

SITE PLAN SYMBOLS

NEW	EXISTING	
		FOR AIRFIELD, NEW/EXISTING BURIED SERIES CIRCUIT CONDUIT AND CONDUCTORS. SLASHES INDICATE NUMBER OF CONDUCTORS.
		FOR AIRFIELD, NEW SERIES CIRCUIT CONDUCTORS IN EXISTING CONDUIT. SLASHES INDICATE NUMBER OF CONDUCTORS.
		EXPOSED TEMPORARY AIRFIELD CONDUCTOR
		NEW/EXISTING RUNWAY LIGHT ELEVATED
		NEW/EXISTING RUNWAY LIGHT FLUSH MOUNT
COLOR LEGEND: W - WHITE/CLEAR Y - YELLOW R - RED G - GREEN O - OBSCURED		
		NEW/EXISTING TAXIWAY EDGE LIGHT
		NEW/EXISTING TAXIWAY LIGHT FLUSH MOUNT
		NEW/EXISTING ILLUMINATED AIRFIELD SIGN
		NEW/EXISTING ILLUMINATED AIRFIELD SIGN WITH DUAL BASECANS
		DEMOLITION
		NEW/EXISTING ELECTRICAL HANDHOLE
		NEW/EXISTING BASECAN HANDHOLE
		NEW/EXISTING LIGHTED WIND CONE
		NEW/EXISTING REIL
		LIGHTED CLOSURE X
		NEW/EXISTING DUCT MARKER
		EXISTING, TO REMAIN AS-IS
		EQUIPMENT IDENTIFIER
		CONDUIT STUB UP
		CONDUIT TURNING UP

BUILDING PLAN SYMBOLS

	HOMERUN
	CONDUIT TRANSITION, i.e. PVC TO GRS
	EQUIPMENT, PURPOSE AS NOTED
	DUPLEX RECEPTACLE, GFCI WP SUBSCRIPT INDICATES WATERPROOF WHILE IN USE
	GROUND
	GROUND ROD
	CONDUIT TURNING DOWN
	CONDUIT TURNING UP
	CONDUIT STUBBED UP AND CAPPED
	CONNECTION TO EQUIPMENT
	EXISTING EQUIPMENT TO REMAIN AS-IS

ONE-LINE SYMBOLS

	DEMOLITION		CONDUIT STUB
	FUSE		METER
	GENERATOR		CURRENT TRANSFORMER
	GROUND		CONSTANT CURRENT REGULATOR
	MOTOR		FUSED SWITCH
	POWER TRANSFORMER		ANTENNA
	SWITCH		AVAILABLE FAULT CURRENT
	SURGE ARRESTER		
	GROUND ROD		

LEGEND (EXISTING)

	BRASS CAP SURFACE MONUMENT
	REBAR & CAP
	SANITARY SEWER CLEANOUT
	STORM DRAIN MANHOLE
	CATCH BASIN
	ELECTRICAL JUNCTION BOX
	SIGN
	WATER VALVE
	MONITORING WELL
	STORM LINE
	SANITARY SEWER LINE
	WATER LINE
	FENCE LINE
	AERIAL POWER LINE
	GAS LINE
	BURIED POWER LINE
	PROPERTY LINE
	UTILITY POLE
	RUNWAY/TAXIWAY EDGE LIGHT

LEGEND (PROPOSED)

	CONSTRUCTION AREA
	ACTIVE RUNWAY AND AIRCRAFT TAXI ROUTES
	6" PERF HDPE SUBDRAIN
	STORM DRAIN
	RUNWAY SAFETY AREA
	RUNWAY OBJECT FREE AREA
	TAXIWAY SAFETY AREA
	TAXIWAY OBJECT FREE AREA
	PART 77 APPROACH SURFACE
	RUNWAY PROTECTION ZONE
	CONSTRUCTION LIMIT BARRIER FENCE (ORANGE)
	BRASS CAP SURFACE MONUMENT
	REBAR/CAP
	DETAIL REFERENCE
	IMAGE REFERENCE

ABBREVIATIONS

A	AMPERE	SCA	SHORT CIRCUIT AMPS SCHEDULE
AFF	ABOVE FINISHED FLOOR	SCH	SCHEDULE
AFG	ABOVE FINISHED GRADE	SCO	SERIES CUT OUT
AIC	AMPERE INTERRUPTING CAPACITY	SE	SERVICE ENTRANCE
AL	ALUMINUM	S.O.	HARD SERVICE OIL-RESISTANT
AMP	AMPERE	SPD	SURGE PROTECTIVE DEVICE
AP	ANGLE POINT	SPEC	SPECIFICATION
ASOS	AUTOMATED SURFACE OBSERVATION SYSTEM	SQ	SQUARE
AUTO	AUTOMATIC	SS	STAINLESS STEEL
AWG	AMERICAN WIRE GAUGE	STA	STATION
		SW	SWITCH
BKR	BREAKER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
BLDG	BUILDING	TSA	TAXIWAY SAFETY AREA
		TWY, T/W	TAXIWAY TYPICAL
C	CONDUIT, CONTROL, CONDUCTOR	XFMR	TRANSFORMER
CCR	CONSTANT CURRENT REGULATOR		
CKT	CIRCUIT		
C	CENTERLINE		
CMU	CONCRETE MASONRY UNIT		
CT	CURRENT TRANSFORMER	UG	UNDERGROUND
CU	COPPER	UNO	UNLESS NOTED OTHERWISE
		U.S.E.	UNDERGROUND SERVICE ENTRANCE CABLE
		UV	UTILITY VAULT, CO.
DIA	DIAMETER	V	VOLT
DRM	DISTANCE REMAINING MARKER	VA	VOLT - AMPERE
DWG	DRAWING	VASI	VISUAL APPROACH SLOPE INDICATOR
		WP	WATERPROOF
E, ELEC, ELEC	ELECTRICAL		
EMT	ELECTRICAL METALLIC TUBING		
EP	EDGE OF PAVEMENT		
EQUIP	EQUIPMENT		
EXIST	EXISTING		
FAA	FEDERAL AVIATION ADMINISTRATION		
FLA	FULL LOAD AMPERES		
FLEX	FLEXIBLE		
FT	FEET, FOOT		
FU	FUSE		
GFCI	GROUND FAULT CIRCUIT INTERRUPTER		
G,GND	GROUND		
GRS	GALVANIZED RIGID STEEL		
HIRL	HIGH INTENSITY RUNWAY LIGHTING		
HH	HANDHOLE		
HP	HORSEPOWER		
HPS	HIGH PRESSURE SODIUM		
HTR	HEATER		
ILS	INSTRUMENT LANDING SYSTEM		
JB	JUNCTION BOX		
KCMIL	THOUSAND CIRCULAR MILS		
KIP	KILO INCH POUND		
KV	KILOVOLT		
KVA	KILOVOLT - AMPERE		
KW	KILOWATT		
KWH	KILOWATT - HOUR		
LO/TO	LOCK-OUT/TAG-OUT		
MALSR	MEDIUM INTENSITY APPROACH LIGHT SYSTEM WITH RUNWAY ALIGNMENT INDICATOR LIGHTS		
	MAXIMUM MANHOLE		
	MINIMUM MANHOLE		
	MEDIUM INTENSITY RUNWAY LIGHTING MAIN LUGS ONLY		
	EMPTY		
	MEDIUM VOLTAGE		
N	NEUTRAL		
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION		
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION		
NIC	NOT IN CONTRACT - TO BE INSTALLED BY OTHERS		
NTS	NOT TO SCALE		
OOS	OUT OF SERVICE		
P	POLE, PUMP, POWER		
PAPI	PRECISION APPROACH PATH INDICATOR		
PB	PULL BOX, PUSHBUTTON		
PC	PHOTO-CELL		
PH, Ø	PHASE		
PNL	PANEL		
PR	PAIR		
PVC	POLYVINYL CHLORIDE		
R	RADIUS		
RCPT	RECEPTACLE		
REIL	RUNWAY END IDENTIFIER LIGHT		
RM	ROOM		
ROFA	RUNWAY OBJECT FREE AREA		
RPZ	RUNWAY PROTECTION ZONE		
RSA	RUNWAY SAFETY AREA		
RWY, R/W	RUNWAY		

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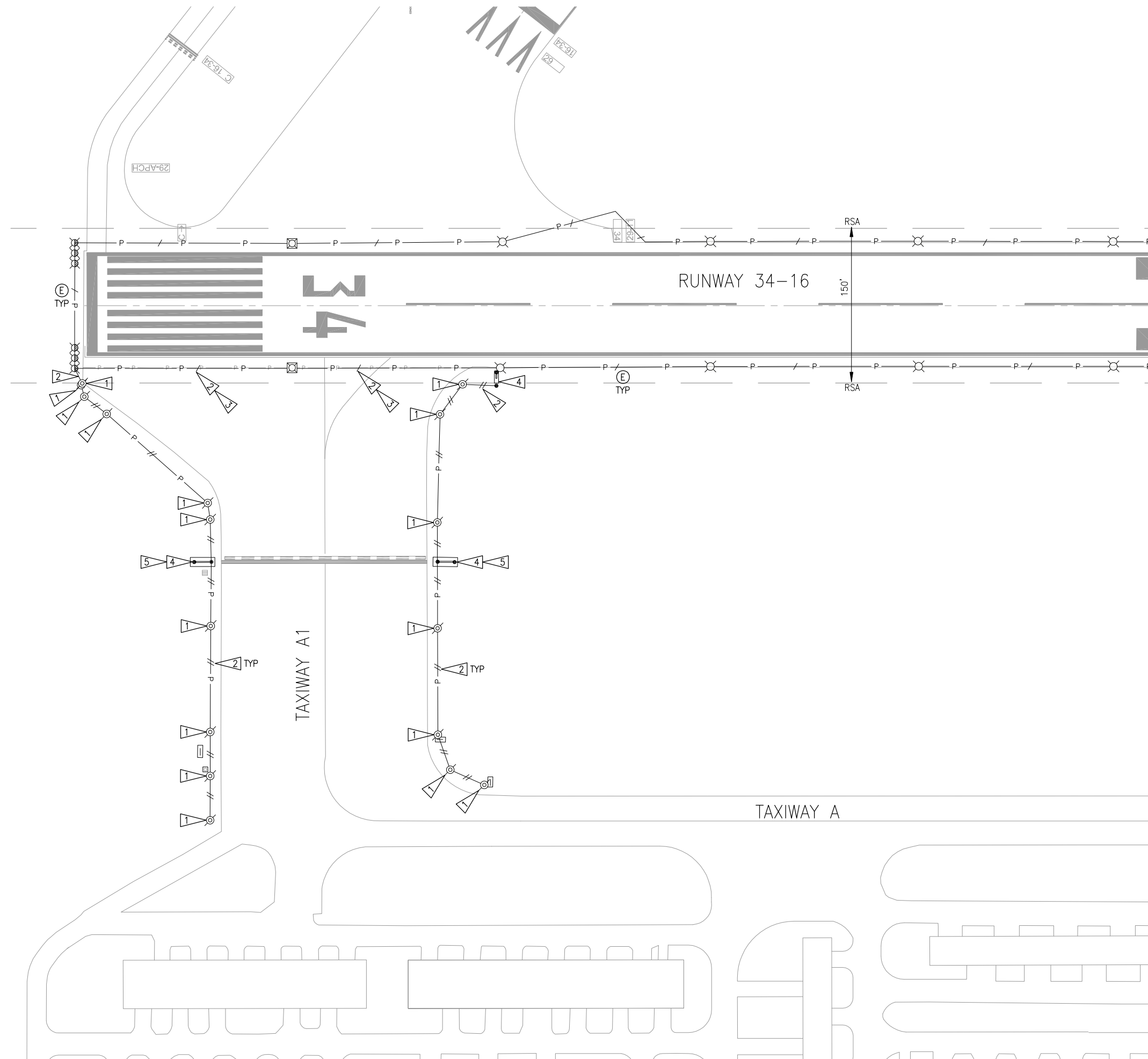
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ELECTRICAL SYMBOLS AND ABBREVIATIONS
 CITY OF ARLINGTON
TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E01
 SCALE AS NOTED

SHEET NUMBER
E0.1





MATCHLINE (SEE SHEET E1.2)

GENERAL NOTES

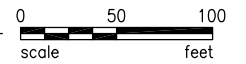
1. RUNWAY CIRCUIT SHALL REMAIN OPERABLE THROUGHOUT CONSTRUCTION EXCEPT DURING APPROVED OUTAGES. TAKE NECESSARY MEASURES TO MAINTAIN CIRCUIT CONTINUITY.
2. SEE CIVIL SHEETS FOR DEMOLITION NOTES FOR UNILLUMINATED SIGNS.

KEYED NOTES

1. DEMOLISH TAXIWAY EDGE LIGHT FIXTURE, ISOLATION TRANSFORMER AND BASECAN. CONNECTED CONDUIT MAY BE ABANDONED IN-PLACE. RESTORE AREA.
2. REMOVE CABLE FROM CONDUIT.
3. INSTALL REPLACEMENT CABLE CONCURRENT WITH CABLE REMOVAL TO MAINTAIN CIRCUIT OPERABILITY.
4. EXISTING SIGN:
 - BASE BID - SIGN TO REMAIN AND BE CONNECTED TO NEW CABLE AS REQUIRED.
 - ALTERNATE BID - DEMOLISH SIGN AND ISOLATION TRANSFORMER(S). SIGN BASE TO BE REUSED FOR INSTALLATION OF REPLACEMENT SIGN.
5. EXISTING SIGN IS 6 MODULES. IF REPLACEMENT SIGN IS 7 MODULES, DEMOLISH EXISTING BASE AND PROVIDE NEW BASE PER DWG E4.1, DETAIL 1.



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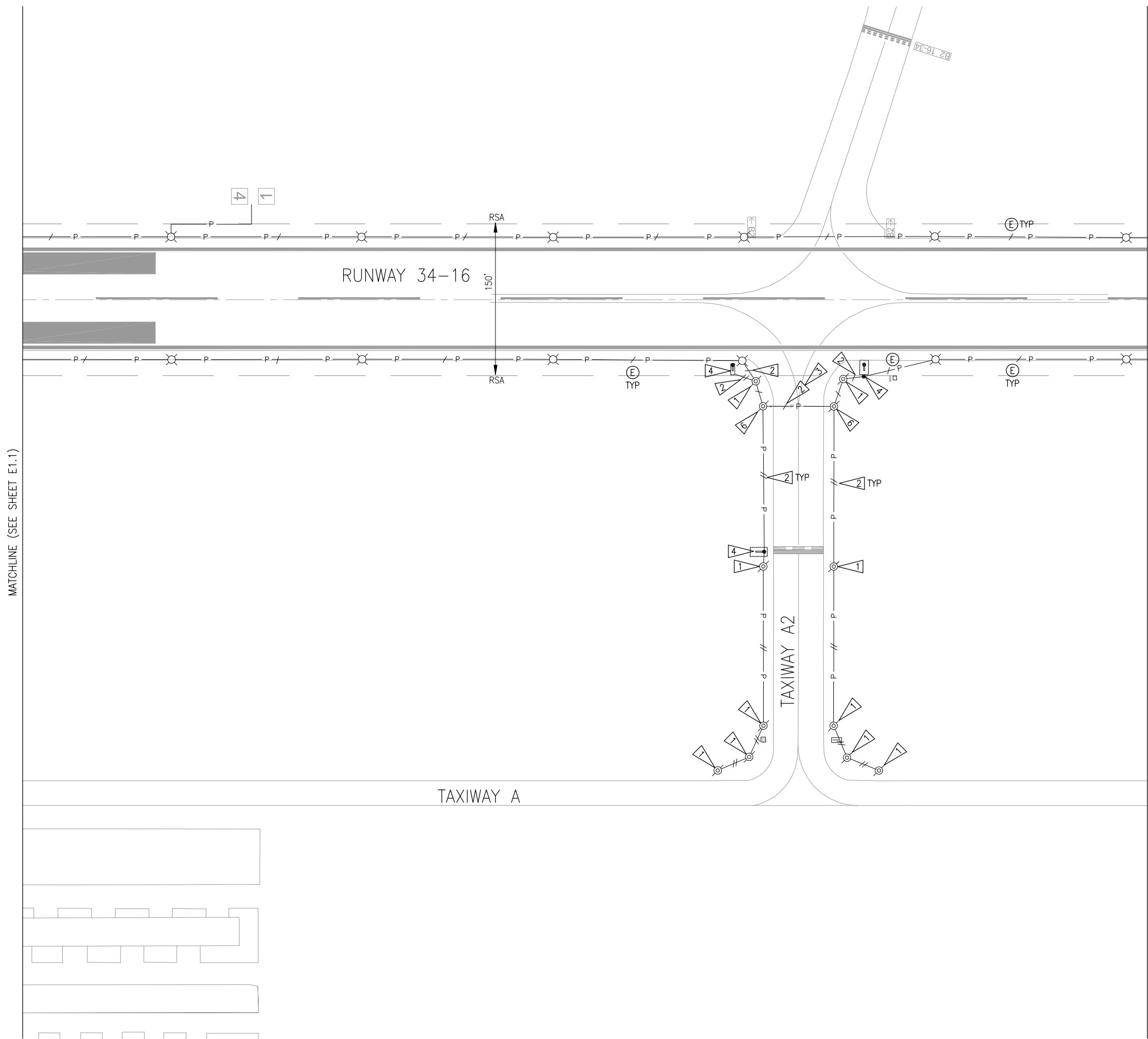
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TAXIWAY A DEMOLITION PLAN (1 OF 5)
 CITY OF ARLINGTON
 TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E11
 SCALE AS NOTED

SHEET NUMBER
E1.1



GENERAL NOTES

1. RUNWAY CIRCUIT SHALL REMAIN OPERABLE THROUGHOUT CONSTRUCTION EXCEPT DURING APPROVED OUTAGES. TAKE NECESSARY MEASURES TO MAINTAIN CIRCUIT CONTINUITY.
2. SEE CIVIL SHEETS FOR DEMOLITION NOTES FOR UNILLUMINATED SIGNS.

KEYED NOTES

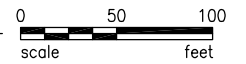
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2. REMOVE CABLE FROM CONDUIT.
3. INSTALL REPLACEMENT CABLE CONCURRENT WITH CABLE REMOVAL TO MAINTAIN CIRCUIT OPERABILITY.
4. EXISTING SIGN:
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 - ALTERNATE BID - DEMOLISH SIGN AND ISOLATION TRANSFORMER(S). SIGN BASE TO BE REUSED FOR INSTALLATION OF REPLACEMENT SIGN.
5. NOT USED.
6. DEMOLISH TAXIWAY EDGE LIGHT FIXTURE AND ISOLATION TRANSFORMER. BASECAN TO REMAIN AND BE USED FOR HANDHOLE.

MATCHLINE (SEE SHEET E1.1)

MATCHLINE (SEE SHEET E1.3)



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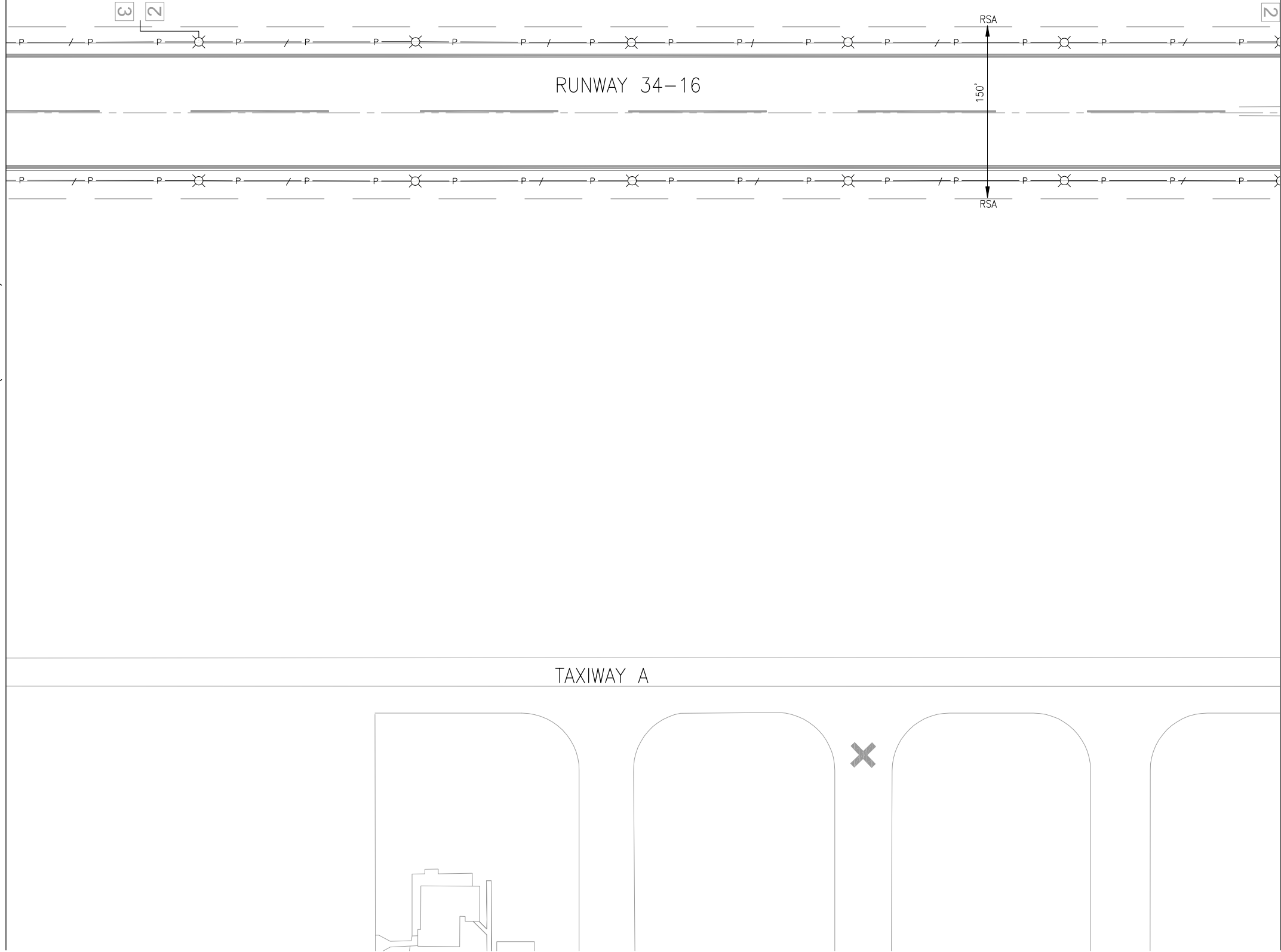
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TAXIWAY A DEMOLITION PLAN (2 OF 5)
 CITY OF ARLINGTON
 TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E12
 SCALE AS NOTED

SHEET NUMBER
E1.2

MATCHLINE (SEE SHEET E1.2)

MATCHLINE (SEE SHEET E1.4)



GENERAL NOTES

1. SHEET IS FOR INFORMATION ONLY. NO WORK SHOWN.
2. SEE CIVIL SHEETS FOR DEMOLITION NOTES FOR UNILLUMINATED SIGNS.

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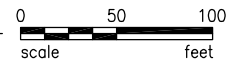
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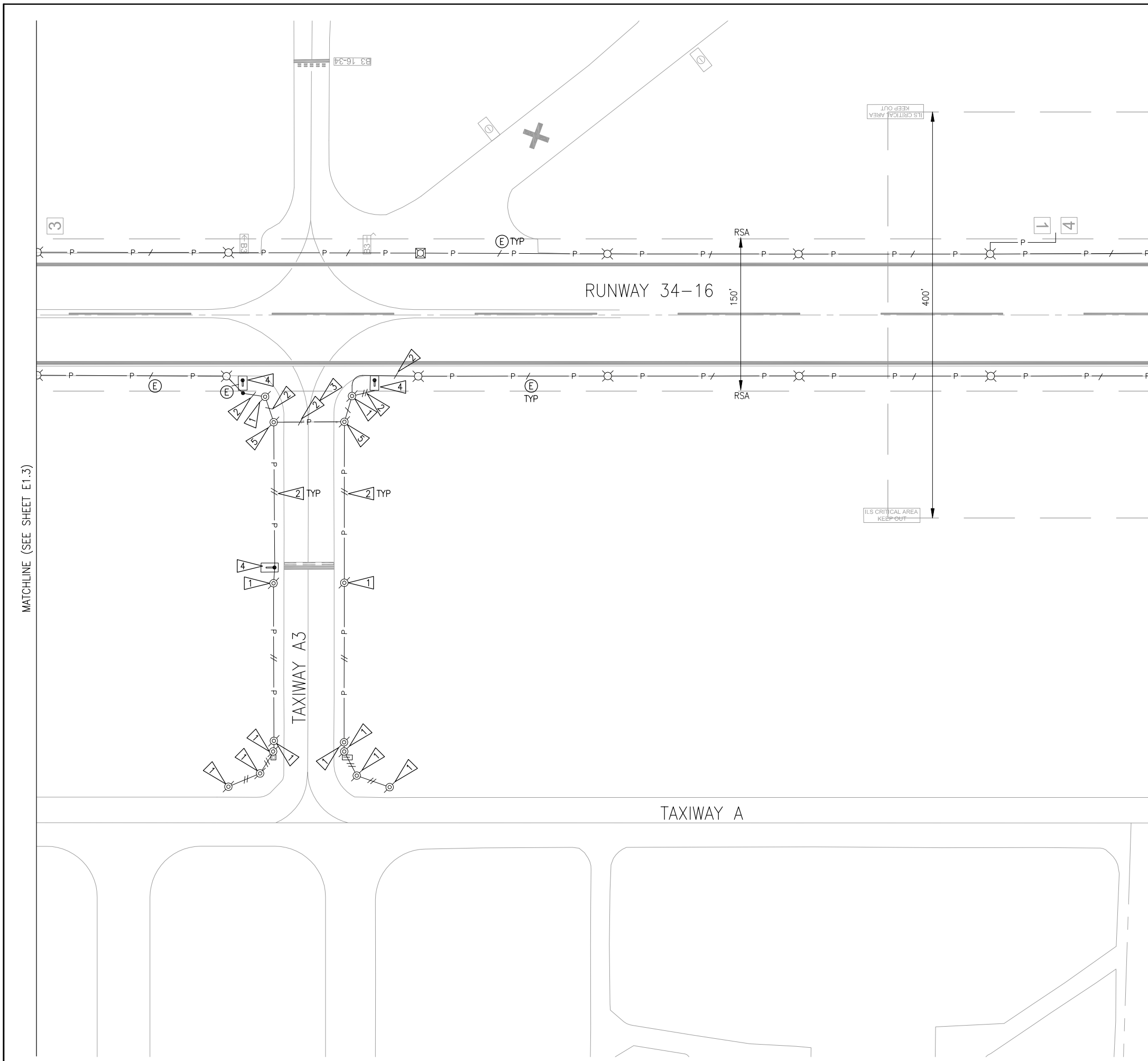
TAXIWAY A DEMOLITION PLAN (3 OF 5)
 CITY OF ARLINGTON
 TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E13
 SCALE AS NOTED

SHEET NUMBER
E1.3



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GENERAL NOTES

1. RUNWAY CIRCUIT SHALL REMAIN OPERABLE THROUGHOUT CONSTRUCTION EXCEPT DURING APPROVED OUTAGES. TAKE NECESSARY MEASURES TO MAINTAIN CIRCUIT CONTINUITY.
2. SEE CIVIL SHEETS FOR DEMOLITION NOTES FOR UNILLUMINATED SIGNS.

KEYED NOTES

- 1 DEMOLISH TAXIWAY EDGE LIGHT FIXTURE, ISOLATION TRANSFORMER AND BASECAN. CONNECTED CONDUIT MAY BE ABANDONED IN-PLACE. RESTORE AREA.
- 2 REMOVE CABLE FROM CONDUIT.
- 3 INSTALL REPLACEMENT CABLE CONCURRENT WITH CABLE REMOVAL TO MAINTAIN CIRCUIT OPERABILITY.
- 4 EXISTING SIGN:
 - BASE BID - SIGN TO REMAIN AND BE CONNECTED TO NEW CABLE AS REQUIRED.
 - ALTERNATE BID - DEMOLISH SIGN AND ISOLATION TRANSFORMER(S). SIGN BASE TO BE REUSED FOR INSTALLATION OF REPLACEMENT SIGN.
- 5 DEMOLISH TAXIWAY EDGE LIGHT FIXTURE AND ISOLATION TRANSFORMER. BASECAN TO REMAIN AND BE USED FOR HANDHOLE.

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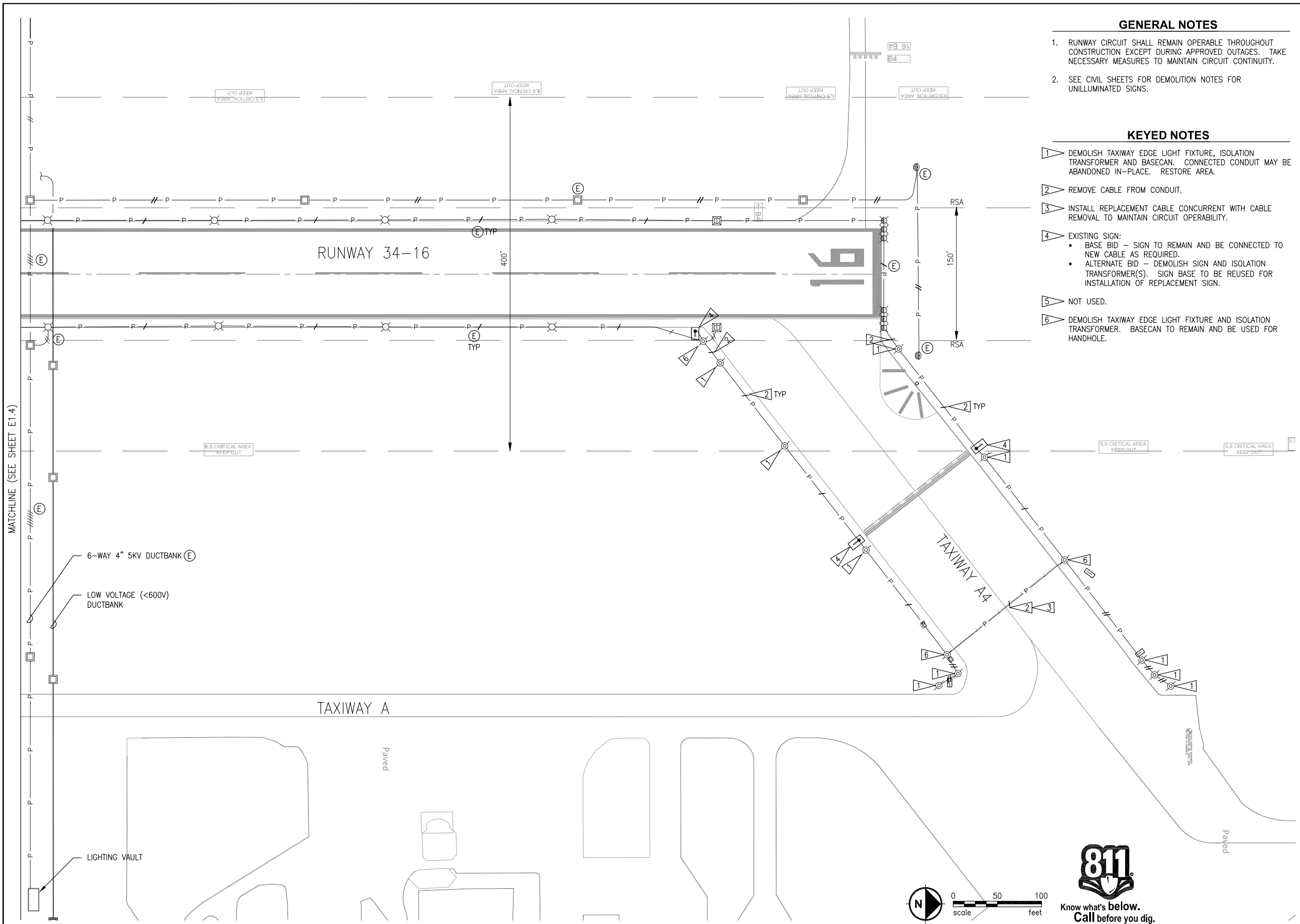
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TAXIWAY A DEMOLITION PLAN (4 OF 5)
 CITY OF ARLINGTON
 TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E14
 SCALE AS NOTED

SHEET NUMBER
E1.4

811
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0 50 100
 scale feet



GENERAL NOTES

1. RUNWAY CIRCUIT SHALL REMAIN OPERABLE THROUGHOUT CONSTRUCTION EXCEPT DURING APPROVED OUTAGES. TAKE NECESSARY MEASURES TO MAINTAIN CIRCUIT CONTINUITY.
2. SEE CIVIL SHEETS FOR DEMOLITION NOTES FOR UNILLUMINATED SIGNS.

KEYED NOTES

- 1 DEMOLISH TAXIWAY EDGE LIGHT FIXTURE, ISOLATION TRANSFORMER AND BASECAN. CONNECTED CONDUIT MAY BE ABANDONED IN-PLACE. RESTORE AREA.
- 2 REMOVE CABLE FROM CONDUIT.
- 3 INSTALL REPLACEMENT CABLE CONCURRENT WITH CABLE REMOVAL TO MAINTAIN CIRCUIT OPERABILITY.
- 4 EXISTING SIGN:
 - BASE BID - SIGN TO REMAIN AND BE CONNECTED TO NEW CABLE AS REQUIRED.
 - ALTERNATE BID - DEMOLISH SIGN AND ISOLATION TRANSFORMER(S). SIGN BASE TO BE REUSED FOR INSTALLATION OF REPLACEMENT SIGN.
- 5 NOT USED.
- 6 DEMOLISH TAXIWAY EDGE LIGHT FIXTURE AND ISOLATION TRANSFORMER. BASECAN TO REMAIN AND BE USED FOR HANDHOLE.

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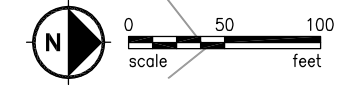
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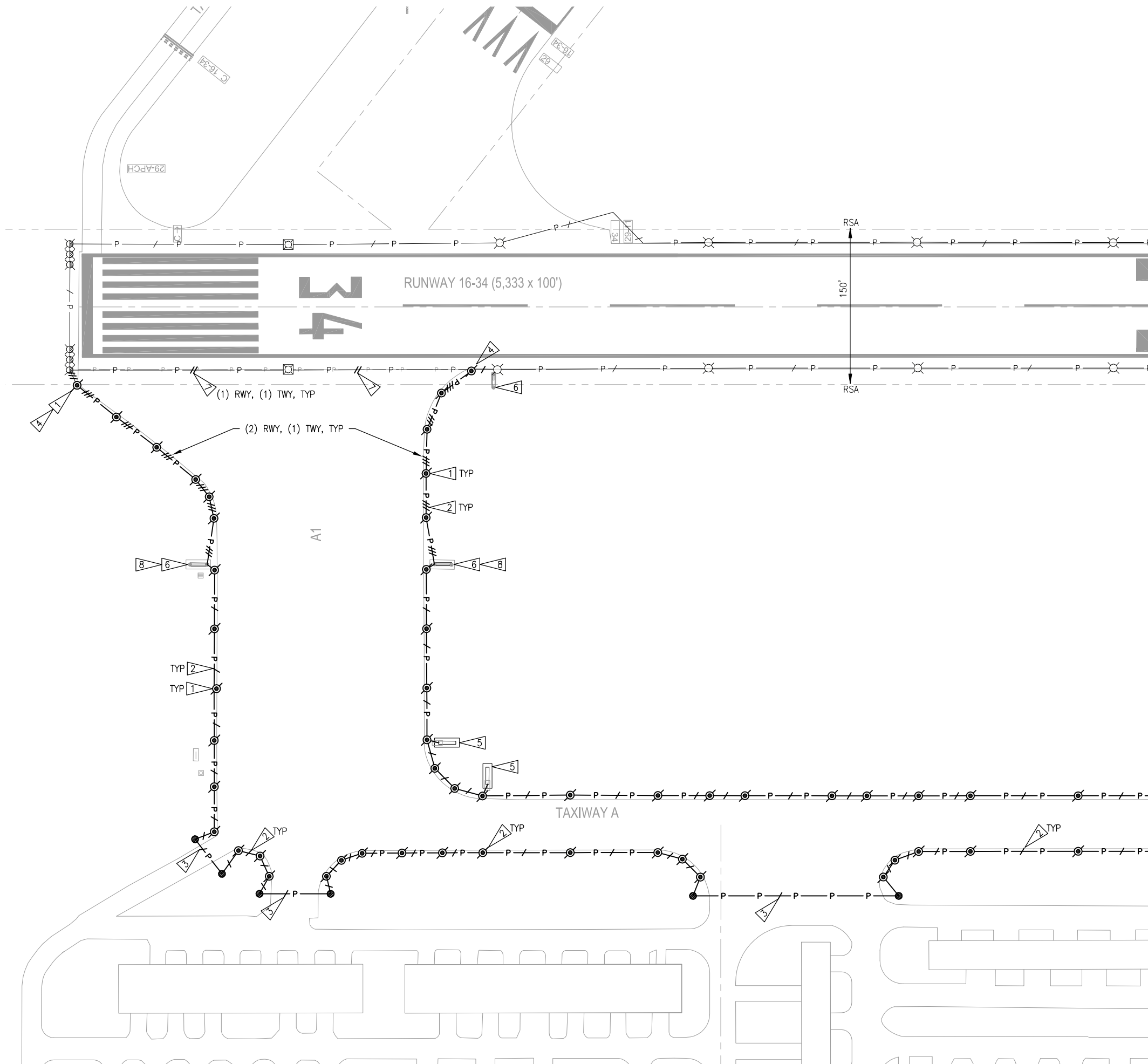
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TAXIWAY A DEMOLITION PLAN (5 OF 5)
 CITY OF ARLINGTON
TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E15
 SCALE AS NOTED

SHEET NUMBER
E1.5





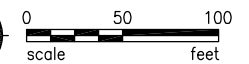
KEYED NOTES

- 1 PROVIDE L-861T(L) TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER AND L-867 BASECAN PER DWG E4.0 DETAILS 1 AND 7.
- 2 PROVIDE 2" PVC DIRECT BURIED CONDUIT PER DWG E4.0 DETAIL 3. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED.
- 3 PROVIDE 2" CONDUIT CROSSING OF PAVEMENT BY DIRECTIONAL DRILLING. PROVIDE DUCT MARKER ON EACH SIDE OF PAVEMENT PER DWG E4.0 DETAIL 8. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED. PROVIDE L-867 HANDHOLE AT EACH END OF PAVEMENT CROSSING CONDUIT PER DWG E4.0 DETAIL 1.
- 4 SPLICE NEW BASECAN CONDUIT TO EXISTING. REPLACE L-824C 5KV #6 CABLE IN EXISTING CONDUIT BACK TO NEAREST REMAINING LIGHT, SIGN OR HANDHOLE.
- 5 PROVIDE L-858(L) SIGN AND SIGN BASE PER DWG E4.1 DETAILS 1 AND 2. CONNECT TO ADJACENT TAXIWAY EDGE LIGHT AND POWER FROM TAXIWAY LIGHT CIRCUIT.
- 6 EXISTING SIGN:
 - BASE BID - MAINTAIN EXISTING SIGN. SPLICE EXISTING CONDUIT CONNECTION TO NEW AND CONNECT SIGN TO NEW CIRCUIT CABLE AS REQUIRED.
 - ALTERNATE BID - REMOVE EXISTING SIGN. PROVIDE NEW SIGN AND ISOLATION TRANSFORMER(S) ON EXISTING SIGN BASE PER DWG E4.1 DETAIL 2. SIGN SHALL REMAIN ON RUNWAY CIRCUIT.
- 7 PROVIDE L-824C 5KV #6 IN EXISTING CONDUIT, QUANTITY AS SHOWN.
- 8 PROVIDE 7-MODULE SIGN BASE IF REQUIRED.

MATCHLINE (SEE SHEET E2.2)



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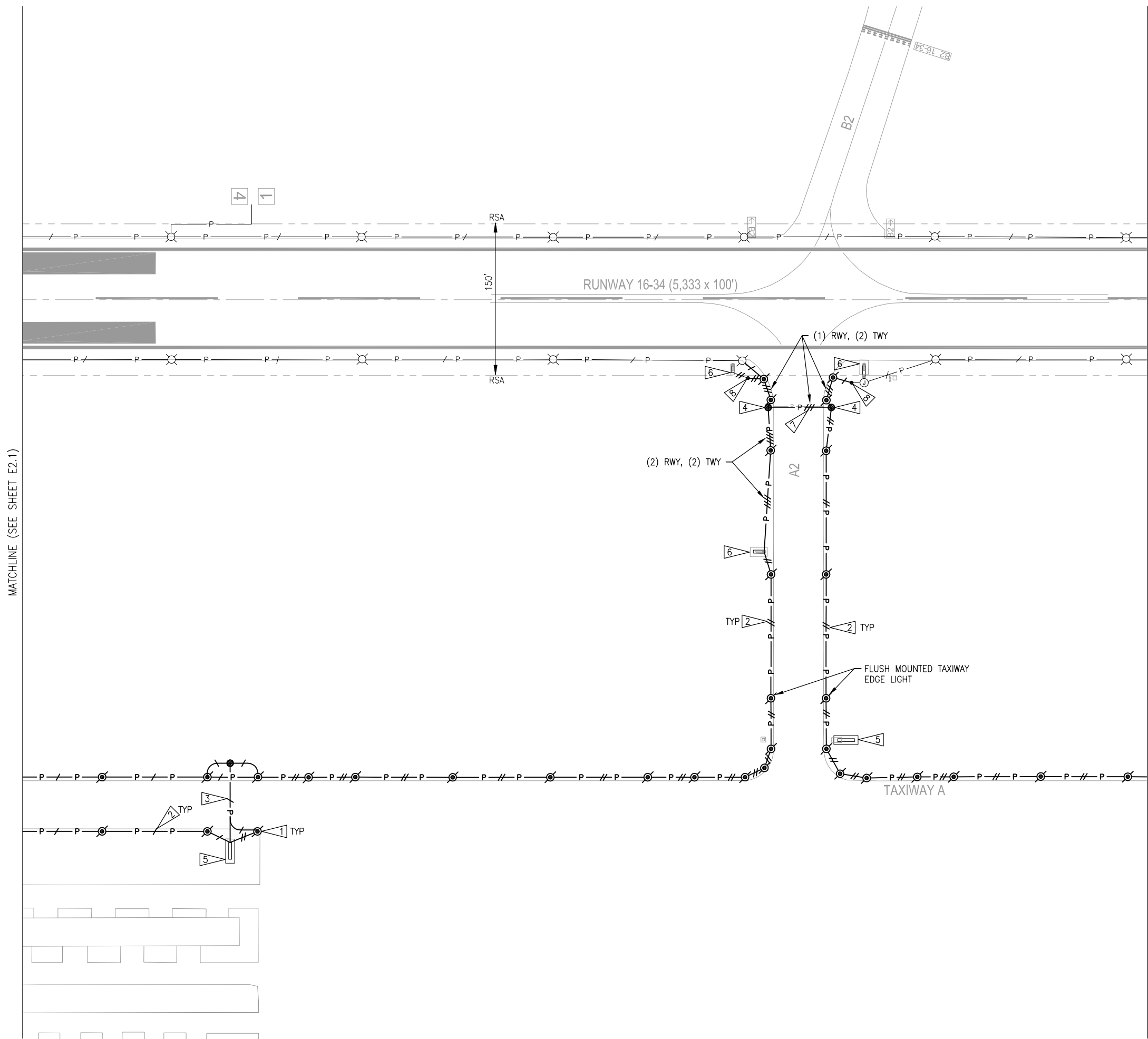
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TAXIWAY A CONSTRUCTION PLAN (1 OF 5)

CITY OF ARLINGTON
TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT

PROJECT NUMBER: 037386
 DRAWING FILE NAME: 037386E21
 SCALE: AS NOTED



KEYED NOTES

- 1 PROVIDE L-861T(L) TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER AND L-867 BASECAN PER DWG E4.0 DETAILS 1 AND 7.
- 2 PROVIDE 2" PVC DIRECT BURIED CONDUIT PER DWG E4.0 DETAIL 3. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED.
- 3 PROVIDE 2" CONDUIT CROSSING OF PAVEMENT BY DIRECTIONAL DRILLING. PROVIDE DUCT MARKER ON EACH SIDE OF PAVEMENT PER DWG E4.0 DETAIL 8. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED. PROVIDE L-867 HANDHOLE AT EACH END OF PAVEMENT CROSSING CONDUIT PER DWG E4.0 DETAIL 1.
- 4 PROVIDE BLANK LID FOR EXISTING BASECAN. SPLICE EXISTING CONNECTING CONDUITS TO NEW.
- 5 PROVIDE L-858(L) SIGN AND SIGN BASE PER DWG E4.1 DETAILS 1 AND 2. CONNECT TO ADJACENT TAXIWAY EDGE LIGHT AND POWER FROM TAXIWAY LIGHT CIRCUIT.
- 6 EXISTING SIGN:
 - BASE BID - MAINTAIN EXISTING SIGN. SPLICE EXISTING CONDUIT CONNECTION TO NEW AND CONNECT SIGN TO NEW CIRCUIT CABLE AS REQUIRED.
 - ALTERNATE BID - REMOVE EXISTING SIGN. PROVIDE NEW SIGN AND ISOLATION TRANSFORMER(S) ON EXISTING SIGN BASE PER DWG E4.1 DETAIL 2.
 - SIGN SHALL REMAIN ON RUNWAY CIRCUIT.
- 7 PROVIDE L-824C 5KV #6 IN EXISTING CONDUIT, QUANTITY AS SHOWN.
- 8 SPLICE NEW BASECAN CONDUIT TO EXISTING. REPLACE L-824C 5KV #6 CABLE IN EXISTING CONDUIT BACK TO NEAREST REMAINING LIGHT, SIGN OR HANDHOLE.

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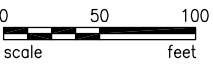
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LAST EDIT	DCR	DCR	DCR	8/28/2014	8/28/2014	8/28/2014
PLOT DATE	DCR	DCR	DCR	8/28/2014	8/28/2014	8/28/2014
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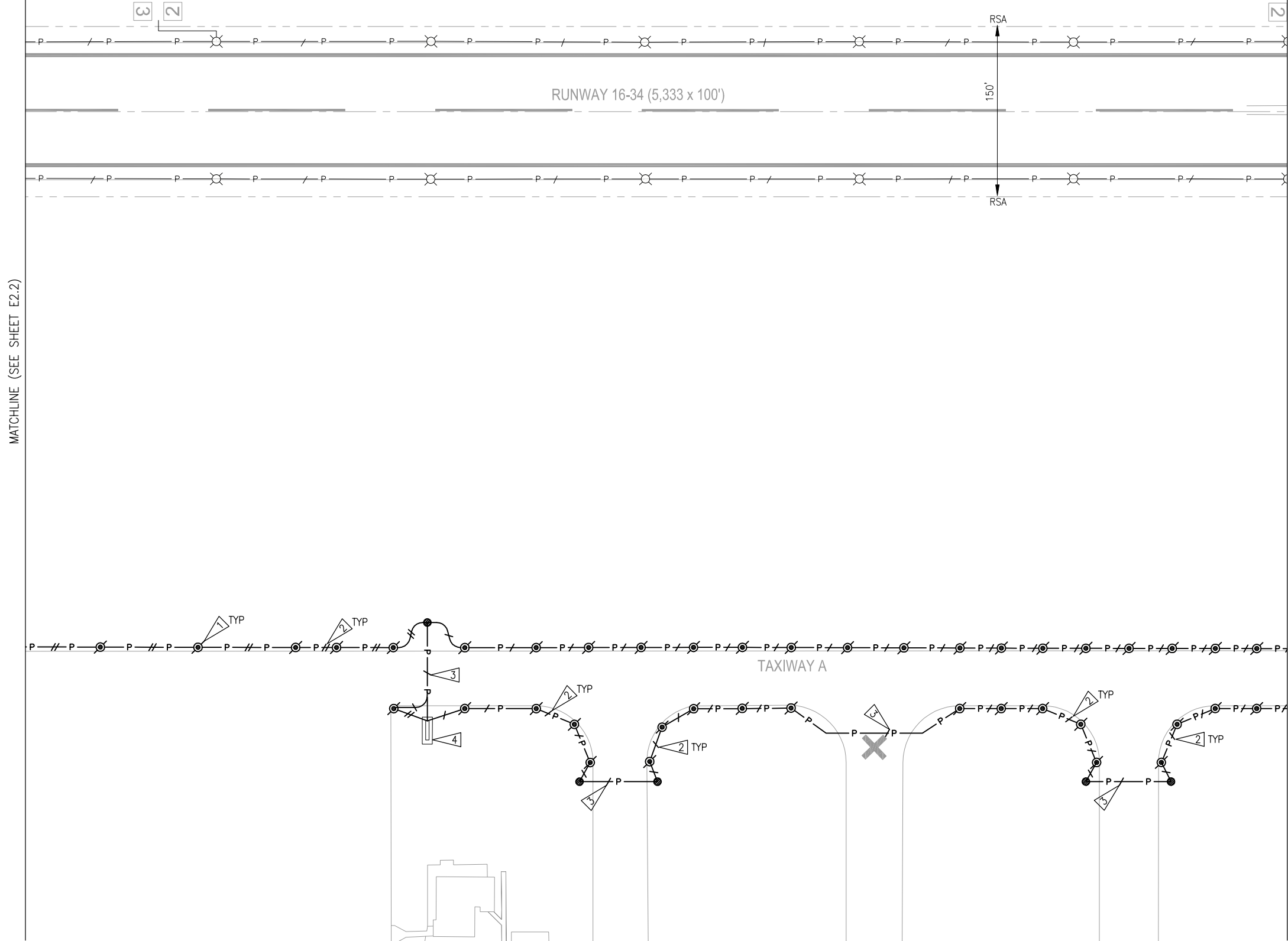
TAXIWAY A CONSTRUCTION PLAN (2 OF 5)
 CITY OF ARLINGTON
TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E22
 SCALE AS NOTED



Know what's below.
 Call before you dig.



SHEET NUMBER
E2.2



KEYED NOTES

- 1 PROVIDE L-861T(L) TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER AND L-867 BASECAN PER DWG E4.0 DETAILS 1 AND 7.
- 2 PROVIDE 2" PVC DIRECT BURIED CONDUIT PER DWG E4.0 DETAIL 3. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED.
- 3 PROVIDE 2" CONDUIT CROSSING OF PAVEMENT BY DIRECTIONAL DRILLING. PROVIDE DUCT MARKER ON EACH SIDE OF PAVEMENT PER DWG E4.0 DETAIL 8. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED. PROVIDE L-867 HANDHOLE AT EACH END OF PAVEMENT CROSSING CONDUIT PER DWG E4.0 DETAIL 1, UNLESS SHOWN OTHERWISE.
- 4 PROVIDE L-858(L) SIGN AND SIGN BASE PER DWG E4.1 DETAILS 1 AND 2. CONNECT TO ADJACENT TAXIWAY EDGE LIGHT AND POWER FROM TAXIWAY LIGHT CIRCUIT.

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**RECORD
DRAWING**

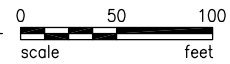
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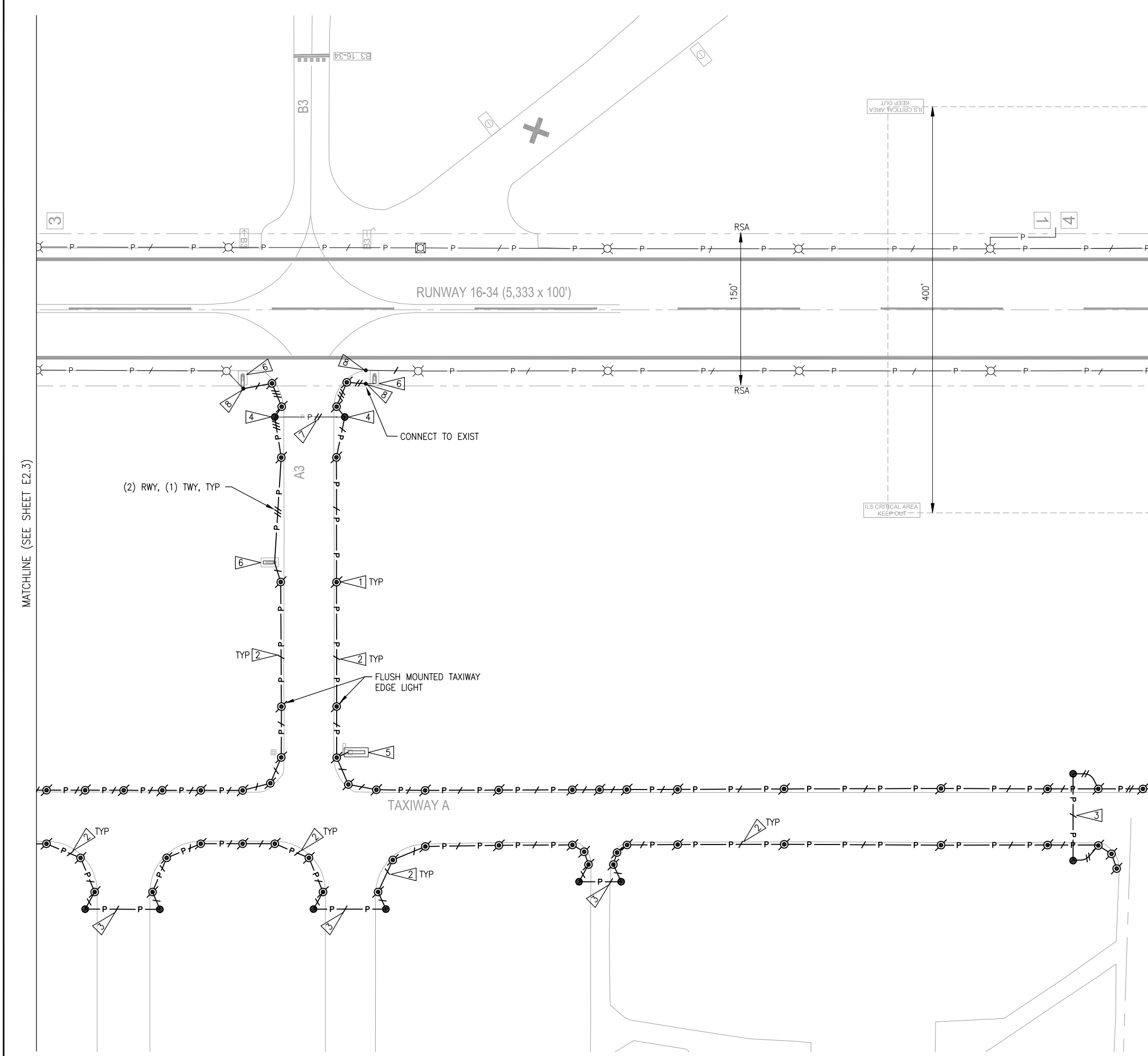
TAXIWAY A CONSTRUCTION PLAN (3 OF 5)
 CITY OF ARLINGTON
 TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E23
 SCALE AS NOTED



Know what's below.
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SHEET NUMBER
E2.3



KEYED NOTES

- 1 PROVIDE L-861T(L) TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER AND L-867 BASECAN PER DWG E4.0 DETAILS 1 AND 7.
- 2 PROVIDE 2" PVC DIRECT BURIED CONDUIT PER DWG E4.0 DETAIL 3. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED.
- 3 PROVIDE 2" CONDUIT CROSSING OF PAVEMENT BY DIRECTIONAL DRILLING. PROVIDE DUCT MARKER ON EACH SIDE OF PAVEMENT PER DWG E4.0 DETAIL 8. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED. PROVIDE L-867 HANDHOLE AT EACH END OF PAVEMENT CROSSING CONDUIT PER DWG E4.0 DETAIL 1.
- 4 PROVIDE BLANK LID FOR EXISTING BASECAN. SPLICE EXISTING CONNECTING CONDUITS TO NEW.
- 5 PROVIDE L-858(L) SIGN AND SIGN BASE PER DWG E4.1 DETAILS 1 AND 2. CONNECT TO ADJACENT TAXIWAY EDGE LIGHT AND POWER FROM TAXIWAY LIGHT CIRCUIT.
- 6 EXISTING SIGN:
 - BASE BID - MAINTAIN EXISTING SIGN. SPLICE EXISTING CONDUIT CONNECTION TO NEW AND CONNECT SIGN TO NEW CIRCUIT CABLE AS REQUIRED.
 - ALTERNATE BID - REMOVE EXISTING SIGN. PROVIDE NEW SIGN AND ISOLATION TRANSFORMER(S) ON EXISTING SIGN BASE PER DWG E4.1 DETAIL 2.
 - SIGN SHALL REMAIN ON RUNWAY CIRCUIT.
- 7 PROVIDE L-824C 5KV #6 IN EXISTING CONDUIT, QUANTITY AS SHOWN.
- 8 SPLICE NEW BASECAN CONDUIT TO EXISTING. REPLACE L-824C 5KV #6 CABLE IN EXISTING CONDUIT BACK TO NEAREST REMAINING LIGHT, SIGN OR HANDHOLE.

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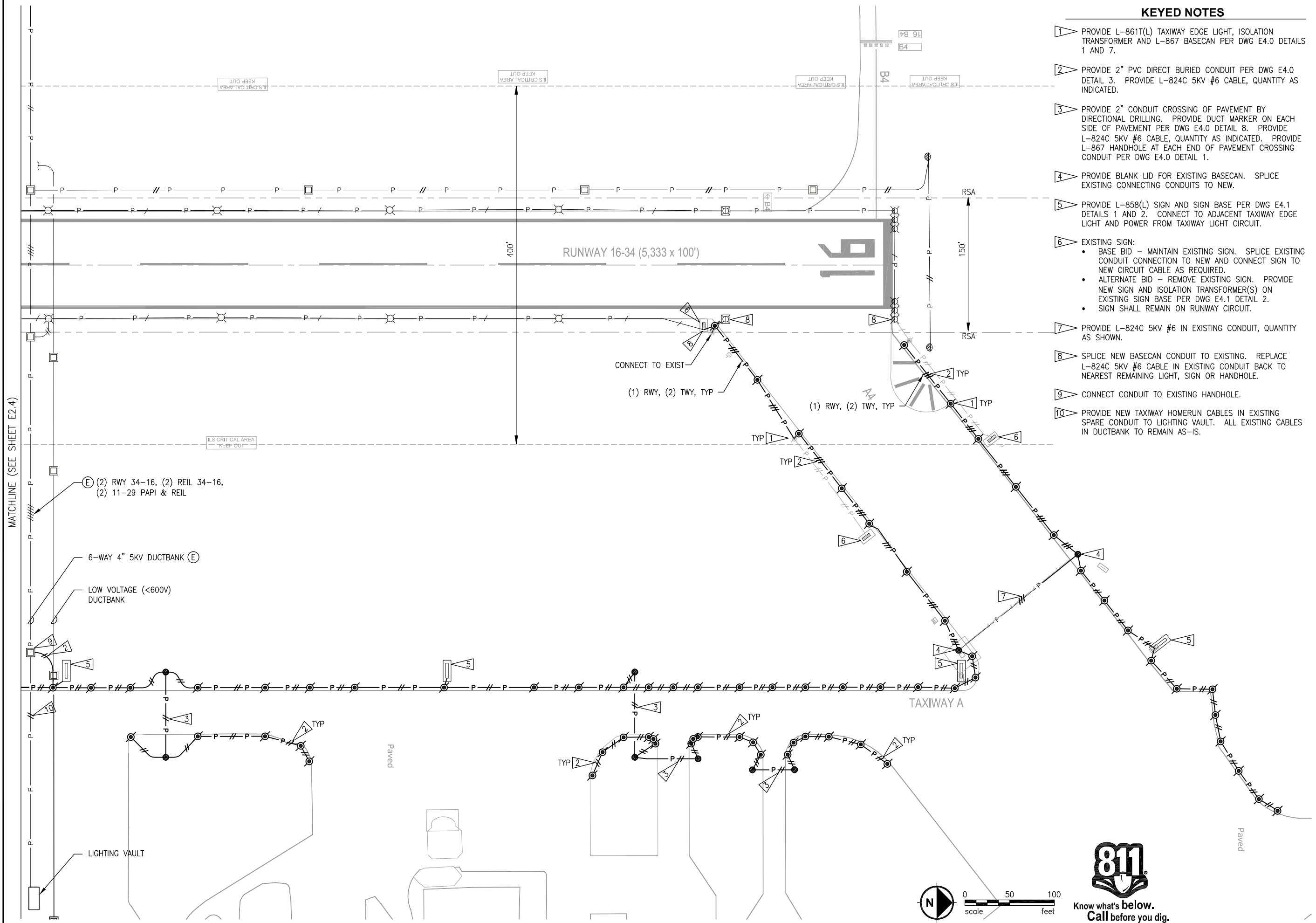
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SUBMITTAL	DCR	DCR	DCR	8/28/2014	8/28/2014

TAXIWAY A CONSTRUCTION PLAN (4 OF 5)
 CITY OF ARLINGTON
TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E24
 SCALE AS NOTED

SHEET NUMBER
E2.4



KEYED NOTES

- 1 PROVIDE L-861T(L) TAXIWAY EDGE LIGHT, ISOLATION TRANSFORMER AND L-867 BASECAN PER DWG E4.0 DETAILS 1 AND 7.
- 2 PROVIDE 2" PVC DIRECT BURIED CONDUIT PER DWG E4.0 DETAIL 3. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED.
- 3 PROVIDE 2" CONDUIT CROSSING OF PAVEMENT BY DIRECTIONAL DRILLING. PROVIDE DUCT MARKER ON EACH SIDE OF PAVEMENT PER DWG E4.0 DETAIL 8. PROVIDE L-824C 5KV #6 CABLE, QUANTITY AS INDICATED. PROVIDE L-867 HANDHOLE AT EACH END OF PAVEMENT CROSSING CONDUIT PER DWG E4.0 DETAIL 1.
- 4 PROVIDE BLANK LID FOR EXISTING BASECAN. SPLICE EXISTING CONNECTING CONDUITS TO NEW.
- 5 PROVIDE L-858(L) SIGN AND SIGN BASE PER DWG E4.1 DETAILS 1 AND 2. CONNECT TO ADJACENT TAXIWAY EDGE LIGHT AND POWER FROM TAXIWAY LIGHT CIRCUIT.
- 6 EXISTING SIGN:
 - BASE BID - MAINTAIN EXISTING SIGN. SPLICE EXISTING CONDUIT CONNECTION TO NEW AND CONNECT SIGN TO NEW CIRCUIT CABLE AS REQUIRED.
 - ALTERNATE BID - REMOVE EXISTING SIGN. PROVIDE NEW SIGN AND ISOLATION TRANSFORMER(S) ON EXISTING SIGN BASE PER DWG E4.1 DETAIL 2.
 - SIGN SHALL REMAIN ON RUNWAY CIRCUIT.
- 7 PROVIDE L-824C 5KV #6 IN EXISTING CONDUIT, QUANTITY AS SHOWN.
- 8 SPLICE NEW BASECAN CONDUIT TO EXISTING. REPLACE L-824C 5KV #6 CABLE IN EXISTING CONDUIT BACK TO NEAREST REMAINING LIGHT, SIGN OR HANDHOLE.
- 9 CONNECT CONDUIT TO EXISTING HANDHOLE.
- 10 PROVIDE NEW TAXIWAY HOMERUN CABLES IN EXISTING SPARE CONDUIT TO LIGHTING VAULT. ALL EXISTING CABLES IN DUCTBANK TO REMAIN AS-IS.

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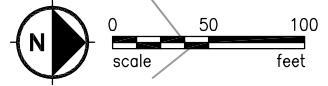
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REVISIONS	
NO.	REMARKS

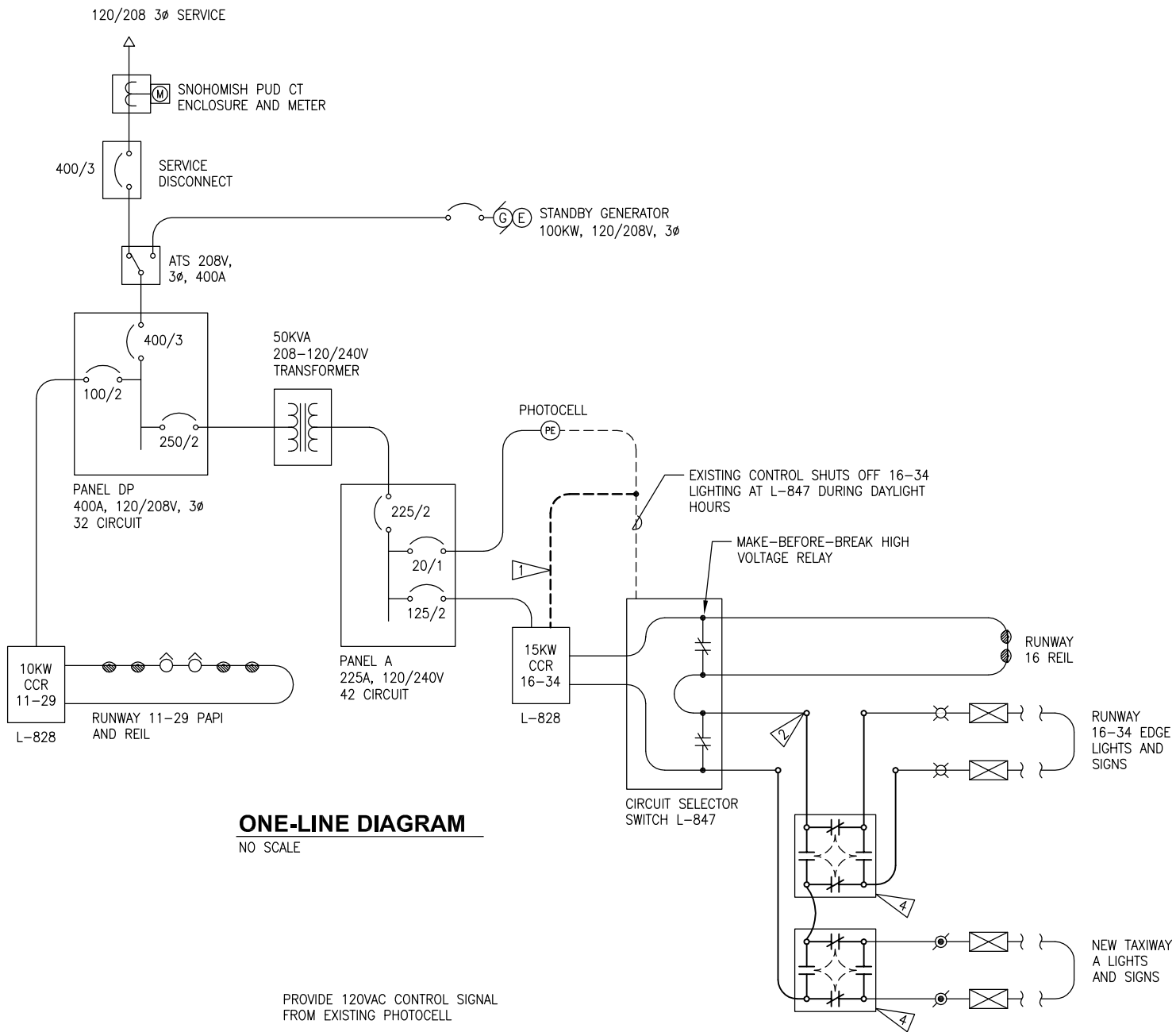
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TAXIWAY A CONSTRUCTION PLAN (5 OF 5)
 CITY OF ARLINGTON
TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E25
 SCALE AS NOTED

SHEET NUMBER
E2.5

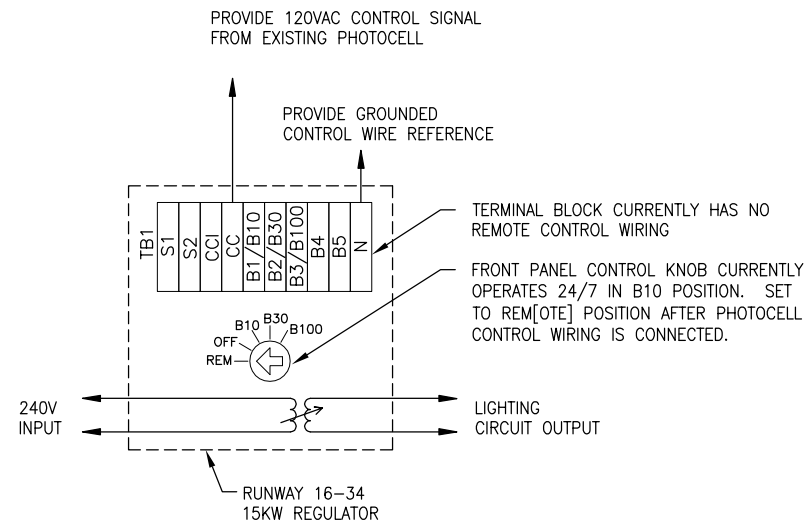


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ONE-LINE DIAGRAM

NO SCALE



CONTROL DIAGRAM

NO SCALE

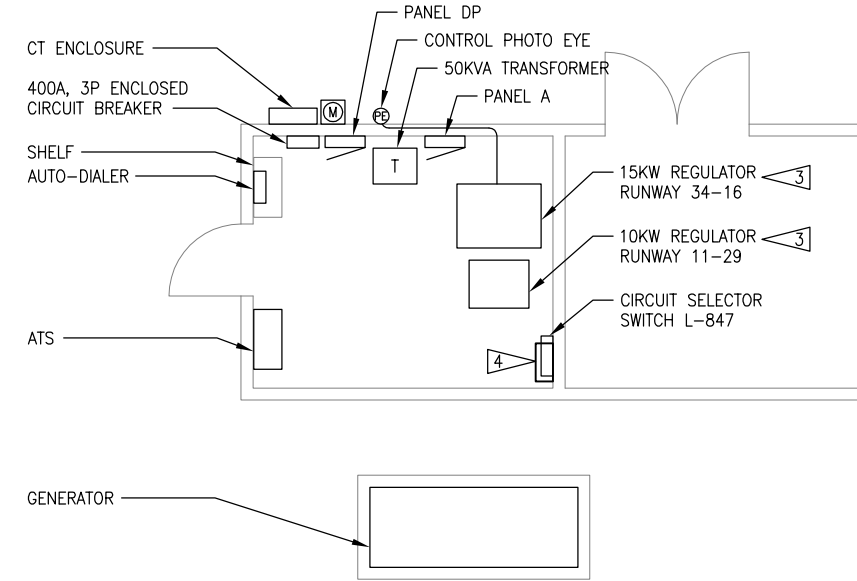
RUNWAY 16-34 LOAD CALCULATION kVA		
EXISTING 15kW CCR CAPACITY		16.6
EXISTING LOAD		8.2
BASE BID		
DEMOLITION	QTY	VA
TWY EDGE LIGHTS	58	53 -3.1
CONSTRUCTION		
TWY EDGE LIGHTS	253	15 3.8
SIGN, 2 PANEL	6	86 0.5
SIGN, 3 PANEL	4	120 0.5
TOTAL LOAD		9.9
SPARE CAPACITY		6.7
ALTERNATE BID		
DEMOLITION		
SIGN, 2 PANEL	6	155 -0.9
SIGN, 3 PANEL	4	202 -0.8
SIGN, 6 PANEL	2	404 -0.8
CONSTRUCTION		
SIGN, 2 PANEL	6	86 0.5
SIGN, 3 PANEL	4	120 0.5
SIGN, 7 PANEL	2	258 0.5
TOTAL LOAD		8.9
SPARE CAPACITY		7.7

GENERAL NOTES

1. ALL EQUIPMENT SHOWN IS EXISTING TO REMAIN AS-IS, UNLESS NOTED OTHERWISE.

KEYED NOTES

1. MODIFY EXISTING PHOTOCELL CONTROL TO TURN OFF 16-34 CCR DURING DAYLIGHT HOURS.
2. EXISTING LIGHTS AND SIGN LOOP TO BE MODIFIED AS SHOWN ON PLANS.
3. PROVIDE MISSING FLOOR ANCHORS, 3"x3/8" EXPANSION ANCHORS AND MATCHING LAG BOLTS. FOUR FOR 15KW. TWO FOR 10KW.
4. PROVIDE SERIES CUT-OUT (SCO) CABINET TO ALLOW RUNWAY AND TAXIWAY LOOPS TO BE OPERATED CONCURRENTLY OR INDEPENDENTLY. SEE DWG E4.1 DETAIL 4. INSTALL BELOW EXISTING L-847.



LIGHTING VAULT PLAN

NO SCALE



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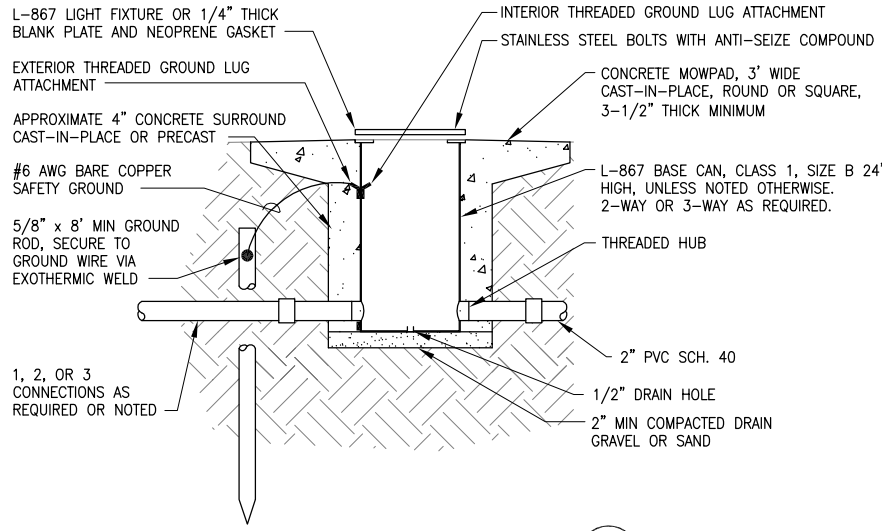
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DESIGNED	DCR				
DRAWN	CMS				
CHECKED	HAS				
APPROVED	DCR				
LAST EDIT	8/28/2014				
PLOT DATE	8/28/2014				
SUBMITTAL					

LIGHTING VAULT PLAN AND DIAGRAMS
 CITY OF ARLINGTON
 TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E30
 SCALE AS NOTED

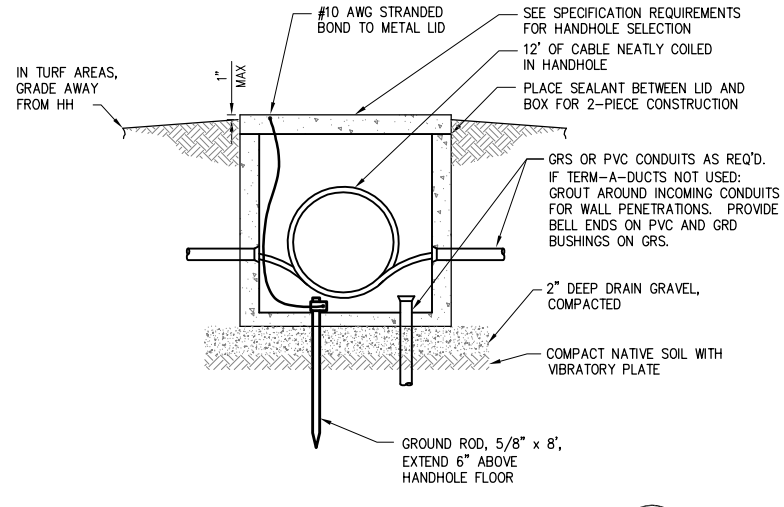
SHEET NUMBER

E3.0

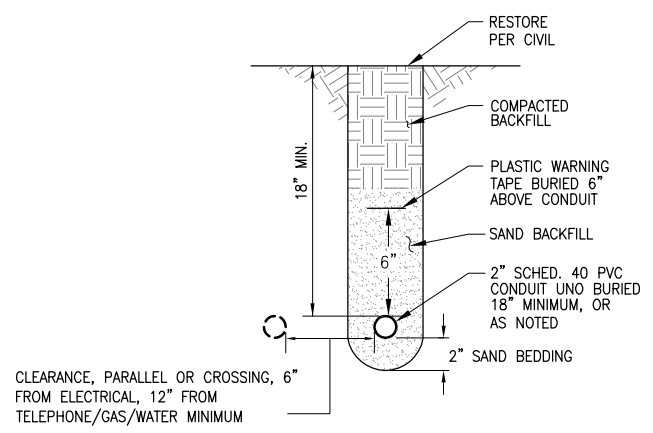




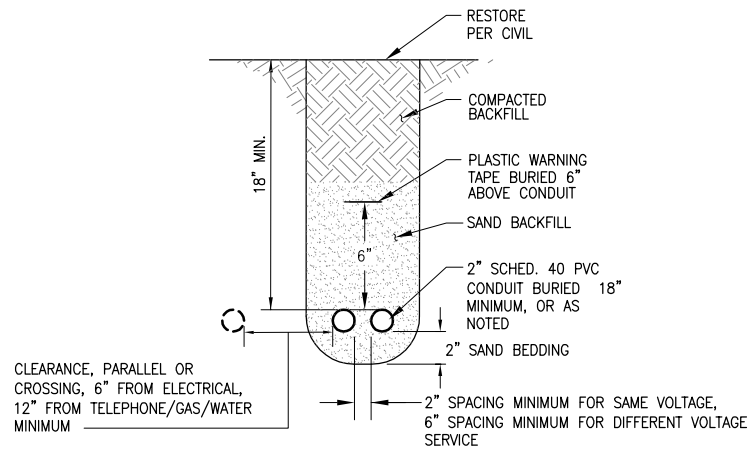
TYPICAL L-867 BASE CAN DETAIL 1
SCALE: NTS E4.0



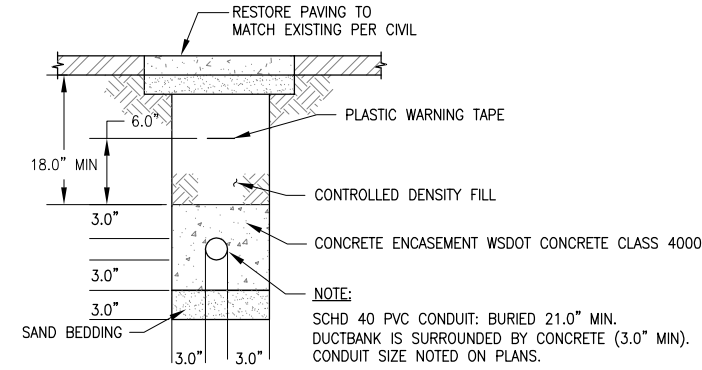
TYPICAL HANDHOLE DETAIL 2
SCALE: NTS E4.0



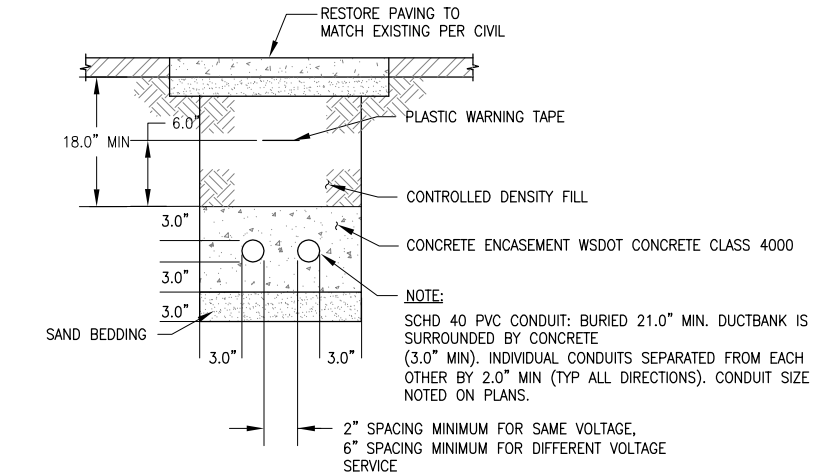
TYPICAL SINGLE BURIED CONDUIT DETAIL 3
SCALE: NTS E4.0



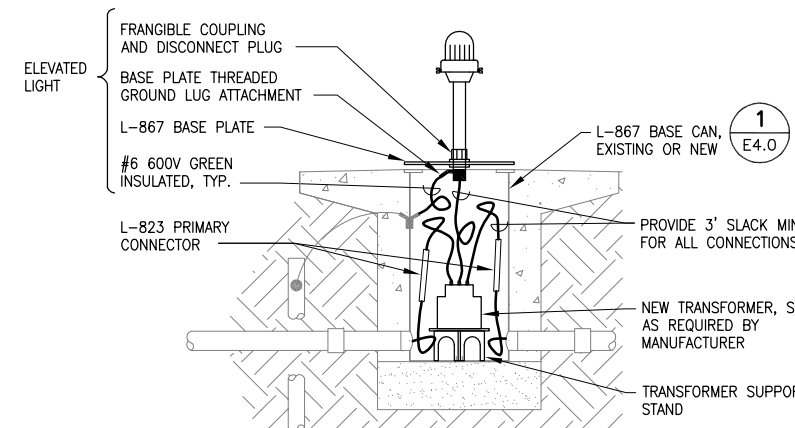
TYPICAL MULTIPLE BURIED CONDUIT DETAIL 4
SCALE: NTS E4.0



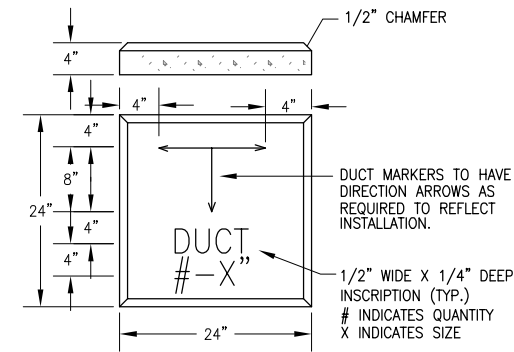
TYPICAL SINGLE CONCRETE ENCASED DUCTBANK DETAIL 5
SCALE: NTS E4.0



TYPICAL MULTIPLE CONCRETE ENCASED DUCTBANK DETAIL 6
SCALE: NTS E4.0



TYPICAL EDGE LIGHT DETAIL 7
SCALE: NTS E4.0



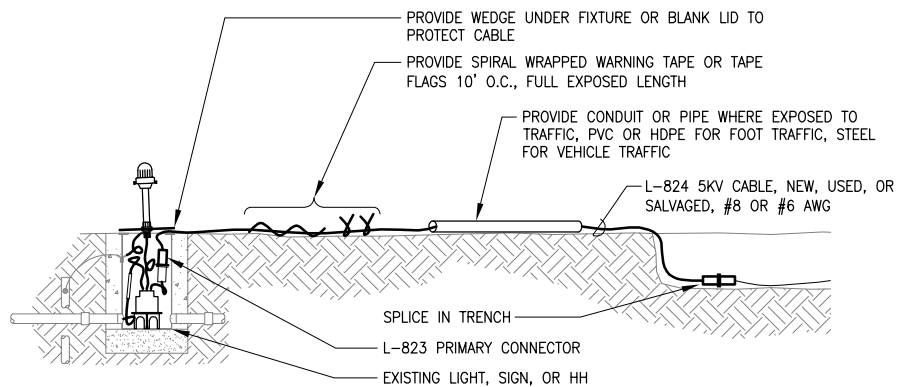
TYPICAL DUCT MARKER DETAIL 8
SCALE: NTS E4.0

REVISIONS		NO.	BY	DATE	REMARKS

SHEET INFO		DESIGNED	DCR	DRAWN	CMS	CHECKED	HAS	APPROVED	DCR	LAST EDIT	8/28/2014	PLOT DATE	8/28/2014	SUBMITTAL

ELECTRICAL SYSTEM DETAILS	CITY OF ARLINGTON TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT	PROJECT NUMBER	037386
		DRAWING FILE NAME	037386E40
SCALE		AS NOTED	



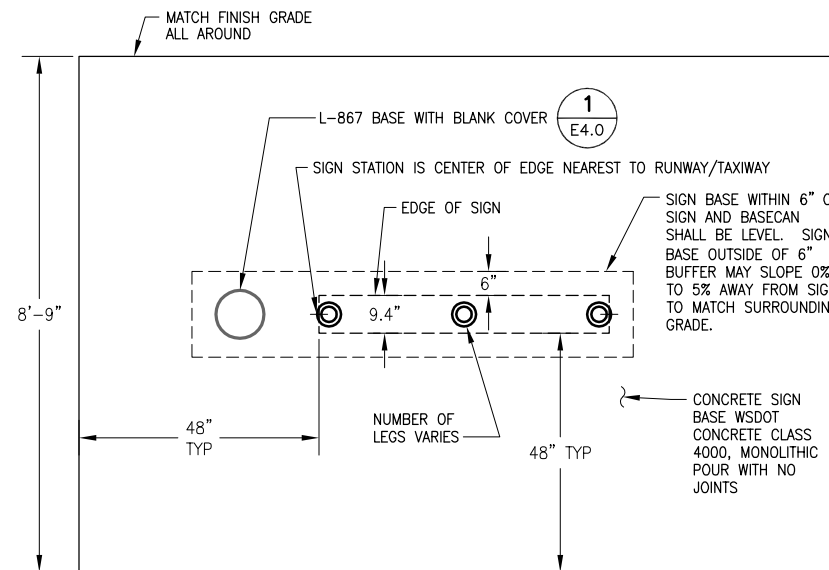


TEMPORARY AIRFIELD CABLE DETAIL

SCALE: NTS

3

E4.1



NOTES:

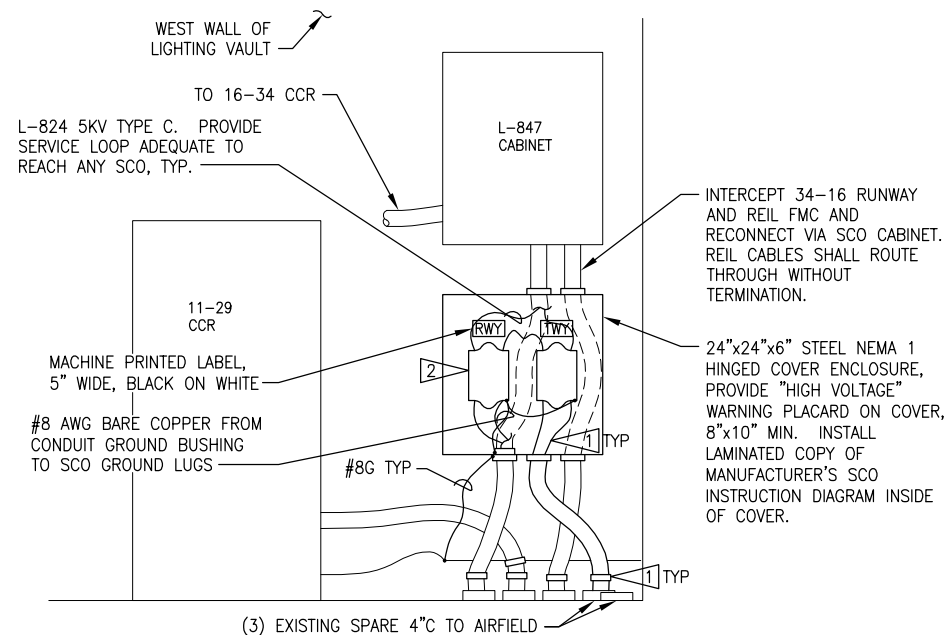
1. SEE DETAIL 2 THIS SHEET FOR TYPICAL SECTION THRU CONCRETE BASE.

NEW LIGHTED SIGN BASE DETAIL

SCALE: NTS

1

E4.1

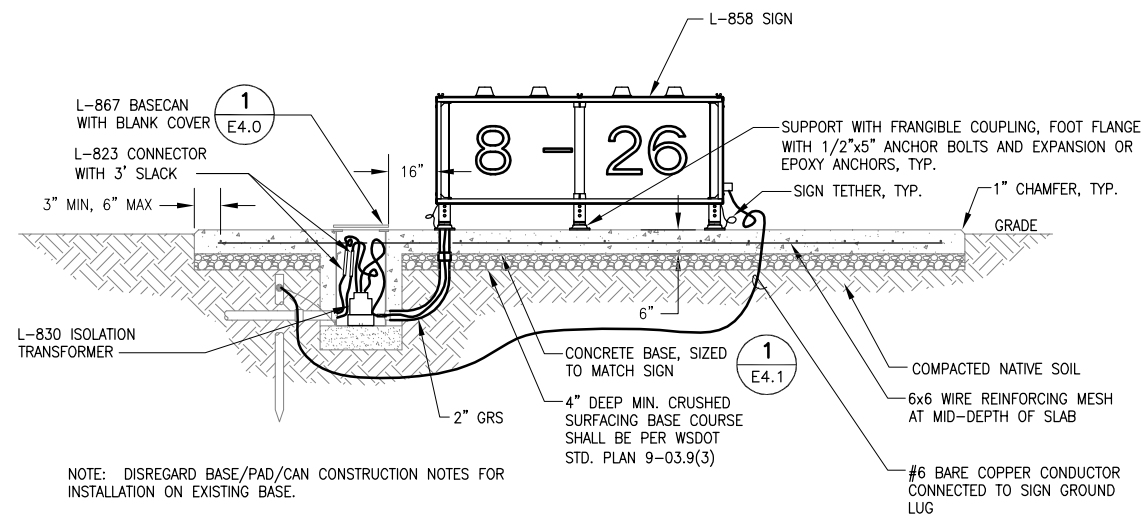


SCO CABINET DETAIL

SCALE: NTS

4

E4.1



NOTE: DISREGARD BASE/PAD/CAN CONSTRUCTION NOTES FOR INSTALLATION ON EXISTING BASE.

TYPICAL LIGHTED SIGN ON NEW OR EXISTING BASE DETAIL

SCALE: NTS

2

E4.1

KEYED NOTES

- 1 PROVIDE COLORED TAPE BAND IDENTIFICATION FOR CIRCUITS: WHITE-RUNWAY; BLUE-TAXIWAY; YELLOW-REIL; RED-PAPI.
- 2 PROVIDE TWO SERIES CUT OUT SWITCHES. PROVIDE LAMINATED DIAGRAM ATTACHED TO INSIDE OF CABINET COVER SHOWING SWITCH POSITIONS (USING PHYSICAL IDENTIFYING FEATURES OF SWITCH HANDLE/COVER) FOR OPERATION OF RUNWAY ONLY, TAXIWAY ONLY, AND RUNWAY AND TAXIWAY CONCURRENTLY. SEE E3.0 FOR ONE-LINE DIAGRAM.

AIRFIELD SIGN LENGTH SCHEDULE					
MODULE	SIZE 1 SIGN LENGTH	SIZE 2 SIGN LENGTH	SIZE 3 SIGN LENGTH	SIZE 4 SIGN LENGTH	SIZE 5 SIGN LENGTH
1	29"	36"	42"	48"	42"
2	59"	72"	85"	N/A	N/A
3	88"	107"	127"	N/A	N/A
4	117"	143"	169"	N/A	N/A

SIZES NOTED ARE TYPICAL. VERIFY FOR VENDOR SELECTED. SIGNS LONGER THAN 4 MODULE ARE MADE FROM MULTIPLE SIGNS OF SHORTER LENGTHS BUTTED TOGETHER.



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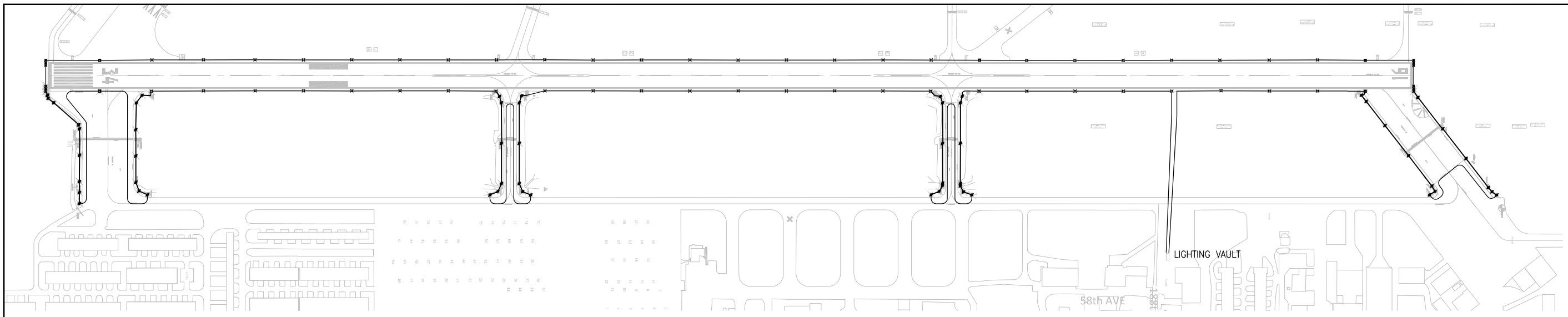
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ELECTRICAL SYSTEM DETAILS		SCALE	AS NOTED
CITY OF ARLINGTON TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT			
PROJECT NUMBER 037386	DRAWING FILE NAME 037386E41		

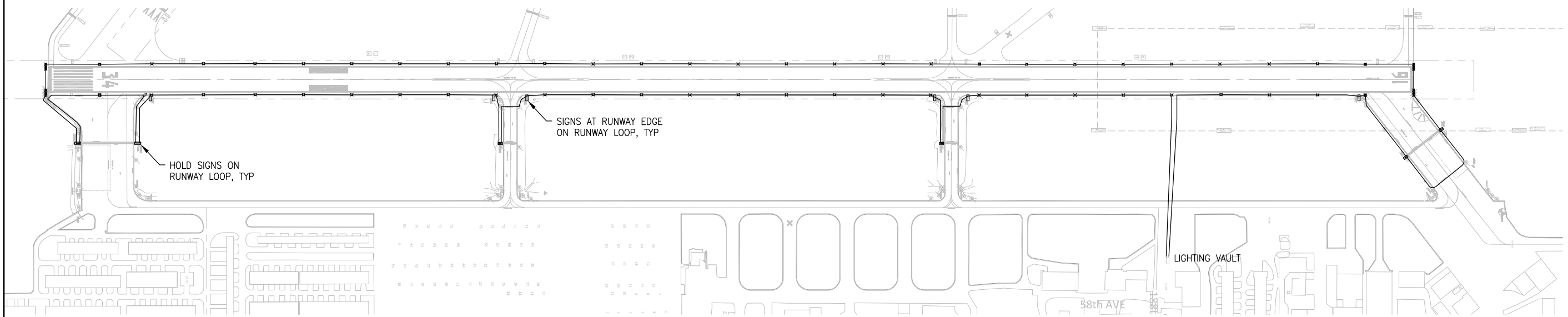
ELECTRICAL SYSTEM DETAILS		SCALE	AS NOTED
CITY OF ARLINGTON TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT			
PROJECT NUMBER 037386	DRAWING FILE NAME 037386E41		

SHEET NUMBER

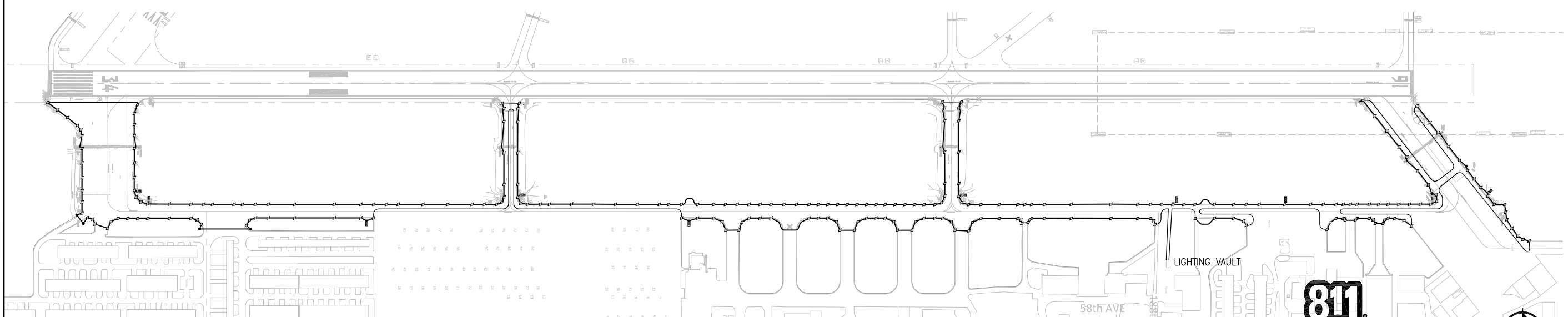
E4.1



EXISTING RUNWAY AND TAXIWAY LOOP DIAGRAM
NO SCALE



NEW RUNWAY LOOP DIAGRAM
NO SCALE



NEW TAXIWAY LOOP DIAGRAM
NO SCALE



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ELECTRICAL DIAGRAMS
CITY OF ARLINGTON
TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
PROJECT NUMBER 037386
DRAWING FILE NAME 037386E51
SCALE AS NOTED

SHEET NUMBER
E5.1

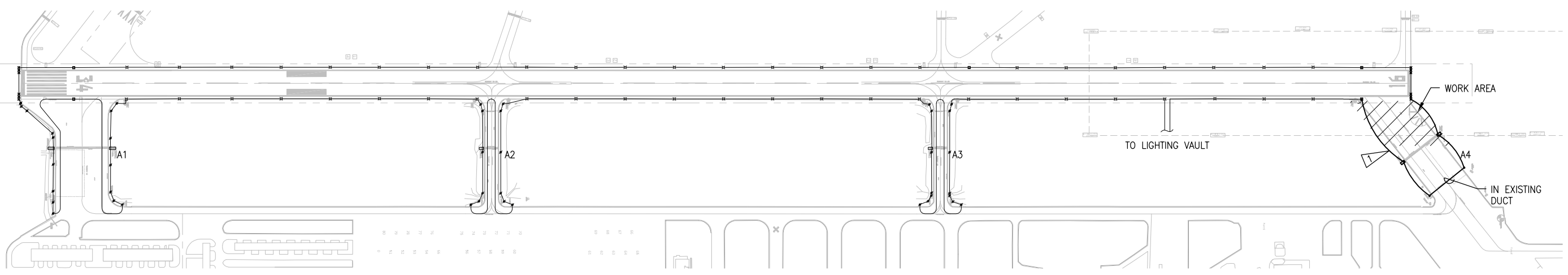
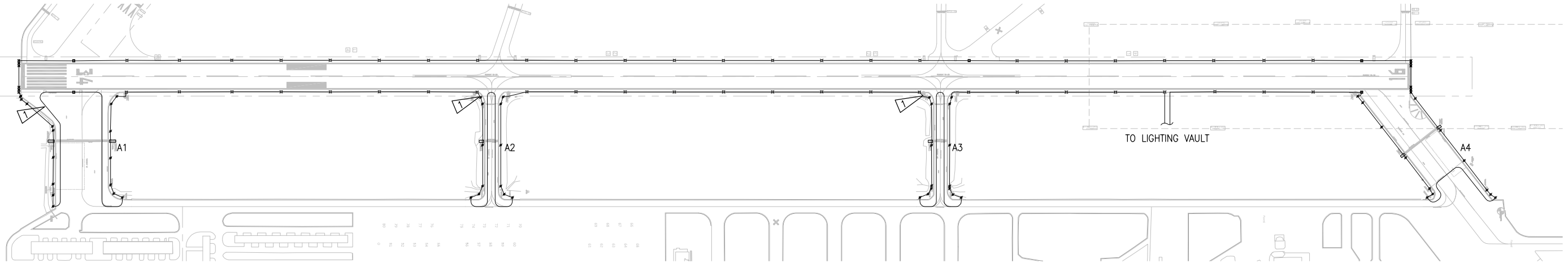
P:\City of Arlington\037403 Construction Record Drawings\Econ\037386e52 8--28--14 01:07pm rtemplado

GENERAL NOTES

1. SEE CIVIL FOR PHASING DETAILS.

KEYED NOTES

- △ PROVIDE TEMPORARY CABLE CONNECTIONS AS REQUIRED TO MAINTAIN CONFIGURATION SHOWN DURING WORK ON EACH TAXIWAY CONNECTOR. PROVIDE ALL CABLING THROUGH TAXIWAY CONNECTOR CONDUITS REQUIRED FOR FINAL CONFIGURATION. MAINTAIN HOLD SIGN ILLUMINATION ANYTIME TAXIWAY IS IN SERVICE, AND AS MANY TAXIWAY EDGE LIGHTS AS IS FEASIBLE.



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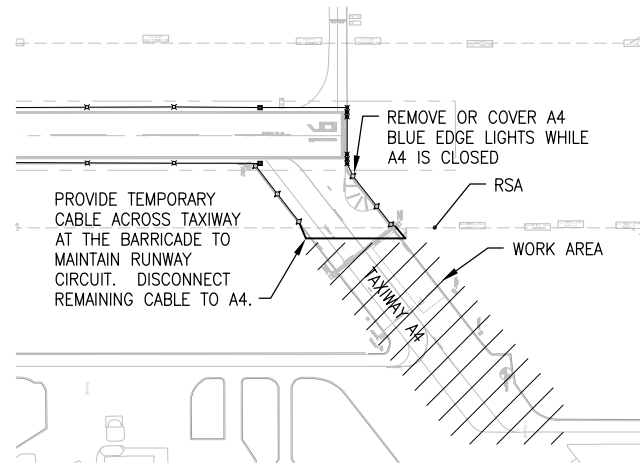
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SHEET INFO		DESIGNED	DCR	DRAWN	CMS	CHECKED	HAS	APPROVED	DCR	LAST EDIT	8/28/2014	PLOT DATE	8/28/2014	SUBMITTAL

ELECTRICAL PHASING PLANS
CITY OF ARLINGTON
TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
PROJECT NUMBER 037386
DRAWING FILE NAME 037386E52
SCALE AS NOTED

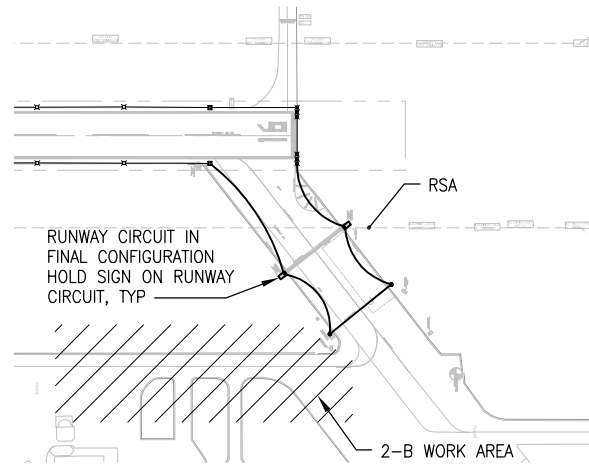
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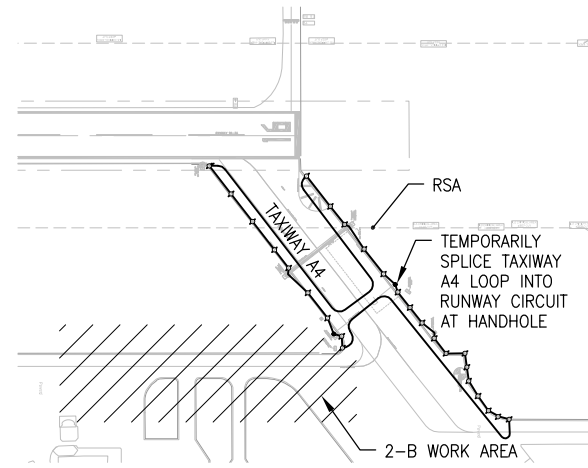
PHASE 2-A PLAN

NO SCALE



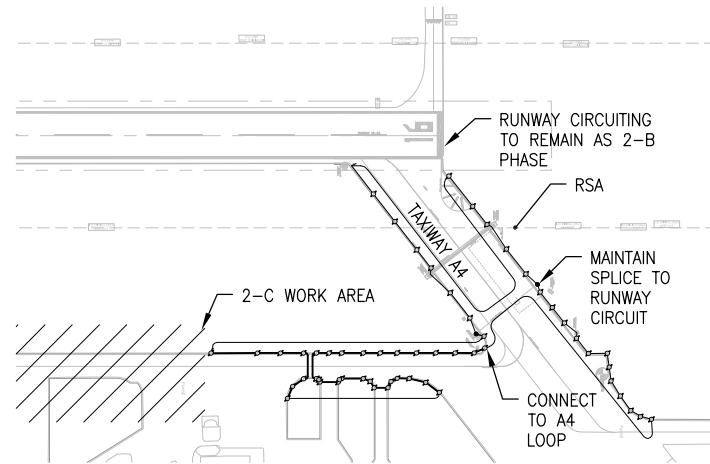
PHASE 2-B RUNWAY CIRCUITING PLAN

NO SCALE



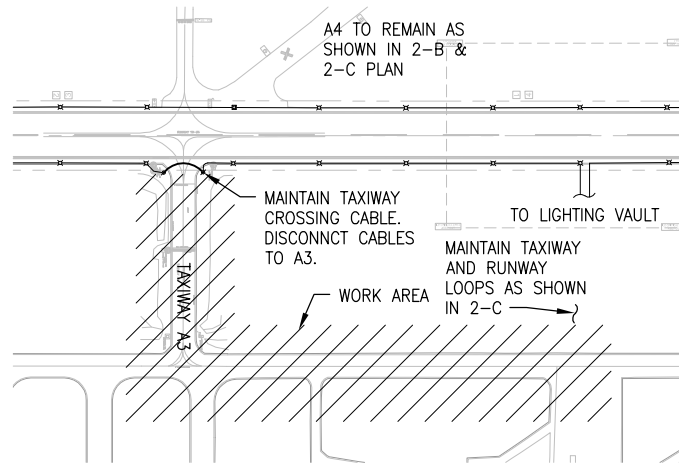
PHASE 2-B TAXIWAY CIRCUITING PLAN

NO SCALE



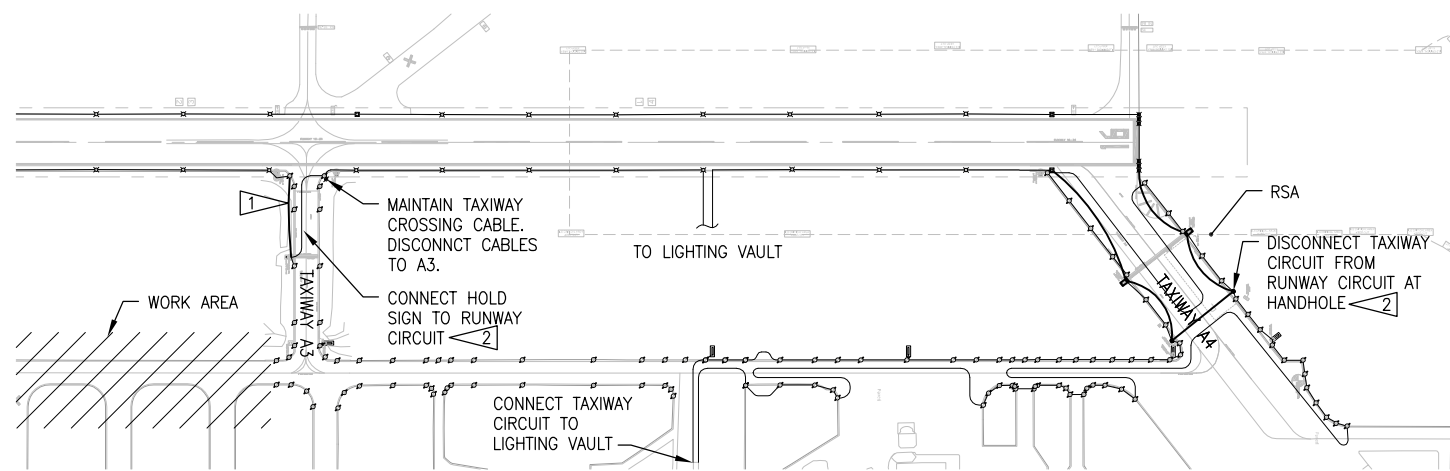
PHASE 2-C TAXIWAY CIRCUITING PLAN

NO SCALE



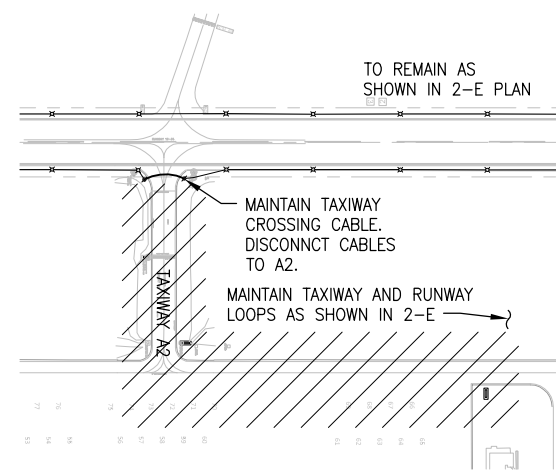
PHASE 2-D PLAN

NO SCALE



PHASE 2-E PLAN

NO SCALE



PHASE 2-F PLAN

NO SCALE

GENERAL NOTES

1. SEE CIVIL FOR PHASING DETAILS.
2. AT END OF PHASE 2-H ALL TEMPORARY CONNECTIONS SHALL BE REMOVED AND FINAL CONFIGURATION IMPLEMENTED PER DWG E5.1.

KEYED NOTES

- 1 JUMPER RUNWAY CIRCUIT TO NEW TAXIWAY CIRCUIT AS SHOWN TO RESTORE HOLD SIGN OPERATION AND ENABLE TAXIWAY SIGN/LIGHT OPERATION.
- 2 REMOVE TEMPORARY CABLING, CONNECT CABLES IN FINAL CONFIGURATION.

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REVISIONS		NO.	BY	DATE	REMARKS

SHEET INFO					
DESIGNED	DCR	CMS	HAS	DCR	8/28/2014
DRAWN	CMS	HAS	DCR	8/28/2014	8/28/2014
CHECKED	HAS	DCR	DCR	8/28/2014	8/28/2014
APPROVED	DCR	DCR	DCR	8/28/2014	8/28/2014
LAST EDIT	DCR	DCR	DCR	8/28/2014	8/28/2014
PLOT DATE	8/28/2014	8/28/2014	8/28/2014	8/28/2014	8/28/2014
SUBMITTAL					

ELECTRICAL PHASING PLANS
 CITY OF ARLINGTON
 TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
 PROJECT NUMBER 037386
 DRAWING FILE NAME 037386E53
 SCALE AS NOTED

SHEET NUMBER
E5.3



Know what's below.
 Call before you dig.



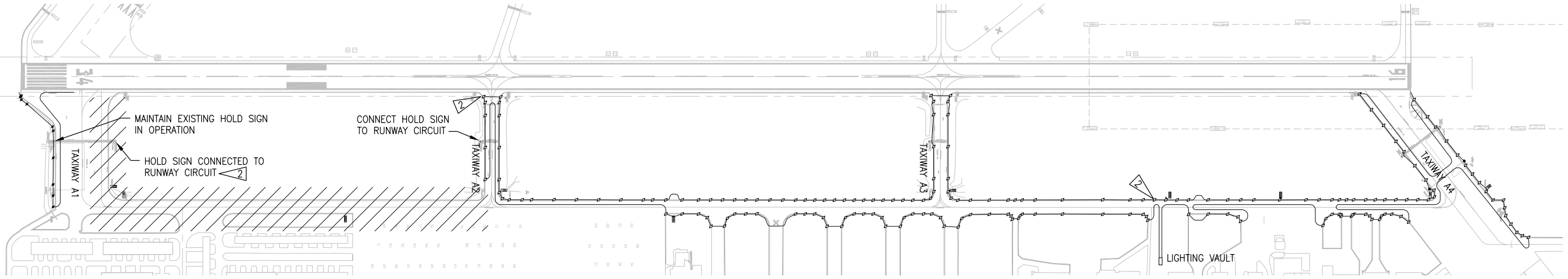
P:\City of Arlington\037403 Construction\Record Drawings\Econ\037386e54 8-28-14 01:08pm rtemplado

GENERAL NOTES

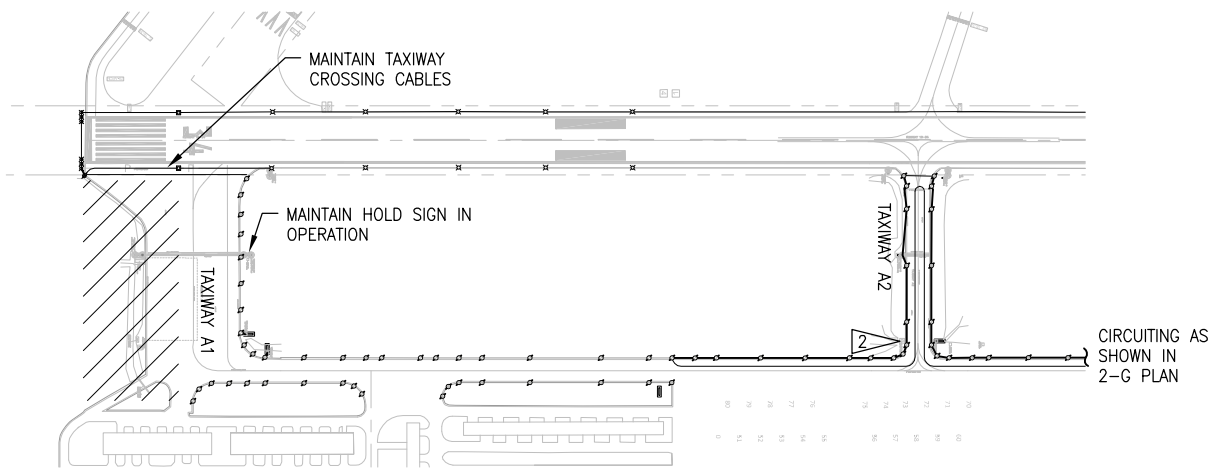
1. SEE CIVIL FOR PHASING DETAILS.
2. AT END OF PHASE 2-H ALL TEMPORARY CONNECTIONS SHALL BE REMOVED AND FINAL CONFIGURATION IMPLEMENTED PER DWG E5.1.

KEYED NOTES

1. JUMPER RUNWAY CIRCUIT TO NEW TAXIWAY CIRCUIT AS SHOWN TO RESTORE HOLD SIGN OPERATION AND ENABLE TAXIWAY SIGN/LIGHT OPERATION.
2. REMOVE TEMPORARY CABLING, CONNECT CABLES IN FINAL CONFIGURATION.



PHASE 2-G TAXIWAY CIRCUITING PLAN
NO SCALE



PHASE 2-H PLAN
NO SCALE

ELCON ASSOCIATES, INC
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FAX (206) 243-5205

RECORD
DRAWING

REVISIONS		NO.	BY	DATE	REMARKS

SHEET INFO		DESIGNED	DCR	CMS	HAS	DCR	APPROVED	DCR	LAST EDIT	8/28/2014	8/28/2014

ELECTRICAL PHASING PLANS
CITY OF ARLINGTON
TAXIWAY A LIGHTING & SIGNING IMPROVEMENTS PROJECT
PROJECT NUMBER 037386
DRAWING FILE NAME 037386E54
SCALE AS NOTED

SHEET NUMBER
E5.4



Know what's below.
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