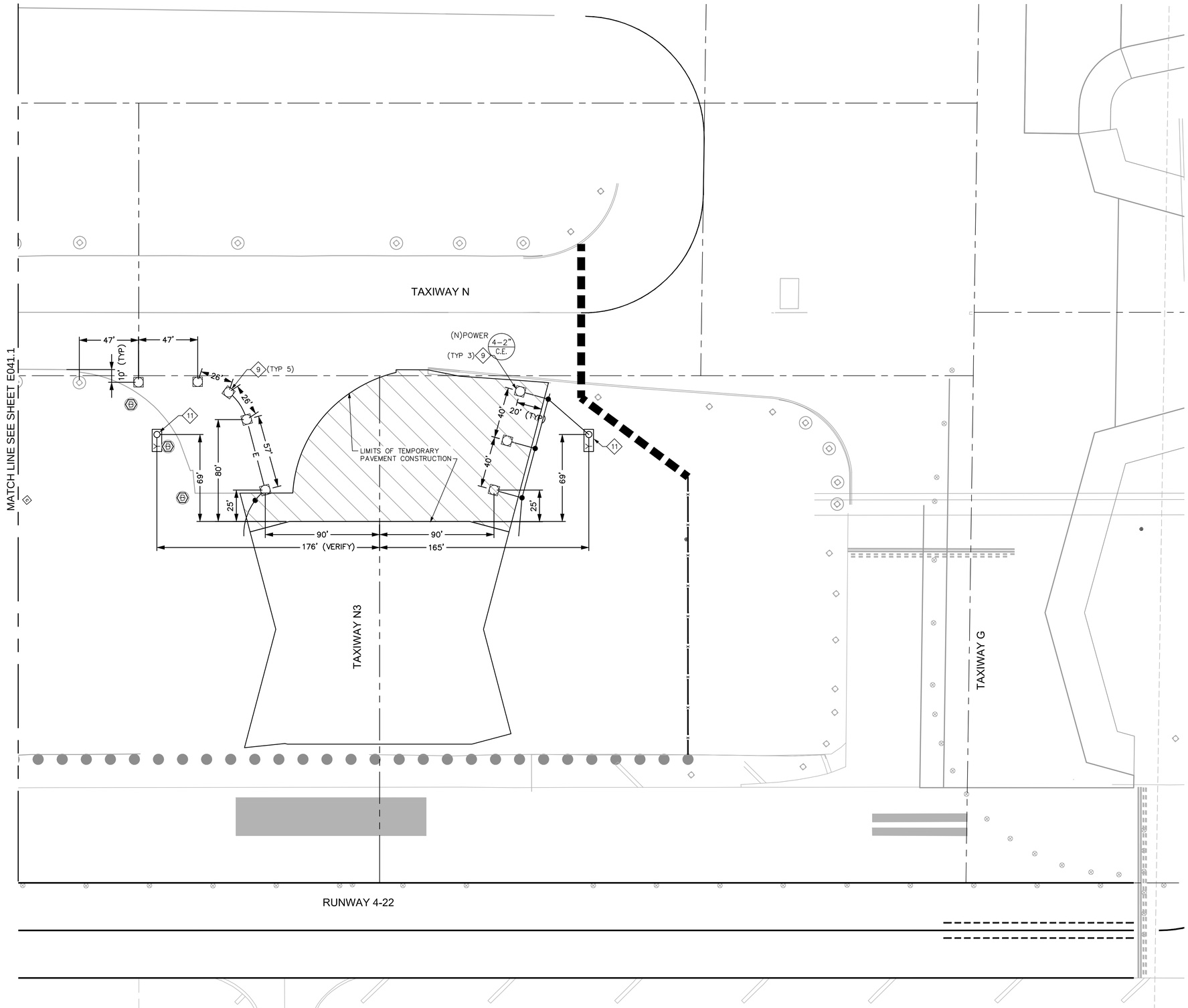


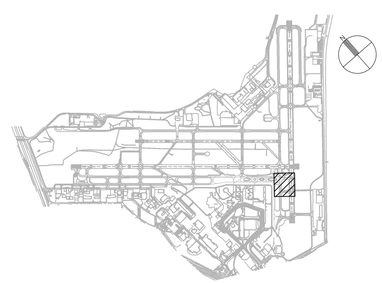
ELECTRICAL CONSTRUCTION PHASING NOTES

9 INSTALL TEMPORARY PAVEMENT MOUNTED TAXIWAY EDGE LIGHT. SEE DETAIL E3.11.

11 INSTALL TEMPORARY STAKE MOUNTED GUIDANCE SIGN & ISOLATION TRANSFORMER. SEE DETAILS E3.12.

GENERAL NOTES

1. SEE E045 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.



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SCALE IN FEET

CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
601 NW LOOP 410, SUITE 350
SAN ANTONIO, TEXAS 78216
PHONE: (210) 541-9166

TEXAS REGISTERED FIRM, NO. 928

TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

STATE OF TEXAS
ERIC C. LOVEJOY
84081
LICENSED
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION
1	06/08/15	NEW DRAWING
ISSUE:		----
PROJECT NO:		33-00178 and 33-00193
FILE NAME:		_33-00193-R1EE-404-C01
DRAWN BY:		CMP
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SHEET TITLE:

TEMPORARY FIXTURE LOCATION PLAN - ALTERNATE 1

E042.2

SHEET NO. 149 OF 172

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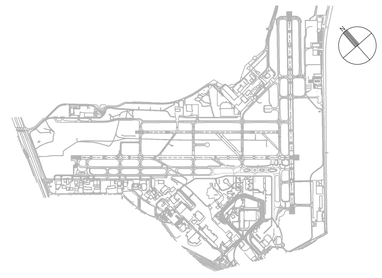
ELECTRICAL DEMOLITION NOTES

1. EXISTING LIGHT, PROTECT IN PLACE.
3. EXISTING HANDHOLE OR PULLBOX, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
5. EXISTING CONDUIT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
8. SALVAGE EXISTING TAXIWAY EDGE LIGHT FOR REINSTALLATION. SALVAGE EXISTING ISOLATION TRANSFORMER TO THE OWNER. SEE E1 SERIES DRAWINGS FOR REINSTALLATION OF EDGE LIGHT.
14. EXISTING BASECAN, PROTECT IN PLACE.
19. SALVAGE EXISTING SIGN AND ISOLATION TRANSFORMER TO OWNER. CUT ANCHOR BOLTS AND GRIND LEVEL WITH PAVEMENT.
22. REMOVE EXISTING DUCT TO LIMITS OF DEMOLITION OR AS NOTED. REMOVE EXISTING CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED. SEE CIRCUIT MAPS ON E4 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
24. REMOVE EXISTING ELEVATED LIGHT FIXTURE, BASECAN AND ISOLATION TRANSFORMER FROM SITE.
26. REMOVE EXISTING SIGN, FOUNDATION AND ISOLATION TRANSFORMER FROM SITE.
29. REMOVE EXISTING CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED. ABANDON CONDUIT IN PLACE.
30. REMOVE EXISTING CONDUIT. REMOVE CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED.
31. REMOVE EXISTING BASECAN AND ASSOCIATED CONDUIT TO LIMITS OF DEMOLITION.

GENERAL NOTES

1. SEE DRAWING E041.1 FOR ELECTRICAL LAYOUT PLAN.
2. SEE E2 SERIES DRAWINGS & DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
3. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
4. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.



MATCH LINE SEE SHEET E046.2

LIMITS OF CIVIL DEMOLITION

PHASE 2 TEMPORARY FULL DEPTH ASPHALT

TAXIWAY N2

RUNWAY 4-22

(R)POWER (R)D44 (R)F1 1-2" C.E.

(R)POWER (R)D45 (R)F1,N3 2-4" C.E.

(N) POWER 6-2" C.E.

(N) POWER 6-2" D.B.

(N) POWER EMPTY 4-4" D.B.

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STATE OF TEXAS
ERIC C. LOVEJOY
84081
LICENSED PROFESSIONAL ENGINEER

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PHASE 2 - ELECTRICAL DEMOLITION PLAN - ALTERNATE 1 ----

E046.1

SHEET NO. 150 OF 172

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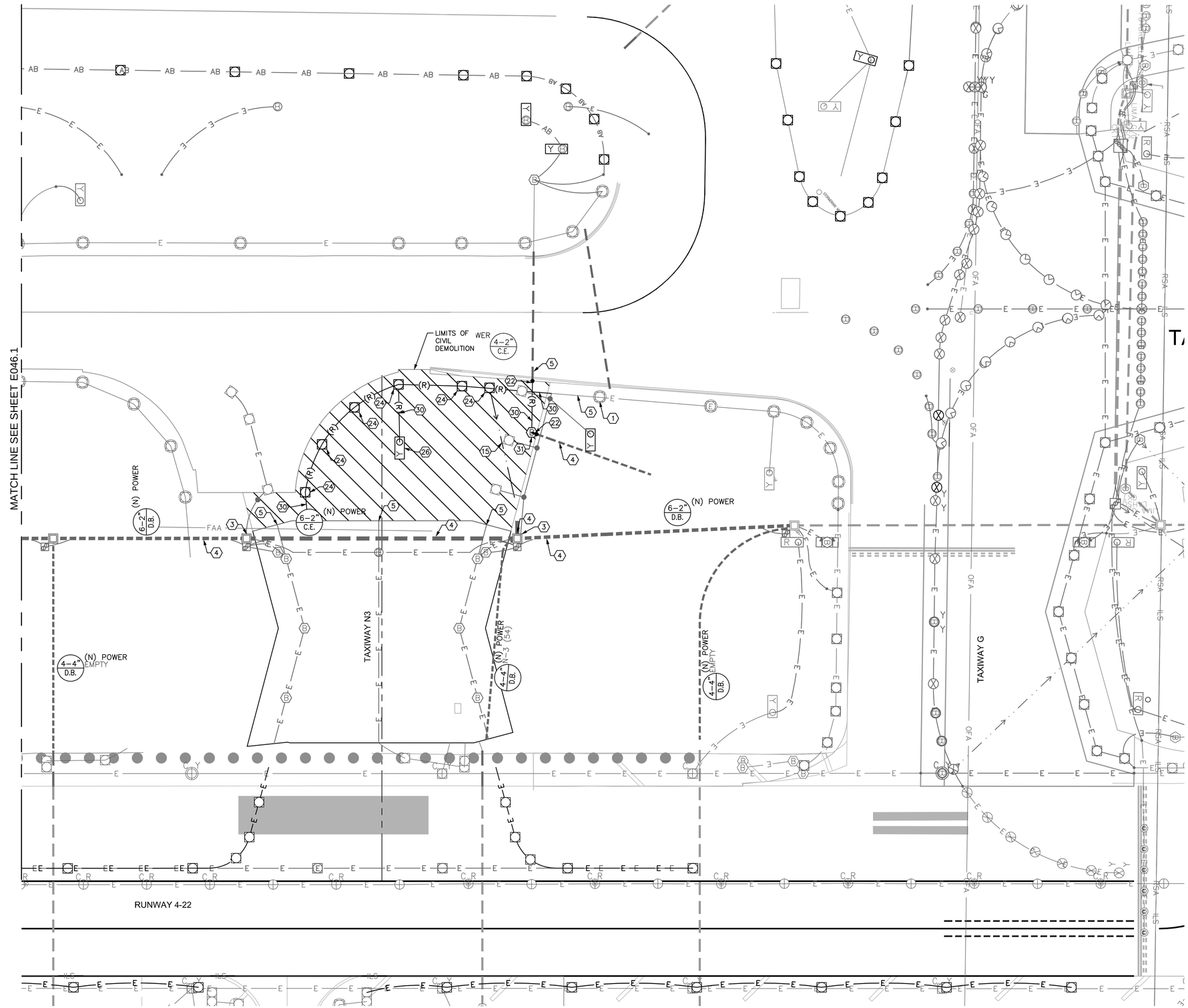
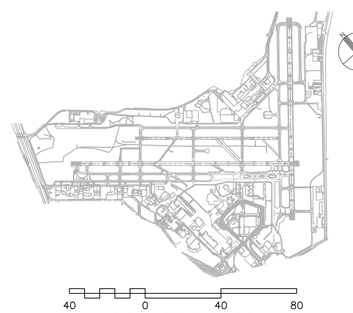


ELECTRICAL DEMOLITION NOTES

1. EXISTING LIGHT, PROTECT IN PLACE.
3. EXISTING HANDHOLE OR PULLBOX, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
5. EXISTING CONDUIT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
15. REMOVE EXISTING 2"CONDUIT TO DRAIN STRUCTURES WITHIN EXTENTS OF CIVIL DEMOLITION OR AS SHOWN.
22. REMOVE EXISTING DUCT TO LIMITS OF DEMOLITION OR AS NOTED. REMOVE EXISTING CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED. SEE CIRCUIT MAPS ON E4 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
24. REMOVE EXISTING ELEVATED LIGHT FIXTURE, BASECAN AND ISOLATION TRANSFORMER FROM SITE.
26. REMOVE EXISTING SIGN, FOUNDATION AND ISOLATION TRANSFORMER FROM SITE.
30. REMOVE EXISTING CONDUIT. REMOVE CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED.
31. REMOVE EXISTING BASECAN AND ASSOCIATED CONDUIT TO LIMITS OF DEMOLITION.

GENERAL NOTES

1. SEE DRAWING E041.2 FOR ELECTRICAL LAYOUT PLAN.
2. SEE E2 SERIES DRAWINGS & DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
3. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
4. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.



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SCALE IN FEET

CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

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TEXAS REGISTERED FIRM, NO. 928

TERMINAL AREA TAXIWAY IMPROVEMENTS (PACKAGE 3)

STATE OF TEXAS
ERIC C. LOVEJOY
84081
LICENSED
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION
ISSUE:		----

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FILE NAME:	_33-00193-R1ED-404-C01
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PHASE 2 - ELECTRICAL DEMOLITION PLAN - ALTERNATE 1 ----

E046.2

SHEET NO. 151 OF 172

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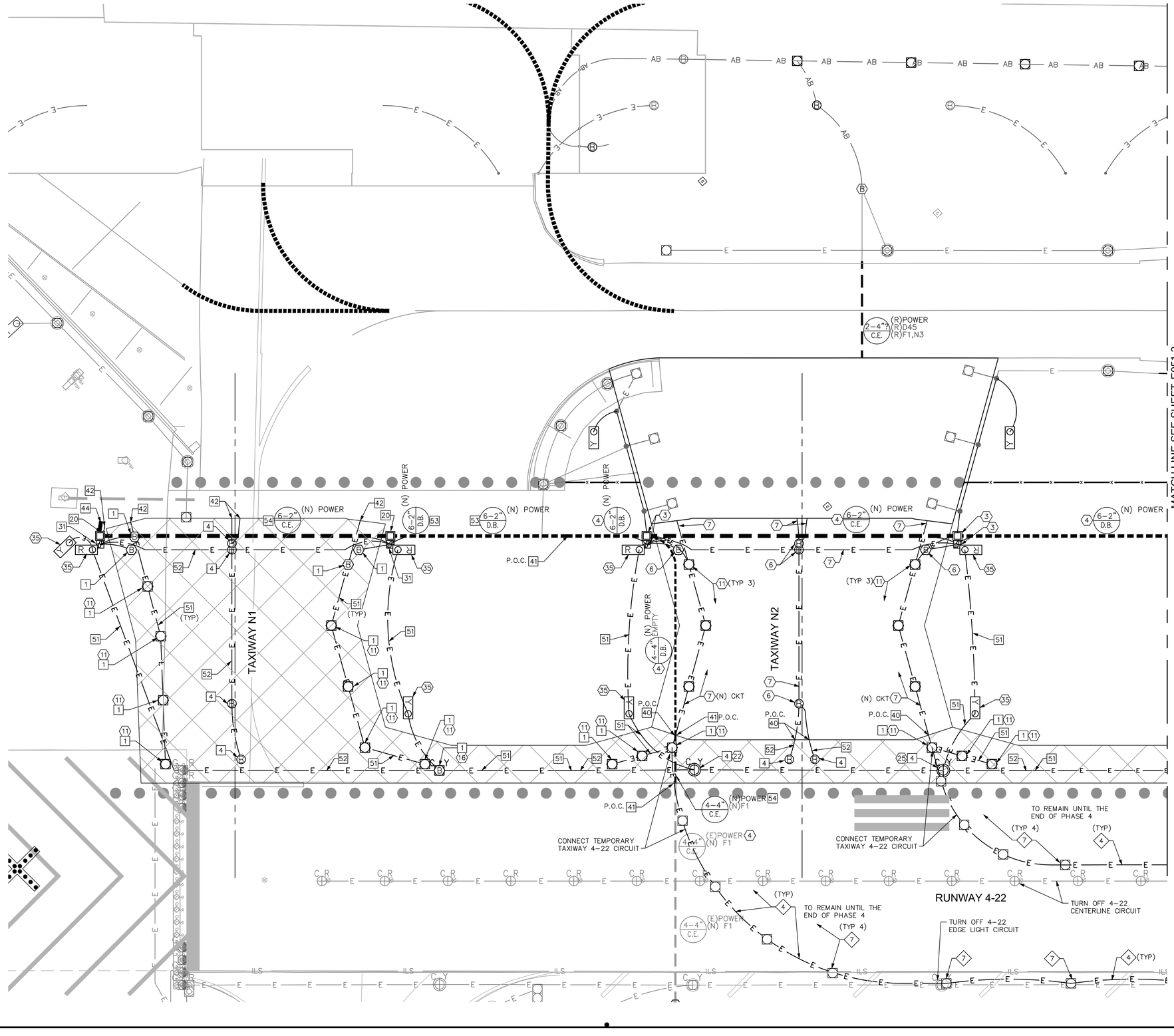


ELECTRICAL CONSTRUCTION NOTES

3. EXISTING HANDHOLE, JUNCTION CAN PLAZA OR PULLBOX, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. INSTALL NEW CONDUCTOR(S) AS NOTED.
6. EXISTING BASE CAN, PROTECT IN PLACE.
7. EXISTING EMPTY CONDUIT, PROTECT IN PLACE.
11. INSTALL NEW L–861T(LED) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
16. INSTALL NEW L–862 RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
22. INSTALL NEW L–850C RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
25. REINSTALL EXISTING L–850C RUNWAY EDGE LIGHT WITH NEW 100 W, 20A ISOLATION TRANSFORMER.
35. NEW SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION.

BASE CAN, FOUNDATION & CONDUIT NOTES

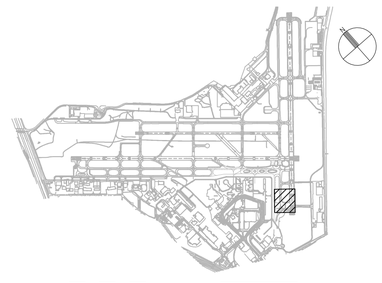
1. NEW L–867 BASE CAN (WITH 3/8" BLANK COVER IF NOTED IN TABLE) IN NEW ASPHALT PAVEMENT.
4. NEW L–868 BASE CAN (WITH 3/4" BLANK COVER OR 3/4" THICK L–868 TO L–867 ADAPTOR RING IF NOTED IN TABLE) IN NEW PCC PAVEMENT.
20. NEW PRECAST CONCRETE HANDHOLE (ITEM L–115). SEE DATA TABLES IN E2 SERIES DRAWINGS FOR LOCATION & DETAIL DATA.
31. NEW 2–CAN JUNCTION CAN PLAZA (ITEM L–115). SEE DETAILS ON DRAWING E3.8.
40. CONNECT NEW CONDUIT TO EXISTING CONDUIT. INSTALL NEW CONDUCTORS. SEE CIRCUIT MAPS, E4 SERIES DRAWINGS.
41. CONNECT NEW DUCT TO EXISTING DUCT AS SHOWN. INSTALL NEW CONDUCTORS. SEE CIRCUIT MAPS, E4 SERIES DRAWINGS.
42. STUB AND CAP 1–2"C FOR FUTURE EXTENSION. RECORD STATION, OFFSET AND DEPTH ON RECORD DRAWINGS.
44. STUB AND CAP DUCT 10–FEET OUTSIDE OF HANDHOLE FOR FUTURE EXTENSION.
51. (N) 2" CONDUIT, DIRECT BURIAL (ITEM L–110) W/ (N) CABLES (ITEM L–108). SEE E4 SERIES DRAWINGS FOR CIRCUITS.
52. (N) 2" CONDUIT, CONCRETE ENCASED (ITEM L–110) W/ (N) CABLES (ITEM L–108). SEE E4 SERIES DRAWINGS FOR CIRCUITS.
53. (N) DUCT, DIRECT BURIAL (ITEM L–110) W/ (N) CABLES (ITEM L–108) BETWEEN U.G. ELECTRICAL STRUTURES. SEE E4 SERIES DRAWINGS FOR CIRCUITS.
54. (N) DUCT, CONCRETE ENCASED (ITEM L–110) W/ (N) CABLES (ITEM L–108) BETWEEN U.G. ELECTRICAL STRUTURES. SEE E4 SERIES DRAWINGS FOR CIRCUITS.

ELECTRICAL CONSTRUCTION PHASING NOTES

4. TEMPORARY SURFACE MOUNTED 2" CONDUIT WITH L–824, TYPE C, #6, 5 KV CABLE(S). SEE DETAILS E3.11.
7. INSTALL TEMPORARY PAVEMENT MOUNTED TAXIWAY EDGE LIGHT & ISOLATION TRANSFORMER. SEE DETAILS E3.11.

GENERAL NOTES

1. SEE DRAWING E032.1 & E032.3 DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
2. SEE DRAWING E035.2 FOR AIRFIELD SIGN LEGENDS.
3. SEE DRAWING E036.2 FOR ELECTRICAL DEMOLITION PLAN.
4. SEE DRAWING E003.6 FOR DUCT CONFIGURATIONS AND INSTALLATION DETAILS.
5. SEE DRAWINGS E1.2, E1.3, E1.4 & E1.5 FOR "END STATE" ELECTRICAL CONFIGURATION.



40 0 40 80
SCALE IN FEET

CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

Kimley»Horn
KIMLEY–HORN AND ASSOCIATES, INC.
601 NW LOOP 410, SUITE 350
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PHONE: (210) 541–9166
TEXAS REGISTERED FIRM, NO. 928

TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

STATE OF TEXAS
ERIC C. LOVEJOY
84081
LICENSED
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION
1	06/08/15	NEW DRAWING
ISSUE:		----

PROJECT NO:	33-00178 and 33-00193
FILE NAME:	_33-00193-R1EE-405-C01
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PHASE 3 - ELECTRICAL LAYOUT PLAN - ALTERNATE 1

E051.1

SHEET NO. 152 OF 172

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MATCH LINE SEE SHEET E051.1

TAXIWAY N

TAXIWAY N3

TAXIWAY G

RUNWAY 4-22

(R)POWER (R)D42 (R)F1, N3 4–4" C.E.

(N) POWER 6–2" D.B.

(N) POWER 6–2" C.E.

(N) POWER 4–4" EMPTY D.B.

(N) POWER 4–4" EMPTY C.E.

(N) POWER N-3 (54) 4–4" D.B.

(N) POWER N-3 (54) 4–4" C.E.

(E)POWER 4–4" EMPTY C.E.

(E)POWER N-3 (54) 4–4" C.E.

(E)POWER F1, N3, LIMA/GL 2–4" C.E.

(N) CKT

P.O.C. 40

P.O.C. 41

C.R. 22° C. 3–22 EDGE

(TYP)

(TYP 3)

(TYP 5)

(TYP 6)

TO REMAIN UNTIL THE END OF PHASE 4

TURN OFF 4–22 CENTERLINE CIRCUIT

TEMP. CONNECT TO TWY E EDGE LIGHT CIRCUIT

TURN OFF 4–22 EDGE LIGHT CIRCUIT

ELECTRICAL CONSTRUCTION NOTES

1. EXISTING LIGHT, PROTECT IN PLACE.
2. EXISTING SIGN, PROTECT IN PLACE.
3. EXISTING HANDHOLE, JUNCTION CAN PLAZA OR PULLBOX, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. INSTALL NEW CONDUCTOR(S) AS NOTED.
6. EXISTING BASE CAN, PROTECT IN PLACE.
7. EXISTING EMPTY CONDUIT, PROTECT IN PLACE.
11. INSTALL NEW L–861T(LED) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
18. REINSTALL EXISTING L–862 RUNWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER.
22. INSTALL NEW L–850C RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
35. NEW SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION.
39. RELOCATE AND REINSTALL LIGHTED WINDCONE WITH NEW ISOLATION TRANSFORMER ON NEW FOUNDATION.

BASE CAN, FOUNDATION & CONDUIT NOTES

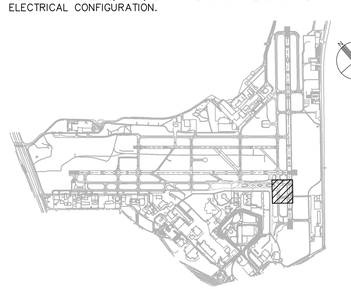
1. NEW L–867 BASE CAN (WITH 3/8" BLANK COVER IF NOTED IN TABLE) IN NEW ASPHALT PAVEMENT.
4. NEW L–868 BASE CAN (WITH 3/4" BLANK COVER OR 3/4" THICK L–868 TO L–867 ADAPTOR RING IF NOTED IN TABLE) IN NEW PCC PAVEMENT.
40. CONNECT NEW CONDUIT TO EXISTING CONDUIT. INSTALL NEW CONDUCTORS. SEE CIRCUIT MAPS, E4 SERIES DRAWINGS.
41. CONNECT NEW DUCT TO EXISTING DUCT AS SHOWN. INSTALL NEW CONDUCTORS. SEE CIRCUIT MAPS, E4 SERIES DRAWINGS.
51. (N) 2" CONDUIT, DIRECT BURIAL (ITEM L–110) W/ (N) CABLES (ITEM L–108). SEE E4 SERIES DRAWINGS FOR CIRCUITS.
52. (N) 2" CONDUIT, CONCRETE ENCASED (ITEM L–110) W/ (N) CABLES (ITEM L–108). SEE E4 SERIES DRAWINGS FOR CIRCUITS.
54. (N) DUCT, CONCRETE ENCASED (ITEM L–110) W/ (N) CABLES (ITEM L–108) BETWEEN U.G. ELECTRICAL STRUTURES. SEE E4 SERIES DRAWINGS FOR CIRCUITS.

ELECTRICAL CONSTRUCTION PHASING NOTES

4. TEMPORARY SURFACE MOUNTED 2" CONDUIT WITH L–824, TYPE C, #6, 5 KV CABLE(S). SEE DETAILS E3.11.
7. INSTALL TEMPORARY PAVEMENT MOUNTED TAXIWAY EDGE LIGHT & ISOLATION TRANSFORMER. SEE DETAILS E3.11.

GENERAL NOTES

1. SEE DRAWING E032.1 & E032.3 DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
2. SEE DRAWING E035.2 FOR AIRFIELD SIGN LEGENDS.
3. SEE DRAWING E036.2 FOR ELECTRICAL DEMOLITION PLAN.
4. SEE DRAWING E003.6 FOR DUCT CONFIGURATIONS AND INSTALLATION DETAILS.
5. SEE DRAWINGS E1.2, E1.3, E1.4 & E1.5 FOR "END STATE" ELECTRICAL CONFIGURATION.



40 0 40 80
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CITY OF SAN ANTONIO AVIATION DEPARTMENT

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PHASE 3 - ELECTRICAL LAYOUT PLAN - ALTERNATE 1

E051.2

SHEET NO. 153 OF 172

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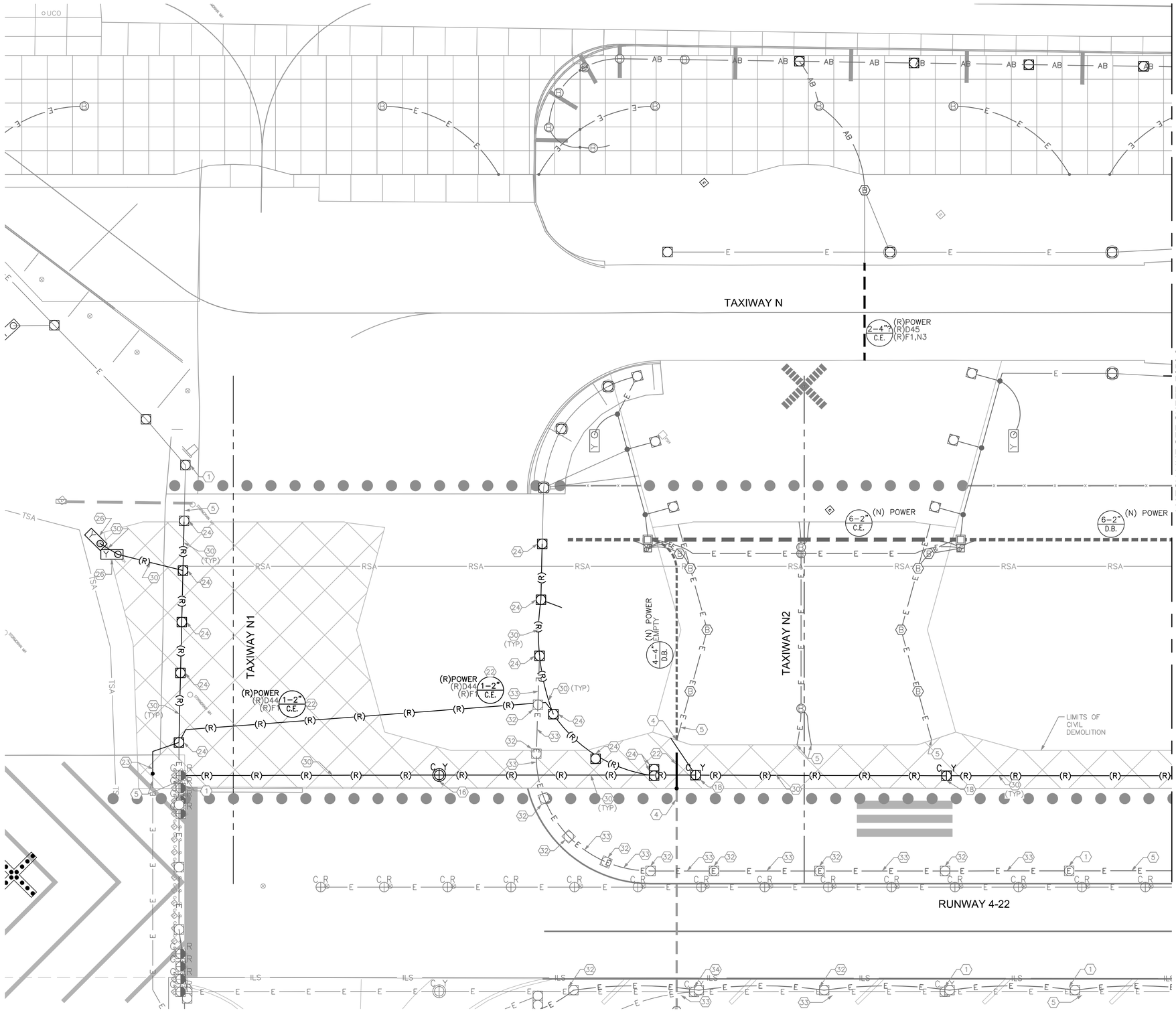
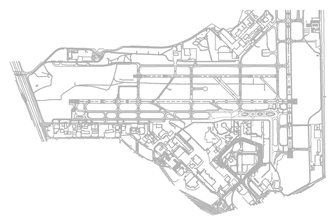


ELECTRICAL DEMOLITION NOTES

1. EXISTING LIGHT, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
5. EXISTING CONDUIT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
16. SALVAGE EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER TO THE OWNER. REMOVE THE FOUNDATION FROM SITE.
18. SALVAGE EXISTING RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER TO THE OWNER.
22. REMOVE EXISTING DUCT TO LIMITS OF DEMOLITION OR AS NOTED. REMOVE EXISTING CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED. SEE CIRCUIT MAPS ON E4 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
23. REMOVE EXISTING CONDUIT TO LIMITS OF DEMOLITION OR AS NOTED. PROTECT FOR CONNECTION TO NEW CONDUIT. REMOVE CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED.
24. REMOVE EXISTING ELEVATED LIGHT FIXTURE, BASECAN AND ISOLATION TRANSFORMER FROM SITE.
26. REMOVE EXISTING SIGN, FOUNDATION AND ISOLATION TRANSFORMER FROM SITE.
30. REMOVE EXISTING CONDUIT. REMOVE CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED.
32. REMOVE TEMPORARY SURFACE MOUNTED TAXIWAY EDGE LIGHT.
33. REMOVE TEMPORARY SURFACE MOUNTED CONDUIT AND CABLE OR DEB CABLE AS APPLICABLE.
34. REMOVE TEMPORARY TAXIWAY EDGE LIGHT AND RE-INSTALL RUNWAY EDGE LIGHT.

1. SEE DRAWING E051.1 FOR ELECTRICAL LAYOUT PLAN.
2. SEE E2 SERIES DRAWINGS & DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
3. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
4. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.



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PHASE 3 - ELECTRICAL DEMOLITION PLAN - ALTERNATE 1

E056.1

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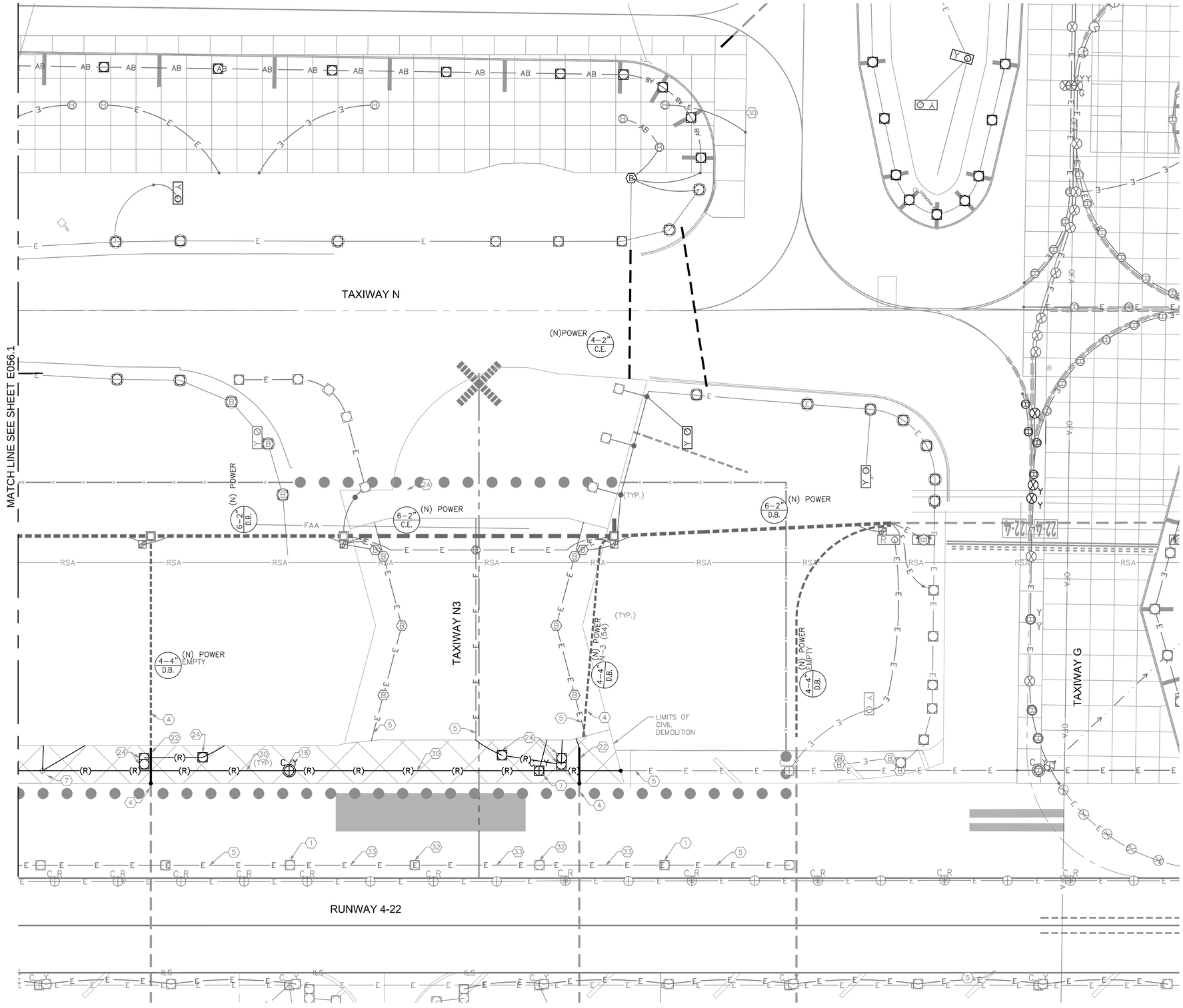
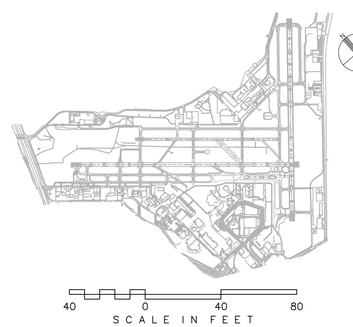


ELECTRICAL DEMOLITION NOTES

1. EXISTING LIGHT, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
5. EXISTING CONDUIT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
7. SALVAGE EXISTING RUNWAY EDGE LIGHT FOR REINSTALLATION. SALVAGE EXISTING ISOLATION TRANSFORMER TO THE OWNER. SEE E1 SERIES DRAWINGS FOR REINSTALLATION OF EDGE LIGHT.
16. SALVAGE EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER TO THE OWNER. REMOVE THE FOUNDATION FROM SITE.
22. REMOVE EXISTING DUCT TO LIMITS OF DEMOLITION OR AS NOTED. REMOVE EXISTING CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED. SEE CIRCUIT MAPS ON E4 SERIES DRAWINGS FOR ADDITIONAL INFORMATION.
24. REMOVE EXISTING ELEVATED LIGHT FIXTURE, BASECAN AND ISOLATION TRANSFORMER FROM SITE.
30. REMOVE EXISTING CONDUIT. REMOVE CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED.
32. REMOVE TEMPORARY SURFACE MOUNTED TAXIWAY EDGE LIGHT.
33. REMOVE TEMPORARY SURFACE MOUNTED CONDUIT AND CABLE OR DEB CABLE AS APPLICABLE.

GENERAL NOTES

1. SEE DRAWING E051.2 FOR ELECTRICAL LAYOUT PLAN.
2. SEE E2 SERIES DRAWINGS & DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
3. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
4. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.



CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
601 NW LOOP 410, SUITE 350
SAN ANTONIO, TEXAS 78216
PHONE: (210) 541-9166
TEXAS REGISTERED FIRM, NO. 928

TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

STATE OF TEXAS
ERIC C. LOVEJOY
84081
LICENSED
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION
1	06/08/15	NEW DRAWING
ISSUE:		----

PROJECT NO:	33-00178 and 33-00193
FILE NAME:	_33-00193-R1ED-405-C01
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PHASE 3 - ELECTRICAL DEMOLITION PLAN - ALTERNATE 1

E056.2

SHEET NO. 155 OF 172

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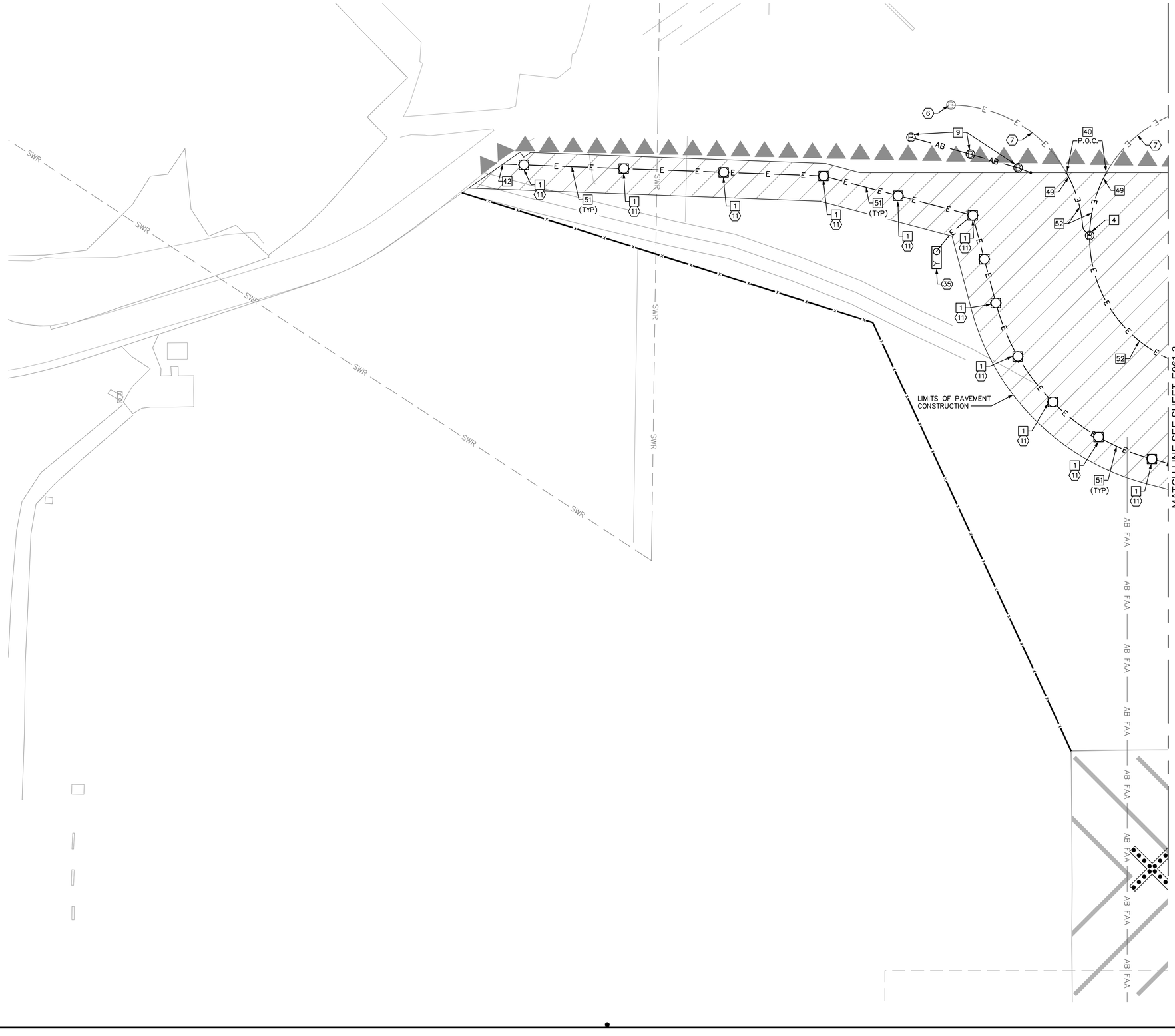


ELECTRICAL CONSTRUCTION NOTES

6 EXISTING BASE CAN, PROTECT IN PLACE.

7 EXISTING EMPTY CONDUIT, PROTECT IN PLACE.

11 INSTALL NEW L-861T(LED) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER.

35 NEW SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION.

BASE CAN, FOUNDATION & CONDUIT NOTES

1 NEW L-867 BASE CAN (WITH 3/8" BLANK COVER IF NOTED IN TABLE) IN NEW ASPHALT PAVEMENT.

4 NEW L-868 BASE CAN (WITH 3/4" BLANK COVER OR 3/4" THICK L-868 TO L-867 ADAPTOR RING IF NOTED IN TABLE) IN NEW PCC PAVEMENT.

9 NEW 3/4" BLANK COVER ON EXISTING L-868 BASE CAN.

40 CONNECT NEW CONDUIT TO EXISTING CONDUIT. INSTALL NEW CONDUCTORS. SEE CIRCUIT MAPS, E4 SERIES DRAWINGS.

42 STUB AND CAP 1-2"C FOR FUTURE EXTENSION. RECORD STATION, OFFSET AND DEPTH ON RECORD DRAWINGS.

49 CONNECT NEW 2" EMPTY CONDUIT TO EXISTING EMPTY 2" CONDUIT.

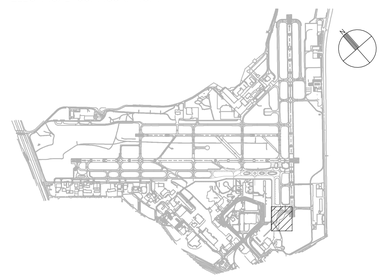
51 (N) 2" CONDUIT, DIRECT BURIAL (ITEM L-110) W/ (N) CABLES (ITEM L-108). SEE E4 SERIES DRAWINGS FOR CIRCUITS.

52 (N) 2" CONDUIT, CONCRETE ENCASED (ITEM L-110) W/ (N) CABLES (ITEM L-108). SEE E4 SERIES DRAWINGS FOR CIRCUITS.

ELECTRICAL CONSTRUCTION PHASING NOTES

GENERAL NOTES

1. SEE DRAWING E032.1 & E032.3 DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
2. SEE DRAWING E035.2 FOR AIRFIELD SIGN LEGENDS.
3. SEE DRAWING E036.2 FOR ELECTRICAL DEMOLITION PLAN.
4. SEE DRAWING E003.6 FOR DUCT CONFIGURATIONS AND INSTALLATION DETAILS.
5. SEE DRAWINGS E1.2, E1.3, E1.4 & E1.5 FOR "END STATE" ELECTRICAL CONFIGURATION.



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CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

Kimley»Horn
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TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

STATE OF TEXAS
ERIC C. LOVEJOY
84081
LICENSED
PROFESSIONAL ENGINEER

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PHASE 4 - ELECTRICAL LAYOUT PLAN - ALTERNATE 1

E061.1

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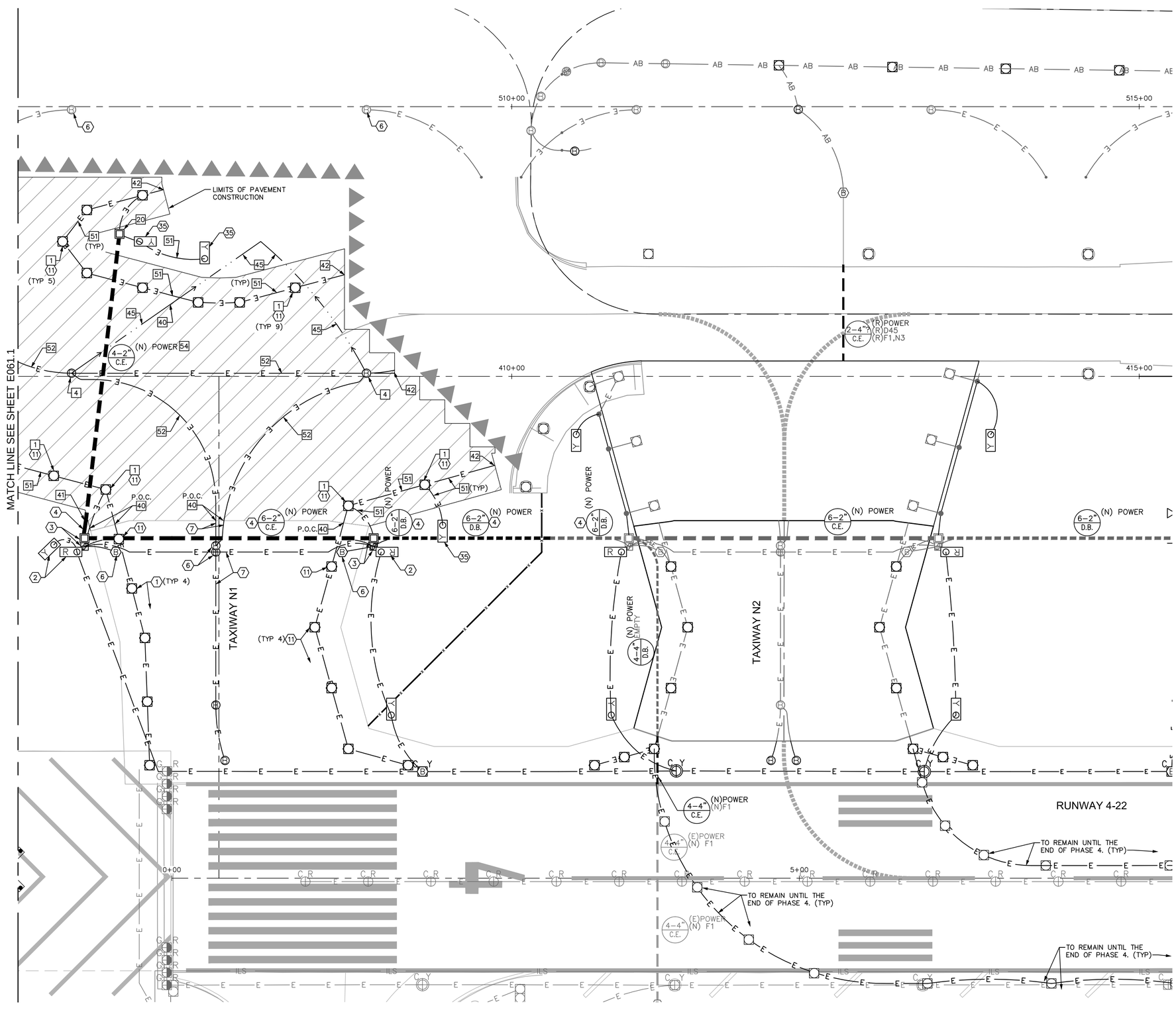


ELECTRICAL CONSTRUCTION NOTES

1. EXISTING LIGHT, PROTECT IN PLACE.
2. EXISTING SIGN, PROTECT IN PLACE.
3. EXISTING HANDHOLE, JUNCTION CAN PLAZA OR PULLBOX, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. INSTALL NEW CONDUCTOR(S) AS NOTED.
6. EXISTING BASE CAN, PROTECT IN PLACE.
7. EXISTING EMPTY CONDUIT, PROTECT IN PLACE.
11. INSTALL NEW L-861T(LED) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
35. NEW SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION.

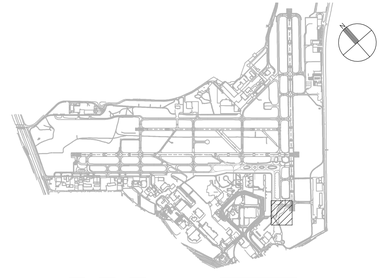
BASE CAN, FOUNDATION & CONDUIT NOTES

1. NEW L-867 BASE CAN (WITH 3/8" BLANK COVER IF NOTED IN TABLE) IN NEW ASPHALT PAVEMENT.
4. NEW L-868 BASE CAN (WITH 3/4" BLANK COVER OR 3/4" THICK L-868 TO L-867 ADAPTOR RING IF NOTED IN TABLE) IN NEW PCC PAVEMENT.
20. NEW PRECAST CONCRETE HANDHOLE (ITEM L-115). SEE DATA TABLES IN E2 SERIES DRAWINGS FOR LOCATION & DETAIL DATA.
40. CONNECT NEW CONDUIT TO EXISTING CONDUIT. INSTALL NEW CONDUCTORS. SEE CIRCUIT MAPS, E4 SERIES DRAWINGS.
41. CONNECT NEW DUCT TO EXISTING DUCT AS SHOWN. INSTALL NEW CONDUCTORS. SEE CIRCUIT MAPS, E4 SERIES DRAWINGS.
42. STUB AND CAP 1-2"C FOR FUTURE EXTENSION. RECORD STATION, OFFSET AND DEPTH ON RECORD DRAWINGS.
45. INSTALL 2"C (ITEM L-110) TO DRAIN STRUCTURES. COMBINE DRAIN CONDUITS FROM SEPARATE SYSTEMS INTO COMMON TRENCH WHEN POSSIBLE. SEE DETAILS ON E3.10.
51. (N) 2" CONDUIT, DIRECT BURIAL (ITEM L-110) W/ (N) CABLES (ITEM L-108). SEE E4 SERIES DRAWINGS FOR CIRCUITS.
52. (N) 2" CONDUIT, CONCRETE ENCASED (ITEM L-110) W/ (N) CABLES (ITEM L-108) BETWEEN U.G. ELECTRICAL STRUTURES. SEE E4 SERIES DRAWINGS FOR CIRCUITS.
54. (N) DUCT, CONCRETE ENCASED (ITEM L-110) W/ (N) CABLES (ITEM L-108) BETWEEN U.G. ELECTRICAL STRUTURES. SEE E4 SERIES DRAWINGS FOR CIRCUITS.

ELECTRICAL CONSTRUCTION PHASING NOTES

GENERAL NOTES

1. SEE DRAWING E032.1 & E032.3 DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
2. SEE DRAWING E035.2 FOR AIRFIELD SIGN LEGENDS.
3. SEE DRAWING E036.2 FOR ELECTRICAL DEMOLITION PLAN.
4. SEE DRAWING E003.6 FOR DUCT CONFIGURATIONS AND INSTALLATION DETAILS.
5. SEE DRAWINGS E1.2, E1.3, E1.4 & E1.5 FOR "END STATE" ELECTRICAL CONFIGURATION.



CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

Kimley»Horn
KIMLEY-HORN AND ASSOCIATES, INC.
601 NW LOOP 410, SUITE 350
SAN ANTONIO, TEXAS 78216
PHONE: (210) 541-9166
TEXAS REGISTERED FIRM, NO. 928

TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

ERIC C. LOVEJOY 84081 LICENSED PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION
1	06/08/15	NEW DRAWING

ISSUE:	----
PROJECT NO:	33-00178 and 33-00193
FILE NAME:	33-00193-R1EE-406-C01
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CHECKED BY:	ECL
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PHASE 4 - ELECTRICAL LAYOUT PLAN - ALTERNATE 1

E061.2

SHEET NO. 157 OF 172

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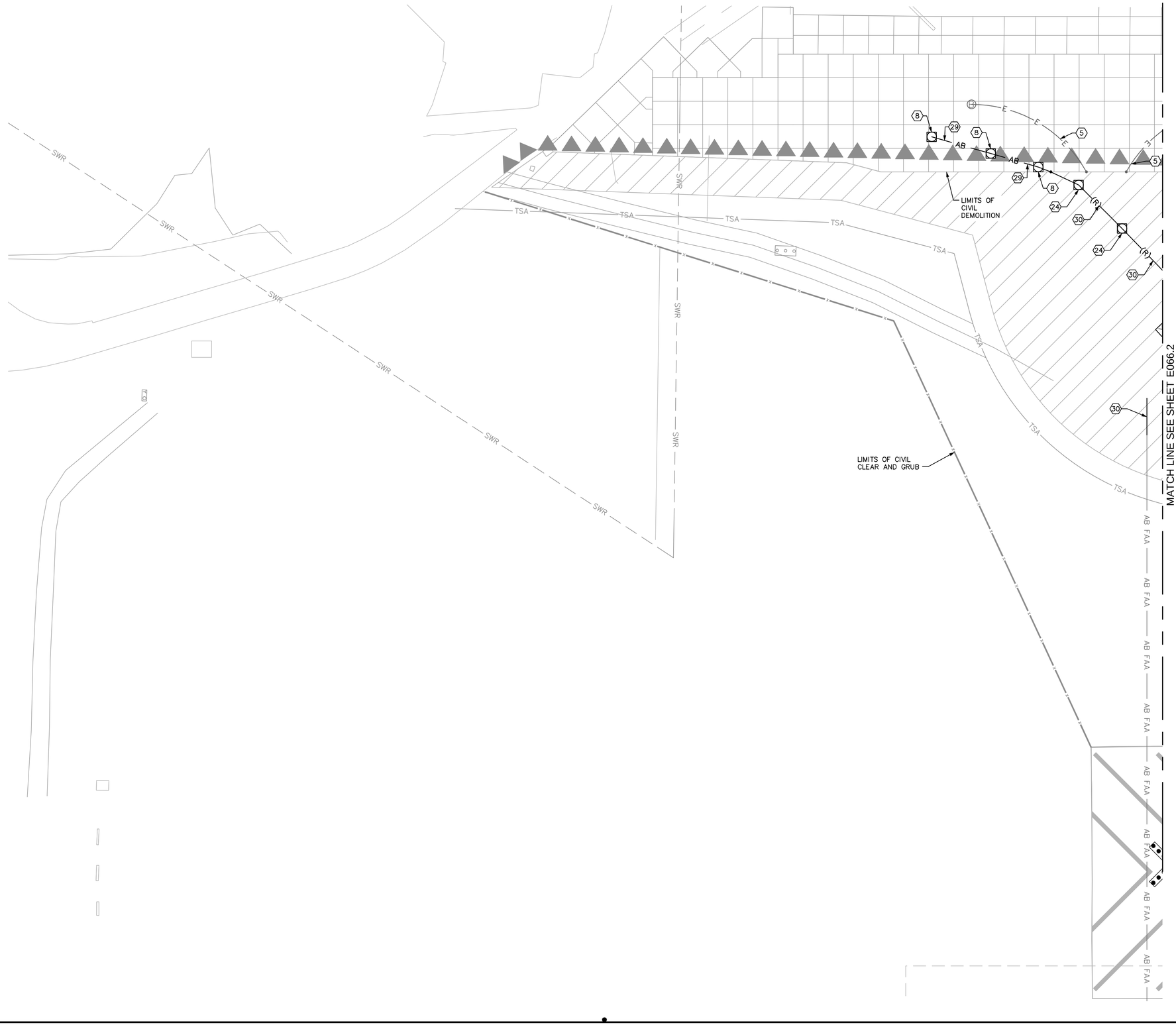


ELECTRICAL DEMOLITION NOTES

(5) EXISTING CONDUIT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.

(8) SALVAGE EXISTING TAXIWAY EDGE LIGHT FOR REINSTALLATION. SALVAGE EXISTING ISOLATION TRANSFORMER TO THE OWNER. SEE E1 SERIES DRAWINGS FOR REINSTALLATION OF EDGE LIGHT.

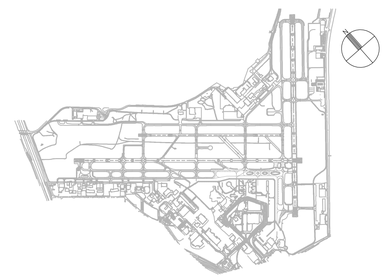
(24) REMOVE EXISTING ELEVATED LIGHT FIXTURE, BASECAN AND ISOLATION TRANSFORMER FROM SITE.

(29) REMOVE EXISTING CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED. ABANDON CONDUIT IN PLACE.

(30) REMOVE EXISTING CONDUIT. REMOVE CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED.

GENERAL NOTES

1. SEE E061 DRAWINGS FOR ELECTRICAL LAYOUT PLANS.
2. SEE E2 SERIES & DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
3. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
4. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.



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SCALE IN FEET

CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

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TEXAS REGISTERED FIRM,
NO. 928

TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

STATE OF TEXAS
ERIC C. LOVEJOY
84081
LICENSED
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION
1	06/08/15	NEW DRAWING
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PHASE 4 - ELECTRICAL DEMOLITION PLAN - ALTERNATE 1

E066.1

SHEET NO. 158 OF 172

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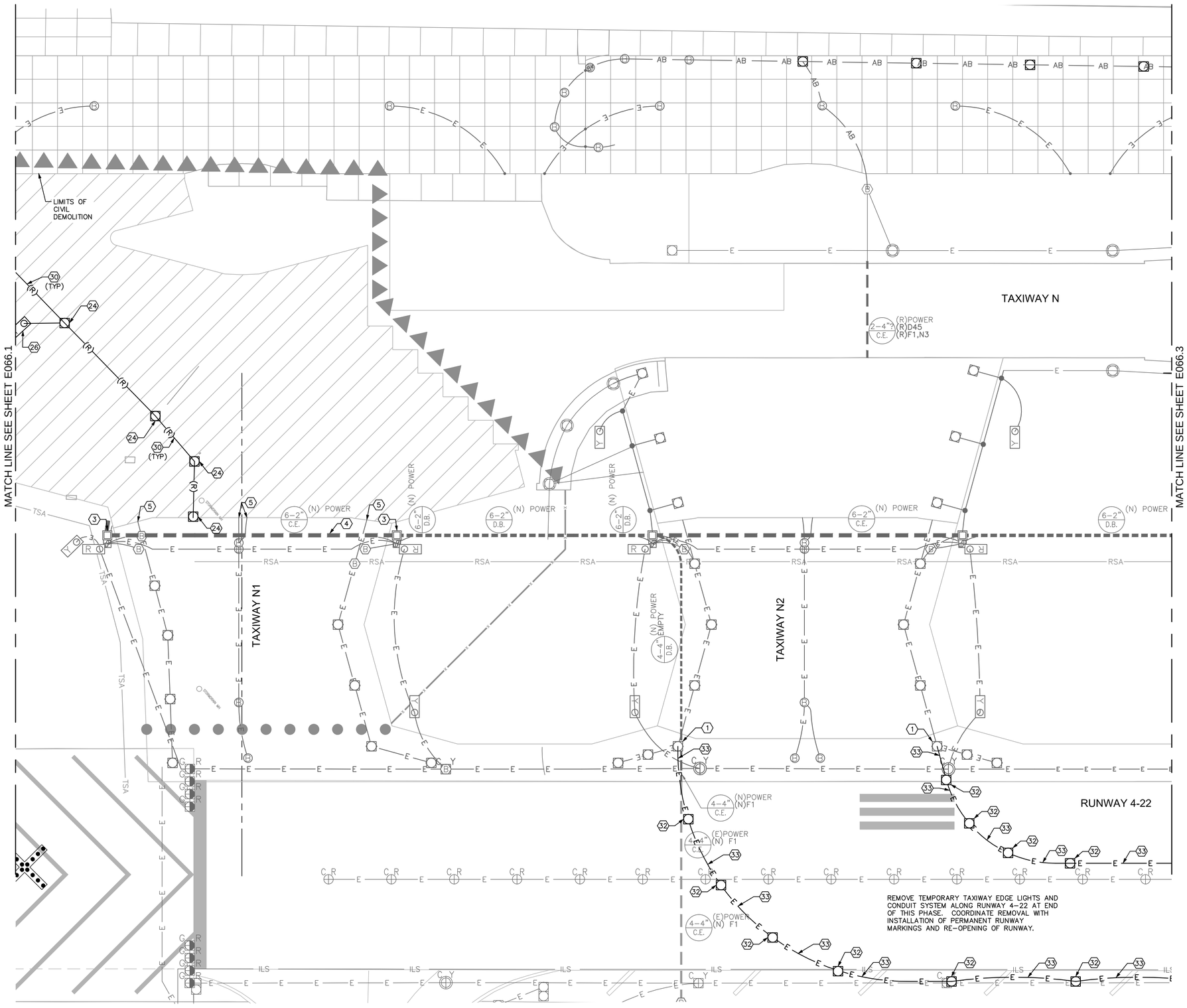
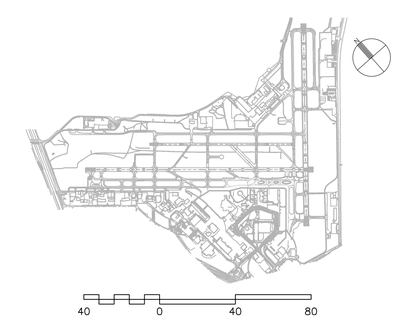


ELECTRICAL DEMOLITION NOTES

3. EXISTING HANDHOLE OR PULLBOX, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
5. EXISTING CONDUIT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
24. REMOVE EXISTING ELEVATED LIGHT FIXTURE, BASECAN AND ISOLATION TRANSFORMER FROM SITE.
26. REMOVE EXISTING SIGN, FOUNDATION AND ISOLATION TRANSFORMER FROM SITE.
30. REMOVE EXISTING CONDUIT. REMOVE CONDUCTORS BACK TO EXISTING STRUCTURE TO REMAIN OR AS NOTED.
32. REMOVE TEMPORARY SURFACE MOUNTED TAXIWAY EDGE LIGHT.
33. REMOVE TEMPORARY SURFACE MOUNTED CONDUIT AND CABLE OR DEB CABLE AS APPLICABLE.

GENERAL NOTES

1. SEE E061 DRAWINGS FOR ELECTRICAL LAYOUT PLANS.
2. SEE E2 SERIES DRAWINGS & DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
3. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
4. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.



CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

Kimley»Horn

KIMLEY-HORN AND ASSOCIATES, INC.
601 NW LOOP 410, SUITE 350
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PHONE: (210) 541-9166

TEXAS REGISTERED FIRM, NO. 928

TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

STATE OF TEXAS
ERIC C. LOVEJOY
84081
LICENSED
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION
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PHASE 4 - ELECTRICAL DEMOLITION PLAN - ALTERNATE 1

E066.2

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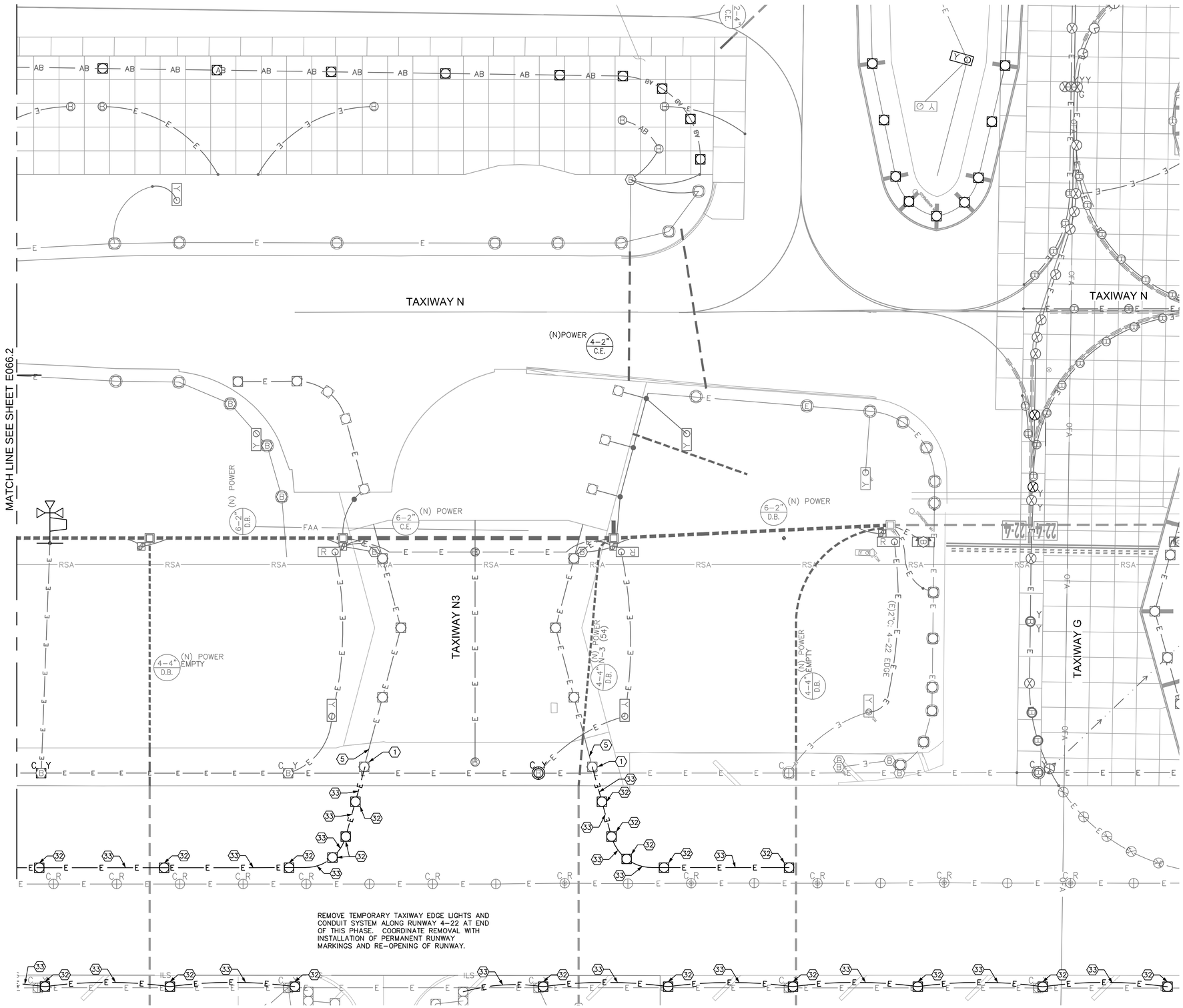
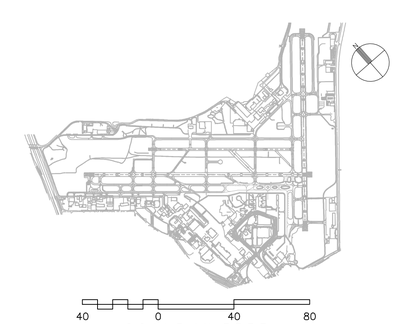


ELECTRICAL DEMOLITION NOTES

1. EXISTING LIGHT, PROTECT IN PLACE.
5. EXISTING CONDUIT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
32. REMOVE TEMPORARY SURFACE MOUNTED TAXIWAY EDGE LIGHT.
33. REMOVE TEMPORARY SURFACE MOUNTED CONDUIT AND CABLE OR DEB CABLE AS APPLICABLE.

GENERAL NOTES

1. SEE E061 DRAWINGS FOR ELECTRICAL LAYOUT PLANS.
2. SEE E2 SERIES DRAWINGS & DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
3. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
4. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.



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TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

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PHASE 4 - ELECTRICAL DEMOLITION PLAN - ALTERNATE 1

E066.3

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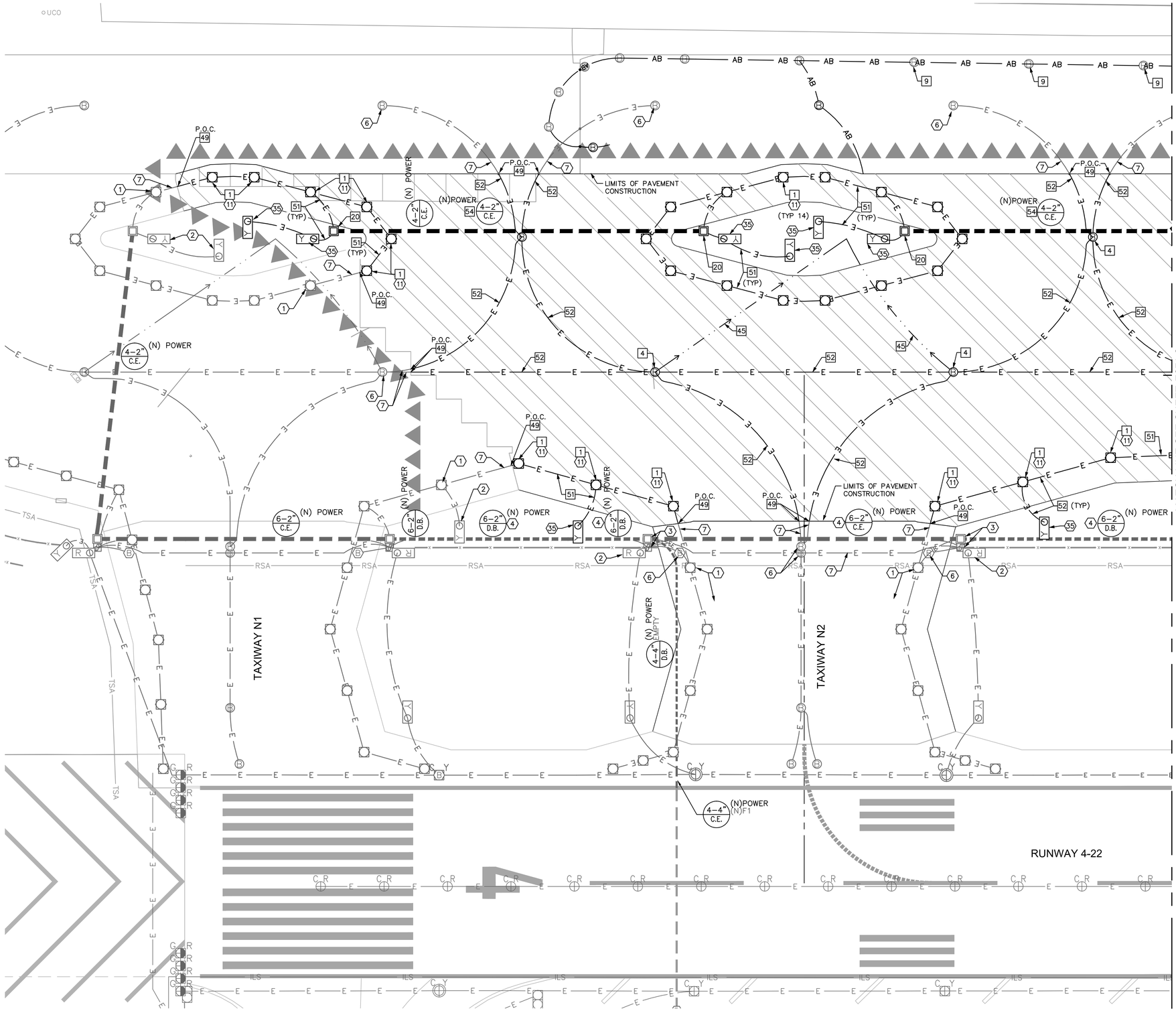


ELECTRICAL CONSTRUCTION NOTES

1. EXISTING LIGHT, PROTECT IN PLACE.
2. EXISTING SIGN, PROTECT IN PLACE.
3. EXISTING HANDHOLE, JUNCTION CAN PLAZA OR PULLBOX, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. INSTALL NEW CONDUCTOR(S) AS NOTED.
6. EXISTING BASE CAN, PROTECT IN PLACE.
7. EXISTING EMPTY CONDUIT, PROTECT IN PLACE.
11. INSTALL NEW L-861T(LED) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
35. NEW SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION.

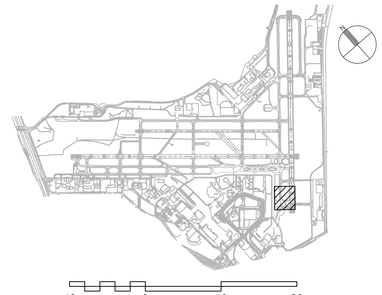
BASE CAN, FOUNDATION & CONDUIT NOTES

1. NEW L-867 BASE CAN (WITH 3/8" BLANK COVER IF NOTED IN TABLE) IN NEW ASPHALT PAVEMENT.
4. NEW L-868 BASE CAN (WITH 3/4" BLANK COVER OR 3/4" THICK L-868 TO L-867 ADAPTOR RING IF NOTED IN TABLE) IN NEW PCC PAVEMENT.
9. NEW 3/4" BLANK COVER ON EXISTING L-868 BASE CAN.
20. NEW PRECAST CONCRETE HANDHOLE (ITEM L-115). SEE DATA TABLES IN E2 SERIES DRAWINGS FOR LOCATION & DETAIL DATA.
45. INSTALL 2"C (ITEM L-110) TO DRAIN STRUCTURES. COMBINE DRAIN CONDUITS FROM SEPARATE SYSTEMS INTO COMMON TRENCH WHEN POSSIBLE. SEE DETAILS ON E3.10.
49. CONNECT NEW 2" EMPTY CONDUIT TO EXISTING EMPTY 2" CONDUIT.
51. (N) 2" CONDUIT, DIRECT BURIAL (ITEM L-110) W/ (N) CABLES (ITEM L-108). SEE E4 SERIES DRAWINGS FOR CIRCUITS.
52. (N) 2" CONDUIT, CONCRETE ENCASED (ITEM L-110) W/ (N) CABLES (ITEM L-108). SEE E4 SERIES DRAWINGS FOR CIRCUITS.
54. (N) DUCT, CONCRETE ENCASED (ITEM L-110) W/ (N) CABLES (ITEM L-108) BETWEEN U.G. ELECTRICAL STRUTURES. SEE E4 SERIES DRAWINGS FOR CIRCUITS.

ELECTRICAL CONSTRUCTION PHASING NOTES

GENERAL NOTES

1. SEE DRAWING E032.1 & E032.3 DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
2. SEE DRAWING E035.2 FOR AIRFIELD SIGN LEGENDS.
3. SEE DRAWING E036.2 FOR ELECTRICAL DEMOLITION PLAN.
4. SEE DRAWING E003.6 FOR DUCT CONFIGURATIONS AND INSTALLATION DETAILS.
5. SEE DRAWINGS E1.2, E1.3, E1.4 & E1.5 FOR "END STATE" ELECTRICAL CONFIGURATION.



CITY OF SAN ANTONIO AVIATION DEPARTMENT

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ERIC C. LOVEJOY
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LICENSED PROFESSIONAL ENGINEER

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PHASE 5 - ELECTRICAL LAYOUT PLAN - ALTERNATE 1

E071.1

SHEET NO. 161 OF 172

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