

CHINO AIRPORT

REILS FOR RUNWAY 3-21, RUNWAY 8L-26R, AND RUNWAY 8R-26L PROJECT AND VAULT UPGRADE PROJECT

7000 MERRILL AVE
CHINO, CA 91710

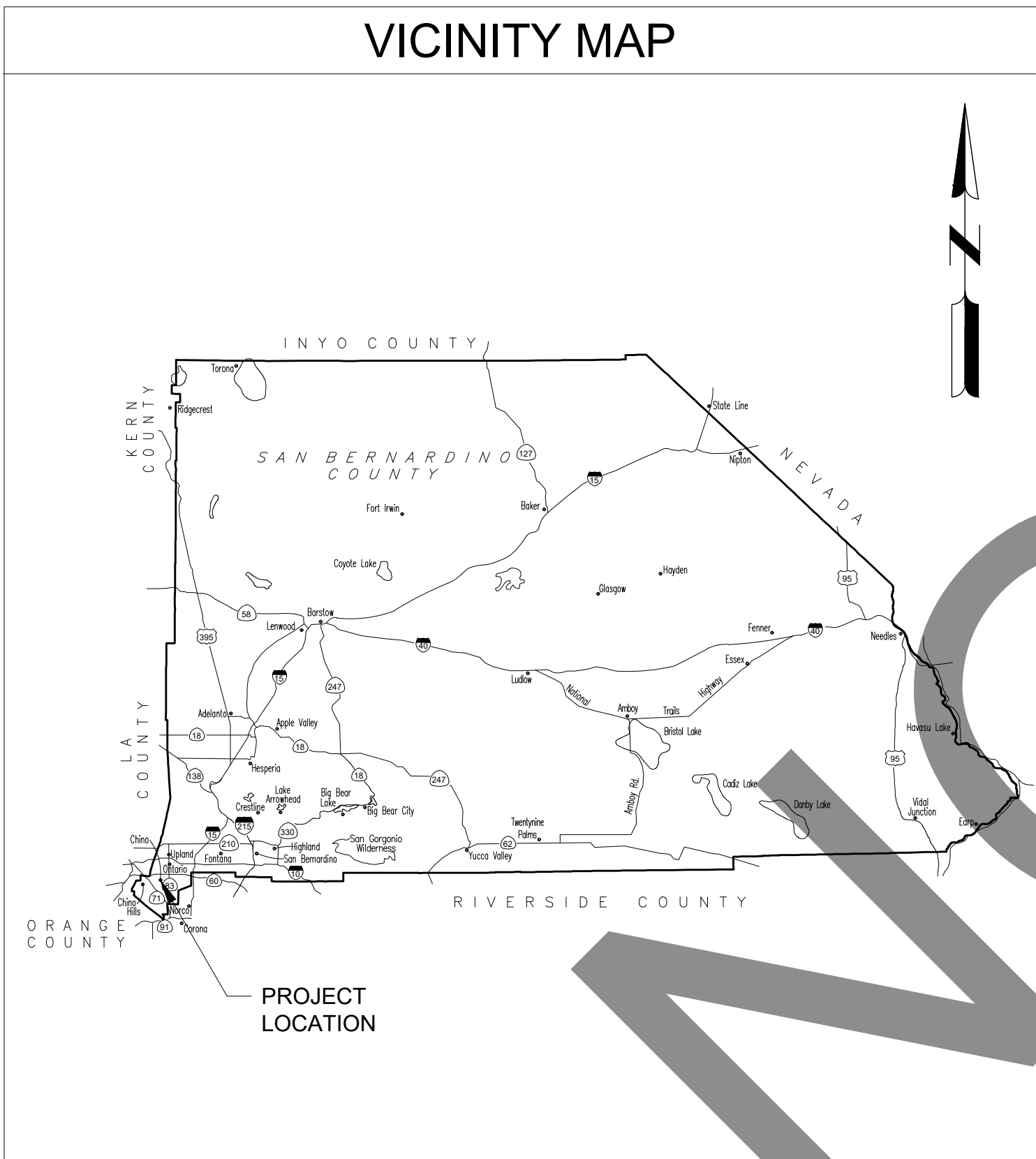
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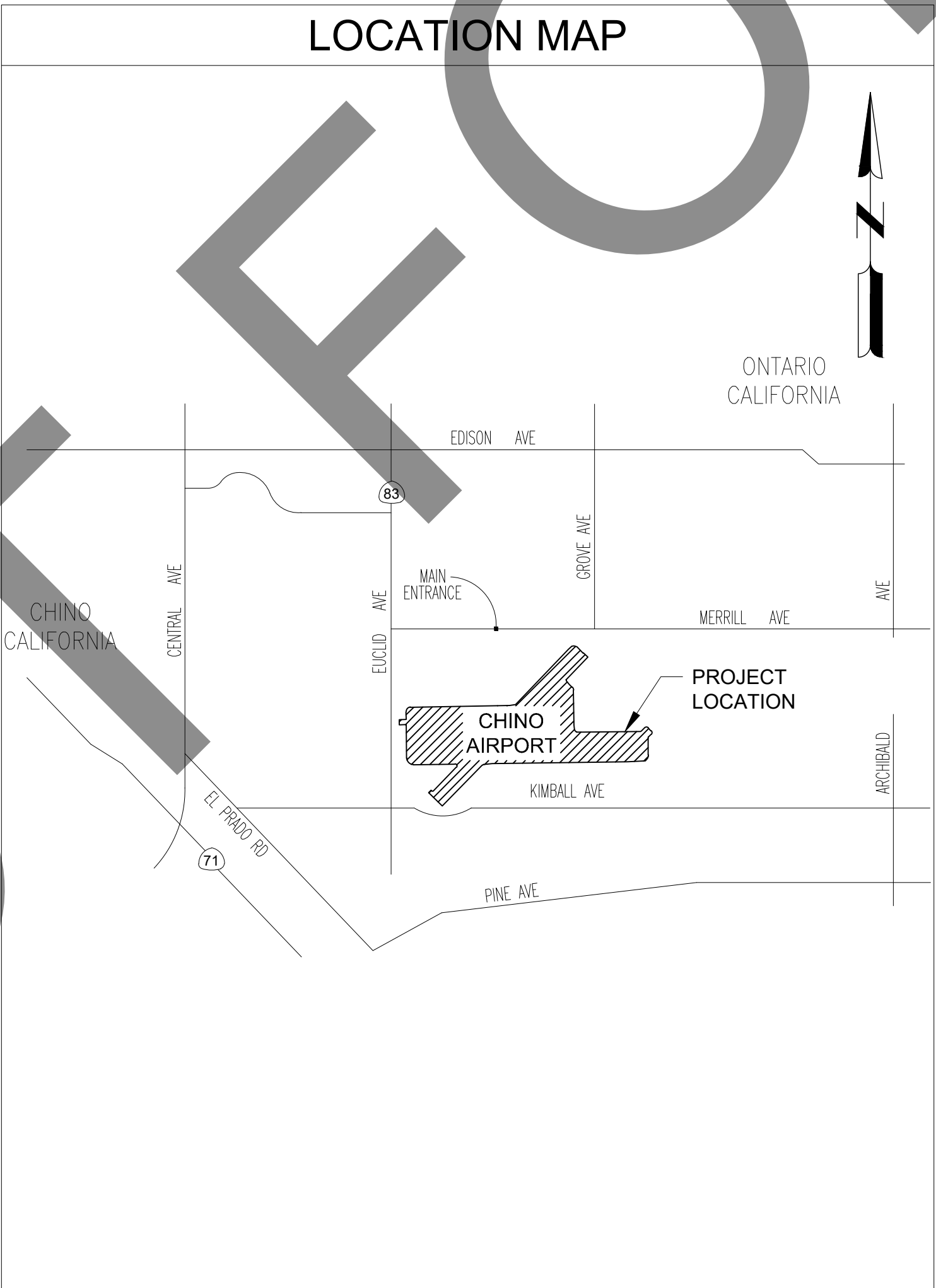
FEBRUARY 28, 2023



SAN BERNARDINO COUNTY



VICINITY MAP



LOCATION MAP

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Know what's below.
Call before you dig.

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EXISTING

LEGEND:

	BASE CAN L-867, WITH LID
	BASE CAN L-868, WITH LID
	RWY C/L BASE
	RLG (ELEVATED BASE MOUNTED)
	RGL (INSET)
	LIRL (ELEVATED BASE MOUNTED)
	LIRL (ELEVATED STAKE MOUNTED)
	LIRL (INSET)
	MIRL (ELEVATED BASE MOUNTED)
	MIRL (ELEVATED STAKE MOUNTED)
	MIRL (INSET)
	HIRL (ELEVATED BASE MOUNTED)
	HIRL (ELEVATED STAKE MOUNTED)
	HIRL (INSET)
	MITL (ELEVATED BASE MOUNTED)
	MITL (ELEVATED STAKE MOUNTED)
	MITL (INSET)
	TW C/L BIDIRECTIONAL
	TW C/L UNIDIRECTIONAL
	AVIATION CONE
	MALS (ELEVATED BASE MOUNTED)
	MALS (INSET)
	MALS WITH SEQUENCE FLASHER (ELEVATED)
	MALS WITH SEQUENCE FLASHER (INSET)
	PAPI
	REIL
	RETROREFLECTOR
	SEQUENCE FLASHER
	TDZ
	VASI
	ANTENNA
	CABLE MARKER
	DUCT MARKER
	GROUNDING LUG
	TIEDOWN
	WINDCONE
	DISTANCE REMAINING SIGN
	GUIDANCE SIGN
	CONDUIT LABEL (CABLE QTY & CIRCUIT NAME)
	AIRFIELD RATED MANHOLE
	NON-AIRCRAFT RATED MANHOLE
	AIRFIELD RATED HANDHOLE
	NON-AIRCRAFT RATED HANDHOLE
	POLYMER CONCRETE HANDHOLE
	LIGHT POLE
	FLOOD/AREA LIGHT
	WATER VALVE

PROPOSED

LEGEND:

	BASE CAN L-867, WITH LID
	BASE CAN L-868, WITH LID
	RWY C/L BASE
	RLG (ELEVATED BASE MOUNTED)
	RGL (INSET)
	LIRL (ELEVATED BASE MOUNTED)
	LIRL (ELEVATED STAKE MOUNTED)
	LIRL (INSET)
	MIRL (ELEVATED BASE MOUNTED)
	MIRL (ELEVATED STAKE MOUNTED)
	MIRL (INSET)
	HIRL (ELEVATED BASE MOUNTED)
	HIRL (ELEVATED STAKE MOUNTED)
	HIRL (INSET)
	MITL (ELEVATED BASE MOUNTED)
	MITL (ELEVATED STAKE MOUNTED)
	MITL (INSET)
	TW C/L BIDIRECTIONAL
	TW C/L UNIDIRECTIONAL
	AVIATION CONE
	MALS (ELEVATED BASE MOUNTED)
	MALS (INSET)
	MALS WITH SEQUENCE FLASHER (ELEVATED)
	MALS WITH SEQUENCE FLASHER (INSET)
	PAPI
	REIL
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	NON-AIRCRAFT RATED MANHOLE
	AIRFIELD RATED HANDHOLE
	NON-AIRCRAFT RATED HANDHOLE
	POLYMER CONCRETE HANDHOLE
	LIGHT POLE
	FLOOD/AREA LIGHT

LEGEND:

	ELECTRIC MANHOLE
	ELECTRIC METER
	ELECTRIC PEDESTAL BOX
	ELECTRIC TRANSFORMER BOX
	ELECTRIC SERVICE PANEL
	ELECTRIC HANDHOLE (PULLBOX)
	GUY ANCHOR
	LIGHT BOLLARD
	FLOODLIGHT POLE
	LIGHT POLE (SINGLE)
	LIGHT POLE (DOUBLE)
	MARKER, CABLE
	MARKER, DUCT
	POWER POLE
	POWER POLE, DOUBLE
	POWER POLE WITH LIGHT
	TELECOMMUNICATIONS MANHOLE
	TELECOMMUNICATIONS PEDESTAL BOX
	CTV PEDESTAL BOX
	PROPOSED DUCTBANK
	EXISTING DUCTBANK
	REMOVE DUCTBANK

LINES

LEGEND:

	ACL
	AIRCRAFT PARKING LIMIT
	AIRPORT OPERATION AREA
	APPROACH SURFACE
	BUILDING RESTRICTION LINE
	DEPARTURE RUNWAY PROTECTION ZONE
	DEPARTURE SURFACE
	FAA
	GLIDE SLOPE CRITICAL AREA
	GROUND CONTROL APPROACH
	GROUNDING WIRE
	OBJECT FREE AREA
	OBJECT FREE ZONE
	RUNWAY GUARD LIGHTS
	RUNWAY OBJECT FREE AREA
	RUNWAY PROTECTION ZONE
	RUNWAY RESTRICTED AREA
	RUNWAY SURFACE APPROACH
	RUNWAY WORK AREA
	SECURITY IDENTIFICATION DISPLAY AREA
	TAXIWAY OBJECT FREE AREA
	TAXIWAY SAFETY AREA
	RUNWAY CIRCUIT
	TAXIWAY CIRCUIT
	PAPI CIRCUIT
	VASI CIRCUIT
	WC CIRCUIT
	APPROACH LIGHTS CIRCUIT
	COUNTERPOISE
	ELECTRIC, OVERHEAD
	ELECTRIC CABLE, UNDERGROUND
	ELECTRIC CONDUIT, UNDERGROUND
	FIBER OPTIC CABLE
	SIGNAL CABLE, UNDERGROUND
	TELEPHONE, OVERHEAD
	TELEPHONE, UNDERGROUND
	WATER
	SANITARY SEWER
	STORM DRAIN / CULVERT
	NATURAL GAS

ABBREVIATIONS

AB	AGGREGATE BASE	FL	FLOW LINE	PVC	POINT OF VERTICAL CURVE
AC	ASPHALT CONCRETE	FPS	FEET PER SECOND	PVC	POLYVINYL CHLORIDE
ALT	ALTERNATE	FT	FEET	PVI	POINT OF VERTICAL INTERSECTION
AOA	AIRCRAFT OPERATIONS AREA	G	GAS LINE	PVT	POINT OF VERTICAL TANGENCY
APCH	APPROACH	GAL	GALLON	Q	RATE OF FLOW
APPROX	APPROXIMATE	GALV	GALVANIZED	QTY	QUANTITY
ASB	AGGREGATE SUB-BASE	GB	GRADE BREAK	R	RADIUS
AR	ACCESS ROAD	GND	GROUND	R&R	REMOVE AND REPLACE
ATCT	AIR TRAFFIC CONTROL TOWER	GPM	GALLONS PER MINUTE	RC	RELATIVE COMPACTION
AWG	AMERICAN WIRE GAUGE	GS	GROUND SHOT	RCP	REINFORCED CONCRETE PIPE
BC	BEGINNING OF CURVE	H	HEIGHT	REQ	REQUIRED
BIT	BITUMINOUS	HDPE	HIGH DENSITY POLYETHYLENE	ROW	RIGHT OF WAY
BLDG	BUILDING	HIRL	HIGH INTENSITY RUNWAY LIGHT	RWA	RUNWAY WORK RESTRICTED AREA
DM	BENCHMARK	HIR,THL	HIGH INTENSITY THRESHOLD LIGHT	RWY	RUNWAY
BOT	BOTTOM	HORIZ	HORIZONTAL	S	SANITARY LINE
BVC	BEGINNING OF VERTICAL CURVE	HP	HIGH POINT	SF	SQUARE FOOT
C-C	CENTER TO CENTER	HW	HEADWALL	SG	STRAIGHT GRADE
CB	CATCH BASIN	HWL	HIGH WATER LEVEL	SH	SHOULDER
CIPCP	CAST IN-PLACE CONCRETE PIPE	HWY	HIGHWAY	SIDA	SECURITY IDENTIFICATION DISPLAY AREA
CJ	CONSTRUCTION JOINT	IE	INVERT ELEVATION	SMGS	SURFACE MOVEMENT GUIDANCE AND CONTROL SYSTEM
CFS	CUBIC FEET PER SECOND	IN	INCHES	SS	STAINLESS STEEL
CL	CENTERLINE	L	LENGTH	ST	STORM LINE
CLF	CHAINLINK FENCE	LBS	POUNDS	STA	STATION
CLR	CLEAR	LF	LINEAL FEET	STD	STANDARD
CMP	CORRUGATED METAL PIPE	LWL	LOW WATER LEVEL	STL	STEEL
CO	CLEANOUT	MAX	MAXIMUM	T	TELEPHONE LINE
CONC	CONCRETE	MID	MID POINT	TC	TOP OF CURB
CONT	CONTINUOUS	MIN	MINIMUM	TG	TOP OF GRATE
CRGO	CARGO	MIRL	MEDIUM INTENSITY RUNWAY LIGHT	T/L	TAXILINE
CP	CONTROL POINT	MITL	MEDIUM INTENSITY TAXIWAY LIGHT	TOE	TOE OF BANK
CTB	CEMENT TREATED BASE	MPH	MILES PER HOUR	TOP	TOP OF BANK
DB	DIRECT BURIAL	(N)	NEW	TWY	TAXIWAY
DEG	DEGREE	NO. OR #	NUMBER	TYP	TYPICAL
DI	DROP INLET	NOTMA	NOTICE TO AIRMAN	UD	UNDERDRAIN
DIA	DIAMETER	NTS	NOT TO SCALE	UG	UNDERGROUND
DIM	DIMENSION	OC	ON CENTER	UON	UNLESS OTHERWISE NOTED
DIP	DUCTILE IRON PIPE	OH	OVERHEAD	V	VELOCITY
DP	DEPTH	OWS	OIL WATER SEPERATOR	VC	VERTICAL CURVE
(E)	EXISTING	PB	PULL BOX	VERT	VERTICAL
E	ELECTRICAL LINE	PC	POINT OF CURVATURE	VG	VALLEY GUTTER
EC	END OF CURVE	PCC	PORTLAND CEMENT CONCRETE	VIF	VERIFY IN FIELD
EG	EXISTING GRADE	PCF	POUNDS PER CUBIC FOOT	W	WATER LINE
ELEV	ELEVATION	PERF	PERFORATED	W/	WITH
EOP	EDGE OF PAVEMENT	PI	POINT OF INTERSECTION	W/O	WITHOUT
EVC	END OF VERTICAL CURVE	POB	POINT OF BEGINNING	WSE	WATER SURFACE ELEVATION
FAA	FEDERAL AVIATION ADMINISTRATION	POC	POINT OF CURVE	WSP	WELDED STEEL PIPE
FBO	FIXED BASE OPERATOR	POE	POINT OF ENDING	WV	WATER VALVE
FF	FINISHED FLOOR	PSI	POUNDS PER SQUARE INCH	WWM	WELDED WIRE MESH
FG	FINISHED GRADE	PSF	POUNDS PER SQUARE FOOT		
FH	FIRE HYDRANT	PT	POINT OF TANGENCY		

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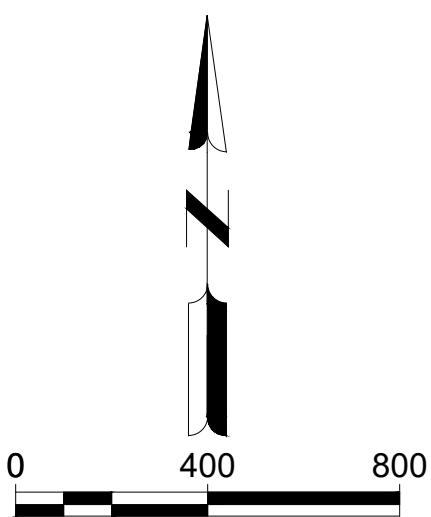
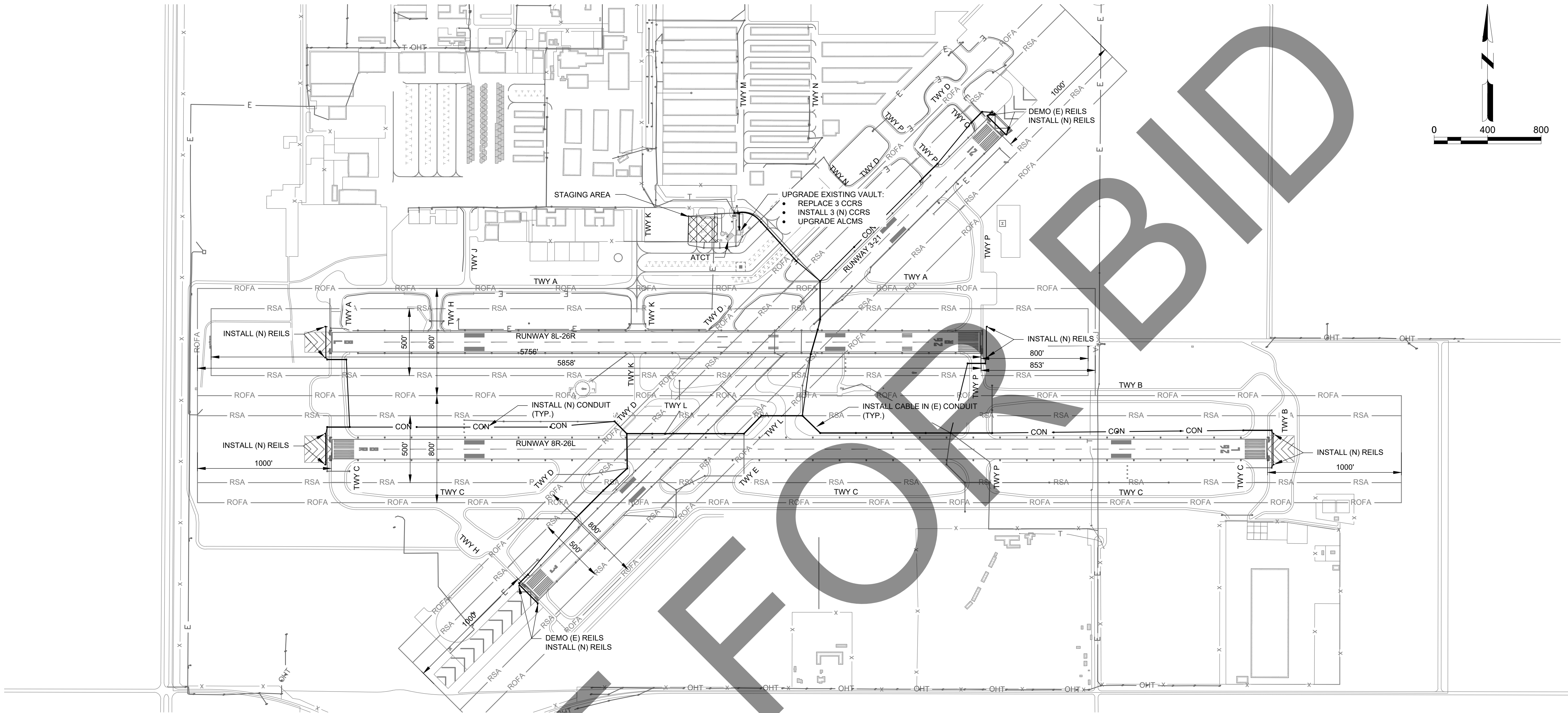
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SHEET CONTENTS
LEGEND &
ABBREVIATIONS

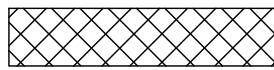
SHEET NO. 2 OF 38

G-002

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LEGEND:

 STAGING AREA

GENERAL NOTES

1. SEE SHEETS G-081 THROUGH G-082 FOR CONSTRUCTION PHASING, DETAILS, NOTES, CONSTRUCTION ACCESS, AND HAUL ROUTES.
2. SEE SHEETS E-200 THROUGH E-214 FOR ELECTRICAL LAYOUT PLANS AND DETAILS.
2. SEE SHEETS E-501 THROUGH E-502 FOR VAULT DETAILS.
3. CONTRACTOR SHALL PROTECT EXISTING UTILITIES TO REMAIN THROUGHOUT CONSTRUCTION.
4. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

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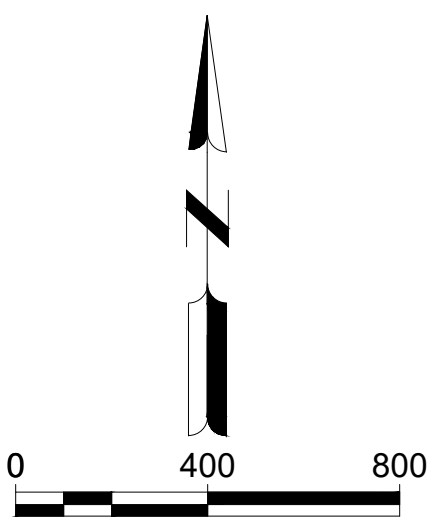
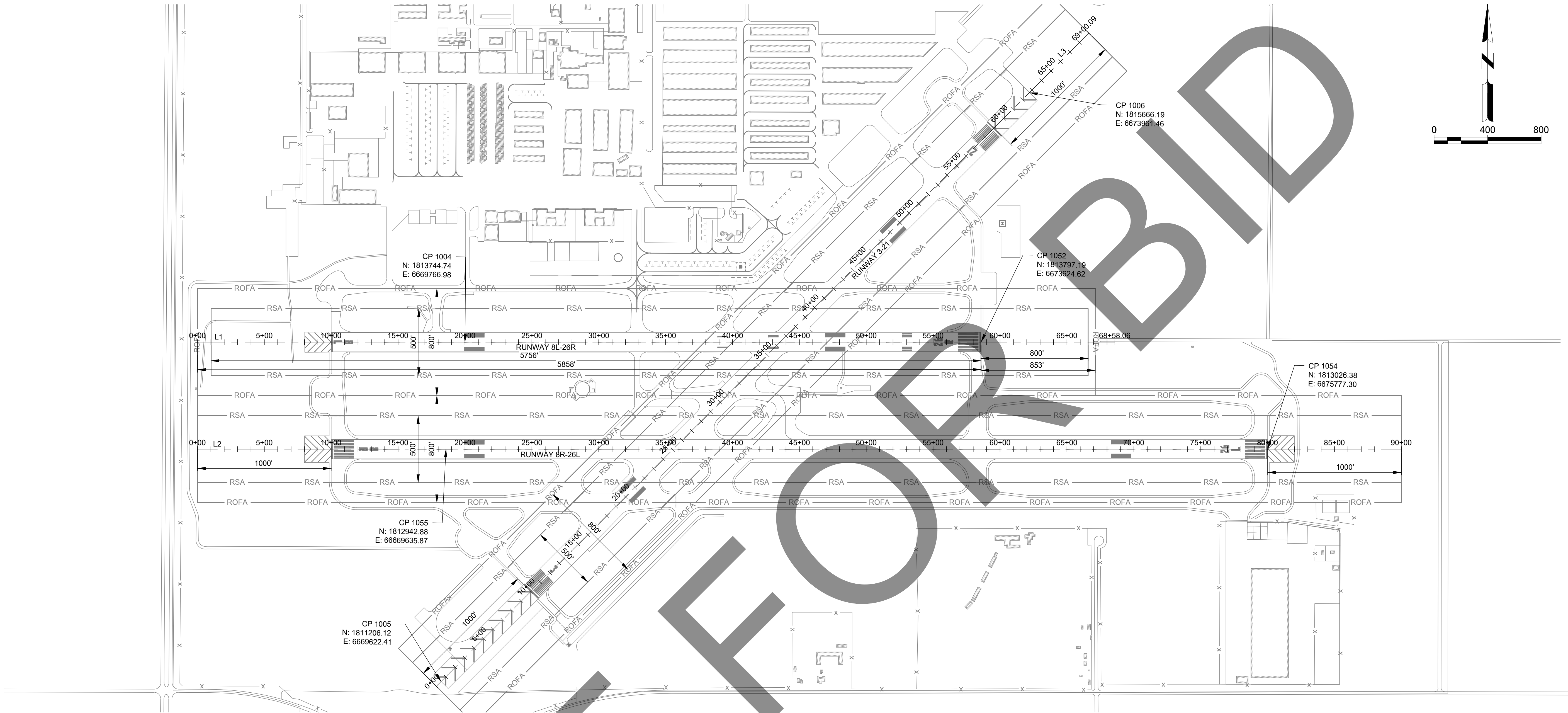
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SHEET CONTENTS
PROJECT LAYOUT
PLAN

SHEET NO. 3 OF 38

G-021

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SURVEY NOTES:

NO FIELD SURVEY WAS PERFORMED AS PART OF THIS DESIGN. ALL SURVEY INFORMATION SHOWN WAS OBTAINED FROM PREVIOUS PROJECTS ON THIS AIRPORT.

PROJECT CONTROL - HORIZONTAL:

THE BASIS OF BEARINGS AND COORDINATES FOR THIS SURVEY IS CCS83, ZONE V. THE CONTROL POINTS SHOWN WERE USED TO ESTABLISH THE RUNWAY CENTERLINES, WHICH ARE DETAILED IN THE TABLES AT LEFT.

PROJECT CONTROL - VERTICAL:

NO VERTICAL DATUM IS USED IN THIS PROJECT, AS ALL ELEVATION INFORMATION WILL BE RELATIVE TO EXISTING INFRASTRUCTURE.

NOTE:
PRIOR TO STARTING WORK, CONTRACTOR TO VERIFY SURVEY CONTROL POINTS AND REPORT ANY DISCREPANCIES TO THE ENGINEER

RUNWAY 8L-26R ALIGNMENT DATA							
LINE #	LENGTH	START STATION	START NORTHING	START EASTING	END NORTHING	END EASTING	END STATION
L1	6858.06	0+00.00	1813717.5516	6667767.1051	1813810.7809	6674624.5318	68+58.06

RUNWAY 8R-26L ALIGNMENT DATA							
LINE #	LENGTH	START STATION	START NORTHING	START EASTING	END NORTHING	END EASTING	END STATION
L2	9000.06	0+00.00	1812917.6255	6667777.9804	1813039.9734	6676777.2092	90+00.06

RUNWAY 3-21 ALIGNMENT DATA							
LINE #	LENGTH	START STATION	START NORTHING	START EASTING	END NORTHING	END EASTING	END STATION
L3	6900.09	0+00.00	1811170.4441	6669587.7085	1816116.1872	6674399.2403	69+00.09

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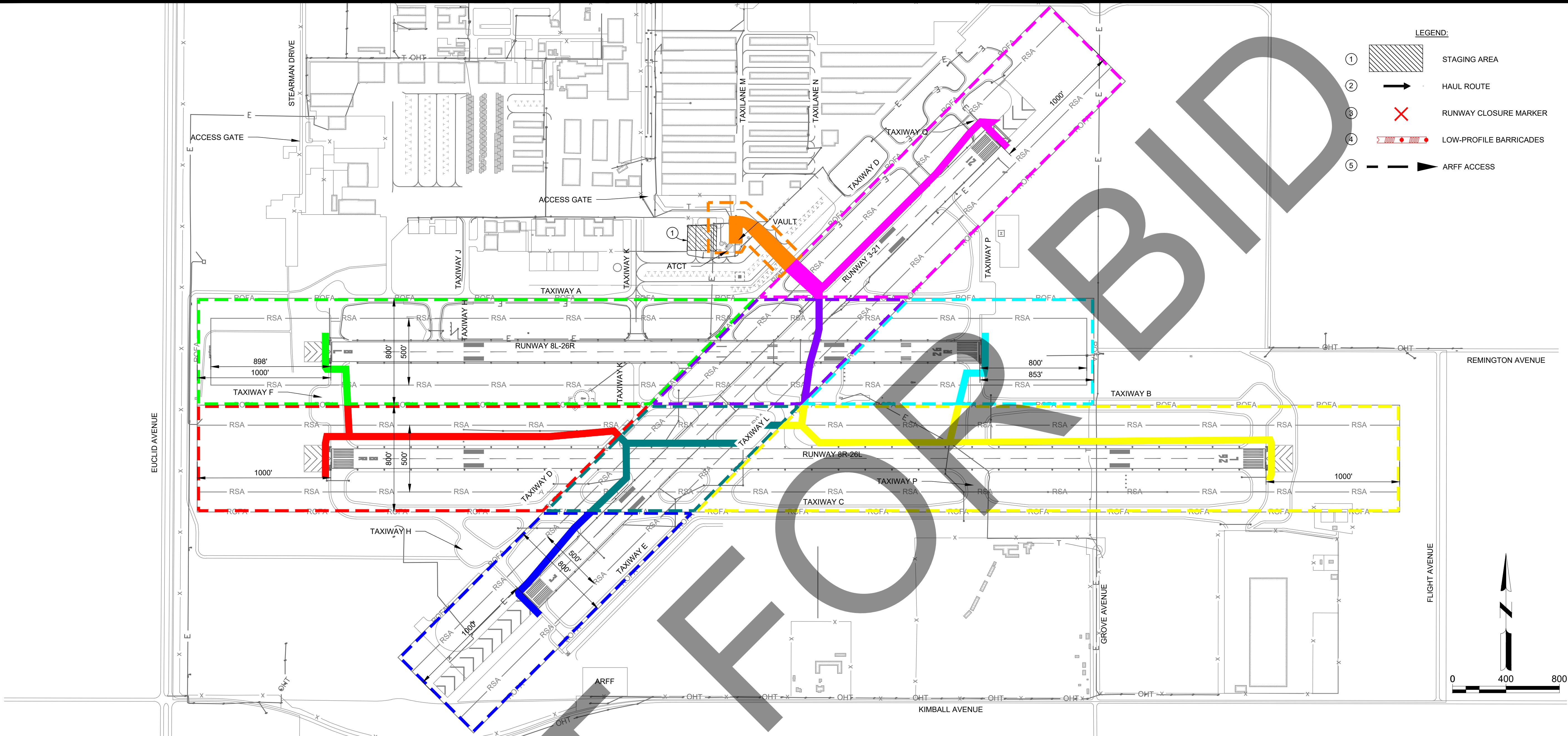
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SHEET CONTENTS
SURVEY CONTROL
PLAN

SHEET NO. 4 OF 38

G-041

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

GENERAL PHASING NOTES:

- ALL PAVEMENT USED FOR HAULING SHALL BE SWEEPED/VACUUMED BY THE CONTRACTOR PRIOR TO OPENING TO AIRCRAFT TRAFFIC. AREAS TO BE OPENED SHALL BE CLEANED AND READY FOR INSPECTION BY AIRPORT OPERATIONS STAFF 30 MINUTES PRIOR TO PAVEMENT OPENING.
- MARKINGS DAMAGED BY HAULING SHALL BE PRESSURE WASHED AT NO ADDITIONAL COST AND A NEW COAT OF PAINT WITH BEADS APPLIED AT CONTRACT RATE.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR WRITTEN NOTIFICATION TO THE AIRPORT PRIOR TO CLOSING THE NEXT WORK AREA.
- BARRICADE LOCATIONS ARE SCHEMATIC AND SHALL BE PLACED AT LIMIT OF HATCHING SHOWN ON PLAN UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR AIRPORT OPERATIONS.

PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	8 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

WORK AREA A	WORK AREA F
WORK AREA B	WORK AREA G
WORK AREA C	WORK AREA H
WORK AREA D	WORK AREA I
WORK AREA E	

NOTE: PRINT IN COLOR

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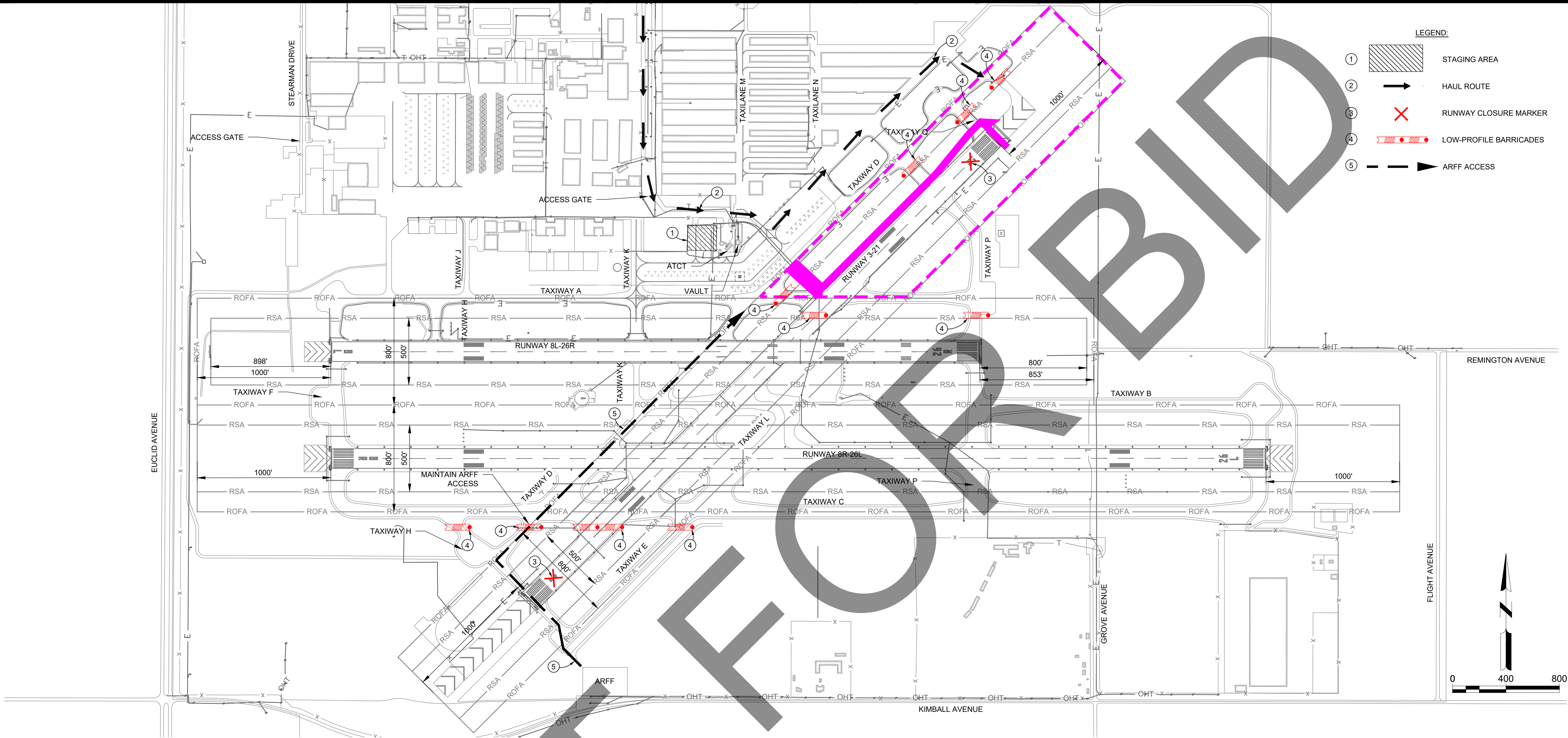
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SHEET CONTENTS
CONSTRUCTION
SAFETY AND PHASING
PLAN OVERALL

SHEET NO. 5 OF 38

G-100

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

GENERAL PHASING NOTES:

- ALL PAVEMENT USED FOR HAULING SHALL BE SWEEP/VACUUMED BY THE CONTRACTOR PRIOR TO OPENING TO AIRCRAFT TRAFFIC. AREAS TO BE OPENED SHALL BE CLEANED AND READY FOR INSPECTION BY AIRPORT OPERATIONS STAFF 30 MINUTES PRIOR TO PAVEMENT OPENING.
- MARKINGS DAMAGED BY HAULING SHALL BE PRESSURE WASHED AT NO ADDITIONAL COST AND A NEW COAT OF PAINT WITH BEADS APPLIED AT CONTRACT RATE.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR WRITTEN NOTIFICATION TO THE AIRPORT PRIOR TO CLOSING THE NEXT WORK AREA.
- BARRICADE LOCATIONS ARE SCHEMATIC AND SHALL BE PLACED AT LIMIT OF HATCHING SHOWN ON PLAN UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR AIRPORT OPERATIONS.

PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	6 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

WORK AREA A	WORK AREA F
WORK AREA B	WORK AREA G
WORK AREA C	WORK AREA H
WORK AREA D	WORK AREA I
WORK AREA E	

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AND RUNWAY 8R-26L PROJECT AND
VAULT UPGRADE PROJECT
7000 MERRILL AVE
CHINO, CA 91710

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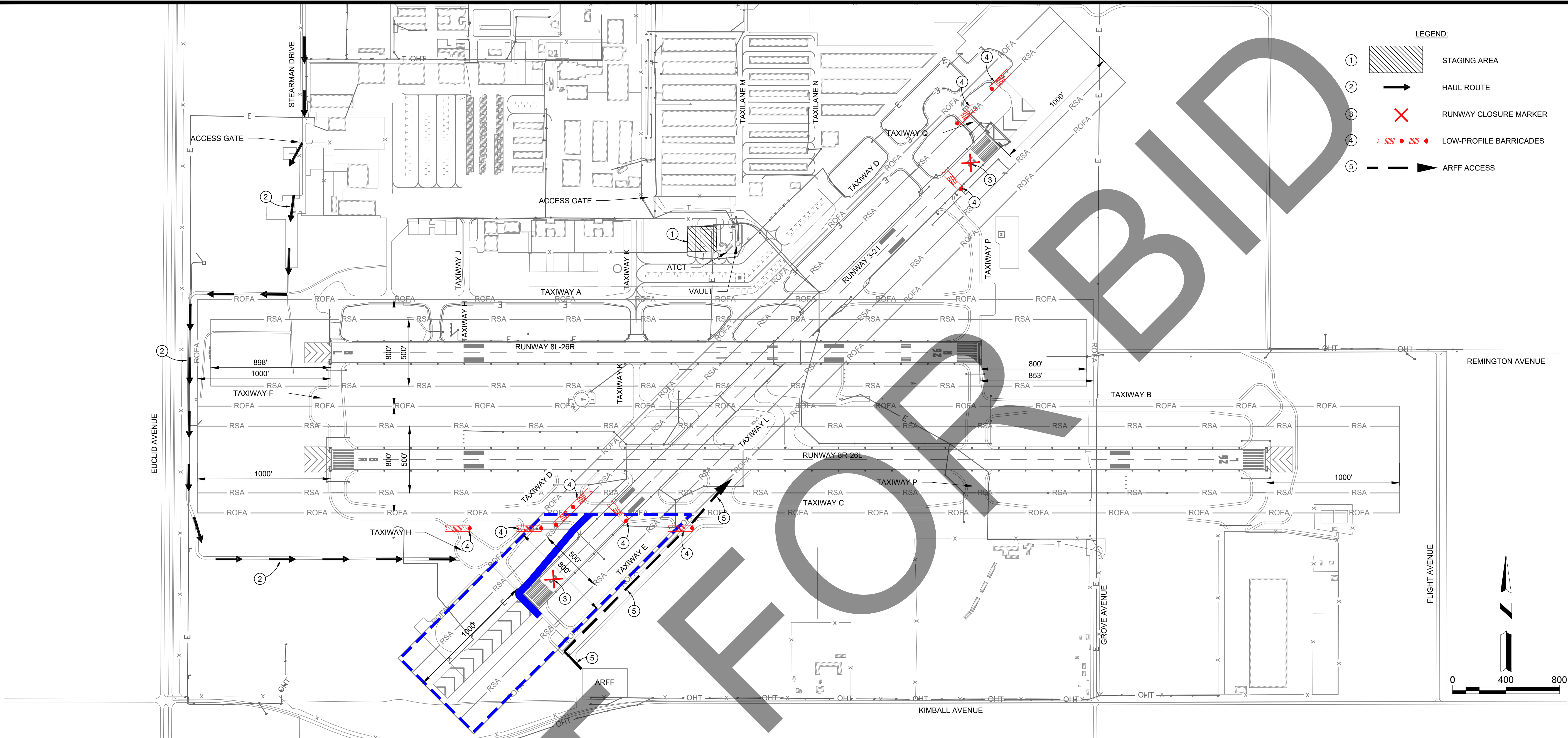
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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

GENERAL PHASING NOTES:

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	6 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

WORK AREA A	WORK AREA F
WORK AREA B	WORK AREA G
WORK AREA C	WORK AREA H
WORK AREA D	WORK AREA I
WORK AREA E	

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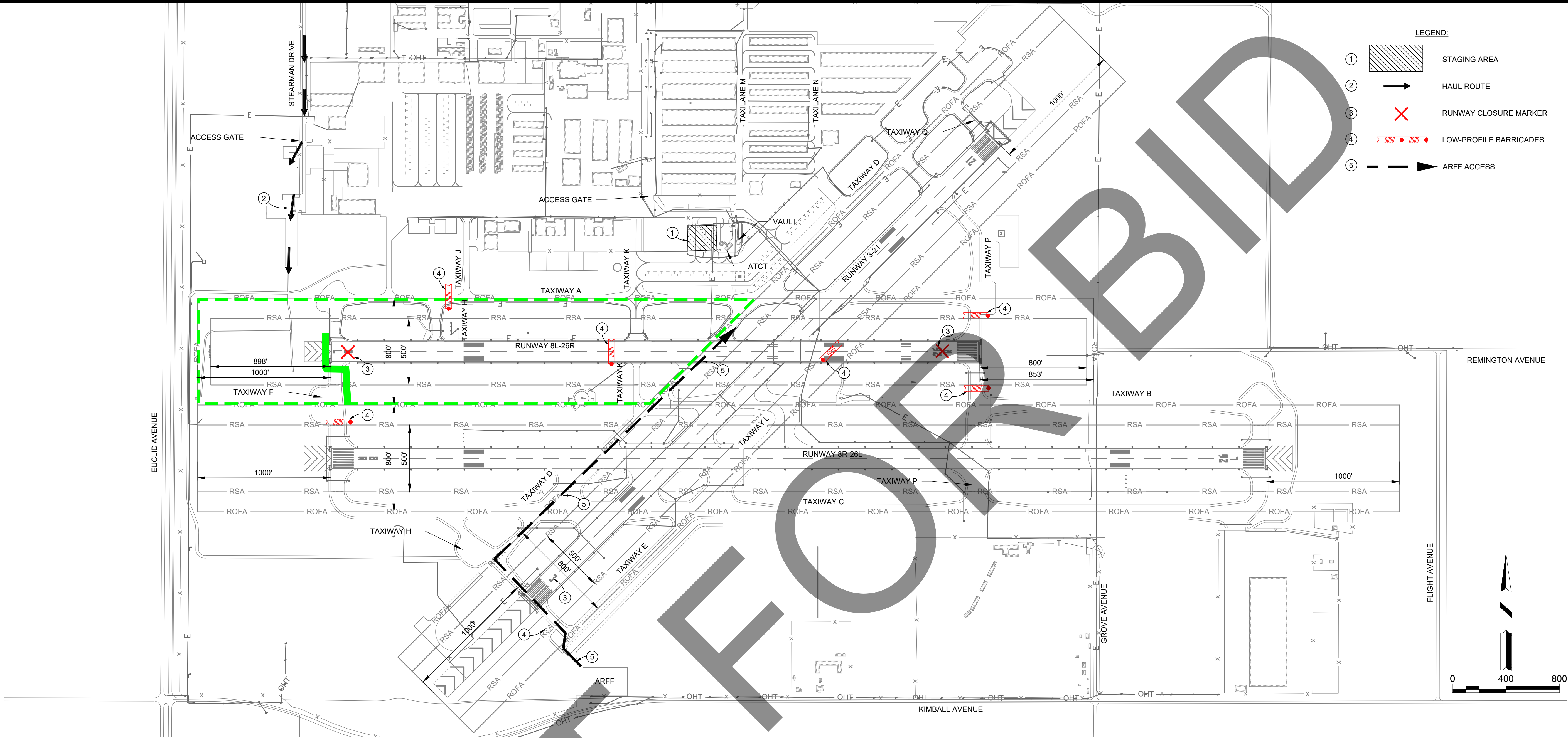
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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	6 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

WORK AREA A	WORK AREA F
WORK AREA B	WORK AREA G
WORK AREA C	WORK AREA H
WORK AREA D	WORK AREA I
WORK AREA E	

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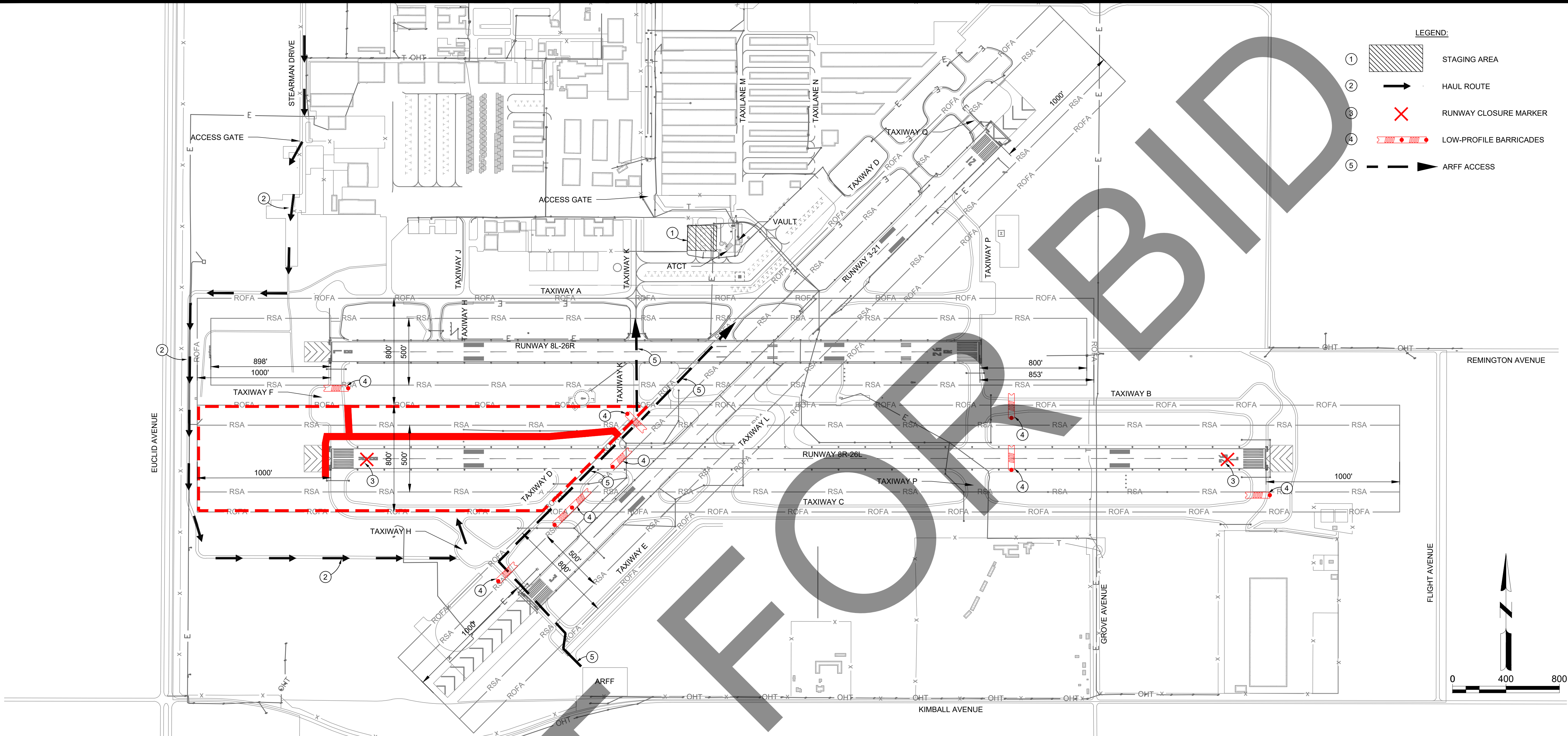
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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	6 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

	WORK AREA A		WORK AREA F
	WORK AREA B		WORK AREA G
	WORK AREA C		WORK AREA H
	WORK AREA D		WORK AREA I
	WORK AREA E		

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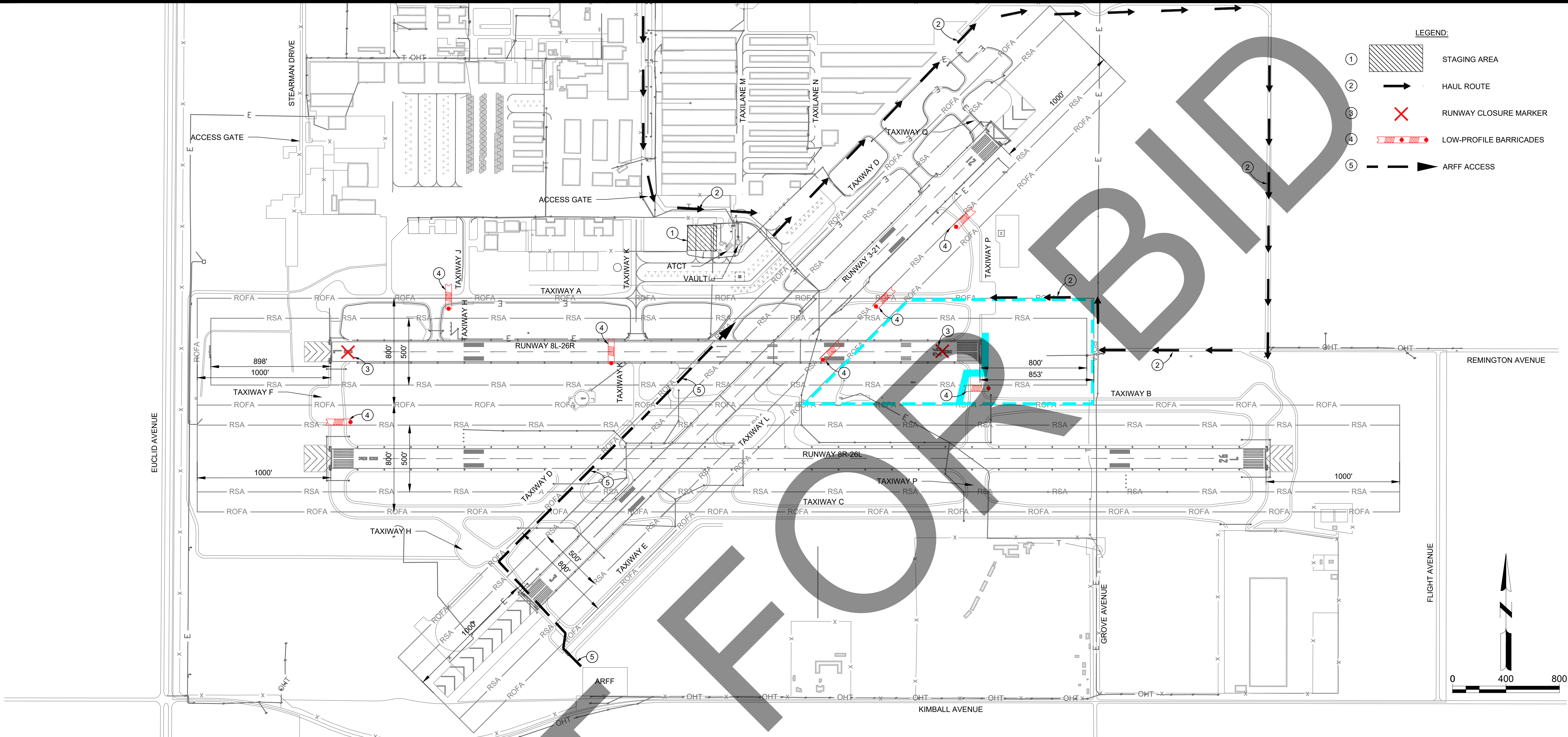
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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	6 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

WORK AREA A	WORK AREA F
WORK AREA B	WORK AREA G
WORK AREA C	WORK AREA H
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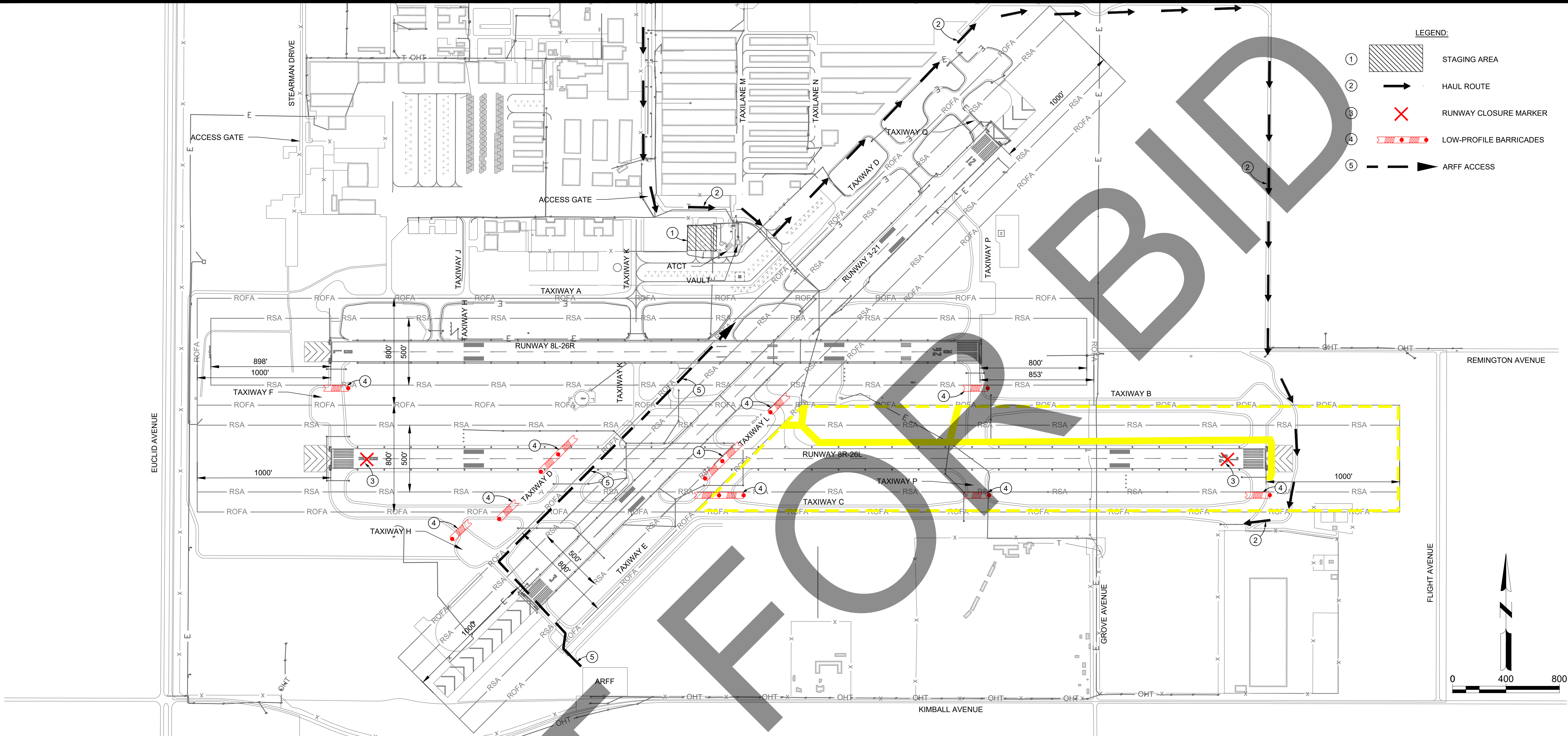
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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

GENERAL PHASING NOTES:

- ALL PAVEMENT USED FOR HAULING SHALL BE SWEEPED/VACUUMED BY THE CONTRACTOR PRIOR TO OPENING TO AIRCRAFT TRAFFIC. AREAS TO BE OPENED SHALL BE CLEANED AND READY FOR INSPECTION BY AIRPORT OPERATIONS STAFF 30 MINUTES PRIOR TO PAVEMENT OPENING.
- MARKINGS DAMAGED BY HAULING SHALL BE PRESSURE WASHED AT NO ADDITIONAL COST AND A NEW COAT OF PAINT WITH BEADS APPLIED AT CONTRACT RATE.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM 48-HOUR WRITTEN NOTIFICATION TO THE AIRPORT PRIOR TO CLOSING THE NEXT WORK AREA.
- BARRICADE LOCATIONS ARE SCHEMATIC AND SHALL BE PLACED AT LIMIT OF HATCHING SHOWN ON PLAN UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR AIRPORT OPERATIONS.

PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	6 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

	WORK AREA A		WORK AREA F
	WORK AREA B		WORK AREA G
	WORK AREA C		WORK AREA H
	WORK AREA D		WORK AREA I
	WORK AREA E		

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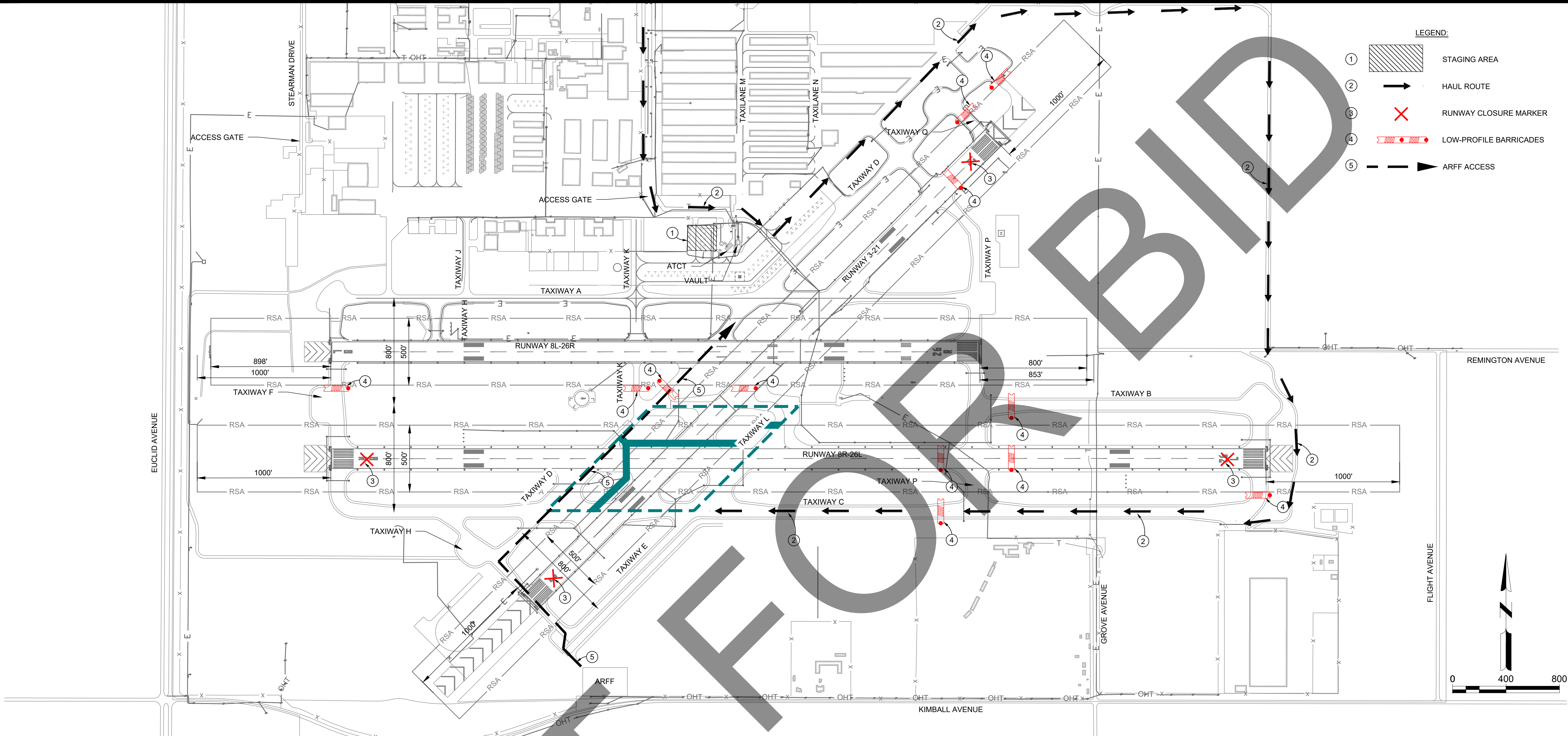
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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	6 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

	WORK AREA A		WORK AREA F
	WORK AREA B		WORK AREA G
	WORK AREA C		WORK AREA H
	WORK AREA D		WORK AREA I
	WORK AREA E		

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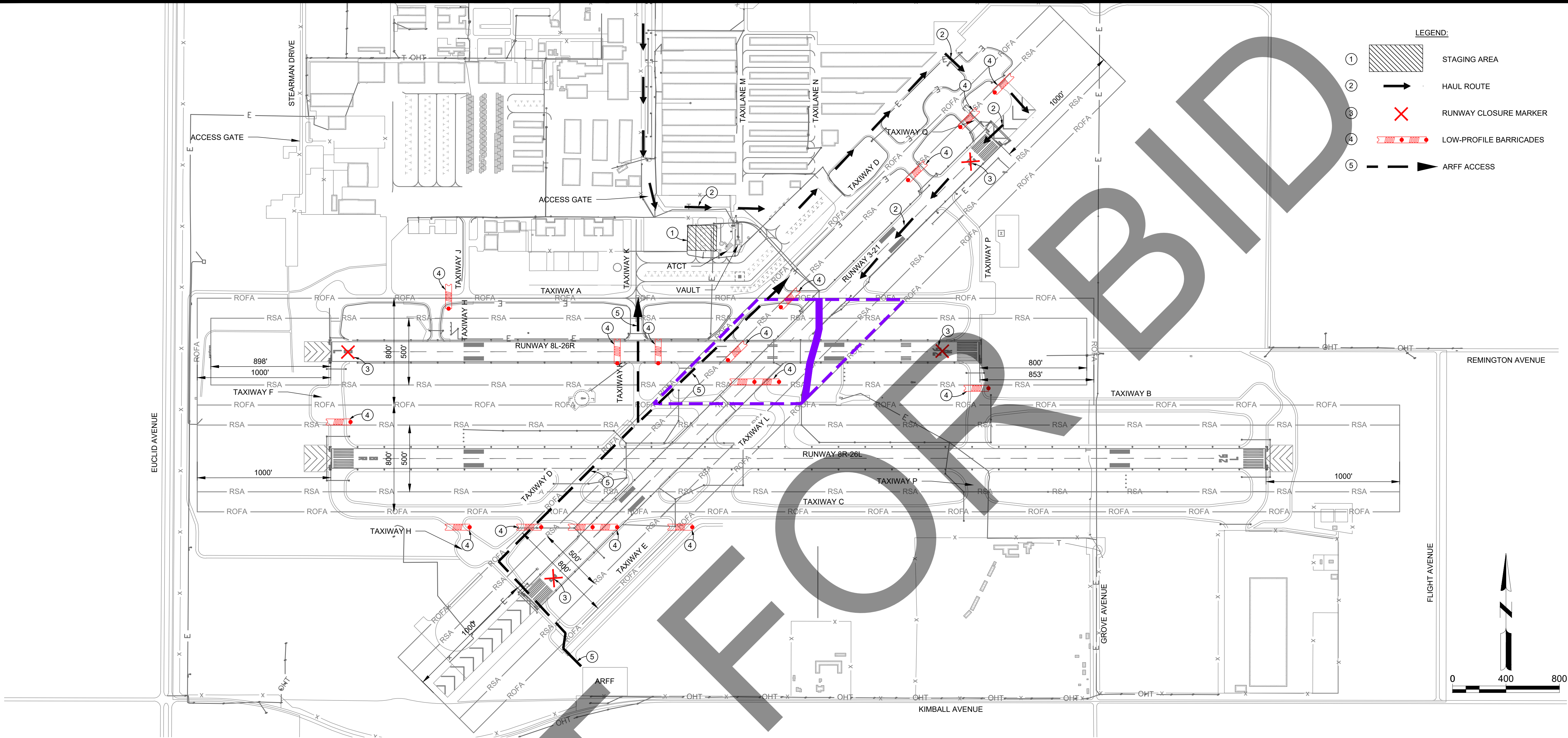
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PLAN - PHASE 7

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	6 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

WORK AREA A	WORK AREA F
WORK AREA B	WORK AREA G
WORK AREA C	WORK AREA H
WORK AREA D	WORK AREA I
WORK AREA E	

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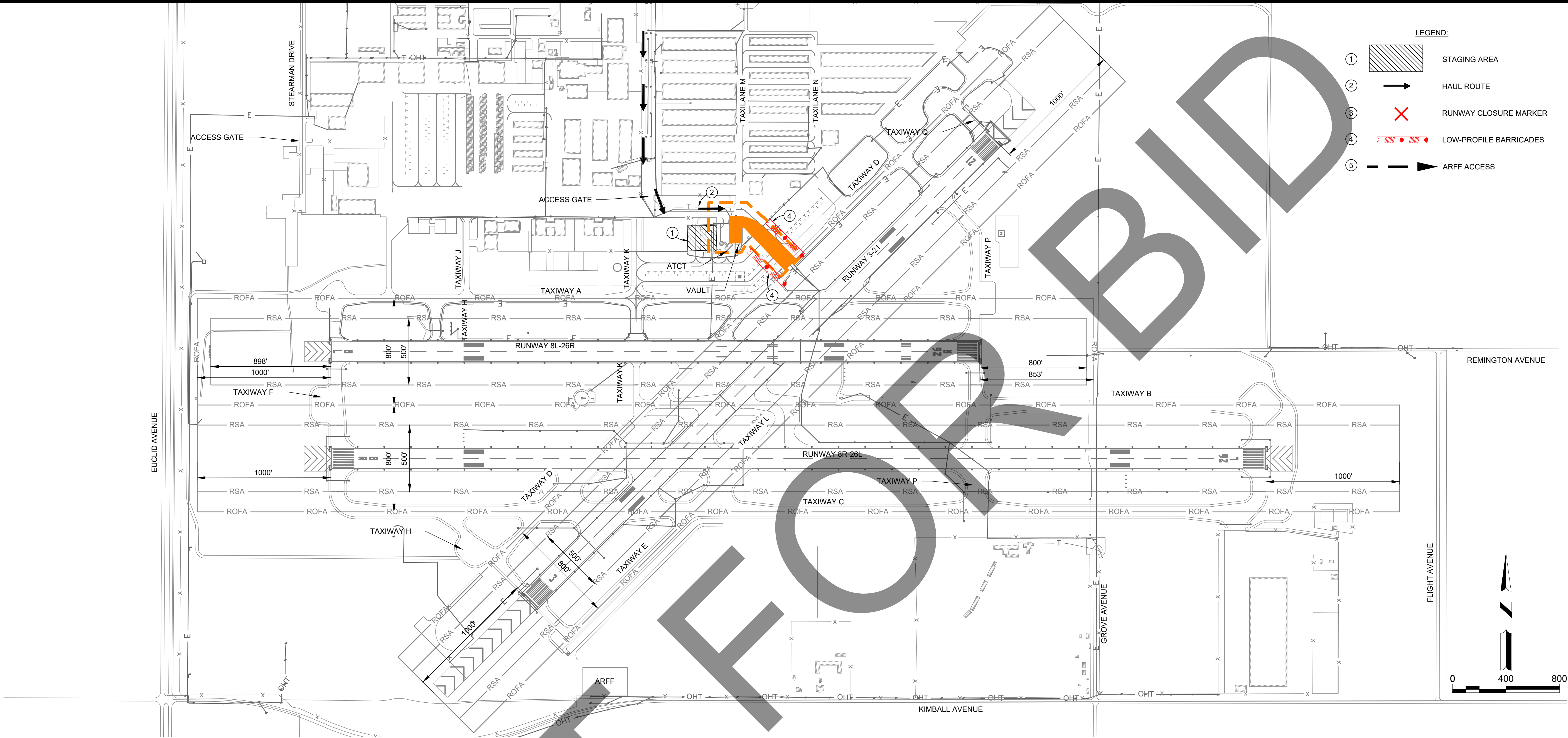
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PLAN - PHASE 8

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
MOB	N/A	NORMAL HOURS	• MOBILIZATION • SUBMITTALS • SCHEDULE COORDINATION	NONE	NONE	30 DAYS	
1	A	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 21	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	5 DAYS	
2	B	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 3	RW 3-21	RW 8L-26R, RW 8R-26L TW A TO TW Q	4 DAYS	
3	C	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8L	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	
4	D	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 8R	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
5	E	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26R	RW 8L-26R	RW 8R-26L, RW 3-21 TW A TO TW Q	3 DAYS	

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PHASE	WORK AREA	WORK HOURS	WORK	PAVEMENT CLOSURES FOR PHASE	OPERATIONAL THRU TRAFFIC PER WORK AREA	CALENDAR DAYS	WORK AREA NOTES
6	F	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION • CABLE INSTALLATION • REIL INSTALLATION AT RW 26L	RW 8R-26L	RW 8L-26R, RW 3-21 TW A TO TW Q	5 DAYS	
7	G	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8R-26L AND RW 3-21 INTERSECTION	RW 8R-26L RW 3-21	RW 8L-26R TW A TO TW Q	1 DAY	
8	H	M-F 07:00 - 17:00	• CABLE AND INSTALLATION AT RW 8L-26R AND RW 3-21 INTERSECTION	RW 8L-26R RW 3-21	RW 8R-26L, TW A TO TW Q	2 DAYS	
9	I	M-F 07:00 - 17:00	• CABLE & CONDUIT INSTALLATION BACK TO VAULT ROOM	APRON AREA, AS SHOWN ON PLANS	TW D (NORTH OF TW A, SOUTH OF TW N)	8 DAYS	APRON AREA TO BE CLOSED ONLY AS NEEDED.

WORK AREA LEGEND:

WORK AREA A	WORK AREA F
WORK AREA B	WORK AREA G
WORK AREA C	WORK AREA H
WORK AREA D	WORK AREA I
WORK AREA E	

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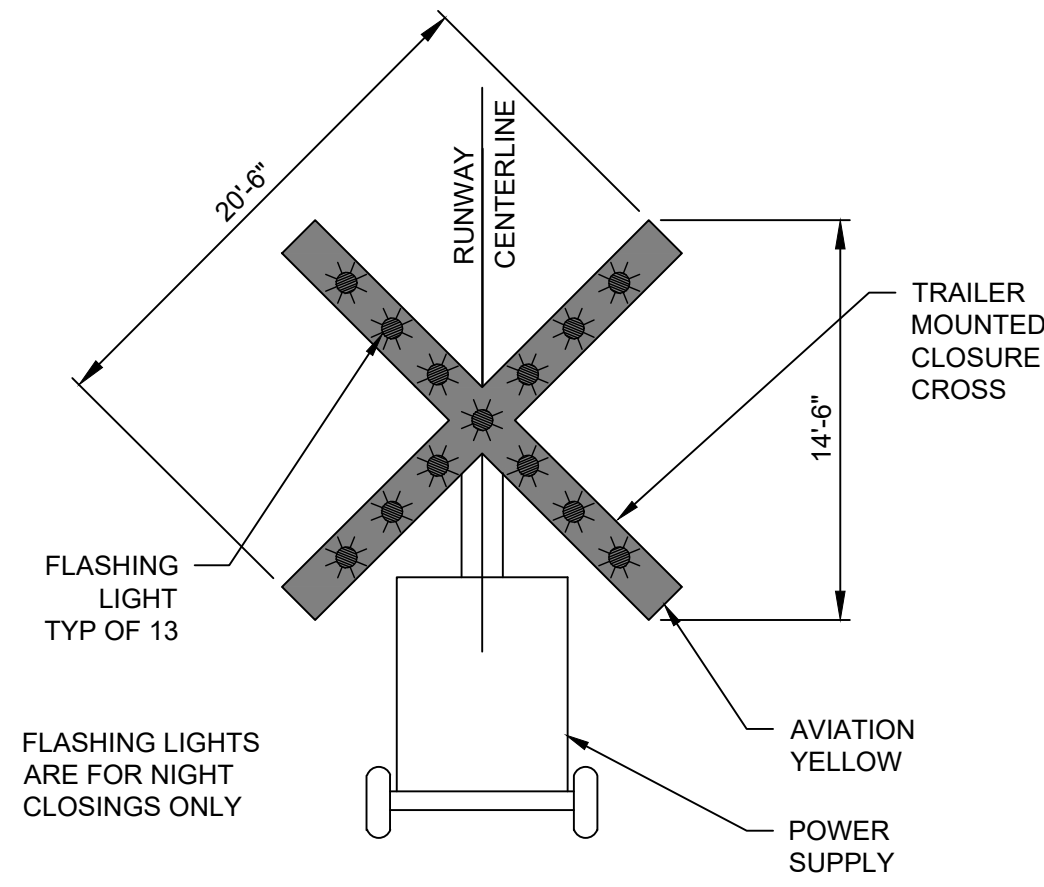
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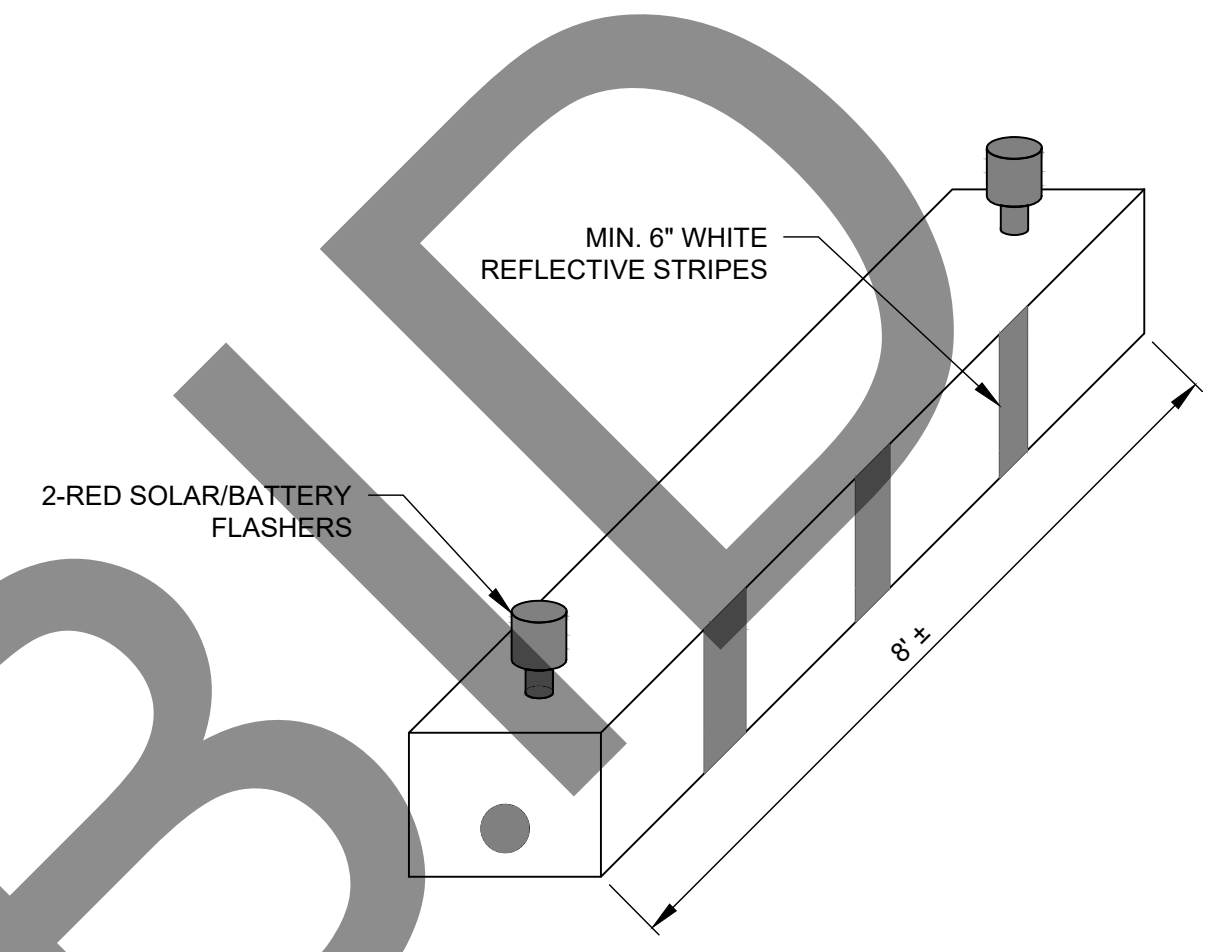
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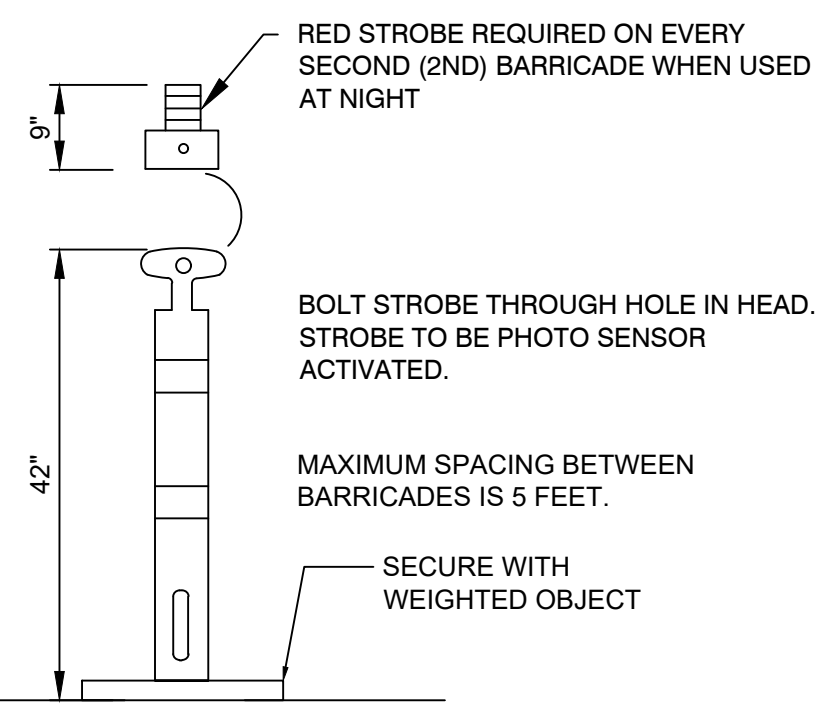
- NOTES:
1. TEMPORARY RUNWAY CLOSURE MARKERS TO BE SUPPLIED, AND PLACED BY THE AIRPORT. DISTRICT WILL BE RESPONSIBLE FOR PLACING AND MAINTAINING CLOSURE MARKERS.

3 **RUNWAY CLOSURE MARKERS (TRAILER MOUNTED)**
NO SCALE



- NOTES:
1. BARRICADES SHALL BE LOW PROFILE BARRIER, UV RESISTANT POLYETHYLENE WATER FILLED, ORANGE AND WHITE, WITH FLASHING SOLAR AND BATTERY POWERED LIGHTS. BARRICADES SHALL BE SPACED A MAXIMUM OF 5 FEET APART UNLESS DIRECTED OTHERWISE BY THE DISTRICT.

1 **LOW PROFILE BARRICADE DETAIL**
NO SCALE



2 **DELINEATOR DETAIL**
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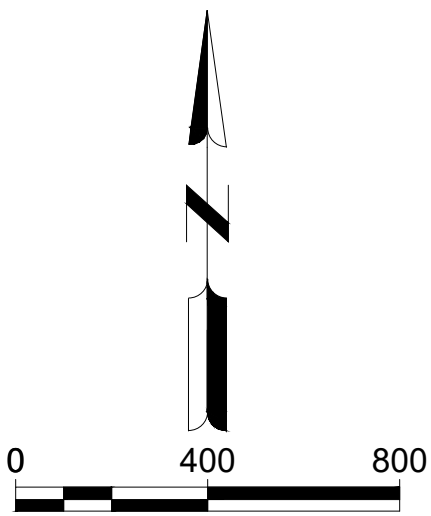
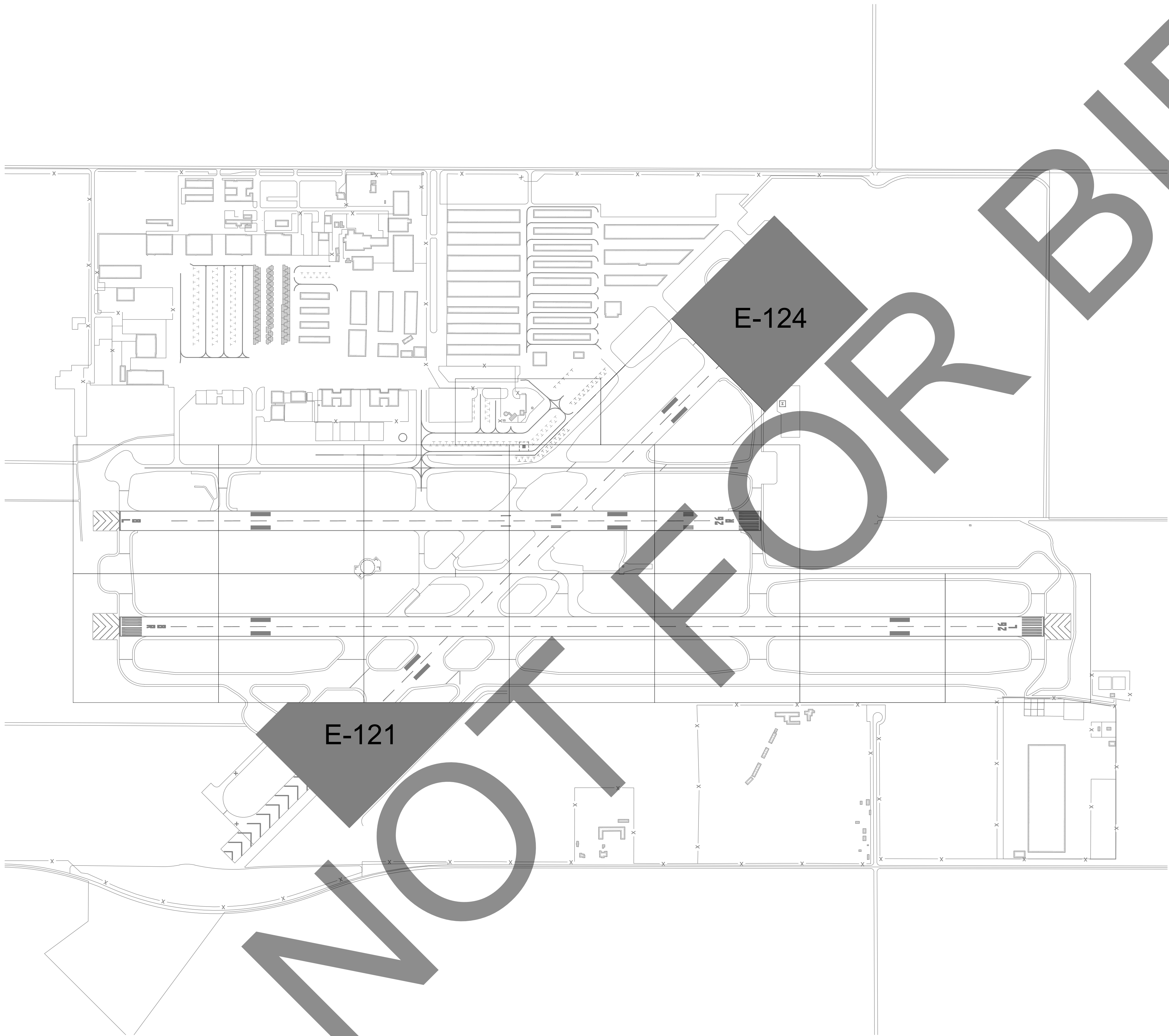
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CONSTRUCTION
SAFETY AND PHASING
DETAILS

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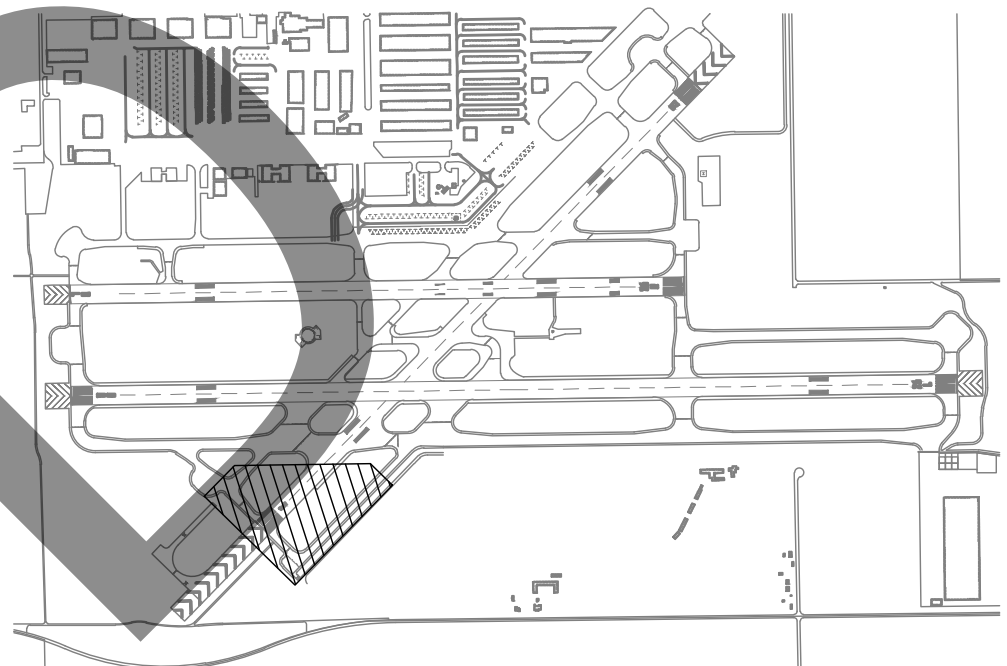
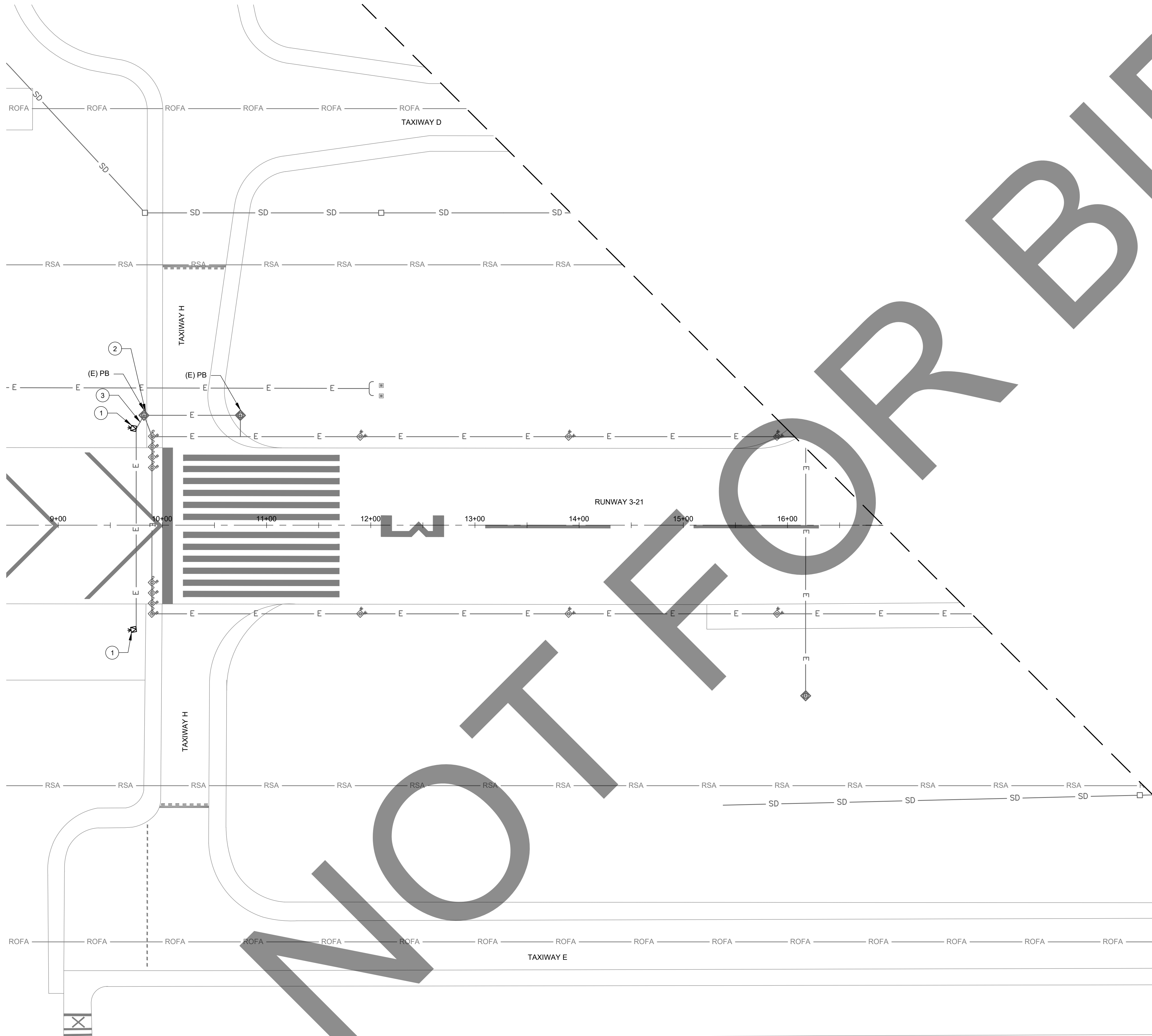
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SHEET CONTENTS
ELECTRICAL
DEMOLITION OVERALL

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KEY MAP
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ELECTRICAL DEMOLITION NOTES

- 1 DEMOLISH EXISTING REIL AND FOUNDATION.
- 2 RECONNECT RUNWAY CIRCUIT SUCH THAT THE RUNWAY WILL OPERATE SAME AS EXISTING.
- 3 PULL EXISTING 5KV CABLE BACK FROM REIL TO NEAREST PULL BOX OR LIGHTING FIXTURE AND JUMP OUT / RECONNECT CIRCUIT WITHOUT REILS. CONTRACTOR SHALL PROVIDE NECESSARY L-823 CONNECTOR KIT AND WATERPROOFING FOR THIS WORK. ALL EXISTING CABLES THAT ARE NO LONGER BEING USED SHALL BE REMOVED FROM THE CONDUIT / DUCT AND DISPOSED OFF-SITE.

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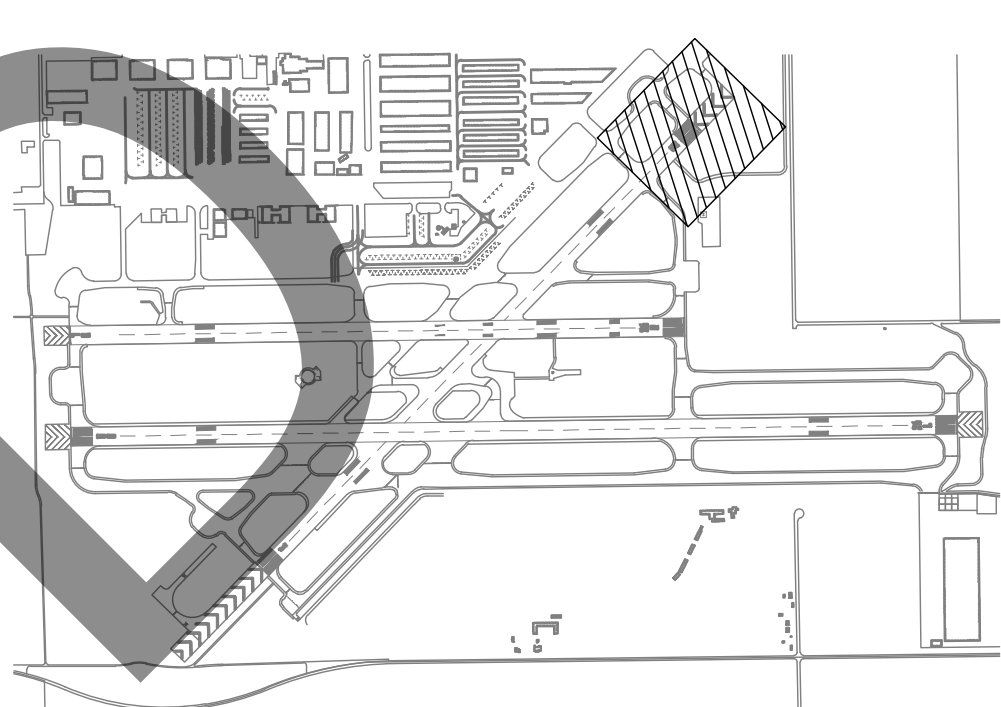
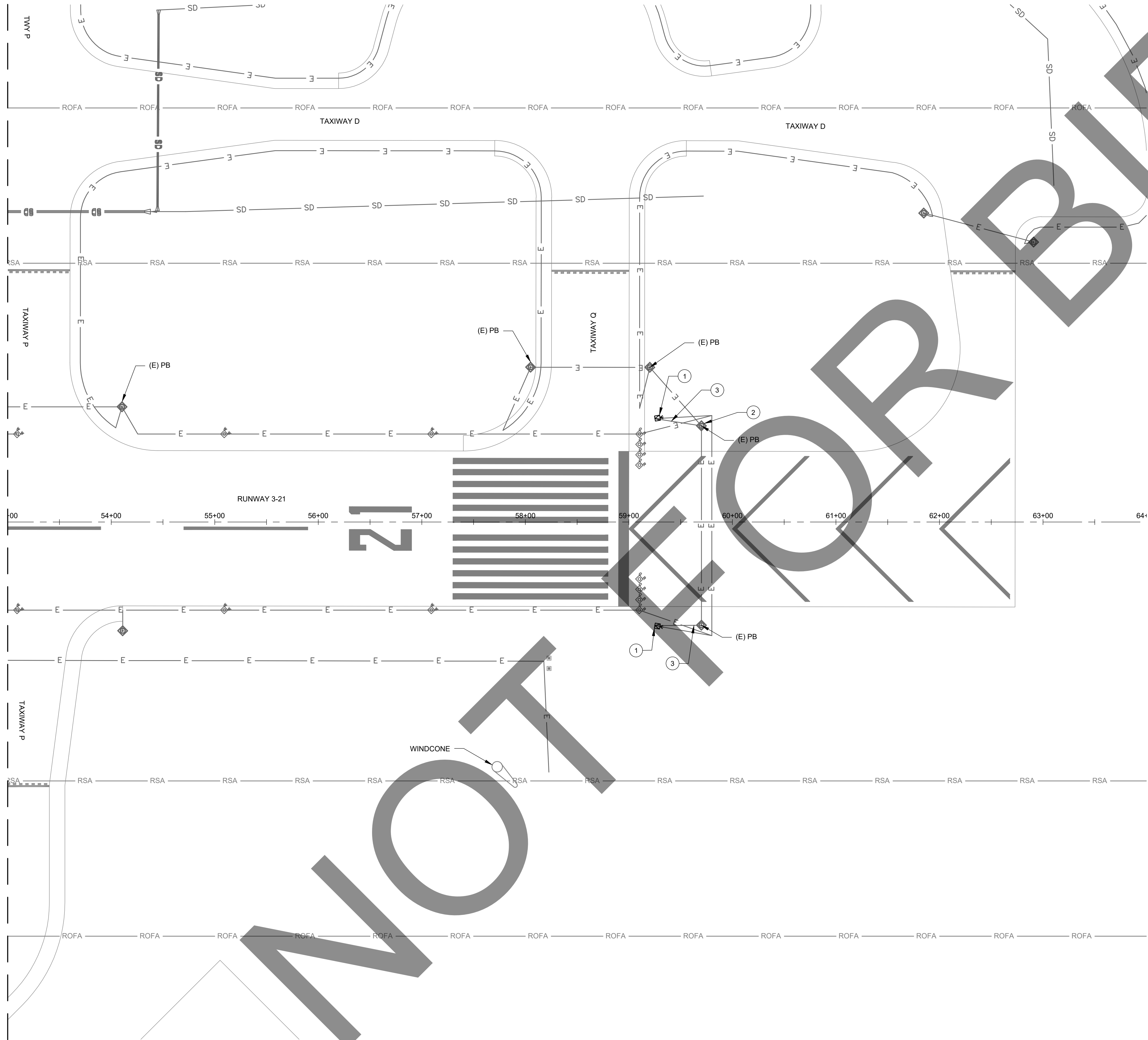
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SHEET CONTENTS
ELECTRICAL
DEMOLITION PLAN

SHEET NO. 17 OF 38

E-121

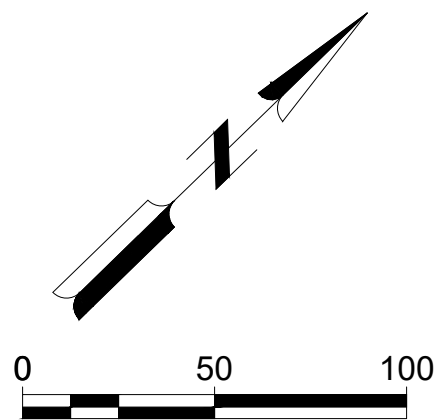
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KEY MAP
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ELECTRICAL DEMOLITION NOTES

- 1 DEMOLISH EXISTING REIL AND FOUNDATION.
- 2 RECONNECT RUNWAY CIRCUIT SUCH THAT THE RUNWAY WILL OPERATE SAME AS EXISTING.
- 3 PULL EXISTING 5KV CABLE BACK FROM REIL TO NEAREST PULL BOX OR LIGHTING FIXTURE AND JUMP OUT / RECONNECT CIRCUIT WITHOUT REILS. CONTRACTOR SHALL PROVIDE NECESSARY L-823 CONNECTOR KIT AND WATERPROOFING FOR THIS WORK. ALL EXISTING CABLES THAT ARE NO LONGER BEING USED SHALL BE REMOVED FROM THE CONDUIT / DUCT AND DISPOSED OFF-SITE.



Mead & Hunt

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3110 E. Guasti Road,
Suite 330
Ontario, CA 91761
phone: 909-467-8560
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CHINO AIRPORT
REILS FOR RUNWAY 3-21, RUNWAY 8L-26R,
AND RUNWAY 8R-26L PROJECT AND
VAULT UPGRADE PROJECT
7000 MERRILL AVE
CHINO, CA 91710

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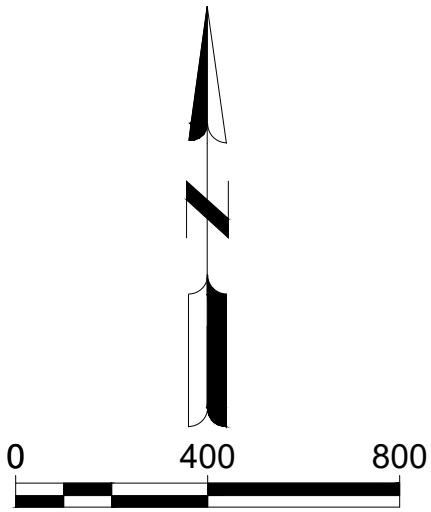
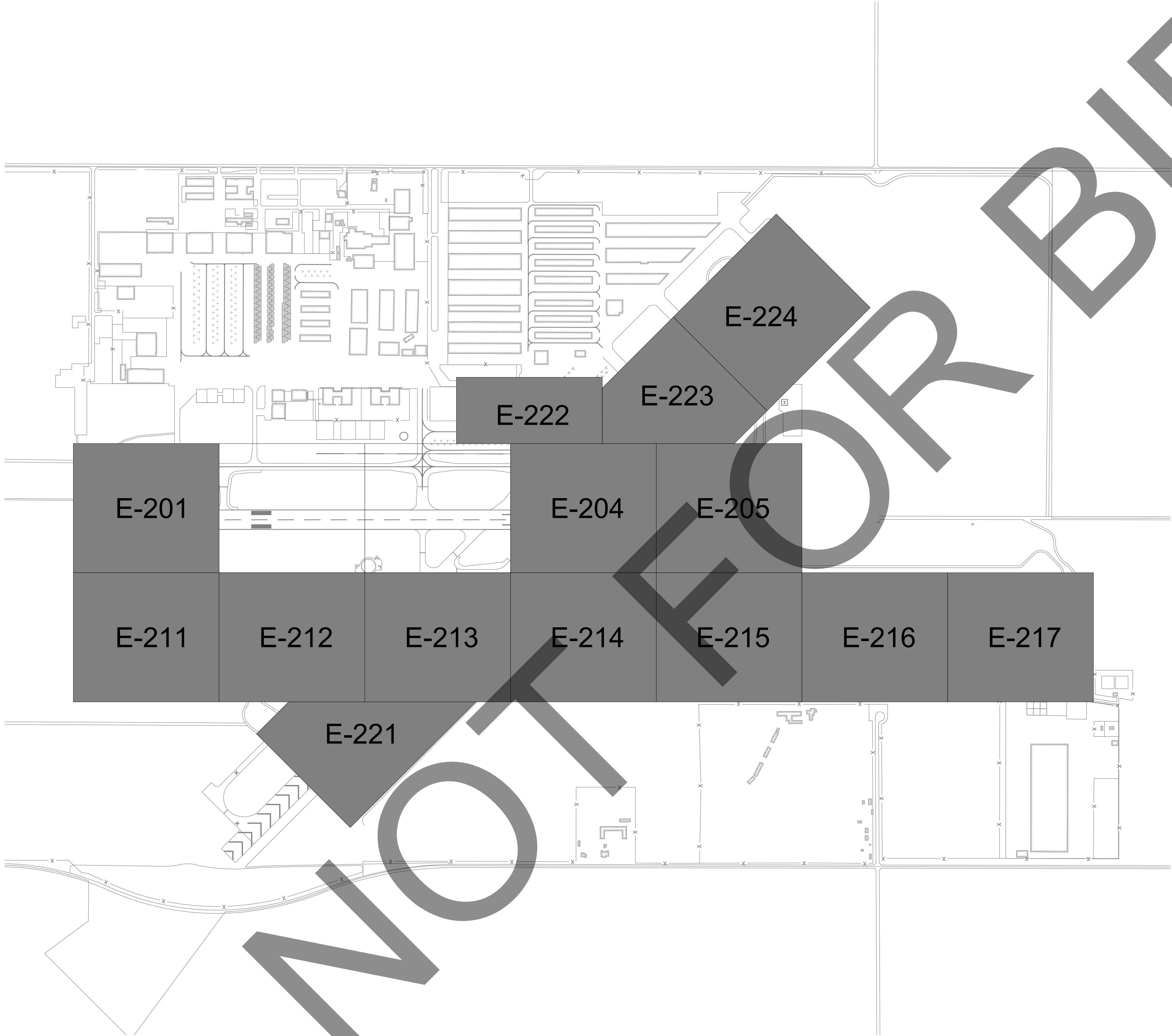
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SHEET CONTENTS
ELECTRICAL
DEMOLITION PLAN

SHEET NO. 18 OF 38

E-124

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SHEET CONTENTS
ELECTRICAL LAYOUT
OVERALL

SHEET NO. 19 OF 38

E-200

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CHINO, CA 91710

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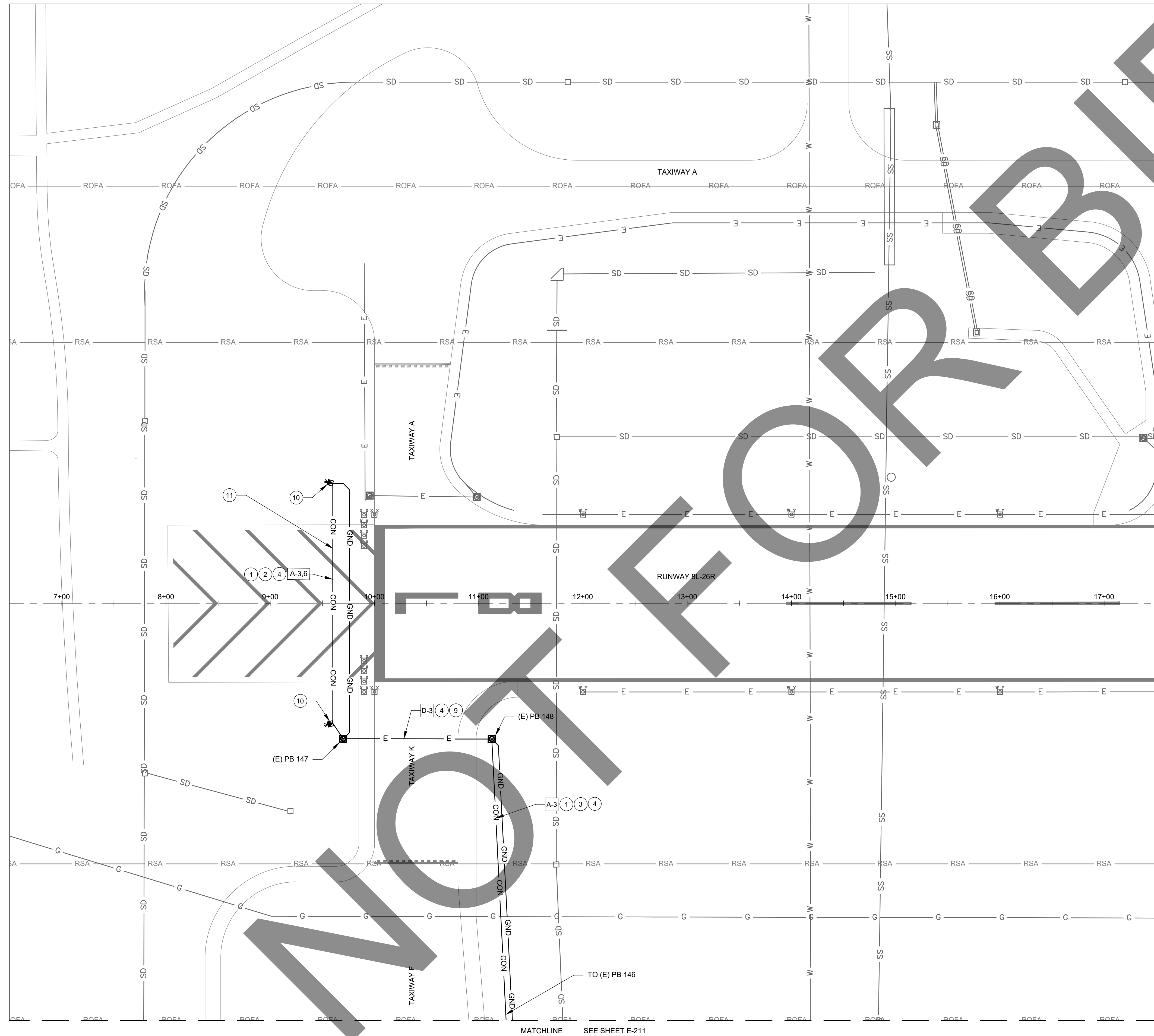
ET CONTENTS

ELECTRICAL LAYOUT

PLAN

ET NO. 20 OF 38

E-201



1. CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
2. INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
3. INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW, SEE DETAIL 1B/E-601.
4. INSTALL CABLE PER CHART BELOW. REIL'S POWER CABLE TO SHARE THE SAME CONDUIT.
5. EXISTING 1W2" CONDUIT DUCTBANK FOR EXISTING REIL'S. UTILIZE EXISTING CONDUIT AND INSTALL CABLE PER CHART BELOW.
6. EXISTING 2W4" CONDUIT DUCTBANK. 1 SPARE CONDUIT TO BE USED FOR NEW CABLES PER CHART BELOW.
7. EXISTING 4W4" CONDUIT DUCTBANK. 1 SPARE CONDUIT AVAILABLE. INSTALL NEW CABLES PER CIRCUIT CHART BELOW IN SPARE CONDUIT.
8. EXISTING 4W4" CONDUIT DUCTBANK. 2 SPARE CONDUITS AVAILABLE. INSTALL NEW CABLES PER CIRCUIT CHART BELOW IN 1 OF THE SPARE CONDUITS.
9. EXISTING 4W4" CONDUIT DUCTBANK. 3 SPARE CONDUITS AVAILABLE. INSTALL NEW CABLES PER CIRCUIT CHART BELOW IN 1 OF THE SPARE CONDUITS.
10. INSTALL LED REILS PER DETAIL 7/E-602.
11. INSTALL REIL POWER CABLE IN ONE CONDUIT. INSTALL REIL CONTROL CABLE IN THE OTHER CONDUIT. SEE DETAIL 3/E-601 FOR DETAILS.
12. PULLBOX FULL OF DIRT TO TOP OF PULLBOX. CLEAN PULLBOX TO REMOVE THE DIRT.
13. INSTALL ELECTRICAL PULLBOX, SIZE 1 (36"X36"X36"), AIRCRAFT RATED LID. SEE DETAIL 4/ E-601.
14. INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M,L,G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

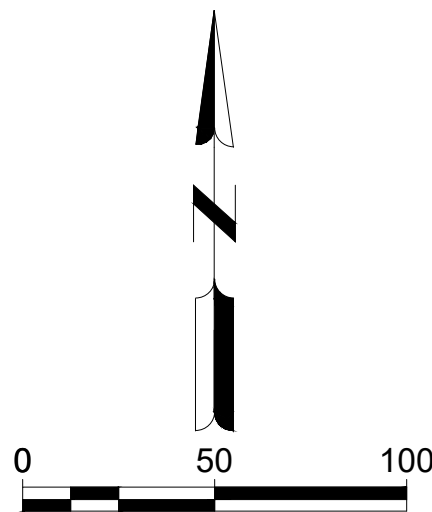
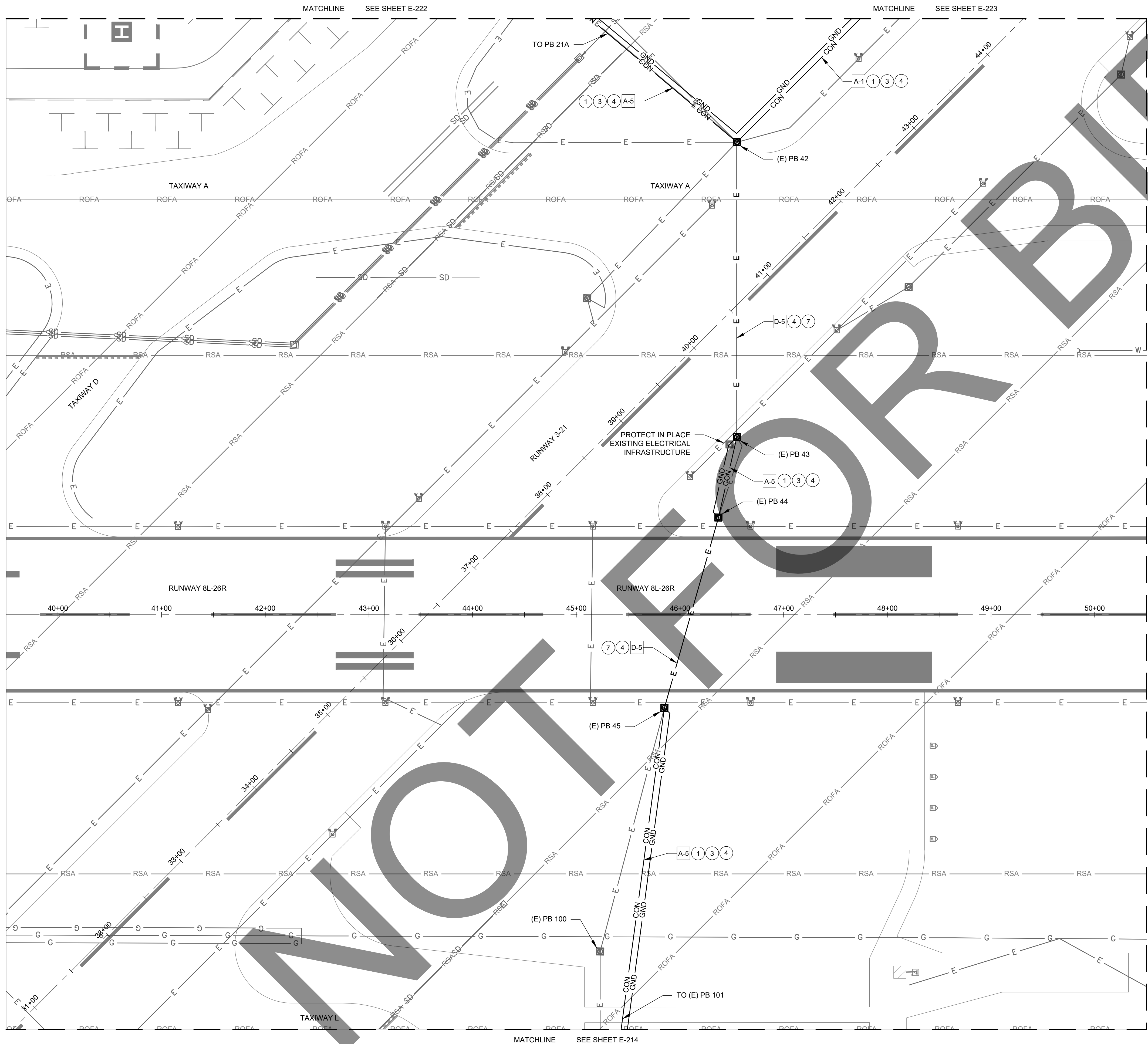
LETTER - CONDUIT
NUMBER - CIRCUIT

EXAMPLE
A-1
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

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ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
- 3 INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW, SEE DETAIL 1B/E-601.
- 4 INSTALL CABLE PER CHART BELOW. REIL'S POWER CABLE TO SHARE THE SAME CONDUIT.
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- 8 EXISTING 4W4" CONDUIT DUCTBANK. 2 SPARE CONDUITS AVAILABLE. INSTALL NEW CABLES PER CIRCUIT CHART BELOW IN 1 OF THE SPARE CONDUITS.
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- 14 INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER - CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
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D	EXISTING	4W4" SCH 40 PVC CONDUIT

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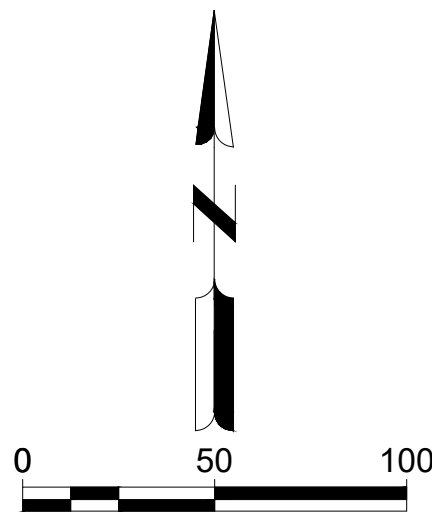
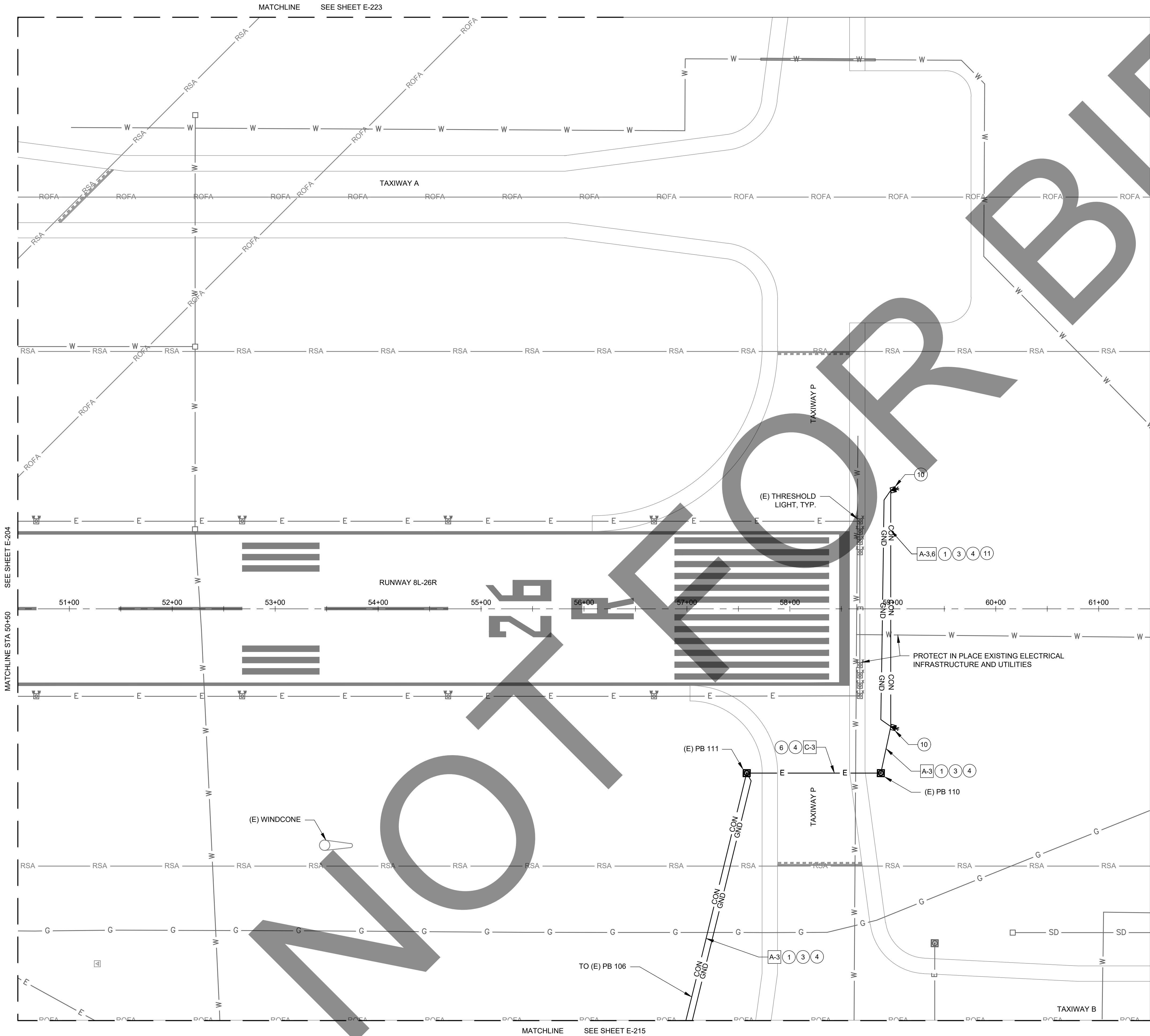
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SHEET CONTENTS
ELECTRICAL LAYOUT
PLAN

SHEET NO. 21 OF 38

E-204

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ELECTRICAL NOTES:

1. CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
2. INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
3. INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW, SEE DETAIL 1B/E-601.
4. INSTALL CABLE PER CHART BELOW. REIL'S POWER CABLE TO SHARE THE SAME CONDUIT.
5. EXISTING 1W2" CONDUIT DUCTBANK FOR EXISTING REIL'S. UTILIZE EXISTING CONDUIT AND INSTALL CABLE PER CHART BELOW.
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12. PULLBOX FULL OF DIRT TO TOP OF PULLBOX. CLEAN PULLBOX TO REMOVE THE DIRT.
13. INSTALL ELECTRICAL PULLBOX, SIZE 1 (36"X36"X36"), AIRCRAFT RATED LID. SEE DETAIL 4/ E-601.
14. INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601.

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER - CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

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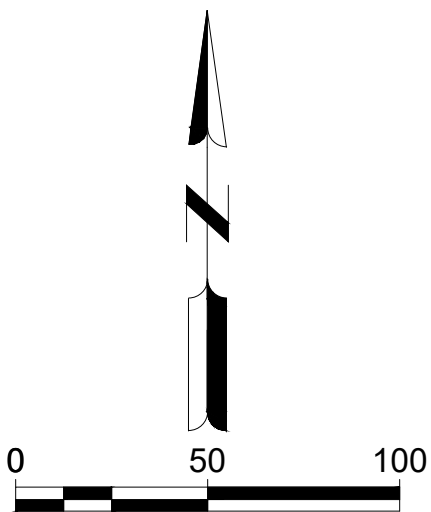
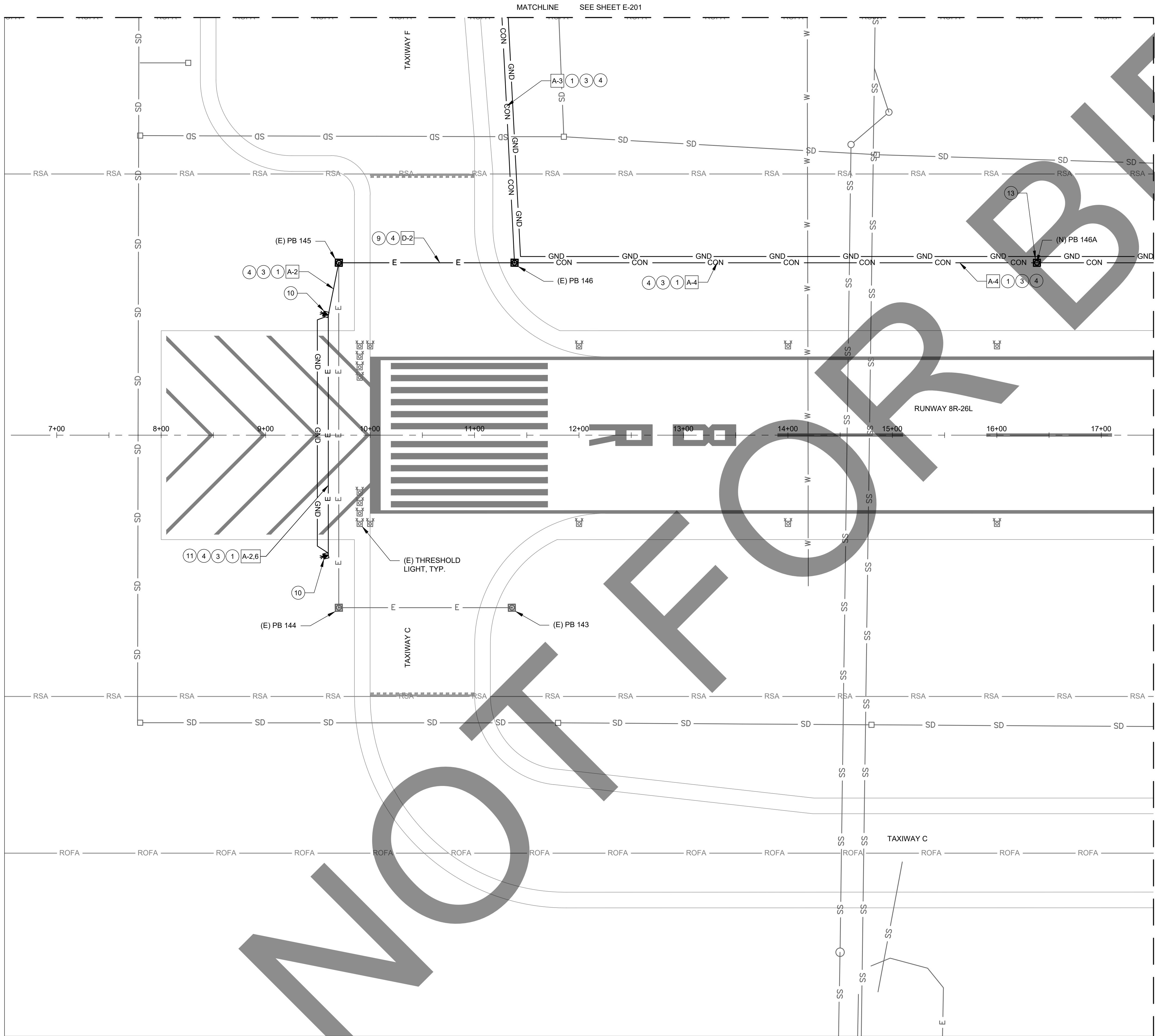
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SHEET CONTENTS
ELECTRICAL LAYOUT
PLAN

SHEET NO. 22 OF 38

E-205

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ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
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- 14 INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER -CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

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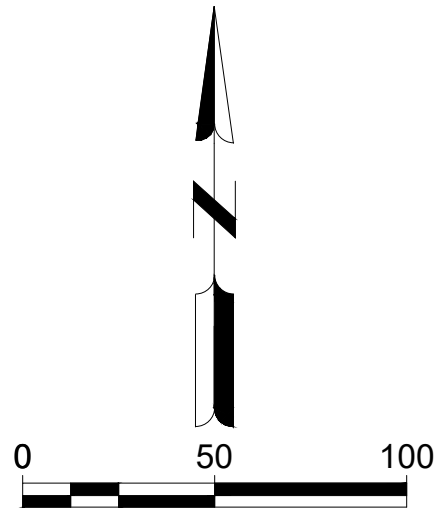
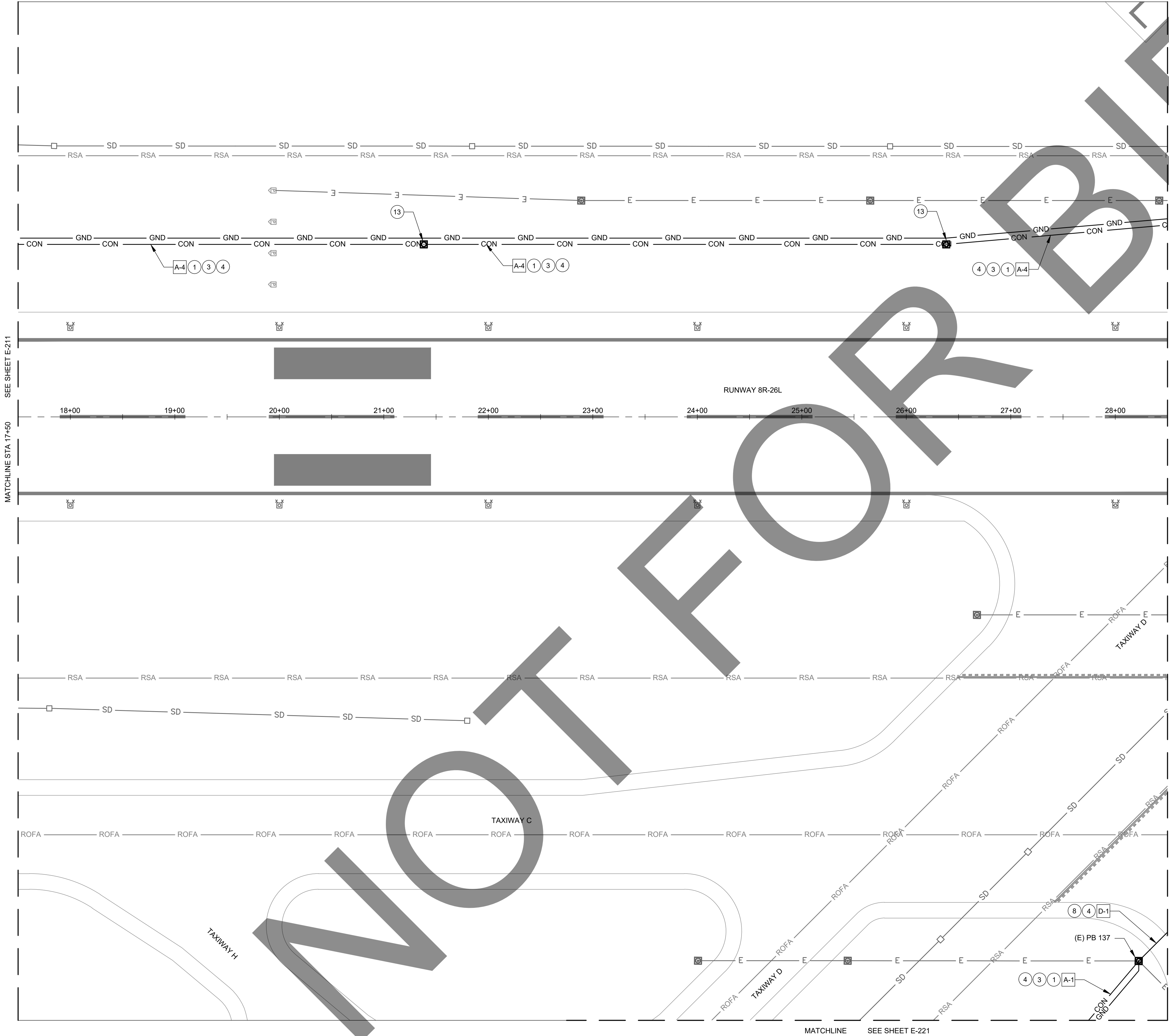
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SHEET CONTENTS
ELECTRICAL LAYOUT
PLAN

SHEET NO. 23 OF 38

E-211

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2/27/2023 4:30:31 PM



ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
- 3 INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW, SEE DETAIL 1B/E-601.
- 4 INSTALL CABLE PER CHART BELOW. REIL'S POWER CABLE TO SHARE THE SAME CONDUIT.
- 5 EXISTING 1W2\"/>

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER - CIRCUIT

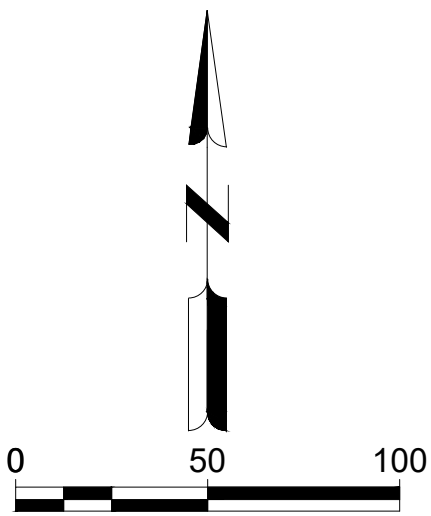
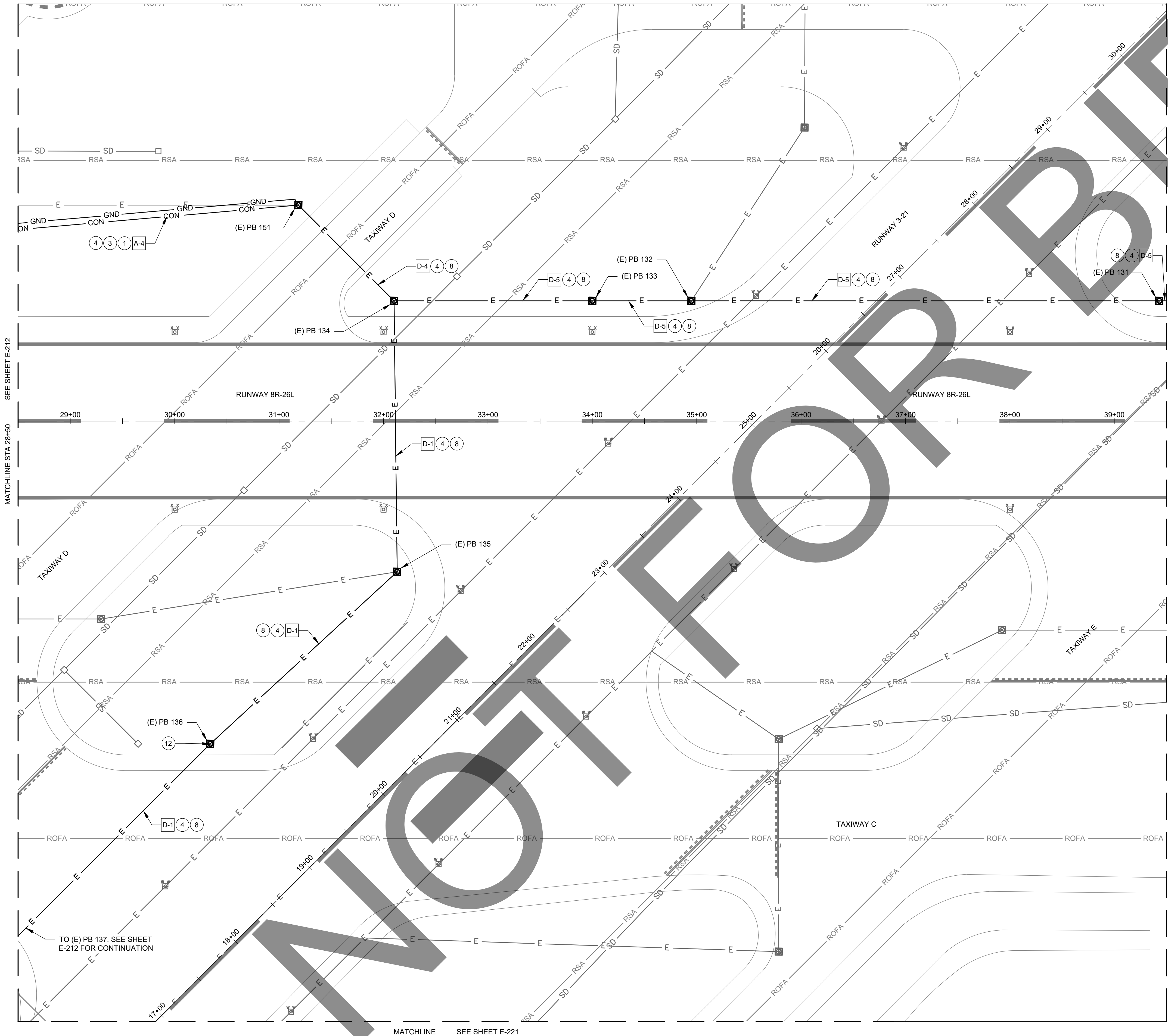
EXAMPLE
[A-1]
DESCRIPTION - 2W2\"/>

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2\"/>
B	EXISTING	1W2\"/>
C	EXISTING	2W4\"/>
D	EXISTING	4W4\"/>



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ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
- 3 INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW, SEE DETAIL 1B/E-601.
- 4 INSTALL CABLE PER CHART BELOW. REIL'S POWER CABLE TO SHARE THE SAME CONDUIT.
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- 10 INSTALL LED REILS PER DETAIL 7/E-602.
- 11 INSTALL REIL POWER CABLE IN ONE CONDUIT. INSTALL REIL CONTROL CABLE IN THE OTHER CONDUIT. SEE DETAIL 3/E-601 FOR DETAILS.
- 12 PULLBOX FULL OF DIRT TO TOP OF PULLBOX. CLEAN PULLBOX TO REMOVE THE DIRT.
- 13 INSTALL ELECTRICAL PULLBOX, SIZE 1 (36"x36"x36"), AIRCRAFT RATED LID. SEE DETAIL 4/ E-601.
- 14 INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER - CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

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CHINO AIRPORT
REILS FOR RUNWAY 3-21, RUNWAY 8L-26R,
AND RUNWAY 8R-26L PROJECT AND
VAULT UPGRADE PROJECT
7000 MERRILL AVE
CHINO, CA 91710

ISSUED
ISSUED FOR BID



NOT FOR CONSTRUCTION

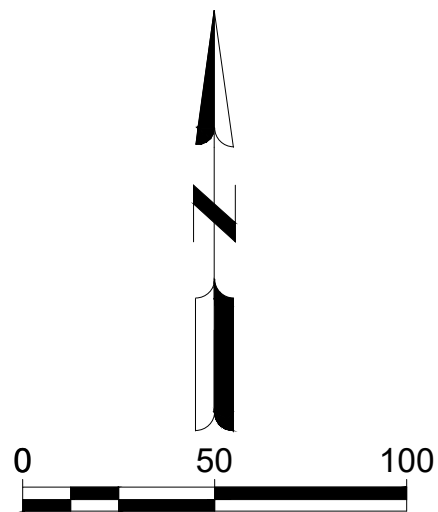
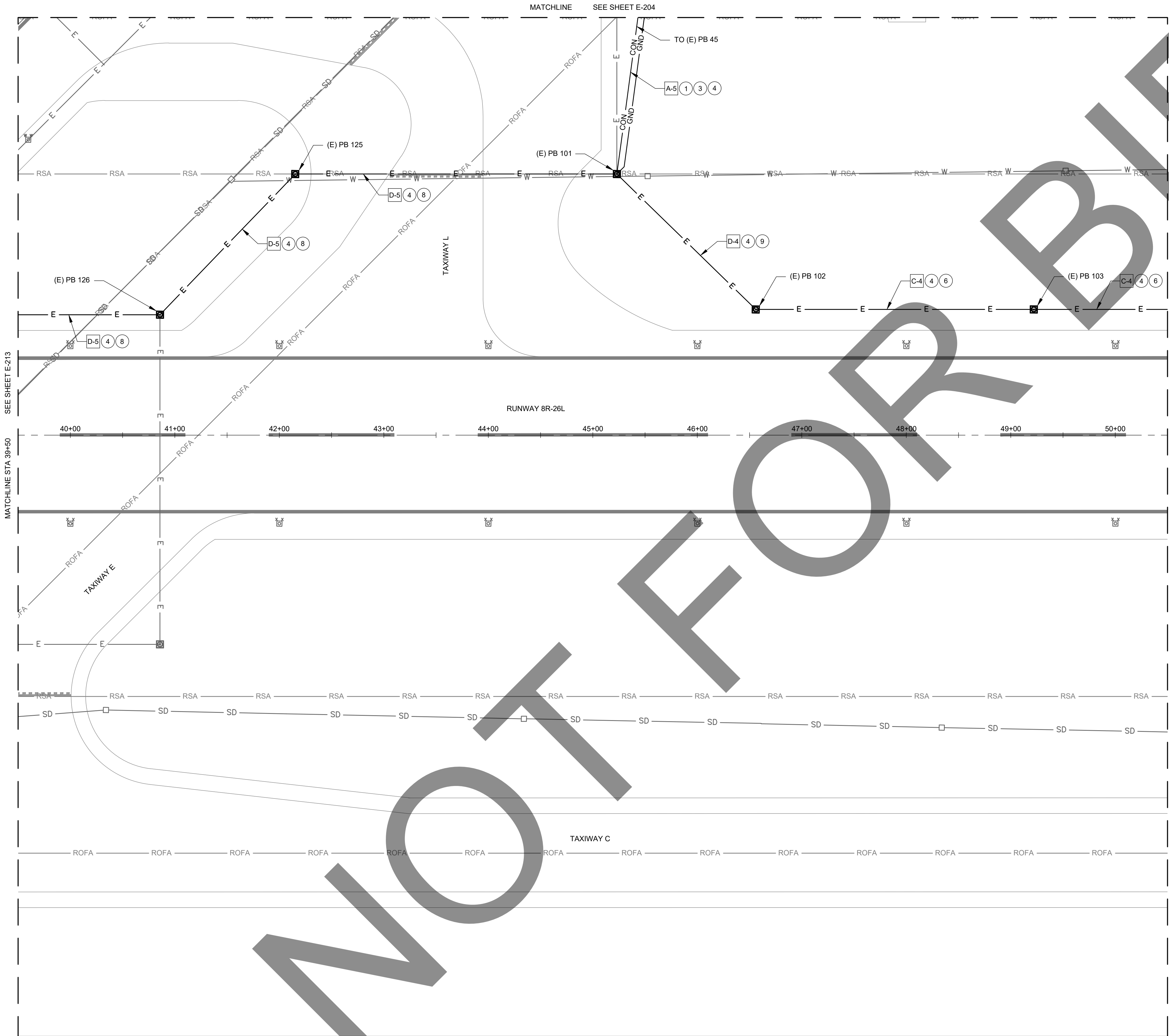
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DATE: FEBRUARY 28, 2023
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SHEET CONTENTS
ELECTRICAL LAYOUT
PLAN

SHEET NO. 25 OF 38

E-213

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ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
- 3 INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW, SEE DETAIL 1B/E-601.
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- 14 INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER -CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

Mead & Hunt

Mead and Hunt, Inc.
3110 E. Guasti Road,
Suite 330
Ontario, CA 91761
phone: 909-467-8560
meadhunt.com

CHINO AIRPORT
REILS FOR RUNWAY 3-21, RUNWAY 8L-26R,
AND RUNWAY 8R-26L PROJECT AND
VAULT UPGRADE PROJECT
7000 MERRILL AVE
CHINO, CA 91710

ISSUED

ISSUED FOR BID



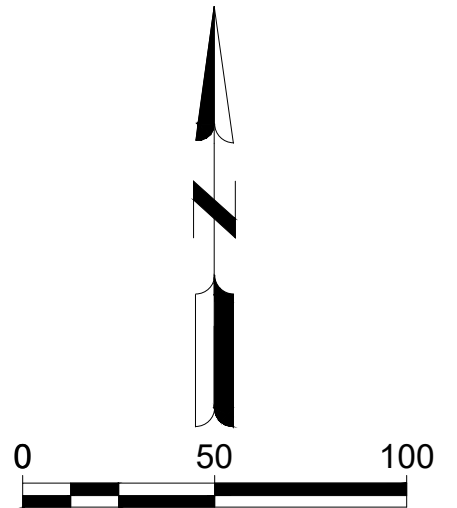
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ELECTRICAL LAYOUT
PLAN

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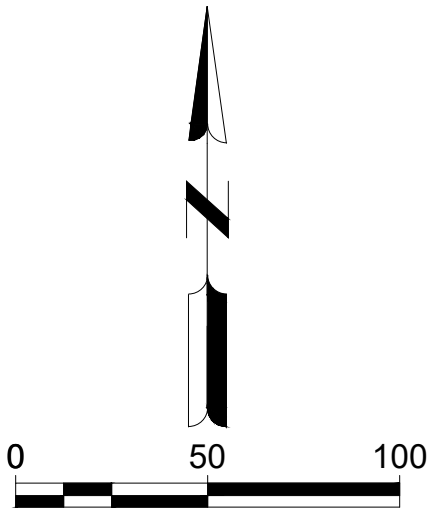
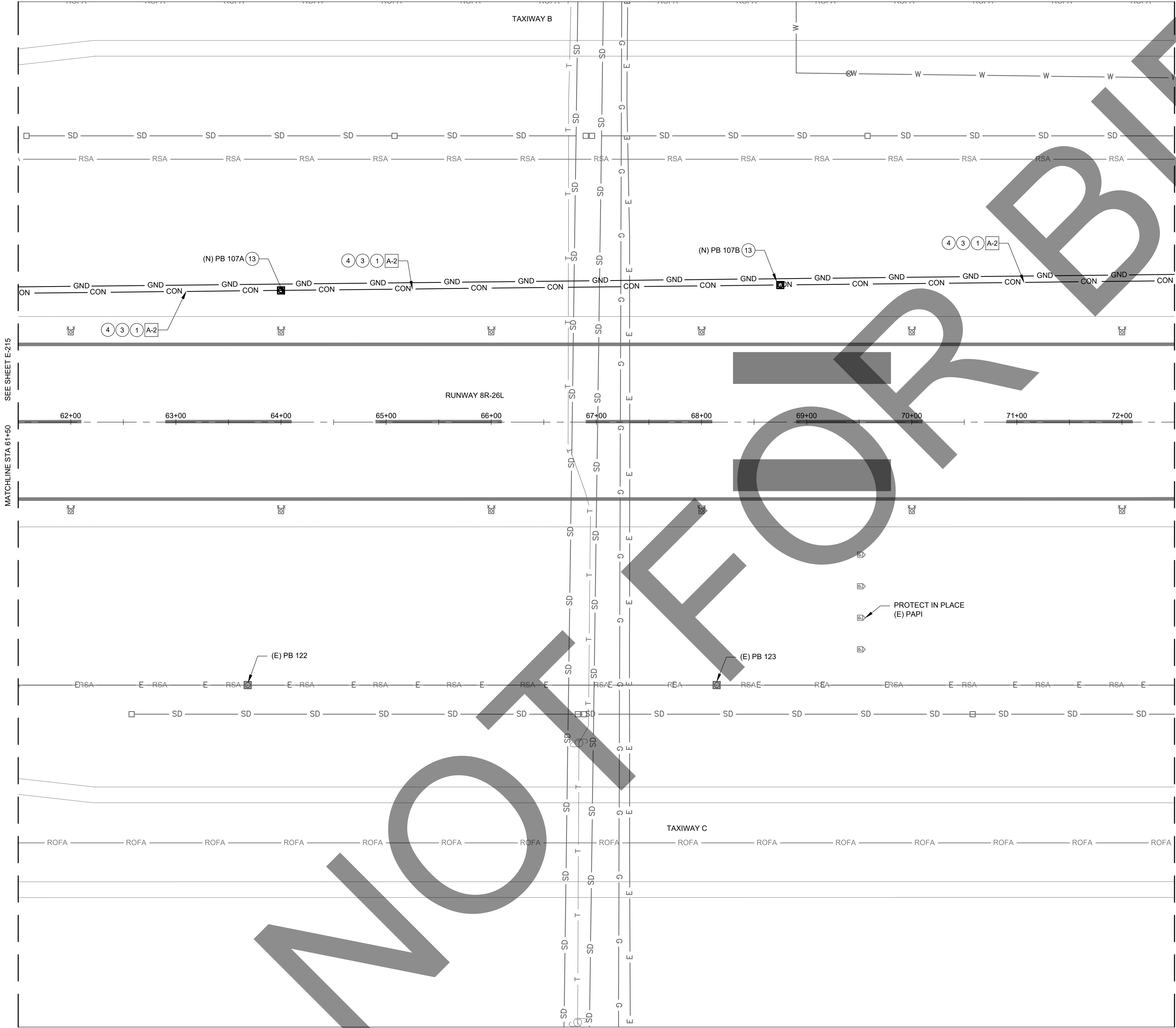


- ③ CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- ② INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
- ③ INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW. SEE DETAIL 1B/E-601.
- ④ INSTALL CABLE PER CHART BELOW. REIL'S POWER CABLE TO SHARE THE SAME CONDUIT.
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- ⑪ INSTALL REIL POWER CABLE IN ONE CONDUIT. INSTALL REIL CONTROL CABLE IN THE OTHER CONDUIT. SEE DETAIL 3/E-601 FOR DETAILS.
- ⑫ PULLBOX FULL OF DIRT TO TOP OF PULLBOX. CLEAN PULLBOX TO REMOVE THE DIRT.
- ⑬ INSTALL ELECTRICAL PULLBOX, SIZE 1 (36"X36"X36"), AIRCRAFT RATED LID. SEE DETAIL 4/ E-601.
- ⑭ INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER -CIRCUIT

EXAMPLE
A-1
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT



ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
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CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER -CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

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REILS FOR RUNWAY 3-21, RUNWAY 8L-26R,
AND RUNWAY 8R-26L PROJECT AND
VAULT UPGRADE PROJECT

7000 MERRILL AVE
CHINO, CA 91710

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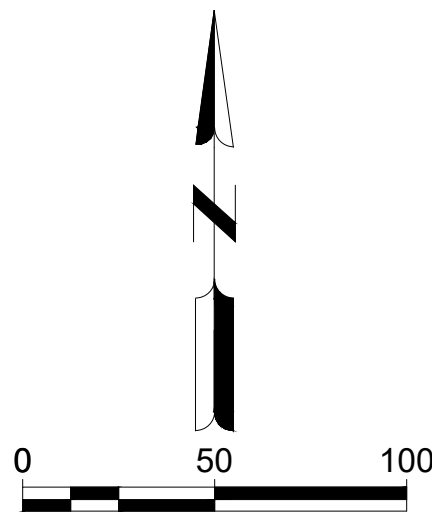
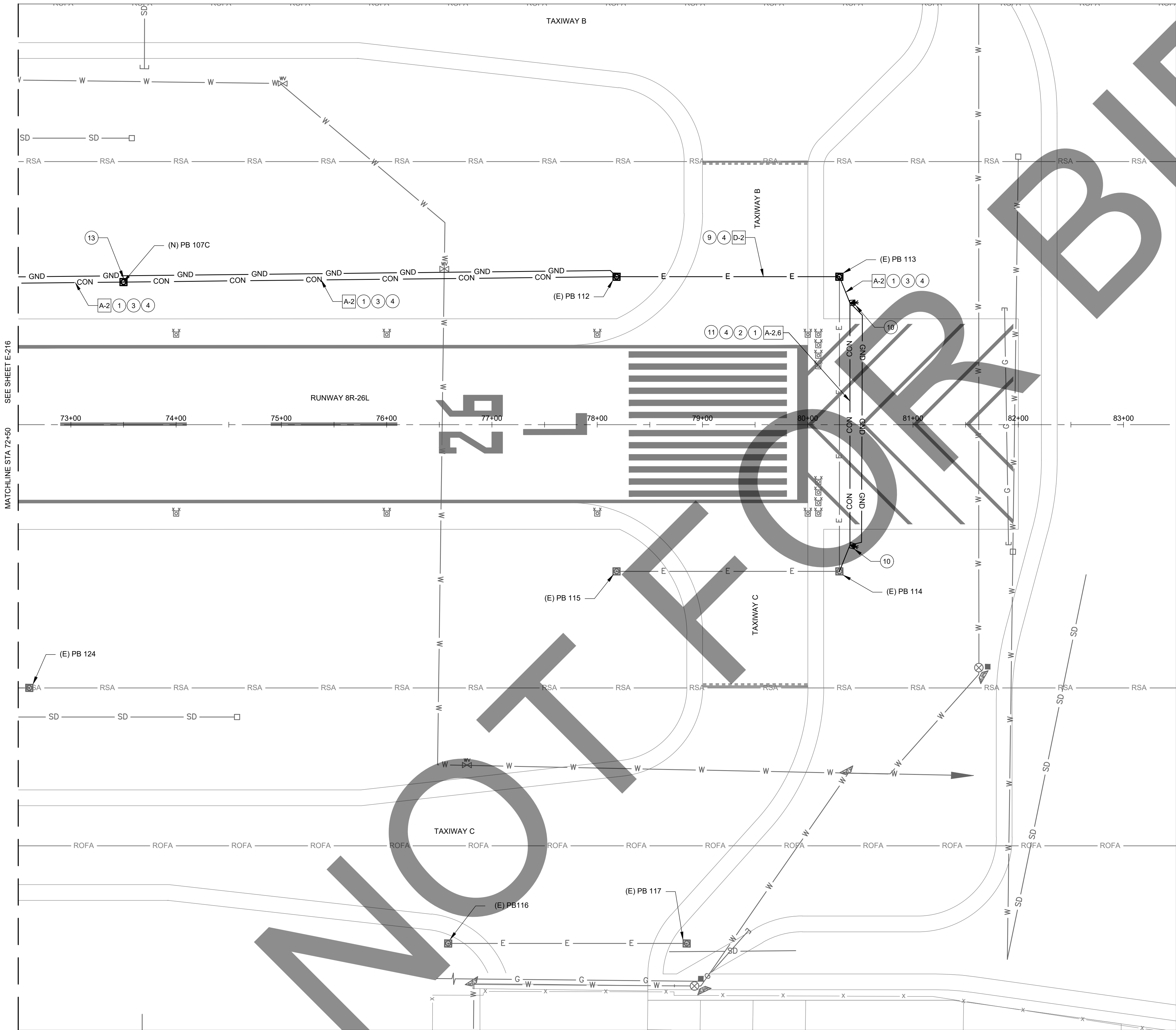
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ELECTRICAL LAYOUT
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ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
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CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
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YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER - CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
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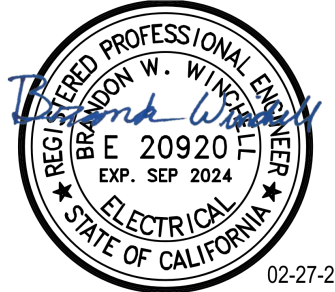
CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

Mead & Hunt
Mead and Hunt, Inc.
3110 E. Guasti Road,
Suite 330
Ontario, CA 91761
phone: 909-467-8560
meadhunt.com

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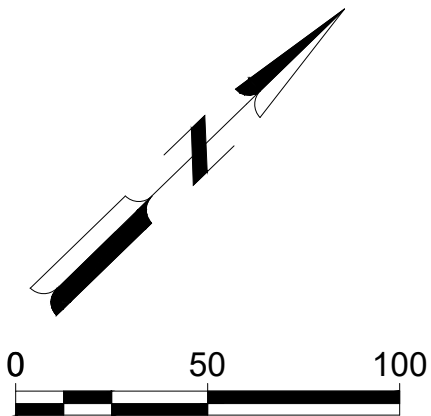
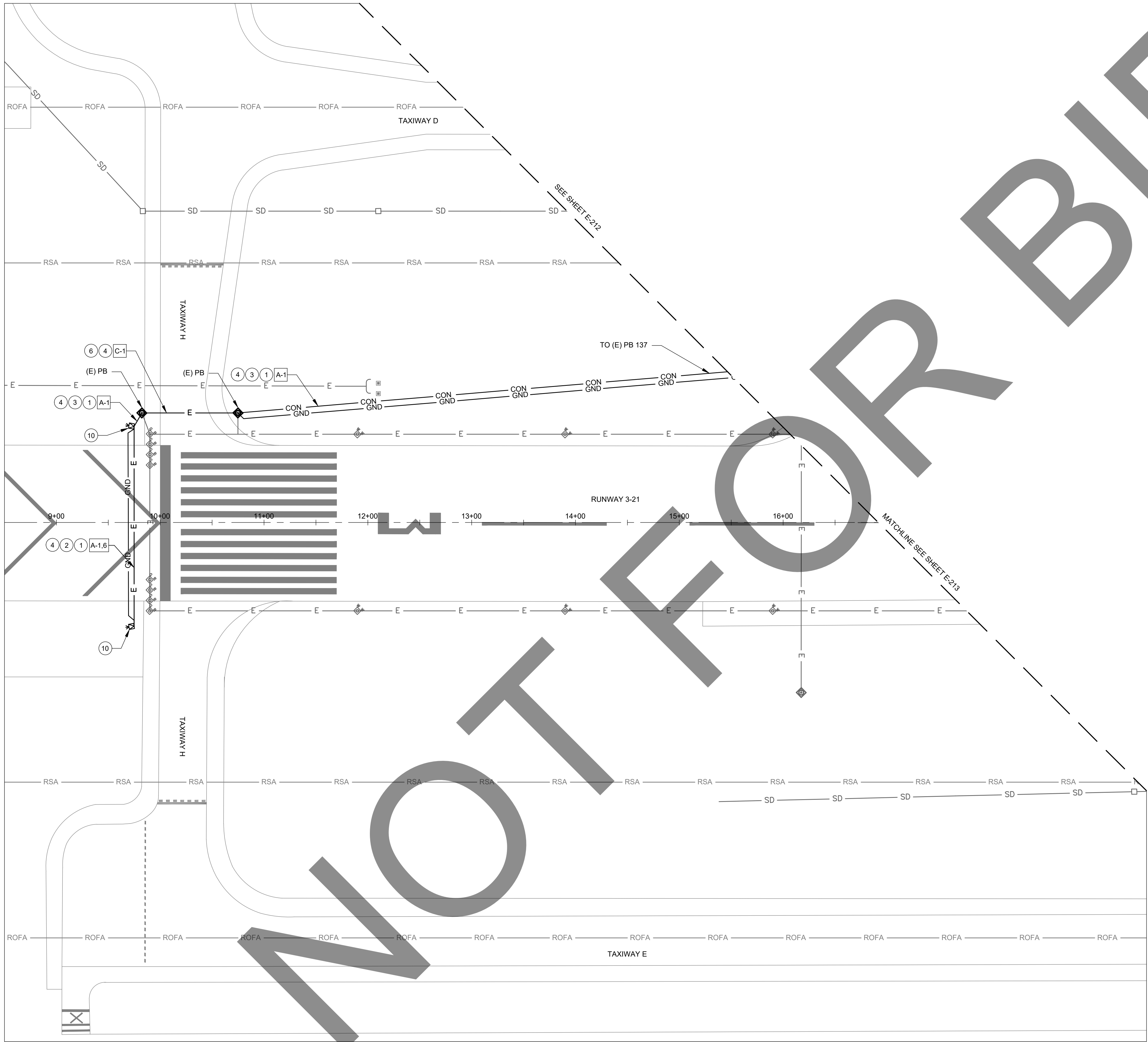
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SHEET CONTENTS
ELECTRICAL LAYOUT
PLAN

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E-217

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ELECTRICAL NOTES:

1. CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
2. INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
3. INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW, SEE DETAIL 1B/E-601.
4. INSTALL CABLE PER CHART BELOW. REIL'S POWER CABLE TO SHARE THE SAME CONDUIT.
5. EXISTING 1W2" CONDUIT DUCTBANK FOR EXISTING REIL'S. UTILIZE EXISTING CONDUIT AND INSTALL CABLE PER CHART BELOW.
6. EXISTING 2W4" CONDUIT DUCTBANK. 1 SPARE CONDUIT TO BE USED FOR NEW CABLES PER CHART BELOW.
7. EXISTING 4W4" CONDUIT DUCTBANK. 1 SPARE CONDUIT AVAILABLE. INSTALL NEW CABLES PER CIRCUIT CHART BELOW IN SPARE CONDUIT.
8. EXISTING 4W4" CONDUIT DUCTBANK. 2 SPARE CONDUITS AVAILABLE. INSTALL NEW CABLES PER CIRCUIT CHART BELOW IN 1 OF THE SPARE CONDUITS.
9. EXISTING 4W4" CONDUIT DUCTBANK. 3 SPARE CONDUITS AVAILABLE. INSTALL NEW CABLES PER CIRCUIT CHART BELOW IN 1 OF THE SPARE CONDUITS.
10. INSTALL LED REILS PER DETAIL 7/E-602.
11. INSTALL REIL POWER CABLE IN ONE CONDUIT. INSTALL REIL CONTROL CABLE IN THE OTHER CONDUIT. SEE DETAIL 3/E-601 FOR DETAILS.
12. PULLBOX FULL OF DIRT TO TOP OF PULLBOX. CLEAN PULLBOX TO REMOVE THE DIRT.
13. INSTALL ELECTRICAL PULLBOX, SIZE 1 (36"x36"x36"), AIRCRAFT RATED LID. SEE DETAIL 4/ E-601.
14. INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER - CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

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REILS FOR RUNWAY 3-21, RUNWAY 8L-26R,
AND RUNWAY 8R-26L PROJECT AND
VAULT UPGRADE PROJECT
7000 MERRILL AVE
CHINO, CA 91710

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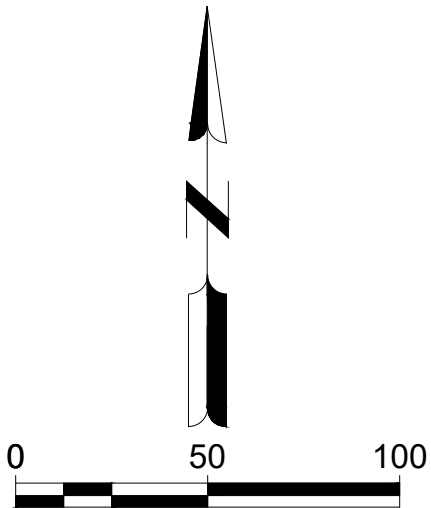
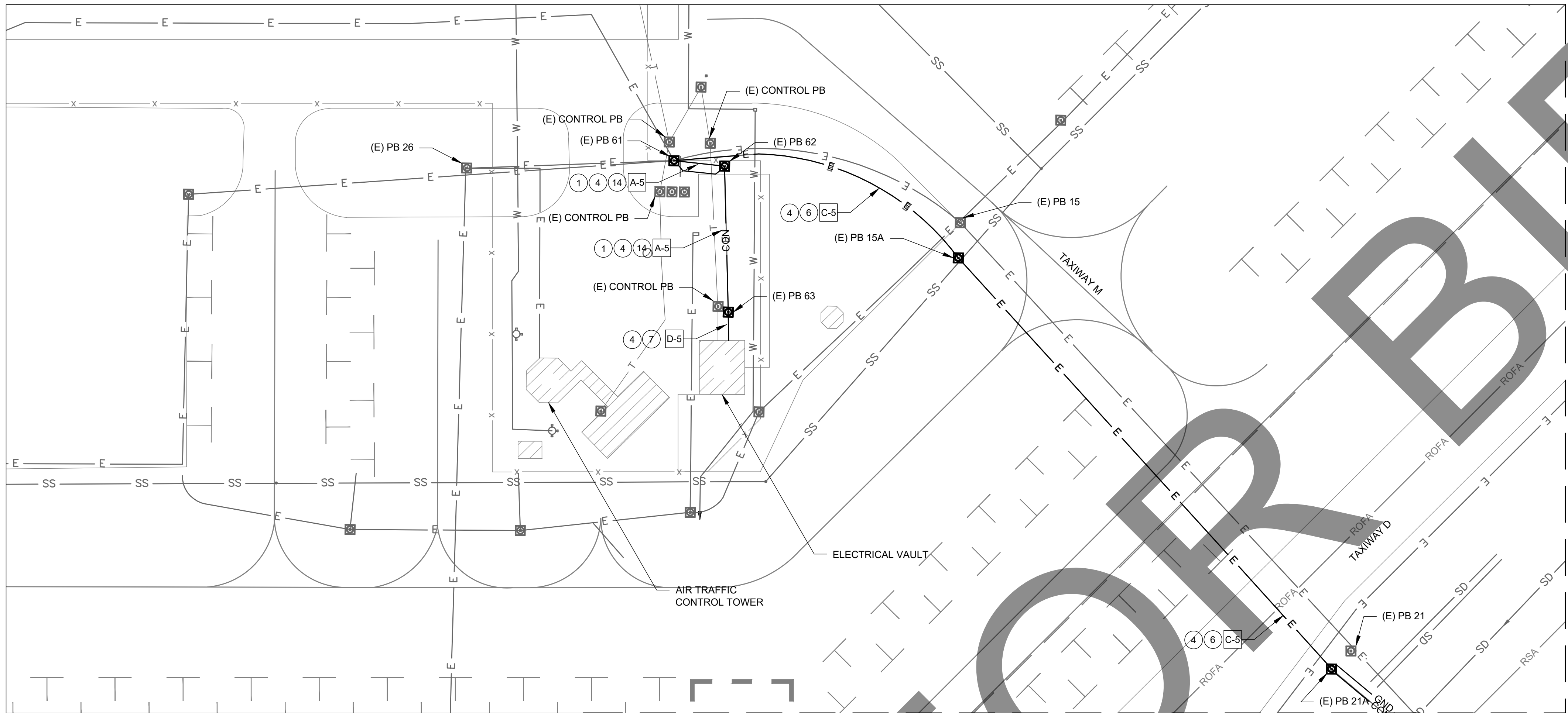
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SHEET CONTENTS
ELECTRICAL LAYOUT
PLAN

SHEET NO. 30 OF 38

E-221

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ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
- 3 INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW, SEE DETAIL 1B/E-601.
- 4 INSTALL CABLE PER CHART BELOW. REIL'S POWER CABLE TO SHARE THE SAME CONDUIT.
- 5 EXISTING 1W2" CONDUIT DUCTBANK FOR EXISTING REIL'S. UTILIZE EXISTING CONDUIT AND INSTALL CABLE PER CHART BELOW.
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- 14 INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER -CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

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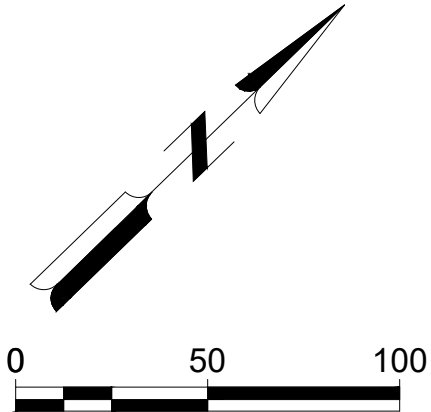
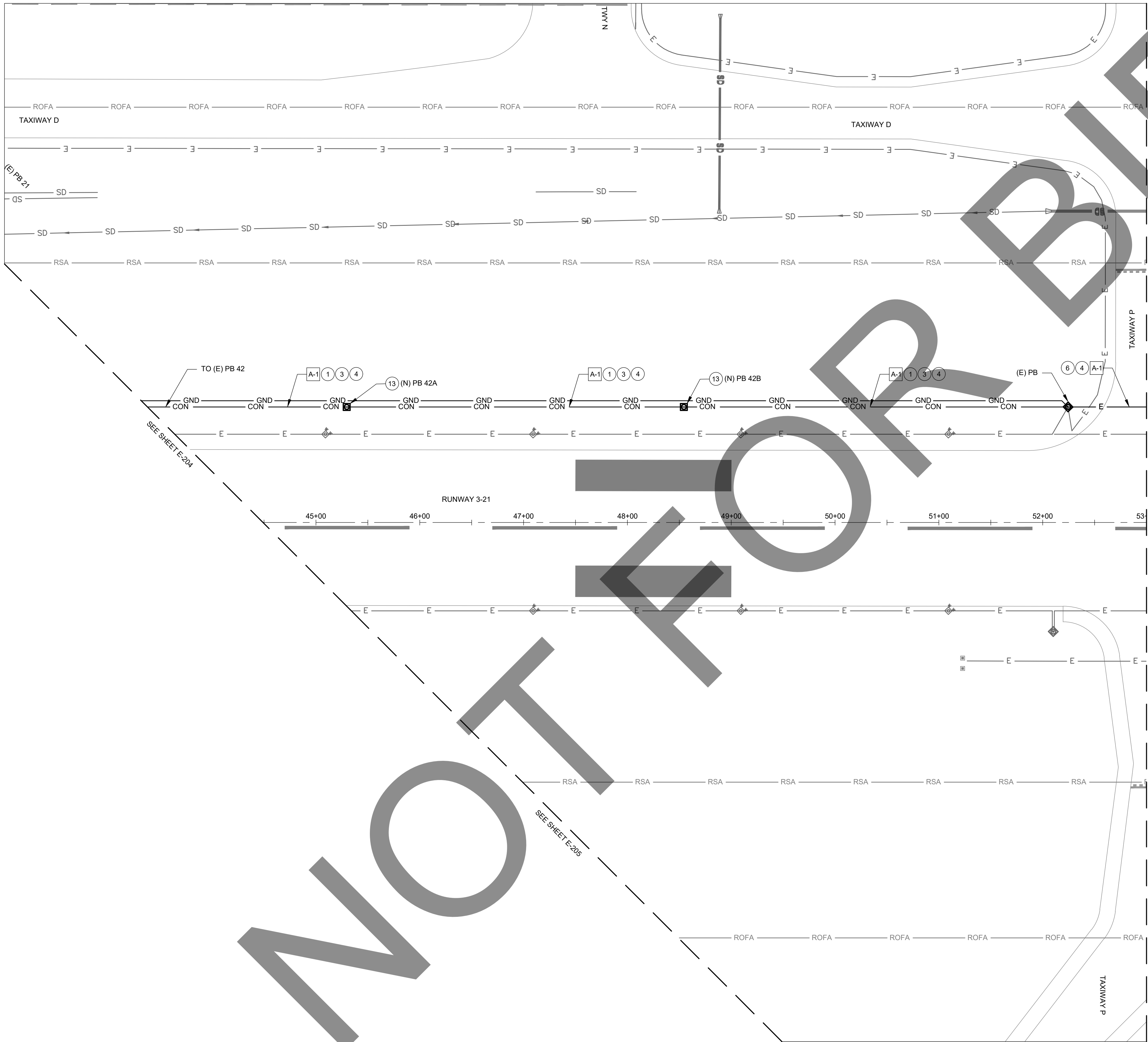
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ELECTRICAL LAYOUT
PLAN

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ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
- 3 INSTALL CONDUIT IN NON-PAVED AREAS PER CHART BELOW, SEE DETAIL 1B/E-601.
- 4 INSTALL CABLE PER CHART BELOW. REIL'S POWER CABLE TO SHARE THE SAME CONDUIT.
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CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER - CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

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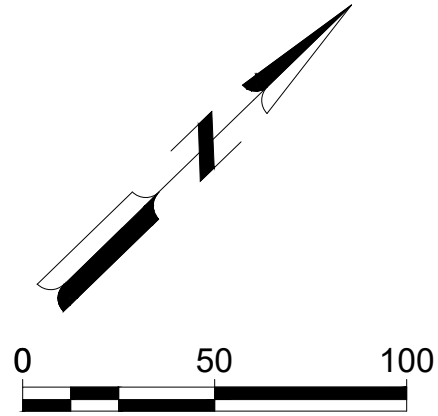
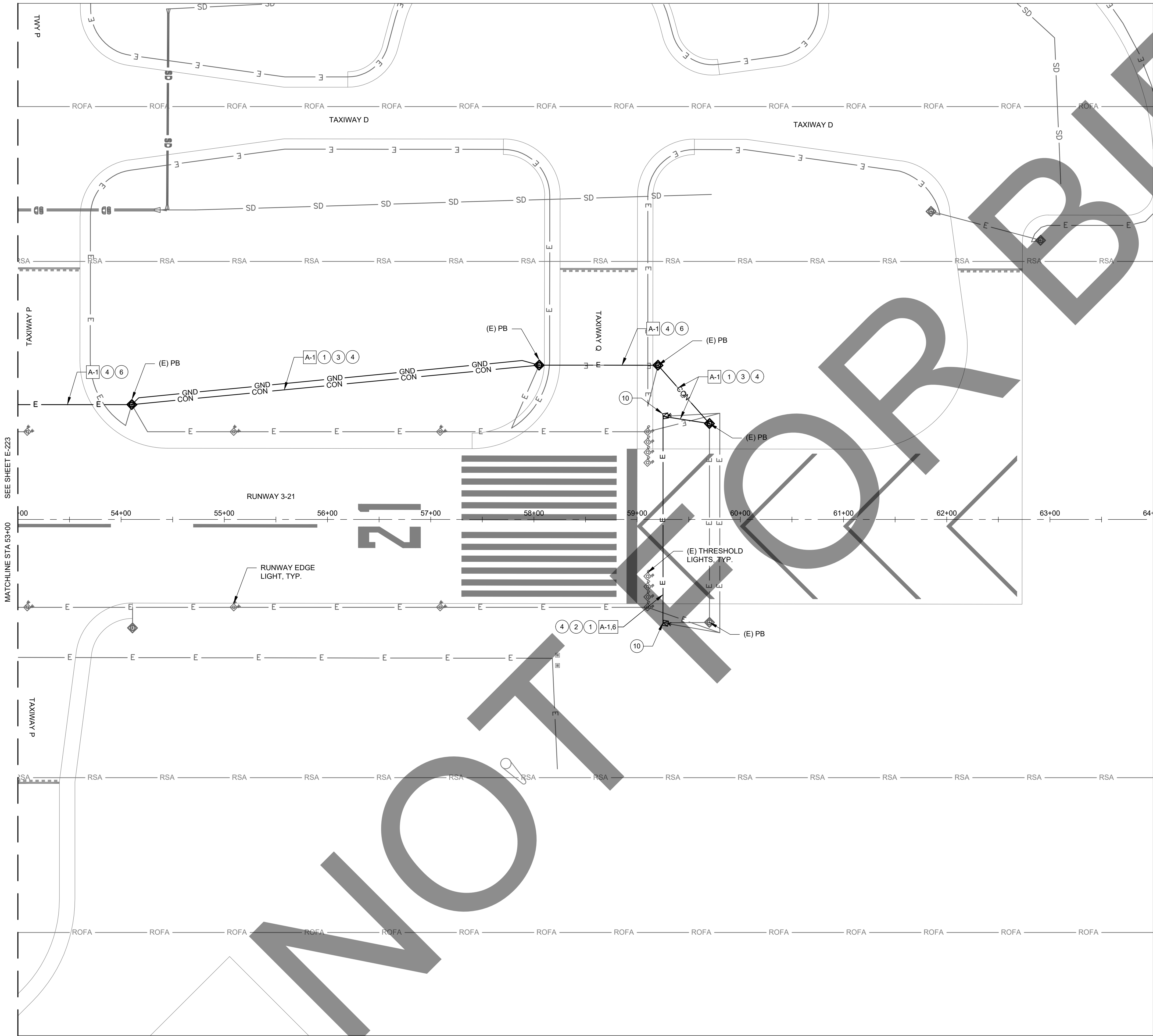
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ELECTRICAL LAYOUT
PLAN

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ELECTRICAL NOTES:

- 1 CONSTRUCT COUNTERPOISE PER DETAIL 6/E-601.
- 2 INSTALL CONCRETE ENCASED CONDUIT IN PAVED BLAST PAD AREAS, SEE DETAIL 3/E-601.
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- 5 EXISTING 1W2" CONDUIT DUCTBANK FOR EXISTING REIL'S. UTILIZE EXISTING CONDUIT AND INSTALL CABLE PER CHART BELOW.
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- 13 INSTALL ELECTRICAL PULLBOX, SIZE 1 (36"X36"X36"), AIRCRAFT RATED LID. SEE DETAIL 4/ E-601.
- 14 INSTALL CONCRETE ENCASED CONDUIT IN PAVED AREAS, SEE DETAIL 1A/E-601

CIRCUIT COLOR CODE	
TAPE COLOR CODE	CIRCUIT DESCRIPTION
ORN	3 PAPI
ORN ORN	21 PAPI
ORN ORN WHT	8L PAPI
WHT	RWY 26R-8L
WHT WHT	RWY 26L - 8R
WHT WHT WHT	RWY 21 - 3
BLU	TWY D SOUTH 26R-8L
BLU BLU	TWY D NORTH 26R-8L
BLU BLU BLU	TWY A WEST OF 21
BLU BLU BLU BLU	TWY A EAST OF 21
YEL	TWY C EAST OF 21
YEL YEL	TWY M.L.G
YEL YEL YEL	TWY C WEST OF 21
GRY	REIL 3-21
GRY GRY	REIL 8R-26L
GRY GRY GRY	REIL 8L-26R

CONDUIT CIRCUIT LEGEND:
LETTER - CONDUIT
NUMBER - CIRCUIT

EXAMPLE
[A-1]
DESCRIPTION - 2W2"
CONDUIT WITH 2 #8 FOR REIL'S 3-21

PROPOSED CABLE CHART		
#	NUMBER AND TYPE OF CABLE	PURPOSE
1	2-1/C #8, 5KV (L-824)	REIL 3-21
2	2-1/C #8, 5KV (L-824)	REIL 8R-26L
3	2-1/C #8, 5KV (L-824)	REIL 8L-26R
4	4-1/C #8, 5KV (L-824)	REIL 8R-26L REIL 8L-26R
5	6-1/C #8, 5KV (L-824)	REIL 3-21 REIL 8R-26L REIL 8L-26R
6	CONTROL CABLE PER MANUFACTURER'S REQUIREMENTS	REIL CONTROL CABLE BETWEEN MASTER AND SLAVE

CONDUIT CHART		
TYPE	NEW CONDUIT OR UTILIZE EXISTING CONDUIT	NUMBER AND TYPE OF CONDUIT
A	NEW	2W2" SCH 40 PVC CONDUIT - 1 SPARE
B	EXISTING	1W2" SCH 40 PVC CONDUIT
C	EXISTING	2W4" SCH 40 PVC CONDUIT
D	EXISTING	4W4" SCH 40 PVC CONDUIT

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meadhunt.com

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SHEET CONTENTS
ELECTRICAL LAYOUT
PLAN

SHEET NO. 33 OF 38

E-224

REILS FOR RUNWAY 3-21, RUNWAY 8L-26R,
AND RUNWAY 8R-26L PROJECT AND
VAULT UPGRADE PROJECT

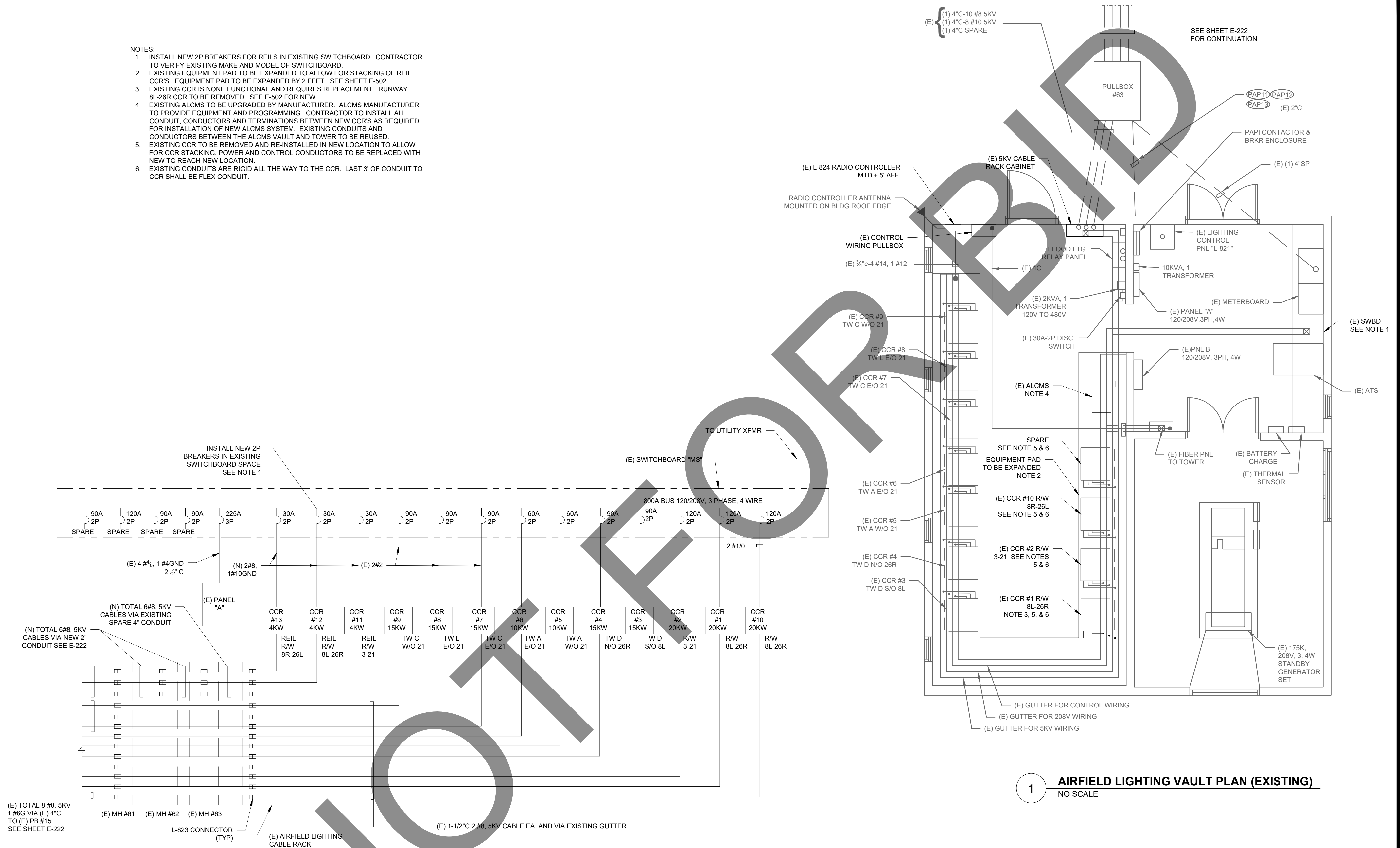
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CHINO, CA 91710

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ET NO. 34 OF 38

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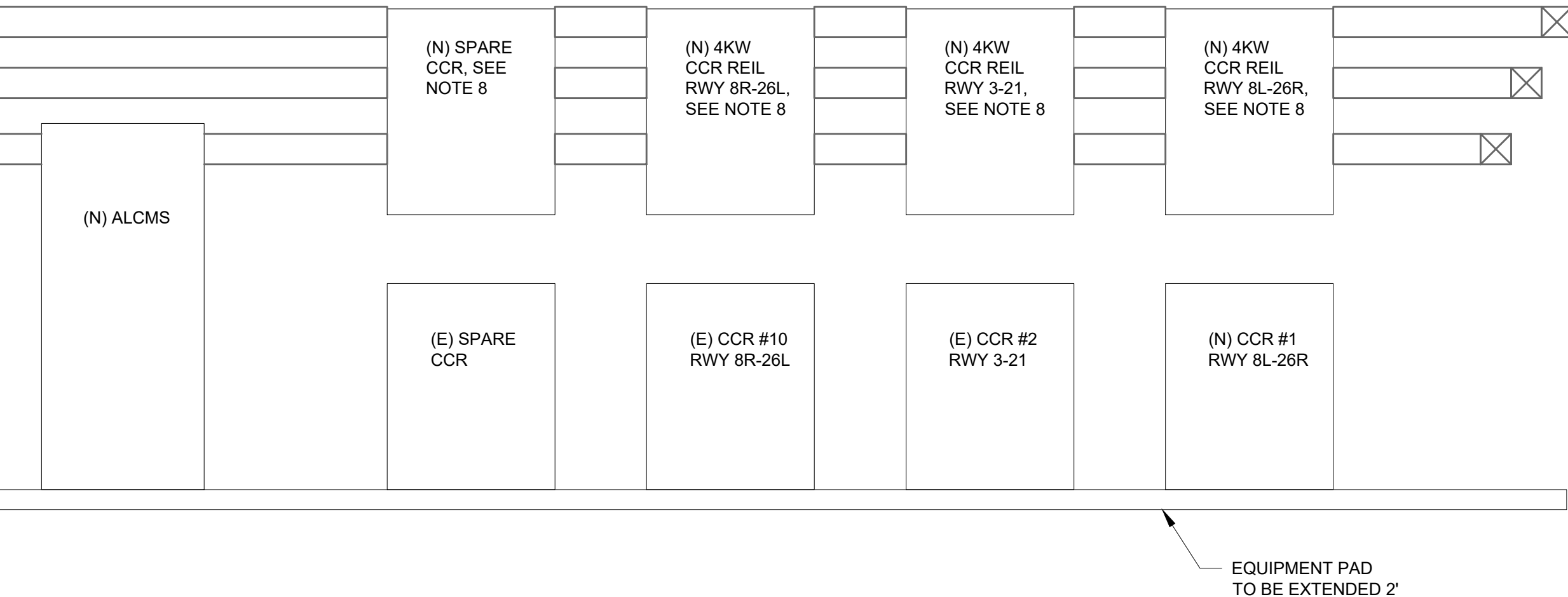
1. INSTALL NEW 2P BREAKERS FOR REILS IN EXISTING SWITCHBOARD. CONTRACTOR TO VERIFY EXISTING MAKE AND MODEL OF SWITCHBOARD.
2. EXISTING EQUIPMENT PAD TO BE EXPANDED TO ALLOW FOR STACKING OF REIL CCR'S. EQUIPMENT PAD TO BE EXPANDED BY 2 FEET. SEE SHEET E-502.
3. EXISTING CCR IS NONE FUNCTIONAL AND REQUIRES REPLACEMENT. RUNWAY 8L-26R CCR TO BE REMOVED. SEE E-502 FOR NEW.
4. EXISTING ALCMS TO BE UPGRADED BY MANUFACTURER. ALCMS MANUFACTURER TO PROVIDE EQUIPMENT AND PROGRAMMING. CONTRACTOR TO INSTALL ALL CONDUIT, CONDUCTORS AND TERMINATIONS BETWEEN NEW CCR'S AS REQUIRED FOR INSTALLATION OF NEW ALCMS SYSTEM. EXISTING CONDUITS AND CONDUCTORS BETWEEN THE ALCMS VAULT AND TOWER TO BE REUSED.
5. EXISTING CCR TO BE REMOVED AND RE-INSTALLED IN NEW LOCATION TO ALLOW FOR CCR STACKING. POWER AND CONTROL CONDUCTORS TO BE REPLACED WITH NEW TO REACH NEW LOCATION.
6. EXISTING CONDUITS ARE RIGID ALL THE WAY TO THE CCR. LAST 3' OF CONDUIT TO CCR SHALL BE FLEX CONDUIT.



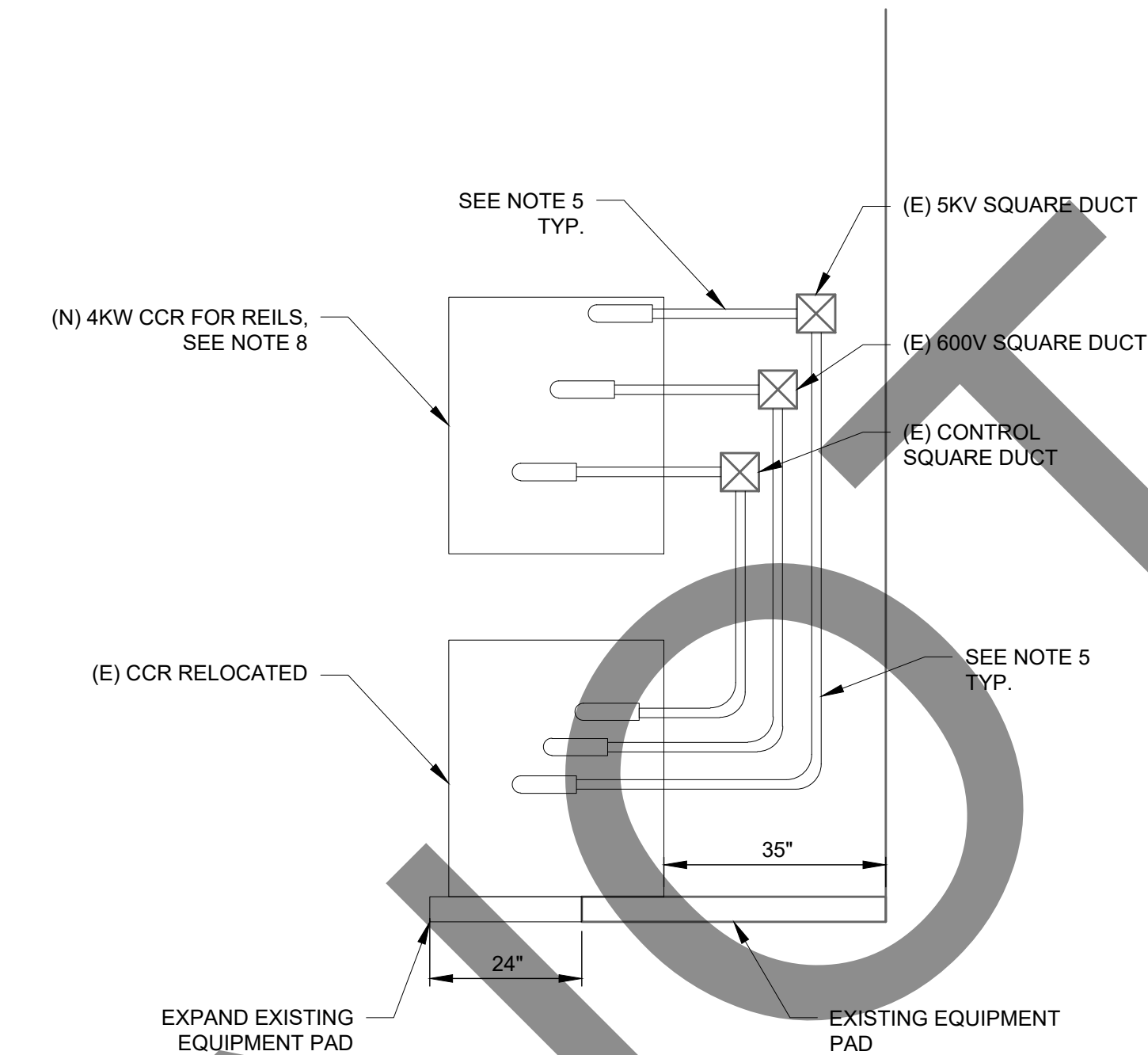
1 AIRFIELD LIGHTING VAULT PLAN (EXISTING)
NO SCALE

2 SINGLE LINE DIAGRAM (PROPOSED)
NO SCALE

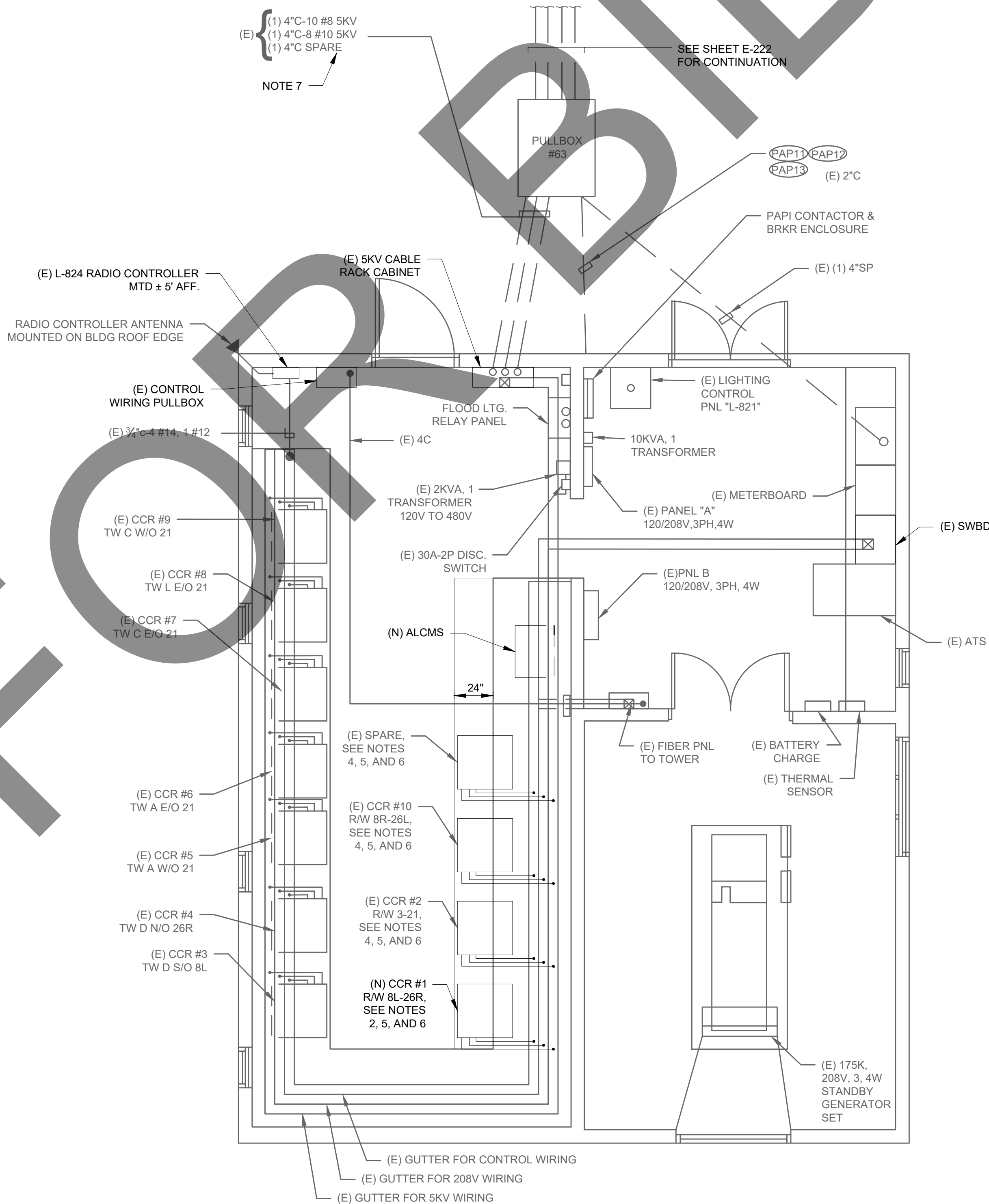
- NOTES:
- EXISTING EQUIPMENT PAD TO BE EXPANDED TO ALLOW FOR STACKING OF REIL CCR'S. EQUIPMENT PAD TO BE EXPANDED BY 2 FEET BY 25 FEET. DEPTH TO MATCH EXISTING EQUIPMENT PAD THICKNESS.
 - EXISTING CCR IS NONE FUNCTIONAL AND REQUIRES REPLACEMENT. RUNWAY 8L-26R CCR TO BE REMOVED. INSTALL NEW CCR IN NEW LOCATION.
 - EXISTING ALCMS TO BE UPGRADED. ALCMS MANUFACTURER TO PROVIDE EQUIPMENT AND PROGRAMMING. CONTRACTOR TO INSTALL ALL CONDUIT, CONDUCTORS AND TERMINATIONS BETWEEN NEW CCR'S AS REQUIRED FOR INSTALLATION OF NEW ALCMS SYSTEM. EXISTING CONDUITS AND CONDUCTORS BETWEEN THE ALCMS VAULT AND TOWER TO BE REUSED.
 - EXISTING CCR TO BE REMOVED AND RE-INSTALLED IN NEW LOCATION TO ALLOW FOR CCR STACKING. POWER AND CONTROL CONDUCTORS TO BE REPLACED WITH NEW TO REACH NEW LOCATION.
 - NEW CONDUITS TO CCR SHALL HAVE LAST 3' OF CONDUIT TO BE FLEX CONDUIT.
 - EXISTING CABLES TO BE EXTENDED AS REQUIRED TO REACH NEW CCR LOCATION. SPLICES SHALL BE INSIDE SQUARE DUCT.
 - NEW 6#8 5KV REIL CABLES TO UTILIZE EXISTING 4" SPARE CONDUIT TO LEAVE THE ELECTRICAL VAULT OUT TO PULLBOX 63.
 - CCR STACKING SUPPORT SYSTEM NOT SHOWN. STRUCTURAL SUPPORT SYSTEM SHALL BE DESIGNED BY CONTRACTOR BASED ON THE CCR MANUFACTURER. CONTRACTOR TO SUBMIT PROPOSED CONFIGURATION AND DESIGN FOR APPROVAL DURING MOBILIZATION.



2 CCR SECTION VIEW (FRONT)
1/8" = 1'-0"

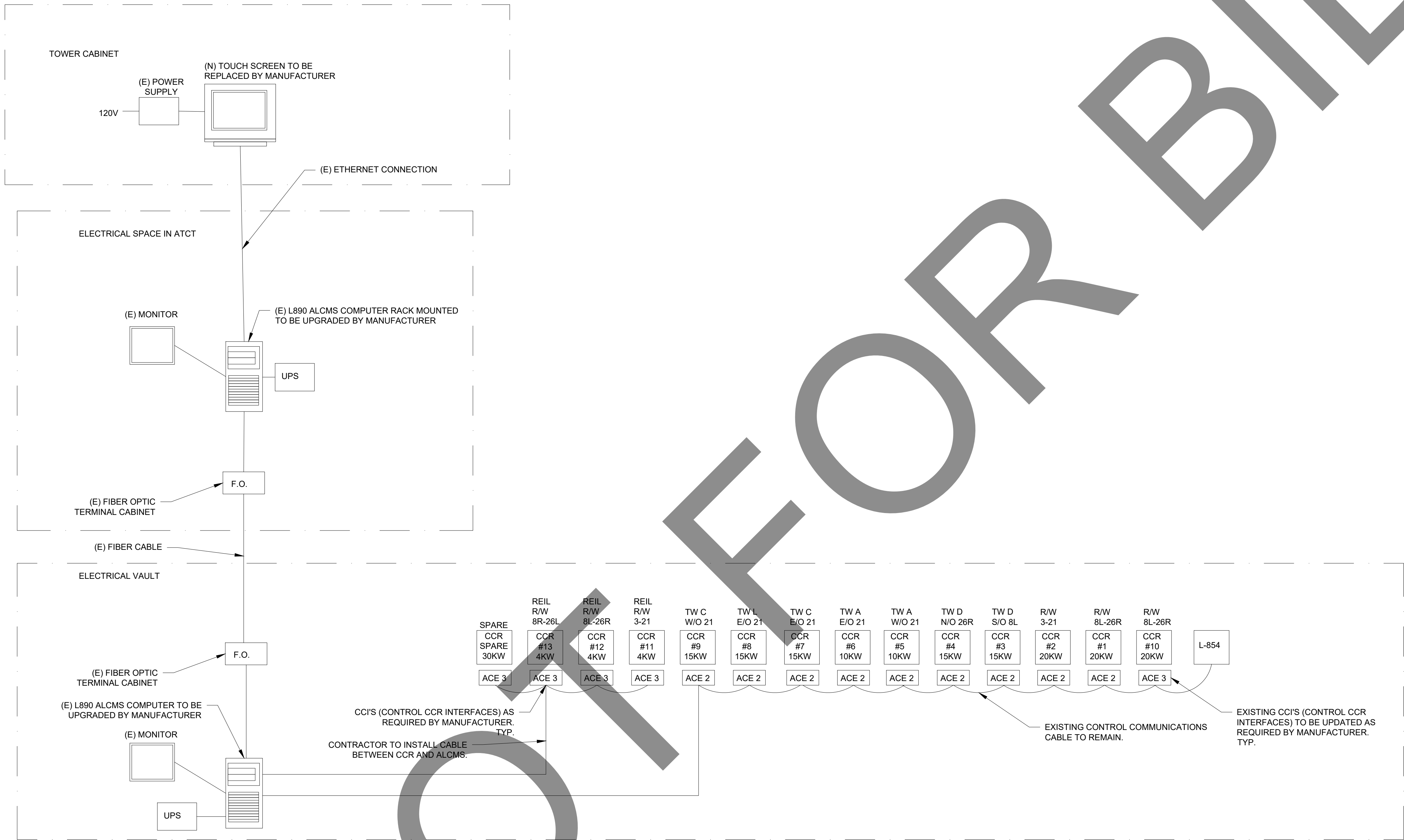


3 CCR SECTION VIEW (SIDE)
1/8" = 1'-0"



1 AIRFIELD LIGHTING VAULT PLAN (PROPOSED)
1/4" = 1'-0"

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1 **L-890 AIRFIELD LIGHTING CONTROL AND MONITORING SYSTEM ALCMS**
NO SCALE

- GENERAL NOTES:
1. THE PARTIAL WIRING DIAGRAM SHOWN IS BASED ON EXISTING DRAWINGS AND IS INTENDED FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITION AND BE RESPONSIBLE FOR TROUBLESHOOTING AND INVESTIGATIVE WORK NECESSARY TO INSTALL COMPLETELY OPERATIVE AIRFIELD LIGHTING CONTROLS FOR THE NEW RIEL SYSTEM.
 2. NEW ALCMS SYSTEM TO BE COORDINATED FOR INSTALLATION.
 - 2.1. CONTRACTOR TO INSTALL THE FOLLOWING FOR ALCMS INSTALLATION:
 - 2.1.1. TBD AFTER COORDINATION WITH MANUFACTURER.
 3. NEW ALCMS SHALL BE INSTALLED AND FULLY TESTED PRIOR TO CUT OVER TO CONTROL EXISTING AIRFIELD EQUIPMENT.

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These documents shall not be used for any other project without the written consent of Mead and Hunt, Inc. No part of these documents, in part or as a whole, is prohibited.

CHINO AIRPORT
REILS FOR RUNWAY 3-21, RUNWAY 8L-26R,
AND RUNWAY 8R-26L PROJECT AND
VAULT UPGRADE PROJECT
7000 MERRILL AVE
CHINO, CA 91710

ISSUED FOR BID



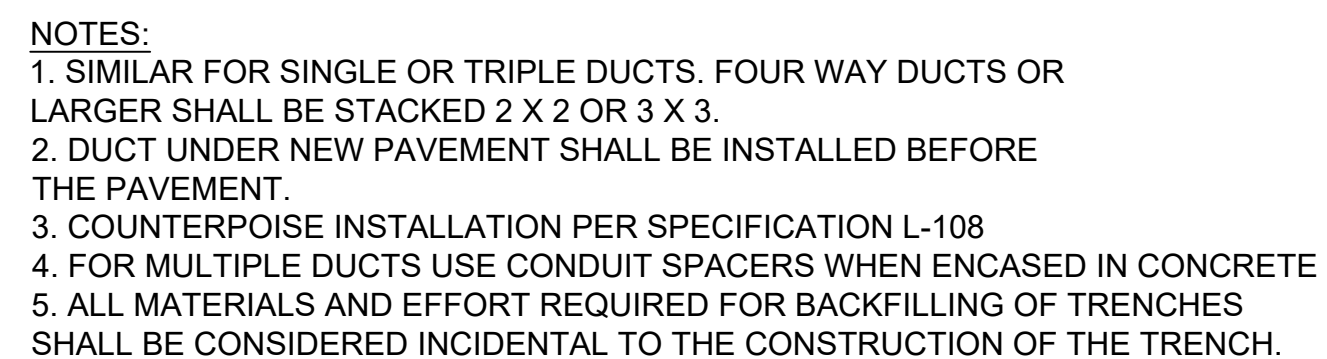
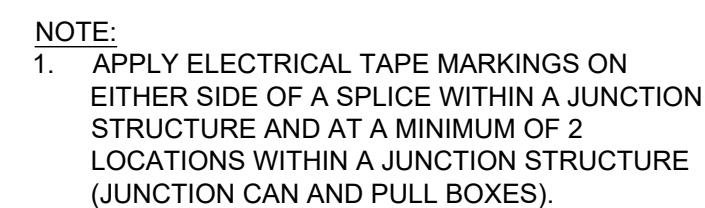
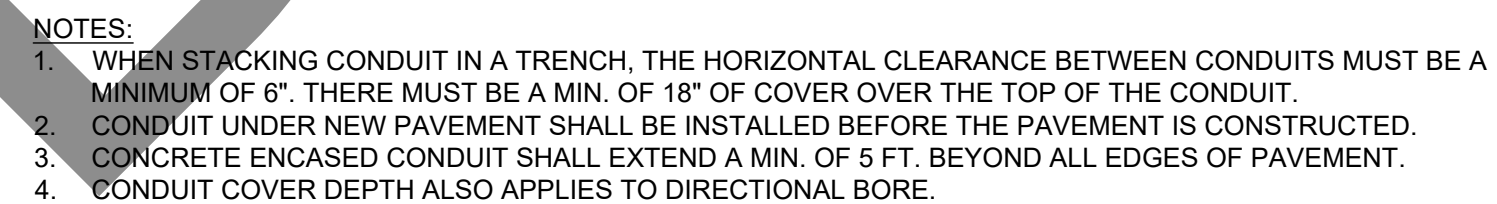
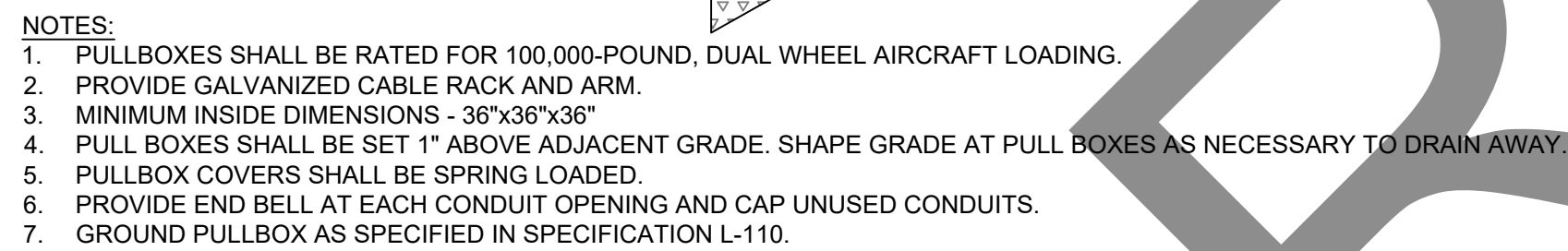
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MSH NO.: 4665437-211181.01
DATE: FEBRUARY 28, 2023
DESIGNED BY: BBW
DRAWN BY: SKN
CHECKED BY: BWB
DO NOT SCALE DRAWINGS

SHEET CONTENTS
VAULT SCHEMATIC

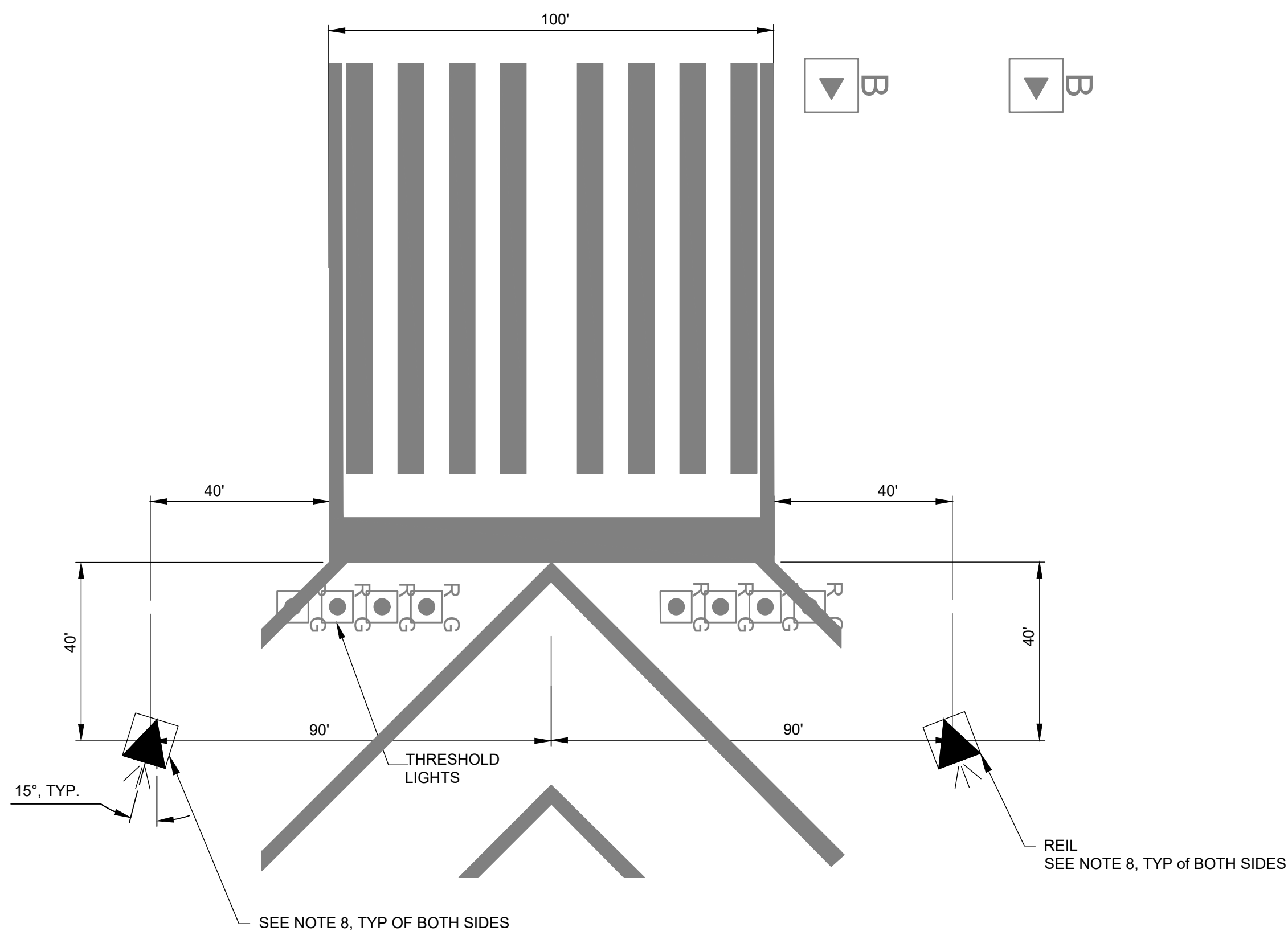
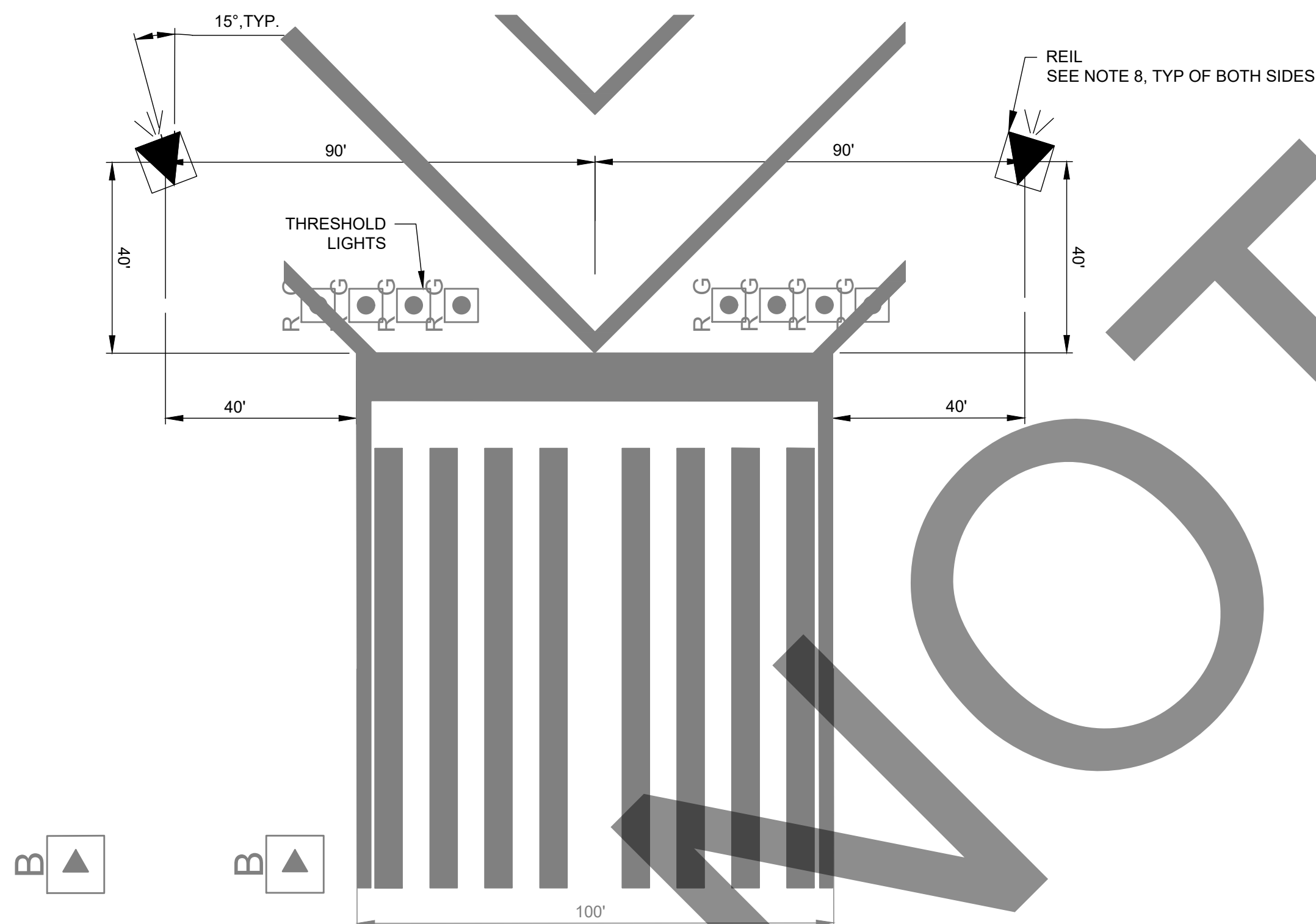
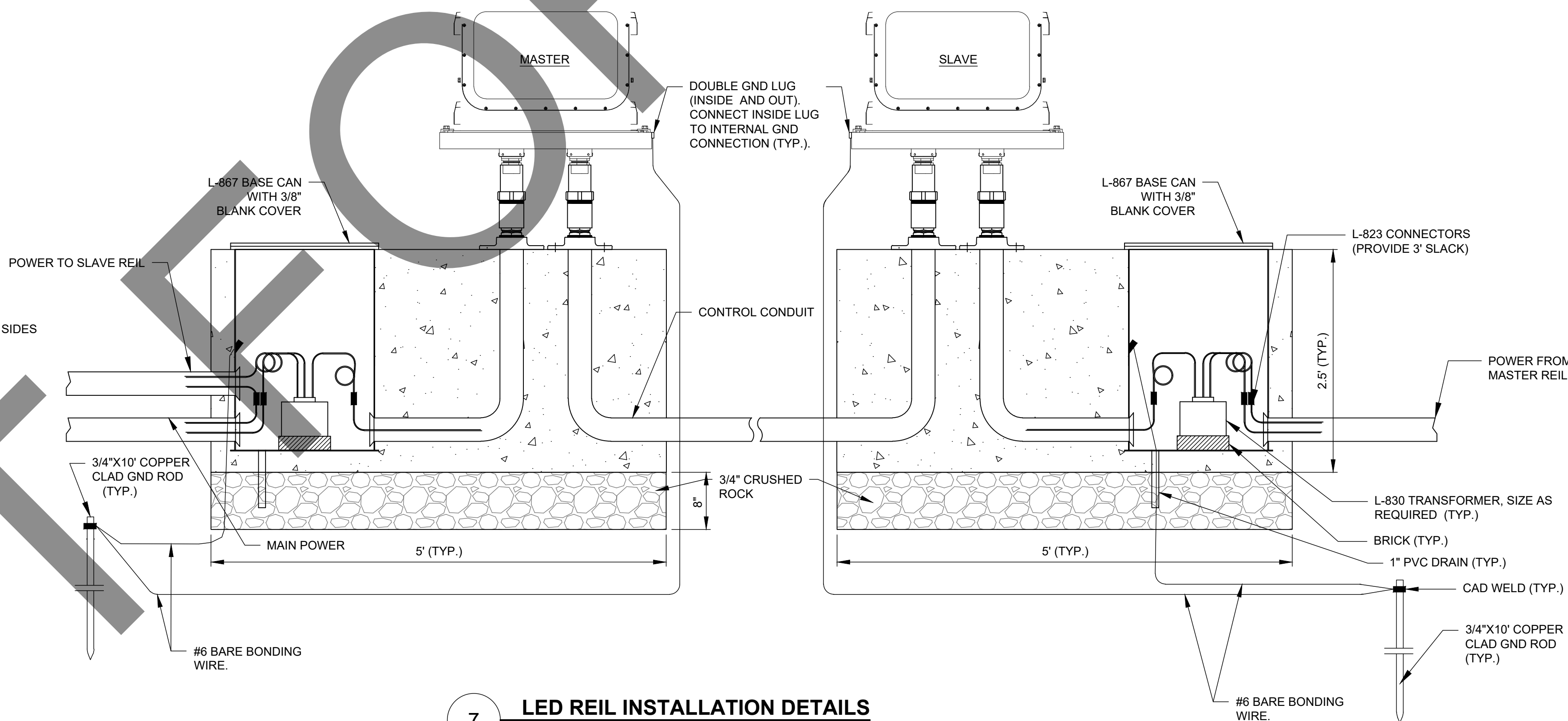
SHEET NO. 36 OF 38

E-503



REIL INSTALLATION NOTES:

1. OPTIONAL BASE FLANGE SHOWN FOR REFERENCE ONLY.
2. USE 2 INCH GSRC COUPLING IF BASE FLANGE NOT USED.
3. USE 2 INCH PVC FOR POWER AND INTERCONNECT WIRING.
4. THE OVERALL HEIGHT OF THE OPTICAL ASSEMBLY SHALL NOT EXCEED 34 INCHES.
5. INTERCONNECT WIRING BETWEEN MASTER AND SLAVE UNITS SHALL BE AS REQUIRED BY THE MANUFACTURER.
6. L-830 IN-LINE TRANSFORMERS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.
7. LAYOUT DIMENSIONS SHALL BE TO THE CENTER TO THE FACE OF THE STROBE LIGHT.
8. ORIENT THE REIL BEAM AXIS OF AN UN-BAFFLED UNIT 15 DEGREES OUTWARD FROM A LINE PARALLEL WITH THE RUNWAY AND INCLINED AT AN ANGLE 10 DEGREES ABOVE HORIZONTAL.

**8 REIL LAYOUT (TYP.)**
NO SCALE**9 REIL LAYOUT (TYP.)**
NO SCALE**7 LED REIL INSTALLATION DETAILS**
NO SCALE