

**Dallas to Houston High-Speed Rail
Draft Environmental Impact Statement**

**Appendix G:
Dallas to Houston High-Speed Rail
Passenger Service from Houston to Dallas
Final Draft Conceptual Engineering
Plans and Details
Set 13 of 21**



**TEXAS
CENTRAL**

Transmittal

To	Megan Inman, AECOM	Date	November 17, 2017
Copies	FRA: K. Wright AECOM: J. Smiley TCRR: A. Greer File: HOU TCR	TRA Number	00211
From	Christopher Taylor, Arup		
Subject	FINAL DRAFT CONCEPTUAL ENGINEERING DESIGN DOCUMENTATION – FDCE v7 Transmittal Final Version for Publication with Draft Environmental Impact Statement (DEIS) FDCE for Public Release		

We Are Sending You: ENTER DOCUMENT TYPE CODE(S) ONLY

Date of Document	DEIS Appendix	Set # of #	Title of Document or Drawing Title
11/17/17	-	-	234180-AFN-TRA-00211 FDCEv7.PDF (this transmittal)
REPORTS			
9/15/17	F	1 of 2	TCRR FDCE v7 REPORT.PDF (<i>Final Draft Conceptual Engineering Report v7 – Project Definition for publication with Draft EIS</i>)
9/15/17	F	2 of 2	TCRR CONSTRUCTABILITY v4 REPORT.PDF
TCRR FDCE v7 DWGS VOLUME 1 (<i>General Sheets and Typical Sections</i>)			
9/15/17	G	1 of 21	TCRR FDCE v7 DWGS VOLUME 1.PDF (<i>General Sheets and Typical Sections</i>)
TCRR FDCE v7 DWGS VOLUME 2 (<i>Railway Alignment Plan and Profile Sheets</i>)			
9/15/17	G	2 of 21	TCRR FDCE v7 DWGS VOLUME 2-1.PDF (<i>Houston Segment</i>)
9/15/17	G	3 of 21	TCRR FDCE v7 DWGS VOLUME 2-2.PDF (<i>West of Teague Segment</i>)
9/15/17	G	4 of 21	TCRR FDCE v7 DWGS VOLUME 2-3.PDF (<i>IH-45 Segment</i>)
9/15/17	G	5 of 21	TCRR FDCE v7 DWGS VOLUME 2-4.PDF (<i>Navarro West Segment</i>)
9/15/17	G	6 of 21	TCRR FDCE v7 DWGS VOLUME 2-5.PDF (<i>Navarro East Segment</i>)
9/15/17	G	7 of 21	TCRR FDCE v7 DWGS VOLUME 2-6.PDF (<i>Ellis West Segment</i>)
9/15/17	G	8 of 21	TCRR FDCE v7 DWGS VOLUME 2-7.PDF (<i>Ellis East Segment</i>)
9/15/17	G	9 of 21	TCRR FDCE v7 DWGS VOLUME 2-8.PDF (<i>Dallas Segment</i>)
TCRR FDCE v7 DWGS VOLUME 3 (<i>Stations, Maintenance Facilities, and Railway Systems Sheets</i>)			
9/15/17	G	10 of 21	TCRR FDCE v7 DWGS VOLUME 3-1.PDF (<i>Stations</i>)
9/15/17	G	11 of 21	TCRR FDCE v7 DWGS VOLUME 3-2.PDF (<i>Maintenance Facilities, Yards and Shops</i>)
9/15/17	G	12 of 21	TCRR FDCE v7 DWGS VOLUME 3-3.PDF (<i>Rail Systems</i>)
TCRR FDCE v7 DWGS VOLUME 4 (<i>Roadway Plan Sheets</i>)			
9/15/17	G	13 of 21	TCRR FDCE v7 DWGS VOLUME 4-1.PDF (<i>Houston Segment</i>)
9/15/17	G	14 of 21	TCRR FDCE v7 DWGS VOLUME 4-2.PDF (<i>West of Teague Segment</i>)
9/15/17	G	15 of 21	TCRR FDCE v7 DWGS VOLUME 4-3.PDF (<i>IH-45 Segment</i>)
9/15/17	G	16 of 21	TCRR FDCE v7 DWGS VOLUME 4-4.PDF (<i>Navarro West Segment</i>)
9/15/17	G	17 of 21	TCRR FDCE v7 DWGS VOLUME 4-5.PDF (<i>Navarro East Segment</i>)

Document Format	Date of Document	Number of Copies	Title of Document or Drawing Title
9/15/17	G	18 of 21	TCRR FDCE v7 DWGS VOLUME 4-6.PDF (<i>Ellis West Segment</i>)
9/15/17	G	19 of 21	TCRR FDCE v7 DWGS VOLUME 4-7.PDF (<i>Ellis East Segment</i>)
9/15/17	G	20 of 21	TCRR FDCE v7 DWGS VOLUME 4-8.PDF (<i>Dallas Segment</i>)
TCRR FDCE v7 DWGS VOLUME 5 (<i>Wildlife Crossing Sheets</i>)			
9/15/17	G	21 of 21	TCRR FDCE v7 DWGS VOLUME 5.PDF (<i>Wildlife Crossing Sheets</i>)

These are transmitted as checked below:

- Deliverable For Information As requested For your use
 For approval For Review and Comment Return Other: Publication with DEIS

REMARKS:

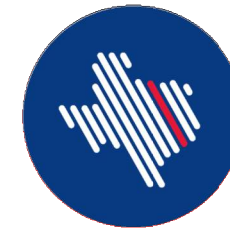
The files transmitted herewith represent a final submittal of the Final Draft Conceptual Engineering (FDCE) design report and drawings for the Dallas to Houston High-Speed Rail Project. This v7 submittal of the FDCE report is intended for distribution on the FRA website with the Draft EIS (DEIS) for public review.



Delivered VIA Outlook Email Hand Delivery Courier PMS Notification USPS

PREPARED BY: Christopher Taylor **Date:** November 17, 2017

IF ENCLOSURES ARE NOT AS NOTED, KINDLY NOTIFY US AT ONCE.



**TEXAS
CENTRAL**



DALLAS TO HOUSTON HIGH-SPEED RAIL
PASSENGER SERVICE FROM HOUSTON TO DALLAS

**FINAL DRAFT
CONCEPTUAL ENGINEERING PLANS AND DETAILS**
VOLUME 4 - RAILWAY PLAN SHEETS

SEPTEMBER 15, 2017



U.S. Department of Transportation
Federal Railroad Administration

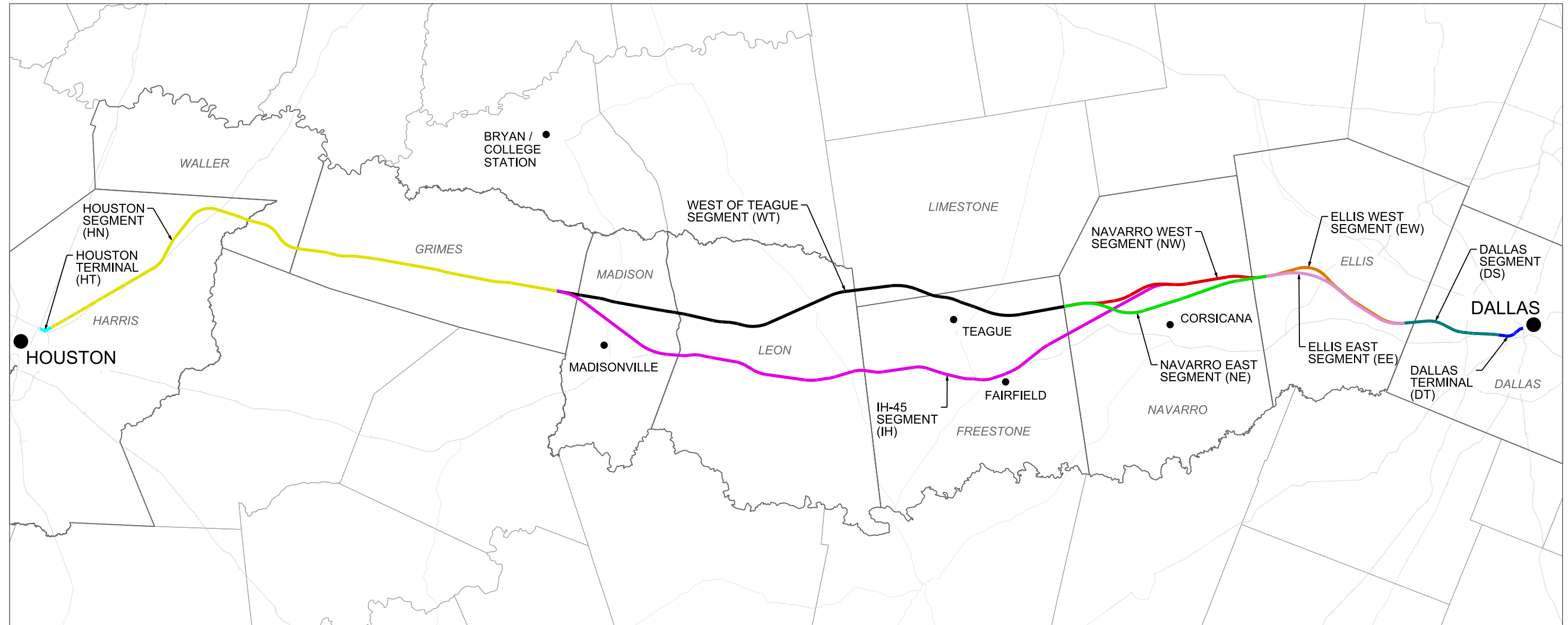
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COVER SHEET



ALIGNMENT ALTERNATIVE	OE SEGMENT ID	SEGMENT NAMES	SEGMENT ABBREVIATION
A	5, 4A, 3A, 2A, 1	DALLAS SEGMENT, ELLIS WEST SEGMENT, NAVARRO WEST SEGMENT, WEST OF TEAGUE SEGMENT, HOUSTON SEGMENT	DS, EW, NW, WT, HN
B	5, 4A, 3B, 2A, 1	DALLAS SEGMENT, ELLIS WEST SEGMENT, NAVARRO EAST SEGMENT, WEST OF TEAGUE SEGMENT, HOUSTON SEGMENT	DS, EW, NE, WT, HN
C	5, 4A, 2B, 1	DALLAS SEGMENT, ELLIS WEST SEGMENT, IH-45 SEGMENT, HOUSTON SEGMENT	DS, EW, IH, HN
D	5, 4B, 3A, 2A, 1	DALLAS SEGMENT, ELLIS EAST SEGMENT, NAVARRO WEST SEGMENT, WEST OF TEAGUE SEGMENT, HOUSTON SEGMENT	DS, EE, NW, WT, HN
E	5, 4B, 3A, 2A, 1	DALLAS SEGMENT, ELLIS EAST SEGMENT, NAVARRO EAST SEGMENT, WEST OF TEAGUE SEGMENT, HOUSTON SEGMENT	DS, EE, NE, WT, HN
F	5, 4B, 2B, 1	DALLAS SEGMENT, ELLIS EAST SEGMENT, IH-45 SEGMENT, HOUSTON SEGMENT	DS, EE, IH, HN

NOTES:
 1. REFER TO FDCE v5 FOR SEGMENT NAMES AND ALIGNMENT ALTERNATIVES.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. THOMPSON
 DRAWN BY
D. THOMPSON
 CHECKED BY
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 IN CHARGE
C. TAYLOR
 DATE
09/15/2017

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Client

TEXAS CENTRAL
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
GENERAL LOCATION PLAN

Scale
 AS SHOWN
 Drawing Status
FINAL DRAFT
 Job No: 234180 Drawing No: GEN-00-00002 Rev: 01

VOLUME 1 - GENERAL SHEETS & TYPICAL SECTIONS

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Includes sections: 1-1 GENERAL COVER SHEET, 1-2 RAILWAY TYPICAL SECTIONS, 1-3 ROADWAY AND GRADE SEPARATION TYPICAL SECTIONS, 1-4 CIVIL STRUCTURES TYPICAL DETAILS, 1-5 CIVIL UTILITIES TYPICAL DETAILS, 1-6 GENERAL - ALIGNMENT CURVE DATA TABLES.

VOLUME 2 - RAILWAY ALIGNMENT PLAN AND PROFILE SHEETS

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Section: 2-1 HOUSTON SEGMENT. Lists drawing numbers and descriptions for Houston Segment alignment and profile sheets.

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Lists drawing numbers and descriptions for Houston Segment alignment and profile sheets, continuing from Volume 2.

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Lists drawing numbers and descriptions for West of Teague Segment alignment and profile sheets.

Table with columns: REV, DATE, BY, CHK, APP, DESCRIPTION. Revision table for the drawing.

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, IN CHARGE, DATE. Designer information table.



Table with columns: Client, Drawing Title, Scale, Drawing Status, Job No, Drawing No, Rev. Project information table.

VOLUME 2 - RAILWAY ALIGNMENT PLAN AND PROFILE SHEETS

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Includes sections for 2-2 WEST OF TEAGUE SEGMENT and 2-3 IH-45 SEGMENT.

Table with columns: Drawing No., Description. Lists various drawing numbers and their corresponding descriptions for segments like IH-45 SEGMENT and NAVARRO WEST SEGMENT.

Table with columns: Drawing No., Description. Lists various drawing numbers and their corresponding descriptions for segments like NAVARRO WEST SEGMENT and ELLIS WEST SEGMENT.

Table with columns: REV, DATE, BY, CHK, APP, DESCRIPTION. Revision table for the drawing.

Table with columns: DESIGNED BY, DRAWN BY, CHECKED BY, IN CHARGE, DATE. Designer information table.



Table with columns: Drawing Title, Scale, Drawing Status, Job No, Drawing No, Rev. Project information table.

HOUSTON SEGMENT - CIVIL - KEY MAP - Sheet 2 of 4 - HN1 1024+00 TO HN1 2082+00

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Lists drawing numbers and descriptions for segments 2-6, 2-7, and 2-8.

VOLUME 3 - STATIONS, MAINTENANCE FACILITIES AND RAILWAY SYSTEMS SHEETS

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Lists drawing numbers and descriptions for stations, maintenance facilities, and railway systems sheets.

Table with columns: Drawing ID, Description. Lists drawing numbers and descriptions for various station options, industrial stations, and maintenance facilities.

Table with columns: REV, DATE, BY, CHK, APP, DESCRIPTION. Includes a revision table and a design information table with fields for Designer, Drawn, Checked, In Charge, and Date.

Project information block containing logos for ARUP, FREESE & NICHOLS, and TEXAS CENTRAL. Includes drawing title 'GENERAL INDEX SHEET 3 OF 5', scale 'NO SCALE', and drawing status 'FINAL DRAFT'.

PLOT TIME: 9/25/2017 5:41:24 PM

VOLUME 3 - STATIONS, MAINTENANCE FACILITIES AND RAILWAY SYSTEMS SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
3-2 MAINTENANCE FACILITIES, YARDS AND SHOPS	
MNT-DS-04040	DALLAS SEGMENT - MAINTENANCE FACILITIES - DALLAS SOUTH TMF - SHEET 2 OF 3
MNT-DS-04041	DALLAS SEGMENT - MAINTENANCE FACILITIES - DALLAS SOUTH TMF - SHEET 3 OF 3
MNT-DS-04042	DALLAS SEGMENT - MAINTENANCE FACILITIES - DALLAS NORTH TMF - SHEET 1 OF 2
MNT-DS-04043	DALLAS SEGMENT - MAINTENANCE FACILITIES - DALLAS NORTH TMF - SHEET 2 OF 2
MNT-DS-04044	DALLAS SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY DS-3 - LAYOUT
3-3 RAILWAY SYSTEMS	
SYS-00-01000	GENERAL - RAILWAY SYSTEMS - TYPICAL LAYOUT PLAN SHEET 1 OF 3
SYS-00-01001	GENERAL - RAILWAY SYSTEMS - TYPICAL LAYOUT PLAN SHEET 2 OF 3
SYS-00-01002	GENERAL - RAILWAY SYSTEMS - TYPICAL LAYOUT PLAN SHEET 3 OF 3
SYS-00-02000	GENERAL - RAILWAY SYSTEMS - FACILITY SPACING - ALIGNMENT ALTERNATIVE A
SYS-00-02001	GENERAL - RAILWAY SYSTEMS - FACILITY SPACING - ALIGNMENT ALTERNATIVE B
SYS-00-02002	GENERAL - RAILWAY SYSTEMS - FACILITY SPACING - ALIGNMENT ALTERNATIVE C
SYS-00-02003	GENERAL - RAILWAY SYSTEMS - FACILITY SPACING - ALIGNMENT ALTERNATIVE D
SYS-00-02004	GENERAL - RAILWAY SYSTEMS - FACILITY SPACING - ALIGNMENT ALTERNATIVE E
SYS-00-02005	GENERAL - RAILWAY SYSTEMS - FACILITY SPACING - ALIGNMENT ALTERNATIVE F
SYS-00-03000	GENERAL - RAILWAY SYSTEMS - FACILITY LOCATION

VOLUME 4 - ROADWAY PLAN SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
4-1 HOUSTON SEGMENT	
RDY-HN-01101	HOUSTON SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 1 OF 4 - STA. HN1 10+00 TO HN1 1030+00
RDY-HN-01102	HOUSTON SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 2 OF 4 - STA. HN1 1030+00 TO HN1 2070+00
RDY-HN-01103	HOUSTON SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 3 OF 4 - STA. HN1 2070+00 TO HN2 790+00
RDY-HN-01104	HOUSTON SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 4 OF 4 - STA. HN2 790+00 TO HN2 2073+80
RDY-HN-04001	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HT1 20+00 TO HT1 110+00
RDY-HN-04002	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 10+00 TO HN1 90+00
RDY-HN-04003	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 90+00 TO HN1 180+00
RDY-HN-04004	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 180+00 TO HN1 270+00
RDY-HN-04005	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 270+00 TO HN1 360+00
RDY-HN-04006	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 360+00 TO HN1 450+00
RDY-HN-04007	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 450+00 TO HN1 540+00
RDY-HN-04008	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 540+00 TO HN1 630+00
RDY-HN-04009	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 630+00 TO HN1 720+00
RDY-HN-04010	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 720+00 TO HN1 810+00
RDY-HN-04011	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 810+00 TO HN1 900+00
RDY-HN-04012	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 900+00 TO HN1 990+00
RDY-HN-04013	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 990+00 TO HN1 1080+00
RDY-HN-04014	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1080+00 TO HN1 1170+00
RDY-HN-04015	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1170+00 TO HN1 1260+00
RDY-HN-04016	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1260+00 TO HN1 1350+00
RDY-HN-04017	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1350+00 TO HN1 1440+00
RDY-HN-04018	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1440+00 TO HN1 1530+00
RDY-HN-04019	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1530+00 TO HN1 1620+00
RDY-HN-04020	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1620+00 TO HN1 1710+00
RDY-HN-04021	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1710+00 TO HN1 1800+00
RDY-HN-04022	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1800+00 TO HN1 1890+00
RDY-HN-04023	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1890+00 TO HN1 1980+00
RDY-HN-04024	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 1980+00 TO HN1 2070+00
RDY-HN-04025	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 2070+00 TO HN1 2160+00
RDY-HN-04026	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 2160+00 TO HN1 2250+00
RDY-HN-04027	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 2250+00 TO HN1 2340+00
RDY-HN-04028	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN1 2340+00 TO HN1 2387+62
RDY-HN-04029	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 10+00 TO HN2 100+00
RDY-HN-04030	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 100+00 TO HN2 190+00
RDY-HN-04031	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 190+00 TO HN2 280+00
RDY-HN-04032	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 280+00 TO HN2 370+00
RDY-HN-04033	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 370+00 TO HN2 460+00
RDY-HN-04034	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 460+00 TO HN2 550+00
RDY-HN-04035	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 550+00 TO HN2 640+00
RDY-HN-04036	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 640+00 TO HN2 730+00
RDY-HN-04037	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 730+00 TO HN2 820+00
RDY-HN-04038	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 820+00 TO HN2 910+00
RDY-HN-04039	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 910+00 TO HN2 1000+00
RDY-HN-04040	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1000+00 TO HN2 1090+00
RDY-HN-04041	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1090+00 TO HN2 1180+00
RDY-HN-04042	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1180+00 TO HN2 1270+00
RDY-HN-04043	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1270+00 TO HN2 1360+00
RDY-HN-04044	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1360+00 TO HN2 1450+00
RDY-HN-04045	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1450+00 TO HN2 1540+00
RDY-HN-04046	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1540+00 TO HN2 1630+00

RDY-HN-04047	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1630+00 TO HN2 1720+00
RDY-HN-04048	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1720+00 TO HN2 1810+00
RDY-HN-04049	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1810+00 TO HN2 1900+00
RDY-HN-04050	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1900+00 TO HN2 1990+00
RDY-HN-04051	HOUSTON SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. HN2 1990+00 TO 2073+80
4-2 WEST OF TEAGUE SEGMENT	
RDY-WT-01101	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 1 OF 4 WT 10+00 TO WT 1120+00
RDY-WT-01102	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 2 OF 4 WT 1120+00 TO WT 2240+00
RDY-WT-01103	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 3 OF 4 WT 2240+00 TO WT 3360+00
RDY-WT-01104	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 4 OF 4 WT 3360+00 TO WT 4118+87
RDY-WT-04001	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 10+00 TO WT 100+00
RDY-WT-04002	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 100+00 TO WT 190+00
RDY-WT-04003	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 190+00 TO WT 280+00
RDY-WT-04004	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 280+00 TO WT 370+00
RDY-WT-04005	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 370+00 TO WT 460+00
RDY-WT-04006	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 460+00 TO WT 550+00
RDY-WT-04007	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 550+00 TO WT 640+00
RDY-WT-04008	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 640+00 TO WT 730+00
RDY-WT-04009	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 730+00 TO WT 820+00
RDY-WT-04010	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 820+00 TO WT 910+00
RDY-WT-04011	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 910+00 TO WT 1000+00
RDY-WT-04012	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1000+00 TO WT 1090+00
RDY-WT-04013	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1090+00 TO WT 1180+00
RDY-WT-04014	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1180+00 TO WT 1270+00
RDY-WT-04015	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1270+00 TO WT 1360+00
RDY-WT-04016	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1360+00 TO WT 1450+00
RDY-WT-04017	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1450+00 TO WT 1540+00
RDY-WT-04018	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1540+00 TO WT 1630+00
RDY-WT-04019	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1630+00 TO WT 1720+00
RDY-WT-04020	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1720+00 TO WT 1810+00
RDY-WT-04021	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1810+00 TO WT 1900+00
RDY-WT-04022	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1900+00 TO WT 1990+00
RDY-WT-04023	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 1990+00 TO WT 2080+00
RDY-WT-04024	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2080+00 TO WT 2170+00
RDY-WT-04025	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2170+00 TO WT 2260+00
RDY-WT-04026	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2260+00 TO WT 2350+00
RDY-WT-04027	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2350+00 TO WT 2440+00
RDY-WT-04028	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2440+00 TO WT 2530+00
RDY-WT-04029	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2530+00 TO WT 2620+00
RDY-WT-04030	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2620+00 TO WT 2710+00
RDY-WT-04031	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2710+00 TO WT 2800+00
RDY-WT-04032	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2800+00 TO WT 2890+00
RDY-WT-04033	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2890+00 TO WT 2980+00
RDY-WT-04034	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 2980+00 TO WT 3070+00
RDY-WT-04035	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3070+00 TO WT 3160+00
RDY-WT-04036	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3160+00 TO WT 3250+00
RDY-WT-04037	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3250+00 TO WT 3340+00
RDY-WT-04038	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3340+00 TO WT 3430+00
RDY-WT-04039	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3430+00 TO WT 3520+00
RDY-WT-04040	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3520+00 TO WT 3610+00
RDY-WT-04041	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3610+00 TO WT 3700+00
RDY-WT-04042	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3700+00 TO WT 3790+00
RDY-WT-04043	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3790+00 TO WT 3880+00
RDY-WT-04044	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3880+00 TO WT 3970+00
RDY-WT-04045	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 3970+00 TO WT 4060+00
RDY-WT-04046	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. WT 4060+00 TO WT 4118+87
RDY-WT-04047	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - MATCHLINE RDY-WT-04011
4-3 IH-45 SEGMENT	
RDY-IH-01101	IH-45 SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 1 OF 5 IH1 10+00 TO IH1 1120+00
RDY-IH-01102	IH-45 SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 2 OF 5 IH1 1120+00 TO IH1 2240+00
RDY-IH-01103	IH-45 SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 3 OF 5 IH1 2240+00 TO IH1 3360+00
RDY-IH-01104	IH-45 SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 4 OF 5 IH1 3360+00 TO IH2 224+00
RDY-IH-01105	IH-45 SEGMENT - CIVIL HIGHWAY - KEY MAP - SHHET 5 OF 5 IH2 224+00 TO IH2 913+96
RDY-IH1-04001	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 10+00 TO IH1 100+00
RDY-IH1-04002	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 100+00 TO IH1 190+00
RDY-IH1-04003	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 190+00 TO IH1 280+00
RDY-IH1-04004	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 280+00 TO IH1 370+00
RDY-IH1-04005	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 370+00 TO IH1 460+00
RDY-IH1-04006	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 460+00 TO IH1 550+00
RDY-IH1-04007	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 550+00 TO IH1 640+00
RDY-IH1-04008	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 640+00 TO IH1 730+00
RDY-IH1-04009	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 730+00 TO IH1 820+00
RDY-IH1-04010	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 820+00 TO IH1 910+00
RDY-IH1-04011	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 910+00 TO IH1 1000+00

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
D. THOMPSON

DRAWN BY
D. THOMPSON

CHECKED BY
R. BURNS

IN CHARGE
C. TAYLOR

DATE
09/15/2017



Drawing Title
GENERAL INDEX SHEET 4 OF 5

Scale NO SCALE		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No GEN-00-00006	Rev 01

VOLUME 4 - ROADWAY PLAN SHEETS

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Lists drawings 1H-45 SEGMENT and 4-4 NAVARRO WEST SEGMENT.

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Lists drawings 4-5 NAVARRO EAST SEGMENT, 4-6 ELLIS WEST SEGMENT, 4-7 ELLIS EAST SEGMENT, and 4-8 DALLAS SEGMENT.

VOLUME 5 - WILDLIFE CROSSING SHEETS

Table with columns: DRAWING NO., DRAWING DESCRIPTIONS. Lists drawings 5-1 WILDLIFE CROSSING TYPICAL SECTIONS.

Revision table with columns: REV, DATE, BY, CHK, APP, DESCRIPTION.

DESIGNED BY D. THOMPSON
DRAWN BY D. THOMPSON
CHECKED BY R. BURNS
IN CHARGE C. TAYLOR
DATE 09/15/2017



Drawing Title: GENERAL INDEX SHEET 5 OF 5
Scale: NO SCALE
Drawing Status: FINAL DRAFT
Job No: 234180
Drawing No: GEN-00-00007
Rev: 01

GENERAL NOTES:

1. THESE DRAWINGS ACCOMPANY FINAL DRAFT CONCEPTUAL ENGINEERING REPORT (FDCE) V7 REPORT DATED SEPTEMBER 15, 2017.
2. DRAWING SET INCLUDES FIVE (5) VOLUMES.
3. CONCEPTUAL ENGINEERING WAS DEVELOPED TO IDENTIFY PROJECT LIMIT OF DISTURBANCE (LOD), OR "PROJECT FOOTPRINT". CONCEPTUAL ENGINEERING DRAWINGS AND FDCE REPORT ARE ISSUED TO PROVIDE PROJECT DEFINITION FOR ENVIRONMENTAL ANALYSES ONLY. FINAL DESIGN WOULD BE DEVELOPED TO MITIGATE ANY IMPACTS IDENTIFIED THROUGH ENVIRONMENTAL ANALYSES, NOT FOR CONSTRUCTION.
4. FOR STANDARD GENERAL ABBREVIATIONS, SEE DRAWING GEN-00-0009.
5. FOR STANDARD GENERAL SYMBOLS, SEE DRAWINGS GEN-00-0009.
6. "ORIGINAL GROUND" SHOWN ON PROFILES REFERS TO THE APPROXIMATE EXISTING GROUND LINE AT HSR CENTERLINE AS SHOWN ON PLAN AND PROFILE DRAWINGS.
7. ALL HORIZONTAL AND VERTICAL DISTANCES ARE IN US CUSTOMARY UNITS EXCEPT AS NOTED OTHERWISE.
8. GENERAL NOTES FOR PROJECT ELEMENTS INCLUDED ON GENERAL NOTES PAGES. REFER TO INDIVIDUAL DISCIPLINE DRAWINGS FOR ADDITIONAL NOTES.

BASEMAPPING NOTES:

1. DTM DATA SHOWN ON THE DRAWINGS WAS OBTAINED FROM THE TEXAS NATURAL RESOURCES INFORMATION SYSTEM (TNRIS) AND HOUSTON-GALVESTON AREA COUNCIL (HGAC).
 - DALLAS COUNTY LIDAR, 2009, SOURCED FROM TNRIS.
 - HGAC LIDAR, 2008.
 - TNRIS LIDAR, 2009-2013.
 - TNRIS STRATMAP CONTOURS, 1997.
2. LIDAR SOURCES WERE FILTERED TO SHOW ONLY BARE EARTH, AND SUPPLEMENTED BY CONTOUR DATA WHERE LIDAR SOURCES WERE NOT AVAILABLE.
3. NAD 83 HORIZONTAL CONTROL DATUM WAS USED FOR HORIZONTAL COORDINATE VALUES.
4. NAVD 88 VERTICAL DATUM WAS USED FOR ELEVATION VALUES.
5. ALL DATA HAS BEEN REPROJECTED TO TEXAS STATE PLANE, SOUTH CENTRAL, CENTRAL, AND NORTH CENTRAL ZONES, US SURVEY FEET.
6. AERIAL IMAGERY WAS OBTAINED FROM ARCGIS ONLINE SERVICES. SOURCE: ESRI, DIGITALGLOBE, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEX, GETMAPPING, AEROGRIID, IGN, IGP, SWISSTOPO, AND THE GIS USER COMMUNITY.
7. THE BACKGROUND IMAGERY ON THE PLAN SHEETS MAY SHOW BUILDINGS AND OTHER INFRASTRUCTURE FEATURES THAT HAVE SUBSEQUENTLY BEEN REMOVED AND/OR DEMOLISHED. WHERE IT HAS BEEN VERIFIED THAT BUILDINGS HAVE BEEN REMOVED, THE AERIAL IMAGERY ON THE PLAN SHEET IS MARKED WITH HATCHING.

LOD NOTES:

1. THE PROJECT LOD WAS DEVELOPED TO DEFINE A CONSERVATIVE ESTIMATE OF THE POTENTIAL "PROJECT FOOTPRINT" FOR ENVIRONMENTAL ANALYSIS AND DOES NOT REPRESENT THE FINAL HSR RIGHT-OF-WAY (ROW). PROPERTY WITHIN THE LOD MAY BE RETURNED TO ADJACENT LANDOWNERS OR OTHER PRIVATE PARTIES FOLLOWING PROJECT CONSTRUCTION OR MAY BE TRANSFERRED TO ROADWAY OR UTILITY AUTHORITY AS APPROPRIATE. PROPOSED PROJECT WORKS WITHIN PRIVATE PROPERTIES WOULD BE SUBJECT TO NEGOTIATION WITH LANDOWNERS. ANY TEMPORARY OR PERMANENT USE OF LAND OWNED BY TXDOT, COUNTY, MUNICIPAL, OR OTHER PUBLIC ENTITIES WOULD REQUIRE APPROPRIATE APPROVALS.
2. LOD USED FOR EIS ANALYSIS FOOTPRINT.

TRACK NOTES:

1. THE ALIGNMENT SHOWN ON THE PLAN AND PROFILE DRAWINGS REPRESENTS THE CENTERLINE OF THE TWO-TRACK HSR MAINLINE TRACKS.
2. THE PROFILE SHOWN ON THE PLAN AND PROFILE DRAWINGS REPRESENTS THE TOP OF THE LOWER RAIL THROUGH HORIZONTAL CURVES AND SPIRALS FOR THE TWO-TRACK HSR SYSTEM.
3. THE PROPOSED HSR SYSTEM INCLUDES TWO TRACKS WITH ADDITIONAL TRACKS AT STATIONS, MAINTENANCE OF WAY, AND TRAINSET MAINTENANCE FACILITIES, AS SHOWN ON DRAWINGS.
4. MAINLINE CROSSOVERS ARE PROVIDED AT THE ENTRANCE AND EXIT OF ALL STATIONS, MAINTENANCE OF WAY (MOW) FACILITIES, AND TRAINSET MAINTENANCE FACILITIES (TMFS).

PLAN AND PROFILE GENERAL NOTES:

1. SECTION TYPE DETAIL SHOWN ON PROFILE SHEETS REPRESENT A SIMPLIFIED SUMMARY OF THE MAJOR STRUCTURAL TYPE OF THE PROPOSED HSR. THE ACTUAL PLAN DIMENSIONS TAKE PRECEDENCE OVER THE SECTION TYPE IDENTIFIED IN PROFILE.
2. ALL EXISTING AND PROPOSED STRUCTURAL ELEMENTS SHOWN ARE BASED ON CONCEPTUAL ENGINEERING DESIGN AND AERIAL IMAGERY AND MAY BE REVISED BASED ON MORE ADVANCED SURVEY AND DESIGNS.
3. SEE SHEET GEN-00-00010 FOR A KEY TO INFORMATION SHOWN ON PLAN AND PROFILE DRAWINGS.
4. LIMITS OF SPECIAL TRACK WORK ARE INDICATED ON THE PLAN SHEETS. ADDITIONAL DETAILS FOR MAINTENANCE OF WAY FACILITIES AND TRAINSET MAINTENANCE FACILITIES ARE SHOWN ON THE VOLUME 3 DRAWINGS.

ROADWAY NOTES:

1. EXISTING ROADWAY LOCATIONS ARE APPROXIMATE BASED ON AERIAL MAPS.
2. PROPOSED ROADWAY WORKS, INCLUDING NEW ROADWAYS, RECONFIGURATION AND REALIGNMENTS OF EXISTING ROADWAYS, AND ROADWAY REMOVALS ARE CONCEPTUAL IN NATURE AND WERE DEVELOPED TO IDENTIFY GENERAL CONFIGURATION AND LOCATION FOR ENVIRONMENTAL IMPACT ANALYSES. ROADWAY WORKS WOULD BE DETAILED DURING FINAL DESIGN AND WOULD COMPLY WITH APPLICABLE STATE, CITY, COUNTY, OR LOCAL REQUIREMENTS.
3. SEE SHEET GEN-00-00011 FOR A KEY TO INFORMATION SHOWN ON ROADWAY PLAN DRAWINGS.
4. ROADWAY GEOMETRY IS BASED ON TXDOT ROADWAY DESIGN MANUAL. ROAD DESIGN SPEEDS MATCH EXISTING POSTED SPEED LIMITS OR MATCH DESIGN SPEED DETERMINED FROM TXDOT ROADWAY FUNCTIONAL CLASSIFICATION SPEED GUIDELINES, WHICHEVER IS GREATER.
5. SUPERELEVATION TRANSITION LENGTHS WERE NOT DETAILED IN ROADWAY APPROACH DESIGN.
6. SEE DRAWINGS CVL-00-03030 TO CVL-00-03036 FOR TYPICAL ROADWAY CROSS SECTIONS.
7. ROADWAY REMOVALS ARE NOT SHOWN ON RAIL PLAN AND PROFILE SHEETS. REFER TO ROADWAY PLAN SHEETS IN VOLUME 3 FOR ALL ROADWAY REMOVALS.
8. NOT ALL PRIVATE ROADS AND DRIVEWAYS ARE REPRESENTED ON THE RAIL PLAN AND PROFILE SHEETS.
9. THE CLEARANCE ENVELOPES SHOWN ON THE RAIL PLAN AND PROFILE SHEETS REPRESENT THE APPROXIMATE ROADWAY CLEARANCE ENVELOPE. THE BOTTOM OF THE CLEARANCE ENVELOPE REPRESENTS THE TOP OF THE ROADWAY PAVEMENT. CLEARANCE ENVELOPE DOES NOT INCLUDE ROADWAY STRUCTURAL ELEMENTS.
10. ROADWAY ELEVATIONS FOR ROADWAY OVER RAILWAY CROSSING DO NOT REPRESENT THE PROPOSED ROADWAY ELEVATION, BUT RATHER THE MINIMUM HEIGHT REQUIRED FOR CLEARANCES, INCLUDING ALLOWANCES FOR ROADWAY STRUCTURAL ELEMENTS. SEE FDCE REPORT FOR ADDITIONAL INFORMATION.
11. ROADWAY TYPICAL SECTIONS ACCOUNT FOR THE NECESSARY SPACE TO CONSTRUCT TEMPORARY ROADWAYS DURING CONSTRUCTION. CLOSE COORDINATION WITH ROADWAY AUTHORITIES, COMMUNITIES, AND EMERGENCY RESPONSE ENTITIES WOULD BE UNDERTAKEN DURING FINAL DESIGN AND CONSTRUCTION TO ENSURE ACCESS DURING THE CONSTRUCTION PHASE.
12. USE OF TXDOT RIGHT-OF-WAY FOR PERMANENT IMPROVEMENTS WILL REQUIRED THE APPROPRIATE APPROVAL FROM TXDOT.

TYPICAL SECTIONS NOTES:

1. SECTIONS ILLUSTRATE TYPICAL REQUIREMENTS TO GUIDE CONCEPTUAL ENGINEERING DESIGN DEVELOPMENT. LOCATION SPECIFIC CONDITIONS WOULD ESTABLISH REQUIREMENTS AT EACH LOCATION AND OVERALL WIDTH OF LIMIT OF DISTURBANCE WOULD VARY AS IDENTIFIED ON DIMENSION LINES AND IN NOTES.
2. OFFSET BETWEEN INFRASTRUCTURE ELEMENTS SUCH AS DISTANCE BETWEEN EMBANKMENT, FENCES, DRAINAGE SWALE, ACCESS ROAD, ETC. WOULD VARY BASED ON LOCAL REQUIREMENTS AND SITE SPECIFIC CONDITIONS.
3. TYPICAL ROADWAY DRAINAGE SYSTEM PROVIDED AS SHOWN IN TYPICAL SECTIONS. LOCATION SPECIFIC CONFIGURATION AND SIZE WOULD BE ADVANCED DURING MORE DETAILED DESIGN.
4. LOCATION SPECIFIC CONDITIONS WOULD DICTATE FENCING REQUIREMENTS.
5. EMBANKMENT HEIGHTS AND CUT DEPTHS VARY WITH SURROUNDING GRADE AND RAIL PROFILE ELEVATION.
6. CRASH BARRIERS NOT SHOWN. LOCATION SPECIFIC CONDITIONS WILL DICTATE CRASH BARRIER REQUIREMENTS TO ENSURE SAFETY AND TO SATISFY APPLICABLE REGULATORY REQUIREMENTS.
7. SUBSURFACE GROUND IMPROVEMENTS ARE NOT SHOWN AND WILL BE BASED ON SITE SPECIFIC REQUIREMENTS.
8. RAIL HEIGHT VARIES WITH SURROUNDING GRADE AND RAIL PROFILE. THE BOTTOM OF SUBBALLAST SHALL BE NO LESS THAN 2FT ABOVE 100 YEAR FLOODPLAIN.

UTILITIES NOTES:

1. REFER TO THE FDCE REPORT FOR A LIST OF MAJOR UTILITY CROSSINGS, THEIR ASSUMED SIZE, AND ASSOCIATED LOCATIONS ALONG THE ALIGNMENT.
2. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE ONLY AND ARE BASED ON INFORMATION RECEIVED, AS DOCUMENTED IN THE FINAL DRAFT CONCEPTUAL ENGINEERING REPORT.
3. NO FIELD SURVEYS HAVE BEEN CONDUCTED TO LOCATE AND VERIFY UTILITY LOCATIONS.
4. NOT ALL EXISTING UNDERGROUND UTILITIES HAVE BEEN SHOWN. REFER TO THE FDCE REPORT FOR MAJOR UTILITIES INCLUDED IN PROJECT MAPPING.
5. LOD NOT SHOWN FOR UTILITIES THAT ARE NOT IMPACTED BY THE ALIGNMENT. ONLY MAJOR UTILITIES THAT ARE PROTECTED, RELOCATED OR ELEVATED ARE SHOWN ON THE PLAN AND PROFILE VIEW. REFER TO DRAWING NO. CUT-00-0100 FOR TYPICAL UTILITY CROSSING DETAILS. UTILITY LODS FOR FUTURE PROPOSED CONNECTIONS TO TPSS FACILITIES ARE SHOWN.
6. FOR PARALLEL TRANSMISSION LINE CROSSINGS OVER NEW ELEVATED ROADWAYS, A LOD IS SHOWN ON THE PLAN ONLY. REFER TO DRAWING NO. CUT-00-0100 FOR TYPICAL UTILITY CROSSING DETAILS.
7. MANY UTILITY CONFLICTS ALONG THE HEMPSTEAD ROAD CORRIDOR IN HOUSTON WOULD BE RESOLVED DURING FINAL DESIGN. A CONTINUOUS LOD IS SHOWN ON THE DRAWINGS TO REPRESENT THAT UTILITIES WOULD BE RELOCATED ON ONE OR BOTH SIDES OF THE ROADWAY AS REQUIRED. ALL WORK WOULD BE COORDINATED WITH UTILITY PROVIDERS TO MINIMIZE IMPACTS AND COORDINATE WITH OTHER PLANNED UTILITY PROJECTS ALONG CORRIDOR.
8. FOR UTILITY WORK REQUIRED BY UTILITY COMPANIES, EACH UTILITY OWNER WOULD DEVELOP THE DESIGN IN ACCORDANCE WITH APPLICABLE DESIGN STANDARDS AND REGULATORY AGENCY REVIEW PROCESSES.

DRAINAGE NOTES:

1. PROPOSED DETENTION BASIN LOCATIONS AND DIMENSIONS SHOWN ARE APPROXIMATE AND ARE INTENDED FOR PRELIMINARY PLANNING AND ENVIRONMENTAL IMPACT ANALYSIS PURPOSES ONLY. SITE SPECIFIC CONFIGURATIONS WOULD BE DEVELOPED DURING FINAL DESIGN IN ACCORDANCE WITH APPLICABLE REQUIREMENTS.
2. EXISTING CULVERTS ARE NOT SHOWN.
3. PROPOSED TRACK AND ROADWAY STORMWATER DRAINAGE WOULD BE DEVELOPED DURING FINAL DESIGN IN ACCORDANCE WITH APPLICABLE REQUIREMENTS. REFER TO TYPICAL SECTION DRAWINGS FOR PROPOSED CONFIGURATIONS.
4. EXISTING STORMWATER FACILITIES ARE NOT SHOWN.
5. TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) WATER QUALITY CRITERIA WOULD BE MET FOR STORMWATER RUNOFF AND PROTECTION OF EXISTING WATER RESOURCES.
6. CONSTRUCTION OF THE RAIL MAY REQUIRE THE RECONFIGURATION OF PONDS OR STOCK TANKS IMMEDIATELY ADJACENT TO THE RAIL CORRIDOR. IN CASES WHERE THE CURRENT DESIGN NECESSITATES A FULL RELOCATION OF THE POND, ALLOWANCES HAVE BEEN MADE WITHIN THE LOD. IN CASES WHERE THE FULL RELOCATION OF THE POND IS NOT REQUIRED UNDER THE CURRENT DESIGN, ADDITIONAL LANDOWNER NEGOTIATIONS WILL BE REQUIRED TO DETERMINE LAND OWNER PREFERENCES.

STRUCTURES GENERAL NOTES:

1. TYPICAL SECTIONS WERE DEVELOPED TO IDENTIFY GENERAL ARRANGEMENTS AND ALLOWANCES FOR STRUCTURAL ELEMENTS. TYPICAL SECTIONS WERE USED AS THE BASIS FOR DEVELOPMENT OF LOD FOR ENVIRONMENTAL ANALYSIS.
2. APPROXIMATE HSR VIADUCT AND BRIDGE STRUCTURE LIMITS AND DEPTHS ARE SHOWN ON THE PROFILES TO SUPPORT ENVIRONMENTAL IMPACT ANALYSIS. LIMITS OF STRUCTURES AND EMBANKMENTS WOULD BE REFINED DURING FINAL DESIGN.
3. PLAN AND PROFILE DRAWINGS DO NOT SHOW LIMITS OF STRUCTURES IN PLAN VIEW. SITE SPECIFIC STRUCTURAL DESIGN WOULD BE DEVELOPED DURING FINAL ENGINEERING IN ACCORDANCE WITH APPLICABLE REQUIREMENTS. DESIGN OF FOUNDATIONS, ABUTMENTS, PIERS AND OTHER STRUCTURES WOULD BE DEVELOPED TO MITIGATE ANY IMPACTS IDENTIFIED THROUGH ENVIRONMENTAL ANALYSIS.
4. HSR PROFILE WAS DEVELOPED TO PROVIDE A MINIMUM 3FT VERTICAL CLEAR DISTANCE FROM ESTIMATED 100 YEAR FLOOD LEVEL TO BRIDGE SOFFIT FOR RIVER AND FLOODPLAIN CROSSINGS. FINAL DESIGN WOULD BE DEVELOPED TO MEET OR EXCEED THIS REQUIREMENT.
5. SPECIAL STRUCTURES WOULD BE REQUIRED TO MITIGATE IMPACTS OR ADDRESS UNIQUE SITE SPECIFIC ISSUES SUCH AS LONG SPANS, CROSSOVER STRUCTURES, AND STRADDLE BENTS TO AVOID OR MITIGATE IMPACTS. THE CONSTRUCTABILITY REPORT IDENTIFIES SPECIAL STRUCTURE LOCATIONS. PLAN AND PROFILE DRAWINGS IDENTIFY ADDITIONAL LOD EXPECTED FOR CONSTRUCTION STAGING AND WORKING AREAS FOR SPECIAL STRUCTURES.

SYSTEMS GENERAL NOTES:

1. SYSTEMS SCHEMATICS, SHOWN ON SHEETS SYS-00-02000 THROUGH SYS-00-02005, SHOW LOCATIONS OF SYSTEMS FACILITIES THAT HAVE BEEN INCLUDED FOR EACH END-TO-END ALTERNATIVE.
2. AREA FOR SYSTEMS FACILITY SITES HAVE BEEN INCLUDED WITHIN THE PROJECT LOD. THESE AREAS ARE GENERICALLY CALLED OUT AS "RAIL SYSTEMS SITES" ON THE PLAN AND PROFILE SHEETS. REFER TO FDCE REPORT TO DETERMINE THE SPECIFIC FACILITY TYPE AT EACH INDIVIDUAL LOCATION.
3. TYPICAL LAYOUT PLANS FOR EACH OF THE SYSTEMS FACILITIES ARE INCLUDED IN SHEETS SYS-00-01000 THROUGH SYS-00-01002.
4. LOD DEVELOPED FOR ENVIRONMENTAL IMPACT ANALYSIS OF SYSTEMS SITES INCLUDED SPACE FOR A DRIVEWAY AND SPACE TO PARK A LIMITED NUMBER OF MAINTENANCE VEHICLES.
5. SYSTEMS BUILDINGS WOULD BE DETAILED DURING FINAL DESIGN TO CONSIDER SITE SPECIFIC CONDITIONS, BE CONTEXT SENSITIVE, AND MINIMIZE VISUAL IMPACT. THE RADIO MAST AT COMMUNICATION FACILITIES WOULD BE APPROXIMATELY 50FT (15M) ABOVE THE TOP OF RAIL ELEVATION.
6. TPSS WOULD BE CONNECTED TO THE NEAREST 138KV TRANSMISSION LINES DESIGNED BY UTILITY PROVIDER AND SUBJECT TO ENVIRONMENTAL REVIEW.

FACILITY NOTES:

1. PROPOSED HSR FACILITIES WOULD INCLUDE STATIONS AND ASSOCIATED PARKING GARAGES, MAINTENANCE OF WAY (MOW) FACILITIES, TRAINSET MAINTENANCE FACILITIES (TMF), AND RAILWAY SYSTEMS SITES, INCLUDING TRACTION POWER SUPPLY FACILITIES, SIGNAL HOUSES, AND COMMUNICATIONS HOUSES. LOCATIONS, LIMITS OF DISTURBANCE, AND AREAS SHOWN FOR THE VARIOUS PROPOSED FACILITIES ARE FOR PRELIMINARY PLANNING PURPOSES ONLY.
2. ALL FACILITIES WOULD BE POWERED FROM THE LOCAL UTILITY GRID.
3. ACCESS, SECURITY, AND UTILITY PROVISION REQUIREMENTS FOR ALL FACILITIES WOULD BE DETAILED DURING FINAL DESIGN.

CONSTRUCTION CONSIDERATION NOTES:

1. CONSTRUCTION REQUIREMENTS WERE CONSIDERED DURING DEVELOPMENT OF THE CONCEPTUAL ENGINEERING AND ARE DOCUMENTED IN THE PROJECT CONSTRUCTABILITY REPORT.
2. TEMPORARY CONSTRUCTION AREAS REQUIRED FOR CONSTRUCTION ACCESS, CONSTRUCTION STAGING, AND PRECASTING FACILITIES WERE IDENTIFIED DURING DEVELOPMENT OF THE CONCEPTUAL ENGINEERING. CONSTRUCTION STAGING AREAS AND PRECAST FACILITIES ARE INCLUDED IN THE PROJECT LOD.
3. SPECIAL STRUCTURES REQUIRED TO MITIGATE IMPACTS OR ADDRESS UNIQUE SITE SPECIFIC ISSUES SUCH AS LONG SPANS, CROSSOVER STRUCTURES, AND STRADDLE BENTS ARE IDENTIFIED IN THE CONSTRUCTABILITY REPORT.
4. MEASURES REQUIRED TO MITIGATE NOISE, TRAFFIC, AND OTHER ENVIRONMENTAL IMPACTS WOULD BE IDENTIFIED THROUGH THE ENVIRONMENTAL ANALYSES. MORE DETAILED DESIGN INCLUDING DEVELOPMENT OF MAINTENANCE AND PROTECTION OF TRAFFIC AND OTHER CONSTRUCTION SPECIFIC PLANS AND PROCEDURES WOULD BE REQUIRED TO SECURE APPLICABLE PERMITS PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.

REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY D. THOMPSON
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Client	Drawing Title
	GENERAL NOTES

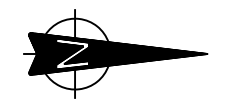
Scale	NO SCALE
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	GEN-00-00008
Rev	01

ABBREVIATIONS

LEGEND

ALT	ALTERNATE ALIGNMENT	TBD	TO BE DETERMINED
APPROX	APPROXIMATE	TCEQ	TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
ATP	AUTOTRANSFORMER POST	TEMP	TEMPORARY
AVE	AVENUE	TMF	TRAINSET MAINTENANCE FACILITY
BLVD	BOULEVARD	TPSS	TRACTION POWER SUBSTATION
BNSF	BURLINGTON NORTH SANTE FE RAILROAD	TS	TANGENT SPIRAL
BOT	BOTTOM	TYP	TYPICAL
		TOR	TOP OF RAIL
CH	COMMUNICATION HOUSE	US	UNITED STATES, UNITED STATES HIGHWAY
CO RD	COUNTY ROAD	UPRR	UNION PACIFIC RAILROAD
CL	CENTERLINE		
C	CENTERLINE	VAR	VARIABLE
CO	COUNTY	VERT, V	VERTICAL
CR	COUNTY ROAD	WB	WESTBOUND
CS	CURVE TO SPIRAL	WT	WEST OF TEAGUE
CVL	CIVIL	XING	CROSSING
		YR	YEAR
DIA	DIAMETER		
DIST	DISTANCE, DISTRICT		
DR	DRIVE		
DRG	DRAWING		
DS	DALLAS SEGMENT		
DSN	DALLAS SEGMENT NORTH		
DSS	DALLAS SEGMENT SOUTH		
DT	DALLAS TERMINUS SEGMENT		
DWY	DRIVEWAY		
Ea	ACTUAL SUPERELEVATION		
EE	ELLIS EAST SEGMENT		
ELECT	ELECTRIC		
ELEV	ELEVATION		
EMB	EMBANKMENT		
ENGR	ENGINEER		
EPA	ENVIRONMENTAL PROTECTION AGENCY		
Eu	UNBALANCED SUPERELEVATION		
EW	ELLIS WEST SEGMENT		
EXIST, EX.	EXISTING EXTERIOR		
EXT			
FDN	FOUNDATION		
FEMA	FEDERAL EMERGENCY MANAGEMENT AGENCY		
FG	FINISHED GRADE		
FIG	FIGURE		
FL	FLOW LINE		
FM	FARM TO MARKET ROAD		
FRS	FREIGHT RAIL SIDING		
FTG	FOOTING		
FWY	FREEWAY		
G	GRADIENT		
GEN	GENERAL		
H	HEIGHT, HIGHWAY BRIDGE		
HN	HOUSTON SEGMENT		
HNN	HOUSTON SEGMENT NORTH		
HNS	HOUSTON SEGMENT SOUTH		
HORIZ, H	HORIZONTAL		
HRW	HIGHWAY RETAINING WALL		
HSR	HIGH SPEED RAIL		
HT	HOUSTON TERMINUS SEGMENT		
HWY	HIGHWAY		
IH	INTERSTATE HIGHWAY		
ISH	INTERMEDIATE SIGNAL HOUSE		
KV	KILOVOLT		
L	LENGTH		
LN	LANE		
LOD	LIMITS OF DISTURBANCE		
LVC	LENGTH OF VERTICAL CURVE		
MAINT	MAINTENANCE		
MAX	MAXIMUM		
MOW	MAINTENANCE-OF-WAY		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MPH	MILES PER HOUR		
MSH	MAIN SIGNAL HOUSE		
NB	NORTHBOUND		
NE	NAVARRO EAST SEGMENT		
NED	NATIONAL ELEVATION DATASET		
NHD	NATIONAL HYDROGRAPHY DATASET		
NLCD	NATIONAL LAND COVER DATASET		
NO	NUMBER		
NTS	NOT TO SCALE		
N/A	NOT APPLICABLE		
NW	NAVARRO WEST SEGMENT, NOISE WALL		
NWI	NATIONAL WETLANDS INVENTORY		
NWIH	PORTION OF NAVARRO WEST ASSOCIATED WITH IH-45 SEGMENT		
OCS	OVERHEAD CATENARY SYSTEM		
OD	OUTSIDE DIAMETER		
OG	ORIGINAL GRADE		
OH	OVERHEAD		
OPP	OPPOSITE		
PKWY	PARKWAY		
POB	POINT OF BEGINNING		
POE	POINT OF END		
PVMT	PAVEMENT		
PVC	POINT VERTICAL CURVATURE		
PVI	POINT VERTICAL INTERSECTION		
PVT	POINT VERTICAL TANGENT		
R	RADIUS, RAIL BRIDGE		
RD	ROAD		
RDWY	ROADWAY		
RM	RANCH TO MARKET ROAD		
ROW	RIGHT OF WAY		
RR, R/R	RAILROAD		
RTE	ROUTE		
RWY	RAILWAY		
SC	SPIRAL CURVE		
SH	STATE HIGHWAY		
SO	SIDING OFF		
SP	SECTIONING POST		
SSH	SUB-SIGNAL HOUSE		
SSP	SUB-SECTIONING POST		
ST	STREET, SPIRAL TO TANGENT		
STA	STATION		
STD	STANDARD		
SYM	SYMMETRICAL		

PLAN



--- --- ---
CITY / COUNTY BOUNDARY LINE

--- --- ---
MATCH LINE

--- --- ---
CONCEPTUAL ENGINEERING LIMITS OF DISTURBANCE (LOD)

--- --- ---
PROPOSED CENTERLINE OF HIGH-SPEED RAIL WITH STATIONING

--- --- ---
EDGE OF VIADUCT

--- --- ---
PROPOSED ROADWAY EDGE OF PAVEMENT

--- --- ---
CONTOURS

--- --- ---
EXISTING TRANSMISSION LINE

--- --- ---
FENCE

--- --- ---
RETAINING WALL

--- --- ---
CULVERT

PROFILE

--- --- ---
TOP OF RAIL

--- --- ---
EXISTING GROUND

--- --- ---
FEMA 100 YR FLOOD LEVEL

--- --- ---
VIADUCT ABUTMENT AND STRUCTURE SOFFIT

--- --- ---
UTILITY CROSSING

UTILITY / PIPELINE

TEMPORARY CONSTRUCTION AREA

UTILITY LIMIT OF DISTURBANCE (LOD)

RAIL SYSTEMS SITE

DETENTION BASIN

BUILDING TO BE DEMOLISHED

RAIL ON EMBANKMENT (FILL)

RAIL IN CUT

NOTE:
1. FOR ADDITIONAL DETAIL REGARDING INFORMATION SHOWN ON DRAWINGS, SEE RAIL ANNOTATION TO CLARIFY DESIGN INTENT, DRAWING GEN-00-00010. SEE ROAD ANNOTATION TO CLARIFY DESIGN INTENT, DRAWING GEN-00-00011.

DESIGNED BY	D. THOMPSON
DRAWN BY	D. THOMPSON
CHECKED BY	R. BURNS
IN CHARGE	C. TAYLOR
DATE	09/15/2017



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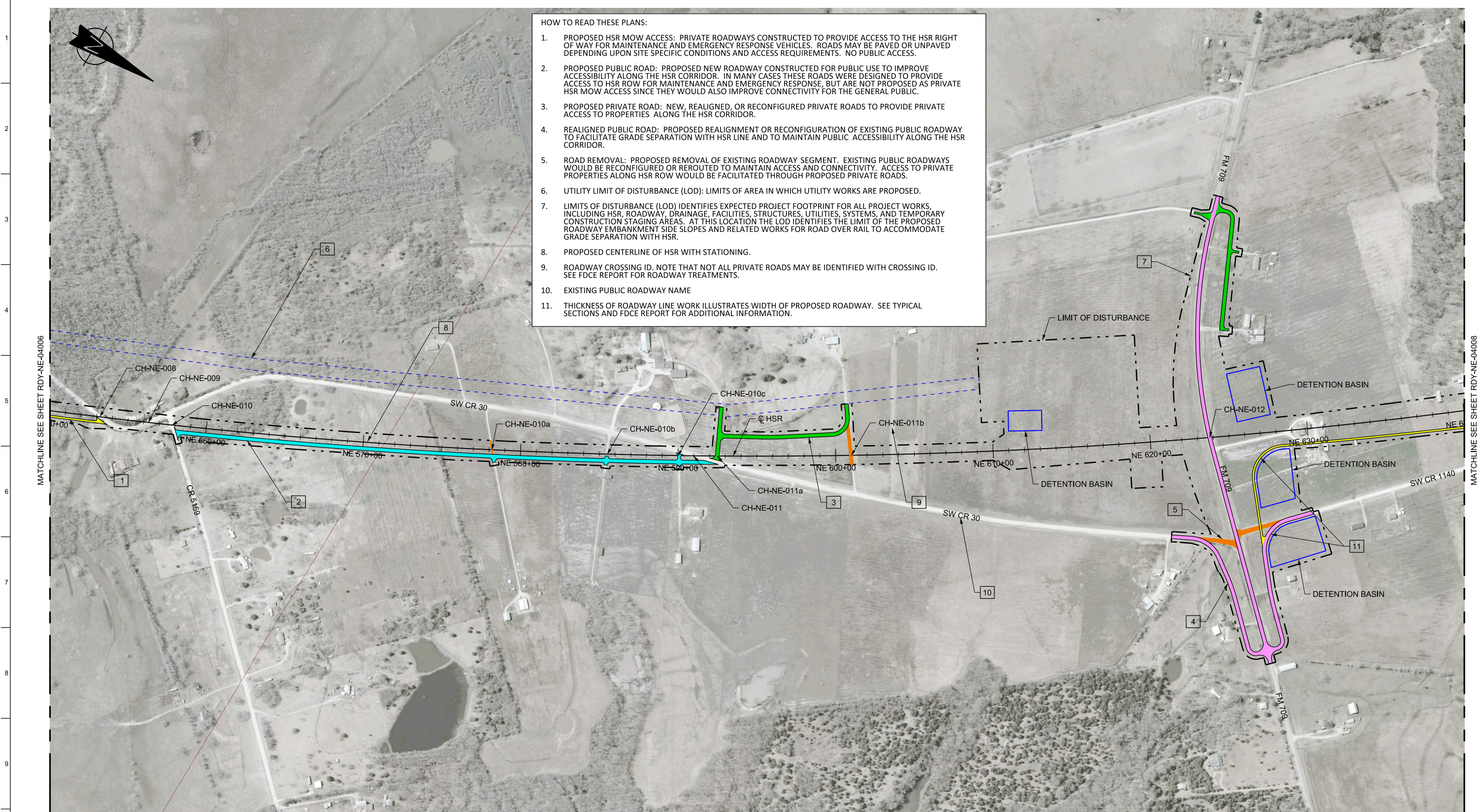
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Drawing Title
GENERAL ABBREVIATIONS AND LEGEND

Scale	NO SCALE
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	GEN-00-00009
Rev	01



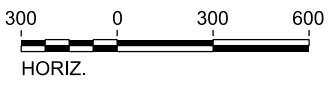
- HOW TO READ THESE PLANS:
1. PROPOSED HSR MOW ACCESS: PRIVATE ROADWAYS CONSTRUCTED TO PROVIDE ACCESS TO THE HSR RIGHT OF WAY FOR MAINTENANCE AND EMERGENCY RESPONSE VEHICLES. ROADS MAY BE PAVED OR UNPAVED DEPENDING UPON SITE SPECIFIC CONDITIONS AND ACCESS REQUIREMENTS. NO PUBLIC ACCESS.
 2. PROPOSED PUBLIC ROAD: PROPOSED NEW ROADWAY CONSTRUCTED FOR PUBLIC USE TO IMPROVE ACCESSIBILITY ALONG THE HSR CORRIDOR. IN MANY CASES THESE ROADS WERE DESIGNED TO PROVIDE ACCESS TO HSR ROW FOR MAINTENANCE AND EMERGENCY RESPONSE, BUT ARE NOT PROPOSED AS PRIVATE HSR MOW ACCESS SINCE THEY WOULD ALSO IMPROVE CONNECTIVITY FOR THE GENERAL PUBLIC.
 3. PROPOSED PRIVATE ROAD: NEW, REALIGNED, OR RECONFIGURED PRIVATE ROADS TO PROVIDE PRIVATE ACCESS TO PROPERTIES ALONG THE HSR CORRIDOR.
 4. REALIGNED PUBLIC ROAD: PROPOSED REALIGNMENT OR RECONFIGURATION OF EXISTING PUBLIC ROADWAY TO FACILITATE GRADE SEPARATION WITH HSR LINE AND TO MAINTAIN PUBLIC ACCESSIBILITY ALONG THE HSR CORRIDOR.
 5. ROAD REMOVAL: PROPOSED REMOVAL OF EXISTING ROADWAY SEGMENT. EXISTING PUBLIC ROADWAYS WOULD BE RECONFIGURED OR REROUTED TO MAINTAIN ACCESS AND CONNECTIVITY. ACCESS TO PRIVATE PROPERTIES ALONG HSR ROW WOULD BE FACILITATED THROUGH PROPOSED PRIVATE ROADS.
 6. UTILITY LIMIT OF DISTURBANCE (LOD): LIMITS OF AREA IN WHICH UTILITY WORKS ARE PROPOSED.
 7. LIMITS OF DISTURBANCE (LOD) IDENTIFIES EXPECTED PROJECT FOOTPRINT FOR ALL PROJECT WORKS, INCLUDING HSR, ROADWAY, DRAINAGE, FACILITIES, STRUCTURES, UTILITIES, SYSTEMS, AND TEMPORARY CONSTRUCTION STAGING AREAS. AT THIS LOCATION THE LOD IDENTIFIES THE LIMIT OF THE PROPOSED ROADWAY EMBANKMENT SIDE SLOPES AND RELATED WORKS FOR ROAD OVER RAIL TO ACCOMMODATE GRADE SEPARATION WITH HSR.
 8. PROPOSED CENTERLINE OF HSR WITH STATIONING.
 9. ROADWAY CROSSING ID. NOTE THAT NOT ALL PRIVATE ROADS MAY BE IDENTIFIED WITH CROSSING ID. SEE FDCE REPORT FOR ROADWAY TREATMENTS.
 10. EXISTING PUBLIC ROADWAY NAME
 11. THICKNESS OF ROADWAY LINE WORK ILLUSTRATES WIDTH OF PROPOSED ROADWAY. SEE TYPICAL SECTIONS AND FDCE REPORT FOR ADDITIONAL INFORMATION.

MATCHLINE SEE SHEET RDY-NE-04006

MATCHLINE SEE SHEET RDY-NE-04008

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. ALMAGUER

DRAWN BY
P. TONKIN

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Client

TEXAS CENTRAL

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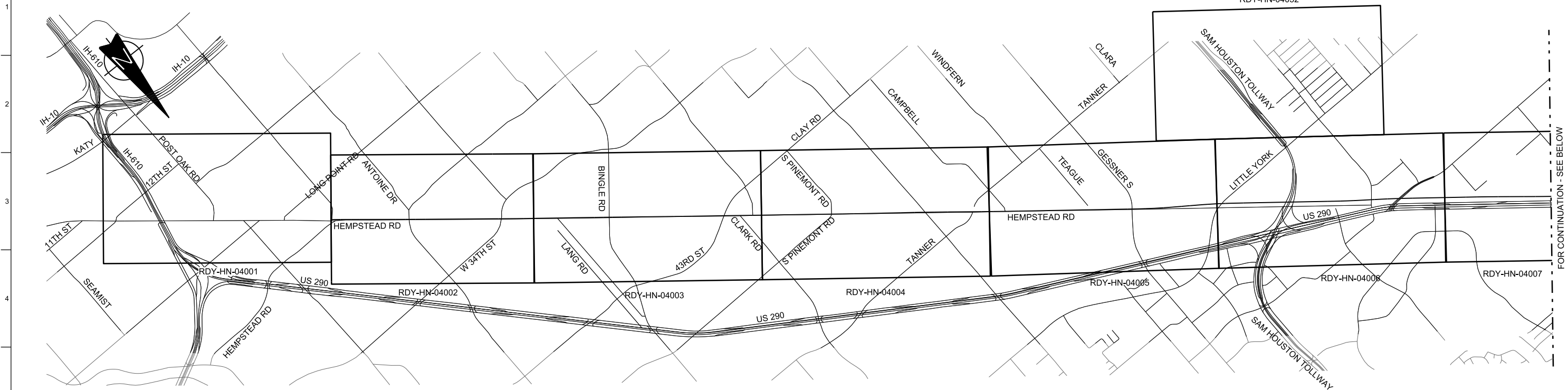
Drawing Title

GENERAL

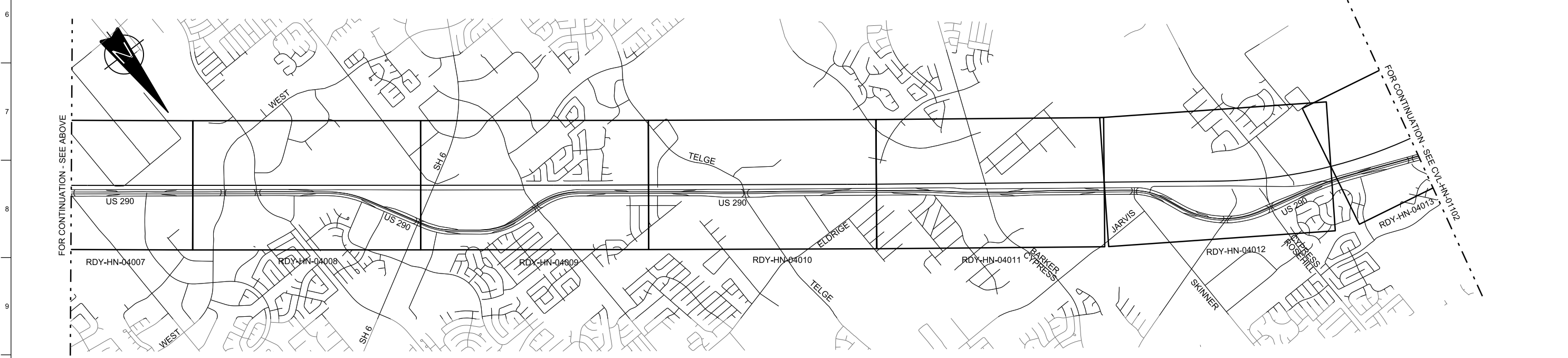
ROADWAY ANNOTATION TO CLARIFY DESIGN INTENT

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No GEN-00-00011	Rev 01

4-1
HOUSTON SEGMENT

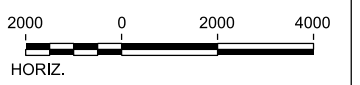


FOR CONTINUATION - SEE BELOW



FOR CONTINUATION - SEE ABOVE

FOR CONTINUATION - SEE CIVIL HD 1102



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SANSONE

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017



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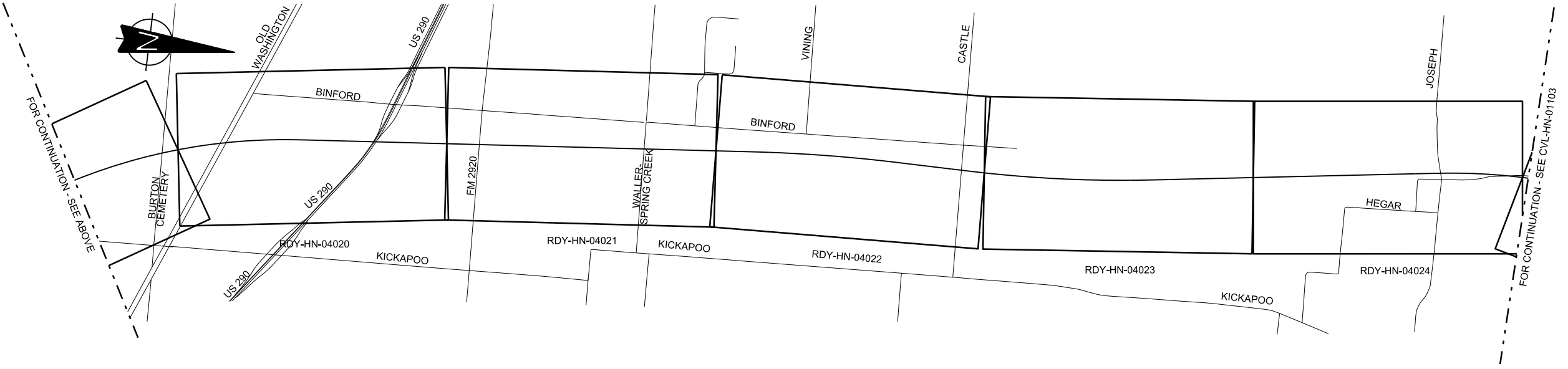
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Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
KEY MAP - SHEET 1 OF 4
HN1 10+00 TO HN1 1030+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-01101	Rev 01



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SANSONE

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017



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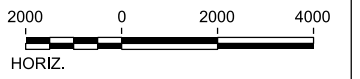
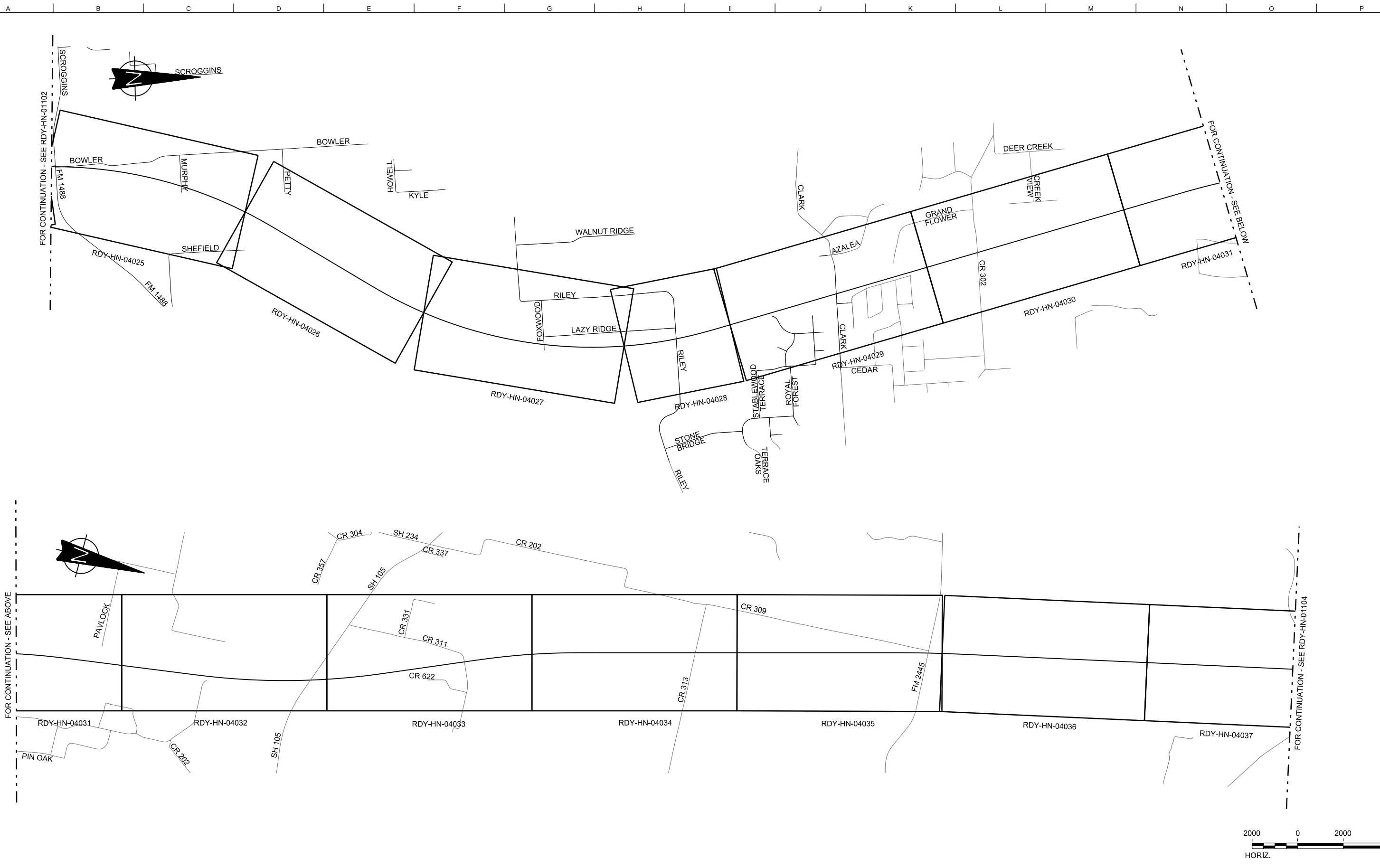
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Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
KEY MAP - SHEET 2 OF 4
HN1 1030+00 TO HN1 2070+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-01102	Rev 01



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SANSONE

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

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DATE
09/15/2017



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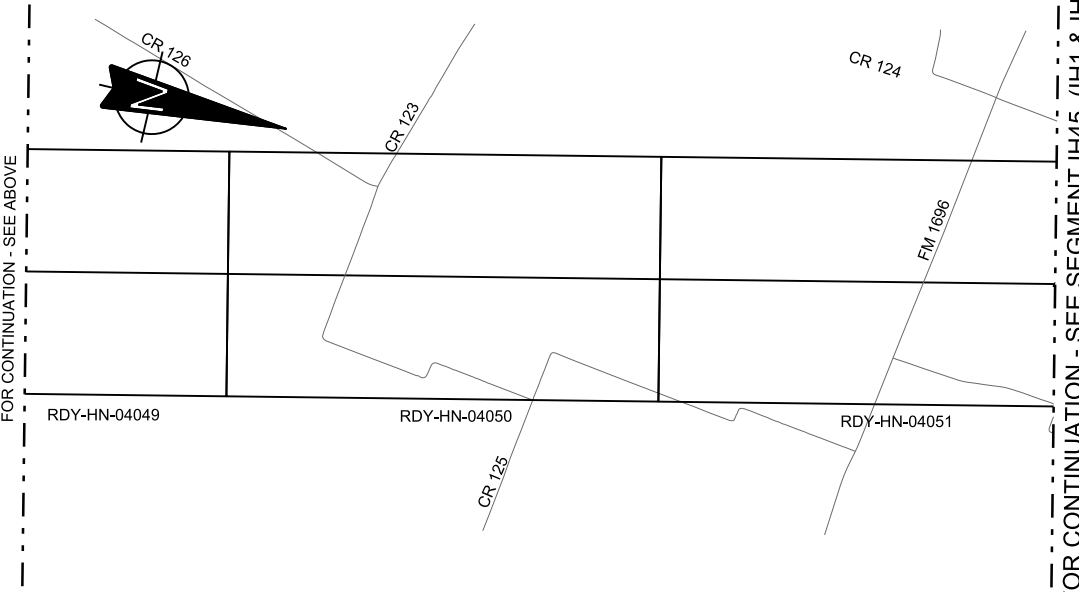
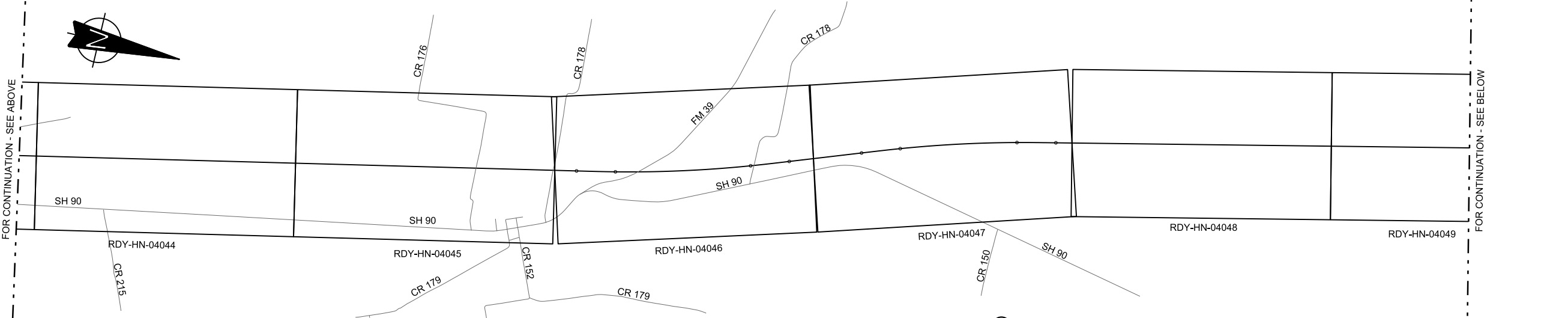
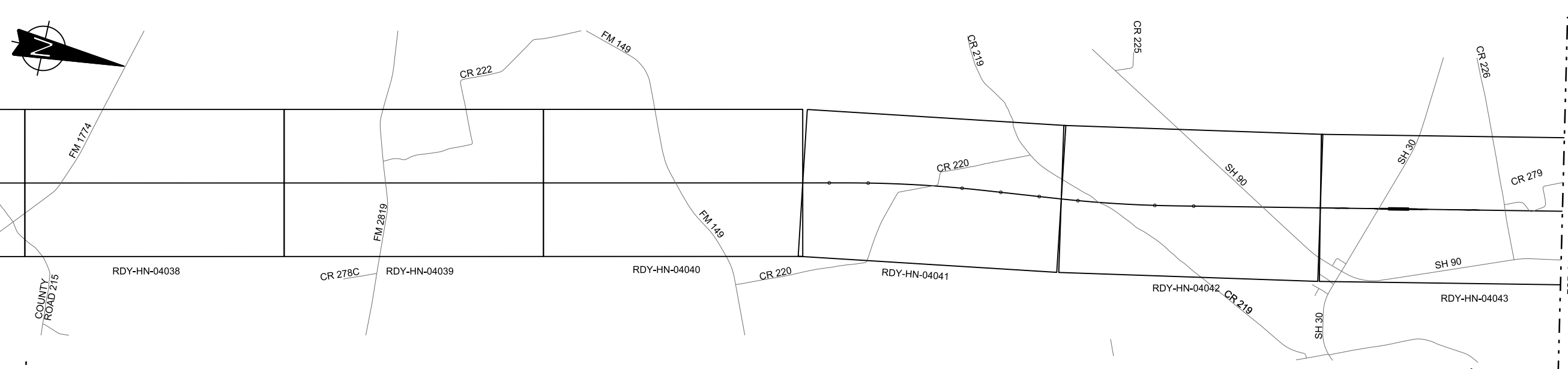
Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
KEY MAP - SHEET 3 OF 4
HN1 2070+00 TO HN2 790+00**

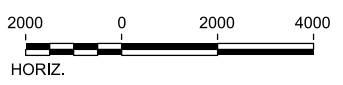
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Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-01103	Rev 01

FOR CONTINUATION - SEE CIVL-HN-01103

FOR CONTINUATION - SEE BELOW



FOR CONTINUATION - SEE SEGMENT IH45, (IH1 & IH2)



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SANSONE

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017



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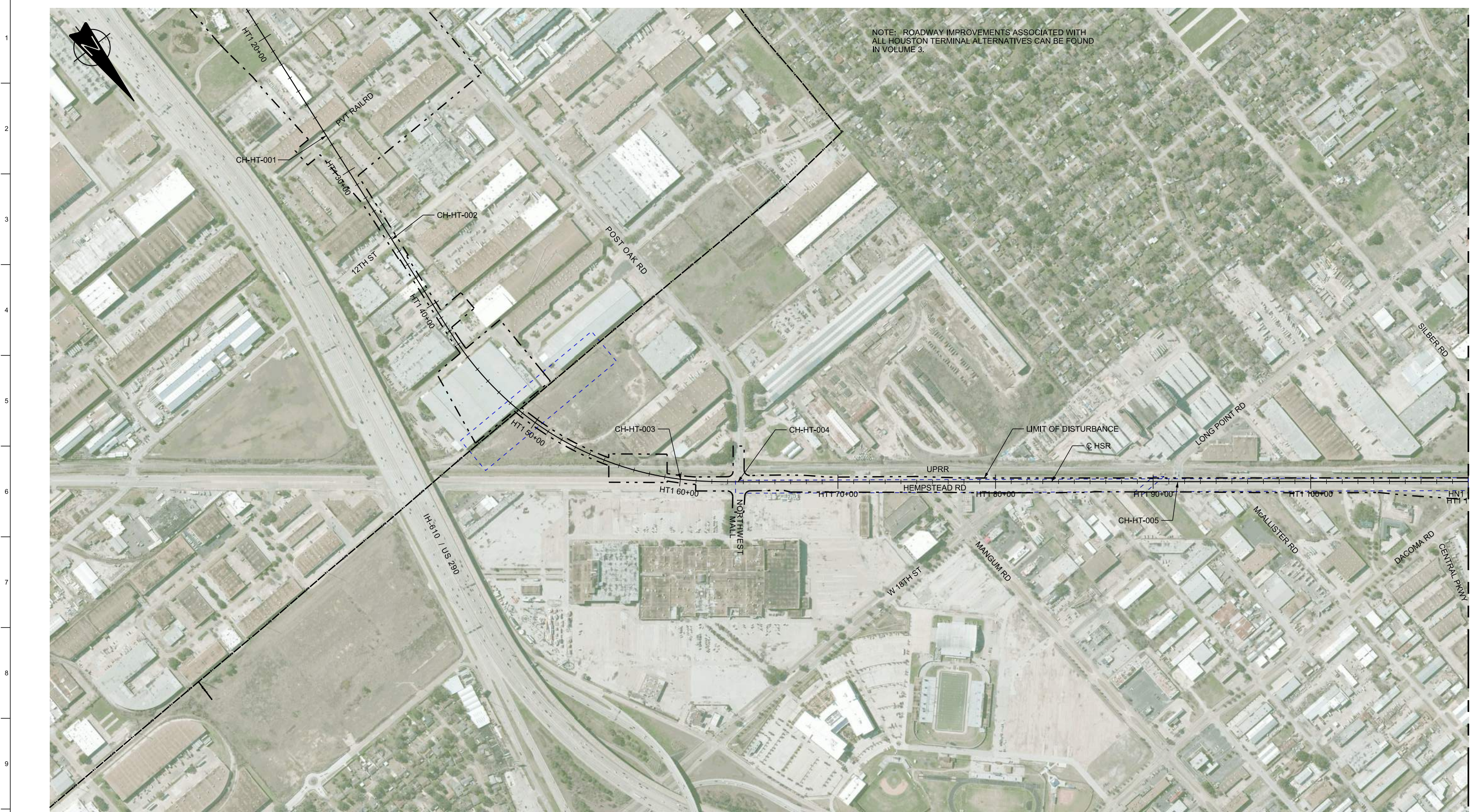


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Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
KEY MAP - SHEET 4 OF 4
HN2 790+00 TO HN2 2073+80**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-01104	Rev 01



NOTE: ROADWAY IMPROVEMENTS ASSOCIATED WITH ALL HOUSTON TERMINAL ALTERNATIVES CAN BE FOUND IN VOLUME 3.

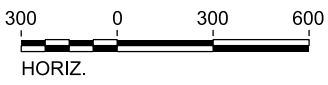
MATCHLINE SEE SHEET RDY-HN-04002

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE

PLAN

NOTE: THIS DRAWING REPRESENTS HSR ALIGNMENT WITHOUT HT2 OR HT3

NOTE: PROPOSED CONFIGURATION OF HEMPSTEAD ROAD SHOWN ON DRAWING CVL-00-3034 IN VOLUME 1.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
J. COLQUHOUN
DRAWN BY
R. PATERSON
CHECKED BY
G. VOWELS
IN CHARGE
C. TAYLOR
DATE
09/15/2017



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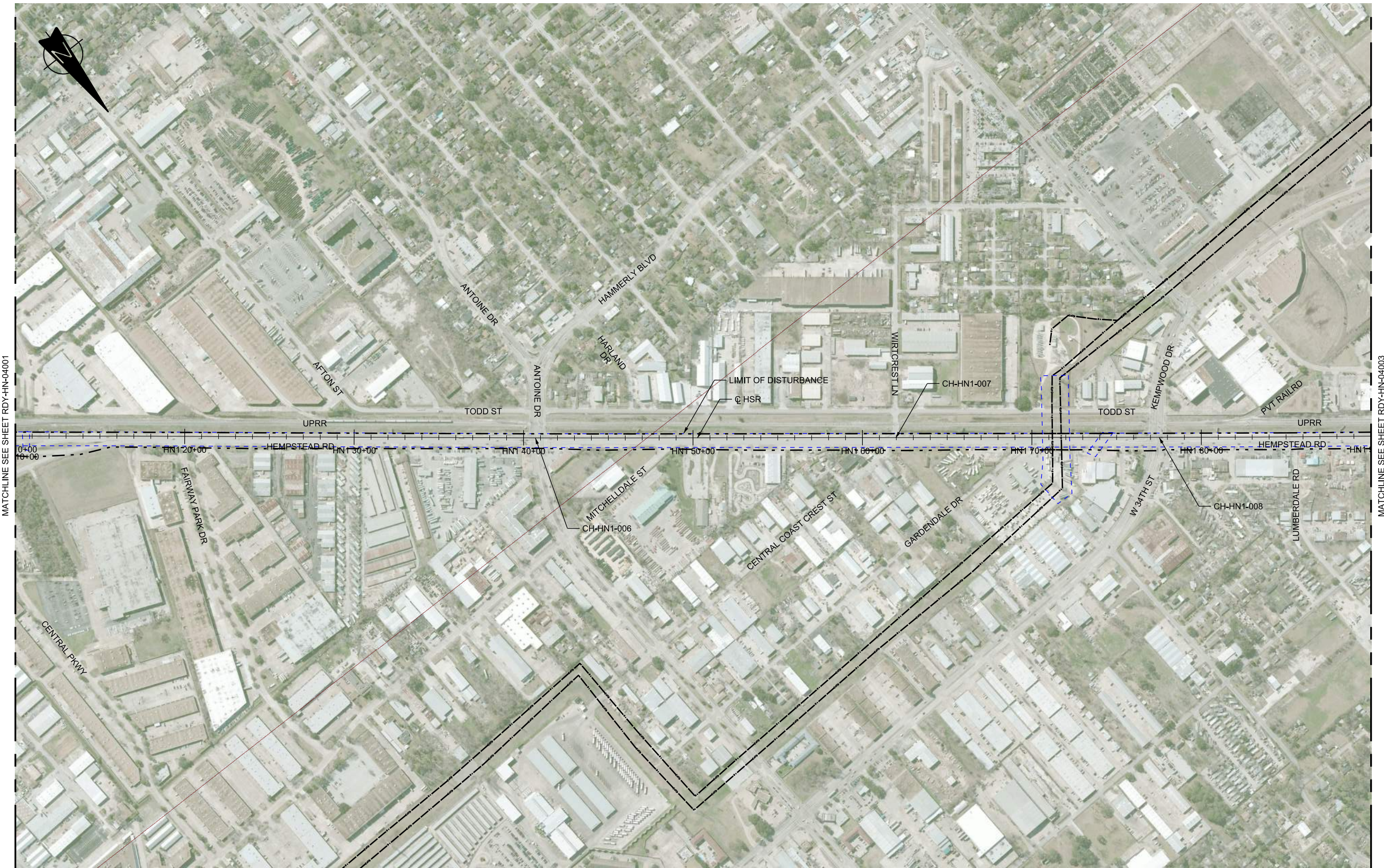


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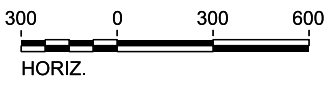
Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA
HT1 20+00 TO HT1 110+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04001	Rev 01



LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE

NOTE: PROPOSED CONFIGURATION OF HEMPSTEAD ROAD SHOWN ON DRAWING CVL-00-3034 IN VOLUME 1.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Client

TEXAS CENTRAL
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
 CIVIL HIGHWAY
 PLAN VIEW - STA.
 HN1 10+00 TO HN1 90+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	Drawing No	Rev	
234180	RDY-HN-04002	01	

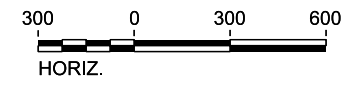


MATCHLINE SEE SHEET RDY-HN-04002

MATCHLINE SEE SHEET RDY-HN-04004

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE

NOTE: PROPOSED CONFIGURATION OF HEMPSTEAD ROAD SHOWN ON DRAWING CVL-00-3034 IN VOLUME 1.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER
DRAWN BY
J. ALMAGUER
CHECKED BY
G. VOWELS
IN CHARGE
C. TAYLOR
DATE
09/15/2017



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Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 90+00 TO HN1 180+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04003	Rev 01

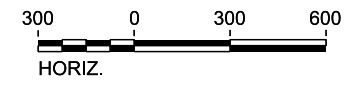


MATCHLINE SEE SHEET RDY-HN-04003

MATCHLINE SEE SHEET RDY-HN-04005

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE

NOTE: PROPOSED CONFIGURATION OF HEMPSTEAD ROAD SHOWN ON DRAWING CVL-00-3034 IN VOLUME 1.



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017



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Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 180+00 TO HN1 270+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04004	Rev 01



THIS DRAWING REPRESENTS THE HSR ALIGNMENT AND LOD WITHOUT THE CONNECTION TO THE DALLAS SOUTH MOW FACILITY ALTERNATIVE. REFER TO MNT-DS-04043 FOR THE DALLAS SOUTH MOW FACILITY ALTERNATIVE LOD AND CONNECTION TO THE HSR MAIN LINE.

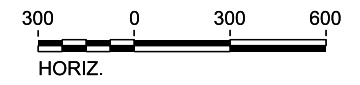
MATCHLINE SEE SHEET RDY-HN-04004

MATCHLINE SEE SHEET RDY-HN-04006

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE

PLAN

NOTE: PROPOSED CONFIGURATION OF HEMPSTEAD ROAD SHOWN ON DRAWING CVL-00-3034 IN VOLUME 1.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER
DRAWN BY
J. ALMAGUER
CHECKED BY
G. VOWELS
IN CHARGE
C. TAYLOR
DATE
09/15/2017



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Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 270+00 TO HN1 360+00**

Scale AS SHOWN	Drawing Status FINAL DRAFT
Job No 234180	Drawing No RDY-HN-04005
	Rev 01

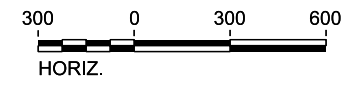


MATCHLINE SEE SHEET RDY-HN-04005

MATCHLINE SEE SHEET RDY-HN-04007

LEGEND

	PROPOSED HSR MOW ACCESS		ROAD REMOVAL
	PROPOSED PUBLIC ROAD		UTILITY LIMIT OF DISTURBANCE
	PROPOSED PRIVATE ROAD		ELECTRICAL TRANS. LINE
	REALIGNED PUBLIC ROAD		



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017



Arup Texas, Inc.
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Houston, Texas 77042 USA
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www.arup.com
Texas Registered Engineering Firm: F-1990



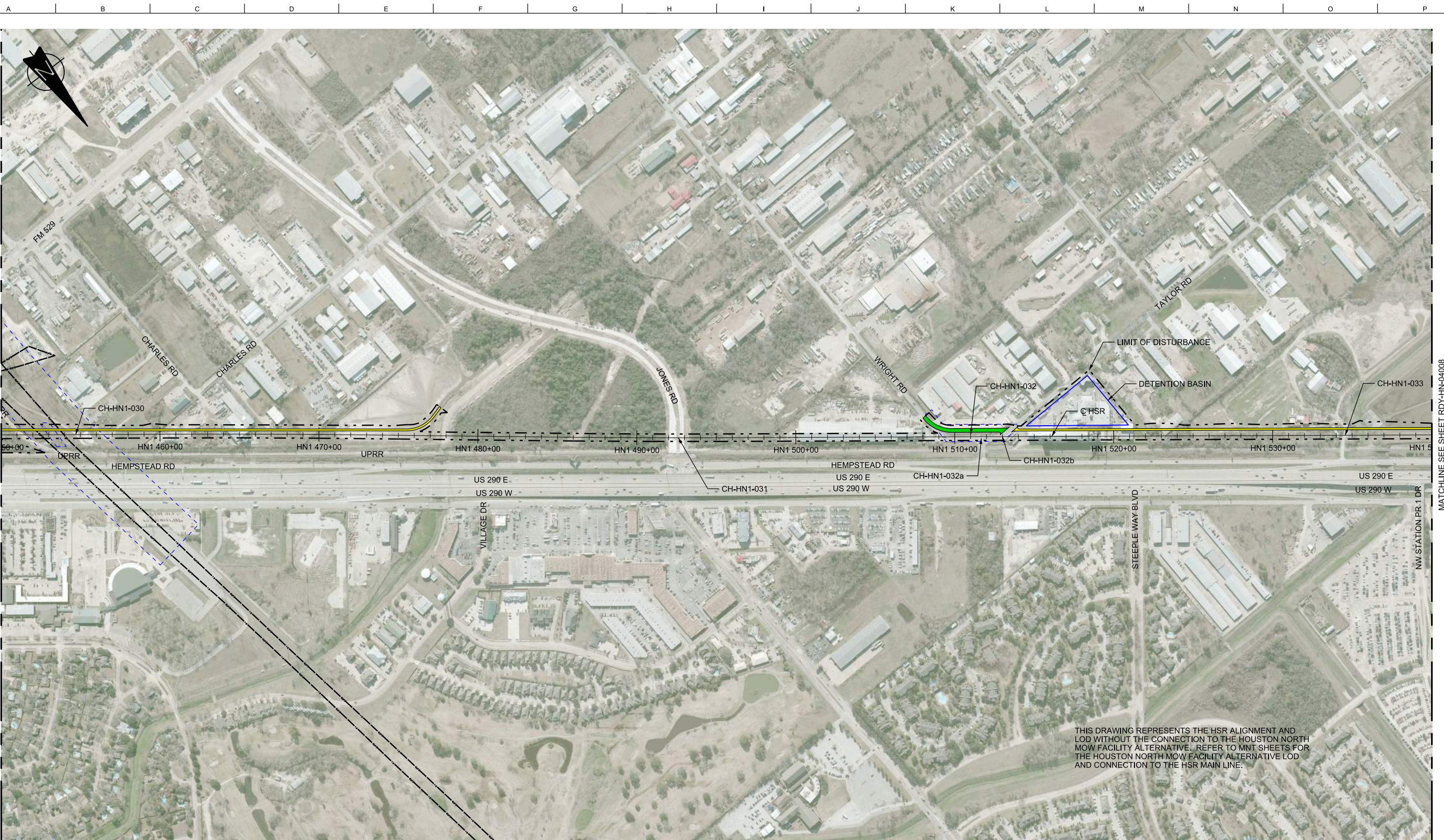
2711 North Haskell Ave., Suite 3300
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Tel (214) 217 2200 Fax (214) 217 2201
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Texas Registered Engineering Firm: F-2144



Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 360+00 TO HN1 450+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04006	Rev 01

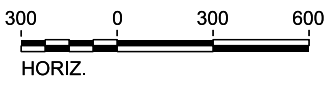


MATCHLINE SEE SHEET RDY-HN-04006

MATCHLINE SEE SHEET RDY-HN-04008

THIS DRAWING REPRESENTS THE HSR ALIGNMENT AND LOD WITHOUT THE CONNECTION TO THE HOUSTON NORTH MOW FACILITY ALTERNATIVE. REFER TO MNT SHEETS FOR THE HOUSTON NORTH MOW FACILITY ALTERNATIVE LOD AND CONNECTION TO THE HSR MAIN LINE.

LEGEND	
 PROPOSED HSR MOW ACCESS	 ROAD REMOVAL
 PROPOSED PUBLIC ROAD	 UTILITY LIMIT OF DISTURBANCE
 PROPOSED PRIVATE ROAD	 ELECTRICAL TRANS. LINE
 REALIGNED PUBLIC ROAD	



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Client

TEXAS CENTRAL

1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 450+00 TO HN1 540+00**

Scale
AS SHOWN

Drawing Status
FINAL DRAFT

Job No 234180	Drawing No RDY-HN-04007	Rev 01
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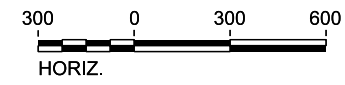
MATCHLINE SEE SHEET RDY-HN-04008



MATCHLINE SEE SHEET RDY-HN-04007

MATCHLINE SEE SHEET RDY-HN-04009

LEGEND	
 PROPOSED HSR MOW ACCESS	 ROAD REMOVAL
 PROPOSED PUBLIC ROAD	 UTILITY LIMIT OF DISTURBANCE
 PROPOSED PRIVATE ROAD	 ELECTRICAL TRANS. LINE
 REALIGNED PUBLIC ROAD	



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER
DRAWN BY
J. ALMAGUER
CHECKED BY
G. VOWELS
IN CHARGE
C. TAYLOR
DATE
09/15/2017

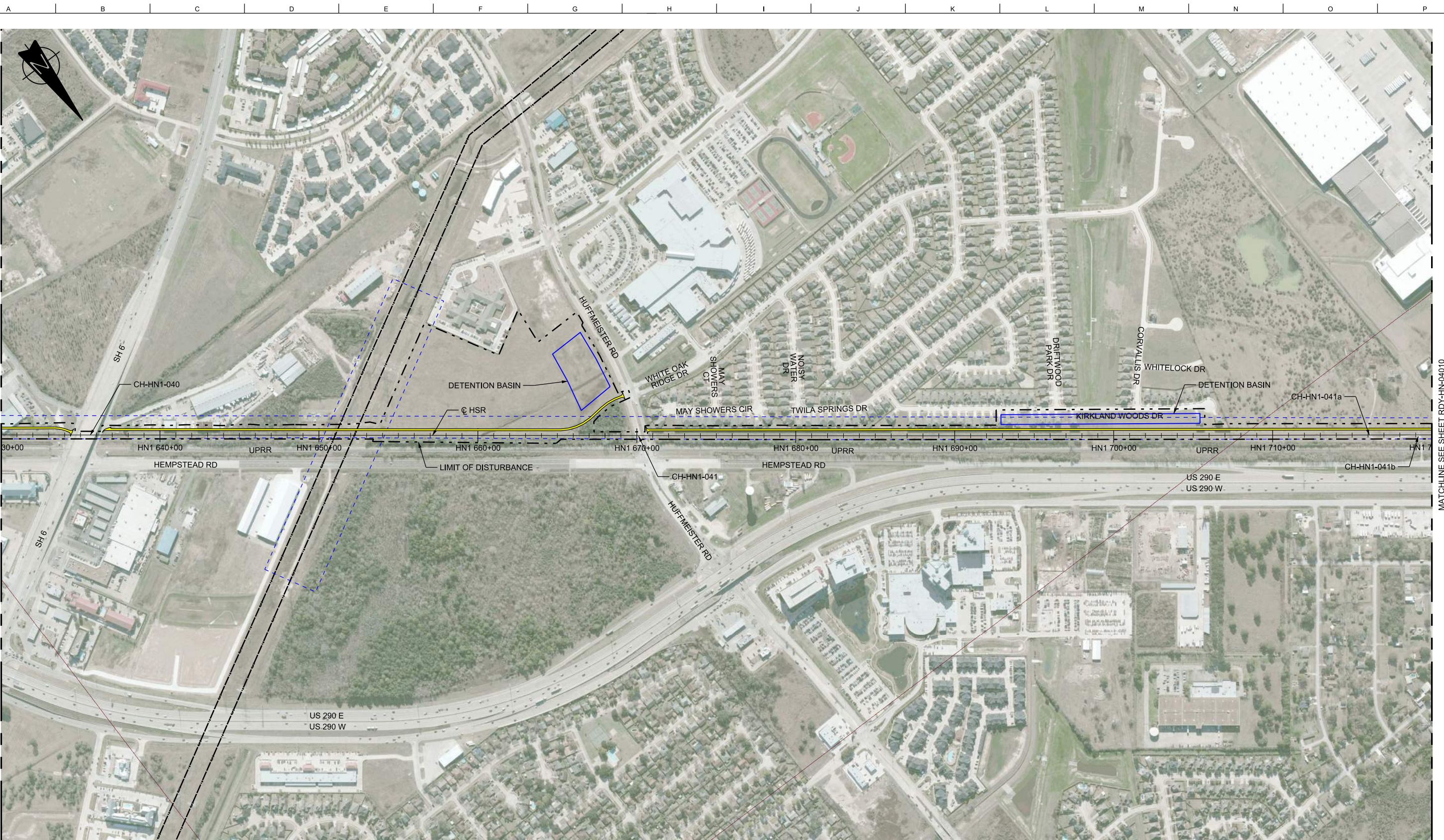
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Texas Registered Engineering Firm: F-2144

Client
TEXAS CENTRAL
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 540+00 TO HN1 630+00**

Scale AS SHOWN	Drawing Status FINAL DRAFT
Job No 234180	Drawing No RDY-HN-04008
	Rev 01

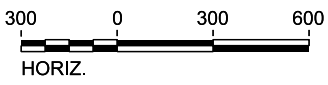


MATCHLINE SEE SHEET RDY-HN-04008

MATCHLINE SEE SHEET RDY-HN-04010

LEGEND

	PROPOSED HSR MOW ACCESS		ROAD REMOVAL
	PROPOSED PUBLIC ROAD		UTILITY LIMIT OF DISTURBANCE
	PROPOSED PRIVATE ROAD		ELECTRICAL TRANS. LINE
	REALIGNED PUBLIC ROAD		



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER
DRAWN BY
J. ALMAGUER
CHECKED BY
G. VOWELS
IN CHARGE
C. TAYLOR
DATE
09/15/2017

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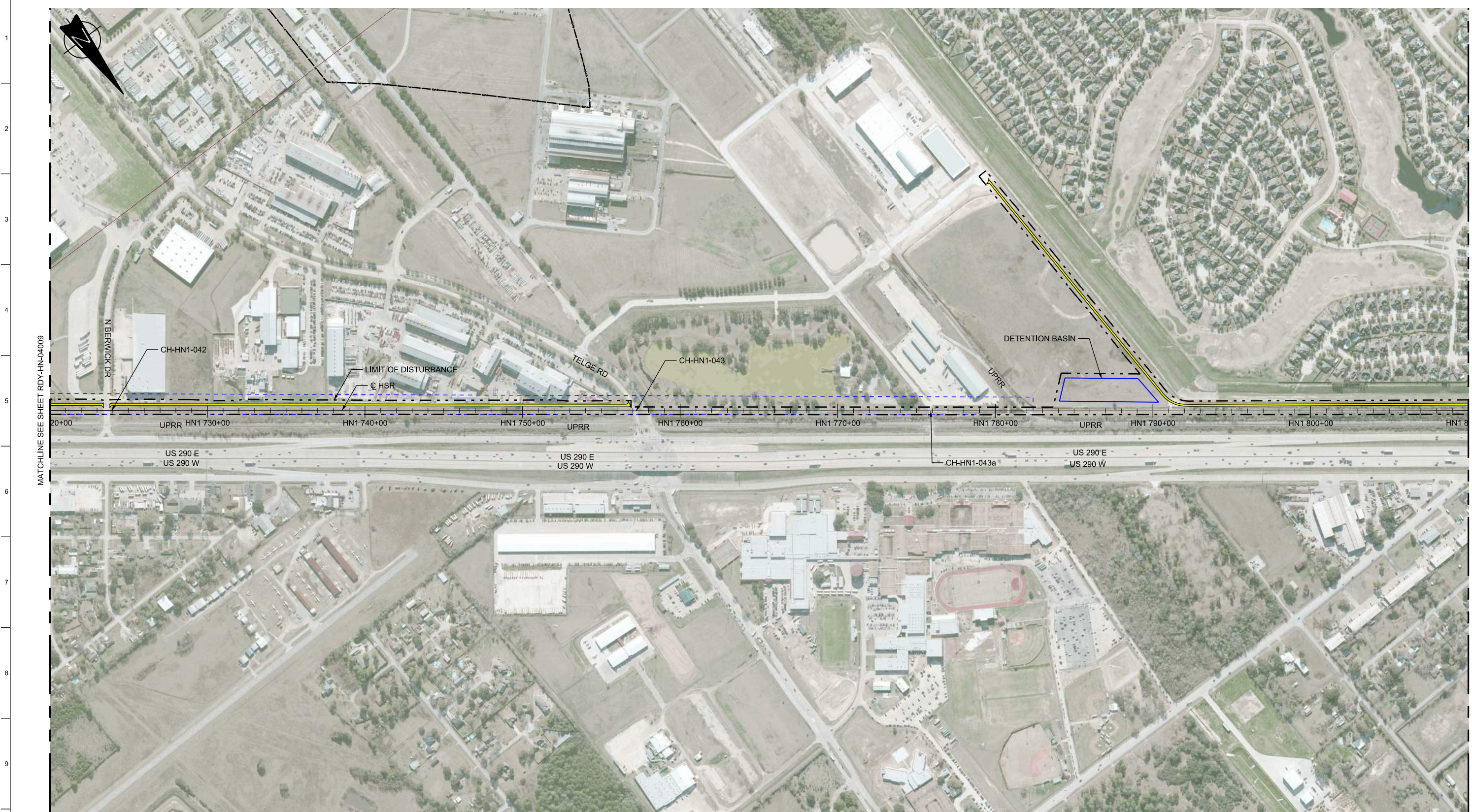
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Texas Registered Engineering Firm: F-2144

Client

TEXAS CENTRAL
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 630+00 TO HN1 720+00**

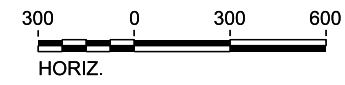
Scale
AS SHOWN
Drawing Status
FINAL DRAFT
Job No: 234180
Drawing No: RDY-HN-04009
Rev: 01



MATCHLINE SEE SHEET RDY-HN-04009

MATCHLINE SEE RDY-HN-04011

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Client

TEXAS CENTRAL

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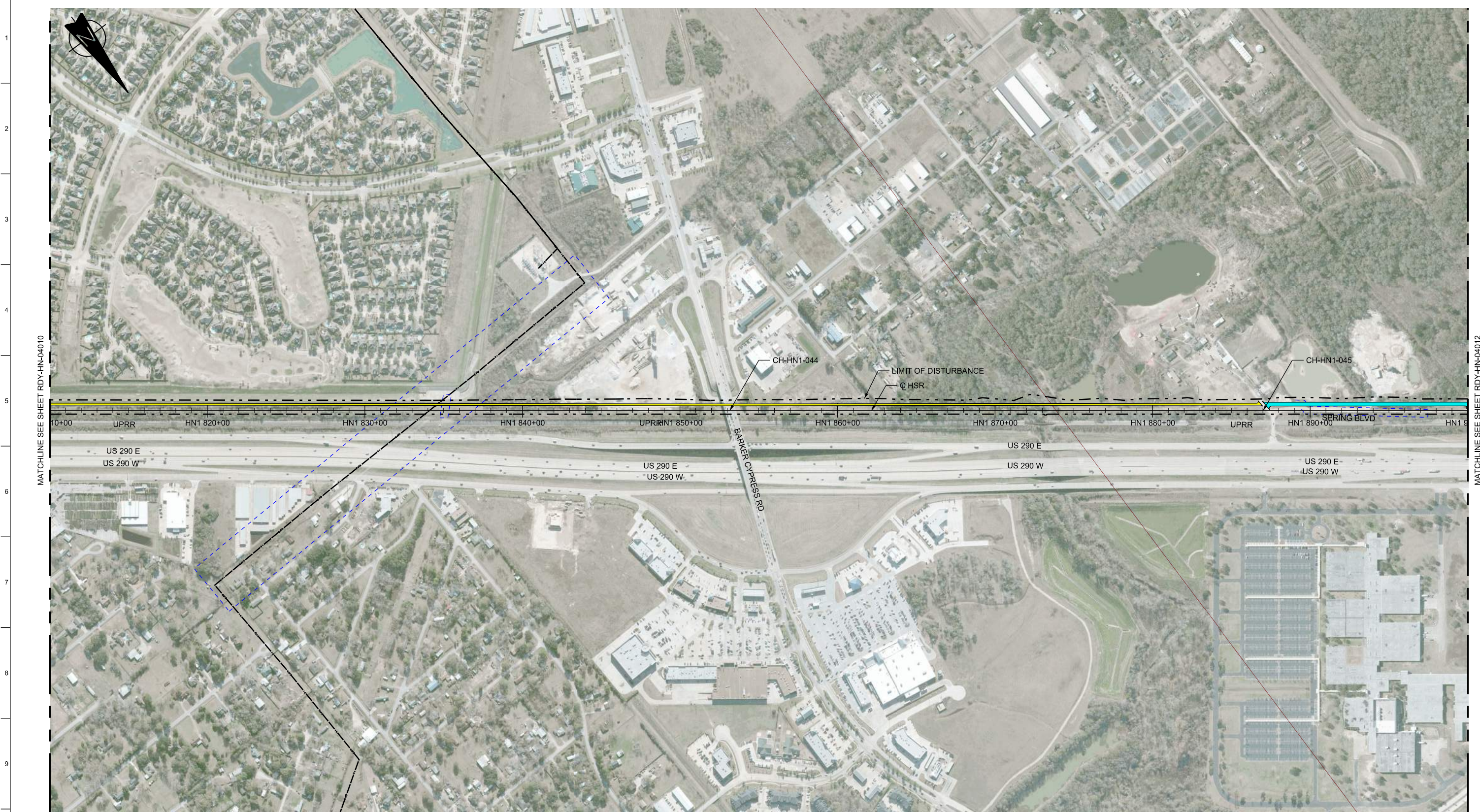
Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 720+00 TO HN1 810+00**

Scale
AS SHOWN

Drawing Status
FINAL DRAFT

Job No 234180	Drawing No RDY-HN-04010	Rev 01
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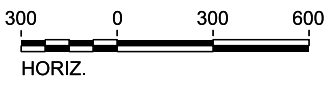


MATCHLINE SEE SHEET RDY-HN-04010

MATCHLINE SEE SHEET RDY-HN-04012



LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
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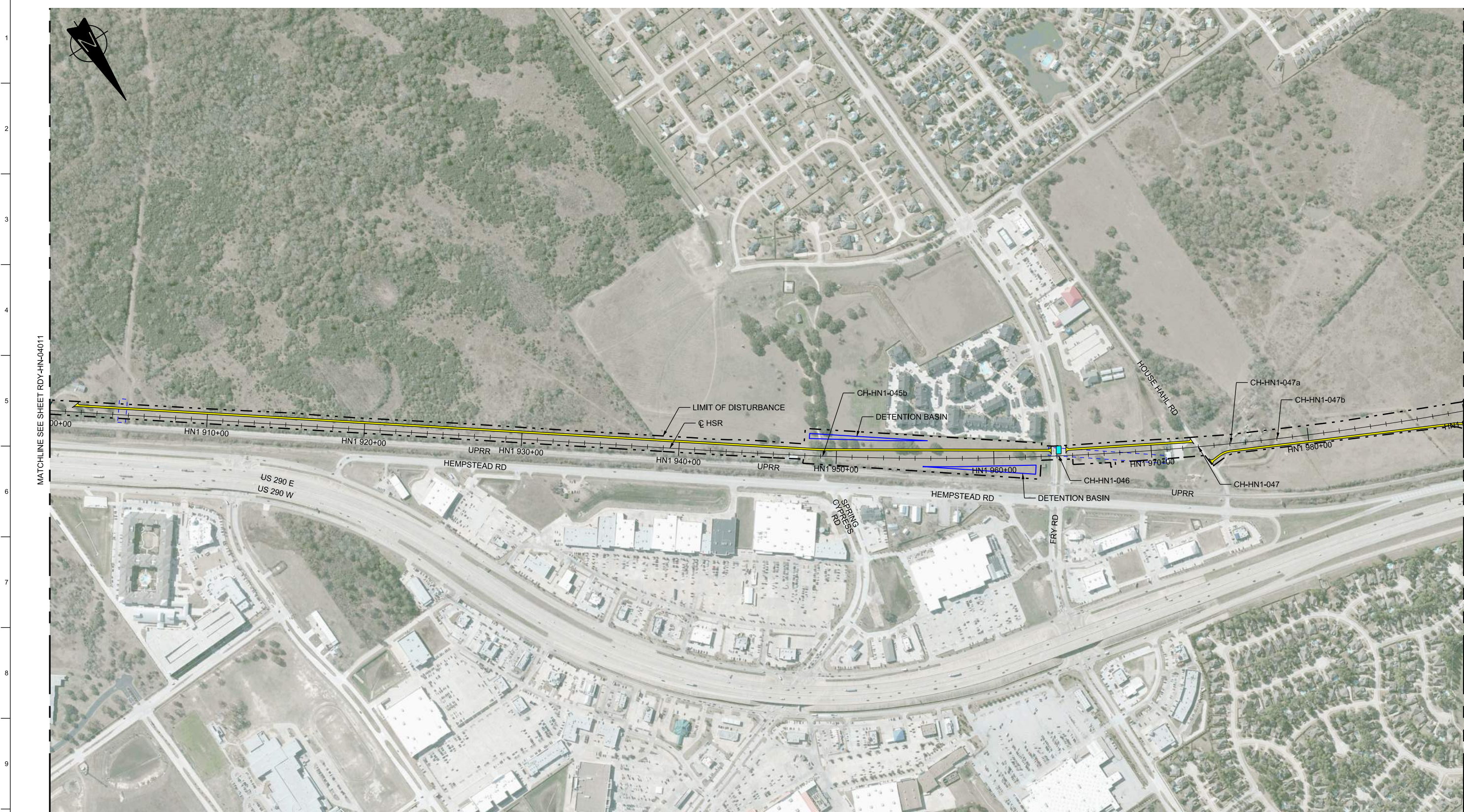
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Client
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Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 810+00 TO HN1 900+00**

Scale AS SHOWN	Drawing Status FINAL DRAFT	
Job No 234180	Drawing No RDY-HN-04011	Rev 01

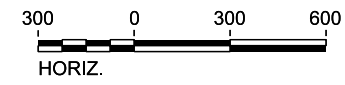


MATCHLINE SEE SHEET RDY-HN-04011

MATCHLINE SEE SHEET RDY-HN-04013



LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Client

TEXAS CENTRAL

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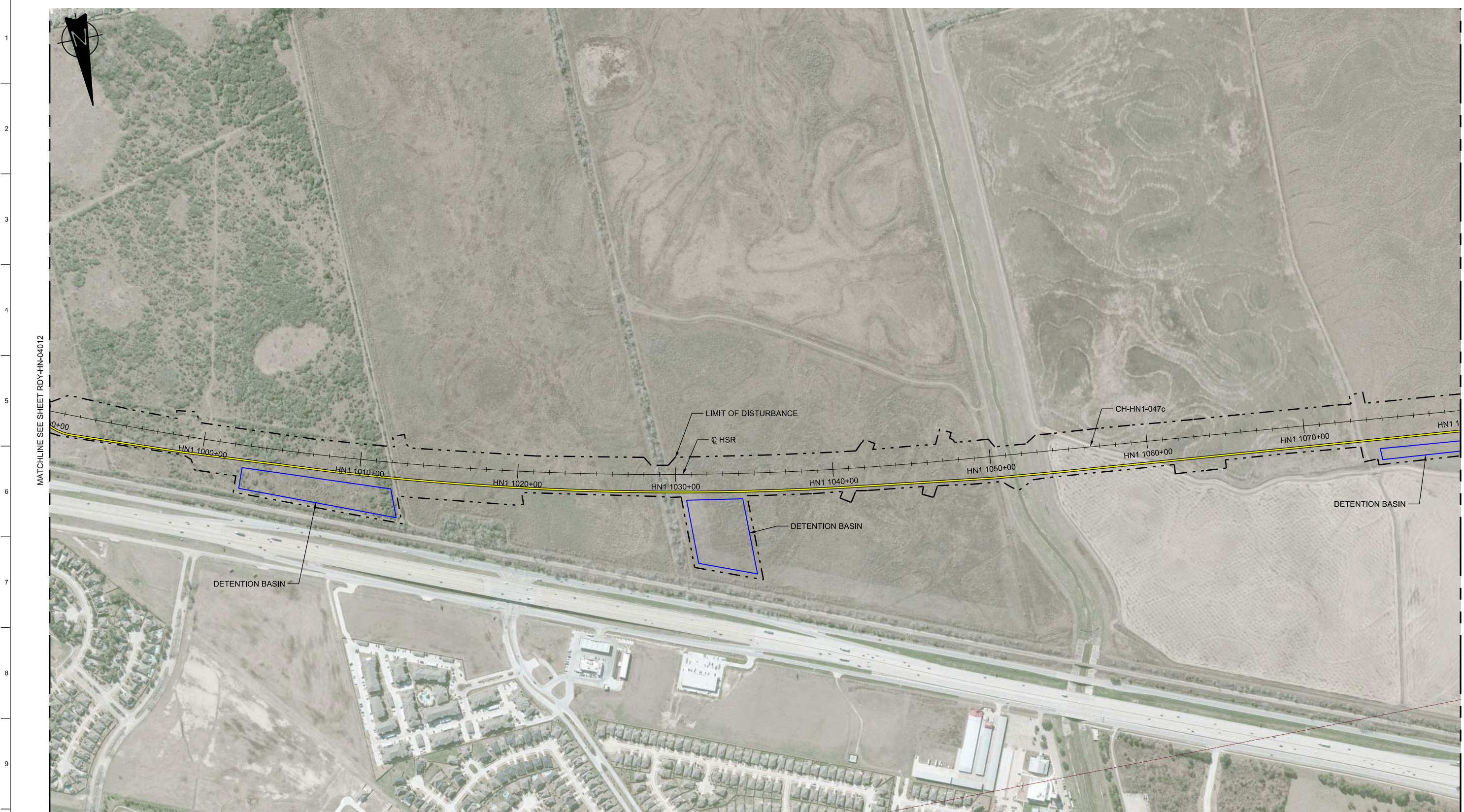
Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 900+00 TO HN1 990+00**

Scale
AS SHOWN

Drawing Status
FINAL DRAFT

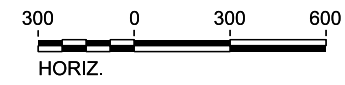
Job No 234180	Drawing No RDY-HN-04012	Rev 01
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MATCHLINE SEE SHEET RDY-HN-04012

MATCHLINE SEE SHEET RDY-HN-04014

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017



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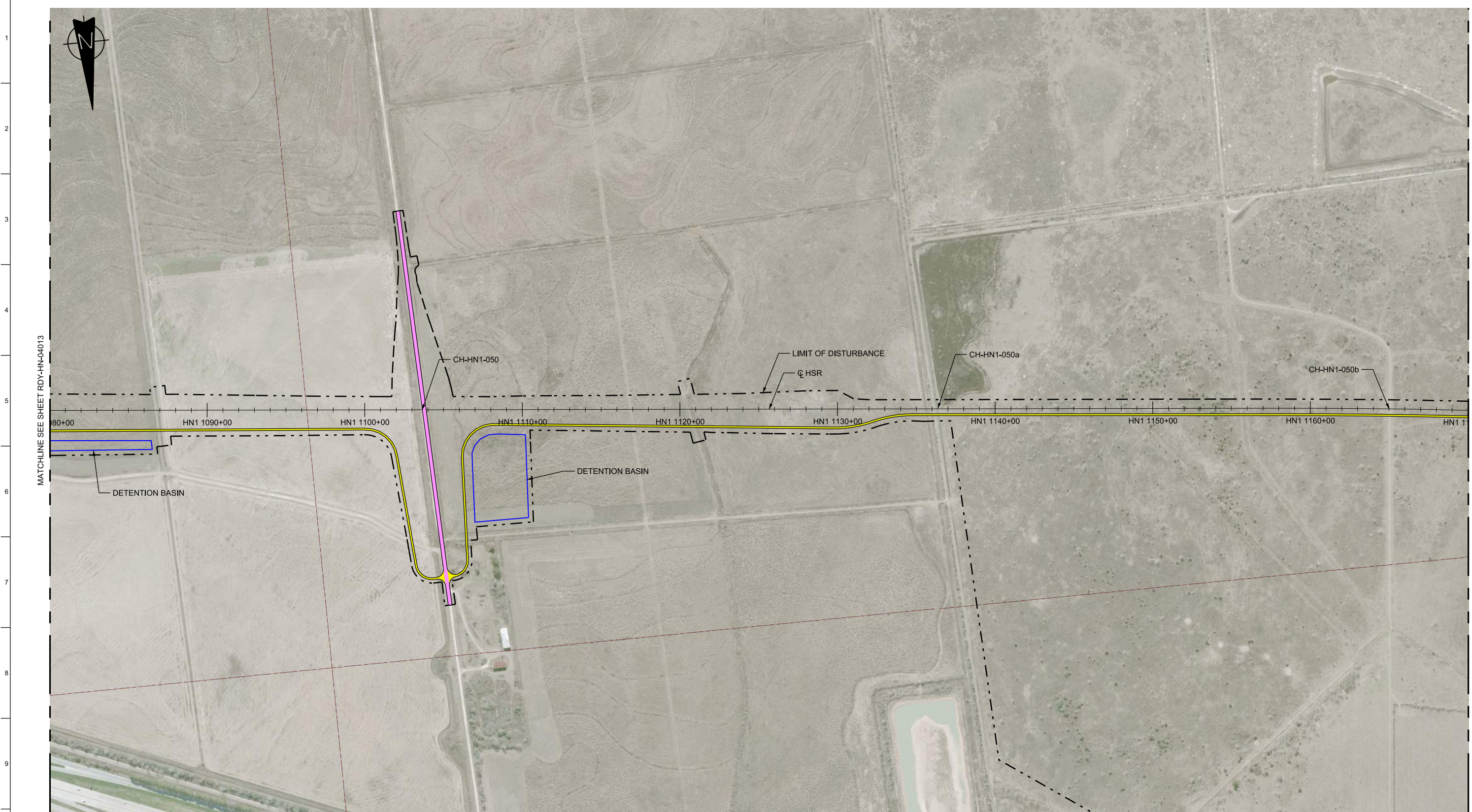
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Tel (214) 217 2200 Fax (214) 217 2201
www.freese.com
Texas Registered Engineering Firm: F-2144



Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 990+00 TO HN1 1080+00**

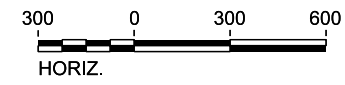
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Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04013	Rev 01



MATCHLINE SEE SHEET RDY-HN-04013

MATCHLINE SEE SHEET RDY-HN-04015

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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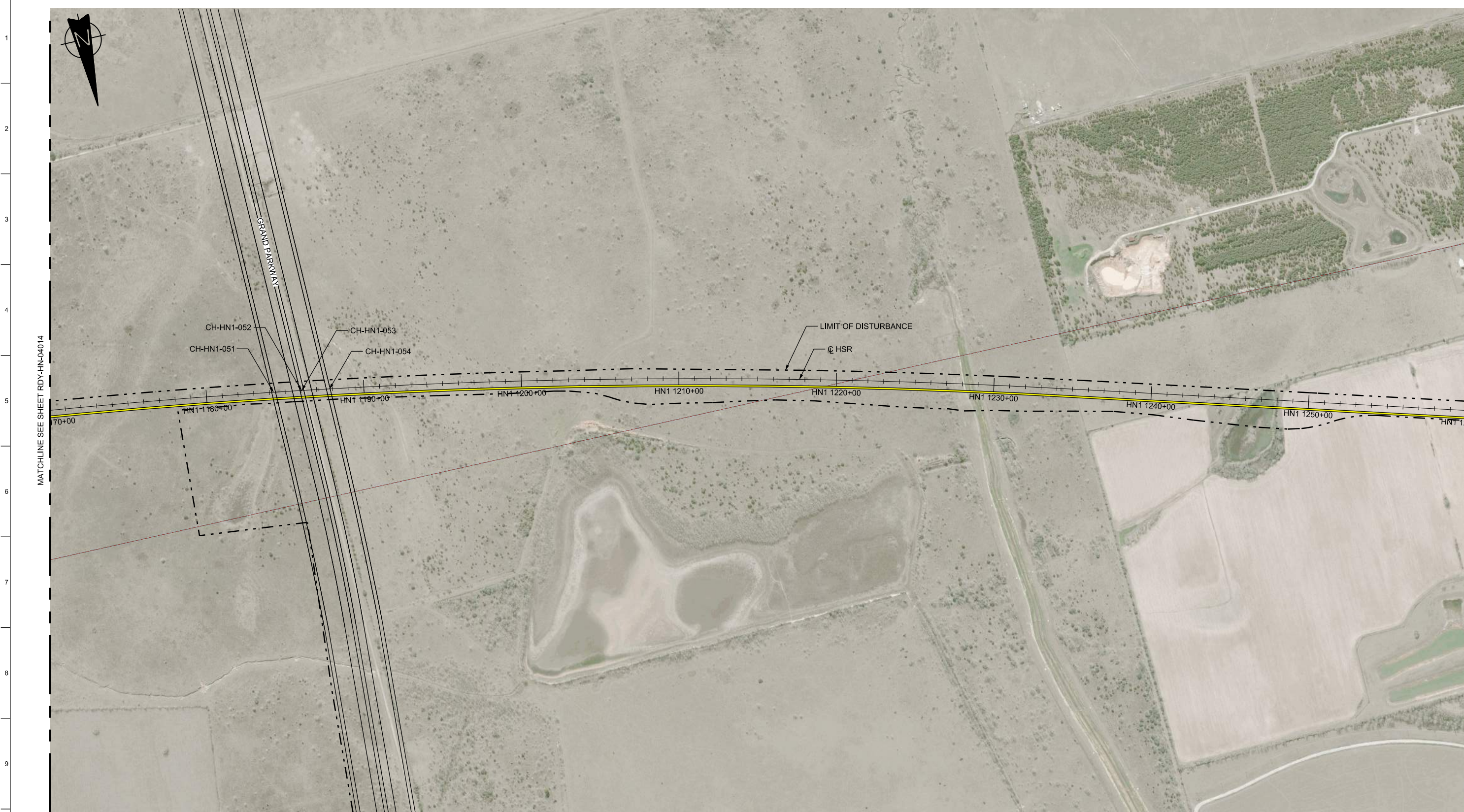
Client

1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 1080+00 TO HN1 1170+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04014	Rev 01

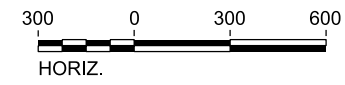


MATCHLINE SEE SHEET RDY-HN-04014

MATCHLINE SEE SHEET RDY-HN-04016



LEGEND	
 PROPOSED HSR MOW ACCESS	 ROAD REMOVAL
 PROPOSED PUBLIC ROAD	 UTILITY LIMIT OF DISTURBANCE
 PROPOSED PRIVATE ROAD	 ELECTRICAL TRANS. LINE
 REALIGNED PUBLIC ROAD	



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Client

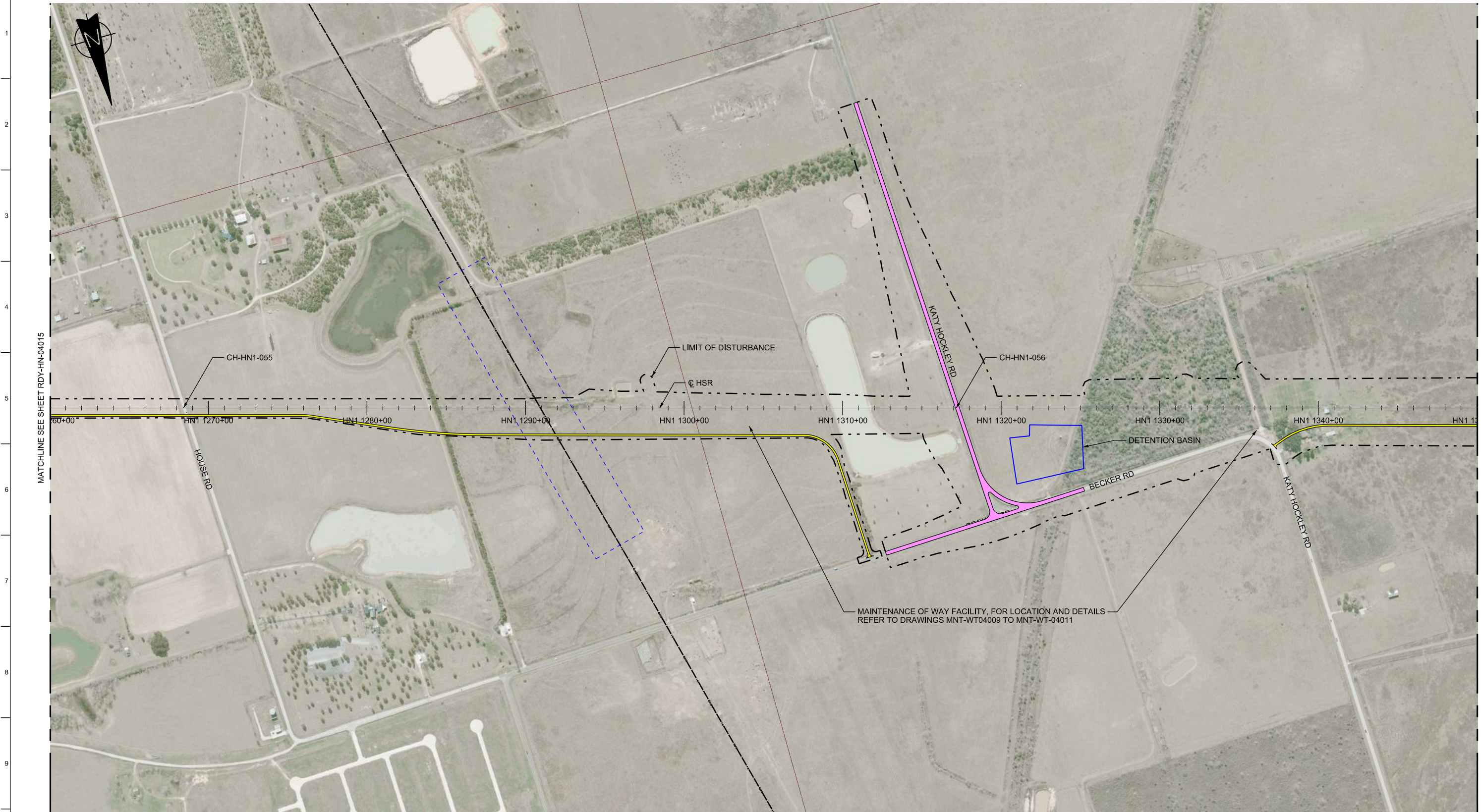
TEXAS CENTRAL

1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 1170+00 TO HN1 1260+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04015	Rev 01



MATCHLINE SEE SHEET RDY-HN-04015

MATCHLINE SEE SHEET RDY-HN-04017

CH-HN1-055

LIMIT OF DISTURBANCE

☉ HSR

CH-HN1-056

DETENTION BASIN

HOUSE RD

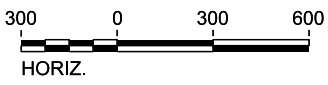
BECKER RD

KATY HOCKLEY RD

MAINTENANCE OF WAY FACILITY, FOR LOCATION AND DETAILS REFER TO DRAWINGS MNT-WT04009 TO MNT-WT-04011

LEGEND

	PROPOSED HSR MOW ACCESS		ROAD REMOVAL
	PROPOSED PUBLIC ROAD		UTILITY LIMIT OF DISTURBANCE
	PROPOSED PRIVATE ROAD		ELECTRICAL TRANS. LINE
	REALIGNED PUBLIC ROAD		



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017



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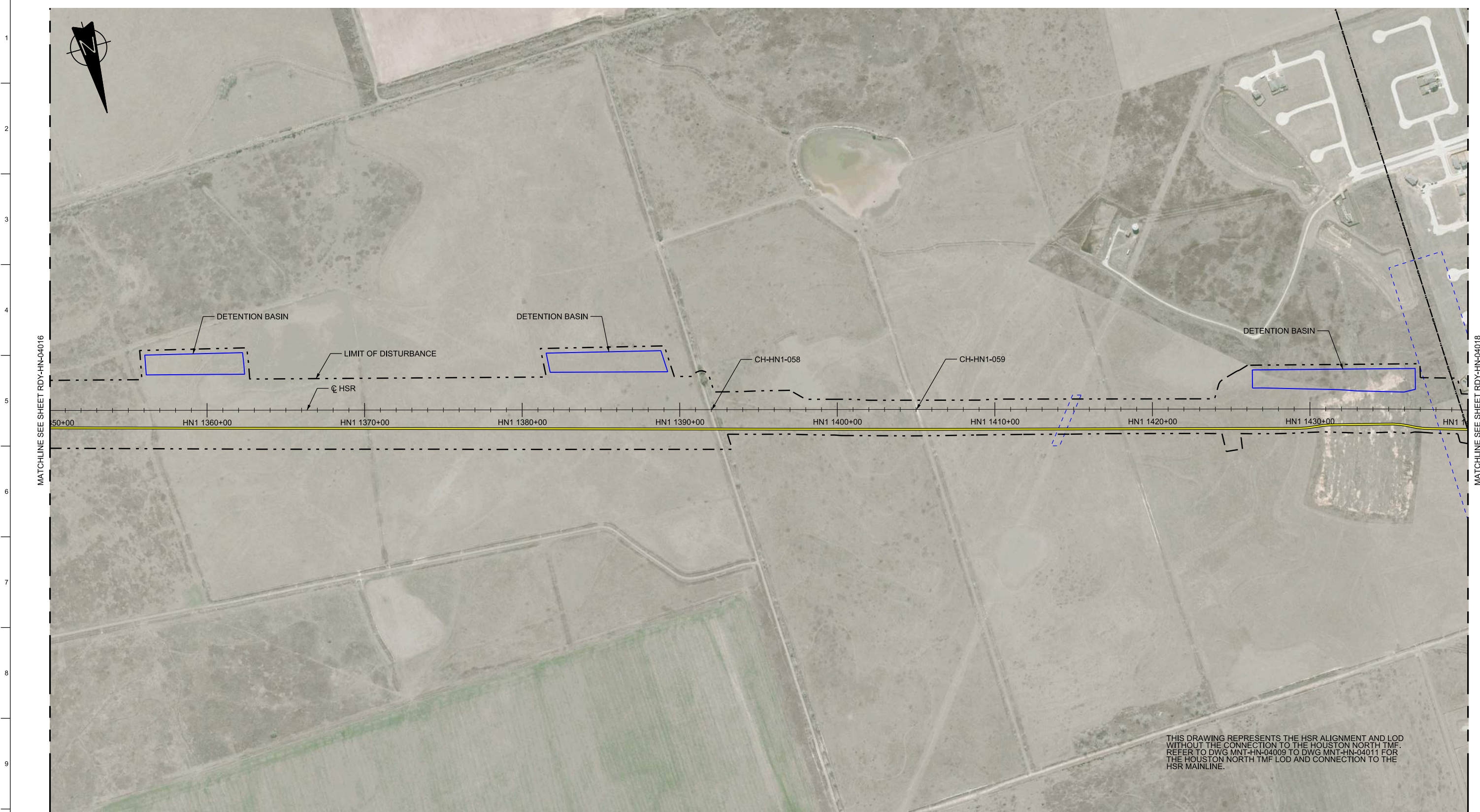
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Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 1260+00 TO HN1 1350+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04016	Rev 01

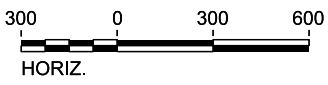


MATCHLINE SEE SHEET RDY-HN-04016

MATCHLINE SEE SHEET RDY-HN-04018

THIS DRAWING REPRESENTS THE HSR ALIGNMENT AND LOD WITHOUT THE CONNECTION TO THE HOUSTON NORTH TMF. REFER TO DWG MNT-HN-04009 TO DWG MNT-HN-04011 FOR THE HOUSTON NORTH TMF LOD AND CONNECTION TO THE HSR MAINLINE.

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Texas Registered Engineering Firm: F-2144

Client

TEXAS CENTRAL

1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

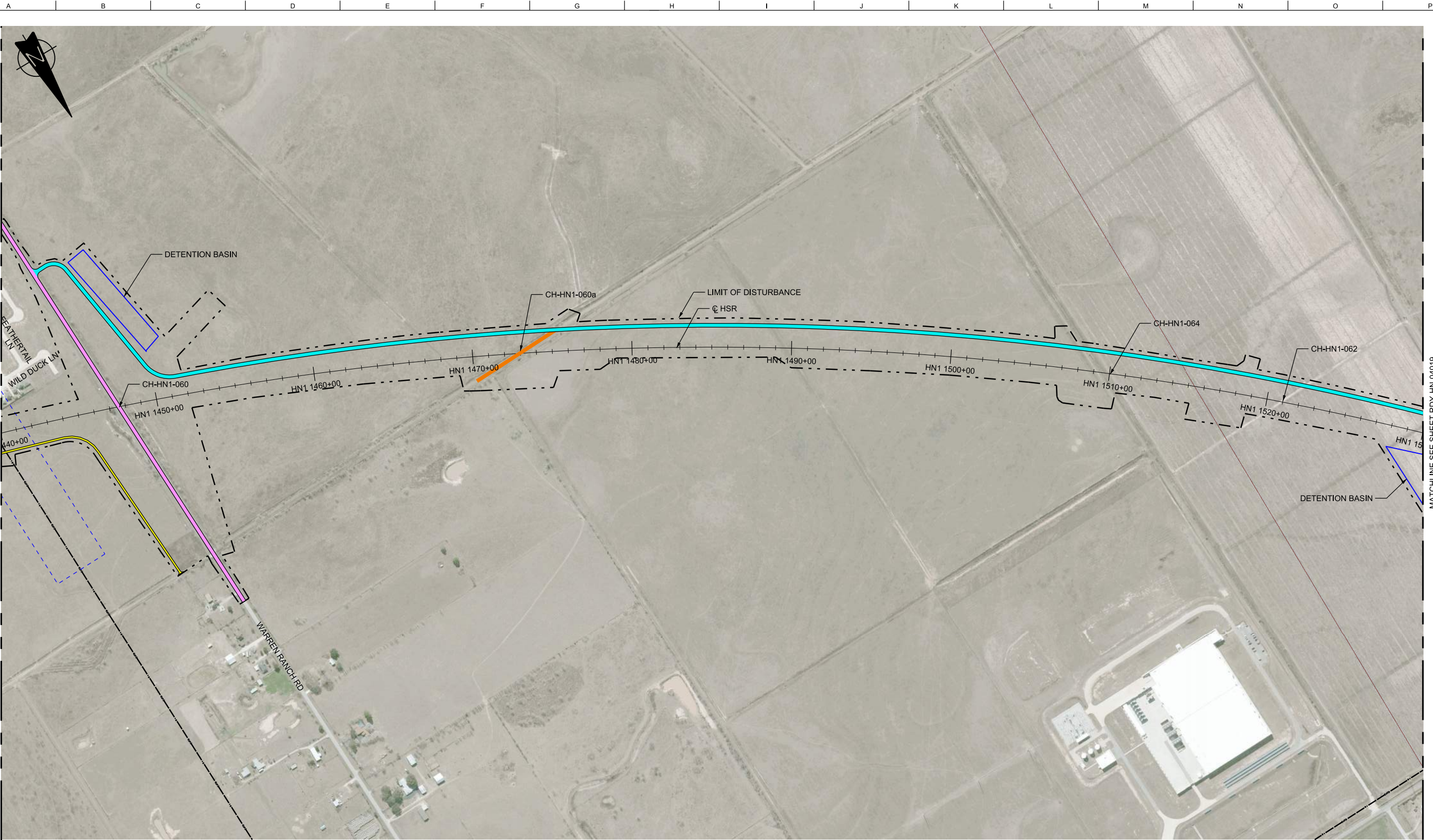
Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 1350+00 TO HN1 1440+00**

Scale
AS SHOWN

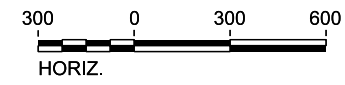
Drawing Status
FINAL DRAFT

Job No	Drawing No	Rev
234180	RDY-HN-04017	01



LEGEND

	PROPOSED HSR MOW ACCESS		ROAD REMOVAL
	PROPOSED PUBLIC ROAD		UTILITY LIMIT OF DISTURBANCE
	PROPOSED PRIVATE ROAD		ELECTRICAL TRANS. LINE
	REALIGNED PUBLIC ROAD		



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Client

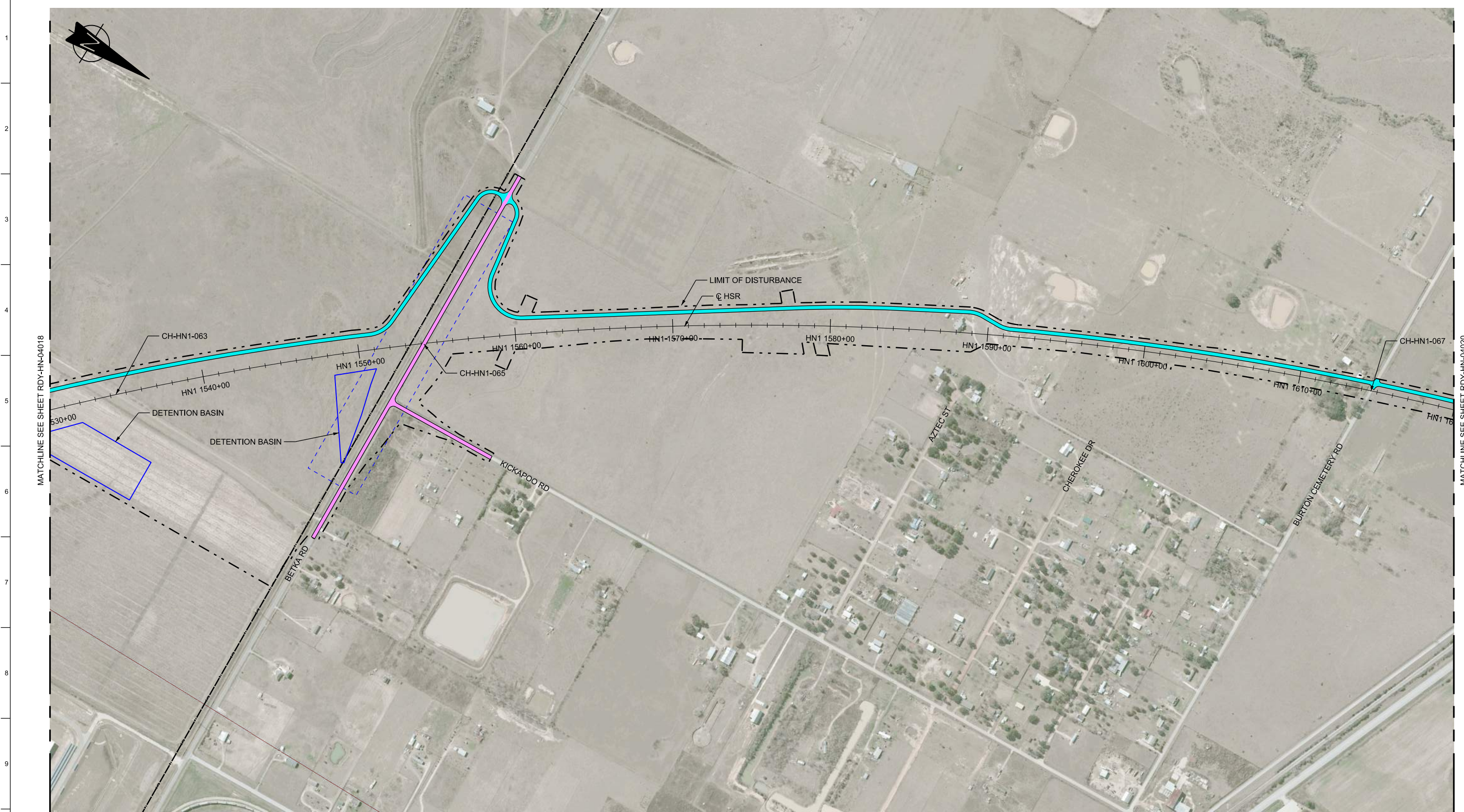
TEXAS CENTRAL
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
 CIVIL HIGHWAY
 PLAN VIEW - STA.
 HN1 1440+00 TO HN1 1530+00**

Scale
 AS SHOWN

Drawing Status
FINAL DRAFT

Job No 234180	Drawing No RDY-HN-04018	Rev 01
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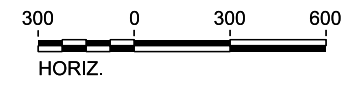


MATCHLINE SEE SHEET RDY-HN-04018

MATCHLINE SEE SHEET RDY-HN-04020

LEGEND

	PROPOSED HSR MOW ACCESS		ROAD REMOVAL
	PROPOSED PUBLIC ROAD		UTILITY LIMIT OF DISTURBANCE
	PROPOSED PRIVATE ROAD		ELECTRICAL TRANS. LINE
	REALIGNED PUBLIC ROAD		



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
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DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Client

TEXAS CENTRAL

1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 1530+00 TO HN1 1620+00**

Scale
AS SHOWN

Drawing Status
FINAL DRAFT

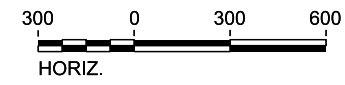
Job No 234180	Drawing No RDY-HN-04019	Rev 01
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MATCHLINE SEE SHEET RDY-HN-04019

MATCHLINE SEE SHEET RDY-HN-04021

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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Texas Registered Engineering Firm: F-2144

Client

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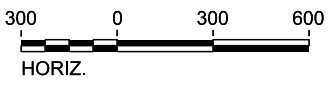
Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 1620+00 TO HN1 1710+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04020	Rev 01



LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017

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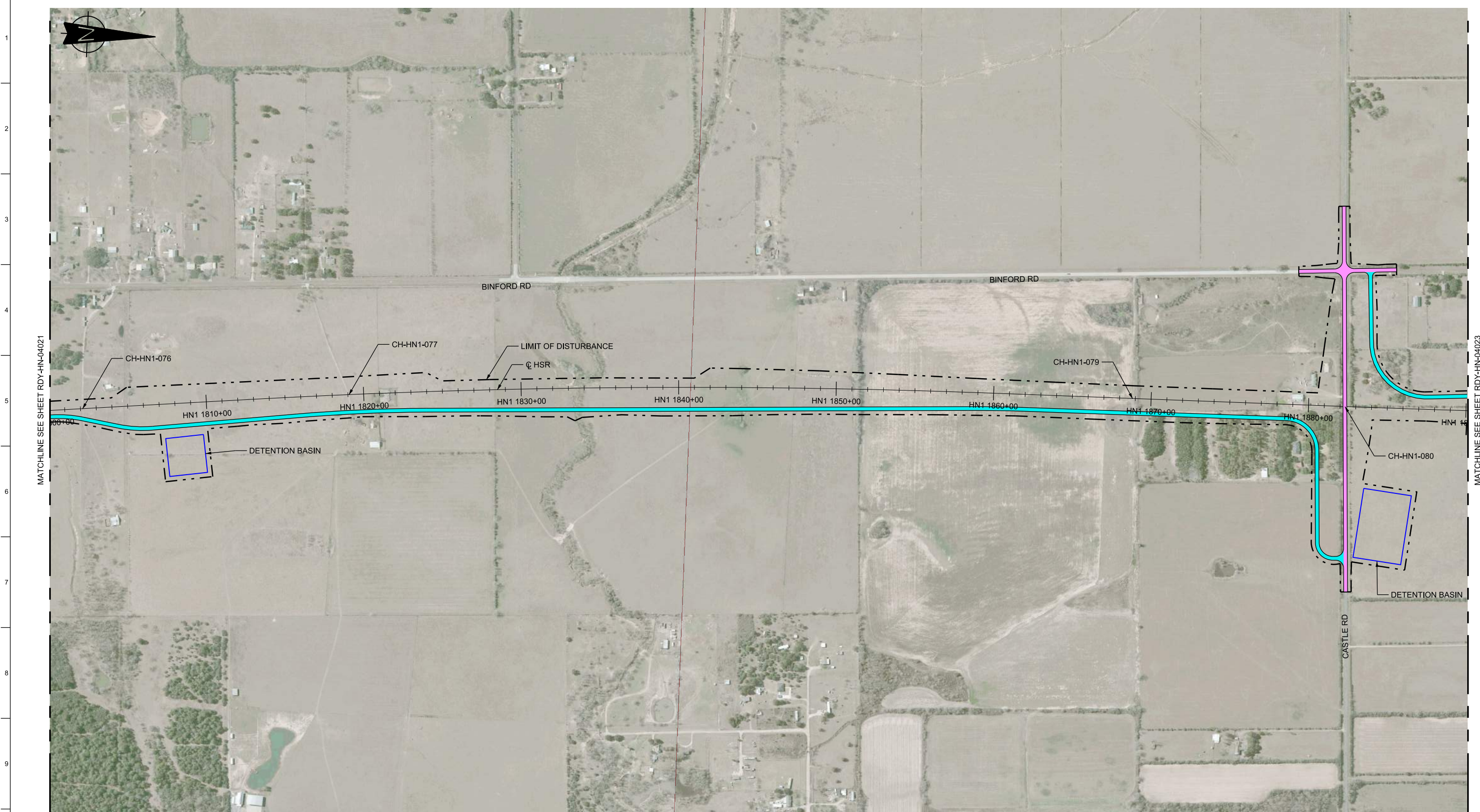
TEXAS CENTRAL

1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 1710+00 TO HN1 1800+00**

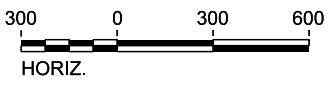
Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04021	Rev 01



MATCHLINE SEE SHEET RDY-HN-04021

MATCHLINE SEE SHEET RDY-HN-04023

LEGEND	
	PROPOSED HSR MOW ACCESS
	PROPOSED PUBLIC ROAD
	PROPOSED PRIVATE ROAD
	REALIGNED PUBLIC ROAD
	ROAD REMOVAL
	UTILITY LIMIT OF DISTURBANCE
	ELECTRICAL TRANS. LINE



PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
T. SMELCER

DRAWN BY
J. ALMAGUER

CHECKED BY
G. VOWELS

IN CHARGE
C. TAYLOR

DATE
09/15/2017



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Client
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Drawing Title
**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN VIEW - STA.
HN1 1800+00 TO HN1 1890+00**

Scale AS SHOWN		
Drawing Status FINAL DRAFT		
Job No 234180	Drawing No RDY-HN-04022	Rev 01