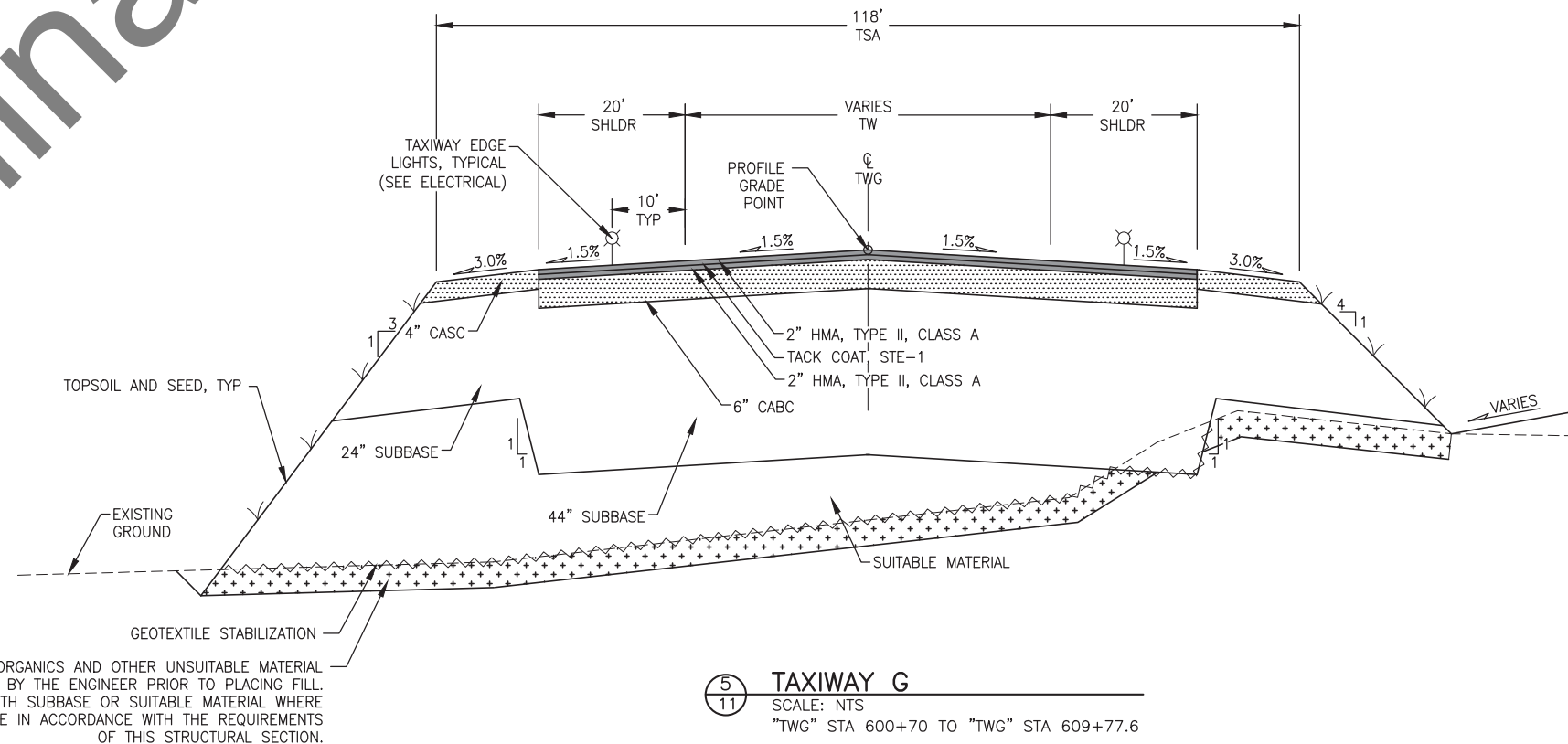
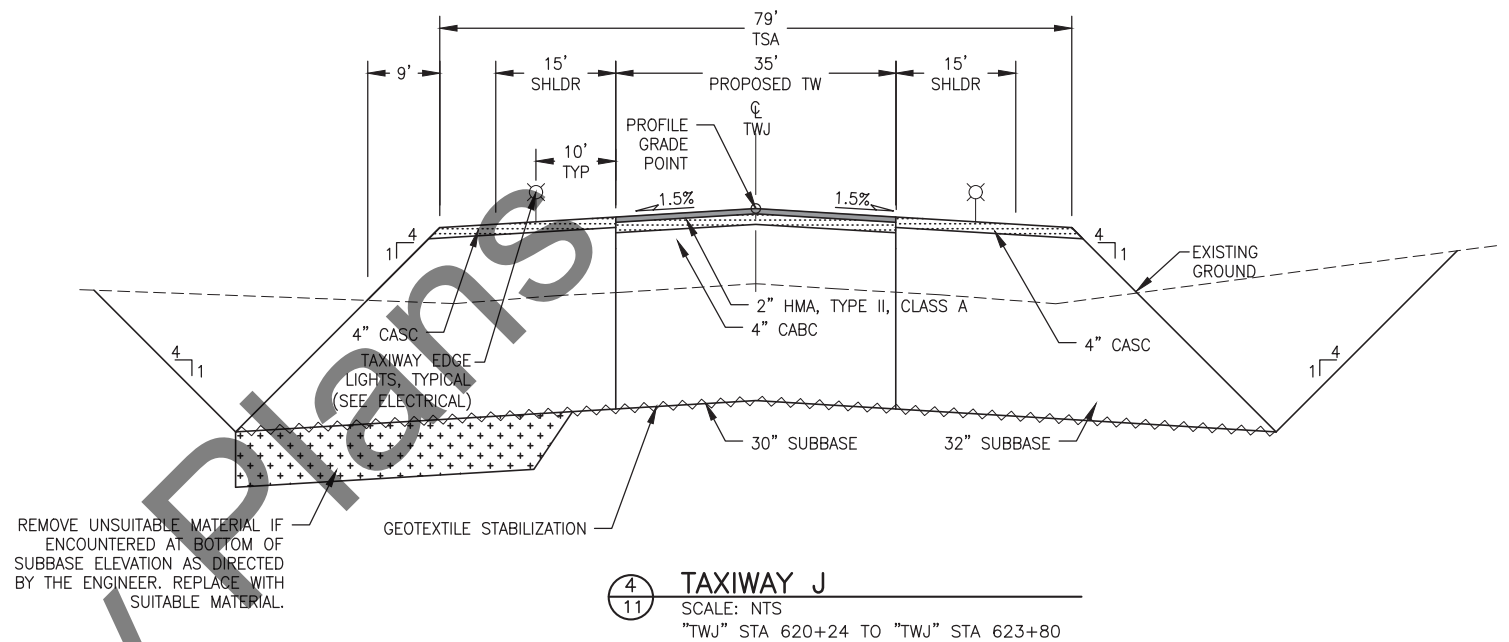
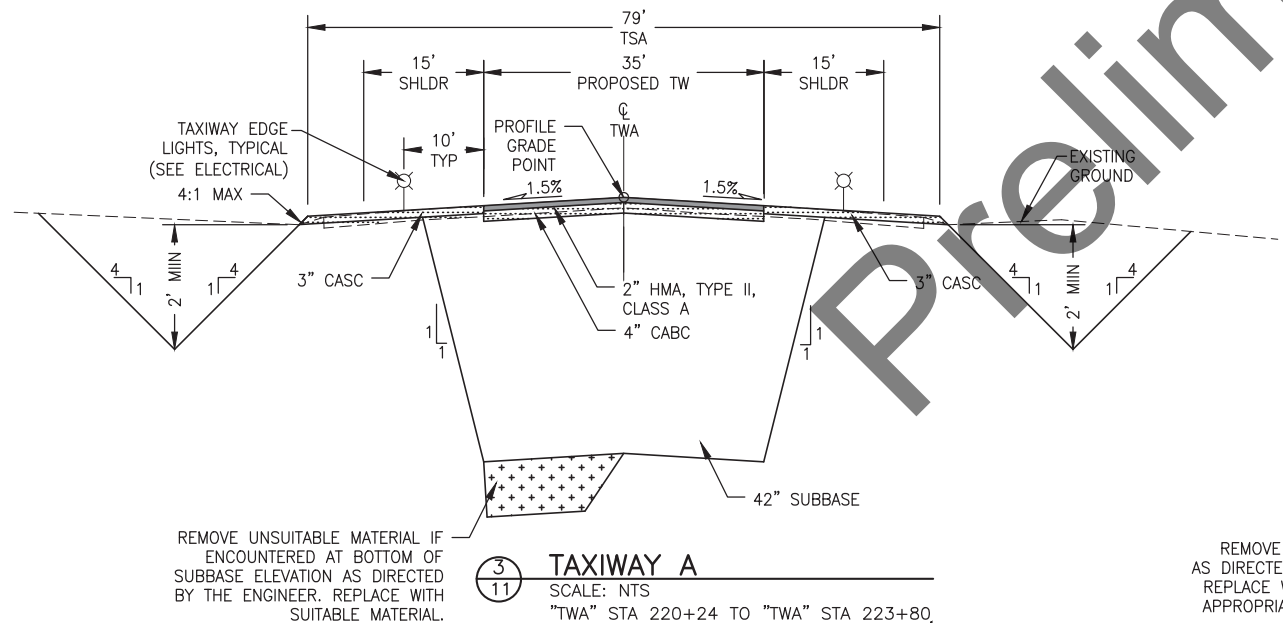
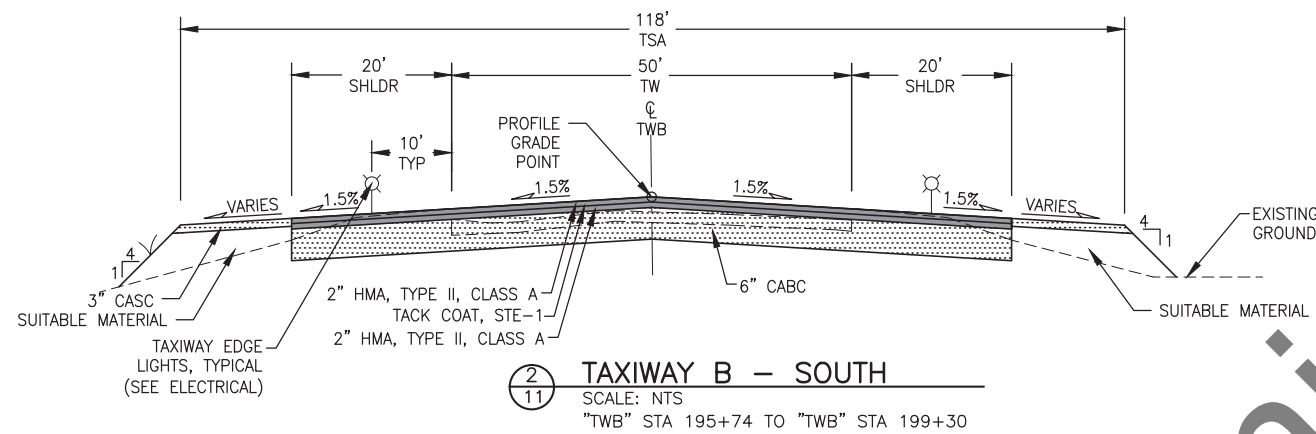
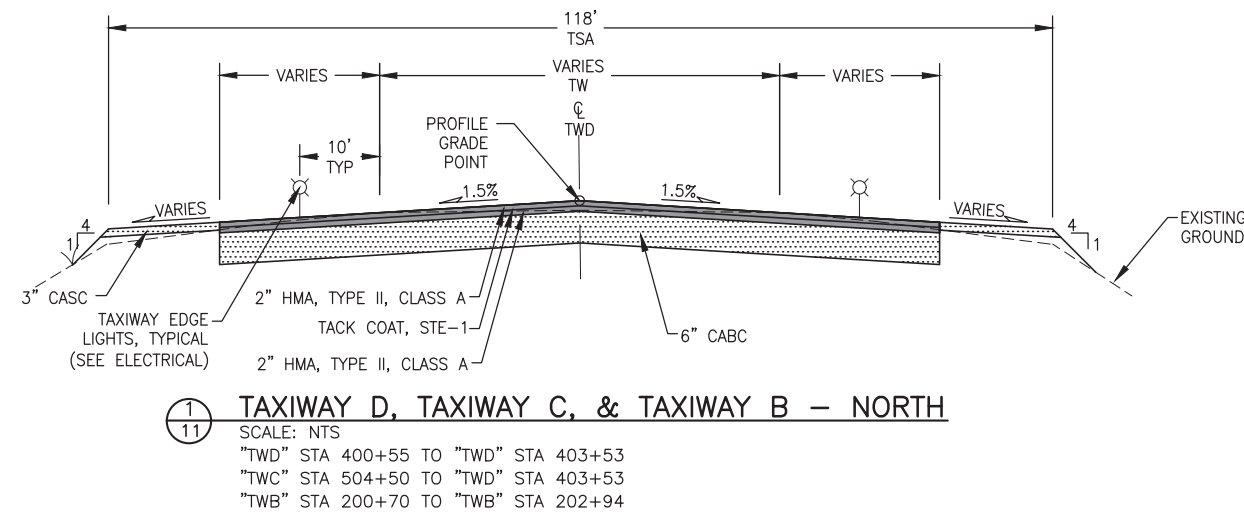
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PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TYPICAL SECTIONS

DATE:  
2/2022

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10 OF 57



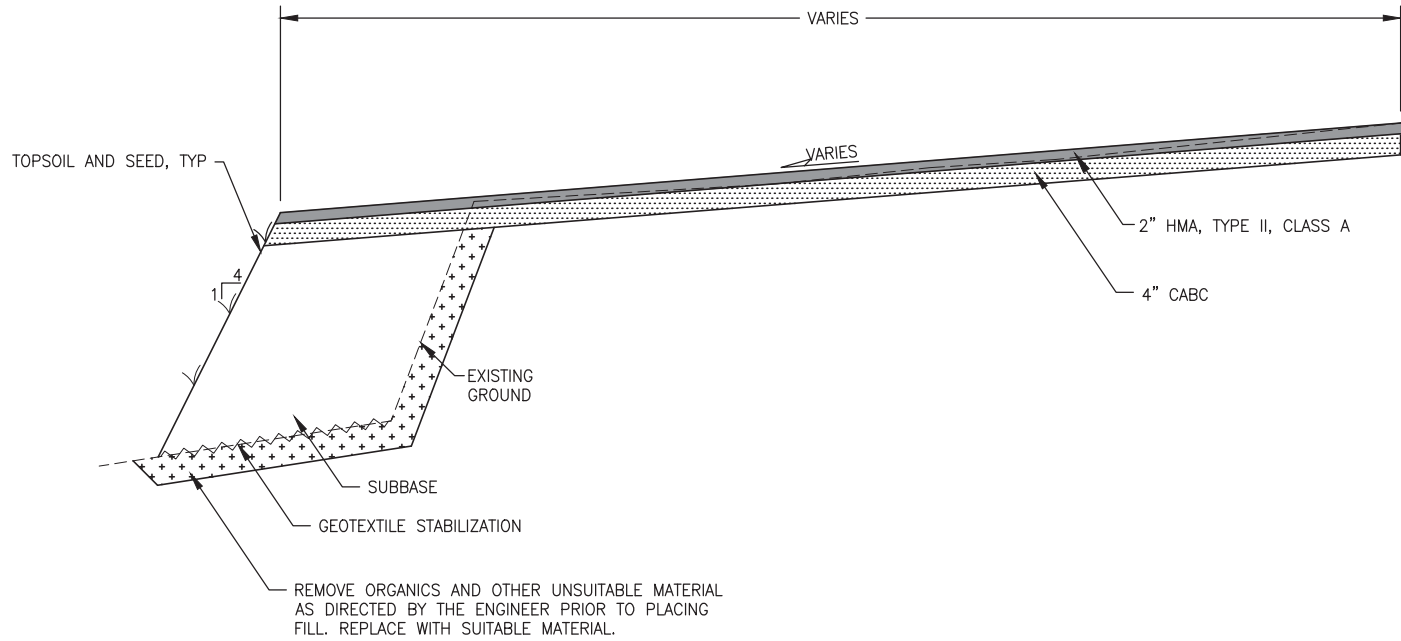
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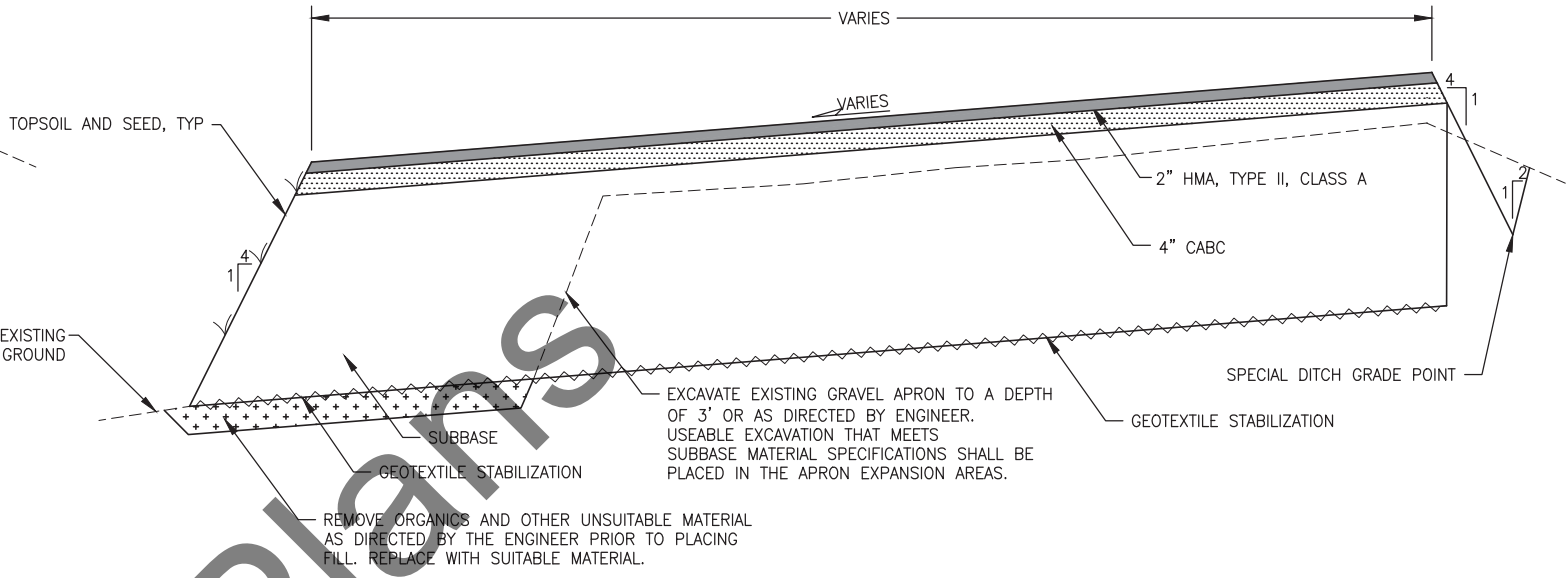
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TYPICAL SECTIONS

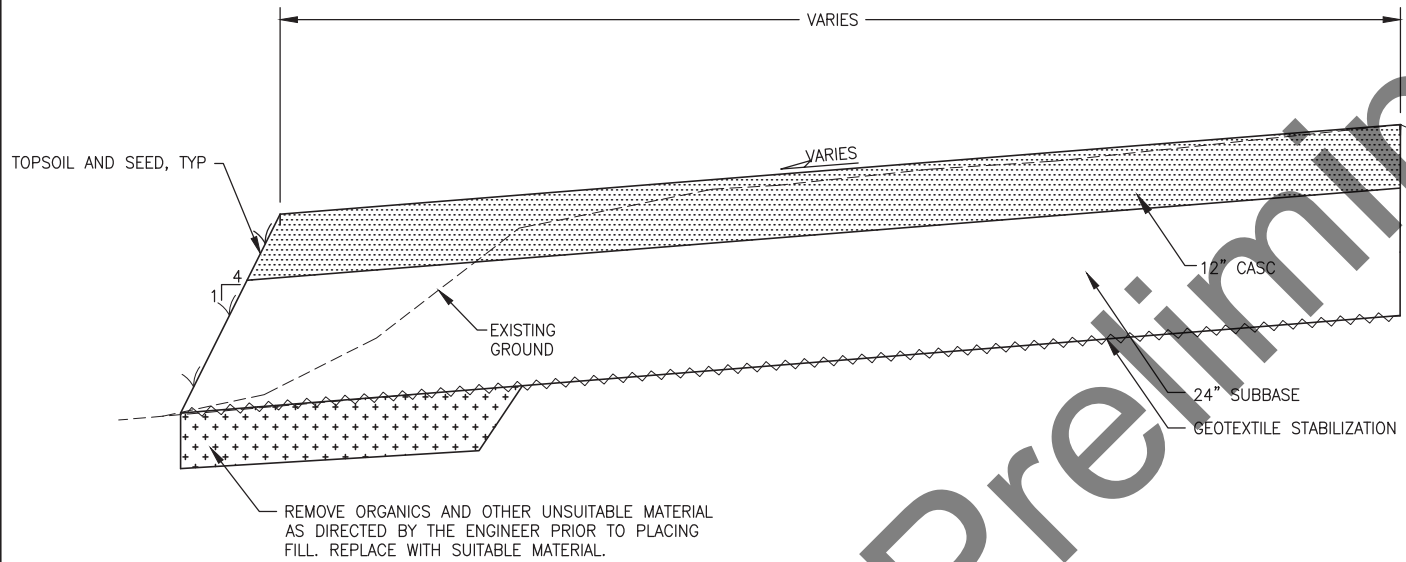
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2/2022  
SHEET:  
11 OF 57



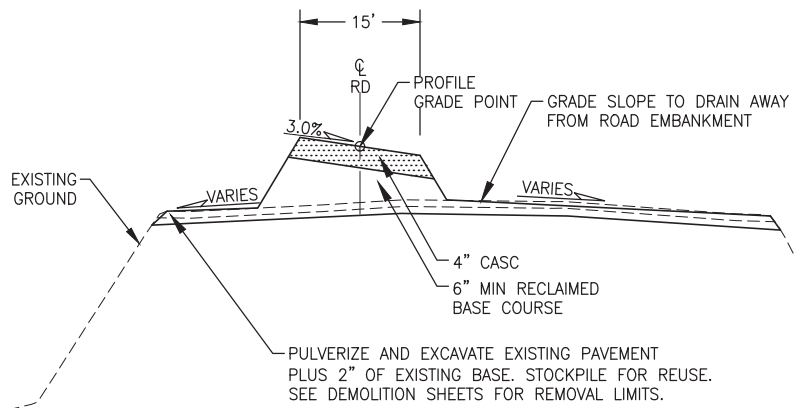
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SCALE: NTS  
"RW" STA 14+05 TO "RW" STA 27+39



2 GA APRON EXPANSION  
SCALE: NTS  
"RW" STA 27+39 TO "RW" STA 35+96



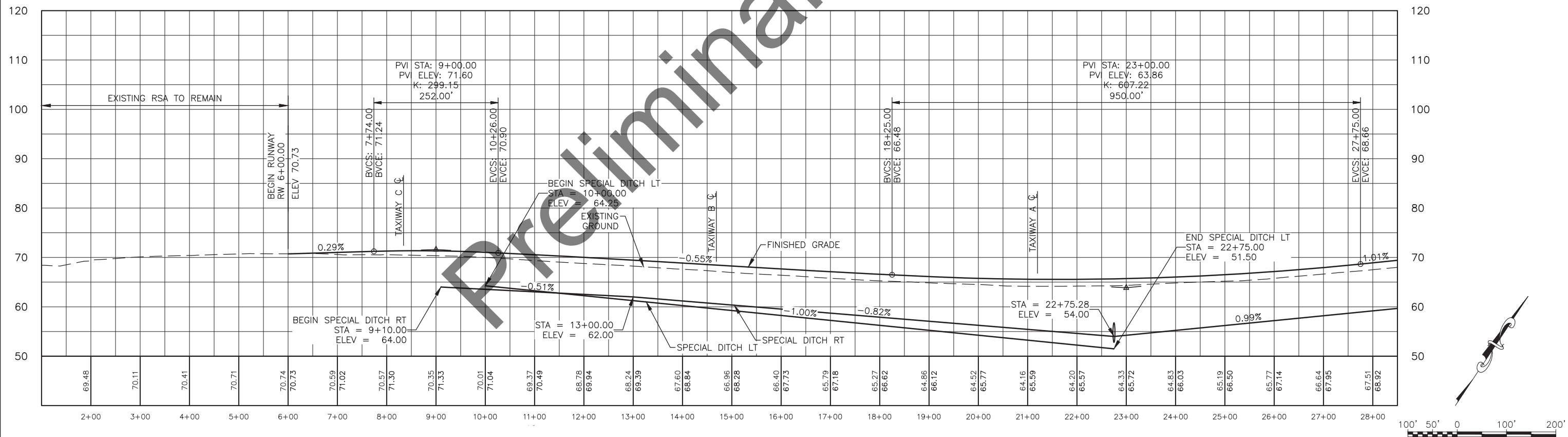
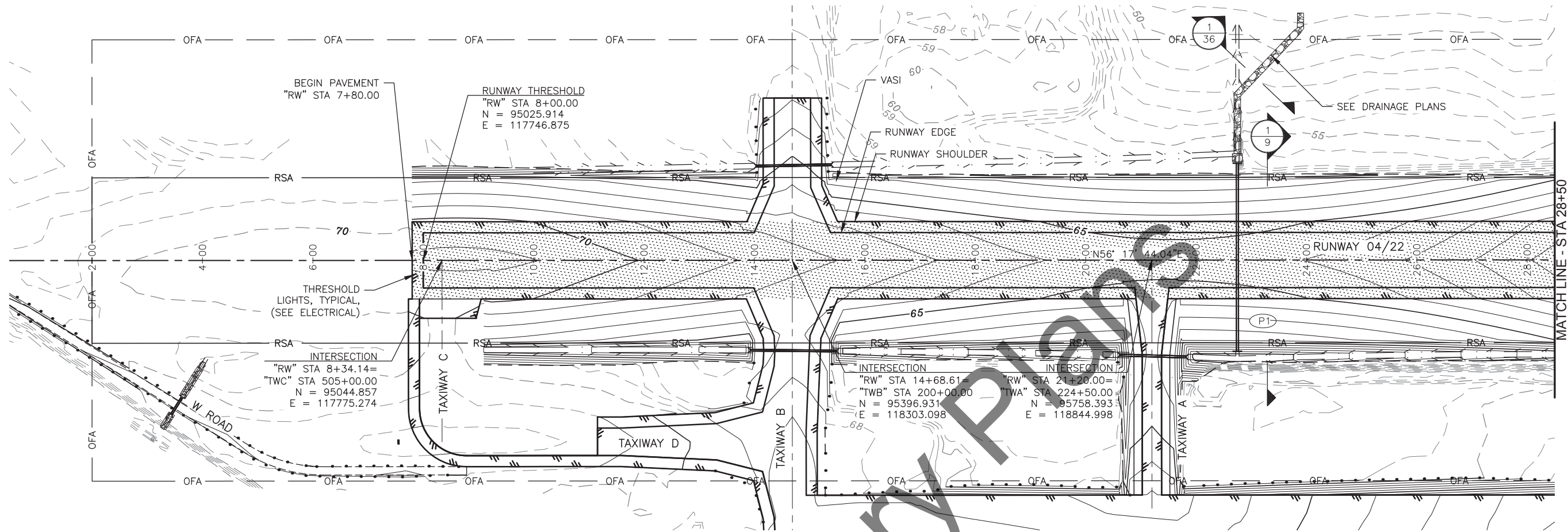
3 GA GRAVEL APRON  
SCALE: NTS  
"RW" STA 35+96 TO "RW" STA 38+17



4 W ROAD  
SCALE: NTS  
"W" STA 3+90 TO "W" STA 19+15

NOTES:  
1. SEE GRADING PLAN FOR LIMITS OF PAVEMENT DEMOLITION AND WEST ROAD CONSTRUCTION

2/18/2022 2:43 PM  
Date Revised: RUNWAY 4-22 (1)  
Layout Name: H:\Jobs\20-2022 Homer Airport Improvements (DOT&PF CR)\CAD Drawings\0491-HOM-11-13-RUNWAY-P&Ps.dwg  
File Path and Name: HDL  
Designed By: DAD  
Drawn By: CDB  
Checked By: MPM



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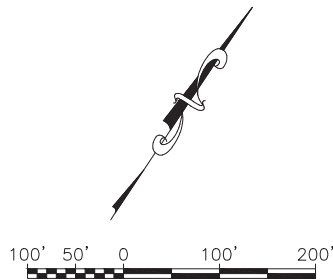
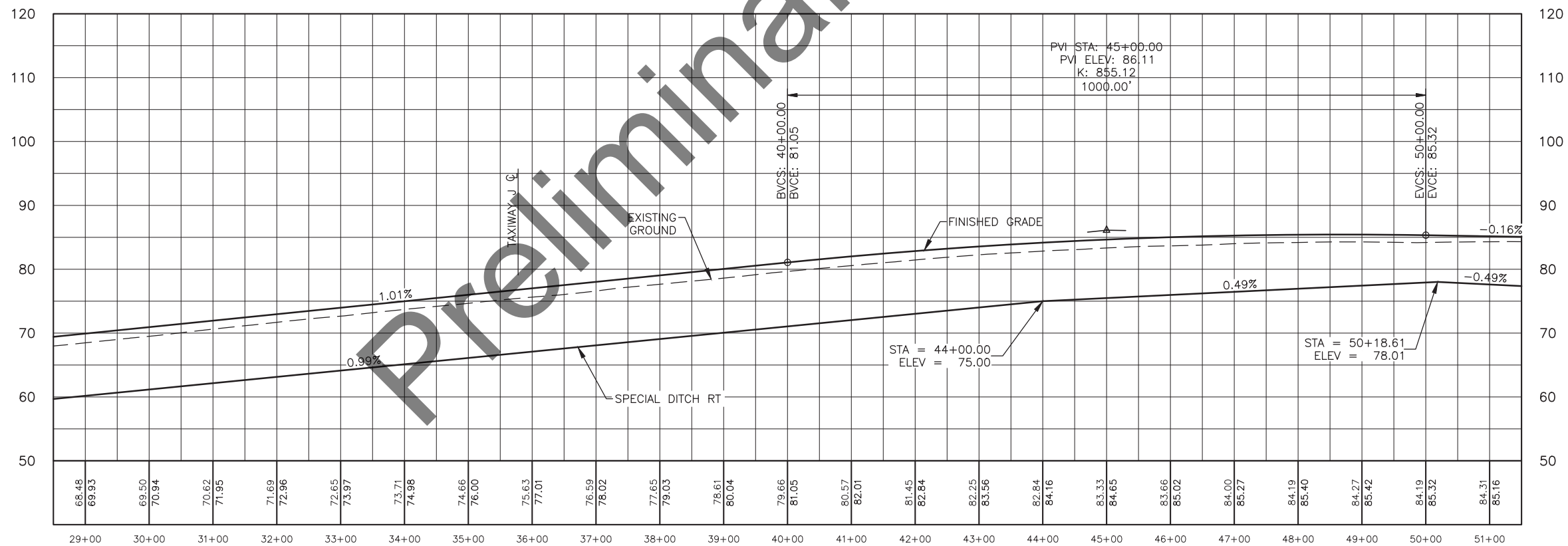
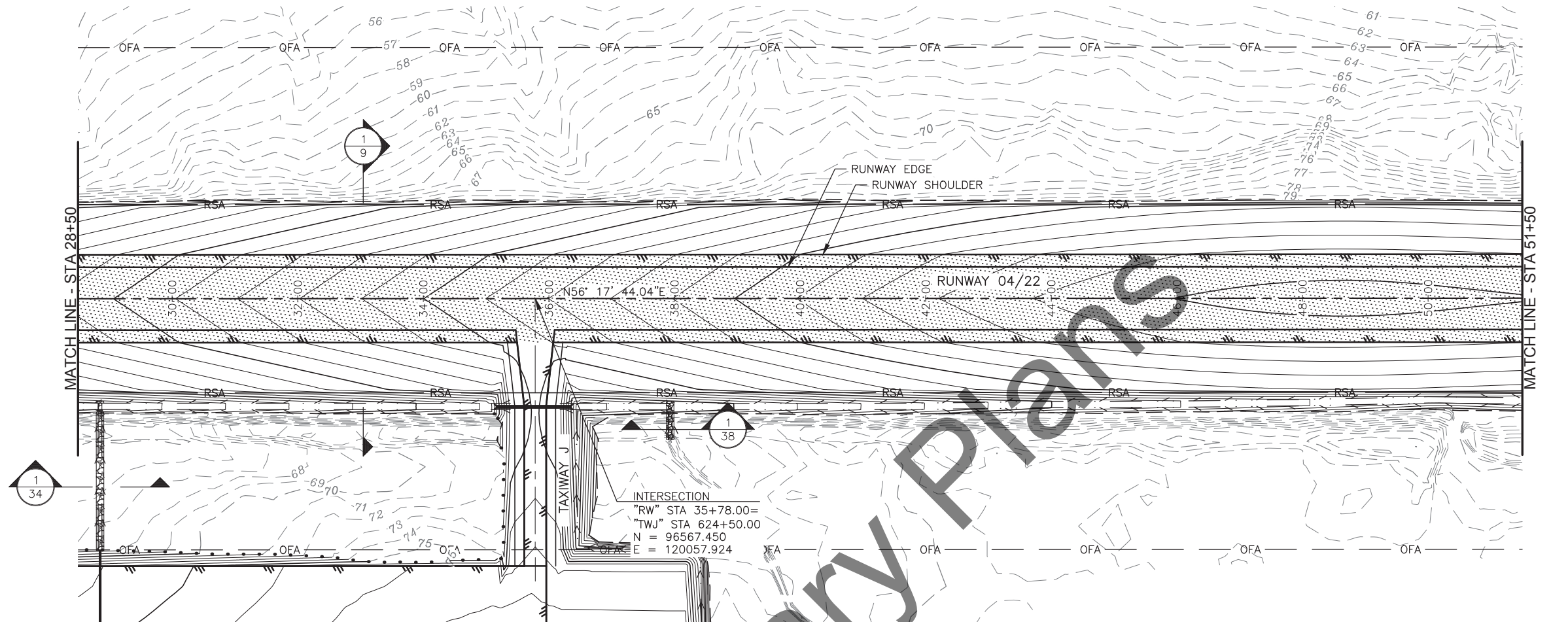
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PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
RUNWAY PLAN & PROFILE

DATE:  
2/2022

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Date Revised:	2/18/2022, 2:43 PM
Layout Name:	RUNWAY 4-22 (3)
File Path and Name:	H:\jobs\20-022 Hom

LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1	RW 78+43.62	400.00 RT	GRADE BREAK
2	RW 79+78.58	234.73 RT	GRADE BREAK
3	RW 80+87.56	184.98 RT	GRADE BREAK
4	RW 80+99.17	183.68 RT	GRADE BREAK

Match Line - STA 51+50

Runway 04/22

Taxiway G

Taxiway H

Runway Shoulder

Runway Edge

Obstruction Removal Limits, See Typical Section

Obstruction Free Area

VASI

Runway Threshold

Intersection "RW" STA 70+76.00 = "TWG" STA 600+00.00  
N = 98508.521  
E = 122967.950

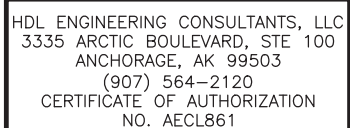
Intersection "RW" STA 74+76.00 = "TWG" STA 610+47.64  
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E = 123300.714

Runway Threshold "RW" STA 75+01.00  
N = 98744.358  
E = 123321.512

End Pavement "RW" STA 75+21.00

End Gravel "RW" STA 81+01.00

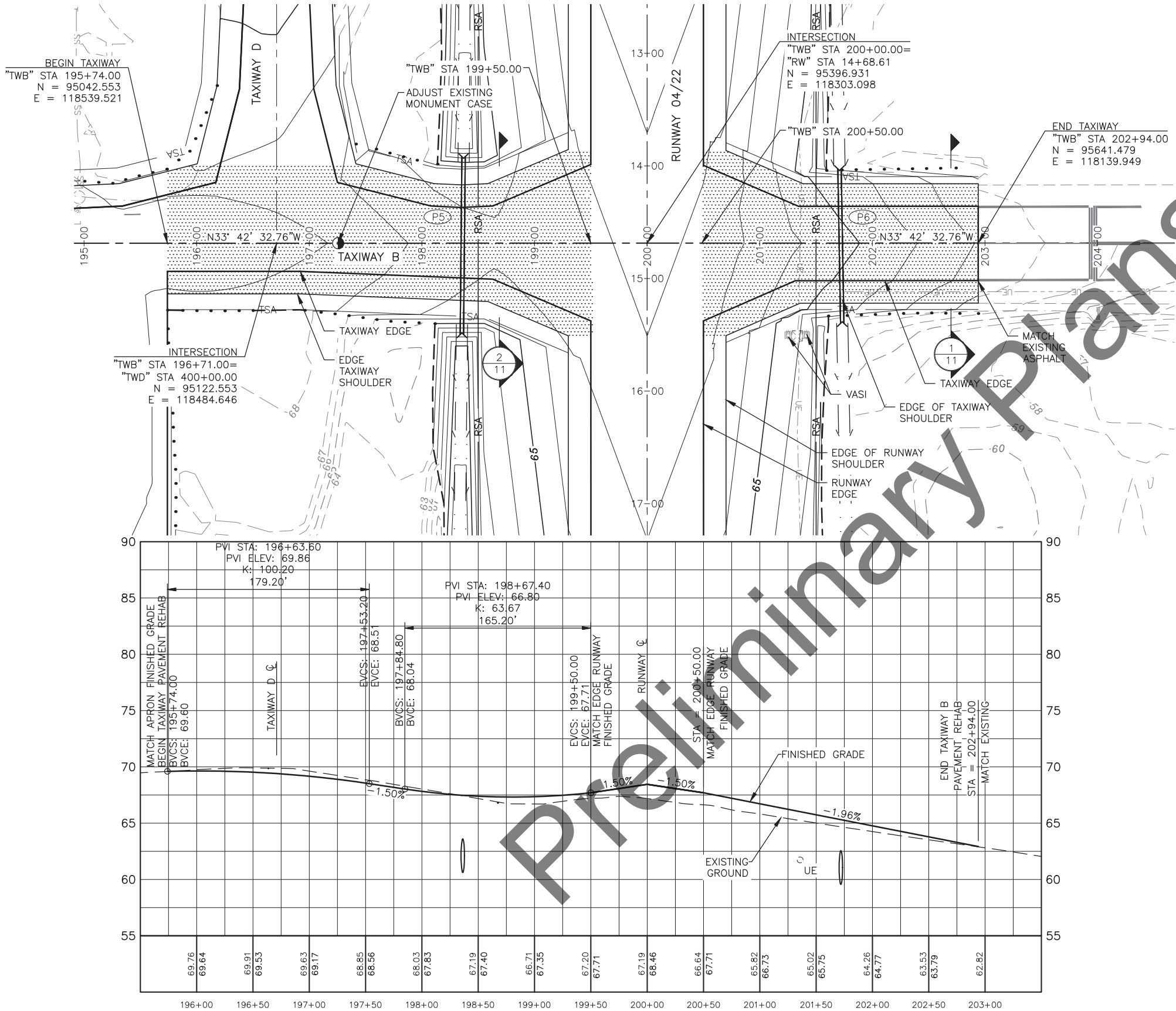
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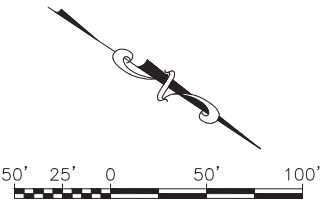
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15 OF 57



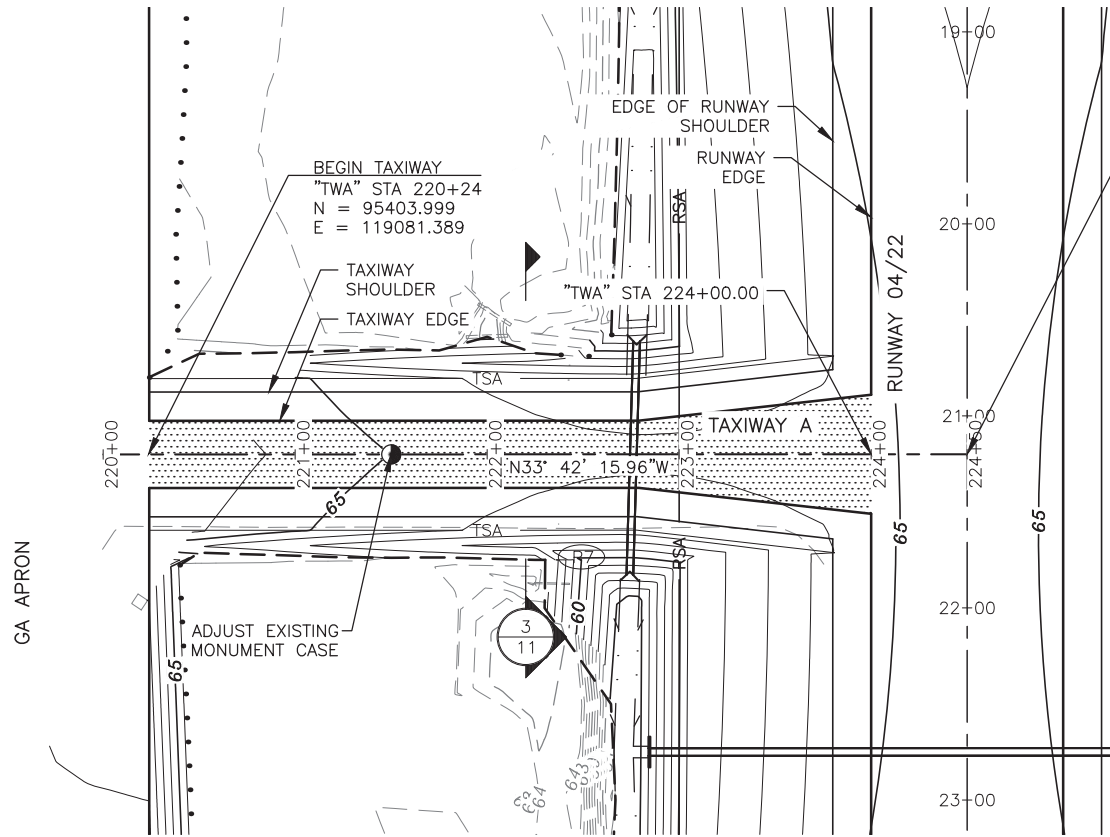
- NOTES:
- SEE GRADING SHEETS FOR ADDITIONAL TAXIWAY GRADING INFORMATION.
  - LOCATION OF EXISTING UTILITY SERVICE TO FAA AWOS UNKNOWN. FIELD LOCATE AND NOTIFY THE ENGINEER OF ANY CONFLICTS.



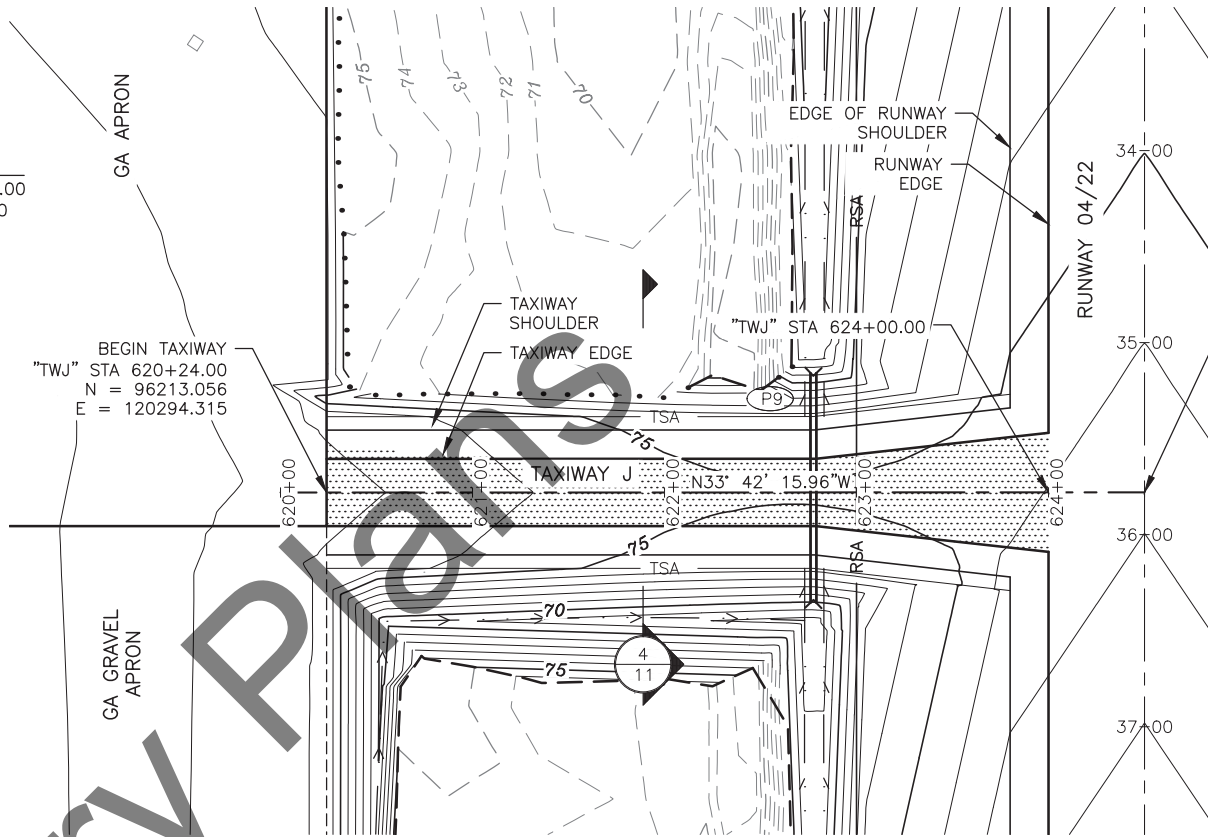
HDL ENGINEERING CONSULTANTS, LLC 3335 ARCTIC BOULEVARD, STE 100 ANCHORAGE, AK 99503 (907) 564-2120 CERTIFICATE OF AUTHORIZATION NO. AECL861			BY	DATE	REVISION

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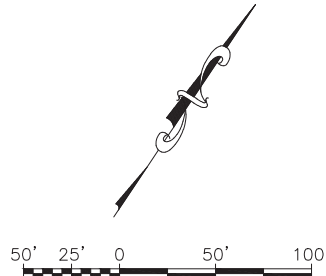
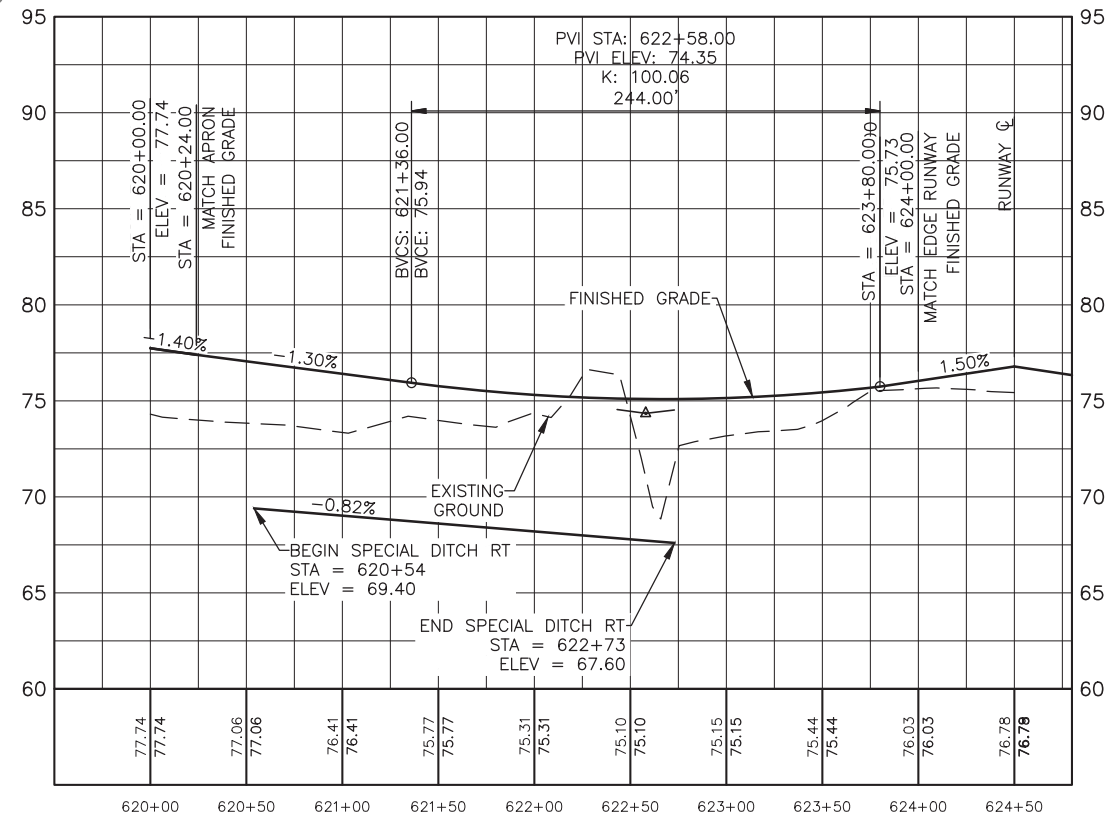
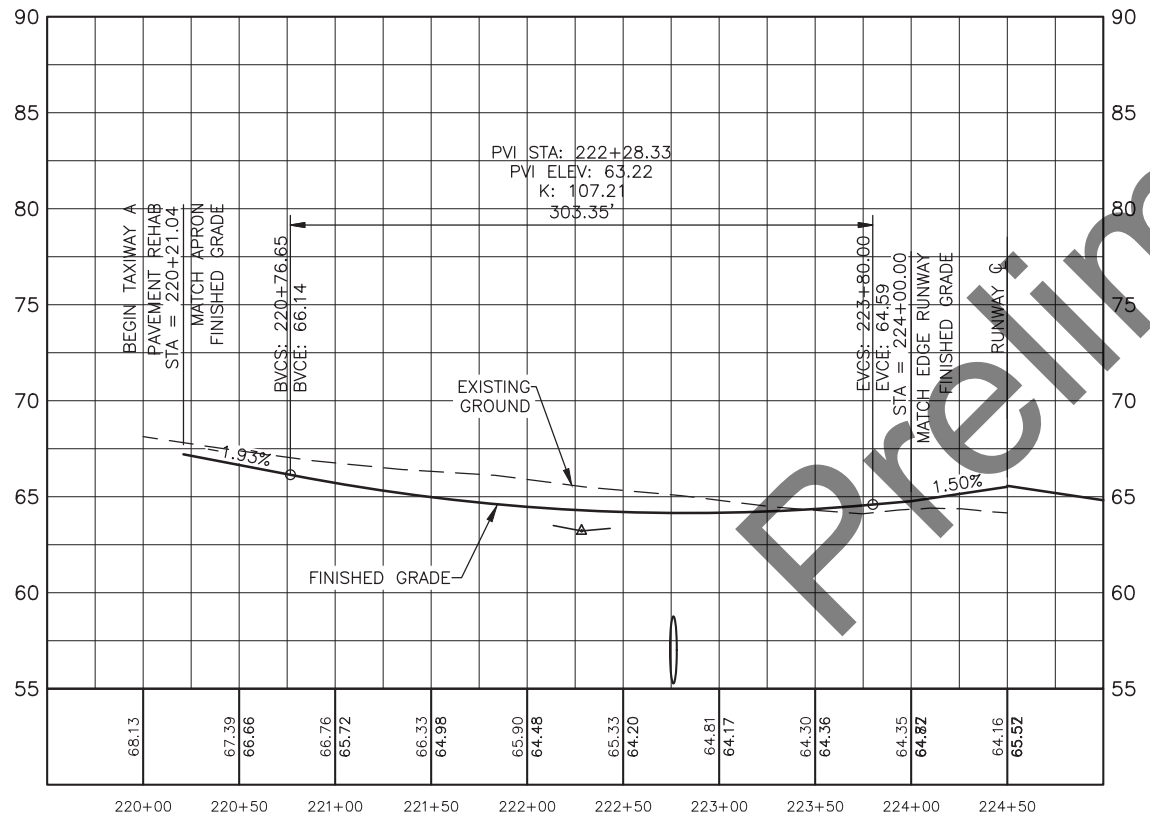
HOMER AIRPORT HOMER, ALASKA HOMER AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 TAXIWAY B PLAN & PROFILE		DATE: 2/2022
		SHEET: 16 OF 57



INTERSECTION  
"TWA" STA 224+50.00  
"RW" STA 21+20.00  
N = 95758.393  
E = 118844.998



INTERSECTION  
"TWJ" STA 624+50.00  
"RW" STA 35+78.00  
N = 96567.450  
E = 120057.924



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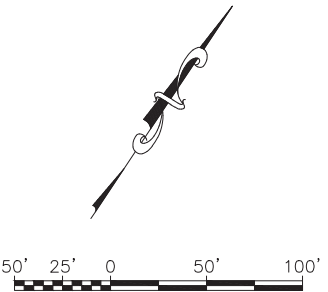
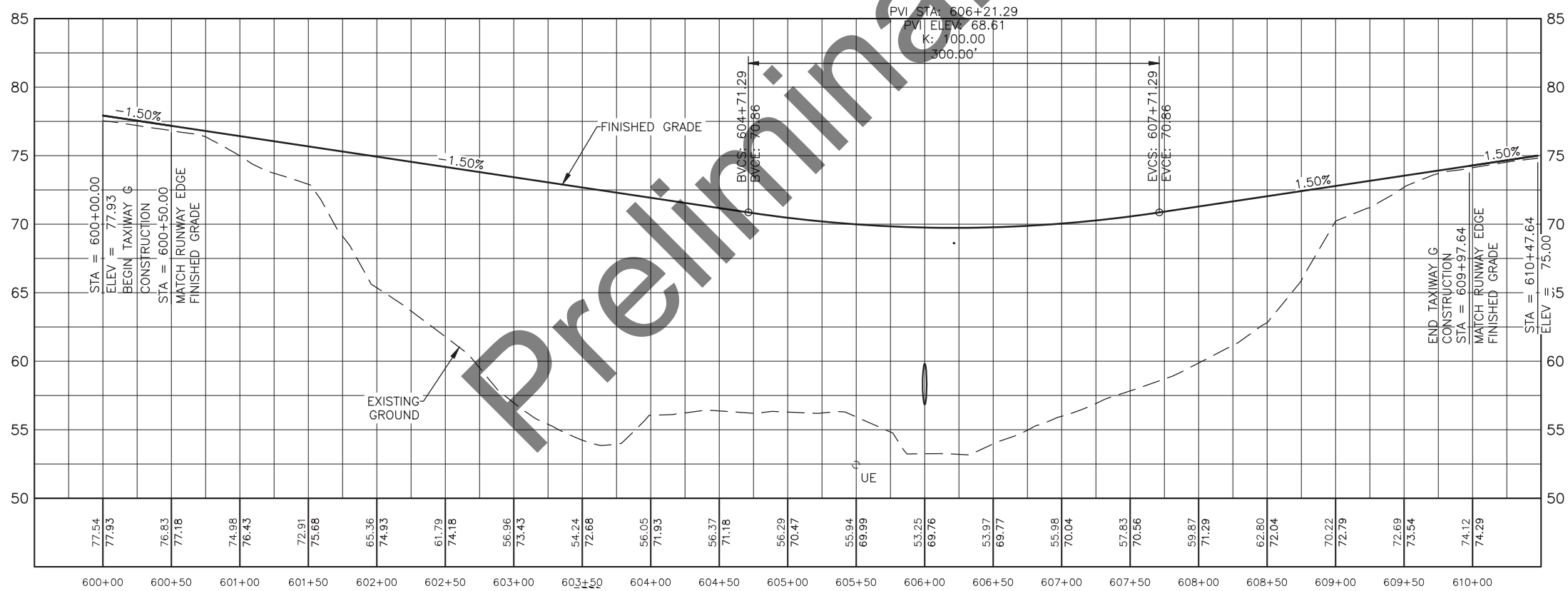
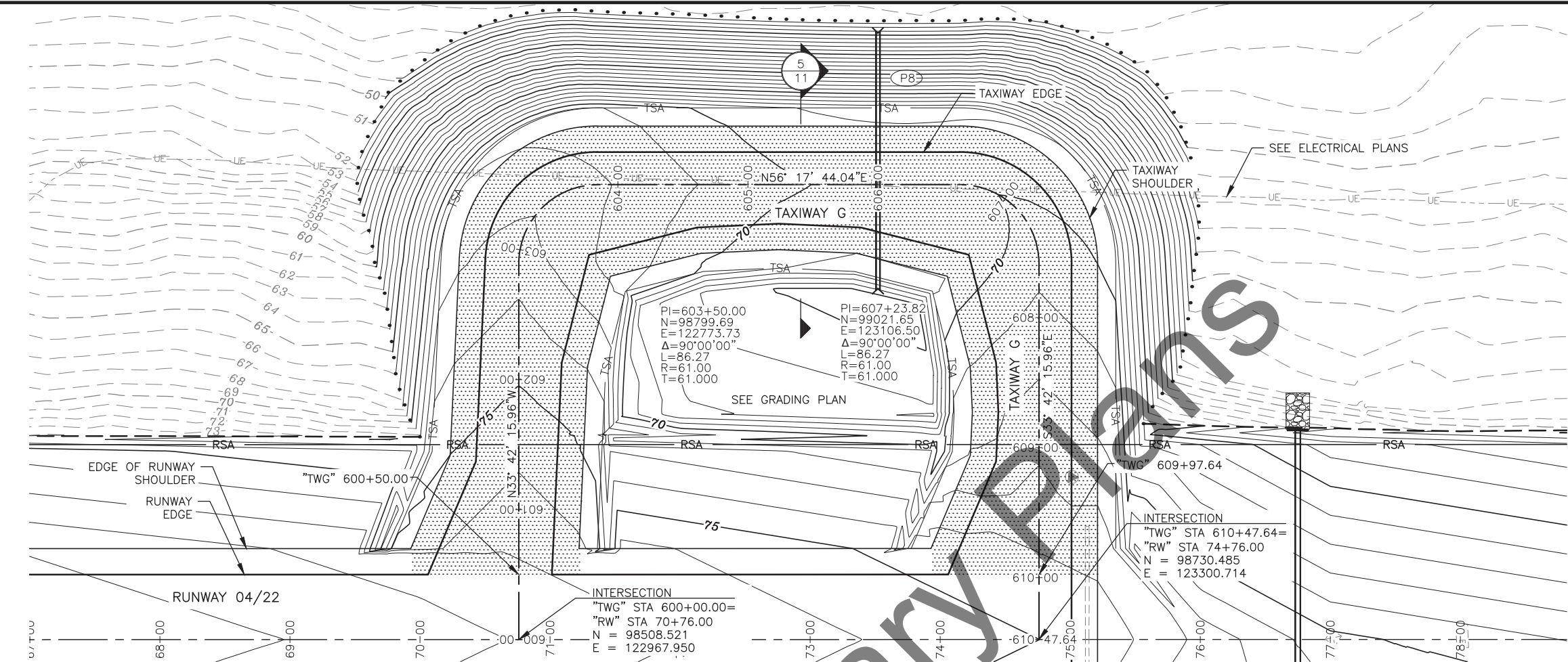
STATE OF ALASKA  
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HOMER AIRPORT  
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HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY A & J PLAN &  
PROFILE

DATE:  
2/2022  
SHEET:  
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Date Revised: 2/18/2022 2:44 PM  
Layout Name: TAXIWAY PLAN & PROFILE G  
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Designed By: DAD  
Drawn By: CDB  
Checked By: MPM



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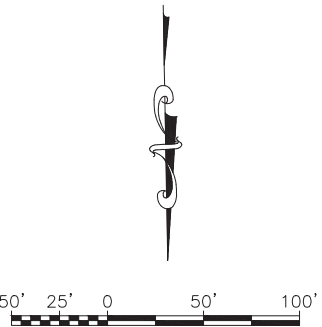
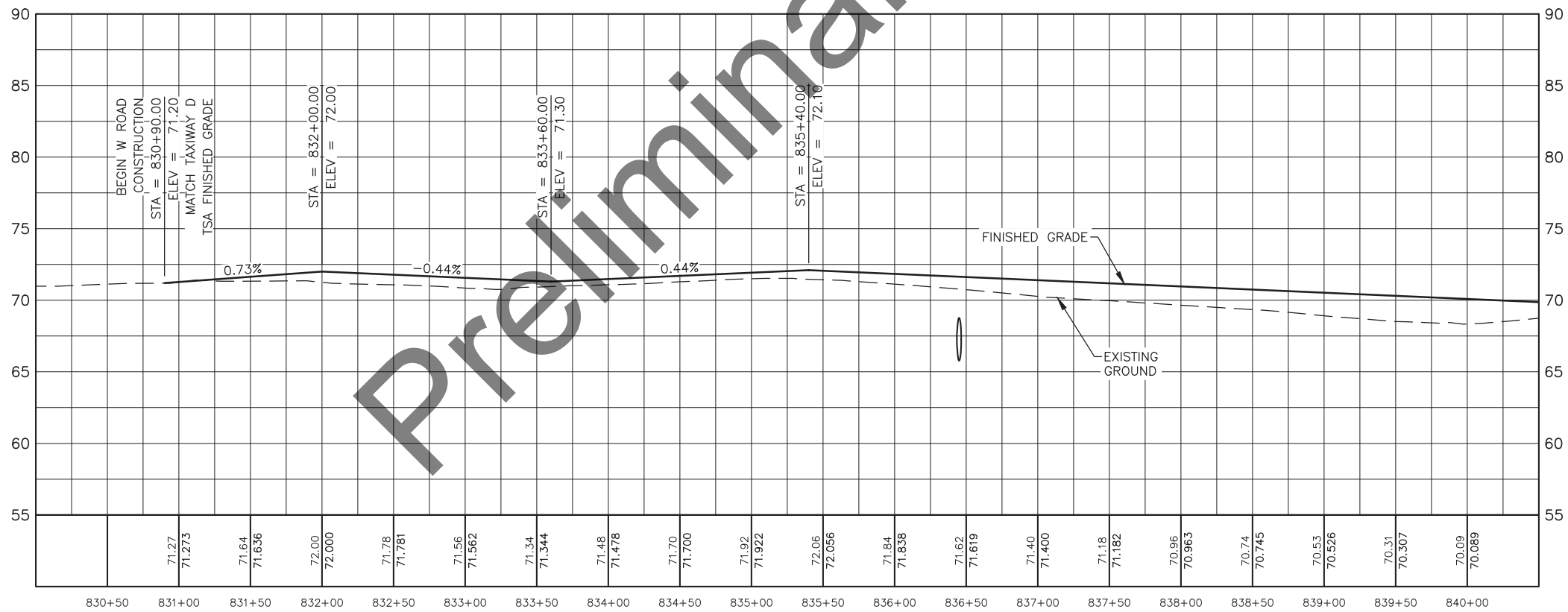
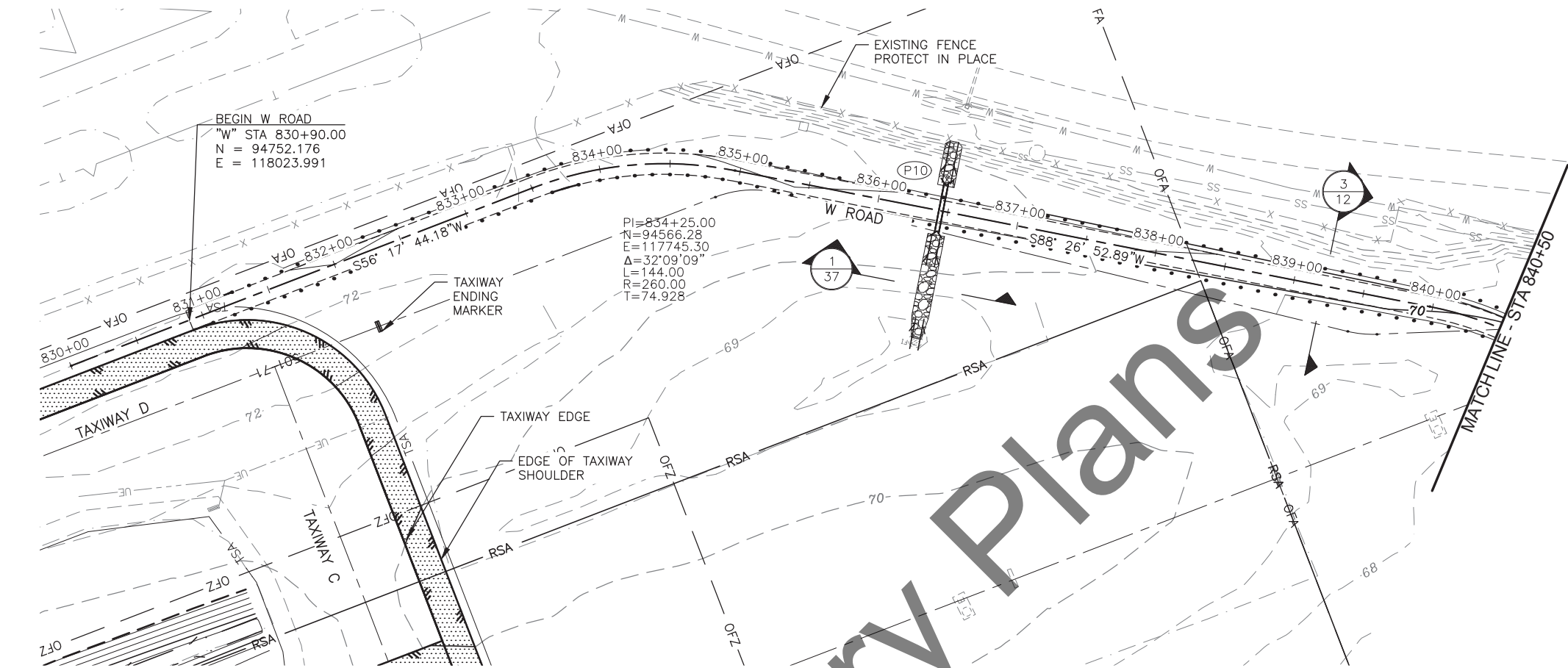
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PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY G PLAN & PROFILE

DATE:  
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18 OF 57

Date: 2/18/2022 2:44 PM  
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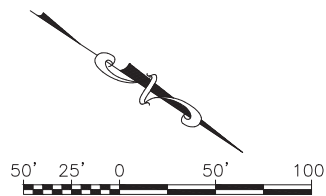
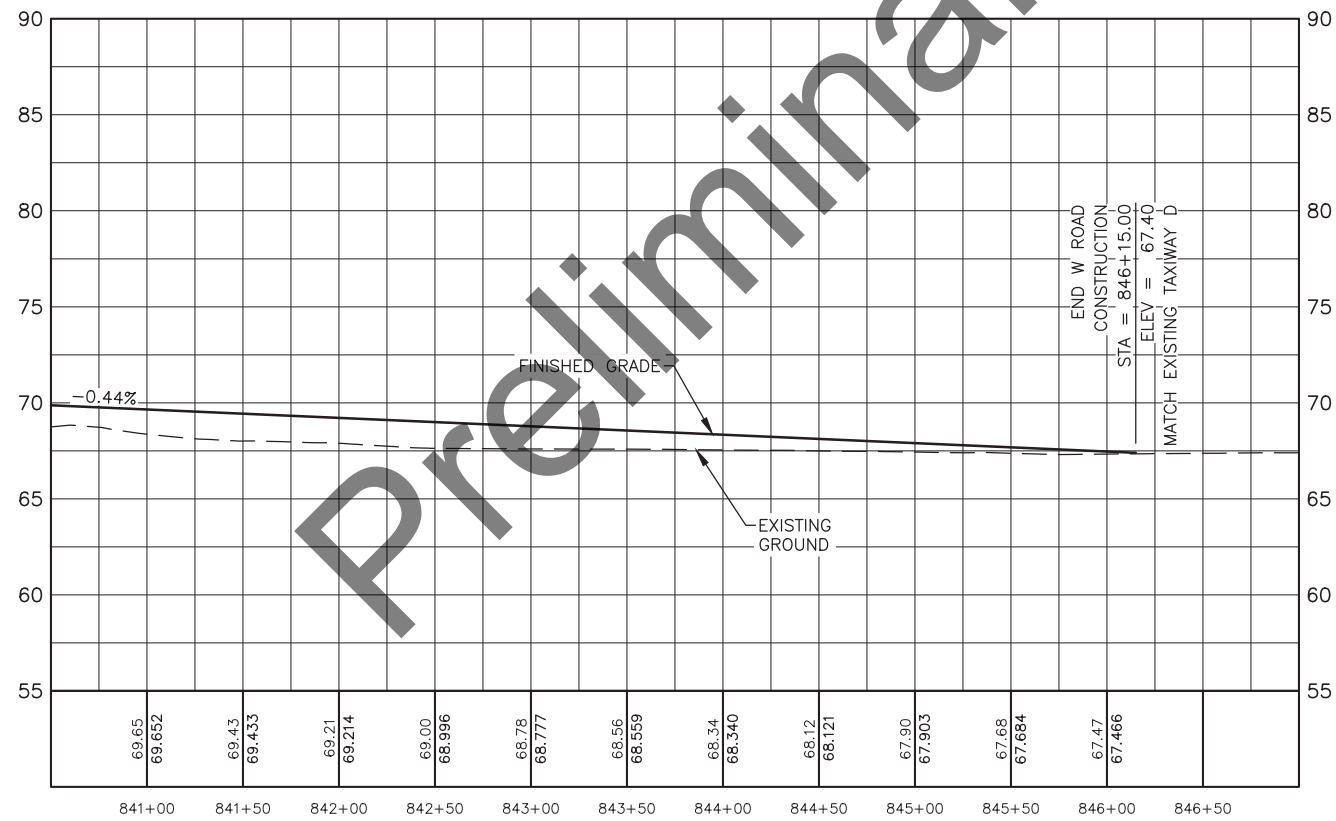
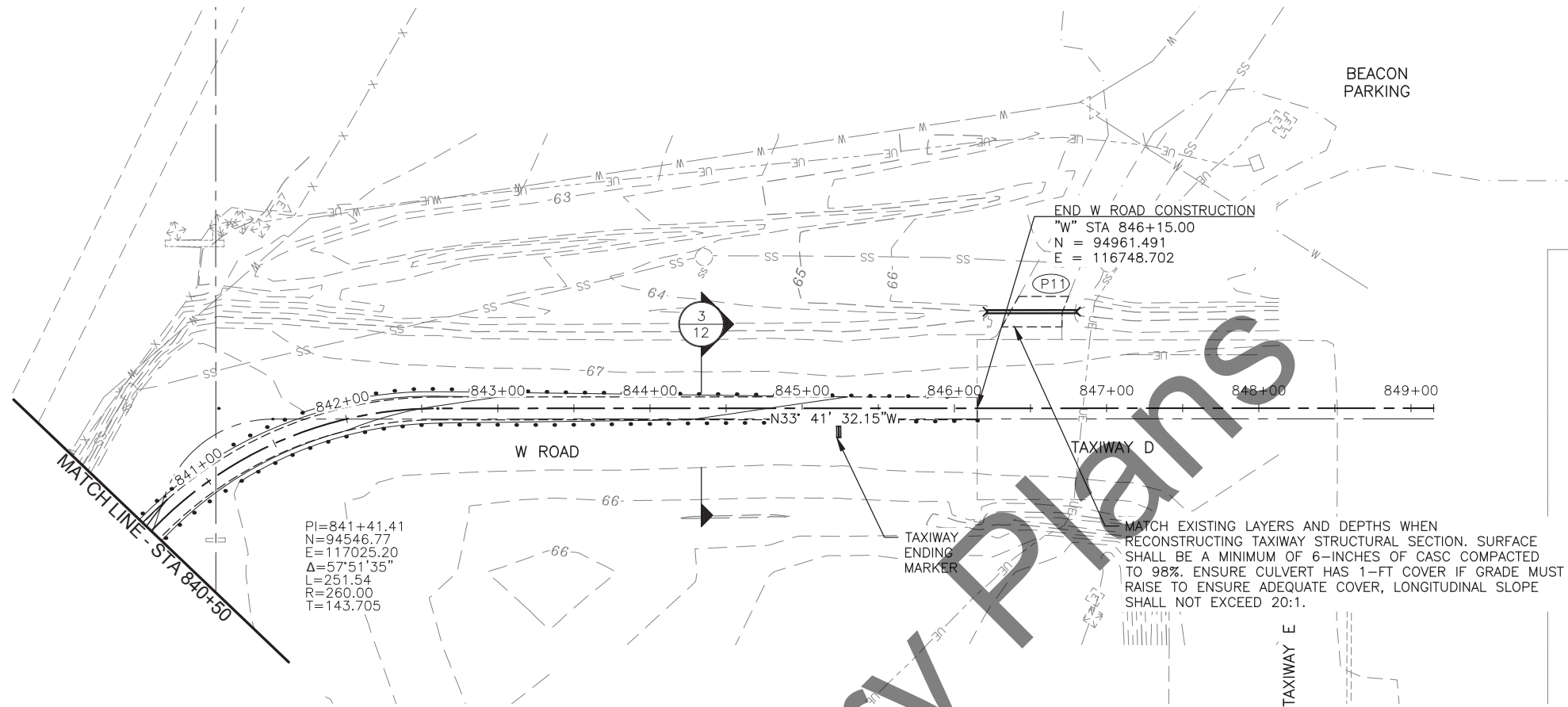
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HOMER AIRPORT  
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PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
W ROAD PLAN AND PROFILE

DATE:  
2/2022  
SHEET:  
19 OF 57

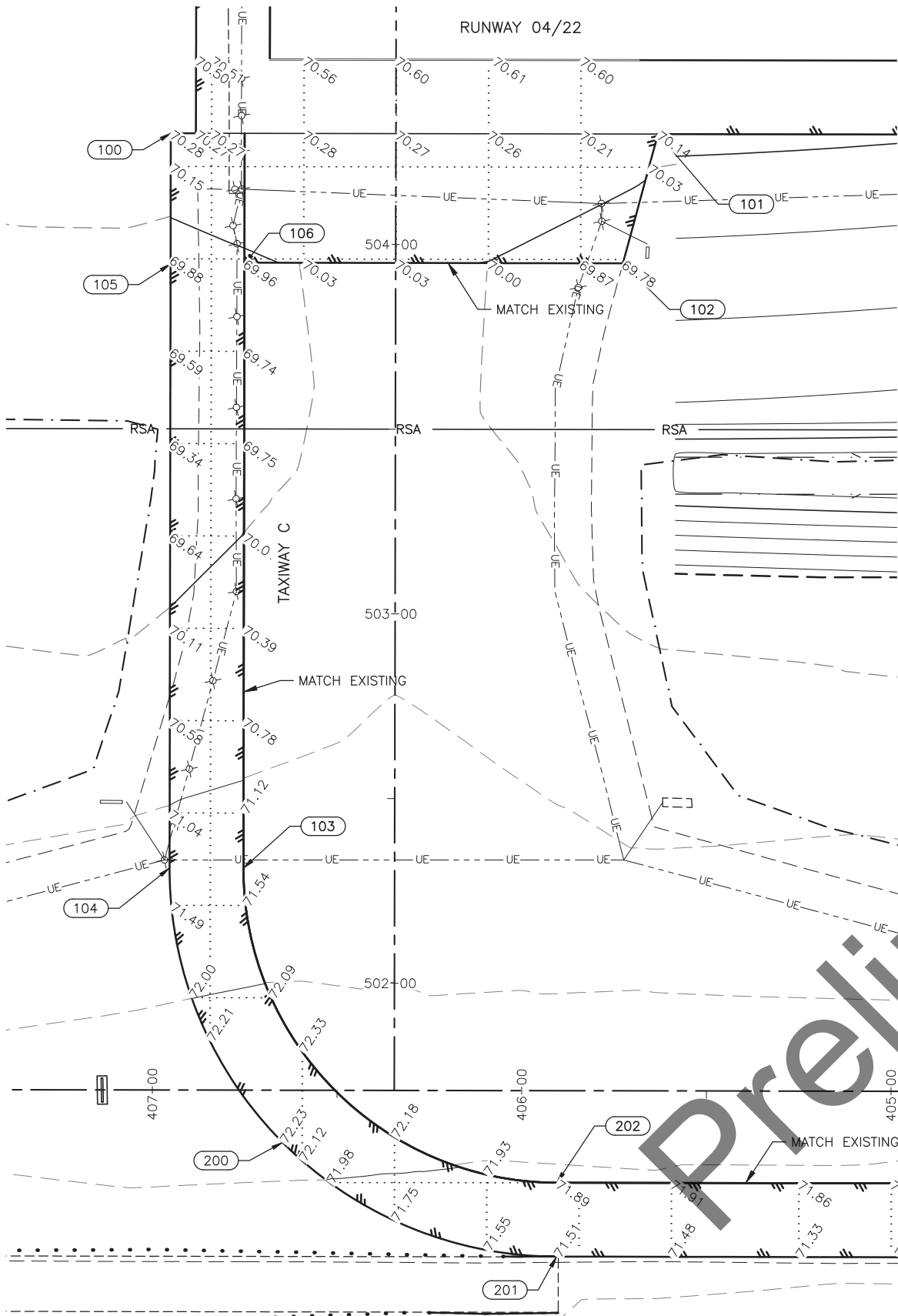




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HOMER AIRPORT HOMER, ALASKA HOMER AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 W ROAD PLAN AND PROFILE	DATE: 2/2022 SHEET: 20 OF 57
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GRADING TABLE			
POINT #	STATION	OFFSET	ELEVATION
100	"TWC" 504+30.00	60.94 L	70.66
101	"TWC" 504+30.00	70.94 R	70.94
102	"TWC" 503+95.00	61.52 R	ME
103	"TWC" 502+31.10	40.94 L	71.36
104	"TWC" 502+31.10	60.94 L	71.30
105	"TWC" 503+94.62	60.94 L	69.60
106	"TWC" 503+94.62	40.94 L	ME

GRADING TABLE			
POINT #	STATION	OFFSET	ELEVATION
200	"TWD" 406+64.69	14.14 L	72.30
201	"TWD" 405+90.46	44.90 L	71.50
202	"TWD" 405+90.45	24.90 L	71.89
203	"TWD" 403+53.06	24.94 L	ME
204	"TWD" 403+53.06	24.94 R	ME
205	"TWD" 403+53.06	44.94 R	ME
206	"TWD" 403+09.47	44.95 R	70.86
207	"TWD" 403+09.00	24.95 R	71.31
208	"TWD" 403+09.00	24.95 L	71.17
209	"TWD" 403+09.47	44.95 L	70.75

GRADING PLAN NOTES:

- SEE ELECTRICAL FOR LIGHTING DETAILS.
- ALL ELEVATIONS SHOWN ARE FOR TOP OF FINISH GRADE.
- PROVIDE SMOOTH TRANSITIONS BETWEEN ALL FINISHED GRADE SPOT ELEVATION LOCATIONS.
- RECONSTRUCT TAXIWAY C AND TAXIWAY C SHOULDER MATCHING THE STRUCTURAL SECTION DETAIL 1, SHEET 11.
- SEE PROFILE SHEETS WHERE APPLICABLE FOR CENTERLINE ELEVATIONS.

TAXIWAY C, D GRADING PLAN

HDL ENGINEERING CONSULTANTS, LLC  
3335 ARCTIC BOULEVARD, STE 100  
ANCHORAGE, AK 99503  
(907) 564-2120  
CERTIFICATE OF AUTHORIZATION  
NO. AECL861

BY	DATE	REVISION

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

HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY C, D GRADING &  
LAYOUT PLAN

DATE:  
2/2022  
SHEET:  
21 OF 57

Date Revised: 2/18/2022, 2:47 PM

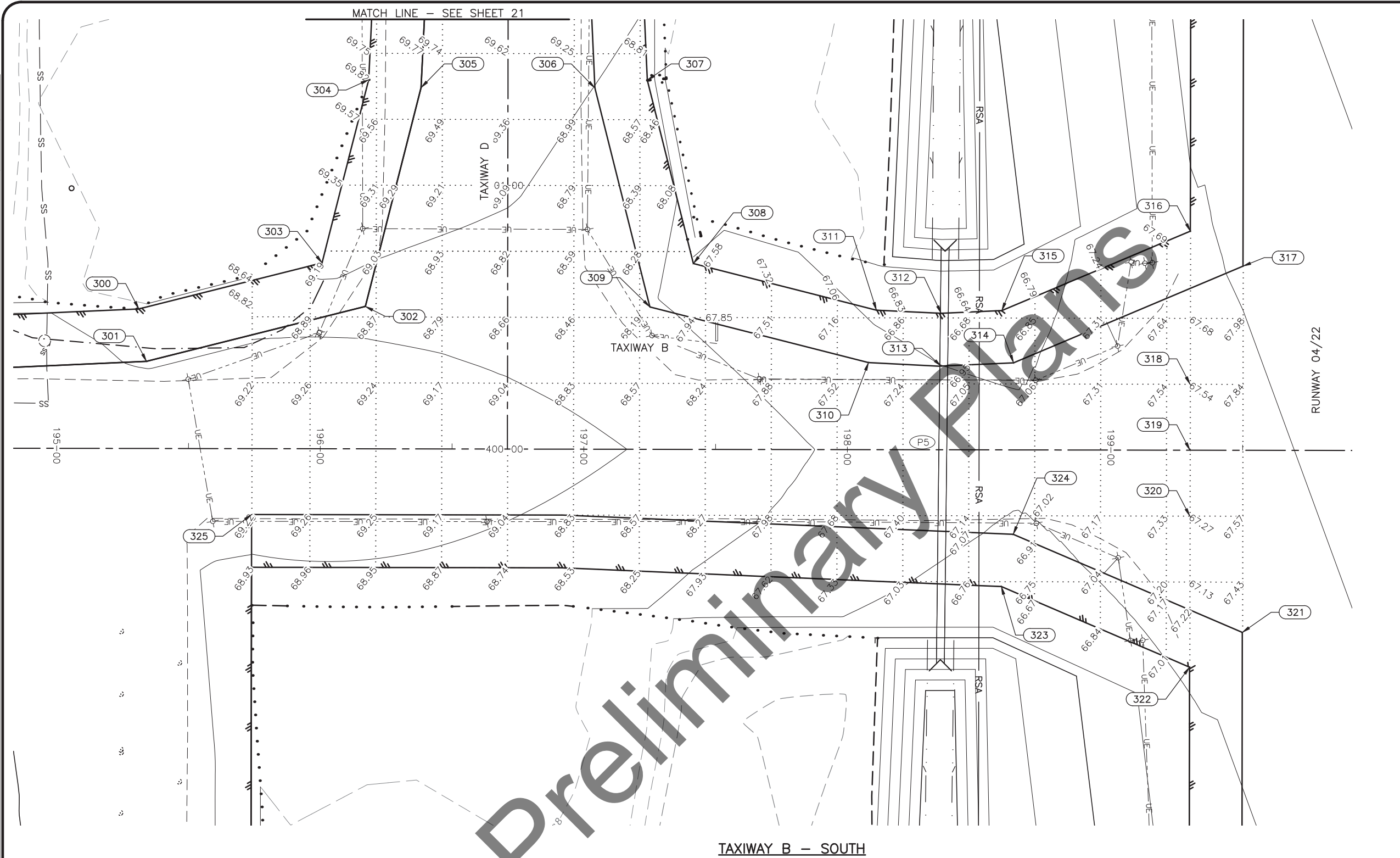
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File Path and Name: H:\jbsa\_20-2022 Homer Airport Improvements (DOT&PF CR)\CAD Drawings\00491-HOM-35-XI-Grading Plans.dwg

Designed By: DAD

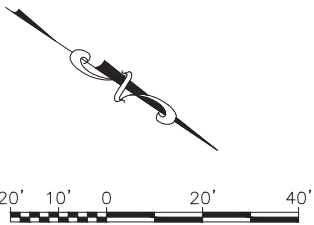
Drawn By: CDB

Checked By: MPM



TAXIWAY B – SOUTH

GRADING TABLE			
POINT #	STATION	OFFSET	ELEVATION
300	"TWB" 195+31.07	52.92 L	70.48
301	"TWB" 195+34.01	33.03 L	68.93
302	"TWB" 196+17.01	54.01 L	68.82
303	"TWB" 196+00.55	70.48 L	69.10
304	"TWB" 196+18.15	139.96 L	69.70
305	"TWB" 196+38.03	137.01 L	69.67
306	"TWB" 197+03.99	137.00 L	68.99
307	"TWB" 197+23.87	139.95 L	68.69
308	"TWB" 197+41.46	70.47 L	67.63
309	"TWB" 197+25.00	54.00 L	68.09
310	"TWB" 198+08.00	33.01 L	67.45
311	"TWB" 198+10.94	52.90 L	67.15
312	"TWB" 198+35.50	51.76 L	66.79
313	"TWB" 198+35.50	31.73 L	67.09
314	"TWB" 198+63.00	33.01 L	67.79
315	"TWB" 198+58.50	52.82 L	66.57
316	"TWB" 199+30.01	83.07 L	67.32
317	"TWB" 199+50.01	69.81 L	68.09
318	"TWB" 199+30.00	25.00 L	67.30
319	"TWB" 199+30.00	0.00 R	67.57
320	"TWB" 199+30.00	25.00 R	67.33
321	"TWB" 199+49.99	69.07 R	67.32
322	"TWB" 199+29.99	82.29 R	66.79
323	"TWB" 198+58.53	51.83 R	66.58
324	"TWB" 198+63.00	32.00 R	66.87
325	"TWB" 195+74.00	25.00 R	69.22



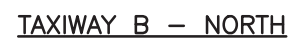
HDL ENGINEERING CONSULTANTS, LLC  
3335 ARCTIC BOULEVARD, STE 100  
ANCHORAGE, AK 99503  
(907) 564-2120  
CERTIFICATE OF AUTHORIZATION  
NO. AECL861

BY	DATE	REVISION

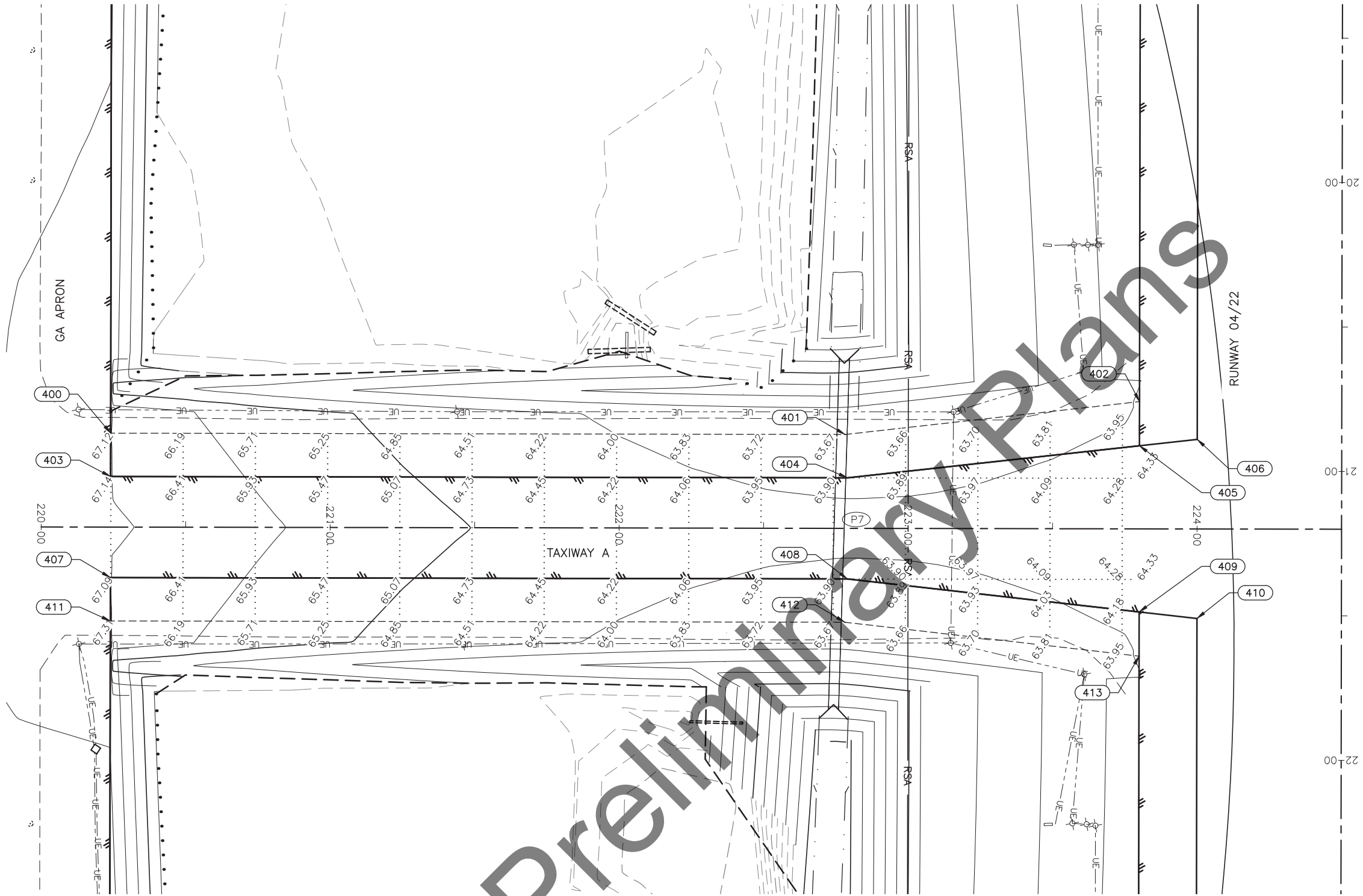
STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
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CENTRAL REGION  
4111 AVIATION AVE., ANCHORAGE ALASKA 99502  
PHONE (907) 269-0590

HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY B – SOUTH GRADING  
& LAYOUT PLAN

DATE:  
2/2022  
SHEET:  
22 OF 57

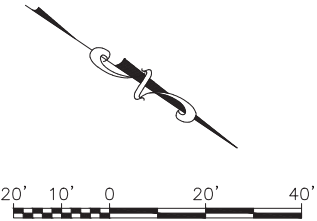






TAXIWAY A GRADING PLAN

GRADING TABLE			
POINT #	STATION	OFFSET	ELEVATION
400	"TWA" 220+24.00	32.50 L	67.15
401	"TWA" 222+78.15	32.50 L	63.69
402	"TWA" 223+80.00	44.06 L	64.57
403	"TWA" 220+24.00	17.50 L	67.14
404	"TWA" 222+79.00	17.50 L	63.92
405	"TWA" 223+80.00	28.77 L	64.55
406	"TWA" 224+00.00	31.00 L	64.85
407	"TWA" 220+24.00	17.50 R	67.10
408	"TWA" 222+79.00	17.50 R	63.92
409	"TWA" 223+80.00	28.77 R	64.51
410	"TWA" 224+00.00	31.00 R	64.81
411	"TWA" 220+24.00	32.50 R	67.31
412	"TWA" 222+78.15	32.50 R	63.69
413	"TWA" 223+80.00	44.06 R	64.11



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BY	DATE	REVISION

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DEPARTMENT OF TRANSPORTATION  
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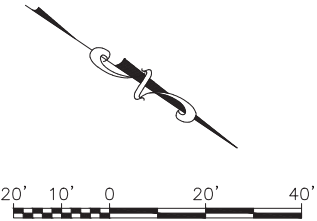
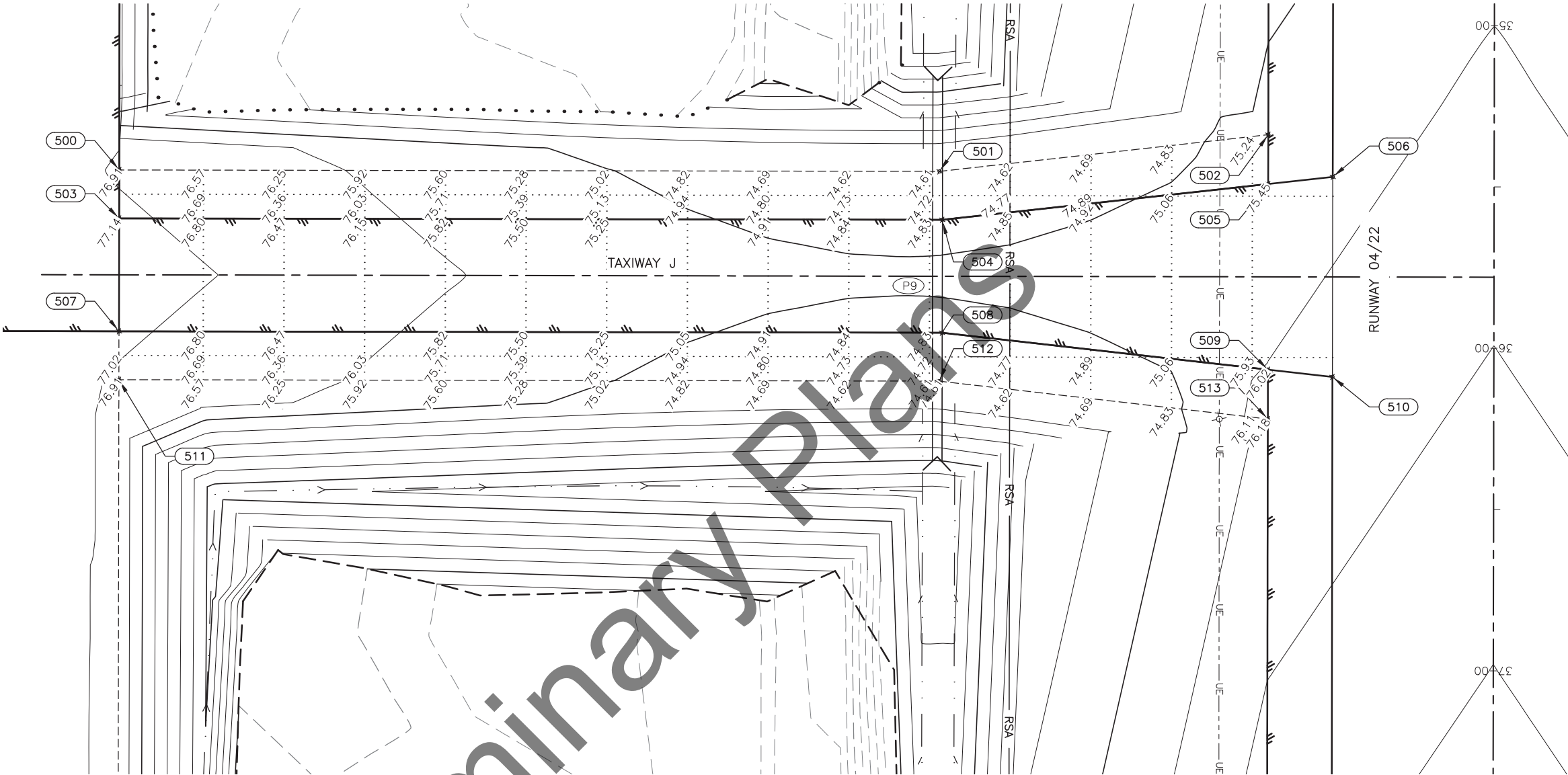
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HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY A GRADING &  
LAYOUT PLAN

DATE:  
2/2022  
SHEET:  
24 OF 57



GRADING TABLE				
POINT #	STATION	OFFSET	ELEVATION	
500	"TWJ" 620+24.00	32.50 L	76.91	
501	"TWJ" 622+78.15	32.50 L	74.61	
502	"TWJ" 623+80.00	44.06 L	75.29	
503	"TWJ" 620+24.00	17.50 L	77.14	
504	"TWJ" 622+79.00	17.50 L	74.84	
505	"TWJ" 623+80.00	28.77 L	75.45	
506	"TWJ" 624+00.00	31.00 L	75.72	
507	"TWJ" 620+24.00	17.50 R	77.14	
508	"TWJ" 622+79.00	17.50 R	74.84	
509	"TWJ" 623+80.00	28.77 R	76.02	
510	"TWJ" 624+00.00	31.00 R	76.35	
511	"TWJ" 620+24.00	32.50 R	76.91	
512	"TWJ" 622+78.15	32.50 R	74.61	
513	"TWJ" 623+80.00	44.06 R	76.18	

TAXIWAY J GRADING PLAN



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CERTIFICATE OF AUTHORIZATION  
NO. AECL861

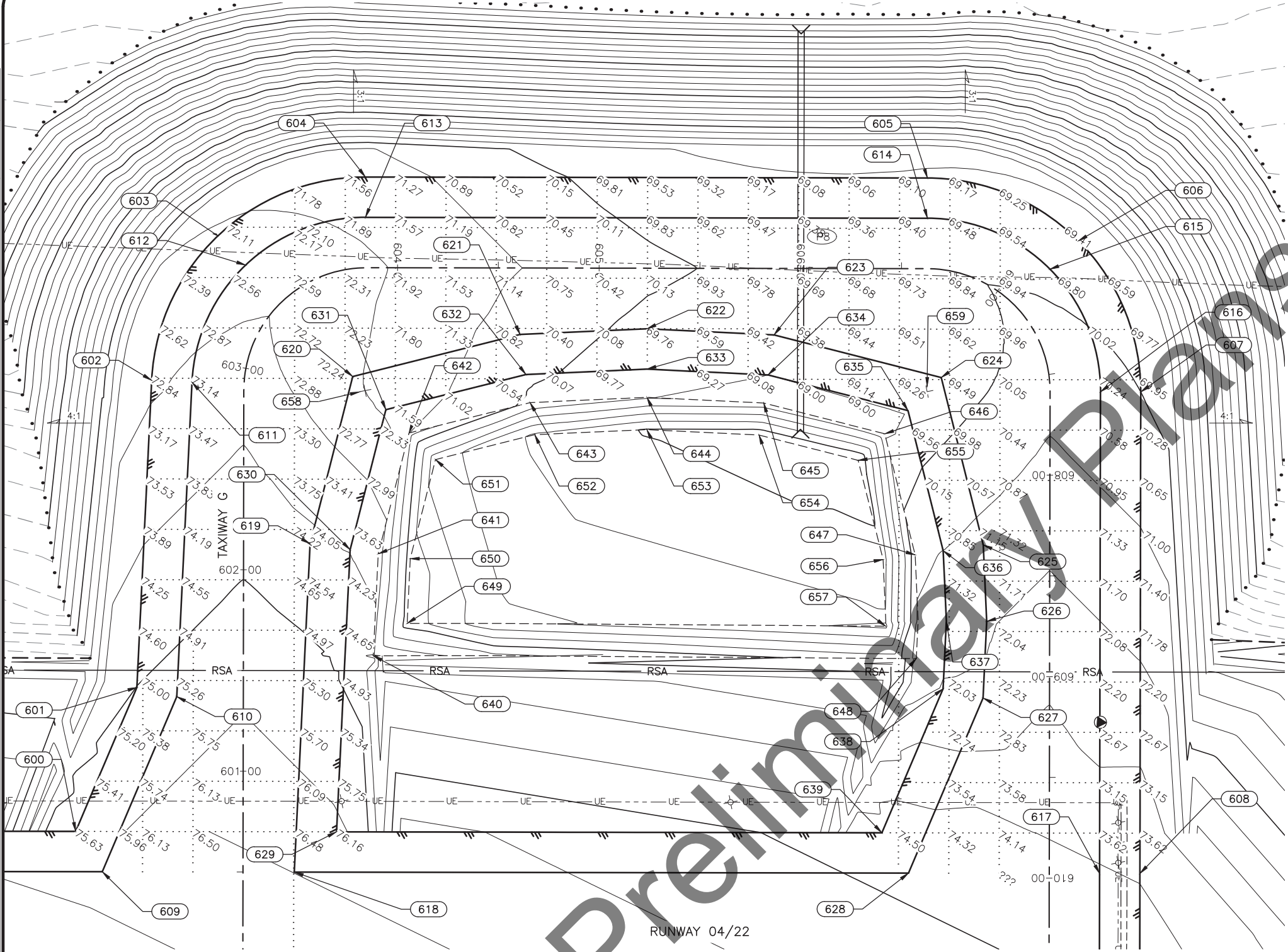
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AND PUBLIC FACILITIES  
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HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY J GRADING &  
LAYOUT PLAN

DATE:  
2/2022  
SHEET:  
25 OF 57

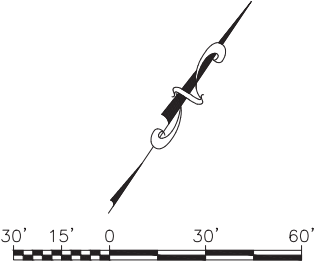
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Designed By: DAD  
Drawn By: CDB  
Checked By: MPM



TAXIWAY G GRADING PLAN

GRADING TABLE				
POINT #	STATION	OFFSET	ELEVATION	
600	"TWG" 600+70.00	83.06 L	77.47	
601	"TWG" 601+41.50	52.81 L	75.01	
602	"TWG" 602+91.81	45.84 L	72.85	
603	"TWG" 603+37.98	45.58 L	72.16	
604	"TWG" 603+84.34	45.00 L	71.49	
605	"TWG" 606+62.82	45.00 L	69.14	
606	"TWG" 607+10.73	45.00 L	69.46	
607	"TWG" 607+58.64	45.00 L	70.00	
608	"TWG" 609+97.64	45.00 L	73.92	
609	"TWG" 600+50.00	69.81 L	77.69	
610	"TWG" 601+37.00	33.00 L	75.38	
611	"TWG" 602+91.81	25.84 L	73.16	
612	"TWG" 603+37.90	25.58 L	72.47	
613	"TWG" 603+84.22	25.00 L	71.79	
614	"TWG" 606+62.82	25.00 L	69.44	
615	"TWG" 607+10.73	25.00 L	69.76	
616	"TWG" 607+58.64	25.00 L	70.30	
617	"TWG" 609+97.64	25.00 L	74.07	
618	"TWG" 600+50.00	25.42 R	76.99	
619	"TWG" 602+13.00	33.00 R	74.23	
620	"TWG" 603+36.91	51.10 R	72.10	
621	"TWG" 604+60.82	33.00 R	70.60	
622	"TWG" 605+23.82	30.07 R	69.76	
623	"TWG" 605+86.82	33.00 R	69.29	
624	"TWG" 607+10.73	51.10 R	69.36	
625	"TWG" 608+34.64	33.00 R	71.32	
626	"TWG" 608+72.64	31.23 R	71.91	
627	"TWG" 609+10.64	33.00 R	72.08	
628	"TWG" 609+97.64	69.81 R	74.76	
629	"TWG" 600+70.00	46.37 R	76.54	

GRADING TABLE				
POINT #	STATION	OFFSET	ELEVATION	
630	"TWG" 602+10.05	52.88 R	73.93	
631	"TWG" 603+94.28	70.46 R	71.81	
632	"TWG" 604+63.77	52.88 R	70.33	
633	"TWG" 605+23.82	50.09 R	69.54	
634	"TWG" 605+83.87	52.88 R	69.06	
635	"TWG" 606+53.35	70.46 R	69.06	
636	"TWG" 608+37.58	52.88 R	71.03	
637	"TWG" 608+72.64	51.25 R	71.61	
638	"TWG" 609+06.14	52.81 R	71.76	
639	"TWG" 609+77.64	83.06 R	74.56	
640	"TWG" 601+57.42	64.45 R	74.44	
641	"TWG" 602+07.99	66.80 R	73.51	
642	"TWG" 604+05.81	81.99 R	71.09	
643	"TWG" 604+65.83	66.80 R	69.92	
644	"TWG" 605+23.82	64.11 R	69.14	
645	"TWG" 605+81.81	66.80 R	68.65	
646	"TWG" 606+41.83	81.99 R	68.64	
647	"TWG" 608+39.65	66.80 R	70.60	
648	"TWG" 608+91.09	66.13 R	71.28	
649	"TWG" 601+73.46	81.21 R	69.60	
650	"TWG" 602+05.63	82.71 R	69.54	
651	"TWG" 604+18.98	95.16 R	67.43	
652	"TWG" 604+68.19	82.71 R	65.85	
653	"TWG" 605+23.82	80.12 R	64.93	
654	"TWG" 605+79.45	82.71 R	64.26	
655	"TWG" 606+28.66	95.16 R	0.00	
656	"TWG" 608+42.01	82.71 R	65.51	
657	"TWG" 608+75.08	81.40 R	65.79	
658	"TWG" 602+89.00	60.16 R	72.04	
659	"TWG" 607+58.64	61.00 R	69.24	



HDL ENGINEERING CONSULTANTS, LLC  
3335 ARCTIC BOULEVARD, STE 100  
ANCHORAGE, AK 99503  
(907) 564-2120  
CERTIFICATE OF AUTHORIZATION  
NO. AECL861

BY	DATE	REVISION

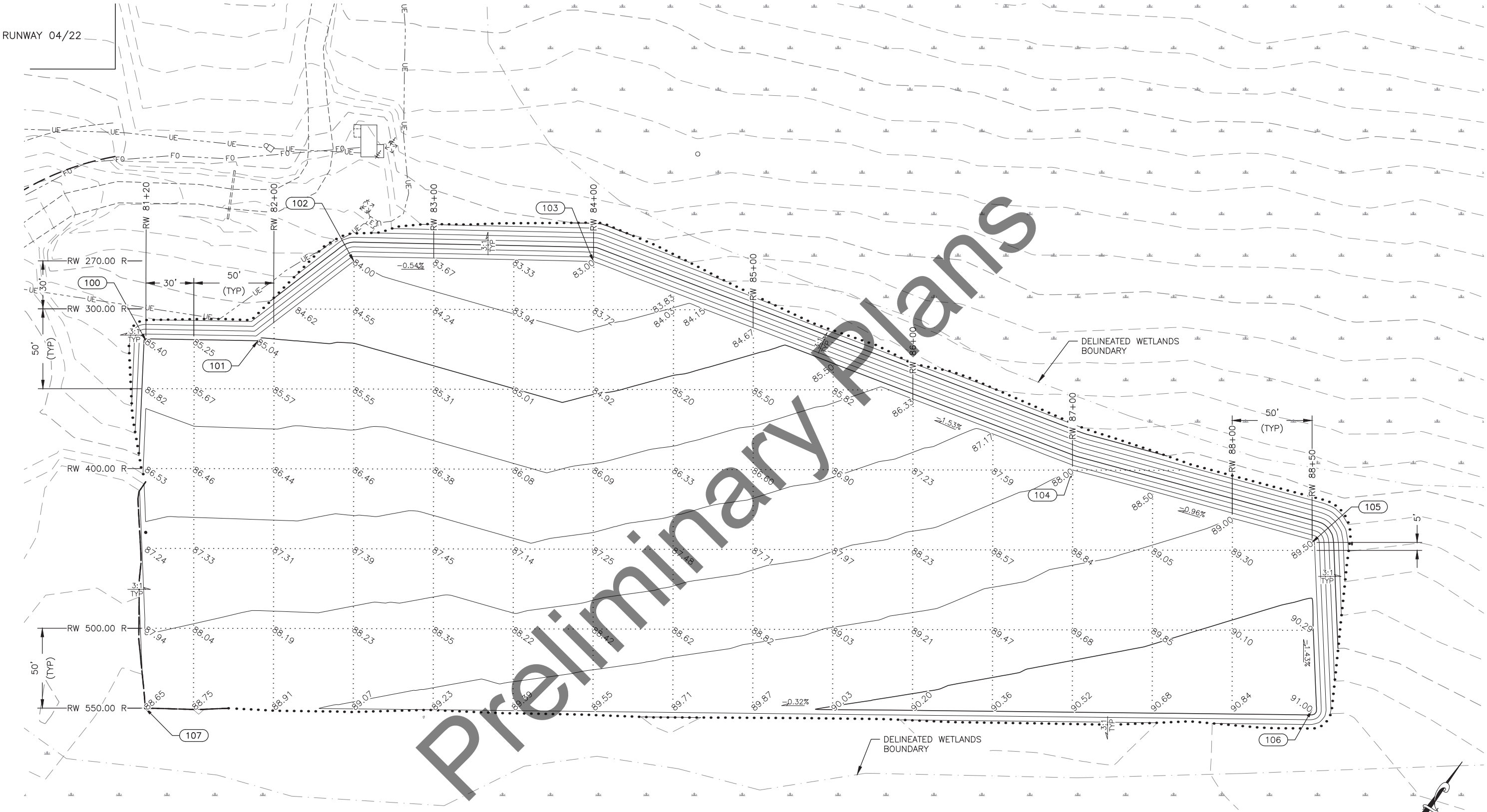
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DEPARTMENT OF TRANSPORTATION  
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CENTRAL REGION  
4111 AVIATION AVE., ANCHORAGE ALASKA 99502  
PHONE (907) 269-0590

HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY G GRADING &  
LAYOUT PLAN

DATE:  
2/2022  
SHEET:  
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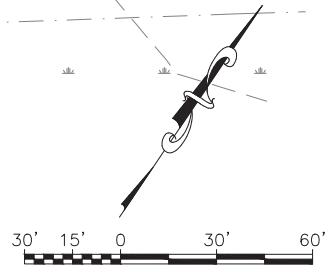
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Designed By: DAD  
Drawn By: CDB  
Checked By: MPM



DISPOSAL AREA LAYOUT POINT TABLE			
POINT	STATION	OFFSET	REMARKS
100	"RW" 81+20.00	320.00 R	PAD CORNER
101	"RW" 81+20.00	270.00 R	PAD CORNER
102	"RW" 81+20.00	270.00 R	PAD CORNER
103	"RW" 84+00.00	270.00 R	PAD CORNER
105	"RW" 88+50.00	445.00 R	PAD CORNER
106	"RW" 88+50.00	550.00 R	PAD CORNER
107	"RW" 81+20.00	550.00 R	PAD CORNER

DISPOSAL AREA GRADING PLAN



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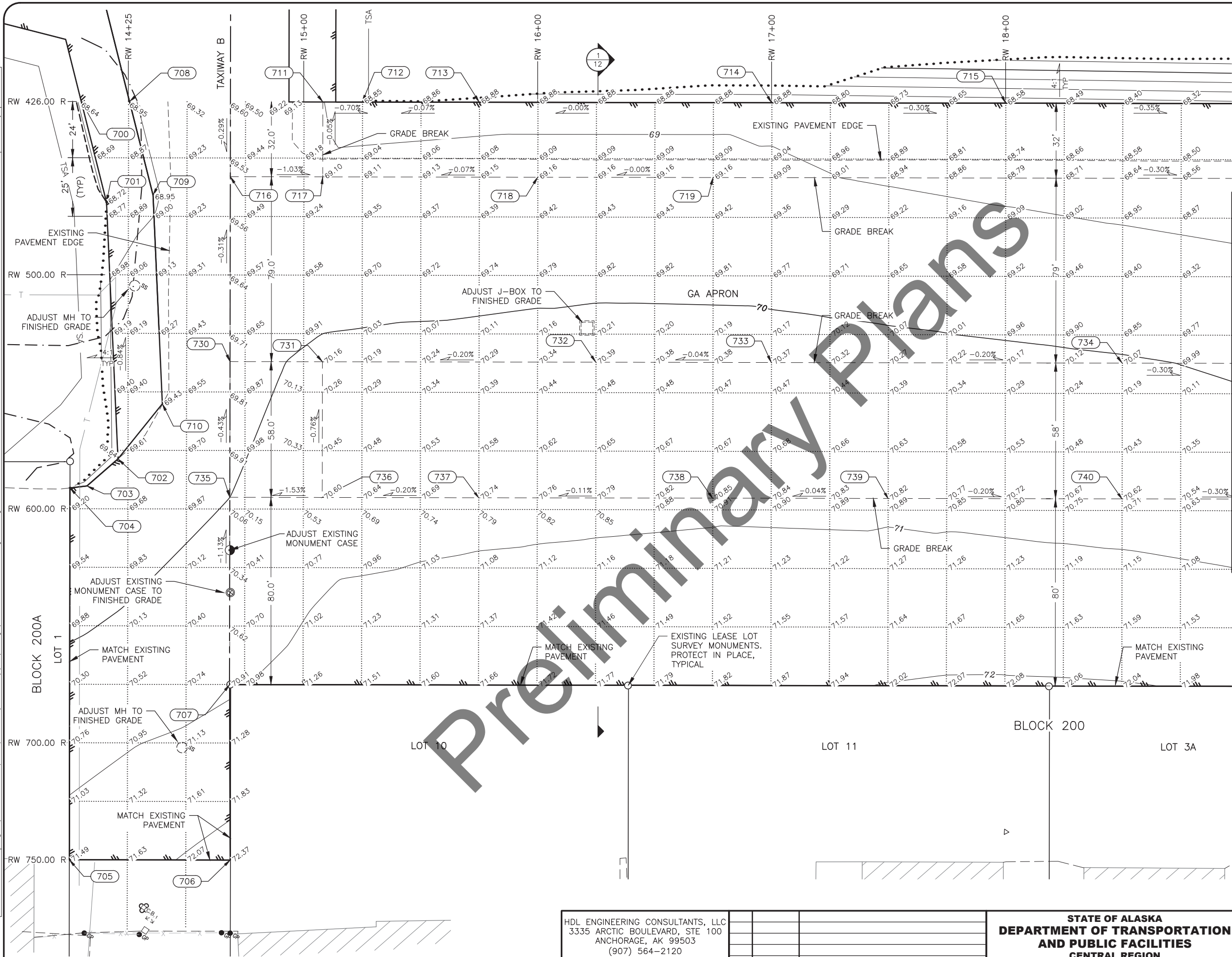
STATE OF ALASKA  
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PHONE (907) 269-0590

HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
DISPOSAL AREA GRADING  
PLAN

DATE:  
2/2022  
SHEET:  
27 OF 57

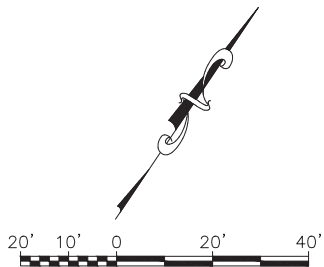


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Designed By: DAD  
Drawn By: CDB  
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MATCH LINE - SEE SHEET 29

APRON LAYOUT TABLE			
POINT	STATION	OFFSET	REMARKS
700	"RW" 14+04.87	426.00 R	EOP
701	"RW" 14+15.73	468.94 R	EOP
702	"RW" 14+20.81	578.68 R	EOP
703	"RW" 14+07.59	590.27 R	EOP
704	"RW" 14+00.33	591.12 R	EOP
705	"RW" 14+00.33	750.00 R	EOP
706	"RW" 14+69.09	750.00 R	EOP
707	"RW" 14+68.77	675.03 R	EOP
708	"RW" 14+25.50	426.00 R	TAXIWAY EDGE
709	"RW" 14+35.61	465.99 R	TAXIWAY EDGE
710	"RW" 14+39.74	555.09 R	TAXIWAY EDGE
711	"RW" 15+08.14	426.00 R	GRADE POINT
712	"RW" 15+25.00	426.00 R	GRADE POINT
713	"RW" 15+75.00	426.00 R	GRADE POINT
714	"RW" 17+00.00	426.00 R	GRADE POINT
715	"RW" 18+00.00	426.00 R	GRADE POINT
716	"RW" 14+68.65	458.00 R	GRADE POINT
717	"RW" 15+08.15	458.00 R	GRADE POINT
718	"RW" 16+00.00	458.00 R	GRADE POINT
719	"RW" 16+75.00	458.00 R	GRADE POINT
730	"RW" 14+68.65	537.00 R	GRADE POINT
731	"RW" 15+08.15	537.00 R	GRADE POINT
732	"RW" 16+25.00	537.00 R	GRADE POINT
733	"RW" 17+00.00	537.00 R	GRADE POINT
734	"RW" 18+50.00	537.00 R	GRADE POINT
735	"RW" 14+68.66	595.00 R	GRADE POINT
736	"RW" 15+08.16	595.00 R	GRADE POINT
737	"RW" 15+75.00	595.00 R	GRADE POINT
738	"RW" 16+75.00	595.00 R	GRADE POINT
739	"RW" 17+50.00	595.00 R	GRADE POINT
740	"RW" 18+50.00	595.00 R	GRADE POINT



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BY	DATE	REVISION

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PHONE (907) 269-0590

HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
GA APRON GRADING & LAYOUT  
PLAN

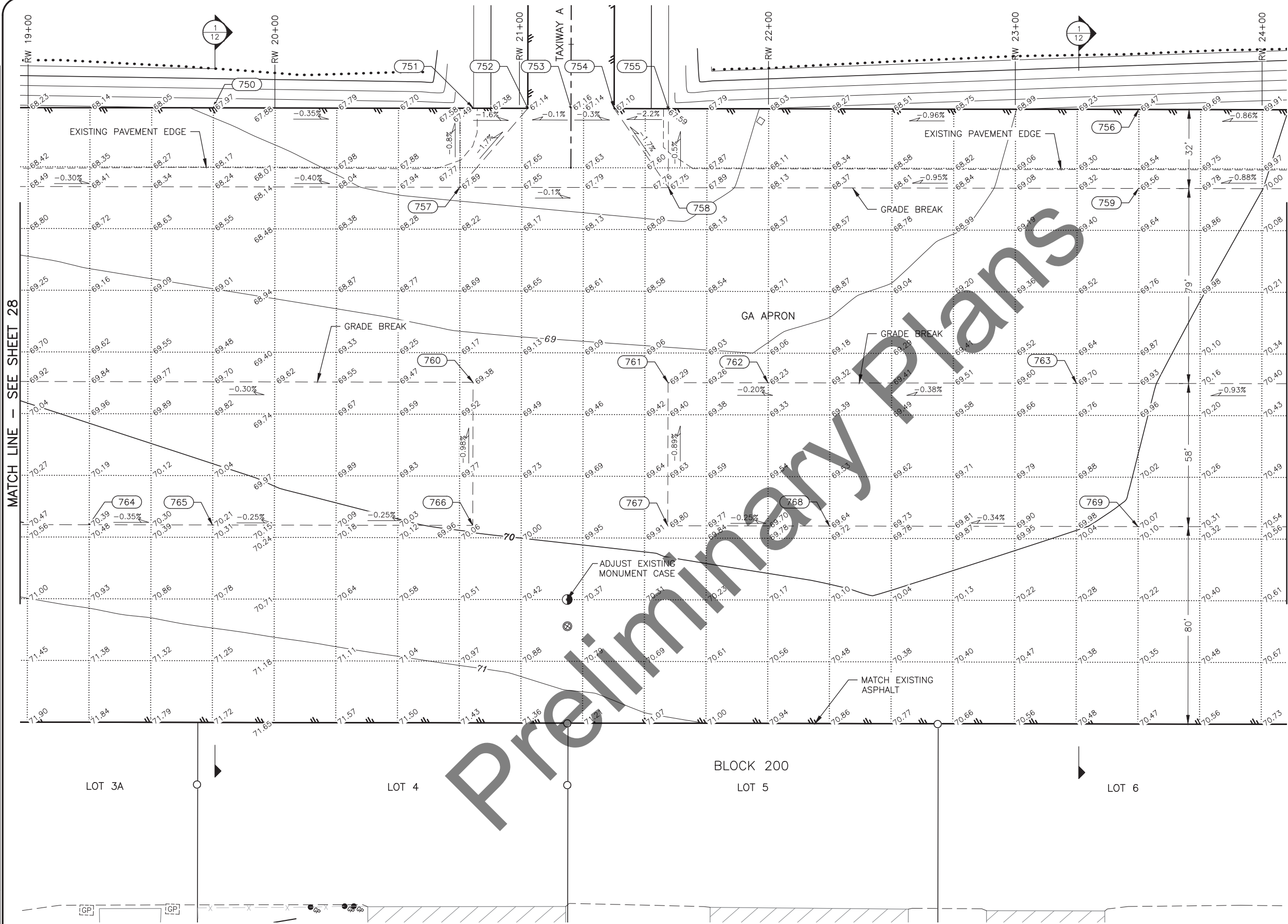
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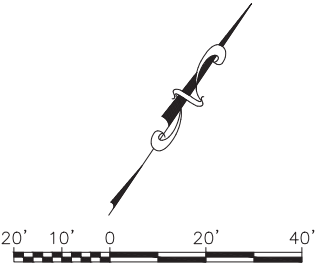
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Date Reviset:  
Layout Name:  
File Path and Name:

Designed By: DAD  
Drawn By: CDB  
Checked By: MPM



APRON LAYOUT TABLE			
POINT	STATION	OFFSET	REMARKS
750	"RW" 19+75.00	426.00 R	GRADE POINT
751	"RW" 20+80.50	426.00 R	GRADE POINT
752	"RW" 21+02.50	426.00 R	CENTERLINE TWA
753	"RW" 21+20.00	426.00 R	EOP
754	"RW" 21+37.50	426.00 R	GRADE POINT
755	"RW" 21+59.50	426.00 R	GRADE POINT
756	"RW" 23+50.00	426.00 R	GRADE POINT
757	"RW" 20+75.00	458.00 R	GRADE POINT
758	"RW" 21+59.50	458.00 R	GRADE POINT
759	"RW" 23+50.00	458.00 R	GRADE POINT
760	"RW" 20+80.50	537.00 R	GRADE POINT
761	"RW" 21+59.50	537.00 R	GRADE POINT
762	"RW" 22+00.00	537.00 R	GRADE POINT
763	"RW" 23+25.00	537.00 R	GRADE POINT
764	"RW" 19+25.00	595.00 R	GRADE POINT
765	"RW" 19+75.00	595.00 R	GRADE POINT
766	"RW" 20+80.50	595.00 R	GRADE POINT
767	"RW" 21+59.50	595.00 R	GRADE POINT
768	"RW" 22+25.00	595.00 R	GRADE POINT
769	"RW" 23+50.00	595.00 R	GRADE POINT



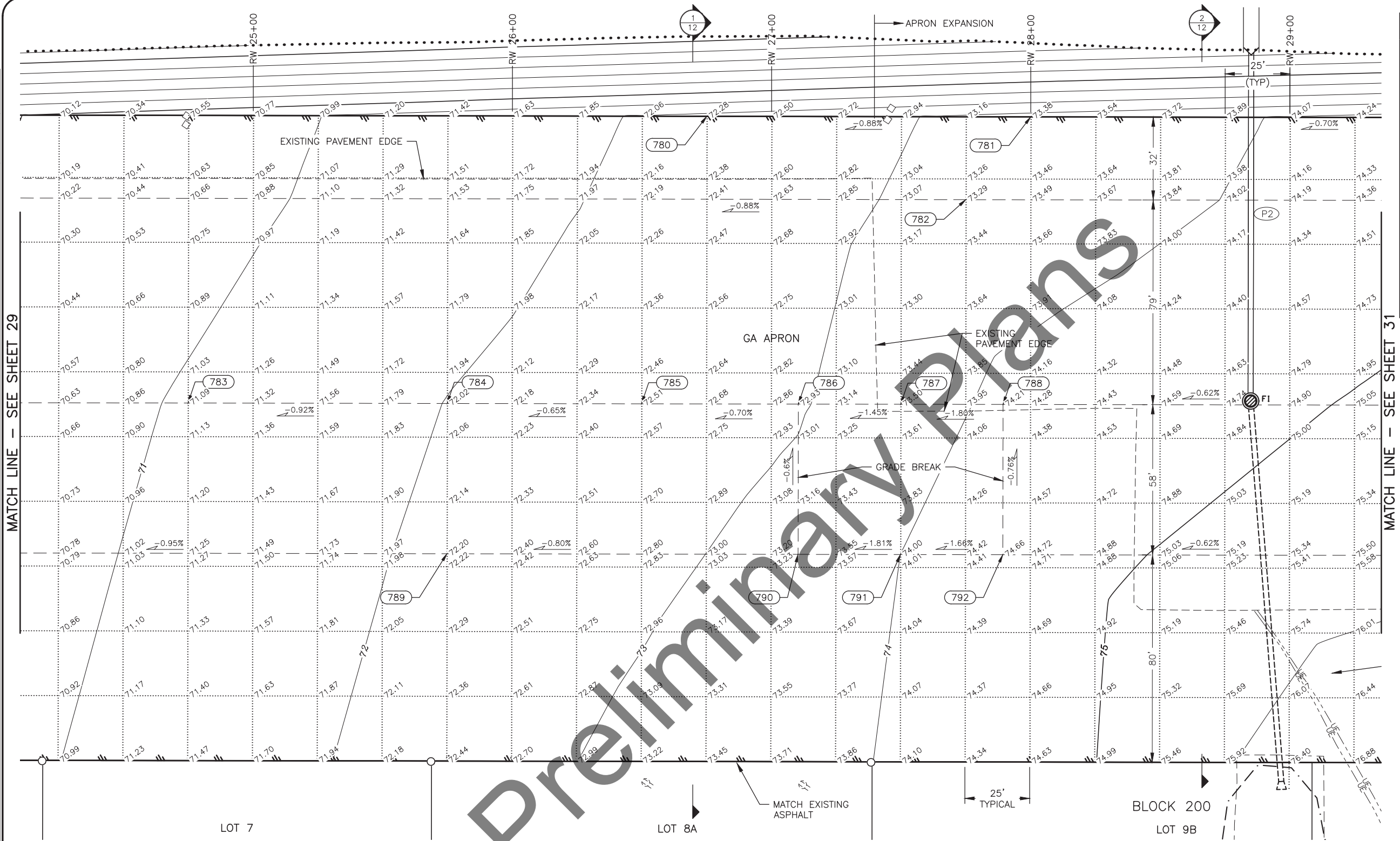
HDL ENGINEERING CONSULTANTS, LLC 3335 ARCTIC BOULEVARD, STE 100 ANCHORAGE, AK 99503 (907) 564-2120 CERTIFICATE OF AUTHORIZATION NO. AECL861			BY	DATE	REVISION

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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HOMER AIRPORT HOMER, ALASKA HOMER AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 GA APRON GRADING & LAYOUT PLAN	DATE: 2/2022 SHEET: 29 of 57
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Designed By: DAD  
Drawn By: CDB  
Checked By: MPM

Date Revised:  
Layout Name:  
File Path and Name:



APRON LAYOUT TABLE			
POINT	STATION	OFFSET	REMARKS
780	"RW" 26+75.00	426.00 R	GRADE POINT
781	"RW" 28+00.00	426.00 R	GRADE POINT
782	"RW" 27+75.00	458.00 R	GRADE POINT
783	"RW" 24+75.00	537.00 R	GRADE POINT
784	"RW" 25+75.00	537.00 R	GRADE POINT
785	"RW" 26+50.00	537.00 R	GRADE POINT
786	"RW" 27+10.50	537.00 R	GRADE POINT
787	"RW" 27+50.00	537.00 R	GRADE POINT
788	"RW" 27+89.50	537.00 R	GRADE POINT
789	"RW" 25+75.00	595.00 R	GRADE POINT
790	"RW" 27+10.50	595.00 R	GRADE POINT
791	"RW" 27+50.00	595.00 R	GRADE POINT
792	"RW" 27+89.50	595.00 R	GRADE POINT

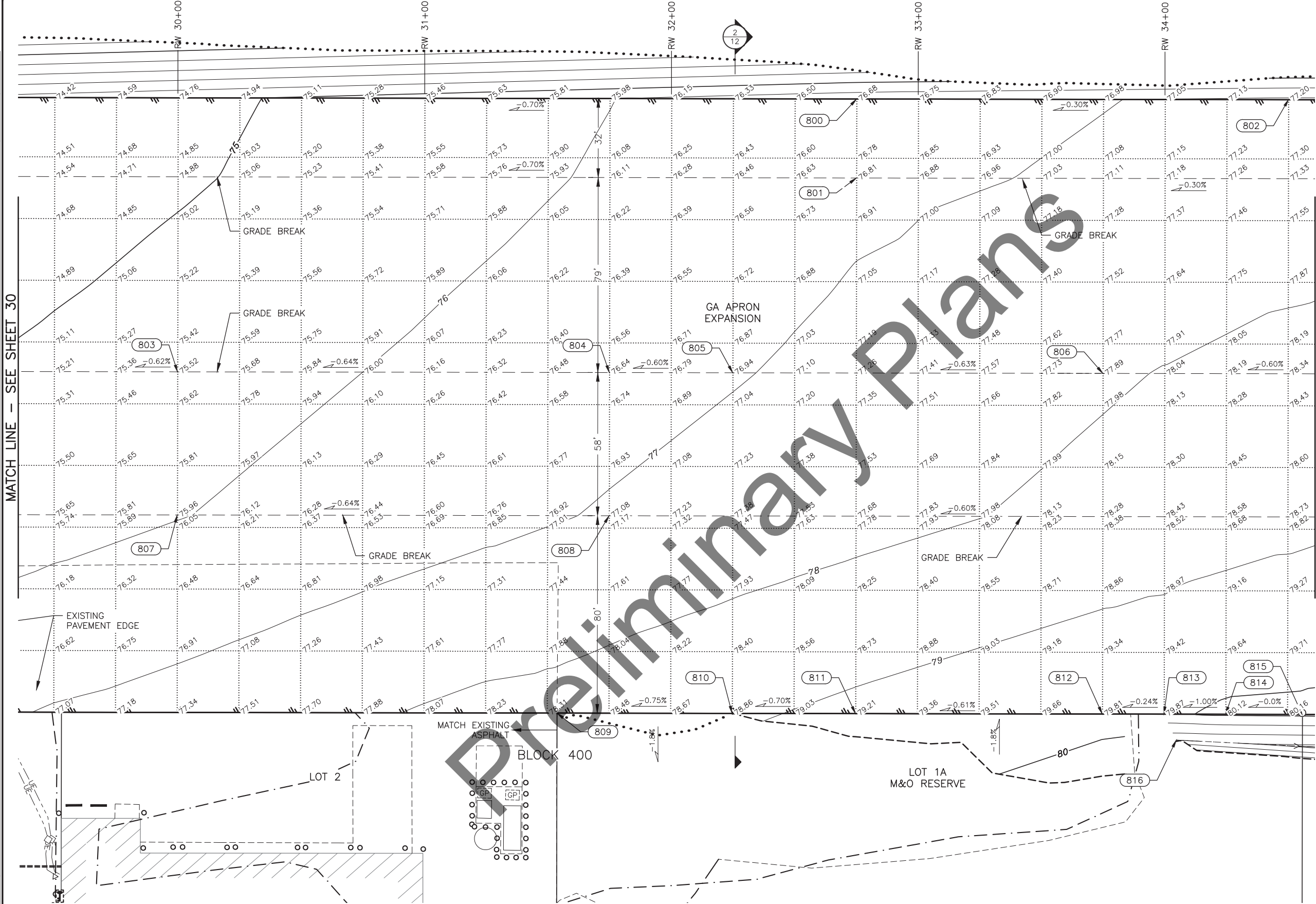
HDL ENGINEERING CONSULTANTS, LLC 3335 ARCTIC BOULEVARD, STE 100 ANCHORAGE, AK 99503 (907) 564-2120 CERTIFICATE OF AUTHORIZATION NO. AECL861			BY	DATE	REVISION

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

<b>HOMER AIRPORT</b> <b>HOMER, ALASKA</b> HOMER AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 GA APRON GRADING & LAYOUT PLAN	DATE: 2/2022
	SHEET: 30 OF 57

2/18/2022 2:51 PM  
GA APRON SITE PLAN IV  
H:\jobs\20-022 Homer Airport Improvements (DOT&PF CR)\CAD Drawings\00491-HOM-38-XI-Grading Plans.dwg  
Designed By: DAD  
Drawn By: CDB  
Checked By: MPM

Date Revised:  
Layout Name:  
File Path and Name:



APRON LAYOUT TABLE			
POINT	STATION	OFFSET	REMARKS
800	"RW" 32+75.00	426.00 R	GRADE POINT
801	"RW" 32+75.00	458.00 R	GRADE POINT
802	"RW" 34+50.00	426.00 R	GRADE POINT
803	"RW" 30+00.00	537.00 R	GRADE POINT
804	"RW" 31+75.00	537.00 R	GRADE POINT
805	"RW" 32+25.00	537.00 R	GRADE POINT
806	"RW" 33+75.00	537.00 R	GRADE POINT
807	"RW" 30+00.00	595.00 R	GRADE POINT
808	"RW" 31+75.00	595.00 R	GRADE POINT
809	"RW" 31+54.08	675.00 R	GRADE POINT
810	"RW" 32+25.00	675.00 R	GRADE POINT
811	"RW" 32+75.00	675.00 R	GRADE POINT
812	"RW" 33+75.00	675.00 R	GRADE POINT
813	"RW" 34+00.00	675.00 R	GRADE POINT
814	"RW" 34+25.00	675.00 R	GRADE POINT
815	"RW" 34+56.00	675.00 R	GRADE POINT
816	"RW" 34+05.00	685.50 R	BEGIN DITCH

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ANCHORAGE, AK 99503  
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NO. AECL861

BY	DATE	REVISION

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AND PUBLIC FACILITIES  
CENTRAL REGION  
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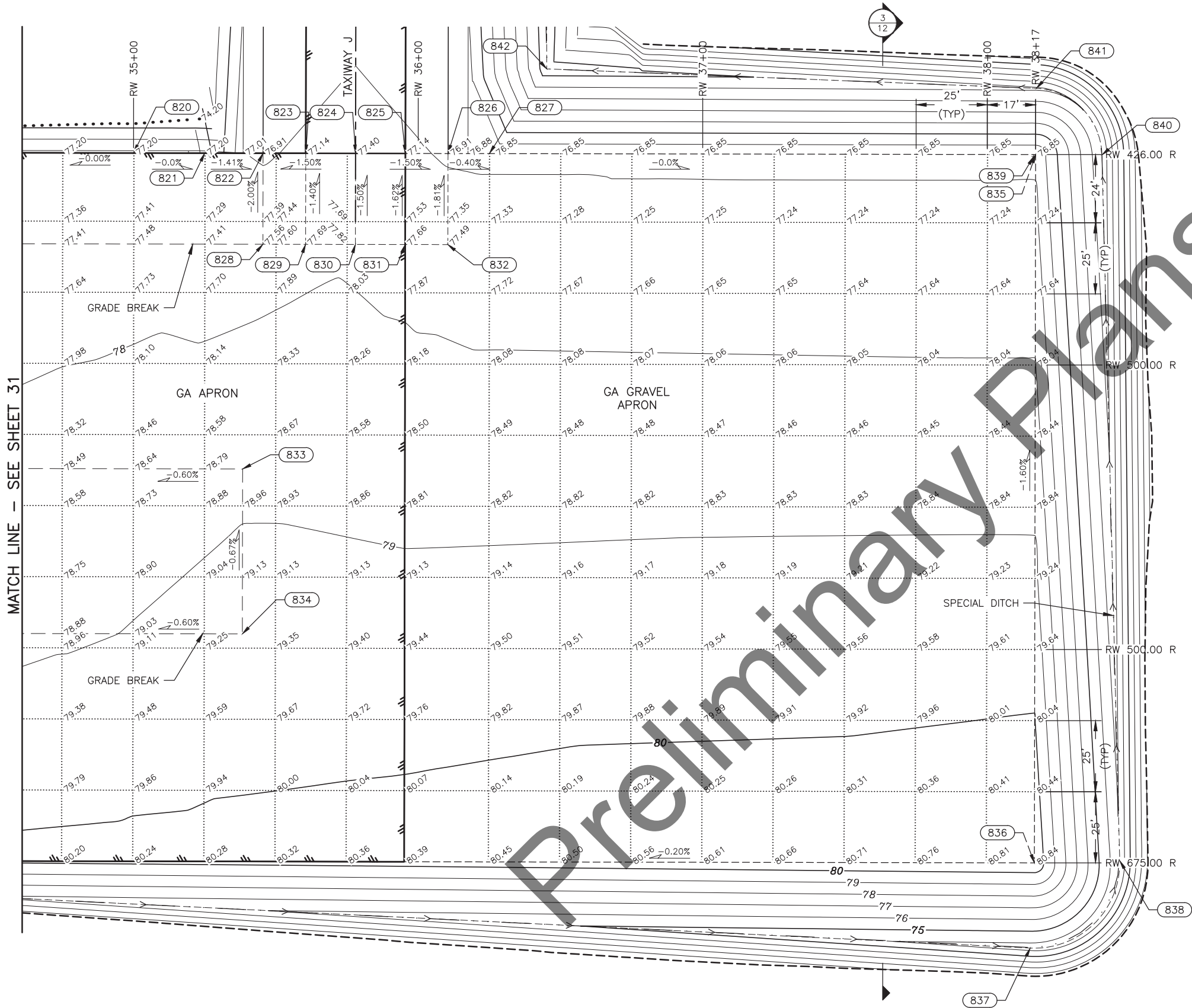
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HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
GA APRON GRADING & LAYOUT  
PLAN

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2/2022  
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GA APRON GRADING SITE PLAN V  
H:\jobs\20-022 Homer Airport Improvements (DOT&PF CR)\CAD Drawings\00491-HOM-38-XI-Grading Plans.dwg  
Designed By: DAD  
Drawn By: CDB  
Checked By: MPM

Date Revised:  
Layout Name:  
File Path and Name:



APRON LAYOUT TABLE			
POINT	STATION	OFFSET	REMARKS
820	"RW" 35+00.00	426.00 R	BREAK POINT
821	"RW" 35+25.00	426.00 R	BREAK POINT
822	"RW" 35+45.50	426.00 R	BREAK POINT, TWJ SHOULDER
823	"RW" 35+60.50	426.00 R	BREAK POINT, TWJ EOP
824	"RW" 35+78.00	426.00 R	BREAK POINT, TWJ CENTER
825	"RW" 35+95.50	426.00 R	BREAK POINT, TWJ EOP
826	"RW" 36+10.50	426.00 R	BREAK POINT, TWJ SHOULDER
827	"RW" 36+25.00	426.00 R	BREAK POINT
828	"RW" 35+45.50	458.00 R	BREAK POINT
829	"RW" 35+60.50	458.00 R	BREAK POINT
830	"RW" 35+78.00	458.00 R	BREAK POINT1
831	"RW" 35+95.50	458.00 R	BREAK POINT
832	"RW" 36+10.50	458.00 R	BREAK POINT
833	"RW" 35+38.50	537.00 R	BREAK POINT
834	"RW" 35+38.50	595.00 R	BREAK POINT
835	"RW" 38+17.00	426.00 R	APRON CORNER
836	"RW" 38+17.00	675.00 R	APRON CORNER, DITCH RP, R=30'
837	"RW" 38+15.58	704.97 R	DITCH PC
838	"RW" 38+46.99	674.19 R	DITCH PT
839	"RW" 38+16.32	426.70 R	DITCH RP, R=24'
840	"RW" 38+40.32	426.08 R	DITCH PC
841	"RW" 38+17.24	402.72 R	DITCH PT
842	"RW" 36+45.14	396.18 R	DITCH ANGLE POINT

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HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
GA APRON GRADING & LAYOUT PLAN

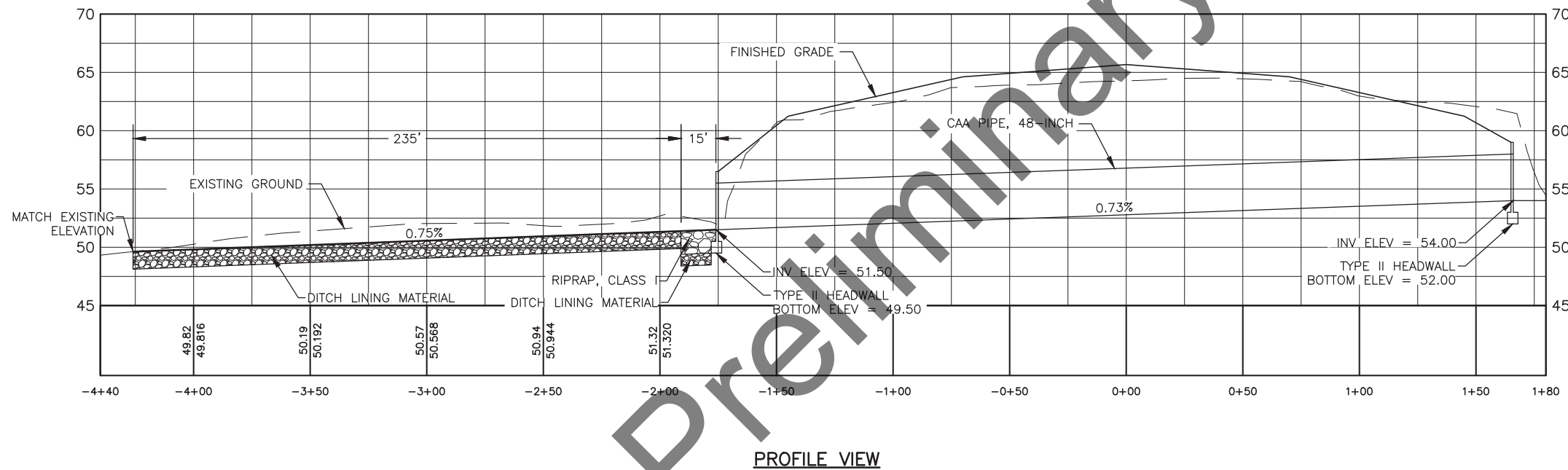
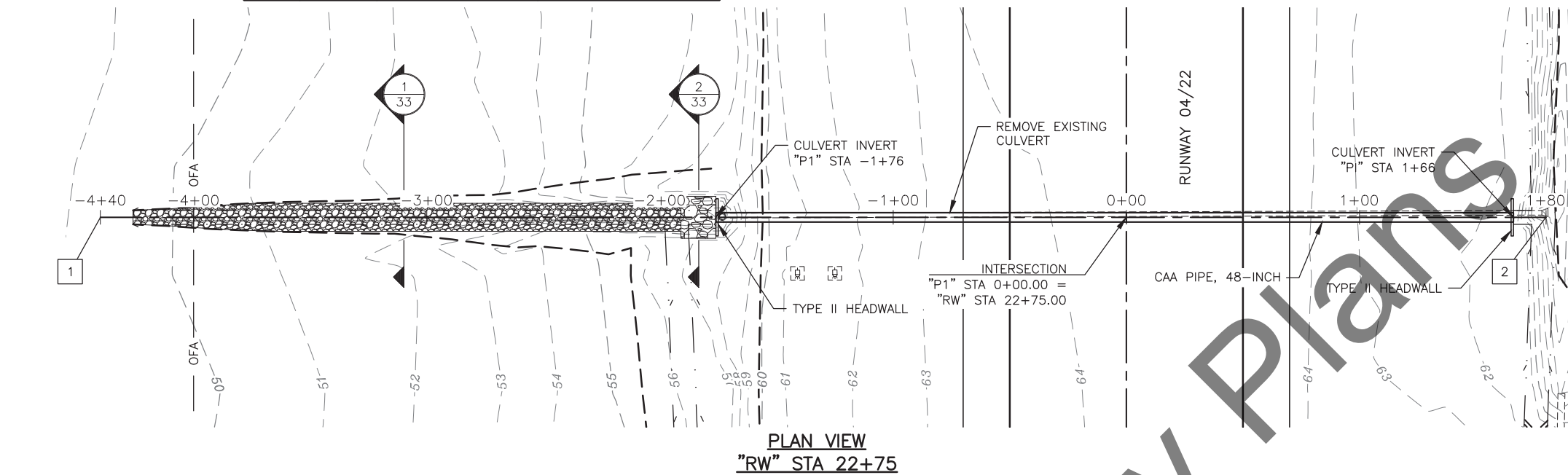
DATE:  
2/2022

SHEET:  
32 OF 57



Date Revised:	2/18/2022, 2:54 PM	Designed By:	DAD
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File Path and Name:	H:\ch20-2022 Homer Airport Improvements\00491-HOM-46-51-Drainage Plans And Details.dwg	Checked By:	WPM

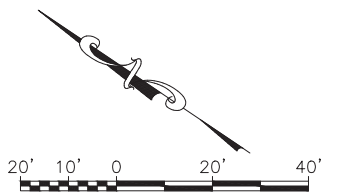
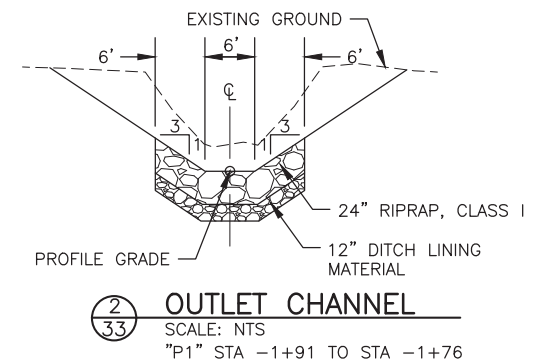
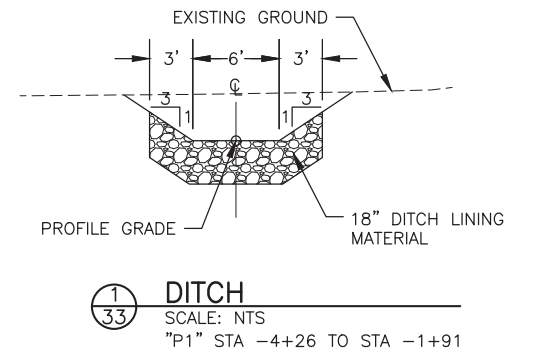
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**NOTE:**

1. WARP RUNWAY FORESLOPES TO MATCH TOP OF HEADWALL ELEVATION.

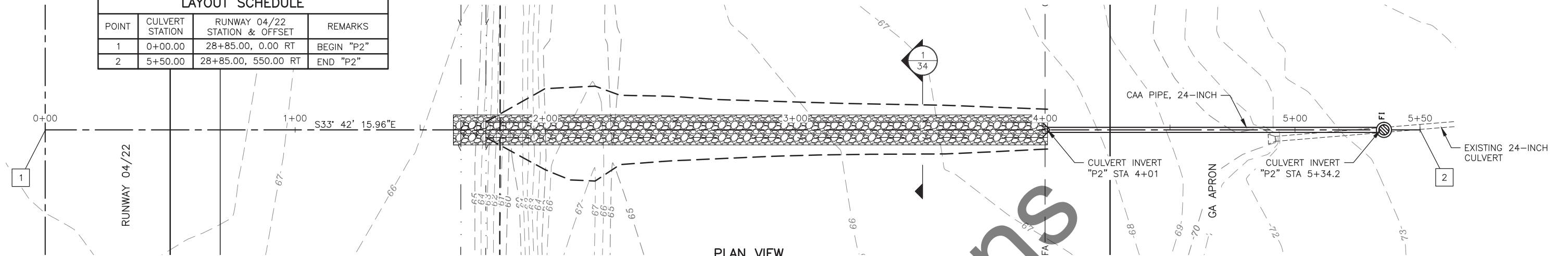
HYDRAULIC AND HYDROLOGIC SUMMARY – P1		
DRAINAGE AREA	0.39 SQUARE MILES	
EXCEEDANCE PROBABILITY	2% (DESIGN)	1%
RETURN PERIOD	50 YEAR ( $Q_{50}$ )	100 YEAR ( $Q_{100}$ )
DESIGN DISCHARGE	32 CFS	45 CFS
DESIGN HIGH WATER ELEVATION	56.7 FEET	57.4 FEET
ANTICIPATED ADDITIONAL BACKWATER AT $Q_{100}$ = 0.0 FEET		



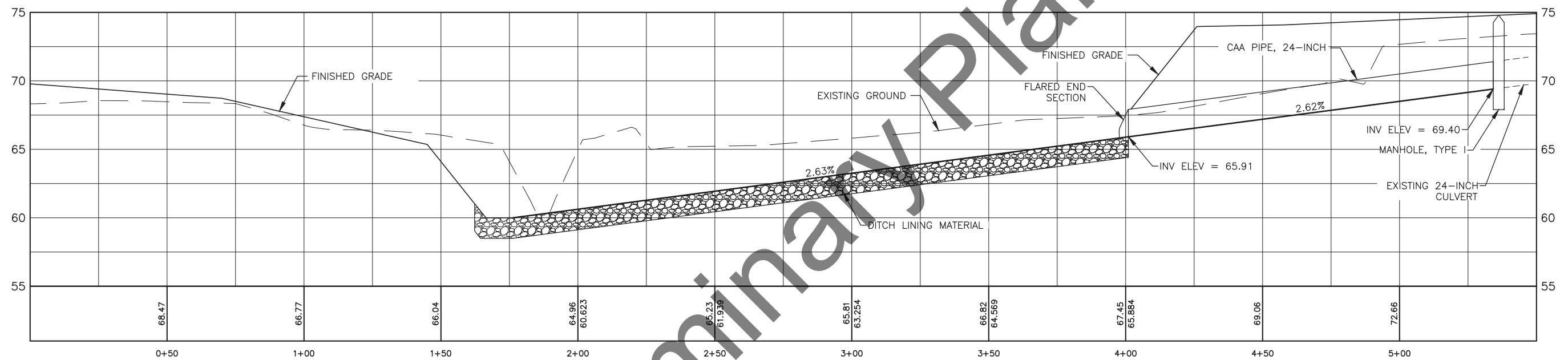
HDL ENGINEERING CONSULTANTS, LLC 3335 ARCTIC BOULEVARD, STE 100 ANCHORAGE, AK 99503 (907) 564-2120 CERTIFICATE OF AUTHORIZATION NO. AECL861				STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION 4111 AVIATION AVE., ANCHORAGE ALASKA 99502 PHONE (907) 269-0590	HOMER AIRPORT HOMER, ALASKA HOMER AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 P1 DRAINAGE PLAN & PROFILE	DATE:	2/2022
						SHEET:	33 of 57
	BY	DATE	REVISION				

2/18/2022, 2:54 PM  
Designed By: DAD  
Drawn By: CDB  
Checked By: MPM  
Date Revised: P2  
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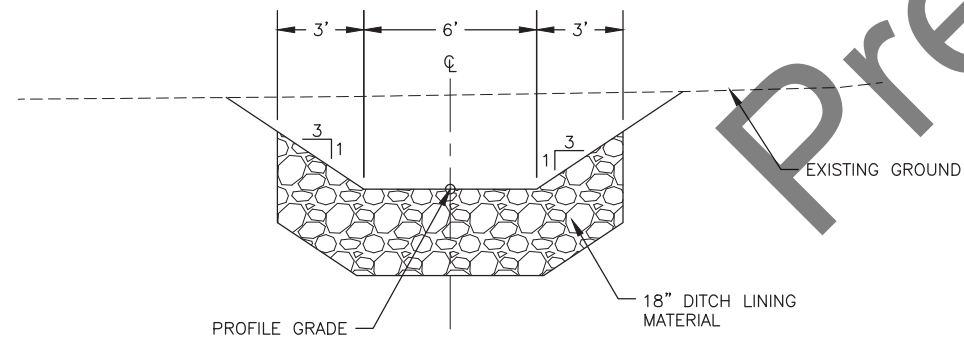
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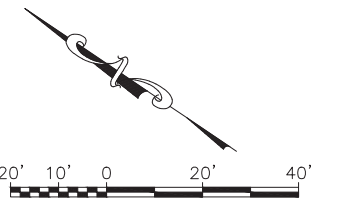
PLAN VIEW  
"RW" STA 28+85



PROFILE VIEW



1  
34 DITCH  
SCALE: NTS  
"P2" STA 1+76.3 TO STA 4+01



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BY	DATE	REVISION

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PHONE (907) 269-0590

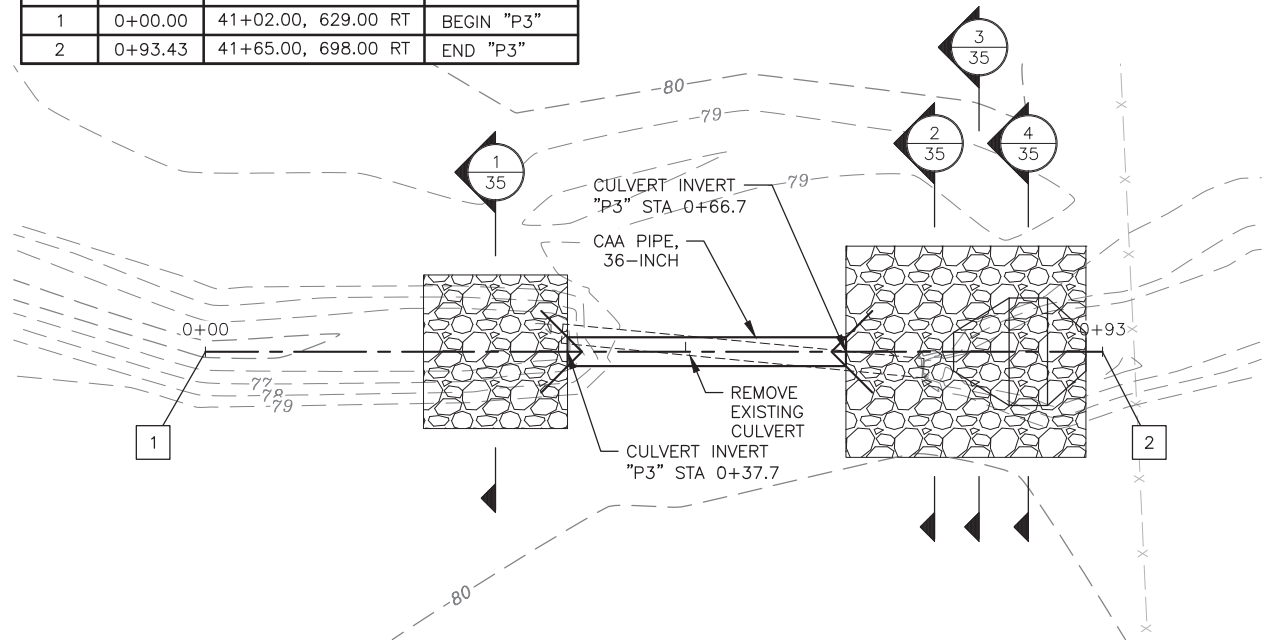
HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
P2 DRAINAGE PLAN &  
PROFILE

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2/2022  
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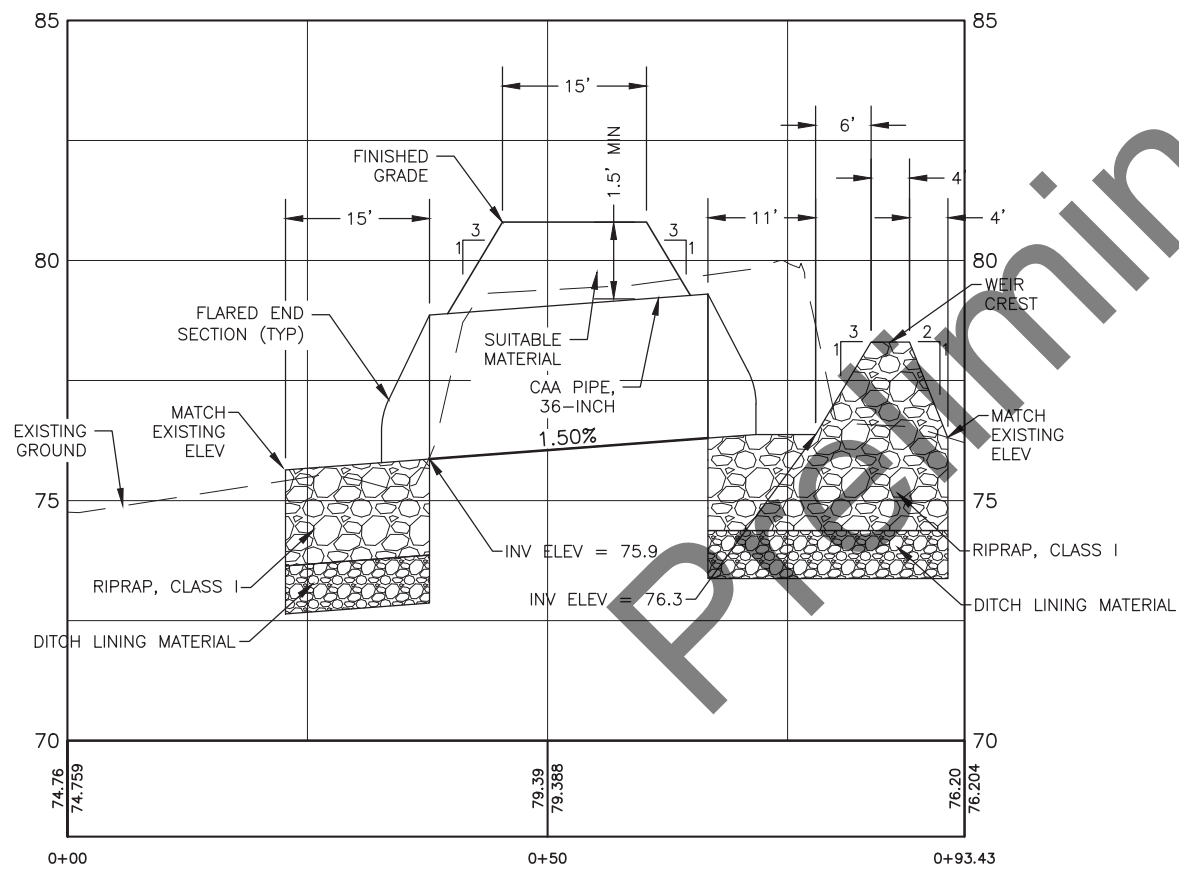
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File Path and Name: HDL Engineering Consultants, LLC  
3335 ARCTIC BOULEVARD, STE 100  
ANCHORAGE, AK 99503  
(907) 564-2120  
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NO. AECL861

Designed By: DAD  
Drawn By: CDB  
Checked By: MPM

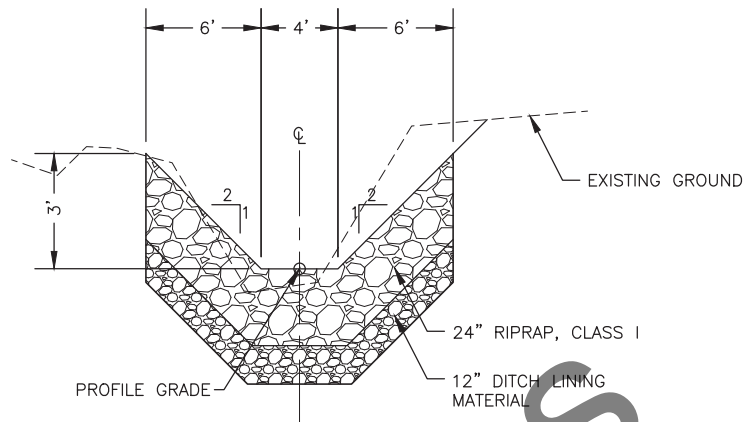
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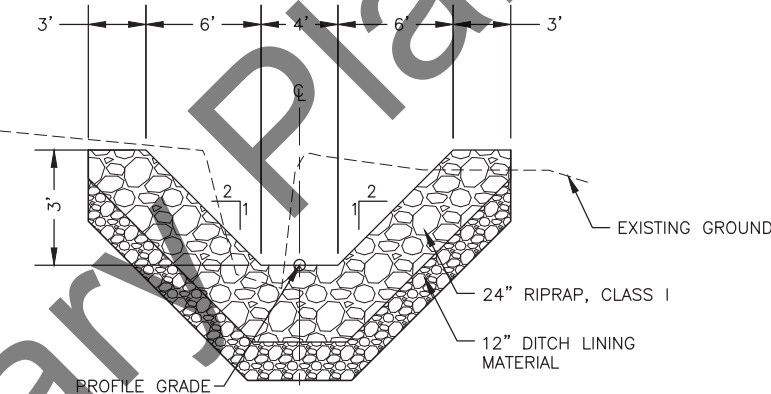
PLAN VIEW  
"RW" STA 41+02



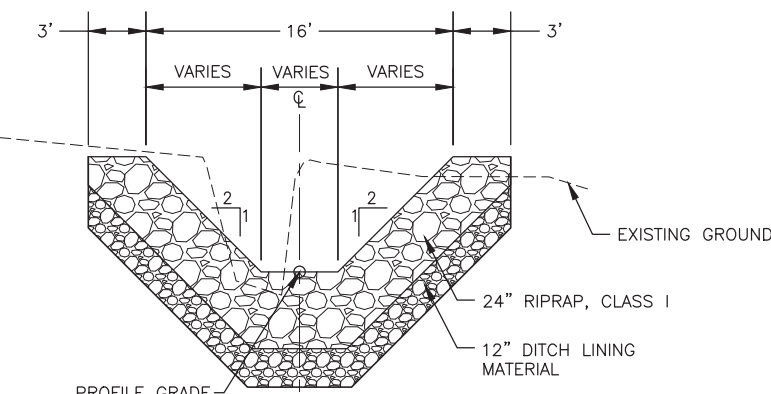
PROFILE VIEW



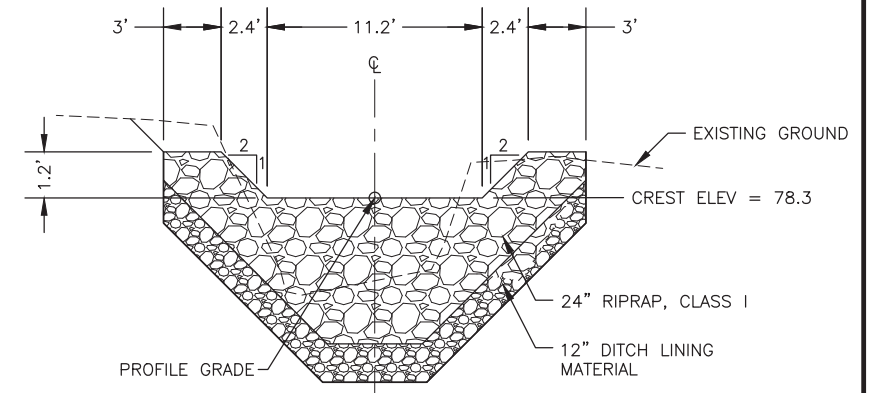
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INLET CHANNEL  
SCALE: NTS  
"P3" STA 0+66.7 TO STA 0+77.7



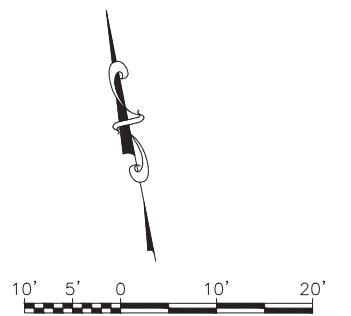
INLET CHANNEL  
SCALE: NTS  
"P3" STA 0+77.7 TO STA 0+83.7  
"P3" STA 0+87.7 TO STA 0+91.7



WEIR  
SCALE: NTS  
"P3" STA 0+83.7 TO STA 0+87.7

NOTES:

- AFTER RIPRAP HAS BEEN PLACED, FILL VOIDS IN RIPRAP WITH BLEND OF CLEAN SAND, GRAVEL, AND COBBLES. MATERIAL IS SUBSIDIARY TO RIPRAP. ENSURE RIPRAP IS WATERTIGHT PRIOR TO DIVERTING FLOW INTO THE RECONSTRUCTED CHANNEL.
- ISOLATE WORK AREA WITH SUPER SACKS OR SIMILAR. DIVERT FLOW AROUND WORK AREA USING PORTABLE PUMPS. PROVIDE SEDIMENT REMOVAL FOR ALL DEWATERING ACTIVITY PRIOR TO DISCHARGE FROM THE PROJECT INTO ANY WATER OF THE U.S. DEWATERING IS SUBSIDIARY TO THE PROJECT.



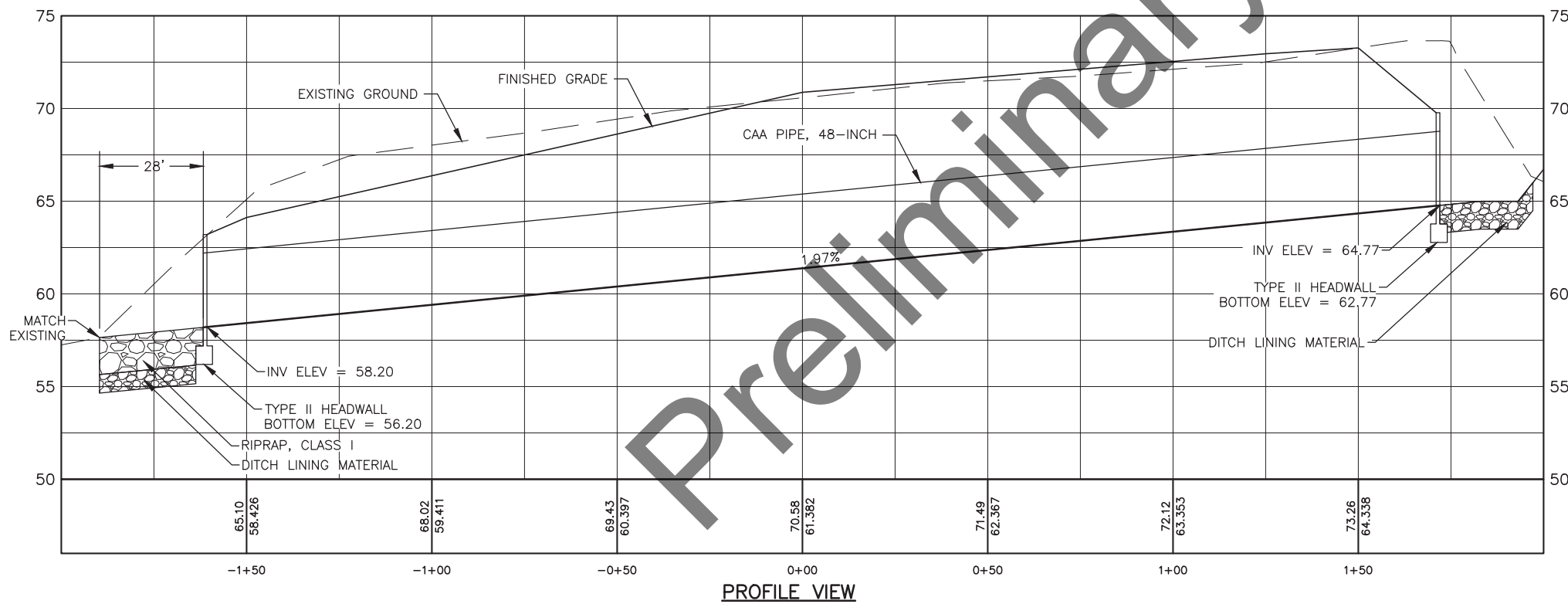
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3335 ARCTIC BOULEVARD, STE 100  
ANCHORAGE, AK 99503  
(907) 564-2120  
CERTIFICATE OF AUTHORIZATION  
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HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
P3 DRAINAGE PLAN &  
PROFILE

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DATE: 2/2022

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Date Revised: 2/18/2022, 2:56 PM

Date: 2/18/2022, 2:56 PM

Layout Name: P10

Layout Name: P10

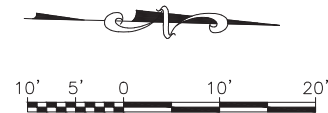
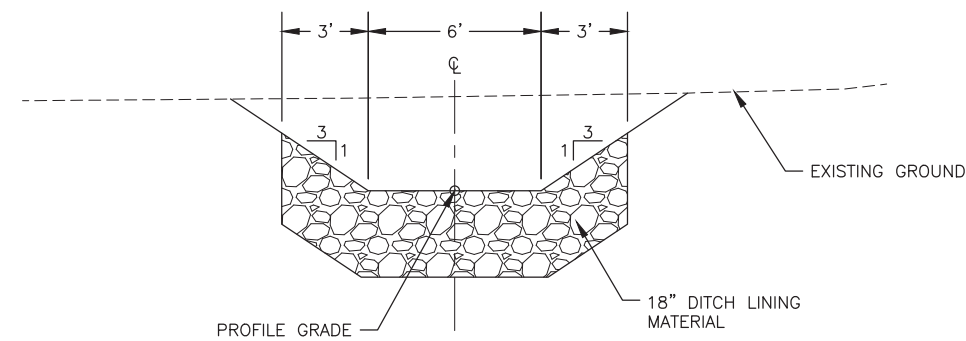
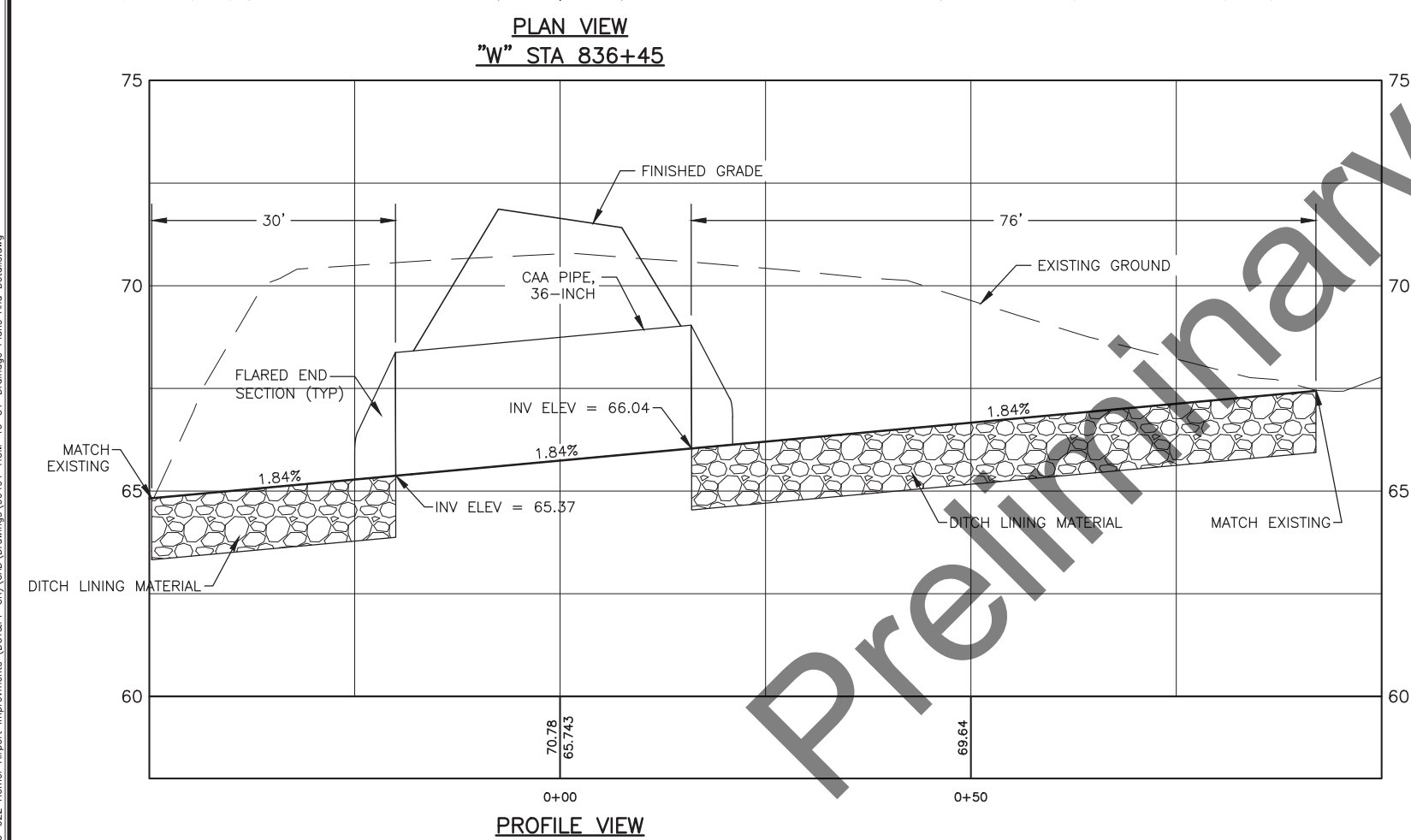
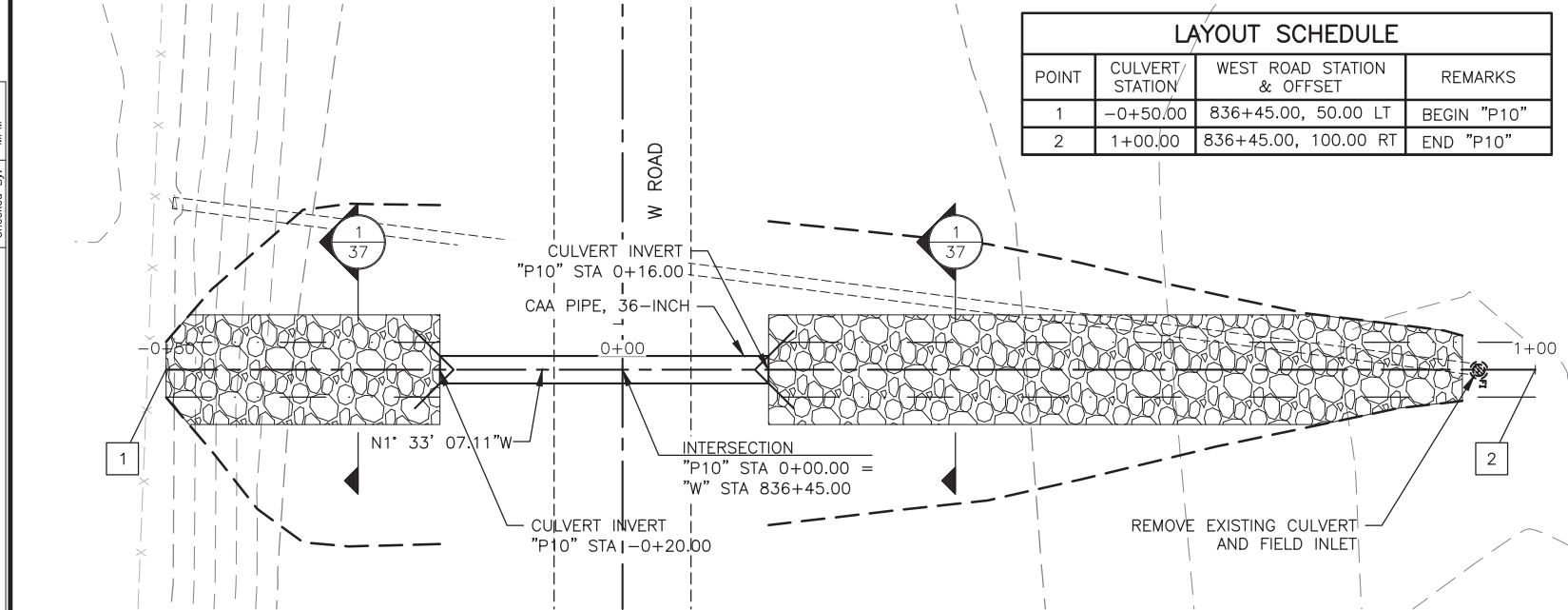
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Designed By: DAD

Drawn By: CDB

Checked By: MPM



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HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
P10 DRAINAGE PLAN &  
PROFILE

DATE:  
2/2022

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37 OF 57

Date Revised: 2/18/2022, 2:56 PM

Layout Name: DITCH

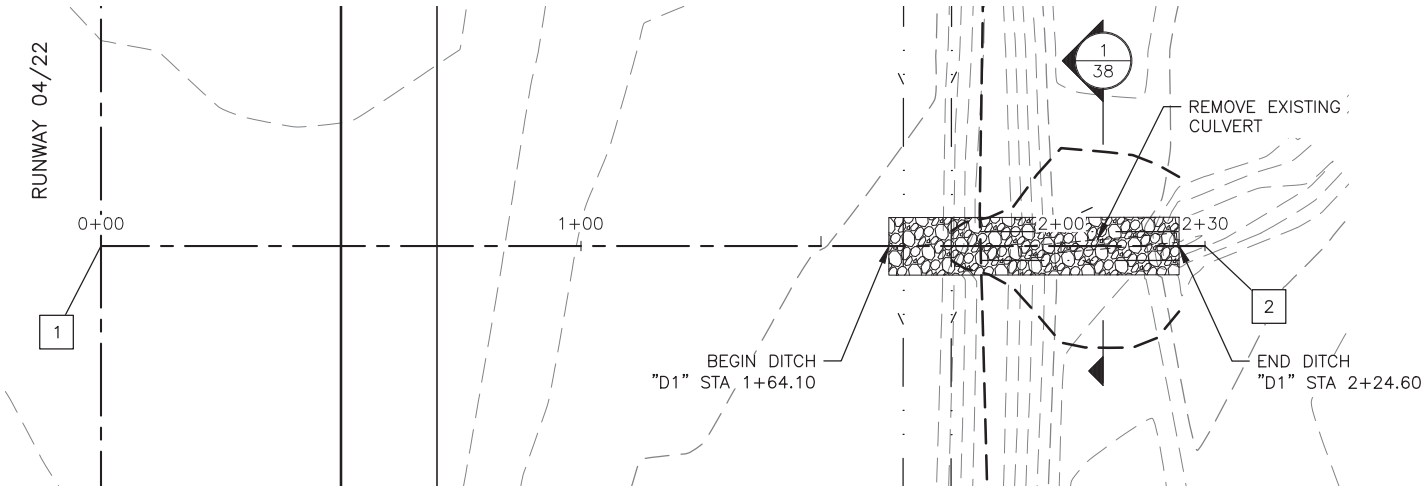
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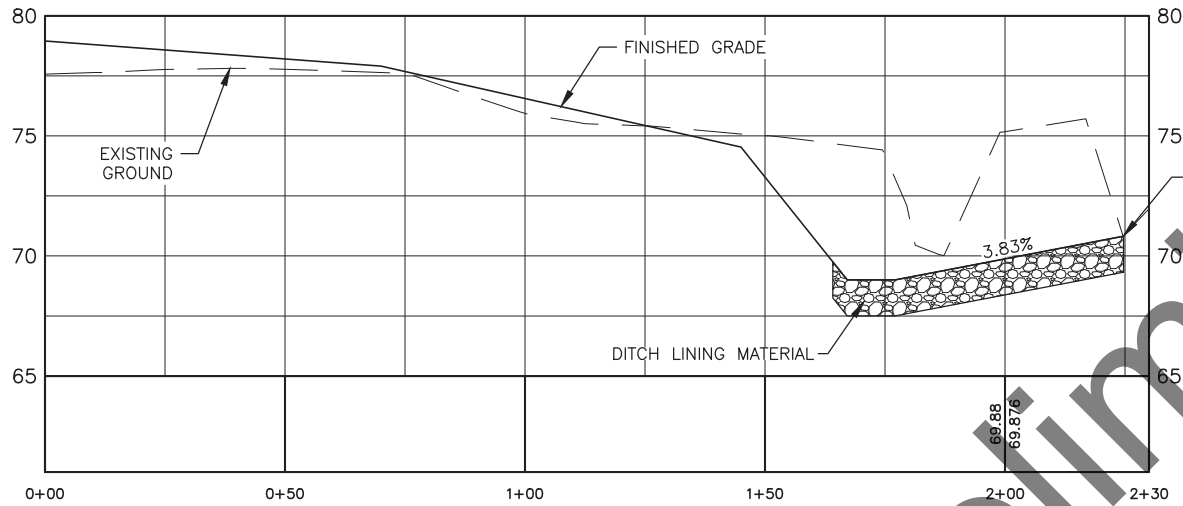
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Checked By: MPW

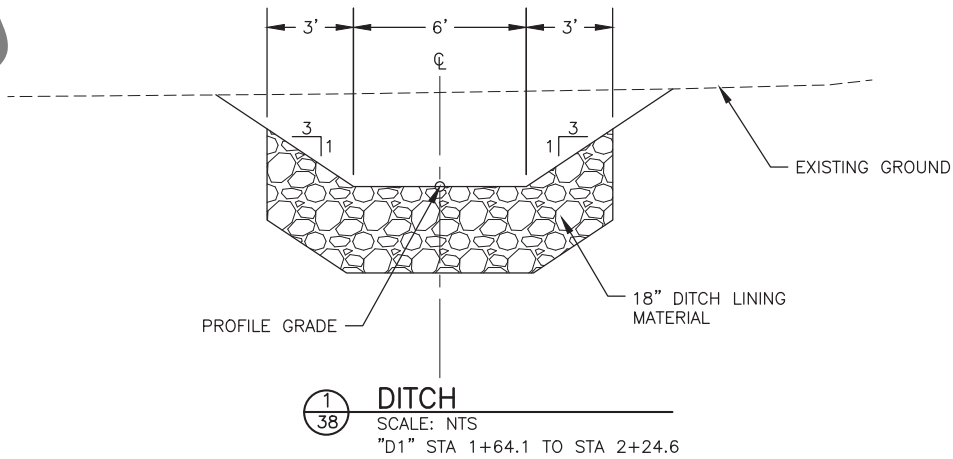
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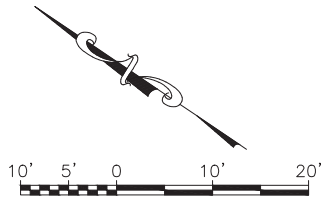
PLAN VIEW  
"RW" STA 37+93



PROFILE VIEW



DITCH  
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"D1" STA 1+64.1 TO STA 2+24.6



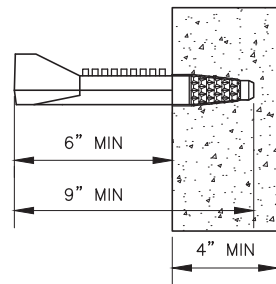
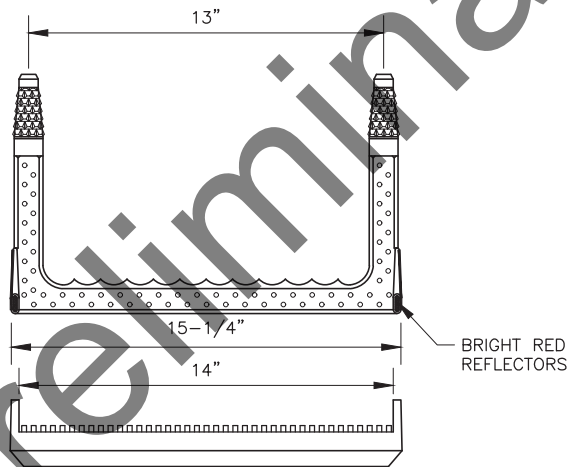
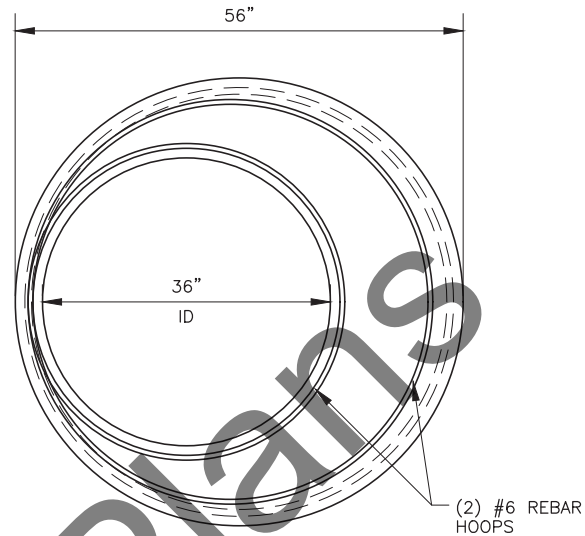
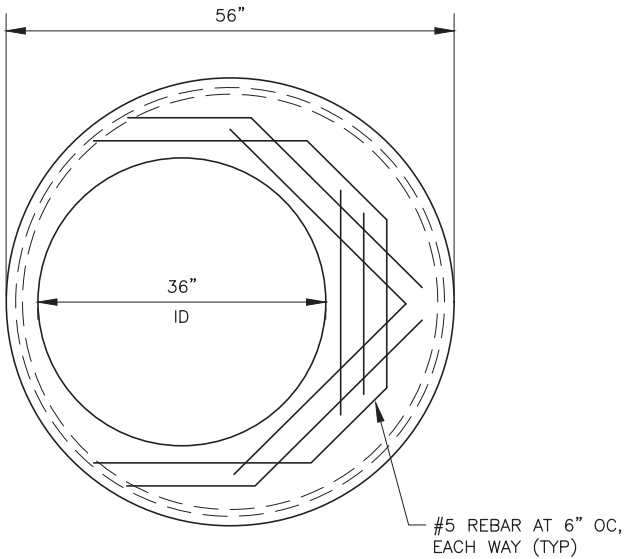
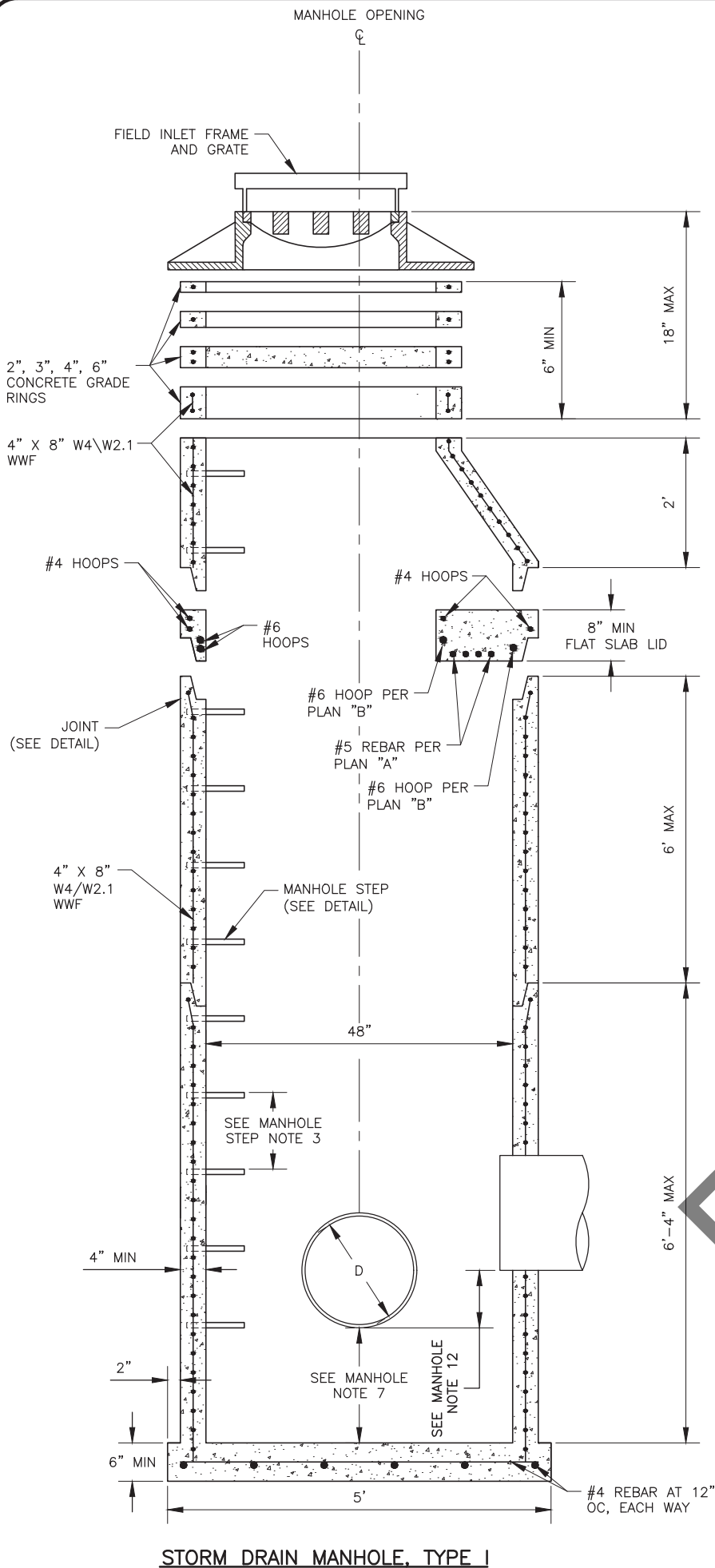
HDL ENGINEERING CONSULTANTS, LLC  
3335 ARCTIC BOULEVARD, STE 100  
ANCHORAGE, AK 99503  
(907) 564-2120  
CERTIFICATE OF AUTHORIZATION  
NO. AECL861

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HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
DITCH DRAINAGE PLAN &  
PROFILE

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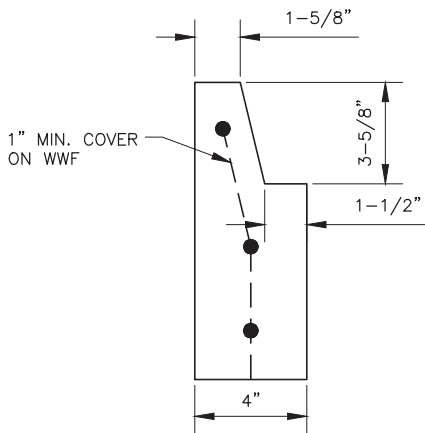
**MANHOLE STEP**

**NOTES:**

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

**NOTES:**

- THESE DRAWINGS ARE FOR PRECAST REINFORCED CONCRETE.
- MAX KNOCKOUT SIZE FOR PIPES IS 32-IN. MIN DISTANCE BETWEEN KNOCKOUTS IS 4-IN.
- USE CONCRETE WITH A MIN 4000 PSI 28 DAY COMPRESSIVE STRENGTH AND 6% ± 1.5% AIR ENTRAINMENT. MAX WATER/CEMENT RATIO IS 0.45.
- MIN 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.
- MIN COVER ON REINFORCING STEEL IS 1-IN.
- FORM ALL BLOCKOUTS.
- ALL STORM DRAIN MANHOLES AND INLETS SHALL HAVE 18-IN MIN SUMPS. MANHOLES WITH PETROLEUM SEPARATORS SHALL HAVE 24-IN MIN SUMPS.
- A FLAT LID WITH A SMALLER OPENING MAY ALSO BE USED IF CALLED FOR. THIS REQUIRES ADDITIONAL #5 REBAR REINFORCEMENT AT THE SAME SPACING AS SHOWN IN PLAN "A". ALSO, ADJUST HOOP DIAMETERS AROUND THE OPENING TO PROVIDE THE SAME COVER.
- PLACE MANHOLE BASE ON 6-IN MIN SELECT MATERIAL, TYPE A.
- EXTEND PIPE A MIN OF 2-IN INTO MANHOLE.
- MIN DROP BETWEEN PIPES IS 1.2-IN.
- PIPE LENGTH, INVERT, AND SLOPE ARE MEASURED FROM CENTER OF MANHOLE.



**JOINT**

- NOMINAL DIMENSIONS
- MANUFACTURE JOINING UNITS TO FIT.

HDL ENGINEERING CONSULTANTS, LLC  
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ANCHORAGE, AK 99503  
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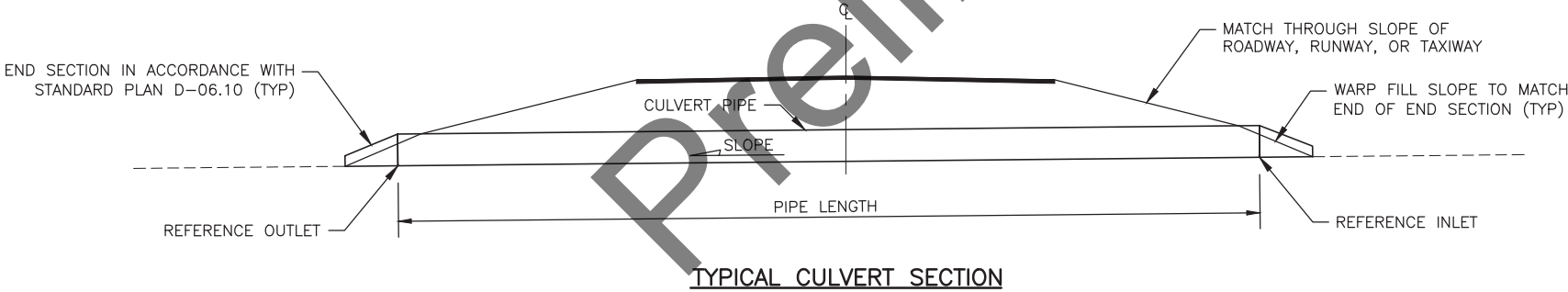
**STATE OF ALASKA**  
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PHONE (907) 269-0590

**HOMER AIRPORT**  
**HOMER, ALASKA**  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
STORM DRAIN MANHOLE, TYPE  
I DETAILS

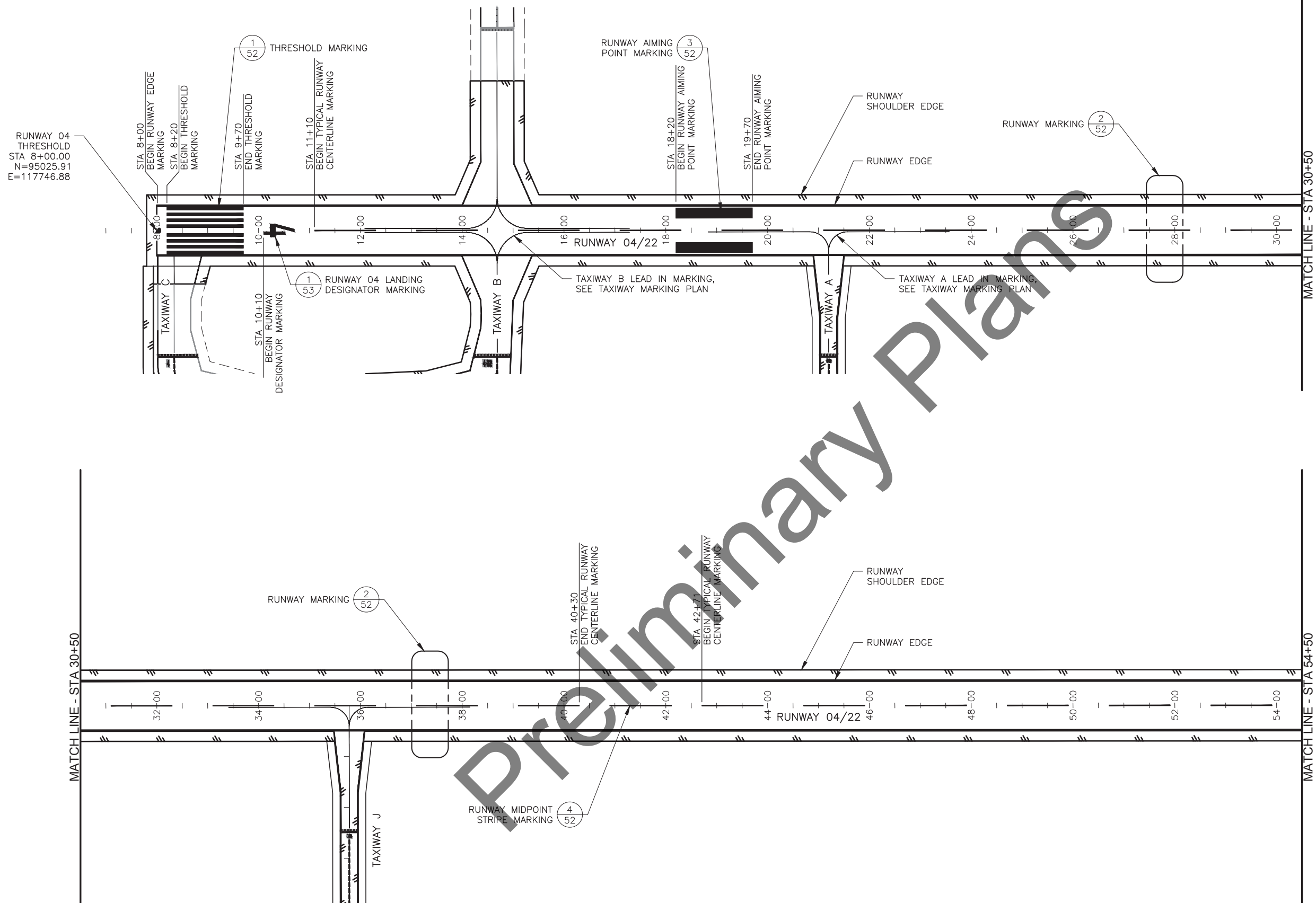
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PIPE SUMMARY TABLE								
ID	TYPE	LENGTH	START	ELEV.	END	ELEV.	DIA. (IN)	END SEC
P1	CAA	342.1	RW STA 22+75 166R	54.00	RW STA 22+75 176L	51.50	48	0
P2	CAA	134.6	MH1	69.40	RW STA 28+85 401R	65.91	24	1
P3	CAA	29.1	RW STA 41+47 678R	76.30	RW STA 41+27 657R	75.87	36	2
P4	CAA	333.8	RW STA 76+75 172R	64.77	RW STA 76+75 162L	58.20	48	0
P5	CAA	157.9	TWB STA 198+37 77L	61.25	TWB STA 198+35 81R	59.95	36	2
P6	CAA	137.2	TWB STA 201+71 66L	60.22	TWB STA 201+73 71R	58.85	36	2
P7	CAA	121.8	TWA STA 222+78 59L	55.76	TWA STA 222+74 63R	54.76	42	2
P8	CAA	200.0	TWG STA 606+00 81R	63.61	TWG STA 606+00 118L	46.99	36	2
P9	CAA	119.6	TWJ STA 622+78 57R	67.44	TWJ STA 622+78 62L	66.26	36	2
P10	CAA	36.0	W STA 836+45 16R	66.04	W STA 836+45 20L	65.37	36	2
P11	CAA	60.1	W STA 846+81 63L	64.70	W STA 846+21 64L	64.60	18	2

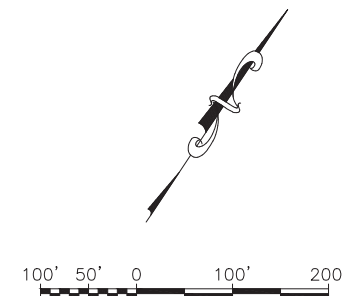
MANHOLE SUMMARY TABLE				
NAME	LOCATION	RIM ELEVATION	PIPES IN	PIPES OUT
M1	RW STA 28+85.00 536R	74.79		P2 INV: 69.40

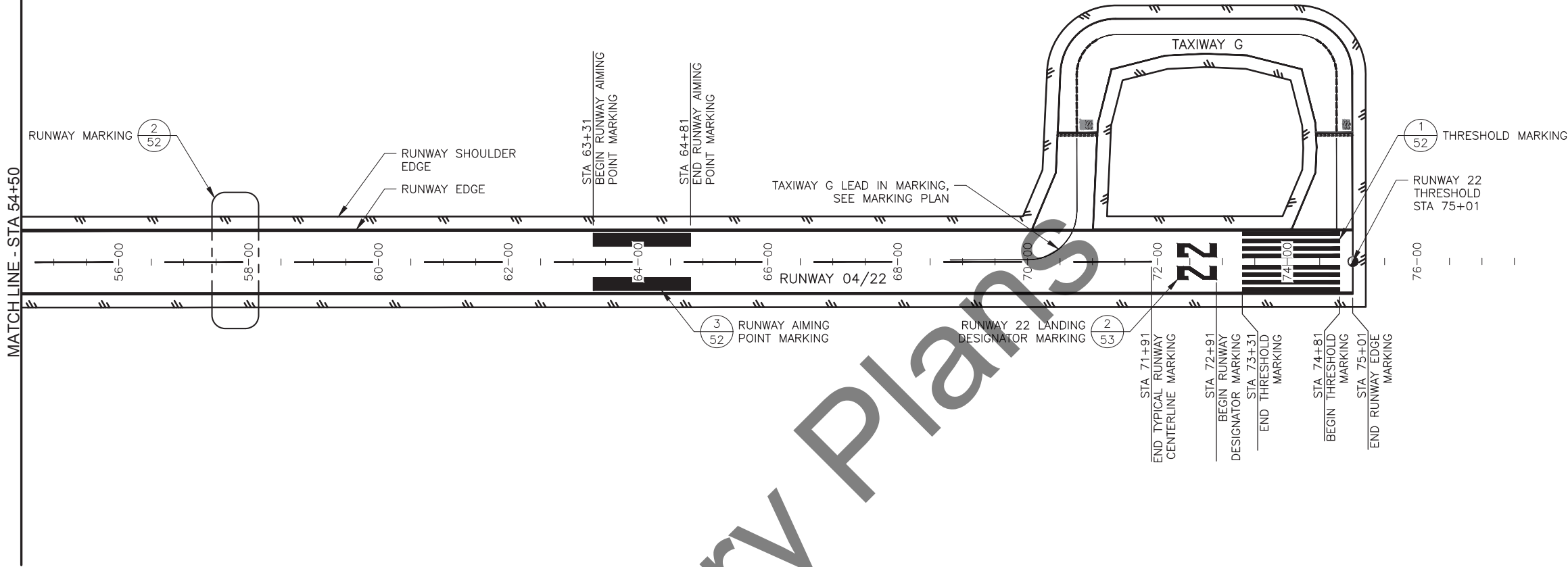




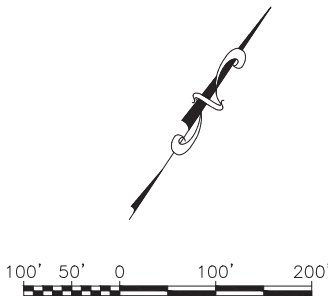


- ## NOTES:
1. ALL RUNWAY AND TAXIWAY EDGE STRIPING DIMENSIONS GIVEN ARE TO OUTSIDE EDGE OF STRIPE UNLESS OTHERWISE SHOWN.
  2. ALL RUNWAY AND TAXIWAY CENTERLINE STRIPING DIMENSIONS GIVEN ARE TO CENTERLINE OF STRIPE UNLESS OTHERWISE SHOWN.
  3. PROVIDE REFLECTIVE MEDIA (GLASS BEADS) WITH ALL MARKINGS (SUBSIDIARY).
  4. RUNWAY MARKINGS HAVE PRECEDENCE OVER TAXIWAY MARKINGS WHEN TAXIWAY MARKINGS CROSS RUNWAY MARKINGS. BREAK THE TAXIWAY MARKING TO MAINTAIN A 6" CLEAR SPACE BETWEEN TAXIWAY MARKINGS AND RUNWAY MARKINGS.
  5. ALL RUNWAY MARKINGS ARE WHITE, UNLESS OTHERWISE NOTED.
  6. ALL TAXIWAY MARKINGS ARE YELLOW, UNLESS OTHERWISE NOTED.
  7. SEE SPECIFICATIONS FOR PAINT, MATERIALS, METHODS AND COLORS.
  8. WHERE NEW STRIPING CONNECTS TO EXISTING STRIPING, ADJUST LOCATION TO MATCH EXISTING. ADJUSTMENTS SHALL BE DONE AT NO EXTRA COST.
  9. SEE AC 150/5340-1M APPENDIX B FOR SIGN AND GEOGRAPHIC POSITION MARKING INSCRIPTION DETAILS.





Preliminary Plans



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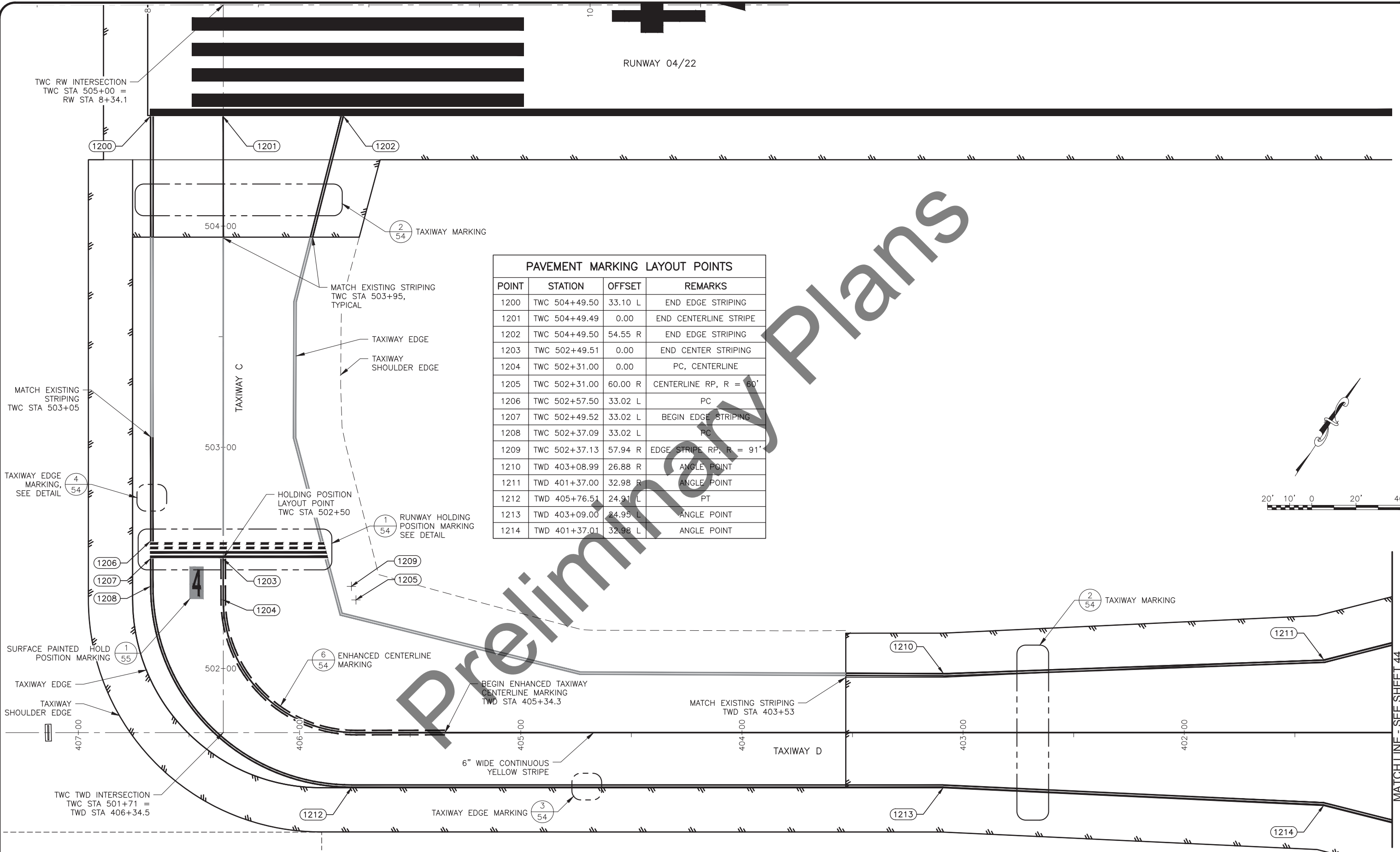
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HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
RUNWAY MARKING PLAN

DATE:  
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2/18/2022 2:57 PM  
Date Revised: 2/18/2022 2:57 PM  
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File Path and Name: H:\jbs\20-022 Homer Airport Improvements (DOT&PF CR)\CAD Drawings\00491-HOM-Marking-Plans.dwg  
Designed By: DAD  
Drawn By: CJB  
Checked By: MPM



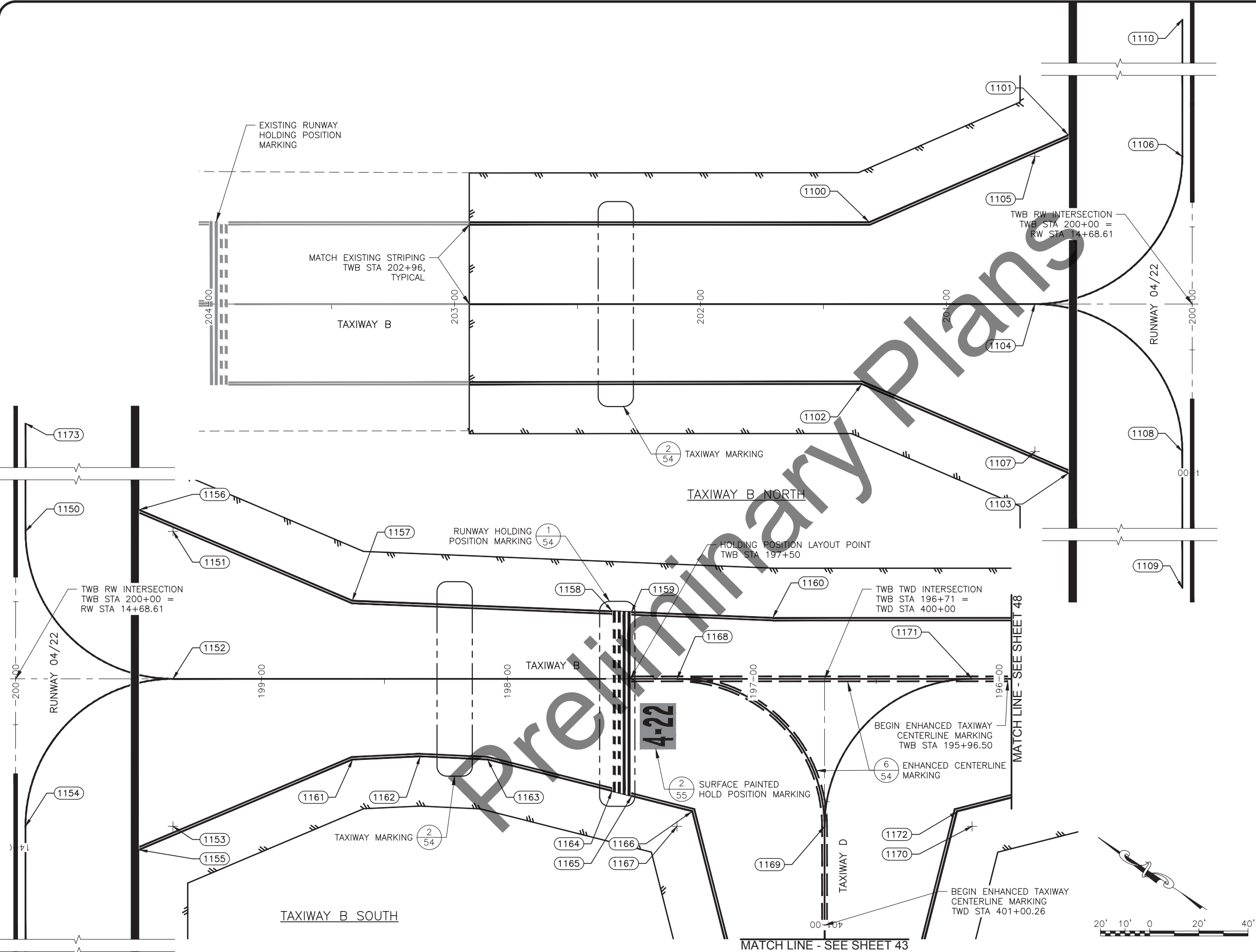
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HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY C & D MARKING PLAN

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PAVEMENT MARKING LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1100	TWB 201+31.49	33.46 R	ANGLE POINT
1101	TWB 200+50.49	68.87 R	END EDGE STRIPING
1102	TWB 201+34.45	32.68 L	ANGLE POINT
1103	TWB 200+50.51	68.88 L	END EDGE STRIPING
1104	TWB 200+64.00	0.00	PC
1105	TWB 200+64.00	60.01 R	RP, R = 60'
1106	TWB 200+04.00	60.01 R	PT
1107	TWB 200+64.00	59.99 L	RP, R = 60'
1108	TWB 200+04.00	59.99 L	PT
1109	TWB 200+04.02	259.99 L	END LEADON STRIPING
1110	TWB 200+03.98	260.01 R	END LEADON STRIPING

PAVEMENT MARKING LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1150	TWB 199+96.00	60.00 R	PC
1151	TWB 199+36.00	60.00 R	RP, R = 60'
1152	TWB 199+36.00	0.00	PT
1153	TWB 199+36.00	60.00 L	RP, R = 60'
1154	TWB 199+96.00	60.00 L	PC
1155	TWB 199+49.51	69.60 L	END EDGE STRIPING
1156	TWB 199+49.49	68.86 R	END EDGE STRIPING
1157	TWB 198+63.00	32.00 R	ANGLE POINT
1158	TWB 197+57.50	27.68 R	END EDGE STRIPING
1159	TWB 197+49.50	27.10 R	BEGIN EDGE STRIPING
1160	TWB 196+92.00	25.00 R	ANGLE POINT
1161	TWB 198+63.00	33.01 L	ANGLE POINT
1162	TWB 198+35.50	31.73 L	ANGLE POINT
1163	TWB 198+08.00	33.01 L	ANGLE POINT
1164	TWB 197+57.50	45.78 L	END EDGE STRIPING
1165	TWB 197+49.50	47.81 L	BEGIN EDGE STRIPING
1166	TWB 197+25.00	54.00 L	ANGLE POINT
1167	TWB 197+31.01	60.00 L	RP, R = 60'
1168	TWB 197+31.01	0.00	PC
1169	TWD 400+60.00	0.00	PT
1170	TWB 196+11.01	60.00 L	RP, R = 60'
1171	TWB 196+11.01	0.00	PT
1172	TWB 196+17.01	54.01 L	ANGLE POINT
1173	TWB 199+95.98	260.00 R	END LEADON STRIPE
1174	TWB 199+96.02	260.00 L	END LEADON STRIPE

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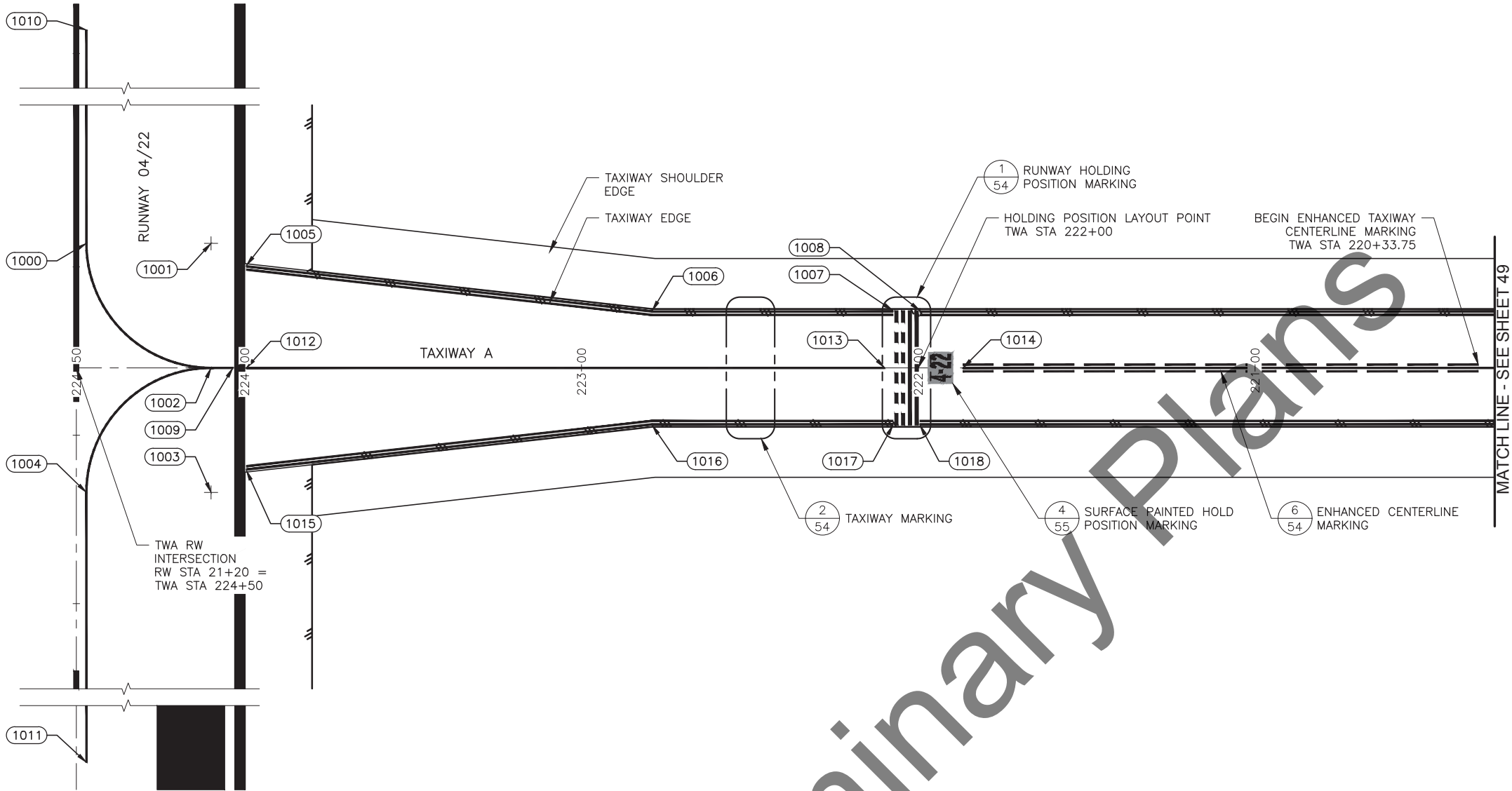
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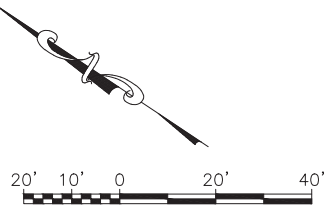
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HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY B MARKING PLAN

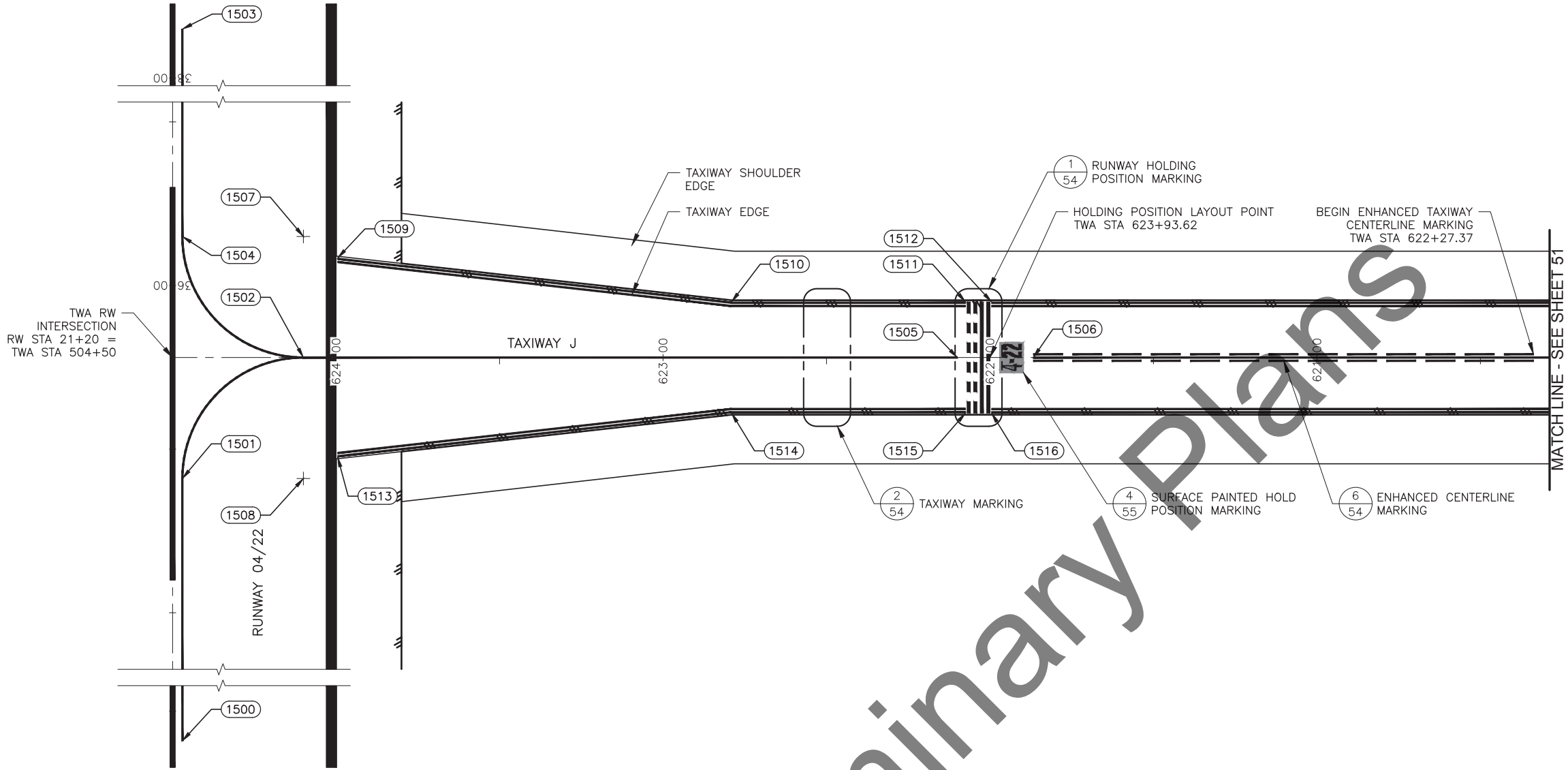
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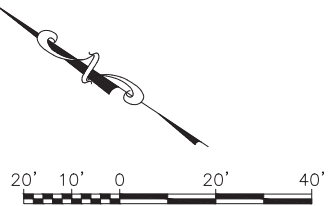


PAVEMENT MARKING LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1000	TWA 224+47.00	37.00 R	PC
1001	TWA 224+10.00	37.00 R	RP, R = 37'
1002	TWA 224+10.00	0.00	PT
1003	TWA 224+10.00	37.00 L	RP, R = 37'
1004	TWA 224+47.00	37.00 L	PC
1005	TWA 223+99.50	30.44 R	END TAXIWAY EDGE STRIPE
1006	TWA 222+79.02	17.00 R	ANGLE POINT
1007	TWA 222+07.50	17.00 R	END EDGE STRIPING
1008	TWA 221+99.50	17.00 R	BEGIN EDGE STRIPING
1009	TWA 224+03.50	0.00	BEGIN LEADON STRIPE
1010	TWA 224+47.00	237.00 R	END LEADON STIPE
1011	TWA 224+47.00	237.00 L	END LEADON STIPE
1012	TWA 223+99.50	0.00	BEGIN END LEADON STRIPE
1013	TWA 222+10.00	0.00	END LEADON STRIPE
1014	TWA 221+86.75	0.00	BEGIN CENTER STRIPING
1015	TWA 223+99.50	30.44 L	BEGIN EDGE STRIPING
1016	TWA 222+79.03	17.00 L	ANGLE POING
1017	TWA 222+07.50	17.00 L	END EDGE STRIPING
1018	TWA 221+99.50	17.00 L	BEGIN EDGE STRIPING





PAVEMENT MARKING LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1500	TWJ 624+47.00	237.00 L	END LEADON STRIPE
1501	TWJ 624+47.00	37.00 L	PC
1502	TWJ 624+10.00	0.00	PT
1503	TWJ 624+47.00	237.00 R	BEGIN LEADON STRIPE
1504	TWJ 624+47.00	37.00 R	PC
1505	TWJ 622+10.00	0.00	END CENTER STRIPE
1506	TWJ 621+86.75	0.00	BEGIN CENTER STRIPE
1507	TWJ 624+10.00	37.00 R	RP, R = 37'
1508	TWJ 624+10.00	37.00 L	RP, R = 37'
1509	TWJ 623+99.50	30.44 R	BEGIN TAXIWAY EDGE STRIPING
1510	TWJ 622+79.03	17.00 R	ANGLE POINT
1511	TWJ 622+07.50	17.00 R	END TAXIWAY EDGE STRIPING
1512	TWJ 621+99.50	17.00 R	BEGIN TAXIWAY EDGE STRIPING
1513	TWJ 623+99.50	30.44 L	BEGIN TAXIWAY EDGE STRIPING
1514	TWJ 622+79.03	17.00 L	ANGLE POINT
1515	TWJ 622+07.50	17.00 L	END TAXIWAY STRIPING
1516	TWJ 621+99.50	17.00 L	BEGIN TAXIWAY EDGE STRIPING



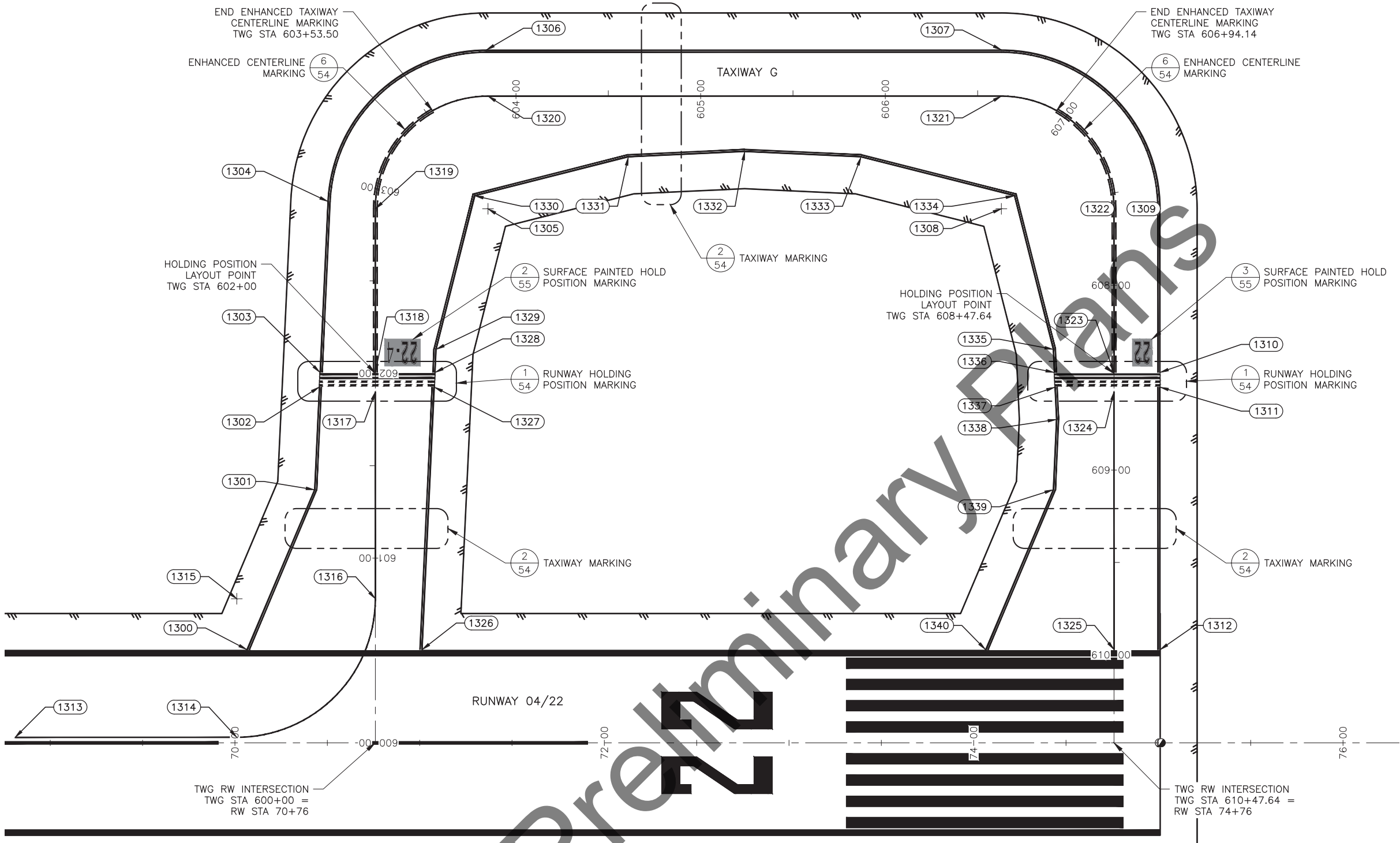
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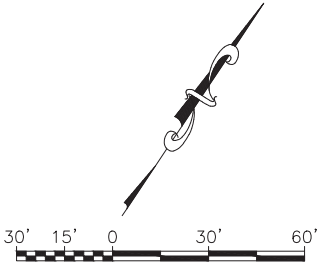
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HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY J MARKING PLAN

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PAVEMENT MARKING LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1300	TWG 600+50.50	69.60 L	END TAXIWAY EDGE STRIPE
1301	TWG 601+37.00	33.00 L	ANGLE POINT
1302	TWG 601+92.53	30.42 L	END EDGE STRIPING
1303	TWG 602+00.53	30.04 L	END EDGE STRIPING
1304	TWG 602+91.81	25.84 L	PC
1305	TWG 603+84.82	61.00 R	RP, R=86' AND R=61'
1306	TWG 603+84.22	25.00 L	PT
1307	TWG 606+62.82	25.00 L	PC
1308	TWG 607+58.64	61.00 R	RP, R=86' AND R=61'
1309	TWG 607+58.64	25.00 L	PT
1310	TWG 608+47.14	25.00 L	END EDGE STIPING
1311	TWG 608+55.14	25.00 L	BEGIN EDGE STRIPING
1312	TWG 609+97.17	25.00 L	END EDGE STRIPING
1313	TWG 600+03.00	195.00 L	BEGIN LEADON STRIPE
1314	TWG 600+03.00	75.00 L	PC
1315	TWG 600+78.00	75.00 L	RP, R=75'
1316	TWG 600+78.00	0.00	PT
1317	TWG 601+90.00	0.00	END LEADON STRIPE
1318	TWG 602+00.50	0.00	BEGIN CENTER STRIPING
1319	TWG 602+89.00	0.00	PC CENTER STRIPING
1320	TWG 603+84.82	0.00	PT, CENTER STRIPE
1321	TWG 606+62.82	0.00	PC, CENTER STRIPE
1322	TWG 607+58.64	0.00	PT, CENTER STRIPE
1323	TWG 608+47.14	0.00	END CENTER STRIPE
1324	TWG 608+57.64	0.00	BEGIN LEADON STRIPE
1325	TWG 609+97.16	0.00	END LEADON STRIPE
1326	TWG 600+50.49	25.44 R	BEGIN EDGE STRIPING
1327	TWG 601+92.50	32.05 R	END EDGE STRIPING
1328	TWG 602+00.50	32.42 R	BEGIN EDGE STRIPING
1329	TWG 602+13.00	33.00 R	ANGLE POINT
1330	TWG 603+36.91	51.10 R	ANGLE POINT
1331	TWG 604+60.82	33.00 R	ANGLE POINT
1332	TWG 605+23.82	30.07 R	ANGLE POINT
1333	TWG 605+86.82	33.00 R	ANGLE POINT
1334	TWG 607+10.73	51.10 R	ANGLE POINT
1335	TWG 608+34.64	33.00 R	ANGLE POINT
1336	TWG 608+47.15	32.42 R	END EDGE STRIPE
1337	TWG 608+55.15	32.05 R	BEGIN EDGE STRIPING
1338	TWG 608+72.65	31.23 R	ANGLE POINT
1339	TWG 609+10.64	33.00 R	ANGLE POINT
1340	TWG 609+97.14	69.60 R	END EDGE STRIPING



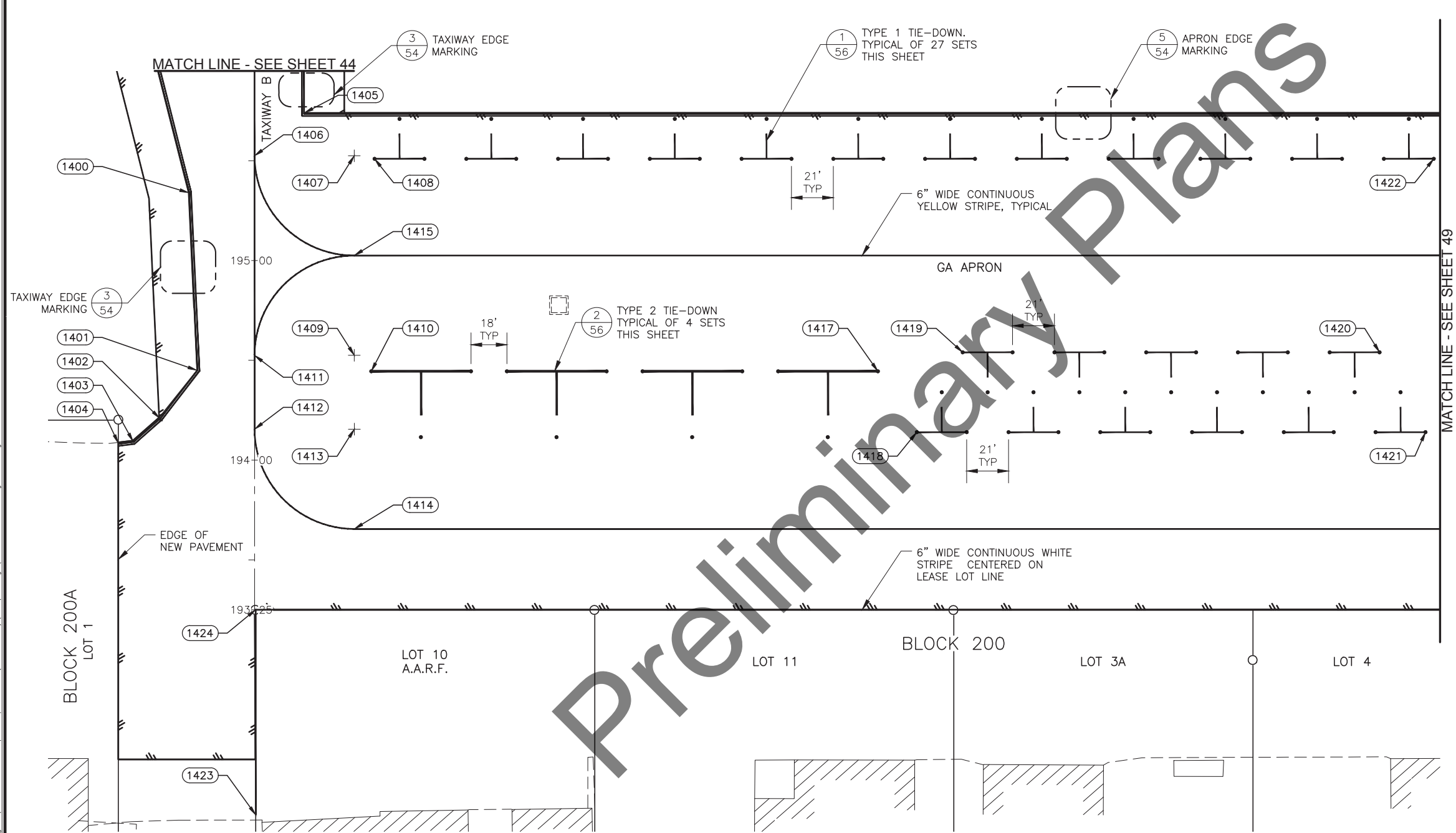
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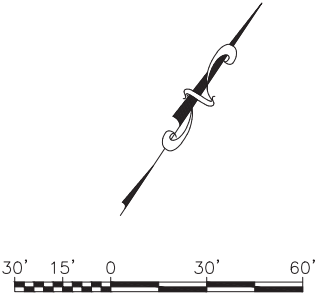
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PROJECT No. CFAPT00491  
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TAXIWAY G MARKING PLAN

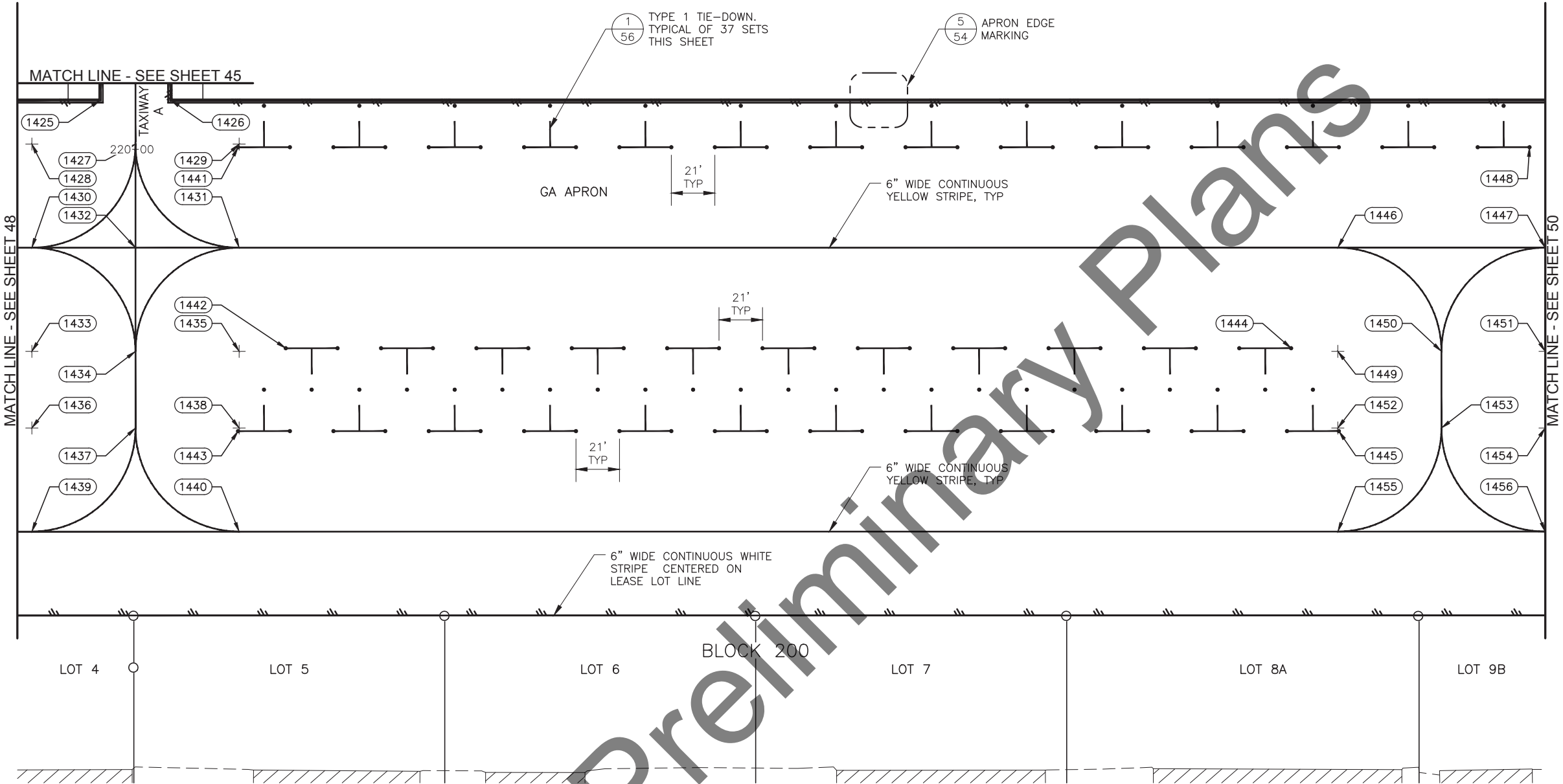
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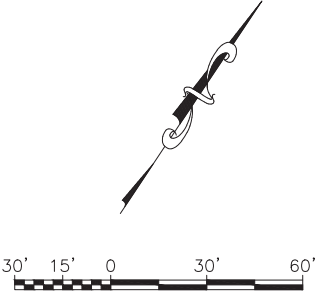
PAVEMENT MARKING LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1400	TWB 195+34.01	33.03 L	ANGLE POINT
1401	TWB 194+45.01	28.92 L	ANGLE POINT
1402	TWB 194+20.94	47.53 L	ANGLE POINT
1403	TWB 194+09.26	60.85 L	ANGLE POINT
1404	TWB 194+08.39	68.27 L	END TAXIWAY STRIPING
1405	TWB 195+74.00	25.00 R	TW/APRON STRIPING INTERSECTION
1406	RW 14+68.65	447.50 R	PC
1407	RW 15+18.65	447.50 R	RP, R = 50'
1408	RW 15+28.82	449.00 R	TIE-DOWN LAYOUT POINT
1409	RW 15+18.65	547.50 R	RP, R = 50'
1410	RW 15+27.15	555.50 R	TIE-DOWN LAYOUT POINT
1411	RW 14+68.65	547.50 R	PT
1412	RW 14+68.66	584.50 R	PC
1413	RW 15+18.66	584.50 R	RP, R = 50'
1414	RW 15+18.66	634.50 R	PT
1415	RW 15+18.65	497.50 R	PT
1417	RW 17+81.15	555.50 R	TIE-DOWN LAYOUT POINT
1418	RW 18+00.65	586.00 R	TIE-DOWN LAYOUT POINT
1419	RW 18+23.65	546.00 R	TIE-DOWN LAYOUT POINT
1420	RW 20+32.65	546.00 R	TIE-DOWN LAYOUT POINT
1421	RW 20+55.65	586.00 R	TIE-DOWN LAYOUT POINT
1422	RW 20+59.82	449.00 R	TIE-DOWN LAYOUT POINT
1423	RW 14+69.21	777.82 R	END EDGE STRIPE
1424	RW 14+69.21	674.95 R	CORNER EDGE STRIPE







PAVEMENT MARKING LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1425	RW 21+03.00	426.25 R	TWA/APRON EDGE STRIPING
1426	RW 21+37.00	426.25 R	TWA/APRON EDGE STRIPING
1427	RW 21+20.00	447.50 R	PT
1428	RW 20+70.00	447.50 R	RP, R=50'
1429	RW 21+70.00	447.50 R	RP, R=50'
1430	RW 20+70.00	497.50 R	PC
1431	RW 21+70.00	497.50 R	PC
1432	RW 21+20.00	497.50 R	INTERSECTION
1433	RW 20+70.00	547.50 R	RP, R=50'
1434	RW 21+20.00	547.50 R	PT
1435	RW 21+70.00	547.50 R	RP, R=50'
1436	RW 20+70.00	584.50 R	RP, R=50'
1437	RW 21+20.00	584.50 R	PC
1438	RW 21+70.00	584.50 R	RP, R=50'
1439	RW 20+70.00	634.50 R	PT
1440	RW 21+70.00	634.50 R	PT
1441	RW 21+69.50	449.00 R	TIE-DOWN LAYOUT POINT
1442	RW 21+92.50	546.00 R	TIE-DOWN LAYOUT POINT
1443	RW 21+69.50	586.00 R	TIE-DOWN LAYOUT POINT
1444	RW 26+77.50	546.00 R	TIE-DOWN LAYOUT POINT
1445	RW 27+00.50	586.00 R	TIE-DOWN LAYOUT POINT
1446	RW 27+00.00	497.50 R	PC
1447	RW 28+00.00	497.50 R	PC
1448	RW 27+92.50	449.00 R	TIE-DOWN LAYOUT POINT
1449	RW 27+00.00	547.50 R	RP, R=50'
1450	RW 27+50.00	547.50 R	PT
1451	RW 28+00.00	547.50 R	RP, R=50'
1452	RW 27+00.00	584.50 R	RP, R=50'
1453	RW 27+50.00	584.50 R	PC
1454	RW 28+00.00	584.50 R	RP, R=50'
1455	RW 27+00.00	634.50 R	PT
1456	RW 28+00.00	634.50 R	PT



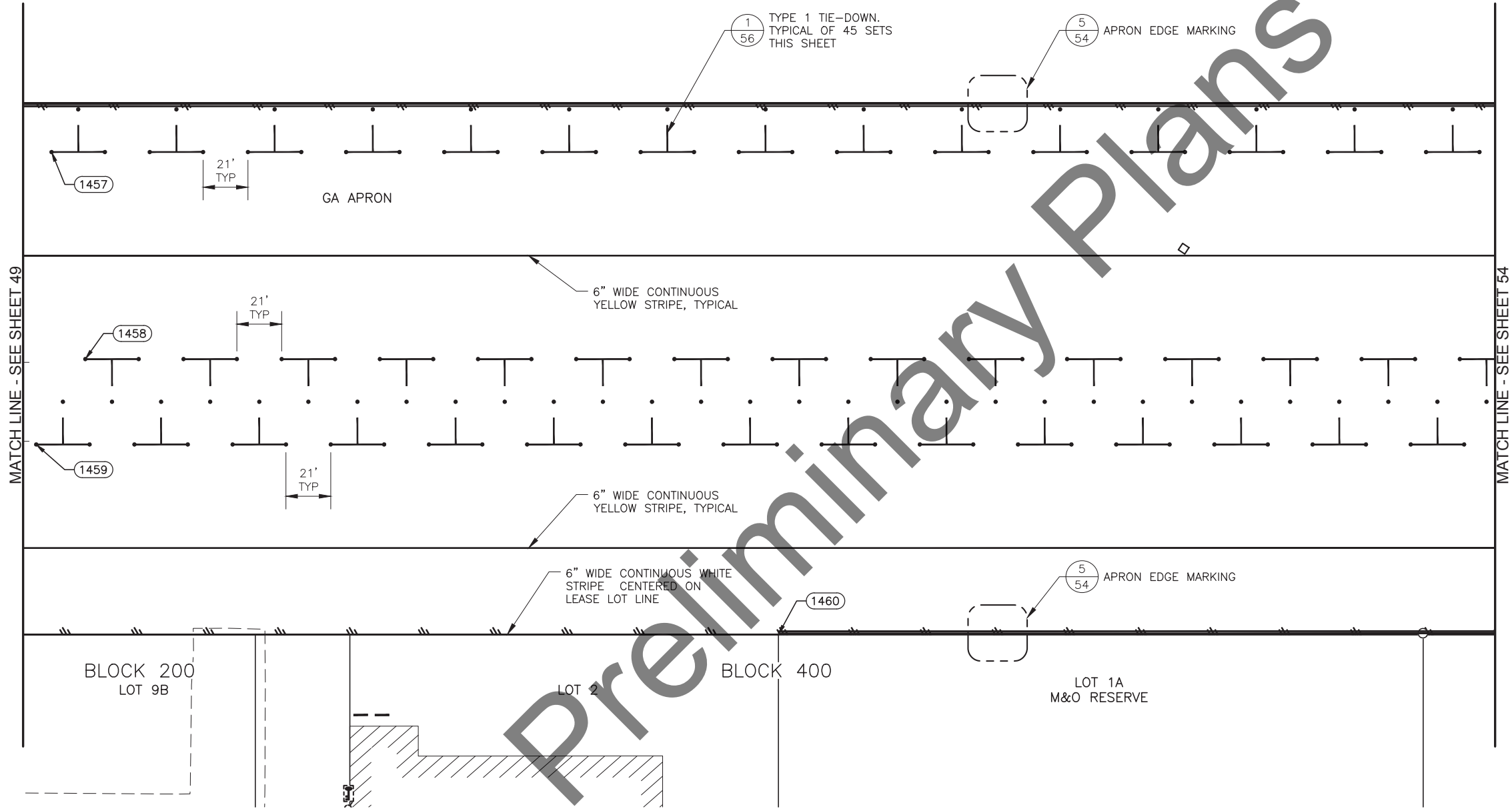
HDL ENGINEERING CONSULTANTS, LLC  
3335 ARCTIC BOULEVARD, STE 100  
ANCHORAGE, AK 99503  
(907) 564-2120  
CERTIFICATE OF AUTHORIZATION  
NO. AECL861

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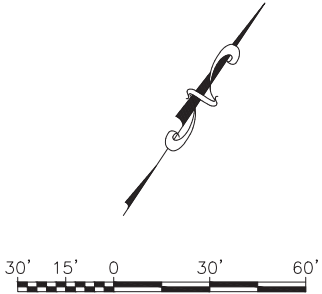
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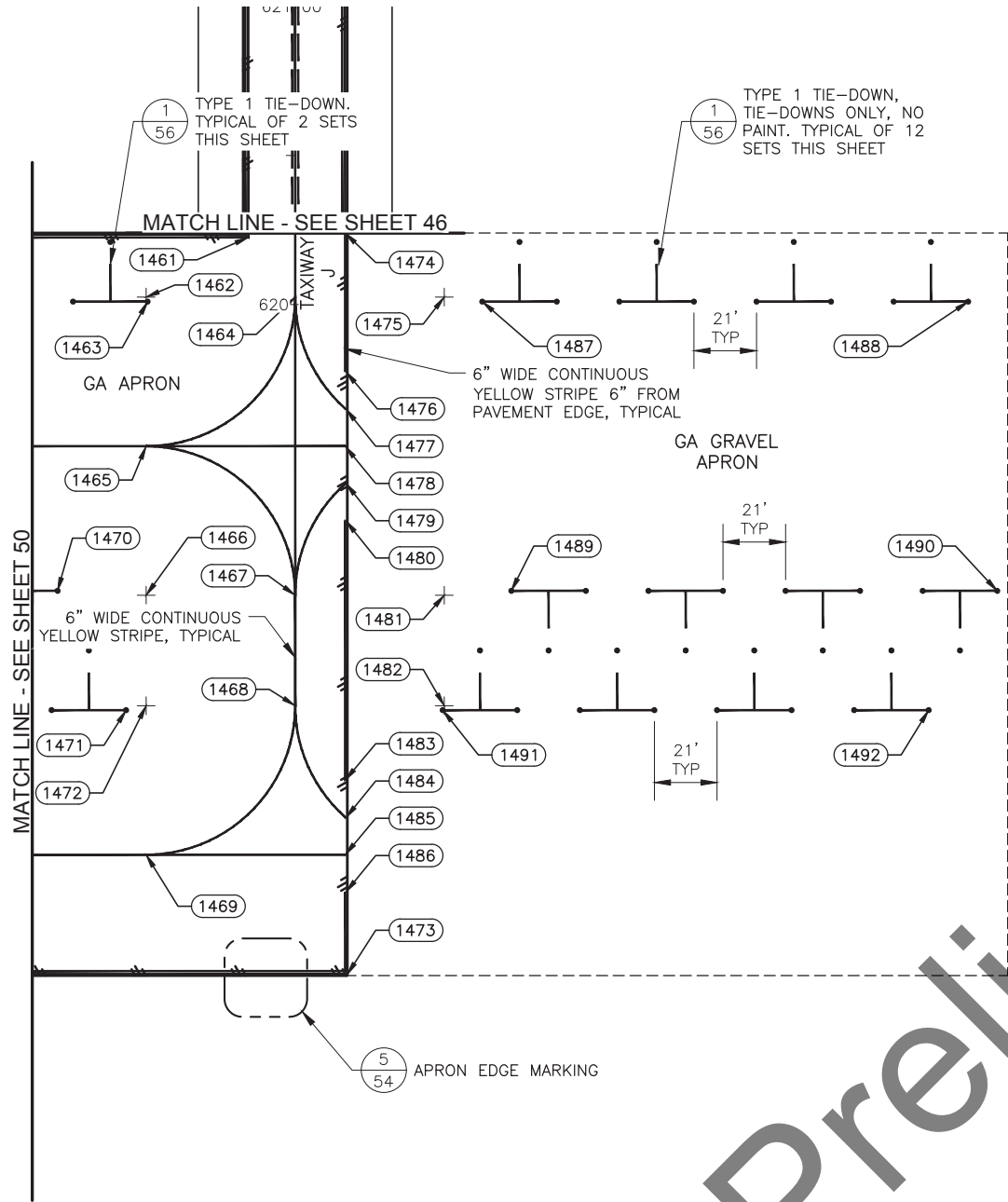
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HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
GA APRON MARKING PLAN

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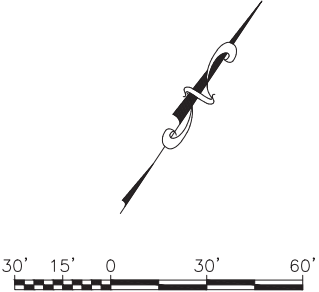
PAVEMENT MARKING LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1457	RW 28+13.50	449.00 R	TIE-DOWN LAYOUT POINT
1458	RW 28+29.31	546.00 R	TIE-DOWN LAYOUT POINT
1459	RW 28+06.31	586.00 R	TIE-DOWN LAYOUT POINT
1460	RW 31+54.05	674.99 R	END APRON EDGE STRIPE





PAVEMENT MARKING LAYOUT POINTS			
POINT	STATION	OFFSET	REMARKS
1461	RW 35+62.25	427.50 R	END APRON EDGE STRIPING
1462	RW 35+28.00	447.50 R	RP, R=50'
1463	RW 35+28.50	449.00 R	TIE-DOWN LAYOUT POINT
1464	RW 35+78.00	447.50 R	PT
1465	RW 35+28.00	497.50 R	PC
1466	RW 35+28.00	547.50 R	RP, R=50'
1467	RW 35+78.00	547.50 R	TIE-DOWN LAYOUT POINT
1468	RW 35+78.00	584.50 R	PT
1469	RW 35+28.00	634.50 R	PC
1470	RW 34+98.31	546.00 R	TIE-DOWN LAYOUT POINT
1471	RW 35+21.31	586.00 R	TIE-DOWN LAYOUT POINT
1472	RW 35+28.00	584.50 R	RP, R = 50'
1473	RW 35+95.43	674.75 R	END APRON EDGE STRIPING
1474	RW 35+94.75	426.00 R	END STRIPE
1475	RW 36+28.00	447.50 R	RP, R = 50'
1476	RW 35+95.00	472.50 R	END STRIPE
1477	RW 35+95.00	485.00 R	END CENTERLINE STRIPE
1478	RW 35+94.75	497.50 R	END CENTERLINE STRIPE
1479	RW 35+95.00	509.94 R	END CENTERLINE STRIPE
1480	RW 35+95.00	522.50 R	END CENTERLINE STRIPE
1481	RW 36+28.00	547.50 R	RP, R = 50'
1482	RW 36+28.00	584.50 R	RP, R = 50'
1483	RW 35+94.75	609.50 R	END STRIPE
1484	RW 35+95.00	622.06 R	END CENTER STRIPE
1485	RW 35+94.75	634.50 R	END CENTER STRIPE
1486	RW 35+95.00	647.00 R	END STRIPE
1487	RW 36+40.75	449.00 R	TIE-DOWN LAYOUT POINT
1488	RW 38+03.75	449.00 R	TIE-DOWN LAYOUT POINT
1489	RW 36+50.50	546.00 R	TIE-DOWN LAYOUT POINT
1490	RW 38+13.50	546.00 R	TIE-DOWN LAYOUT POINT
1491	RW 36+27.50	586.00 R	TIE-DOWN LAYOUT POINT
1492	RW 37+90.50	586.00 R	TIE-DOWN LAYOUT POINT

NOTE:  
1. TIE-DOWNS ON GRAVEL SHALL NOT BE MARKED.





Date Revised: 2/18/2022 3:00 PM

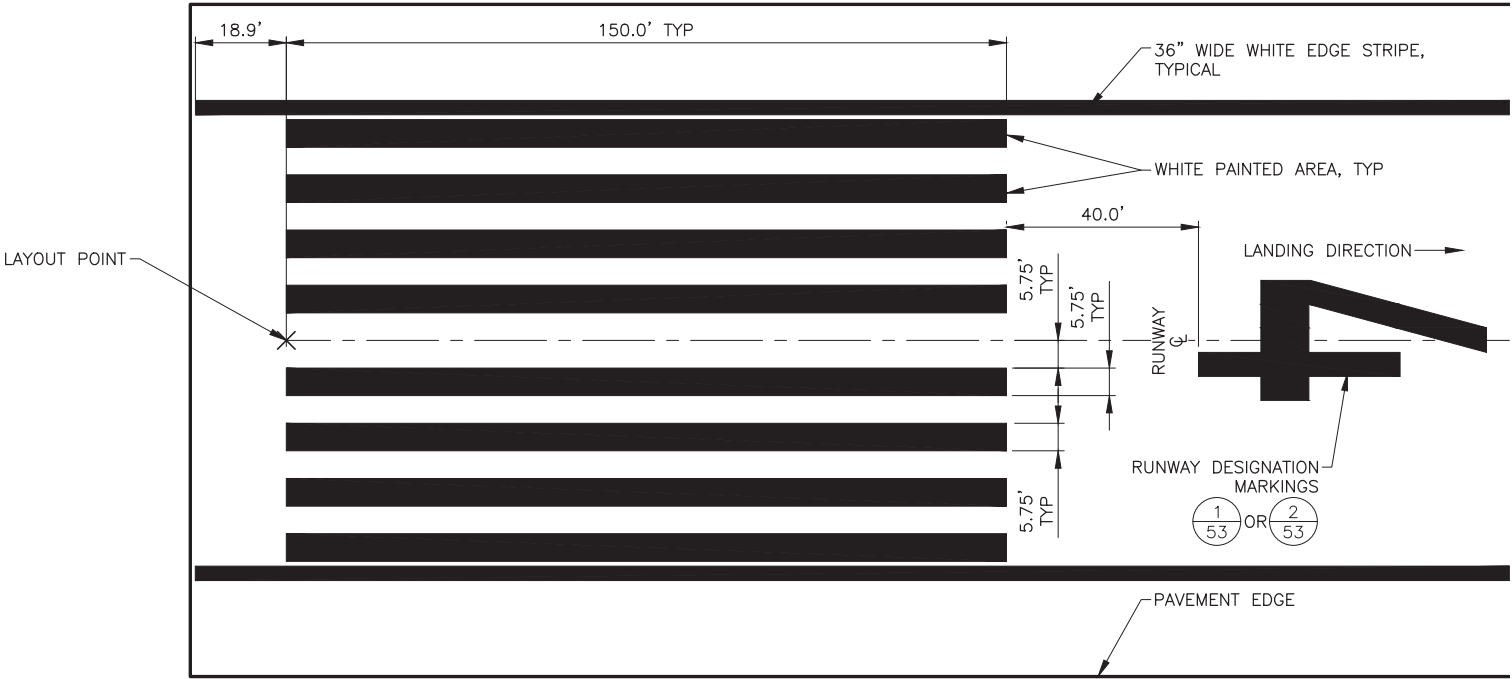
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File Path and Name: H:\jobs\20-022 Homer Airport Improvements (DOT&PF CR)\CAD Drawings\00491-HOM-Marking-Details.dwg

Designed By: DAD

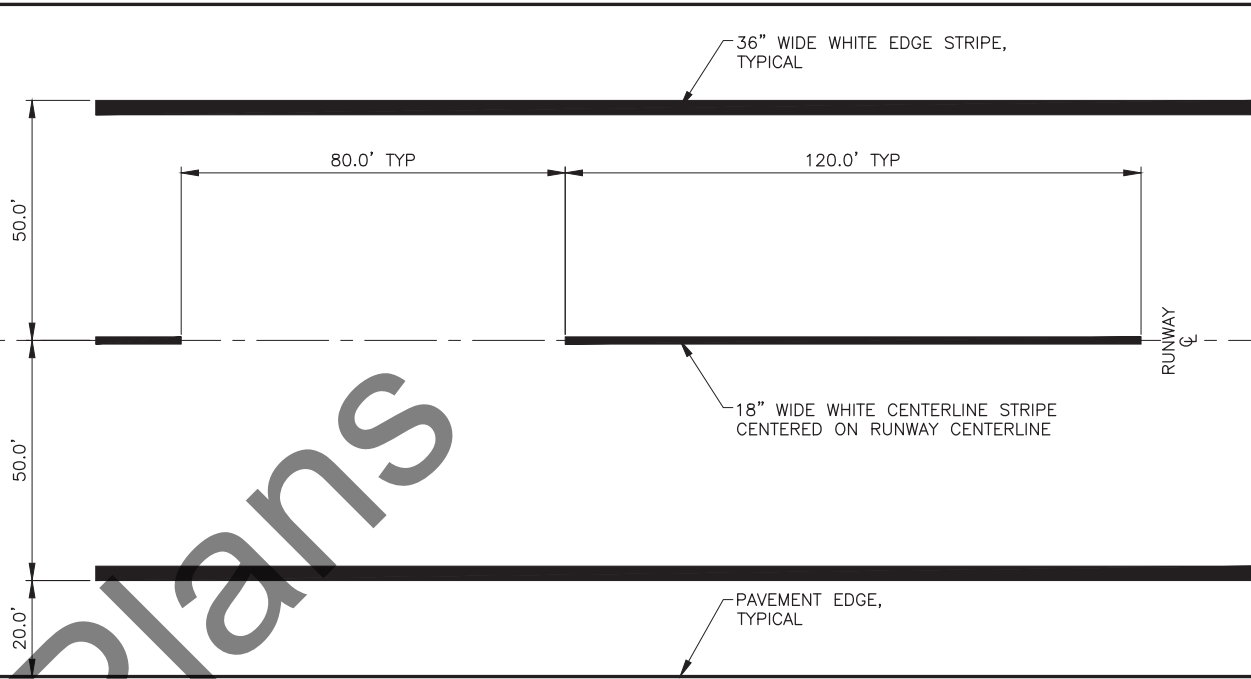
Drawn By: CJB

Checked By: MPM

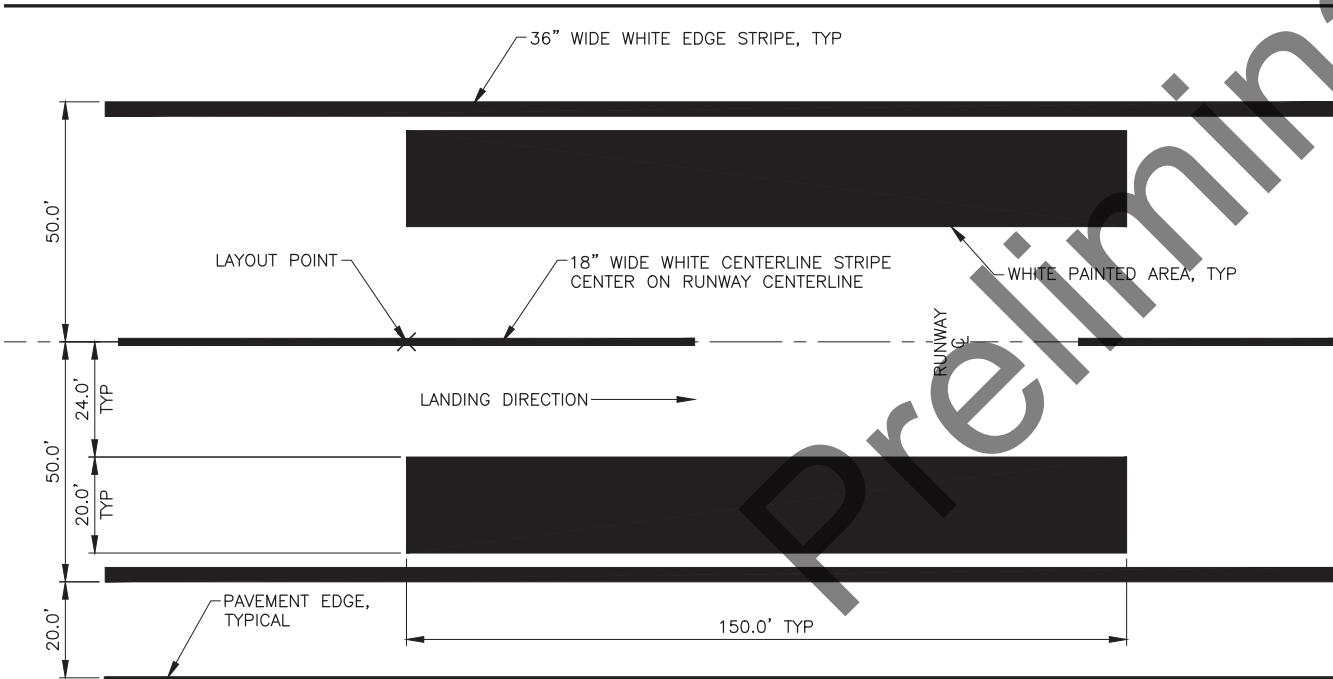


1 RUNWAY 04/22 THRESHOLD MARKING DETAIL  
SCALE: NTS

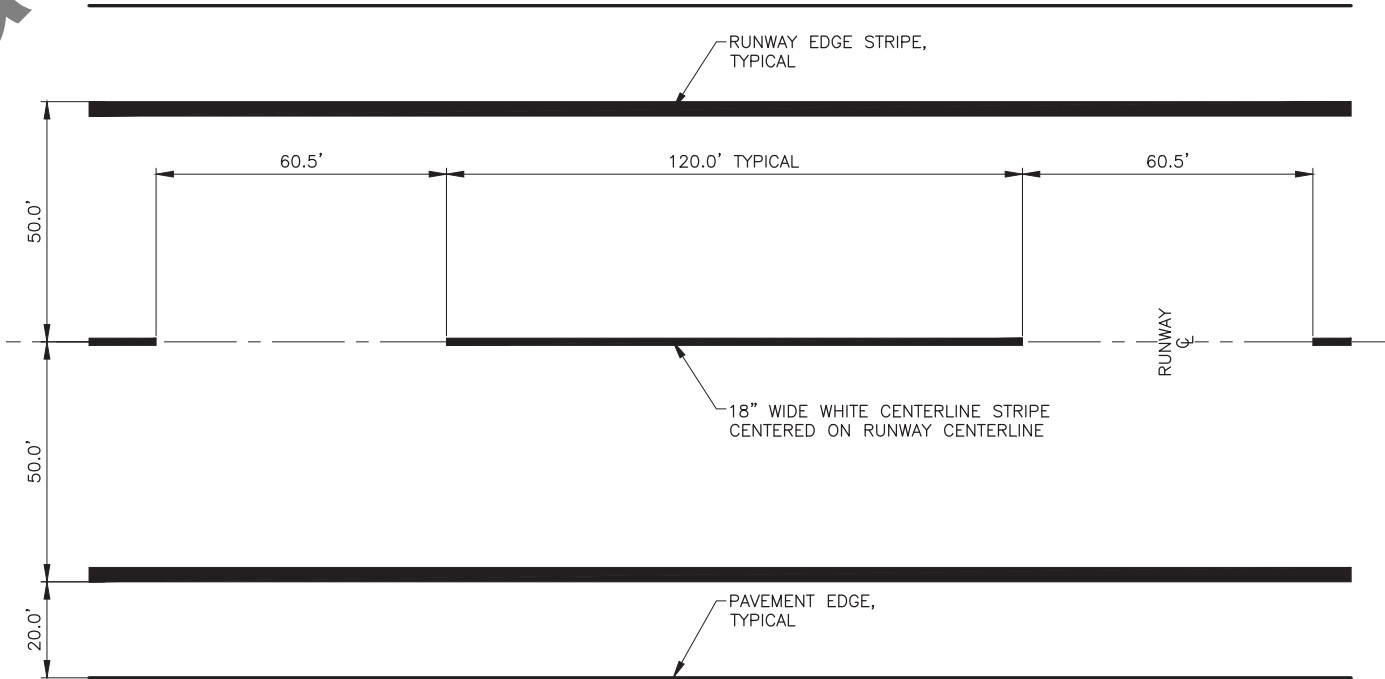
NOTE:  
1. PROVIDE REFLECTIVE MEDIA (GLASS BEADS) WITH ALL TAXIWAY AND RUNWAY MARKINGS. REFLECTIVE MEDIA IS SUBSIDIARY TO MARKINGS.



2 RUNWAY 04/22 STRIPING DETAIL  
SCALE: NTS



3 RUNWAY 04/22 AIMING POINT DETAIL  
SCALE: NTS



4 RUNWAY 04/22 STRIPING DETAIL - MIDPOINT STRIPE  
SCALE: NTS

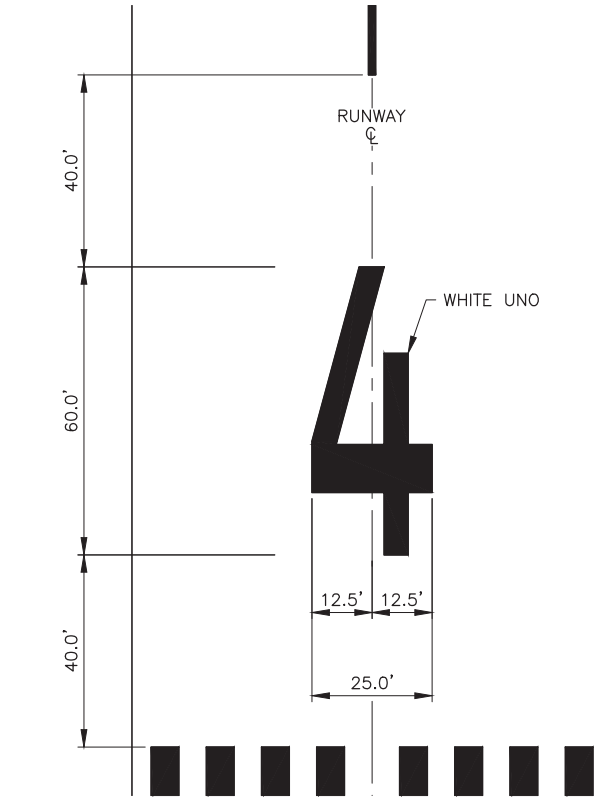
HDL ENGINEERING CONSULTANTS, LLC  
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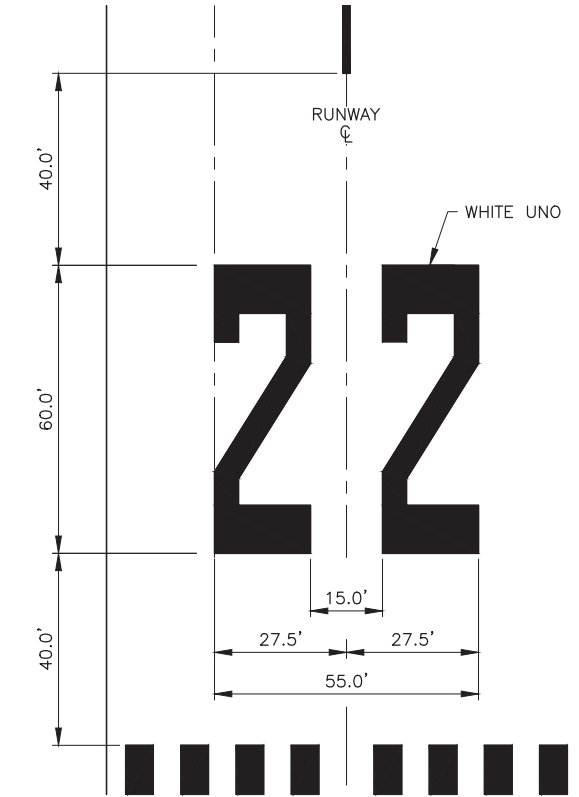
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HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
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RUNWAY MARKING DETAILS

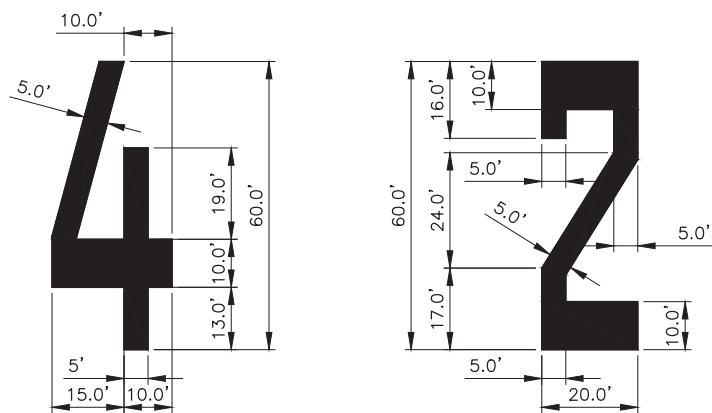
DATE:  
2/2022  
SHEET:  
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1  
53 RUNWAY 04 DESIGNATION MARKING  
SCALE: NTS



2  
53 RUNWAY 22 DESIGNATION MARKING  
SCALE: NTS



3  
53 RUNWAY DESIGNATION NUMBER DETAILS  
SCALE: NTS

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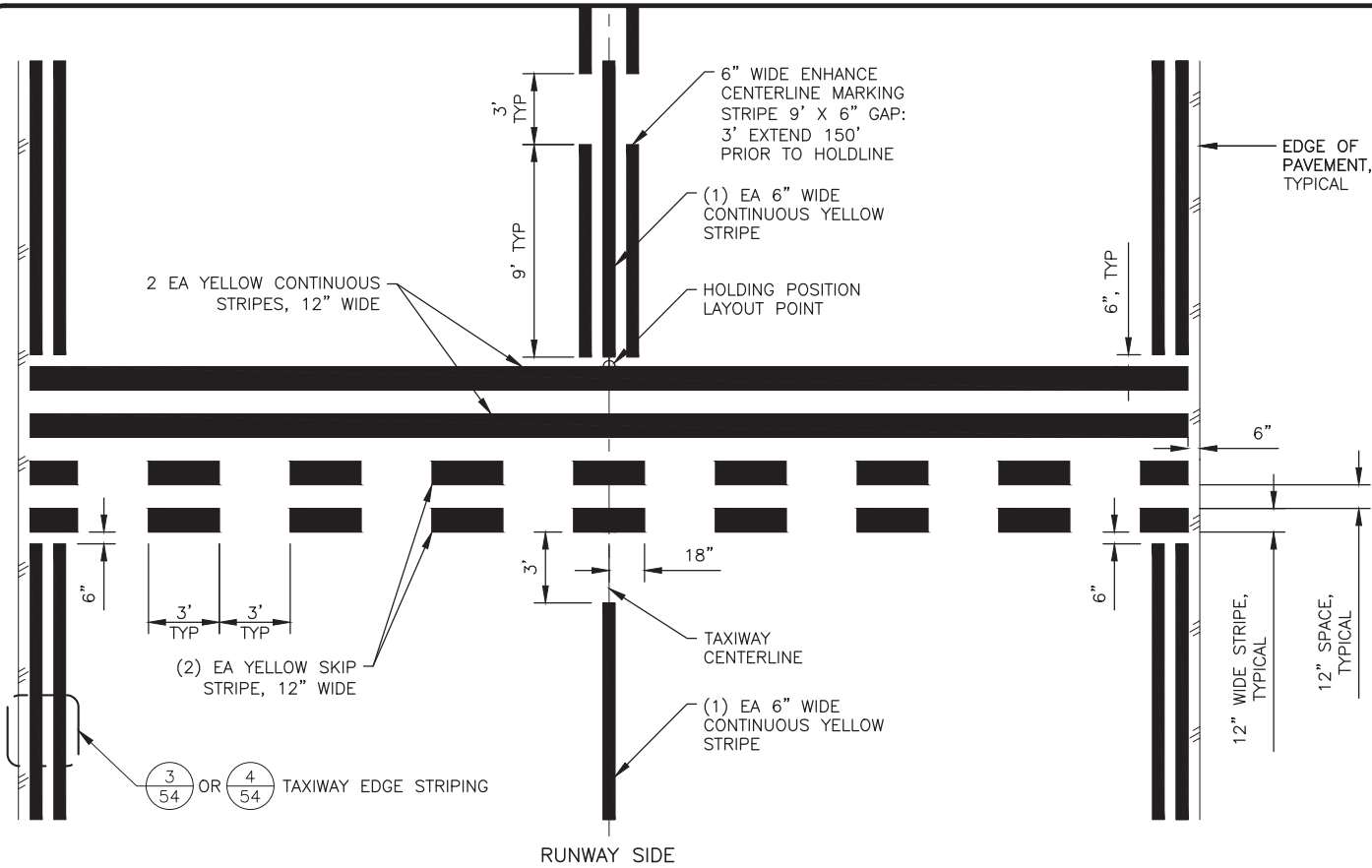
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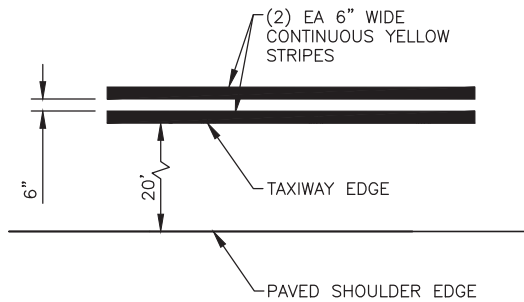
HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
RUNWAY MARKING DETAILS

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2/2022

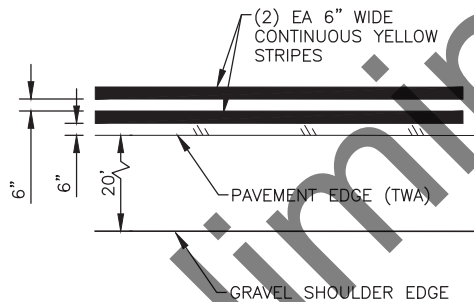
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53 OF 57



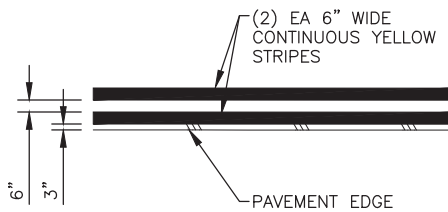
1 RUNWAY HOLDING POSITION DETAIL  
SCALE: NTS



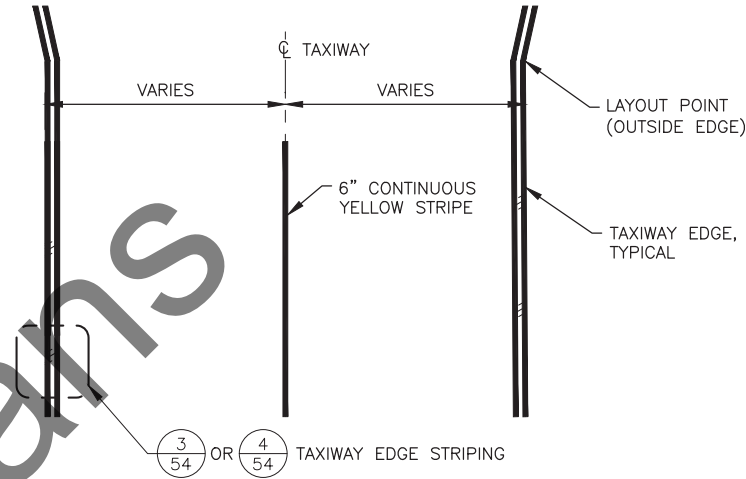
3 TAXIWAY EDGE MARKING DETAIL  
SCALE: NTS



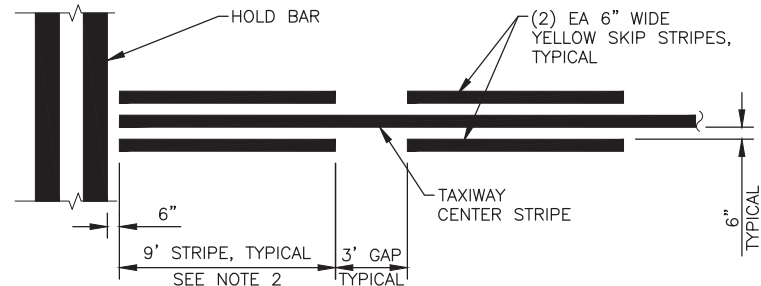
4 TAXIWAY EDGE MARKING DETAIL  
SCALE: NTS



5 APRON EDGE MARKING DETAIL  
SCALE: NTS



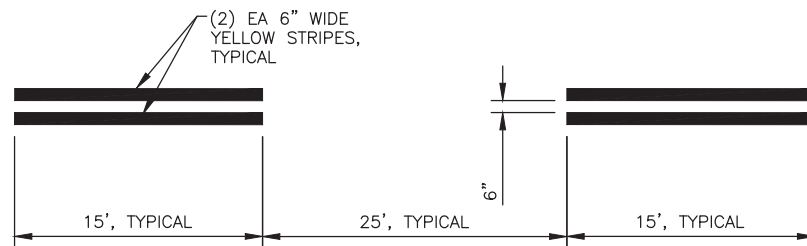
2 TAXIWAY MARKING DETAIL  
SCALE: NTS



NOTES:

1. PROVIDE 6" SPACE BETWEEN TAXIWAY CENTERLINE AND ENHANCED TAXIWAY CENTERLINE MARKING.
2. CURVED PORTIONS OF ENHANCED CENTERLINE STRIPES AND SPACES ARE MEASURED AT CENTERLINE. LENGTHS OUTSIDE A CURVE WILL BE LONGER THAN INSIDE THAT CURVE.

6 ENHANCED CENTERLINE DETAIL  
SCALE: NTS



7 DASHED TAXIWAY EDGE MARKING DETAIL  
SCALE: NTS

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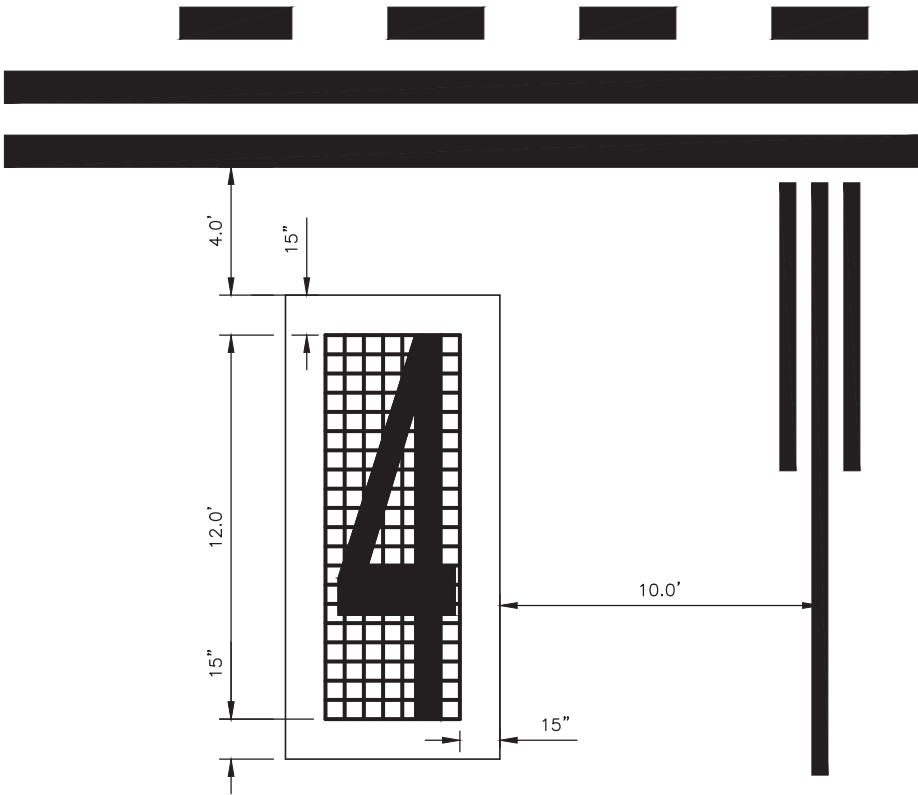
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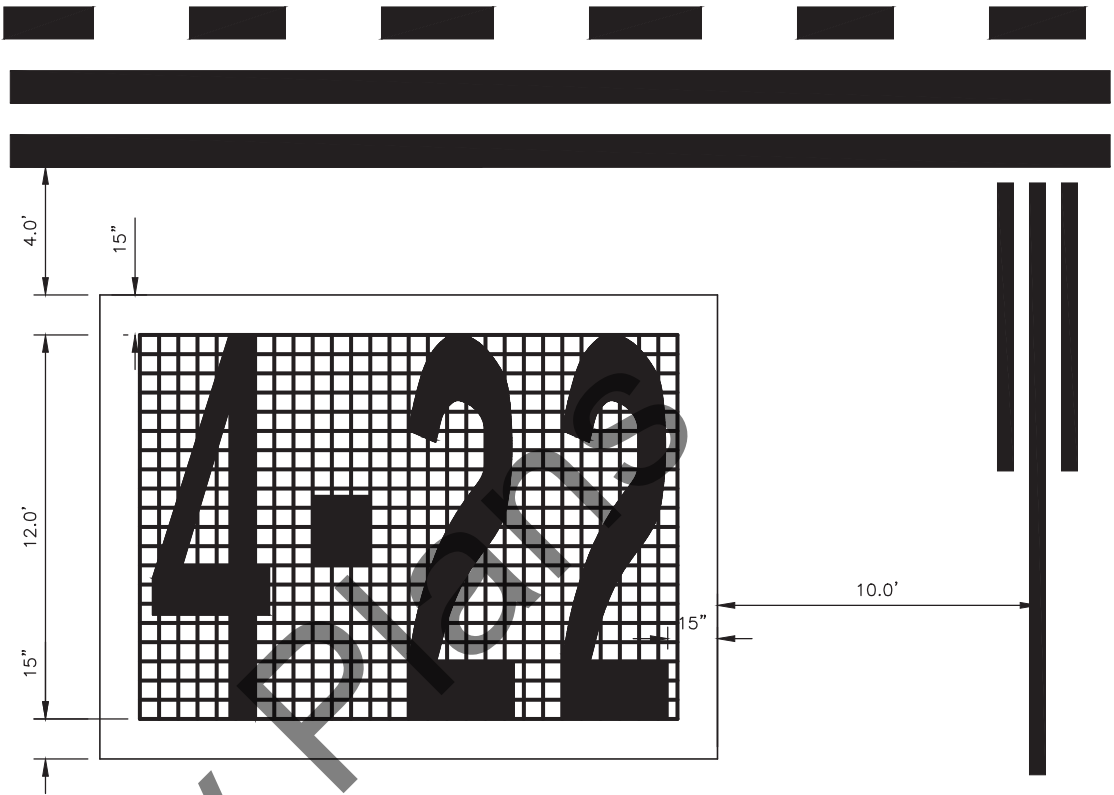
HOMER AIRPORT  
HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TAXIWAY MARKING DETAILS

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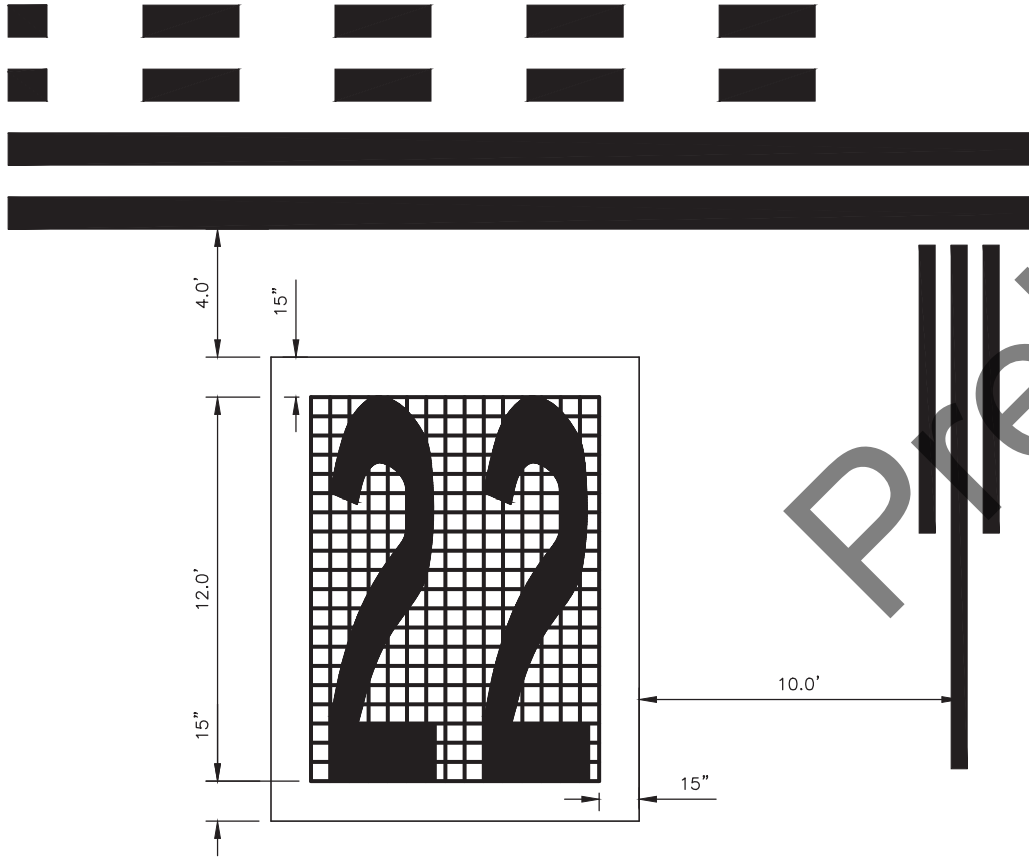
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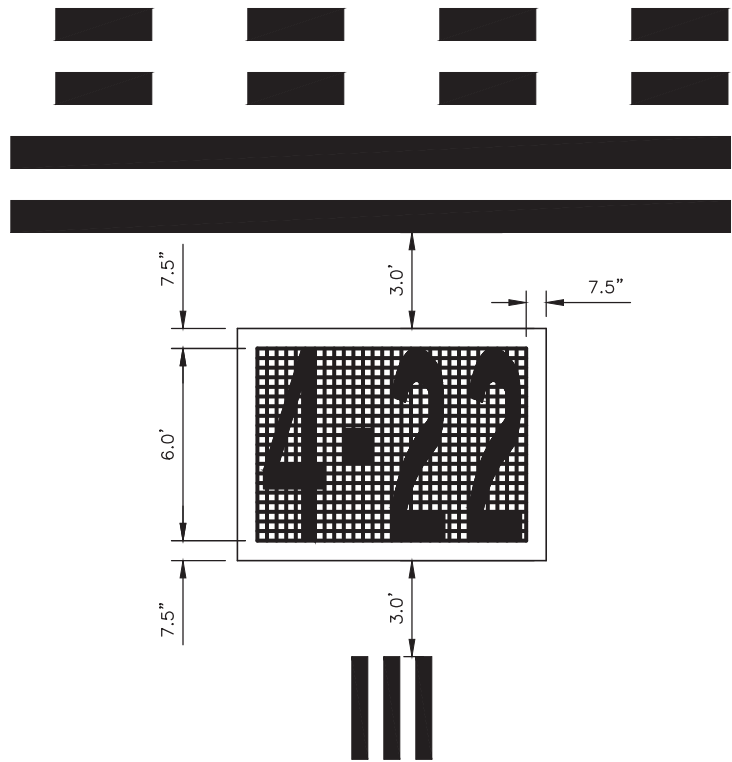
1 SURFACE PAINTED HOLDING POSITION SIGNS  
SCALE: NTS



2 SURFACE PAINTED HOLDING POSITION SIGNS  
SCALE: NTS



3 SURFACE PAINTED HOLDING POSITION SIGNS  
SCALE: NTS



4 SURFACE PAINTED HOLDING POSITION SIGNS  
SCALE: NTS

**NOTE:**  
1. SEE AC 150/5345-44K FOR CHARACTER DIMENSIONS.

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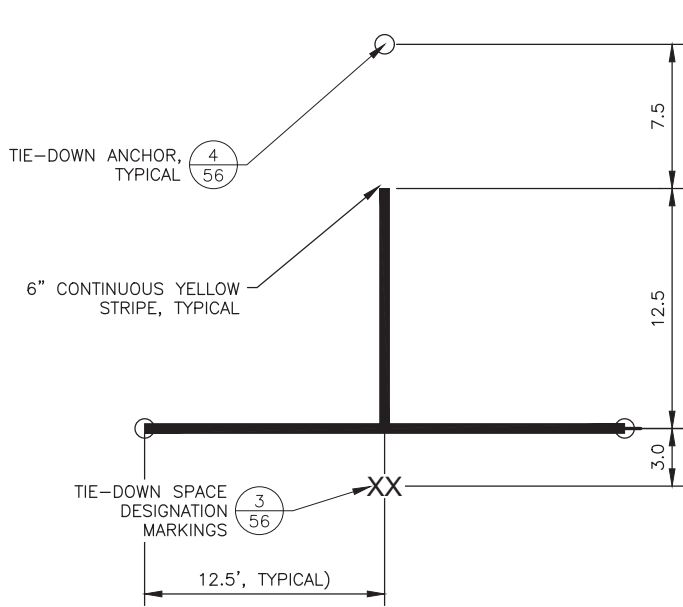
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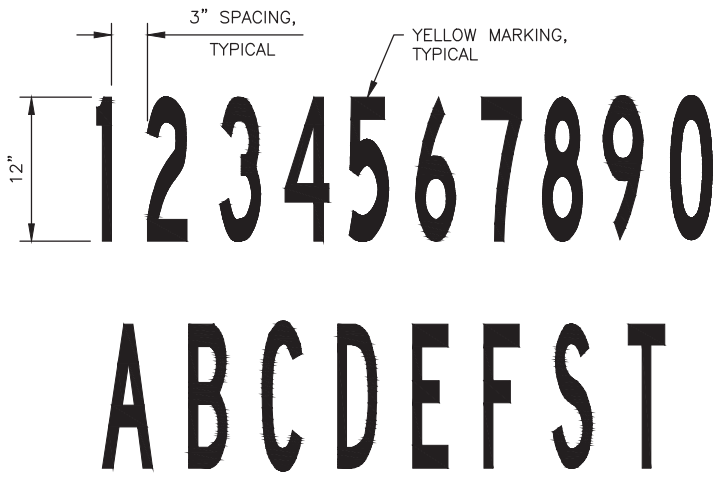
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HOMER, ALASKA  
HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
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TAXIWAY MARKING DETAILS

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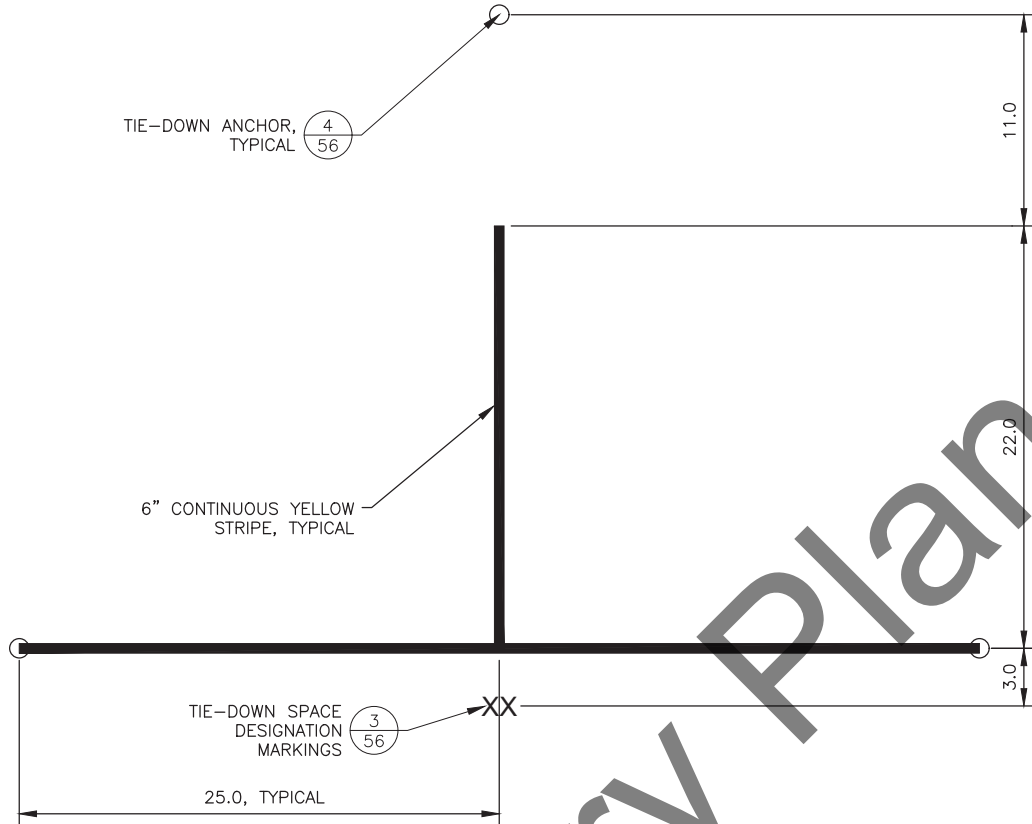
1  
56 TIE-DOWN MARKING TYPE 1  
SCALE: NTS



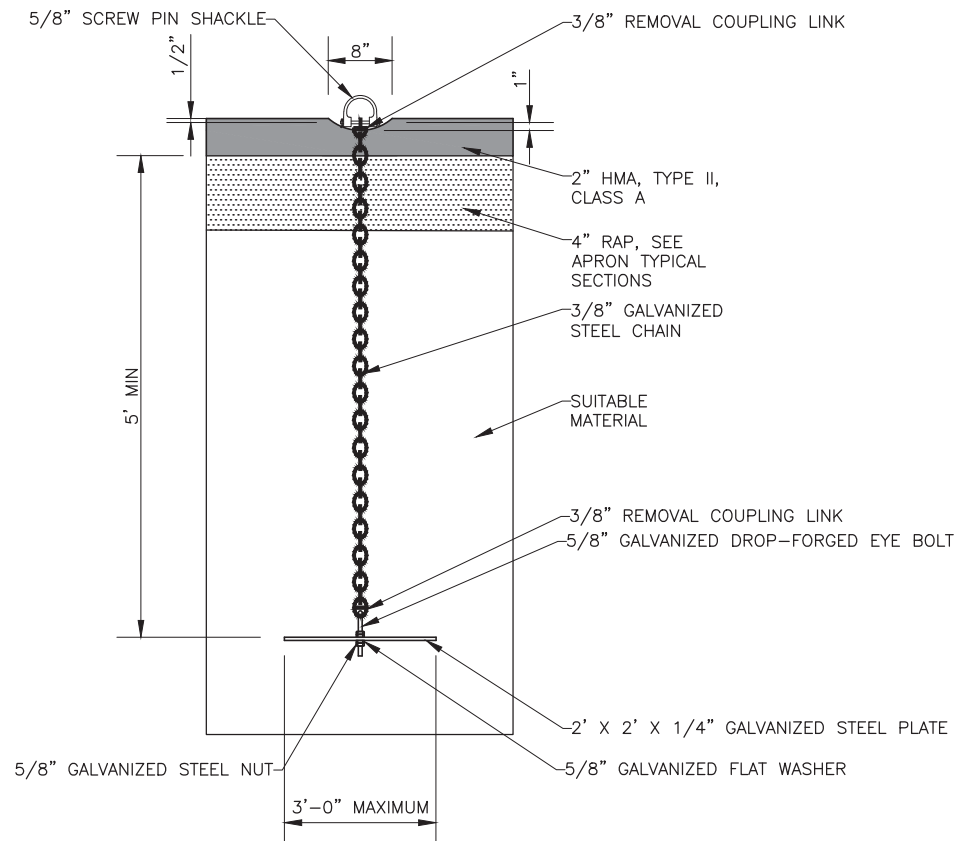
NOTES:

- SEE AC 150/5340-1L FOR NUMBER AND LETTER TEMPLATES.
- SEE PLAN SHEETS FOR ACTUAL CHARACTERS FOR EACH SPACE.

3  
56 TIE-DOWN SPACE DESIGNATION MARKINGS  
SCALE: NTS



2  
56 TIE-DOWN MARKING TYPE 2  
SCALE: NTS



4  
56 TIE-DOWN ANCHOR DETAIL  
SCALE: NTS

NOTE:

- CONTRACTOR SHALL REMOVE THE EXISTING TIE-DOWN CABLE AND CHAINS A MINIMUM OF 18-INCHES BELOW EXISTING GRADE.

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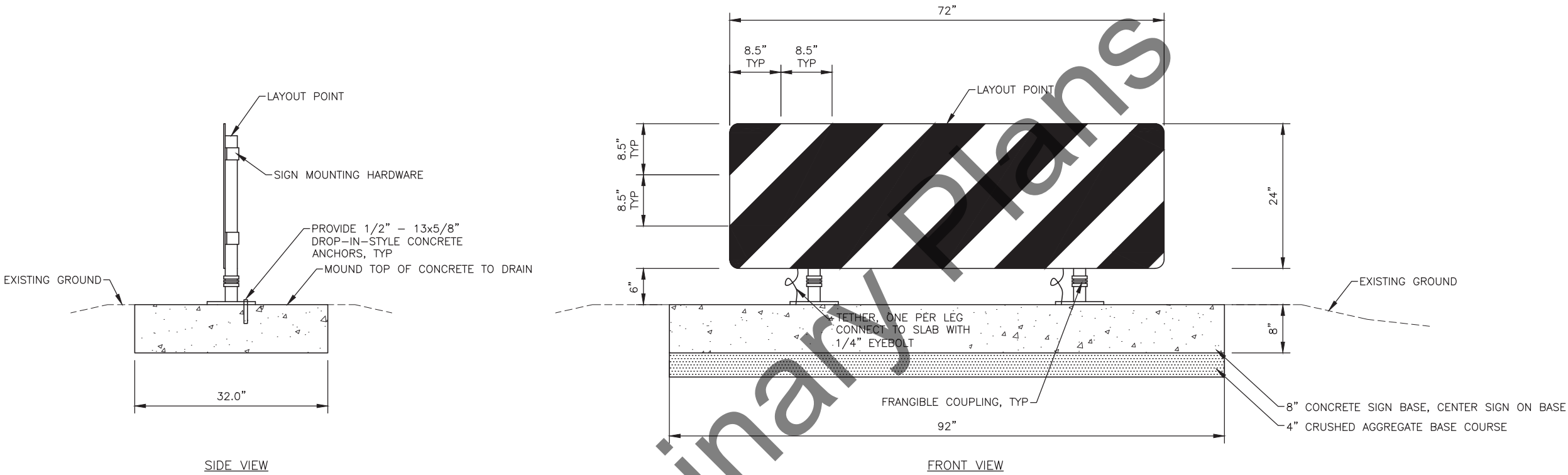
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HOMER AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
TIE-DOWN MARKING DETAILS

DATE:  
2/2022

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- NOTES:**
1. TOP OF CONCRETE SIGN BASE SHALL BE FLUSH WITH ADJACENT GRADE.
  2. SIGN HEIGHT SHALL NOT EXCEED 30" ABOVE CONCRETE SIGN BASE.



1  
57

**TAXIWAY ENDING MARKER**

SCALE: NTS  
"D" STA 5+13.5, 52.5 RT  
"D" STA 18+24, 15.5 RT

LEGEND:		
EXISTING	DEMOLITION	NEW

2" HDPE CONDUIT. HASH MARKS INDICATE NUMBER OF NEW #8 AWG. 5KV AIRPORT CABLES, TYPE "C", PLUS ONE #6 BARE COPPER GROUND CONDUCTOR.

2" HDPE CONDUIT, IN 4" RSC SLEEVE. HASH MARKS INDICATE NUMBER OF NEW #8 AWG. 5KV AIRPORT CABLES, TYPE "C", PLUS ONE #6 BARE COPPER GROUND CONDUCTOR.

THRESHOLD LIGHT, GREEN/RED

RUNWAY EDGE LIGHT, WHITE/YELLOW

RUNWAY EDGE LIGHT, WHITE/WHITE

RUNWAY EDGE LIGHT, WHITE/YELLOW, FLUSH

RUNWAY EDGE LIGHT, WHITE/WHITE, FLUSH

TAXIWAY EDGE LIGHT

TAXIWAY EDGE LIGHT, FLUSH

HANDHOLE, L-867

ELEVATED RUNWAY GUARD LIGHT, L-804

LIGHTED AIRPORT SIGN

WIND CONE, L-806 OR L-807

CONCRETE HANDHOLE

CONCRETE MANHOLE

ROTATING BEACON

RADIO CONTROLLER ANTENNA

FAA THRESHOLD LIGHT

FAA VASI

DRYWELL

3/4" X 10' COPPER COATED GROUND ROD

LIGHT OR HANDHOLE NUMBER "X" - SEE SCHEDULE

SIGN NUMBER "X" - SEE SCHEDULE

TEMPORARY RUNWAY EDGE LIGHT, SEE CSPP

TEMPORARY TAXIWAY EDGE LIGHT, SEE CSPP

TEMPORARY THRESHOLD LIGHT, SEE CSPP

UNDERGROUND ELECTRIC

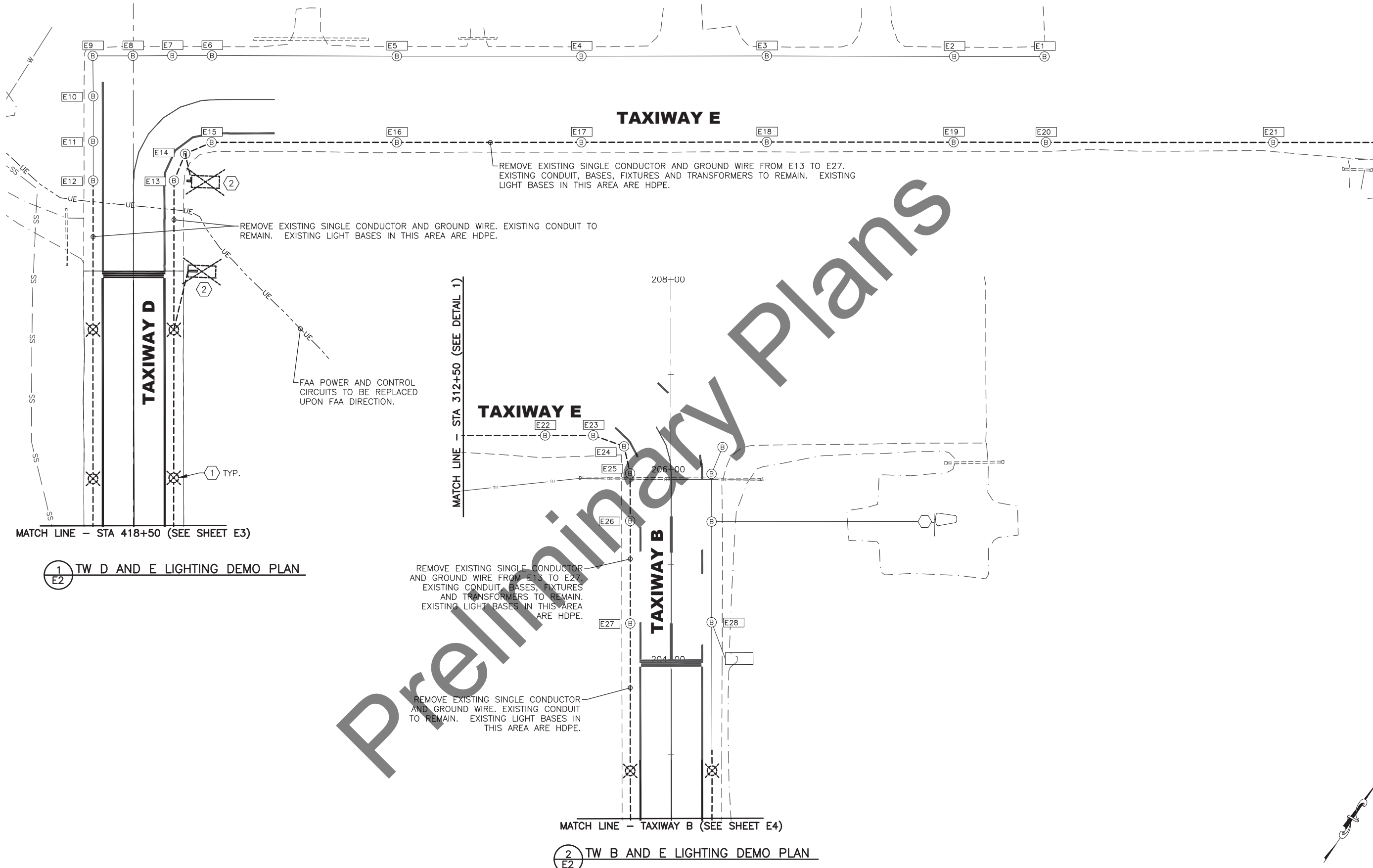
UNDERGROUND COMM

ABBREVIATIONS:	
AWG	AMERICAN WIRE GAUGE
BCU	BARE COPPER GROUND
C	CONDUIT
CBAC	CRUSHED BASE AGGREGATE COURSE
CCR	CONSTANT CURRENT REGULATOR
CSPP	CONSTRUCTION SAFETY AND PHASING PLAN
CABC	CRUSHED AGGREGATE BASE COURSE
CU	COPPER
DEB	DIRECT EARTH BURY
DEG	DEGREES
ETR	EXISTING TO REMAIN
FAA	FEDERAL AVIATION ADMINISTRATION
FT	FOOT
HDPE	HIGH DENSITY POLYETHYLENE
HIRL	HIGH INTENSITY RUNWAY LIGHTING
IN	INCH
KV	KILOVOLT
KW	KILOWATT
LED	LIGHT EMITTING DIODE
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
NRTL	NATIONALLY RECOGNIZED TESTING LABORATORY
MAX	MAXIMUM
MIN	MINIMUM
MIRL	MEDIUM INTENSITY RUNWAY LIGHTING
OC	ON CENTER
UON	UNLESS OTHERWISE NOTED
PCT	PERCENT
PRI	PRIMARY
RSC	RIGID STEEL CONDUIT
RW	RUNWAY
RW(X)	RW CIRCUIT, NUMBER IN ( ) INDICATES # OF CONDUCTORS
SCO	SERIES CUTOFF
STA	STATION
TH	THRESHOLD
TOC	TOP OF CONCRETE
TW(X)	TW CIRCUIT, NUMBER IN ( ) INDICATES # OF CONDUCTORS
TW	TAXIWAY
TYP	TYPICAL
VASI	VISUAL APPROACH SLOPE INDICATOR
XFMR	TRANSFORMER

ELECTRICAL SHEET INDEX:	
E1	LEGEND AND NOTES
E2-E8	LIGHTING DEMOLITION PLANS
E9	LIGHTING NOTES
E10-E15	RUNWAY AND TAXIWAY LIGHTING PLANS
E16-E21	LARGE SCALE PLANS
E22-E26	DETAILS
E27-E30	SCHEDULES

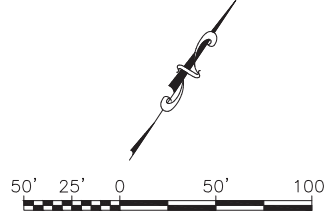
- DEMOLITION GENERAL NOTES:
1. DECOMMISSIONED CONDUIT, CONDUCTORS, AND GROUND WIRES IN RACEWAY SHALL BE REMOVED. ABANDONED WIRING AND CONDUIT RUNS EXPOSED DURING EXCAVATION SHALL BE REMOVED. THIS WORK SHALL BE SUBSIDIARY TO EXCAVATION AND NO SEPARATE PAYMENT WILL BE MADE.
  2. THE CONTRACTOR SHALL RESTORE 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. DEMOLISHED SIGNS, FIXTURES, AND TRANSFORMERS 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, SIGN BASES, WIRE, AND RACEWAYS, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL STATUTES.
  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. LOCATE EXISTING UNDERGROUND UTILITIES PRIOR TO COMMENCING WORK.

- DEMOLITION SHEET NOTES:
- 1 REMOVE RUNWAY EDGE LIGHTS, THRESHOLD LIGHTS, TAXIWAY LIGHTS, BASES, TRANSFORMERS, CONDUIT, AND WIRING.
  - 2 REMOVE EXISTING SIGN, CONCRETE BASE, CONDUIT, AND CONDUCTORS.
  - 3 SALVAGE FOR RE-INSTALLATION.



1  
E2 TW D AND E LIGHTING DEMO PLAN

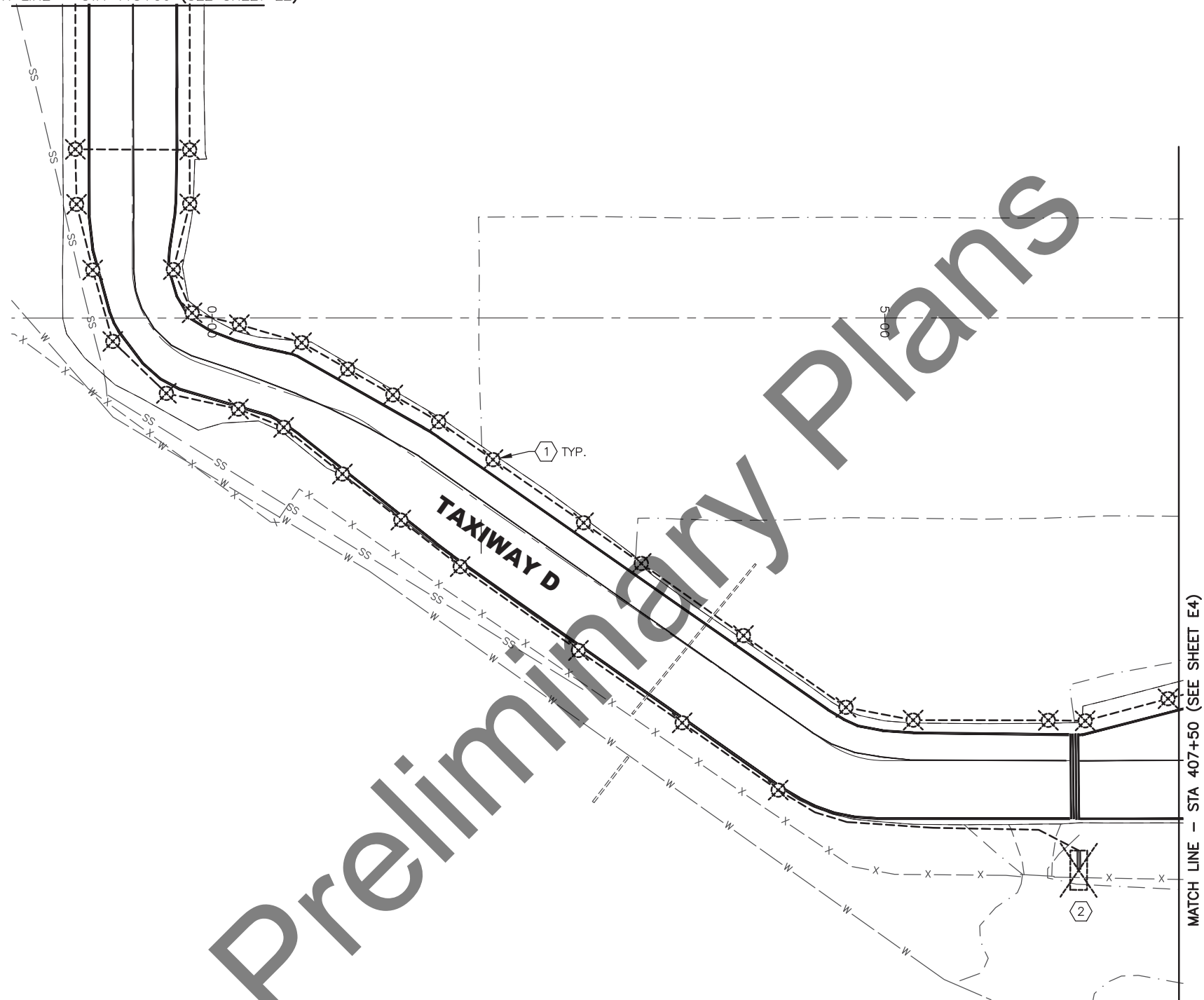
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E2 TW B AND E LIGHTING DEMO PLAN



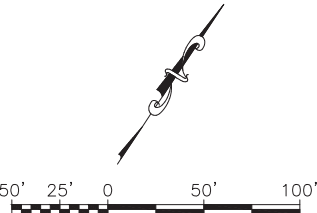
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BY	DATE	REVISION	
STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION 4111 AVIATION AVE., ANCHORAGE ALASKA 99502 PHONE (907) 269-0590		HOMER AIRPORT HOMER, ALASKA AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 TAXIWAY LIGHTING DEMO PLANS	
		DATE:	2/17/2022
		SHEET:	E2 OF E30



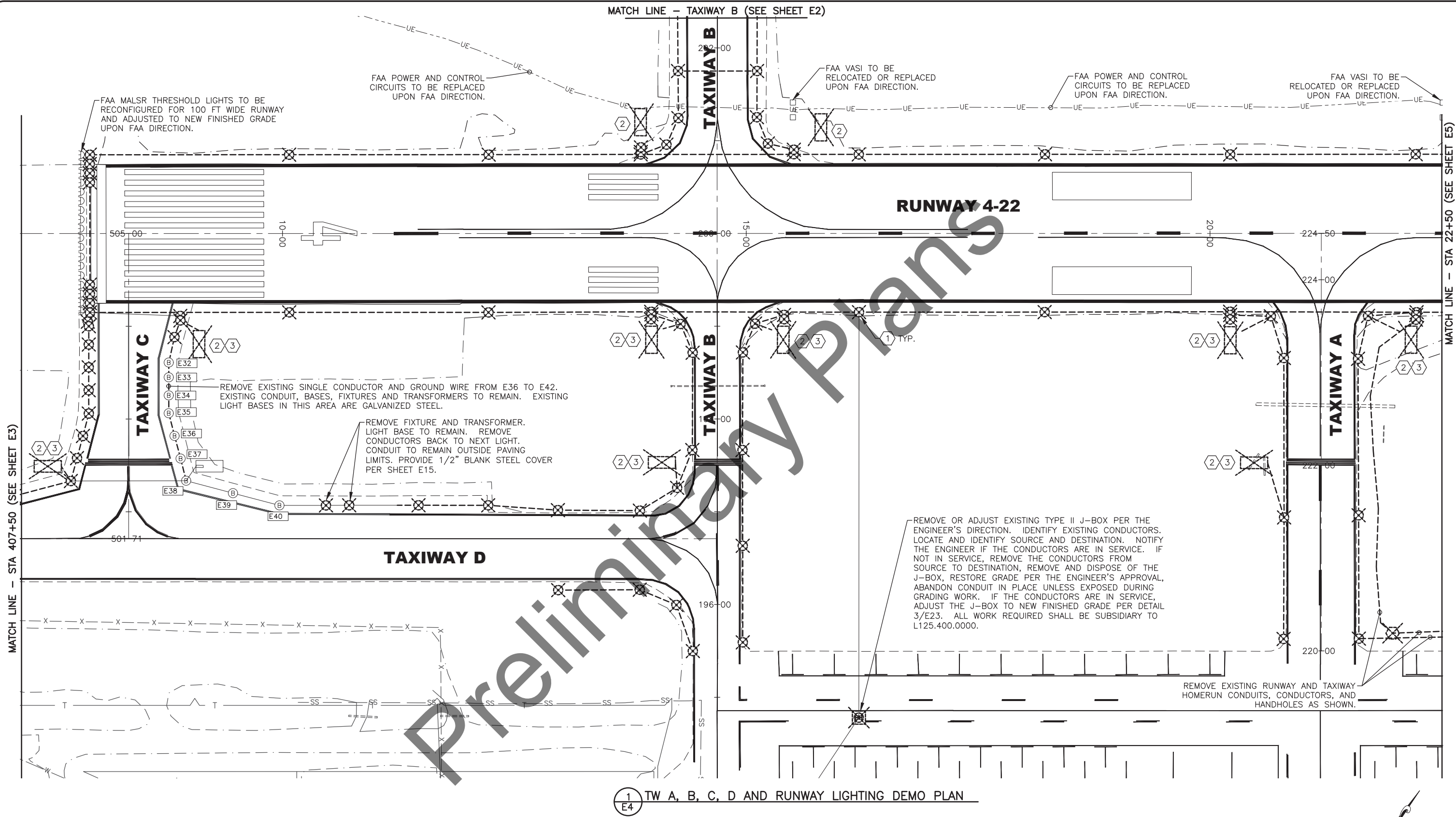
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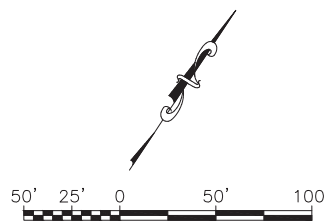
1  
E3 TW D LIGHTING DEMO PLAN



PLANS DEVELOPED BY: MBA CONSULTING ENGINEERS, INC. 3812 SPENARD RD. ANCHORAGE, AK 99517 (907) 274-2622 CERT. OF AUTH. NO. AECC578			
	BY	DATE	REVISION
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HOMER AIRPORT HOMER, ALASKA AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 TAXIWAY D LIGHTING DEMO PLAN			
			DATE: 2/17/2022
			SHEET: E3 OF E30



1  
E4 TW A, B, C, D AND RUNWAY LIGHTING DEMO PLAN



PLANS DEVELOPED BY: MBA CONSULTING ENGINEERS, INC. 3812 SPENARD RD. ANCHORAGE, AK 99517 (907) 274-2622 CERT. OF AUTH. NO. AECC578			STATE OF ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES CENTRAL REGION 4111 AVIATION AVE., ANCHORAGE ALASKA 99502 PHONE (907) 269-0590	HOMER AIRPORT HOMER, ALASKA AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 RUNWAY AND TAXIWAY LIGHTING DEMO PLANS STA 8+00 TO 22+50	DATE: 2/17/2022  SHEET: E4 of E30
	BY	DATE			

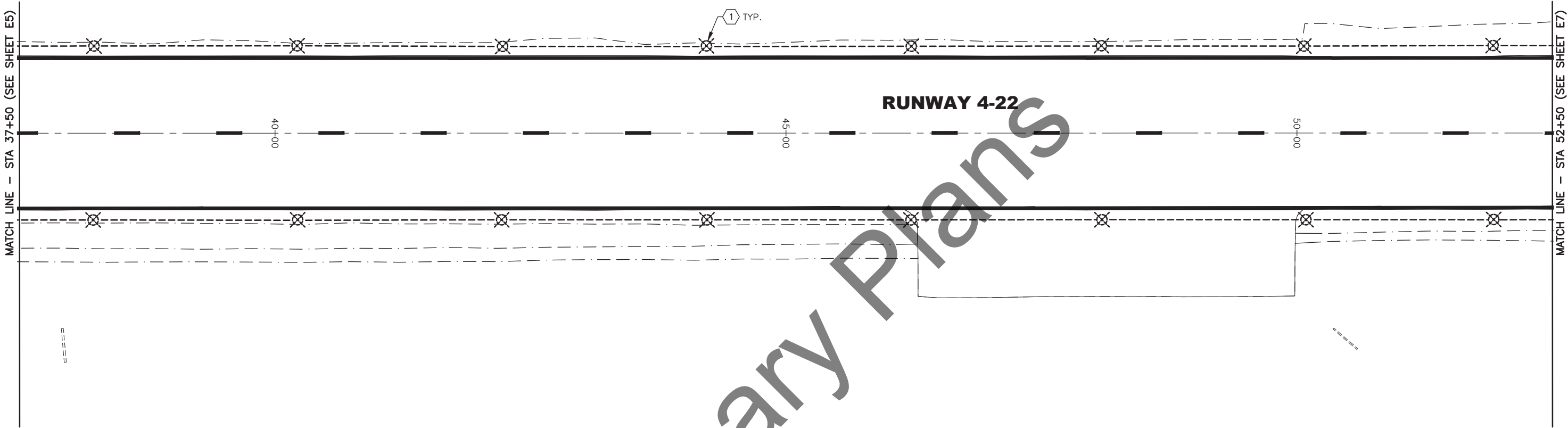


BY	DATE	REVISION

**HOMER AIRPORT**  
**HOMER, ALASKA**  
AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
RUNWAY LIGHTING DEMO PLAN  
STA 22+50 TO 37+50

DATE:  
2/17/2022

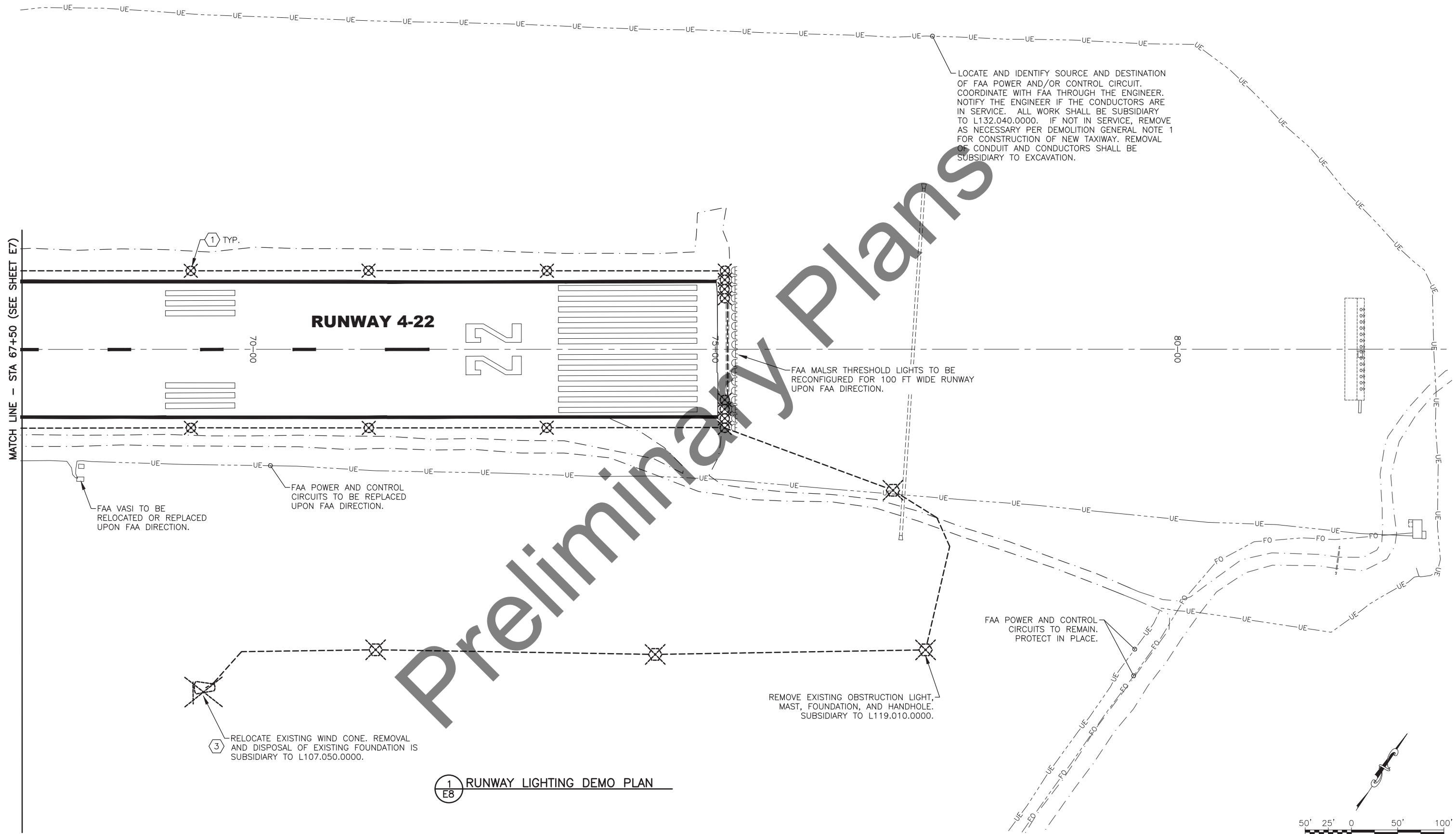
SHEET:  
E5 OF E30



1 RUNWAY LIGHTING DEMO PLAN  
E6







1  
E8 RUNWAY LIGHTING DEMO PLAN

PLANS DEVELOPED BY: MBA CONSULTING ENGINEERS, INC. 3812 SPENARD RD. ANCHORAGE, AK 99517 (907) 274-2622 CERT. OF AUTH. NO. AECC578					
BY	DATE	REVISION			

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

HOMER AIRPORT HOMER, ALASKA AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 RUNWAY LIGHTING DEMO PLAN STA 67+50 TO 80+00	DATE: 2/17/2022
	SHEET: E8 OF E30

PANEL: A2A (EXISTING)

PROJECT: HOMER AIRPORT

LOCATION: ARFF ELEC ROOM

LUGS ☐

CB ☐

SURF ☒

FLSH ☐

THRUFEED ☐

SHNT TRP ☐

SBFD LGS ☐

LGS ☐

SUBFEED BKR ☐

ISO GRND BAR ☐

SOLID NEUTRAL ☐

208/120 VOLTS		3 PH		4 WIRE		400 AMP		10000 AIC	
CIRCUIT DESCRIPTION	KVA	AMP	CKT	CKT	AMP	KVA	CIRCUIT DESCRIPTION		
AIRFIELD LIGHTING CONTROL PANEL	0.1	20/1	1	2	200/				
AIRFIELD RADIO	0.1	20/1	3	4		37.08	PANEL A2B, BOILER 203		
RW 22 OBSTRUCTION LIGHT (1)	0.1	20/1	5	6	/3				
SPACE			7	8	200/				
		30/	9	10		28.13	PANEL A2C, ELECTRICAL 109C		
DRYER, VEHICLE STORAGE 109	6.4	/3	11	12	/3				
			13	14	60/				
RECEPTACLE, 109A	0.36	20/1	15	16		4.16	GENERATOR PANEL A2G		
SPACE			17	18	/3				
GATE MOTOR	6.34	20/	19	20	50/		50 AMP ELECTRICAL WELDER		
		/2	21	22	/3	14.4	NEMA 14-30R, WELD/WORK BENCH		
SECURITY GATE CONTROL	0.2	20/1	23	24	/3		109A		
WATER RESCUE TRAILER, VEHICLE		50/	25	26	30/		30 AMP ELECTRICAL WELDER NEMA		
STORAGE 109	14.4	/3	27	28		9.0	18-30R, WELD/WORK BENCH 109A		
			29	30	/3				
GAS FUEL TANK PUMP	0.696	20/1	31	32	20/1	1.92	WELDER NEMA 5-20R, 109A		
DIESEL FUEL TANK PUMP	0.696	20/1	33	34	20/1	0.3	FUME HOOD LIGHTING, 109A		
TP-1, TOILET 105	0.036	15/1	35	36			SPACE		
TP-2A, FIRE PUMP 107	0.028	20/1	37	38			SPACE		
SPACE			39	40			SPACE		
SPACE			41	42			SPACE		
SPACE			43	44			SPACE		
SPACE			45	46			SPACE		
SPACE			47	48			SPACE		
CONNECTED LOAD:	XX	KVA	XX	A	REMARKS:				
DEMAND LOAD:	XX	KVA	XX	A	(1) NEW CB, NEW LOAD				
DEMAND + CONT.	XX	KVA	XX	A					
DATE:									
REV:									

PANEL: A4C

PROJECT: HOMER AIRPORT

LOCATION: ARFF ELEC ROOM

LUGS ☐

CB ☐

SURF ☒

FLSH ☐

THRUFEED ☐

SHNT TRP ☐

SBFD LGS ☐

LGS ☐

SUBFEED BKR ☐

ISO GRND BAR ☐

SOLID NEUTRAL ☐

480/277 VOLTS

3 PH

4 WIRE

100 AMP

14000 AIC

CIRCUIT DESCRIPTION	KVA	AMP	CKT	CKT	AMP	KVA	CIRCUIT DESCRIPTION
TAXIWAY CONSTANT CURRENT	10.56	1.43	1	2	20/1	1.19	LIGHTING, 203, 204, 201, 202
REGULATOR, ELECTRICAL 108		/2	3	4	20/1	0.588	SECOND FLOOR EXTERIOR LIGHTING
RUNWAY CONSTANT CURRENT	10.56	30/	5	6	20/1	0.174	FIRST FLOOR EXTERIOR LIGHTING
REGULATOR, ELECTRICAL 108 (1)		/2	7	8			SPACE
ZONE ONE LIGHTING, 109	1.43	20/1	9	10	20/1	1.76	LIGHTING
ZONE TWO LIGHTING, 109	1.42	20/1	11	12			SPACE
ZONE THREE LIGHTING, 109	1.43	20/1	13	14			SPACE
SPACE			15	16			SPACE
SPACE			17	18			SPACE
SPACE			19	20			SPACE
SPACE			21	22			SPACE
SPACE			23	24			SPACE
CONNECTED LOAD:	XX	KVA	XX	A	REMARKS:		
DEMAND LOAD:	XX	KVA	XX	A	(1) REPLACE EXISTING 60/2 CB WITH NEW 30/2 CB		
DEMAND + CONT.	XX	KVA	XX	A			
DATE:							
REV:							

SHEET NOTES:

- 1
- CONNECT NEW CONDUIT TO EXISTING JUNCTION BOX, LIGHT BASE, OR HANDHOLE USING LISTED DEVICES. CONNECTION TO EXISTING CONDUIT SHALL BE WELDED.
- 2
- CONNECT NEW #8 5KV AIRPORT CABLES AND #6 BCU TO EXISTING CONDUCTORS FOR CONTINUATION OF THE CIRCUIT. PROVIDE NEW NEOPRENE GASKET AND SEAL WASHERS.
- 3
- DRYWELL, SEE DETAIL 1/E23. LOCATE OUTSIDE OF PAVED SHOULDER. DRYWELL PAID UNDER ITEM L110.240.0000 AND CONDUIT TO DRYWELL PAID UNDER ITEM L110.080.1002.
- 4
- RE-INSTALL EXISTING SIGN ON NEW CONCRETE BASE.
- 5
- NEW SIGN ON NEW CONCRETE BASE.
- 6
- RE-INSTALL EXISTING SUPPLEMENTAL WIND CONE ON NEW BASE.

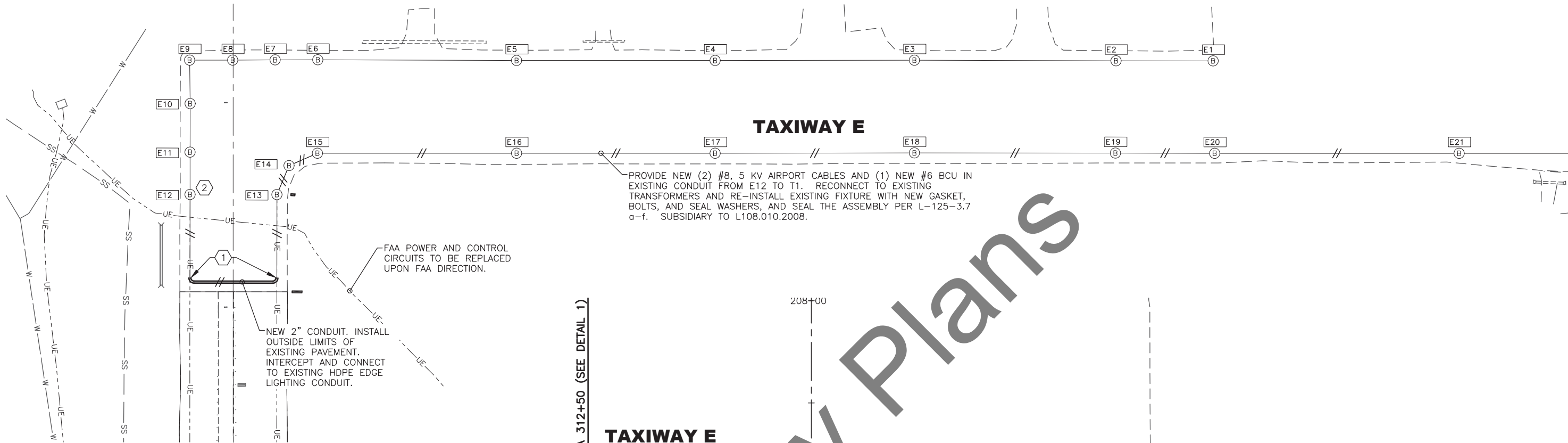
GENERAL NOTES:

1.
- CONDUITS AND LIGHT BASES SHALL BE INSTALLED PRIOR TO PLACEMENT OF FINISH COURSE.
2.
- AIRFIELD LIGHTING CABLE SHALL BE #8 AWG, 5kv, FAA TYPE "C" AIRPORT CABLE.
3.
- CONNECT HDPE CONDUIT TO DISSIMILAR CONDUIT USING A LISTED TRANSITION FITTING.
4.
- PROVIDE LIGHT BASES WITH HUB CONFIGURATIONS TO ACCOMMODATE THE LAYOUT AS SHOWN IN THE PLANS. ROUTE CONDUIT FROM POINT TO POINT, IN A STRAIGHT LINE, EXCEPT AS REQUIRED TO AVOID AN OBSTRUCTION.
5.
- ALL BOLTS, NUTS, AND THREADED SURFACES SHALL BE COATED WITH ANTI-SEIZE LUBRICANT PER SPECIFICATIONS.
6.
- ARRANGE THE LIGHTING CIRCUIT TO FLOW CLOCKWISE AROUND THE RUNWAY AND TAXIWAY WITH THE FEMALE CONNECTOR ON THE REGULATOR SIDE OF THE TRANSFORMER. SEE SHEET E26.
7.
- ALL TRANSFORMER CONNECTIONS SHALL BE MADE ON THE FEED SIDE OF THE SERIES LOOP. RETURN AND LOOP CONDUCTORS SHALL BE CONTINUOUS AND UNSPLICED.
8.
- PROVIDE LIGHTNING PROTECTION COUNTERPOISE FOR ALL RUNWAY AND TAXIWAY LIGHTING CIRCUITS PER DETAIL 6/E24. #6 AWG BARE COPPER WIRE IS PAID UNDER ITEM L108.030.0006, GROUND RODS ARE PAID UNDER ITEM L108.070.0000.
9.
- HAND HOLE LOCATIONS MAY BE FIELD ADJUSTED AS APPROVED BY THE ENGINEER.
10.
- CONDUIT ROUTING SHOWN FOR CLARITY. ROUTE CONDUITS ON SHOULDER. CONDUITS THAT RUN IN CLOSE PROXIMITY MAY BE INSTALLED IN SAME TRENCH.
11.
- CONTRACTOR SHALL PROVIDE A LIST OF PROPOSED SPARE PARTS AND THE COST FOR EACH CATEGORY TO THE ENGINEER FOR REVIEW PRIOR TO PLACING THE ORDER FOR THE PARTS. QUANTITIES SHALL BE REDUCED IF NECESSARY UNTIL THE COSTS ARE WITHIN THE LIMITS OF THE FAA REQUIREMENTS. SEE SECTION L-125 FOR ADDITIONAL INFORMATION.
12.
- EDGE LIGHTS TO REMAIN IN SERVICE OUTSIDE CONSTRUCTION LIMITS, SEE CONSTRUCTION SAFETY AND PHASING PLANS. PROVIDE AND MAINTAIN TEMPORARY JUMPERS AS REQUIRED: #8, 5KV AIRPORT CABLE IN HDPE CONDUIT. SAND BAG 10 FEET ON CENTER WITH 50 LB SAND BAGS.
13.
- SLOPE CONDUITS TO DRAIN TO LOW SPOT. WHERE SHOWN, INSTALL 2" CONDUIT DRAIN FROM LIGHT BASE OR HANDHOLE TO LOCATION APPROVED BY THE ENGINEER.
14.
- INSTALL 2" CONDUIT DRAINS TO DRYWELL WHERE INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONDUIT SHALL BE PAID UNDER ITEM L110.080.1002, DRYWELL SHALL BE PAID UNDER ITEM L110.240.0000. SEE DETAIL 1/E23 AND SECTION L-110.
15.
- CONDUCTORS OF SEPARATE CIRCUITS SHALL BE IDENTIFIED BY COLORABLE INSULATION. THE COLORS GREEN AND WHITE SHALL NOT BE USED TO IDENTIFY SERIES CIRCUITS. COLOR SHALL RUN COMPLETELY THROUGH INSULATION. RUNWAY = BLACK, TAXIWAY = BLUE.

PLANS DEVELOPED BY: MBA CONSULTING ENGINEERS, INC. 3812 SPENARD RD. ANCHORAGE, AK 99517 (907) 274-2622 CERT. OF AUTH. NO. AECC578			
	BY	DATE	REVISION

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

HOMER AIRPORT HOMER, ALASKA AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 LIGHTING NOTES	DATE: 2/17/2022
	SHEET:
	E9 of E30

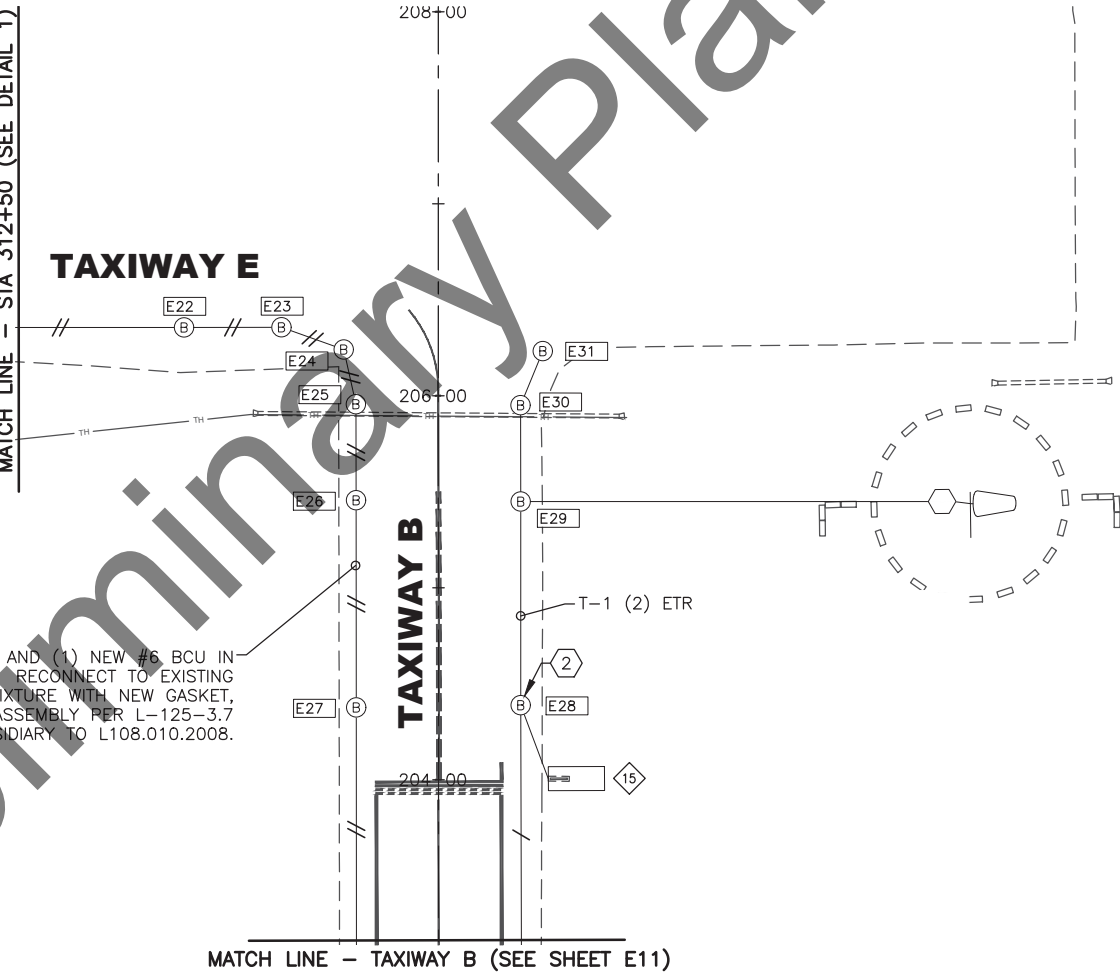


1 TW E LIGHTING PLAN

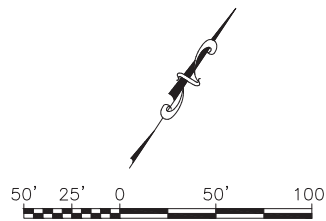
PROVIDE NEW (2) #8, 5 KV AIRPORT CABLES AND (1) NEW #6 BCU IN EXISTING CONDUIT FROM E12 TO T1. RECONNECT TO EXISTING TRANSFORMERS AND RE-INSTALL EXISTING FIXTURE WITH NEW GASKET, BOLTS, AND SEAL WASHERS, AND SEAL THE ASSEMBLY PER L-125-3.7 a-f. SUBSIDIARY TO L108.010.2008.

TAXIWAY E

MATCH LINE - STA 312+50 (SEE DETAIL 1)

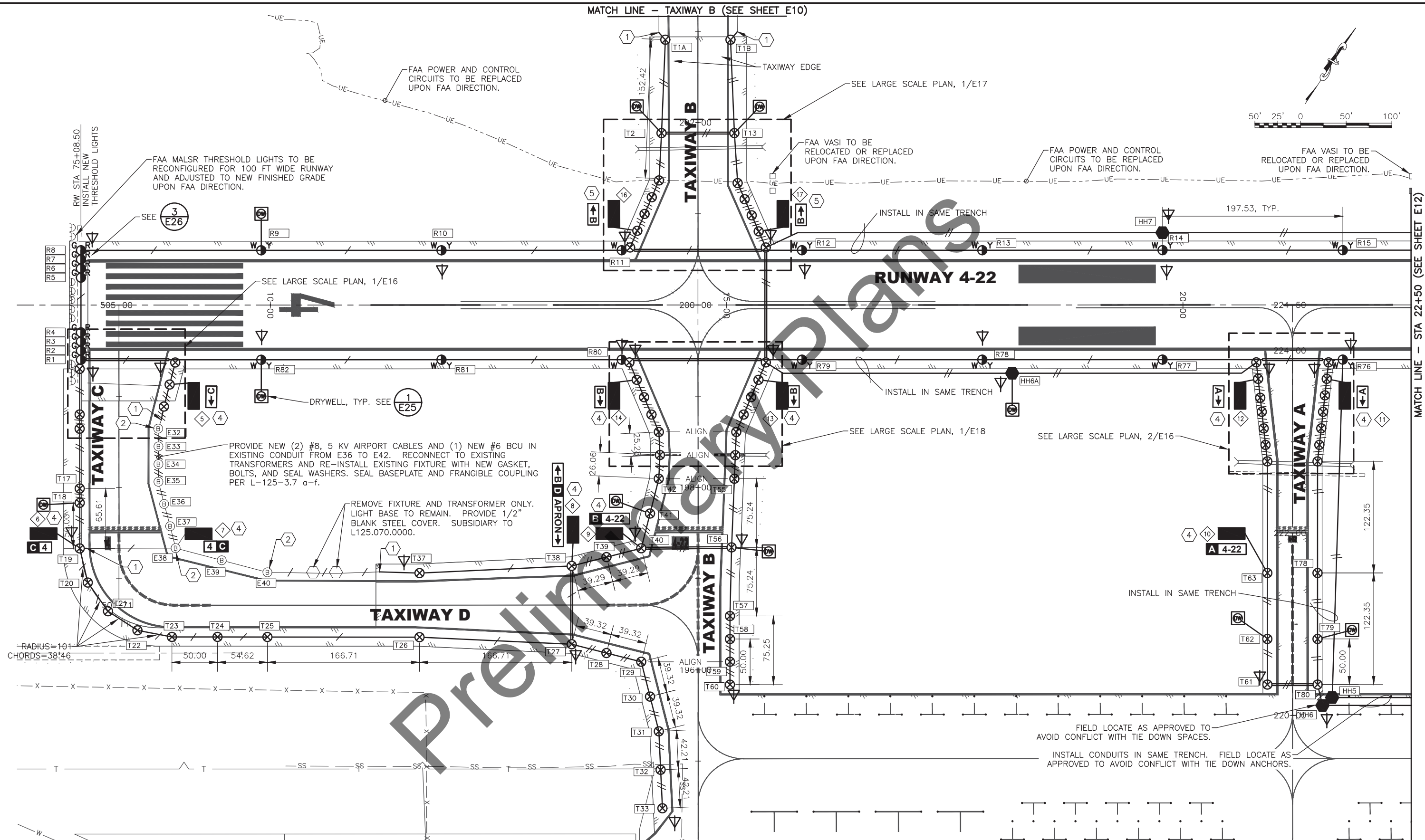


2 TW B AND E LIGHTING PLAN



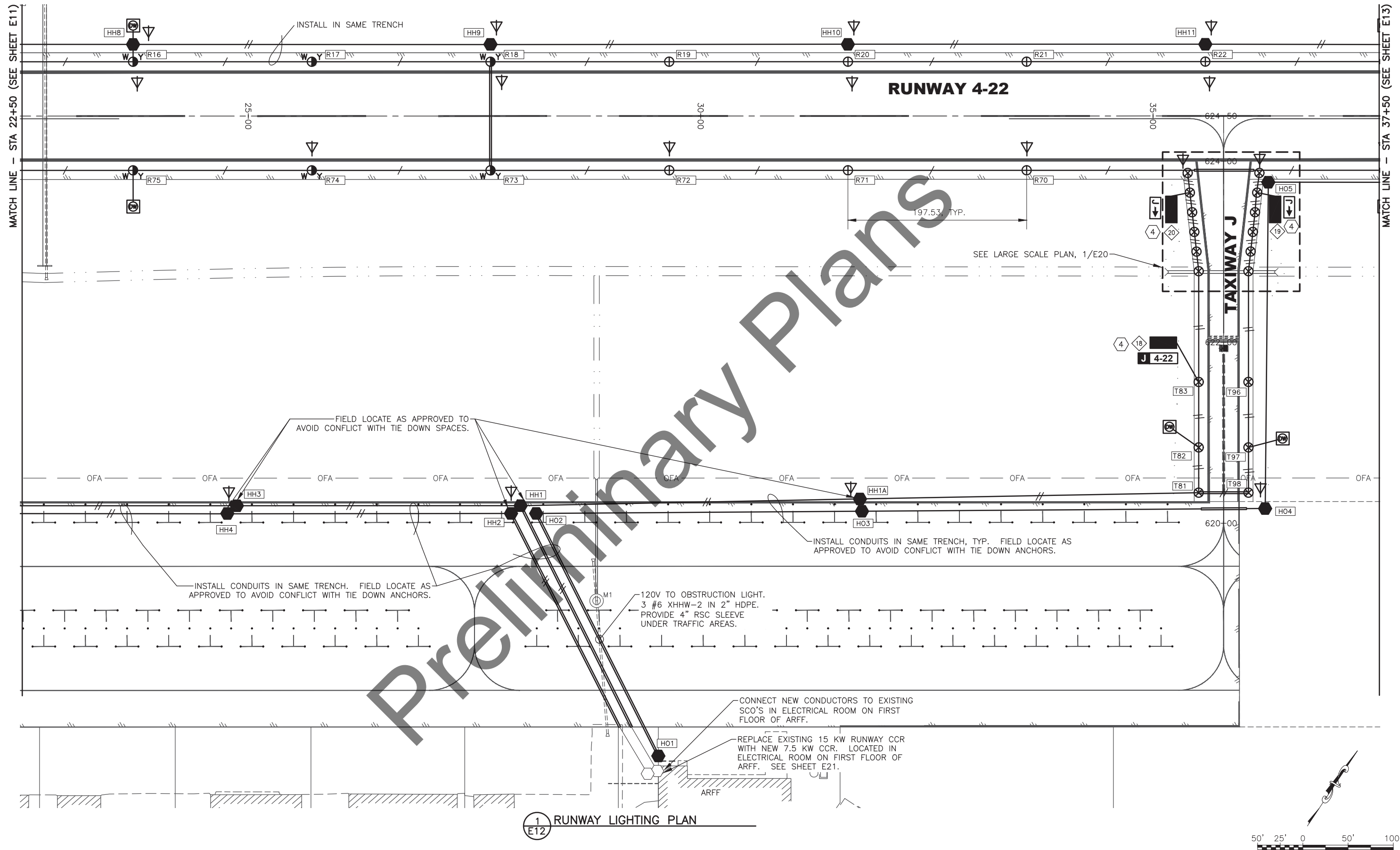


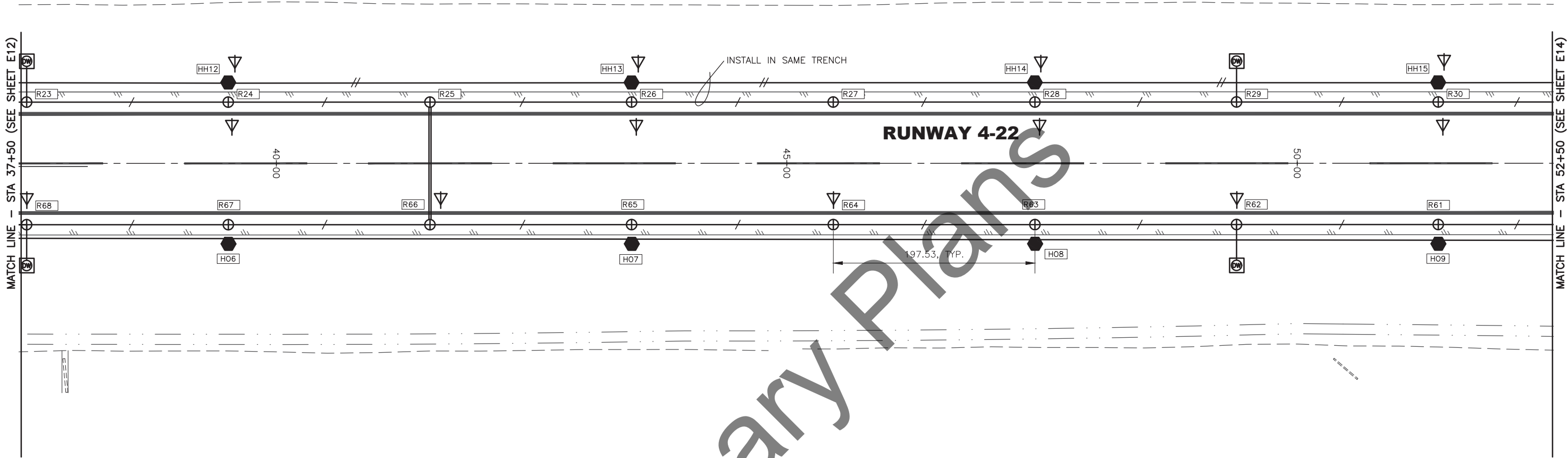
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Checked By: EDC



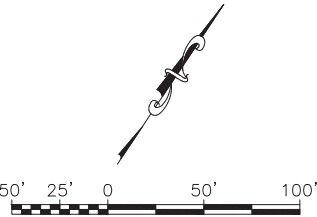
1  
E11 TW A, B, C, D AND RUNWAY LIGHTING PLAN

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BY			DATE			REVISION		SHEET: E11 of E30

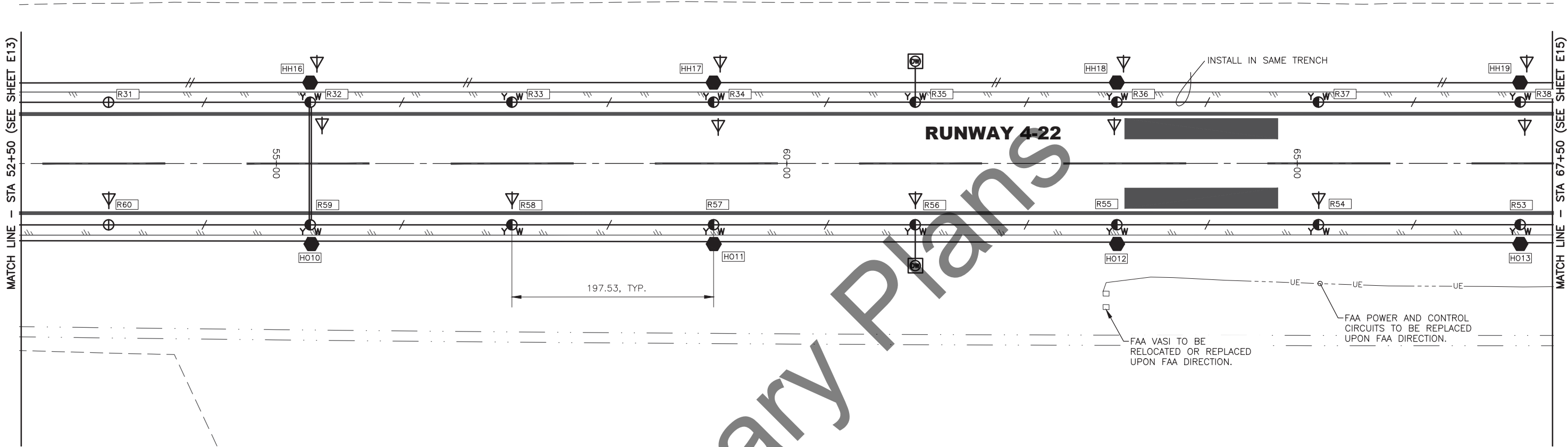




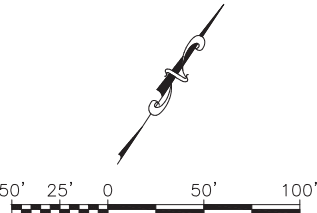
1 RUNWAY LIGHTING PLAN  
E13



PLANS DEVELOPED BY: MBA CONSULTING ENGINEERS, INC. 3812 SPENARD RD. ANCHORAGE, AK 99517 (907) 274-2622 CERT. OF AUTH. NO. AECC578			
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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			
HOMER AIRPORT HOMER, ALASKA AIRPORT IMPROVEMENTS PROJECT No. CFAP00491 AIP No. 3-02-0122-020-2022 RUNWAY LIGHTING PLAN STA 37+50 TO 52+50			
DATE: 2/17/2022			SHEET: E13 of E30

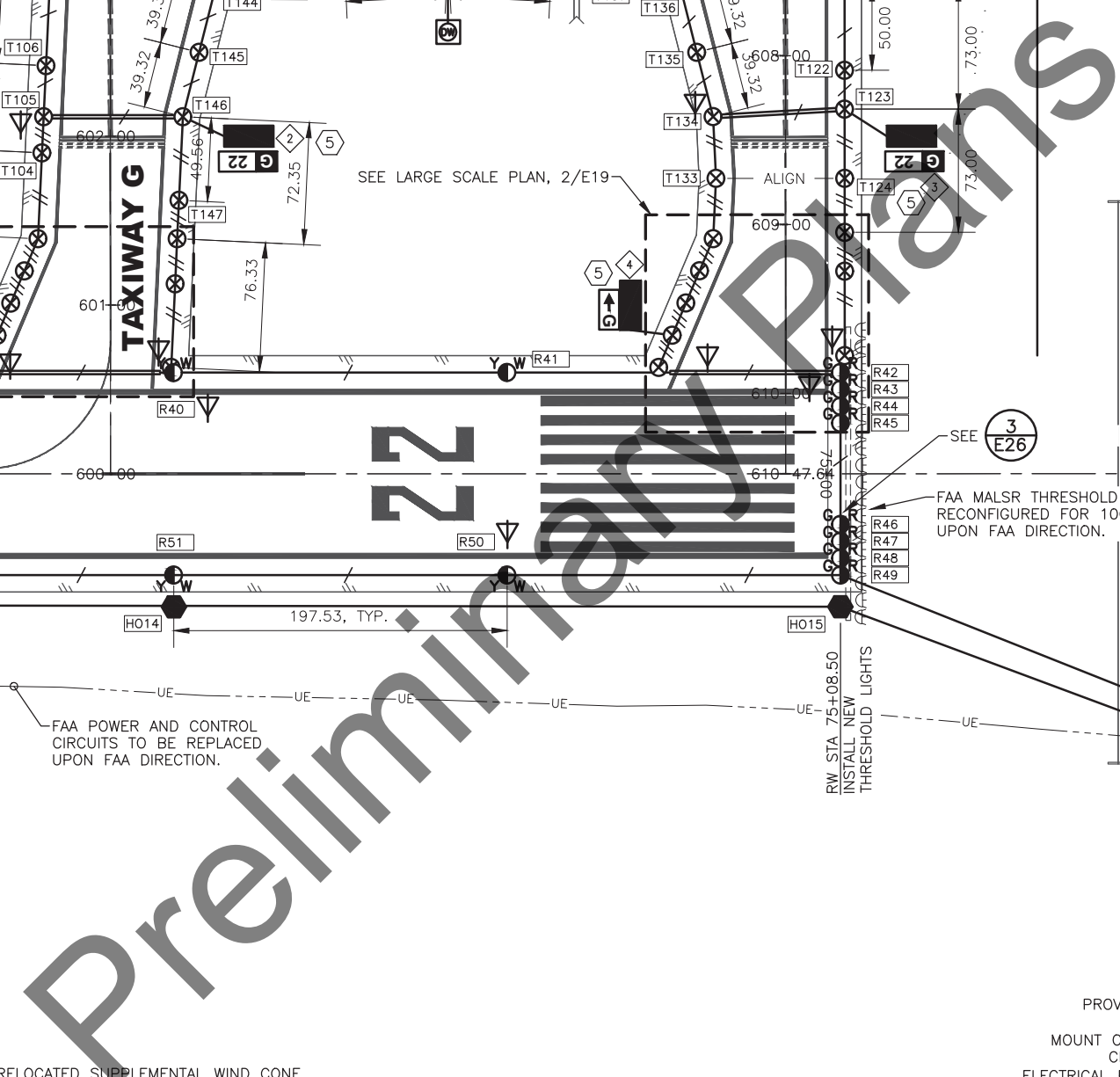


1 RUNWAY LIGHTING PLAN  
E14

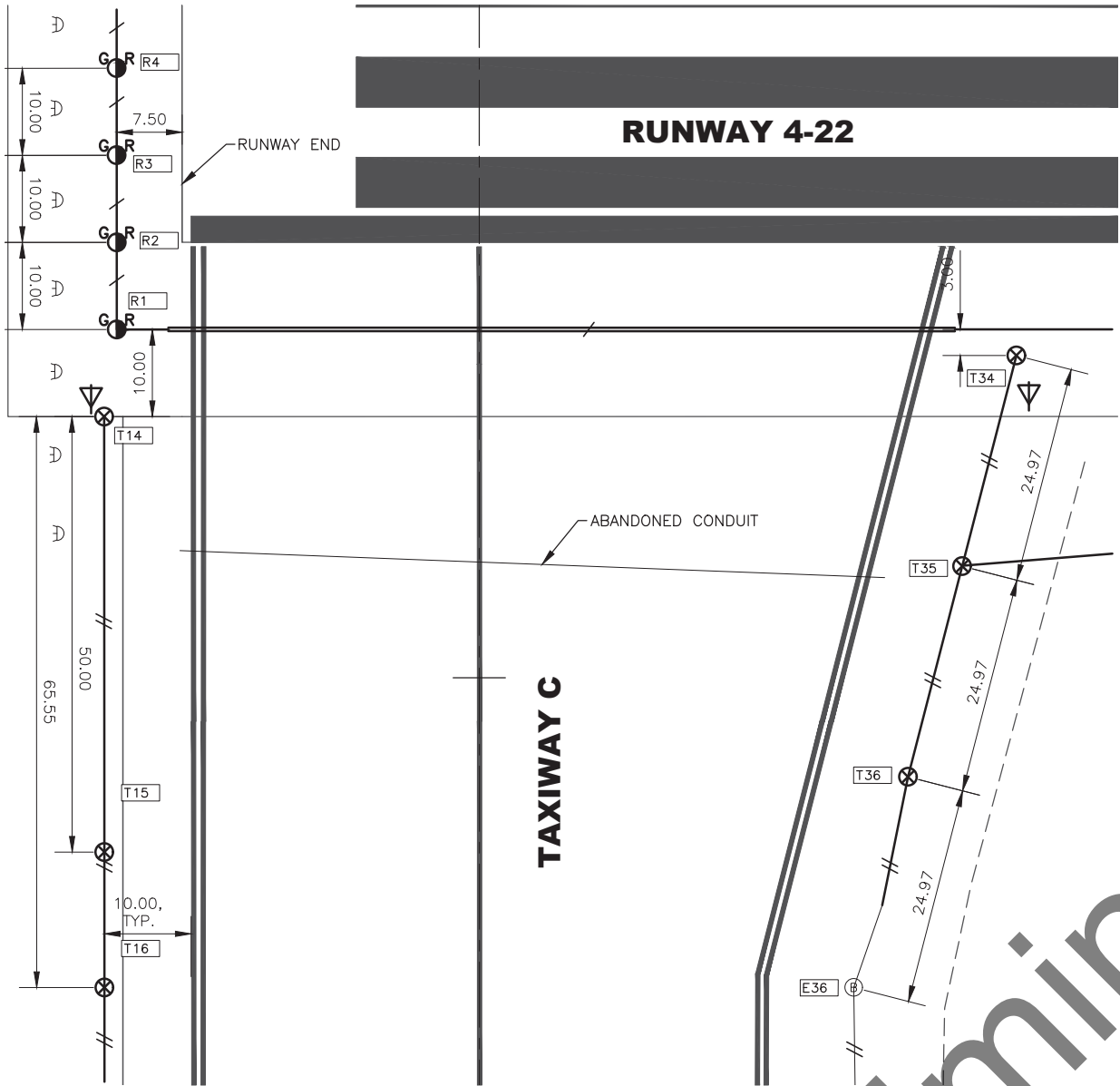


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		DATE:	2/17/2022
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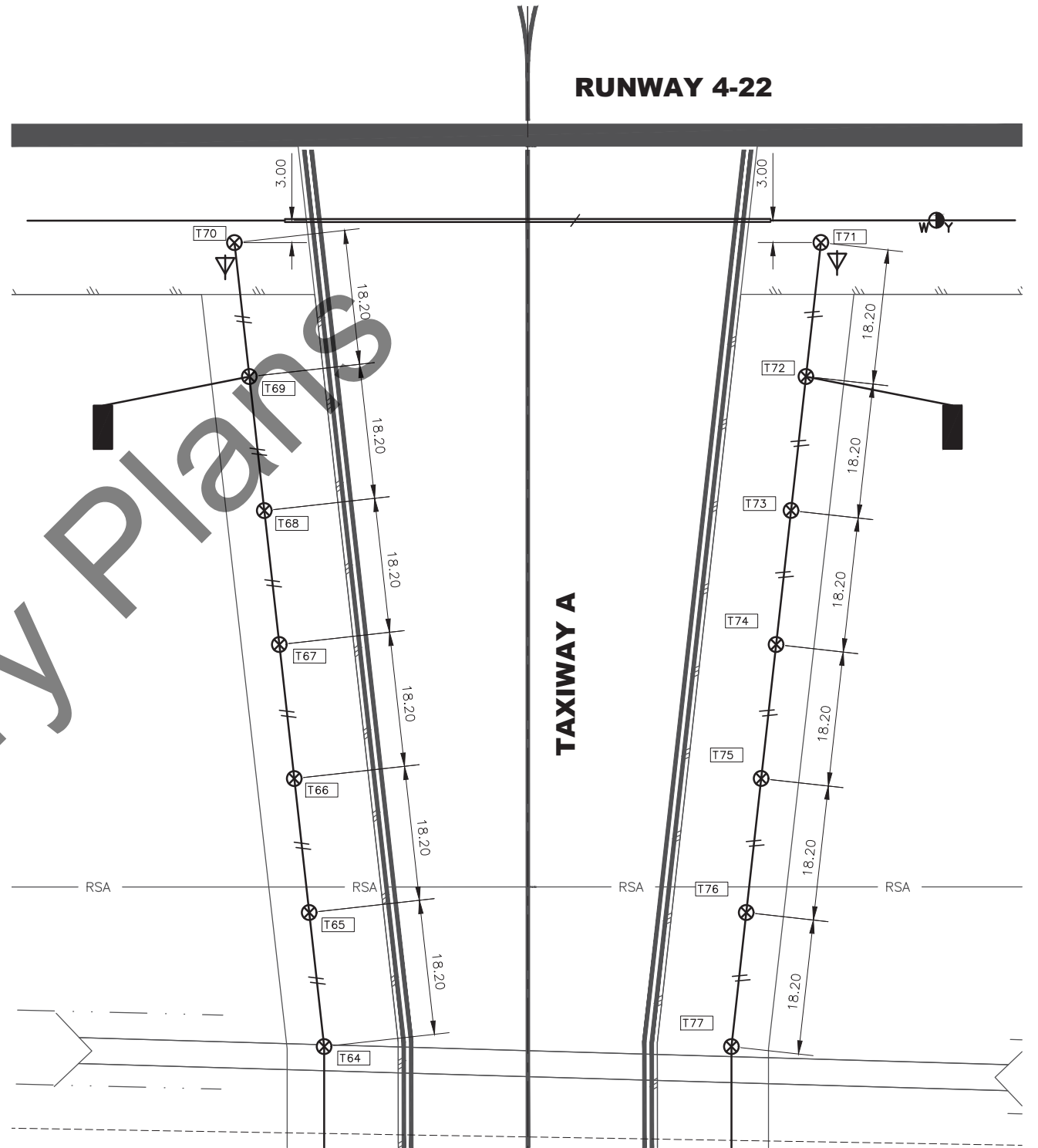




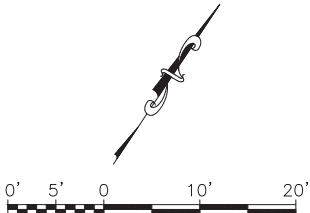
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						SHEET:	E15 of E30
	BY	DATE	REVISION				



1 LARGE SCALE LIGHTING PLAN – TW C



2 LARGE SCALE LIGHTING PLAN – TW A



Date Revised: 2/17/2022, 8:52 PM

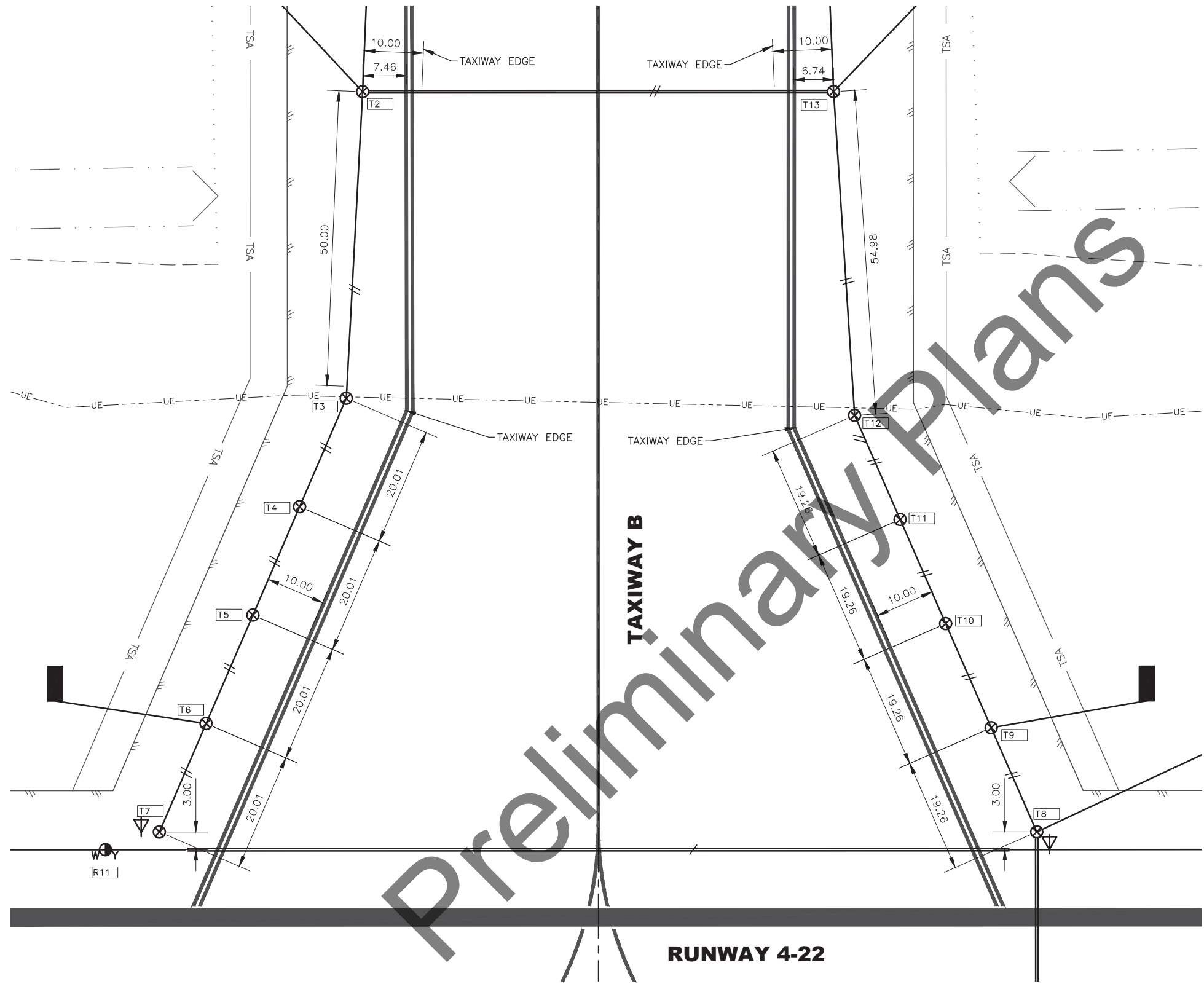
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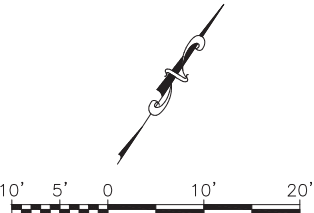
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Drawn By: DMH

Checked By: EDC



1  
E17 LARGE SCALE LIGHTING PLAN – TW B NORTH



PLANS DEVELOPED BY: MBA CONSULTING ENGINEERS, INC. 3812 SPENARD RD. ANCHORAGE, AK 99517 (907) 274-2622 CERT. OF AUTH. NO. AECC578			
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		SHEET:	E17 of E30

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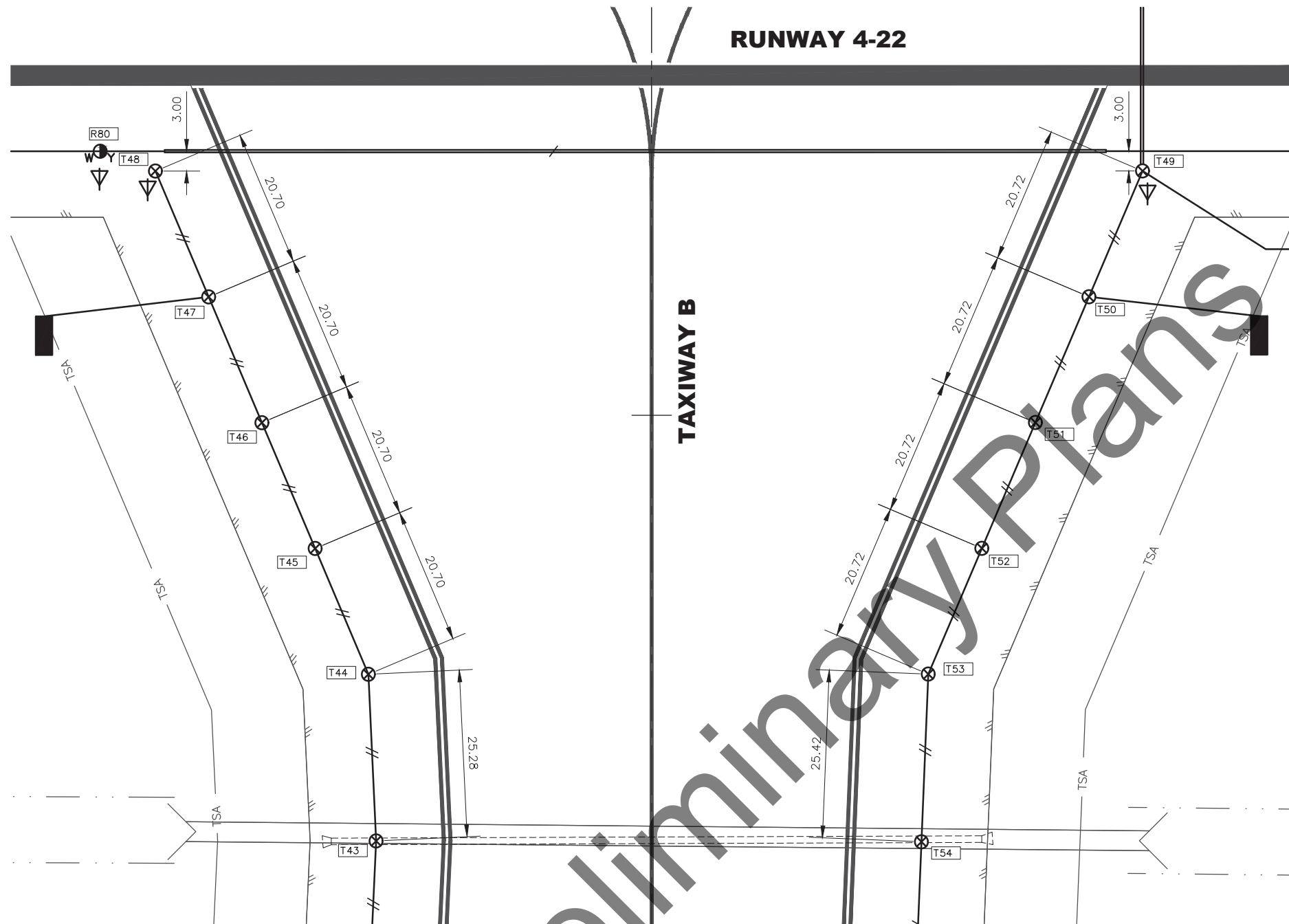
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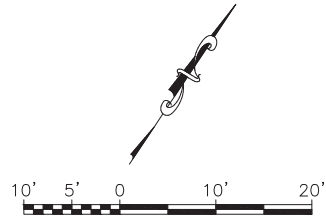
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Checked By: EDC

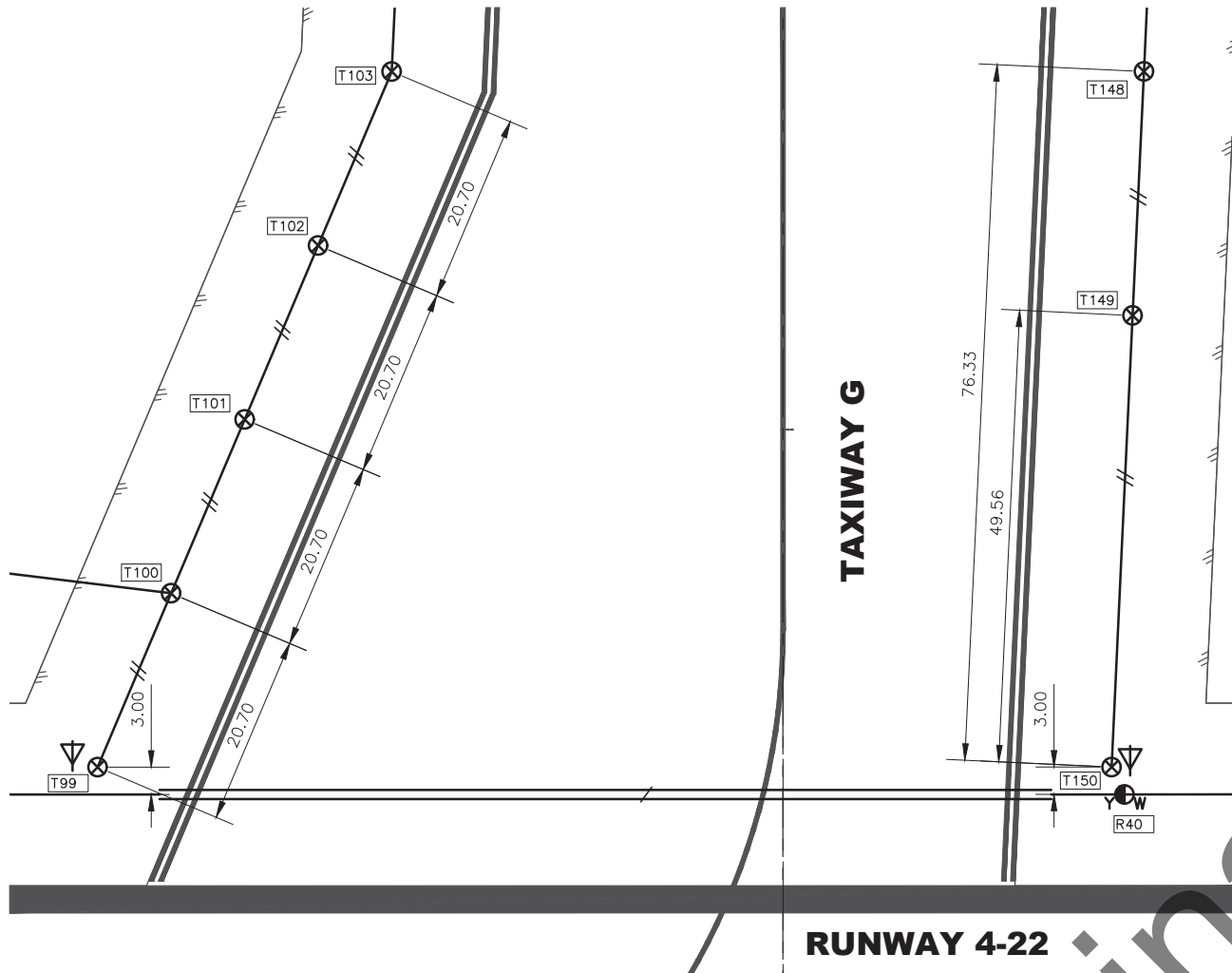


1 LARGE SCALE LIGHTING PLAN – TW B SOUTH  
E18

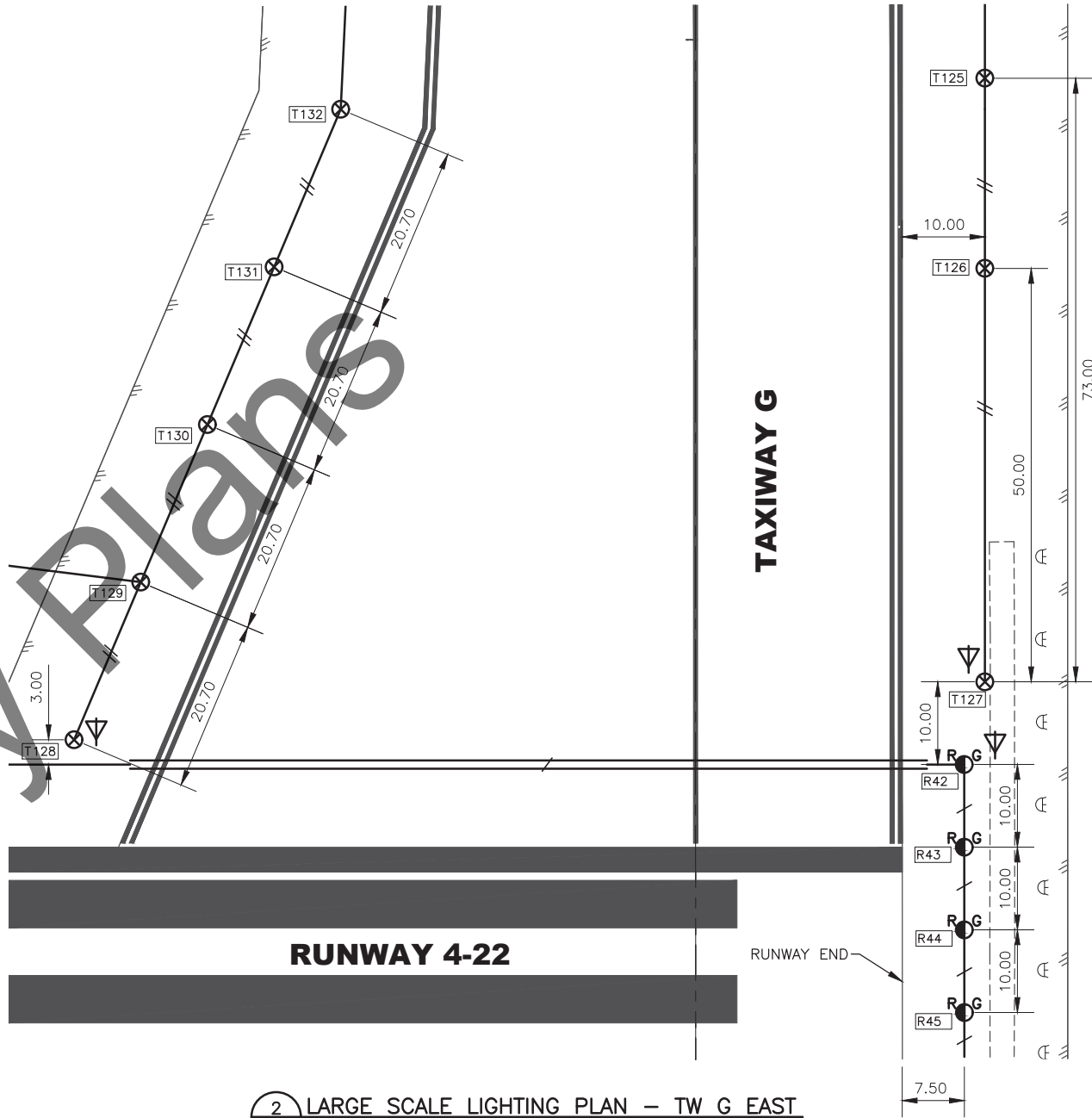


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		DATE:	2/17/2022
		SHEET:	E18 of E30



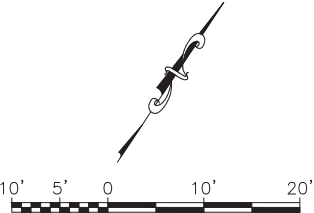


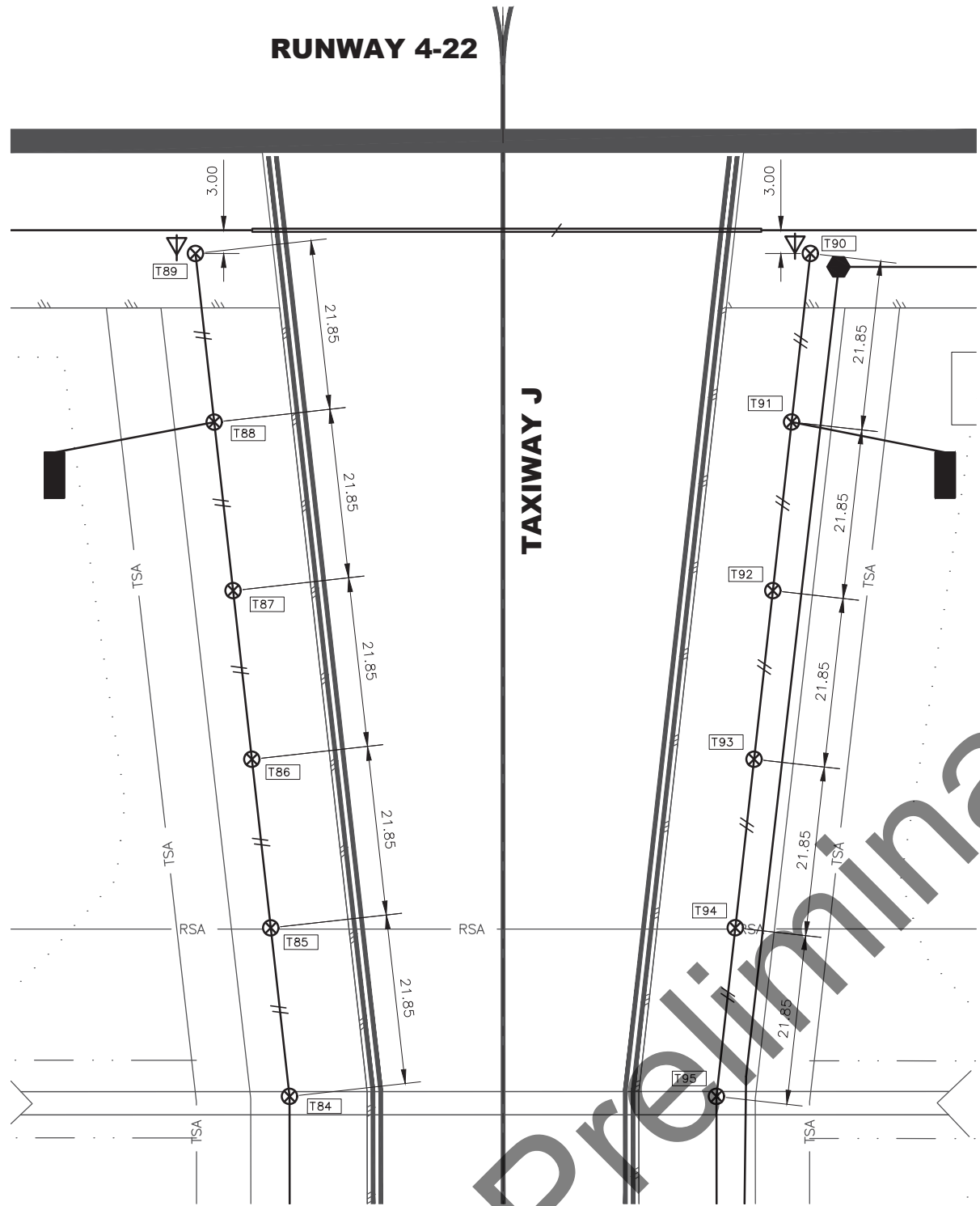
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E19  
LARGE SCALE LIGHTING PLAN – TW G WEST



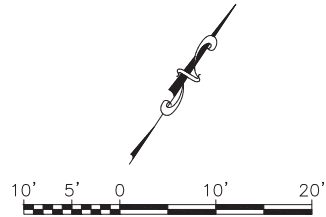
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LARGE SCALE LIGHTING PLAN – TW G EAST

Preliminary Plans

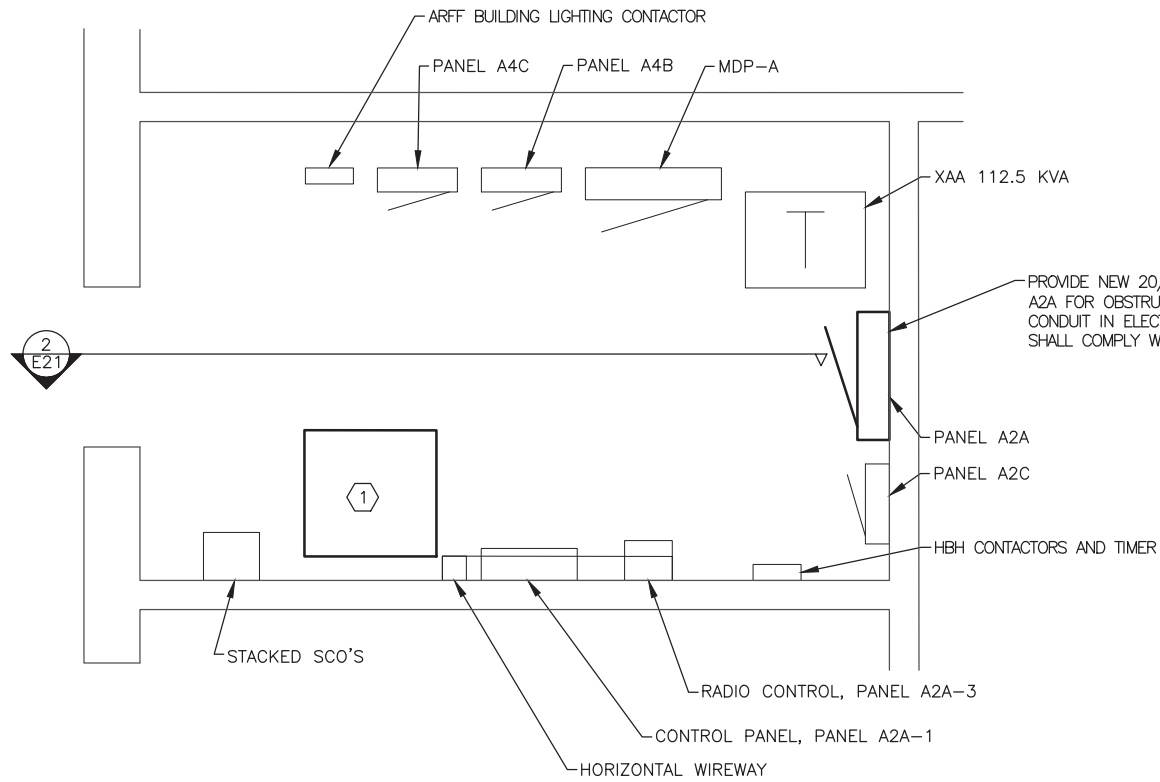




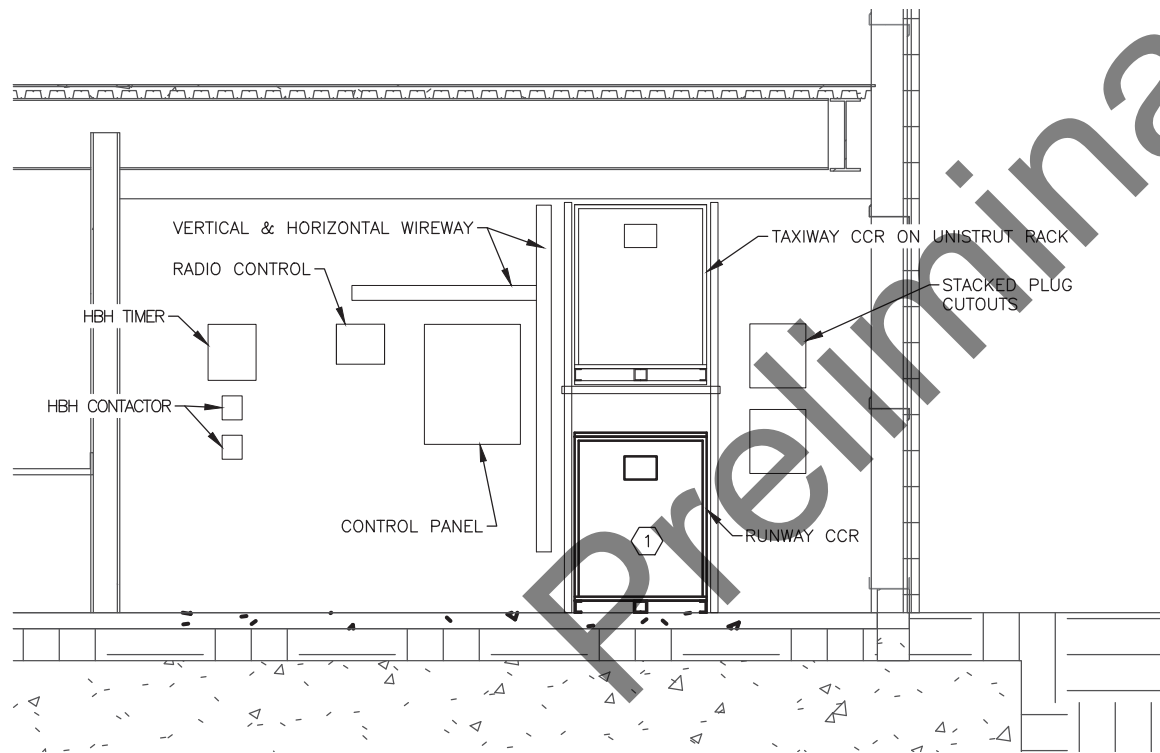
1 LARGE SCALE LIGHTING PLAN - TW J  
W20



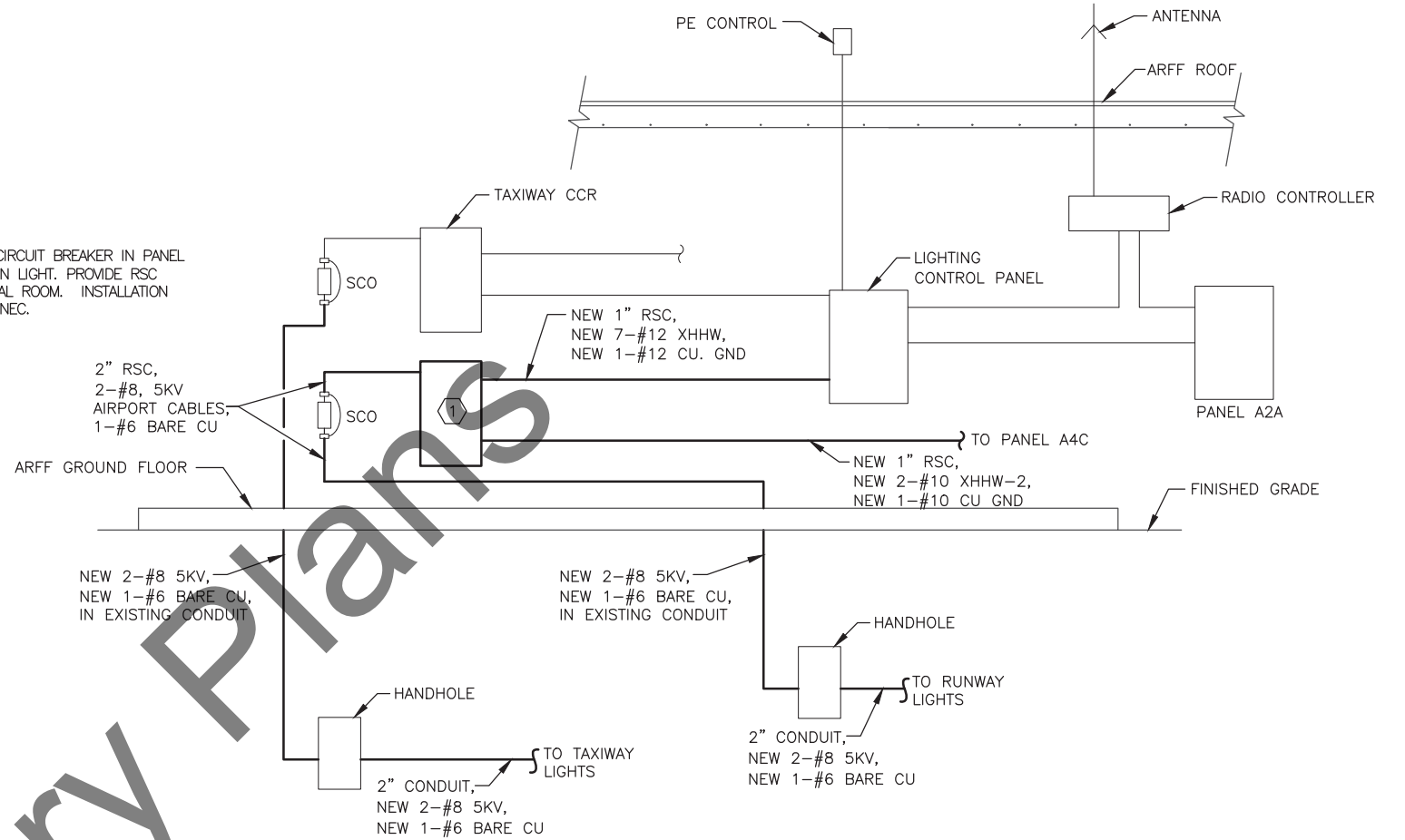
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		DATE:	2/17/2022
		SHEET:	E20 of E30



1 ARFF ELECTRICAL ROOM PLAN  
E21 NTS



2 ARFF ELECTRICAL ROOM ELEVATION  
E21 NTS



3 RUNWAY LIGHTING ONE LINE DIAGRAM  
E21 NTS

GENERAL NOTES:

- ALL EQUIPMENT, CONDUIT, AND CONDUCTORS ARE EXISTING TO REMAIN EXCEPT AS NOTED.

SHEET NOTES:

- REMOVE EXISTING RUNWAY CCR. PROVIDE NEW 7.5 KW CCR, 480 V, SINGLE PHASE, CLASS 1, STYLE 2 WITH DIGITAL POWER METER TO INDICATE TRUE RMS OUTPUT CURRENT, VOLTAGE, VA, AND WATTS. PROVIDE NEW CONDUIT AND CONDUCTORS AS SHOWN. CONNECT TO EXISTING LIGHTING CONTROL PANEL PER MANUFACTURER'S INSTRUCTIONS. MATCH EXISTING CONTROL SEQUENCE.

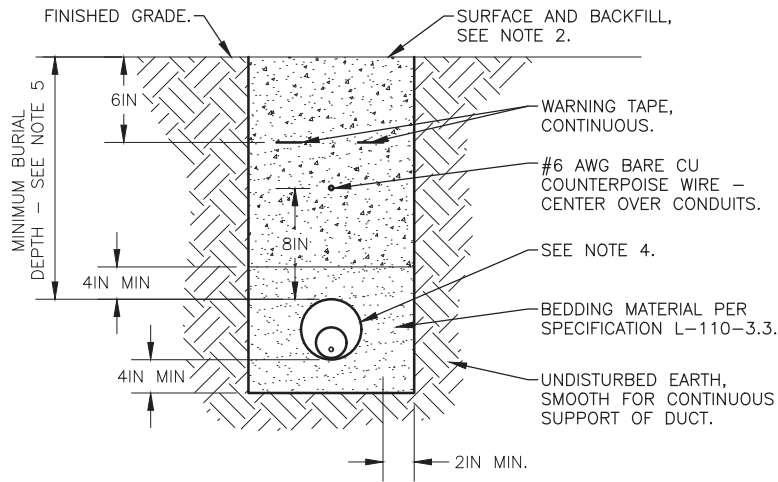
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3812 SPENARD RD.  
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(907) 274-2622  
CERT. OF AUTH. NO. AECC578

BY	DATE	REVISION
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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

HOMER AIRPORT  
HOMER, ALASKA  
AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
ARFF ELECTRICAL ROOM PLAN AND  
DETAILS

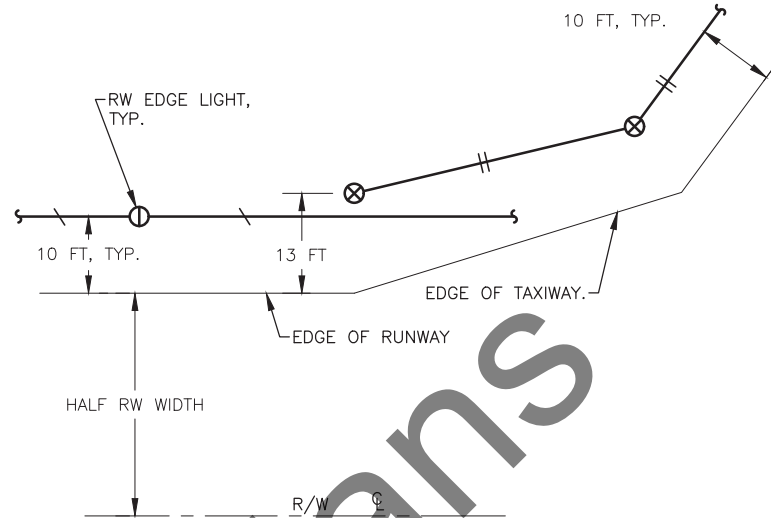
DATE:  
2/17/2022  
SHEET:  
E21 OF E30



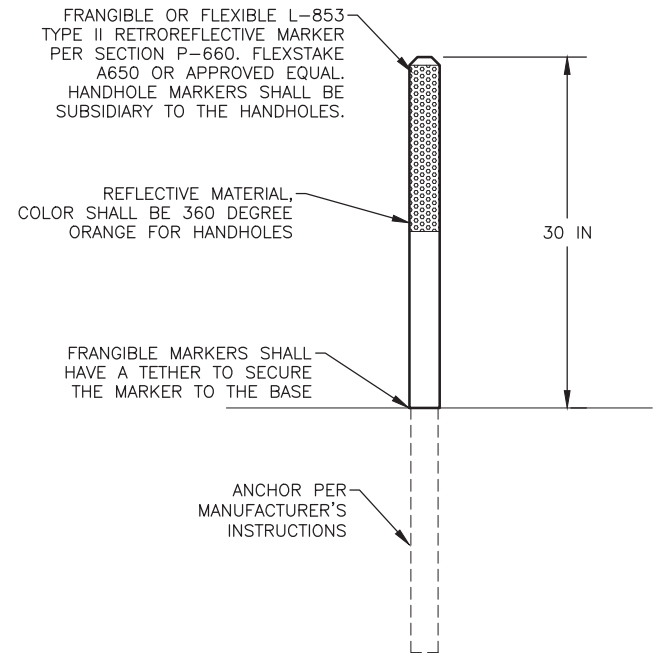
1  
E22  
NTS  
CONDUIT CROSSING DETAIL

DETAIL 1 NOTES:

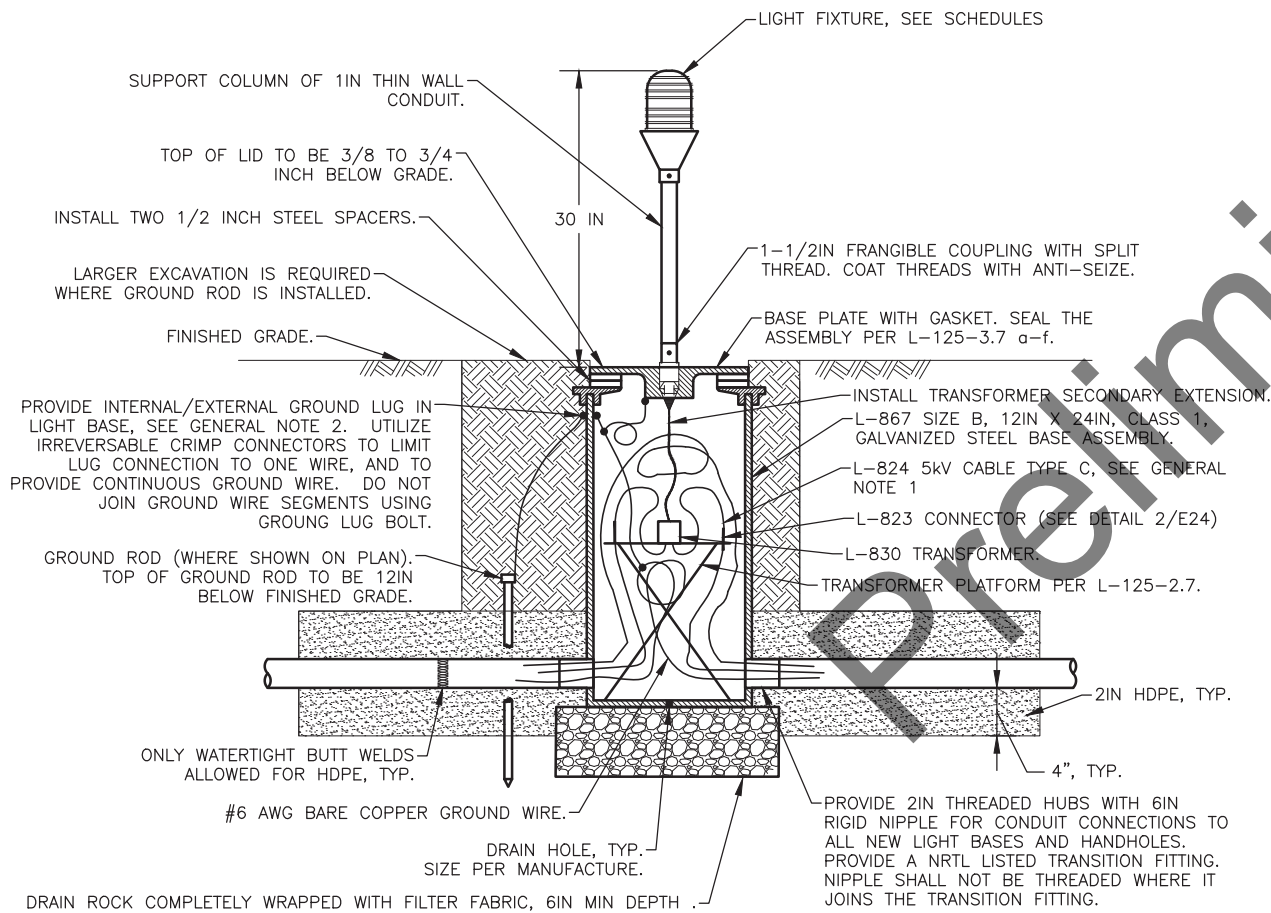
1. WIDTH OF TRENCH SHALL BE MINIMUM 12".
2. IN AREAS OF NEW CONSTRUCTION, SEE CIVIL FOR SURFACING AND BACKFILL. IN EXISTING AREAS, MATCH EXISTING SURFACING AND BACKFILL.
3. SEPARATION BETWEEN CONDUITS SHALL BE 4IN MINIMUM FOR LIGHTING SYSTEMS, 12 IN MINIMUM BETWEEN LIGHTING AND FAA SYSTEMS.
4. 2IN HDPE THROUGH A 4IN RSC SLEEVE, TYP.
5. MINIMUM BURIAL DEPTH SHALL BE 18".



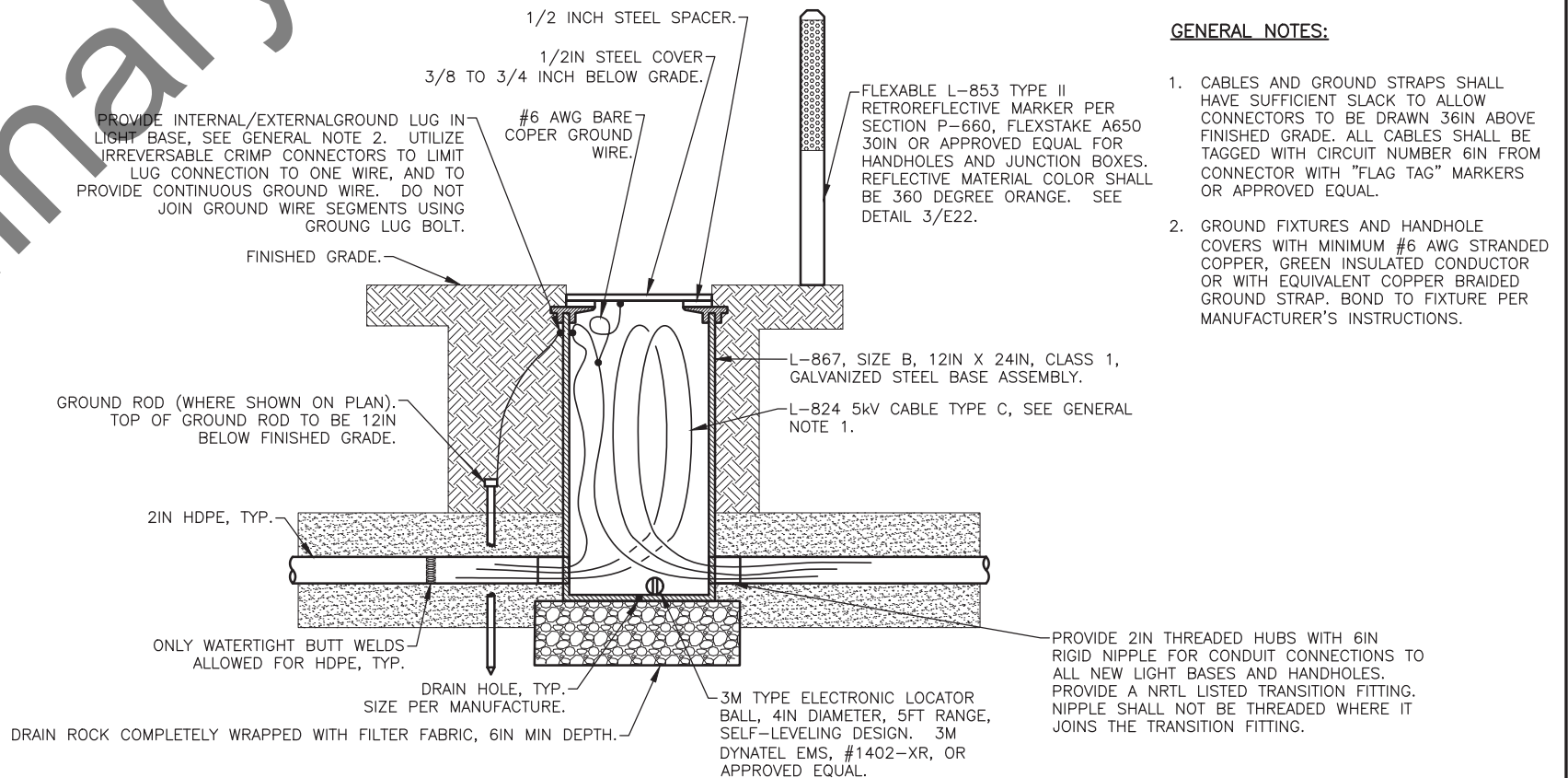
2  
E22  
NTS  
TW ENTRANCE/EXIT LIGHT DETAIL



3  
E22  
NTS  
RETROREFLECTIVE MARKER DETAIL



4  
E22  
NTS  
STEEL L-867 BASE MOUNTED LIGHT DETAIL

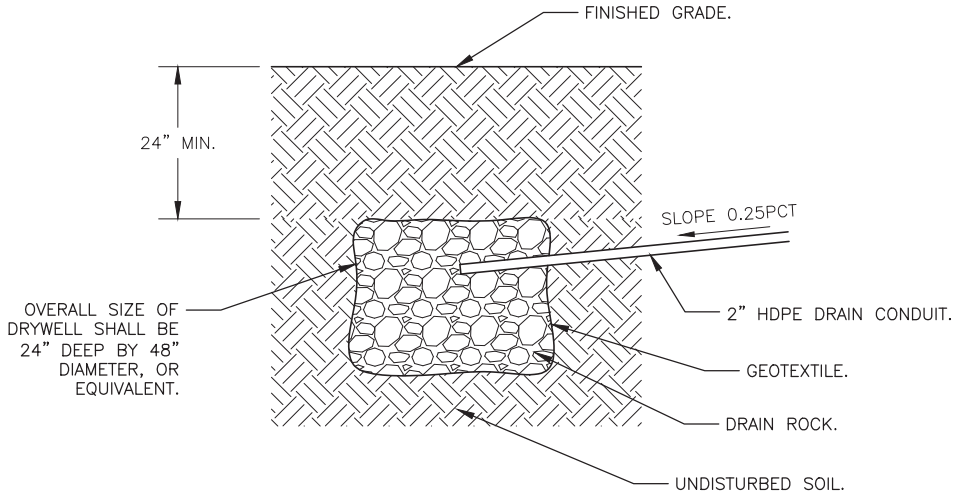


5  
E22  
NTS  
STEEL L-867 HANDHOLE DETAIL

GENERAL NOTES:

1. CABLES AND GROUND STRAPS SHALL HAVE SUFFICIENT SLACK TO ALLOW CONNECTORS TO BE DRAWN 36IN ABOVE FINISHED GRADE. ALL CABLES SHALL BE TAGGED WITH CIRCUIT NUMBER 6IN FROM CONNECTOR WITH "FLAG TAG" MARKERS OR APPROVED EQUAL.
2. GROUND FIXTURES AND HANDHOLE COVERS WITH MINIMUM #6 AWG STRANDED COPPER, GREEN INSULATED CONDUCTOR OR WITH EQUIVALENT COPPER BRAIDED GROUND STRAP. BOND TO FIXTURE PER MANUFACTURER'S INSTRUCTIONS.

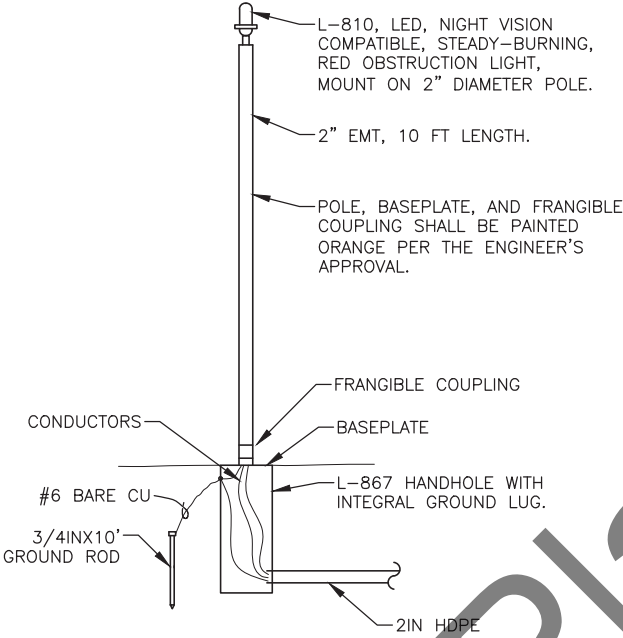




DETAIL NOTES:

1. DRYWELLS SHALL BE CONSTRUCTED OUTSIDE OF PAVED SHOULDER UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER.
2. OVERLAP GEOTEXTILE SEAMS 12 INCHES.
3. DRYWELLS SHALL BE PAID UNDER L110.240.0000.
4. DRAIN CONDUITS SHALL BE PAID UNDER L110.080.1002.

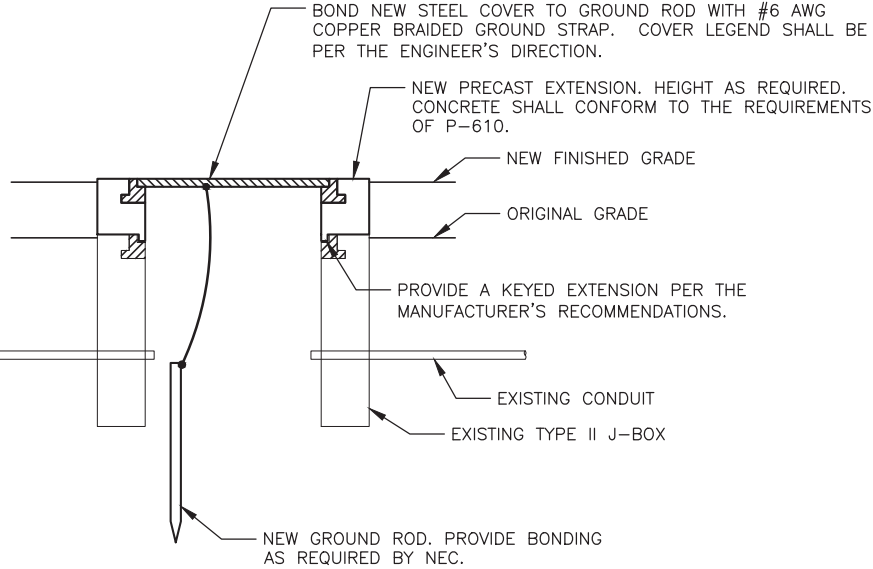
1 DRYWELL DETAIL  
E23 NTS



2 OBSTRUCTION LIGHT DETAIL  
E23 NTS

DETAIL NOTES:

1. POLE, OBSTRUCTION LIGHT, MOUNTING HARDWARE, L-867 HANDHOLES, BASEPLATE, FRANGIBLE COUPLING, GROUND ROD AND #6 BARE CU, HDPE CONDUIT (UNDERGROUND), RSC SLEEVES (UNDERGROUND), RSC (IN ARFF ELECTRICAL ROOM), WIRING, CIRCUIT BREAKER, AND ALL OTHER INCIDENTALS REQUIRED TO PROVIDE A FUNCTIONING OBSTRUCTION LIGHT TO THE SATISFACTION OF THE ENGINEER ARE SUBSIDIARY TO L119.010.000.
2. PAINT.
  - A. PRIMING PAINT FOR NON-GALVANIZED METAL SURFACES SHALL BE A HIGH SOLIDS ALKYD PRIMER COMPATIBLE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR THE INTERMEDIATE OR TOPCOAT.
  - B. PRIMING PAINT FOR GALVANIZED METAL SURFACES SHALL BE ZINC DUST-ZINC OXIDE PRIMER PAINT CONFORMING TO MIL-DTL-24441C/19C. USE MIL-24441 THINNER PER PAINT MANUFACTURER'S RECOMMENDATIONS.
  - C. ORANGE PAINT FOR THE BODY AND THE FINISH COATS SHALL CONSIST OF A READY-MIXED NON-FADING PAINT PER MASTER PAINTER'S INSTITUTE (MPI) REFERENCE #9 (GLOSS). THE COLOR SHALL BE PER FEDERAL STANDARDS 595, INTERNATIONAL ORANGE, NUMBER 12197.
  - D. FACTORY-APPLIED PAINT SHALL BE MANUFACTURER'S STANDARD PRIME AND FINISH COATS OR POWDER-COATED FINISH

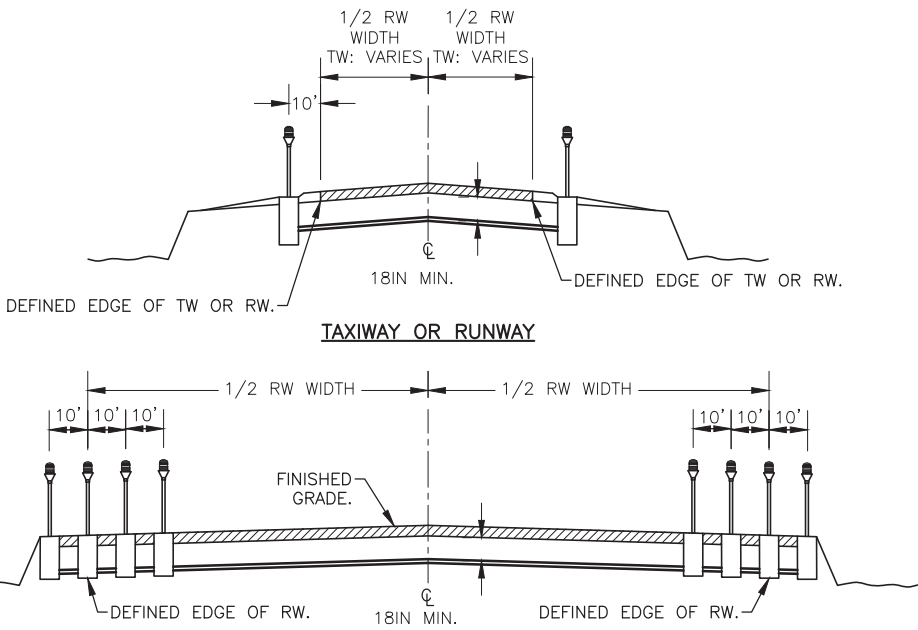


SECTION

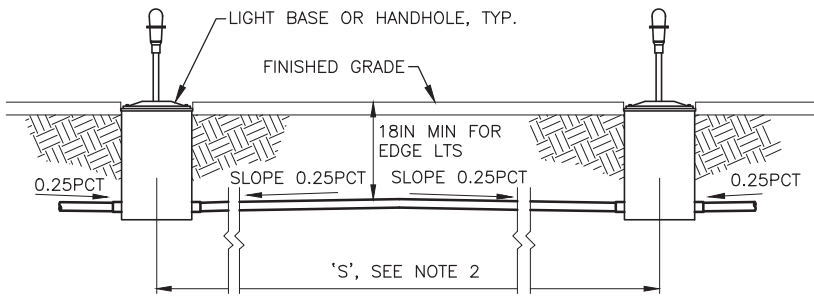
3 TYPE II J-BOX EXTENSION DETAIL  
E23 NTS

HANDHOLE NOTES:

1. HANDHOLE EXTENSION VAULT FRAME AND COVER MUST BE RATED FOR AASHTO H-20 TRAFFIC LOADS.
2. CONNECT GROUND CONDUCTORS WITH 2-HOLE LUGS, INSTALL PER MANUFACTURER'S INSTRUCTIONS. PROVIDE BONDING PER NEC REQUIREMENTS.



1 TYPICAL LIGHTING SECTIONS  
E24 NTS

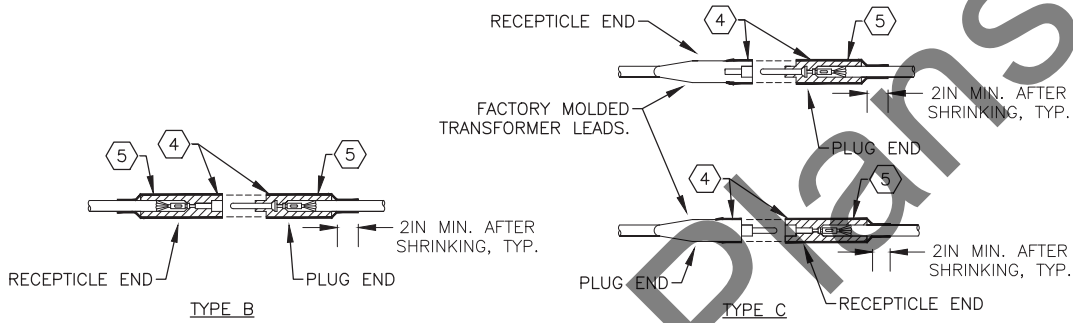


- DETAIL NOTES:
- CONDUIT SHALL BE INSTALLED WITH CROWN TO DRAIN TO LIGHT BASES AS SHOWN.
  - IF 'S' IS LESS THAN 20FT, OR IF 0.25PCT SLOPE CAN BE MAINTAINED IN ONE DIRECTION DUE TO SLOPE OF GRADE, LAY CONDUIT STRAIGHT WITHOUT CROWN BETWEEN BASES/HANDHOLES.

4 TYPICAL INTERCONNECTION DETAIL  
E24 NTS

DETAIL NOTES:

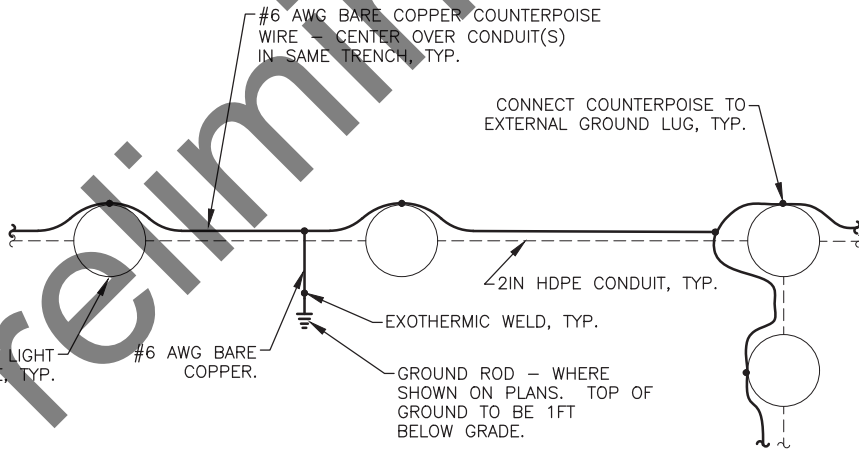
- CABLE SHALL MEET SPECIFICATION L-824. INSIDE DIAMETER OF CONNECTOR SHALL PROPERLY MATCH THE OUTSIDE DIAMETER OF CABLE. CONNECTOR SHALL BE SUPPLIED TO MATCH CABLE PER MANUFACTURER'S INSTRUCTIONS.
- 5 kV CONDUCTORS SHALL BE PENCILED USING A PENCILING TOOL MANUFACTURED FOR USE ON #8 AWG, 5 kV, TYPE C AIRPORT CABLE.
- CONNECTIONS OF CABLE CONDUCTORS SHALL BE MADE USING CRIMP CONNECTORS USING A CRIMPING TOOL DESIGNED TO MAKE A COMPLETE CRIMP BEFORE THE TOOL CAN BE REMOVED. ALL L-823/L-824 SPLICES AND TERMINATIONS SHALL BE MADE PER THE MANUFACTURER'S RECOMMENDATIONS AND LISTINGS.
- WRAP WITH A MINIMUM OF ONE LAYER OF RUBBER OR SYNTHETIC RUBBER TAPE AND ONE LAYER OF PLASTIC TAPE, ONE-HALF LAPPED, EXTENDING AT LEAST 1.5IN ON EACH SIDE OF JOINT. COVER WITH HEAT SHRINK, SEE NOTE 5.
- HEAT SHRINKABLE TUBING SHALL BE 16IN LONG, HAVE INTERNAL ADHESIVE FULL LENGTH, AND APPLIED FULL LENGTH TO CONNECTORS & CABLE TO HAVE A COMPLETE SEAL.



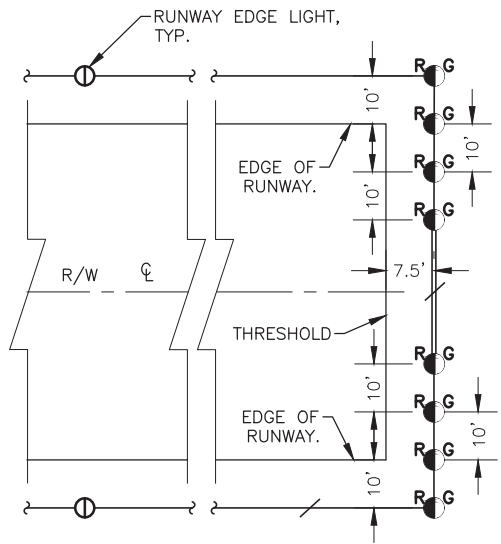
FOR SPLICES FOR USE AT JUNCTION OF HOMERUN WITH LOOP CIRCUIT

FOR SPLICES AT RUNWAY LIGHTS

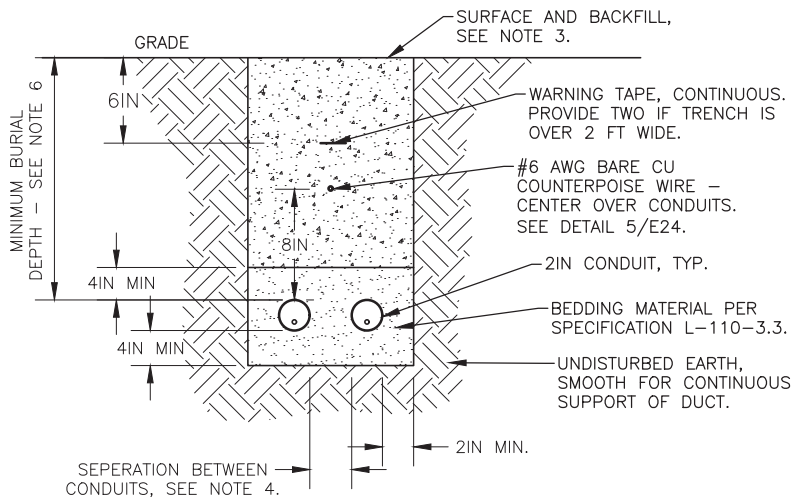
2 L-823 CONNECTOR DETAILS  
E24 NTS



5 AIRFIELD LIGHTING COUNTERPOISE TYPICAL LAYOUT PLAN  
E24 NTS



3 THRESHOLD LIGHT DETAIL  
E24 NTS



DETAIL NOTES:

- WIDTH OF TRENCH AND NUMBER OF CONDUITS PER TRENCH TO BE DETERMINED IN FIELD (2 SHOWN).
- INSTALL NEW LIGHT BASES AND CONDUITS PRIOR TO PLACEMENT OF CTSBC.
- IN AREAS OF NEW CONSTRUCTION, SEE CIVIL FOR SURFACING AND BACKFILL. IN EXISTING AREAS, MATCH EXISTING SURFACE AND BACKFILL.
- SEPARATION BETWEEN CONDUITS SHALL BE 4IN MINIMUM FOR LIGHTING SYSTEMS. PROVIDE 12IN MINIMUM SEPARATION BETWEEN 5 kV CIRCUITS AND 120V CIRCUITS.
- 12IN MINIMUM SEPARATION BETWEEN LIGHTING AND FAA SYSTEMS.
- MINIMUM BURIAL DEPTH SHALL BE AS FOLLOWS:
  - AIRPORT LIGHTING CONDUITS: 18IN
  - ALL OTHER CONDUITS: 30IN OR AS INDICATED

6 TRENCH DETAIL  
E24 NTS

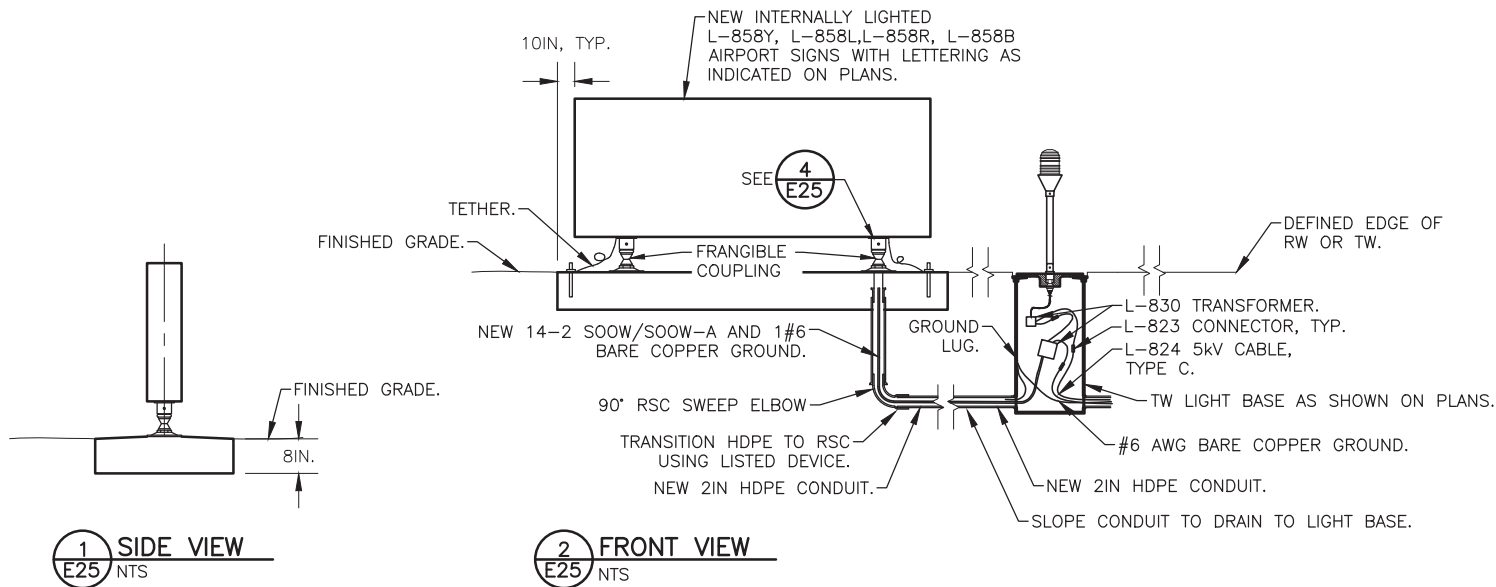
PLANS DEVELOPED BY:  
MBA CONSULTING ENGINEERS, INC.  
3812 SPENARD RD.  
ANCHORAGE, AK 99517  
(907) 274-2622  
CERT. OF AUTH. NO. AECC578

BY DATE REVISION

STATE OF ALASKA  
DEPARTMENT OF TRANSPORTATION  
AND PUBLIC FACILITIES  
CENTRAL REGION  
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PHONE (907) 269-0590

HOMER AIRPORT  
HOMER, ALASKA  
AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
CONNECTOR, TRENCH, COUNTERPOISE,  
AND LIGHTING DETAILS

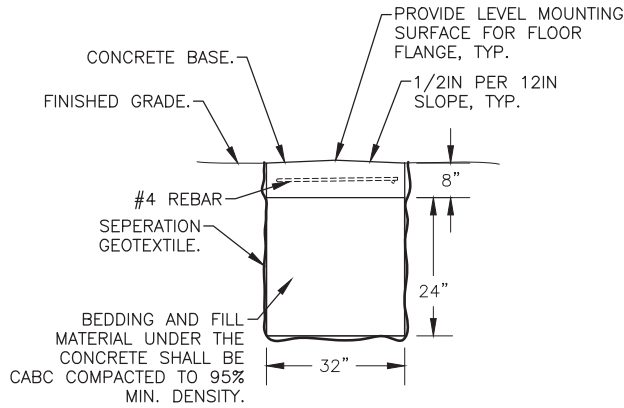
DATE:  
2/17/2022  
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E24 OF E30



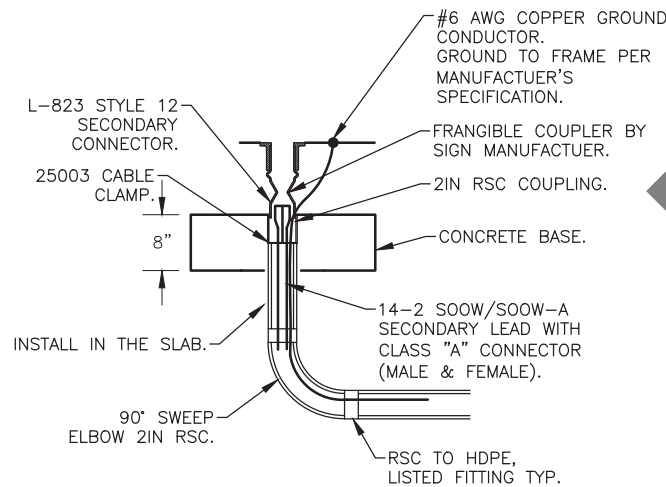
1 SIDE VIEW  
E25 NTS

2 FRONT VIEW  
E25 NTS

L-858 SIGN DETAILS



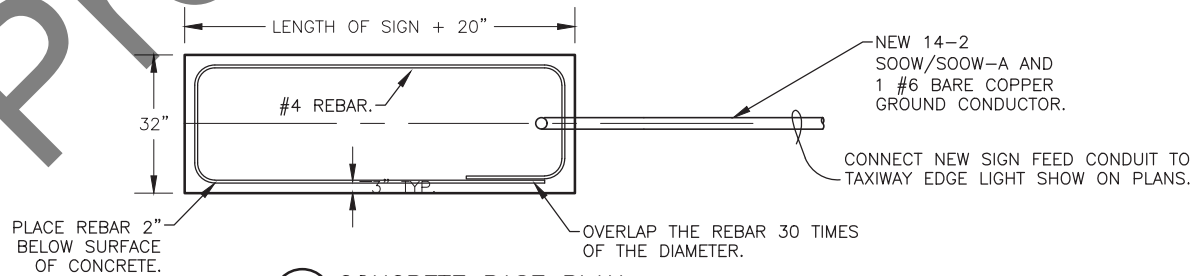
3 CONCRETE BASE SIDE VIEW  
E25 NTS



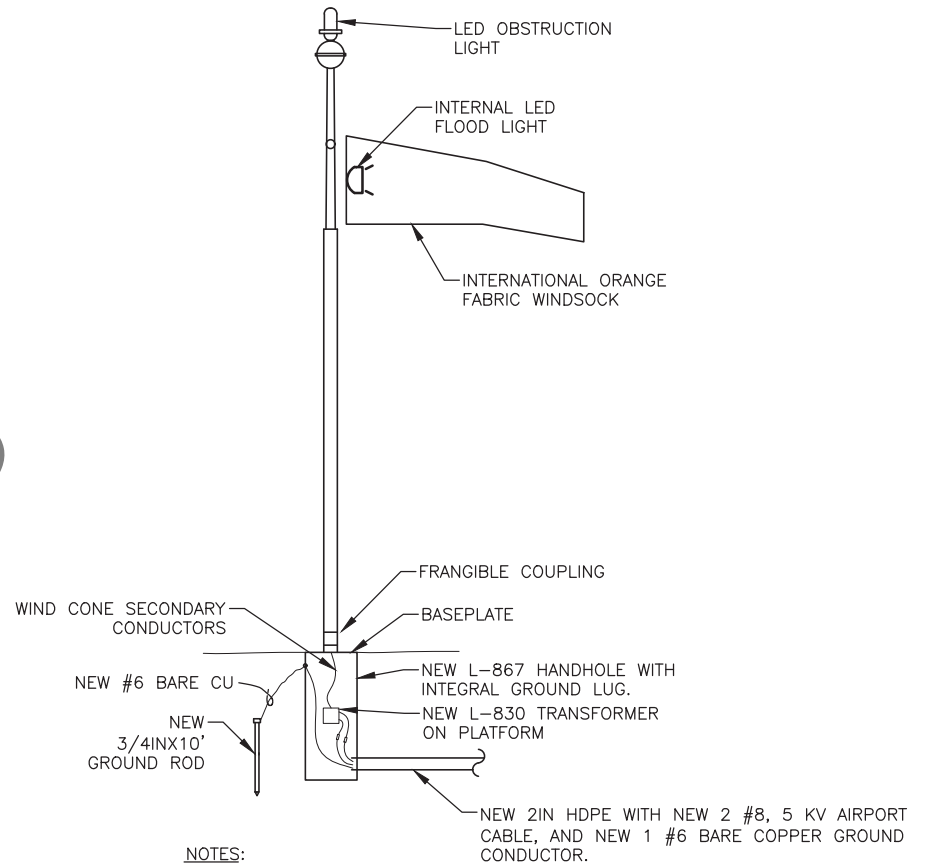
4 ELECTRICAL CONNECTION DETAIL  
E25 NTS

SIGN NOTES:

1. ALL CIRCUITS 6.6 A
2. PROVIDE NEW TRANSFORMERS, SECONDARY WIRING, AND GROUNDING. TRANSFORMER WATTAGE SIZE PER MANUFACTURER'S SPECIFICATION.
3. ATTACH SIGNS TO CONCRETE BASE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. THE CONTRACTOR SHALL CERTIFY THE CONCRETE BASE IS CONSTRUCTED TO MEET SPECIFICATION P610. CONCRETE BASE SHALL BE LEVEL AND PERPENDICULAR TO RW OR TW CENTERLINE.
5. CONDUIT SHALL MEET SPECIFICATION L-110.
6. CABLE AND CONDUCTORS SHALL MEET SPECIFICATION L-108.
7. BEDDING, BACK FILL AND FINISH GRADE RESTORATION SHALL BE SUBSIDIARY TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE.
8. ALL CABLES PASSING THROUGH BASE SHALL HAVE SUFFICIENT SLACK TO ALLOW CONNECTORS TO BE DRAWN 3' ABOVE FINISHED GRADE. ALL CABLES SHALL BE TAGGED.
9. SIGNS TO BE INSTALLED SO THAT THE FACE IS PERPENDICULAR TO THE CENTERLINE OF RUNWAY OR TAXIWAY.
10. STATION AND OFFSET REFER TO THE EDGE OF THE SIGN NEAREST THE RUNWAY OR TAXIWAY. SEE SCHEDULE.
11. OFFSETS LISTED IN THE SIGN SCHEDULE ARE FROM THE CENTERLINE OF THE RUNWAY OR TAXIWAY.
12. SIGN PANELS ARE NUMBERED STARTING WITH THE PANEL CLOSEST TO THE RUNWAY OR TAXIWAY EDGE.



5 CONCRETE BASE PLAN  
E25 NTS



NOTES:

1. RELOCATE EXISTING LIGHTED, L-806, SUPPLEMENTAL WIND CONE TO NEW LOCATION. RE-USE EXISTING LIGHTED WIND CONE, MAST, OBSTRUCTION LIGHT, FRANGIBLE COUPLING, BASEPLATE, AND SECONDARY WIRING.
2. HDPE CONDUIT IS PAID UNDER L110.080.1002, 5 KV AIRPORT CABLE IS PAID UNDER L108.010.2008, GROUND ROD IS PAID UNDER L108.070.0000, GROUND WIRE AND COUNTERPOISE CONDUCTOR ARE PAID UNDER L108.030.0006. THE NEW L-867 HANDHOLE, NEW TRANSFORMER, AND ALL OTHER REQUIRED ITEMS ARE SUBSIDIARY TO L107.050.0000.

6 SUPPLEMENTAL WIND CONE DETAIL  
E25 NTS

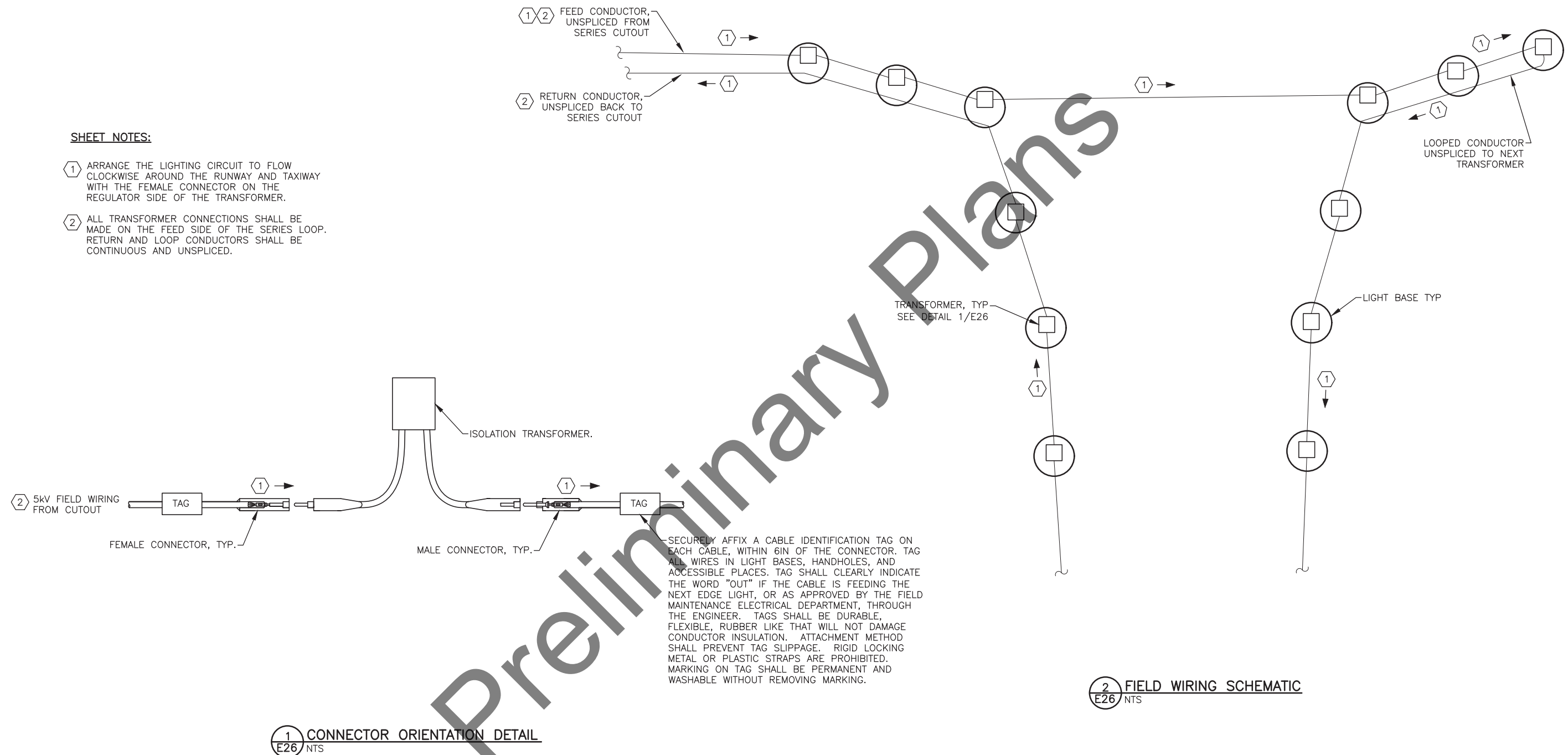
PLANS DEVELOPED BY:  
MBA CONSULTING ENGINEERS, INC.  
3812 SPENARD RD.  
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HOMER AIRPORT  
HOMER, ALASKA  
AIRPORT IMPROVEMENTS  
PROJECT No. CFAPT00491  
AIP No. 3-02-0122-020-2022  
SIGN AND WIND CONE DETAILS

DATE:  
2/17/2022  
SHEET:  
E25 of E30





HOMER HANDHOLE SCHEDULE – 5KV AIRPORT CABLE				
UNIT #	SYSTEM	PAY ITEM	PAY UNIT	SHEET NUMBER AND NOTES
HH1	AIRFIELD LIGHTING HOMERUN	L125.150.0000	PER EACH	E16, NOTE 1
HH2	AIRFIELD LIGHTING HOMERUN	L125.150.0000	PER EACH	E16, NOTE 1
HH3	AIRFIELD LIGHTING HOMERUN	L125.150.0000	PER EACH	E16, NOTE 1
HH4	AIRFIELD LIGHTING HOMERUN	L125.150.0000	PER EACH	E16, NOTE 1
HH5	AIRFIELD LIGHTING HOMERUN	L125.150.0000	PER EACH	E15, NOTE 1
HH6	AIRFIELD LIGHTING HOMERUN	L125.150.0000	PER EACH	E15, NOTE 1
HH7	TAXIWAY G	L125.150.0000	PER EACH	E15, NOTE 1
HH8	TAXIWAY G	L125.150.0000	PER EACH	E16, NOTE 1
HH9	TAXIWAY G	L125.150.0000	PER EACH	E16, NOTE 1
HH10	TAXIWAY G	L125.150.0000	PER EACH	E16, NOTE 1
HH11	TAXIWAY G	L125.150.0000	PER EACH	E16, NOTE 1
HH12	TAXIWAY G	L125.150.0000	PER EACH	E17, NOTE 1
HH13	TAXIWAY G	L125.150.0000	PER EACH	E17, NOTE 1
HH14	TAXIWAY G	L125.150.0000	PER EACH	E17, NOTE 1
HH15	TAXIWAY G	L125.150.0000	PER EACH	E17, NOTE 1
HH16	TAXIWAY G	L125.150.0000	PER EACH	E18, NOTE 1
HH17	TAXIWAY G	L125.150.0000	PER EACH	E18, NOTE 1
HH18	TAXIWAY G	L125.150.0000	PER EACH	E18, NOTE 1
HH19	TAXIWAY G	L125.150.0000	PER EACH	E18, NOTE 1
HH20	SUPPLEMENTAL WIND CONE	L125.150.0000	PER EACH	E19, NOTE 1
HH21	SUPPLEMENTAL WIND CONE	L125.150.0000	PER EACH	E19, NOTE 1
HH22	SUPPLEMENTAL WIND CONE	L125.150.0000	PER EACH	E19, NOTE 1

NOTES:

1. FIELD LOCATE AND AS--BUILT LOCATION

HOMER AIRPORT RUNWAY EDGE LIGHT SCHEDULE									
UNIT #	COLOR	TYPE	USED	WATTS	XFMR	ALIGNMEN T	STATION	OFFSET	NOTES
R1	R/G	L-861E	THRESHOLD	45	45	RW	7+92.5	60'R	
R2	R/G	L-861E	THRESHOLD	45	45	RW	7+92.5	50'R	
R3	R/G	L-861E	THRESHOLD	45	45	RW	7+92.5	40'R	
R4	R/G	L-861E	THRESHOLD	45	45	RW	7+92.5	30'R	
R5	R/G	L-861E	THRESHOLD	45	45	RW	7+92.5	30'L	
R6	R/G	L-861E	THRESHOLD	45	45	RW	7+92.5	40'L	
R7	R/G	L-861E	THRESHOLD	45	45	RW	7+92.5	50'L	
R8	R/G	L-861E	THRESHOLD	45	45	RW	7+92.5	60'L	
R9	W/Y	L-861	RW EDGE	45	45	RW	9+90.03	60'L	
R10	W/Y	L-861	RW EDGE	45	45	RW	11+87.56	60'L	
R11	W/Y	L-861	RW EDGE	45	45	RW	13+85.09	60'L	
R12	W/Y	L-861	RW EDGE	45	45	RW	15+82.62	60'L	
R13	W/Y	L-861	RW EDGE	45	45	RW	17+80.15	60'L	
R14	W/Y	L-861	RW EDGE	45	45	RW	19+77.68	60'L	
R15	W/Y	L-861	RW EDGE	45	45	RW	21+75.21	60'L	
R16	W/Y	L-861	RW EDGE	45	45	RW	23+72.73	60'L	
R17	W/Y	L-861	RW EDGE	45	45	RW	25+70.26	60'L	
R18	W/Y	L-861	RW EDGE	45	45	RW	27+67.79	60'L	
R19	W	L-861	RW EDGE	45	45	RW	29+65.32	60'L	
R20	W	L-861	RW EDGE	45	45	RW	31+62.85	60'L	
R21	W	L-861	RW EDGE	45	45	RW	33+60.38	60'L	
R22	W	L-861	RW EDGE	45	45	RW	35+57.91	60'L	
R23	W	L-861	RW EDGE	45	45	RW	37+55.42	60'L	
R24	W	L-861	RW EDGE	45	45	RW			
R25	W	L-861	RW EDGE	45	45	RW			
R26	W	L-861	RW EDGE	45	45	RW			
R27	W	L-861	RW EDGE	45	45	RW			
R28	W	L-861	RW EDGE	45	45	RW			
R29	W	L-861	RW EDGE	45	45	RW			
R30	W	L-861	RW EDGE	45	45	RW			
R31	W	L-861	RW EDGE	45	45	RW			
R32	Y/W	L-861	RW EDGE	45	45	RW			
R33	Y/W	L-861	RW EDGE	45	45	RW			
R34	Y/W	L-861	RW EDGE	45	45	RW			
R35	Y/W	L-861	RW EDGE	45	45	RW			
R36	Y/W	L-861	RW EDGE	45	45	RW			
R37	Y/W	L-861	RW EDGE	45	45	RW			
R38	Y/W	L-861	RW EDGE	45	45	RW			
R39	Y/W	L-861	RW EDGE	45	45	RW			
R40	Y/W	L-861	RW EDGE	45	45	RW			
R41	Y/W	L-861	RW EDGE	45	45	RW			

HOMER AIRPORT RUNWAY EDGE LIGHT SCHEDULE CONTINUED									
UNIT #	COLOR	TYPE	USED	WATTS	XFMR	ALIGNMEN T	STATION	OFFSET	NOTES
R42	G/R	L-861E	THRESHOLD	45	45	RW			
R43	G/R	L-861E	THRESHOLD	45	45	RW			
R44	G/R	L-861E	THRESHOLD	45	45	RW			
R45	G/R	L-861E	THRESHOLD	45	45	RW			
R46	G/R	L-861E	THRESHOLD	45	45	RW			
R47	G/R	L-861E	THRESHOLD	45	45	RW			
R48	G/R	L-861E	THRESHOLD	45	45	RW			
R49	G/R	L-861E	THRESHOLD	45	45	RW			
R50	Y/W	L-861	RW EDGE	45	45	RW			
R51	Y/W	L-861	RW EDGE	45	45	RW			
R52	Y/W	L-861	RW EDGE	45	45	RW			
R53	Y/W	L-861	RW EDGE	45	45	RW			
R54	Y/W	L-861	RW EDGE	45	45	RW			
R55	Y/W	L-861	RW EDGE	45	45	RW			
R56	Y/W	L-861	RW EDGE	45	45	RW			
R57	Y/W	L-861	RW EDGE	45	45	RW			
R58	Y/W	L-861	RW EDGE	45	45	RW			
R59	Y/W	L-861	RW EDGE	45	45	RW			
R60	W	L-861	RW EDGE	45	45	RW			
R61	W	L-861	RW EDGE	45	45	RW			
R62	W	L-861	RW EDGE	45	45	RW			
R63	W	L-861	RW EDGE	45	45	RW			
R64	W	L-861	RW EDGE	45	45	RW			
R65	W	L-861	RW EDGE	45	45	RW			
R66	W	L-861	RW EDGE	45	45	RW			
R67	W	L-861	RW EDGE	45	45	RW			
R68	W	L-861	RW EDGE	45	45	RW			
R69							NOT USED		
R70	W	L-861	RW EDGE	45	45	RW			
R71	W	L-861	RW EDGE	45	45	RW			
R72	W	L-861	RW EDGE	45	45	RW			
R73	W/Y	L-861	RW EDGE	45	45	RW			
R74	W/Y	L-861	RW EDGE	45	45	RW			
R75	W/Y	L-861	RW EDGE	45	45	RW			
R76	W/Y	L-861	RW EDGE	45	45	RW			
R77	W/Y	L-861	RW EDGE	45	45	RW			
R78	W/Y	L-861	RW EDGE	45	45	RW			
R79	W/Y	L-861	RW EDGE	45	45	RW			
R80	W/Y	L-861	RW EDGE	45	45	RW			
R81	W/Y	L-861	RW EDGE	45	45	RW			
R82	W/Y	L-861	RW EDGE	45	45	RW			

PLANS DEVELOPED BY: MBA CONSULTING ENGINEERS, INC. 3812 SPENARD RD. ANCHORAGE, AK 99517 (907) 274-2622 CERT. OF AUTH. NO. AECC578					
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HOMER AIRPORT HOMER, ALASKA AIRPORT IMPROVEMENTS PROJECT No. CFAPT00491 AIP No. 3-02-0122-020-2022 RUNWAY EDGE LIGHT AND HANDHOLE SCHEDULES	DATE: 2/17/2022 SHEET: E27 of E30
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HOMER AIRPORT TAXIWAY EDGE LIGHT SCHEDULE								
LIGHT #	COLOR	TYPE	LAMP	XFMR	ALIGNMENT	STATION	OFFSET	NOTES
T 1A	BLUE	L861T	LED	10/15	TW B NORTH			
T 1B	BLUE	L861T	LED	10/15	TW B NORTH			
T 2	BLUE	L861T	LED	10/15	TW B NORTH			
T 3	BLUE	L861T	LED	10/15	TW B NORTH			
T 4	BLUE	L861T	LED	10/15	TW B NORTH			
T 5	BLUE	L861T	LED	10/15	TW B NORTH			
T 6	BLUE	L861T	LED	10/15	TW B NORTH			
T 7	BLUE	L861T	LED	10/15	TW B NORTH			
T 8	BLUE	L861T	LED	10/15	TW B NORTH			
T 9	BLUE	L861T	LED	10/15	TW B NORTH			
T 10	BLUE	L861T	LED	10/15	TW B NORTH			
T 11	BLUE	L861T	LED	10/15	TW B NORTH			
T 12	BLUE	L861T	LED	10/15	TW B NORTH			
T 13	BLUE	L861T	LED	10/15	TW B NORTH			
T 14	BLUE	L861T	LED	10/15	TW C			
T 15	BLUE	L861T	LED	10/15	TW C			
T 16	BLUE	L861T	LED	10/15	TW C			
T 17	BLUE	L861T	LED	10/15	TW C			
T 18	BLUE	L861T	LED	10/15	TW C			
T 19	BLUE	L861T	LED	10/15	TW C			
T 20	BLUE	L861T	LED	10/15	TW C			
T 21	BLUE	L861T	LED	10/15	TW C			
T 22	BLUE	L861T	LED	10/15	TW C			
T 23	BLUE	L861T	LED	10/15	TW C			
T 24	BLUE	L861T	LED	10/15	TW D			
T 25	BLUE	L861T	LED	10/15	TW D			
T 26	BLUE	L861T	LED	10/15	TW D			
T 27	BLUE	L861T	LED	10/15	TW D			
T 28	BLUE	L861T	LED	10/15	TW D			
T 29	BLUE	L861T	LED	10/15	TW B SOUTH			
T 30	BLUE	L861T	LED	10/15	TW B SOUTH			
T 31	BLUE	L861T	LED	10/15	TW B SOUTH			
T 32	BLUE	L861T	LED	10/15	TW B SOUTH			
T 33	BLUE	L861T	LED	10/15	TW B SOUTH			
T 34	BLUE	L861T	LED	10/15	TW C			
T 35	BLUE	L861T	LED	10/15	TW C			
T 36	BLUE	L861T	LED	10/15	TW C			
T 37	BLUE	L861T	LED	10/15	TW D			
T 38	BLUE	L861T	LED	10/15	TW D			
T 39	BLUE	L861T	LED	10/15	TW D			
T 40	BLUE	L861T	LED	10/15	TW B SOUTH			
T 41	BLUE	L861T	LED	10/15	TW B SOUTH			
T 42	BLUE	L861T	LED	10/15	TW B SOUTH			
T 43	BLUE	L861T	LED	10/15	TW B SOUTH			
T 44	BLUE	L861T	LED	10/15	TW B SOUTH			
T 45	BLUE	L861T	LED	10/15	TW B SOUTH			
T 46	BLUE	L861T	LED	10/15	TW B SOUTH			
T 47	BLUE	L861T	LED	10/15	TW B SOUTH			
T 48	BLUE	L861T	LED	10/15	TW B SOUTH			
T 49	BLUE	L861T	LED	10/15	TW B SOUTH			
T 50	BLUE	L861T	LED	10/15	TW B SOUTH			

HOMER AIRPORT TAXIWAY EDGE LIGHT SCHEDULE CONTINUED								
LIGHT #	COLOR	TYPE	LAMP	XFMR	ALIGNMENT	STATION	OFFSET	NOTES
T 51	BLUE	L861T	LED	10/15	TW B SOUTH			
T 52	BLUE	L861T	LED	10/15	TW B SOUTH			
T 53	BLUE	L861T	LED	10/15	TW B SOUTH			
T 54	BLUE	L861T	LED	10/15	TW B SOUTH			
T 55	BLUE	L861T	LED	10/15	TW B SOUTH			
T 56	BLUE	L861T	LED	10/15	TW B SOUTH			
T 57	BLUE	L861T	LED	10/15	TW B SOUTH			
T 58	BLUE	L861T	LED	10/15	TW B SOUTH			
T 59	BLUE	L861T	LED	10/15	TW B SOUTH			
T 60	BLUE	L861T	LED	10/15	TW B SOUTH			
T 61	BLUE	L861T	LED	10/15	TW A			
T 62	BLUE	L861T	LED	10/15	TW A			
T 63	BLUE	L861T	LED	10/15	TW A			
T 64	BLUE	L861T	LED	10/15	TW A			
T 65	BLUE	L861T	LED	10/15	TW A			
T 66	BLUE	L861T	LED	10/15	TW A			
T 67	BLUE	L861T	LED	10/15	TW A			
T 68	BLUE	L861T	LED	10/15	TW A			
T 69	BLUE	L861T	LED	10/15	TW A			
T 70	BLUE	L861T	LED	10/15	TW A			
T 71	BLUE	L861T	LED	10/15	TW A			
T 72	BLUE	L861T	LED	10/15	TW A			
T 73	BLUE	L861T	LED	10/15	TW A			
T 74	BLUE	L861T	LED	10/15	TW A			
T 75	BLUE	L861T	LED	10/15	TW A			
T 76	BLUE	L861T	LED	10/15	TW A			
T 77	BLUE	L861T	LED	10/15	TW A			
T 78	BLUE	L861T	LED	10/15	TW A			
T 79	BLUE	L861T	LED	10/15	TW A			
T 80	BLUE	L861T	LED	10/15	TW A			
T 81	BLUE	L861T	LED	10/15	TW J			
T 82	BLUE	L861T	LED	10/15	TW J			
T 83	BLUE	L861T	LED	10/15	TW J			
T 84	BLUE	L861T	LED	10/15	TW J			
T 85	BLUE	L861T	LED	10/15	TW J			
T 86	BLUE	L861T	LED	10/15	TW J			
T 87	BLUE	L861T	LED	10/15	TW J			
T 88	BLUE	L861T	LED	10/15	TW J			
T 89	BLUE	L861T	LED	10/15	TW J			
T 90	BLUE	L861T	LED	10/15	TW J			
T 91	BLUE	L861T	LED	10/15	TW J			
T 92	BLUE	L861T	LED	10/15	TW J			
T 93	BLUE	L861T	LED	10/15	TW J			
T 94	BLUE	L861T	LED	10/15	TW J			
T 95	BLUE	L861T	LED	10/15	TW J			
T 96	BLUE	L861T	LED	10/15	TW J			
T 97	BLUE	L861T	LED	10/15	TW J			
T 98	BLUE	L861T	LED	10/15	TW J			
T 99	BLUE	L861T	LED	10/15	TW G			
T 100	BLUE	L861T	LED	10/15	TW G			

HOMER AIRPORT TAXIWAY EDGE LIGHT SCHEDULE CONTINUED								
LIGHT #	COLOR	TYPE	LAMP	XFMR	ALIGNMEN T	STATION	OFFSET	NOTES
T 101	BLUE	L861T	LED	10/15	TW G			
T 102	BLUE	L861T	LED	10/15	TW G			
T 103	BLUE	L861T	LED	10/15	TW G			
T 104	BLUE	L861T	LED	10/15	TW G			
T 105	BLUE	L861T	LED	10/15	TW G			
T 106	BLUE	L861T	LED	10/15	TW G			
T 107	BLUE	L861T	LED	10/15	TW G			
T 108	BLUE	L861T	LED	10/15	TW G			
T 109	BLUE	L861T	LED	10/15	TW G			
T 110	BLUE	L861T	LED	10/15	TW G			
T 111	BLUE	L861T	LED	10/15	TW G			
T 112	BLUE	L861T	LED	10/15	TW G			
T 113	BLUE	L861T	LED	10/15	TW G			
T 114	BLUE	L861T	LED	10/15	TW G			
T 115	BLUE	L861T	LED	10/15	TW G			
T 116	BLUE	L861T	LED	10/15	TW G			
T 117	BLUE	L861T	LED	10/15	TW G			
T 118	BLUE	L861T	LED	10/15	TW G			
T 119	BLUE	L861T	LED	10/15	TW G			
T 120	BLUE	L861T	LED	10/15	TW G			
T 121	BLUE	L861T	LED	10/15	TW G			
T 122	BLUE	L861T	LED	10/15	TW G			
T 123	BLUE	L861T	LED	10/15	TW G			
T 124	BLUE	L861T	LED	10/15	TW G			
T 125	BLUE	L861T	LED	10/15	TW G			
T 126	BLUE	L861T	LED	10/15	TW G			
T 127	BLUE	L861T	LED	10/15	TW G			
T 128	BLUE	L861T	LED	10/15	TW G			
T 129	BLUE	L861T	LED	10/15	TW G			
T 130	BLUE	L861T	LED	10/15	TW G			
T 131	BLUE	L861T	LED	10/15	TW G			
T 132	BLUE	L861T	LED	10/15	TW G			
T 133	BLUE	L861T	LED	10/15	TW G			
T 134	BLUE	L861T	LED	10/15	TW G			
T 135	BLUE	L861T	LED	10/15	TW G			
T 136	BLUE	L861T	LED	10/15	TW G			
T 137	BLUE	L861T	LED	10/15	TW G			
T 138	BLUE	L861T	LED	10/15	TW G			
T 139	BLUE	L861T	LED	10/15	TW G			
T 140	BLUE	L861T	LED	10/15	TW G			
T 141	BLUE	L861T	LED	10/15	TW G			
T 142	BLUE	L861T	LED	10/15	TW G			
T 143	BLUE	L861T	LED	10/15	TW G			
T 144	BLUE	L861T	LED	10/15	TW G			
T 145	BLUE	L861T	LED	10/15	TW G			
T 146	BLUE	L861T	LED	10/15	TW G			
T 147	BLUE	L861T	LED	10/15	TW G			
T 148	BLUE	L861T	LED	10/15	TW G			
T 149	BLUE	L861T	LED	10/15	TW G			
T 150	BLUE	L861T	LED	10/15	TW G			

HOMER SIGN SCHEDULE														
SIGN NUMBER	SIZE	STYLE	CLASS	MODE	STATUS	SIDE	TYPE	PURPOSE	LEGEND	LEGEND COLOR	FACE COLOR	ALIGNMENT	STATION	OFFSET
1	2	3	2	2	NEW	EAST			BLANK		BLACK	RW		
						WEST	L-858Y(L)	TAXIWAY DIRECTION SIGN	<-G	BLACK	YELLOW			
2	2	3	2	2	NEW	NORTH	L-858L(L)	TAXIWAY LOCATION SIGN	G	YELLOW	BLACK	RW		
							L-858R(L)	MANDATORY INSTRUCTION SIGN	22	WHITE	RED			
						SOUTH			BLANK		BLACK			
3	3	3	2	2	NEW	NORTH	L-858L(L)	TAXIWAY LOCATION SIGN	G	YELLOW	BLACK	RW		
							L-858R(L)	MANDATORY INSTRUCTION SIGN	22	WHITE	RED			
						SOUTH			BLANK		BLACK			
4	2	3	2	2	NEW	EAST			BLANK		BLACK	RW		
						WEST	L-858Y(L)	TAXIWAY DIRECTION SIGN	<-G	BLACK	YELLOW			
5	2	3	2	2	RELOCATE D	EAST	L-858Y(L)	TAXIWAY DIRECTION SIGN	<-C	BLACK	YELLOW	RW		
						WEST								
									BLANK		BLACK			
6	2	3	2	2	RELOCATE D	NORTH			BLANK		BLACK	RW		
						SOUTH	L-858L(L)	TAXIWAY LOCATION SIGN	C	YELLOW	BLACK			
							L-858R(L)	MANDATORY INSTRUCTION SIGN	4	WHITE	RED			
7	2	3	2	2	EXISTING TO REMAIN	NORTH			BLANK		BLACK	RW		
						SOUTH	L-858L(L)	TAXIWAY LOCATION SIGN	C	YELLOW	BLACK			
							L-858R(L)	MANDATORY INSTRUCTION SIGN	4	WHITE	RED			
8	2	3	2	2	NEW	EAST			BLANK		BLACK	RW		
						WEST	L-858Y(L)	TAXIWAY DIRECTION SIGN	<-B	BLACK	YELLOW			
							L-858L(L)	TAXIWAY LOCATION SIGN	D	YELLOW	BLACK			
							L-858Y(L)	TAXIWAY DIRECTION SIGN	APRON->	BLACK	YELLOW			
									BLANK		BLACK			
9	2	3	2	2	RELOCATE D	NORTH						RW		
						SOUTH	L-858L(L)	TAXIWAY LOCATION SIGN	B	YELLOW	BLACK			
							L-858R(L)	MANDATORY INSTRUCTION SIGN	4-22	WHITE	RED			
10	2	3	2	2	RELOCATE D	NORTH						RW		
						SOUTH	L-858L(L)	TAXIWAY LOCATION SIGN	A	YELLOW	BLACK			
							L-858R(L)	MANDATORY INSTRUCTION SIGN	4-22	WHITE	RED			
11	2	3	2	2	RELOCATE D	EAST	L-858Y(L)	TAXIWAY DIRECTION SIGN	<-A	BLACK	YELLOW	RW		
						WEST			BLANK		BLACK			
12	2	3	2	2	RELOCATE D	EAST			BLANK		BLACK	RW		
						WEST	L-858Y(L)	TAXIWAY DIRECTION SIGN	A->	BLACK	YELLOW			
13	2	3	2	2	RELOCATE D	EAST	L-858Y(L)	TAXIWAY DIRECTION SIGN	<-B	BLACK	YELLOW	RW		
									BLANK		BLACK			
						WEST								

HOMER HANDHOLE SCHEDULE – OBSTRUCTION LIGHT				
UNIT #	SYSTEM	PAY ITEM	PAY UNIT	SHEET NUMBER AND NOTES
H01	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E12, NOTE 1
H02	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E12, NOTE 1
H03	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E12, NOTE 1
H04	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E12, NOTE 1
H05	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E12, NOTE 1
H06	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E13, NOTE 1
H07	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E13, NOTE 1
H08	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E13, NOTE 1
H09	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E13, NOTE 1
H010	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E14, NOTE 1
H011	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E14, NOTE 1
H012	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E14, NOTE 1
H013	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E14, NOTE 1
H014	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E15, NOTE 1
H015	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E15, NOTE 1
H016	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E15, NOTE 1
H017	OBSTRUCTION LIGHT	L119.010.0000	LUMP SUM	E15, NOTE 1

NOTES:

1. FIELD LOCATE AND AS-BUILT LOCATION

HOMER SIGN SCHEDULE CONTINUED														
SIGN NUMBER	SIZE	STYLE	CLAS S	MODE	STATUS	SIDE NUMBER	TYPE	PURPOSE	LEGEND	LEGEND COLOR	FACE COLOR	ALIGNMENT	STATION	OFFSET
14	2	3	2	2	RELOCATED	EAST			BLANK		BLACK	RW		
						WEST	L-858Y(L)	TAXIWAY DIRECTION SIGN	B->	BLACK	YELLOW			
15	2	3	2	2	EXISTING TO REMAIN	NORTH	L-858L(L)	TAXIWAY LOCATION SIGN	B	YELLOW	BLACK	RW		
							L-858R(L)	MANDATORY INSTRUCTION SIGN	4-22	WHITE	RED			
						SOUTH	L-858Y(L)	TAXIWAY DIRECTION SIGN	APRON	BLACK	YELLOW			
16	2	3	2	2	NEW	EAST			BLANK		BLACK	RW		
						WEST	L-858Y(L)	TAXIWAY DIRECTION SIGN	<-B	BLACK	YELLOW			
17	2	3	2	2	NEW	EAST	L-858Y(L)	TAXIWAY DIRECTION SIGN	B->	BLACK	YELLOW	RW		
						WEST			BLANK		BLACK			
18	2	3	2	2	NEW	NORTH						RW		
							L-858L(L)	TAXIWAY LOCATION SIGN	J	YELLOW	BLACK			
						SOUTH	L-858R(L)	MANDATORY INSTRUCTION SIGN	4-22	WHITE	RED			
19	2	3	2	2	NEW	EAST	L-858Y(L)	TAXIWAY DIRECTION SIGN	<-J	BLACK	YELLOW	RW		
						WEST			BLANK		BLACK			
20	2	3	2	2	NEW	EAST			BLANK		BLACK	RW		
						WEST	L-858Y(L)	TAXIWAY DIRECTION SIGN	J->	BLACK	YELLOW			