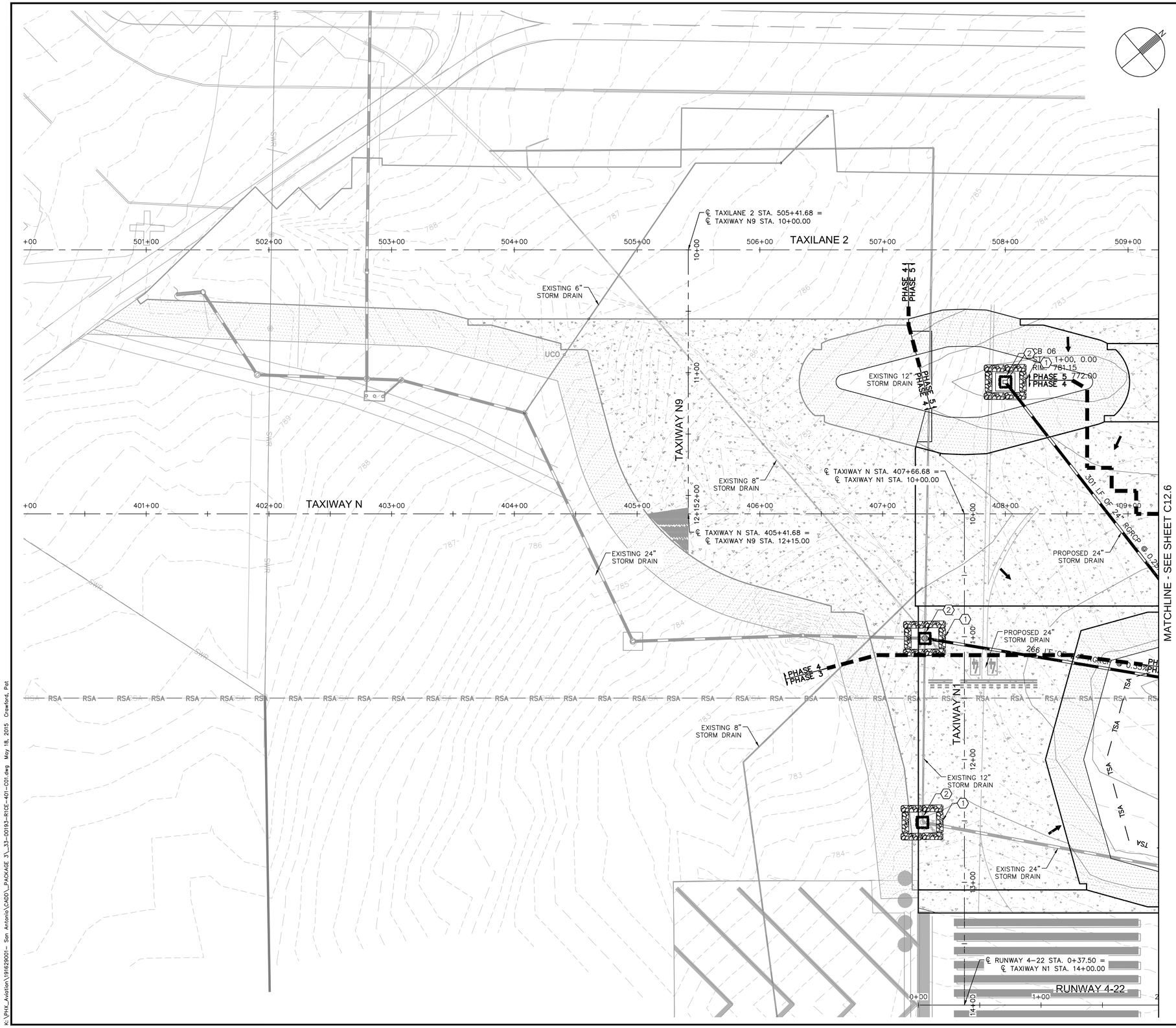


LEGEND

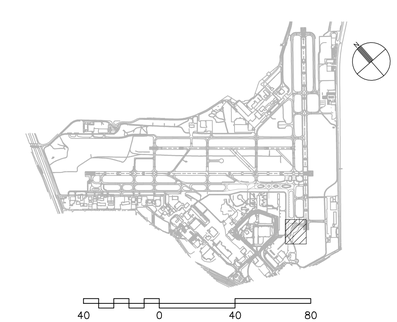
- PORTLAND CEMENT CONCRETE PAVEMENT
- PORTLAND CEMENT CONCRETE TRANSITION
- ASPHALT CONCRETE SHOULDER PAVEMENT
- ASPHALT CONCRETE PAPI ROAD PAVEMENT
- PROPOSED SEEDING AREA
- PROPOSED SOD AREA
- ROCK FILTER DAM
- DRAINAGE INLET PROTECTION
- FLOW DIRECTION ARROW
- GRADING LIMITS
- 777 EXISTING CONTOUR
- 777 PROPOSED CONTOUR
- X SEDIMENT CONTROL FENCE
- PROPOSED DRAINAGE LINE

GENERAL NOTES

1. THE PURPOSE OF THE SWPPP IS TO PROTECT THE EXISTING DRAINAGE BASINS, CHANNELS, AND PIPE NETWORKS FROM SEDIMENTATION AND CONTAMINANTS.
2. THIS PROPOSED LAYOUT SHOWS THE FINAL CONDITION OF THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING BMP INSTALLATIONS DURING CONSTRUCTION.
3. PLACE WATTLES IN FRONT OF ALL INLETS.
4. SEEDING SHALL BE PERFORMED AND PAID FOR ALL AREAS AFFECTED BY GRADING AND EARTHWORK. OTHER AREAS INCIDENTALLY AFFECTED BY CONSTRUCTION EQUIPMENT SHALL BE RESEEDED AT THE CONTRACTOR'S EXPENSE.
5. SEE SPECIFICATION T-901 FOR SEEDING REQUIREMENTS AND SEED MIX, AND SPECIFICATION T-904 FOR SODDING REQUIREMENTS.
6. REFER TO ELECTRICAL PLANS (SERIES E) FOR AIRFIELD LIGHTING, SIGNING, AND ELECTRICAL FEATURES.
7. LIMITS OF SODDING ARE A TYPICAL WIDTH OF 15 FEET OFF OF THE EDGES OF PROPOSED PAVEMENT.
8. INLET PROTECTION TO BE PLACED ON EXISTING STORM DRAIN INLETS INITIALLY AND REMOVED UPON DEMOLITION OF EXISTING STORM DRAIN SYSTEM. INLET PROTECTION SHALL BE PLACED ON PROPOSED STORM DRAIN INLETS UPON THEIR CONSTRUCTION.

CONSTRUCTION NOTES

1. INSTALL ROCK FILTER DAM PER DETAIL SHEET C12.3.
2. INSTALL CATCH BASIN PROTECTION PER DETAIL SHEET C12.4.
3. INSTALL SEDIMENT CONTROL FENCE PER DETAIL SHEET C12.3.



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
MICHAEL A. NORBY
87178
REGISTERED PROFESSIONAL ENGINEER
05/18/15

MARK	DATE	DESCRIPTION

ISSUE:

PROJECT NO:	33-00193
FILE NAME:	_33-00193-R1CE-401-C01
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CHECKED BY:	MAN
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SHEET TITLE:

STORM WATER POLLUTION PREVENTION PLAN - ALTERNATE 1

C12.5

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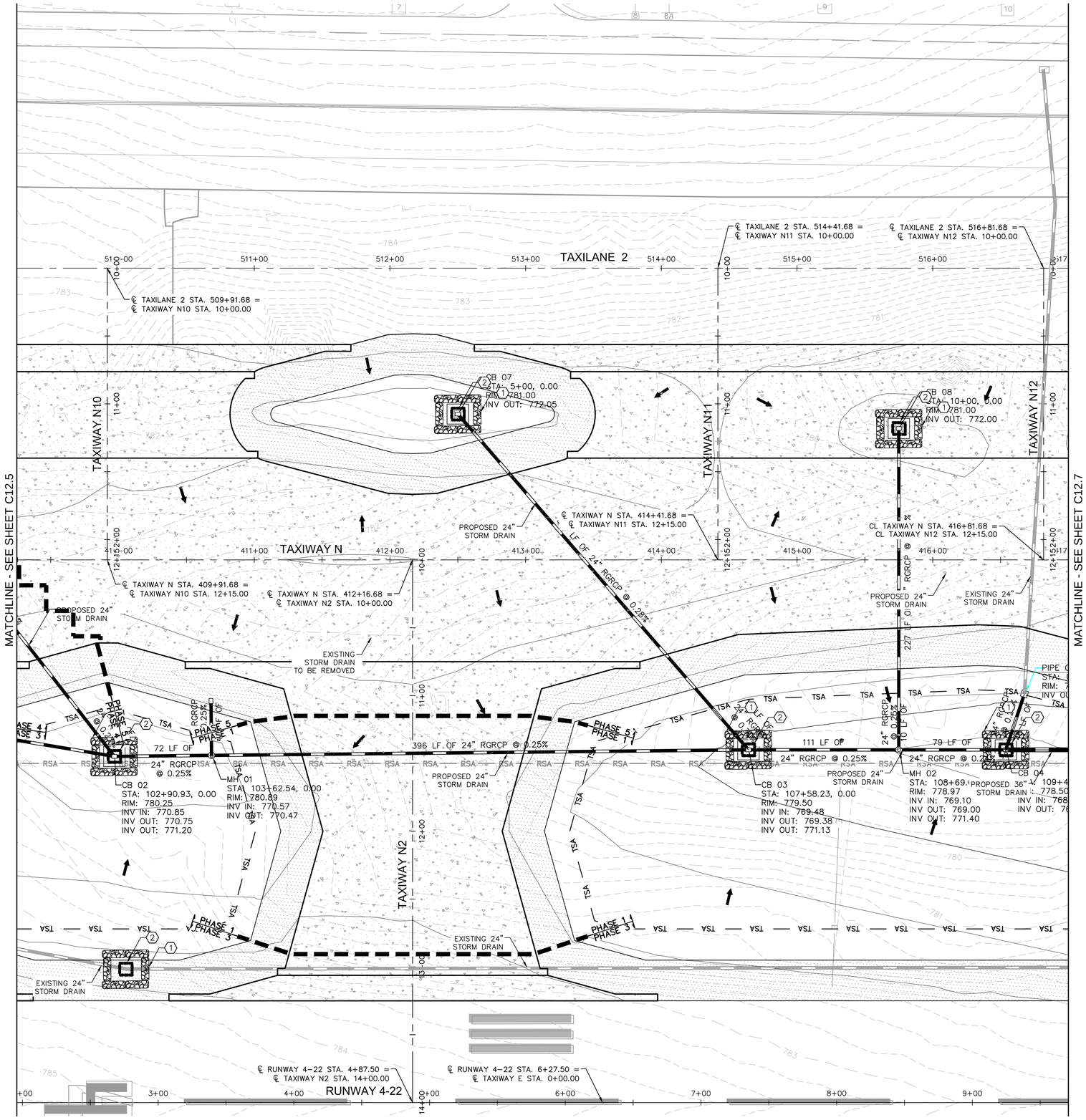

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT
- PORTLAND CEMENT CONCRETE TRANSITION
- ASPHALT CONCRETE SHOULDER PAVEMENT
- ASPHALT CONCRETE PAPI ROAD PAVEMENT
- PROPOSED SEEDING AREA
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GENERAL NOTES

1. THE PURPOSE OF THE SWPPP IS TO PROTECT THE EXISTING DRAINAGE BASINS, CHANNELS, AND PIPE NETWORKS FROM SEDIMENTATION AND CONTAMINANTS.
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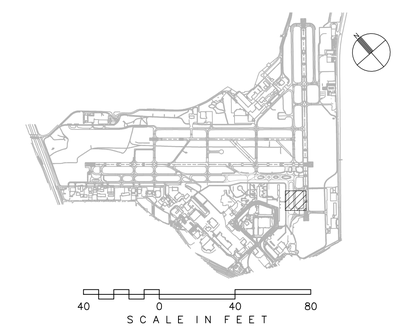
CONSTRUCTION NOTES

1. INSTALL ROCK FILTER DAM PER DETAIL SHEET C12.3.
2. INSTALL CATCH BASIN PROTECTION PER DETAIL SHEET C12.4.
3. INSTALL SEDIMENT CONTROL FENCE PER DETAIL SHEET C12.3.



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SAN ANTONIO, TEXAS 78216
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REGISTERED PROFESSIONAL ENGINEER
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STORM WATER POLLUTION PREVENTION PLAN - ALTERNATE 1

C12.6

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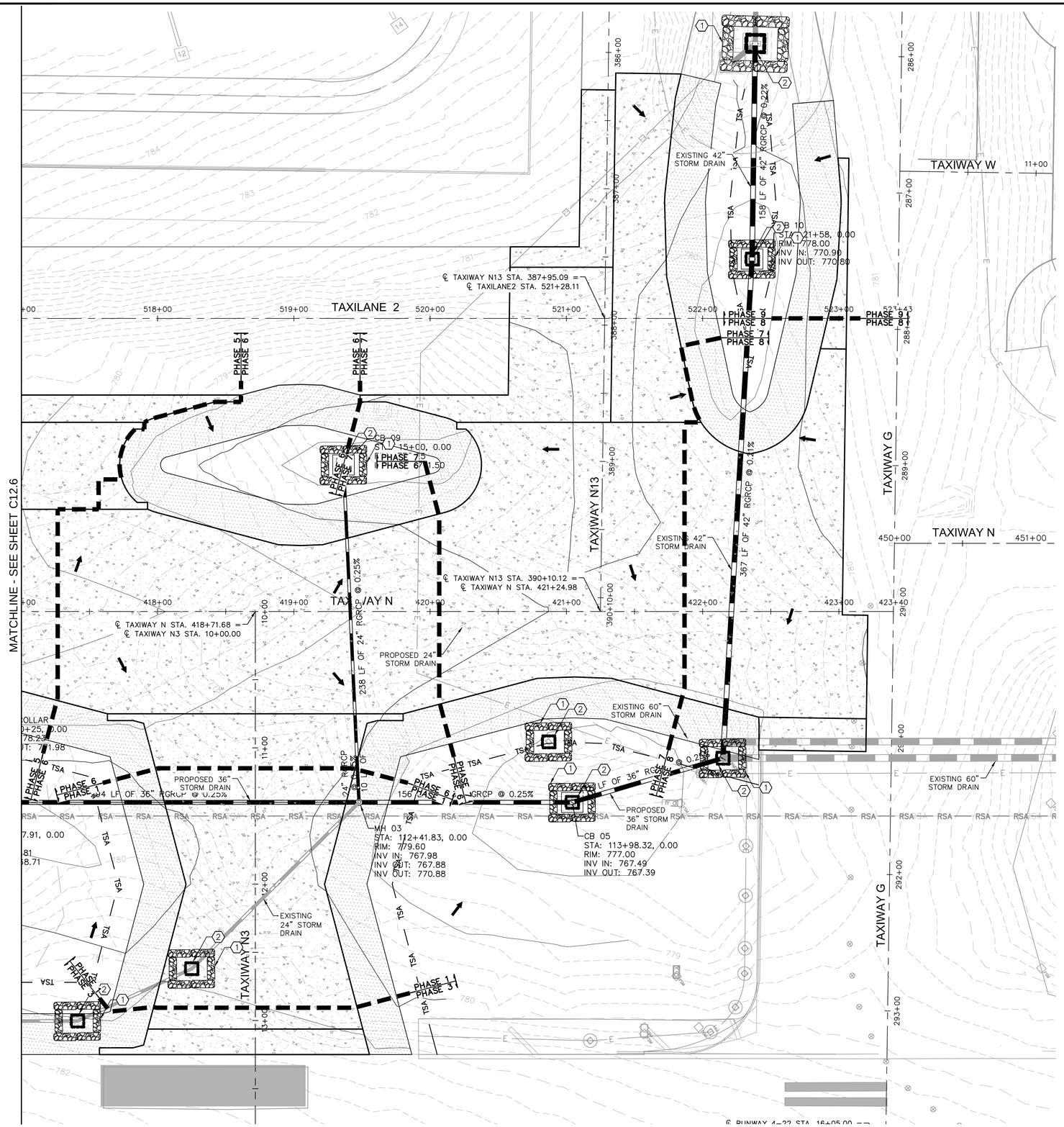

LEGEND

- PORTLAND CEMENT CONCRETE PAVEMENT
- PORTLAND CEMENT CONCRETE TRANSITION
- ASPHALT CONCRETE SHOULDER PAVEMENT
- ASPHALT CONCRETE PAPI ROAD PAVEMENT
- PROPOSED SEEDING AREA
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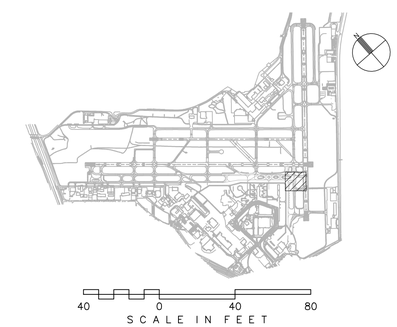
CONSTRUCTION NOTES

1. INSTALL ROCK FILTER DAM PER DETAIL SHEET C12.3.
2. INSTALL CATCH BASIN PROTECTION PER DETAIL SHEET C12.4.
3. INSTALL SEDIMENT CONTROL FENCE PER DETAIL SHEET C12.3.



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601 NW LOOP 410, SUITE 350
SAN ANTONIO, TEXAS 78216
PHONE: (210) 541-9166

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TERMINAL AREA TAXIWAY IMPROVEMENTS - (PACKAGE 3)

MICHAEL A. NORBY 87178 REGISTERED PROFESSIONAL ENGINEER
05/18/15

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STORM WATER POLLUTION PREVENTION PLAN - ALTERNATE 1

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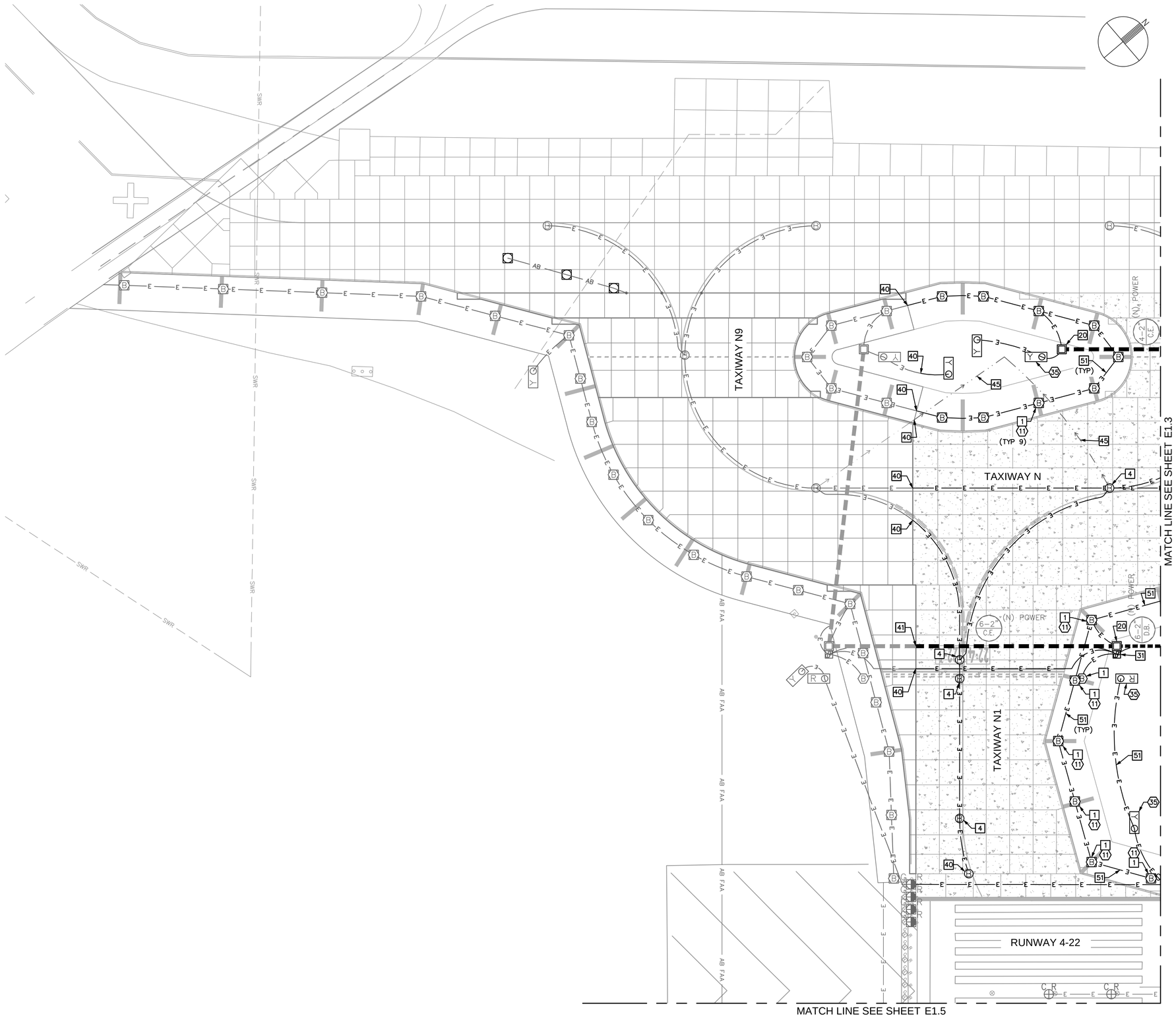


ELECTRICAL CONSTRUCTION NOTES

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. SEE DATA TABLES IN E2 SERIES DRAWINGS FOR LOCATION & DETAIL DATA.

31 NEW 2-CAN JUNCTION CAN PLAZA, SEE DETAILS ON DRAWING E3.8.

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

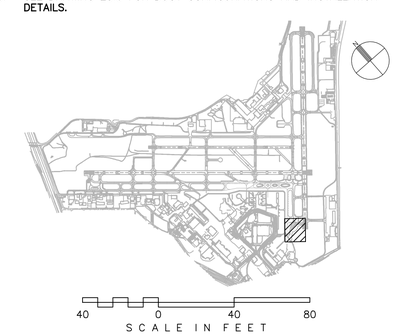
41 CONNECT NEW DUCT TO EXISTING DUCT AS SHOWN. INSTALL NEW CONDUCTORS. SEE CIRCUIT MAPS, E4 SERIES DRAWINGS.

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) CABLES (ITEM L-108) IN (N) 2" CONDUIT, DIRECT BURIAL (ITEM L-110), FROM HANDHOLE OR JUNCTION CAN PLAZA, TO OR BETWEEN SIGNS, EDGE LIGHTS, OR WIND CONES. COORDINATE WITH E4 SERIES DRAWINGS FOR CIRCUIT CONTENT.

GENERAL NOTES

1. SEE DWG E2.2 & E2.2A DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
2. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
3. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.
4. SEE E6 SERIES DRAWINGS FOR ELECTRICAL DEMOLITION PLANS.
5. SEE DRAWING E3.6 FOR DUCT CONFIGURATIONS AND INSTALLATION DETAILS.



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

ISSUE:	----
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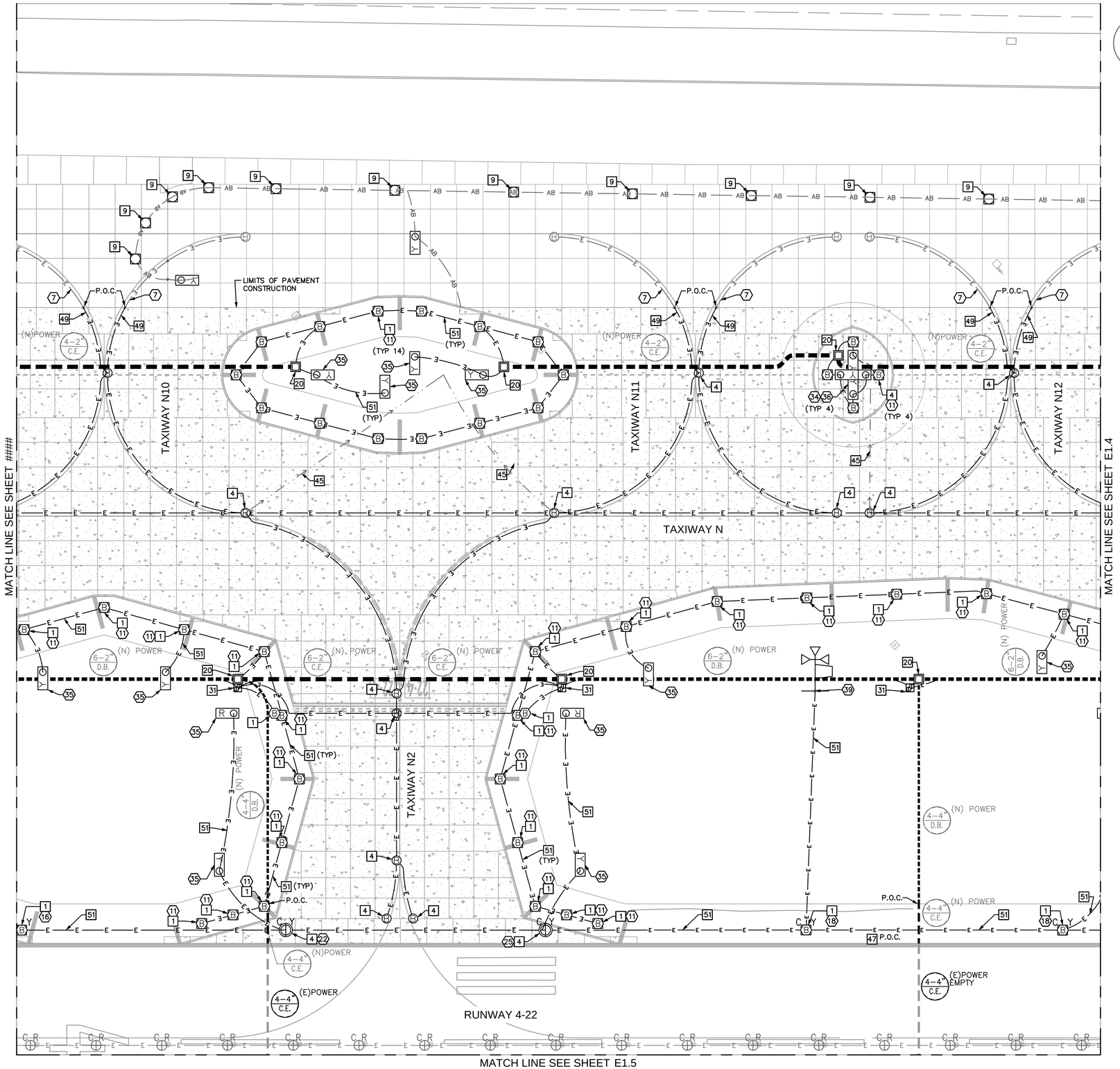
ELECTRICAL LAYOUT PLAN - ALTERNATE 1

E1.2

K:\PEN_Aviation\191629001-SAT Rwy & Twy Improvements\05 CADD_PACKAGE 3_33-00193-R1EE-101.dwg May 18, 2015 Peterson, Cory



ELECTRICAL CONSTRUCTION NOTES

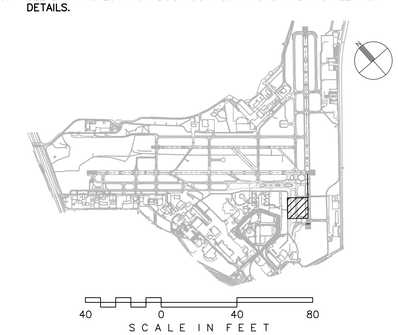
7. EXISTING EMPTY CONDUIT, PROTECT IN PLACE.
11. INSTALL NEW L-861T(LED) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
16. INSTALL NEW L-862 RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
18. REINSTALL EXISTING L-862 RUNWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER.
22. INSTALL NEW L-850C RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
25. REINSTALL EXISTING L-850C RUNWAY EDGE LIGHT WITH NEW 100 W, 20A ISOLATION TRANSFORMER.
34. SIZE 2 SIGN.
35. NEW SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION.
36. NEW SIGN AND ISOLATION TRANSFORMER ON NEW L-868 BASE CAN WITH BLANK COVER IN NEW CONCRETE PAVEMENT.
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.
9. NEW OR RELOCATED 3/4" BLANK COVER ON EXISTING L-868 BASE CAN.
20. NEW PRECAST CONCRETE HANDHOLE. SEE DATA TABLES IN E2 SERIES DRAWINGS FOR LOCATION & DETAIL DATA.
31. NEW 2-CAN JUNCTION CAN PLAZA, SEE DETAILS ON DRAWING E3.8.
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.
47. COORDINATE (N) DUCT OR CONDUIT CROSSING WITH (E) DUCT OR CONDUIT. AT CROSSING, POTHOLE VERIFY EXACT LOCATION AND DEPTH OF EXISTING FACILITY PRIOR TO TRENCH EXCAVATION.
49. CONNECT NEW 2" EMPTY CONDUIT TO EXISTING EMPTY 2" CONDUIT.
51. (N) CABLES (ITEM L-108) IN (N) 2" CONDUIT, DIRECT BURIAL (ITEM L-110), FROM HANDHOLE OR JUNCTION CAN PLAZA, TO OR BETWEEN SIGNS, EDGE LIGHTS, OR WIND CONES. COORDINATE WITH E4 SERIES DRAWINGS FOR CIRCUIT CONTENT.

GENERAL NOTES

1. SEE DWG E2.3 & E2.3A DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
2. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
3. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.
4. SEE E6 SERIES DRAWINGS FOR ELECTRICAL DEMOLITION PLANS.
5. SEE DRAWING E3.6 FOR DUCT CONFIGURATIONS AND INSTALLATION DETAILS.



CITY OF SAN ANTONIO AVIATION DEPARTMENT

SAN ANTONIO AIRPORT SYSTEM

Kimley»Horn

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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
ISSUE:		----

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FILE NAME:	_33-00193-R1EE-101
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ELECTRICAL LAYOUT PLAN - ALTERNATE 1

E1.3

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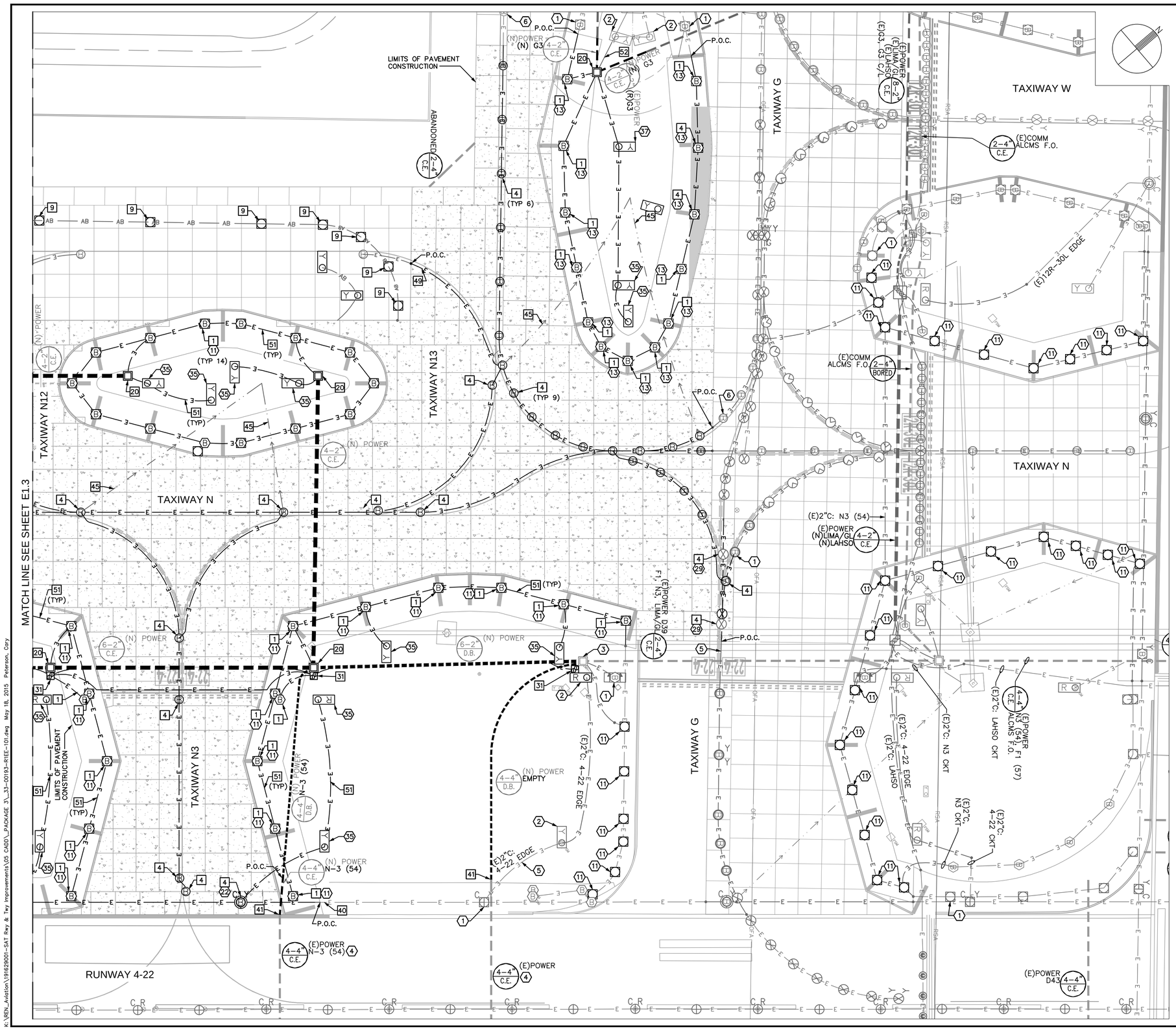


ELECTRICAL CONSTRUCTION NOTES

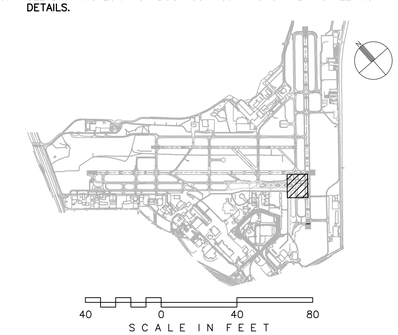
1. EXISTING LIGHT, PROTECT IN PLACE.
2. EXISTING SIGN, PROTECT IN PLACE.
3. EXISTING HANDHOLE OR PULLBOX, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. INSTALL NEW CONDUCTOR(S) AS NOTED.
5. EXISTING CONDUIT, PROTECT IN PLACE. INSTALL NEW CONDUCTOR(S) AS NOTED.
6. EXISTING BASE CAN, PROTECT IN PLACE.
11. INSTALL NEW L-861T(LED) TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
13. REINSTALL EXISTING L-861T(L) TAXIWAY EDGE LIGHT WITH NEW ISOLATION TRANSFORMER.
22. INSTALL NEW L-850C RUNWAY EDGE LIGHT AND ISOLATION TRANSFORMER.
29. REINSTALL EXISTING L-852A TAXIWAY CENTERLINE LIGHT WITH NEW ISOLATION TRANSFORMER.
35. NEW SIGN AND ISOLATION TRANSFORMER ON NEW CONCRETE FOUNDATION.
37. RELOCATE AND REINSTALL SIGN WITH NEW 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 OR RELOCATED 3/4" BLANK COVER ON EXISTING L-868 BASE CAN.
20. NEW PRECAST CONCRETE HANDHOLE. SEE DATA TABLES IN E2 SERIES DRAWINGS FOR LOCATION & DETAIL DATA.
31. NEW 2-CAN JUNCTION CAN PLAZA, 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.
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) CABLES (ITEM L-108) IN (N) 2" CONDUIT, DIRECT BURIAL (ITEM L-110), FROM HANDHOLE OR JUNCTION CAN PLAZA, TO OR BETWEEN SIGNS, EDGE LIGHTS, OR WIND CONES. COORDINATE WITH E4 SERIES DRAWINGS FOR CIRCUIT CONTENT.
52. INSTALL NEW 2"C (ITEM L-110) TO EXISTING 2" DRAIN. SEE DETAILS ON E3.11.

GENERAL NOTES

1. SEE DWG E2.4 & E2.4A DATA TABLES FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS.
2. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
3. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.
4. SEE E6 SERIES DRAWINGS FOR ELECTRICAL DEMOLITION PLANS.
5. SEE DRAWING E3.6 FOR DUCT CONFIGURATIONS AND INSTALLATION DETAILS.



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STATE OF TEXAS
ERIC C. LOVEJOY
84081
LICENSED
PROFESSIONAL ENGINEER

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ELECTRICAL LAYOUT PLAN - ALTERNATE 1

E1.4

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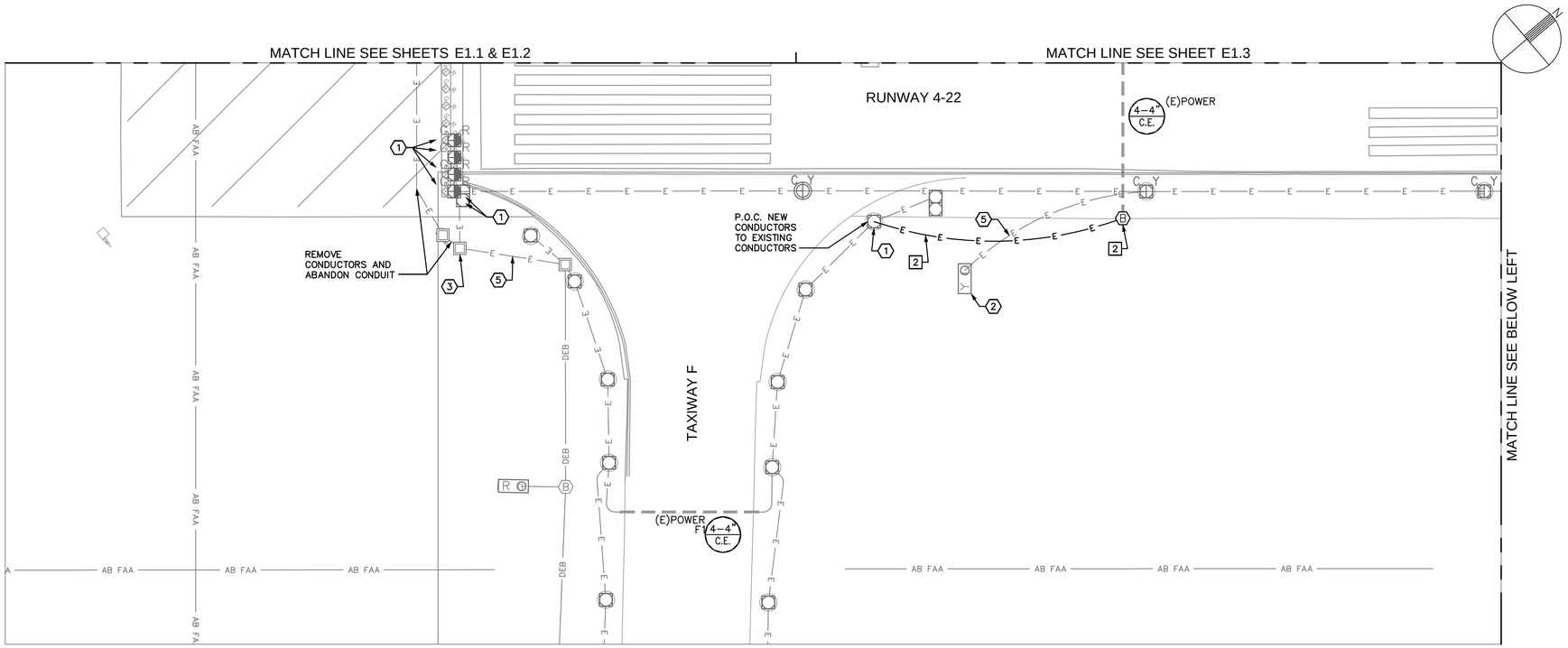
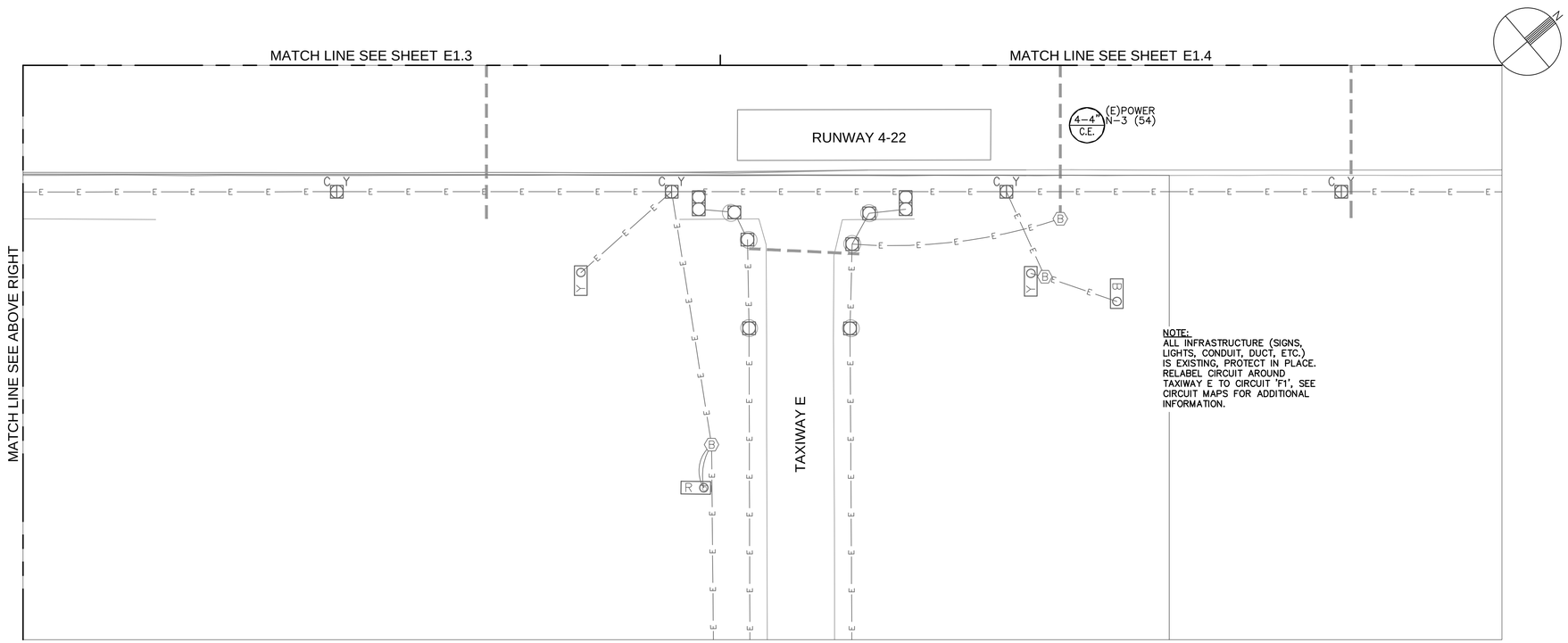




NOTE:
ALL INFRASTRUCTURE (SIGNS, LIGHTS, CONDUIT, DUCT, ETC.) IS EXISTING, PROTECT IN PLACE. RELABEL CIRCUIT AROUND TAXIWAY E TO CIRCUIT 'F1', SEE CIRCUIT MAPS FOR ADDITIONAL INFORMATION.

ELECTRICAL CONSTRUCTION NOTES

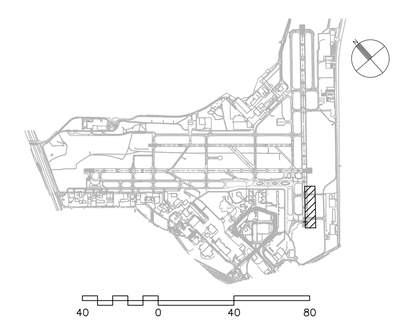
1. EXISTING LIGHT, PROTECT IN PLACE.
2. EXISTING SIGN, PROTECT IN PLACE.
3. EXISTING HANDHOLE OR PULLBOX, PROTECT IN PLACE.
5. EXISTING CONDUIT, PROTECT IN PLACE. INSTALL NEW CONDUCTOR(S) AS NOTED.

BASE CAN, FOUNDATION & CONDUIT NOTES

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

GENERAL NOTES

1. SEE CIRCUIT MAPS E4 SERIES DRAWINGS FOR NEW OR TEMPORARY CIRCUITS AND FIXTURES.
2. SEE DRAWING E3.6 FOR DUCT CONFIGURATIONS AND INSTALLATION DETAILS.



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

ISSUE:	----
PROJECT NO:	33-00178 and 33-00193
FILE NAME:	_33-00193-R1EE-101
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ELECTRICAL LAYOUT PLAN - ALTERNATE 1

E1.5

SHEET NO. 123 OF 140

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E2.2 L–867 DATA TABLE				
FIXT–NUM	STA	OFF	DETAIL	FAA–TYPE
54–TE–020	STA. 409+17.41	310.00' RT.	E3.3	L–867B FOR L–861T
54–TE–021	STA. 408+69.81	296.87' RT.	E3.3	L–867B FOR L–861T
54–TE–022	STA. 408+56.45	248.43' RT.	E3.3	L–867B FOR L–861T
54–TE–023	STA. 408+43.09	200.00' RT.	E3.3	L–867B FOR L–861T
54–TE–024	STA. 408+56.45	151.57' RT.	E3.3	L–867B FOR L–861T
54–TE–025	STA. 408+69.81	103.13' RT.	E3.3	L–867B FOR L–861T
54–TE–070	STA. 408+71.87	132.64' LT.	E3.3	L–867B FOR L–861T
54–TE–071	STA. 408+27.53	144.34' LT.	E3.3	L–867B FOR L–861T
54–TE–072	STA. 407+83.20	156.05' LT.	E3.3	L–867B FOR L–861T
54–TE–073	STA. 407+50.16	156.05' LT.	E3.3	L–867B FOR L–861T
54–TE–079	STA. 407+50.16	58.95' LT.	E3.3	L–867B FOR L–861T
54–TE–080	STA. 407+83.20	58.95' LT.	E3.3	L–867B FOR L–861T
54–TE–081	STA. 408+27.53	70.66' LT.	E3.3	L–867B FOR L–861T
54–TE–082	STA. 408+71.87	82.36' LT.	E3.3	L–867B FOR L–861T
54–TE–083	STA. 408+91.23	107.50' LT.	E3.3	L–867B FOR L–861T
GL–TN–02	STA. 408+62.07	150.00' RT.	E3.3	L–867B FOR L–861T

E2.2 L–868 DATA TABLE				
FIXT–NUM	STA	OFF	DETAIL	FAA–TYPE
TN1–CL–011	STA. 407+64.18	135.00' RT.	E3.4	L–868 W/ COVER
TN1–CL–021	STA. 407+64.18	262.00' RT.	E3.5 ECCENTRIC CORE	L–868 W/ COVER
TN1–CL–022	STA. 407+71.49	306.25' RT.	E3.5 ECCENTRIC CORE	L–868 W/ COVER
TN1–RGL–06	STA. 407+64.20	150.00' RT.	E3.5 ECCENTRIC CORE	L–868 W/ COVER
TN–CL–091	STA. 408+84.18	2.50' LT.	E3.4	L–868 W/ COVER

E2.2 SIGN DATA TABLE						
SIGN–NUM	STA	OFF	DETAIL	CIRCUIT	MODULES	SIZE
S–120	STA. 409+04.02	270.00' RT.	E3.1		RT858Y2M	MODE 2
S–121	STA. 408+93.19	150.00' RT.	E3.1	4–22 EDGE	RT858R4M	MODE 2
S–403	STA. 407+55.34	93.78' LT.	E3.1		RT858Y2M	MODE 2
S–404	STA. 407+78.02	121.22' LT.	E3.1		RT858Y2M	MODE 2
S–405	STA. 408+29.97	107.50' LT.	E3.1		RT858Y1M	MODE 2

E2.2 HANDHOLE DATA TABLE			
HH–NUM	STA	OFF	DETAIL
EHH–TN–02	STA. 408+89.98	124.00' RT.	E3.8
EHH–TN10–1	STA. 408+45.91	113.64' LT.	E3.7

CIRCUIT DESIGNATION SCHEDULE

CIRCUIT NAME	FIELD CIRUIT NUMBER	ALCS NUMBER	REMARKS
WEST VAULT:			
12R–30L EDGE	31	16	MODIFIED CIRCUIT
12R CENTERLINE	30	15	MODIFIED CIRCUIT
30L CENTERLINE	32	17	MODIFIED CIRCUIT
12R TDZ	33	18	MODIFIED CIRCUIT
12L–30R EDGE	35	19	EXISTING CIRCUIT
ALPHA	11	2	EXISTING CIRCUIT
BRAVO	12	1	EXISTING CIRCUIT
G–1	2	12	EXISTING CIRCUIT
G–2	4	7	EXISTING CIRCUIT
G–3	6	8	MODIFIED CIRCUIT
G CENTERLINE WEST	16	13	MODIFIED CIRCUIT
G CENTERLINE EAST	15	14	EXISTING CIRCUIT
G–3 CENTERLINE TO LAHSO	N/A	6	EXISTING CIRCUIT
LAHSO STOP BAR	N/A	27	EXISTING CIRCUIT
H–1 WEST	13	11	EXISTING CIRCUIT
H–2 EAST	14	9	EXISTING CIRCUIT
JULIET	9	3	EXISTING CIRCUIT
LIMA ON 24/7	10	5	EXISTING CIRCUIT
MIKE	7	4	EXISTING CIRCUIT
ROMEO	8	20	EXISTING CIRCUIT
SIERRA R/C	N/A	20	EXISTING CIRCUIT
EAST VAULT:			
4–22 EDGE	N/A	41	EXISTING CIRCUIT
4 CENTERLINE	N/A	43	EXISTING CIRCUIT
22 CENTERLINE	N/A	42	EXISTING CIRCUIT
DELTA	56	35	EXISTING CIRCUIT
FOXTROT	57	34	MODIFIED CIRCUIT
N–1	52	36	EXISTING CIRCUIT
N–2	53	37	EXISTING CIRCUIT
N–3	54	32	EXISTING CIRCUIT
NEW CARGO	51	31	EXISTING CIRCUIT
QUEBEC	55	33	EXISTING CIRCUIT

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TERMINAL AREA TAXIWAY
IMPROVEMENTS -
(PACKAGE 3)

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ERIC C. LOVEJOY
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ELECTRICAL
FIXTURE
LAYOUT PLAN -
ALTERNATE 1

E2.2A

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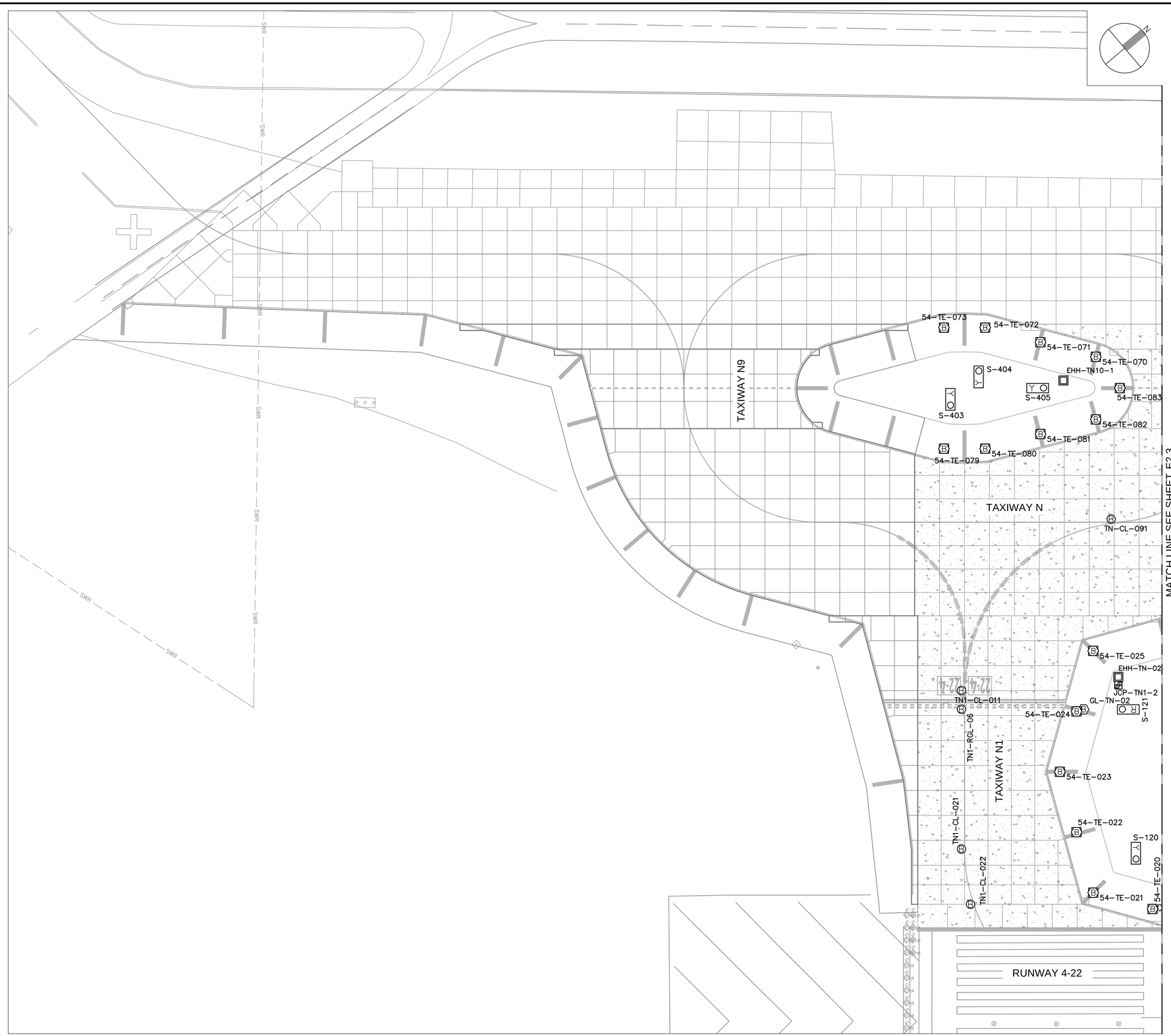
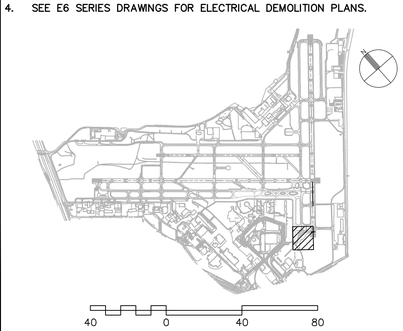


ELECTRICAL CONSTRUCTION NOTES

BASE CAN, FOUNDATION & CONDUIT NOTES

GENERAL NOTES

1. SEE DATA TABLES ON DRAWING E2.2A FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS. ALL ELEMENTS ON THIS DRAWING ARE LOCATED PER "Taxiway N" ALIGNMENT.
2. SEE E1 SERIES DRAWINGS FOR NEW ELECTRICAL SYSTEM LAYOUT PLANS.
3. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.
4. SEE E6 SERIES DRAWINGS FOR ELECTRICAL DEMOLITION PLANS.



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ELECTRICAL
FIXTURE DATA
TABLES -
ALTERNATE 1

E2.2

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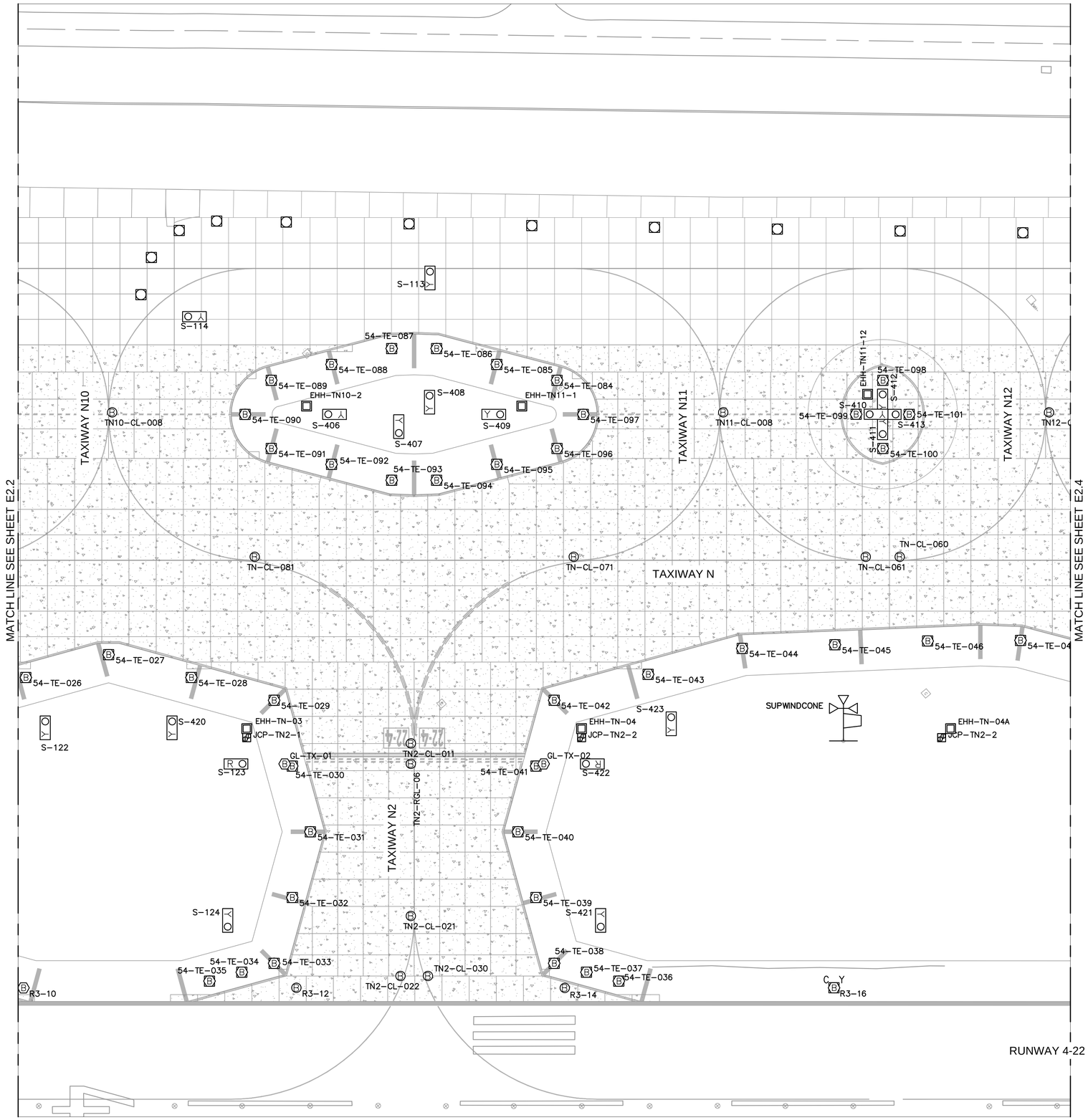
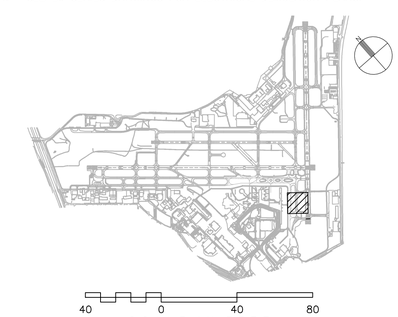


ELECTRICAL CONSTRUCTION NOTES

BASE CAN, FOUNDATION & CONDUIT NOTES

GENERAL NOTES

1. SEE DATA TABLES ON DRAWING E2.3A FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS. ALL ELEMENTS ON THIS DRAWING ARE LOCATED PER "Taxiway N" ALIGNMENT.
2. SEE E1 SERIES DRAWINGS FOR NEW ELECTRICAL SYSTEM LAYOUT PLANS.
3. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.
4. SEE E6 SERIES DRAWINGS FOR ELECTRICAL DEMOLITION PLANS.



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ELECTRICAL
FIXTURE
LAYOUT PLAN -
ALTERNATE 1

E2.3

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E2.3 L-867 DATA TABLE

FIXT-NUM	STA	OFF	DETAIL	FAA-TYPE
54-TE-026	STA. 409+30.74	86.32' RT.	E3.3	L-867B FOR L-861T
54-TE-027	STA. 409+91.68	69.51' RT.	E3.3	L-867B FOR L-861T
54-TE-028	STA. 410+52.61	86.32' RT.	E3.3	L-867B FOR L-861T
54-TE-029	STA. 411+13.55	103.13' RT.	E3.3	L-867B FOR L-861T
54-TE-030	STA. 411+26.91	151.57' RT.	E3.3	L-867B FOR L-861T
54-TE-031	STA. 411+40.27	200.00' RT.	E3.3	L-867B FOR L-861T
54-TE-032	STA. 411+26.91	248.43' RT.	E3.3	L-867B FOR L-861T
54-TE-033	STA. 411+13.55	296.87' RT.	E3.3	L-867B FOR L-861T
54-TE-034	STA. 410+89.75	303.43' RT.	E3.3	L-867B FOR L-861T
54-TE-035	STA. 410+65.95	310.00' RT.	E3.3	L-867B FOR L-861T
54-TE-036	STA. 413+67.41	310.00' RT.	E3.3	L-867B FOR L-861T
54-TE-037	STA. 413+43.61	303.43' RT.	E3.3	L-867B FOR L-861T
54-TE-038	STA. 413+19.81	296.87' RT.	E3.3	L-867B FOR L-861T
54-TE-039	STA. 413+06.45	248.43' RT.	E3.3	L-867B FOR L-861T
54-TE-040	STA. 412+93.09	200.00' RT.	E3.3	L-867B FOR L-861T
54-TE-041	STA. 413+06.45	151.57' RT.	E3.3	L-867B FOR L-861T
54-TE-042	STA. 413+19.81	103.13' RT.	E3.3	L-867B FOR L-861T
54-TE-043	STA. 413+89.02	84.04' RT.	E3.3	L-867B FOR L-861T
54-TE-044	STA. 414+58.23	64.95' RT.	E3.3	L-867B FOR L-861T
54-TE-045	STA. 415+26.55	62.18' RT.	E3.3	L-867B FOR L-861T
54-TE-046	STA. 415+94.87	59.42' RT.	E3.3	L-867B FOR L-861T
54-TE-047	STA. 416+63.20	58.95' RT.	E3.3	L-867B FOR L-861T
54-TE-048	STA. 417+22.35	74.57' RT.	E3.3	L-867B FOR L-861T
54-TE-084	STA. 413+21.87	132.64' LT.	E3.3	L-867B FOR L-861T
54-TE-085	STA. 412+77.53	144.34' LT.	E3.3	L-867B FOR L-861T
54-TE-086	STA. 412+33.20	156.05' LT.	E3.3	L-867B FOR L-861T
54-TE-087	STA. 412+00.16	156.05' LT.	E3.3	L-867B FOR L-861T
54-TE-088	STA. 411+55.82	144.34' LT.	E3.3	L-867B FOR L-861T
54-TE-089	STA. 411+11.49	132.64' LT.	E3.3	L-867B FOR L-861T
54-TE-090	STA. 410+92.12	107.50' LT.	E3.3	L-867B FOR L-861T
54-TE-091	STA. 411+11.49	82.36' LT.	E3.3	L-867B FOR L-861T
54-TE-092	STA. 411+55.82	70.66' LT.	E3.3	L-867B FOR L-861T
54-TE-093	STA. 412+00.16	58.95' LT.	E3.3	L-867B FOR L-861T
54-TE-094	STA. 412+33.20	58.95' LT.	E3.3	L-867B FOR L-861T
54-TE-095	STA. 412+77.53	70.66' LT.	E3.3	L-867B FOR L-861T
54-TE-096	STA. 413+21.87	82.36' LT.	E3.3	L-867B FOR L-861T
54-TE-097	STA. 413+41.23	107.50' LT.	E3.3	L-867B FOR L-861T
54-TE-098	STA. 415+61.87	132.64' LT.	E3.3	L-867B FOR L-861T
54-TE-099	STA. 415+42.12	107.58' LT.	E3.3	L-867B FOR L-861T
54-TE-100	STA. 415+61.87	82.36' LT.	E3.3	L-867B FOR L-861T
54-TE-101	STA. 415+81.23	107.50' LT.	E3.3	L-867B FOR L-861T
GL-TX-01	STA. 411+21.29	150.00' RT.	E3.3	L-867B FOR L-861T
GL-TX-02	STA. 413+12.07	150.00' RT.	E3.3	L-867B FOR L-861T
R3-10	STA. 409+28.94	315.00' RT.	E3.3	L-867B FOR L-862
R3-16	STA. 415+25.89	314.93' RT.	E3.3	L-867B FOR L-862
R3-18	STA. 417+21.26	315.00' RT.	E3.3	L-867B FOR L-862

E2.3 L-868 DATA TABLE

FIXT-NUM	STA	OFF	DETAIL	FAA-TYPE
R3-12	STA. 411+29.90	314.98' RT.	E3.4	L-868 FOR L-850C
R3-14	STA. 413+27.52	315.00' RT.	E3.4	L-868 FOR L-850C
TN11-CL-008	STA. 414+44.19	108.97' LT.	E3.4	L-868 W/ COVER
TN12-CL-008	STA. 416+84.19	108.97' LT.	E3.4	L-868 W/ COVER
TN2-CL-011	STA. 412+14.18	135.00' RT.	E3.4	L-868 W/ COVER
TN2-CL-021	STA. 412+14.18	262.00' RT.	E3.4	L-868 W/ COVER
TN2-CL-022	STA. 412+06.57	306.25' RT.	E3.4	L-868 W/ COVER
TN2-CL-030	STA. 412+26.78	306.25' RT.	E3.4	L-868 W/ COVER
TN2-RGL-06	STA. 412+14.18	150.00' RT.	E3.5 ECCENTRIC CORE	L-868 W/ COVER
TN-CL-060	STA. 415+74.18	2.50' LT.	E3.4	L-868 W/ COVER
TN-CL-061	STA. 415+49.18	2.50' LT.	E3.4	L-868 W/ COVER
TN-CL-071	STA. 413+34.18	2.50' LT.	E3.4	L-868 W/ COVER
TN-CL-081	STA. 410+99.18	2.50' LT.	E3.4	L-868 W/ COVER

E2.3 SIGN DATA TABLE

SIGN-NUM	STA	OFF	DETAIL	CIRCUIT	MODULES	SIZE
S-123	STA. 410+90.17	150.00' RT.	E3.1	4-22 EDGE	RT858R4M	MODE 2
S-124	STA. 410+79.33	270.00' RT.	E3.1		RT858Y2M	MODE 2
S-122	STA. 409+44.97	118.70' RT.	E3.1		RT858Y3M	MODE 2
S-420	STA. 410+38.38	118.70' RT.	E3.1		RT858Y3M	MODE 2
S-423	STA. 414+05.96	115.67' RT.	E3.1		RT858Y2M	MODE 2
S-424	STA. 417+05.44	106.30' RT.	E3.1		RT858Y2M	MODE 2
S-421	STA. 413+54.02	270.00' RT.	E3.1		RT858Y2M	MODE 2
S-422	STA. 413+43.19	150.00' RT.	E3.1	4-22 EDGE	RT858R4M	MODE 2
S-412	STA. 415+61.68	122.14' LT.	E3.2		RT858Y2M	MODE 2
S-413	STA. 415+71.23	107.50' LT.	E3.2		RT858Y2M	MODE 2
S-410	STA. 415+52.12	107.55' LT.	E3.2		RT858Y3M	MODE 2
S-411	STA. 415+61.68	92.94' LT.	E3.2		RT858Y3M	MODE 2
S-407	STA. 412+05.34	93.78' LT.	E3.1		RT858Y3M	MODE 2
S-406	STA. 411+53.38	107.50' LT.	E3.1		RT858Y3M	MODE 2
S-408	STA. 412+28.02	121.22' LT.	E3.1		RT858Y2M	MODE 2
S-409	STA. 412+79.97	107.50' LT.	E3.1		RT858Y2M	MODE 2

E2.3 HANDHOLE DATA TABLE

HH-NUM	STA	OFF	DETAIL
EHH-TN-03	STA. 410+93.37	124.00' RT.	E3.8
EHH-TN-04	STA. 413+39.98	124.00' RT.	E3.8
EHH-TN-04A	STA. 416+11.70	124.00' RT.	E3.8
EHH-TN10-2	STA. 411+37.45	113.64' LT.	E3.7
EHH-TN11-1	STA. 412+95.91	113.64' LT.	E3.7
EHH-TN11-12	STA. 415+50.58	122.35' LT.	E3.7

CIRCUIT DESIGNATION SCHEDULE

CIRCUIT NAME	FIELD CIRUIT NUMBER	ALCS NUMBER	REMARKS
WEST VAULT:			
12R-30L EDGE	31	16	MODIFIED CIRCUIT
12R CENTERLINE	30	15	MODIFIED CIRCUIT
30L CENTERLINE	32	17	MODIFIED CIRCUIT
12R TDZ	33	18	MODIFIED CIRCUIT
12L-30R EDGE	35	19	EXISTING CIRCUIT
ALPHA	11	2	EXISTING CIRCUIT
BRAVO	12	1	EXISTING CIRCUIT
G-1	2	12	EXISTING CIRCUIT
G-2	4	7	EXISTING CIRCUIT
G-3	6	8	MODIFIED CIRCUIT
G CENTERLINE WEST	16	13	MODIFIED CIRCUIT
G CENTERLINE EAST	15	14	EXISTING CIRCUIT
G-3 CENTERLINE TO LAHSO	N/A	6	EXISTING CIRCUIT
LAHSO STOP BAR	N/A	27	EXISTING CIRCUIT
H-1 WEST	13	11	EXISTING CIRCUIT
H-2 EAST	14	9	EXISTING CIRCUIT
JULIET	9	3	EXISTING CIRCUIT
LIMA ON 24/7	10	5	EXISTING CIRCUIT
MIKE	7	4	EXISTING CIRCUIT
ROMEO	8	20	EXISTING CIRCUIT
SIERRA R/C	N/A	20	EXISTING CIRCUIT
EAST VAULT:			
4-22 EDGE	N/A	41	EXISTING CIRCUIT
4 CENTERLINE	N/A	43	EXISTING CIRCUIT
22 CENTERLINE	N/A	42	EXISTING CIRCUIT
DELTA	56	35	EXISTING CIRCUIT
FOXTROT	57	34	MODIFIED CIRCUIT
N-1	52	36	EXISTING CIRCUIT
N-2	53	37	EXISTING CIRCUIT
N-3	54	32	EXISTING CIRCUIT
NEW CARGO	51	31	EXISTING CIRCUIT
QUEBEC	55	33	EXISTING CIRCUIT

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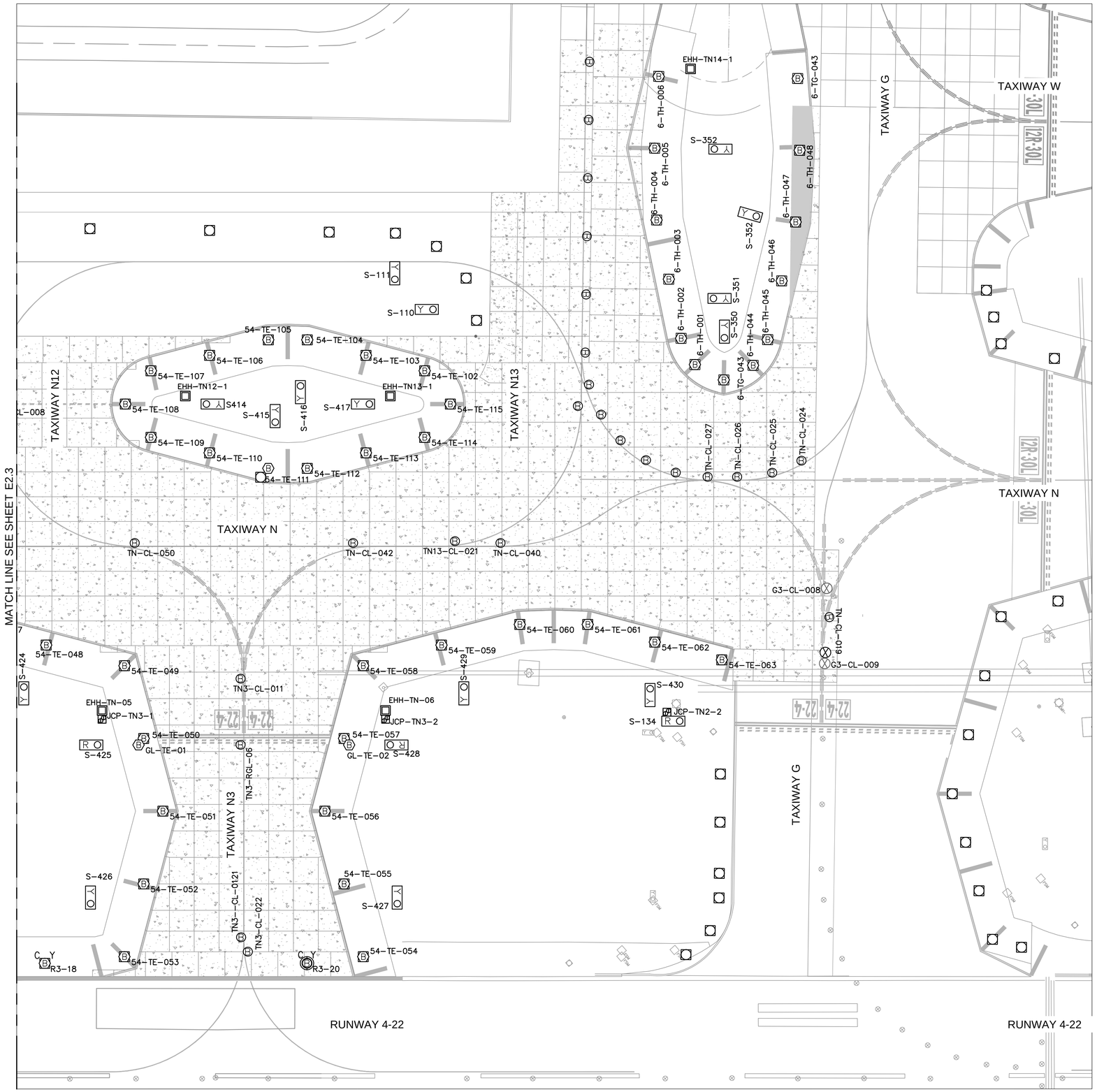
ELECTRICAL FIXTURE DATA TABLES - ALTERNATE 1

E2.3A

K:\REN_Aviation\191629001-SAT Rwy & Twy Improvements\05 CADD_PACKAGE 3_33-00193-R1EE-101.dwg May 18, 2015 Peterson, Cary

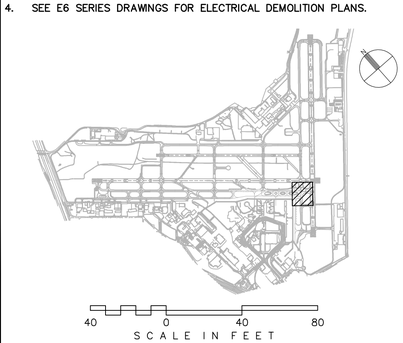


ELECTRICAL CONSTRUCTION NOTES

BASE CAN, FOUNDATION & CONDUIT NOTES

GENERAL NOTES

1. SEE DATA TABLES ON DRAWING E2.4A FOR NEW FIXTURE, HANDHOLE, JUNCTION CAN, BASE CAN, AND SIGN FOUNDATION LOCATIONS. ALL ELEMENTS ON THIS DRAWING ARE LOCATED PER "Taxiway N" ALIGNMENT.
2. SEE E1 SERIES DRAWINGS FOR NEW ELECTRICAL SYSTEM LAYOUT PLANS.
3. SEE E5 SERIES DRAWINGS FOR AIRFIELD SIGN LEGENDS.
4. SEE E6 SERIES DRAWINGS FOR ELECTRICAL DEMOLITION PLANS.



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

ISSUE:	----
PROJECT NO:	33-00178 and 33-00193
FILE NAME:	_33-00193-R1EE-101
DRAWN BY:	CMP
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SHEET TITLE:

ELECTRICAL
FIXTURE
LAYOUT PLAN -
ALTERNATE 1

E2.4

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E2.4 L-867 DATA TABLE

FIXT-NUM	STA	OFF	DETAIL	FAA-TYPE
54-TE-049	STA. 417+81.49	90.18' RT.	E3.3	L-867B FOR L-861T
54-TE-050	STA. 417+95.99	145.09' RT.	E3.3	L-867B FOR L-861T
54-TE-051	STA. 418+10.49	200.00' RT.	E3.3	L-867B FOR L-861T
54-TE-052	STA. 417+95.97	255.00' RT.	E3.3	L-867B FOR L-861T
54-TE-053	STA. 417+81.45	310.00' RT.	E3.3	L-867B FOR L-861T
54-TE-054	STA. 419+61.91	310.00' RT.	E3.3	L-867B FOR L-861T
54-TE-055	STA. 419+47.39	255.00' RT.	E3.3	L-867B FOR L-861T
54-TE-056	STA. 419+32.87	200.00' RT.	E3.3	L-867B FOR L-861T
54-TE-057	STA. 419+47.36	145.09' RT.	E3.3	L-867B FOR L-861T
54-TE-058	STA. 419+61.86	90.18' RT.	E3.3	L-867B FOR L-861T
54-TE-059	STA. 420+21.01	74.57' RT.	E3.3	L-867B FOR L-861T
54-TE-060	STA. 420+80.16	58.95' RT.	E3.3	L-867B FOR L-861T
54-TE-061	STA. 421+31.52	58.95' RT.	E3.3	L-867B FOR L-861T
54-TE-062	STA. 421+82.18	72.33' RT.	E3.3	L-867B FOR L-861T
54-TE-063	STA. 422+32.83	85.70' RT.	E3.3	L-867B FOR L-861T
54-TE-102	STA. 420+08.30	132.64' LT.	E3.3	L-867B FOR L-861T
54-TE-103	STA. 419+63.96	144.34' LT.	E3.3	L-867B FOR L-861T
54-TE-104	STA. 419+19.63	156.05' LT.	E3.3	L-867B FOR L-861T
54-TE-105	STA. 418+90.16	156.05' LT.	E3.3	L-867B FOR L-861T
54-TE-106	STA. 418+45.82	144.34' LT.	E3.3	L-867B FOR L-861T
54-TE-107	STA. 418+01.49	132.64' LT.	E3.3	L-867B FOR L-861T
54-TE-108	STA. 417+82.12	107.50' LT.	E3.3	L-867B FOR L-861T
54-TE-109	STA. 418+01.49	82.36' LT.	E3.3	L-867B FOR L-861T
54-TE-110	STA. 418+45.82	70.66' LT.	E3.3	L-867B FOR L-861T
54-TE-111	STA. 418+90.16	58.95' LT.	E3.3	L-867B FOR L-861T
54-TE-112	STA. 419+19.63	58.95' LT.	E3.3	L-867B FOR L-861T
54-TE-113	STA. 419+63.96	70.66' LT.	E3.3	L-867B FOR L-861T
54-TE-114	STA. 420+08.30	82.36' LT.	E3.3	L-867B FOR L-861T
54-TE-115	STA. 420+27.66	107.50' LT.	E3.3	L-867B FOR L-861T
6-TG-043	STA. 422+90.19	353.48' LT.	E3.XX	L-867B FOR L-861T
6-TG-043	STA. 422+34.32	125.77' LT.	E3.XX	L-867B FOR L-861T
6-TH-001	STA. 422+12.51	137.38' LT.	E3.XX	L-867B FOR L-861T
6-TH-002	STA. 422+02.03	157.14' LT.	E3.XX	L-867B FOR L-861T
6-TH-003	STA. 421+92.78	201.85' LT.	E3.XX	L-867B FOR L-861T
6-TH-004	STA. 421+83.53	246.55' LT.	E3.XX	L-867B FOR L-861T
6-TH-005	STA. 421+82.06	300.82' LT.	E3.XX	L-867B FOR L-861T
6-TH-006	STA. 421+85.11	355.01' LT.	E3.XX	L-867B FOR L-861T
6-TH-044	STA. 422+56.46	136.74' LT.	E3.XX	L-867B FOR L-861T
6-TH-045	STA. 422+67.50	156.19' LT.	E3.XX	L-867B FOR L-861T
6-TH-046	STA. 422+78.06	200.61' LT.	E3.XX	L-867B FOR L-861T
6-TH-047	STA. 422+88.61	245.03' LT.	E3.XX	L-867B FOR L-861T
6-TH-048	STA. 422+91.66	299.22' LT.	E3.XX	L-867B FOR L-861T
GL-TE-01	STA. 417+92.12	150.00' RT.	E3.3	L-867B FOR L-861T
GL-TE-02	STA. 419+51.24	150.00' RT.	E3.3	L-867B FOR L-861T

E2.4 L-868 DATA TABLE

FIXT-NUM	STA	OFF	DETAIL	FAA-TYPE
G3-CL-008	STA. 423+12.04	31.65' RT.	E3.4	L-868 FOR L-852A
G3-CL-009	STA. 423+10.57	88.51' RT.	E3.4	L-868 FOR L-852A
R3-20	STA. 419+19.34	315.00' RT.	E3.4	L-868 FOR L-850C
TH-CL-01	STA. 421+29.61	146.35' LT.	E3.3	L-868
TH-CL-02	STA. 421+30.25	190.29' LT.	E3.3	L-868
TH-CL-03	STA. 421+30.89	234.24' LT.	E3.3	L-868
TH-CL-04	STA. 421+31.53	278.19' LT.	E3.3	L-868
TH-CL-05	STA. 421+32.17	322.14' LT.	E3.3	L-868
TH-CL-06	STA. 421+32.81	366.09' LT.	E3.3	L-868
TN13-CL-010	STA. 421+32.47	122.14' LT.	E3.3	L-868
TN13-CL-011	STA. 421+24.02	105.97' LT.	E3.3	L-868
TN13-CL-021	STA. 420+31.16	3.89' LT.	E3.4	L-868 W/ COVER
TN13-CL-022	STA. 421+41.55	99.53' LT.	E3.3	L-868
TN13-CL-023	STA. 421+56.22	80.07' LT.	E3.3	L-868
TN13-CL-024	STA. 421+75.46	65.12' LT.	E3.3	L-868
TN13-CL-025	STA. 421+97.94	55.71' LT.	E3.3	L-868
TN3-CL-011	STA. 418+69.18	100.00' RT.	E3.4	L-868 W/ COVER
TN3--CL-0121	STA. 418+69.60	295.32' RT.	E3.5 ECCENTRIC CORE	L-868 W/ COVER
TN3-CL-022	STA. 418+74.64	306.24' RT.	E3.5 ECCENTRIC CORE	L-868 W/ COVER
TN3-RGL-06	STA. 418+69.18	150.00' RT.	E3.5 ECCENTRIC CORE	L-868 W/ COVER
TN-CL-019	STA. 423+14.06	53.52' RT.	E3.5 ECCENTRIC CORE	L-868 W/ COVER
TN-CL-024	STA. 422+92.96	64.67' LT.	E3.4	L-868 W/ COVER
TN-CL-025	STA. 422+70.82	55.59' LT.	E3.4	L-868 W/ COVER
TN-CL-026	STA. 422+44.37	52.50' LT.	E3.4	L-868 W/ COVER
TN-CL-027	STA. 422+22.10	52.50' LT.	E3.4	L-868 W/ COVER
TN-CL-040	STA. 420+65.57	2.50' LT.	E3.4	L-868 W/ COVER
TN-CL-042	STA. 419+54.18	2.50' LT.	E3.4	L-868 W/ COVER
TN-CL-050	STA. 417+89.18	2.50' LT.	E3.4	L-868 W/ COVER

E2.4 SIGN DATA TABLE

SIGN-NUM	STA	OFF	DETAIL	CIRCUIT	MODULES	SIZE
S-134	STA. 422+00.94	132.00' RT.	E3.1	4-22 EDGE	RT858R4M	MODE 2
S-350	STA. 422+34.77	157.57' LT.	E3.1		RT858Y2M	MODE 2
S-351	STA. 422+26.43	187.31' LT.	E3.1		RT858Y2M	MODE 2
S414	STA. 418+43.38	107.50' LT.	E3.1		RT858Y3M	MODE 2
S-415	STA. 418+95.34	93.78' LT.	E3.1		RT858Y3M	MODE 2
S-416	STA. 419+14.45	121.22' LT.	E3.1		RT858Y2M	MODE 2
S-417	STA. 419+66.40	107.50' LT.	E3.1		RT858Y2M	MODE 2
S-425	STA. 417+61.09	150.00' RT.	E3.1	4-22 EDGE	RT858R4M	MODE 2
S-426	STA. 417+55.81	270.00' RT.	E3.1		RT858Y2M	MODE 2
S-427	STA. 419+87.55	270.00' RT.	E3.1		RT858Y2M	MODE 2
S-428	STA. 419+82.27	150.00' RT.	E3.1	4-22 EDGE	RT858R4M	MODE 2
S-429	STA. 420+37.92	106.30' RT.	E3.1		RT858Y2M	MODE 2
S-430	STA. 421+78.63	107.59' RT.	E3.1		RT858Y2M	MODE 2

E2.4 HANDHOLE DATA TABLE

HH-NUM	STA	OFF	DETAIL
EHH-TN-05	STA. 417+64.57	124.00' RT.	E3.8
EHH-TN-06	STA. 419+78.79	124.00' RT.	E3.8
EHH-TN12-1	STA. 418+27.45	113.64' LT.	E3.7
EHH-TN13-1	STA. 419+82.34	113.64' LT.	E3.7
EHH-TN14-1	STA. 422+09.21	360.80' LT.	E3.7

CIRCUIT DESIGNATION SCHEDULE

CIRCUIT NAME	FIELD CIRUIT NUMBER	ALCS NUMBER	REMARKS
WEST VAULT:			
12R-30L EDGE	31	16	MODIFIED CIRCUIT
12R CENTERLINE	30	15	MODIFIED CIRCUIT
30L CENTERLINE	32	17	MODIFIED CIRCUIT
12R TDZ	33	18	MODIFIED CIRCUIT
12L-30R EDGE	35	19	EXISTING CIRCUIT
ALPHA	11	2	EXISTING CIRCUIT
BRAVO	12	1	EXISTING CIRCUIT
G-1	2	12	EXISTING CIRCUIT
G-2	4	7	EXISTING CIRCUIT
G-3	6	8	MODIFIED CIRCUIT
G CENTERLINE WEST	16	13	MODIFIED CIRCUIT
G CENTERLINE EAST	15	14	EXISTING CIRCUIT
G-3 CENTERLINE TO LAHSO	N/A	6	EXISTING CIRCUIT
LAHSO STOP BAR	N/A	27	EXISTING CIRCUIT
H-1 WEST	13	11	EXISTING CIRCUIT
H-2 EAST	14	9	EXISTING CIRCUIT
JULIET	9	3	EXISTING CIRCUIT
LIMA ON 24/7	10	5	EXISTING CIRCUIT
MIKE	7	4	EXISTING CIRCUIT
ROMEO	8	20	EXISTING CIRCUIT
SIERRA R/C	N/A	20	EXISTING CIRCUIT
EAST VAULT:			
4-22 EDGE	N/A	41	EXISTING CIRCUIT
4 CENTERLINE	N/A	43	EXISTING CIRCUIT
22 CENTERLINE	N/A	42	EXISTING CIRCUIT
DELTA	56	35	EXISTING CIRCUIT
FOXTROT	57	34	MODIFIED CIRCUIT
N-1	52	36	EXISTING CIRCUIT
N-2	53	37	EXISTING CIRCUIT
N-3	54	32	EXISTING CIRCUIT
NEW CARGO	51	31	EXISTING CIRCUIT
QUEBEC	55	33	EXISTING CIRCUIT

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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

ISSUE: ----

PROJECT NO: 33-00178 and 33-00193

FILE NAME: _33-00193-R1EE-101

DRAWN BY: CMP

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ELECTRICAL FIXTURE DATA TABLES - ALTERNATE 1

E2.4A

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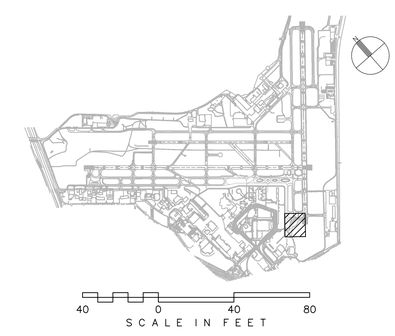
SIGN SHEET NOTES

1. NEW CONCRETE FOUNDATION INSTALLED IN THIS PHASE. SEE DETAILS ON E3.1. SEE E2 SERIES DRAWINGS FOR LOCATIONS.
4. SIGN LEGEND FOR NEW SIGN INSTALLED IN THIS PHASE ON CONCRETE FOUNDATION OR BASE ASSEMBLY.

GENERAL NOTES

1. SEE E1 SERIES DRAWINGS FOR ELECTRICAL SYSTEM LAYOUT PLANS.
2. SEE E2 SERIES DRAWINGS FOR NEW AIRFIELD SIGN LOCATIONS.



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AIRFIELD SIGN PLAN -ALTERNATE 1

E5.2

SHEET NO. 130 OF 140

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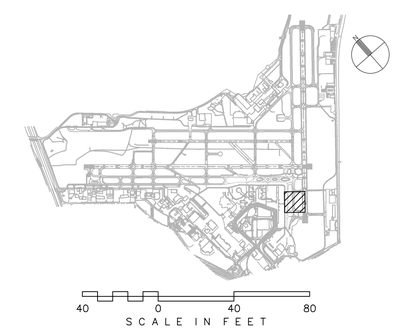
SIGN SHEET NOTES

1. NEW CONCRETE FOUNDATION INSTALLED IN THIS PHASE. SEE DETAILS ON E3.1. SEE E2 SERIES DRAWINGS FOR LOCATIONS.
2. NEW SIGN BASE ASSEMBLY IN NEW PCCP INSTALLED IN THIS PHASE. SEE DETAILS ON E3.2. SEE E2 SERIES DRAWINGS FOR LOCATIONS.
4. SIGN LEGEND FOR NEW SIGN INSTALLED IN THIS PHASE ON CONCRETE FOUNDATION OR BASE ASSEMBLY.
11. SIZE 2 SIGN FOR NO-TAXI ISLAND.

GENERAL NOTES

1. SEE E1 SERIES DRAWINGS FOR ELECTRICAL SYSTEM LAYOUT PLANS.
2. SEE E2 SERIES DRAWINGS FOR NEW AIRFIELD SIGN LOCATIONS.



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LICENSED
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AIRFIELD SIGN PLAN - ALTERNATE 1

E5.3

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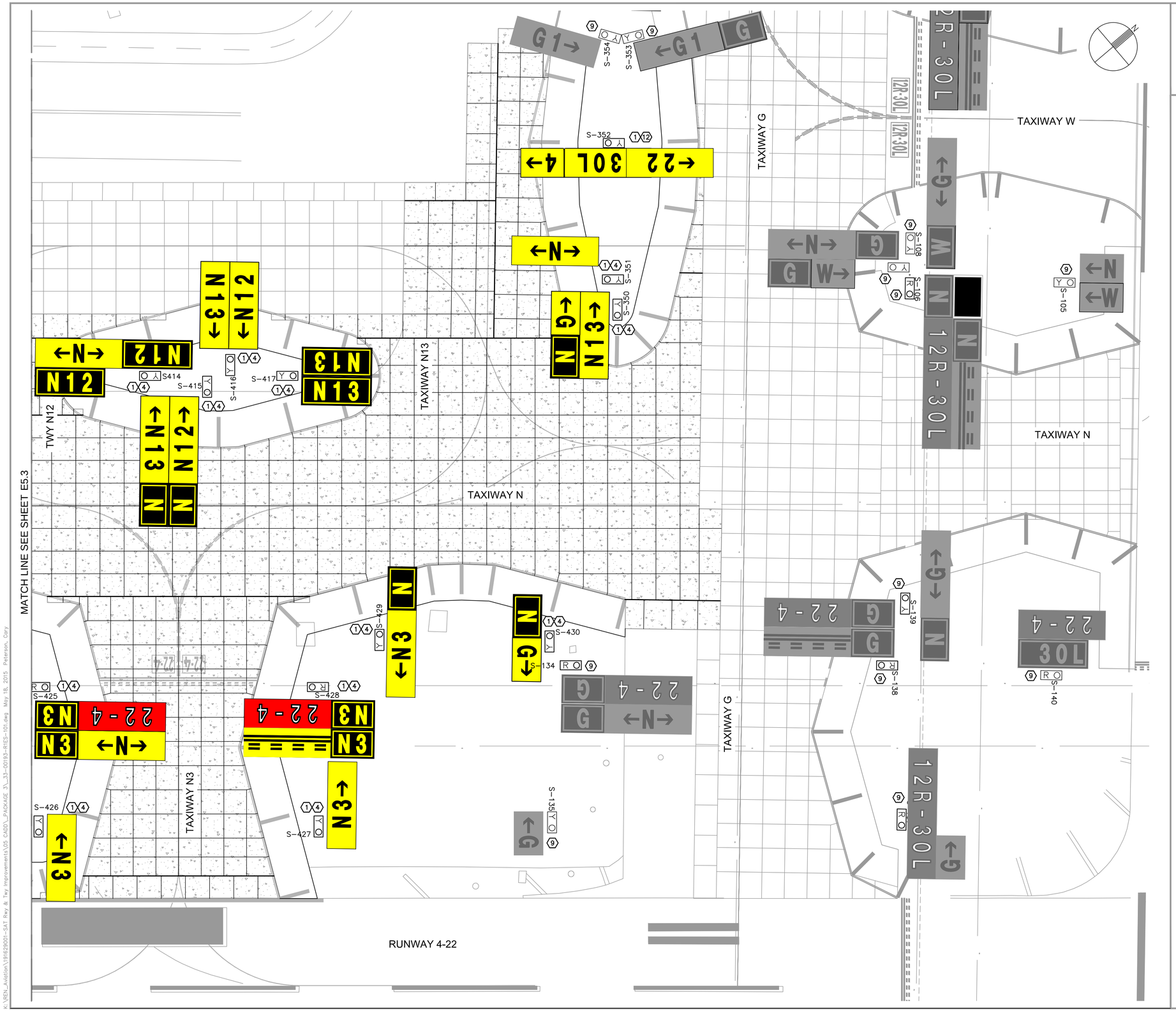
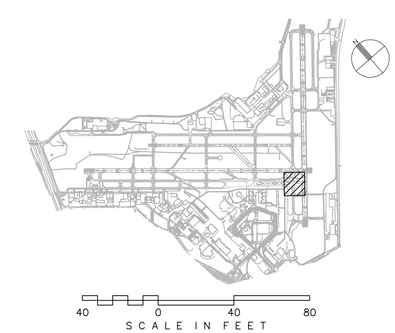


SIGN SHEET NOTES

1. NEW CONCRETE FOUNDATION INSTALLED IN THIS PHASE. SEE DETAILS ON E3.1. SEE E2 SERIES DRAWINGS FOR LOCATIONS.
4. SIGN LEGEND FOR NEW SIGN INSTALLED IN THIS PHASE ON CONCRETE FOUNDATION OR BASE ASSEMBLY.
9. EXISTING SIGN, BASE AND LEGEND TO REMAIN IN THIS PHASE.
12. EXISTING SIGN TO BE REINSTALLED.

GENERAL NOTES

1. SEE E1 SERIES DRAWINGS FOR ELECTRICAL SYSTEM LAYOUT PLANS.
2. SEE E2 SERIES DRAWINGS FOR NEW AIRFIELD SIGN LOCATIONS.



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AIRFIELD SIGN PLAN - ALTERNATE 1

E5.4

SHEET NO. 132 OF 140

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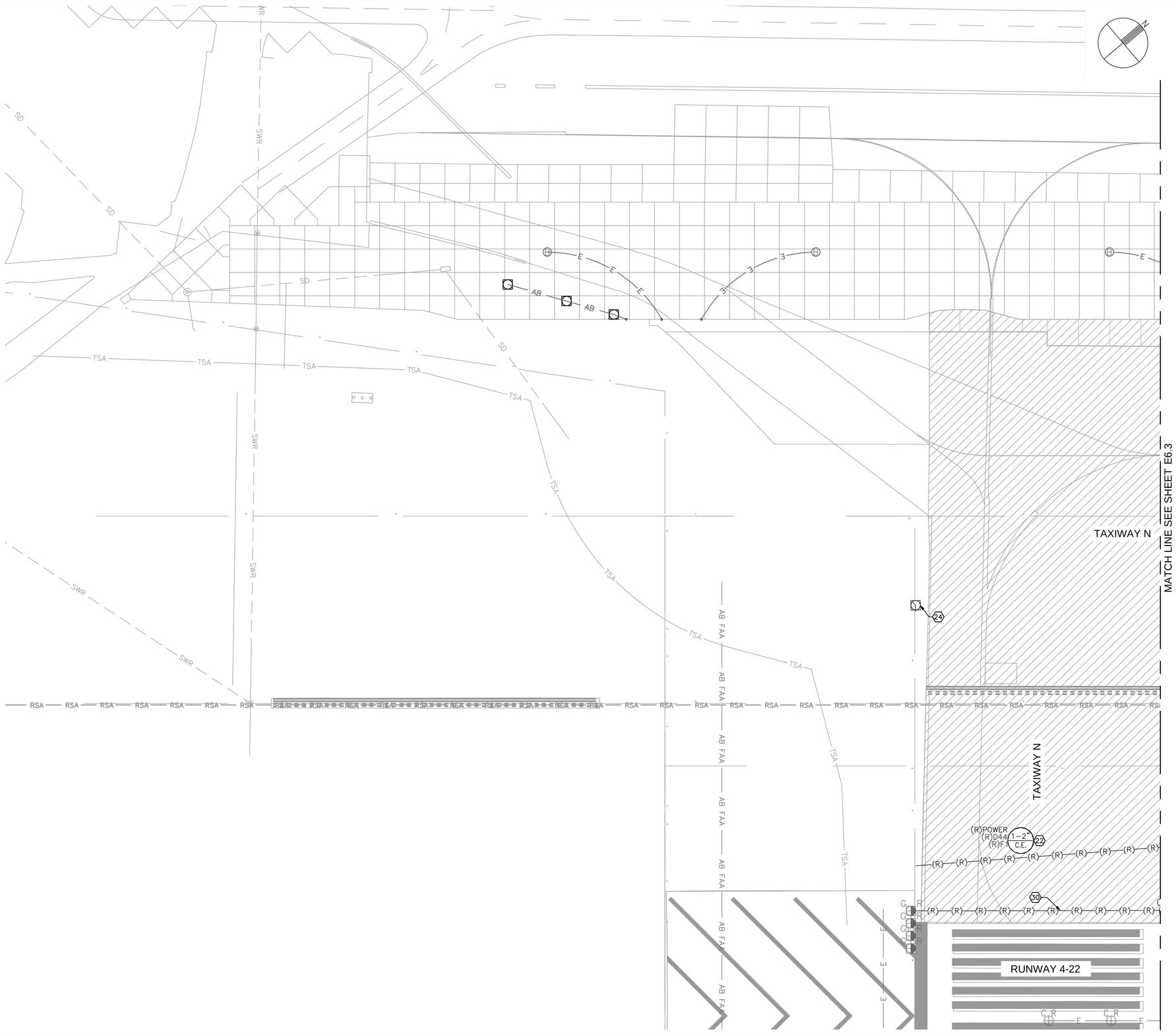


ELECTRICAL DEMOLITION NOTES

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.

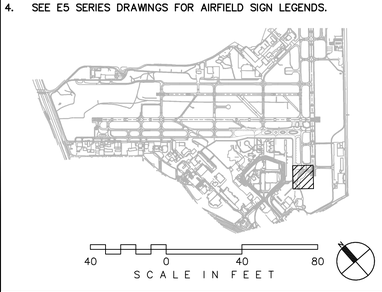
24. REMOVE EXISTING ELEVATED LIGHT FIXTURE, BASECAN AND ISOLATION TRANSFORMER FROM SITE.

FIELD SURVEY NOTE

1. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL FIELD SURVEY LOCATIONS OF THE INDICATED EXISTING RUNWAY AND TAXIWAY FIXTURES TO BE SALVAGED FOR REINSTALLATION ON NEW BASES SO THAT THE FIXTURES MAY BE REINSTALLED IN THE SAME LOCATIONS.

GENERAL NOTES

1. SEE E1 SERIES 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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ELECTRICAL DEMOLITION PLAN - ALTERNATE 1

E6.2

SHEET NO. 133 OF 140

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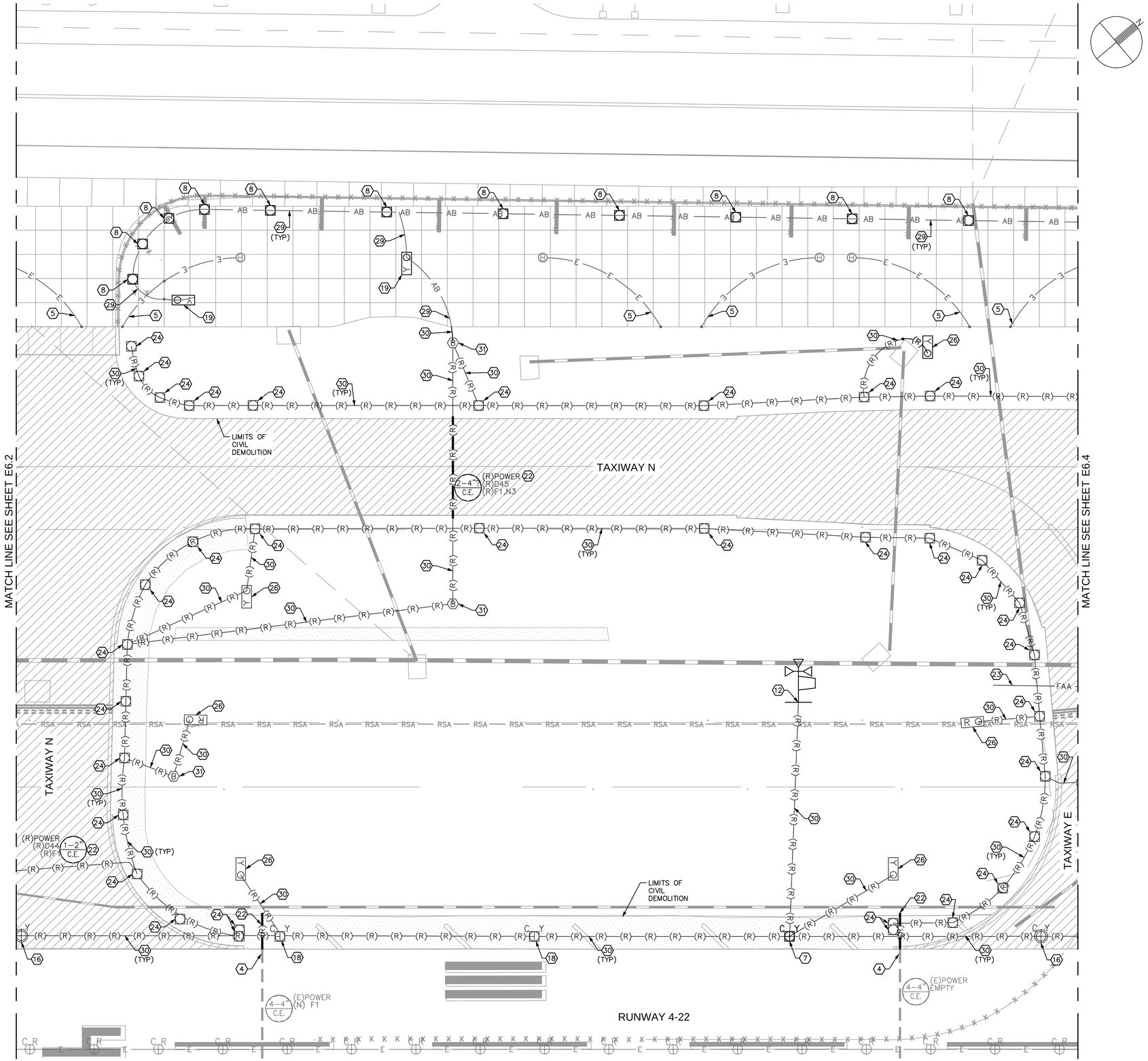


ELECTRICAL DEMOLITION NOTES

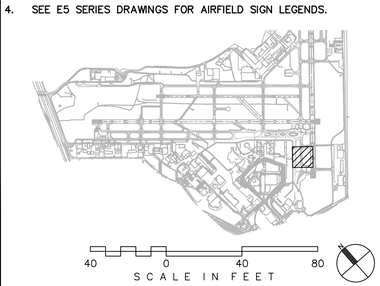
4. EXISTING DUCT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
5. EXISTING CONDUIT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
7. SALVAGE EXISTING RUNWAY EDGE LIGHT FOR REINSTALLATION. SALVAGE EXISTING ISOLATION TRANSFORMER TO THE OWNER. SEE E1 SERIES DRAWINGS FOR REINSTALLATION OF EDGE LIGHT.
8. SALVAGE EXISTING TAXIWAY EDGE LIGHT FOR REINSTALLATION. SALVAGE EXISTING ISOLATION TRANSFORMER TO THE OWNER. SEE E1 SERIES DRAWINGS FOR REINSTALLATION OF EDGE LIGHT.
12. SALVAGE EXISTING LIGHTED WINDCONE AND ISOLATION TRANSFORMER FOR REINSTALLATION. REMOVE CABLE AND CONDUIT. SEE E1 SERIES DRAWINGS FOR REINSTALLATION.
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.
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.
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.
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.

FIELD SURVEY NOTE

1. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL FIELD SURVEY LOCATIONS OF THE INDICATED EXISTING RUNWAY AND TAXIWAY FIXTURES TO BE SALVAGED FOR REINSTALLATION ON NEW BASES SO THAT THE FIXTURES MAY BE REINSTALLED IN THE SAME LOCATIONS.

GENERAL NOTES

1. SEE E1 SERIES 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

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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
84061
LICENSED
PROFESSIONAL ENGINEER

MARK	DATE	DESCRIPTION

ISSUE:	----
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ELECTRICAL DEMOLITION PLAN - ALTERNATE 1

E6.3

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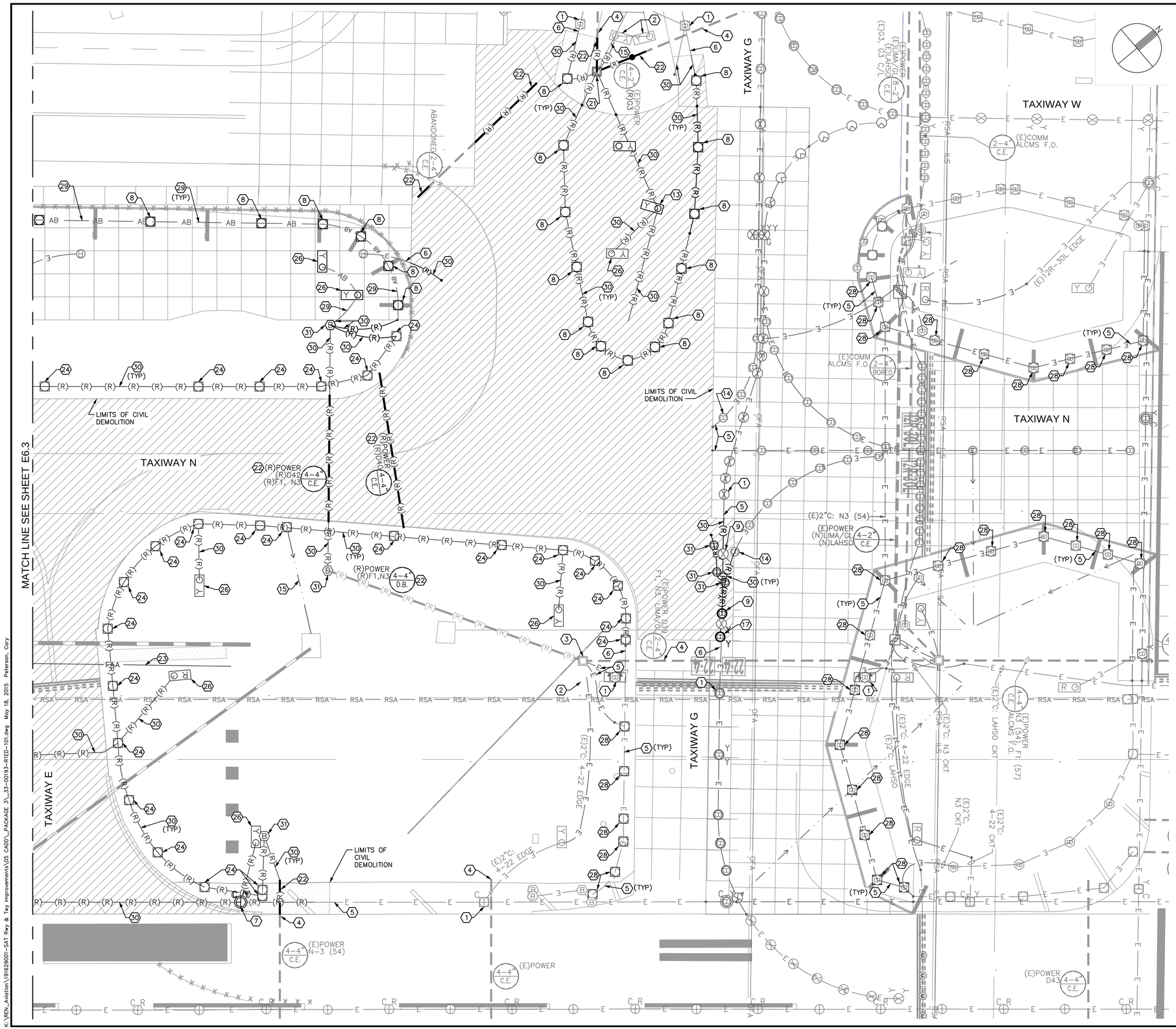


ELECTRICAL DEMOLITION NOTES

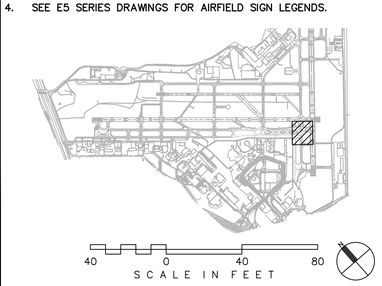
1. EXISTING LIGHT, PROTECT IN PLACE.
2. EXISTING SIGN, PROTECT IN PLACE.
3. EXISTING HANDHOLE OR PULLBOX, PROTECT IN PLACE.
4. EXISTING DUCT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
5. EXISTING CONDUIT, PROTECT IN PLACE. REMOVE CONDUCTOR(S) AS NOTED.
6. PROTECT EXISTING CONDUIT TO REMAIN OUTSIDE OF AREA OF CIVIL DEMOLITION FOR RECONNECTION TO NEW CONDUIT. PULL CONDUCTORS BACK TO ADJACENT BASE CAN TO REMAIN.
7. SALVAGE EXISTING RUNWAY EDGE LIGHT FOR REINSTALLATION. SALVAGE EXISTING ISOLATION TRANSFORMER TO THE OWNER. SEE E1 SERIES DRAWINGS FOR REINSTALLATION OF EDGE LIGHT.
8. SALVAGE EXISTING TAXIWAY EDGE LIGHT FOR REINSTALLATION. SALVAGE EXISTING ISOLATION TRANSFORMER TO THE OWNER. SEE E1 SERIES DRAWINGS FOR REINSTALLATION OF EDGE LIGHT.
9. SALVAGE EXISTING TAXIWAY CENTERLINE LIGHT FOR REINSTALLATION. SALVAGE ISOLATION TRANSFORMER TO THE OWNER.
13. SALVAGE EXISTING SIGN FOR REINSTALLATION. SALVAGE EXISTING ISOLATION TRANSFORMER TO THE OWNER. REMOVE THE FOUNDATION FROM SITE.
14. EXISTING BASECAN, PROTECT IN PLACE.
15. REMOVE EXISTING 2"CONDUIT TO DRAIN STRUCTURES WITHIN EXTENTS OF CIVIL DEMOLITION OR AS SHOWN.
17. SALVAGE EXISTING IN-PAVEMENT TAXIWAY CENTERLINE LIGHT AND ISOLATION TRANSFORMER TO THE OWNER. REMOVE THE FOUNDATION FROM SITE.
21. REMOVE EXISTING HANDHOLE.
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.
28. REMOVE EXISTING ELEVATED LIGHT FIXTURE AND ISOLATION TRANSFORMER FROM SITE. RETAIN BASECAN FOR NEW ELEVATED LIGHT FIXTURE AND ISOLATION TRANSFORMER.
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.

FIELD SURVEY NOTE

1. PRIOR TO DEMOLITION, THE CONTRACTOR SHALL FIELD SURVEY LOCATIONS OF THE INDICATED EXISTING RUNWAY AND TAXIWAY FIXTURES TO BE SALVAGED FOR REINSTALLATION ON NEW BASES SO THAT THE FIXTURES MAY BE REINSTALLED IN THE SAME LOCATIONS.

GENERAL NOTES

1. SEE E1 SERIES 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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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

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ELECTRICAL DEMOLITION PLAN - ALTERNATE 1

E6.4

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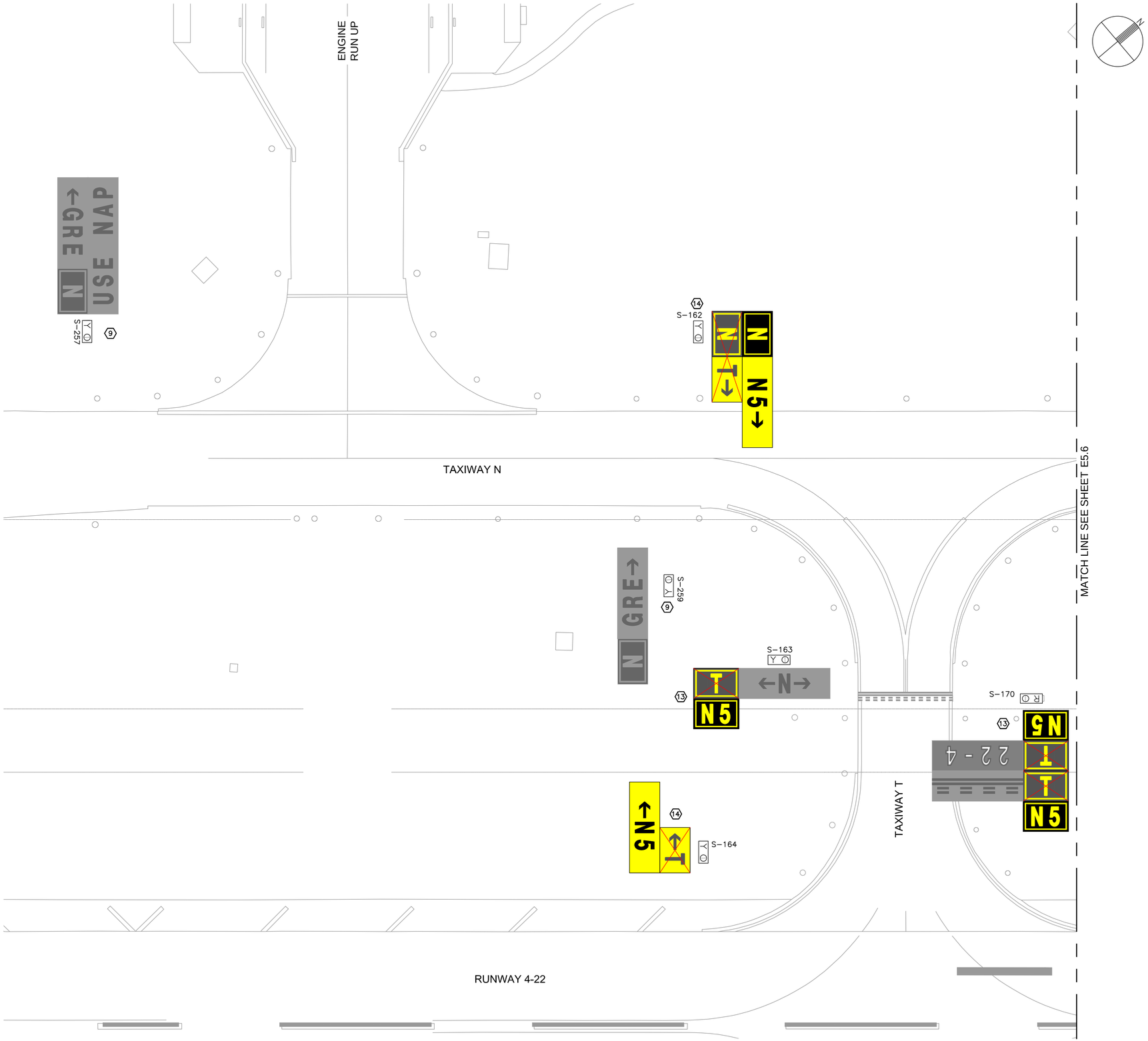


SIGN SHEET NOTES

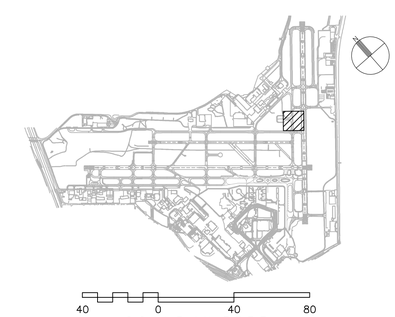
9 EXISTING SIGN, BASE AND LEGEND TO REMAIN IN THIS PHASE.

13 NEW SIGN LEGEND FOR EXISTING SIGN. CROSSED OUT PORTION OF SIGN SHOWS CHANGES IN MESSAGE, BUT ALL SIGN PANELS ARE TO BE NEW.

14 REMOVE EXISTING SIGN AND SALVAGE TO OWNER. REMOVE EXISTING CONCRETE BASE, INSTALL NEW CONCRETE BASE, AND INSTALL NEW SIGN.

GENERAL NOTES

1. NEW SIGN MESSAGES ARE SHOWN IN COLORS. EXISTING SIGN MESSAGES ARE SHOWN IN GRAY TONES.



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AIRFIELD SIGN PLAN - ALTERNATE 2

E5.5

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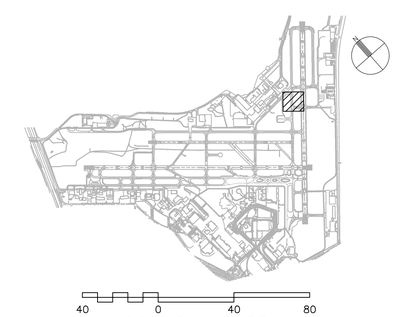
SIGN SHEET NOTES

(9) EXISTING SIGN, BASE AND LEGEND TO REMAIN IN THIS PHASE.

(14) REMOVE EXISTING SIGN AND SALVAGE TO OWNER. REMOVE EXISTING CONCRETE BASE, INSTALL NEW CONCRETE BASE, AND INSTALL NEW SIGN.

GENERAL NOTES

1. NEW SIGN MESSAGES ARE SHOWN IN COLORS. EXISTING SIGN MESSAGES ARE SHOWN IN GRAY TONES.



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AIRFIELD SIGN PLAN - ALTERNATE 2

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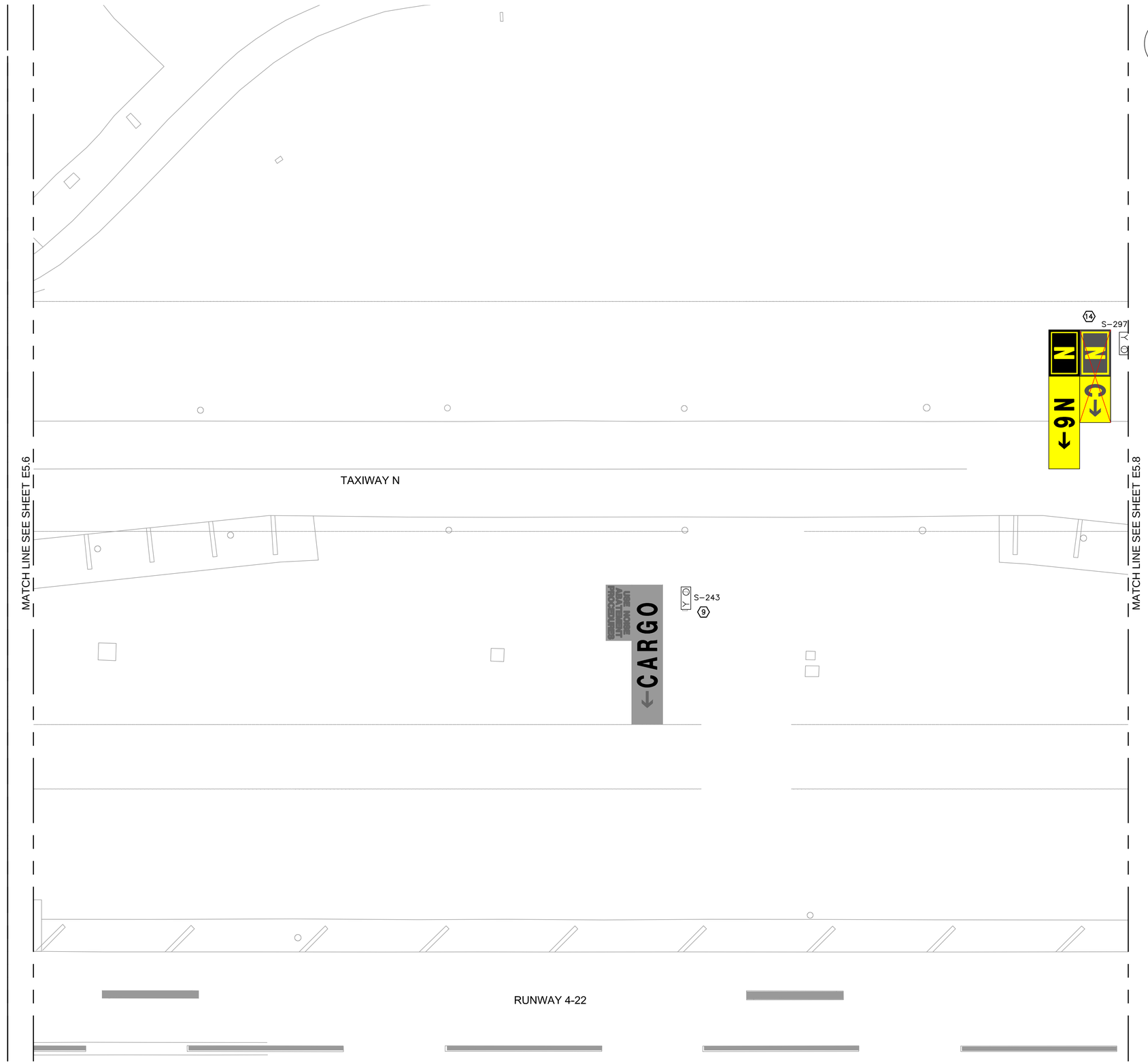


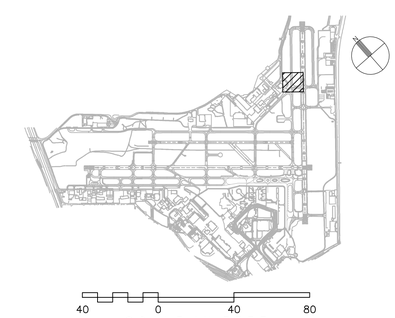
SIGN SHEET NOTES

9 EXISTING SIGN, BASE AND LEGEND TO REMAIN IN THIS PHASE.

14 REMOVE EXISTING SIGN AND SALVAGE TO OWNER. REMOVE EXISTING CONCRETE BASE, INSTALL NEW CONCRETE BASE, AND INSTALL NEW SIGN.

GENERAL NOTES

1. NEW SIGN MESSAGES ARE SHOWN IN COLORS. EXISTING SIGN MESSAGES ARE SHOWN IN GRAY TONES.



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AIRFIELD SIGN PLAN - ALTERNATE 2

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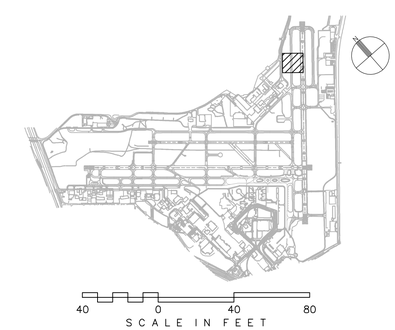
SIGN SHEET NOTES

13 NEW SIGN LEGEND FOR EXISTING SIGN. CROSSED OUT PORTION OF SIGN SHOWS CHANGES IN MESSAGE, BUT ALL SIGN PANELS ARE TO BE NEW.

14 REMOVE EXISTING SIGN AND SALVAGE TO OWNER. REMOVE EXISTING CONCRETE BASE, INSTALL NEW CONCRETE BASE, AND INSTALL NEW SIGN.

GENERAL NOTES



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SIGN SHEET NOTES

(13) NEW SIGN LEGEND FOR EXISTING SIGN. CROSSED OUT PORTION OF SIGN SHOWS CHANGES IN MESSAGE, BUT ALL SIGN PANELS ARE TO BE NEW.

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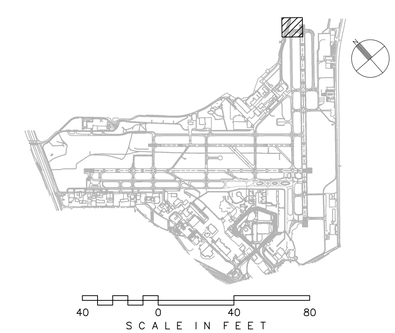
GENERAL NOTES



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