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Houston, TX 77079  
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www.GarverUSA.com

**August 8, 2016**

**Addendum No.1**

**To Plans, Contract Documents and Specifications  
IFB 16-022/JW, Taxiway D Reconstruction (2016)**

This addendum shall be a part of the Plans, Contract Documents and Specifications to the same extent as though it were originally included therein, and it shall supersede anything contained in the Plans, Contract Documents and Specifications with which it might conflict. All bidders shall acknowledge receipt of this Addendum on page C-4 of the sealed bid proposal.

**Modifications to the Plans:**

**1. Replace the following sheets:**

- G-102 'Sheet Index and Summary of Quantities' with the attached sheet G-102 'Sheet Index and Summary of Quantities'.
- C-402 'Demolition Layout' with the attached sheet C-402 'Demolition Layout'.
- C-505 'Grading and Drainage Plan' with the attached sheet C-505 'Grading and Drainage Plan'.
- C-701 'Geometric Plan I' with the attached sheet C-701 'Geometric Plan I'.
- C-702 'Geometric Plan II' with the attached sheet C-702 'Geometric Plan II'.
- C-801 'Pavement Profiles' with the attached sheet C-801 'Pavement Profiles'.
- E-101 'Lighting Removal Plan I' with the attached sheet E-101 'Lighting Removal Plan I'.
- E-102 'Lighting Removal Plan II' with the attached sheet E-102 'Lighting Removal Plan II'.
- E-201 'Lighting Installation Plan I' with the attached sheet E-201 'Lighting Installation Plan I'.
- E-202 'Lighting Installation Plan II' with the attached sheet E-202 'Lighting Installation Plan II'.

**2. Add the following sheets:**

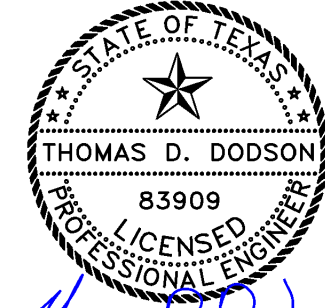
- C-502 'Grading and Drainage Details II'.
- C-503 'IL-H-G Horizontal Inlet Type H 1 of 2'.
- C-504 'IL-H-G Horizontal Inlet Type H 2 of 2'.
- C-604 'Storm Drain Profile'.

**Bidder Questions with Answers:**

A question has been received by email. The response to this question is attached to this addendum. Questions are paraphrased and are as understood by Garver.

By: Thomas D Dodson, PE.

Attachments: Revised Plansheets: 10 sheets  
Additional Plansheets: 4 sheets  
Response to Bidder Questions: 1 page



*Thomas D Dodson*

File: L:\2016\16121501 - BPT, TW D Phase, 3 FD & Bidding\Drawings\BPT\_TW D\_G102\_S1.dwg Last Save: 8/8/2016 4:32 PM Last saved by: JSuarez  
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SPEC. NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY
Sect 105	MOBILIZATION	L.S.	1
SS-120-1	SITE PREPARATION	L.S.	1
D-701-1	30" STORMWATER PIPE	L.F.	292
D-701-2	REMOVAL OF 30" CONCRETE PIPE	L.F.	390
D-751-1	4'X4' SINGLE GRATE INLET (HEAVY-DUTY)	EACH	1
D-752-1	CONNECT 30" RCP TO EXIST. GRATE INLET, COMPLETE IN-PLACE	L.S.	1
P-101-1	CONCRETE PAVEMENT REMOVAL	S.Y.	17,050
P-101-2	MILLING AND REMOVAL OF ASPHALT PAVEMENT SURFACING (8" TO 0" THICKNESS)	S.Y.	2,110
P-152-1	UNCLASSIFIED EXCAVATION	C.Y.	1,100
P-152-2	BORROW EXCAVATION	C.Y.	6,000
P-152-3	UNSUITABLE EXCAVATION	C.Y.	180
P-154-1	8" SUBBASE COURSE	S.Y.	7,390
P-155-1	16" LIME-TREATED SUBGRADE	S.Y.	7,930
P-155-2	LIME	TON	300
P-156-1	SEDIMENT CONTROL FENCE	L.F.	2,680
P-156-2	INLET PROTECTION	EACH	3
P-501-1	12.5" PORTLAND CEMENT CONCRETE PAVEMENT	S.Y.	6,840
P-605-1	CONCRETE JOINT CLEAN AND SEAL	L.F.	9,220
P-620-1	RETRO-REFLECTIVE PAVEMENT MARKINGS	S.F.	2,800
P-620-2	PREFORMED RUNWAY HOLD SIGN MARKINGS	S.F.	775
P-620-3	NON-REFLECTIVE BLACK OUTLINE	S.F.	4,950
P-620-4	PAVEMENT MARKING REMOVAL	L.S.	1
T-901-1	SEEDING, INCLUDING FERTILIZING AND WATERING	ACRE	7.1
T-904-1	SODDING	S.Y.	970
T-905-1	TOPSOILING (OBTAINED ON SITE OR REMOVED FROM STOCKPILE; 2" THICKNESS)	S.Y.	34,000
SS-300-5.1	LOCKOUT/TAGOUT AND CONSTANT CURRENT REGULATOR CALIBRATION PROCEDURES	L.S.	1
SS-301-5.1	EXISTING AIRPORT ROTATING BEACON, REMOVED	EACH	1
SS-301-5.2	EXISTING CONCRETE ENCASED, ELECTRICAL JUNCTION STRUCTURE, REMOVED	EACH	2

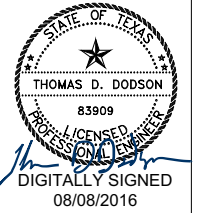
SS-301-5.3	EXISTING STAKE MOUNTED EDGE LIGHT, REMOVED	EACH	61
SS-301-5.4	EXISTING BASE MOUNTED EDGE LIGHT, REMOVED	EACH	7
SS-301-5.5	EXISTING BASE MOUNTED EDGE LIGHT, REMOVED, BASE TO REMAIN	EACH	12
SS-301-5.6	EXISTING IN-PAVEMENT EDGE LIGHT, REMOVED	EACH	2
SS-301-5.7	ABANDONED SIGN BASE, REMOVED	EACH	4
SS-301-5.8	EXISTING BASE MOUNTED GUIDANCE SIGN, REMOVED	EACH	16
SS-310-5.1	L-858(L) BASE MOUNTED, 3-MODULE GUIDANCE SIGN, INSTALLED	EACH	2
SS-310-5.2	L-862 BASE MOUNTED RUNWAY EDGE LIGHT, INSTALLED	EACH	2
SS-310-5.3	L-861T(L) BASE MOUNTED TAXIWAY EDGE LIGHT, INSTALLED	EACH	39
SS-310-5.4	L-861T(L) BASE MOUNTED TAXIWAY EDGE LIGHT, INSTALLED ON EXISTING BASE	EACH	12
SS-310-5.5	FIELD LIGHTNING ARRESTOR, INSTALLED	EACH	4
SS-310-5.6	TEMPORARY AIRFIELD LIGHTING	L.S.	1
L-101-5.1	L-802A, AIRPORT ROTATING BEACON, IN PLACE	EACH	1
L-108-5.1	TRENCHING FOR DIRECT-BURIED CABLE, 18 INCH MINIMUM DEPTH	L.F.	20
L-108-5.2	NO. 8 AWG, 5 kV, L-824, TYPE C CABLE, INSTALLED IN TRENCH, DUCT BANK, OR CONDUIT	L.F.	6,900
L-108-5.3	NO. 6 AWG, SOLID, BARE COUNTERPOISE WIRE, INSTALLED IN TRENCH, ABOVE THE DUCT BANK OR CONDUIT, INCLUDING GROUND RODS AND GROUND CONNECTORS	L.F.	5,200
L-108-5.4	TRENCHING FOR DIRECT-BURIED BARE COUNTERPOISE WIRE, 8" MINIMUM DEPTH	L.F.	5,100
L-110-5.1	NON-ENCASED ELECTRICAL CONDUIT, 1W-2"C	L.F.	5,100
L-110-5.2	ENCASED ELECTRICAL CONDUIT, 1W-2"C, WITH FLOWABLE FILL AND SAWCUT PAVEMENT REPAIR	L.F.	140

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3	G-103	GENERAL NOTES
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5	G-301	SAFETY AND PHASING PLAN
6	G-302	SAFETY AND PHASING DETAILS
7	G-303	SAFETY AND PHASING - PHASE IA
8	G-304	SAFETY AND PHASING - PHASE IB
9	G-401	GEOTECHNICAL INVESTIGATION PLAN
CIVIL		
10	C-101	TYPICAL SECTIONS
11	C-201	SWPPP DETAILS I
12	C-202	SWPPP DETAILS II
13	C-203	SWPPP NOTES
14	C-204	SWPPP LAYOUT
15	C-301	EXISTING CONDITIONS LAYOUT I
16	C-302	EXISTING CONDITIONS LAYOUT II
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18	C-402	DEMOLITION LAYOUT
19	C-501	GRADING AND DRAINAGE DETAILS I
20	C-502	GRADING AND DRAINAGE DETAILS II
21	C-503	IL-H-G HORIZONTAL INLET TYPE H 1 OF 2
22	C-504	IL-H-G HORIZONTAL INLET TYPE H 2 OF 2
23	C-505	GRADING AND DRAINAGE PLAN
24	C-601	STORM DRAIN PROFILE
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27	C-801	PAVEMENT PROFILES
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46	XS-109	TAXIWAY D CROSS SECTIONS IX
47	XS-110	TAXIWAY H (DEMO) CROSS SECTIONS I
48	XS-111	TAXIWAY H (DEMO) CROSS SECTIONS II
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51	E-001	ELECTRICAL LEGEND AND NOTES
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53	E-102	LIGHTING REMOVAL PLAN II
54	E-201	LIGHTING INSTALLATION PLAN I
55	E-202	LIGHTING INSTALLATION PLAN II
56	E-203	LIGHTING INSTALLATION PLAN III
57	E-301	ELECTRICAL DETAILS I
58	E-302	ELECTRICAL DETAILS II
59	E-303	ELECTRICAL DETAILS III
60	E-304	ELECTRICAL DETAILS IV
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1



REGISTRATION NO. F-5713



DIGITALLY SIGNED 08/08/2016

REV.	DATE	DESCRIPTION
1	8/8/16	ADDENDUM # 1

JACK BROOKS REGIONAL AIRPORT  
 JEFFERSON COUNTY, TX  
 TAXIWAY D RECONSTRUCTION (2016)

SHEET INDEX AND SUMMARY OF QUANTITIES

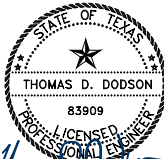
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 DATE: JULY, 2016  
 DESIGNED BY: TDD  
 DRAWN BY: JS

BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**G-102**  
 SHEET NUMBER  
**2**



REGISTRATION NO.  
F-5713



DIGITALLY SIGNED  
08/08/2016

BY: TDD

DESCRIPTION: ADDENDUM # 1

DATE: 8/8/16

REV: 1

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX

TAXIWAY D RECONSTRUCTION (2016)

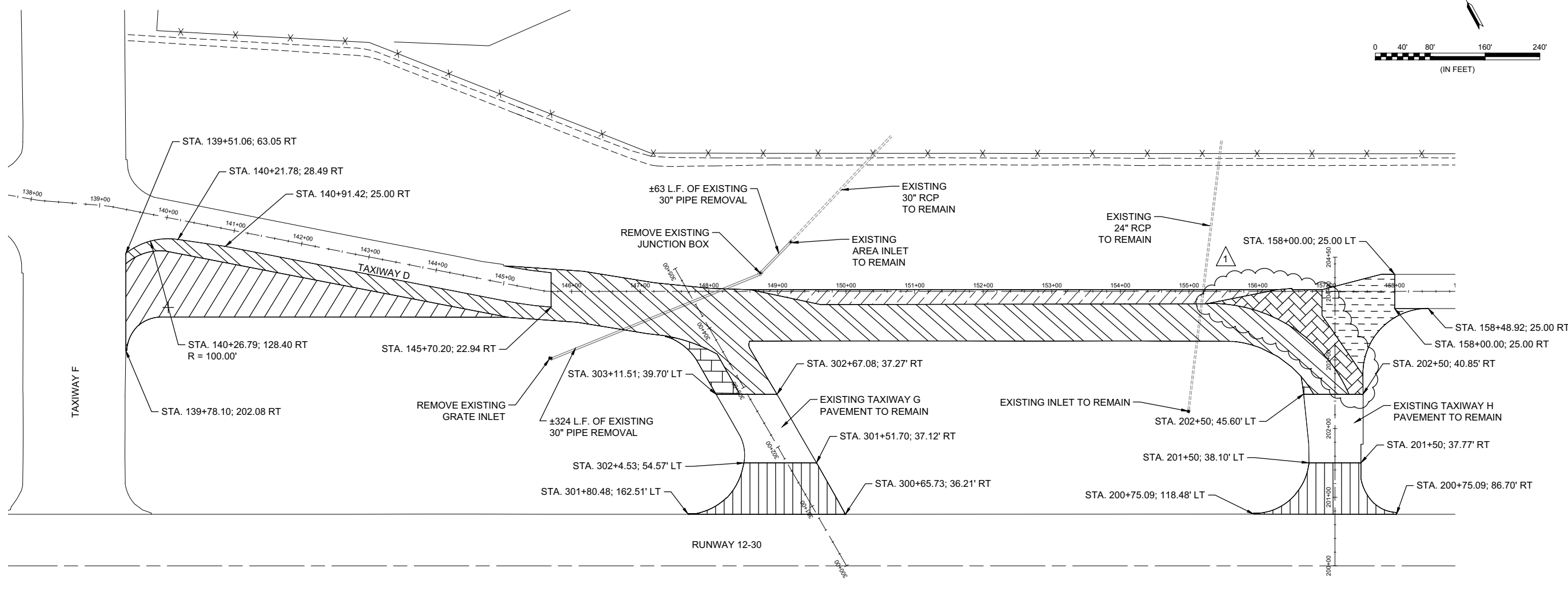
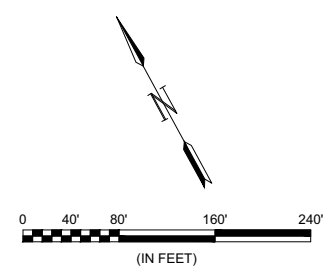
DEMOLITION LAYOUT

JOB NO.: 16121501  
DATE: JULY, 2016  
DESIGNED BY: TDD  
DRAWN BY: JS

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DRAWING NUMBER  
**C-402**

SHEET NUMBER  
**18**



**NOTES:**

- WHERE EXISTING PAVEMENT TO REMAIN IS ADJACENT TO PAVEMENT THAT IS TO BE REMOVED, FULL-DEPTH SAWCUT THE PAVEMENT. SEE DETAILS SHEET G-401.
- EXISTING PAVEMENTS SECTION INFORMATION FROM BORE AND GEOTECHNICAL REPORT. CONTRACTOR TO VERIFY EXISTING PAVEMENT SECTIONS.
- PAVEMENT REMOVAL DOES NOT INCLUDE BASE UNDERLYING ASPHALT MATERIALS.

**LEGEND**

- 10.5" PORTLAND CEMENT CONCRETE, 3,321.18 SY
- 12" PORTLAND CEMENT CONCRETE, 9,791.32 SY
- VARYING HOT MIX ASPHALT, 6" PORTLAND CEMENT CONCRETE 314.62 SY
- REMOVE VARYING THICKNESS ASPHALT TRANSITIONS (8" TO 0"), UNDERLYING CONCRETE TO REMAIN 2,106.13 SY
- 8.5" PORTLAND CEMENT CONCRETE AND 4" ASPHALT, 1,568.67 SY
- 10" PORTLAND CEMENT CONCRETE, 988.11 SY
- VARYING THICKNESS ASPHALT TRANSITION, 10" PORTLAND CEMENT CONCRETE, 1,054.69 SY

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NEW SHEET



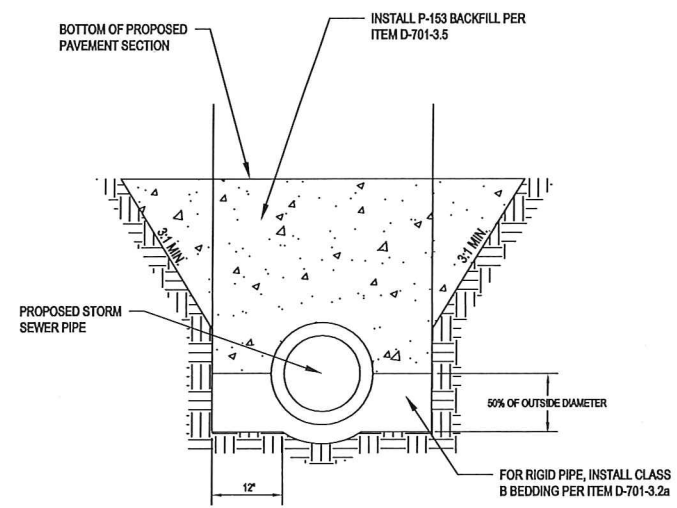
REGISTRATION NO. F-5713

SPI SCHAUMBURG & POLK, INC. BEAUMONT \* HILTON \* TIER \* TRHILL 320 S. Broadway, Suite 200 Tyler, TX 75702 T: 903-685-8913 F: 903-685-8083

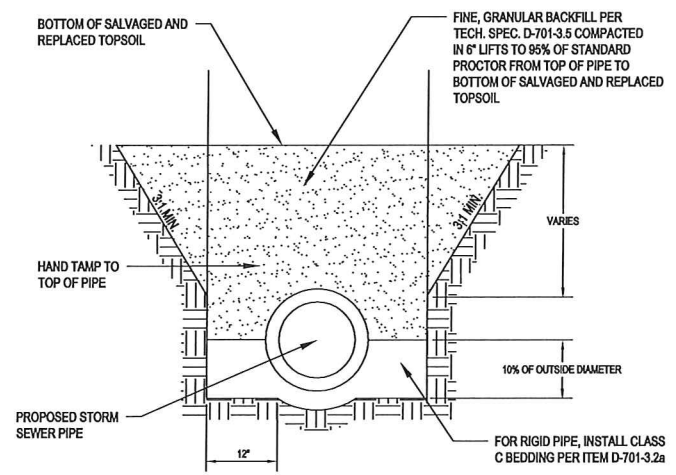
REGISTRATION NO. F-000520



Travis Reed  
7-27-2016



STORM SEWER TRENCH AND BACKFILL DETAIL (UNDER PROPOSED PAVEMENT) N.T.S.



STORM SEWER TRENCH AND BACKFILL DETAIL (OUTSIDE PAVED AREAS) N.T.S.

- STORM SEWER NOTES**
1. ALL REINFORCED CONCRETE PIPE STORM SEWER SHALL CONFORM TO ASTM C-76, CLASS III, NORMAL STRENGTH REQUIREMENTS, UNLESS OTHERWISE SHOWN.
  2. ALL DRAINAGE RCP SHALL BE WRAPPED AT THE JOINTS WITH FILTER FABRIC. FABRIC SHOULD LAP 1'-0" IN THE DIRECTION OF WRAP AND 1'-0" ONTO EACH END OF THE PIPES. JOINT SHALL BE RUBBER GASKETED OR APPROVED JOINT SEALER.
  3. CONTRACTOR SHALL MAINTAIN ADEQUATE DRAINAGE FOR THE PROPOSED PROJECT AND SURROUNDING AREAS AT ALL TIMES.
  4. A TEMPORARY INLET PROTECTION DEVICE (PER EROSION AND SEDIMENTATION CONTROL PLAN AND DETAILS) SHALL BE INSTALLED AT EACH PROPOSED INLET LOCATION DURING CONSTRUCTION.

REV.	DATE	DESCRIPTION	BY
A	8/8/16	ADDENDUM # 1	TDD

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX  
TAXIWAY D RECONSTRUCTION (2016)

GRADING AND DRAINAGE DETAILS II

JOB NO.: 16121501  
DATE: JULY, 2016  
SPI JOB NO.: 932102.00  
DRAWN BY: SPC

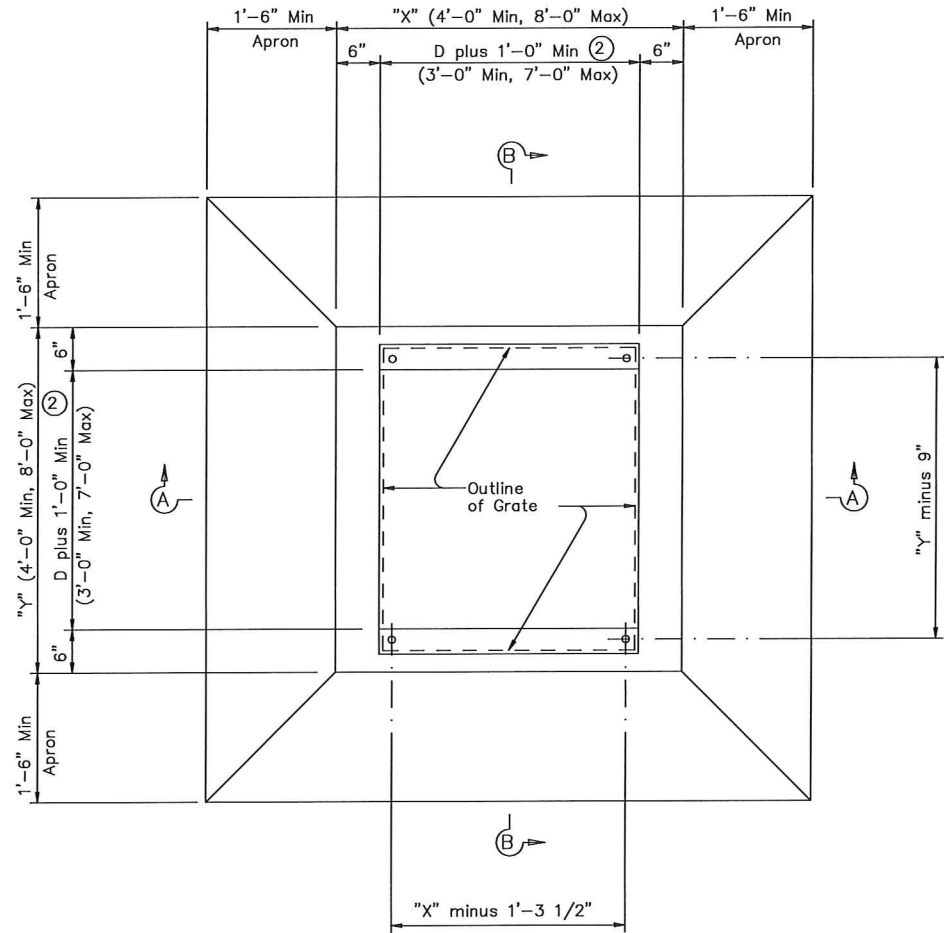
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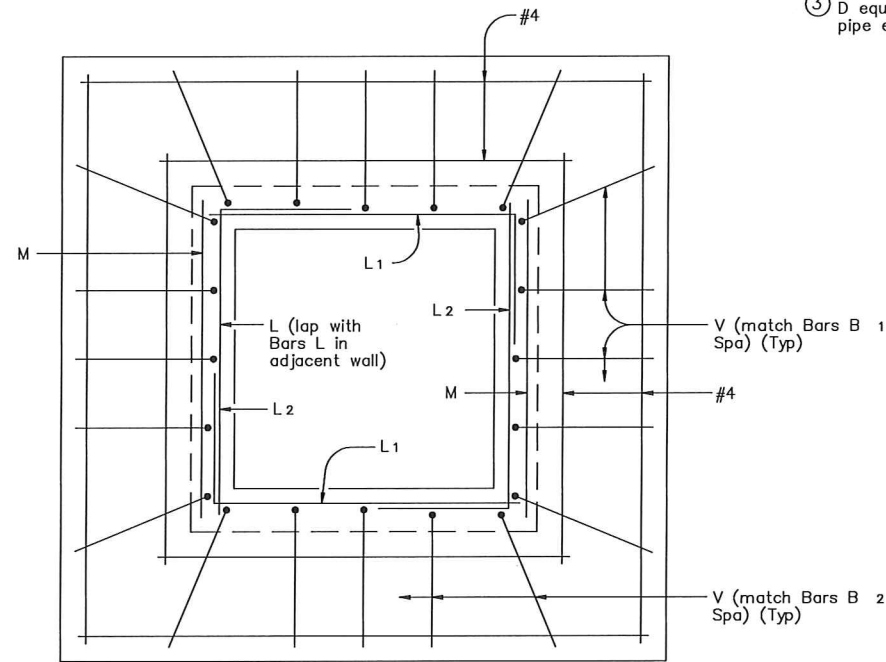
SHEET NUMBER  
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DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". The user assumes all responsibility for the consequences of this standard, including any other formats or for incorrect results or damages resulting from its use.

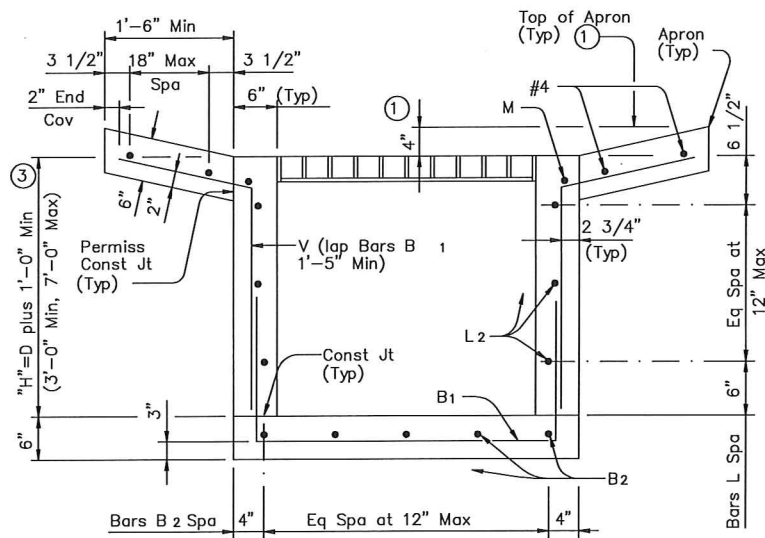
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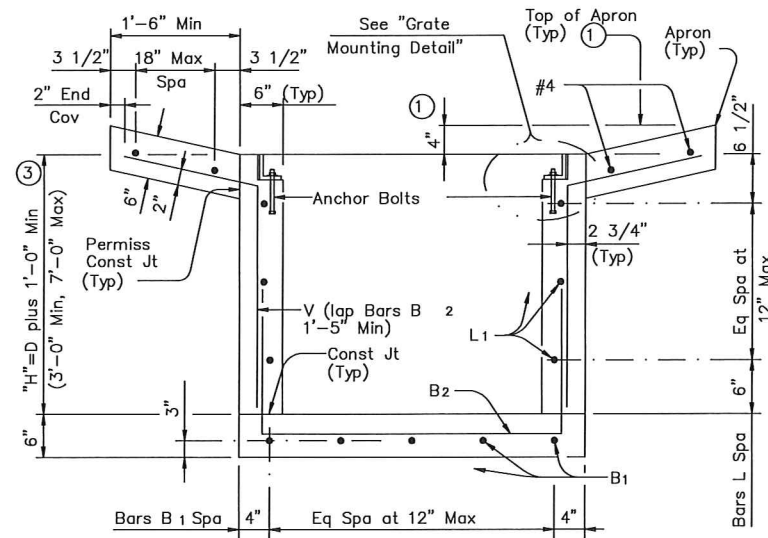
PLAN



TYPICAL APRON PLAN  
(Showing reinforcing in walls and in apron)



SECTION A-A

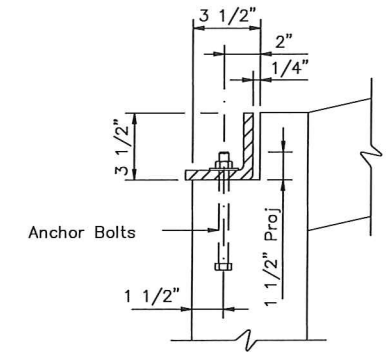


SECTION B-B

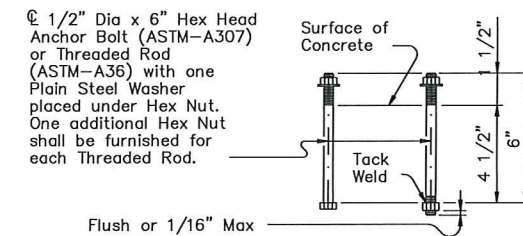
- May be changed as directed by the Engineer.
- D equals the maximum inside diameter of any pipe entering the wall shown or the opposite wall.
- D equals the maximum inside diameter of any pipe entering the inlet.

1

NEW SHEET



GRATE MOUNTING DETAIL



ANCHOR BOLT OPTIONS

MOD.

SHEET 1 OF 2

Texas Department of Transportation  
Bridge Division

HORIZONTAL INLET  
TYPE H WITH GRATE  
(MAX 48" DIA PIPES)

IL-H-G

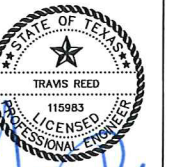
FILE:	DWG:	CHK:	APP:	DATE:
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© TxDOT February 2010				
DISTRICT		FEDERAL AID PROJECT		SHEET
REVISIONS				
11-10:	Changed angle size.			
COUNTY	CONTROL	SECT	JOB	HIGHWAY



REGISTRATION NO.  
F-5713

SPI  
SCHAUMBURG & POLK, INC.  
EQUIPMENT • HOUSTON • TULSA • IRVING  
320 S. Broadway, Suite 200  
Tyler, TX 75702  
T: 903-585-3813 F: 903-585-2083

REGISTRATION NO.  
F-000520



7-22-2016

REV.	DATE	DESCRIPTION	BY
1	8/8/16	ADDENDUM # 1	TDD

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX

TAXIWAY D RECONSTRUCTION (2016)

IL-H-G HORIZONTAL  
INLET TYPE H  
1 OF 2

JOB NO.: 16121501  
DATE: JULY, 2016  
SPI JOB NO.: 932102.00  
DRAWN BY: SPC

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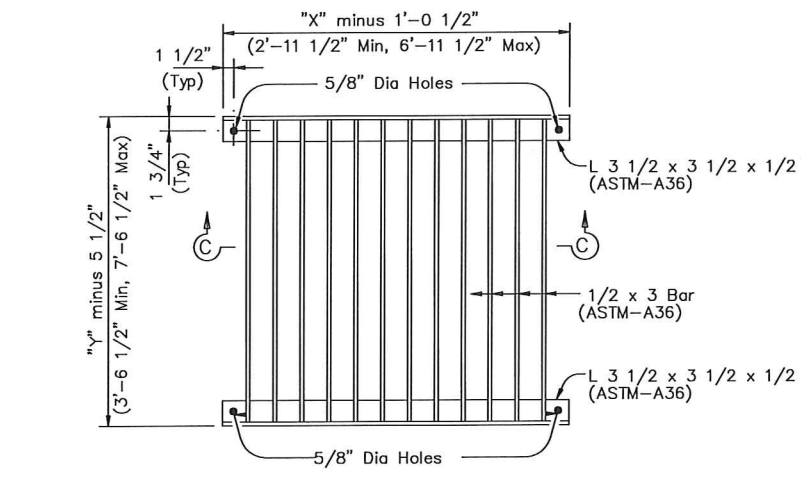
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**C-503**

SHEET NUMBER  
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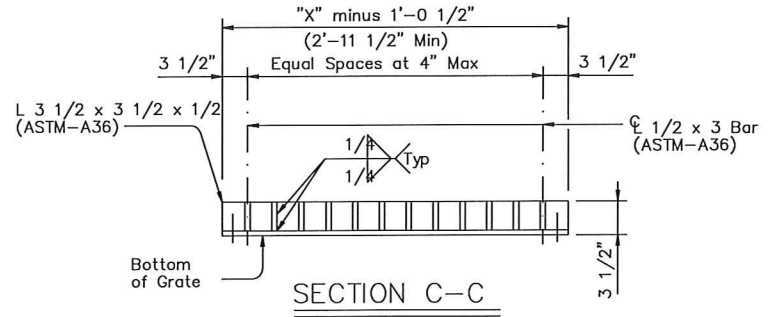
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LEVELS DISPLAYED

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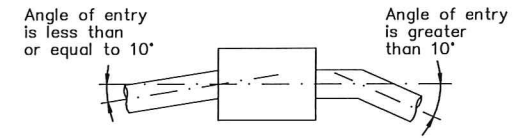
TYPICAL GRATE PLAN



SECTION C-C

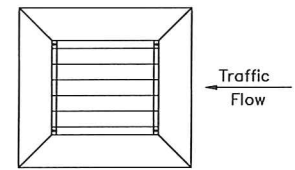


NEW SHEET



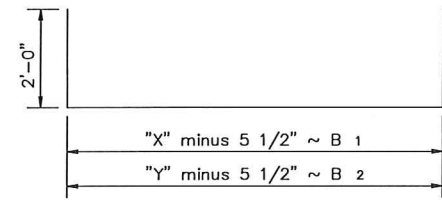
PIPE CONNECTION DETAIL

Connecting pipes should enter within 10° of normal to inlet wall. If necessary, pipe elbow or curved approach alignment should be used to stay within this limit.

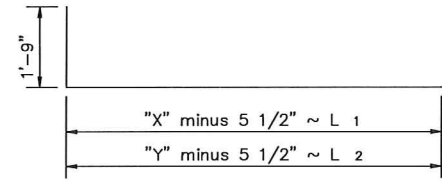


GRATE ORIENTATION DETAIL

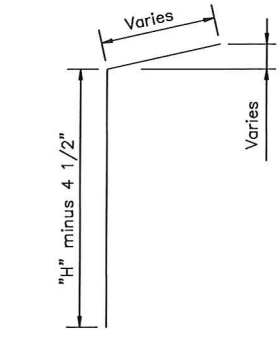
If possible, horizontal grate inlet should be oriented such that both traffic and ditch water approach parallel to bars on grate. If this is not possible, orientation must favor traffic flow. Grate is not to be used under direct traffic, rather it is to be used in ditches and medians away from the roadway.



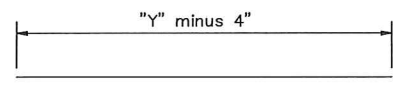
BARS B (#4)



BARS L (#4)



BARS V (#4)



BARS M (#4)

GENERAL NOTES:

When approved, precast inlets with equivalent structural capacity may be furnished. Sealed engineering calculations and drawings shall be submitted for approval prior to construction. Shop drawings will not be required. Apron shall be cast-in-place. In areas of conflict between reinforcing steel, blockouts, pipes, anchor bolts or other reinforcing steel, the reinforcement shall be bent or adjusted to clear as directed by the Engineer. Anchor Bolts are 1/2" Dia ASTM A307 Grade A bolts (or A36 threaded rods with one tack welded hex head nut each) with one hex head nut and one plain steel washer. Structural Steel for grates shall conform to the requirements of ASTM Designation A-36 or AISI Designation M1010-M1020. All reinforcing steel shall be Grade 60 unless otherwise noted. All steel components except reinforcing, shall be galvanized after fabrication. Galvanizing damaged during transport or construction shall be repaired in accordance with the specifications. All concrete shall be Class "A" (f'c = 3,000 psi).

MOD.

SHEET 2 OF 2

Texas Department of Transportation  
Bridge Division

HORIZONTAL INLET  
TYPE H WITH GRATE  
(MAX 48" DIA PIPES)

IL-H-G

FILE: ihste01.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CR: TxDOT
©TxDOT February 2010	DISTRICT	FEDERAL AID PROJECT	SHEET	
REVISIONS				
11-10: Changed angle size.	COUNTY	CONTROL	SECT	JOB HIGHWAY



REGISTRATION NO. F-5713

SPI SCHAUMBURG & POLK, INC.  
BEAUMONT • HOUSTON • TYLER • IRVING  
320 S. Broadway, Suite 200  
Tyler, TX 75702  
T: 903-585-9113 F: 903-585-2083

REGISTRATION NO. F-000520



7-27-2016

BY	TDD
DESCRIPTION	ADDENDUM # 1
REV.	DATE
1	8/8/16

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX

TAXIWAY D RECONSTRUCTION (2016)

IL-H-G HORIZONTAL  
INLET TYPE H  
2 OF 2

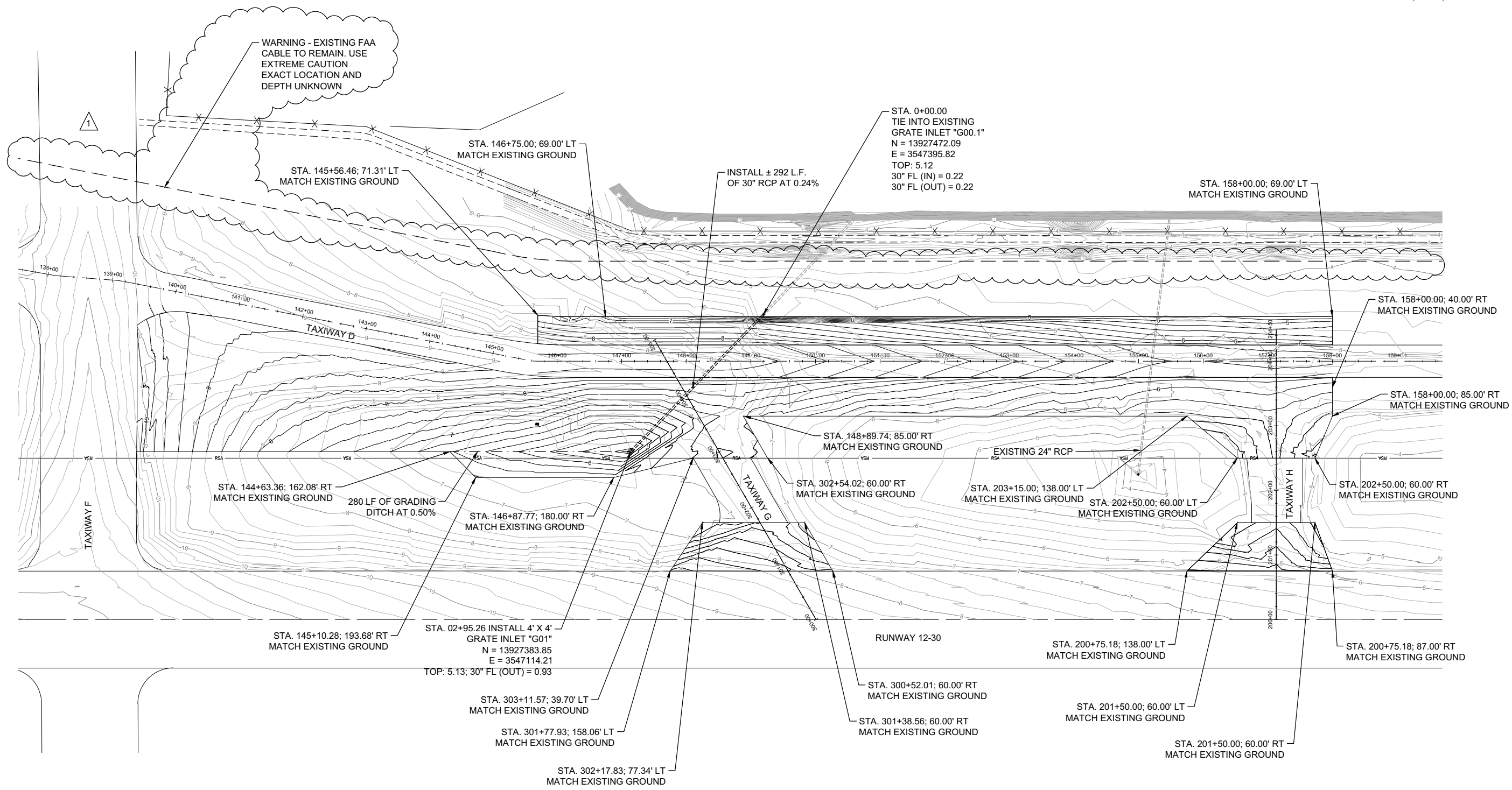
JOB NO.: 16121501  
DATE: JULY, 2016  
SPI JOB NO.: 932102.00  
DRAWN BY: SPC

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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

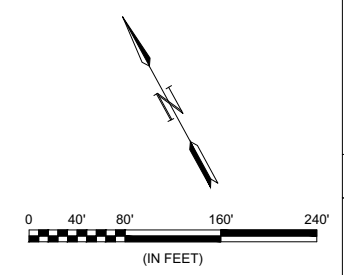
DRAWING NUMBER  
**C-504**

SHEET NUMBER  
**22**

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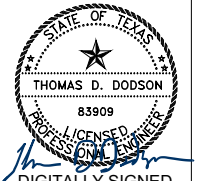
**NOTE:**  
 INCLUDE COST OF DEWATERING IN PIPE AND STRUCTURE INSTALLATION PRICING. THERE WILL BE NO SEPARATE PAY FOR DEWATERING.



REGISTRATION NO. F-5713



REGISTRATION NO. F-000520



DIGITALLY SIGNED 08/08/2016

REV.	DATE	DESCRIPTION	BY
1	8/8/16	ADDENDUM # 1	TDD

JACK BROOKS REGIONAL AIRPORT  
 JEFFERSON COUNTY, TX  
 TAXIWAY D RECONSTRUCTION (2016)

GRADING AND DRAINAGE PLAN

JOB NO.: 16121501  
 DATE: JULY, 2016  
 SPI JOB NO.: 932102.00  
 DRAWN BY: N. REED

BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**C-505**

SHEET NUMBER  
**23**



1

NEW SHEET



REGISTRATION NO.  
F-5713



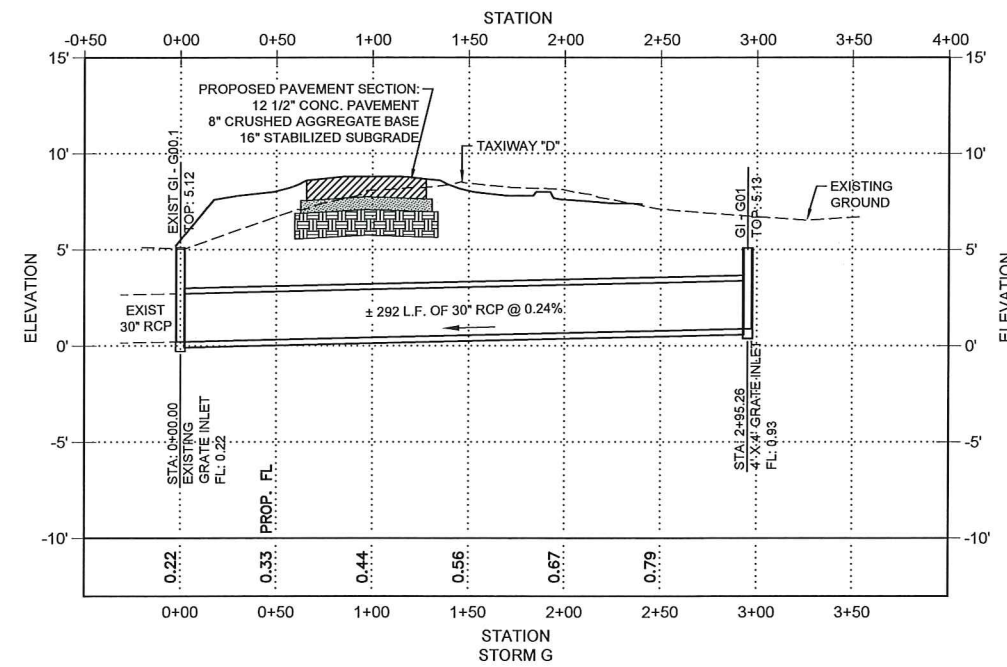
REGISTRATION NO.  
F-000520



*Travis Reed*  
7-27-2016

DRAINAGE CALCULATIONS									
Drain Area ID	Area (Acres)	TC (min)	Intensity 5 Yr (in/hr)	Intensity 25 Yr (in/hr)	Intensity 100 Yr (in/hr)	C-Value	Q 5 Yr (cfs)	Q 25 Yr (cfs)	Q 100 Yr (cfs)
G01	9.71	48.51	3.40	4.55	5.18	0.50	15.85	21.22	24.14

STORM PIPE CALCULATIONS																			
Description	Diameter (in)	No. of Pipes	Length (ft)	USFL Elev.	DSFL Elev.	Slope (%)	Velocity 5 Yr (fps)	Velocity 25 Yr (fps)	Velocity 100 Yr (fps)	Q 5 Yr (cfs)	Q 25 Yr (cfs)	Q 100 Yr (cfs)	Q Cap (cfs)	HGL 5 Yr Upstream Elev.	HGL 25 Yr Upstream Elev.	HGL 100 Yr Upstream Elev.	HGL 5 Yr Downstream Elev.	HGL 25 Yr Downstream Elev.	HGL 100 Yr Downstream Elev.
Proposed 30" RCP	30"	1	292	0.93	0.22	0.24%	4.20	4.32	4.92	15.85	21.22	24.14	20.23	2.62	3.50	3.73	2.02	2.72	2.72



REV.	DATE	DESCRIPTION	BY
1	8/8/16	ADDENDUM # 1	TDD

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX  
TAXIWAY D RECONSTRUCTION (2016)

STORM DRAIN  
PROFILE

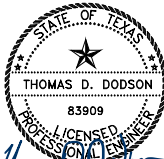
JOB NO.: 16121501  
DATE: JULY, 2016  
SPI JOB NO.: 932102.00  
DRAWN BY: SPC

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**C-601**  
SHEET NUMBER **24**



REGISTRATION NO.  
F-5713



DIGITALLY SIGNED  
08/08/2016

BY TDD

DESCRIPTION  
ADDENDUM # 1

DATE  
8/8/16

REV. 1

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX  
TAXIWAY D RECONSTRUCTION (2016)

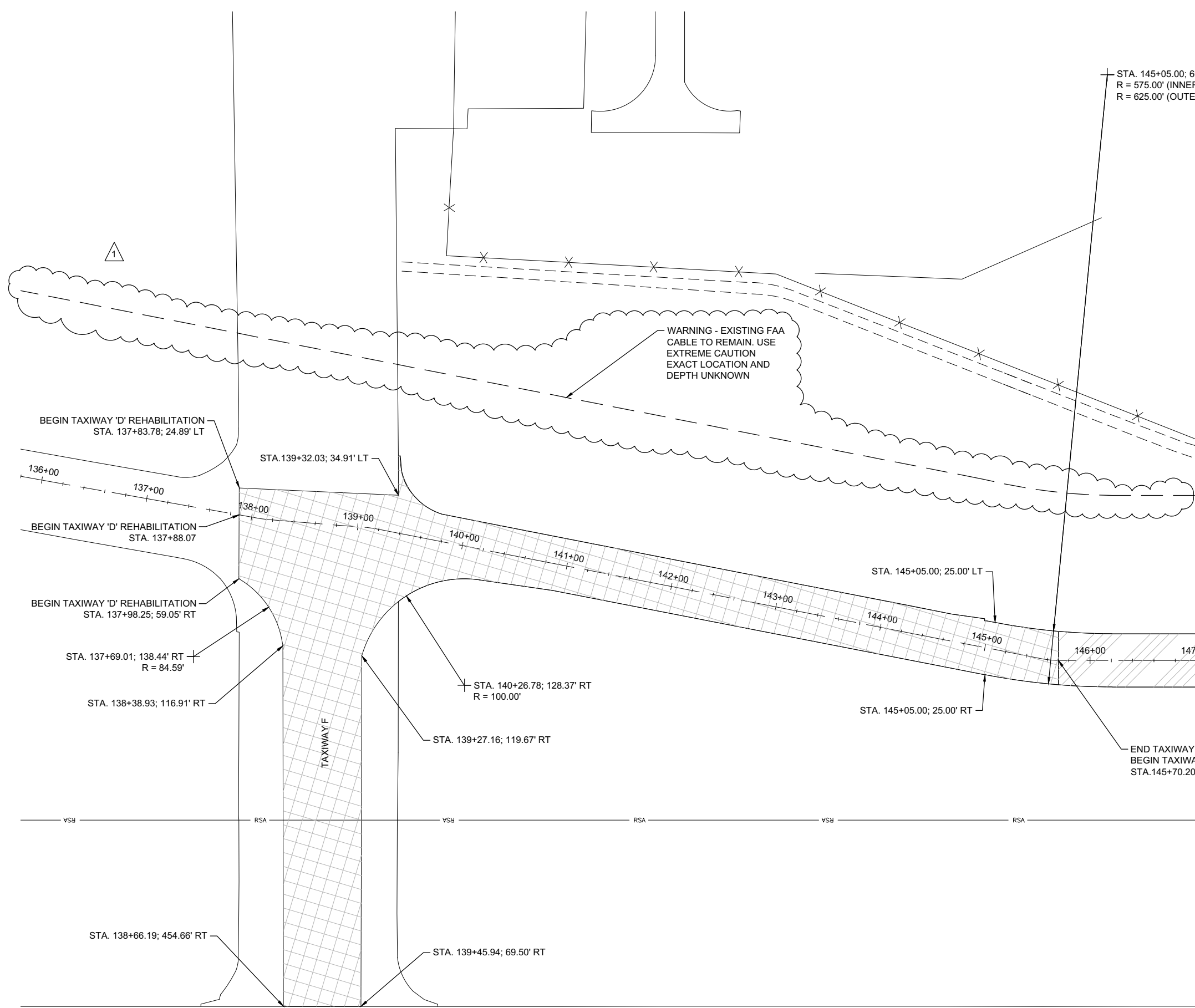
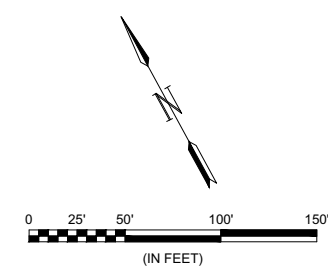
GEOMETRIC PLAN I

JOB NO.: 16121501  
DATE: JULY, 2016  
DESIGNED BY: TDD  
DRAWN BY: JS

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**C-701**

SHEET NUMBER  
**25**



WARNING - EXISTING FAA CABLE TO REMAIN. USE EXTREME CAUTION EXACT LOCATION AND DEPTH UNKNOWN

STA. 145+05.00; 600.00' LT  
R = 575.00' (INNER RADIUS)  
R = 625.00' (OUTER RADIUS)

MATCHLINE STA. 147+00

END TAXIWAY 'D' REHABILITATION  
BEGIN TAXIWAY 'D' RECONSTRUCTION  
STA. 145+70.20

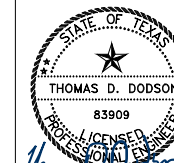
PROJECT LAYOUT	
DESCRIPTION	
	REALIGN AND RECONSTRUCT TAXIWAY 'D' PAVEMENT. REMOVE AND INSTALL LIGHTING IMPROVEMENTS. REMARK TAXIWAY 'D'.
	TAXIWAY 'D' AND 'F' PAVEMENT REHABILITATION, CRACK CLEANING AND SEALING AND REMARKING. REMOVE AND INSTALL LIGHTING IMPROVEMENTS.

File: L:\2016\16121501 - BPT, TW D Phase, 3 FD & Bidding\Drawings\BPT, TW D\_C701\_Geom.dwg, Last Save: 8/8/2016 2:48 PM, Last saved by: JSuarez, Last plotted by: Suarez, Javier, Plot Style: Garver\_Standard Half.ctb, Plot Scale: 1:2, Plot Date: 8/8/2016 3:02 PM, Plotter used: lgjydc02\Canon FR C4080 PS

RUNWAY 12-30



REGISTRATION NO.  
F-5713



DIGITALLY SIGNED  
08/08/2016

BY  
TDD

DESCRIPTION  
ADDENDUM # 1

DATE  
8/8/16

REV.  
1

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX

TAXIWAY D RECONSTRUCTION (2016)

GEOMETRIC PLAN II

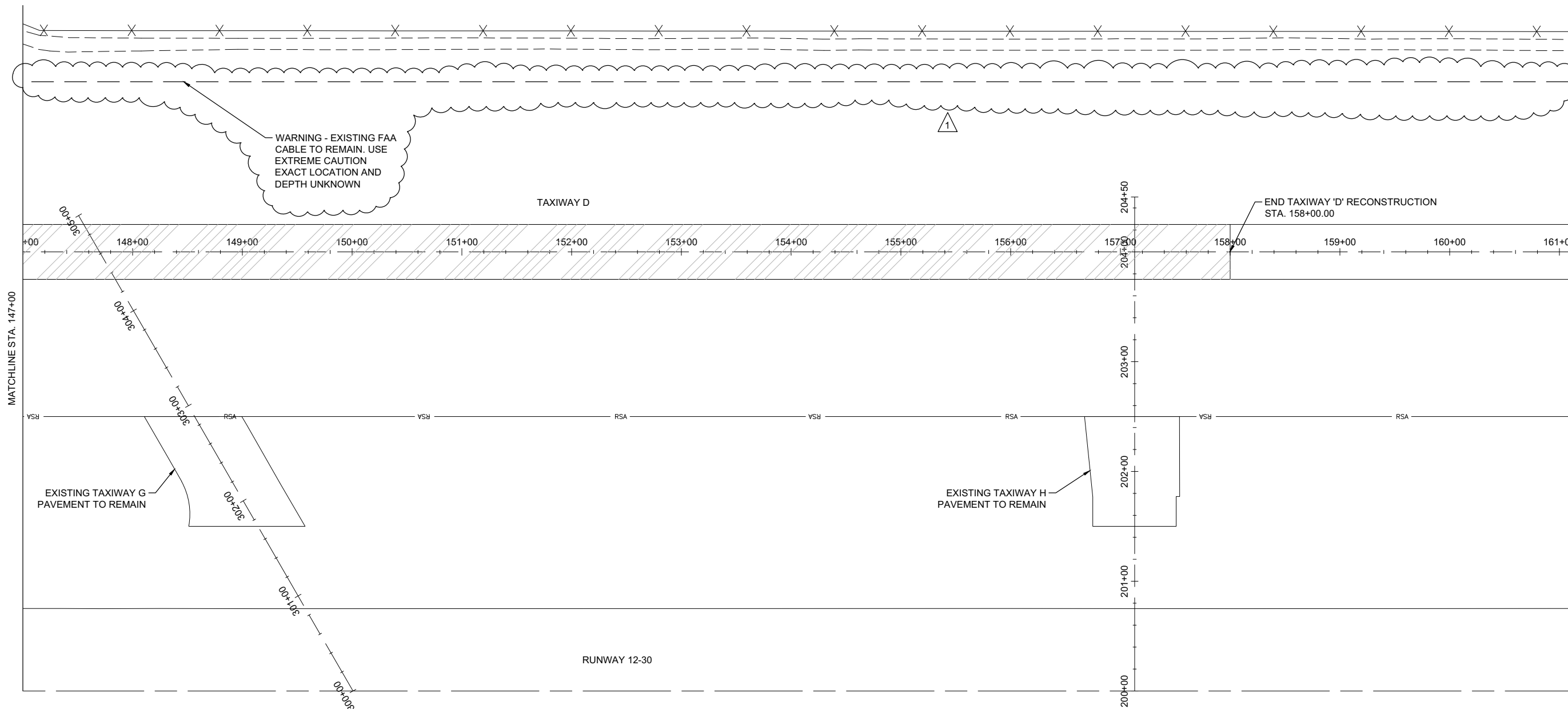
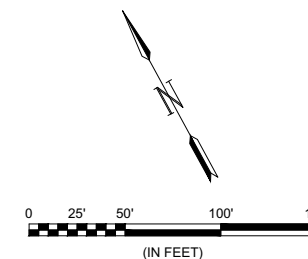
JOB NO.: 16121501  
DATE: JULY, 2016  
DESIGNED BY: TDD  
DRAWN BY: JS

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER

**C-702**

SHEET NUMBER  
**26**

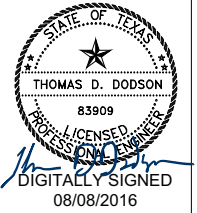


PROJECT LAYOUT	
DESCRIPTION	
	REALIGN AND RECONSTRUCT TAXIWAY 'D' PAVEMENT. REMOVE AND INSTALL LIGHTING IMPROVEMENTS. REMARK TAXIWAY 'D'.
	CONSTRUCT AND MARK NEW TAXIWAY 'G' PAVEMENT. INSTALL NEW TAXIWAY 'G' LIGHTING.

File: L:\2016\16121501 - BPT, TW D Phase, 3 FD & Bidding\Drawings\BPT\_TWD\_C702\_GE.dwg, Last Save: 8/8/2016 2:48 PM, Last saved by: JSuarez, Last plotted by: Suarez, Javier, Plot Style: Garver Standard Half, ctb, Plot Scale: 1:2, Plot Date: 8/8/2016 3:03 PM, Plotter used: lgjydc02\Canon IR C4080 PS



REGISTRATION NO.  
F-5713



REV	DATE	DESCRIPTION	BY
1	8/8/16	ADDENDUM # 1	TDD

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX

TAXIWAY D RECONSTRUCTION (2016)

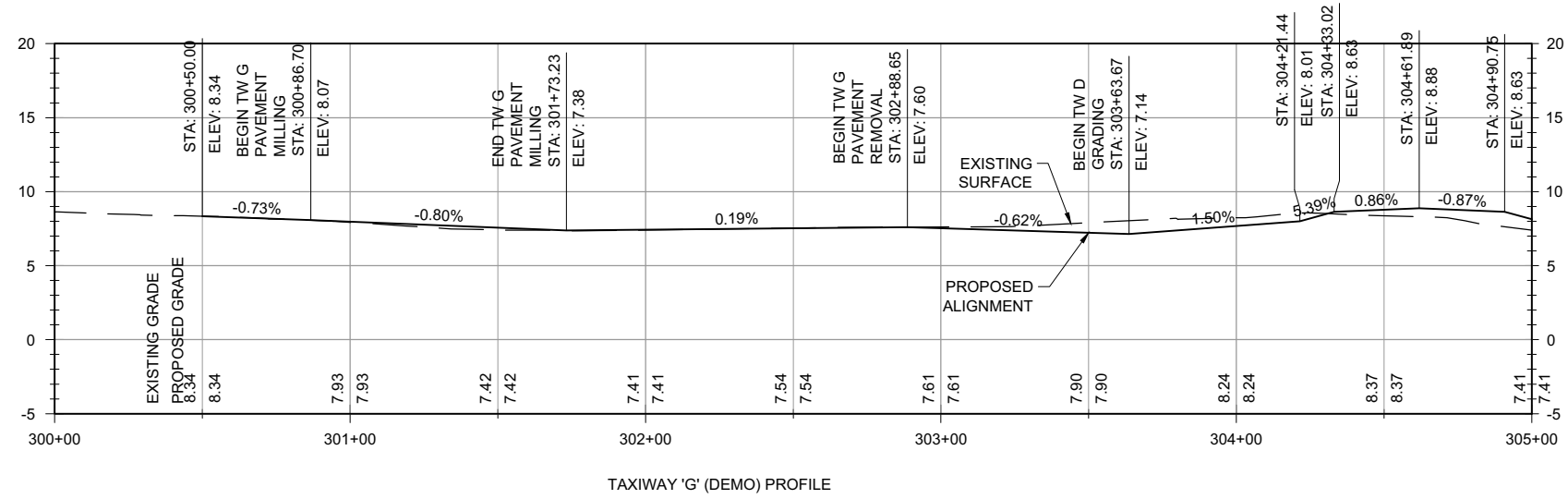
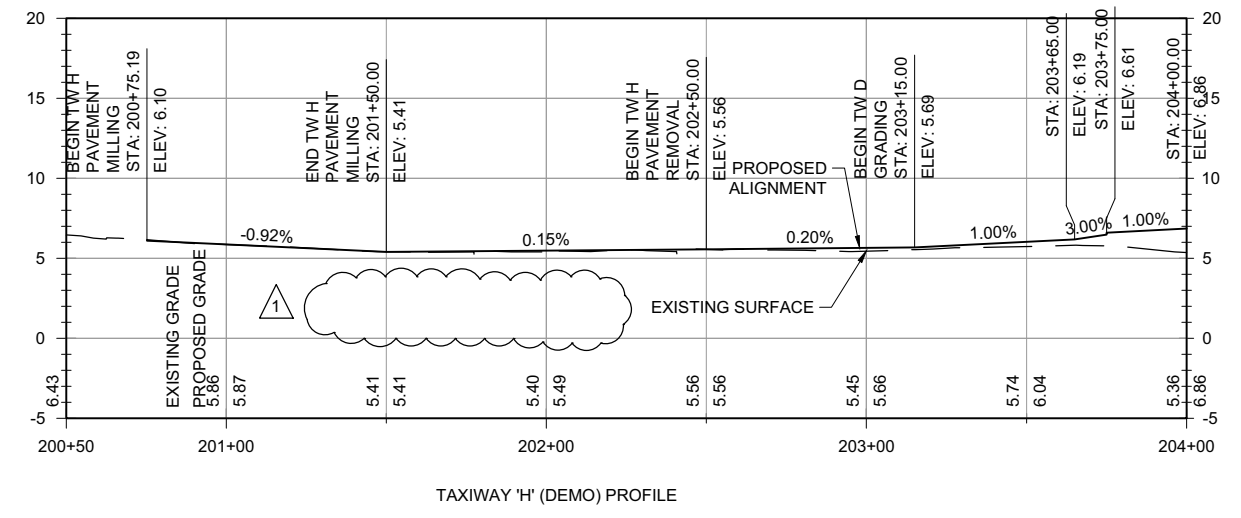
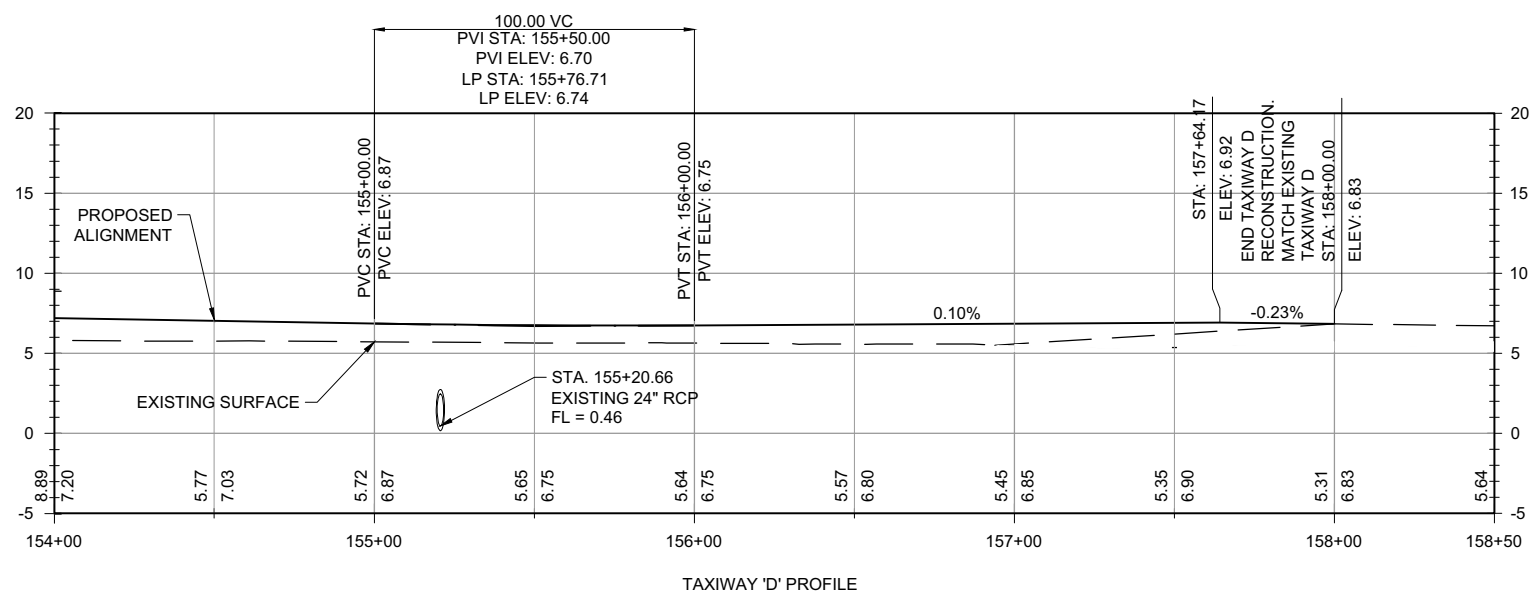
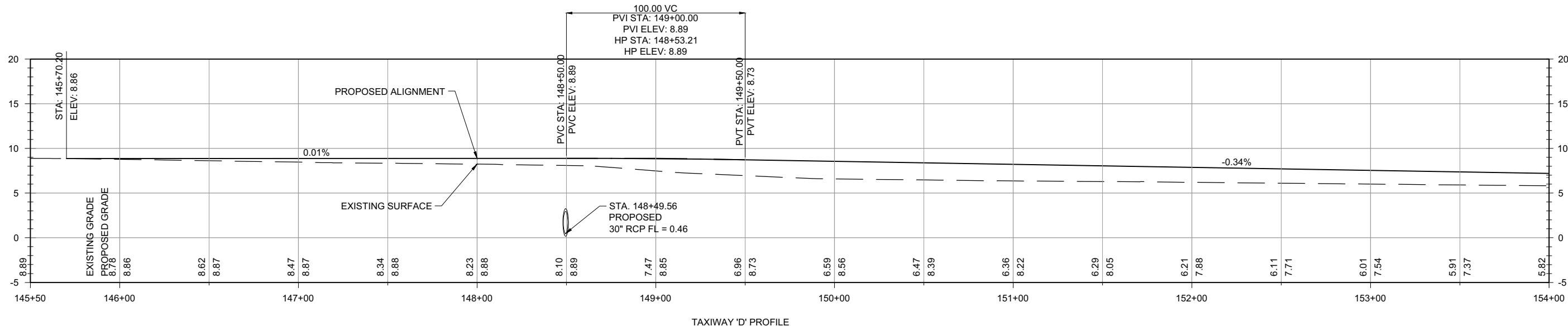
PAVEMENT PROFILES

JOB NO.: 16121501  
DATE: JULY, 2016  
DESIGNED BY: TDD  
DRAWN BY: JS

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**C-801**

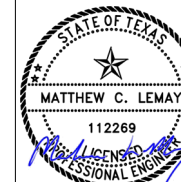
SHEET NUMBER  
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REGISTRATION NO. F-5713



DIGITALLY SIGNED 08/08/2016

BY: MCL

DESCRIPTION: ADDENDUM # 1

DATE: 8/8/16

REV: 1

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX  
TAXIWAY D RECONSTRUCTION (2016)

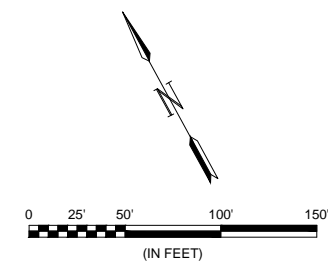
LIGHTING REMOVAL PLAN I

JOB NO.: 16121501  
DATE: JULY, 2016  
DESIGNED BY: MCL  
DRAWN BY: JKS

BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

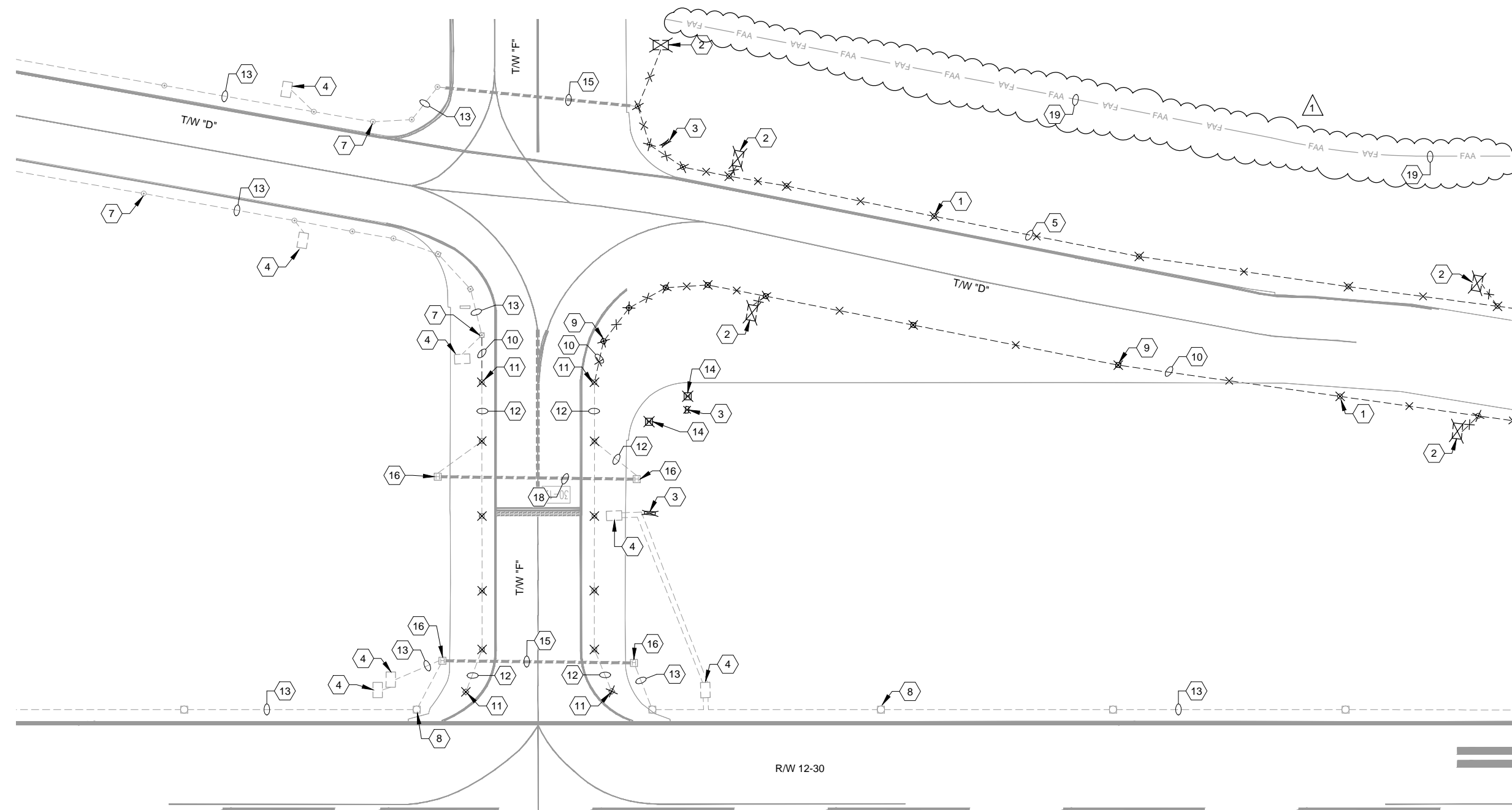
DRAWING NUMBER E-101

SHEET NUMBER 52



GENERAL NOTE:  
1. SEE SHEET E-001 FOR KEYED NOTES.

MATCHLINE SHEET E-102



R/W 12-30

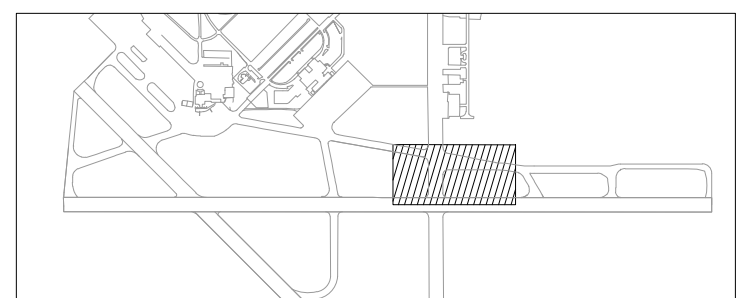
DEMOLITION KEYED NOTES:

- 1 REMOVE EXISTING STAKE-MOUNTED TAXIWAY EDGE LIGHT. (TYPICAL)
- 2 REMOVE EXISTING BASE MOUNTED TAXIWAY GUIDANCE SIGN. (TYPICAL)
- 3 DEMOLISH EXISTING ABANDONED CONCRETE GUIDANCE SIGN BASE.
- 4 EXISTING GUIDANCE SIGN TO REMAIN. (TYPICAL)
- 5 ABANDON EXISTING DEB SERIES CIRCUIT IN PLACE. (TYPICAL)
- 7 EXISTING TAXIWAY EDGE LIGHT TO REMAIN. (TYPICAL)
- 8 EXISTING RUNWAY EDGE LIGHT TO REMAIN. (TYPICAL)
- 9 REMOVE AND STORE EXISTING IN-PAVEMENT, ELEVATED TAXIWAY EDGE LIGHT. DEMOLISH BASE.
- 10 REMOVE EXISTING AIRFIELD CIRCUIT AND ABANDON EXISTING CONDUIT SYSTEM. (TYPICAL)
- 11 REMOVE EXISTING IN-PAVEMENT, ELEVATED TAXIWAY EDGE LIGHT AND ISOLATION TRANSFORMER. BASE TO REMAIN. (TYPICAL OF 12)
- 12 REMOVE EXISTING CABLE FROM EXISTING CONDUIT SYSTEM.
- 13 EXISTING AIRFIELD CIRCUIT TO REMAIN. (TYPICAL)
- 14 DEMOLISH EXISTING JUNCTION STRUCTURE.
- 15 EXISTING ELECTRICAL DUCT BANK TO REMAIN. (TYPICAL)
- 16 EXISTING JUNCTION STRUCTURE TO REMAIN.
- 18 REMOVE EXISTING CABLE FROM EXISTING ELECTRICAL DUCT BANK.
- 19 EXISTING FAA CABLE TO REMAIN. FIELD LOCATE PRIOR TO DEMOLITION AND PROTECT DURING CONSTRUCTION.

CAUTION NOTES:

1. UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.
2. TEXAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE TEXAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-245-4545. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE TEXAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.

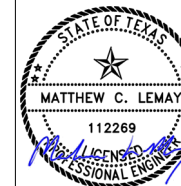
KEYMAP



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REGISTRATION NO.  
F-5713



DIGITALLY SIGNED  
08/08/2016

REV.	DATE	DESCRIPTION	BY
1	8/8/16	ADDENDUM # 1	MCL

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX

TAXIWAY D RECONSTRUCTION (2016)

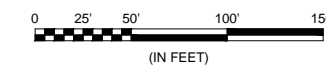
LIGHTING REMOVAL  
PLAN II

JOB NO.: 16121501  
DATE: JULY, 2016  
DESIGNED BY: MCL  
DRAWN BY: JKS

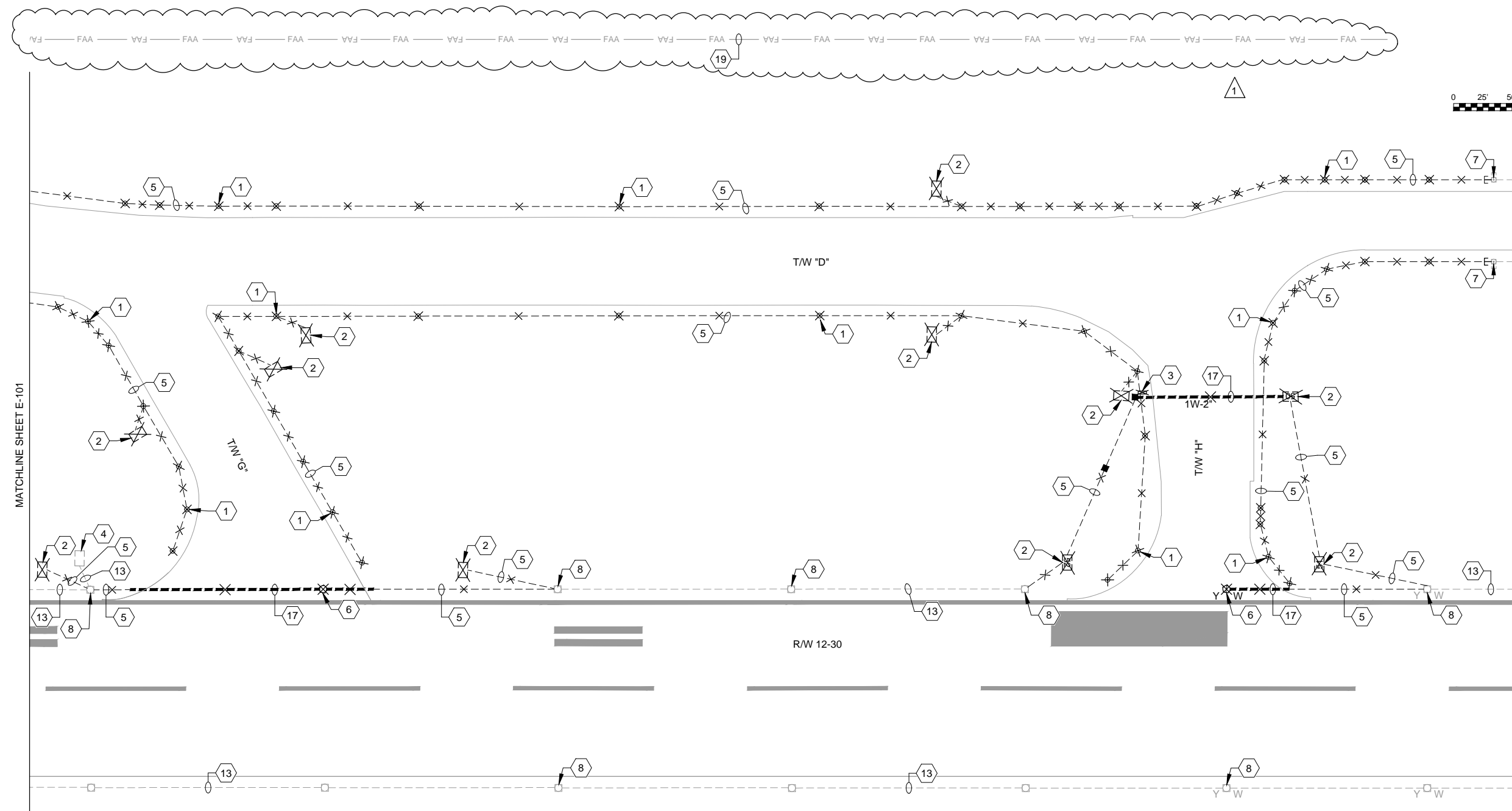
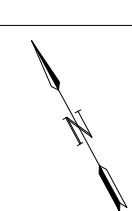
BAR IS ONE INCH ON  
ORIGINAL DRAWING  
IF NOT ONE INCH ON  
THIS SHEET, ADJUST  
SCALES ACCORDINGLY.

DRAWING NUMBER  
**E-102**

SHEET NUMBER  
**53**



(IN FEET)



**DEMOLITION KEYED NOTES:**

- 1 REMOVE EXISTING STAKE-MOUNTED TAXIWAY EDGE LIGHT. (TYPICAL)
- 2 REMOVE EXISTING BASE MOUNTED TAXIWAY GUIDANCE SIGN. (TYPICAL)
- 3 DEMOLISH EXISTING ABANDONED CONCRETE GUIDANCE SIGN BASE.
- 4 EXISTING GUIDANCE SIGN TO REMAIN. (TYPICAL)
- 5 ABANDON EXISTING DEB SERIES CIRCUIT IN PLACE. (TYPICAL)
- 6 REMOVE AND STORE EXISTING IN-PAVEMENT RUNWAY EDGE LIGHT. DEMOLISH BASE.
- 7 EXISTING TAXIWAY EDGE LIGHT TO REMAIN. (TYPICAL)
- 8 EXISTING RUNWAY EDGE LIGHT TO REMAIN. (TYPICAL)
- 13 EXISTING AIRFIELD CIRCUIT TO REMAIN. (TYPICAL)
- 17 REMOVE EXISTING AIRFIELD CIRCUIT AND DEMOLISH ELECTRICAL DUCT BANK IN PLACE.
- 19 EXISTING FAA CABLE TO REMAIN. FIELD LOCATE PRIOR TO DEMOLITION AND PROTECT DURING CONSTRUCTION.

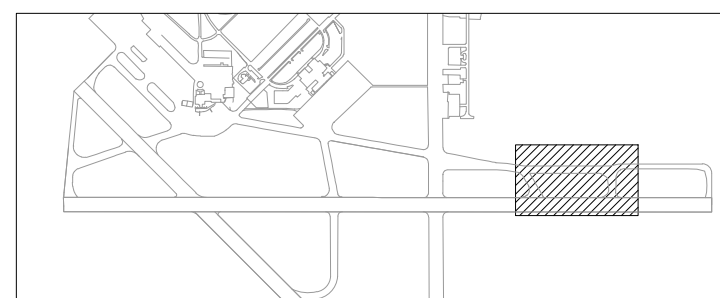
**GENERAL NOTE:**

- 1. SEE SHEET E-001 FOR KEYED NOTES.

**CAUTION NOTES:**

- 1. UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.
- 2. TEXAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE TEXAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-245-4545. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE TEXAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.

**KEYMAP**



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REGISTRATION NO. F-5713



DIGITALLY SIGNED 08/08/2016

REV.	DATE	DESCRIPTION	BY
1	8/8/16	ADDENDUM # 1	MCL

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX

TAXIWAY D RECONSTRUCTION (2016)

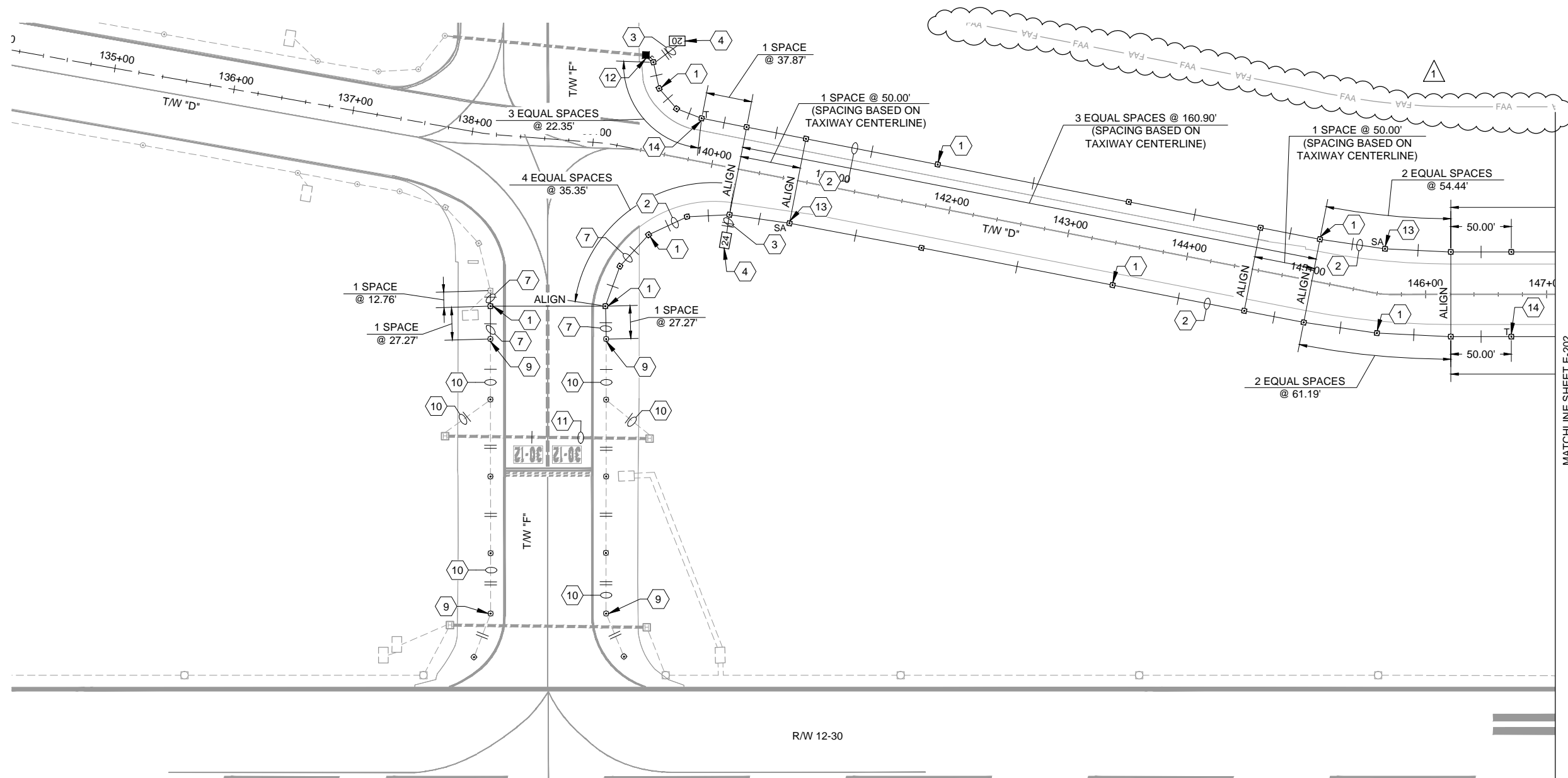
LIGHTING  
INSTALLATION PLAN I

JOB NO.: 16121501  
DATE: JULY, 2016  
DESIGNED BY: MCL  
DRAWN BY: JKS

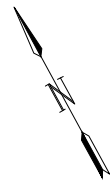
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
**E-201**

SHEET NUMBER  
**54**



MATCHLINE SHEET E-202



**GENERAL NOTE:**

- SEE SHEET E-001 FOR KEYED NOTES.

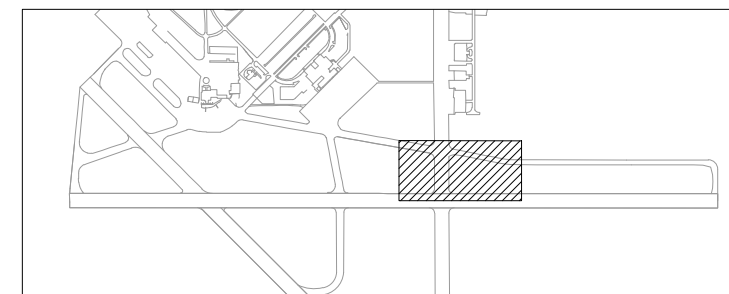
**CAUTION NOTES:**

- UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.
- TEXAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE TEXAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-245-4545. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE TEXAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.

**INSTALLATION KEYED NOTES:**

- ① INSTALL NEW L-861T(L) BASE-MOUNTED TAXIWAY EDGE LIGHT. (TYPICAL)
- ② INSTALL NEW TRENCH TYPE "A". (TYPICAL)
- ③ INSTALL NEW TRENCH TYPE "B". (TYPICAL)
- ④ INSTALL NEW BASE-MOUNTED L-858(L) GUIDANCE SIGN. SEE SHEET E-305 FOR SIGN INDEX.
- ⑤ INSTALL NEW TRENCH TYPE "C". (TYPICAL FOR CONDUIT INSTALLED IN EXISTING PAVEMENT)
- ⑥ INSTALL NEW L-861T(L) BASE-MOUNTED TAXIWAY EDGE LIGHT ON EXISTING BASE. (TYPICAL OF 12)
- ⑦ INSTALL NEW AIRFIELD CIRCUIT IN EXISTING CONDUIT.
- ⑧ INSTALL NEW L-861T(L) BASE-MOUNTED TAXIWAY EDGE LIGHT. (TYPICAL)
- ⑨ INSTALL NEW TRENCH TYPE "A". (TYPICAL)
- ⑩ INSTALL NEW TRENCH TYPE "B". (TYPICAL)
- ⑪ INSTALL NEW AIRFIELD CIRCUIT IN EXISTING ELECTRICAL DUCT BANK.
- ⑫ INSTALL NEW 2 FT WATERTIGHT CONDUIT STUB-OUT FOR CONNECTION OF EXISTING DEB CIRCUIT TO NEW AIRFIELD CIRCUIT. SPLICE EXISTING CONDUCTORS TO NEW CONDUCTORS UTILIZING DEB SPLICE. INSTALL NEW DUCT MARKER AT SPLICE LOCATION.
- ⑬ INSTALL NEW SURGE ARRESTOR IN LINE WITH THE SERIES CIRCUIT. INSTALL BRASS INPAVEMENT MARKER ON CONCRETE LIGHT BASE ENGRAVED WITH "SA".
- ⑭ INSTALL DRAINABLE AGGREGATE AREA AT INDICATED EDGE LIGHT. SEE DRAIN NOTE ON SHEET E-301, DETAIL 1, NOTE 4.

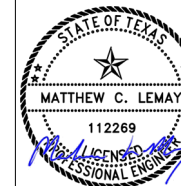
**KEYMAP**



File: L:\2016\16121501 - BPT, TWD Phase 3 FD & Bidding\Drawings\BPT\_TWD\_E201\_RL.dwg, Last Save: 8/6/2016 3:06 PM, Last saved by: JSuarez, Last plotted by: Suarez, Javier, Plot Style: AECmonochrome.ctb, Plot Scale: 1:2, Plot Date: 8/6/2016 3:19 PM, Plotter used: DWG To PDF.pc3



REGISTRATION NO.  
F-5713



DIGITALLY SIGNED  
08/08/2016

BY: MCL

DESCRIPTION: ADDENDUM # 1

DATE: 8/8/16

REV: 1

JACK BROOKS REGIONAL AIRPORT  
JEFFERSON COUNTY, TX

TAXIWAY D RECONSTRUCTION (2016)

LIGHTING  
INSTALLATION PLAN II

JOB NO.: 16121501  
DATE: JULY, 2016  
DESIGNED BY: MCL  
DRAWN BY: JKS

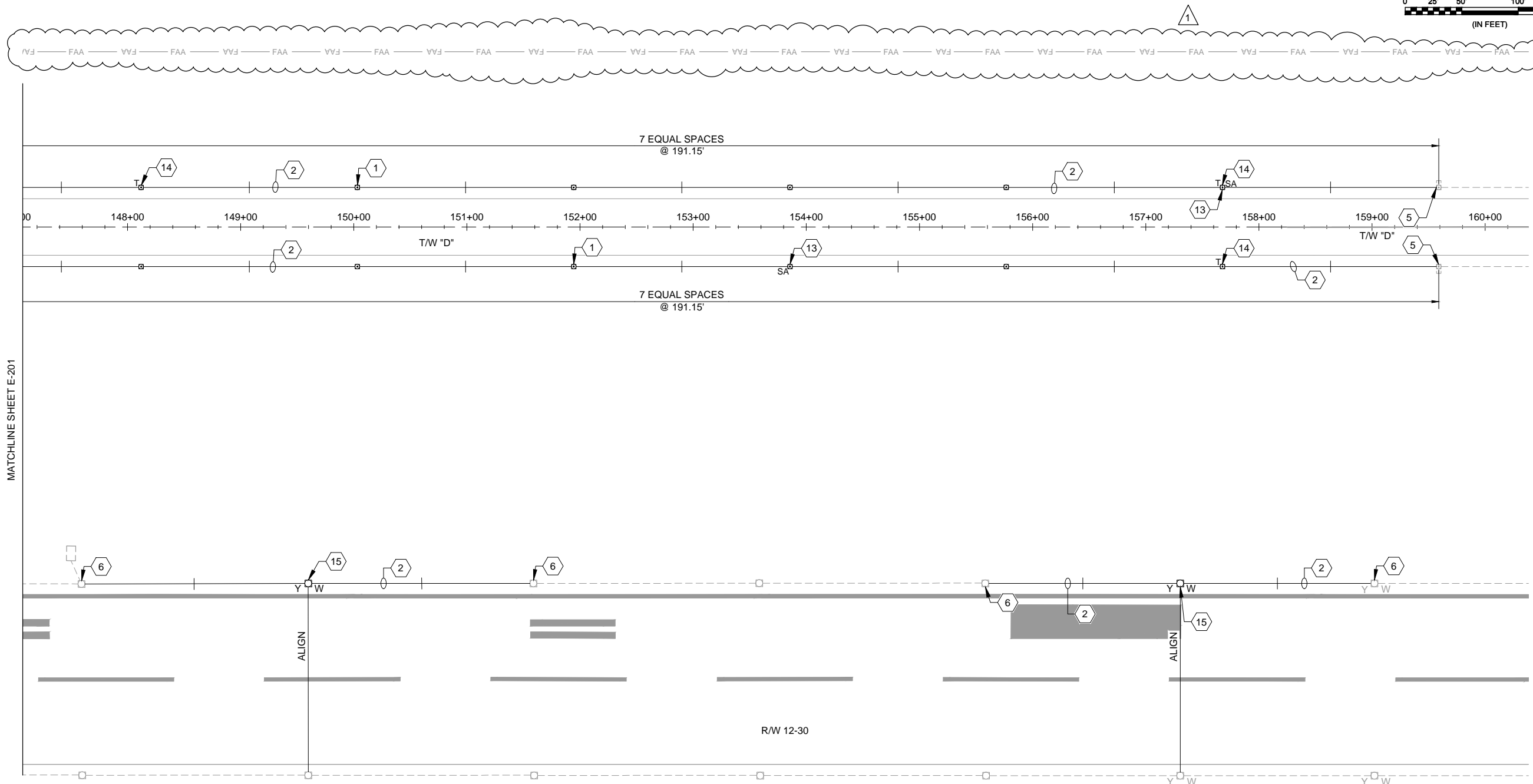
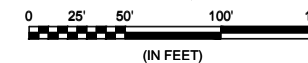
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

DRAWING NUMBER  
E-202

SHEET NUMBER  
55

GENERAL NOTE:

- 1. SEE SHEET E-001 FOR KEYED NOTES.



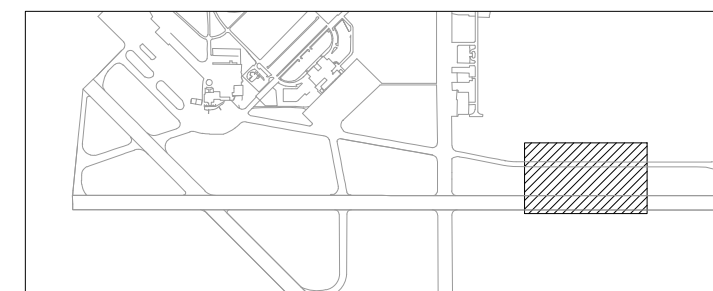
INSTALLATION KEYED NOTES:

- 1 INSTALL NEW L-861T(L) BASE-MOUNTED TAXIWAY EDGE LIGHT. (TYPICAL)
- 2 INSTALL NEW TRENCH TYPE "A". (TYPICAL)
- 5 CONNECT NEW 1W-2"C NON-ENCASED CONDUIT TO EXISTING CONDUIT STUB-OUT FOR CONNECTION TO EXISTING TAXIWAY LIGHT.
- 6 CORE DRILL EXISTING LIGHT BASE FOR CONNECTION OF NEW CIRCUIT TO EXISTING CIRCUIT.
- 13 INSTALL NEW SURGE ARRESTOR IN LINE WITH THE SERIES CIRCUIT. INSTALL BRASS INPAVEMENT MARKER ON CONCRETE LIGHT BASE ENGRAVED WITH "SA".
- 14 INSTALL DRAINABLE AGGREGATE AREA AT INDICATED EDGE LIGHT. SEE DRAIN NOTE ON SHEET E-301, DETAIL 1, NOTE 4.
- 15 INSTALL NEW L-862 RUNWAY EDGE LIGHT.

CAUTION NOTES:

- 1. UNDERGROUND UTILITIES EXIST WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION. AN ATTEMPT HAS BEEN MADE TO LOCATE THESE UTILITIES ON THE PLANS, HOWEVER, ALL EXISTING UTILITIES MAY NOT BE SHOWN AND THE ACTUAL LOCATIONS OF THE UTILITIES MAY VARY FROM THE LOCATIONS SHOWN. PRIOR TO BEGINNING ANY TYPE OF EXCAVATION, THE CONTRACTOR SHALL CONTACT THE UTILITIES INVOLVED AND MAKE ARRANGEMENTS FOR THE LOCATION OF THE UTILITIES ON THE GROUND. THE CONTRACTOR SHALL MAINTAIN THE UTILITY LOCATION MARKINGS UNTIL THEY ARE NO LONGER NECESSARY.
- 2. TEXAS STATE LAW, THE UNDERGROUND FACILITIES DAMAGE PREVENTION ACT, REQUIRES TWO WORKING DAYS ADVANCE NOTIFICATION THROUGH THE TEXAS ONE-CALL SYSTEM CENTER BEFORE EXCAVATING USING MECHANIZED EQUIPMENT OR EXPLOSIVES (EXCEPT IN THE CASE OF AN EMERGENCY). THE ONE-CALL SYSTEM PHONE NUMBER IS 1-800-245-4545. THE CONTRACTOR IS ADVISED THAT THERE IS A SEVERE PENALTY FOR NOT MAKING THIS CALL. NOT ALL UTILITY COMPANIES ARE MEMBERS OF THE TEXAS ONE-CALL SYSTEM; THEREFORE, THE CONTRACTOR IS ADVISED TO CONTACT ALL NON-MEMBER UTILITIES AS WELL AS THE ONE-CALL SYSTEM.

KEYMAP







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## MEMORANDUM

**To:** Potential Bidders **Date:** August 8, 2016  
**From:** Thomas D Dodson, PE  
**RE:** Jack Brooks Regional Airport – Taxiway D Reconstruction (2016)  
Bidder Questions

See below for responses to Bidder questions regarding the Taxiway 'D' Reconstruction project at the Jack Brooks Regional Airport.

**Question 1:** Would it be possible to quote the approximately 49 precast housing bases per the PCC specs on P-610 and do we have to be preapproved by any agency (FAA, DOT, etc.) to bid on this project?

**Answer 1:** Vendors and suppliers are welcome to provide precast elements for the project, provided they are manufactured and consist of materials meeting the individual specifications item(s) they are a component of, and that the items are not manufactured prior to execution of the contract with the successful contractor. The Engineer reserves the right to visit the precaster's facility to observe the manufacturing, or may request photo-documentation of the manufacturing process for the specific items to be installed on this project.