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PLOT DATE: 2024-05-06

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PLANS FOR CONSTRUCTION

OF

KENSWICK DRIVE EXTENSION

AT

GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON

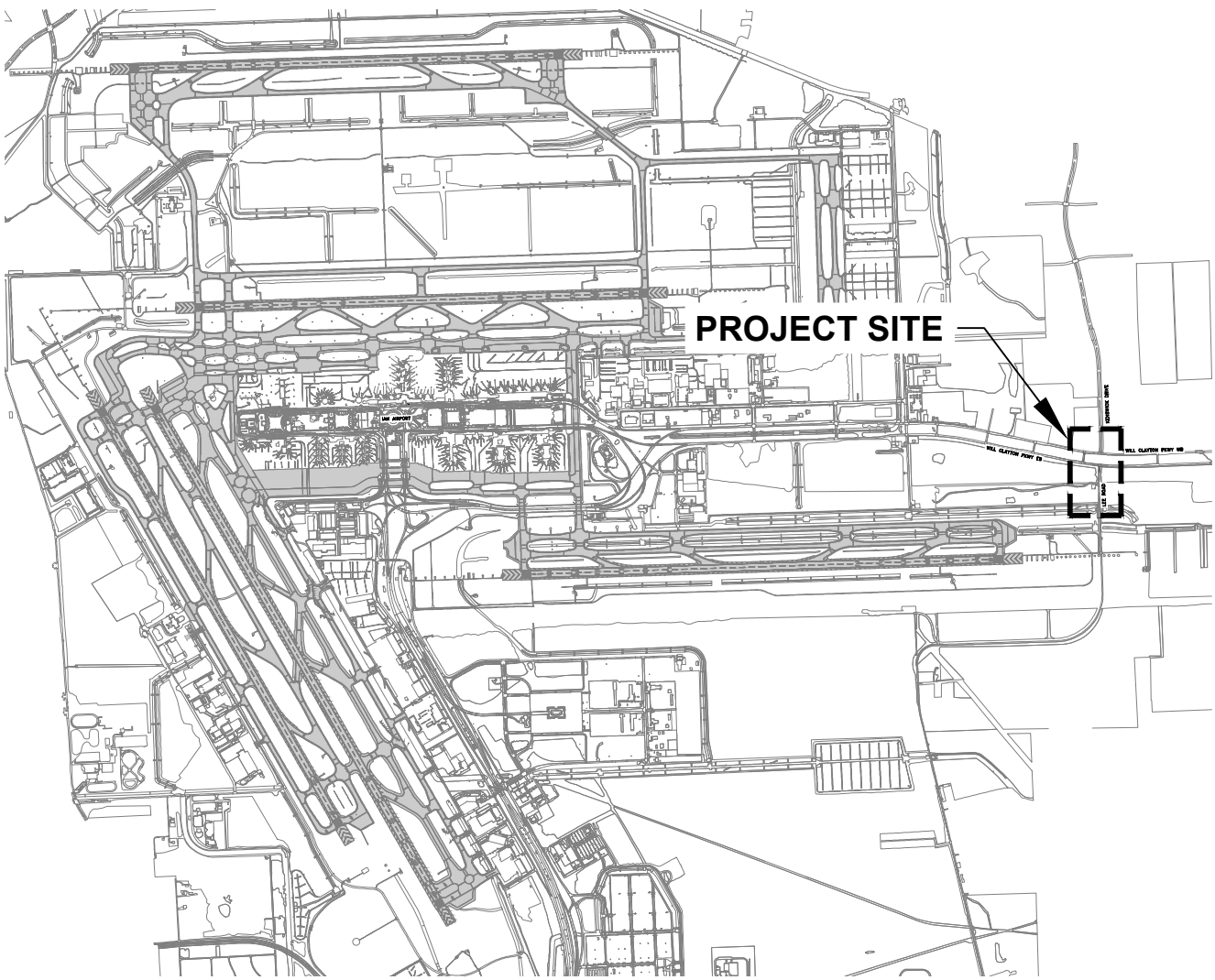
PROJECT NO. 935
TIP-20-220-IAH

PREPARED BY

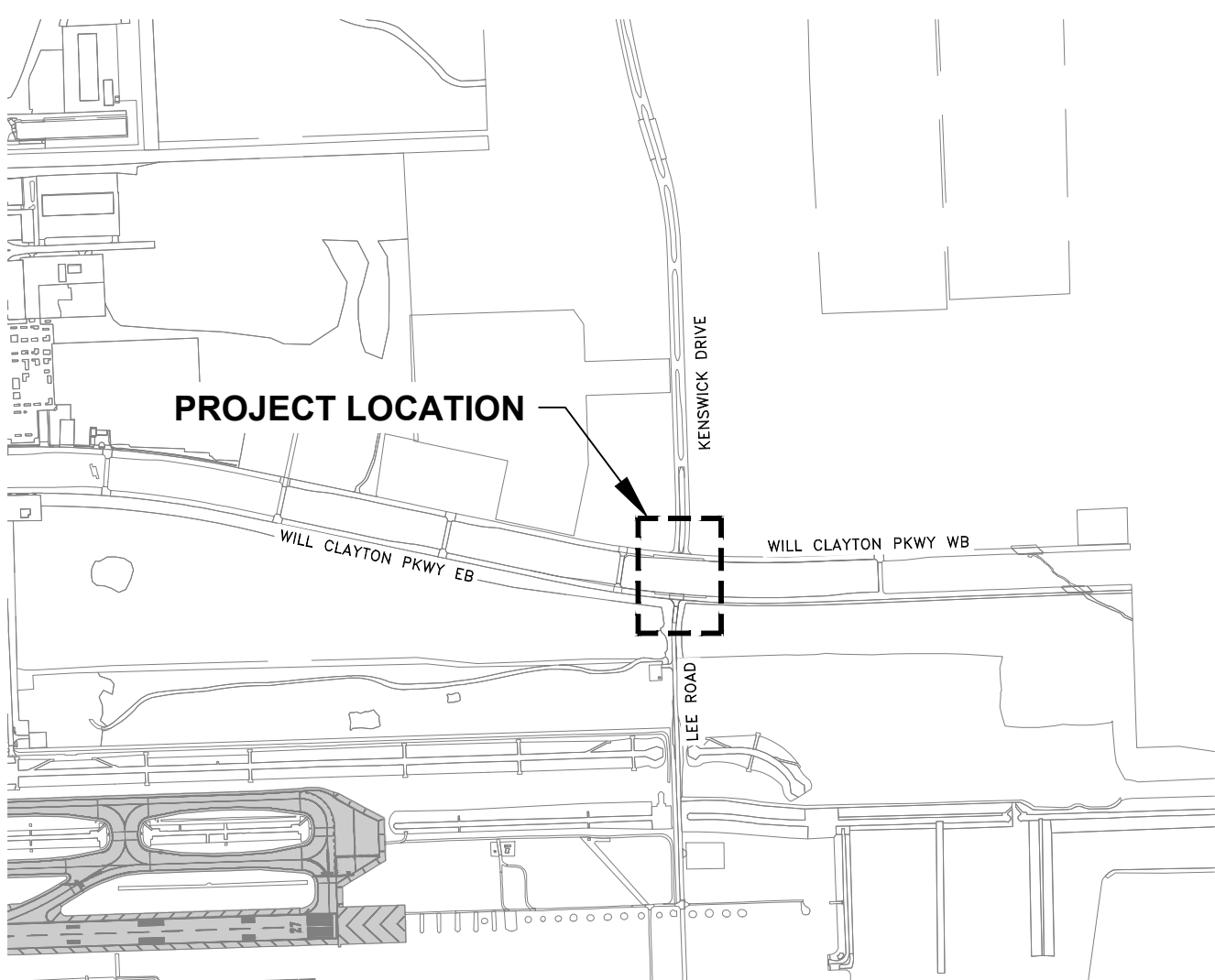
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MAY 08, 2024
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ROADWAY	DESIGN SPEED
KENSWICK DR	45 MPH
WILL CLAYTON PKWY	50 MPH
LEE RD	45 MPH
*WILL CLAYTON TURNAROUNDS BASED ON TXDOT TURNAROUND RADIUS OF 75FT.	



VICINITY MAP
N.T.S.



LOCATION MAP
N.T.S.

ATKINS

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REVISIONS			
NO.	DESCRIPTION	DATE	BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
COVER SHEET
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

HAS FILE C:\PW\WORK\ATKIN\TX01\WS\ATKINS_DOTR3544\DWG61854\--0935--XR--TTLBLK--MASTER
DATE: 2024-04-19

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SHEET INDEX		
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126	CS-602	TRAFFIC SIGNAL WIRING DIAGRAM

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REVISIONS		
NO.	DESCRIPTION	DATE BY

CITY OF HOUSTON
MEMORIAL INTERSTATE SYSTEM
Intersecting:  GEORGE BUSH
Houston Airport System
Division of Engineering & Transportation

PROJECT NO. 100072032
SHEET 002

ATKINS NORTH AMERICA
144857
LICENSED PROFESSIONAL ENGINEER

Meghan E. Sheehan 05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
SHEET INDEX
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

G-002

SUMMARY OF QUANTITIES				
BID ITEM #	SPEC REF. #	BID ITEM DESCRIPTION	UNIT	QUANTITY
1	1502-100	MOBILIZATION	LS	1
2	1554-100	INSTALLATION OR REPLACEMENT OF PERMANENT SIGNS	EA	37
3	1555-100	TRAFFIC CONTROL AND REGULATION	LS	1
4	1555-300	FLAGMEN	LS	1
5	1575-100	STABILIZED CONSTRUCTION ACCESS	SY	3195
6	2136-200	REMOVAL AND DISPOSAL OF POTENTIALLY PETROLEUM SOAKED SAND	CY	500
7	2221-252	REMOVE AND DISPOSE OF REINFORCED CONCRETE PAVEMENT, WITH OR WITHOUT ASPHALT OVERLAY	SY	2373
8	2221-252	REMOVE AND DISPOSE OF ASPHALTIC SURFACE WITH OR WITHOUT BASE	SY	470
9	2221-301	REMOVE EXISTING POLE FOUNDATION (SALVAGE SIGN)	EA	17
10	2233-100	CLEARING AND GRUBBING	AC	3
11	2315-100	ROADWAY EXCAVATION (ROADWAY / INFIELD AREAS)	CY	4725
12	2315-100	ROADWAY EXCAVATION (DETENTION BASIN)	CY	10491
13	2336-107	LIME STABILIZED SUBGRADE, 10-INCH	SY	9905
14	2336-200	LIME-FOR LIME STABILIZED SUBGRADE	TON	212
15	2711-100	TYPE A HOT MIX ASPHALTIC BASE COURSE	TON	2610
16	2751-109	10-INCH REINFORCED CONCRETE PAVEMENT	SY	8715
17	2752-101	BOARD EXPANSION JOINT WITHOUT LOAD TRANSFER DEVICE	LF	11112
18	2762-100	REMOVE OF RAISED PAVEMENT MARKING ALL TYPES	LS	5585
19	2762-200	BLAST CLEANING OF PAVEMENT (SYMBOLS AND LEGENDS)	SF	12037
20	2762-205	BLAST CLEANING OF PAVEMENT MARKINGS (4-INCH LINES)	LF	250
21	2762-206	BLAST CLEANING OF PAVEMENT MARKINGS (8-INCH LINES)	LF	8
22	2762-207	BLAST CLEANING OF PAVEMENT MARKINGS (12-INCH LINES)	LF	10
23	2762-208	BLAST CLEANING OF PAVEMENT MARKINGS (24-INCH LINES)	LF	29
24	2767-405	THERMOPLASTIC PAVEMENT MARKING (4-INCH-WIDE) WHITE OR YELLOW	LF	5309
25	2767-406	THERMOPLASTIC PAVEMENT MARKING (6-INCH-WIDE) WHITE OR YELLOW	LF	4833
26	2767-408	THERMOPLASTIC PAVEMENT MARKING (12-INCH-WIDE) WHITE OR YELLOW	LF	1895
27	2767-409	THERMOPLASTIC PAVEMENT MARKING (24-INCH-WIDE) WHITE OR YELLOW	LF	250
28	2767-301	THERMOPLASTIC PAVEMENT MARKING, ELONGATED WORD "ONLY"	EA	8
29	2767-302	THERMOPLASTIC PAVEMENT MARKING, TURNING ARROWS	EA	29
30	2771-100	6-INCH CONCRETE CURB	LF	5207
31	2772-100	6-INCH CONCRETE MEDIAN	SY	1662
32	2775-105	4-1/2-INCH CONCRETE SIDEWALK	SF	156
33	2915-300	REMOVE, TEMPORARY STORE, AND REPLANT TREE	EA	13
DRAINAGE / MANHOLE / SWPPP				
34	1570-101	FILTER FABRIC BARRIER	LF	2448
35	1570-109	INLET PROTECTION BARRIER	LF	600
36	2086-100	ADJUST EXISTING MANHOLE FRAME AND COVER TO NEW GRADE	EA	3
37	2221-200	REMOVE AND DISPOSE OF EXISTING MANHOLES	EA	4
38	2221-201	REMOVE AND DISPOSE OF EXISTING INLETS	EA	4
39	2221-500	REMOVE AND DISPOSE OF 15-INCH AND SMALLER STORM CULVERTS	LF	8
40	2221-520	REMOVE AND DISPOSE OF STORM SEWERS AND LEADS LESS THAN 24-INCH	LF	109
41	2221-521	REMOVE AND DISPOSE 24-INCH TO 36-INCH STORM SEWERS AND LEADS	LF	8
42	2221-522	REMOVE AND DISPOSE 42-INCH TO 54-INCH STORM SEWERS AND LEADS	LF	24
43	2221-523	REMOVE AND DISPOSE OF STORM SEWERS AND LEADS LARGER THAN 60-INCH	LF	8
44	2631-105	24-INCH DIAMETER RCP STORM SEWER BY OPEN CUT	LF	844
45	2631-109	42-INCH DIAMETER RCP STORM SEWER BY OPEN CUT	LF	8
46	2631-110	48-INCH DIAMETER RCP STORM SEWER BY OPEN CUT	LF	16
47	2631-112	60-INCH DIAMETER RCP STORM SEWER BY OPEN CUT	LF	8
48	2633-300	TYPE C-1 INLET (PRECAST)	EA	7
49	2633-600	TYPE E INLET (PRECAST)	EA	2
50	2633-900	JUNCTION BOX WITH LID OR GRATE FOR STORM SEWER (PRECAST)	EA	3
51	2633-801	HEADWALL INCLUDING PARALLEL WINGWALLS (PRECAST)	EA	2
52	2921-100	HYDRO MULCH SEEDING	SY	11396

SUMMARY OF QUANTITIES				
BID ITEM #	SPEC REF. #	BID ITEM DESCRIPTION	UNIT	QUANTITY
SIGNALIZATION / ELECTRICAL*				
53	2582-203	35-FOOT GALVANIZED MAST ARM POLE WITH FOUNDATION	EA	1
54	2582-204	40-FOOT GALZANIZED MAST ARM POLE WITH FOUNDATION	EA	1
55	2582-205	45-FOOT GALZANIZED MAST ARM POLE WITH FOUNDATION	EA	2
56	2582-206	50-FOOT MAST ARM POLE ASSEMBLY AND FOUNDATION	EA	1
57	2582-207	55-FOOT GALZANIZED MAST ARM POLE WITH FOUNDATION	EA	1
58	2893-01	REMOVE HIGH MAST ILLUMINATION	EA	2
59	2893-07	15 FT PEDESTRIAN PUSH BUTTON POLE WITH FOUNDATION	EA	5
60	2893-08	METERED PEDESTAL SERVICE UL TYPE 3R	EA	1
61	2893-11	STREET NAME SIGNS	EA	6
62	2893-13	ALUMINUM SIGN "RIGHT LANE MUST TURN RIGHT" SIGN R3-7R (30"X30")	EA	1
63	2893-14	ALUMINUM SIGN R3-5L (30"X36")	EA	5
64	16710-100	TYPE A PULL BOX WITH GRAVEL AND GROUND ROD	EA	14
65	16710-200	TYPE B PULL BOX WITH GRAVEL AND GROUND ROD	EA	9
66	16710-300	TYPE C PULL BOX WITH GRAVEL AND GROUND ROD	EA	1
67	16711-105	1-INCH PVC SCH.80 UNDERGROUND, EARTH	LF	80
68	16711-205	2-INCH PVC SCH.80 UNDERGROUND, EARTH	LF	2440
69	16711-305	3-INCH PVC SCH.80 UNDERGROUND, EARTH	LF	345
70	16711-405	4-INCH PVC SCH.80 UNDER PAVEMENT, BORE	LF	1475
71	16711-406	4-INCH PVC SCH.80 UNDERGROUND, EARTH	LF	385
72	16713-105	VEHICLE PRE-FORMED LOOP DETECTOR, 6-FOOT BY 6-FOOT	EA	44
73	16715-300	3-SECTION VEHICLE SIGNAL HEAD ASSEMBLY 12" (HORIZONTAL) (RYG) WITH BACKPLAYE	EA	17
74	16715-300	3-SECTION VEHICLE SIGNAL HEAD ASSEMBLY 12" (HORIZONTAL) (R<Y<G), ARROW WITH BACKPLATE	EA	3
75	16715-300	3-SECTION VEHICLE SIGNAL HEAD ASSEMBLY 12" (VERTICAL) (R<Y<G), ARROW WITH BACKPLATE	EA	2
76	16719-100	COUNTDOWN PEDESTRIAN SIGNAL MODULE	EA	6
77	16720	1/C #4 XHHW (POWER)	LF	0
78	16720	1/C #8 AWG BARE COPPER	LF	4715
79	16720	LOOP DETECTOR WIRE	LF	1345
80	16720-300	3/C-#14 AWG SOLID CABLE	LF	1660
81	16720-206	2/C-#10 AWG SOLID CABLE	LF	1020
82	16720-206	2/C-#12 AWG BARE CABLE	LF	1020
83	16720-505	5/C-#14 AWG SOLID CABLE	LF	1660
84	16720-705	7/C-#14 AWG SOLID CABLE	LF	5605
85	16724-100	EMERGENCY VEHICLE PREEMPTION	LS	1
86	16727-100	LOOP DETECTOR SAWCUT	LF	2161
87	16727-100	LOOP-LEAD-IN	LF	14750
88	16731-100	MODEL 2070 CONTROLLER UNIT (2070-F6330600S13)	EA	1
89	16732-100	UNITERRUPTIBLE POWER SUPPLY	EA	1
90	16738-100	WIRELESS COMMUNICATION SYSTEM (CELLULAR)	EA	1
91	16750	"POLARA NAVIGATOR ACCESSIBLE PEDESTRIAN PUSH BUTTON STATION ON TRAFFIC (R) & PEDESTRIAN SIGNAL POLES"	EA	4
92	16750	"POLARA NAVIGATOR ACCESSIBLE PEDESTRIAN PUSH BUTTON STATION ON TRAFFIC (L) & PEDESTRIAN SIGNAL POLES"	EA	2
93	16750-100	ACCESSIBLE PEDESTRIAN PUSH BUTTON STATION	EA	1

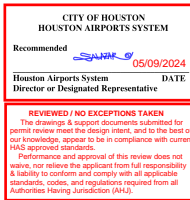
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REVISIONS

NO.	DESCRIPTION	DATE	BY
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
SUMMARY OF QUANTITIES

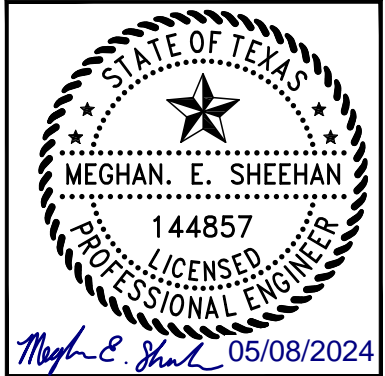
PROJECT MGR: MES

DESIGNER: ALR

DRAWN BY: ALR

CHECK BY: PMW

DATE: 05/08/2024



APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. _____
100072032

A.I.P. NO.

C.I.P. NO.

H.A.S. NO. _____

935

SHEET NO. _____

G-003

HAS FILE:C:\PWL_WORK\ATKIN\TX01\WSATKINS_DOTR3544\DWG59378\1-0935-G-004.DWG
PLOT DATE: 2024-04-19

GENERAL NOTES

1. THE EXISTING CONDITIONS ILLUSTRATED WITHIN THESE PROJECT PLANS ARE DEVELOPED FROM AS-BUILT INFORMATION SUPPLEMENTED BY A PROJECT SITE VISIT. THE DESIGNER DOES NOT WARRANT THESE EXISTING CONDITIONS INFORMATION AS ALL-INCLUSIVE OR EXACT BUT RATHER AS THE BEST AVAILABLE KNOWLEDGE TRANSFER AT THE TIME OF PROJECT DEVELOPMENT.
2. THE CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO COMMENCING WORK. SHOULD THE CONTRACTOR DISCOVER ANY CONDITIONS NOT REFLECTED WITHIN THE PROJECT DOCUMENTS, HE SHALL NOTIFY THE HAS REPRESENTATIVE IMMEDIATELY.
3. THE PROJECT PAY ITEMS SHALL BE INCLUSIVE OF ALL WORK TO BE PERFORMED AS SHOWN IN THESE PROJECT PLANS. WORK NOT IDENTIFIED WITH A SPECIFIC PAY ITEMS SHALL BE INCLUDED, UNLESS OTHERWISE STATED IN APPLICABLE SPECIFICATION, IN THE COST OF THE PROJECT PAY ITEMS OF WHICH IT IS A COMPONENT.
4. THE LOCATION FOR THE CONTRACTOR'S STAGING AREA AND HAUL ROUTE IS INDICATED ON SHEET G-006. THE CONTRACTOR IS RESPONSIBLE FOR SECURING ALL UTILITY CONNECTIONS AND SERVICE TO AND WITHIN THE STAGING AREA AS MAY BE NECESSARY. THE CONTRACTOR SHALL PROVIDE SECURITY, FENCING OR BARRICADES AROUND THE STAGING AREA(S) AS NEEDED. THE CONTRACTOR SHALL RESTORE THE STAGING AREA UPON PROJECT COMPLETION, INCLUDING REPAIR OF EXISTING FACILITIES, REMOVAL OF INSTALLED UTILITIES, REGRADING, TOP SOILING AND RESEEDING, COMPLETE AND TO THE SATISFACTION OF THE ENGINEER AND AIRPORT MANAGER. THE WORK ASSOCIATED WITH ESTABLISHING, MAINTAINING, DEMOBILIZING AND RESTORING THE CONTRACTOR'S STAGING AREA IS INCIDENTAL AND NOT MEASURED FOR SEPARATE PAYMENT.
5. ACCESS TO THE PROJECT SITE TO/FROM THE STAGING AREA SHALL BE VIA THE ROUTE SHOWN ON SHEET G-006.
6. THE CONTRACTOR SHALL SECURE MATERIALS STOCKPILED WITHIN THE CONSTRUCTION AREA TO PREVENT ITS MOVEMENT OR EROSION RESULTING FROM WIND CONDITION AND/OR RAINFALL. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS ON PAVEMENTS WITHIN OR ADJACENT TO THE PROJECT WORK AREA. THE CONTRACTOR SHALL SWEEP AND/OR VACUUM ALL PAVEMENT AREAS AFFECTED BY THE WORK ON A DAILY BASIS. IN ADDITION, THE CONTRACTOR SHALL SWEEP/CLEAN PAVED ROADWAYS ALONG THE PROJECT HAUL ROUTES AND IMMEDIATELY CLEAN UP MUD, DEBRIS OR CONSTRUCTION MATERIALS FALLING ON ANY PAVEMENTS OUTSIDE OF THE LIMITS OF CONSTRUCTION OR RESULTING FROM HIS HAULING ACTIVITIES.
7. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS THAT ARE PERTINENT TO THIS WORK. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN, MAINTAIN AND PAY ALL COSTS ASSOCIATED WITH ANY PERMITS AND LICENSES REQUIRED TO ACCOMPLISH THE WORK. THESE COSTS ARE INCIDENTAL TO THE WORK AND WILL NOT BE PAID FOR SEPARATELY.
8. MATERIAL PRODUCED AS A RESULT OF THE CONTRACTOR'S OPERATIONS THAT ARE NOT OTHERWISE USEABLE BY HAS SHALL BE DISPOSED OF OFF HAS PROPERTY IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS. THERE WILL BE NO SEPARATE PAY ITEM FOR WASTE MATERIAL DISPOSAL.
9. WHERE THE FOLLOWING ITEMS ARE CALLED FOR REMOVAL, THEY SHALL BE SALVAGED AND TURNED OVER TO HAS:

a. SIGNS
10. MECHANICAL SWEEPER AND/OR VACUUM TRUCK SHALL BE ON-SITE AT ALL TIMES TO CLEAN ANY DEBRIS OFF THE ROADWAY PAVEMENTS FOR THE DURATION OF ALL CONSTRUCTION ACTIVITIES.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ACTIVITIES WITH THE APPROPRIATE ENTITY, INCLUDING BUT NOT LIMITED TO HAS, AND CITY OF HOUSTON.
12. CONTRACTOR SHALL REFER TO THE PROJECT MANUAL VOLUME 2 FOR EMPLOYEE PARKING, TEMPORARY SAFETY ITEMS, AND OTHER INFORMATION NECESSARY TO COMPLETE THE PROJECT.
13. CONTRACTOR TO MAINTAIN TREES FOR A PERIOD OF 24 MONTHS AFTER COMPLETION OF CONSTRUCTION. CONTRACTOR SHALL WATER TREES DURING THE MAINTENANCE PERIOD.

PHASING NOTES

1. THE GENERAL INTENT OF THE CONSTRUCTION PHASING IS TO MINIMIZE THE CLOSURE OF ROADWAYS, REDUCE CONSTRUCTION DURATION AND DECREASE DISRUPTIONS TO OPERATIONS. SHOP DRAWINGS, MATERIAL AND EQUIPMENT SHALL BE PROCURED PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. PROCUREMENT PHASE (PHASE 0): PRIOR TO COMMENCEMENT OF PHASE A CONSTRUCTION, THERE WILL BE A PROCUREMENT PHASE. WITHIN THE PROCUREMENT PHASE THE CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS REQUIRED BY THE SPECIFICATIONS SUCH THAT ALL SUBMITTALS CAN BE APPROVED PRIOR TO COMMENCEMENT OF THE INSTALLATION OF THE EROSION CONTROL DEVICES IDENTIFIED IN THE STORM WATER POLLUTION PREVENTION PLAN AND DETAILED IN EROSION AND SEDIMENT CONTROL PLANS ON SHEET CE-101 (SWPPP); ESTABLISHING HIS ACCESS/HAUL ROUTES, ESTABLISHING THE STAGING AREA; INSTALL AND HAVE INSPECTED ALL TRAFFIC CONTROL DEVICES; CONSTRUCT HAUL ROAD.

A. SWPPP: PRIOR TO THE START OF CONSTRUCTION PHASE A, THE CONTRACTOR SHALL IMPLEMENT, INSTALL, AND AND HAVE INSPECTED ALL THE EROSION CONTROL DEVICES FOR THE APPLICABLE PHASES OF CONSTRUCTION PER THE SWPPP AS OUTLINED ON THE EROSION CONTROL PLANS.

B. TRAFFIC CONTROL: ONLY THE CONSTRUCTION LIMITS AND ADJACENT ROADWAY/TRAVEL LANE, AS DEPICTED ON THE SITE LAYOUT AND ACCESS PLAN, WILL BE CLOSED TO TRAFFIC. THE CONTRACTOR SHALL DEVELOP AND SUBMIT A TRAFFIC CONTROL PLAN FOR ASSOCIATED LANE CLOSERS AND TRAFFIC BARRICADE REQUIREMENTS TO HAS FOR REVIEW AND APPROVED PRIOR TO PHASE 0. TRAFFIC CONTROL PLAN SHALL BE SIGNED AND SEALED BY LICENSED TEXAS PE.

C. HAUL ROAD: SUBSEQUENT TO THE INSTALLATION OF THE EROSION CONTROL AND TRAFFIC CONTROL DEVICES, THE CONTRACTOR SHALL CONSTRUCT THE HAUL ROAD GENERALLY AS SHOWN ON THE SITE LAYOUT AND ACCESS PLAN. THE ENTIRE LENGTH OF THE HAUL ROAD SHALL BE CONSTRUCTED DURING PHASE 0. THE COST OF THE HAUL ROAD IS INCIDENTAL TO THE TRAFFIC CONTROL PAY ITEM.

D. THE PROJECT PHASES SHALL BE DIVIDED BETWEEN WORK WITHIN KENSWICK DRIVE, WILL CLAYTON PARKWAY, AND LEE ROAD RIGHT OF WAY (ROW) AND WORK OUTSIDE OF KENSWICK DRIVE, WILL CLAYTON PARKWAY, AND LEE ROAD ROW. ALL WORK WITHIN THE ROW WILL REQUIRE COORDINATION WITH HAS PRIOR TO BEGINNING. WORK INSIDE THE ROW WILL COMMENCE WITH THE INSTALLATION OF TRAFFIC CONTROL DEVICES AND SIGNAGE AS IDENTIFIED IN THE CONSTRUCTION SAFETY PHASING PLAN. THE CONTRACTOR WILL HAVE THE LATITUDE TO SCHEDULE WORK AND INSTALL TRAFFIC CONTROL DEVICES/BARRICADES, AS APPROPRIATE, FOR CONSTRUCTION ACTIVITIES OUTSIDE THE ROW WHEN WORKING ON OTHER AREAS.
3. ALL CONTRACTOR VEHICLES AND TRAFFIC SHALL REMAIN WITHIN THE LIMITS OF THE CONSTRUCTION AREA, STAGING AREA, OR HAUL ROUTES UNLESS OTHERWISE DIRECTED BY THE HOUSTON AIRPORT SYSTEM (HAS) OPERATIONS.

CENTERPOINT ENERGY NOTES:

CAUTION: UNDERGROUND GAS FACILITIES

THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT 1-800-545-6005 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- WHEN CENTERPOINT ENERGY PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (713) 207-5463 OR (713) 945-8037 (7:00 A.M. TO 4:30 P.M.) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.
- WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.
- WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.
- FOR EMERGENCIES REGARDING GAS LINES CALL (713) 659-2111 OR (713) 207-4200.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

WARNING: OVERHEAD ELECTRICAL LINES

OVERHEAD LINES MAY EXIST ON THE PROPERTY. THE LOCATION OF OVERHEAD LINES HAS NOT BEEN SHOWN ON THESE DRAWINGS AS THE LINES ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE FORBIDS ACTIVITIES THAT OCCUR IN CLOSE PROXIMITY TO HIGH VOLTAGE LINES, SPECIFICALLY:

- ANY ACTIVITY WHERE PERSON OR THINGS MAY COME WITHIN SIX(6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES; AND
- OPERATING A CRANE, DERRICK, POWER SHOVEL, DRILLING RIG, PILE DRIVER, HOISTING EQUIPMENT, OR SIMILAR APPARATUS WITHIN 10 FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES.

PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY AT (713) 207-2222.

ACTIVITIES ON/OR ACROSS CENTERPOINT ENERGY FEE OR EASEMENT PROPERTY

NO APPROVAL TO USE, CROSS OR OCCUPY CENTERPOINT FEE OR EASEMENT PROPERTY IS GIVEN. IF YOU NEED TO USE CENTERPOINT PROPERTY, PLEASE CONTACT OUR SURVEYING & RIGHT OF WAY DIVISION AT (713) 207-6348 OR (713) 207-5769.

WARNING: UNDERGROUND ELECTRICAL UTILITIES

THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT 1-800-545-6005 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

- ALL INFORMATION CONCERNING TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTORS ARE RESPONSIBLE MAKING THEIR OWN DETERMINATIONS AS TO TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND PIPELINES, CONDUITS, AND STRUCTURES BY CONTACTING OWNERS OF UNDERGROUND UTILITIES OR BY EXCAVATING IN ADVANCE OF CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXACT LOCATION OF ALL UTILITIES WHEN AND WHERE THEY FALL IN THE PATH OF CONSTRUCTION.
- THE CONTRACTOR IS ALSO RESPONSIBLE FOR CONTACTING THE UTILITY COORDINATING COMMITTEE AT (713) 223-4567 AND TEXAS ONE CALL AT 1-800-245-4545, FORTY-EIGHT (48) HOURS PRIOR TO ANY CONSTRUCTION.
- THE LOCATION OF ANY CENTERPOINT ENERGY UTILITIES ARE SHOWN IN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. THEY AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
- ALL PROPOSED FACILITIES SHALL MAINTAIN 12" CLEAR FROM ALL EXISTING UTILITIES.

ABBREVIATIONS

BC	BACK OF CURB
COH	CITY OF HOUSTON
DR	DRIVE
E	EAST
EB	EAST BOUND
EOP	EDGE OF PAVEMENT
FL	FLOW LINE
HAS	HOUSTON AIRPORT SYSTEMS
N	NORTH
NB	NORTH BOUND
PKWY	PARKWAY
RCP	REINFORCED CONCRETE PIPE
RD	ROAD
S	SOUTH
SB	SOUTH BOUND
SWPPP	STORMWATER POLLUTION PREVENTION PLAN
TYP.	TYPICAL
W	WEST
WB	WEST BOUND
WCR	WHEELCHAIR RAMP

AT&T TEXAS/SWBT FACILITIES

1. THE LOCATIONS OF AT&T TEXAS/SWBT FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL CALL 1-800-344-8377 (TEXAS 811) A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.
3. WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF AT&T TEXAS/SWBT FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES. WHEN BORING, THE CONTRACTOR SHALL EXPOSE THE AT&T TEXAS/SWBT FACILITIES.
4. WHEN AT&T TEXAS/SWBT FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES THE CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.
5. THE PRESENCE OR ABSENCE OF AT&T TEXAS/SWBT UNDERGROUND CONDUIT FACILITIES OR BURIED CABLE FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURIED CABLES OR OTHER CABLES IN CONDUIT IN THE AREA.
6. PLEASE CONTACT THE AT&T TEXAS DAMAGE PREVENTION MANAGER KEVIN RAY AT (713) 614-1983 OR E-MAIL HIM AT kr7896@gtt.com IF CABLE LOCATE REQUESTS ARE NOT COMPLETED FOR OUR AT&T TEXAS/SWBT FACILITIES.



ATKINS

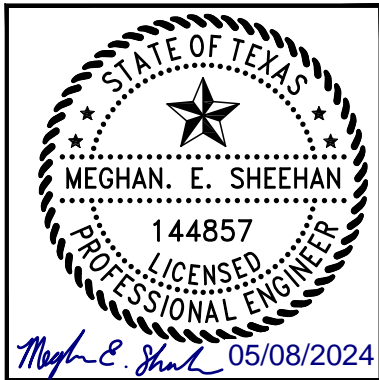
LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-9500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

STATE OF TEXAS
HOUSTON AIRPORT SYSTEM
Kenswick Drive Extension
General Notes, Legend and Abbreviations
Issued for Permit

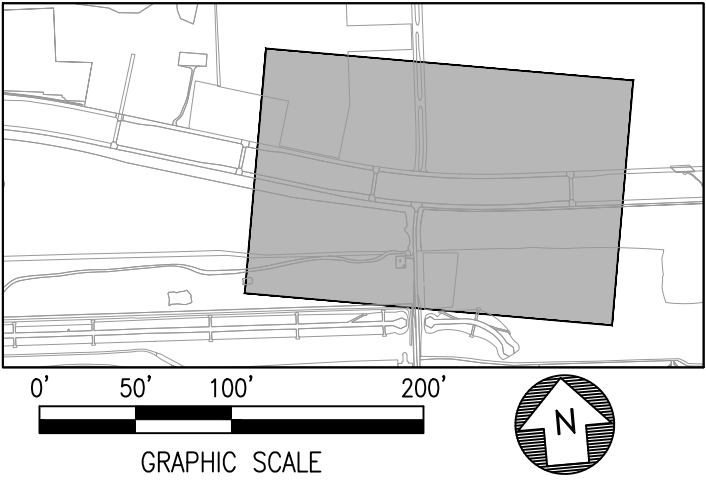
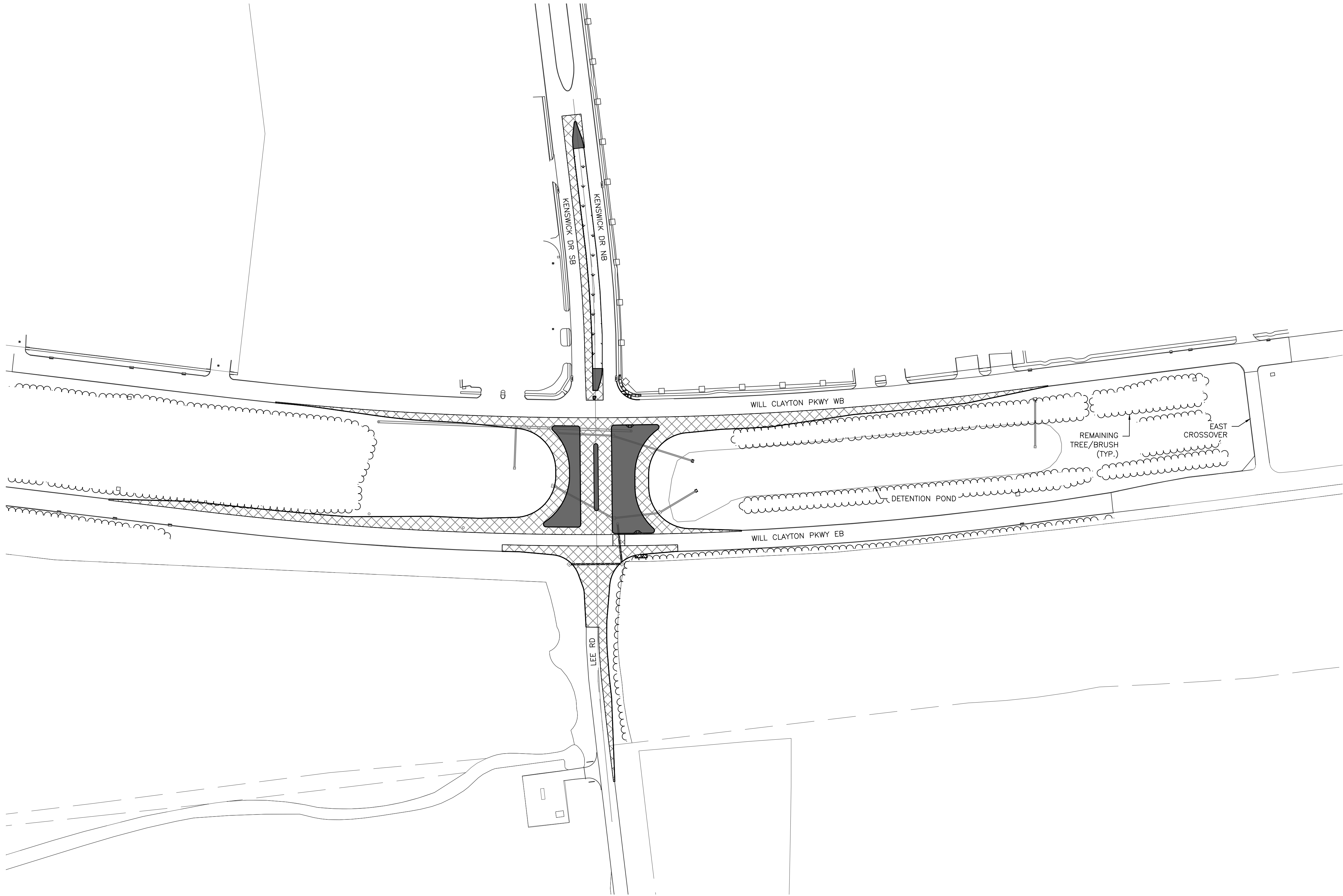
PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

G-004

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PLOT DATE:2024-04-19



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LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
OVERALL SITE PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY: _____

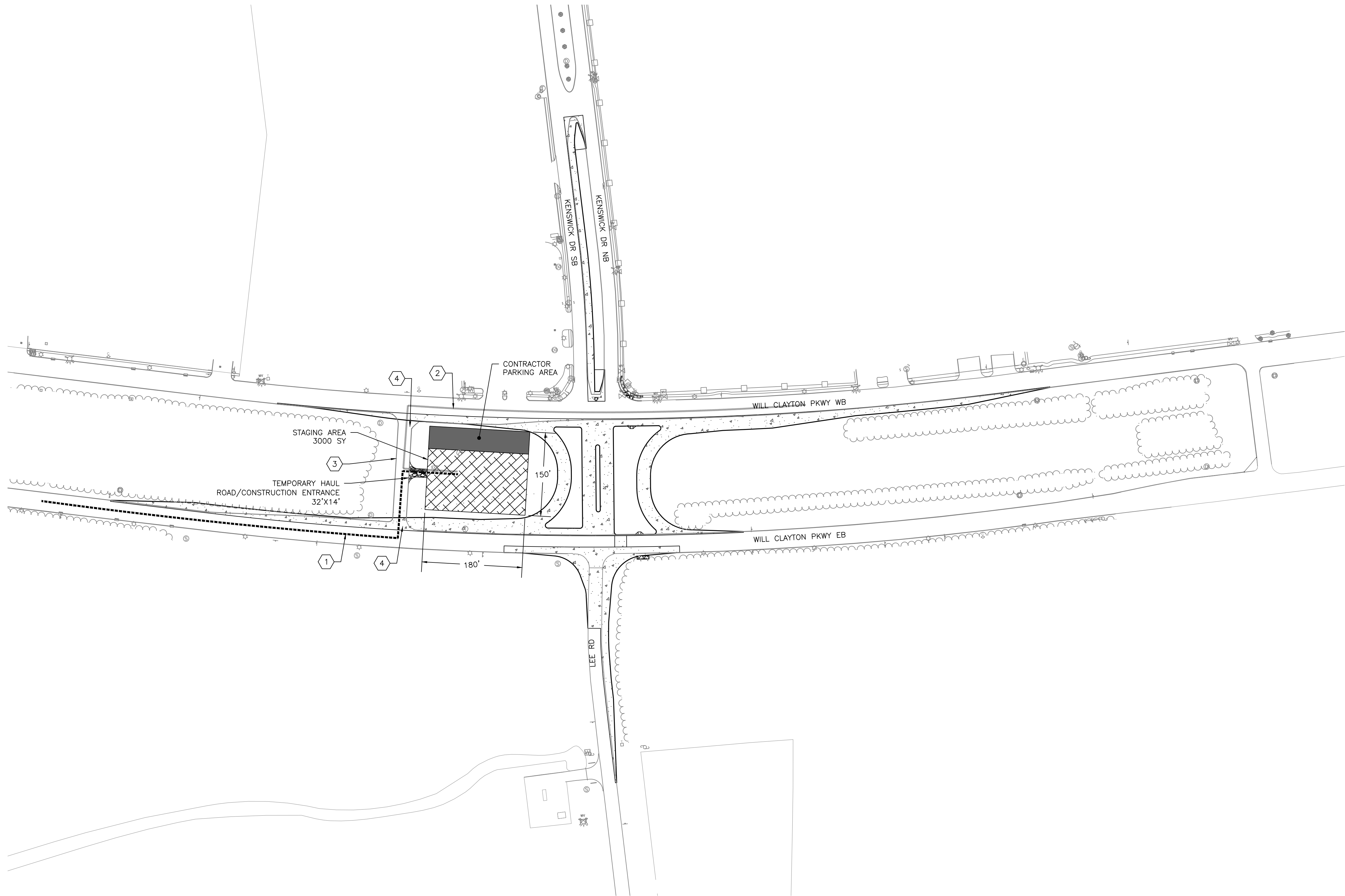
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.

C.I.P. NO.

H.A.S. NO.
935
SHEET NO.

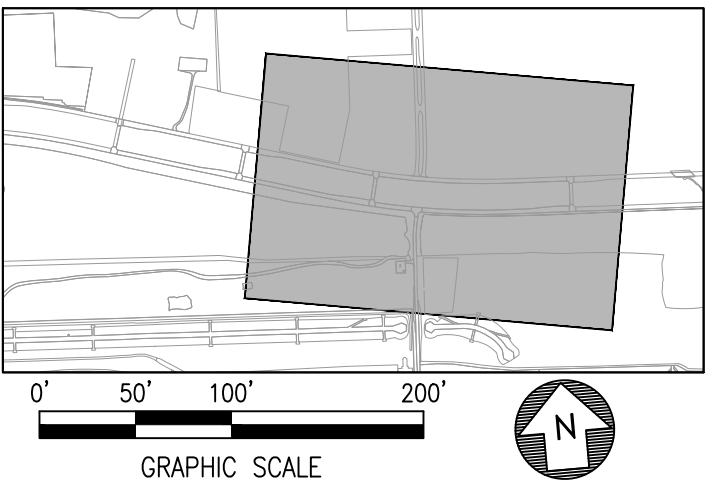
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PLOT DATE:2024-04-19



LEGEND	
	STAGING AREA
	TEMPORARY HAUL ROAD
	PRIMARY ACCESS ROUTE
	SECONDARY ACCESS ROUTE

- | NOTES | |
|-------|---|
| 1. | CONTRACTOR SHALL RESTORE STAGING AREA AND HAUL ROUTE PRIOR TO DEMOBILIZING. REMOVE ANY INSTALLED AGGREGATE PLATFORMS AND/OR SCARIFY STABILIZED AREAS PRIOR TO INSTALLATION OF EMBANKMENT MATERIALS AND GRADING. TOP SOIL AND PERMANENTLY SEED AREA. |
| 2. | WILL CLAYTON WEST BOUND PEAK TRAFFIC FROM 8:00AM – 9:00AM. |
| 3. | MATERIALS AND EQUIPMENT DELIVERIES ARE RESTRICTED DURING WEEKDAYS FROM 7:00AM – 9:00AM AND 4:00PM – 6:00PM UNLESS DELIVERED DIRECTLY TO THE STAGING YARD VIA ACCESS ON THE CLOSED TURN AROUND ROAD. |

- | KEY NOTES | |
|-----------|--|
| ① | PRIMARY ACCESS TO STAGING AREA SHALL BE VIA WILL CLAYTON PARKWAY EAST BOUND. |
| ② | SECONDARY ACCESS CAN BE VIA WILL CLAYTON PARKWAY WEST BOUND DURING NON-PEAK TRAFFIC TIMES. |
| ③ | DEMOLISH TURN THROUGH LANES PRIOR TO THE FINAL COMPLETION OF CONSTRUCTION. SEE DEMOLITION PLANS. |
| ④ | EXISTING TURN AROUND TO BE CLOSED TO THE PUBLIC FOR THE DURATION OF THE PROJECT. |



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

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920 MEMORIAL CITY WAY,
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HOUSTON, TX 77024
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ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION

SITE LAYOUT AND ACCESS PLAN

ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032

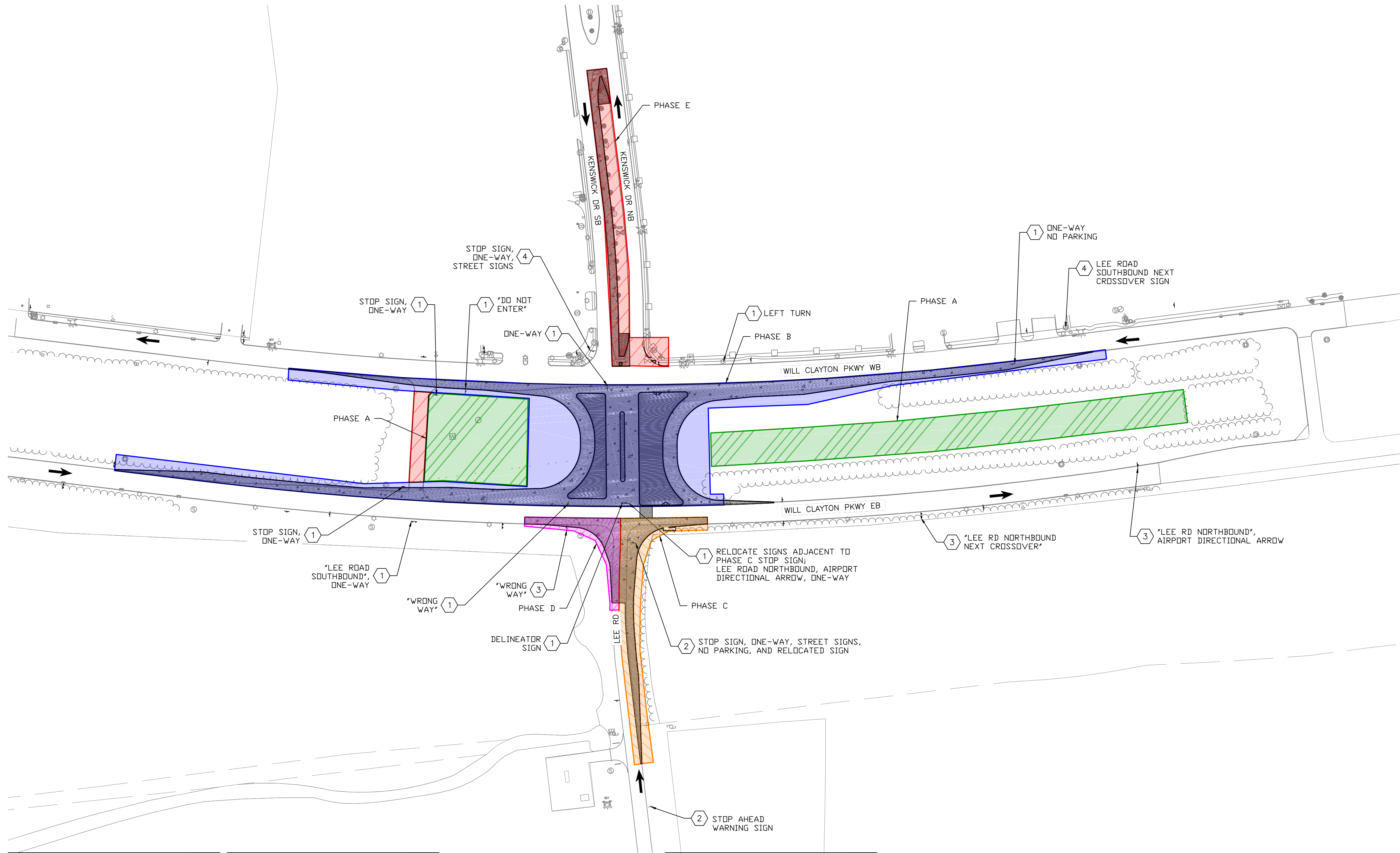
A.I.P. NO.

C.I.P. NO.

H.A.S. NO.
935

SHEET NO.

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PLOT DATE: 2024-04-19

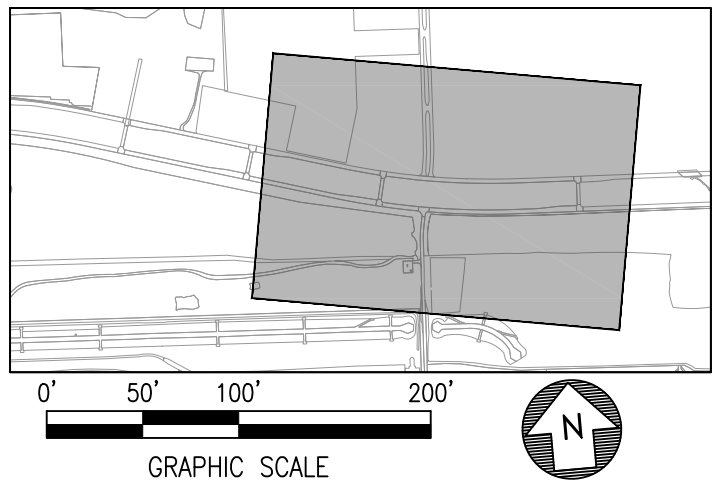


LEGEND	
	CONSTRUCTION PHASE A
	CONSTRUCTION PHASE B
	CONSTRUCTION PHASE C
	CONSTRUCTION PHASE D
	CONSTRUCTION PHASE E
	TRAFFIC DIRECTION

NOTES	
1.	SEE MAINTENANCE OF TRAFFIC DETAILS FOR GENERAL PHASING NOTES.
2.	SEE MAINTENANCE OF TRAFFIC DETAILS FOR TAPERS AND BARRICADE LAYOUT FOR WORK ZONE ADJACENT TO AND WITHIN THE RIGHT-OF-WAY OR ROADWAY.
3.	SEE DEMOLITION PLANS FOR EXISTING SIGN REMOVAL LOCATIONS.

4. CONTRACTOR SHALL REFER TO THE PROJECT MANUAL VOL. 2 FOR ADDITIONAL INFORMATION RELATING TO SAFETY, CONSTRUCTION PHASING AND WORKING PERIODS.
5. THE PHASING PLAN SHOWN HEREIN IS A SUGGESTED METHOD FOR ACCOMPLISHING WORK. THE CONTRACTOR SHALL DEVELOP AND SUBMIT A TRAFFIC CONTROL PLAN TO HAS FOR REVIEW AND APPROVAL PRIOR TO THE START OF CONSTRUCTION (PHASE 0). TRAFFIC CONTROL PLAN SHALL BE SIGNED AND SEALED BY LICENSED TEXAS PE. THE CONTRACTOR MAY MODIFY OR DEVIATE FROM THE PHASING PLAN AS SHOWN.

KEY NOTES	
	REMOVE AND SALVAGE SIGN AT THE START OF PHASE B
	REMOVE AND SALVAGE SIGN AT THE START OF PHASE C
	REMOVE AND SALVAGE SIGN AT THE START OF PHASE D
	REMOVE AND SALVAGE SIGN AT THE START OF PHASE E



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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#F-000474
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REVISIONS		
NO.	DESCRIPTION	DATE BY

STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

APPROVED BY:
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
CONSTRUCTION SAFETY PHASING
PLANS
ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

APPROVED BY:
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
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H.A.S. NO.
935
SHEET NO.

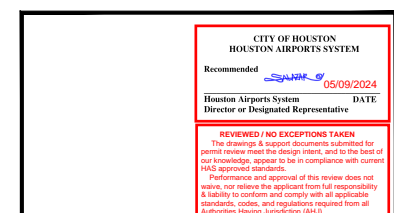
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REVISIONS

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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH) KENSWICK DRIVE EXTENSION MAINTENANCE OF TRAFFIC NOTES AND DETAILS ISSUED FOR PERMIT

PROJECT MGR: MES

DESIGNER: ALR

DRAWN BY: ALR

CHECK BY: PMW

SCALE:

DATE: 05/08/2024



APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.

100072032

A.I.P. NO.

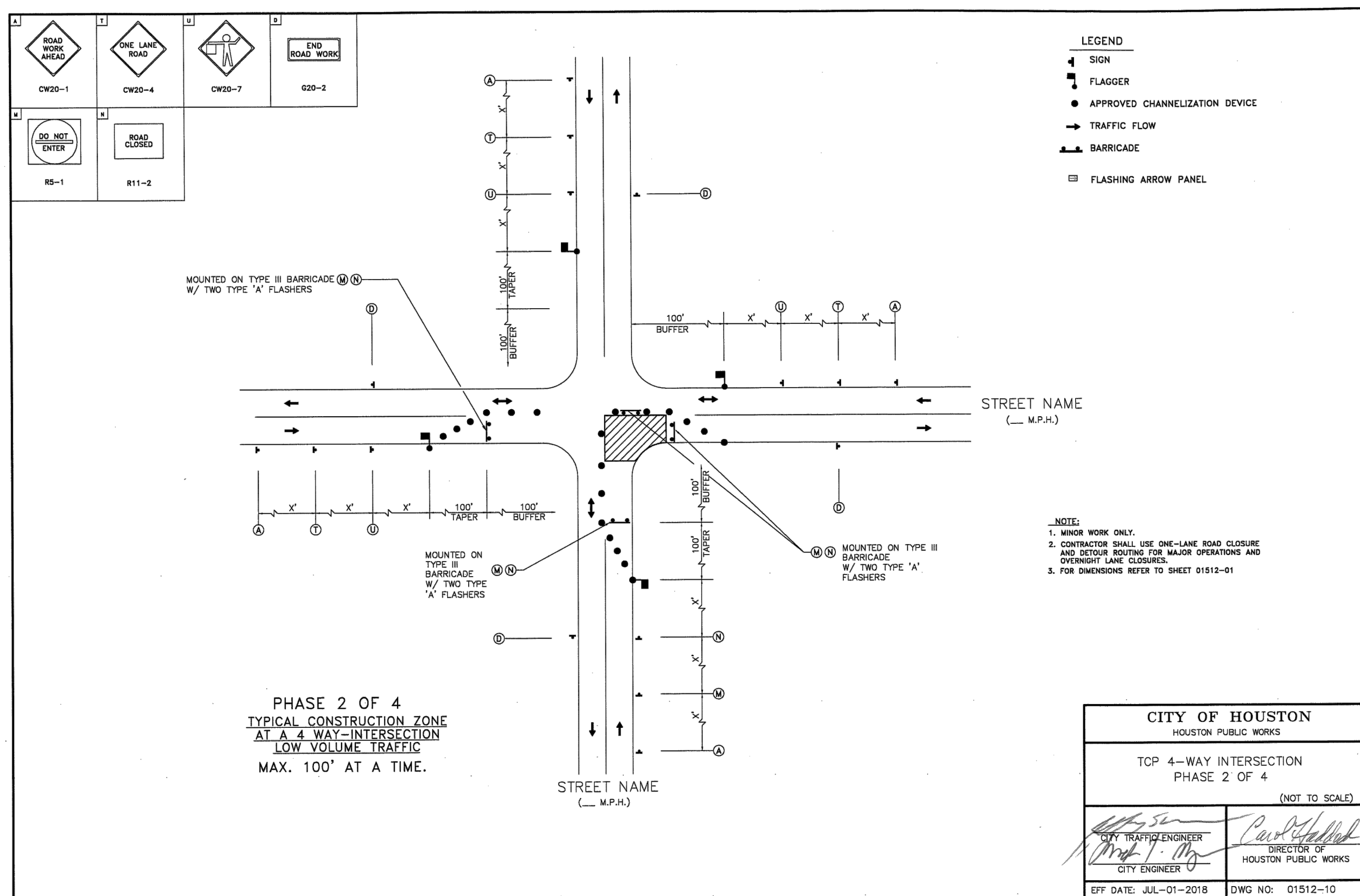
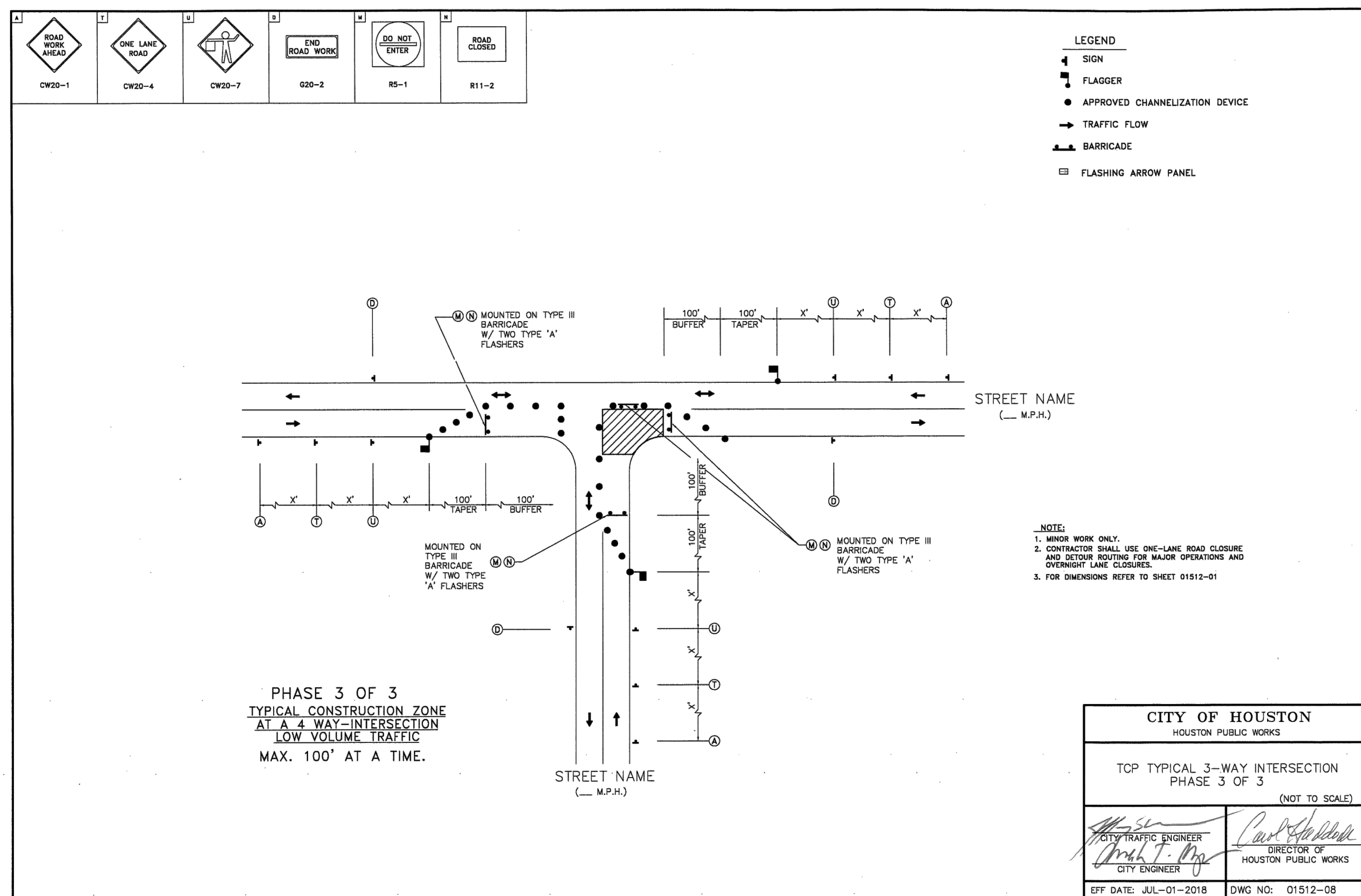
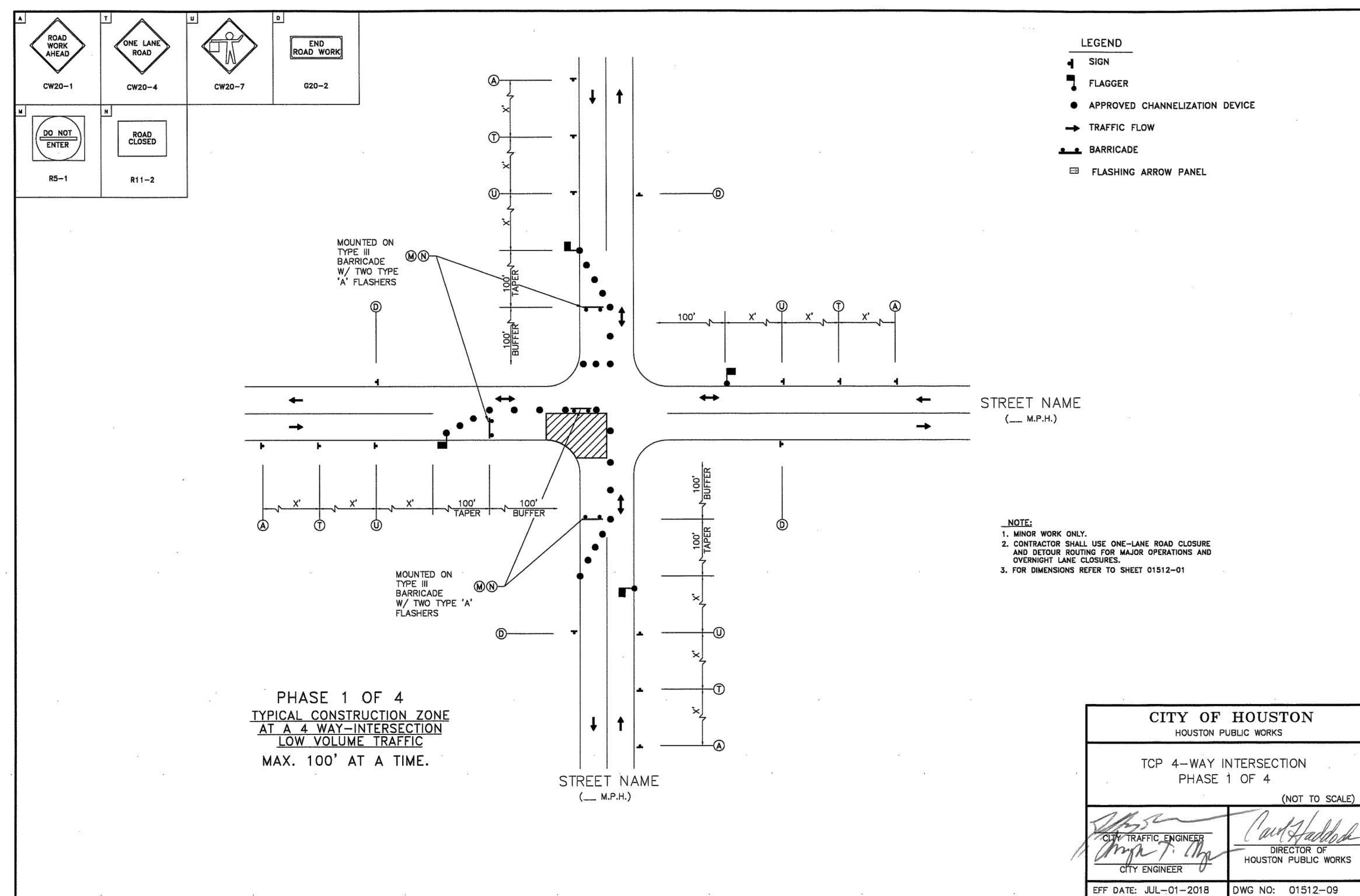
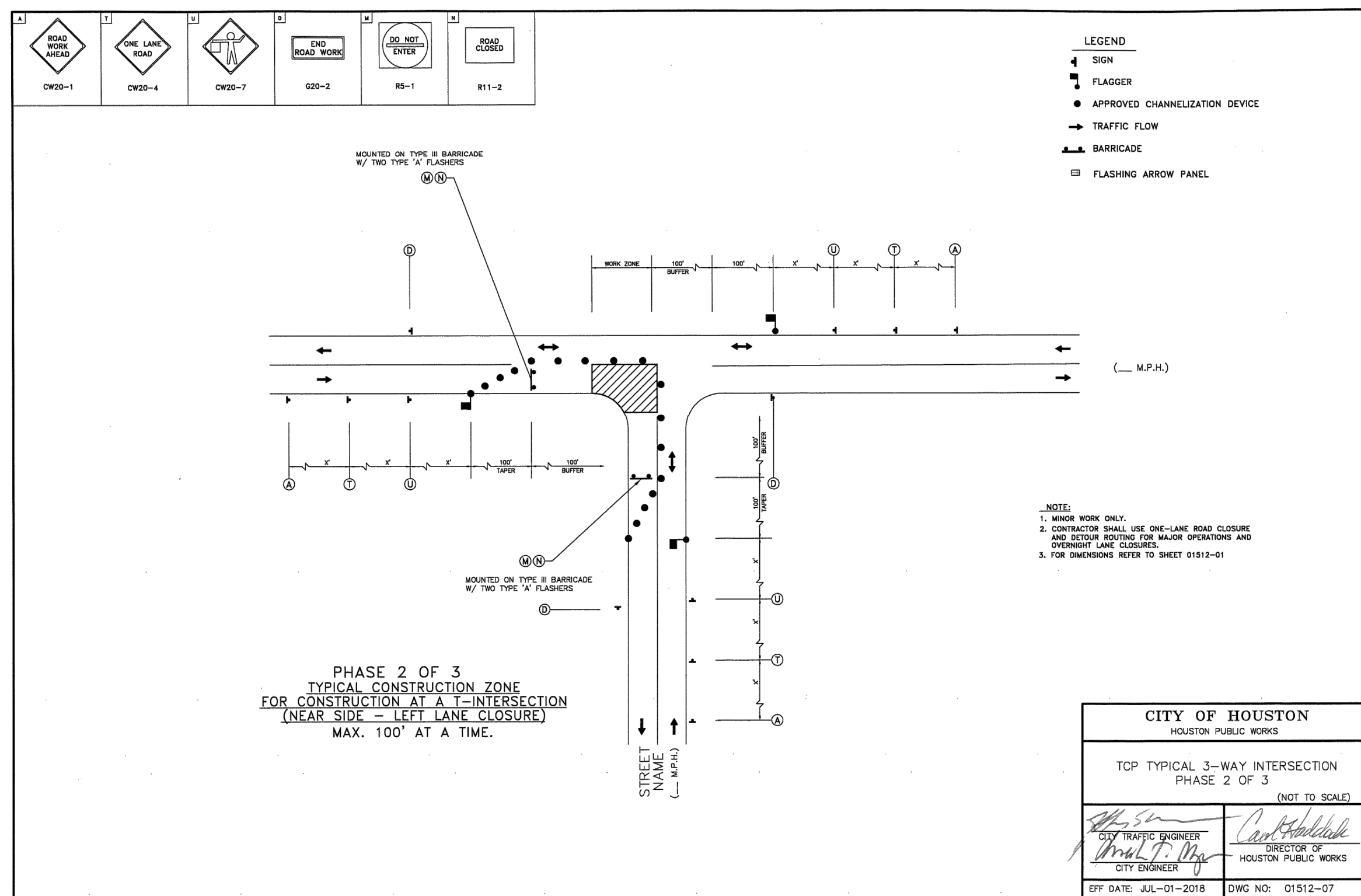
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H.A.S. NO.

935

SHEET NO.

G-009



REVISIONS

NO.	DESCRIPTION	DATE	BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION

MAINTENANCE OF TRAFFIC

NOTES AND DETAILS

ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

STATE OF TEXAS

MEGHAN E. SHEEHAN

144857

PROFESSIONAL ENGINEER

05/08/2024

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

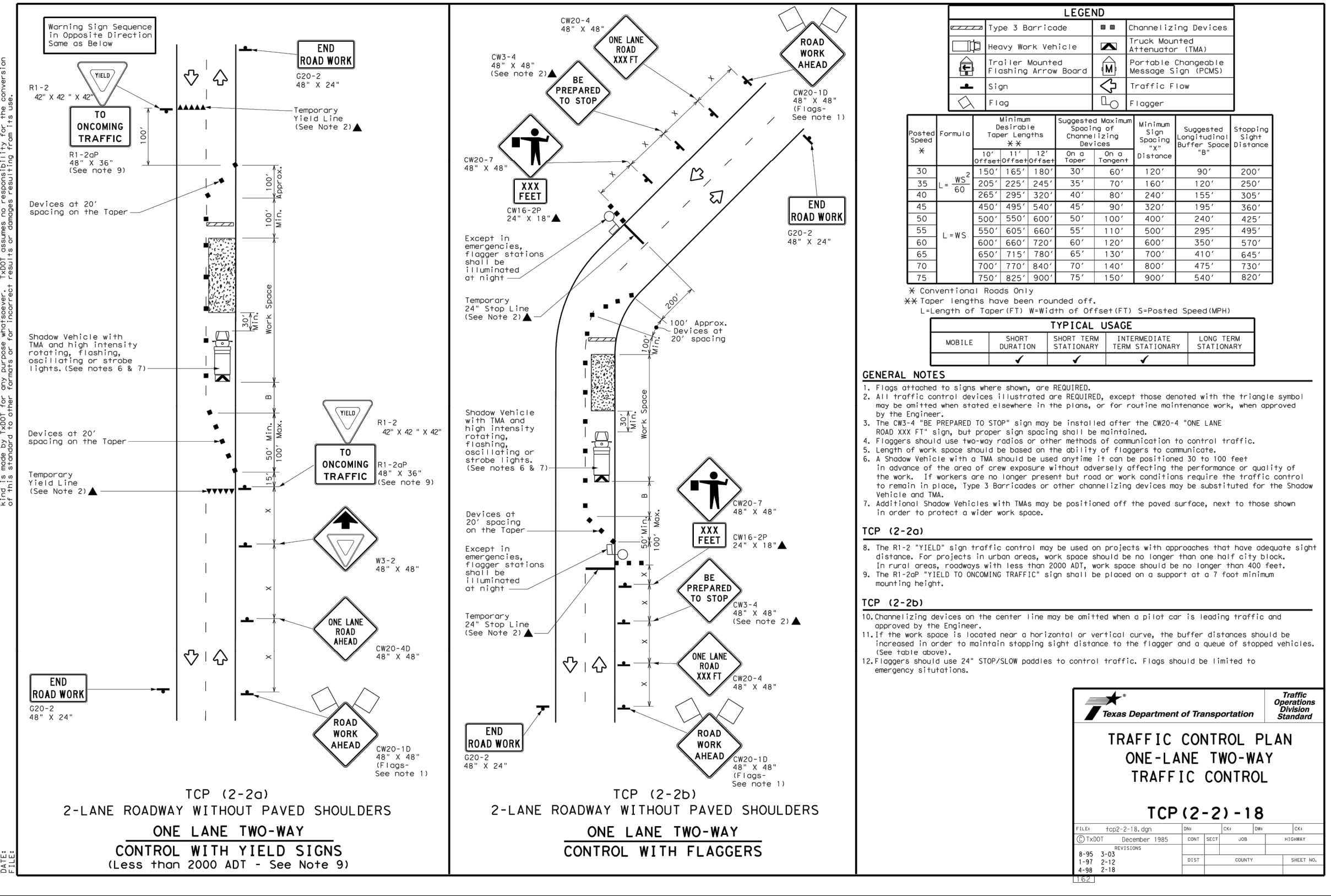
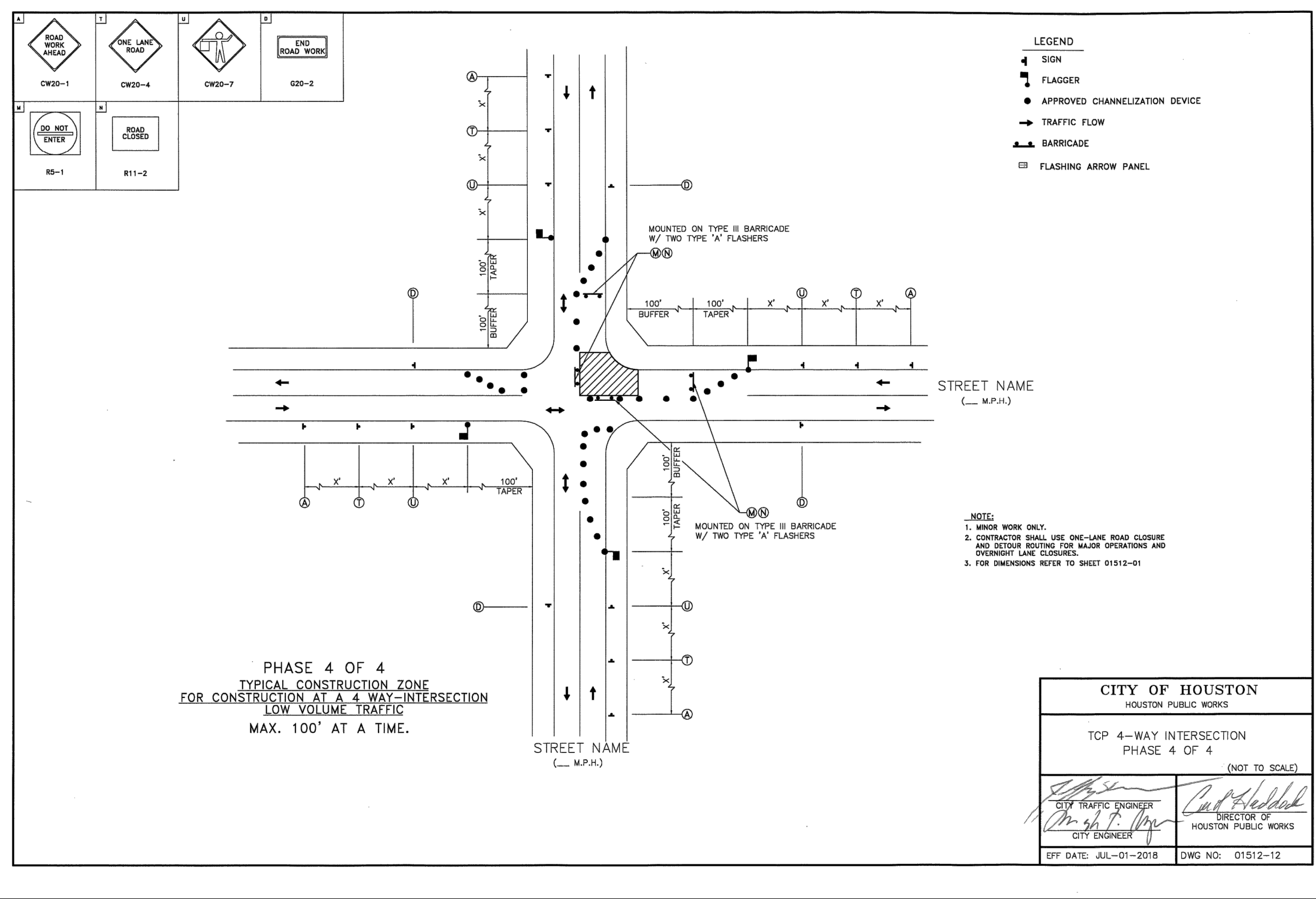
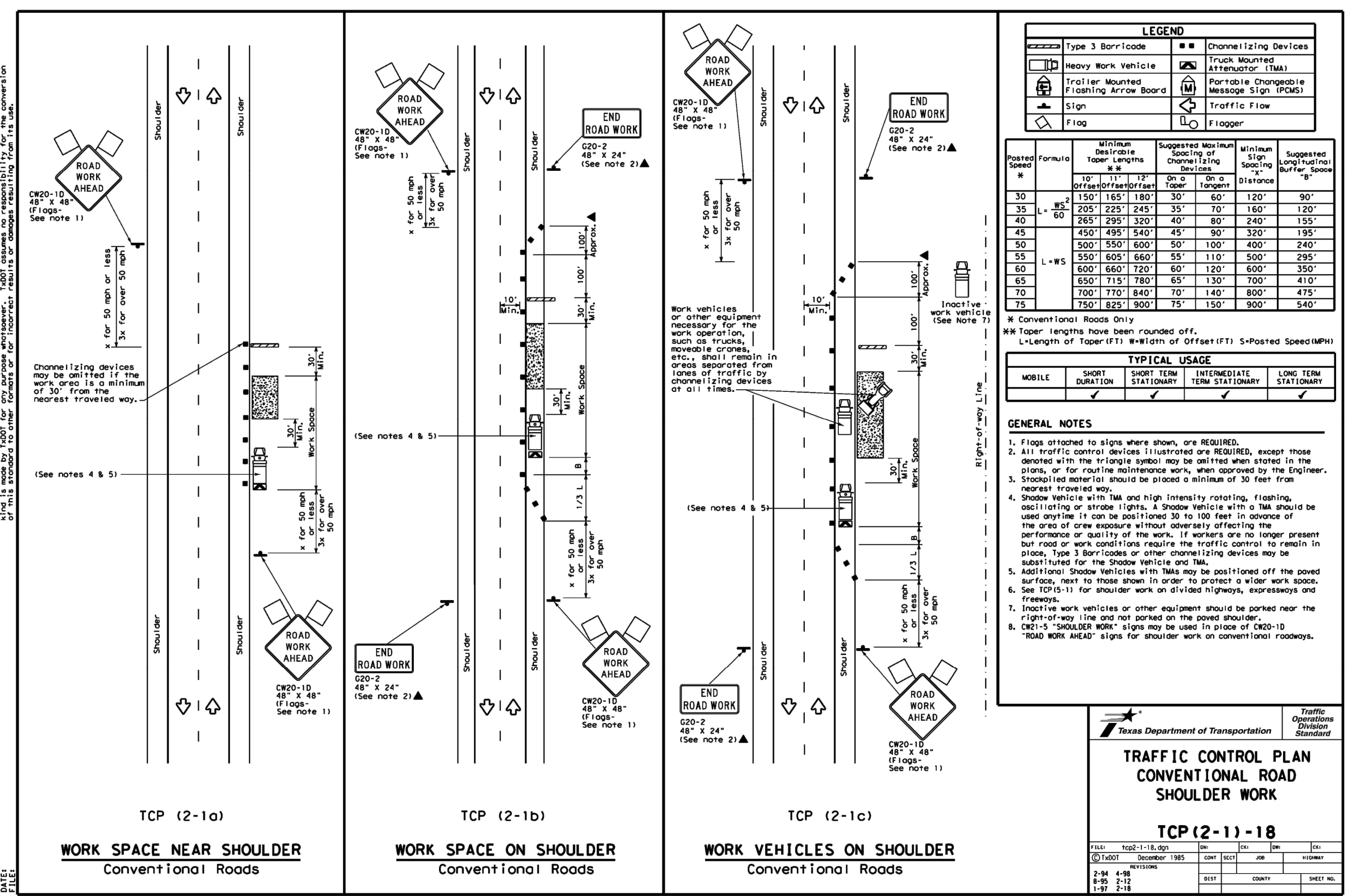
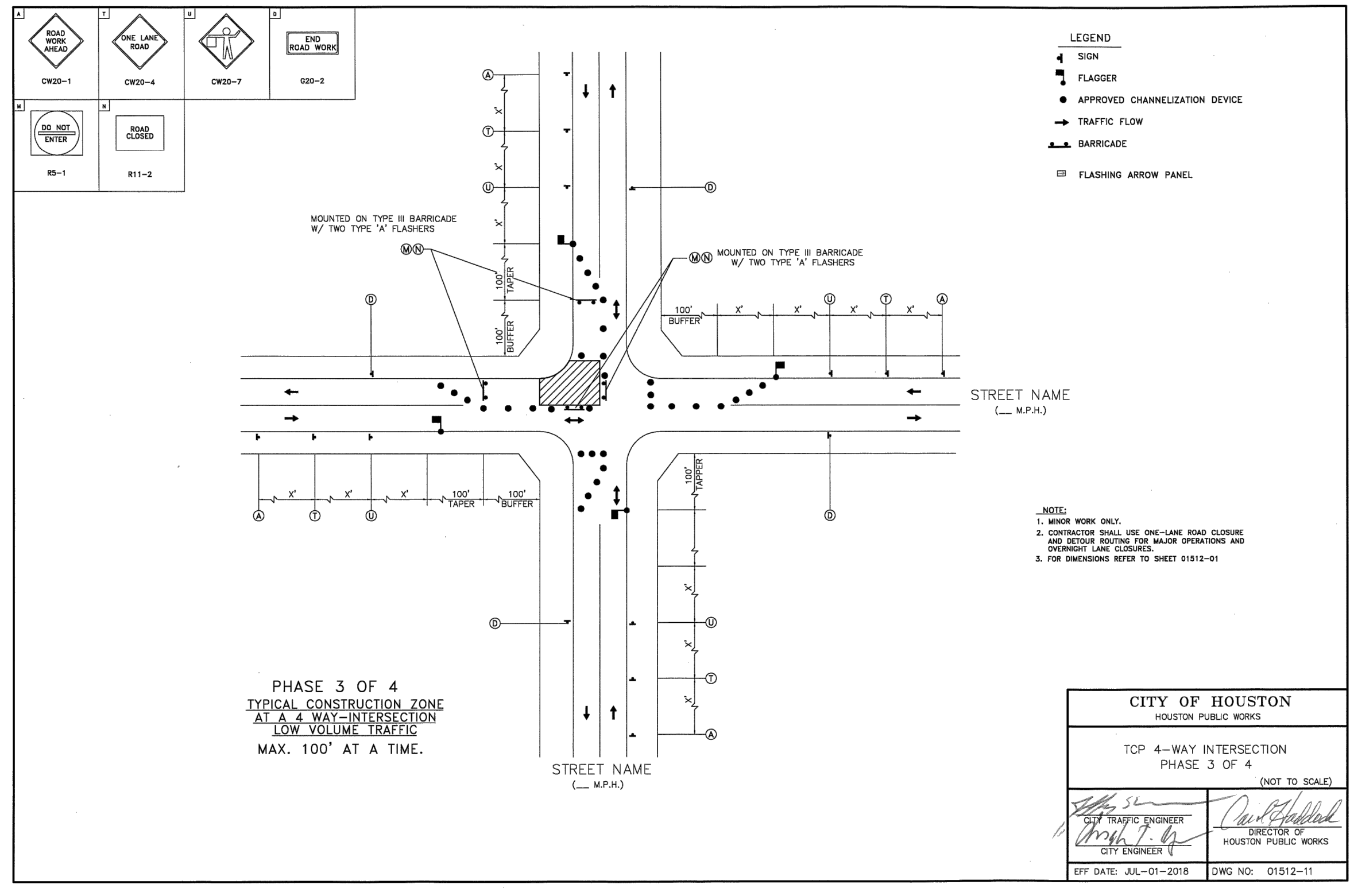
PROJECT NO.
100072032

A.I.P. NO.

C.I.P. NO.

H.A.S. NO.
935

SHEET NO.



SECURITY REQUIREMENTS

1. GENERAL INTENT: IT IS INTENDED THAT THE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE AIRPORT SECURITY PLAN (PROVIDED IN THE PROJECT MANUAL DOCUMENTS, VOLUME 2) AND WITH THE SECURITY REQUIREMENTS SPECIFIED HEREIN BY HOUSTON AIRPORT SYSTEM (HAS) OPERATIONS. THE CONTRACTOR SHALL DESIGNATE TO THE ENGINEER AND AIRPORT OPERATIONS, IN WRITING, THE NAME OF HIS "CONTRACTOR SECURITY AND SAFETY OFFICER (CSSO)." THE CSSO SHALL REPRESENT THE CONTRACTOR ON THE SECURITY REQUIREMENTS FOR THE CONTRACT.

2. CONTRACTOR PERSONNEL SECURITY ORIENTATION: THE CSSO SHALL BE RESPONSIBLE FOR BRIEFING ALL CONTRACTOR PERSONNEL ON SECURITY REQUIREMENTS. ALL CONTRACTOR EMPLOYEES SHALL BE BRIEFED ON SECURITY REQUIREMENTS PRIOR TO WORKING IN THE CONSTRUCTION AREA.

3. ACCESS TO THE SITE: CONTRACTOR'S ACCESS TO THE SITE SHALL BE AS SHOWN ON THE PLANS. NO OTHER ACCESS POINTS SHALL BE ALLOWED UNLESS APPROVED BY HAS OPERATIONS. ALL CONTRACTOR TRAFFIC AUTHORIZED TO ENTER THE SITE SHALL BE EXPERIENCED IN THE ROUTE OR GUIDED BY CONTRACTOR PERSONNEL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRAFFIC CONTROL TO AND FROM AREAS ON THE SITE. A CONTRACTOR'S FLAGMAN OR TRAFFIC CONTROL PERSON SHALL MONITOR AND COORDINATE ALL THE ENTRANCE TO THE SITE. THE CONTRACTOR SHALL NOT PERMIT ANY UNAUTHORIZED CONSTRUCTION PERSONNEL OR TRAFFIC ON THE SITE. THE CONTRACTOR IS RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF ANY DEBRIS DEPOSITED ALONG THE ACCESS ROUTE AS A RESULT OF HIS CONSTRUCTION TRAFFIC. DIRECTIONAL SIGNING FROM THE SITE ENTRANCE ALONG THE DELIVERY ROUTE TO THE STORAGE AREA, PLANT SITE OR WORK SITE IS THE CONTRACTOR'S RESPONSIBILITY.

4. MATERIALS DELIVERY TO THE SITE: ALL CONTRACTOR'S MATERIAL ORDERS FOR DELIVERY TO THE WORK SITE WILL USE A DELIVERY ADDRESS, THE STREET NAME ASSIGNED TO THE ACCESS POINT AT THE CONTRACTOR'S STAGING SITE. THE NAME "GEORGE BUSH INTERCONTINENTAL AIRPORT" SHALL NOT BE USED IN THE DELIVERY ADDRESS AT ANY TIME. HAS WILL NOT BE RESPONSIBLE FOR ACCEPTING OR DIRECTING CONTRACTOR MATERIAL DELIVERIES. CONSTRUCTION ACCESS SHALL BE ONLY VIA DESIGNATED ROUTING AND LOCATIONS.

5. CONSTRUCTION AREA LIMITS: FOR THE LIMITS OF CONSTRUCTION, THE CONTRACTOR SHALL ERECT AND MAINTAIN AROUND THE PERIMETER OF THESE AREAS, SUITABLE FENCING, MARKING AND/OR WARNING DEVICES VISIBLE FOR DAY/NIGHT USE. TEMPORARY BARRICADES, FLAGGING, AND FLASHING WARNING LIGHTS, WILL BE REQUIRED AT CRITICAL ACCESS POINTS. TYPE OF MARKING AND WARNING DEVICES SHALL BE APPROVED BY AIRPORT OPERATIONS.

AIRPORT SAFETY REQUIREMENTS

1. THE CONTRACTOR SHALL CONDUCT THE CONSTRUCTION ACTIVITIES TO CONFORM TO ALL ROUTINE EMERGENCY PROCEDURES AND SAFETY REQUIREMENTS OUTLINED IN THE PROJECT MANUAL DOCUMENTS, VOLUME 2.

2. STOCKPILE EROSION AND DUST CONTROL – STOCKPILED MATERIAL AND OPEN EXCAVATIONS SHALL BE TREATED IN SUCH A MANNER AS TO PREVENT MOVEMENT OF MATERIALS RESULTING FROM WIND.

3. PRIOR TO OPENING FOR PUBLIC USE, THE AIRPORT WILL ARRANGE FOR INSPECTION BY HAS OPERATIONS OF ANY PAVEMENT THAT HAS BEEN CLOSED FOR WORK, OR THAT HAS BEEN USED FOR A CROSSING POINT OR HAUL ROUTE BY THE CONTRACTOR. THIS AREA MUST COMPLY WITH THE SAFETY REQUIREMENTS, AND BE REVIEWED BY THE DESIGNATED OPERATION'S INSPECTOR, BEFORE PERMISSION FOR THE CONTRACTOR'S WORK CREWS TO DEPART WILL BE GRANTED.

4. THE CONTRACTOR SHALL SUBMIT A DESTRUCTIVE/INCLEMENT WEATHER PLAN TO SET FORTH GENERAL GUIDANCE AND INFORMATION FOR THE CONTRACTOR TO COORDINATE PREPAREDNESS PLANS WHEN DESTRUCTIVE WEATHER THREATENS THE IAH AIRPORT ENVIRONMENT.

5. MATERIALS STORED OR STOCKPILED ON THE SITE SHALL BE SO PLACED, AND THE WORK SHALL, AT ALL TIMES, BE SO CONDUCTED AS TO CAUSE NO GREATER OBSTRUCTION TO EXISTING TRAFFIC THAN IS CONSIDERED NECESSARY. ANY IMPACTS TO EXISTING TRAFFIC PATTERNS SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE PRIOR TO SCHEDULING AND IMPLEMENTING A TRAFFIC PLAN.

6. THE CONTRACTOR SHALL CONFINE HIS/HER PERSONNEL, EQUIPMENT, AND OPERATIONS, TO THE AREA WITHIN THE DEFINED WORK LIMITS SHOWN ON THE PLANS.

7. THE CONTRACTOR SHALL INFORM ALL CONSTRUCTION PERSONNEL AS TO THE PROPER ROUTES, SPEEDS, AND PROCEDURES, FOR TRANSPORTING EQUIPMENT AND MATERIALS TO THE CONSTRUCTION SITE.

8. MEASURES SHALL BE ADOPTED TO PREVENT POTENTIAL POLLUTANTS FROM ENTERING ANY DRAINAGE SYSTEM OR WATERWAY. MATERIALS AND DEBRIS SHALL NOT BE STORED IN THE WORK AREA IN A MANNER THAT WOULD ALLOW THEM TO ENTER THE DRAINAGE SYSTEM AS A RESULT OF SPILLAGE, NATURAL RUNOFF, OR FLOODING. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO IMMEDIATELY NOTIFY THE HAS REPRESENTATIVE SHOULD THERE BE A SPILLAGE OF MATERIAL WHICH MIGHT CONTAMINATE THE DRAINAGE SYSTEM. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO REMOVE AND CLEAR UP SUCH SPILLAGE IN A MANNER ACCEPTABLE TO THE HAS REPRESENTATIVE. MATERIAL SHALL BE SECURED SO THAT IT WILL NOT BE BLOWN BY THE WIND ONTO THE ADJACENT ROADWAYS.

9. SPECIAL ATTENTION TO DUST CONTROL WILL BE REQUIRED WHEN EARTHWORK OR HAULING OPERATIONS ARE IN PROGRESS OR WHEN WIND AND WEATHER CONDITIONS CAUSE EXCESSIVE BLOWING OF DUST. IN THIS REGARD, THE CONTRACTOR SHALL APPLY WATER TO THE AFFECTED SITES AS DIRECTED.

10. THE CONTRACTOR SHALL SUBMIT A SAFETY AND SECURITY PLAN TO THE HAS PROJECT MANAGER FOR REVIEW AND APPROVAL BY THE AIRPORT PRIOR TO CONSTRUCTION COMMENCING.

11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SEE THAT ALL SHEETING, SHORING, AND BRACING IS DONE IN ACCORDANCE WITH CURRENT O.S.H.A REGULATIONS AND REQUIREMENTS. SHEETING, SHORING, AND BRACING (EXCEPT TRENCH SAFETY), IS CONSIDERED TO BE AN INCIDENTAL PART OF THE WORK AND NO SEPARATE PAYMENT WILL BE ALLOWED.

UTILITY NOTES

1. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES INVOLVED, A MINIMUM OF 72 HOURS IN ADVANCE OF ANY EXCAVATION OR BORINGS, TO HAVE THEIR UTILITIES LOCATED AND MARKED IN THE FIELD.

A. THE CONTRACTOR SHALL CONTACT TEXAS ONE CALL 1-800-344-8377 (TEXAS 811) AND THE FOLLOWING LOCAL UTILITY OWNERS (LIST NOT INCLUSIVE OF ALL POTENTIAL UTILITY OWNERS) TO VERIFY ALL UNDERGROUND UTILITY LOCATIONS IN THE VICINITY OF THE PROPOSED WORK:

CABLE OWNER	CONTACT PERSON	PHONE NUMBER
HOUSTON AIRPORT SYSTEM	OPERATIONS	281-233-3000
CENTERPOINT ENERGY	(SEE CENTERPOINT NOTES BELOW)	SYSTEM

B. ALL UNDERGROUND UTILITIES SHALL THEN BE LOCATED BY THE CONTRACTOR TO VERIFY LOCATION AND ELEVATION PRIOR TO COMMENCING CONSTRUCTION OPERATIONS.

C. THE CONTRACTOR SHALL COORDINATE WITH THE RESPECTIVE UTILITY OWNER IF A UTILITY INSPECTOR MUST BE ON SITE WHEN LOCATING OR EXCAVATING NEAR UTILITIES.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING UP HIS/HER OWN WATER SOURCES WITH THE CITY. ALL CONSTRUCTION WATER WILL BE METERED BY THE CITY-OWNED METERS AND ONLY THOSE METERS. THE CONTRACTOR WILL BE RESPONSIBLE FOR PAYING ALL RELATED FEES TO THE CITY.

3. THE CONTRACTOR SHALL TAKE ALL STEPS TO PROTECT ALL COMMERCIAL AND AIRPORT UTILITIES DURING CONSTRUCTION IN ORDER TO ENSURE CONTINUOUS OPERATION WHEN NEEDED. THE CONTRACTOR SHALL, AT HIS/HER OWN EXPENSE, MAINTAIN IN PROPER WORKING ORDER AND WITHOUT INTERRUPTION OF SERVICE ALL EXISTING UTILITIES AND SERVICES WHICH MAY BE ENCOUNTERED IN THE WORK. WITH THE CONSENT OF THE OWNER' REPRESENTATIVE, ENGINEER, AND/OR UTILITY OWNER, AS APPROPRIATE, SUCH SERVICE CONNECTIONS MAY BE TEMPORARILY INTERRUPTED TO PERMIT THE CONTRACTOR TO REMOVE DESIGNATED LINES OR TO MAKE TEMPORARY CHANGES IN THE LOCATIONS OF SERVICES. THE COST OF MAKING CHANGES SHALL BE AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS.

4. ALL UTILITIES DAMAGED BY CONTRACTOR'S OPERATIONS SHALL BE REPAIRED EXPEDITIOUSLY AT NO ADDITIONAL EXPENSE TO THE OWNER.

5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING INSPECTIONS, AS NECESSARY, OF ANY UTILITY WORK BY THE UTILITY OWNER THROUGHOUT THE PROJECT. THIS SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS OF THE PROJECT.
-
- ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-9500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM
- | REVISIONS | | |
|-----------|-------------|---------|
| NO. | DESCRIPTION | DATE BY |
| | | |
| | | |
| | | |
| | | |
- STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
EXPIRATION DATE 08/01/2025
ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
SAFETY, SECURITY AND UTILITY NOTES

ISSUED FOR PERMIT
-
- APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032

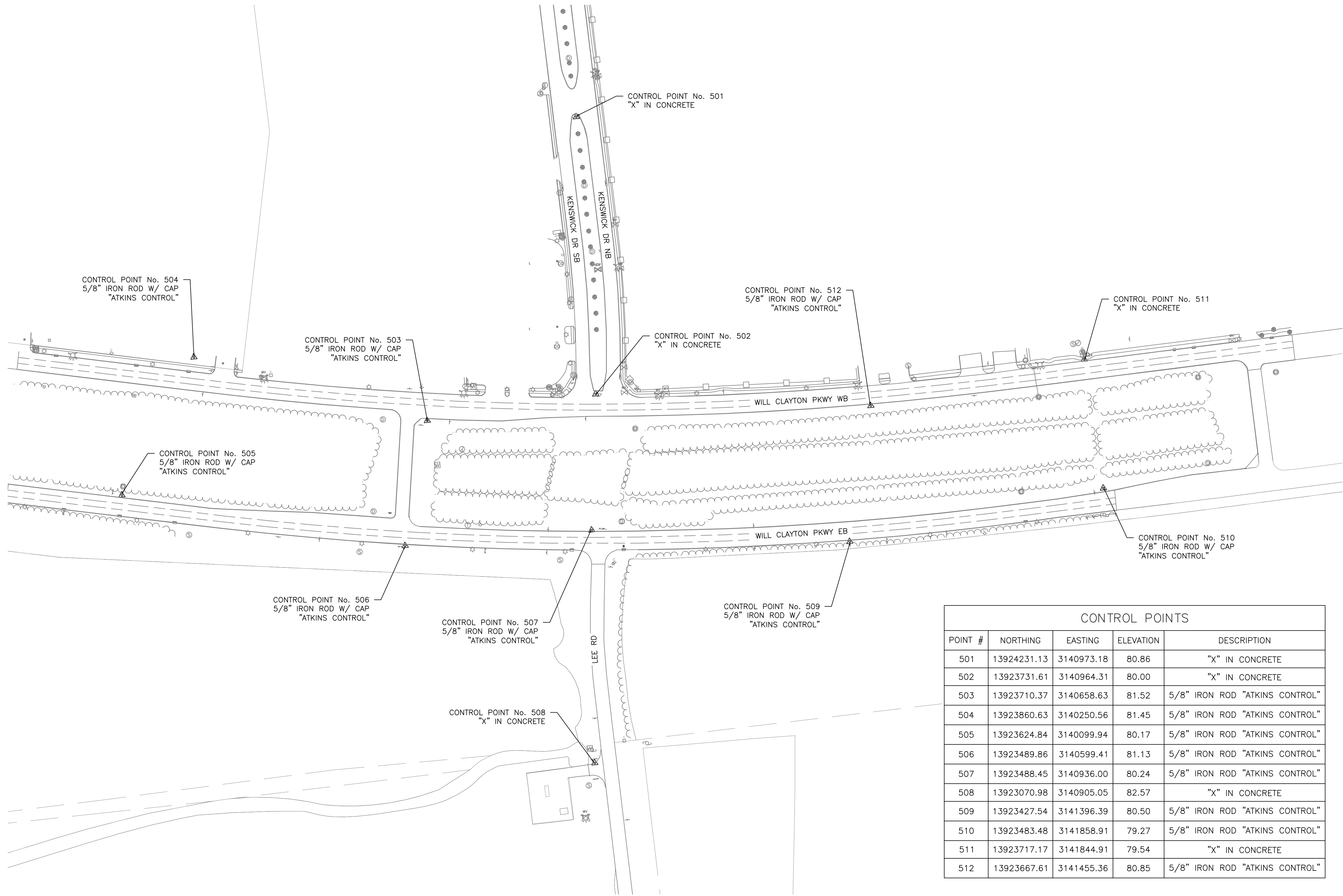
A.I.P. NO.

C.I.P. NO.

H.A.S. NO.
935

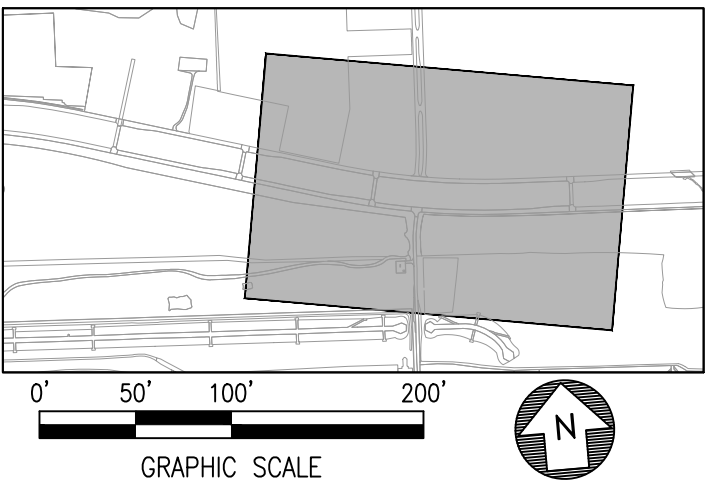
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PLOT DATE: 2024-04-19

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PLOT DATE: 2024-04-19



NOTES

SURVEY PROVIDED BY ATKINS AND COMPLETED ON NOVEMBER 10, 2020. HORIZONTAL DATUM IS BASED ON NAD83 (GRID) / TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE. VERTICAL DATUM IS BASED ON NAVD 88.






HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX



LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSICK DRIVE EXTENSION
SURVEY CONTROL PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. _____
100072032

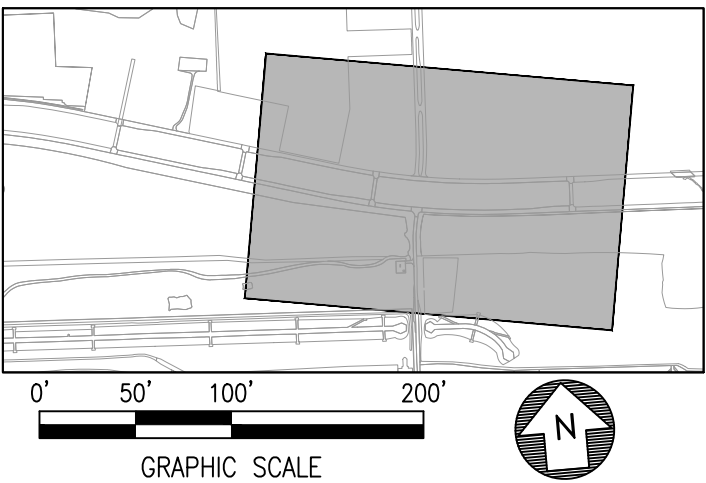
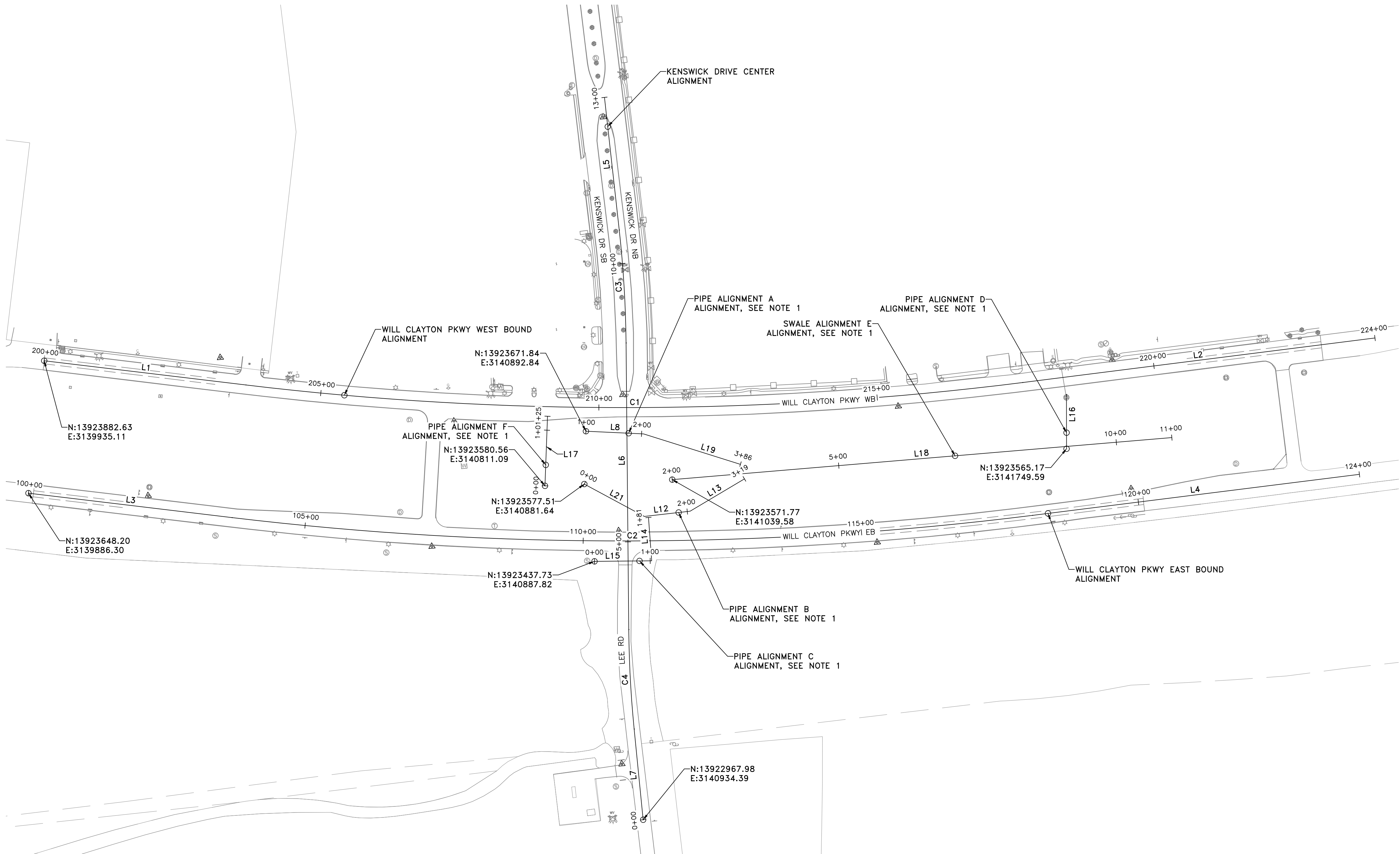
A.I.P. NO. _____

C.I.P. NO. _____

H.A.S. NO. _____
935

SHEET NO. _____

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PLOT DATE: 2024-04-19



ALIGNMENT TABLE				
NUMBER	LENGTH	RADIUS	DIRECTION	ALIGNMENT NAME
C1	1398.05'	5700.00'		WILL CLAYTON PKWY WEST BOUND
C2	1440.51'	5900.00'		WILL CLAYTON PKWY EAST BOUND
C3	203.24'	2000.00'		KENSWICK DRIVE CENTER
C4	178.81'	2000.00'		KENSWICK DRIVE CENTER
L1	364.52'		S78° 09' 11.12"E	WILL CLAYTON PKWY WEST BOUND
L2	637.43'		N87° 47' 37.91"E	WILL CLAYTON PKWY WEST BOUND
L3	368.04'		S78° 09' 54.39"E	WILL CLAYTON PKWY EAST BOUND
L4	591.38'		N87° 50' 45.14"E	WILL CLAYTON PKWY EAST BOUND
L5	239.57'		N01° 21' 43.03"W	KENSWICK DRIVE CENTER
L6	514.64'		N04° 27' 37.59"E	KENSWICK DRIVE CENTER
L7	163.73'		N00° 39' 43.66"W	KENSWICK DRIVE CENTER
L8	103.65'		S82° 18' 44.08"E	ALIGNMENT A

ALIGNMENT TABLE				
NUMBER	LENGTH	RADIUS	DIRECTION	ALIGNMENT NAME
L12	82.68'		N88° 29' 24.69"E	ALIGNMENT B
L13	113.46'		N64° 13' 29.44"E	ALIGNMENT B
L14	78.04'		N00° 46' 08.13"E	ALIGNMENT C
L15	102.65'		S85° 32' 22.41"E	ALIGNMENT C
L16	97.55'		S04° 52' 30.20"W	ALIGNMENT D
L17	125.00'		N07° 05' 03.68"E	ALIGNMENT F
L18	900.00'		S89° 48' 30.82"E	ALIGNMENT E
L19	182.22'		S67° 32' 54.47"E	ALIGNMENT A
L21	122.48'		S56° 43' 00.28"E	ALIGNMENT B

NOTES:
1. SEE GRADING AND DRAINAGE SERIES CD-100 FOR GENERAL LOCATION AND STATION OFFSET INFORMATION FOR PIPE ALIGNMENTS / STRUCTURE LOCATIONS.

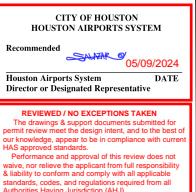


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX



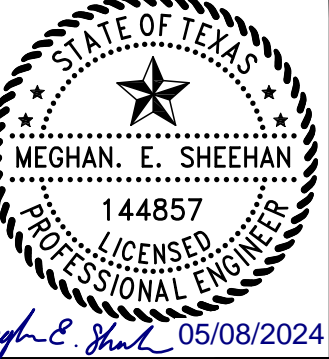
LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
ALIGNMENT CONTROL PLAN**
ISSUED FOR PERMIT

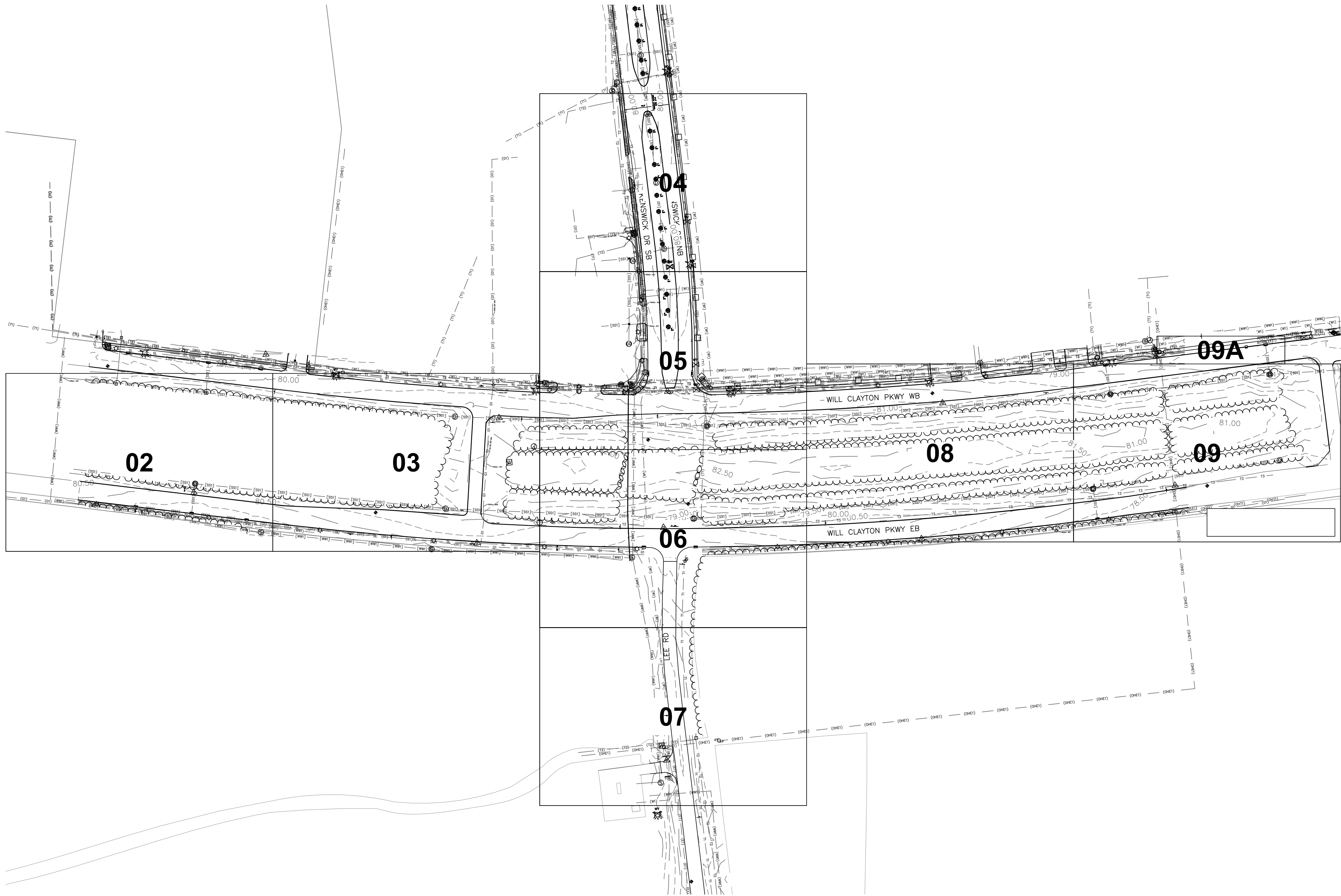
PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY: _____
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. _____
100072032
A.I.P. NO. _____
C.I.P. NO. _____
H.A.S. NO. _____
935
SHEET NO. _____

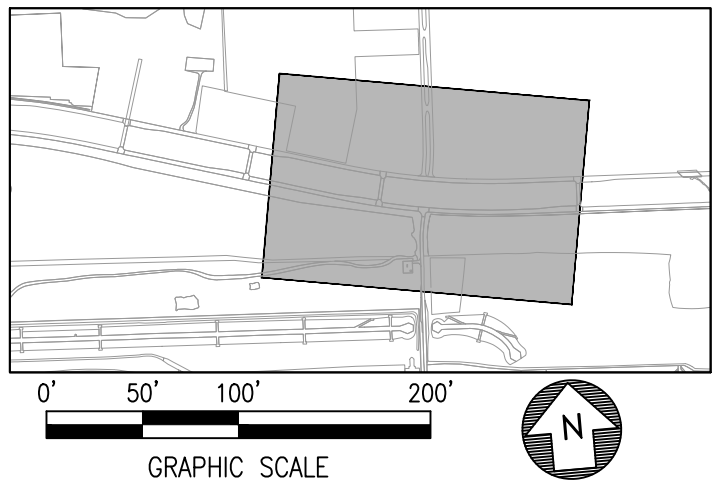
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PLOT DATE: 2024-04-19



LEGEND			
— (SS1) — (SS1) —	COH STORM SEWER	△	TRAVERSE POINT
— (WH1) — (WH1) —	COH WASTEWATER	⊕	TELECOM HANDHOLE
— (W1) — (W1) —	COH WATER	□	TELECOM PEDESTAL
— (E1) — (E1) —	CENTERPOINT ENERY GAS	⊙	TELECOM MARKER
— (E1) — (E1) —	CENTERPOINT ENERY ELECTRIC	⊙	TELECOM VAULT
— (OHE1) —	CENTERPOINT ENERY OVERHEAD ELECTRIC	⊙	GAS LINE MARKER
— SL — SL —	CENTERPOINT ENERY STREET LIGHT ELECTRIC	⊙	GAS VENT
— (T1) — (T1) —	CENTURYLINK COMMUNICATION	⊙	WATER VALVE
— (OHT1) —	CENTURYLINK OVERHEAD COMMUNICATION	⊙	WATER METER
— (T2) — (T2) —	COMCAST HOUSTON COMMUNICATION	⊙	FIRE HYDRANT
— 13 — 13 —	AT&T COMMUNICATION	⊙	IRRIGATION CONTROL VALVE
— 14 — 14 —	HAS COMMUNICATION	⊙	BACKFLOW PREVENTER
		⊙	LIGHT POLE
		⊙	POWER POLE
		⊙	GUY ANCHOR
		⊙	ELECTRIC MANHOLE
		⊙	ELECTRIC CONTROL BOX
		⊙	STORM MANHOLE
		⊙	SANITARY MANHOLE
		⊙	CLEAN OUT
		⊙	INLET
		⊙	DOUBLE POLE SIGN
		⊙	SINGLE POLE SIGN
		⊙	EDGE OF BRUSH
		⊙	BORING LOCATIONS

NOTES

SURVEY PROVIDED BY ATKINS AND COMPLETED ON NOVEMBER 10, 2020. HORIZONTAL DATUM IS BASED ON NAD83 (GRID) / TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE. VERTICAL DATUM IS BASED ON NAVD 88.



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION

OVERALL EXISTING CONDITIONS

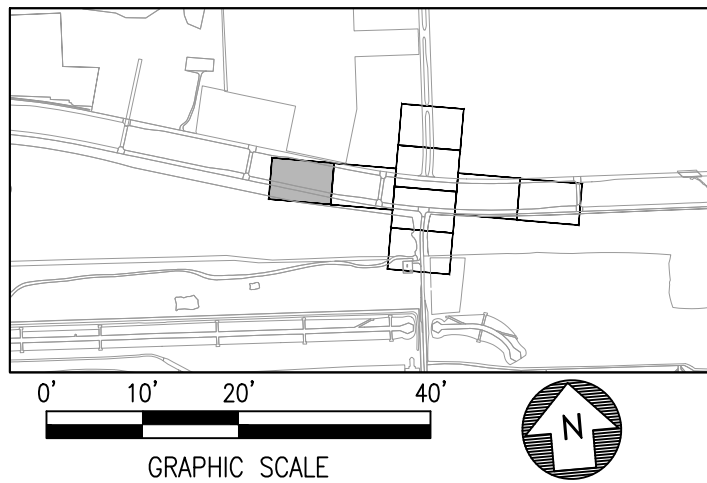
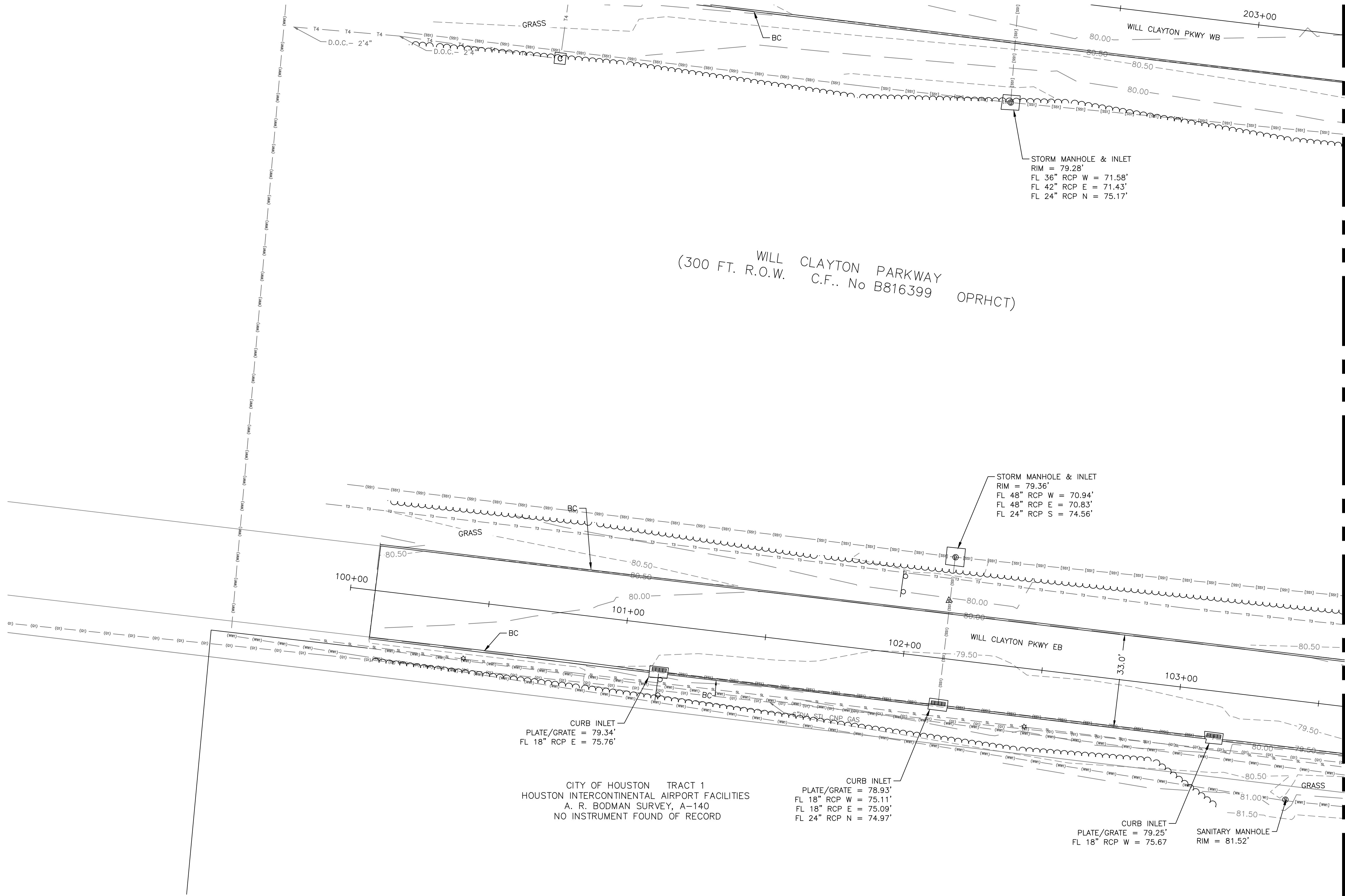
ISSUED FOR PERMIT

STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	



REVISIONS

NO.	DESCRIPTION	DATE	BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
EXISTING CONDITIONS

ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.

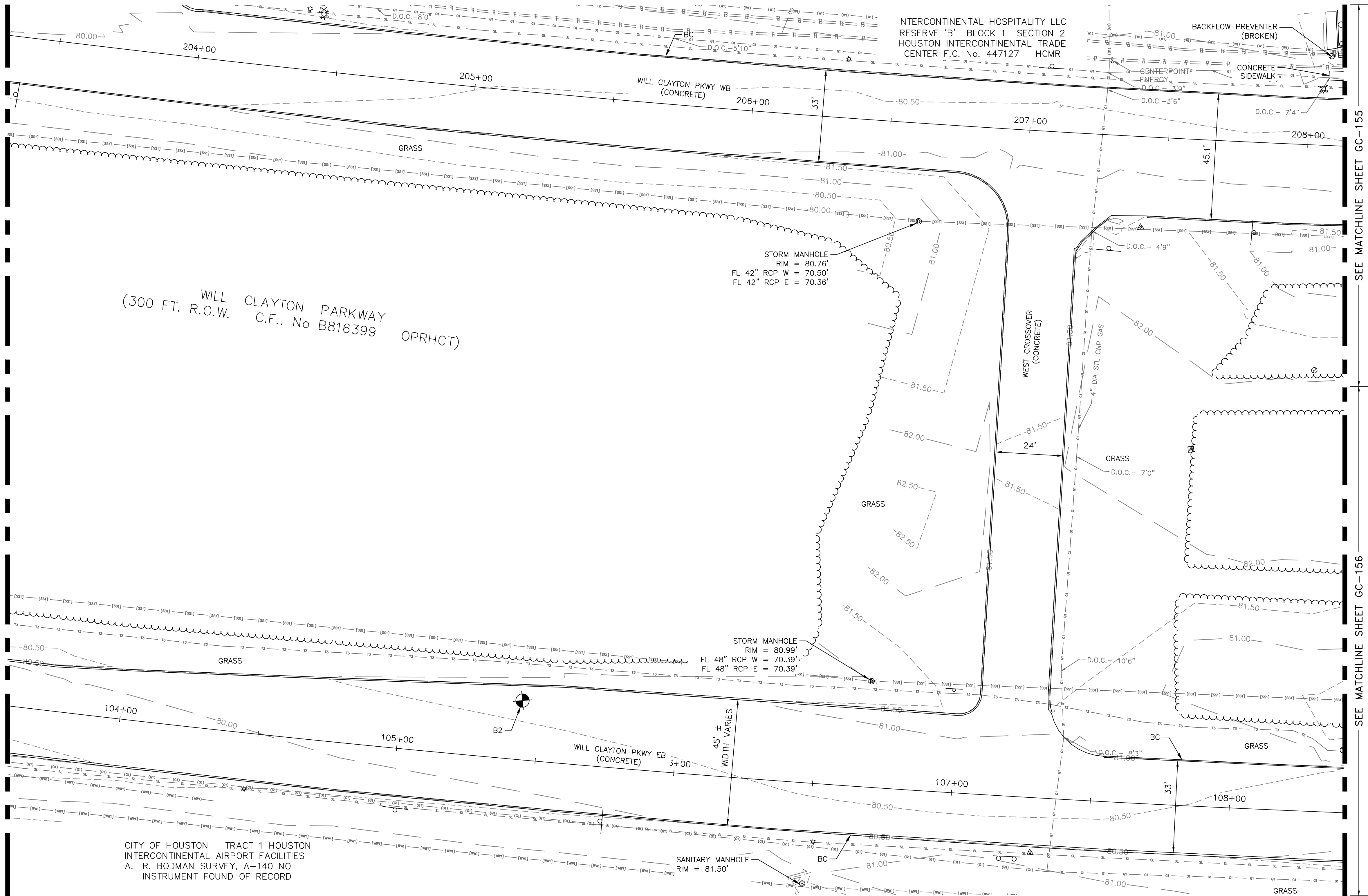
C.I.P. NO.

H.A.S. NO.
935
SHEET NO.

LEGEND			
— (SS1) — (SS1) —	COH STORM SEWER	△	TRAVERSE POINT
— (WWS) — (WWS) —	COH WASTEWATER	⊕	TELECOM HANDHOLE
— (W1) — (W1) —	COH WATER	□	TELECOM PEDESTAL
— (G1) — (G1) —	CENTERPOINT ENERY GAS	◇	TELECOM MARKER
— (E1) — (E1) —	CENTERPOINT ENERY ELECTRIC	⊠	TELECOM VAULT
— (OHE1) —	CENTERPOINT ENERGY OVERHEAD ELECTRIC	⊙	GAS LINE MARKER
— SL — SL —	CENTERPOINT ENERY STREET LIGHT ELECTRIC	⊗	GAS VENT
— (T1) — (T1) —	CENTURYLINK COMMUNICATION	⊘	WATER VALVE
— (OHT1) —	CENTURYLINK OVERHEAD COMMUNICATION	⊙	WATER METER
— (T2) — (T2) —	COMCAST HOUSTON COMMUNICATION	⊗	FIRE HYDRANT
— T3 — T3 —	AT&T COMMUNICATION	⊘	IRRIGATION CONTROL VALVE
— T4 — T4 —	HAS COMMUNICATION	⊙	BACKFLOW PREVENTER

NOTES	
SURVEY PROVIDED BY ATKINS AND COMPLETED ON NOVEMBER 10, 2020. HORIZONTAL DATUM IS BASED ON NAD83 (GRID) / TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE. VERTICAL DATUM IS BASED ON NAVD 88.	
☆	LIGHT POLE
⊕	POWER POLE
←	GUY ANCHOR
⊙	ELECTRIC MANHOLE
⊠	ELECTRIC CONTROL BOX
⊙	STORM MANHOLE
⊗	SANITARY MANHOLE
⊘	CLEAN OUT
⊙	INLET
⊗	DOUBLE POLE SIGN
⊘	SINGLE POLE SIGN
⊙	EDGE OF BRUSH
⊙	BORING LOCATIONS

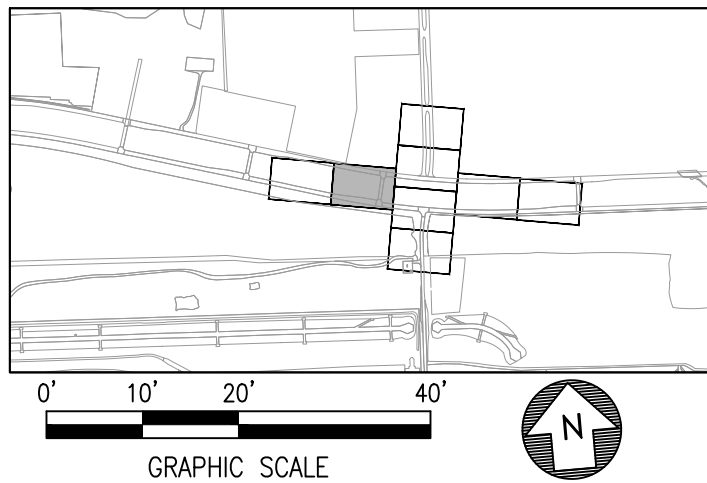
SEE MATCHLINE SHEET GC-152



WILL CLAYTON PARKWAY
(300 FT. R.O.W. C.F. No B816399 OPRHCT)

INTERCONTINENTAL HOSPITALITY LLC
RESERVE 'B' BLOCK 1 SECTION 2
HOUSTON INTERCONTINENTAL TRADE
CENTER F.C. No. 447127 HCMR

BACKFLOW PREVENTER
(BROKEN)
CONCRETE
SIDEWALK
ENERGY
D.O.C. - 3'6"



SEE MATCHLINE SHEET GC-155

SEE MATCHLINE SHEET GC-156

LEGEND

— (SS1) — (SS1) —	COH STORM SEWER	△	TRAVERSE POINT	☆	LIGHT POLE
— (WW1) — (WW1) —	COH WASTEWATER	⊕	TELECOM HANDHOLE	⊕	POWER POLE
— (W1) — (W1) —	COH WATER	□	TELECOM PEDESTAL	←	GUY ANCHOR
— (G1) — (G1) —	CENTERPOINT ENERY GAS	⊕	TELECOM MARKER	⊕	ELECTRIC MANHOLE
— (E1) — (E1) —	CENTERPOINT ENERY ELECTRIC	⊕	TELECOM VAULT	⊕	ELECTRIC CONTROL BOX
— (OHE1) —	CENTERPOINT ENERGY OVERHEAD ELECTRIC	⊕	GAS LINE MARKER	⊕	STORM MANHOLE
— SL — SL —	CENTERPOINT ENERY STREET LIGHT ELECTRIC	⊕	GAS VENT	⊕	SANITARY MANHOLE
— (T1) — (T1) —	CENTURYLINK COMMUNICATION	⊕	WATER VALVE	⊕	CLEAN OUT
— (OHT1) —	CENTURYLINK OVERHEAD COMMUNICATION	⊕	WATER METER	⊕	INLET
— (T2) — (T2) —	COMCAST HOUSTON COMMUNICATION	⊕	FIRE HYDRANT	⊕	DOUBLE POLE SIGN
— T3 — T3 —	AT&T COMMUNICATION	⊕	IRRIGATION CONTROL VALVE	⊕	SINGLE POLE SIGN
— T4 — T4 —	HAS COMMUNICATION	⊕	BACKFLOW PREVENTER	⊕	EDGE OF BRUSH
		⊕		⊕	BORING LOCATIONS

NOTES

SURVEY PROVIDED BY ATKINS AND COMPLETED ON NOVEMBER 10, 2020. HORIZONTAL DATUM IS BASED ON NAD83 (GRID) / TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE. VERTICAL DATUM IS BASED ON NAVD 88.

ATKINS

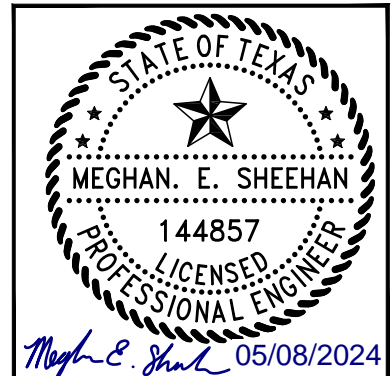
LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
EXISTING CONDITIONS**
ISSUED FOR PERMIT

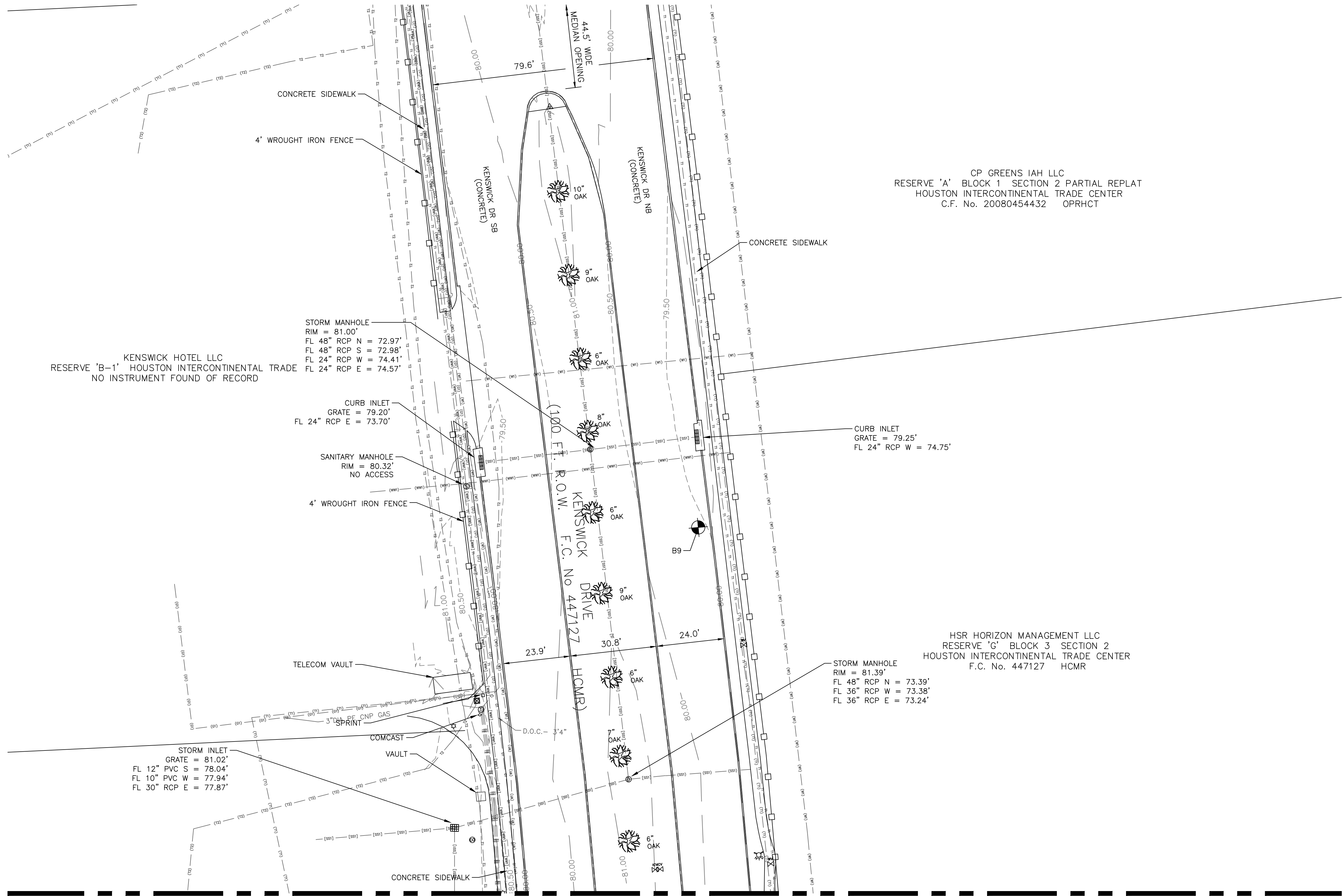
PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



APPROVED BY:
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

GC-153



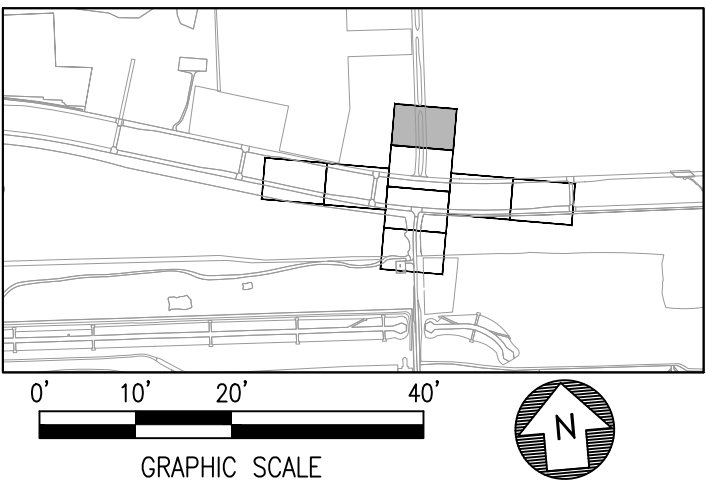
CP GREENS IAH LLC
RESERVE 'A' BLOCK 1 SECTION 2 PARTIAL REPLAT
HOUSTON INTERCONTINENTAL TRADE CENTER
C.F. No. 20080454432 OPRHCT

HSR HORIZON MANAGEMENT LLC
RESERVE 'G' BLOCK 3 SECTION 2
HOUSTON INTERCONTINENTAL TRADE CENTER
F.C. No. 447127 HCMR

SEE MATCHLINE SHEET GC-155

LEGEND		
— (SS1) — (SS1) —	COH STORM SEWER	△
— (WWS) — (WWS) —	COH WASTEWATER	⊕
— (W1) — (W1) —	COH WATER	□
— (E1) — (E1) —	CENTERPOINT ENERY GAS	◇
— (E1) — (E1) —	CENTERPOINT ENERY ELECTRIC	◇
— (OHE1) —	CENTERPOINT ENERGY OVERHEAD ELECTRIC	□
— SL — SL —	CENTERPOINT ENERY STREET LIGHT ELECTRIC	⊙
— (T1) — (T1) —	CENTURYLINK COMMUNICATION	⊗
— (OHT1) —	CENTURYLINK OVERHEAD COMMUNICATION	⊗
— (T2) — (T2) —	COMCAST HOUSTON COMMUNICATION	⊗
— T3 — T3 —	AT&T COMMUNICATION	⊗
— T4 — T4 —	HAS COMMUNICATION	⊗
△	TRAVERSE POINT	☆
⊕	TELECOM HANDHOLE	⊕
□	TELECOM PEDESTAL	↑
◇	TELECOM MARKER	⊙
□	TELECOM VAULT	⊗
◇	GAS LINE MARKER	⊙
⊙	GAS VENT	⊙
⊗	WATER VALVE	⊗
⊗	WATER METER	⊗
⊗	FIRE HYDRANT	⊗
⊗	IRRIGATION CONTROL VALVE	⊗
⊗	BACKFLOW PREVENTER	⊗
☆	LIGHT POLE	☆
⊕	POWER POLE	⊕
↑	GUY ANCHOR	↑
⊙	ELECTRIC MANHOLE	⊙
⊗	ELECTRIC CONTROL BOX	⊗
⊙	STORM MANHOLE	⊙
⊙	SANITARY MANHOLE	⊙
⊙	CLEAN OUT	⊙
⊙	INLET	⊙
⊗	DOUBLE POLE SIGN	⊗
⊗	SINGLE POLE SIGN	⊗
⊗	EDGE OF BRUSH	⊗
⊗	BORING LOCATIONS	⊗

NOTES	
SURVEY PROVIDED BY ATKINS AND COMPLETED ON NOVEMBER 10, 2020. HORIZONTAL DATUM IS BASED ON NAD83 (GRID) / TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE. VERTICAL DATUM IS BASED ON NAVD 88.	



REVISIONS		
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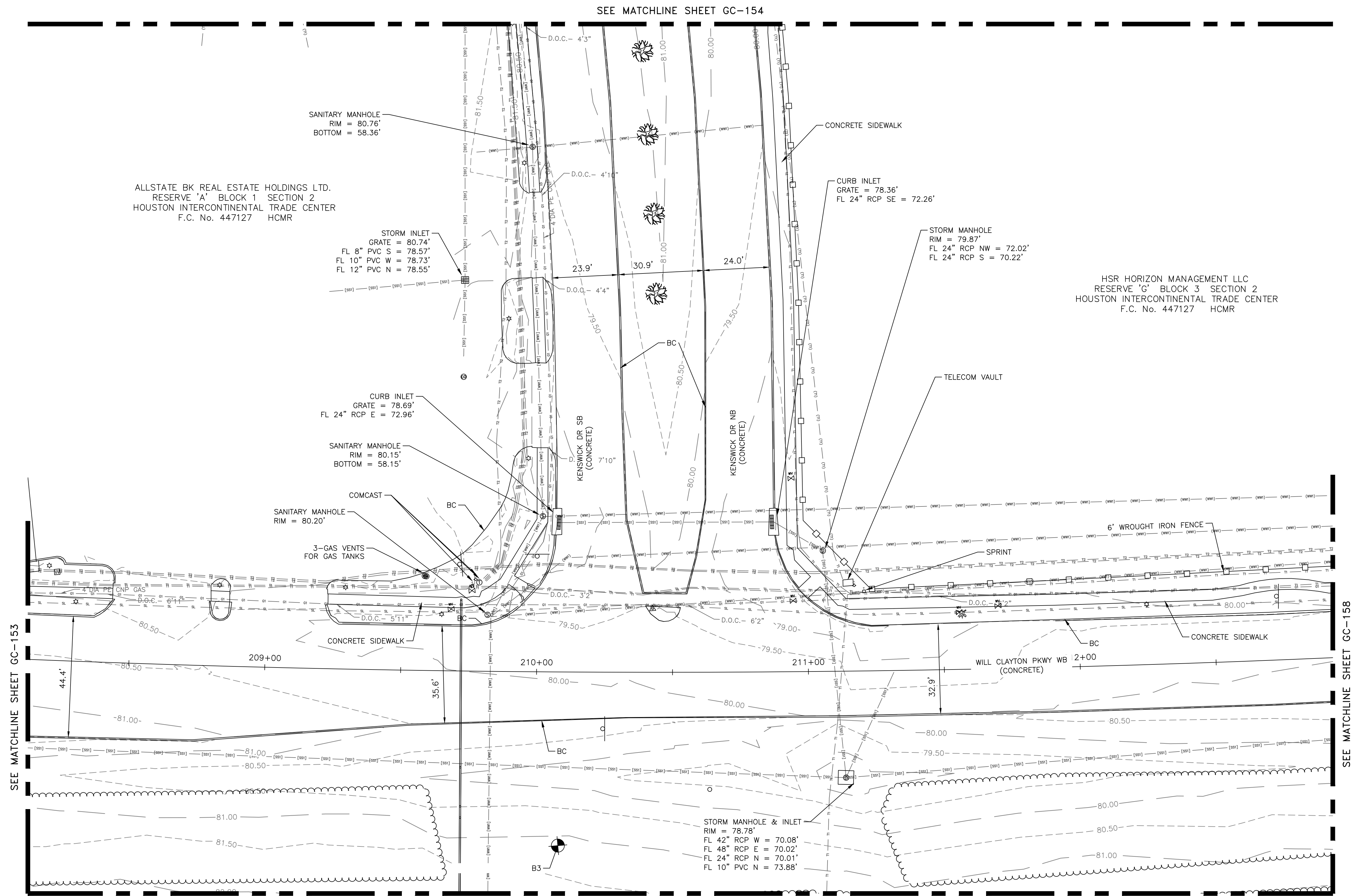
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
EXISTING CONDITIONS

ISSUED FOR PERMIT

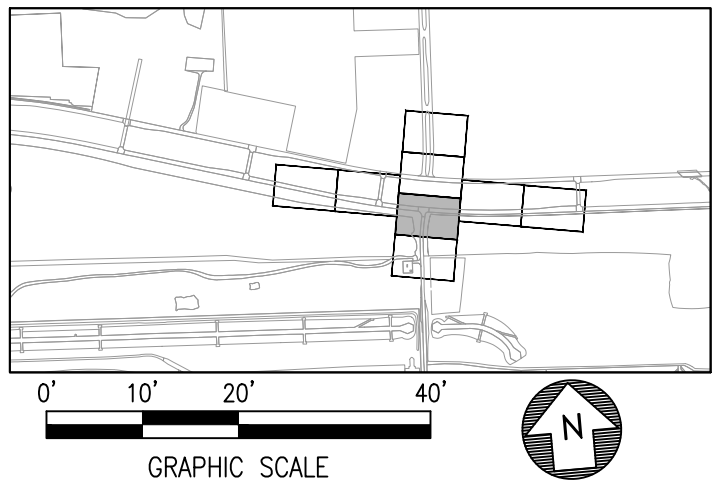
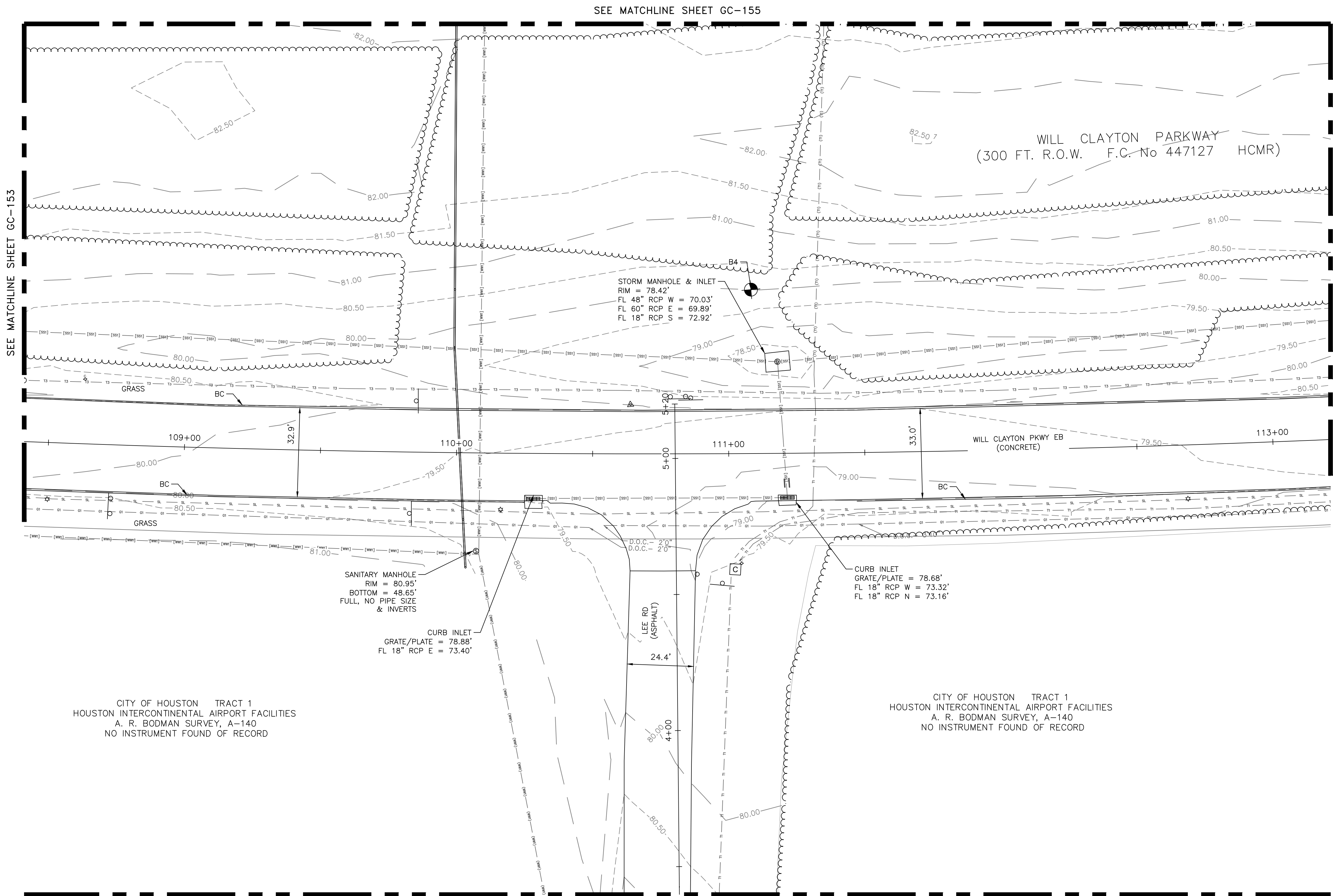
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DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	



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PLOT DATE: 2024-04-19



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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HOUSTON, TX 77024
TEL: (713) 576-8500
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AMERICA PE FIRM REG.
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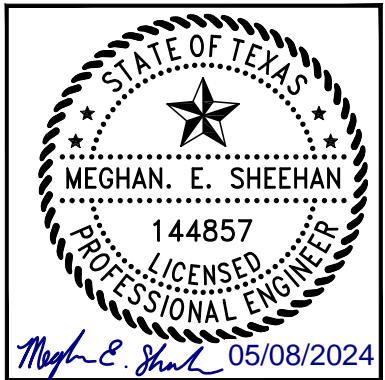
REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

**KENSWICK DRIVE EXTENSION
EXISTING CONDITIONS**

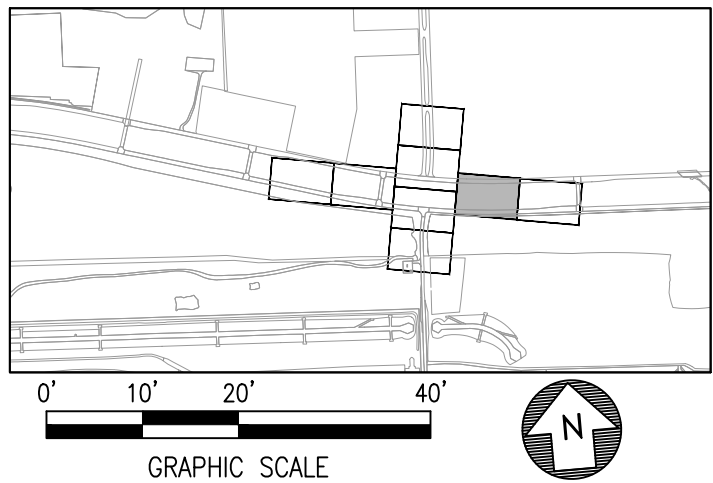
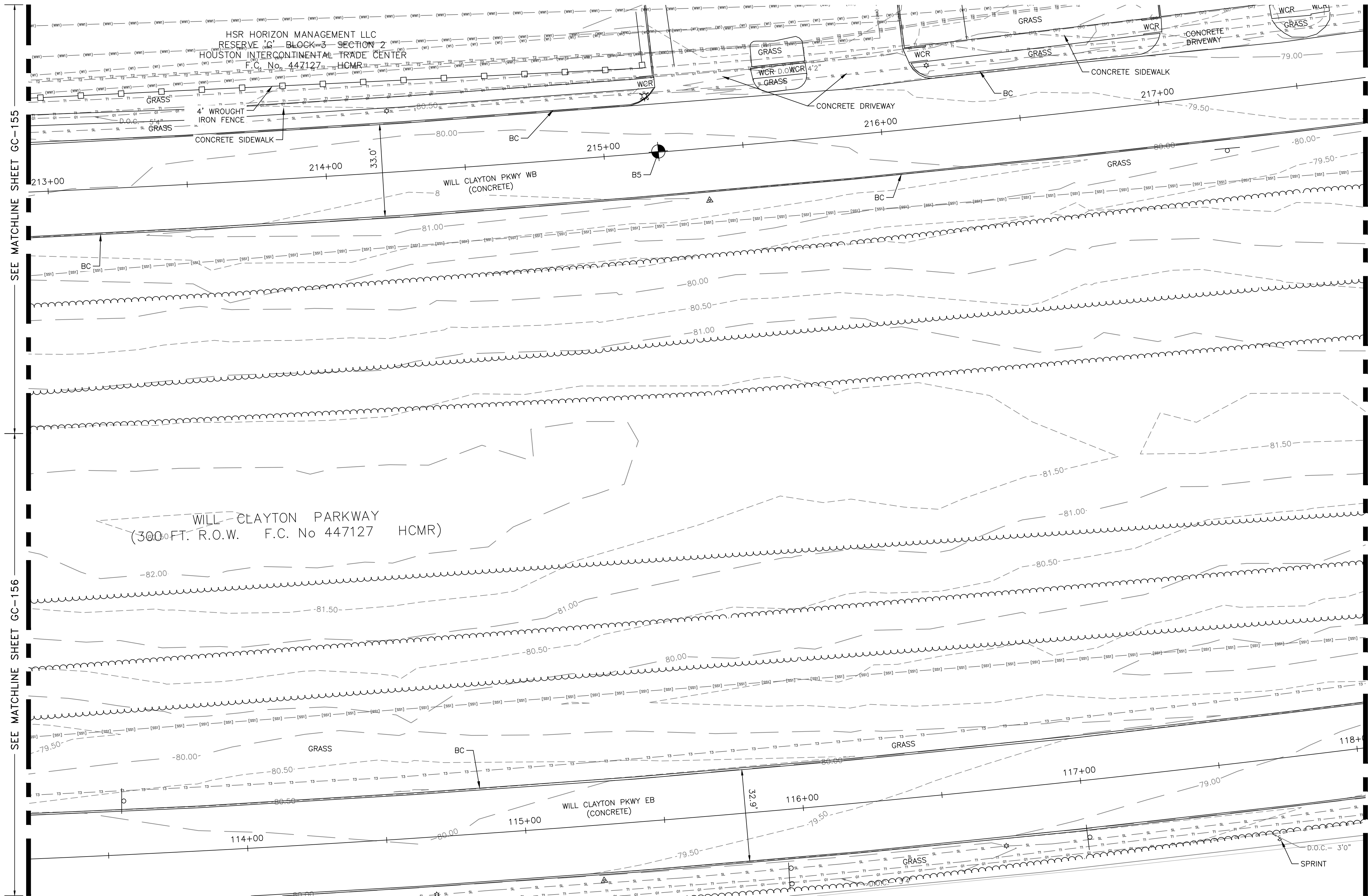
ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
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DIRECTOR HOUSTON AIRPORT SYSTEM	
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SHEET NO.	

HAS FILE C:\P\WORK\ATKINS\DOTR3544\DWG59378\GC-151.DWG
PLOT DATE: 2024-04-19



LEGEND			
— (SS1) — (SS1) —	COH STORM SEWER	△	TRAVERSE POINT
— (WW1) — (WW1) —	COH WASTEWATER	⊕	TELECOM HANDHOLE
— (W1) — (W1) —	COH WATER	□	TELECOM PEDESTAL
— (E1) — (E1) —	CENTERPOINT ENERY GAS	⊗	TELECOM MARKER
— (E1) — (E1) —	CENTERPOINT ENERY ELECTRIC	⊗	TELECOM VAULT
— (OHE1) —	CENTERPOINT ENERGY OVERHEAD ELECTRIC	⊗	GAS LINE MARKER
— SL — SL —	CENTERPOINT ENERY STREET LIGHT ELECTRIC	⊗	GAS VENT
— (T1) — (T1) —	CENTURYLINK COMMUNICATION	⊗	WATER VALVE
— (OHT1) —	CENTURYLINK OVERHEAD COMMUNICATION	⊗	WATER METER
— (T2) — (T2) —	COMCAST HOUSTON COMMUNICATION	⊗	FIRE HYDRANT
— T3 — T3 —	AT&T COMMUNICATION	⊗	IRRIGATION CONTROL VALVE
— T4 — T4 —	HAS COMMUNICATION	⊗	BACKFLOW PREVENTER
		⊗	LIGHT POLE
		⊗	POWER POLE
		⊗	GUY ANCHOR
		⊗	ELECTRIC MANHOLE
		⊗	ELECTRIC CONTROL BOX
		⊗	STORM MANHOLE
		⊗	SANITARY MANHOLE
		⊗	CLEAN OUT
		⊗	INLET
		⊗	DOUBLE POLE SIGN
		⊗	SINGLE POLE SIGN
		⊗	EDGE OF BRUSH
		⊗	BORING LOCATIONS

NOTES

SURVEY PROVIDED BY ATKINS AND COMPLETED ON NOVEMBER 10, 2020. HORIZONTAL DATUM IS BASED ON NAD83 (GRID) / TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE. VERTICAL DATUM IS BASED ON NAVD 88.

REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
EXISTING CONDITIONS**
ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



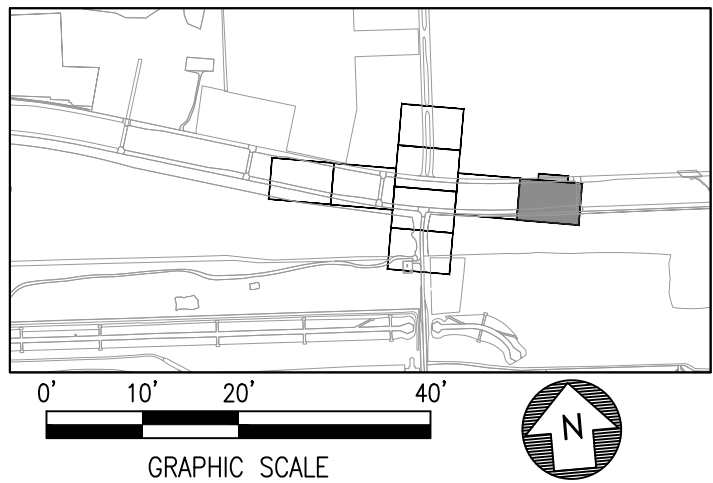
APPROVED BY:

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HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.

C.I.P. NO.

H.A.S. NO.
935
SHEET NO.

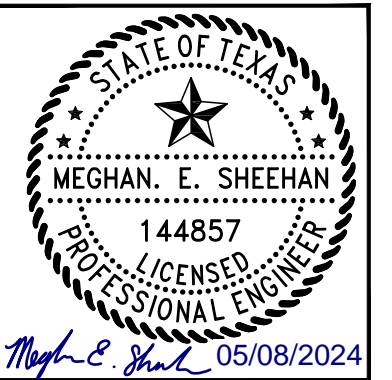


SURVEY PROVIDED BY ATKINS AND COMPLETED ON NOVEMBER 10, 2020. HORIZONTAL DATUM IS BASED ON NAD83 (GRID) / TEXAS STATE PLANE COORDINATES, SOUTH CENTRAL ZONE. VERTICAL DATUM IS BASED ON NAVD 88.

[illegible]

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH) **KENSWICK DRIVE EXTENSION** **OVERALL DEMOLITION PLAN** ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. _____

100072032

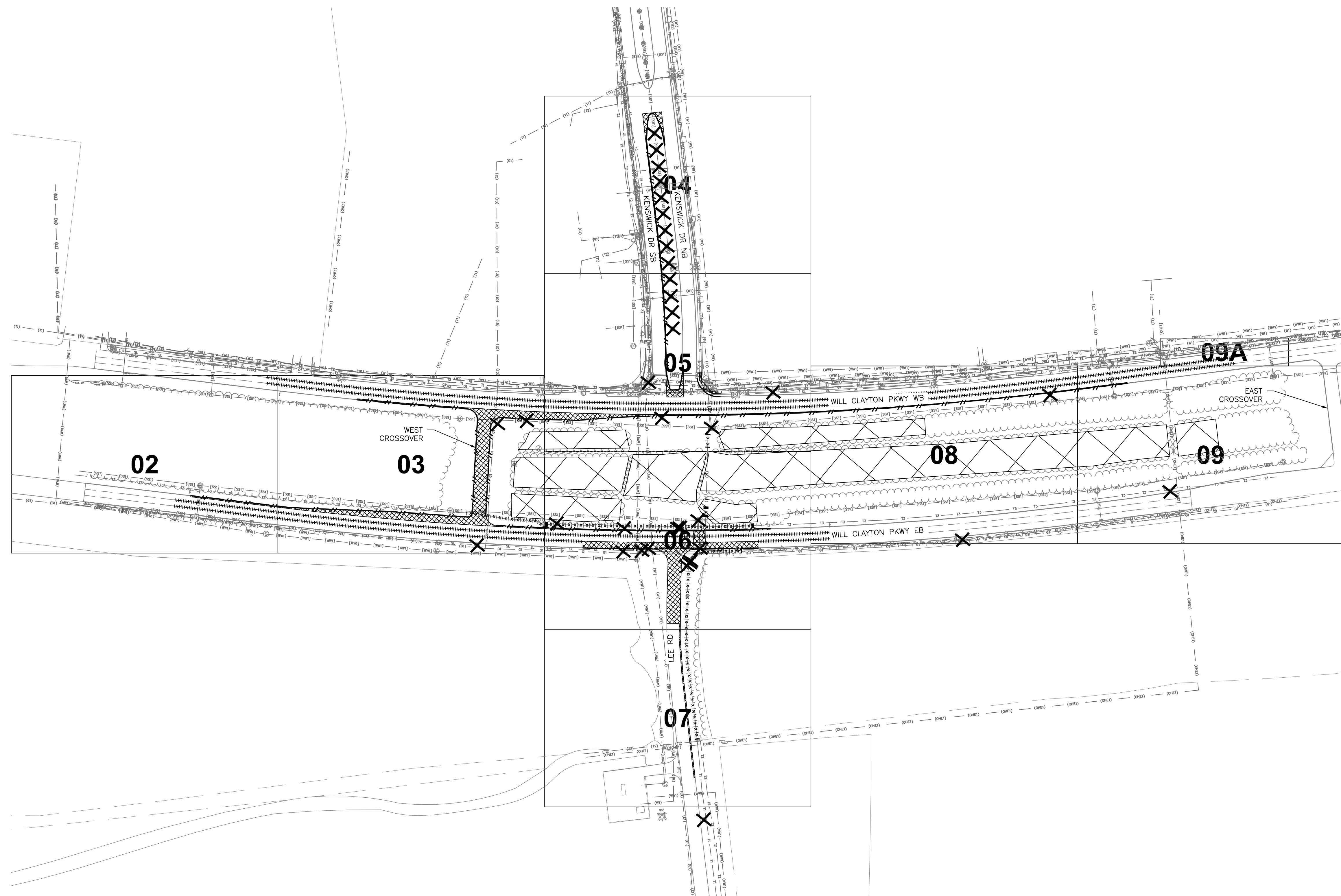
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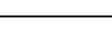
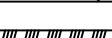




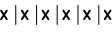
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H.A.S. NO. _____

935

SHEET NO. _____

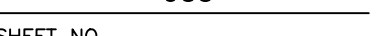


LEGEND	
	PAVEMENT DEMOLITION
	LIMITS OF BRUSH AND TREE CLEARING
	SIDEWALK DEMOLITION
	PIPE DEMOLITION
	COMMUNICATION DEMOLITION AND RELOCATION
	CURB DEMOLITION
	MARKING DEMOLITION
	REMOVE AND REPLACE TREE

NOTE TO REVIEWER:
FIBER OPTIC RELOCATIONS ARE BEING DETERMINED,
CONFLICT/FEASIBILITY CURRENTLY BEING
CONDUCTED.

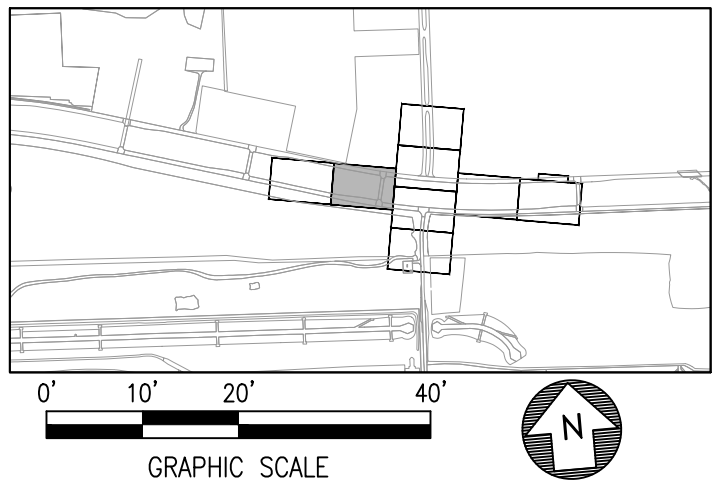
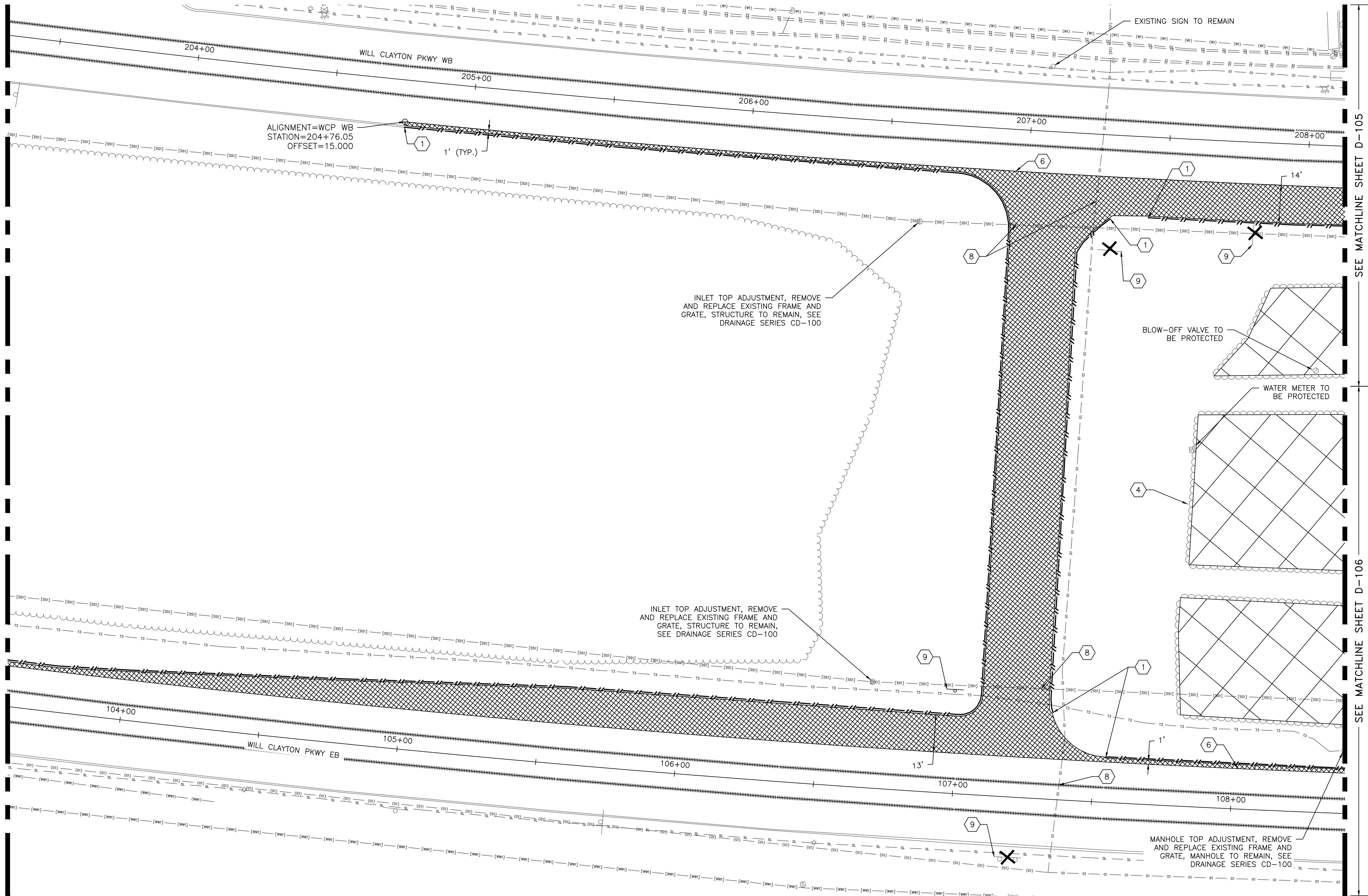


DATE: 05/08/2024



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PLOT DATE:2024-04-19

SEE MATCHLINE SHEET D-102



SEE MATCHLINE SHEET D-105

SEE MATCHLINE SHEET D-106

LEGEND	
	PAVEMENT DEMOLITION
	LIMITS OF BRUSH AND TREE CLEARING
	SIDEWALK DEMOLITION
	PIPE DEMOLITION
	COMMUNICATION / FIBER UTILITY DEMOLITION BY OTHERS, SEE GENERAL NOTE 3
	CURB DEMOLITION
	MARKING DEMOLITION
	DEMOLISH EXISTING STRUCTURE, SIGN, TREE, ETC.

GENERAL NOTES	
1.	ALL SALVAGED TRAFFIC SIGNS SHALL BE DELIVERED AND STORED AT A LOCATION DESIGNATED BY HAS.
2.	LIMITS OF DEMOLITION SHALL BE ADJUSTED TO COINCIDE WITH THE NEAREST TRANSVERSE JOINT. IF EXISTING JOINT FACE HAS DAMAGE ADJUST LIMITS MINIMUM 1 FOOT INTO SOUND CONCRETE.
3.	COMMUNICATION AND/OR FIBER LINE WILL BE DEMOLISHED AND RELOCATED BY UTILITY PROVIDER PRIOR TO AWARD OF CONTRACT. DEMOLITION OF LINES IS SHOWN FOR CONTRACTORS REFERENCE ONLY AND SHALL NOT BE INCLUDED AS A BID QUANTITY.
4.	ALL DEMOLISHED MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.

KEY NOTES			
	DEMOLISH EXISTING CURB		REMOVE AND SALVAGE SIGN SEE GENERAL NOTE 1
	DEMOLISH EXISTING MARKING		REMOVE, STORE, AND REPLANT TREE
	DEMOLISH EXISTING DRAINAGE STRUCTURES		
	LIMITS OF TREE DEMOLITION		
	DEMOLISH EXISTING PIPE		
	SAWCUT EXISTING PAVEMENT EDGE TO ESTABLISH NEW JOINT LINE		
	DEMOLISH AND RELOCATE EXISTING COMMUNICATION FIBER LINE. SEE GENERAL NOTE 3		
	PROTECT EXISTING UTILITIES		

REVISIONS		
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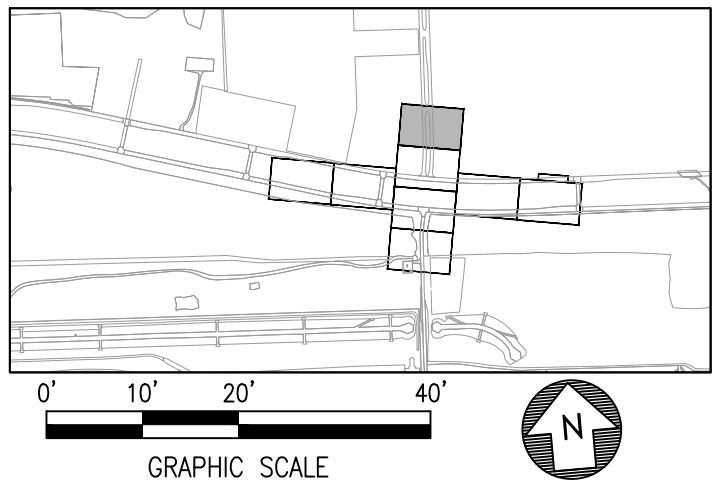
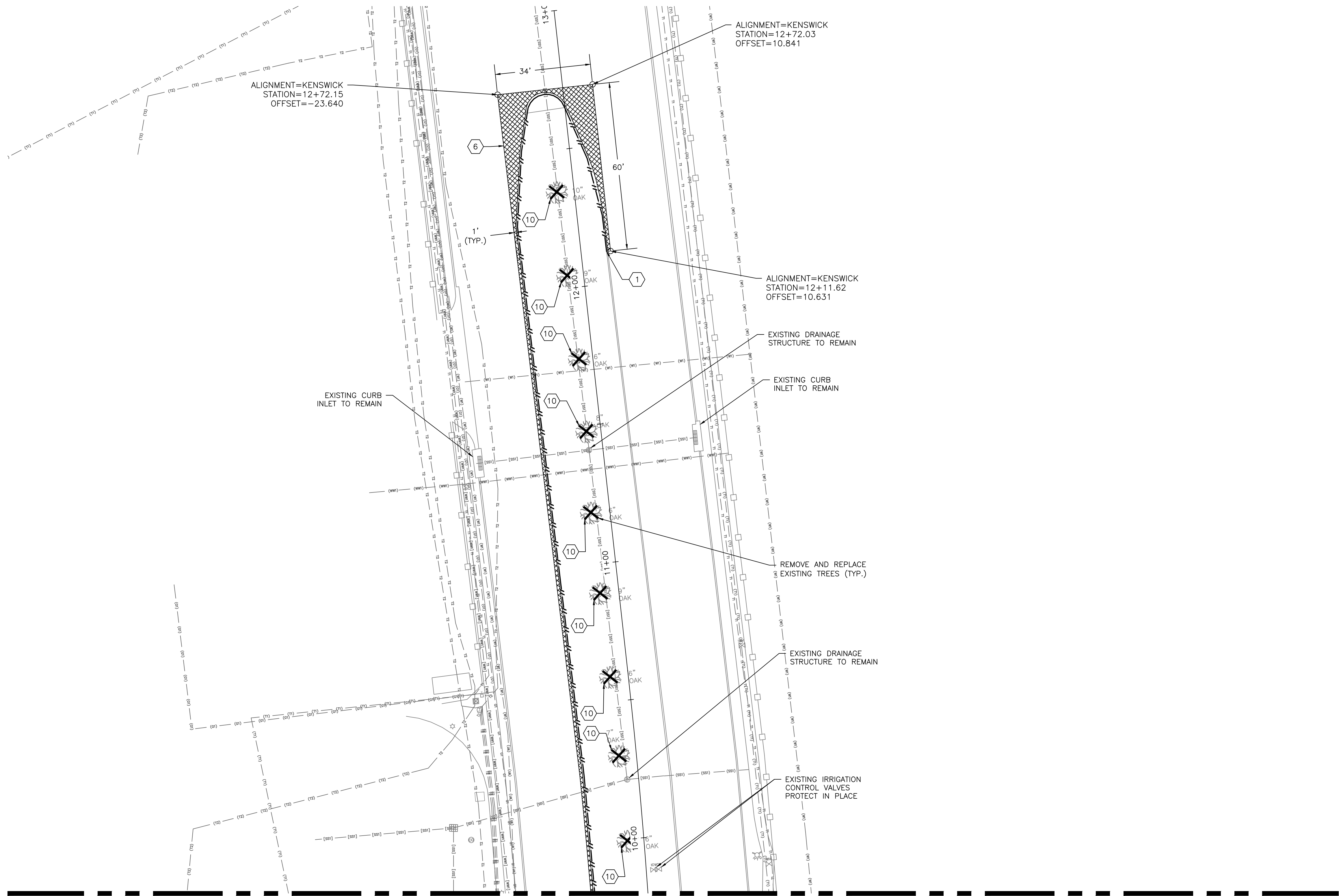
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
DEMOLITION PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

HAS FILE:C:\PW\WORK\ATKINS\ATKINS\DOTR3544\DWG59378\0935-D-101.DWG
PLOT DATE: 2024-04-19



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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HOUSTON, TX 77024
TEL: (713) 576-8500
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#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

STATE OF TEXAS
COUNTY OF HARRIS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
EXPIRATION DATE 08/01/2028
Professional Seal

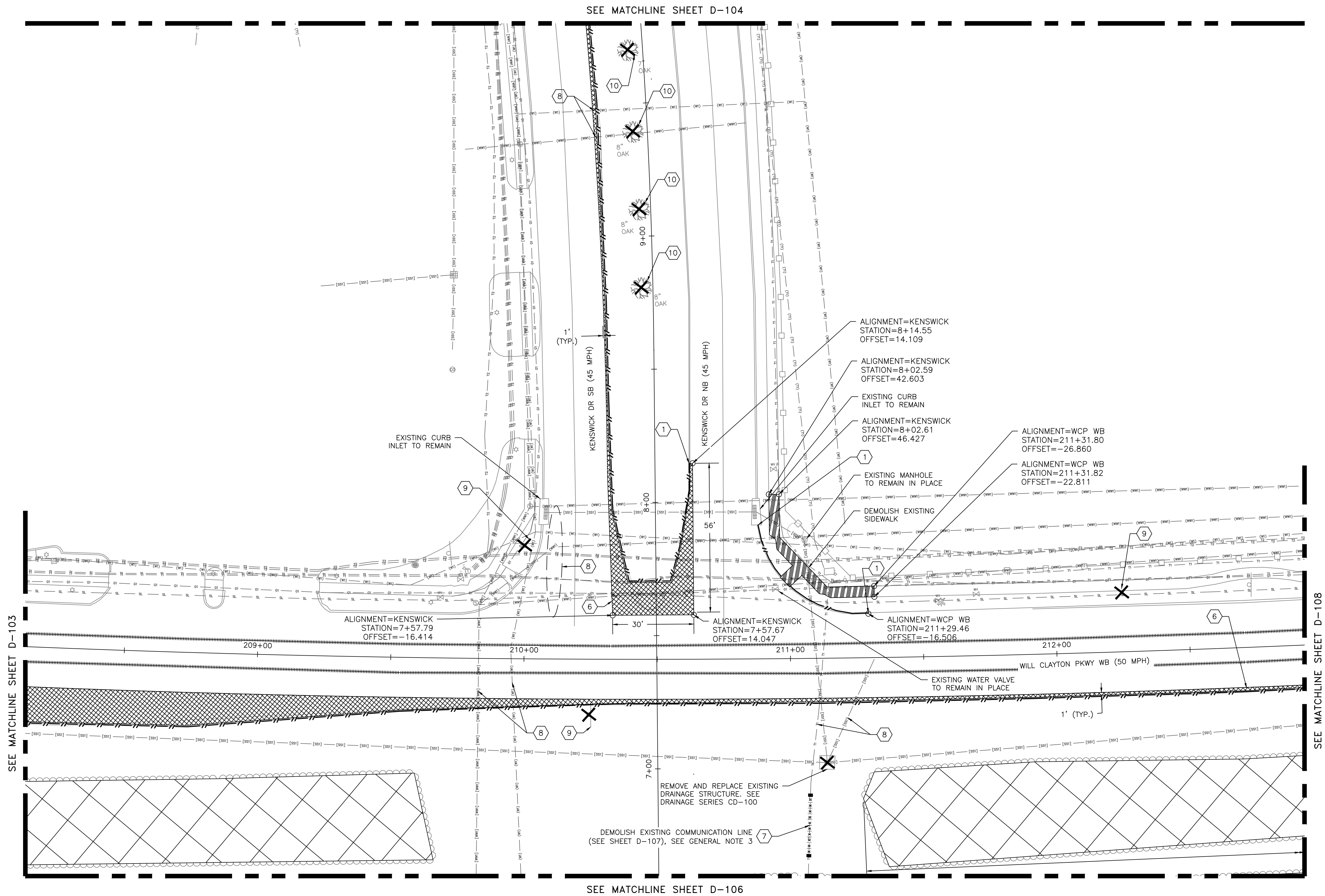
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
DEMOLITION PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
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STATE OF TEXAS
COUNTY OF HARRIS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
EXPIRATION DATE 08/01/2028
Professional Seal
Meghan E. Sheehan 05/08/2024

APPROVED BY:	
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PROJECT NO.	100072032
A.I.P. NO.	
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SHEET NO.	

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PLOT DATE: 2024-04-19

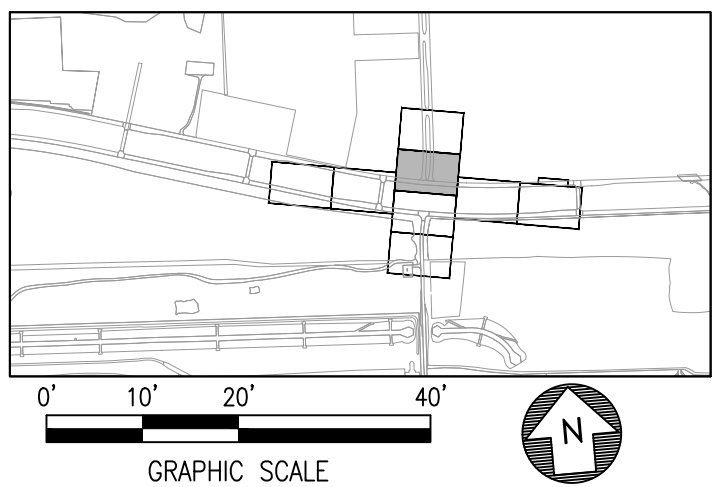


SEE MATCHLINE SHEET D-108

LEGEND	
	PAVEMENT DEMOLITION
	LIMITS OF BRUSH AND TREE CLEARING
	SIDEWALK DEMOLITION
	PIPE DEMOLITION
	COMMUNICATION / FIBER UTILITY DEMOLITION BY OTHERS, SEE GENERAL NOTE 3
	CURB DEMOLITION
	MARKING DEMOLITION
	DEMOLISH EXISTING STRUCTURE, SIGN, TREE, ETC.

GENERAL NOTES	
1.	ALL SALVAGED TRAFFIC SIGNS SHALL BE DELIVERED AND STORED AT A LOCATION DESIGNATED BY HAS.
2.	LIMITS OF DEMOLITION SHALL BE ADJUSTED TO COINCIDE WITH THE NEAREST TRANSVERSE JOINT. IF EXISTING JOINT FACE HAS DAMAGE ADJUST LIMITS MINIMUM 1 FOOT INTO SOUND CONCRETE.
3.	COMMUNICATION AND/OR FIBER LINE WILL BE DEMOLISHED AND RELOCATED BY UTILITY PROVIDER PRIOR TO AWARD OF CONTRACT. DEMOLITION OF LINES IS SHOWN FOR CONTRACTORS REFERENCE ONLY AND SHALL NOT BE INCLUDED AS A BID QUANTITY.
4.	ALL DEMOLISHED MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.

KEY NOTES	
1	DEMOLISH EXISTING CURB
2	DEMOLISH EXISTING MARKING
3	DEMOLISH EXISTING DRAINAGE STRUCTURES
4	LIMITS OF TREE DEMOLITION
5	DEMOLISH EXISTING PIPE
6	SAWOUT EXISTING PAVEMENT EDGE TO ESTABLISH NEW JOINT LINE
7	DEMOLISH AND RELOCATE EXISTING COMMUNICATION FIBER LINE. SEE GENERAL NOTE 3
8	PROTECT EXISTING UTILITIES
9	REMOVE AND SALVAGE SIGN SEE GENERAL NOTE 1
10	REMOVE, STORE, AND REPLANT TREE



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NO.	DESCRIPTION	DATE BY

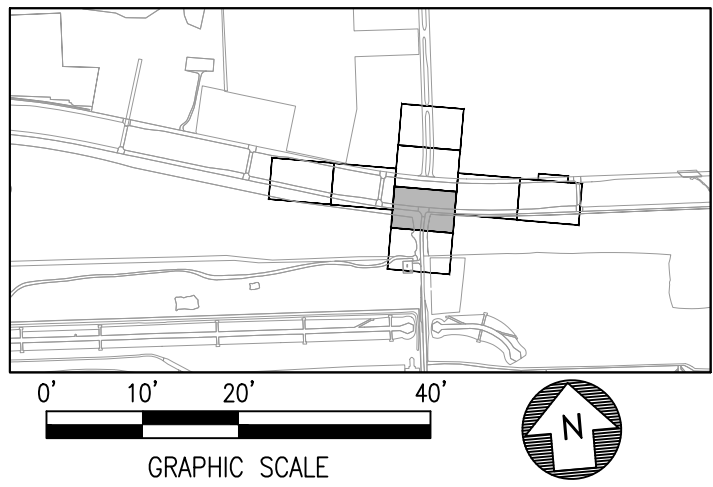
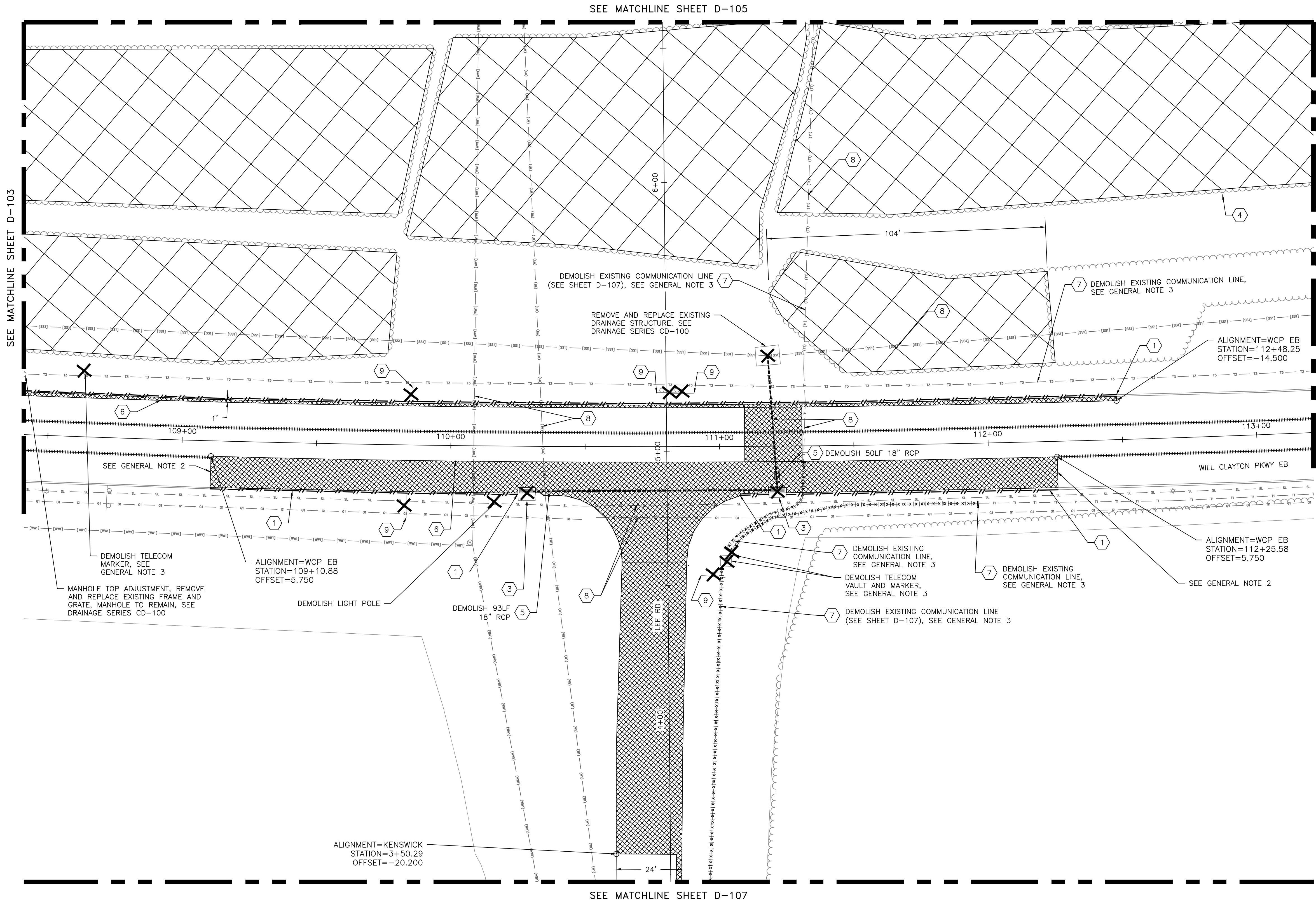
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DESIGNER: ALR
DRAWN BY: ALR
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DATE: 05/08/2024

**GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
DEMOLITION PLAN**

ISSUED FOR PERMIT

PROJECT NO. 100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO. 935
SHEET NO.

STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024



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GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

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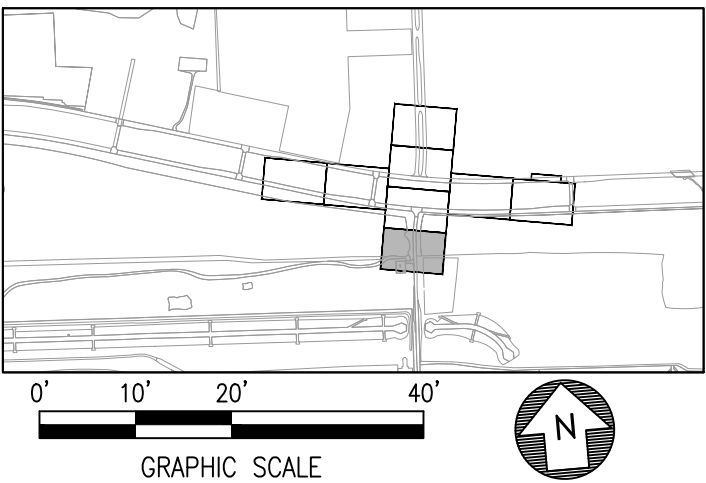
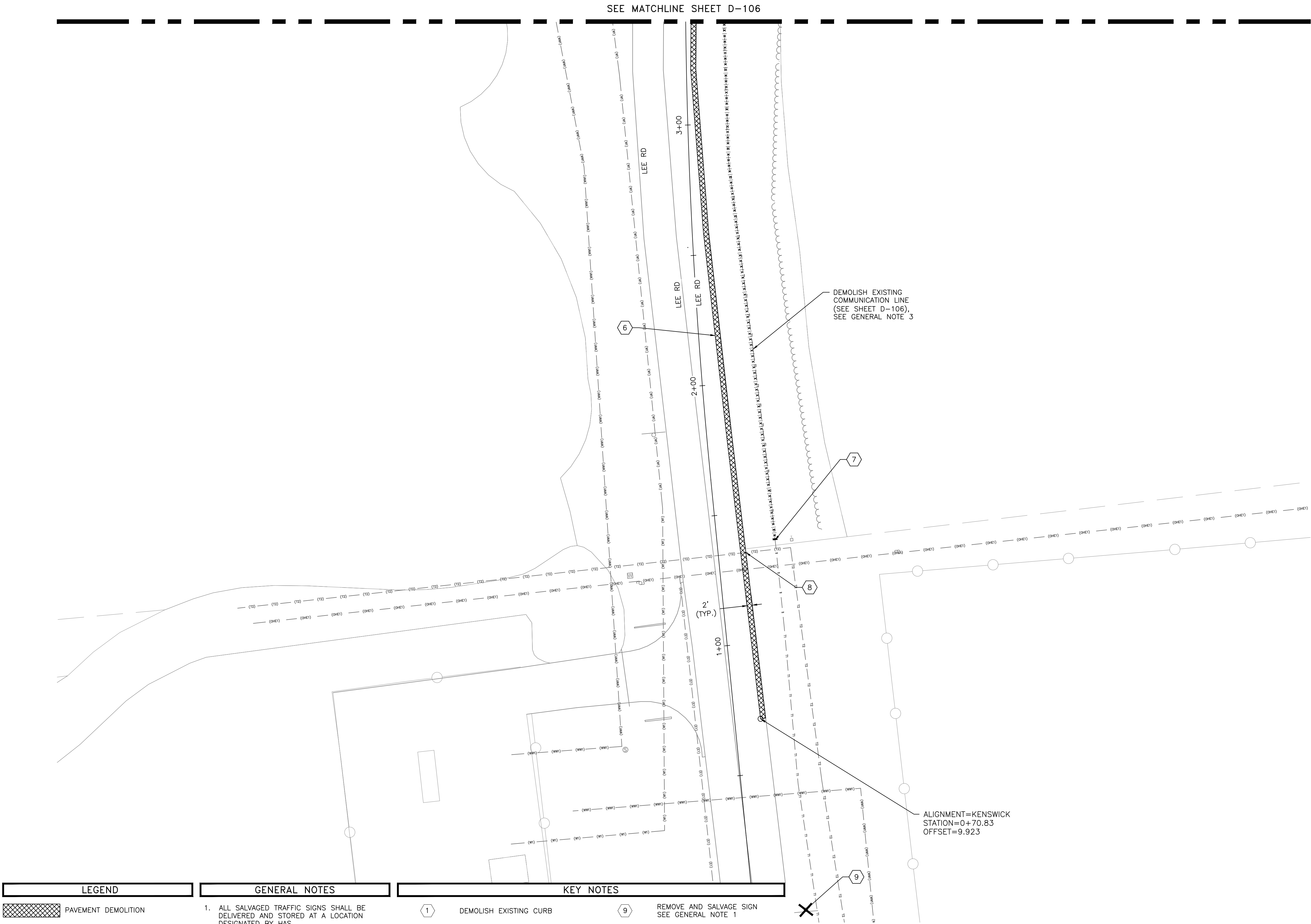
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
DEMOLITION PLAN**
ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
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STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

LEGEND	GENERAL NOTES	KEY NOTES
PAVEMENT DEMOLITION	1. ALL SALVAGED TRAFFIC SIGNS SHALL BE DELIVERED AND STORED AT A LOCATION DESIGNATED BY HAS.	① DEMOLISH EXISTING CURB
LIMITS OF BRUSH AND TREE CLEARING	2. LIMITS OF DEMOLITION SHALL BE ADJUSTED TO COINCIDE WITH THE NEAREST TRANSVERSE JOINT. IF EXISTING JOINT FACE HAS DAMAGE ADJUST LIMITS MINIMUM 1 FOOT INTO SOUND CONCRETE.	② DEMOLISH EXISTING MARKING
SIDEWALK DEMOLITION	3. COMMUNICATION AND/OR FIBER LINE WILL BE DEMOLISHED AND RELOCATED BY UTILITY PROVIDER PRIOR TO AWARD OF CONTRACT. DEMOLITION OF LINES IS SHOWN FOR CONTRACTORS REFERENCE ONLY AND SHALL NOT BE INCLUDED AS A BID QUANTITY.	③ DEMOLISH EXISTING DRAINAGE STRUCTURES
PIPE DEMOLITION	4. ALL DEMOLISHED MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.	④ LIMITS OF TREE DEMOLITION
COMMUNICATION / FIBER UTILITY DEMOLITION BY OTHERS, SEE GENERAL NOTE 3		⑤ DEMOLISH EXISTING PIPE
CURB DEMOLITION		⑥ SAWCUT EXISTING PAVEMENT EDGE TO ESTABLISH NEW JOINT LINE
MARKING DEMOLITION		⑦ DEMOLISH AND RELOCATE EXISTING COMMUNICATION FIBER LINE. SEE GENERAL NOTE 3
DEMOLISH EXISTING STRUCTURE, SIGN, TREE, ETC.		⑧ PROTECT EXISTING UTILITIES
		⑨ REMOVE AND SALVAGE SIGN SEE GENERAL NOTE 1
		⑩ REMOVE, STORE, AND REPLANT TREE

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PLOT DATE:2024-04-19



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GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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HOUSTON, TX 77024
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REVISIONS		
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STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
DEMOLITION PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
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SCALE:	
DATE:	05/08/2024

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
05/08/2024

APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
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LOCAL OFFICE:
320 MEMORIAL CITY WAY
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474

REVISIONS

NO.	DESCRIPTION	DATE	BY
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION DEMOLITION PLAN

ISSUED FOR PERMIT

PROJECT MGR: MES

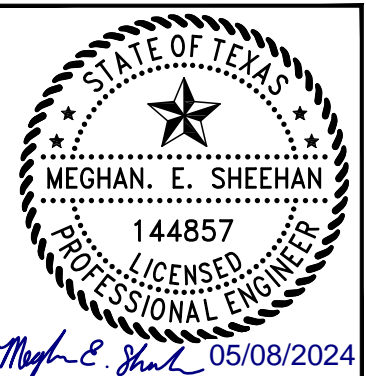
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CHECK BY: PM

SCALE:

DATE: 05/08/20



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DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.

100072032

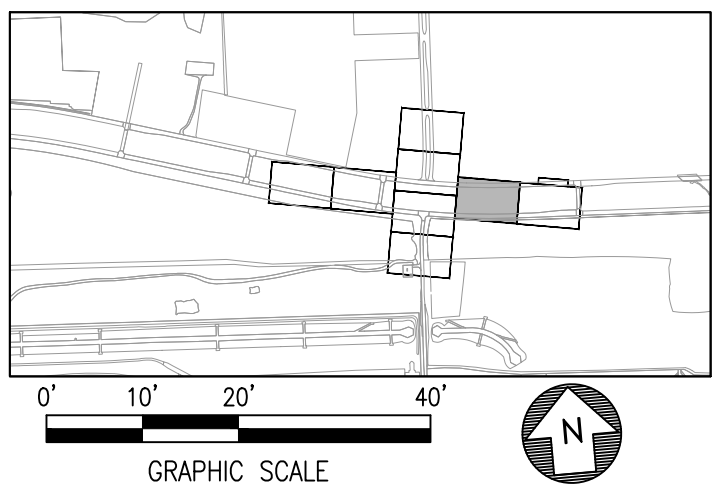
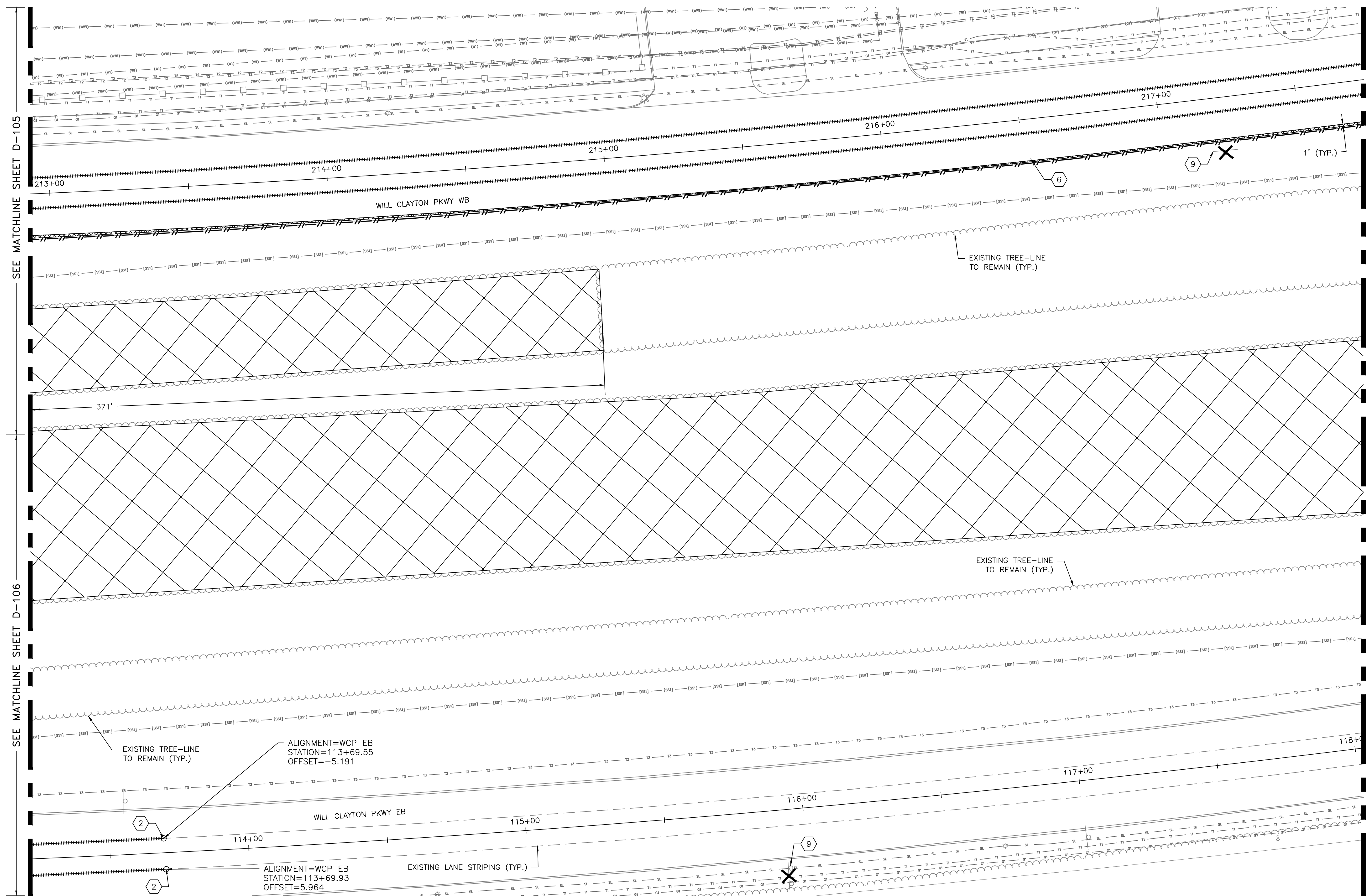
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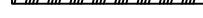



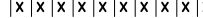





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H.A.S. No. _____

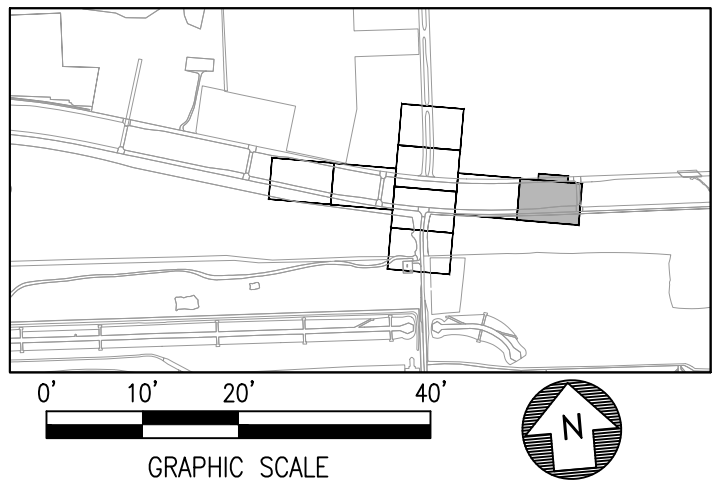
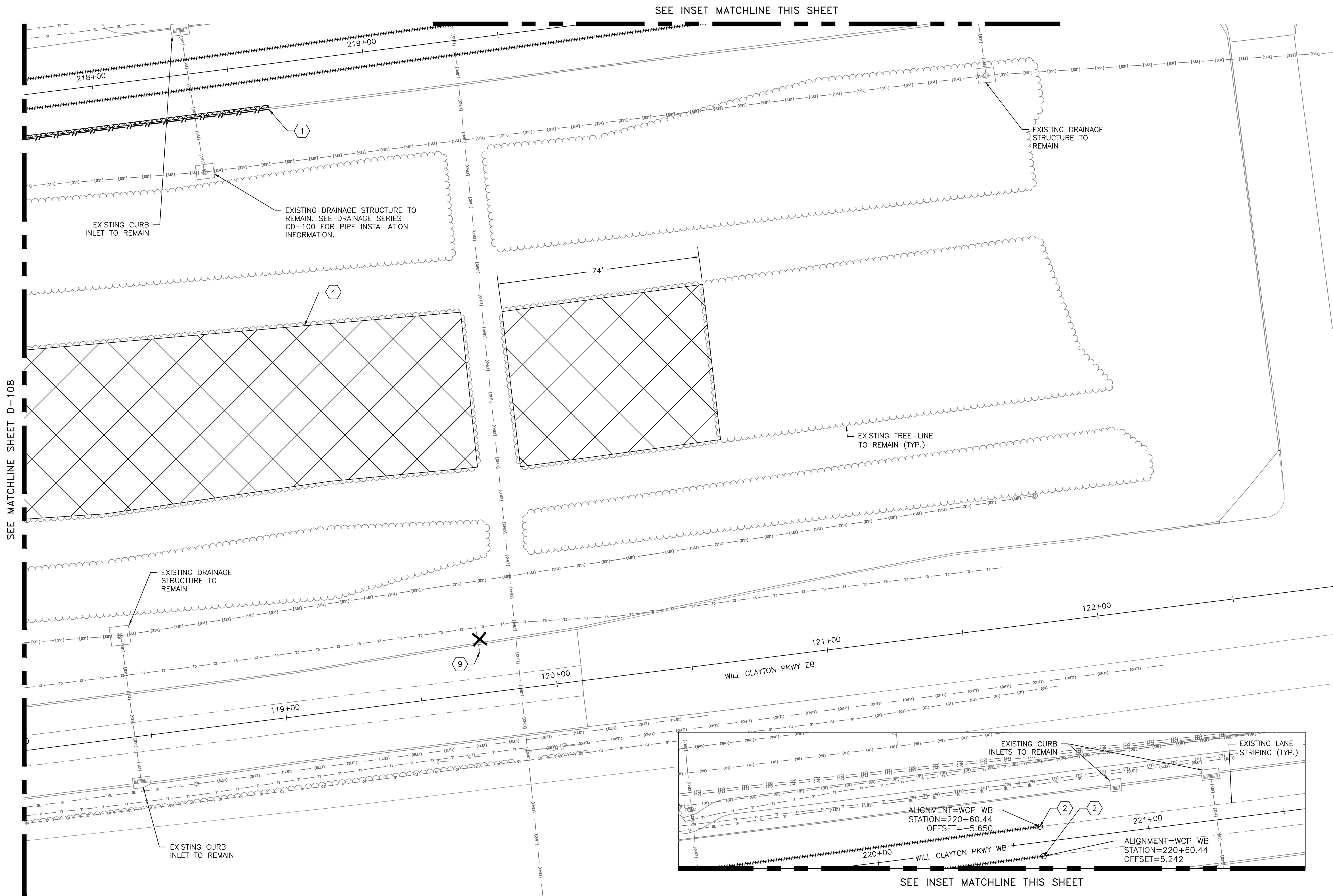
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D-108



LEGEND		GENERAL NOTES		KEY NOTES			
	PAVEMENT DEMOLITION	1.	ALL SALVAGED TRAFFIC SIGNS SHALL BE DELIVERED AND STORED AT A LOCATION DESIGNATED BY HAS.		DEMOLISH EXISTING CURB		REMOVE AND SALVAGE SIGN SEE GENERAL NOTE 1
	LIMITS OF BRUSH AND TREE CLEARING	2.	LIMITS OF DEMOLITION SHALL BE ADJUSTED TO COINCIDE WITH THE NEAREST TRANSVERSE JOINT. IF EXISTING JOINT FACE HAS DAMAGE ADJUST LIMITS MINIMUM 1 FOOT INTO SOUND CONCRETE.		DEMOLISH EXISTING MARKING		REMOVE, STORE, AND REPLANT TREE
	SIDEWALK DEMOLITION				DEMOLISH EXISTING DRAINAGE STRUCTURES		
	PIPE DEMOLITION				LIMITS OF TREE DEMOLITION		
	COMMUNICATION / FIBER UTILITY DEMOLITION BY OTHERS, SEE GENERAL NOTE 3	3.	COMMUNICATION AND/OR FIBER LINE WILL BE DEMOLISHED AND RELOCATED BY UTILITY PROVIDER PRIOR TO AWARD OF CONTRACT. DEMOLITION OF LINES IS SHOWN FOR CONTRACTORS REFERENCE ONLY AND SHALL NOT BE INCLUDED AS A BID QUANTITY.		DEMOLISH EXISTING PIPE		
	CURB DEMOLITION				SAWCUT EXISTING PAVEMENT EDGE TO ESTABLISH NEW JOINT LINE		
	MARKING DEMOLITION	4.	ALL DEMOLISHED MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.		DEMOLISH AND RELOCATE EXISTING COMMUNICATION FIBER LINE. SEE GENERAL NOTE 3		
	DEMOLISH EXISTING STRUCTURE, SIGN, TREE, ETC.				PROTECT EXISTING UTILITIES		

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PLOT DATE:2024-04-19



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ATKINS

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PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

STATE OF TEXAS
HOUSTON AIRPORT SYSTEM
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
DEMOLITION PLAN**
ISSUED FOR PERMIT

LEGEND	GENERAL NOTES	KEY NOTES
PAVEMENT DEMOLITION	1. ALL SALVAGED TRAFFIC SIGNS SHALL BE DELIVERED AND STORED AT A LOCATION DESIGNATED BY HAS.	① DEMOLISH EXISTING CURB
LIMITS OF BRUSH AND TREE CLEARING	2. LIMITS OF DEMOLITION SHALL BE ADJUSTED TO COINCIDE WITH THE NEAREST TRANSVERSE JOINT. IF EXISTING JOINT FACE HAS DAMAGE ADJUST LIMITS MINIMUM 1 FOOT INTO SOUND CONCRETE.	② DEMOLISH EXISTING MARKING
SIDEWALK DEMOLITION	3. COMMUNICATION AND/OR FIBER LINE WILL BE DEMOLISHED AND RELOCATED BY UTILITY PROVIDER PRIOR TO AWARD OF CONTRACT. DEMOLITION OF LINES IS SHOWN FOR CONTRACTORS REFERENCE ONLY AND SHALL NOT BE INCLUDED AS A BID QUANTITY.	③ DEMOLISH EXISTING DRAINAGE STRUCTURES
PIPE DEMOLITION	4. ALL DEMOLISHED MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH CONTRACT DOCUMENTS AND SPECIFICATIONS.	④ LIMITS OF TREE DEMOLITION
COMMUNICATION / FIBER UTILITY DEMOLITION BY OTHERS, SEE GENERAL NOTE 3		⑤ DEMOLISH EXISTING PIPE
CURB DEMOLITION		⑥ SAWCUT EXISTING PAVEMENT EDGE TO ESTABLISH NEW JOINT LINE
MARKING DEMOLITION		⑦ DEMOLISH AND RELOCATE EXISTING COMMUNICATION FIBER LINE. SEE GENERAL NOTE 3
DEMOLISH EXISTING STRUCTURE, SIGN, TREE, ETC.		⑧ PROTECT EXISTING UTILITIES
		⑨ REMOVE AND SALVAGE SIGN SEE GENERAL NOTE 1
		⑩ REMOVE, STORE, AND REPLANT TREE

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100072032

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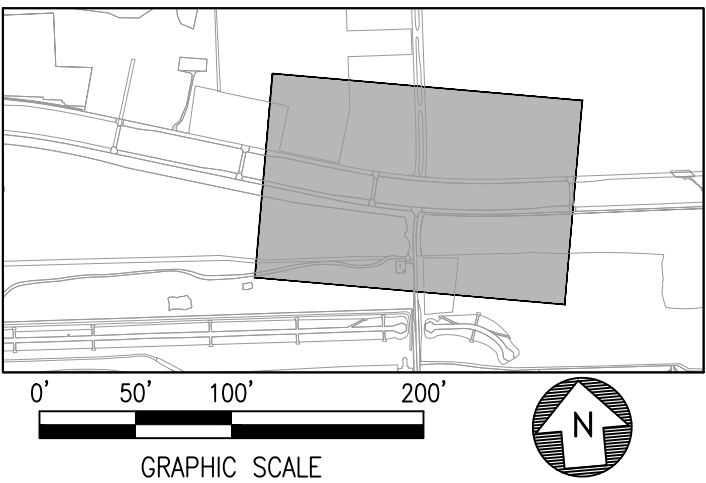
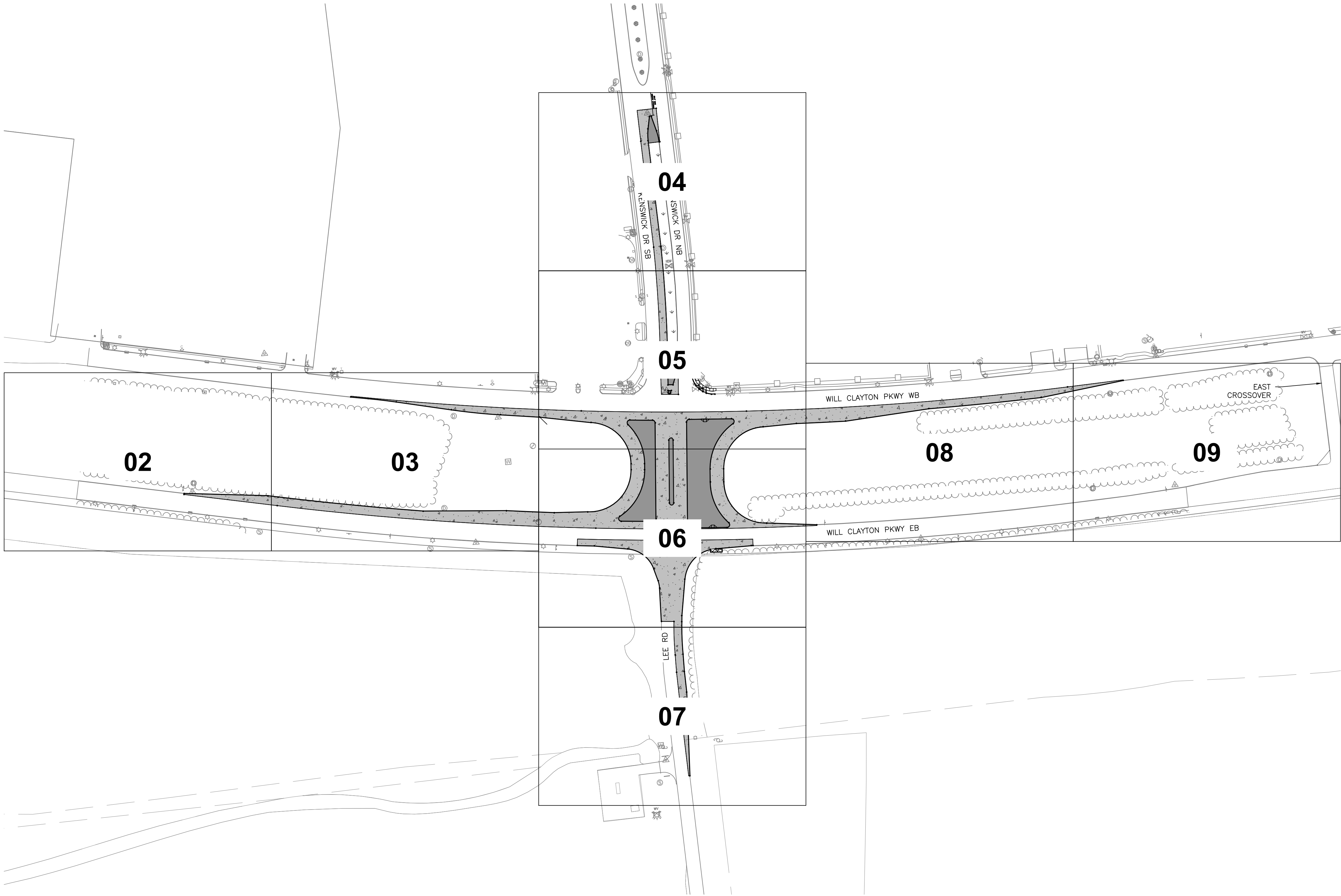
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H.A.S. NO.
935

SHEET NO.

D-109

HAS FILE: C:\PW\WORK\ATKIN\TX01\WSATKINS_DOTR3544\DWG59378\--0935-CP-101.DWG
PLOT DATE: 2024-04-19



LEGEND	NOTES
	1. SEE SHEET CP-701 FOR POINT TABLE.
	2. SEE SHEET CP-501 FOR TYPICAL SECTIONS.
	3. SEE SHEET CC-150 SERIES FOR EXISTING DIMENSIONS.
SEE SHEETS CP-551 AND CP-552	

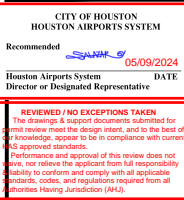


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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
OVERALL GEOMETRY AND PAVING PLAN**
ISSUED FOR PERMIT

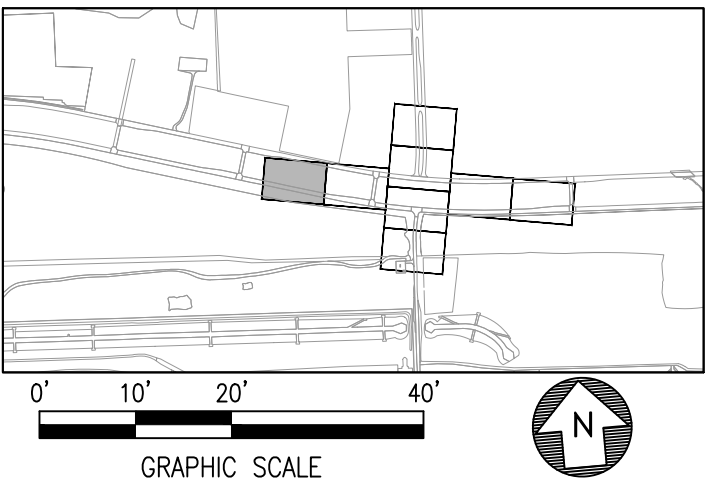
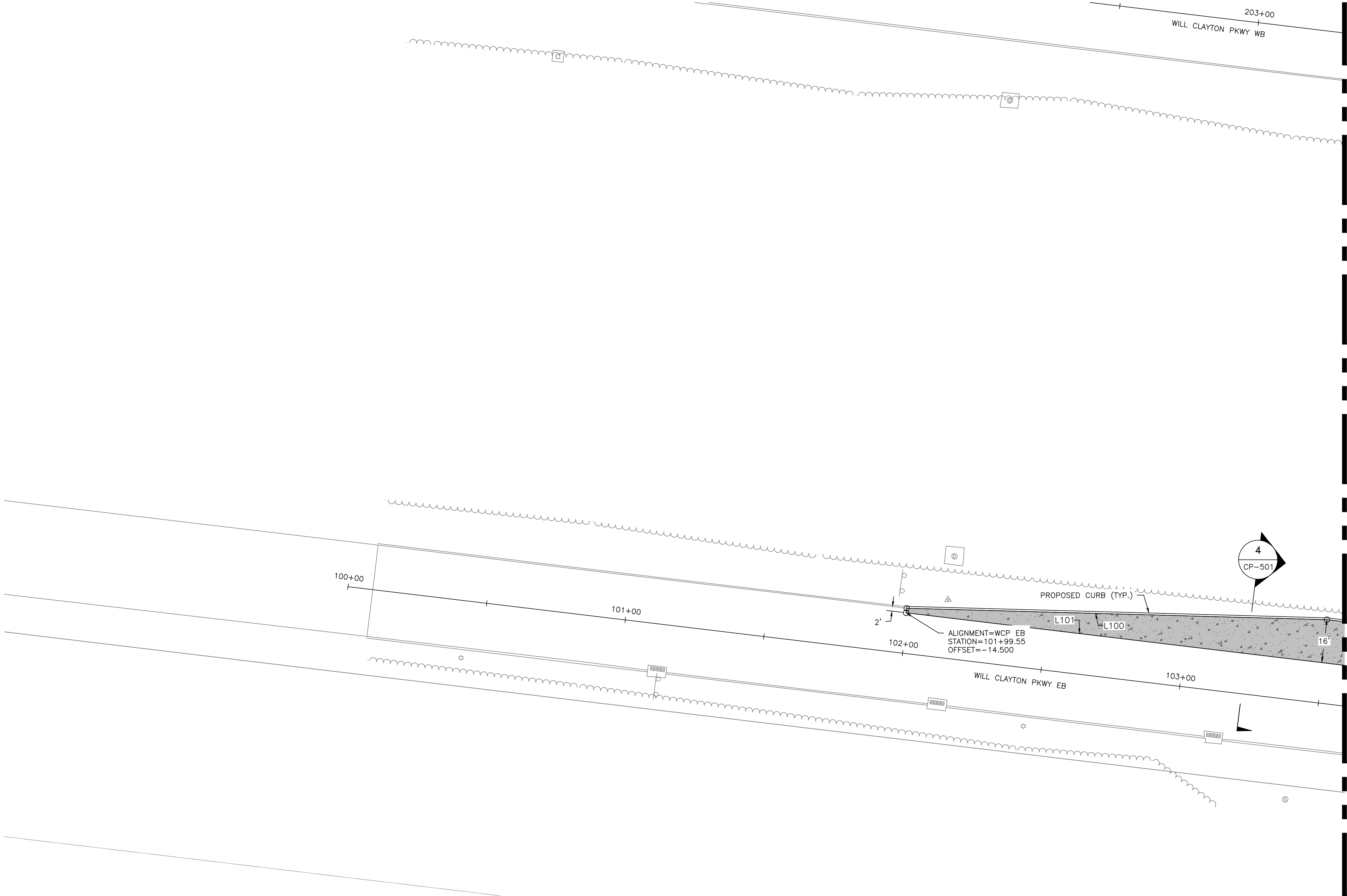
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DESIGNER:	ALR
DRAWN BY:	ALR
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SCALE:	
DATE:	05/08/2024



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H.A.S. NO.	935
SHEET NO.	

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LEGEND	
	CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (CRCP)
	CONCRETE MEDIAN
	GRASS MEDIAN
	SIDEWALK REPLACEMENT SEE SHEETS CP-551 AND CP-552

- NOTES**
- SEE SHEET CP-701 FOR POINT TABLE.
 - SEE SHEET CP-501 FOR TYPICAL SECTIONS.
 - SEE SHEET GC-150 SERIES FOR EXISTING DIMENSIONS.

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STATE OF TEXAS
COUNTY OF HARRIS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
05/08/2024

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
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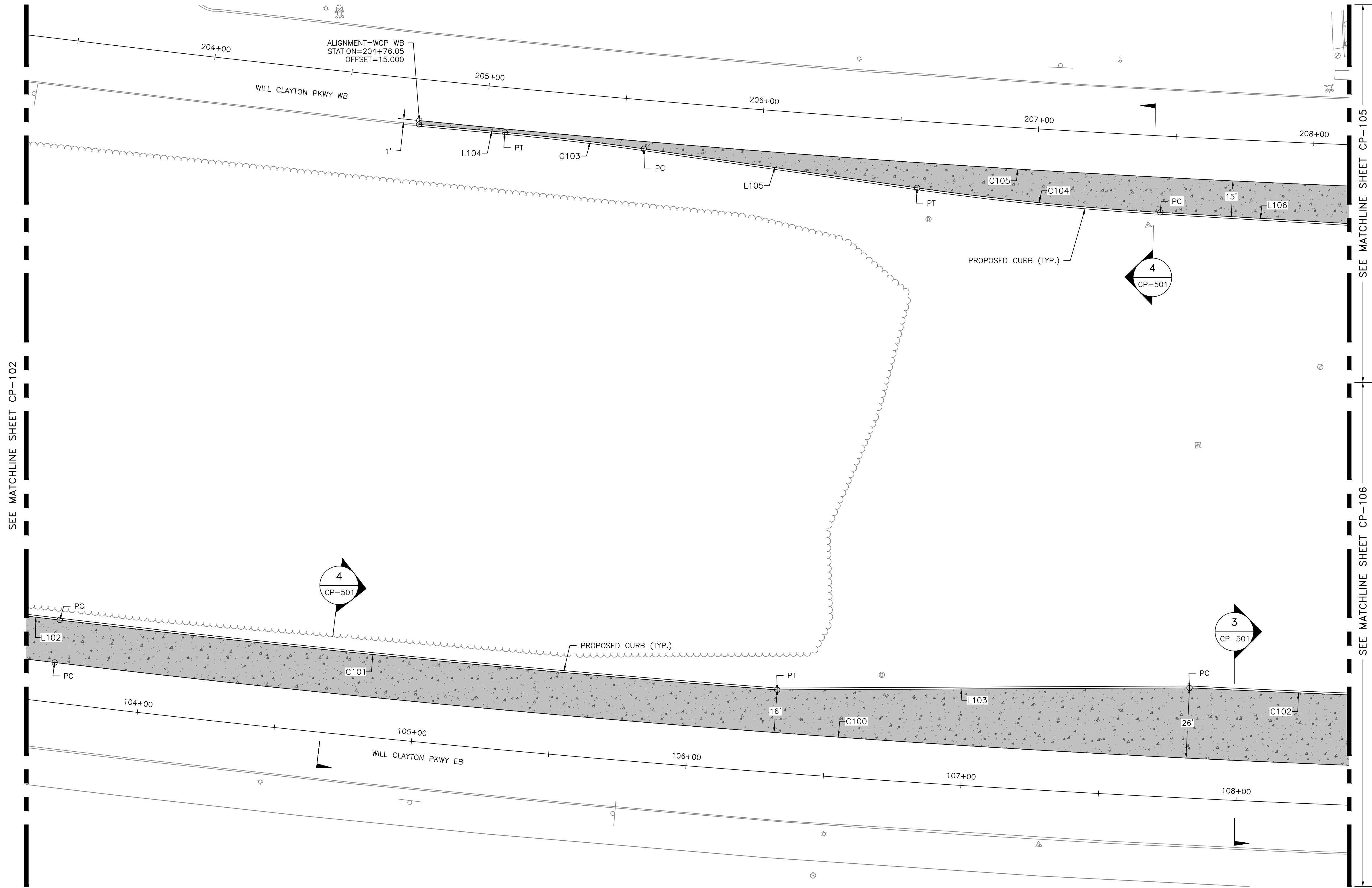
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
GEOMETRY AND PAVING PLAN**
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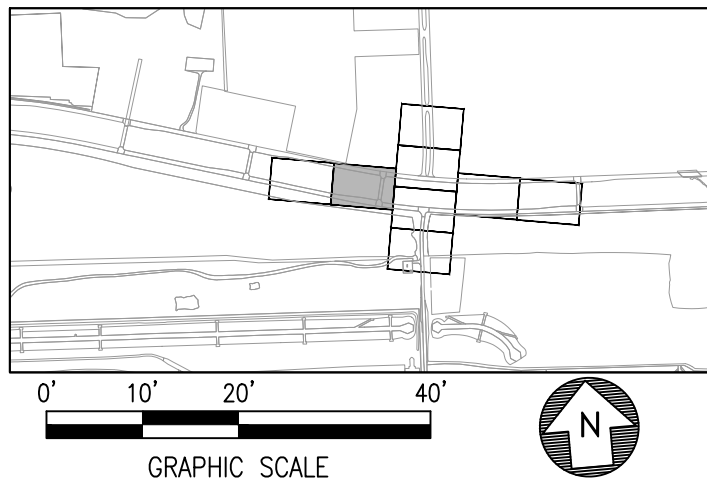
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H.A.S. NO.
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SHEET NO.

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LEGEND	
	CONTINUALLY REINFORCED CONCRETE PAVEMENT (CRCP)
	CONCRETE MEDIAN
	GRASS MEDIAN
	SIDEWALK REPLACEMENT SEE SHEETS CP-551 AND CP-552

NOTES	
1.	SEE SHEET CP-701 FOR POINT TABLE.
2.	SEE SHEET CP-501 FOR TYPICAL SECTIONS.
3.	SEE SHEET GC-150 SERIES FOR EXISTING DIMENSIONS.



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**KENSWICK DRIVE EXTENSION
GEOMETRY AND PAVING PLAN**
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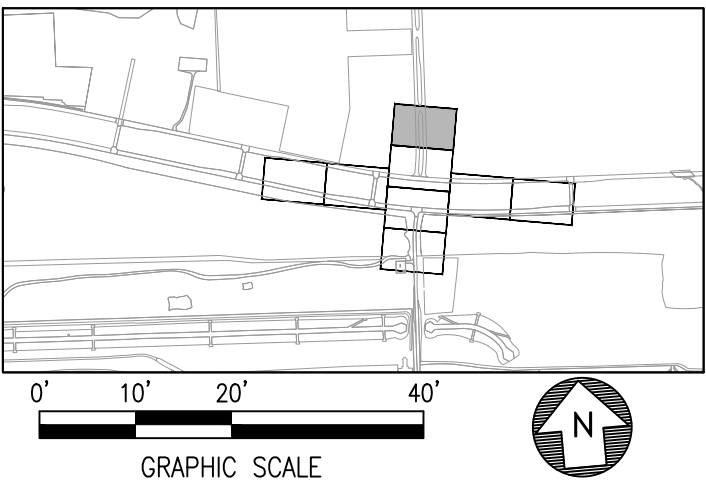
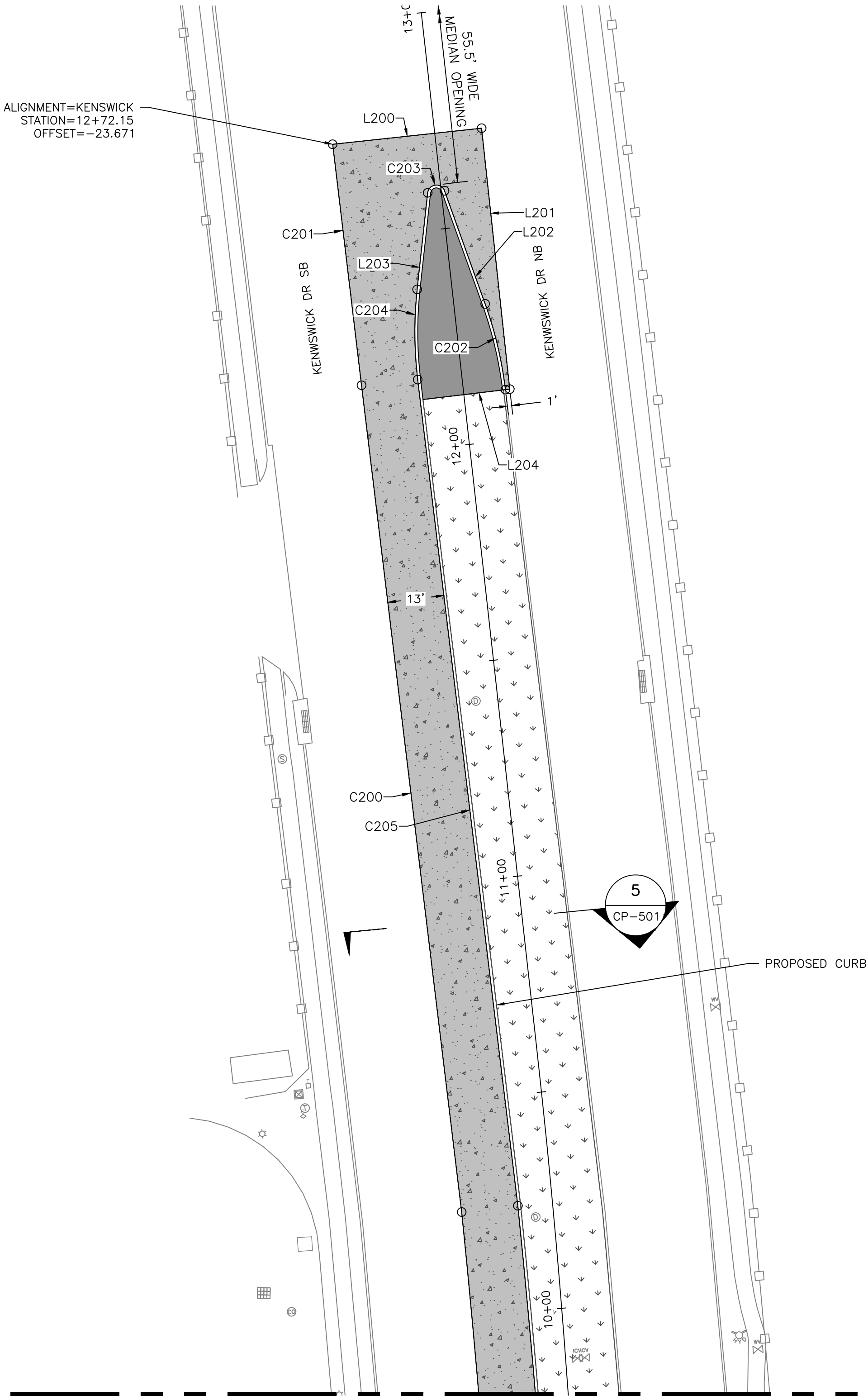
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144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
GEOMETRY AND PAVING PLAN**
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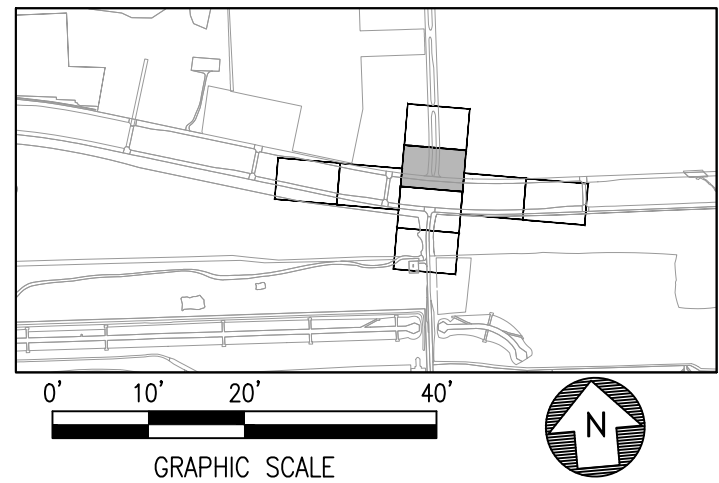
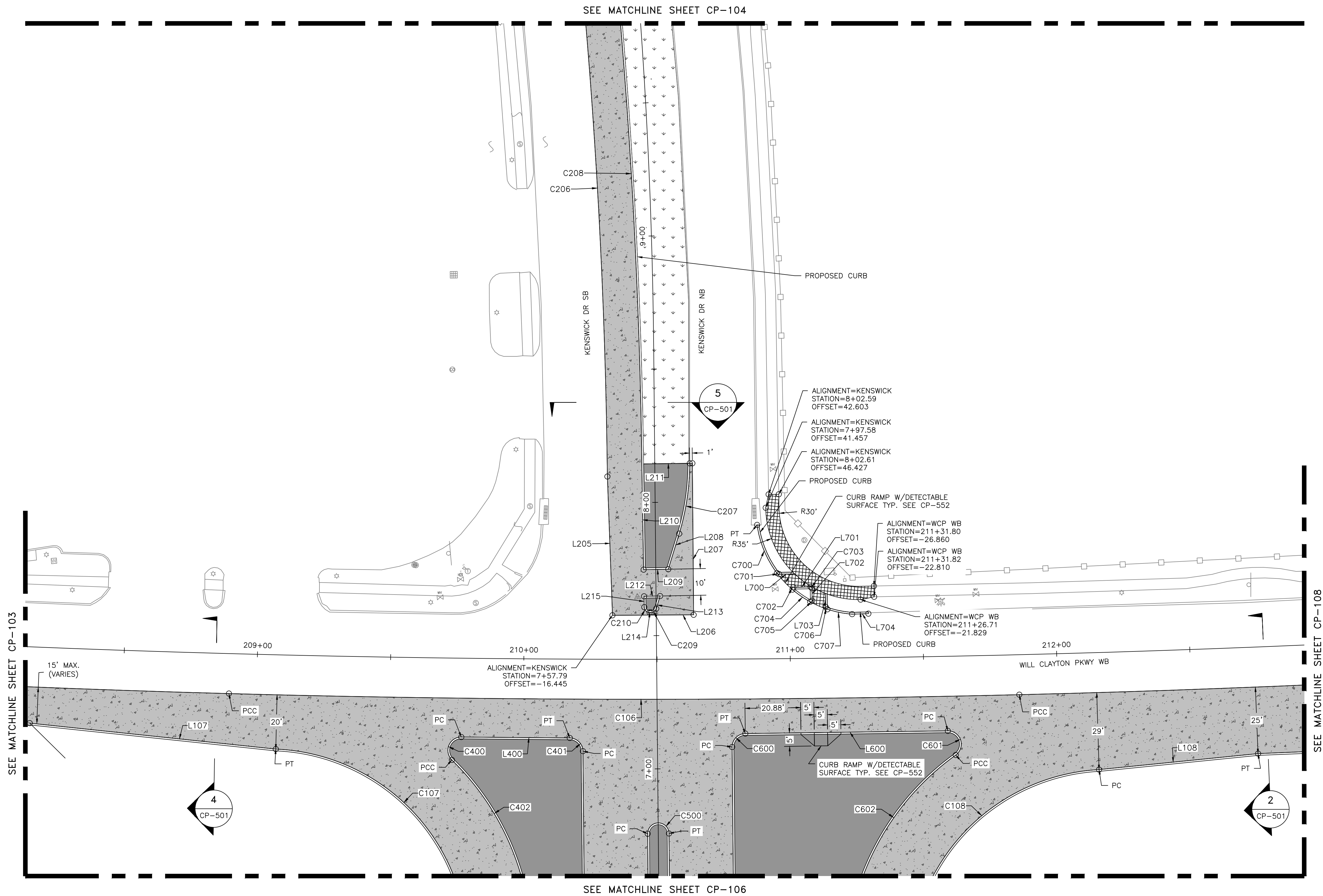
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DESIGNER:	ALR
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STATE OF TEXAS
MEGHAN, E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
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PROJECT NO.
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935

SHEET NO.

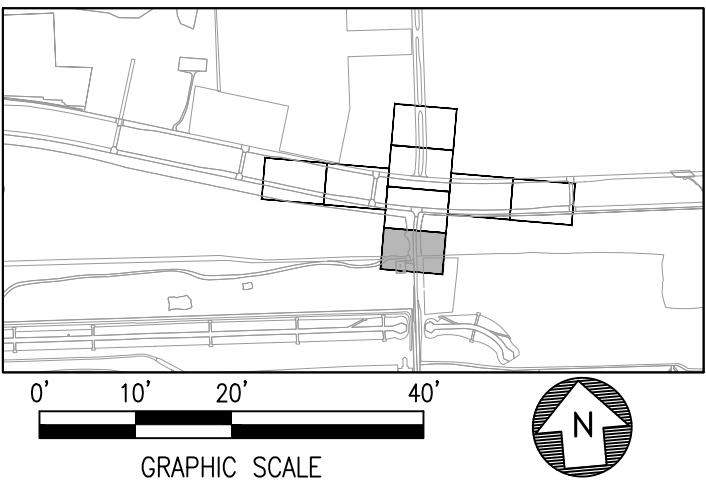
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LEGEND	
	CONTINUALLY REINFORCED CONCRETE PAVEMENT (CRCP)
	CONCRETE MEDIAN
	GRASS MEDIAN
	SIDEWALK REPLACEMENT SEE SHEETS CP-551 AND CP-552

NOTES	
1.	SEE SHEET CP-701 FOR POINT TABLE.
2.	SEE SHEET CP-501 FOR TYPICAL SECTIONS.
3.	SEE SHEET GC-150 SERIES FOR EXISTING DIMENSIONS.



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STATE OF TEXAS
COUNTY OF HARRIS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
05/08/2024

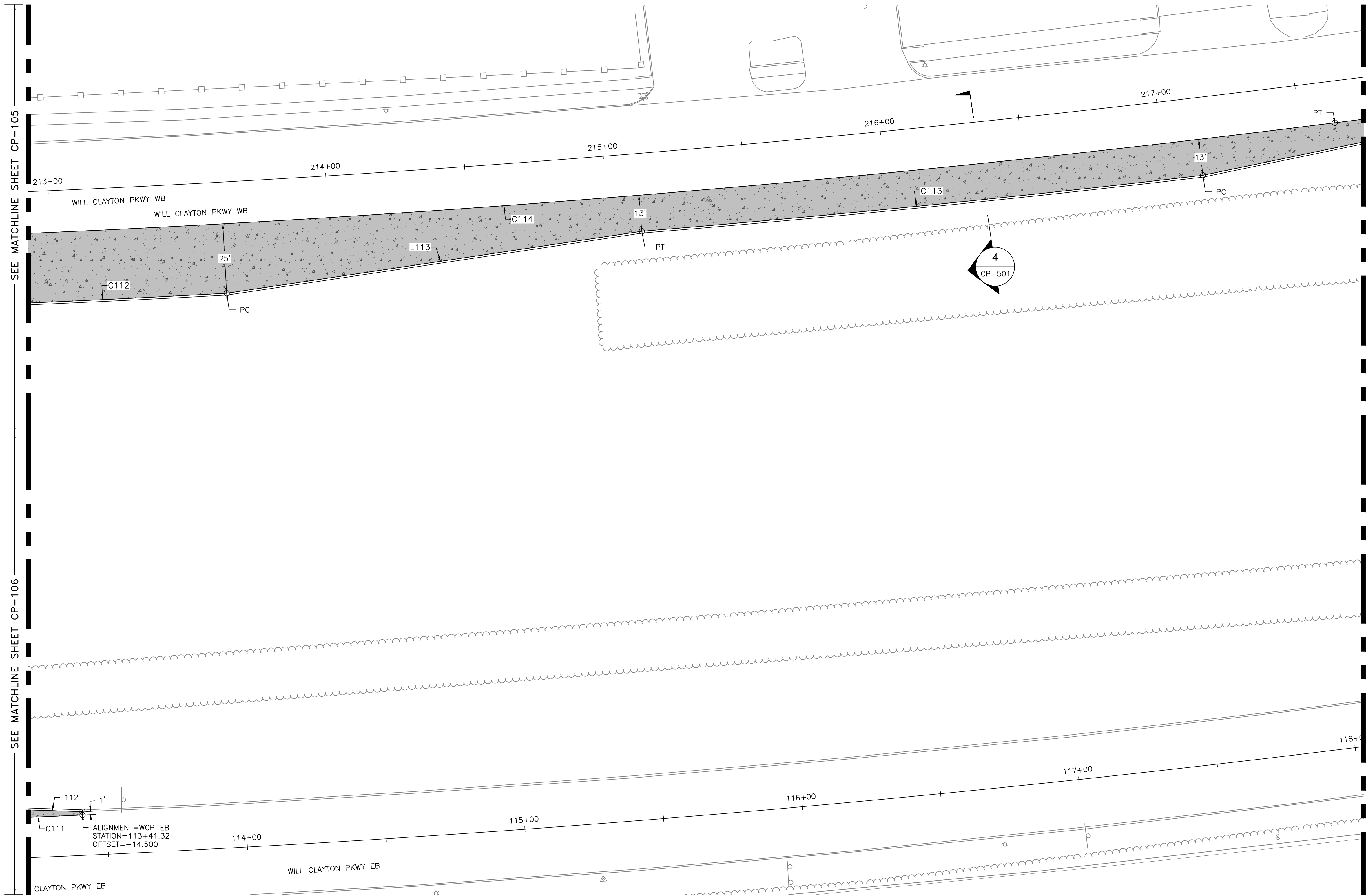
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
GEOMETRY AND PAVING PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
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DATE:	05/08/2024

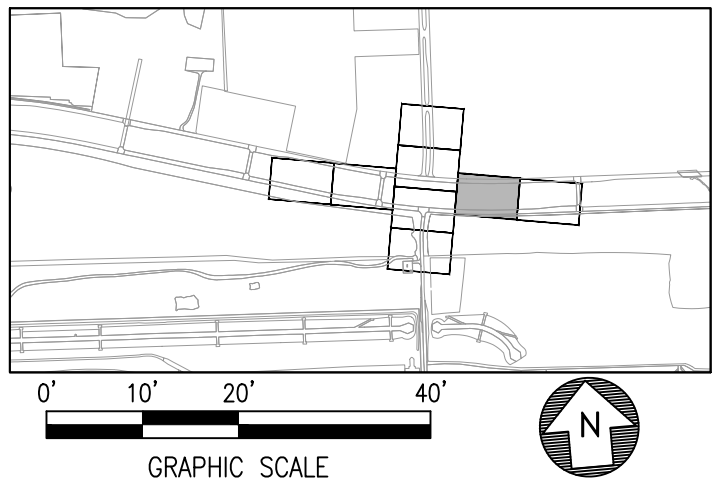


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PROJECT NO.	100072032
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C.I.P. NO.	
H.A.S. NO.	935
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PLOT DATE:2024-04-19



SEE MATCHLINE SHEET CP-109



LEGEND	
	CONTINUALLY REINFORCED CONCRETE PAVEMENT (CRCP)
	CONCRETE MEDIAN
	GRASS MEDIAN
	SIDEWALK REPLACEMENT SEE SHEETS CP-551 AND CP-552

- | NOTES | |
|-------|--|
| 1. | SEE SHEET CP-701 FOR POINT TABLE. |
| 2. | SEE SHEET CP-501 FOR TYPICAL SECTIONS. |
| 3. | SEE SHEET GC-150 SERIES FOR EXISTING DIMENSIONS. |

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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
GEOMETRY AND PAVING PLAN**

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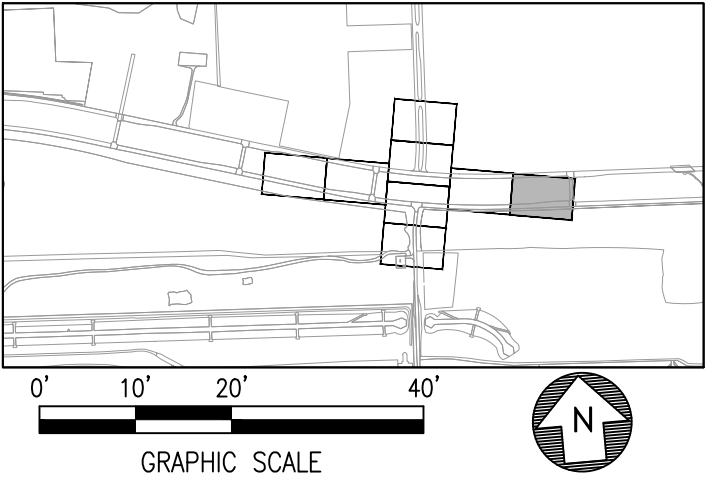
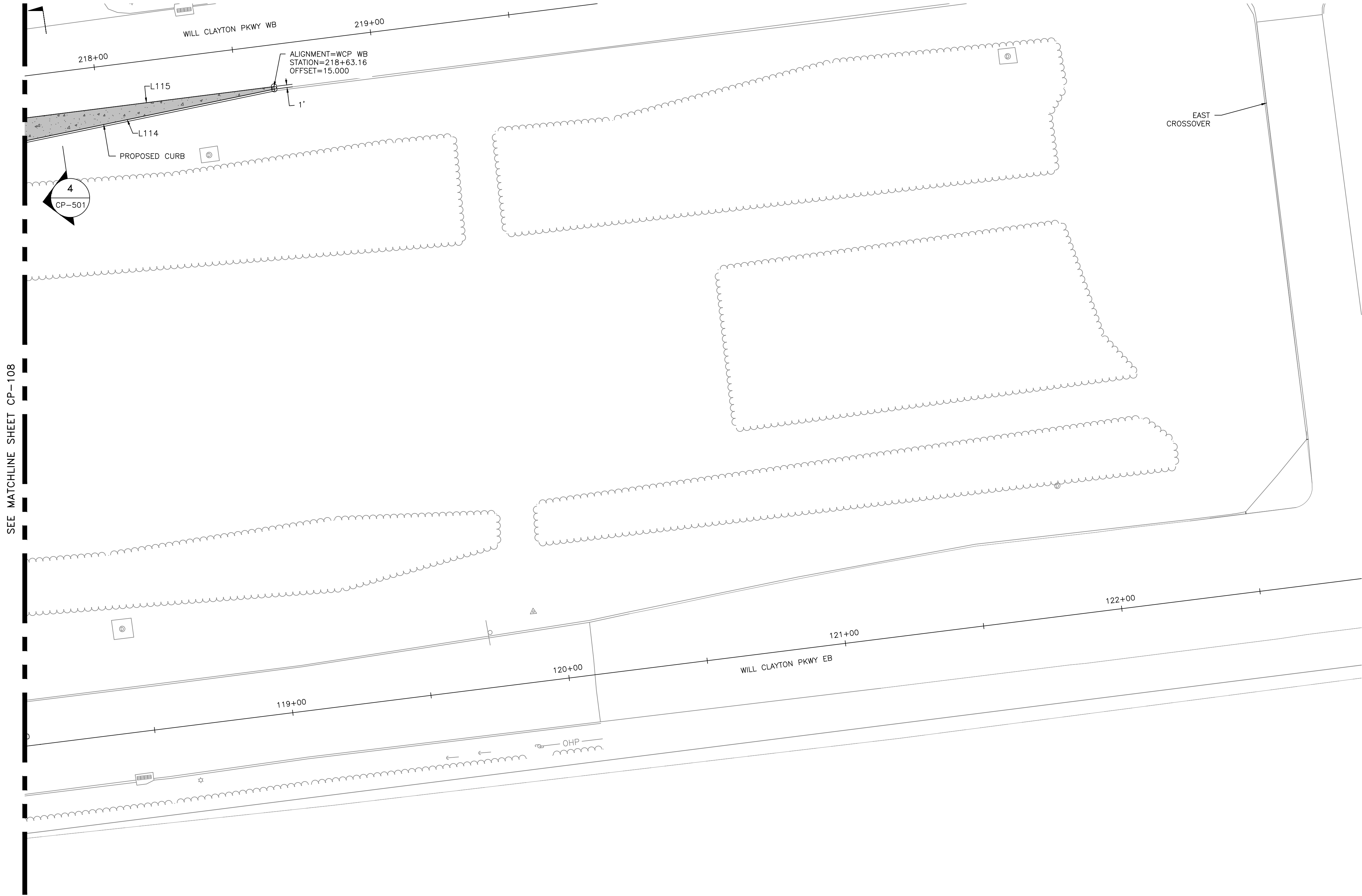
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LEGEND	
	CONTINUALLY REINFORCED CONCRETE PAVEMENT (CRCP)
	CONCRETE MEDIAN
	GRASS MEDIAN
	SIDEWALK REPLACEMENT SEE SHEETS CP-551 AND CP-552

- | NOTES |
|---|
| 1. SEE SHEET CP-701 FOR POINT TABLE. |
| 2. SEE SHEET CP-501 FOR TYPICAL SECTIONS. |
| 3. SEE SHEET GC-150 SERIES FOR EXISTING DIMENSIONS. |

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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION

GEOMETRY AND PAVING PLAN

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PROJECT MGR:	MES
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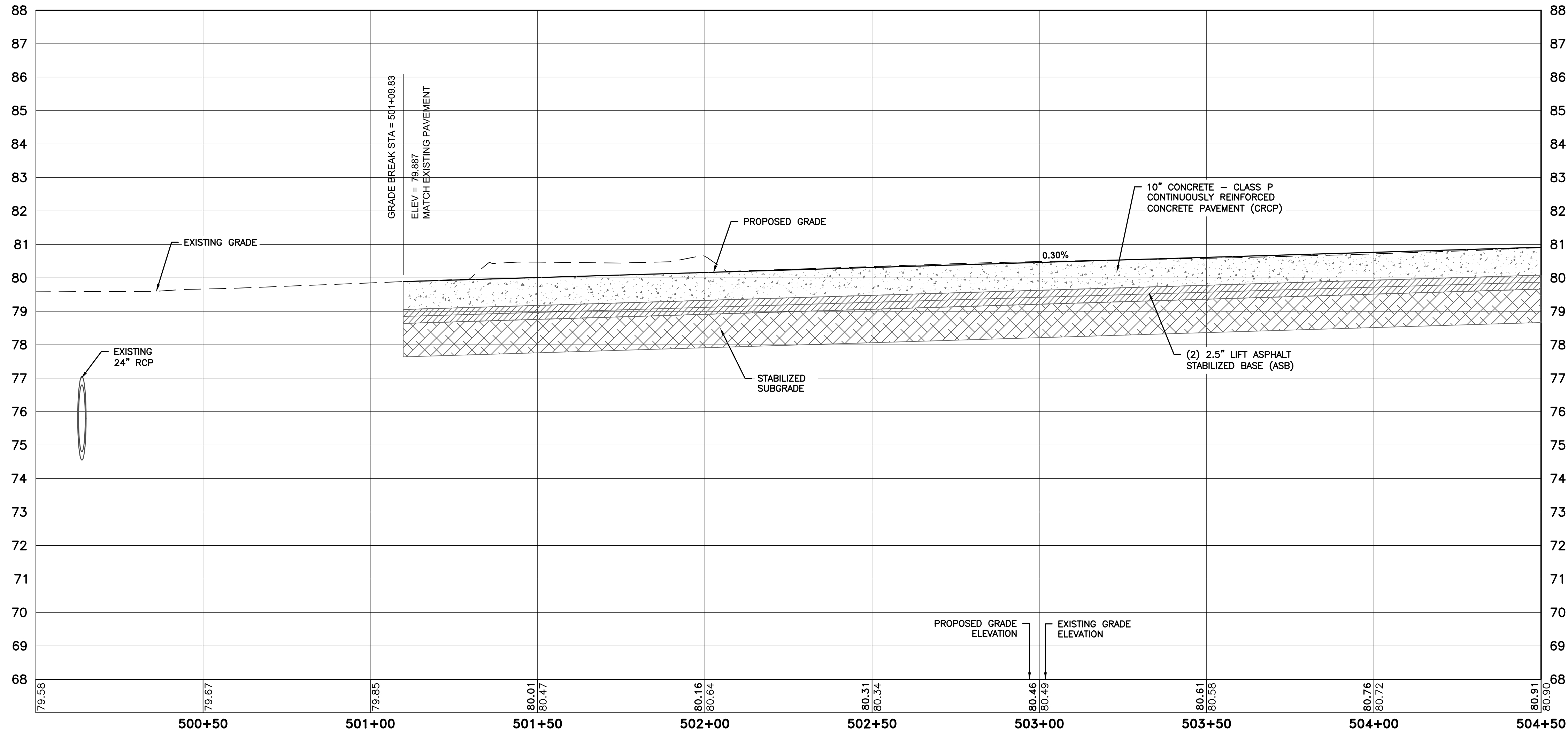
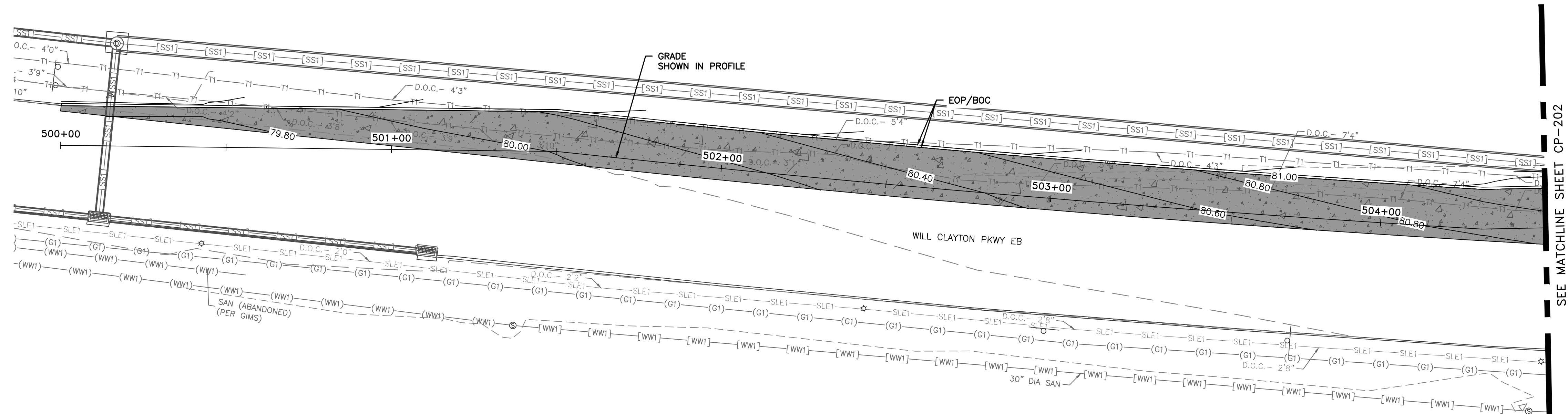
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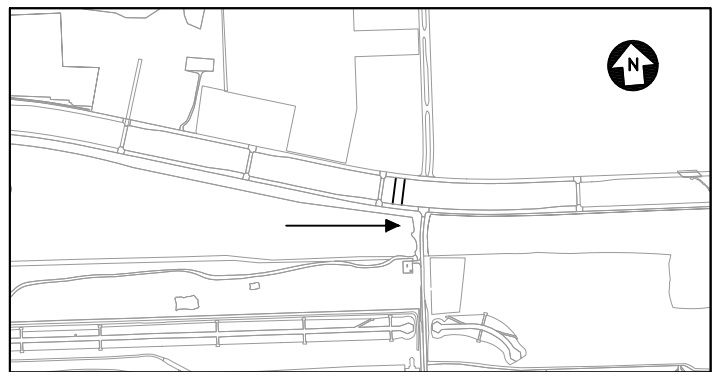
H.A.S. NO.
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PLOT DATE: 2024-04-19



WILL CLAYTON RD EB TO WB U-TURN ROADWAY PROFILE (STA.:500+00 TO 504+50)



- NOTE**
- SEE SHEET CP-501 FOR TYPICAL SECTIONS.
 - REFER TO CD-100 SERIES AND CD-200 SERIES FOR FULL UTILITY INFORMATION.

REVISIONS		
NO.	DESCRIPTION	DATE BY

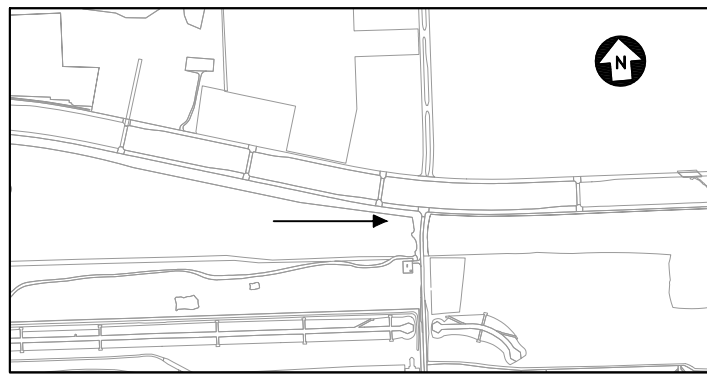
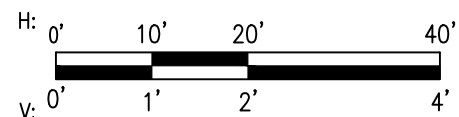
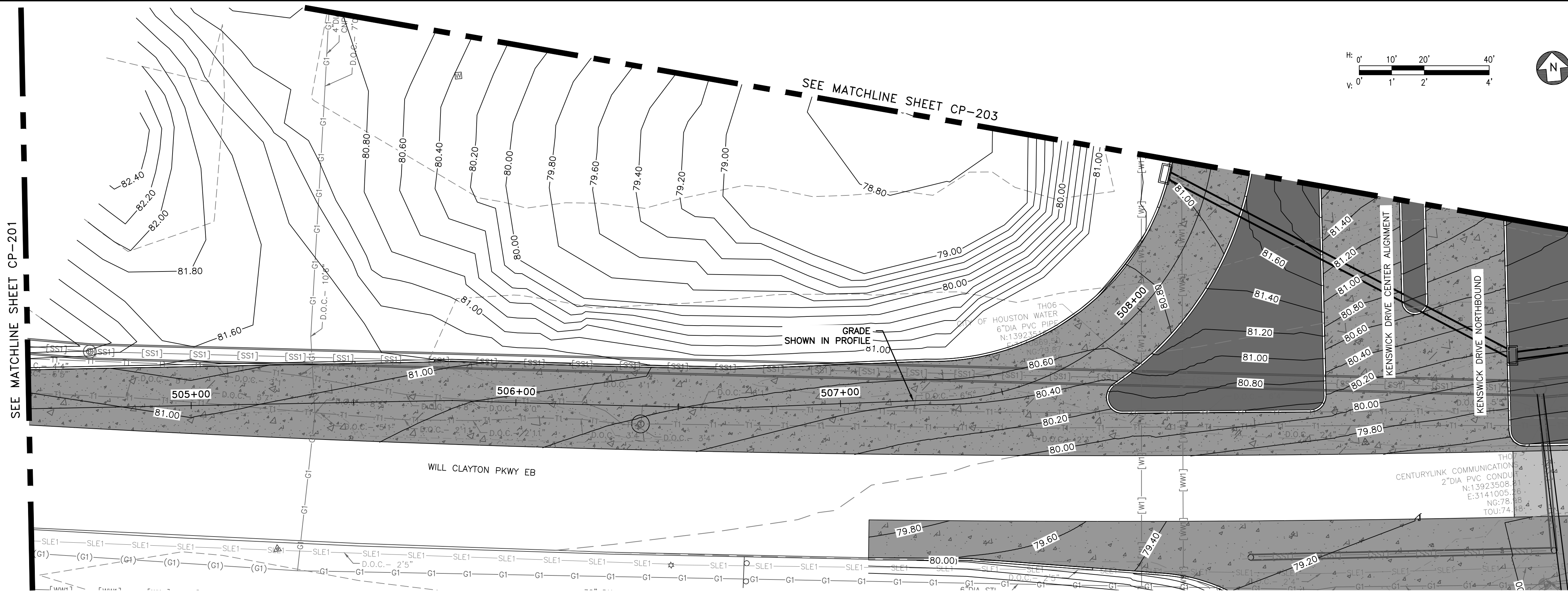
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
ROADWAY PLAN AND PROFILES
ISSUED FOR PERMIT

PROJECT MGR:	MES
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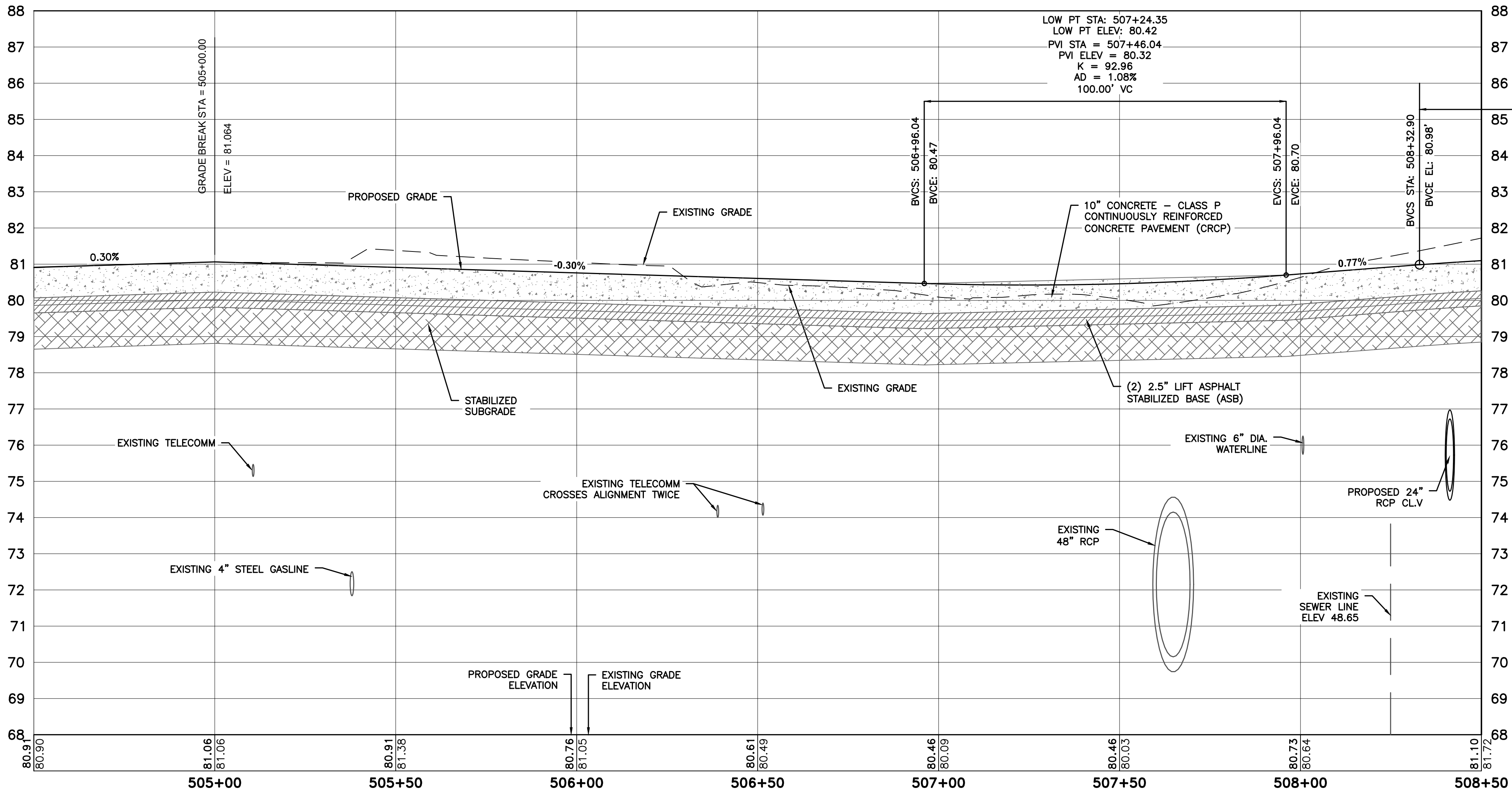
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VIEW DIRECTION MAP

NOTE

1. SEE SHEET CP-501 FOR TYPICAL SECTIONS.
2. REFER TO CD-100 SERIES AND CD-200 SERIES FOR FULL UTILITY INFORMATION.



WILL CLAYTON RD EB TO WB U-TURN ROADWAY PROFILE (STA.:504+50 TO 508+50)

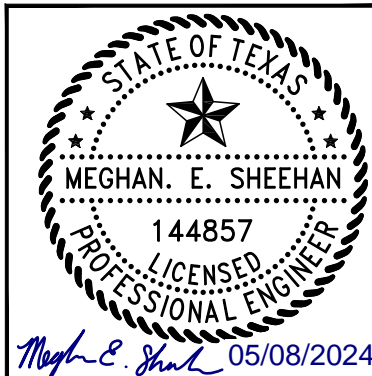
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
ROADWAY PLAN AND PROFILES

ISSUED FOR PERMIT

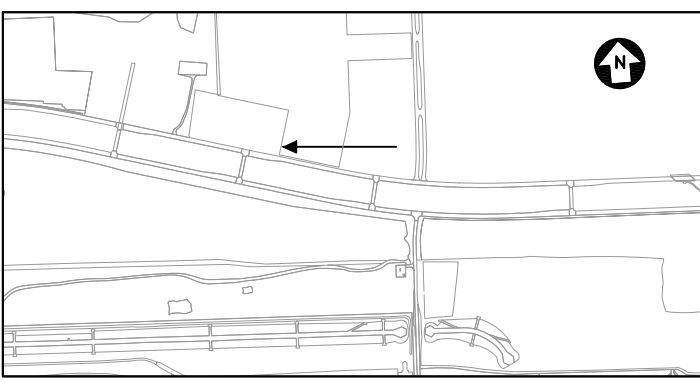
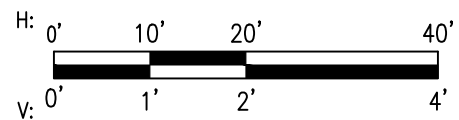
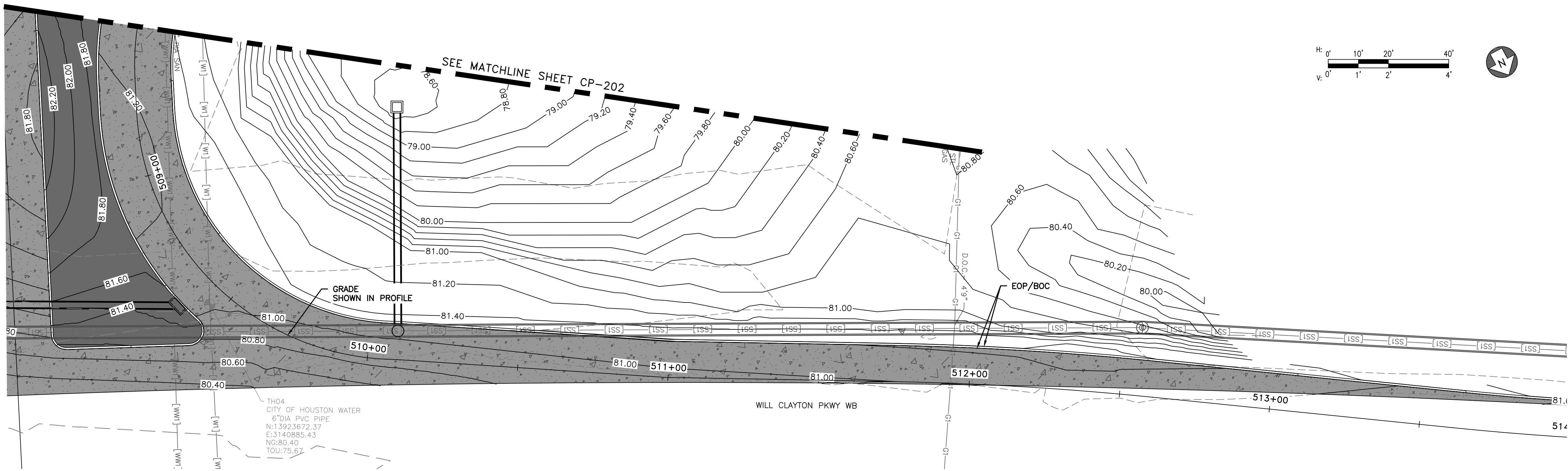
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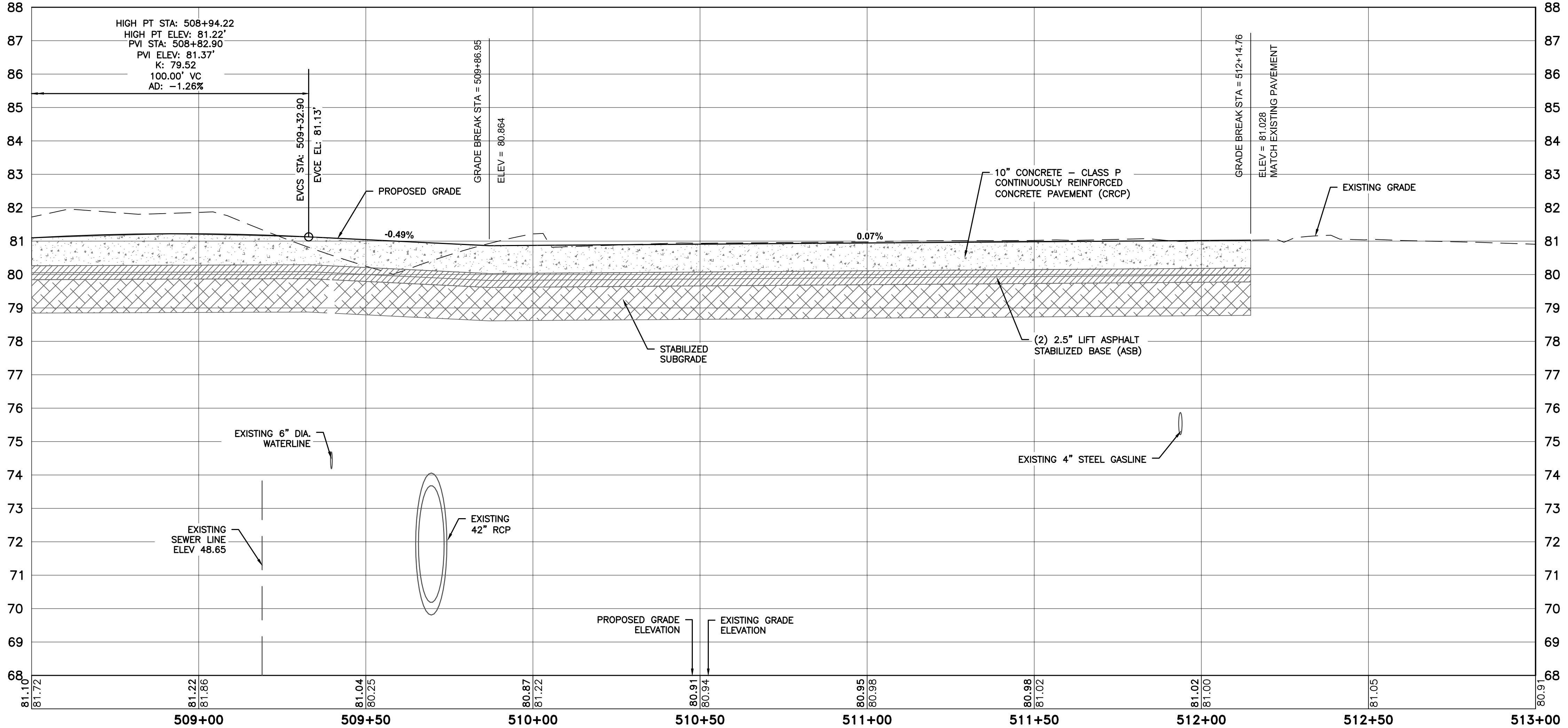
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NOTE
1. SEE SHEET CP-501 FOR TYPICAL SECTIONS.



WILL CLAYTON RD EB TO WB U-TURN ROADWAY PROFILE (STA.:508+50 TO 513+00)

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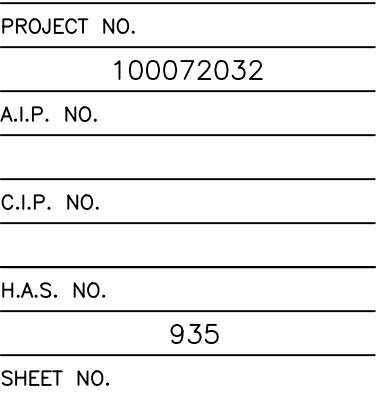
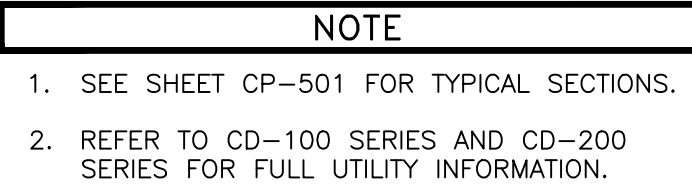
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NO.	DESCRIPTION	DATE BY

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE: 05/08/2024
DATE: 05/08/2024

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C.I.P. NO. _____
H.A.S. NO. 935
SHEET NO. _____

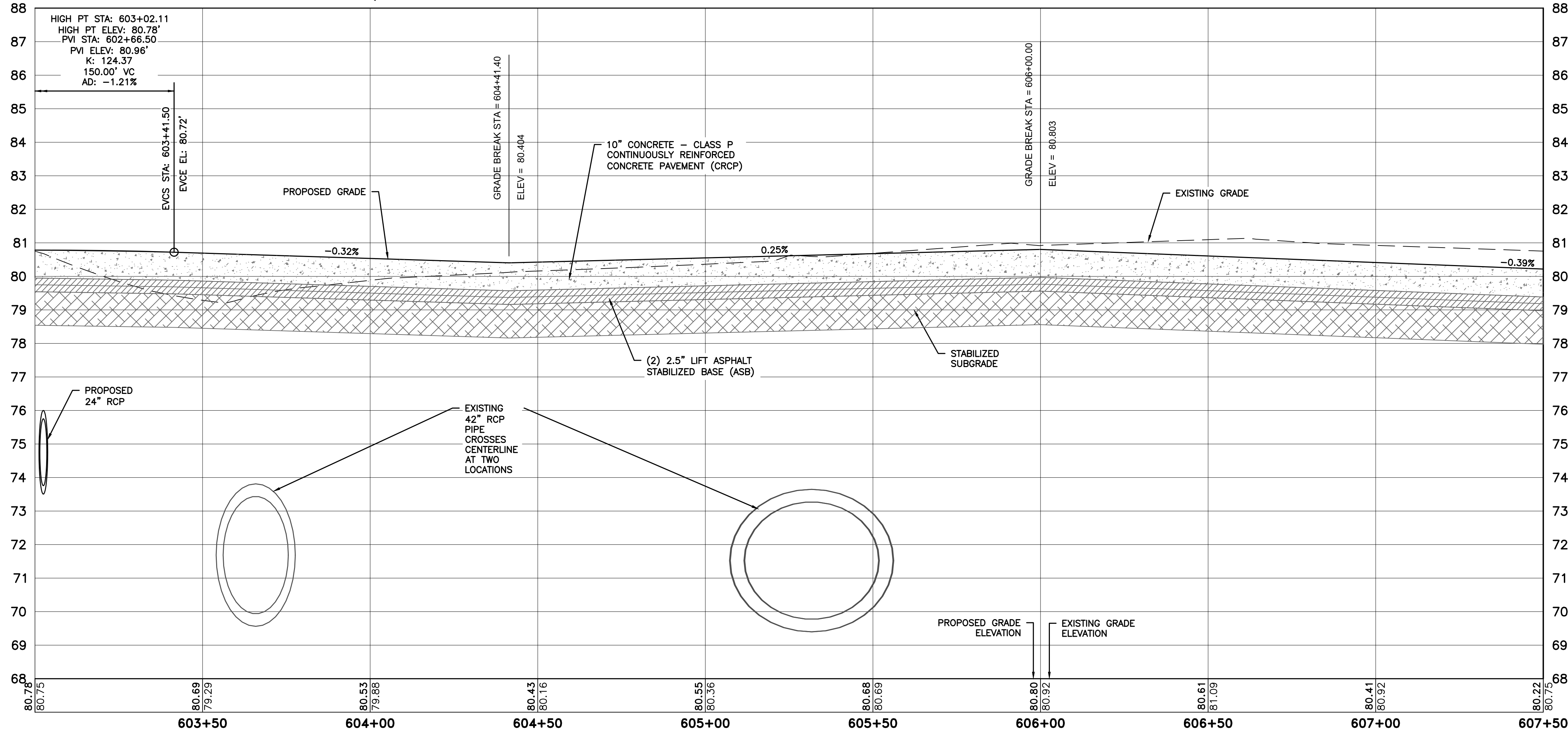
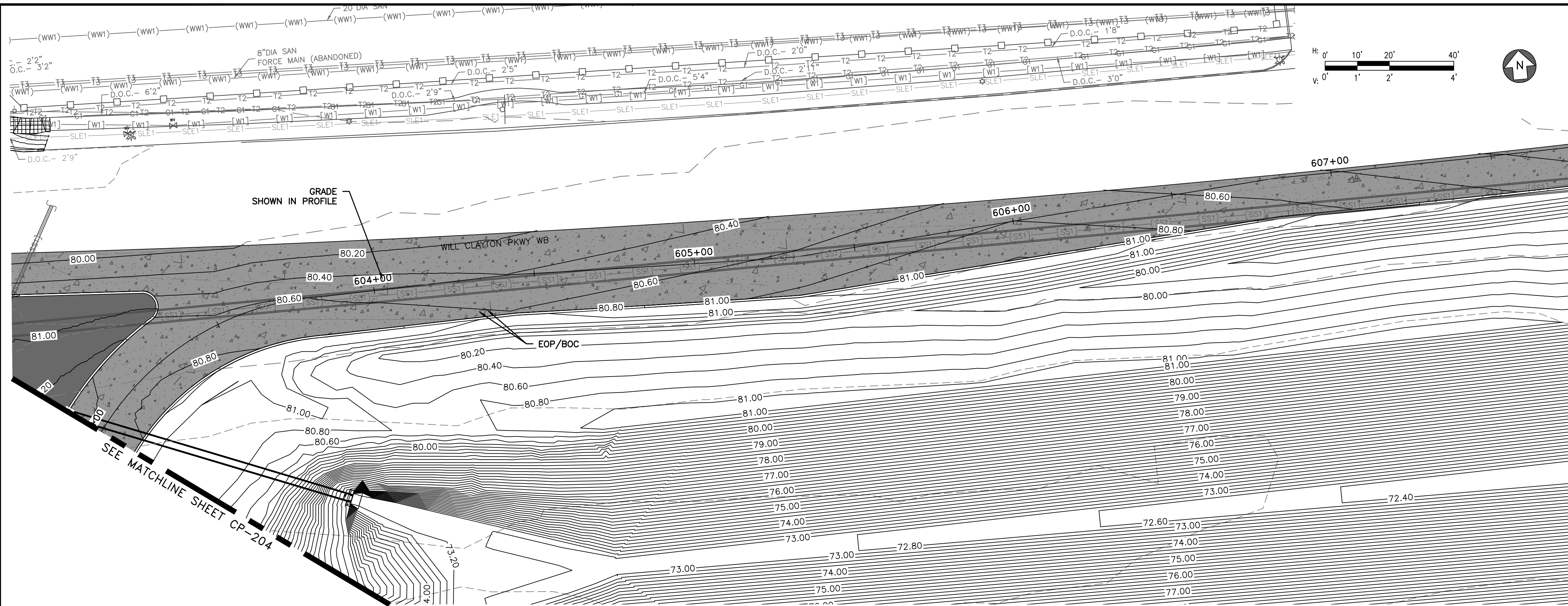
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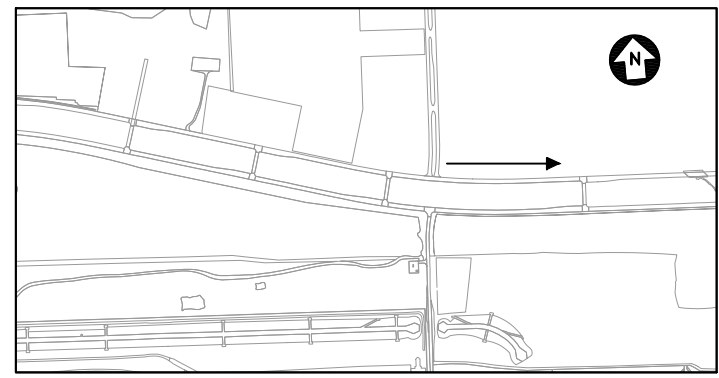
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PLOT DATE: 2024-04-19



WILL CLAYTON RD WB TO EB U-TURN ROADWAY PROFILE (STA.:603+00 TO 607+50)



VIEW DIRECTION MAP

NOTE

1. SEE SHEET CP-501 FOR TYPICAL SECTIONS.
2. REFER TO CD-100 SERIES AND CD-200 SERIES FOR FULL UTILITY INFORMATION.

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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
ROADWAY PLAN AND PROFILES

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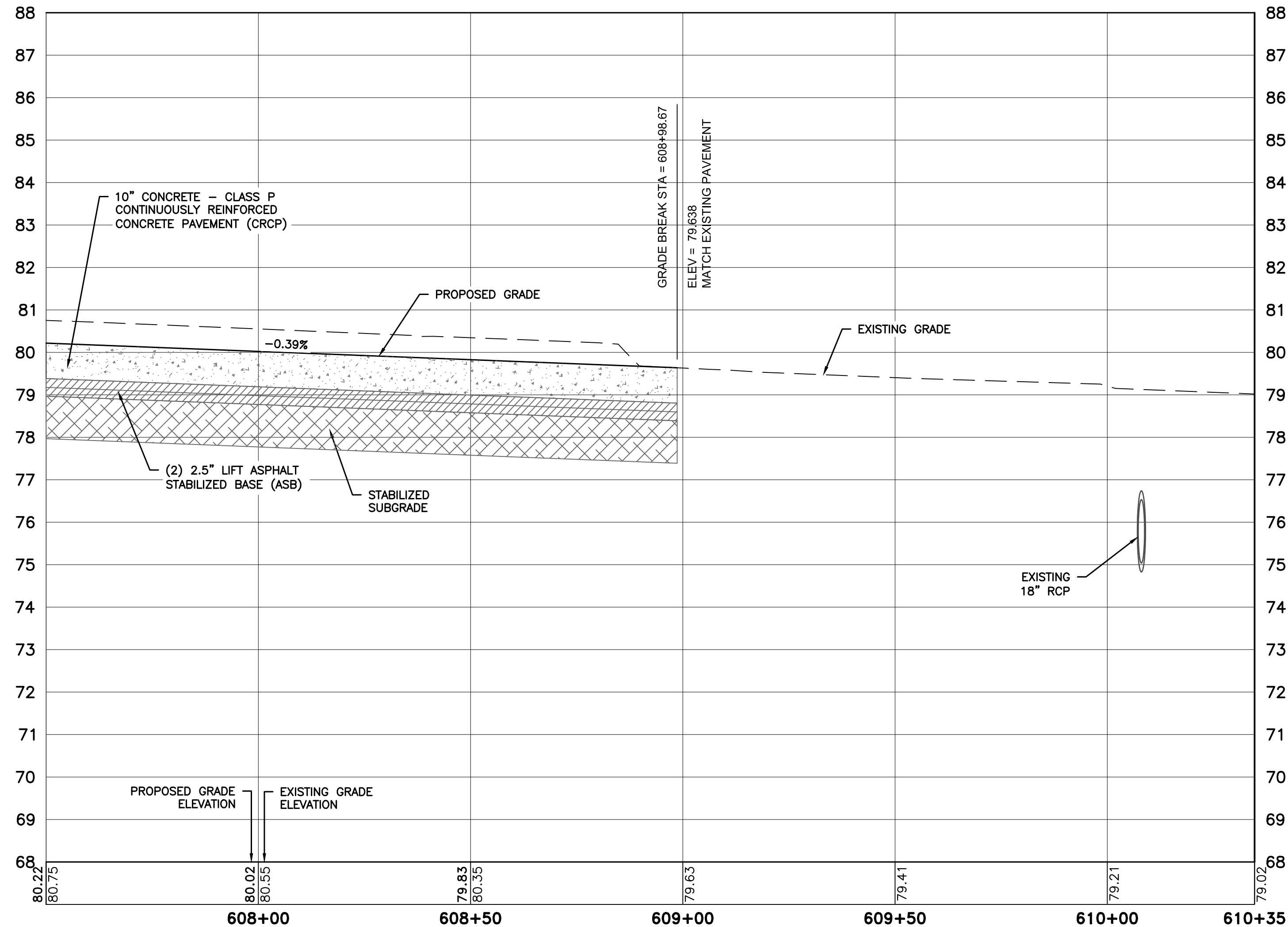
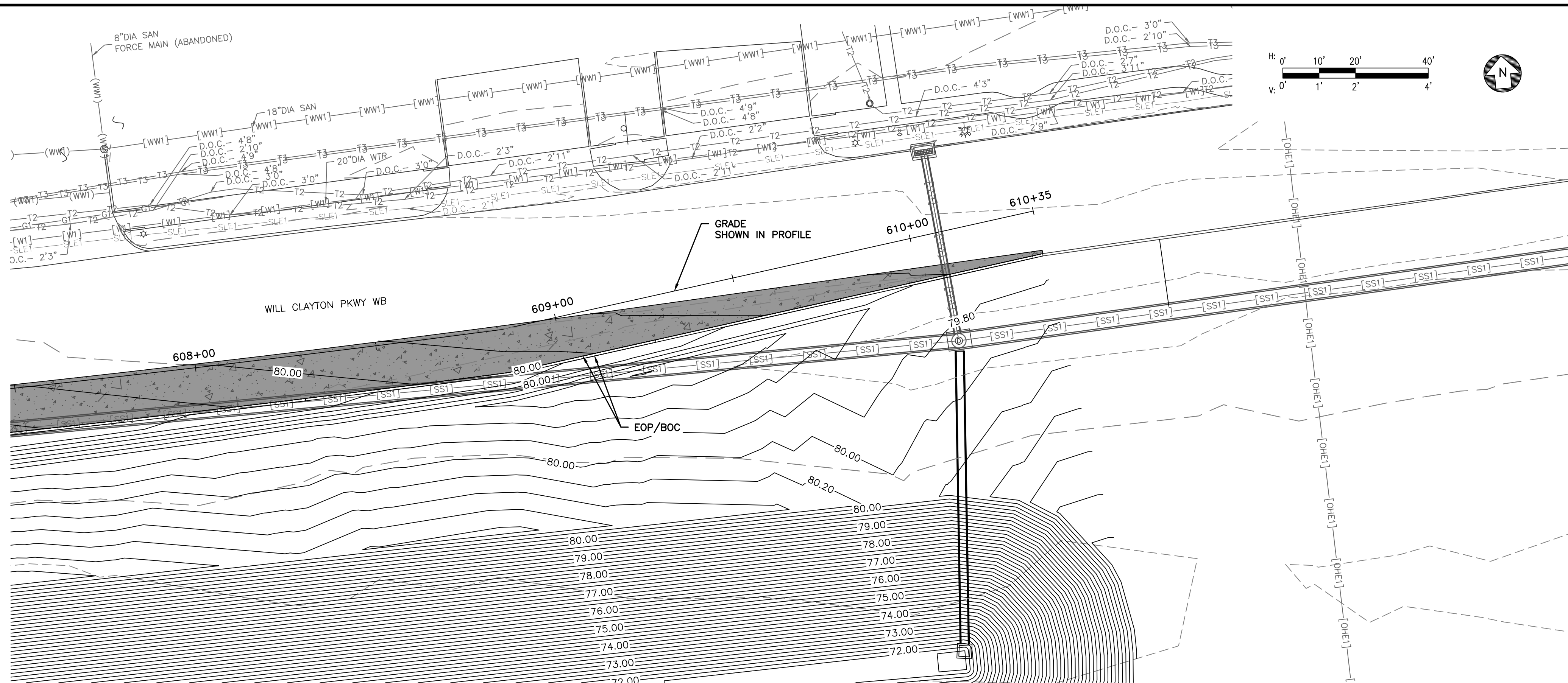
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DATE: 05/08/2024



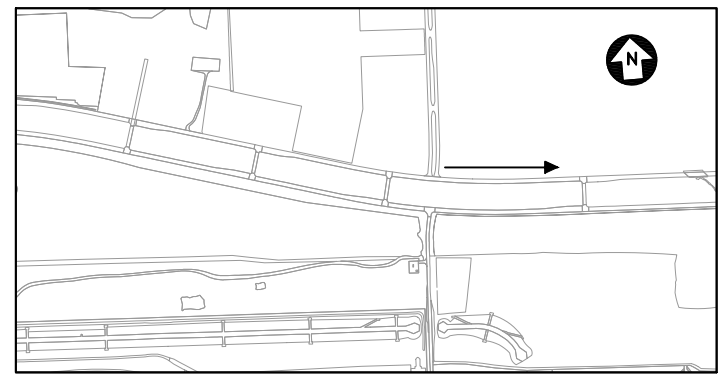
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A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

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PLOT DATE:2024-04-19



WILL CLAYTON RD WB TO EB U-TURN ROADWAY PROFILE (STA.:607+50 TO 610+35)



VIEW DIRECTION MAP

NOTE

1. SEE SHEET CP-501 FOR TYPICAL SECTIONS.
2. REFER TO CD-100 SERIES AND CD-200 SERIES FOR FULL UTILITY INFORMATION.



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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
ROADWAY PLAN AND PROFILES**

ISSUED FOR PERMIT

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DESIGNER: ALR
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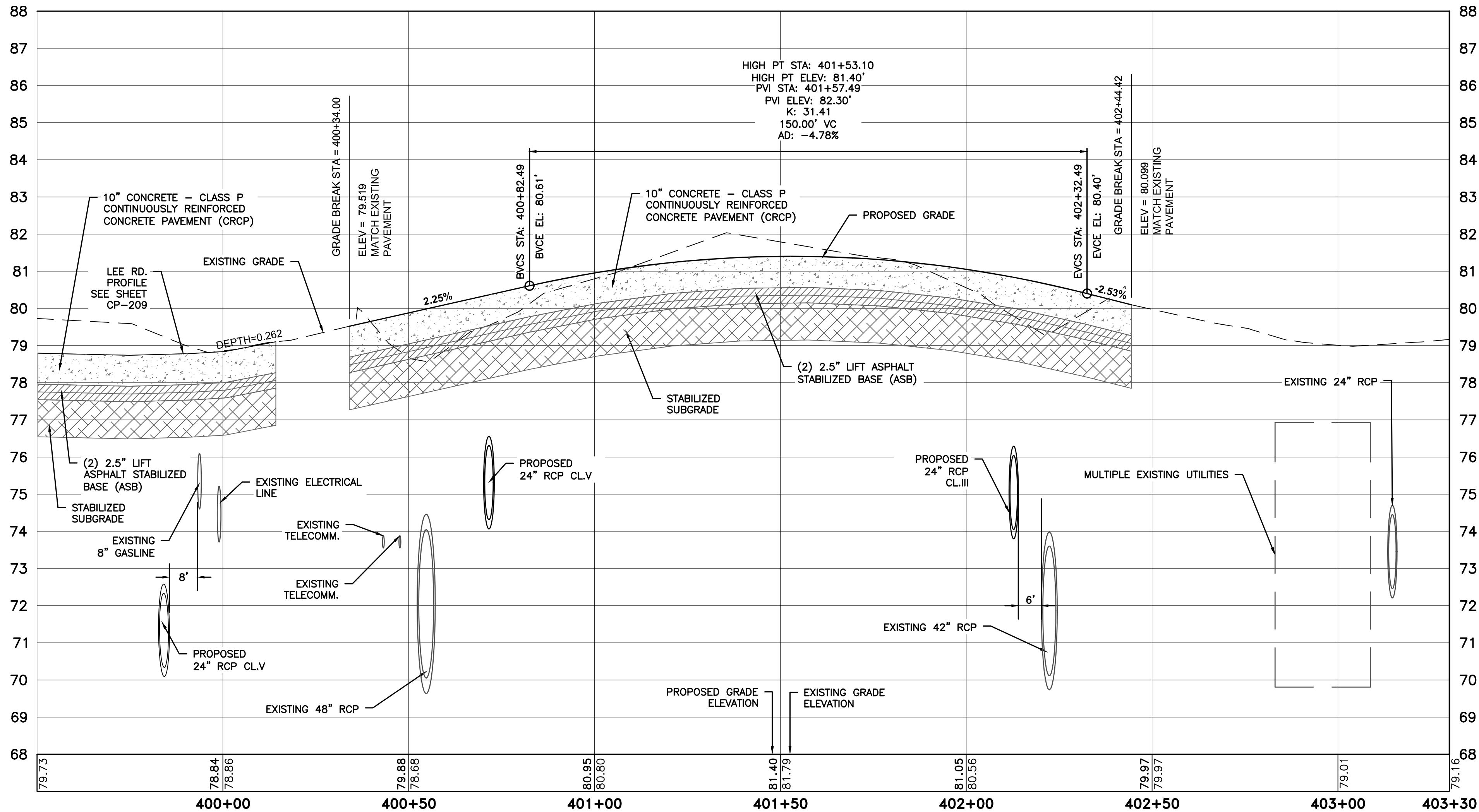
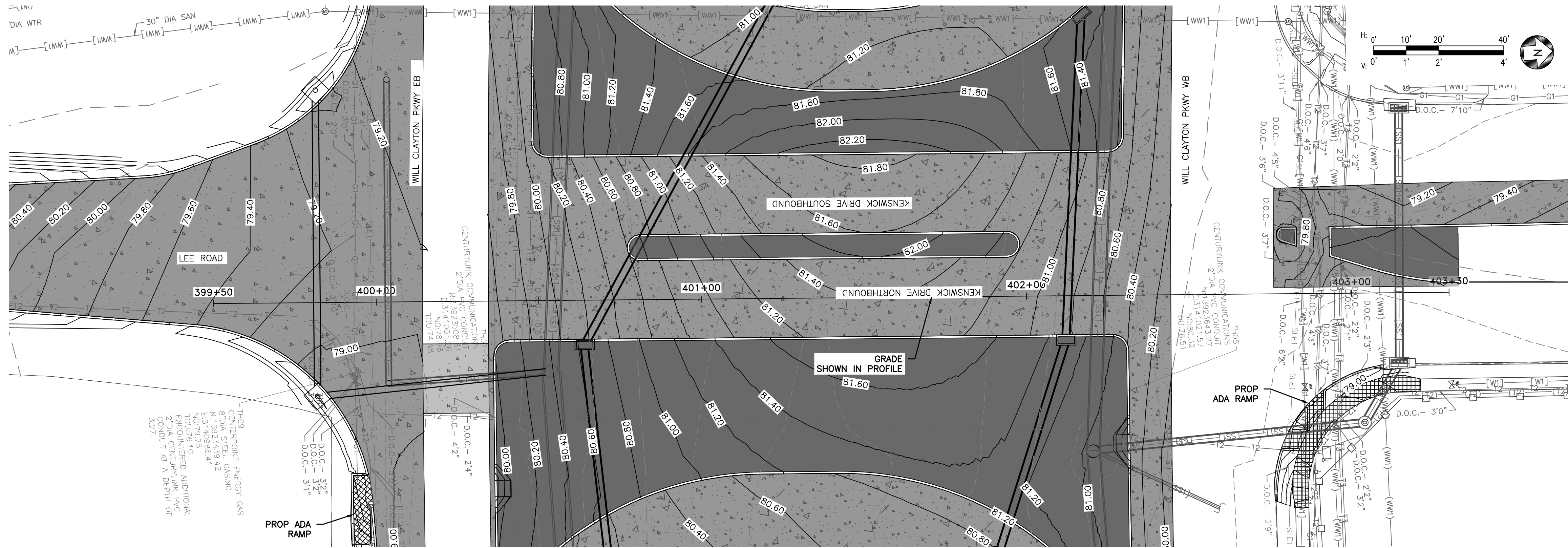
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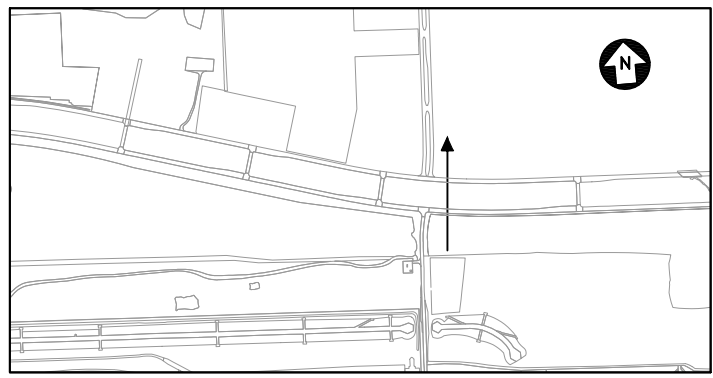
PROJECT NO.
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A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

CP-206

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PLOT DATE: 2024-04-19



KENSWICK DRIVE NORTHBOUND ROADWAY PROFILE (STA.:399+50 TO 403+50)



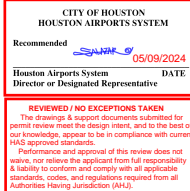
VIEW DIRECTION MAP

NOTE

- SEE SHEET CP-501 FOR TYPICAL SECTIONS.
- REFER TO CD-100 SERIES AND CD-200 SERIES FOR FULL UTILITY INFORMATION.

REVISIONS

NO.	DESCRIPTION	DATE	BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
ROADWAY PLAN AND PROFILES

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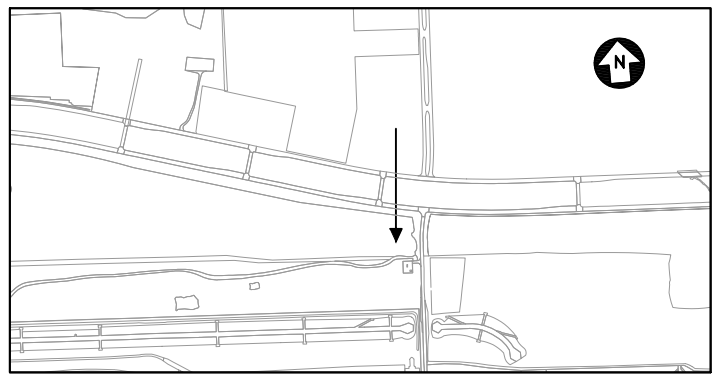
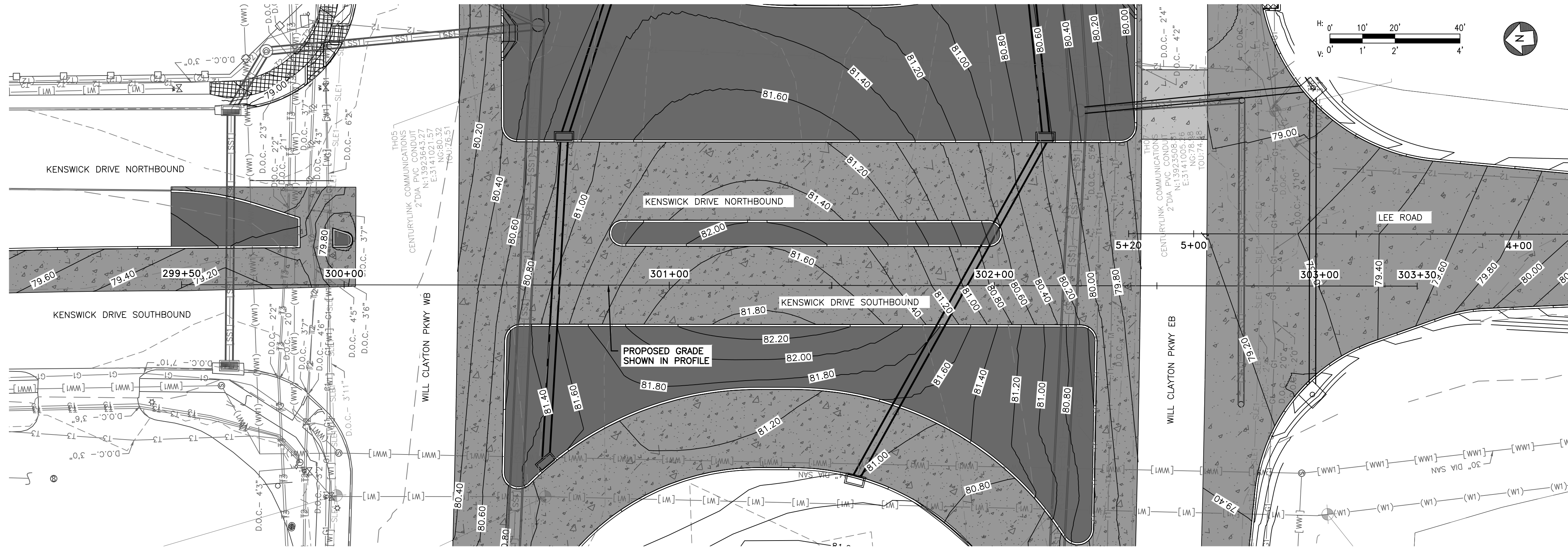
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DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



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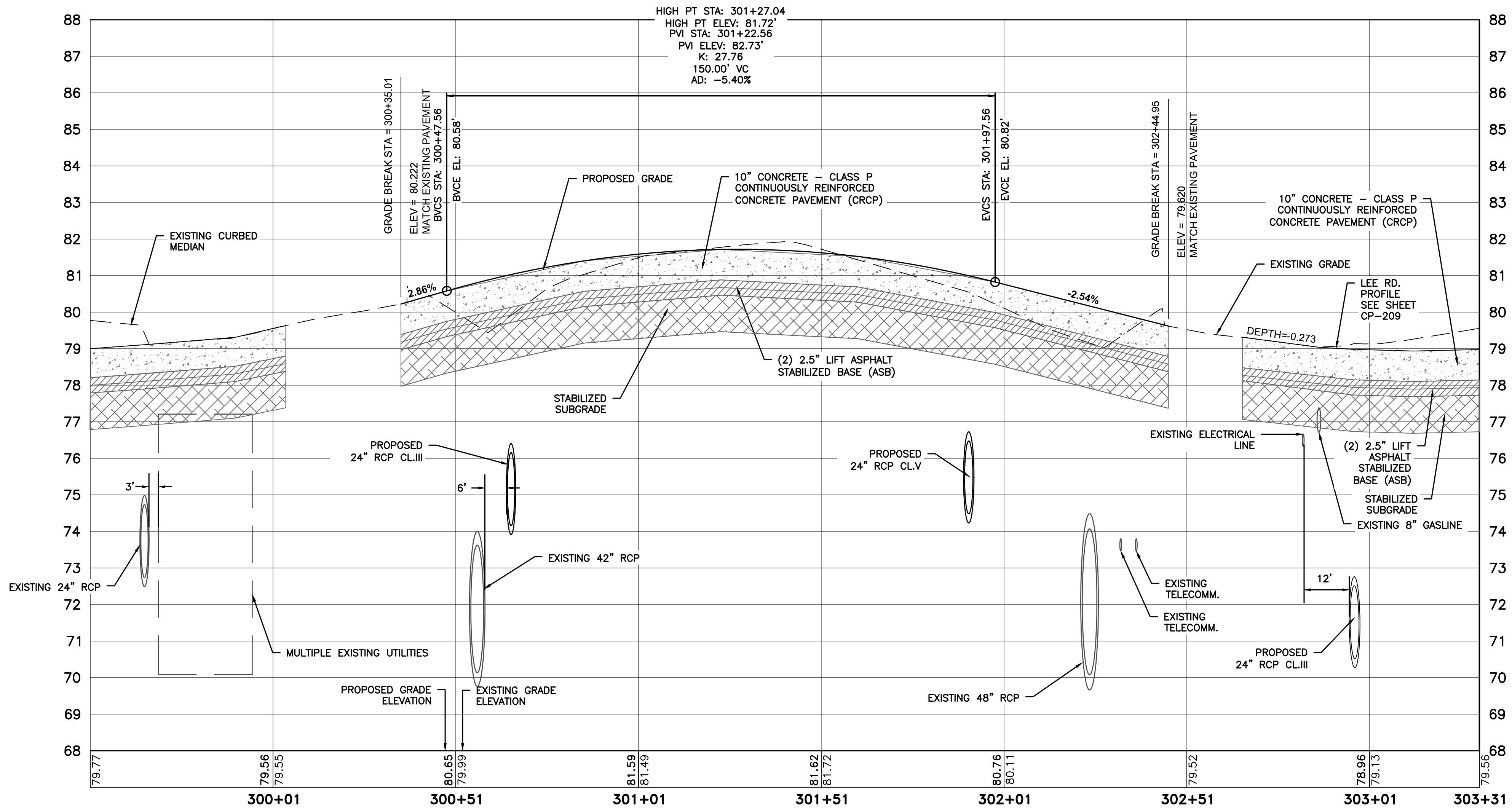
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A.I.P. NO.	
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SHEET NO.	

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PLOT DATE: 2024-04-19



NOTE

- SEE SHEET CP-501 FOR TYPICAL SECTIONS.
- REFER TO CD-100 SERIES AND CD-200 SERIES FOR FULL UTILITY INFORMATION.



KENSICK DRIVE SOUTHBOUND ROADWAY PROFILE (STA.:299+50 TO 303+30)

REVISIONS		
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KENSICK DRIVE EXTENSION
ROADWAY PLAN AND PROFILES

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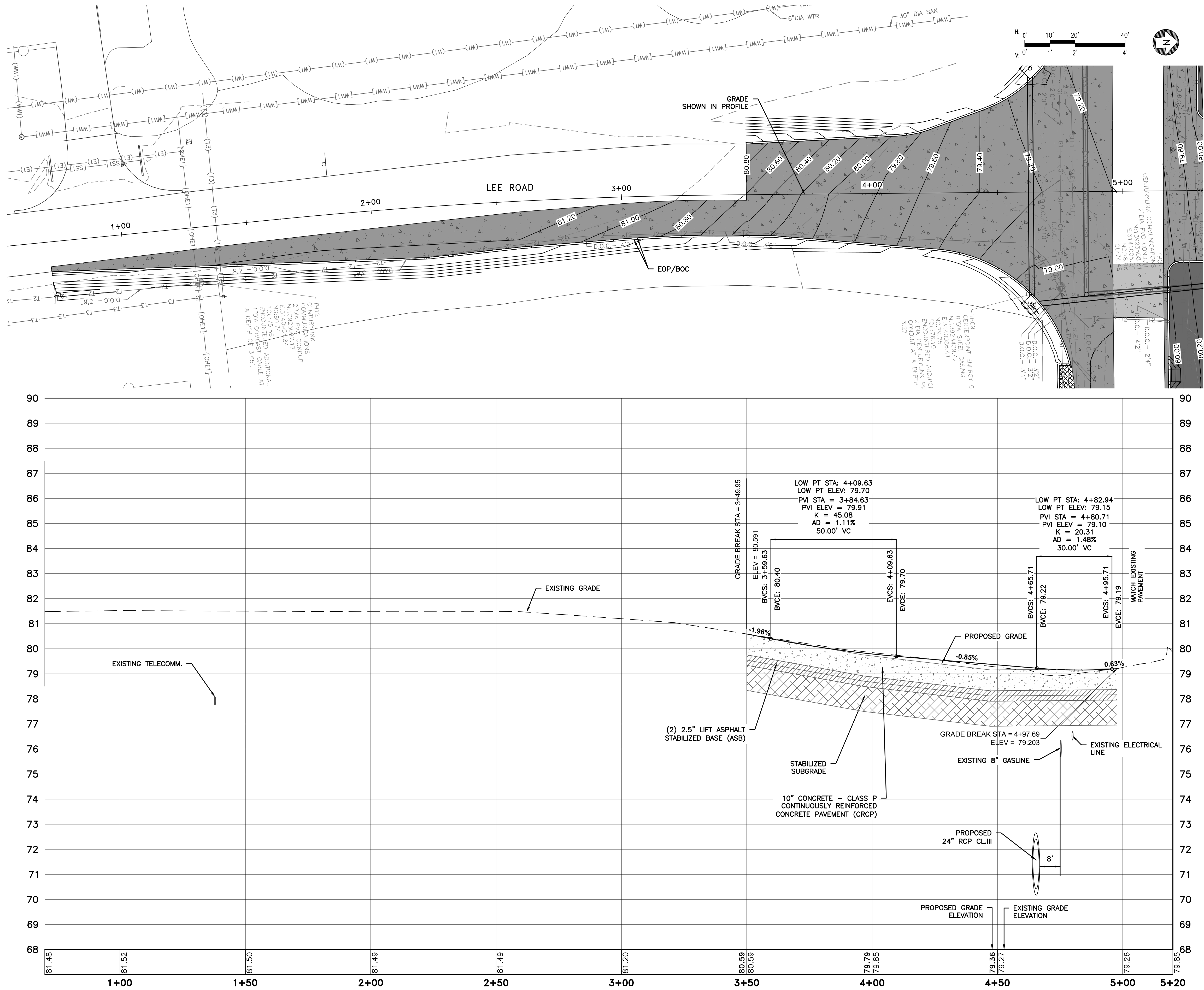
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DATE:	05/08/2024



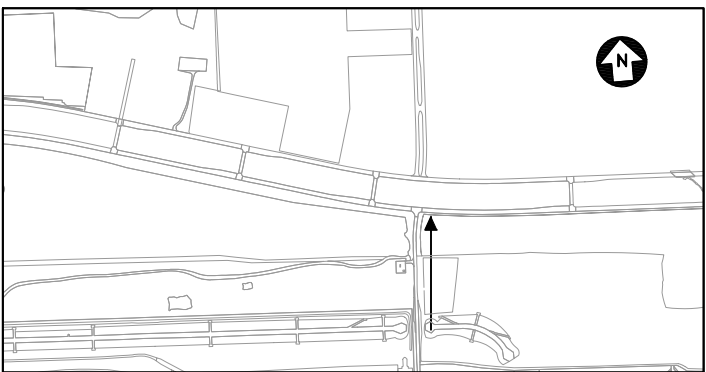
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PLOT DATE:2024-04-19



LEE ROAD PROFILE (STA.:0+70 TO 5+20)



NOTE

- SEE SHEET CP-501 FOR TYPICAL SECTIONS.
- REFER TO CD-100 SERIES AND CD-200 SERIES FOR FULL UTILITY INFORMATION.

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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
ROADWAY PLAN AND PROFILES

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DESIGNER: ALR
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DATE: 05/08/2024

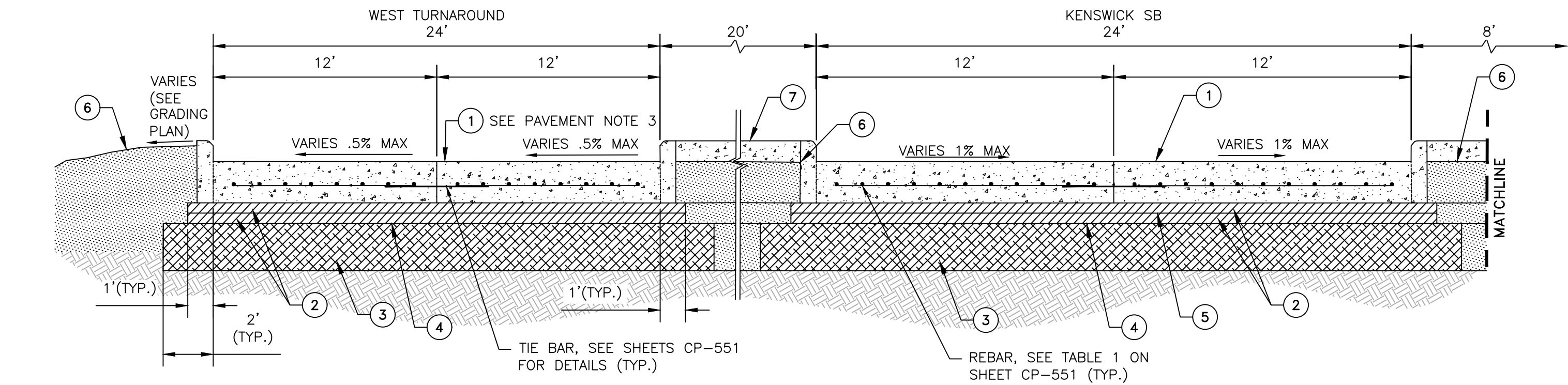


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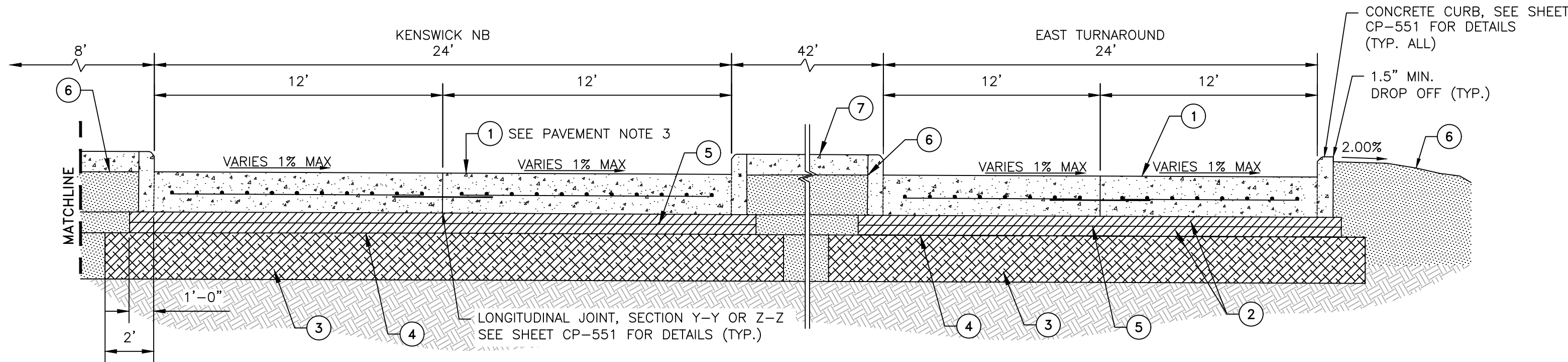
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H.A.S. NO.
935
SHEET NO.

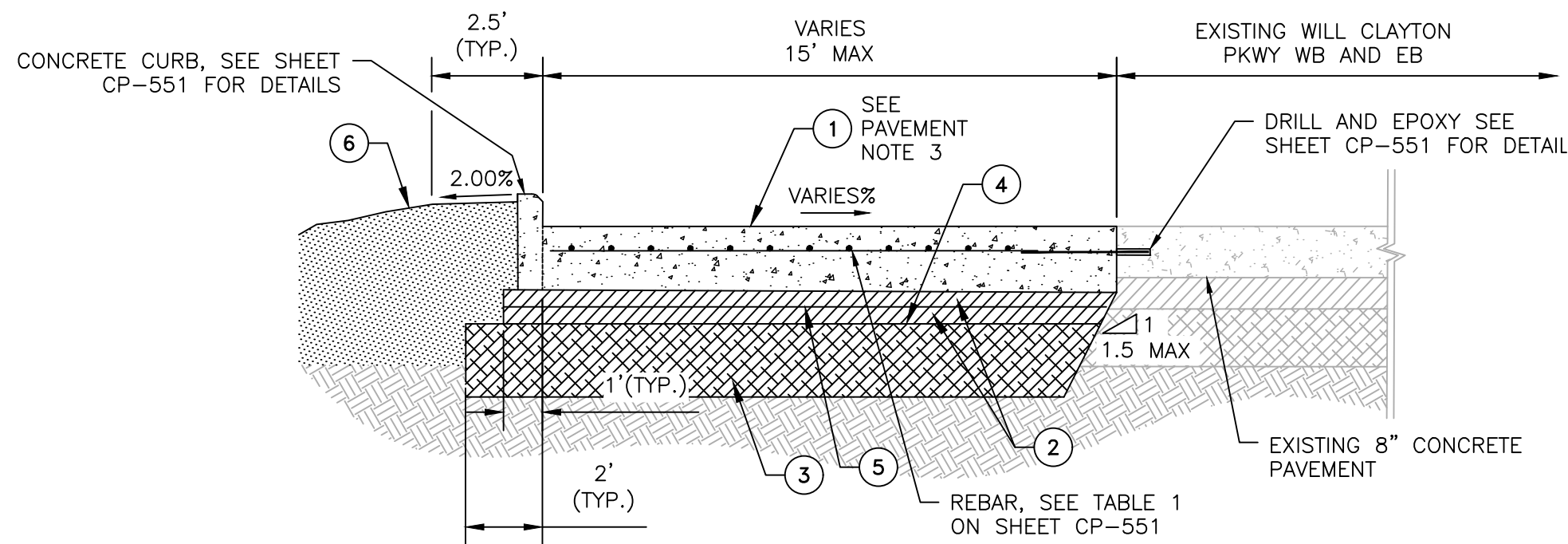
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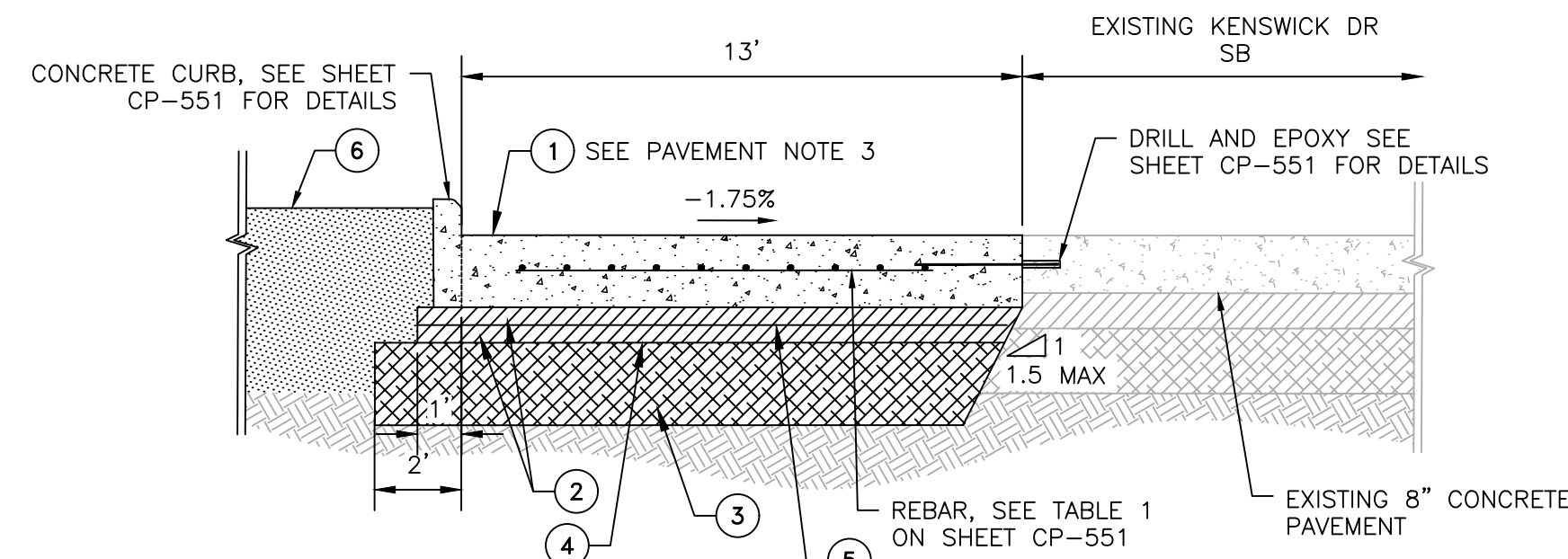
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CP-501 SCALE: NTS



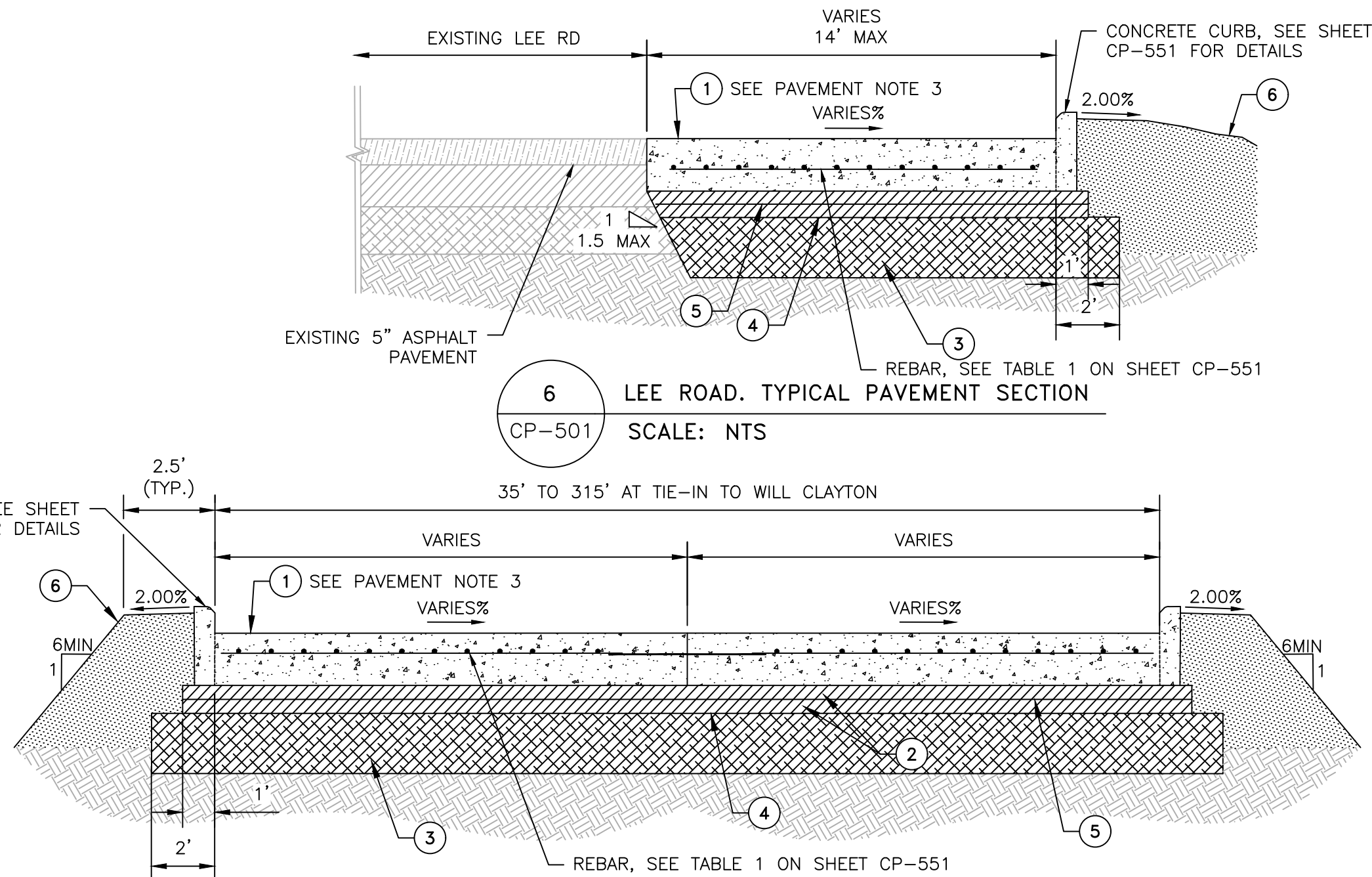
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TYPICAL PAVEMENT SECTION
CP-501 SCALE: NTS



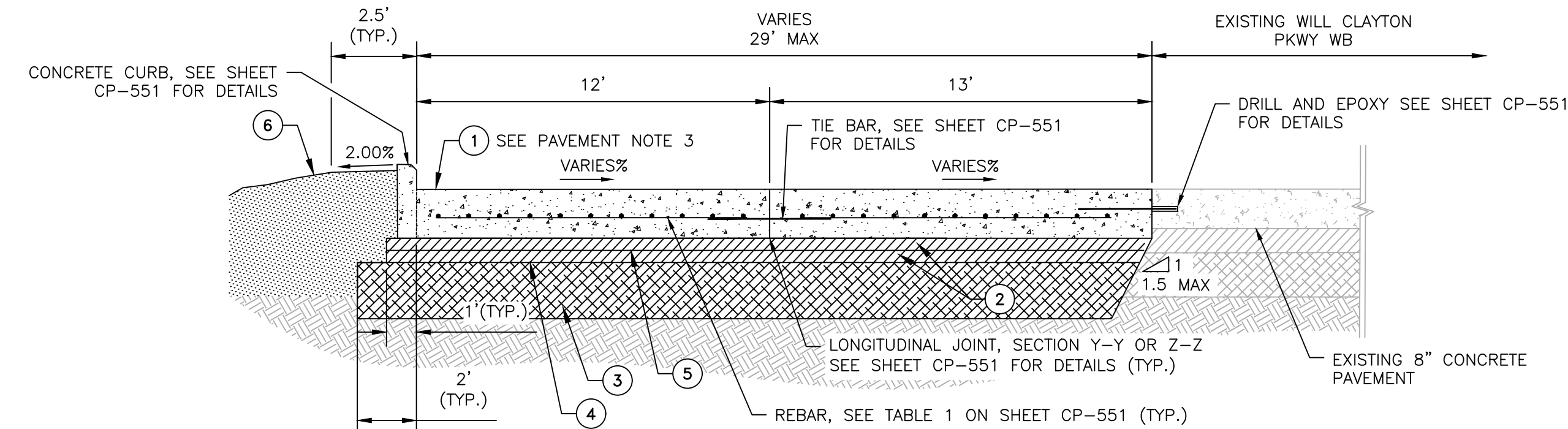
5 KENSWICK DRIVE
TYPICAL PAVEMENT SECTION
CP-501 SCALE: NTS



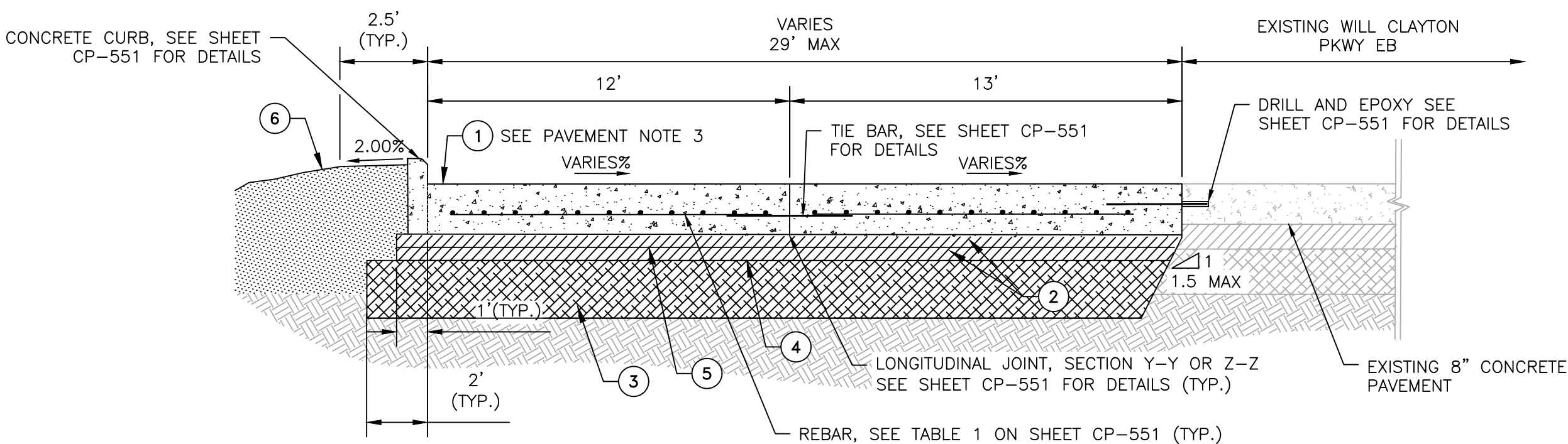
6 LEE ROAD. TYPICAL PAVEMENT SECTION
CP-501 SCALE: NTS



7 LEE ROAD TYPICAL PAVEMENT SECTION
CP-501 SCALE: NTS



2 WILL CLAYTON PARKWAY WB
TYPICAL PAVEMENT SECTION
CP-501 SCALE: NTS



3 WILL CLAYTON PARKWAY EB
TYPICAL PAVEMENT SECTION
CP-501 SCALE: NTS

PAVEMENT NOTES:

- CLEAR AND GRUB SITE PER SPECIFICATION ITEM 2233-100. GRUBBING CONSISTS OF THE REMOVAL AND DISPOSAL OF STUMPS, ROOTS, AND MATTED ROOTS. REMOVE MATERIAL TO BE GRUBBED, TOGETHER WITH LOGS AND OTHER ORGANIC OR METALLIC DEBRIS NOT SUITABLE FOR FOUNDATION PURPOSES. FILL DEPRESSIONS MADE BY GRUBBING WITH EMBANKMENT MATERIAL AND COMPACT TO MAKE THE SURFACE CONFORM WITH THE ORIGINAL ADJACENT SURFACE OF THE GROUND.
- AFTER COMPLETING CLEARING AND GRUBBING OPERATIONS BRING SUBGRADE TO PROPOSED GRADE FOR LIME STABILIZATION OPERATIONS. FILL AND COMPACT LOW AREAS FOLLOWING SPECIFICATION ITEM 02330 EMBANKMENT.
- ALL CONCRETE PAVEMENT SURFACES SHALL HAVE CARPET DRAG TEXTURING WITH TILING GROOVES PER ITEM 2751-110.

MATERIAL TABLE		
MATERIAL NO.	HPW ITEM	CITY OF HOUSTON PUBLIC WORKS DESCRIPTION
1	2751-110	10" CONCRETE-CLASS P CONTINUOUSLY REINFORCED CONCRETE PAVEMENT (CRCP), USE OPTIMIZED AGGREGATE GRADATION (OGA), 5% AIR ENTRAINMENT, MAXIMUM 0.45 W/C RATIO, 4INCH MAX SLUMP-HAND PLACEMENT, 2.5 INCH MAX SLUMP-SLIP FORM OR SIDE FORM PAVING
2	2711-100	2.5" LIFT TYPE A HOT MIX ASPHALTIC BASE COURSE
3	2336-107	12" LIME STABILIZED SUBGRADE (6% LIME CONTENT, TOP 9" DENSITY CONTROLLED)
4	02742	PRIME COAT
5	02743	TACK COAT
6	02330	EMBANKMENT (DENSITY CONTROLLED)
7	2772-100	6-INCH CONCRETE MEDIAN

REVISIONS

NO.	DESCRIPTION	DATE	BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
TYPICAL PAVEMENT SECTIONS
AND DETAILS
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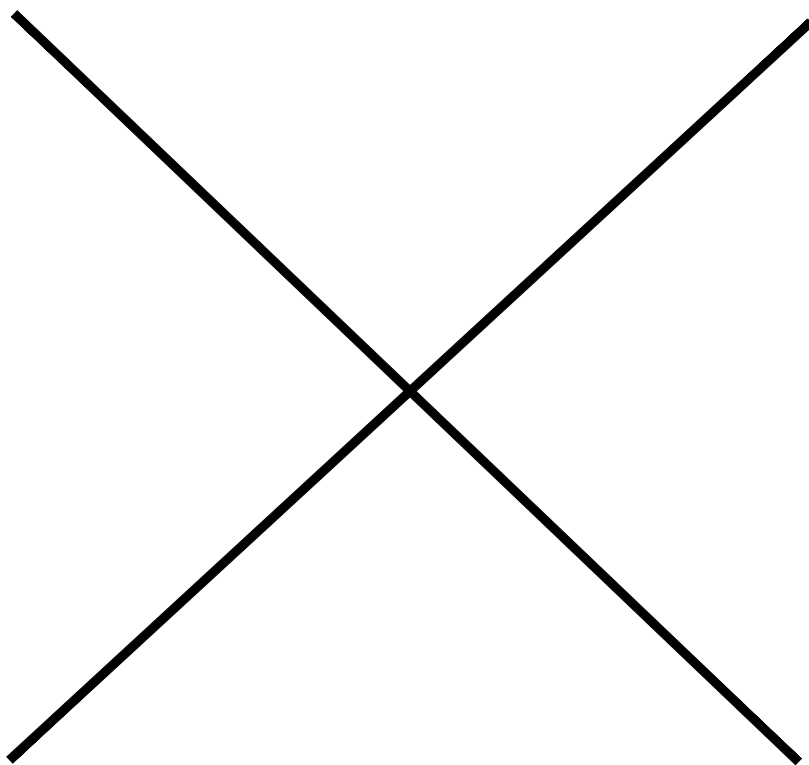
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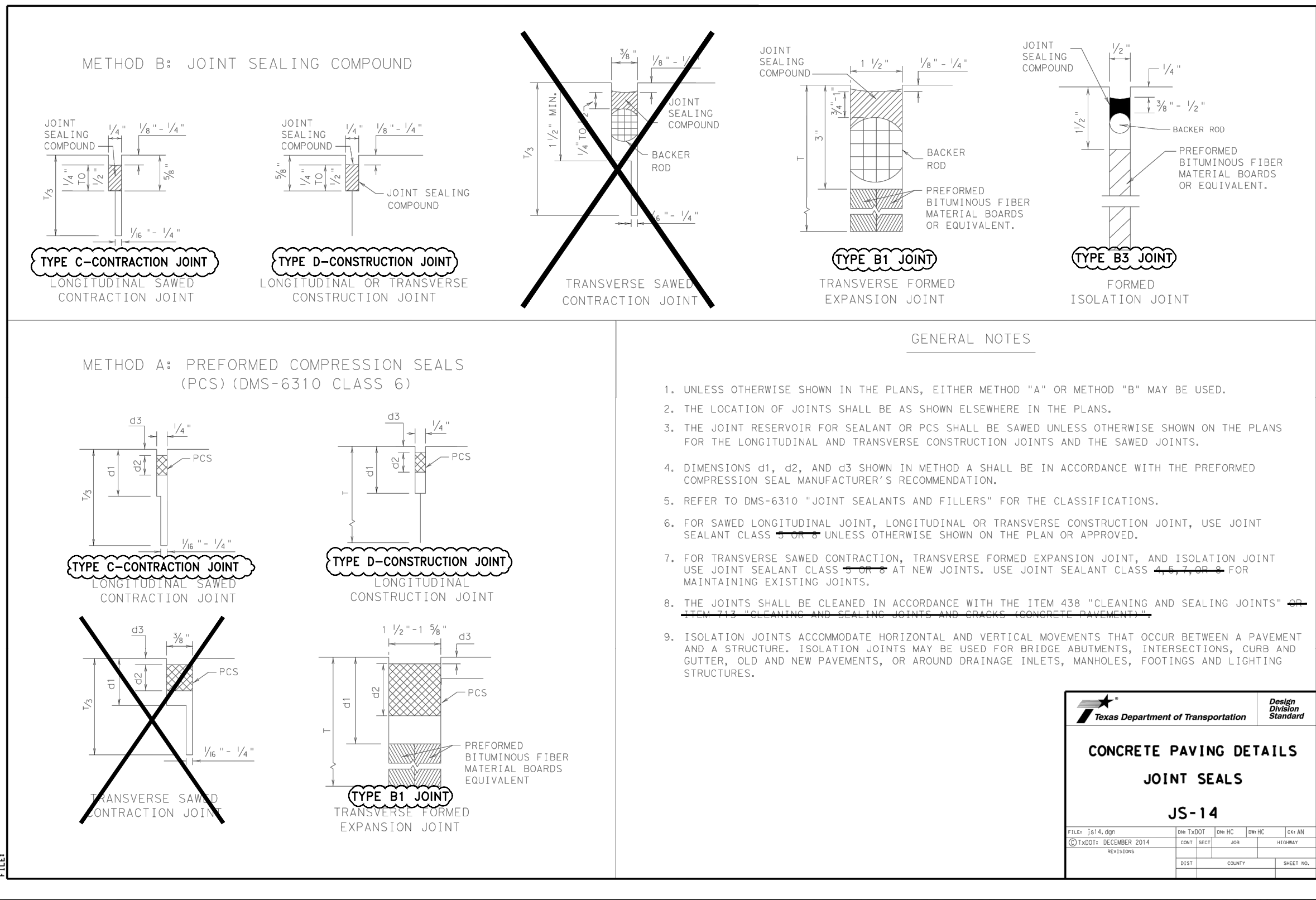
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
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PROJECT MGR: MES
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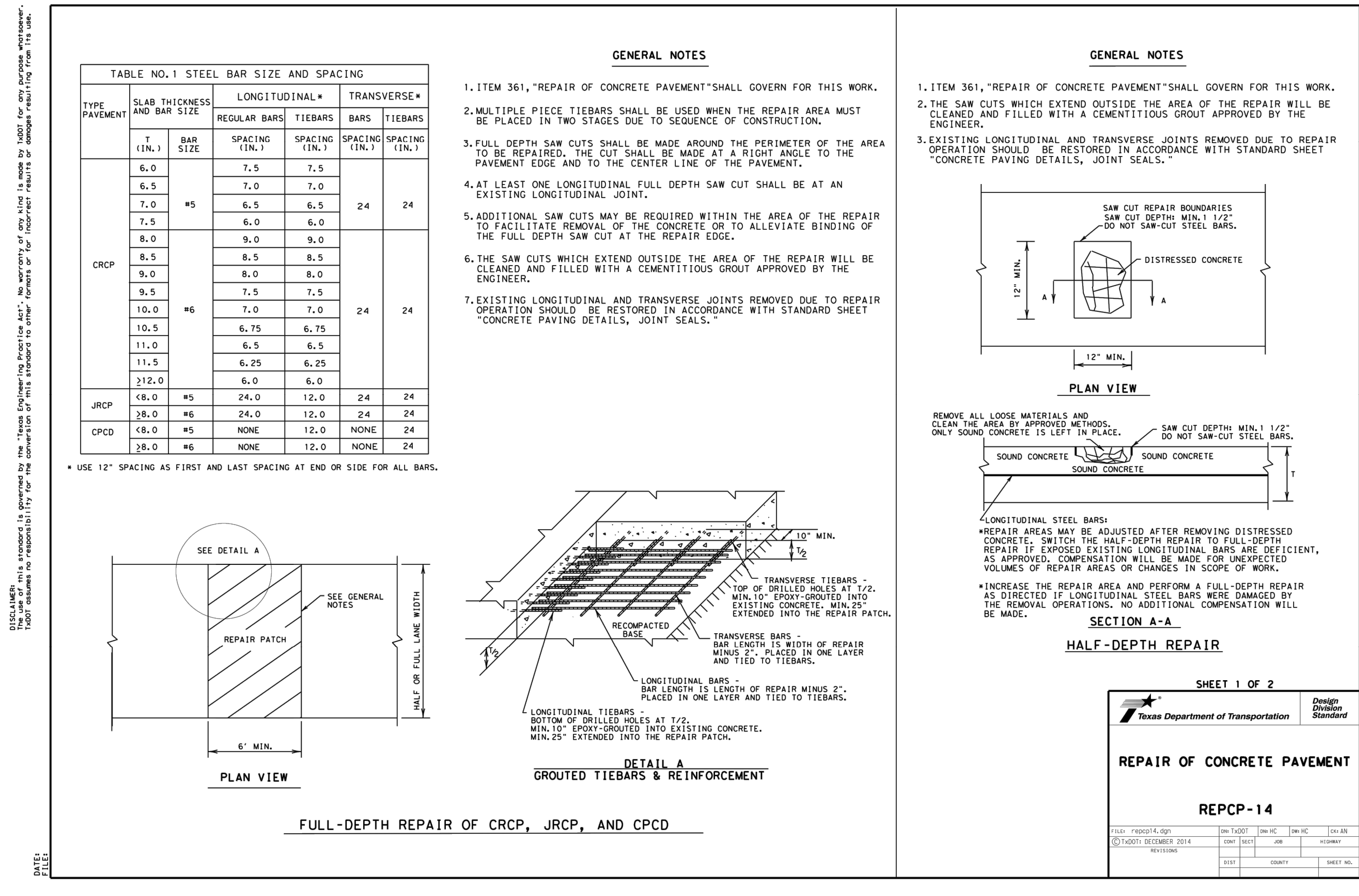
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
TYPICAL PAVEMENT SECTIONS
AND DETAILS
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DATE: 05/08/2024

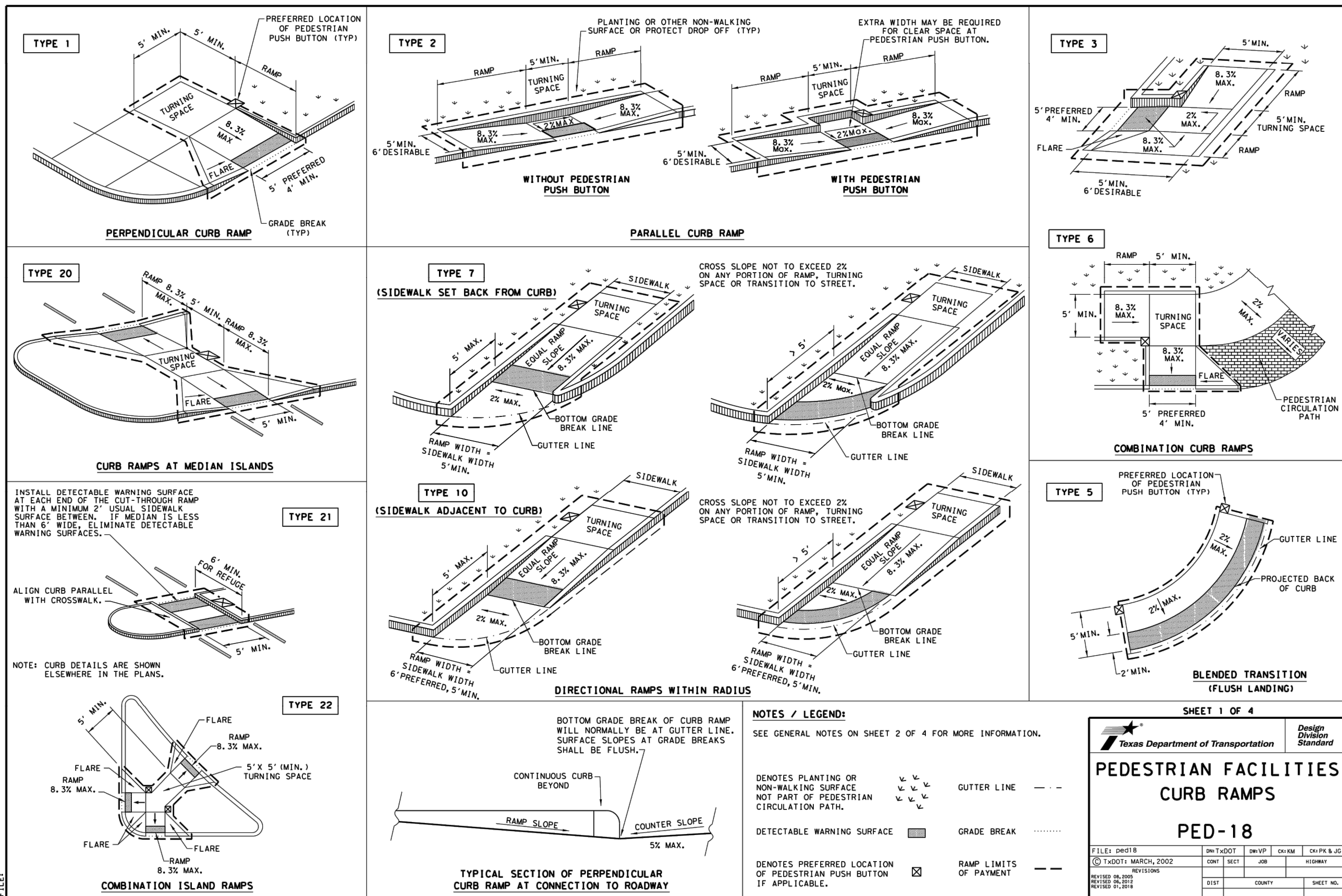


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HOUSTON AIRPORT SYSTEM

A.I.P. NO.

935

CP-553



WILL CLAYTON PKWY LINE TABLE						
LINE NUMBER	LENGTH (FEET)	DIRECTION	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
L100	150.6	S83°E	13923623.1	3140084.9	13923605.9	3140234.5
L101	168.5	N78°W	13923586.9	3140249.5	13923621.5	3140084.6
L102	18.5	S78°E	13923605.9	3140234.5	13923602.1	3140252.7
L103	149.6	S85°E	13923554.1	3140509.8	13923541.8	3140658.9
L104	31.3	N80°W	13923764.3	3140429.0	13923769.9	3140398.2
L105	100.2	N77°W	13923731.2	3140576.3	13923753.9	3140478.7
L106	70.3	N82°W	13923704.4	3140732.9	13923714.6	3140663.4
L107	92.9	N79°W	13923686.6	3140824.1	13923704.4	3140732.9
L108	60.0	S89°W	13923652.8	3141191.2	13923652.0	3141131.2
L109	60.1	S86°E	13923530.8	3140744.0	13923527.1	3140804.1
L110	10.8	N04°E	13923595.6	3140888.5	13923606.4	3140889.3
L111	23.4	S04°W	13923582.9	3141054.0	13923559.6	3141052.1
L112	90.2	S83°E	13923478.9	3141122.4	13923468.1	3141211.9
L113	150.9	S87°W	13923658.5	3141430.4	13923649.3	3141279.8
L114	150.5	S83°W	13923678.6	3141782.6	13923660.9	3141633.2
L115	100.6	N88°E	13923675.6	3141682.1	13923679.5	3141782.6

CENTER MEDIAN LINE TABLE						
LINE NUMBER	LENGTH (FEET)	DIRECTION	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
L500	112.8	N04°E	13923530.4	3140951.6	13923642.8	3140960.4
L501	112.8	S04°W	13923642.2	3140968.3	13923529.7	3140959.5

EAST MEDIAN LINE TABLE						
LINE NUMBER	LENGTH (FEET)	DIRECTION	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
L600	76.0	S86°E	13923677.0	3141000.2	13923671.4	3141076.0
L601	185.4	N04°E	13923487.6	3140980.3	13923672.5	3140994.8
L602	23.4	S04°W	13923584.8	3141030.0	13923561.5	3141028.2

WILL CLAYTON PKWY CURVE TABLE							
CURVE NUMBER	LENGTH (FEET)	RADIUS (FEET)	DELTA (DEGREES)	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
C100	573.9	5886	006	13923496.8	3140816.0	13923586.9	3140249.5
C101	261.6	5870	003	13923602.1	3140252.7	13923554.1	3140509.8
C102	85.9	5860	001	13923541.8	3140658.9	13923530.8	3140744.0
C103	50.8	1039	003	13923753.9	3140478.7	13923764.3	3140429.0
C104	88.7	1072	005	13923714.6	3140663.4	13923731.2	3140576.3
C105	414.7	5715	004	13923771.2	3140398.4	13923708.9	3140808.4
C106	296.7	5715	003	13923708.9	3140808.4	13923682.6	3141103.9
C107	114.1	75	087	13923606.4	3140889.3	13923686.6	3140824.1
C108	114.5	75	087	13923652.0	3141131.2	13923582.9	3141054.0
C109	121.6	75	093	13923527.1	3140804.1	13923595.6	3140888.5
C110	119.1	75	091	13923559.6	3141052.1	13923478.9	3141122.4
C111	397.0	5886	004	13923466.9	3141211.8	13923496.8	3140816.0
C112	88.7	5740	001	13923649.3	3141279.8	13923652.8	3141191.2
C113	202.8	5728	002	13923660.9	3141633.2	13923658.5	3141430.4
C114	578.5	5715	006	13923682.6	3141103.9	13923675.6	3141682.1

WEST MEDIAN CURVE TABLE							
CURVE NUMBER	LENGTH (FEET)	RADIUS (FEET)	DELTA (DEGREES)	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
C400	11.9	5	136	13923685.0	3140893.8	13923676.8	3140889.6
C401	7.8	5	089	13923675.8	3140938.9	13923681.2	3140934.4
C402	78.1	99	045	13923676.8	3140889.6	13923604.5	3140913.2
C403	98.8	99	057	13923593.7	3140912.4	13923514.3	3140860.7
C404	12.8	5	146	13923514.3	3140860.7	13923504.9	3140862.6
C405	7.9	5	091	13923499.5	3140920.0	13923504.1	3140925.4

KENSWICK DR LINE TABLE						
LINE NUMBER	LENGTH (FEET)	DIRECTION	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
L200	34.5	N89°E	13924237.6	3140955.3	13924238.3	3140989.7
L201	60.4	S01°E	13924238.3	3140989.7	13924177.9	3140991.0
L202	27.7	N15°W	13924198.0	3140987.0	13924224.7	3140980.0
L203	22.4	S11°W	13924224.6	3140976.1	13924202.6	3140971.7
L204	19.1	S88°W	13924177.9	3140990.0	13924177.3	3140970.9
L205	52.1	N03°E	13923725.6	3140954.4	13923777.7	3140957.0
L206	30.5	N85°W	13923723.1	3140984.7	13923725.6	3140954.3
L207	56.9	S05°W	13923779.8	3140989.2	13923723.1	3140984.7
L208	14.0	N22°E	13923741.0	3140976.7	13923753.9	3140982.0
L209	9.3	S86°E	13923741.7	3140967.5	13923741.0	3140976.7
L210	35.1	S04°W	13923776.7	3140969.9	13923741.7	3140967.5
L211	17.3	N86°W	13923779.9	3140988.2	13923781.2	3140971.0
L212	6.0	N86°W	13923731.3	3140972.8	13923731.7	3140966.8
L213	4.9	N22°E	13923726.7	3140970.9	13923731.3	3140972.8
L214	0.6	S85°E	13923725.5	3140968.3	13923725.4	3140968.9
L215	4.1	S04°W	13923731.7	3140966.8	13923727.6	3140966.5

CURB REPAIR LINE TABLE						
LINE NUMBER	LENGTH (FEET)	DIRECTION	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
L700	5.8	N86°W	13923735.1	3141023.8	13923735.5	3141018.0
L701	6.5	S86°E	13923730.2	3141022.9	13923729.7	3141029.4
L702	4.6	S04°W	13923729.2	3141029.8	13923724.6	3141029.5
L703	5.0	N04°E	13923721.8	3141034.3	13923726.8	3141034.7
L704	6.1	N87°W	13923717.8	3141050.1	13923718.2	3141044.0

KENSWICK DR CURVE TABLE							
CURVE NUMBER	LENGTH (FEET)	RADIUS (FEET)	DELTA (DEGREES)	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
C200	191.7	2162675	000	13923990.2	3140963.4	13924181.8	3140957.1
C201	55.9	105423	000	13924181.8	3140957.1	13924237.6	3140955.3
C202	20.3	90	013	13924177.9	3140990.0	13924198.0	3140987.0
C203	5.4	2	154	13924224.7	3140980.0	13924224.6	3140976.1
C204	20.8	90	013	13924202.6	3140971.7	13924181.9	3140970.1
C205	191.6	2162663	000	13924181.9	3140970.1	13923990.5	3140976.4
C206	212.7	2324	005	13923777.7	3140957.0	13923990.2	3140963.4
C207	26.8	90	017	13923753.9	3140982.0	13923779.9	3140988.2
C208	214.0	2337	005	13923990.5	3140976.4	13923776.7	3140969.9
C209	2.5	2	073	13923725.4	3140968.9	13923726.7	3140970.9
C210	3.1	2	089	13923727.6	3140966.5	13923725.5	3140968.3

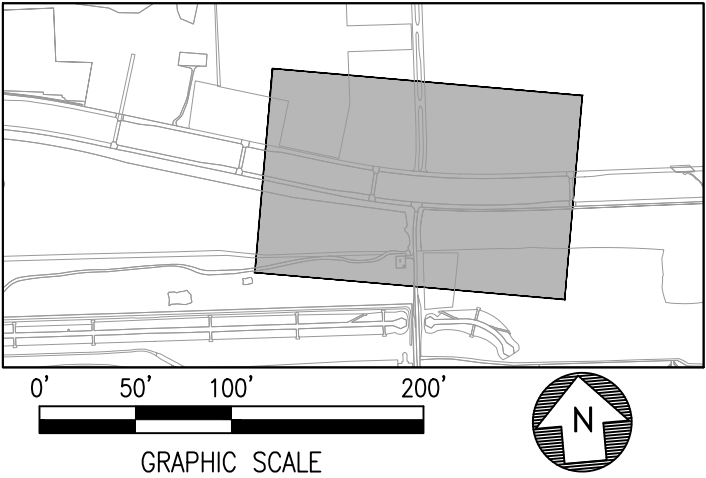
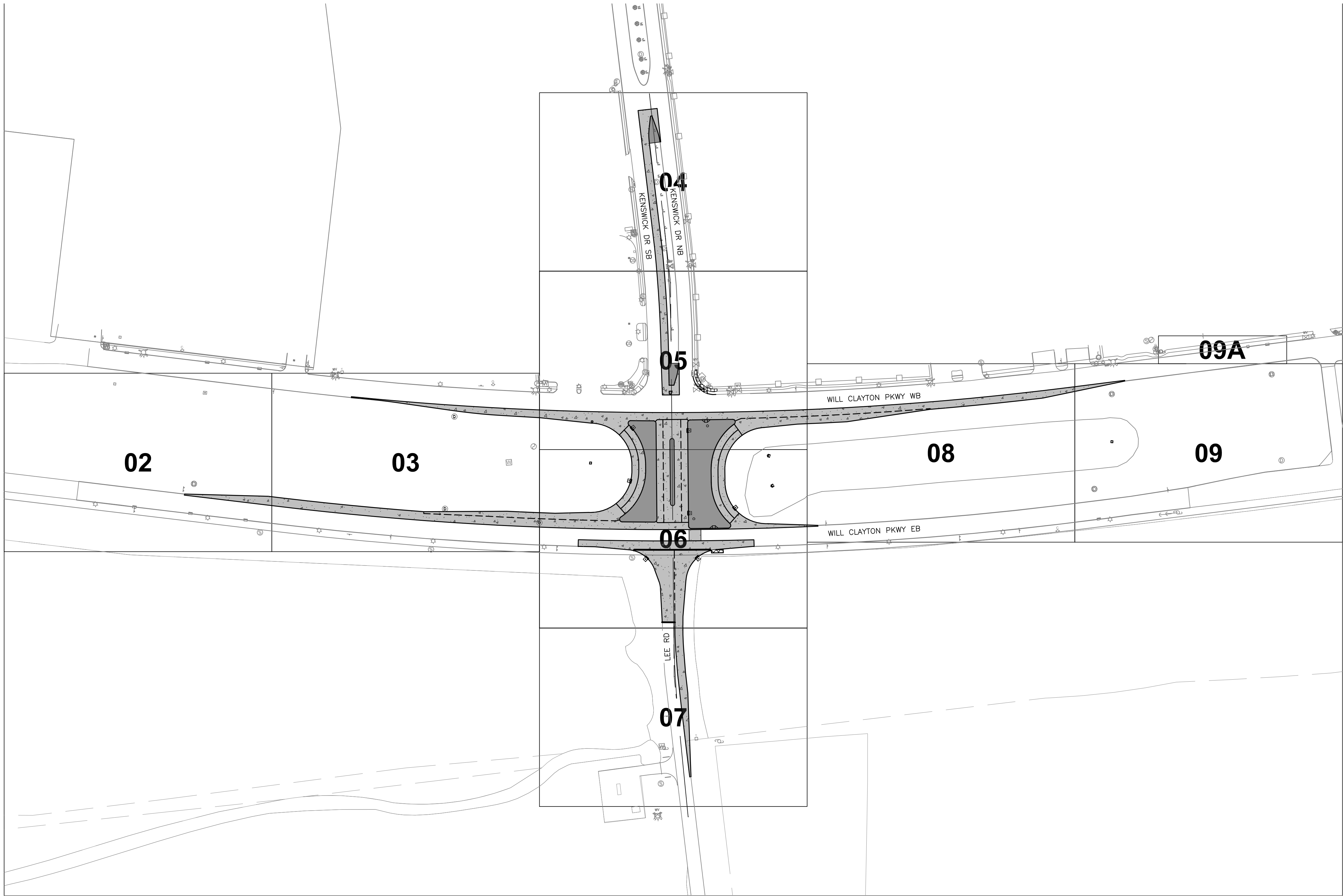
CENTER MEDIAN CURVE TABLE						
CURVE NUMBER	LENGTH (FEET)	RADIUS (FEET)	DELTA (DEGREES)	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING
C500	12.6	4	180	13923642.8	3140960.4	13923642.2
C501	12.6	4	180	13923529.7	3140959.5	13923530.4

CURB REPAIR CURVE TABLE							
CURVE NUMBER	LENGTH (FEET)	RADIUS (FEET)	DELTA (DEGREES)	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
C700	19.8	39	029	13923736.0	3141017.2	13923754.7	3141011.4
C701	0.9	1	054	13923735.5	3141018.0	13923736.0	3141017.2
C702	1.2	0	139	13923729.3	3141022.5	13923730.2	3141022.9
C703	0.8	0	090	13923729.7	3141029.4	13923729.2	3141029.8
C704	8.1	39	012	13923724.2	3141028.7	13923729.3	3141022.5
C705	1.0	0	119	13923724.6	3141029.5	13923724.2	3141028.7
C706	1.2	1	071	13923720.8	3141034.9	13923721.8	3141034.3
C707	9.5	39	014	13923718.2	3141044.0	13923720.8	3141034.9

LEE RD LINE TABLE						
LINE NUMBER	LENGTH (FEET)	DIRECTION	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
L300	11.7	N07°E	13923468.7	3140780.2	13923480.3	3140781.5
L301	11.5	S04°W	13923452.6	3141095.3	13923441.1	3141094.6
L302	3.2	N86°W	13923441.1	3141094.6	13923441.3	3141091.4
L303	63.7	N90°W	13923441.3	3141091.4	13923441.4	3141027.7
L304	0.5	S04°W	13923440.9	3141027.2	13923440.4	3141027.1
L305	12.0	S86°E	13923440.4	3141027.1	13923439.5	3141039.2
L306	5.0	S04°W	13923439.5	3141039.2	13923434.5	3141038.8
L307	21.1	N86°W	13923434.5	3141038.8	13923436.1	3141017.8
L308	4.2	N04°E	13923436.1	3141017.8	13923440.2	3141018.1
L309	65.5	S10°W	13923391.5	3140967.2	13923326.9	3140956.2
L310	11.0	S05°W	13923326.9	3140956.2	13923316.0	3140955.1
L311	22.4	N85°W	13923317.5	3140941.2	13923319.7	3140918.9
L312	60.1	N02°E	13923319.7	3140918.9	13923379.7	3140920.9
L313	22.6	N15°W	13923393.1	3140919.4	13923414.9	3140913.5
L314	60.2	N80°W	13923454.7	3140869.9	13923465.4	3140810.6
L315	30.6	N84°W	13923465.4	3140810.6	13923468.7	3140780.2
L316	31.2	S01°W	13923257.7	3140952.2	13923226.4	3140951.9
L317	150.4	S03°W	13923189.3	3140952.9	13923039.0	3140945.5
L318	2.0	S87°W	13923039.0	3140945.5	13923038.9	3140943.5
L319	31.3	N01°E	13923226.3	3140937.9	13923257.7	3140938.2
L320	20.3	S05°W	13923481.0	3140980.9	13923460.9	3140979.3
L321	20.3	S04°W	13923479.4	3141002.1	13923459.2	3141000.6

LEE RD CURVE TABLE							
CURVE NUMBER	LENGTH (FEET)	RADIUS (FEET)	DELTA (DEGREES)	SEGMENT START NORTHING	SEGMENT START EASTING	SEGMENT END NORTHING	SEGMENT END EASTING
C300	315.0	5906	003	13923480.3	3140781.5	13923452.6	3141095.3
C301	0.7	1	086	13923441.4	3141027.7	13923440.9	3141027.2
C302	0.9	0	103	13923440.2	3141018.1	13923440.7	3141017.5
C303	75.3	60	072	13923440.7	3141017.5	13923391.5	3140967.2
C304	13.6	45	017	13923379.7	3140920.9	13923393.1	3140919.4
C305	62.3	55	065	13923414.9	3140913.5	13923454.7	3140869.9
C306	58.4	493	007	13923316.0	3140955.1	13923257.7	3140952.2
C307	37.1	15445	000	13923226.4	3140951.9	13923189.3	3140952.9
C308	187.5	15459	001	13923038.9	3140943.5	13923226.3	3140937.9
C309	60.0	507	007	13923257.7	3140938.2	13923317.5	3140941.2

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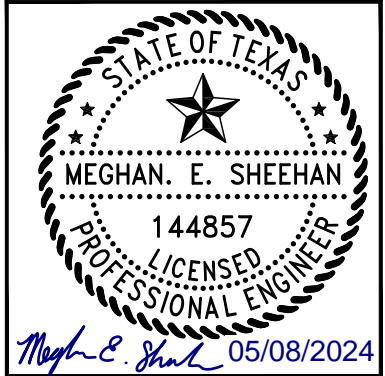
ATKINS

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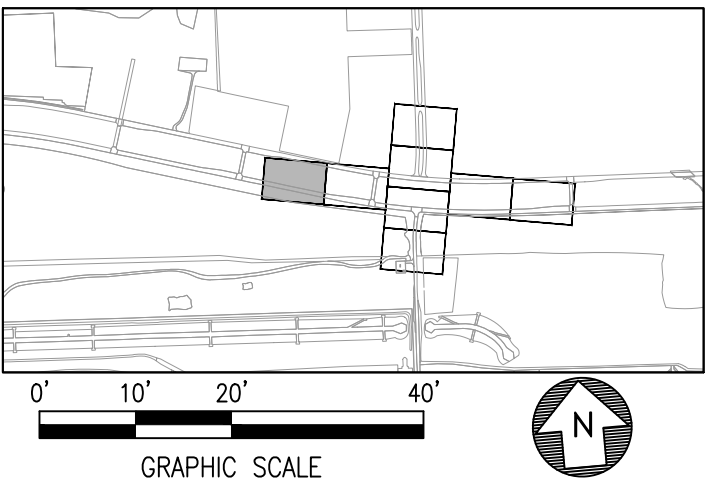
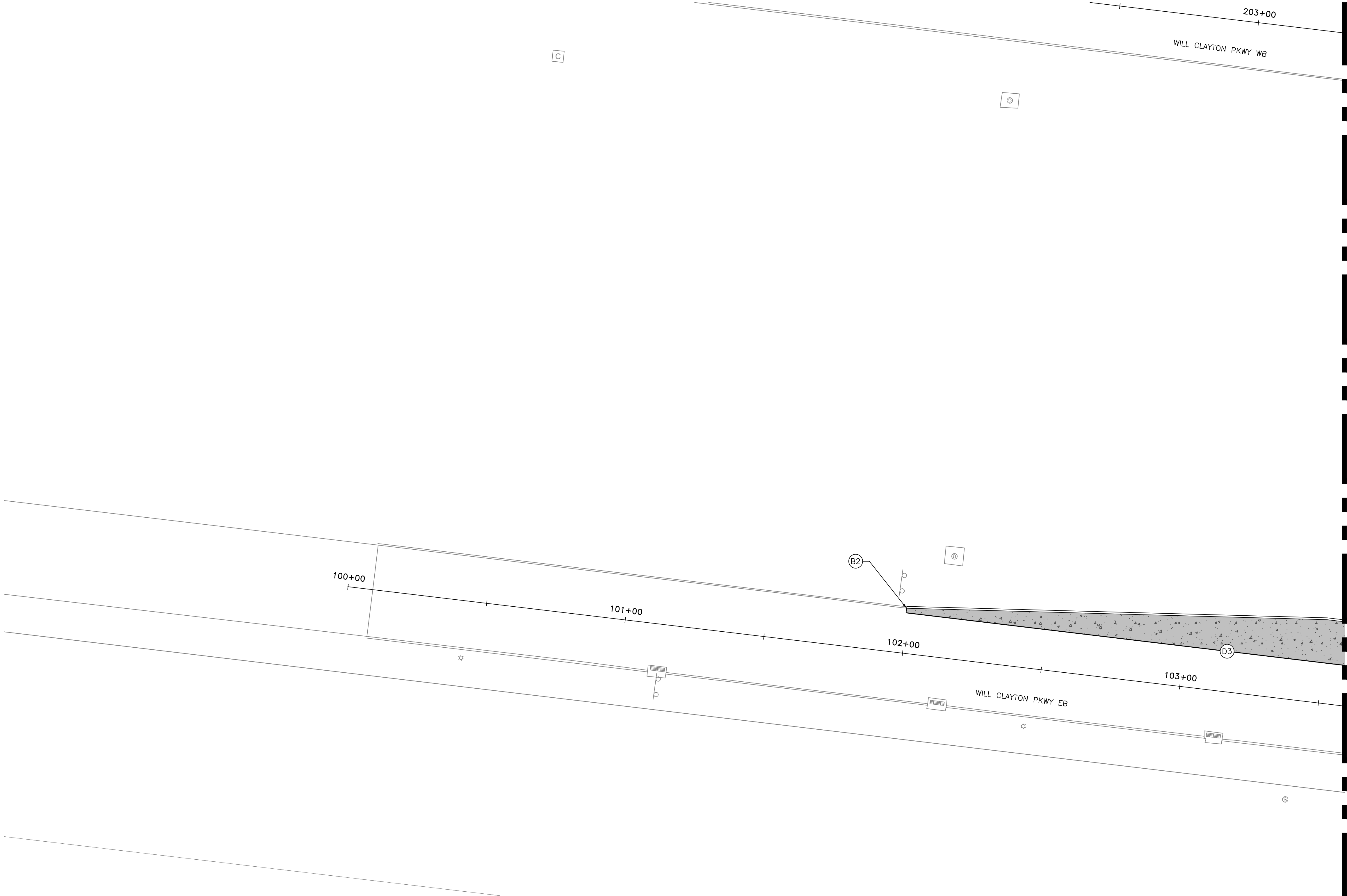
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
OVERALL JOINTING PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

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PLOT DATE:2024-04-19



LEGEND		NOTES	
—(B1)—	EXPANSION JOINT SEE NOTE 4	1.	SEE CP-551 FOR TYPE C, D, F OR S PAVEMENT JOINT DETAIL INFORMATION.
—(B2)—	CURB EXPANSION JOINT SEE NOTE 2	2.	SEE CP-551 FOR TYPE B2 JOINT DETAIL INFORMATION
—(B3)—	INLET ISOLATION JOINT SEE NOTE 3	3.	SEE CP-552 FOR TYPE D, B1 AND B3 JOINT SEAL DETAILS.
—(C)—	CONTRACTION JOINT SEE NOTE 1	4.	TYPE B1 EXPANSION JOINTS SHALL NOT BE DOWELED OR TIED TO CONCRETE OR CRCP.
—(D1)—	TRANSVERSE CONSTRUCTION JOINT SEE NOTE 1	5.	TYPE B3 JOINTS SHALL BE SEALED WITH JOINT SEALANT PER SPECIFICATION ITEM 02752-101 AND DETAIL "FORMED ISOLATION JOINT" ON SHEET CP-552.
—(D2)—	LONGITUDINAL CONSTRUCTION JOINT SEE NOTE 1	6.	INSTALL 1/2 FIBER EXPANSION BOARD AT SIDEWALK CONSTRUCTION JOINT.
—(D3)—	WIDENING CONSTRUCTION JOINT SEE NOTE 1	7.	ALL FIBER BOARD SHALL MEET ASTM D1751 OR D1752.
—(F)—	TRANSVERSE TIE JOINT SEE NOTE 1		
—(S)—	ASPHALT CONSTRUCTION JOINT SEE NOTE 1		

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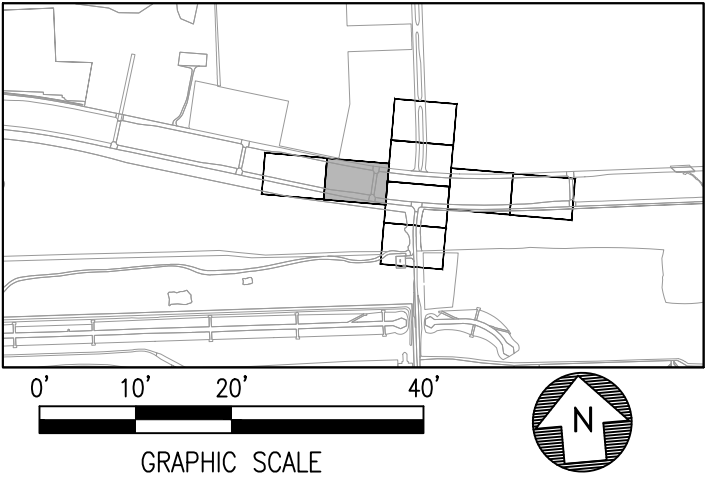
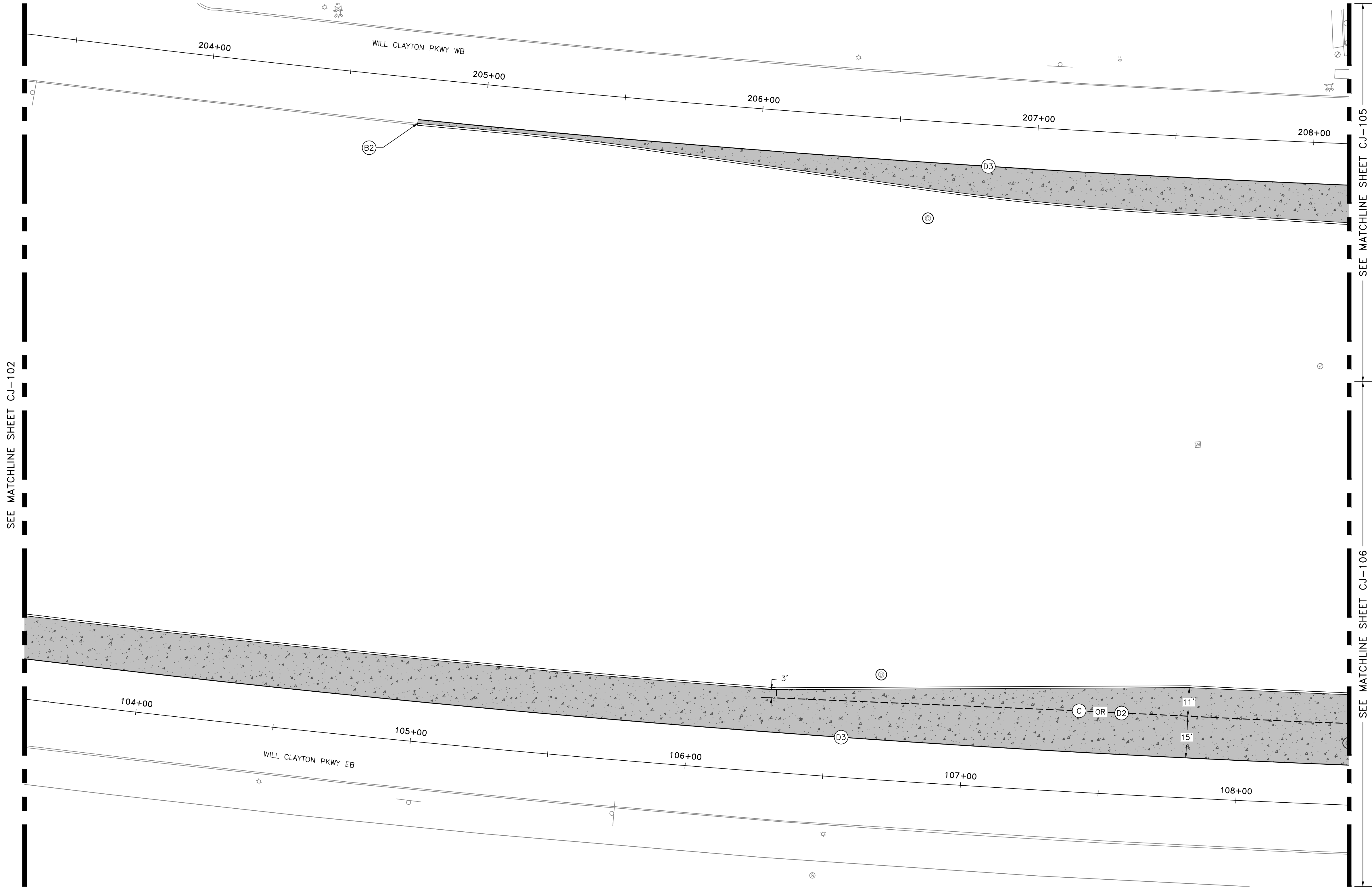
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
JOINTING PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



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DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

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HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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STATE OF TEXAS
COUNTY OF HARRIS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
05/08/2024

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
JOINTING PLAN
ISSUED FOR PERMIT

LEGEND		NOTES
(B1)	EXPANSION JOINT SEE NOTE 4	1. SEE CP-551 FOR TYPE C, D, F OR S PAVEMENT JOINT DETAIL INFORMATION.
(B2)	CURB EXPANSION JOINT SEE NOTE 2	2. SEE CP-551 FOR TYPE B2 JOINT DETAIL INFORMATION
(B3)	INLET ISOLATION JOINT SEE NOTE 3	3. SEE CP-552 FOR TYPE D, B1 AND B3 JOINT SEAL DETAILS.
(C)	CONTRACTION JOINT SEE NOTE 1	4. TYPE B1 EXPANSION JOINTS SHALL NOT BE DOWELED OR TIED TO CONCRETE OR CRCP.
(D1)	TRANSVERSE CONSTRUCTION JOINT SEE NOTE 1	5. TYPE B3 JOINTS SHALL BE SEALED WITH JOINT SEALANT PER SPECIFICATION ITEM 02752-101 AND DETAIL "FORMED ISOLATION JOINT" ON SHEET CP-552.
(D2)	LONGITUDINAL CONSTRUCTION JOINT SEE NOTE 1	6. INSTALL 1/2 FIBER EXPANSION BOARD AT SIDEWALK CONSTRUCTION JOINT.
(D3)	WIDENING CONSTRUCTION JOINT SEE NOTE 1	7. ALL FIBER BOARD SHALL MEET ASTM D1751 OR D1752.
(F)	TRANSVERSE TIE JOINT SEE NOTE 1	
(S)	ASPHALT CONSTRUCTION JOINT SEE NOTE 1	

STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

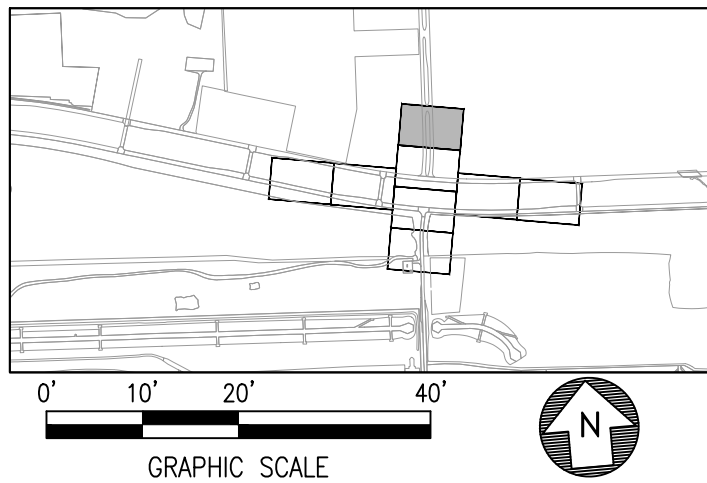
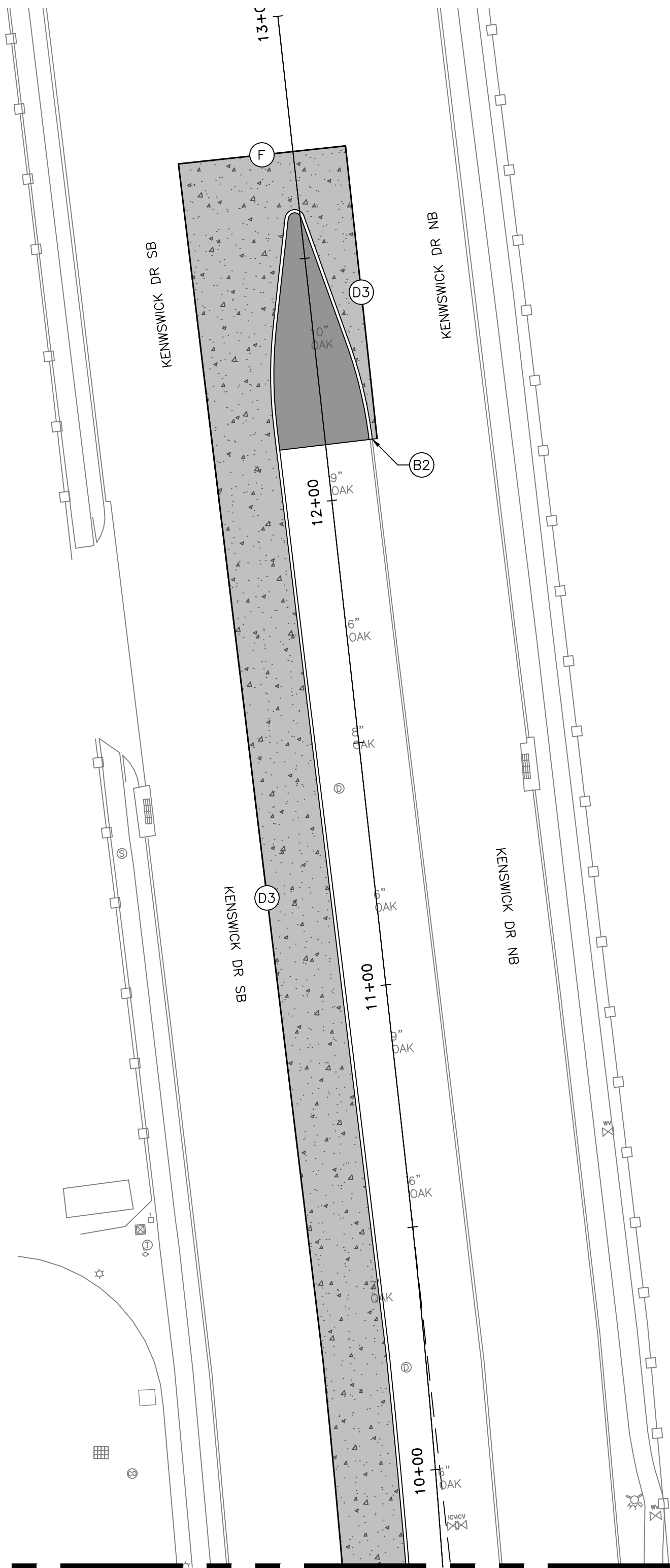
CJ-103

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PLOT DATE:2024-04-19

LEGEND	
	EXPANSION JOINT SEE NOTE 4
	CURB EXPANSION JOINT SEE NOTE 2
	INLET ISOLATION JOINT SEE NOTE 3
	CONTRACTION JOINT SEE NOTE 1
	TRANSVERSE CONSTRUCTION JOINT SEE NOTE 1
	LONGITUDINAL CONSTRUCTION JOINT SEE NOTE 1
	WIDENING CONSTRUCTION JOINT SEE NOTE 1
	TRANSVERSE TIE JOINT SEE NOTE 1
	ASPHALT CONSTRUCTION JOINT SEE NOTE 1

NOTES	
1.	SEE CP-551 FOR TYPE C, D, F OR S PAVEMENT JOINT DETAIL INFORMATION.
2.	SEE CP-551 FOR TYPE B2 JOINT DETAIL INFORMATION
3.	SEE CP-552 FOR TYPE D, B1 AND B3 JOINT SEAL DETAILS.
4.	TYPE B1 EXPANSION JOINTS SHALL NOT BE DOWELED OR TIED TO CONCRETE OR CRCP.
5.	TYPE B3 JOINTS SHALL BE SEALED WITH JOINT SEALANT PER SPECIFICATION ITEM 02752-101 AND DETAIL "FORMED ISOLATION JOINT" ON SHEET CP-552.
6.	INSTALL 1/2 FIBER EXPANSION BOARD AT SIDEWALK CONSTRUCTION JOINT.
7.	ALL FIBER BOARD SHALL MEET ASTM D1751 OR D1752.

SEE MATCHLINE SHEET CJ-105



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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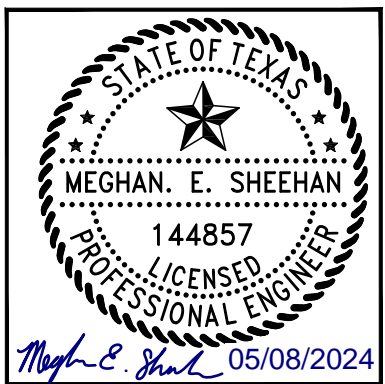
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NO.	DESCRIPTION	DATE BY

STATE OF TEXAS
HOUSTON AIRPORT SYSTEM
Kenswick Drive Extension
Jointing Plan
05/08/2024

**GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
JOINTING PLAN**

ISSUED FOR PERMIT

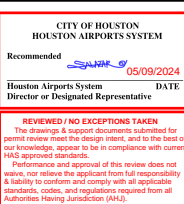
PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



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DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

LOCAL OFFICE:
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH) KENSWICK DRIVE EXTENSION JOINTING PLAN

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PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

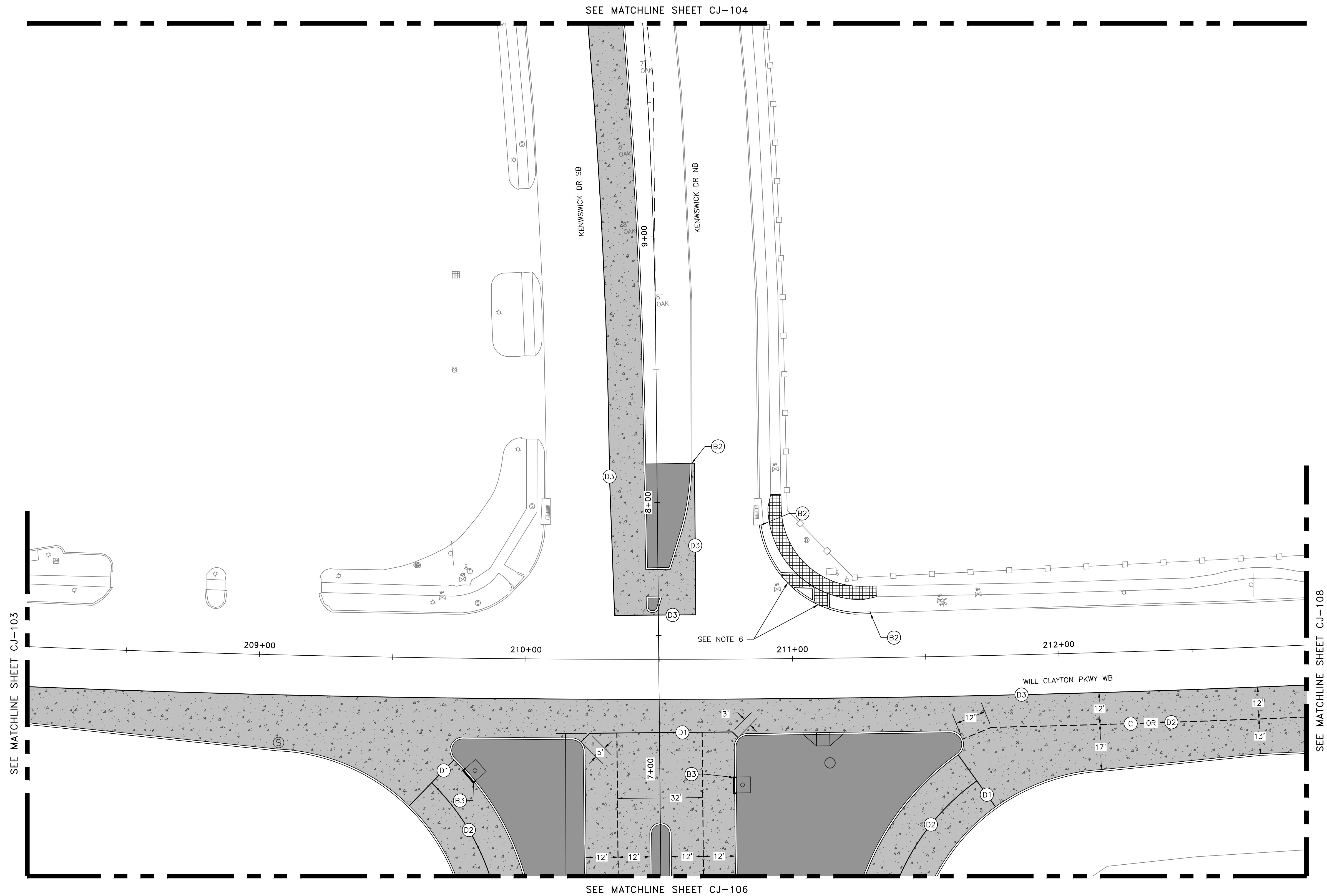



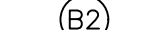







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100072032
A.I.P. NO. _____
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935
SHEET NO. _____

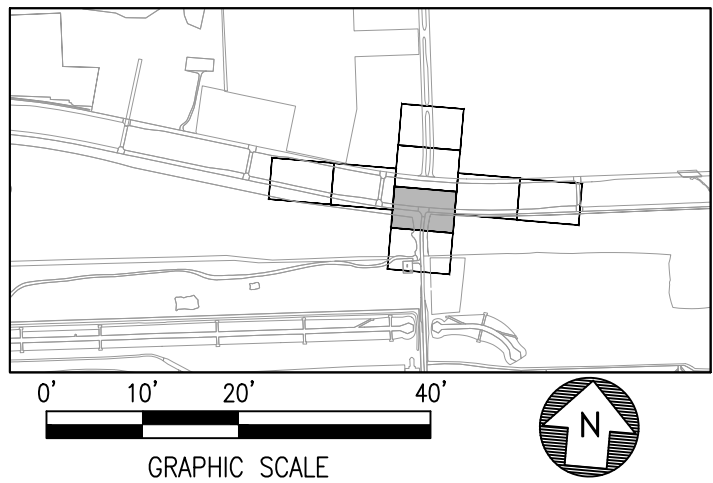
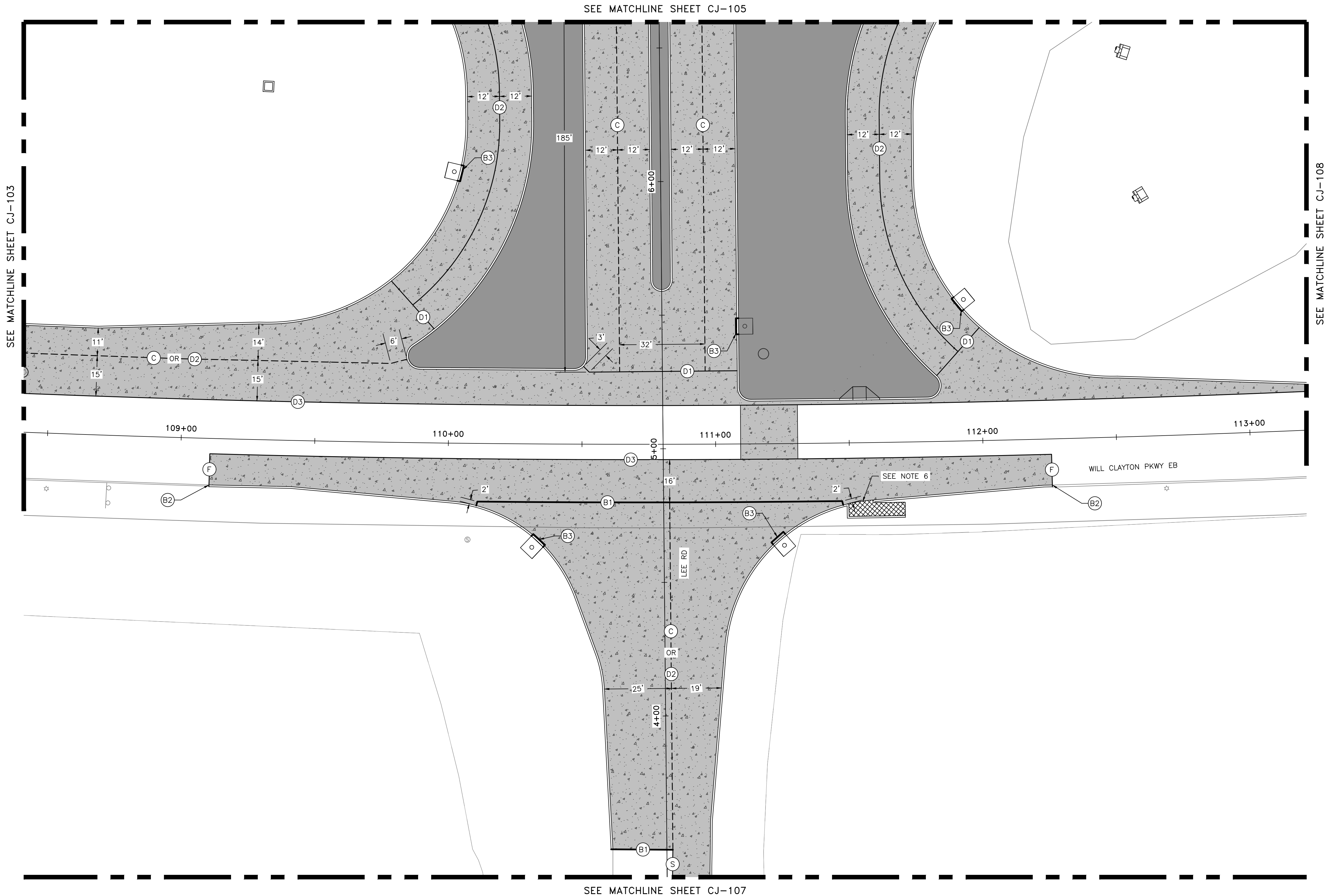
CJ-105



LEGEND		NOTES	
	EXPANSION JOINT SEE NOTE 4	1.	SEE CP-551 FOR TYPE C, D, F OR S PAVEMENT JOINT DETAIL INFORMATION.
	CURB EXPANSION JOINT SEE NOTE 2	2.	SEE CP-551 FOR TYPE B2 JOINT DETAIL INFORMATION
	INLET ISOLATION JOINT SEE NOTE 3	3.	SEE CP-552 FOR TYPE D, B1 AND B3 JOINT SEAL DETAILS.
	CONTRACTION JOINT SEE NOTE 1	4.	TYPE B1 EXPANSION JOINTS SHALL NOT BE DOWELED OR TIED TO CONCRETE OR CRCP.
	TRANSVERSE CONSTRUCTION JOINT SEE NOTE 1	5.	TYPE B3 JOINTS SHALL BE SEALED WITH JOINT SEALANT PER SPECIFICATION ITEM 02752-101 AND DETAIL "FORMED ISOLATION JOINT" ON SHEET CP-552.
	LONGITUDINAL CONSTRUCTION JOINT SEE NOTE 1	6.	INSTALL 1/2 FIBER EXPANSION BOARD AT SIDEWALK CONSTRUCTION JOINT.
	WIDENING CONSTRUCTION JOINT SEE NOTE 1	7.	ALL FIBER BOARD SHALL MEET ASTM D1751 OR D1752.
	TRANSVERSE TIE JOINT SEE NOTE 1		
	ASPHALT CONSTRUCTION JOINT SEE NOTE 1		

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PLOT DATE:2024-04-19



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

**KENSWICK DRIVE EXTENSION
JOINTING PLAN**

ISSUED FOR PERMIT

STATE OF TEXAS
HOUSTON AIRPORT SYSTEM
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

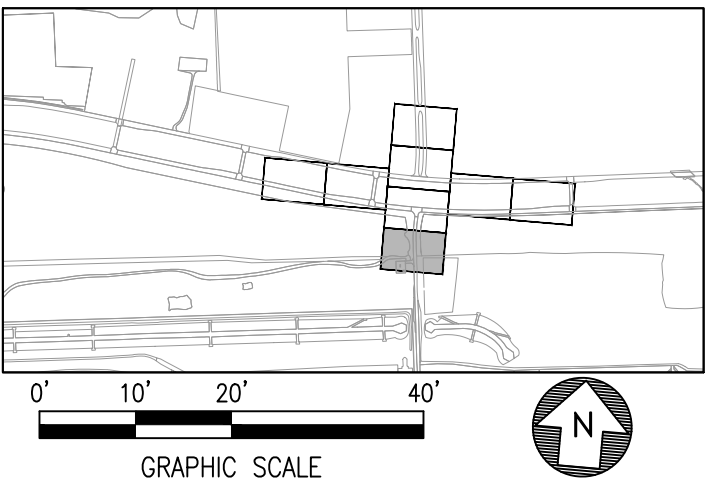


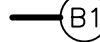
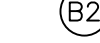
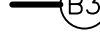






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DIRECTOR HOUSTON AIRPORT SYSTEM	

PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

LEGEND	NOTES
—(B1)— EXPANSION JOINT SEE NOTE 4	1. SEE CP-551 FOR TYPE C, D, F OR S PAVEMENT JOINT DETAIL INFORMATION.
—(B2)— CURB EXPANSION JOINT SEE NOTE 2	2. SEE CP-551 FOR TYPE B2 JOINT DETAIL INFORMATION
—(B3)— INLET ISOLATION JOINT SEE NOTE 3	3. SEE CP-552 FOR TYPE D, B1 AND B3 JOINT SEAL DETAILS.
—(C)— CONTRACTION JOINT SEE NOTE 1	4. TYPE B1 EXPANSION JOINTS SHALL NOT BE DOWELED OR TIED TO CONCRETE OR CRCP.
—(D1)— TRANSVERSE CONSTRUCTION JOINT SEE NOTE 1	5. TYPE B3 JOINTS SHALL BE SEALED WITH JOINT SEALANT PER SPECIFICATION ITEM 02752-101 AND DETAIL "FORMED ISOLATION JOINT" ON SHEET CP-552.
—(D2)— LONGITUDINAL CONSTRUCTION JOINT SEE NOTE 1	6. INSTALL 1/2 FIBER EXPANSION BOARD AT SIDEWALK CONSTRUCTION JOINT.
—(D3)— WIDENING CONSTRUCTION JOINT SEE NOTE 1	7. ALL FIBER BOARD SHALL MEET ASTM D1751 OR D1752.
—(F)— TRANSVERSE TIE JOINT SEE NOTE 1	
—(S)— ASPHALT CONSTRUCTION JOINT SEE NOTE 1	

HAS FILE:C:\PWL\WORK\ATKINS\ATKINS\DOTR3544\DWG59378\--0935--CJ-101.DWG
PLOT DATE:2024-04-19



LEGEND	NOTES
 B1 EXPANSION JOINT SEE NOTE 4	1. SEE CP-551 FOR TYPE C, D, F OR S PAVEMENT JOINT DETAIL INFORMATION.
 B2 CURB EXPANSION JOINT SEE NOTE 2	2. SEE CP-551 FOR TYPE B2 JOINT DETAIL INFORMATION
 B3 INLET ISOLATION JOINT SEE NOTE 3	3. SEE CP-552 FOR TYPE D, B1 AND B3 JOINT SEAL DETAILS.
 C CONTRACTION JOINT SEE NOTE 1	4. TYPE B1 EXPANSION JOINTS SHALL NOT BE DOWELED OR TIED TO CONCRETE OR CRCP.
 D1 TRANSVERSE CONSTRUCTION JOINT SEE NOTE 1	5. TYPE B3 JOINTS SHALL BE SEALED WITH JOINT SEALANT PER SPECIFICATION ITEM 02752-101 AND DETAIL "FORMED ISOLATION JOINT" ON SHEET CP-552.
 D2 LONGITUDINAL CONSTRUCTION JOINT SEE NOTE 1	6. INSTALL 1/2 FIBER EXPANSION BOARD AT SIDEWALK CONSTRUCTION JOINT.
 D3 WIDENING CONSTRUCTION JOINT SEE NOTE 1	7. ALL FIBER BOARD SHALL MEET ASTM D1751 OR D1752.
 F TRANSVERSE TIE JOINT SEE NOTE 1	
 S ASPHALT CONSTRUCTION JOINT SEE NOTE 1	

HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT /
HOUSTON, TX

ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY,
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HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

STATE OF TEXAS
HOUSTON AIRPORT SYSTEM
Kenswick Drive Extension
Jointing Plan
05/08/2024

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
JOINTING PLAN**
ISSUED FOR PERMIT

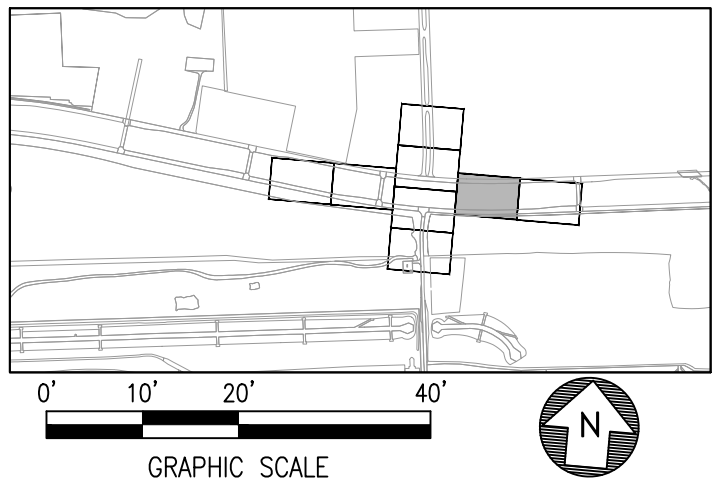
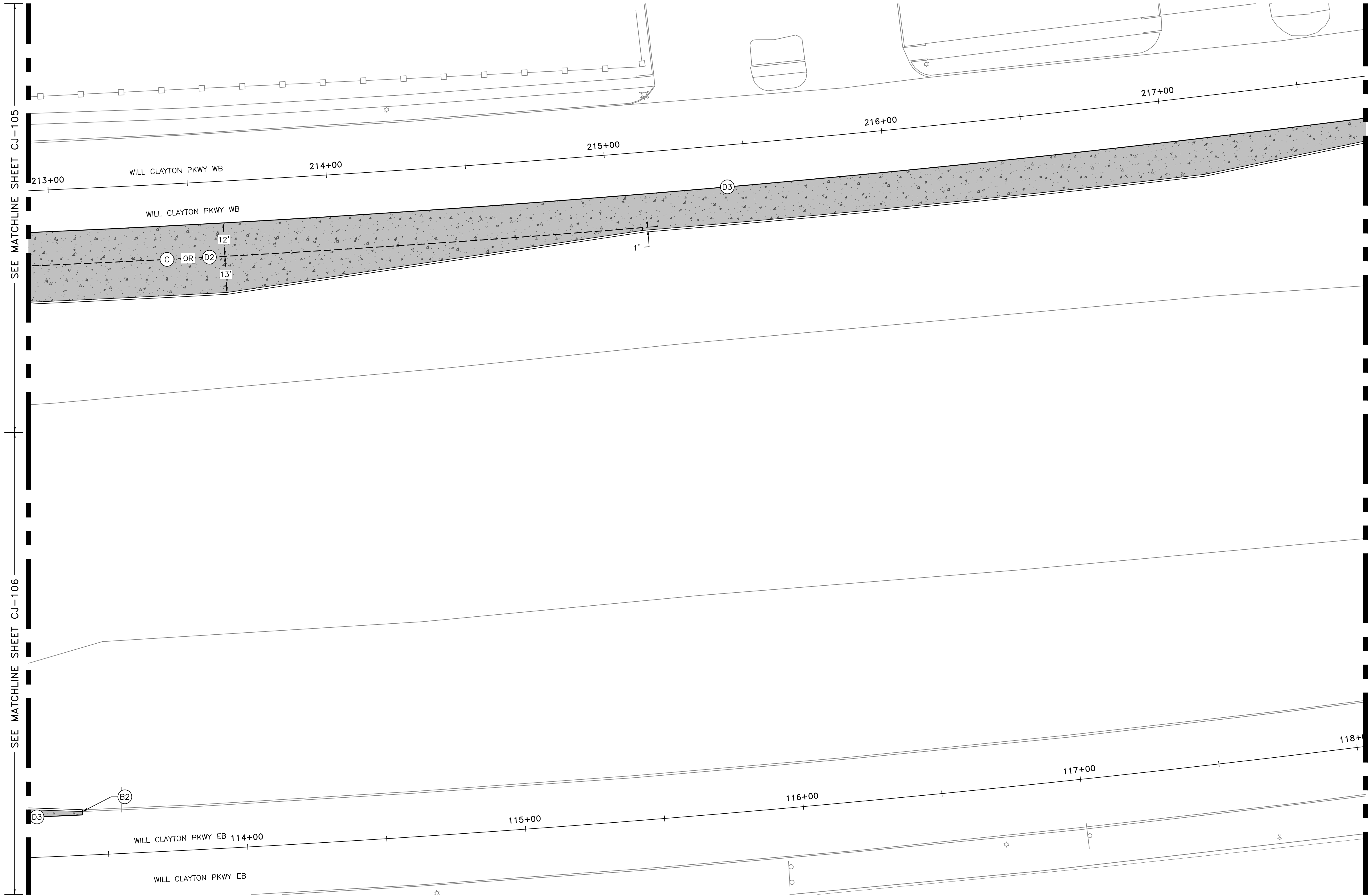
STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED
PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY:
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

CJ-107

HAS FILE:C:\PWL\WORK\ATKINS\ATKINS\DOTR3544\DWG59378\1-0935-CJ-101.DWG
PLOT DATE:2024-04-19



REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
JOINTING PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

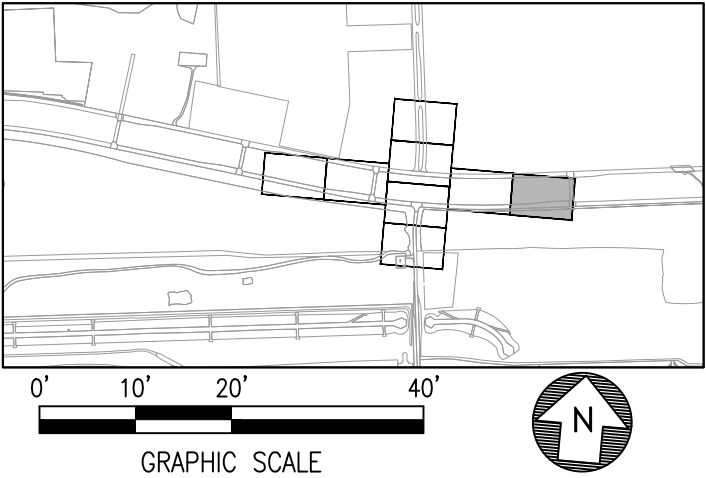
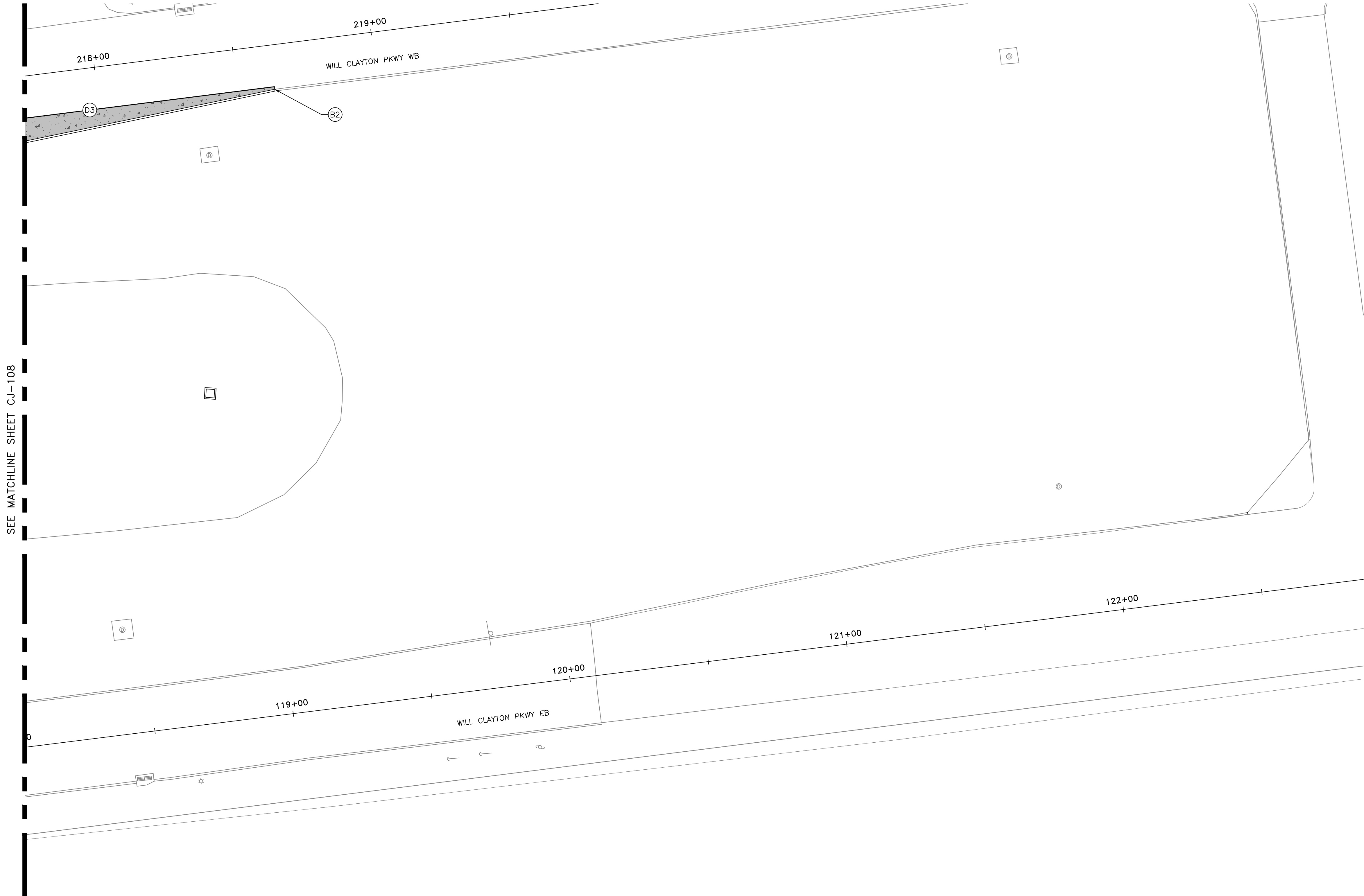


APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	

PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

LEGEND	NOTES
EXPANSION JOINT SEE NOTE 4	1. SEE CP-551 FOR TYPE C, D, F OR S PAVEMENT JOINT DETAIL INFORMATION.
CURB EXPANSION JOINT SEE NOTE 2	2. SEE CP-551 FOR TYPE B2 JOINT DETAIL INFORMATION
INLET ISOLATION JOINT SEE NOTE 3	3. SEE CP-552 FOR TYPE D, B1 AND B3 JOINT SEAL DETAILS.
CONTRACTION JOINT SEE NOTE 1	4. TYPE B1 EXPANSION JOINTS SHALL NOT BE DOWELED OR TIED TO CONCRETE OR CRCP.
TRANSVERSE CONSTRUCTION JOINT SEE NOTE 1	5. TYPE B3 JOINTS SHALL BE SEALED WITH JOINT SEALANT PER SPECIFICATION ITEM 02752-101 AND DETAIL "FORMED ISOLATION JOINT" ON SHEET CP-552.
LONGITUDINAL CONSTRUCTION JOINT SEE NOTE 1	6. INSTALL 1/2 FIBER EXPANSION BOARD AT SIDEWALK CONSTRUCTION JOINT.
WIDENING CONSTRUCTION JOINT SEE NOTE 1	7. ALL FIBER BOARD SHALL MEET ASTM D1751 OR D1752.
TRANSVERSE TIE JOINT SEE NOTE 1	
ASPHALT CONSTRUCTION JOINT SEE NOTE 1	

HAS FILE:C:\PWL\WORK\ATKINS\ATKINS\DOTR3544\DWG59378\--0935--CJ-101.DWG
PLOT DATE:2024-04-19



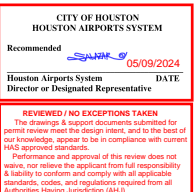


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX



LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
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NO.	DESCRIPTION	DATE BY



STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

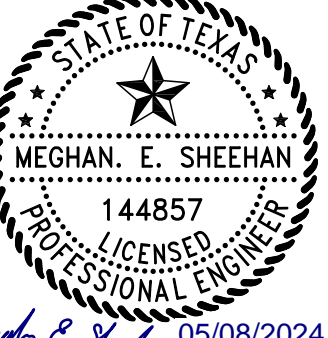
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION

JOINTING PLAN

ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

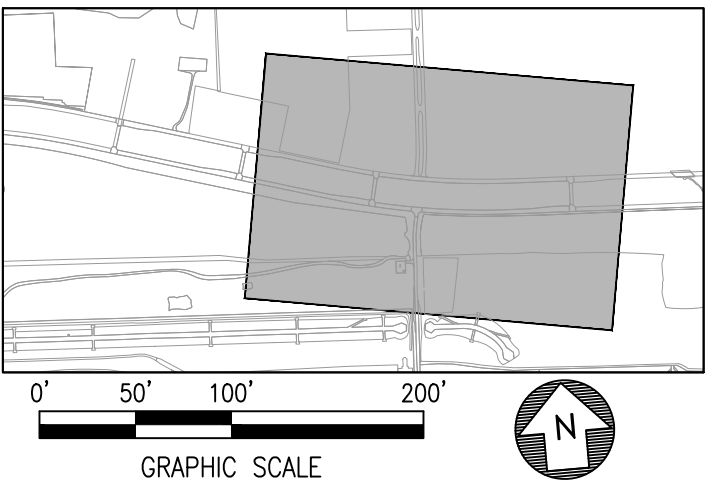
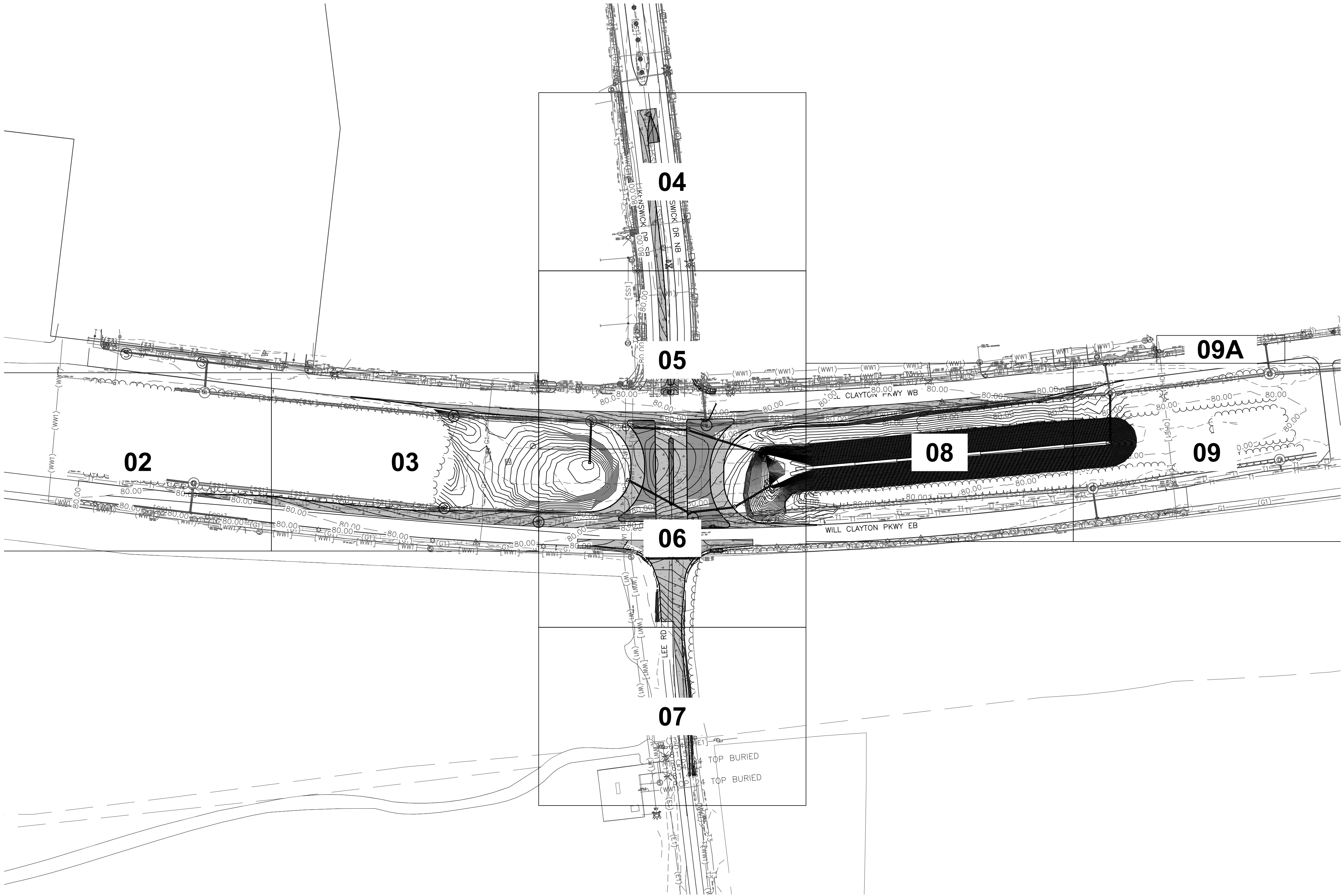
APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	

PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

CJ-109

LEGEND		NOTES
—(B1)—	EXPANSION JOINT SEE NOTE 4	1. SEE CP-551 FOR TYPE C, D, F OR S PAVEMENT JOINT DETAIL INFORMATION.
—(B2)—	CURB EXPANSION JOINT SEE NOTE 2	2. SEE CP-551 FOR TYPE B2 JOINT DETAIL INFORMATION
—(B3)—	INLET ISOLATION JOINT SEE NOTE 3	3. SEE CP-552 FOR TYPE D, B1 AND B3 JOINT SEAL DETAILS.
—(C)—	CONTRACTION JOINT SEE NOTE 1	4. TYPE B1 EXPANSION JOINTS SHALL NOT BE DOWELED OR TIED TO CONCRETE OR CRCP.
—(D1)—	TRANSVERSE CONSTRUCTION JOINT SEE NOTE 1	5. TYPE B3 JOINTS SHALL BE SEALED WITH JOINT SEALANT PER SPECIFICATION ITEM 02752-101 AND DETAIL "FORMED ISOLATION JOINT" ON SHEET CP-552.
—(D2)—	LONGITUDINAL CONSTRUCTION JOINT SEE NOTE 1	6. INSTALL 1/2 FIBER EXPANSION BOARD AT SIDEWALK CONSTRUCTION JOINT.
—(D3)—	WIDENING CONSTRUCTION JOINT SEE NOTE 1	7. ALL FIBER BOARD SHALL MEET ASTM D1751 OR D1752.
—(F)—	TRANSVERSE TIE JOINT SEE NOTE 1	
—(S)—	ASPHALT CONSTRUCTION JOINT SEE NOTE 1	

HAS FILE:C:\PW\WORK\ATKIN\TX01\WSATKINS_DOTR3544\DWG59378\--0935--CD--101.DWG
PLOT DATE: 2024-04-05



LEGEND	
	EXISTING STORM SEWER
	PROPOSED INLET TYPE C
	PROPOSED MANHOLE/INLET
	PROPOSED INLET TYPE PAZD
	PROPOSED CONCRETE HEADWALL

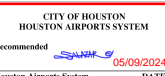


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX



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HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY



CITY OF HOUSTON
RESOLUTION NO. 2024-000000
APPROVED: _____
DATE: _____
OFFICIAL: _____
DIRECTOR OF PUBLIC WORKS

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
OVERALL GRADING AND DRAINAGE PLAN**
ISSUED FOR PERMIT

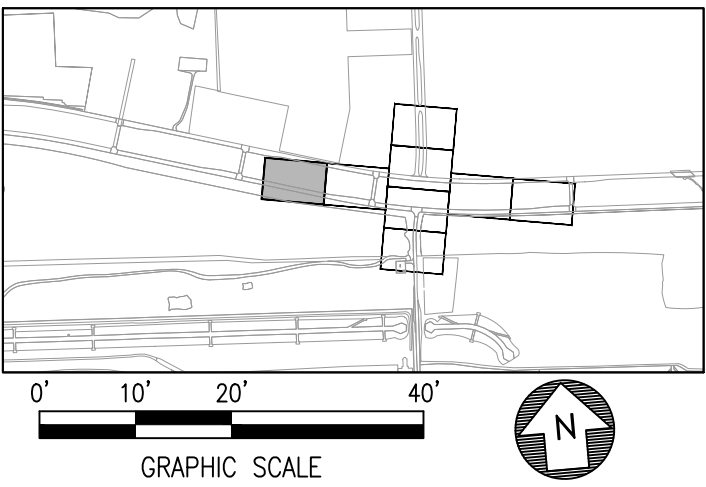
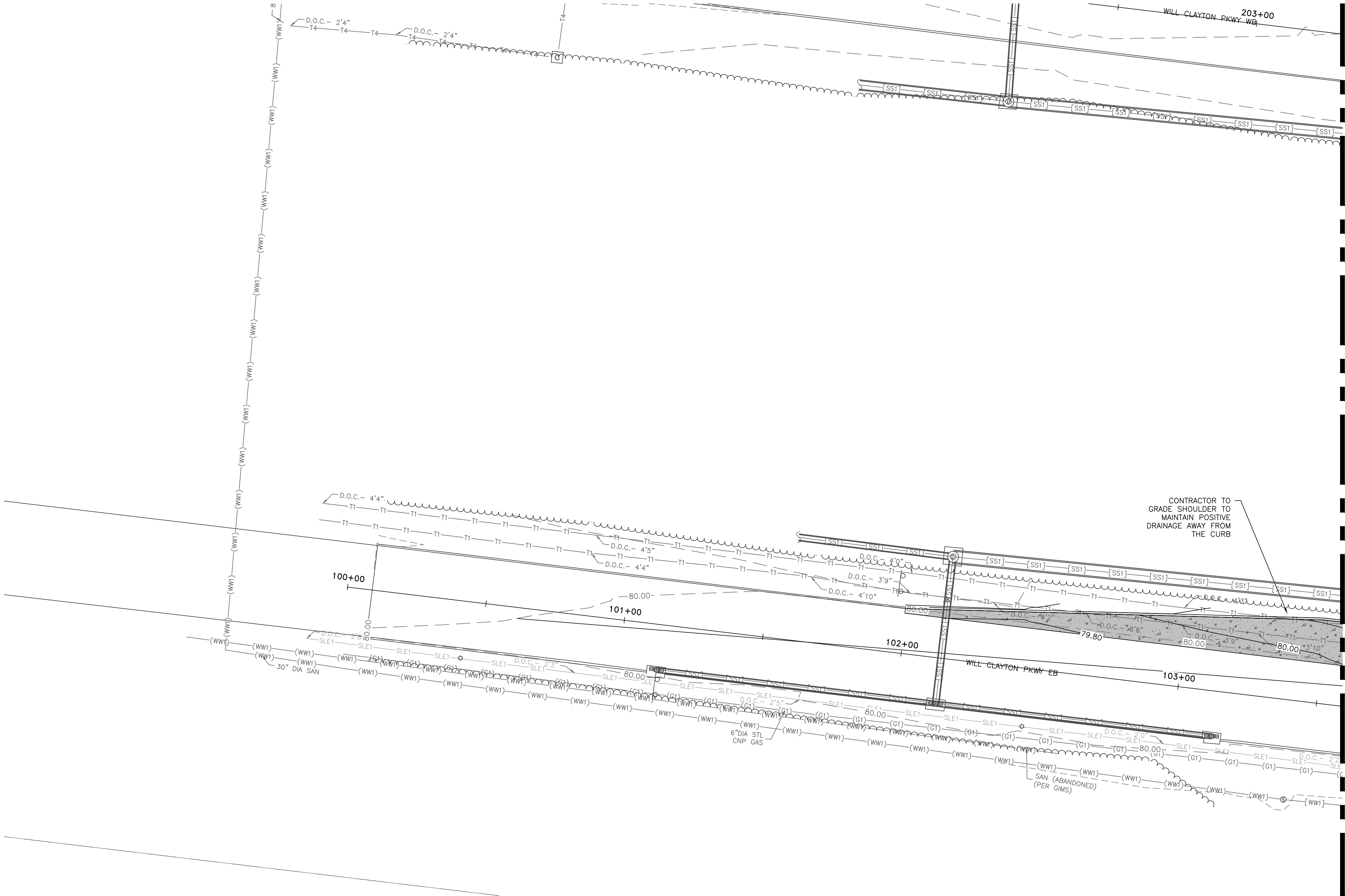
PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

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PLOT DATE:2024-04-05



SEE MATCHLINE SHEET CD-103

LEGEND	
— SS1 — SS1 —	EXISTING STORM SEWER
□	PROPOSED INLET TYPE C
○	PROPOSED MANHOLE/INLET
□	PROPOSED INLET TYPE PAZD
□	PROPOSED CONCRETE HEADWALL
— — —	EXISTING MAJOR CONTOUR
- - - - -	EXISTING MINOR CONTOUR
— — — — —	PROPOSED MAJOR CONTOUR
— — — — —	PROPOSED MINOR CONTOUR

NOTES	
1.	EXISTING PVC PIPE AT STRUCTURE S11 SHALL BE REPLACED WITH PVC PIPE MEETING ASTM F949 AND ASSOCIATED PIPE COUPLING.
2.	ASSOCIATED PIPE DEMOLITION AND INSTALLATION OF NEW PIPES WITH STRUCTURE REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE STRUCTURE. INVERTS SHALL MATCH EXISTING AND INSTALLED PIPES SHALL BE CLASS III RCP.
3.	CALL BEFORE YOU DIG. BY LAW, CONTRACTORS MUST CALL 811 AT LEAST 48 HOURS IN ADVANCE BEFORE DIGGING. FREE OF CHARGE, THE NOTIFICATION CENTER ALERTS UTILITIES SUCH AS ELECTRIC, GAS, CABLE, AND PHONE COMPANIES SO THEY CAN MARK THE LOCATION OF THE UNDERGROUND LINES. VISIT WWW.TEXAS811.ORG FOR ADDITIONAL INFORMATION.
4.	DRAINAGE STRUCTURE DETAILS ARE PROVIDED ON SHEETS CD-551 THRU CD-553

REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
GRADING AND DRAINAGE PLAN**
ISSUED FOR PERMIT

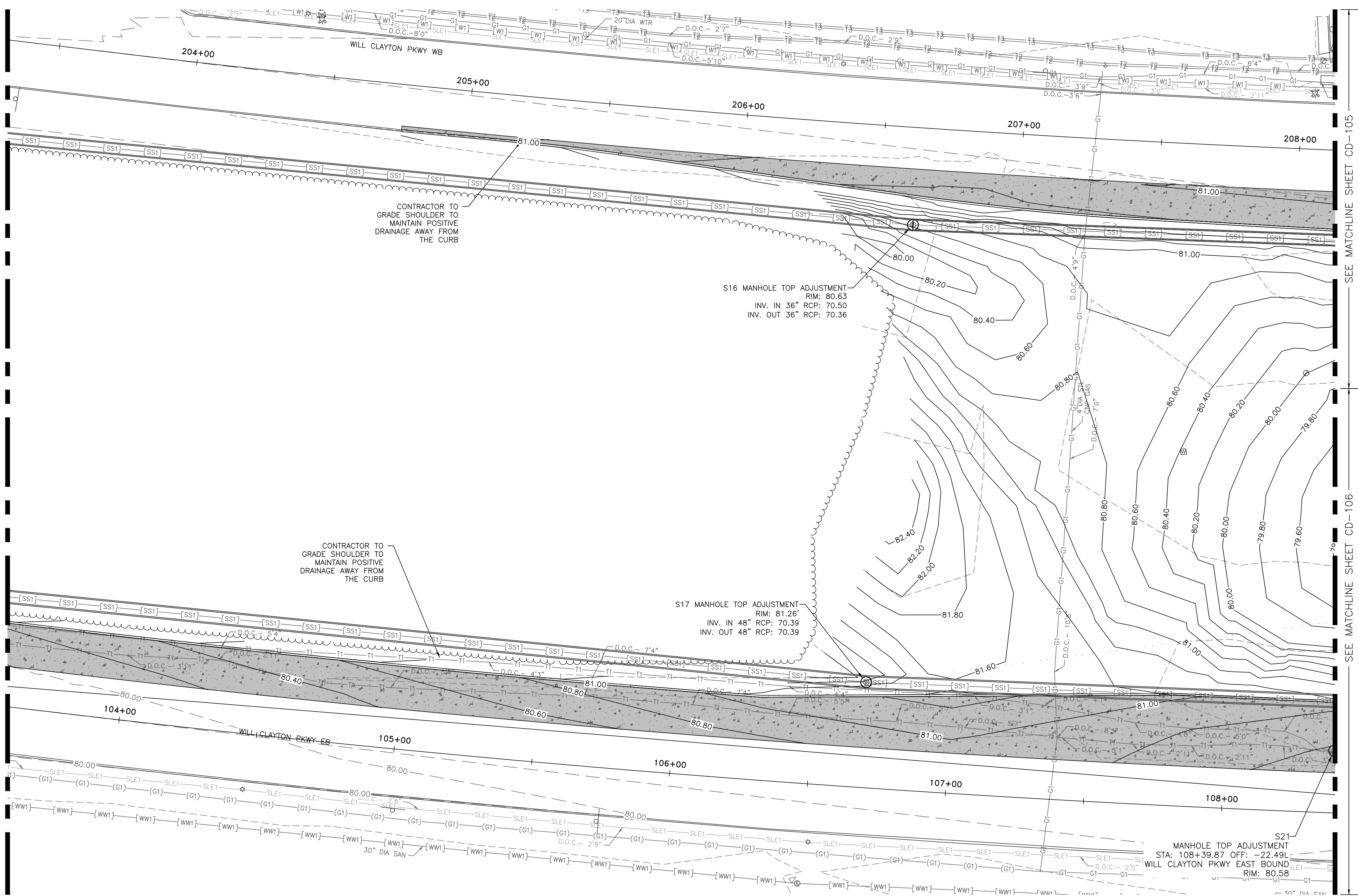
PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



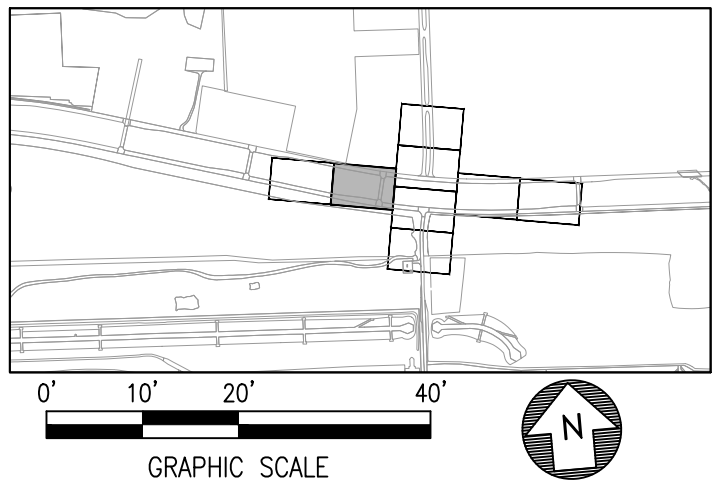
APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO. 100072032	
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO. 935	
SHEET NO.	

HAS FILE C:\PW\WORK\ATKIN\TX01\WSATKINS_DOTR3544\DWSS9378\CD-101.DWG
PLOT DATE: 2024-04-19

SEE MATCHLINE SHEET CD-102



SEE MATCHLINE SHEET CD-105
SEE MATCHLINE SHEET CD-106



LEGEND	
	EXISTING STORM SEWER
	PROPOSED INLET TYPE C
	PROPOSED MANHOLE/INLET
	PROPOSED INLET TYPE PAZD
	PROPOSED CONCRETE HEADWALL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

- | NOTES | |
|-------|---|
| 1. | EXISTING PVC PIPE AT STRUCTURE S11 SHALL BE REPLACED WITH PVC PIPE MEETING ASTM F949 AND ASSOCIATED PIPE COUPLING. |
| 2. | ASSOCIATED PIPE DEMOLITION AND INSTALLATION OF NEW PIPES WITH STRUCTURE REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE STRUCTURE. INVERTS SHALL MATCH EXISTING AND INSTALLED PIPES SHALL BE CLASS III RCP. |
| 3. | CALL BEFORE YOU DIG. BY LAW, CONTRACTORS MUST CALL 811 AT LEAST 48 HOURS IN ADVANCE BEFORE DIGGING. FREE OF CHARGE, THE NOTIFICATION CENTER ALERTS UTILITIES SUCH AS ELECTRIC, GAS, CABLE, AND PHONE COMPANIES SO THEY CAN MARK THE LOCATION OF THE UNDERGROUND LINES. VISIT WWW.TEXAS811.ORG FOR ADDITIONAL INFORMATION. |
| 4. | DRAINAGE STRUCTURE DETAILS ARE PROVIDED ON SHEETS CD-551 THRU CD-553 |

REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
GRADING AND DRAINAGE PLAN**

ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

LOCAL OFFICE:
920 MEMORIAL CITY WAY
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474

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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
GRADING AND DRAINAGE PLAN

ISSUED FOR PERMIT

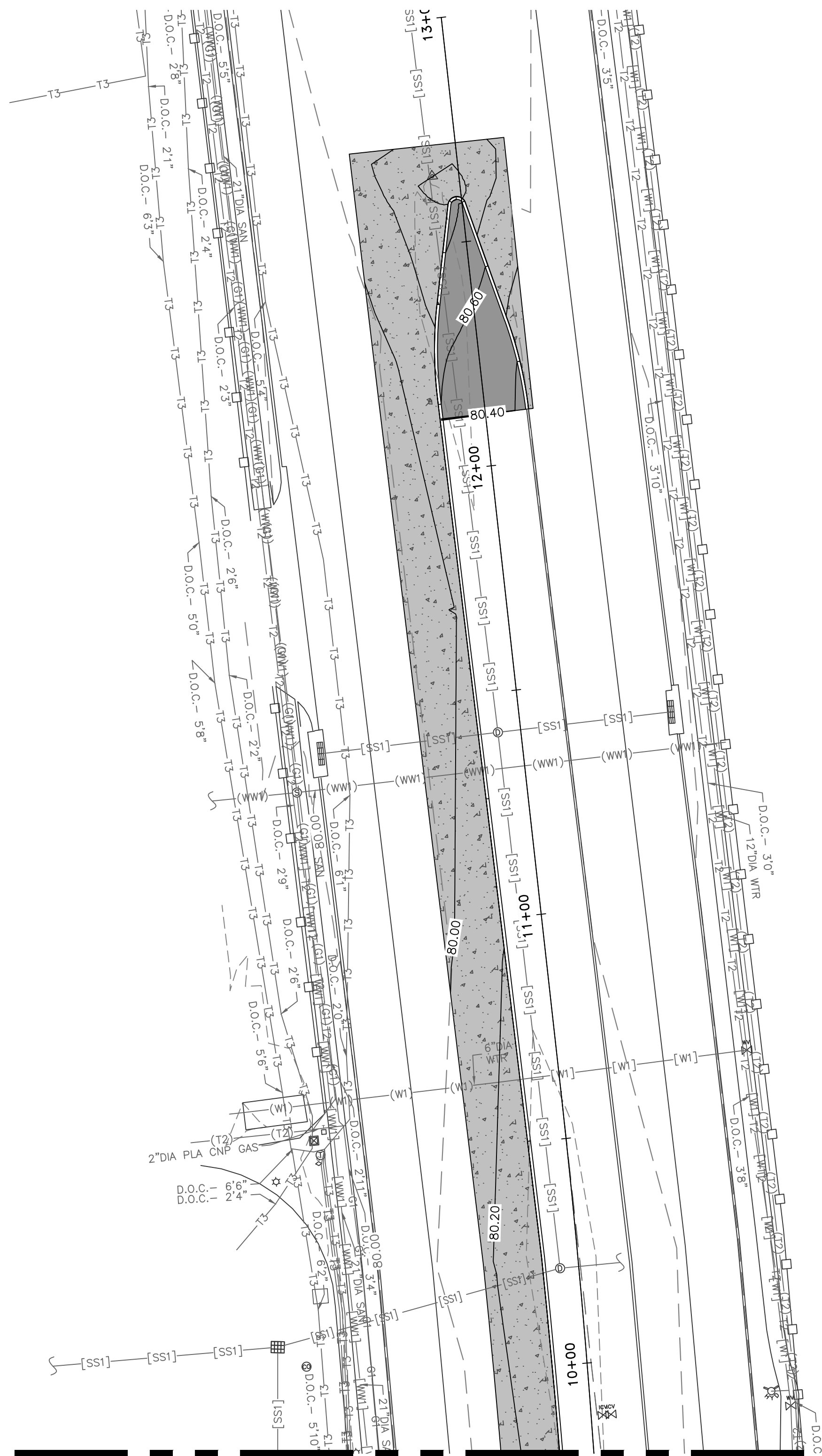
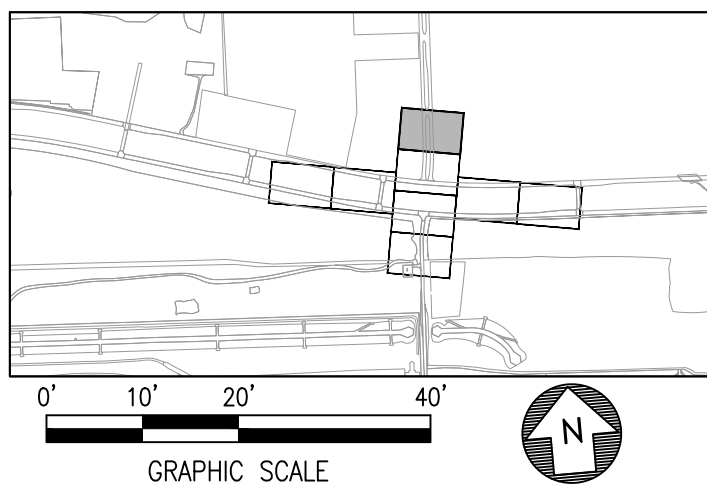
DATE: 05/08/202



DIRECTOR
HOUSTON AIRPORT SYSTEM





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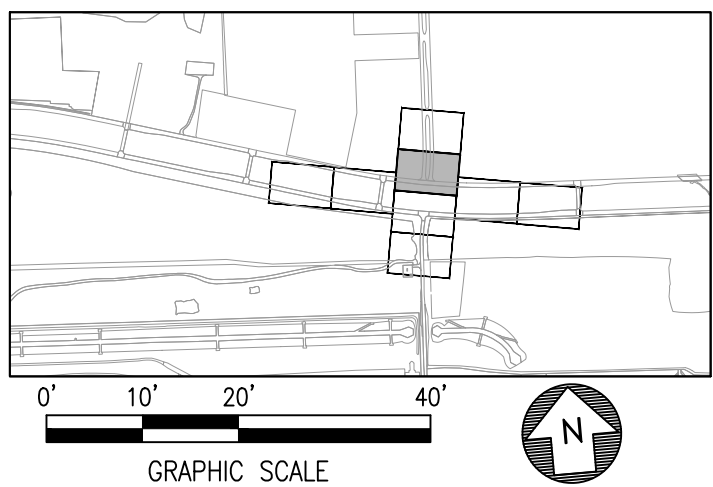
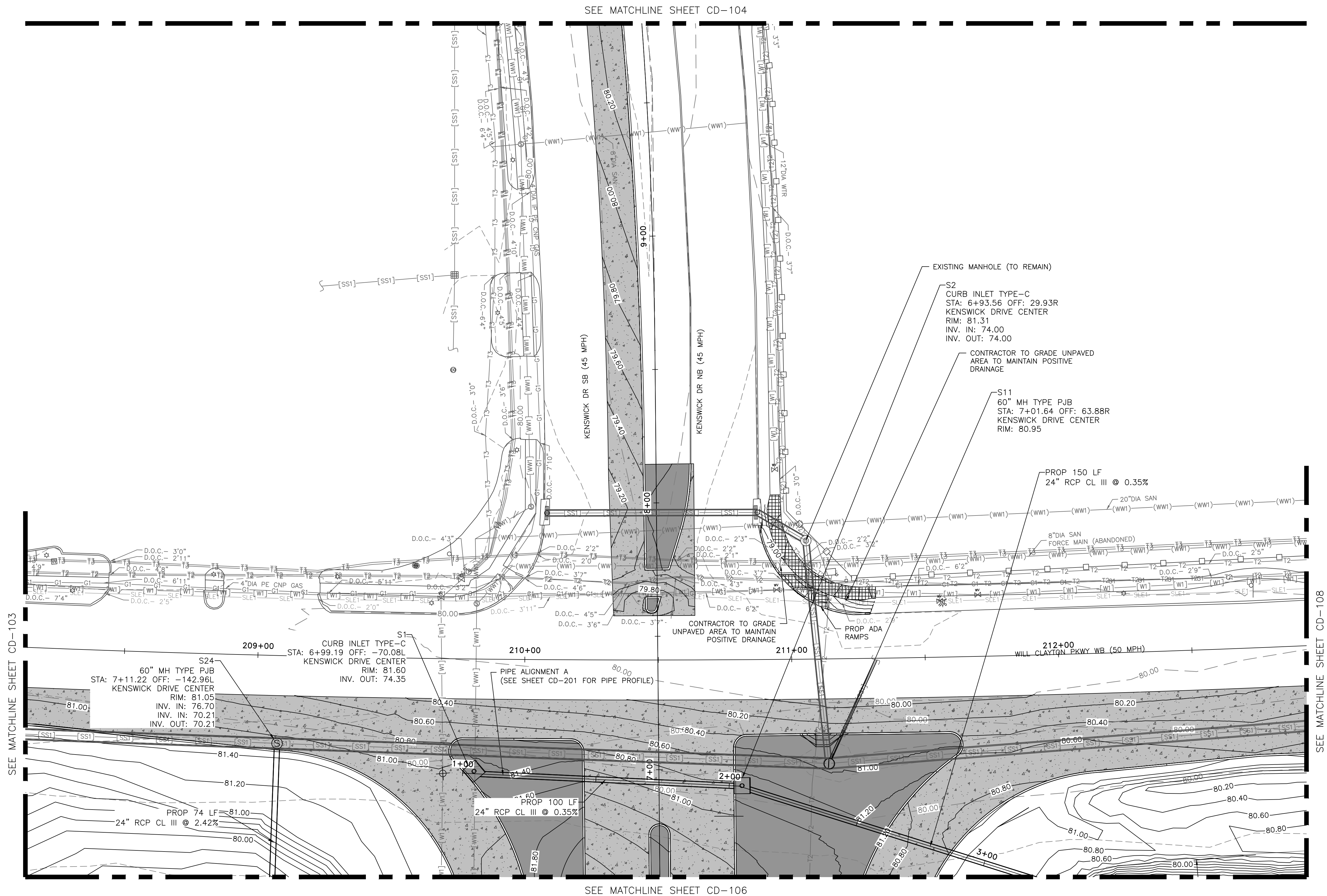
SEE MATCHLINE SHEET CD-105

NOTES

- | | |
|---|----------------------------|
| — SS13 — SS12 — | EXISTING STORM SEWER |
|  | PROPOSED INLET TYPE C |
|  | PROPOSED MANHOLE/INLET |
|  | PROPOSED INLET TYPE PAZD |
|  | PROPOSED CONCRETE HEADWALL |
| — — — | EXISTING MAJOR CONTOUR |
| — — — | EXISTING MINOR CONTOUR |
| ===== | PROPOSED MAJOR CONTOUR |
| ===== | PROPOSED MINOR CONTOUR |

1. EXISTING PVC PIPE AT STRUCTURE S11 SHALL BE REPLACED WITH PVC PIPE MEETING ASTM F949 AND ASSOCIATED PIPE COUPLING.
2. ASSOCIATED PIPE DEMOLITION AND INSTALLATION OF NEW PIPES WITH STRUCTURE REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE STRUCTURE. INVENTORIES SHALL MATCH EXISTING AND INSTALLED PIPES SHALL BE CLASS III RCP.
3. CALL BEFORE YOU DIG. BY LAW, CONTRACTORS MUST CALL 811 AT LEAST 48 HOURS IN ADVANCE BEFORE DIGGING. FREE OF CHARGE, THE NOTIFICATION CENTER ALERTS UTILITIES SUCH AS ELECTRIC, GAS, CABLE, AND PHONE COMPANIES SO THEY CAN MARK THE LOCATION OF THE UNDERGROUND LINES. VISIT WWW.TEXAS811.ORG FOR ADDITIONAL INFORMATION.
4. DRAINAGE STRUCTURE DETAILS ARE PROVIDED ON SHEETS CD-551 THRU CD-553

HAS FILE:C:\PW\WORK\ATKIN\TX\1\WSATKINS_DOTR3544\DWSS9378\1-0935-CD-101.DWG
PLOT DATE: 2024-04-19



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
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ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE: 1"=40'
DATE: 05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
GRADING AND DRAINAGE PLAN
ISSUED FOR PERMIT

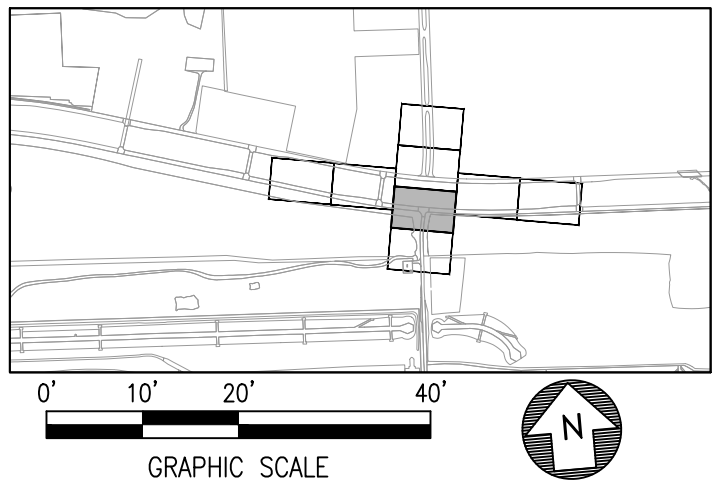
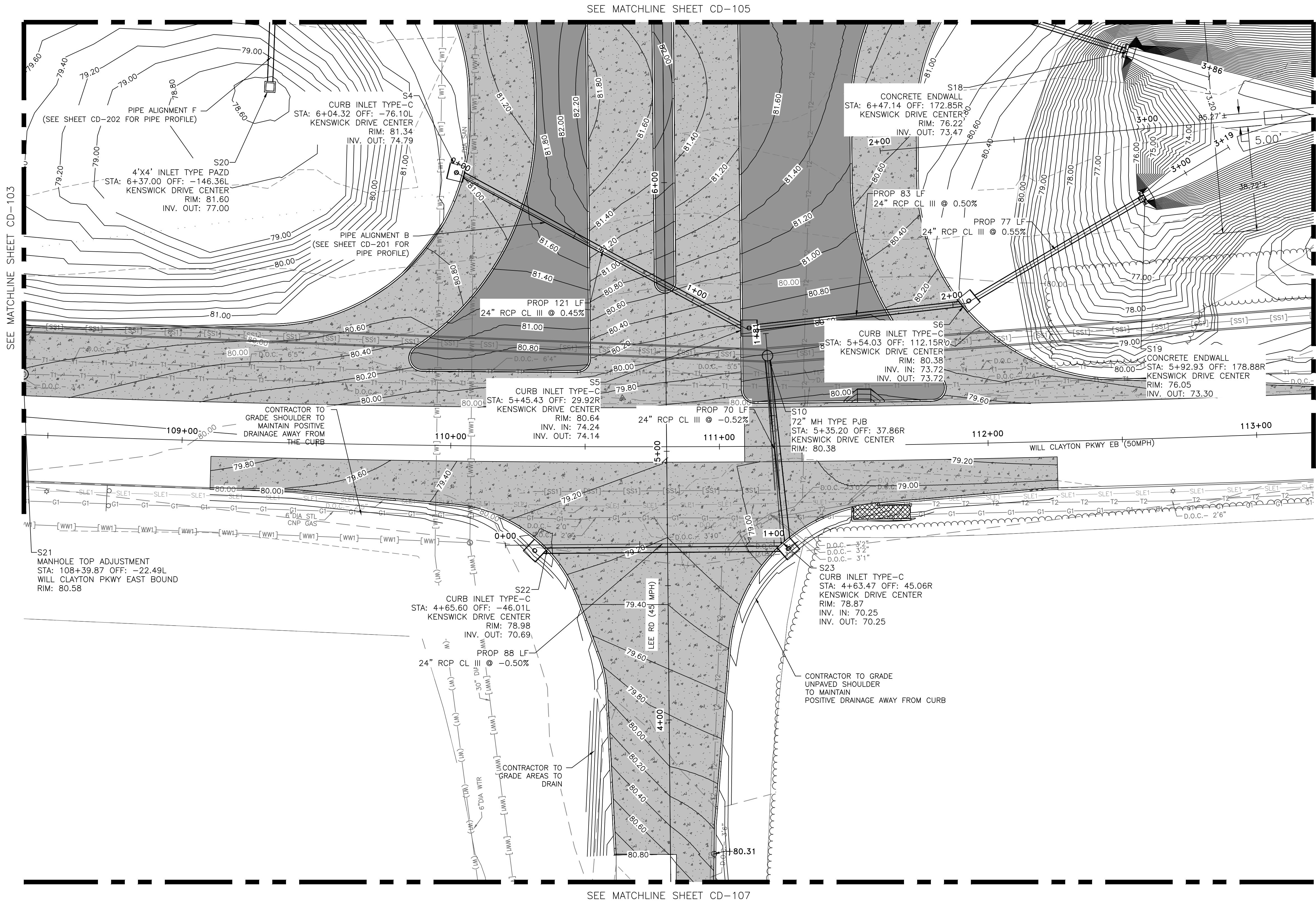
PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE: 1"=40'
DATE: 05/08/2024

APPROVED BY: _____
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. 100072032
A.I.P. NO. _____
C.I.P. NO. _____
H.A.S. NO. 935
SHEET NO. _____

STATE OF TEXAS
MEGHAN, E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

HAS FILE C:\PWL\WORK\ATKIN\TX01\WSATKINS_DOTR3544\DWG59378\1-0935-CD-101.DWG
PLOT DATE: 2024-04-19



LEGEND	
	EXISTING STORM SEWER
	PROPOSED INLET TYPE C
	PROPOSED MANHOLE/INLET
	PROPOSED INLET TYPE PAZD
	PROPOSED CONCRETE HEADWALL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

- | NOTES | |
|-------|---|
| 1. | EXISTING PVC PIPE AT STRUCTURE S11 SHALL BE REPLACED WITH PVC PIPE MEETING ASTM F949 AND ASSOCIATED PIPE COUPLING. |
| 2. | ASSOCIATED PIPE DEMOLITION AND INSTALLATION OF NEW PIPES WITH STRUCTURE REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE STRUCTURE. INVERTS SHALL MATCH EXISTING AND INSTALLED PIPES SHALL BE CLASS III RCP. |
| 3. | CALL BEFORE YOU DIG. BY LAW, CONTRACTORS MUST CALL 811 AT LEAST 48 HOURS IN ADVANCE BEFORE DIGGING. FREE OF CHARGE, THE NOTIFICATION CENTER ALERTS UTILITIES SUCH AS ELECTRIC, GAS, CABLE, AND PHONE COMPANIES SO THEY CAN MARK THE LOCATION OF THE UNDERGROUND LINES. VISIT WWW.TEXAS811.ORG FOR ADDITIONAL INFORMATION. |
| 4. | DRAINAGE STRUCTURE DETAILS ARE PROVIDED ON SHEETS CD-551 THRU CD-553 |

ATKINS

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HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
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REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
GRADING AND DRAINAGE PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



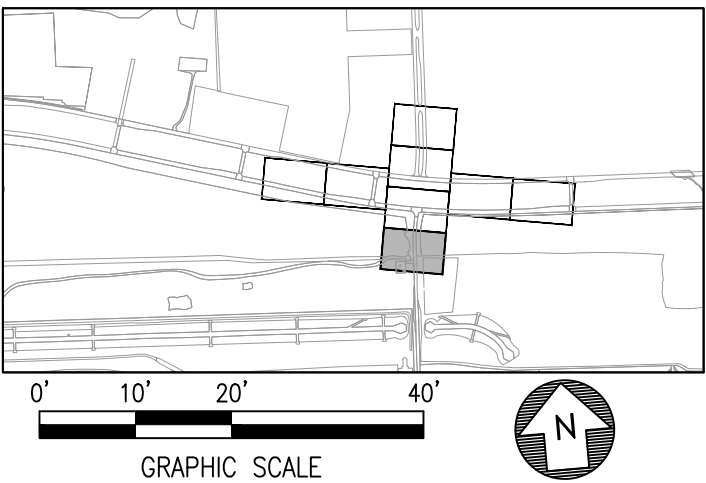
APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

CD-106

HAS FILE:C:\PWL_WORK\ATKINS\ATKINS\DOTR3544\DWG59378\CD-101.DWG
PLOT DATE: 2024-04-19



NOTE:
PROPOSED SPOT ELEVATIONS ARE PROVIDED ON
STATION EVERY 50 FEET PERPENDICULAR TO LEE
ROAD ALIGNMENT AND ON GEOMETRIC BREAKS.



LEGEND	
	EXISTING STORM SEWER
	PROPOSED INLET TYPE C
	PROPOSED MANHOLE/INLET
	PROPOSED INLET TYPE PAZD
	PROPOSED CONCRETE HEADWALL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR

- | NOTES | |
|-------|---|
| 1. | EXISTING PVC PIPE AT STRUCTURE S11 SHALL BE REPLACED WITH PVC PIPE MEETING ASTM F949 AND ASSOCIATED PIPE COUPLING. |
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| 4. | DRAINAGE STRUCTURE DETAILS ARE PROVIDED ON SHEETS CD-551 THRU CD-553 |

HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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HOUSTON, TX 77024
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REVISIONS		
NO.	DESCRIPTION	DATE BY

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

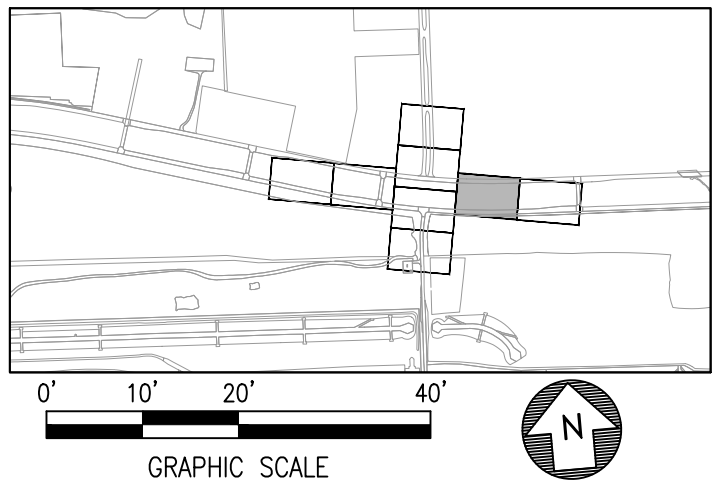
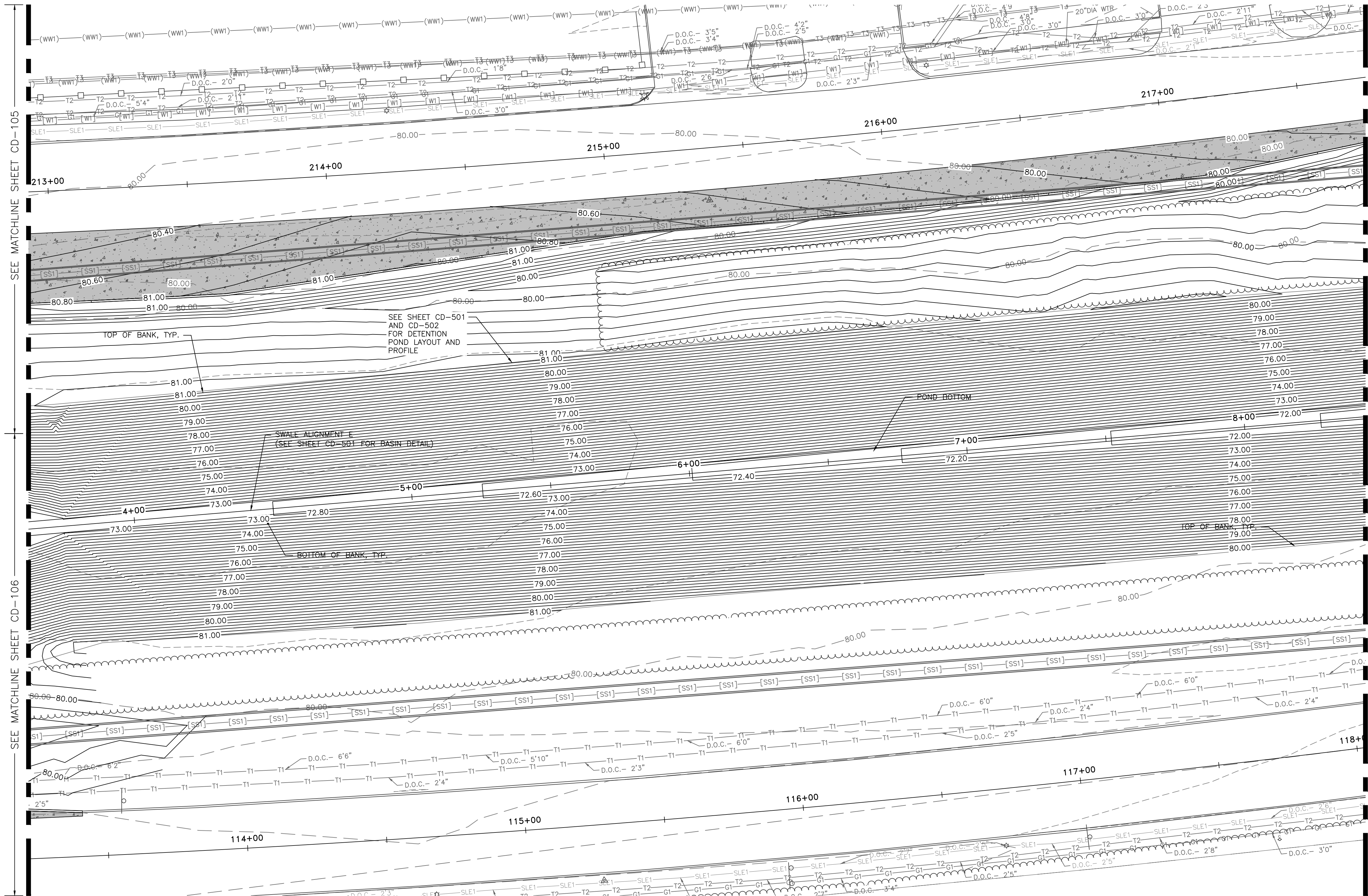
ISSUED FOR PERMIT

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

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PLOT DATE: 2024-04-19



LEGEND

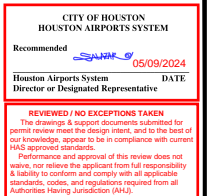
- EXISTING STORM SEWER
- PROPOSED INLET TYPE C
- PROPOSED MANHOLE/INLET
- PROPOSED INLET TYPE PAZD
- PROPOSED CONCRETE HEADWALL
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR

NOTES

- EXISTING PVC PIPE AT STRUCTURE S11 SHALL BE REPLACED WITH PVC PIPE MEETING ASTM F949 AND ASSOCIATED PIPE COUPLING.
- ASSOCIATED PIPE DEMOLITION AND INSTALLATION OF NEW PIPES WITH STRUCTURE REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE STRUCTURE. INVERTS SHALL MATCH EXISTING AND INSTALLED PIPES SHALL BE CLASS III RCP.
- CALL BEFORE YOU DIG. BY LAW, CONTRACTORS MUST CALL 811 AT LEAST 48 HOURS IN ADVANCE BEFORE DIGGING. FREE OF CHARGE, THE NOTIFICATION CENTER ALERTS UTILITIES SUCH AS ELECTRIC, GAS, CABLE, AND PHONE COMPANIES SO THEY CAN MARK THE LOCATION OF THE UNDERGROUND LINES. VISIT WWW.TEXAS811.ORG FOR ADDITIONAL INFORMATION.
- DRAINAGE STRUCTURE DETAILS ARE PROVIDED ON SHEETS CD-551 THRU CD-553

REVISIONS

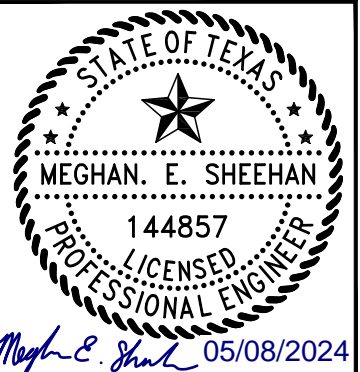
NO.	DESCRIPTION	DATE	BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
GRADING AND DRAINAGE PLAN**

ISSUED FOR PERMIT

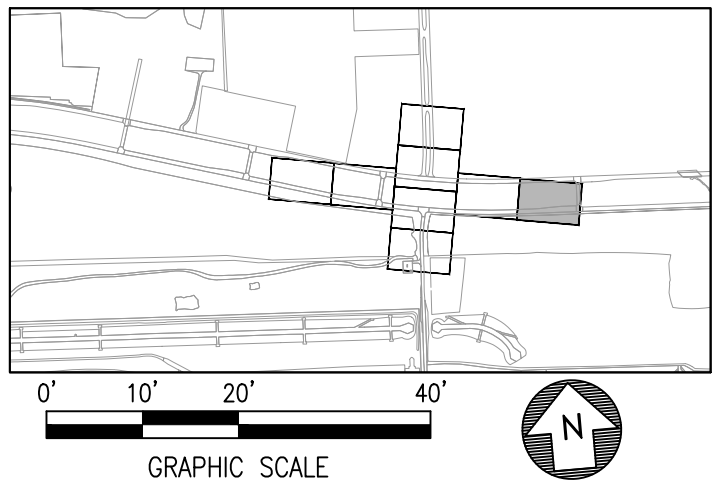
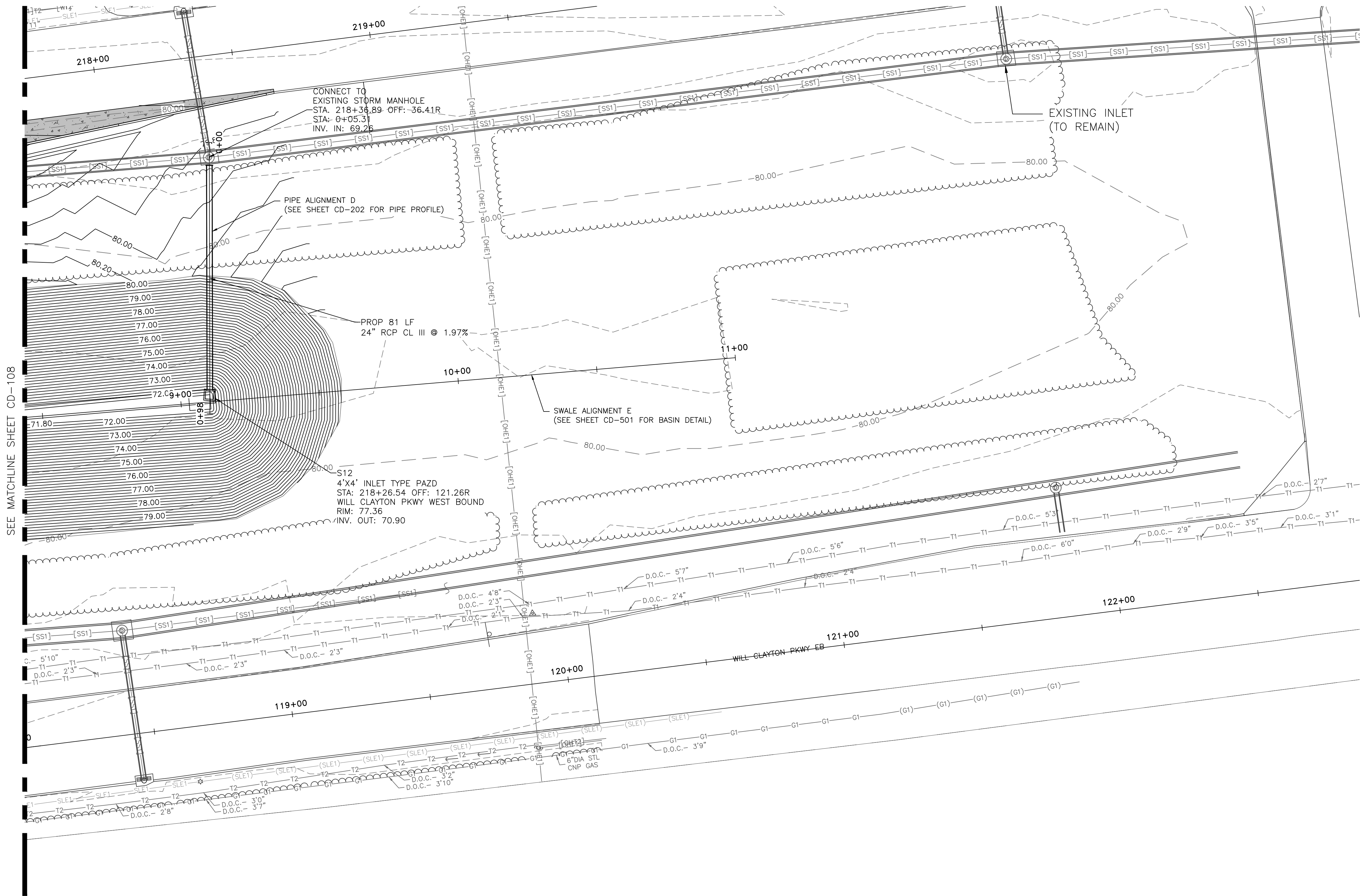
PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



APPROVED BY:
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

HAS FILE C:\PWL\WORK\ATKINS\DOTR3544\DWG59378\--0935--CD-101.DWG
PLOT DATE: 2024-04-19



LEGEND	
— SS1 —	EXISTING STORM SEWER
□	PROPOSED INLET TYPE C
○	PROPOSED MANHOLE/INLET
□	PROPOSED INLET TYPE PAZD
□	PROPOSED CONCRETE HEADWALL
— — —	EXISTING MAJOR CONTOUR
- - - - -	EXISTING MINOR CONTOUR
— — —	PROPOSED MAJOR CONTOUR
- - - - -	PROPOSED MINOR CONTOUR

NOTES	
1.	EXISTING PVC PIPE AT STRUCTURE S11 SHALL BE REPLACED WITH PVC PIPE MEETING ASTM F949 AND ASSOCIATED PIPE COUPLING.
2.	ASSOCIATED PIPE DEMOLITION AND INSTALLATION OF NEW PIPES WITH STRUCTURE REMOVAL AND REPLACEMENT SHALL BE CONSIDERED INCIDENTAL TO THE STRUCTURE. INVERTS SHALL MATCH EXISTING AND INSTALLED PIPES SHALL BE CLASS III RCP.
3.	CALL BEFORE YOU DIG. BY LAW, CONTRACTORS MUST CALL 811 AT LEAST 48 HOURS IN ADVANCE BEFORE DIGGING. FREE OF CHARGE, THE NOTIFICATION CENTER ALERTS UTILITIES SUCH AS ELECTRIC, GAS, CABLE, AND PHONE COMPANIES SO THEY CAN MARK THE LOCATION OF THE UNDERGROUND LINES. VISIT WWW.TEXAS811.ORG FOR ADDITIONAL INFORMATION.
4.	DRAINAGE STRUCTURE DETAILS ARE PROVIDED ON SHEETS CD-551 THRU CD-553

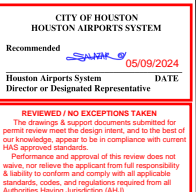


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX



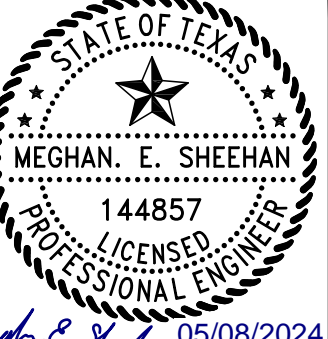
LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
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REVISIONS		
NO.	DESCRIPTION	DATE BY



PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

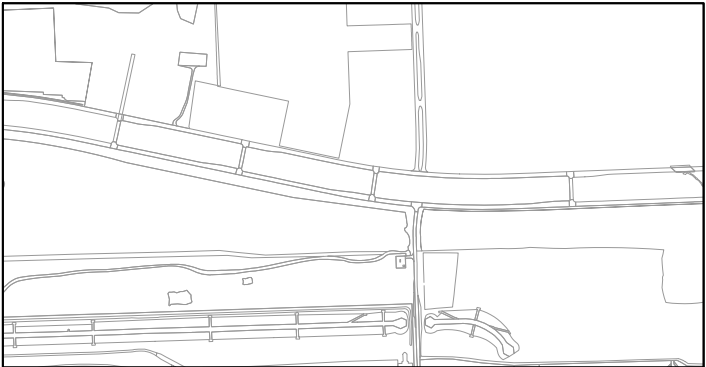
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
GRADING AND DRAINAGE PLAN**
ISSUED FOR PERMIT



APPROVED BY:
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

HAS FILE:C:\PW_WORK\ATKIN\TX01\VSATKINS_DOTR3544\DWG59378\--0935--CD--101.DWG
PLOT DATE:2024-04-19



- 2633-300
- 2633-300
- 2633-300
- 2633-300
- 2633-900
- 2633-900
- 2633-600
- 2086-100
- 2086-100
- 2633-801
- 2633-801
- 2633-600
- 2086-100
- 2633-300
- 2633-300
- 2633-900

ATKINS

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STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
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REVISIONS			
NO.	DESCRIPTION	DATE	BY

CITY OF HOUSTON
HEAVY CONSTRUCTION DIVISION

Document # **100000000**
Revision Number: **00000000**
Revision Date: **05/08/2024**
Revision Description: **Issue for Permit**

PROJECT NO. **100072032**

PROJECT NAME **GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)**

PROJECT LOCATION **KENSWICK DRIVE EXTENSION**

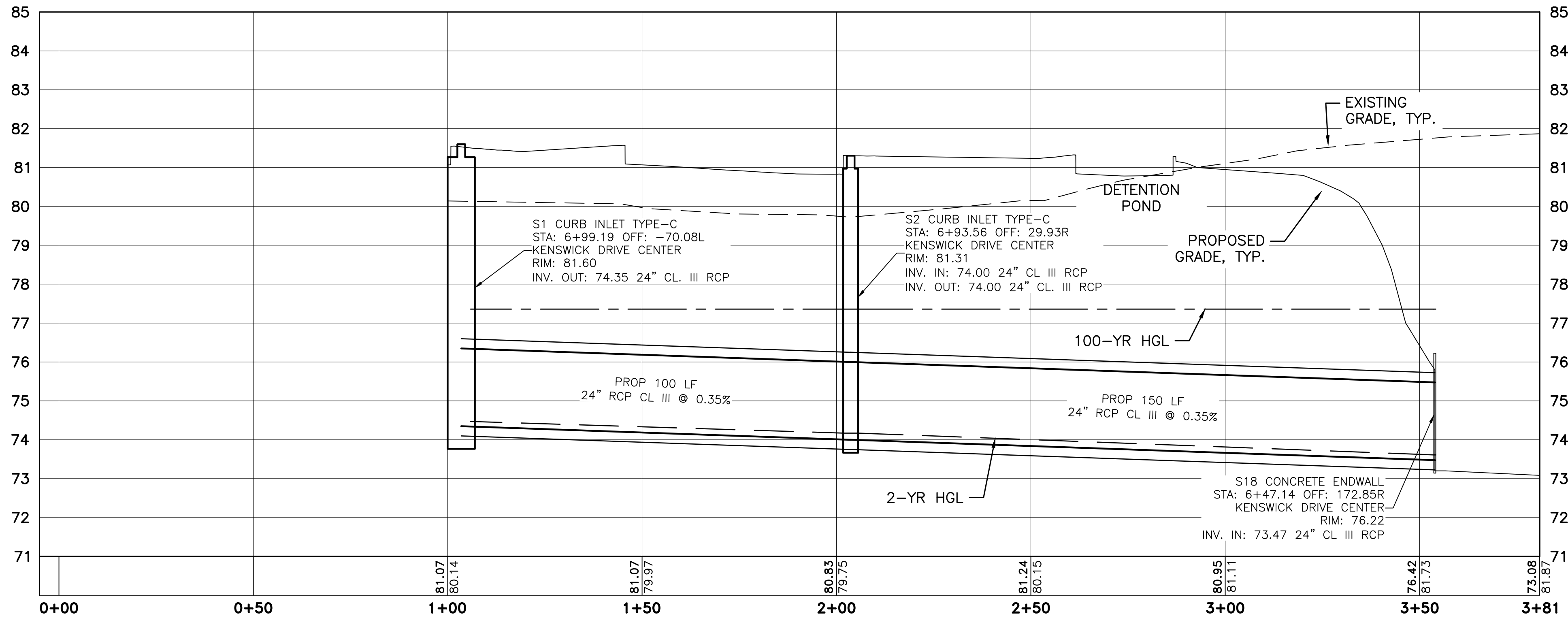
PROJECT DESCRIPTION **DRAINAGE STRUCTURE AND PIPE SCHEDULES**

ISSUED FOR PERMIT

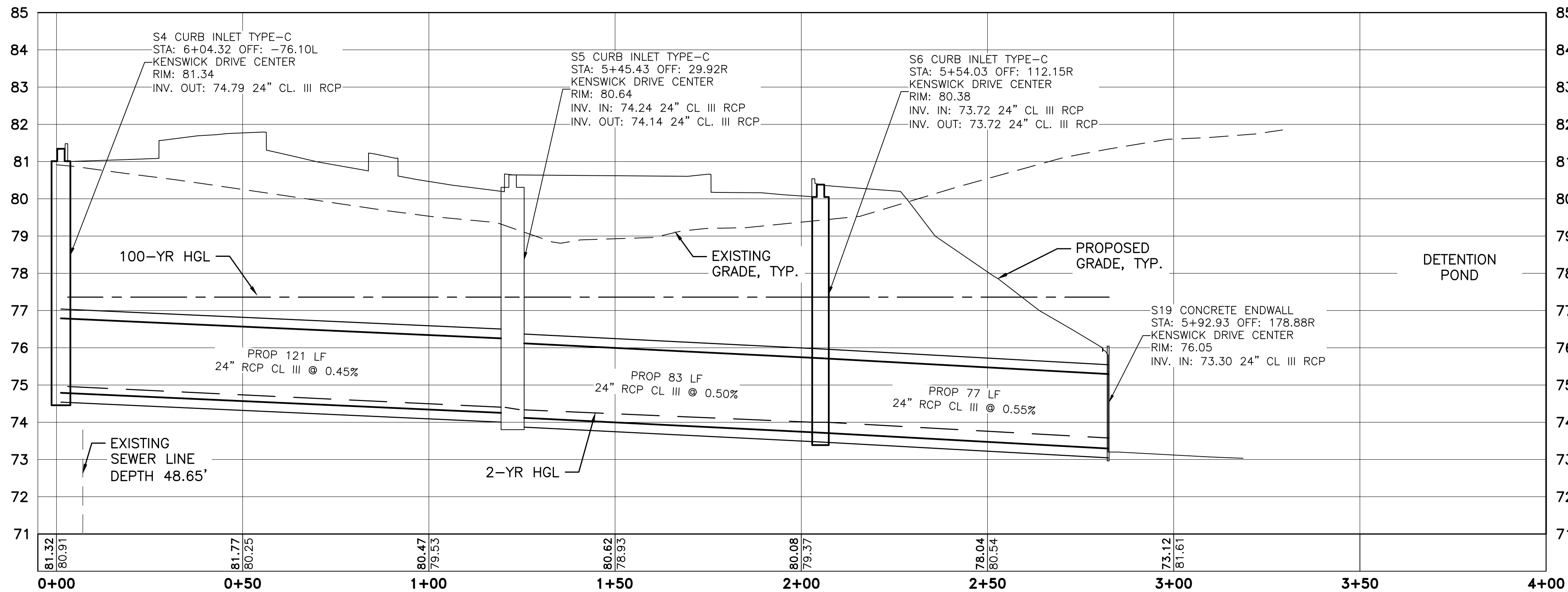
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DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



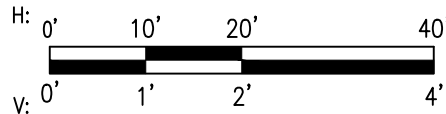
APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	



1 PIPE ALIGNMENT A — NORTH MEDIAN
CD-201 SCALE: AS SHOWN



2 PIPE ALIGNMENT B — SOUTH MEDIAN
CD-201 SCALE: AS SHOWN



REVISIONS		
NO.	DESCRIPTION	DATE BY

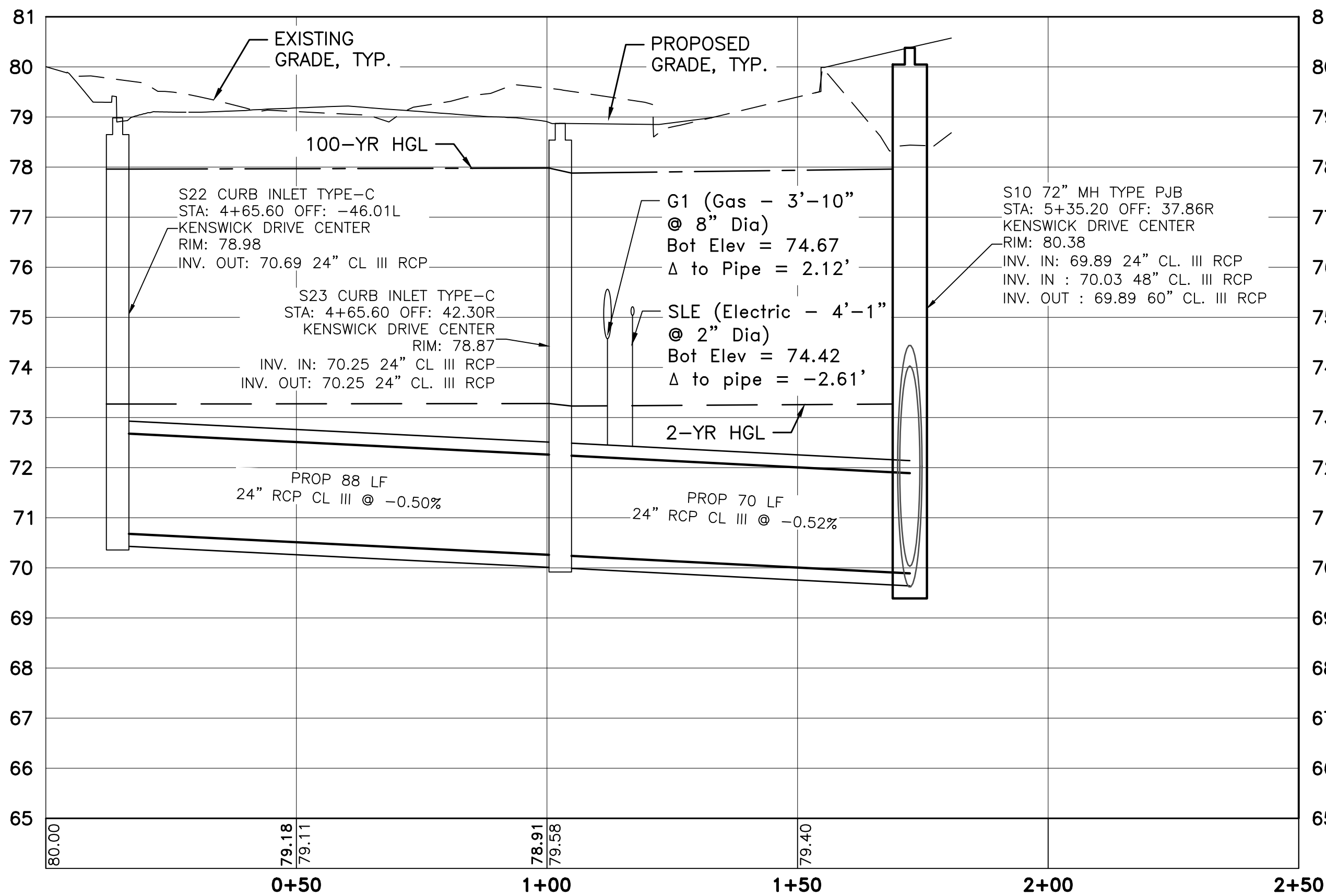
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
STORM DRAIN PROFILES
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

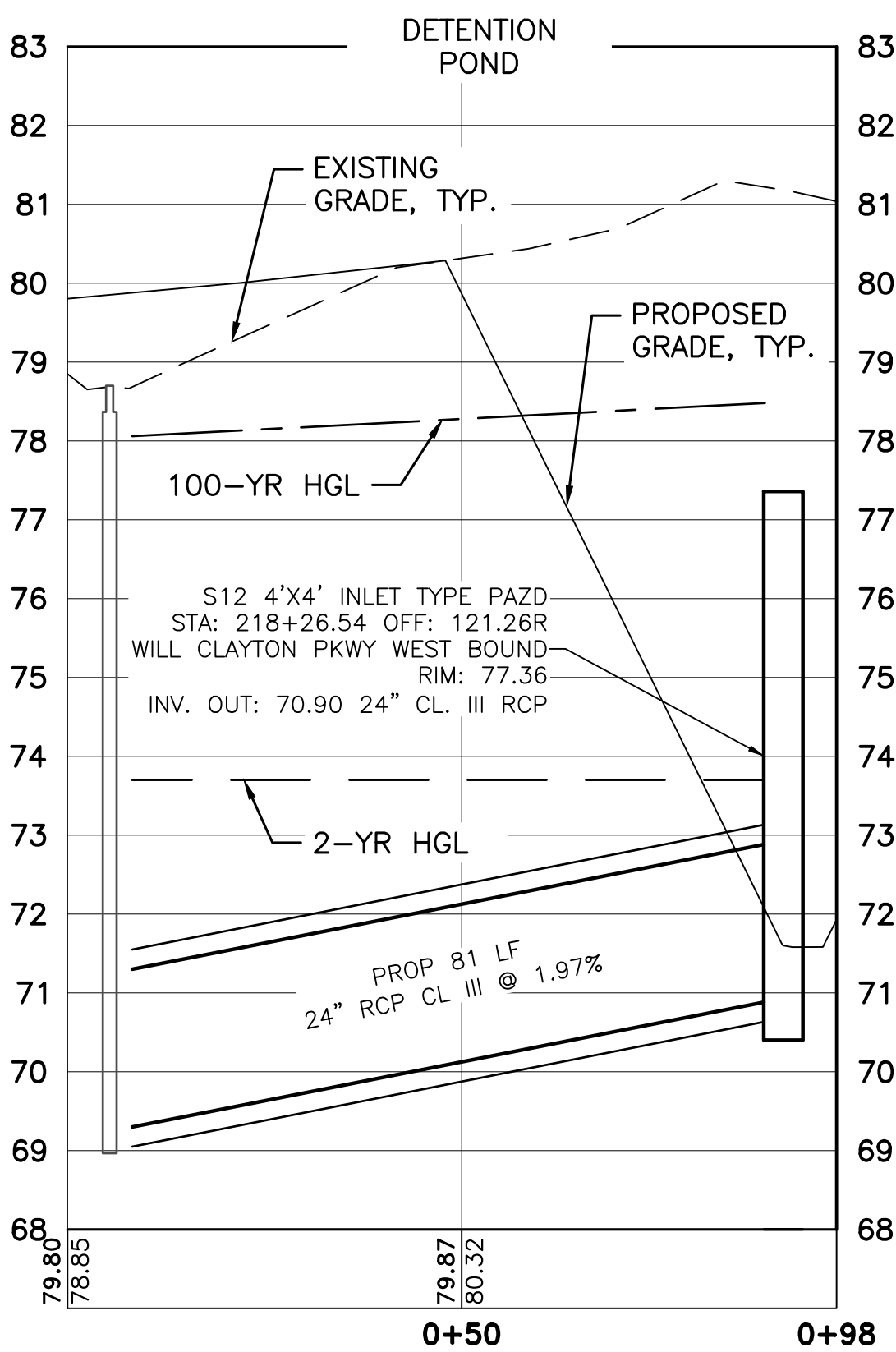


APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

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PLOT DATE: 2024-04-19

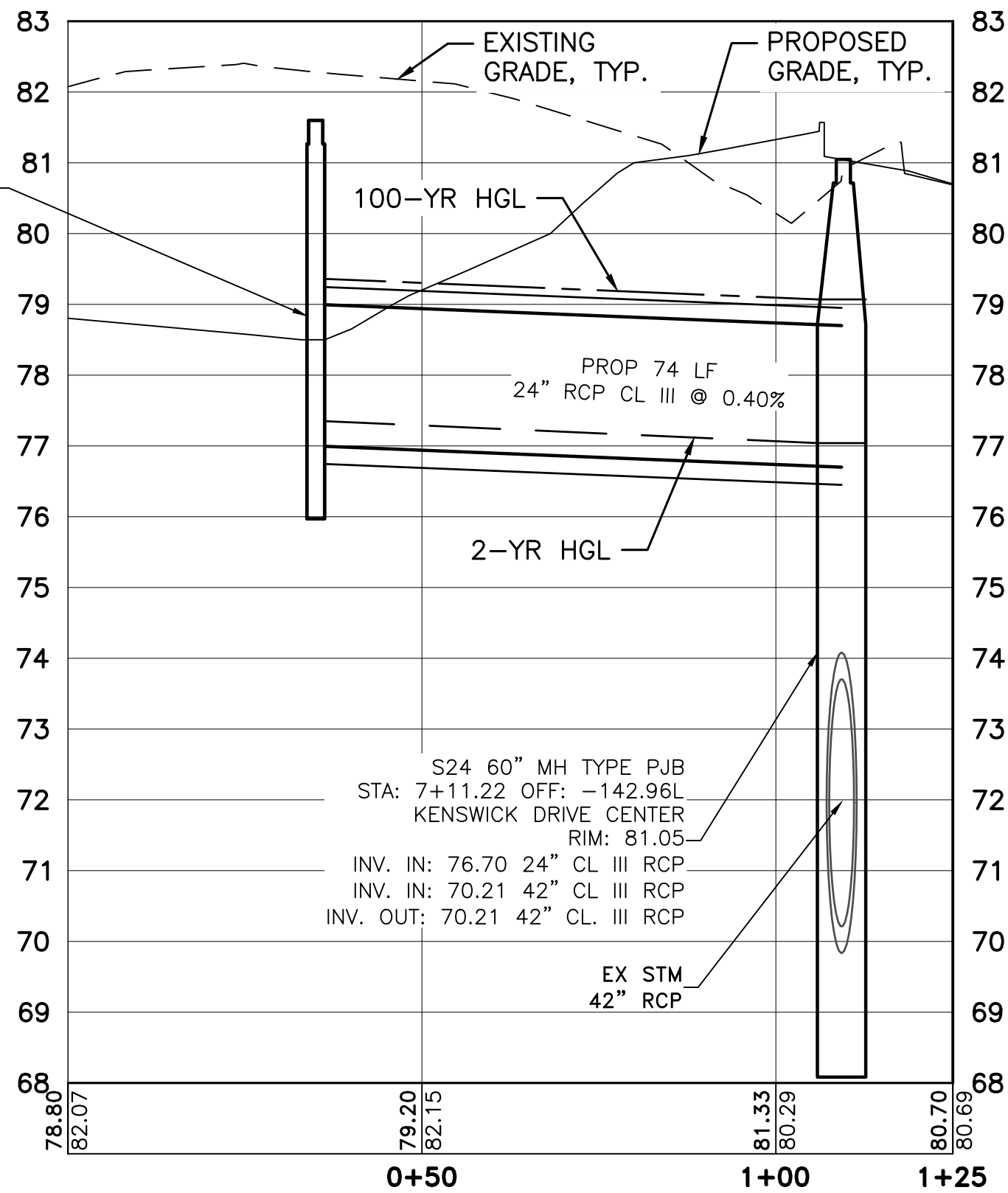


3 PIPE ALIGNMENT C - LEE ROAD ALIGNMENT
CD-202 SCALE: AS SHOWN

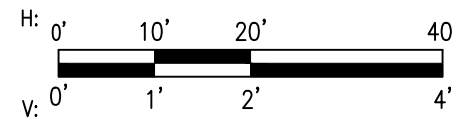


4 PIPE ALIGNMENT D - DETENTION POND OUTFALL
CD-202 SCALE: AS SHOWN

S20 4'x4' INLET TYPE PAZD
STA: 6+37.00 OFF: -146.36L
KENSWICK DRIVE CENTER
RIM: 81.60
INV. OUT: 77.00 24" CL. III RCP



5 PIPE ALIGNMENT F - WEST OF INTERSECTION
CD-202 SCALE: AS SHOWN



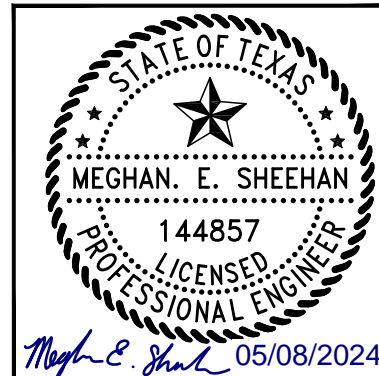
REVISIONS

NO.	DESCRIPTION	DATE	BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
STORM DRAIN PROFILES
ISSUED FOR PERMIT

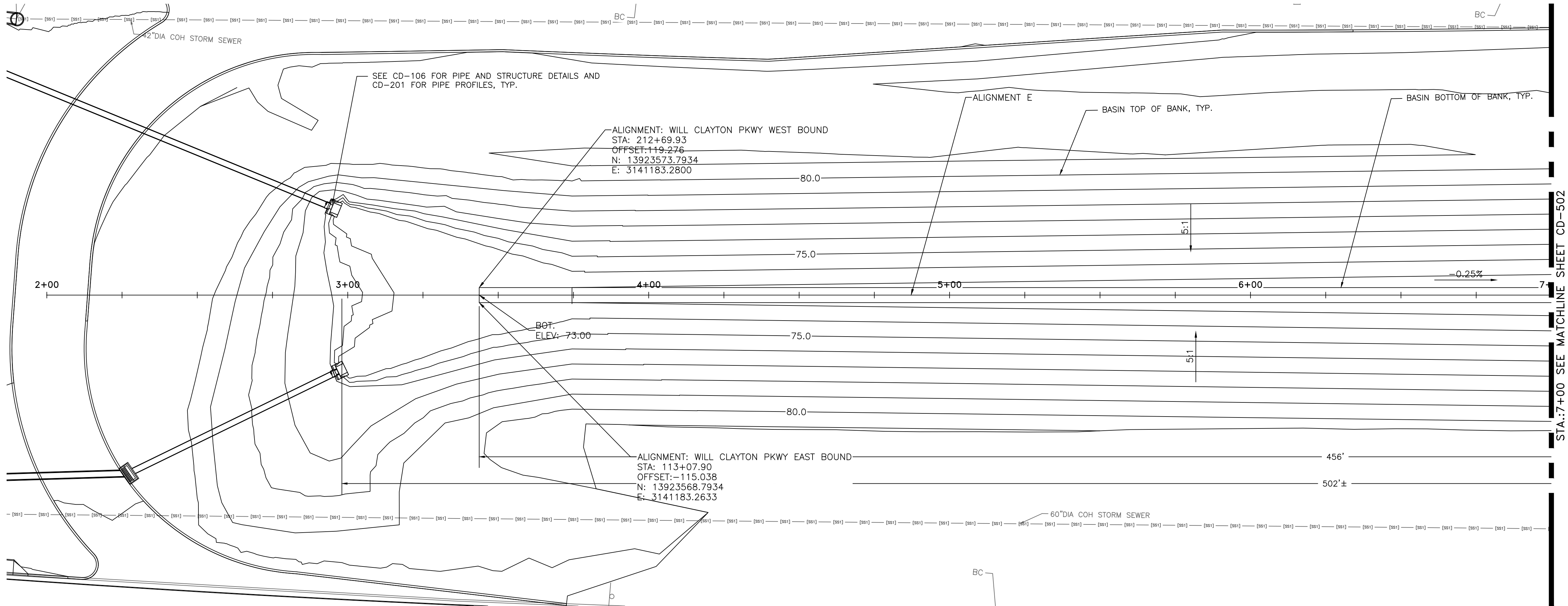
PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



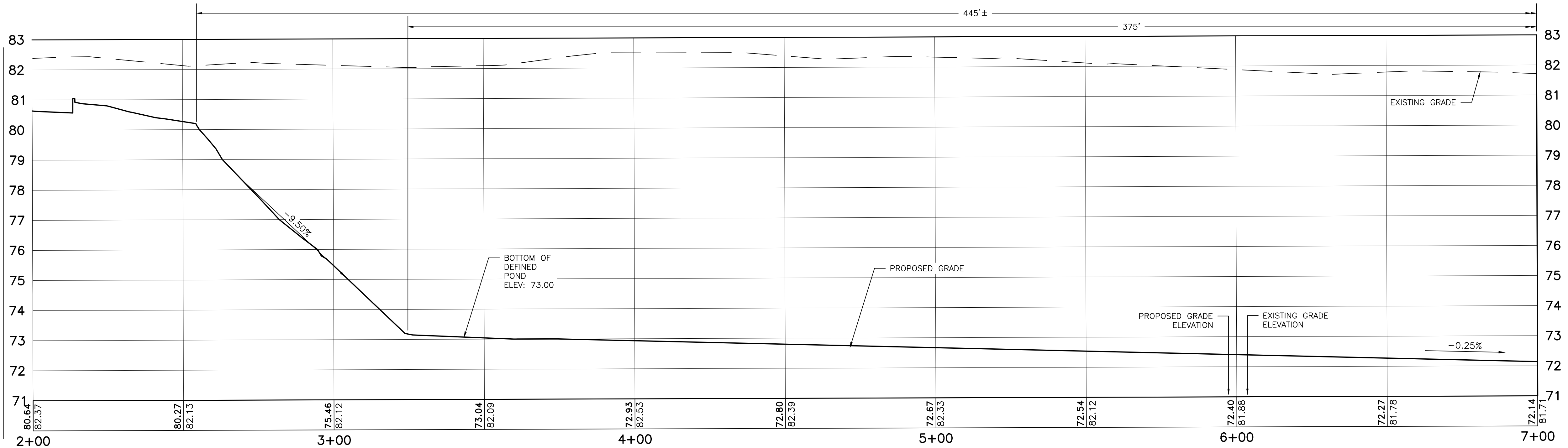
APPROVED BY:
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

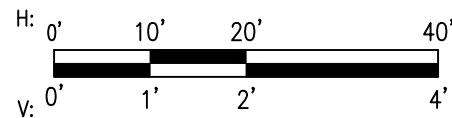
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PLOT DATE: 2024-04-19



1 DETENTION POND PLAN
CD-501 SCALE: 1"=20'



2 DETENTION POND PROFILE
CD-501 SCALE: 1"=2'-0"



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY,
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HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
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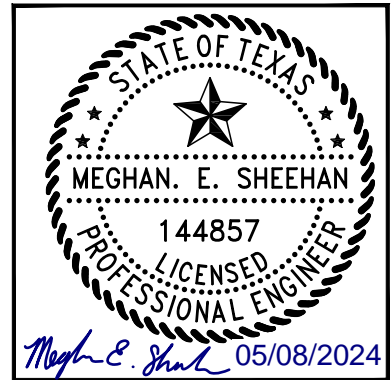
REVISIONS		
NO.	DESCRIPTION	DATE BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
DETENTION POND PLAN AND PROFILE

ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR	HOUSTON AIRPORT SYSTEM

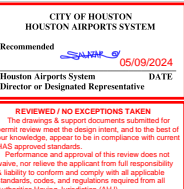
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

CD-501

LOCAL OFFICE:
20 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
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REVISIONS

NO.	DESCRIPTION	DATE	BY



KENSWICK DRIVE EXTENSION DETENTION POND PLAN AND PROFILE

ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY: _____

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. _____

100072032

A.I.P. NO. _____

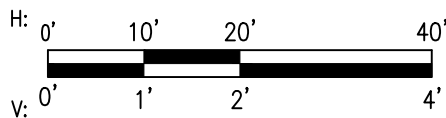
C.I.P. NO. _____

H.A.S. NO. _____

935

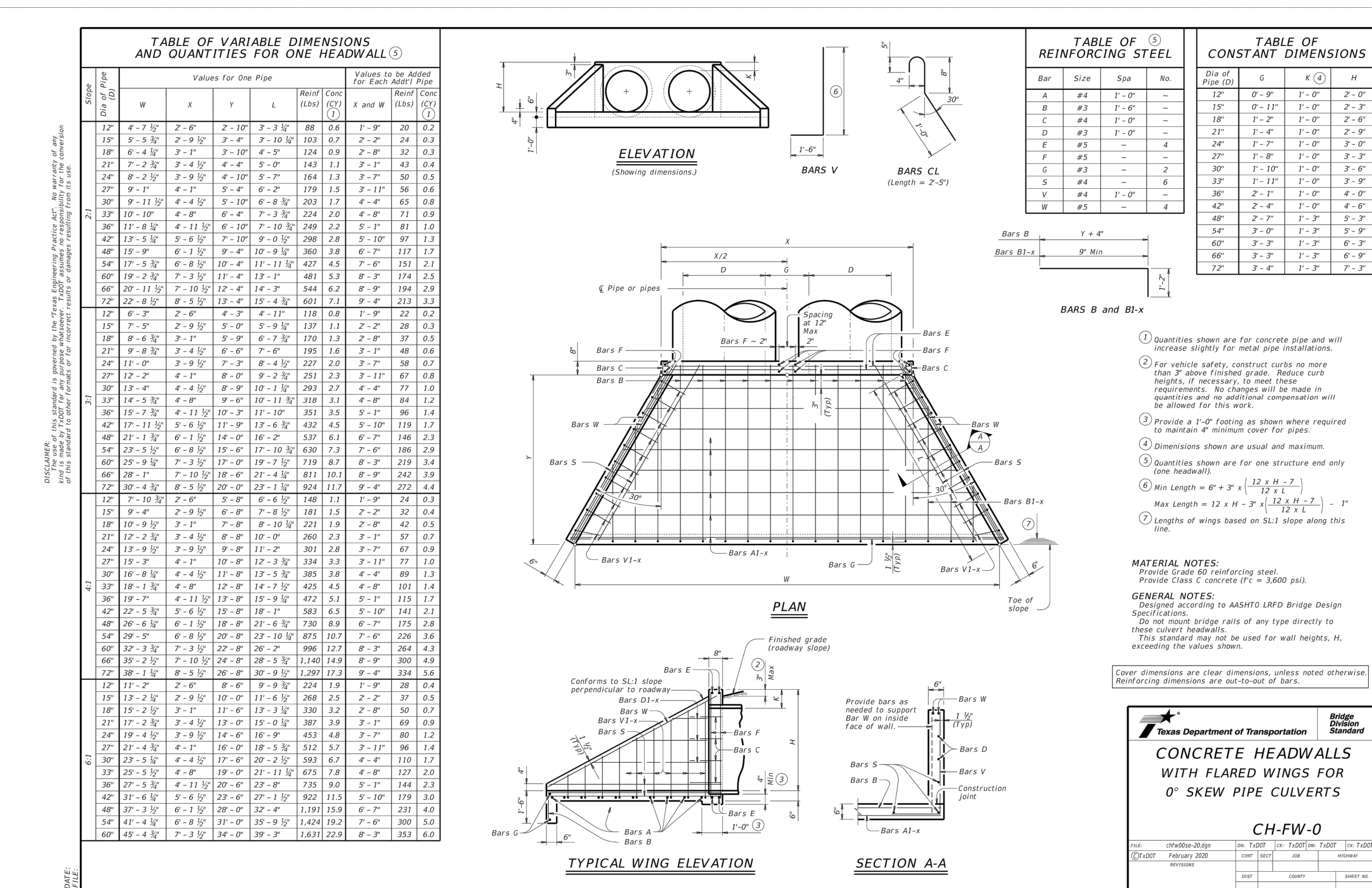
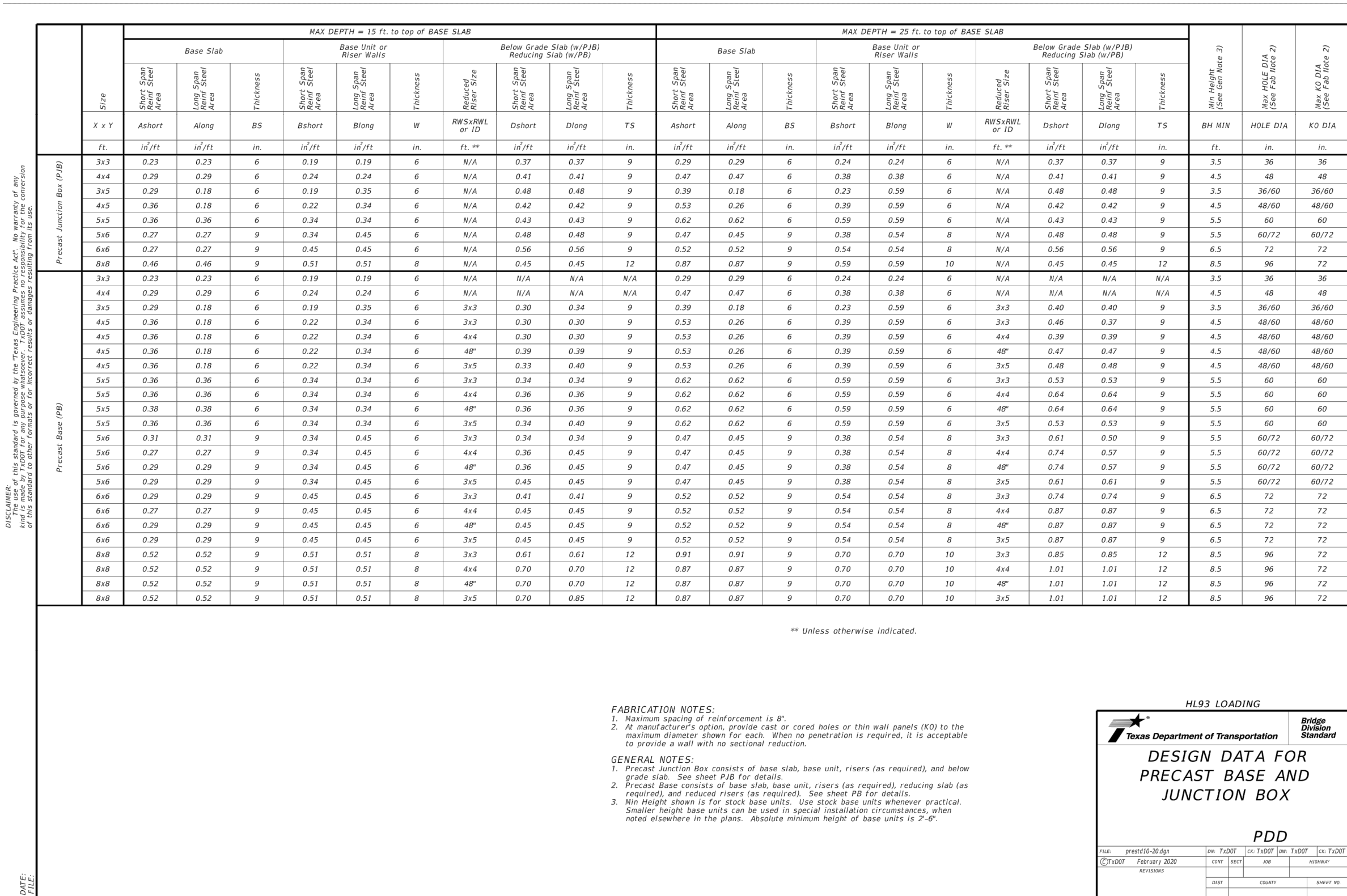
SHEET NO. _____

HAS FILE: C:\PW_WORK\ATKNTX01\WSATKINS_DOTR3544\DMS59378\I-0935-CD-501.DWG
PLOT DATE: 2024-04-19



1	DETENTION POND PLAN
CD-502	SCALE: AS SHOWN





REVISIONS			
NO.	DESCRIPTION	DATE	BY

<p>CITY OF HOUSTON HOUSTON AIRPORTS SYSTEM</p>	<p>CITY OF HOUSTON HOUSTON AIRPORTS SYSTEM</p>
<p>Recommended _____</p>	<p>05/09/2024</p>
<p>Director Airports System or Designated Representative</p>	<p>DATE</p>
<p>REVIEWED / NO EXCEPTIONS TAKEN</p> <p>The drawings & support documents submitted for permit review have been reviewed and approved on the basis of our knowledge, experience & compliance with current local, state & federal codes.</p> <p>Performance and approval of this review does not warrant, nor implies the applicant has no responsibilities & liability to conform and comply with all applicable standards, codes, and regulations pertaining from all authorities having jurisdiction (AHJ).</p>	

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION

DRAINAGE DETAILS

ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

MEGHAN. E. SHEEHAN
144857
LICENSED
PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. _____
100072032

A.I.P. NO. _____

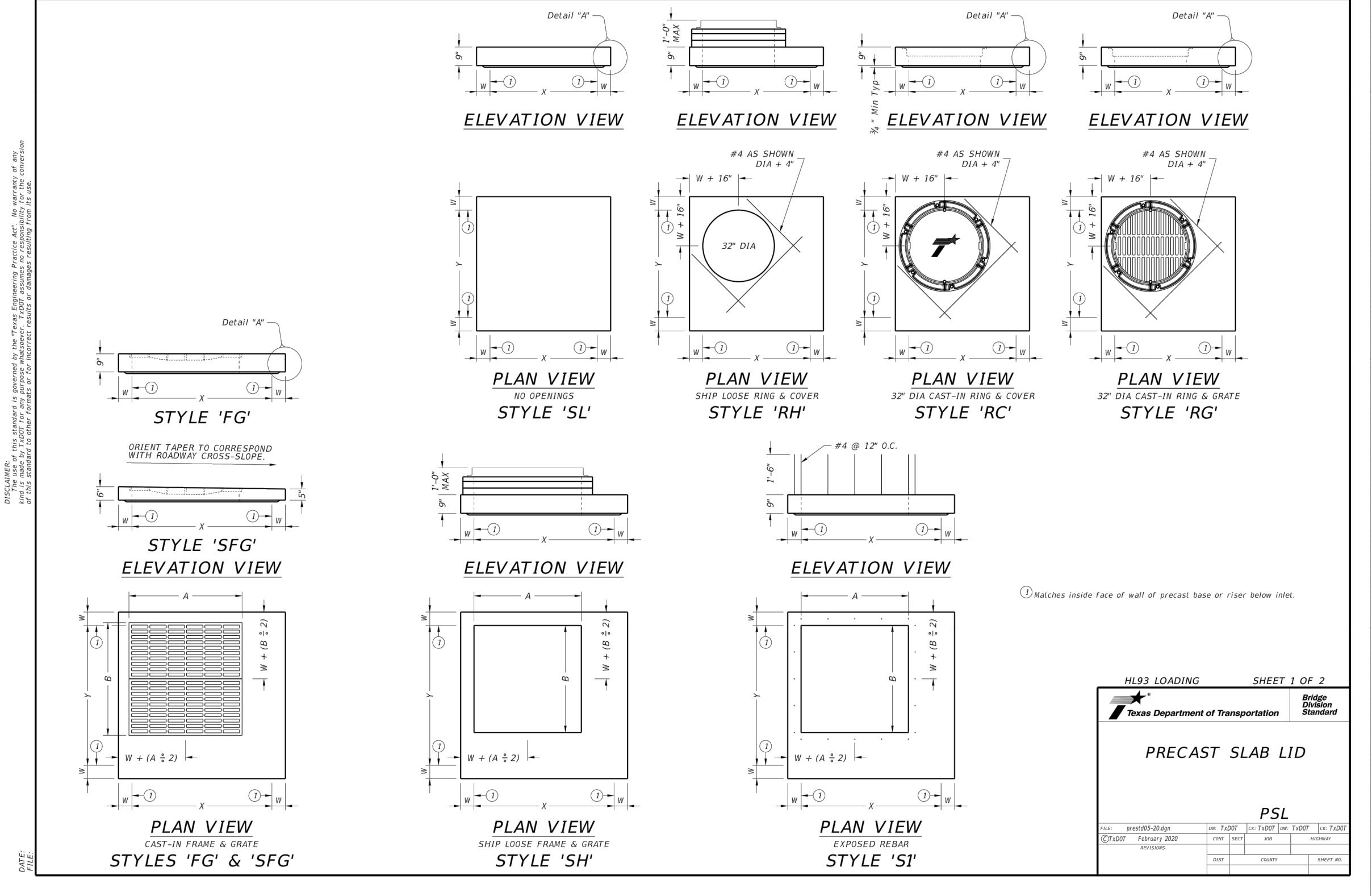
C.I.P. NO. _____

H.A.S. NO. _____
935

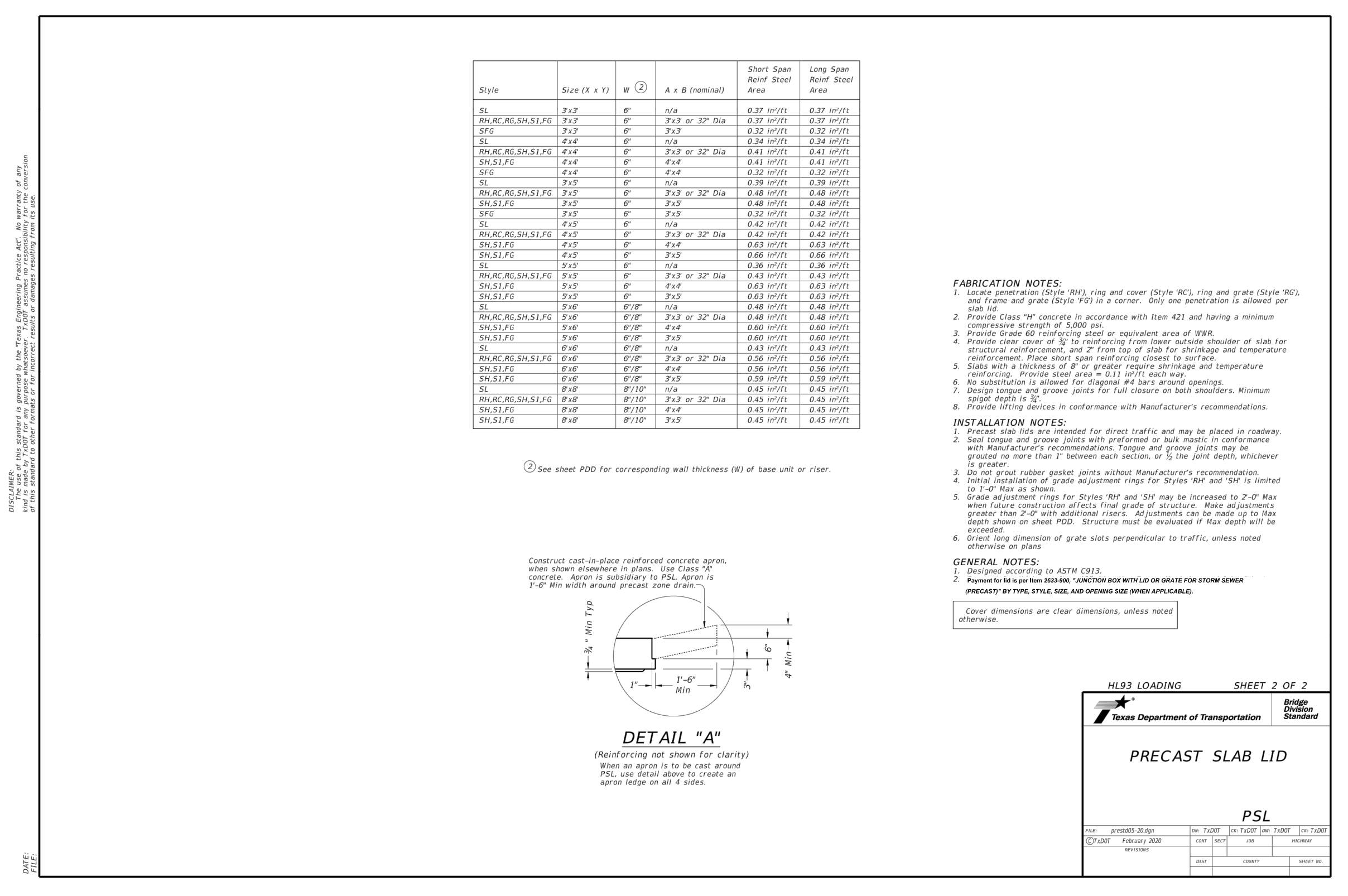
SHEET NO. _____

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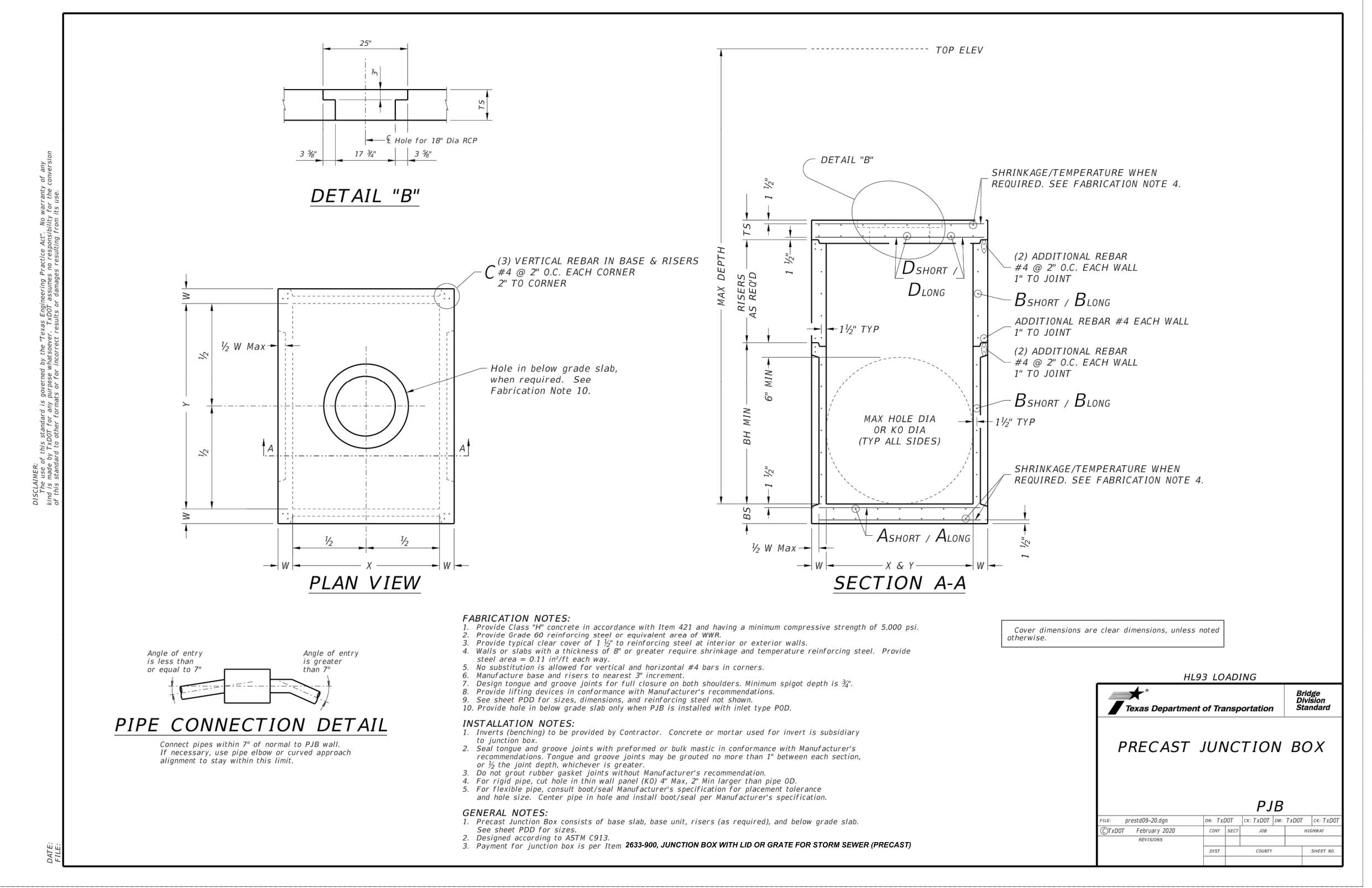
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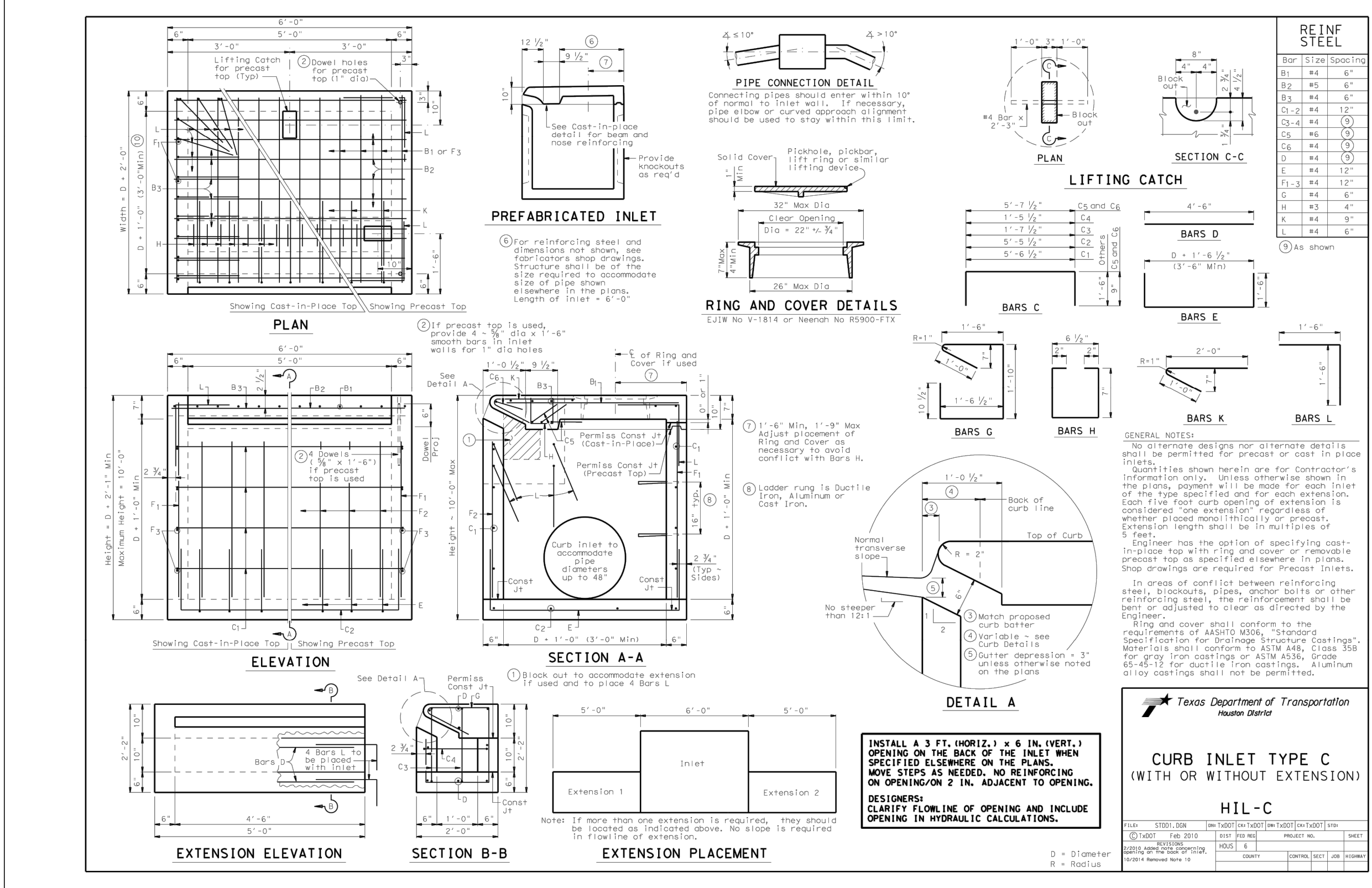
DATE: _____



DATE: _____



DATE: _____



DATE: _____

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY,
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HOUSTON, TX 77024
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ISSUED FOR PERMIT

PROJECT MGR: MES

DESIGNER: ALR

DRAWN BY: ALR

CHECK BY: PMW

SCALE:

DATE: 05/08/2024

MEGHAN E. SHEEHAN
144857
PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY:

PROJECT NO. 100072032

A.I.P. NO.

C.I.P. NO.

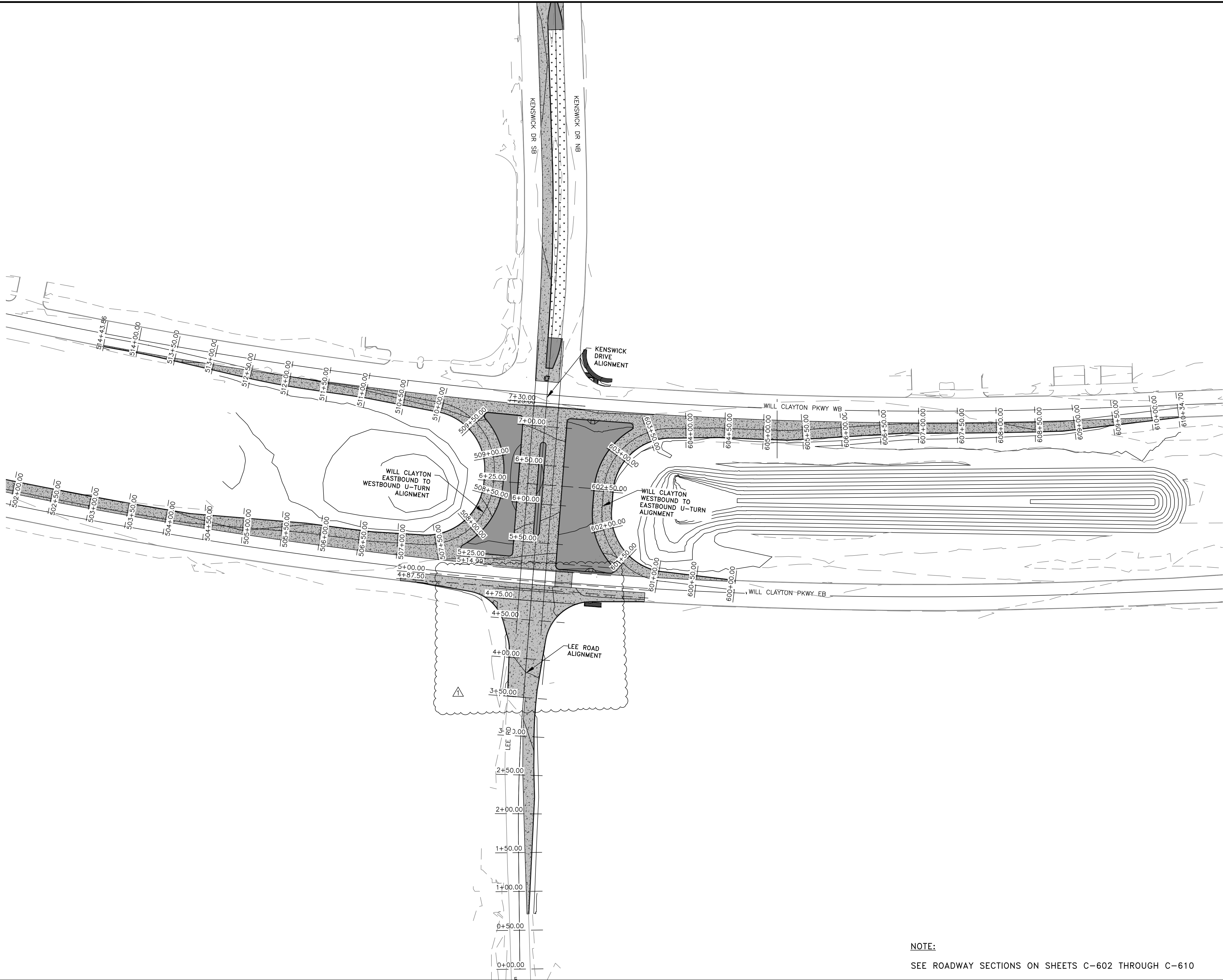
H.A.S. NO. 935

SHEET NO.

CD-552

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
DRAINAGE DETAILS**
ISSUED FOR PERMIT

HAS FILE:C:\PW_WORK\ATKINATX01\VSATKINS.DOTR3544\DWG59378\--0935-CD-600.DWG
PLOT DATE: 2024-04-19



NOTE:
SEE ROADWAY SECTIONS ON SHEETS C-602 THROUGH C-610



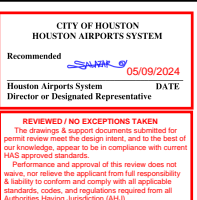


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT /
HOUSTON, TX

ATKINS

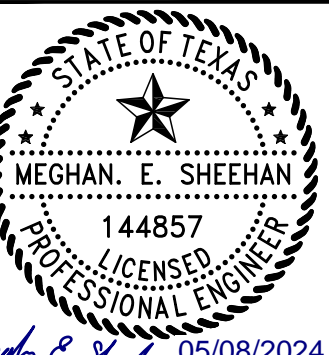
LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-9500
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AMERICA PE FIRM REG.
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REVISIONS		
NO.	DESCRIPTION	DATE BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
CROSS-SECTION LAYOUT PLAN
ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



APPROVED BY:

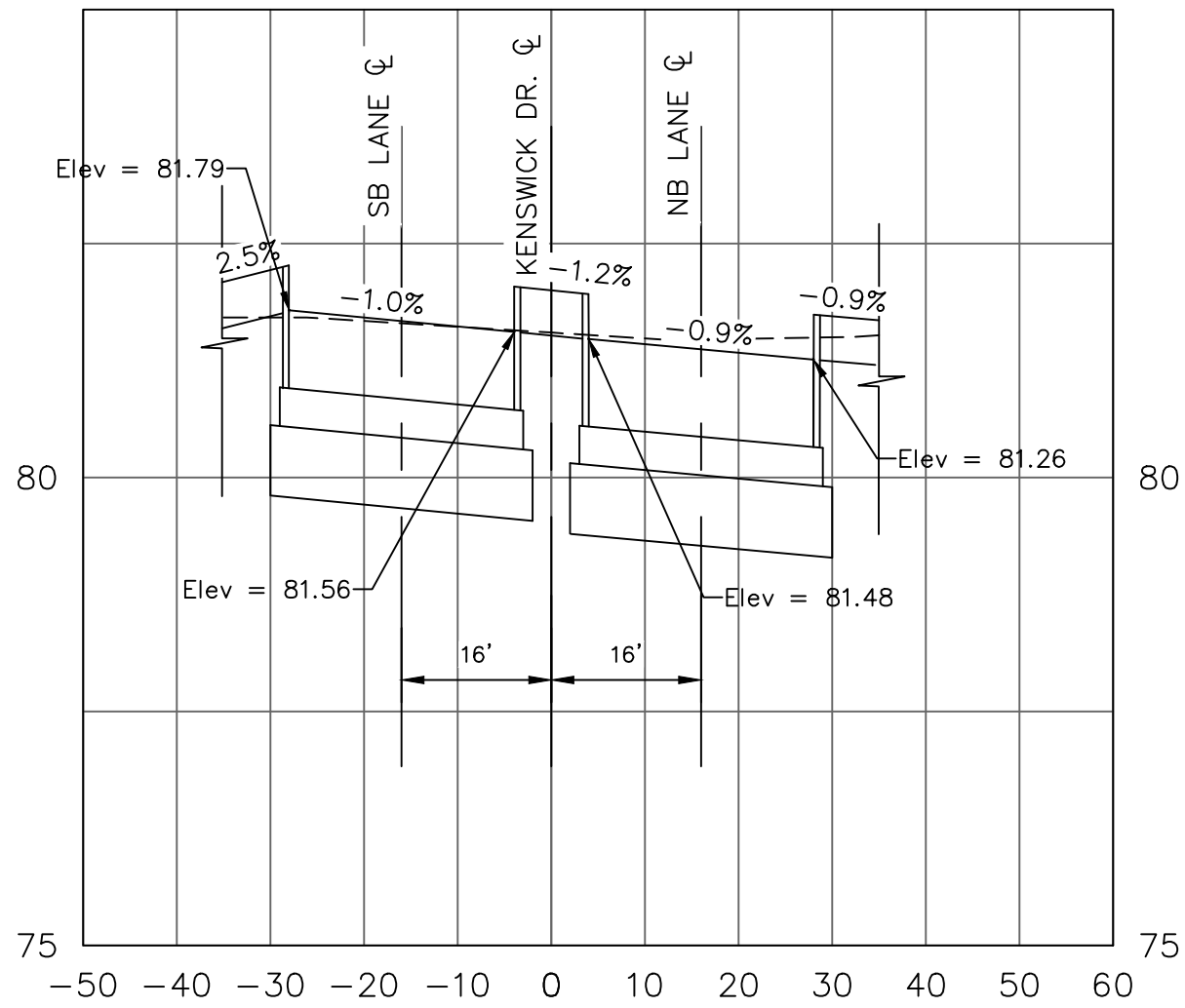
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.

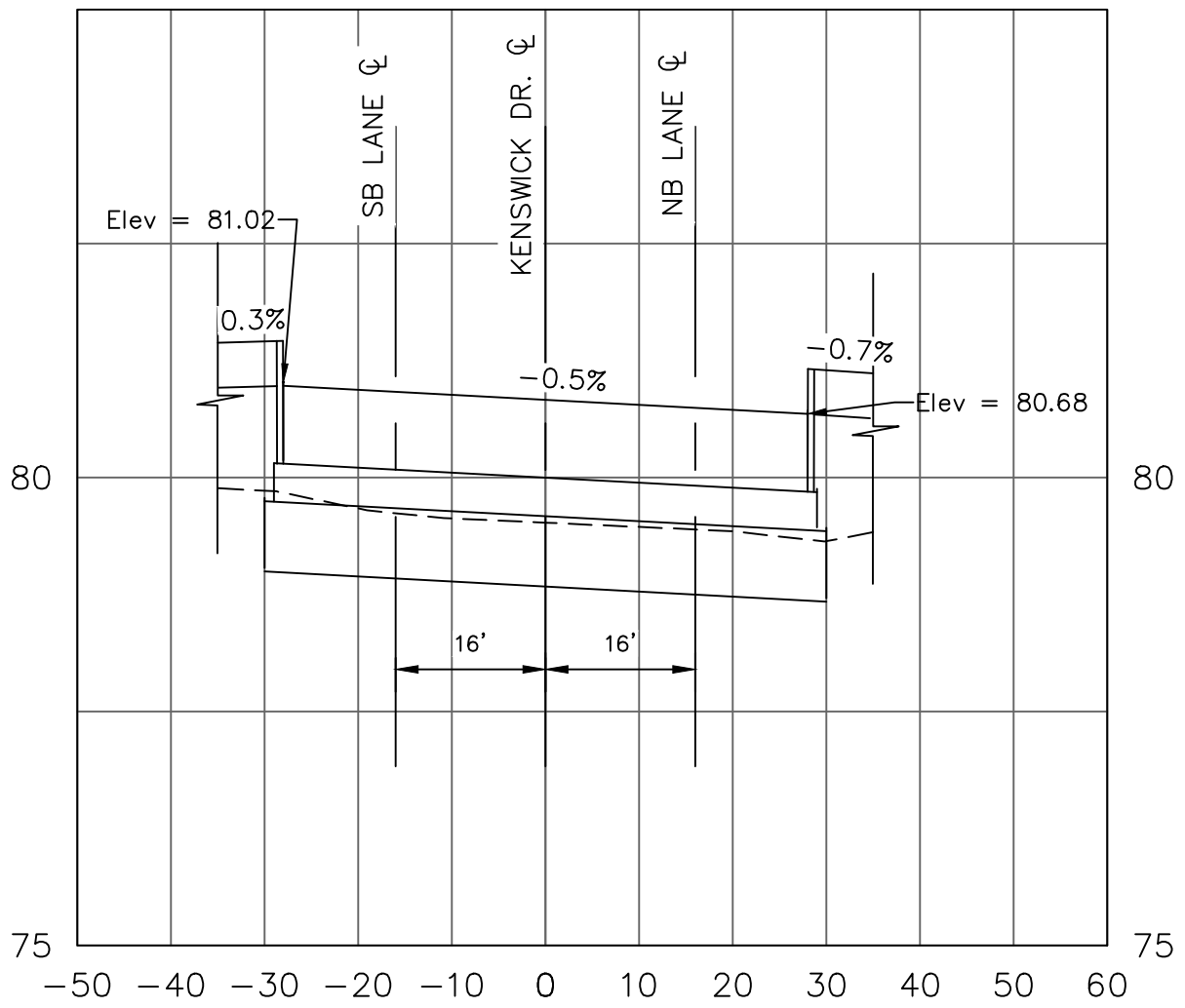
C.I.P. NO.

H.A.S. NO.
935
SHEET NO.

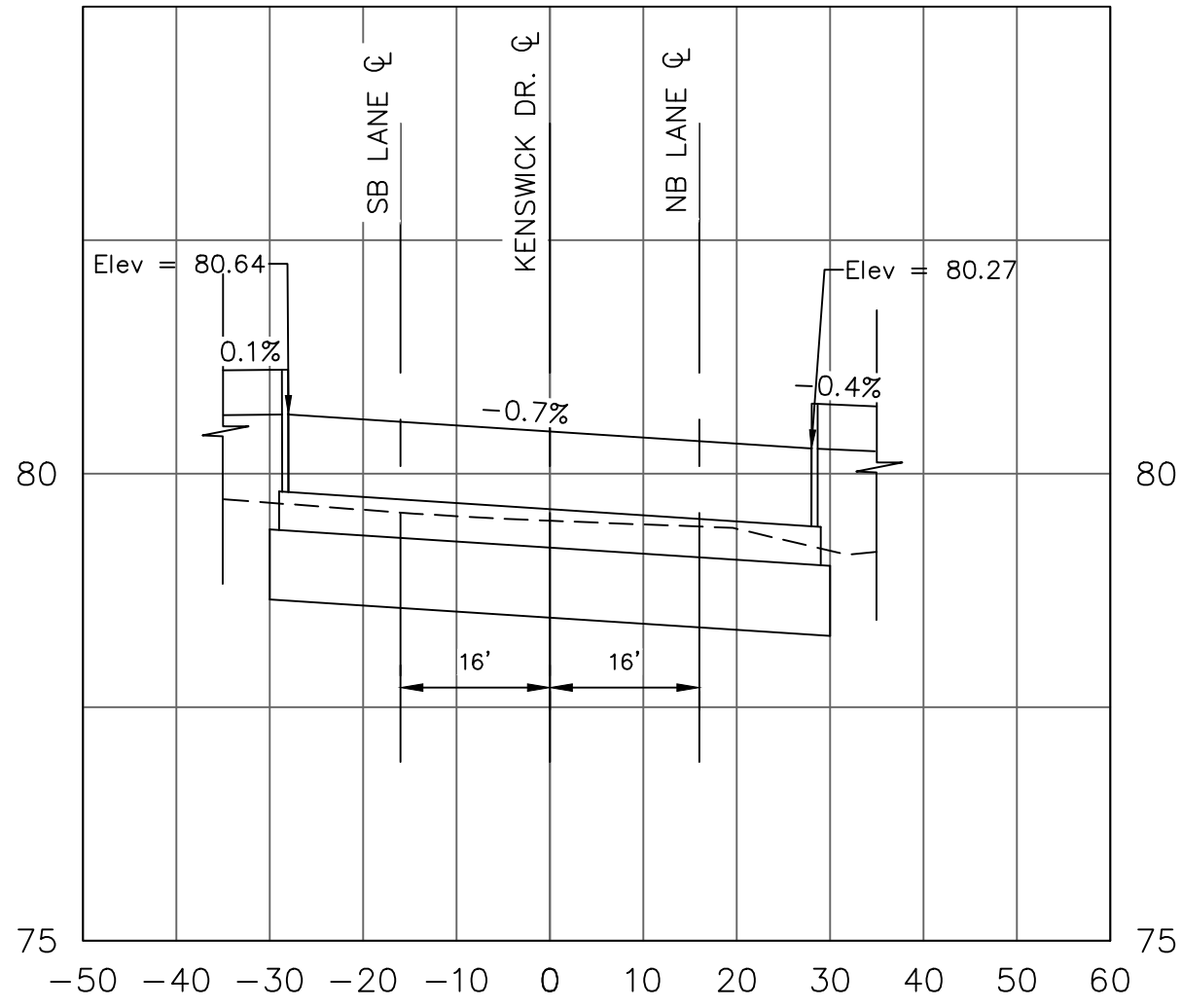
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PLOT DATE:2024-04-19



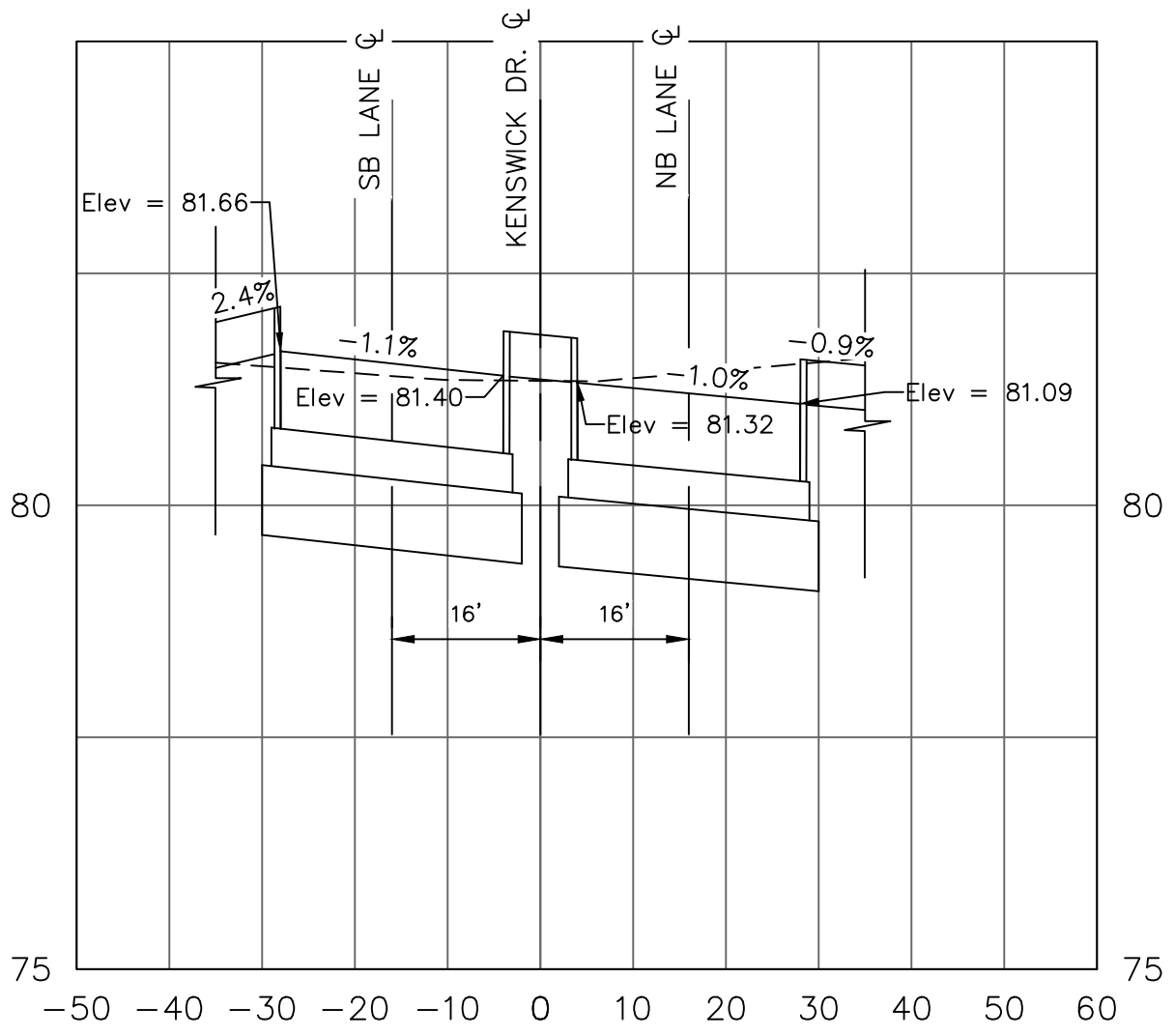
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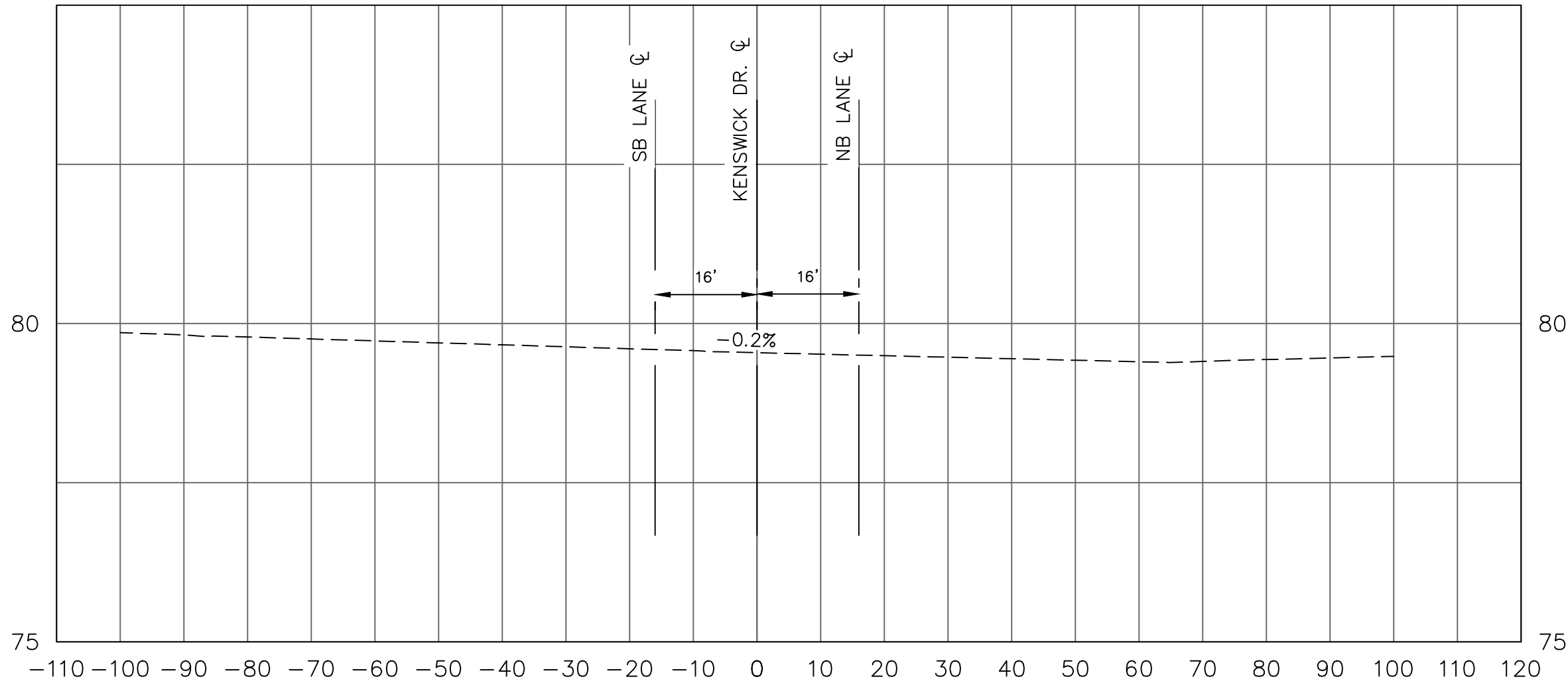
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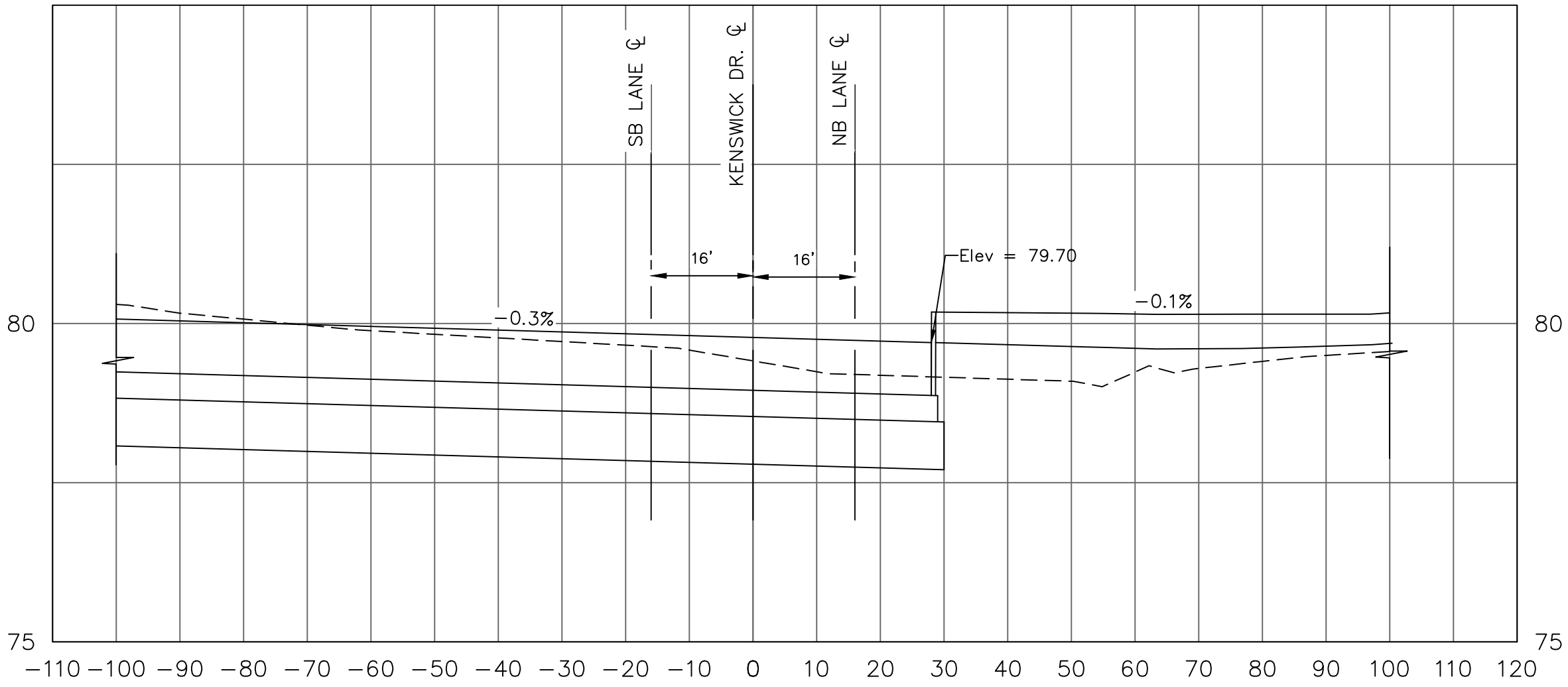
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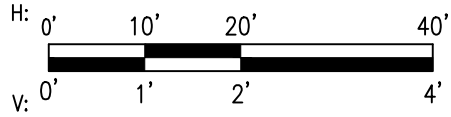
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STA. 5+15.00



STA. 5+25.00



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT /
HOUSTON, TX

ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
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REVISIONS

NO.	DESCRIPTION	DATE	BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
KENSWICK INTERSECTION SECTIONS

ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

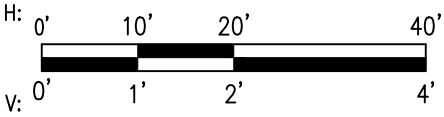


APPROVED BY:	
DIRECTOR	HOUSTON AIRPORT SYSTEM

PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

CD-602

HAS FILE:C:\PW_WORK\ATKIN\TX01\VSATKINS_LESL4438\DWG59378\1-0935-CD-601.DWG
PLOT DATE:2024-04-19

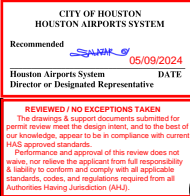


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT /
HOUSTON, TX

ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-9500
ATKINS NORTH
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REVISIONS			
NO.	DESCRIPTION	DATE	BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
KENSWICK INTERSECTION SECTIONS

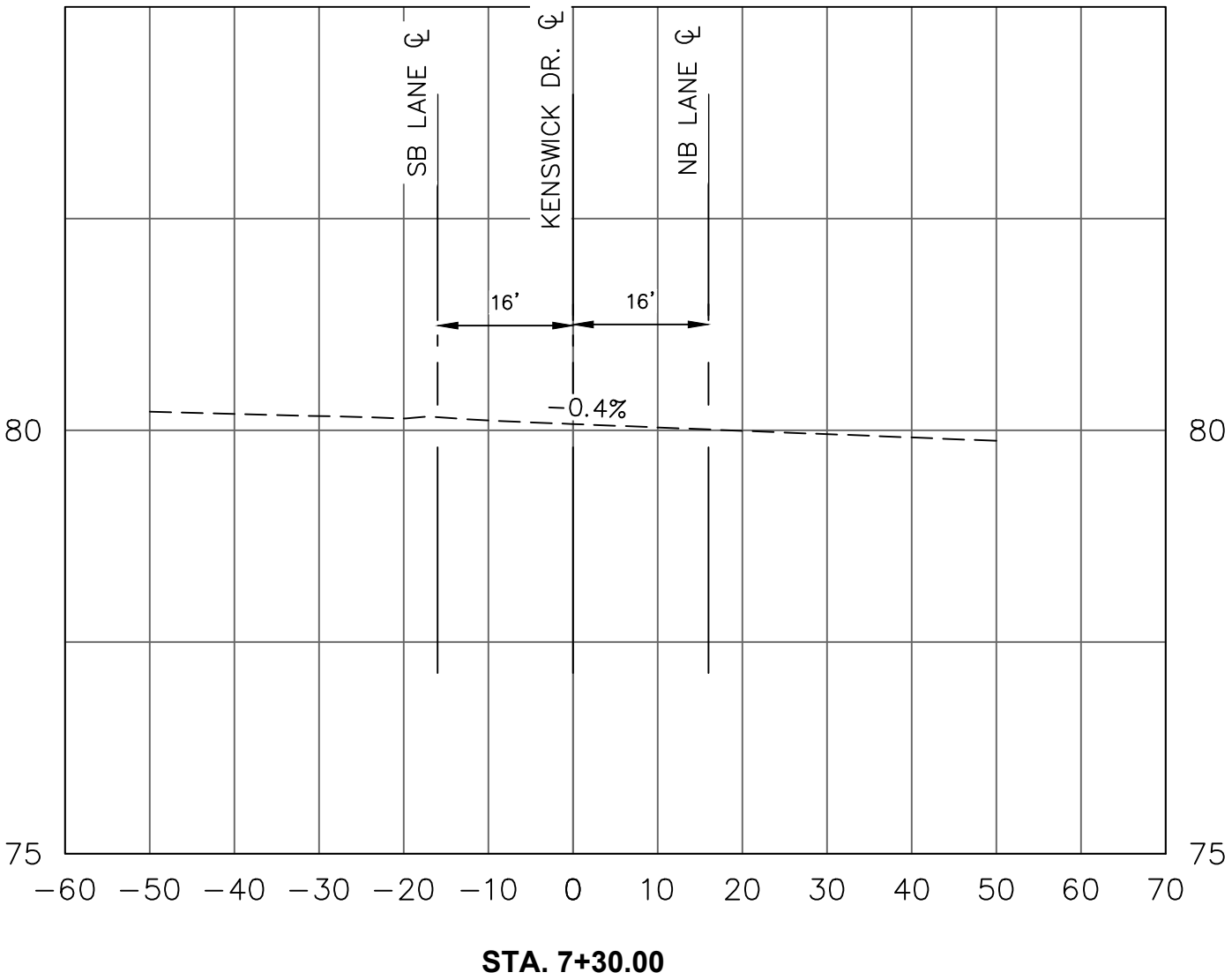
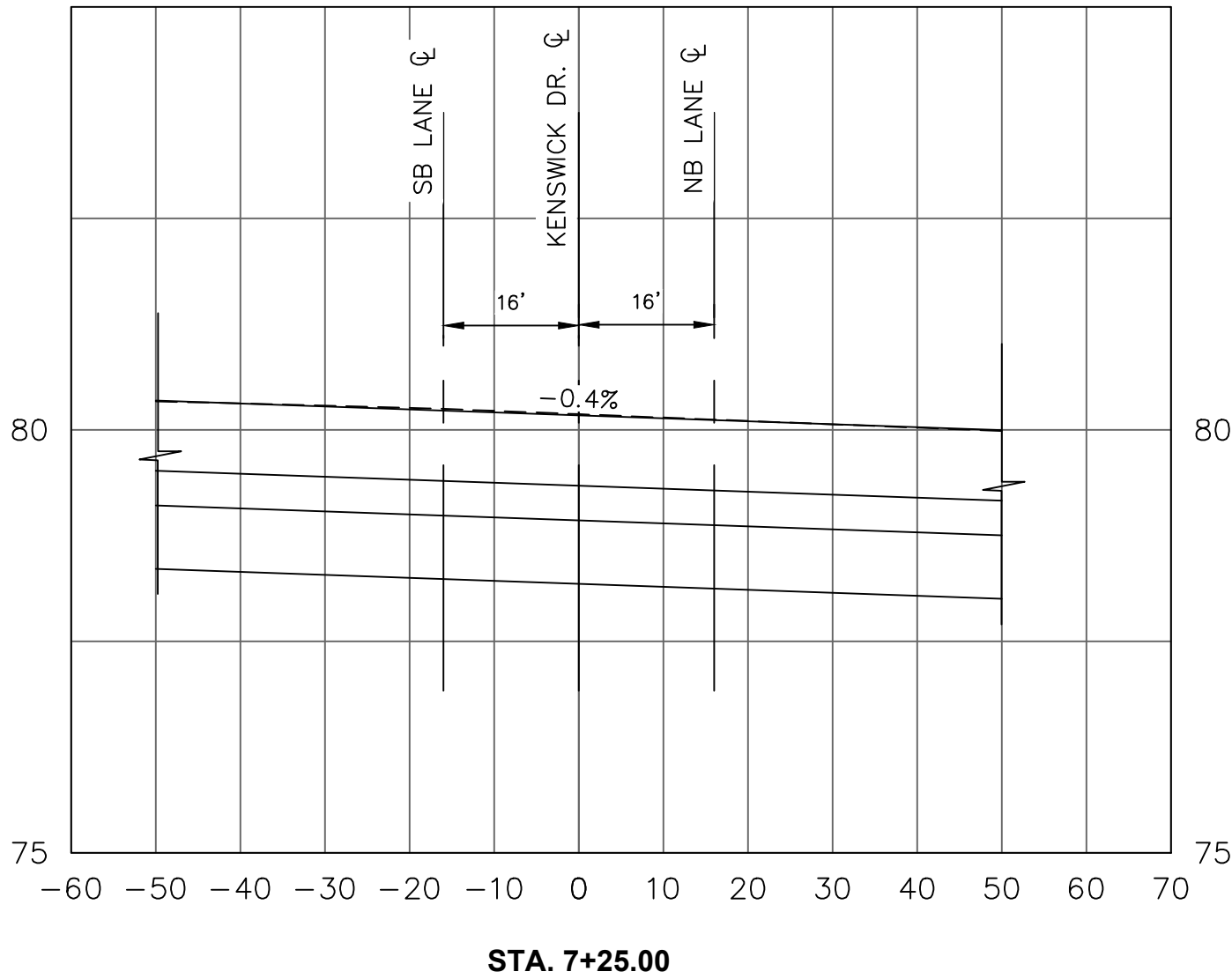
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

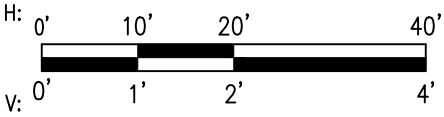


APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

CD-603



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PLOT DATE: 2024-04-19



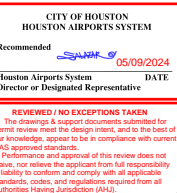
HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT /
HOUSTON, TX

ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-9500
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AMERICA PE FIRM REG.
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REVISIONS

NO.	DESCRIPTION	DATE	BY
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
KENSWICK FULL SECTION SECTIONS

ISSUED FOR PERMIT

PROJECT MGR: MES

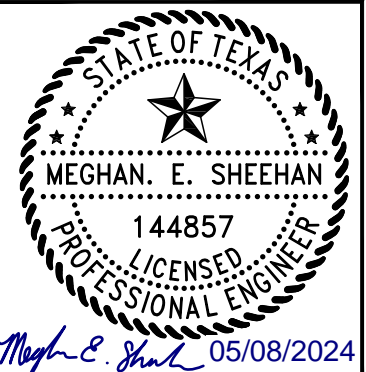
DESIGNER: ALR

DRAWN BY: ALR

CHECK BY: PMW

SCALE:

DATE: 05/08/2024



APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.

100072032

A.I.P. NO.

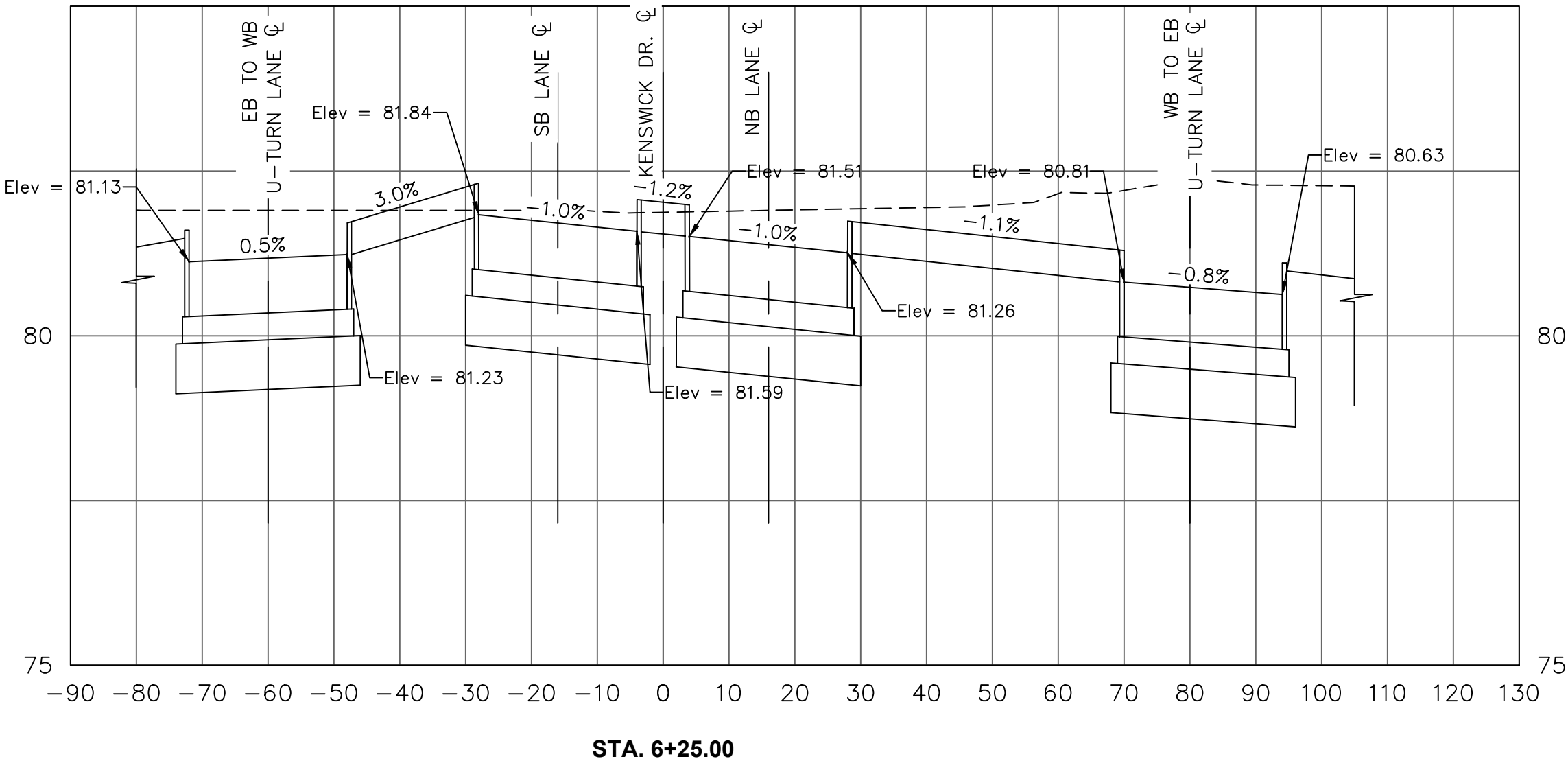
C.I.P. NO.

H.A.S. NO.

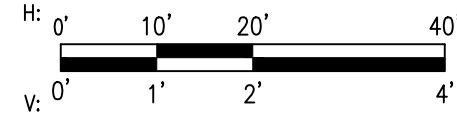
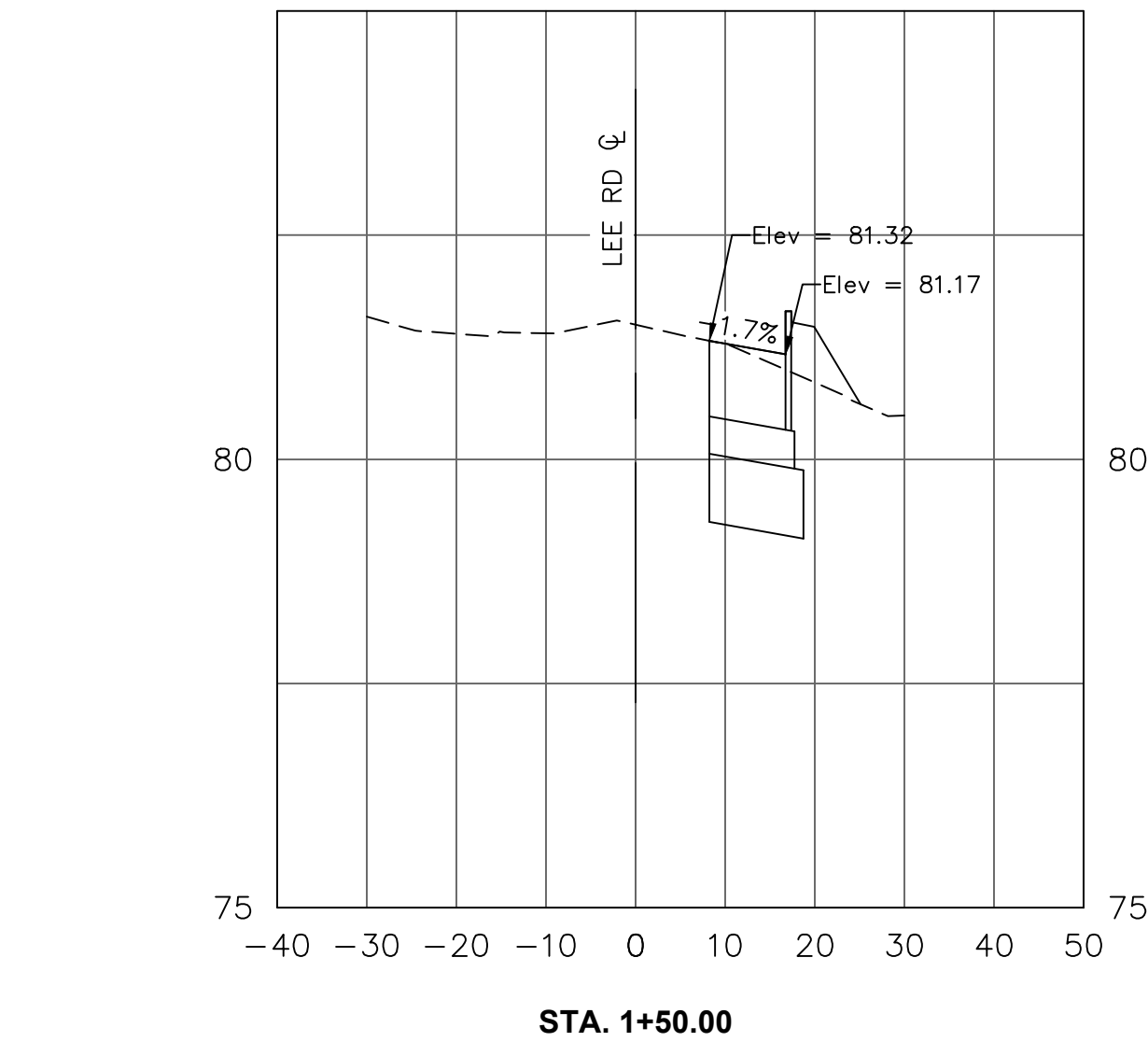
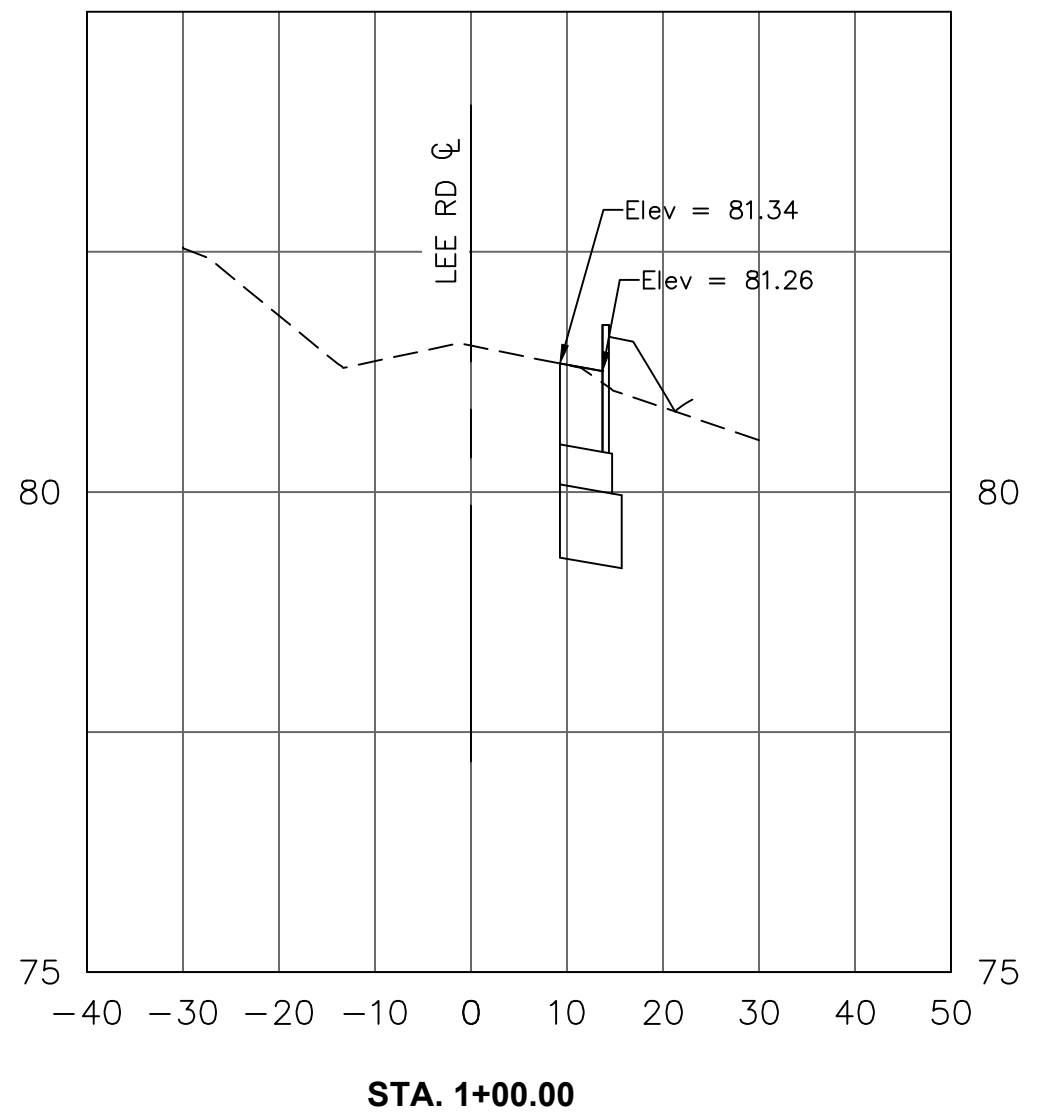
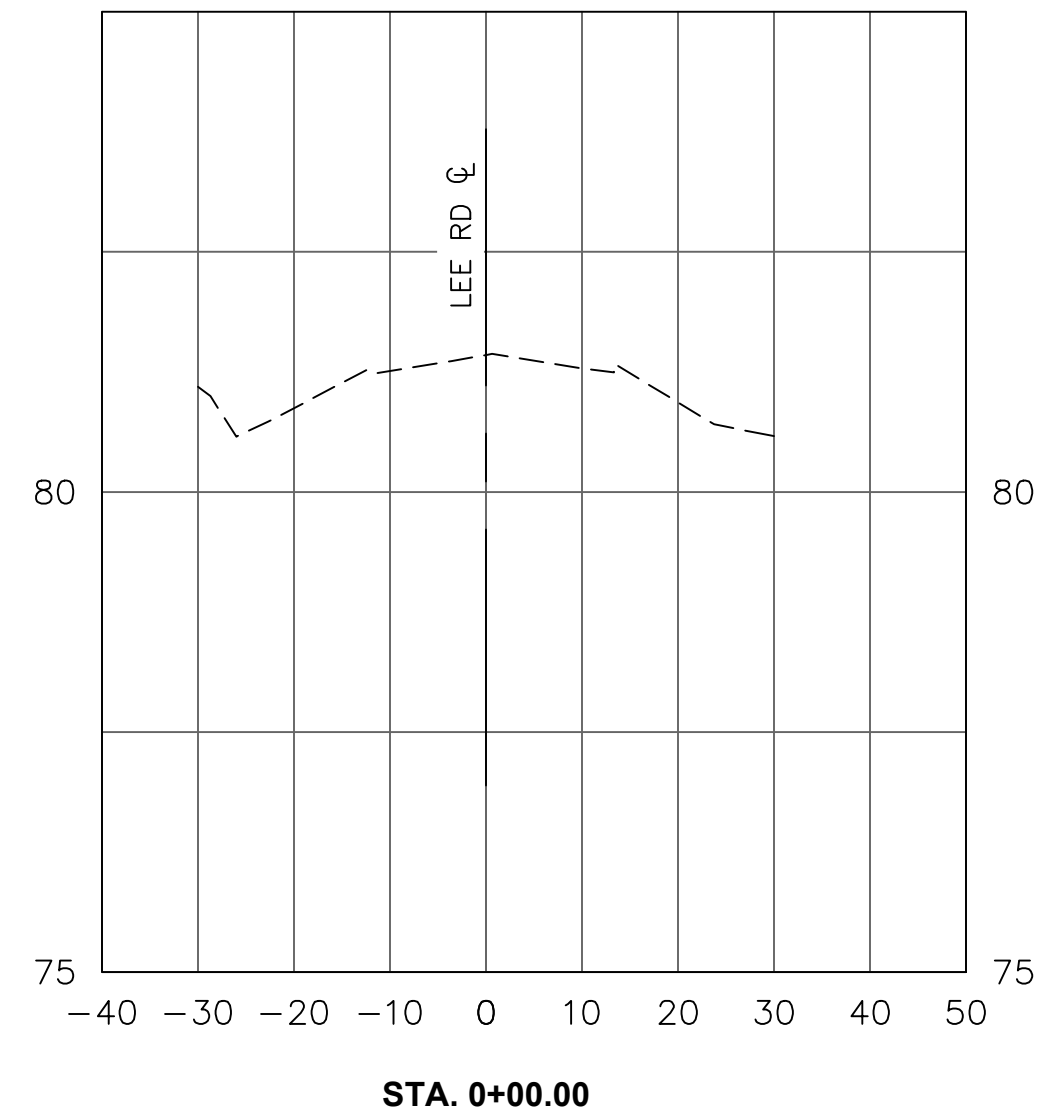
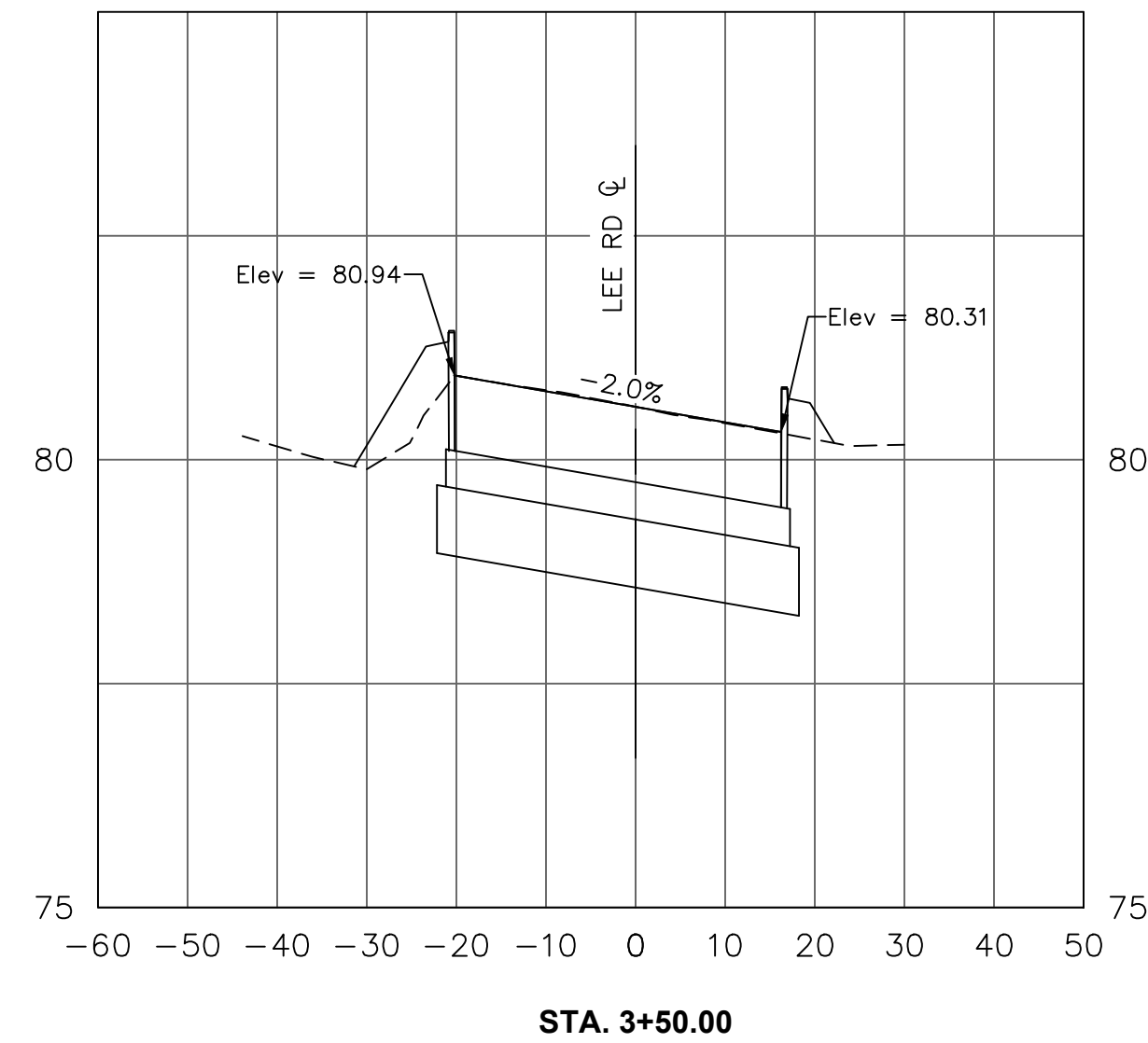
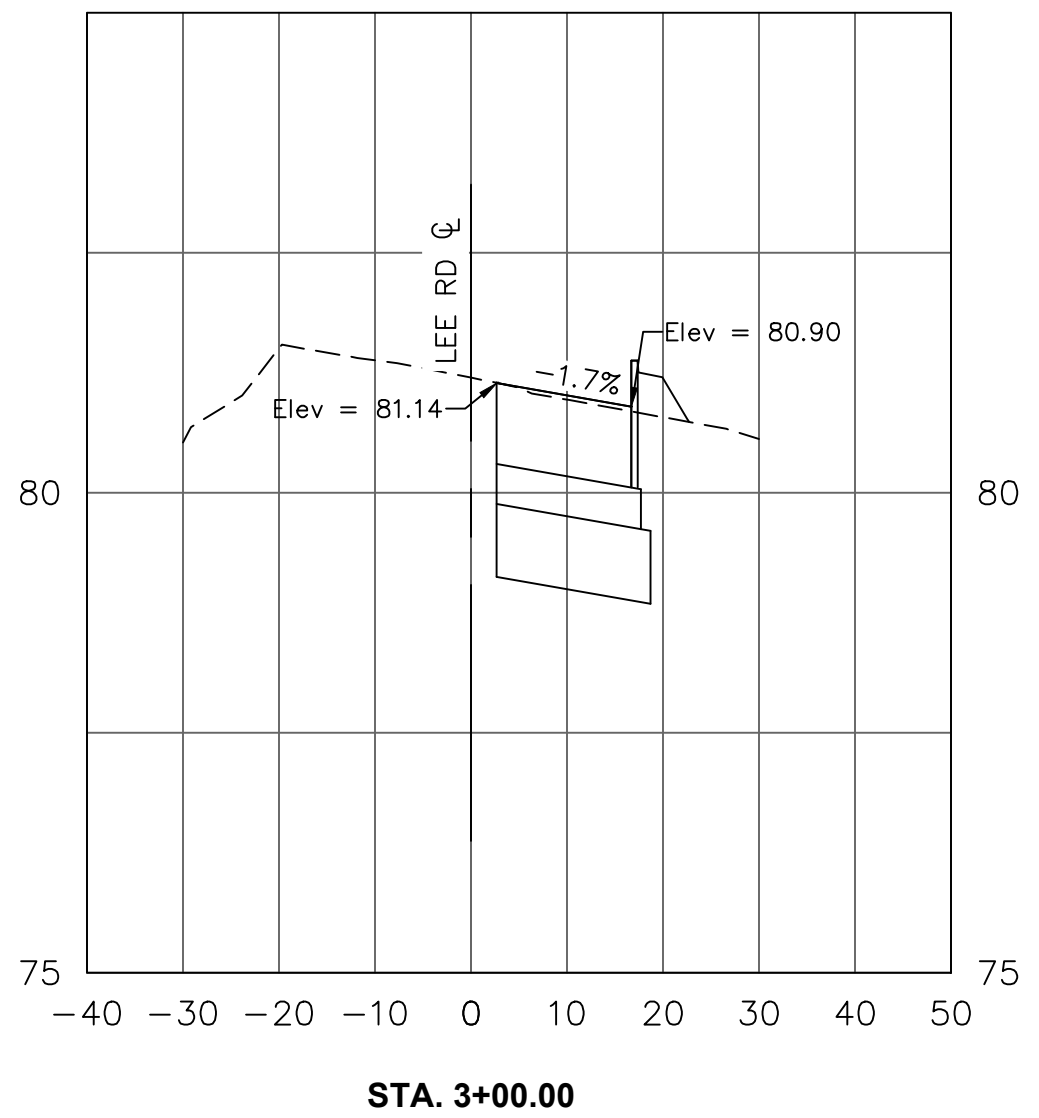
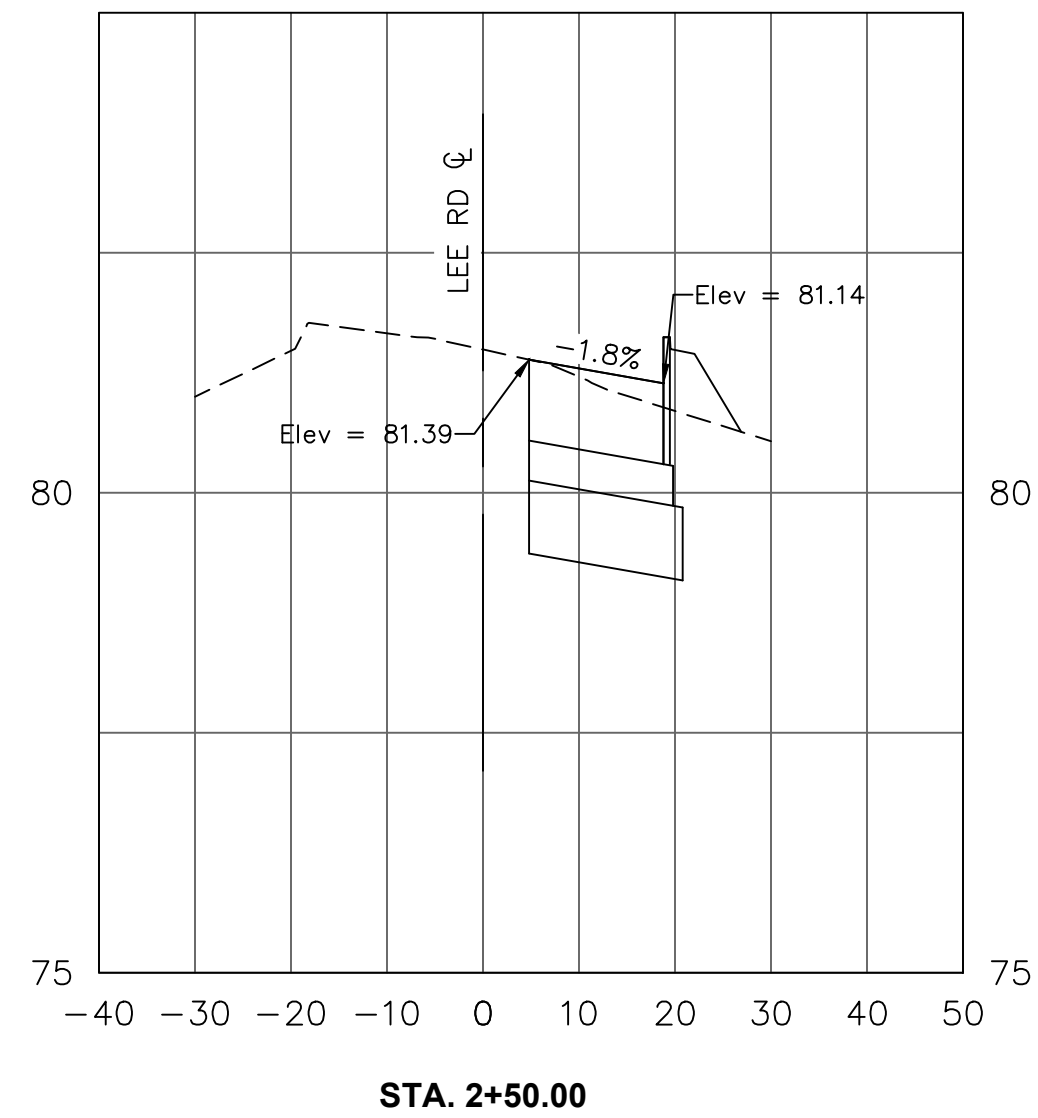
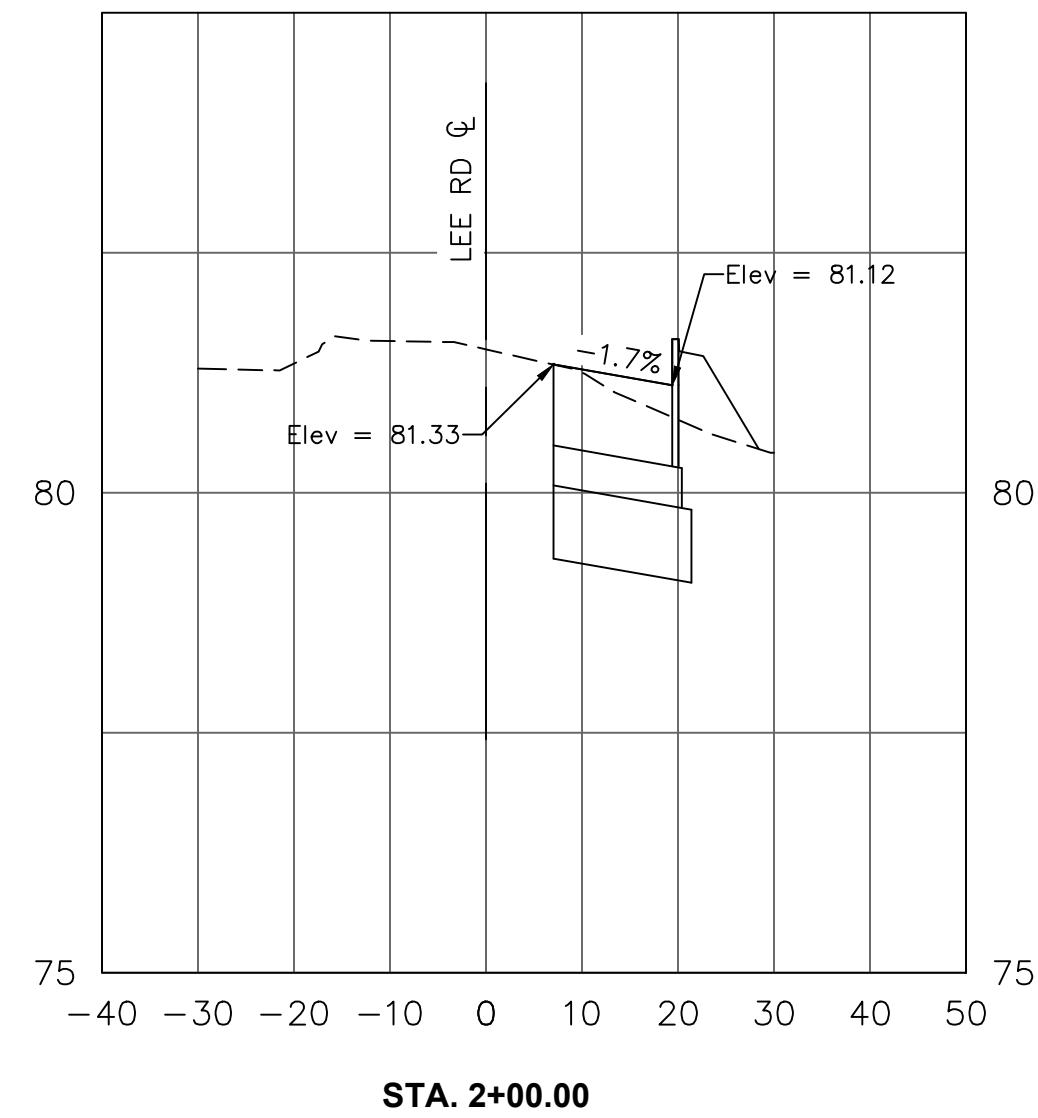
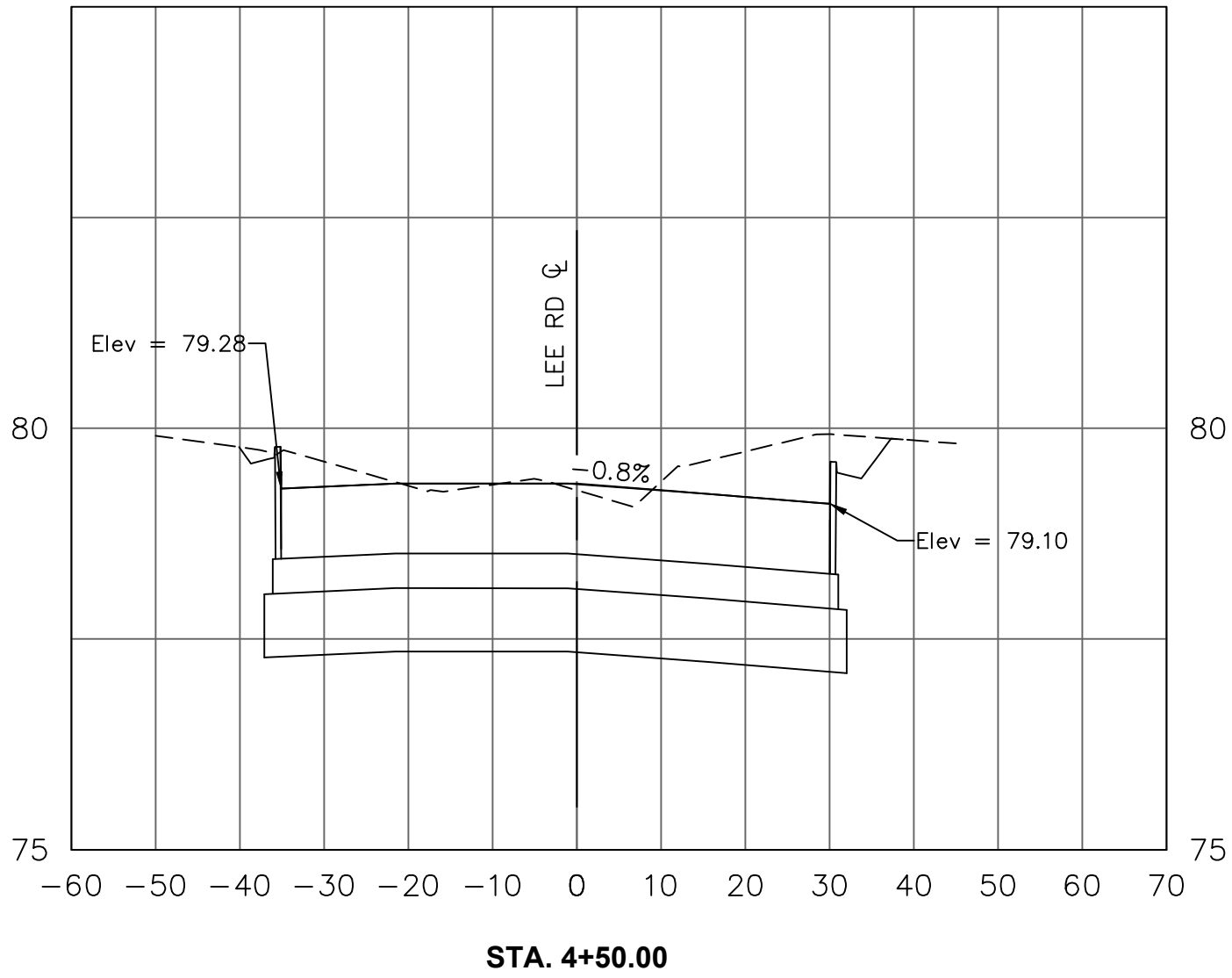
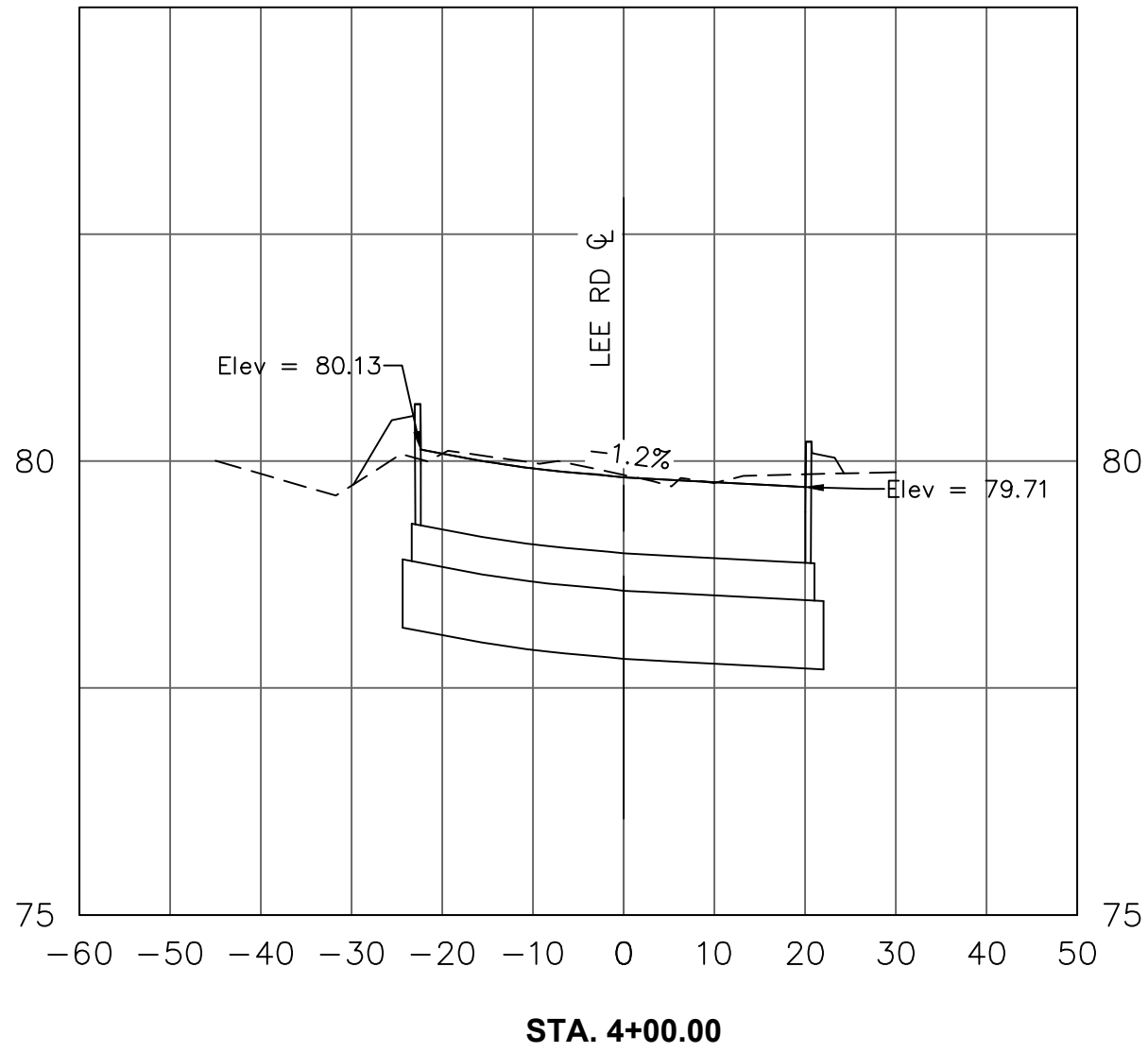
935

SHEET NO.

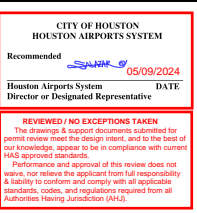
CD-604



HAS FILE:C:\PW_WORK\ATKIN\TX01\VSATKINS_LESL4438\DWG59378\1-0935-CD-601.DWG
PLOT DATE:2024-04-19

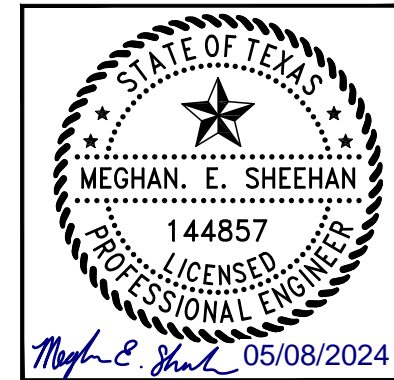


REVISIONS		
NO.	DESCRIPTION	DATE BY



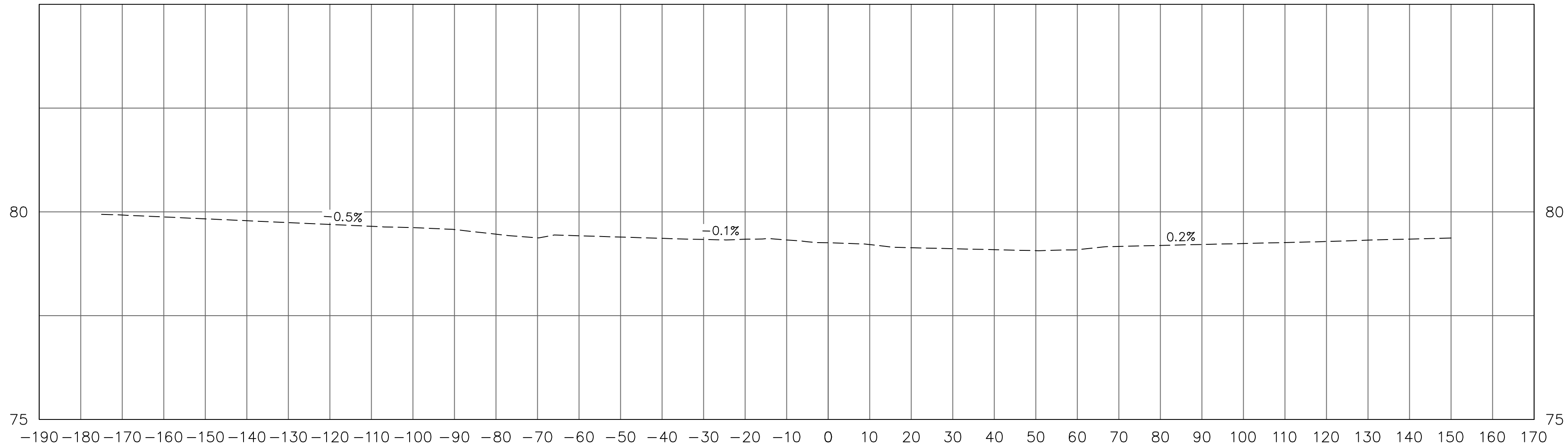
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
LEE ROAD SECTIONS
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

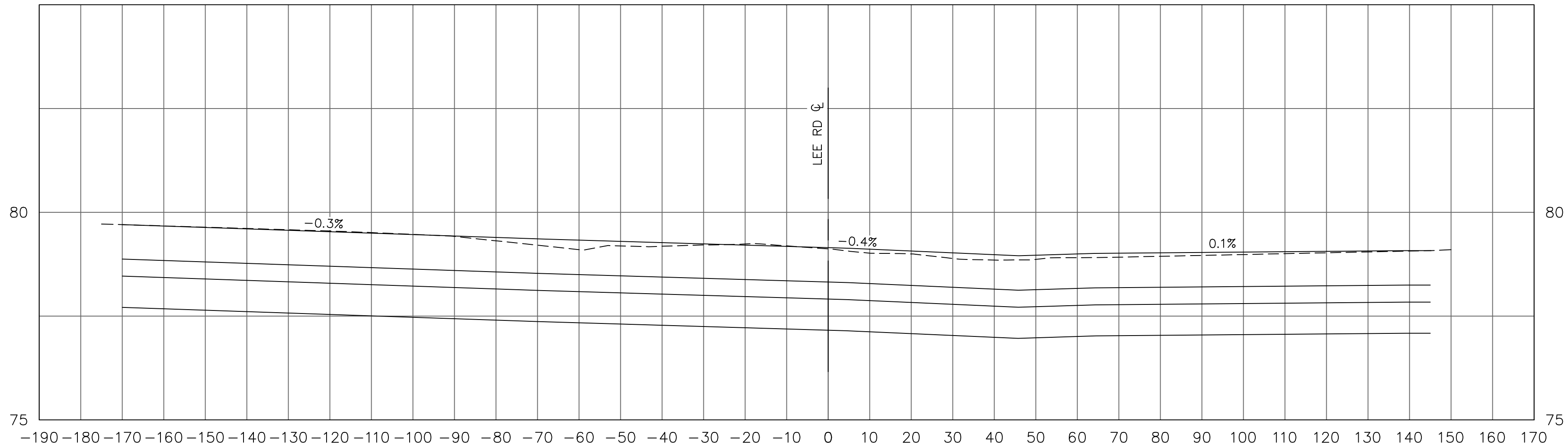


APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

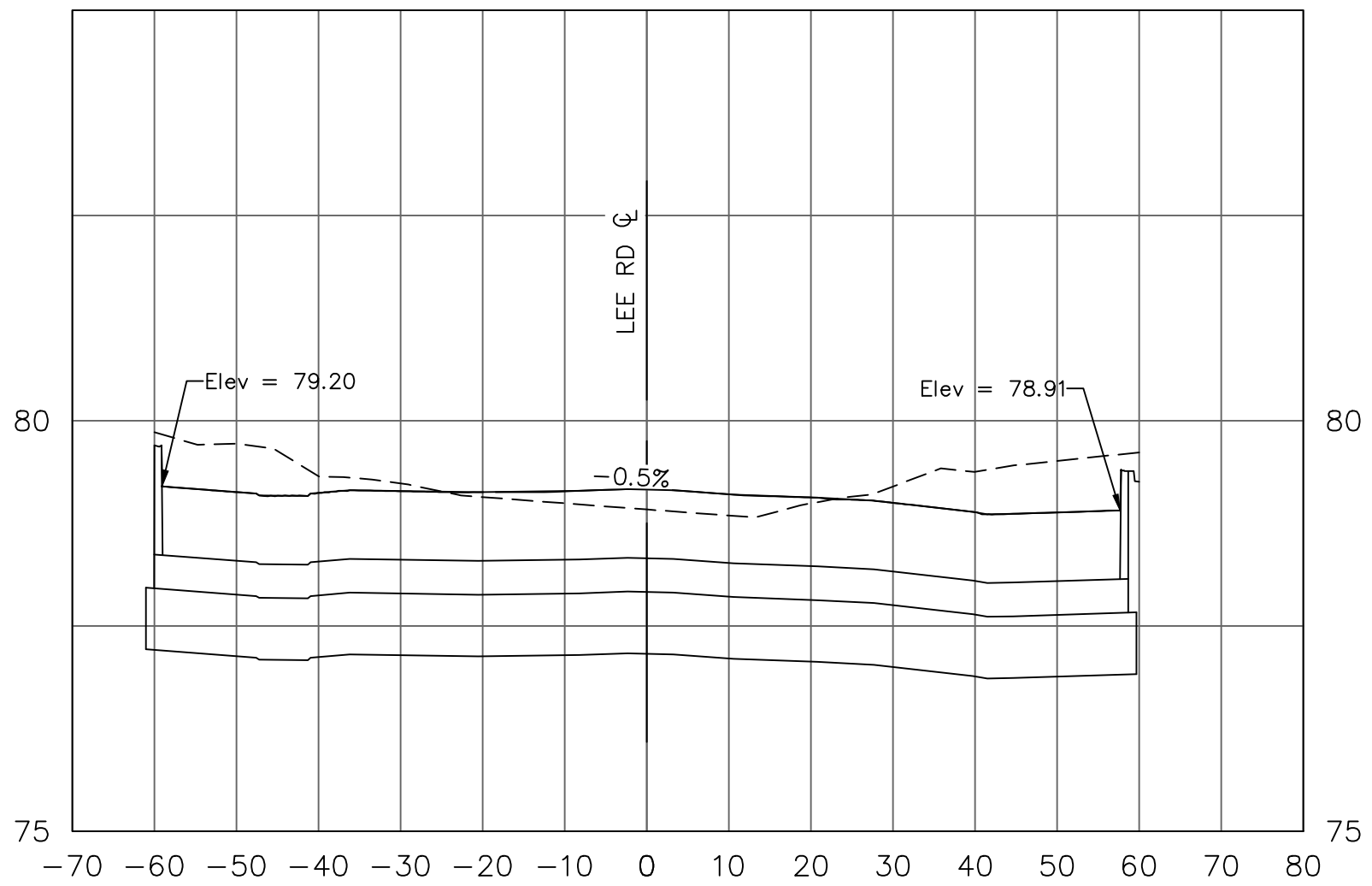
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PLOT DATE:2024-04-19



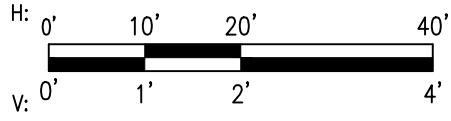
STA. 5+00.00



STA. 4+90.00



STA. 4+75.00

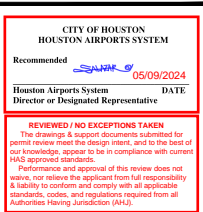


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT /
HOUSTON, TX

ATKINS

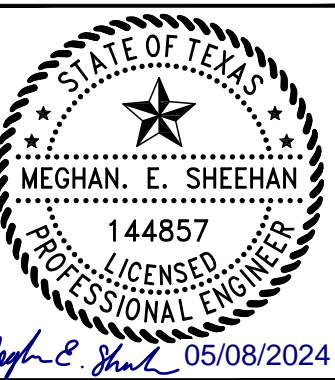
LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-9500
ATKINS NORTH
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NO.	DESCRIPTION	DATE BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
LEE ROAD SECTIONS**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

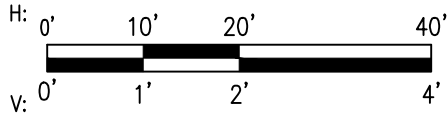
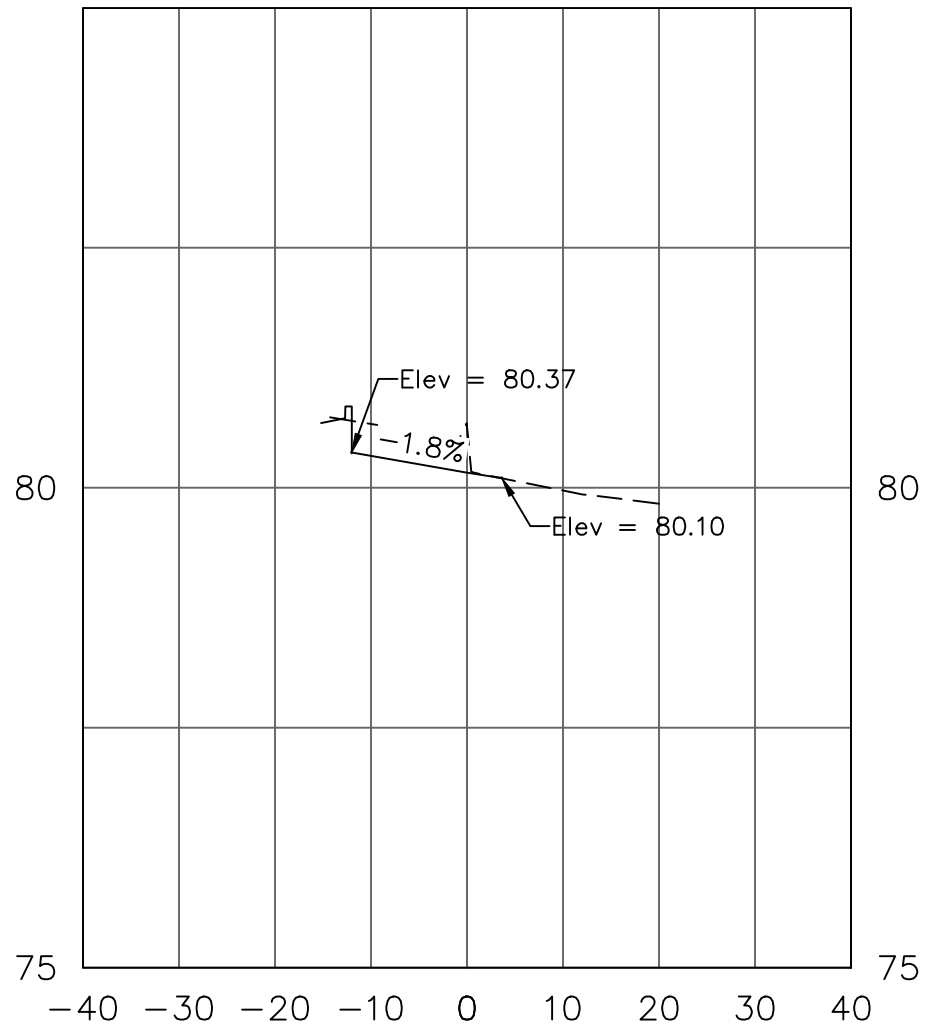
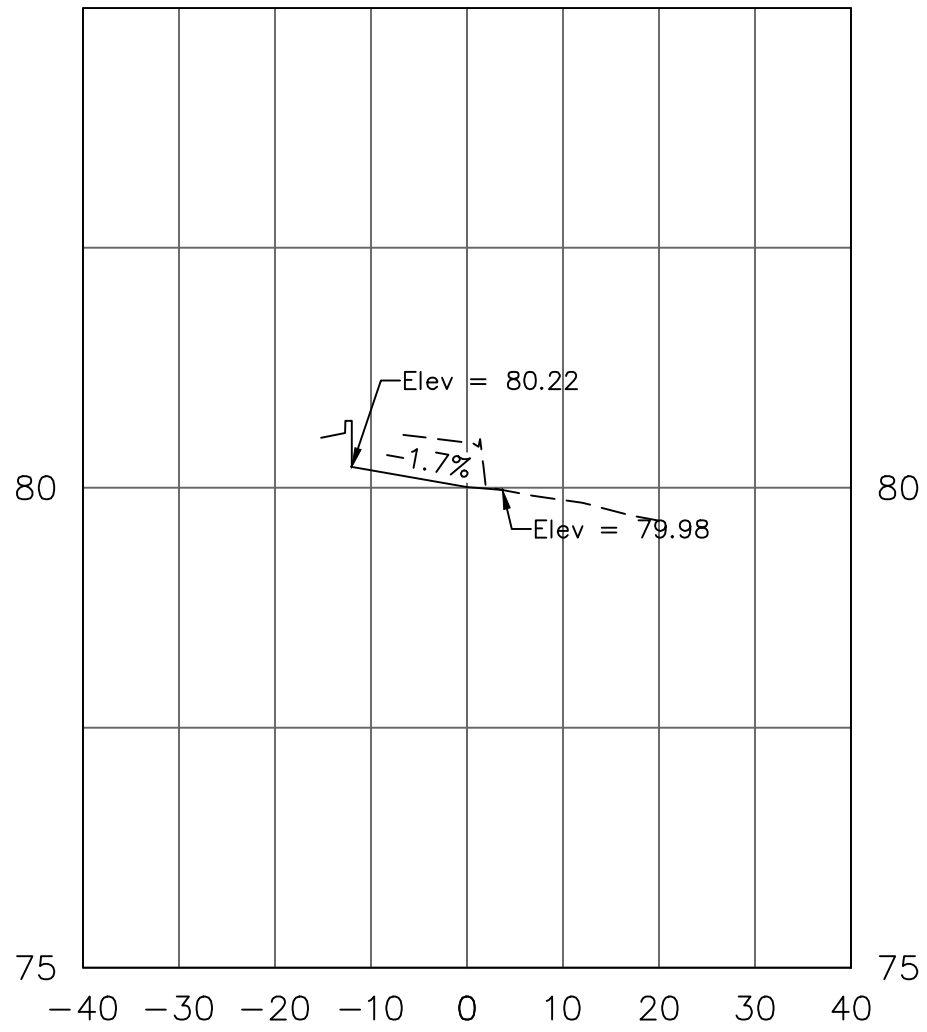
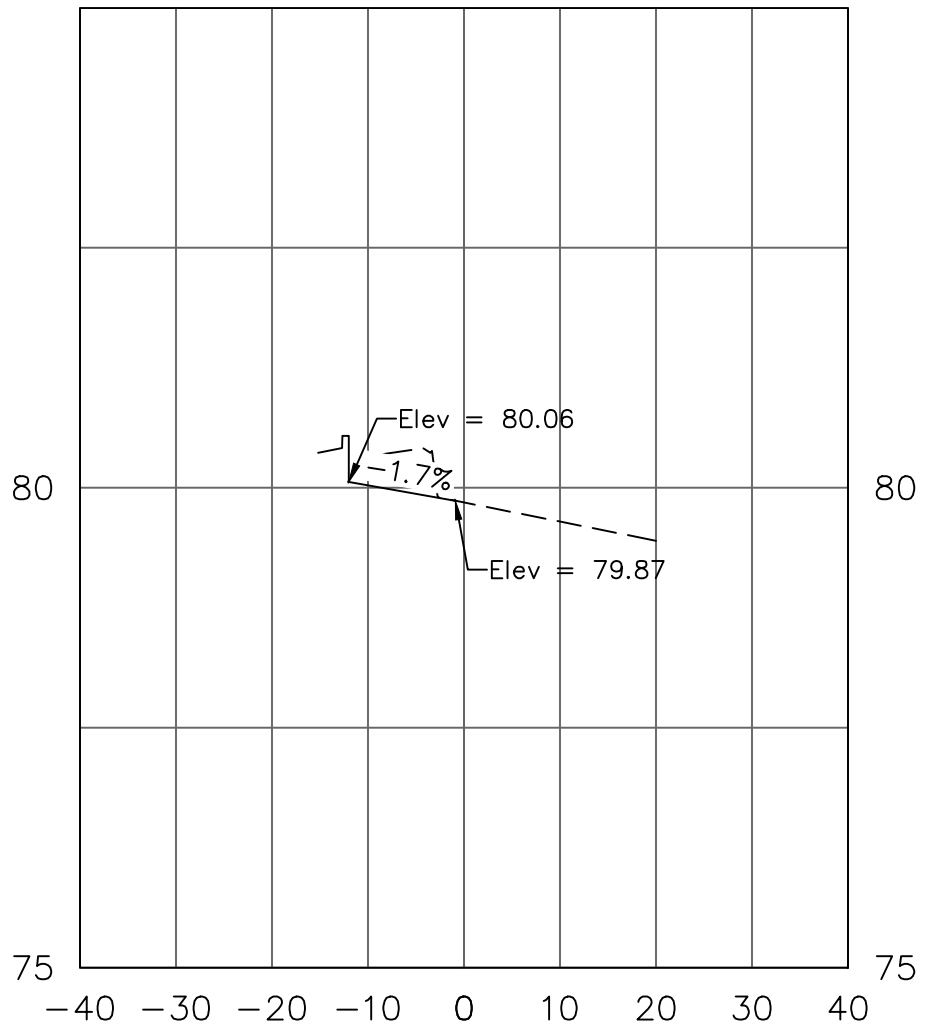
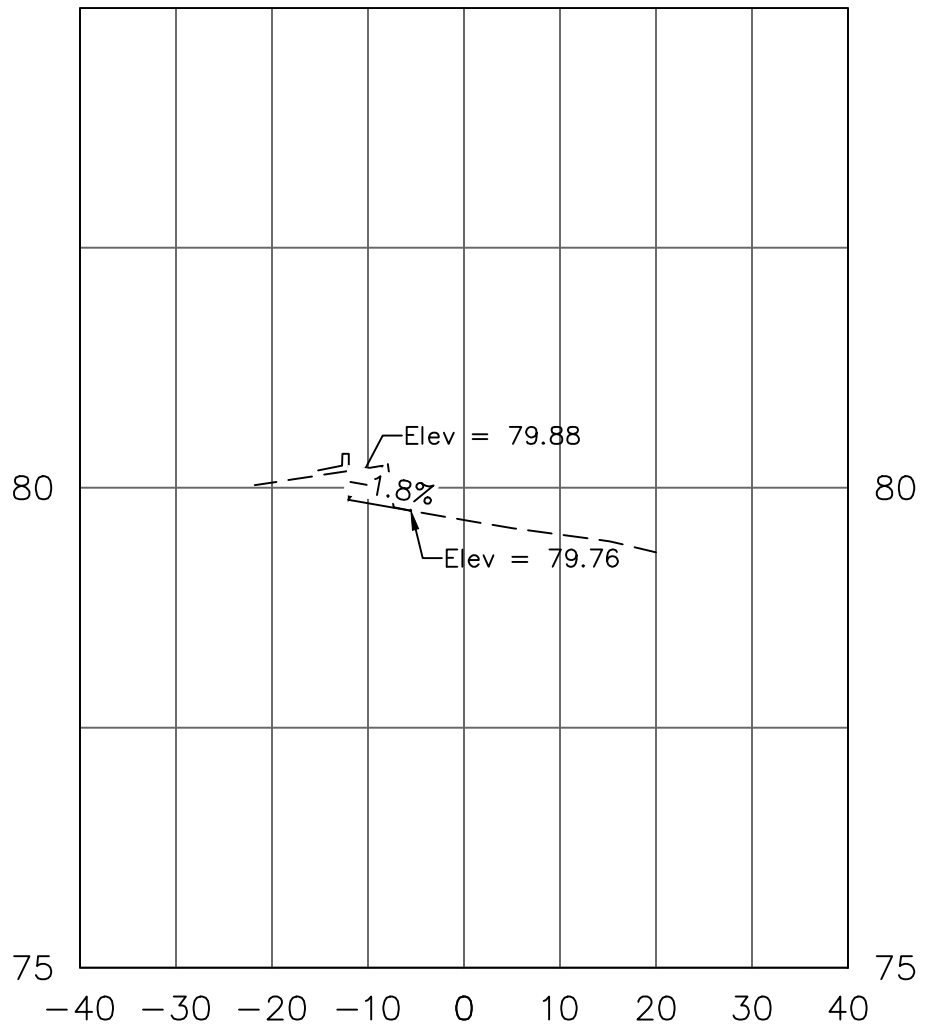
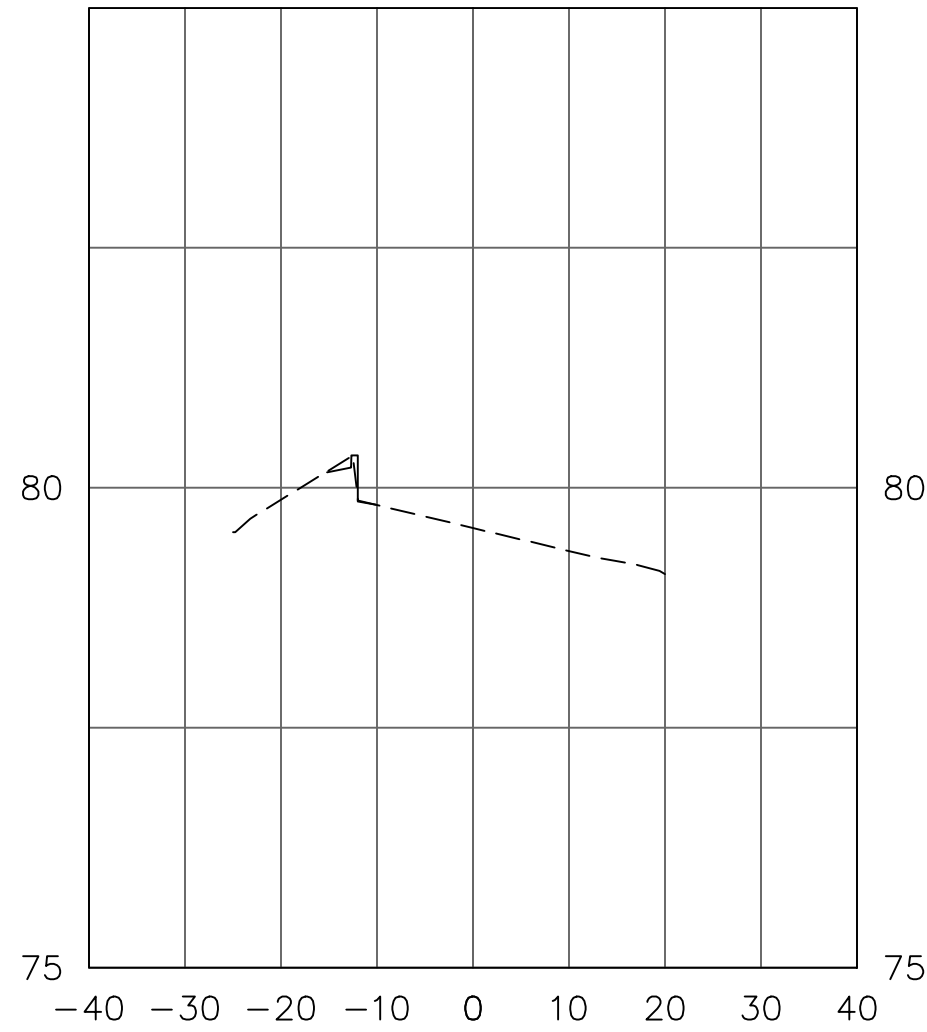
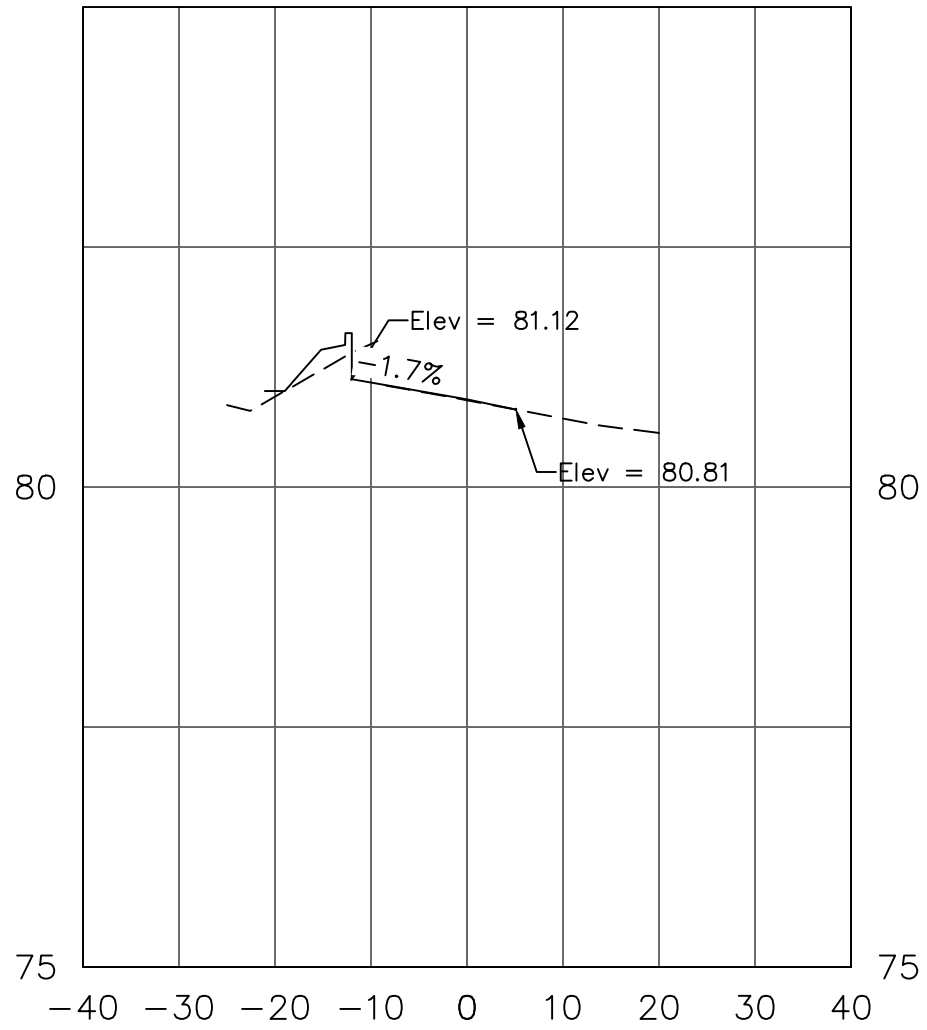
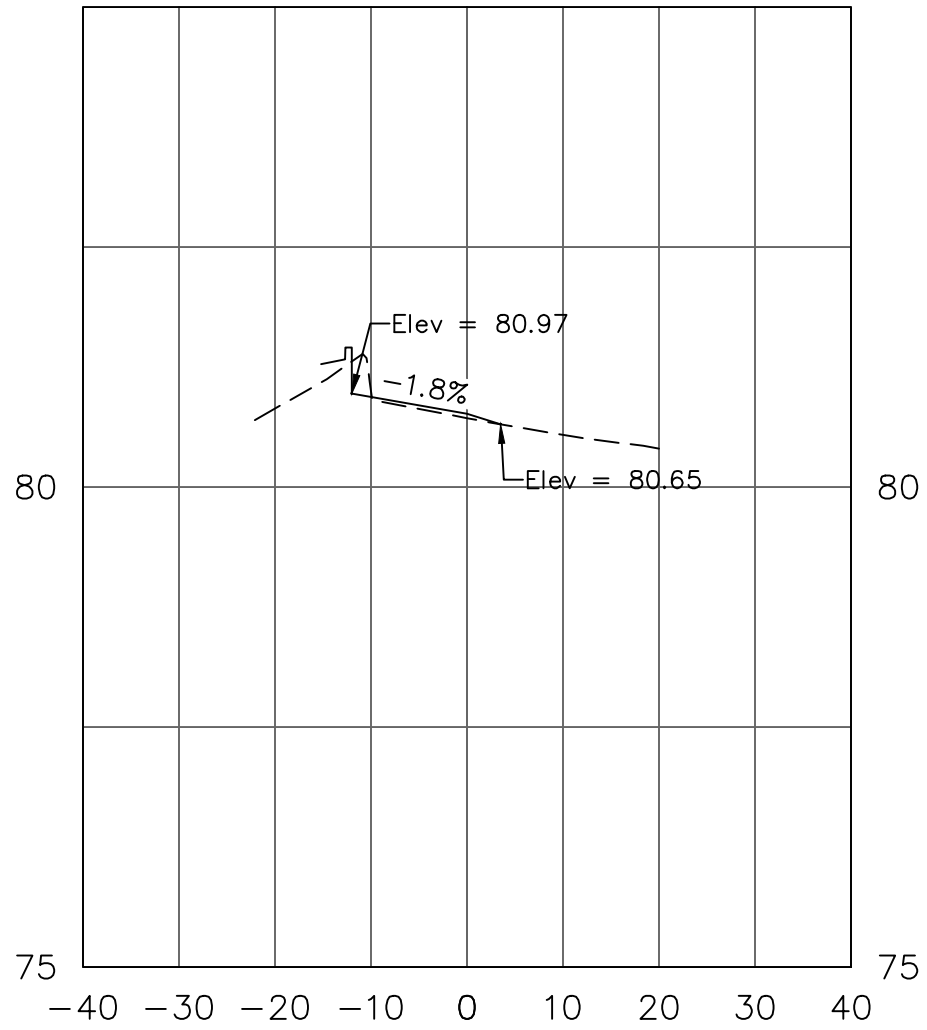
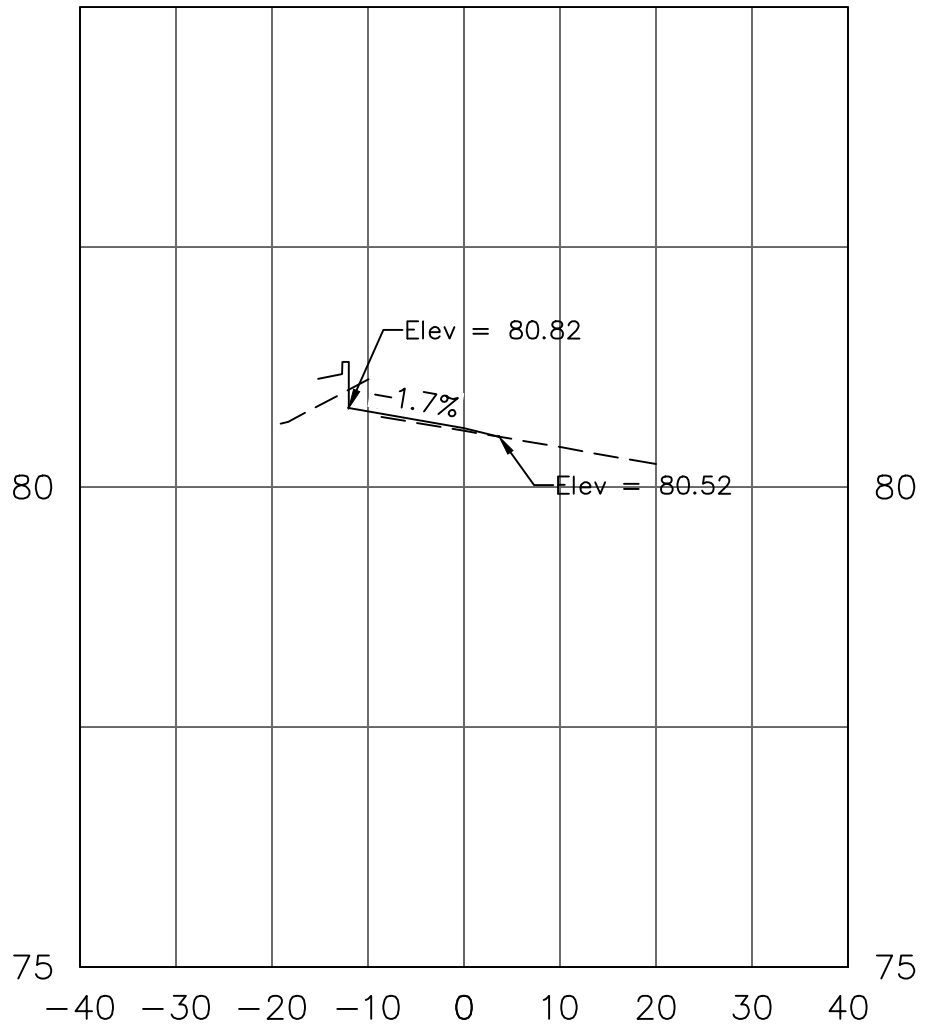
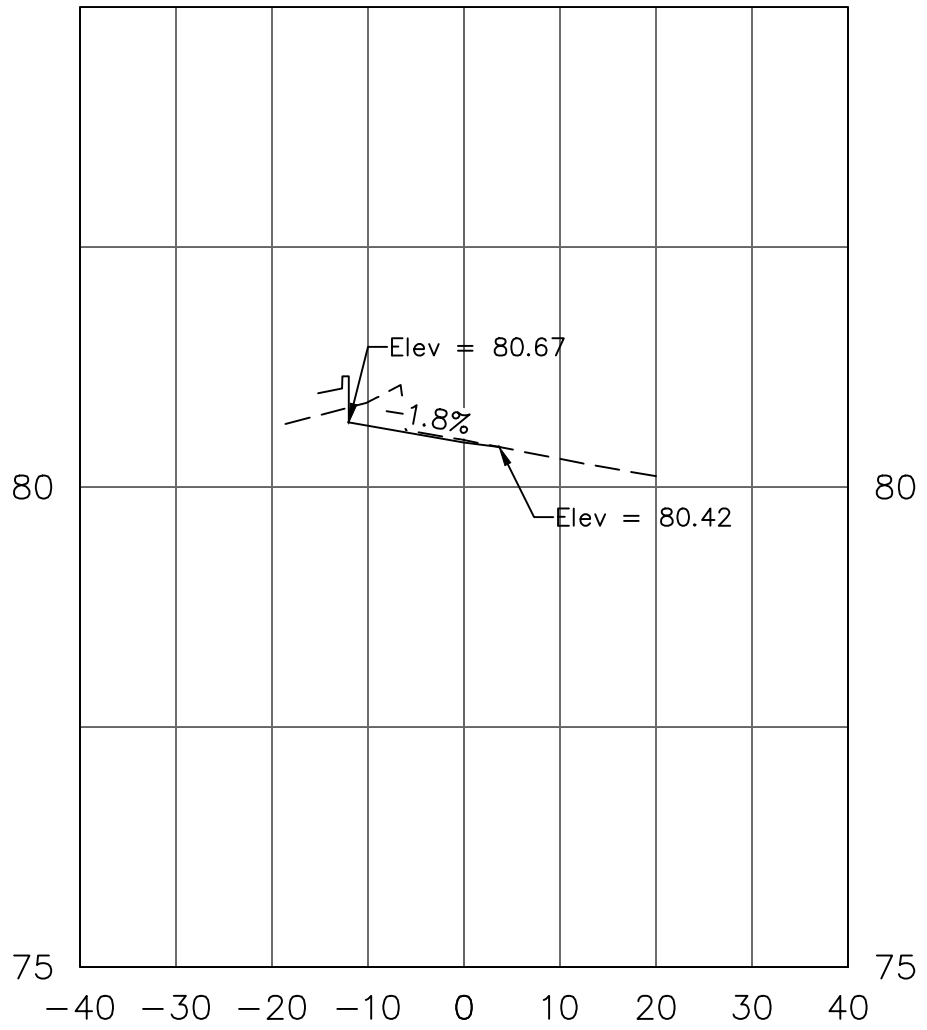
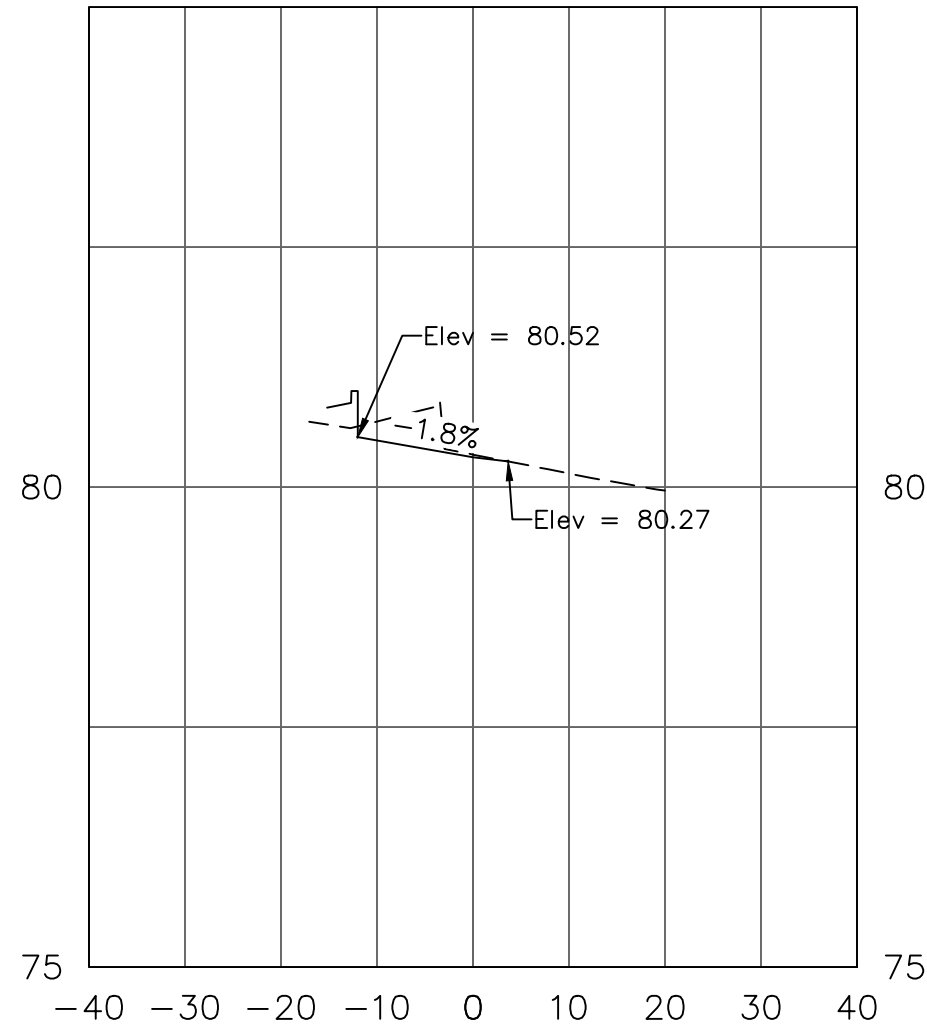
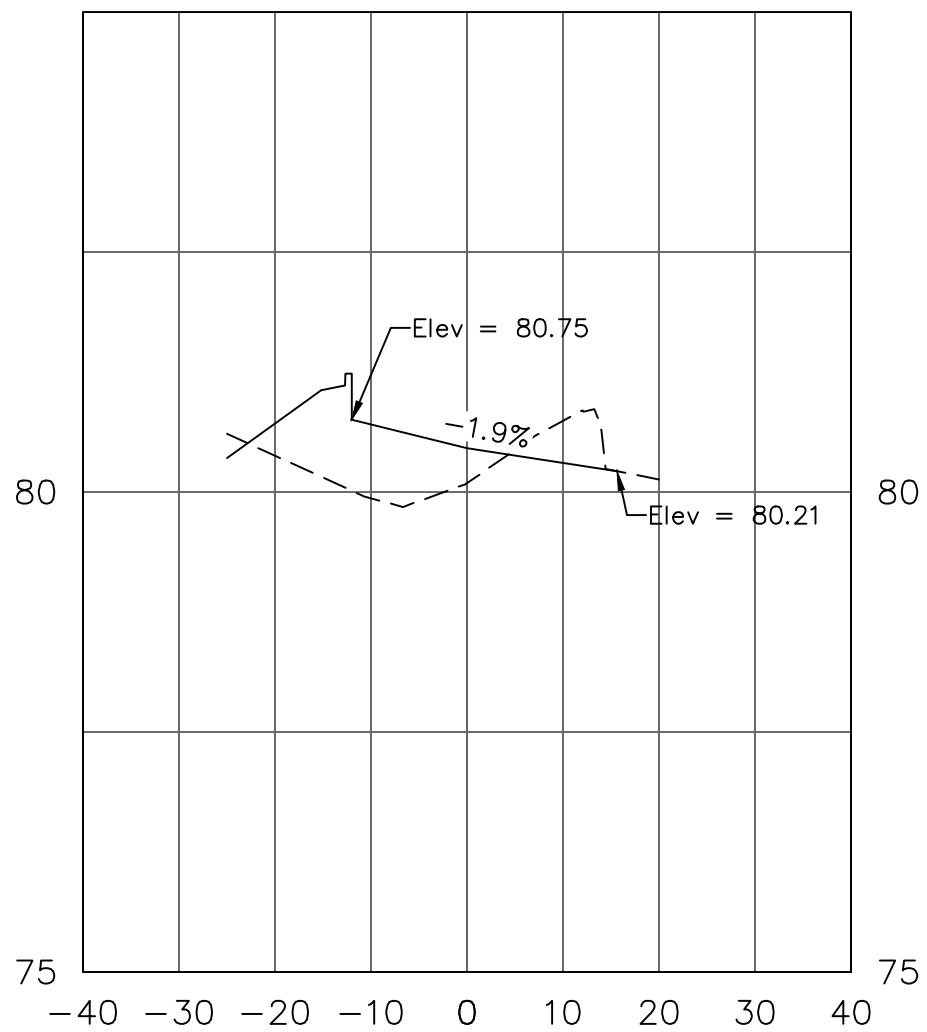
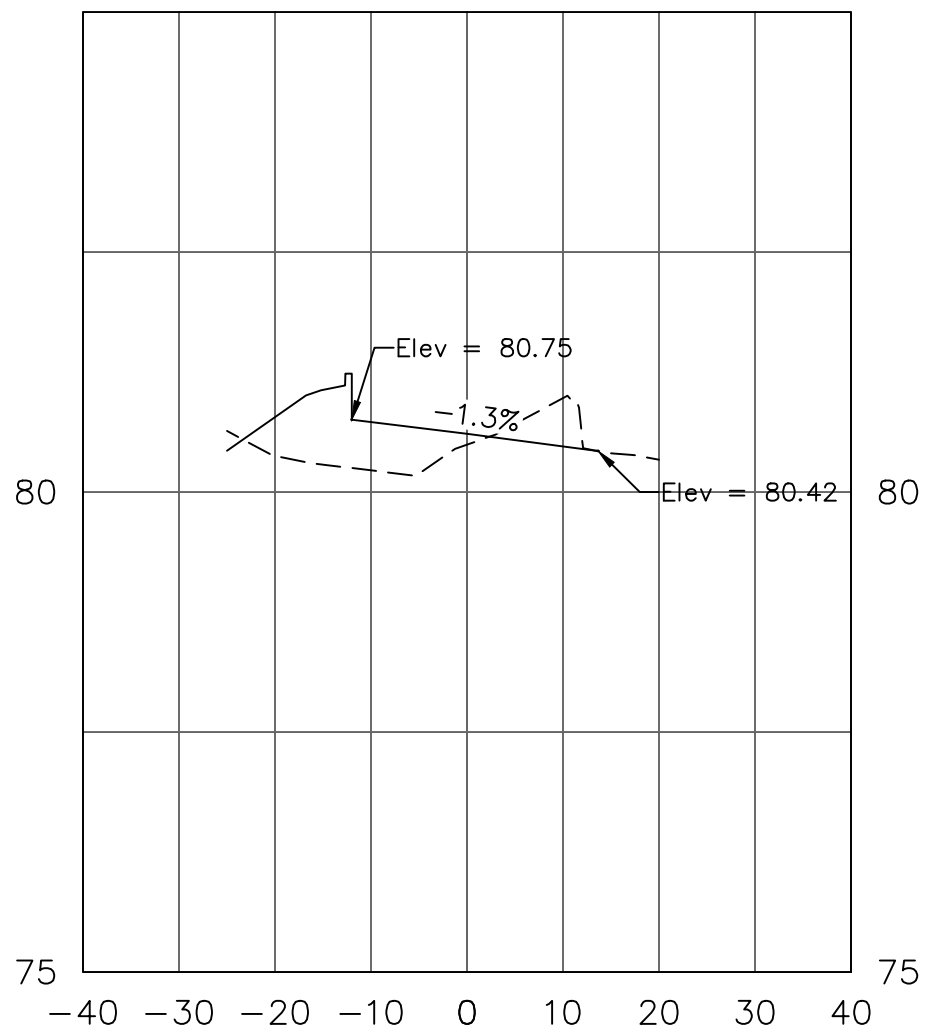
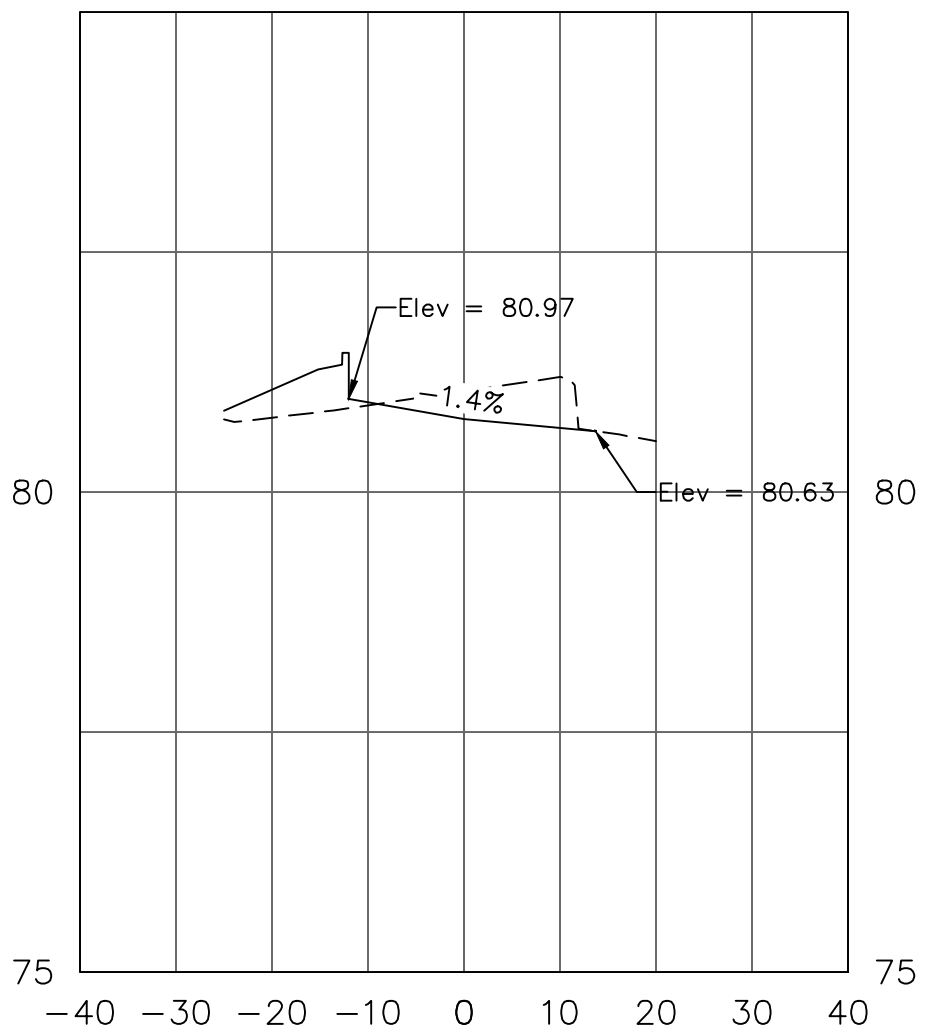
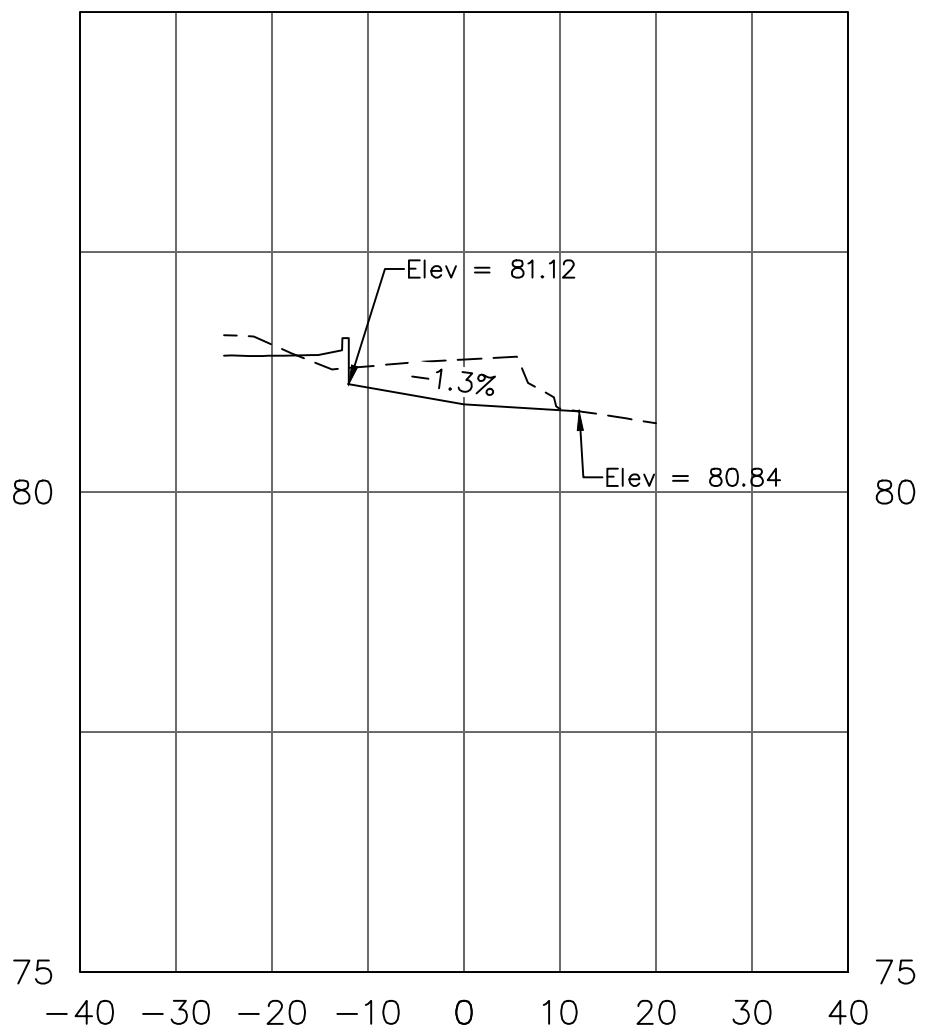
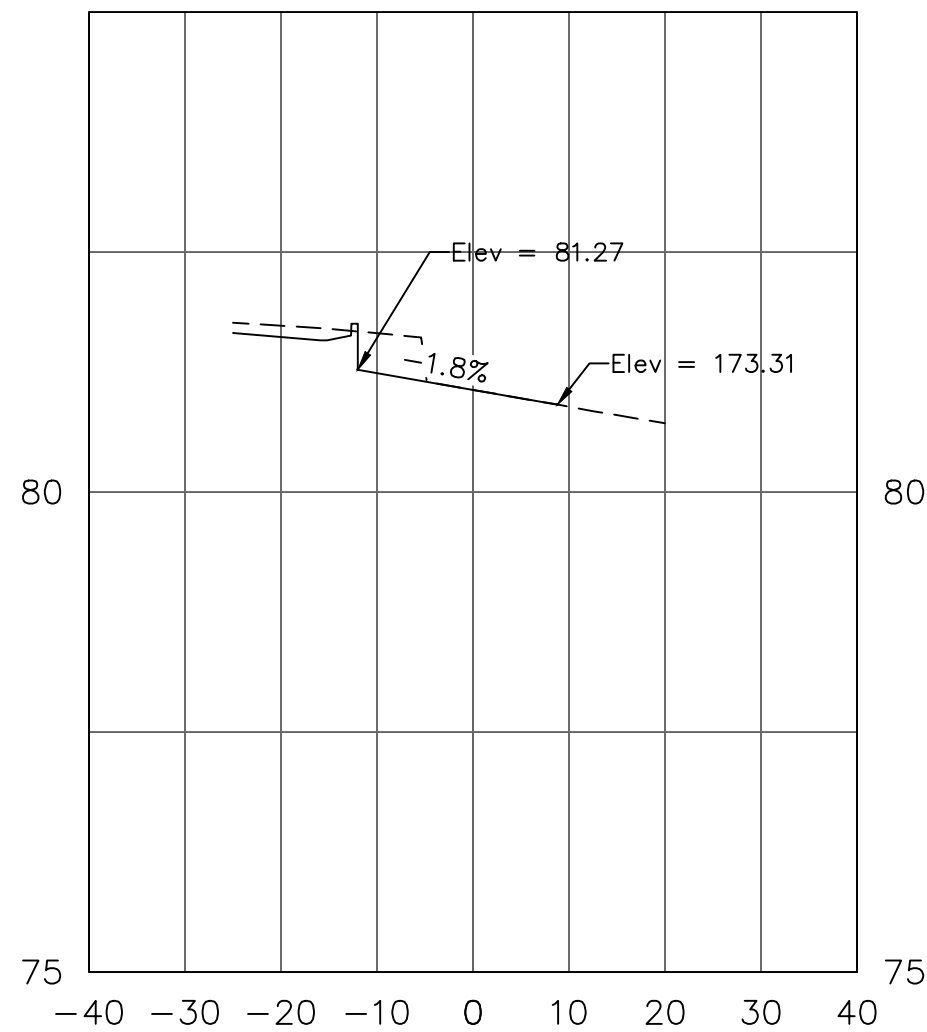


APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	

PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

CD-606

HAS FILE:C:\PW\WORK\ATKIN\TX01\WSATKINS_LESL4438\DWG59378\1-0935-CD-601.DWG
PLOT DATE:2024-04-19



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT /
HOUSTON, TX

ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY.
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-9500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
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REVISIONS

NO.	DESCRIPTION	DATE	BY
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CITY OF HOUSTON
HOUSTON AIRPORT SYSTEM
HOUSTON, TEXAS
PROJECT NO. 100072032
DATE: 05/08/2024
DESIGNED BY: ALR
CHECKED BY: PMW
APPROVED BY: MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
WILL CLAYTON EB TO WB U-TURN SECTIONS

ISSUED FOR PERMIT

PROJECT MGR: MES

DESIGNER: ALR

DRAWN BY: ALR

CHECK BY: PMW

SCALE:

DATE: 05/08/2024



APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.

100072032

A.I.P. NO.

C.I.P. NO.

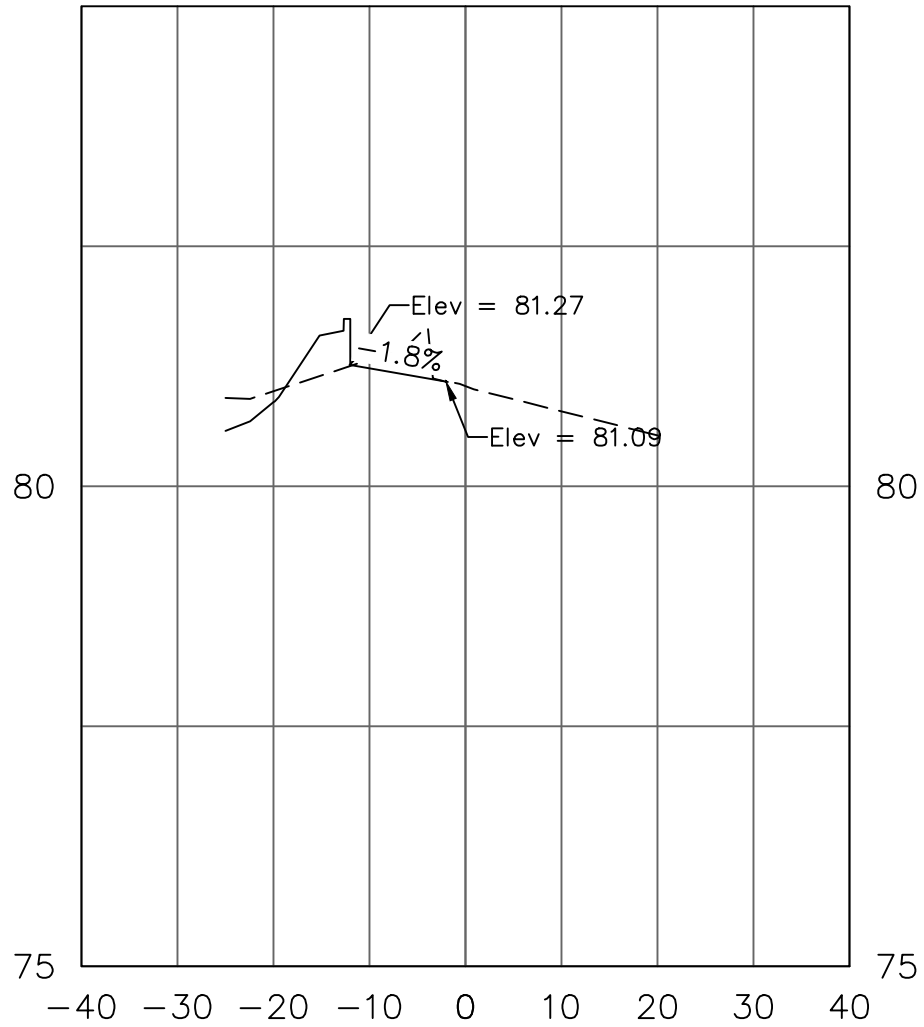
H.A.S. NO.

935

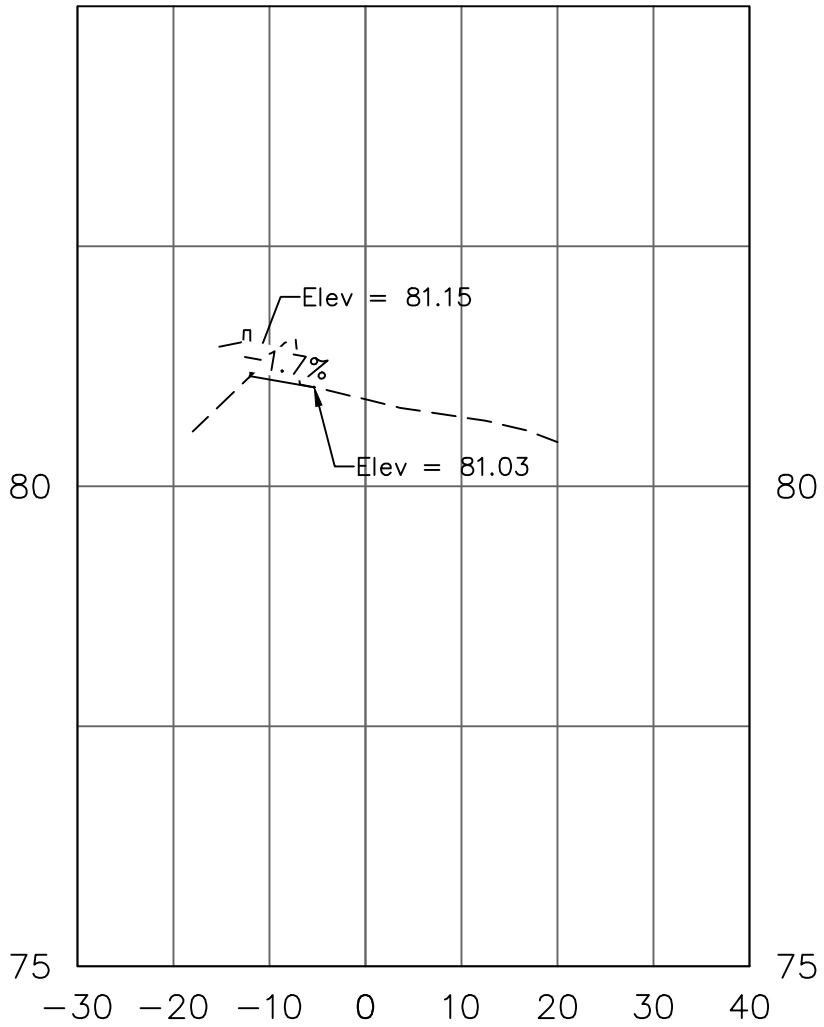
SHEET NO.

CD-607

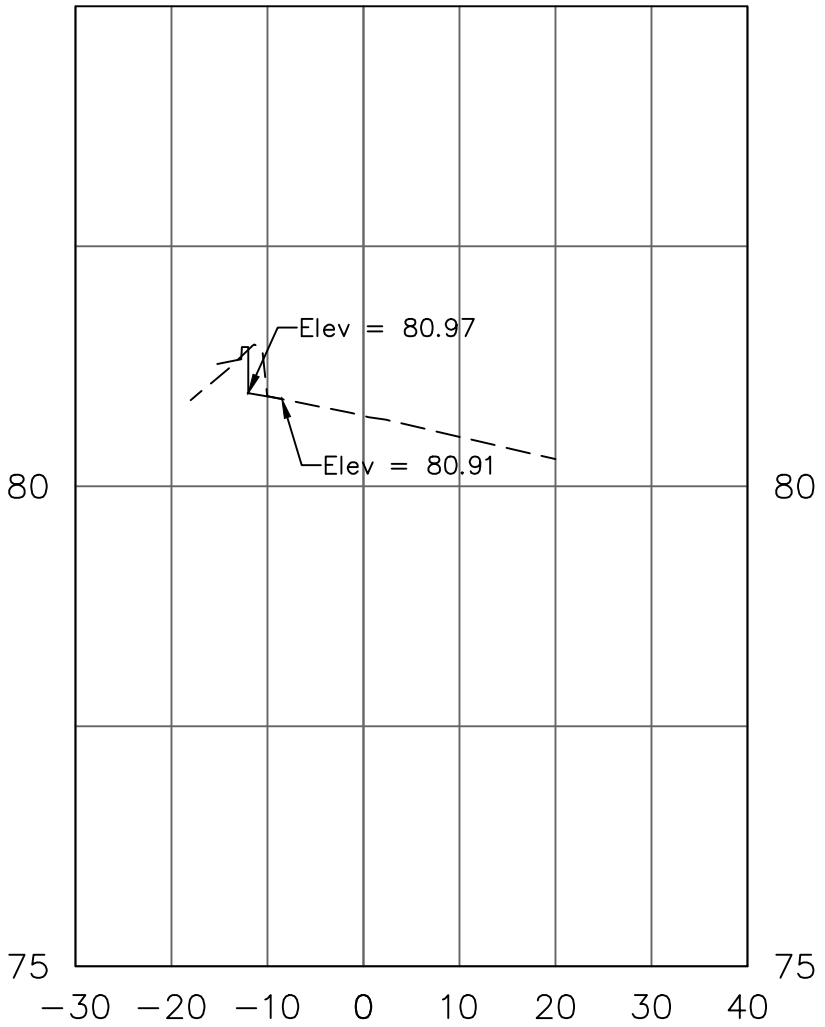
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PLOT DATE:2024-04-19



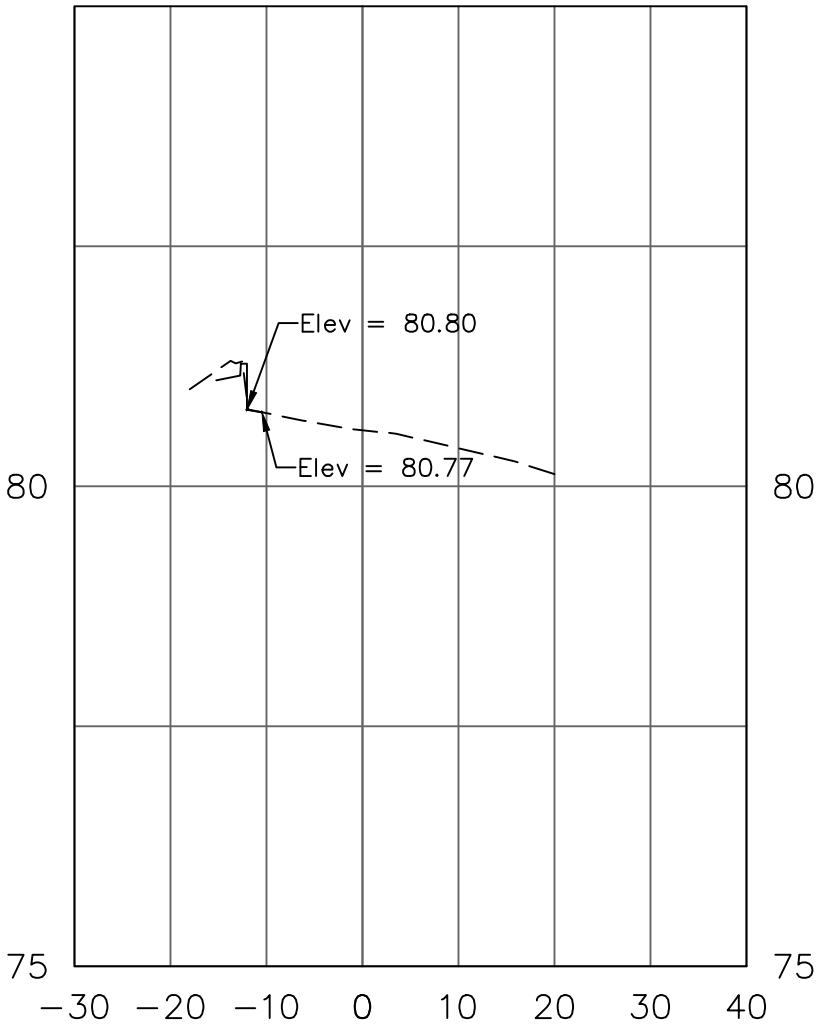
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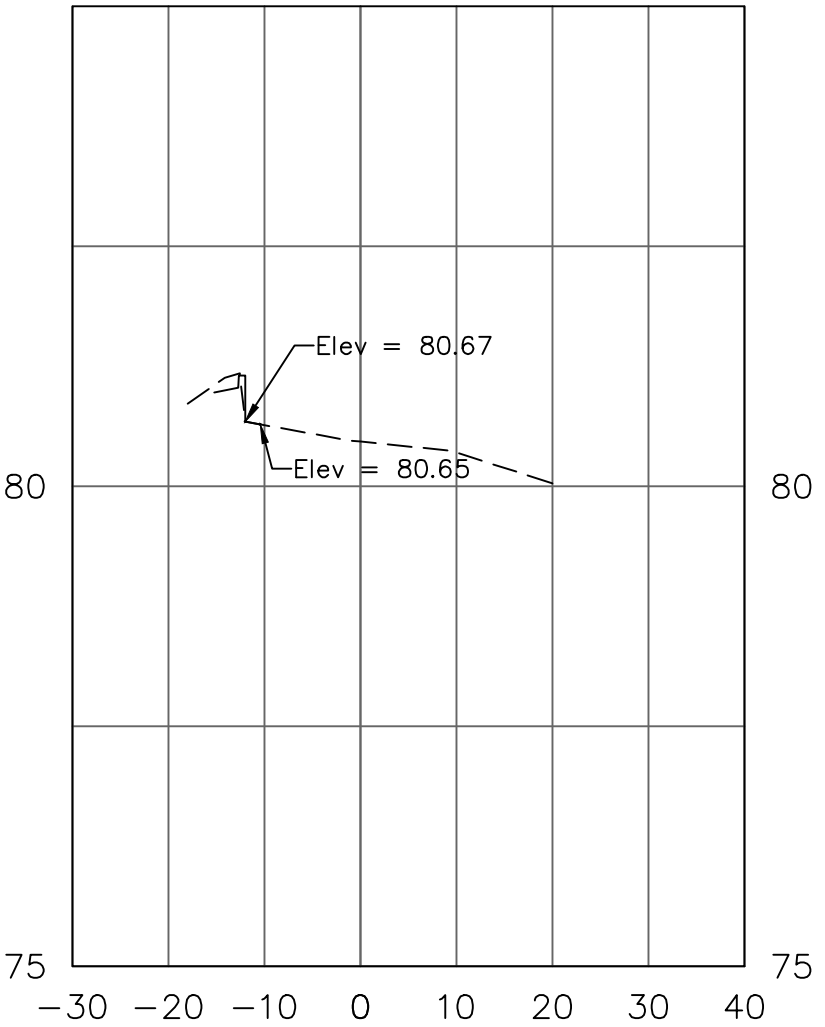
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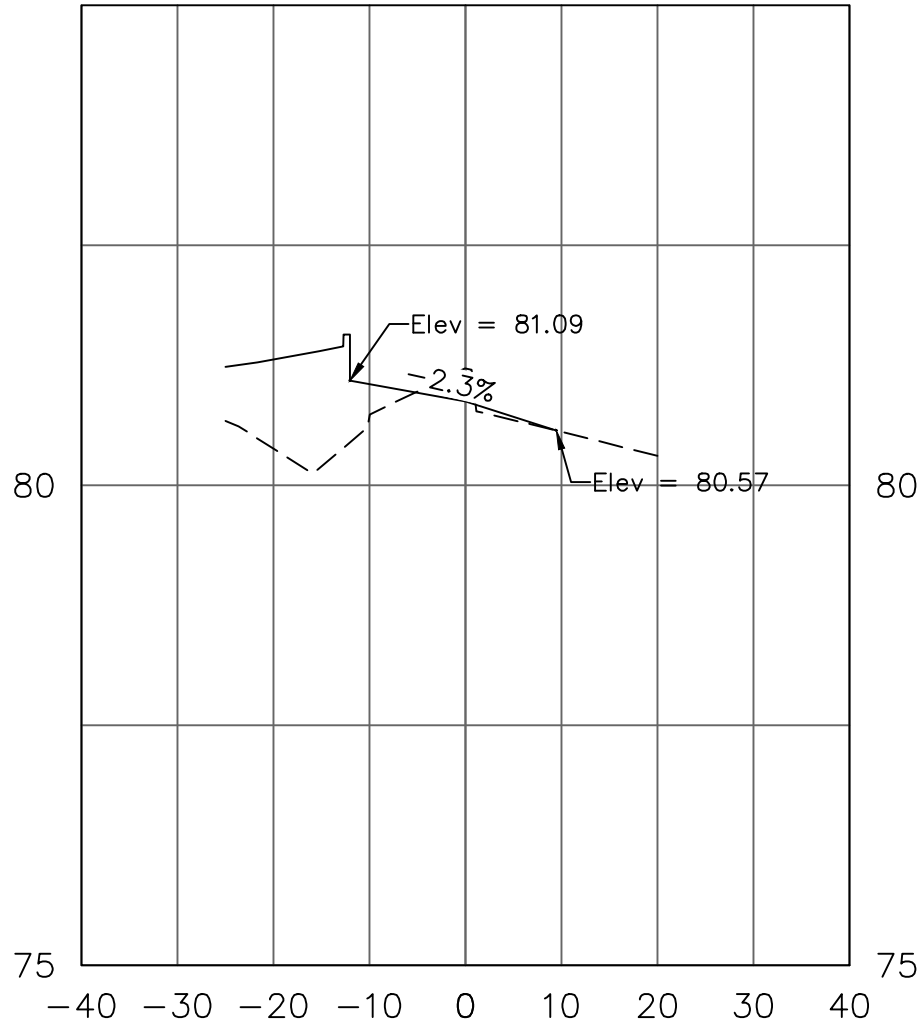
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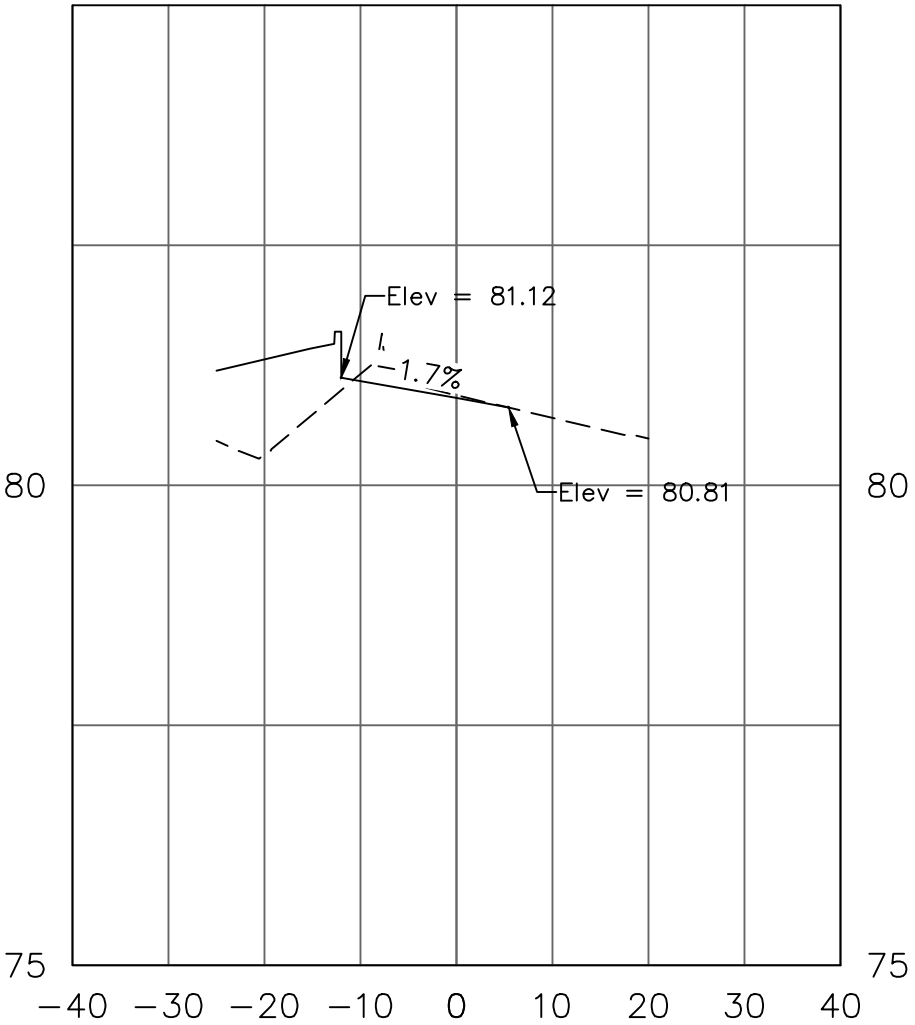
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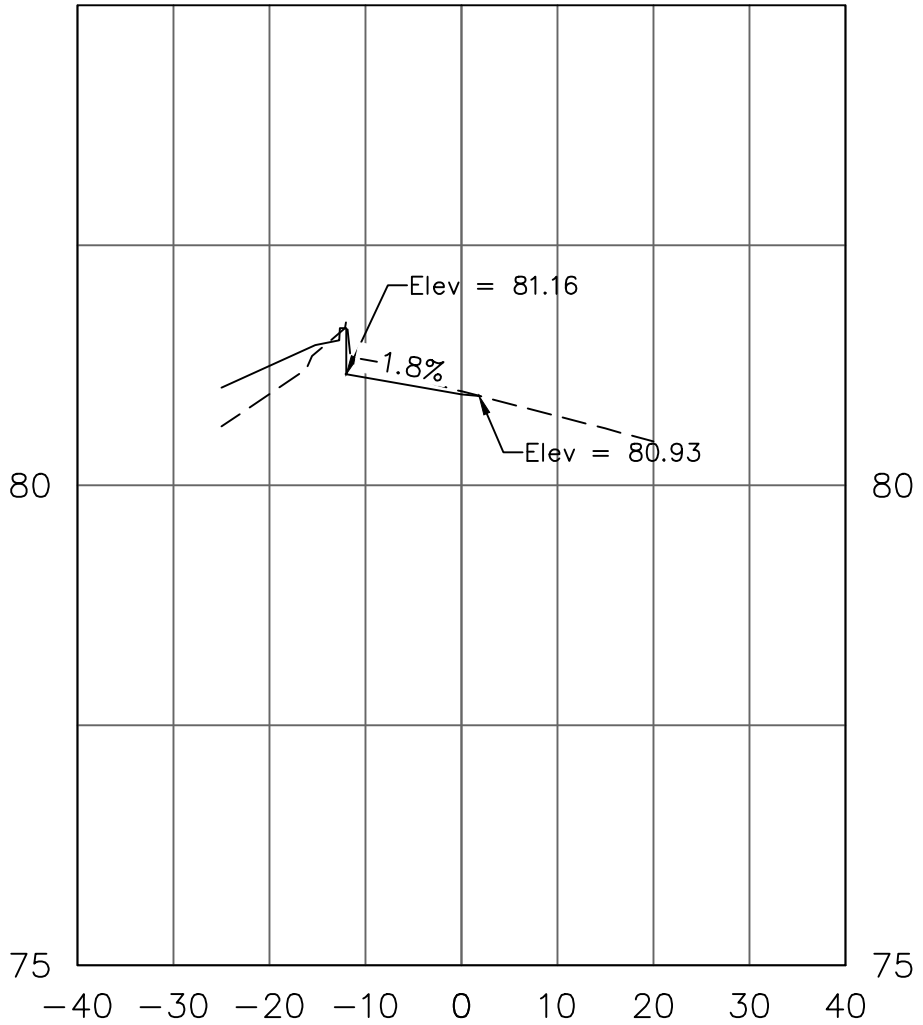
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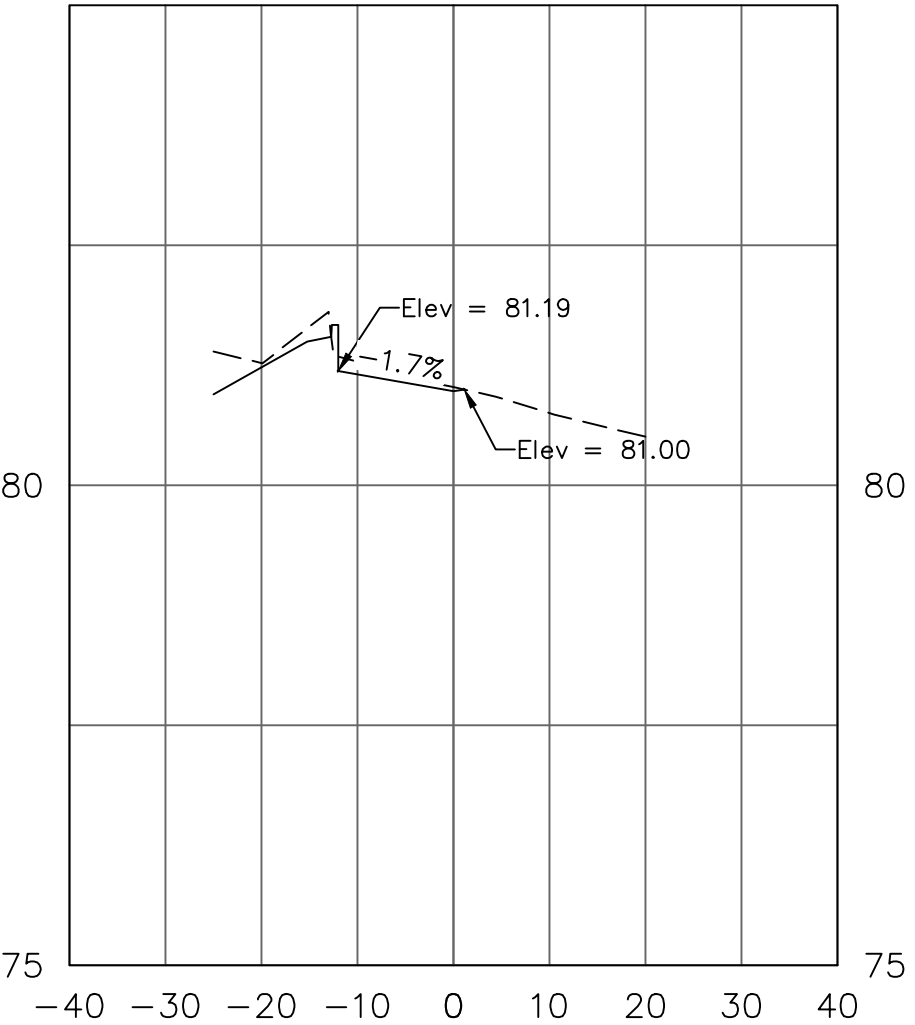
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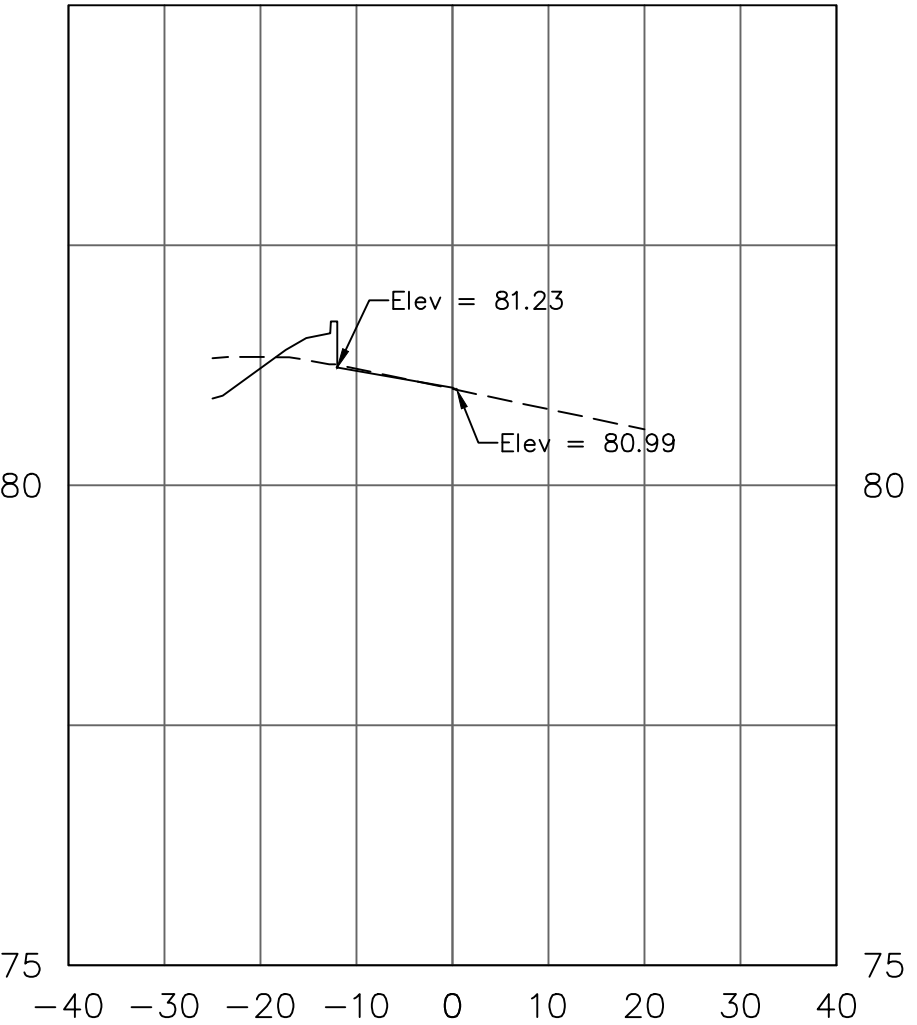
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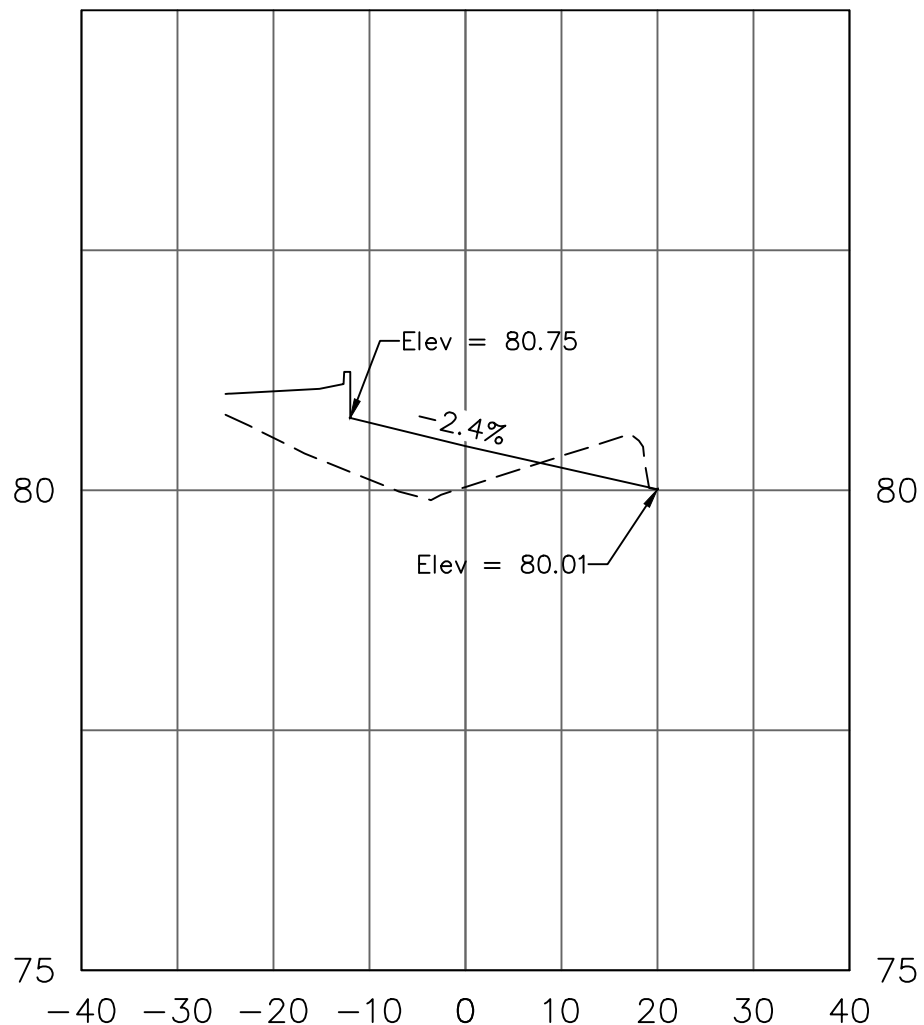
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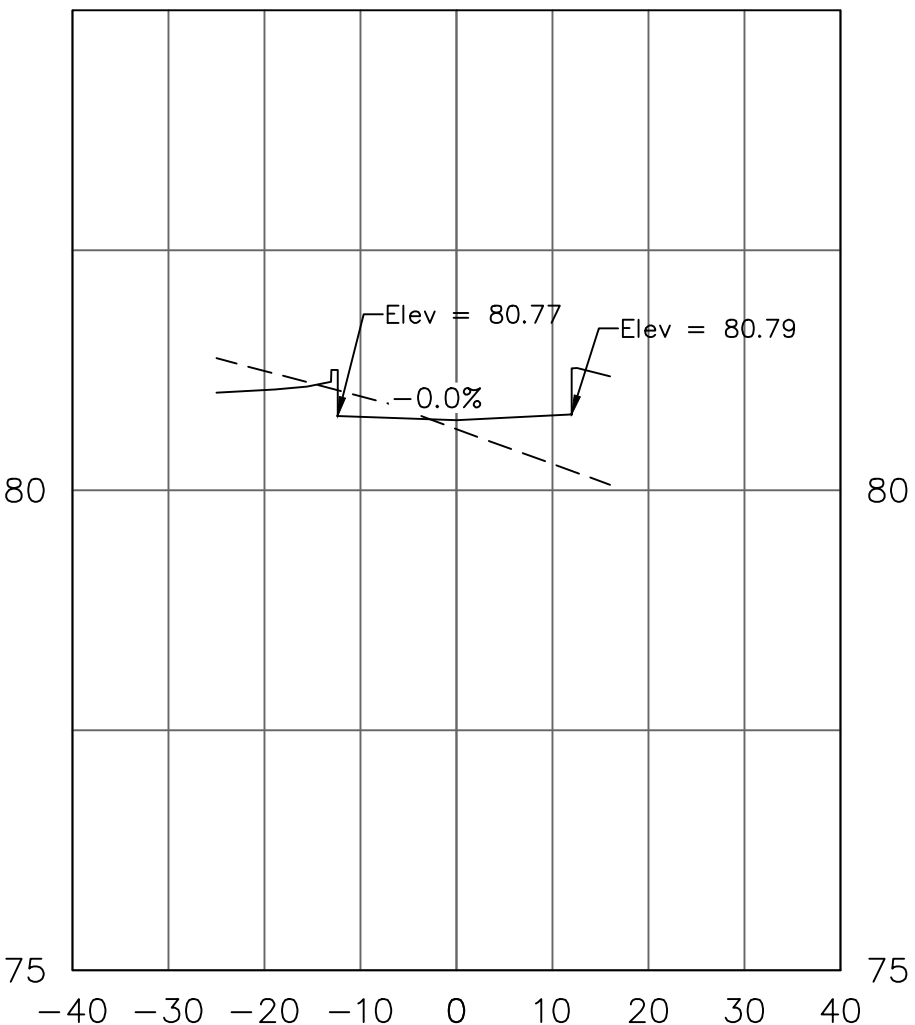
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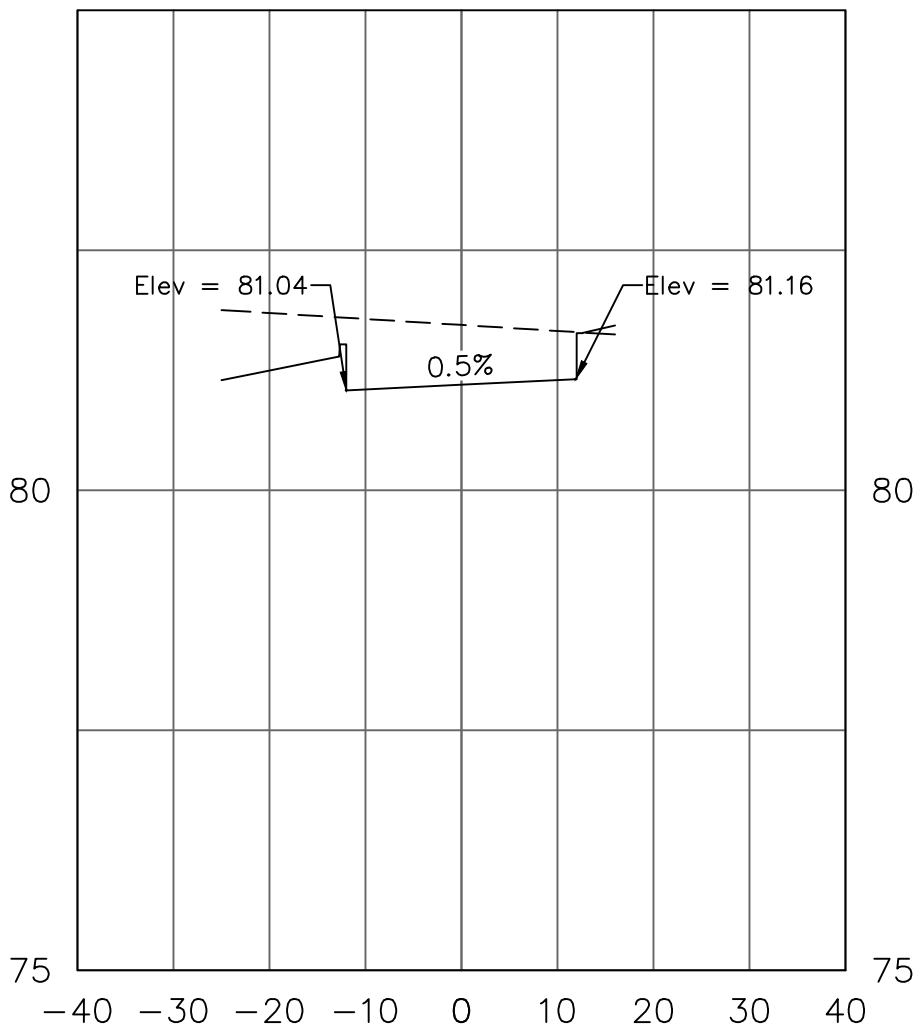
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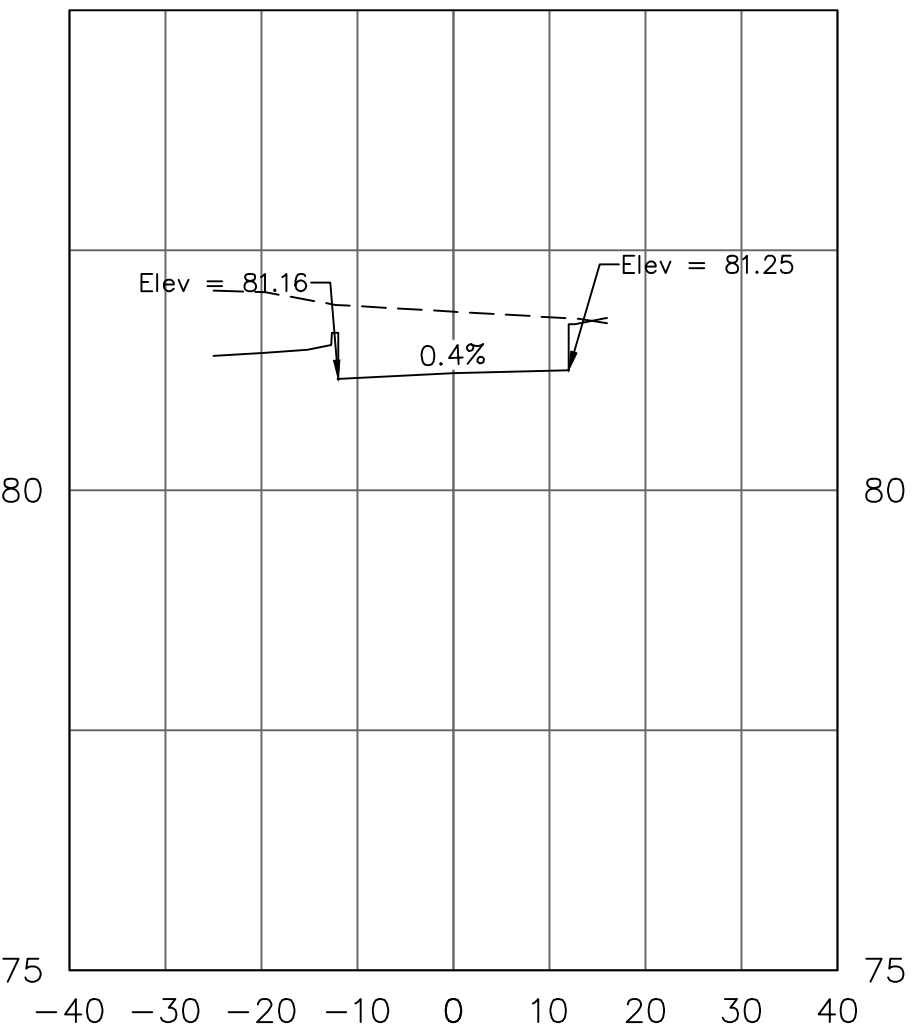
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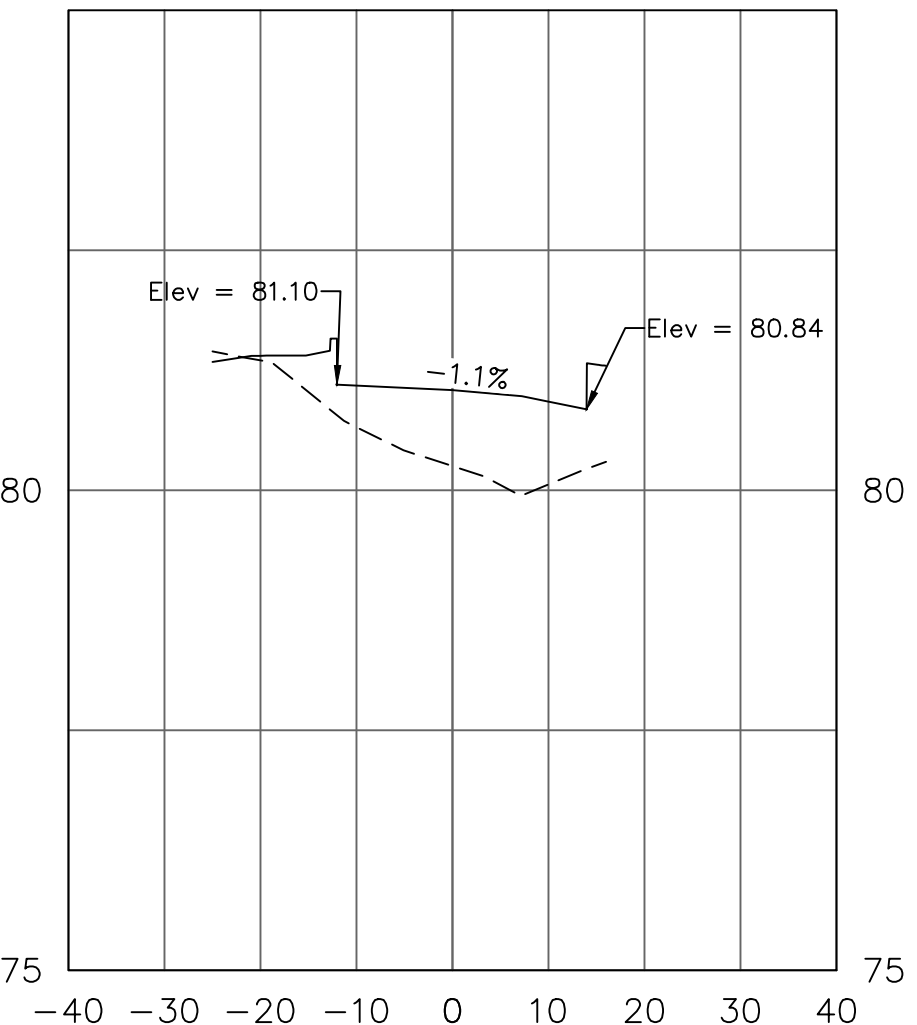
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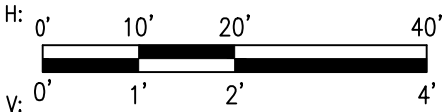
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STA. 509+00.00



STA. 509+50.00



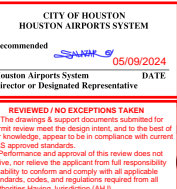
HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT /
HOUSTON, TX

ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-9500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
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REVISIONS

NO.	DESCRIPTION	DATE	BY
-----	-------------	------	----



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION

WILL CLAYTON EB TO WB U-TURN SECTIONS

ISSUED FOR PERMIT

PROJECT MGR: MES

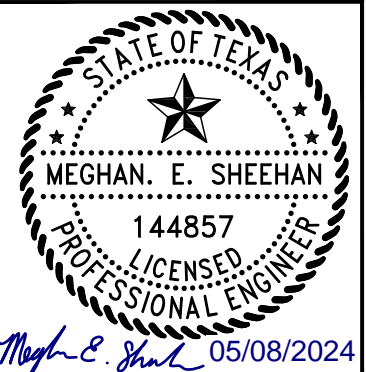
DESIGNER: ALR

DRAWN BY: ALR

CHECK BY: PMW

SCALE:

DATE: 05/08/2024



APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.

100072032

A.I.P. NO.

C.I.P. NO.

H.A.S. NO.

935

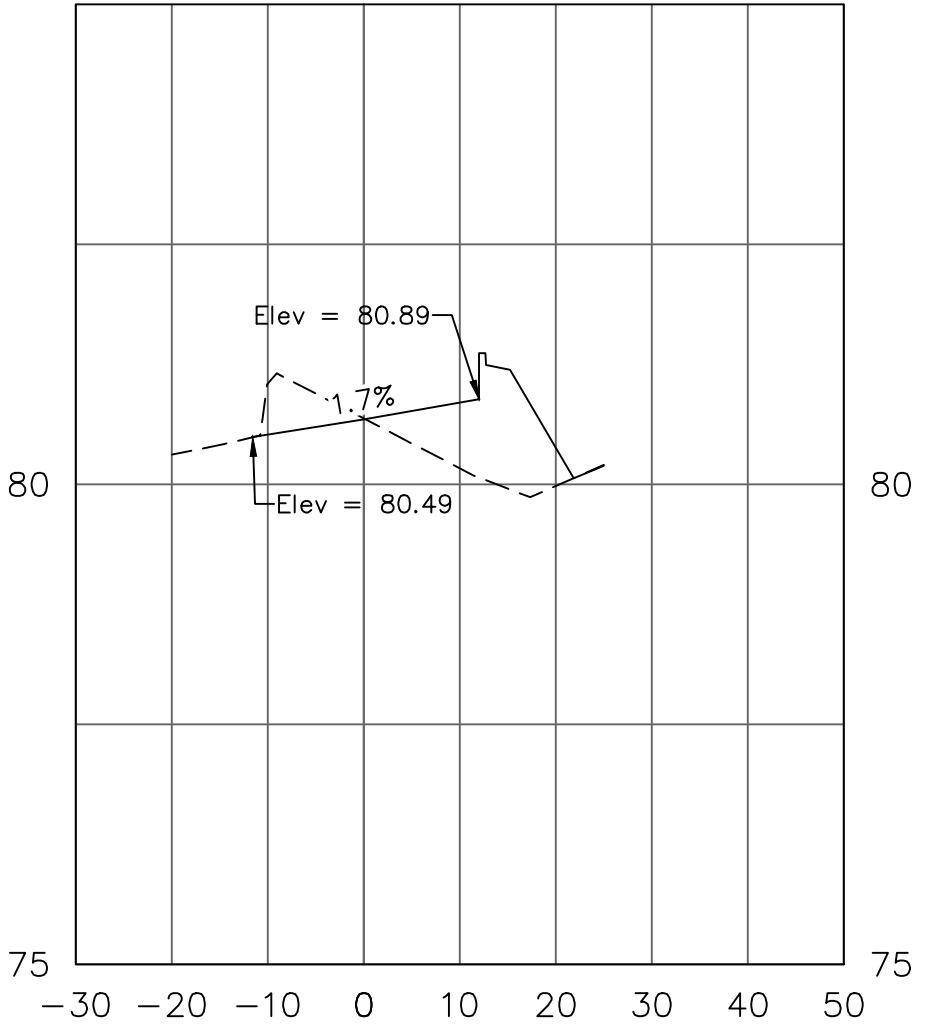
SHEET NO.

CD-608

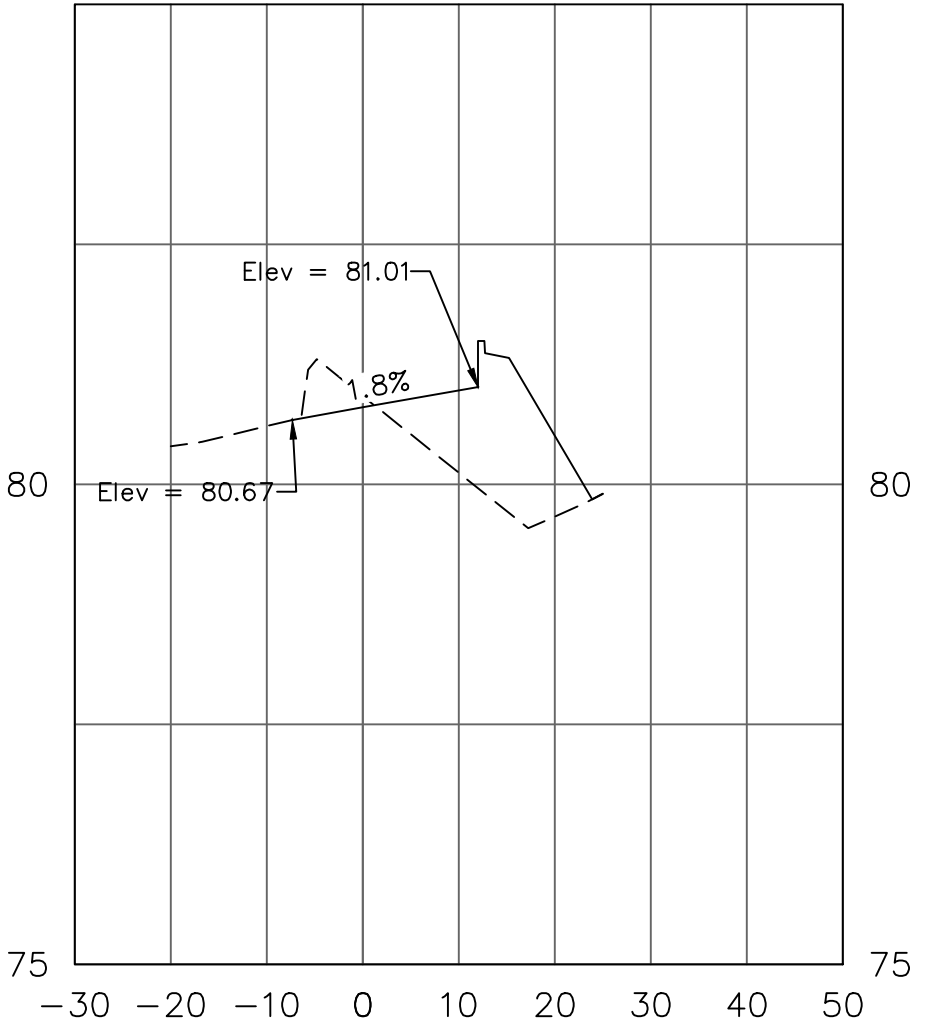
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PLOT DATE:2024-04-19



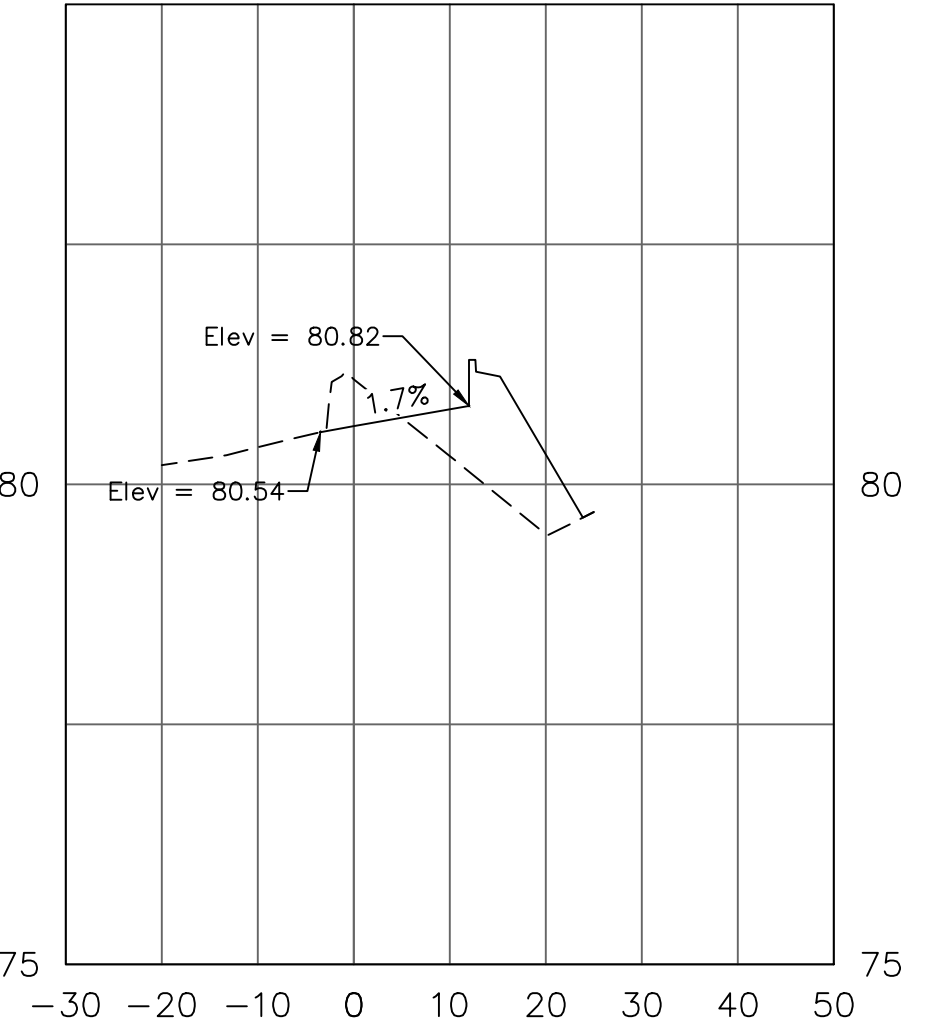
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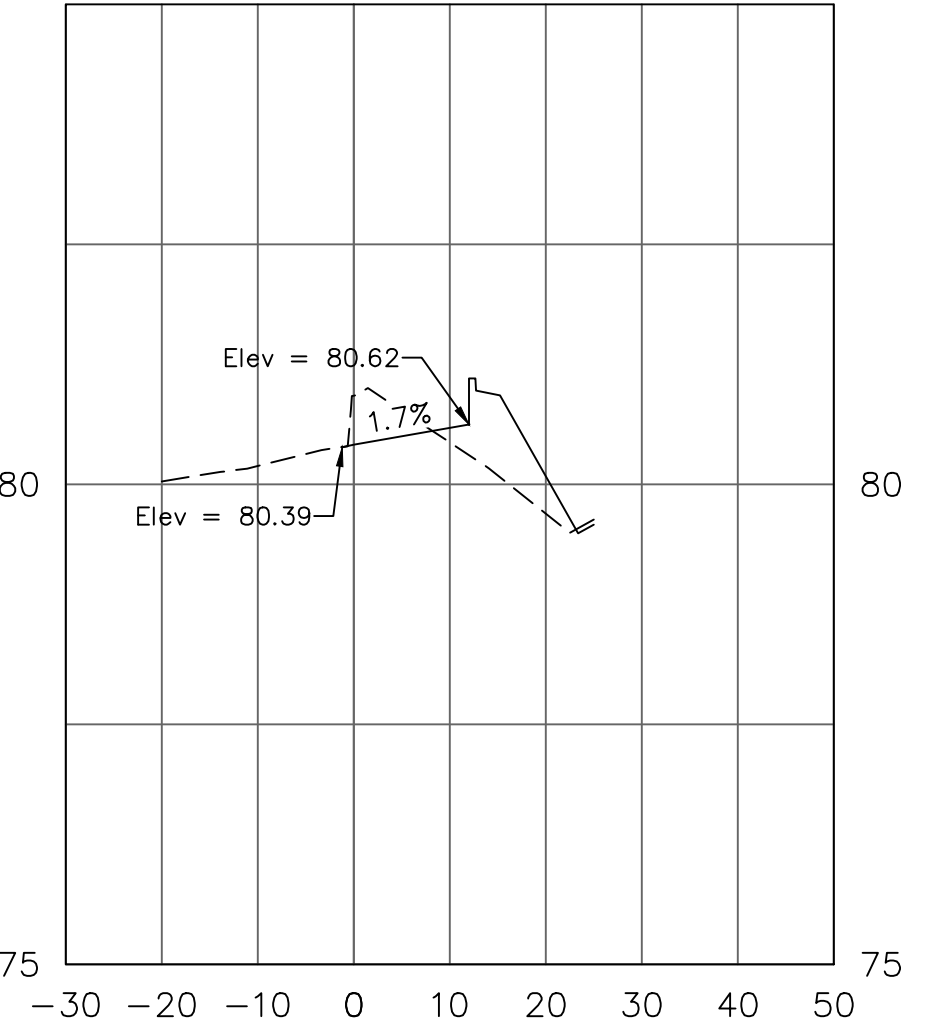
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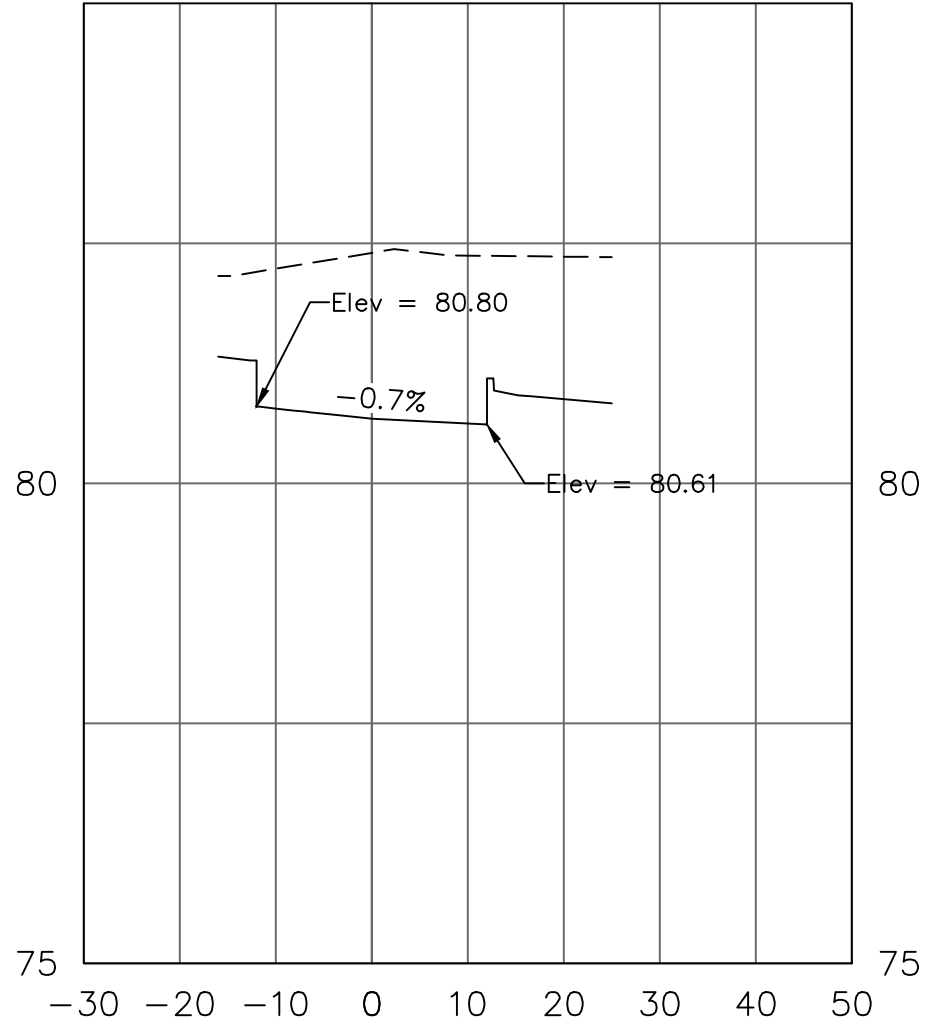
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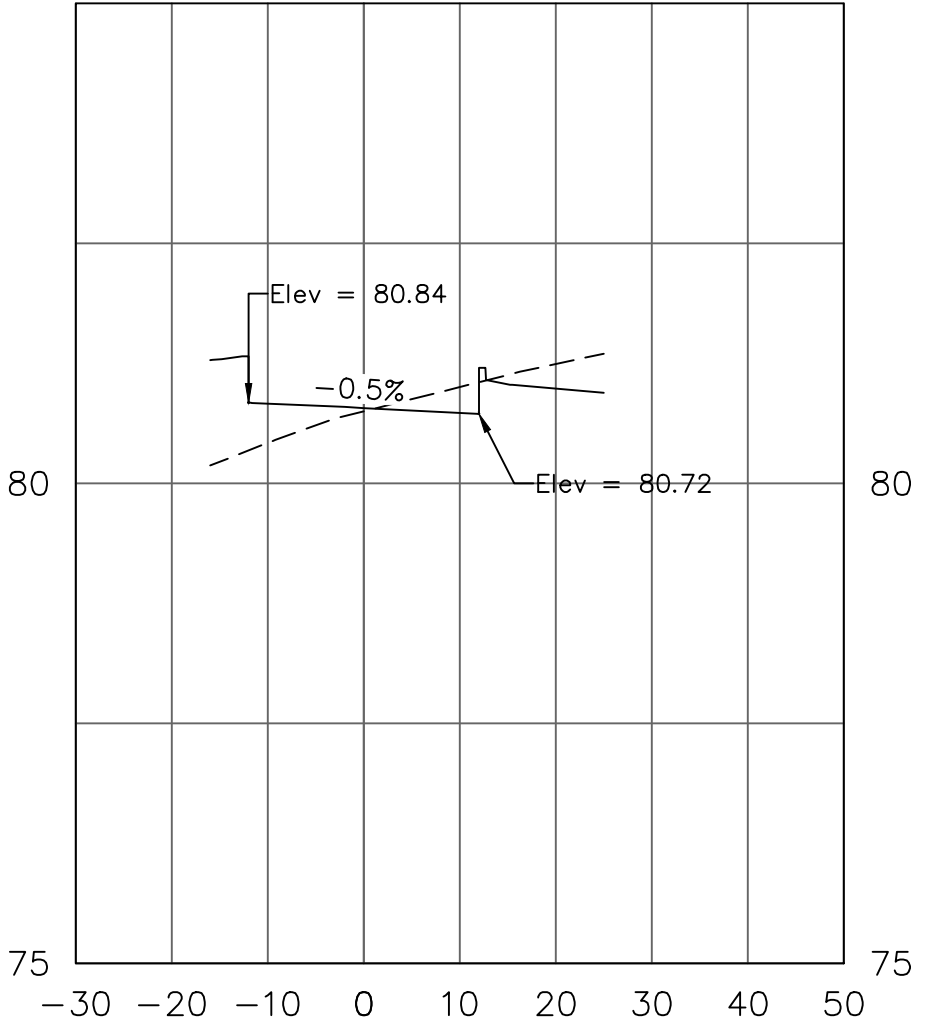
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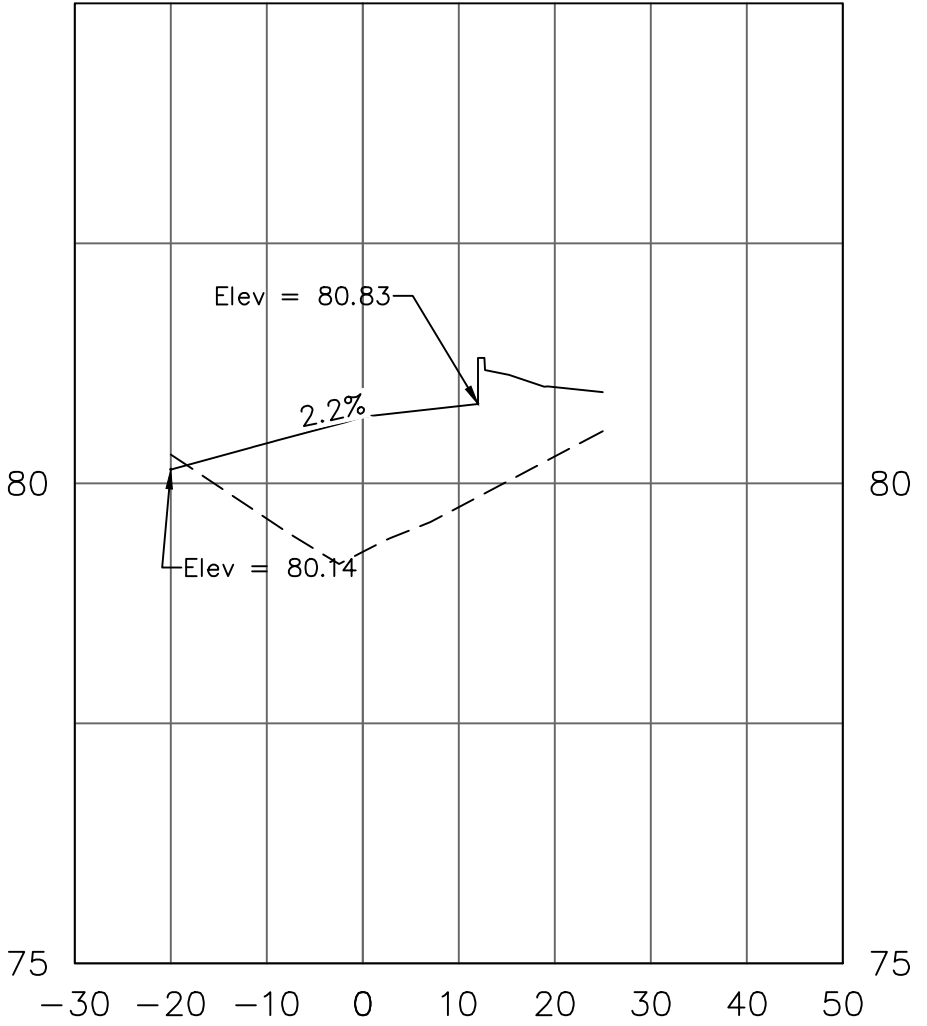
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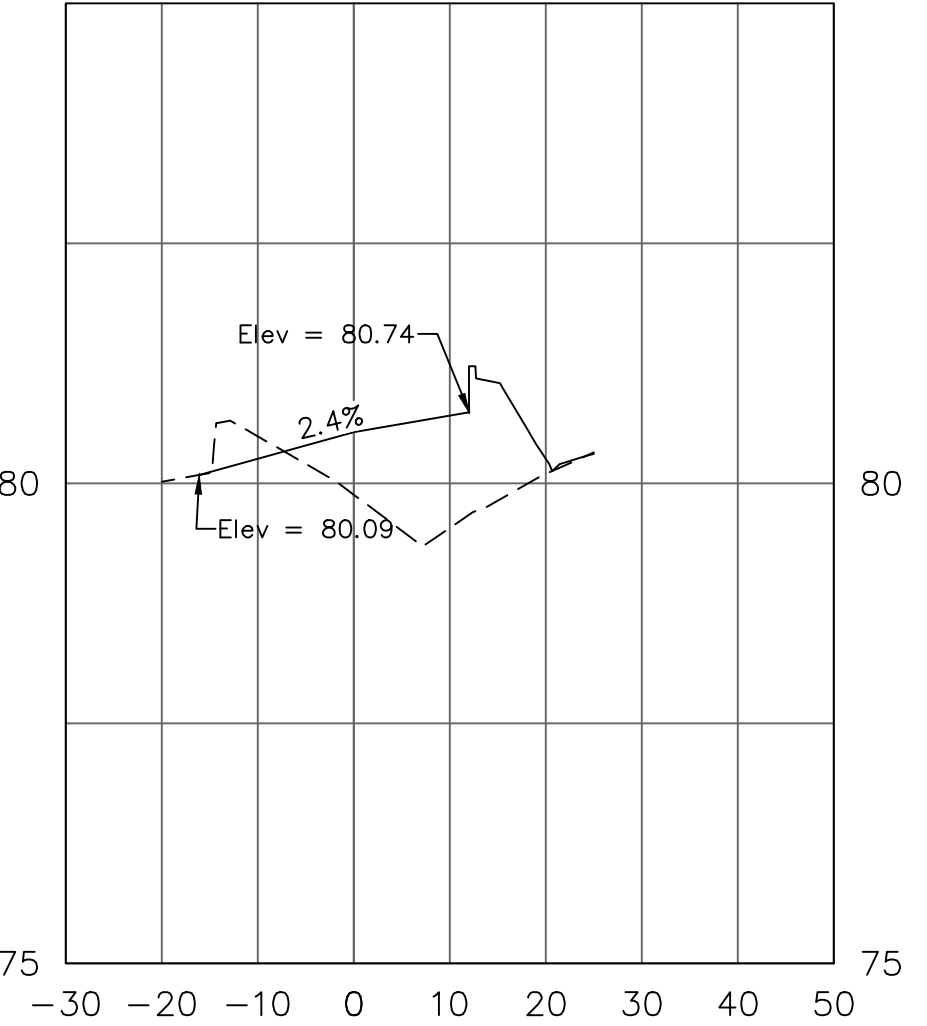
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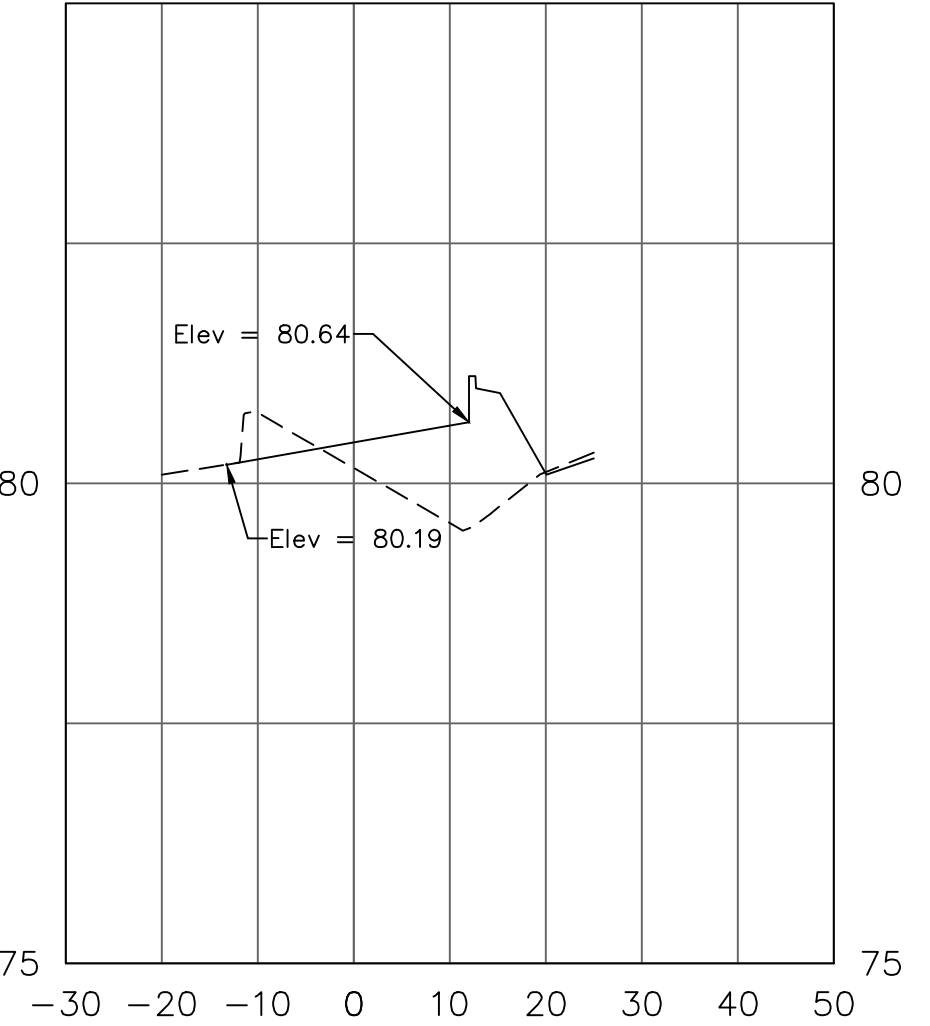
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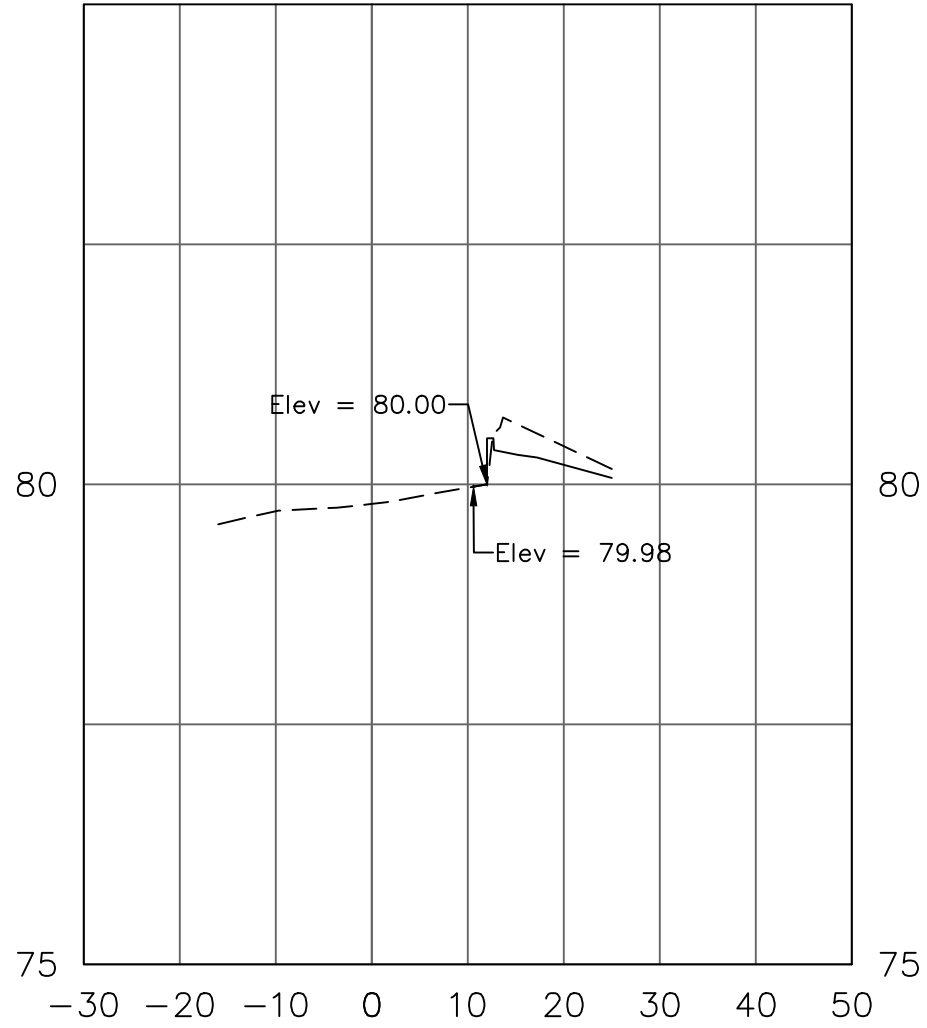
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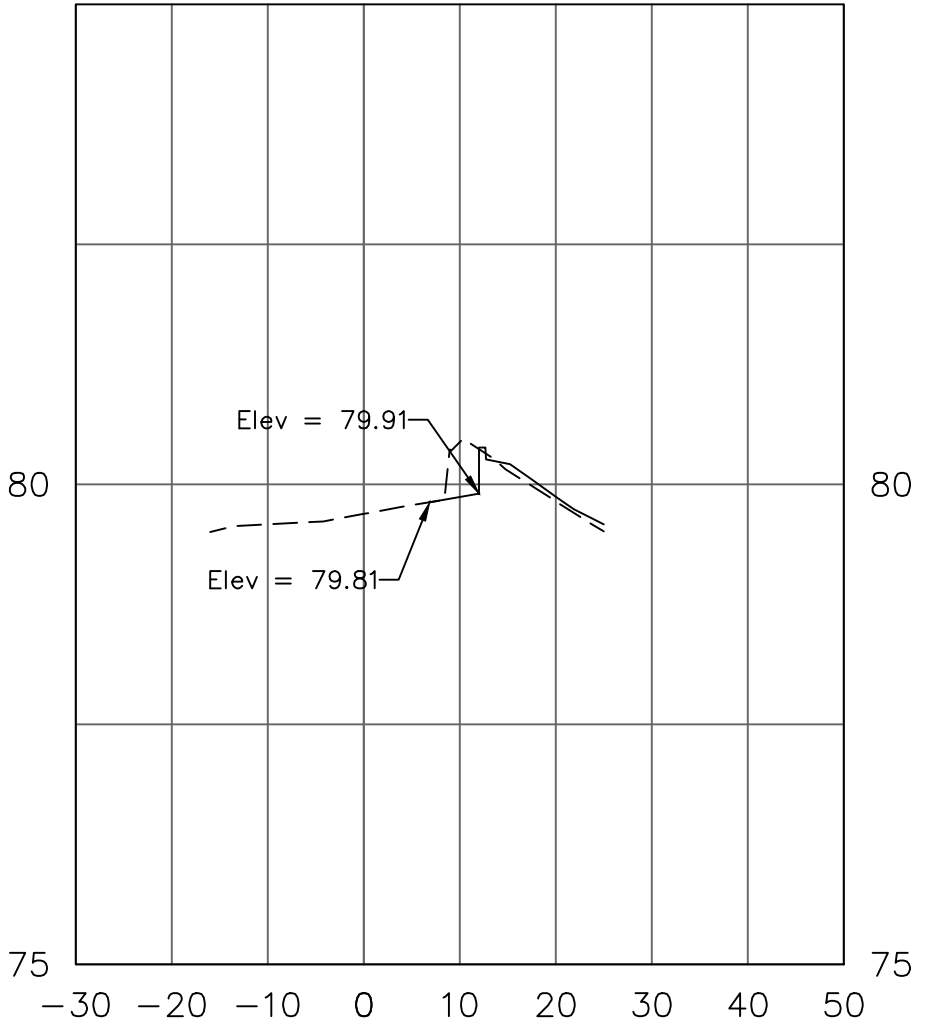
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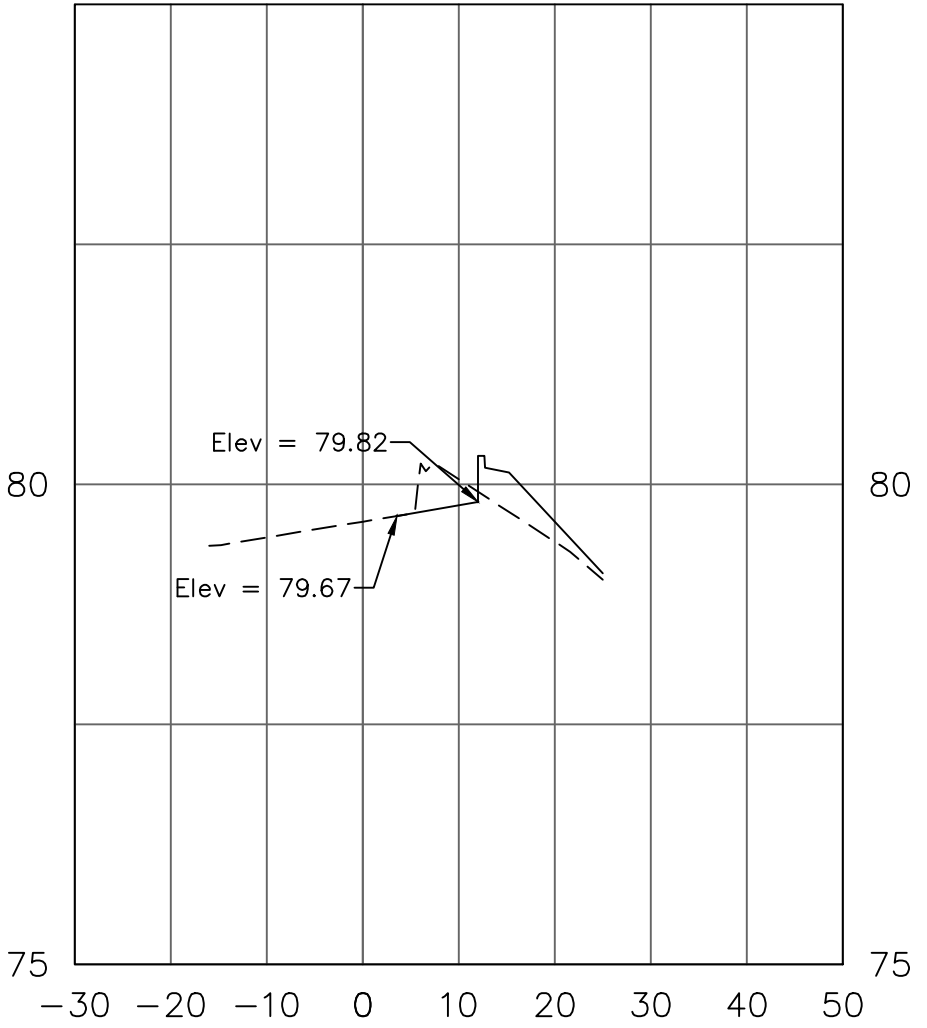
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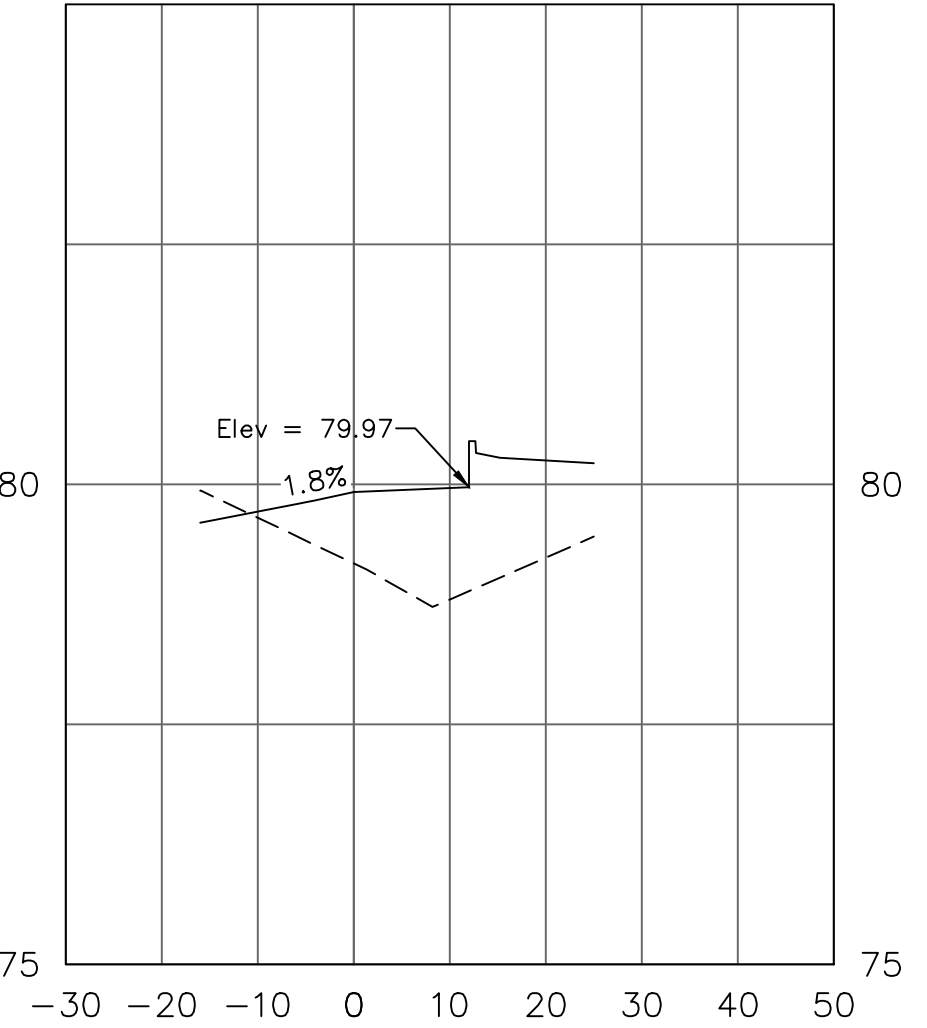
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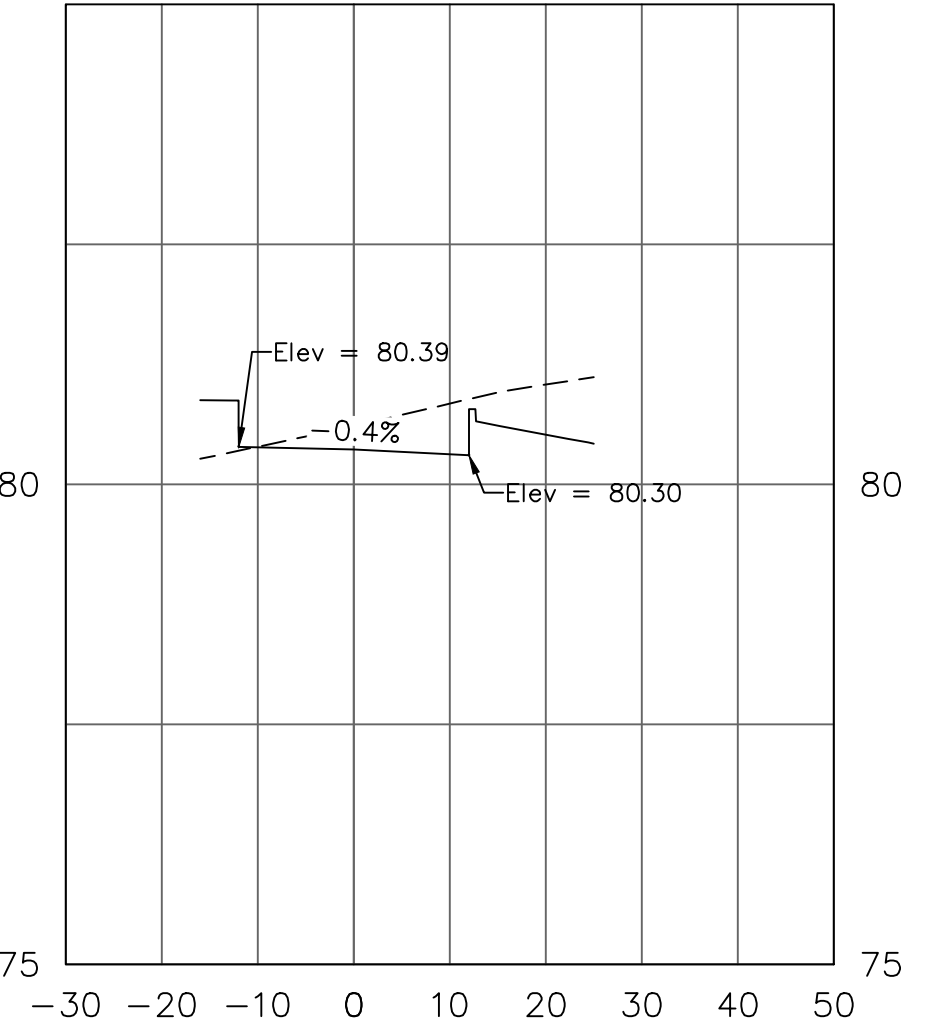
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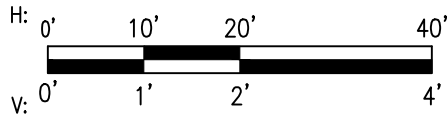
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STA. 601+50.00



STA. 602+00.00

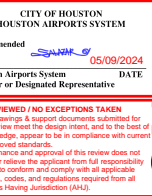


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT /
HOUSTON, TX

ATKINS

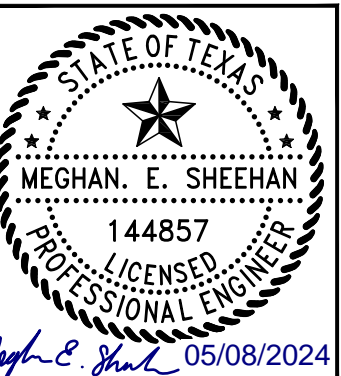
LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-9500
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
WILL CLAYTON WB TO EB U-TURN SECTIONS
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

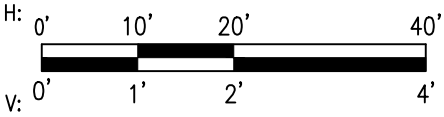
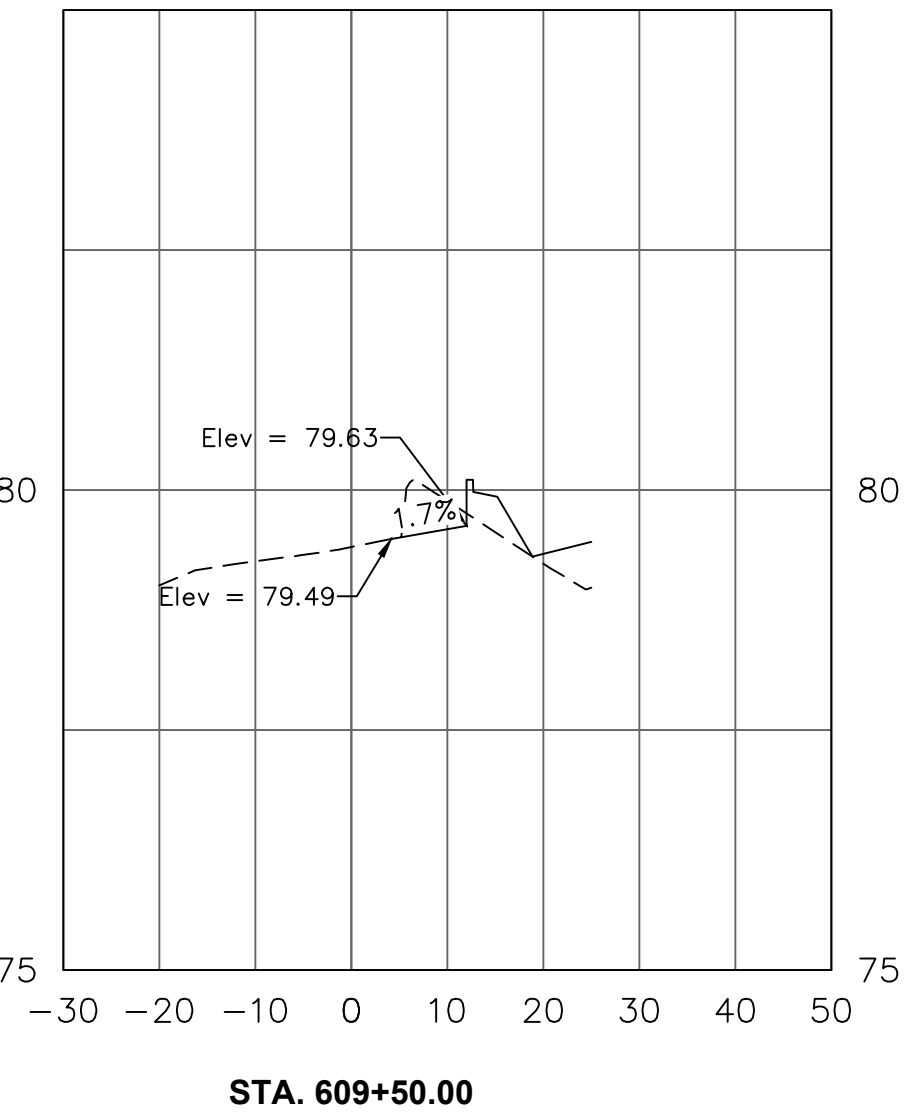
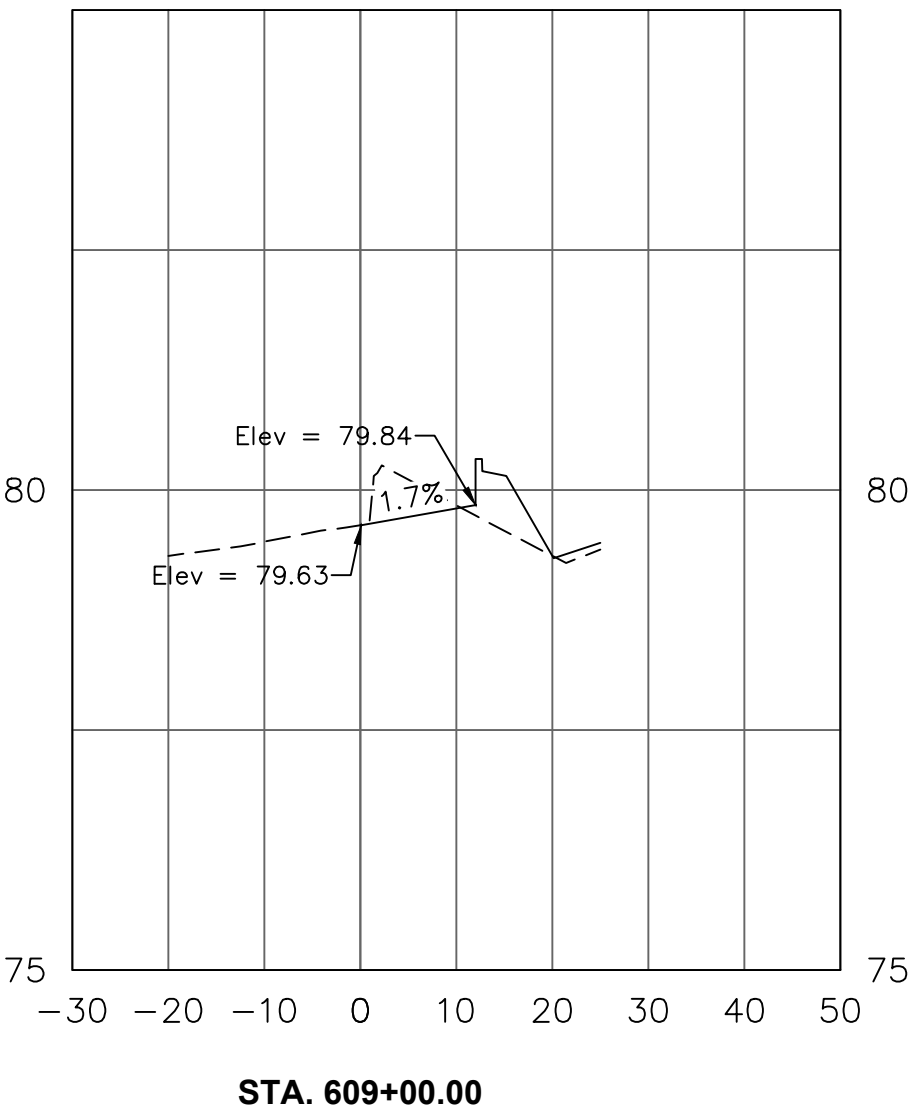
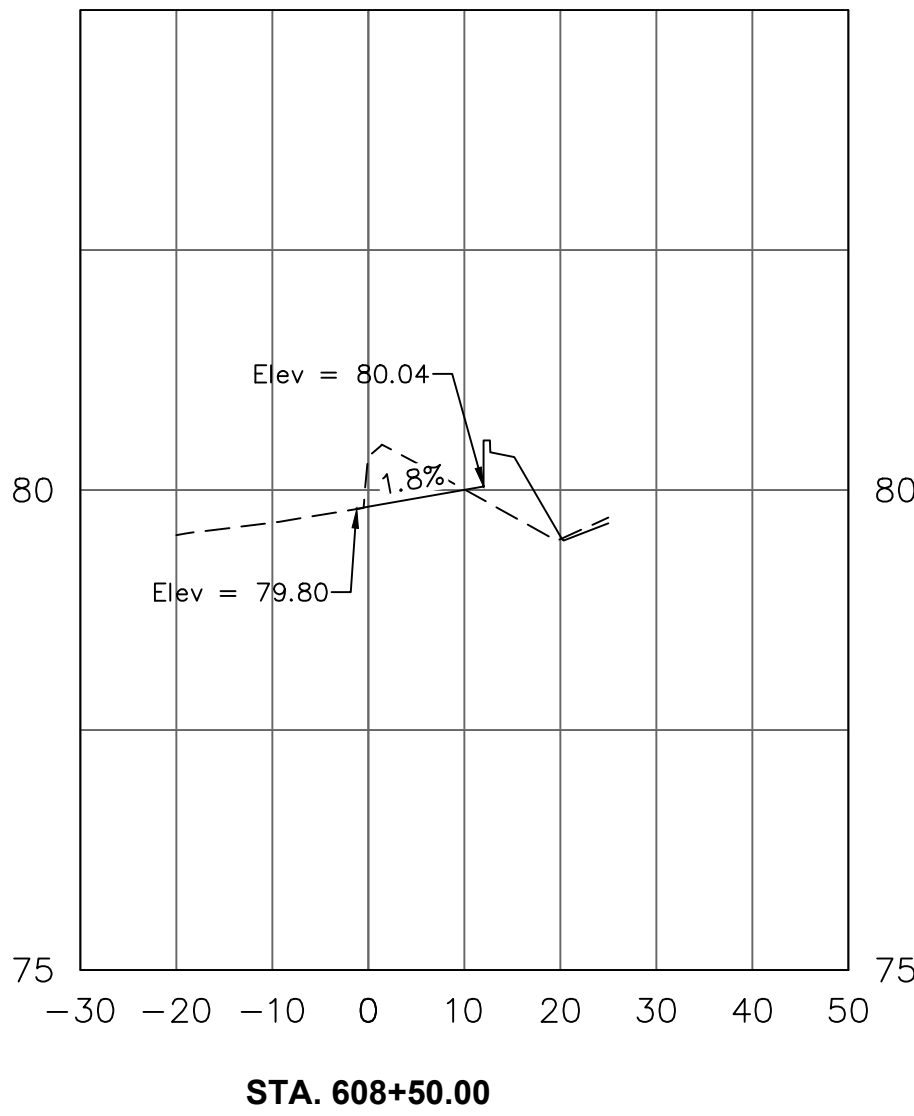
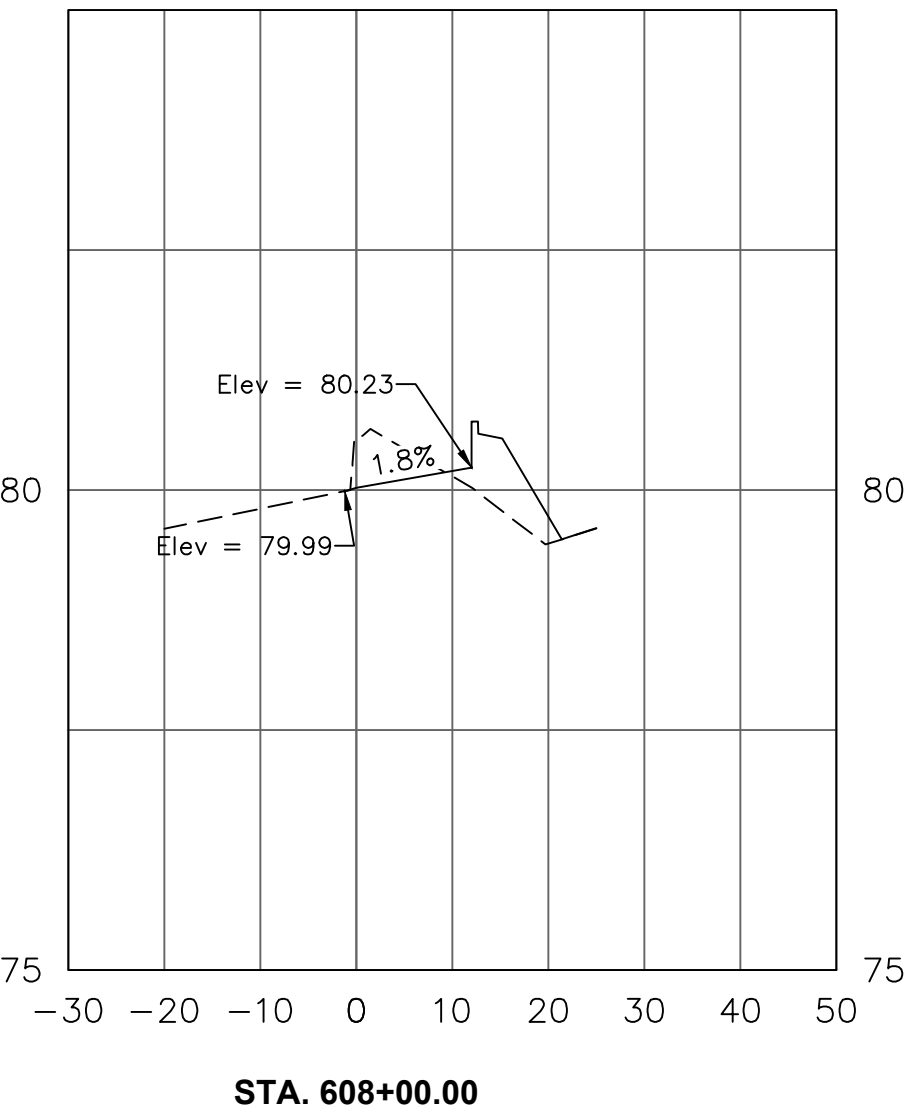
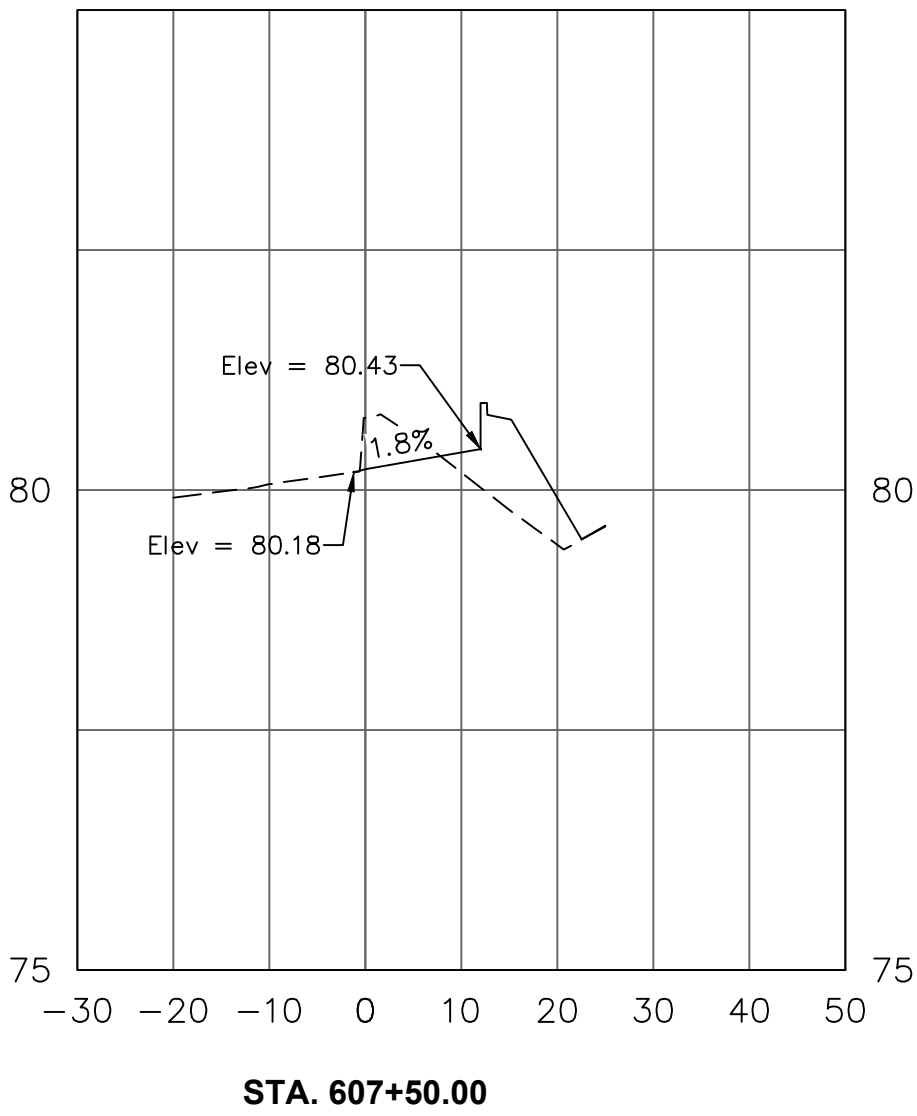
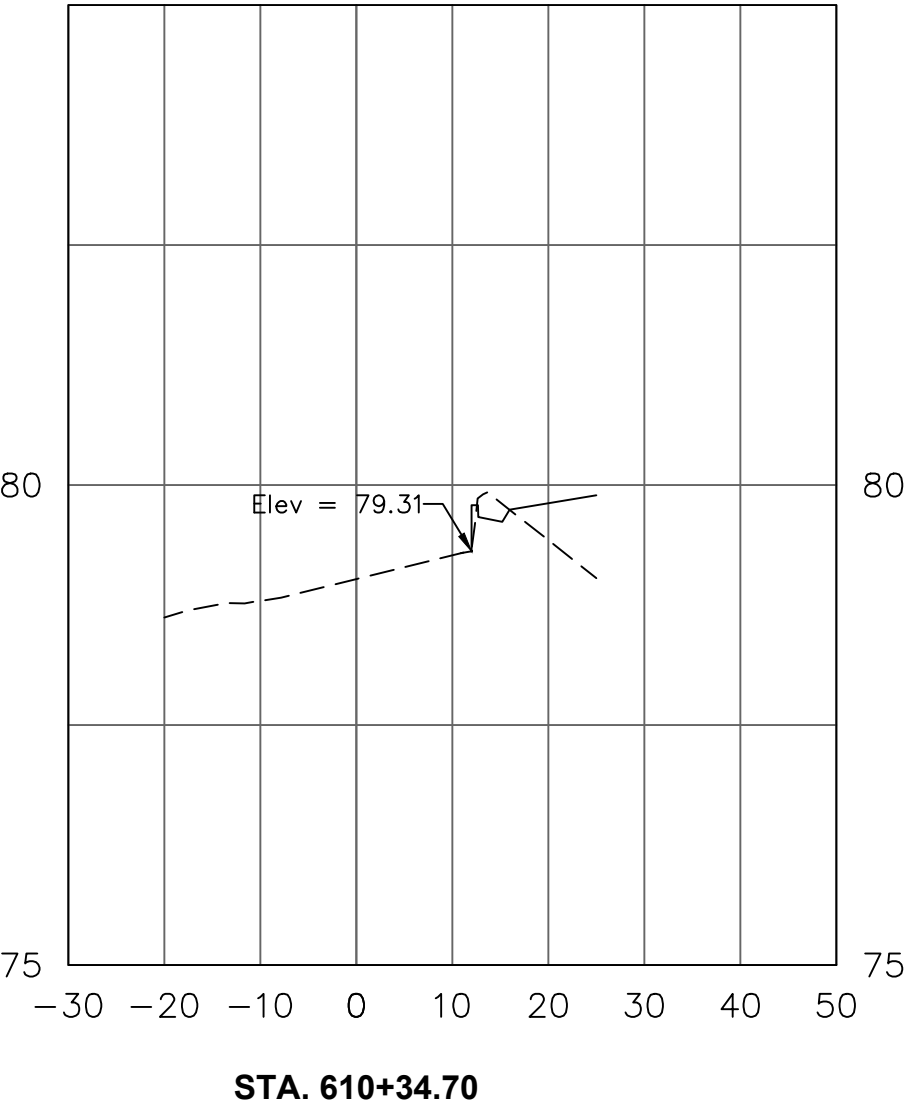
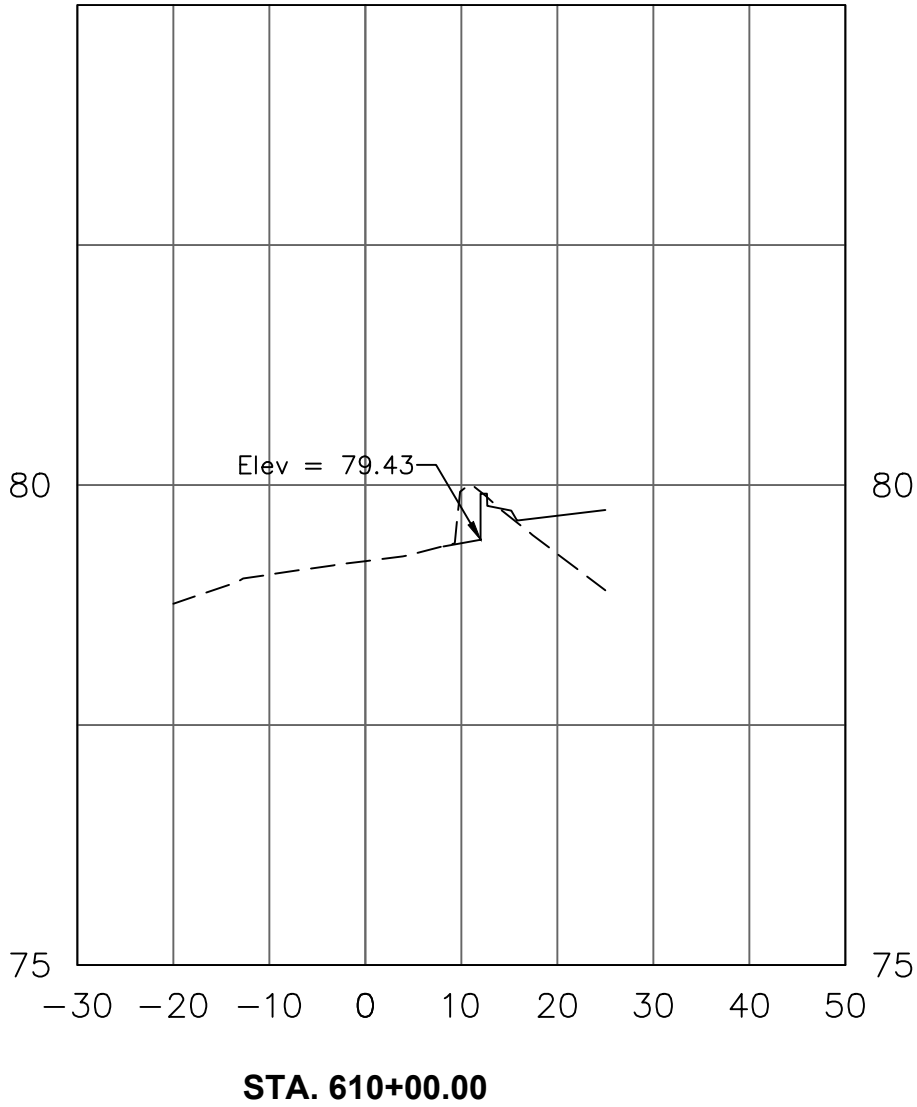


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DIRECTOR	HOUSTON AIRPORT SYSTEM

PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

CD-609

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PLOT DATE:2024-04-19





HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

LOCAL OFFICE:

920 MEMORIAL CITY WAY.

STE. 400

HOUSTON, TX 77024

TEL: (713) 576-9500

ATKINS NORTH

AMERICA PE FIRM REG.

#F-000474

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REVISIONS			
NO.	DESCRIPTION	DATE	BY

CITY OF HOUSTON
HOUSTON AIRPORT SYSTEM

HOUSTON AIRPORT SYSTEM
144857
LICENSED
PROFESSIONAL ENGINEER

MEGHAN E. SHEEHAN
05/08/2024

PROJECT NO.

100072032

A.I.P. NO.

C.I.P. NO.

H.A.S. NO.

935

SHEET NO.

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION

WILL CLAYTON WB TO EB U-TURN SECTIONS

ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

STATE OF TEXAS

MEGHAN E. SHEEHAN

144857

LICENSED

PROFESSIONAL ENGINEER

05/08/2024

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.

100072032

A.I.P. NO.

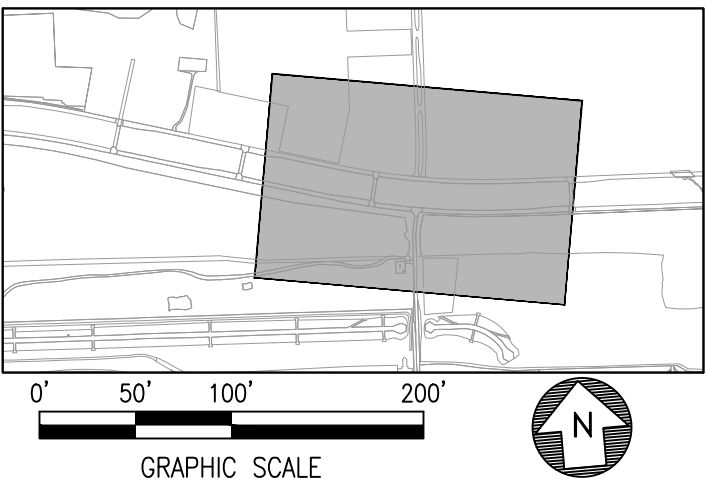
C.I.P. NO.

H.A.S. NO.

935

SHEET NO.

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PLOT DATE:2024-04-19



ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY,
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HOUSTON, TX 77024
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NO.	DESCRIPTION	DATE BY



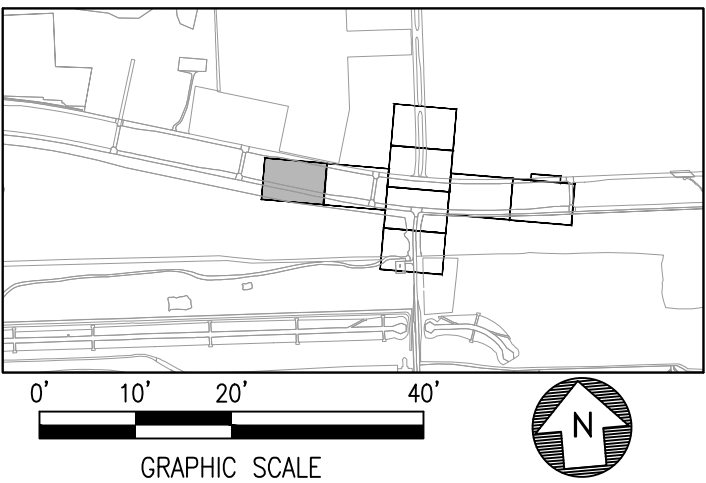
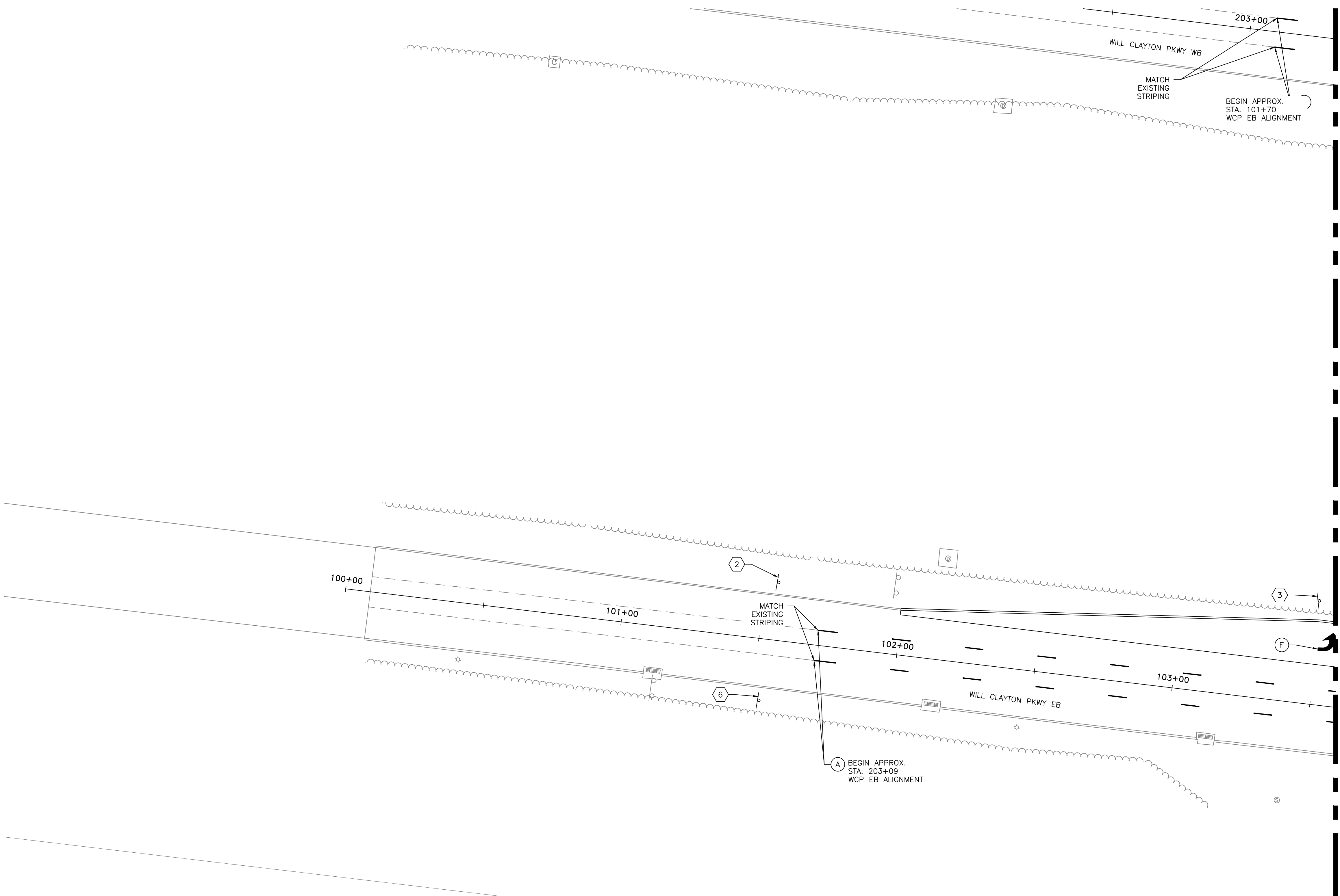
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
OVERALL SIGNAGE AND MARKINGS PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

HAS FILE:C:\PW\WORK\ATKIN\TX01\WSATKINS_LESL4438\DWG59378\1-0935-CM-101.DWG
PLOT DATE:2024-04-19



LEGEND		
(A)	PAV MRK (W) 4" BRK W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 40'	PROPOSED SMALL ROAD SIGN
(B)	PAV MRK (Y) 4" DBL SLD W/ RAIS PAV MRKR (TY II-A-A) SPACED @ 20'	(XX) SIGN NO., SEE SHEET CM-601
(C)	PAV MRK (W) 6" SLD W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 20'	
(D)	PAV MRK (W) 12" SLD	
(E)	PAV MRK (W) 24" SLD	
(F)	PAV MRK (W) ARROW	
(G)	PAV MRK (W) WORD	
(H)	YIELD TRIANGLE	
(I)	PAV MRK (W) 6" GAP	

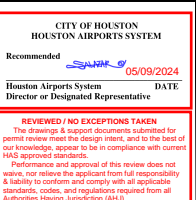


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX



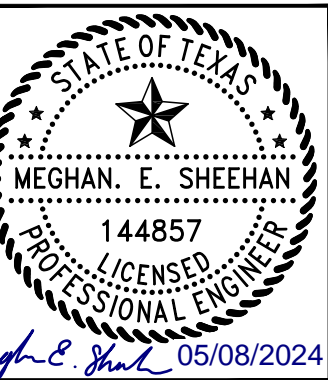
LOCAL OFFICE:
920 MEMORIAL CITY WAY.
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
SIGNAGE AND MARKINGS PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



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DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. _____
100072032
A.I.P. NO. _____
C.I.P. NO. _____
H.A.S. NO. _____
935
SHEET NO. _____

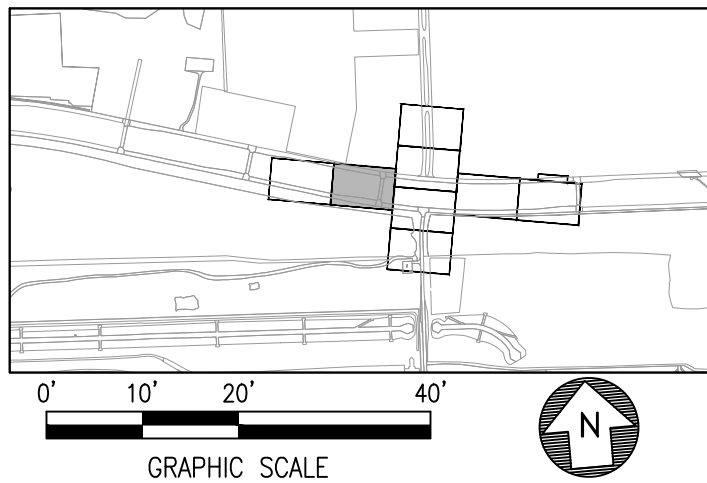
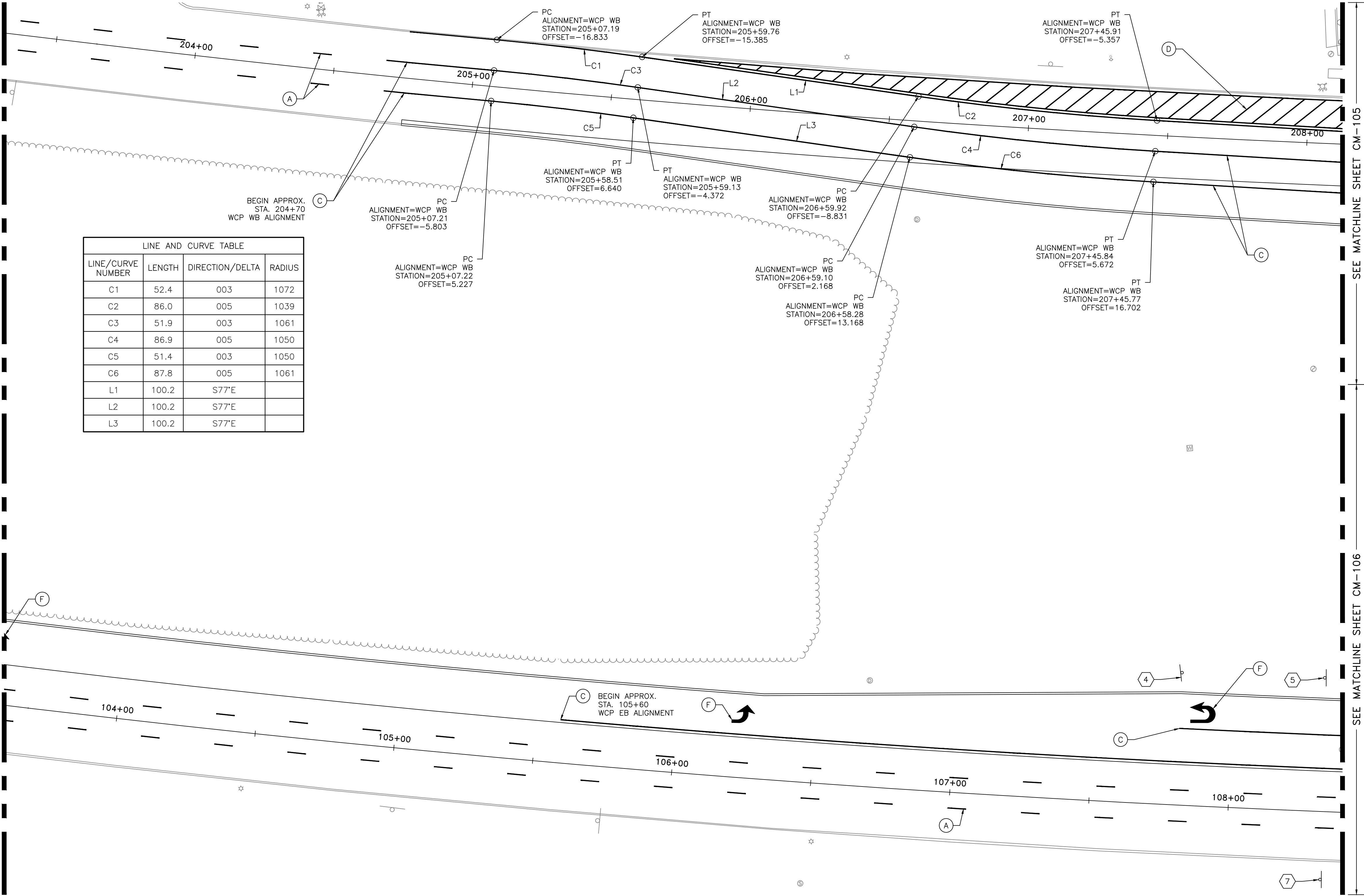
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PLOT DATE: 2024-04-19


SEE MATCHLINE SHEET CM-102

SEE MATCHLINE SHEET CM-106

LINE AND CURVE TABLE			
LINE/CURVE NUMBER	LENGTH	DIRECTION/DELTA	RADIUS
C1	52.4	003	1072
C2	86.0	005	1039
C3	51.9	003	1061
C4	86.9	005	1050
C5	51.4	003	1050
C6	87.8	005	1061
L1	100.2	S77°E	
L2	100.2	S77°E	
L3	100.2	S77°E	

LEGEND		
(A)	PAV MRK (W) 4" BRK W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 40'	PROPOSED SMALL ROAD SIGN
(B)	PAV MRK (Y) 4" DBL SLD W/ RAIS PAV MRKR (TY II-A-A) SPACED @ 20'	(XX) SIGN NO., SEE SHEET CM-601
(C)	PAV MRK (W) 6" SLD W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 20'	
(D)	PAV MRK (W) 12" SLD	
(E)	PAV MRK (W) 24" SLD	
(F)	PAV MRK (W) ARROW	
(G)	PAV MRK (W) WORD	
(H)	YIELD TRIANGLE	
(I)	PAV MRK (W) 6" GAP	






HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX



LOCAL OFFICE:
920 MEMORIAL CITY WAY.
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
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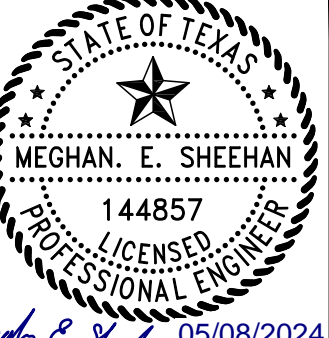
REVISIONS		
NO.	DESCRIPTION	DATE BY



STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
SIGNAGE AND MARKINGS PLAN**
ISSUED FOR PERMIT



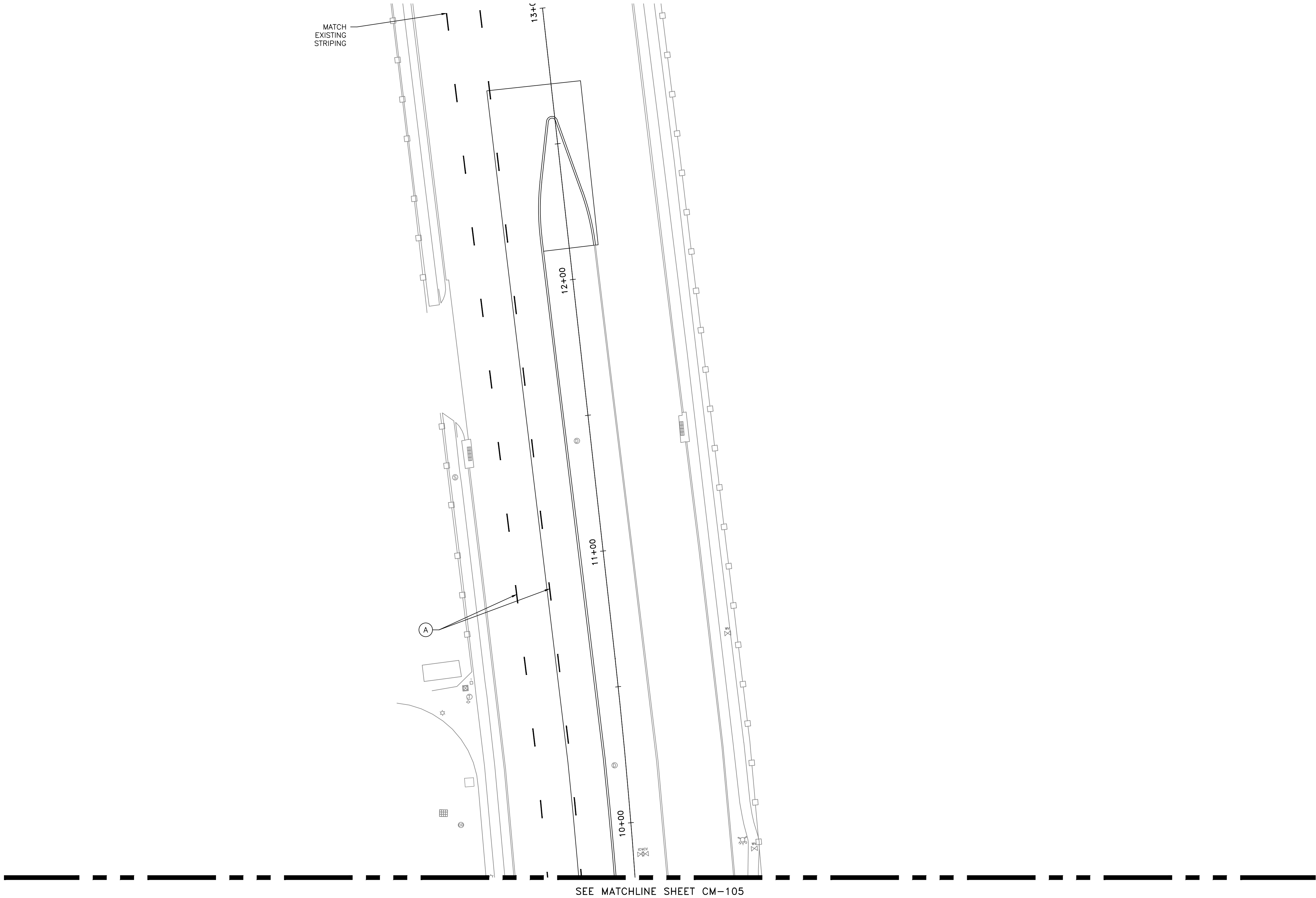
STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

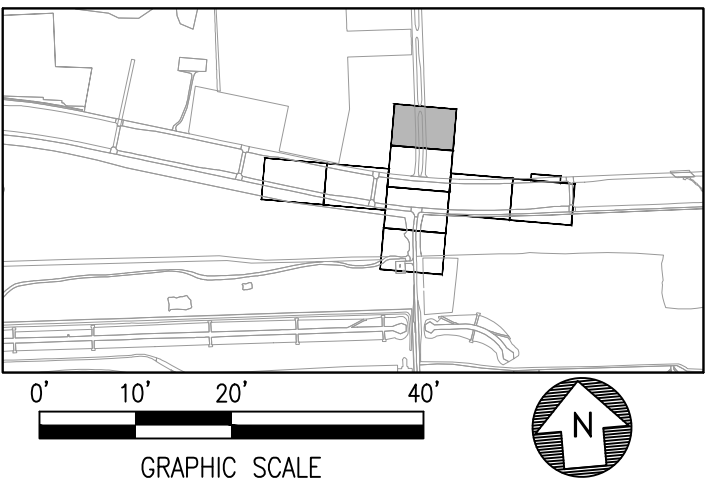
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PLOT DATE:2024-04-19



SEE MATCHLINE SHEET CM-105

LEGEND

- | | | | |
|-----|--|----|----------------------------|
| (A) | PAV MRK (W) 4" BRK W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 40' | ↓ | PROPOSED SMALL ROAD SIGN |
| (B) | PAV MRK (Y) 4" DBL SLD W/ RAIS PAV MRKR (TY II-A-A) SPACED @ 20' | XX | SIGN NO., SEE SHEET CM-601 |
| (C) | PAV MRK (W) 6" SLD W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 20' | | |
| (D) | PAV MRK (W) 12" SLD | | |
| (E) | PAV MRK (W) 24" SLD | | |
| (F) | PAV MRK (W) ARROW | | |
| (G) | PAV MRK (W) WORD | | |
| (H) | YIELD TRIANGLE | | |
| (I) | PAV MRK (W) 6" GAP | | |



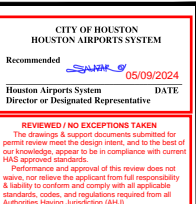


HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX



LOCAL OFFICE:
920 MEMORIAL CITY WAY,
STE. 400
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TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
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REVISIONS		
NO.	DESCRIPTION	DATE BY



STATE OF TEXAS
MEGHAN. E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
SIGNAGE AND MARKINGS PLAN**
ISSUED FOR PERMIT

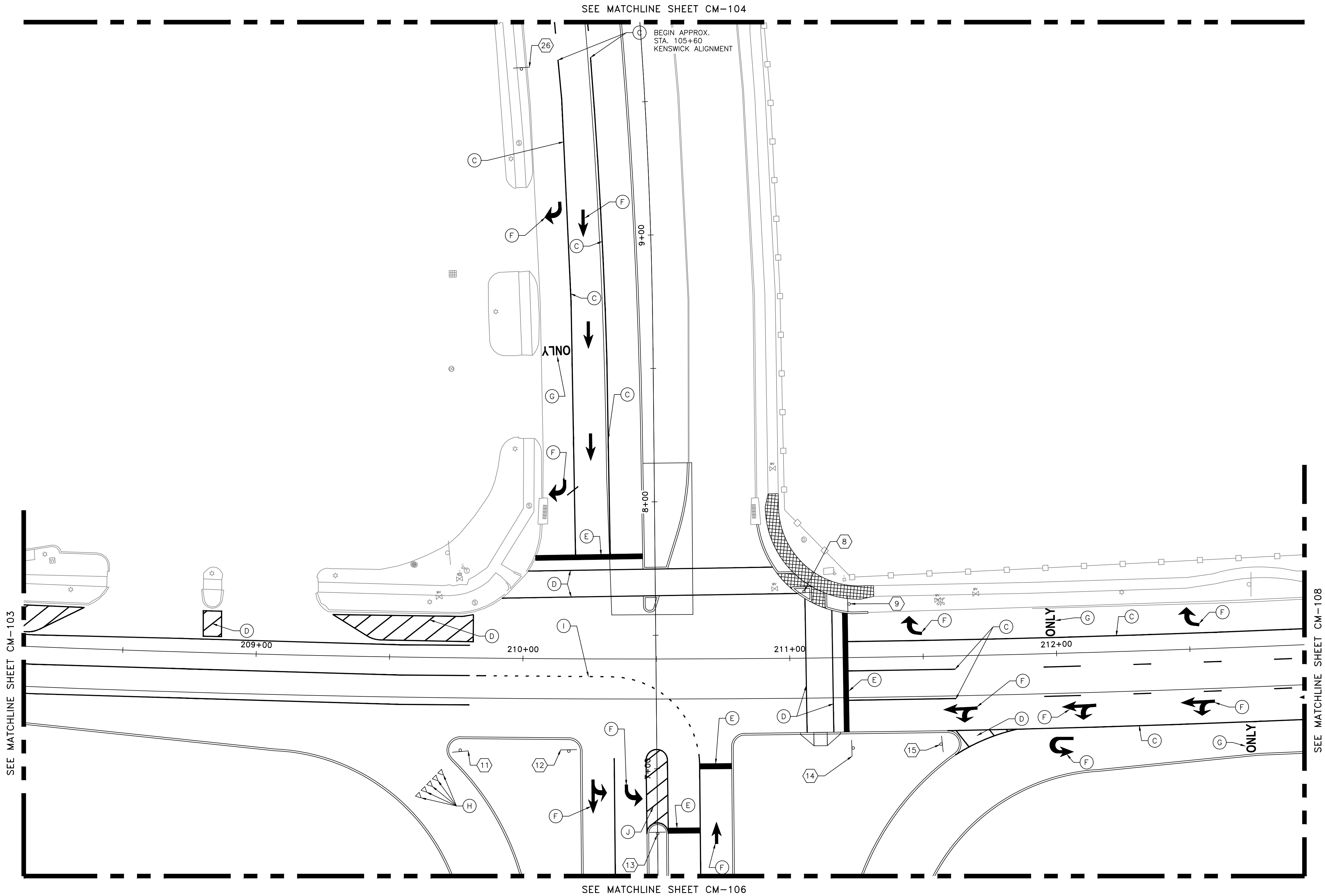
PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



STATE OF TEXAS
MEGHAN. E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

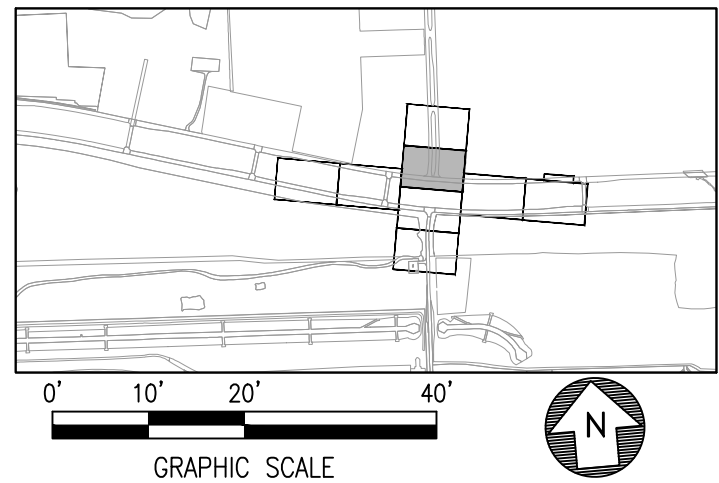
APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

HAS FILE:C:\PW\WORK\ATKIN\TX01\WSATKINS_LESL4438\DWG59378\1-0935-CM-101.DWG
PLOT DATE: 2024-05-02



LEGEND

- | | | | |
|-----|--|-----|----------------------------|
| (A) | PAV MRK (W) 4" BRK W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 40' | ↓ | PROPOSED SMALL ROAD SIGN |
| (B) | PAV MRK (Y) 4" DBL SLD W/ RAIS PAV MRKR (TY II-A-A) SPACED @ 20' | XX | SIGN NO., SEE SHEET CM-601 |
| (C) | PAV MRK (W) 6" SLD W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 20' | (J) | PAV MRK (Y) 12" SLD |
| (D) | PAV MRK (W) 12" SLD | (K) | PAV MRK (DBL Y) 6" GAP |
| (E) | PAV MRK (W) 24" SLD | | |
| (F) | PAV MRK (W) ARROW | | |
| (G) | PAV MRK (W) WORD | | |
| (H) | YIELD TRIANGLE | | |
| (I) | PAV MRK (W) 6" GAP | | |



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

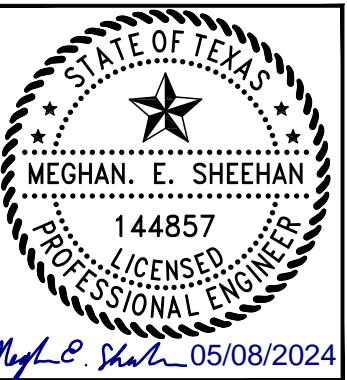
ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY.
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
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NO.	DESCRIPTION	DATE	BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
SIGNAGE AND MARKINGS PLAN**
ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



APPROVED BY:

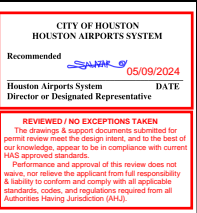
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

CM-105

LOCAL OFFICE:
220 MEMORIAL CITY WAY
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474

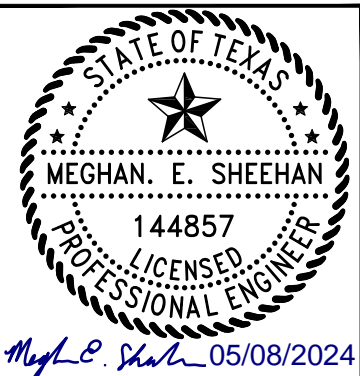
REVISIONS			
NO.	DESCRIPTION	DATE	BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

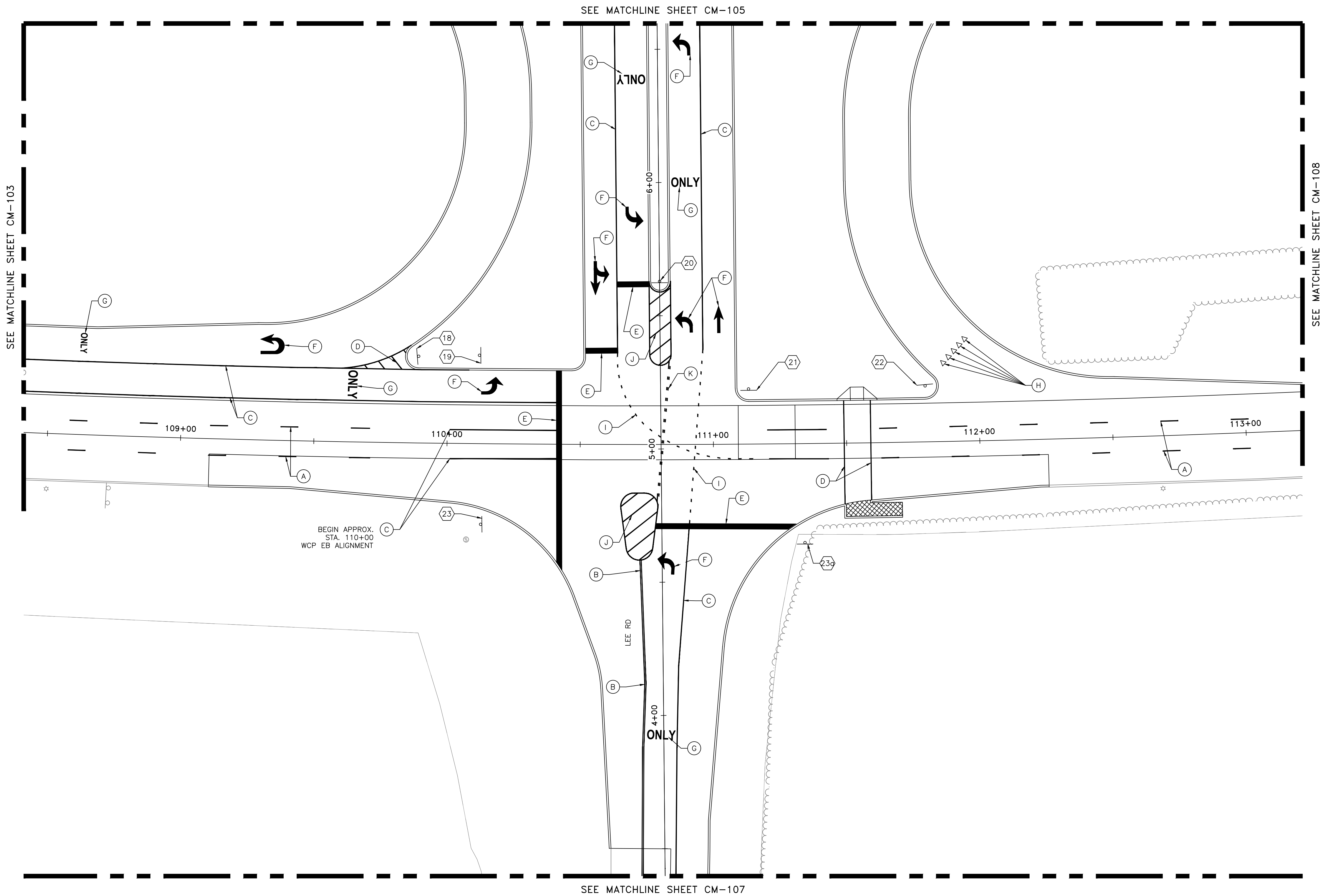


APPROVED BY:





DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.	
100072032	
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	
935	
SHEET NO.	

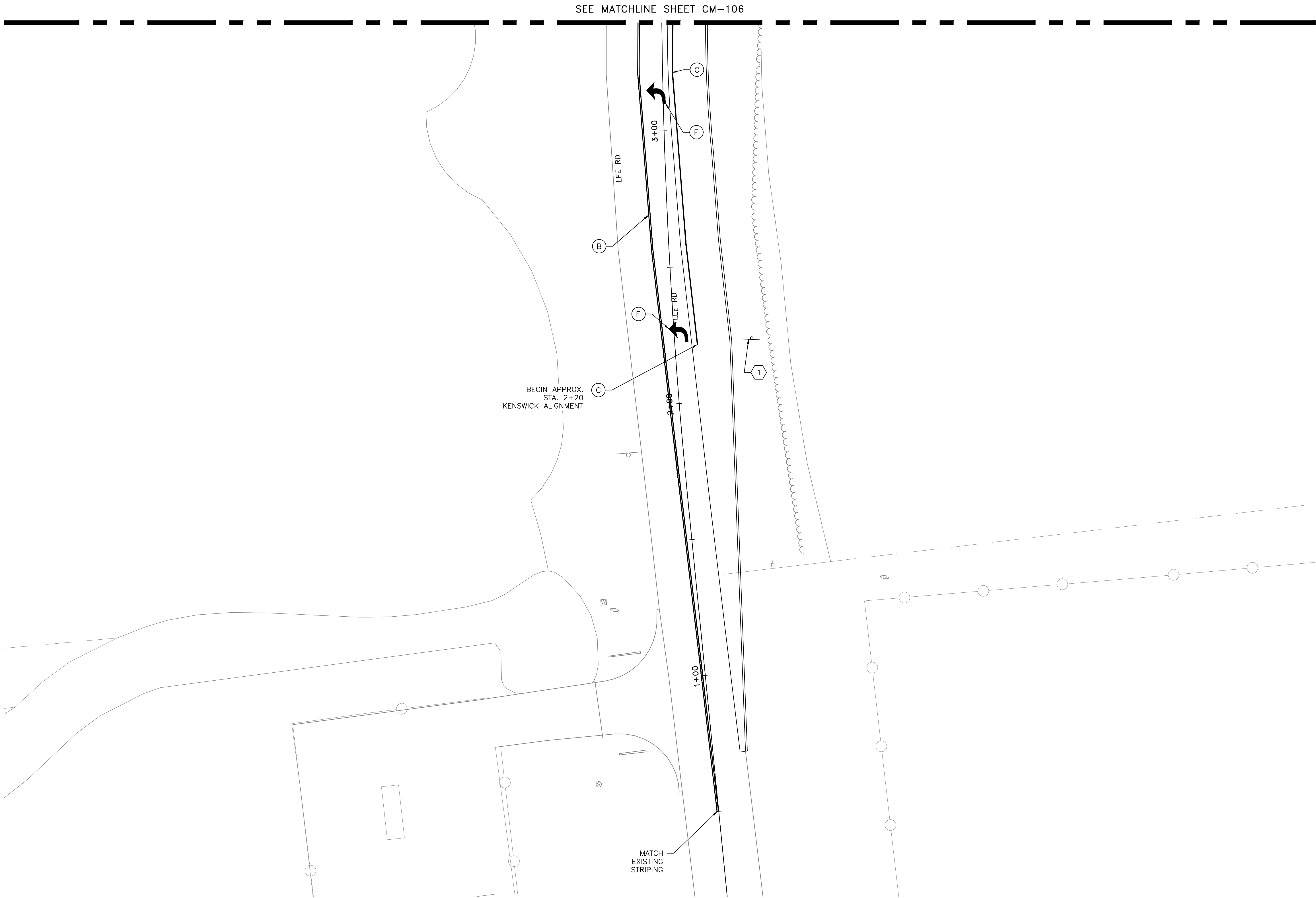
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PLOT DATE: 2024-05-02



LEGEND

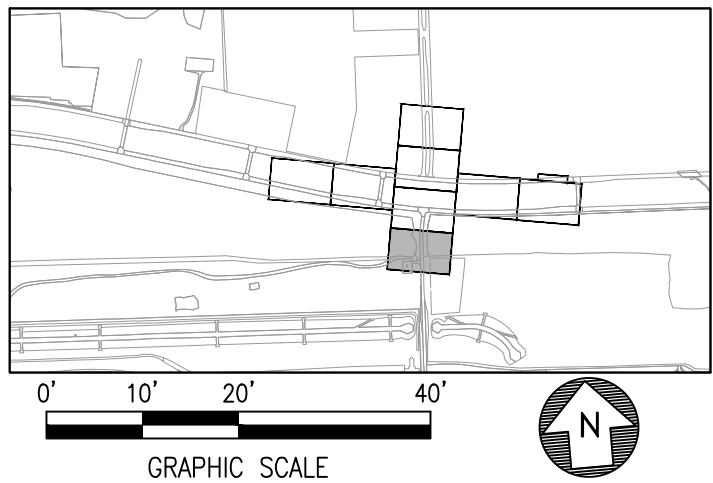
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|-----|--|---|----------------------------|
| (A) | PAV MRK (W) 4" BRK W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 40' |  | PROPOSED SMALL ROAD SIGN |
| (B) | PAV MRK (Y) 4" DBL SLD W/ RAIS PAV MRKR (TY II-A-A) SPACED @ 20' |  | SIGN NO., SEE SHEET CM-601 |
| (C) | PAV MRK (W) 6" SLD W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 20' |  | PAV MRK (Y) 12" SLD |
| (D) | PAV MRK (W) 12" SLD |  | PAV MRK (DBL Y) 6" GAP |
| (E) | PAV MRK (W) 24" SLD | | |
| (F) | PAV MRK (W) ARROW | | |
| (G) | PAV MRK (W) WORD | | |
| (H) | YIELD TRIANGLE | | |
| (I) | PAV MRK (W) 6" GAP | | |

HAS FILE:C:\PW\WORK\ATKIN\X01\WSATKINS_LESL4438\DWG59378\1-0935-CM-101.DWG
PLOT DATE: 2024-04-19



LEGEND

- | | | | |
|-----|--|----|----------------------------|
| (A) | PAV MRK (W) 4" BRK W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 40' | ↓ | PROPOSED SMALL ROAD SIGN |
| (B) | PAV MRK (Y) 4" DBL SLD W/ RAIS PAV MRKR (TY II-A-A) SPACED @ 20' | XX | SIGN NO., SEE SHEET CM-601 |
| (C) | PAV MRK (W) 6" SLD W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 20' | | |
| (D) | PAV MRK (W) 12" SLD | | |
| (E) | PAV MRK (W) 24" SLD | | |
| (F) | PAV MRK (W) ARROW | | |
| (G) | PAV MRK (W) WORD | | |
| (H) | YIELD TRIANGLE | | |
| (I) | PAV MRK (W) 6" GAP | | |



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

LOCAL OFFICE:
920 MEMORIAL CITY WAY.
STE. 400
HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS		
NO.	DESCRIPTION	DATE BY

STATE OF TEXAS
HOUSTON AIRPORT SYSTEM
Kenswick Drive Extension
Project # 144857
05/08/2024

MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER

05/08/2024

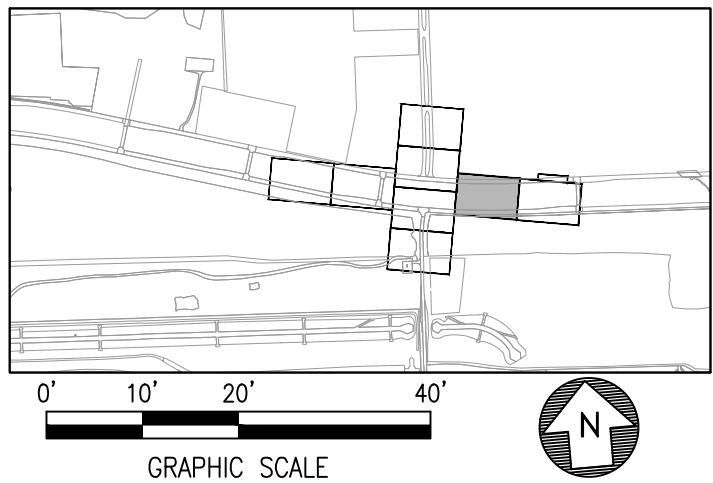
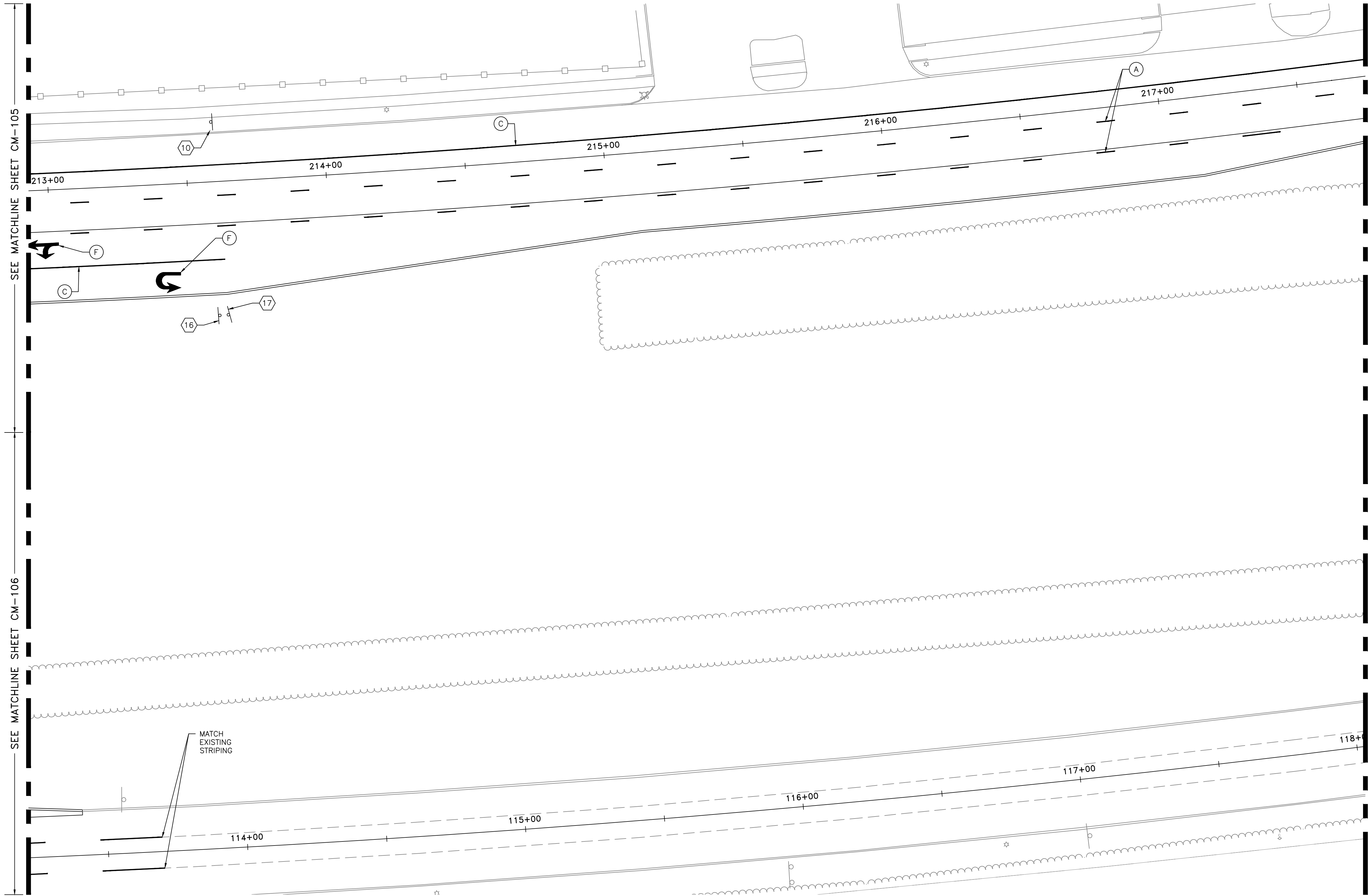
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
SIGNAGE AND MARKINGS PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

HAS FILE:C:\PW\WORK\ATKIN\TX01\WSATKINS_LESL4438\DWG59378\1-0935-CM-101.DWG
PLOT DATE:2024-04-19



LEGEND		
(A)	PAV MRK (W) 4" BRK W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 40'	PROPOSED SMALL ROAD SIGN
(B)	PAV MRK (Y) 4" DBL SLD W/ RAIS PAV MRKR (TY II-A-A) SPACED @ 20'	(XX) SIGN NO., SEE SHEET CM-601
(C)	PAV MRK (W) 6" SLD W/ RAIS PAV MRKR (TY II-C-R) SPACED @ 20'	
(D)	PAV MRK (W) 12" SLD	
(E)	PAV MRK (W) 24" SLD	
(F)	PAV MRK (W) ARROW	
(G)	PAV MRK (W) WORD	
(H)	YIELD TRIANGLE	
(I)	PAV MRK (W) 6" GAP	

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**KENSWICK DRIVE EXTENSION
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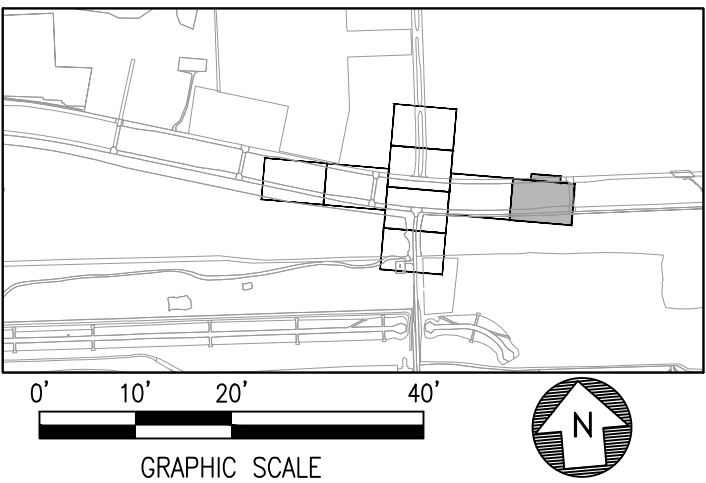


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PLOT DATE:2024-04-19

SEE MATCHLINE SHEET CM-108

SEE INSET MATCHLINE THIS SHEET



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

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STATE OF TEXAS
HOUSTON AIRPORT SYSTEM
Project No. 144857
05/08/2024

**GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
SIGNAGE AND MARKINGS PLAN**

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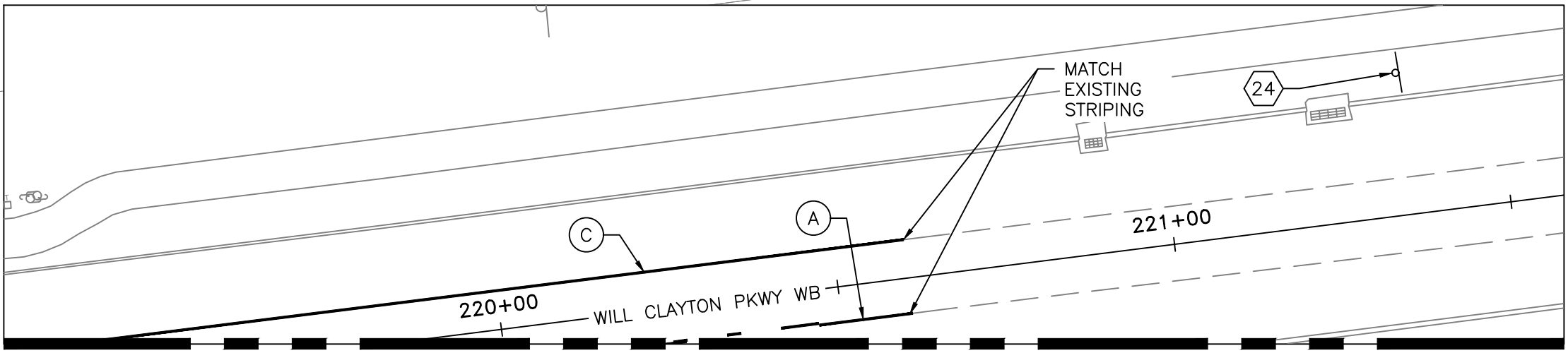


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DIRECTOR HOUSTON AIRPORT SYSTEM	



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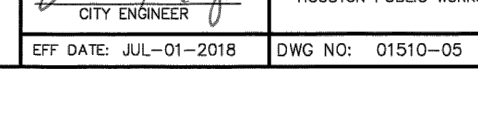
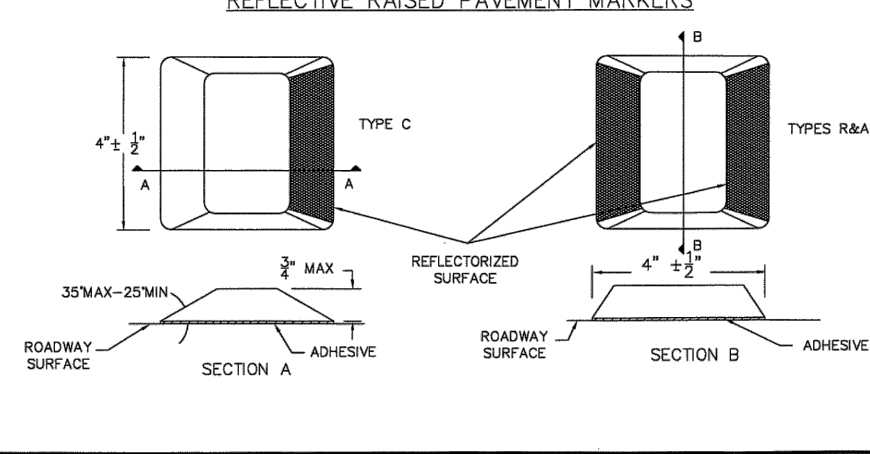
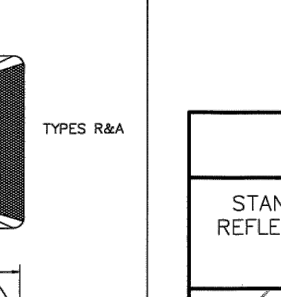
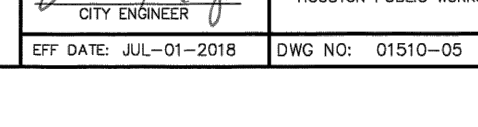
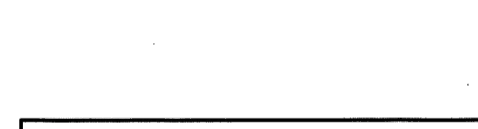
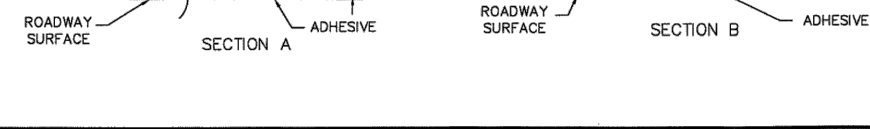
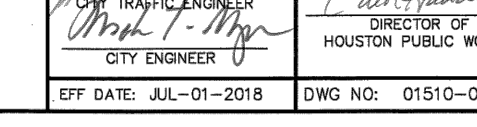
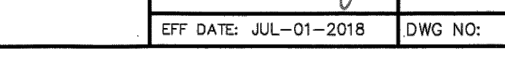
CM-109

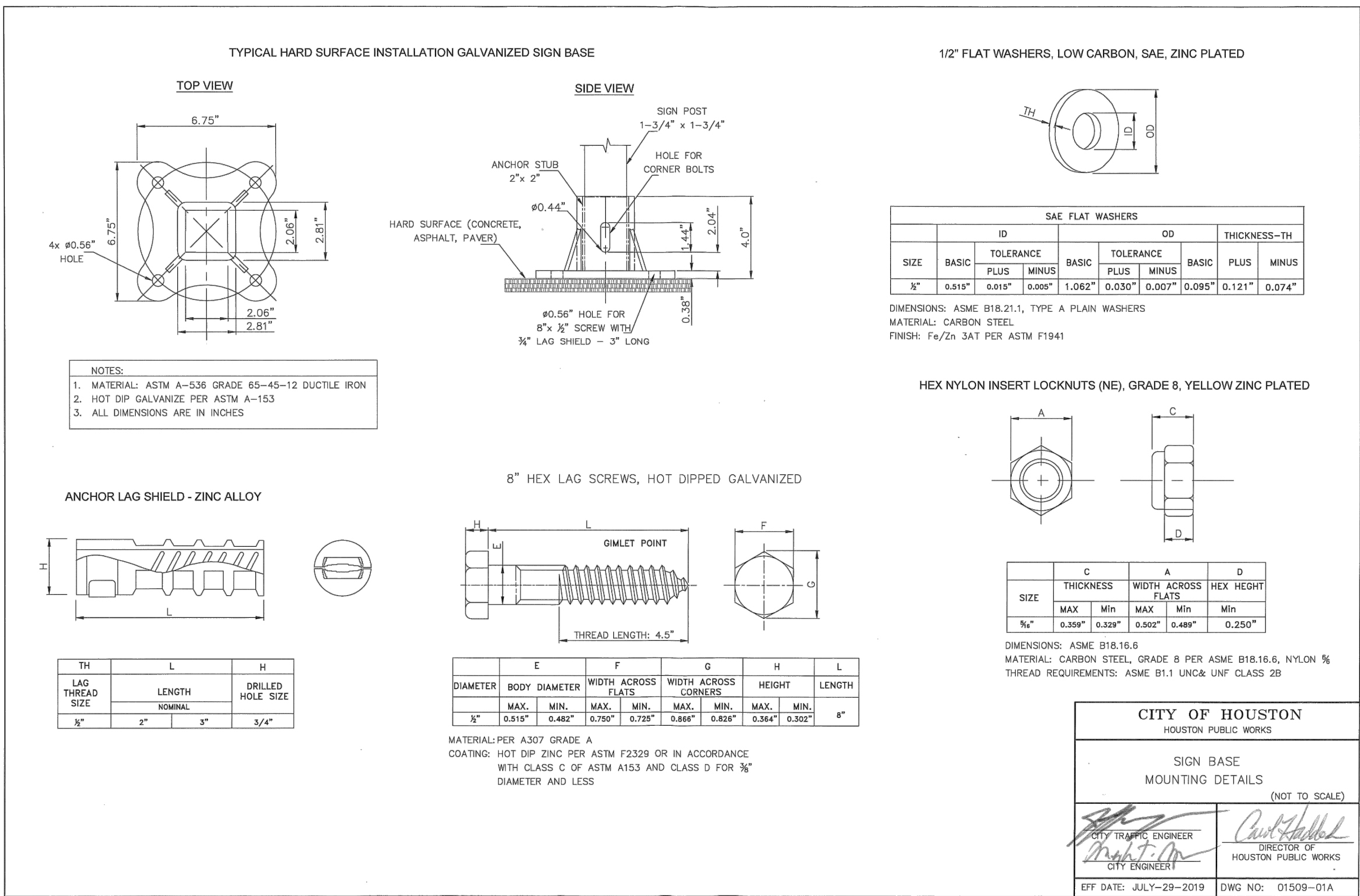
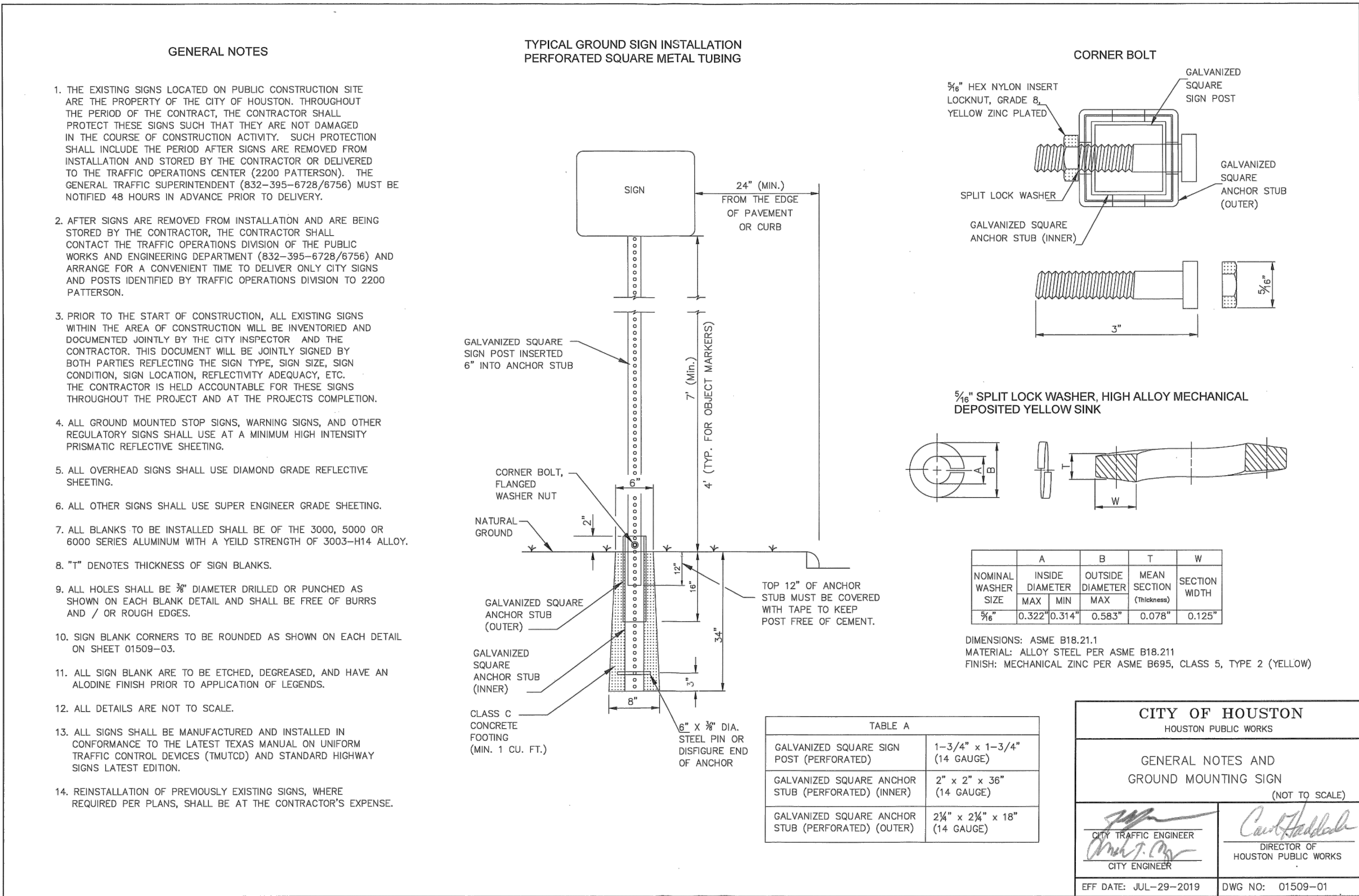
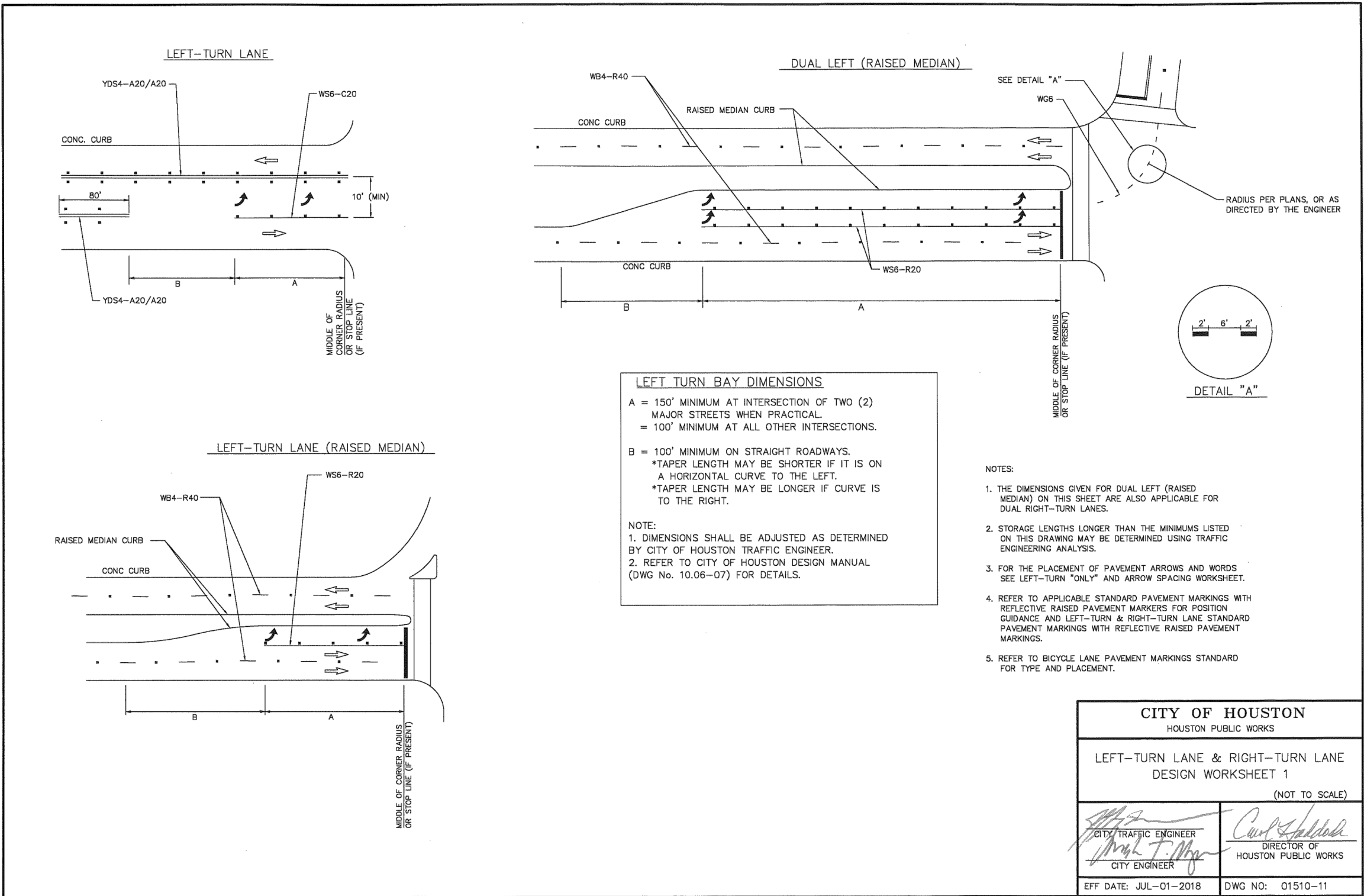
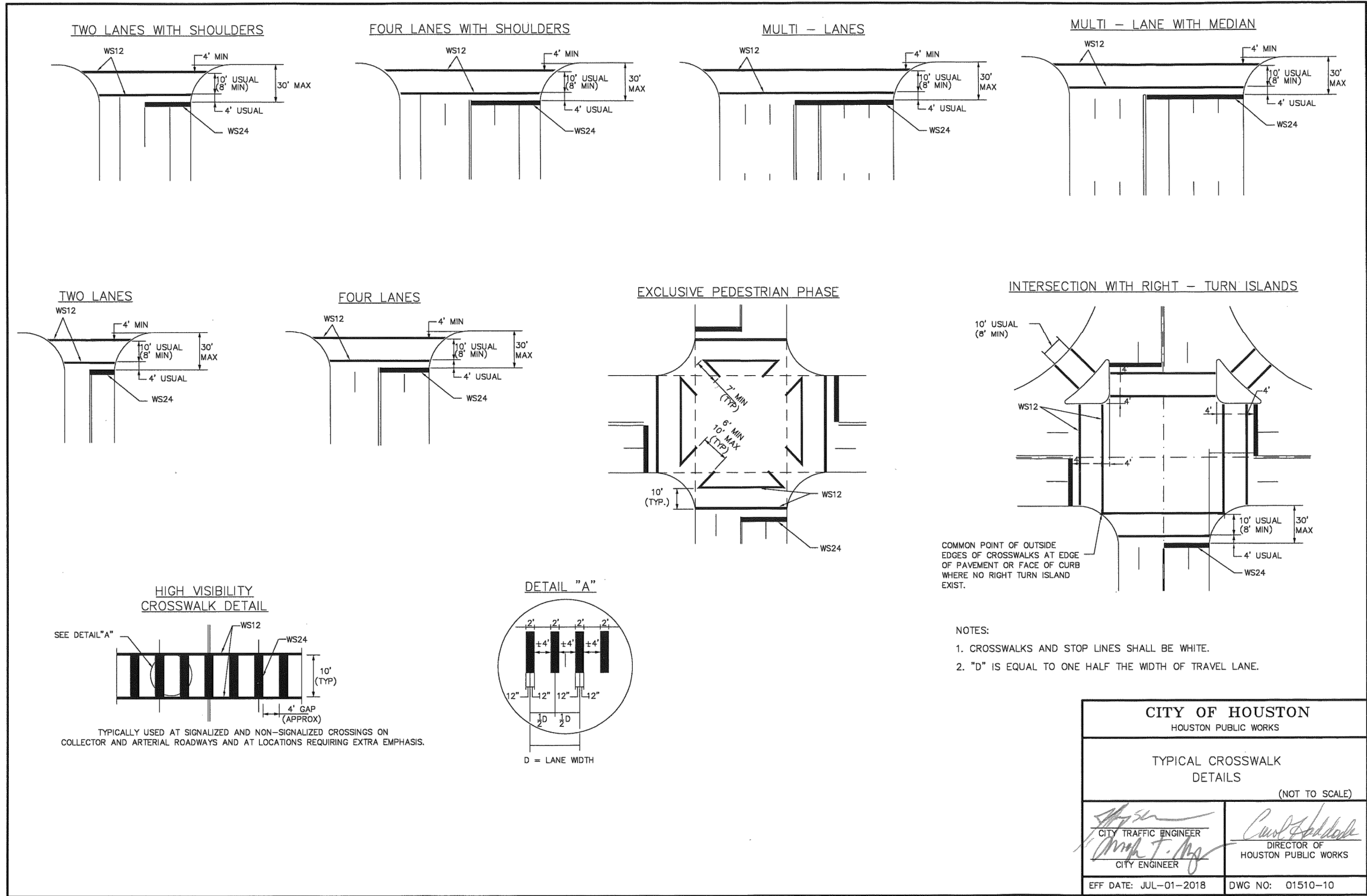
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(I)	PAV MRK (W) 6" GAP	



SEE INSET MATCHLINE THIS SHEET

 CITY ENGINEER	 DIRECTOR OF HOUSTON PUBLIC WORKS
EFF DATE: JUL-01-2018	DWG NO: 01510-C





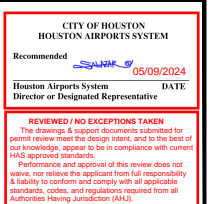
HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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REVISIONS

NO.	DESCRIPTION	DATE	BY



GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
SIGNAGE AND MARKINGS DETAILS
ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



APPROVED BY:

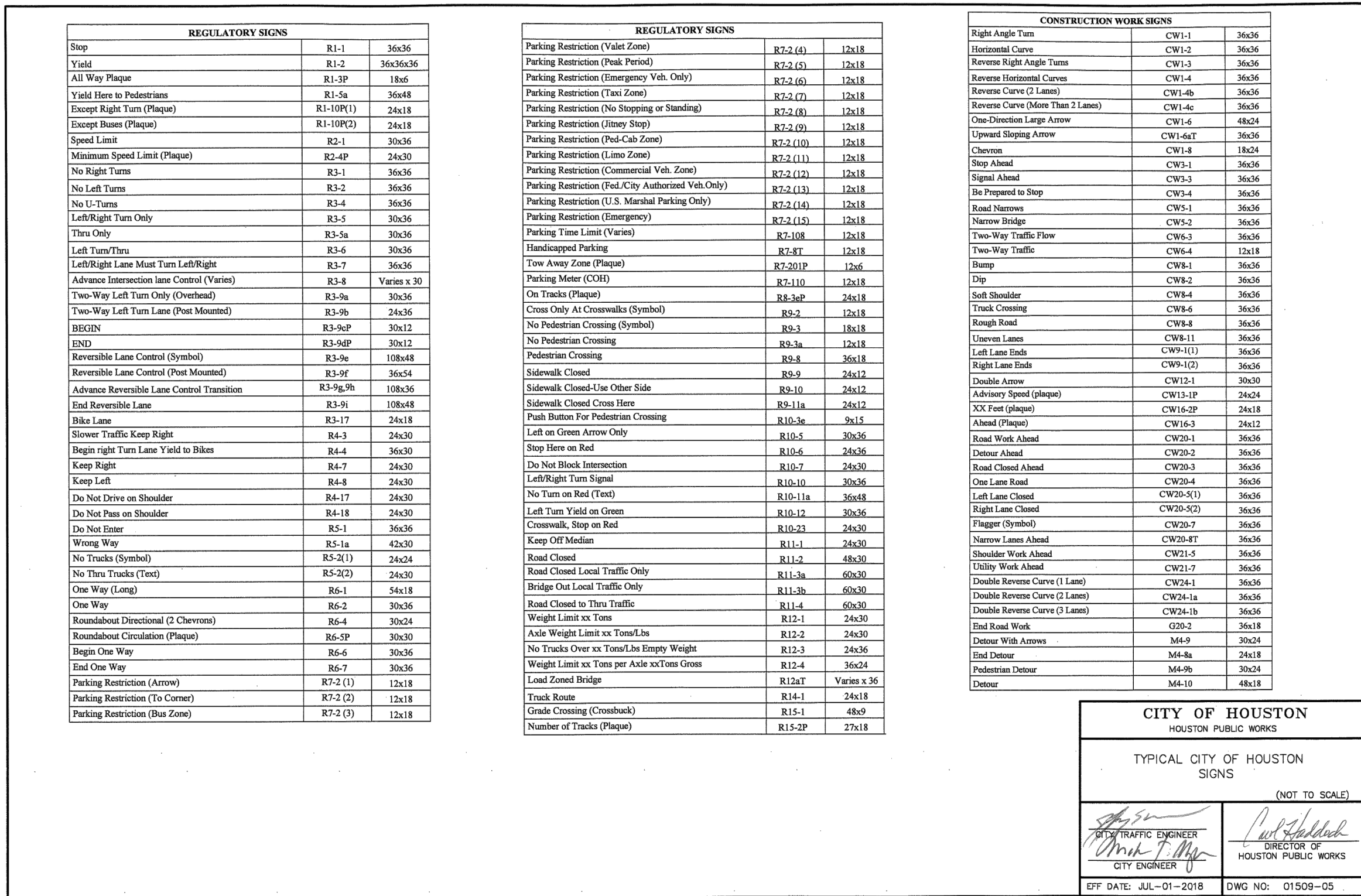
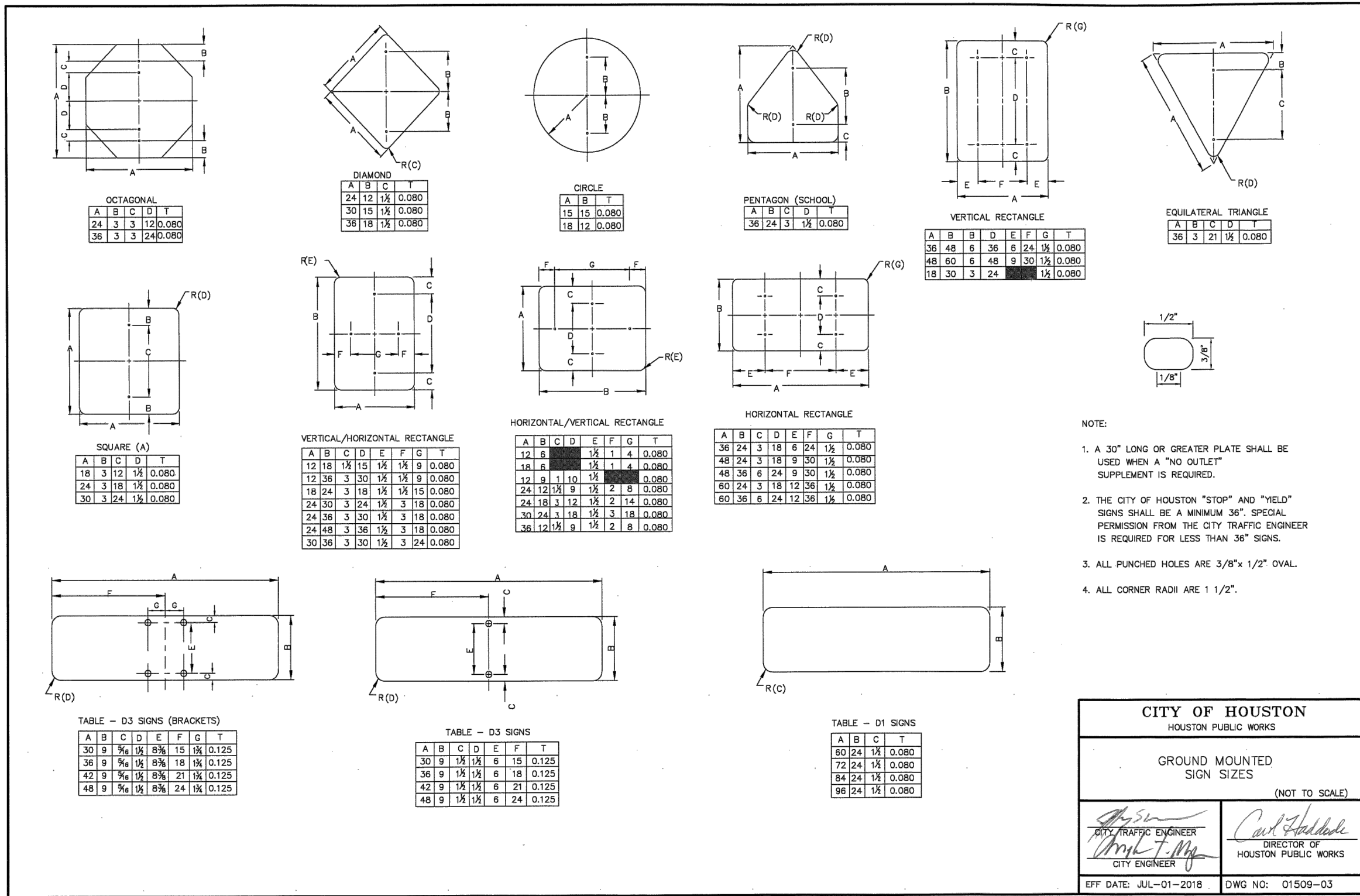
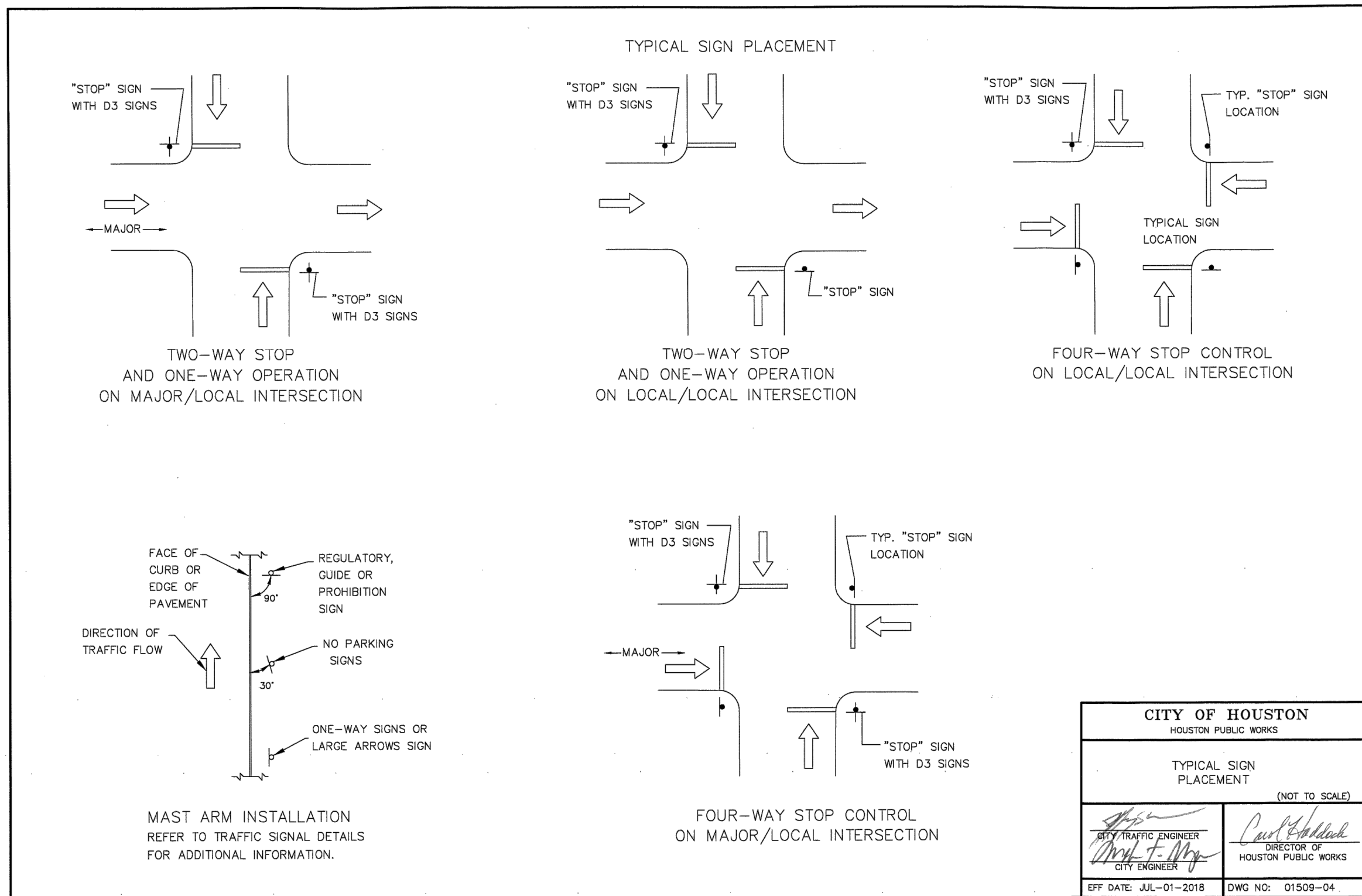
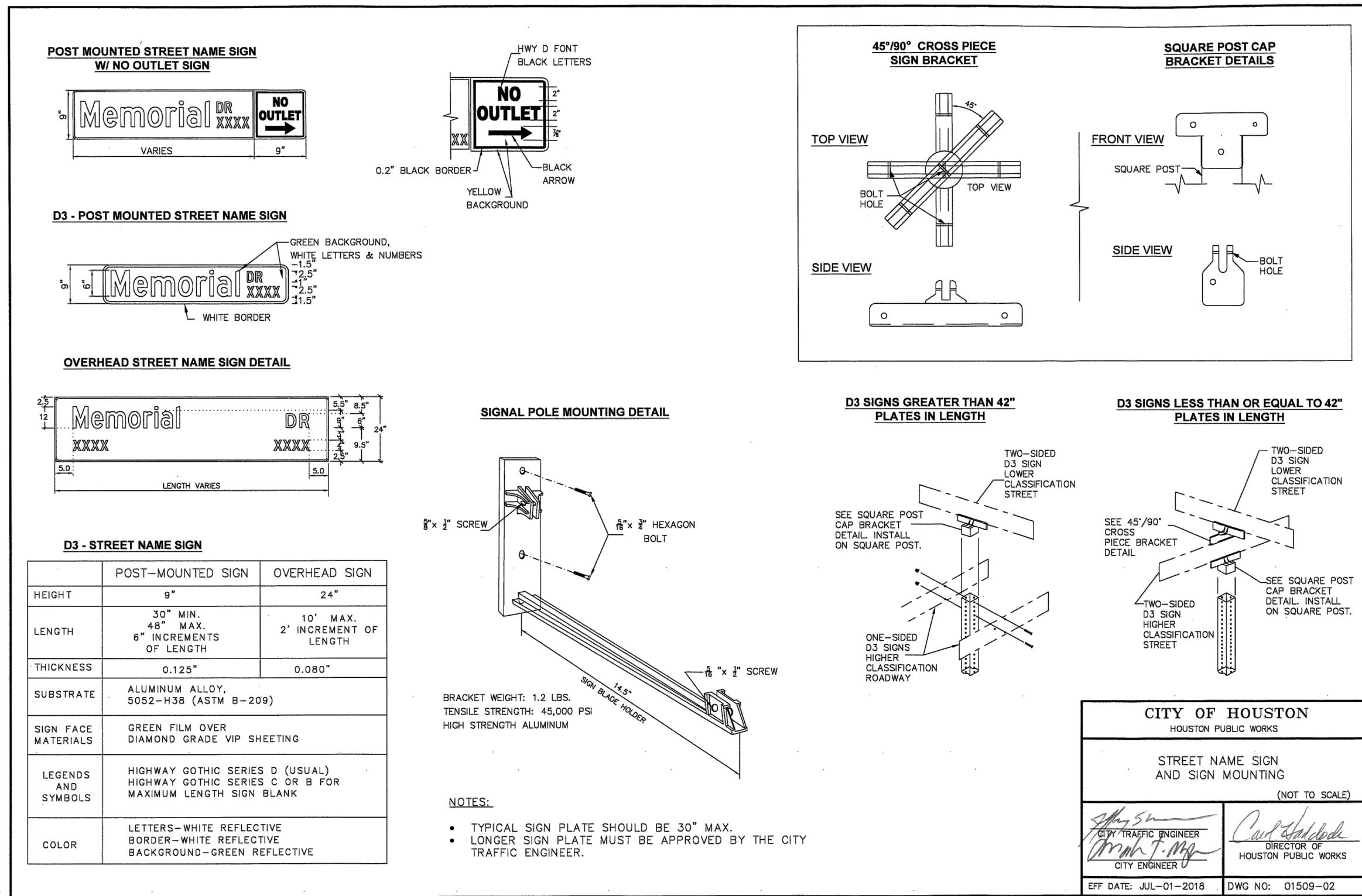
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.

C.I.P. NO.

H.A.S. NO.
935
SHEET NO.

CM-502



REVISIONS

NO.	DESCRIPTION	DATE BY

1. A 30" LONG OR GREATER PLATE SHALL BE USED WHEN A "NO OUTLET" SUPPLEMENT IS REQUIRED.

2. THE CITY OF HOUSTON "STOP" AND "YIELD" SIGNS SHALL BE A MINIMUM 36". SPECIAL PERMISSION FROM THE CITY TRAFFIC ENGINEER IS REQUIRED FOR LESS THAN 36" SIGNS.

3. ALL PUNCHED HOLES ARE 3/8" x 1/2" OVAL.

4. ALL CORNER RADI ARE 1 1/2".

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



APPROVED BY:
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HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
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935
SHEET NO.

WARNING SIGNS		
Right Angle Turn Curve	W1-1	30x30
Right Angle Turn With Speed Limit	W1-1a	36x36
Horizontal Curve	W1-2	30x30
Horizontal Curve With Speed Limit	W1-2a	36x36
Reverse Right Angle Turn	W1-3	30x30
Reverse Horizontal Curve	W1-4	30x30
Winding Road	W1-5	30x30
One Direction Large Arrow	W1-6	48x24
Two Direction Large Arrow	W1-7	48x24
Chevron Alignment	W1-8	18x24
Hairpin Curve	W1-11	30x30
Truck Rollover	W1-13	36x36
Cross Road	W2-1	30x30
Side Street T-Intersection (Symbol)	W2-2	30x30
T-Intersection (Symbol)	W2-4	30x30
Y-Intersection (Symbol)	W2-5	30x30
Roundabout (Symbol)	W2-6	30x30
Stop Ahead	W3-1	30x30
Signal Ahead	W3-3	30x30
Reduced Speed Limit Ahead	W3-5	36x36
Merge	W4-1	36x36
Lane Ends	W4-2	36x36
Added Lane	W4-3	36x36
Cross Traffic Does Not Stop (Plaque)	W4-4P	24x12
Road Narrows	W5-1	36x36
Narrow Bridge	W5-2	36x36
Divided Highway	W6-1	36x36
Divided Highway Ends	W6-2	36x36
Two Way Traffic (Symbol)	W6-3	36x36
Bump	W8-1	30x30
Dip	W8-2	30x30
Pavement Ends	W8-3	36x36
Soft Shoulder	W8-4	36x36
Truck Crossing	W8-6	36x36
Loose Gravel	W8-7	36x36
Rough Road	W8-8	36x36
Uneven Lanes	W8-11	36x36
Watch for ICE on Bridge	W8-13T	36x36
Shoulder Drop-Off (Symbol)	W8-17	30x30
Shoulder Drop-Off (Plaque)	W8-17P	24x18

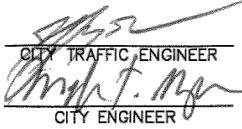
WARNING SIGNS		
Flood Gauge	W8-19	12x72
No Shoulder	W8-23	36x36
Shoulder Ends	W8-25	36x36
Left Lane Ends	W9-1(1)	36x36
Right Lane Ends	W9-1(2)	36x36
Lane Ends Merge Left	W9-2(1)	36x36
Lane Ends Merge Right	W9-2(2)	36x36
Grade Crossing Advance Warning	W10-1	30Dia
No Train Horn	W10-9	36x36
No Train Horn (Plaque)	W10-9P	30x24
Bicycle	W11-1	30x30
Pedestrian	W11-2	36x36
Emergency Vehicle	W11-8	30x30
Handicapped	W11-9	30x30
Truck	W11-10	30x30
Emergency Signal Ahead (Plaque)	W11-12P	36x30
Bicycle/Pedestrian	W11-15	30x30
Trail Crossing (Plaque)	W11-15P	24x18
Double Arrow	W12-1	30x30
Low Clearance With Arrows	W12-2	36x36
Low Clearance	W12-2a	78x24
Loaded Zoned Bridge	W12-5T	36x36
Advisory Speed (Plaque)	W13-1P	18x18
No Outlet	W14-2	24x24
No Outlet With Arrow	W14-2a	36x6
Share the Road (Plaque)	W16-1P	18x24
xx Feet (Plaque)	W16-2P	24x18
Next xx Feet (Plaque)	W16-4P	30x24
Supplemental Left Arrow (Plaque)	W16-5P(1)	24x18
Supplemental Right Arrow (Plaque)	W16-5P(2)	24x18
Diagonal Arrow (Plaque)	W16-7P	24x12
Ahead (Plaque)	W16-9P	24x12
When Flashing (Plaque)	W16-13P	24x18
Roundabout (Plaque)	W16-17	24x12
Speed Hump	W17-1	30x30
Type 1 Object Marker (Left)	OM3-L	12x36
Type 3 Object Marker (Right)	OM3-R	12x36
Type 3 Object Marker (Center)	OM3-C	12x36
Type 4 Object Marker	OM4-1	18x18

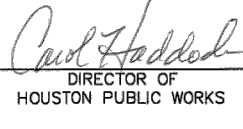
BICYCLE SIGNS		
Stop	R1-1	18x18
Street Name	D1-1	varies x 6
Yield	R1-2	18x18x18
To Request Green Wait on Symbol	R10-22	12x18
Yield to Pedestrian	R9-6	18x18
No Parking Bike Lane	R7-9	12x18
Bike Route	D11-1	24x18
Bike Route to Downtown	D11-1a	24x18
Bike Sign Auxiliary Signs	M4-1 - M4-14	12x6
Bicycle Route Route Arrow Signs	M5-1a, M6-1, 2, 3, 4, 5, 6, 7	12x9
Walk Your Bike (custom sign)	R9 - 8 Cat	12x18
Yield To Ped/Bike (custom sign)	R1 - 5 PB	36x36
Turning Vehicles Yield to Ped/Bike (custom sign)	R10 - 15 PB	36x36

SCHOOL SIGNS		
School	S1-1 (FYG)	36x36
XXX to XXX AM and PM (Plaque)	S4-1P	24x10
School (Plaque)	S4-3P (FYG)	24x8
When Flashing (Plaque)	S4-4P	24x10
Reduced School Speed Limit Ahead	S4-5a (FYG)	36x36
School Speed Limit xx When Flashing	S5-1 (FYG)	24x48
School Zone	S5-2	24x30
End School Zone	S5-2aTP	24x10
Cell Phone Use Prohibited	S7-1T	24x18
Turn Arrow (Plaque)	SW16-5P (FYG)	24x12
Advance Turn Arrow (Plaque)	SW16-6P (FYG)	24x12
Diagonal Arrow (Plaque)	SW16-7P (FYG)	24x12
Ahead (Plaque)	S16-9P (FYG)	24x12
FYG - Fluorescent Yellow-Green Background Color		

CITY OF HOUSTON
HOUSTON PUBLIC WORKS

TYPICAL CITY OF HOUSTON
SIGNS
(NOT TO SCALE)


TRAFFIC ENGINEER
CITY ENGINEER


DIRECTOR OF
HOUSTON PUBLIC WORKS

EFF DATE: JUL-01-2018 DWG NO: 01509-06

REVISIONS

NO. DESCRIPTION DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
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PROJECT MGR: MES

DESIGNER: ALR

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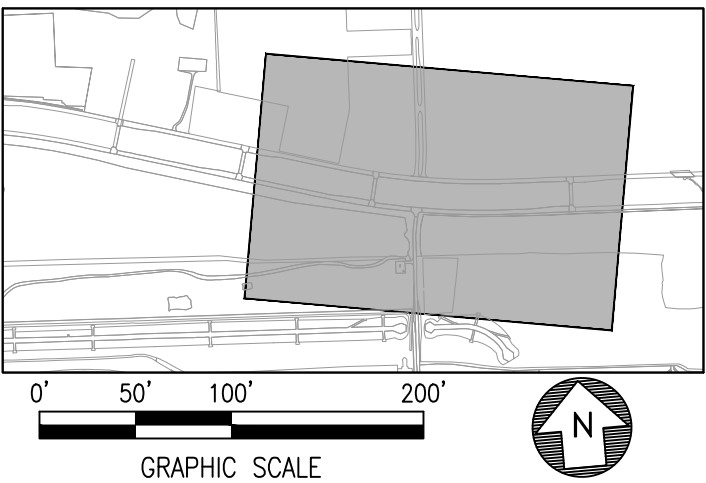
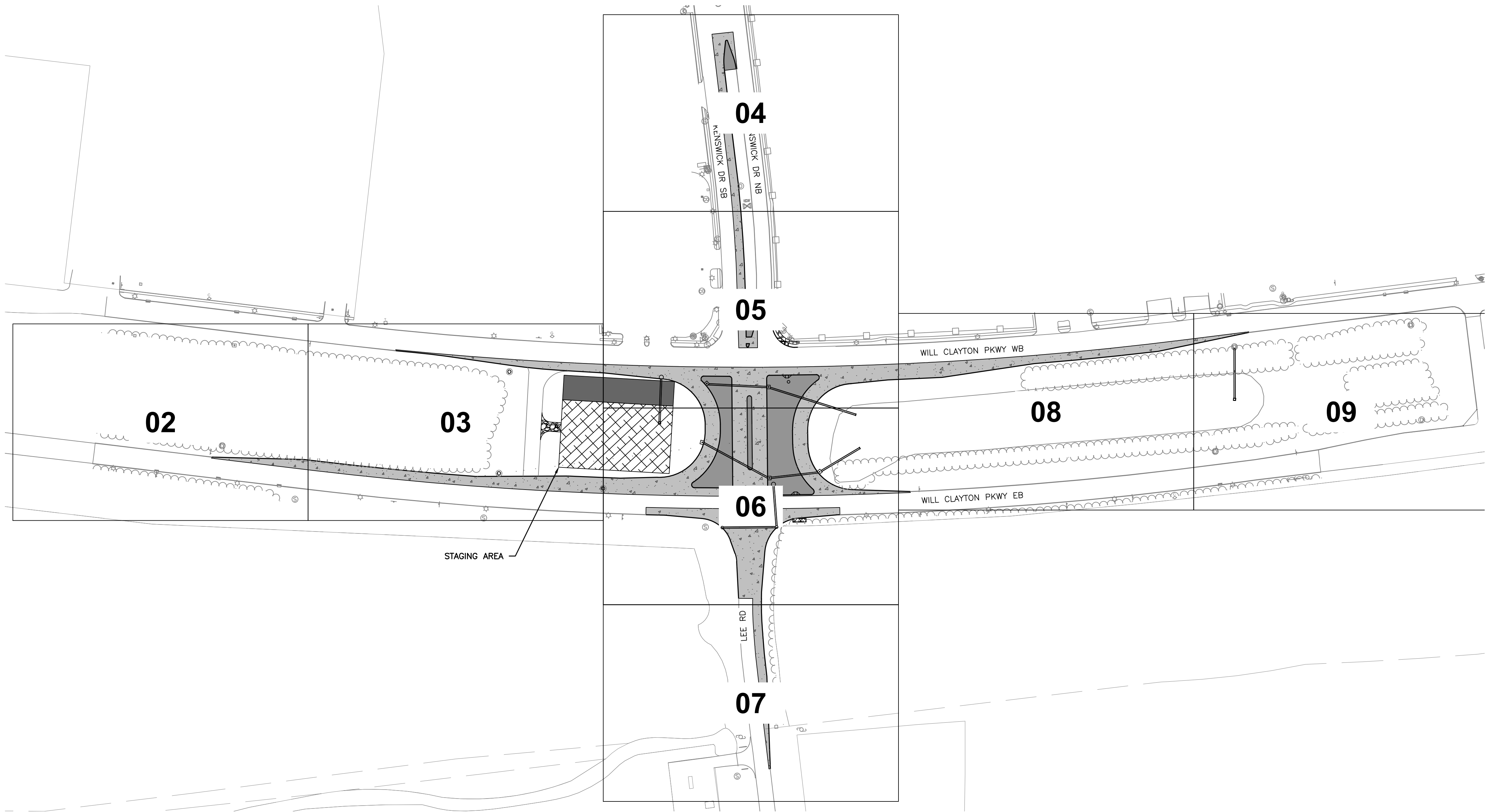
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ATKINS

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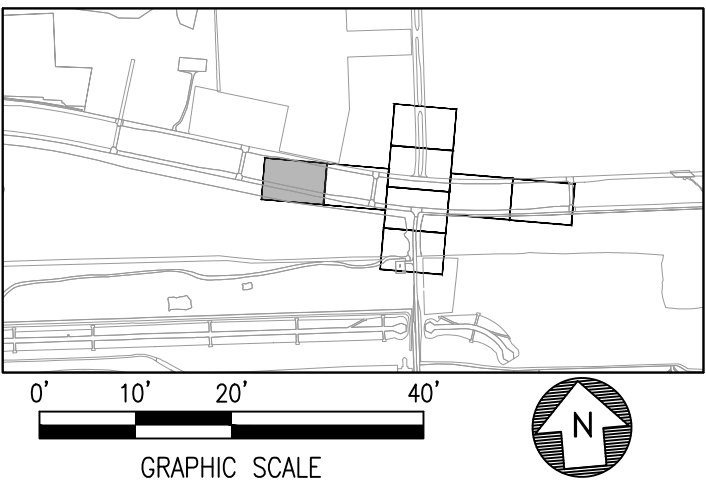
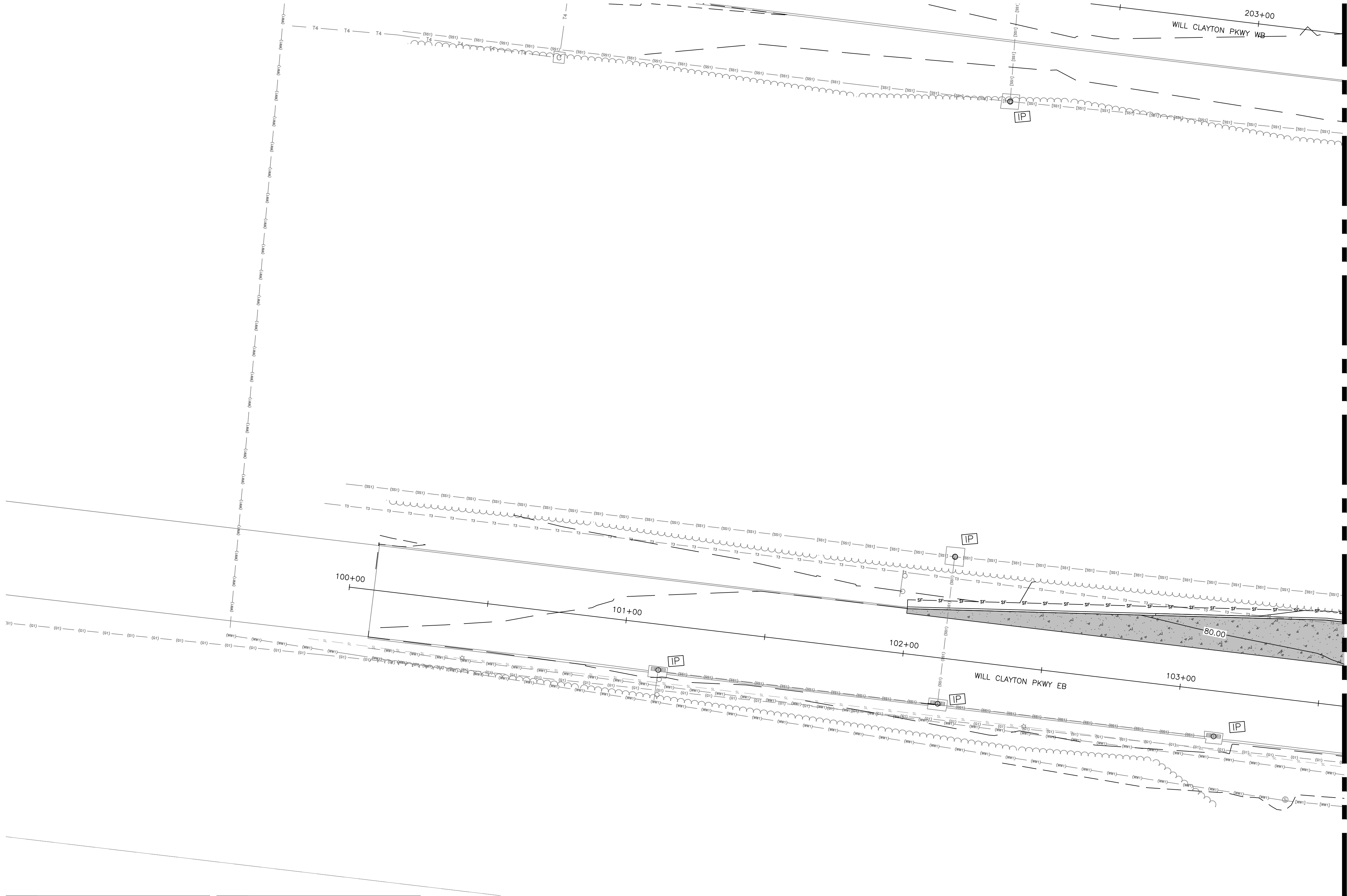
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
OVERALL EROSION AND SEDIMENT
CONTROL PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
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PLOT DATE: 2024-04-19



SEE MATCHLINE SHEET CE-103

LEGEND

SF—SF

SILT FENCE, TYPE C

—P—P

PROJECT LIMITS

—G—G

GRADING LIMITS

—C—C

CENTERLINE DRAINAGE CHANNEL

—S—S

SURFACE FLOW DIRECTIONAL ARROW

FD

FILTER DAM TYPE 2

ED

CULVERT OUTLET ENERGY DISSIPATING, RIP RAP

IP

INLET PROTECTION

HYDRO MULCH SEEDING. SEE NOTE 2.

SC-1

STABILIZED CONSTRUCTION ENTRANCE

- NOTES**
1. INLET PROTECTION OF EXISTING STRUCTURES SHALL BE IN PLACE DURING CONSTRUCTION OF OTHER PHASES.

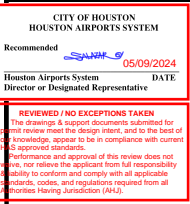
2. WHEN HYDRO MULCHING SEEDING ON SIDE SLOPES, TERRA TYPE III (OR APPROVED EQUAL) SHALL BE USED. ON ALL OTHER AREAS TERRA TACK 1 (OR APPROVED EQUAL) SHALL BE USED.

HOUSTON AIRPORT SYSTEM
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EROSION AND SEDIMENT CONTROL PLAN**

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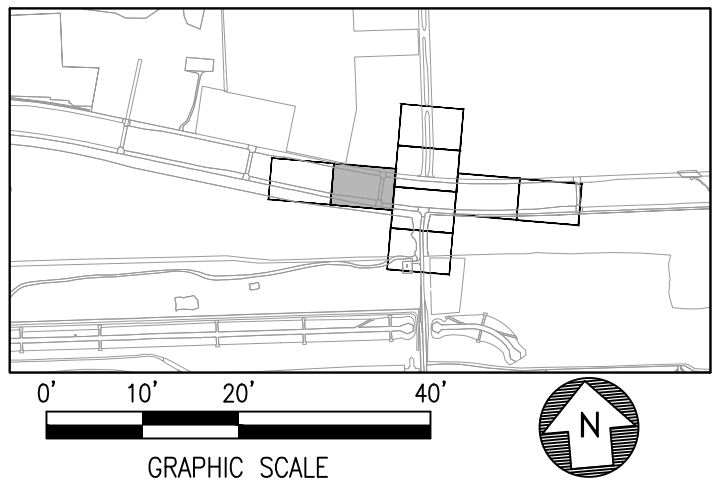
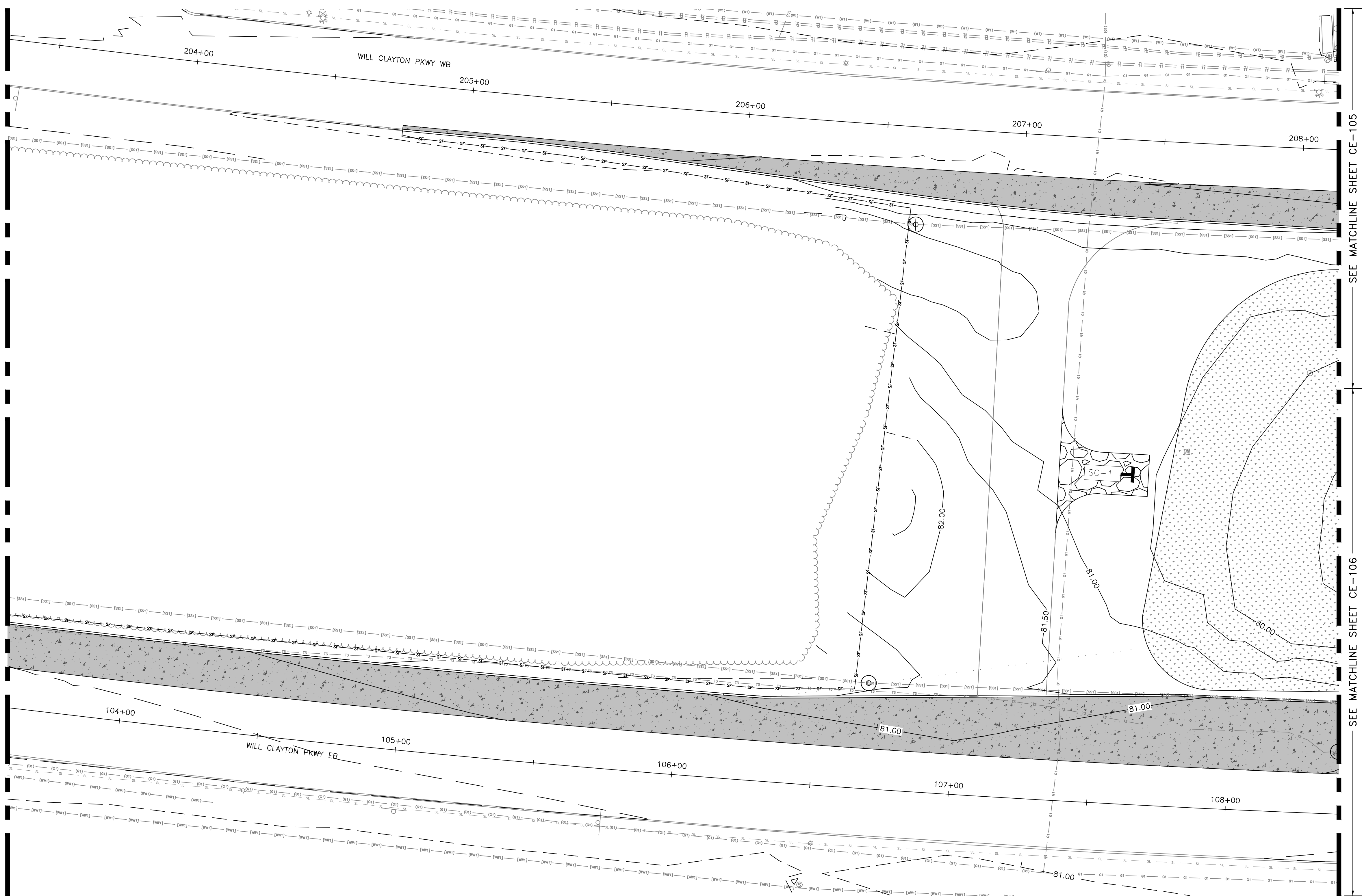
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PLOT DATE: 2024-04-19

SEE MATCHLINE SHEET CE-102



LEGEND	
	SILT FENCE, TYPE C
	PROJECT LIMITS
	GRADING LIMITS
	CENTERLINE DRAINAGE CHANNEL
	SURFACE FLOW DIRECTIONAL ARROW
	FILTER DAM TYPE 2
	CULVERT OUTLET ENERGY DISSIPATING, RIP RAP
	INLET PROTECTION
	HYDRO MULCH SEEDING. SEE NOTE 2.
	STABILIZED CONSTRUCTION ENTRANCE

- | NOTES | |
|-------|--|
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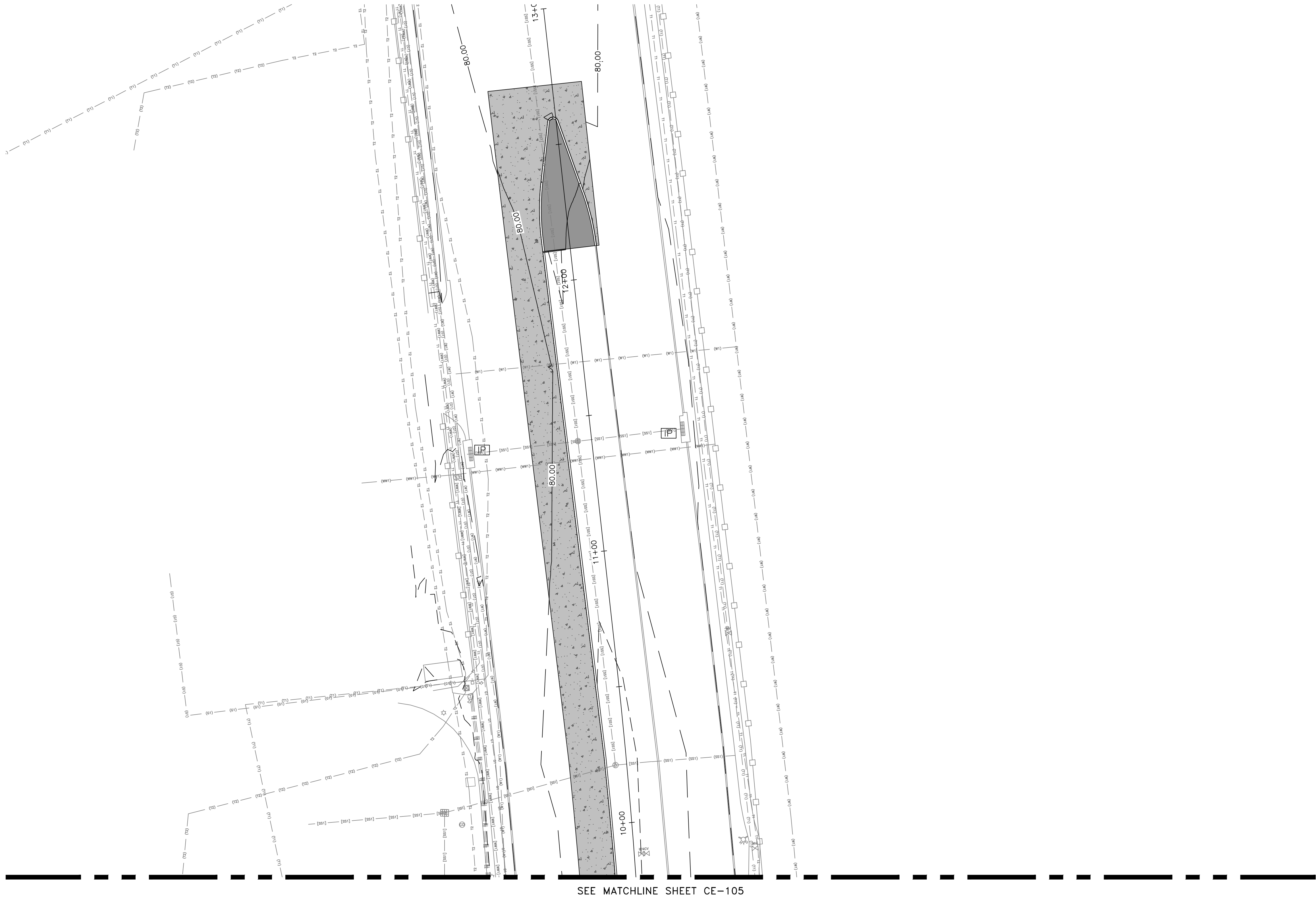
REVISIONS		
NO.	DESCRIPTION	DATE BY

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
EROSION AND SEDIMENT CONTROL PLAN
ISSUED FOR PERMIT

APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

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PLOT DATE:2024-04-19



LEGEND

SF

SF

SILT FENCE, TYPE C

PL

PL

PROJECT LIMITS

GL

GL

GRADING LIMITS

CD

CD

CENTERLINE DRAINAGE CHANNEL

SA

SA

SURFACE FLOW DIRECTIONAL ARROW

FD

FD

FILTER DAM TYPE 2

ED

ED

CULVERT OUTLET ENERGY DISSIPATING, RIP RAP

IP

IP

INLET PROTECTION

HM

HM

HYDRO MULCH SEEDING. SEE NOTE 2.

SC-1

SC-1

STABILIZED CONSTRUCTION ENTRANCE

NOTES

1. INLET PROTECTION OF EXISTING STRUCTURES SHALL BE IN PLACE DURING CONSTRUCTION OF OTHER PHASES.

2. WHEN HYDRO MULCHING SEEDING ON SIDE SLOPES, TERRA TYPE III (OR APPROVED EQUAL) SHALL BE USED. ON ALL OTHER AREAS TERRA TACK 1 (OR APPROVED EQUAL) SHALL BE USED.

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

ATKINS

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REVISIONS		
NO.	DESCRIPTION	DATE BY

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
05/08/2024

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
EROSION AND SEDIMENT CONTROL PLAN
ISSUED FOR PERMIT

STATE OF TEXAS
REGISTERED PROFESSIONAL ENGINEER
MEGHAN E. SHEEHAN
144857
05/08/2024

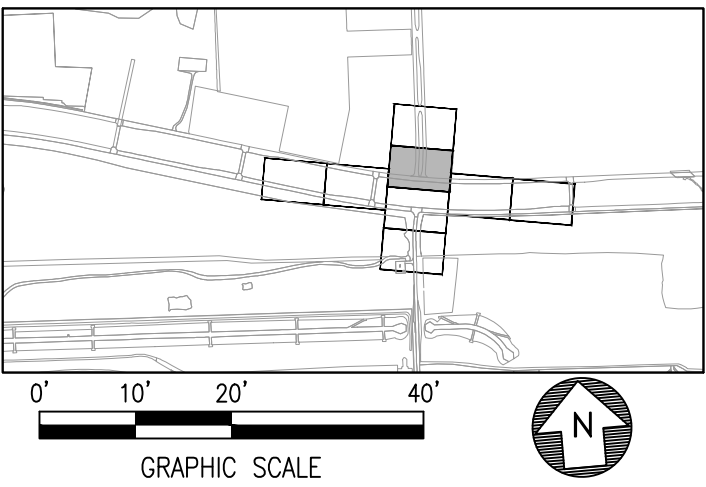
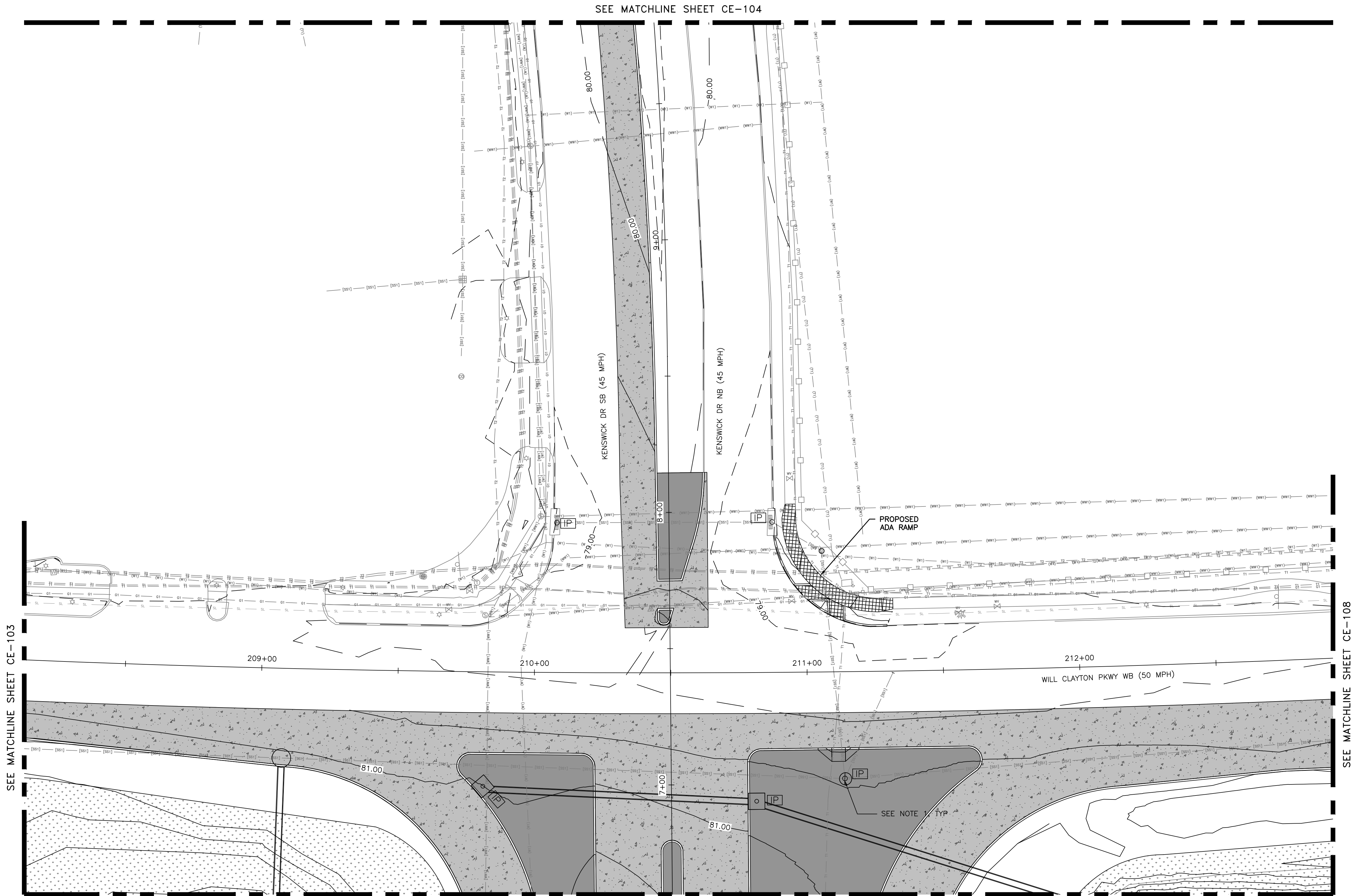
APPROVED BY:

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HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

CE-104

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PLOT DATE: 2024-04-19



LEGEND	
	SILT FENCE, TYPE C
	PROJECT LIMITS
	GRADING LIMITS
	CENTERLINE DRAINAGE CHANNEL
	SURFACE FLOW DIRECTIONAL ARROW
	FILTER DAM TYPE 2
	CULVERT OUTLET ENERGY DISSIPATING, RIP RAP
	INLET PROTECTION
	HYDRO MULCH SEEDING. SEE NOTE 2.
	STABILIZED CONSTRUCTION ENTRANCE

- | NOTES | |
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REVISIONS		
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CITY OF HOUSTON
HOUSTON AIRPORT SYSTEM
HOUSTON, TEXAS 77079
PROJECT NO. 100072032
DATE OF PERMIT 05/08/2024
ISSUED FOR PERMIT

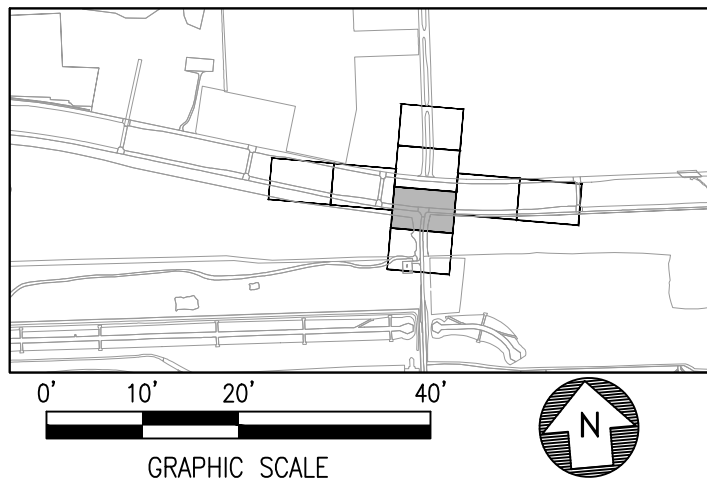
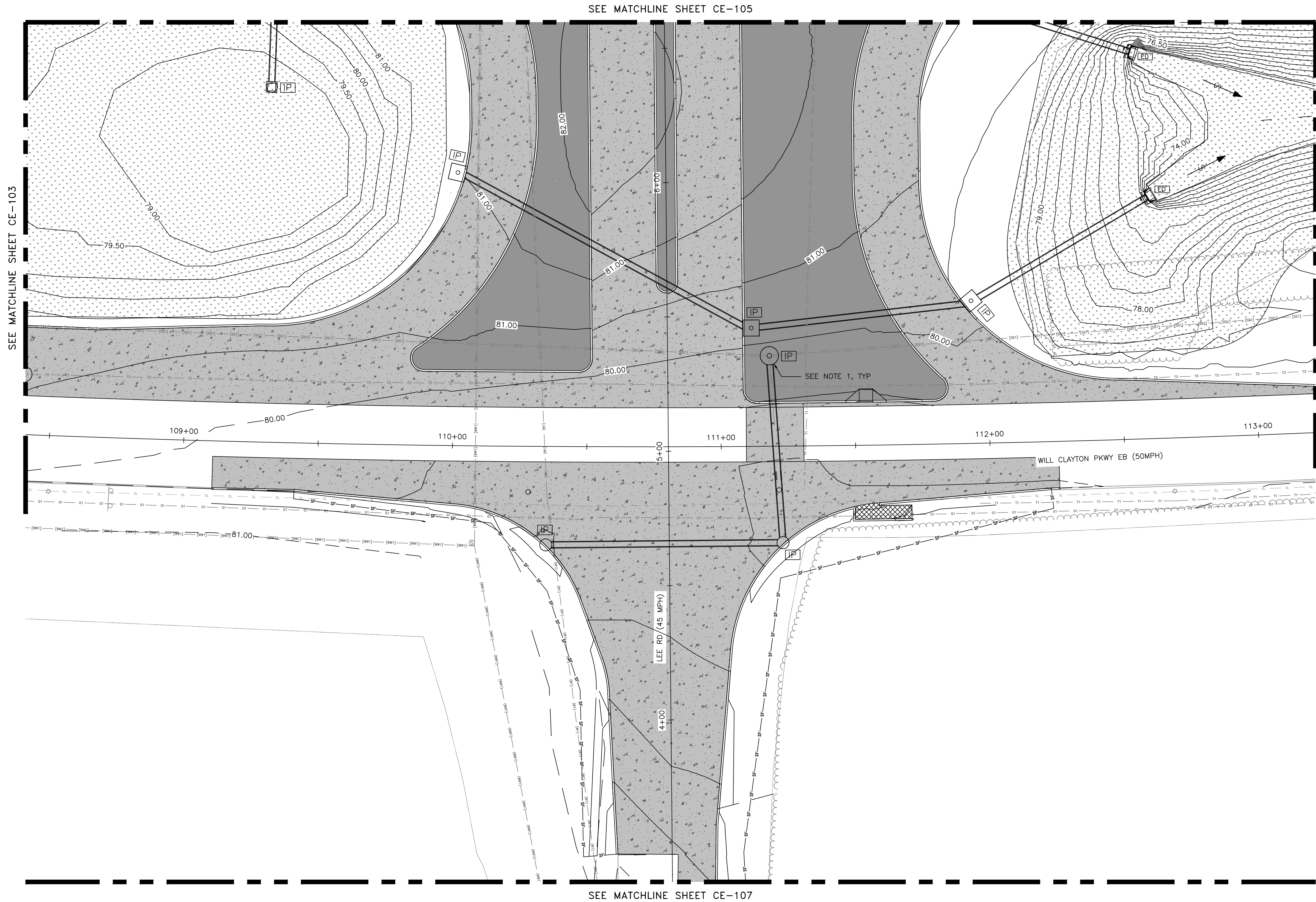
PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY:
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HOUSTON AIRPORT SYSTEM

PROJECT NO. 100072032
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C.I.P. NO.
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SHEET NO.

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PLOT DATE: 2024-04-19



LEGEND	
	SILT FENCE, TYPE C
	PROJECT LIMITS
	GRADING LIMITS
	CENTERLINE DRAINAGE CHANNEL
	SURFACE FLOW DIRECTIONAL ARROW
	FILTER DAM TYPE 2
	CULVERT OUTLET ENERGY DISSIPATING, RIP RAP
	INLET PROTECTION
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	SC-1 STABILIZED CONSTRUCTION ENTRANCE

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NO.	DESCRIPTION	DATE BY

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

ISSUED FOR PERMIT

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
EROSION AND SEDIMENT CONTROL PLAN**

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032

A.I.P. NO.

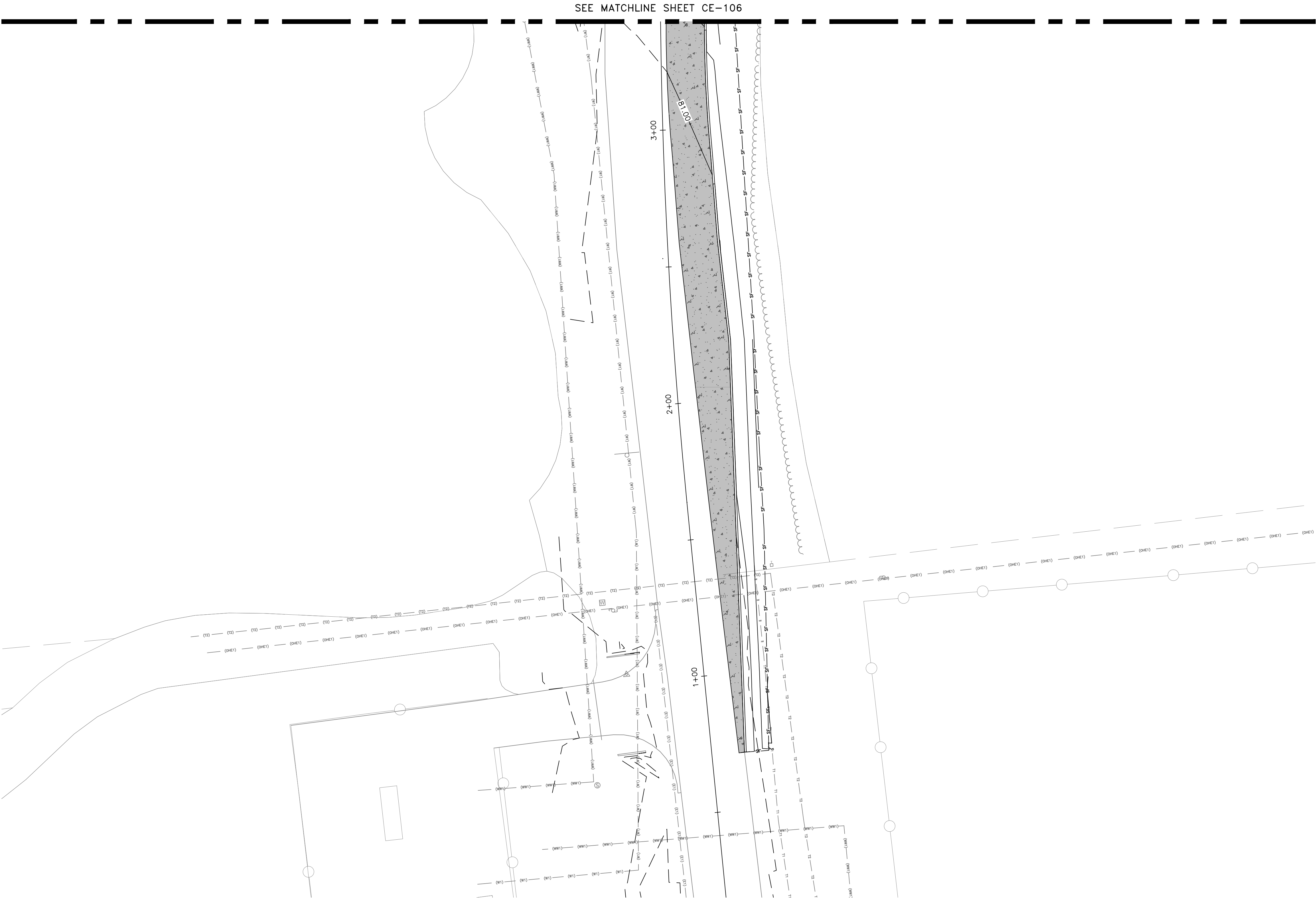
C.I.P. NO.

H.A.S. NO.
935

SHEET NO.

CE-106

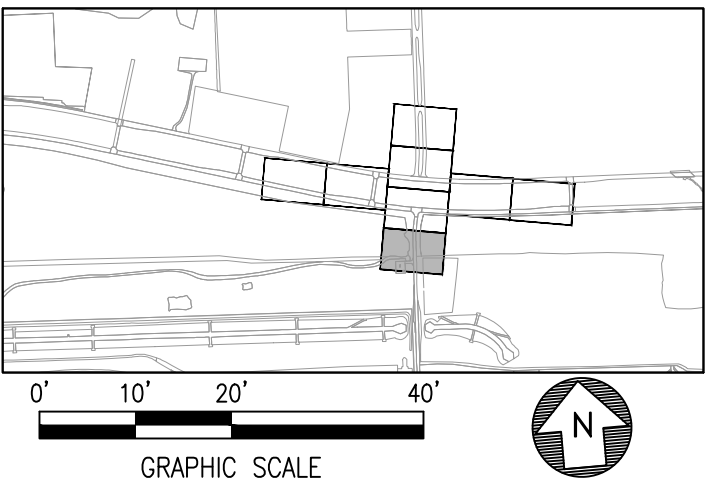
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PLOT DATE:2024-04-19



LEGEND

- Sf—Sf— SILT FENCE, TYPE C
- P—P— PROJECT LIMITS
- G—G— GRADING LIMITS
- C—C— CENTERLINE DRAINAGE CHANNEL
- S—> SURFACE FLOW DIRECTIONAL ARROW
- FD FILTER DAM TYPE 2
- ED CULVERT OUTLET ENERGY DISSIPATING, RIP RAP
- IP INLET PROTECTION
- HYDRO MULCH SEEDING. SEE NOTE 2.
- SC-1 STABILIZED CONSTRUCTION ENTRANCE

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REVISIONS		
NO.	DESCRIPTION	DATE BY

STATE OF TEXAS
MEGHAN E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024

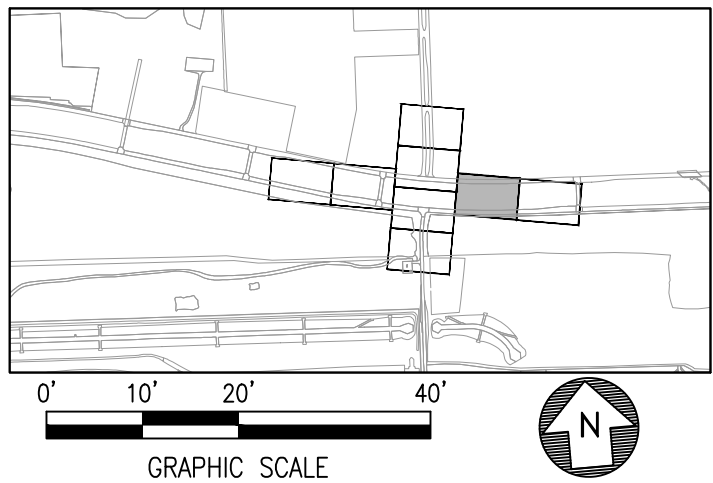
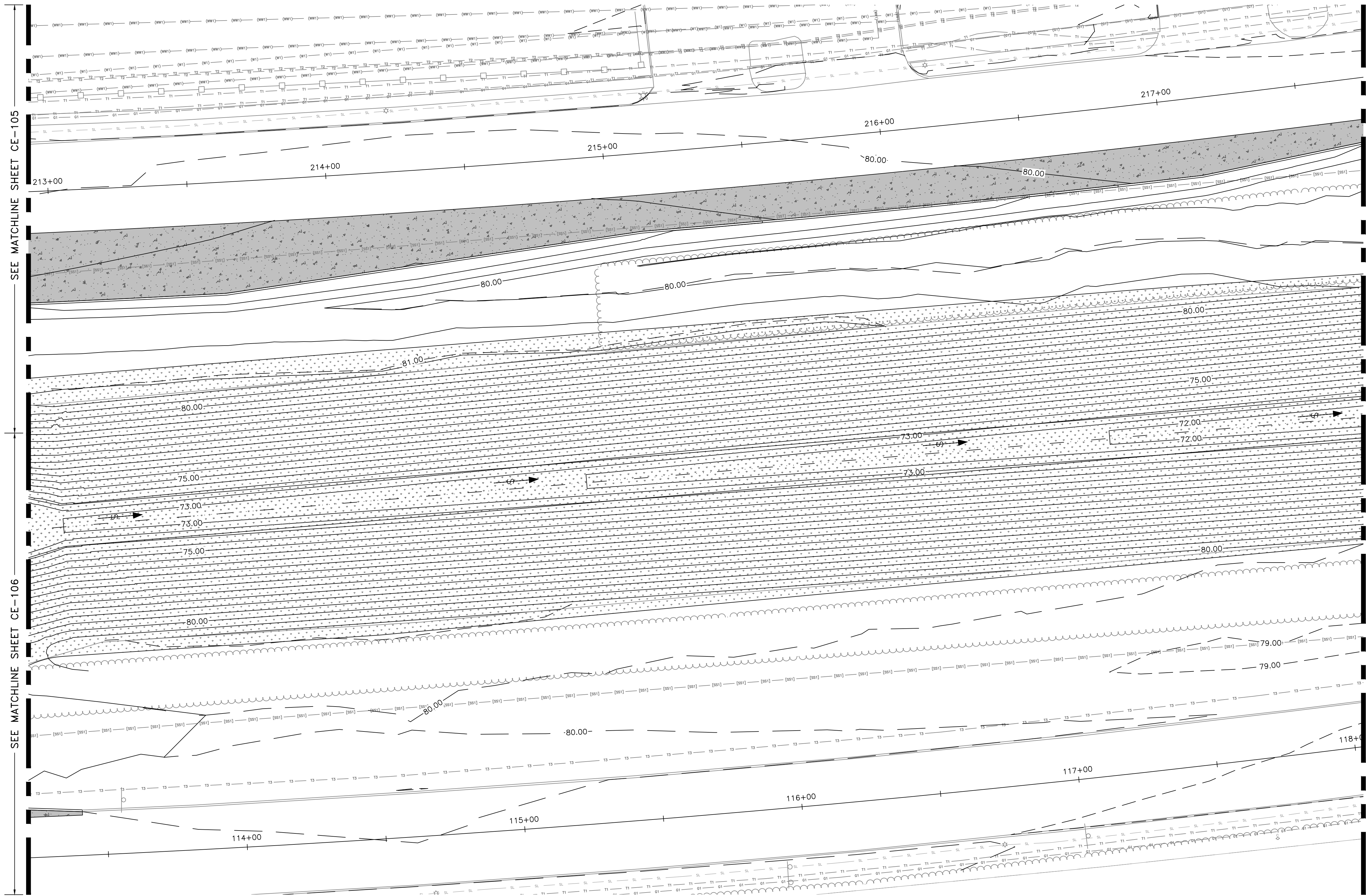
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
EROSION AND SEDIMENT CONTROL PLAN**
ISSUED FOR PERMIT

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

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PLOT DATE: 2024-04-19



LEGEND	
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	PROJECT LIMITS
	GRADING LIMITS
	CENTERLINE DRAINAGE CHANNEL
	SURFACE FLOW DIRECTIONAL ARROW
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
EROSION AND SEDIMENT CONTROL PLAN**

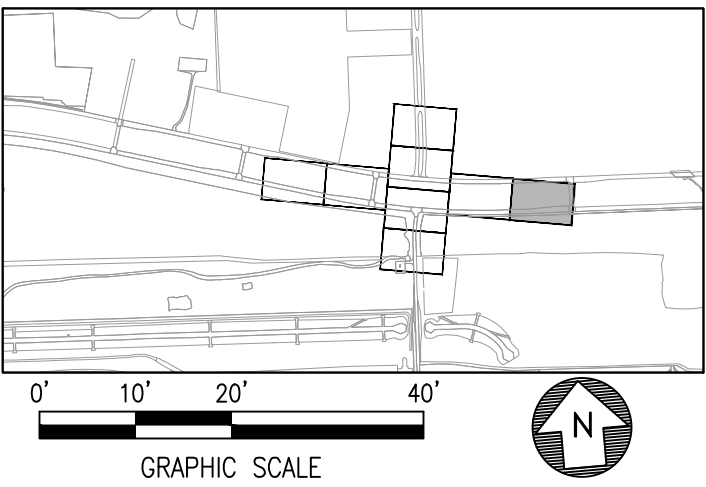
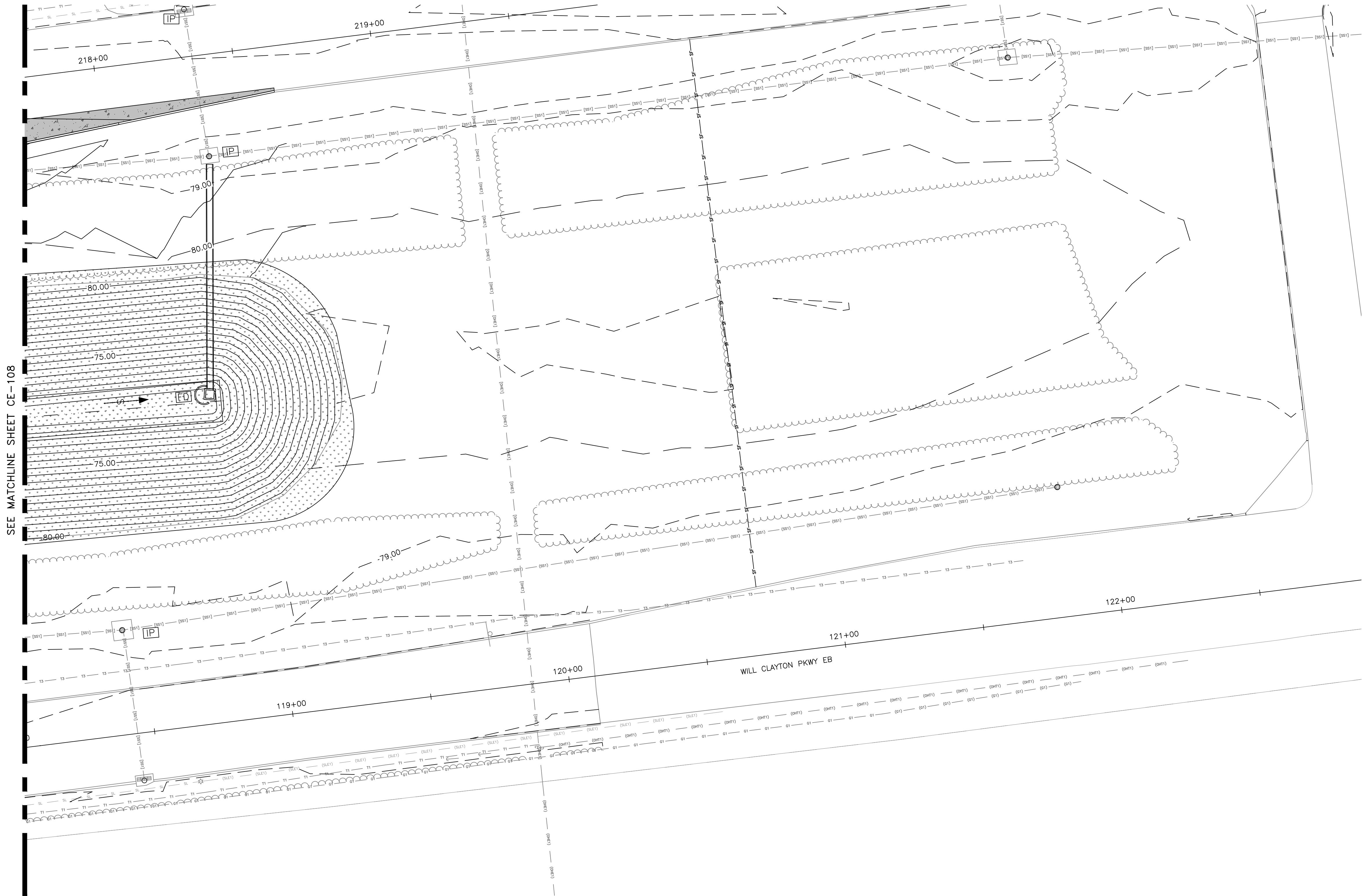
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PROJECT MGR:	MES
DESIGNER:	ALR
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CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
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H.A.S. NO.	935
SHEET NO.	

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PLOT DATE: 2024-04-19



HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

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REVISIONS		
NO.	DESCRIPTION	DATE BY

STATE OF TEXAS
HOUSTON AIRPORT SYSTEM

PROJECT NO. 100072032
DATE 05/08/2024

PROJECT MGR: MES
DESIGNER: ALR
DRAWN BY: ALR
CHECK BY: PMW
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
EROSION AND SEDIMENT CONTROL PLAN**
ISSUED FOR PERMIT

LEGEND

— SF — SF — SILT FENCE, TYPE C

— P — P — PROJECT LIMITS

— G — G — GRADING LIMITS

— C — C — CENTERLINE DRAINAGE CHANNEL

— S — S — SURFACE FLOW DIRECTIONAL ARROW

— FD — FD — FILTER DAM TYPE 2

— ED — ED — CULVERT OUTLET ENERGY DISSIPATING, RIP RAP

— IP — IP — INLET PROTECTION

— H — H — HYDRO MULCH SEEDING. SEE NOTE 2.

— SC-1 — SC-1 — STAIR 17FD CONSTRUCTION ENTRANCE

- NOTES**
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STATE OF TEXAS
MEGHAN, E. SHEEHAN
144857
LICENSED PROFESSIONAL ENGINEER
05/08/2024

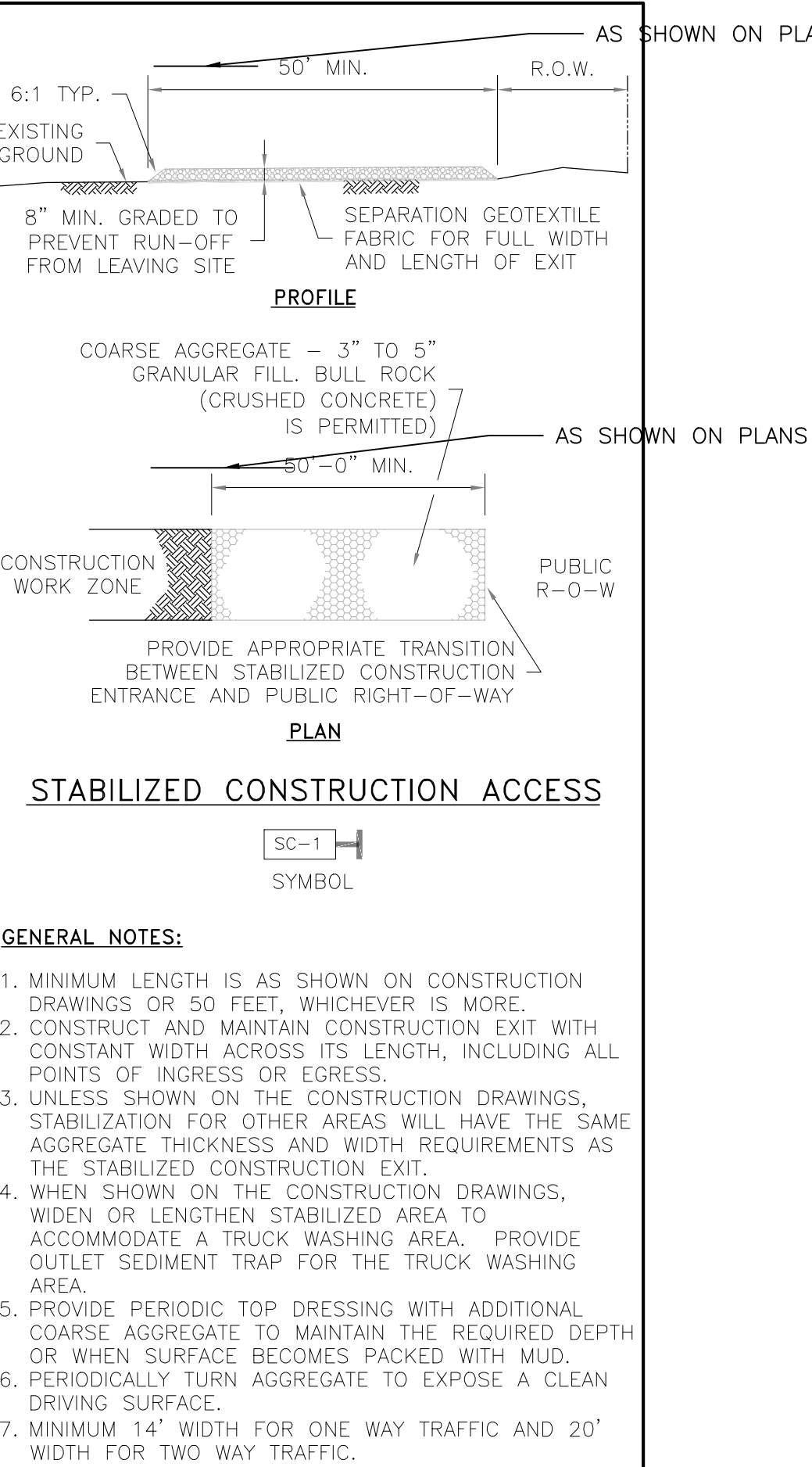
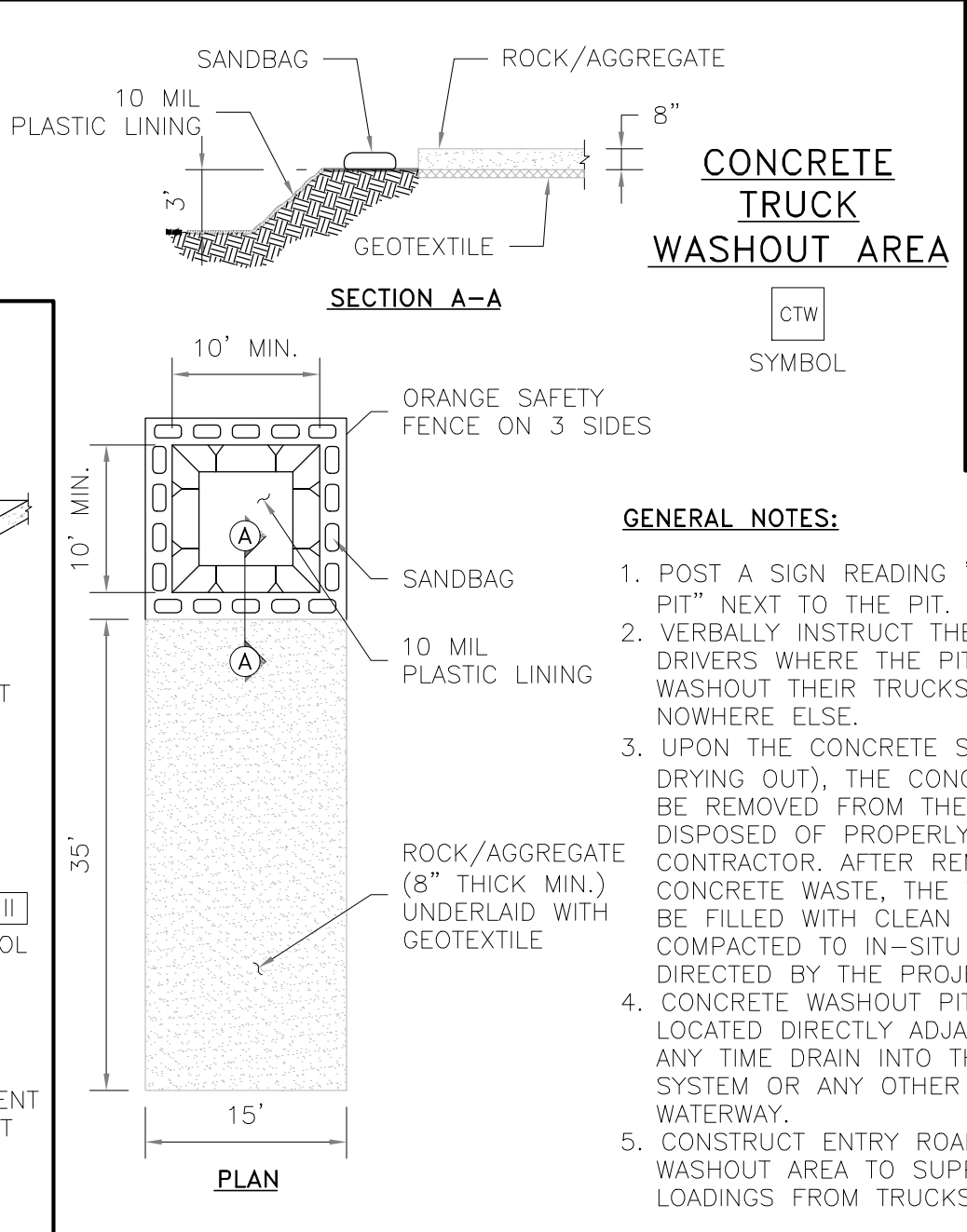
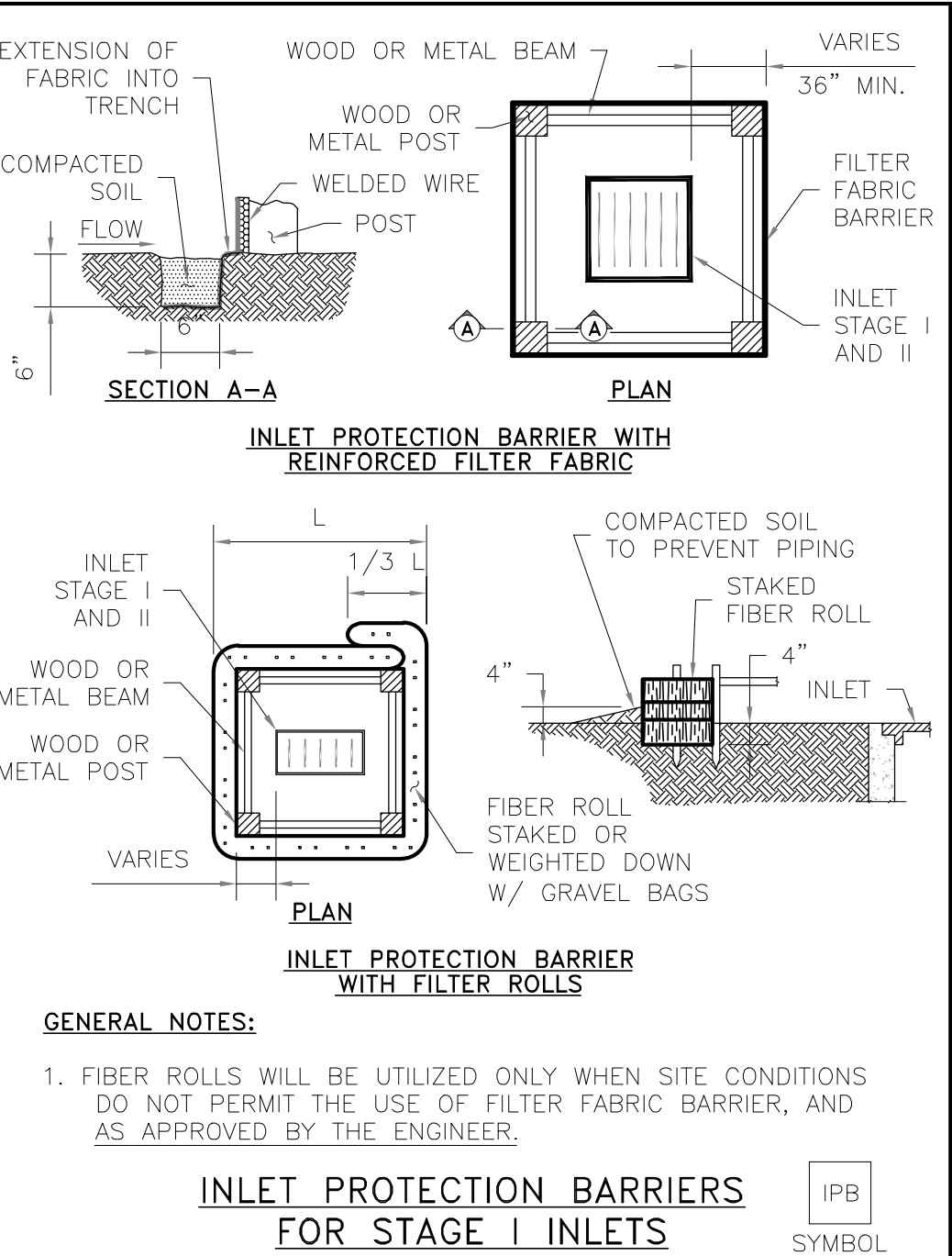
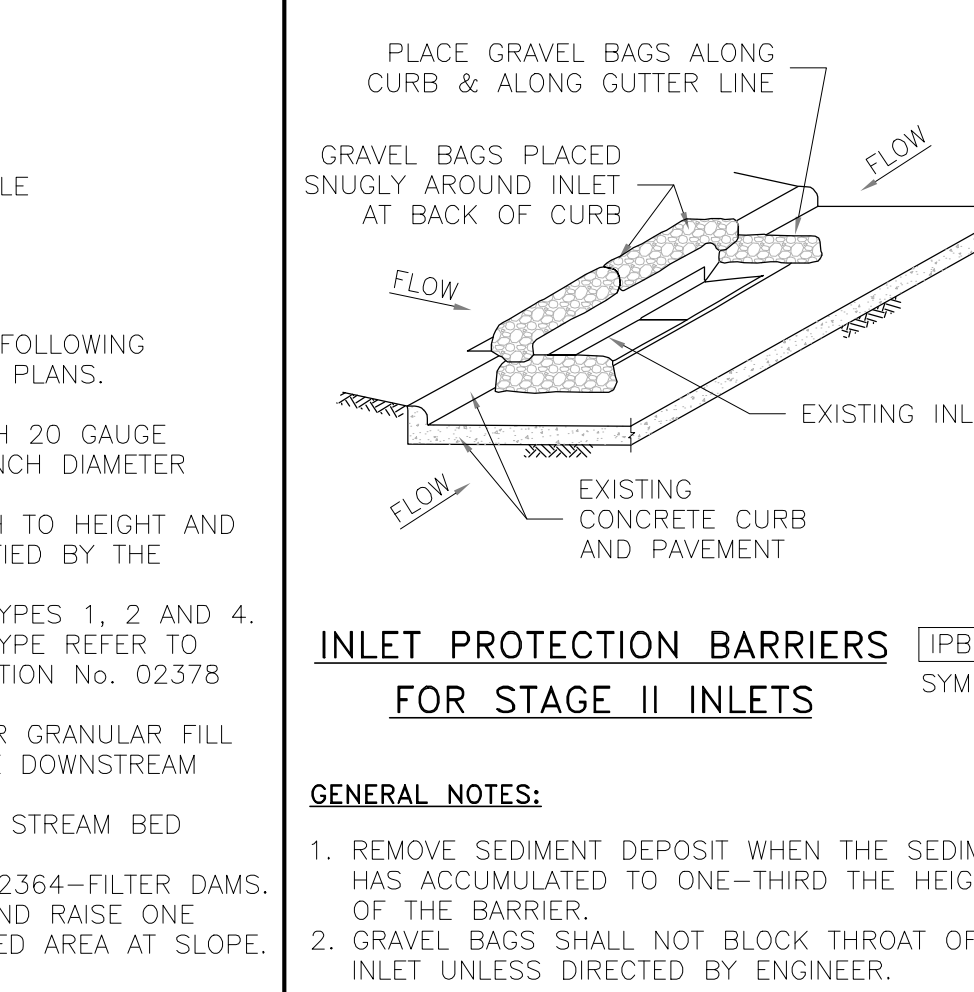
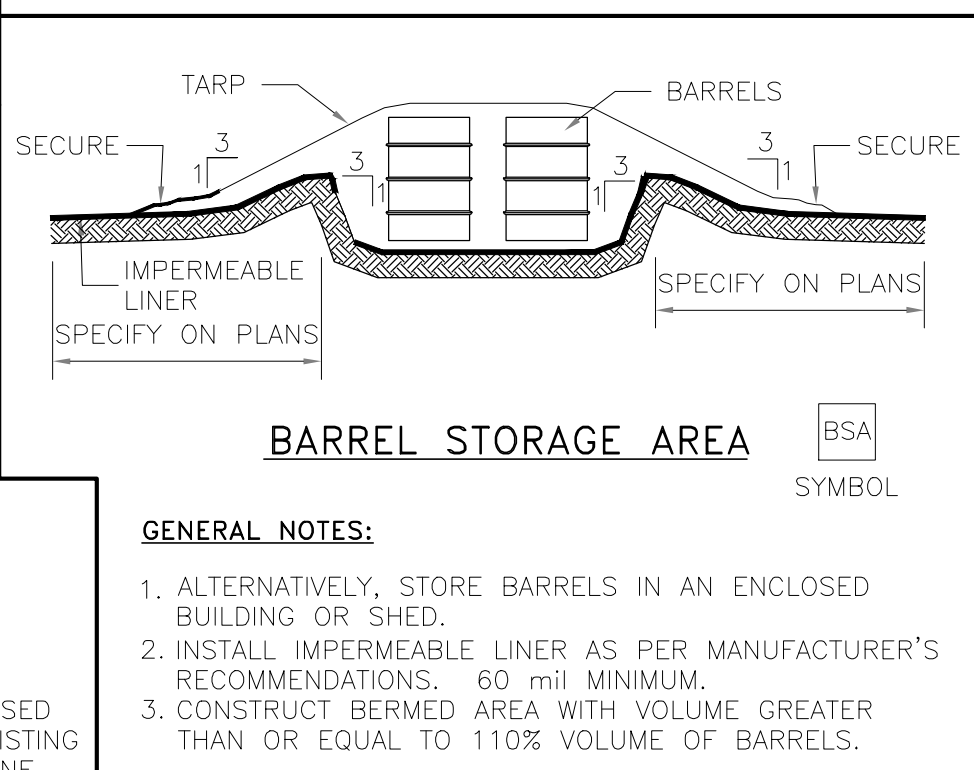
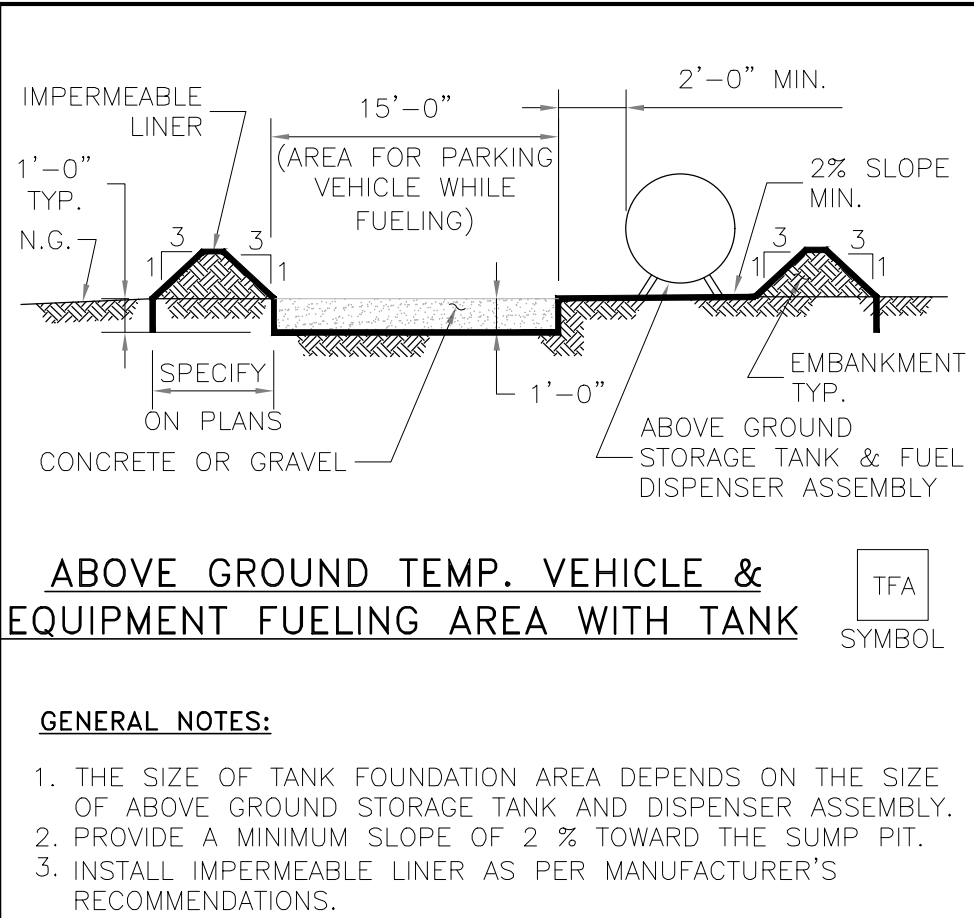
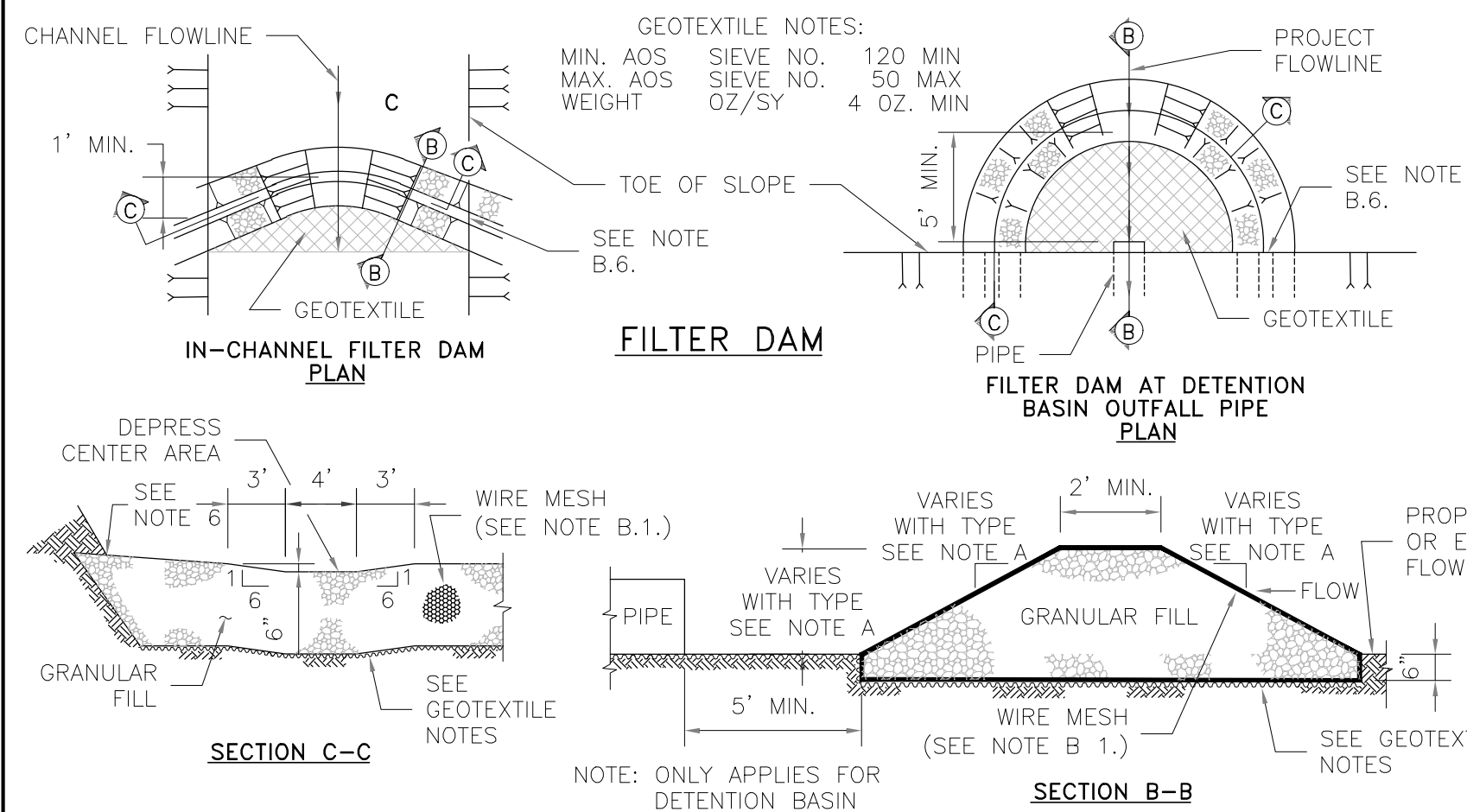
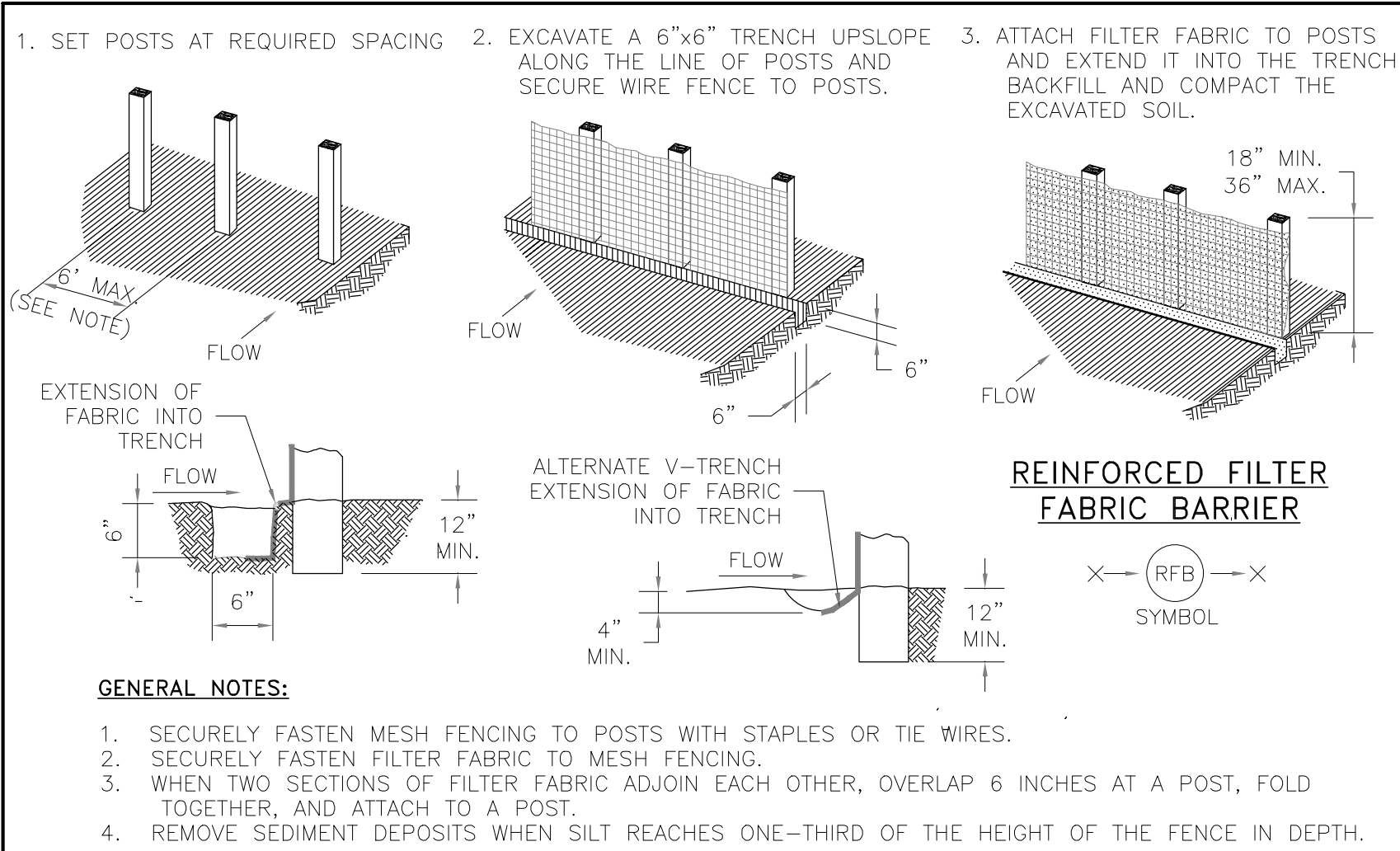
APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. 100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO. 935
SHEET NO.

CE-109

HAS FILE:C:\PWL\WORK\ATKIN\TX01\WSATKINS_LESL4438\DWG59378\I-0935-CE-501.DWG
PLOT DATE: 2024-04-19



NO.	REVISIONS	DATE	NAME
1			
2			
3			
4			

HARRIS COUNTY ENGINEERING DEPARTMENT

FOR INTERIM REVIEW ONLY

DOCUMENT INCOMPLETE:
NOT INTENDED FOR CONSTRUCTION,
BIDDING, OR PERMIT PURPOSES

ENGINEER: NAME
P.E. SERIAL No. NUMBER
DATE: / /

PROJECT TITLE:

STORM WATER POLLUTION PREVENTION

PLAN DETAILS

CIVIL STANDARD

SW3P

DATE: 8/15/17

SHEET NO.:

SWPPP GENERAL NOTES

1. SEDIMENT WILL BE RETAINED ON SITE TO THE MAXIMUM EXTENT PRACTICABLE.
2. IF DAMAGED OR RENDERED INEFFECTIVE, THE EROSION AND SEDIMENT CONTROLS WILL BE REPAIRED OR REPLACED IMMEDIATELY.
3. WHEN PUMPING (DEWATERING) STANDING STORM WATER FROM THE SITE, THE OPERATOR SHALL USE APPROPRIATE BEST MANAGEMENT PRACTICES (BMPS) FROM THE STORM WATER MANAGEMENT HANDBOOK FOR CONSTRUCTION ACTIVITIES. UNTREATED/DIRECT DISCHARGE INTO A STORM SEWER WILL NOT BE ALLOWED.
4. IF THE INTERIM PERIOD BETWEEN CONSTRUCTION OF UTILITIES AND STREET CONSTRUCTION WILL BE MORE THAN 21 DAYS, THE STREETS RIGHTS-OF-WAY WILL BE MULCHED OR OTHERWISE STABILIZED WITHIN 14 DAYS.
5. AFTER PAVING COMPLETION, NEWLY GRADED AREAS AND ALL EXPOSED SOILS WILL BE COMPLETELY STABILIZED.
6. CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE, UNLESS THEY ARE USING A PROPERLY DESIGNED AND DESIGNATED CONCRETE WASHOUT AREA.
7. EROSION AND SEDIMENT CONTROL MEASURES THAT HAVE BEEN IMPROPERLY INSTALLED OR HAVE BEEN DISABLED, RUN-OVER, REMOVED, OR OTHERWISE RENDERED INEFFECTIVE MUST BE REPLACED OR CORRECTED IMMEDIATELY.
8. MAINTENANCE AND REPAIRS WILL BE CONDUCTED WITHIN 24 HOURS OF INSPECTION REPORT.
9. ALL LITTER, TRASH AND FLOATABLE DEBRIS WILL BE CONTAINED IN DUMPSTER CONTAINER WITH CLOSING LIDS. MATERIAL DISPOSABLE SHALL BE HANDLED AT CONTRACTORS EXPENSE.

HOUSTON AIRPORT SYSTEM

GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX

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AMERICA PE FIRM REG.
#F-000474
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REVISIONS

NO.	DESCRIPTION	DATE	BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

KENSWICK DRIVE EXTENSION

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

ISSUED FOR PERMIT

PROJECT MGR: MES

DESIGNER: ALR

DRAWN BY: ALR

CHECK BY: PMW

SCALE:

DATE: 05/08/2024

STATE OF TEXAS

MEGHAN E. SHEEHAN

14485

PROFESSIONAL ENGINEER

APPROVED BY:

DIRECTOR

HOUSTON AIRPORT SYSTEM

PROJECT NO.

100072032

A.I.P. NO.

C.I.P. NO.

H.A.S. NO.

935

SHEET NO.

CE-501

HAS FILE: C:\Users\jordan\Documents\Projects\IAH\08_CADD\REF\ACAD-I-0935-XR-TTLBLK-MASTER_20.DGN
PLOT DATE: 2025-08-08

TRAFFIC SIGNAL GENERAL NOTES:

- ALL EQUIPMENT / MATERIALS AND CONSTRUCTION SHALL MEET OR EXCEED THE REQUIREMENTS CONTAINED IN THE CURRENT CITY OF HOUSTON STANDARD SPECIFICATIONS AND STANDARD DRAWINGS, THE PROJECT SPECIFIC SPECIFICATIONS AND THE PLANS.
- ALL ELECTRICAL WORK SHALL BE IN CONFORMANCE WITH THE PROVISIONS AND REQUIREMENTS OF THE CITY ELECTRICAL CODE.
- ALL SIGNS SHALL BE MANUFACTURED IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- THE CONTRACTOR SHALL ARRANGE THE INSTALLATION OF SIGNALS, POLES AND CONDUIT SO AS TO PERMIT THE CONTINUOUS MOVEMENT OF TRAFFIC IN ALL DIRECTIONS AT ALL TIMES. THE CONTRACTOR SHALL NOT CLOSE MORE THAN ONE LANE OF A ROADWAY AT ONE TIME WITHOUT PRIOR APPROVAL OF THE CITY.
- THE CONTRACTOR SHALL CLEAN UP AND REMOVE FROM THE WORK AREA ALL LOOSE MATERIAL RESULTING FROM CONTRACT OPERATIONS EACH DAY PRIOR TO WORK BEING SUSPENDED FOR THAT DAY.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER AND/OR THE APPROVED CITY OF HOUSTON REPRESENTATIVE TO ARRANGE FOR METER AND ELECTRICAL SERVICE CONNECTION FROM THE POWER COMPANY.
- ALL PEDESTRIAN PUSH BUTTON ASSEMBLIES SHALL MEET ADA REQUIREMENTS. THE SIGNS THAT SHALL BE USED ARE IDENTIFIED IN THE TMUTCD AS R10-3E.
- OVERHEAD STREET NAME SIGNS SHALL BE INSTALLED SUCH THAT THE BOTTOM OF THE SIGN IS NO LESS THAN 11 FEET ABOVE THE ROADWAY PAVEMENT OR NO LESS THAN 16 FEET ABOVE THE FINISHED GRADE BEYOND THE SHOULDER.
- THE LOCATION OF EACH NEW POLE FOUNDATION, PULL BOX, CONTROLLER CABINET FOUNDATION, UPS CABINET FOUNDATION AND ELECTRIC SERVICE PEDESTAL FOUNDATION SHALL BE MARKED IN THE FIELD AS SHOWN ON THE PLANS. THE EXACT LOCATION SHALL BE APPROVED BY THE ENGINEER AND/OR THE APPROVED CITY OF HOUSTON REPRESENTATIVE PRIOR TO BEGINNING INSTALLATION OF THE FOUNDATION.
- THE TOP OF THE POLE FOUNDATION SHALL BE LEVEL WITH THE FINISHED GRADE. IF THE SLOPE OR SHOULDER DROPS OFF FROM FINISHED GRADE, THE CONTRACTOR SHALL GRADE AROUND POLE FOUNDATION. THE TOP OF THE FOUNDATION SHALL EXTEND NO MORE THAN 4 INCHES ABOVE SURROUNDING GRADE.
- ALL CONCRETE USED FOR TRAFFIC SIGNAL POLE AND CABINET FOUNDATIONS SHALL BE CLASS "A" (REFER TO THE CITY OF HOUSTON SPECIFICATION FOR CONCRETE).
- MAST ARM POLES SHALL NOT BE INSTALLED ON THE FOUNDATIONS LESS THAN SEVEN DAYS AFTER THE PLACEMENT OF THE CONCRETE FOR THE FOUNDATION.
- ANCHOR BOLTS FOR SIGNAL POLES SHALL BE SET SO THAT TWO ARE IN COMPRESSION AND TWO ARE IN TENSION. PRIOR TO THE INSTALLATION OF THE NUT, THE THREADS OF THE ANCHOR BOLT SHALL BE COATED WITH PIPE JOINT COMPOUND.
- ALL UNDERGROUND CONSTRUCTION (CONDUIT, FOUNDATIONS AND PULL BOXES) FOR THE INTERSECTION SHALL BE COMPLETED PRIOR TO THE INSTALLATION OF POLES, SIGNALS AND CABINETS. THE CONTRACTOR SHALL NOT PROCEED TO ABOVE GROUND WORK UNTIL THE ENGINEER AND/OR APPROVED CITY OF HOUSTON REPRESENTATIVE HAD CONFIRMED THAT THE MATERIALS FOR A COMPLETE INSTALLATION ARE AVAILABLE.
- UNDERGROUND CONDUIT FOR SIGNAL CABLE SHALL BE SCHEDULE 80 ELECTRICAL PVC CONDUIT OF THE DIAMETER SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED. ALL COUPLINGS AND CONNECTIONS SHALL BE TIGHT AND WATERPROOF.
- ALL ABOVE GROUND CONDUIT FOR SIGNAL CABLE AND INTERCONNECT MEDIA SHALL BE HOT DIPPED GALVANIZED STEEL RIGID METAL CONDUIT OF THE DIAMETERS SHOWN ON THE PLANS, UNLESS OTHERWISE NOTED. ALL COUPLINGS AND CONNECTIONS SHALL BE TIGHT AND WATERPROOF.

- ONLY NEW CONDUIT AND CABLE SHALL BE INSTALLED.
- CONDUIT INSTALLED UNDER EXISTING PAVED DRIVEWAYS, ROADWAYS OR SIDEWALKS, WHICH ARE NOT SCHEDULED TO BE RECONSTRUCTED AS PART OF THIS PROJECT, SHALL BE INSTALLED BY MEANS OF BORING. THE CONTRACTOR SHALL NOT CUT OPEN ANY STREET OR DRIVEWAY FOR CONDUIT INSTALLATION WITHOUT THE PRIOR APPROVAL OF THE ENGINEER AND/OR THE APPROVED CITY OF HOUSTON REPRESENTATIVE.
- CONDUIT NOT PLACED UNDER PAVED DRIVEWAYS, ROADWAY PAVEMENT OR SIDEWALK MAY BE PLACED BY CUTTING A TRENCH, INSTALLING THE CONDUIT AND BACKFILLING. ANY TRENCHING FOR CONDUIT WIDER THAN THREE (3) INCHES SHALL BE RESODDED.
- PULL BOXES SHALL NOT BE INSTALLED WITHIN CONCRETE CURB ACCESS RAMPS. IN ADDITION, ANY PULL BOXES INSTALLED BEHIND CURBS SHALL BE INSTALLED BETWEEN THE CURB AND THE PROPOSED / FUTURE SIDEWALK OR BEYOND THE PROPOSED / FUTURE SIDEWALK. AN EXCEPTION TO THIS NOTE WOULD BE PULL BOXES INSTALLED IN A MEDIAN. ANY PULL BOXES INSTALLED ALONG AN UNCURBED ROADWAY SHALL BE INSTALLED ADJACENT TO, BUT NOT WITHIN, THE SHOULDER.
- A 5/8 IN. X 10 FT. GROUND ROD SHALL BE INSTALLED IN THE PULL BOX LOCATED ON EACH CORNER. TWO GROUND ROD CLAMPS SHALL BE FURNISHED FOR GROUNDING THE GROUND WIRE.
- ALL CONDUITS SHALL BE CLEANED BY COMPRESSED AIR AND A PROPERLY SIZED CONDUIT PISTON OR MANDREL SHALL BE PULLED THROUGH THE CONDUIT PRIOR TO CABLE INSTALLATION.
- WHEN PULLING TRAFFIC SIGNAL SYSTEM CABLES THROUGH CONDUIT, THE CABLES SHALL BE LUBRICATED WITH A LUBRICANT NORMALLY USED FOR THIS PURPOSE. ANY ABRASION TO ANY CONDUCTOR INSULATION WHICH OCCURS WHILE PULLING CABLE FOR THE TRAFFIC SIGNAL SYSTEM WILL BE CAUSE FOR THE IMMEDIATE REJECTION OF THE CABLE. IF THIS OCCURS, THE CONTRACTOR SHALL REMOVE AND REPLACE THE ENTIRE CABLE RUN AT THEIR EXPENSE.
- A MINIMUM OF THREE (3) FEET OF EACH WIRE AND CABLE MEASURED FROM THE TOP OF THE PULL BOX SHALL BE LEFT IN EACH PULL BOX AND AT EACH POLE BASE.
- ALL CABLES SHALL BE STRIPPED, FORMED AND TERMINATED IN A NEAT AND UNIFORM MANNER WHETHER IN THE SIGNAL HEAD OR CONTROLLER CABINET. ALL CABLE SHALL BE BROUGHT INTO THE TERMINAL HOUSING OF SIGNALS AND/OR CONTROLLER CABINETS AND A SUFFICIENT LENGTH OF CABLE SHALL BE LEFT SO THAT ALL TERMINAL CONNECTIONS MAY BE MADE WITHOUT THE NECESSITY OF SPLICING THE CABLE.
- THE HIGH VOLTAGE CABLES SHOULD BE SEPARATED FROM THE LOW VOLTAGE CABLES AS MUCH AS POSSIBLE.
- NO LOOP DETECTOR SHALL BE CUT IN A PARALLEL EXPANSION JOINT. LOOPS CUT ACROSS EXPANSION JOINTS SHALL HAVE A SLACK IN THE CABLE FOR EXPANSION.
- ALL VEHICLE ROADWAY DETECTION LOOP CABLES SHALL BE #14 AWG IMSA 51-5-1985 CABLE. LEAD-IN CABLES SHALL BE #14 AWG IMSA 50-2-1984 CABLE. NO SPLICES SHALL BE ALLOWED IN THE ROADWAY DETECTION LOOP CABLE EXCEPT AT THE PULL BOX ADJACENT TO LOOP. THE DETECTOR LEAD-IN CABLE SHALL NOT BE SPLICED.
- DETECTION LOOP SAW CUTS SHALL BE FLUSHED WITH WATER UNDER PRESSURE AND THEN DRIED WITH AIR UNDER PRESSURE.
- THERE SHALL BE NO SPLICING IN CONDUCTORS EXCEPT FOR THE NECESSARY SPLICE BETWEEN ROADWAY LOOP WIRE AND DETECTOR LEAD-IN CABLE IN THE PULL BOX ADJACENT TO THE DETECTOR. THESE SPLICES SHALL BE WATERPROOF AND SHALL BE IN COMPLIANCE WITH THE CITY OF HOUSTON STANDARD DRAWINGS FOR TRAFFIC SIGNAL CONSTRUCTION. THESE SPLICES SHALL BE MADE BY THE CONTRACTOR. DO NOT GROUND THE CABLE SHIELD AT THE PULL BOX.

- TWO #10 AWG-XHHW CONDUCTORS SHALL BE INSTALLED FROM EACH LUMINAIRE TO THE CONTROLLER CABINET, LEAVING THREE FEET OF SLACK FOR EACH CONDUCTOR (MEASURED FROM THE TOP OF THE PULL BOX) IN EACH PULL BOX. ROUTE FOUR CONDUCTORS TO THE LUMINAIRE WITH THE PHOTOELECTRIC CELL. AN IN-LINE FUSE SHALL BE INSTALLED FOR EACH LUMINAIRE IN THE ASSOCIATED PULL BOX.
- THE EMERGENCY VEHICLE PREEMPTION SENSOR CABLE SHALL BE OPTICOM DETECTOR CABLE MODEL NO. 138. THE CABLE SHALL NOT BE SPLICED.
- ALL VEHICLE AND PEDESTRIAN INDICATIONS SHALL BE LED.
- THE CONTRACTOR SHALL BAG ALL NEWLY INSTALLED VEHICULAR AND/OR PEDESTRIAN TRAFFIC SIGNAL HEADS WITH BURLAP OR OTHER APPROVED MATERIAL UNTIL THE FINAL INSPECTION AND ACCEPTANCE BY THE CITY TRAFFIC ENGINEER AND/OR APPROVED CITY OF HOUSTON REPRESENTATIVE. THE BURLAP OR OTHER APPROVED MATERIAL/DEVICE SHALL COMPLETELY COVER THE TRAFFIC SIGNAL HEAD AND SHALL OBSCURE THE VIEW OF THE TRAFFIC SIGNAL INDICATIONS SO THAT THEY CANNOT BE SEEN UNTIL THE TRAFFIC SIGNAL IS PLACED IN OPERATION. DURING CONSTRUCTION, THE TRAFFIC SIGNAL WILL BE DE-ENERGIZED WHILE NOT IN USE FOR TESTING.
- THE TRAFFIC SIGNAL OPERATION AT EXISTING SIGNALIZED INTERSECTIONS SHALL BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT.
- ALL STRIPING AND PAVEMENT MARKINGS ARE TO BE DONE UNDER THIS CONTRACT AND SHALL BE IN PLACE PRIOR TO THE ACTIVATION OF THE TRAFFIC SIGNAL. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL STOP LINES PRIOR TO THE INSTALLATION OF LOOP.
- ALL CONSTRUCTION SIGNING AND CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- CONTRACTOR SHALL VERIFY ALL ROW & WALKWAY EASEMENT LIMITS PRIOR TO THE INSTALLATION OF ANY SIGNAL EQUIPMENT.



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#F-000474
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REVISIONS		
NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC SIGNAL
GENERAL NOTES

ISSUED FOR PERMIT

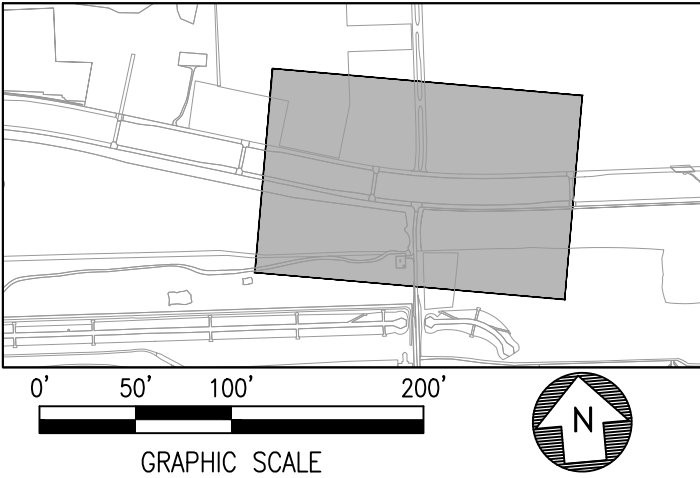
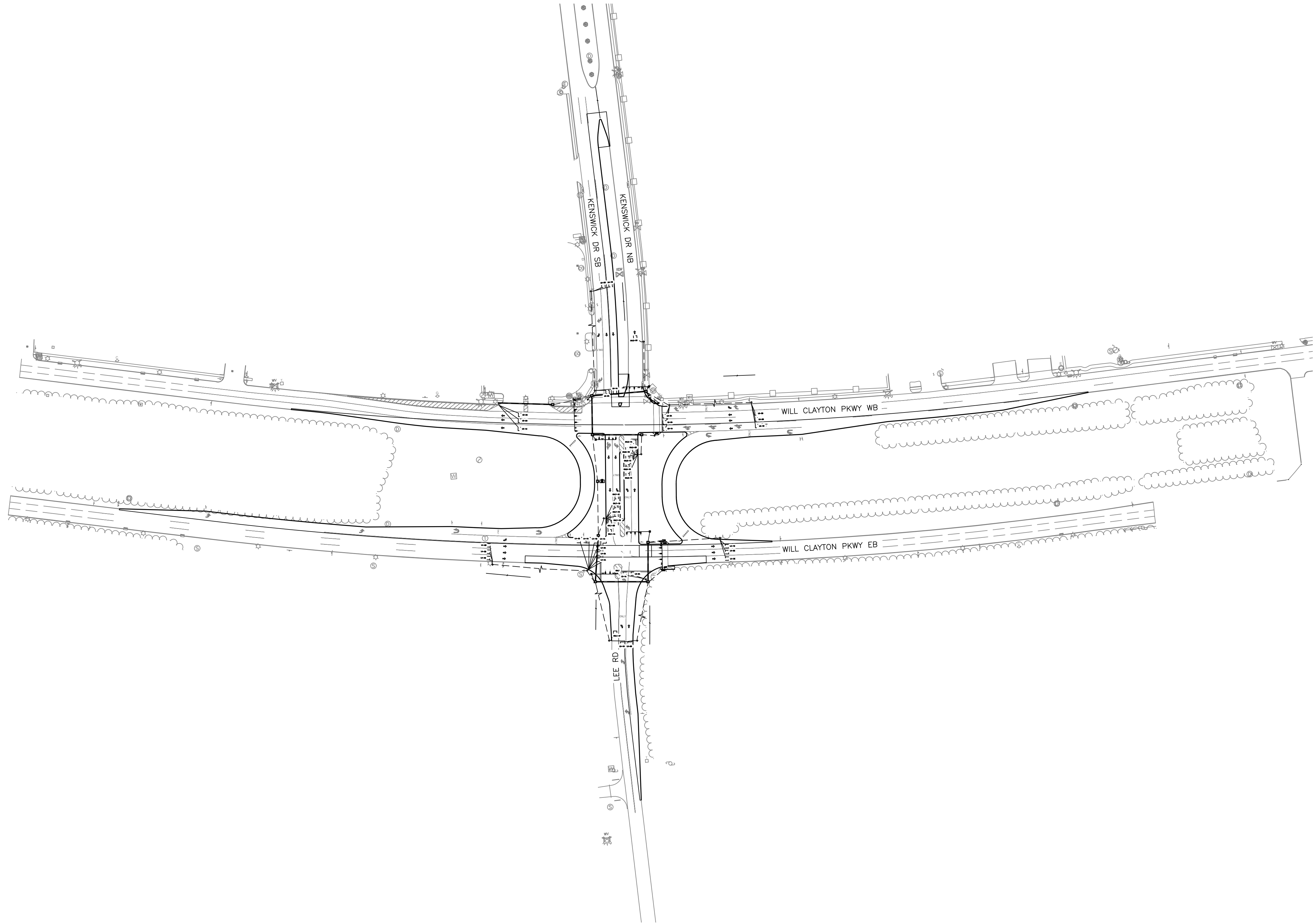
PROJECT MGR:	MES
DESIGNER:	KJV
DRAWN BY:	KJV
CHECK BY:	MES
SCALE:	
DATE:	05/08/2024

Cesar R. Nevarez
05/08/2024

APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	

PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO. 116 OF 125	

HAS FILE:C:\PW_WORK\ATKIN\TX01\WSATKINS_DOTR3544\DWG59378_-0935-CS-101.DWG
PLOT DATE:2024-04-19



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REVISIONS		
NO.	DESCRIPTION	DATE BY

STATE OF TEXAS
COUNTY OF HARRIS
REGISTERED PROFESSIONAL ENGINEER
No. 106188
Cesar R. Nevarez
Professional Engineer
05/08/2024

Cesar R. Nevarez, P.E.

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
**KENSWICK DRIVE EXTENSION
OVERALL SIGNALIZATION PLAN**
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024

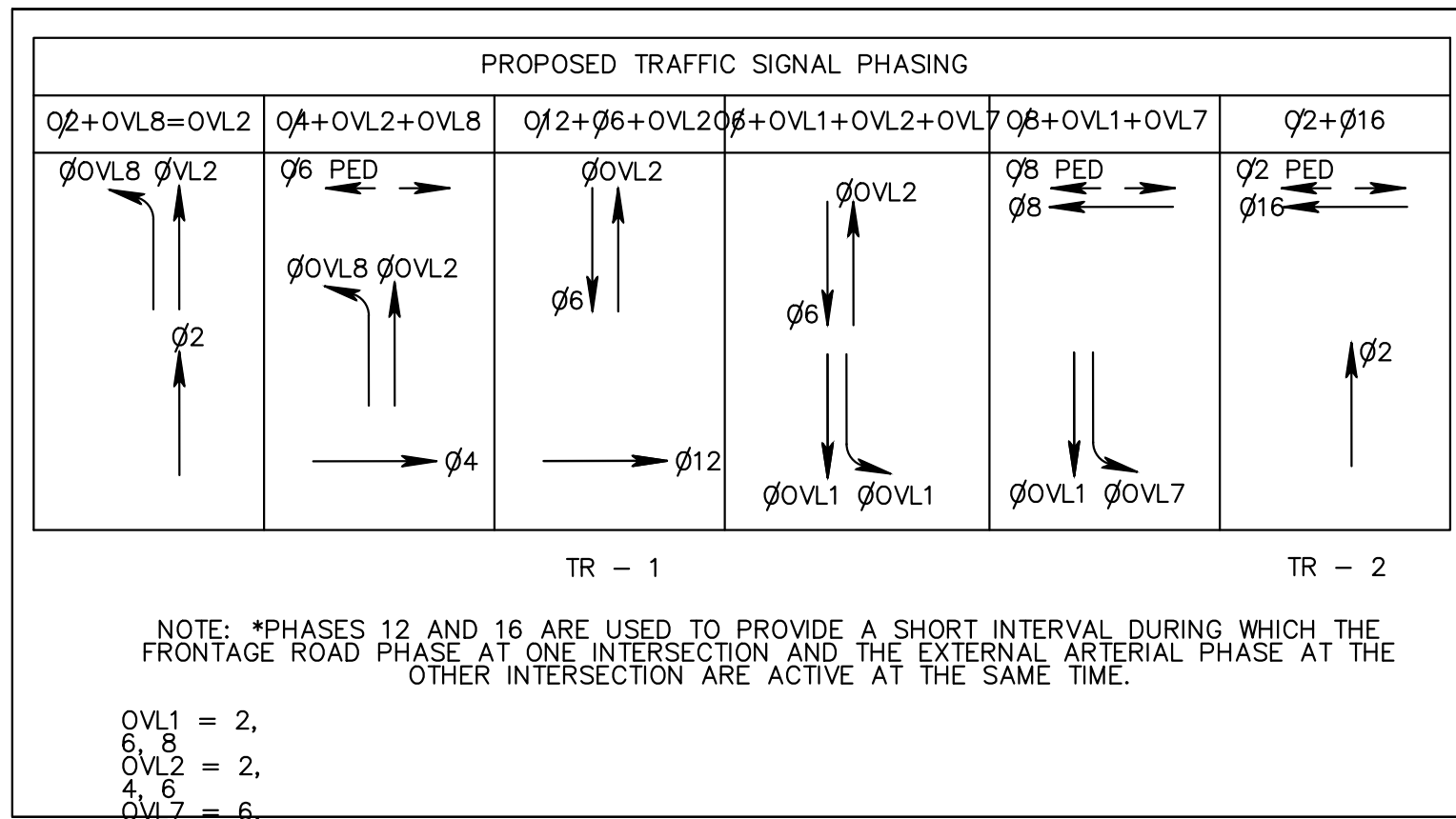
STATE OF TEXAS
COUNTY OF HARRIS
REGISTERED PROFESSIONAL ENGINEER
No. 106188
Cesar R. Nevarez
Professional Engineer
05/08/2024

Cesar R. Nevarez, P.E.

APPROVED BY:

DIRECTOR
HOUSTON AIRPORT SYSTEM

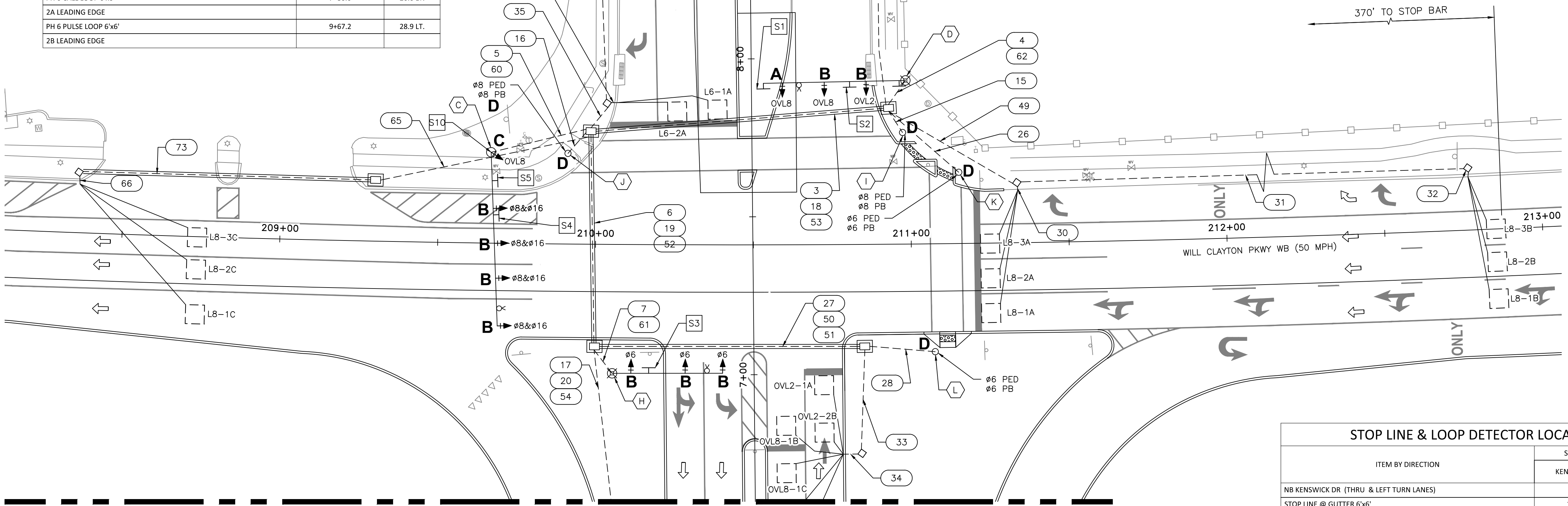
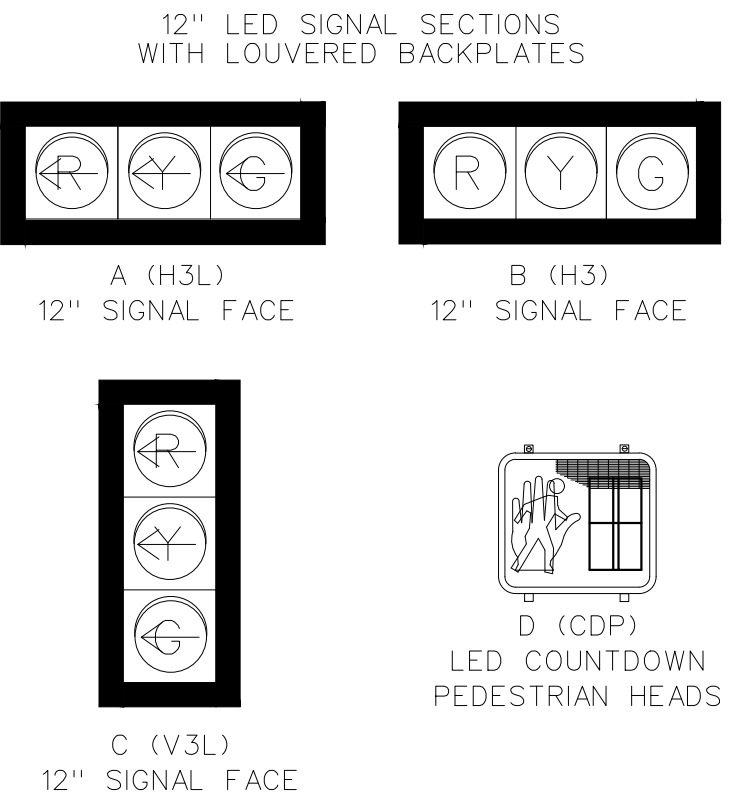
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	



STOP LINE & LOOP DETECTOR LOCATIONS		
ITEM BY DIRECTION	STATION	OFFSET
	KENSWICK DR	
SB KENSWICK DR (THRU LANES)		
STOP LINE @ GUTTER 6'x6'	7+78.5	45.1 LT.
STOP LINE @ MEDIAN	7+79.7	4.6 LT.
PH 6 CALL LOOP 6'x6'	7+87.0	13.8 LT.
1A LEADING EDGE		
PH 6 PULSE LOOP 6'x6'	9+67.4	16.3 LT.
1B LEADING EDGE		
PH 6 CALL LOOP 6'x6'	7+86.6	26.6 LT.
2A LEADING EDGE		
PH 6 PULSE LOOP 6'x6'	9+67.2	28.9 LT.
2B LEADING EDGE		

STOP LINE & LOOP DETECTOR LOCATIONS		
ITEM BY DIRECTION	STATION	OFFSET
	WILL CLAYTON PKWY	
WB WILL CLAYTON PKWY (THRU LANES)		
STOP LINE @ GUTTER 6'x6'	211+19.9	16.9 LT.
PH 8 CALL LOOP 6'x6'	211+28.0	CENTERED IN LANE
1A LEADING EDGE		
PH 8 PULSE LOOP 6'x6'	212+82.3	CENTERED IN LANE
1B LEADING EDGE		
PH 8 CALL LOOP 6'x6'	211+28.0	CENTERED IN LANE
2A LEADING EDGE		
PH 8 PULSE LOOP 6'x6'	212+82.3	CENTERED IN LANE
2B LEADING EDGE		
PH 8 CALL LOOP 6'x6'	21+28.0	CENTERED IN LANE
3A LEADING EDGE		
PH 8 CALL LOOP 6'x6'	212+82.3	CENTERED IN LANE
3B LEADING EDGE		
PH8 DOWNSTREAM LOOP 6'x6'	208+70.8	CENTERED IN LANE
1C LEADING EDGE		
PH8 DOWNSTREAM LOOP 6'x6'	208+70.8	CENTERED IN LANE
2C LEADING EDGE		
PH8 DOWNSTREAM LOOP 6'x6'	208+70.8	CENTERED IN LANE
3C LEADING EDGE		

PROPOSED SIGNAL FACES



SEE MATCHLINE SHEET CS-103

- NOTES
- INSTALL WIRELESS COMMUNICATION SYSTEM. (CELLULAR). REFER TO COMMUNICATION INSTALLATION DETAILS SHEET FOR ADDITIONAL INFORMATION
 - THE CONSTRUCTION SHALL BE MAINTAINED AND KEEP OPERATIONAL ALL INTELLIGENT TRANSPORTATION SYSTEMS (ITS) INFRASTRUCTURE DURING CONSTRUCTION. INFRASTRUCTURE INCLUDES, BUT IS NOT LIMITED TO, FIBER CABLE, COPPER, ETHERNET SWITCHES, BLUETOOTH, ETC. INTERRUPTION OF ITS OPERATIONS SHALL REQUIRE APPROVAL FROM THE CITY OF HOUSTON OPERATIONS DIVISION/ITS SECTION AT A MINIMUM OF ONE WEEK IN ADVANCE. PLEASE CONTACT THE TRAFFIC OPERATION DIVISION/ITS SECTION FOR QUESTIONS AT 713.881.3172.
 - REFER TO PED AND CURB RAMP LAYOUT DETAILS FOR ADDITIONAL INFORMATION.
 - CONTRACTOR SHALL COORDINATE ANY TREE PRUNING WITH CITY OF HOUSTON PRIOR TO AND DURING CONSTRUCTION.
 - PLEASE REFER TO ROADWAY SHEETS FOR CURB RAMP DETAILS.

- KEY NOTES
- S1 R3-5L (30"x36") SIGN "LEFT TURN ONLY"
 - S2 STREET NAME SIGN "WB Will Clayton Pkwy" WITH BLOCK NUMBER 6600
 - S3 STREET NAME SIGN "Will Clayton Pkwy" WITH BLOCK NUMBER 6600
 - S4 STREET NAME SIGN "Lee Road/Kenswick Drive" WITH BLOCK NUMBERS 18000 AND 18200
 - S5 R3-7R (30"x30") SIGN "RIGHT LANE MUST TURN RIGHT"
 - S10 R3-5L (30"x36") SIGN "LEFT TURN ONLY"

- LEGEND
- | | | | |
|-----------------------------------|---|--------------------------------------|------|
| TRAFFIC SIGNAL POLE | ○ | CONDUIT | — |
| PEDESTAL POLE | ○ | VIDEO DETECTION CAMERA | — |
| POLE W/MAST ARM | — | PRE-EMPT SENSOR | — |
| VEHICLE SIGNAL HEAD | — | LUMINAIRE | — |
| VEHICLE SIGNAL HEAD W/BALCK PLATE | — | LUMINAIRE W/ PHOTO CELL | — |
| PEDESTRIAN SIGNAL HEAD | — | CONTROLLER CABINET | — |
| PEDESTRIAN PUSH BUTTON | — | METERED POWER PEDESTAL | — |
| PULL BOX - TYPE A | — | POLE MOUNTED METER | — |
| PULL BOX - TYPE B | — | FIBER OPTIC CONDUIT | —FO— |
| PULL BOX - TYPE C | — | MAST ARM SIGN | — |
| PULL BOX - TYPE B W/EXTENSION | — | DIRECTIONAL ARROWS | — |
| | — | CURB RAMP DETECTABLE WARNING SURFACE | — |

STOP LINE & LOOP DETECTOR LOCATIONS		
ITEM BY DIRECTION	STATION	OFFSET
	KENSWICK DR	
NB KENSWICK DR (THRU & LEFT TURN LANES)		
STOP LINE @ GUTTER 6'x6'	7+01.7	28.0 RT.
STOP LINE @ MEDIAN 6'x6'	6+77.7	16.0 RT.
OVL2 PRESENCE LOOP 6'x6'	6+93.5	25.0 RT.
1A LEADING EDGE		
OVL8 PRESENCE LOOP 6'x6'	6+80.7	13.0 RT.
1B LEADING EDGE		
OVL8 PRESENCE LOOP 6'x6'	6+71.7	13.0 RT.
1C LEADING EDGE		
OVL8 PRESENCE LOOP 6'x6'	6+56.7	13.0 RT.
1D LEADING EDGE		
OVL2 PRESENCE LOOP 6'x6'	6+41.7	13.0 RT.
2E LEADING EDGE		
OVL2 PRESENCE LOOP 6'x6'	6+78.5	25.1 RT.
2B LEADING EDGE		
OVL2 DOWNSTREAM LOOP 6'x6'	8+90.3	28.7 RT.
2C LEADING EDGE		

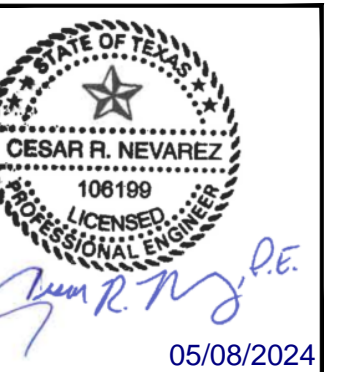
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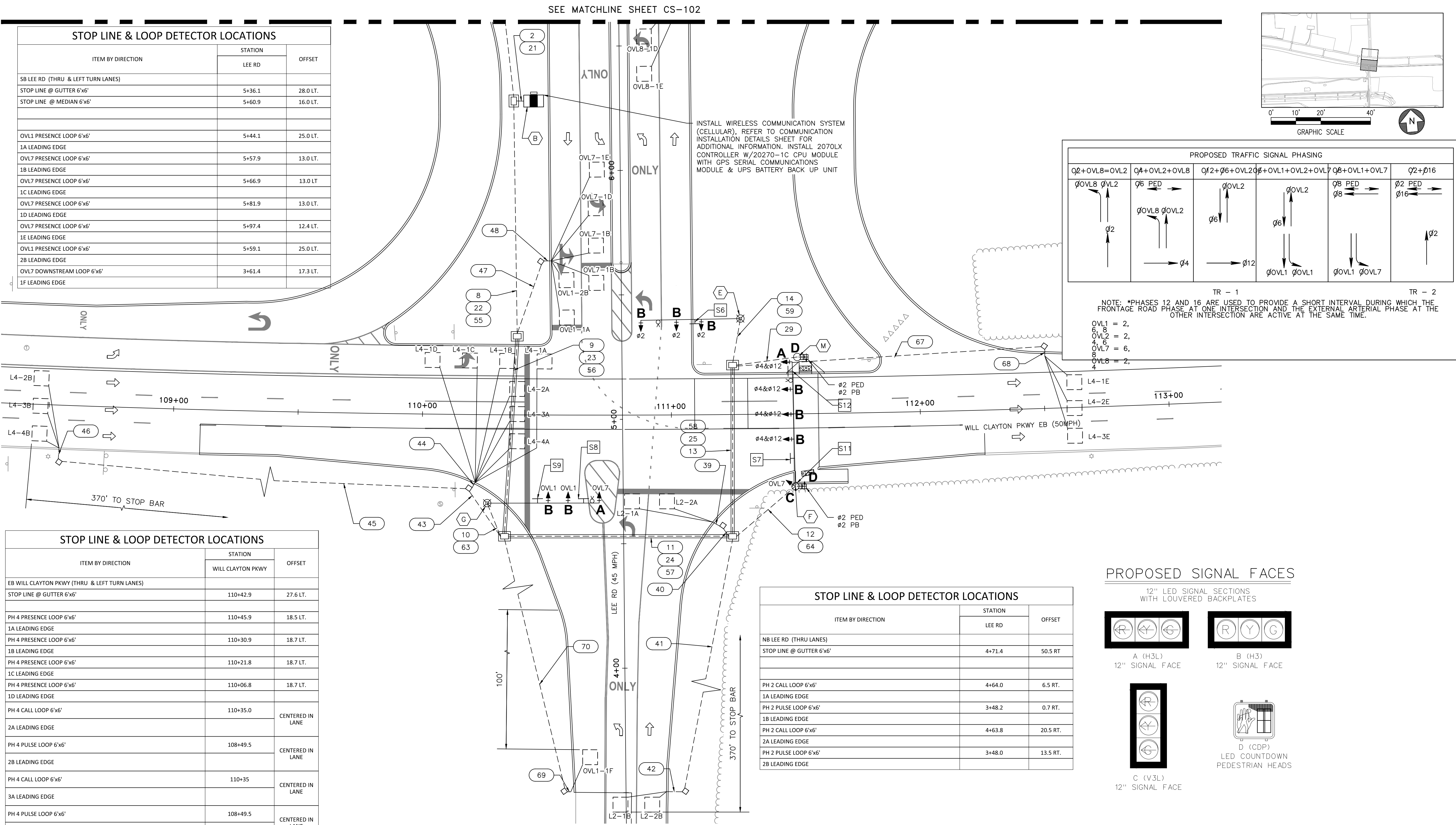
GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
SIGNALIZATION PLAN
ISSUED FOR PERMIT

PROJECT MGR:	MES
DESIGNER:	ALR
DRAWN BY:	ALR
CHECK BY:	PMW
SCALE:	
DATE:	05/08/2024



APPROVED BY:	
DIRECTOR HOUSTON AIRPORT SYSTEM	
PROJECT NO.	100072032
A.I.P. NO.	
C.I.P. NO.	
H.A.S. NO.	935
SHEET NO.	

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PLOT DATE: 2024-04-19



NOTES

- INSTALL WIRELESS COMMUNICATION SYSTEM, (CELLULAR), REFER TO COMMUNICATION INSTALLATION DETAILS SHEET FOR ADDITIONAL INFORMATION
- THE CONSTRUCTION SHALL BE MAINTAINED AND KEEP OPERATIONAL ALL INTELLIGENT TRANSPORTATION SYSTEMS (ITS) INFRASTRUCTURE DURING CONSTRUCTION. INFRASTRUCTURE INCLUDES, BUT IS NOT LIMITED TO, FIBER CABLE, COPPER, ETHERNET SWITCHES, BLUETOOTH, ETC. INTERRUPTION OF ITS OPERATIONS SHALL REQUIRE APPROVAL FROM THE CITY OF HOUSTON OPERATIONS DIVISION/ITS SECTION AT A MINIMUM OF ONE WEEK IN ADVANCE. PLEASE CONTACT THE TRAFFIC OPERATION DIVISION/ITS SECTION FOR QUESTIONS AT 713.881.3172.
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- PLEASE REFER TO ROADWAY SHEETS FOR CURB RAMP DETAILS.

KEY NOTES

- S6 STREET NAME SIGN "Will Clayton Pkwy" WITH BLOCK NUMBER 6600
- S7 STREET NAME SIGN "Kenswick Dr/Lee Road" WITH BLOCK NUMBERS 18200 AND 18000
- S8 R3-5L (30"x36") SIGN "LEFT TURN ONLY"
- S9 STREET NAME SIGN "EB Will Clayton Pkwy" WITH BLOCK NUMBER 6600
- S11 R3-5L (30"x36") SIGN "LEFT TURN ONLY"
- S12 R3-5L (30"x36") SIGN "LEFT TURN ONLY"

LEGEND

- | | | | |
|-----------------------------------|---|--------------------------------------|------|
| TRAFFIC SIGNAL POLE | ○ | CONDUIT | — |
| PEDESTAL POLE | ○ | VIDEO DETECTION CAMERA | — |
| POLE W/MAST ARM | ○ | PRE-EMPT SENSOR | — |
| VEHICLE SIGNAL HEAD | ↓ | LUMINAIRE | — |
| VEHICLE SIGNAL HEAD W/BALCK PLATE | ↓ | LUMINAIRE W/ PHOTO CELL | — |
| PEDESTRIAN SIGNAL HEAD | — | CONTROLLER CABINET | — |
| PEDESTRIAN PUSH BUTTON | — | METERED POWER PEDESTAL | — |
| PULL BOX - TYPE A | ◇ | POLE MOUNTED METER | — |
| PULL BOX - TYPE B | □ | FIBER OPTIC CONDUIT | —F0— |
| PULL BOX - TYPE C | — | MAST ARM SIGN | — |
| PULL BOX - TYPE B W/EXTENSION | — | DIRECTIONAL ARROWS | — |
| | — | CURB RAMP DETECTABLE WARNING SURFACE | — |

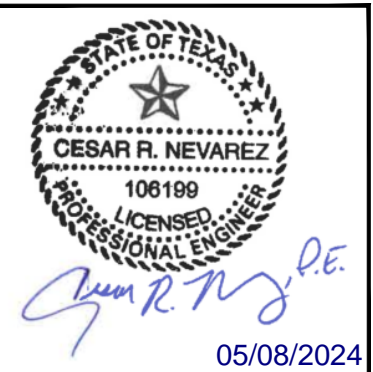
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NO.	DESCRIPTION	DATE	BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)
KENSWICK DRIVE EXTENSION
SIGNALIZATION PLAN

ISSUED FOR PERMIT

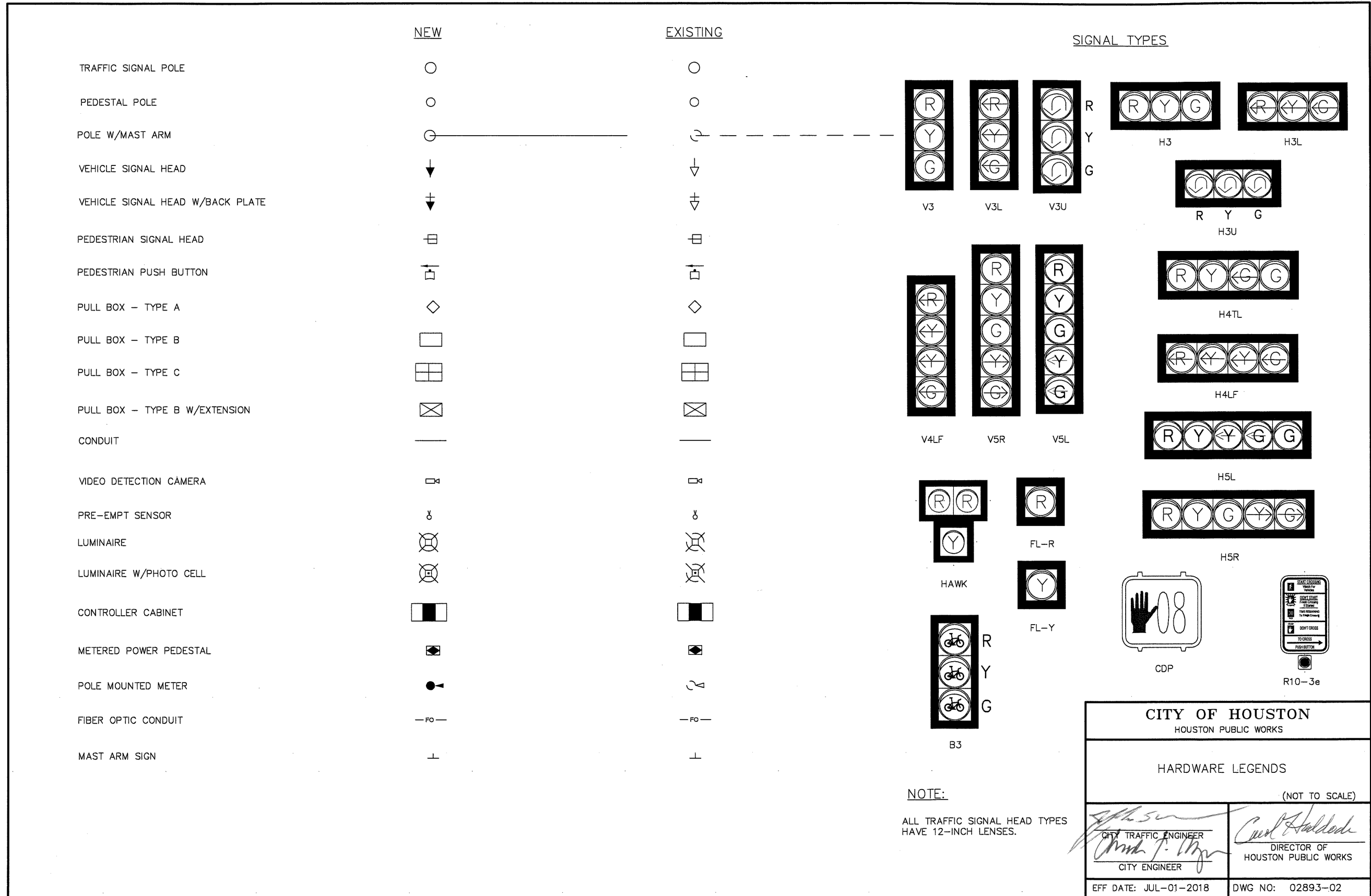
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DRAWN BY: ALR
CHECK BY: PMW
SCALE:
DATE: 05/08/2024



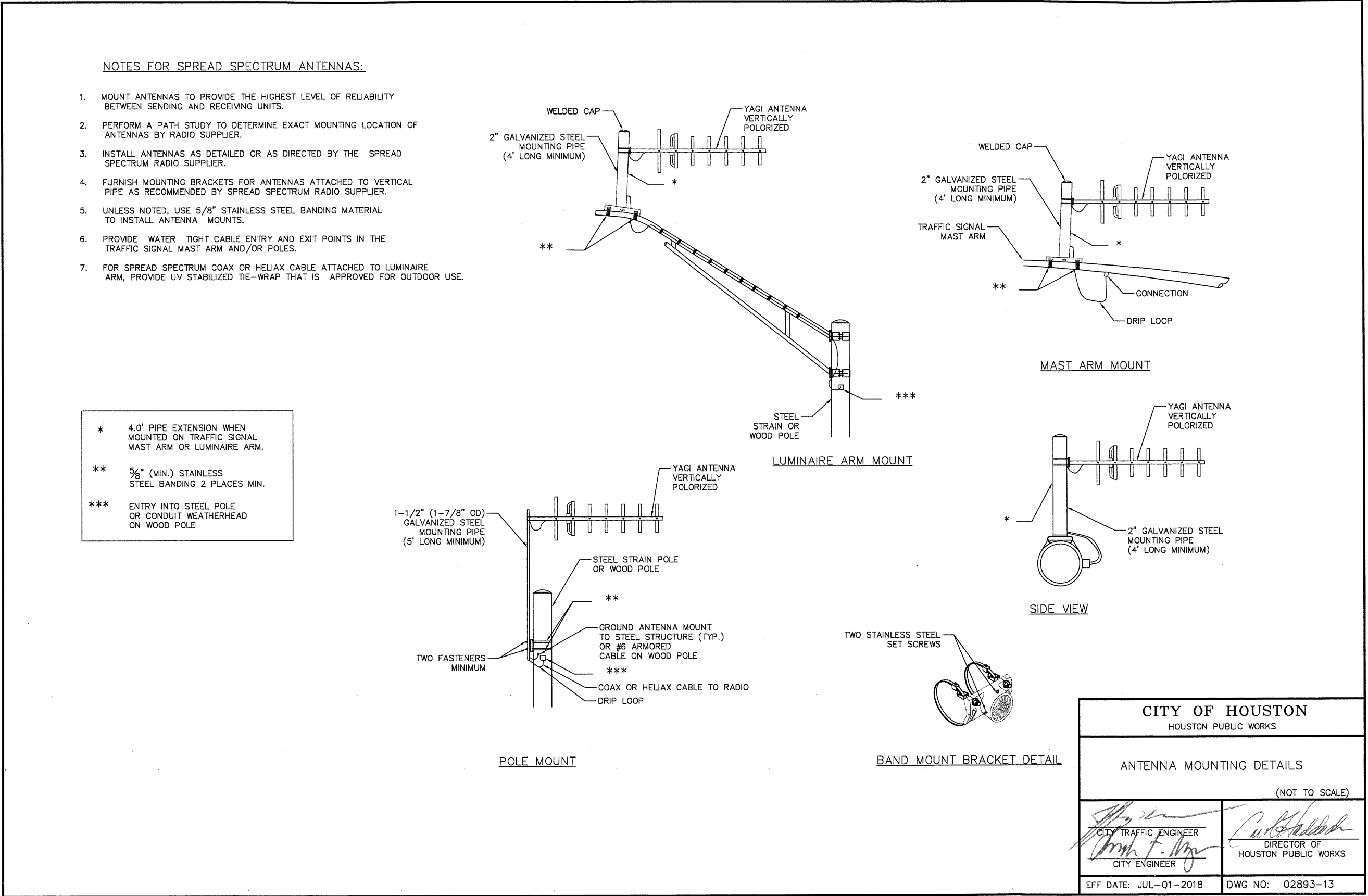
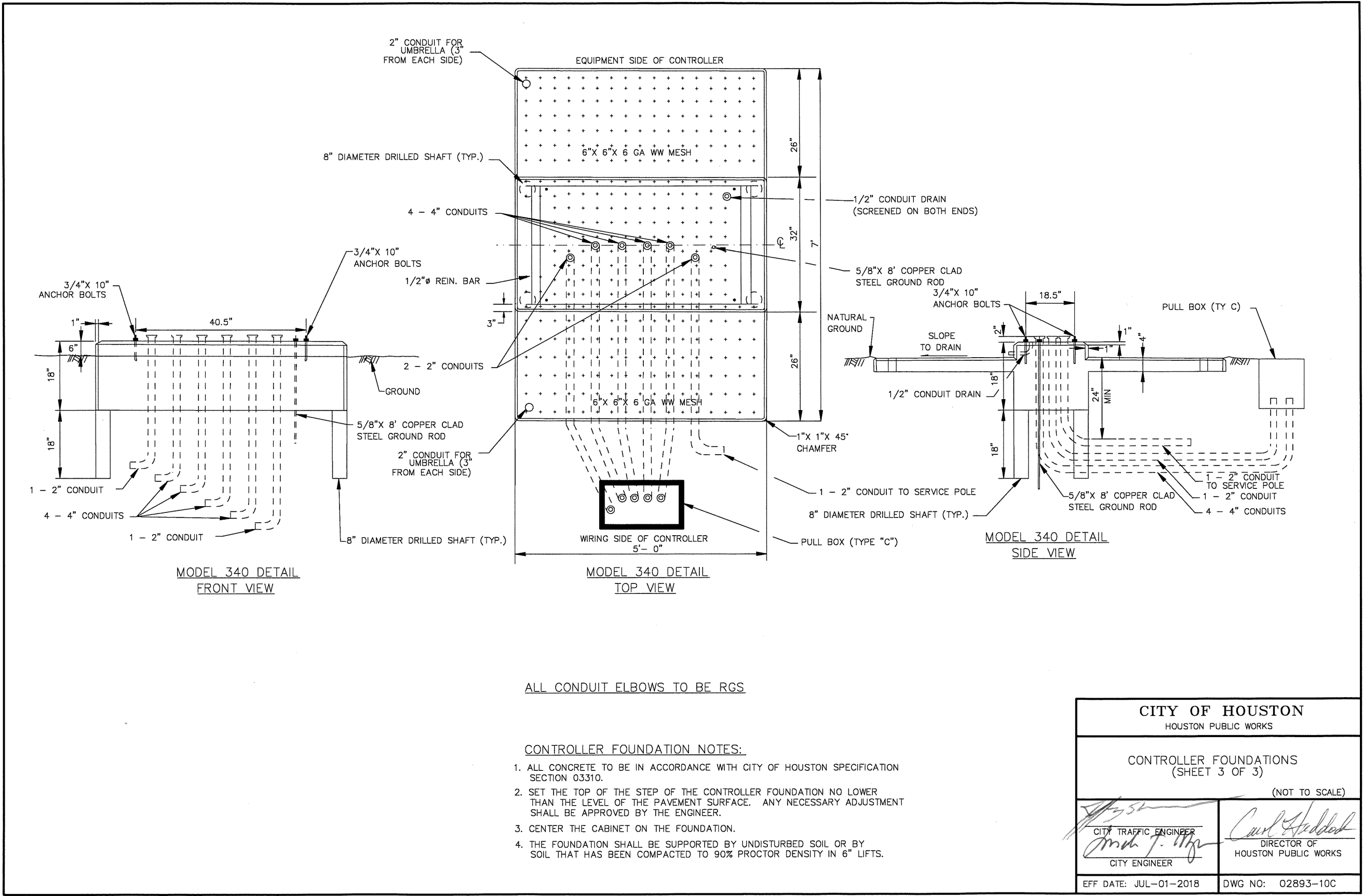
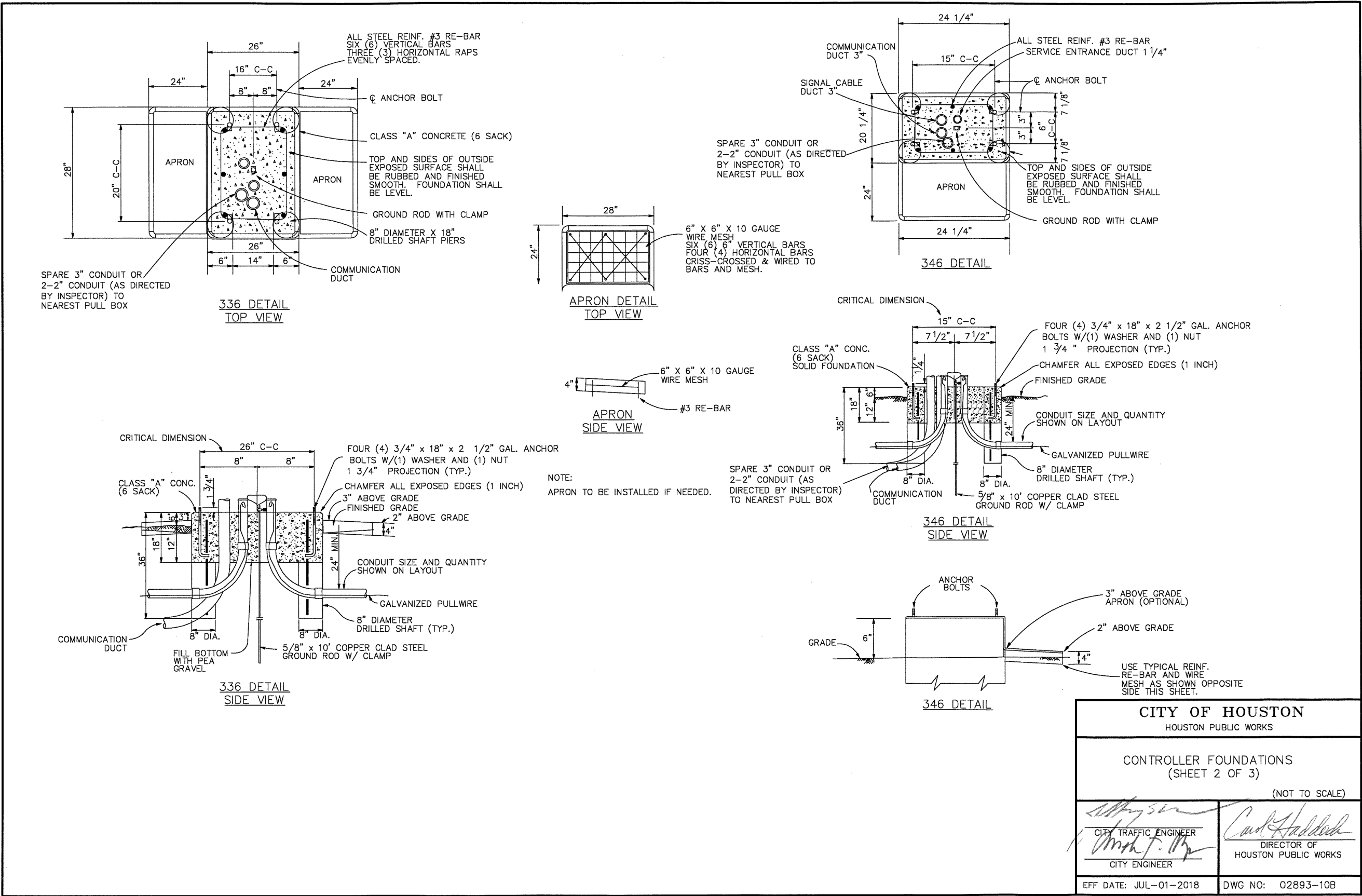
APPROVED BY:
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.
C.I.P. NO.
H.A.S. NO.
935
SHEET NO.

HAS FILE: C:\Users\jordan\OneDrive\Documents\PROJECTS\JAH\08-CAAD\REF\ACAD--0935-XR-TLBLX-MASTER_20.DGN



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REVISIONS

NO.	DESCRIPTION	DATE BY

GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC SIGNAL DETAILS

ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: KJV
DRAWN BY: KJV
CHECK BY: MES
SCALE:
DATE: 05/08/2024



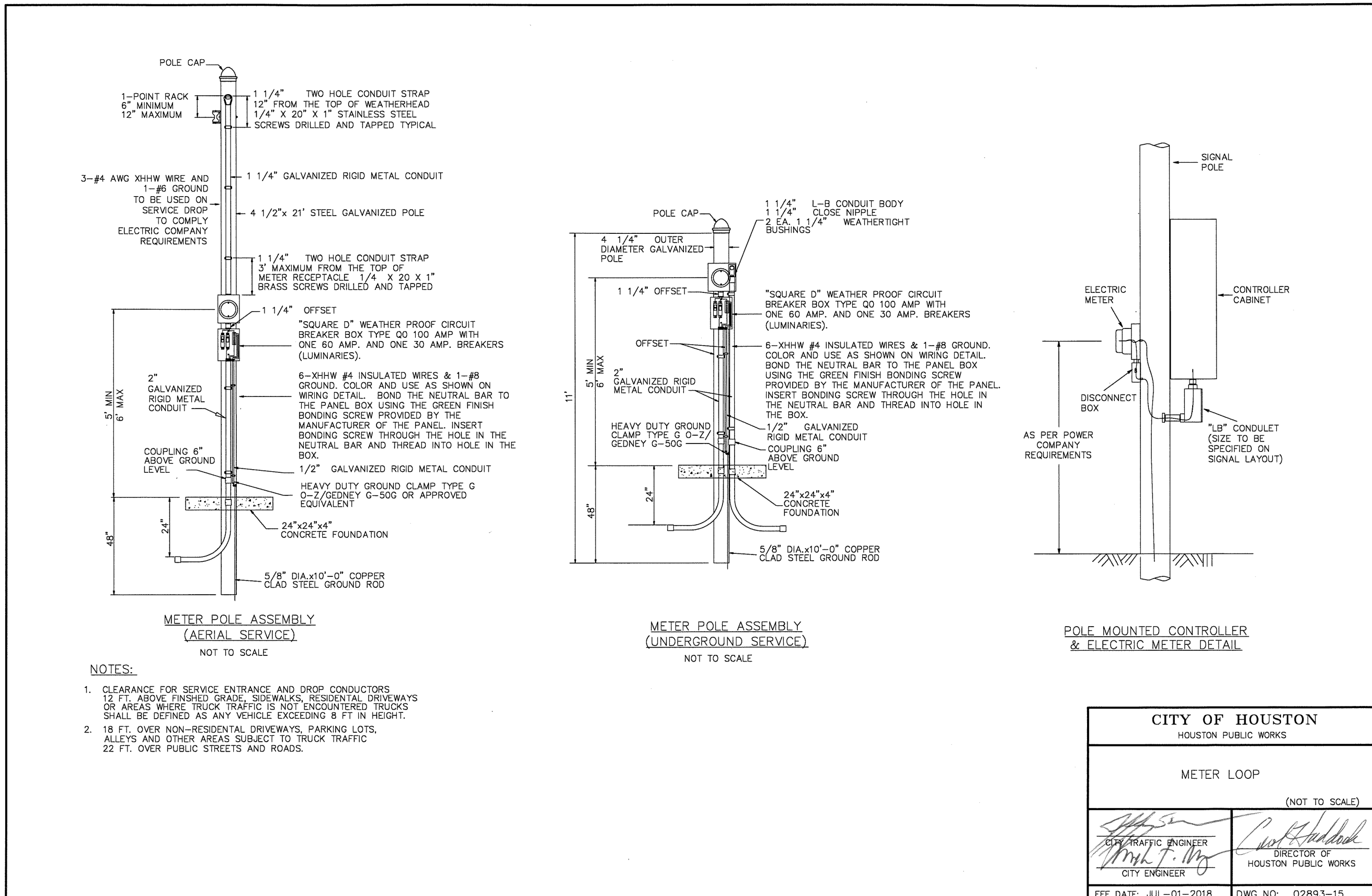
APPROVED BY:

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HOUSTON AIRPORT SYSTEM

PROJECT NO.
100072032
A.I.P. NO.

C.I.P. NO.

H.A.S. NO.
935
SHEET NO. 122 OF 125



Cellular Modem Installation - Material List		
Item	Description	Quantity
1	Managed Field Hardened Ethernet Switch (1)	1
2	Meraki Router (2)	1
3	Bluetooth reader (2) and antenna	1
4	Battery Backup Unit	1
5	Ethernet cable	1F
6	Shelf mounting on DIN rail	2

<h1 style="margin: 0;">CITY OF HOUSTON</h1> <p style="margin: 0;">DEPARTMENT OF PUBLIC WORKS AND ENGINEERING</p>	
<h2 style="margin: 0;">Communication Installation Details</h2>	
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SHEET NO. 1 OF 1	

HAS FILE: \\P01001-2020-08\JTS\PROJECTS\IAH\08_CADD\REF\ACAD-I--0935--XR--TTLBLX-MASTER_20.DGN
PLOT DATE: 2020-08-08

PROPOSED TRAFFIC SIGNAL POLE SCHEDULE (KENSWICK DR)									
POLE NUMBER	POLE NUMBER	POLE TYPE	MAST ARM	SIGNALS		PED PB TYPE/SIGN	REMARKS	LOCATION	STANDARDS
				MOUNTING	FACE				
POLE C		TYPE -2	55'	4 - ASTRO-BRAC 1 - SIDE OF POLE	4 - H3 1 - V3L	-	PRE-EMPT SENSOR, SIGNS: S4 = STREET NAME S5 = R3-7R (30 X 30) S10 = R3-5L (30 X 36)	AT APPROXIMATE POLE C-STA 7+71.2, 82.6' LT SB KENSWICK DR CONST CL	02893-02 02893-03 02893-04A 02893-04B 02893-05 02893-09 02893-12
POLE D		TYPE -2	45' W/ LUM (106-WATT SYSTEM MAX LED COBRA HEAD LUMNAIRE)	3 - ASTRO-BRAC	2 - H3 1 - H3L	-	PRE-EMPT SENSOR, LUMINAIRE, SIGNS: S1 = R3-5L (30 X 36) S2 = STREET NAME	AT APPROXIMATE POLE D-STA 7+92.7, 48.8' RT NB KENSWICK DR CONST CL	02893-02 02893-03 02893-04A 02893-04B 02893-05 02893-09 02893-12
POLE E		TYPE -2	40' W/ LUM (106-WATT SYSTEM MAX LED COBRA HEAD LUMNAIRE)	3 - ASTRO-BRAC	3 - H3	-	PRE-EMPT SENSOR, LUMINAIRE, SIGNS: S6 = STREET NAME	AT APPROXIMATE POLE E-STA 5+40.0, 47.7' RT NB KENSWICK DR CONST CL	02893-02 02893-03 02893-04A 02893-04B 02893-05 02893-09 02893-12
POLE F		TYPE -2	50'	4 - ASTRO-BRAC 2 - SIDE OF POLE	3 - H3 1 - H3L 1 - V3L 1 - CDP	POLARA NAVIGATOR R10-3e (L)	PRE-EMPT SENSOR, LUMINAIRE, SIGNS: S7 = STREET NAME S11 = R3-5L (30 X 36) S12 = R3-5L (30 X 36)	AT APPROXIMATE POLE F-STA 4+72.5, 69.2' RT NB KENSWICK DR CONST CL	02893-02 02893-03 02893-04A 02893-04B 02893-05 02893-09 02893-12
POLE G		TYPE -2	45' W/ LUM (106-WATT SYSTEM MAX LED COBRA HEAD LUMNAIRE)	3 - ASTRO-BRAC 1 - SIDE OF POLE	2 - H3 1 - H3L	-	PRE-EMPT SENSOR, LUMINAIRE, SIGNS: S8 = R3-5L (30 X 36) S9 = STREET NAME	AT APPROXIMATE POLE G-STA 4+66.8, 54.7' LT SB KENSWICK DR CONST CL	02893-02 02893-03 02893-04A 02893-04B 02893-05 02893-09 02893-12
POLE H		TYPE -1	35' W/ LUM (106-WATT SYSTEM MAX LED COBRA HEAD LUMNAIRE)	3 - ASTRO-BRAC	3 - H3	-	PRE-EMPT SENSOR, LUMINAIRE, SIGNS: S3 = STREET NAME	AT APPROXIMATE POLE H-STA 7+00.9, 45.0' LT SB KENSWICK DR CONST CL	02893-02 02893-03 02893-04A 02893-04B 02893-05 02893-09 02893-12
POLE I		PED POLE 15'	-	1 - SIDE OF POLE	1 - CDP	POLARA NAVIGATOR R10-3e (L)	PEDESTRIAN POLE	AT APPROXIMATE POLE I- STA 7+76.2, 47.7' RT NB KENSWICK DR CONST CL	02893-02 02893-03 02893-06 02893-07
POLE J		PED POLE 15'	-	1 - SIDE OF POLE	1 - CDP	POLARA NAVIGATOR R10-3e (R)	PEDESTRIAN POLE	AT APPROXIMATE POLE J - STA 7+70.6, 58.3' LT SB KENSWICK DR CONST CL	02893-02 02893-03 02893-06 02893-07
POLE K		PED POLE 15'	-	1 - SIDE OF POLE	1 - CDP	POLARA NAVIGATOR R10-3e (L)	PEDESTRIAN POLE	AT APPROXIMATE POLE K - STA 7+63.5, 65.4' RT NB KENSWICK DR CONST CL	02893-02 02893-03 02893-06 02893-07
POLE L		PED POLE 15'	-	1 - SIDE OF POLE	1 - CDP	POLARA NAVIGATOR R10-3e (R)	PEDESTRIAN POLE	AT APPROXIMATE POLE L - STA 7+06.8, 57.4' RT NB KENSWICK DR CONST CL	02893-02 02893-03 02893-06 02893-07
POLE M		PED POLE 15'	-	1 - SIDE OF POLE	1 - CDP	POLARA NAVIGATOR R10-3e (R)	PEDESTRIAN POLE	AT APPROXIMATE POLE M - STA 5+24.4, 70.4' RT NB KENSWICK DR CONST CL	02893-02 02893-03 02893-06 02893-07
A	TRAFFIC SIGNAL CONTROLLER								
	CABINET	TYPE	CONTROLLER	AUX. CONTROL	REMARKS		LOCATION	STANDARDS	
		METERED PEDESTAL SERVICE UL TYPE 3R	METERED PEDESTAL SERVICE WITH ONE 30 AMP AND ONE 60 AMP BREAKERS AND PHOTOCELL	-	PROVIDE METER SOCKET WINDOW 4" H X 6" W (CONTRACTOR SHALL USE EXISTING UNDERGROUND POWER SOURCE.)		PENDING	02893-14	
B		TYPE 340 ITS	2070LX CONTROLLER W/20270-1C CPU MODULE WITH GPS SERIAL COMMUNICATIONS MODULE & UPS BATTERY BACK UP UNIT	-	STANDARD SPECIFICATION 16730 & 16731 UNINTERRUPTIBLE POWER SUPPLY STANDARD SPECIFICATION 16732 & 16785 STANDARD SPECIFICATION 16733 & 16738		AT APPROXIMATE STA 6+28.2, 34.5' LT KENSWICK DR CONST CL	02893-10C	

ATKINS

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820 MEMORIAL CITY WAY,
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HOUSTON, TX 77024
TEL: (713) 576-8500
ATKINS NORTH
AMERICA PE FIRM REG.
#F-000474
WWW.ATKINSGLOBAL.COM

REVISIONS

NO.	DESCRIPTION	DATE	BY
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GEORGE BUSH INTERCONTINENTAL AIRPORT (IAH)

TRAFFIC SIGNAL
PROPOSED POLE SCHEDULE

ISSUED FOR PERMIT

PROJECT MGR: MES
DESIGNER: KJV
DRAWN BY: KJV
CHECK BY: MES
SCALE:
DATE: 05/08/2024



APPROVED BY:

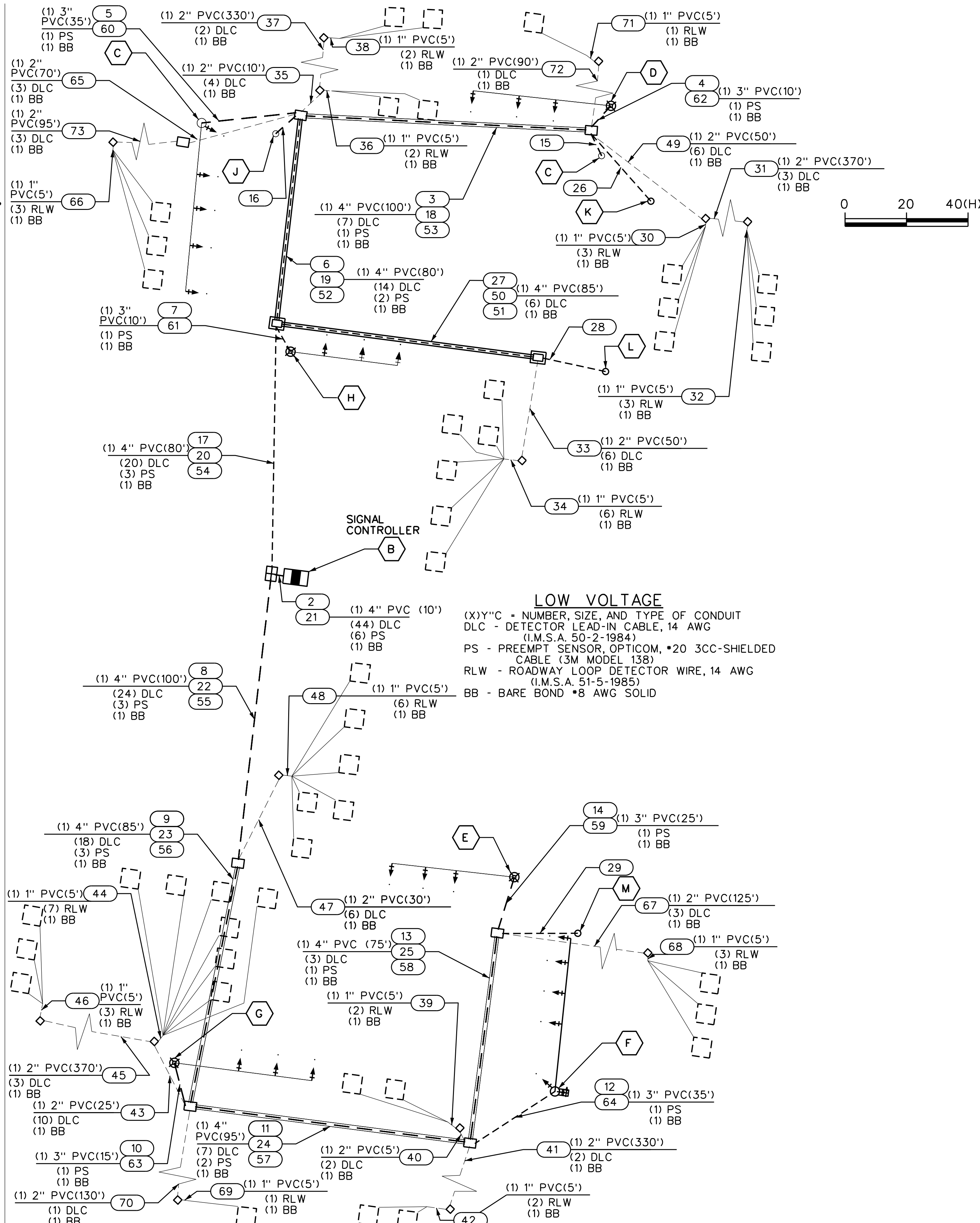
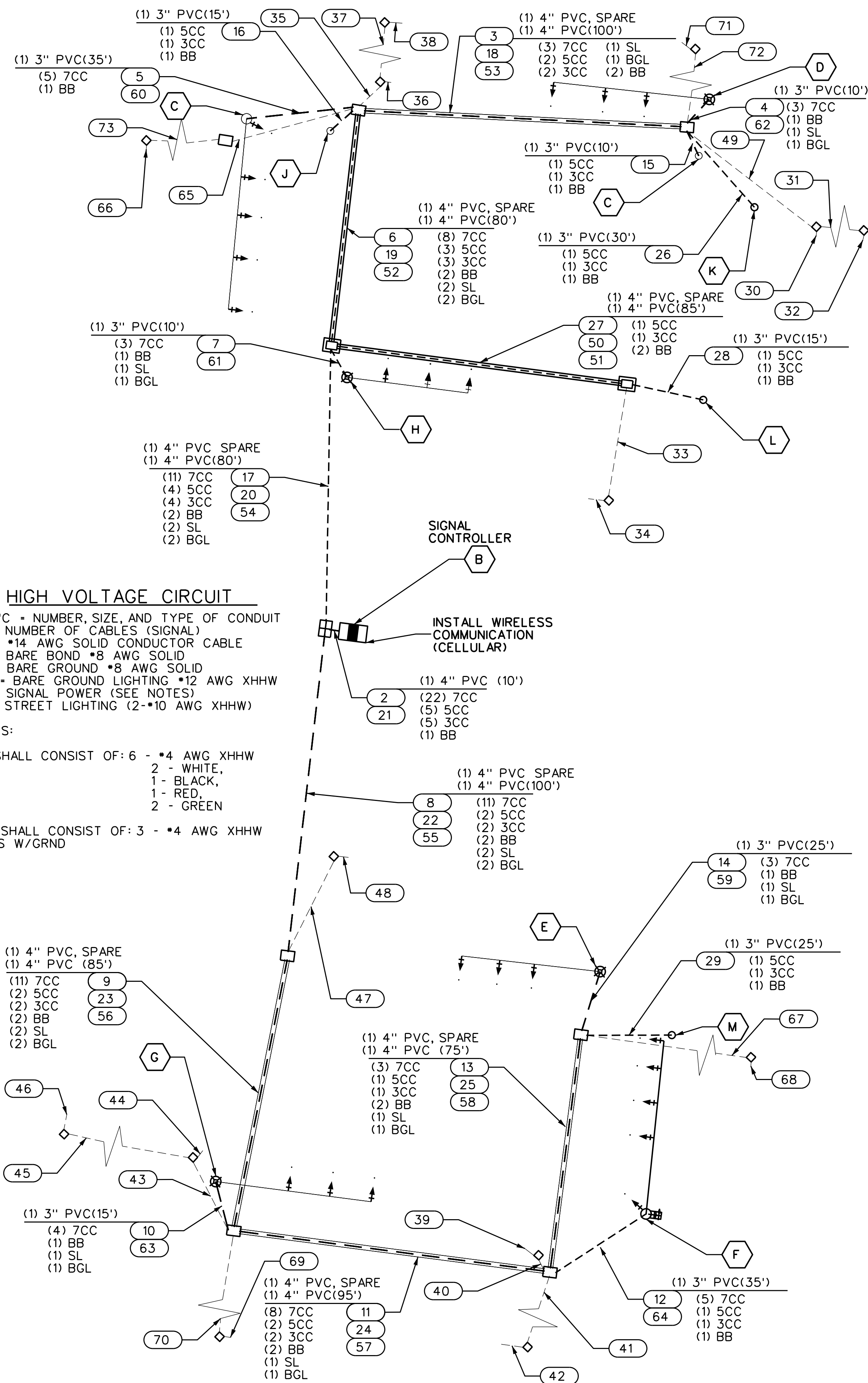
DIRECTOR
HOUSTON AIRPORT SYSTEM


PROJECT NO.
100072032
A.I.P. NO.

C.I.P. NO.


H.A.S. NO.
935
SHEET NO. 124 OF 125

HAS FILE: \\P01\A\PROJECTS\IAH\08_CADD\REF\ACAD-I-0935-XR-TTLBLK-MASTER_20.DGN
PLOT DATE: 2024-08-08






HOUSTON AIRPORT SYSTEM
GEORGE BUSH INTERCONTINENTAL AIRPORT / HOUSTON, TX



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REVISIONS		
NO.	DESCRIPTION	DATE BY

PROJECT MGR: MES
DESIGNER: KJV
DRAWN BY: KJV
CHECK BY: MES
SCALE: 108/180
DATE: 05/08/2024



CEGAR R. NEVAREZ
108180
LICENSED PROFESSIONAL ENGINEER
05/08/2024

APPROVED BY: _____
DIRECTOR
HOUSTON AIRPORT SYSTEM

PROJECT NO. 100072032
A.I.P. NO. _____
C.I.P. NO. _____
H.A.S. NO. 935
SHEET NO. 125 OF 125

CS-602