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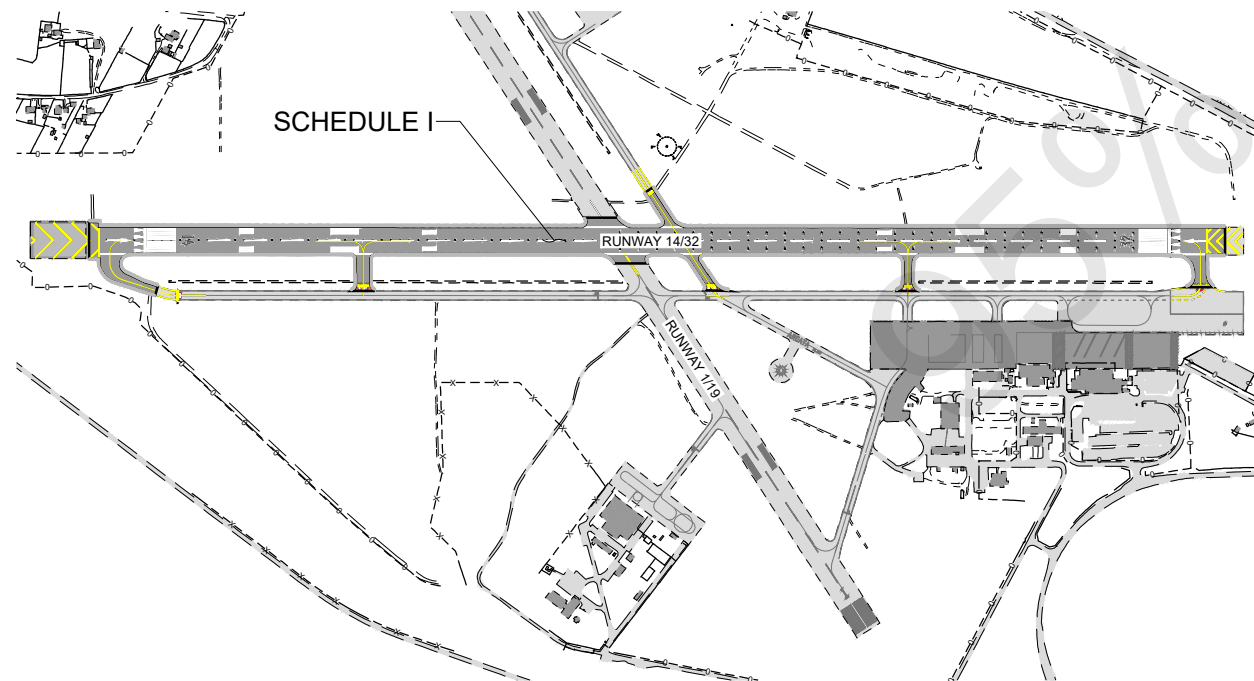
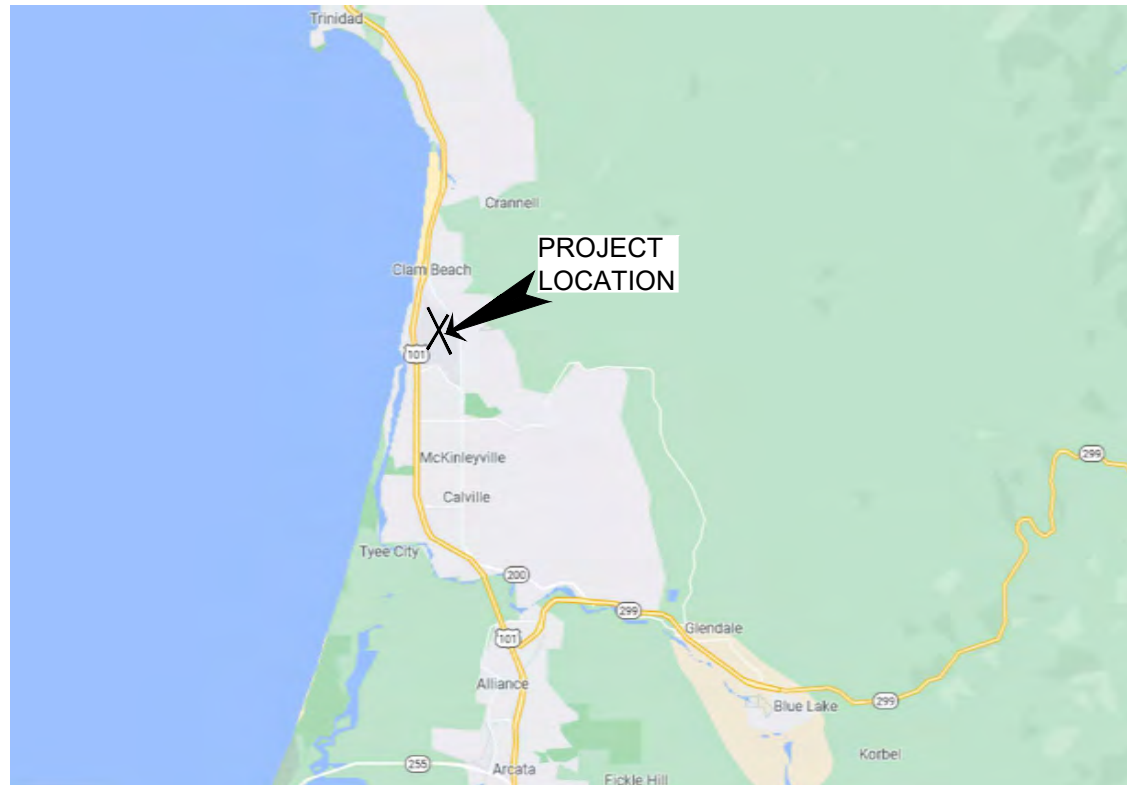
# CALIFORNIA REDWOOD COAST- HUMBOLDT COUNTY AIRPORT McKINLEYVILLE, CA

## CONSTRUCTION DRAWINGS

AIP No. 3-06-0010-053-2022

ACI No. 216794

PREPARED BY:  
**ARMSTRONG CONSULTANTS, INC.**  
FEBRUARY 2022



REVIEWED BY AND PREPARED UNDER MY DIRECT SUPERVISION:

DESIGNED BY:

DATE

REGISTERED PROFESSIONAL ENGINEER

DATE

### SCHEDULE I

REHABILITATE RUNWAY 14/32 &  
ASSOCIATED CONNECTOR  
TAXIWAYS, IMPROVE  
ELECTRICAL SYSTEM (PHASE I)

### INDEX TO SHEETS

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MARKING PLAN & DETAILS	6.1 - 6.10
CROSS SECTIONS	7.1 - 7.12
LIGHTING & SIGN PLAN (LEAN ENGINEERING)	ATTACHED
CONSTRUCTION SAFETY & PHASING PLAN	ATTACHED

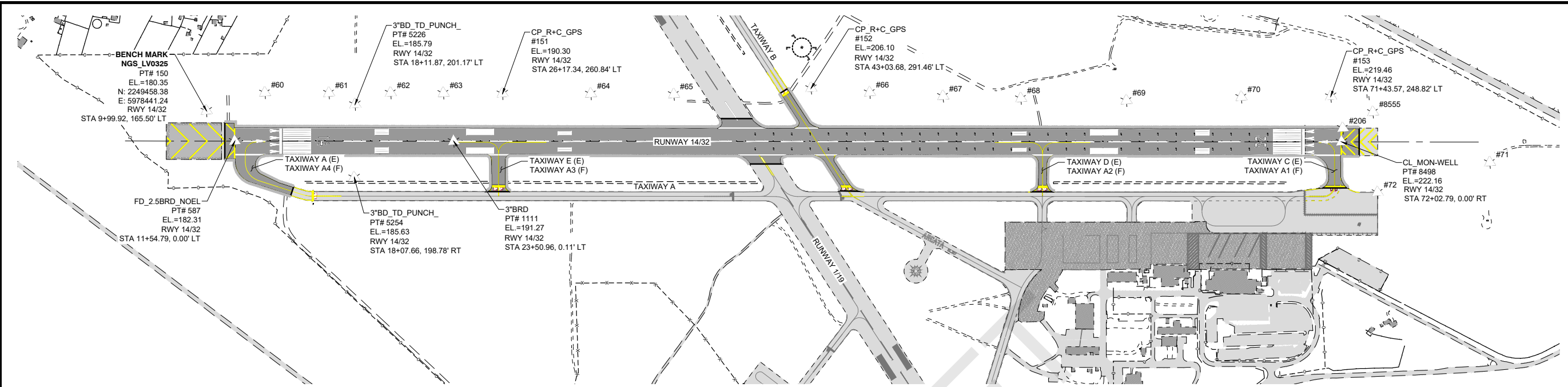
SHEET 1.1

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**LEGEND**

Symbol	Description	Symbol	Description
X 0.00	EXISTING SPOT ELEVATION	x 99.99	PROPOSED FINISHED GRADE ELEVATION
- - - - -	EXISTING GROUND CONTOUR (5' INTERVAL)	10	PROPOSED GROUND CONTOUR (1' INTERVAL)
⊗	EXISTING RUNWAY EDGE LIGHT	⊗	PROPOSED RUNWAY EDGE LIGHT
⊙	EXISTING TAXIWAY EDGE LIGHT	⊙	PROPOSED TAXIWAY EDGE LIGHT
⊕	EXISTING RETROREFLECTIVE MARKER	⊕	PROPOSED TAXIWAY RETROREFLECTIVE MARKER
⊞	EXISTING SPLICE BASE / PULL BOX	⊞	PROPOSED SPLICE BASE / PULL BOX
⊟	EXISTING AIRFIELD SIGN	⊟	PROPOSED AIRFIELD SIGN
⊠	EXISTING BEACON	⊠	PROPOSED BEACON AND TOWER
⊡	EXISTING WIND CONE	⊡	PROPOSED LIGHTED WIND CONE
⊢	EXISTING SEGMENTED CIRCLE	⊢	PROPOSED SUPPLEMENTAL WIND CONE
⊣	EXISTING PAPI / VASI	⊣	PROPOSED SEGMENTED CIRCLE
⊤	EXISTING REIL	⊤	PROPOSED PAPI
⊥	EXISTING AWOS/ASOS/UNICOM	⊥	PROPOSED REIL
⊦	EXISTING TIEDOWN ANCHOR	⊦	PROPOSED AWOS
⊧	EXISTING UTILITY POLE	⊧	PROPOSED TIEDOWN ANCHOR
⊨	EXISTING AREA LIGHT	⊨	PROPOSED UTILITY POLE
⊩	EXISTING GUY	⊩	PROPOSED AREA LIGHT (S)
⊪	EXISTING PAD MOUNTED TRANSFORMER	⊪	PROPOSED ELECTRIC TRANSFORMER
⊫	EXISTING UTILITY PEDESTAL	⊫	PROPOSED MANHOLE
⊬	EXISTING UTILITY METER	⊬	PROPOSED SANITARY SEWER CLEAN-OUT
⊭	EXISTING MANHOLE / CLEAN-OUT	⊭	PROPOSED STORM DRAIN INLET
⊮	EXISTING AREA INLET / CATCH BASIN	⊮	PROPOSED FIRE HYDRANT
⊯	EXISTING FIRE HYDRANT	⊯	PROPOSED WATER VALVE
⊰	EXISTING WATER VALVE	⊰	PROPOSED SURVEY MONUMENT
⊱	EXISTING TREE	⊱	PROPOSED AIRFIELD POWER CABLE(S)
⊲	EXISTING ROAD SIGN(S)	⊲	PROPOSED COUNTERPOISE CABLE
⊳	EXISTING SECTION CORNER	⊳	PROPOSED CONCRETE ENCASED DUCT BANK
⊴	EXISTING SURVEY CONTROL MONUMENT	⊴	PROPOSED CULVERT w/END SECTIONS
⊵	EXISTING PROPERTY CORNER PIN/CAP	⊵	PROPOSED SWALE DIRECTION
⊶	EXISTING AIRFIELD POWER CABLE(S)	⊶	PROPOSED BARBED WIRE FENCE
⊷	EXISTING CONCRETE DUCT BANK	⊷	PROPOSED CHAIN LINK FENCE
⊸	EXISTING CULVERT	⊸	PROPOSED WILDLIFE FENCE
⊹	EXISTING SWALE DIRECTION	⊹	PROPOSED SANITARY SEWER LINE
⊺	EXISTING BARB WIRE FENCE	⊺	PROPOSED STORM DRAIN LINE
⊻	EXISTING CHAIN LINK FENCE	⊻	PROPOSED WATERLINE
⊼	EXISTING WILDLIFE FENCE	⊼	PROPOSED GAS LINE
⊽	EXISTING SANITARY SEWER LINE	⊽	PROPOSED UNDERGROUND POWER/TELE. LINE
⊾	EXISTING STORM DRAIN LINE	⊾	PROPOSED PERFORATED UNDERDRAIN w/ CLEAN-OUT
⊿	EXISTING WATER LINE	⊿	PROPOSED NON-PERFORATED UNDERDRAIN
⋈	EXISTING GAS LINE	⋈	PROPOSED SEDIMENT LOG
⋉	EXISTING UNDERGROUND POWER OR TELE. LINE	⋉	PROPOSED SILT FENCE
⋊	EXISTING OVERHEAD POWER CABLE	⋊	PROPOSED CONCRETE PAVEMENT
⋋	EXISTING UNDERGROUND COMMUNICATION LINE	⋋	PROPOSED ASPHALT PAVEMENT
⋌	EXISTING FIBER OPTIC CABLE	⋌	PROPOSED ASPHALT/CONCRETE REMOVAL
⋍	EXISTING UNDERDRAIN w/ CLEAN-OUT	⋍	PROPOSED MILLINGS
⋎	EXISTING CONCRETE PAVEMENT	⋎	PROPOSED ROCK RIPRAP
⋏	EXISTING ASPHALT PAVEMENT	⋏	PROPOSED BUILDING
⋐	EXISTING GRAVEL	⋐	PROPOSED SEEDING AREA
⋑	EXISTING BUILDING	⋑	PROPOSED GRADING AREA
⋒	EXISTING WETLANDS	⋒	

NOTE: LEGEND APPLIES TO ALL SHEETS IN THIS PLAN SET, IS GENERIC, AND NOT ALL SYMBOLS MAY BE IN PLAN SHEETS.

**NOTES TO SURVEYOR:**

1. THE PROJECT CONTROL IS A MODIFIED STATE PLANE COORDINATE SYSTEM.
2. ALL DISTANCE UNITS ARE IN FEET AT GROUND.
3. A BASE LINE WITH STATIONS AND OFFSETS HAS BEEN SET AT THE RUNWAY CENTERLINE FOR PROJECT CONTROL. ALL INFORMATION FOR THIS PROJECT WILL BE BASED ON THIS BASE LINE.
4. BEFORE ANY CONSTRUCTION OPERATIONS BEGIN, CONSTRUCTION SURVEYOR TO RUN A TRAVERSE, LEVEL LOOP, AND VERIFY CONTROL. ANY DISCREPANCIES SHALL BE RESOLVED WITH PROJECT ENGINEER.
5. FOR QUALITY CONTROL AND VERIFICATION PURPOSES, ANY WRITTEN SURVEY INFORMATION SUPPLIED TO ACI SHALL BE IN STATION, OFFSET, ELEVATION FORMAT.

**GENERAL NOTES**

1. ESTIMATED QUANTITIES ARE CONSIDERED APPROXIMATE ONLY EXCEPT WHERE PLAN QUANTITIES ARE SPECIFIED FOR PAYMENT. ACTUAL QUANTITIES SHALL BE DETERMINED BY FIELD MEASUREMENT OR SPECIFICATIONS.
2. THE CONTRACTOR SHALL PROVIDE MATERIAL SUBMITTALS FOR THE ENGINEER'S APPROVAL PRIOR TO ORDERING.
3. THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY CONSTRUCTION PERMITS AS NECESSARY FOR THE PROJECT.
4. THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT A WORK SCHEDULE AND PROPOSED CONSTRUCTION METHODS AT THE PRE-CONSTRUCTION CONFERENCE.
5. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM AIRPORT MANAGEMENT AND THE ENGINEER PRIOR TO ESTABLISHING CONSTRUCTION ACCESS OR HAUL ROADS. EXISTING PAVEMENT SURFACES OTHER THAN AIRFIELD PAVEMENTS SHALL BE USED TO THE MAXIMUM EXTENT POSSIBLE.
6. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE INCLUDING RUTS PRODUCED BY VEHICLES AND EQUIPMENT IN NON-PAVEMENT AREAS WITHIN ALL CONSTRUCTION AREAS. ALL DISTURBED AREAS IN THESE LOCATIONS SHALL BE RECLAIMED AT NO ADDITIONAL COST TO THE SPONSOR. DAMAGE CAUSED TO EXISTING AIRFIELD PAVEMENTS, AIRFIELD CABLE CIRCUITS OR FACILITIES DURING CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE SPONSOR.
7. CONTRACTOR SHALL COORDINATE ALL ON-SITE WASTE MATERIAL DISPOSAL WITH ENGINEER AND AIRPORT.

**CAUTION - NOTICE TO CONTRACTOR**

THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS IN THE FIELD. THE INFORMATION IS PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR AND IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE CONTRACTOR MUST CALL CALIFORNIA 811 (1-800-624-2444) AT LEAST 48 HOURS BEFORE ANY EXCAVATION / EMBANKMENT TO REQUEST FIELD LOCATION OF UTILITIES.



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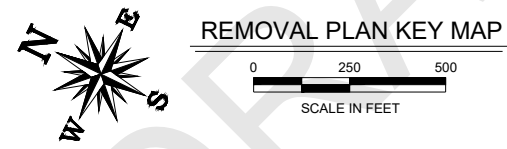
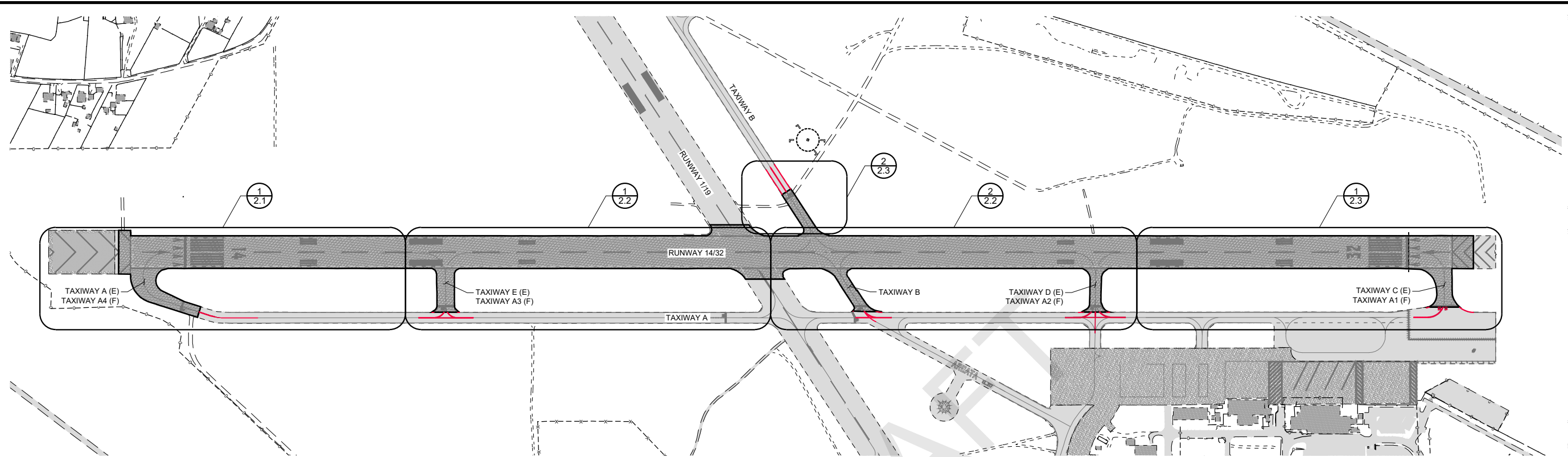
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**GENERAL NOTES, LEGEND & SURVEY CONTROL**

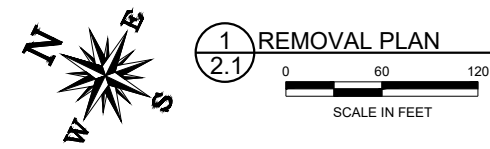
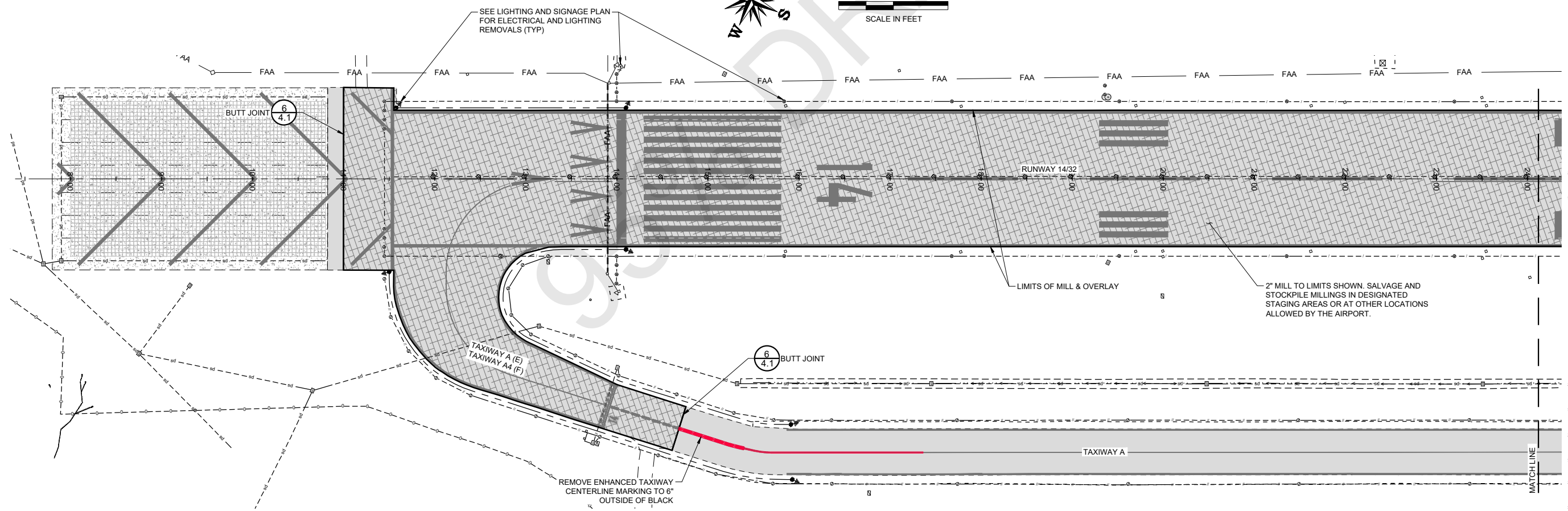
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REMOVAL PLAN KEY MAP



1/2.1 REMOVAL PLAN

NOTE:  
1. SEE LIGHTING AND SIGNAGE PLAN FOR ELECTRICAL AND LIGHTING REMOVALS

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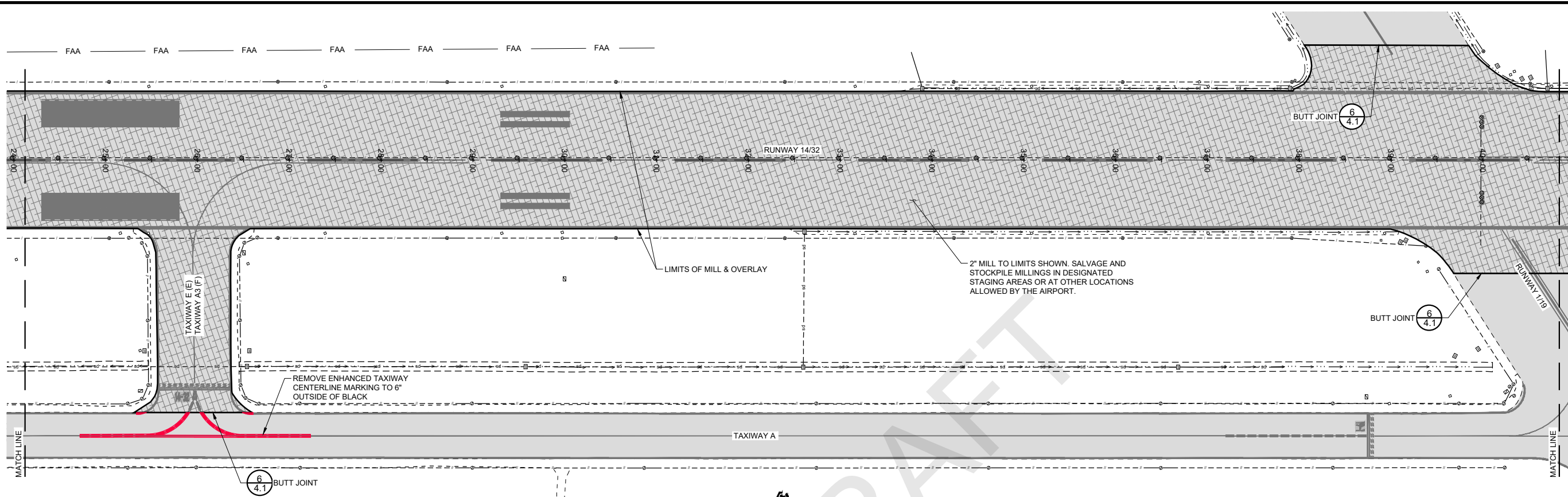
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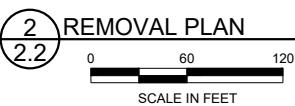
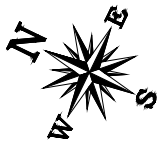
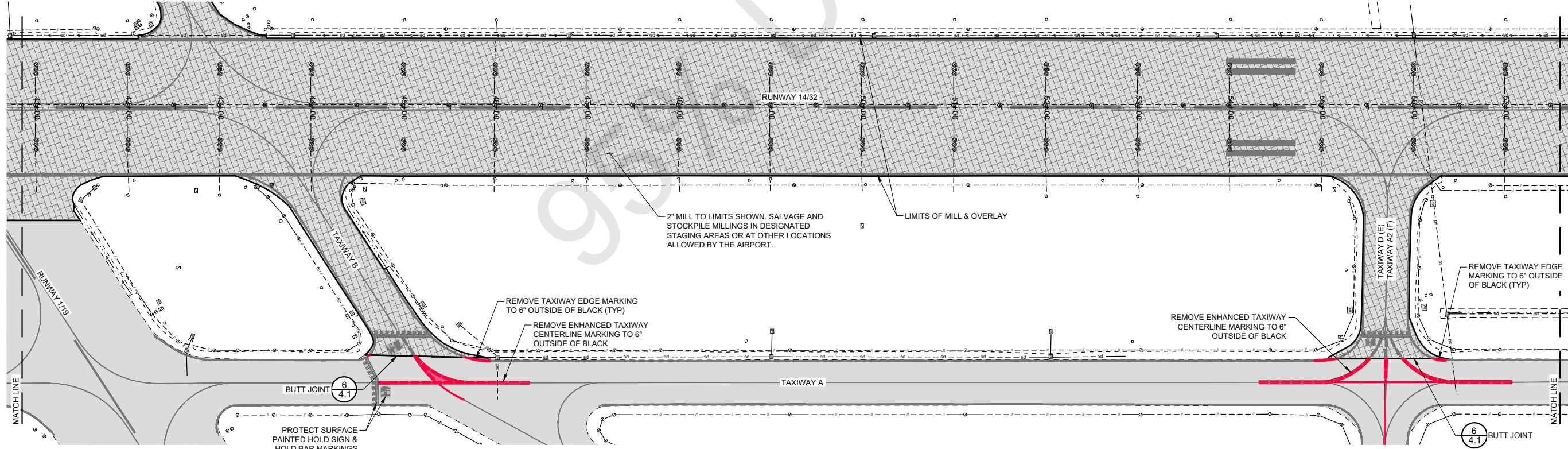
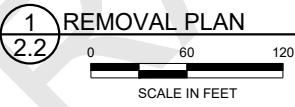
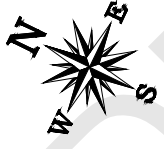
ASPHALT  
REMOVAL  
PLAN

Sheet: 2.1

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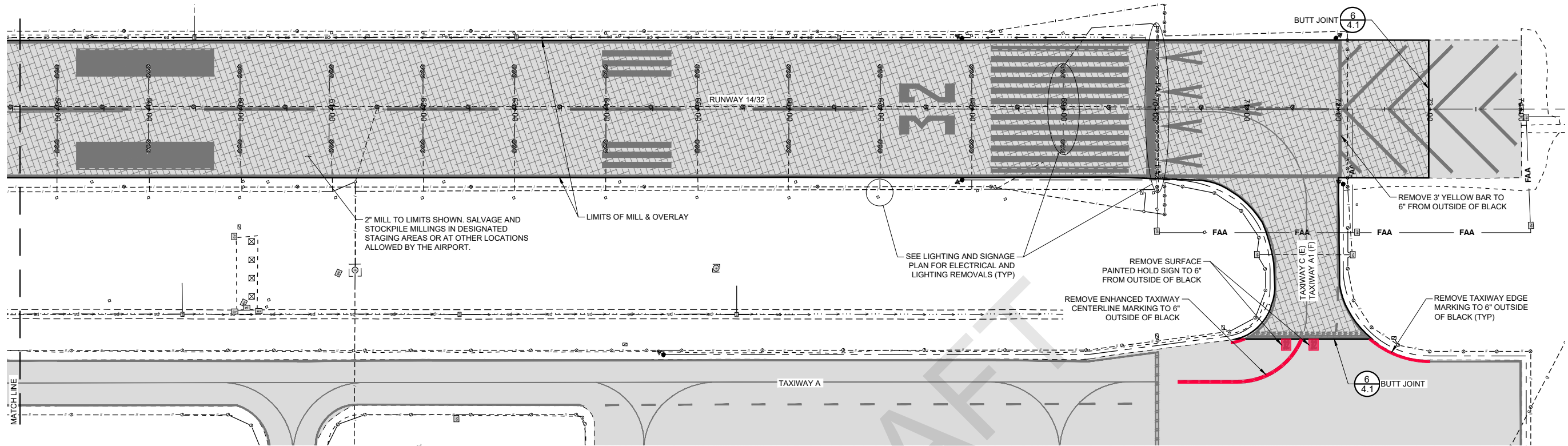
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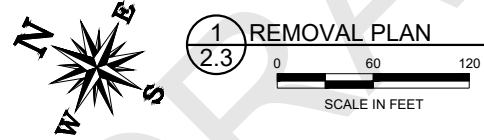
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PLAN

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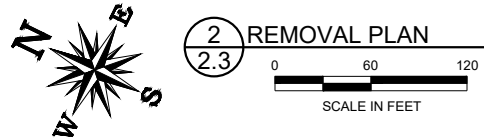
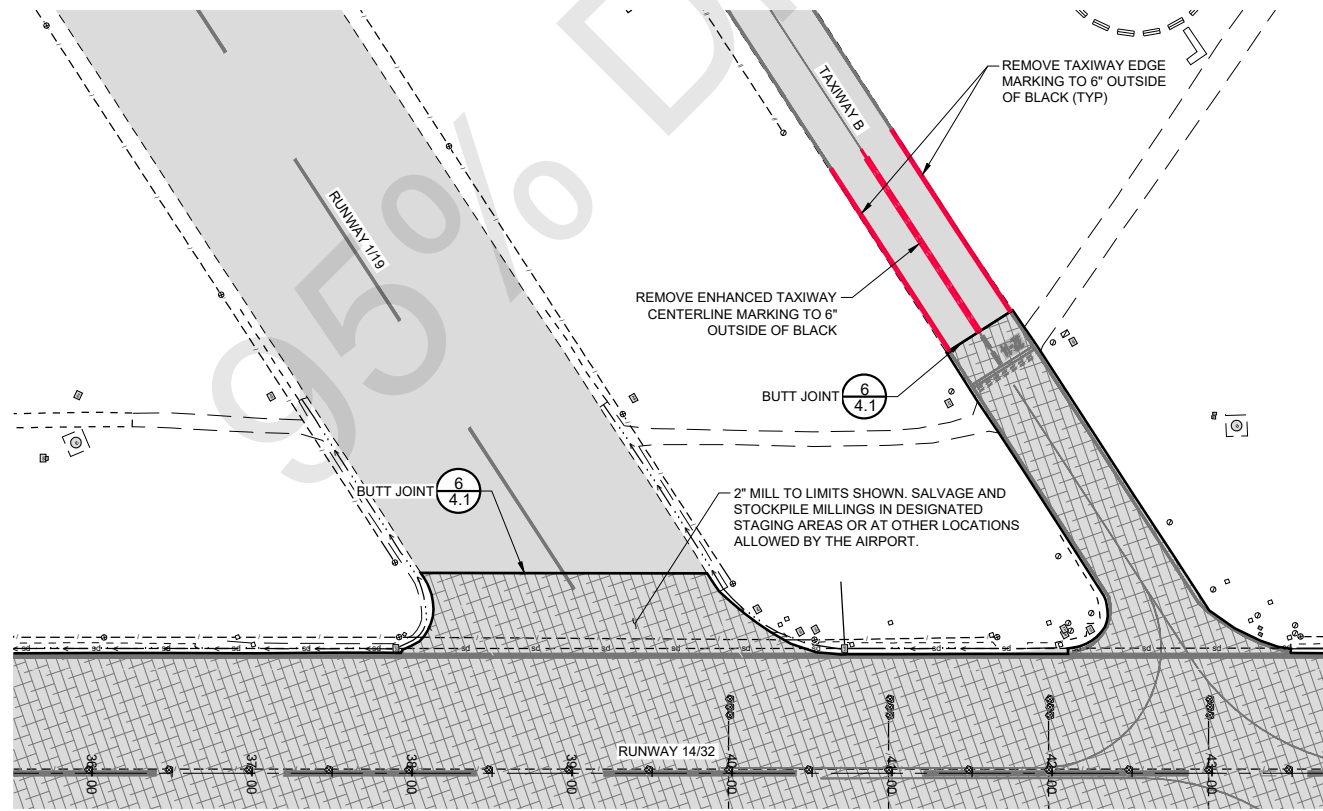
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NOTE:  
1. SEE LIGHTING AND SIGNAGE PLAN FOR ELECTRICAL AND LIGHTING REMOVALS



1 REMOVAL PLAN  
2.3



2 REMOVAL PLAN  
2.3

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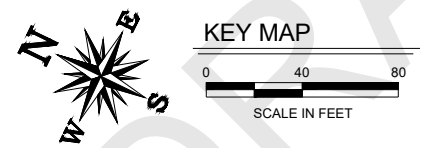
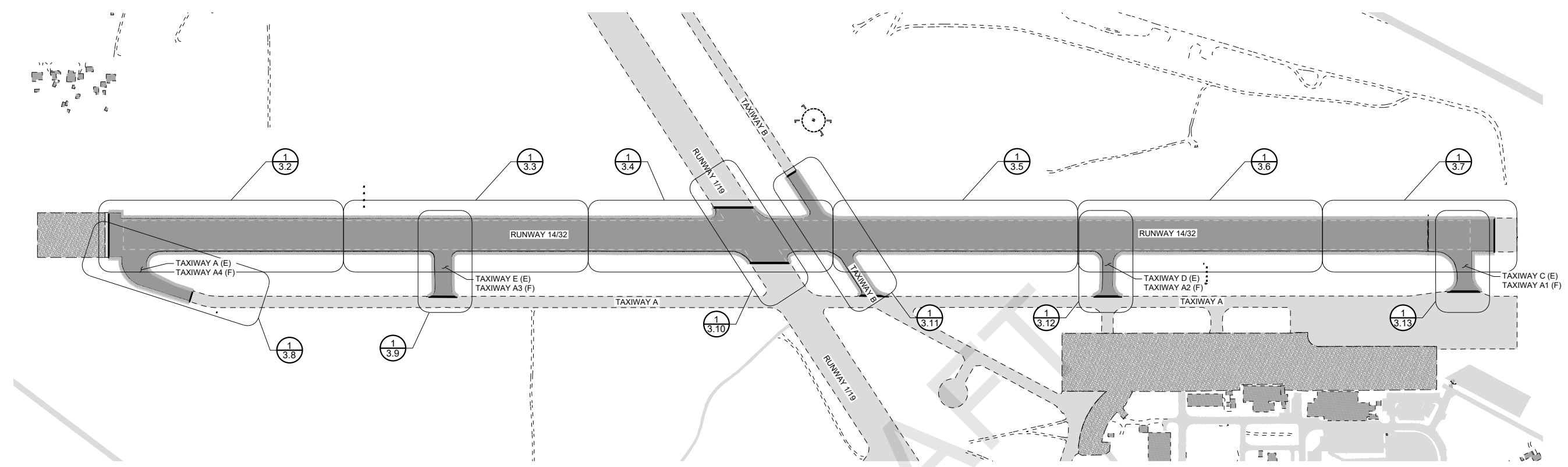
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ASPHALT  
REMOVAL  
PLAN

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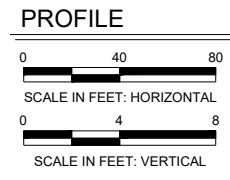
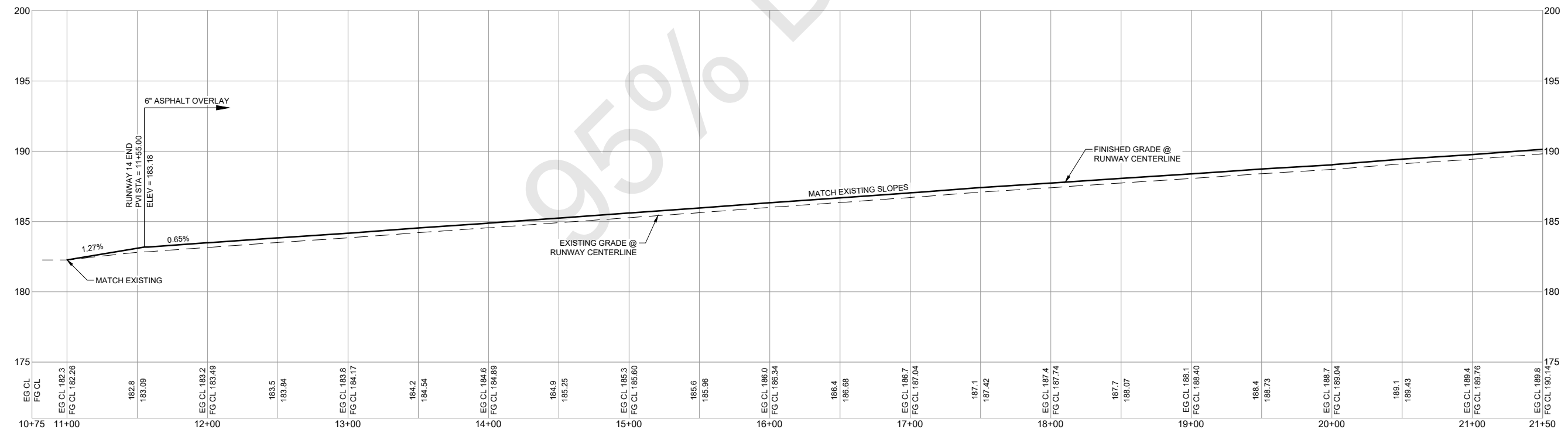
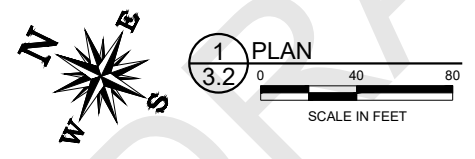
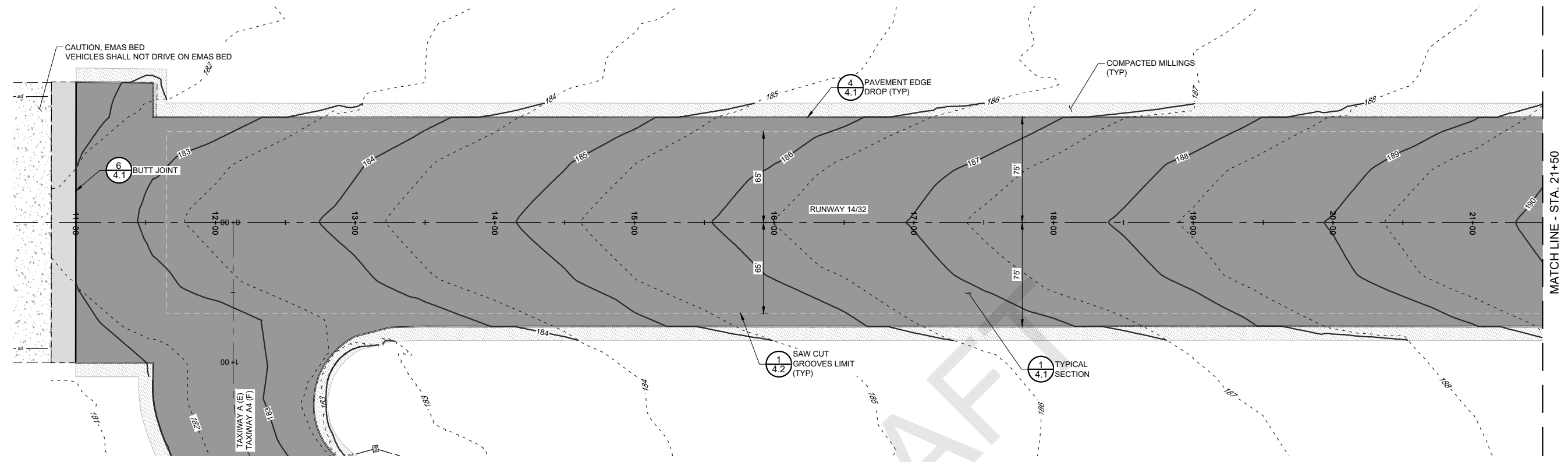
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PLAN & PROFILE

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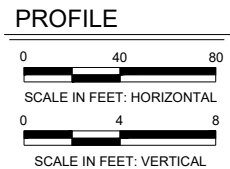
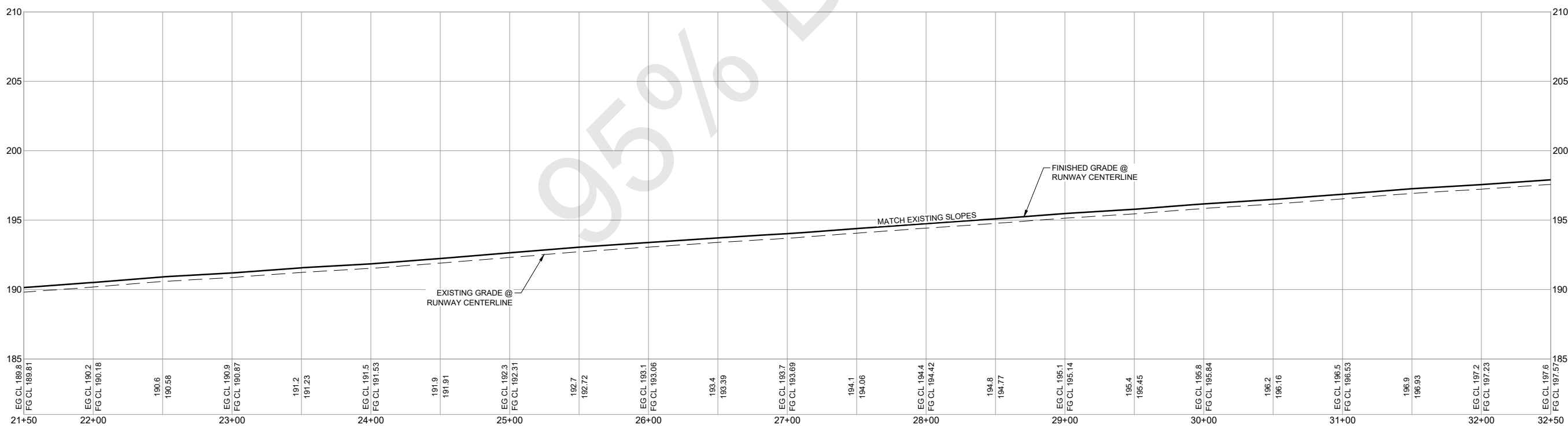
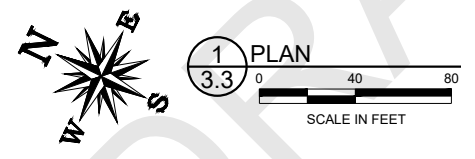
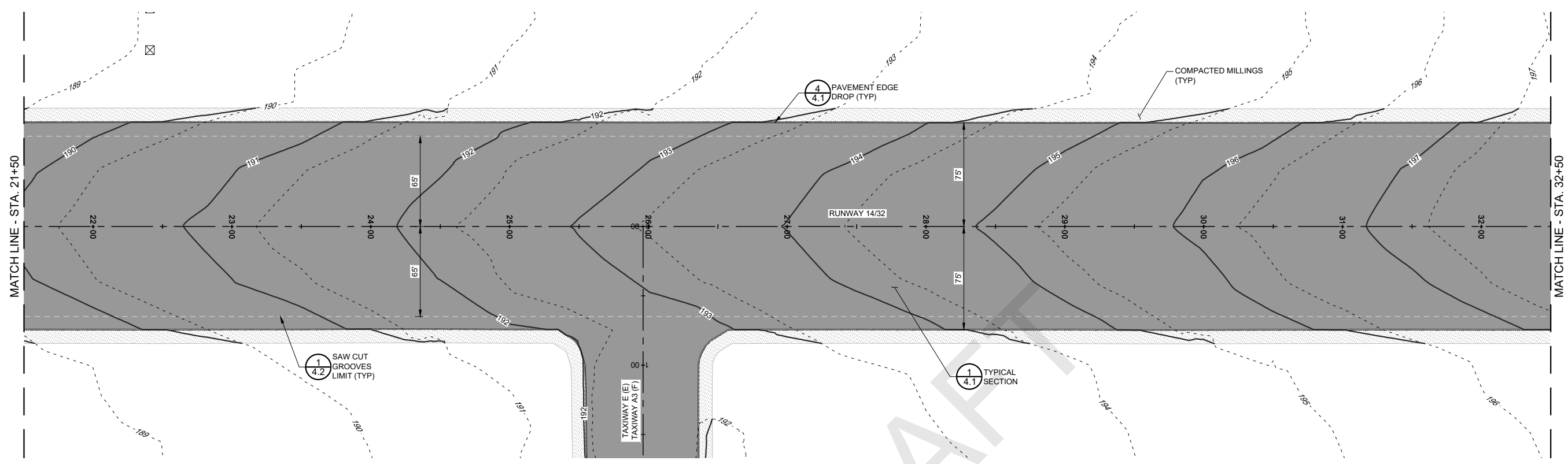
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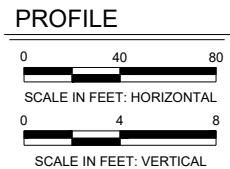
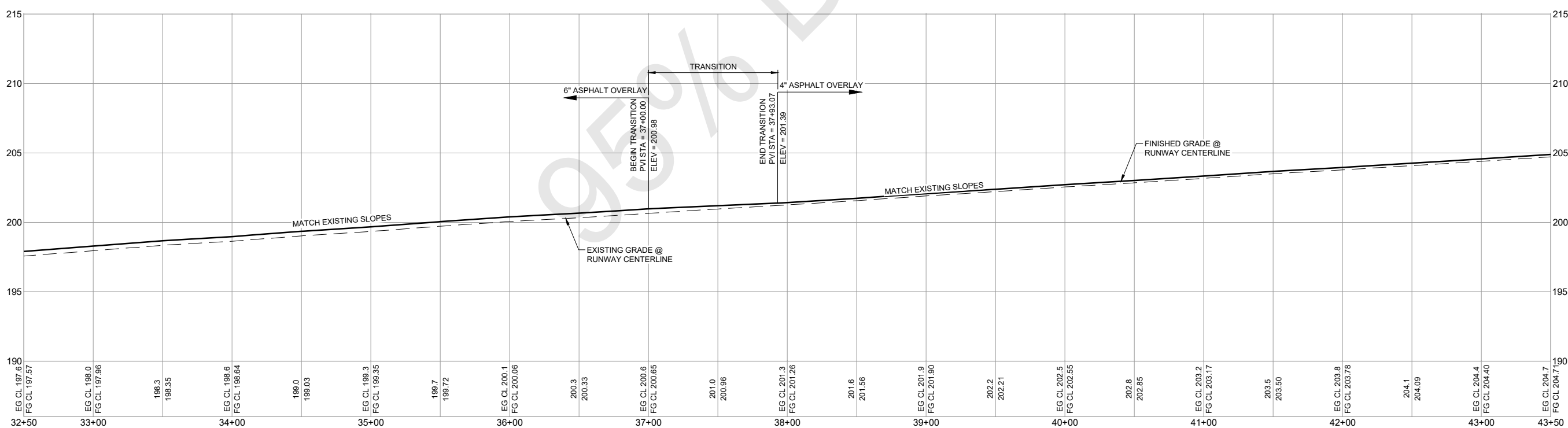
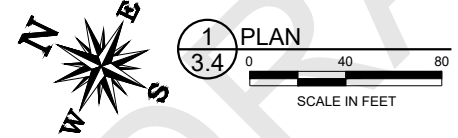
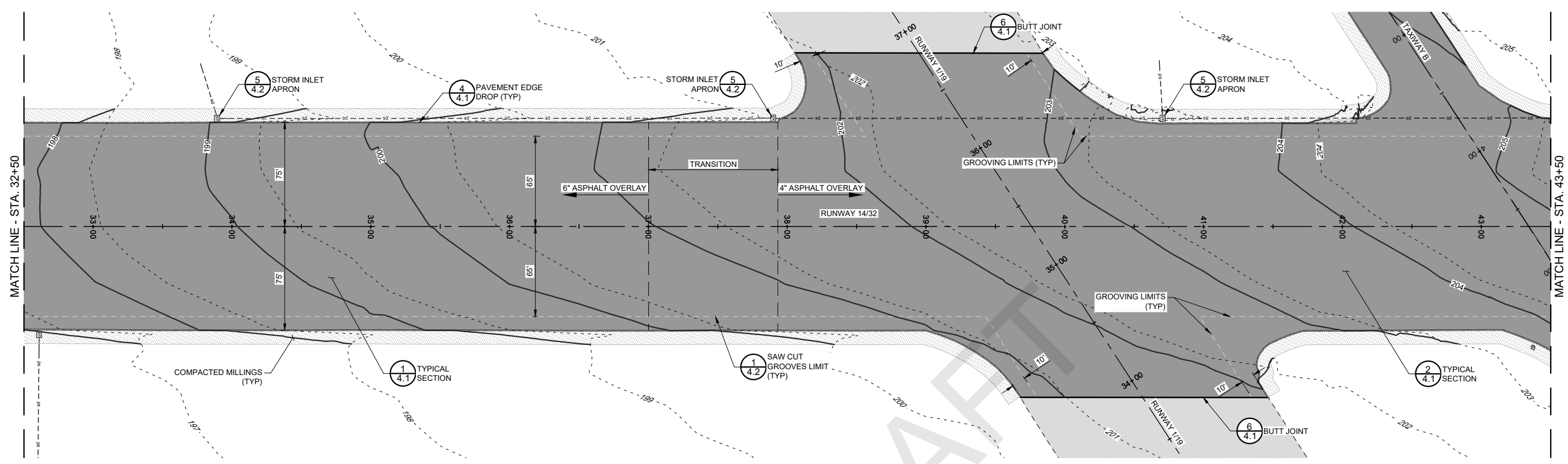
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**PLAN & PROFILE**

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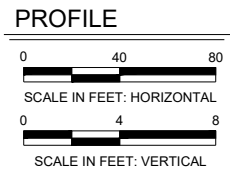
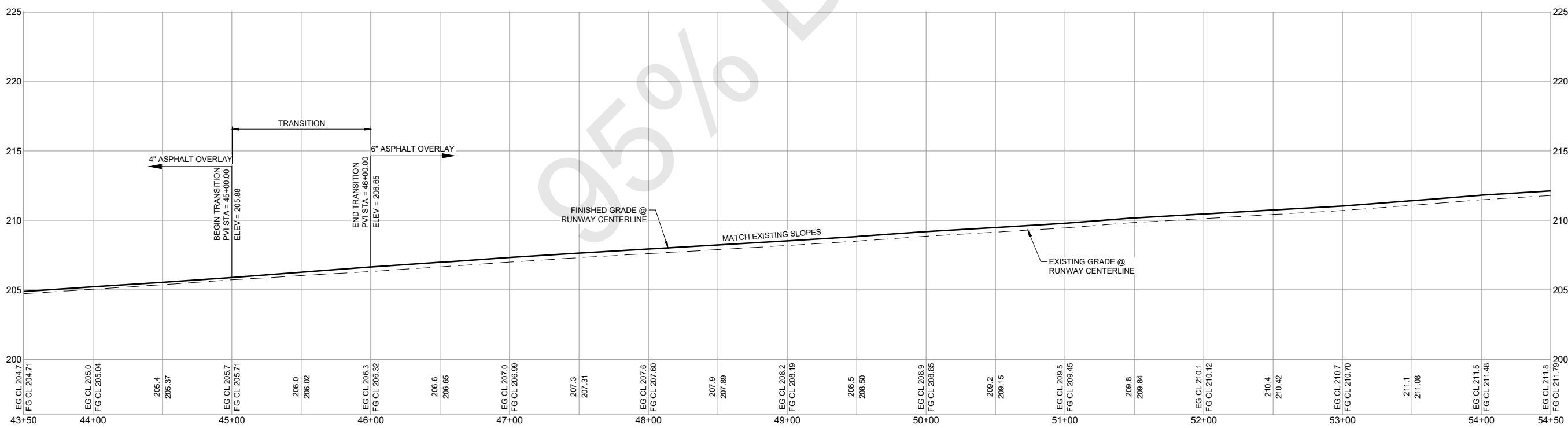
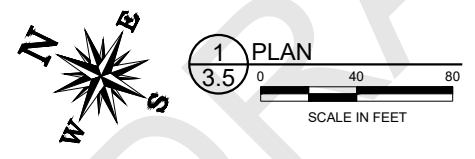
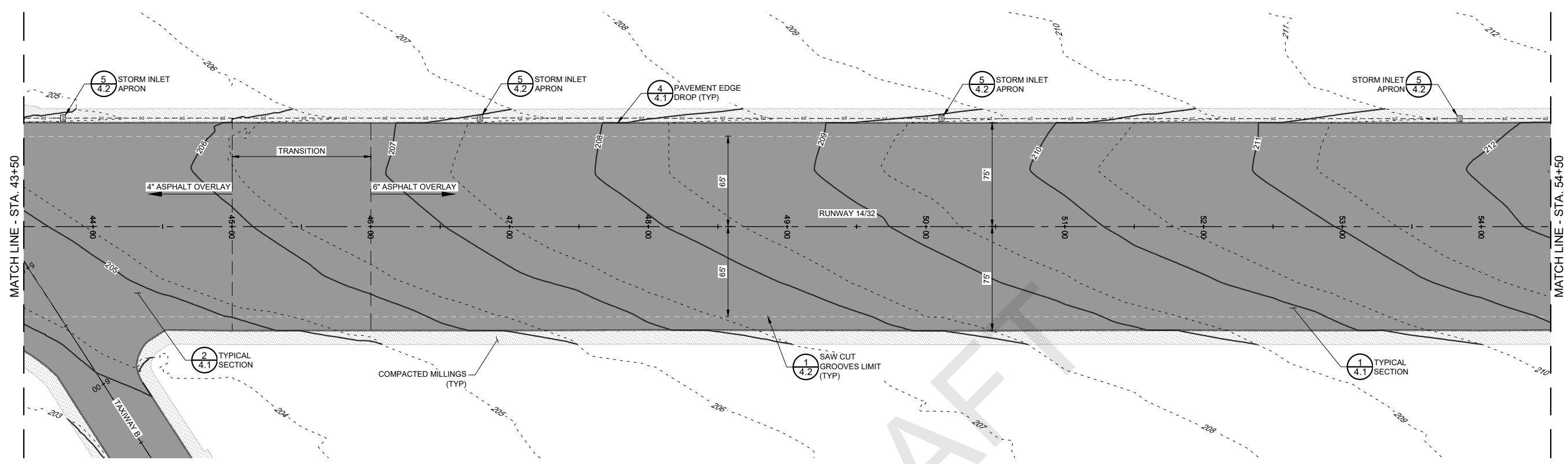
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**PLAN & PROFILE**

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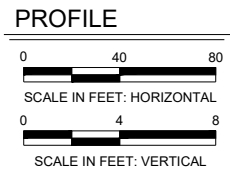
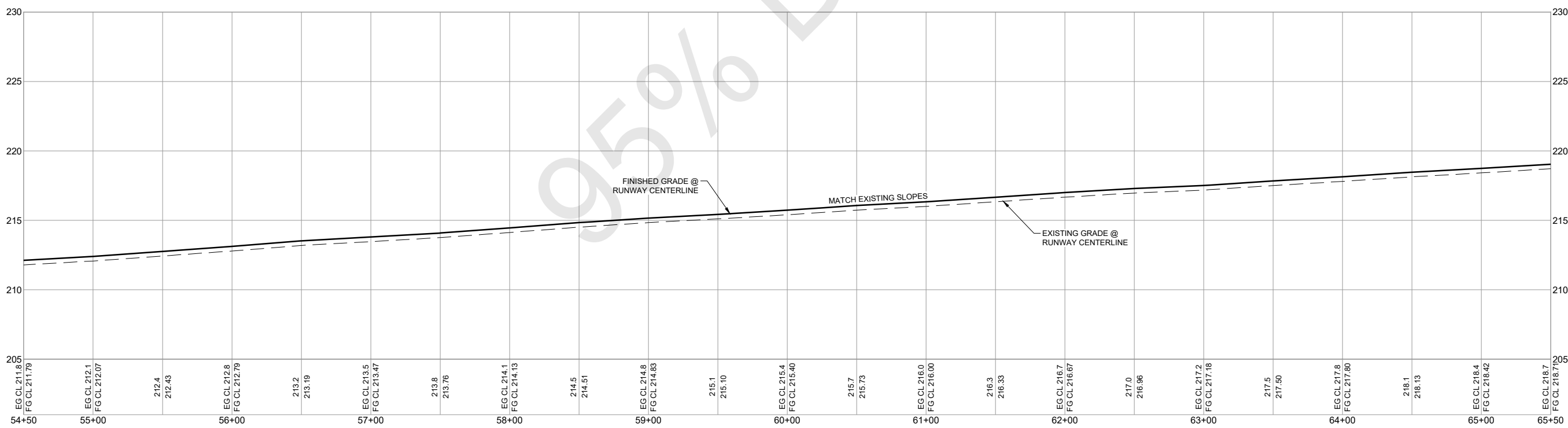
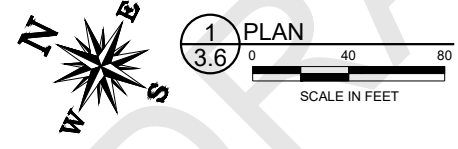
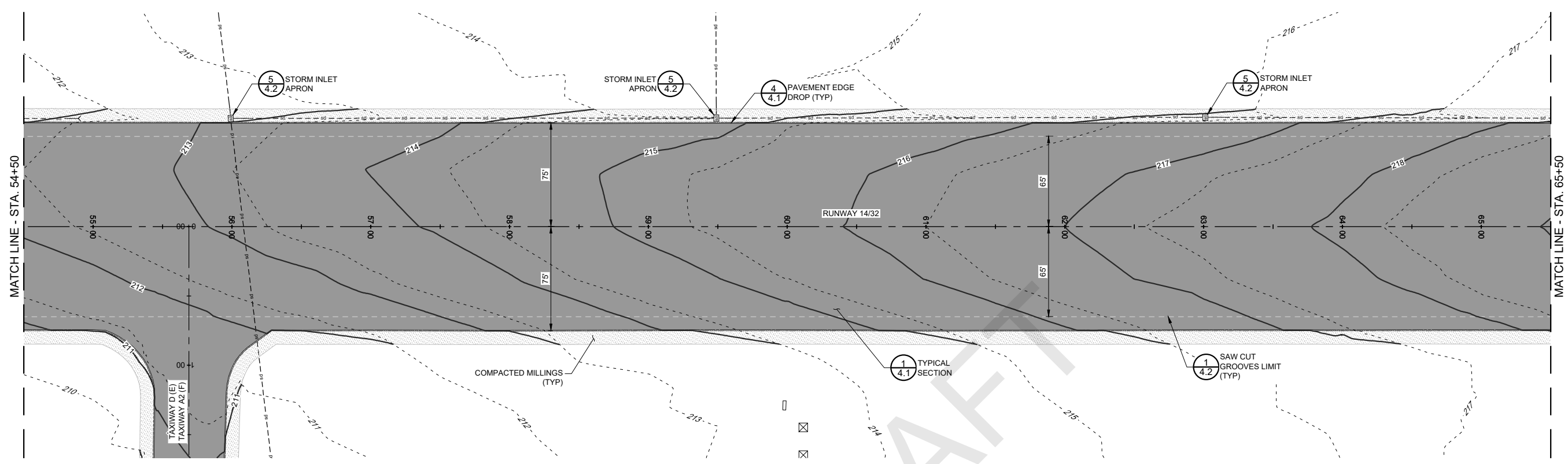
ACI No. 216794  
Date: 1/2022  
File Name: 216794103

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Checked: EFR  
Approved: CSN

PLAN & PROFILE

Sheet: 3.5

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**PRELIMINARY**  
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CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

No.	Revision	Date	By

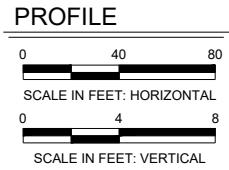
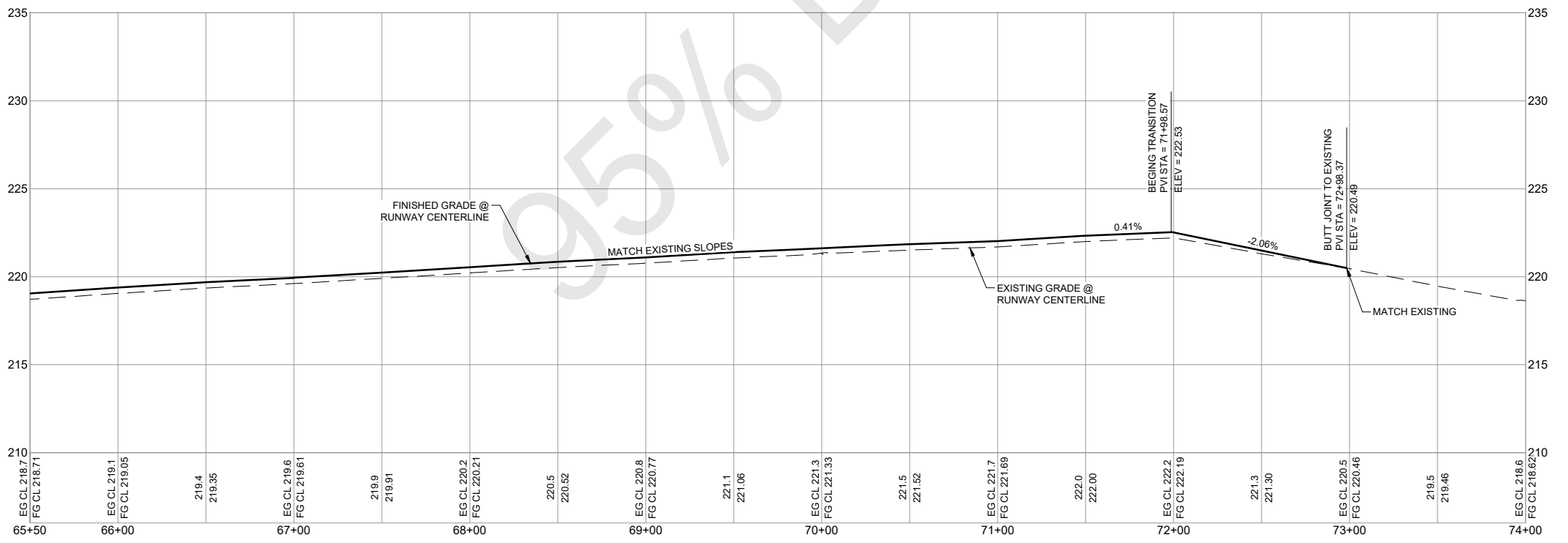
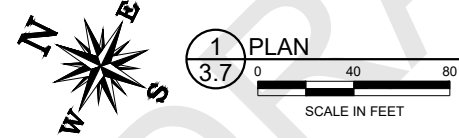
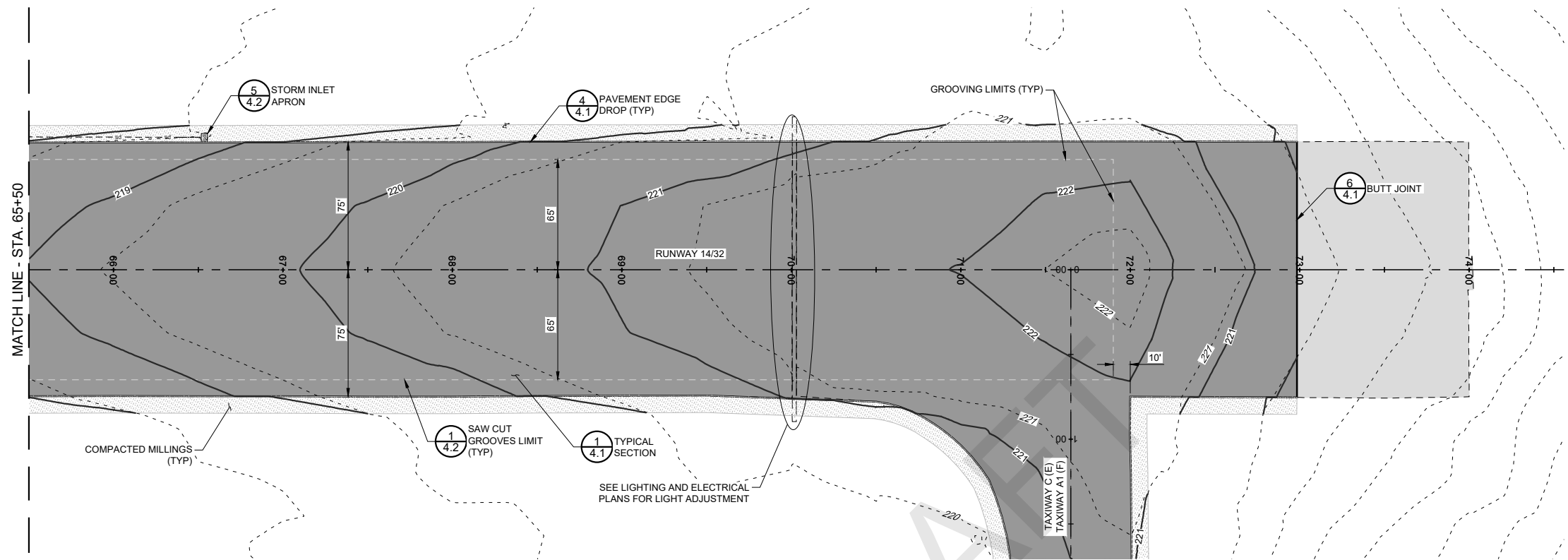
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CALIFORNIA REDWOOD COAST  
 HUMBOLDT COUNTY AIRPORT  
 MCKINLEYVILLE, CA  
 REHAB RW 14/32 & LIGHTING SYSTEM  
 AIP No. 3-06-0010-053-2022

No.	Revision	Date	By

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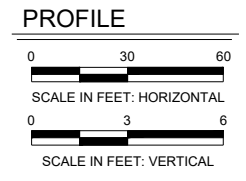
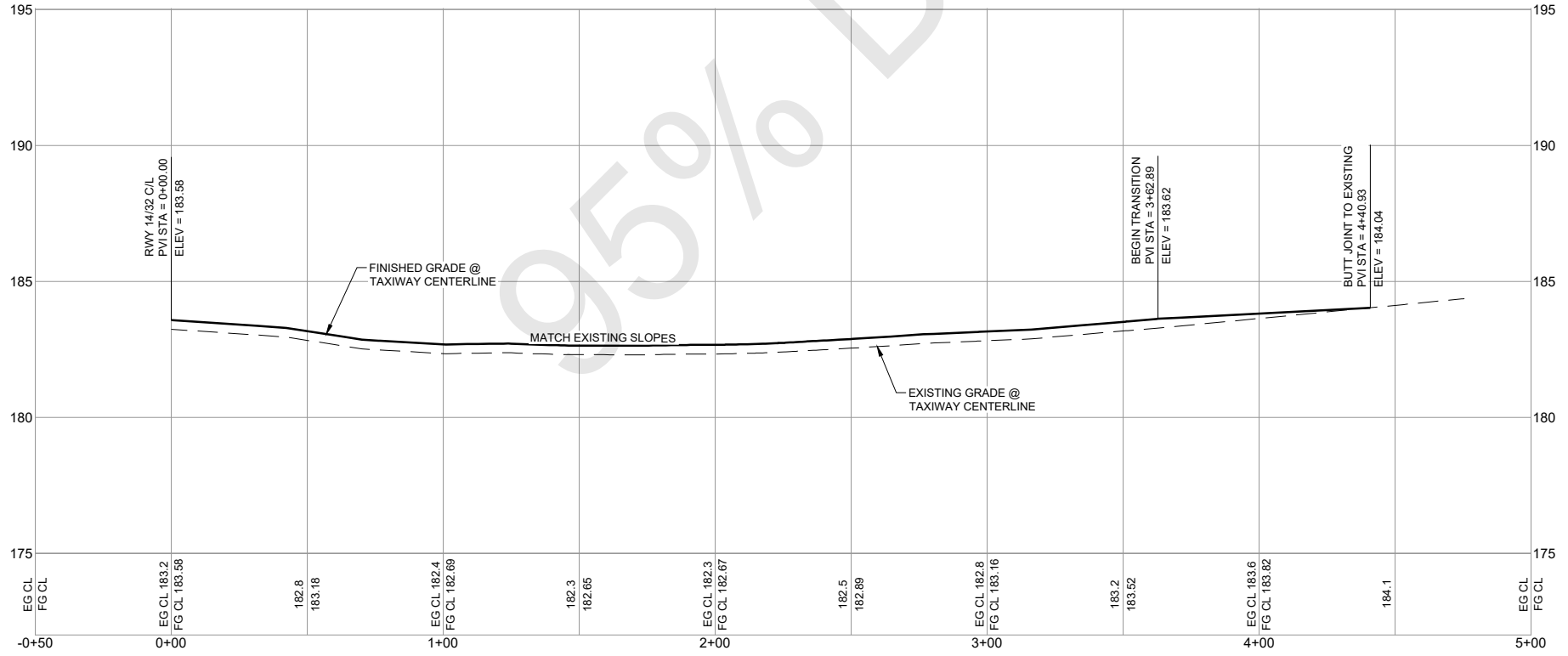
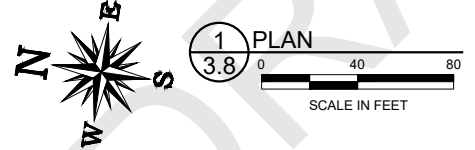
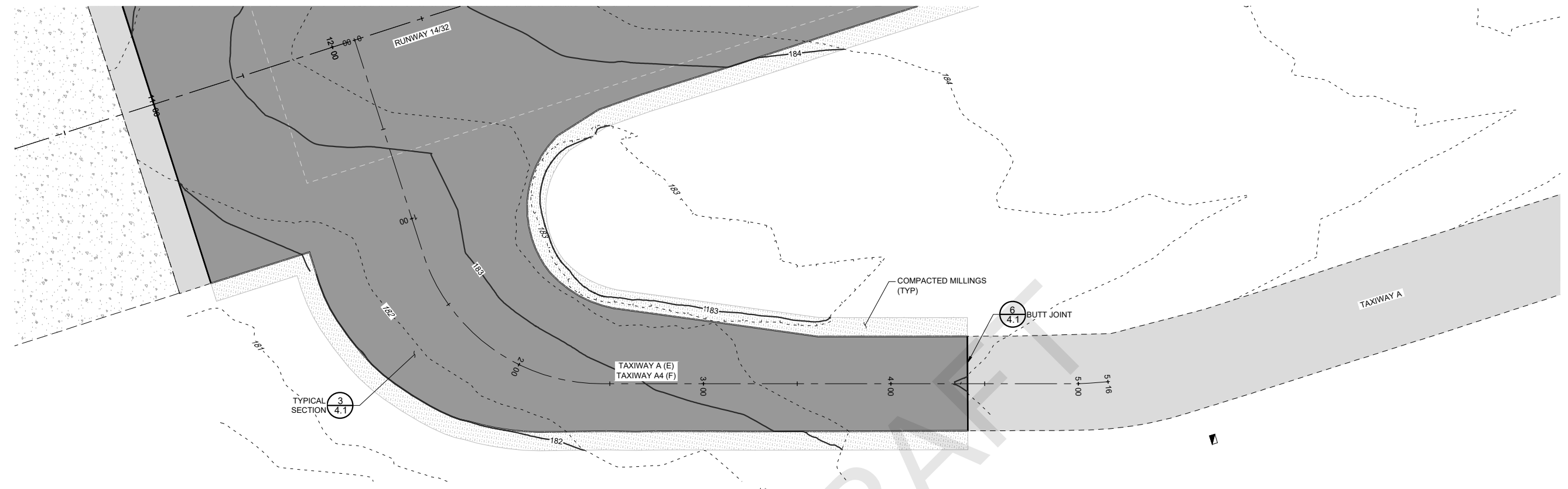
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**PRELIMINARY**  
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**PLAN & PROFILE**

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CALIFORNIA REDWOOD COAST  
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MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
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No.	Revision	Date	By

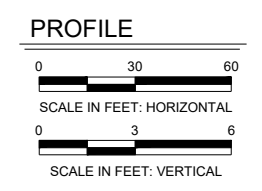
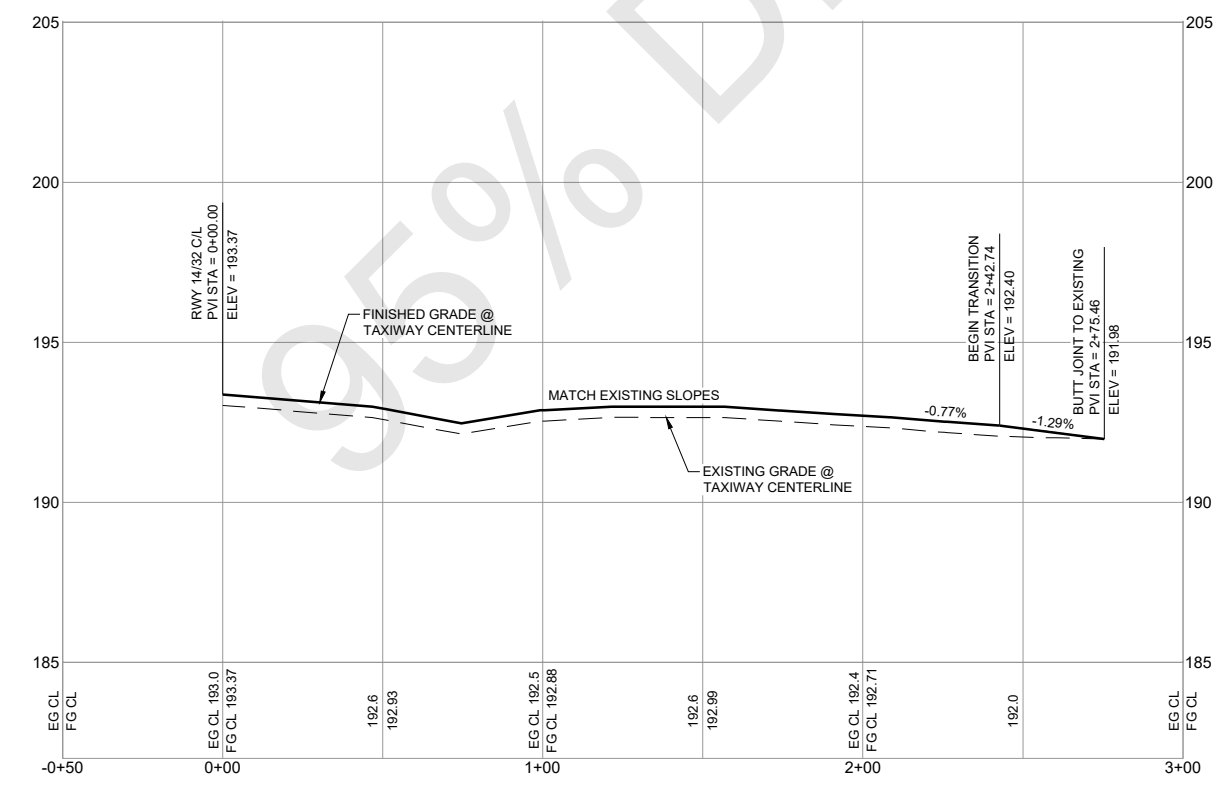
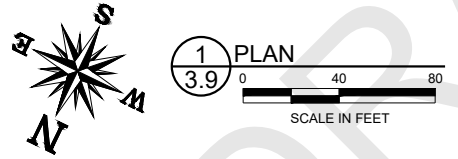
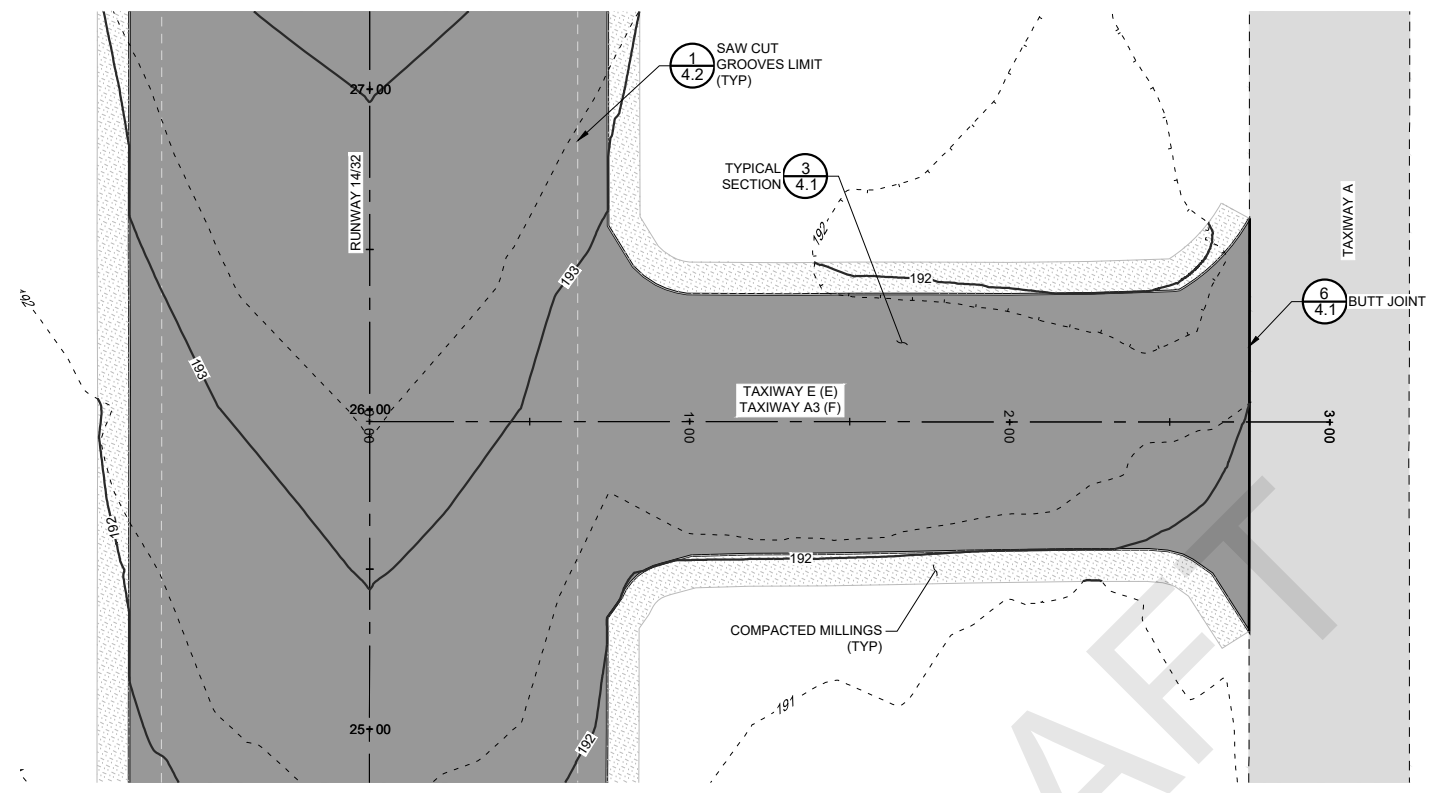
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**NOT FOR CONSTRUCTION**

PLAN & PROFILE

Sheet: **3.8**



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CALIFORNIA REDWOOD COAST  
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MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

No.	Revision	Date	By

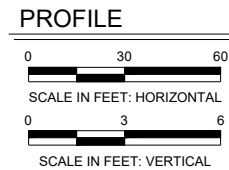
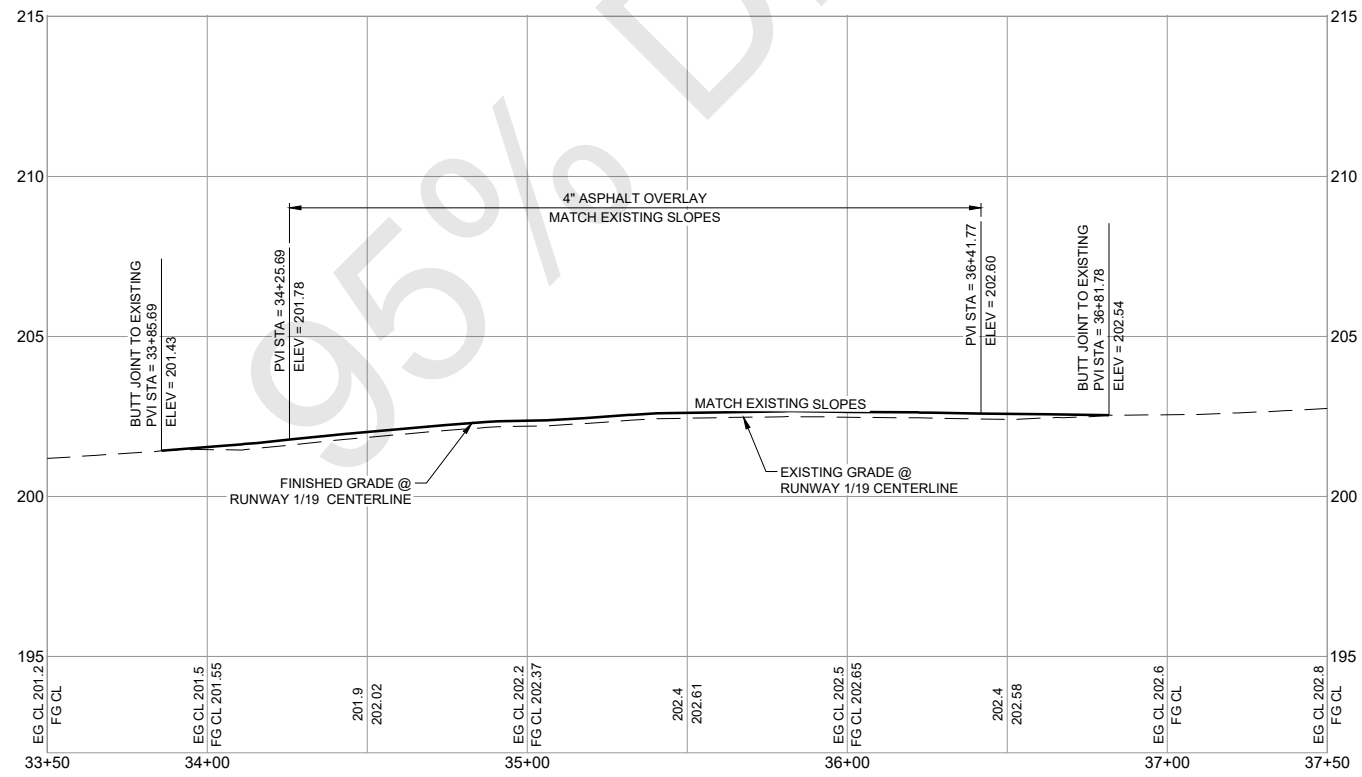
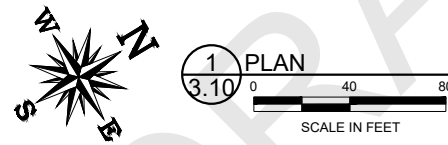
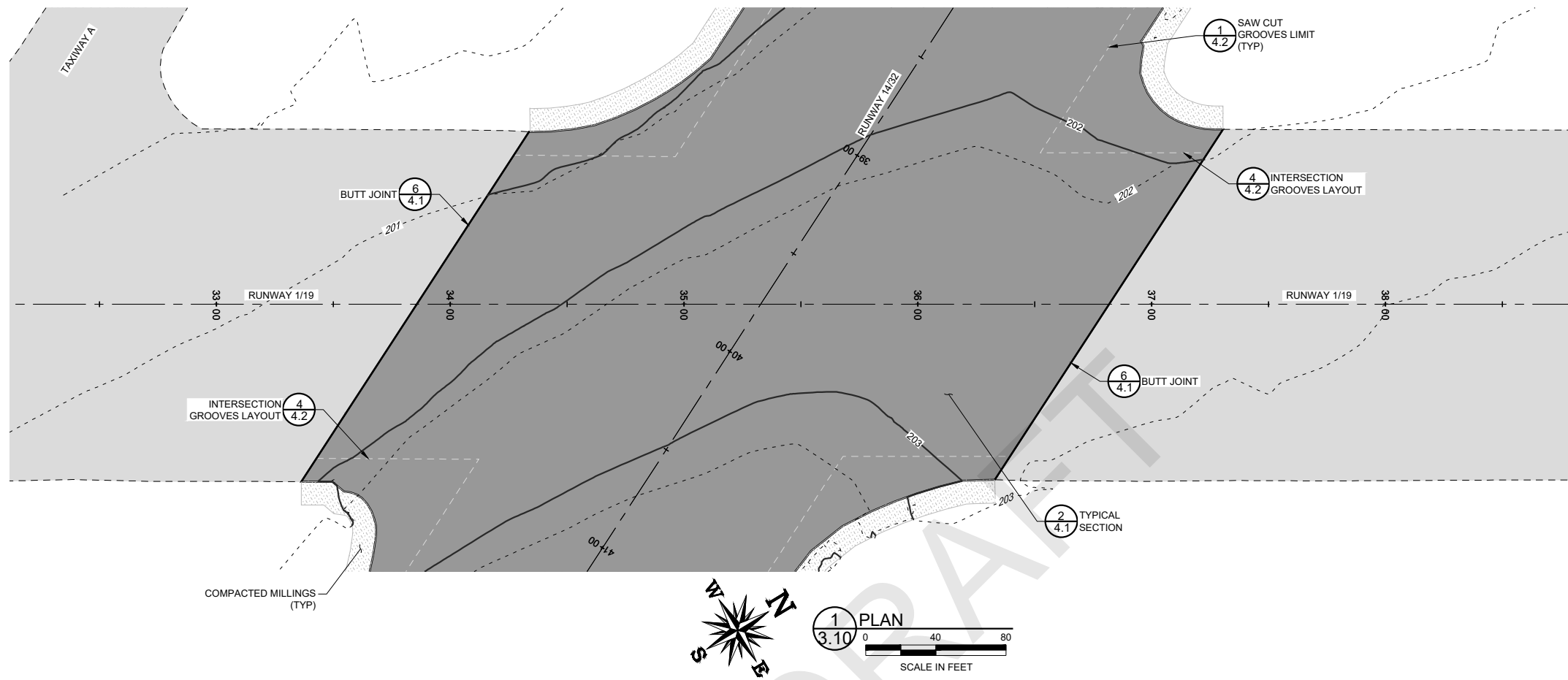
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PLAN & PROFILE

Sheet: 3.9

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CALIFORNIA REDWOOD COAST  
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No.	Revision	Date	By

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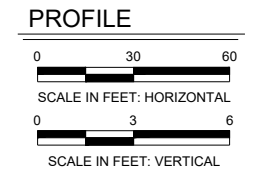
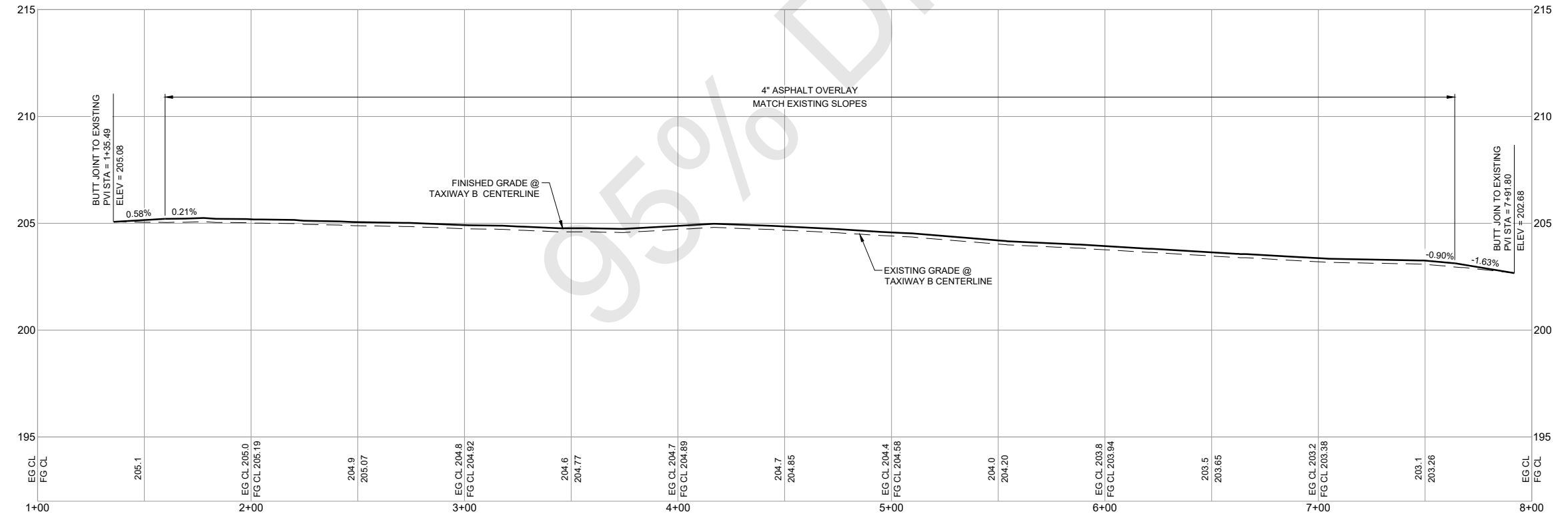
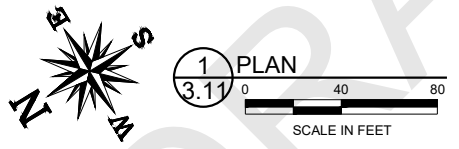
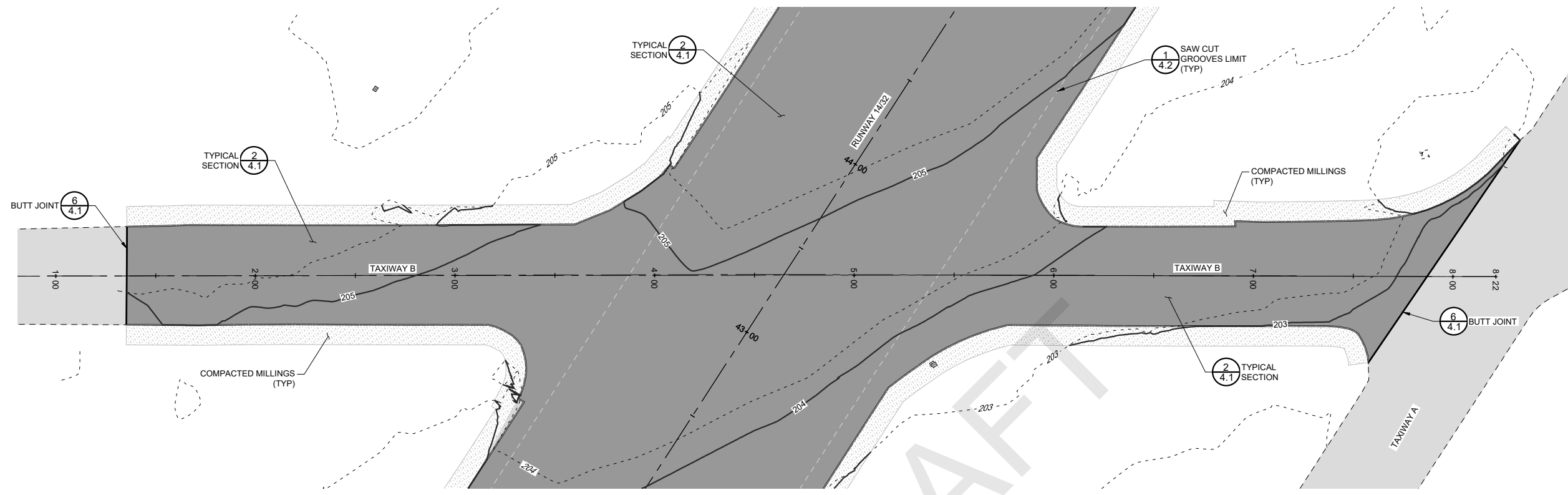
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PLAN & PROFILE

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No.	Revision	Date	By

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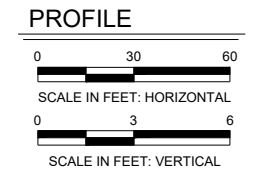
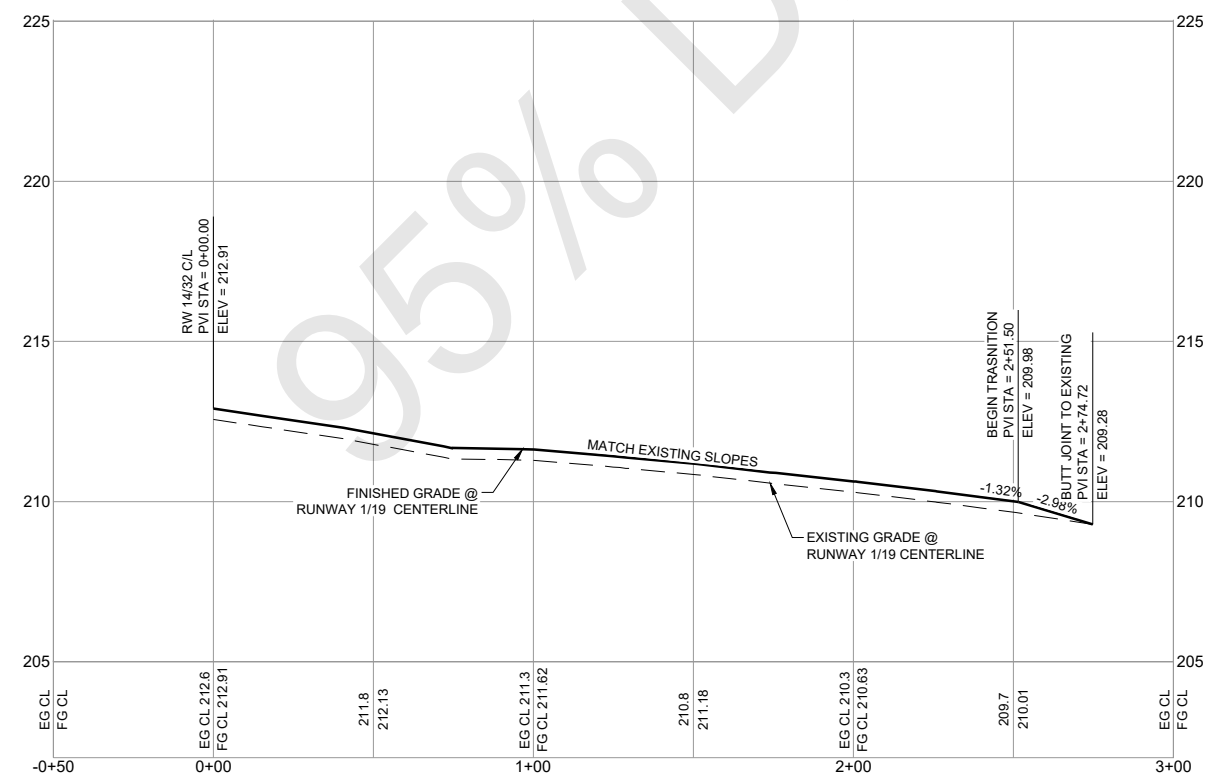
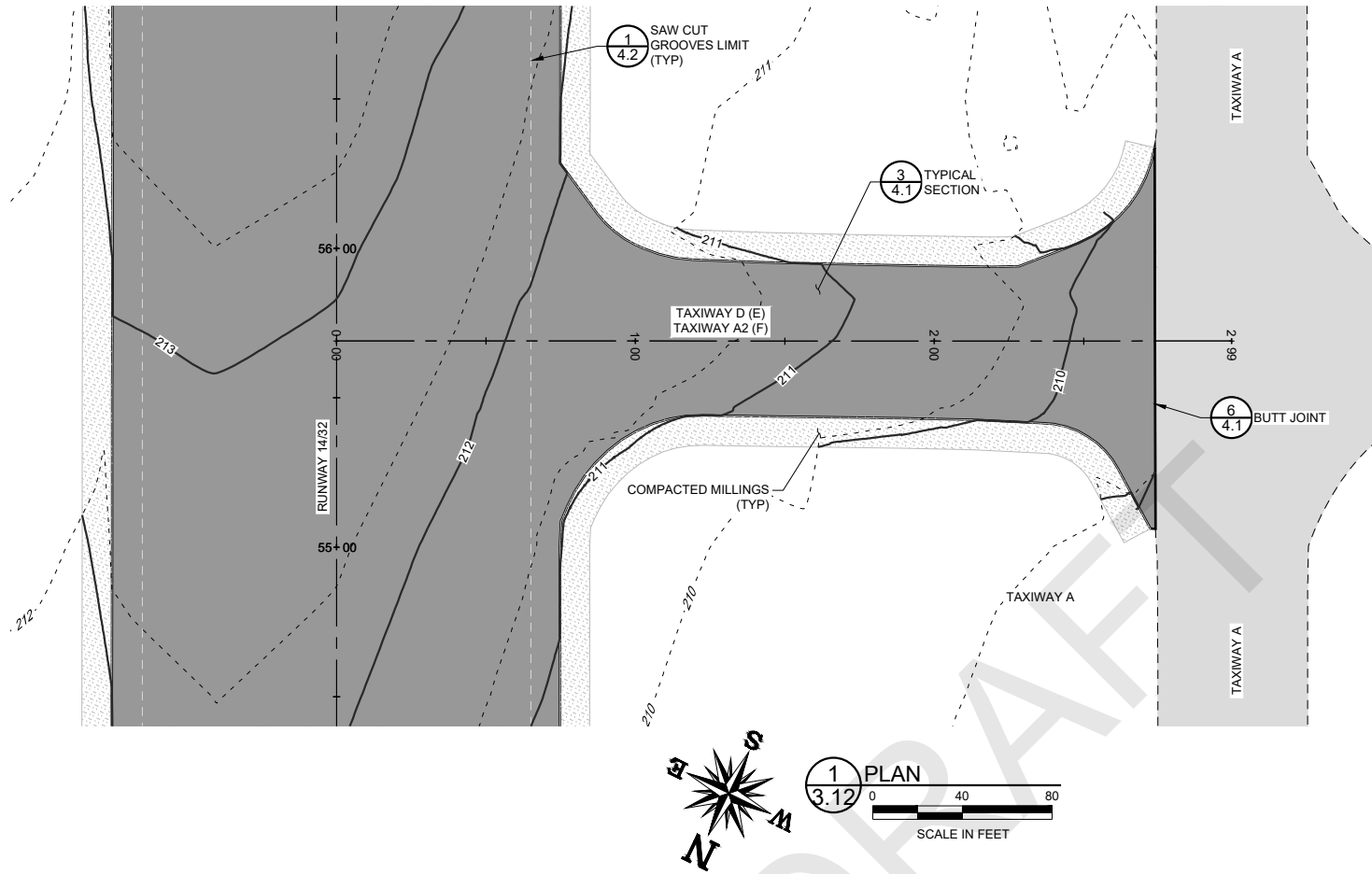
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CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

No.	Revision	Date	By

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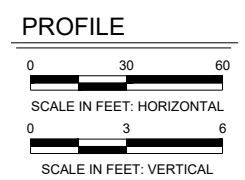
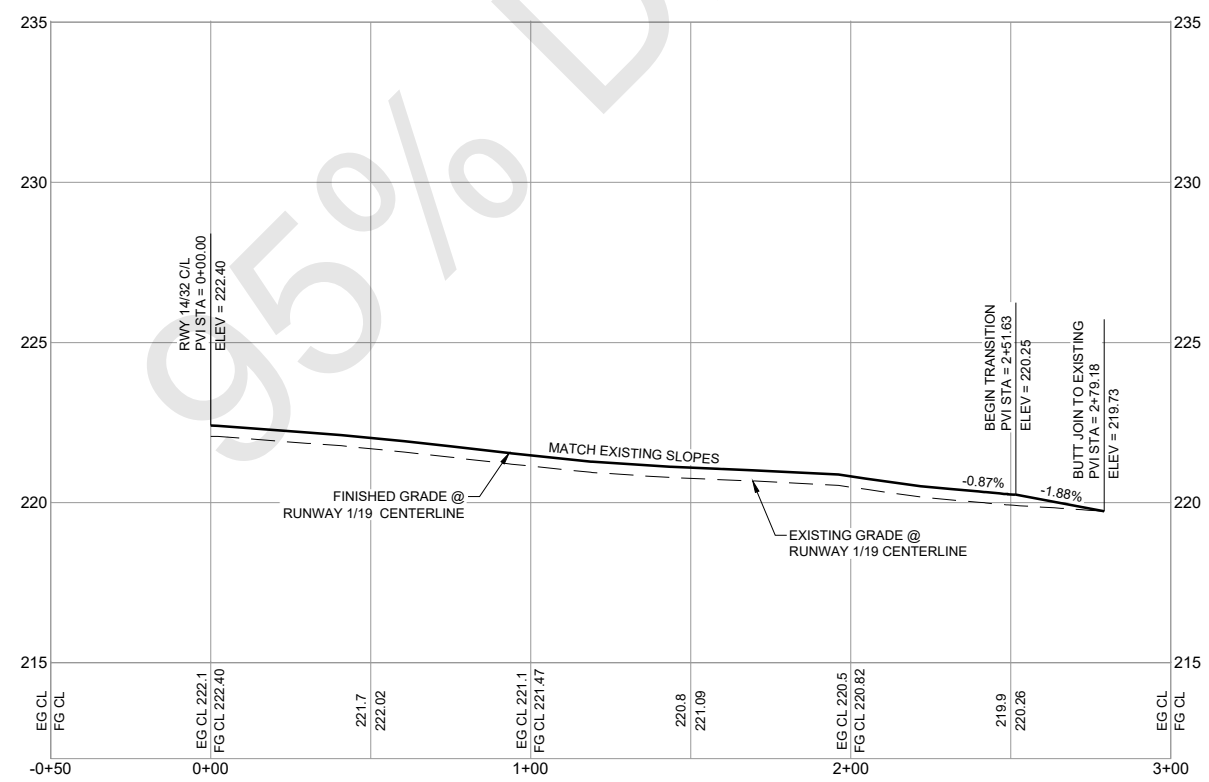
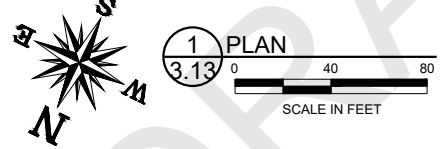
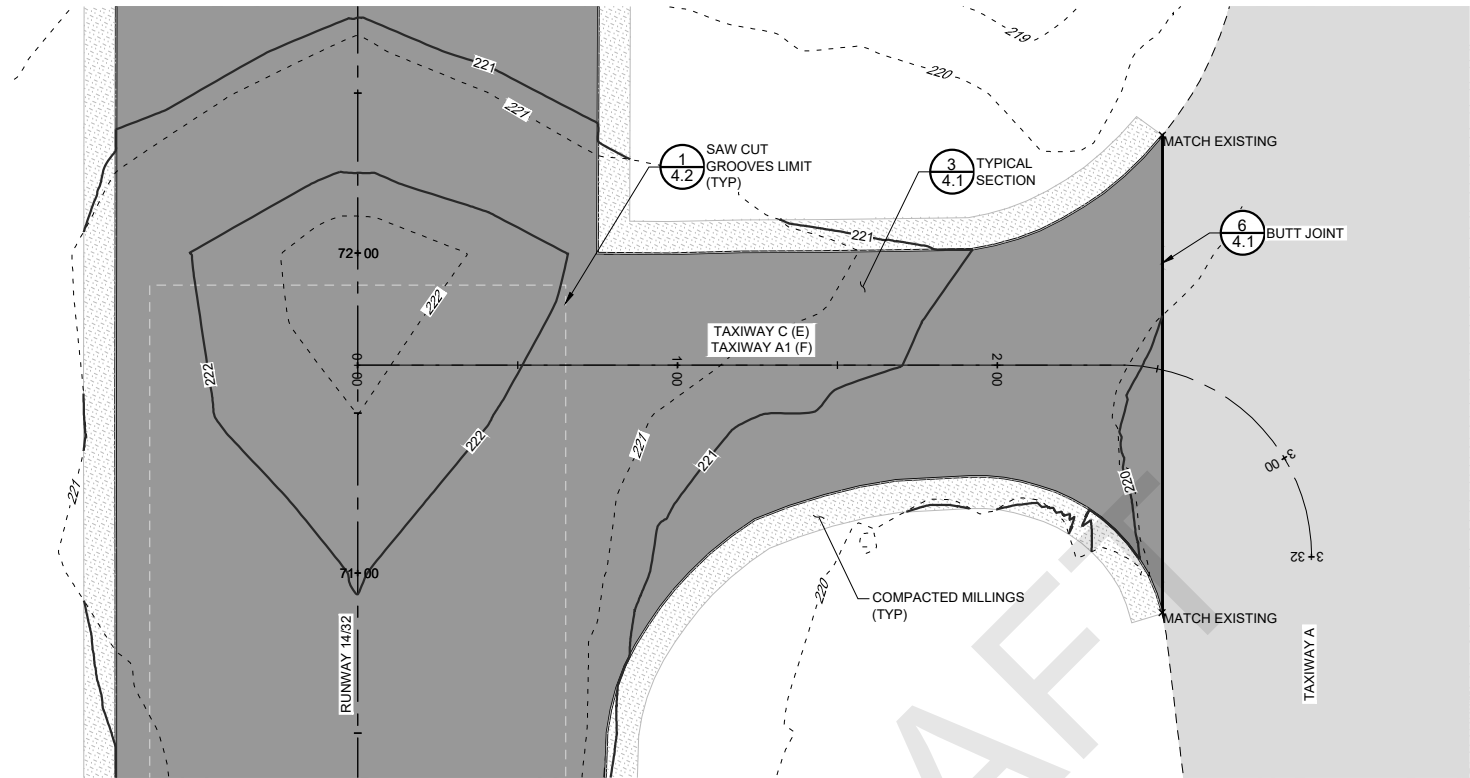
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CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

No.	Revision	Date	By

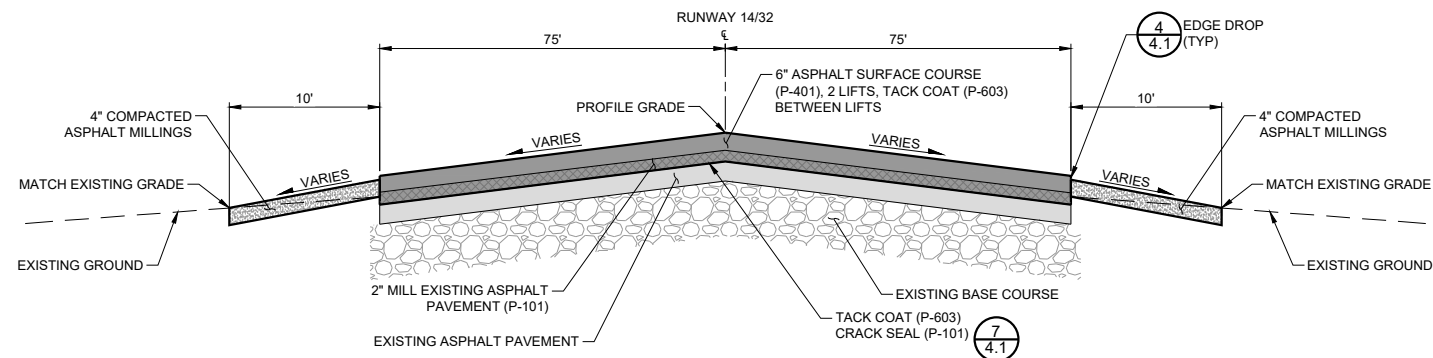
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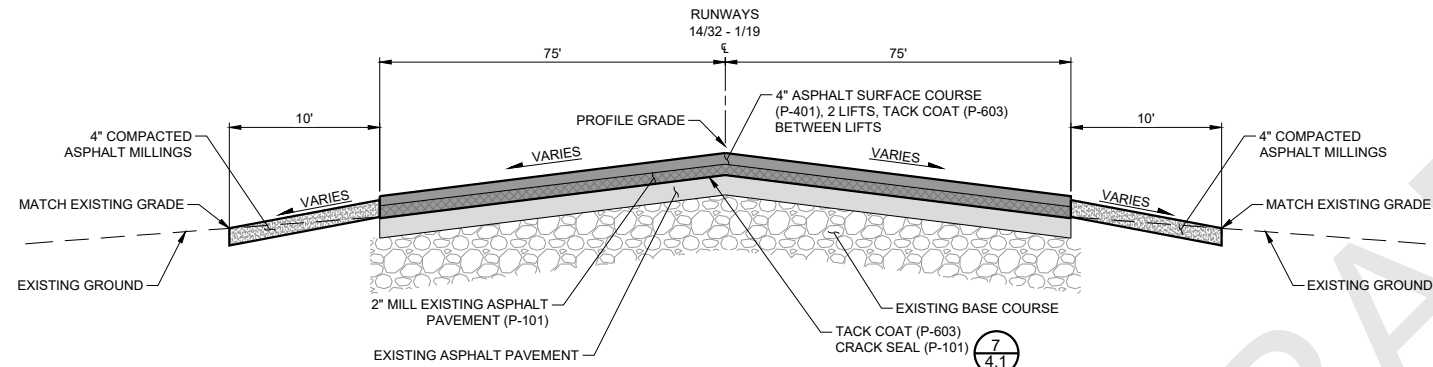
PLAN & PROFILE

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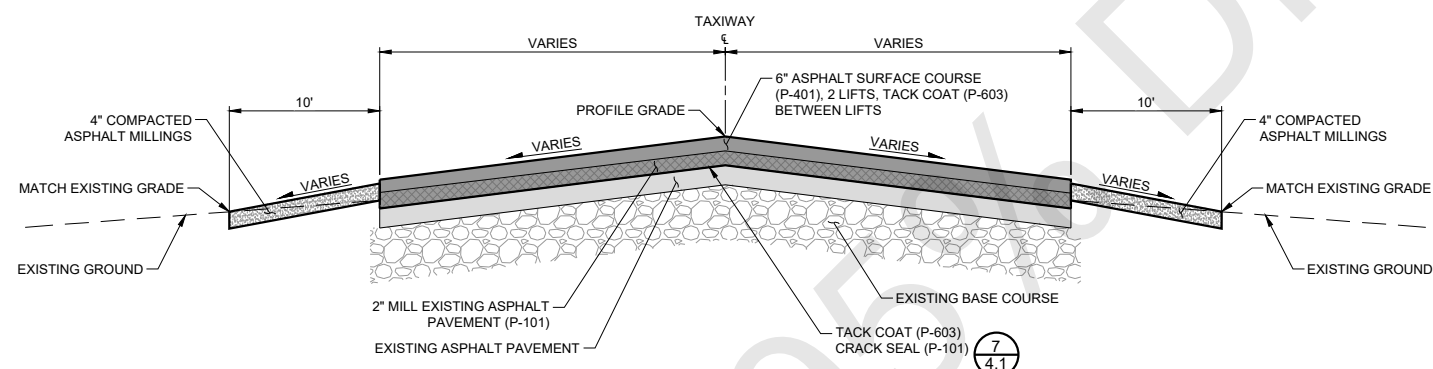
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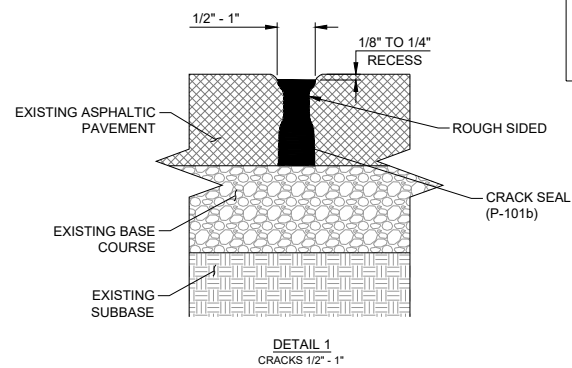
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**2 RUNWAY TYPICAL SECTION**  
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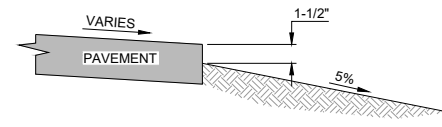
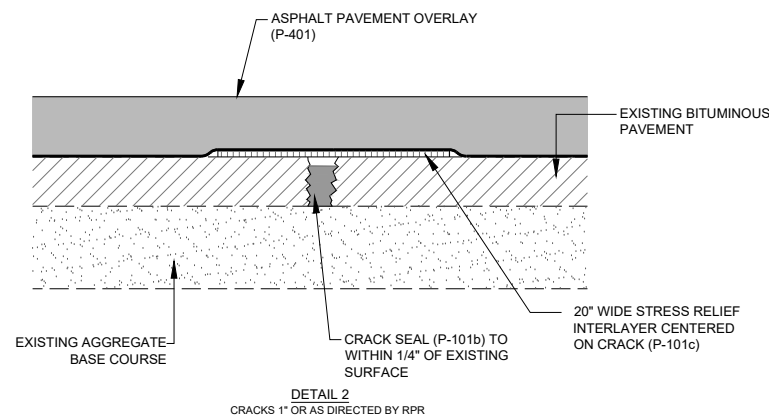


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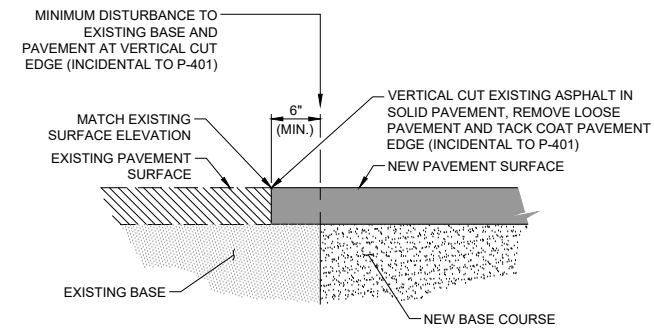


**NOTE:**  
1. PRIOR TO SEALING CRACKS, CLEAN AND DRY CRACKS WITH COMPRESSED AIR TO REMOVE ALL LOOSE PARTICLES AND DEBRIS

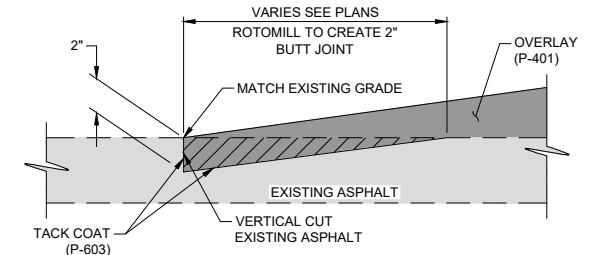
**7 P-101 CRACK SEALING**  
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**4 PAVEMENT EDGE DROP**  
4.1 NOT TO SCALE



**5 JOINT AT EXISTING PAVEMENT EDGE**  
4.1 NOT TO SCALE



**6 BUTT JOINT DETAIL**  
4.1 NOT TO SCALE

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
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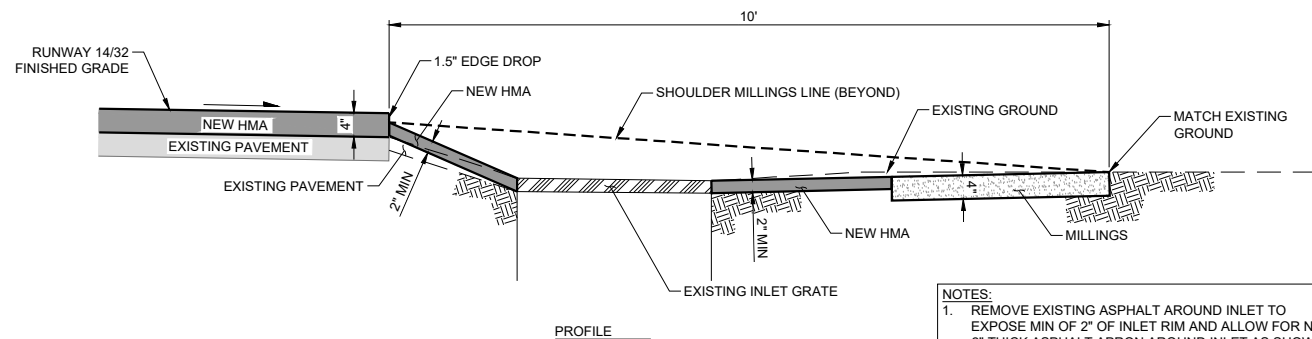
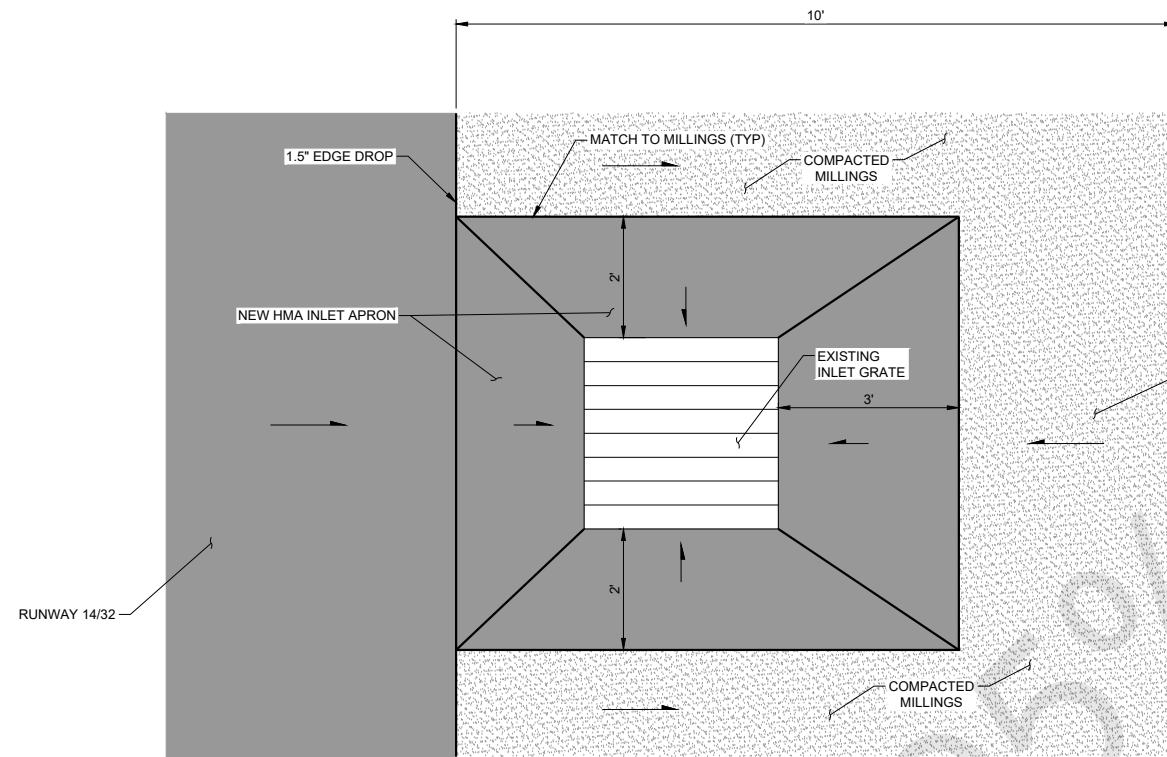
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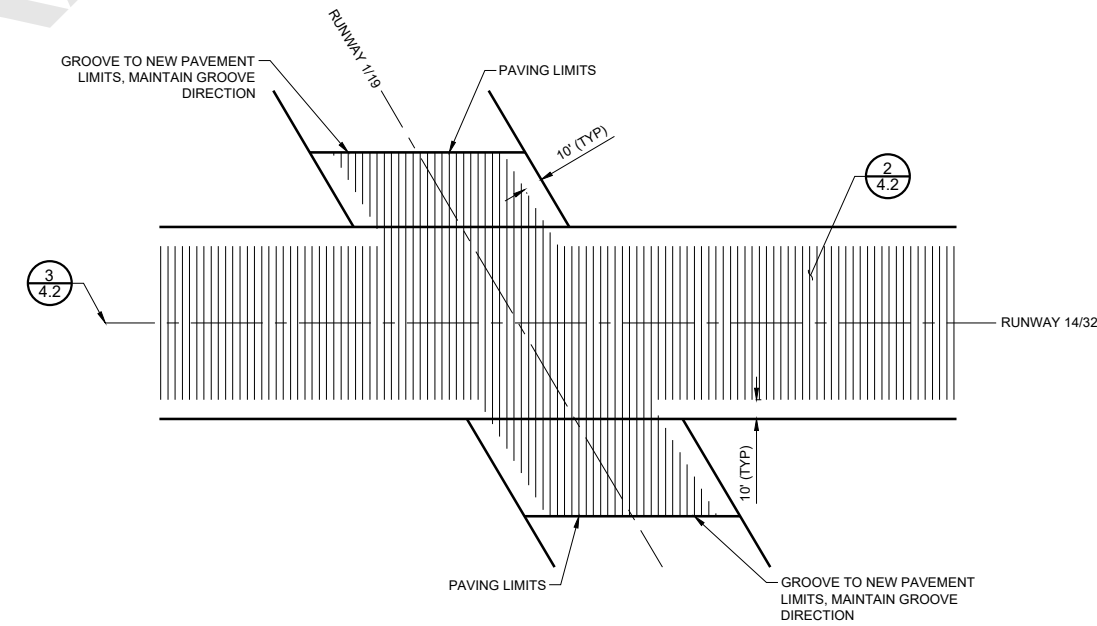
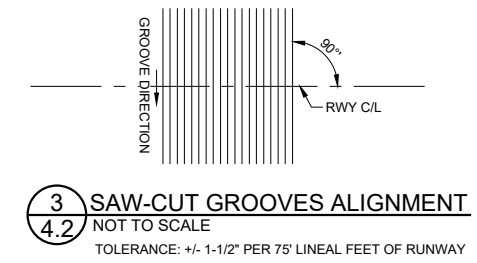
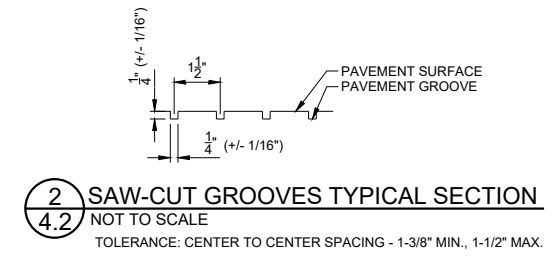
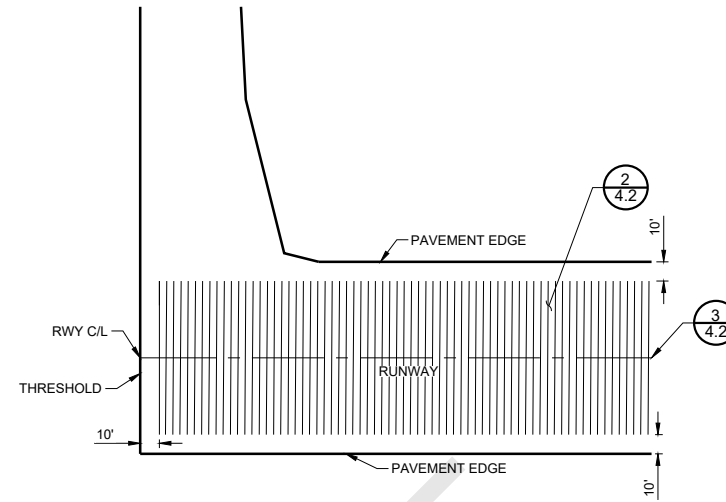
TYPICAL SECTIONS & DETAILS

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**NOTES:**  
 1. REMOVE EXISTING ASPHALT AROUND INLET TO EXPOSE MIN OF 2" OF INLET RIM AND ALLOW FOR NEW 2" THICK ASPHALT APRON AROUND INLET AS SHOWN

**5** STORM INLET APRON DETAIL  
 4.2 NOT TO SCALE



CALIFORNIA REDWOOD COAST  
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No.	Revision	Date	By

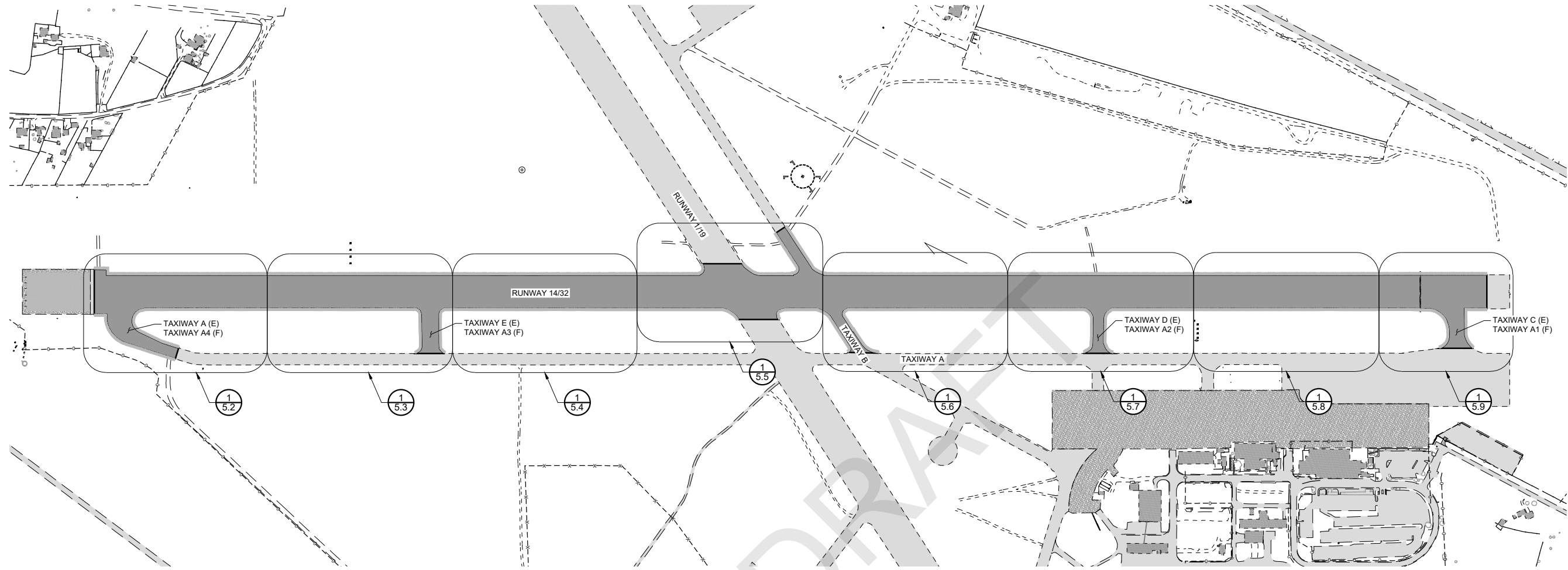
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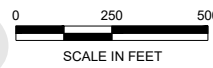
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**NOT FOR CONSTRUCTION**

TYPICAL SECTIONS & DETAILS  
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KEY MAP



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

No.	Revision	Date	By

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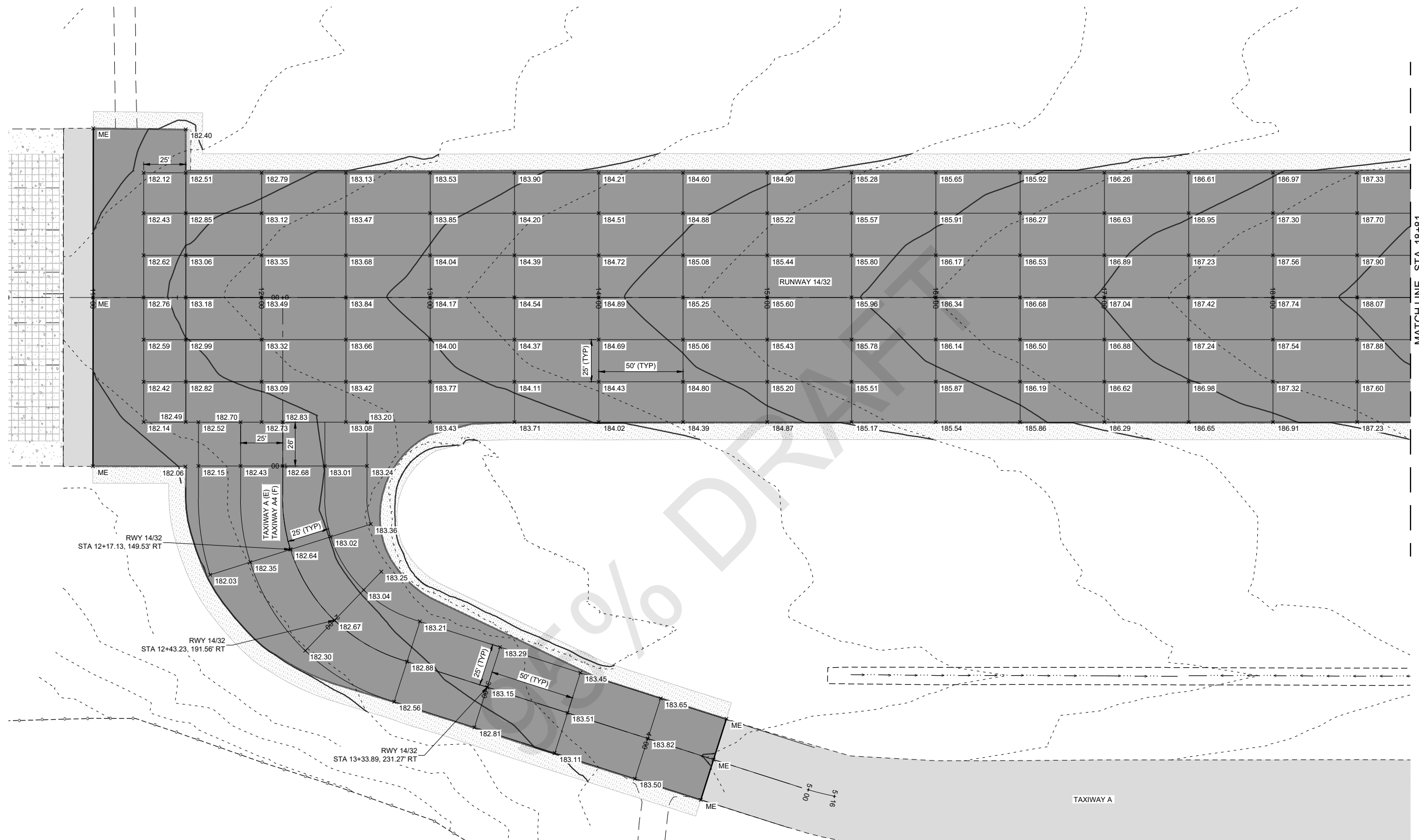
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**GRADING PLAN**

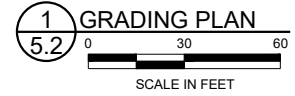
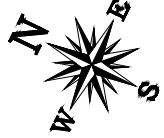
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**GEOMETRIC LAYOUT ABBREVIATIONS**

PI	POINT OF INTERSECTION
POL	POINT ON LINE
PT	POINT OF TANGENCY
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PRC	POINT OF REVERSE CURVATURE
RP	RADIUS POINT
MP	MID POINT
C/L	CENTERLINE
ME	MATCH EXISTING
LT	LEFT
RT	RIGHT



1 GRADING PLAN  
5.2

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MCKINLEYVILLE, CA  
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No.	Revision	Date	By

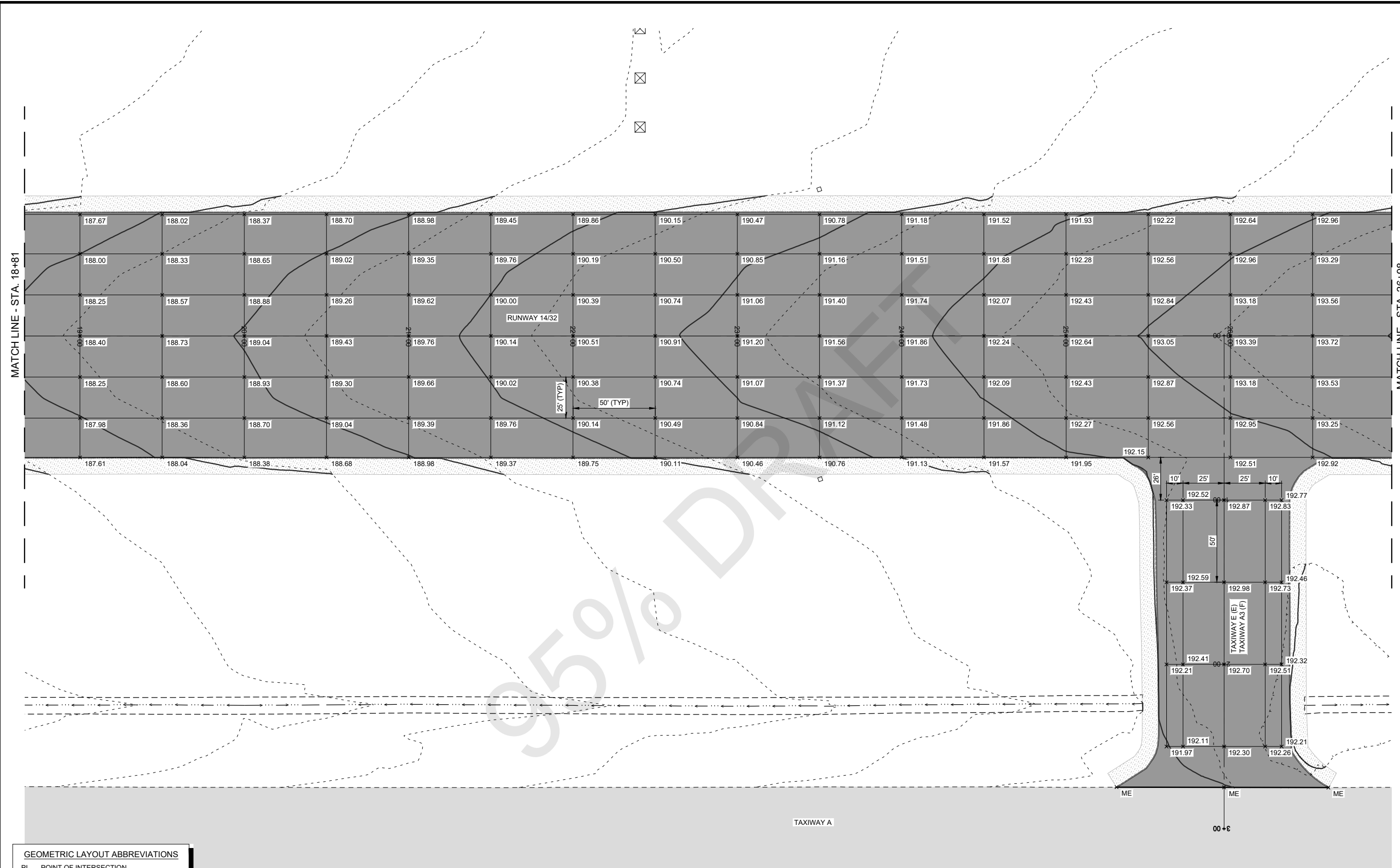
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GRADING PLAN

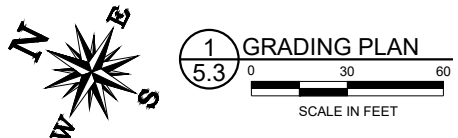
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**GEOMETRIC LAYOUT ABBREVIATIONS**

PI	POINT OF INTERSECTION
POL	POINT ON LINE
PT	POINT OF TANGENCY
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PRC	POINT OF REVERSE CURVATURE
RP	RADIUS POINT
MP	MID POINT
C/L	CENTERLINE
ME	MATCH EXISTING
LT	LEFT
RT	RIGHT



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CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
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AIP No. 3-06-0010-053-2022

No.	Revision	Date	By

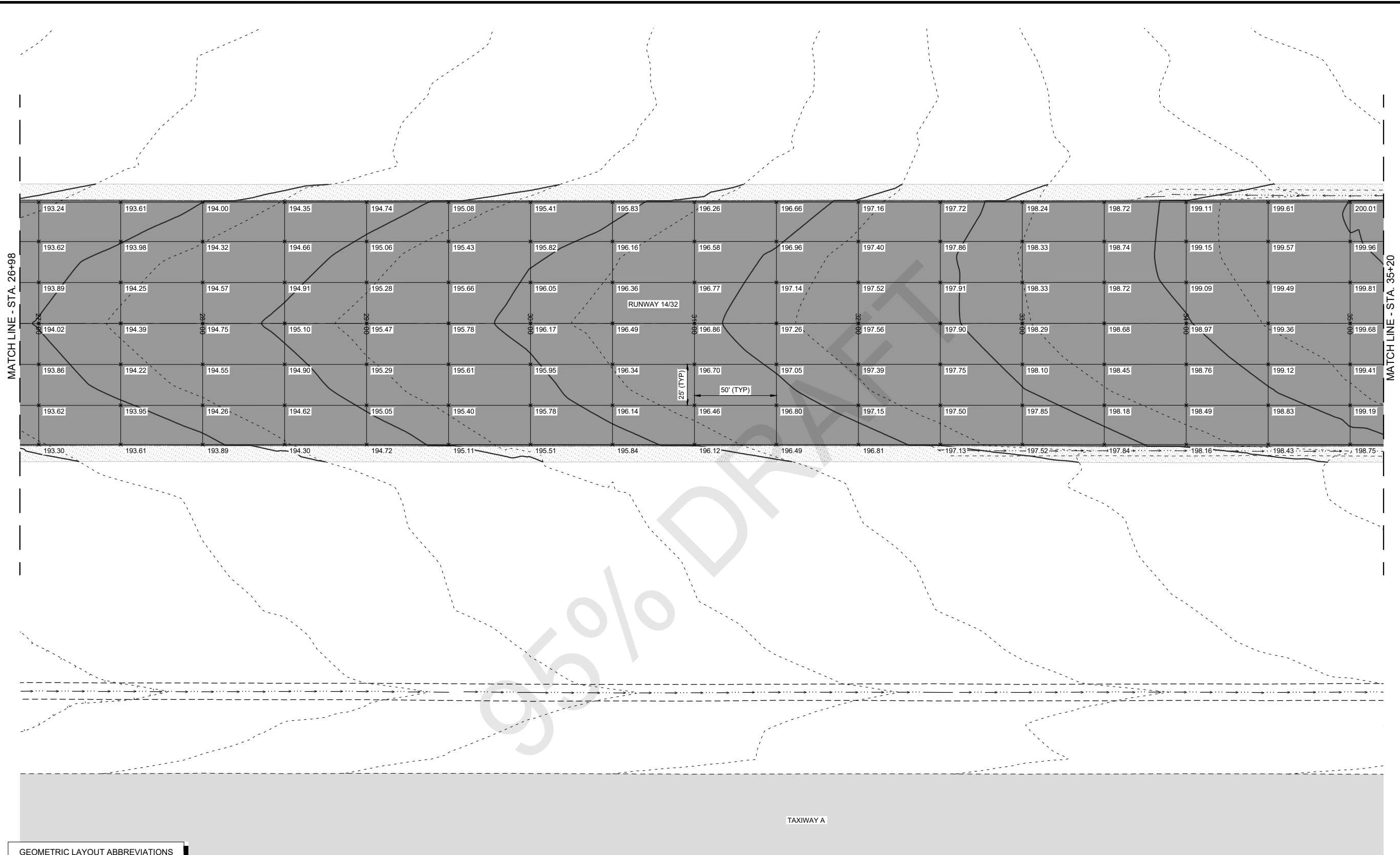
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**GRADING PLAN**

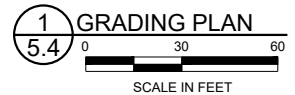
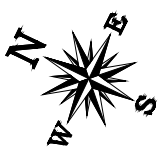
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**GEOMETRIC LAYOUT ABBREVIATIONS**

PI	POINT OF INTERSECTION
POL	POINT ON LINE
PT	POINT OF TANGENCY
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PRC	POINT OF REVERSE CURVATURE
RP	RADIUS POINT
MP	MID POINT
C/L	CENTERLINE
ME	MATCH EXISTING
LT	LEFT
RT	RIGHT



**PRELIMINARY**  
**NOT FOR CONSTRUCTION**



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: 216794105

Drawn: DJR/LKB  
Checked: EFR  
Approved: CSN

**GRADING PLAN**

Sheet: **5.4**

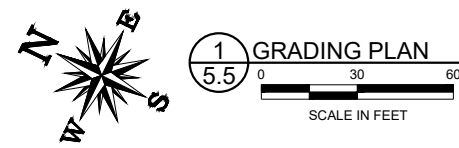


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MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
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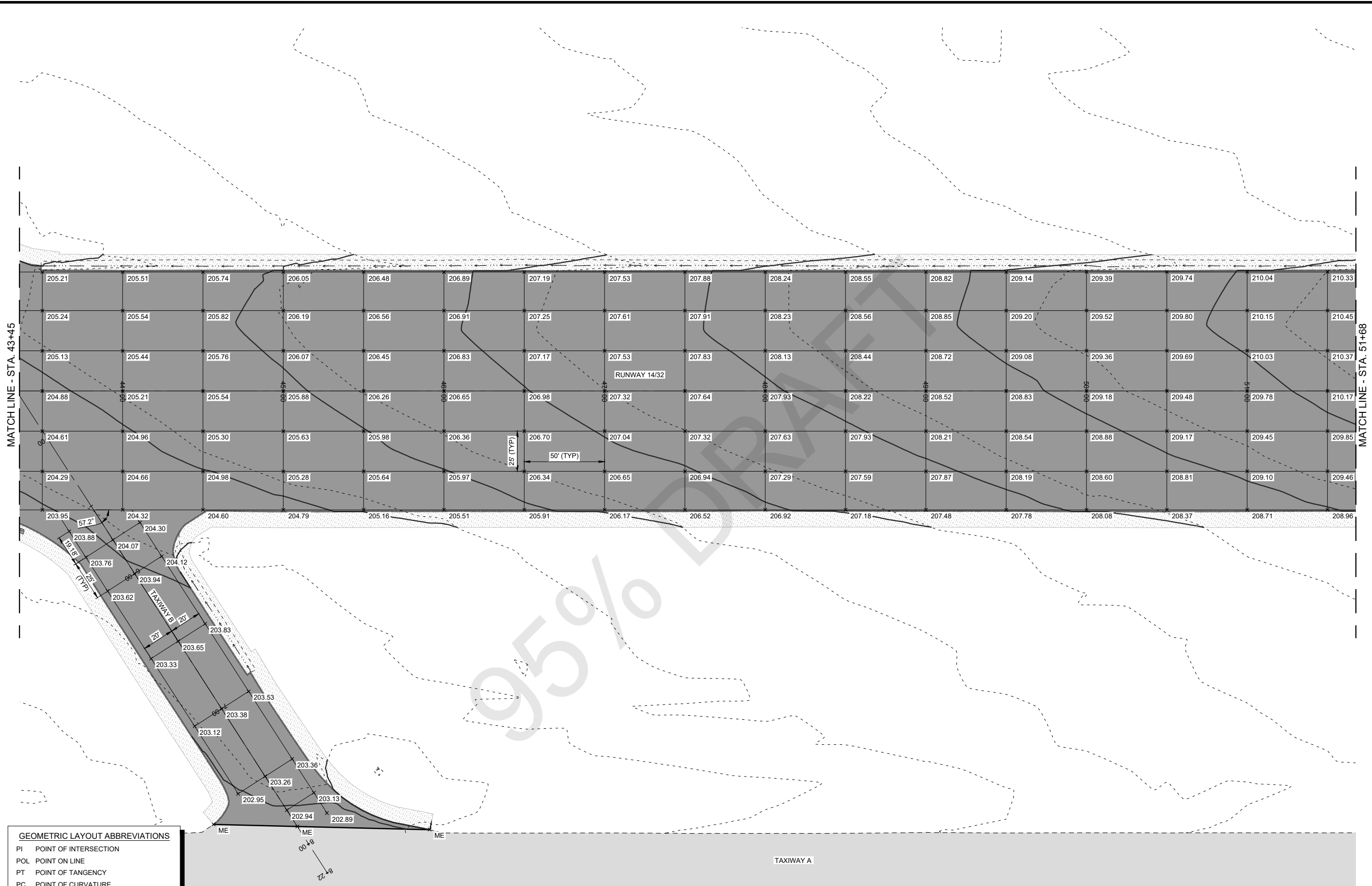
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Date: 1/2022  
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Drawn: DJR/LKB  
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Approved: CSN

**GRADING PLAN**

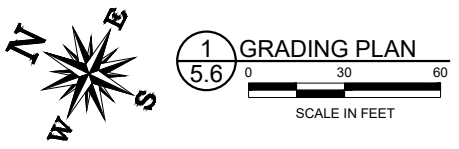
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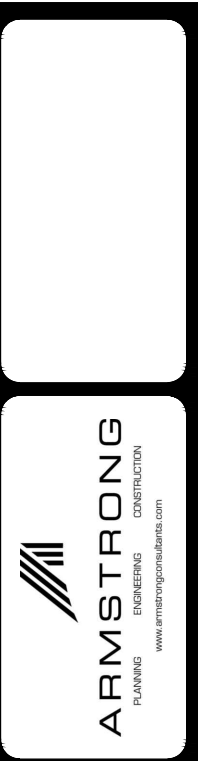


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HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
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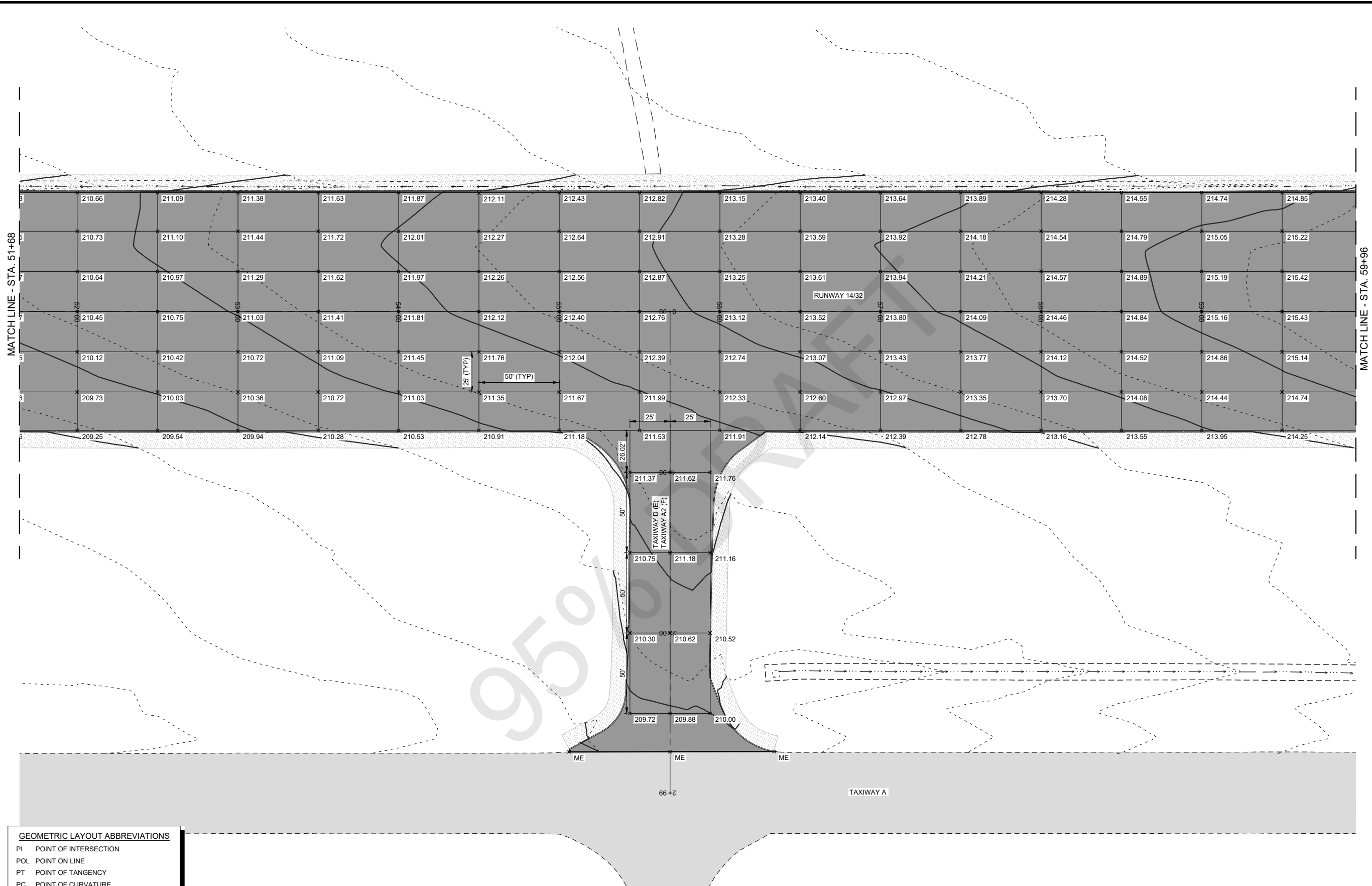
No.	Revision	Date	By

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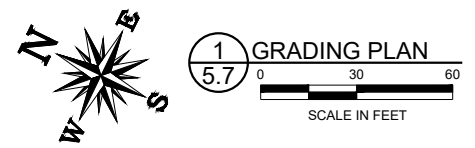
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**GEOMETRIC LAYOUT ABBREVIATIONS**

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REHAB RW 14/32 & LIGHTING SYSTEM  
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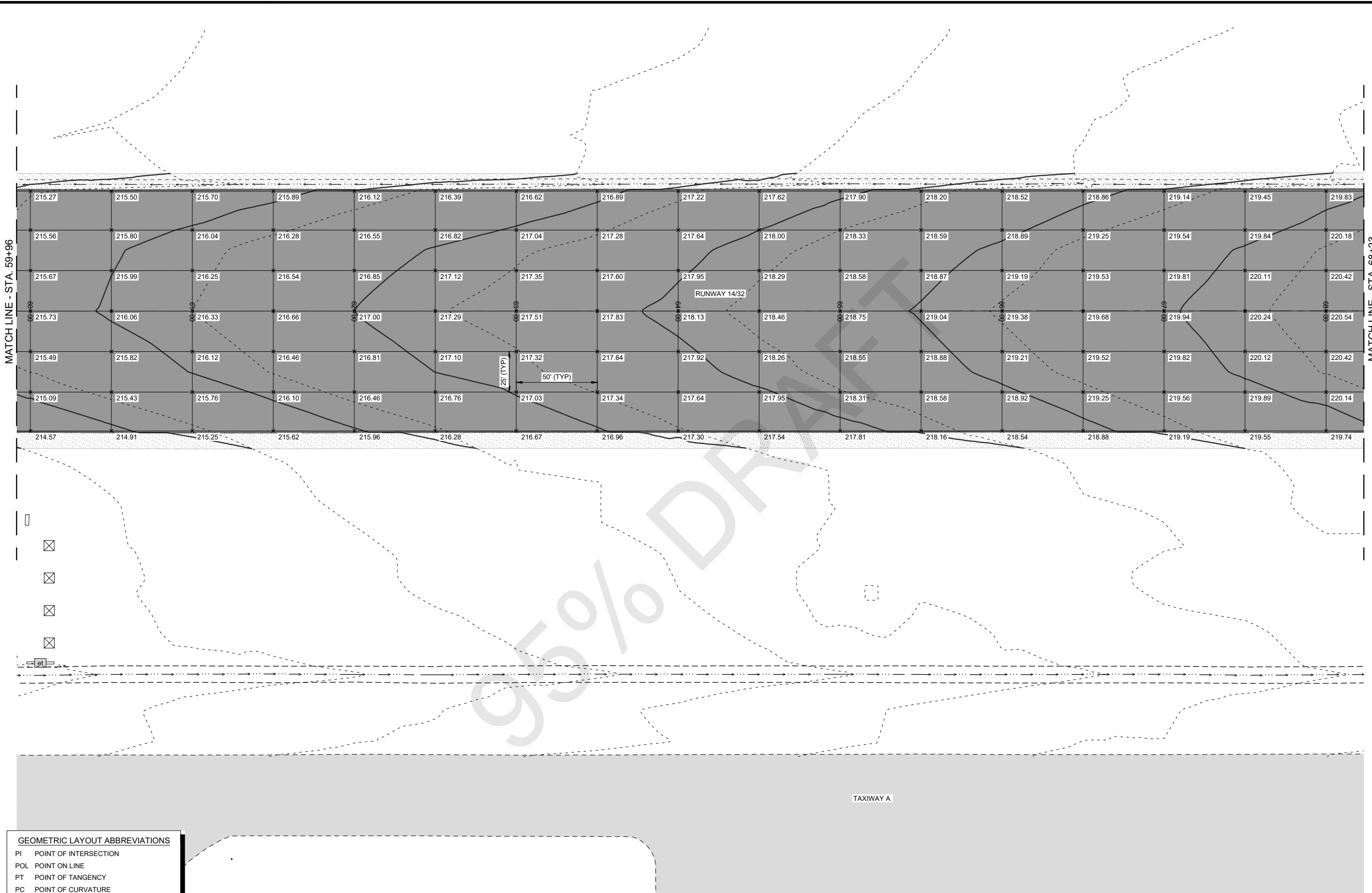
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**GRADING PLAN**

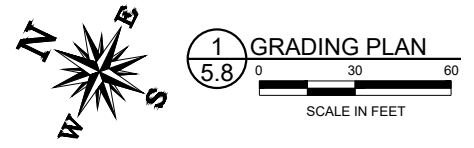
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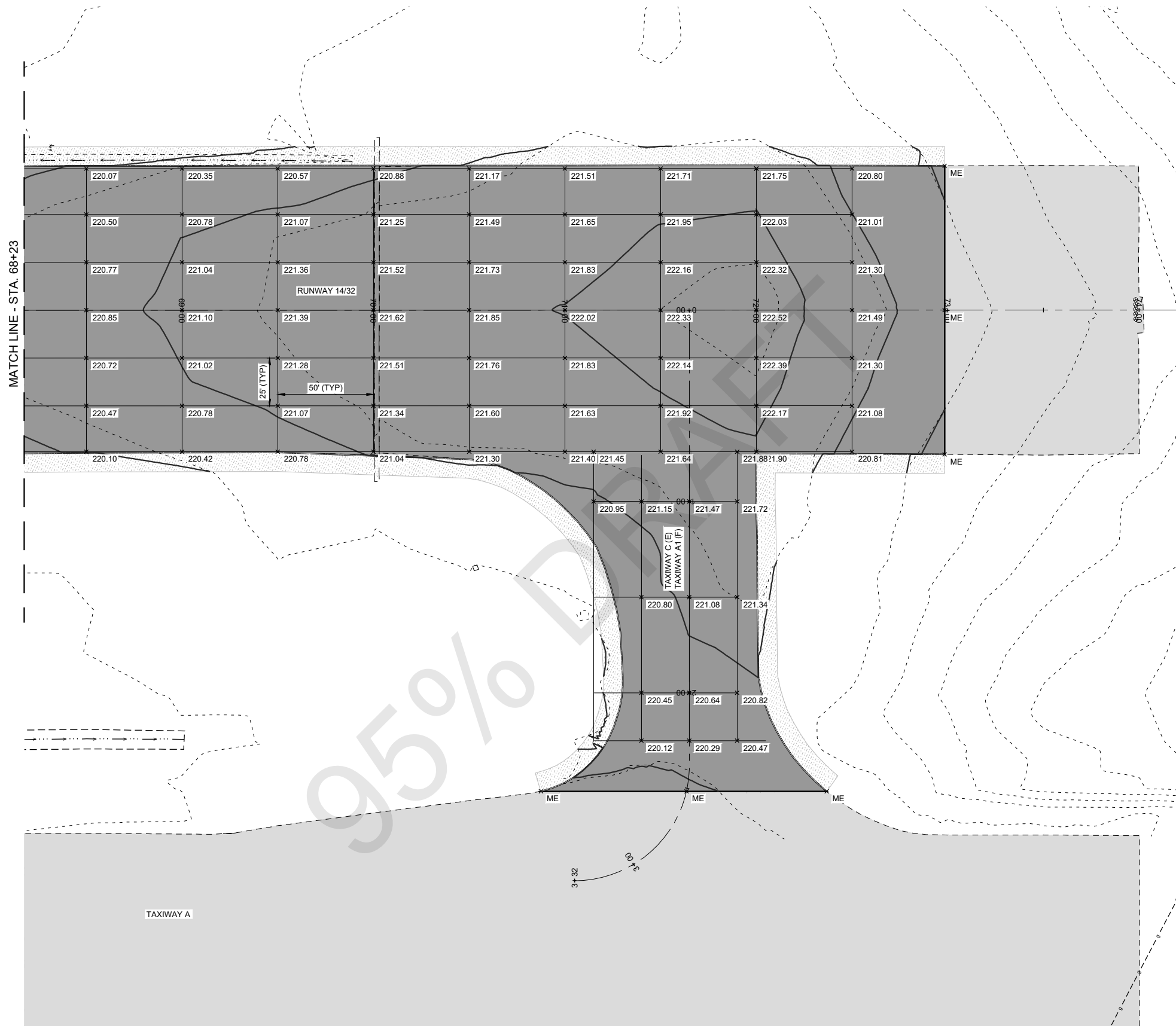

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Drawn: DJR/LKB  
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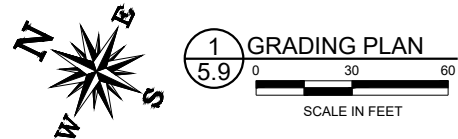
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**GEOMETRIC LAYOUT ABBREVIATIONS**

- PI POINT OF INTERSECTION
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**PRELIMINARY**  
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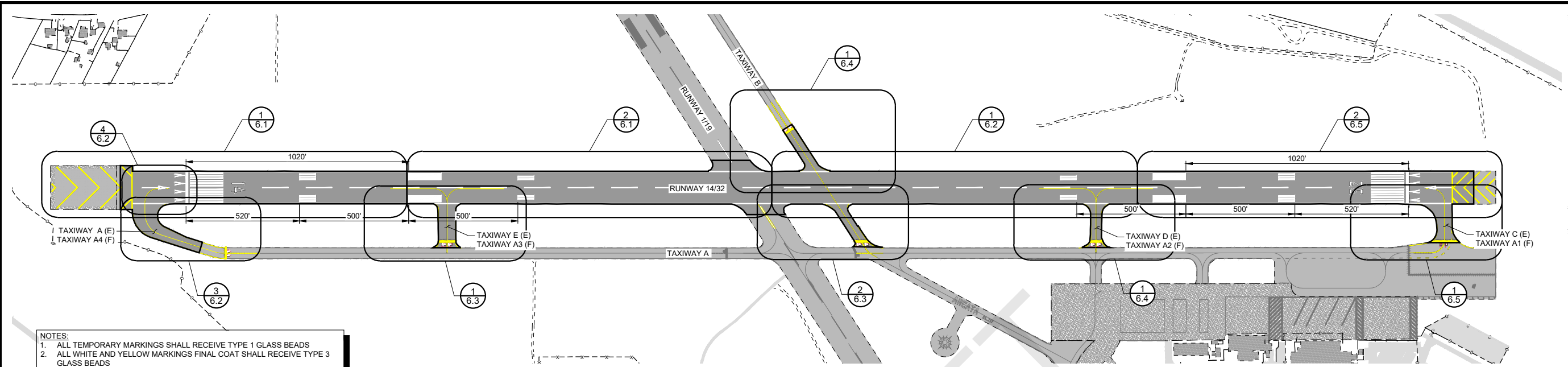
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**GRADING PLAN**

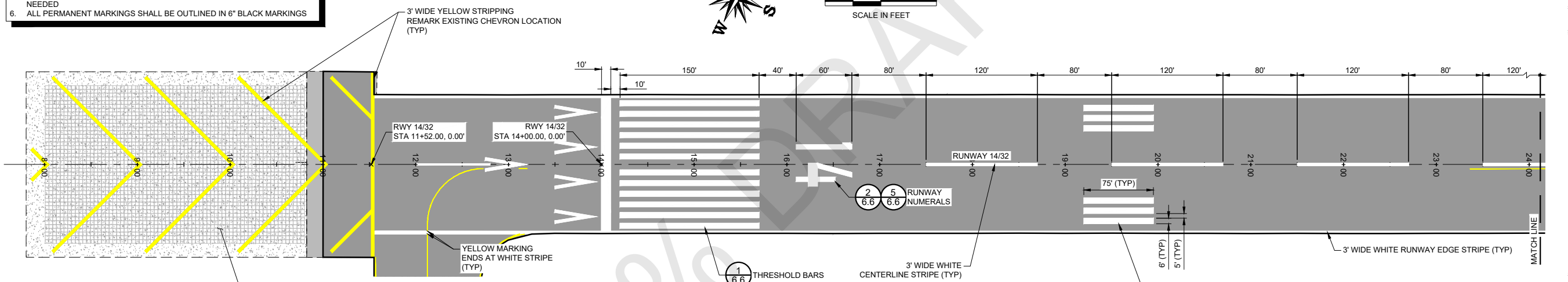
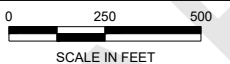
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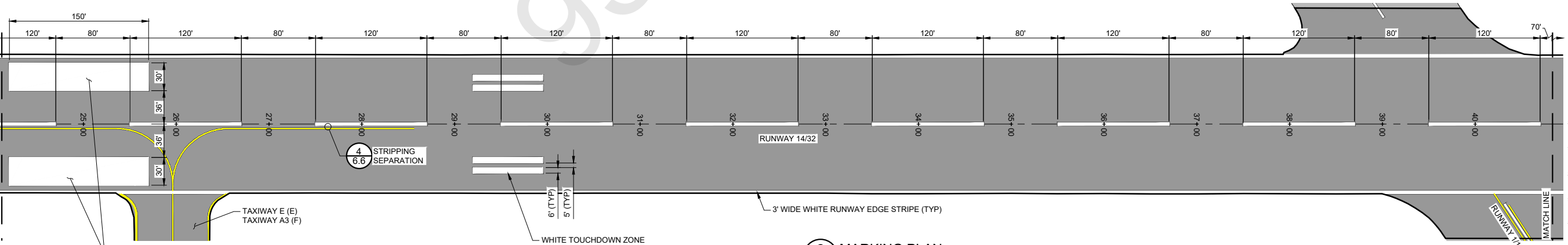


- NOTES:**
1. ALL TEMPORARY MARKINGS SHALL RECEIVE TYPE 1 GLASS BEADS
  2. ALL WHITE AND YELLOW MARKINGS FINAL COAT SHALL RECEIVE TYPE 3 GLASS BEADS
  3. PERMANENT RED MARKINGS SHALL RECEIVE TYPE 1 GRADATION A, GLASS BEADS
  4. PERMANENT MARKINGS SHALL NOT BE INSTALLED PRIOR TO RUNWAY GROOVING
  5. DO NOT PAINT OVER IN-PAVEMENT LIGHTING, COVER OR PROTECT AS NEEDED
  6. ALL PERMANENT MARKINGS SHALL BE OUTLINED IN 6" BLACK MARKINGS

**MARKING PLAN KEY MAP**



**1 MARKING PLAN**



**2 MARKING PLAN**



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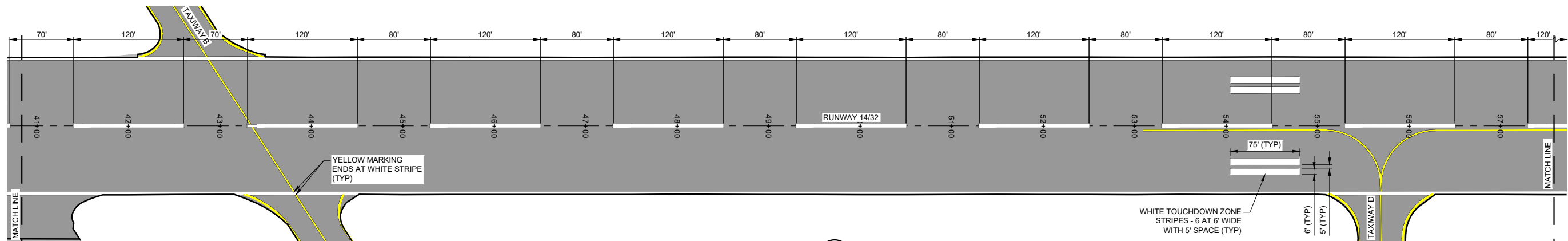
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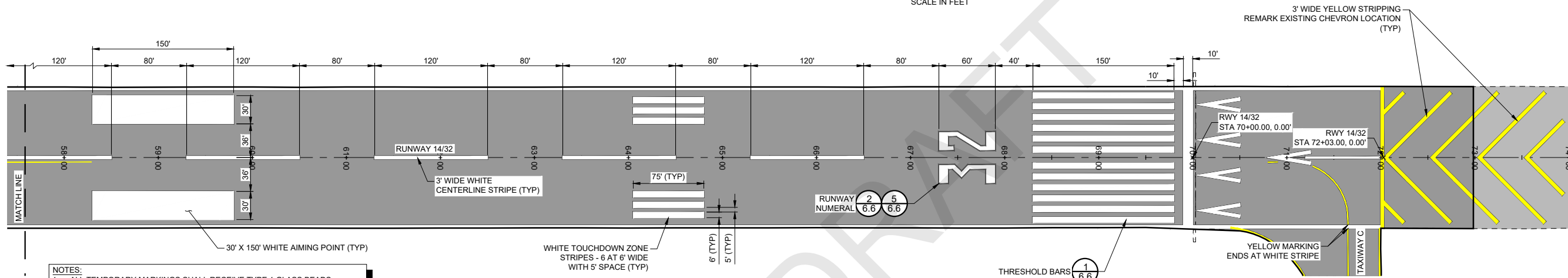
**MARKING PLAN**

Sheet: **6.1**

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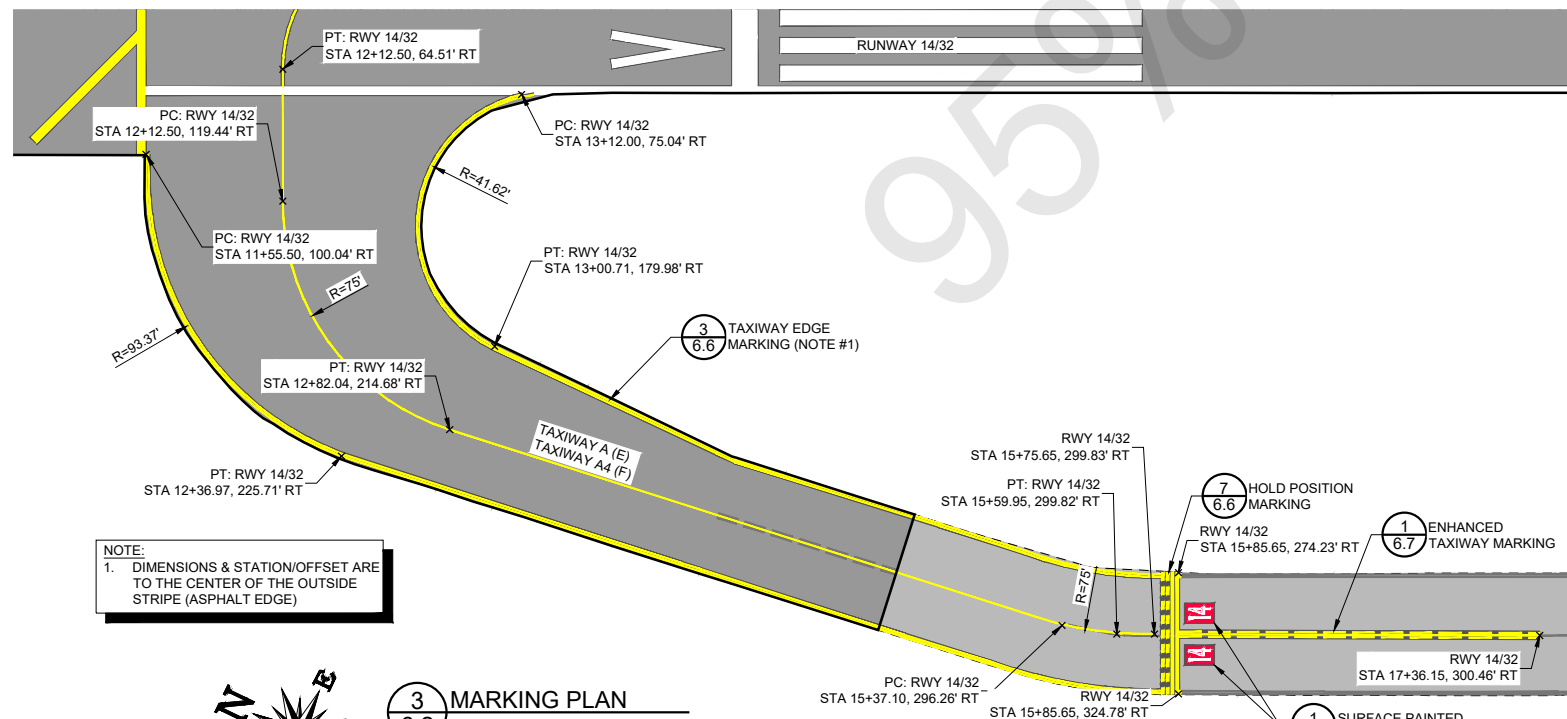


1 MARKING PLAN  
6.2  
SCALE IN FEET

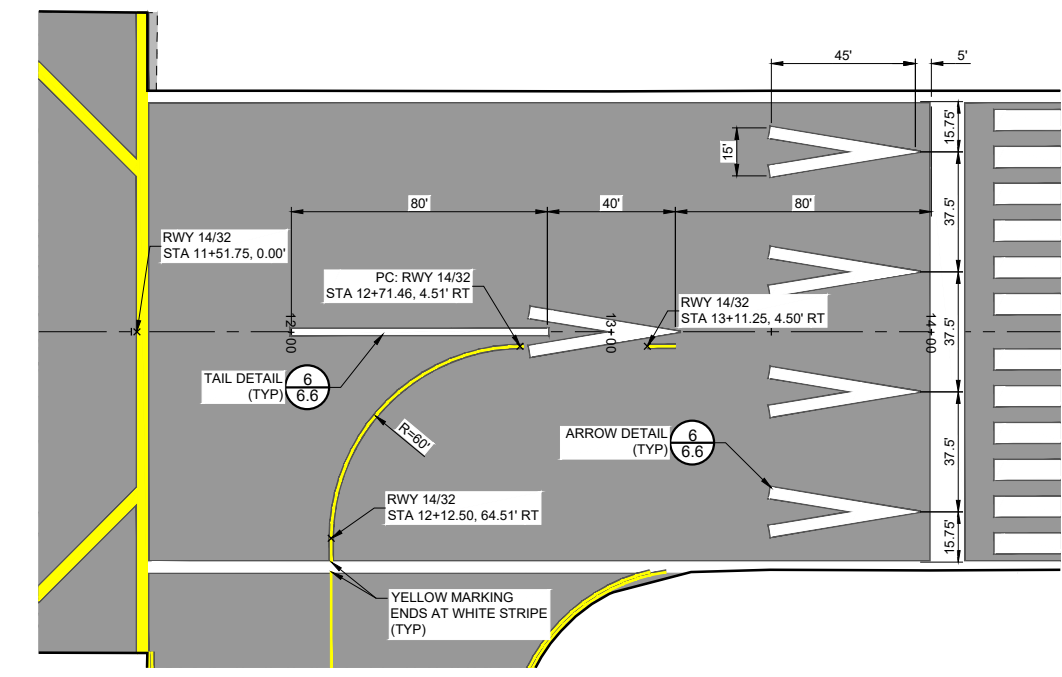


2 MARKING PLAN  
6.2  
SCALE IN FEET

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3 MARKING PLAN  
6.2  
SCALE IN FEET



4 MARKING PLAN  
6.2  
SCALE IN FEET

NOTE:  
1. DIMENSIONS & STATION/OFFSET ARE TO THE CENTER OF THE OUTSIDE STRIPE (ASPHALT EDGE)

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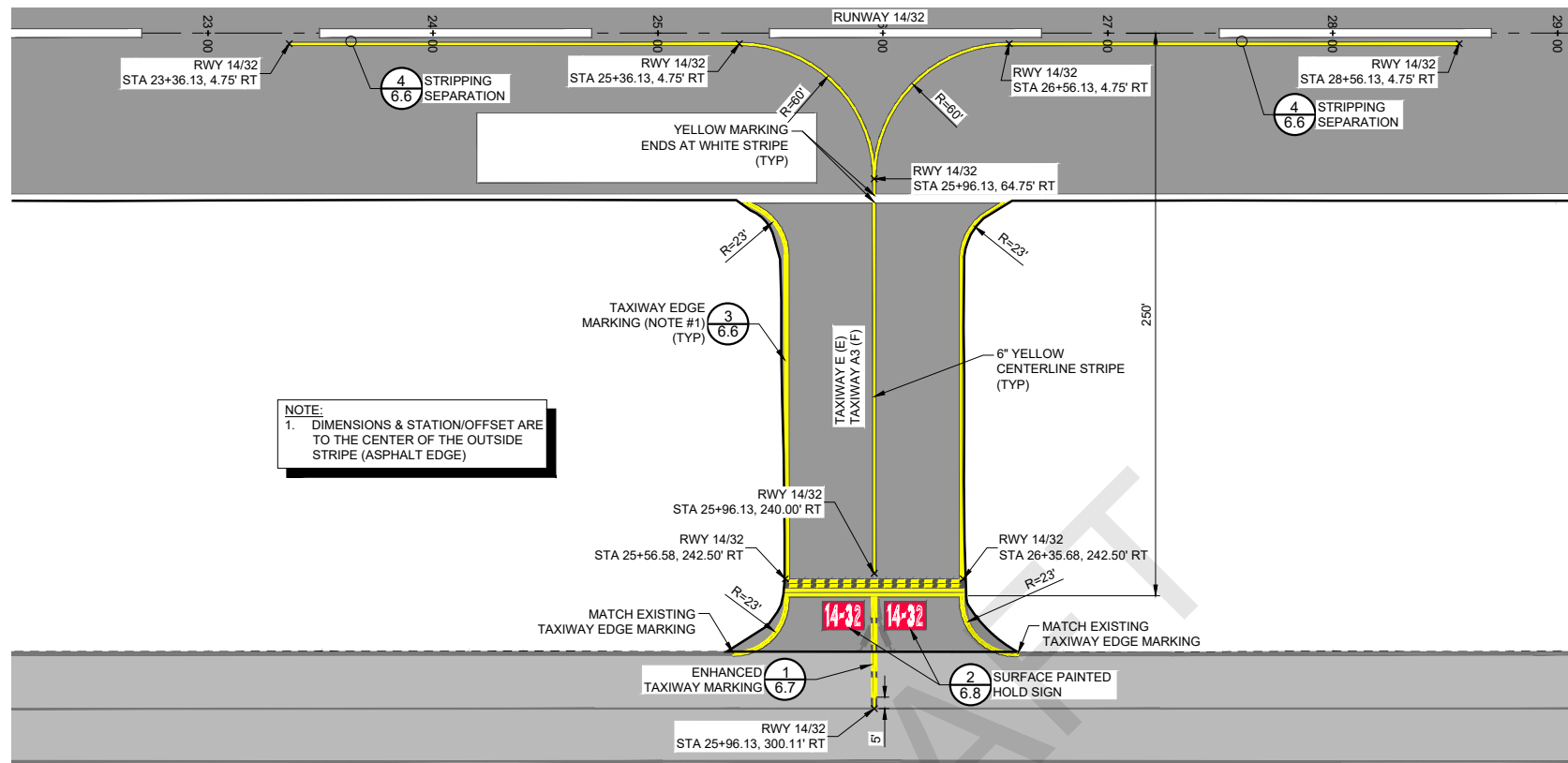
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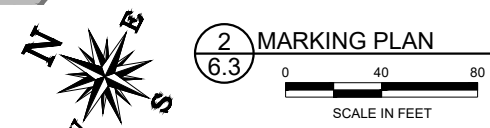
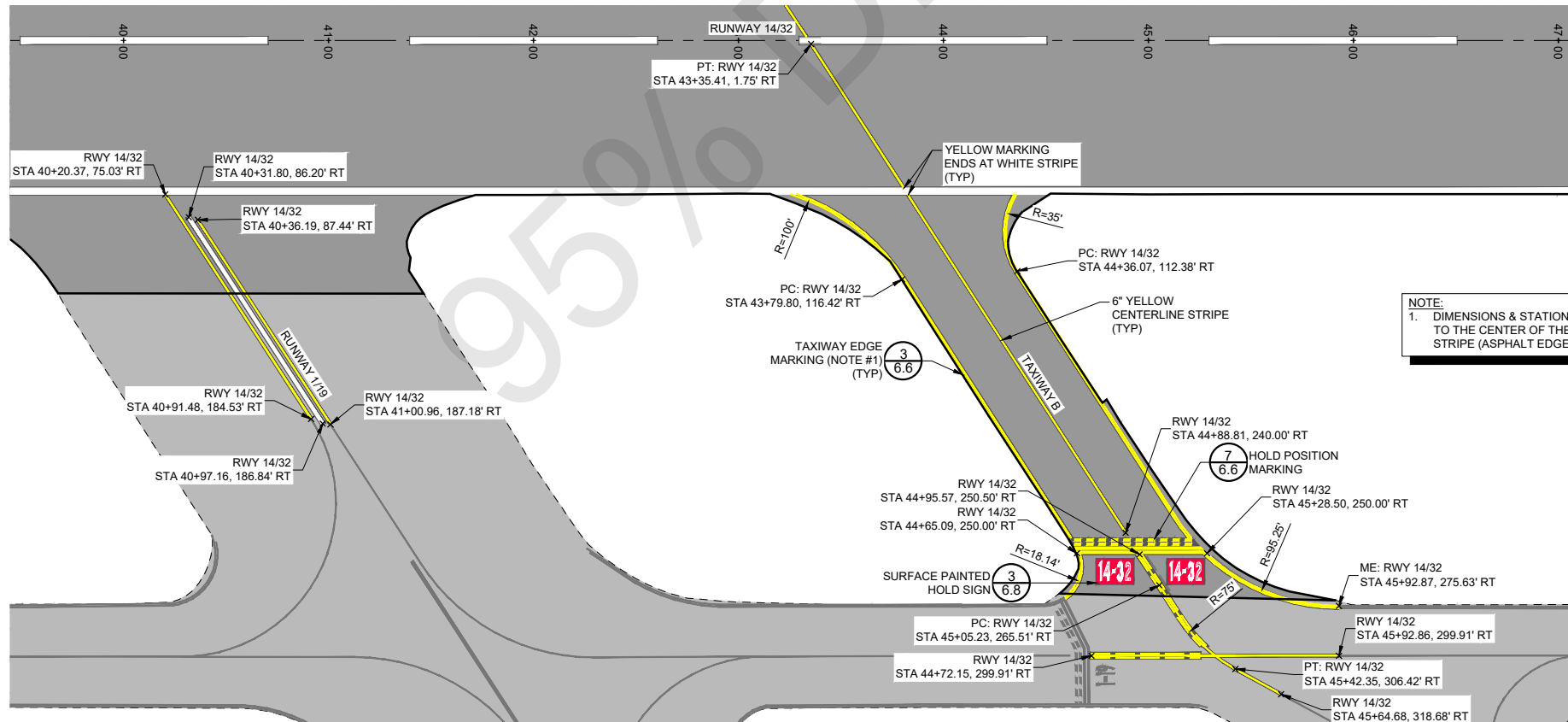
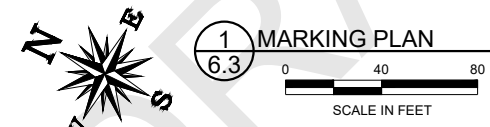
MARKING PLAN

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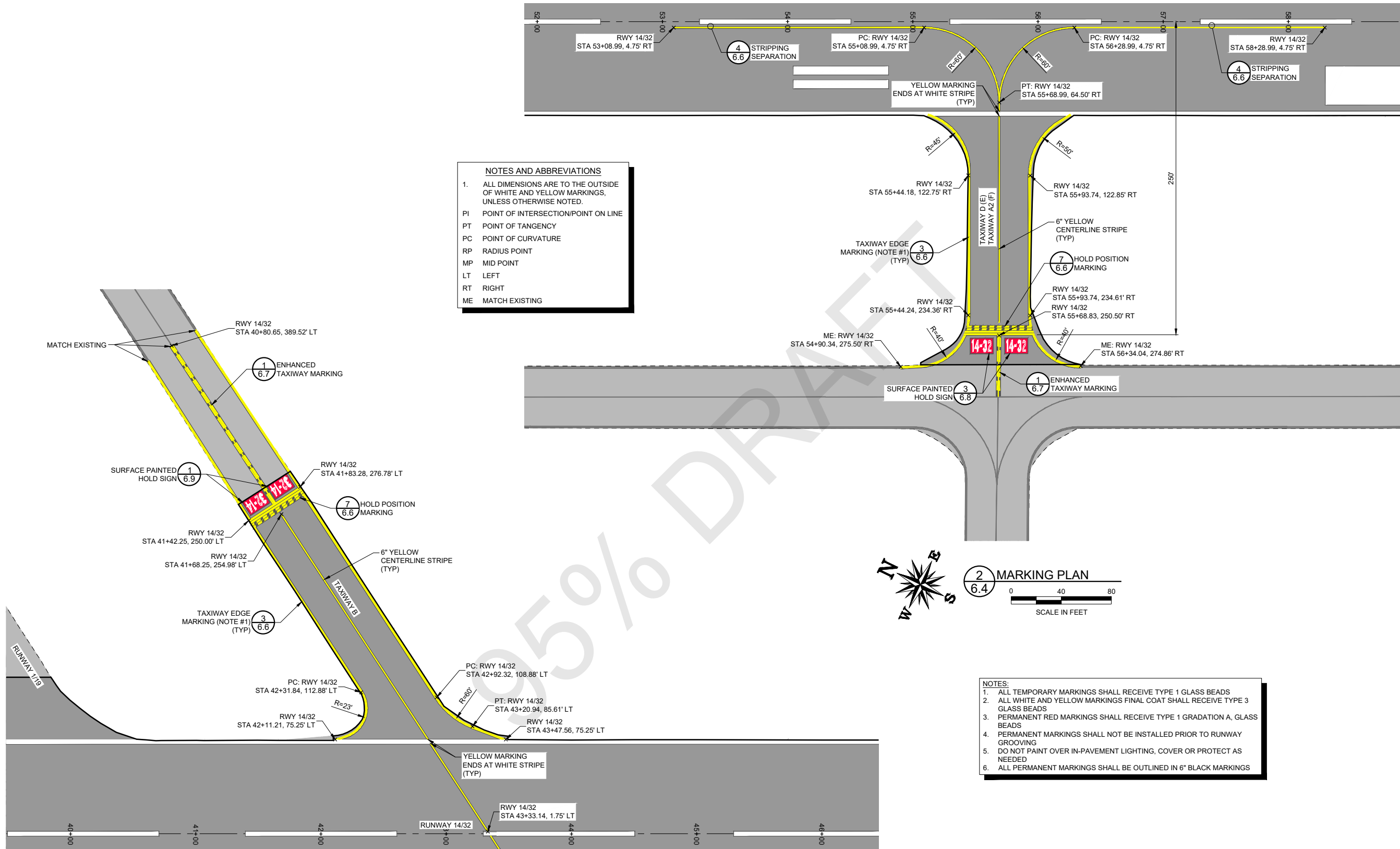
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**MARKING PLAN**

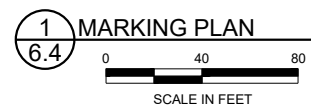
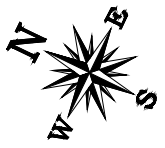
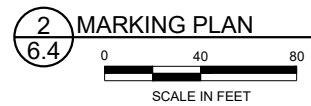
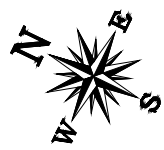
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- NOTES AND ABBREVIATIONS**
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  - LT LEFT
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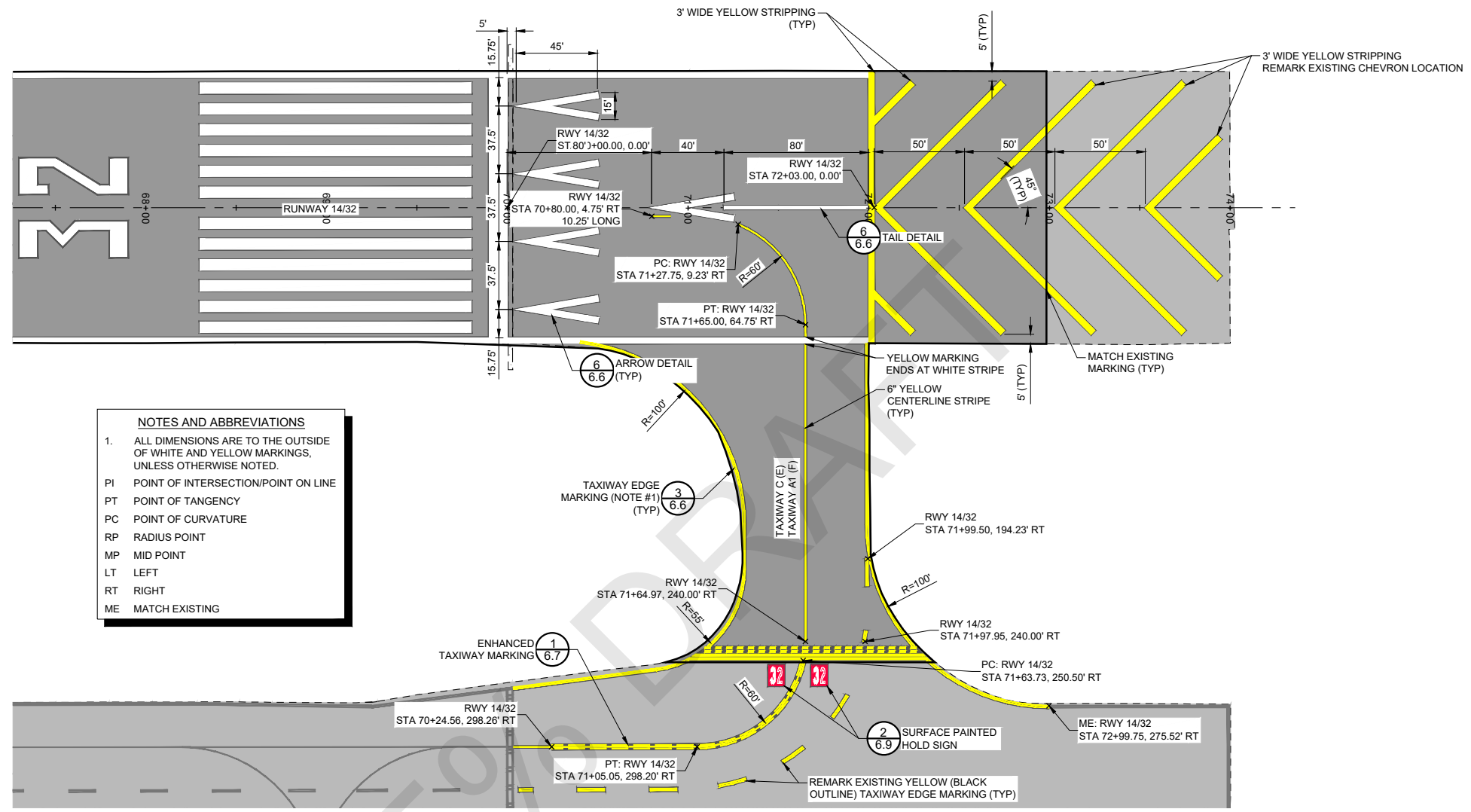
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Date: 1/2022  
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**MARKING PLAN**

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

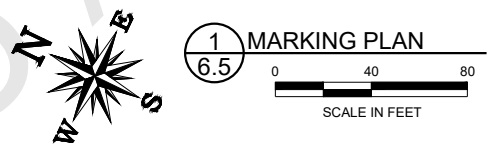
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**NOTES AND ABBREVIATIONS**

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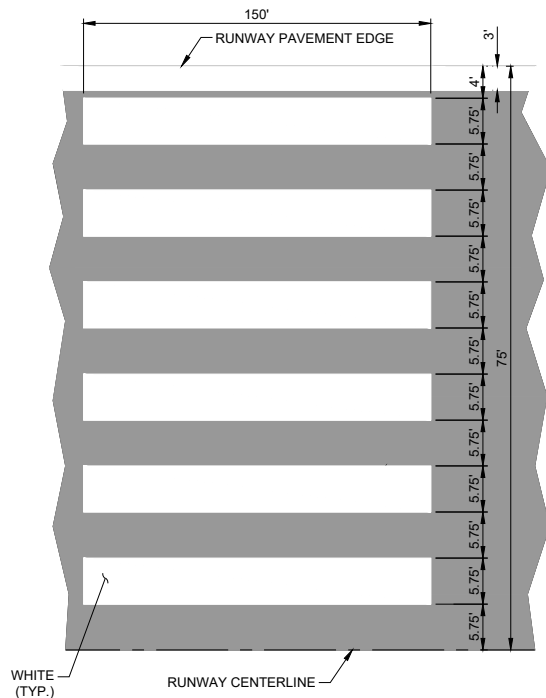
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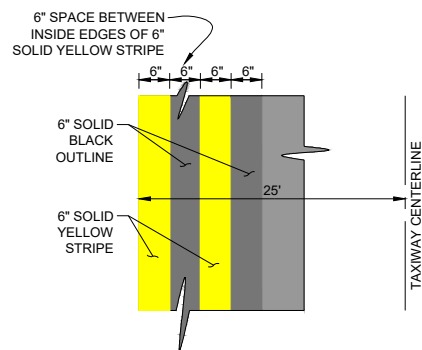
**PRELIMINARY**  
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**MARKING PLAN**

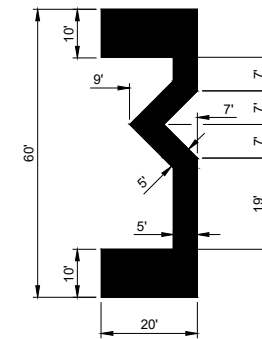
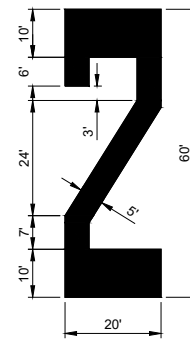
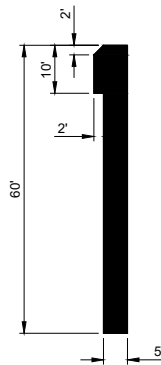
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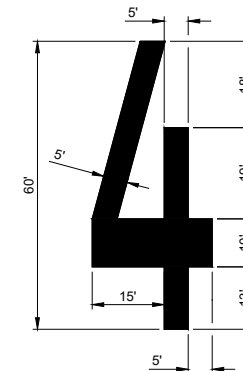
**1** THRESHOLD BARS DETAIL  
6.6 NOT TO SCALE



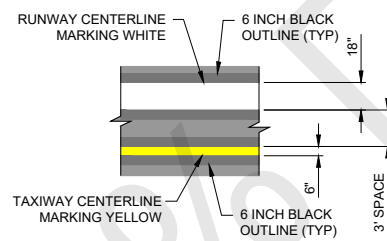
**3** TAXIWAY EDGE MARKING  
6.6 NOT TO SCALE



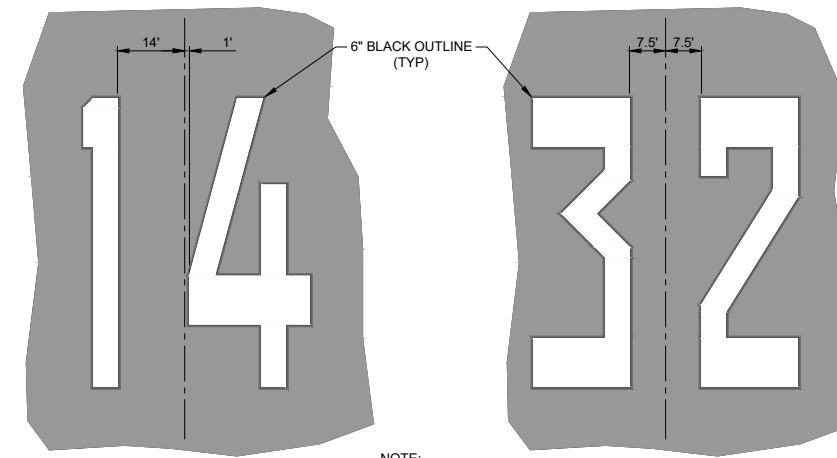
ALL ANGLES ON "3" ARE 45° OR 90°



**2** RUNWAY NUMERALS DETAIL  
6.6 NOT TO SCALE

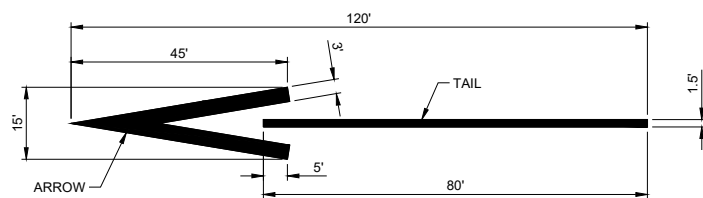


**4** STRIPING SEPARATION  
6.6 NOT TO SCALE

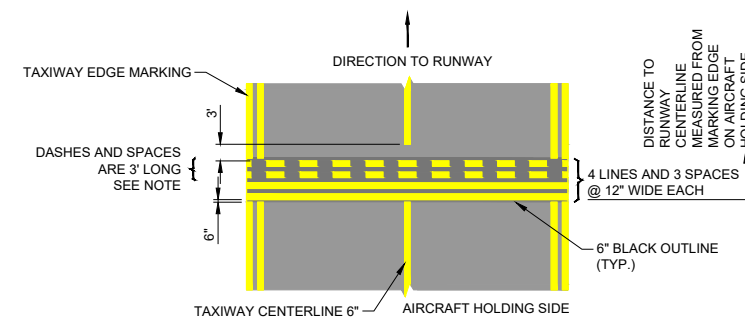


NOTE: DIMENSIONS SHOWN ARE TO THE EDGE OF WHITE

**5** RUNWAY NUMERALS PLACEMENT DETAIL  
6.6 NOT TO SCALE



**6** ARROW AND TAIL DETAIL  
6.6 NOT TO SCALE



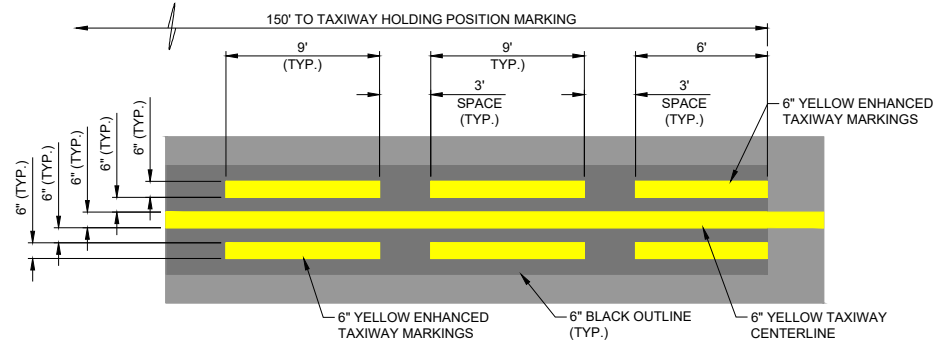
**7** RUNWAY HOLDING POSITION MARKING - PATTERN A  
6.6 NOT TO SCALE

NOTES:  
UNLESS OTHERWISE NOTED ALL LINES ARE YELLOW.  
BLACK BACKGROUND TO BE CONTINUOUS BETWEEN LINES & STRIPES.

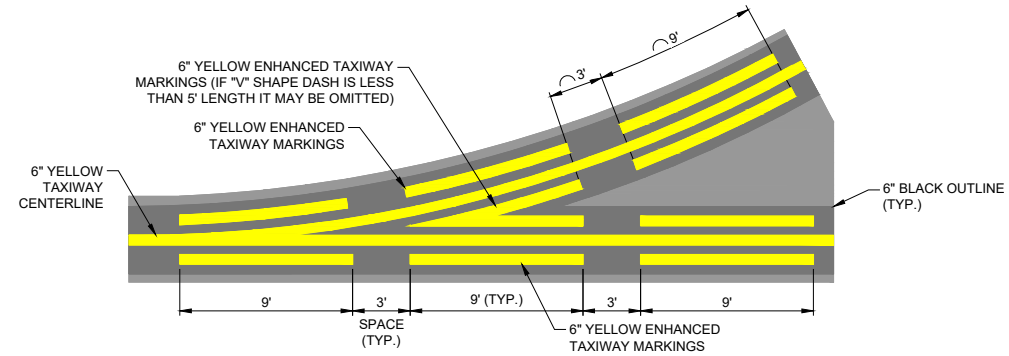
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**NOT FOR CONSTRUCTION**

No.	Revision	Date	By

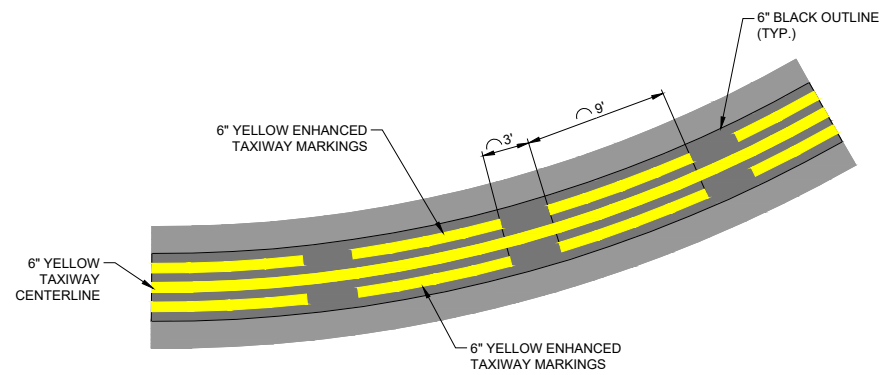
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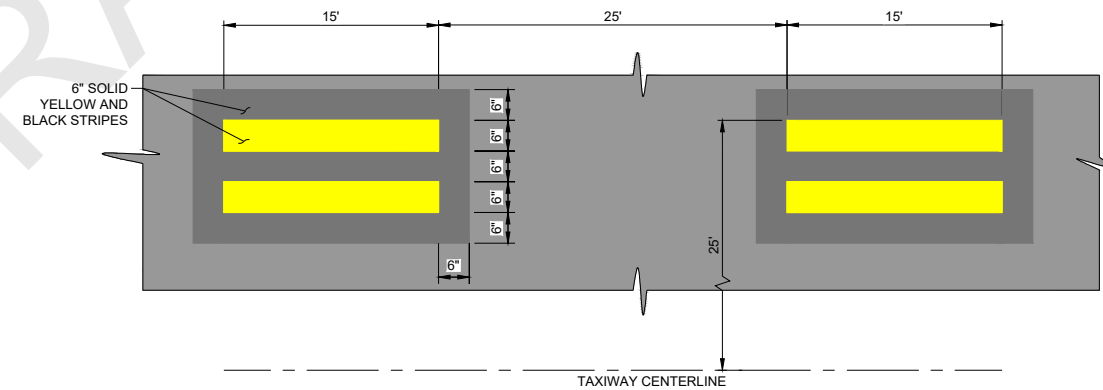
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**6.7** **ENHANCED TAXIWAY MARKING**  
NOT TO SCALE  
NOTES:  
ALL DIMENSIONS SHOWN ARE TO YELLOW.  
ENHANCED MARKING EXTENDS 150' FROM HOLD BAR MARKING UNLESS OTHERWISE NOTED (TYP.).



**2**  
**6.7** **ENHANCED TAXIWAY MARKING AT CONVERGING TAXIWAY CENTERLINES**  
NOT TO SCALE  
NOTES:  
ALL DIMENSIONS SHOWN ARE TO EDGE OF YELLOW.  
THE DASHED LINES DIMENSIONS ARE TAKEN ALONG THE CENTER OF THE TAXIWAY CENTERLINE.  
ENHANCED MARKING EXTENDS 150' FROM HOLD BAR MARKING UNLESS OTHERWISE NOTED (TYP.).



**3**  
**6.7** **ENHANCED TAXIWAY MARKING ON CURVE**  
NOT TO SCALE  
NOTES:  
ALL DIMENSIONS SHOWN ARE TO EDGE OF YELLOW.  
THE DASHED LINES DIMENSIONS ARE TAKEN ALONG THE CENTER OF THE TAXIWAY CENTERLINE.  
ENHANCED MARKING EXTENDS 150' FROM HOLD BAR MARKING UNLESS OTHERWISE NOTED (TYP.).



**4**  
**6.7** **DASHED TAXIWAY EDGE MARKING**  
NOT TO SCALE

95% DRAFT



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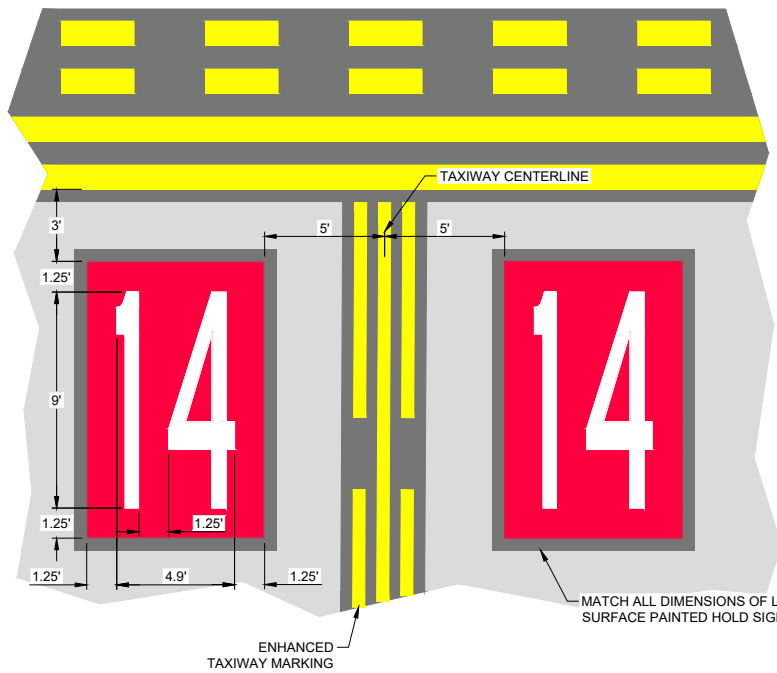
No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: 216794106

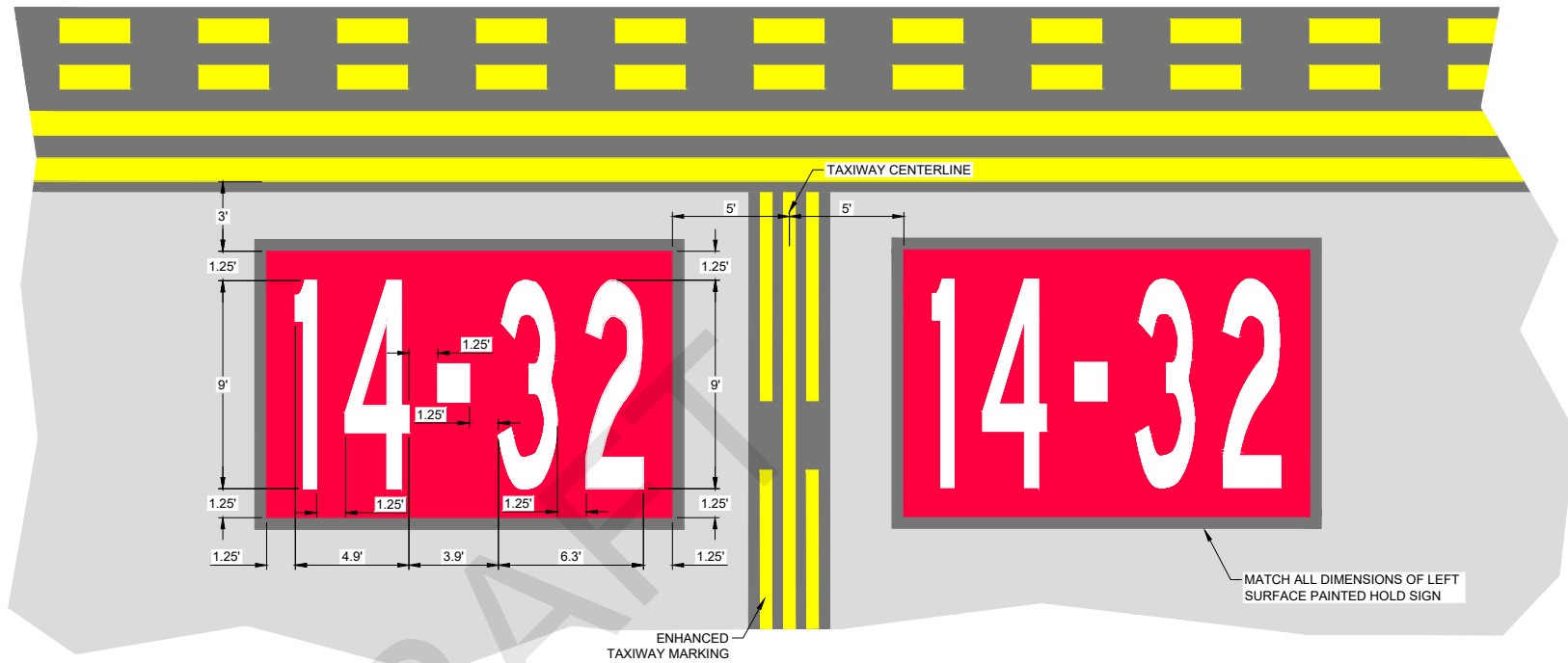
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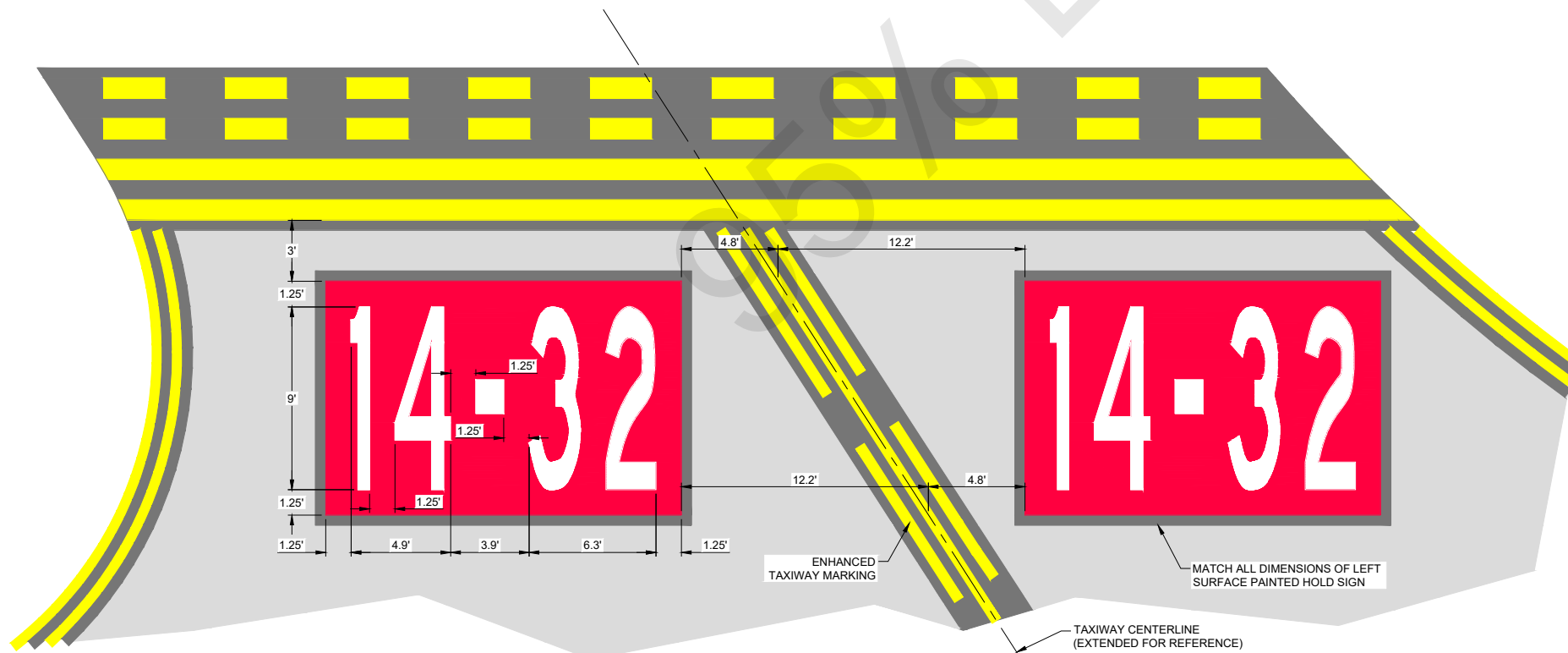
**MARKING DETAILS**  
Sheet: **6.7**



1 SURFACE PAINTED HOLD POSITION SIGN  
6.8 NOT TO SCALE



2 SURFACE PAINTED HOLD POSITION SIGN  
6.8 NOT TO SCALE



3 SURFACE PAINTED HOLD POSITION SIGN  
6.8 NOT TO SCALE

- NOTES:
1. ALL SURFACE PAINTED HOLD POSITION SIGNS SHALL HAVE 6" BLACK OUTLINE
  2. DIMENSIONS ARE SHOWN TO OUTSIDE OF RED MARKING
  3. SEE SHEET 6.10 FOR SURFACE PAINTED HOLD SIGN NUMERAL PROPORTIONS



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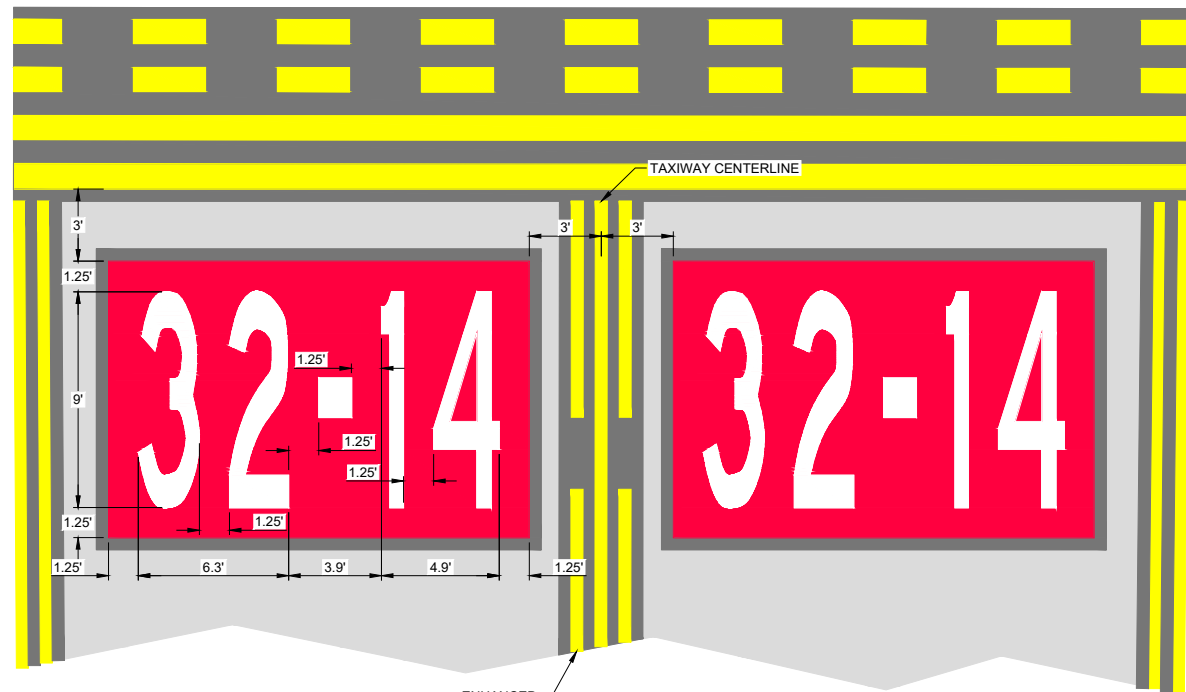
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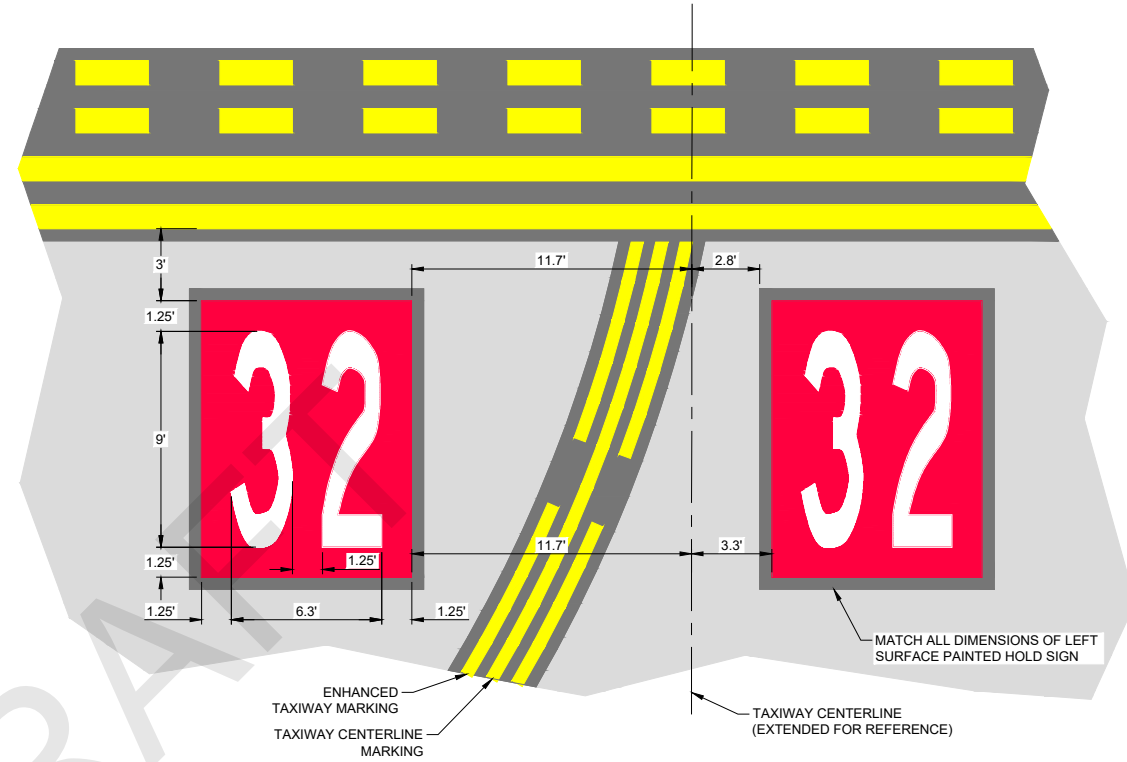
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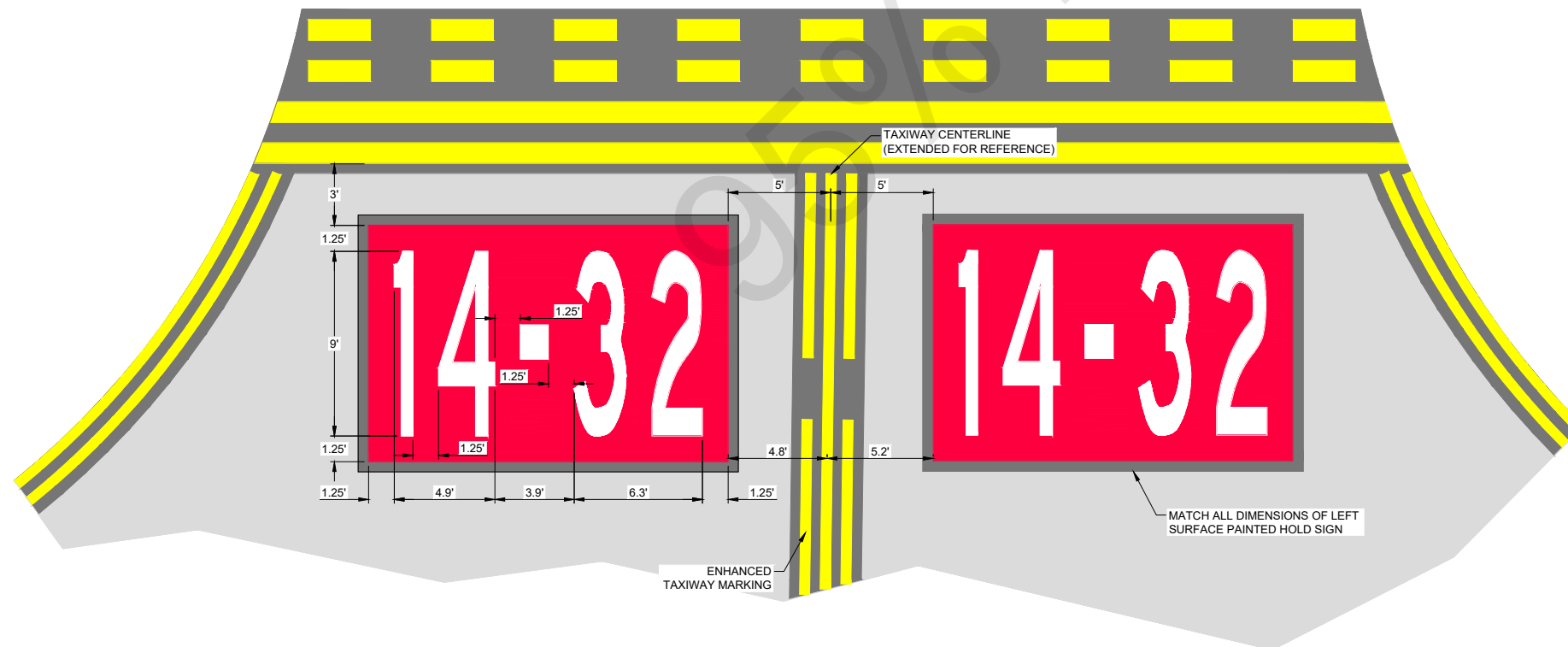
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1 SURFACE PAINTED HOLD POSITION SIGN  
6.9 NOT TO SCALE



2 SURFACE PAINTED HOLD POSITION SIGN  
6.9 NOT TO SCALE



3 SURFACE PAINTED HOLD POSITION SIGN  
6.9 NOT TO SCALE

- NOTES:**
- ALL SURFACE PAINTED HOLD POSITION SIGNS SHALL HAVE 6" BLACK OUTLINE
  - DIMENSIONS ARE SHOWN TO OUTSIDE OF RED MARKING
  - SEE SHEET 6.10 FOR SURFACE PAINTED HOLD SIGN NUMERAL PROPORTIONS



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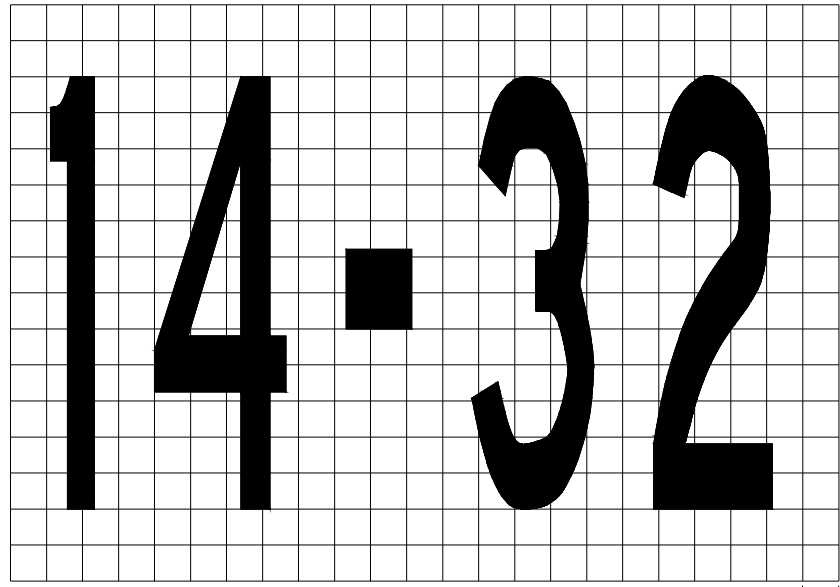
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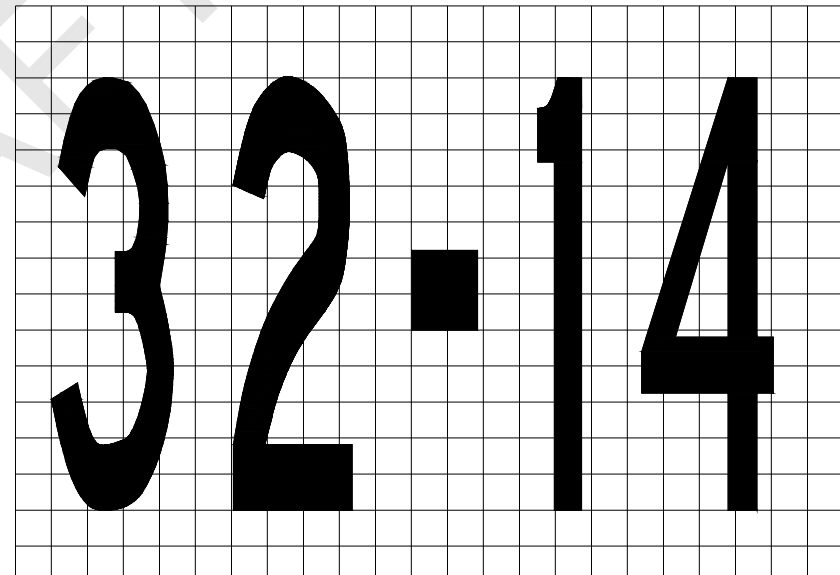
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**MARKING DETAILS**  
Sheet: **6.9**



1 SURFACE PAINTED  
6.10 HOLD POSITION NUMERAL PROPORTIONS  
NOT TO SCALE



2 SURFACE PAINTED  
6.10 HOLD POSITION NUMERAL PROPORTIONS  
NOT TO SCALE

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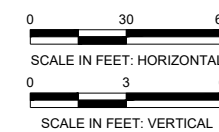
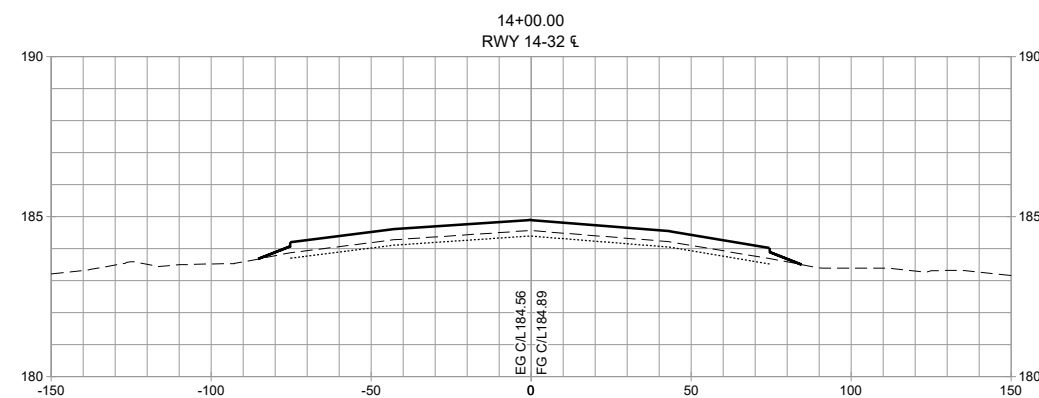
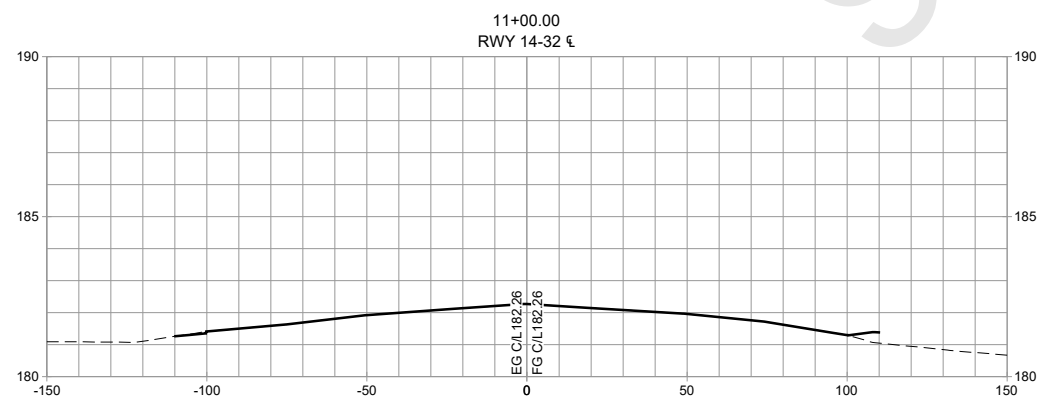
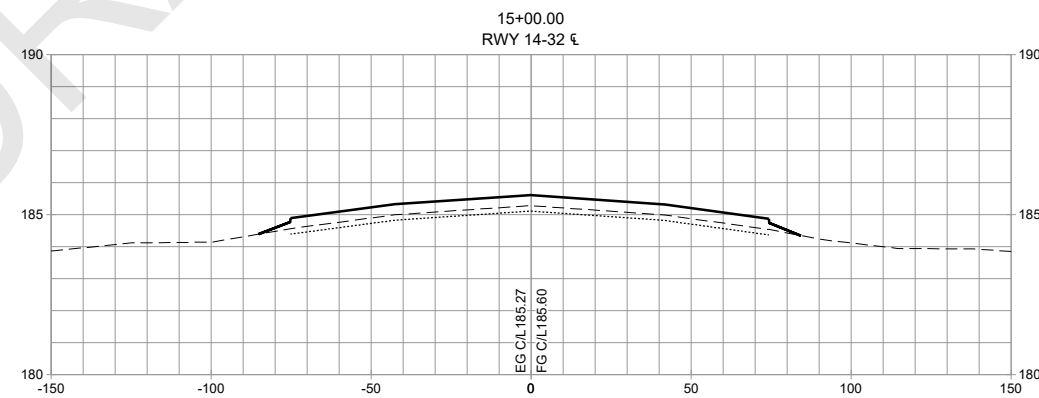
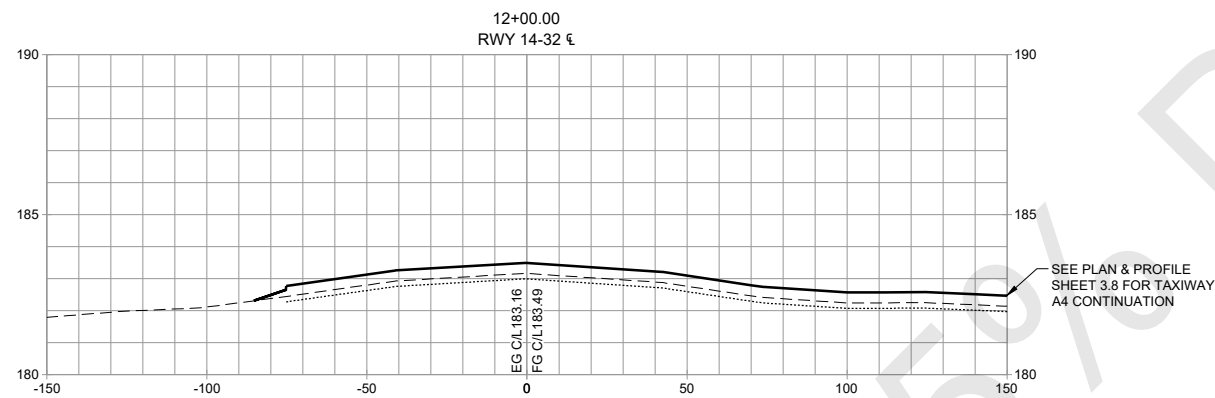
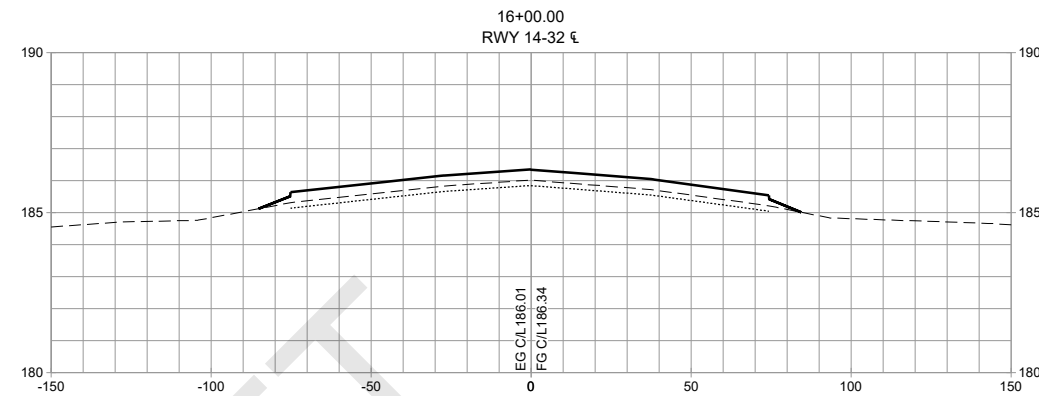
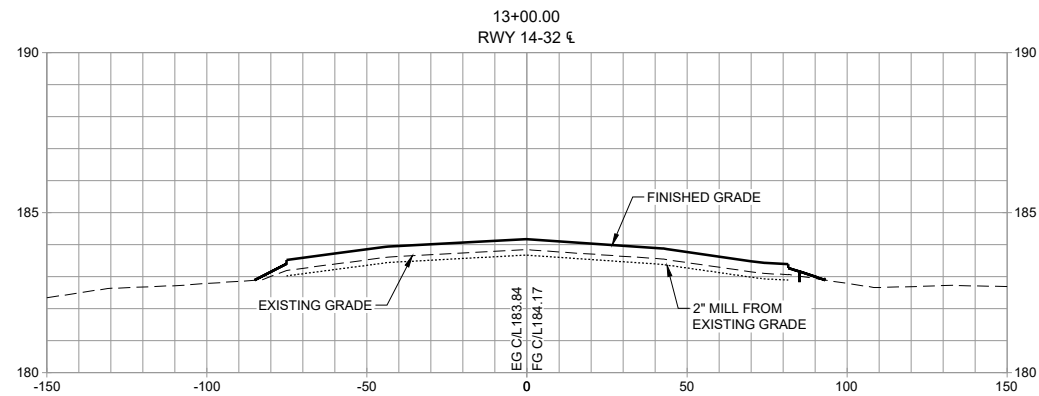
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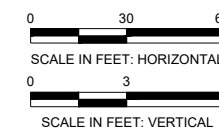
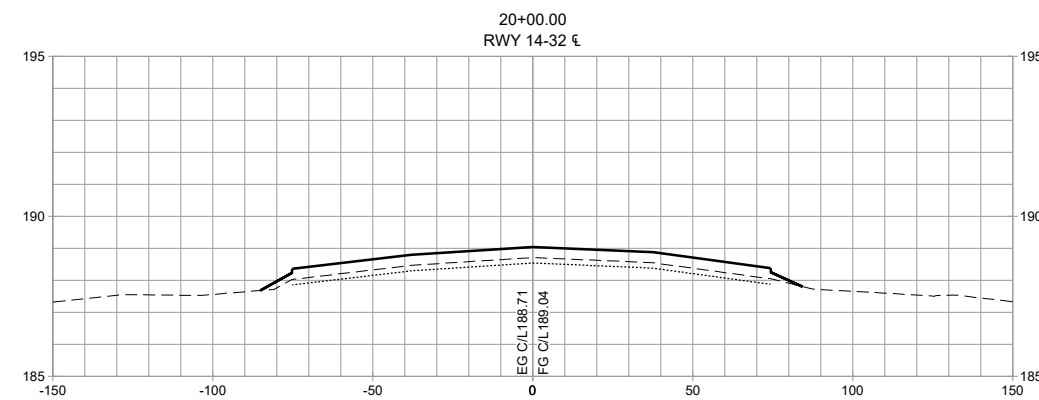
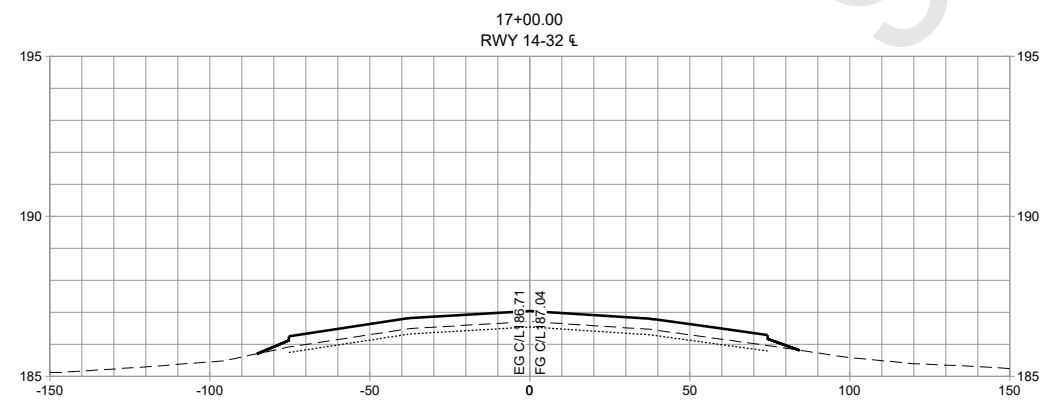
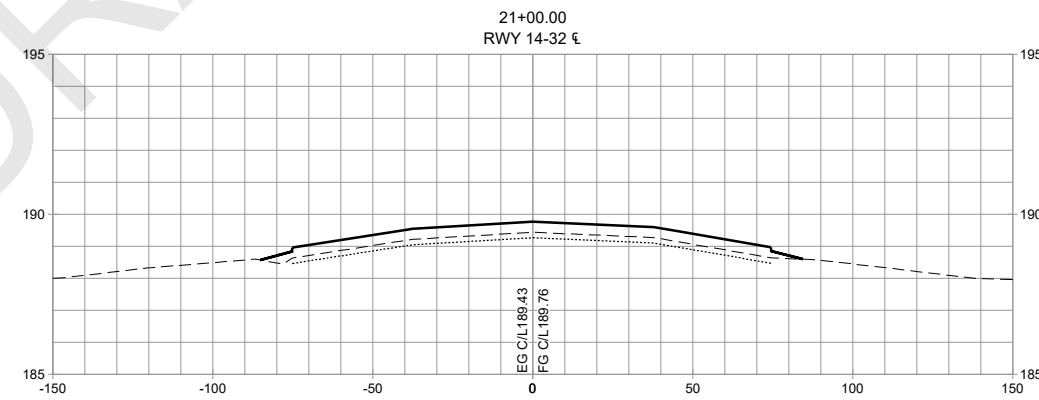
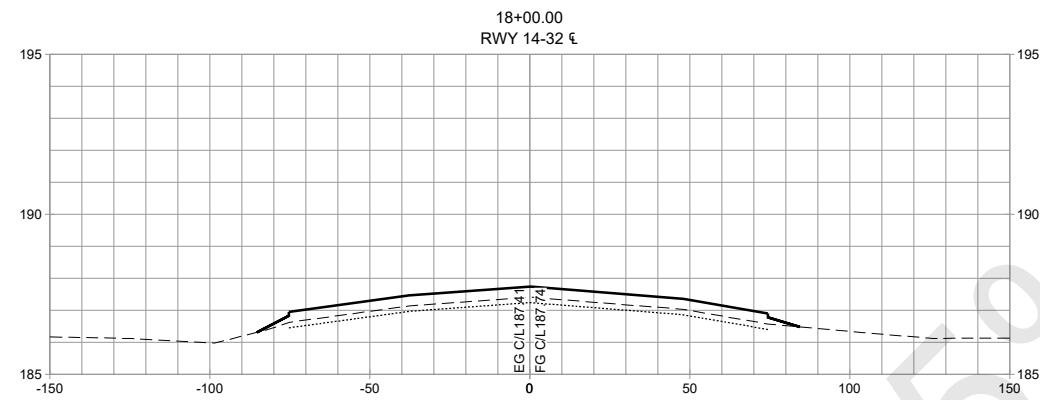
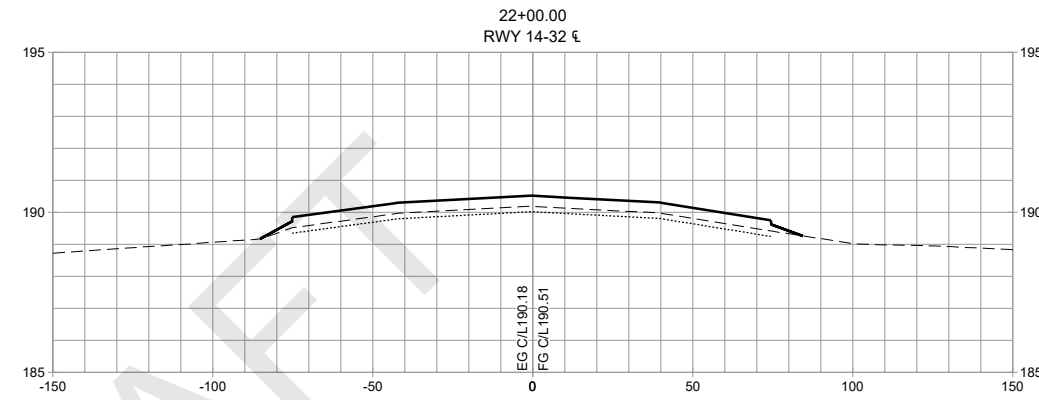
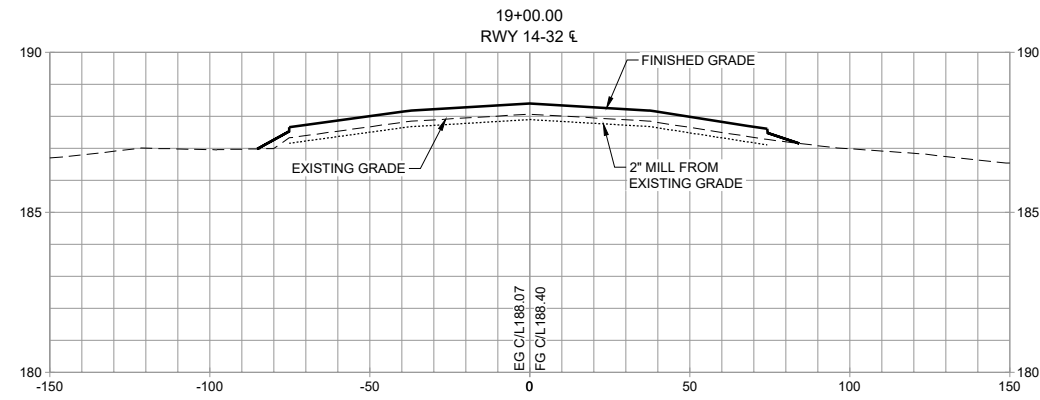
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Sheet: 7.1



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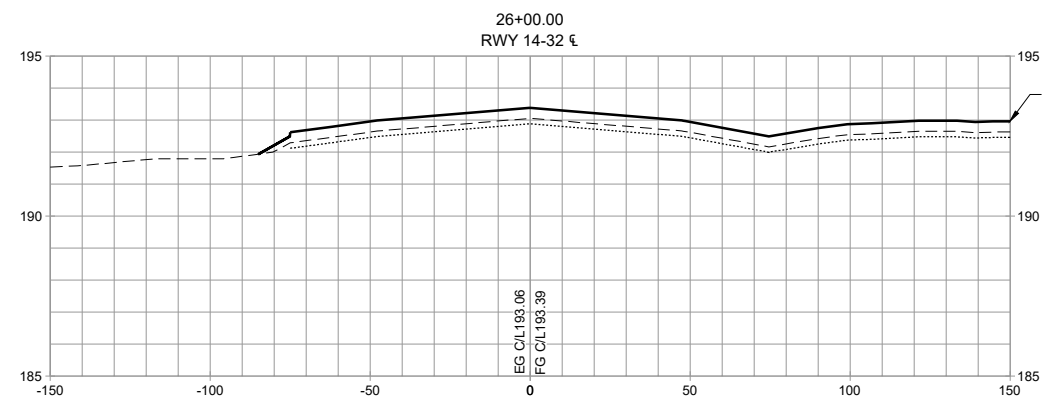
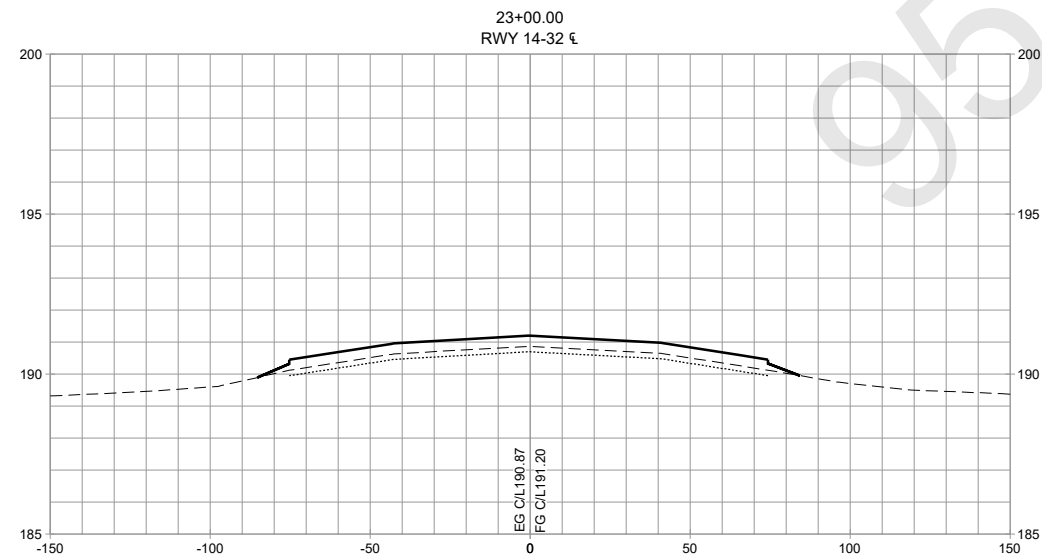
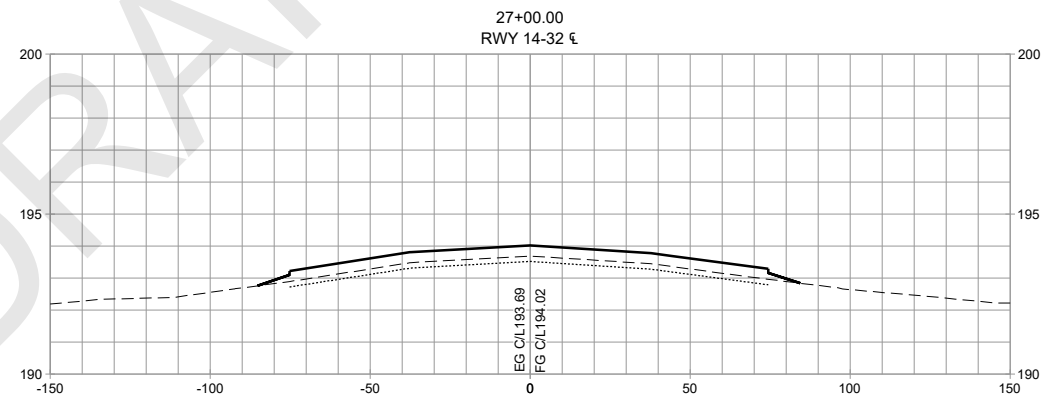
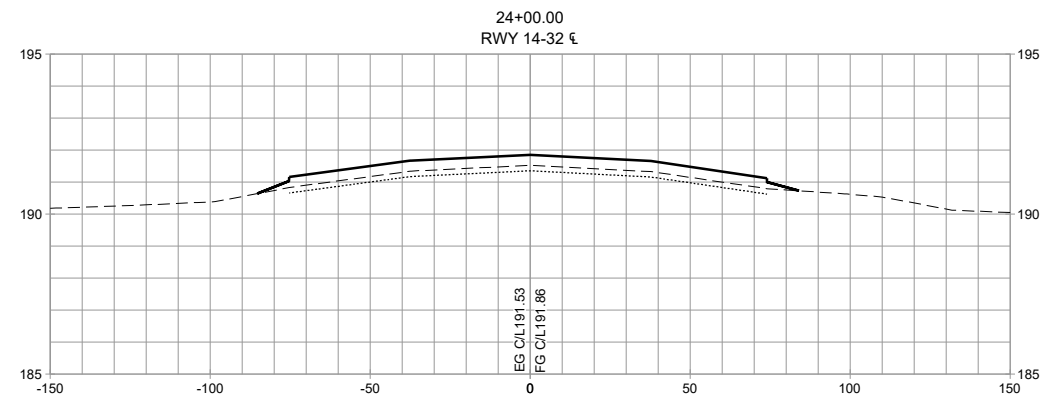
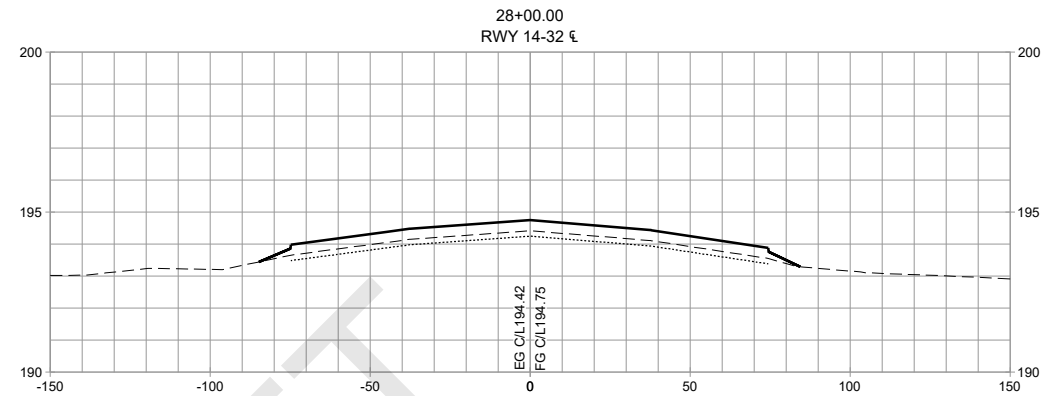
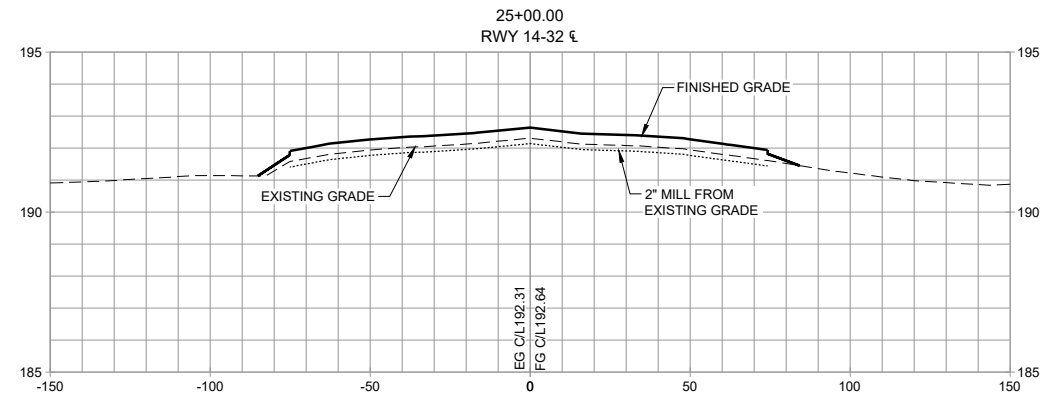
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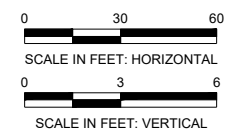
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SEE PLAN & PROFILE SHEET 3.9 FOR TAXIWAY A3 CONTINUATION



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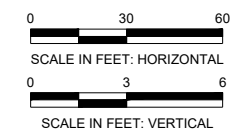
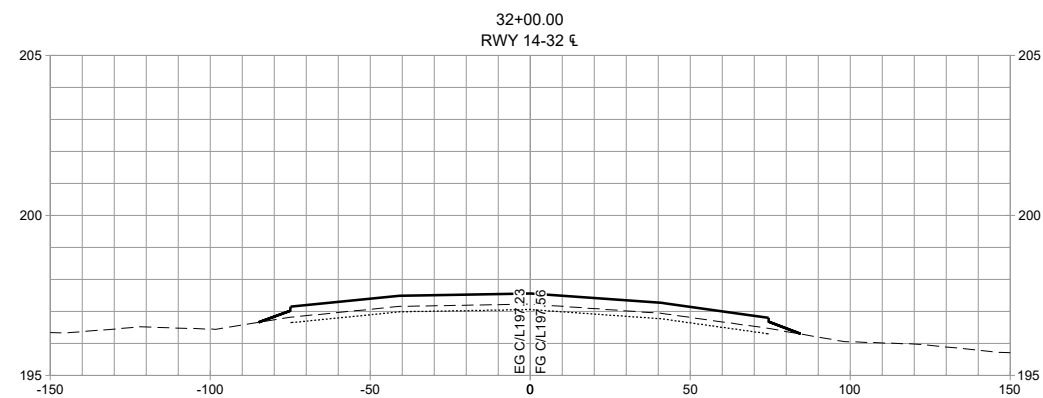
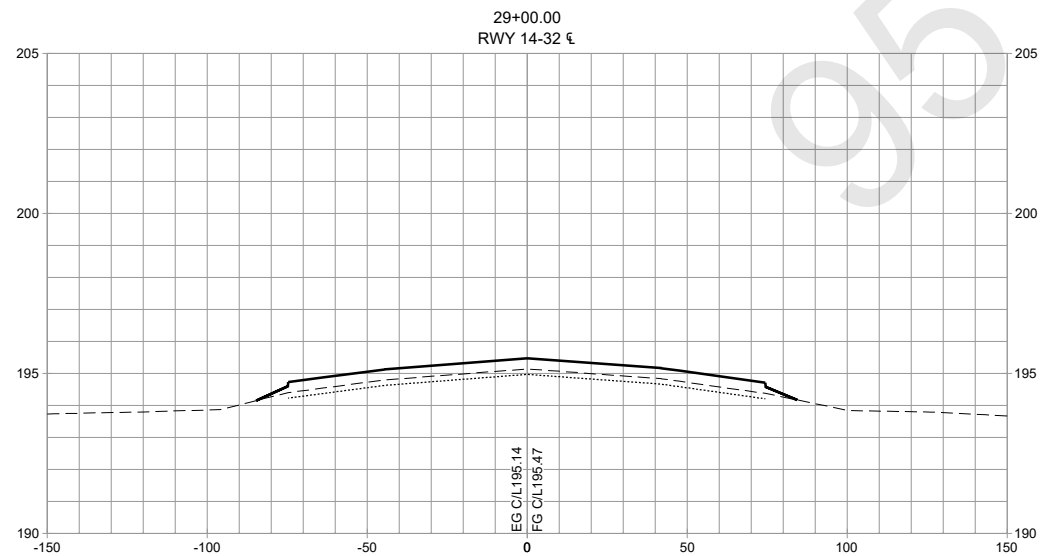
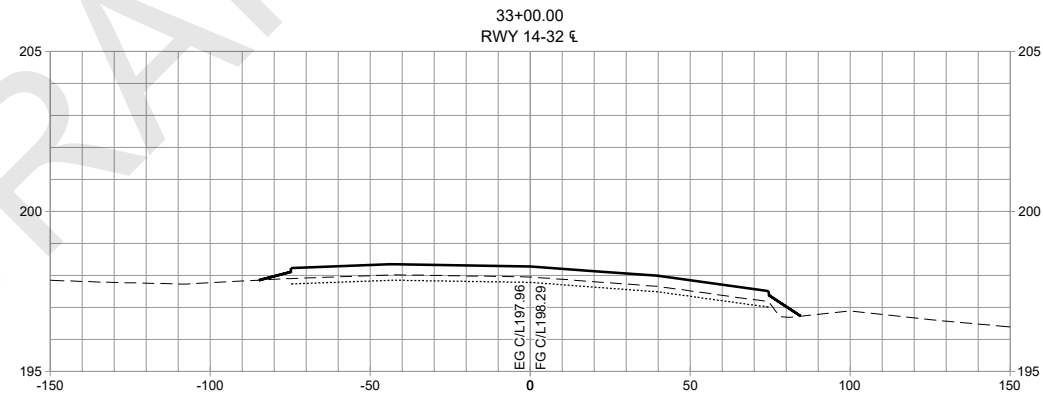
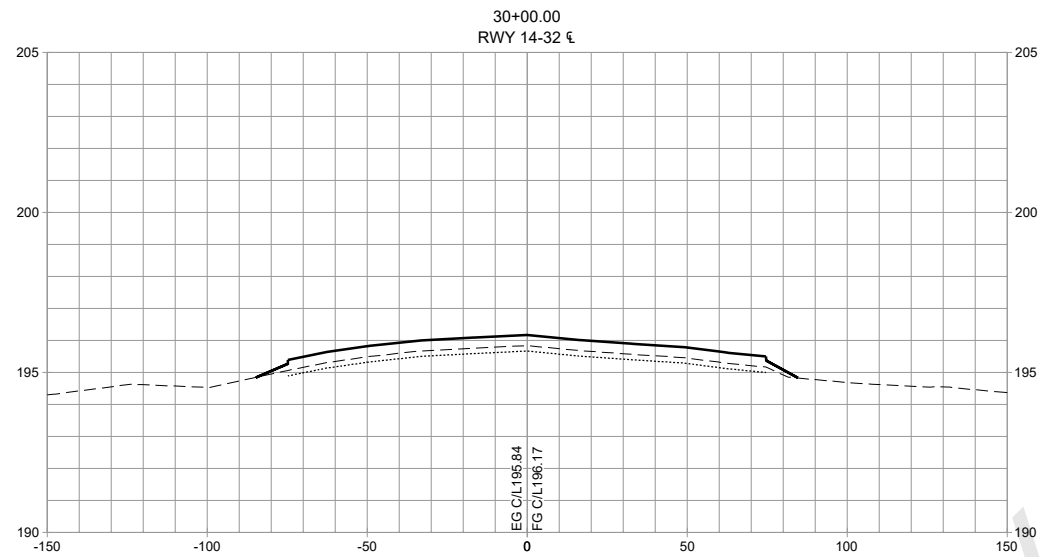
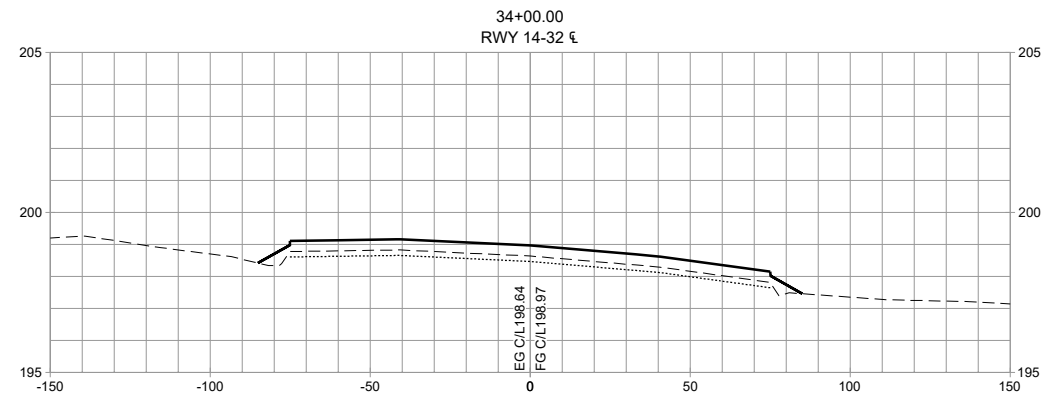
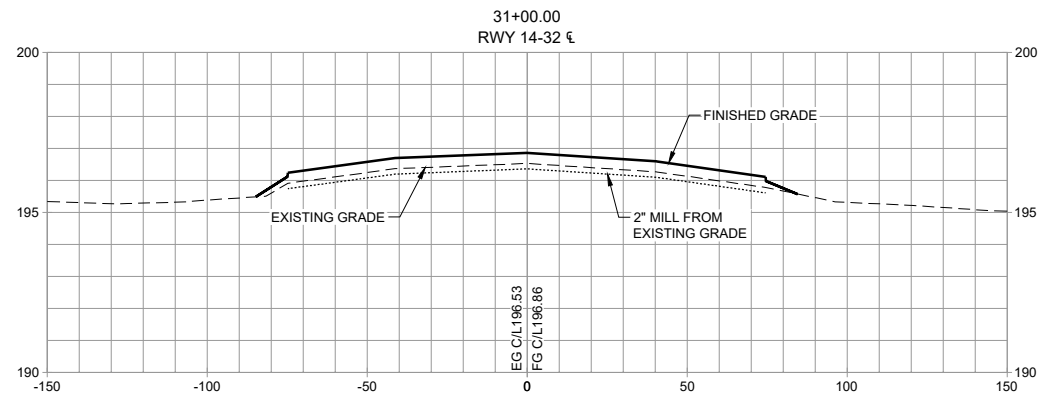
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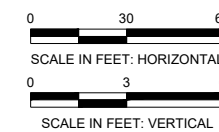
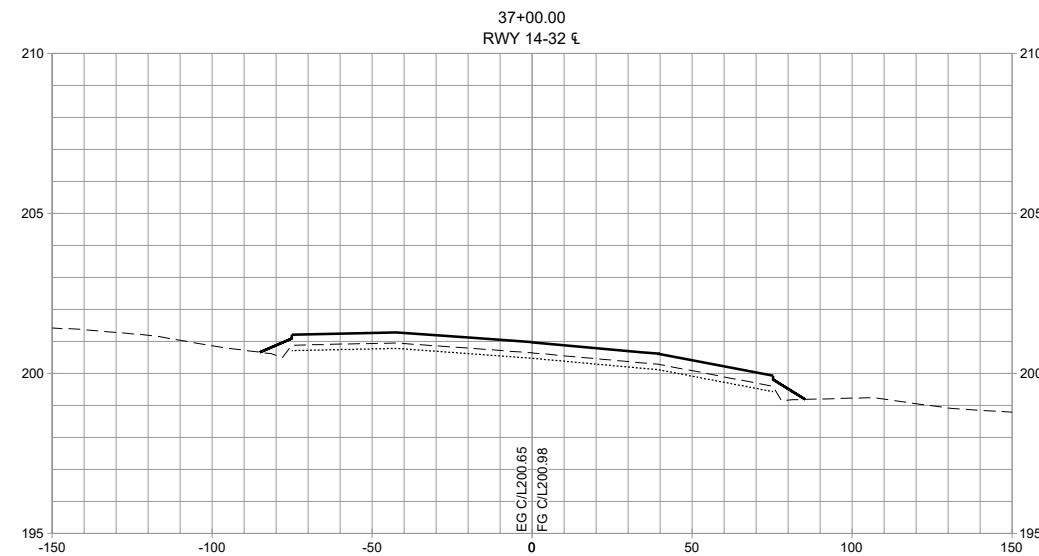
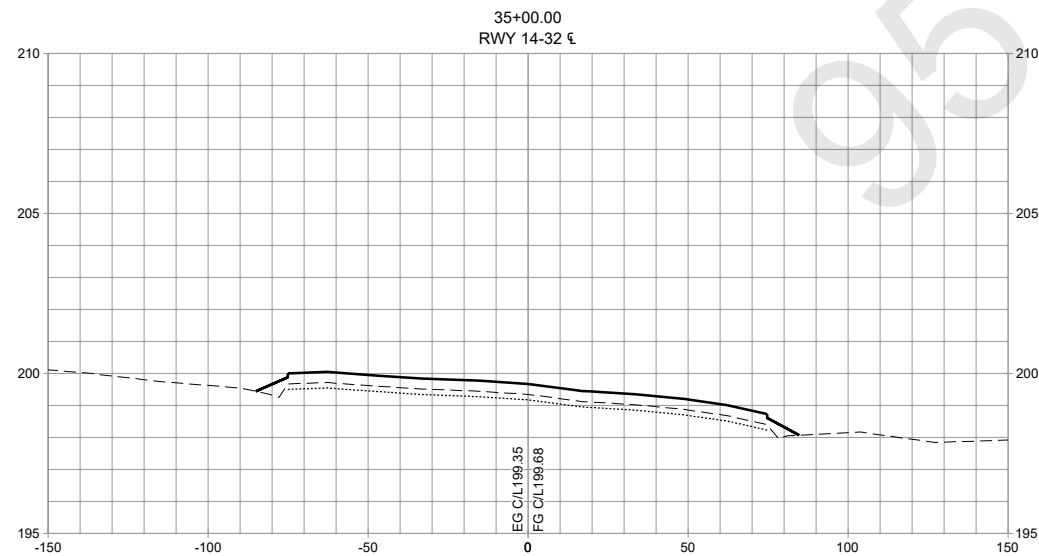
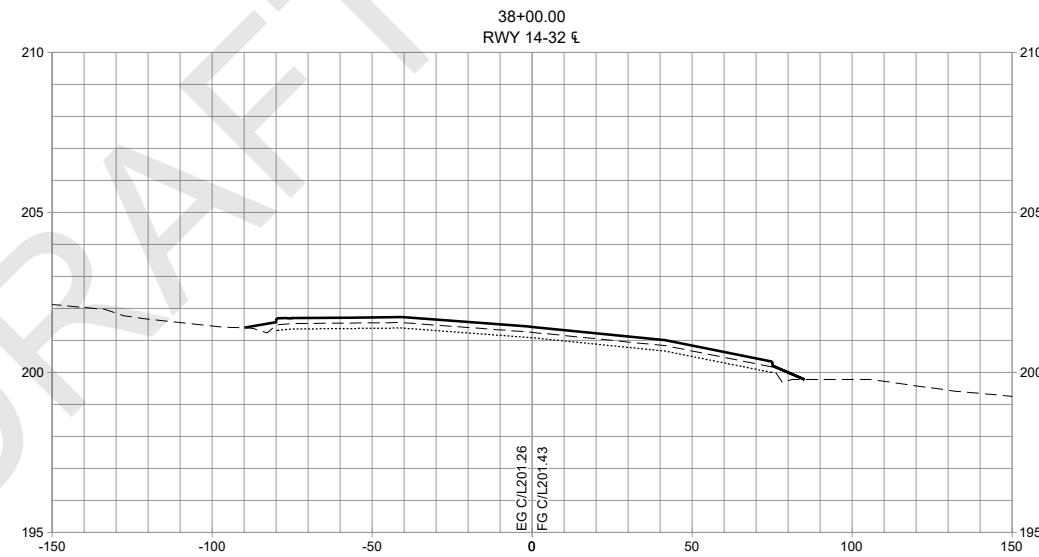
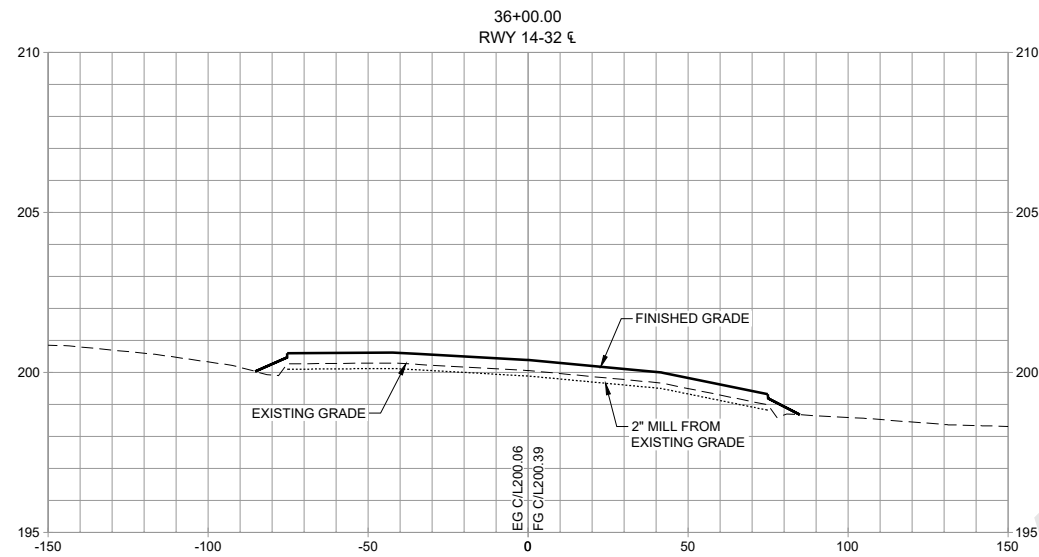
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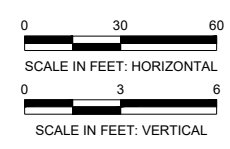
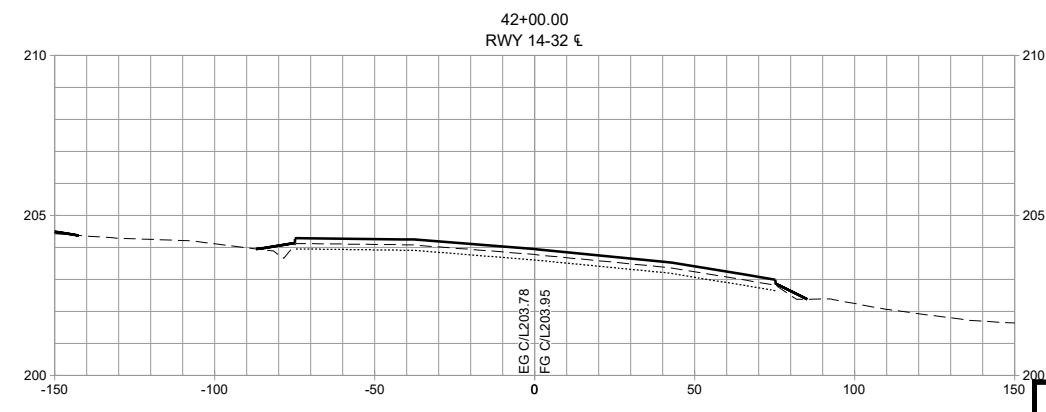
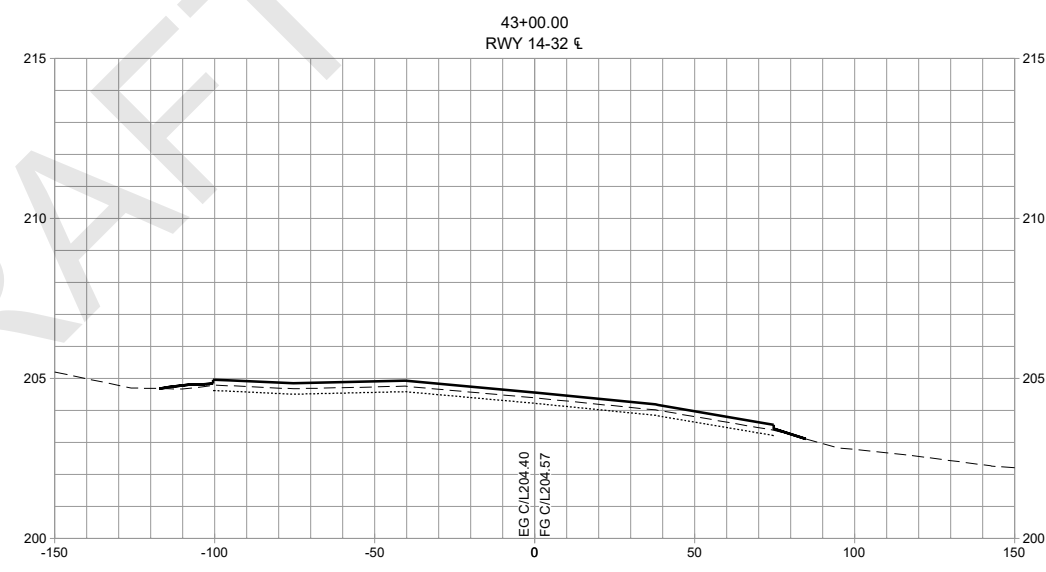
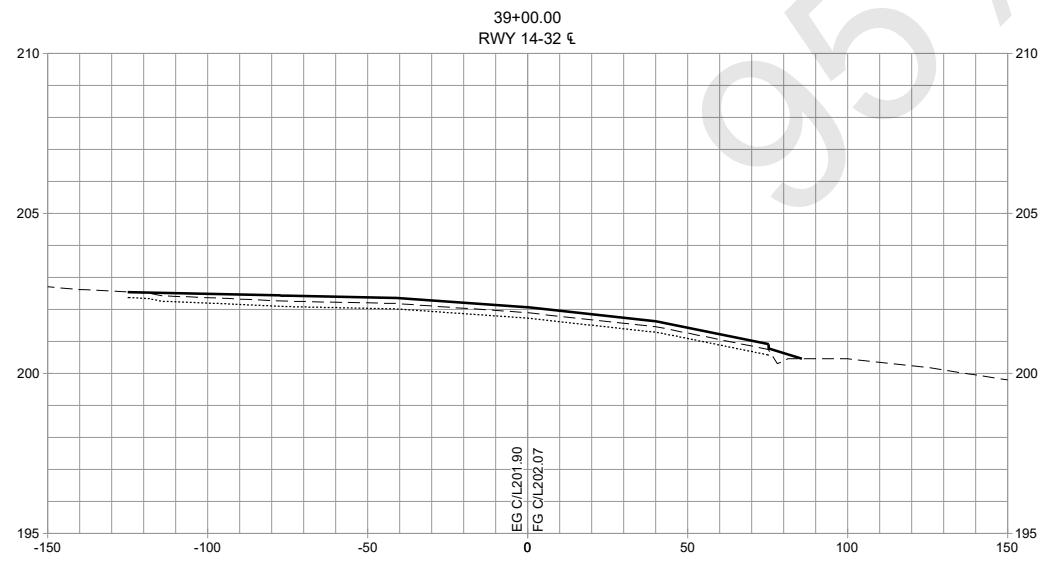
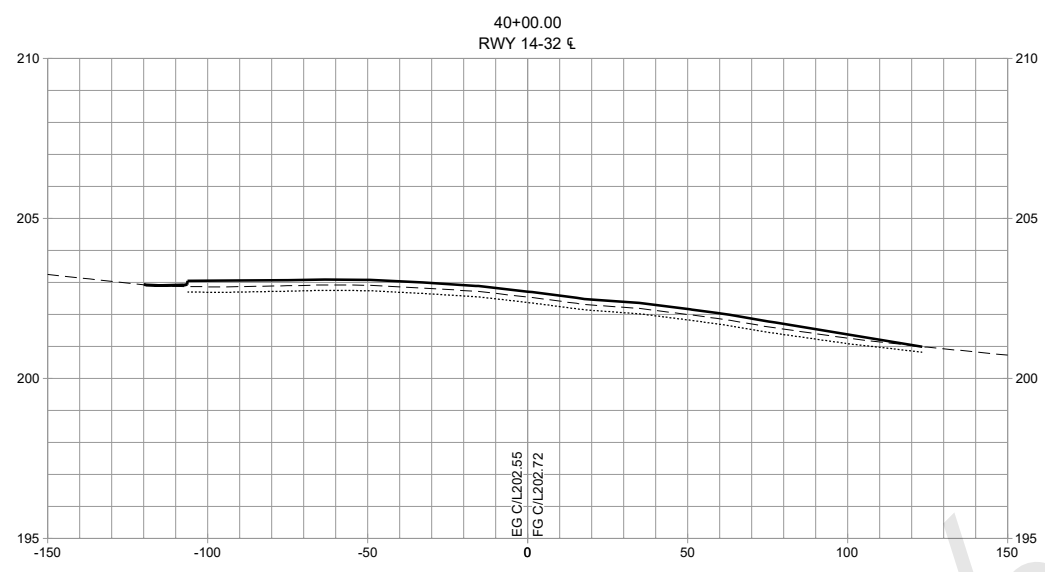
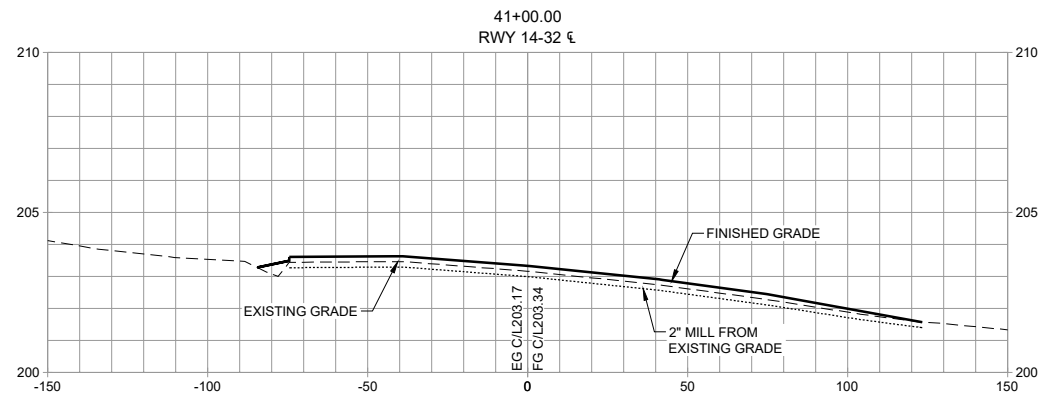
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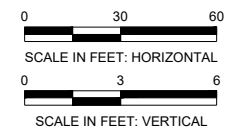
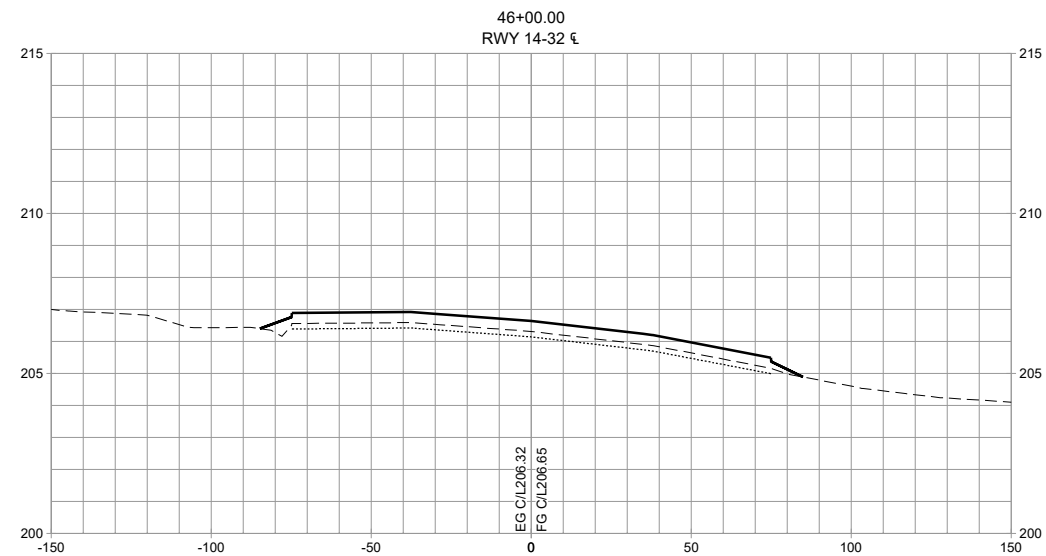
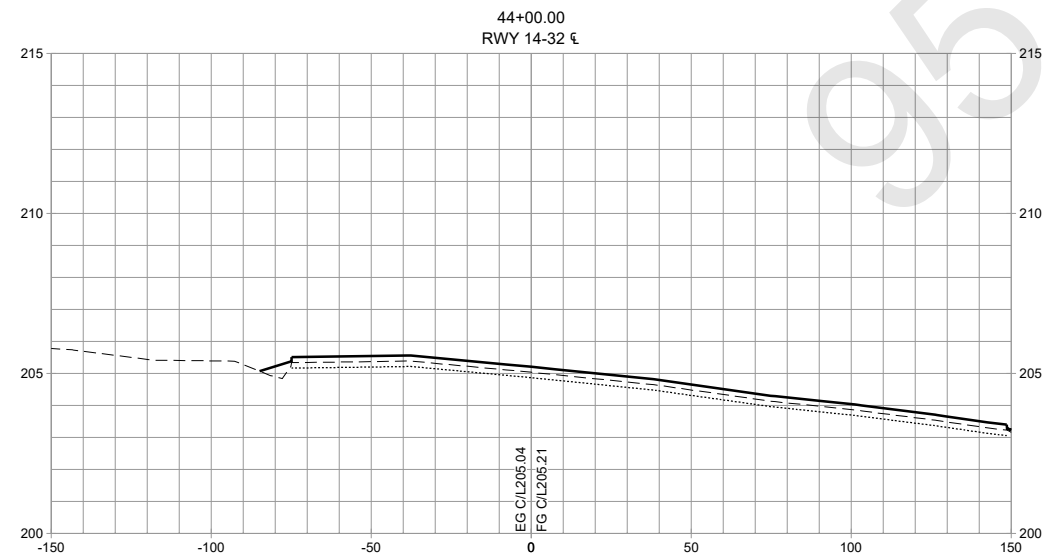
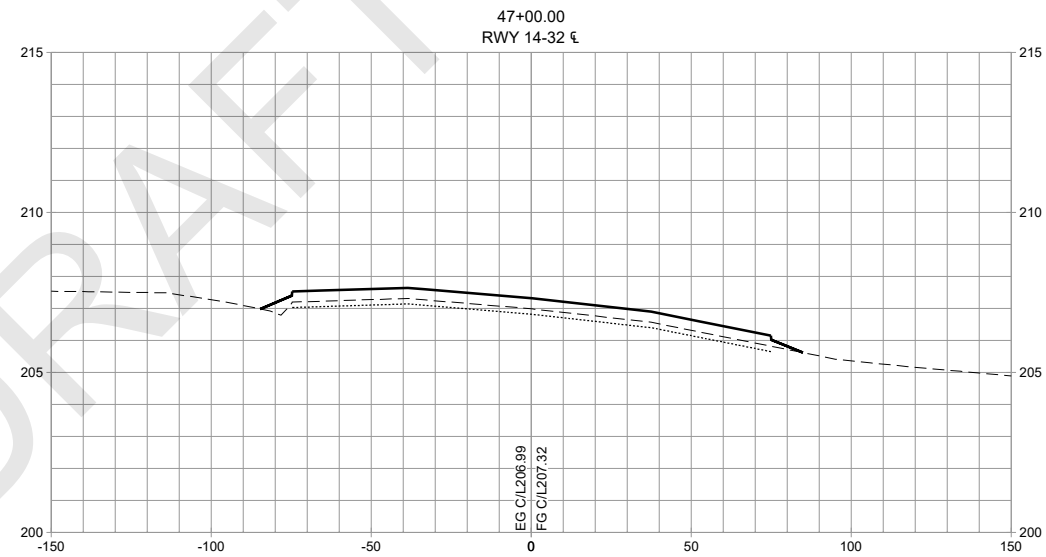
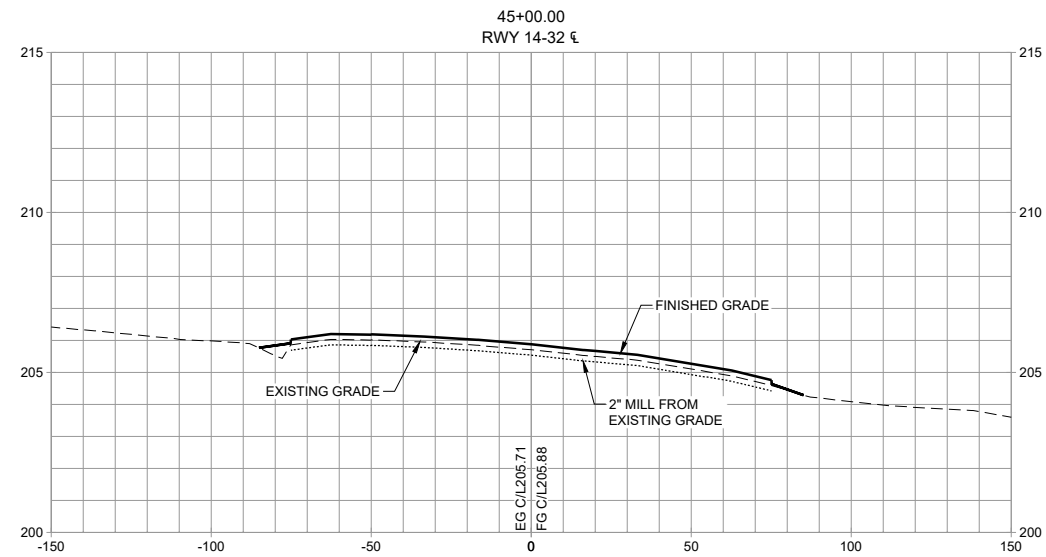
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REHAB RW 14/32 & LIGHTING SYSTEM  
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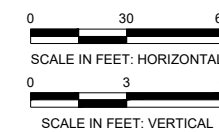
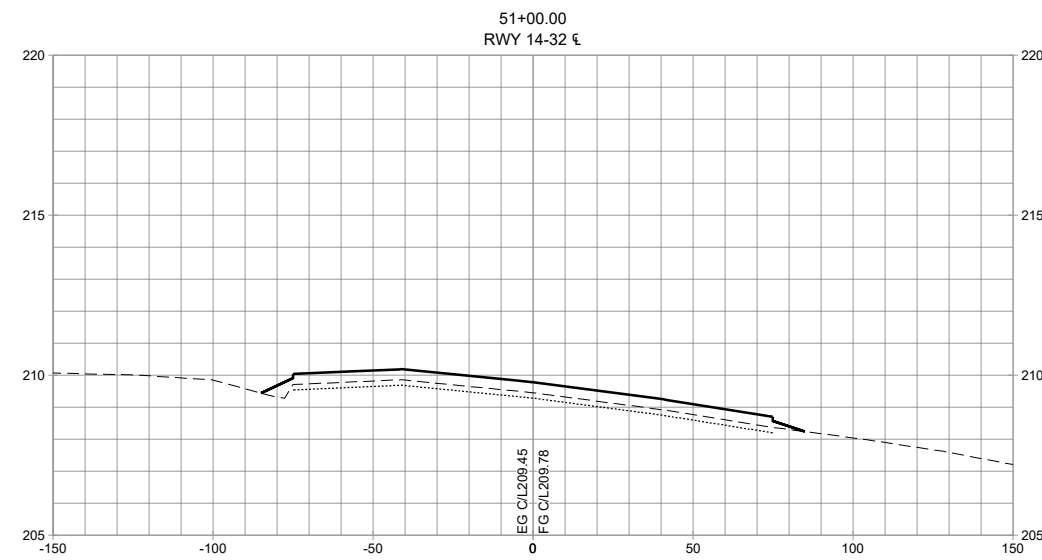
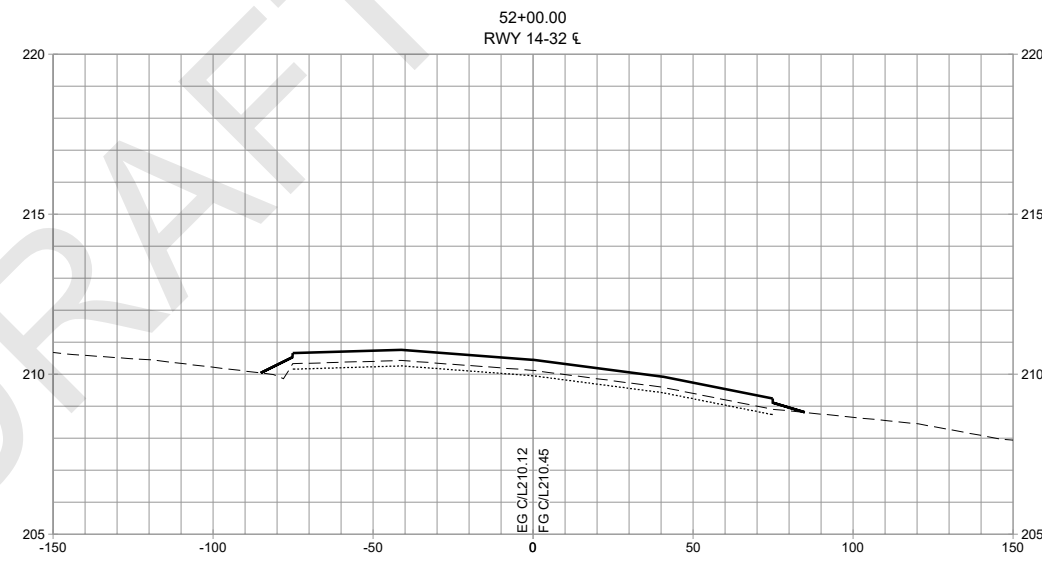
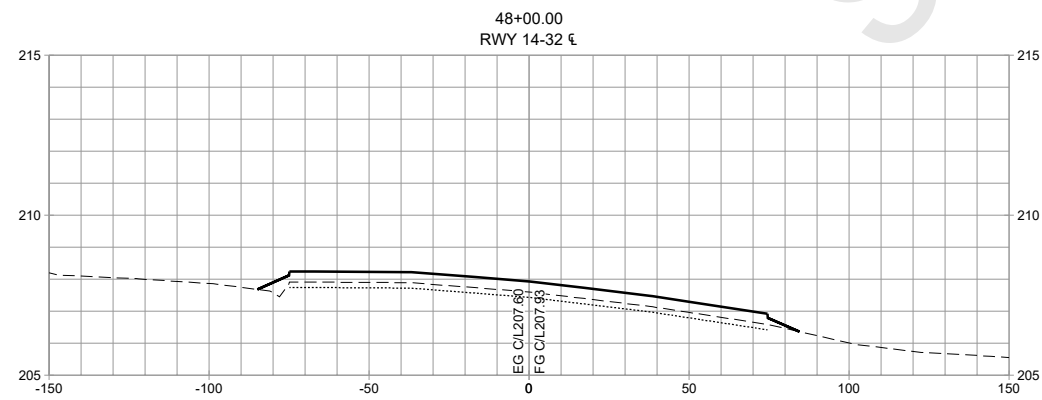
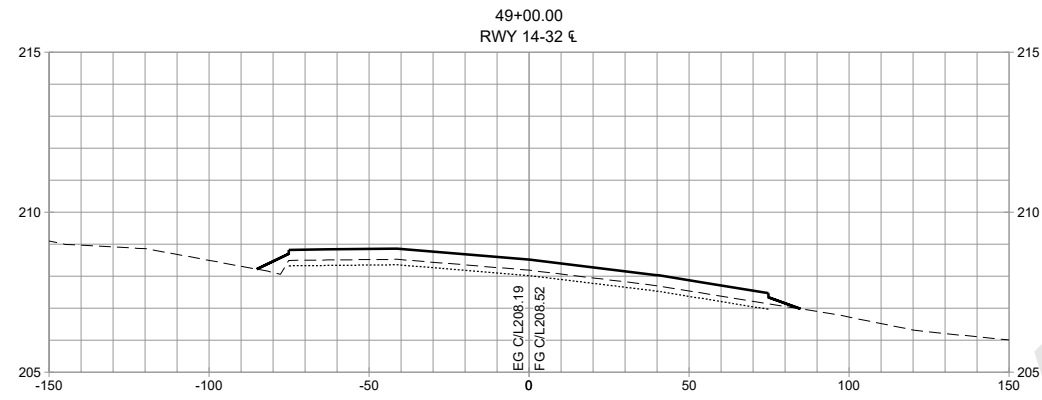
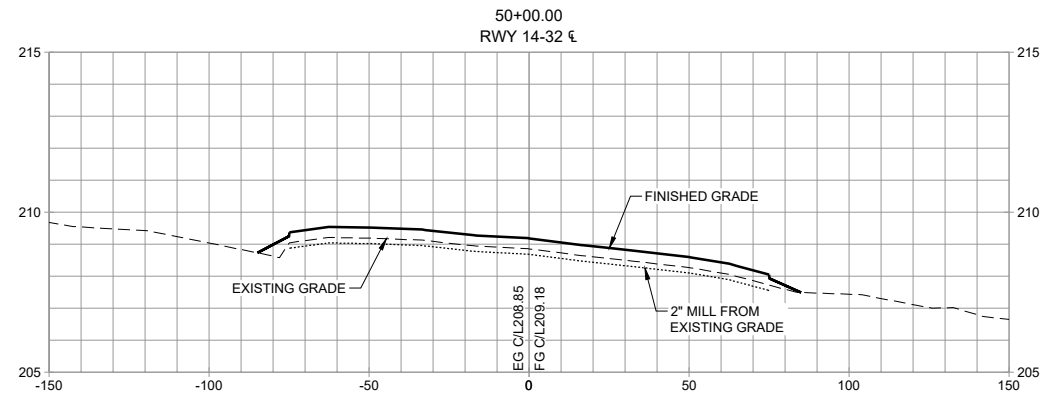
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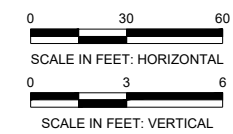
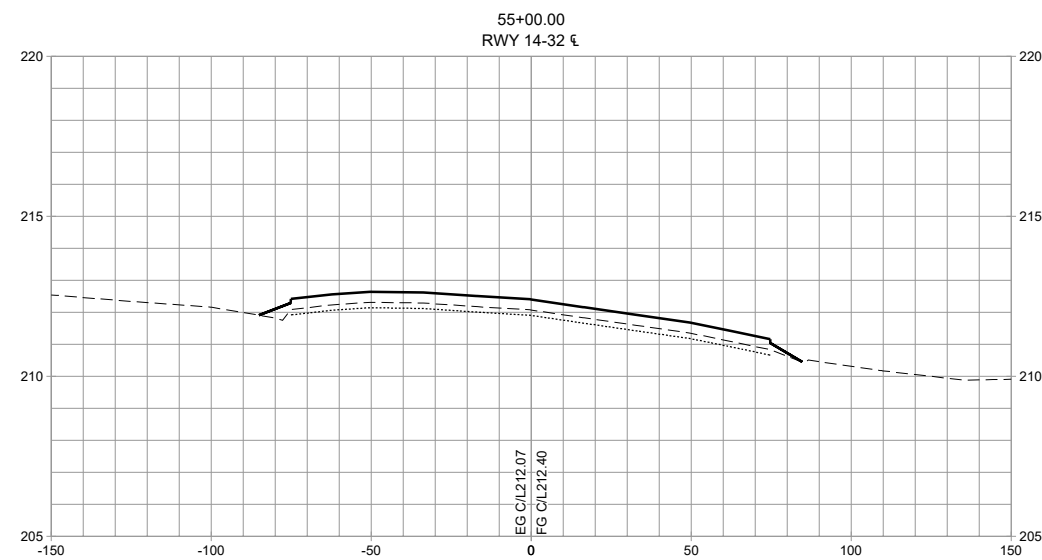
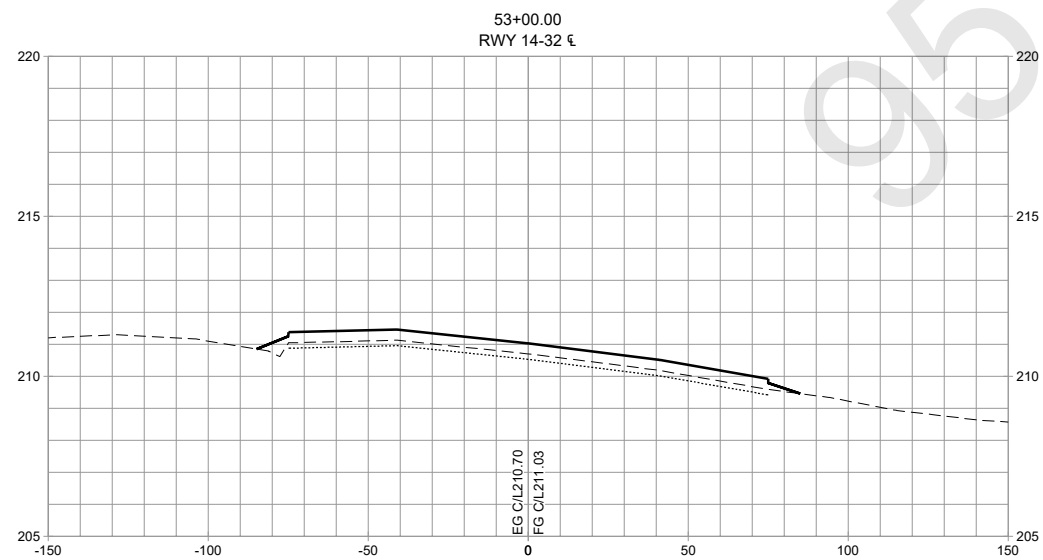
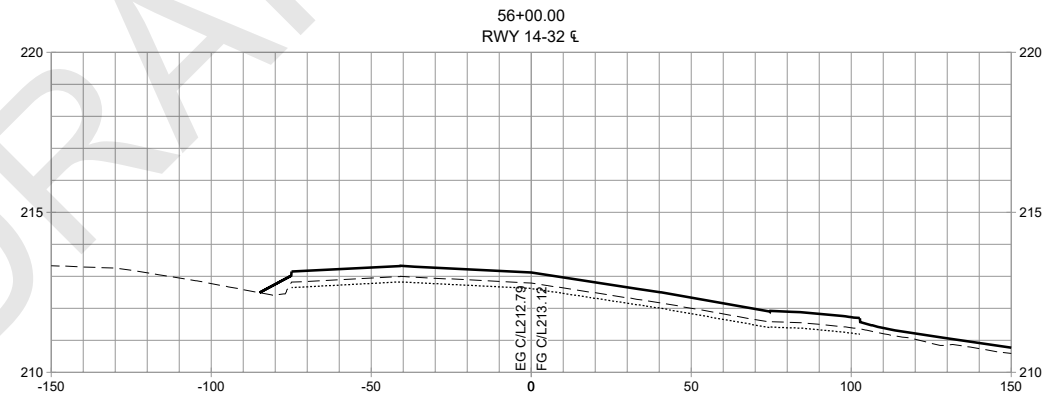
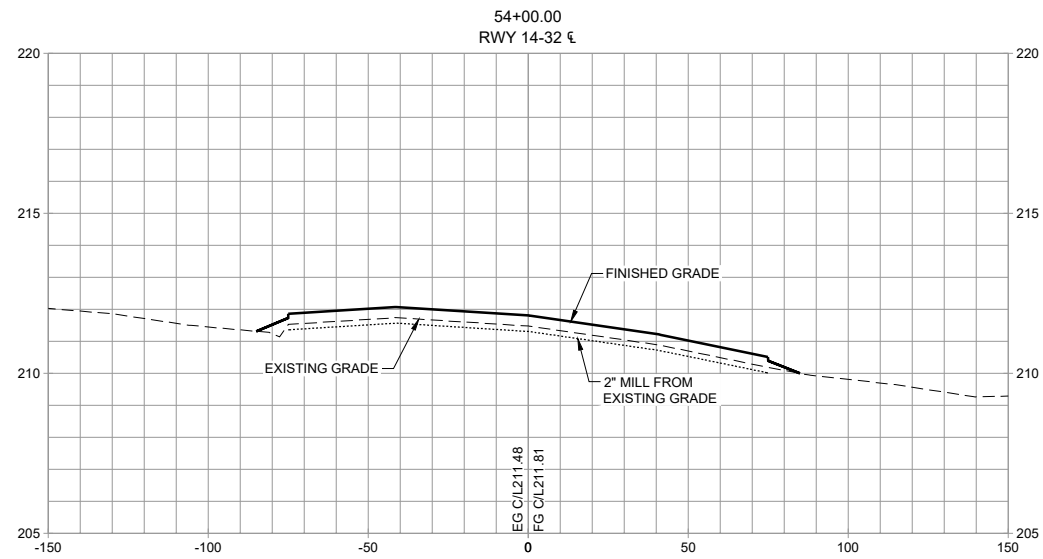
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AIP No. 3-06-0010-053-2022

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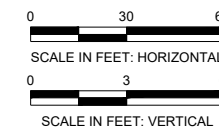
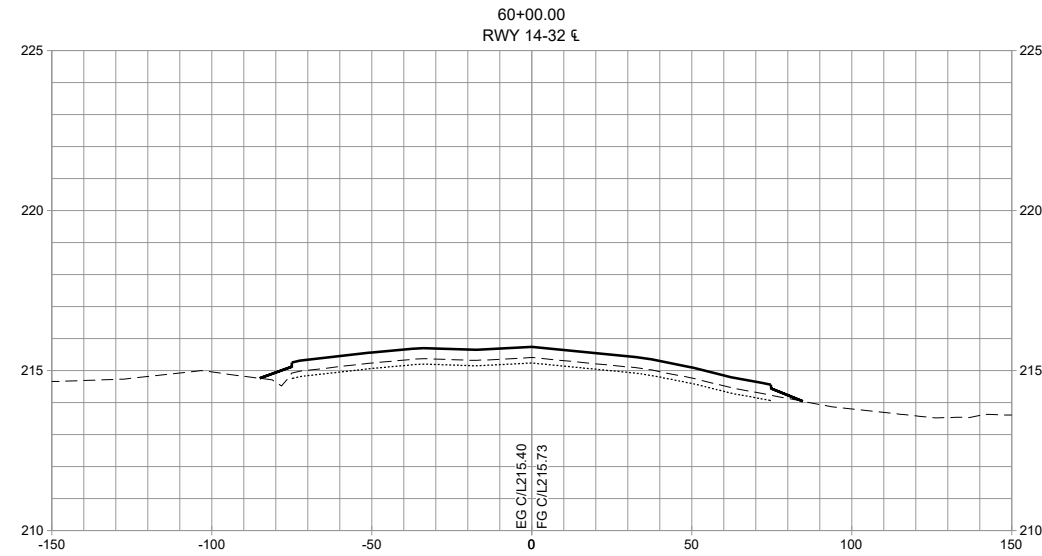
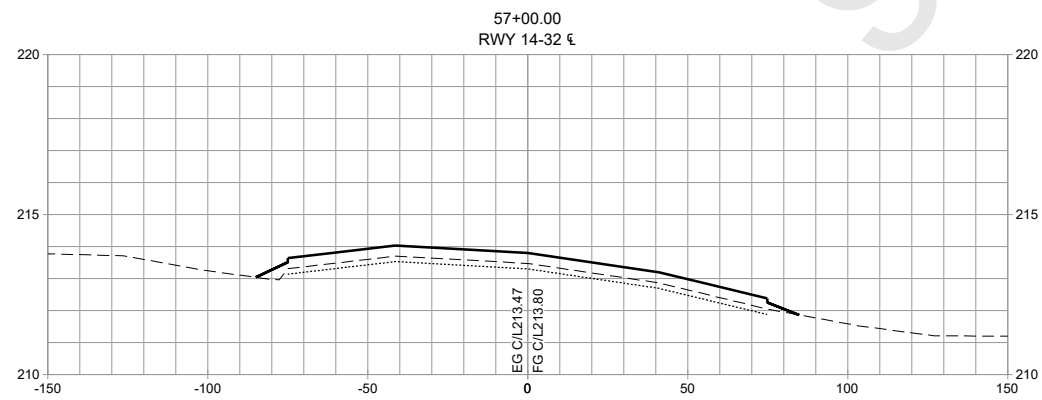
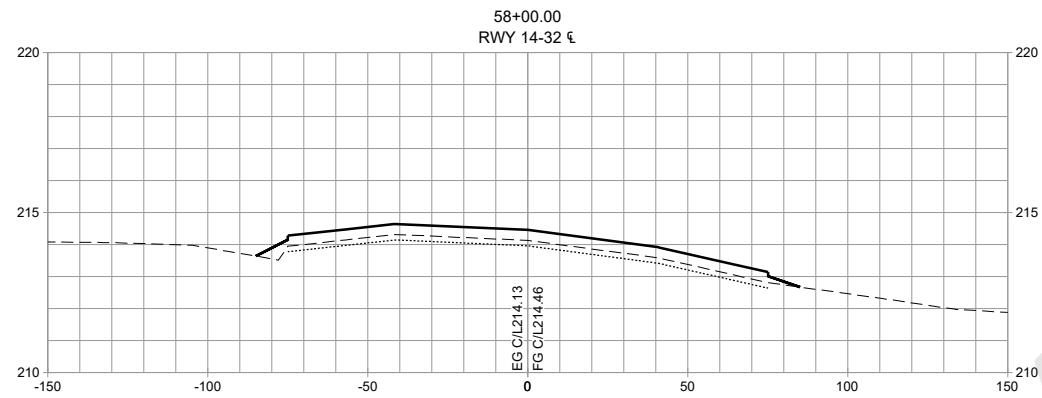
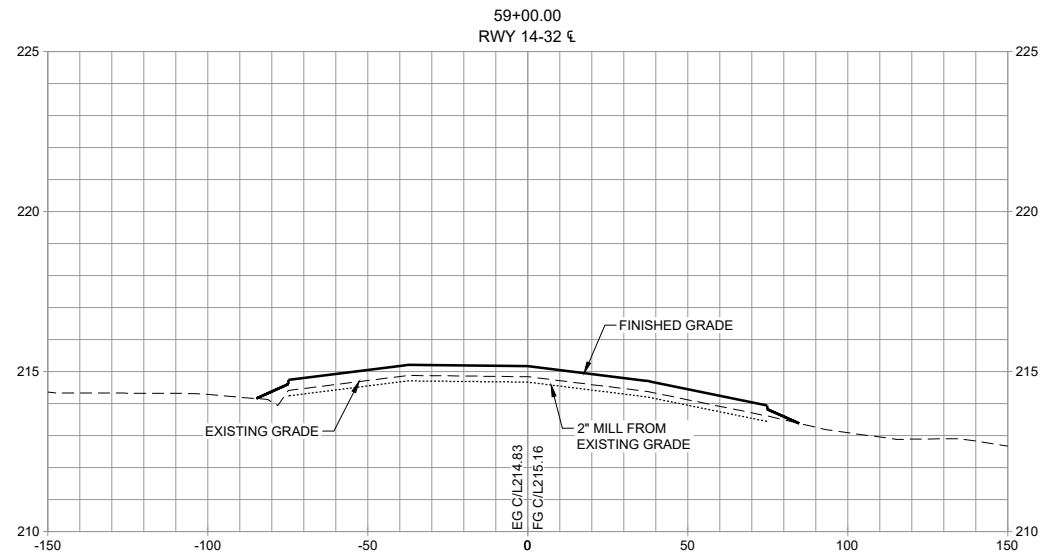
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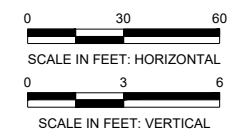
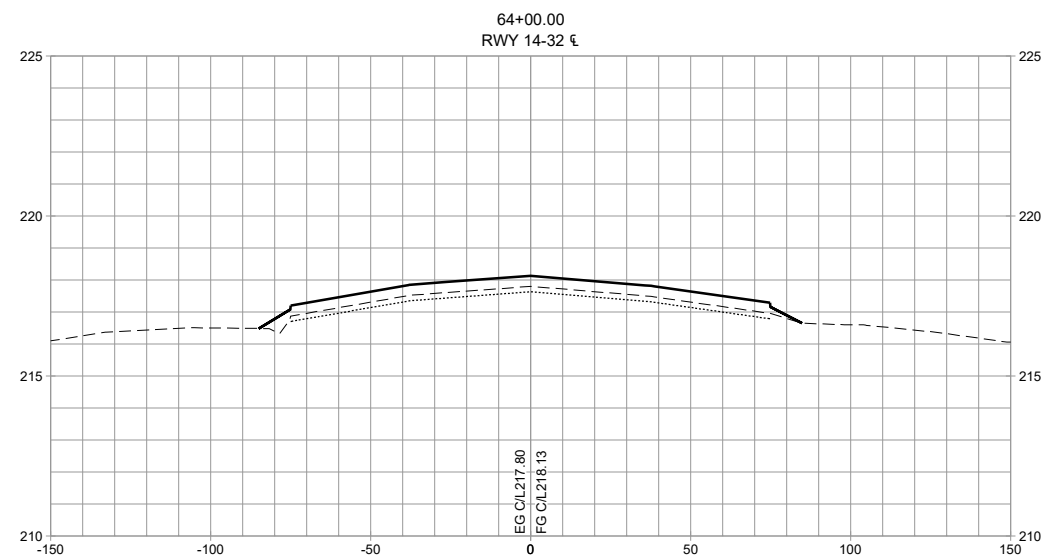
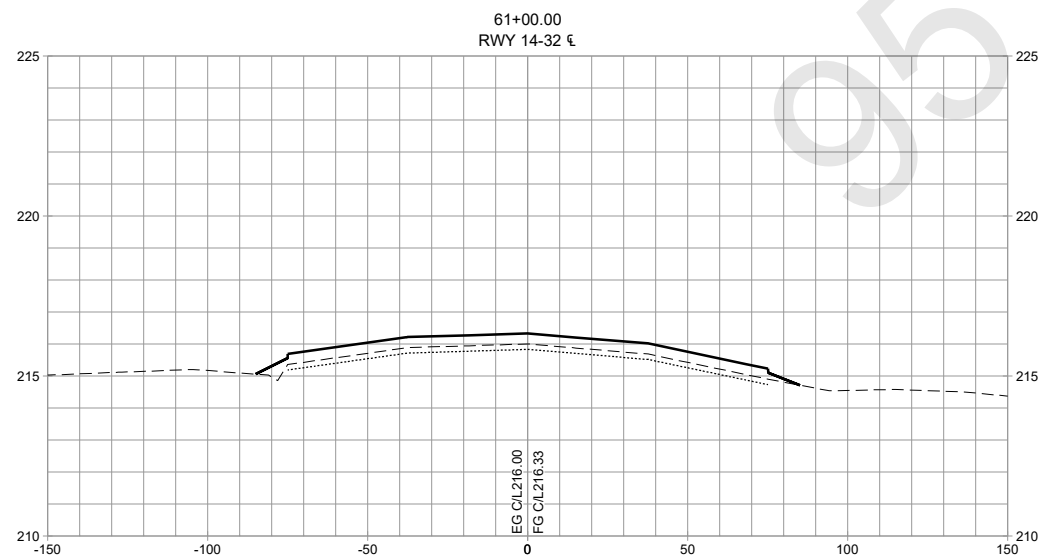
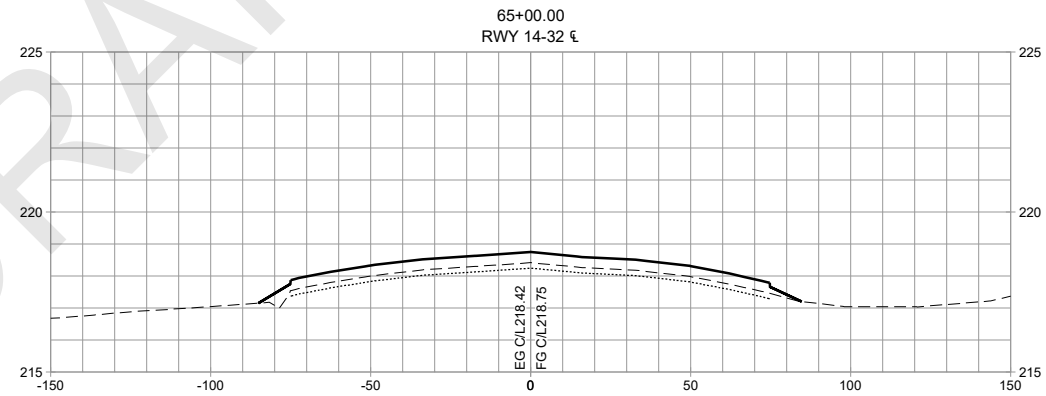
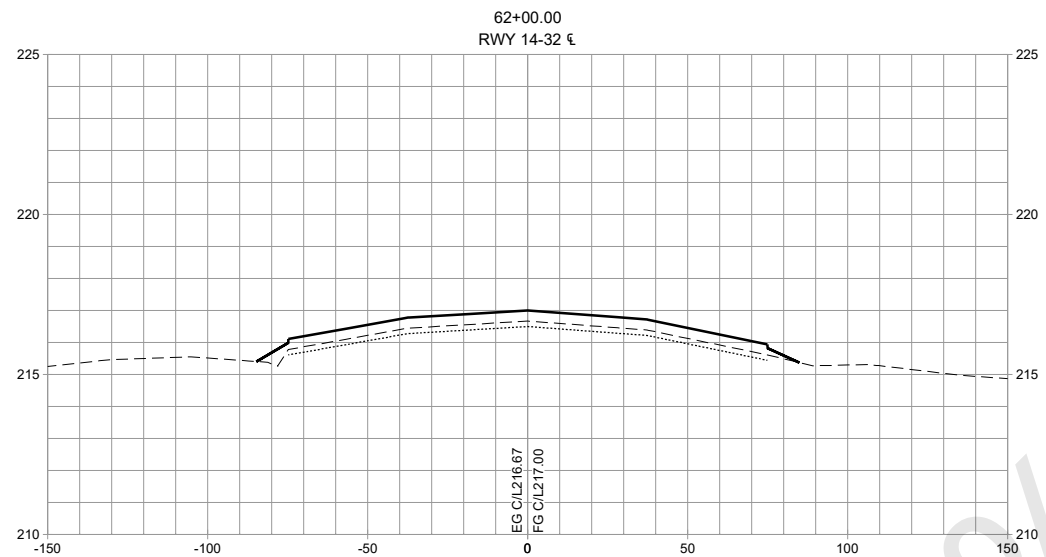
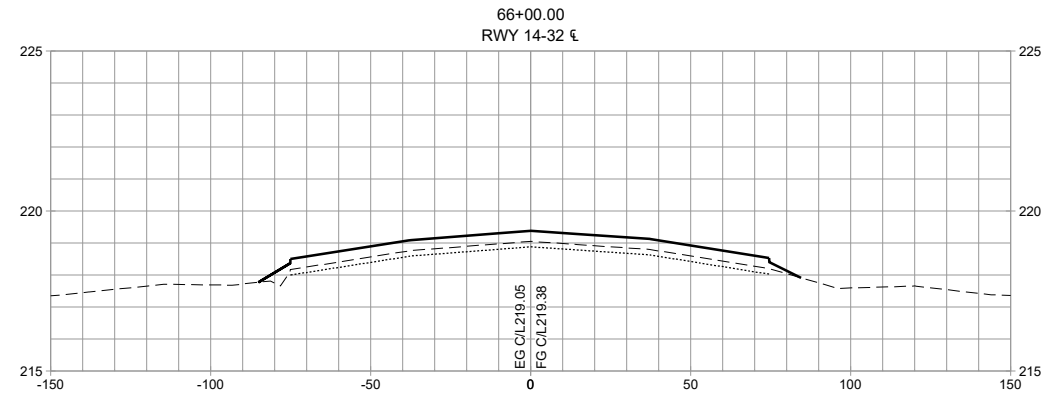
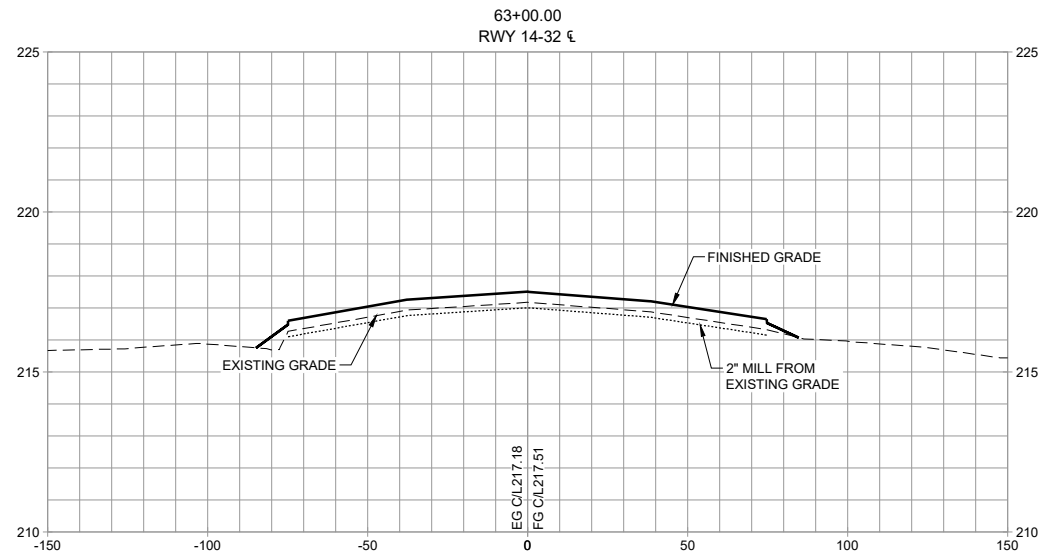
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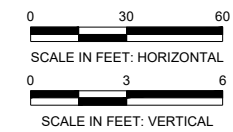
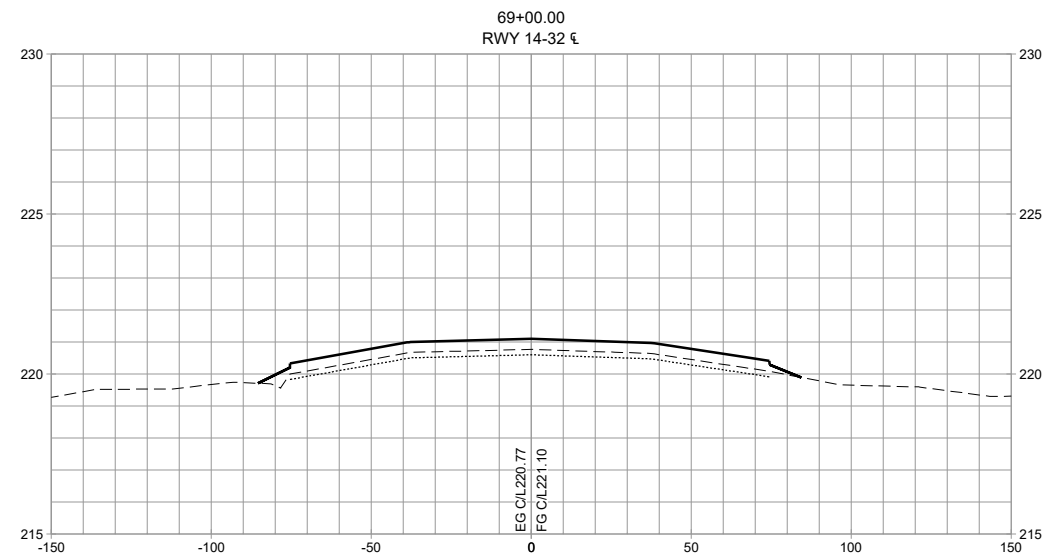
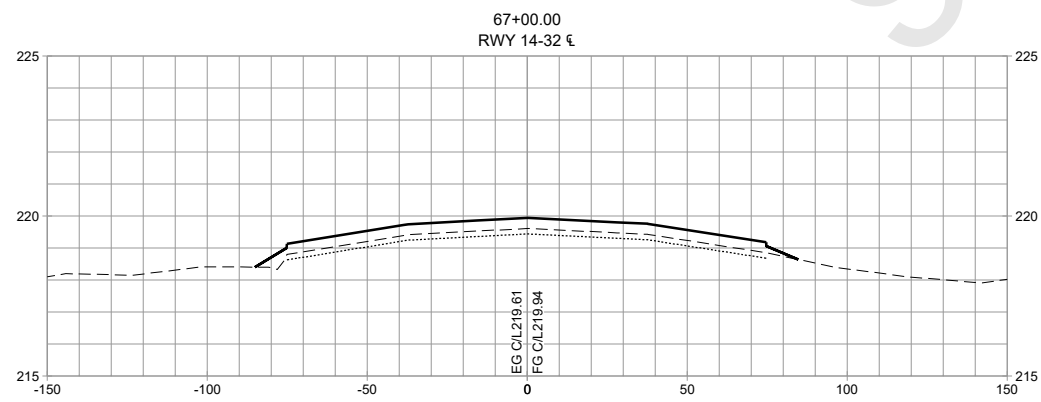
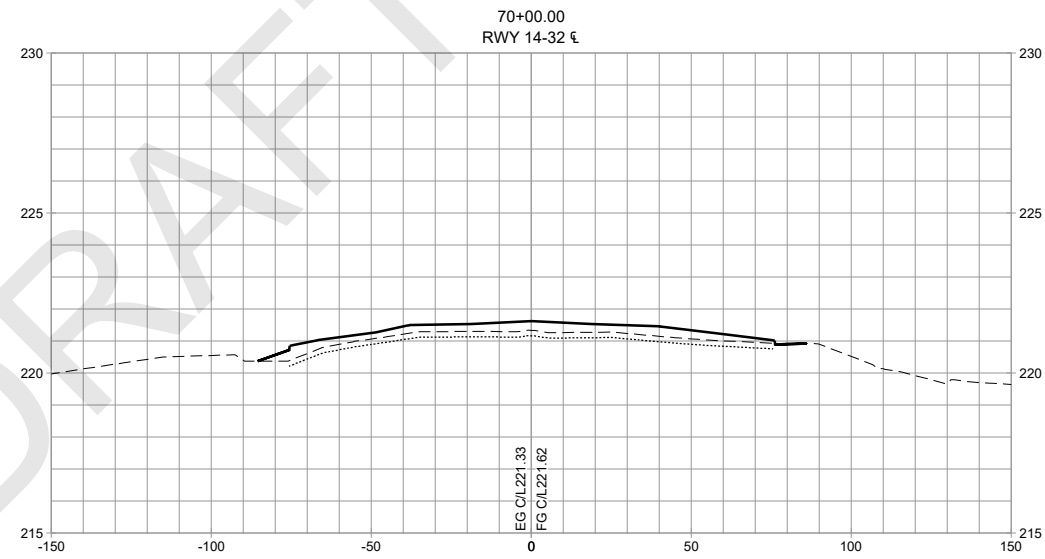
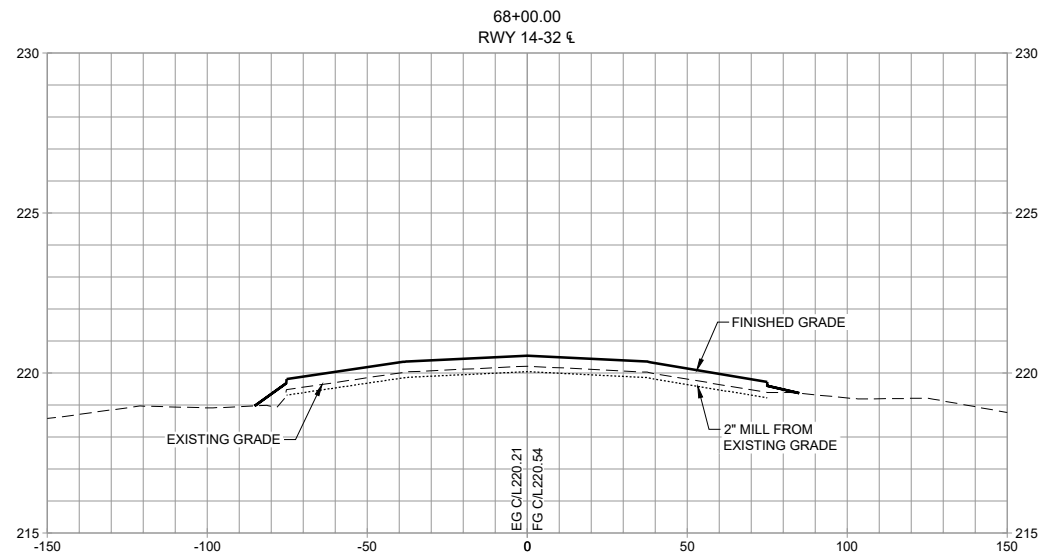
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ELECTRICAL NOTES

1. GENERAL:

- A. DURING EACH SHIFT, CONTRACTOR SHALL ONLY REPLACE THE AMOUNT OF CABLE THAT CAN BE ENERGIZED AT THE END OF EACH SHIFT... B. AS-BUILT INFORMATION... C. SALVAGED EQUIPMENT... D. ENVIRONMENTAL - PUMP SHALL BE PLACED ON THE GROUND AWAY FROM CLOSEST STORM DRAIN... E. QUANTITIES SHALL BE REVIEWED AND RECONCILED... F. MANHOLE/HANDHOLES TO BE CLOSED UP AT THE END OF THE SHIFT.

2. NOTES FOR TEMPORARY ELECTRICAL WORK:

- A. ALL RUNWAY AND TAXIWAY LIGHTING, INCLUDING LIGHTED SIGNS, SHALL BE MAINTAINED UNLESS OTHERWISE APPROVED BY THE ENGINEER... B. TEMPORARY CABLING MAY BE USED TO MAINTAIN CIRCUIT CONTINUITY... C. TEMPORARY CABLE CONNECTIONS SHALL BE MADE AT LIGHT BASES OR HANDHOLES... D. CONTRACTOR SHALL CONFIGURE TEMPORARY MODIFICATIONS TO AIRFIELD LIGHTING CIRCUITS... E. IN TRANSITIONING FROM ONE AREA OF WORK TO THE NEXT, TEMPORARY CIRCUIT CONNECTIONS SHALL BE REMOVED IF NO LONGER REQUIRED... F. TEMPORARY ELECTRICAL WORK FOR MAINTAINING AIRFIELD LIGHTING CIRCUITS... G. COORDINATE WITH MAINTENANCE AND OPERATIONS PERSONNEL... H. CONTRACTOR SHALL MAINTAIN ON HAND SUFFICIENT MATERIAL... I. LABEL AND TAG TEMPORARY CABLE...

3. DEMOLITION AND REMOVAL NOTES:

- A. PRIOR TO WORK START IN ANY NEW AREA, CONTRACTOR MUST PERFORM A SITE WALK WITH MAINTENANCE TO DETERMINE ANY CRACKS OR DEFICIENCIES... B. CONTRACTOR SHALL REMOVE AND REINSTALL FIXTURES AS DETAILED IN THE DRAWINGS... C. DUCTBANK TO BE ABANDONED SHALL HAVE ALL CABLE REMOVED FROM INSIDE EACH CONDUIT... D. CONTRACTOR SHALL ASSUME THAT CABLE LENGTH TO BE REMOVED EQUALS THE QUANTITY OF NEW CABLE... E. EXISTING GROUND WIRE LOCATED IN EXISTING BASE CANS... F. PRIOR TO DEMOLITION OF ANY CABLE IN A MANHOLE OR HANDHOLE...

4. DUCTBANK AND CONDUIT:

- A. TRENCHES SHALL NOT BE LEFT OPEN WHEN A TAXIWAY IS OPERATIONAL... B. ANY UNPROTECTED CABLE (DIRECT-BURIED) ENCOUNTERED THAT IS VERIFIED AS NOT ABANDONED... C. CONDUIT SYSTEMS UNLESS OTHERWISE NOTED SHALL BE: a. ALL UNDERGROUND CONDUITS TO BE SCHEDULE 40 PVC... b. ALL CONTROL AND POWER CONDUITS... c. ALL FLEX CONDUIT SHALL BE LIQUID TIGHT METALLIC UL-RATED... d. ALL EMPTY CONDUITS SHALL BE PROVIDED WITH A NEW 3/8 PULL STRING... f. CONNECTIONS TO THE WIREWAYS FROM CORs AND CIRCUIT SELECTOR SWITCHES...

5. UTILITY NOTES:

- A. THE LOCATIONS OF UNDERGROUND UTILITIES, CABLES, DUCTS, CONDUITS, ETC. AS INDICATED ON PLANS HAVE BEEN OBTAINED FROM EXISTING RECORDS AND ARE APPROXIMATE...

CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES, INCLUDING SERVICE CONNECTIONS TO UNDERGROUND UTILITIES, PRIOR TO CONSTRUCTION... B. THE CONTRACTOR SHALL USE HAND EXCAVATION TO PROVIDE INVESTIGATIVE PITS TO IDENTIFY LOCATION OF EXISTING UTILITIES... C. DISTURBED AREAS AND RUTS OUTSIDE OF PAVEMENT AREAS SHALL BE RESTORED TO ORIGINAL SURFACE ELEVATIONS AND CONDITION...

6. MANHOLE/ HANDHOLE:

- A. FOR MANHOLES AND HANDHOLES ENTERED FOR WORK; PUMP OUT ALL WATER, CLEAN BOTTOM OF DEBRIS UTILIZING A VACUUM TRUCK... B. VERIFY ALL GROUND CONNECTIONS IN MANHOLE/HANDHOLE... C. ALL MANHOLES AND HANDHOLES ENTERED UNDER THIS WORK SHALL BE PHOTOGRAPHED PRIOR TO RECONFIGURATION... D. EACH WALL, FLOOR AND CEILING SHALL BE INDIVIDUALLY PHOTOGRAPHED... E. AFTER RECONFIGURATION AND/OR CLEANING OF EXISTING MANHOLES AND HANDHOLES... F. CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING A SAFETY PLAN...

7. GROUND WIRE:

- A. ONE WAY, 2 INCH CONDUIT: a. CONTRACTOR SHALL INSTALL ONE NEW GROUND WIRE 600V, #6 GREEN IN ALL 2" CONDUITS... B. DUCTBANK: a. CONTRACTOR SHALL INSTALL ONE NEW #6, 600V GREEN GROUND WIRE... C. GROUND WIRE IS NOT SHOWN ON THE AREA PLANS BUT IS ACCOUNTED FOR IN THE BID SCHEDULE...

9. CABLE INSTALLATION NOTES:

- A. CLEANING CONDUIT: PRIOR TO THE INSTALLATION OF NEW CABLE THE EXISTING DUCT/CONDUIT SHALL BE CLEANED... a. A CONE SHAPE STEEL WIRE BRUSH SHALL BE PULLED THROUGH THE DUCT/CONDUIT... b. VARIOUS SIZED MANDRELS ATTACHED TO A PULL CHAIN... c. THE FINAL CLEANING SHALL CONSIST OF A CLEAN RAG... B. THE CONTRACTOR SHALL REMOVE ALL SPARE AND/OR ABANDONED CABLES... C. THE CONTRACTOR SHALL PROVIDE CABLE PULLING CALCULATIONS... D. CONNECTORS a. FOR CONNECTIONS MADE INSIDE A HANDHOLE/MANHOLE... b. FOR CONNECTIONS MADE INSIDE A BASE CAN... E. CONTRACTOR SHALL BE REQUIRED TO WORK INSIDE HANDHOLES OR MANHOLES... F. CONTRACTOR SHALL ACQUIRE CABLE THAT IS STAMPED WITH CABLE FOOTAGE...

- 10. THE CONTRACTOR SHALL INSTALL NEW CONDUIT BELL ENDS ON CONDUIT WHICH DOES NOT CURRENTLY HAVE A BELL ENDS FOR ALL DUCTBANK OR CONDUIT ENTERING A HANDHOLE... 11. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ALL DAMAGED CONDUIT BELL HOUSINGS... 12. CONTRACTOR SHALL PROVIDE 4' OF SLACK ABOVE FINISHED GRADE AT EACH BASE CAN... 13. CONTRACTOR SHALL PROVIDE SLACK SUCH THAT THE WIRE CAN REST IN DRAPING LOOPS... 14. CONTRACTOR SHALL REPAIR AND/OR REPLACE DAMAGED CONDUITS... 15. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PERFORM THE FOLLOWING ACTIVITIES BY THE END OF EACH WORK SHIFT:

- A. VERIFY CONTINUITY OF EACH CIRCUIT PULLED DURING THAT SHIFT'S WORK... B. MEGGER TESTING OF ALL NEW CABLE PULLED DURING THAT SHIFT... C. VERIFY THAT ALL LIGHT FIXTURES AND COVER PLATES ARE PROPERLY BOLTED DOWN AND MANHOLE/HANDHOLE COVERS ARE PROPERLY REPLACED.

- D. VERIFY THAT ALL LIGHTS ON AFFECTED CIRCUITS ARE ENERGIZED AND FUNCTIONING PROPERLY... E. THE CONTRACTOR SHALL ALLOW FOR UP TO 2 HOURS AFTER THE END OF EACH SHIFT TO PERFORM THESE VERIFICATION ACTIVITIES... F. EACH WORK SHIFT, THE CONTRACTOR SHALL PROVIDE TO THE ENGINEER THE NAME OF A DESIGNATED QUALITY CONTROL (QC) REPRESENTATIVE...

16. INSULATION RESISTANCE:

- A. INSULATION RESISTANCE: FOR NEW CABLE CONTRACTOR SHALL ENSURE A RESISTANCE OF 300 MEGA-OHMS IS PROVIDED AS MEASURED WHENEVER NEW CABLE IS SPLICED INTO EXISTING AND THAT THIS INSULATION RESISTANCE IS MET FOR THE ENTIRE NEW CABLE PATH... B. THE CONTRACTOR SHALL PERFORM INSULATION RESISTANCE TESTS OF INSTALLED CABLE AFTER EACH WORK SHIFT... C. CONTRACTOR SHALL PERFORM THESE INSULATION TESTS BEFORE FINAL ACCEPTANCE TESTING... D. CONTRACTOR SHALL SUBMIT A LIST OF PERSONNEL WHO WILL BE RESPONSIBLE FOR PERFORMING SPLICES... E. COST FOR CABLE INSTALLATION SHALL BE BID SEPARATELY... F. COST FOR OPENING/CLOSING EXISTING MANHOLES OR HANDHOLES...

17. CABLE TAGS

- A. THE CONTRACTOR SHALL REMOVE EXISTING AND INSTALL NEW CIRCUIT CABLE TAGS AS FOLLOWS: a. BASE CAN - ONE ON ENTERING CABLE AND ONE ON EXITING CABLE... b. HANDHOLES - ONE ON ENTERING CABLE AND ONE ON EXITING CABLE... c. MANHOLES - ONE ON ENTERING CABLE AND ONE ON EXITING CABLE... B. THE CONTRACTOR SHALL PROCURE AND HAVE ON-HAND PRIOR TO WORK START 150% OF THE ESTIMATED NUMBER OF CABLE TAGS... C. FOR 3M SPLICE KITS IN MANHOLES AND HANDHOLES...

- 18. FOR ANY SECTION OF LIGHTS WHICH REQUIRES BOTH THE SUPPLY AND RETURN CABLE TO RUN THROUGH FIXTURES (DOUBLE-PULLED), THE SUPPLY CABLE SHALL BE BLACK IN COLOR AND THE RETURN CABLE LEAVING THE LAST LIGHT SHALL BE RED OR YELLOW BACK TO THE NEAREST HANDHOLE OR MANHOLE...

- 19. CONFIRMATION OF CABLE ROUTING AND QUANTITIES: CONTRACTOR SHALL VERIFY IN THE FIELD CABLE ROUTING AS SHOWN ON THE PLANS AND SHALL MAINTAIN DAILY AS-BUILTS... 20. LIGHT FIXTURES:

- A. CONTRACTOR SHALL FURNISH AND INSTALL LIGHTS AS SHOWN ON PLANS... B. CONTRACTOR SHALL INSTALL ALL NEW SAE J429 GRADE 5 CARBON STEEL, ANTI-CORROSION... C. CONTRACTOR SHALL INSTALL ALL NEW SAE J429 GRADE 5 CARBON STEEL, ANTI-CORROSION... D. THE CONTRACTOR SHALL INSTALL THE FIXTURE MOUNTING BOLTS BY HAND... E. CONTRACTOR SHALL ASSUME THAT 10% OF EXISTING BOLTS WILL BREAK... F. CONTRACTOR SHALL PROVIDE ALL NEW L-823 CONNECTORS... G. ALL CONTRACTOR PERSONNEL WHO WILL BE RESPONSIBLE FOR REMOVING AND REINSTALLING LIGHT FIXTURES... H. CONTRACTOR SHALL COMPLY WITH THE RECOMMENDATIONS OF FAA ENGINEERING BRIEF NO. 83A...

- 21. FOR ALL BASE CANS AND HANDHOLES, PUMP OUT WATER AND CLEAN DEBRIS UTILIZING A VACUUM TRUCK AND POWER WASH THE WALLS... 22. FINAL ACCEPTANCE:

- A. ALL WORK ASSOCIATED WITH FINAL ACCEPTANCE TESTING AND INSPECTION SHALL BE COMPLETED AS DESCRIBED IN THE CONSTRUCTION SPECIFICATIONS... B. CONTRACTOR SHALL SEQUENCE THE WORK SO THAT EACH BASE CAN IS OPENED AND INSPECTED... C. CONTRACTOR SHALL SUBMIT A TESTING PLAN FOR TESTING THE INSULATION RESISTANCE... D. SUBSTANTIAL COMPLETION: SUBSTANTIAL COMPLETION SHALL BE AWARDED BY OWNER...

ABBREVIATIONS:

- A. AMP - AMPERE
AFF/FG - ABOVE FINISHED FLOOR/GRADE
AFL - AIRFIELD LIGHTING
ALCS - AIRFIELD LIGHTING CONTROL SYSTEM
ALS - APPROACH LIGHTING SYSTEM
ATCT - AIR TRAFFIC CONTROL TOWER
AWG - AMERICAN WIRE GAUGE
BCU - BARE COPPER
BLDG - BUILDING
BOB - BREAK OUT BOX
C/B - CIRCUIT BREAKER
CCR - CONSTANT CURRENT REGULATOR
CKT - CIRCUIT
CND - CONDUIT
COMM - COMMUNICATIONS
CTL - CENTERLINE
CU - COPPER
DB - DUCT BANK
DEB - DIRECT BURIED
DET - DEFINED EDGE OF TAXIWAY
DIA - DIAMETER
DWG(S) - DRAWING(S)
(E) - EXISTING
EA - EACH
EC - EMPTY CONDUIT
ELS - EDGE LIGHTING SYSTEM
EMH - ELECTRIC MANHOLE
EHW - ELECTRIC HANDHOLE
ELE - ELECTRICAL
EMT - ELECTRICAL METALLIC TUBING
ERGL - ELEVATED RUNWAY GUARD LIGHT
ESBL - ELEVATED STOP BAR LIGHT
EXIST - EXISTING
EXT - EXTENSION
F - FUSED
FCU - FIELD CONTROL UNIT
FF - FINISHED FLOOR
FO - FIBER OPTIC (CABLE)
GFCI - GROUND FAULT CIRCUIT INTERRUPTER
GND - GROUND
HES - HIGH EARLY STRENGTH CONCRETE
HH - HANDHOLE
HPS - HIGH PRESSURE SODIUM
IRGL - INPAVEMENT RUNWAY GUARD LIGHT
ISBL - INPAVEMENT RUNWAY STOP BAR
JB - JUNCTION BOX
KVA - KILOVOLTAMPERE
KW - KILOWATT
LCU - LOCAL CONTROL UNIT (SIEMENS BRITE)
LFMC - LIQUID-TIGHT FLEXIBLE METAL CONDUIT
LV - LOW VISIBILITY
MCB - MAIN CIRCUIT BREAKER
MCU - MASTER CONTROL UNIT
MFG - MANUFACTURER
MH - MANHOLE
MTD - MOUNTED
(N) - NEW
NF - NONFUSIBLE
NTS - NOT TO SCALE
NIC - NOT IN CONTRACT
PCC - PORTLAND CEMENT CONCRETE
PH - PHASE
PVC - POLYVINYL CHLORIDE
RDM - RUNWAY DISTANCE MARKER
RECP - RECEPTACLE
RGS - RIGID GALVANIZED STEEL
RLIM - RUNWAY LIGHT INTENSITY MONITOR
RMVD - REMOVED
ROFA - RUNWAY OBJECT FREE AREA
ROFZ - RUNWAY OBSTACLE FREE ZONE
RPU - REMOTE PROCESSING UNIT
RSA - RUNWAY SAFETY AREA
RW, RWY - RUNWAY
SCHED - SCHEDULE
SGRS - SWITCHGEAR REGULATOR SYSTEM
SPEC - SPECIFICATION
SS - STAINLESS STEEL
TW, TWY - TAXIWAY
TBD - TO BE DETERMINED
TOFA - TAXIWAY OBJECT FREE AREA
TSA - TAXIWAY SAFETY AREA
TVSS - TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP - TYPICAL
U/L - UNLESS OTHERWISE NOTED
UPS - UNINTERRUPTIBLE POWER SUPPLY
V - VOLT
W/ - WITH
W - WATT
WP - WEATHERPROOF
XFMR - TRANSFORMER
1-1/C - ONE SINGLE CONDUCTOR
2-1/C - TWO SINGLE CONDUCTOR



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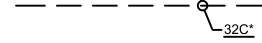

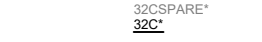

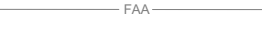
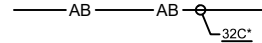
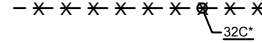
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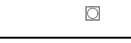
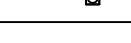
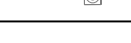
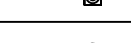
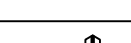
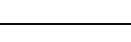
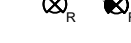
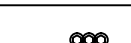

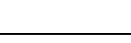
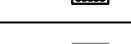
GENERAL NOTES & ABBREVIATIONS

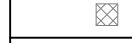



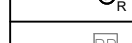
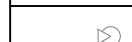





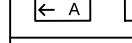
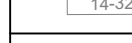
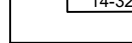
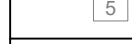
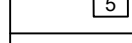


DEMO ELECTRICAL LEGEND (FOR SHEETS E1.01 THRU E1.08)

GENERAL NOTES

1. SEE SHEETS E0.01 FOR ELECTRICAL NOTES AND ABBREVIATIONS.

CONDUITS/CABLES	DESCRIPTION
	EXISTING AIRFIELD LIGHTING CONDUIT & CABLE TO REMAIN. "32C" DENOTES CIRCUIT ID.
	EXISTING AIRFIELD LIGHTING CABLES TO BE REMOVED, CONDUIT TO REMAIN. "32C" DENOTES CIRCUIT ID. UNDERSCORE OF THE CIRCUIT ID TAG DENOTES TO REMOVE EXISTING AFL CABLE. "" DENOTES 2-CONDUCTORS.
	EXISTING AIRFIELD LIGHTING DUCTBANK AND CABLES TO REMAIN. "" DENOTES 2-CONDUCTORS
	EXISTING AIRFIELD LIGHTING CABLE TO BE REMOVED FROM EXISTING DUCTBANK. AIRFIELD LIGHTING DUCTBANK TO REMAIN. "" DENOTES 2-CONDUCTORS
	EXISTING MALSR CONDUIT & CABLE TO REMAIN. "MALSR" DENOTES CIRCUIT ID.
	EXISTING FAA CONDUIT & CABLE TO REMAIN.
	EXISTING CABLE TO BE REMOVED AND CONDUIT TO BE ABANDONED. "32C" DENOTES CIRCUIT ID AND CABLE TO BE REMOVED. "" DENOTES 2-CONDUCTORS.
	EXISTING CONDUIT AND AIRFIELD LIGHTING CABLES TO BE DEMOLISHED. "32C" DENOTES CIRCUIT ID AND CABLE TO BE REMOVED. "" DENOTES 2-CONDUCTORS

LIGHTS	DESCRIPTION
	EXISTING TWY EDGE LIGHT TO REMAIN.
	REMOVE EXISTING TWY EDGE LIGHT, ISOLATION TRANSFORMER AND CABLE. BASE CAN TO REMAIN.
	EXISTING RWY EDGE LIGHT TO REMAIN.
	REMOVE EXISTING ELEVATED RWY EDGE LIGHT, ISOLATION TRANSFORMER AND CABLE. BASE CAN TO REMAIN.
	REMOVE EXISTING INPAVEMENT RWY EDGE LIGHT, ISOLATION TRANSFORMER AND CABLE. BASE CAN TO REMAIN.
	REMOVE EXISTING THRESHOLD/END RWY LIGHT, ISOLATION TRANSFORMER AND CABLE. BASE CAN TO REMAIN
	REMOVE EXISTING RWY CENTERLINE LIGHT, ISOLATION TRANSFORMER, CABLE, FLANGE RING, SPACERS AND BASE CAN. SHADED SIDE OF SYMBOL REFLECTS THE "RED" COLOR, OTHERWISE WHITE. BACKFILL WITH CIVIL APPROVED MATERIAL.
	REMOVE EXISTING TOUCHDOWN ZONE LIGHT BARRETTE, ISOLATION TRANSFORMER, CABLE, FLANGE RING, SPACERS, AND BASE CAN.
	REMOVE EXISTING MALSR LIGHT AND STORE FOR REINSTALLATION. PROTECT EXISTING TRANSFORMER, CABLES AND BASE CAN IN PLACE.
	REMOVE EXISTING INPAVEMENT MALSR LIGHT BAR AND STORE FOR REINSTALLATION. PROTECT EXISTING CABLES AND TRANSFORMERS DURING CIVIL WORK.
	EXISTING MALSR LIGHT BAR TO REMAIN.

SIGN, HANDHOLE & SENSOR	DESCRIPTION
	EXISTING POWER OR COMMUNICATION HANDHOLE/MAN HOLE TO REMAIN.
	EXISTING POWER/COMMUNICATION HANDHOLE/MAN HOLE TO BE ACCESSED AND CLEANED FOR REMOVAL OF CABLE. HAND HOLE TO REMAIN. BOLD DENOTES ACCESS FOR NEW CIRCUITING.
	EXISTING PAPI TO REMAIN.
	EXISTING JUNCTION BASE CAN TO REMAIN.
	EXISTING JUNCTION BASE CAN TO BE REMOVED. BACKFILL WITH CLSM OR CIVIL APPROVED MATERIAL.
	EXISTING FAA HANDHOLE TO REMAIN.
	EXISTING REIL TO REMAIN
	EXISTING AIRFIELD SIGN TO REMAIN.
	EXISTING AIRFIELD SIGN AND FOUNDATION TO BE REMOVED.
	EXISTING LIGHTED TAXIWAY AND RUNWAY LOCATION SIGN PANEL
	REMOVE LIGHTED TAXIWAY AND RUNWAY LOCATION SIGN PANEL
	EXISTING LIGHTED DIRECTION, DESTINATION, & BOUNDARY SIGN PANEL
	REMOVE LIGHTED DIRECTION, DESTINATION, & BOUNDARY SIGN PANEL
	EXISTING LIGHTED MANDATORY SIGN PANEL
	REMOVE LIGHTED MANDATORY SIGN PANEL
	EXISTING LIGHTED RUNWAY DISTANCE REMAINING SIGN PANEL.
	REMOVE LIGHTED RUNWAY DISTANCE REMAINING SIGN PANEL.
	EXISTING WINDCONE TO REMAIN.

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AIP No. 3-06-0010-0XX-2022

No.	Revision	Date	By

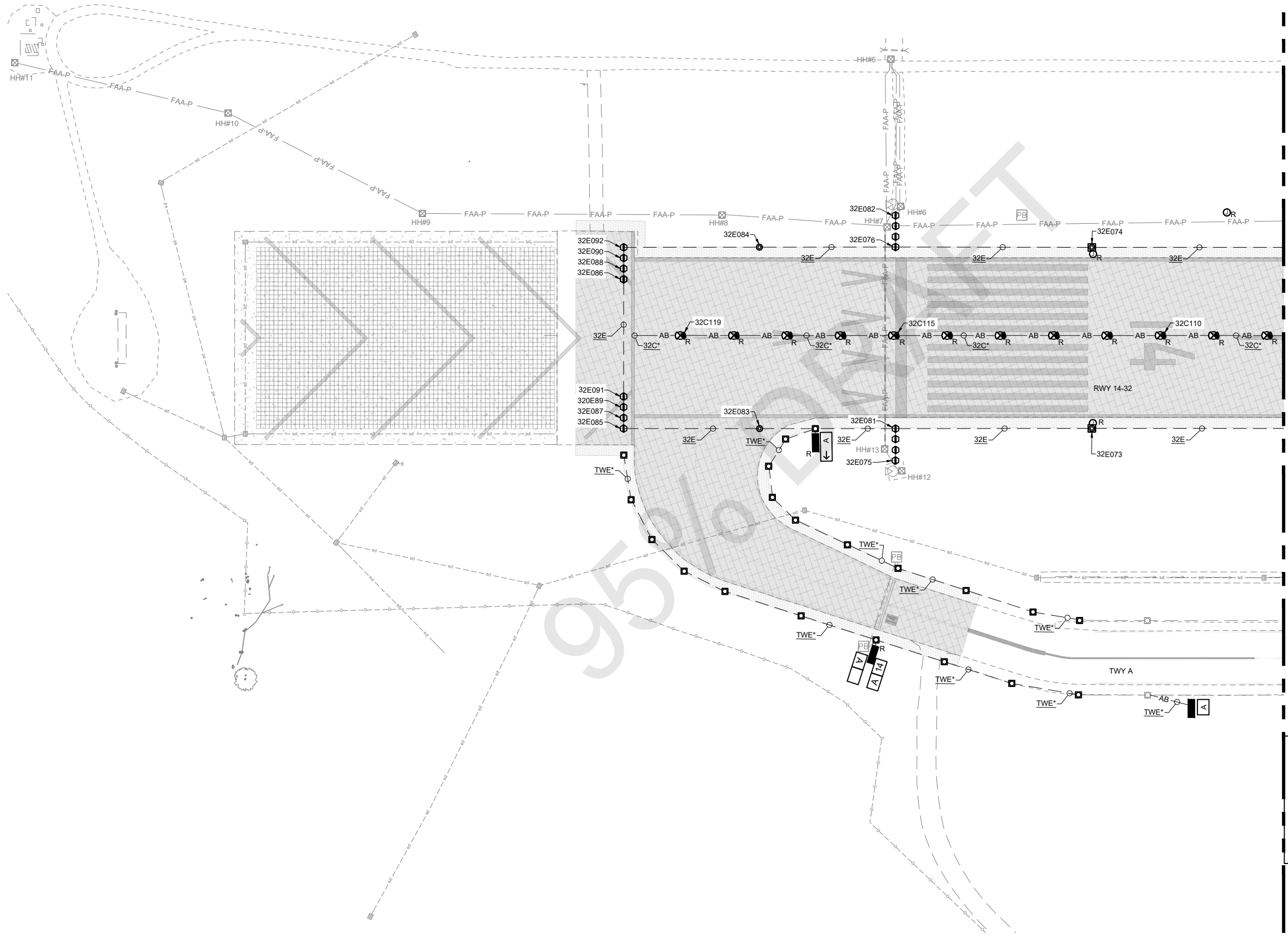
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File Name: FILE NAME

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**DEMO ELECTRICAL LEGEND**

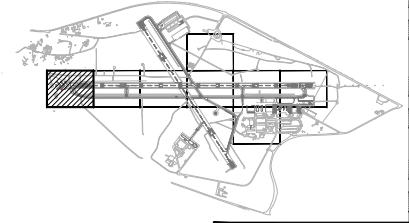
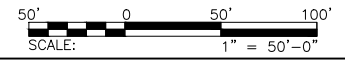
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**PRELIMINARY**  
**NOT FOR CONSTRUCTION**



**GENERAL NOTES**  
 1. SEE SHEETS E0.01 & E1.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

MATCHLINE, SEE DWG NO E1.02



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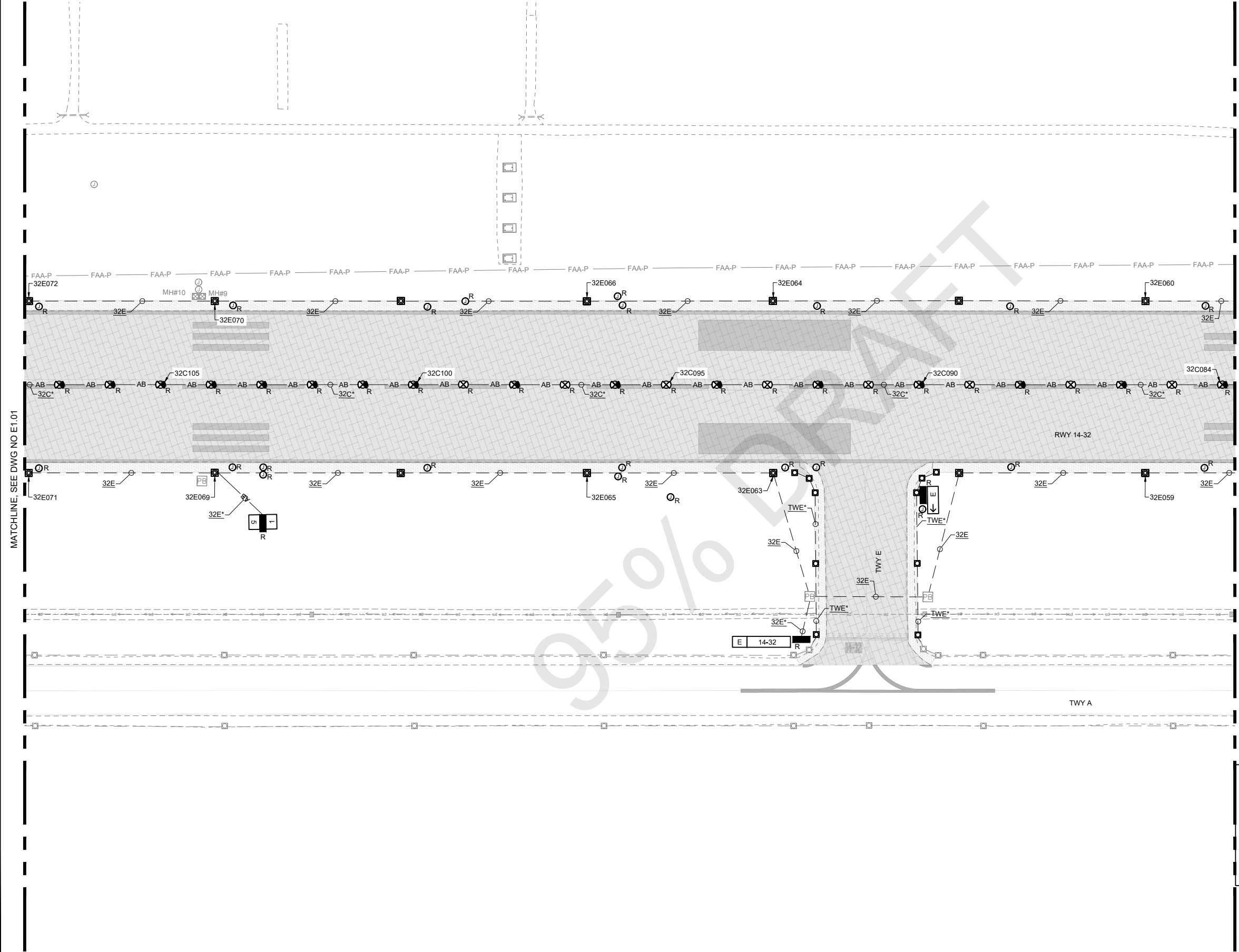
No.	Revision	Date	By

ACI No. 216794  
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**ELECTRICAL DEMO PLANS**  
 (1 OF 8)

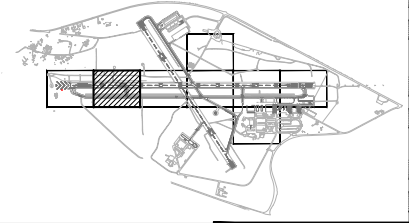
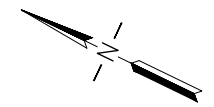
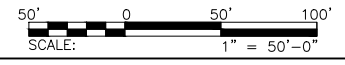
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**GENERAL NOTES**  
 1. SEE SHEETS E0.01 & E1.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

MATCHLINE, SEE DWG NO E1.01

MATCHLINE, SEE DWG NO E1.03



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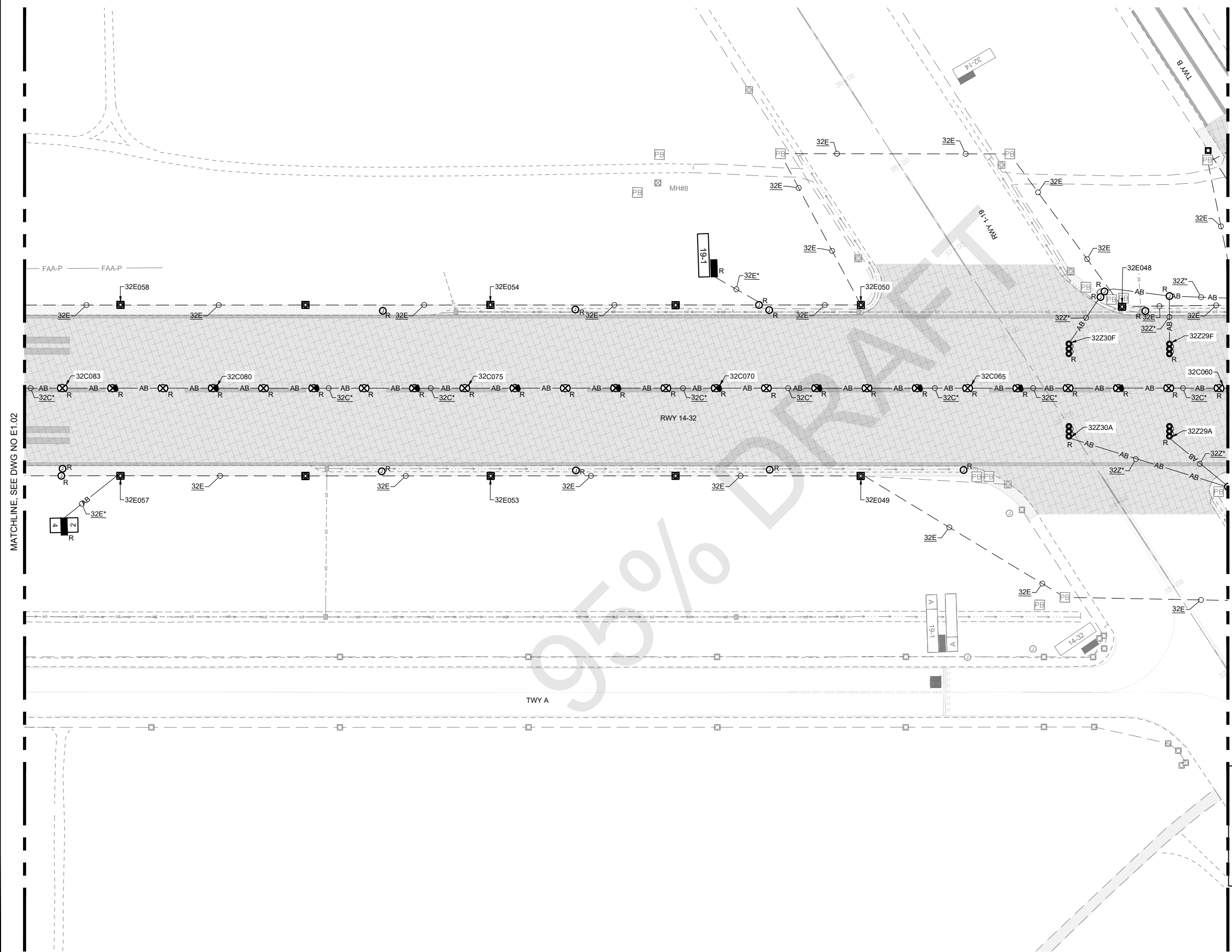
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**ELECTRICAL**  
**DEMO PLANS**  
**(2 OF 8)**

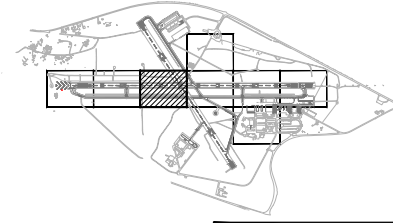
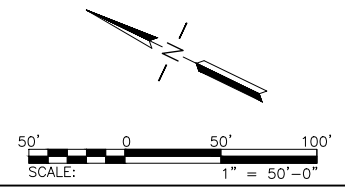
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**GENERAL NOTES**  
 1. SEE SHEETS E0.01 & E1.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

MATCHLINE, SEE DWG NO E1.02

MATCHLINE, SEE DWG NO E1.04



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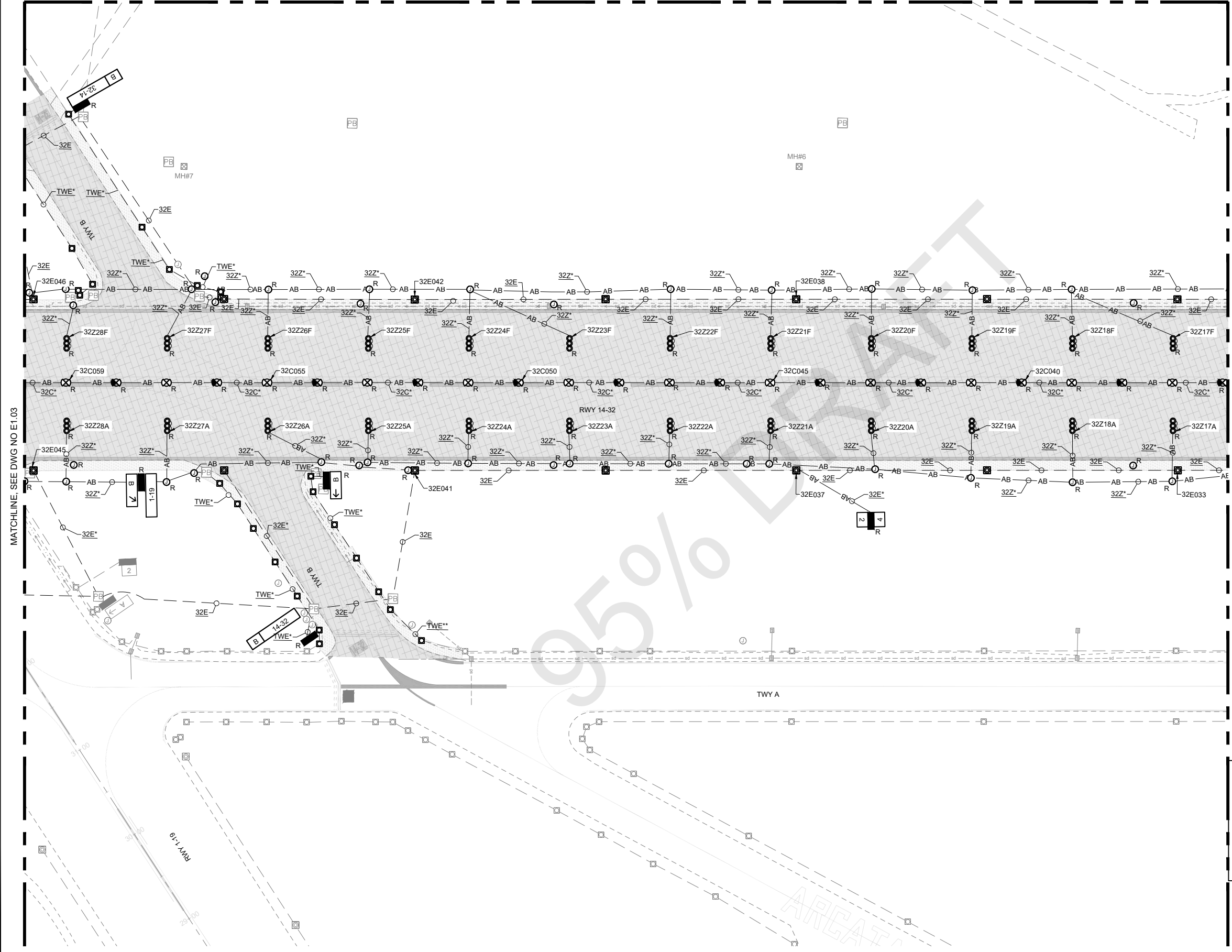
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**(3 OF 8)**



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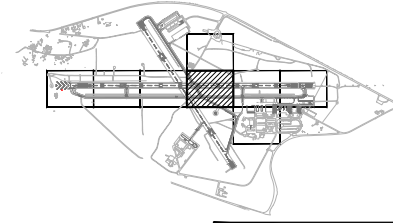
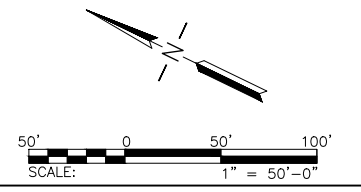
GENERAL NOTES

- 1. SEE SHEETS E0.01 & E1.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



MATCHLINE, SEE DWG NO E1.05

MATCHLINE, SEE DWG NO E1.03



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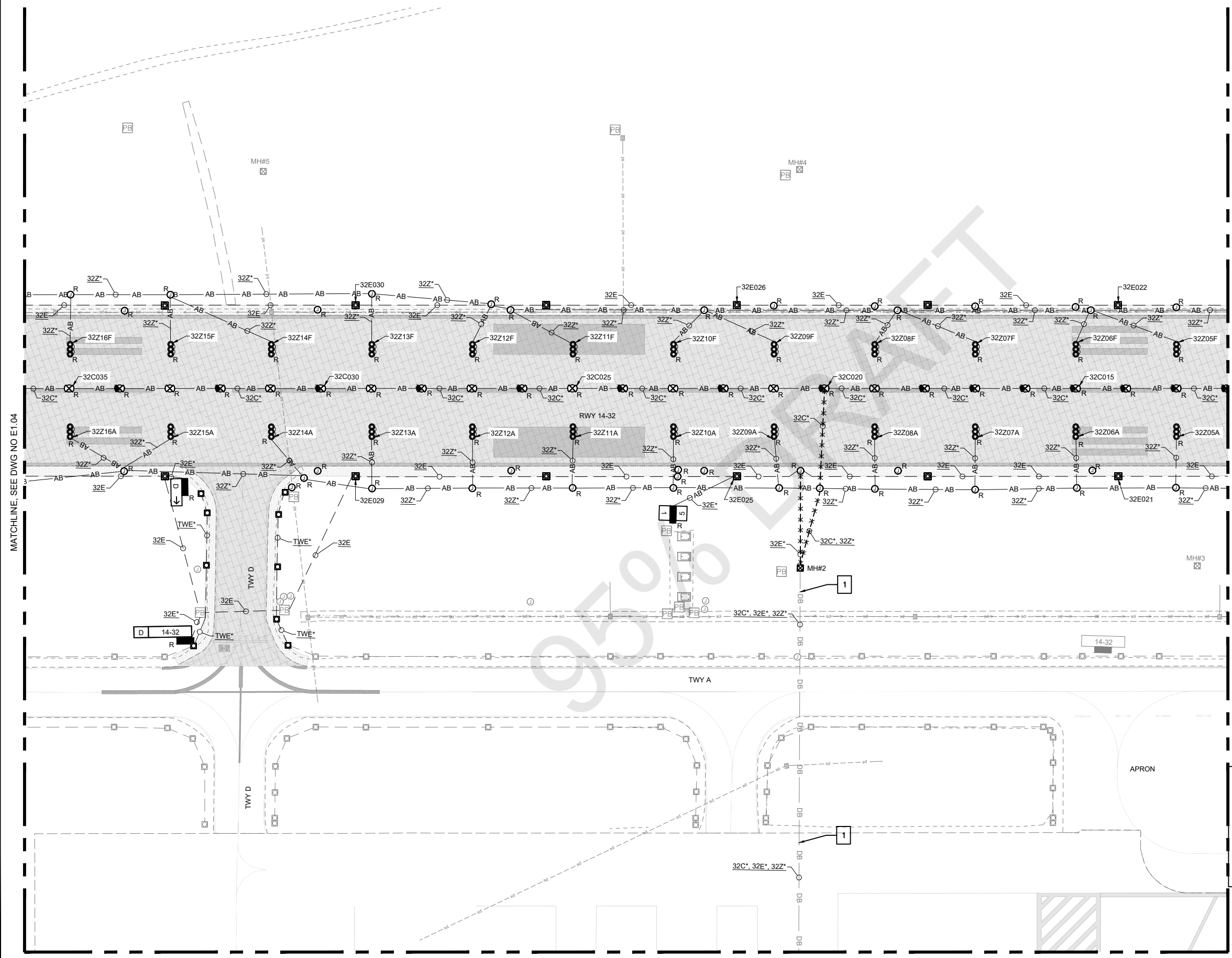
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**ELECTRICAL  
DEMO PLANS  
(4 OF 8)**

Sheet: **E1.04**

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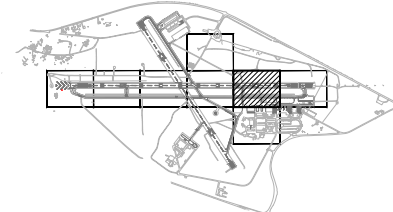
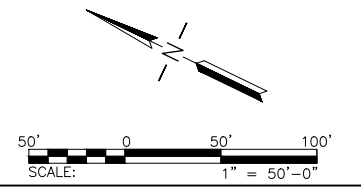


MATCHLINE, SEE DWG NO E1.04

MATCHLINE, SEE DWG NO E1.06

MATCHLINE, SEE DWG NO E1.07

- GENERAL NOTES**
- SEE SHEETS E0.01 & E1.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.
- KEY NOTES**
- THERE MAY BE ADDITIONAL ENERGIZED CIRCUITS IN DUCTBANK THAT ARE NOT SHOWN. PROTECT EXISTING CIRCUITS NOT SHOWN IN PLACE.



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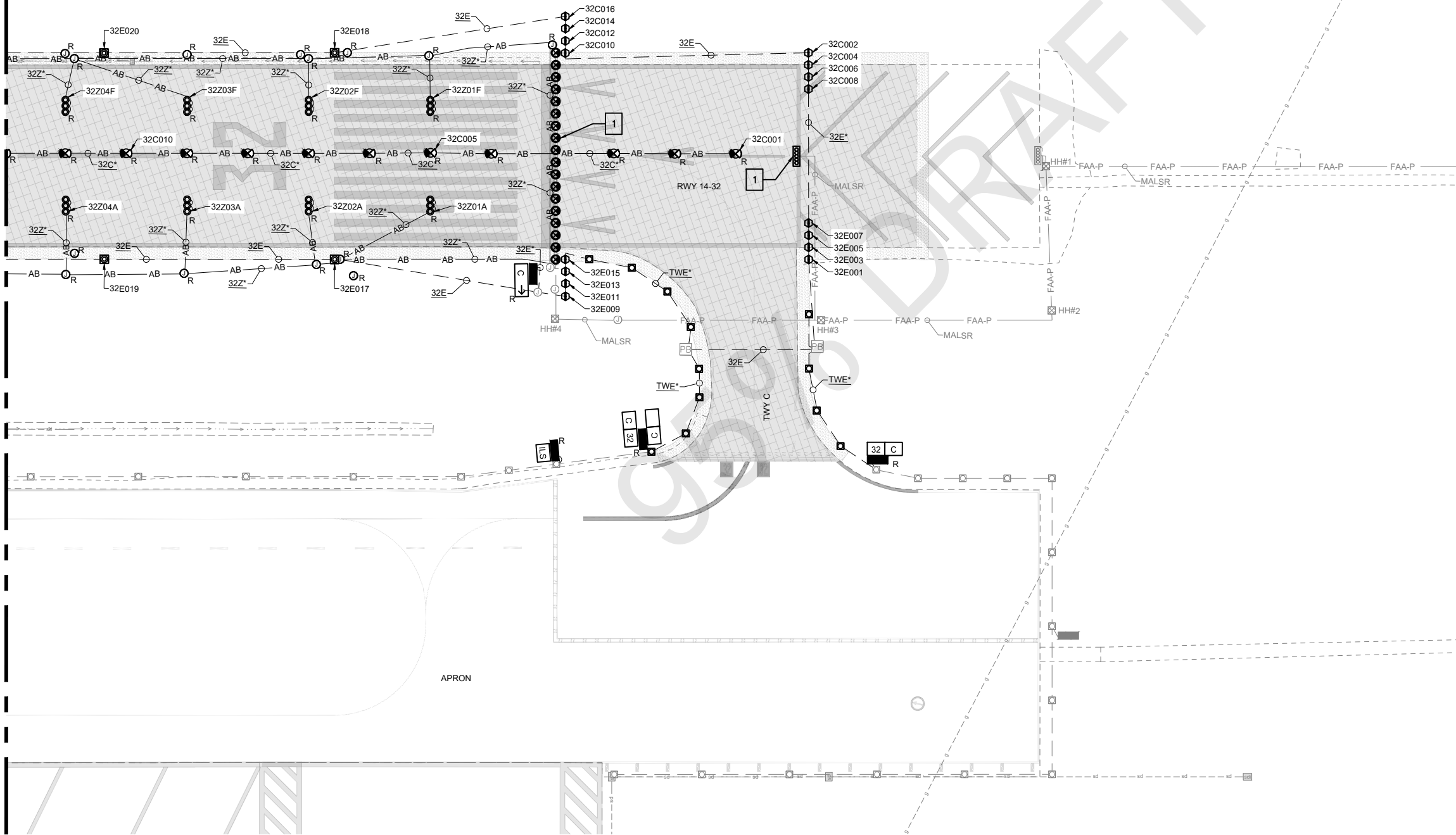
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**ELECTRICAL  
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(5 OF 8)**

Sheet: **E1.05**

MATCHLINE, SEE DWG NO E1.05

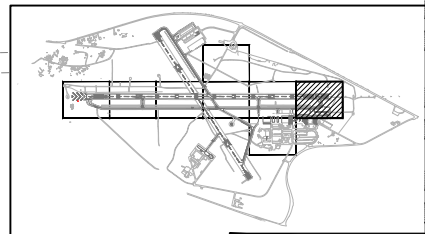
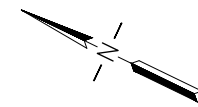


GENERAL NOTES

- 1. SEE SHEETS E0.01 & E1.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

KEY NOTES

- 1 REMOVE MALSR LIGHTS AND PROTECT EXISTING MALSR BASE CANS DURING CIVIL MILLING OPERATIONS.



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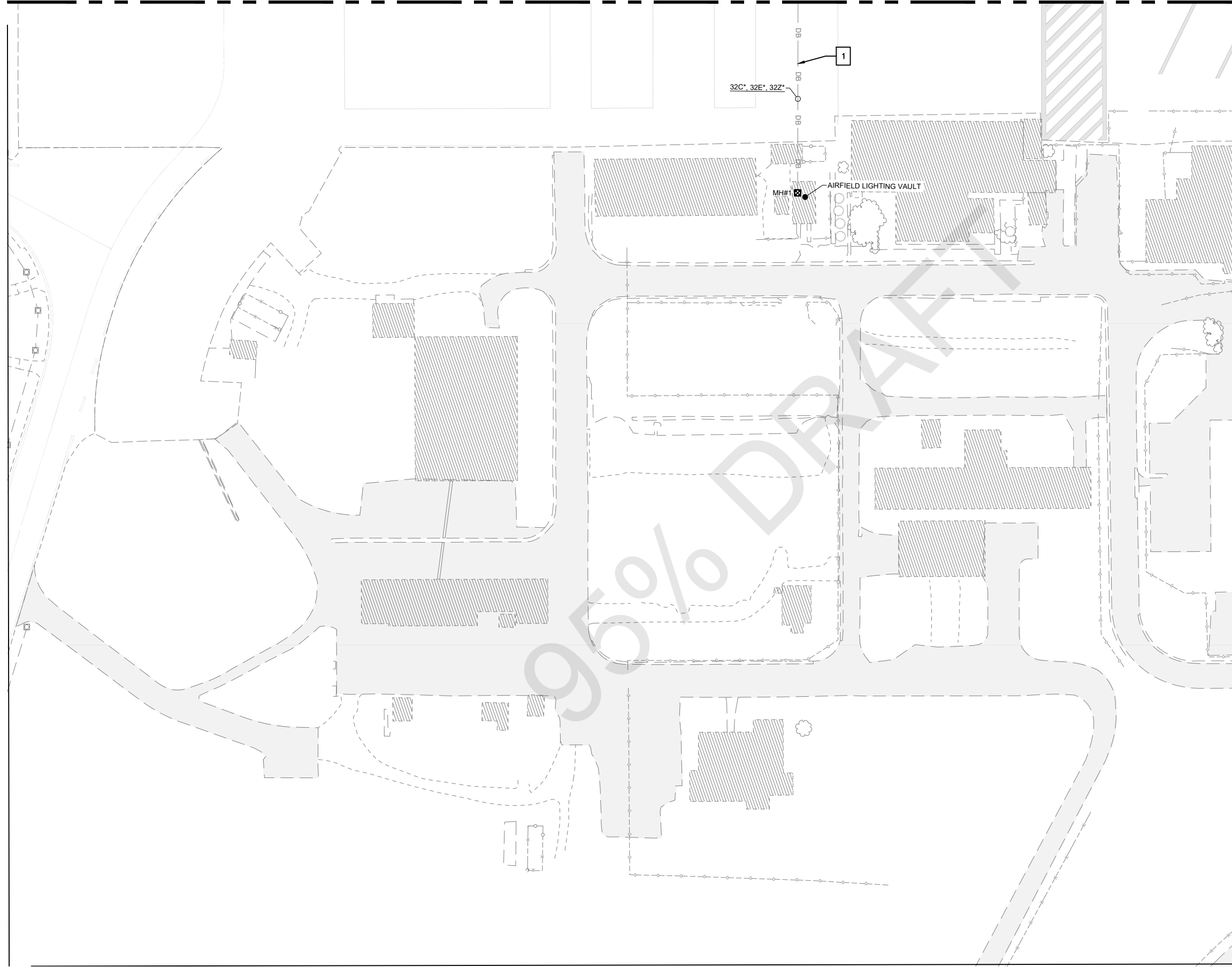
No.	Revision	Date	By

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**ELECTRICAL DEMO PLANS (6 OF 8)**

MATCHLINE, SEE DWG NO E1.05

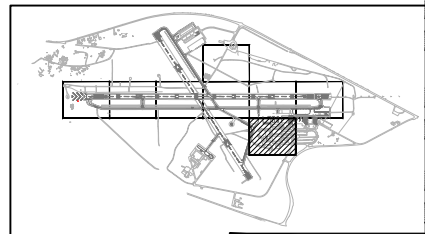


**GENERAL NOTES**

- 1. SEE SHEETS E0.01 & E1.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**KEY NOTES**

- 1. THERE MAY BE ADDITIONAL ENERGIZED CIRCUITS IN DUCTBANK THAT ARE NOT SHOWN. PROTECT EXISTING CIRCUITS NOT SHOWN IN PLACE.



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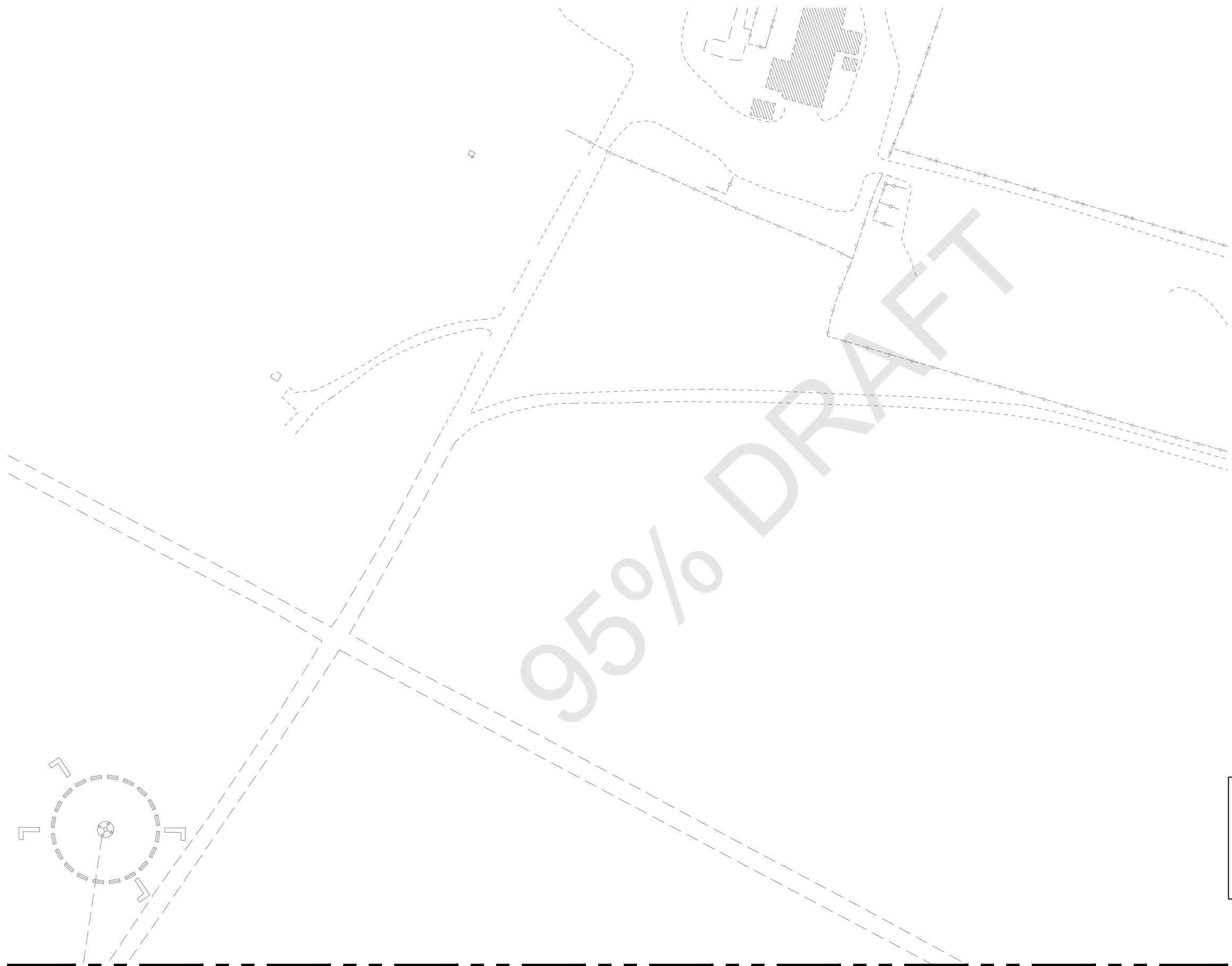
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**ELECTRICAL DEMO PLANS**  
 (7 OF 8)

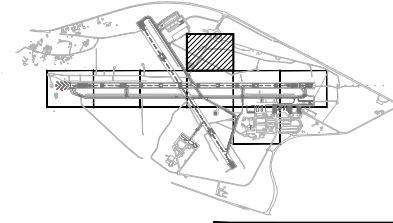
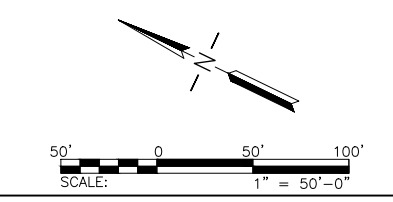
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Sheet: **E1.07**



**GENERAL NOTES**  
 1. SEE SHEETS E0.01 & E1.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

NO ELECTRICAL WORK ON THIS SHEET. SHEET SHOWN FOR REFERENCE ONLY.



MATCHLINE, SEE DWG NO E1.04

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**ELECTRICAL DEMO PLANS**  
**(8 OF 8)**

Sheet: **E1.08**

GENERAL NOTES

1. SEE SHEETS E0.01 FOR ELECTRICAL NOTES AND ABBREVIATIONS.

NEW ELECTRICAL LEGEND (FOR SHEETS E2.01 THRU E2.08 AND E3.01 THRU E3.08)

CONDUITS/CABLES	DESCRIPTION
	EXISTING AIRFIELD LIGHTING CONDUIT & CABLE TO REMAIN. "32C" DENOTES CIRCUIT ID.
	NEW AIRFIELD LIGHTING CABLES TO BE INSTALLED IN EXISTING CONDUIT. "32C" DENOTES CIRCUIT ID WITH 1-1/C #8 5KV FAA CABLE WITH 1#6 GREEN GROUND WIRE. CIRCUIT ID'S WITH "" DENOTES 2-1/C #8 5KV FAA L-824 CABLE WITH 1#6 GREEN GROUND WIRE.
	NEW 2" PVC SCHEDULE 40 CONDUIT & AIRFIELD LIGHTING CABLE TO BE INSTALLED IN NEW PAVEMENT OR NON-PAVED EARTH. "32C", "32Z" DENOTES CIRCUIT ID. WITH 1-1/C #8, 5KV, FAA L-824 CABLE. "" DENOTES 2-1/C #8 5KV FAA L-824 CABLES WITH 1#6 GREEN GROUND WIRE.
	EXISTING AIRFIELD LIGHTING DUCTBANK AND CABLES TO REMAIN.
	NEW AIRFIELD LIGHTING CABLE TO BE INSTALLED IN EXISTING DUCTBANK. ALL NEW CABLE INSTALLED IN AIRFIELD LIGHTING DUCTBANKS SHALL BE #8, 5KV, FAA L-824 CABLE UNLESS OTHERWISE NOTED. EACH CONDUIT WITH NEW AIRFIELD LIGHTING CABLE SHALL INCLUDE A 1#6 GREEN GROUND WIRE. CIRCUIT ID'S WITH "" DENOTES 2-1/C #8 5KV FAA L-824 CABLE WITH 1#6 GREEN GROUND WIRE.
	EXISTING MALSRS CONDUIT & CABLE TO REMAIN. "MALSRS" DENOTES CIRCUIT ID.
	EXISTING FAA CONDUIT & CABLE TO REMAIN.
	ABANDONED CONDUIT

LIGHTS	DESCRIPTION
	EXISTING TAXIWAY EDGE LIGHT TO REMAIN.
	INSTALL NEW L-861(L) ELEVATED T/W EDGE LIGHT WITH NEW TRANSFORMER ON EXISTING BASE CAN.
	EXISTING RUNWAY EDGE LIGHT TO REMAIN.
	NEW L-862E(L) R/W EDGE ELEVATED LIGHT WITH NEW TRANSFORMER, SPACER PACKAGE, BASE PLATE, POLE, & FRANGIBLE COUPLING, & ASSOCIATED APPURTENANCES ON EXISTING BASE CAN. LETTER ADJACENT, DENOTES LENS COLOR AS FOLLOWS: Y = YELLOW W = WHITE R = RED
	NEW L-862E(L) R/W THRESHOLD/END LIGHT WITH NEW TRANSFORMER, BASE PLATE, POLE, & FRANGIBLE COUPLING, & ASSOCIATED APPURTENANCES. LETTER ADJACENT, DENOTES LENS COLOR AS FOLLOWS: R = RED W = WHITE Y = YELLOW G = GREEN B = BLANK
	NEW L-850A(L) WITH NEW TRANSFORMER AND NEW EXTENSION ON NEW L-868B BASE CAN. REFER TO DETAILS ON SHEET E5.02 FOR NEW BASE CAN INSTALLATION. LENS COLOR IS DENOTED WITH LETTER ADJACENT TO SYMBOL AS FOLLOWS: B = BLANK W = WHITE R = RED
	NEW L-850B(L) R/W TOUCHDOWN ZONE LIGHTS WITH NEW TRANSFORMER, NEW EXTENSION, AND NEW BASE CAN. "N" ADJACENT TO THE SYMBOL DENOTES THREE NEW L-868B BASE CANS INSTALLED IN THE BARRETTE. LIGHT FIXTURE SHALL BE FURNISHED WITH RIGHT AND LEFT TOE-IN PER MFG. RECOMMENDATIONS.
	REINSTALL EXISTING MALSRS LIGHT AND EXISTING TRANSFORMER WITH NEW EXTENSION ON EXISTING BASE CAN.
	REINSTALL EXISTING MALSRS LIGHTS AND EXISTING TRANSFORMERS WITH NEW EXTENSIONS ON EXISTING BASE CANS.
	EXISTING MALSRS LIGHT BAR TO REMAIN.
HANDHOLE & SENSOR	DESCRIPTION
	EXISTING POWER OR COMMUNICATION HANDHOLE TO REMAIN.
	EXISTING POWER/COMMUNICATION HANDHOLE TO BE ACCESSED FOR REMOVAL OF CABLE, HAND HOLE TO REMAIN.
	EXISTING PAPI TO REMAIN.
	EXISTING JUNCTION BASE CAN TO REMAIN.
	EXISTING FAA HANDHOLE TO REMAIN.
	EXISTING REIL TO REMAIN
	EXISTING WINDCONE TO REMAIN.

SIGN	DESCRIPTION
	EXISTING AIRFIELD SIGN TO REMAIN.
	NEW AIRFIELD SIGN TO BE INSTALLED ON NEW FOUNDATION.
	EXISTING LIGHTED TAXIWAY AND RUNWAY LOCATION SIGN PANEL.
	NEW LIGHTED TAXIWAY AND RUNWAY LOCATION SIGN PANEL (YELLOW LEGEND AND BORDER ON BLACK BACKGROUND).
	EXISTING LIGHTED DIRECTION, DESTINATION & BOUNDARY SIGN PANEL.
	NEW LIGHTED DIRECTION, DESTINATION & BOUNDARY SIGN PANEL (BLACK LEGEND ON YELLOW BACKGROUND)
	EXISTING LIGHTED RUNWAY DISTANCE REMAINING SIGN PANEL.
	NEW LIGHTED RUNWAY DISTANCE REMAINING SIGN PANEL (WHITE LEGEND ON BLACK BACKGROUND).
	EXISTING LIGHTED MANDATORY SIGN PANEL.
	NEW LIGHTED MANDATORY SIGN PANEL (BLACK OUTLINE ON OUTSIDE EDGE OF WHITE LEGEND ON RED BACKGROUND).
	EXISTING BLANK SIGN PANEL.
	NEW BLANK SIGN PANEL.

A1-01, 2M    SIGN ID, # OF MODULES  
 N:    NORTHING  
 E:    EASTING

- ALL NON-RDR SIGNS SHALL BE SIZE 1, CLASS 2, MODE 2, AND STYLE 2.
- ALL RDR SIGNS SHALL BE SIZE 4, CLASS 2, MODE 2, AND STYLE 2.
- SIGN LENGTHS:
 

NO. OF MODULES	1	2	3	4
APPROXIMATE SIGN LENGTH (FEET)	8'	12'	15'	18'
- SIGN LENGTHS MAY VARY DEPENDING ON MANUFACTURER. LENGTH SHOWN IS MEANT FOR BIDDING PURPOSE ONLY.
- CONFIRM LENGTH WITH MANUFACTURER PRIOR TO BID AND ADJUST FOUNDATION ACCORDINGLY. CONTRACTOR SHALL BE PAID FOR THE LENGTH OF SIGN (NO. OF MODULES) AS SHOWN ON THIS SCHEDULE. IF MANUFACTURER REQUIRES A LONGER SIGN THAN SHOWN, ANY ADDITIONAL COST OF SIGN & FOUNDATION SHALL BE THE RESPONSIBILITY AND COST OF THE CONTRACTOR WITH NO SEPARATE PAYMENT.
- FOR NEW SIGNS BLUE STAKE THE 4 CORNERS OF SIGN AND FOUNDATION AND DEFINED EDGE OF T/W TO OBTAIN ENGINEER'S APPROVAL PRIOR TO INSTALLATION.
- SIGN COORDINATE IS PROVIDED TO THE NEAREST EDGE OF SIGN TO DEFINED EDGE OF TAXIWAY. (NOT SIGN FOUNDATION OR BASE CAN).
- NEW SIGNS SHALL BE INSTALLED PERPENDICULAR TO THE T/W CENTERLINE MARKING UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL SURVEY EXISTING MARKING TO PROVIDE OFFSET FOR SIGN FOUNDATION INSTALLATION.
- NEW SIGN FOUNDATIONS MUST BE LEVEL AND NOT SLOPE WITH THE EXISTING GRADES.

SHEET TO BE PRINTED IN COLOR

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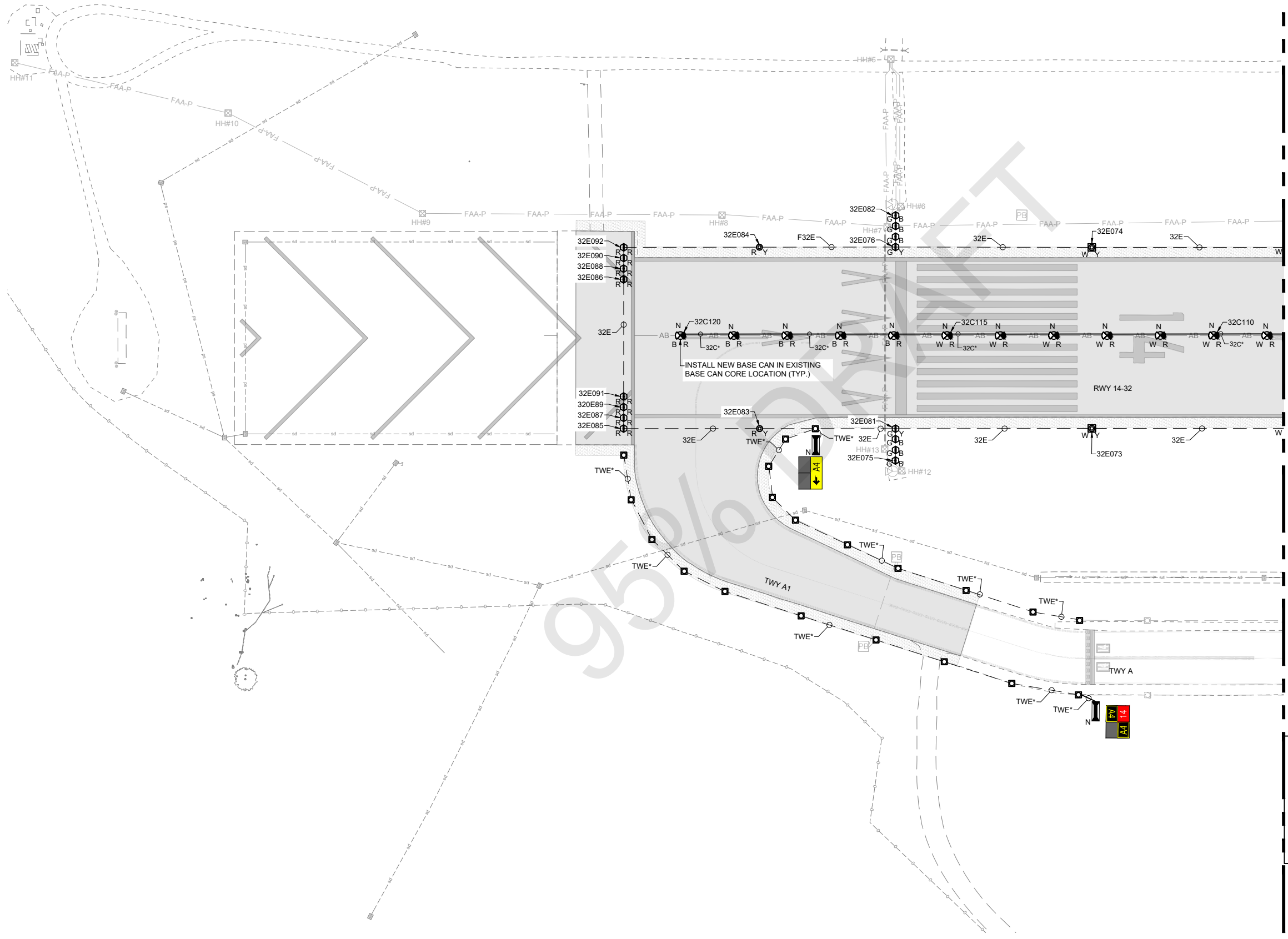
No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: FILE NAME

Drawn: FM  
Checked: JP  
Approved: DL

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**NOT FOR CONSTRUCTION**

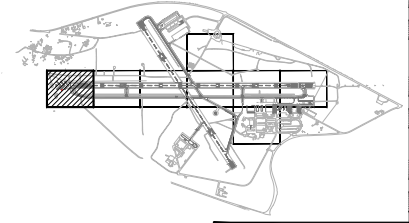
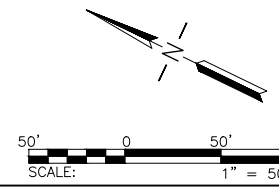
**NEW ELECTRICAL LEGEND**  
Sheet: **E2.00**



**GENERAL NOTES**  
 1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

MATCHLINE, SEE DWG NO E2.02

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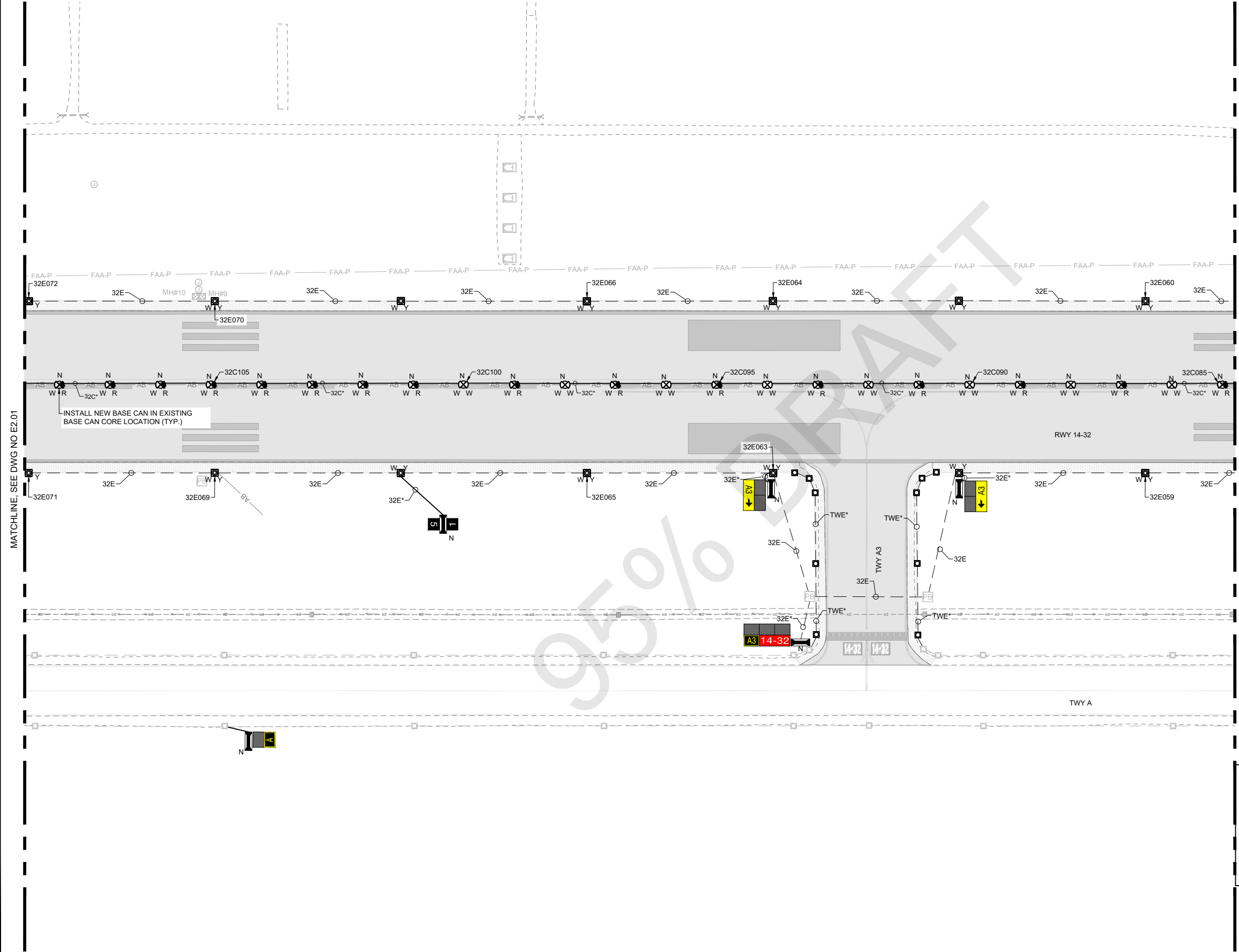
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**NOT FOR CONSTRUCTION**

No.	Revision	Date	By

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**ELECTRICAL NEW PLANS**  
 (1 OF 8)



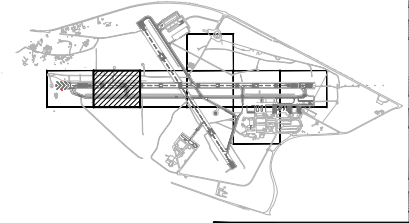
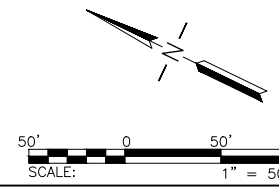
**GENERAL NOTES**  
 1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

MATCHLINE, SEE DWG NO E2.01

MATCHLINE, SEE DWG NO E2.03

INSTALL NEW BASE CAN IN EXISTING BASE CAN CORE LOCATION (TYP.)

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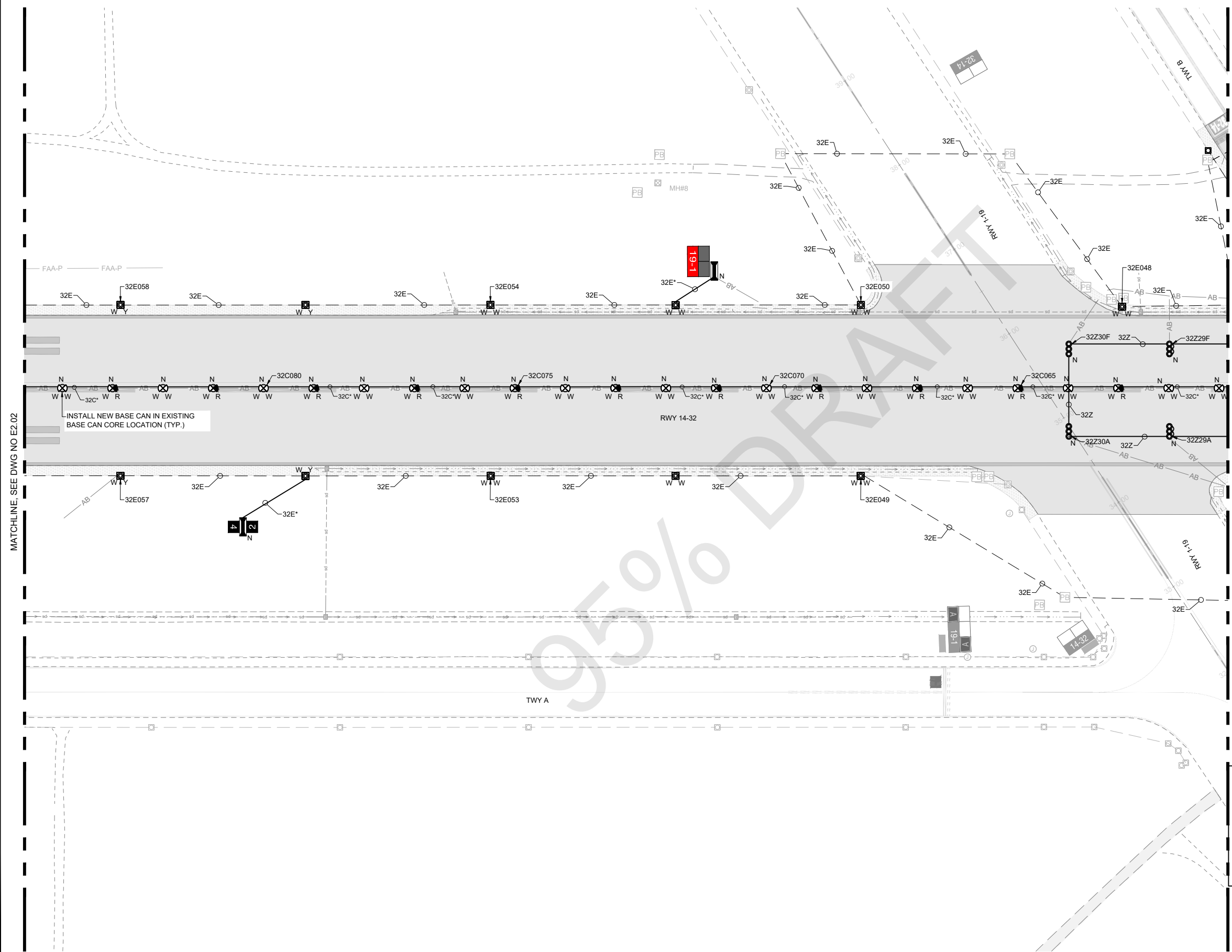
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**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**ELECTRICAL NEW PLANS**  
**(2 OF 8)**

Sheet: **E2.02**



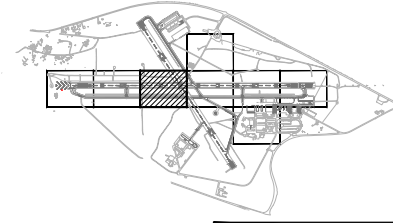
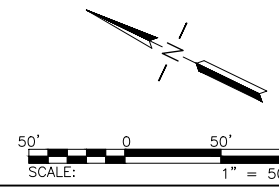


**GENERAL NOTES**  
 1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

MATCHLINE, SEE DWG NO E2.02

MATCHLINE, SEE DWG NO E2.04

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**NOT FOR CONSTRUCTION**

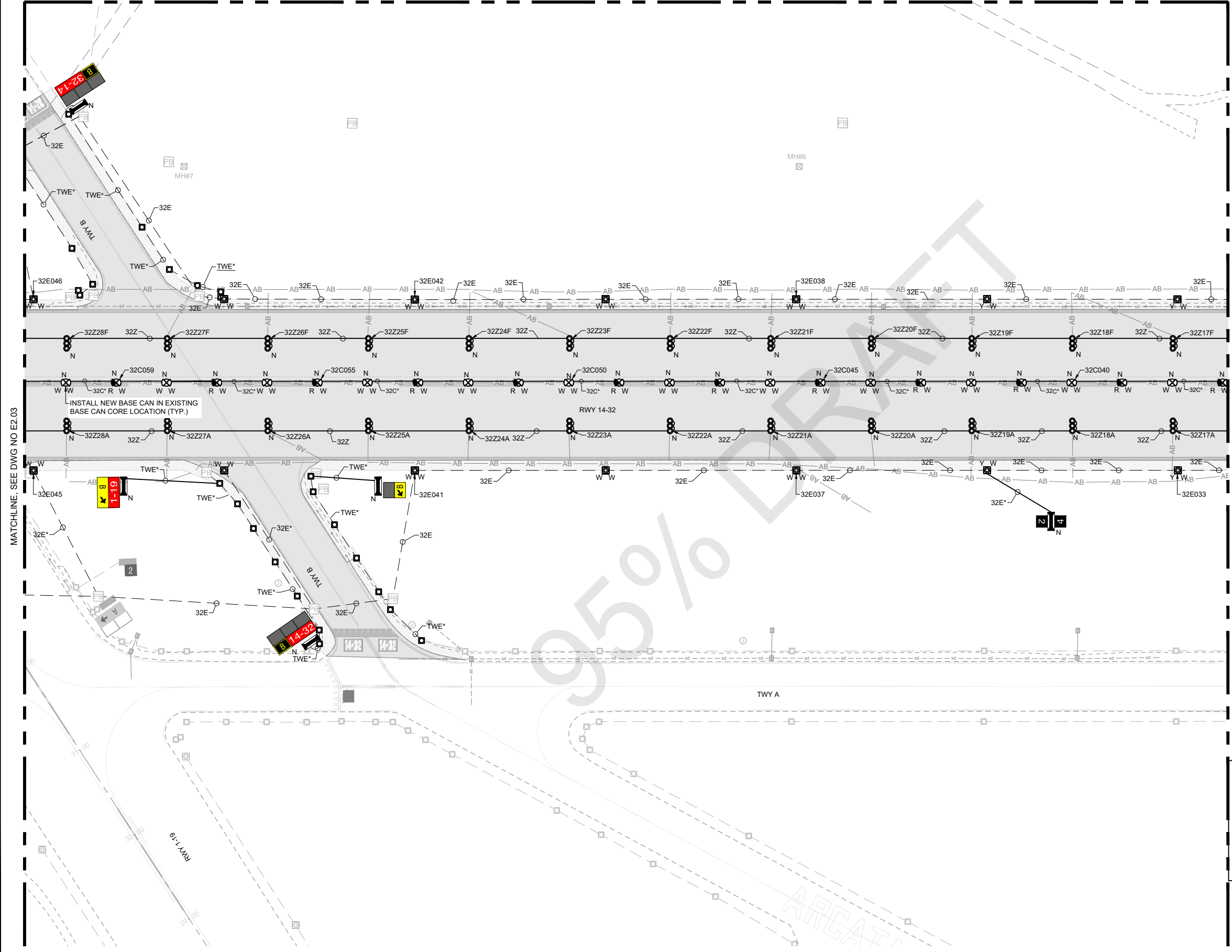
**ELECTRICAL NEW PLANS**  
**(3 OF 8)**

Sheet: **E2.03**

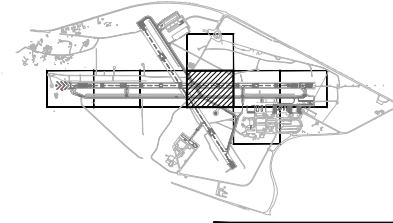
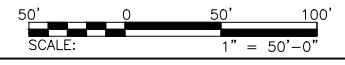
MATCHLINE, SEE DWG NO E2.08

**GENERAL NOTES**

- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



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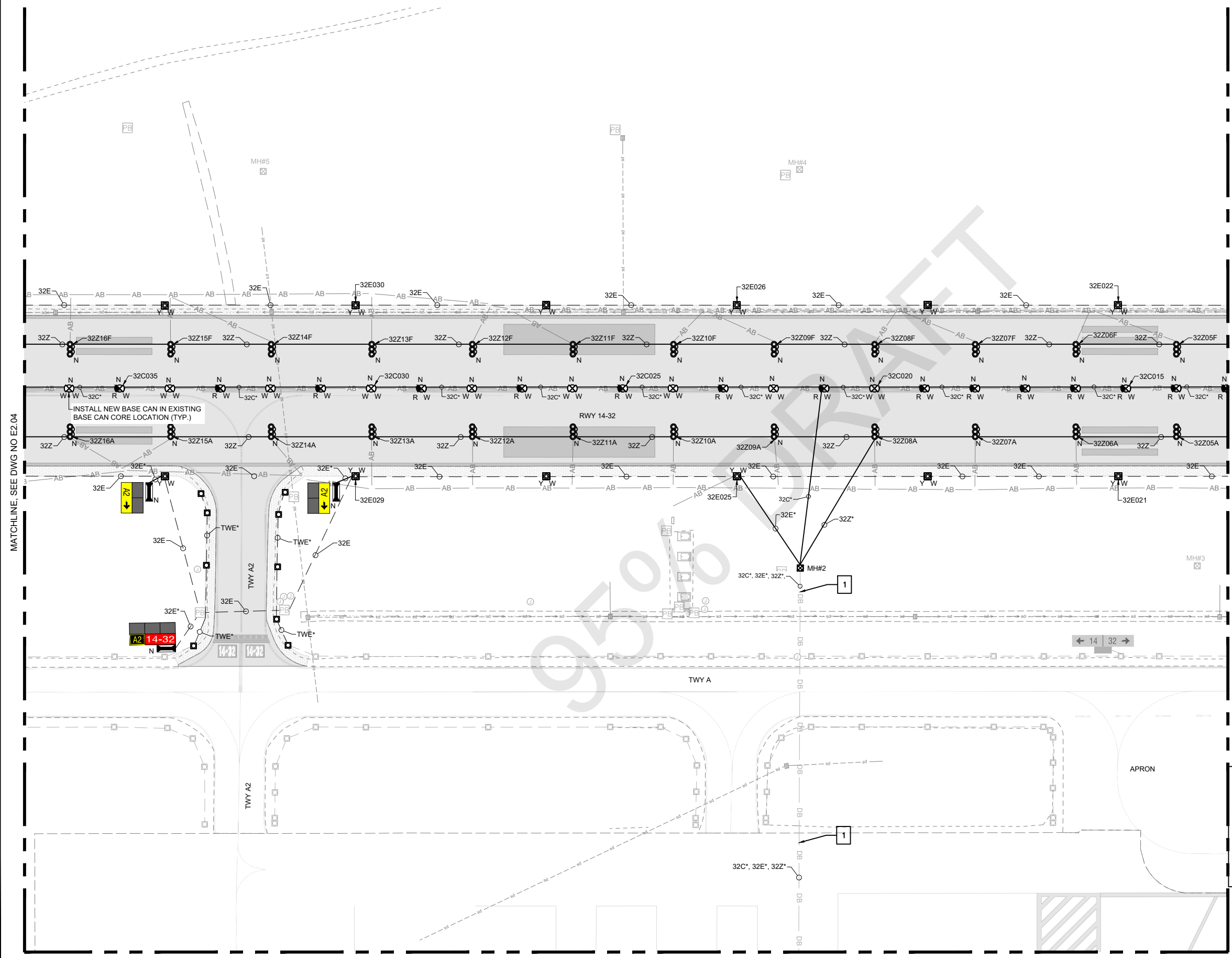
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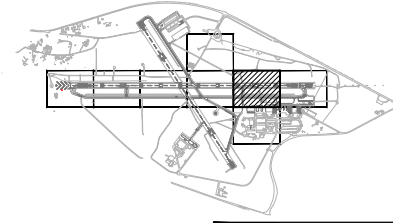
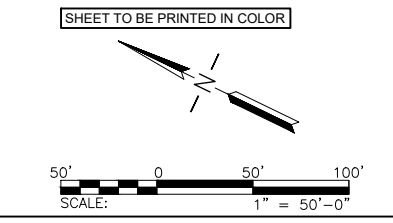
**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**ELECTRICAL NEW PLANS**  
**(4 OF 8)**

Sheet: **E2.04**



- GENERAL NOTES**
- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.
- KEY NOTES**
- THERE MAY BE ADDITIONAL ENERGIZED CIRCUITS IN DUCTBANK THAT ARE NOT SHOWN. PROTECT EXISTING CIRCUITS NOT SHOWN IN PLACE.



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**ELECTRICAL  
 NEW PLANS  
 (5 OF 8)**

Sheet: **E2.05**

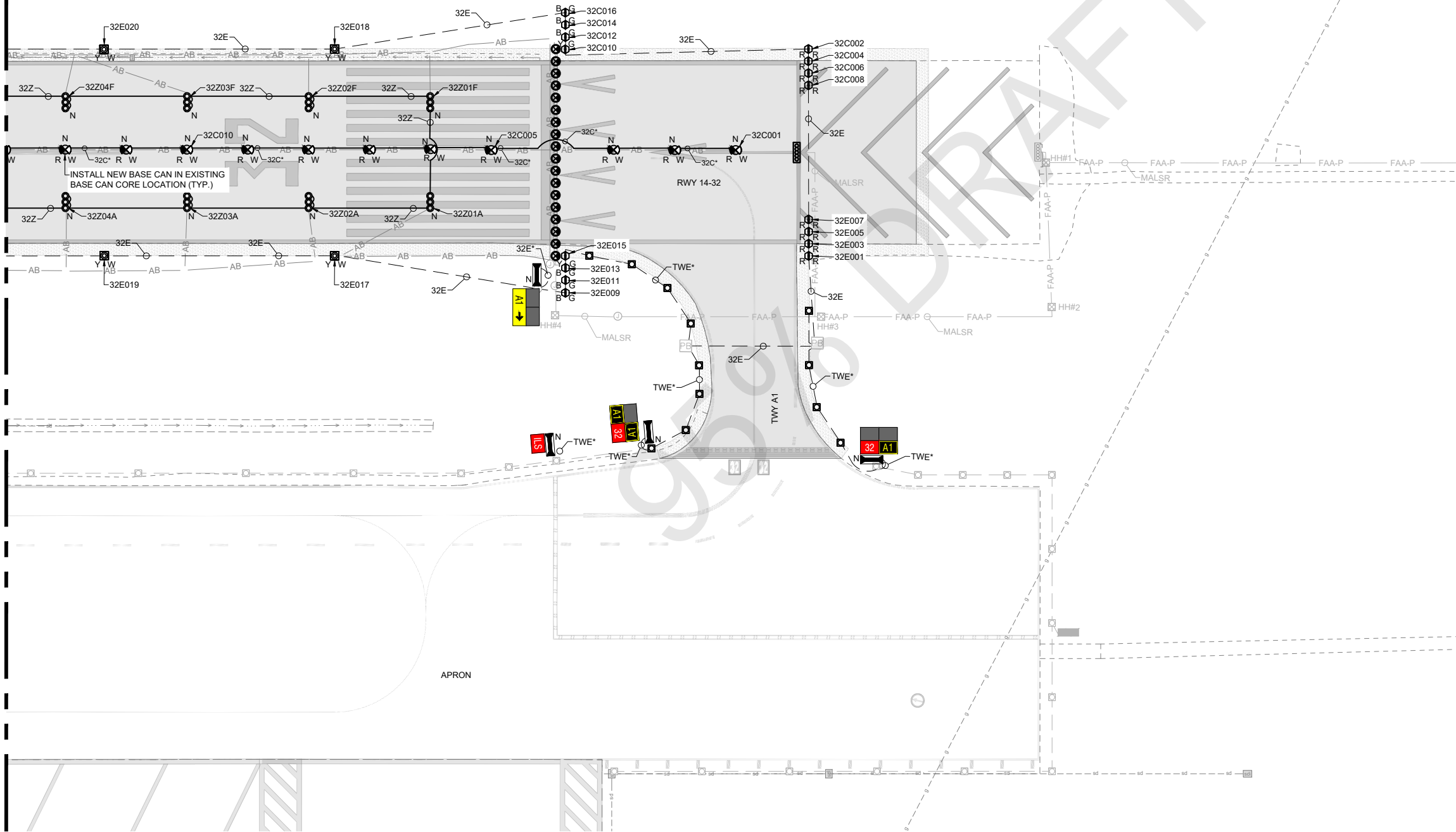
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 NOT FOR  
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MATCHLINE, SEE DWG NO E2.04

MATCHLINE, SEE DWG NO E2.06

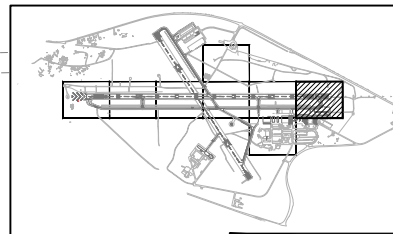
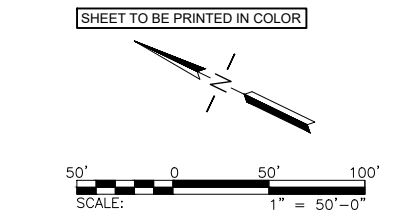
MATCHLINE, SEE DWG NO E2.07

MATCHLINE, SEE DWG NO E2.05



**GENERAL NOTES**

- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



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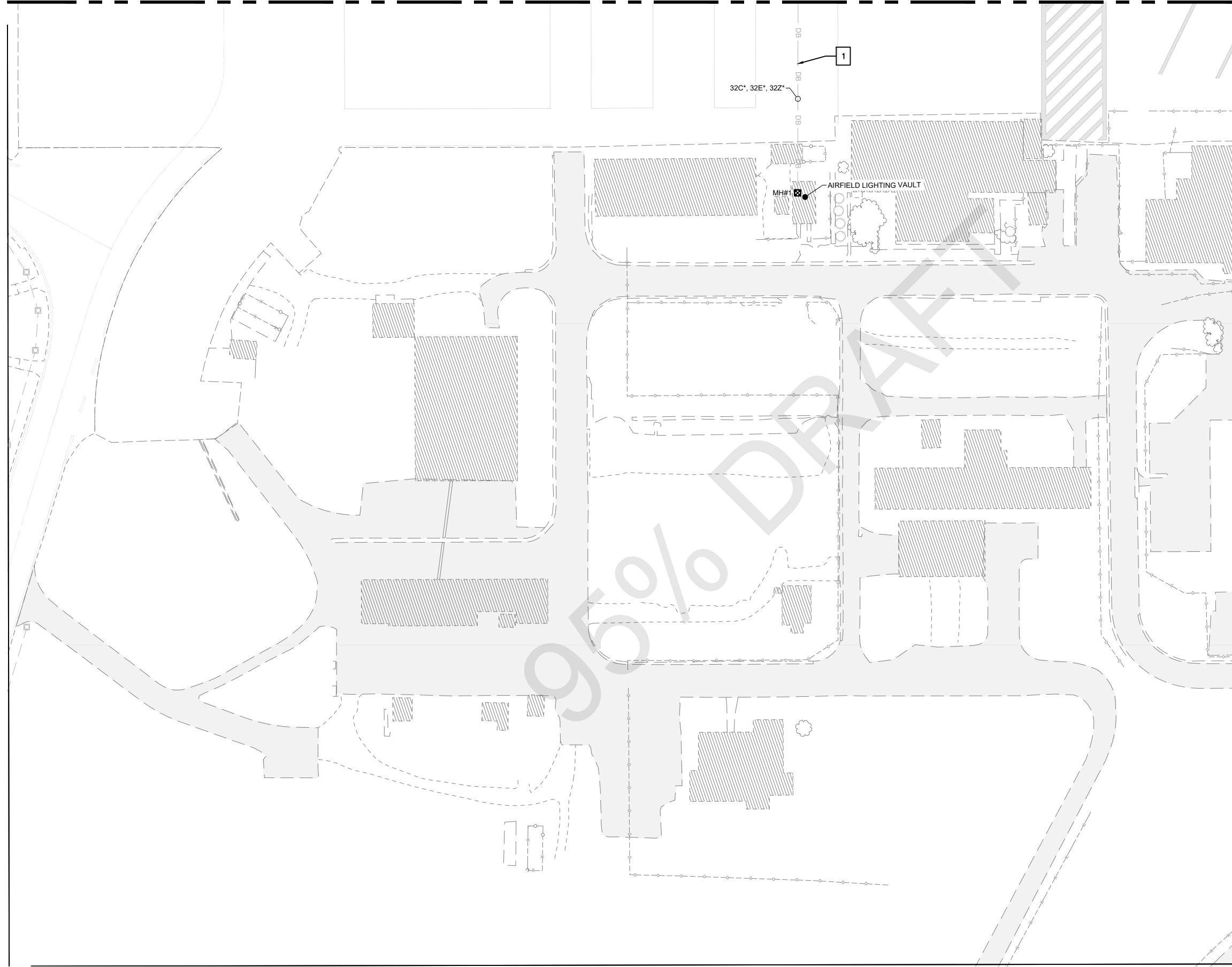
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 Checked: JP  
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**ELECTRICAL NEW PLANS (6 OF 8)**

Sheet: **E2.06**

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

MATCHLINE, SEE DWG NO E2.05

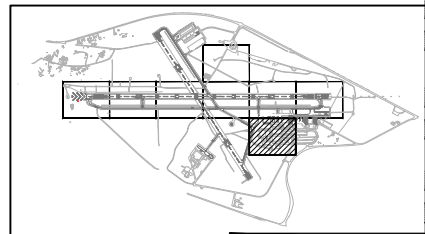
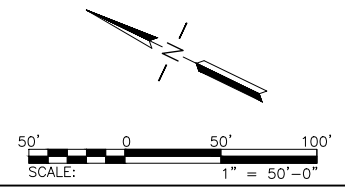


**GENERAL NOTES**

- 1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**KEY NOTES**

- 1. THERE MAY BE ADDITIONAL ENERGIZED CIRCUITS IN DUCTBANK THAT ARE NOT SHOWN. PROTECT EXISTING CIRCUITS NOT SHOWN IN PLACE.



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**NOT FOR CONSTRUCTION**

**ELECTRICAL NEW PLANS**  
**(7 OF 8)**

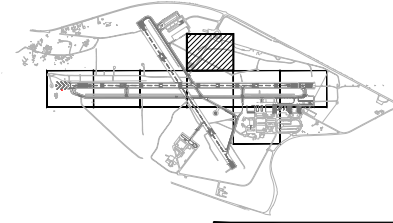
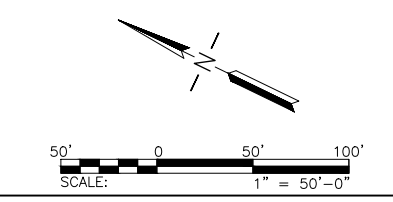
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**GENERAL NOTES**

1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

NO ELECTRICAL WORK ON THIS SHEET. SHEET SHOWN FOR REFERENCE ONLY.



95% DRAFT

MATCHLINE, SEE DWG NO E2.04

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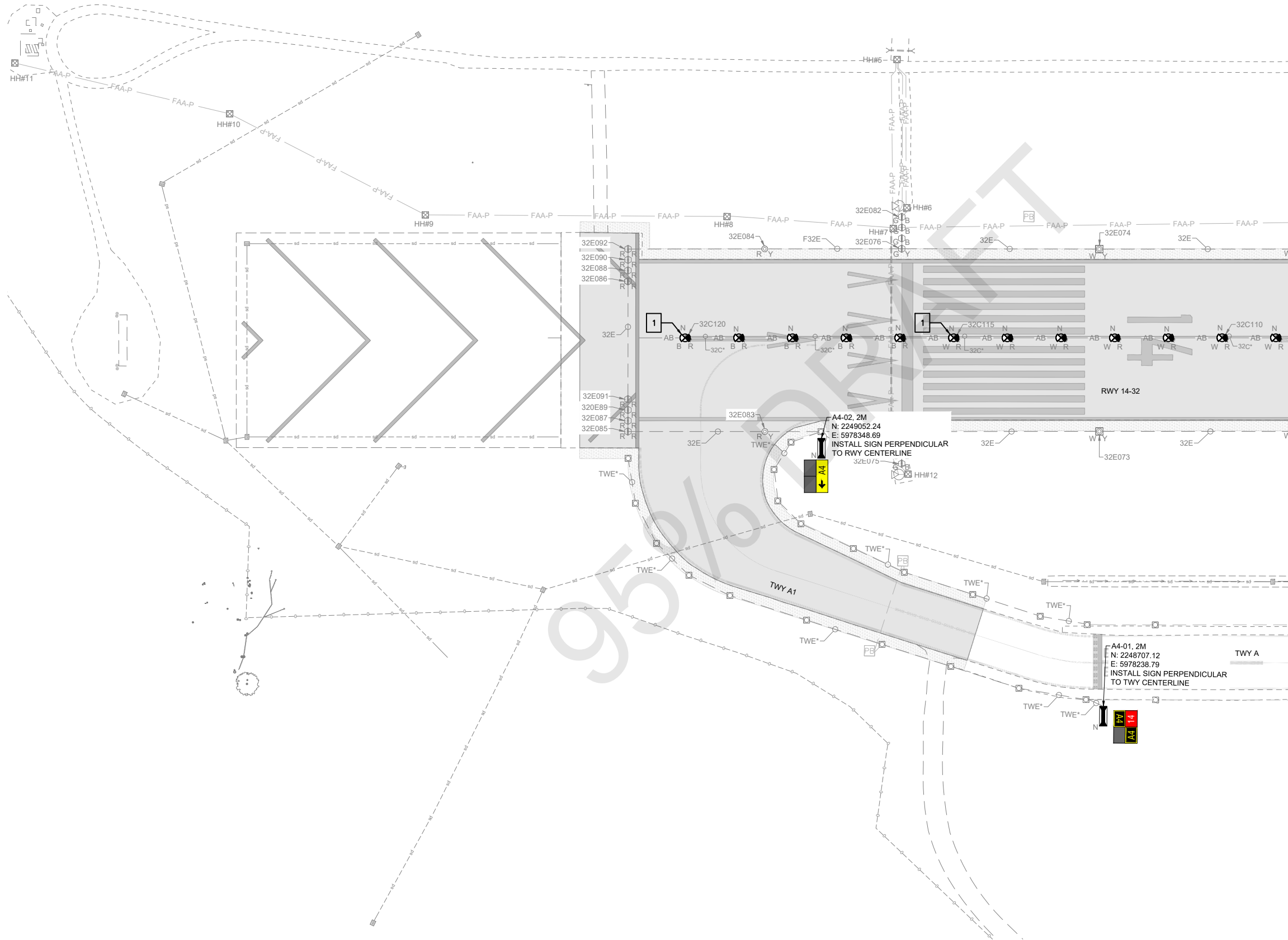
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**CONSTRUCTION**

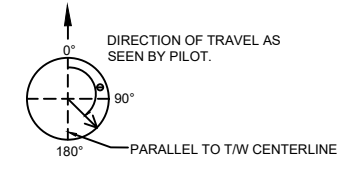
**ELECTRICAL**  
**NEW PLANS**  
**(8 OF 8)**

Sheet: **E2.08**



**GENERAL NOTES**

- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.
- ALL NON-RDR SIGNS SHALL BE SIZE 1, CLASS 2, MODE 2, AND STYLE 2.
- ALL RDR SIGNS SHALL BE SIZE 4, CLASS 2, MODE 2, AND STYLE 3.
- THE ANGLE OF THE ARROW FOR THE SIGN IS GIVEN ACCORDING TO THE DELOW CONVENTION. DEGREES UNDER THE ARROW DENOTES ANGLE.



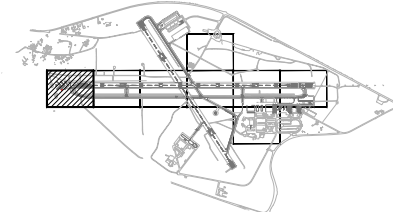
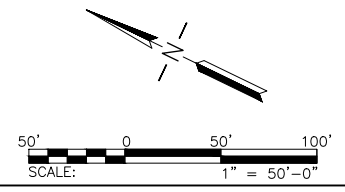
- CONTRACTOR SHALL COORDINATE MAINTENANCE PAD WITH CIVIL CONTRACTOR IN LOCATIONS (SHOULDER). CONTRACTOR MAY INCORPORATE THE ASPHALT MAINTENANCE PAD INTO THE CIVIL PAVEMENT AS LONG AS THE DIMENSIONS AND SLOPE ARE MET.
- SIGN COORDINATE IS PROVIDED TO THE NEAREST EDGE OF SIGN TO DEFINED EDGE OF TAXIWAY. (NOT SIGN FOUNDATION OR BASE CAN).
- NEW SIGNS SHALL BE INSTALLED PERPENDICULAR TO THE T/W CENTERLINE MARKING UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL SURVEY EXISTING MARKING TO PROVIDE OFFSET FOR SIGN FOUNDATION INSTALLATION.

**KEY NOTES**

- SURVEY EXISTING LOCATION OF RWY CENTERLINE LIGHT. INSTALL NEW RWY CENTERLINE LIGHT IN SAME LOCATION. PROVIDE SHOP DRAWING AS PART OF AS-BUILT WITH COORDINATES OF EACH BASE CAN LOCATION (TYP.).

MATCHLINE, SEE DWG NO E3.02

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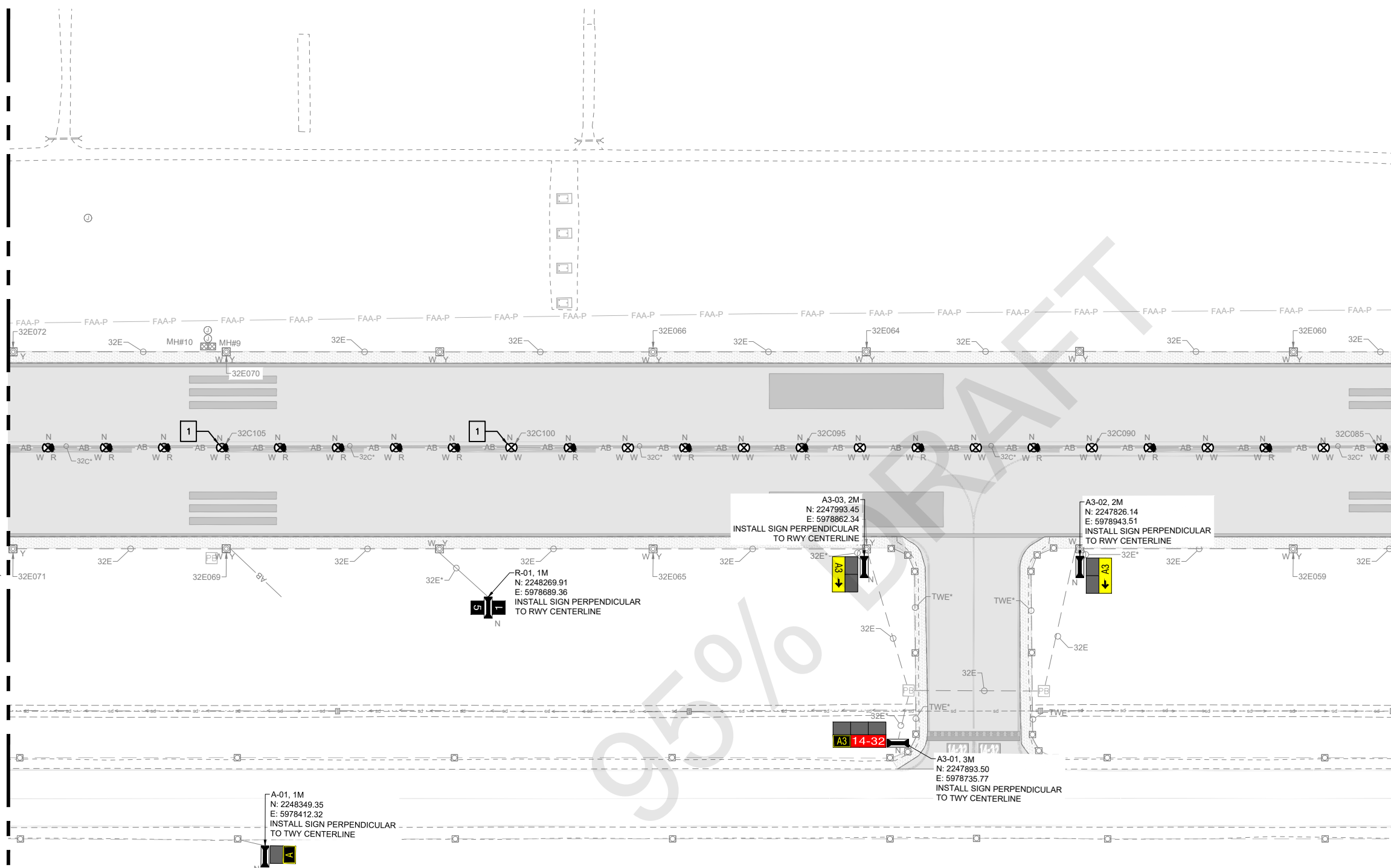
Drawn: FM  
Checked: JP  
Approved: DL

**ELECTRICAL  
COORDINATES  
(1 OF 8)**

Sheet: **E3.01**

MATCHLINE, SEE DWG NO E3.01

MATCHLINE, SEE DWG NO E3.03

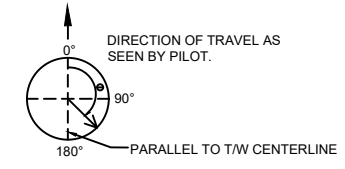


**GENERAL NOTES**

1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SIGNAGE NOTES**

1. ALL NON-RDR SIGNS SHALL BE SIZE 1, CLASS 2, MODE 2, AND STYLE 2.
2. ALL RDR SIGNS SHALL BE SIZE 4, CLASS 2, MODE 2, AND STYLE 3.
3. THE ANGLE OF THE ARROW FOR THE SIGN IS GIVEN ACCORDING TO THE BELOW CONVENTION. DEGREES UNDER THE ARROW DENOTES ANGLE.

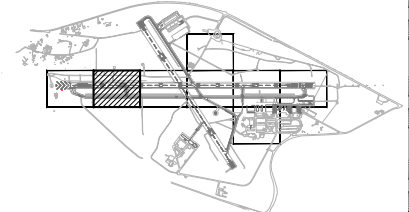
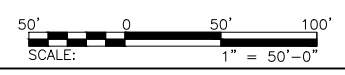


4. CONTRACTOR SHALL COORDINATE MAINTENANCE PAD WITH CIVIL CONTRACTOR IN LOCATIONS (SHOULDER). CONTRACTOR MAY INCORPORATE THE ASPHALT MAINTENANCE PAD INTO THE CIVIL PAVEMENT AS LONG AS THE DIMENSIONS AND SLOPE ARE MET.
5. SIGN COORDINATE IS PROVIDED TO THE NEAREST EDGE OF SIGN TO DEFINED EDGE OF TAXIWAY. (NOT SIGN FOUNDATION OR BASE CAN).
6. NEW SIGNS SHALL BE INSTALLED PERPENDICULAR TO THE T/W CENTERLINE MARKING UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL SURVEY EXISTING MARKING TO PROVIDE OFFSET FOR SIGN FOUNDATION INSTALLATION.

**KEY NOTES**

1. SURVEY EXISTING LOCATION OF RWY CENTERLINE LIGHT. INSTALL NEW RWY CENTERLINE LIGHT IN SAME LOCATION. PROVIDE SHOP DRAWING AS PART OF AS-BUILT WITH COORDINATES OF EACH BASE CAN LOCATION (TYP.).

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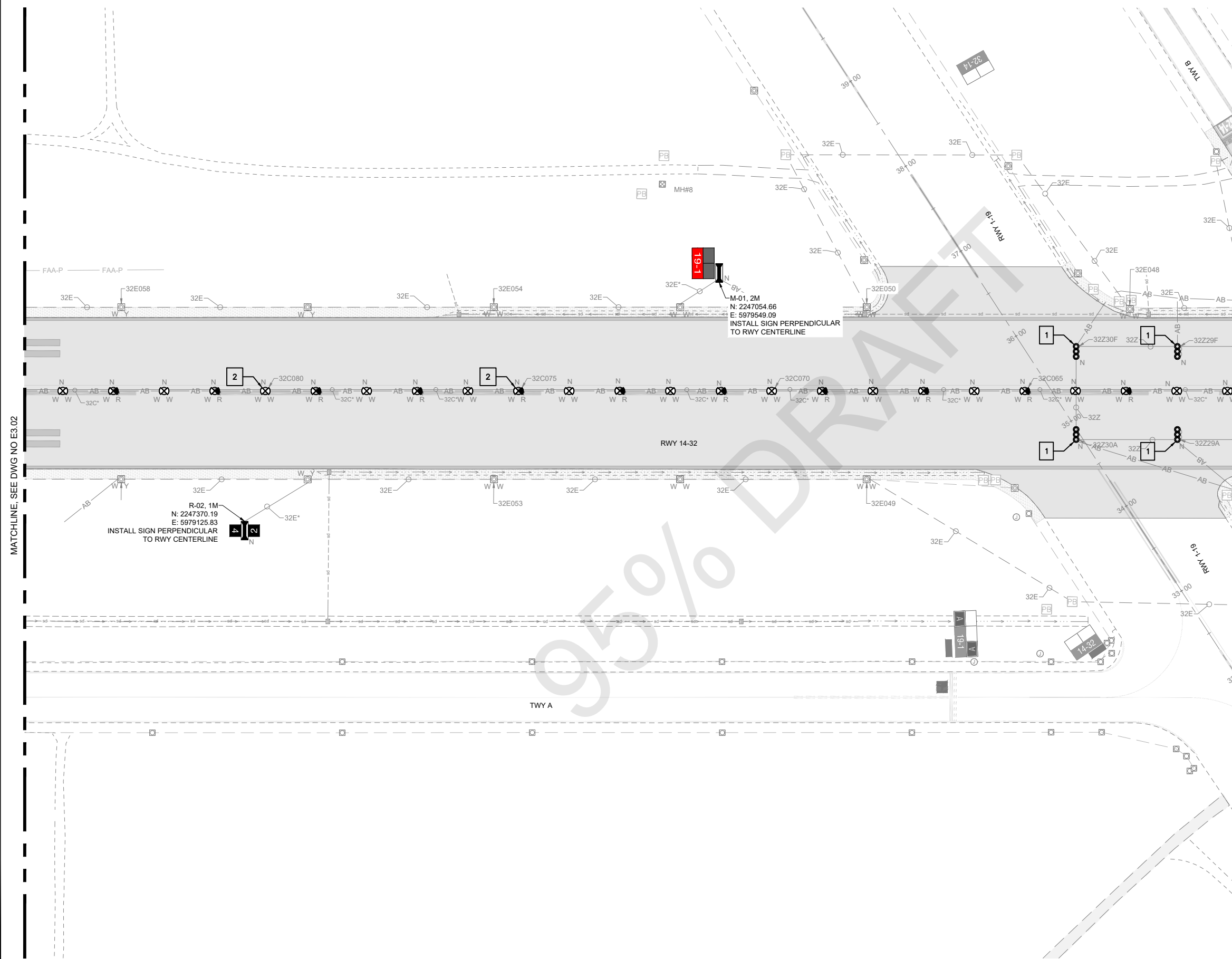
Drawn: FM  
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 Approved: DL

**ELECTRICAL COORDINATES (2 OF 8)**

**PRELIMINARY  
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 CONSTRUCTION**

Sheet: **E3.02**



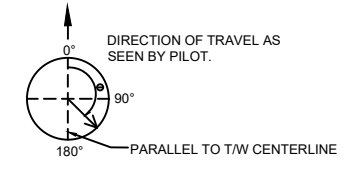


**GENERAL NOTES**

- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SIGNAGE NOTES**

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- THE ANGLE OF THE ARROW FOR THE SIGN IS GIVEN ACCORDING TO THE DELOW CONVENTION. DEGREES UNDER THE ARROW DENOTES ANGLE.

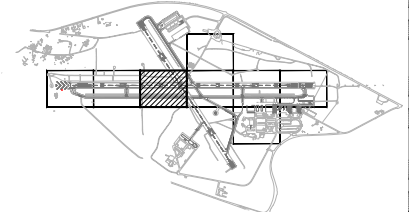
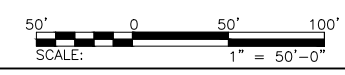


- CONTRACTOR SHALL COORDINATE MAINTENANCE PAD WITH CIVIL CONTRACTOR IN LOCATIONS (SHOULDER). CONTRACTOR MAY INCORPORATE THE ASPHALT MAINTENANCE PAD INTO THE CIVIL PAVEMENT AS LONG AS THE DIMENSIONS AND SLOPE ARE MET.
- SIGN COORDINATE IS PROVIDED TO THE NEAREST EDGE OF SIGN TO DEFINED EDGE OF TAXIWAY. (NOT SIGN FOUNDATION OR BASE CAN).
- NEW SIGNS SHALL BE INSTALLED PERPENDICULAR TO THE T/W CENTERLINE MARKING UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL SURVEY EXISTING MARKING TO PROVIDE OFFSET FOR SIGN FOUNDATION INSTALLATION.

**KEY NOTES**

- SURVEY EXISTING LOCATION OF TDZ LIGHT BARRETTE. INSTALL NEW TDZ BARRETTE IN SAME LOCATION. PROVIDE SHOP DRAWING AS PART OF AS-BUILT WITH COORDINATES OF EACH BASE CAN LOCATION.
- SURVEY EXISTING LOCATION OF RWY CENTERLINE LIGHT. INSTALL NEW RWY CENTERLINE LIGHT IN SAME LOCATION. PROVIDE SHOP DRAWING AS PART OF AS-BUILT WITH COORDINATES OF EACH BASE CAN LOCATION (TYP.).

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MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-0XX-2022

No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: FILE NAME

Drawn: FM  
Checked: JP  
Approved: DL

**ELECTRICAL COORDINATES (3 OF 8)**

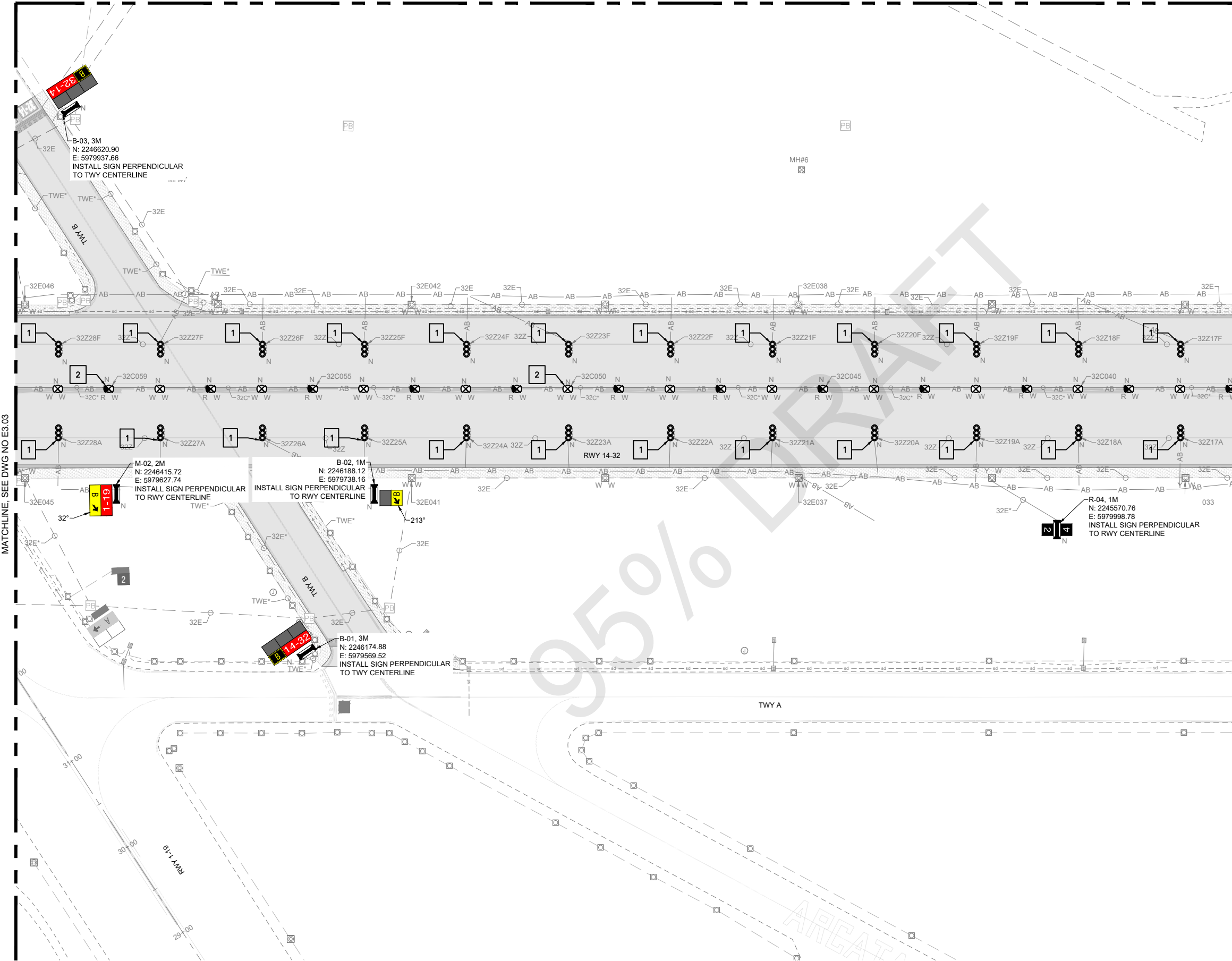
Sheet: **E3.03**

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

MATCHLINE, SEE DWG NO E3.02

MATCHLINE, SEE DWG NO E3.04

MATCHLINE, SEE DWG NO E3.08

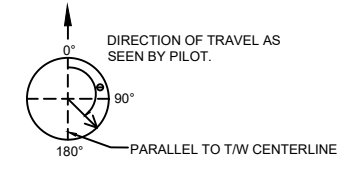


**GENERAL NOTES**

- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SIGNAGE NOTES**

- ALL NON-RDR SIGNS SHALL BE SIZE 1, CLASS 2, MODE 2, AND STYLE 2.
- ALL RDR SIGNS SHALL BE SIZE 4, CLASS 2, MODE 2, AND STYLE 3.
- THE ANGLE OF THE ARROW FOR THE SIGN IS GIVEN ACCORDING TO THE DELOW CONVENTION. DEGREES UNDER THE ARROW DENOTES ANGLE.

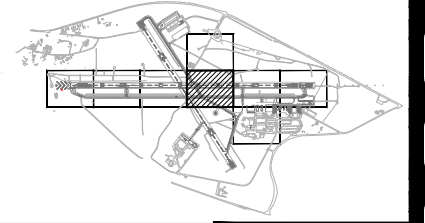
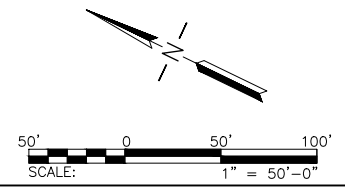


- CONTRACTOR SHALL COORDINATE MAINTENANCE PAD WITH CIVIL CONTRACTOR IN LOCATIONS (SHOULDER). CONTRACTOR MAY INCORPORATE THE ASPHALT MAINTENANCE PAD INTO THE CIVIL PAVEMENT AS LONG AS THE DIMENSIONS AND SLOPE ARE MET.
- SIGN COORDINATE IS PROVIDED TO THE NEAREST EDGE OF SIGN TO DEFINED EDGE OF TAXIWAY. (NOT SIGN FOUNDATION OR BASE CAN).
- NEW SIGNS SHALL BE INSTALLED PERPENDICULAR TO THE T/W CENTERLINE MARKING UNLESS OTHERWISE SHOWN. CONTRACTOR SHALL SURVEY EXISTING MARKING TO PROVIDE OFFSET FOR SIGN FOUNDATION INSTALLATION.

**KEY NOTES**

- SURVEY EXISTING LOCATION OF TDZ LIGHT BARRETTE. INSTALL NEW TDZ BARRETTE IN SAME LOCATION. PROVIDE SHOP DRAWING AS PART OF AS-BUILT WITH COORDINATES OF EACH BASE CAN LOCATION.
- SURVEY EXISTING LOCATION OF RWY CENTERLINE LIGHT. INSTALL NEW RWY CENTERLINE LIGHT IN SAME LOCATION. PROVIDE SHOP DRAWING AS PART OF AS-BUILT WITH COORDINATES OF EACH BASE CAN LOCATION (TYP.).

SHEET TO BE PRINTED IN COLOR



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CALIFORNIA REDWOOD COAST  
 HUMBOLDT COUNTY AIRPORT  
 MCKINLEYVILLE, CA  
 REHAB RW 14/32 & LIGHTING SYSTEM  
 AIP No. 3-06-0010-0XX-2022

No.	Revision	Date	By

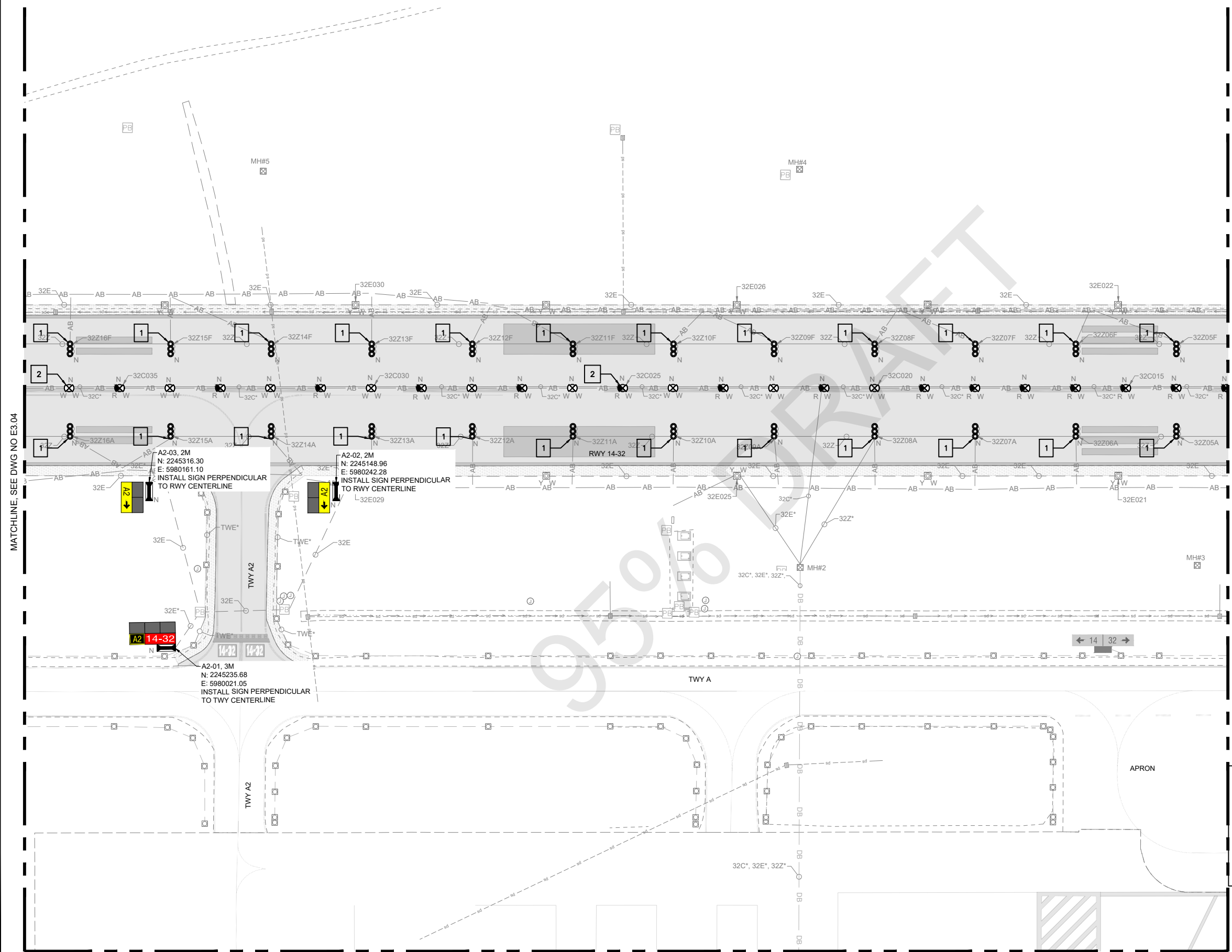
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**ELECTRICAL COORDINATES (4 OF 8)**

Sheet: **E3.04**

**PRELIMINARY  
 NOT FOR CONSTRUCTION**



MATCHLINE, SEE DWG NO E3.04

MATCHLINE, SEE DWG NO E3.06

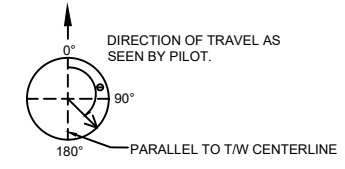
MATCHLINE, SEE DWG NO E1.07

**GENERAL NOTES**

- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SIGNAGE NOTES**

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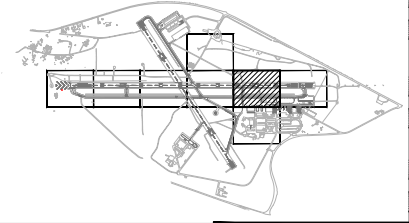
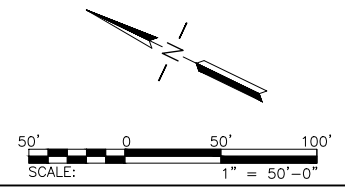


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SHEET TO BE PRINTED IN COLOR



**PRELIMINARY  
NOT FOR  
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CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-0XX-2022

No.	Revision	Date	By

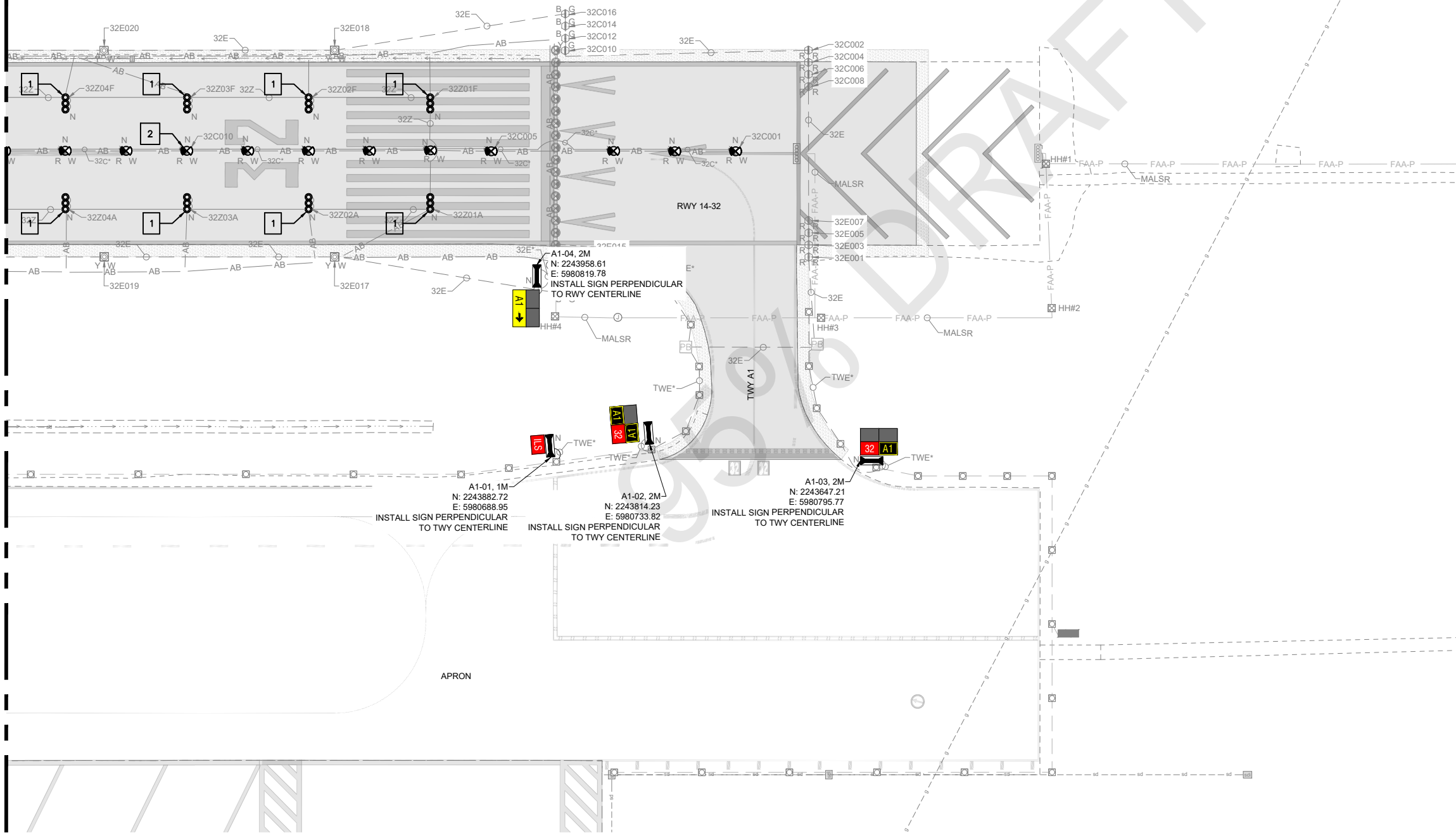
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File Name: FILE NAME

Drawn: FM  
Checked: JP  
Approved: DL

**ELECTRICAL  
COORDINATES  
(5 OF 8)**

Sheet: **E3.05**

MATCHLINE - SEE DWG NO E3.05

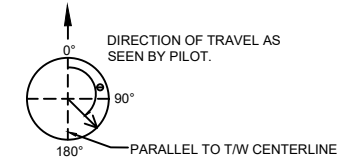


**GENERAL NOTES**

- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

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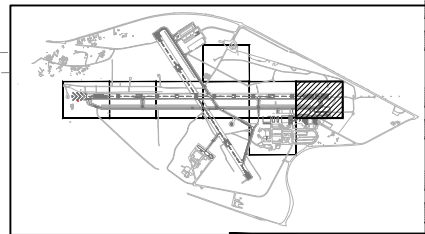


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**NOT FOR CONSTRUCTION**



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-0XX-2022

No.	Revision	Date	By

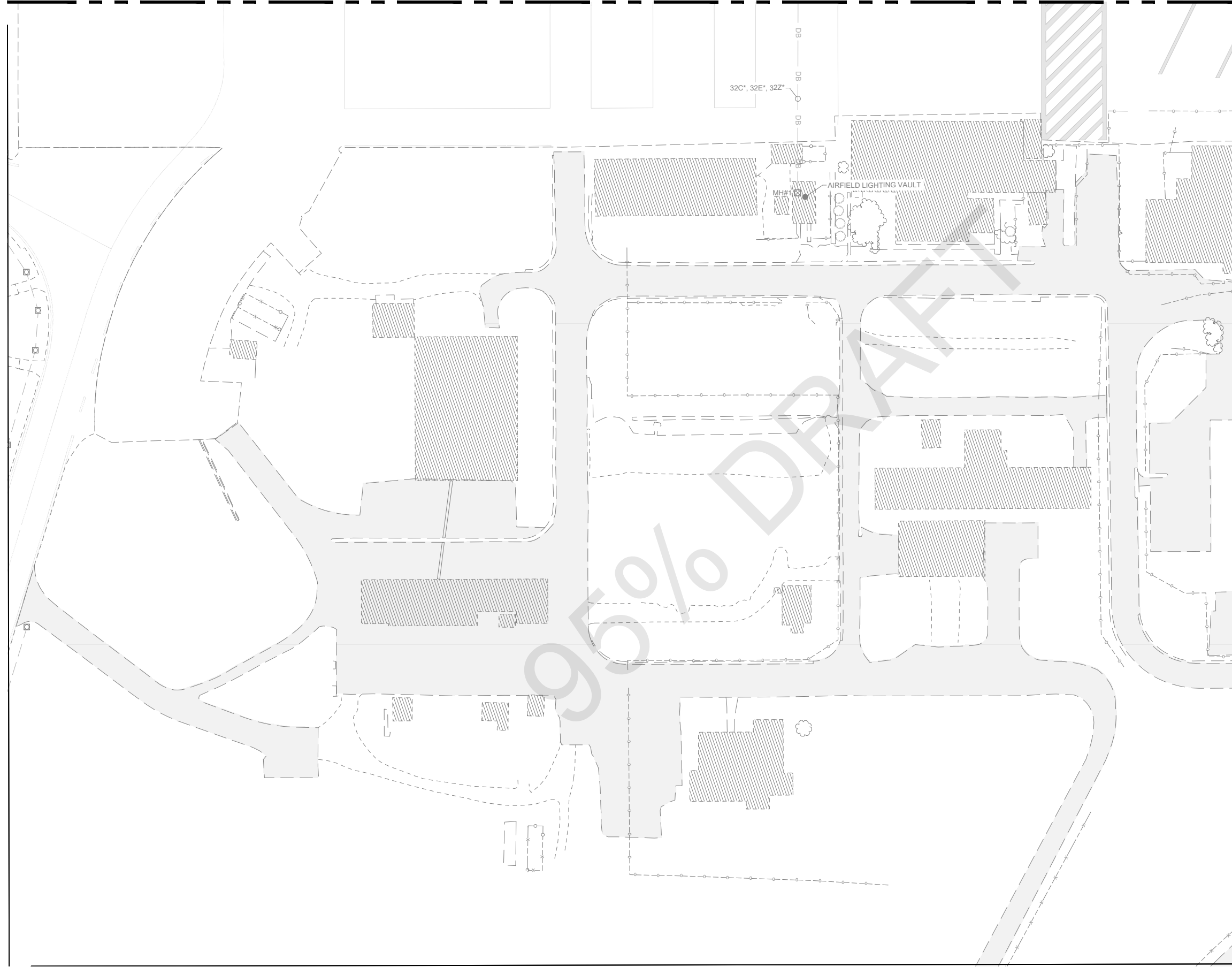
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Approved: DL

**ELECTRICAL COORDINATES (6 OF 8)**

Sheet: **E3.06**

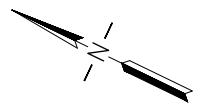
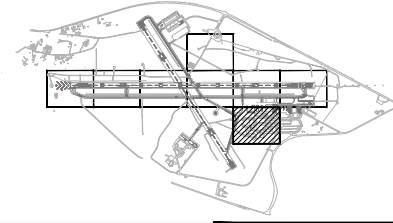
MATCHLINE, SEE DWG NO E3.05



**GENERAL NOTES**

- 1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

NO COORDINATES SHOWN ON THIS SHEET. SHEET SHOWN FOR REFERENCE ONLY



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REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-0XX-2022

No.	Revision	Date	By

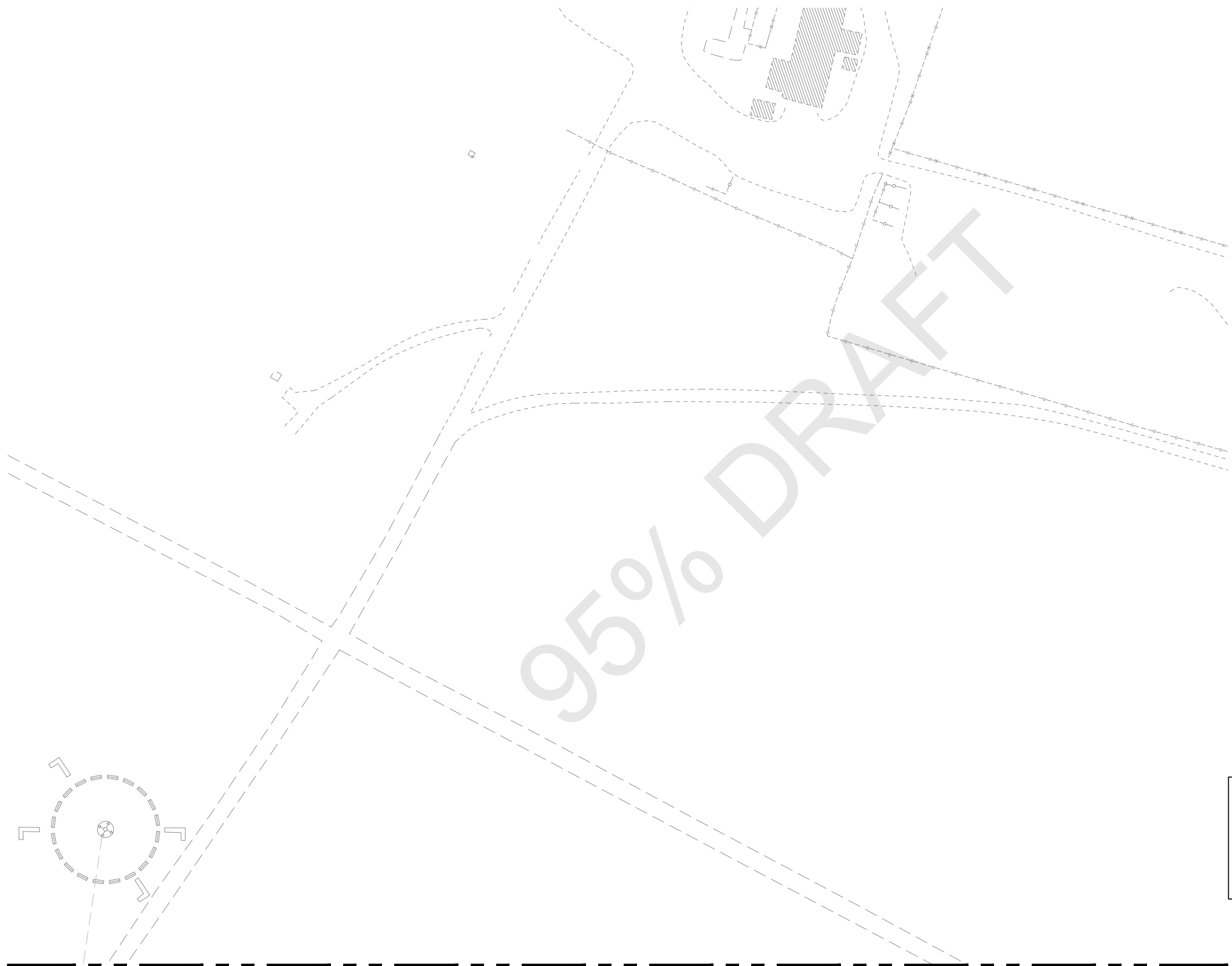
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Approved: DL

**ELECTRICAL  
COORDINATES  
(7 OF 8)**

**PRELIMINARY  
NOT FOR  
CONSTRUCTION**

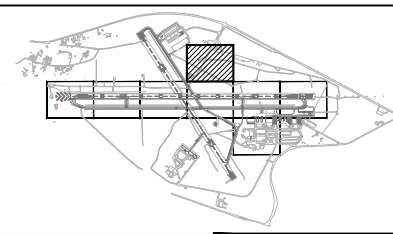
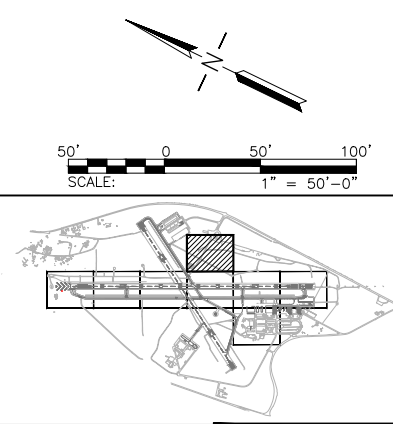
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**GENERAL NOTES**

1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

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MATCHLINE, SEE DWG NO E3.04

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No.	Revision	Date	By

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**ELECTRICAL  
COORDINATES  
(8 OF 8)**

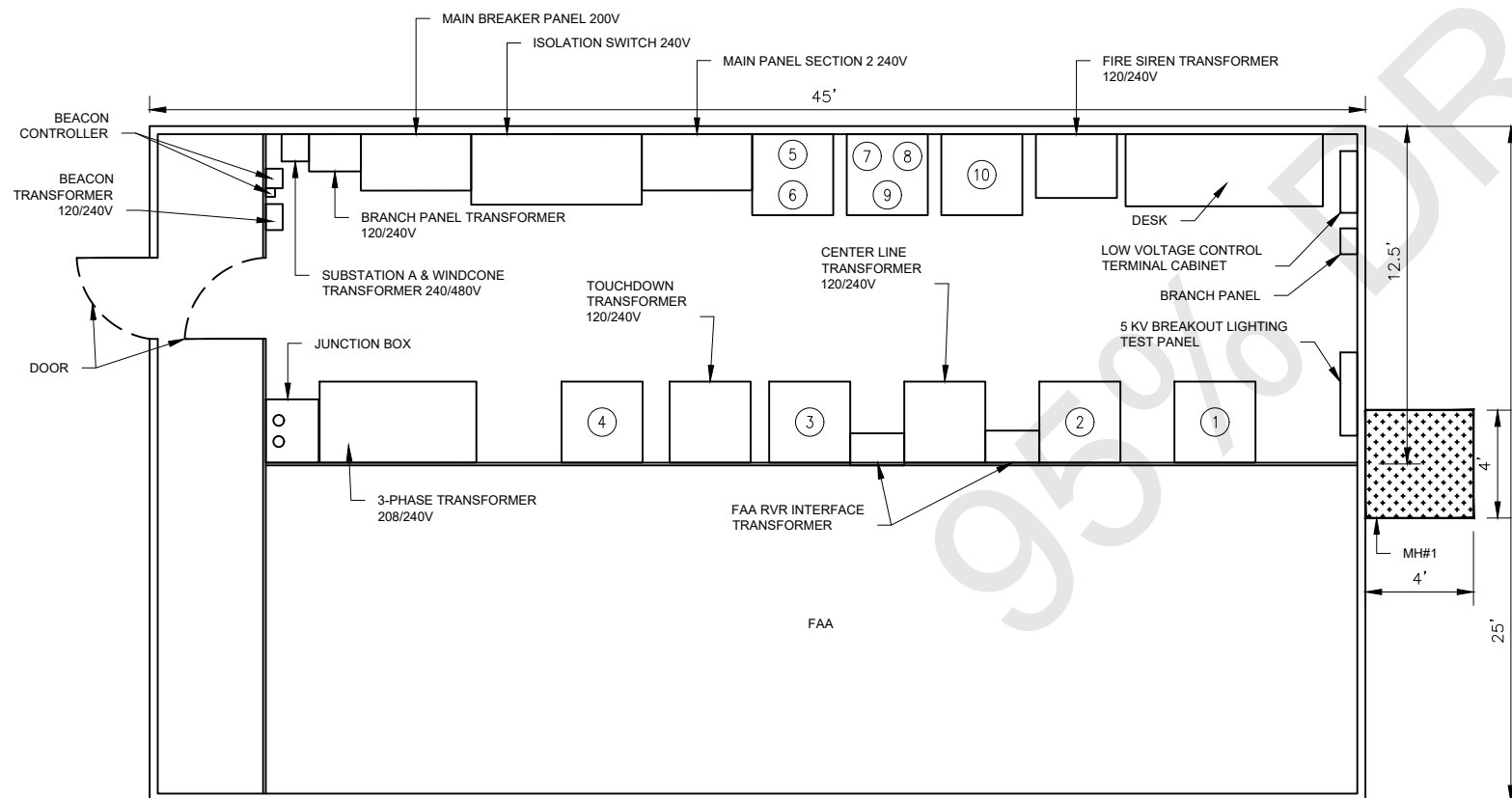
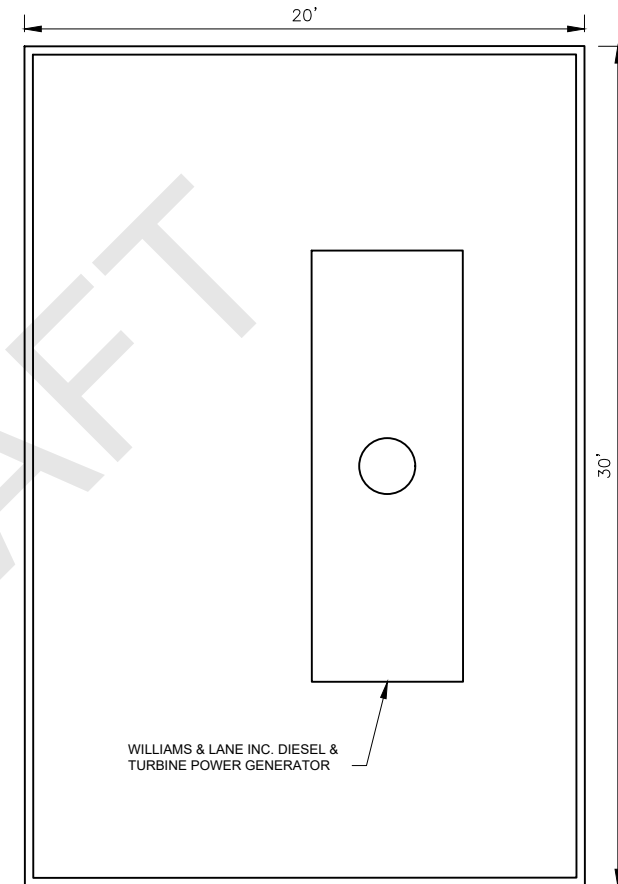
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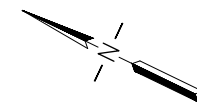
**GENERAL NOTES**

- SEE SHEETS E0.01, & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

CCR SCHEDULE									
CCR NO.	CIRCUITING	DESCRIPTION	OUTPUT WATTAGE (KW)	STEPS	OUTPUT CURRENT (A)	INPUT VOLTAGE (V)	INPUT CURRENT (A)	SERIAL NO.	COMMENTS
1	-	-	20	5	6.6	240	91	33	MALFUNCTIONED
2	32E	RUNWAY 13-31 EDGE LIGHTS	20	5	6.6	240	92	3117	
3	32C	RUNWAY 13-31 CENTER LINE LIGHTS	50	5	20	2400	23	423	MALFUNCTIONED
4	32Z	RUNWAY 13-31 TOUCHDOWN ZONE LIGHTS	50	5	20	2400	23	414	MALFUNCTIONED
5	TWE	TWY A & E EDGE LIGHTS	7.5	3	6.6	240	36	1376	MALFUNCTIONED
6	TWE	TWY A & E EDGE LIGHTS	7.5	3	6.6	240	36	-	MALFUNCTIONED
7	TWE	TWY B & F EDGE LIGHTS	7.5	3	6.6	240	36	-	-
8	TWE	TWY A, D, & G EDGE LIGHTS	7.5	3	6.6	240	36	-	-
9	TWE	TWY A & C EDGE LIGHTS	7.5	3	6.6	240	36	-	-
10	-	RUNWAY 1-19 EDGE LIGHTS	7.5	3	6.6	240	36	75-NS10170-3	-



1 EXISTING AIRFIELD LIGHTING VAULT LAYOUT  
SCALE: 3-1/2" = 1'-0"



**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

EXISTING AIRFIELD LIGHTING VAULT LAYOUT (1 OF 4)

Sheet: E4.01

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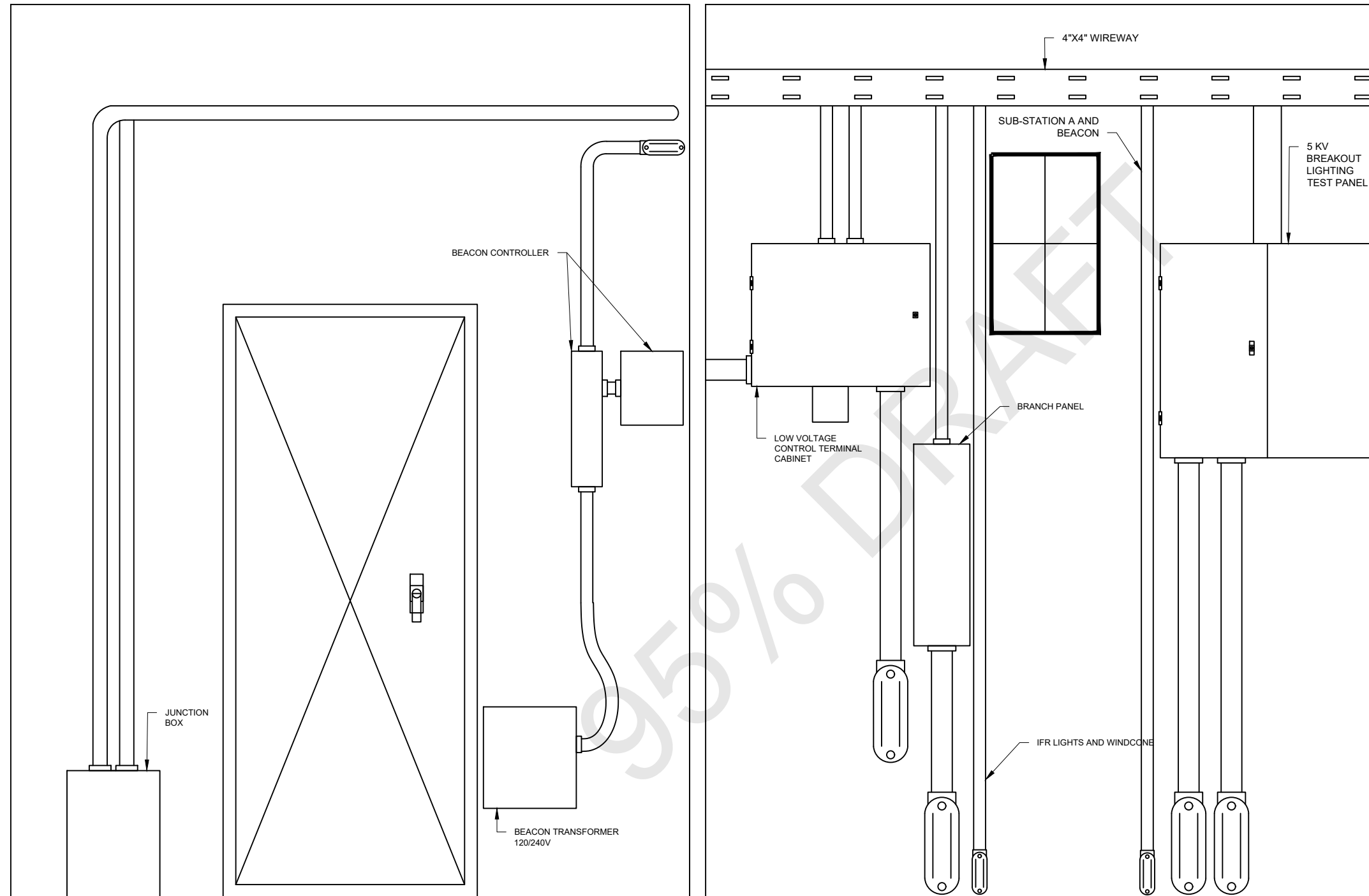
No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: FILE NAME

Drawn: FM  
Checked: JP  
Approved: DL

GENERAL NOTES

- SEE SHEETS E0.01, & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



1 EXISTING WEST WALL ELEVATION  
SCALE: NTS

2 EXISTING EAST WALL ELEVATION  
SCALE: NTS

No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: FILE NAME

Drawn: FM  
Checked: JP  
Approved: DL

**EXISTING AIRFIELD LIGHTING VAULT LAYOUT (2 OF 4)**

**PRELIMINARY**

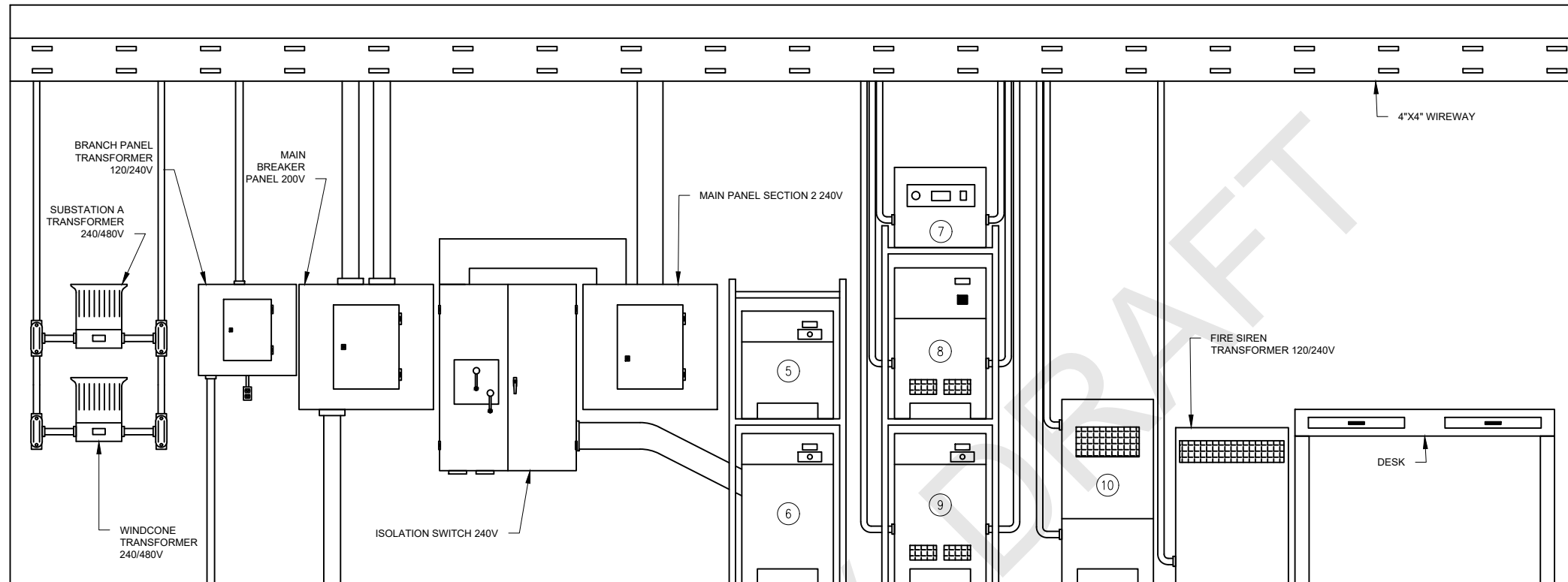
**NOT FOR CONSTRUCTION**

Sheet: **E4.02**



**GENERAL NOTES**

- SEE SHEETS E0.01, & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



1 EXISTING NORTH WALL ELEVATION  
SCALE: NTS

CCR SCHEDULE									
CCR NO.	CIRCUITING	DESCRIPTION	OUTPUT WATTAGE (KW)	STEPS	OUTPUT CURRENT (A)	INPUT VOLTAGE (V)	INPUT CURRENT (A)	SERIAL NO.	COMMENTS
5	TWE	TWY A & E EDGE LIGHTS	7.5	3	6.6	240	36	1376	MALFUNCTIONED
6	TWE	TWY A & E EDGE LIGHTS	7.5	3	6.6	240	36	-	MALFUNCTIONED
7	TWE	TWY B & F EDGE LIGHTS	7.5	3	6.6	240	36	-	-
8	TWE	TWY A, D, & G EDGE LIGHTS	7.5	3	6.6	240	36	-	-
9	TWE	TWY A & C EDGE LIGHTS	7.5	3	6.6	240	36	-	-
10	-	RUNWAY 1-19 EDGE LIGHTS	7.5	3	6.6	240	36	75-NS10170-3	-

No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: FILE NAME

Drawn: FM  
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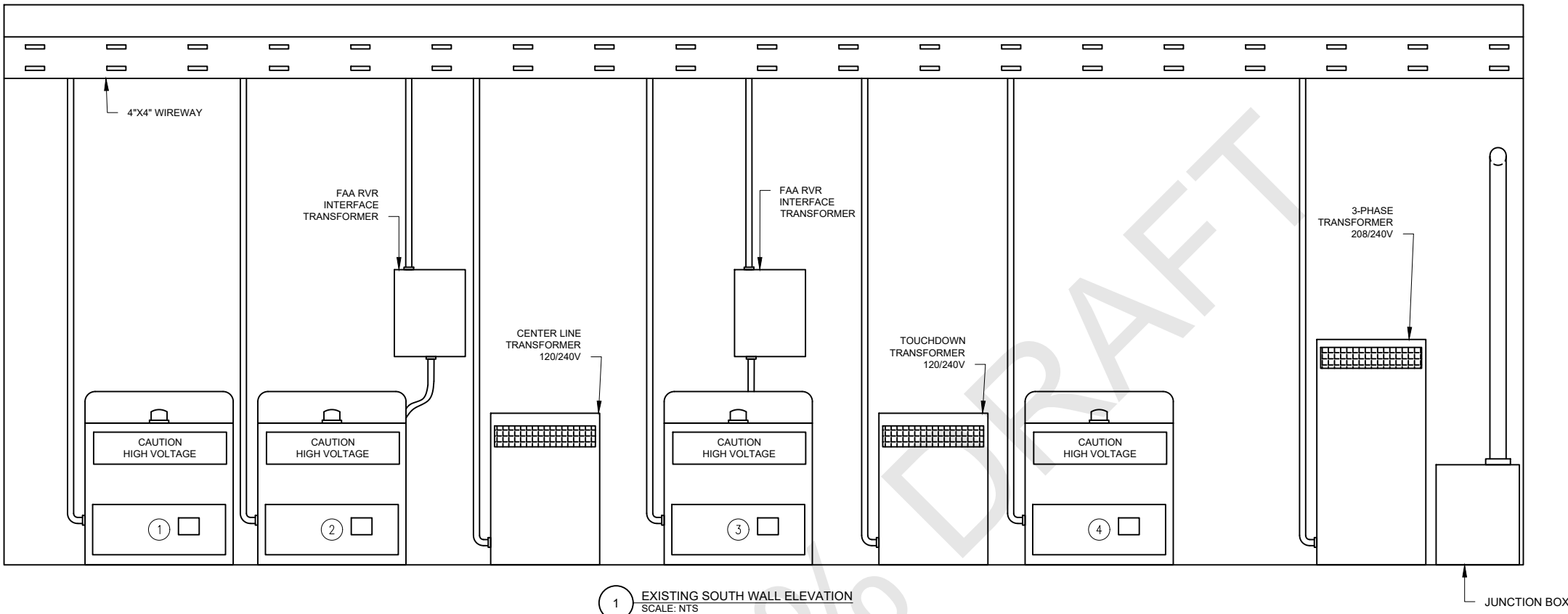
**PRELIMINARY**  
**NOT FOR**  
**CONSTRUCTION**

**EXISTING**  
**AIRFIELD**  
**LIGHTING VAULT**  
**LAYOUT (3 OF 4)**

Sheet: **E4.03**

**GENERAL NOTES**

- SEE SHEETS E0.01, & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



1 EXISTING SOUTH WALL ELEVATION  
SCALE: NTS

CCR SCHEDULE									
CCR NO.	CIRCUITING	DESCRIPTION	OUTPUT WATTAGE (KW)	STEPS	OUTPUT CURRENT (A)	INPUT VOLTAGE (V)	INPUT CURRENT (A)	SERIAL NO.	COMMENTS
1	-	-	20	5	6.6	240	91	33	MALFUNCTIONED
2	32E	RUNWAY 13-31 EDGE LIGHTS	20	5	6.6	240	92	3117	-
3	32C	RUNWAY 13-31 CENTER LINE LIGHTS	50	5	20	2400	23	423	MALFUNCTIONED
4	32Z	RUNWAY 13-31 TOUCHDOWN ZONE LIGHTS	50	5	20	2400	23	414	MALFUNCTIONED

No.	Revision	Date	By

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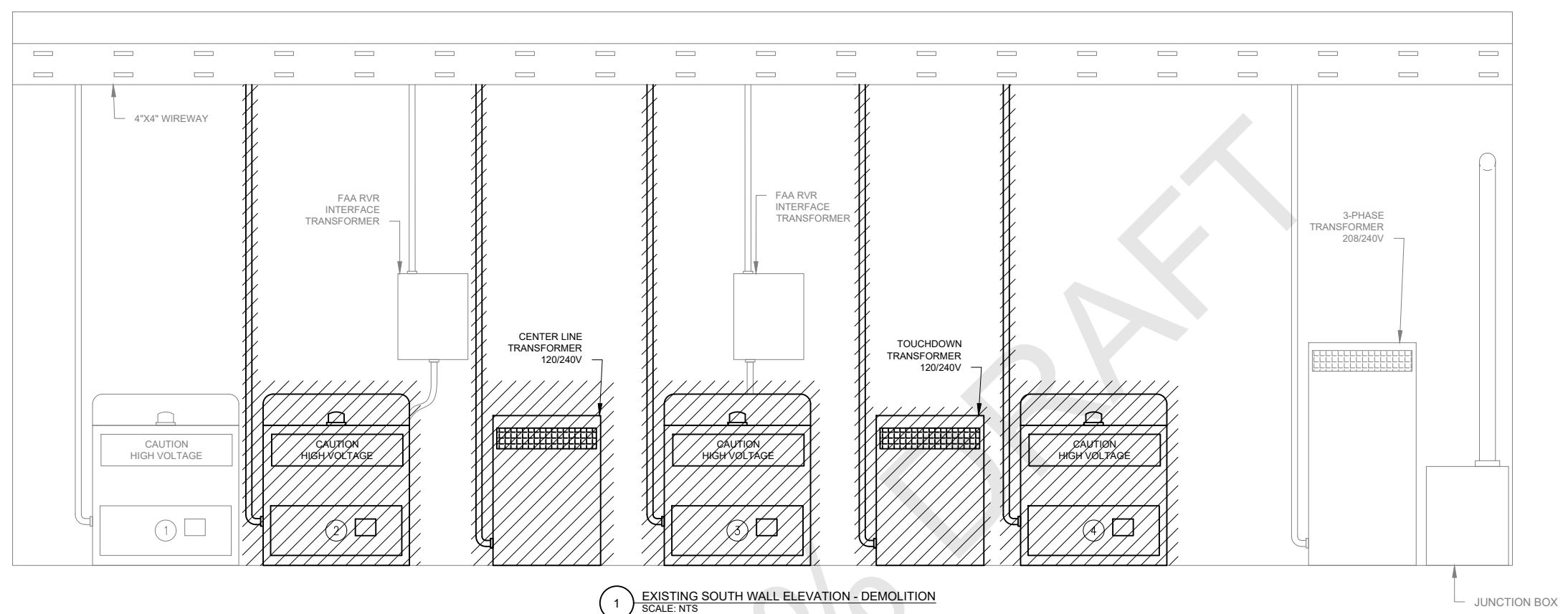
**EXISTING**  
**AIRFIELD**  
**LIGHTING VAULT**  
**LAYOUT (4 OF 4)**

**GENERAL NOTES**

- SEE SHEETS E0.01, & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SHEET LEGEND**

- DEMOLISH EXISTING ELECTRICAL EQUIPMENT/CABLES



1 EXISTING SOUTH WALL ELEVATION - DEMOLITION  
SCALE: NTS

CCR SCHEDULE									
CCR NO.	CIRCUITING	DESCRIPTION	OUTPUT WATTAGE (KW)	STEPS	OUTPUT CURRENT (A)	INPUT VOLTAGE (V)	INPUT CURRENT (A)	SERIAL NO.	COMMENTS
1	-	-	20	5	6.6	240	91	33	MALFUNCTIONED
2	32E	RUNWAY 13-31 EDGE LIGHTS	20	5	6.6	240	92	3111	
3	32C	RUNWAY 13-31 CENTER-LINE LIGHTS	80	5	20	2400	23	423	MALFUNCTIONED
4	32Z	RUNWAY 13-31 TOUCHDOWN ZONE LIGHTS	90	5	20	2400	23	414	MALFUNCTIONED

No.	Revision	Date	By

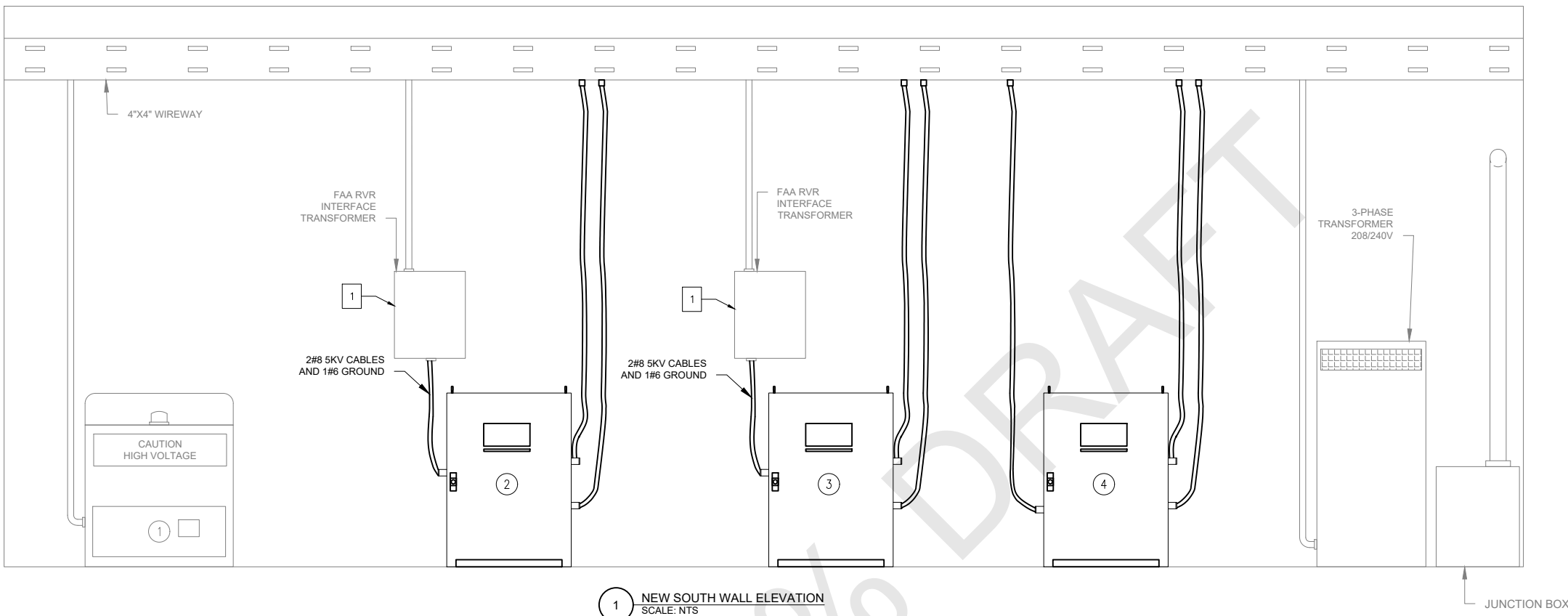
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**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**DEMO SOUTH WALL**

Sheet: **E4.05**



**GENERAL NOTES**

- SEE SHEETS E0.01, & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**KEY NOTES**

- LOOP 5KV CABLE INTO FAA RVR ENCLOSURE. COORDINATE WITH FAA TO LOOP CABLE THROUGH THE EXISTING CURRENT SENSING LOOPS AND FOR TESTING AND COMMISSIONING OF THE RLIM SYSTEM WITH NEW CCR'S

CCR SCHEDULE									
CCR NO.	CIRCUITING	DESCRIPTION	OUTPUT WATTAGE (KW)	STEPS	OUTPUT CURRENT (A)	INPUT VOLTAGE (V)	INPUT CURRENT (A)	SERIAL NO.	COMMENTS
1	-	-	20	5	6.6	240	91	-	MALFUNCTIONED
2	32E	RUNWAY 14-32 EDGE LIGHTS	10	5	6.6	240	58	-	NEW
3	32C	RUNWAY 14-32 CENTER LINE LIGHTS	10	5	6.6	240	58	-	NEW
4	32Z	RUNWAY 14-32 TOUCHDOWN ZONE LIGHTS	10	5	6.6	240	58	-	NEW

No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: FILE NAME

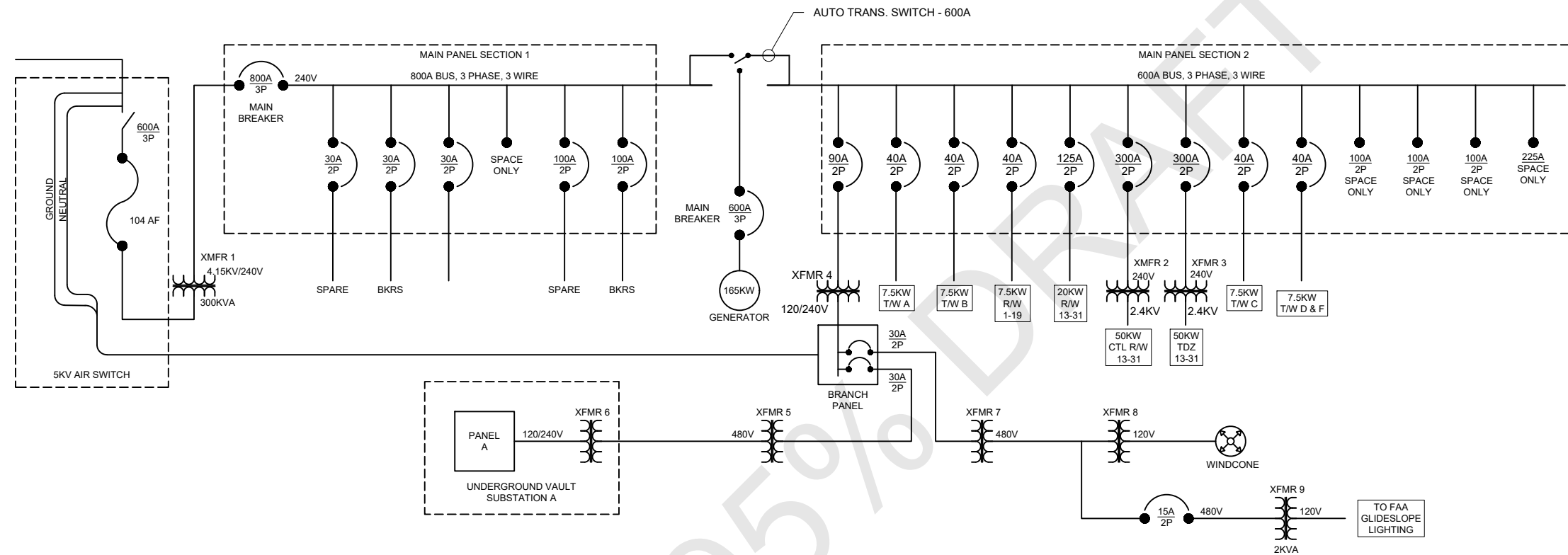
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Approved: DL

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**NEW SOUTH WALL**  
Sheet: **E4.06**

**GENERAL NOTES**

- SEE SHEETS E0.01, & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



1 EXISTING SINGLE LINE DIAGRAM  
SCALE: NTS

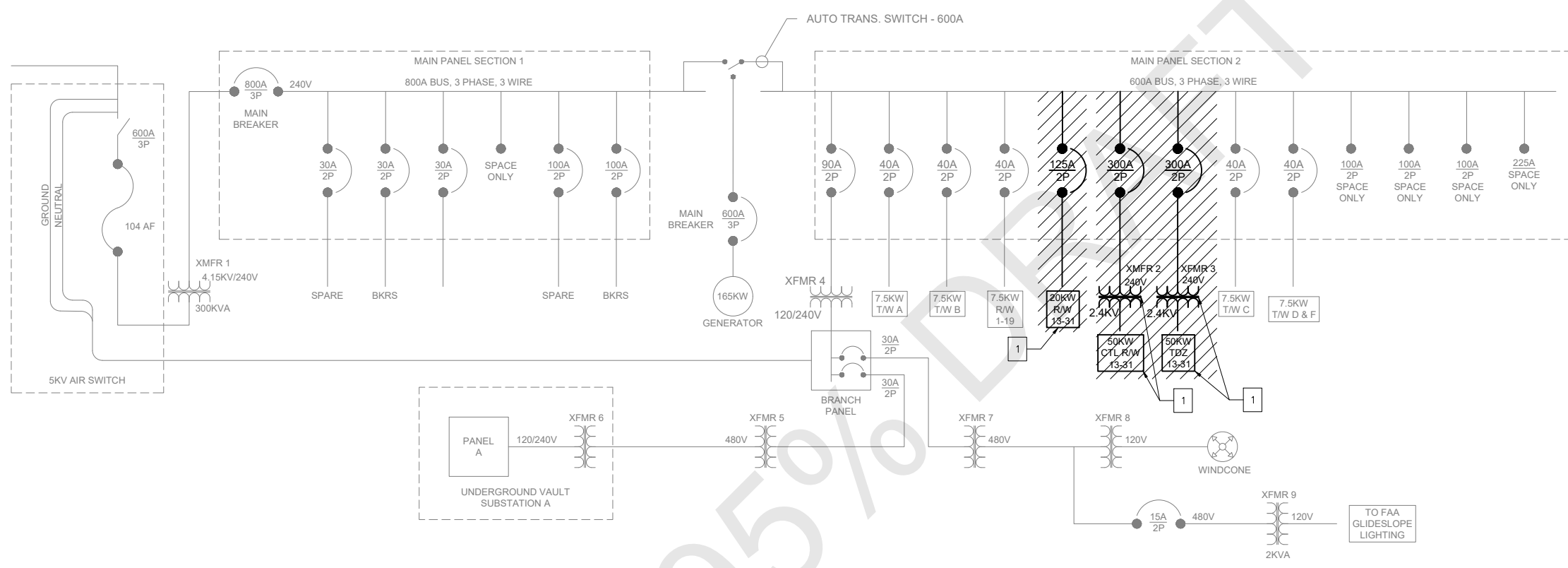
No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: FILE NAME

Drawn: FM  
Checked: JP  
Approved: DL

**PRELIMINARY**  
**NOT FOR**  
**CONSTRUCTION**

**EXISTING**  
**SINGLE LINE**  
**DIAGRAM**  
Sheet: **E4.07**



1 EXISTING SINGLE LINE DIAGRAM - DEMOLITION  
SCALE: NTS

**GENERAL NOTES**

- SEE SHEETS E0.01, & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SHEET LEGEND**

- DEMOLISH EXISTING ELECTRICAL EQUIPMENT/CABLES

**KEY NOTES**

- DISCONNECT AND DEMOLISH CCR'S AND TRANSFORMERS. PROTECT EXISTING CONTROL WIRES IN PLACE AND RECONNECT CONTROL WIRES (COPPER) TO THE NEW CONSTANT CURRENT REGULATORS.

No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: FILE NAME

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Checked: JP  
Approved: DL

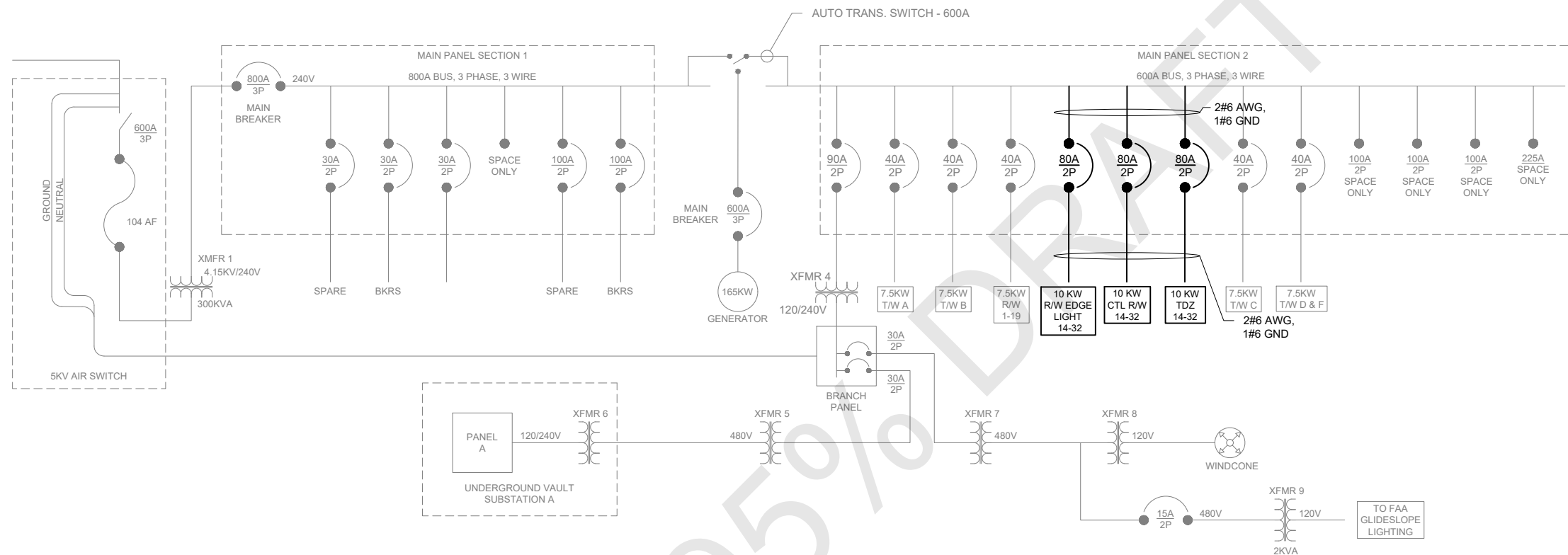
**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**DEMO SINGLE LINE DIAGRAM**

Sheet: **E4.08**

**GENERAL NOTES**

- SEE SHEETS E0.01, & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



1 NEW SINGLE LINE DIAGRAM  
SCALE: NTS

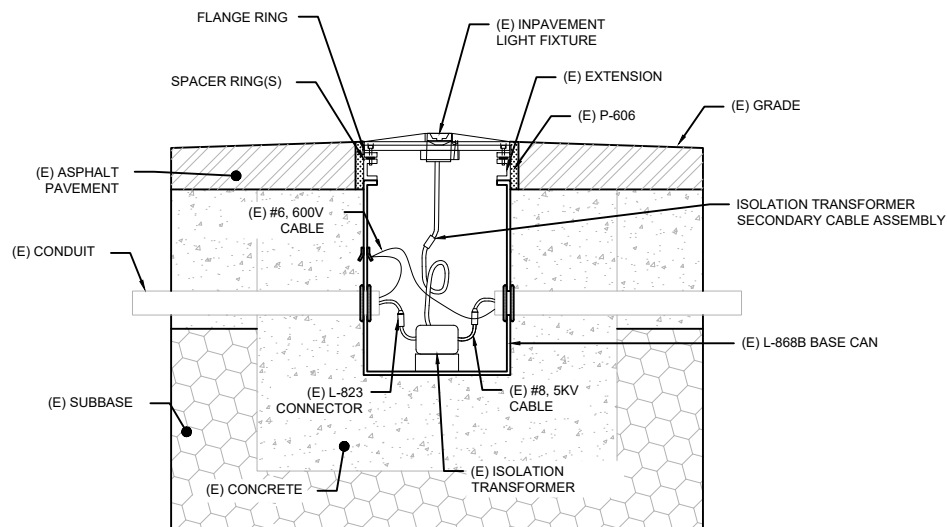
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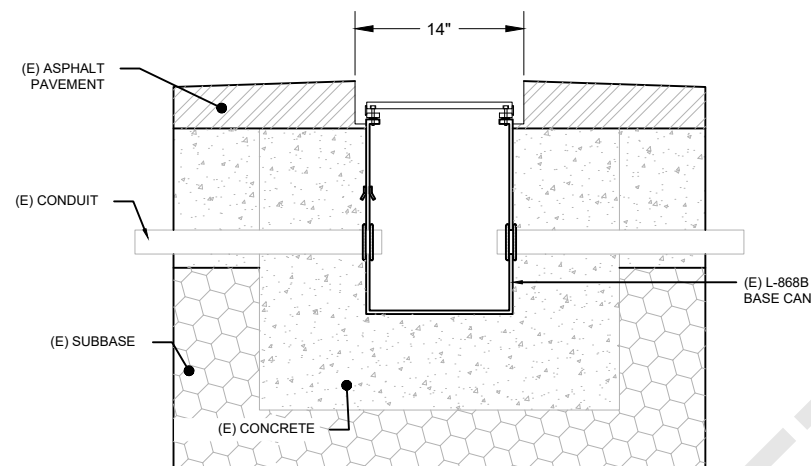
**NEW SINGLE LINE DIAGRAM**



1A STEP 1: REMOVE LIGHT FIXTURE  
SCALE: NTS

**STEP 1 NOTES:**

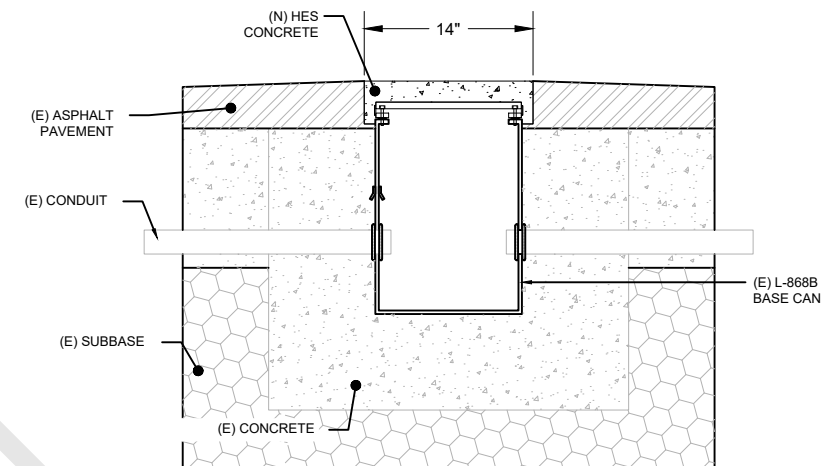
1. REMOVE EXISTING LIGHT FIXTURE & FLANGE RING. REMOVE EXISTING TRANSFORMER AND CABLES.
2. MEASURE EXTENSION & SPACER PACKAGE DEPTH, AND ORDER NEW EXTENSION ACCORDINGLY.
3. PRIOR TO REMOVAL OF EXTENSION, INSTALL COVER PLATE.



1B STEP 2: CORE AND REMOVE FIXTURE  
SCALE: NTS

**STEP 2 NOTES:**

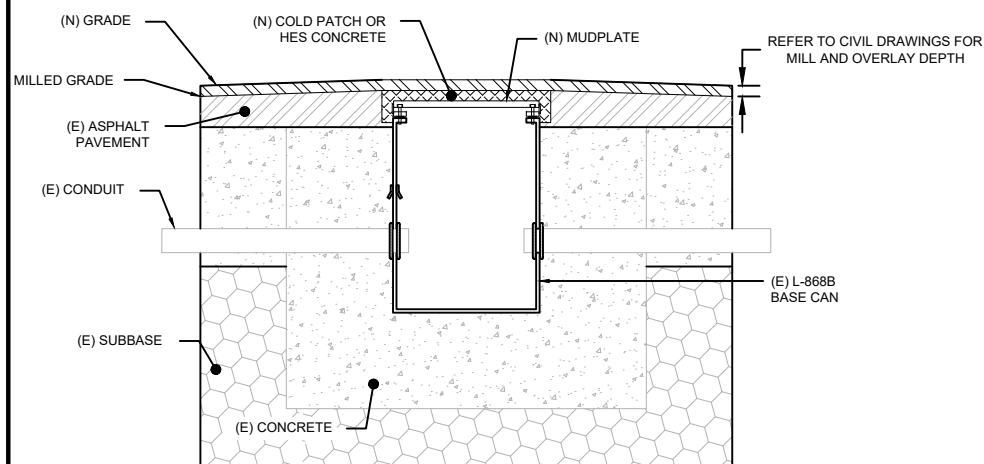
1. CORE 14" DIAMETER HOLE TO DEPTH REQUIRED TO REMOVE EXISTING EXTENSION.
2. INSTALL MUD PLATE.
3. CONTINUE TO DETAIL 1B-A, OTHERWISE CONTINUE TO DETAIL 1C.



1B-A STEP 2: BACKFILL WITH CONCRETE  
SCALE: NTS

**STEP 2A NOTES:**

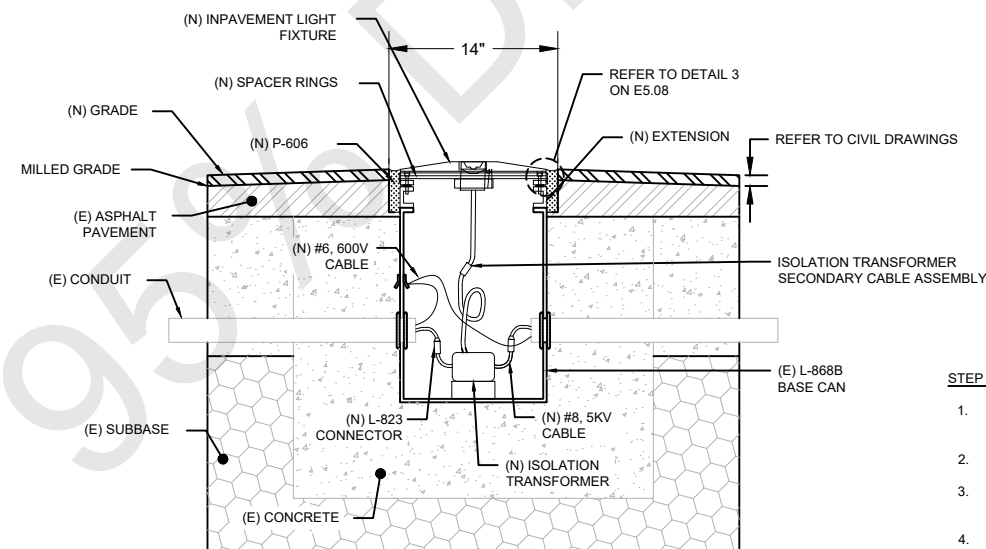
1. CLEAN VOID AND BACKFILL WITH HES TO EXISTING GRADE AT THE END OF EACH MMC SHIFT OR NIGHT SHIFT.



1C STEP 3: ASPHALT MILL & OVERLAY  
SCALE: NTS

**STEP 3 NOTES:**

1. CLEAN VOID AND BACKFILL WITH COLD PATCH.
2. REFER TO CIVIL DRAWINGS FOR DEPTHS OF ASPHALT MILL AND NEW ASPHALT OVERLAY.



1D STEP 4: FIXTURE & EXTENSION INSTALLATION  
SCALE: NTS

**STEP 4 NOTES:**

1. AFTER LIGHTS AND EXTENSIONS ARE ON SITE, CORE A 14" DIAMETER HOLE AND REMOVE DEBRIS FROM HOLE USING A VACUUM AND PRESSURE SPRAY.
2. REMOVE MUD PLATE.
3. INSTALL NEW EXTENSION AND SPACER PACKAGE. REFER TO DRAWING E5.08 FOR ELEVATION REQUIREMENTS AND ADDITIONAL INSTALLATION DETAILS.
4. APPLY P-606 EPOXY AROUND ANNULAR SPACE.
5. INSTALL LIGHT FIXTURE AND ISOLATION TRANSFORMER.
6. INTERNAL GROUNDING CABLE MUST BE TERMINATED USING CRIMPING TYPE COMPRESSION LUGS.

1 NEW INPAVEMENT LIGHT AND EXTENSION ON EXISTING BASE CAN  
SCALE: NTS

**NOTE:**

1. THIS DETAIL COVERS REMOVAL WORK FOR BASE CANS WITH 1 EXTENSION AND SPACER RINGS.

**GENERAL NOTES**

1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

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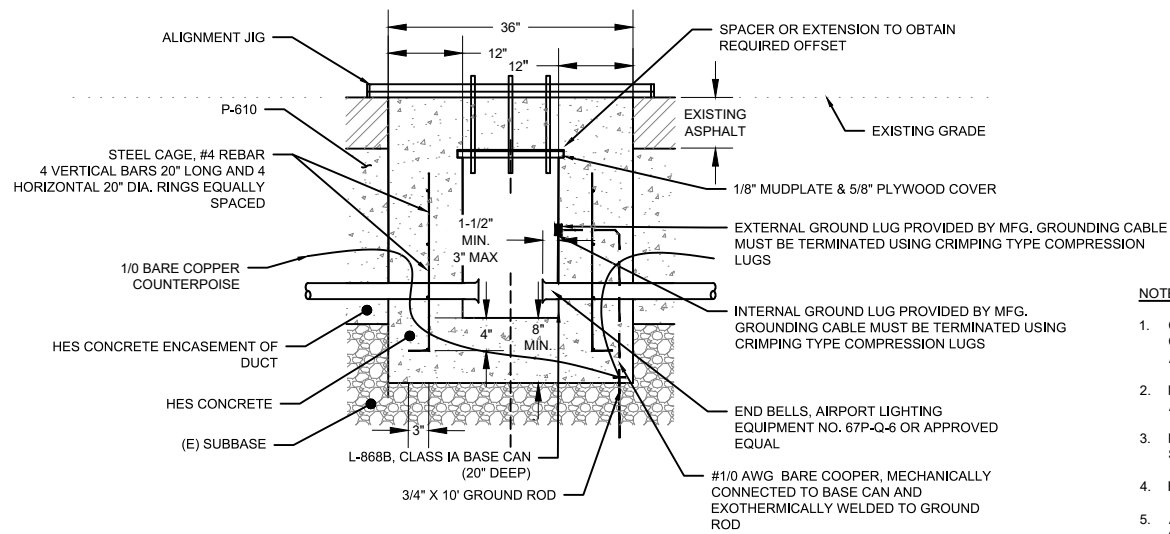
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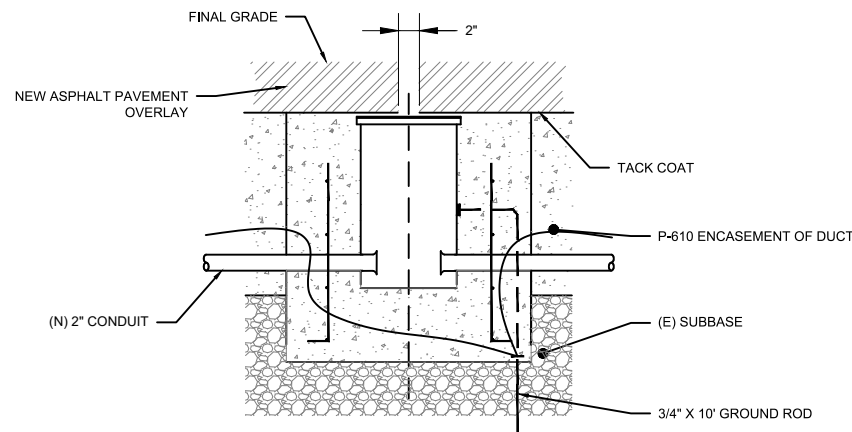
**ELECTRICAL**  
**DETAIL 1**

Sheet: **E5.01**

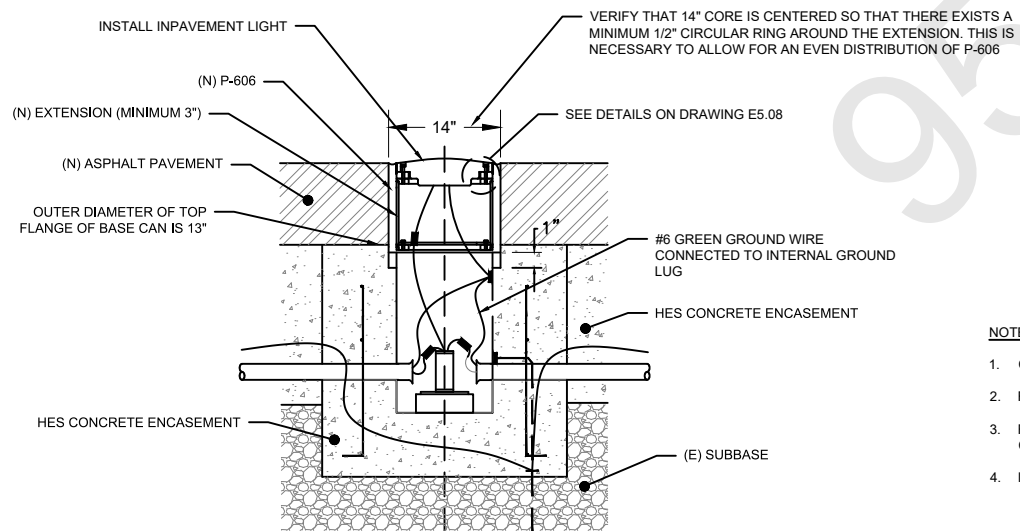




1A STEP 1  
SCALE: NTS



1B STEP 2  
SCALE: NTS



1C STEP 3  
SCALE: NTS

**NOTES FOR STEP 1:**

1. CORE 36" HOLE. PRIOR TO MILLING OPERATIONS, INSTALL BASE CAN SO THAT A MINIMUM 3" (MAXIMUM 6") EXTENSION WILL BE USED IN FINAL CONFIGURATION. COORDINATE WITH GENERAL CONTRACTOR THE FINAL PAVEMENT GRADE TO OBTAIN REQUIRED EXTENSION HEIGHT. USE ALIGNMENT JIG AS SUPPLIED BY JAQUITH (AW9100) OR APPROVED EQUAL. BASE CAN MAY NEED TO BE INSTALLED BELOW MILLED SURFACE TO ENSURE COMPLIANCE.
2. INSTALL STEEL REINFORCEMENT CAGE AND POSITION BASE CAN. STUB CONDUITS INTO BASE CAN. ADJUSTMENTS TO CONDUIT LOCATION SHALL BE ACCOMPLISHED USING A MINIMUM BEND RADIUS PER NEC.
3. POUR HES CONCRETE TO EXISTING GRADE AND ALLOW TO CURE PER MFG'S RECOMMENDATIONS. USE BOLTS TO SECURE ALIGNMENT JIG TO MILLED SURFACE SO JIG DOESN'T MOVE DURING CONCRETE POUR.
4. REMOVE ALIGNMENT JIG AND RE-INSTALL MUD-PLATE AND PLYWOOD COVER.
5. AFTER POURING, VERIFY LOCATION AND AZIMUTH OF BASE CAN. CANS NOT INSTALLED CORRECTLY SHALL BE REMOVED AND NEW CAN TO BE INSTALLED AT CONTRACTOR'S OWN EXPENSE. AZIMUTH CORRECTION RING WILL NOT BE ALLOWED.

**NOTES FOR STEP 2:**

1. MILL AS REQUIRED ON CIVIL PLANS.
2. BEFORE PAVING, CONTRACTOR SHALL APPLY TACK COAT.
3. IT IS POSSIBLE THAT DEPTH OF ASPHALT SURFACE AROUND BASE IS SLIGHTLY DEEPER AROUND THE CAN THAN IN OTHER LOCATIONS. CONTRACTOR SHALL TAKE SPECIAL CARE IN COMPACTING THIS AREA PROPERLY.
4. AFTER PAVEMENT OVERLAY, CORE A MAXIMUM 2" DIAMETER HOLE TO LOCATE CENTER OF CAN AND REMOVE CORE.
5. MEASURE AND INSTALL EXTENSION. PROVIDE HEIGHT OF EXTENSION TO ENGINEER AS PART OF SHOP DRAWING. THE EXTENSION SHALL BE NO LESS THAN 3" BUT NO MORE THAN 6". NOTE, THE HEIGHT AT THE MIDDLE OF THE FIXTURE MAY BE 1/8" TALLER THAN THE ELEVATION OF THE FIXTURE ON THE LOW SIDE OF THE PAVEMENT. TAKE THIS INTO ACCOUNT WHEN PERFORMING CALCULATIONS TO DETERMINE THE EXTENSION HEIGHT.

**NOTES FOR STEP 3:**

1. CORE 14" DIA. HOLE TO 1" BELOW TOP OF BASE CAN.
2. REMOVE MUDPLATE AND PLYWOOD COVER. INSTALL EXTENSION, SPACER RINGS, AND FLANGE/PAVEMENT RING.
3. FILL VOID AROUND EXTENSION WITH P-606. NOTE; CONTRACTOR MAY HAVE TO POUR P-606 TO 2" BELOW FINAL GRADE AS A FIRST LIFT AND THEN AFTER IT HARDENS, THE CONTRACTOR MAY NEED TO POUR ANOTHER LIFT. REFER TO P-606 MANUFACTURING DETAILS.
4. INSTALL FIXTURE, SPACERS AND FLANGE RING AND COMPLETE AS SHOWN IN DETAILS ON E5.08.

1 INPAVEMENT LIGHT FIXTURE WITH NEW EXTENSION ON NEW L-868B BASE CAN  
SCALE: NTS

**GENERAL NOTES**

1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.
2. CONTRACTOR SHALL SCHEDULE WORK TO ENSURE THAT CONCRETE ENCASEMENT OF BASE CAN REACHED MINIMUM OF 3000 PSI AT LEAST 1 HOUR PRIOR TO ANY AIRPLANE TRAFFIC FOR RUNWAY REOPENING.



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
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REHAB RW 14/32 & LIGHTING SYSTEM  
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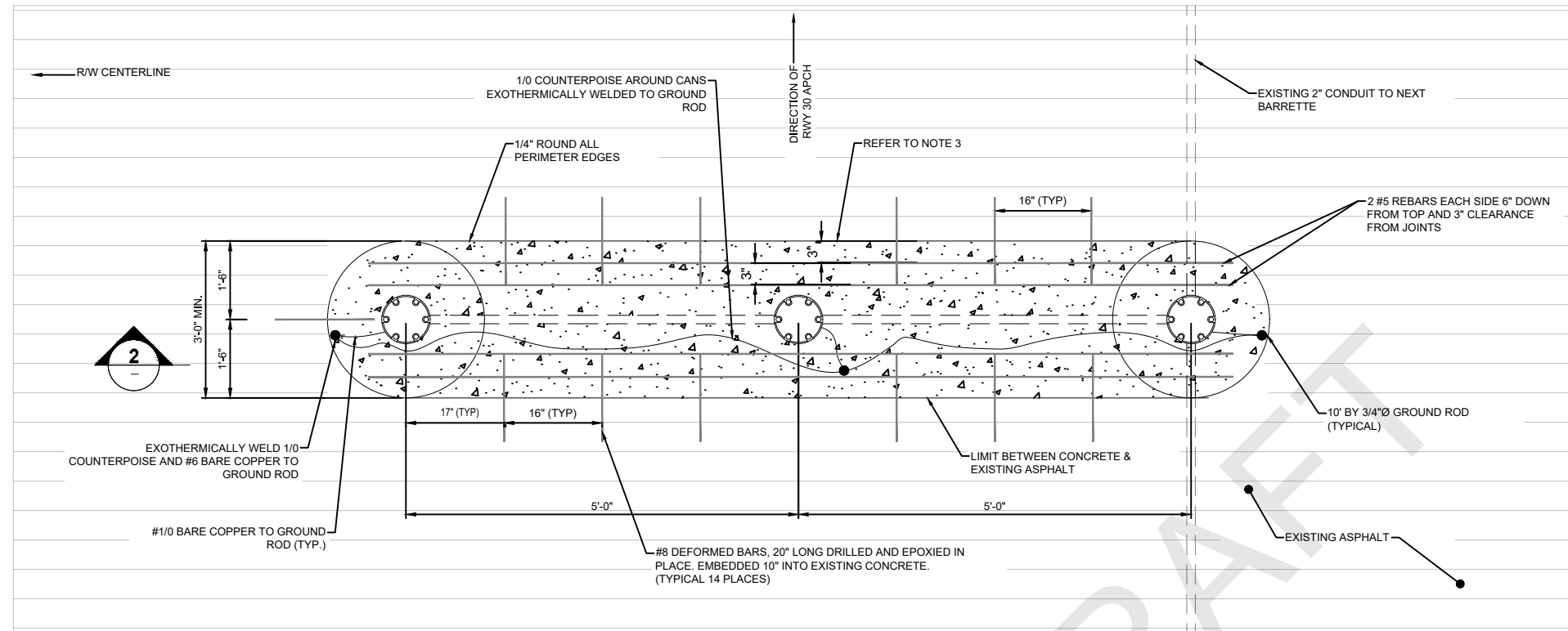
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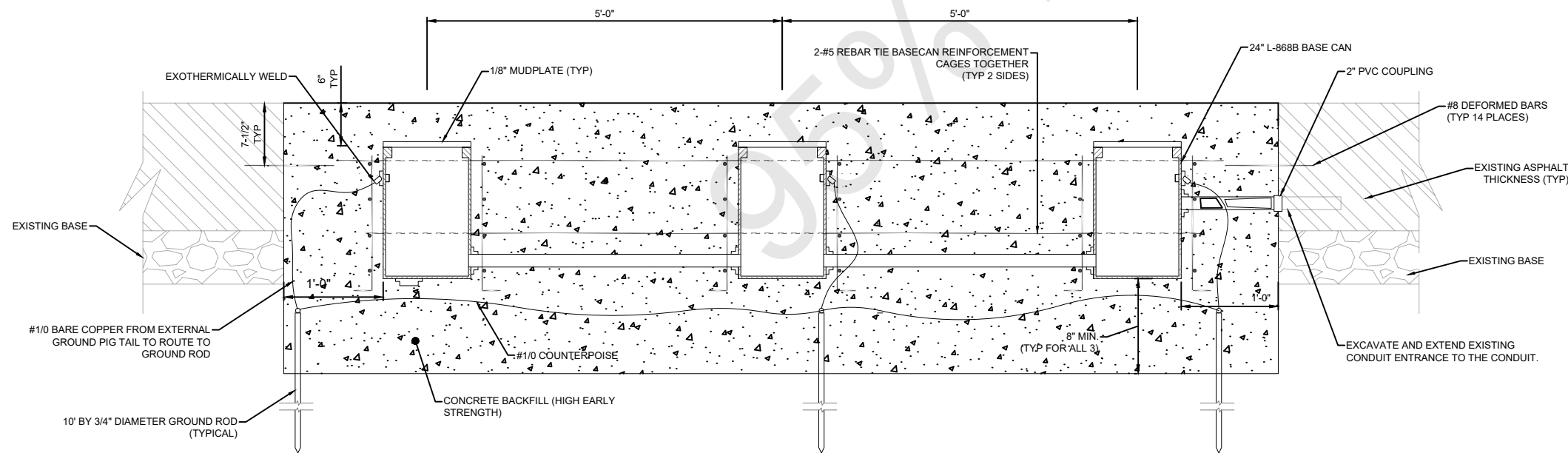
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**NOT FOR CONSTRUCTION**

**ELECTRICAL DETAIL 2**

Sheet: **E5.02**



1 TOUCHDOWN ZONE LIGHT BAR INSTALLATION IN MILLED ASPHALT - STEP 1: NEW L-868B BASE CAN - PLAN VIEW  
SCALE: NTS



2 TOUCHDOWN ZONE LIGHT BAR INSTALLATION IN MILLED ASPHALT - STEP 1: NEW L-868B BASE CAN - ELEVATION  
SCALE: NTS

**GENERAL NOTES**

- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SHEET NOTES**

- CONTRACTOR SHALL SURVEY EXISTING TDZ PRIOR TO REMOVAL.
- ALL EQUIPMENT AND MATERIALS SHALL BE NEW.
- CORE TWO 36" DIAMETER HOLES IN THE EXISTING CONCRETE PAVEMENT CENTERED ON THE TWO OUTSIDE LIGHT FIXTURE OF THE LIGHT BAR. THE DEPTH OF THE CORE SHALL BE APPROXIMATELY 48" TO ACCOMMODATE A 24" BASE CAN AND A 6" TOP SECTION WITH A MINIMUM 18" FOUNDATION.
- SAW CUT THE EXISTING ASPHALT PAVEMENT BETWEEN THE TWO CORE HOLES. ENSURE CUT IS APPROXIMATELY 38" DEEP TO MATCH CORED HOLES.
- ALL LIGHT BASES SHALL BE GROUNDED.
- SET THE LIGHT BASE WITH CONSTRUCTION PLYWOOD COVER & MUD PLATE SUPPLIED WITH THE BASE.
- THE CONTRACTOR SHALL PROVIDE 3/8-16 X 1-1/4" LONG STAINLESS STEEL BOLTS AND STAINLESS STEEL SPLIT LOCK-WASHERS FOR BOLTING MOUNTING RING TO LIGHT BASE, L-868B.
- AFTER CAN HAS BEEN INSTALLED, POUR P-610 CONCRETE BACKFILL (HIGH EARLY STRENGTH) CONCRETE OVER THE BASE CAN. ALLOW SUFFICIENT TIME FOR CONCRETE TO CURE.
- CORE 14" DIAMETER HOLE FOR ALL BASE CANS.
- REMOVE PLYWOOD COVER & MUD PLATE. INSTALL EXTENSION, FIXTURE, FLANGE RING SPACERS AND LIGHT FIXTURE PER DETAIL 2 SHEET E5.04.
- REFER TO DRAWING E2.01 TO E2.08 SERIES FOR CONDUIT ROUTING.
- OMIT THIS DIRECTIONALLY DRILLED CONDUIT ON LEFT OF CENTERLINE TDZ BAR.
- ALL WORK FOR EACH BARRETTE (SET OF 3 TDZ LIGHTS) EXCEPT THE EXTENSION SHALL BE COMPLETED AT EACH CLOSURE TO ALLOW FOR AIRPLANE TRAFFIC. PRE-CORES SHALL NOT BE ALLOWED.
- CONTRACTOR SHALL SCHEDULE WORK TO ENSURE THAT CONCRETE ENCASEMENT OF BASE CAN REACHED MINIMUM OF 3000 PSI AT LEAST 1 HOUR PRIOR TO ANY AIRPLANE TRAFFIC FOR RUNWAY REOPENING.

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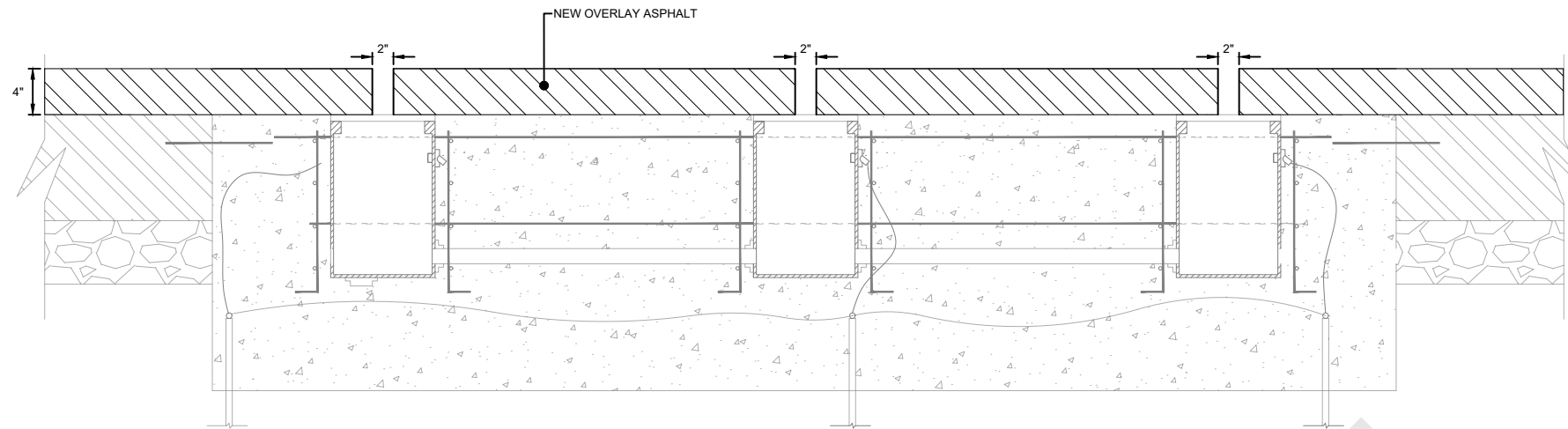
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**PRELIMINARY**  
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**ELECTRICAL DETAIL 3**

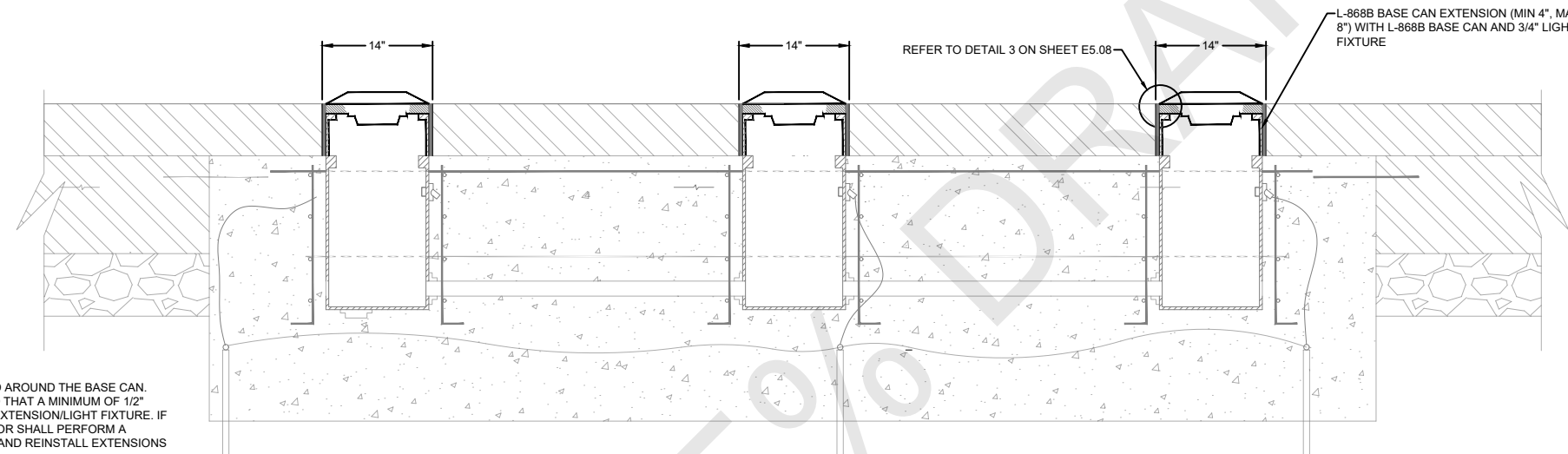
Sheet: **E5.03**



**STEP 1 NOTES:**

1. CORE A 2" HOLE AIMED FOR THE CENTER OF THE BASE CAN
2. MEASURE FOR EXTENSION AND FILL CORE HOLE IN WITH GROUT.

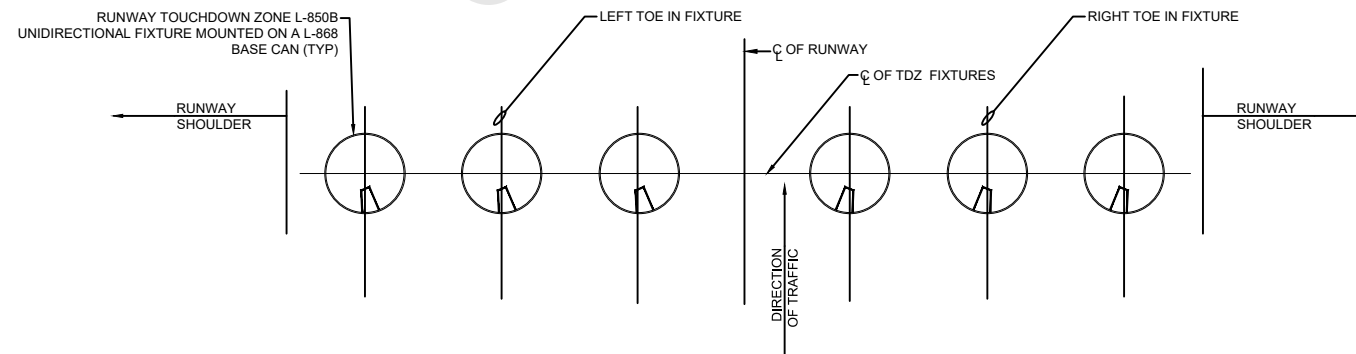
**1 TOUCHDOWN ZONE LIGHT BAR INSTALLATION IN MILLED ASPHALT - STEP 2: MILL AND OVERLAY & EXPLORATORY CORE**  
SCALE: NTS



**STEP 2 NOTES:**

1. CORE 14" DIAMETER HOLE CENTERED AROUND THE BASE CAN. NOTE, CORE SHALL BE CENTERED SO THAT A MINIMUM OF 1/2" P-606 CAN BE PLACED AROUND THE EXTENSION/LIGHT FIXTURE. IF CORE IS NOT CENTERED, CONTRACTOR SHALL PERFORM A SPECIAL 15" AROUND THE BASE CAN AND REINSTALL EXTENSIONS AS REQUIRED.
2. REMOVE THE 14" DIAMETER CORE. IF THE 14" DIAMETER CORE CANNOT BE REMOVED AS ONE PIECE, USE AN IMPACT CHISEL TO BREAK THE CORE INTO REMOVABLE PIECES.
3. REMOVE ALL DEBRIS AND EXCESS DUST FROM THE CORE HOLE AND VACUUM CLEAN.
4. REMOVE MUD PLATE AND COVER FROM THE LIGHT BASE.
5. UNCAP ISOLATIONS TRANSFORMER SECONDARY CABLE ASSEMBLY LEAD AND CONNECT TO EXISTING LIGHT FIXTURE.
6. INSTALL EXTENSION, SPACER PACKAGE, FIXTURE AND MAKE FINAL CONNECTIONS AS REQUIRED.

**2 TOUCHDOWN ZONE LIGHT BAR INSTALLATION IN MILLED ASPHALT - STEP 3: INSTALL EXTENSION, LIGHT FIXTURE, & LIGHTING APPURTENANCES**  
SCALE: NTS



**3 RUNWAY TOUCHDOWN ZONE LIGHTING TYPICAL CONFIGURATION**  
SCALE: NTS

**DETAIL 3 NOTES:**

1. TDZ LIGHT BAR STATIONS ARE LOCATED AT 100 FOOT NOMINAL SPACING.
2. REFER TO PLANS AND LIGHT FIXTURE SCHEDULE FOR LOCATION OF THE TDZ LIGHT BAR STATIONS.

**GENERAL NOTES**

1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SHEET NOTES**

1. CONTRACTOR SHALL SURVEY EXISTING TDZ PRIOR TO REMOVAL.
2. ALL EQUIPMENT AND MATERIALS SHALL BE NEW.
3. CORE TWO 36" DIAMETER HOLES IN THE EXISTING CONCRETE PAVEMENT CENTERED ON THE TWO OUTSIDE LIGHT FIXTURE OF THE LIGHT BAR. THE DEPTH OF THE CORE SHALL BE APPROXIMATELY 48" TO ACCOMMODATE A 24" BASE CAN AND A 6" TOP SECTION WITH A MINIMUM 18" FOUNDATION.
4. SAW CUT THE EXISTING ASPHALT PAVEMENT BETWEEN THE TWO CORE HOLES. ENSURE CUT IS APPROXIMATELY 38" DEEP TO MATCH CORED HOLES.
5. ALL LIGHT BASES SHALL BE GROUNDED.
6. SET THE LIGHT BASE WITH CONSTRUCTION PLYWOOD COVER & MUD PLATE SUPPLIED WITH THE BASE.
7. THE CONTRACTOR SHALL PROVIDE 3/8-16 X 1-1/4" LONG STAINLESS STEEL BOLTS AND STAINLESS STEEL SPLIT LOCK-WASHERS FOR BOLTING MOUNTING RING TO LIGHT BASE, L-868B.
8. AFTER CAN HAS BEEN INSTALLED, POUR P-610 CONCRETE BACKFILL (HIGH EARLY STRENGTH) CONCRETE OVER THE BASE CAN. ALLOW SUFFICIENT TIME FOR CONCRETE TO CURE.
9. CORE 14" DIAMETER HOLE FOR ALL BASE CANS.
10. REMOVE PLYWOOD COVER & MUD PLATE. INSTALL EXTENSION, FIXTURE, FLANGE RING SPACERS AND LIGHT FIXTURE PER DETAIL 2 THIS SHEET.
11. REFER TO DRAWING E2.01 - E2.08 SERIES FOR CONDUIT ROUTING.
12. OMIT THIS DIRECTIONALLY DRILLED CONDUIT ON LEFT OF CENTERLINE TDZ BAR.
13. ALL WORK FOR EACH BARRETTE (SET OF 3 TDZ LIGHTS) EXCEPT THE EXTENSION SHALL BE COMPLETED AT EACH CLOSURE TO ALLOW FOR AIRPLANE TRAFFIC. PRE-CORES SHALL NOT BE ALLOWED.
14. CONTRACTOR SHALL SCHEDULE WORK TO ENSURE THAT CONCRETE ENCASEMENT OF BASE CAN REACHED MINIMUM OF 3000 PSI AT LEAST 1 HOUR PRIOR TO ANY AIRPLANE TRAFFIC FOR RUNWAY REOPENING.



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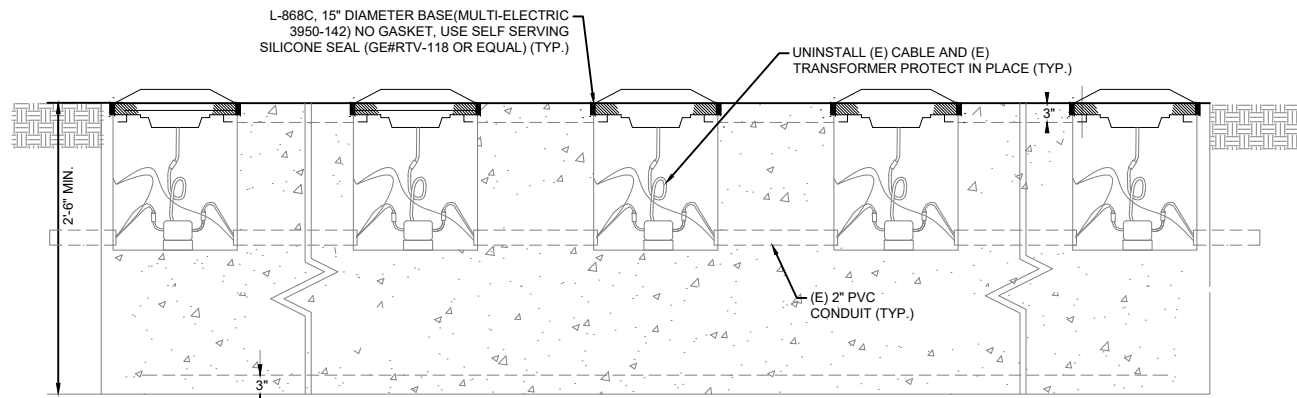
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**ELECTRICAL**  
**DETAIL 4**

Sheet: **E5.04**

**GENERAL NOTES**

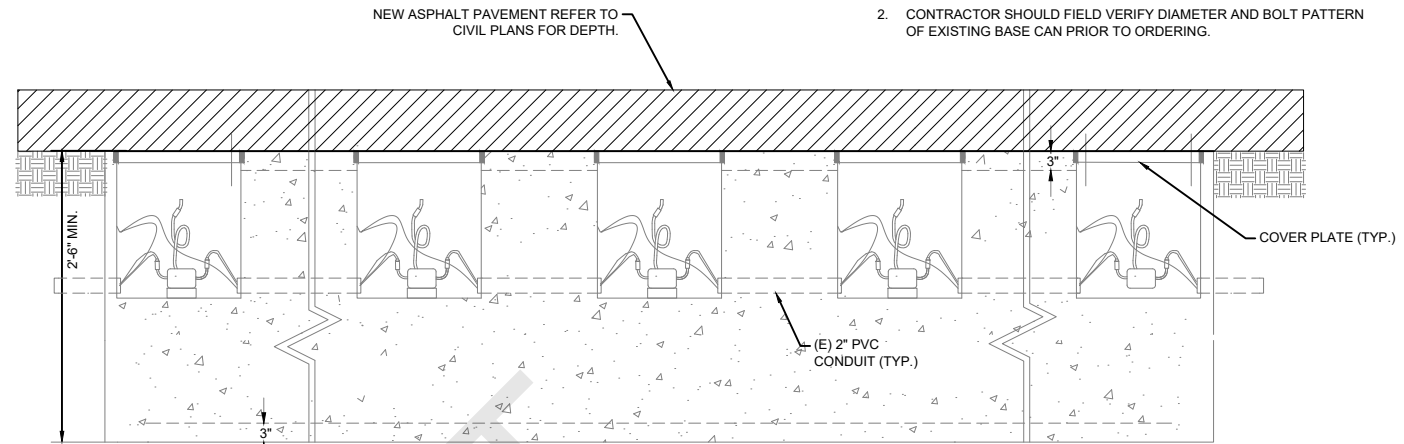
1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.
2. CONTRACTOR SHOULD FIELD VERIFY DIAMETER AND BOLT PATTERN OF EXISTING BASE CAN PRIOR TO ORDERING.



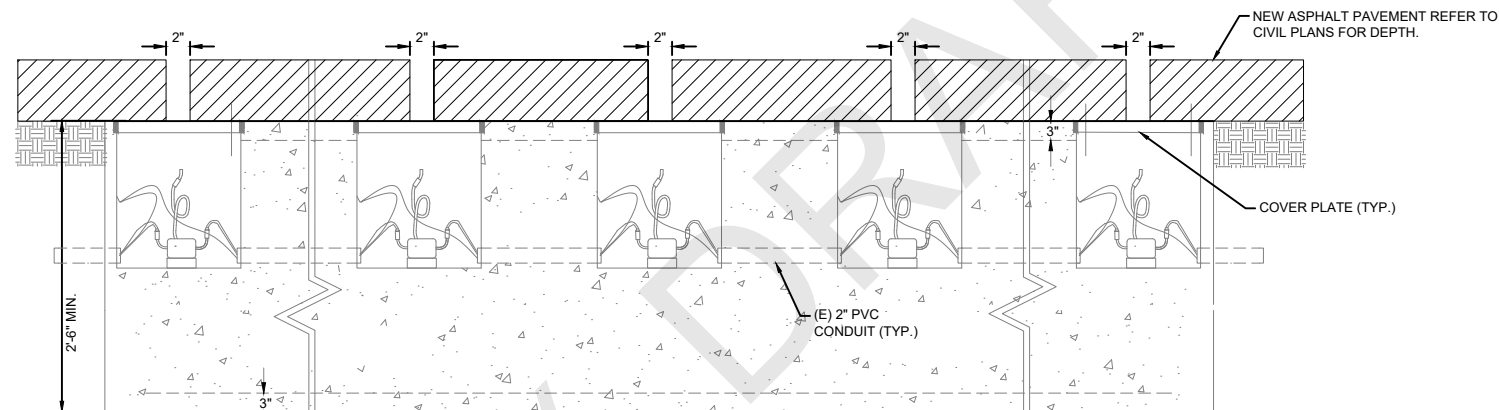
1A STEP 1  
SCALE: NTS

**STEP 1 NOTE:**

1. DURING MOBILIZATION CONTRACTOR SHALL FIELD VERIFY EXISTING BASE CAN DIMENSIONS AND BOLT PATTERN AND SHALL ORDER EXTENSION TYPE, HEIGHT, AND BOLT PATTERN ACCORDINGLY. PROVIDE SHOP DRAWING TO ENGINEER FOR REVIEW.
2. REMOVE EXISTING MALSr LIGHTS FROM BASE CAN AND INSTALL COVER PLATE TO PROTECT EXISTING BASE CAN, TRANSFORMER, AND CABLES.



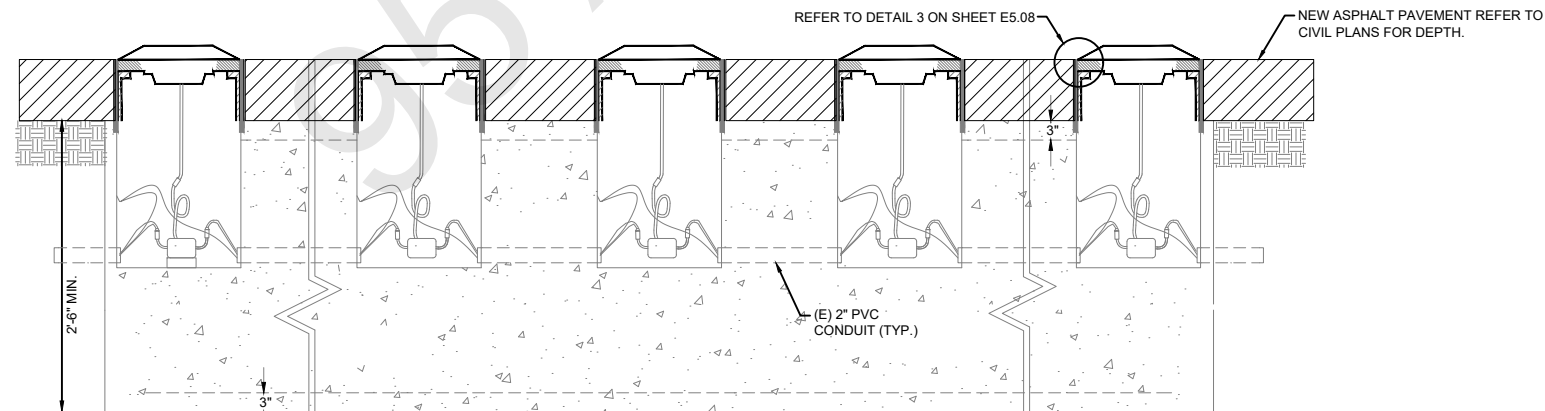
1B STEP 2  
SCALE: NTS



1C STEP 3  
SCALE: NTS

**STEP 3 NOTES:**

1. CORE A 2" HOLE AIMED FOR THE CENTER OF THE BASE CAN.
2. MEASURE FOR EXTENSION AND FILL CORE IN WITH GROUT.



1D STEP 4  
SCALE: NTS

**STEP 4 NOTES:**

1. REINSTALL EXISTING MALSr LIGHT ON NEW 16" EXTENSION ON EXISTING BASE CAN.
2. RECONNECT EXISTING TRANSFORMER TO THE LIGHT FIXTURE.
3. COORDINATE WITH FAA FOR TESTING AND COMMISSIONING OF MALSr LIGHTS.

- 1 REINSTALL EXISTING INPAVEMENT MALSr LIGHT WITH NEW EXTENSION ON EXISTING BASE CAN  
SCALE: NTS

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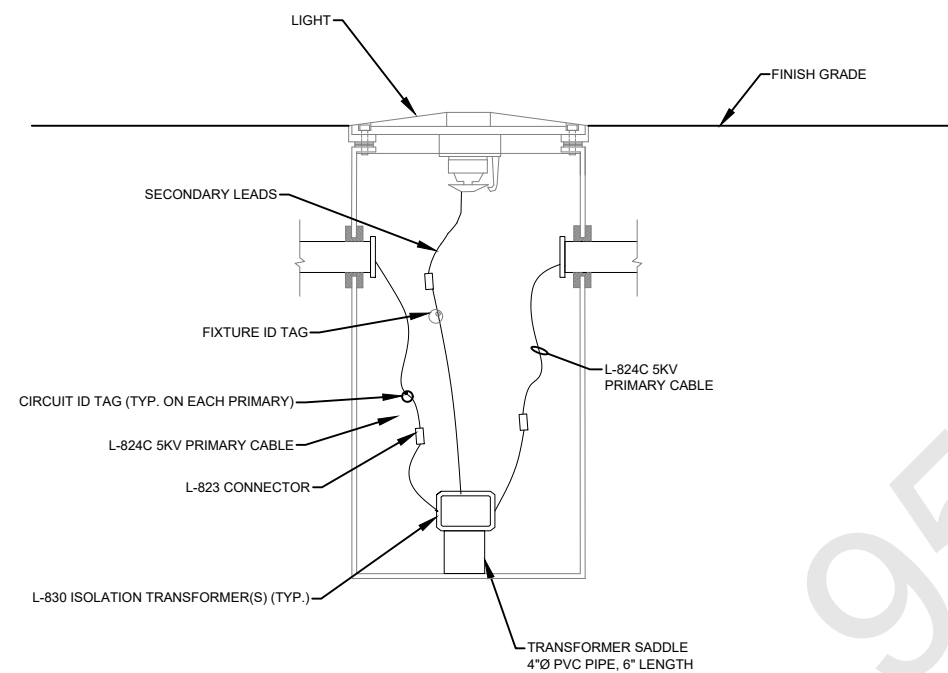
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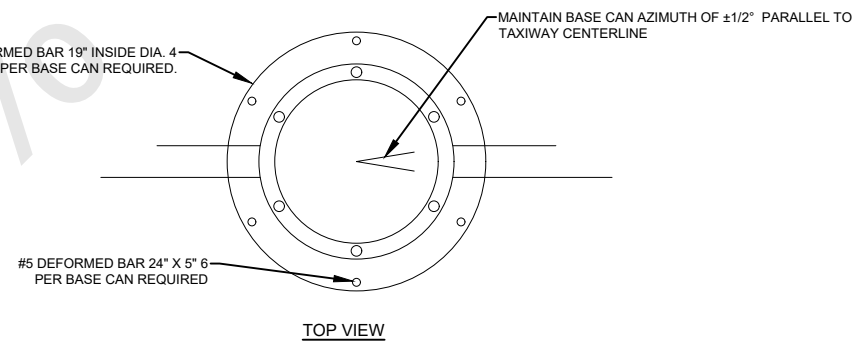
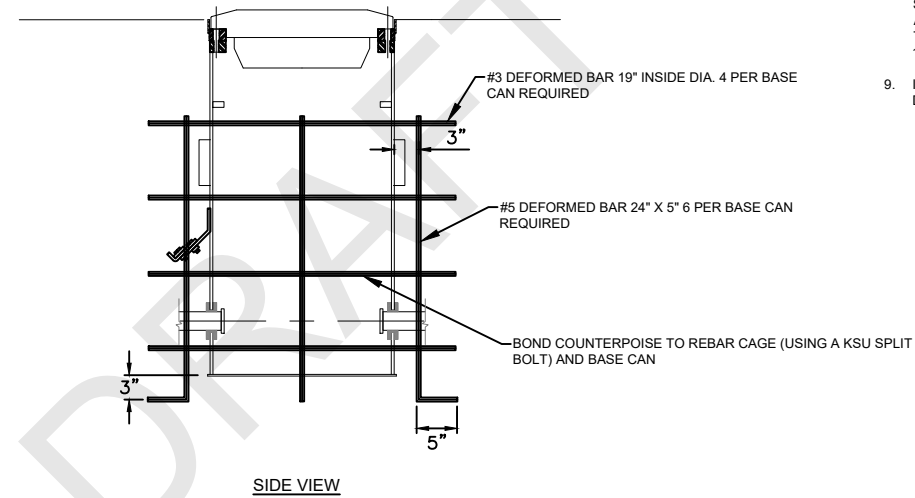
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**ELECTRICAL DETAIL 5**

Sheet: **E5.05**



1 RWY CENTERLINE LIGHT INSTALLATION - DETAIL SINGLE TRANSFORMER FOR SINGLE CIRCUIT  
SCALE: NTS



2 REBAR DETAIL FOR L-868B BASE CAN  
SCALE: NTS

**GENERAL NOTES**

1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SHEET NOTES**

1. REMOVE EXISTING LIGHT FIXTURE AND CLEAN AND PREP FOR INSTALLATION OF NEW LIGHT.
2. REMOVE AND DISCARD CABLE, CONNECTORS, ISOLATION TRANSFORMER AND GROUND CONNECTIONS.
3. TOP OF CAN SHOULD BE CLEANED OF DEBRIS UTILIZING COMPRESSED AIR, INCLUDING BLOWING OUT DEBRIS FROM ALL BOLT HOLES. ALL BOLT HOLES SHALL BE BRUSHED OUT USING WEILER P/N#3H707 OR APPROVED EQUAL OR TAPPED PRIOR TO INSTALLATION OF NEW BOLTS.
4. WASH AND VACUUM ALL DEBRIS FROM INSIDE EXISTING BASE CAN.
5. CLEAN AND MANDREL EXISTING CONDUIT.
6. IF CONDUIT IS PROTRUDING MORE THAN 1.5", CUT CONDUIT AND INSTALL NEW BELL END (TYP.).
7. INSTALL NEW CABLE, CONNECTORS, ISOLATION TRANSFORMER, TRANSFORMER SADDLE, CABLE TAGS, CONDUIT BELL END AND GROUND CONNECTIONS.
8. REINSTALL LIGHT FIXTURE WITH NEW SAE J429 GRADE 5 CARBON STEEL, ANTI-CORROSION BOLTS (MFG. BY GBA COMPONENTS OR APPROVED EQUAL) AND WASHERS. ANTI-SEIZE MUST BE APPLIED THOROUGHLY TO THE ENTIRE BOLT THREAD UP TO A MAXIMUM OF 1/2" BELOW THE BOLT HEAD.
9. IF REQUIRED, RETROFIT GROUND LUG IN (E) BASE CAN. REFER TO DETAIL 1 SHEET E5.07.



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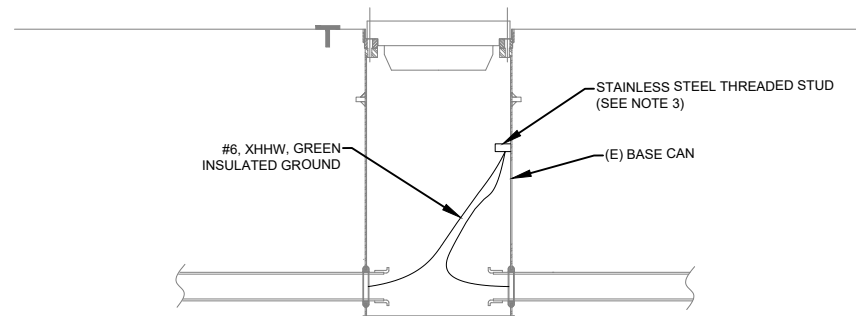
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**ELECTRICAL DETAIL 6**

Sheet: **E5.06**

**GENERAL NOTES**

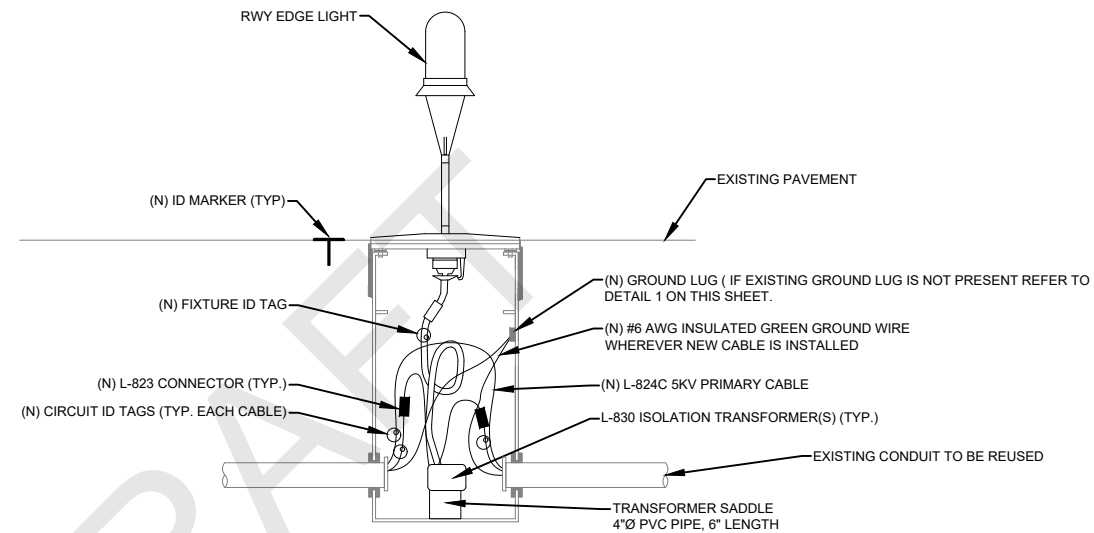
- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



**NOTES:**

- LENGTH OF #6 INSULATED GROUND CONDUCTOR SHALL BE OF SUFFICIENT LENGTH TO ALLOW THE INSET OR ELEVATED LIGHT FIXTURE OR BASE PLATE TO BE EASILY SET ASIDE WITHOUT REMOVAL.
- VACUUM OUT ANY DEBRIS AND METAL SHAVINGS FROM THE BOTTOM OF THE CAN.
- INSTALL A 3/8" STAINLESS STEEL THREADED STUD (PRIOR TO INSTALLATION OF NEW CABLE) BY MEANS OF AN ARC STUD WELDING GUN, HBS A12 OR APPROVED EQUAL. AFTER WELDING THE STUD, THE CONTRACTOR SHALL COLD GALVANIZE THE INSIDE WALL OF THE BASE CAN AROUND THE STUD WELD. INSTALL COMPRESSION TERMINAL ON XHHW TO CONNECT TO STUD. PROVIDE BURNDY YA6CTC38 OR APPROVED EQUAL.
- CONTRACTOR SHALL ASSUME THAT ALL BASE CANS REQUIRE GROUND LUG RETROFIT. COST FOR THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT WITH NO SEPARATE PAYMENT.
- IF BASE CANS ARE PVC, CONTRACTOR SHALL TAP METAL TOP RING AND INSTALL CRIMP LUG ON BOTTOM SIDE OF THE TOP RING AND GROUND TO #6 INSULATED GREEN GROUND.
- DETAIL APPLIES TO BASE CANS FOR BOTH ELEVATED AND IN-PAVEMENT FIXTURES.

**1** RETROFIT EXISTING BASE CAN DETAIL  
SCALE: NTS



**NOTES:**

- REMOVE EXISTING BASE PLATE AND ELEVATED LIGHT FIXTURE. CLEAN AND PREP FOR REINSTALLATION.
- REMOVE AND DISCARD CABLE, CONNECTORS, ISOLATION TRANSFORMER AND GROUND CONNECTIONS.
- TOP OF CAN SHOULD BE CLEANED OF DEBRIS UTILIZING COMPRESSED AIR, INCLUDING BLOWING OUT DEBRIS FROM ALL BOLT HOLES. ALL BOLT HOLES SHALL BE BRUSHED OUT USING WEILER P/N#3H707 OR APPROVED EQUAL OR TAPPED PRIOR TO INSTALLATION OF NEW BOLTS.
- WASH AND VACUUM ALL DEBRIS FROM INSIDE (E) BASE CAN.
- CLEAN AND MANDREL (E) CONDUIT.
- IF CONDUIT IS PROTRUDING MORE THAN 1.5", CUT CONDUIT AND INSTALL NEW BELL END (TYP.).
- INSTALL NEW CABLE, CONNECTORS, ISOLATION TRANSFORMER, TRANSFORMER SADDLE, CABLE TAGS, BELL END AND GROUND CONNECTIONS.
- INSTALL NEW LED LIGHT FIXTURE WITH NEW SAE J429 GRADE 5 CARBON STEEL, ANTI-CORROSION BOLTS (MFG. BY GBA COMPONENTS OR APPROVED EQUAL) AND WASHERS. ANTI-SEIZE MUST BE APPLIED THOROUGHLY TO THE ENTIRE BOLT THREAD UP TO A MAXIMUM OF 1/2" BELOW THE BOLT HEAD.
- IF REQUIRED, RETROFIT GROUND LUG IN (E) BASE CAN. REFER TO DETAIL 1 THIS SHEET.

**2** TYPICAL ELEVATED LIGHT INSTALLATION DETAIL (RWY EDGE)  
SCALE: NTS

No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: FILE NAME

Drawn: FM  
Checked: JP  
Approved: DL

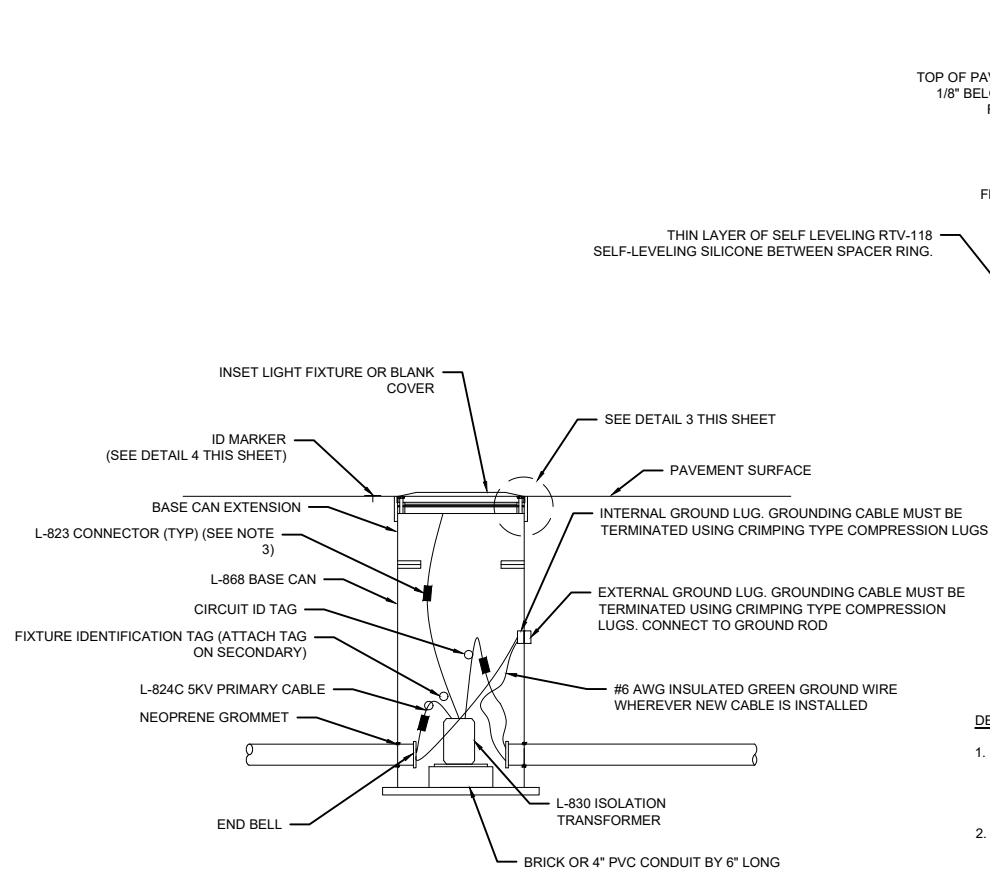
**PRELIMINARY**  
**NOT FOR**  
**CONSTRUCTION**

**ELECTRICAL**  
**DETAIL 7**

Sheet: **E5.07**

**GENERAL NOTES**

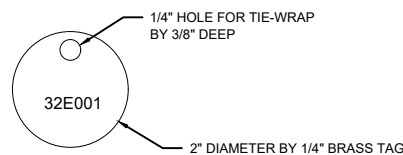
- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



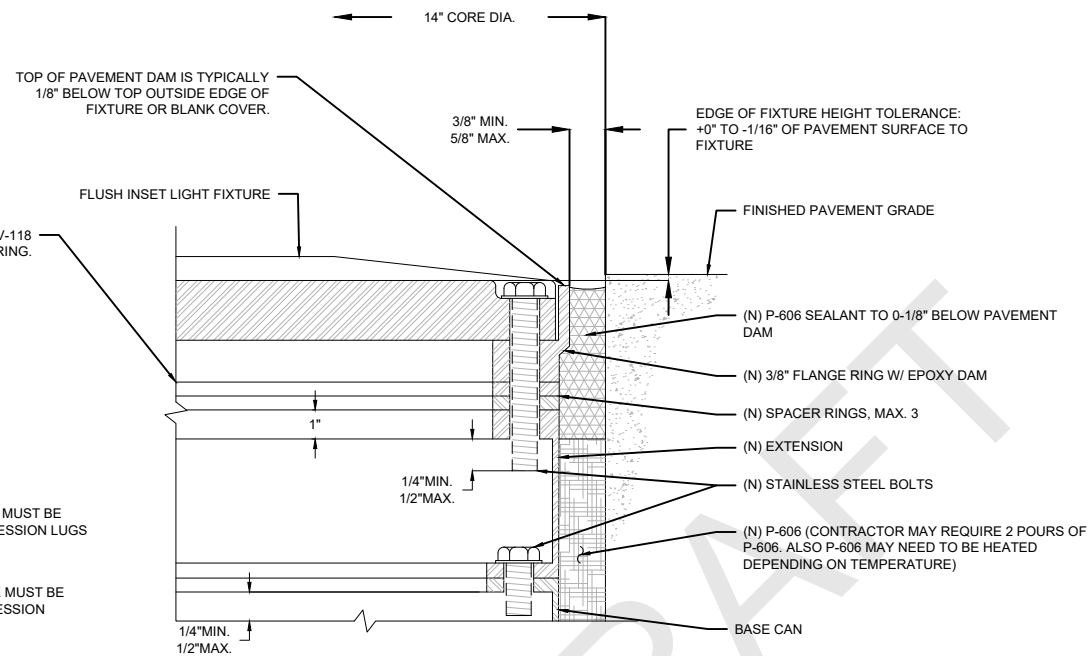
**DETAIL 1 NOTES:**

- INSTALL TRANSFORMER (SIZE AND NUMBER AS SHOWN ON FIXTURE SCHEDULE), CONNECTORS, FIXTURE ID TAGS, AND CIRCUIT ID TAGS AS SHOWN.
- APPLY COATAX OR SIMILAR MATERIAL TO ALL SECONDARY ELECTRICAL CONNECTIONS AND FIXTURES.

**1 TYPICAL INPAVEMENT FIXTURE INSTALLATION DETAIL - MISC.**  
SCALE: NTS



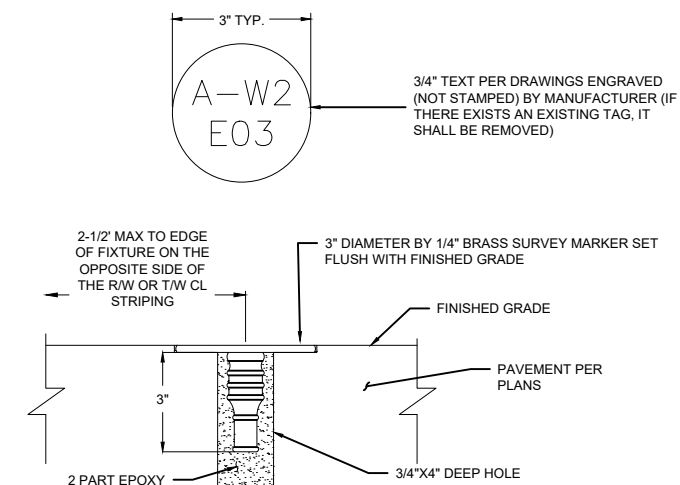
**2 FIXTURE ID TAG INSIDE LIGHT BASE**  
SCALE: NTS



**DETAIL 3 NOTES:**

- AFTER REMOVING 14" CORE, REMOVE THE PLYWOOD COVER & MUD-PLATE ALONG WITH ANY DIRT, GRIT AND OTHER MATERIAL, WHICH MAY HAVE SEEPED INTO THE BASE CAN. INSTALL CABLE (PROVIDE 3' FEET OF SLACK FOR CONNECTIONS AS MEASURED FROM THE GROUND), BRICK, ISOLATION TRANSFORMER(S), AND TAGS AND MAKE ALL NECESSARY SPLICES.
- INSTALL BASIC SPACER PACKAGE (INCLUDING SPACER RINGS AND FLANGE RING WITH PAVEMENT DAM) OF APPROPRIATE THICKNESS AND NUMBER TO ENSURE THAT THE TOP OUTSIDE EDGE OF THE FIXTURE (OR 3/4" COVER PLATE) IS +0" TO -1/16" WITH RESPECT TO FINISHED GRADE. INSTALL O-RING AND PROVIDE A THIN LAYER OF SELF-LEVELING SILICONE BETWEEN THE SPACER RINGS, FLANGE, AND TOP SECTION. ENSURE THAT SILICONE DRIES ENOUGH OR IS CLEANED FROM SURFACE TO ENSURE THAT NO SEALER GETS ON THE STAINLESS STEEL BOLTS DURING FIXTURE PLACEMENT.
- FILL VOID AROUND THE BASE CAN WITH P-606 SEALER COMPOUND UP TO 1/8" BELOW TOP OF FLANGE RING WITH EPOXY DAM. REMOVE ANY P-606 THAT HAS POURED OVER THE EPOXY DAM.
- THE BASIC PACKAGE FOR L-868B BASE CANS SHALL INCLUDE: 1 EA 3/8" FLANGE RING WITH PAVEMENT DAM, 1 EA 1/4" SPACER RING, 1 EA 1/8" SPACER RING, AND AN ADDITIONAL SPACER RING AS REQUIRED TO MEET FINAL GRADE (MAX. 1" TO MIN. 1/16" THICK). NO MORE THAN 3 SPACER RINGS SHALL BE USED TO ACHIEVE FINAL GRADE.
- GROUNDING: CONNECT #6 AWG GROUND WIRE TO INTERNAL GROUND LUG IN EVERY BASE CAN.
- IN ORDER TO MAINTAIN TIMELY COMPLETION OF THE PHASING, CONTRACTOR SHALL HAVE A MINIMUM OF SPARE MATERIAL SUCH AS TRANSFORMERS, SPACER RINGS OF VARIOUS SIZES, SPLICE KITS, CABLE, AND ALL OTHER ACCESSORIES AT THE JOB SITE AT ALL TIMES.
- CONTRACTOR SHALL FURNISH BOLTS WITH VARYING LENGTHS TO ENSURE PROPER DEPTH AS SHOWN ON DETAIL. ALL BOLTS SHALL BE THREADED FULL LENGTH (NO SHOULDER BOLTS.) ALL BOLTS MUST BE LONG ENOUGH TO PROVIDE FULL THREAD ENGAGEMENT AND EXTEND BEYOND BOTTOM PORTION OF FLANGE, MINIMUM 1/4" MAX. 3/4". APPLY COATAX OR SIMILAR MATERIAL TO ALL SECONDARY ELECTRICAL CONNECTIONS AND FIXTURES. CONTRACTOR SHALL INSTALL ALL BOLTS WITH 2 PIECE LOCK-WASHERS.
- USING A CALIBRATED COMPRESSED AIR RATCHETING TOOL, TIGHTEN EACH BOLT UNTIL THEY ARE LOOSELY SEATED AGAINST THE FIXTURE. THE RATCHETING TOOL SHALL BE RESTRICTED TO A TIGHTEN ALL BOLTS IN A STAR PATTERN USING A TORQUE WRENCH PER MANUFACTURER RECOMMENDATIONS.
- APPLY COATAX OR SIMILAR MATERIAL TO ALL SECONDARY ELECTRICAL CONNECTIONS AND FIXTURES.

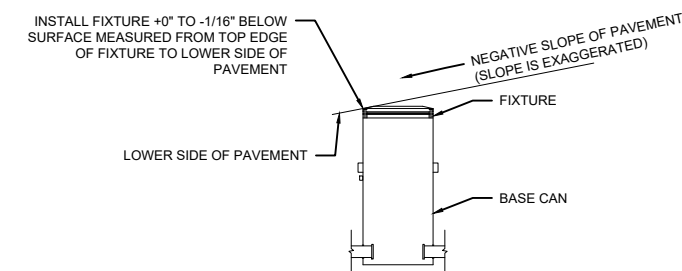
**3 INPAVEMENT LIGHT FIXTURE INSTALLATION - ELEVATION**  
SCALE: NTS



**DETAIL 4 NOTES:**

- CONTRACTOR SHALL REMOVE EXISTING TAG PRIOR TO MILLING.

**4 LIGHT FIXTURE IDENTIFICATION MARKER DETAIL**  
SCALE: NTS



**NOTES FOR FIXTURE INSTALLATION:**

- CONTRACTOR SHALL ADJUST THE FIXTURE HEIGHT BY PLACING A 2' LEVEL ACROSS THE PAVEMENT SLOPE AND INCREMENTALLY PLACING 1/16" SPACER RINGS UNTIL TOP OF FIXTURE TOUCHES THE 2' LEVEL. ONCE THE FIXTURE TOUCHES THE LEVEL REMOVE THE LAST SPACER RING SO THAT FIXTURE IS +0" TO -1/16" BELOW LEVEL.

**5 MEASURING FIXTURE ELEVATION**  
SCALE: NTS

No.	Revision	Date	By

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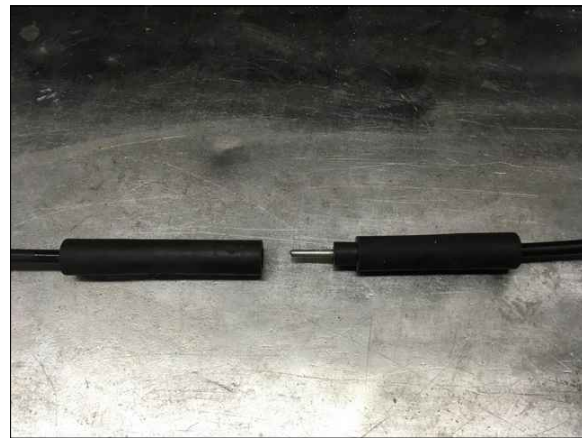
**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**ELECTRICAL**  
**DETAIL 8**

Sheet: **E5.08**

**GENERAL NOTES**

1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



**NOTES FOR STEP 1:**

1. PENCIL TAPER BOTH ENDS
2. APPLY SILICONE
3. CRIMP CONNECTOR ENDS ONTO CABLE

1A STEP 1  
SCALE: NTS



**NOTES FOR STEP 2:**

1. APPLY SCOTCH 130C RUBBER TAPE HALF-LAPPED FOR A TOTAL WIDTH OF 2" AT THE CONNECTION POINT AND BOTH ENDS

1B STEP 2  
SCALE: NTS



**NOTES FOR STEP 3:**

1. APPLY SCOTCH 88 HALF LAPPED 3" AT THE CONNECTION POINT AND BOTH ENDS, COMPLETELY COVERING THE RUBBER TAPE.

1C STEP 3  
SCALE: NTS

**INSTALLATION NOTES:**

1. CONTRACTOR SHALL HAVE A MECHANICAL CRIMPING TOOL AND PENCIL TAPER ON SITE.
2. MAKE ALL CONNECTIONS WITH THESE TOOLS. ALL PERSONNEL PERFORMING SPLICES AND SUPERVISOR SHALL ATTEND A 1/2 HOUR TRAINING SEMINAR CONDUCTED BY A REPRESENTATIVE OF THE SPLICE KIT MANUFACTURER. COST FOR THE TRAINING SHALL BE INCIDENTAL TO THE CONTRACT WITH NO SEPARATE PAYMENT. NO EXCEPTIONS WILL BE ALLOWED. INSPECTOR SHALL MAINTAIN A LIST AT ALL TIMES OF CERTIFIED PERSONNEL.
3. SUPPLY A LIBERAL AMOUNT OF LUBRICANT SILICONE 5 OZTUBE, PRODUCT #G-661 AS SUPPLIED BY ANIXTER, OR APPROVED EQUAL ON CONNECTIONS BETWEEN CABLE AND CONNECTOR.
4. CONTRACTOR SHALL OBTAIN MANUFACTURING INSTALLATION INSTRUCTIONS PRIOR TO BID. SUBMIT AS PART OF SHOP DRAWING.
5. THIS DETAIL SHALL ONLY BE USED BETWEEN THE TRANSFORMER AND PRIMARY HOME RUN CABLE INSIDE THE BASECAN.

1A L-823 CONNECTOR KIT DETAIL (CLASSIC KIT)  
SCALE: NTS

No.	Revision	Date	By

ACI No. 216794  
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File Name: FILE NAME

Drawn: FM  
Checked: JP  
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**NOT FOR CONSTRUCTION**

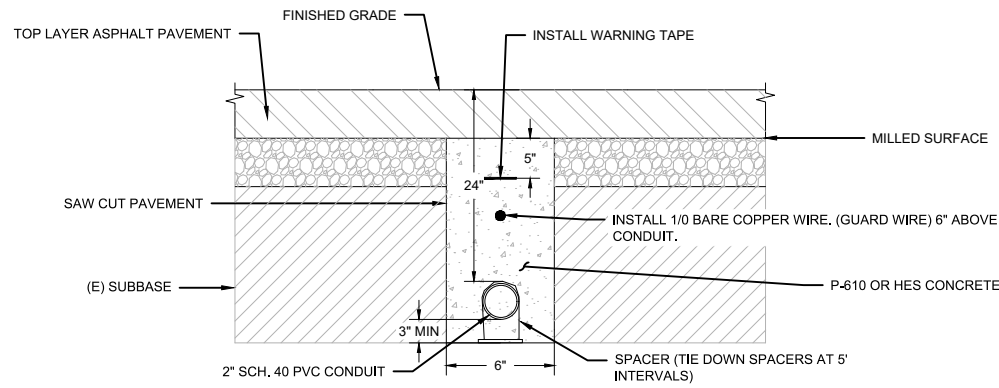
**ELECTRICAL**  
**DETAIL 9**

Sheet: **E5.09**



**GENERAL NOTES**

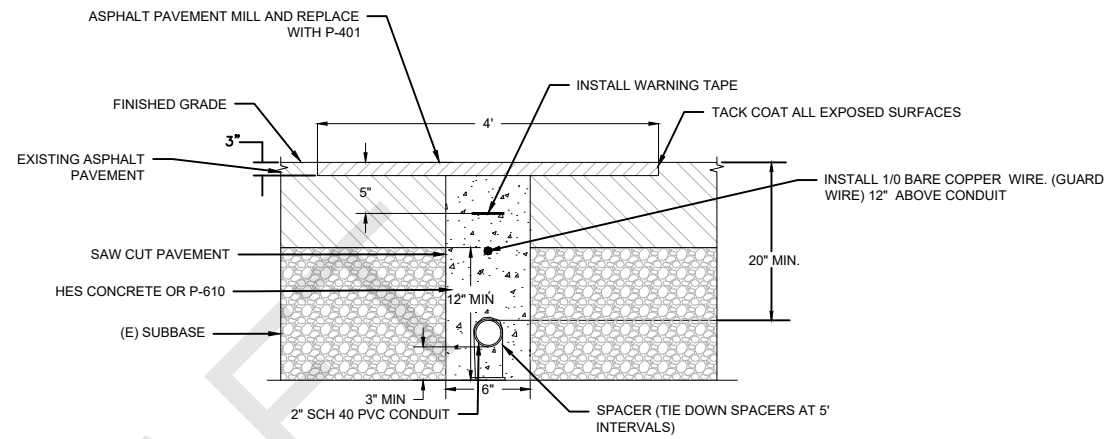
- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



**NOTES:**

- 6" WIDE TRENCH IN ASPHALT PAVEMENT TO MIN. 24" DEPTH. THOROUGHLY CLEAN CUT.
- ENCASE WITH CONCRETE AS SHOWN.
- CONTRACTOR SHALL FILL CONCRETE ALL THE WAY UP TO EXISTING GRADE AND THEN MILL THE NEW CONCRETE AS PART OF ASPHALT MILLING REMOVAL. THE COST OF THIS ADDITIONAL CONCRETE IS INCIDENTAL TO THE COST OF THE CONDUIT INSTALLATION WITH NO SEPARATE PAYMENT. CONTRACTOR SHALL SCHEDULE WORK TO ENSURE THAT CONCRETE ENCASUREMENT OF CONDUIT REACHED MINIMUM OF 3000 PSI AT LEAST 1 HOUR PRIOR TO ANY AIRPLANE TRAFFIC FOR RUNWAY REOPENING.

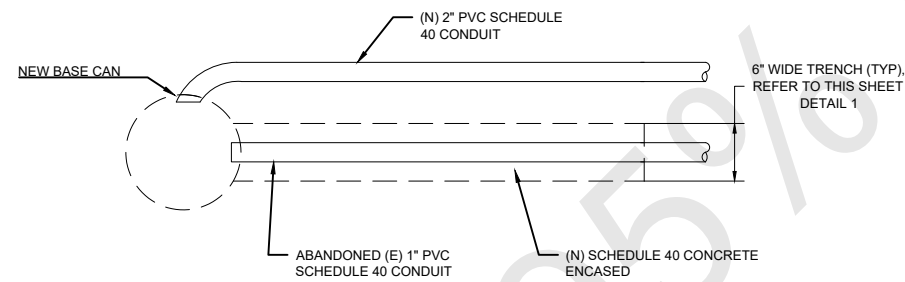
**1 CONDUIT INSTALLATION IN MILLED OR NEW ASPHALT PAVEMENT**  
SCALE: NTS



**NOTES:**

- SAWCUT 6" WIDE TRENCH IN EXISTING ASPHALT PAVEMENT TO MIN. 20" DEPTH. THOROUGHLY CLEAN CUT.
- ENCASE WITH CONCRETE AS SHOWN.
- COMPLETE ASPHALT PAVEMENT RESTORATION AS SHOWN.
- CONTRACTOR SHALL SCHEDULE WORK TO ENSURE THAT CONCRETE ENCASUREMENT OF CONDUIT REACHED MINIMUM OF 3000 PSI AT LEAST 1 HOUR PRIOR TO ANY AIRPLANE TRAFFIC FOR RUNWAY REOPENING.

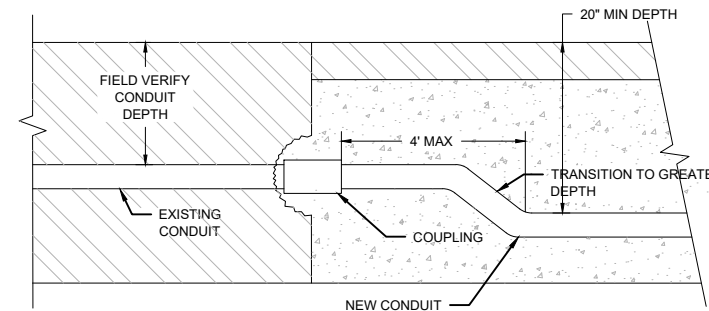
**2 CONDUIT INSTALLATION IN EXISTING ASPHALT PAVEMENT**  
SCALE: NTS



**DETAIL 4 NOTES:**

- PROVIDE SMOOTH CURVES AND ENTER BASE CAN PERPENDICULAR TO SIDE.
- PROVIDE A MINIMUM 3' LONG CONDUIT TRANSITION. INSTALL CONDUIT AT FULL DEPTH.

**3 CONNECTING NEW CONDUIT TO EXISTING BASE CAN**  
SCALE: NTS



**NOTES:**

- LOCATE EXISTING CONDUIT WHICH IS BEING INTERCEPTED AND FIELD VERIFY CONDUIT DEPTH.
- SAW CUT A 4'x4' MINIMUM SECTION OF PAVEMENT AND HAND EXCAVATE AT POINT OF CONNECTION. CUT CONDUIT AND CHISEL OUT AN AREA AROUND CONDUIT END.
- CLEAN CONDUIT AND INSTALL A COUPLING.
- SAW CUT OR KERF TRENCH FOR NEW CONDUIT TO EXCAVATED HOLE AREA.
- INSTALL NEW CONDUIT AS INDICATED IN CONDUIT INSTALLATIONS.
- IF EXISTING CONDUIT DEPTH IS LESS THAN THE NEW CONDUIT TRANSITION TO GREATER DEPTH.
- RESTORE THE CEMENT TREATED BASE BY POURING (N) P-610.

**4 EXISTING CONDUIT CONNECTION DETAIL**  
SCALE: NTS

No.	Revision	Date	By

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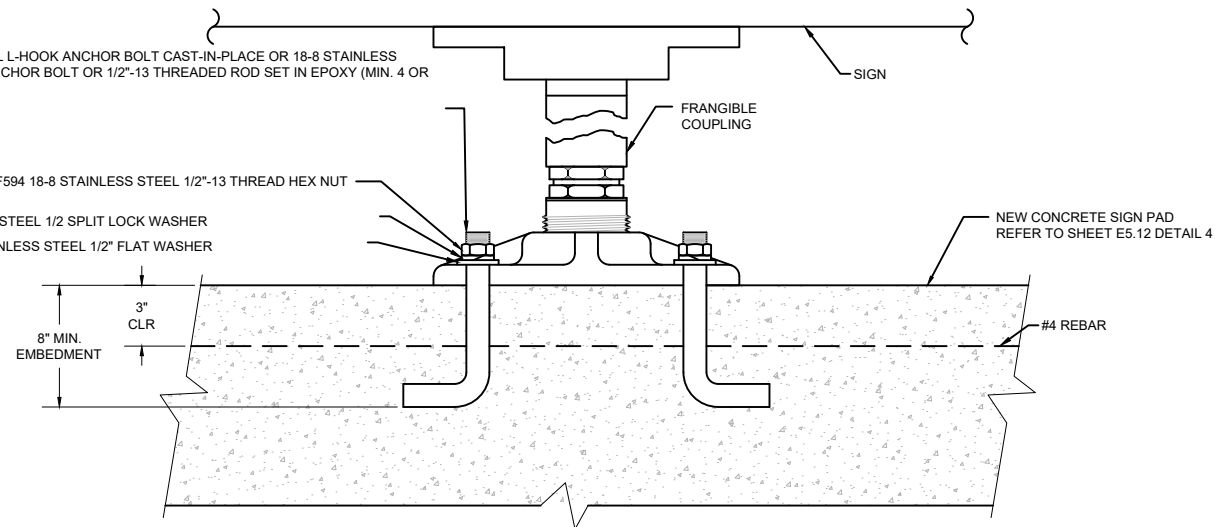
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**ELECTRICAL DETAIL 10**

Sheet: **E5.10**

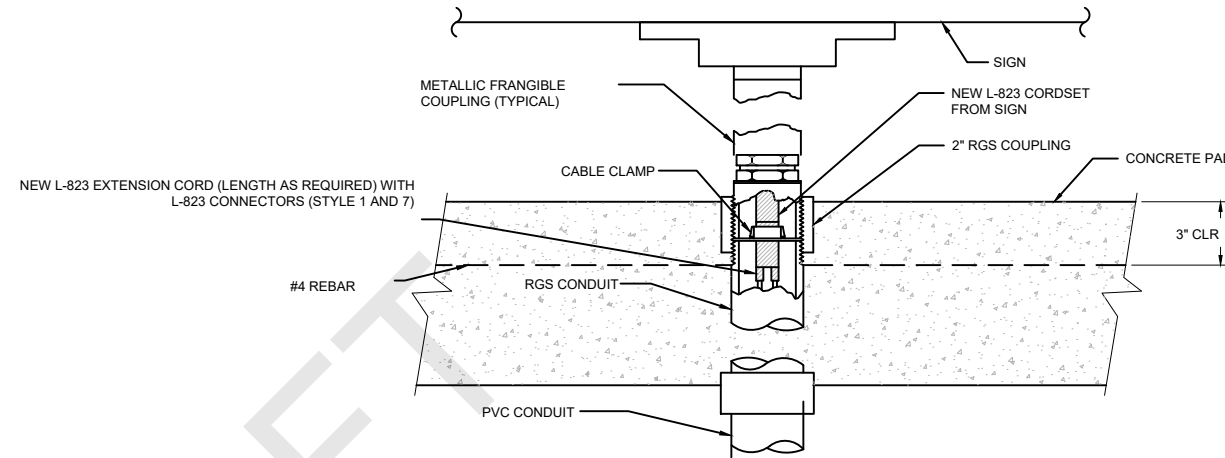
18-8 STAINLESS STEEL L-HOOK ANCHOR BOLT CAST-IN-PLACE OR 18-8 STAINLESS STEEL EXPANSION ANCHOR BOLT OR 1/2"-13 THREADED ROD SET IN EPOXY (MIN. 4 OR AS REQ'D BY MFG.)



1 ANCHOR "J" BOLT DETAIL - NEW CONCRETE PAD  
SCALE: NTS

GENERAL NOTES

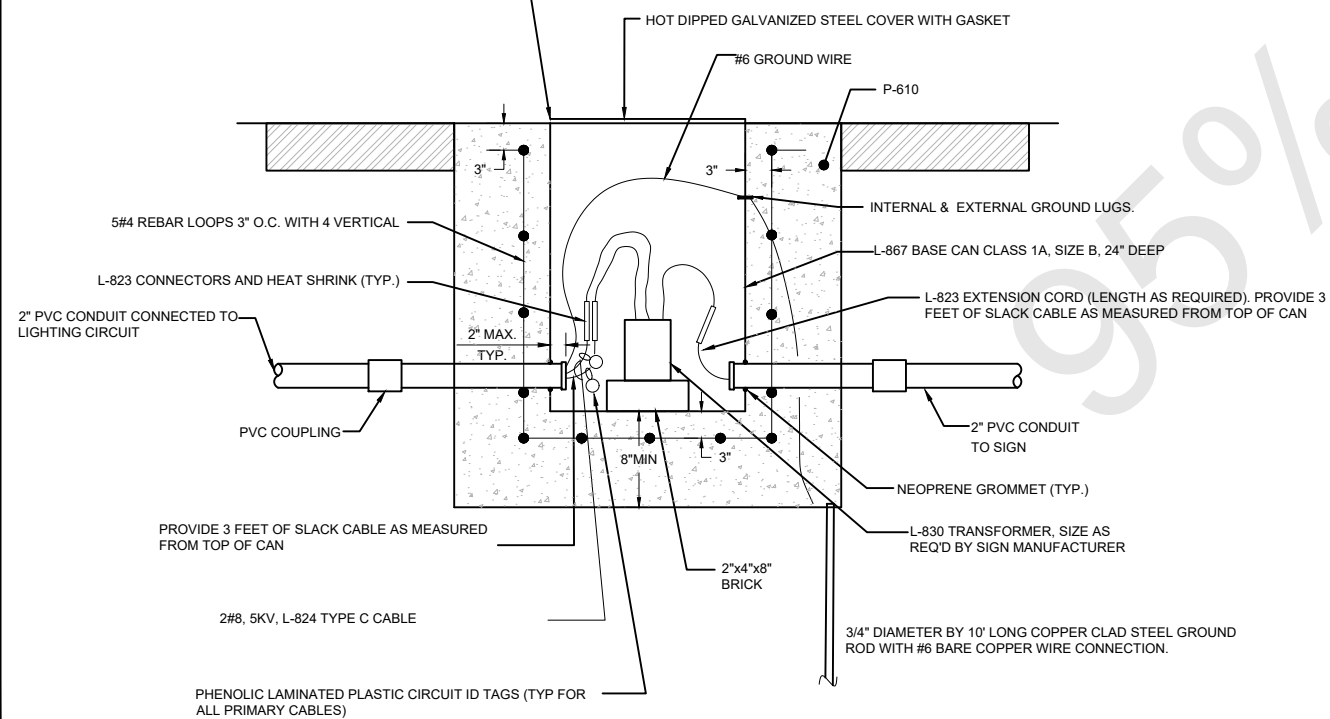
- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.



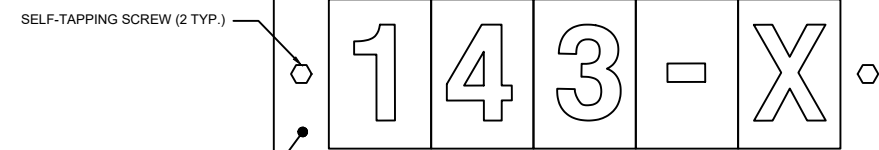
NOTE: DETAIL APPLIES TO NEW CONCRETE PAD CONSTRUCTION AND NEW SIGNAGE POWER LEG/LOCATION.

2 POWER LEG DETAIL - NEW CONCRETE PAD  
SCALE: NTS

STAINLESS STEEL BOLTS AND LOCK WASHERS (TYP.)



3 NEW AIRFIELD GUIDANCE SIGN BASE CAN DETAIL  
SCALE: NTS



NOTE: PROVIDE MINIMUM 2" TALL LETTERING

4 TYPICAL SIGN ID TAG  
SCALE: NTS

No.	Revision	Date	By

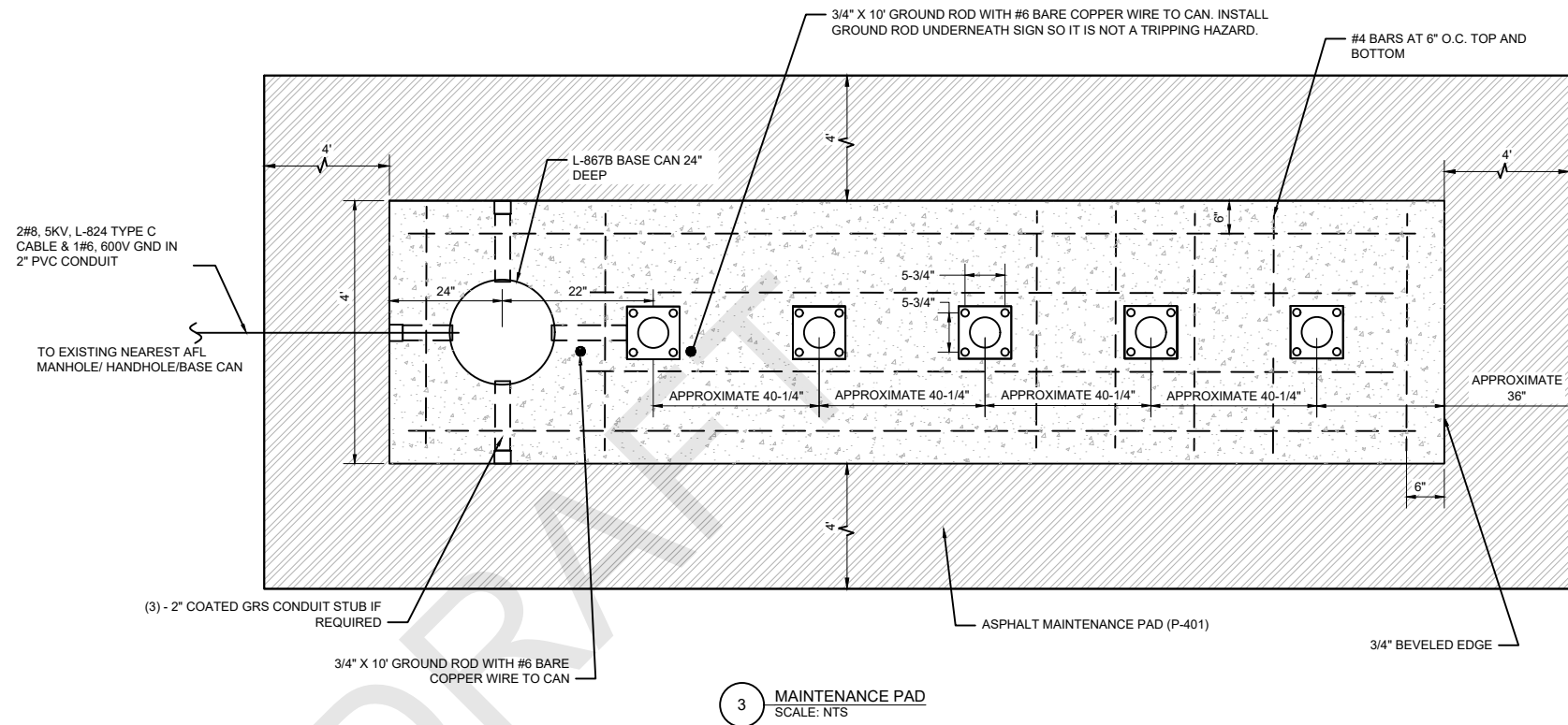
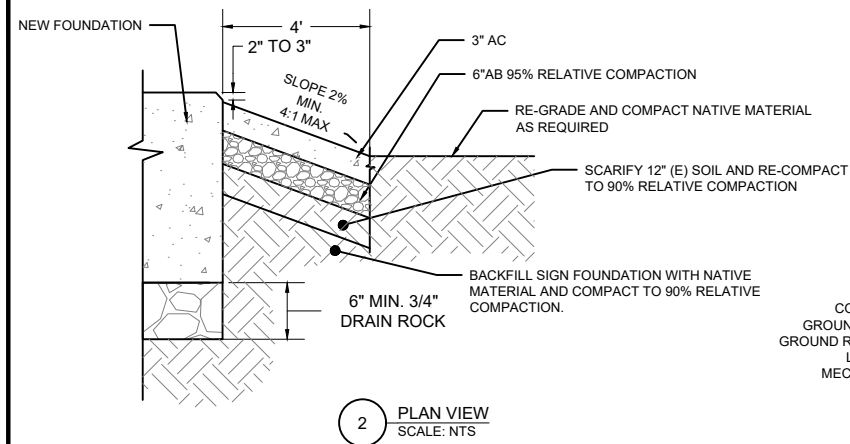
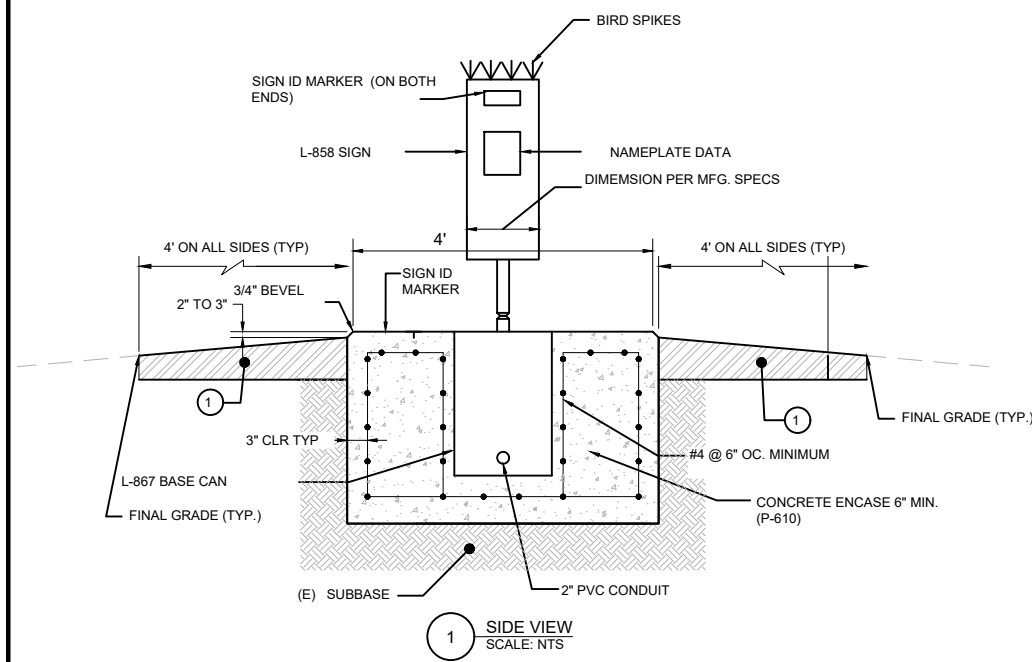
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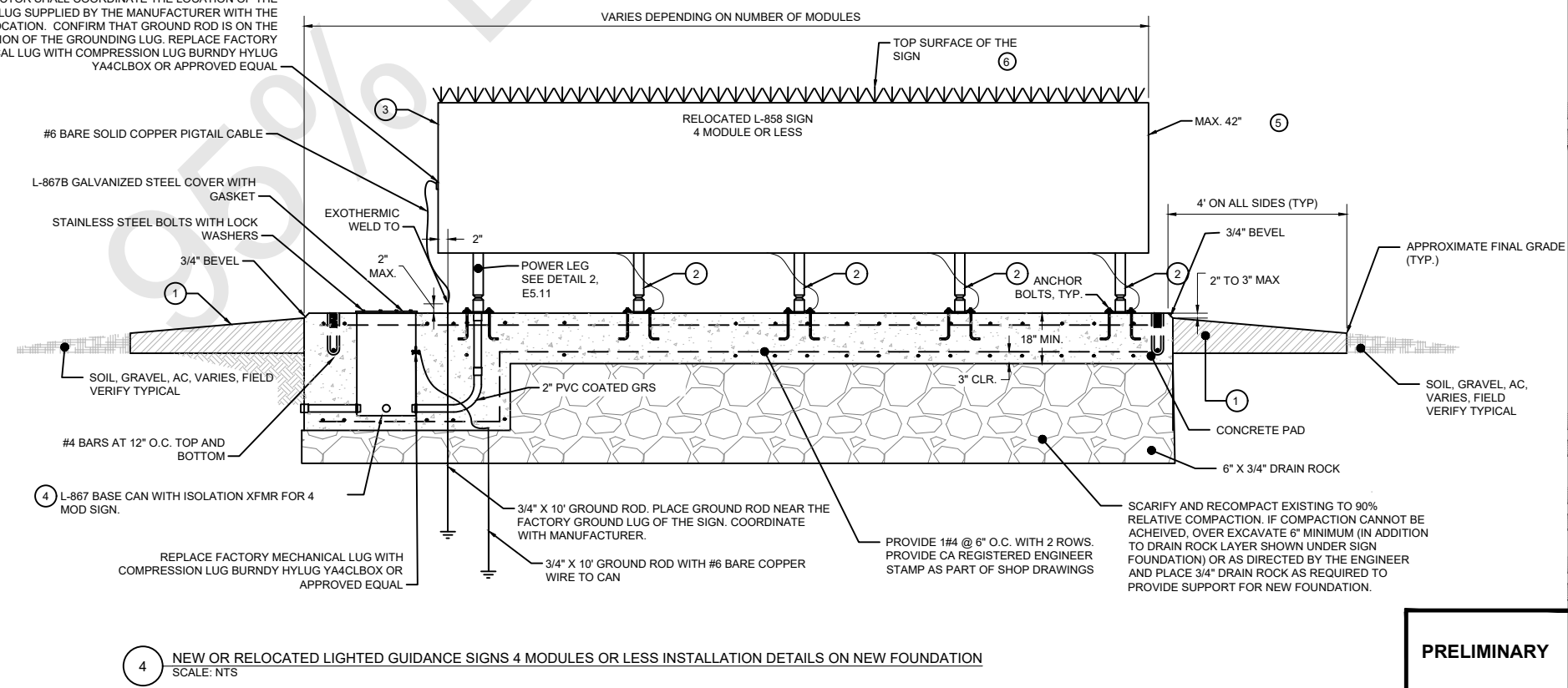
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**NOT FOR CONSTRUCTION**

**SIGN DETAIL 1**

Sheet: **E5.11**



CONTRACTOR SHALL COORDINATE THE LOCATION OF THE GROUNDING LUG SUPPLIED BY THE MANUFACTURER WITH THE GROUND ROD LOCATION. CONFIRM THAT GROUND ROD IS ON THE LOCATION OF THE GROUNDING LUG. REPLACE FACTORY MECHANICAL LUG WITH COMPRESSION LUG BURNDY HYLUG YA4CLBOX OR APPROVED EQUAL



**KEY NOTES:**

- 1 PROVIDE 4' MAINTENANCE PAD AROUND SIGN PAD. REFER TO DETAIL 4 ON THE SAME SHEET.
- 2 TETHER. MINIMUM 1 PER MODULE AND AT LEAST 2 TETHERS PER SIGN.
- 3 INSTALL NEW SIGNS PER MANUFACTURER MOUNTING PLATE TEMPLATE, RECOMMENDATIONS, AND INSTRUCTIONS. NUMBER AND SPACING OF LEGS AS PER MANUFACTURERS REQUIREMENTS. EXISTING SIGNS ARE MANUFACTURED BY ADB.
- 4 FOR RELOCATED SIGNS REUSE TRANSFORMERS. FOR NEW SIGNS PROVIDE TRANSFORMER PER MFG. RECOMMENDATIONS. PROVIDE NEW L-823 EXTENSION CORDSET OR REQUIRED LENGTH.
- 5 PROVIDE GUIDANCE SIGN IDENTIFICATION MARKER ON EACH END OF THE SIGN (TOTAL OF TWO MARKERS PER SIGN).
- 6 INSTALL BIRD SPIKES.

**GENERAL NOTES:**

1. SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.
2. CONTRACTOR SHALL VERIFY THE LOCATION OF THE SOURCE OF POWER TO THE SIGN WHETHER IT'S A LIGHT FIXTURE OR HANDHOLE.
3. INSTALL NEW OR RELOCATED SIGN, TRANSFORMER, FOUNDATION, SECONDARY CABLES, CONDUIT, AND CONNECT TO THE EXISTING CIRCUIT.
4. CONTRACTOR SHALL BLUE STAKE THE LOCATION OF THE SIGN AND SIGN FOUNDATION (ALL FOUR CORNERS) PRIOR TO INSTALLING THE FOUNDATION. CONTRACTOR SHALL SUPPLY A SURVEY SHOP DRAWING THAT SHOWS THE LOCATION AND ELEVATION OF THE FOUR CORNERS OF SIGN FOUNDATION, FOUR CORNER LOCATION AND ELEVATION OF THE MAINTENANCE PAD AND AN ADDITIONAL LOCATION AND ELEVATION OF 15' DIAGONAL FROM EACH CORNER OF THE SIGN FOUNDATION FOR ENGINEER'S APPROVAL.

No.	Revision	Date	By

ACI No. 216794  
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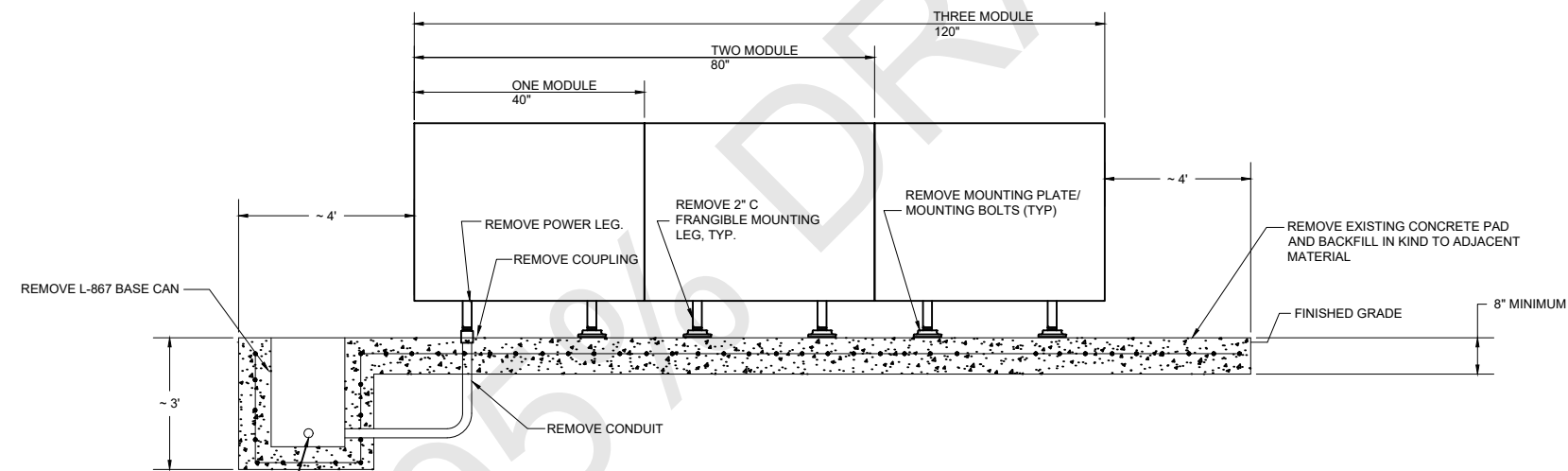
**SIGN DETAIL 2**  
Sheet: **E5.12**

**GENERAL NOTES**

- SEE SHEETS E0.01 & E2.00 FOR ELECTRICAL NOTES, ABBREVIATIONS, AND LEGEND.

**SEQUENCE FOR INSTALLATION:**

- DETAIL APPLIES FOR SIGNS AND SIGN FOUNDATIONS THAT ARE NO LONGER IN USE AT THE COMPLETION OF THE PROJECT.
- CONTRACTOR SHALL ASSUME THAT EXISTING SIGNS HAVE THE SAME PHYSICAL DIMENSION AND FOUNDATION AS NEW SIGNS. CONTRACTOR SHALL REMOVE EXISTING SIGN AND FOUNDATION AND BACKFILL WITH NATIVE FILL AND COMPACT TO 98%.
- PRIOR TO DEMOLITION OF EXISTING SIGN CONTRACTOR SHALL INSTALL THE NEW SIGN AND FOUNDATION AND CONNECT THE NEW SIGN TO THE APPROPRIATE CIRCUIT. HOWEVER, KEEP NEW SIGN COVERED SO AS NOT TO INTERFERE WITH THE PURPOSE OF THE EXISTING SIGN. IF NEW SIGN IS OBSTRUCTING EXISTING SIGN THAN THE NEW SIGN SHALL BE INSTALLED IN ONE CLOSURE PERIOD.
- DURING ONE CLOSURE PERIOD, CONTRACTOR SHALL REMOVE EXISTING SIGN AND ENERGIZE NEW SIGN. CONTRACTOR MAY NEED TO COME BACK DURING ADDITIONAL CLOSURE AND REMOVE THE FOUNDATION IF THE FOUNDATION REMOVAL COULD NOT BE PERFORMED DURING ONE PERIOD. THAT IS, CONTRACTOR SHALL ASSUME TWO MOBILIZATIONS IN THE REMOVAL OF THE SIGN AND ITS FOUNDATION. CONTRACTOR SHALL PULL BACK THE WIRE TO THE NEAREST HANDHOLE OR JUNCTION CAN AND PROVIDE TWO NEW L-823 CONNECTORS TO MAINTAIN CIRCUIT CONTINUITY. COST FOR THE CABLE REMOVAL SHALL BE INCIDENTAL TO THE PROJECT (CONTRACTOR SHALL ASSUME THAT 500' OF WIRE REMOVAL IS INCLUDED IN THE COST OF THE SIGN REMOVAL). COST FOR THE OPENING EXISTING HANDHOLE OR BASE CAN IS INCIDENTAL TO THE CONTRACT WITH NO SEPARATE PAYMENT.



REMOVE EXISTING BASE CAN. REMOVE EXISTING AFL CABLE TO NEAREST HANDHOLE/BASE CAN. DISCONNECT FEED TO THE SIGN FROM THE EXISTING CIRCUIT. CAP EXISTING CONDUIT AT THE NEAREST HANDHOLE THAT IS FEEDING EXISTING SIGN. DEMOLISH CONDUIT 5' FROM BASECAN

1 REMOVE EXISTING SIGN AND FOUNDATION  
SCALE: NTS



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-0XX-2022

No.	Revision	Date	By

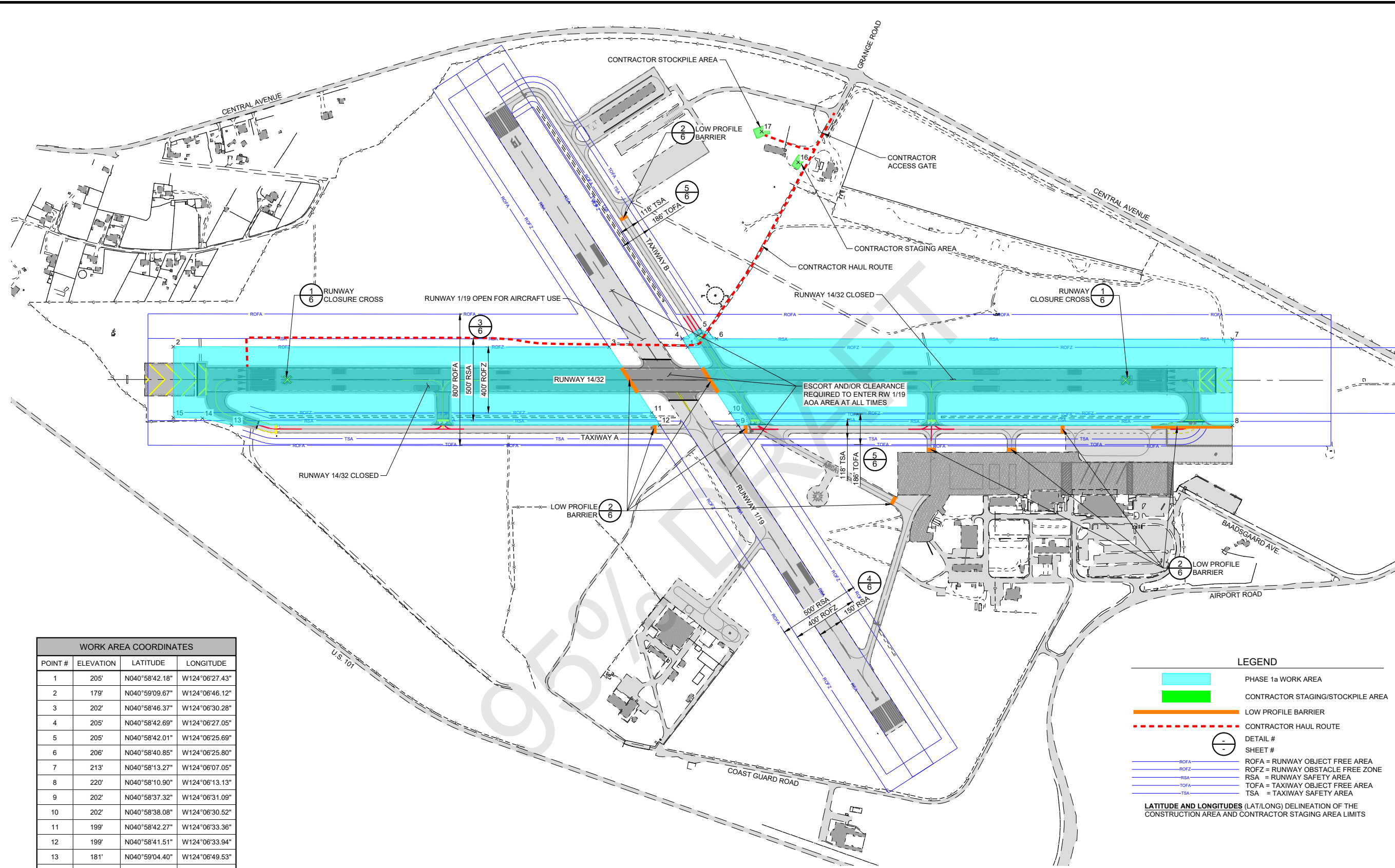
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Date: 1/2022  
File Name: FILE NAME

Drawn: FM  
Checked: JP  
Approved: DL

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**SIGN DETAIL 3**  
Sheet: **E5.13**

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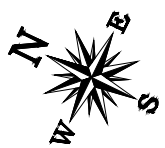


WORK AREA COORDINATES			
POINT #	ELEVATION	LATITUDE	LONGITUDE
1	205'	N040°58'42.18"	W124°06'27.43"
2	179'	N040°59'09.67"	W124°06'46.12"
3	202'	N040°58'46.37"	W124°06'30.28"
4	205'	N040°58'42.69"	W124°06'27.05"
5	205'	N040°58'42.01"	W124°06'25.69"
6	206'	N040°58'40.85"	W124°06'25.80"
7	213'	N040°58'13.27"	W124°06'07.05"
8	220'	N040°58'10.90"	W124°06'13.13"
9	202'	N040°58'37.32"	W124°06'31.09"
10	202'	N040°58'38.08"	W124°06'30.52"
11	199'	N040°58'42.27"	W124°06'33.36"
12	199'	N040°58'41.51"	W124°06'33.94"
13	181'	N040°59'04.40"	W124°06'49.53"
14	179'	N040°59'06.14"	W124°06'50.11"
15	179'	N040°59'07.71"	W124°06'51.12"
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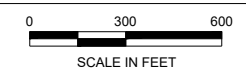
**LEGEND**

- PHASE 1a WORK AREA
- CONTRACTOR STAGING/STOCKPILE AREA
- LOW PROFILE BARRIER
- CONTRACTOR HAUL ROUTE
- DETAIL #
- SHEET #
- ROFA = RUNWAY OBJECT FREE AREA
- ROFZ = RUNWAY OBSTACLE FREE ZONE
- RSA = RUNWAY SAFETY AREA
- TOFA = TAXIWAY OBJECT FREE AREA
- TSA = TAXIWAY SAFETY AREA

**LATITUDE AND LONGITUDES (LAT/LONG) DELINEATION OF THE CONSTRUCTION AREA AND CONTRACTOR STAGING AREA LIMITS**



**AIRPORT & PROJECT LAYOUT - PHASE 1a**



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

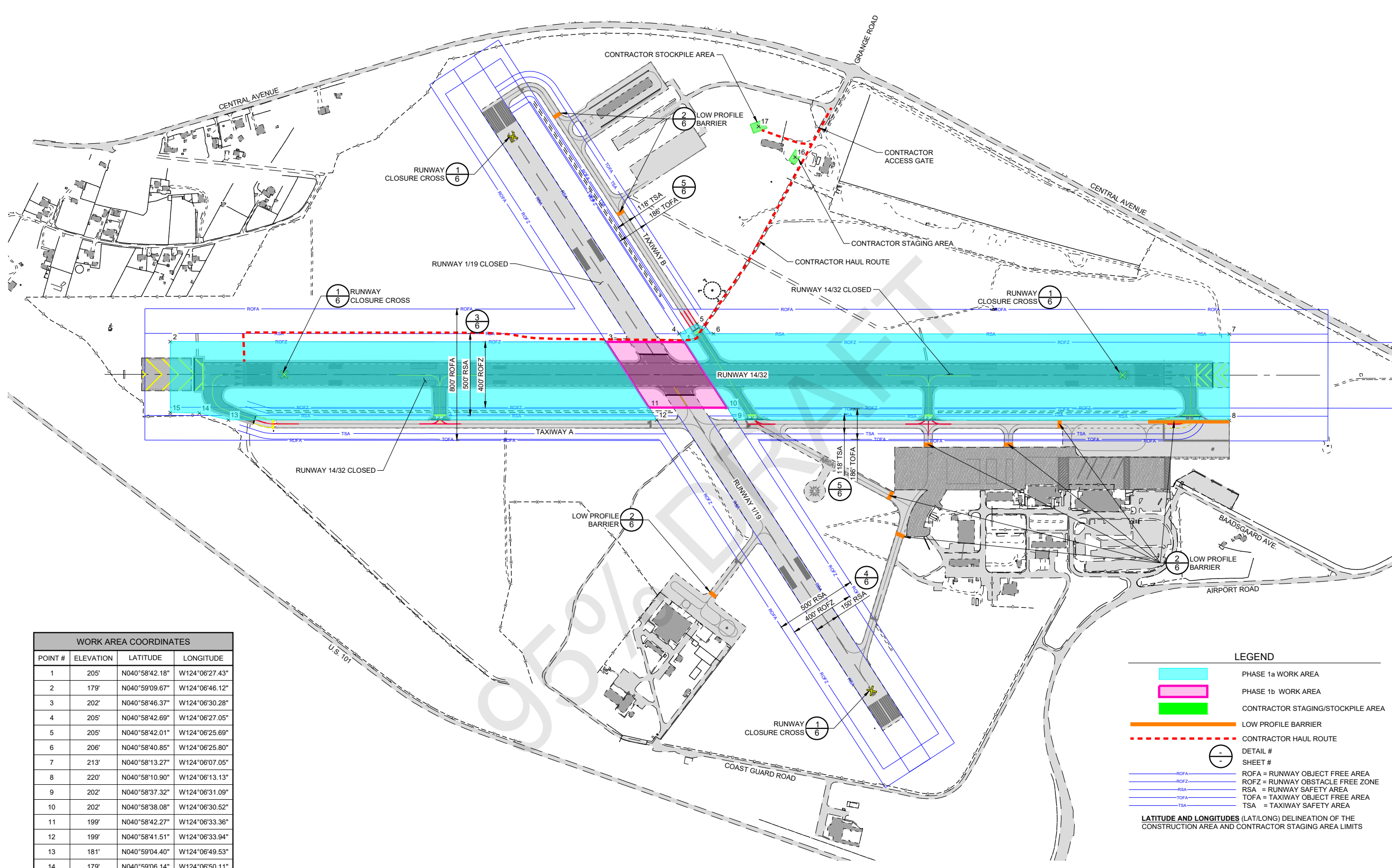
No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: 216794150

Drawn: DJR/LKB  
Checked: EFR  
Approved: CSN

**CONSTRUCTION SAFETY & PHASING PLAN**

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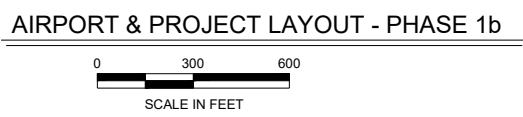
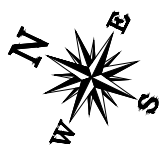


WORK AREA COORDINATES			
POINT #	ELEVATION	LATITUDE	LONGITUDE
1	205'	N040°58'42.18"	W124°06'27.43"
2	179'	N040°59'09.67"	W124°06'46.12"
3	202'	N040°58'46.37"	W124°06'30.28"
4	205'	N040°58'42.69"	W124°06'27.05"
5	205'	N040°58'42.01"	W124°06'25.69"
6	206'	N040°58'40.85"	W124°06'25.80"
7	213'	N040°58'13.27"	W124°06'07.05"
8	220'	N040°58'10.90"	W124°06'13.13"
9	202'	N040°58'37.32"	W124°06'31.09"
10	202'	N040°58'38.08"	W124°06'30.52"
11	199'	N040°58'42.27"	W124°06'33.36"
12	199'	N040°58'41.51"	W124°06'33.94"
13	181'	N040°59'04.40"	W124°06'49.53"
14	179'	N040°59'06.14"	W124°06'50.11"
15	179'	N040°59'07.71"	W124°06'51.12"
16	211'	N040°58'41.36"	W124°06'10.36"
17	214'	N040°58'44.16"	W124°06'09.53"

**LEGEND**

- PHASE 1a WORK AREA
- PHASE 1b WORK AREA
- CONTRACTOR STAGING/STOCKPILE AREA
- LOW PROFILE BARRIER
- CONTRACTOR HAUL ROUTE
- DETAIL #
- SHEET #
- ROFA = RUNWAY OBJECT FREE AREA
- ROFZ = RUNWAY OBSTACLE FREE ZONE
- RSA = RUNWAY SAFETY AREA
- TOFA = TAXIWAY OBJECT FREE AREA
- TSA = TAXIWAY SAFETY AREA

**LATITUDE AND LONGITUDES (LAT/LONG) DELINEATION OF THE CONSTRUCTION AREA AND CONTRACTOR STAGING AREA LIMITS**



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

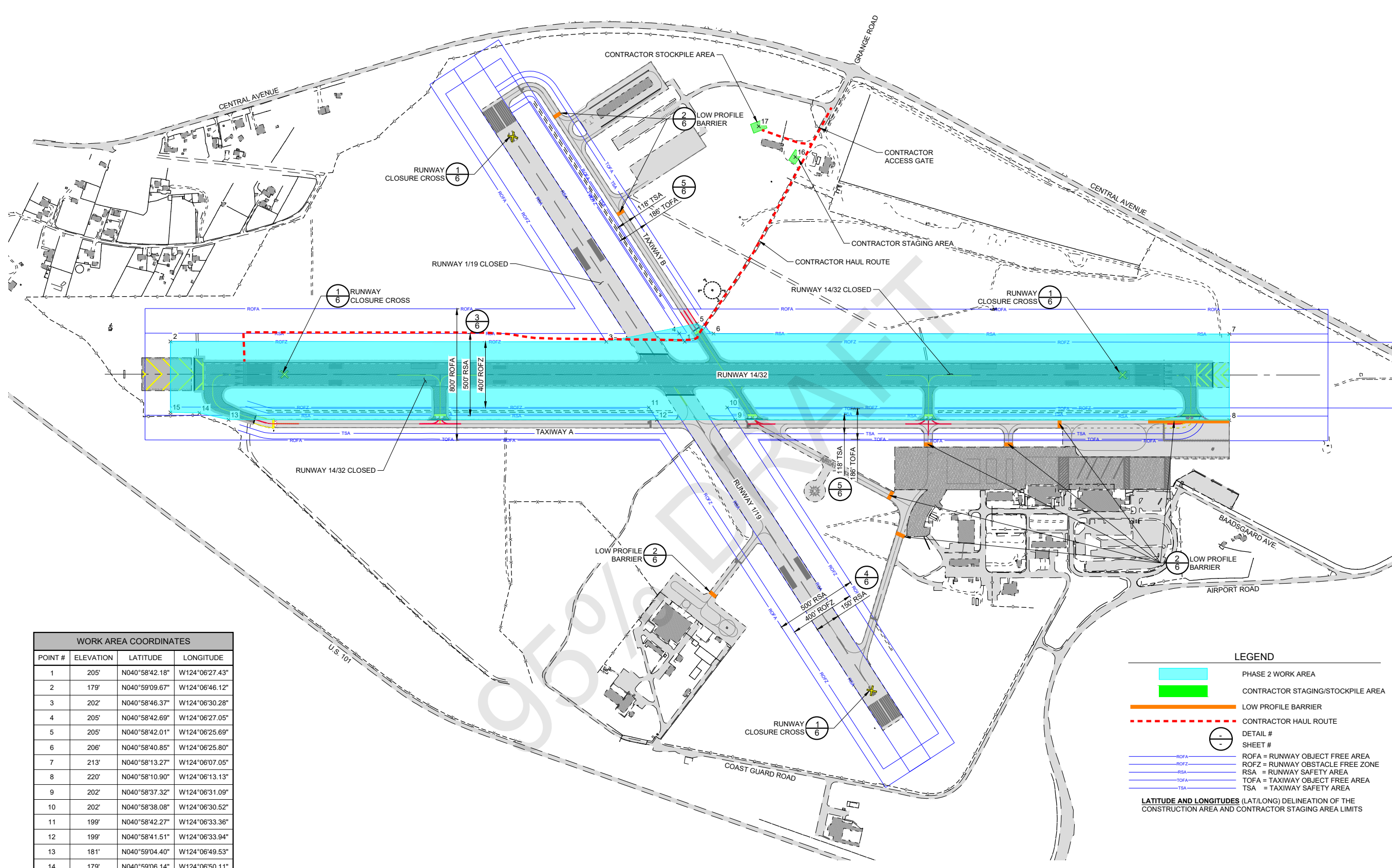
No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: 216794150

Drawn: DJR/LKB  
Checked: EFR  
Approved: CSN

**CONSTRUCTION SAFETY & PHASING PLAN**

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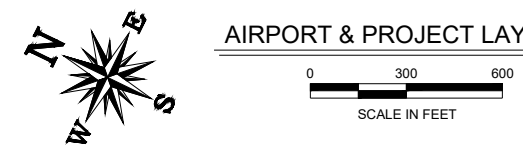


WORK AREA COORDINATES			
POINT #	ELEVATION	LATITUDE	LONGITUDE
1	205'	N040°58'42.18"	W124°06'27.43"
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15	179'	N040°59'07.71"	W124°06'51.12"
16	211'	N040°58'41.36"	W124°06'10.36"
17	214'	N040°58'44.16"	W124°06'09.53"

**LEGEND**

- PHASE 2 WORK AREA
- CONTRACTOR STAGING/STOCKPILE AREA
- LOW PROFILE BARRIER
- CONTRACTOR HAUL ROUTE
- DETAIL #
- SHEET #
- ROFA = RUNWAY OBJECT FREE AREA
- ROFZ = RUNWAY OBSTACLE FREE ZONE
- RSA = RUNWAY SAFETY AREA
- TOFA = TAXIWAY OBJECT FREE AREA
- TSA = TAXIWAY SAFETY AREA

**LATITUDE AND LONGITUDES (LAT/LONG) DELINEATION OF THE CONSTRUCTION AREA AND CONTRACTOR STAGING AREA LIMITS**



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

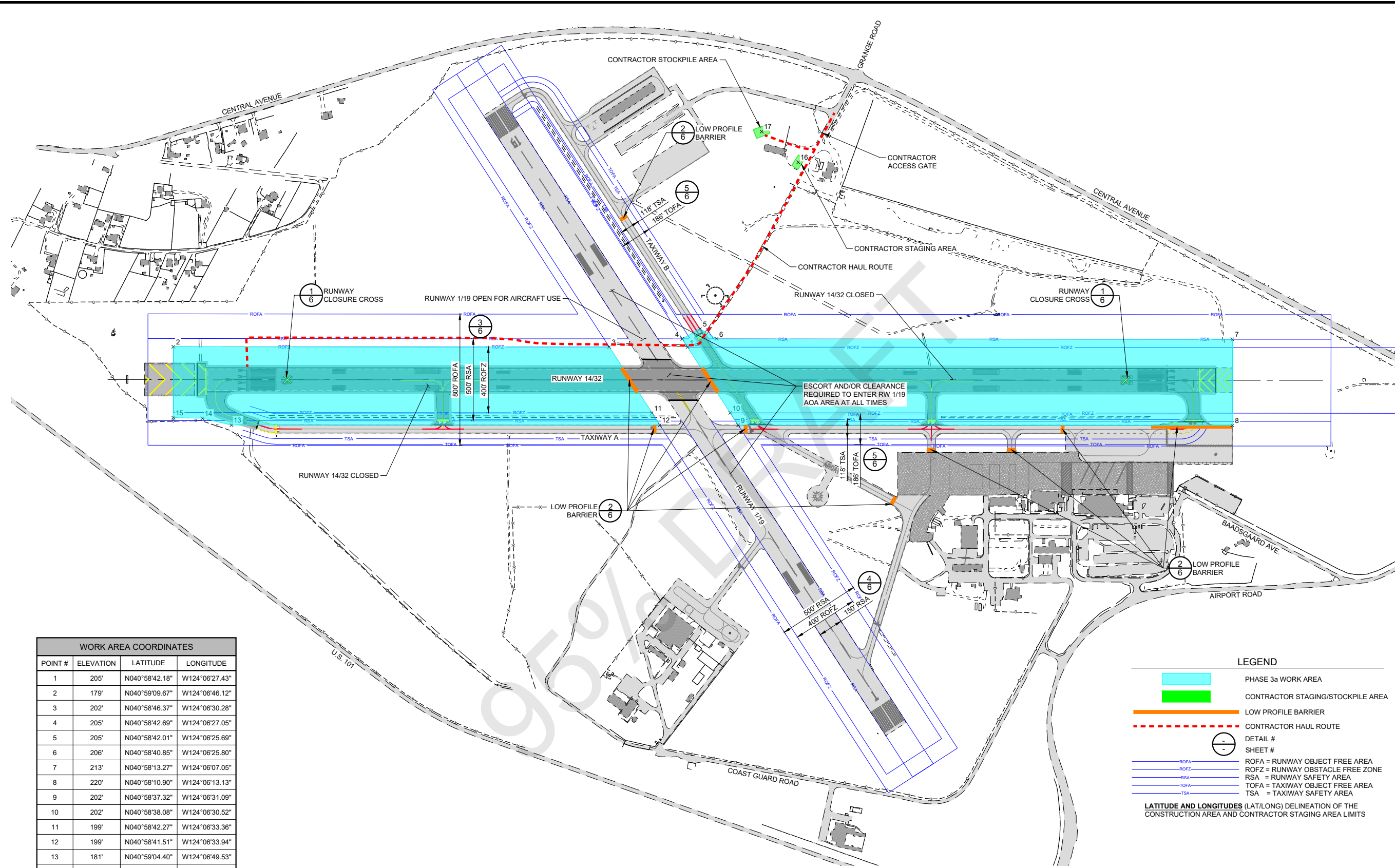
No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: 216794150

Drawn: DJR/LKB  
Checked: EFR  
Approved: CSN

**CONSTRUCTION SAFETY & PHASING PLAN**

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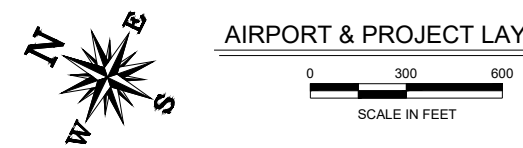


WORK AREA COORDINATES			
POINT #	ELEVATION	LATITUDE	LONGITUDE
1	205'	N040°58'42.18"	W124°06'27.43"
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15	179'	N040°59'07.71"	W124°06'51.12"
16	211'	N040°58'41.36"	W124°06'10.36"
17	214'	N040°58'44.16"	W124°06'09.53"

**LEGEND**

- PHASE 3a WORK AREA
- CONTRACTOR STAGING/STOCKPILE AREA
- LOW PROFILE BARRIER
- CONTRACTOR HAUL ROUTE
- DETAIL #
- SHEET #
- ROFA = RUNWAY OBJECT FREE AREA
- ROFZ = RUNWAY OBSTACLE FREE ZONE
- RSA = RUNWAY SAFETY AREA
- TOFA = TAXIWAY OBJECT FREE AREA
- TSA = TAXIWAY SAFETY AREA

**LATITUDE AND LONGITUDES (LAT/LONG) DELINEATION OF THE CONSTRUCTION AREA AND CONTRACTOR STAGING AREA LIMITS**



**AIRPORT & PROJECT LAYOUT - PHASE 3a**



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

No.	Revision	Date	By

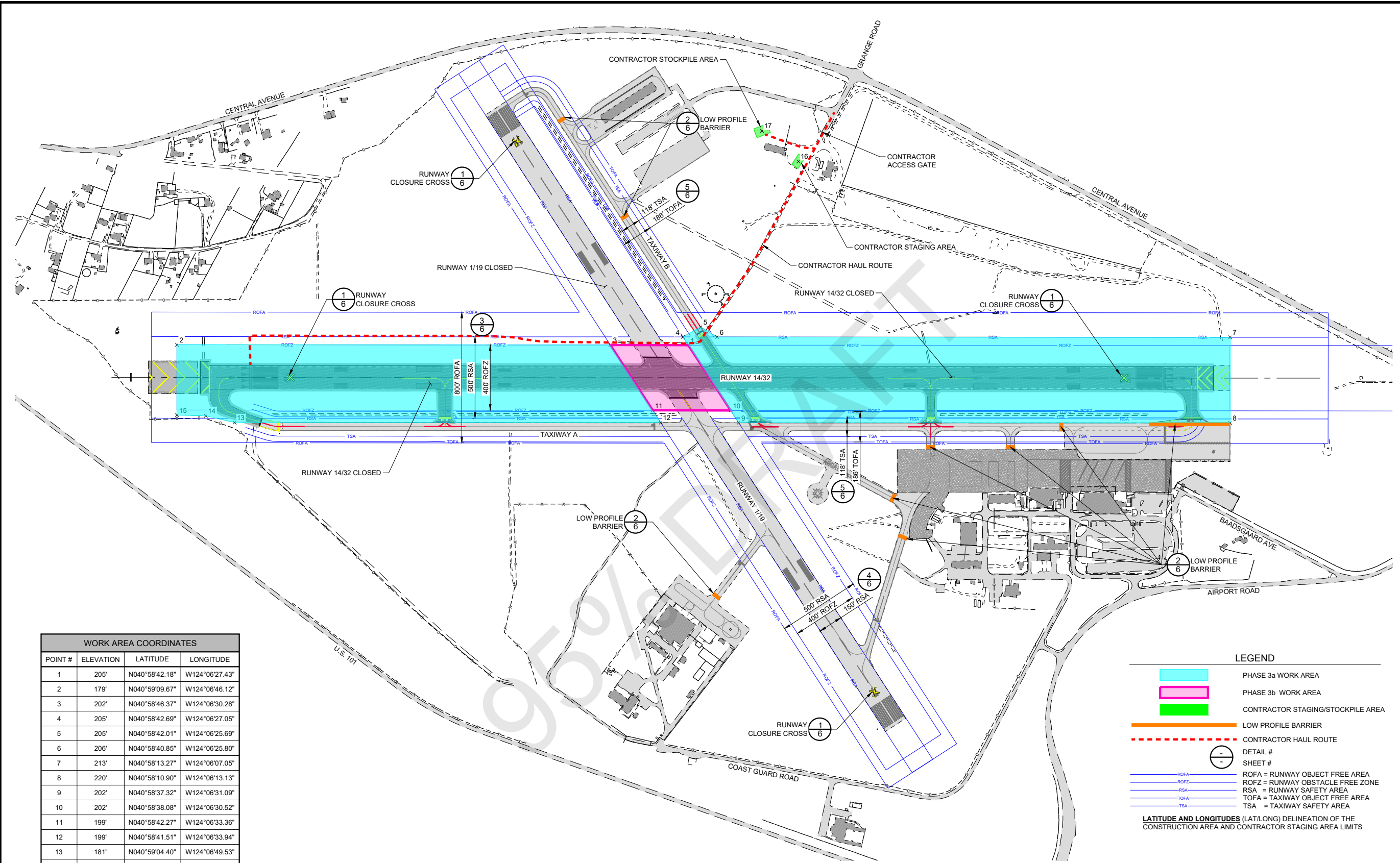
ACI No. 216794  
Date: 1/2022  
File Name: 216794150

Drawn: DJR/LKB  
Checked: EFR  
Approved: CSN

**CONSTRUCTION  
SAFETY &  
PHASING PLAN**



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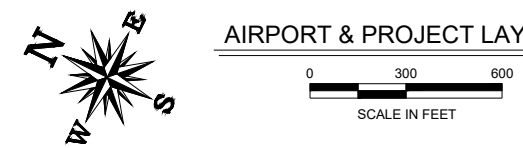


WORK AREA COORDINATES			
POINT #	ELEVATION	LATITUDE	LONGITUDE
1	205'	N040°58'42.18"	W124°06'27.43"
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**LEGEND**

- PHASE 3a WORK AREA
- PHASE 3b WORK AREA
- CONTRACTOR STAGING/STOCKPILE AREA
- LOW PROFILE BARRIER
- CONTRACTOR HAUL ROUTE
- DETAIL #
- SHEET #
- ROFA = RUNWAY OBJECT FREE AREA
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**LATITUDE AND LONGITUDES (LAT/LONG) DELINEATION OF THE CONSTRUCTION AREA AND CONTRACTOR STAGING AREA LIMITS**



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
MCKINLEYVILLE, CA  
REHAB RW 14/32 & LIGHTING SYSTEM  
AIP No. 3-06-0010-053-2022

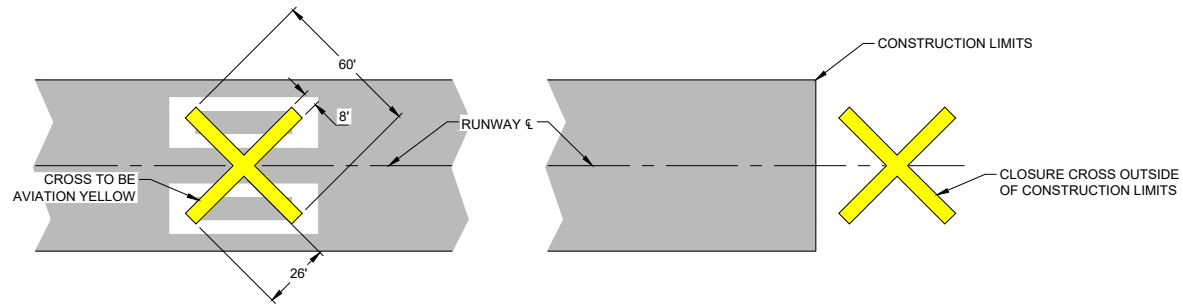
No.	Revision	Date	By

ACI No. 216794  
Date: 1/2022  
File Name: 216794150

Drawn: DJR/LKB  
Checked: EFR  
Approved: CSN

**CONSTRUCTION SAFETY & PHASING PLAN**

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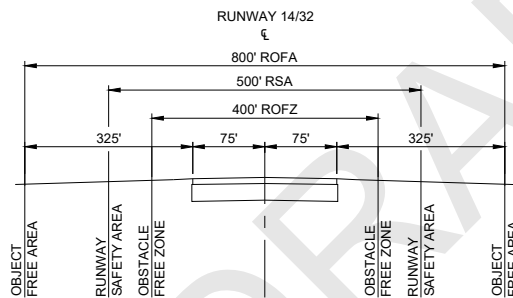
HALI-BRITE RUNWAY CLOSURE MARKER, RCM-D

**1**  
**6** **RUNWAY CLOSURE CROSS**  
NOT TO SCALE

**NOTES:**

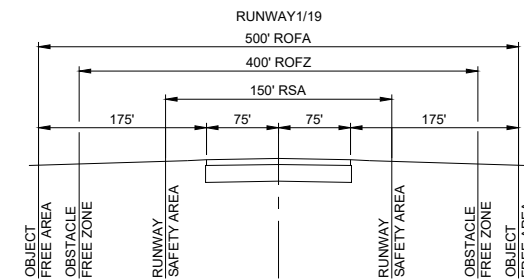
2 EACH REQUIRED PER CLOSED RUNWAY- INCIDENTAL. TO BE APPLIED OVER RUNWAY NUMERALS ON RUNWAY OR AT RUNWAY ENDS PRIOR TO RUNWAY CLOSURE. CROSSES TO BE CONSTRUCTED OF PLYWOOD OR OTHER FLAT MATERIALS WHICH SHALL BE SECURELY FASTENED TO PAVEMENT AND/OR ADEQUATELY WEIGHTED WITH SAND BAGS.

A LIGHTED CLOSURE CROSS SHALL BE REQUIRED AT NIGHT FOR DURATION OF PROJECT. HALI-BRITE RUNWAY CLOSURE MARKER RCM-D, AS SHOWN, REQUIRED, OR APPROVED EQUAL.



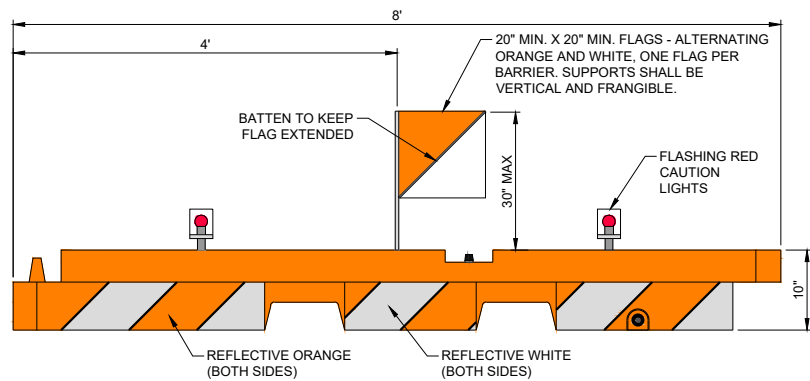
ALL STATIONARY CONSTRUCTION EQUIPMENT AND STOCKPILES MUST REMAIN CLEAR OF ANY OPEN RUNWAY OBJECT FREE AREA. ALL CONSTRUCTION EQUIPMENT AND TRAFFIC MUST REMAIN CLEAR OF ANY OPEN RUNWAY OBSTACLE FREE ZONE.

**3**  
**6** **SAFETY AREAS**  
NOT TO SCALE



ALL STATIONARY CONSTRUCTION EQUIPMENT AND STOCKPILES MUST REMAIN CLEAR OF ANY OPEN RUNWAY OBJECT FREE AREA. ALL CONSTRUCTION EQUIPMENT AND TRAFFIC MUST REMAIN CLEAR OF ANY OPEN RUNWAY OBSTACLE FREE ZONE.

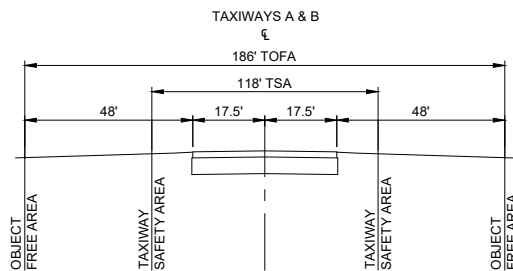
**4**  
**6** **SAFETY AREAS**  
NOT TO SCALE



**2**  
**6** **LOW PROFILE SAFETY BARRIER**  
NOT TO SCALE

**NOTES:**

- BARRIER SHALL BE SHERWIN INDUSTRIES, 10" x 96" LOW PROFILE AIRPORT BARRIER, AS SHOWN, OR APPROVED EQUAL.
- THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE REFLECTORIZED WITH SMOOTH SURFACE TYPE REFLECTIVE SHEETING.
- LIGHTS MUST BE MOUNTED ON BARRIERS AND SPACED AT NO MORE THAN 10 FT.
- THE BARRIERS SHALL BE WEIGHTED AGAINST PROWASH AND CAPABLE OF WITHSTANDING UP TO 100 M.P.H. WIND FORCES.
- FLASHING RED CAUTION LIGHTS SHALL BE BATTERY OPERATED AND SHALL MAINTAIN SUCH INTENSITY SO AS TO BE READILY IDENTIFIED FROM DISTANCES OF AT LEAST 200 FEET DURING DARKNESS.
- THE CONTRACTOR SHALL CHECK ALL BARRIERS AND LIGHTS EACH DAY BEFORE LEAVING THE AIRPORT TO ENSURE LIGHTS ARE WORKING PROPERLY AND MAY NOT LEAVE WITHOUT ALL BARRIERS AND LIGHTS BEING IN PROPER WORKING ORDER.



ALL CONSTRUCTION EQUIPMENT, STOCKPILES, AND TRAFFIC MUST REMAIN CLEAR OF ANY OPEN TAXIWAY OBJECT FREE AREA.

**5**  
**6** **SAFETY AREAS**  
NOT TO SCALE



CALIFORNIA REDWOOD COAST  
HUMBOLDT COUNTY AIRPORT  
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