



HOUSTON AIRPORT SYSTEM

WILLIAM P. HOBBY AIRPORT

HOUSTON TEXAS

Jacobs

JACOBS ENGINEERING GROUP INC.
5995 ROGERDALE ROAD
HOUSTON, TEXAS 77072
+1-832-351-6000
WWW.JACOBS.COM
TEXAS P.E. FIRM F-2966

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
0 1"

REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	02/24/2023	SC

FAA NON-STANDARD TAXIWAYS PROJECT

CROSS SECTIONS - TAXIWAY D

PROJECT MGR: S. CHILDERS

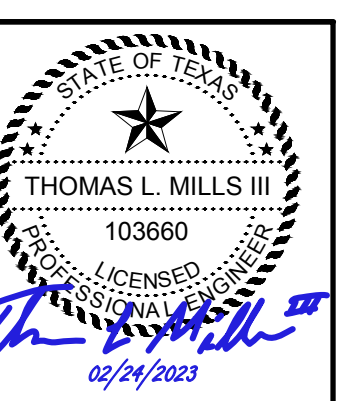
DESIGNER: B. BARTLETT

DRAWN BY: S. WAZIRI

CHECKED BY: R. EHTESHAM

SCALE: AS SHOWN

DATE: 02/24/2023



APPROVED BY: DATE:

DIRECTOR HOUSTON AIRPORT SYSTEM

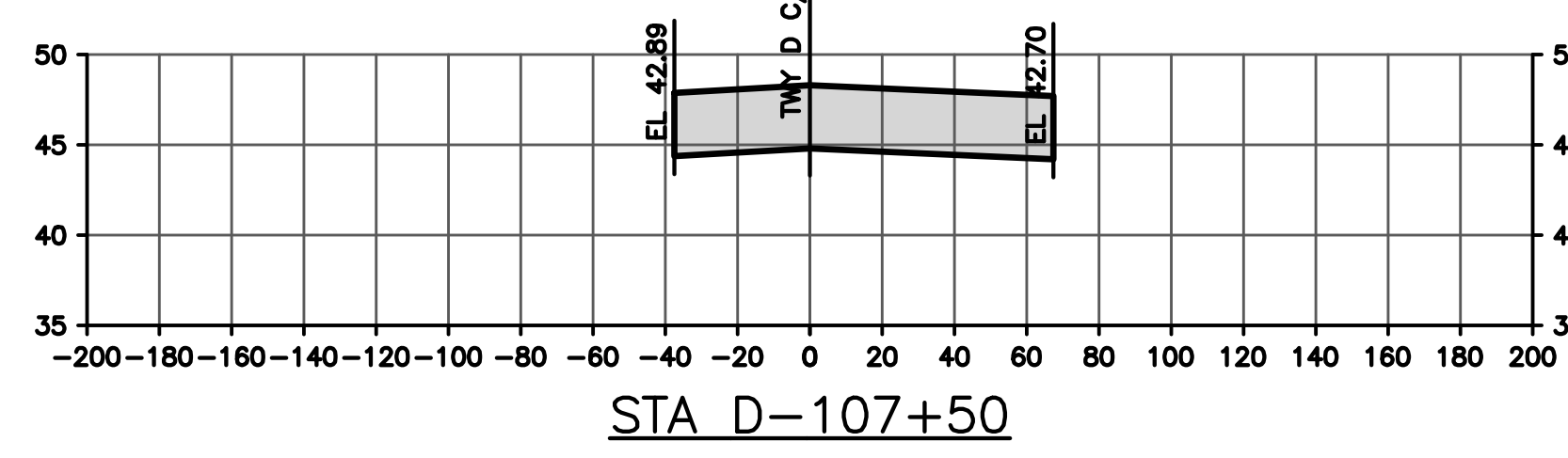
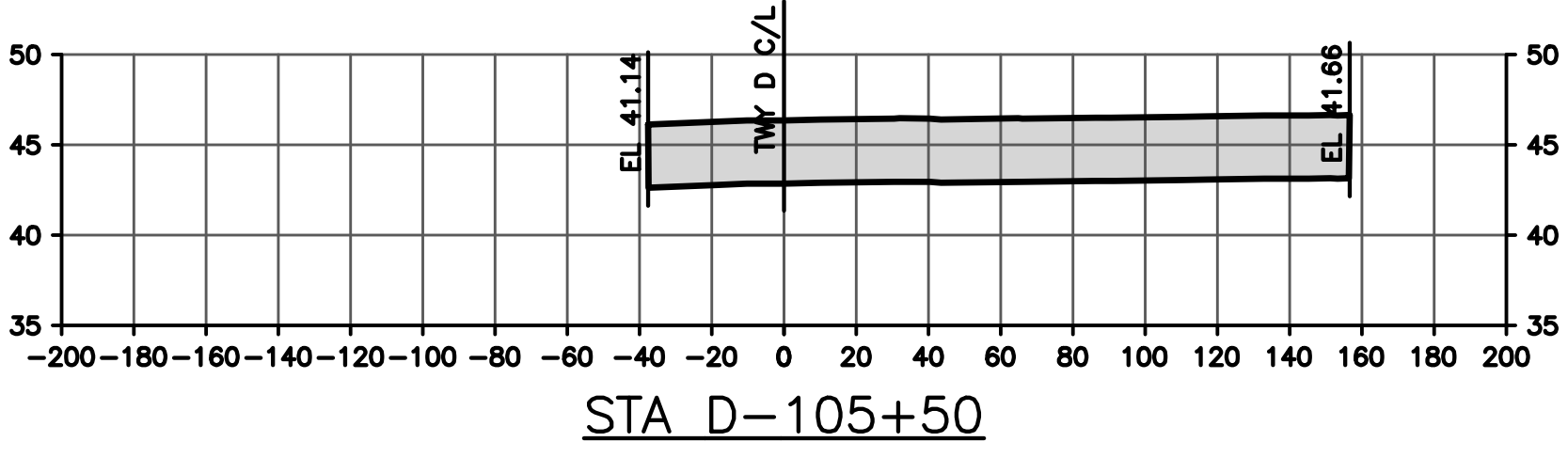
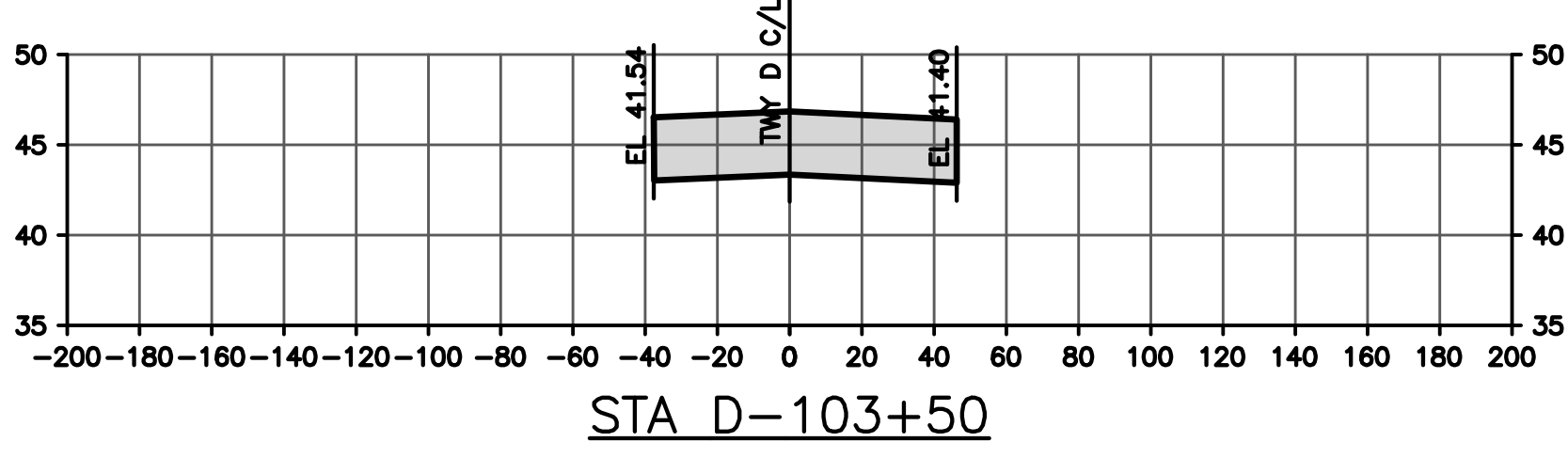
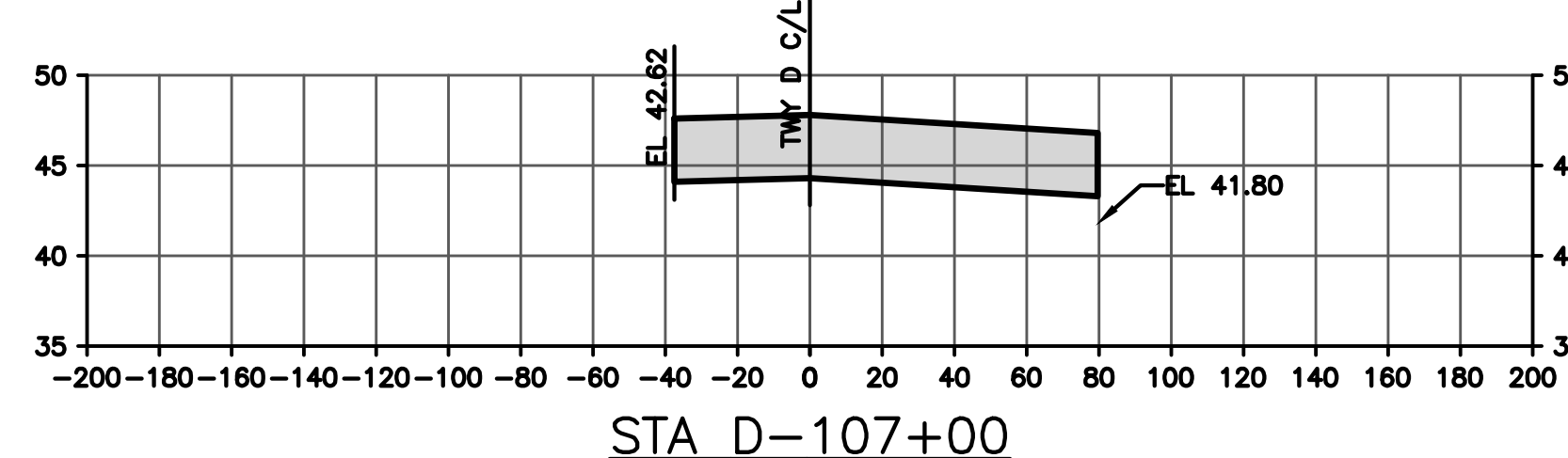
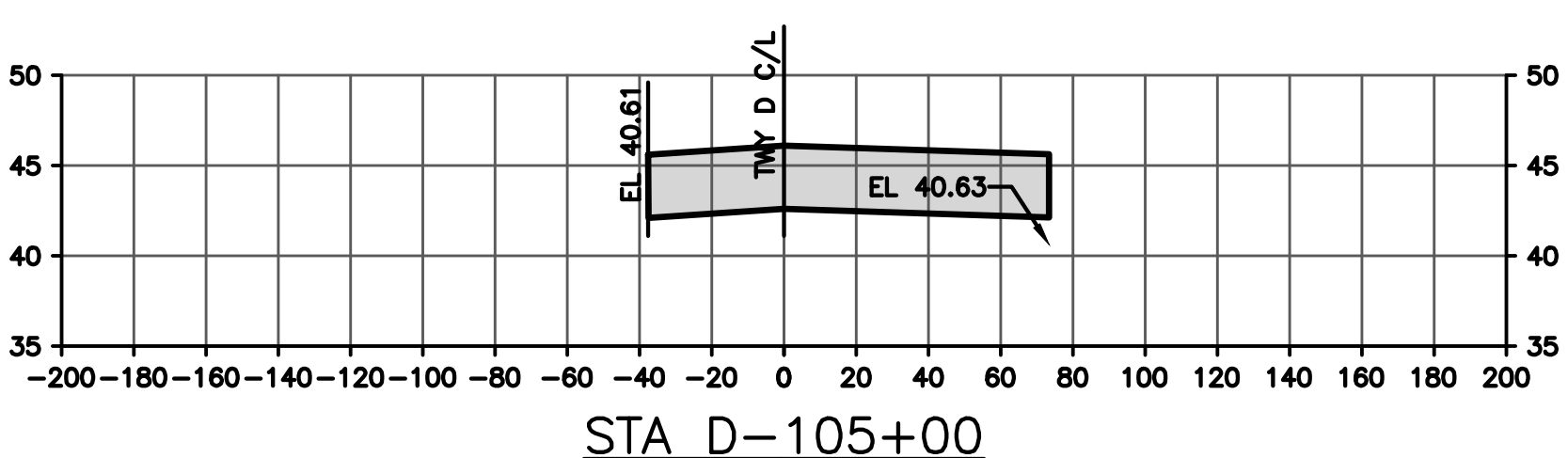
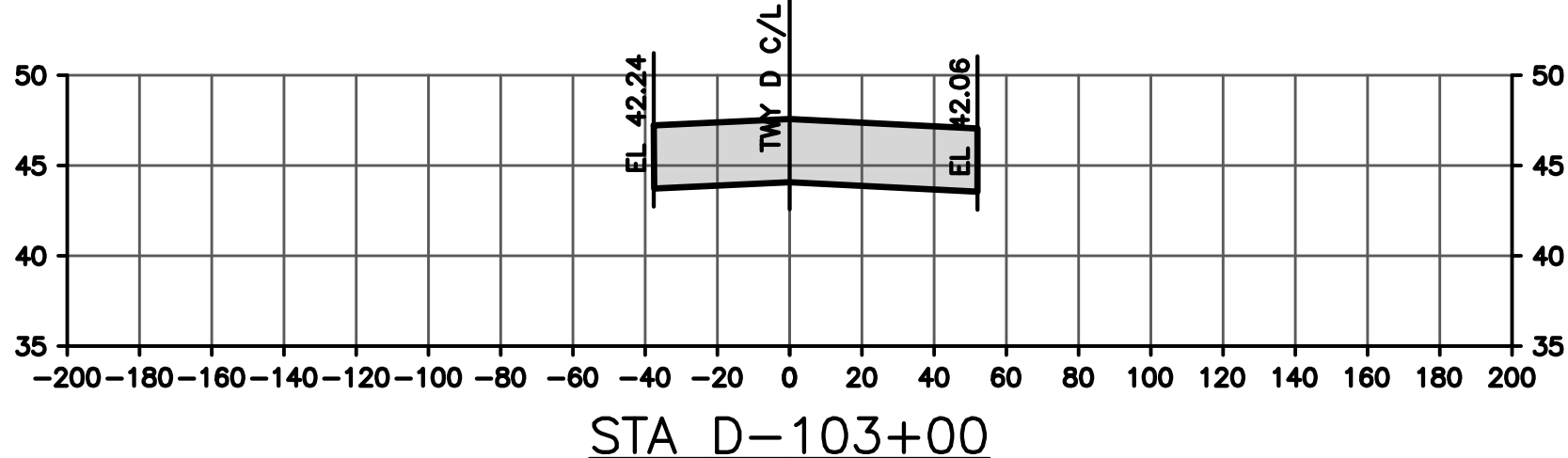
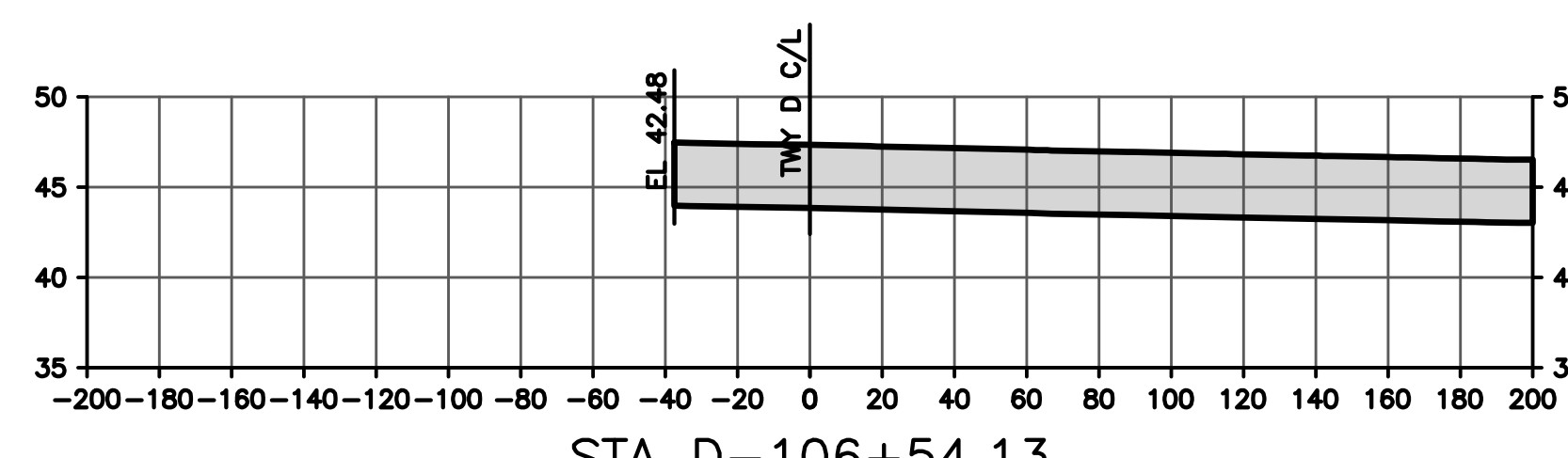
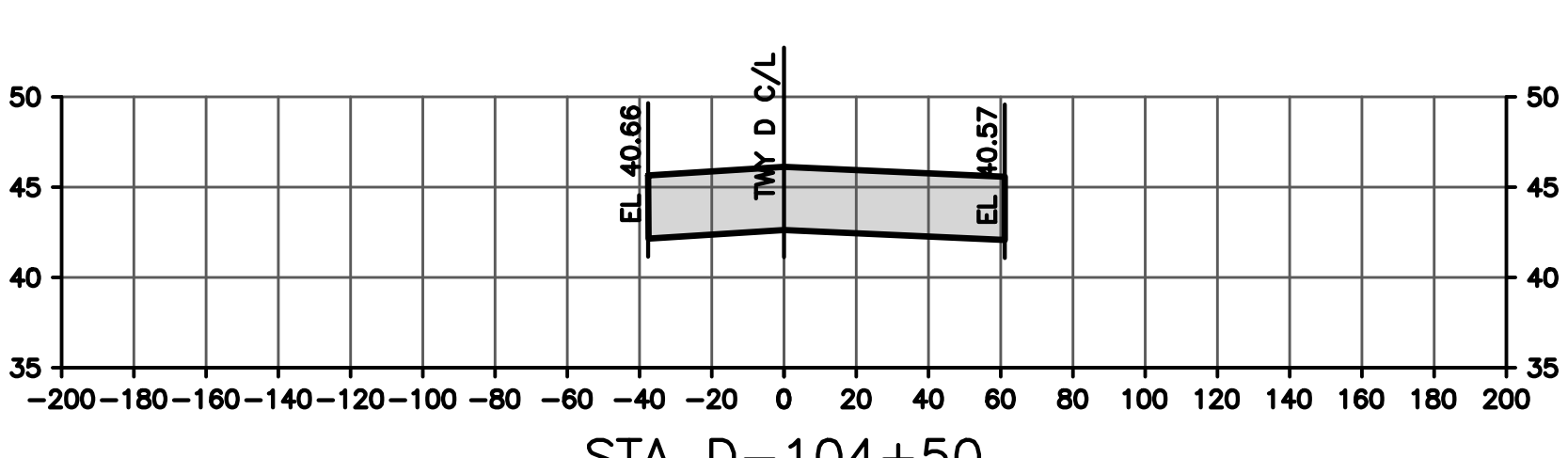
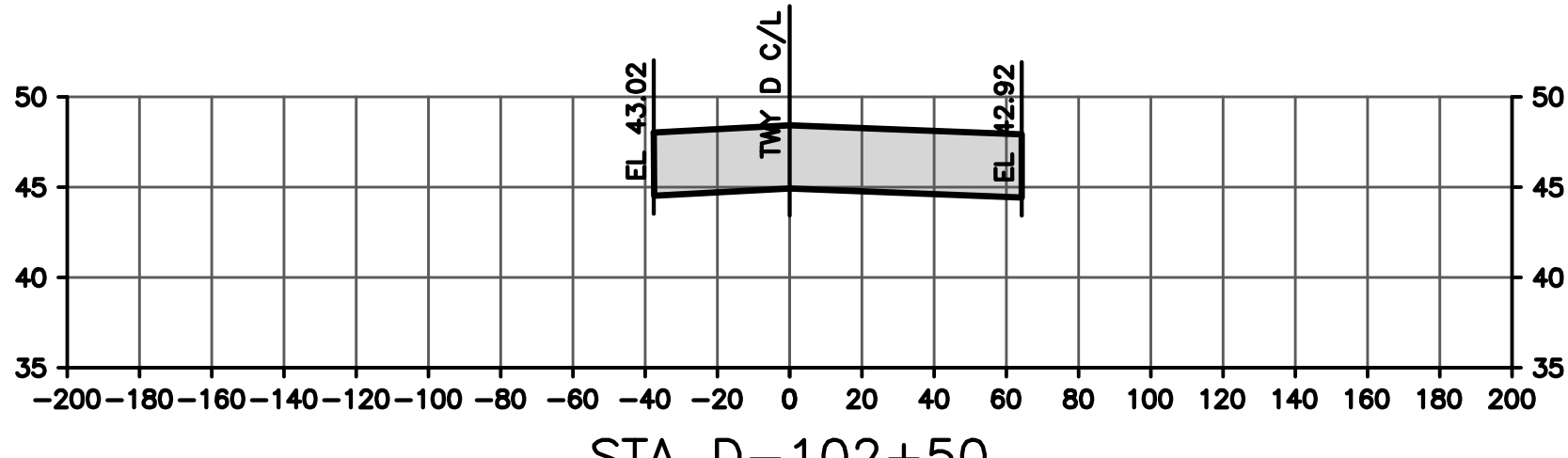
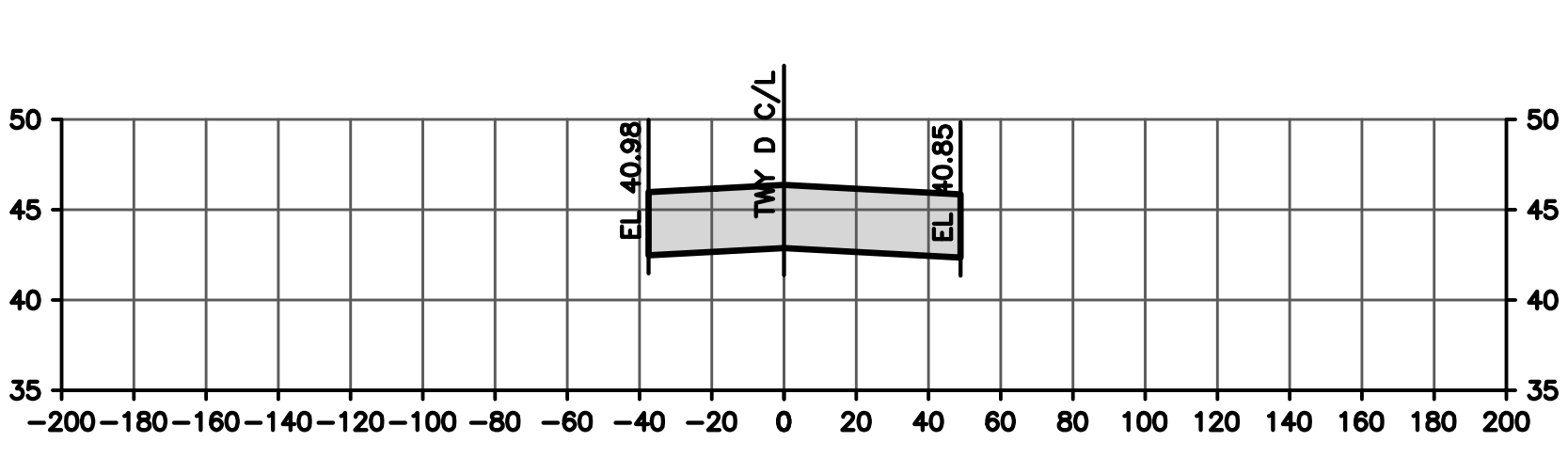
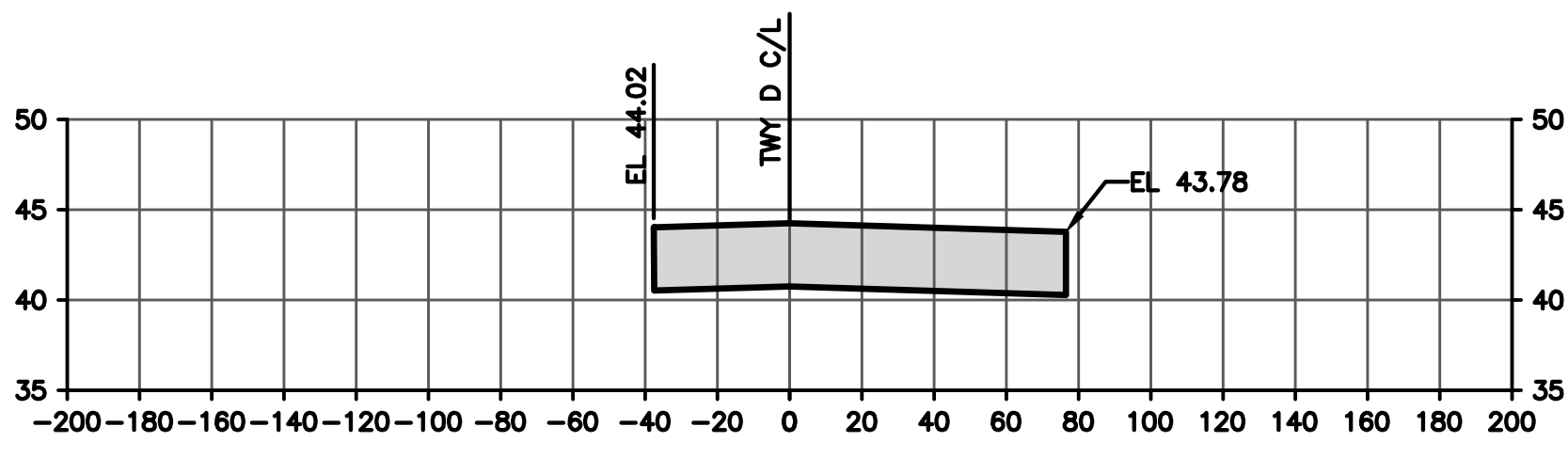
PROJECT NO: 770

C.I.P. NO: 3-48-0110-044

H.A.S. NO: N/A

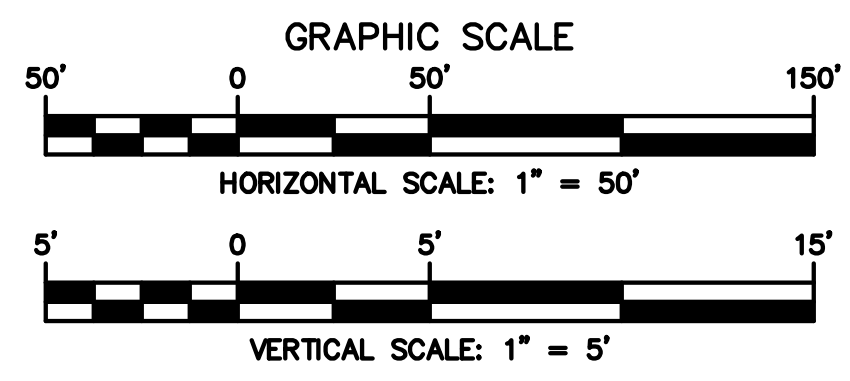
SHEET NO:

XS301
of



LEGEND:

- PROPOSED GRADE
- - - EXISTING GRADE
- ▬ PROPOSED PAVEMENT SECTION OUTLINE





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 TEXAS P.E. FIRM F-2966

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REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	02/24/2023	SC

FAA NON-STANDARD TAXIWAYS PROJECT
 CROSS SECTIONS - TAXIWAY D

PROJECT MGR:	S. CHILDERS
DESIGNER:	B. BARTLETT
DRAWN BY:	S. WAZIRI
CHECKED BY:	R. EHTESHAM
SCALE:	AS SHOWN
DATE:	02/24/2023

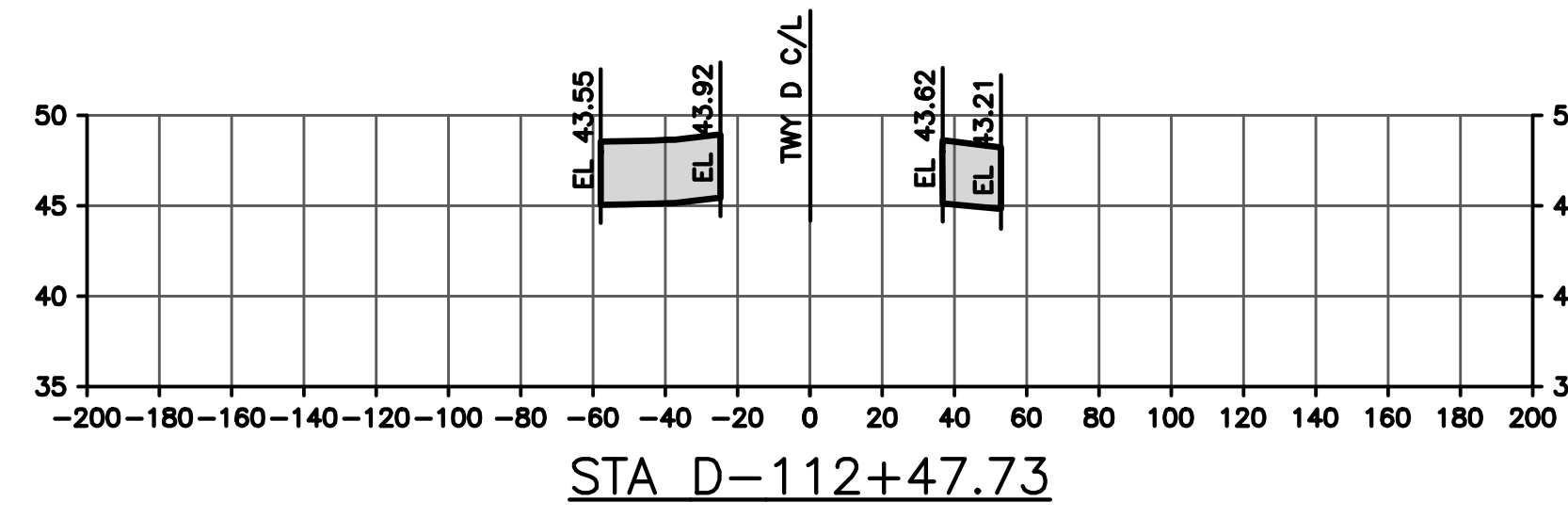
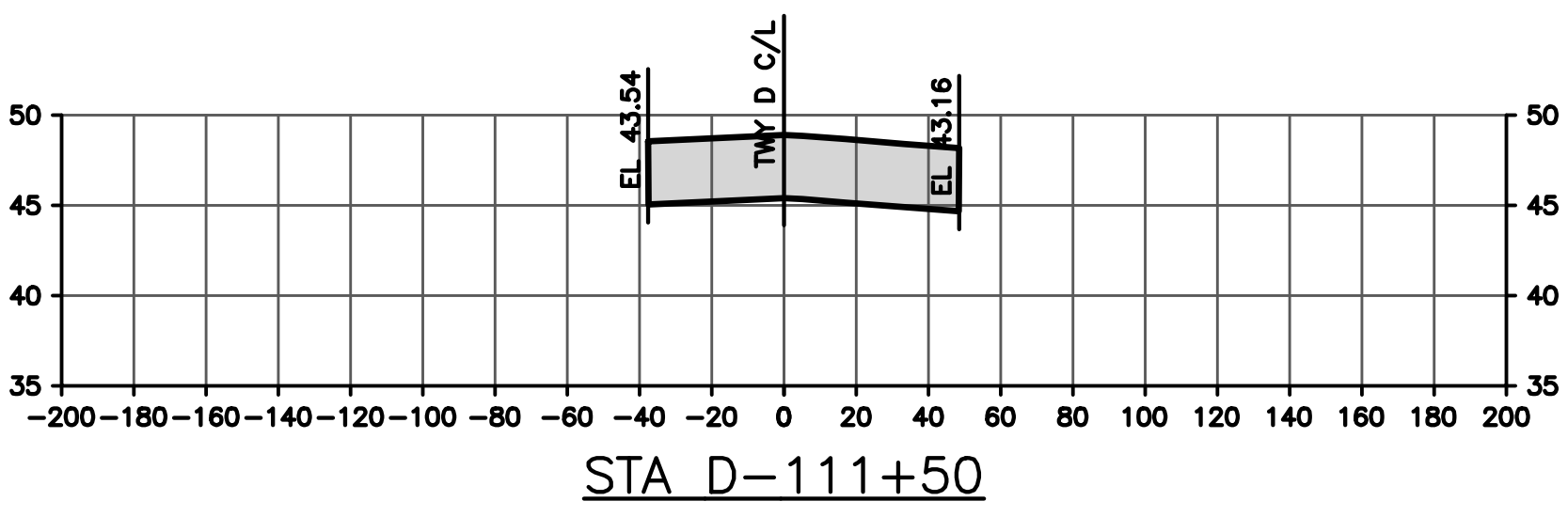
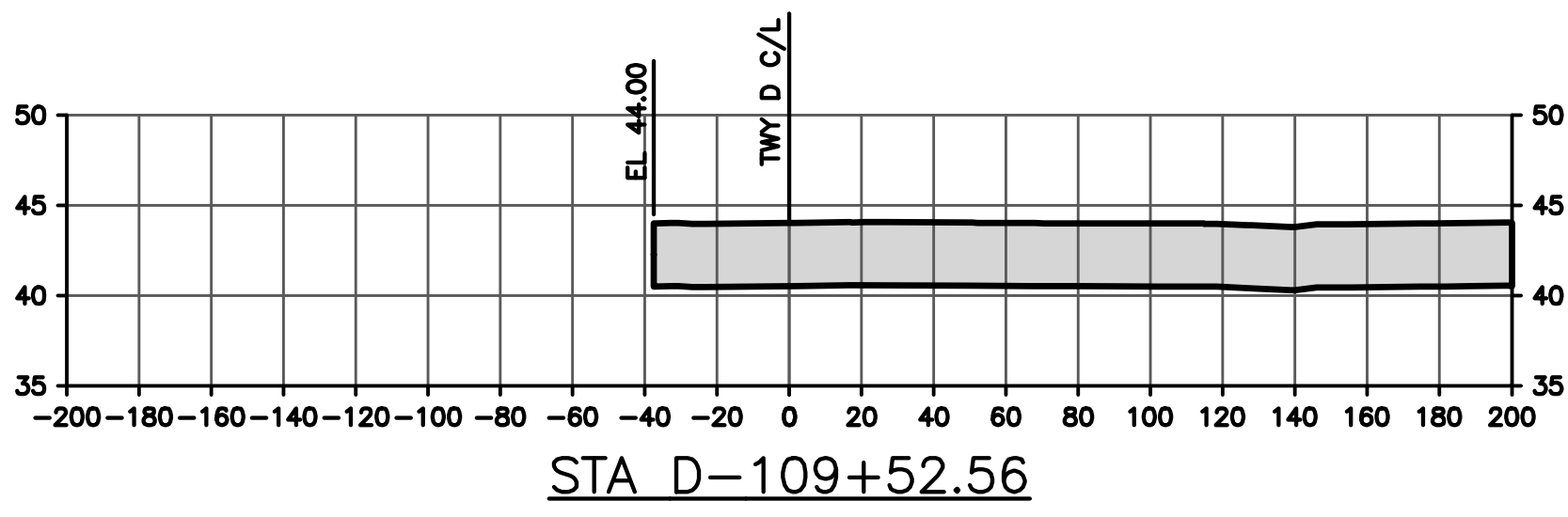
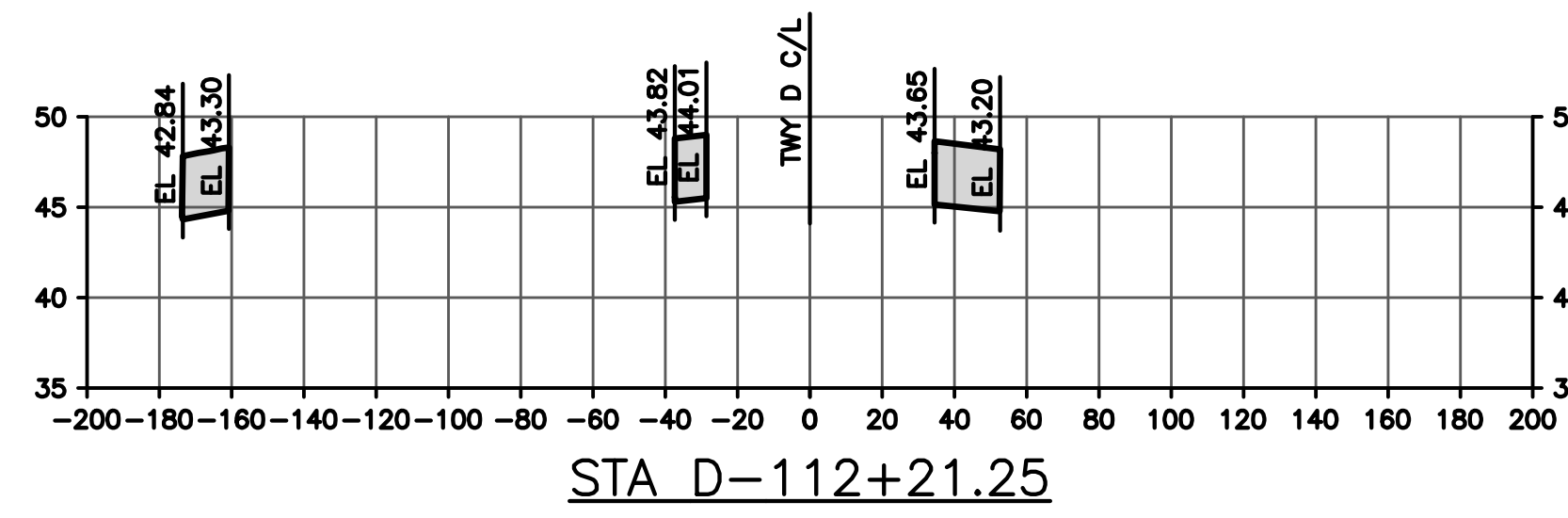
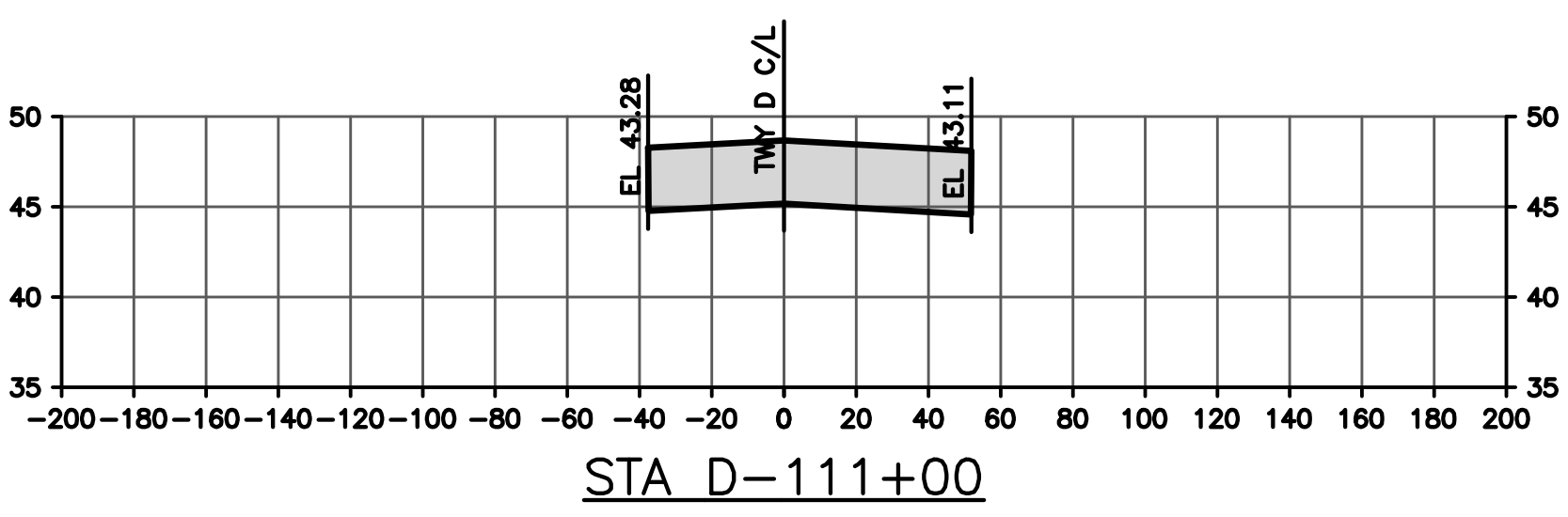
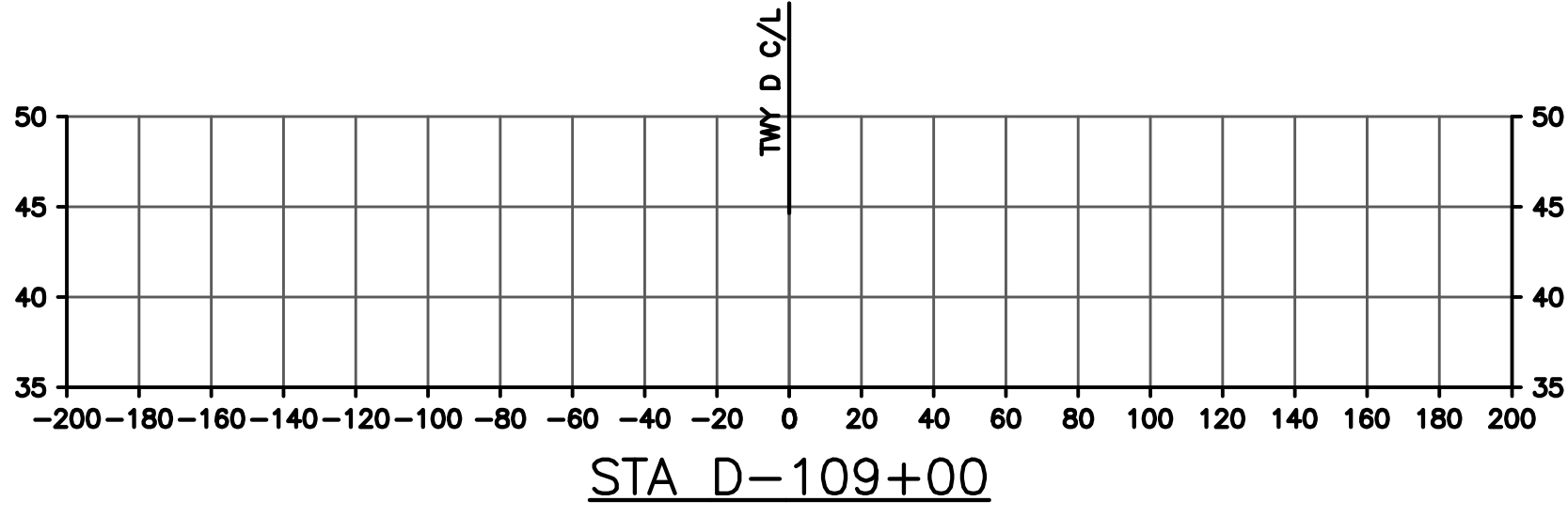
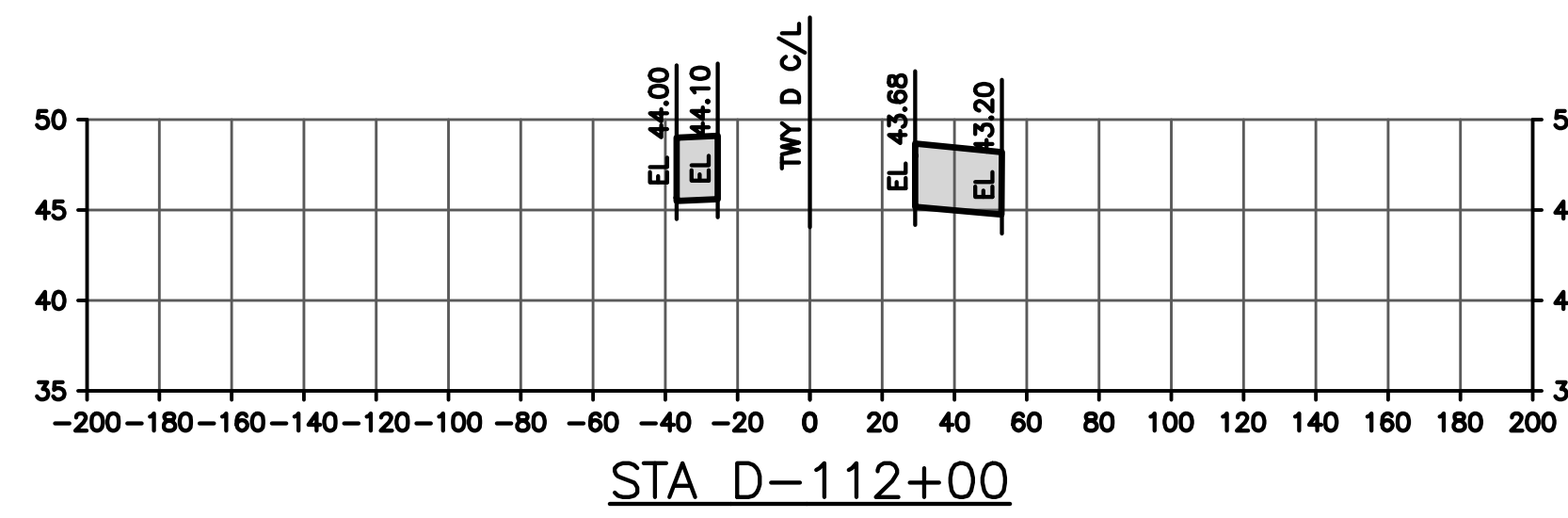
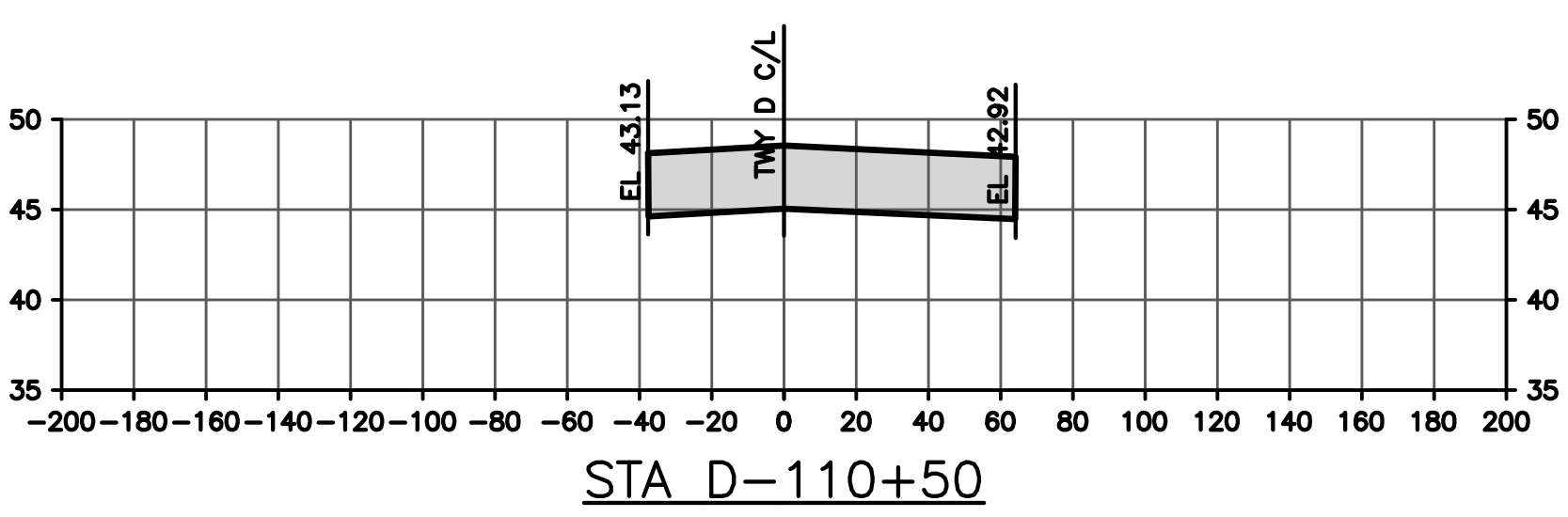
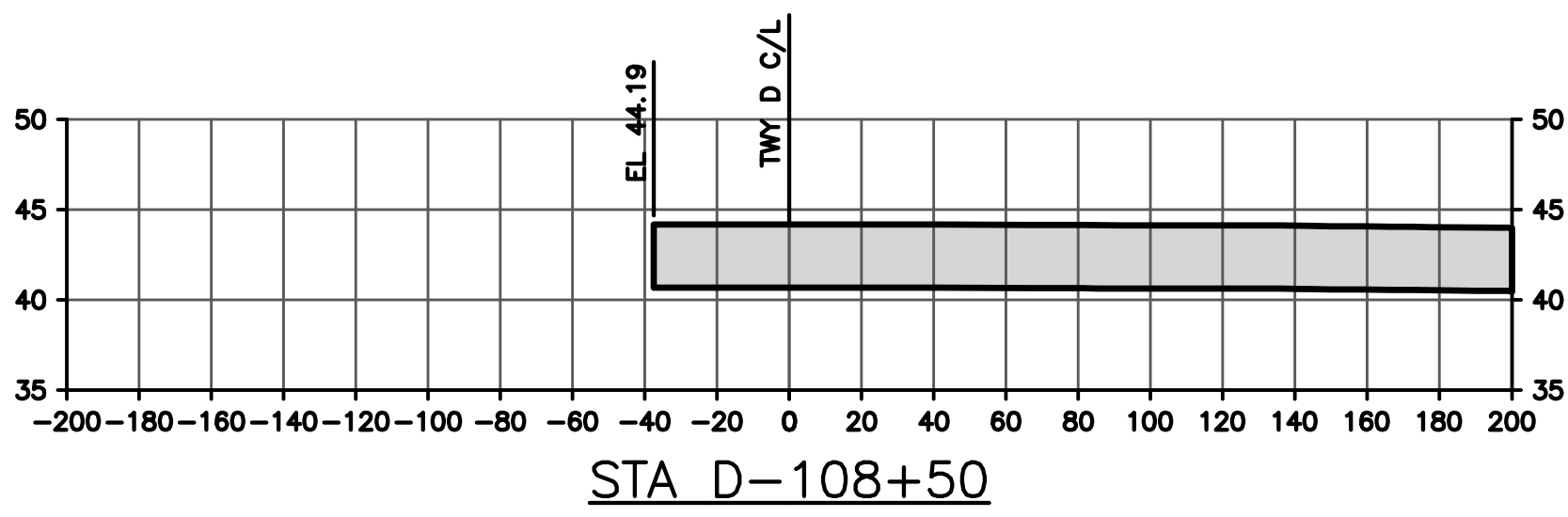
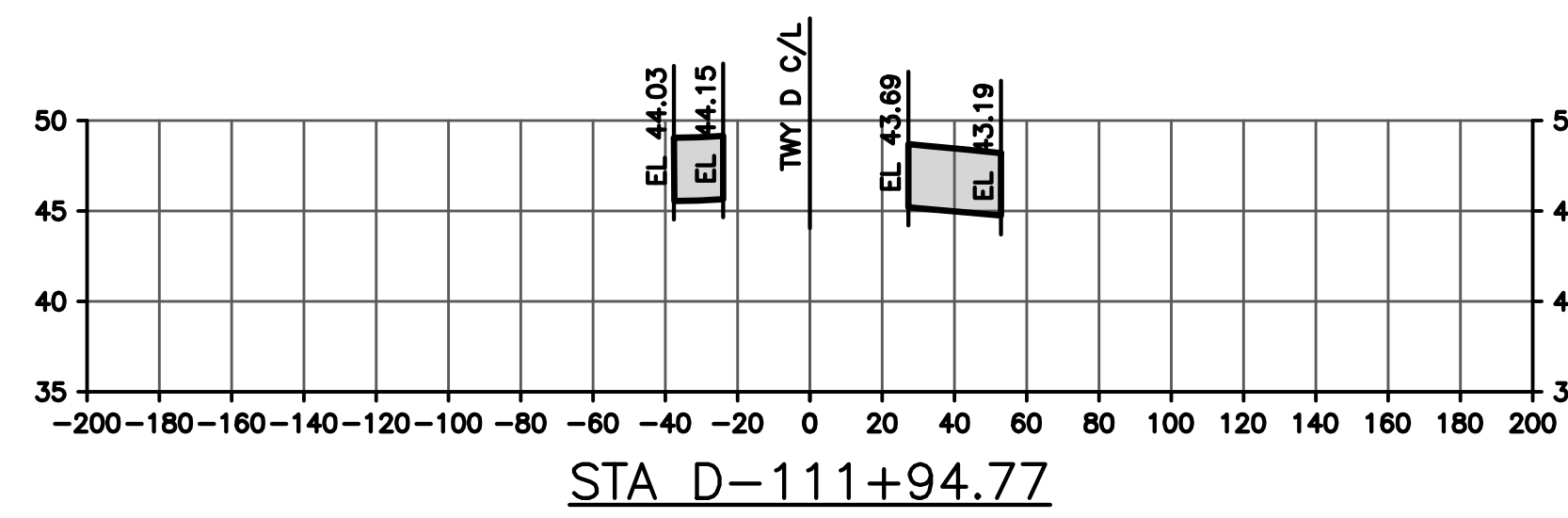
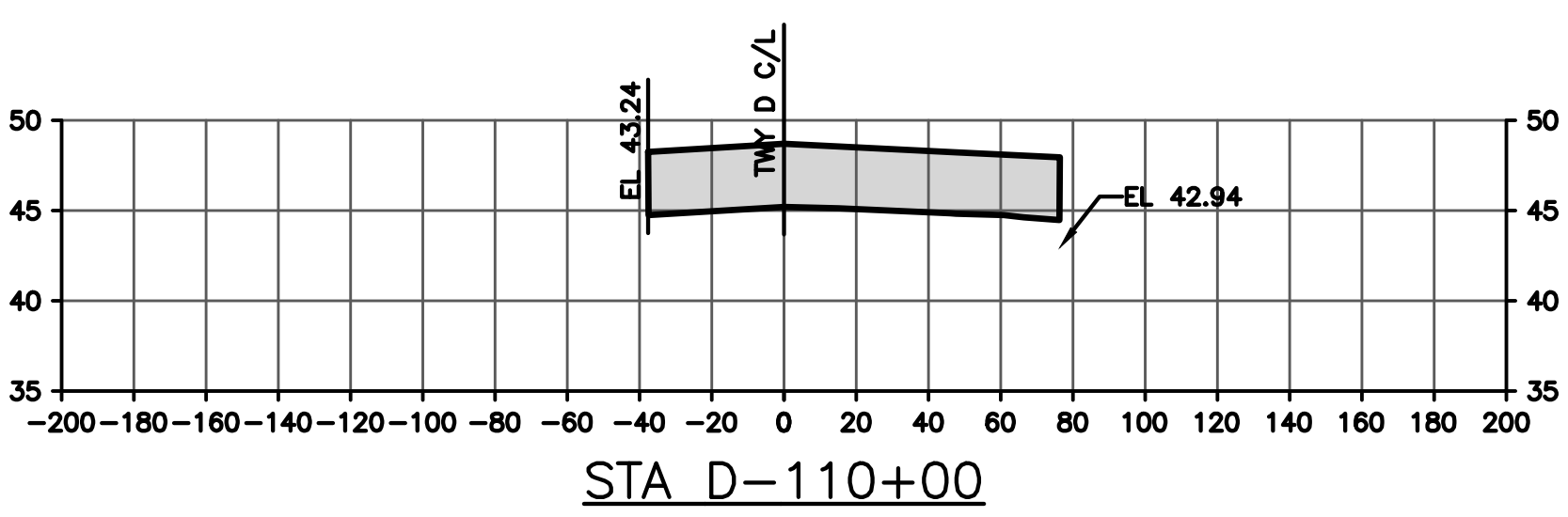
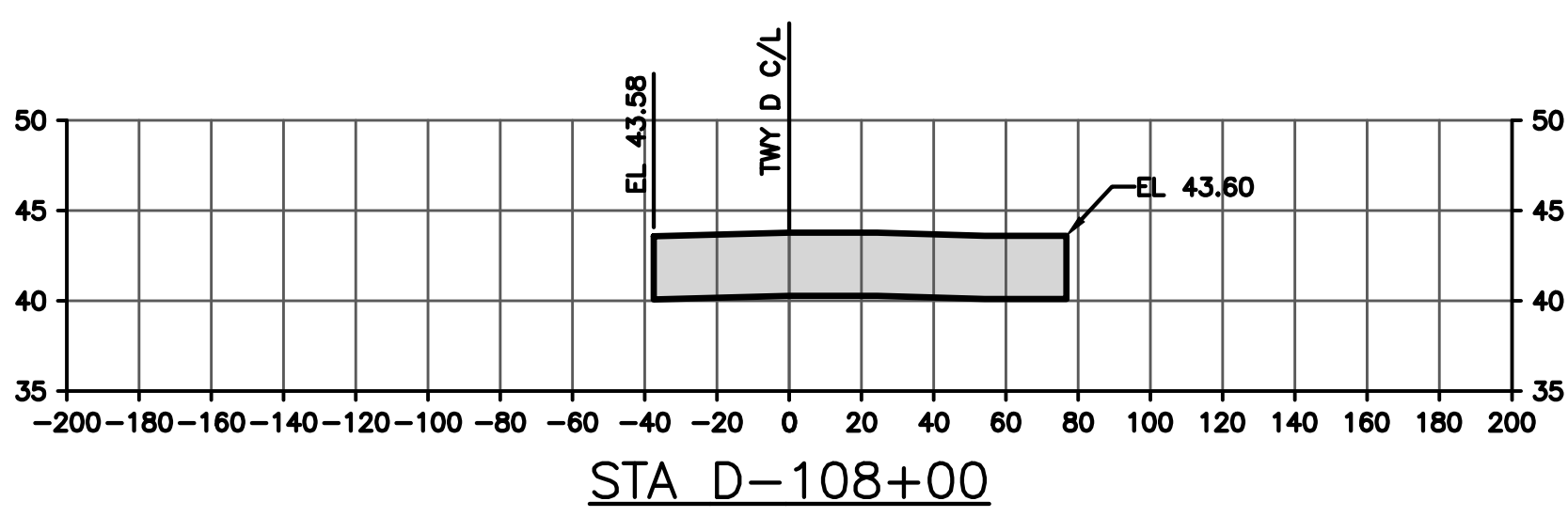


APPROVED BY: _____ DATE: _____

DIRECTOR
 HOUSTON AIRPORT SYSTEM

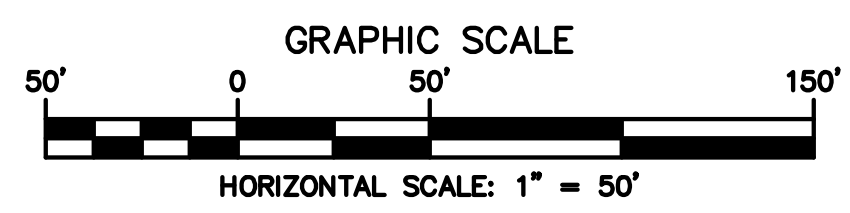
PROJECT NO:	770
C.I.P. NO:	3-48-0110-044
H.A.S. NO:	N/A
SHEET NO:	XS302

of



LEGEND:

- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED PAVEMENT SECTION OUTLINE





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FAA NON-STANDARD TAXIWAYS PROJECT

CROSS SECTIONS - TAXIWAY E

PROJECT MGR: S. CHILDERS

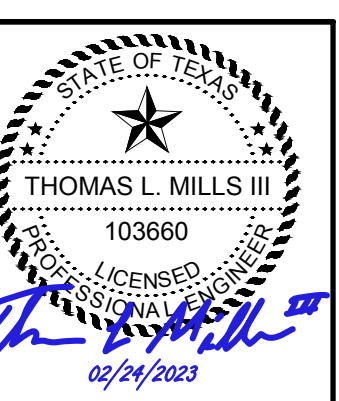
DESIGNER: B. BARTLETT

DRAWN BY: S. WAZIRI

CHECKED BY: R. EHTESHAM

SCALE: AS SHOWN

DATE: 02/24/2023



APPROVED BY: DATE:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO:

770

C.I.P. NO:

3-48-0110-044

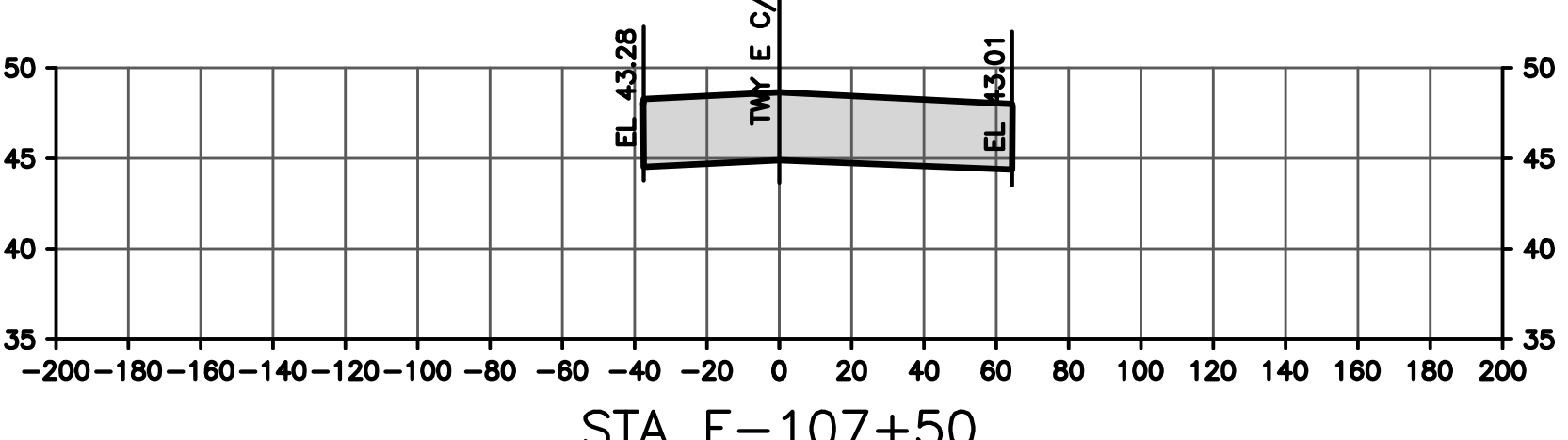
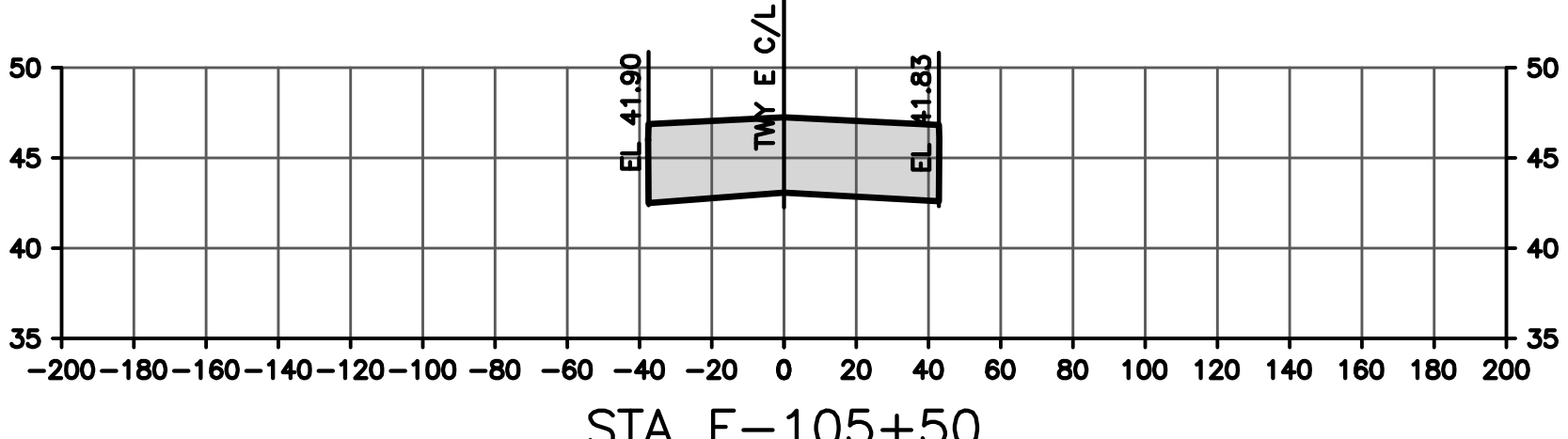
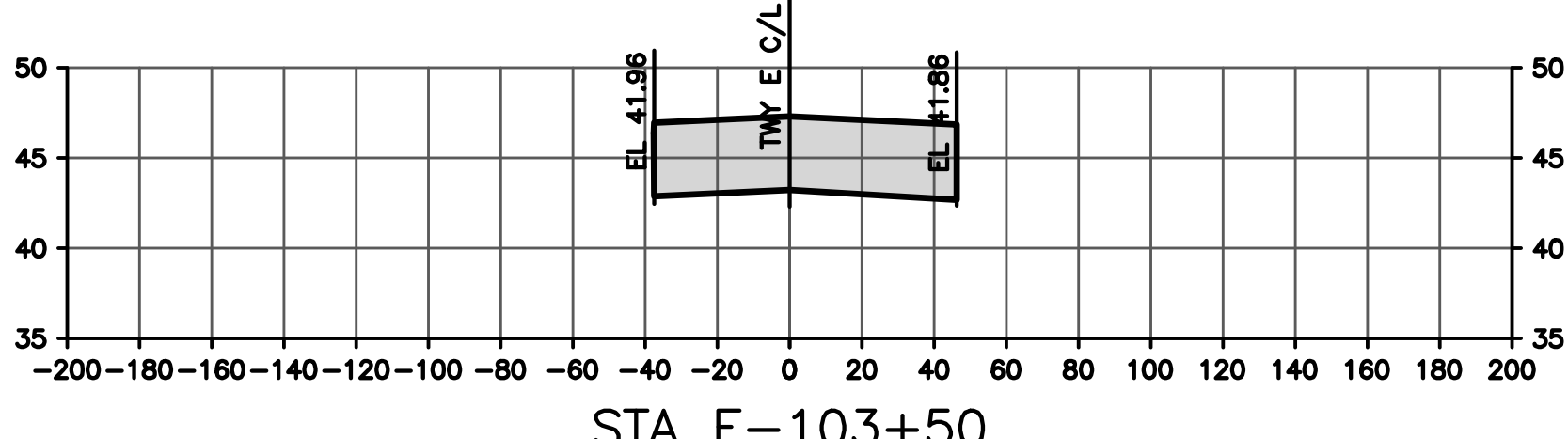
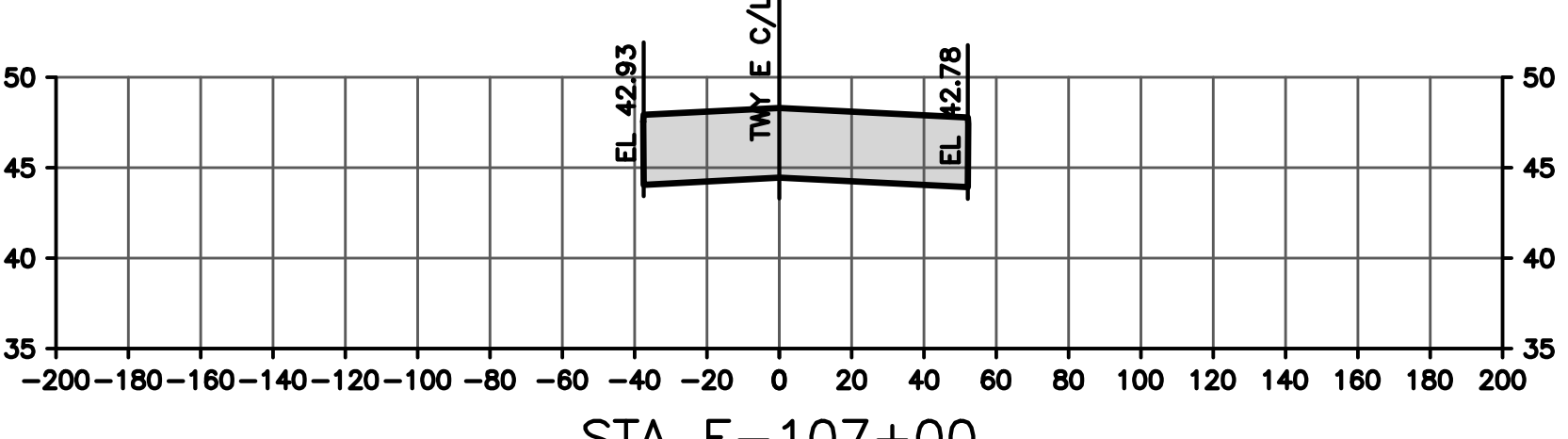
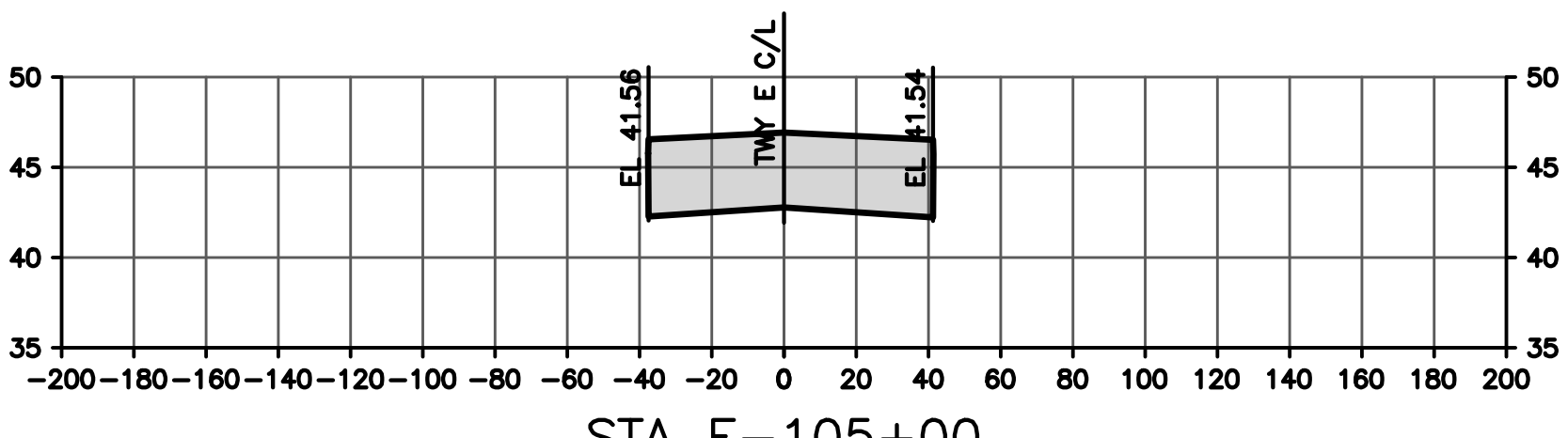
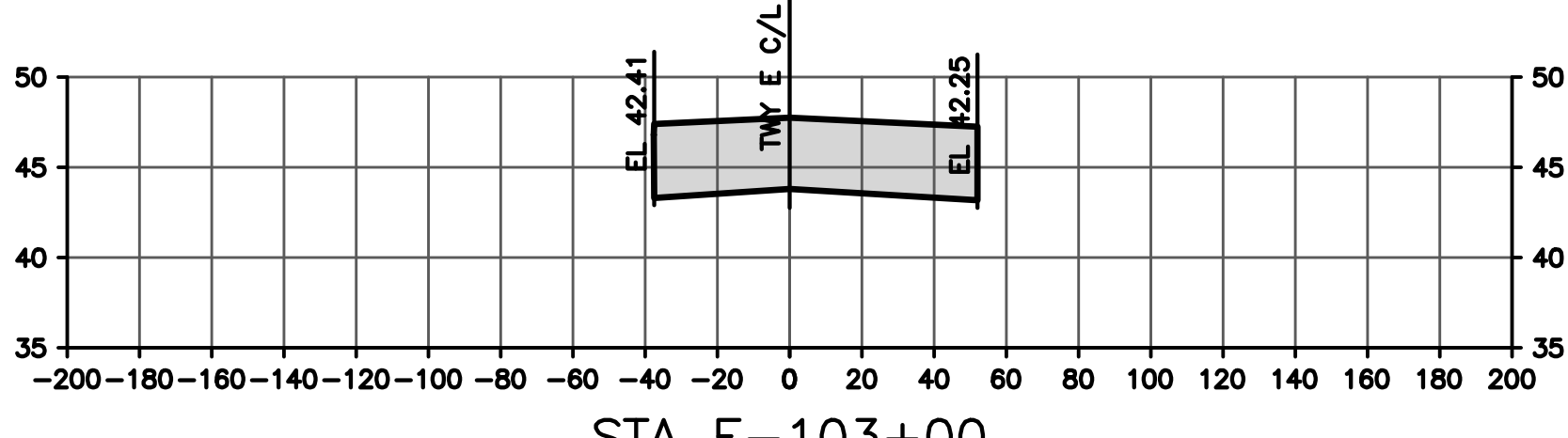
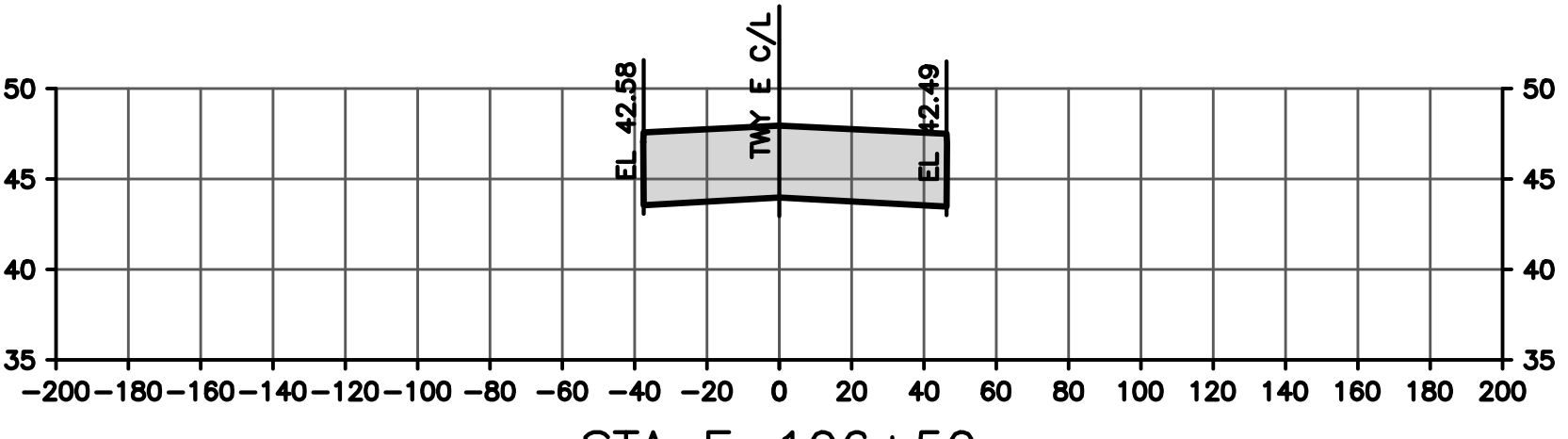
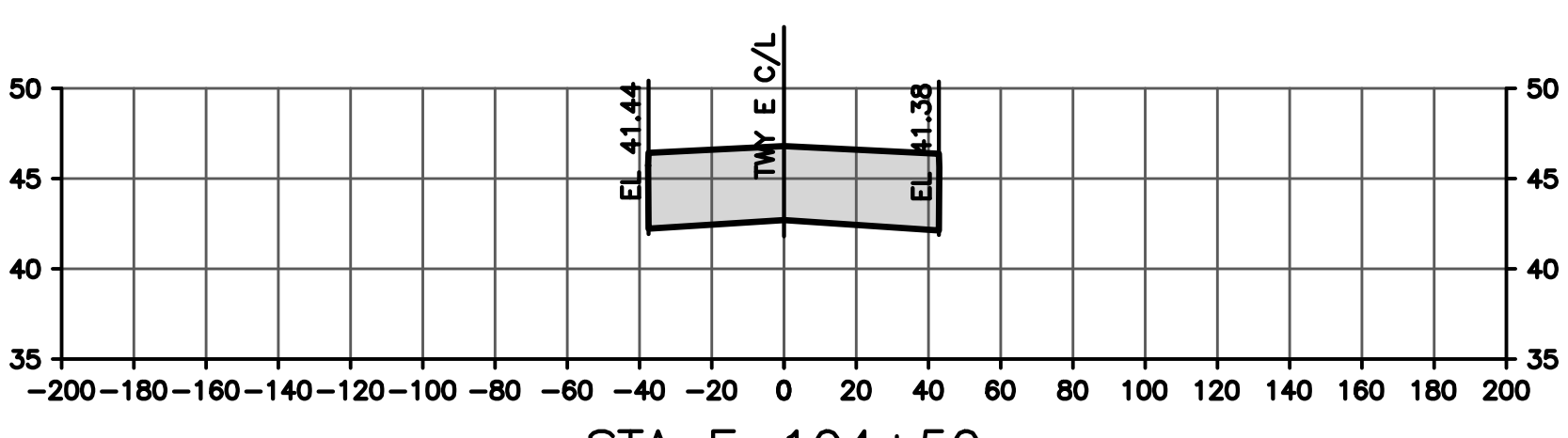
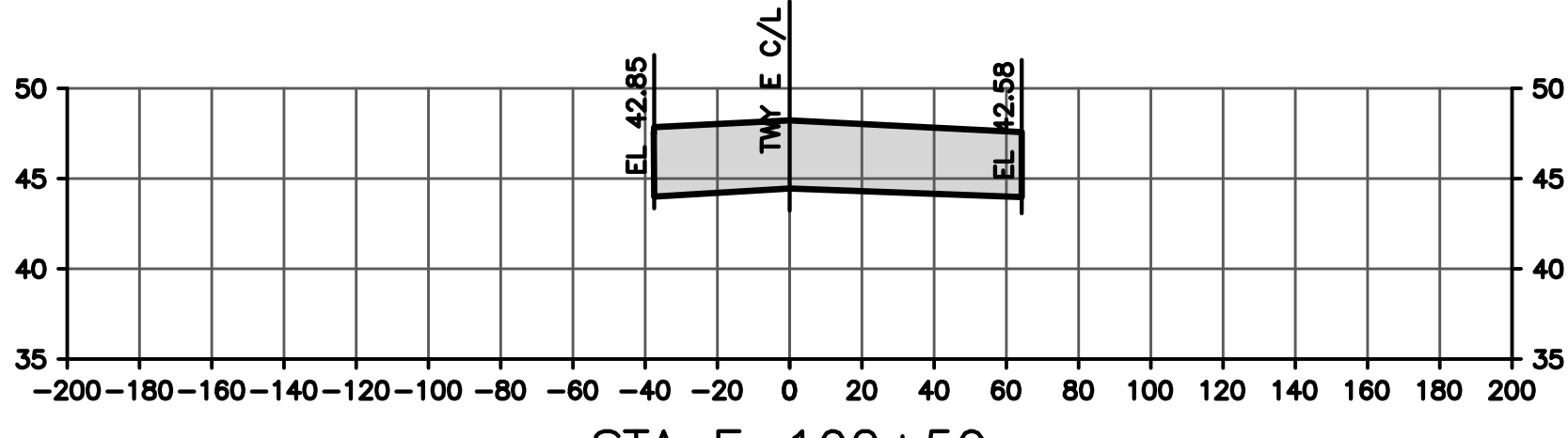
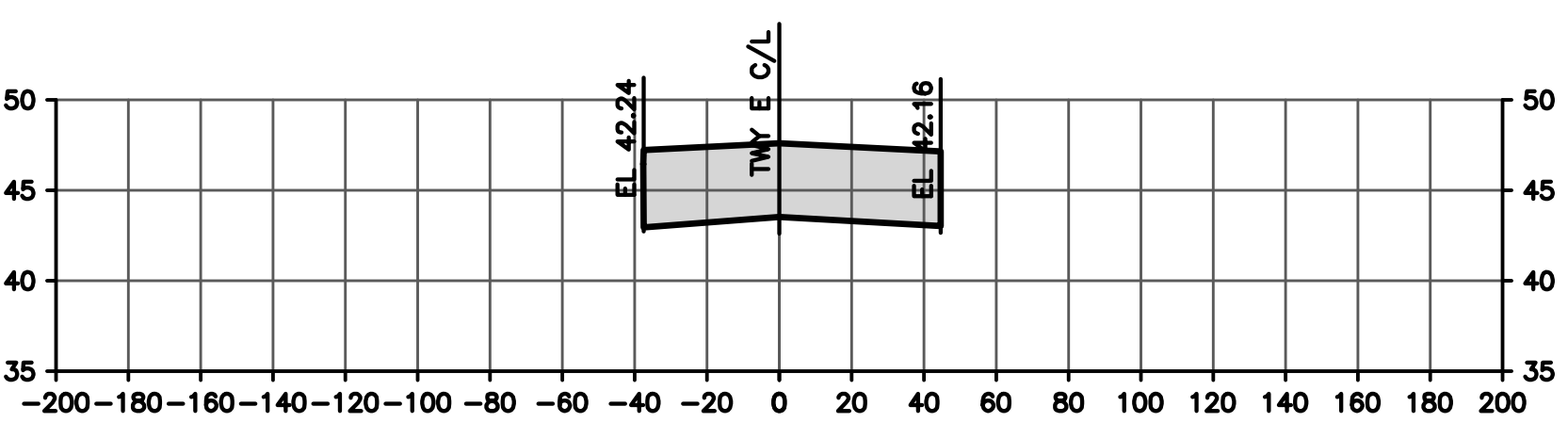
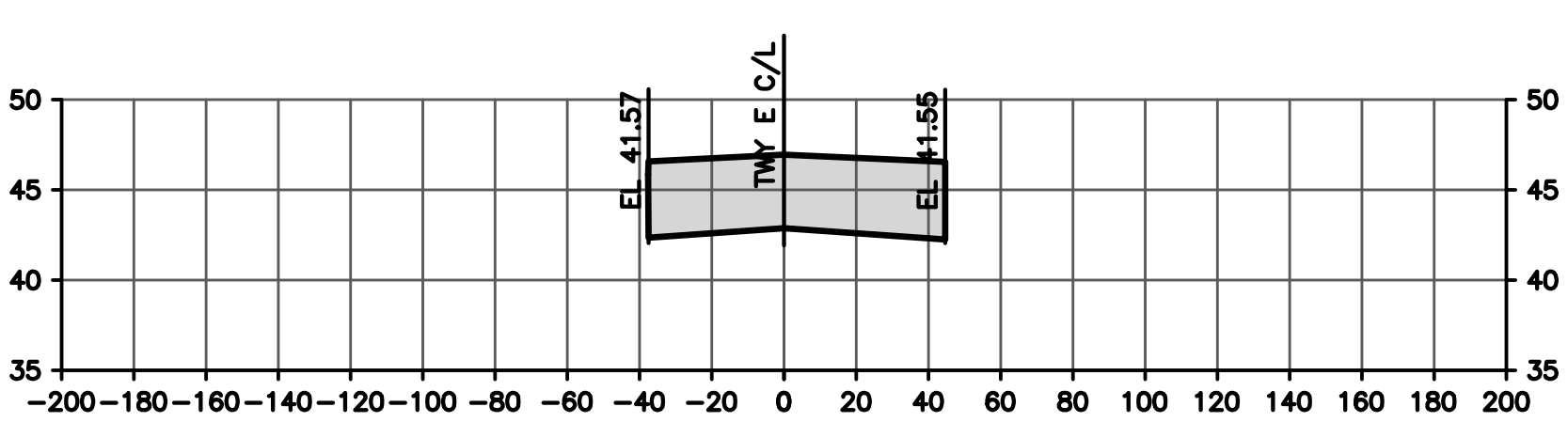
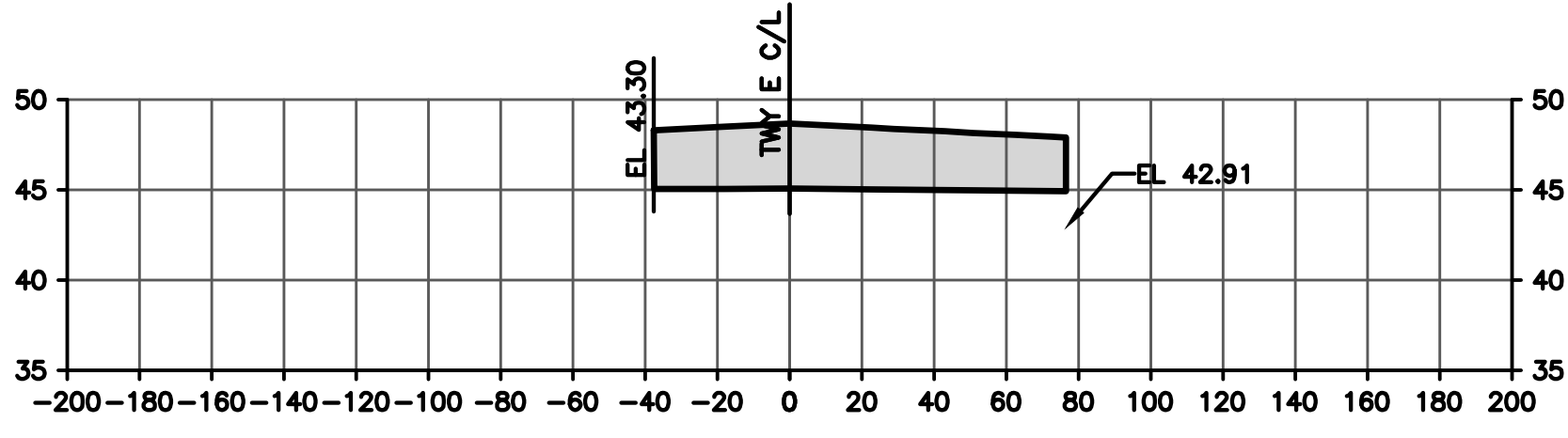
H.A.S. NO:

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SHEET NO:

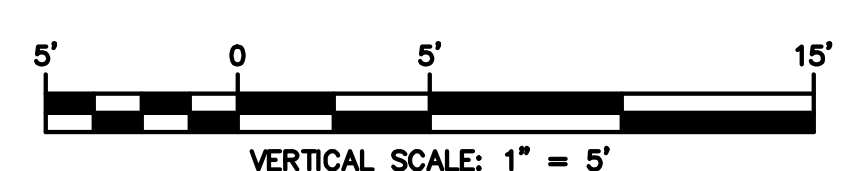
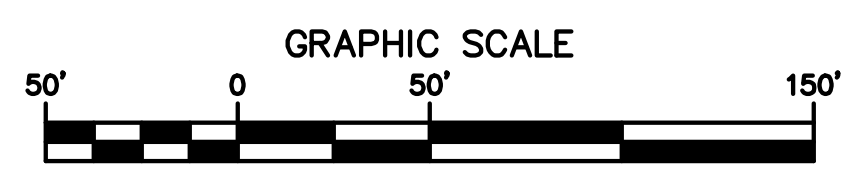
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of



LEGEND:

- PROPOSED GRADE
- - - EXISTING GRADE
- PROPOSED PAVEMENT SECTION OUTLINE





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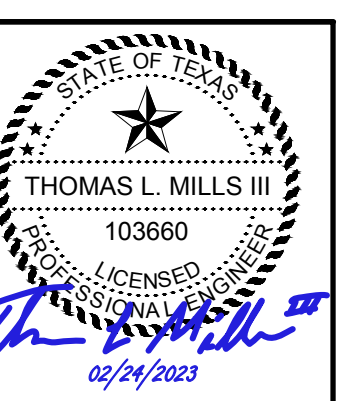
REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	02/24/2023	SC

FAA NON-STANDARD TAXIWAYS PROJECT

CROSS SECTIONS - TAXIWAY E

PROJECT MGR:	S. CHILDERS
DESIGNER:	B. BARTLETT
DRAWN BY:	S. WAZIRI
CHECKED BY:	R. EHTESHAM
SCALE:	AS SHOWN
DATE:	02/24/2023



APPROVED BY: DATE:

DIRECTOR
HOUSTON AIRPORT SYSTEM

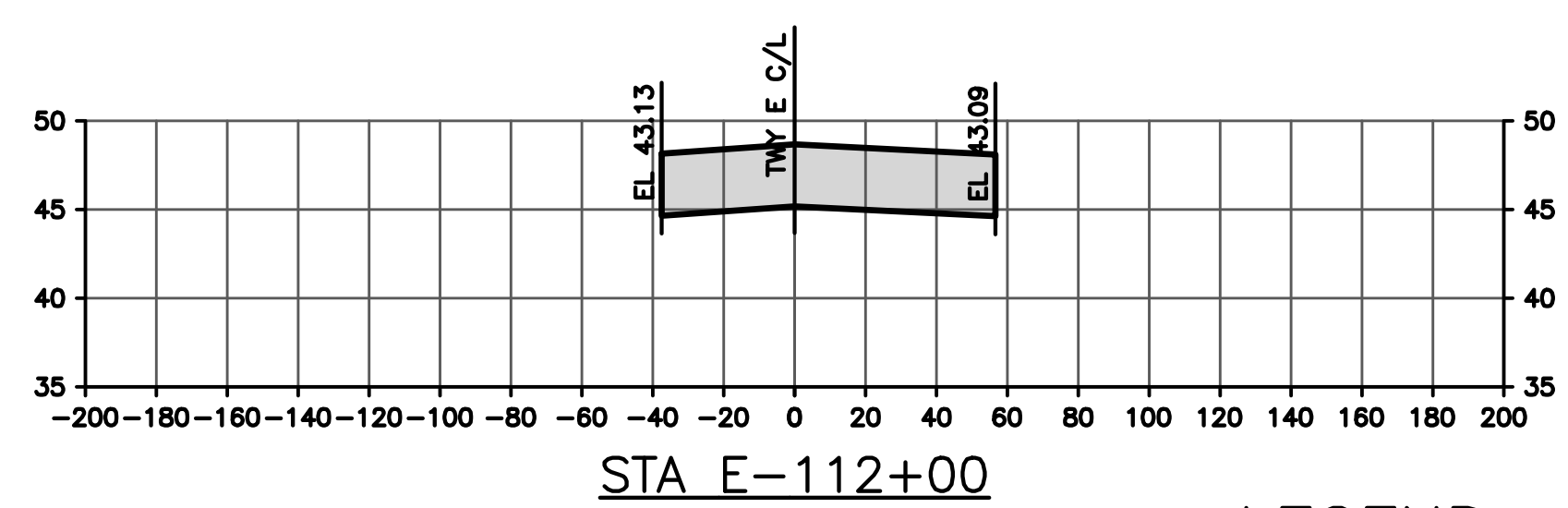
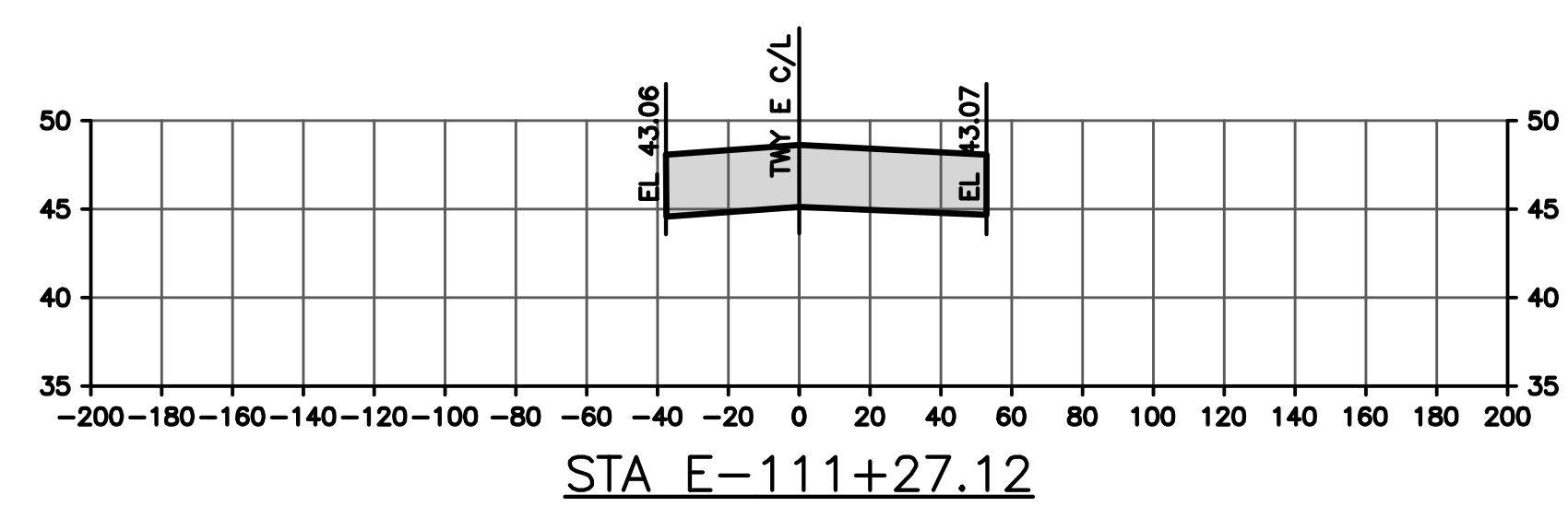
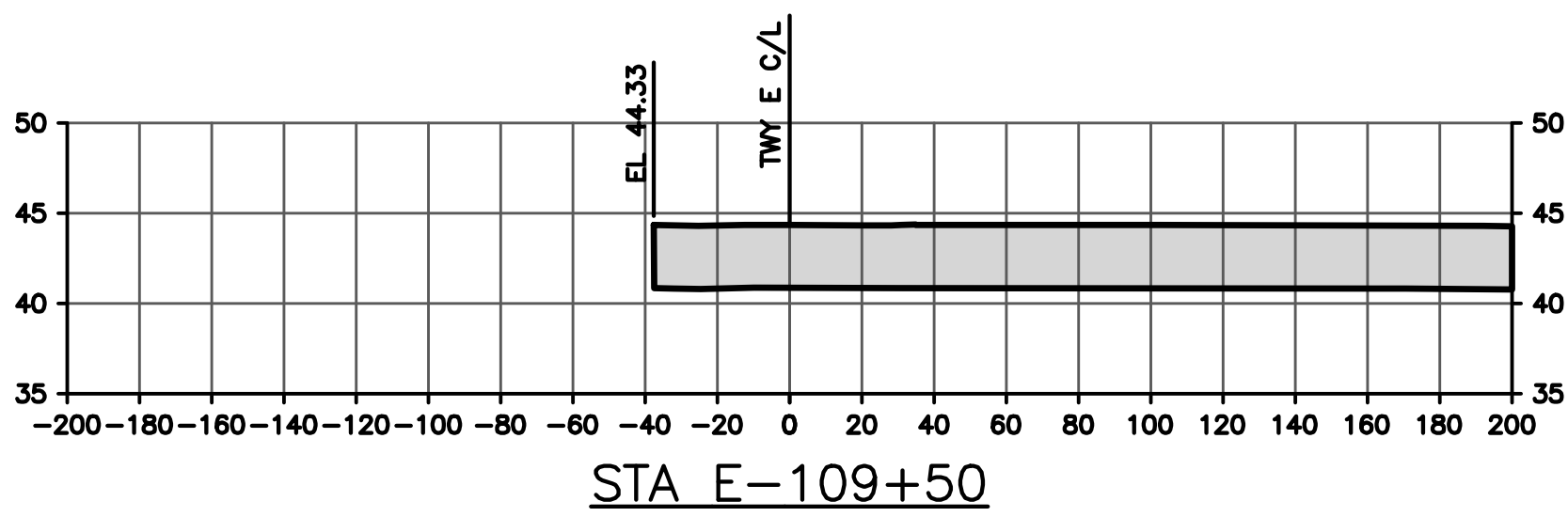
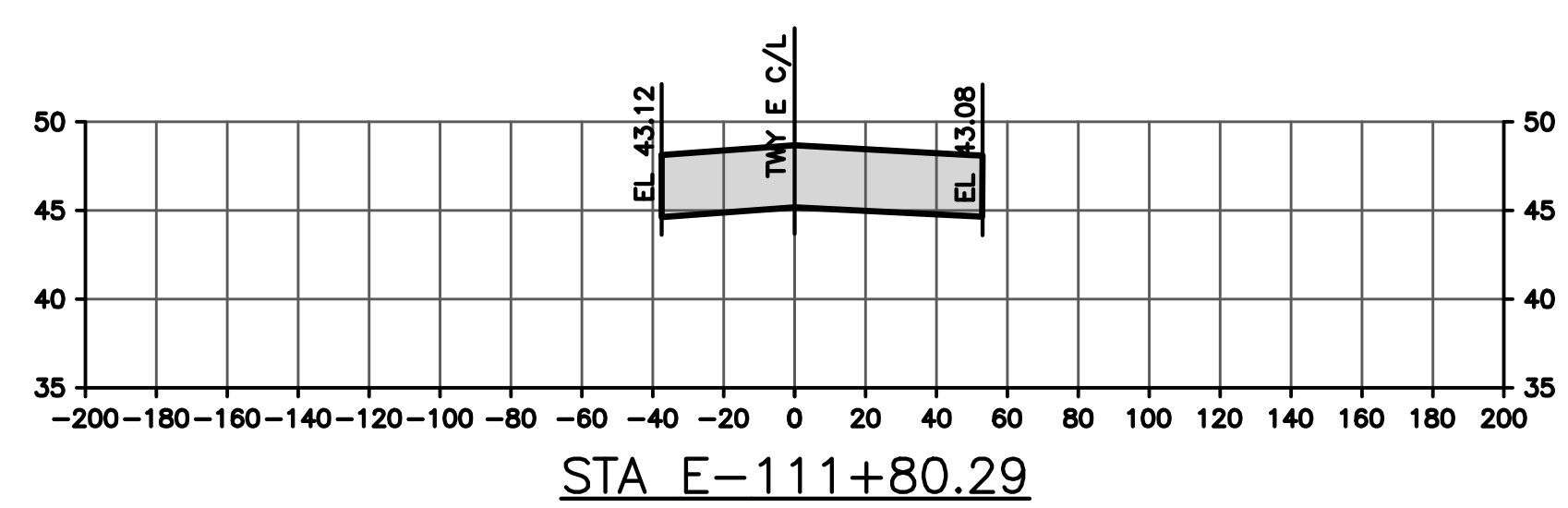
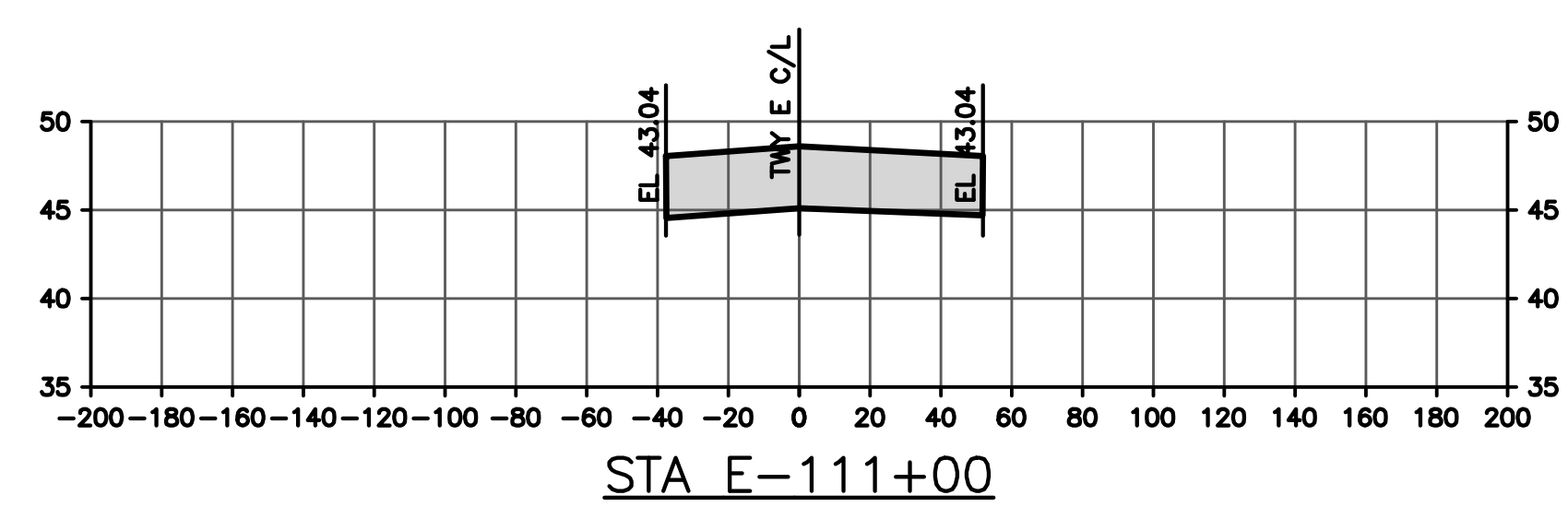
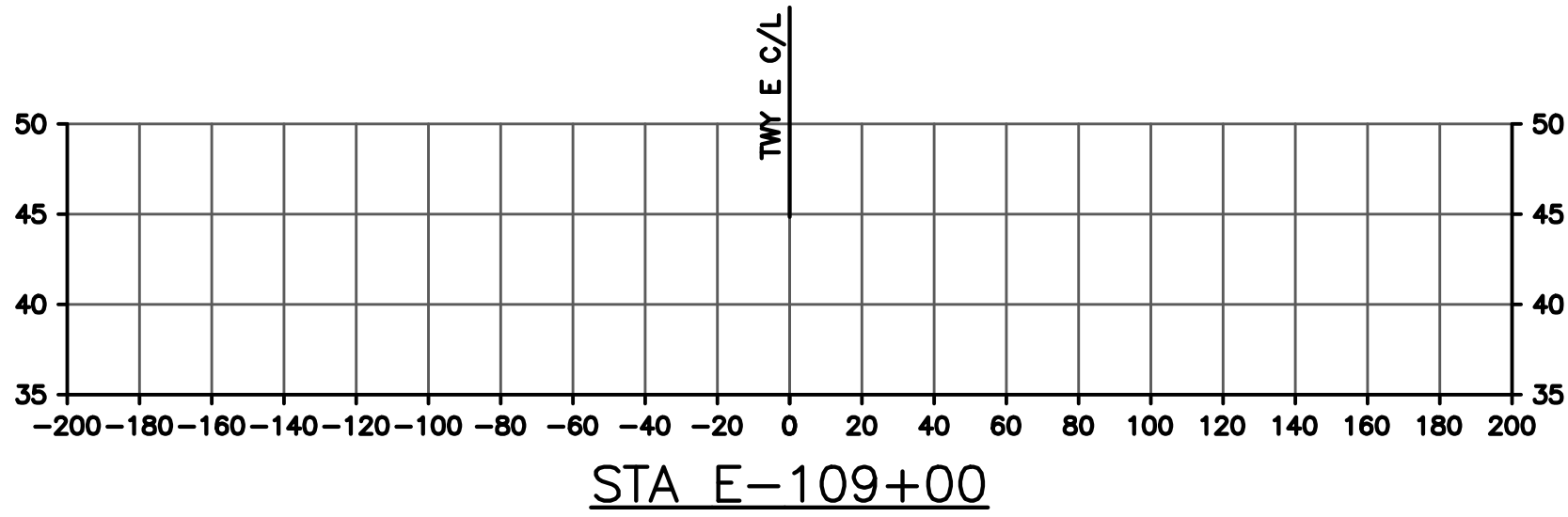
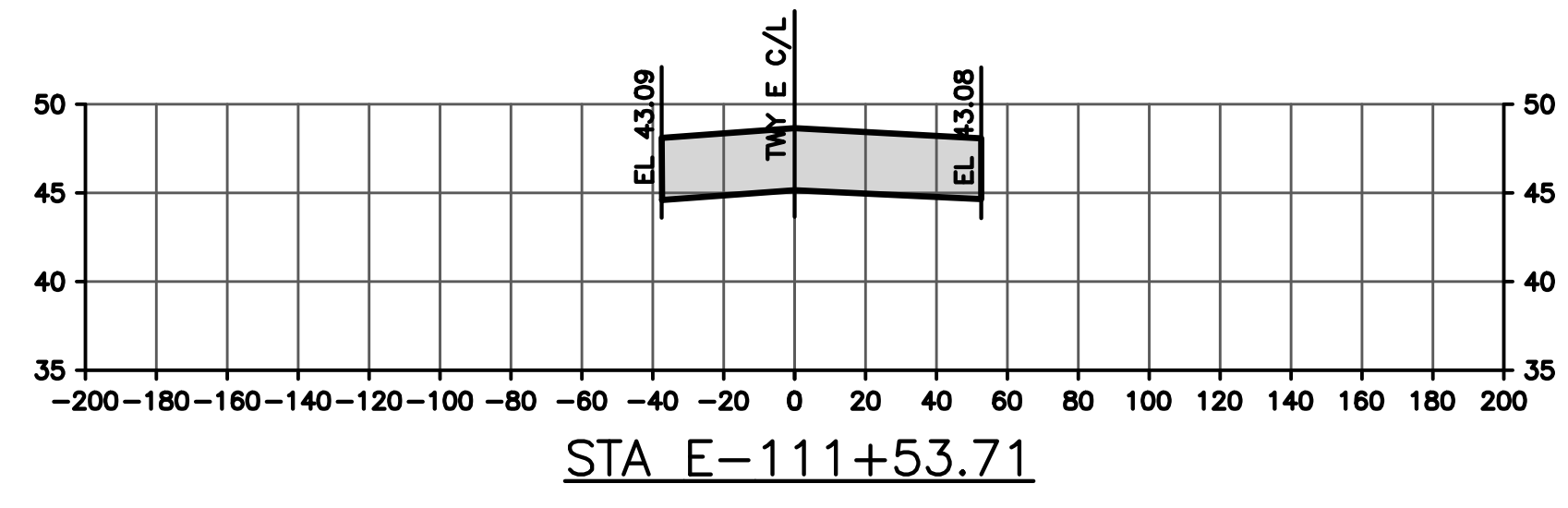
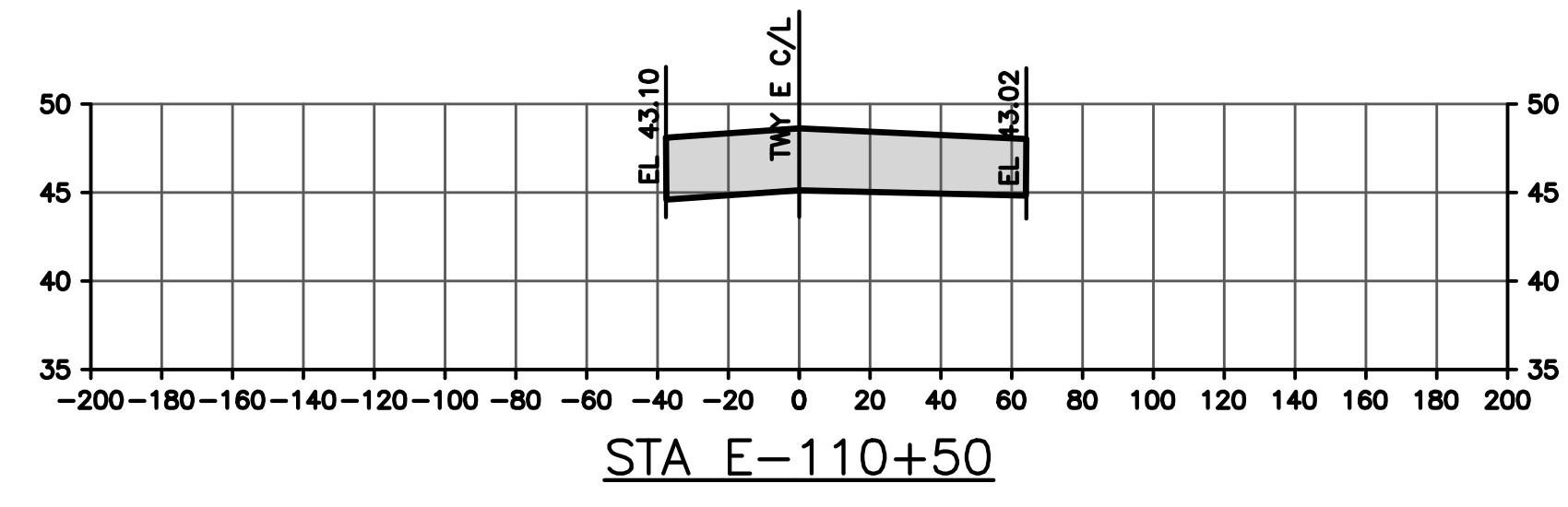
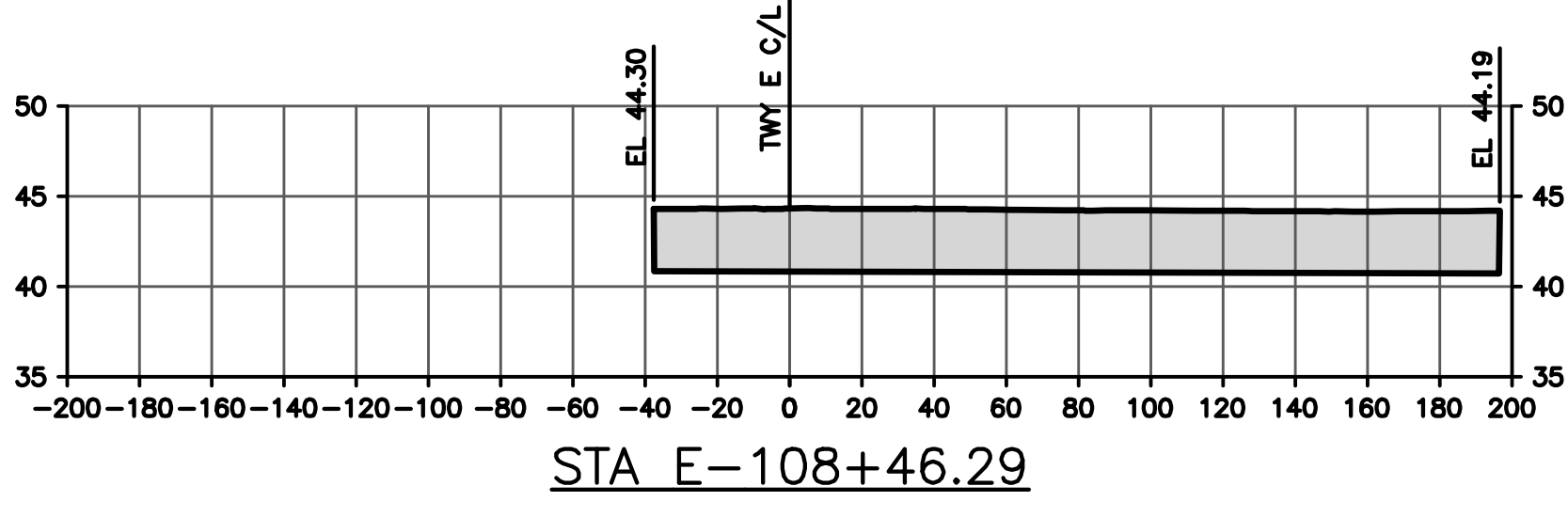
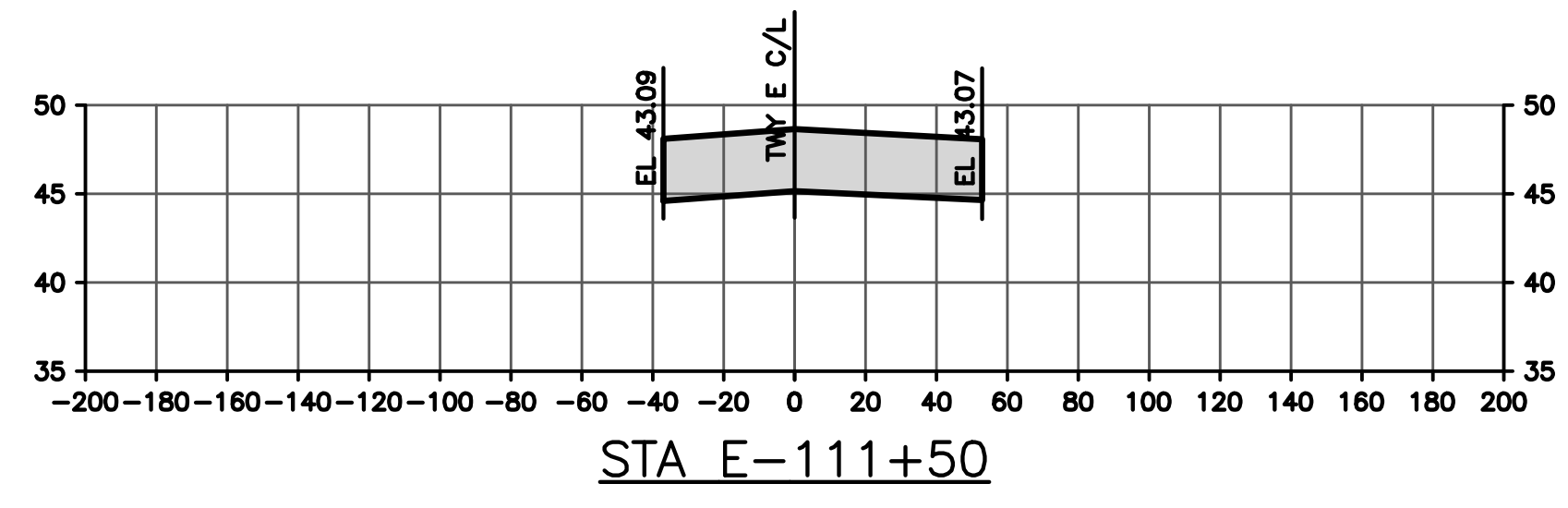
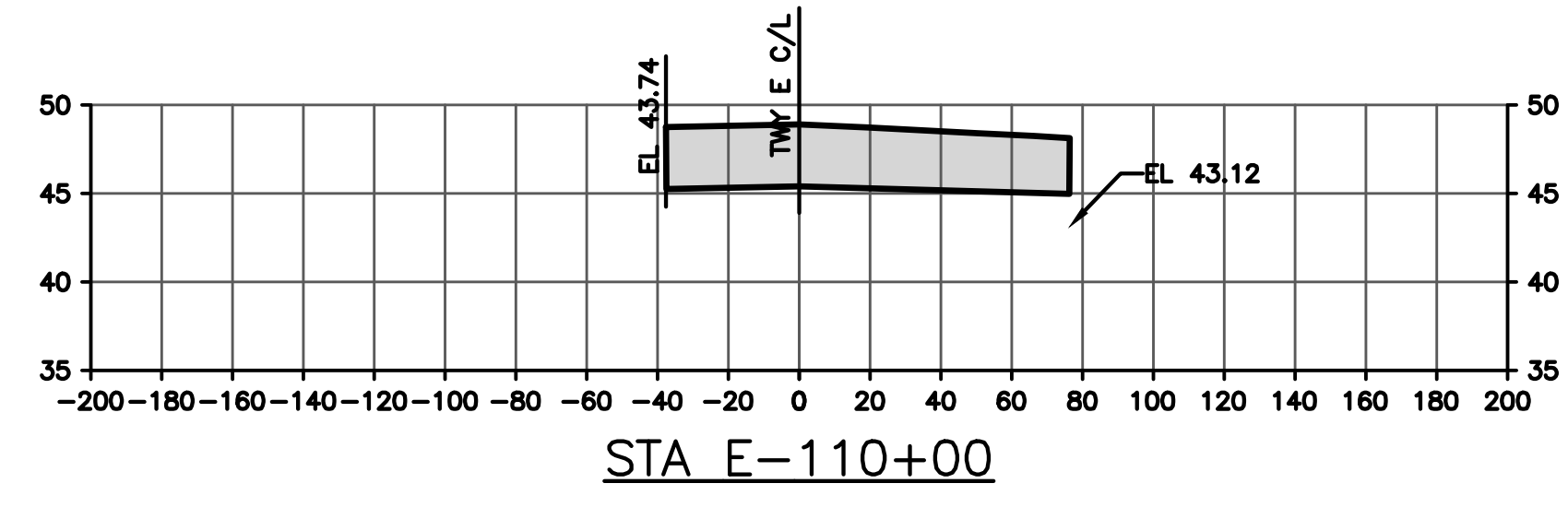
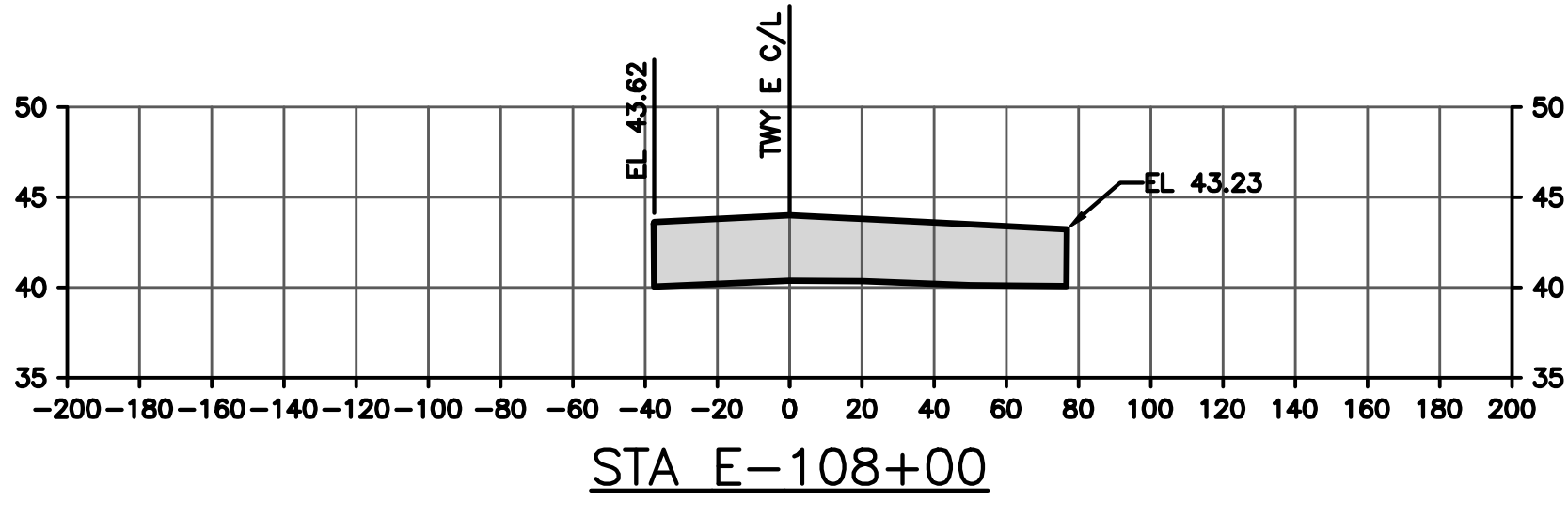
PROJECT NO:
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C.I.P. NO:
3-48-0110-044

H.A.S. NO:
N/A

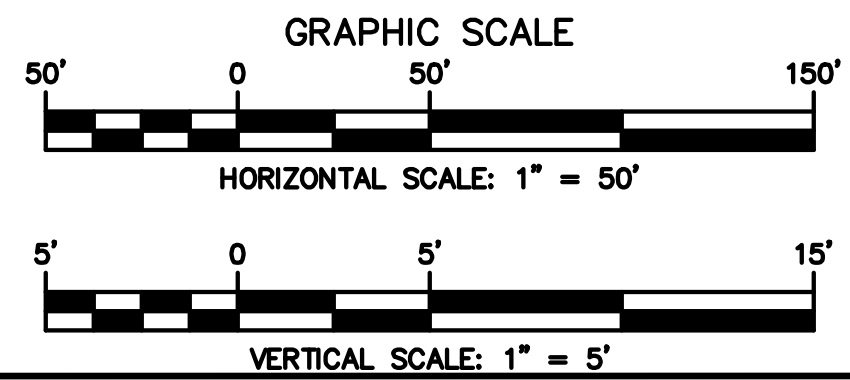
SHEET NO:
XS312

of



LEGEND:

- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED PAVEMENT SECTION OUTLINE





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REVISIONS

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FAA NON-STANDARD TAXIWAYS PROJECT

CROSS SECTIONS - TAXIWAY G

PROJECT MGR: S. CHILDERS

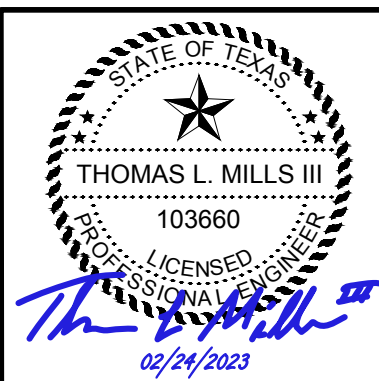
DESIGNER: B. BARTLETT

DRAWN BY: S. WAZIRI

CHECKED BY: R. EHTESHAM

SCALE: AS SHOWN

DATE: 02/24/2023



APPROVED BY: DATE:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO:

770

C.I.P. NO:

3-48-0110-044

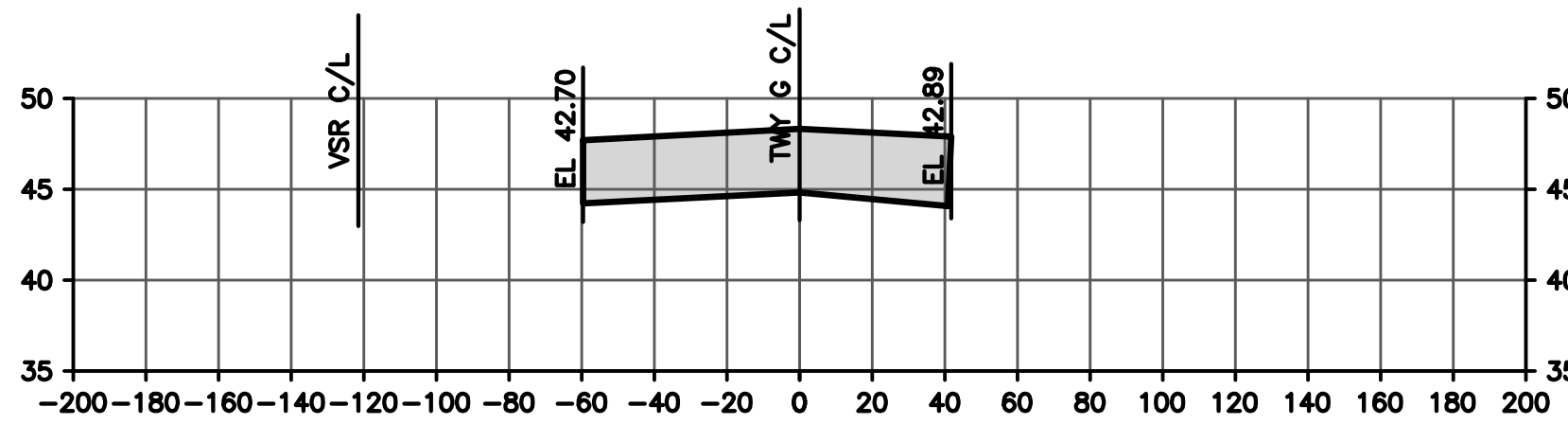
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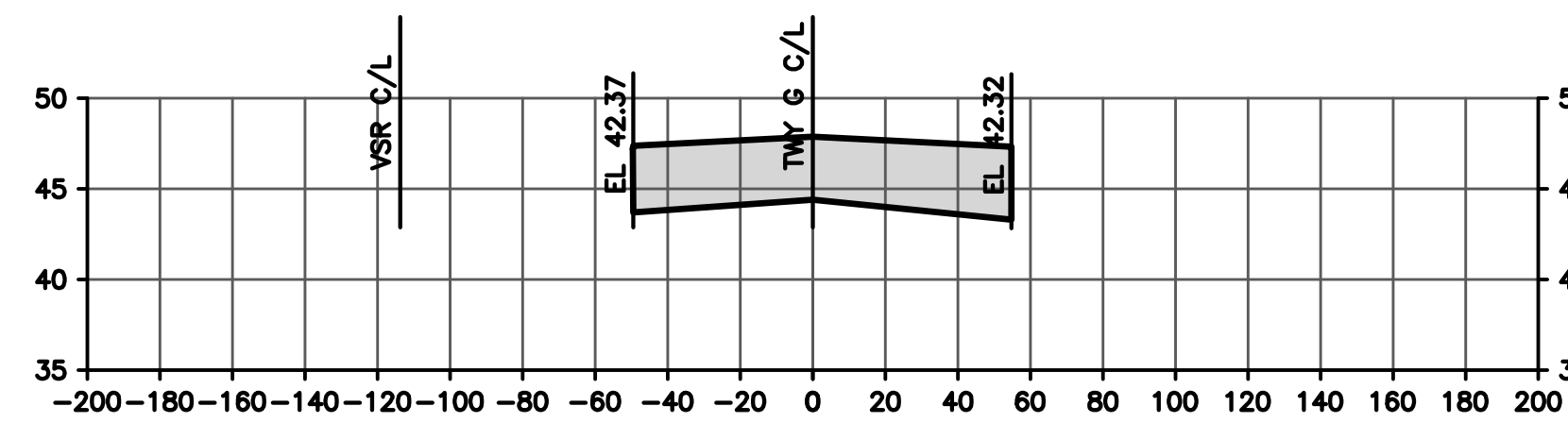
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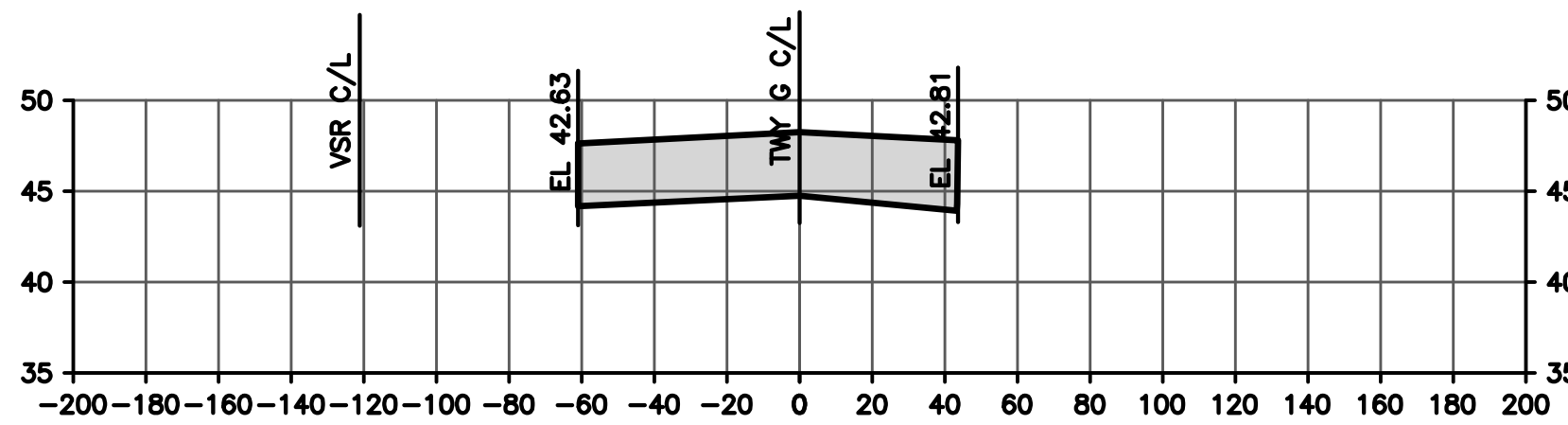
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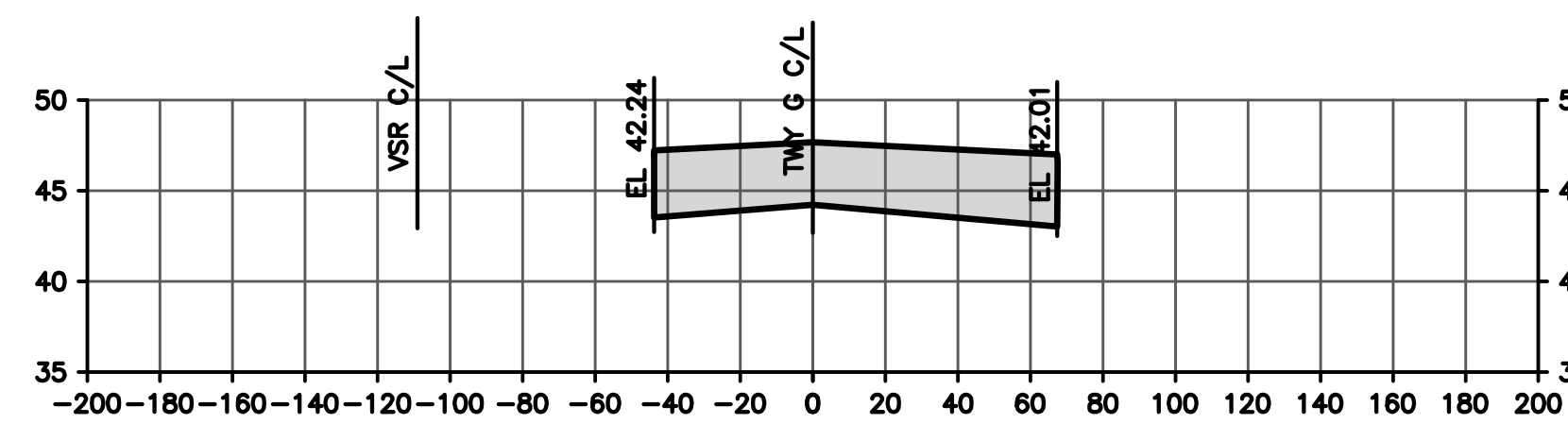
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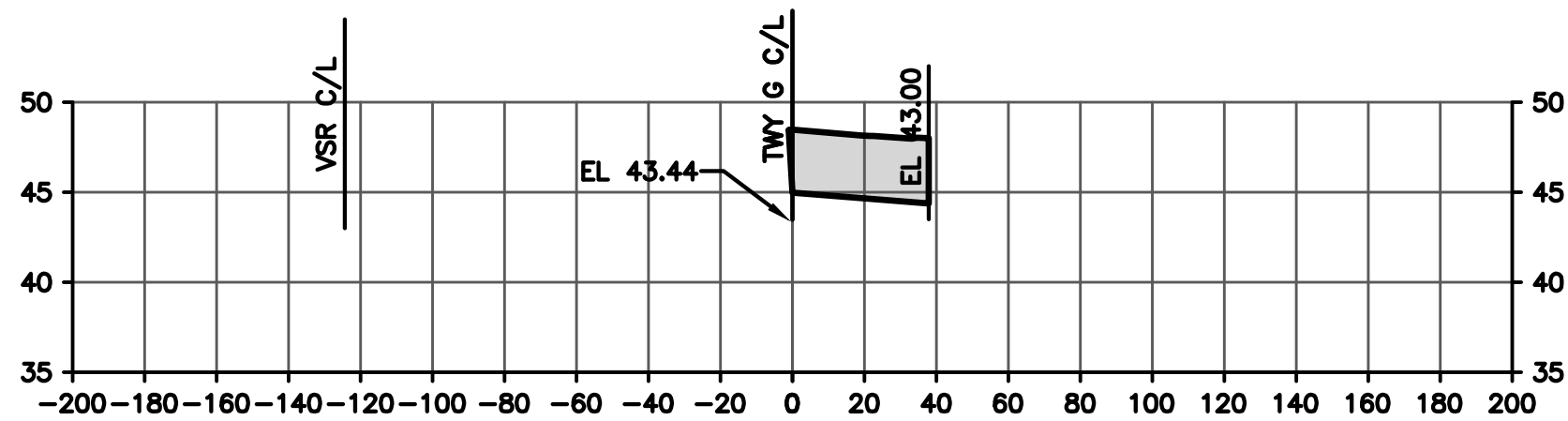
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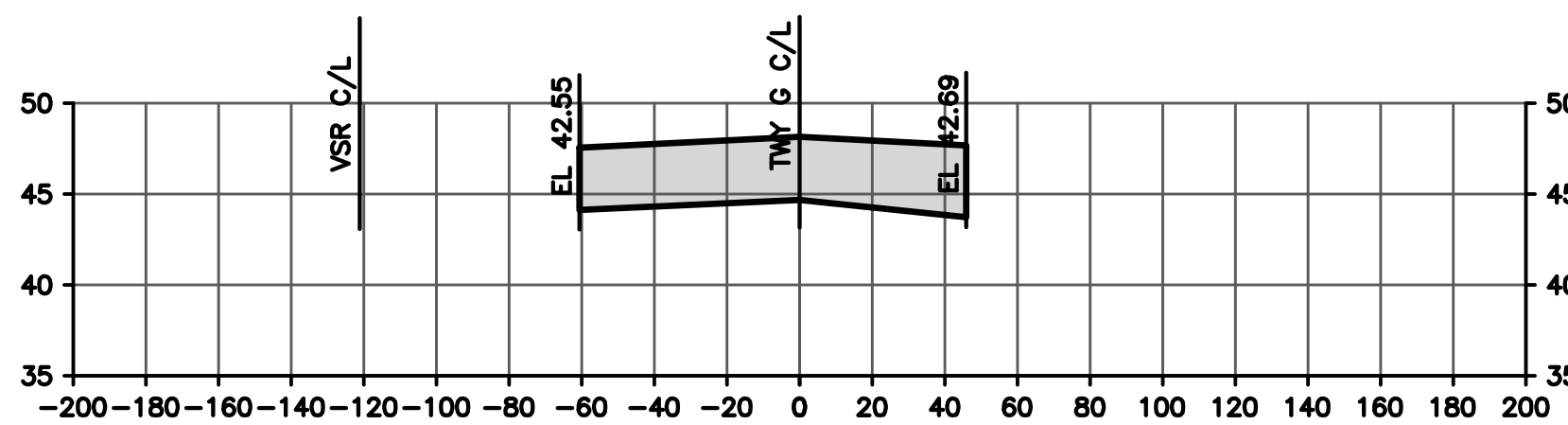
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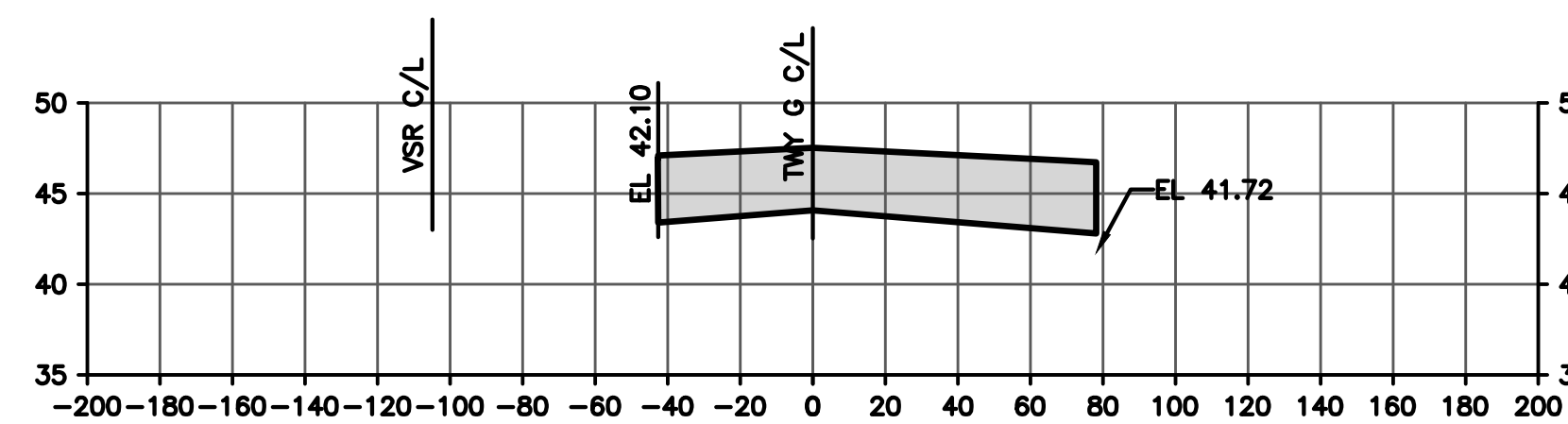
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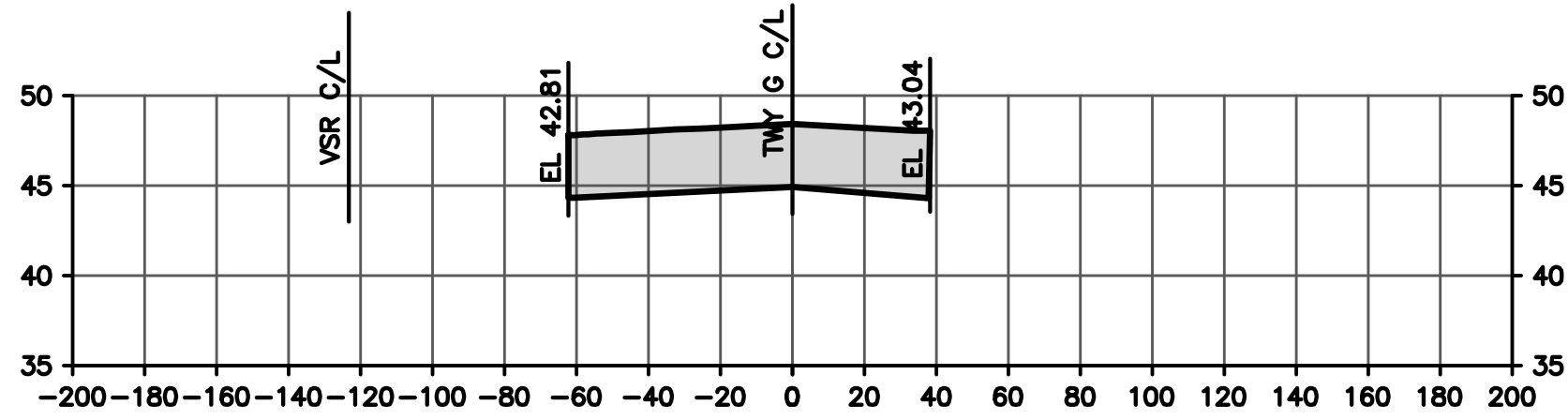
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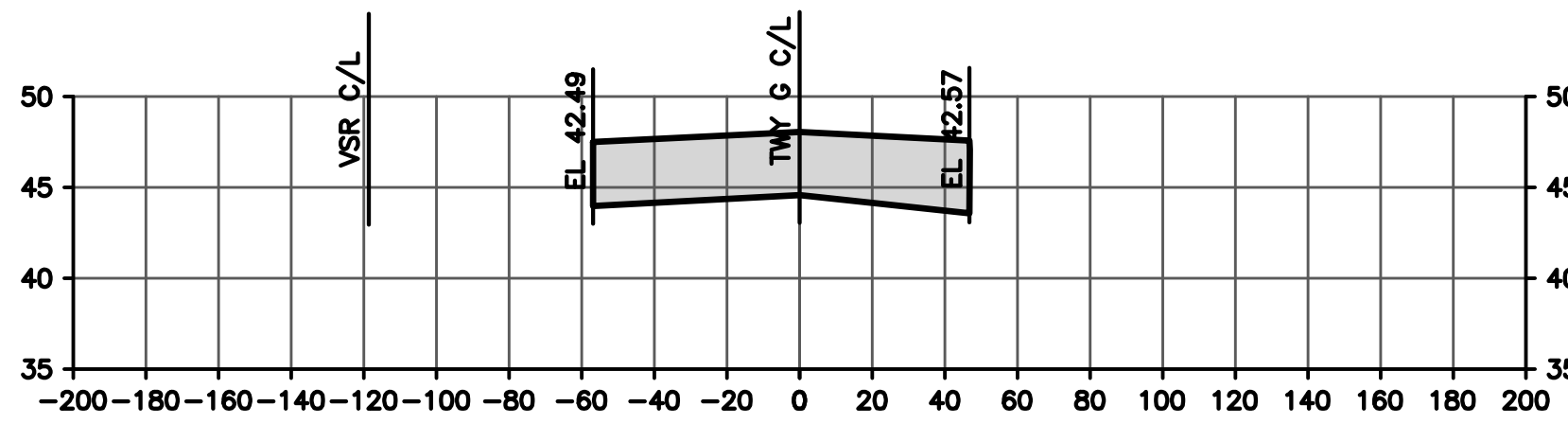
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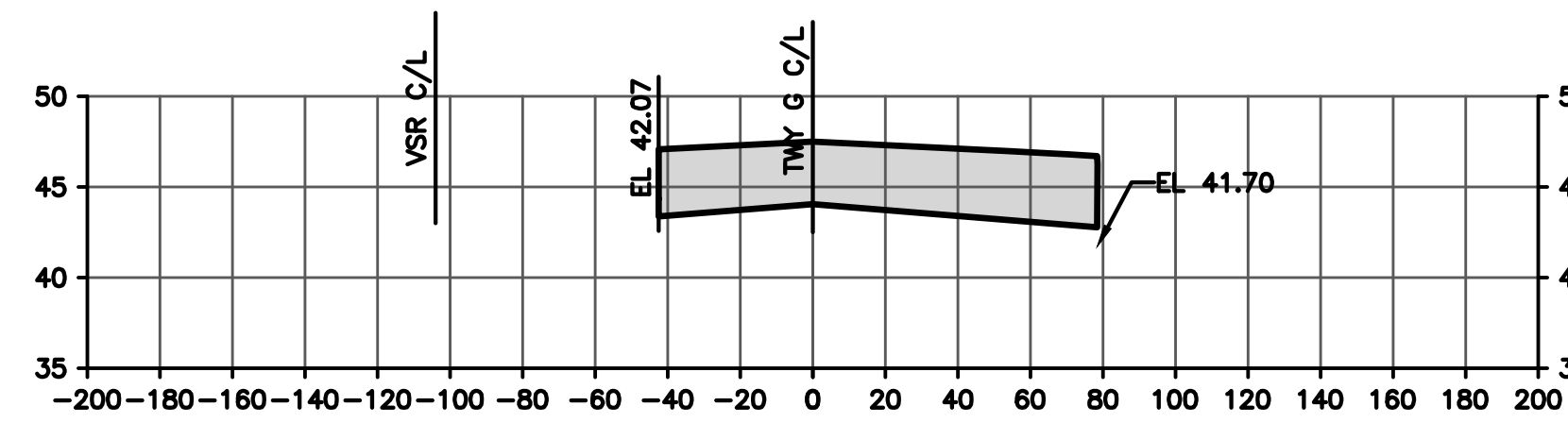
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STA G-103+00



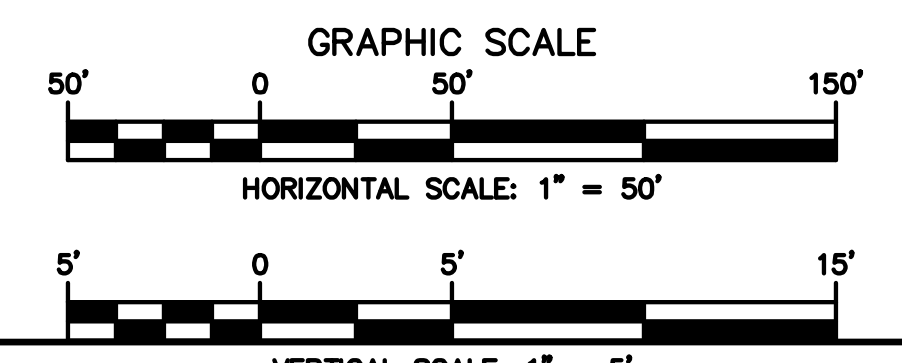
STA G-104+00



STA G-105+50

LEGEND:

- PROPOSED GRADE
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- ▨ PROPOSED PAVEMENT SECTION OUTLINE



REVISIONS

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FAA NON-STANDARD TAXIWAYS PROJECT

CROSS SECTIONS - TAXIWAY G

PROJECT MGR: S. CHILDERS

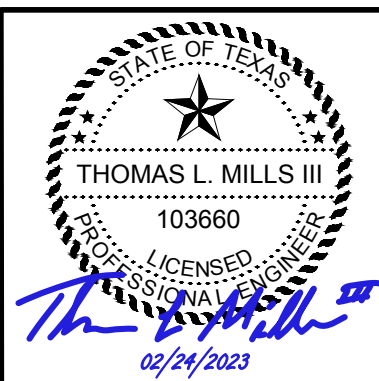
DESIGNER: B. BARTLETT

DRAWN BY: S. WAZIRI

CHECKED BY: R. EHTESHAM

SCALE: AS SHOWN

DATE: 02/24/2023



APPROVED BY: DATE:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO:

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C.I.P. NO:

3-48-0110-044

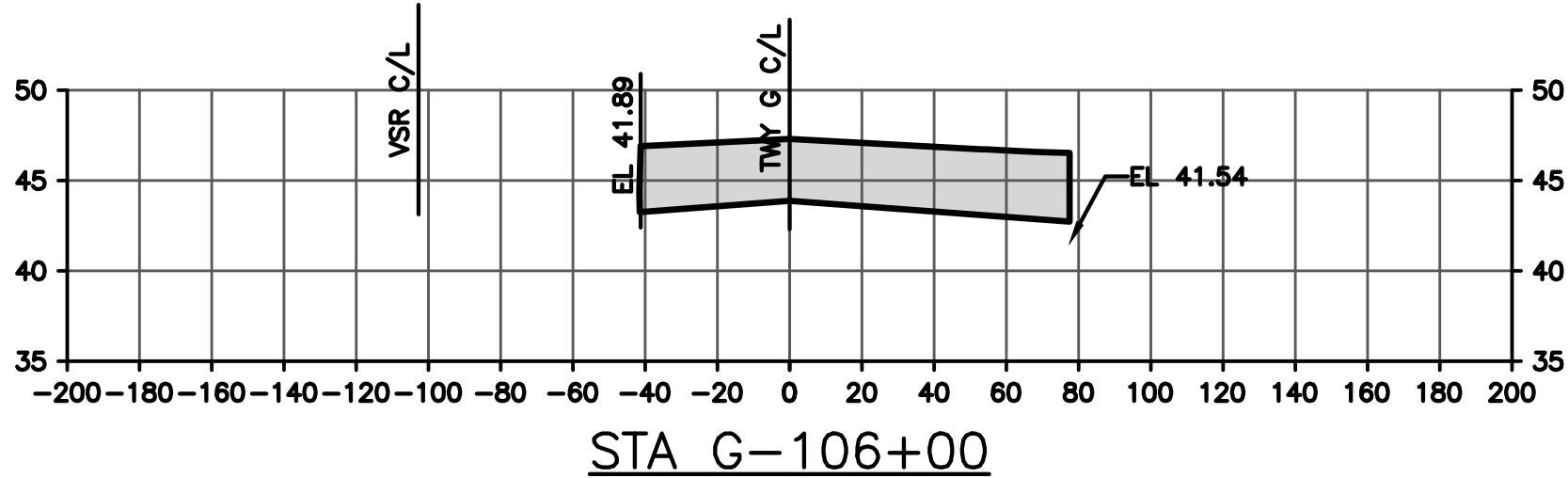
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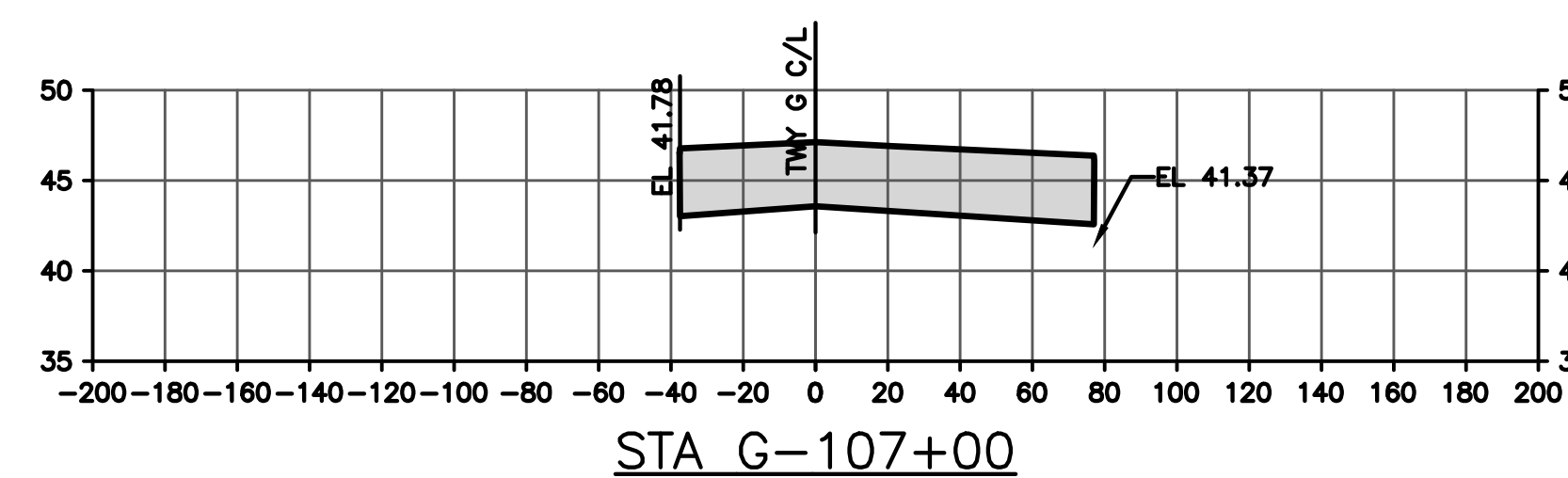
SHEET NO:

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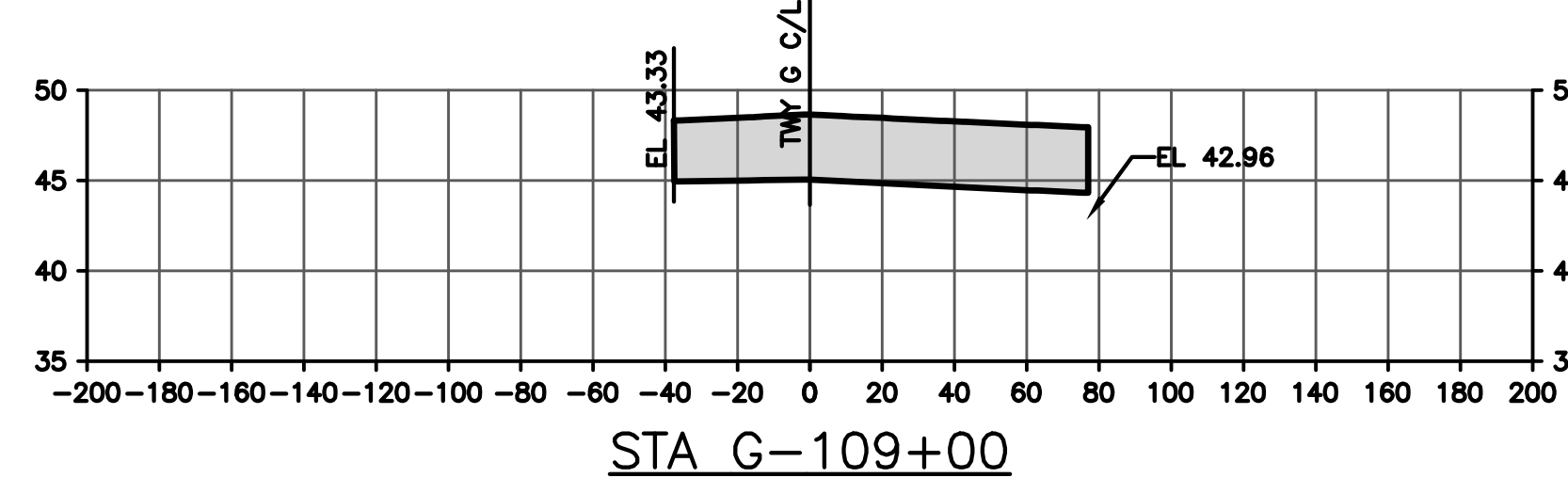
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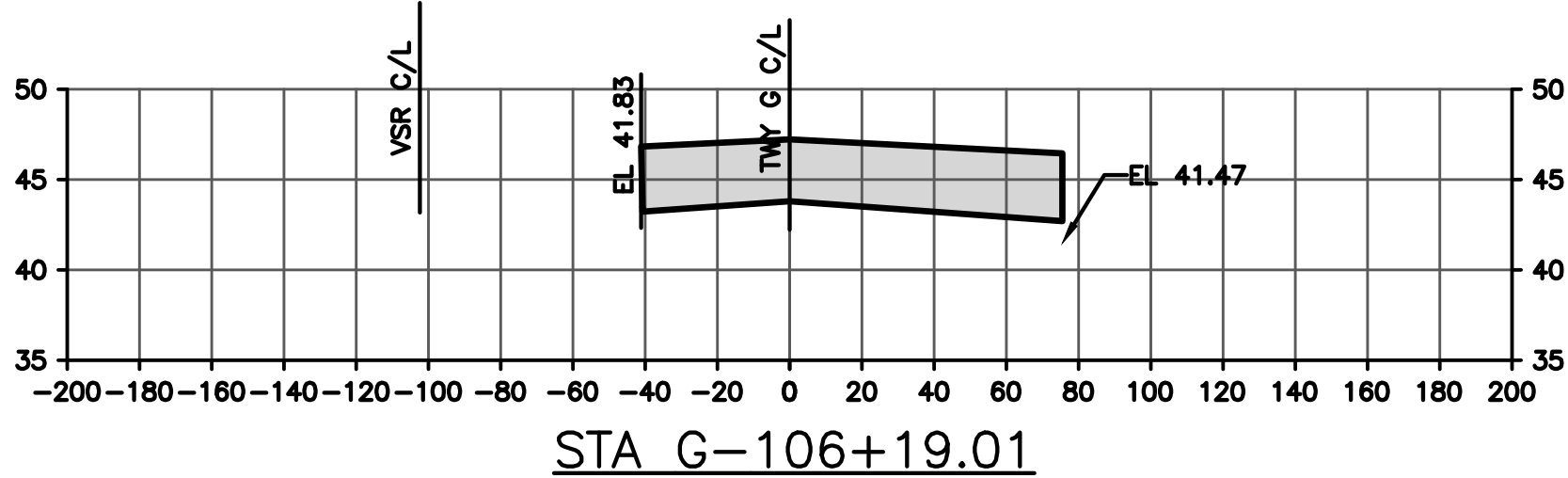
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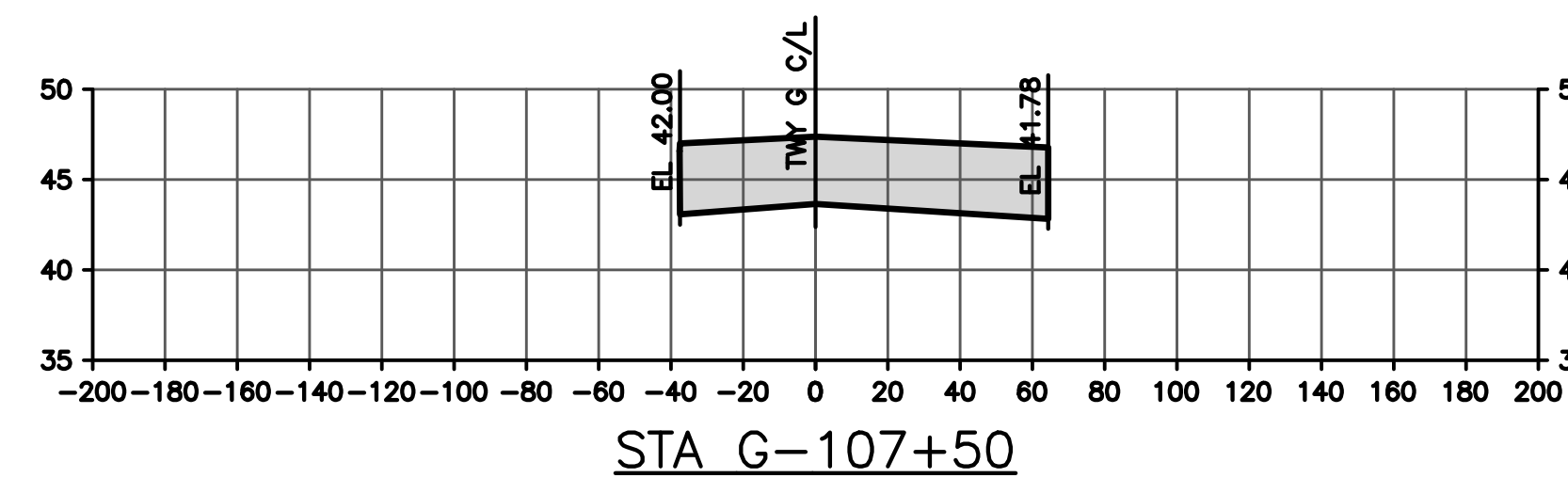
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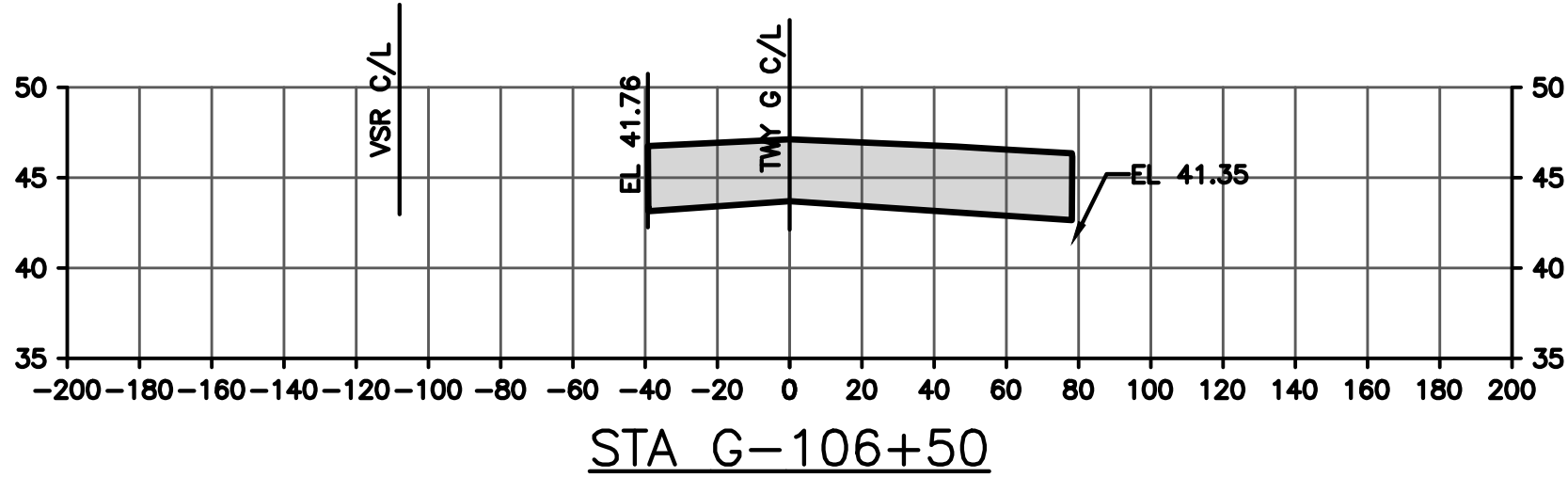
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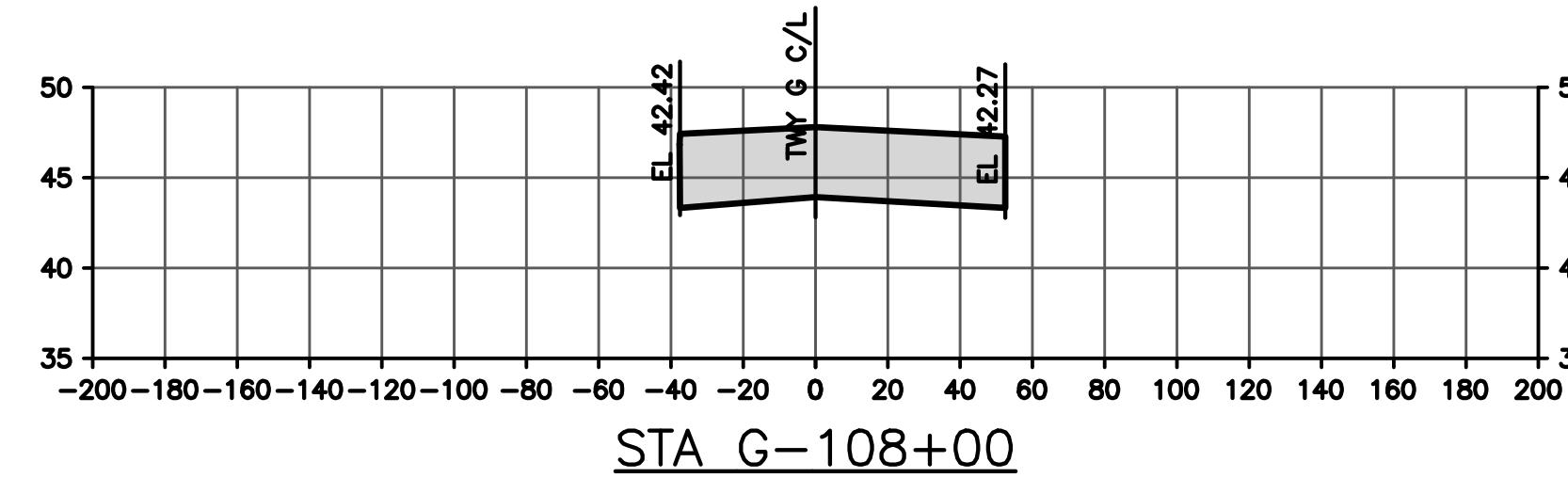
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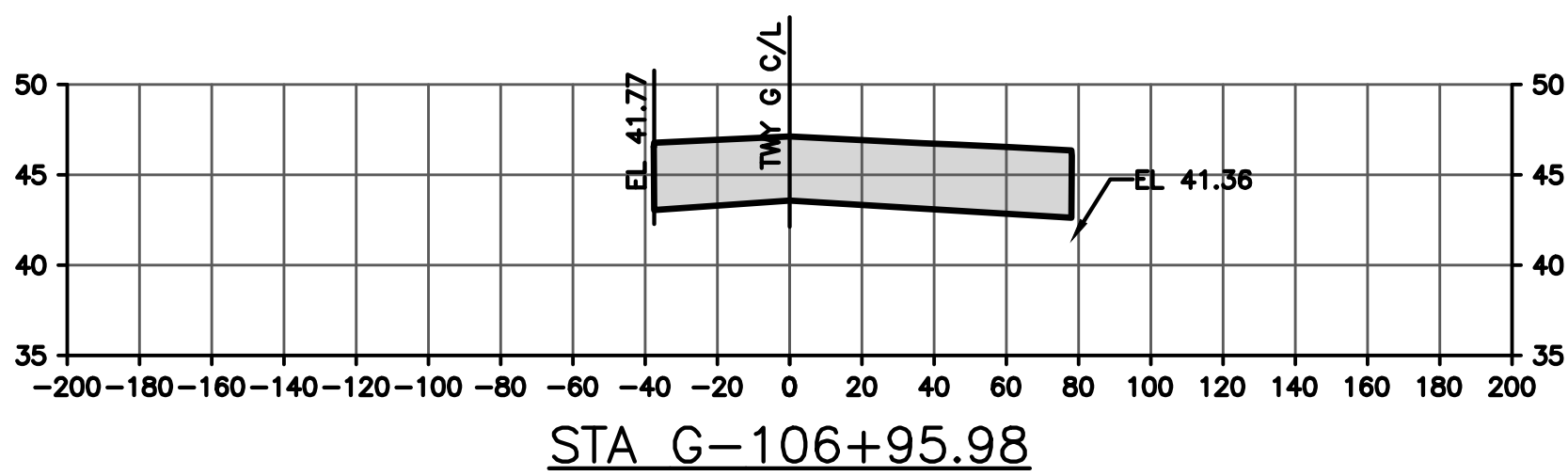
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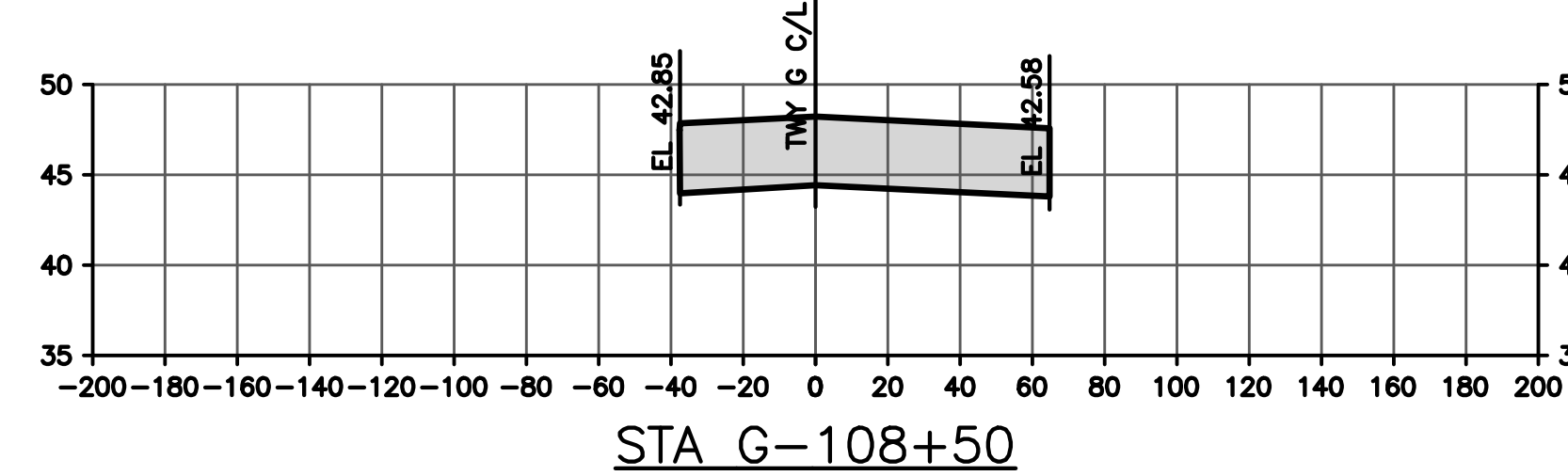
STA G-106+50



STA G-108+00



STA G-106+95.98



STA G-108+50

LEGEND:

- PROPOSED
- EXISTING G
- PROPOSED SECTION O

GRAPHIC SCALE



HORIZONTAL SCALE: 1" = 100'



VERTICAL SCALE: 1" = 5'



HOUSTON AIRPORT SYSTEM

WILLIAM P. HOBBY AIRPORT

HOUSTON TEXAS

Jacobs

JACOBS ENGINEERING GROUP INC.
5995 ROGERDALE ROAD
HOUSTON, TEXAS 77072
+1-832-351-6000
WWW.JACOBS.COM
TEXAS P.E. FIRM F-2966

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
0 1"

REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	02/24/2023	SC

FAA NON-STANDARD TAXIWAYS PROJECT

CROSS SECTIONS - TAXIWAY K

PROJECT MGR: S. CHILDERS

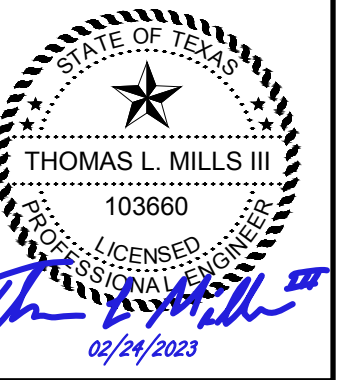
DESIGNER: B. BARTLETT

DRAWN BY: S. WAZIRI

CHECKED BY: R. EHTESHAM

SCALE: AS SHOWN

DATE: 02/24/2023



APPROVED BY: DATE:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO:

770

C.I.P. NO:

3-48-0110-044

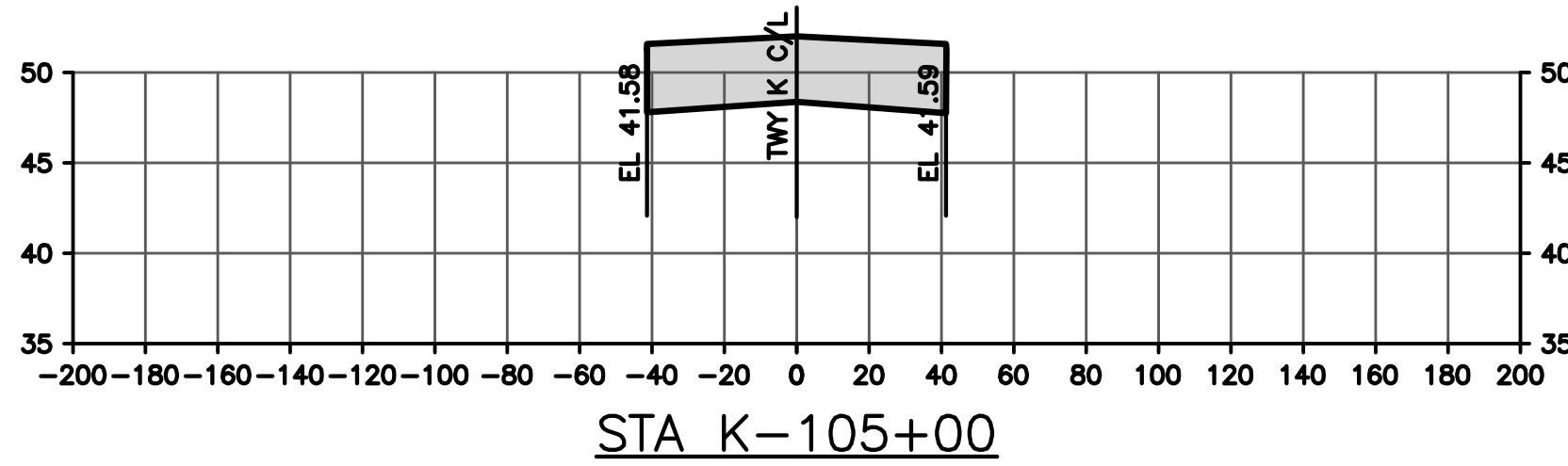
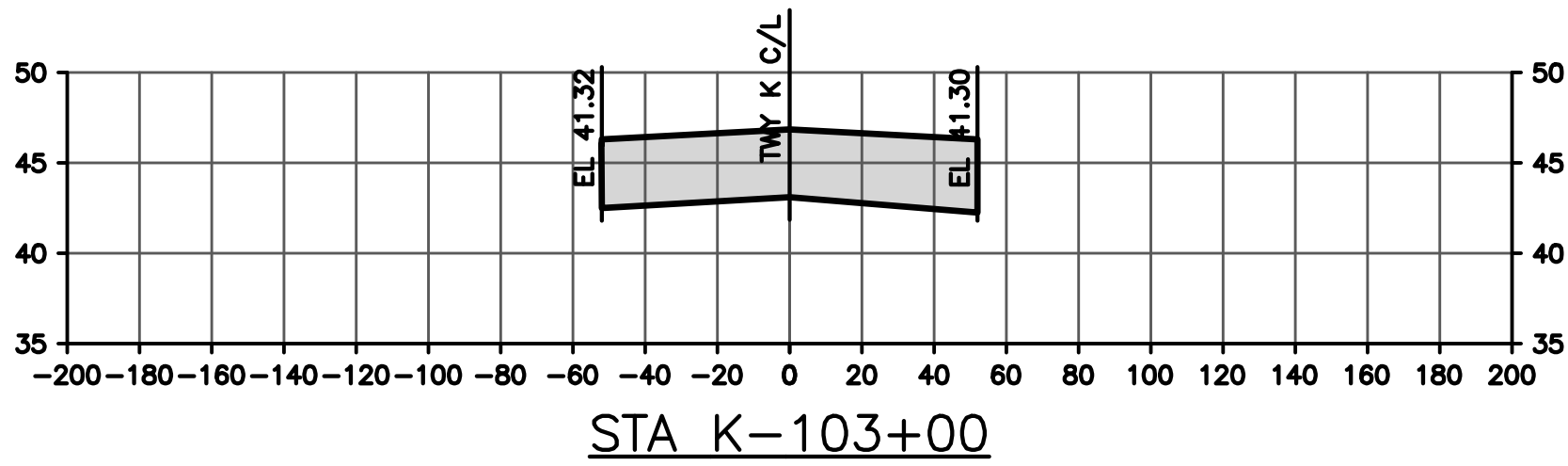
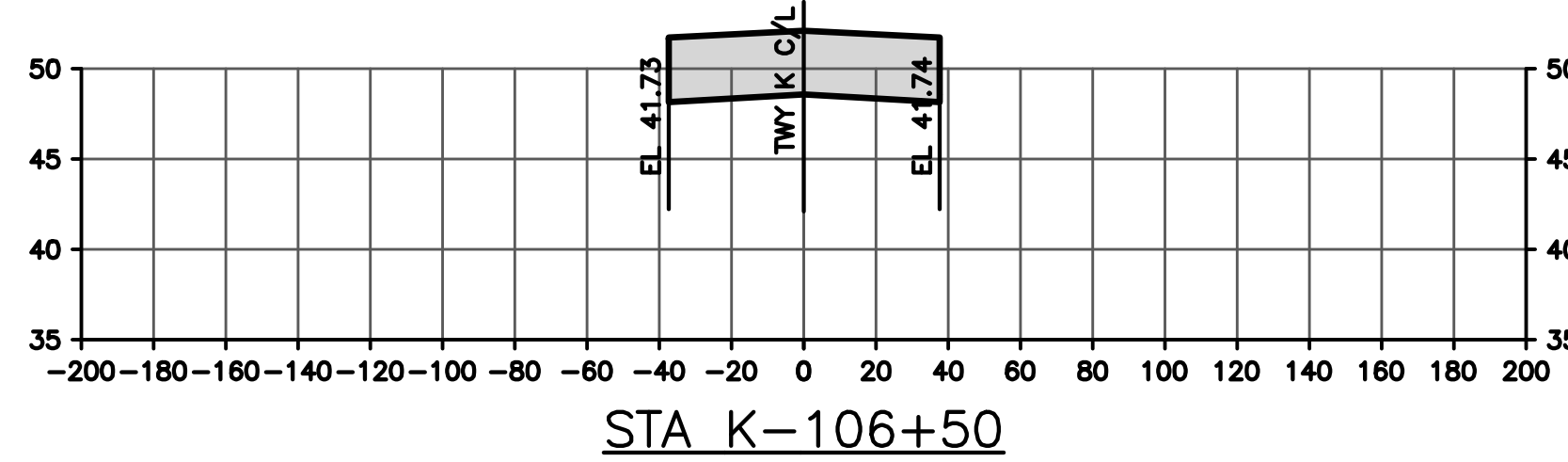
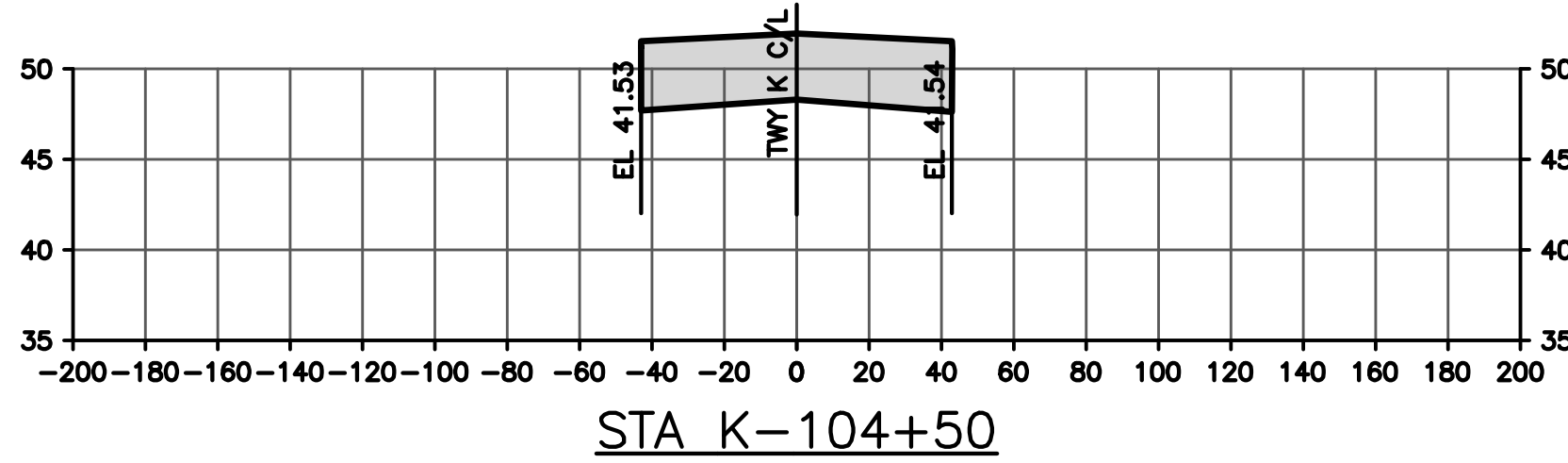
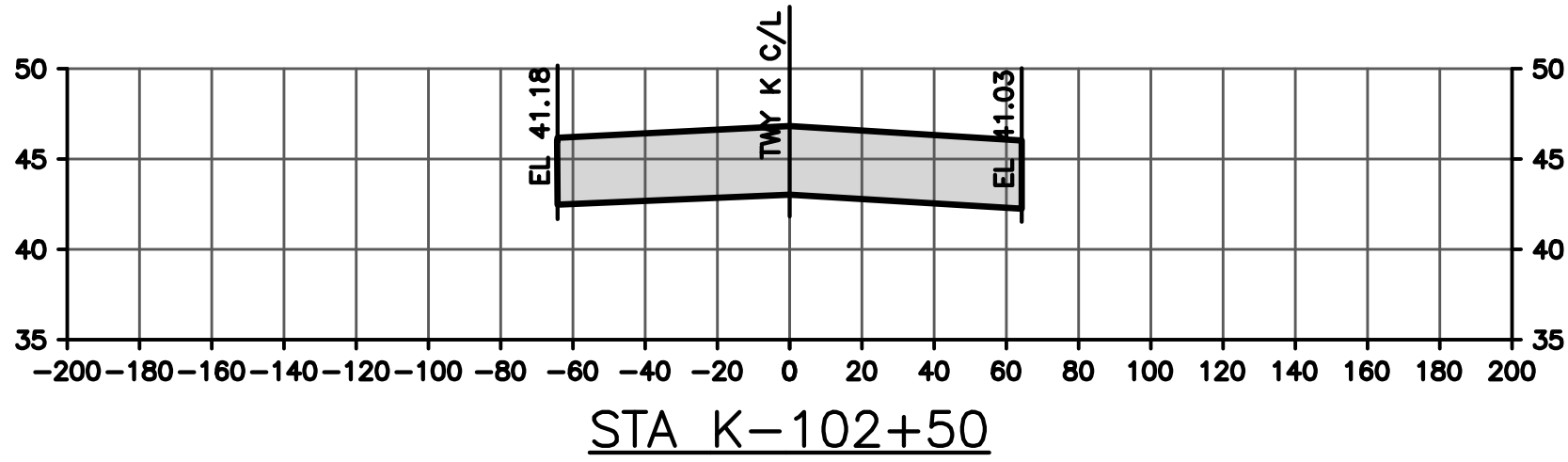
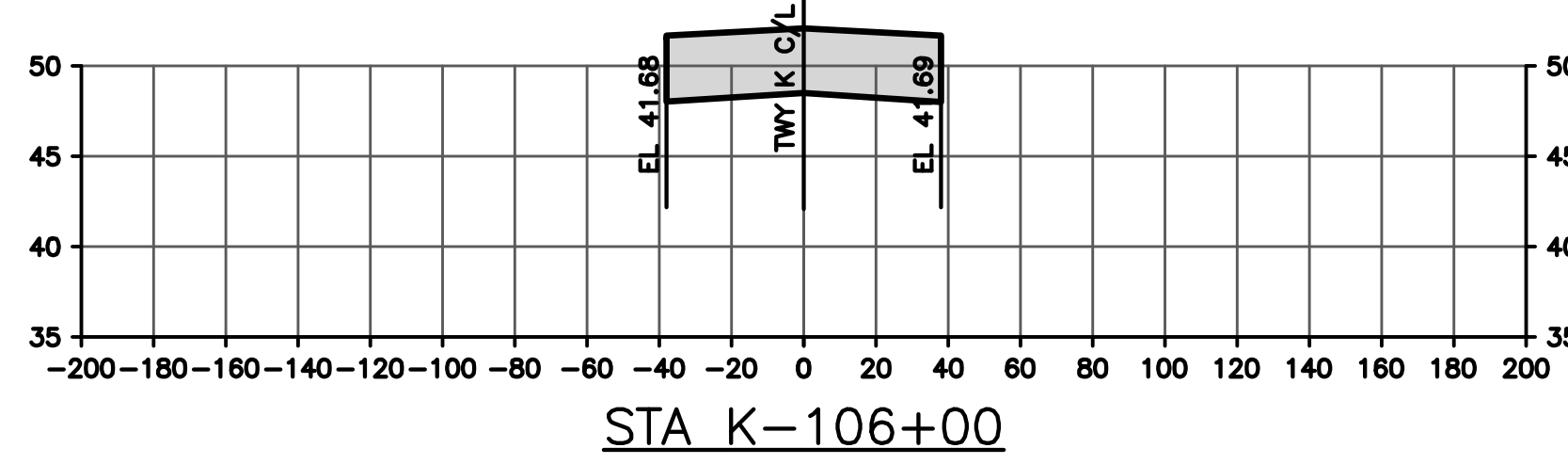
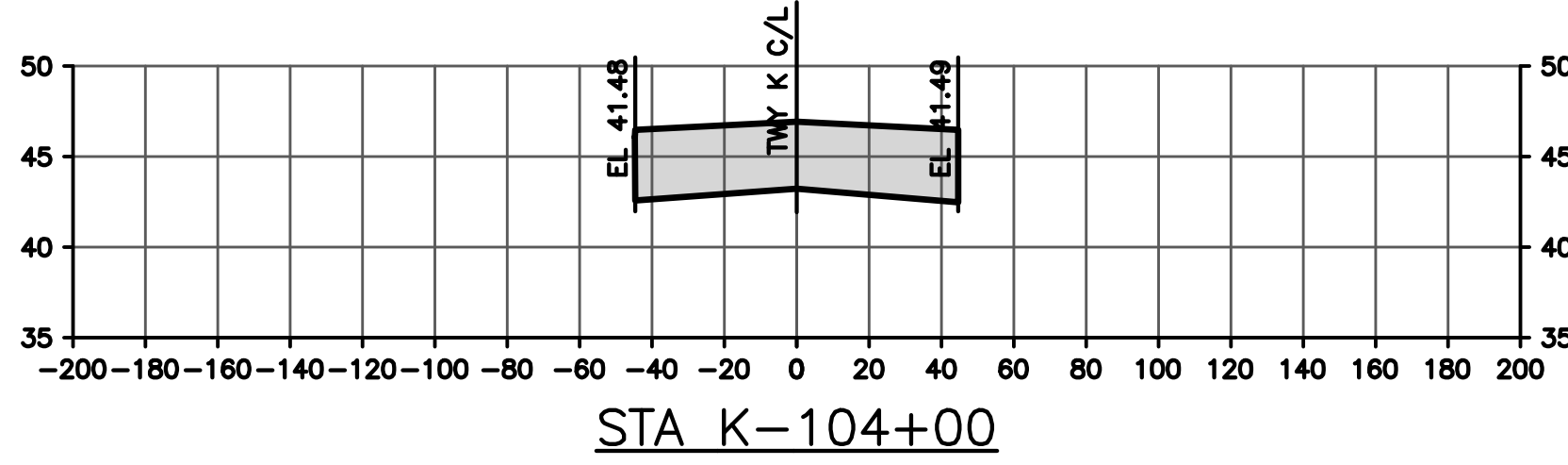
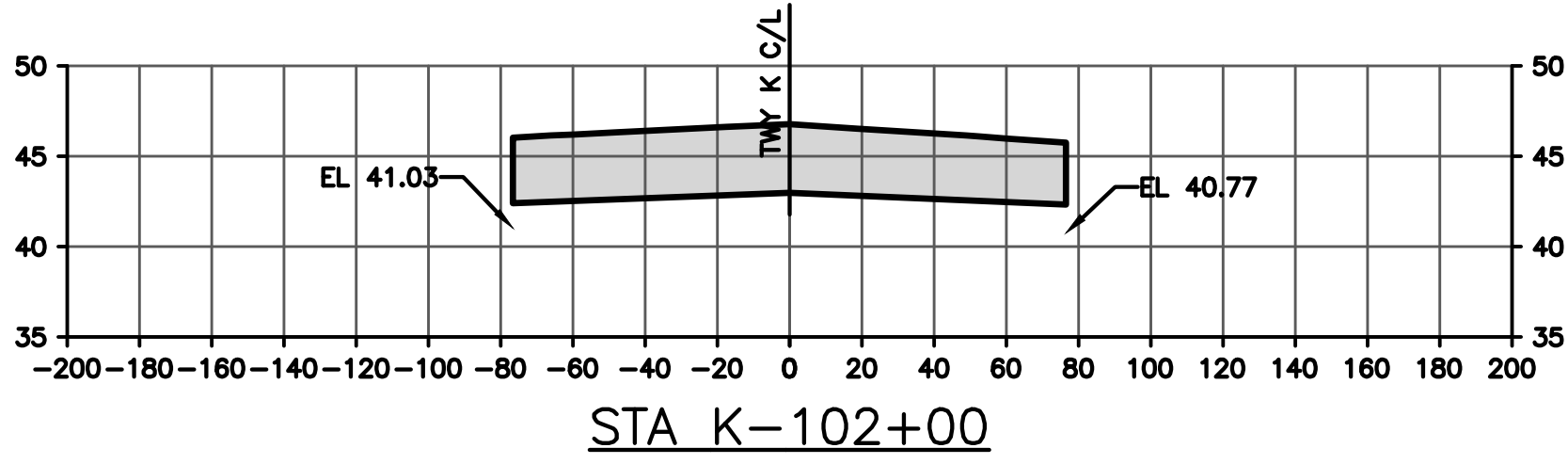
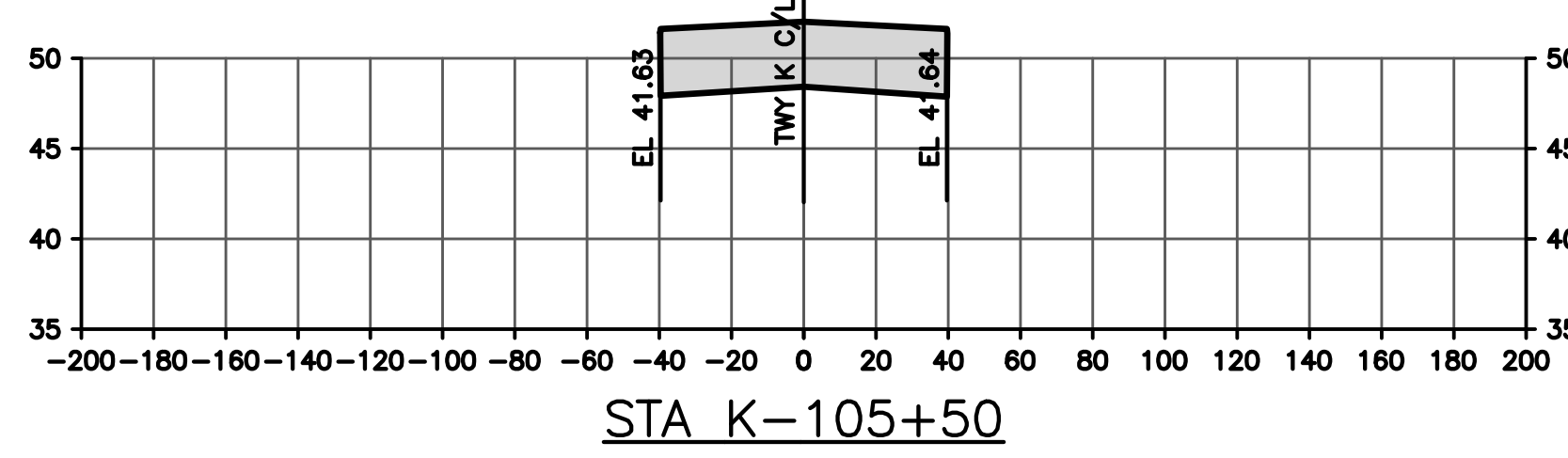
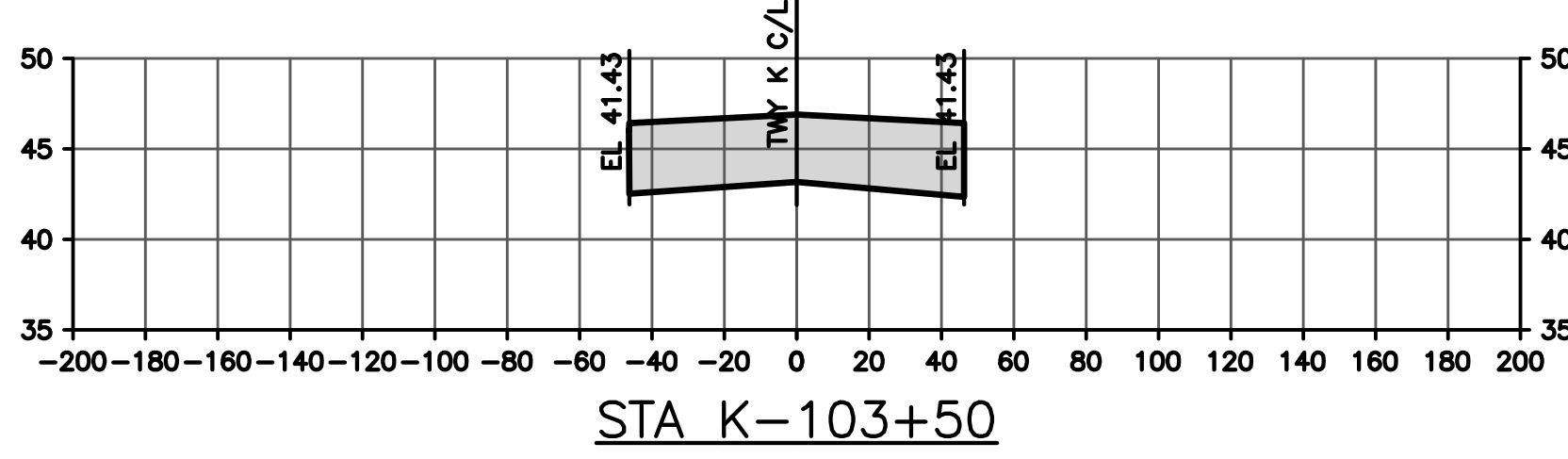
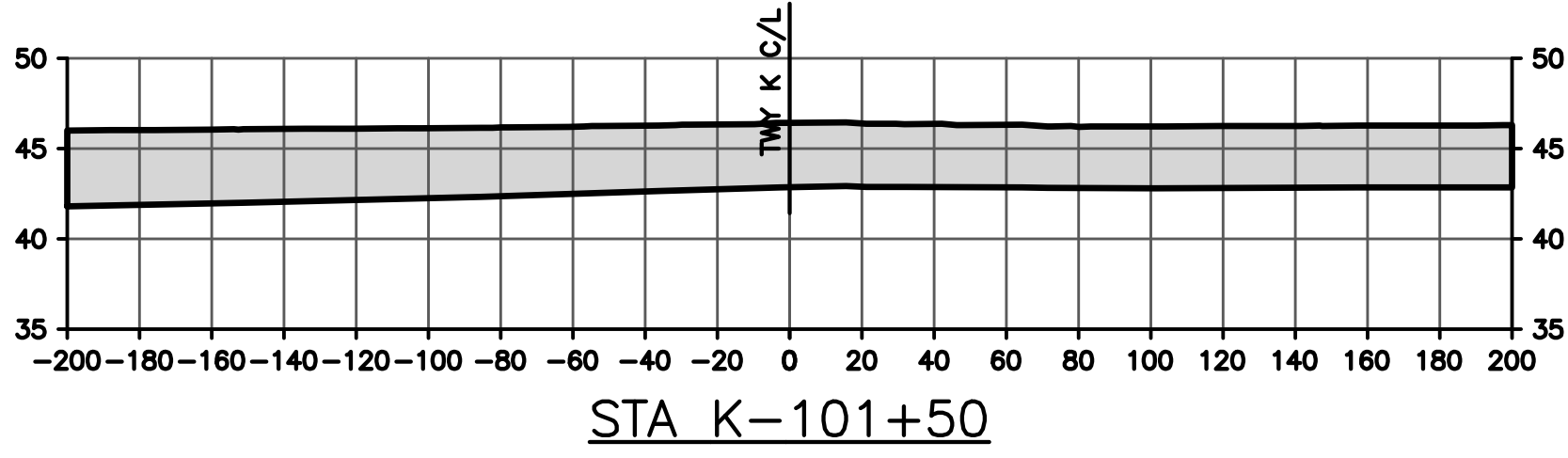
H.A.S. NO:

N/A

SHEET NO:

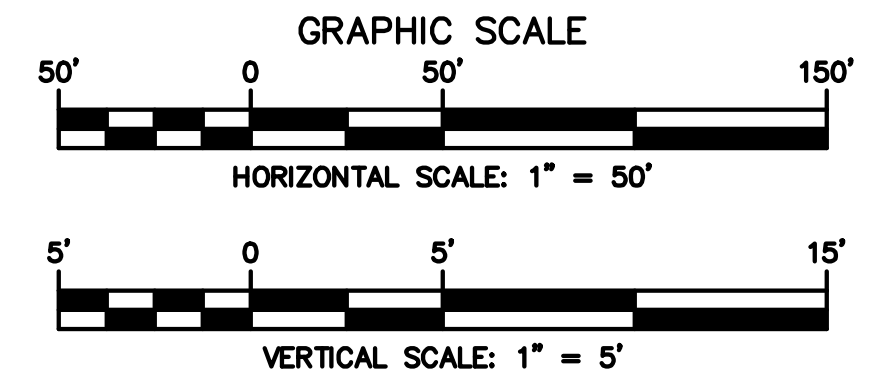
XS331

of



LEGEND:

- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED PAVEMENT SECTION OUTLINE



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WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS

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+1-832-351-6000
WWW.JACOBS.COM
TEXAS P.E. FIRM F-2966

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING. 1"

REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	02/24/2023	SC

FAA NON-STANDARD TAXIWAYS PROJECT

CROSS SECTIONS - TAXIWAY K1

PROJECT MGR:	S. CHILDERS
DESIGNER:	B. BARTLETT
DRAWN BY:	S. WAZIRI
CHECKED BY:	R. EHTESHAM
SCALE:	AS SHOWN
DATE:	02/24/2023

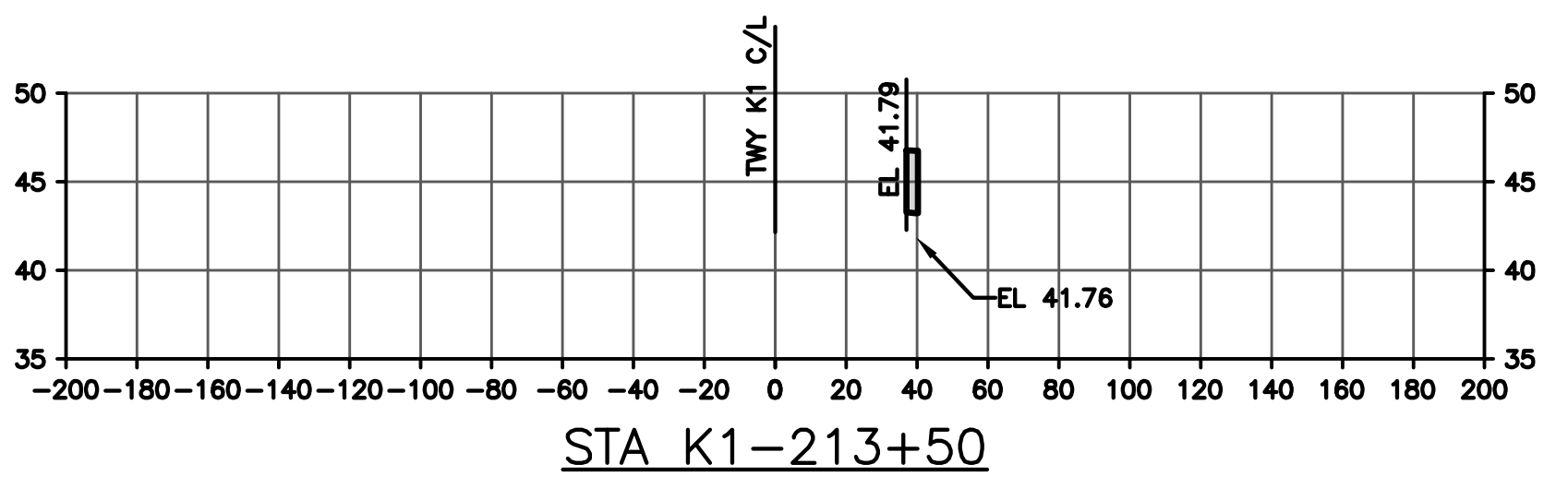
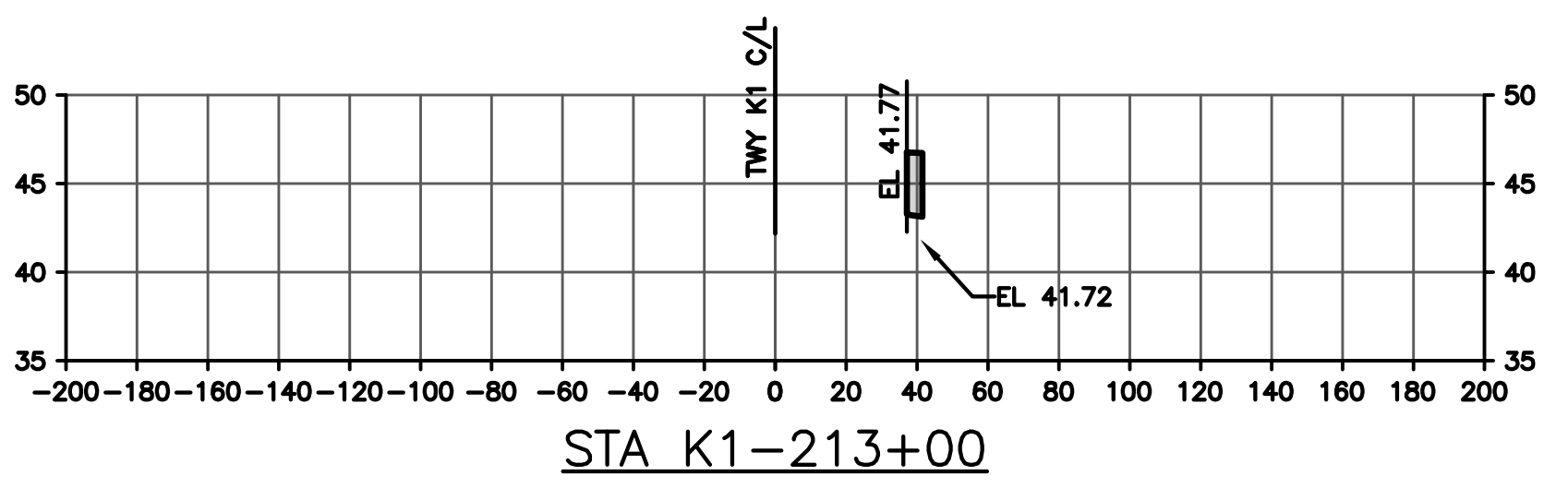
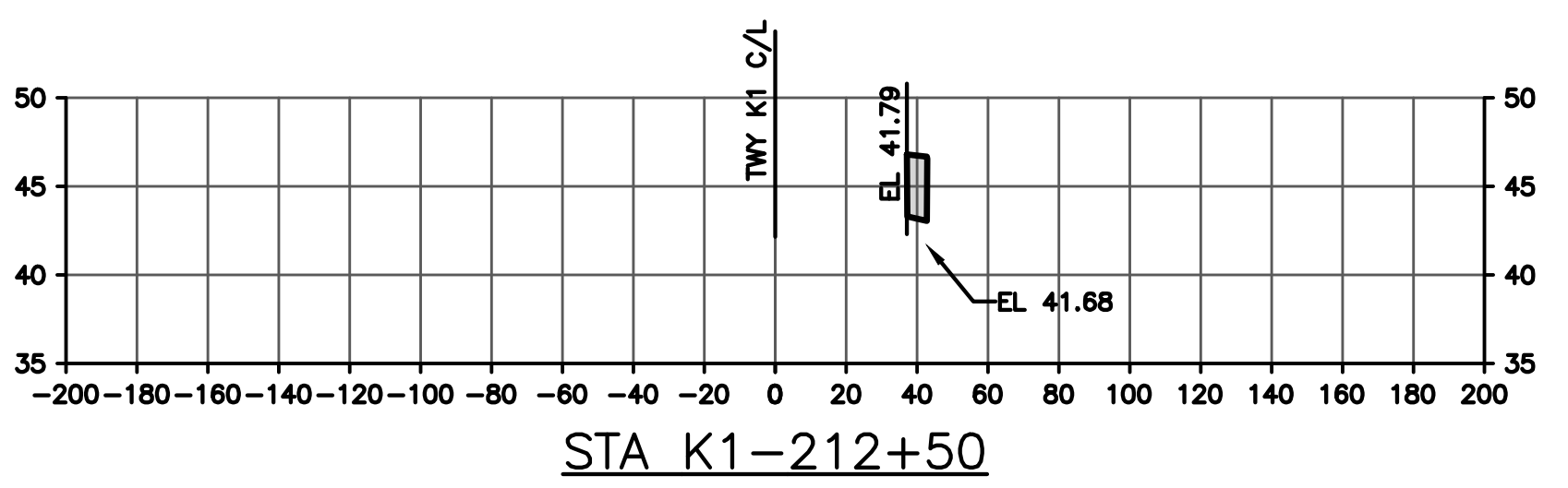


APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

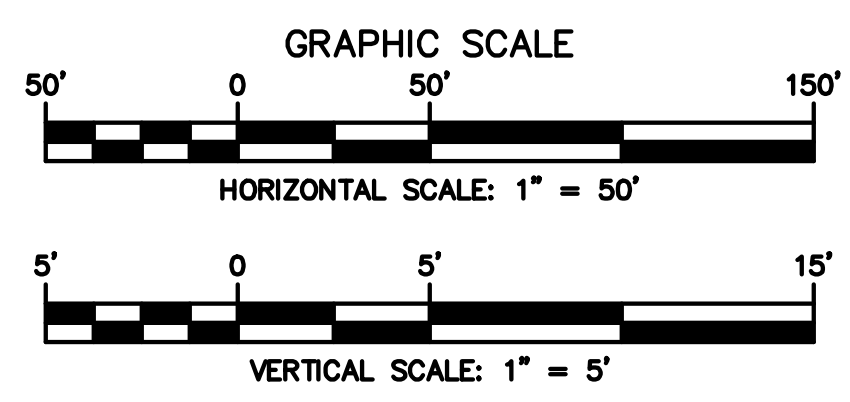
PROJECT NO:	770
C.I.P. NO:	3-48-0110-044
H.A.S. NO:	N/A
SHEET NO:	XS343

of



LEGEND:

- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED PAVEMENT SECTION OUTLINE

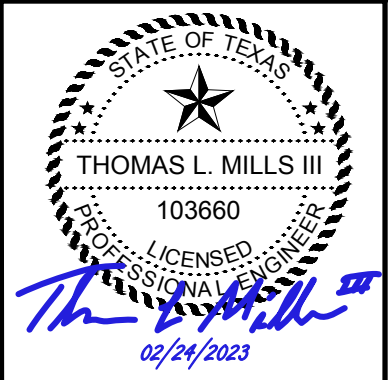


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REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	02/24/2023	SC

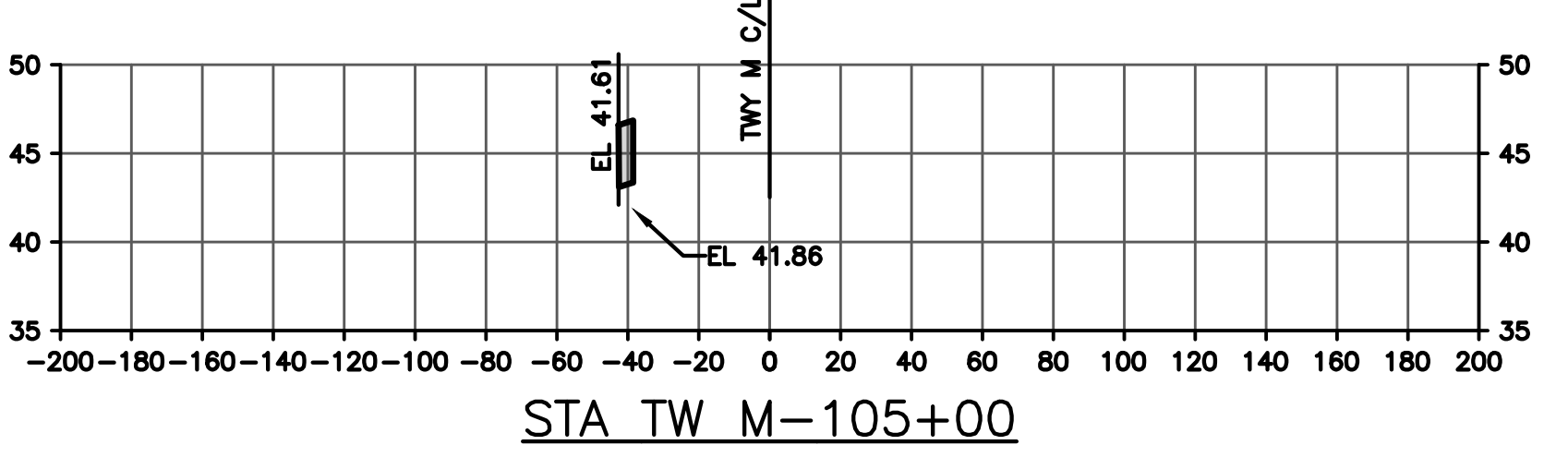
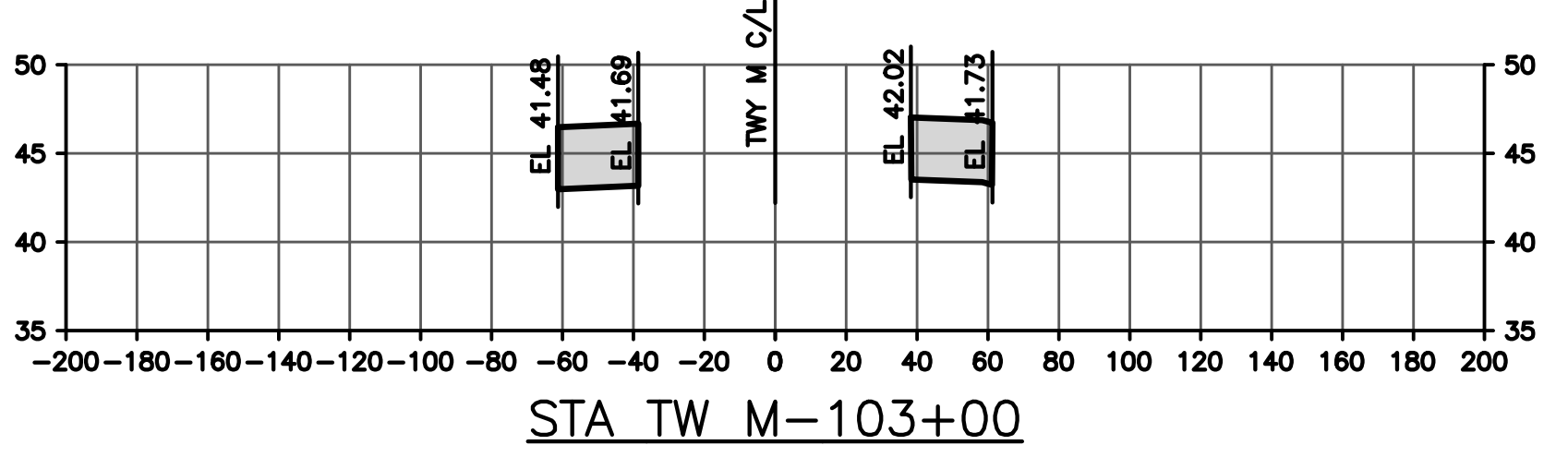
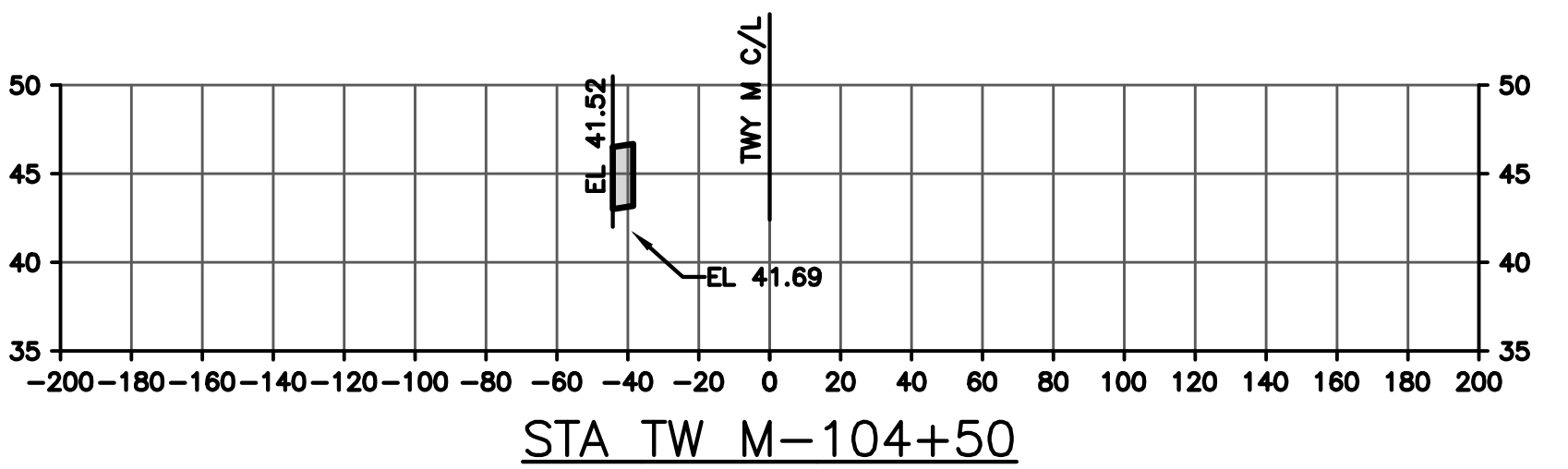
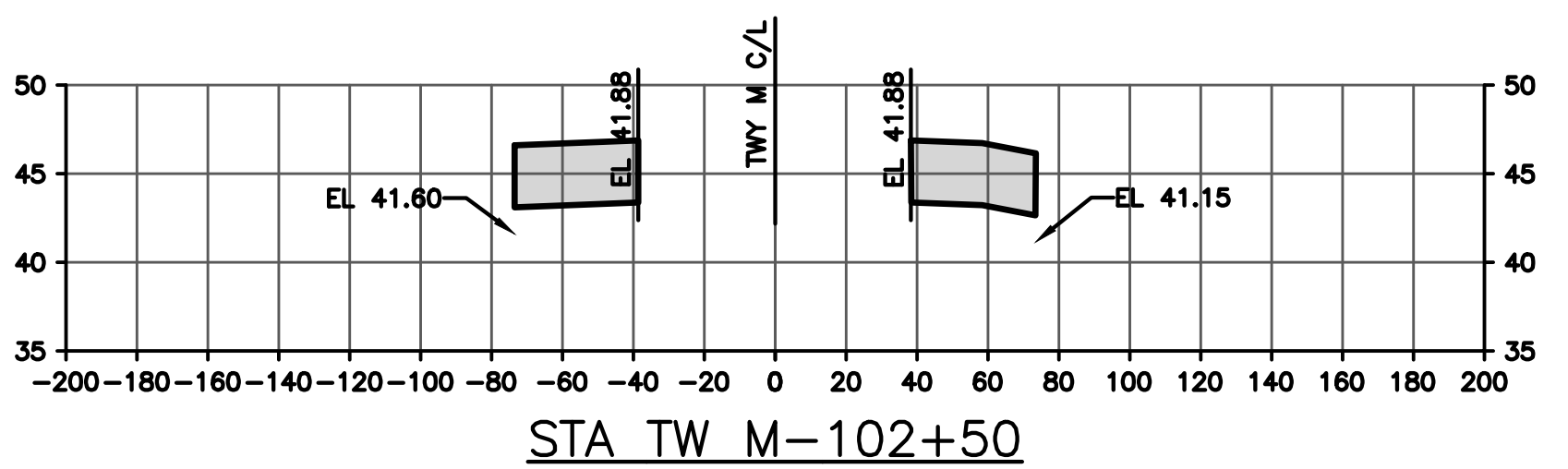
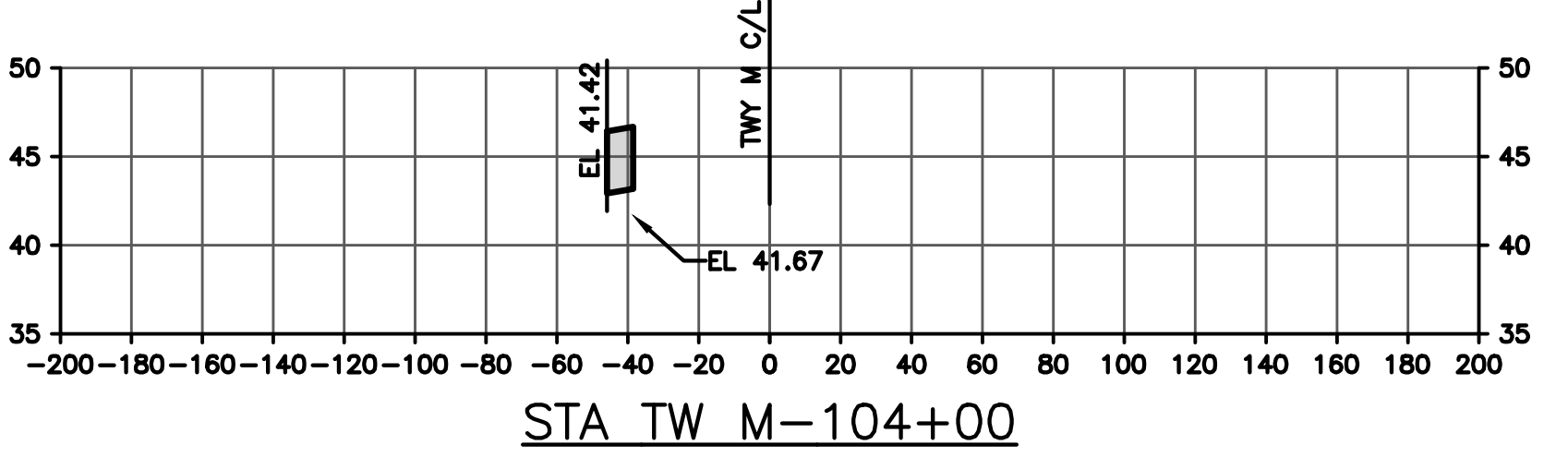
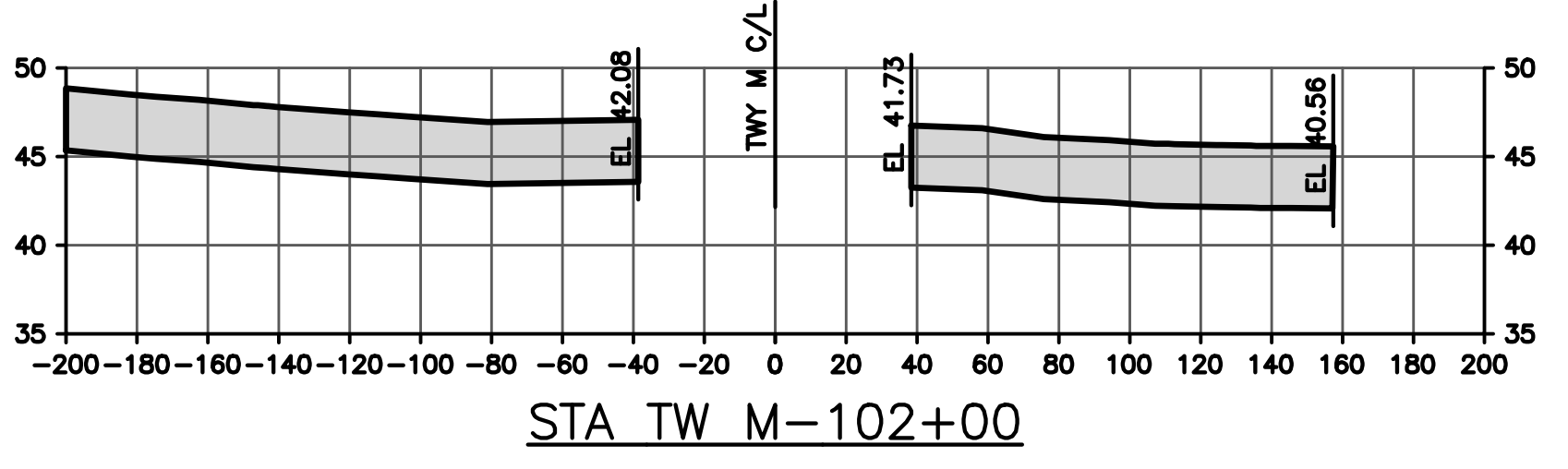
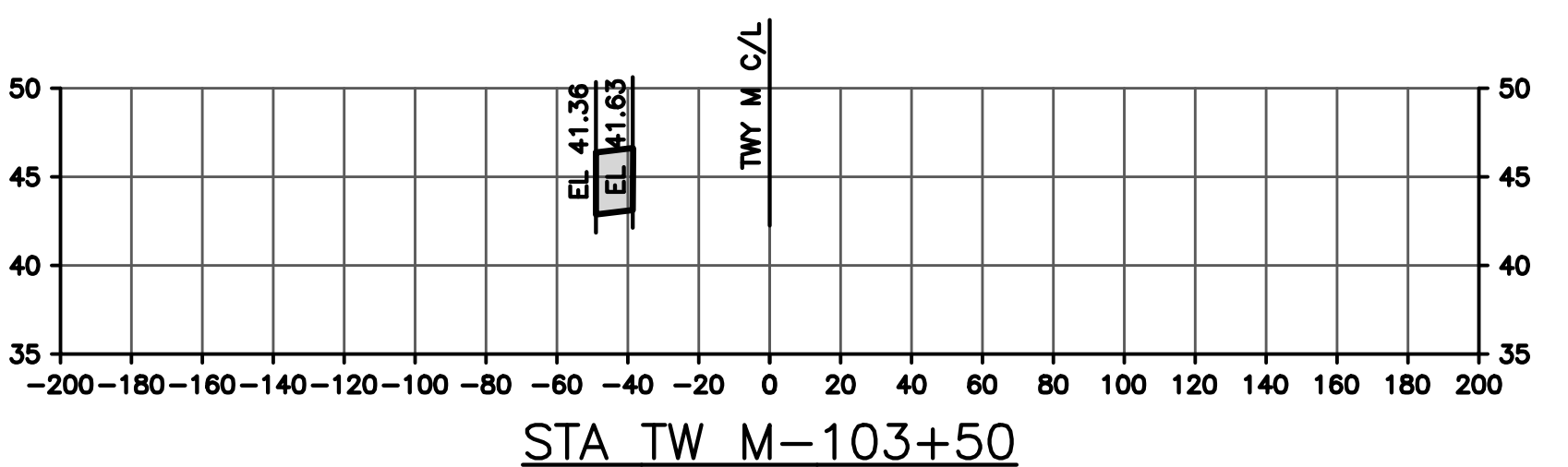
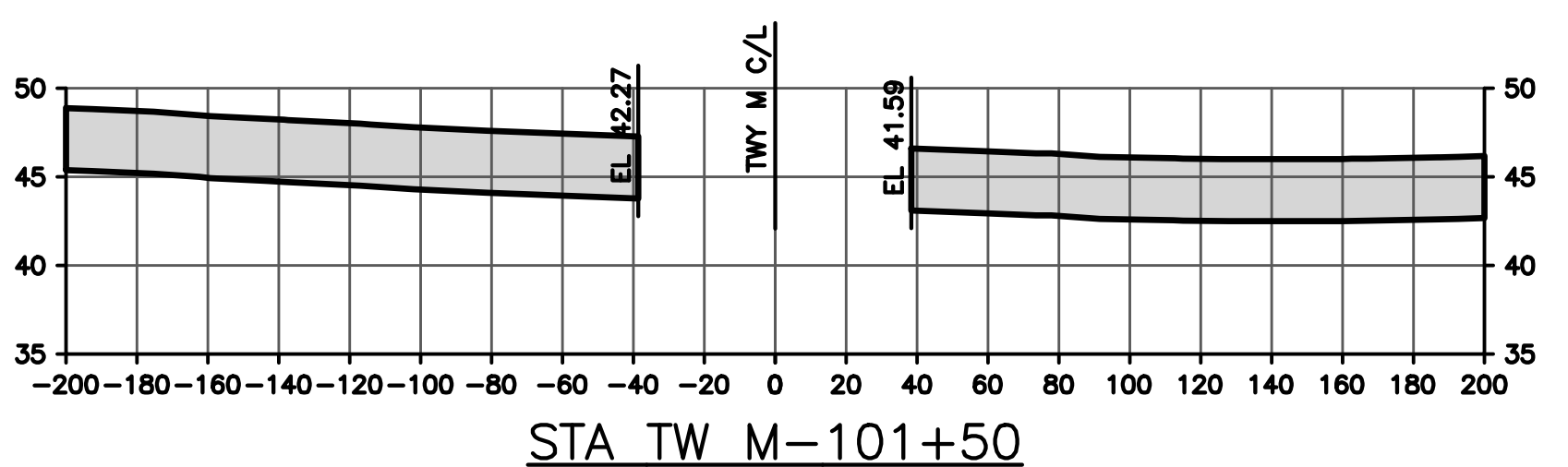
FAA NON-STANDARD TAXIWAYS PROJECT
 CROSS SECTIONS - TAXIWAY M

PROJECT MGR:	S. CHILDERS
DESIGNER:	B. BARTLETT
DRAWN BY:	S. WAZIRI
CHECKED BY:	R. EHTESHAM
SCALE:	AS SHOWN
DATE:	02/24/2023

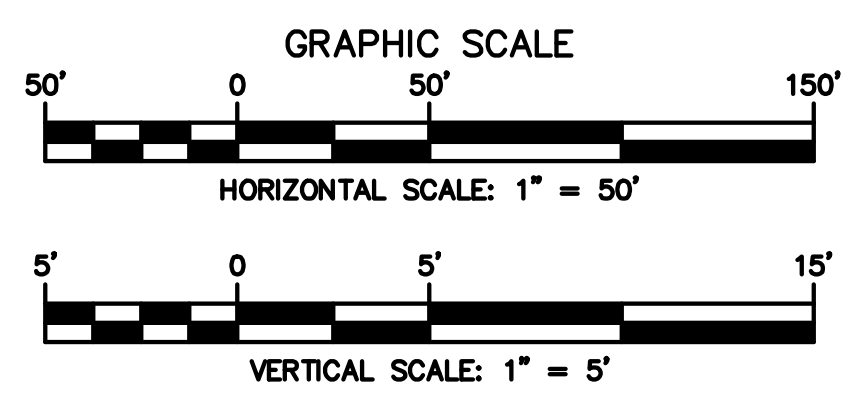


APPROVED BY:	DATE:
DIRECTOR	HOUSTON AIRPORT SYSTEM

PROJECT NO:	770
C.I.P. NO:	3-48-0110-044
H.A.S. NO:	N/A
SHEET NO:	XS351



- LEGEND:**
- PROPOSED GRADE
 - - - - - EXISTING GRADE
 - ▬ PROPOSED PAVEMENT SECTION OUTLINE



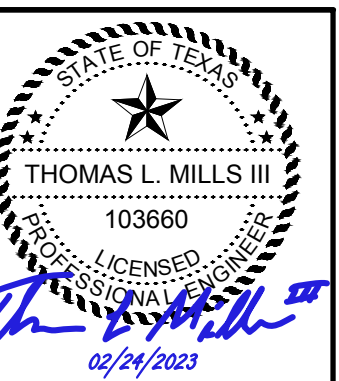
REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	02/24/2023	SC

FAA NON-STANDARD TAXIWAYS PROJECT

CROSS SECTIONS - VSR

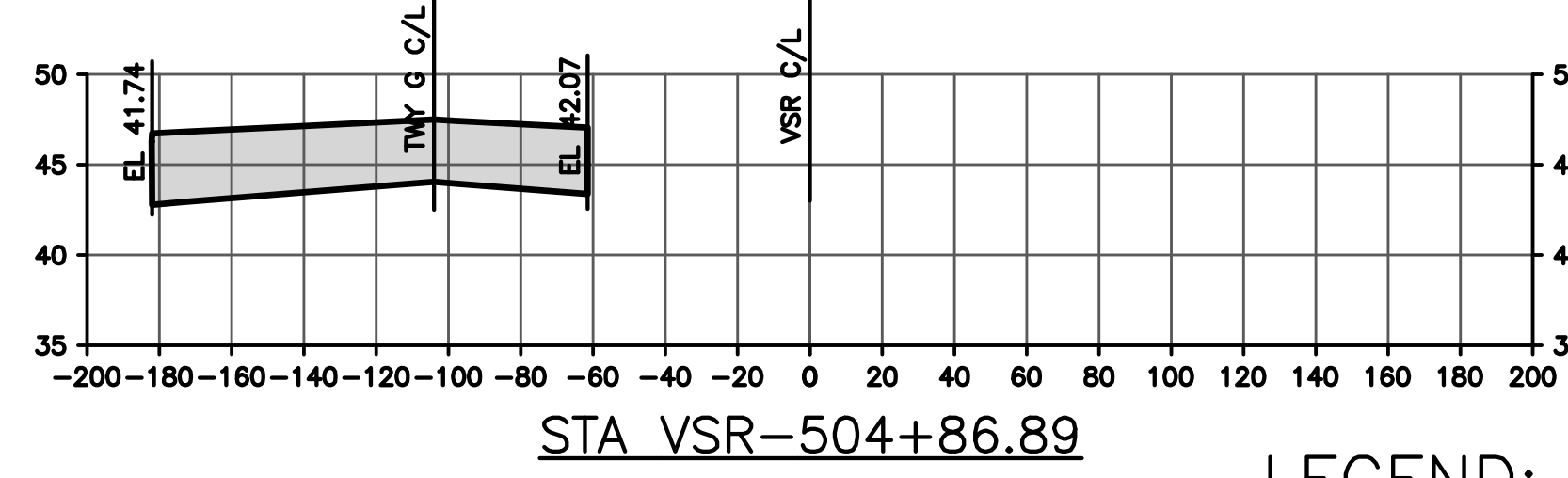
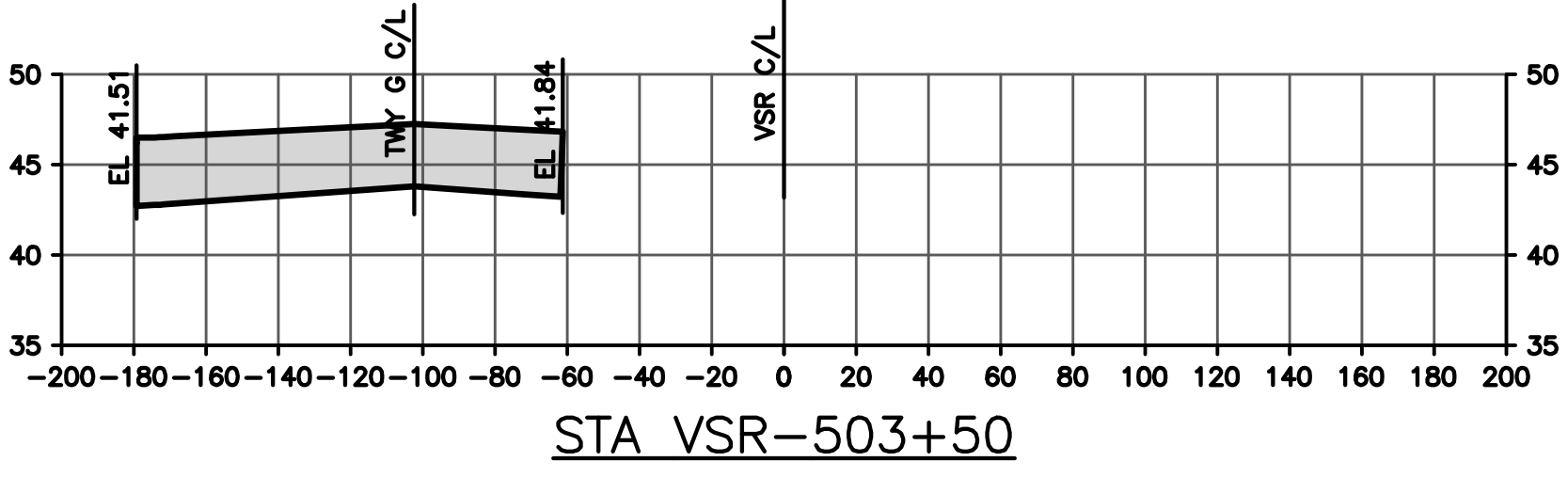
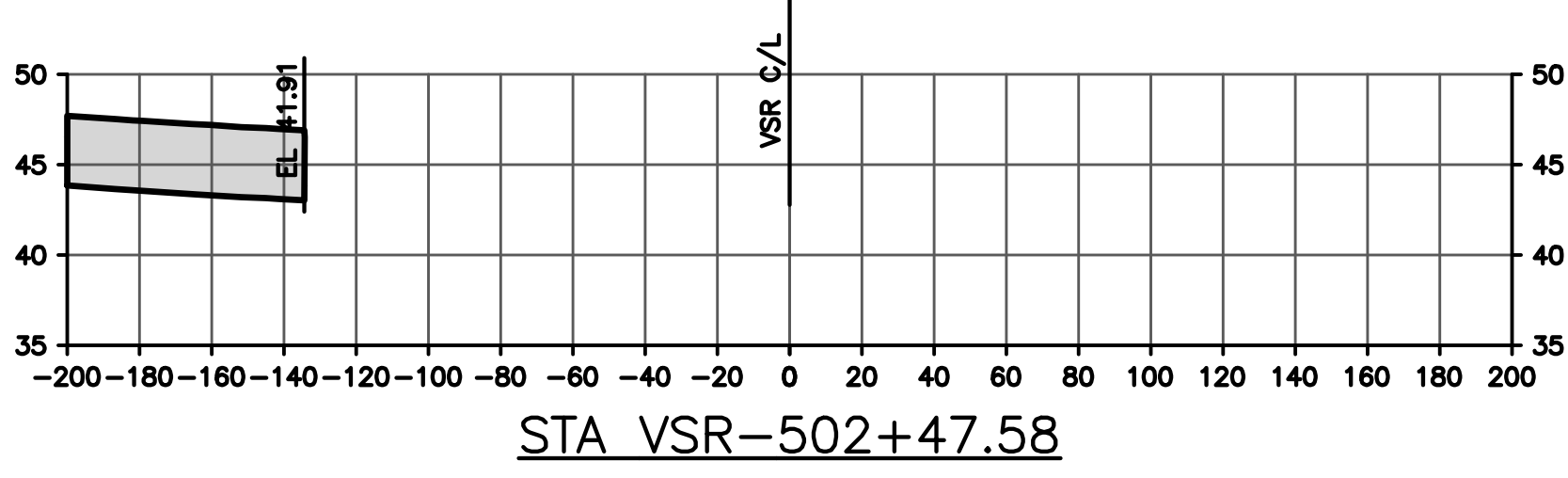
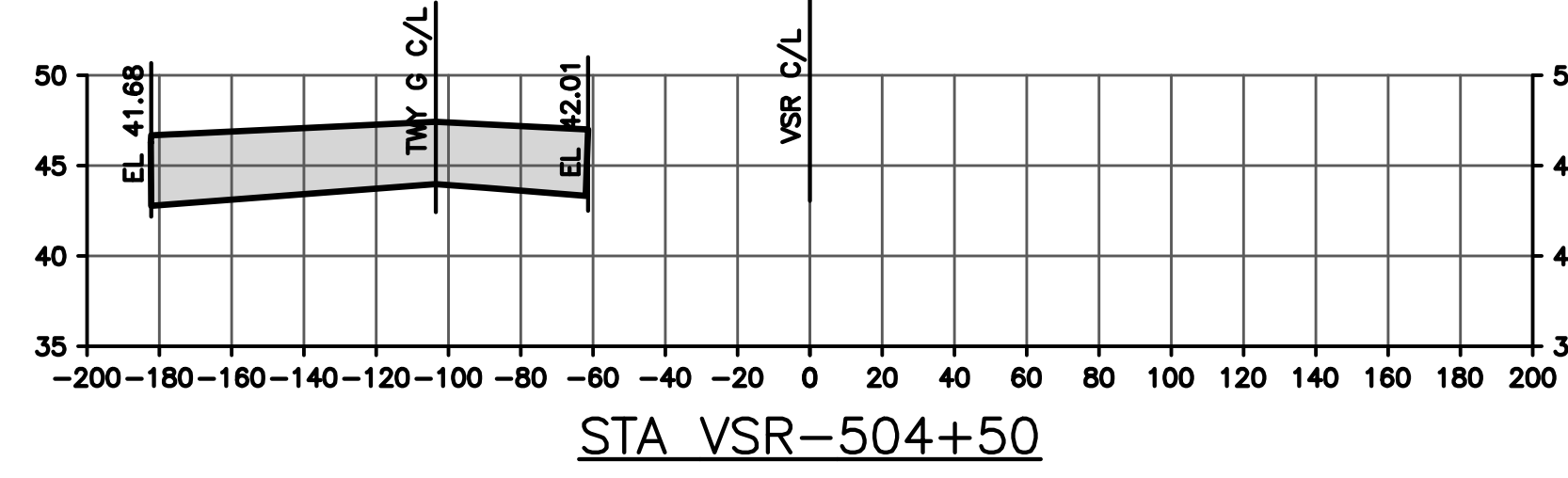
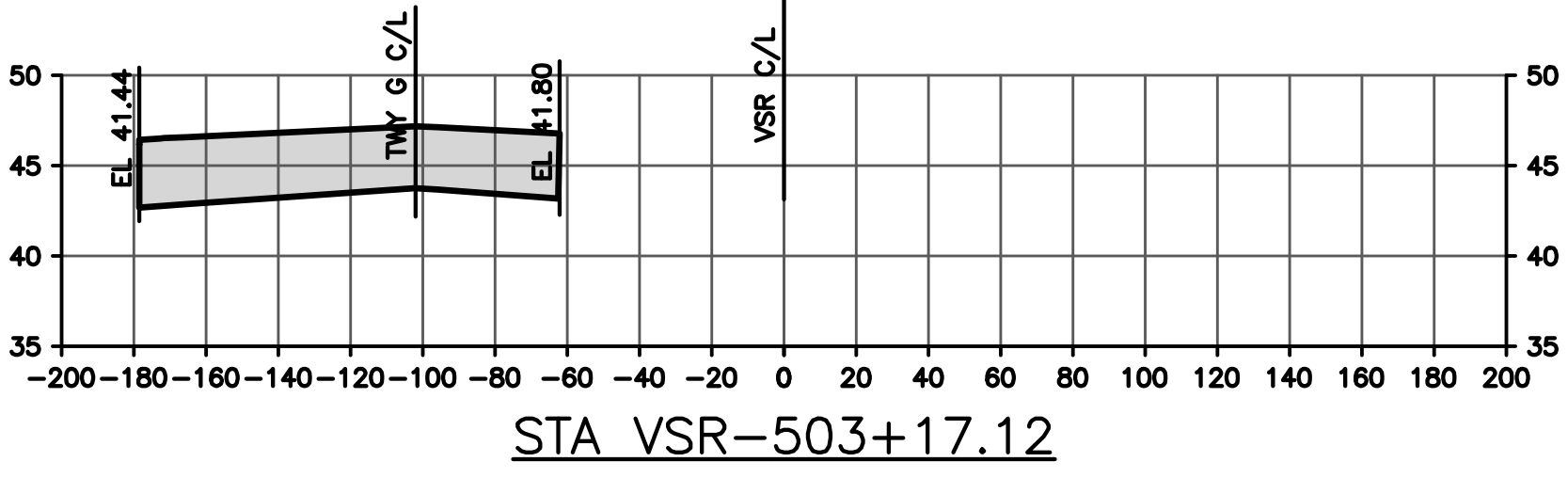
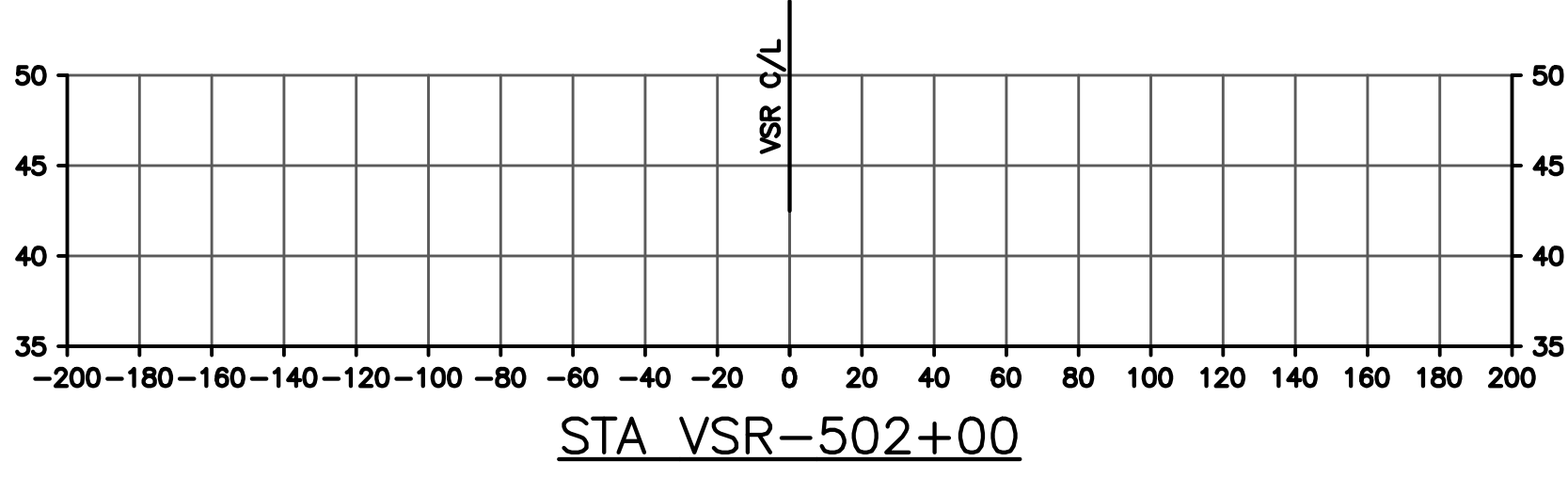
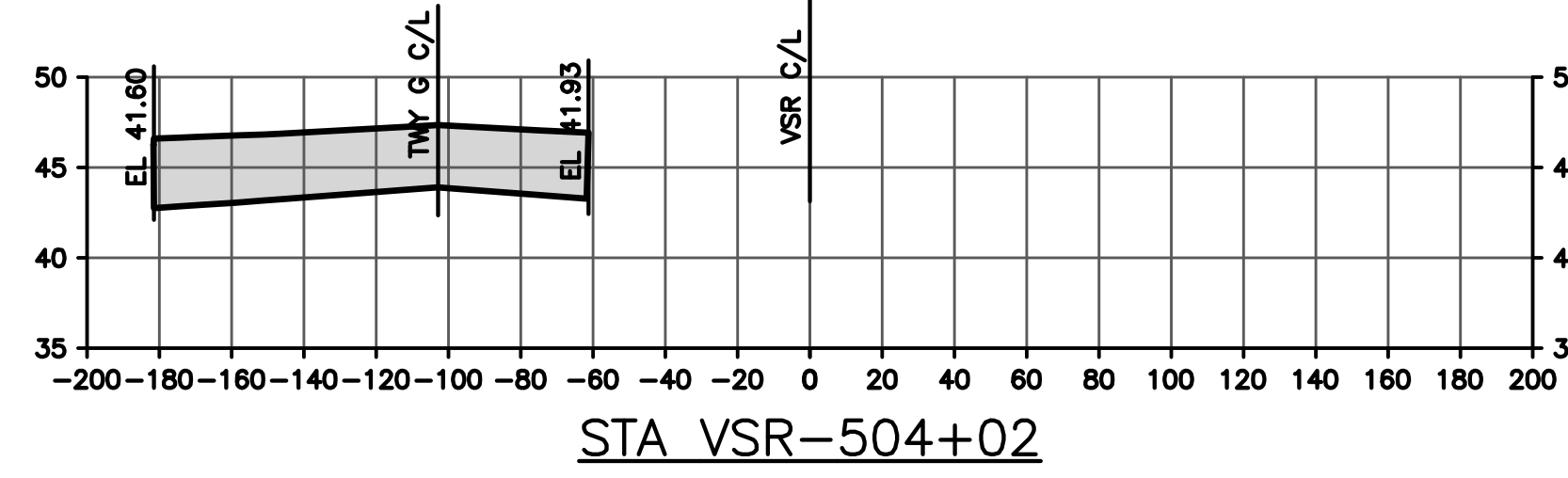
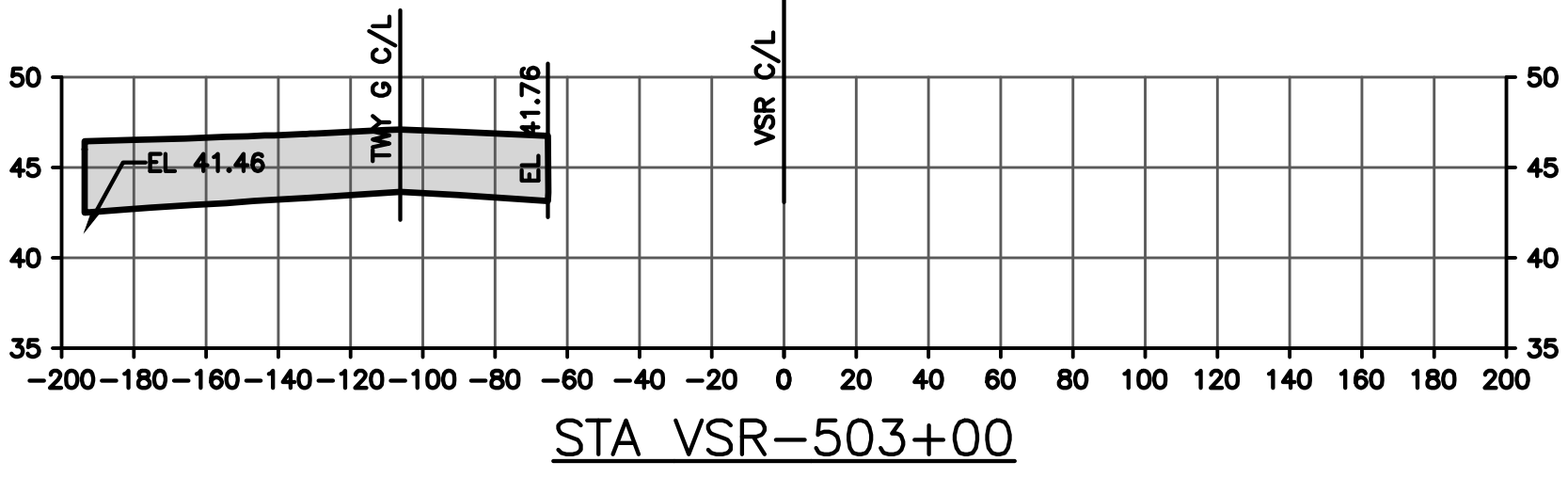
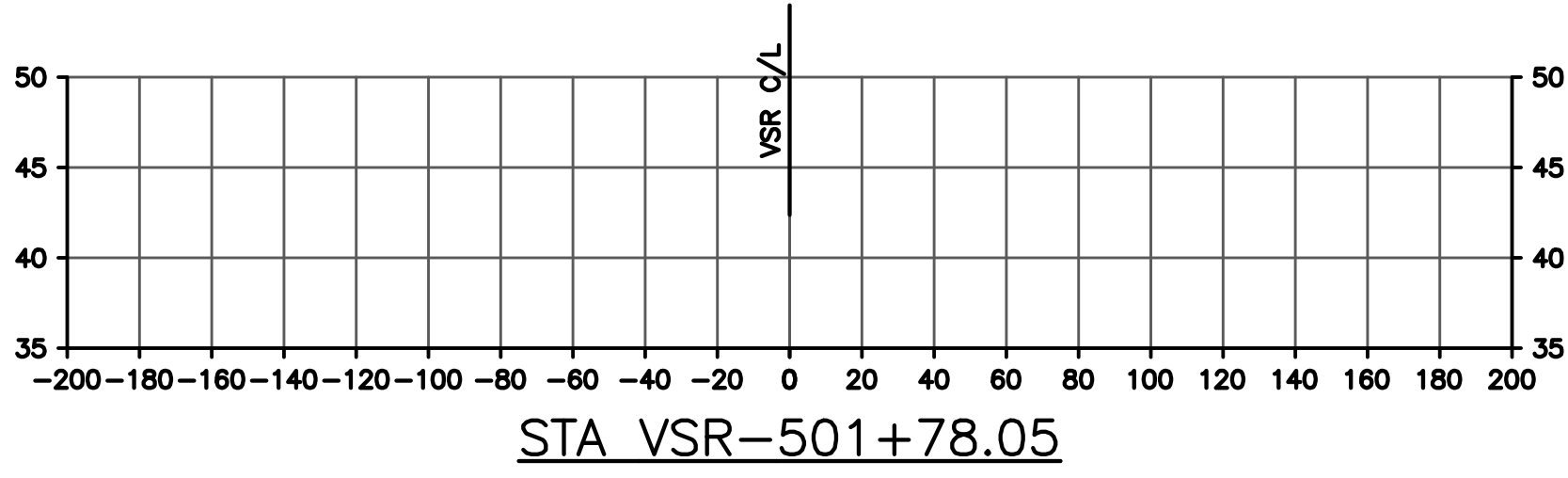
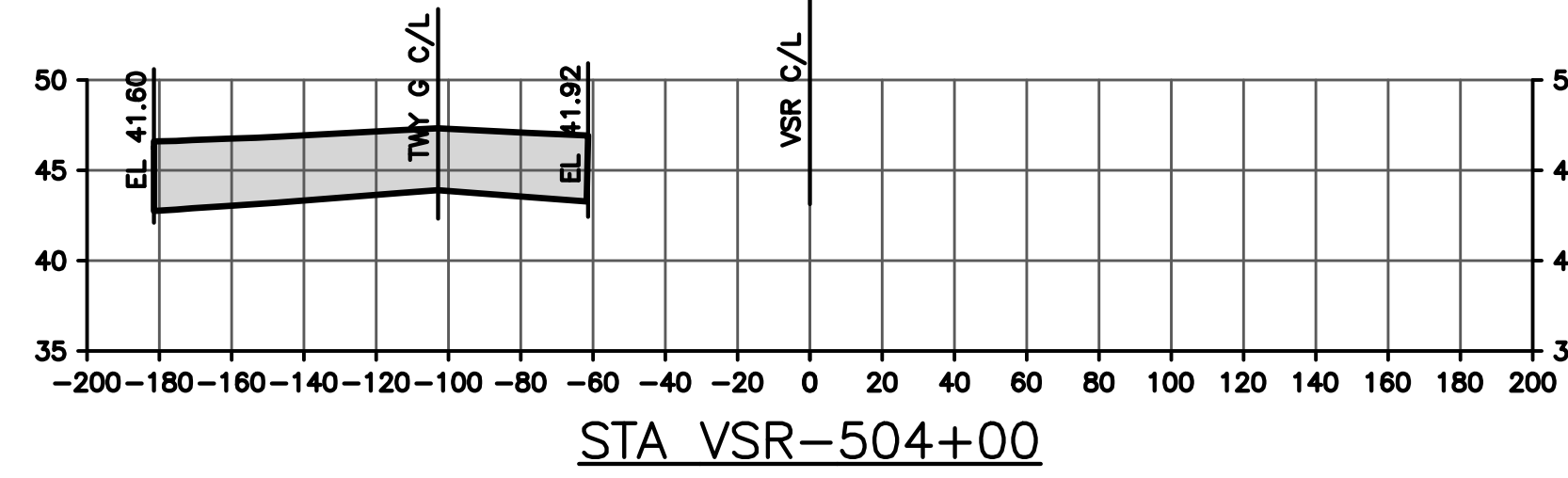
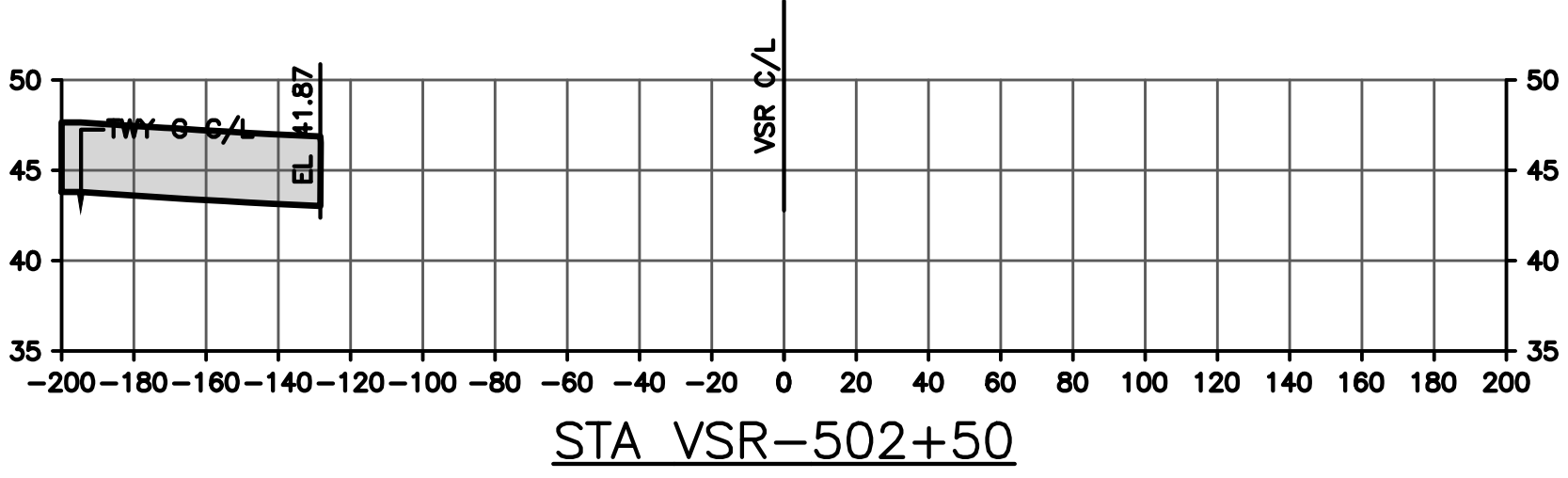
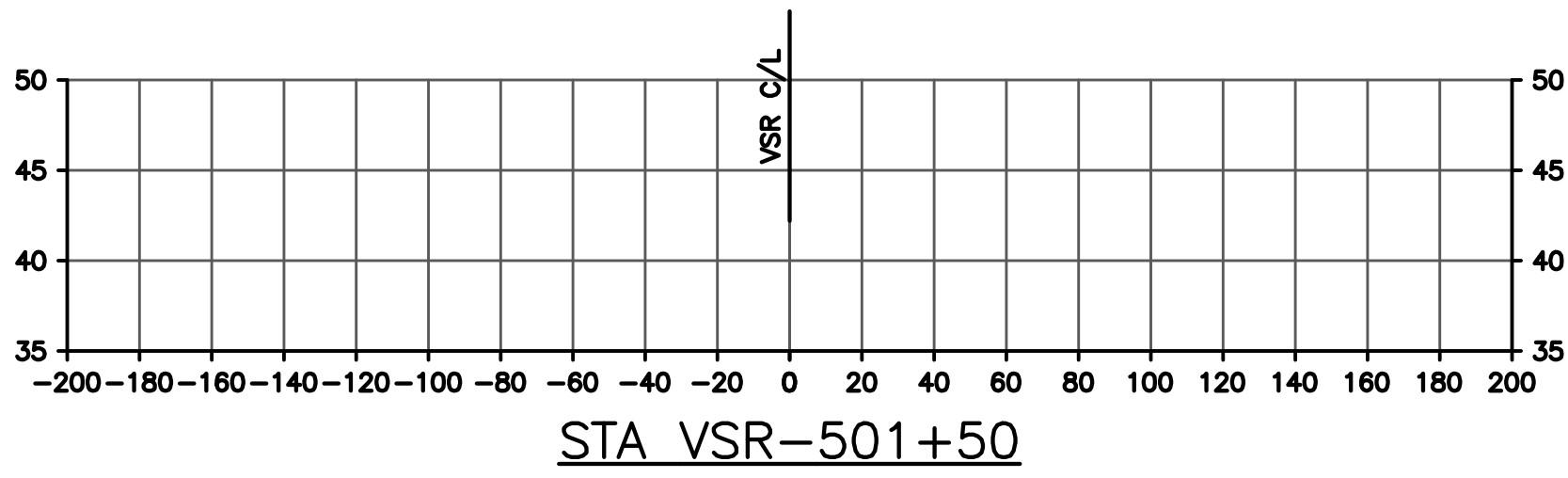
PROJECT MGR: S. CHILDERS
 DESIGNER: B. BARTLETT
 DRAWN BY: S. WAZIRI
 CHECKED BY: R. EHTESHAM
 SCALE: AS SHOWN
 DATE: 02/24/2023



APPROVED BY: _____ DATE: _____

DIRECTOR
 HOUSTON AIRPORT SYSTEM

PROJECT NO: 770
 C.I.P. NO: 3-48-0110-044
 H.A.S. NO: N/A
 SHEET NO: XS371
 of

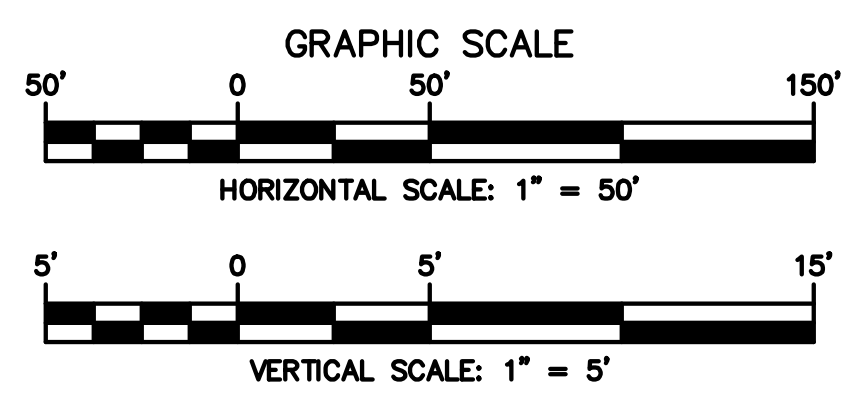


LEGEND:

— PROPOSED GRADE

- - - EXISTING GRADE

▬ PROPOSED PAVEMENT SECTION OUTLINE



REVISIONS			
NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	02/24/2023	SC

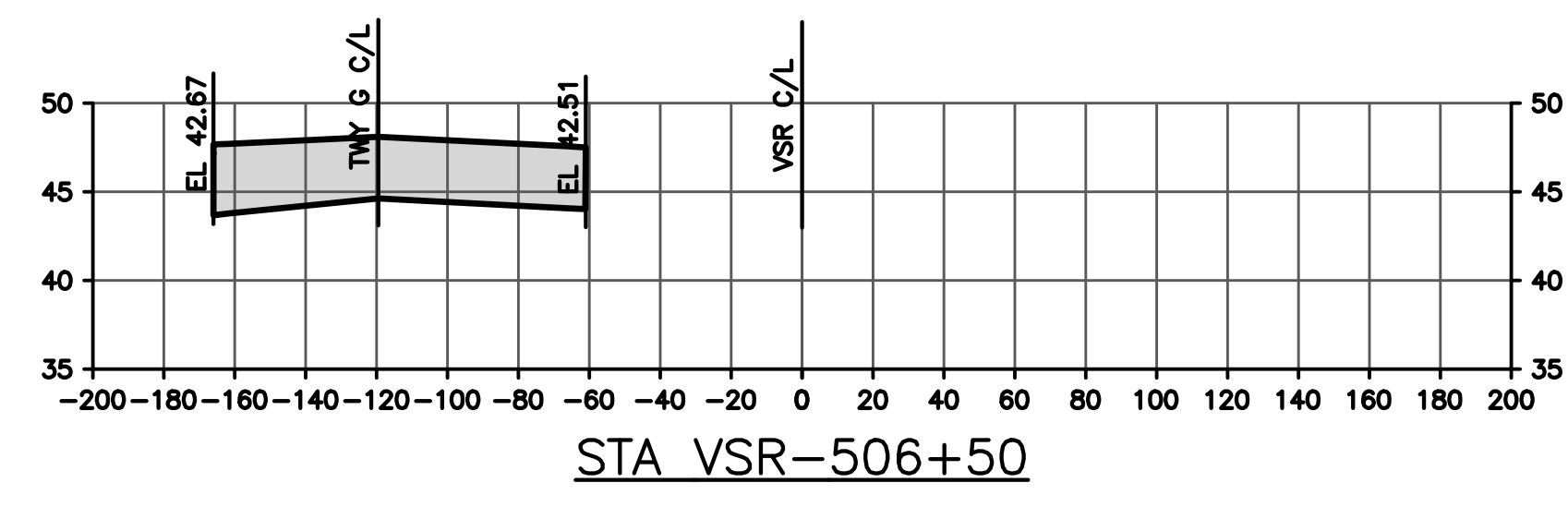
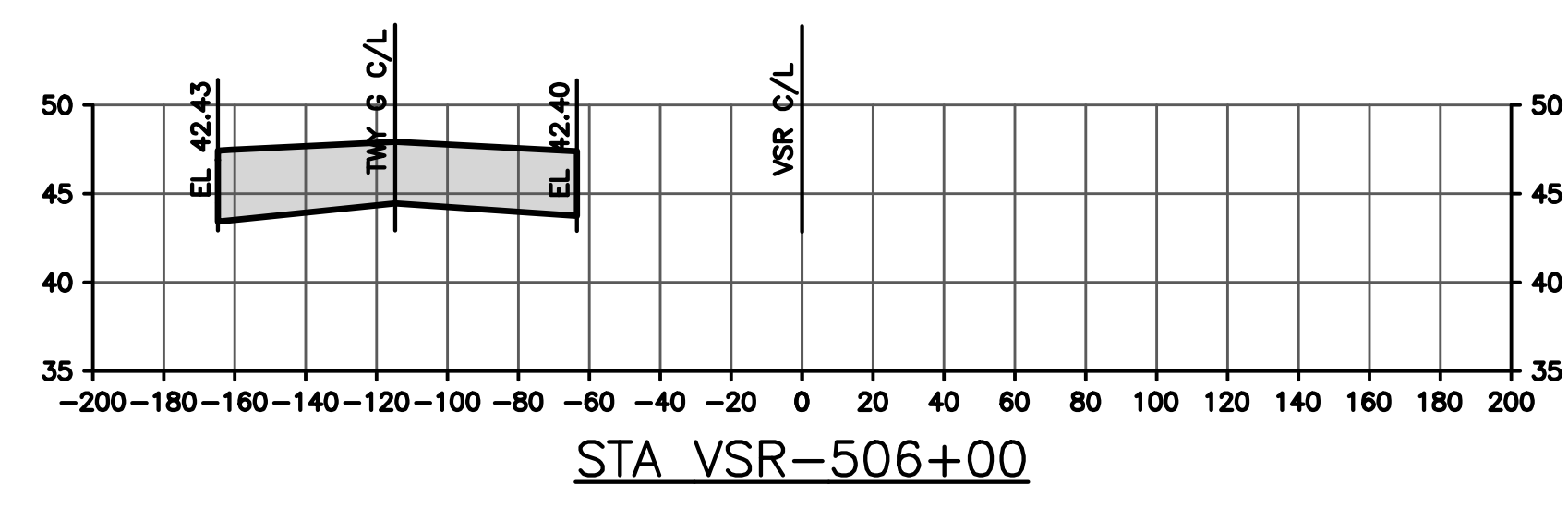
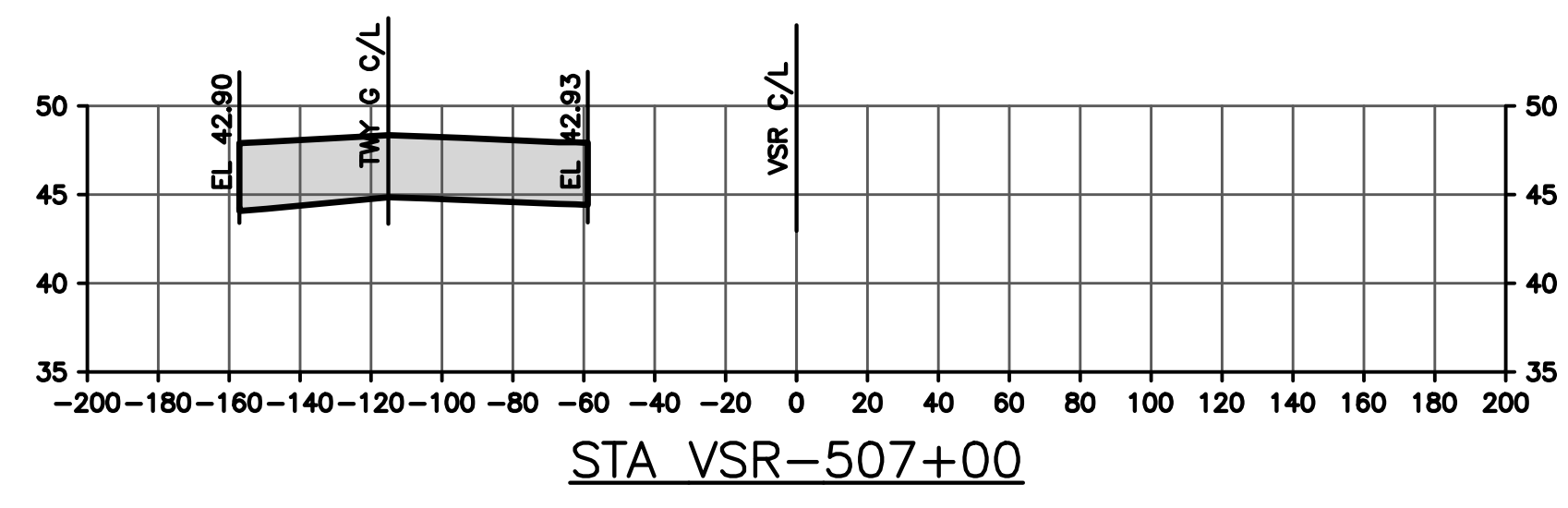
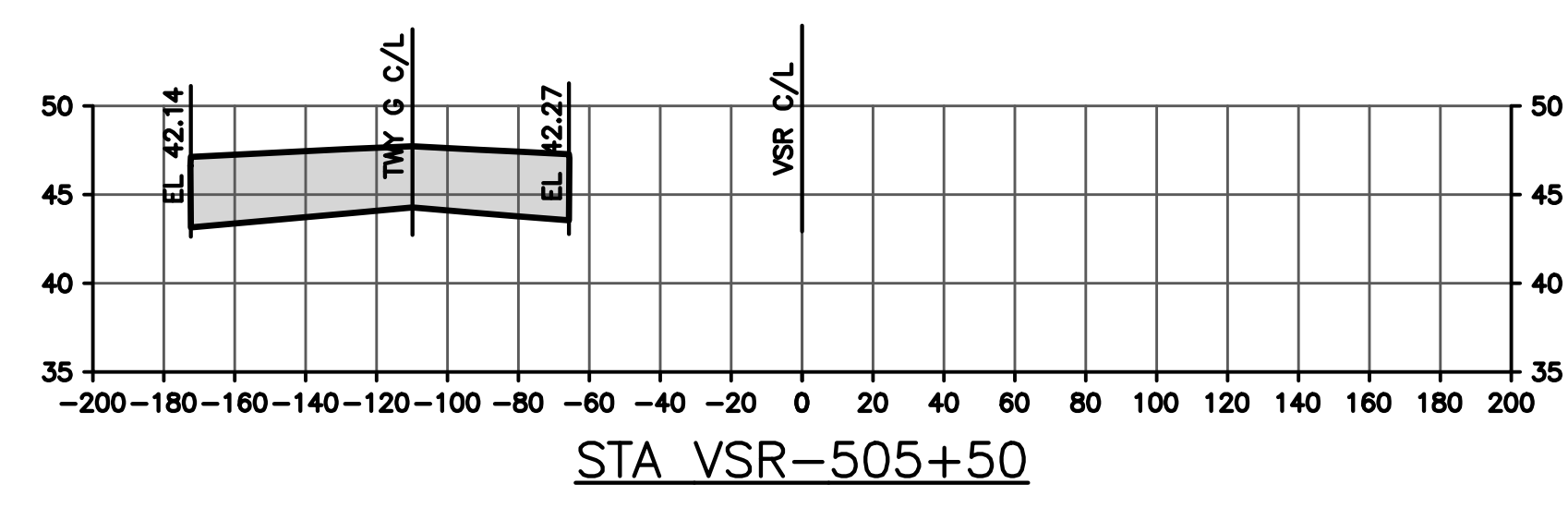
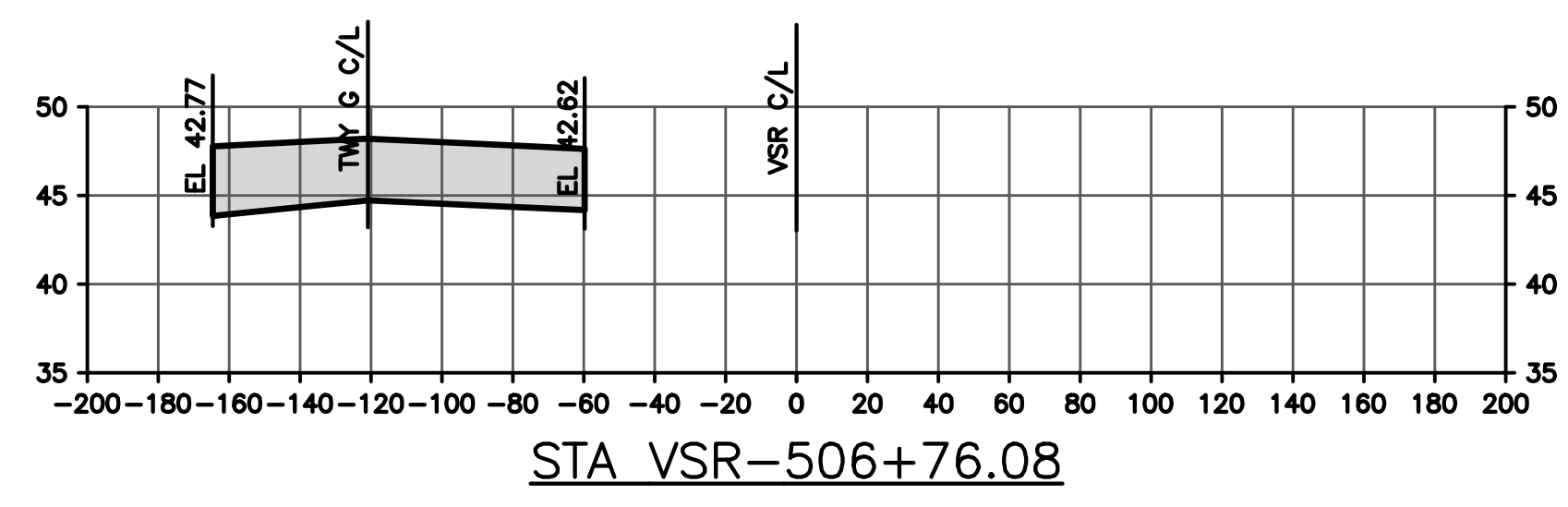
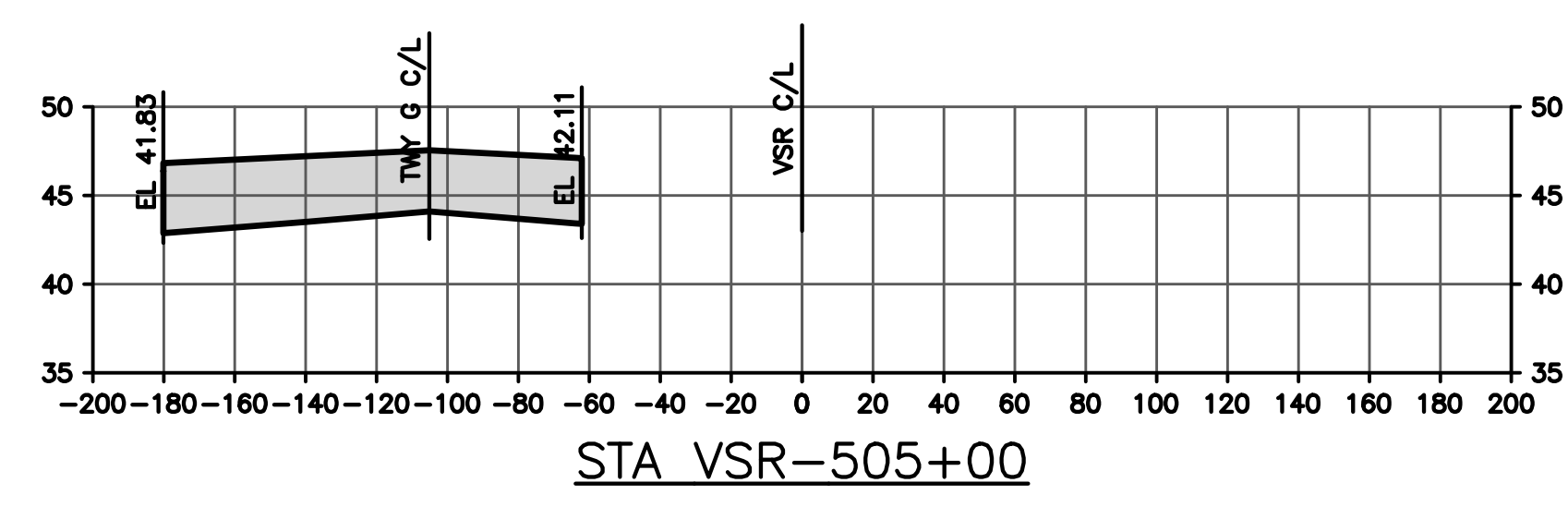
FAA NON-STANDARD TAXIWAYS PROJECT
CROSS SECTIONS - VSR

PROJECT MGR:	S. CHILDERS
DESIGNER:	B. BARTLETT
DRAWN BY:	S. WAZIRI
CHECKED BY:	R. EHTESHAM
SCALE:	AS SHOWN
DATE:	02/24/2023

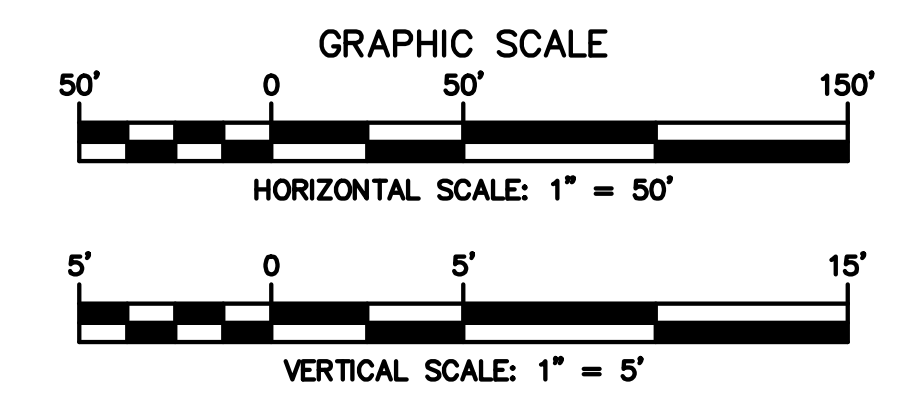


APPROVED BY: _____ DATE: _____
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO:	770
C.I.P. NO:	3-48-0110-044
H.A.S. NO:	N/A
SHEET NO:	XS372



- LEGEND:**
- PROPOSED GRADE
 - EXISTING GRADE
 - PROPOSED PAVEMENT SECTION OUTLINE





- NOTES:
- COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE, NAD 83 (2011), EPOCH 2010.00. AIRPORT SACS MONUMENT "HOBBY" (ACS AW 8522) WAS HELD FOR PROJECT CONTROL. HORIZONTAL CONTROL SURVEY WAS PERFORMED USING GPS AND THE GEOID 12A MODEL. HOBBY GRID COORDINATES: N=13,798,754.41; E=3,151,530.86. UNIT OF MEASURE = U.S. SURVEY FOOT.
 - ALL COORDINATES SHOWN HEREON HAVE BEEN SCALED UP TO SURFACE VALUES USING A SURFACE ADJUSTMENT FACTOR OF 1.00013. TO CONVERT TO GRID COORDINATES USE THE FOLLOWING FORMULA: SURFACE / 1.00013 = GRID.
 - ALL ELEVATIONS ARE REFERENCED TO NAVD 88. AIRPORT SACS MONUMENT "HOBBY" WAS HELD FOR PROJECT CONTROL. VERTICAL CONTROL SURVEY WAS PERFORMED USING DIGITAL LEVELING AND CLOSED LEVEL LOOP PROCEDURES. HOBBY ELEVATION = 12.36 METERS OR 40.55 FEET.

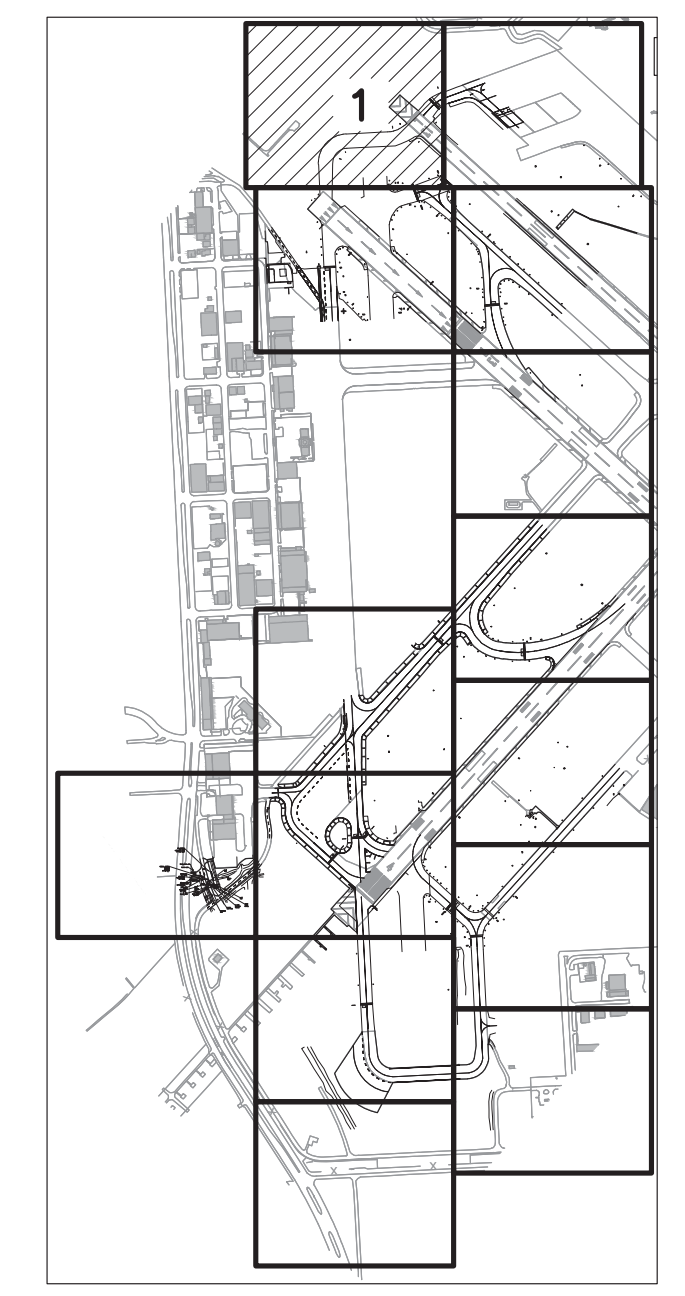
HOUSTON AIRPORT SYSTEM
 WILLIAM P. HOBBY AIRPORT
 HOUSTON TEXAS

Jacobs
 JACOBS ENGINEERING GROUP INC.
 5995 ROGERDALE ROAD
 HOUSTON, TEXAS 77072
 +1-832-351-4000
 WWW.JACOBS.COM
 TEXAS P.E. FIRM F-2966

VERIFY SCALE
 BAR IS ONE INCH ON
 ORIGINAL DRAWING

REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	01/11/2023	SC



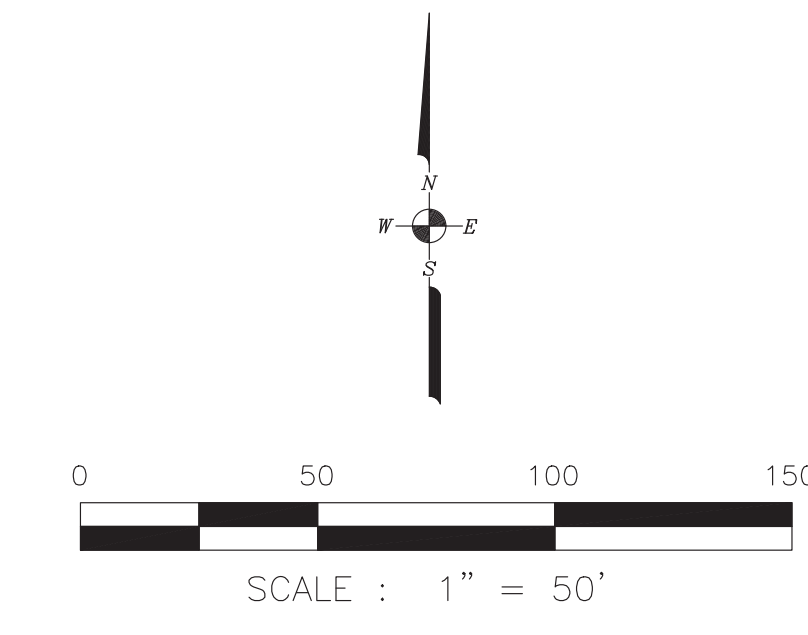
LEGEND FOR HOBBY AIRPORT
 NON STANDARD TAXIWAYS-MILLION AIR TANK FARM
 HOUSTON, TX

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (ULV B)	11	30	0	---
HOUSTON AIRPORT SYSTEMS (ULV B)	12	30	0	---
HOUSTON AIRPORT SYSTEMS (ULV C)	13	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (EAW) UNDERGROUND (ULV B)	14	10	0	---
AIRPORT ELECTRIC (EAW) UNDERGROUND (ULV D)	15	10	0	---
CENTROPOINT (ULV B)	16	10	0	---
CENTROPOINT (ULV C)	17	10	0	---
CENTROPOINT OVERHEAD (ULV C)	18	10	0	---
CITY OF HOUSTON OVERHEAD (ULV C)	19	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (ULV B)	20	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
CON WASTEWATER (ULV D)	21	90	0	---
CON WASTEWATER (ULV D)	22	90	0	---
CON STORM SEWER (ULV D)	23	90	0	---
CON STORM SEWER (ULV D)	24	90	0	---
HAS STORM SEWER (ULV D)	25	90	0	---
HAS STORM SEWER (ULV D)	26	90	0	---
GAS NATURAL/PETROLEUM				
CONTRIBUTOR ENERGY GAS (ULV D)	27	90	0	---
SHELL PIPELINE (ULV D)	28	90	0	---

1. ALL SURVEY LEVEL UTILITIES ARE OBTAINED BY GEOPHYSICAL METHODS.
 2. ALL SURVEY LEVEL UTILITIES ARE DRAWN FROM TOPOGRAPHIC SURVEY.
 3. ALL SURVEY LEVEL UTILITIES ARE DRAWN FROM RECORD RESEARCH.

UTILITY ENGINEER

STATE OF TEXAS
 REGISTERED PROFESSIONAL ENGINEER
 LEO M. DELATORRE
 5113
 2/13/2023



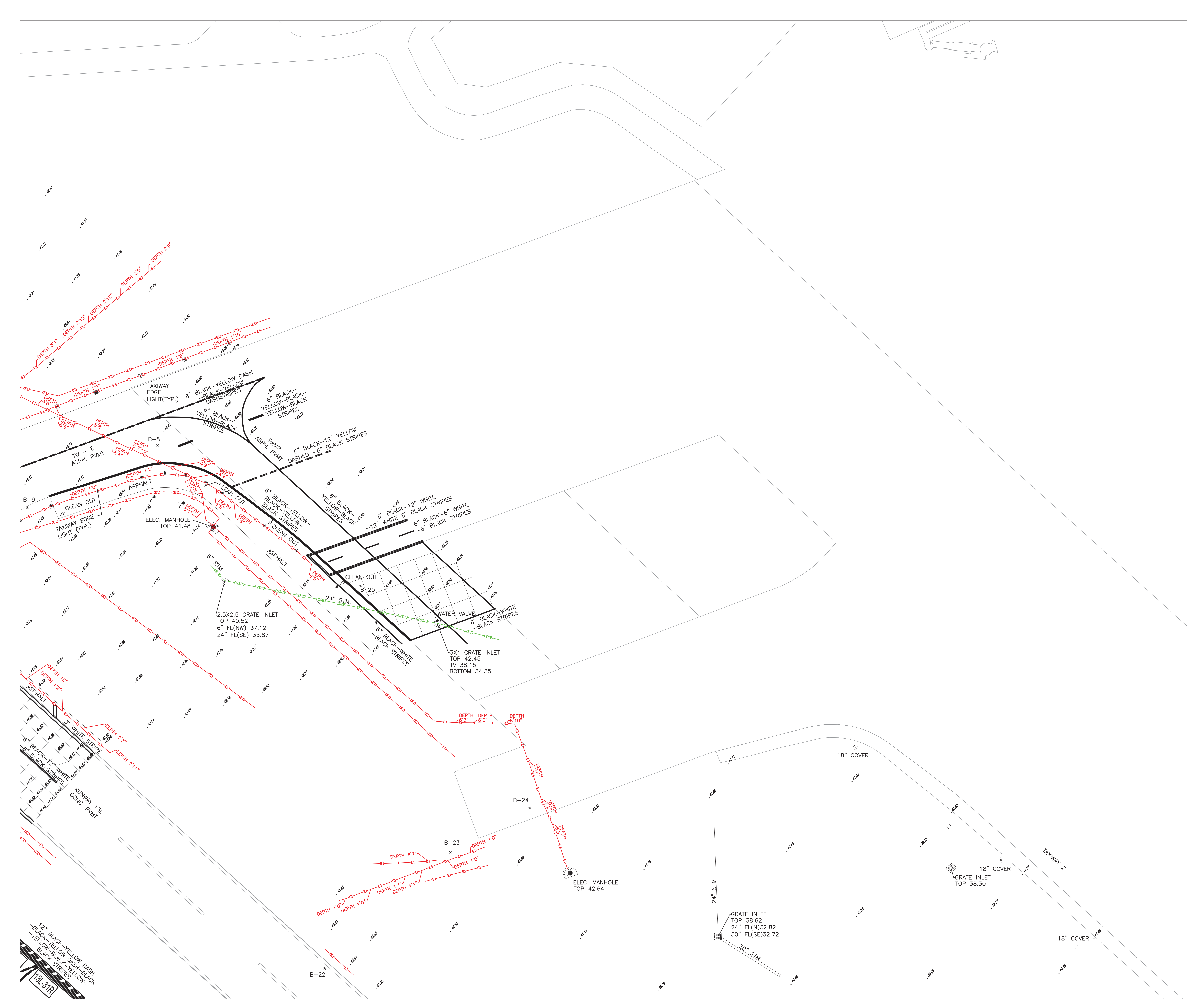
FAA NON-STANDARD TAXIWAYS PROJECT
 TOPOGRAPHIC SURVEY

PROJECT MGR:
 DESIGNER:
 DRAWN BY:
 CHECKED BY:
 SCALE: AS SHOWN
 DATE: 01/27/2023

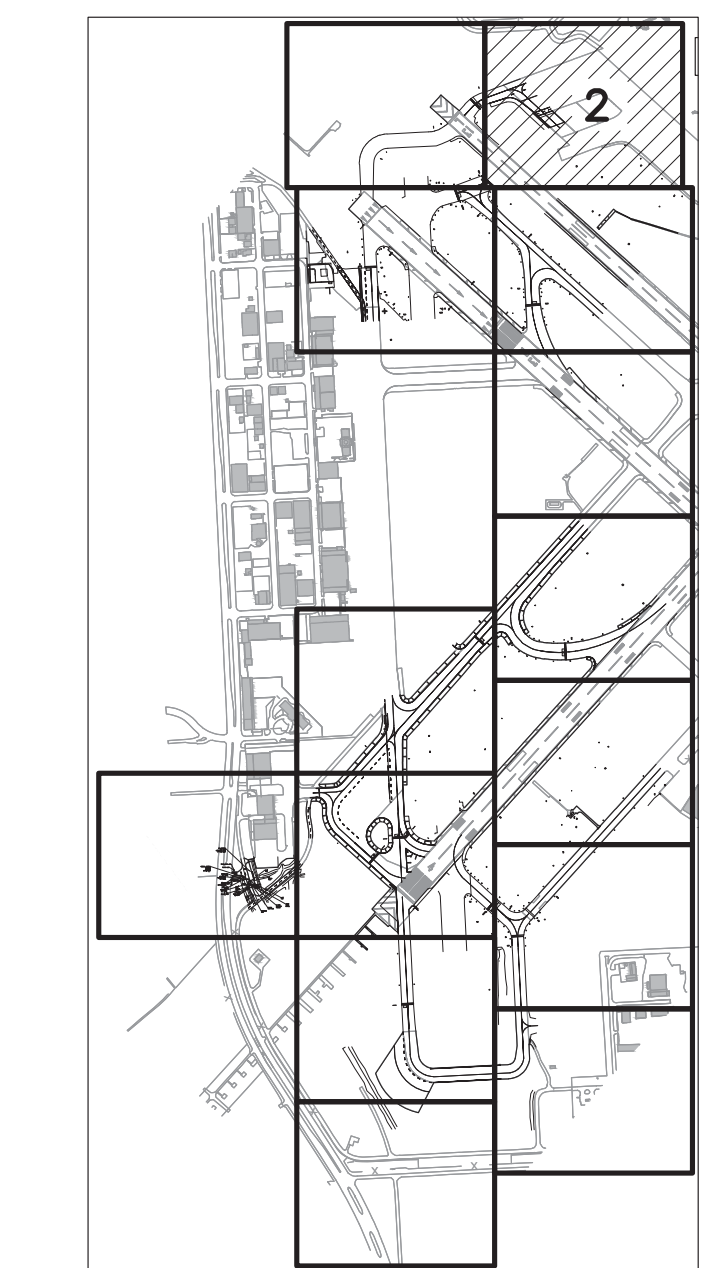
LANDTECH
 2525 North Loop West, Suite 300,
 Houston, Texas 77008
 T: 713-861-7068
 F: 713-861-4131
 TPELS Registration No. 10019100

APPROVED BY: DATE:
 DIRECTOR
 HOUSTON AIRPORT SYSTEM
 PROJECT NO:
 770
 C.I.P. NO:
 3-48-0110-044
 H.A.S. NO:
 N/A
 SHEET NO:

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- NOTES:
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**LEGEND FOR HOBBY AIRPORT
NON STANDARD TAXIWAYS-MILLION AIR TANK FARM
HOUSTON, TX**

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (ULV B)	B1	30	0	---
HOUSTON AIRPORT SYSTEMS (ULV B)	B2	30	0	---
HOUSTON AIRPORT SYSTEMS (ULV D)	(D)	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (TAN UNDERGROUND) (ULV B)	(B)	10	0	---
AIRPORT ELECTRIC (TAN UNDERGROUND) (ULV D)	(D)	10	0	---
CENTROPOINT (ULV B)	(B)	10	0	---
CENTROPOINT (ULV D)	(D)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (ULV B)	(B)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (ULV D)	(D)	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
COR WASTEWATER (ULV D)	(W)	80	0	---
COR WASTEWATER (ULV B)	(B)	80	0	---
COR STORM SEWER (ULV D)	(S)	80	0	---
COR STORM SEWER (ULV B)	(B)	80	0	---
HAZ STORM SEWER (ULV D)	(S)	80	0	---
HAZ STORM SEWER (ULV B)	(B)	80	0	---
GAS NATURAL/GASOLINES				
CENTROPOINT ENERGY GAS (ULV D)	(G)	50	0	---
SHELL PIPELINE (ULV D)	(S)	50	0	---

1. ALL SURVEY LEVEL UTILITIES ARE OBTAINED BY GEOPHYSICAL METHODS.
 2. ALL SURVEY LEVEL UTILITIES ARE DRAWN FROM TOPOGRAPHIC SURVEY.
 3. ALL SURVEY LEVEL UTILITIES ARE DRAWN FROM RECORD RESEARCH.

<p>UTILITY ENGINEER</p>	<p>2/13/2023</p>
-------------------------	------------------

WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS

JACOBS ENGINEERING GROUP INC.
5995 ROGERDALE ROAD
HOUSTON, TEXAS 77072
+1-832-351-4000
WWW.JACOBS.COM
TEXAS P.E. FIRM F-2966

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1"

REVISIONS

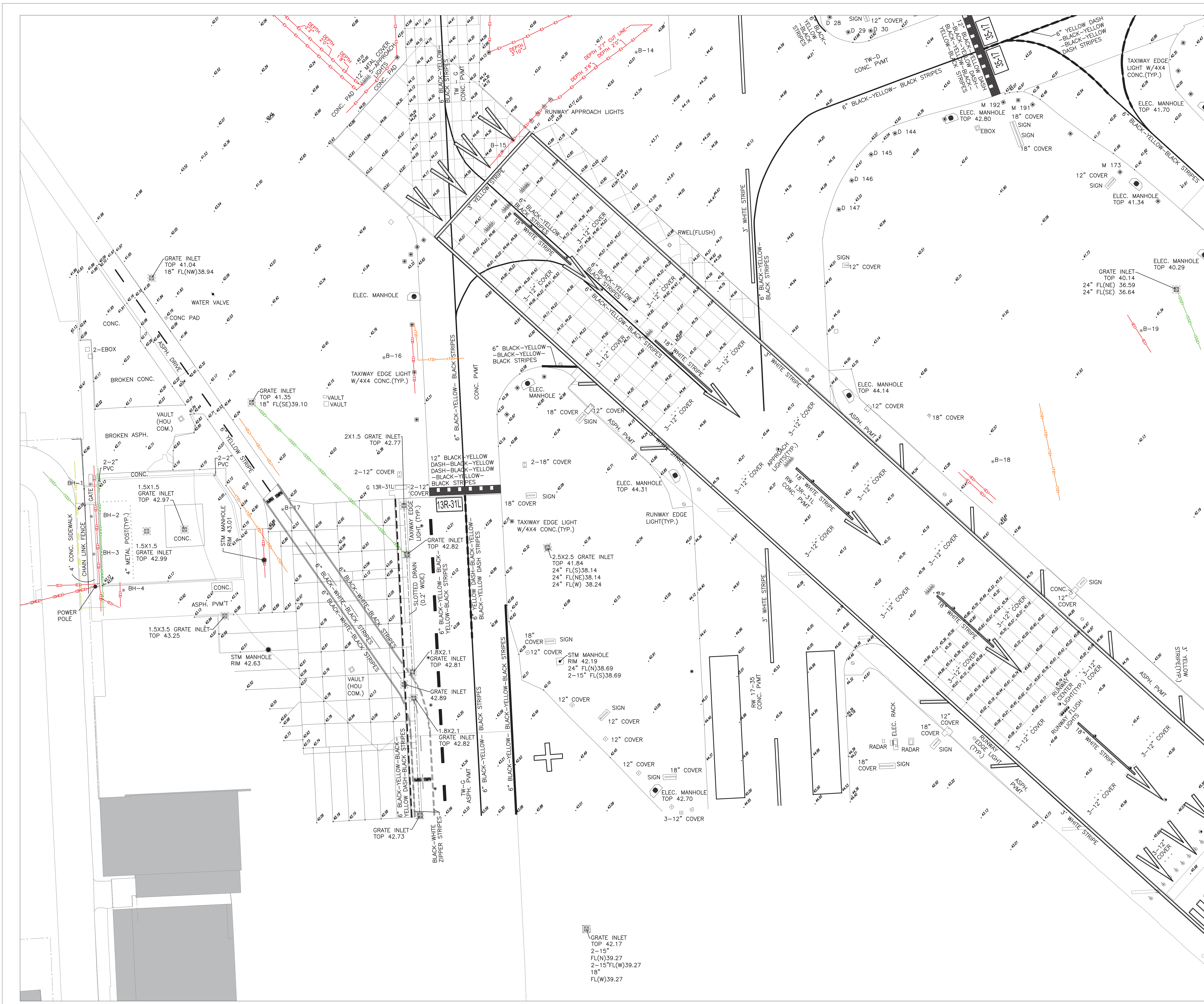
NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	01/11/2023	SC

FAA NON-STANDARD TAXIWAYS PROJECT
 TOPOGRAPHIC SURVEY

PROJECT MGR:
 DESIGNER:
 DRAWN BY:
 CHECKED BY:
 SCALE: AS SHOWN
 DATE: 01/27/2023

2525 North Loop West, Suite 300,
Houston, Texas 77008
T: 713-861-7068
F: 713-861-4131
TPELS Registration No. 10019100

APPROVED BY: DATE:
 DIRECTOR
 HOUSTON AIRPORT SYSTEM
 PROJECT NO: 770
 C.I.P. NO: 3-48-0110-044
 H.A.S. NO: N/A
 SHEET NO:



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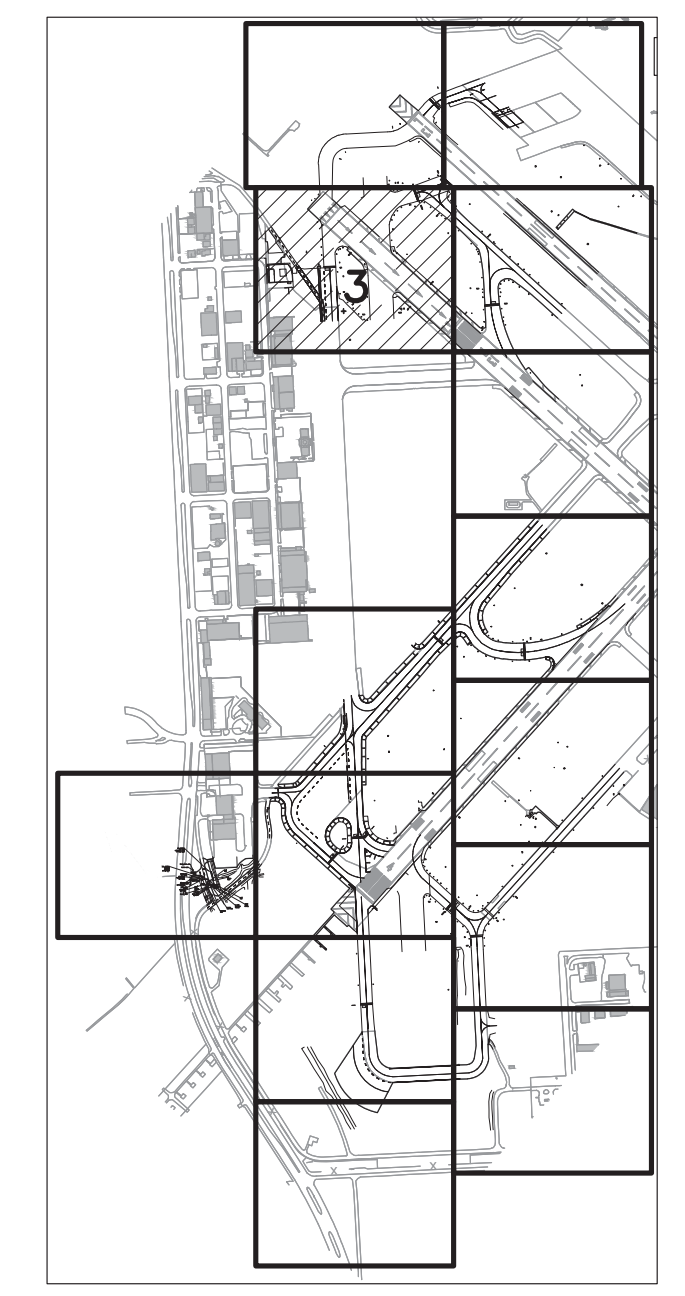
HOUSTON AIRPORT SYSTEM
 WILLIAM P. HOBBY AIRPORT
 HOUSTON TEXAS

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 HOUSTON, TEXAS 77072
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REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	01/11/2023	SC



**FAA NON-STANDARD TAXIWAYS PROJECT
 TOPOGRAPHIC SURVEY**

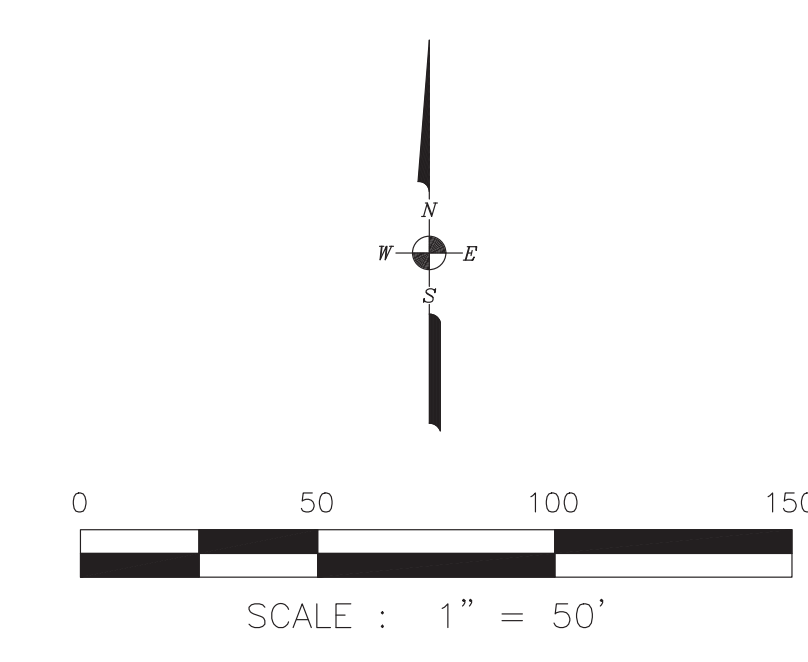
LEGEND FOR HOBBY AIRPORT
 NON STANDARD TAXIWAYS-MILLION AIR TANK FARM
 HOUSTON, TX

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (ULV. B)	31	32	0	---
HOUSTON AIRPORT SYSTEMS (ULV. B)	32	30	0	---
HOUSTON AIRPORT SYSTEMS (ULV. D)	33	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (ULV. UNDERGROUND (ULV. B))	01	10	0	---
AIRPORT ELECTRIC (ULV. UNDERGROUND (ULV. D))	02	10	0	---
CENTROPOINT (ULV. B)	03	10	0	---
CENTROPOINT (ULV. D)	04	10	0	---
ELIUM ENERGY (ULV. B)	05	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (ULV. B)	06	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (ULV. D)	07	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
COM WASTEWATER (ULV. D)	08	90	0	---
COM WASTEWATER (ULV. B)	09	90	0	---
COM STORM SEWER (ULV. D)	10	90	0	---
COM STORM SEWER (ULV. B)	11	90	0	---
HAS STORM SEWER (ULV. D)	12	90	0	---
HAS STORM SEWER (ULV. B)	13	90	0	---
GAS NATURAL/PETROLEUM				
CONTINUOUS ENERGY GAS (ULV. D)	01	90	0	---
SHELL PIPELINE (ULV. D)	02	90	0	---

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 2. ALL SURVEY LEVEL UTILITIES ARE DRAWN FROM TOPOGRAPHIC SURVEY.
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UTILITY ENGINEER

STATE OF TEXAS
 REGISTERED PROFESSIONAL ENGINEER
 LEO M. DELATORRE
 5113
 2/13/2023



PROJECT MGR:
 DESIGNER:
 DRAWN BY:
 CHECKED BY:
 SCALE: AS SHOWN
 DATE: 01/27/2023

LANDTECH
 2525 North Loop West, Suite 300,
 Houston, Texas 77008
 T: 713-861-7068
 F: 713-861-4131
 TPELS Registration No. 10019100

APPROVED BY: _____ DATE: _____

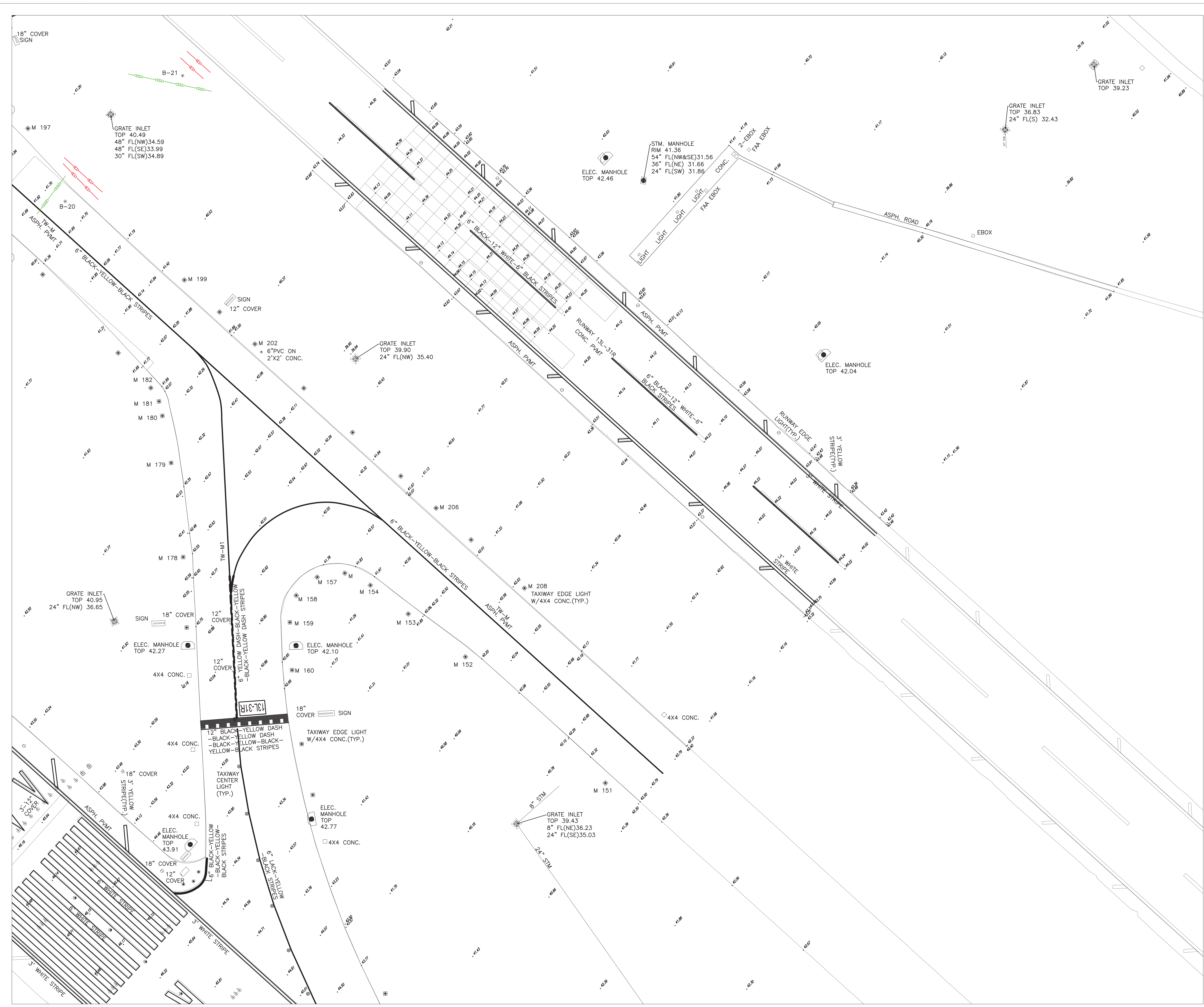
DIRECTOR
 HOUSTON AIRPORT SYSTEM

PROJECT NO:
 770

C.I.P. NO:
 3-48-0110-044

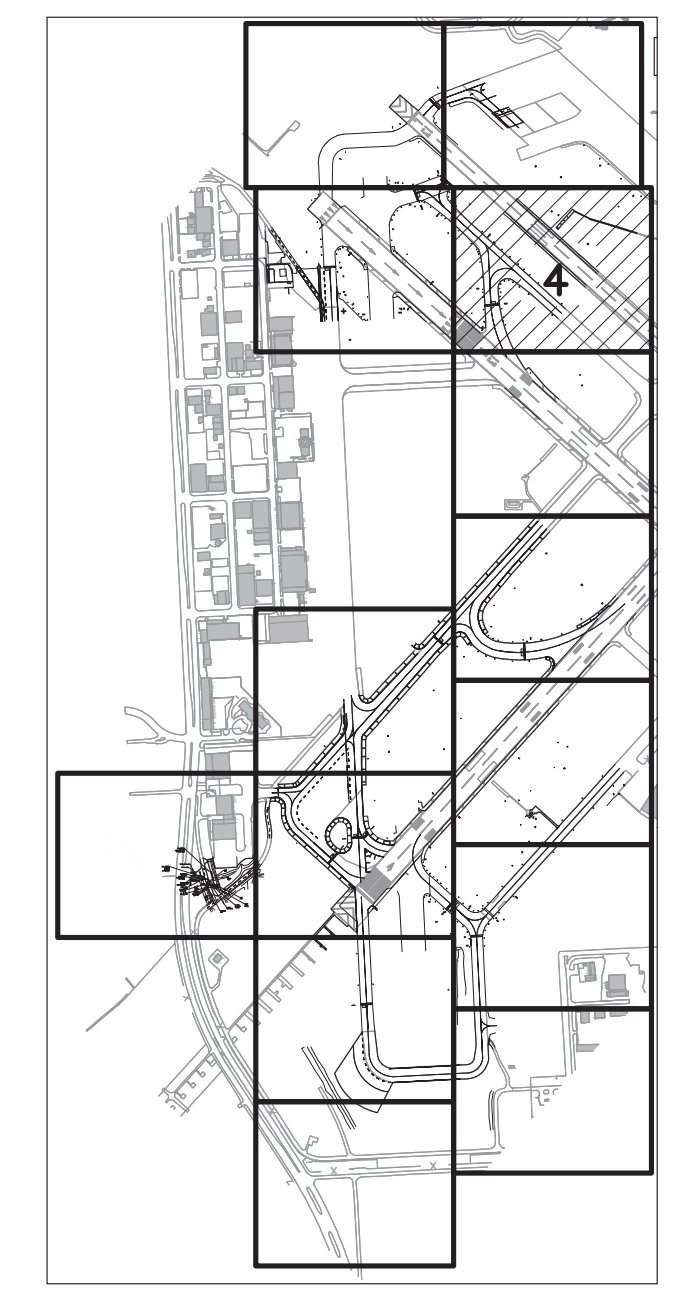
H.A.S. NO:
 N/A

SHEET NO:



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NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	01/11/2023	SC



LEGEND FOR HOBBY AIRPORT
NON STANDARD TAXIWAYS—MILLION AIR TANK FARM
HOUSTON, TX

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (V.L.B.)	(1)	RED	3	--- ---
HOUSTON AIRPORT SYSTEM (V.L.B.)	(10)	RED	3	--- ---
HOUSTON AIRPORT SYSTEM (V.L.D.)	(10)	RED	3	--- ---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (EAW) UNDERGROUND (V.L.B.)	(E)	RED	10	--- ---
AIRPORT ELECTRIC (EAW) UNDERGROUND (V.L.D.)	(E)	RED	10	--- ---
CENTREPOINT (V.L.B.)	(C)	RED	10	--- ---
CENTREPOINT (V.L.D.)	(C)	RED	10	--- ---
CLINTONVILLE OVERHEAD (V.L.B.)	(O)	RED	10	--- ---
CLINTONVILLE OVERHEAD (V.L.D.)	(O)	RED	10	--- ---
CITY OF HOUSTON TRAFFIC SIGNAL (V.L.B.)	(T)	RED	10	--- ---
CITY OF HOUSTON TRAFFIC SIGNAL (V.L.D.)	(T)	RED	10	--- ---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
COW WATERMAIN (V.L.D.)	(W)	GREEN	8	--- ---
COW WATERLINE (V.L.B.)	(W)	GREEN	8	--- ---
COW STORM SEWER (V.L.D.)	(S)	GREEN	8	--- ---
COW STORM SEWER (V.L.B.)	(S)	GREEN	8	--- ---
HAS STORM SEWER (V.L.D.)	(S)	GREEN	8	--- ---
HAS STORM SEWER (V.L.B.)	(S)	GREEN	8	--- ---
GAS NATURAL/GASOLINES				
CENTREPOINT ENERGY GAS (V.L.D.)	(G)	YELLOW	8	--- ---
SHELL PIPELINE (V.L.D.)	(S)	YELLOW	8	--- ---

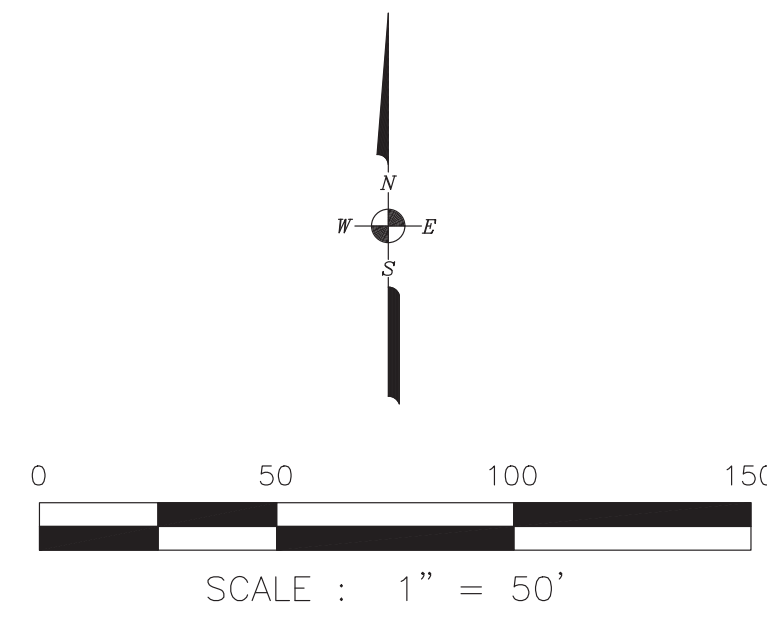
1. ALL SURFACE UTILITIES ARE OBTAINED BY GEOPHYSICAL METHODS.
2. ALL SURFACE UTILITIES ARE DRAWN FROM TOPOGRAPHIC SURVEY.
3. ALL SURFACE UTILITIES ARE DRAWN FROM RECORD RESEARCH.

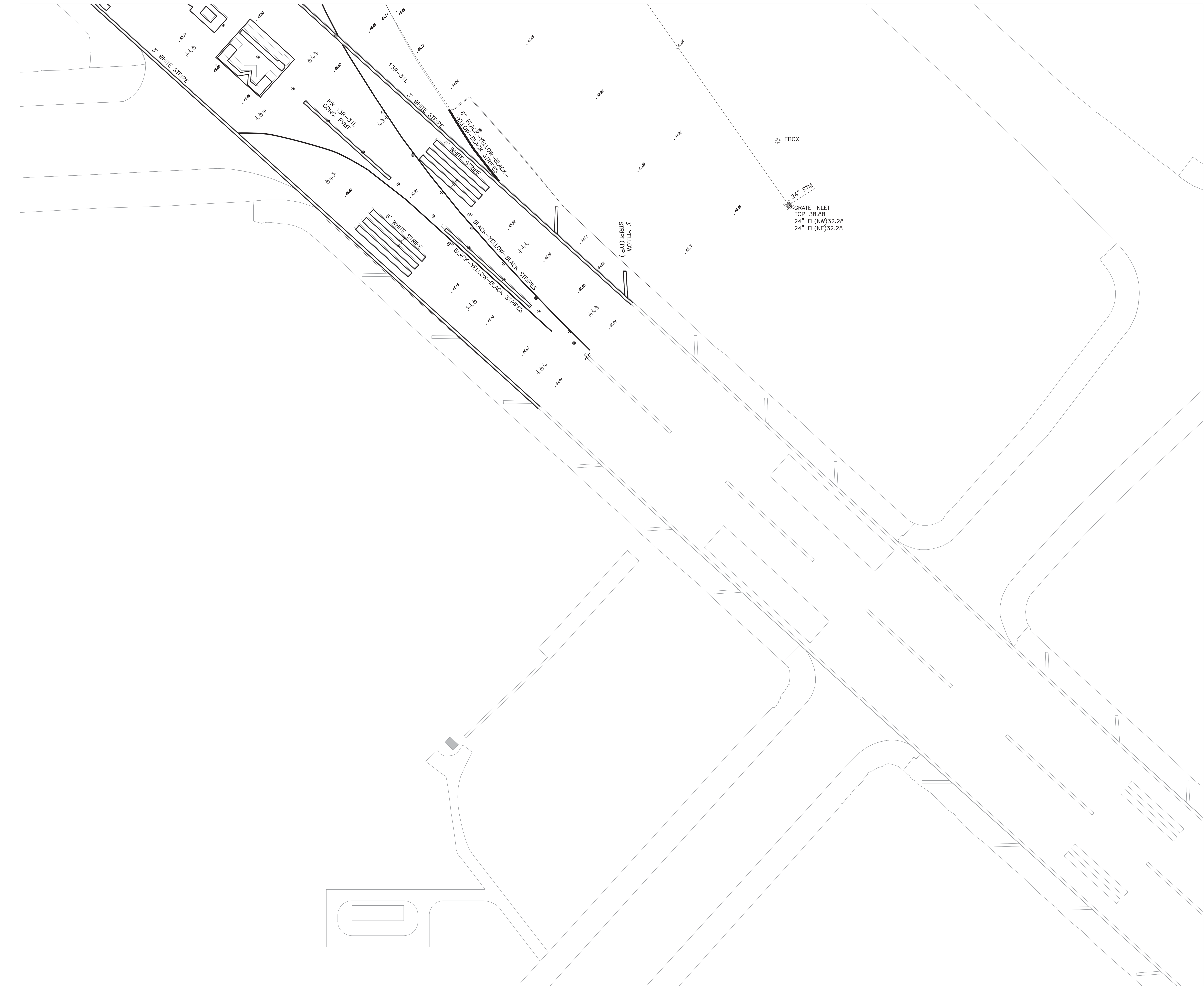
FAA NON-STANDARD TAXIWAYS PROJECT
TOPOGRAPHIC SURVEY

PROJECT MGR: _____
DESIGNER: _____
DRAWN BY: _____
CHECKED BY: _____
SCALE: AS SHOWN
DATE: 01/27/2023

LANDTECH
2525 North Loop West, Suite 300,
Houston, Texas 77008
T: 713-861-7068
F: 713-861-4131
TPELS Registration No. 10019100

APPROVED BY: _____ DATE: _____
DIRECTOR
HOUSTON AIRPORT SYSTEM
PROJECT NO: _____
770
C.I.P. NO: _____
3-48-0110-044
H.A.S. NO: _____
N/A
SHEET NO: _____





FILENAME: HOU_NONSTANDARD TAXIWAYS TOPO SHEETS.DWG PLOT DATE: 2023/02/13 PLOT TIME: 9:12:12 AM

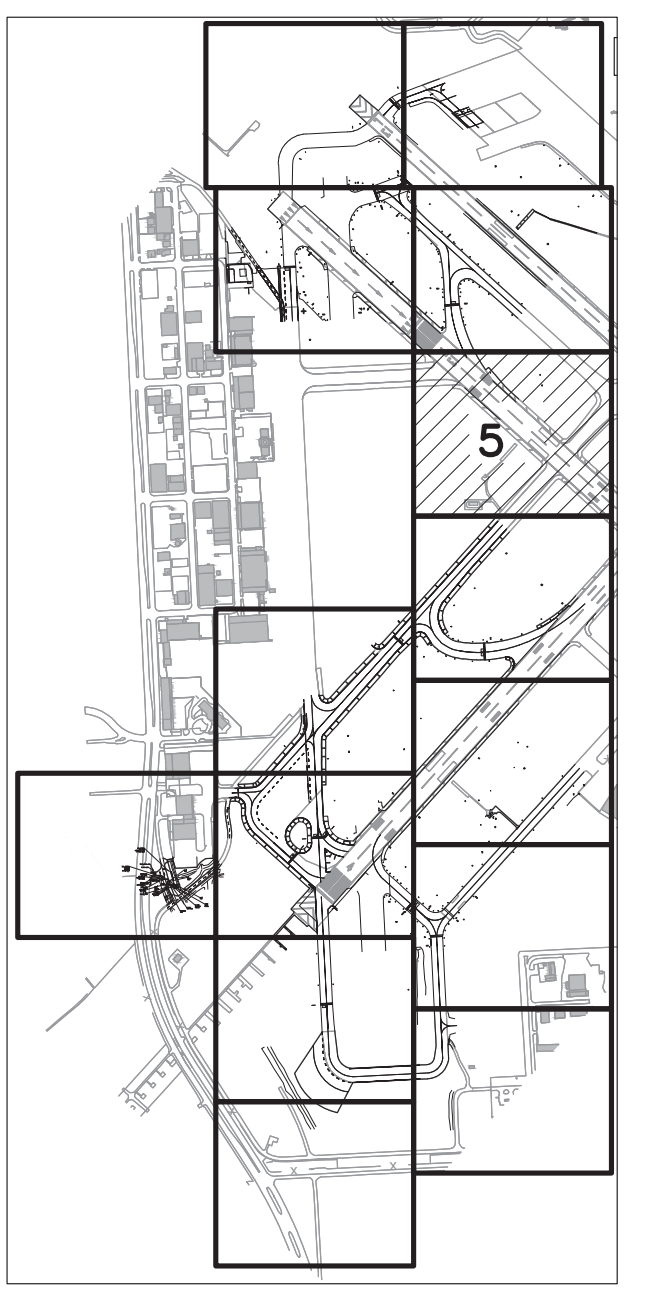
NOTES:
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HOUSTON AIRPORT SYSTEM
 WILLIAM P. HOBBY AIRPORT
 HOUSTON TEXAS

Jacobs
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 5995 ROGERDALE ROAD
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 +1-832-351-4000
 WWW.JACOBS.COM
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NO.	DESCRIPTION	DATE	BY
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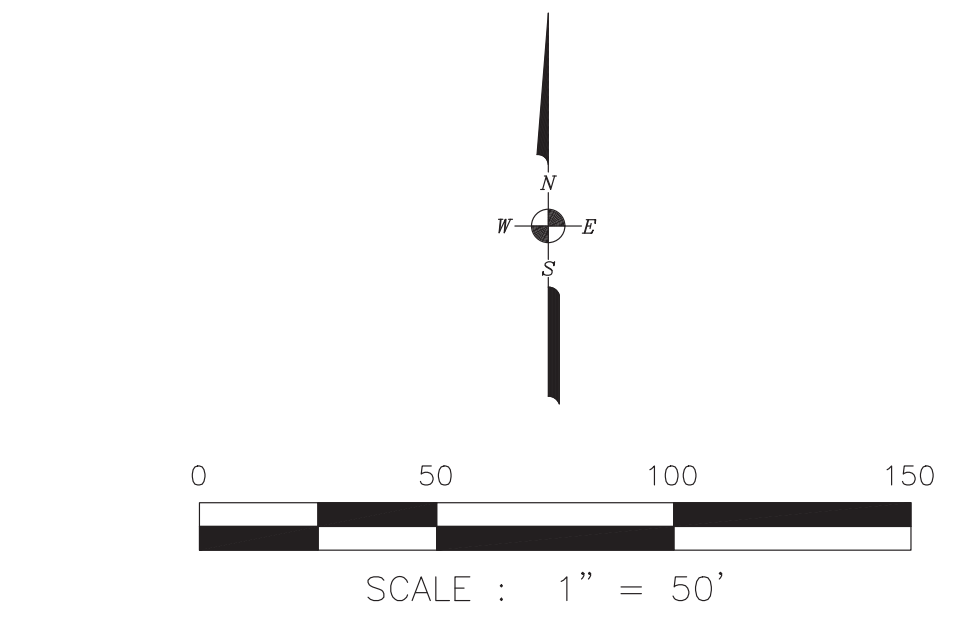
**FAA NON-STANDARD TAXIWAYS PROJECT
 TOPOGRAPHIC SURVEY**

LEGEND FOR HOBBY AIRPORT
 NON STANDARDS TAXIWAYS—MILLION AIR TANK FARM
 HOUSTON, TX

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (LVL B)	31	30	0	---
HOUSTON AIRPORT SYSTEMS (LVL B)	32	30	0	---
HOUSTON AIRPORT SYSTEMS (LVL D)	33	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (FAA UNDERGROUND (LVL B))	(E1)	10	0	---
AIRPORT ELECTRIC (FAA UNDERGROUND (LVL D))	(E2)	10	0	---
CENTROPOINT (LVL B)	(E3)	10	0	---
CENTROPOINT (LVL D)	(E4)	10	0	---
CENTROPOINT OVERHEAD (LVL B)	(E5)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (LVL B)	(E6)	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
CON WATER MAIN (LVL D)	(W1)	80	0	---
CON WATER MAIN (LVL B)	(W2)	80	0	---
CON STORM SEWER (LVL D)	(S1)	80	0	---
CON STORM SEWER (LVL B)	(S2)	80	0	---
OTHER UTILITIES/PIPELINES				
CENTROPOINT ENERGY GAS (LVL B)	(G1)	60	0	---
SHELL PIPELINE (LVL D)	(S3)	60	0	---

1. ALL SUE LEVEL B UTILITIES ARE OBTAINED BY GEOPHYSICAL METHODS.
 2. ALL SUE LEVEL C UTILITIES ARE DRAW FROM TOPOGRAPHIC SURVEY.
 3. ALL SUE LEVEL D UTILITIES ARE DRAW FROM RECORD RESEARCH.

<p>UTILTY ENGINEER 2/13/2023</p>	<p>UTILTY ENGINEER 2/13/2023</p>
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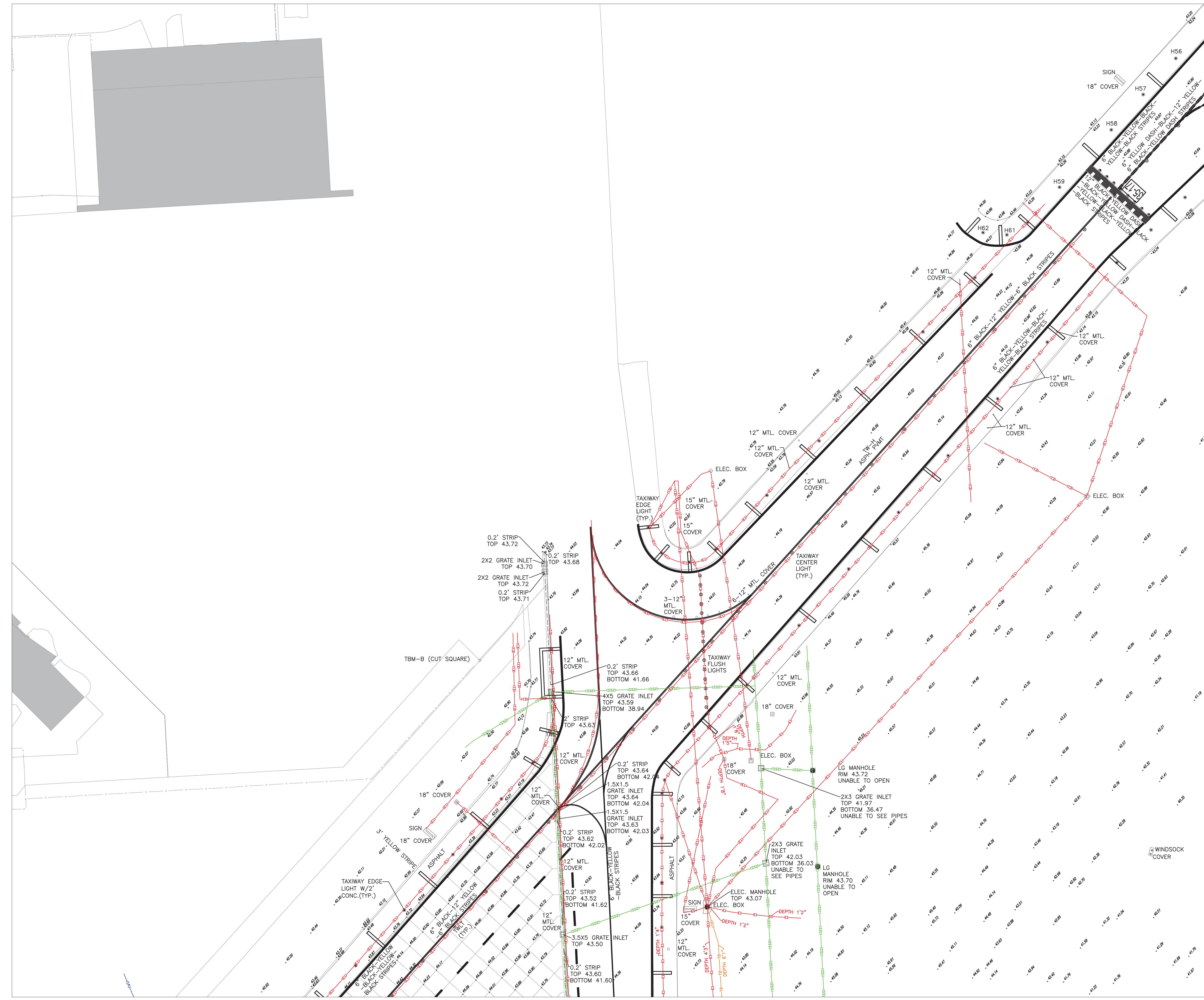
PROJECT MGR: _____
 DESIGNER: _____
 DRAWN BY: _____
 CHECKED BY: _____
 SCALE: AS SHOWN
 DATE: 01/27/2023

LANDTECH
 2525 North Loop West, Suite 300
 Houston, Texas 77008
 T: 713-861-7068
 F: 713-861-4131
 TPELS Registration No. 10019100

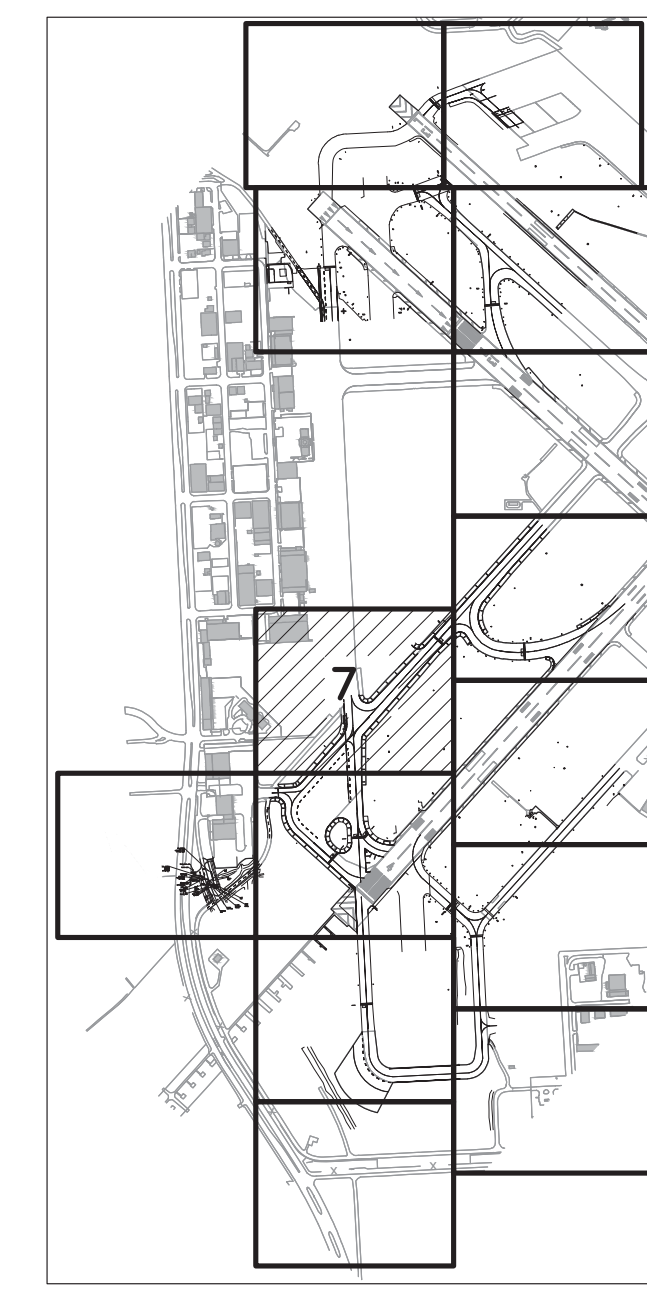
APPROVED BY: _____ DATE: _____
 DIRECTOR
 HOUSTON AIRPORT SYSTEM

PROJECT NO: _____
 770
 C.I.P. NO: _____
 3-48-0110-044
 H.A.S. NO: _____
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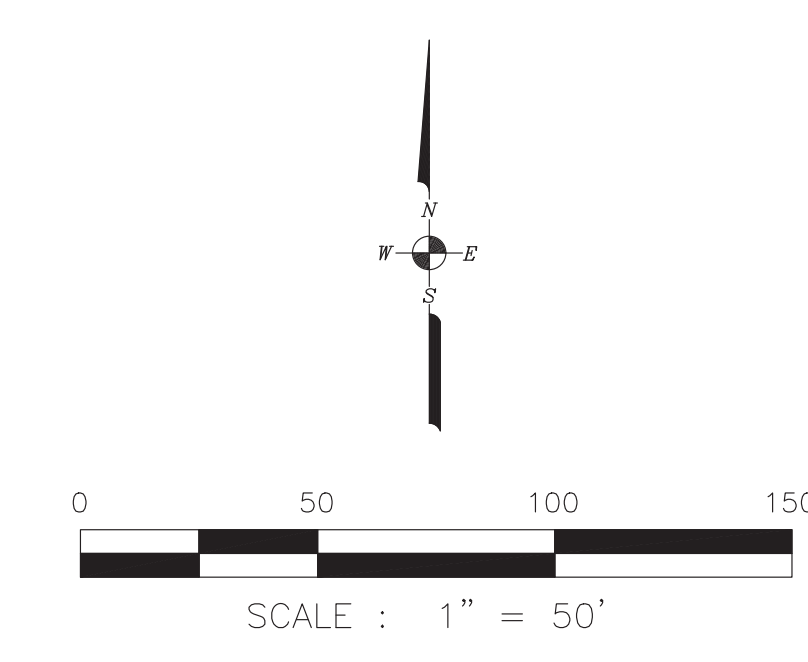
LEGEND FOR HOBBY AIRPORT
NON STANDARD TAXIWAYS-MILLION AIR TANK FARM
HOUSTON, TX

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (ULV B)	(B)	30	0	---
HOUSTON AIRPORT SYSTEMS (ULV B)	(B)	30	0	---
HOUSTON AIRPORT SYSTEMS (ULV D)	(D)	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (EAW) UNDERGROUND (ULV B)	(B)	10	0	---
AIRPORT ELECTRIC (EAW) UNDERGROUND (ULV D)	(D)	10	0	---
CENTROPOINT (ULV B)	(B)	10	0	---
CENTROPOINT (ULV D)	(D)	10	0	---
ELITECH ENERGY (ULV B)	(B)	10	0	---
ELITECH ENERGY (ULV D)	(D)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (ULV B)	(B)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (ULV D)	(D)	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
COM WATERMAIN (ULV D)	(W)	90	0	---
COM WATERMAIN (ULV B)	(B)	90	0	---
COM STORM SEWER (ULV D)	(S)	90	0	---
COM STORM SEWER (ULV B)	(B)	90	0	---
HAS STORM SEWER (ULV D)	(S)	90	0	---
HAS STORM SEWER (ULV B)	(B)	90	0	---
GAS NATURAL/GASPIPETES				
CENTROPOINT ENERGY GAS (ULV D)	(G)	90	0	---
SHELL PIPELINE (ULV D)	(S)	90	0	---

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UTILITY ENGINEER

2/13/2023



HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS

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BAR IS ONE INCH ON
ORIGINAL DRAWING

REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	01/11/2023	SC

FAA NON-STANDARD TAXIWAYS PROJECT
 TOPOGRAPHIC SURVEY

PROJECT MGR:
DESIGNER:
DRAWN BY:
CHECKED BY:
SCALE: AS SHOWN
DATE: 01/27/2023

LANDTECH
2525 North Loop West, Suite 300,
Houston, Texas 77008
T: 713-861-7068
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TPELS Registration No. 10019100

APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

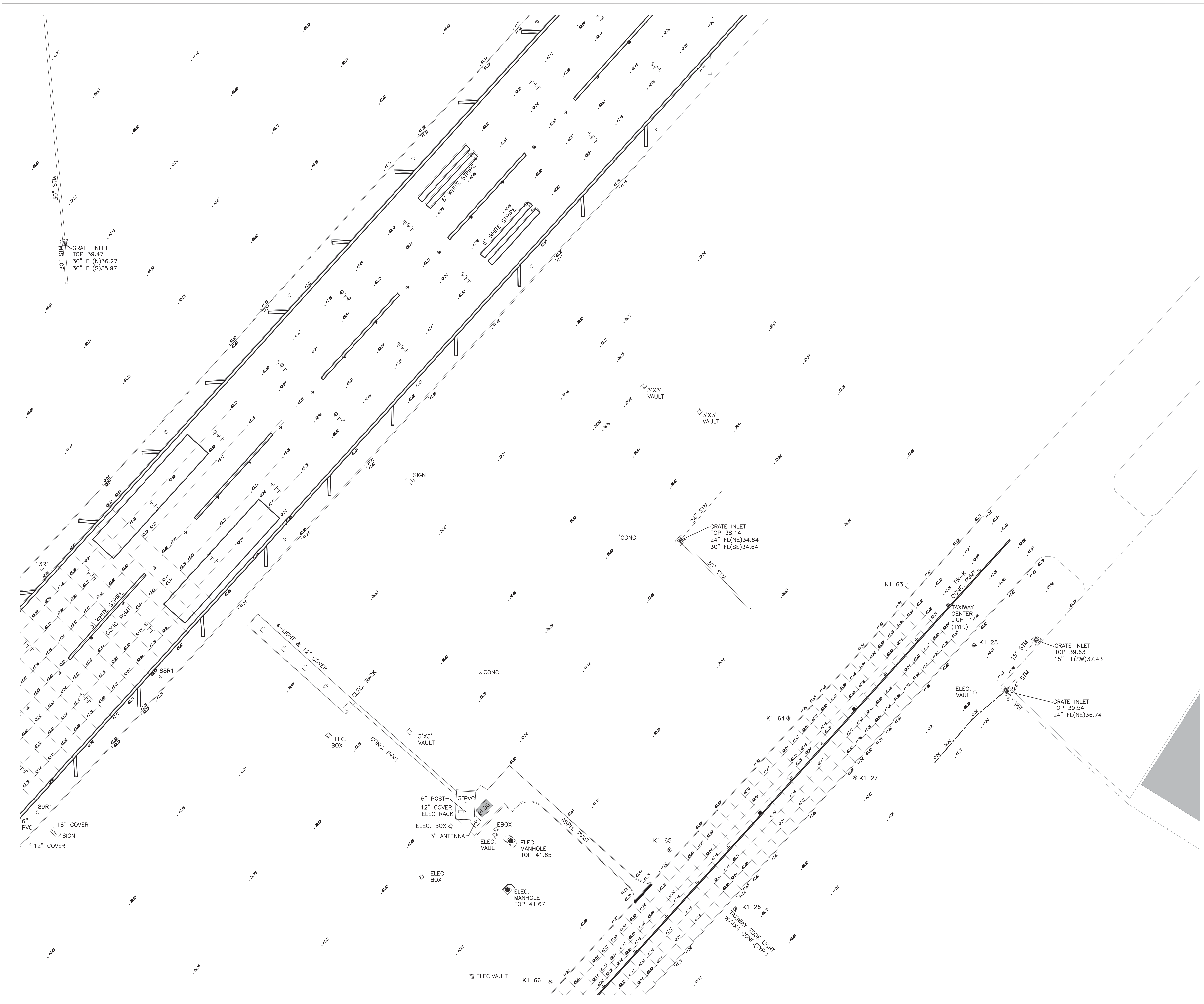
PROJECT NO: _____

C.I.P. NO: _____

H.A.S. NO: _____

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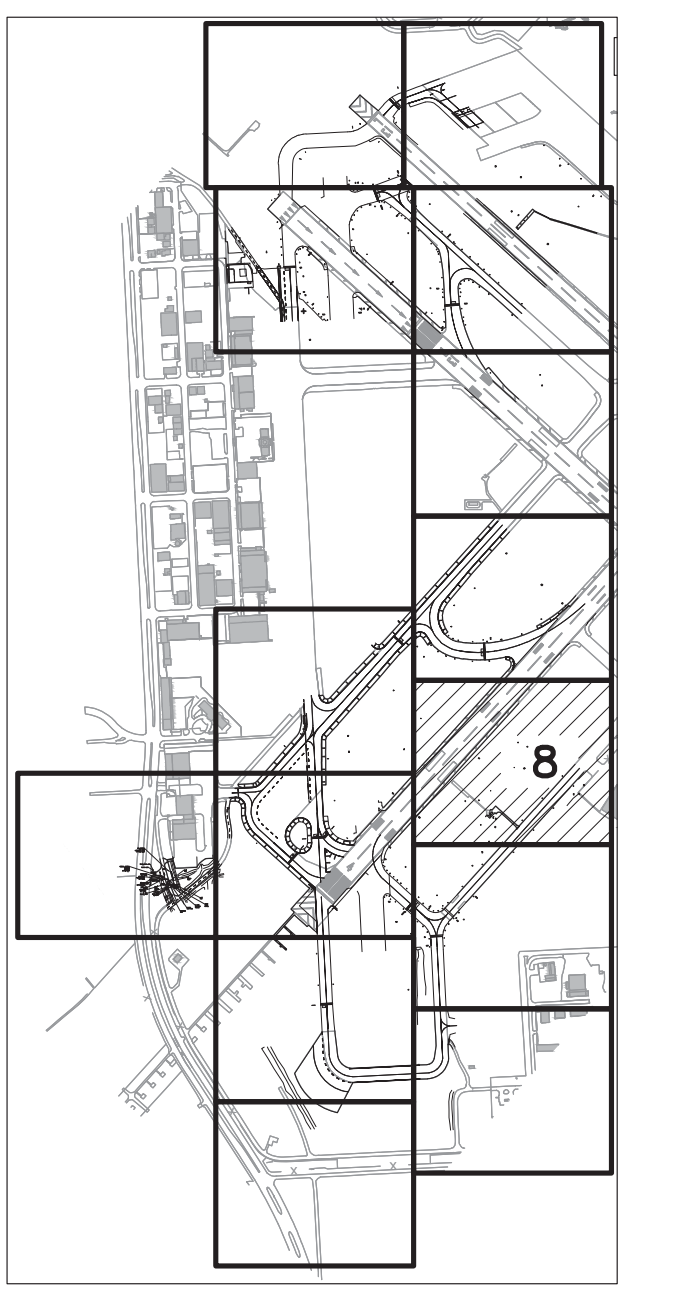
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REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	01/11/2023	SC

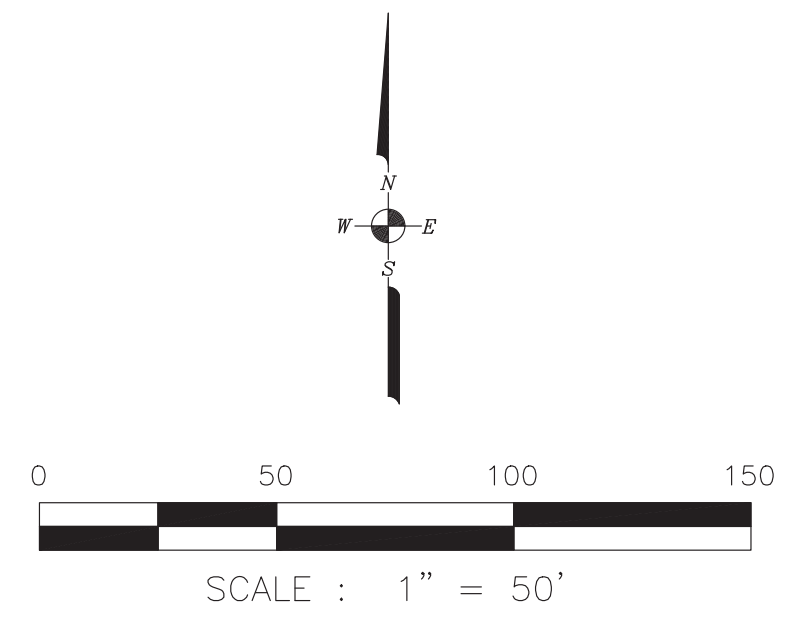
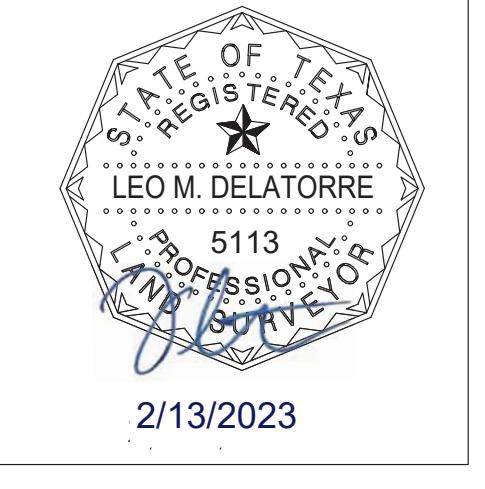
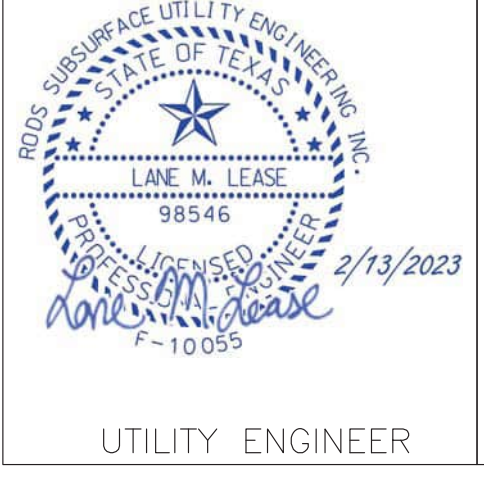
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING.



LEGEND FOR HOBBY AIRPORT NON STANDARD TAXIWAYS-MILLION AIR TANK FARM HOUSTON, TX

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (ULV B)	(B)	33	30	— — — — —
HOUSTON AIRPORT SYSTEMS (ULV B)	(B)	33	30	— — — — —
HOUSTON AIRPORT SYSTEMS (ULV D)	(D)	33	30	— — — — —
ELECTRIC ENERGY				
AIRPORT ELECTRIC (TANK UNDERGROUND) (ULV D)	(D)	10	0	— — — — —
AIRPORT ELECTRIC (TANK UNDERGROUND) (ULV D)	(D)	10	0	— — — — —
CENTREFORM (ULV D)	(D)	10	0	— — — — —
CENTREFORM OVERHEAD (ULV C)	(C)	10	0	— — — — —
CITY OF HOUSTON TRAFFIC SIGNAL (ULV B)	(B)	10	0	— — — — —
WATER, SEWER, WASTEWATER & ENVIRONMENTAL				
COR WATER MAIN (ULV D)	(W)	90	0	— — — — —
COR WATER LINE (ULV D)	(W)	90	0	— — — — —
COR STORM SEWER (ULV D)	(S)	90	0	— — — — —
HAS STORM SEWER (ULV D)	(S)	90	0	— — — — —
GIS NATURAL/PIPELINES				
CENTREFORM ENERGY GAS (ULV D)	(G)	50	0	— — — — —
SHELL PIPELINE (ULV D)	(S)	50	0	— — — — —

1. ALL SUE LEVEL B UTILITIES ARE OBTAINED BY GEOPHYSICAL METHODS.
 2. ALL SUE LEVEL C UTILITIES ARE DRAWN FROM TOPOGRAPHIC SURVEY.
 3. ALL SUE LEVEL D UTILITIES ARE DRAWN FROM RECORD RESEARCH.



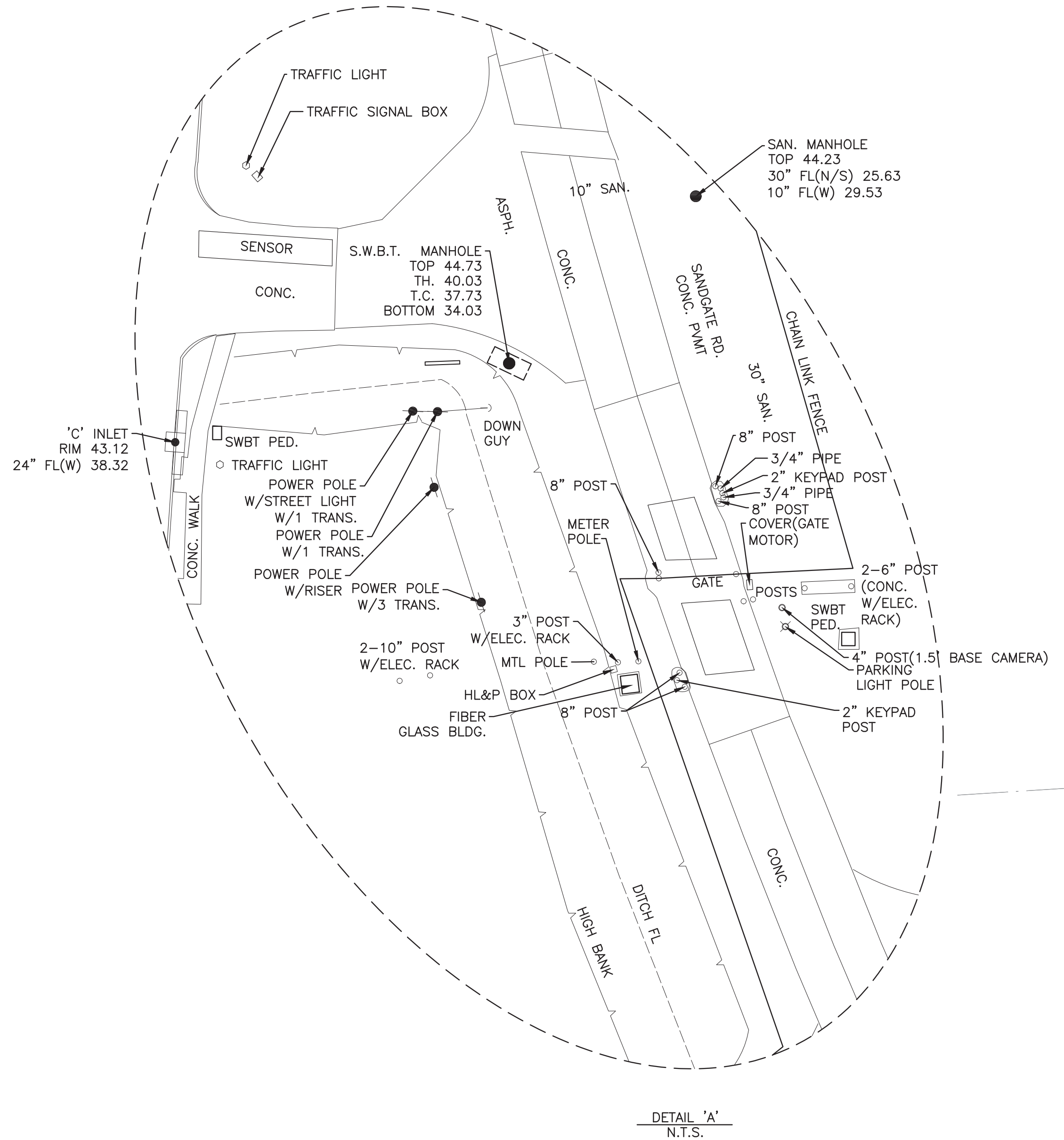
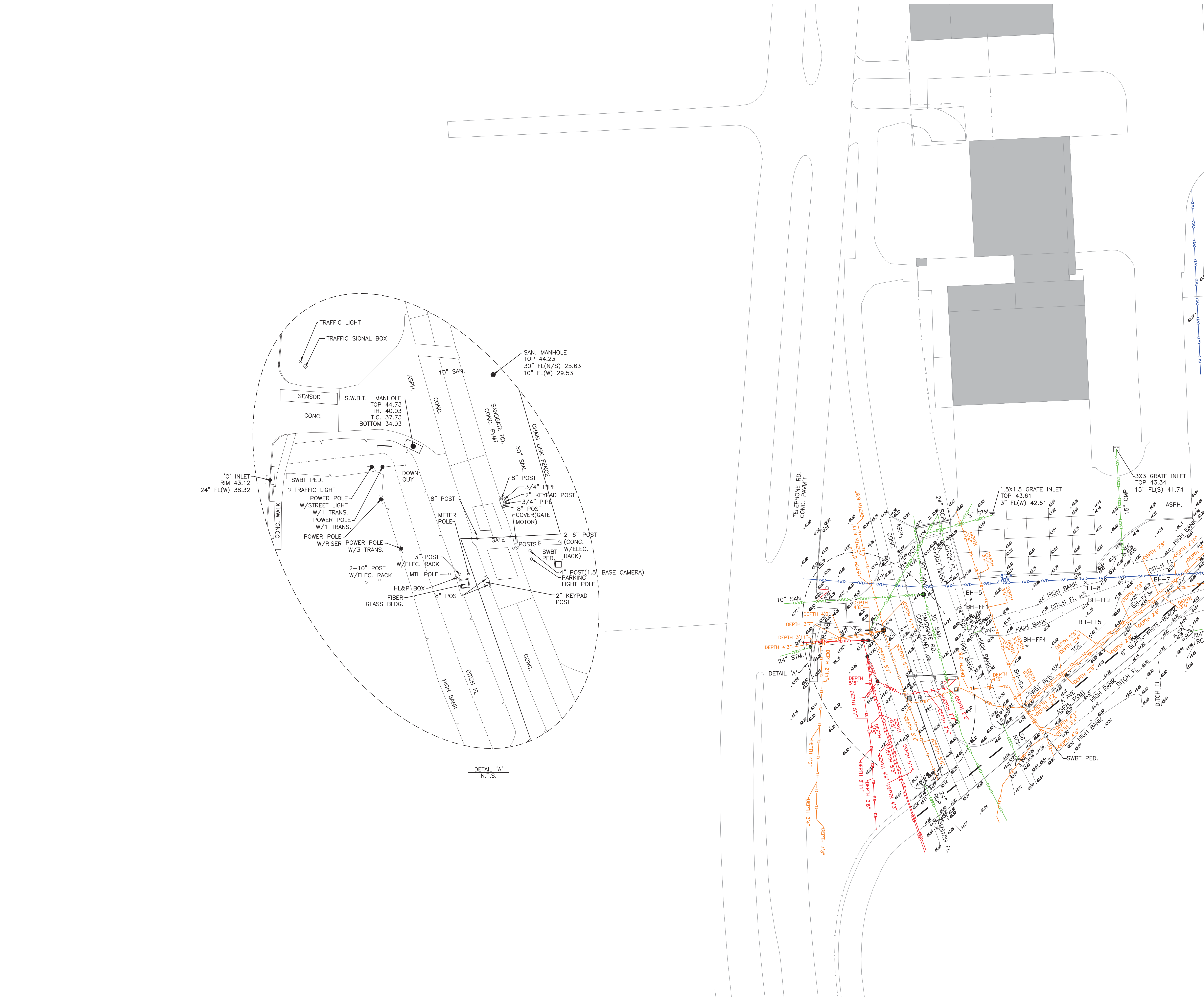
FAA NON-STANDARD TAXIWAYS PROJECT TOPOGRAPHIC SURVEY

PROJECT MGR:
 DESIGNER:
 DRAWN BY:
 CHECKED BY:
 SCALE: AS SHOWN
 DATE: 01/27/2023

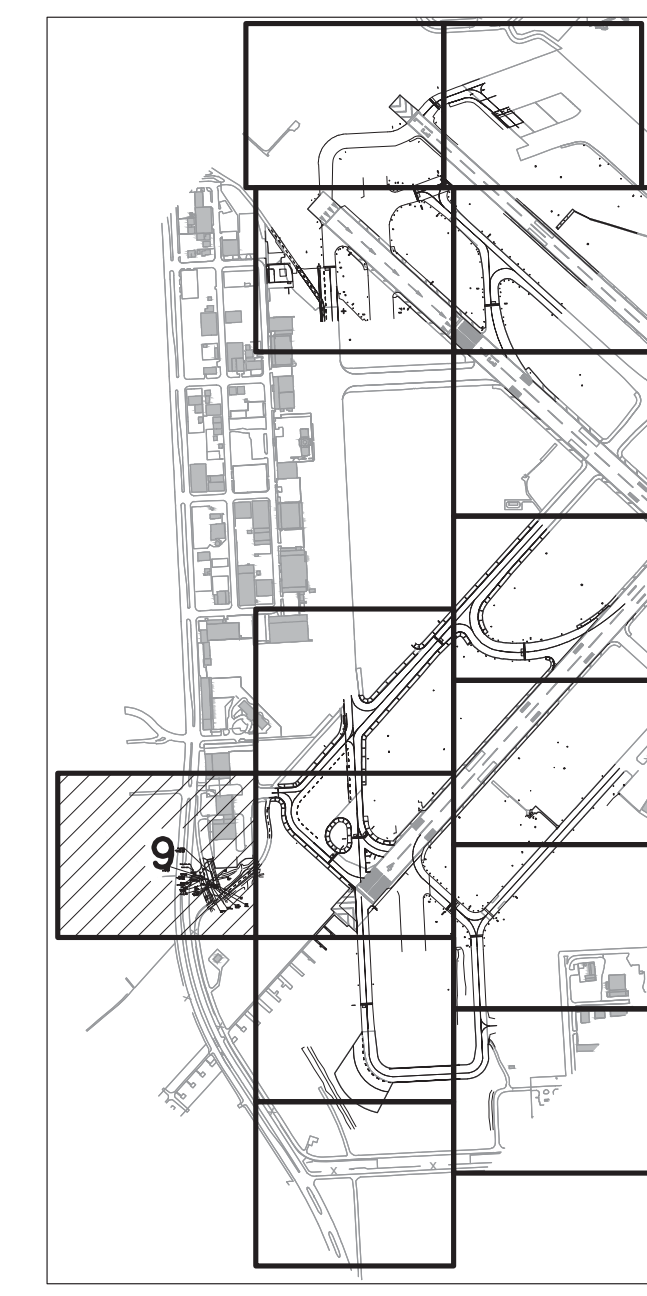
LANDTECH
 2525 North Loop West, Suite 300
 Houston, Texas 77008
 T: 713-861-7068
 F: 713-861-4131
 TBPELS Registration No. 10019100

APPROVED BY: _____ DATE: _____
 DIRECTOR
 HOUSTON AIRPORT SYSTEM
 PROJECT NO: _____
 C.I.P. NO: 770
 3-48-0110-044
 H.A.S. NO: _____
 N/A
 SHEET NO: _____

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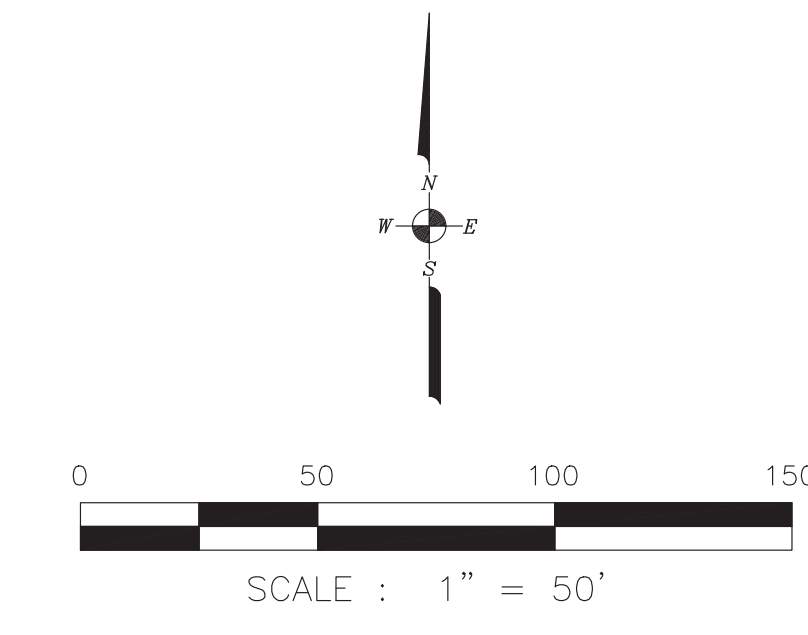
LEGEND FOR HOBBY AIRPORT
NON STANDARD TAXIWAYS-MILLION AIR TANK FARM
HOUSTON, TX

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (LV. B)	11	30	0	---
HOUSTON AIRPORT SYSTEMS (LV. B)	12	30	0	---
HOUSTON AIRPORT SYSTEMS (LV. D)	13	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (EAV) UNDERGROUND (LV. B)	(E1)	10	0	---
AIRPORT ELECTRIC (EAV) UNDERGROUND (LV. D)	(E2)	10	0	---
CENTROPOINT (LV. B)	(C1)	10	0	---
CENTROPOINT (LV. D)	(C2)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (LV. B)	(T1)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (LV. D)	(T2)	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
COM WASTEWATER (LV. D)	(W1)	90	0	---
COM WATERLINE (LV. D)	(W2)	90	0	---
COM STORM SEWER (LV. D)	(S1)	90	0	---
HAS STORM SEWER (LV. D)	(S2)	90	0	---
COM WATERLINE (LV. B)	(W3)	90	0	---
COM WATERLINE (LV. D)	(W4)	90	0	---
COM STORM SEWER (LV. B)	(S3)	90	0	---
HAS STORM SEWER (LV. B)	(S4)	90	0	---
COM WATERLINE (LV. B)	(W5)	90	0	---
COM WATERLINE (LV. D)	(W6)	90	0	---
COM STORM SEWER (LV. B)	(S5)	90	0	---
HAS STORM SEWER (LV. B)	(S6)	90	0	---
COM WATERLINE (LV. B)	(W7)	90	0	---
COM WATERLINE (LV. D)	(W8)	90	0	---
COM STORM SEWER (LV. B)	(S7)	90	0	---
HAS STORM SEWER (LV. B)	(S8)	90	0	---
COM WATERLINE (LV. B)	(W9)	90	0	---
COM WATERLINE (LV. D)	(W10)	90	0	---
COM STORM SEWER (LV. B)	(S9)	90	0	---
HAS STORM SEWER (LV. B)	(S10)	90	0	---
COM WATERLINE (LV. B)	(W11)	90	0	---
COM WATERLINE (LV. D)	(W12)	90	0	---
COM STORM SEWER (LV. B)	(S11)	90	0	---
HAS STORM SEWER (LV. B)	(S12)	90	0	---
COM WATERLINE (LV. B)	(W13)	90	0	---
COM WATERLINE (LV. D)	(W14)	90	0	---
COM STORM SEWER (LV. B)	(S13)	90	0	---
HAS STORM SEWER (LV. B)	(S14)	90	0	---
COM WATERLINE (LV. B)	(W15)	90	0	---
COM WATERLINE (LV. D)	(W16)	90	0	---
COM STORM SEWER (LV. B)	(S15)	90	0	---
HAS STORM SEWER (LV. B)	(S16)	90	0	---
COM WATERLINE (LV. B)	(W17)	90	0	---
COM WATERLINE (LV. D)	(W18)	90	0	---
COM STORM SEWER (LV. B)	(S17)	90	0	---
HAS STORM SEWER (LV. B)	(S18)	90	0	---
COM WATERLINE (LV. B)	(W19)	90	0	---
COM WATERLINE (LV. D)	(W20)	90	0	---
COM STORM SEWER (LV. B)	(S19)	90	0	---
HAS STORM SEWER (LV. B)	(S20)	90	0	---
COM WATERLINE (LV. B)	(W21)	90	0	---
COM WATERLINE (LV. D)	(W22)	90	0	---
COM STORM SEWER (LV. B)	(S21)	90	0	---
HAS STORM SEWER (LV. B)	(S22)	90	0	---
COM WATERLINE (LV. B)	(W23)	90	0	---
COM WATERLINE (LV. D)	(W24)	90	0	---
COM STORM SEWER (LV. B)	(S23)	90	0	---
HAS STORM SEWER (LV. B)	(S24)	90	0	---
COM WATERLINE (LV. B)	(W25)	90	0	---
COM WATERLINE (LV. D)	(W26)	90	0	---
COM STORM SEWER (LV. B)	(S25)	90	0	---
HAS STORM SEWER (LV. B)	(S26)	90	0	---
COM WATERLINE (LV. B)	(W27)	90	0	---
COM WATERLINE (LV. D)	(W28)	90	0	---
COM STORM SEWER (LV. B)	(S27)	90	0	---
HAS STORM SEWER (LV. B)	(S28)	90	0	---
COM WATERLINE (LV. B)	(W29)	90	0	---
COM WATERLINE (LV. D)	(W30)	90	0	---
COM STORM SEWER (LV. B)	(S29)	90	0	---
HAS STORM SEWER (LV. B)	(S30)	90	0	---
COM WATERLINE (LV. B)	(W31)	90	0	---
COM WATERLINE (LV. D)	(W32)	90	0	---
COM STORM SEWER (LV. B)	(S31)	90	0	---
HAS STORM SEWER (LV. B)	(S32)	90	0	---
COM WATERLINE (LV. B)	(W33)	90	0	---
COM WATERLINE (LV. D)	(W34)	90	0	---
COM STORM SEWER (LV. B)	(S33)	90	0	---
HAS STORM SEWER (LV. B)	(S34)	90	0	---
COM WATERLINE (LV. B)	(W35)	90	0	---
COM WATERLINE (LV. D)	(W36)	90	0	---
COM STORM SEWER (LV. B)	(S35)	90	0	---
HAS STORM SEWER (LV. B)	(S36)	90	0	---
COM WATERLINE (LV. B)	(W37)	90	0	---
COM WATERLINE (LV. D)	(W38)	90	0	---
COM STORM SEWER (LV. B)	(S37)	90	0	---
HAS STORM SEWER (LV. B)	(S38)	90	0	---
COM WATERLINE (LV. B)	(W39)	90	0	---
COM WATERLINE (LV. D)	(W40)	90	0	---
COM STORM SEWER (LV. B)	(S39)	90	0	---
HAS STORM SEWER (LV. B)	(S40)	90	0	---
COM WATERLINE (LV. B)	(W41)	90	0	---
COM WATERLINE (LV. D)	(W42)	90	0	---
COM STORM SEWER (LV. B)	(S41)	90	0	---
HAS STORM SEWER (LV. B)	(S42)	90	0	---
COM WATERLINE (LV. B)	(W43)	90	0	---
COM WATERLINE (LV. D)	(W44)	90	0	---
COM STORM SEWER (LV. B)	(S43)	90	0	---
HAS STORM SEWER (LV. B)	(S44)	90	0	---
COM WATERLINE (LV. B)	(W45)	90	0	---
COM WATERLINE (LV. D)	(W46)	90	0	---
COM STORM SEWER (LV. B)	(S45)	90	0	---
HAS STORM SEWER (LV. B)	(S46)	90	0	---
COM WATERLINE (LV. B)	(W47)	90	0	---
COM WATERLINE (LV. D)	(W48)	90	0	---
COM STORM SEWER (LV. B)	(S47)	90	0	---
HAS STORM SEWER (LV. B)	(S48)	90	0	---
COM WATERLINE (LV. B)	(W49)	90	0	---
COM WATERLINE (LV. D)	(W50)	90	0	---
COM STORM SEWER (LV. B)	(S49)	90	0	---
HAS STORM SEWER (LV. B)	(S50)	90	0	---

1. ALL SURVEY LEVELS & UTILITIES ARE OBTAINED BY GEOPHYSICAL METHODS.
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UTILITY ENGINEER

2/13/2023



HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS

Jacobs
JACOBS ENGINEERING GROUP INC.
5995 ROGERDALE ROAD
HOUSTON, TEXAS 77072
+1 832 351 4000
WWW.JACOBS.COM
TEXAS P.E. FIRM F-2966

VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING
1"

REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	01/11/2023	SC

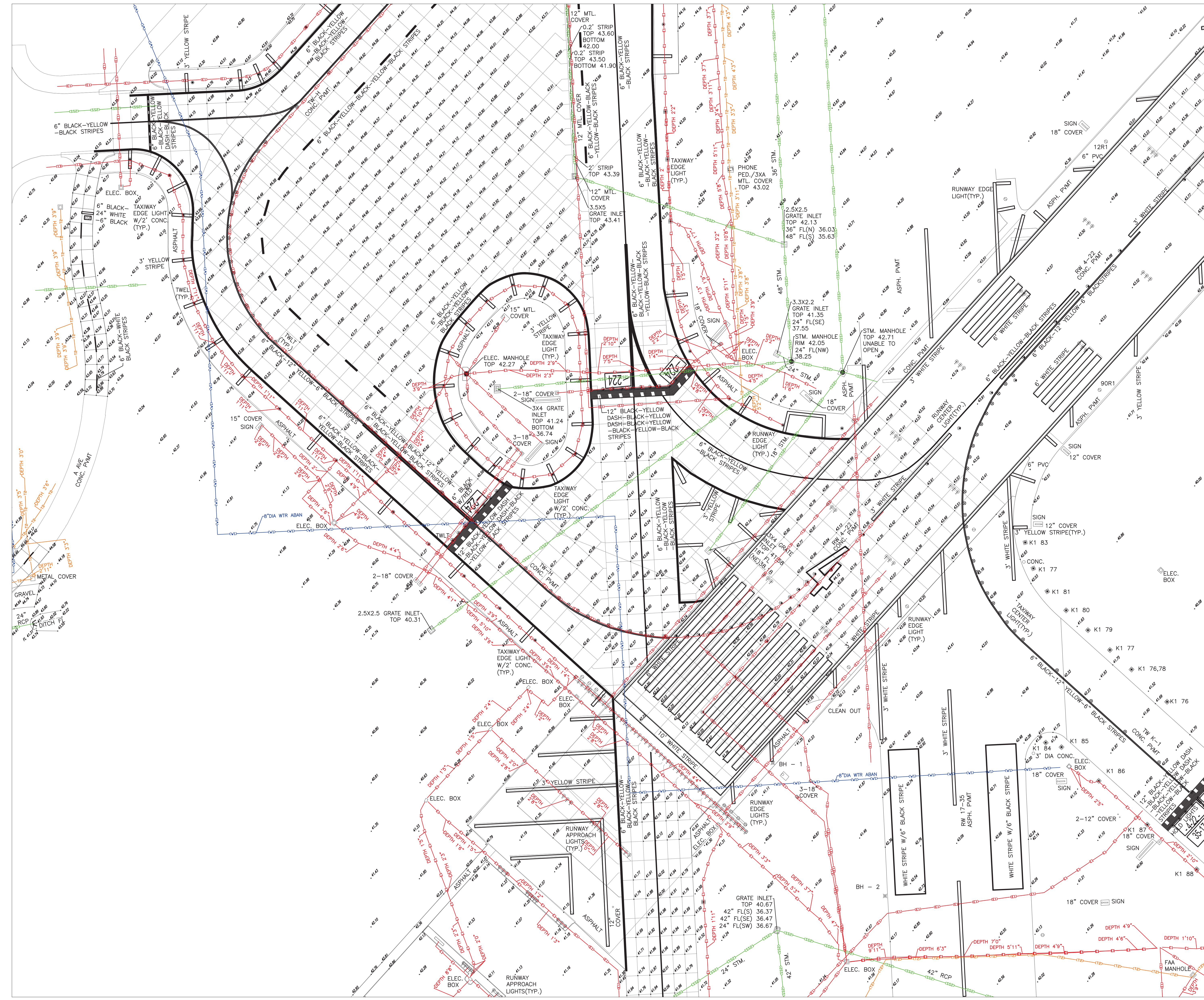
FAA NON-STANDARD TAXIWAYS PROJECT
TOPOGRAPHIC SURVEY

PROJECT MGR:
DESIGNER:
DRAWN BY:
CHECKED BY:
SCALE: AS SHOWN
DATE: 01/27/2023

LANDTECH
2525 North Loop West, Suite 300,
Houston, Texas 77008
T: 713-861-7068
F: 713-861-4131
TPELS Registration No. 10019100

APPROVED BY: DATE:
DIRECTOR
HOUSTON AIRPORT SYSTEM
PROJECT NO:
770
C.I.P. NO:
3-48-0110-044
H.A.S. NO:
N/A
SHEET NO:

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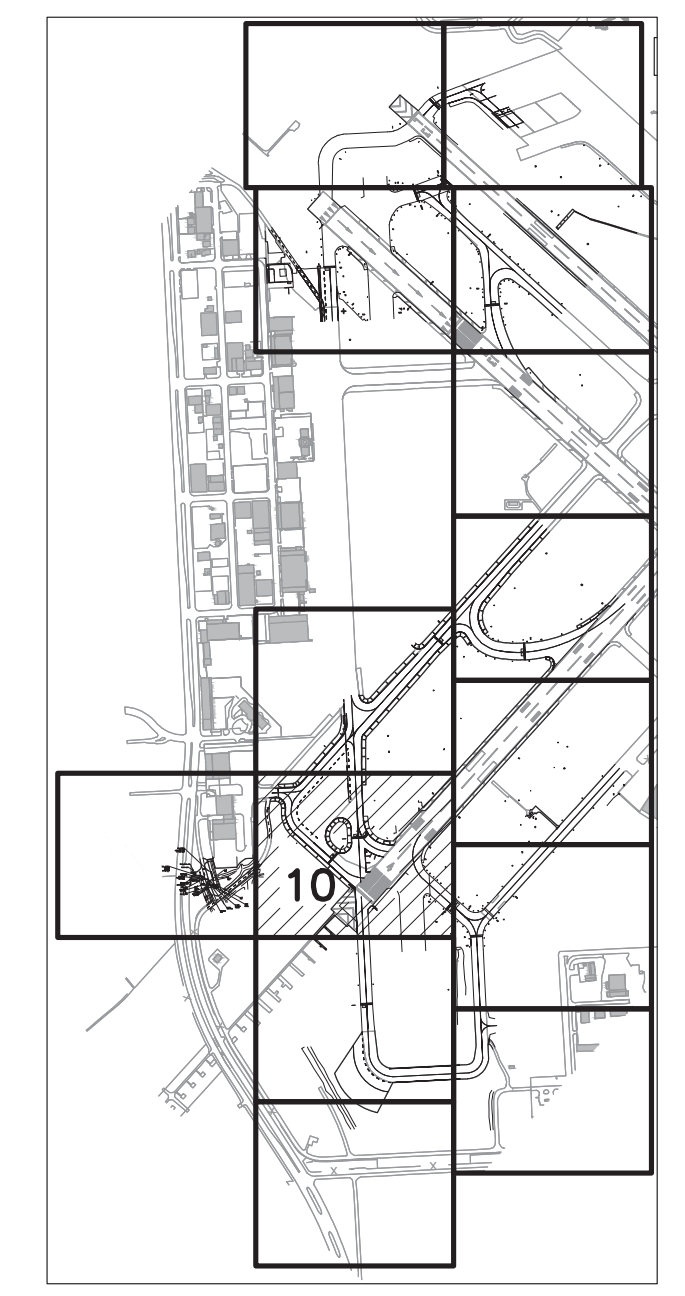
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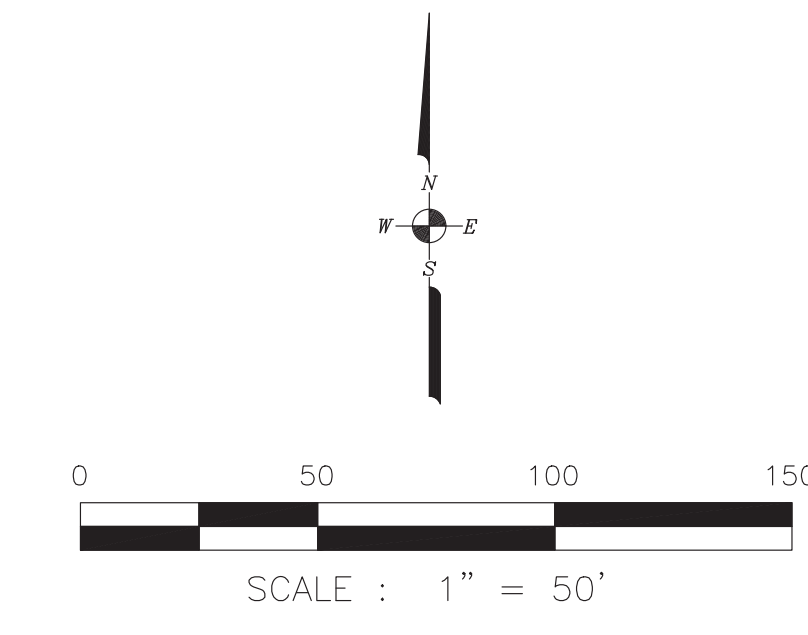
LEGEND FOR HOBBY AIRPORT
NON STANDARD TAXIWAYS-MILLION AIR TANK FARM
HOUSTON, TX

UTILITIES	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
AT&T COMMUNICATIONS (UL 8)	31	32	0	---
HOUSTON AIRPORT SYSTEMS (UL 8)	32	32	0	---
HOUSTON AIRPORT SYSTEMS (UL 2)	32	32	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (AW) UNDERGROUND (UL 5)	(E1)	10	0	---
AIRPORT ELECTRIC (AW) UNDERGROUND (UL 2)	(E2)	10	0	---
CENTROPOINT (UL 2)	(C1)	10	0	---
CENTROPOINT OVERHEAD (UL 2)	(C2)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (UL 8)	(T1)	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
COW WATERMETER (UL 2)	(W1)	90	0	---
COW WATERMETER (UL 2)	(W2)	100	0	---
COW STORM SEWER (UL 2)	(S1)	100	0	---
HAS STORM SEWER (UL 2)	(S2)	100	0	---
HAS STORM SEWER (UL 2)	(S3)	100	0	---
GIS NATURAL/PIPELINES				
CONTINUOUS ENERGY GAS (UL 2)	(G1)	50	0	---
SHELL PIPELINE (UL 2)	(S5)	50	0	---

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UTILITY ENGINEER

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
LEO M. DELATORRE
5113
2/13/2023
2/13/2023



FAA NON-STANDARD TAXIWAYS PROJECT
TOPOGRAPHIC SURVEY

PROJECT MGR:
DESIGNER:
DRAWN BY:
CHECKED BY:
SCALE: AS SHOWN
DATE: 01/27/2023

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TPELS Registration No. 10019100

APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

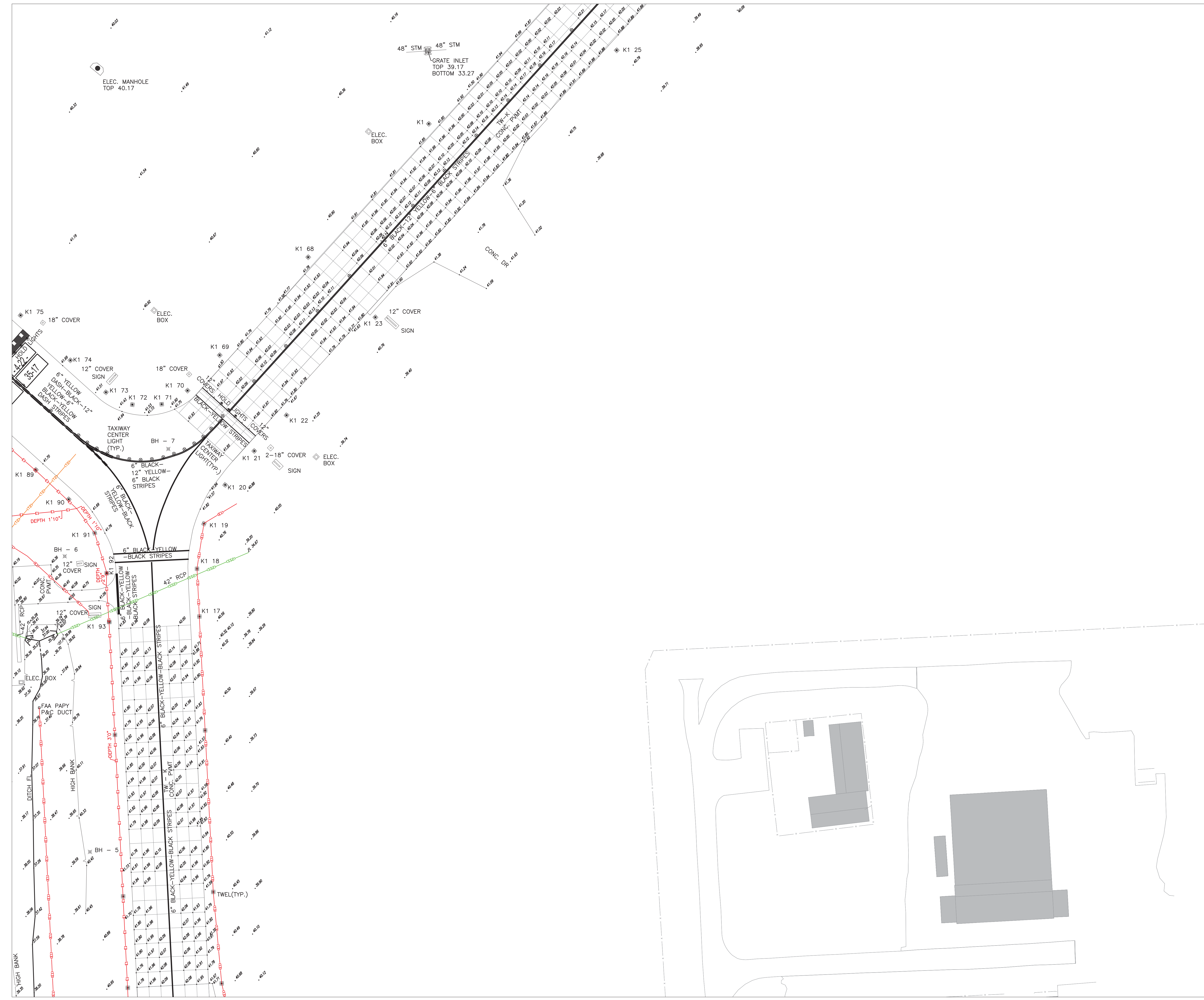
PROJECT NO: _____

C.I.P. NO: 770

3-48-0110-044

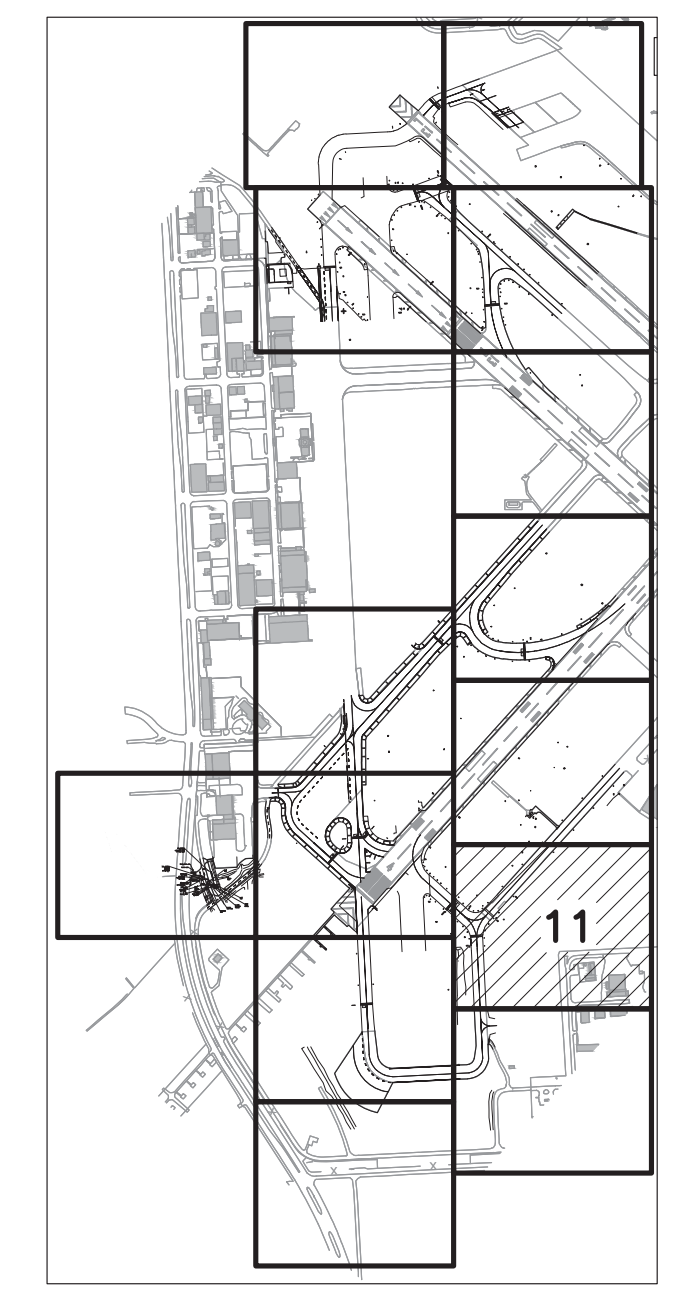
H.A.S. NO: N/A

SHEET NO: _____



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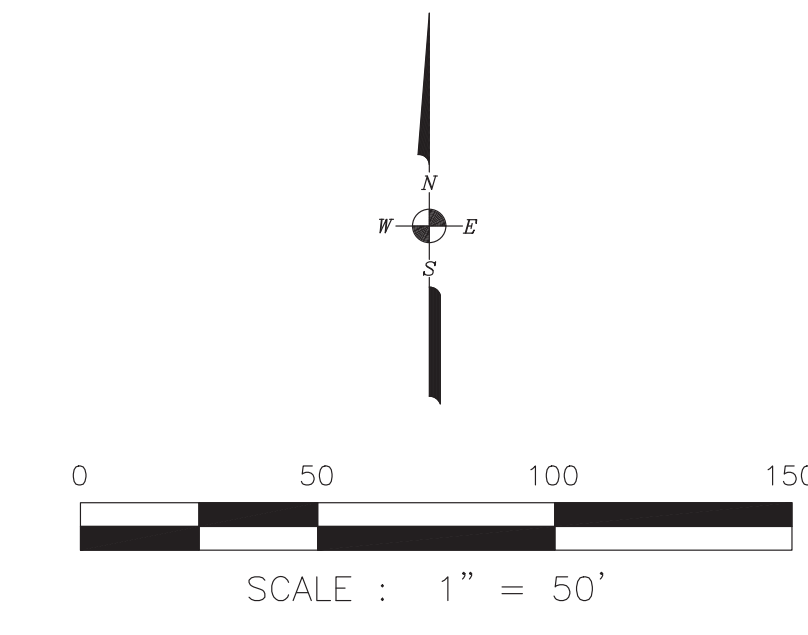
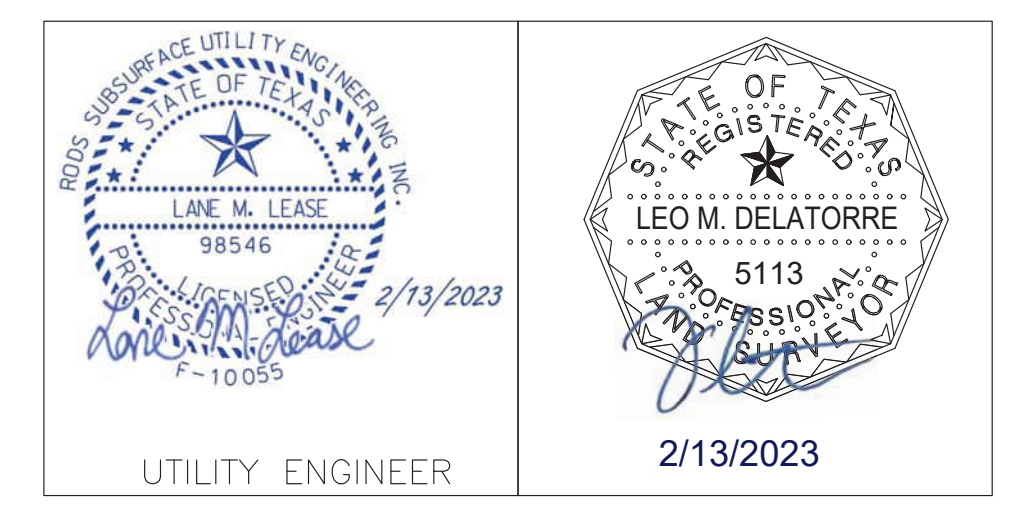
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LEGEND FOR HOBBY AIRPORT
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UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (LV. B)	11	30	0	---
HOUSTON AIRPORT SYSTEMS (LV. B)	12	30	0	---
HOUSTON AIRPORT SYSTEMS (LV. D)	13	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (LV. UNDERGROUND) (LV. B)	01	10	0	---
AIRPORT ELECTRIC (LV. UNDERGROUND) (LV. D)	02	10	0	---
CENTROPOINT (LV. B)	03	10	0	---
CENTROPOINT (LV. D)	04	10	0	---
CENTROPOINT OVERHEAD (LV. C)	05	10	0	---
CENTROPOINT OVERHEAD (LV. D)	06	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (LV. B)	07	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
COM WASTEWATER (LV. D)	08	90	0	---
COM WATERLINE (LV. D)	09	90	0	---
COM STORM SEWER (LV. D)	10	90	0	---
HAS STORM SEWER (LV. D)	11	90	0	---
GIS NATURAL/PF/PLANTS				
CENTROPOINT ENERGY GAS (LV. D)	01	50	0	---
SHELL PIPELINE (LV. D)	02	50	0	---

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3. ALL SUE LEVEL D UTILITIES ARE DRAW FROM RECORD RESEARCH.



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WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS

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REVISIONS

NO.	DESCRIPTION	DATE	BY
0	ISSUED FOR BID	01/11/2023	SC

**FAA NON-STANDARD TAXIWAYS PROJECT
TOPOGRAPHIC SURVEY**

PROJECT MGR:
DESIGNER:
DRAWN BY:
CHECKED BY:
SCALE: AS SHOWN
DATE: 01/27/2023

LANDTECH
2525 North Loop West, Suite 300,
Houston, Texas 77008
T: 713-861-7068
F: 713-861-4131
TPELS Registration No. 10019100

APPROVED BY: _____ DATE: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

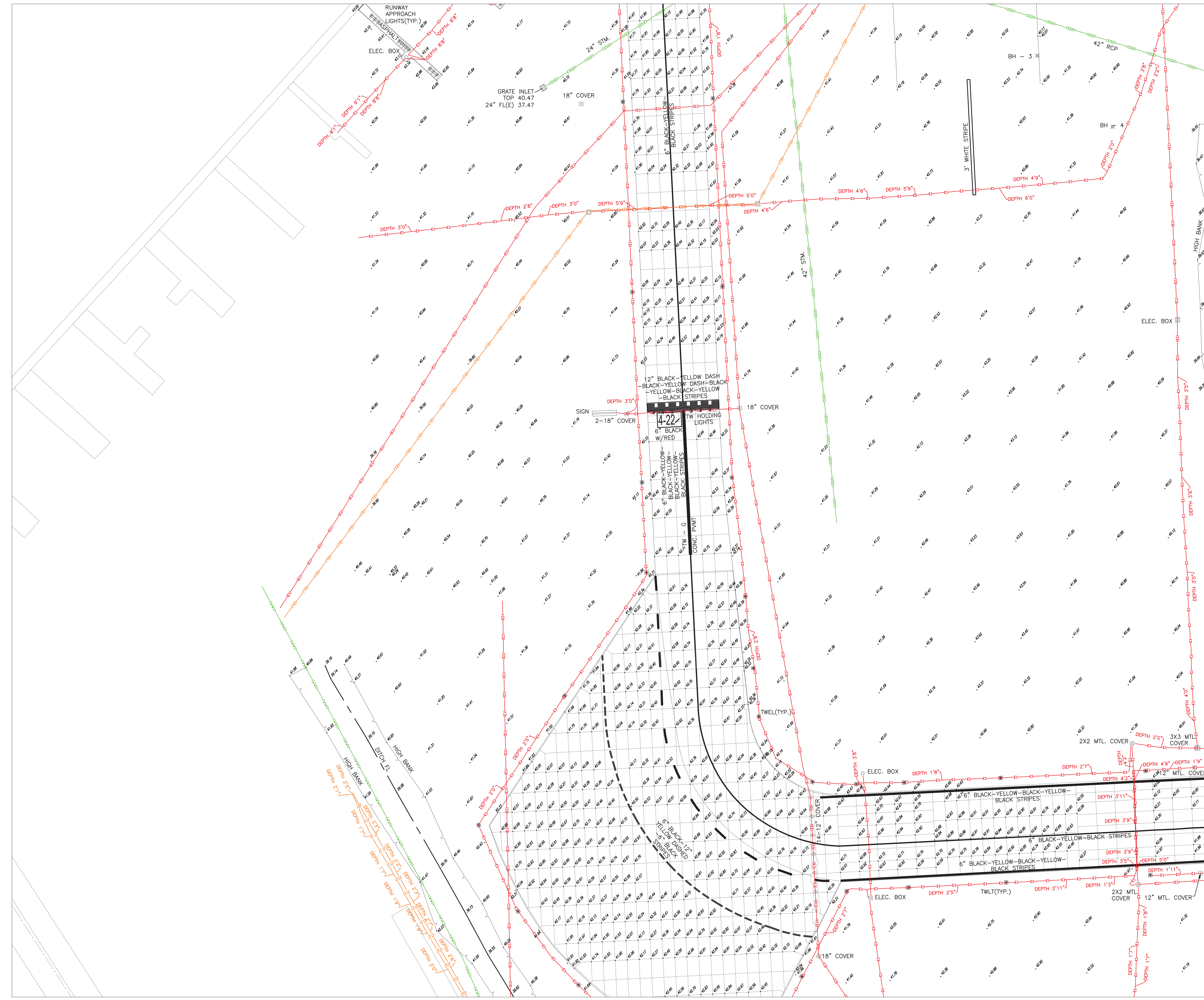
PROJECT NO: _____

C.I.P. NO: _____

H.A.S. NO: _____

SHEET NO: _____

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- NOTES:
- COORDINATES ARE REFERENCED TO THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE, NAD 83 (2011), EPOCH 2010.00. AIRPORT SACS MONUMENT "HOBBY" (ACS AW 6522) WAS HELD FOR PROJECT CONTROL. HORIZONTAL CONTROL SURVEY WAS PERFORMED USING GPS AND THE GEOID 12A MODEL. HOBBY GRID COORDINATES: N=13,798,754.41; E=3,151,530.86. UNIT OF MEASURE = U.S. SURVEY FOOT.
 - ALL COORDINATES SHOWN HEREON HAVE BEEN SCALED UP TO SURFACE VALUES USING A SURFACE ADJUSTMENT FACTOR OF 1.00013. TO CONVERT TO GRID COORDINATES USE THE FOLLOWING FORMULA: SURFACE / 1.00013 = GRID.
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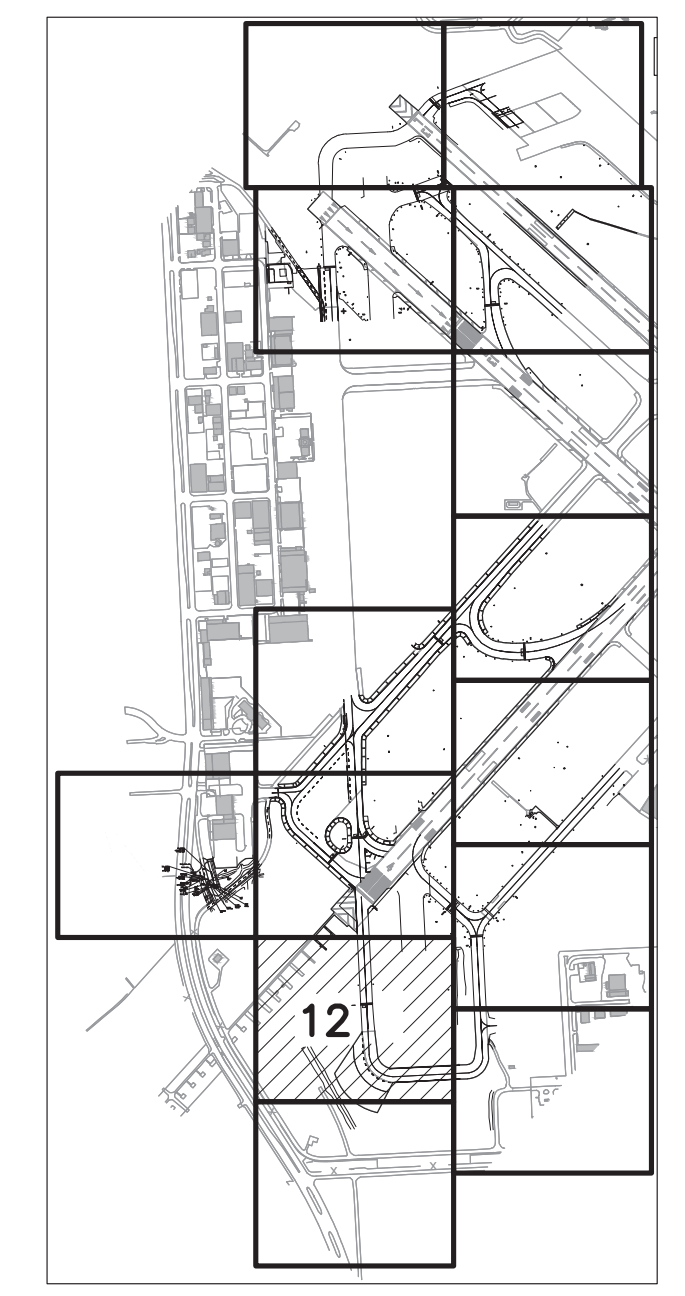
HOUSTON AIRPORT SYSTEM
WILLIAM P. HOBBY AIRPORT
HOUSTON TEXAS

Jacobs
JACOBS ENGINEERING GROUP INC.
5995 ROGERDALE ROAD
HOUSTON, TEXAS 77072
+1-832-351-4000
WWW.JACOBS.COM
TEXAS P.E. FIRM F-2966

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING

REVISIONS

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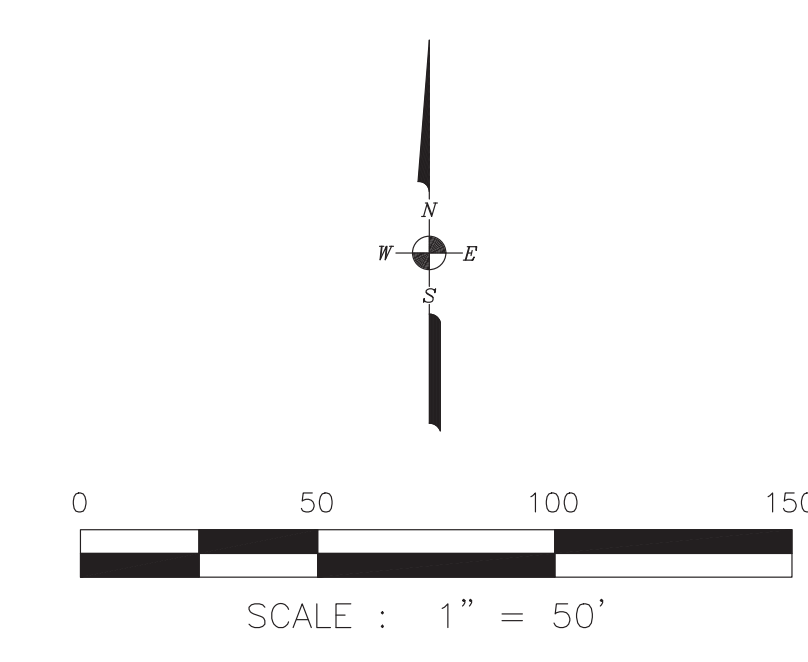
LEGEND FOR HOBBY AIRPORT
NON STANDARD TAXIWAYS-MILLION AIR TANK FARM
HOUSTON, TX

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (UL B)	11	30	0	---
HOUSTON AIRPORT SYSTEMS (UL B)	12	30	0	---
HOUSTON AIRPORT SYSTEMS (UL D)	13	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (AW) UNDERGROUND (UL B)	01	10	0	---
AIRPORT ELECTRIC (AW) UNDERGROUND (UL D)	02	10	0	---
CENTROPOINT (UL B)	03	10	0	---
CENTROPOINT (UL D)	04	10	0	---
ELVERTON OVERHEAD (UL D)	05	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (UL B)	06	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (UL D)	07	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
COM WASTEWATER (UL D)	08	80	0	---
COM WATERLINE (UL D)	09	80	0	---
COM STORM SEWER (UL D)	10	80	0	---
HAS STORM SEWER (UL D)	11	80	0	---
GAS NATURAL/PETROLEUM				
CONTROVERSIAL ENERGY GAS (UL D)	01	50	0	---
SHELL PIPELINE (UL D)	02	50	0	---

1. ALL SURVEY LEVEL UTILITIES ARE OBTAINED BY GEOPHYSICAL METHODS.
2. ALL SURVEY LEVEL UTILITIES ARE DRAWN FROM TOPOGRAPHIC SURVEY.
3. ALL SURVEY LEVEL UTILITIES ARE DRAWN FROM RECORD RESEARCH.

UTILITY ENGINEER

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
LEO M. DELATORRE
5113
2/13/2023



FAA NON-STANDARD TAXIWAYS PROJECT
TOPOGRAPHIC SURVEY

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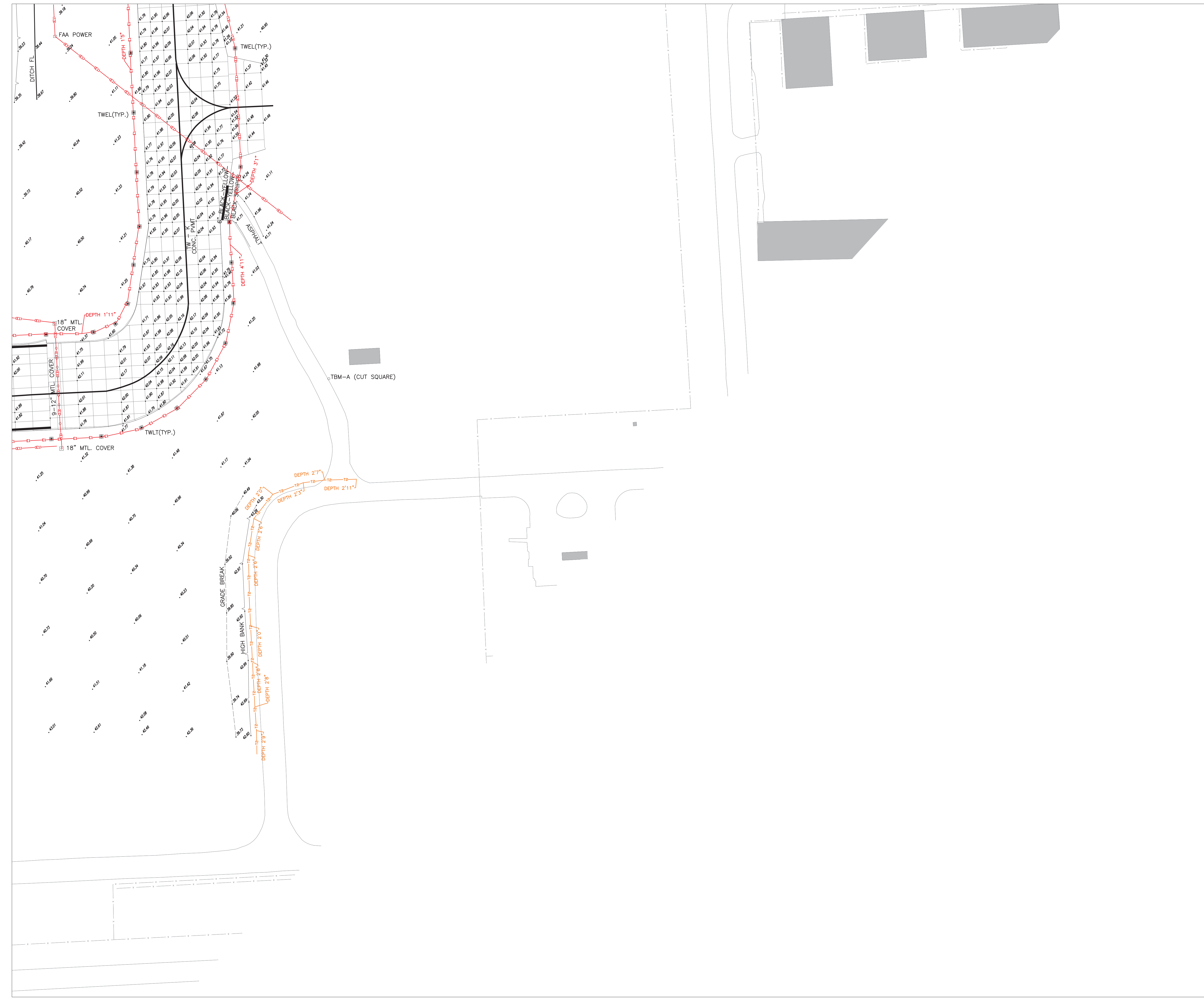
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO:
770

C.I.P. NO:
3-48-0110-044

H.A.S. NO:
N/A

SHEET NO:



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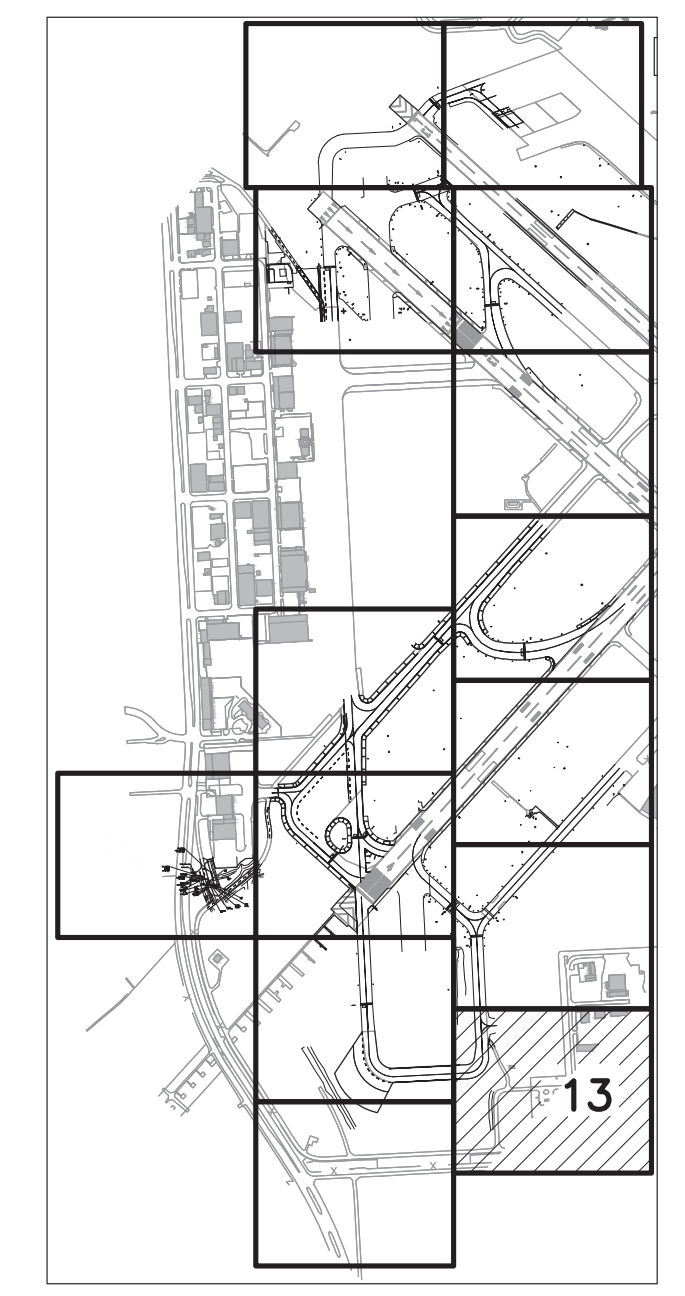
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1"

REVISIONS

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LEGEND FOR HOBBY AIRPORT
NON STANDARD TAXIWAYS-MILLION AIR TANK FARM
HOUSTON, TX

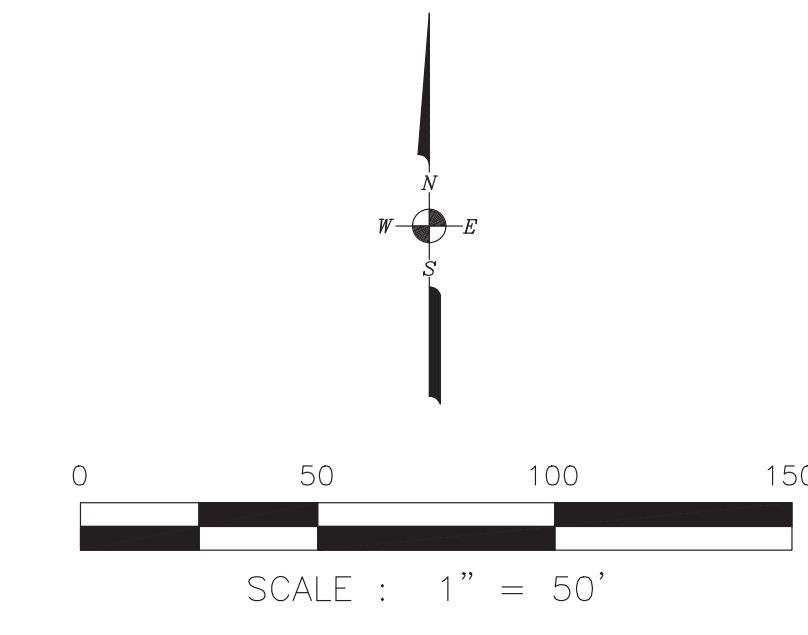
UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (UL B)	11	30	0	---
HOUSTON AIRPORT SYSTEMS (UL B)	23	30	0	---
HOUSTON AIRPORT SYSTEMS (UL D)	(12)	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (FAA) UNDERGROUND (UL B)	(E1)	10	0	---
AIRPORT ELECTRIC (FAA) UNDERGROUND (UL D)	(E2)	10	0	---
CENTROPOINT (UL B)	(E3)	10	0	---
CENTROPOINT (UL D)	(E4)	10	0	---
ELVENTHOUR OVERHEAD (UL B)	(E5)	10	0	---
ELVENTHOUR OVERHEAD (UL D)	(E6)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (UL B)	(E7)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (UL D)	(E8)	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
CON WASTEWATER (UL D)	(W1)	80	0	---
CON WASTEWATER (UL B)	(W2)	80	0	---
CON STORM SEWER (UL D)	(S1)	80	0	---
CON STORM SEWER (UL B)	(S2)	80	0	---
CON STORM SEWER (UL D)	(S3)	80	0	---
CON STORM SEWER (UL B)	(S4)	80	0	---
GAS, NATURAL/GASOLINE				
CENTROPOINT ENERGY GAS (UL D)	(G1)	50	0	---
SHELL PIPELINE (UL D)	(G2)	50	0	---

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UTILITY ENGINEER

JANE M. LEAZ
98546
2/13/2023

STATE OF TEXAS
REGISTERED
LEO M. DELATORRE
S113
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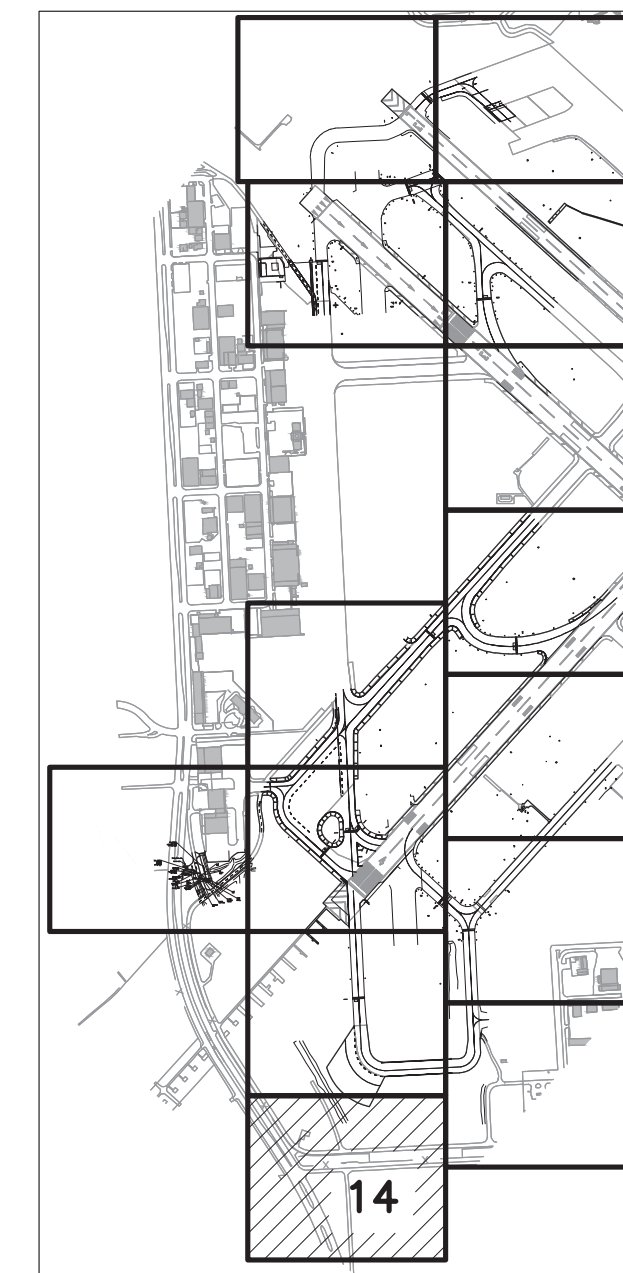
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LEGEND FOR HOBBY AIRPORT
 NON STANDARD TAXIWAYS-MILLION AIR TANK FARM
 HOUSTON, TX

UTILITY	SYMBOL	COLOR	LINE WEIGHT	LINE STYLE
COMMUNICATIONS				
AT&T COMMUNICATIONS (LV. B)	(1)	30	0	---
HOUSTON AIRPORT SYSTEMS (LV. B)	(10)	30	0	---
ELECTRIC ENERGY				
AIRPORT ELECTRIC (WV UNDERGROUND) (LV. B)	(E1)	10	0	---
AIRPORT ELECTRIC (WV UNDERGROUND) (LV. D)	(E2)	10	0	---
CENTURION (LV. B)	(E3)	10	0	---
CENTURION (LV. D)	(E4)	10	0	---
EVERETT OVERHEAD (LV. B)	(E5)	10	0	---
EVERETT OVERHEAD (LV. D)	(E6)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (LV. B)	(E7)	10	0	---
CITY OF HOUSTON TRAFFIC SIGNAL (LV. D)	(E8)	10	0	---
WATER, STORM, WASTEWATER & ENVIRONMENTAL				
CON WATERMAIN (LV. B)	(W1)	90	0	---
CON WATERLINE (LV. D)	(W2)	90	0	---
CON STORM SEWER (LV. B)	(S1)	90	0	---
CON STORM SEWER (LV. D)	(S2)	90	0	---
WWS STORM SEWER (LV. B)	(S3)	90	0	---
WWS STORM SEWER (LV. D)	(S4)	90	0	---
GENS NATURAL/GAS/PIPELINES				
CONTORON ENERGY GAS (LV. B)	(G1)	90	0	---
SHELL PIPELINE (LV. D)	(G2)	90	0	---

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