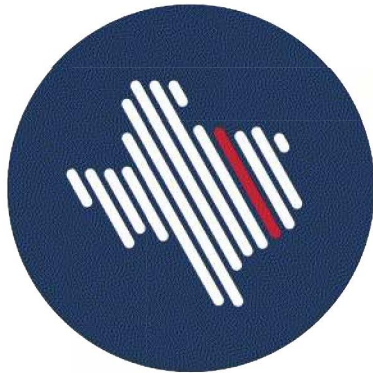


Dallas to Houston High-Speed Rail Final Environmental Impact Statement

Appendix G: Dallas to Houston High-Speed Rail Passenger Service from Houston to Dallas Final Conceptual Engineering Plans and Details Set 4 of 14



**TEXAS
CENTRAL**



**TEXAS
CENTRAL**



DALLAS TO HOUSTON HIGH-SPEED RAIL

PASSENGER SERVICE FROM HOUSTON TO DALLAS

FINAL CONCEPTUAL ENGINEERING PLANS AND DETAILS

PROJECT DEFINITION FOR FINAL ENVIRONMENTAL IMPACT STATEMENT
VOLUME 2 - RAILWAY ALIGNMENT PLAN AND PROFILE SHEETS

JULY 1, 2019



U.S. Department of Transportation
Federal Railroad Administration

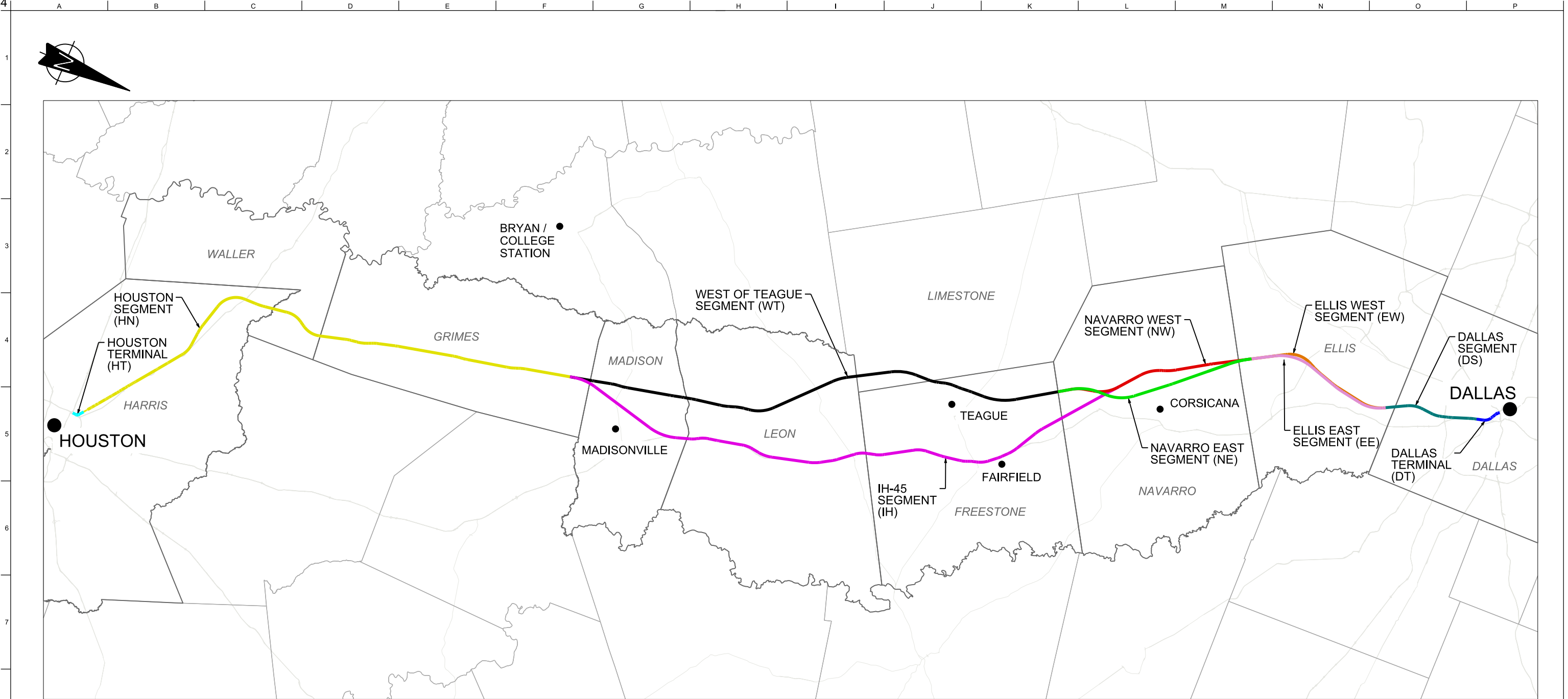
ARUP

Arup Texas, Inc.
10370 Richmond Ave., Suite 475
Houston, Texas 77042 USA
Tel (713) 783 2787 Fax (713) 343 1467
www.arup.com
Texas Registered Engineering Firm: F-1990

**FREESE
AND
NICHOLS**

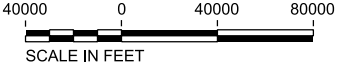
2711 North Haskell Ave., Suite 3300
Dallas, Texas 75204
Tel (214) 217 2200 Fax (214) 217 2201
www.freese.com
Texas Registered Engineering Firm: F-2144

COVER SHEET



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

- NOTES:
- REFER TO FCE REPORT FOR SEGMENT NAMES AND ALIGNMENT ALTERNATIVES.



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY D. THOMPSON
DRAWN BY D. THOMPSON
CHECKED BY R. BURNS
IN CHARGE C. TAYLOR
DATE 02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

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

Drawing Title

GENERAL LOCATION PLAN

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

							DESIGNED BY D. THOMPSON	ARUP Arup Texas, Inc. 10370 Richmond Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783 2787 Fax (713) 343 1467 www.arup.com Texas Registered Engineering Firm: F-2144 AND FREESE NICHOLS 2711 North Haskell Ave., Suite 3300 Dallas, Texas 75204 Tel (214) 217 2200 Fax (214) 217 2201 www.freese.com Texas Registered Engineering Firm: F-2144 DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING TEXAS CENTRAL 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215 Drawing Title GENERAL INDEX SHEET 1 OF 5 Scale NO SCALE Drawing Status FINAL Job No 234180 Drawing No GEN-00-00003 Rev 01
							DRAWN BY D. THOMPSON	
							CHECKED BY R. BURNS	
							IN CHARGE C. TAYLOR	
							DATE 02/25/2019	
REV	DATE	BY	CHK	APP		DESCRIPTION		

VOLUME 2A - RAILWAY ALIGNMENT PLAN AND PROFILE SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	2A-2 WEST OF TEAGUE SEGMENT
CVL-WT-01253	WEST OF TEAGUE SEGMENT - CIVIL - KEY MAP - SHEET 4 OF 4 - WT 3370+00 TO WT 4118+87
CVL-WT-01254	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 10+00 TO WT 66+00
CVL-WT-01255	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 66+00 TO WT 122+00
CVL-WT-01256	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 122+00 TO WT 178+00
CVL-WT-01257	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 178+00 TO WT 234+00
CVL-WT-01258	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 234+00 TO WT 290+00
CVL-WT-01259	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 290+00 TO WT 346+00
CVL-WT-01260	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 346+00 TO WT 402+00
CVL-WT-01261	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 402+00 TO WT 458+00
CVL-WT-01261-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01262	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 458+00 TO WT 514+00
CVL-WT-01263	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 514+00 TO WT 570+00
CVL-WT-01264	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 570+00 TO WT 626+00
CVL-WT-01265	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 626+00 TO WT 682+00
CVL-WT-01266	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 682+00 TO WT 738+00
CVL-WT-01267	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 738+00 TO WT 794+00
CVL-WT-01267-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01268	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 794+00 TO WT 850+00
CVL-WT-01269	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 850+00 TO WT 906+00
CVL-WT-01270	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 906+00 TO WT 962+00
CVL-WT-01270-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01271	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 962+00 TO WT 1018+00
CVL-WT-01271-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01272	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1018+00 TO WT 1074+00
CVL-WT-01273	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1074+00 TO WT 1130+00
CVL-WT-01274	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1130+00 TO WT 1186+00
CVL-WT-01275	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1186+00 TO WT 1242+00
CVL-WT-01276	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1242+00 TO WT 1298+00
CVL-WT-01277	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1298+00 TO WT 1354+00
CVL-WT-01278	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1354+00 TO WT 1410+00
CVL-WT-01279	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1410+00 TO WT 1466+00
CVL-WT-01280	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1466+00 TO WT 1522+00
CVL-WT-01281	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1522+00 TO WT 1578+00
CVL-WT-01282	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1578+00 TO WT 1634+00
CVL-WT-01283	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1634+00 TO WT 1690+00
CVL-WT-01284	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1690+00 TO WT 1746+00
CVL-WT-01284-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01285	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1746+00 TO WT 1802+00
CVL-WT-01286	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1802+00 TO WT 1858+00
CVL-WT-01287	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1858+00 TO WT 1914+00
CVL-WT-01288	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1914+00 TO WT 1970+00
CVL-WT-01289	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 1970+00 TO WT 2026+00
CVL-WT-01290	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2026+00 TO WT 2082+00
CVL-WT-01291	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2082+00 TO WT 2138+00
CVL-WT-01292	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2138+00 TO WT 2194+00
CVL-WT-01293	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2194+00 TO WT 2250+00
CVL-WT-01294	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2250+00 TO WT 2306+00
RDY-WT-01294A	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN - FM 1512
CVL-WT-01295	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2306+00 TO WT 2362+00
CVL-WT-01295-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01296	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2362+00 TO WT 2418+00
CVL-WT-01297	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2418+00 TO WT 2474+00
CVL-WT-01297-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01298	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2474+00 TO WT 2530+00
CVL-WT-01299	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2530+00 TO WT 2586+00
CVL-WT-01300	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2586+00 TO WT 2642+00
CVL-WT-01301	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2642+00 TO WT 2698+00
CVL-WT-01302	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2698+00 TO WT 2754+00
CVL-WT-01302-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01303	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2754+00 TO WT 2810+00
CVL-WT-01304	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2810+00 TO WT 2866+00
CVL-WT-01305	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2866+00 TO WT 2922+00
CVL-WT-01306	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2922+00 TO WT 2978+00
CVL-WT-01307	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 2978+00 TO WT 3034+00
CVL-WT-01308	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3034+00 TO WT 3090+00
CVL-WT-01309	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3090+00 TO WT 3146+00
CVL-WT-01310	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3146+00 TO WT 3202+00
CVL-WT-01311	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3202+00 TO WT 3258+00
CVL-WT-01312	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3258+00 TO WT 3314+00
CVL-WT-01313	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3314+00 TO WT 3370+00
CVL-WT-01314	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3370+00 TO WT 3426+00

VOLUME 2A - RAILWAY ALIGNMENT PLAN AND PROFILE SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	2A-2 WEST OF TEAGUE SEGMENT
CVL-WT-01314-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01315	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3426+00 TO WT 3482+00
CVL-WT-01315-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01316	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3482+00 TO WT 3538+00
CVL-WT-01317	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3538+00 TO WT 3594+00
CVL-WT-01318	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3594+00 TO WT 3650+00
CVL-WT-01319	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3650+00 TO WT 3706+00
CVL-WT-01320	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3706+00 TO WT 3762+00
CVL-WT-01321	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3762+00 TO WT 3818+00
CVL-WT-01322	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3818+00 TO WT 3874+00
RDY-WT-01322A	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN - FM 1566
CVL-WT-01323	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3874+00 TO WT 3930+00
CVL-WT-01324	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3930+00 TO WT 3986+00
CVL-WT-01325	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 3986+00 TO WT 4042+00
RDY-WT-01325A	WEST OF TEAGUE SEGMENT - CIVIL HIGHWAY - PLAN - CR 995
CVL-WT-01326	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 4042+00 TO WT 4098+00
CVL-WT-01326-A	WEST OF TEAGUE SEGMENT - CIVIL - PLAN
CVL-WT-01327	WEST OF TEAGUE SEGMENT - CIVIL - PLAN AND PROFILE - WT 4098+00 TO WT 4118+87
	2A-3 NAVARRO WEST SEGMENT
CVL-NW-01500	NAVARRO WEST SEGMENT - CIVIL - KEY MAP - SHEET 1 OF 2 - NW 10+00 TO NW 1130+00
CVL-NW-01501	NAVARRO WEST SEGMENT - CIVIL - KEY MAP - SHEET 2 OF 2 - NW 1130+00 TO NW 1638+12
CVL-NW-01502	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 10+00 TO NW 66+00
CVL-NW-01503	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 66+00 TO NW 122+00
CVL-NW-01503-A	NAVARRO WEST SEGMENT - CIVIL - PLAN
CVL-NW-01504	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 122+00 TO NW 178+00
CVL-NW-01505	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 178+00 TO NW 234+00
CVL-NW-01506	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 234+00 TO NW 290+00
CVL-NW-01507	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 290+00 TO NW 346+00
CVL-NW-01507-A	NAVARRO WEST SEGMENT - CIVIL - PLAN
CVL-NW-01508	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 346+00 TO NW 402+00
CVL-NW-01509	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 402+00 TO NW 458+00
RDY-NW-01509A	NAVARRO WEST SEGMENT - CIVIL HIGHWAY - PLAN - CR 0040
CVL-NW-01510	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 458+00 TO NW 514+00
CVL-NW-01511	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 514+00 TO NW 570+00
CVL-NW-01511-A	NAVARRO WEST SEGMENT - CIVIL - PLAN
CVL-NW-01512	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 570+00 TO NW 626+00
RDY-NW-01512A	NAVARRO WEST SEGMENT - CIVIL HIGHWAY - PLAN - FM 709
CVL-NW-01513	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 626+00 TO NW 682+00
CVL-NW-01514	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 682+00 TO NW 738+00
CVL-NW-01515	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 738+00 TO NW 794+00
CVL-NW-01516	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 794+00 TO NW 850+00
CVL-NW-01517	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 850+00 TO NW 906+00
CVL-NW-01517-A	NAVARRO WEST SEGMENT - CIVIL - PLAN
CVL-NW-01518	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 906+00 TO NW 962+00
CVL-NW-01519	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 962+00 TO NW 1018+00
CVL-NW-01520	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1018+00 TO NW 1074+00
CVL-NW-01521	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1074+00 TO NW 1130+00
CVL-NW-01522	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1130+00 TO NW 1186+00
CVL-NW-01523	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1186+00 TO NW 1242+00
CVL-NW-01523-A	NAVARRO WEST SEGMENT - CIVIL - PLAN
CVL-NW-01524	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1242+00 TO NW 1298+00
CVL-NW-01525	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1298+00 TO NW 1354+00
CVL-NW-01526	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1354+00 TO NW 1410+00
CVL-NW-01527	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1410+00 TO NW 1466+00
RDY-NW-01527A	NAVARRO WEST SEGMENT - CIVIL HIGHWAY - PLAN - CR 1300
CVL-NW-01528	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1466+00 TO NW 1522+00
CVL-NW-01529	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1522+00 TO NW 1578+00
CVL-NW-01530	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1578+00 TO NW 1634+00
CVL-NW-01531	NAVARRO WEST SEGMENT - CIVIL - PLAN AND PROFILE - NW 1634+00 TO NW 1638+12
	2A-4 ELLIS WEST SEGMENT
CVL-EW-01700	ELLIS WEST SEGMENT - CIVIL - KEY MAP - SHEET 1 OF 2 - EW 10+00 TO EW 1130+00
CVL-EW-01701	ELLIS WEST SEGMENT - CIVIL - KEY MAP - SHEET 2 OF 2 - EW 1130+00 TO EW 1246+26
CVL-EW-01702	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 10+00 TO EW 66+00
RDY-EW-01702A	ELLIS WEST SEGMENT - CIVIL HIGHWAY - PLAN - FM 984
CVL-EW-01703	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 66+00 TO EW 122+00
CVL-EW-01704	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 122+00 TO EW 178+00
CVL-EW-01705	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 178+00 TO EW 234+00
CVL-EW-01706	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 234+00 TO EW 290+00
RDY-EW-01706A	ELLIS WEST SEGMENT - CIVIL HIGHWAY - PLAN - BACAK ROAD
CVL-EW-01707	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 290+00 TO EW 346+00
CVL-EW-01708	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 346+00 TO EW 402+00

VOLUME 2A - RAILWAY ALIGNMENT PLAN AND PROFILE SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	2A-4 ELLIS WEST SEGMENT
CVL-EW-01708-A	ELLIS WEST SEGMENT - CIVIL - PLAN
CVL-EW-01709	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 402+00 TO EW 458+00
CVL-EW-01710	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 458+00 TO EW 514+00
CVL-EW-01710-A	ELLIS WEST SEGMENT - CIVIL - PLAN
CVL-EW-01711	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 514+00 TO EW 570+00
CVL-EW-01712	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 570+00 TO EW 626+00
CVL-EW-01713	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 626+00 TO EW 682+00
RDY-EW-01713A	ELLIS WEST SEGMENT - CIVIL HIGHWAY - PLAN - EW 655+00 TO EW 683+00
CVL-EW-01714	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 682+00 TO EW 738+00
CVL-EW-01715	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 738+00 TO EW 794+00
CVL-EW-01716	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 794+00 TO EW 850+00
CVL-EW-01717	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 850+00 TO EW 906+00
CVL-EW-01718	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 906+00 TO EW 962+00
CVL-EW-01719	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 962+00 TO EW 1018+00
CVL-EW-01719-A	ELLIS WEST SEGMENT - CIVIL - PLAN
CVL-EW-01720	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 1018+00 TO EW 1074+00
CVL-EW-01721	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 1074+00 TO EW 1130+00
CVL-EW-01721-A	ELLIS WEST SEGMENT - CIVIL - PLAN
CVL-EW-01722	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 1130+00 TO EW 1186+00
CVL-EW-01722-A	ELLIS WEST SEGMENT - CIVIL - PLAN
CVL-EW-01723	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 1186+00 TO EW 1242+00
CVL-EW-01724	ELLIS WEST SEGMENT - CIVIL - PLAN AND PROFILE - EW 1242+00 TO EW 1246+26
	2A-5 DALLAS SEGMENT
CVL-DS-01900	DALLAS SEGMENT - CIVIL - KEY MAP - DS 10+00 TO DT 216+59
CVL-DS-01901	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 10+00 TO DS 66+00
CVL-DS-01902	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 66+00 TO DS 122+00
CVL-DS-01902-A	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01903	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 122+00 TO DS 178+00
RDY-DS-01903A	DALLAS SEGMENT - CIVIL HIGHWAY - PLAN - HASH ROAD
CVL-DS-01904	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 178+00 TO DS 234+00
CVL-DS-01905	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 234+00 TO DS 290+00
RDY-DS-01905A	DALLAS SEGMENT - CIVIL HIGHWAY - PLAN - DS 234+00 TO DS 290+00
CVL-DS-01906	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 290+00 TO DS 346+00
CVL-DS-01907	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 346+00 TO DS 402+00
CVL-DS-01907-A	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01908	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 402+00 TO DS 458+00
CVL-DS-01909	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 458+00 TO DS 514+00
CVL-DS-01910	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 514+00 TO DS 542+00
CVL-DS-01911	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 542+00 TO DS 570+00
CVL-DS-01912	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 570+00 TO DS 598+00
CVL-DS-01912-A	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01912-B	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01912-C	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01912-D	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01913	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 598+00 TO DS 626+00
CVL-DS-01914	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 626+00 TO DS 654+00
CVL-DS-01914-A	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01914-B	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01915	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 654+00 TO DS 682+00
CVL-DS-01916	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 682+00 TO DS 710+00
CVL-DS-01917	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 710+00 TO DS 738+00
CVL-DS-01918	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 738+00 TO DS 766+00
CVL-DS-01919	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DS 766+00 TO DT 33+00
CVL-DS-01919-A	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01919-B	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01920	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DT 33+00 TO DT 61+00
CVL-DS-01921	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DT 61+00 TO DT 89+00
CVL-DS-01922	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DT 89+00 TO DT 117+00
CVL-DS-01922-A	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01923	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DT 117+00 TO DT 145+00
CVL-DS-01924	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DT 145+00 TO DT 173+00
CVL-DS-01924-A	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01924-B	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01925	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DT 173+00 TO DT 201+00
CVL-DS-01925-A	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01925-B	DALLAS SEGMENT - CIVIL - PLAN
CVL-DS-01926	DALLAS SEGMENT - CIVIL - PLAN AND PROFILE DT 201+00 TO DT 216+59
CVL-DS-01926-A	DALLAS SEGMENT - CIVIL - PLAN

<table><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>REV</td><td>DATE</td><td>BY</td><td>CHK</td><td>APP</td><td>DESCRIPTION</td></tr></table>																															REV	DATE	BY	CHK	APP	DESCRIPTION	<table><tr><td>DESIGNED BY D. THOMPSON</td></tr><tr><td>DRAWN BY D. THOMPSON</td></tr><tr><td>CHECKED BY R. BURNS</td></tr><tr><td>IN CHARGE C. TAYLOR</td></tr><tr><td>DATE 02/25/2019</td></tr></table>	DESIGNED BY D. THOMPSON	DRAWN BY D. THOMPSON	CHECKED BY R. BURNS	IN CHARGE C. TAYLOR	DATE 02/25/2019	 Arup Texas, Inc. 10370 Richmond Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783 2787 Fax (713) 343 1467 www.arup.com Texas Registered Engineering Firm: F-1990  2711 North Haskell Ave., Suite 3300 Dallas, Texas 75204 Tel (214) 217 2200 Fax (214) 217 2201 www.freese.com Texas Registered Engineering Firm: F-2144	 DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING  1409 South Lamar Street, Suite 1022, Dallas, Texas 75215	<table><tr><td colspan="3">Drawing Title</td></tr><tr><td colspan="3">GENERAL INDEX SHEET 2 OF 5</td></tr><tr><td colspan="3">Scale NO SCALE</td></tr><tr><td colspan="3">Drawing Status FINAL</td></tr><tr><td>Job No 234180</td><td>Drawing No GEN-00-00004</td><td>Rev 01</td></tr></table>	Drawing Title			GENERAL INDEX SHEET 2 OF 5			Scale NO SCALE			Drawing Status FINAL			Job No 234180	Drawing No GEN-00-00004	Rev 01
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VOLUME 2B - RAILWAY ALIGNMENT PLAN AND PROFILE SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	2B-1 IH-45 SEGMENT
CVL-IH-01350	IH-45 SEGMENT - CIVIL - KEY MAP - SHEET 1 OF 5 - IH1 10+00 TO IH1 1130+00
CVL-IH-01351	IH-45 SEGMENT - CIVIL - KEY MAP - SHEET 2 OF 5 - IH1 1130+00 TO IH1 2250+00
CVL-IH-01352	IH-45 SEGMENT - CIVIL - KEY MAP - SHEET 3 OF 5 - IH1 2250+00 TO IH1 3370+00
CVL-IH-01353	IH-45 SEGMENT - CIVIL - KEY MAP - SHEET 4 OF 5 - IH1 3370+00 TO IH2 234+00
CVL-IH-01354	IH-45 SEGMENT - CIVIL - KEY MAP - SHEET 5 OF 5 - IH2 234+00 TO IH2 540+81
CVL-IH-01355	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 10+00 TO IH1 66+00
CVL-IH-01356	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 66+00 TO IH1 122+00
CVL-IH-01357	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 122+00 TO IH1 178+00
CVL-IH-01358	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 178+00 TO IH1 234+00
CVL-IH-01359	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 234+00 TO IH1 290+00
CVL-IH-01360	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 290+00 TO IH1 346+00
CVL-IH-01361	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 346+00 TO IH1 402+00
CVL-IH-01362	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 402+00 TO IH1 458+00
CVL-IH-01363	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 458+00 TO IH1 514+00
CVL-IH-01364	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 514+00 TO IH1 570+00
CVL-IH-01365	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 570+00 TO IH1 626+00
CVL-IH-01366	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 626+00 TO IH1 682+00
CVL-IH-01367	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 682+00 TO IH1 738+00
CVL-IH-01368	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 738+00 TO IH1 794+00
CVL-IH-01369	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 794+00 TO IH1 850+00
CVL-IH-01370	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 850+00 TO IH1 906+00
CVL-IH-01371	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 906+00 TO IH1 962+00
CVL-IH-01372	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 962+00 TO IH1 1018+00
CVL-IH-01373	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1018+00 TO IH1 1074+00
CVL-IH-01374	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1074+00 TO IH1 1130+00
CVL-IH-01375	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1130+00 TO IH1 1186+00
CVL-IH-01376	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1186+00 TO IH1 1242+00
CVL-IH-01377	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1242+00 TO IH1 1298+00
CVL-IH-01378	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1298+00 TO IH1 1354+00
CVL-IH-01379	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1354+00 TO IH1 1410+00
CVL-IH-01380	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1410+00 TO IH1 1466+00
CVL-IH-01381	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1466+00 TO IH1 1522+00
CVL-IH-01382	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1522+00 TO IH1 1578+00
CVL-IH-01383	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1578+00 TO IH1 1634+00
CVL-IH-01384	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1634+00 TO IH1 1690+00
CVL-IH-01385	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1690+00 TO IH1 1746+00
CVL-IH-01386	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1746+00 TO IH1 1802+00
CVL-IH-01387	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1802+00 TO IH1 1858+00
CVL-IH-01388	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1858+00 TO IH1 1914+00
CVL-IH-01389	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1914+00 TO IH1 1970+00
CVL-IH-01390	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 1970+00 TO IH1 2026+00
CVL-IH-01391	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2026+00 TO IH1 2082+00
CVL-IH-01392	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2082+00 TO IH1 2138+00
CVL-IH-01393	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2138+00 TO IH1 2194+00
CVL-IH-01394	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2194+00 TO IH1 2250+00
CVL-IH-01395	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2250+00 TO IH1 2306+00
CVL-IH-01396	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2306+00 TO IH1 2362+00
CVL-IH-01397	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2362+00 TO IH1 2418+00
CVL-IH-01398	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2418+00 TO IH1 2474+00
CVL-IH-01399	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2474+00 TO IH1 2530+00
CVL-IH-01400	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2530+00 TO IH1 2586+00
CVL-IH-01401	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2586+00 TO IH1 2642+00
CVL-IH-01402	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2642+00 TO IH1 2698+00
CVL-IH-01403	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2698+00 TO IH1 2754+00
CVL-IH-01404	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2754+00 TO IH1 2810+00
CVL-IH-01405	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2810+00 TO IH1 2866+00
CVL-IH-01406	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2866+00 TO IH1 2922+00
CVL-IH-01407	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2922+00 TO IH1 2978+00
CVL-IH-01408	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 2978+00 TO IH1 3034+00
CVL-IH-01409	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3034+00 TO IH1 3090+00
CVL-IH-01410	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3090+00 TO IH1 3146+00
CVL-IH-01411	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3146+00 TO IH1 3202+00
CVL-IH-01412	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3202+00 TO IH1 3258+00
CVL-IH-01413	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3258+00 TO IH1 3314+00
CVL-IH-01414	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3314+00 TO IH1 3370+00
CVL-IH-01415	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3370+00 TO IH1 3426+00
CVL-IH-01416	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3426+00 TO IH1 3482+00
CVL-IH-01417	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3482+00 TO IH1 3538+00
CVL-IH-01418	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3538+00 TO IH1 3594+00
CVL-IH-01419	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3594+00 TO IH1 3650+00
CVL-IH-01420	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3650+00 TO IH1 3706+00

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DRAWING NO.	DRAWING DESCRIPTIONS
	2B-1 IH-45 SEGMENT
CVL-IH-01421	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3706+00 TO IH1 3762+00
CVL-IH-01422	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3762+00 TO IH1 3818+00
CVL-IH-01423	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3818+00 TO IH1 3874+00
CVL-IH-01424	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3874+00 TO IH1 3930+00
CVL-IH-01425	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3930+00 TO IH1 3986+00
CVL-IH-01426	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 3986+00 TO IH1 4042+00
CVL-IH-01427	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 4042+00 TO IH1 4098+00
CVL-IH-01428	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 4098+00 TO IH1 4154+00
CVL-IH-01429	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 4154+00 TO IH1 4210+00
CVL-IH-01430	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 4210+00 TO IH1 4266+00
CVL-IH-01431	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 4266+00 TO IH1 4322+00
CVL-IH-01432	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH1 4322+00 TO IH1 4329+69
CVL-IH-01433	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 10+00 TO IH2 66+00
CVL-IH-01434	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 66+00 TO IH2 122+00
CVL-IH-01435	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 122+00 TO IH2 178+00
CVL-IH-01436	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 178+00 TO IH2 234+00
CVL-IH-01437	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 234+00 TO IH2 290+00
CVL-IH-01438	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 290+00 TO IH2 346+00
CVL-IH-01439	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 346+00 TO IH2 402+00
CVL-IH-01440	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 402+00 TO IH2 458+00
CVL-IH-01441	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 458+00 TO IH2 514+00
CVL-IH-01442	IH-45 SEGMENT - CIVIL - PLAN AND PROFILE - IH2 514+00 TO IH2 540+81
	2B-2 NAVARRO EAST SEGMENT
CVL-NE-01600	NAVARRO EAST SEGMENT - CIVIL - KEY MAP - SHEET 1 OF 2 - NE 10+00 TO NE 1074+00
CVL-NE-01601	NAVARRO EAST SEGMENT - CIVIL - KEY MAP - SHEET 2 OF 2 - NE 1074+00 TO NE 1652+05
CVL-NE-01602	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 10+00 TO NE 66+00
CVL-NE-01603	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 66+00 TO NE 122+00
CVL-NE-01604	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 122+00 TO NE 178+00
CVL-NE-01605	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 178+00 TO NE 234+00
CVL-NE-01606	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 234+00 TO NE 290+00
CVL-NE-01607	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 290+00 TO NE 346+00
CVL-NE-01608	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 346+00 TO NE 402+00
CVL-NE-01609	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 402+00 TO NE 458+00
CVL-NE-01610	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 458+00 TO NE 514+00
CVL-NE-01611	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 514+00 TO NE 570+00
CVL-NE-01612	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 570+00 TO NE 626+00
CVL-NE-01613	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 626+00 TO NE 682+00
CVL-NE-01614	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 682+00 TO NE 738+00
CVL-NE-01615	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 738+00 TO NE 794+00
CVL-NE-01616	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 794+00 TO NE 850+00
CVL-NE-01617	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 850+00 TO NE 906+00
CVL-NE-01618	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 906+00 TO NE 962+00
CVL-NE-01619	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 962+00 TO NE 1018+00
CVL-NE-01620	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1018+00 TO NE 1074+00
CVL-NE-01621	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1074+00 TO NE 1130+00
CVL-NE-01622	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1130+00 TO NE 1186+00
CVL-NE-01623	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1186+00 TO NE 1242+00
CVL-NE-01624	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1242+00 TO NE 1298+00
CVL-NE-01625	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1298+00 TO NE 1354+00
CVL-NE-01626	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1354+00 TO NE 1410+00
CVL-NE-01627	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1410+00 TO NE 1466+00
CVL-NE-01628	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1466+00 TO NE 1522+00
CVL-NE-01629	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1522+00 TO NE 1578+00
CVL-NE-01630	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1578+00 TO NE 1634+00
CVL-NE-01631	NAVARRO EAST SEGMENT - CIVIL - PLAN AND PROFILE - NE 1634+00 TO NE 1652+05
	2B-3 ELLIS EAST SEGMENT
CVL-EE-01800-1	ELLIS EAST SEGMENT - CIVIL - KEY MAP - SHEET 1 OF 2 - EE 9+56 TO EE 1098+00
CVL-EE-01800-2	ELLIS EAST SEGMENT - CIVIL - KEY MAP - SHEET 2 OF 2 - EE 1098+00 TO EE 1232+15
CVL-EE-01801	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 9+56 TO EE 34+00
CVL-EE-01802	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 34+00 TO 90+00
CVL-EE-01803	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 90+00 TO 146+00
CVL-EE-01804	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 146+00 TO EE 202+00
CVL-EE-01805	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 202+00 TO EE 258+00
CVL-EE-01806	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 258+00 TO EE 314+00
CVL-EE-01807	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 314+00 TO EE 370+00
CVL-EE-01808	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 370+00 TO EE 426+00
CVL-EE-01809	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 426+00 TO EE 482+00
CVL-EE-01810	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 482+00 TO EE 538+00
CVL-EE-01811	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 538+00 TO EE 594+00
CVL-EE-01812	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 594+00 TO EE 650+00
CVL-EE-01813	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 650+00 TO EE 706+00

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DRAWING NO.	DRAWING DESCRIPTIONS
	2B-3 ELLIS EAST SEGMENT
CVL-EE-01814	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 706+00 TO EE 762+00
CVL-EE-01815	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 762+00 TO EE 818+00
CVL-EE-01816	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 818+00 TO EE 874+00
CVL-EE-01817	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 874+00 TO EE 930+00
CVL-EE-01818	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 930+00 TO EE 986+00
CVL-EE-01819	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 986+00 TO EE 1042+00
CVL-EE-01820	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 1042+00 TO EE 1098+00
CVL-EE-01821	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 1098+00 TO EE 1154+00
CVL-EE-01822	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 1154+00 TO EE 1210+00
CVL-EE-01823	ELLIS EAST SEGMENT - CIVIL - PLAN AND PROFILE EE 1210+00 TO EE 1232+15

							DESIGNED BY D. THOMPSON	ARUP Arup Texas, Inc. 10370 Richmond Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783 2787 Fax (713) 343 1467 www.arup.com Texas Registered Engineering Firm: F-1990	FREES&NICHOLS 2711 North Haskell Ave., Suite 3300 Dallas, Texas 75204 Tel (214) 217 2200 Fax (214) 217 2201 www.freese.com Texas Registered Engineering Firm: F-2144	DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING TEXAS CENTRAL 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215	Drawing Title GENERAL INDEX SHEET 3 OF 5	Scale NO SCALE	
						Drawing Status FINAL							
						Job No 234180	Drawing No GEN-00-00005						Rev 01
REV	DATE	BY	CHK	APP	DESCRIPTION		CHECKED BY R. BURNS						
							IN CHARGE C. TAYLOR						
							DATE 02/25/2019						

VOLUME 3A - STATIONS, MAINTENANCE FACILITIES AND RAILWAY SYSTEMS SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	3A-1 STATIONS
STA-00-03000	GENERAL - STATIONS - TYPICAL SECTIONS
STA-HN-06000	HOUSTON SEGMENT - STATIONS - STATIONS SECTIONS
STA-HN-06001	HOUSTON SEGMENT - STATIONS - STATION SECTIONS - FUTURE EXPANSION
STA-HN-01005	HOUSTON SEGMENT - STATIONS - HOUSTON TRANSIT STATION - CIVIL SITE PLAN
STA-HN-01015	HOUSTON SEGMENT - STATIONS - HOUSTON NORTHWEST MALL - CIVIL SITE PLAN (FSL)
STA-HN-01016	HOUSTON SEGMENT - STATIONS - HOUSTON NORTHWEST MALL - TERMINAL ROAD - PLAN & PROFILE
STA-HN-01017	HOUSTON SEGMENT - STATIONS - HOUSTON NORTHWEST MALL - MANGUM ROAD - PLAN & PROFILE
STA-HN-01018	HOUSTON SEGMENT - STATIONS - HOUSTON NORTHWEST MALL - 18TH STREET - PLAN & PROFILE
STA-HN-01019	HOUSTON SEGMENT - STATIONS - HOUSTON NORTHWEST MALL - CIVIL SITE PLAN - FUTURE BUILD
STA-HN-01025	HOUSTON SEGMENT - STATIONS - INDUSTRIAL STATION - CIVIL SITE PLAN
STA-HN-01034	HOUSTON SEGMENT - STATIONS - BRAZOS VALLEY STATION - CIVIL SITE PLAN
STA-DS-01045	DALLAS SEGMENT - STATIONS - STATION SECTIONS
STA-DS-01046	DALLAS SEGMENT - STATIONS - STATION SECTIONS - FUTURE EXPANSION
STA-DS-01049	DALLAS SEGMENT - STATIONS - DALLAS STATION - CIVIL SITE PLAN
STA-DS-01050	DALLAS SEGMENT - STATIONS - DALLAS STATION - HOTEL STREET - PLAN & PROFILE
STA-DS-01053	DALLAS SEGMENT - STATIONS - DALLAS STATION - PROPOSED STREET 1 - PLAN & PROFILE
STA-DS-01054	DALLAS SEGMENT - STATIONS - DALLAS STATION - PROPOSED STREET 2 - PLAN & PROFILE
	3A-2 MAINTENANCE FACILITIES, YARDS AND SHOPS
MNT-00-02002	HN, WT, EW, DS - MAINTENANCE FACILITIES - TYPICAL MOW FACILITY
MNT-00-02003	GENERAL - MAINTENANCE FACILITIES - TYPICAL SIDING OFF
MNT-00-02004	GENERAL - MAINTENANCE FACILITIES - KEY MAP
MNT-HN-04008	HOUSTON SEGMENT - MAINTENANCE FACILITIES - MOW-HN-2 - LAYOUT
MNT-HN-04009	HOUSTON SEGMENT - MAINTENANCE FACILITIES - MOW-HN-2 - PROFILE
MNT-HN-04010	HOUSTON SEGMENT - MAINTENANCE FACILITIES - HOUSTON TMF - SHEET 1 OF 3
MNT-HN-04011	HOUSTON SEGMENT - MAINTENANCE FACILITIES - HOUSTON TMF - SHEET 2 OF 3
MNT-HN-04012	HOUSTON SEGMENT - MAINTENANCE FACILITIES - HOUSTON TMF - SHEET 3 OF 3
MNT-HN-04013	HOUSTON SEGMENT - MAINTENANCE FACILITIES - HOUSTON TMF - PROFILE
MNT-HN-04014	HOUSTON SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY HN-5 - LAYOUT
MNT-HN-04015	HOUSTON SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY HN-5 - PROFILE
MNT-WT-04016	WEST OF TEAGUE SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY WT-1 - LAYOUT
MNT-WT-04017	WEST OF TEAGUE SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY WT-1 - PROFILE
MNT-WT-04018	WEST OF TEAGUE SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 1 OF 2
MNT-WT-04019	WEST OF TEAGUE SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 2 OF 2
MNT-WT-04020	WEST OF TEAGUE SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY WT-2 - LAYOUT
MNT-WT-04021	WEST OF TEAGUE SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY WT-2 - PROFILE
MNT-EW-04036	ELLIS WEST SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY EW-1 - LAYOUT
MNT-EW-04037	ELLIS WEST SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY EW-1 - PROFILE
MNT-DS-04042	DALLAS SEGMENT - MAINTENANCE FACILITIES - DALLAS TMF - SHEET 1 OF 2
MNT-DS-04043	DALLAS SEGMENT - MAINTENANCE FACILITIES - DALLAS TMF - SHEET 2 OF 2
MNT-DS-04044	DALLAS SEGMENT - MAINTENANCE FACILITIES - DALLAS TMF - PROFILE
	3A-3 RAILWAY FACILITIES
SYS-00-01001	HN, WT, NW, EW, DS - RAILWAY FACILITIES - SP, SSP, ATP - TYPICAL LAYOUT PLAN
SYS-00-01002	HN, WT, NW, EW, DS - RAILWAY FACILITIES - MSH, SSH, ISH, CH - TYPICAL LAYOUT PLAN
SYS-00-01003	HN, WT, NW, EW, DS - RAILWAY FACILITIES - TPSS LOOP 2FDR - TYPICAL LAYOUT PLAN
SYS-00-01004	HN, WT, NW, EW, DS - RAILWAY FACILITIES - TPSS LOOP 1FDR - TYPICAL LAYOUT PLAN
SYS-00-01005	HN, WT, NW, EW, DS - RAILWAY FACILITIES - TPSS RADIAL 2FDR - TYPICAL LAYOUT PLAN
SYS-00-01006	HN, WT, NW, EW, DS - RAILWAY FACILITIES - TPSS RADIAL 1FDR - TYPICAL LAYOUT PLAN
SYS-00-02000	GENERAL - RAILWAY FACILITIES - FACILITIES SPACING - ALIGN ALT A FSL
SYS-00-02001	GENERAL - RAILWAY FACILITIES - FACILITIES SPACING - ALIGN ALT A ISL
SYS-00-03000	HT1, HT2, HT3, HN1, HN2, - WT, NW, EW, DS, DT - RAILWAY FACILITIES - FACILITY LOCATIONS
	3A-4 ROADWAY FACILITIES
RDY-00-03037	GENERAL - ROADWAY FACILITIES - EMERGENCY RESPONSE MAINTENANCE – AND STAGING AREA LAYOUTS

VOLUME 3B - STATIONS, MAINTENANCE FACILITIES AND RAILWAY SYSTEMS SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	3B-1 STATIONS (NOT USED)
	3B-2 MAINTENANCE FACILITIES, YARDS AND SHOPS
MNT-00-02012	IH, EE - MAINTENANCE FACILITIES - TYPICAL MOW FACILITY
MNT-IH-04022	IH-45 SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY IH-1 - LAYOUT - SHEET 1 OF 3
MNT-IH-04023	IH-45 SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY IH-1 - LAYOUT - SHEET 2 OF 3
MNT-IH-04024	IH-45 SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY IH-1 - LAYOUT - SHEET 3 OF 3
MNT-IH-04025	IH-45 SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 1 OF 8
MNT-IH-04026	IH-45 SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 2 OF 8
MNT-IH-04027	IH-45 SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 3 OF 8
MNT-IH-04028	IH-45 SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 4 OF 8
MNT-IH-04029	IH-45 SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 5 OF 8
MNT-IH-04030	IH-45 SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 6 OF 8
MNT-IH-04031	IH-45 SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 7 OF 8
MNT-IH-04032	IH-45 SEGMENT - MAINTENANCE FACILITIES - TRACK CONNECTION - LAYOUT - SHEET 8 OF 8
MNT-IH-04033	IH-45 SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY IH-2 - LAYOUT - SHEET 1 OF 3
MNT-IH-04034	IH-45 SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY IH-2 - LAYOUT - SHEET 2 OF 3
MNT-IH-04035	IH-45 SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY IH-2 - LAYOUT - SHEET 3 OF 3
MNT-EE-04038	ELLIS EAST SEGMENT - MAINTENANCE FACILITIES - MOW FACILITY EE-1 - LAYOUT
	3B-3 RAILWAY FACILITIES
SYS-00-01010	IH, NE, EE - RAILWAY FACILITIES - TPSS - TYPICAL LAYOUT PLAN
SYS-00-01011	IH, NE, EE - RAILWAY FACILITIES - SP, SSP, ATP - TYPICAL LAYOUT PLAN
SYS-00-01012	IH, NE, EE - RAILWAY FACILITIES - MSH, SSH, ISH, CH - TYPICAL LAYOUT PLAN
SYS-00-02002	GENERAL - RAILWAY FACILITIES - FACILITY SPACING - ALIGNMENT ALTERNATIVE B
SYS-00-02003	GENERAL - RAILWAY FACILITIES - FACILITY SPACING - ALIGNMENT ALTERNATIVE C
SYS-00-02004	GENERAL - RAILWAY FACILITIES - FACILITY SPACING - ALIGNMENT ALTERNATIVE D
SYS-00-02005	GENERAL - RAILWAY FACILITIES - FACILITY SPACING - ALIGNMENT ALTERNATIVE E
SYS-00-02006	GENERAL - RAILWAY FACILITIES - FACILITY SPACING - ALIGNMENT ALTERNATIVE F
SYS-00-03010	IH, NE, EE- RAILWAY FACILITIES - FACILITY LOCATIONS

VOLUME 4B - NOT USED

VOLUME 4B - ROADWAY PLAN SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	4B-1 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 - SHEET 5 OF 5 IH2 224+00 TO IH2 540+81
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
RDY-IH1-04012	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1000+00 TO IH1 1090+00
RDY-IH1-04013	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1090+00 TO IH1 1180+00
RDY-IH1-04014	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1180+00 TO IH1 1270+00
RDY-IH1-04015	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1270+00 TO IH1 1360+00
RDY-IH1-04016	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1360+00 TO IH1 1450+00
RDY-IH1-04017	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1450+00 TO IH1 1540+00
RDY-IH1-04018	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1540+00 TO IH1 1630+00
RDY-IH1-04019	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1630+00 TO IH1 1720+00
RDY-IH1-04020	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1720+00 TO IH1 1810+00
RDY-IH1-04021	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1810+00 TO IH1 1900+00
RDY-IH1-04022	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1900+00 TO IH1 1990+00
RDY-IH1-04023	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 1990+00 TO IH1 2080+00
RDY-IH1-04024	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2080+00 TO IH1 2170+00
RDY-IH1-04025	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2170+00 TO IH1 2260+00
RDY-IH1-04026	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2260+00 TO IH1 2350+00
RDY-IH1-04027	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2350+00 TO IH1 2440+00
RDY-IH1-04028	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2440+00 TO IH1 2530+00
RDY-IH1-04029	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2530+00 TO IH1 2620+00
RDY-IH1-04030	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2620+00 TO IH1 2710+00
RDY-IH1-04031	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2710+00 TO IH1 2800+00
RDY-IH1-04032	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2800+00 TO IH1 2890+00
RDY-IH1-04033	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2890+00 TO IH1 2980+00
RDY-IH1-04034	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 2980+00 TO IH1 3070+00

							DESIGNED BY D. THOMPSON
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							DATE 02/25/2019
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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

TEXAS CENTRAL

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

Drawing Title

GENERAL INDEX SHEET 4 OF 5

Scale
NO SCALE

Drawing Status
FINAL

Job No 234180	Drawing No GEN-00-00006	Rev 01
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Arup Texas Inc.

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VOLUME 4B - ROADWAY PLAN SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	4B-1 IH-45 SEGMENT
RDY-IH1-04035	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3070+00 TO IH1 3160+00
RDY-IH1-04036	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3160+00 TO IH1 3250+00
RDY-IH1-04037	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3250+00 TO IH1 3340+00
RDY-IH1-04038	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3340+00 TO IH1 3430+00
RDY-IH1-04039	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3430+00 TO IH1 3520+00
RDY-IH1-04040	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3520+00 TO IH1 3610+00
RDY-IH1-04041	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3610+00 TO IH1 3700+00
RDY-IH1-04042	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3700+00 TO IH1 3790+00
RDY-IH1-04043	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3790+00 TO IH1 3880+00
RDY-IH1-04044	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3880+00 TO IH1 3970+00
RDY-IH1-04045	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 3970+00 TO IH1 4060+00
RDY-IH1-04046	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 4060+00 TO IH1 4150+00
RDY-IH1-04047	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 4150+00 TO IH1 4240+00
RDY-IH1-04048	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH1 4240+00 TO IH1 4329+69
RDY-IH2-04049	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH2 10+00 TO IH2 100+00
RDY-IH2-04050	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH2 100+00 TO IH2 190+00
RDY-IH2-04051	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH2 190+00 TO IH2 280+00
RDY-IH2-04052	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH2 280+00 TO IH2 370+00
RDY-IH2-04053	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH2 370+00 TO IH2 460+00
RDY-IH2-04054	IH-45 SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. IH2 460+00 TO IH2 540+81
	4B-2 NAVARRO EAST SEGMENT
RDY-NE-01101	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 1 OF 2 NE 10+00 TO NE 1070+00
RDY-NE-01102	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 2 OF 2 NE 1070+00 TO NE 1652+05
RDY-NE-04001	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 10+00 TO NE 100+00
RDY-NE-04002	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 100+00 TO NE 190+00
RDY-NE-04003	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 190+00 TO NE 280+00
RDY-NE-04004	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 280+00 TO NE 370+00
RDY-NE-04005	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 370+00 TO NE 460+00
RDY-NE-04006	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 460+00 TO NE 550+00
RDY-NE-04007	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 550+00 TO NE 640+00
RDY-NE-04008	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 640+00 TO NE 730+00
RDY-NE-04009	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 730+00 TO NE 820+00
RDY-NE-04010	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 820+00 TO NE 910+00
RDY-NE-04011	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 910+00 TO NE 1000+00
RDY-NE-04011A	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - MATCHLINE RDY-NE-04011
RDY-NE-04012	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 1000+00 TO NE 1090+00
RDY-NE-04013	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 1090+00 TO NE 1180+00
RDY-NE-04014	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 1180+00 TO NE 1270+00
RDY-NE-04015	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 1270+00 TO NE 1360+00
RDY-NE-04016	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 1360+00 TO NE 1450+00
RDY-NE-04017	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 1450+00 TO NE 1540+00
RDY-NE-04018	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 1540+00 TO NE 1630+00
RDY-NE-04019	NAVARRO EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. NE 1630+00 TO NE 1652+05
	4B-3 ELLIS EAST SEGMENT
RDY-EE-01101	ELLIS EAST SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 1 OF 2 EE 9+56 TO EE 1064+00
RDY-EE-01102	ELLIS EAST SEGMENT - CIVIL HIGHWAY - KEY MAP - SHEET 2 OF 2 EE 1064+00 TO EE 1232+15
RDY-EE-04001	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 9+56 TO EE 100+00
RDY-EE-04002	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 100+00 TO EE 190+00
RDY-EE-04003	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 190+00 TO EE 280+00
RDY-EE-04004	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 280+00 TO EE 370+00
RDY-EE-04005	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 370+00 TO EE 460+00
RDY-EE-04006	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 460+00 TO EE 550+00
RDY-EE-04007	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 550+00 TO EE 640+00
RDY-EE-04008	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 640+00 TO EE 730+00
RDY-EE-04009	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 730+00 TO EE 820+00
RDY-EE-04010	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 820+00 TO EE 910+00
RDY-EE-04011	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 910+00 TO EE 1000+00
RDY-EE-04012	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 1000+00 TO EE 1090+00
RDY-EE-04013	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 1090+00 TO EE 1180+00
RDY-EE-04014	ELLIS EAST SEGMENT - CIVIL HIGHWAY - PLAN VIEW - STA. EE 1180+00 TO EE 1232+15

Volume 5A - WILDLIFE CROSSING SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	Volume 5A
WLC-DS-04001	DS SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 1 OF 23)
WLC-DS-04002	DS SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 2 OF 23)
WLC-DS-04003	DS SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 3 OF 23)
WLC-EW-04001	EW SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 4 OF 23)
WLC-EW-04002	EW SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 5 OF 23)
WLC-NW-04001	NW SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 6 OF 23)
WLC-NW-04002	NW SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 7 OF 23)
WLC-NW-04003	NW SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 8 OF 23)
WLC-WT-04001	WT SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 9 OF 23)
WLC-WT-04002	WT SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 10 OF 23)
WLC-WT-04003	WT SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 11 OF 23)
WLC-WT-04004	WT SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 12 OF 23)
WLC-WT-04005	WT SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 13 OF 23)
WLC-WT-04006	WT SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 14 OF 23)
WLC-WT-04007	WT SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 15 OF 23)
WLC-HN-04001	HN SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 16 OF 23)
WLC-HN-04002	HN SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 17 OF 23)
WLC-HN-04003	HN SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 18 OF 23)
WLC-HN-04004	HN SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 19 OF 23)
WLC-HN-04005	HN SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 20 OF 23)
WLC-HN-04006	HN SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 21 OF 23)
WLC-HN-04007	HN SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 22 OF 23)
WLC-HN-04008	HN SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 23 OF 23)

VOLUME 5B - WILDLIFE CROSSING SHEETS

DRAWING NO.	DRAWING DESCRIPTIONS
	Volume 5B
WLC-EE-04001	EE SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 1 OF 15)
WLC-EE-04002	EE SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 2 OF 15)
WLC-NE-04001	NE SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 3 OF 15)
WLC-NE-04002	NE SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 4 OF 15)
WLC-NE-04003	NE SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 5 OF 15)
WLC-IH-04001	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 6 OF 15)
WLC-IH-04002	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 7 OF 15)
WLC-IH-04003	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 8 OF 15)
WLC-IH-04004	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 9 OF 15)
WLC-IH-04005	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 10 OF 15)
WLC-IH-04006	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 11 OF 15)
WLC-IH-04007	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 12 OF 15)
WLC-IH-04008	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 13 OF 15)
WLC-IH-04009	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 14 OF 15)
WLC-IH-04010	IH-45 SEGMENT THSR - POTENTIAL WILDLIFE CROSSINGS (SHEET 15 OF 15)

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

 **TEXAS
CENTRAL**

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

Drawing Title

GENERAL
INDEX SHEET 5 OF 5

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GENERAL NOTES:

- 1. THESE DRAWNGS ACCOMPANY FINAL CONCEPTUAL ENGINEERING (FCE) REPORT.
- 2. DRAWING SET INCLUDES FIVE (5) VOLUMES. AFTER RELEASE OF THE DRAFT EIS (DEIS), WHICH IDENTIFIED ALTERNATIVE A AS THE PERFERRED ALTERNATIVE, ADDITIONAL DESIGN DEVELOPMENT AND REFINEMENT OF ALTERNATIVE A WAS UNDERTAKEN TO MITIGATE IMPACTS AND TO IMPROVE CONSTRUCTABILITY. THIS REPORT ADDRESSES THE REFINED DESING APPROACHES AND DETAILS FOR THE SEGMENTS IN BUILD ALTERNATIVE A. FOR ALL OTHER SEGMENTS NOT A PART OF THE PERFERRED ALTERNATIVE (ELLIS EAST, NAVARRO EAST, AND IH-45 SEGMENTS), NO CHANGES TO DESIGN WAS ADVANCED OTHER THAN ALIGNMENT REVISIONS REQUIRED TO ACCOUNT FOR ALIGNMENT REVISIONS ADVANCED IN ALTERNATIVE A. TO FACILITATE COMPARISON FOR IMPACT ANALYSIS, THE APPENDICES TO THE FCE REPORT INCLUDES ALL SEGMENTS. THE DRAWING SET HAS BEEN ORGANIZED INTO VOLUMES 1A-5A AND 1B-5B, WITH THE PREFERRED ALTERNATIVE DESIGN DRAWINGS INCLUDED IN THE 1A-5A VOLUMES.
- 3. CONCEPTUAL ENGINEERING WAS DEVELOPED TO IDENTIFY PROJECT LIMIT OF DISTURBANCE (LOD), OR "PROJECT FOOTPRINT". CONCEPTUAL ENGINEERING DRAWINGS AND FCE 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 DRAWING 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 DRAWNGS 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, AEROGRID, 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, DEMOLISHED, RECONFIGURED, OR CONSTRUCTED, 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).
- 2. LOD USED FOR EIS ANALYSIS FOOTPRINT. 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.

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 FACILITIES, 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 (TMF).

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 IMAGERY BACKGROUNDS.
- 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-00-03034B FOR TYPICAL ROADWAY CROSS SECTIONS.
- 7. FOR SEGMENTS HN, WT, NW, EW, AND DS, ROADWAY REMOVALS ARE SHOWN ON RAIL PLAN AND PROFILE SHEETS. FOR SEGMENTS IH, NE, AND EE, ROADWAY REMOVALS ARE NOT SHOWN ON RAIL PLAN AND PROFILE SHEETS. REFER TO ROADWAY PLAN SHEETS IN VOLUME 4 FOR SEGMENT 2B, 3B, AND 4B 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 CROSSINGS DO NOT REPRESENT THE PROPOSED ROADWAY ELEVATION, BUT RATHER THE MINIMUM HEIGHT REQUIRED FOR CLEARANCES, INCLUDING ALLOWANCES FOR ROADWAY STRUCTURAL ELEMENTS. SEE FCE 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 REQUIRE THE APPROPRIATE APPROVAL FROM TXDOT.
- 13. PLANNED ROADS, SUCH AS MTFP ROADS IN HOUSTON, ARE SHOWN IN PROFILES IN VOLUME 2, BUT ARE NOT SHOWN IN PLAN IN VOLUME 2. AS THESE ROADS ARE PLANNED AND NOT EXISTING, THE AERIAL IMAGERY BACKGROUNDS DO NOT SHOW THESE ROADS. PLANNED ROADS ARE SHOWN IN THE FCE REPORT APPENDIX B: ROAD SEPARATION DATABASE.

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 FCE 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 AND ARE BASED ON INFORMATION RECEIVED, AS DOCUMENTED IN THE FINAL 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 FCE 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 COORDINATION WITH LANDOWNER WILL BE UNDERTAKEN TO DEVELOP IMPROVEMENTS CONSIDERING LANDOWNER 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-00-02006, 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 FCE 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-00-01006.
- 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

DESIGNED BY D. THOMPSON
DRAWN BY D. THOMPSON
CHECKED BY R. BURNS
IN CHARGE C. TAYLOR
DATE 02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

GENERAL
NOTES

Scale
NO SCALE

Drawing Status

FINAL

Job No	Drawing No	Rev
234180	GEN-00-00008	01

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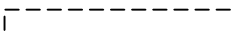
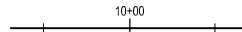
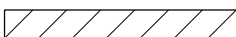
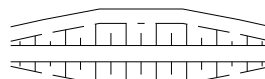
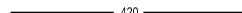
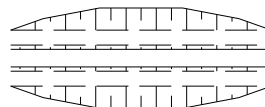
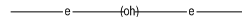
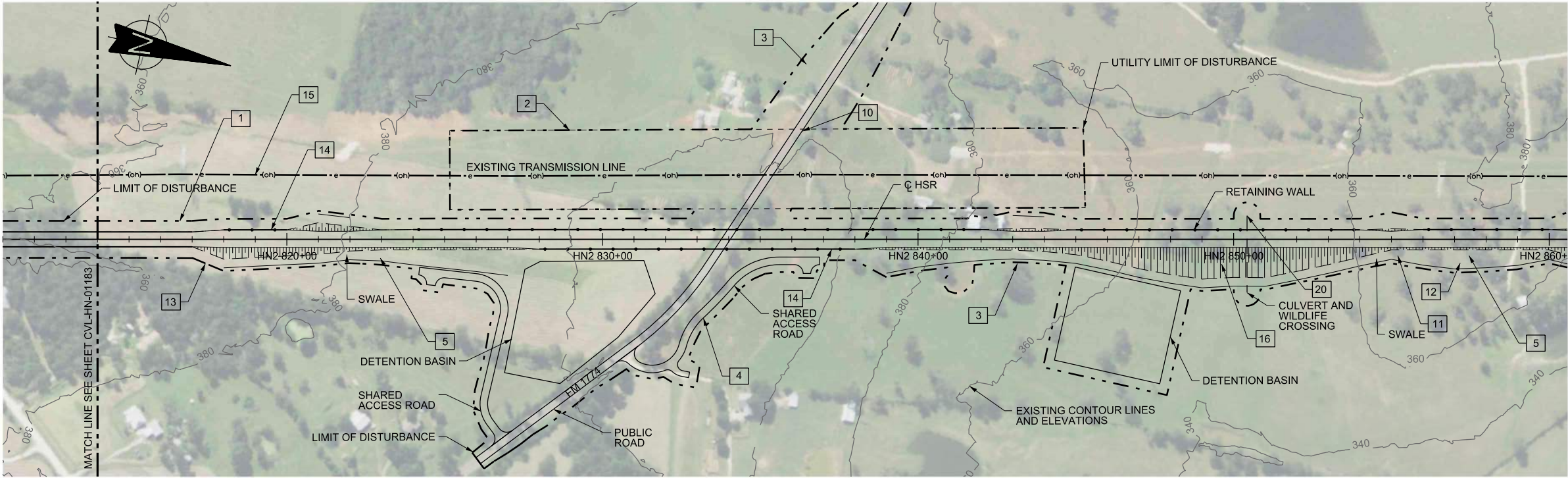
PLAN			
	NORTH ARROW		TEMPORARY CONSTRUCTION AREA
	CITY / COUNTY BOUNDARY LINE		UTILITY LIMIT OF DISTURBANCE (LOD)
FOR CONTINUATION SEE SHEET XXX 	MATCH LINE		RAIL SYSTEMS SITE
	CONCEPTUAL ENGINEERING LIMITS OF DISTURBANCE (LOD)		DETENTION BASIN
	PROPOSED CENTERLINE OF HIGH-SPEED RAIL WITH STATIONING		BUILDING TO BE DEMOLISHED
	EDGE OF VIADUCT		RAIL ON EMBANKMENT (FILL)
	PROPOSED ROADWAY EDGE OF PAVEMENT		
	CONTOURS		RAIL IN CUT
	EXISTING TRANSMISSION LINE		
	FENCE		
	RETAINING WALL		
	CULVERT		

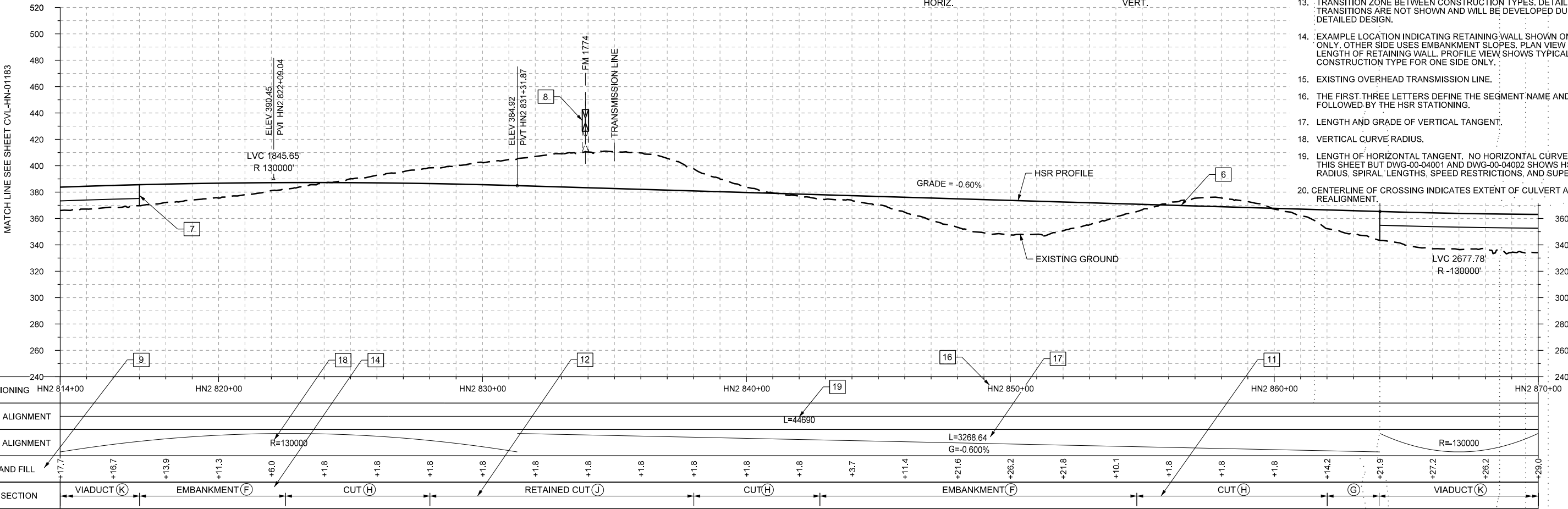
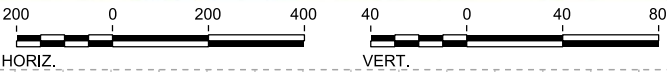
Figure 1: Cross-section of bridge deck and approach. The diagram illustrates the relationship between the bridge structure, ground level, flood level, and various crossings. Key elements include the top of the rail, existing ground, FEMA 100-year flood level, viaduct abutment and structure soffit, utility crossing, and the existing and proposed crossings. The crossing removed is also indicated.

PLOT BY: colleen.zwiebel PLOT TIME: 6/28/2019 11:10:22 AM

- NOTES:
1. LIMIT OF DISTURBANCE (LOD) FOR THE PROJECT. LOD VARIES BASED ON IMPACT AT EACH LOCATION. LOD USED FOR ENVIRONMENTAL ANALYSIS.
 2. UTILITY LIMIT OF DISTURBANCE. TRANSMISSION LINE TO BE RAISED AS NECESSARY TO SUIT THE GRADE SEPARATION OF THE ROADWAY. REFER TO UTILITY TYPICAL DETAILS.
 3. LOD IS OFFSET FROM THE EDGE OF PROPOSED ROADWAY TO ACCOMMODATE SIDE SLOPES ASSOCIATED WITH THE GRADE SEPARATION OF THE ROADWAY AND ACCESS ROAD.
 4. DETAILS ON THE TYPE AND WIDTH OF THE ACCESS ROAD ARE SHOWN IN TYPICAL SECTIONS IN VOLUME 1.
 5. SWALE EXTENTS SHOWN ON RAIL PLAN SHEETS ARE ONLY GENERATED BY COMPUTER MODEL FOR EMBANKMENT CONSTRUCTION TYPE AND WOULD EXTEND BEYOND THE LIMITS SHOWN. FINAL EXTENTS AND ARRANGEMENTS OF SWALES WOULD BE DEVELOPED DURING FINAL DESIGN AND BE BASED ON SITE SPECIFIC CONDITIONS AND REQUIREMENTS. LOCATION AND CONFIGURATION OF SWALES FOR OTHER CONSTRUCTION TYPES ARE SHOWN ON THE TYPICAL SECTIONS.
 6. PROFILE OF THE HSR ALIGNMENT AT TOP OF RAIL.
 7. START, END, AND APPROXIMATE UNDERSIDE OF VIADUCT STRUCTURES. TYPICAL STRUCTURE DEPTH SHOWN.
 8. CLEARANCE BOX SHOWING 16'-6" FROM EXISTING ROADWAY ALIGNMENT. CLEARANCE BOX SHOWS APPROXIMATE SPACE OCCUPIED BY EXISTING OR PROPOSED ROADWAYS OR FREIGHT RAIL LINES. ACTUAL CLEARANCE REQUIRED VARIES BASED ON ROAD OR RAIL TYPE. FOR DETAILS ON REQUIRED CLEARANCE SEE FCE REPORT.
 9. CUT AND FILL VALUES SHOW HEIGHT OF HSR PROFILE AT THE TOP OF RAIL ELEVATION RELATIVE TO GROUND. CUT AND FILL IS CUSTOMARY NOMENCLATURE. HOWEVER VALUES ARE NOT INTENDED TO PROVIDE DEPTHS OF EXCAVATIONS OR HEIGHTS OF EARTHWORKS. WHERE TOP OF RAIL IS WITHIN 6 FEET OF EXISTING GROUND A CUT SECTION MAY BE REQUIRED TO ACCOMMODATE DEPTH OF TRACK STRUCTURE AND DRAINAGE. LIMITS WILL VARY BY LOCATION AND SITE SPECIFIC TOPOGRAPHY. TYPICAL SECTIONS IN VOLUME 1 ILLUSTRATE RELATIONSHIP BETWEEN TOP OF RAIL LEVEL AND TRACK STRUCTURE.
 10. REALIGNED OR REPROFILED ROADWAY. FULL EXTENTS OF ROAD REALIGNMENT SHOWN ON ROADWAY SHEETS IN VOLUME 2.
 11. EXTENTS OF RAIL EMBANKMENT SLOPES REFER TO SECTIONS.
 12. EXTENTS OF CUT SLOPES REFER TO SECTIONS.
 13. TRANSITION ZONE BETWEEN CONSTRUCTION TYPES. DETAILS OF TRANSITIONS ARE NOT SHOWN AND WILL BE DEVELOPED DURING MORE DETAILED DESIGN.
 14. EXAMPLE LOCATION INDICATING RETAINING WALL SHOWN ON ONE SIDE ONLY. OTHER SIDE USES EMBANKMENT SLOPES. PLAN VIEW INDICATES LENGTH OF RETAINING WALL. PROFILE VIEW SHOWS TYPICAL SECTION CONSTRUCTION TYPE FOR ONE SIDE ONLY.
 15. EXISTING OVERHEAD TRANSMISSION LINE.
 16. THE FIRST THREE LETTERS DEFINE THE SEGMENT NAME AND NUMBER FOLLOWED BY THE HSR STATIONING.
 17. LENGTH AND GRADE OF VERTICAL TANGENT.
 18. VERTICAL CURVE RADIUS.
 19. LENGTH OF HORIZONTAL TANGENT. NO HORIZONTAL CURVES SHOWN ON THIS SHEET BUT DWG-00-04001 AND DWG-00-04002 SHOWS HSR CURVE RADIUS, SPIRAL, LENGTHS, SPEED RESTRICTIONS, AND SUPERELEVATIONS.
 20. CENTERLINE OF CROSSING INDICATES EXTENT OF CULVERT AND STREAM REALIGNMENT.



PLAN



PROFILE

DESIGNED BY J. ENRIQUEZ						DRAWN BY P. TONKIN						CHECKED BY R. BURNS						IN CHARGE C. TAYLOR						DATE 02/25/2019					
REV						DATE						BY						CHK						APP					
DESCRIPTION																													

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

GENERAL

RAIL ANNOTATION TO
CLARIFY DESIGN INTENT

Scale
AS SHOWN

Drawing Status

FINAL

Job No
234180

Drawing No
GEN-00-00010

Rev
01

VOLUME 2A

RAILWAY ALIGNMENT PLAN

AND PROFILE SHEETS

(SEGMENTS HN, WT, NW, EW, DS)

REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY	K. SEYMOUR
DRAWN BY	D. THOMPSON
CHECKED BY	R. BURNS
IN CHARGE	C. TAYLOR
DATE	2/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



TEXAS
CENTRAL

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Drawing Title

GENERAL

Scale
NO SCALE

Drawing Status

FINAL

Job No	Drawing No	Rev
234180	GEN-00-0000	01

1

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9

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2A-1

HOUSTON SEGMENT

REV	DATE	BY	CHK	APP	DESCRIPTION	

DESIGNED BY	K. SEYMOUR
DRAWN BY	D. THOMPSON
CHECKED BY	R. BURNS
IN CHARGE	C. TAYLOR
DATE	2/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



TEXAS
CENTRAL

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

Drawing Title

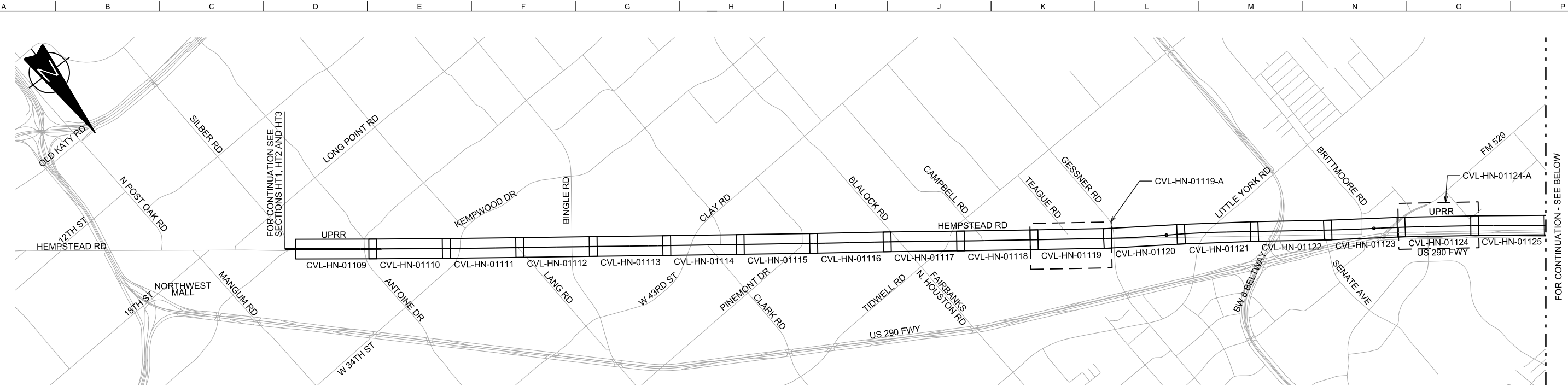
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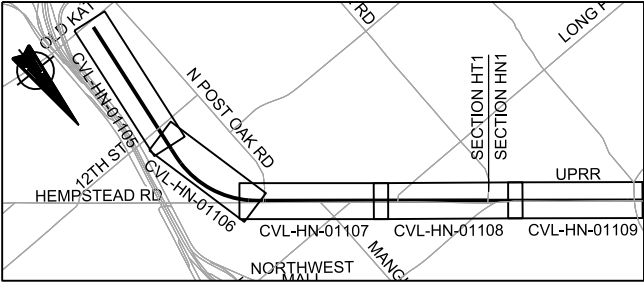
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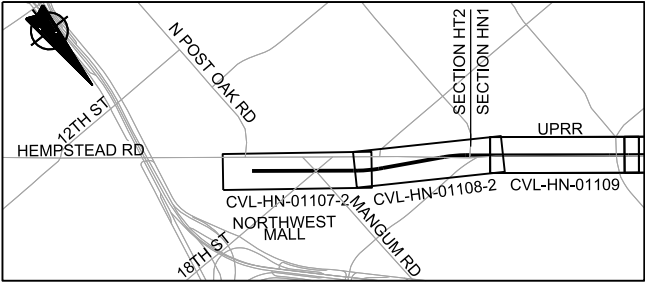
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234180	GEN-00-0000	01



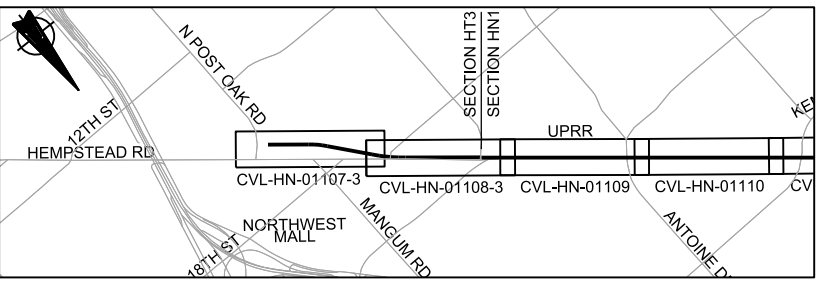
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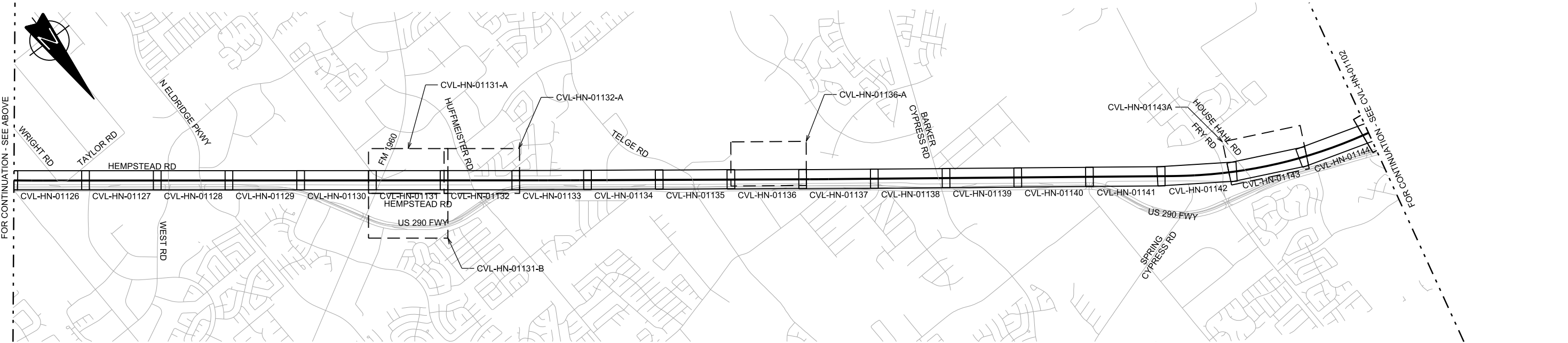
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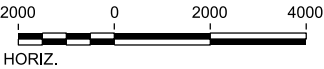
SECTION HT2/HN1



SECTION HT3/HN1



SECTION HN1



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. UTZ
DRAWN BY J. BORGHESI
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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

HOUSTON SEGMENT
CIVIL
KEY MAP - SHEET 1 OF 4
HT1 10+00 TO HN1 1024+00

Scale
AS SHOWN

Drawing Status

FINAL

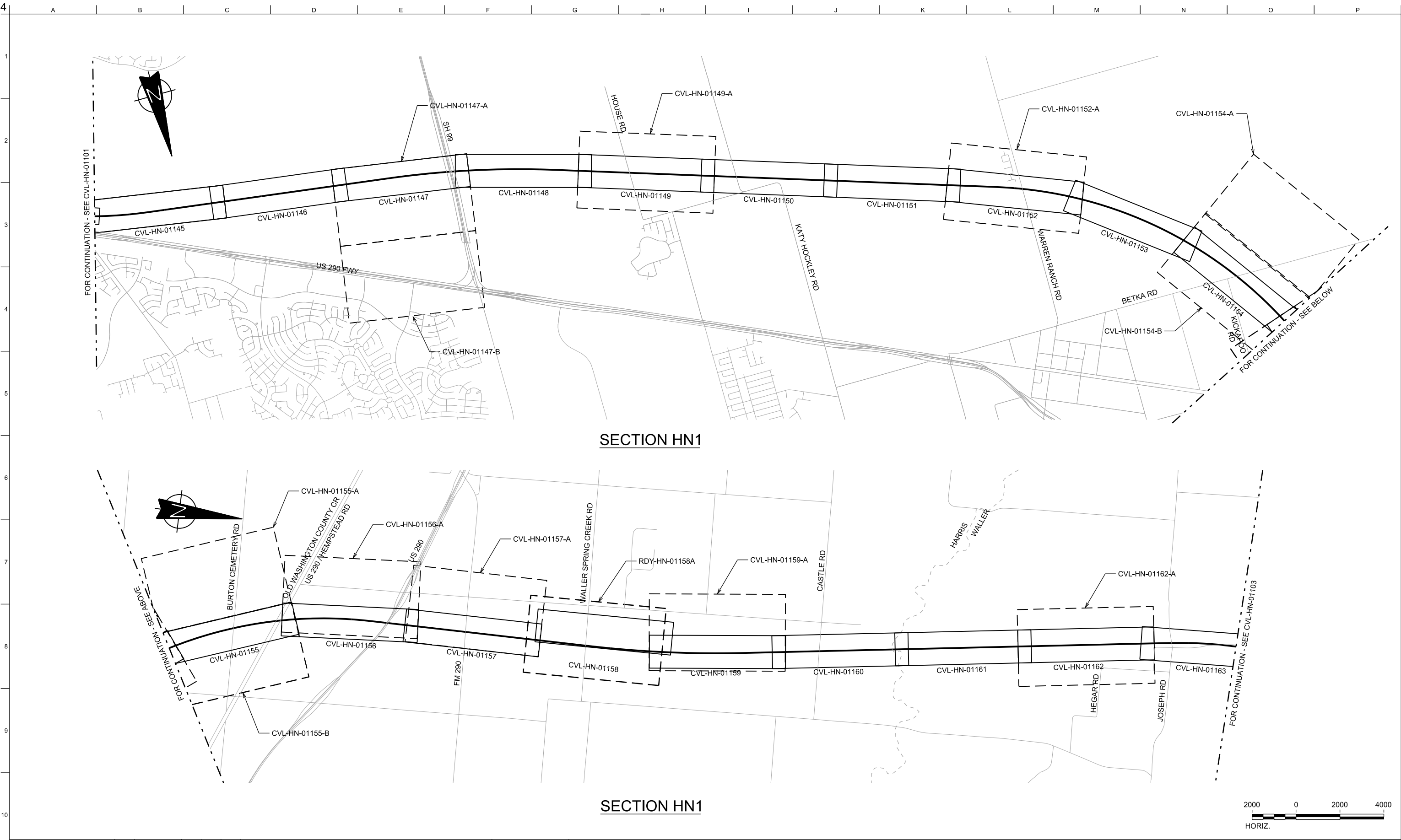
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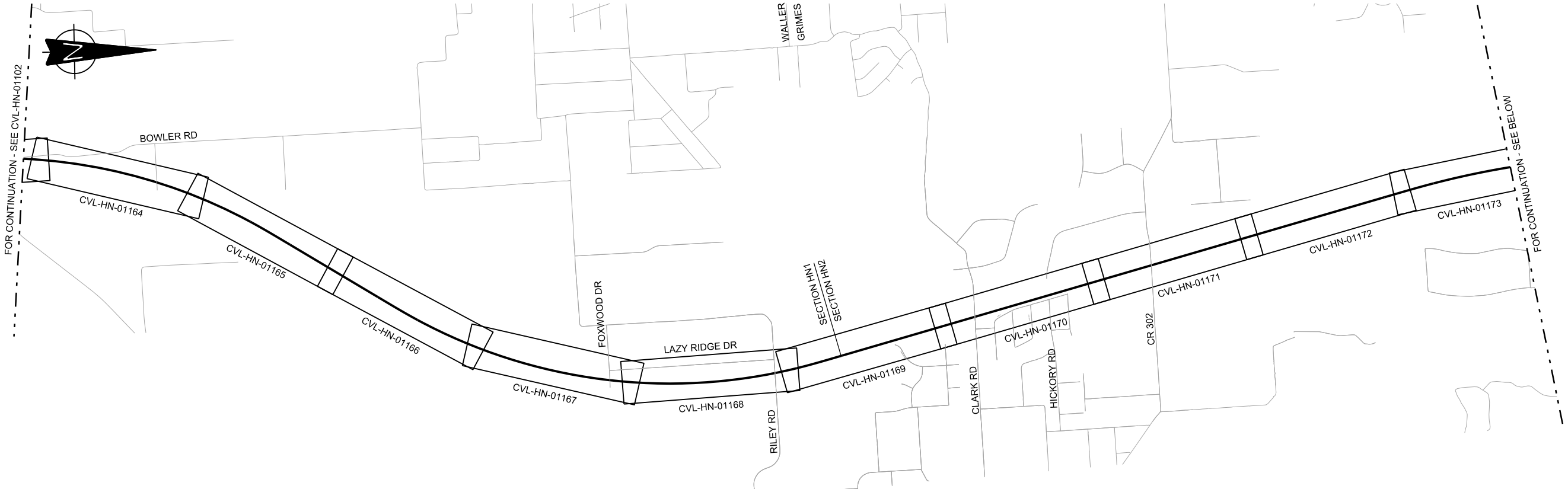
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CVL-HN-01101

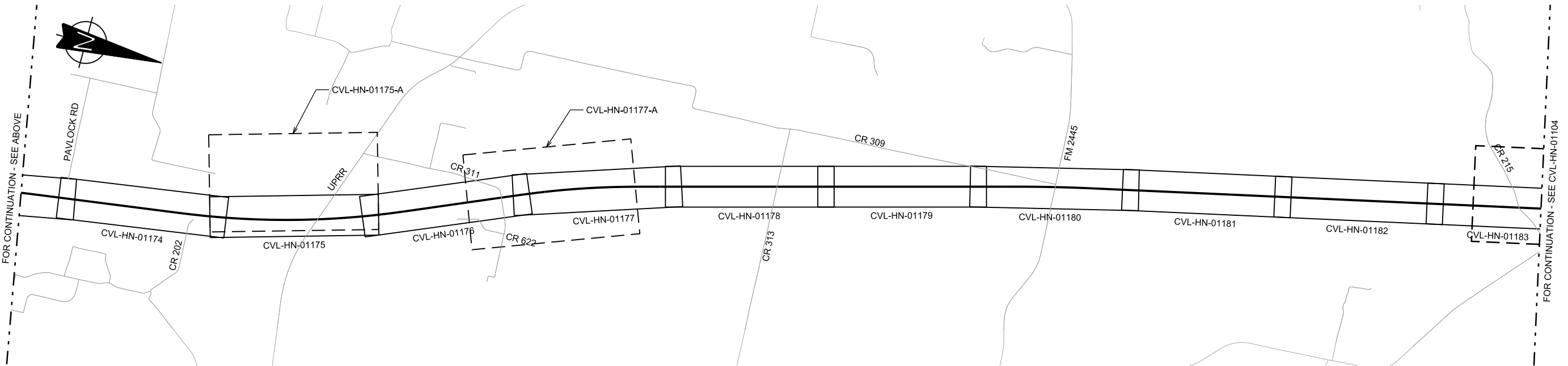
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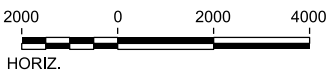
REV DATE BY CHK APP DESCRIPTION						DESIGNED BY A. UTZ DRAWN BY J. BORGHESI CHECKED BY C. ZWIEBEL IN CHARGE C. TAYLOR DATE 02/25/2019	ARUP Arup Texas, Inc. 10370 Richmond Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783 2787 Fax (713) 343 1467 www.arup.com Texas Registered Engineering Firm: F-1990		FREESE AND NICHOLS 2711 North Haskell Ave., Suite 3300 Dallas, Texas 75204 Tel (214) 217 2200 Fax (214) 217 2201 www.freese.com Texas Registered Engineering Firm: F-2144		DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215		Drawing Title HOUSTON SEGMENT CIVIL KEY MAP - SHEET 2 OF 4 HN1 1024+00 TO HN1 2088+00		Scale AS SHOWN Drawing Status FINAL <table border="1"><tr><td>Job No 234180</td><td>Drawing No CVL-HN-01102</td><td>Rev 01</td></tr></table>			Job No 234180	Drawing No CVL-HN-01102	Rev 01
Job No 234180	Drawing No CVL-HN-01102	Rev 01																		



SECTION HN1/HN2



SECTION HN2



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. UTZ
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CHECKED BY C. ZWIEBEL
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DATE 02/25/2019

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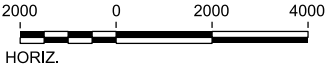
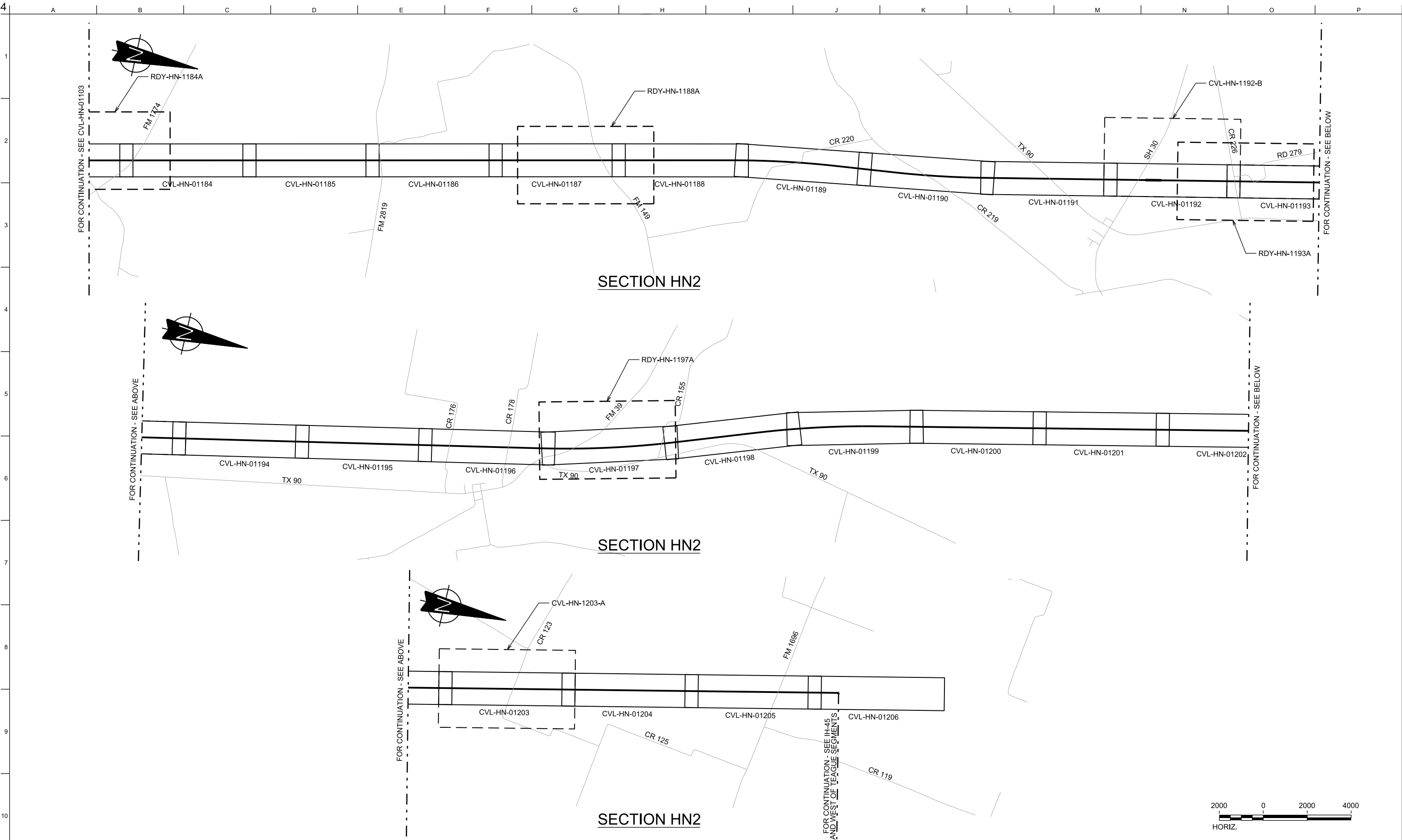
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title
**HOUSTON SEGMENT
CIVIL
KEY MAP - SHEET 3 OF 4
HN1 2088+00 TO HN2 814+00**

Scale AS SHOWN		
Drawing Status FINAL		
Job No 234180	Drawing No CVL-HN-01103	Rev 01



REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY J. BORGHESI
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IN CHARGE C. TAYLOR
DATE 02/25/2019

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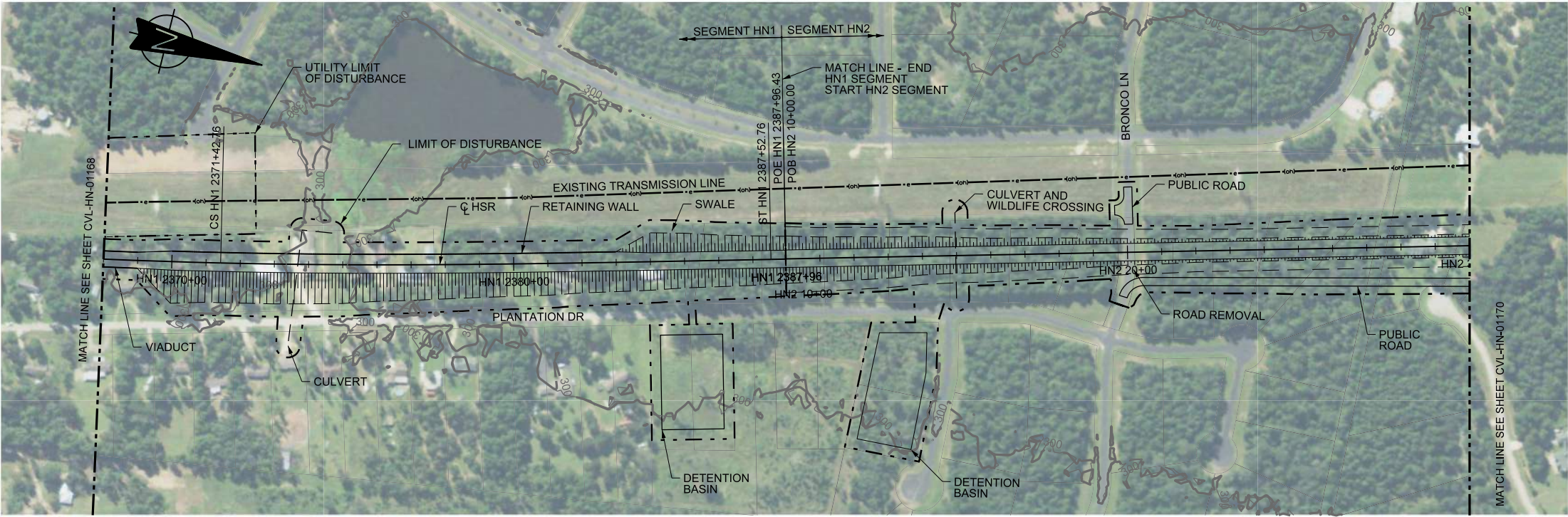
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



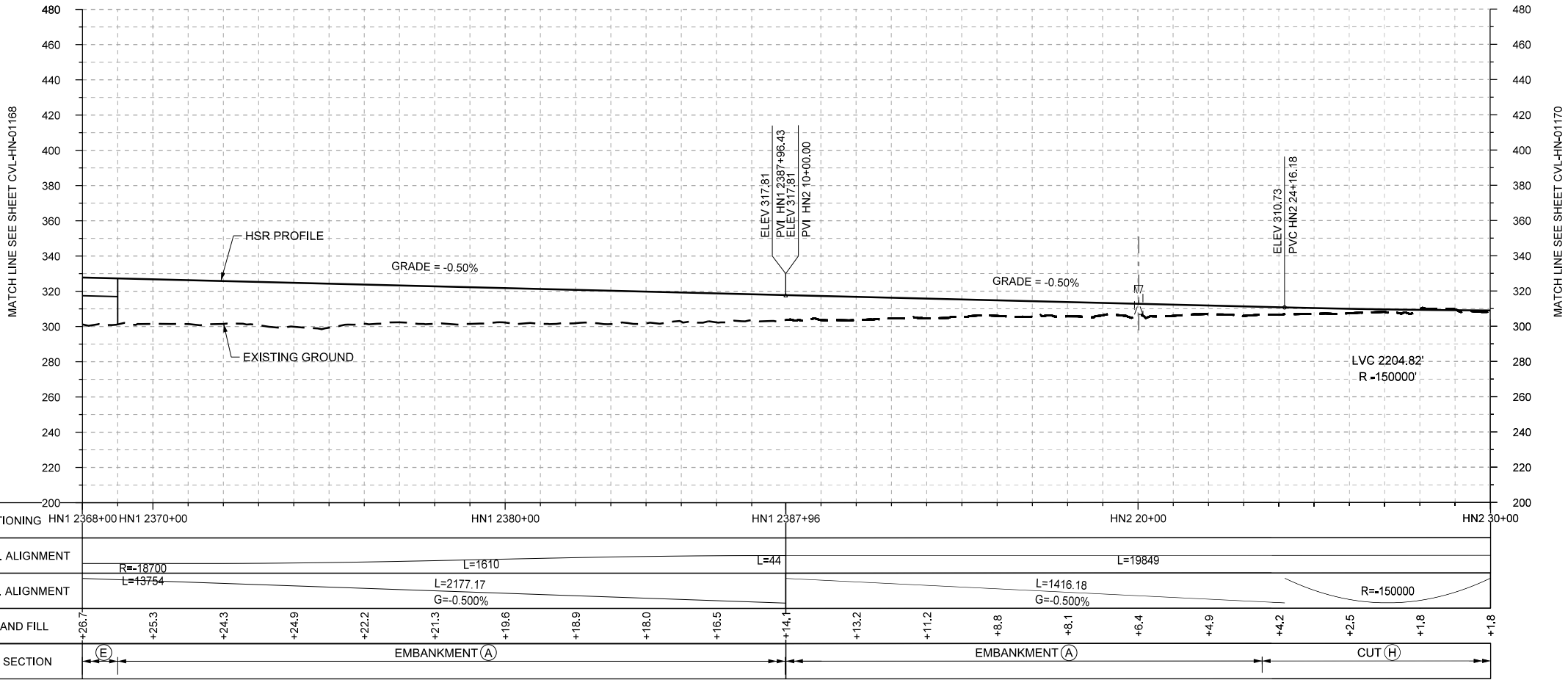
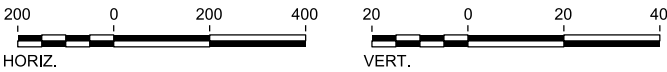
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL
KEY MAP - SHEET 4 OF 4
HN2 814+00 TO HN2 2073+80**

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



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY A. UTZ
DRAWN BY J. BORGHESI
CHECKED BY C. ZWIEBEL
IN CHARGE C. TAYLOR
DATE 02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



**TEXAS
CENTRAL**

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

Drawing Title

**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN1 2368+00 TO HN2 30+00**

Scale
AS SHOWN

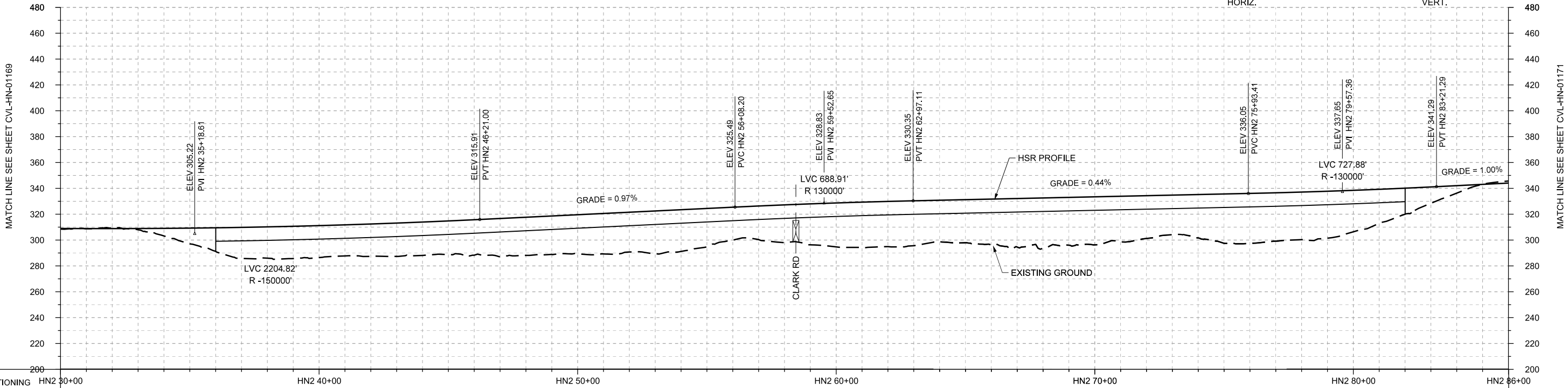
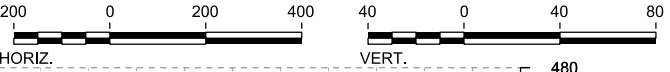
Drawing Status

FINAL

Job No	Drawing No	Rev
234180	CVL-HN-01169	01



PLAN



PROFILE

STATIONING	HN2 30+00	HN2 40+00	HN2 50+00	HN2 60+00	HN2 70+00	HN2 80+00	HN2 86+00																						
HOR. ALIGNMENT																													
VER. ALIGNMENT																													
CUT AND FILL	+1.8	+1.8	+5.8	+18.3	+24.2	+24.8	+25.1	+25.8	+27.4	+29.6	+30.3	+30.8	+32.3	+25.5	+29.2	+34.0	+35.0	+32.1	+35.5	+39.1	+37.1	+33.1	+33.6	+38.6	+36.8	+32.1	+20.1	+5.8	+1.8
TYP. SECTION	CUT (H)															VIADUCT (E)										(G)		(H)	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019



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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

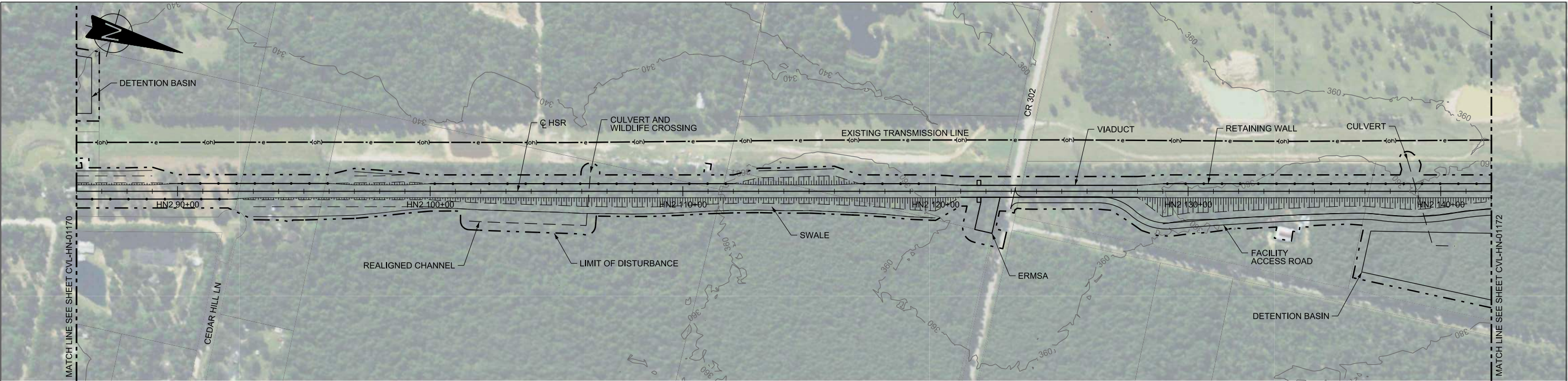


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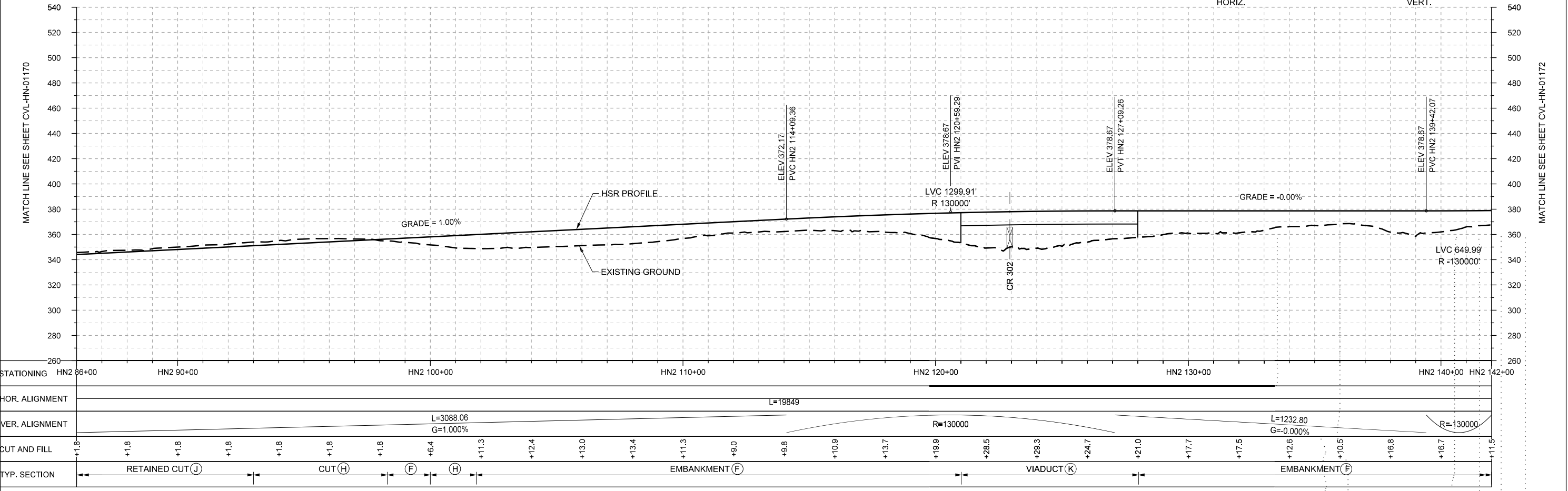
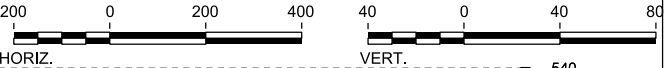
Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 30+00 TO HN2 86+00**

Scale	AS SHOWN
Drawing Status	FINAL
Job No	234180
Drawing No	CVL-HN-01170
Rev	01

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10



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

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Drawing Title

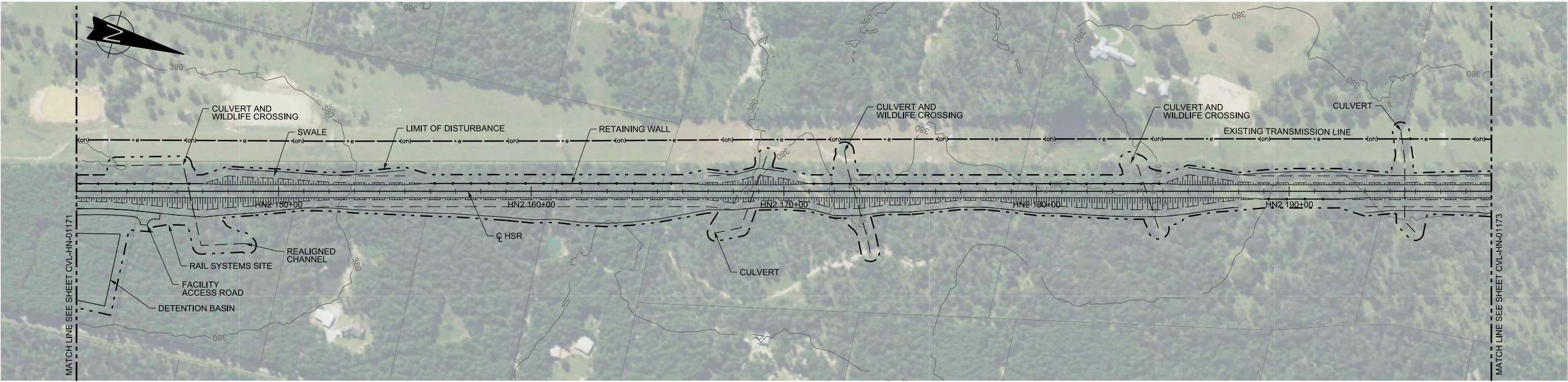
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 86+00 TO HN2 142+00**

Scale
AS SHOWN

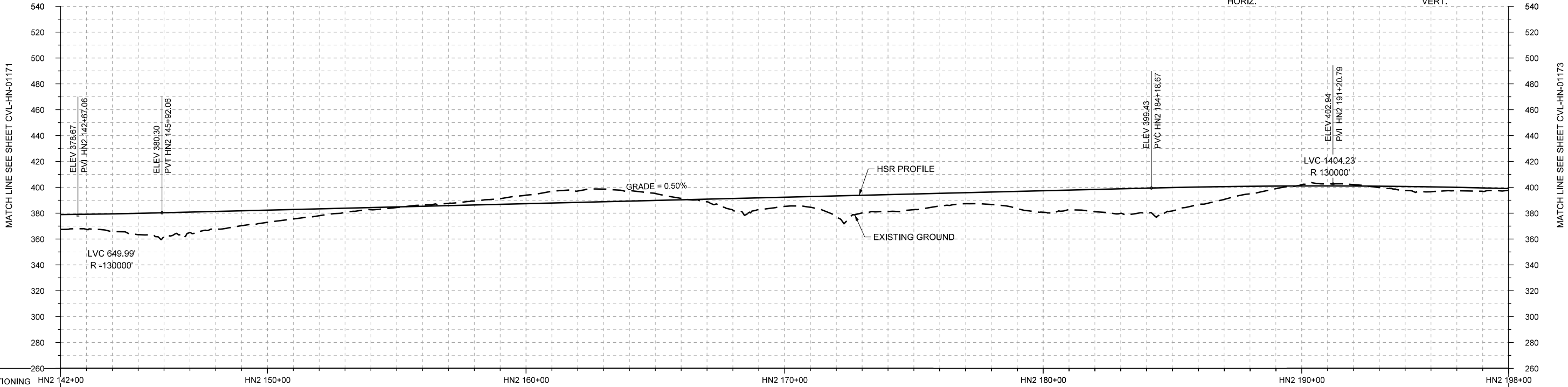
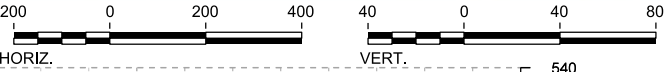
Drawing Status
FINAL

Job No 234180	Drawing No CVL-HN-01171	Rev 01
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PLAN



PROFILE

STATIONING	HN2 142+00	HN2 150+00	HN2 160+00	HN2 170+00	HN2 180+00	HN2 190+00	HN2 198+00
HOR. ALIGNMENT	L=19849						
VER. ALIGNMENT	L=3826.61 G=0.500% R=130000						
CUT AND FILL	+11.5	+13.8	+18.3	+13.5	+9.3	+5.3	+1.8
TYP. SECTION	EMBANKMENT (F) CUT (H) EMBANKMENT (F) CUT (H)						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

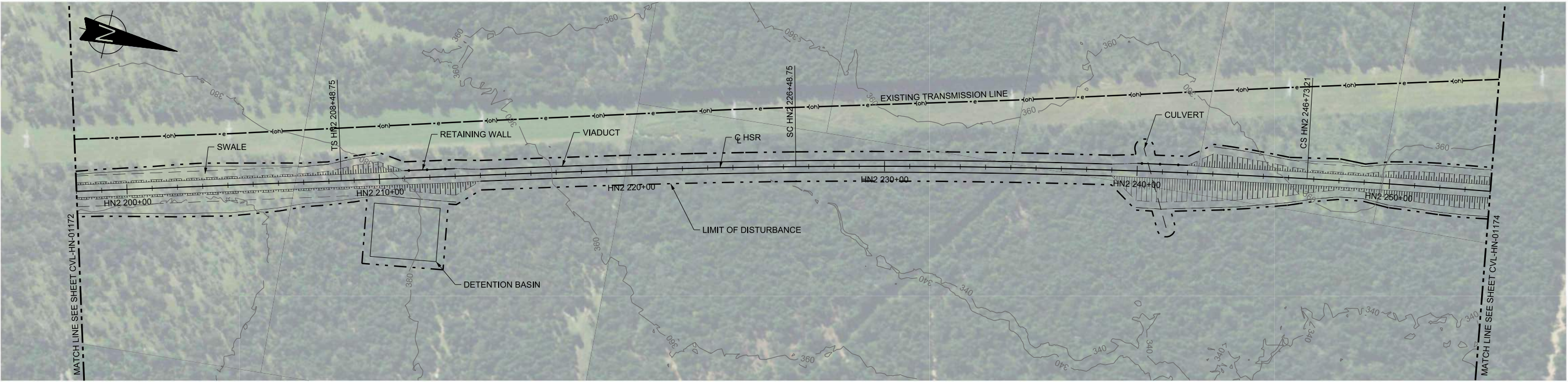


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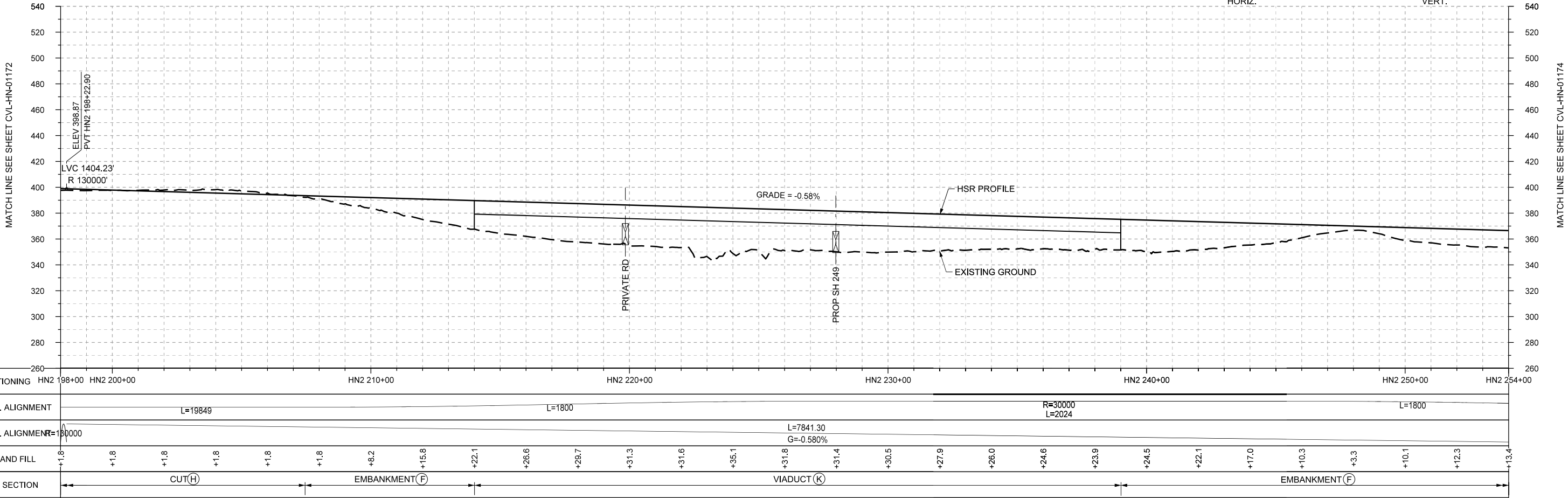
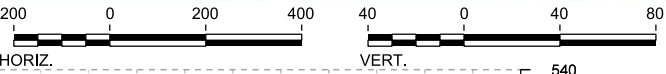
Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 142+00 TO HN2 198+00**

Scale AS SHOWN	Drawing Status FINAL	
Job No 234180	Drawing No CVL-HN-01172	Rev 01

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PLAN



PROFILE

STATIONING	HN2 198+00	HN2 200+00		HN2 210+00		HN2 220+00		HN2 230+00		HN2 240+00		HN2 250+00	HN2 254+00															
HOR. ALIGNMENT	L=19849				L=1800				R=30000 L=2024				L=1800															
VER. ALIGNMENT	R=130000				L=7841.30 G=-0.580%																							
CUT AND FILL	+1.8	+1.8	+1.8	+1.8	+1.8	+8.2	+15.8	+22.1	+26.6	+29.7	+31.3	+31.6	+35.1	+31.8	+31.4	+30.5	+27.9	+26.0	+24.6	+23.9	+24.5	+22.1	+17.0	+10.3	+3.3	+10.1	+12.3	+13.4
TYP. SECTION	CUT(H)				EMBANKMENT(F)				VIADUCT(K)				EMBANKMENT(F)															

REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE 02/25/2019

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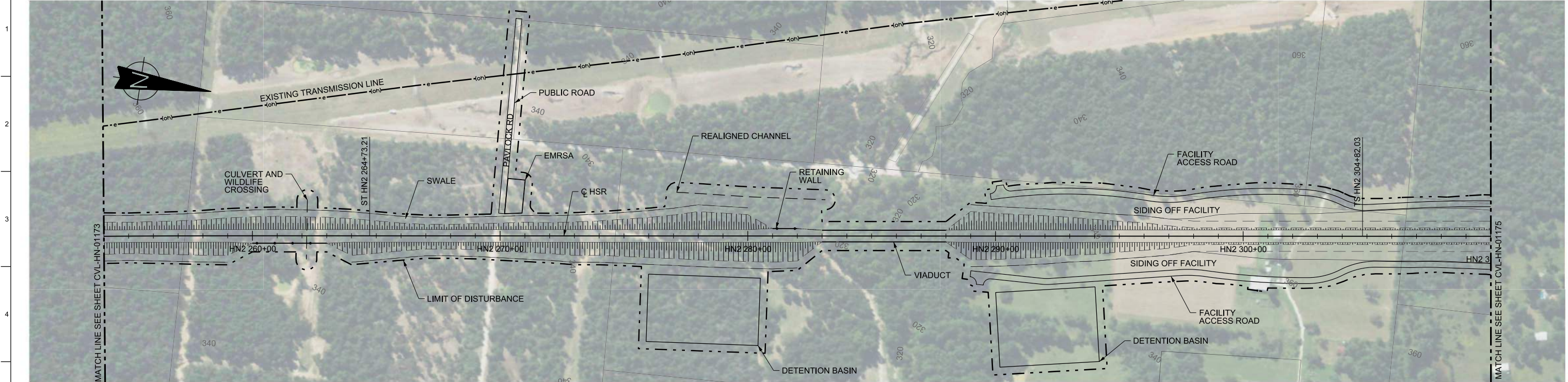
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



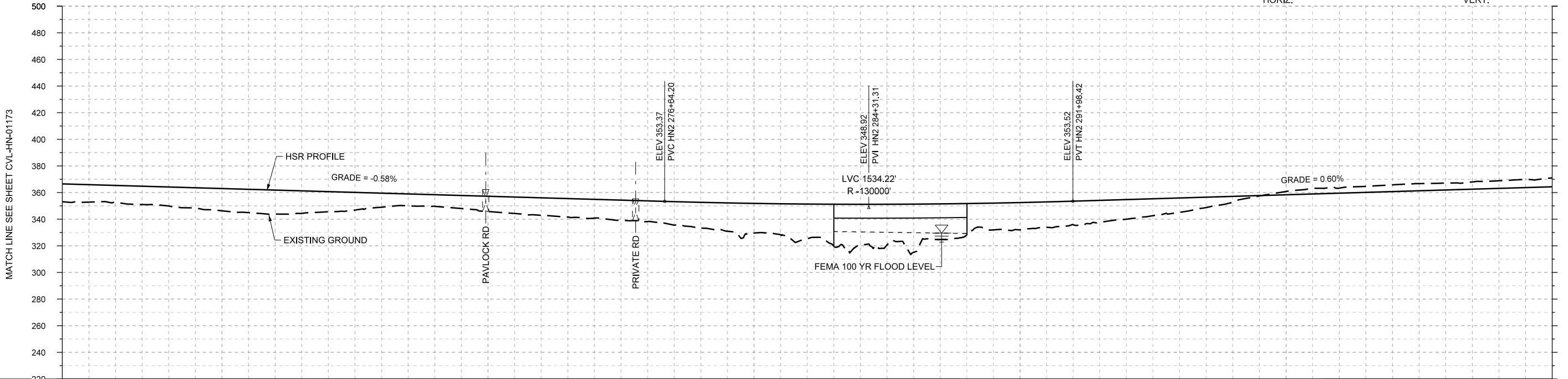
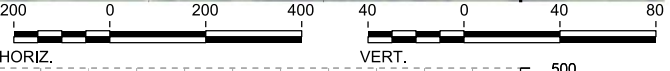
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 198+00 TO HN2 254+00**

Scale AS SHOWN		
Drawing Status FINAL		
Job No 234180	Drawing No CVL-HN-01173	Rev 01



PLAN



STATIONING	HN2 254+00	HN2 260+00	HN2 270+00	HN2 280+00	HN2 290+00	HN2 300+00	HN2 310+00																				
HOR. ALIGNMENT	L=1800		L=4009			L=1800																					
VER. ALIGNMENT	L=7841.30 G=-0.580%		R=130000			L=5803.00 G=0.600%																					
CUT AND FILL	+13.4	+12.6	+14.3	+16.7	+18.1	+15.1	+10.5	+6.8	+1.5	+13.2	+14.1	+15.5	+19.3	+22.3	+26.1	+30.4	+36.2	+23.6	+20.5	+17.7	+14.7	+10.7	+4.4	+1.8	+1.8	+1.8	+1.8
TYP. SECTION	EMBANKMENT (F)										VIADUCT (K)		EMBANKMENT (F)					CUT (H)									

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

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FINAL CONCEPTUAL ENGINEERING



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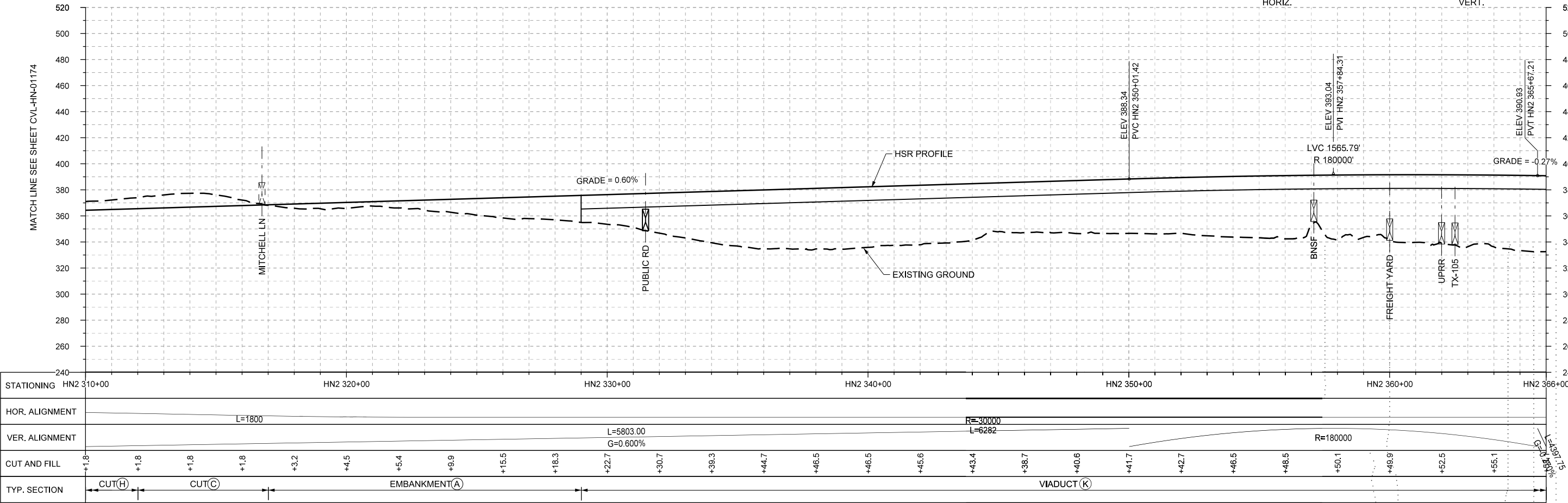
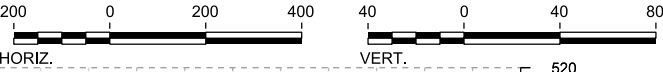
Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 254+00 TO HN2 310+00**

Scale AS SHOWN	Drawing Status FINAL		
Job No 234180	Drawing No CVL-HN-01174	Rev 01	

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PLAN



PROFILE

STATIONING	HN2 310+00		HN2 320+00				HN2 330+00				HN2 340+00				HN2 350+00				HN2 360+00				HN2 366+00					
HOR. ALIGNMENT																												
VER. ALIGNMENT																												
CUT AND FILL	+1.8	+1.8	+1.8	+1.8	+3.2	+4.5	+5.4	+6.9	+15.5	+18.3	+22.7	+30.7	+39.3	+44.7	+46.5	+46.5	+45.6	+43.4	+38.7	+40.6	+41.7	+42.7	+46.5	+48.5	+50.1	+49.9	+52.5	+55.1
TYP. SECTION	CUT(H)		CUT(C)		EMBANKMENT(A)										VIADUCT(K)										CUT(G)			

REV	DATE	BY	CHK	APP	DESCRIPTION

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DATE 02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 310+00 TO HN2 366+00**

Scale AS SHOWN	Drawing Status FINAL		
Job No 234180	Drawing No CVL-HN-01175	Rev 01	



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

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DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

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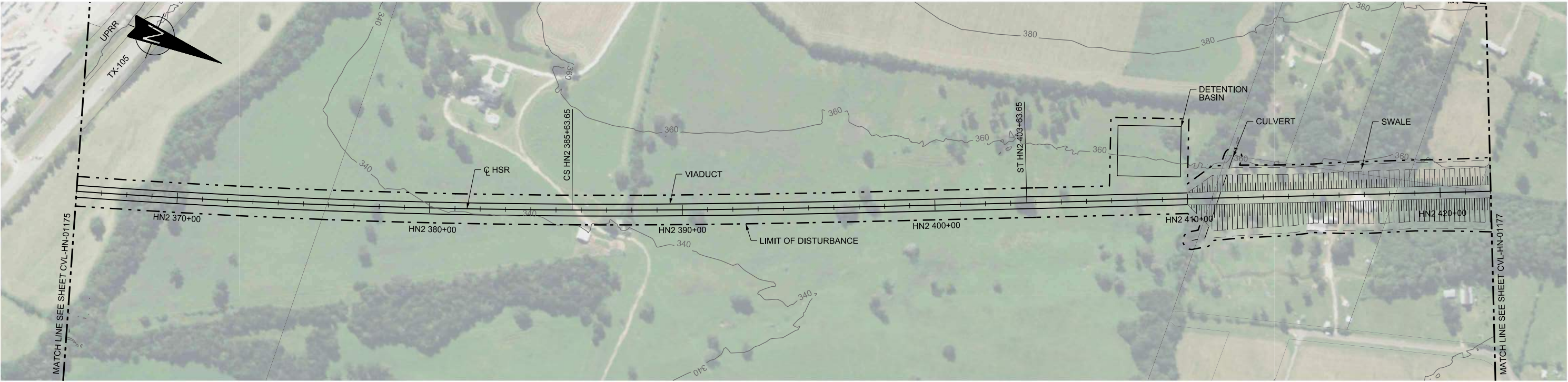
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



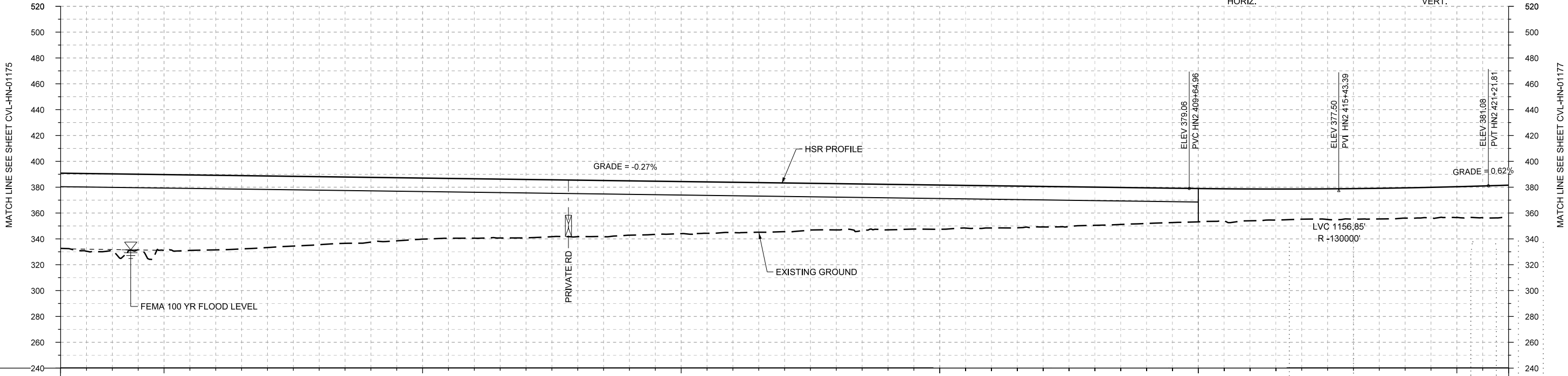
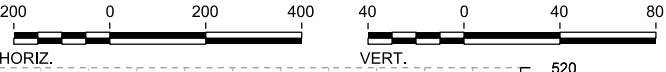
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN**

Scale AS SHOWN		
Drawing Status FINAL		
Job No 234180	Drawing No CVL-HN-01175-A	Rev 01

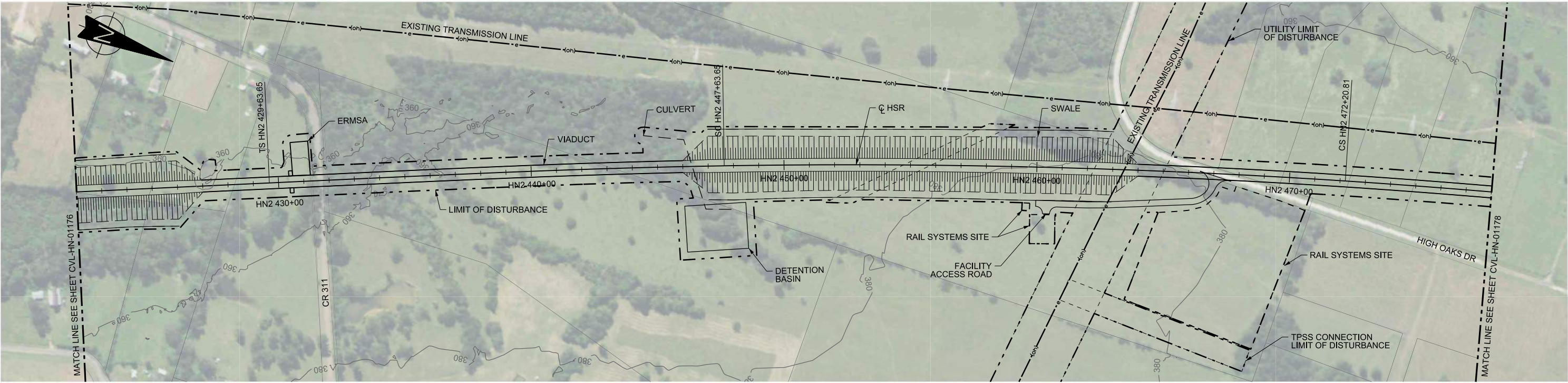


PLAN

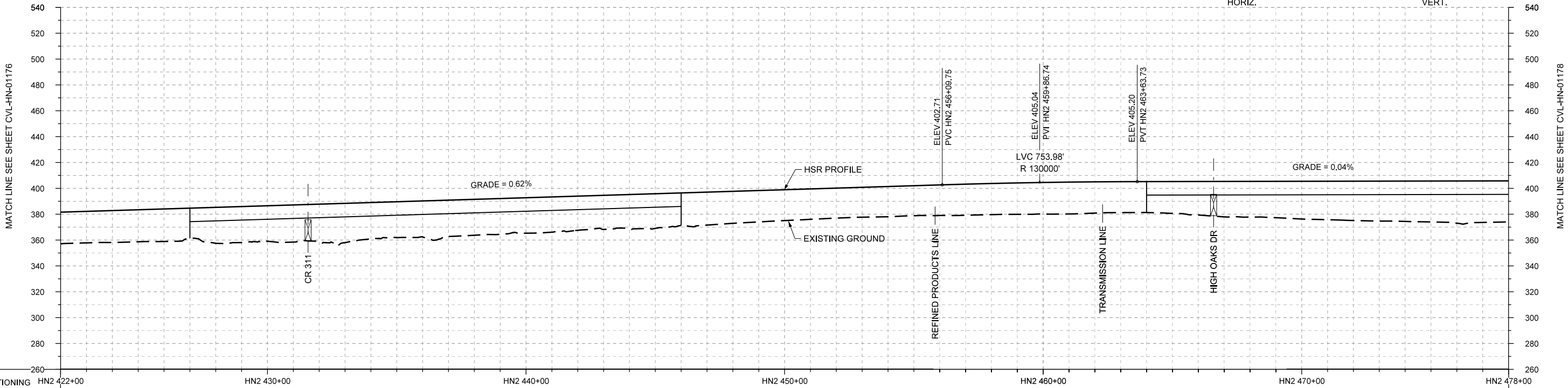
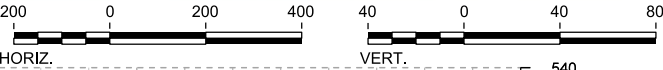


PROFILE

STATIONING	HN2 366+00	HN2 370+00	HN2 380+00	HN2 390+00	HN2 400+00	HN2 410+00	HN2 420+00	HN2 422+00																					
HOR. ALIGNMENT																													
VER. ALIGNMENT																													
CUT AND FILL	+58.1	+58.9	+58.7	+57.7	+55.4	+52.6	+50.1	+47.3	+46.0	+45.2	+43.7	+42.0	+40.3	+38.9	+37.7	+35.8	+35.2	+34.3	+32.7	+31.4	+29.5	+27.6	+25.8	+24.6	+23.3	+23.6	+23.4	+23.8	+24.5
TYP. SECTION																													



PLAN



PROFILE

STATIONING	HN2 422+00	HN2 430+00	HN2 440+00	HN2 450+00	HN2 460+00	HN2 470+00	HN2 478+00																						
HOR. ALIGNMENT	L=2600		L=1800		R=30000 L=2457		L=1800																						
VER. ALIGNMENT			L=3487.94 G=0.620%		R=130000		L=5674.90 G=0.040%																						
CUT AND FILL	+24.5	+24.7	+25.1	+27.8	+27.4	+29.1	+28.1	+27.8	+27.8	+27.4	+26.5	+26.7	+25.0	+24.8	+23.8	+23.2	+23.4	+23.6	+24.0	+24.4	+24.2	+23.9	+25.9	+27.4	+29.1	+30.4	+31.2	+32.6	+31.8
TYP. SECTION	EMBANKMENT (F)		VIADUCT (K)		EMBANKMENT (F)		VIADUCT (K)																						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

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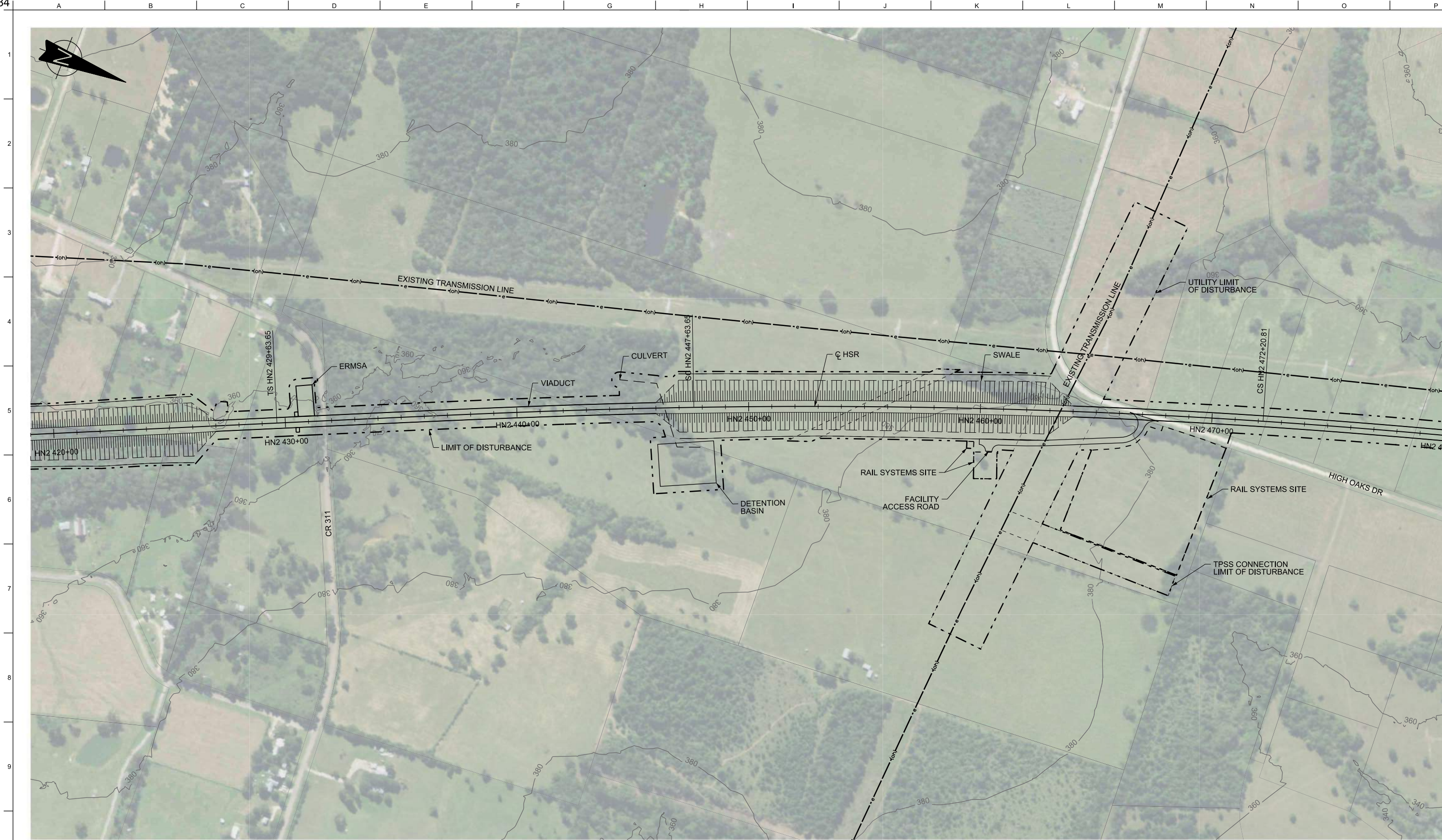
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 422+00 TO HN2 478+00**

Scale AS SHOWN		
Drawing Status FINAL		
Job No 234180	Drawing No CVL-HN-01177	Rev 01



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN**

Scale
AS SHOWN

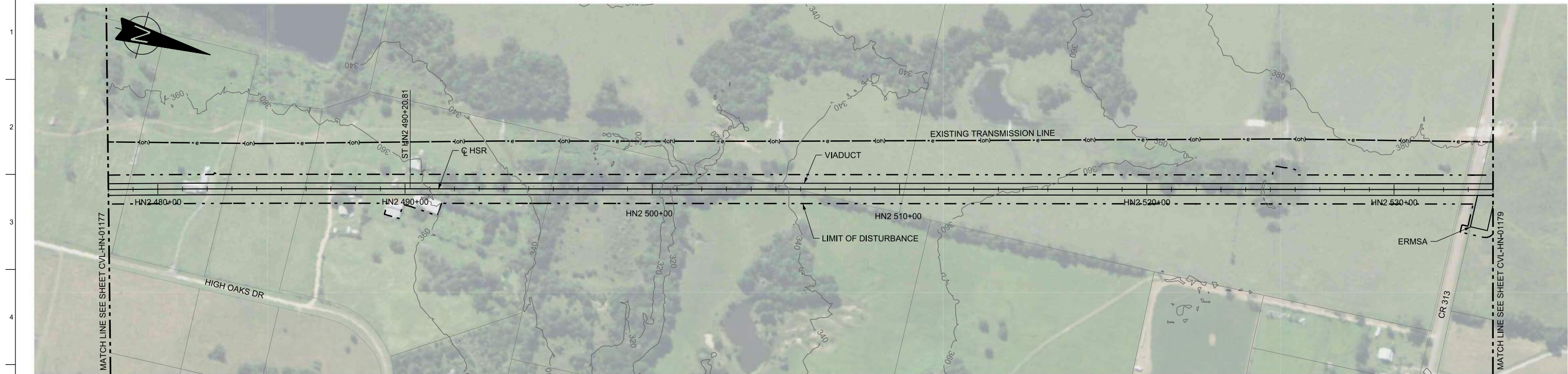
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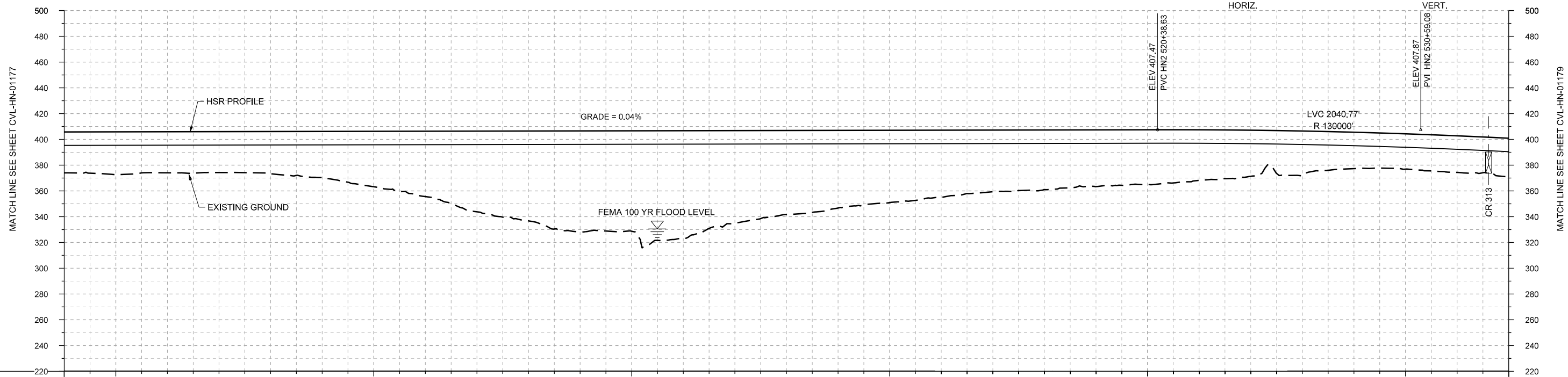
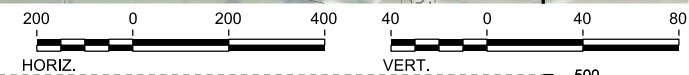
Job No
234180

Drawing No
CVL-HN-01177-A

Rev
01



PLAN



STATIONING	HN2 478+00	HN2 480+00	HN2 490+00	HN2 500+00	HN2 510+00	HN2 520+00	HN2 530+00	HN2 534+00																					
HOR. ALIGNMENT																													
VER. ALIGNMENT																													
CUT AND FILL	+31.8	+33.2	+31.8	+31.7	+32.8	+35.9	+43.0	+50.7	+62.6	+69.8	+78.3	+77.9	+83.8	+71.9	+65.1	+60.3	+56.0	+52.2	+47.8	+46.3	+44.1	+42.4	+39.2	+35.7	+34.3	+25.2	+27.4	+28.3	+29.9
TYP. SECTION																													

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
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IN CHARGE	C. TAYLOR
DATE	02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

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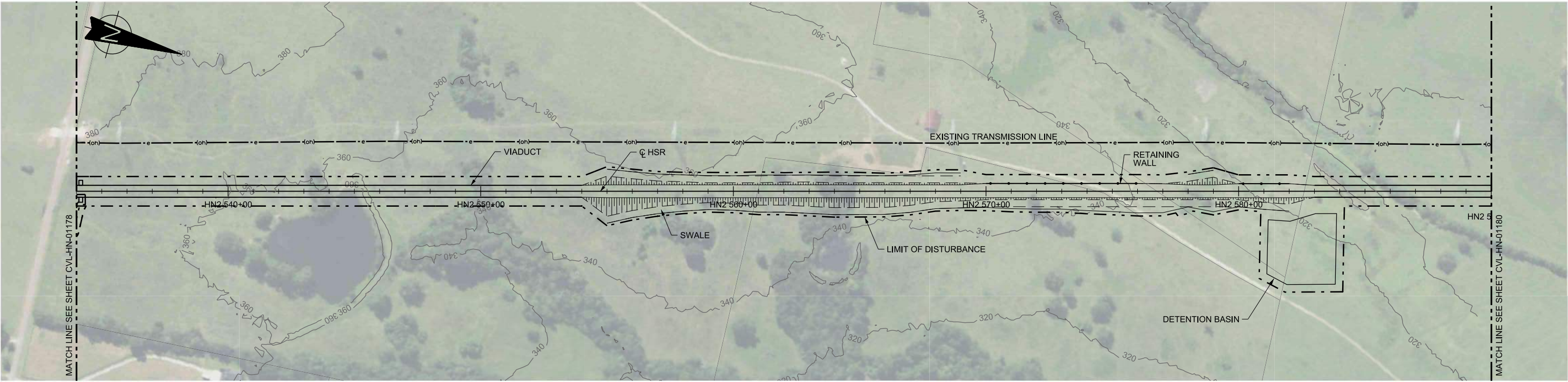
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HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 478+00 TO HN2 534+00

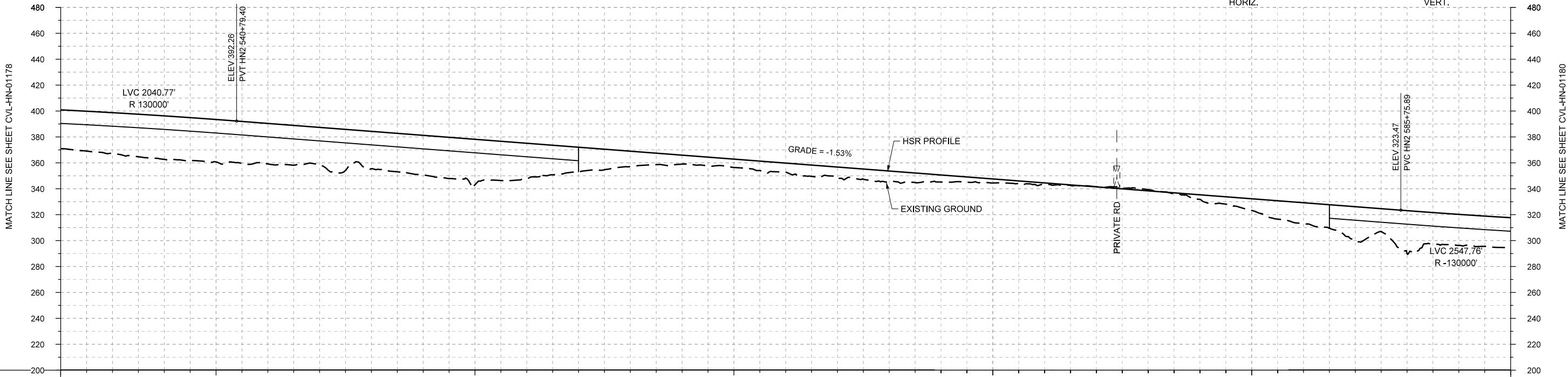
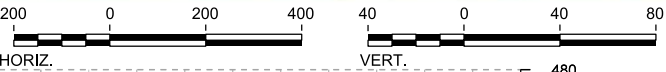
Scale
AS SHOWN

FINAL		
Job No	Drawing No	Rev
234180	CVL-HN-01178	0

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PLAN



PROFILE

STATIONING	HN2 534+00	HN2 540+00	HN2 550+00	HN2 560+00	HN2 570+00	HN2 580+00	HN2 590+00
HOR. ALIGNMENT	L=12640						
VER. ALIGNMENT	L=4496.49 G=-1.530% R=130000						
CUT AND FILL	+29.9	+31.4	+33.5	+32.8	+31.3	+28.9	+23.1
TYP. SECTION	VIADUCT (K) EMBANKMENT (F) CUT (H) VIADUCT (K)						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
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IN CHARGE C. TAYLOR
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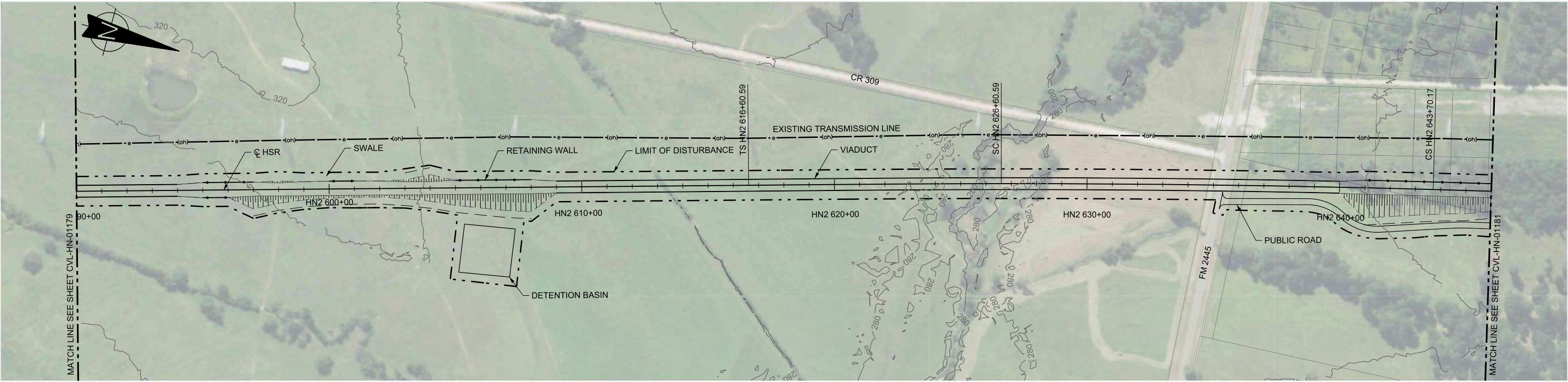
2711 North Haskell Ave., Suite 3300
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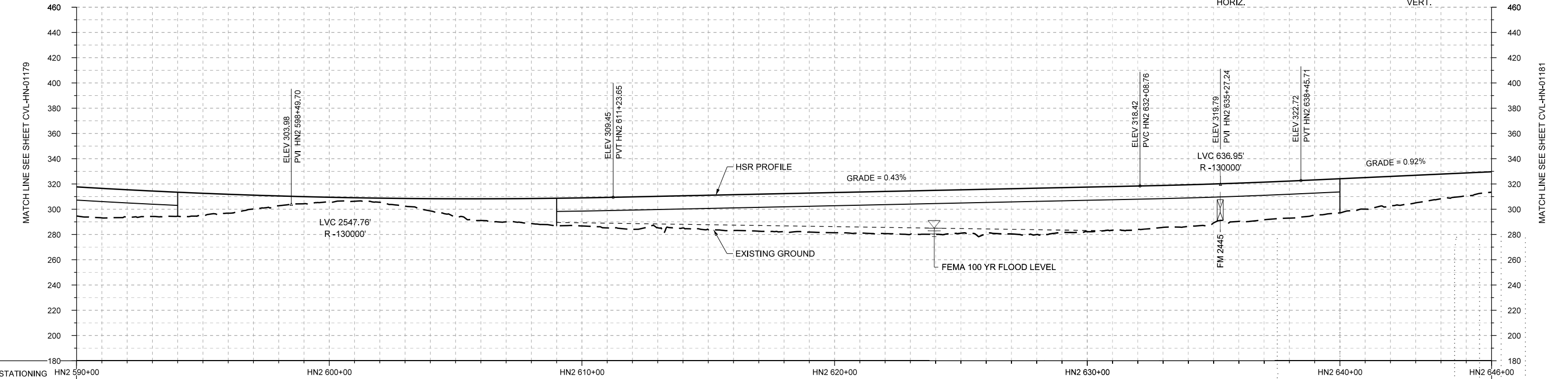
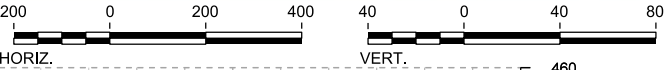
Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 534+00 TO HN2 590+00**

Scale AS SHOWN	Drawing Status FINAL	
Job No 234180	Drawing No CVL-HN-01179	Rev 01

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PLAN



PROFILE

STATIONING	HN2 590+00	HN2 600+00	HN2 610+00	HN2 620+00	HN2 630+00	HN2 640+00	HN2 646+00
HOR. ALIGNMENT	L=12640						L=1000
VER. ALIGNMENT	R=130000						L=2085.10 G=0.430%
CUT AND FILL	+23.1	+21.8	+19.1	+14.9	+7.7	+4.3	+3.3
TYP. SECTION	VIADUCT (K)						EMBANKMENT (F)

REV	DATE	BY	CHK	APP	DESCRIPTION

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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Drawing Title

**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 590+00 TO HN2 646+00**

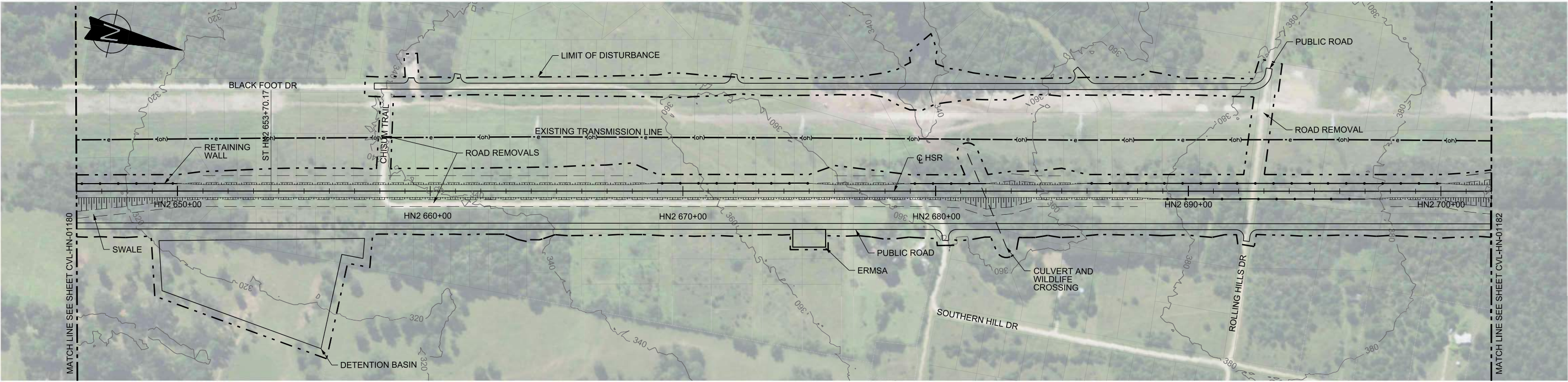
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AS SHOWN

Drawing Status

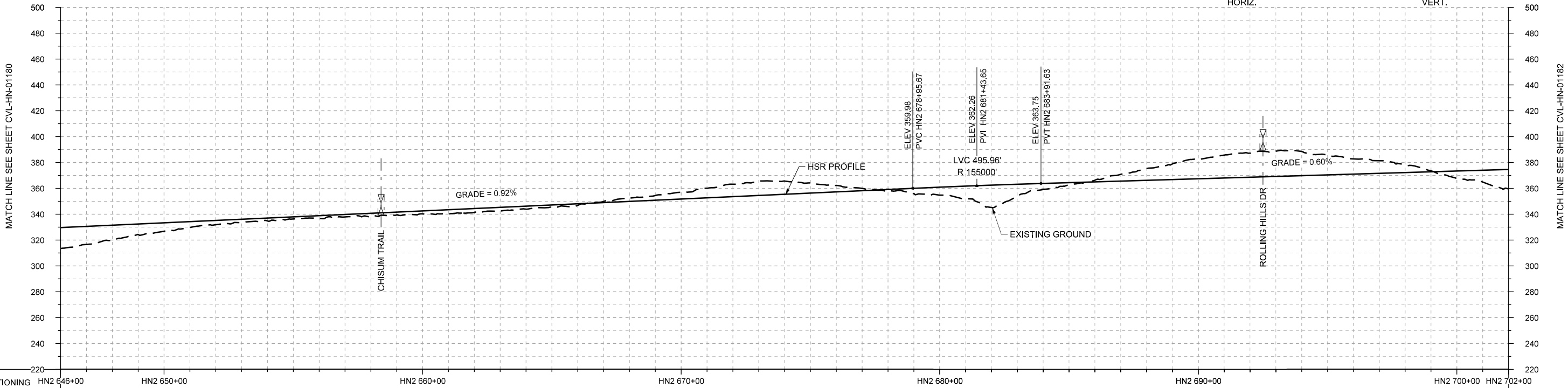
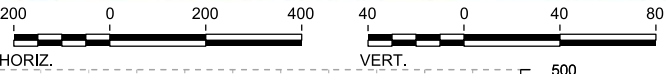
FINAL

Job No 234180	Drawing No CVL-HN-01180	Rev 01
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PLAN



PROFILE

STATIONING	HN2 646+00	HN2 650+00	HN2 660+00	HN2 670+00	HN2 680+00	HN2 690+00	HN2 700+00	HN2 702+00
HOR. ALIGNMENT	L=1000		L=44690					
VER. ALIGNMENT			L=4049.96 G=0.920%		R=155000		L=4264.22 G=0.600%	
CUT AND FILL	+16.2	+11.6	+6.5	+3.4	+1.8	+1.8	+1.8	+1.8
TYP. SECTION	EMBAKMENT (F)		CUT (H)				RETAINED CUT (J)	CUT (H) (F)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019



Arup Texas, Inc.
10370 Richmond Ave., Suite 475
Houston, Texas 77042 USA
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www.arup.com
Texas Registered Engineering Firm: F-1990



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Dallas, Texas 75204
Tel (214) 217 2200 Fax (214) 217 2201
www.freese.com
Texas Registered Engineering Firm: F-2144

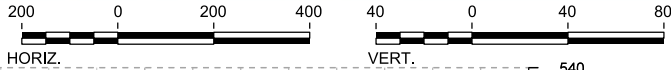
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 646+00 TO HN2 702+00**

Scale AS SHOWN		
Drawing Status FINAL		
Job No 234180	Drawing No CVL-HN-01181	Rev 01

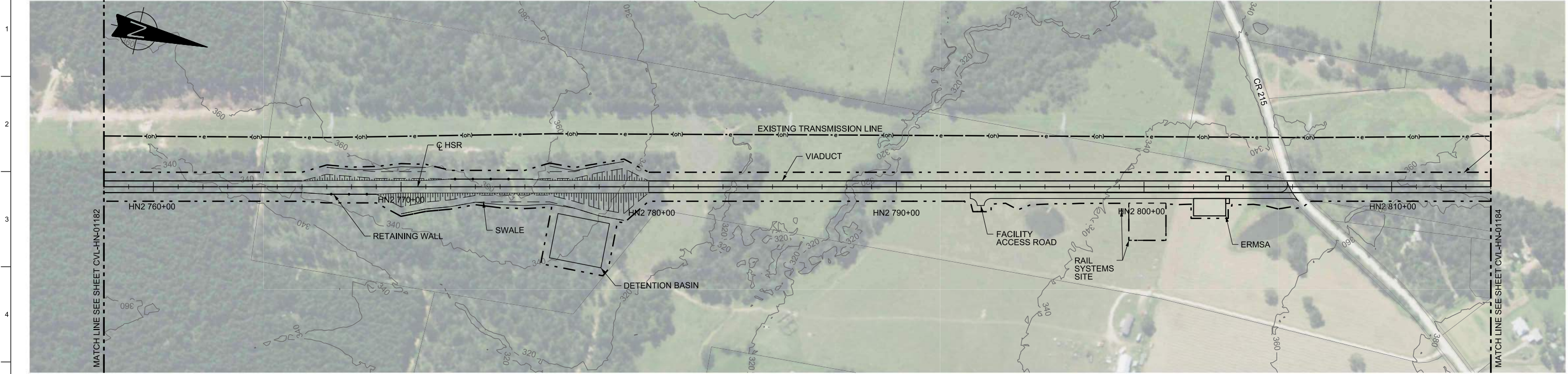


HORIZ.

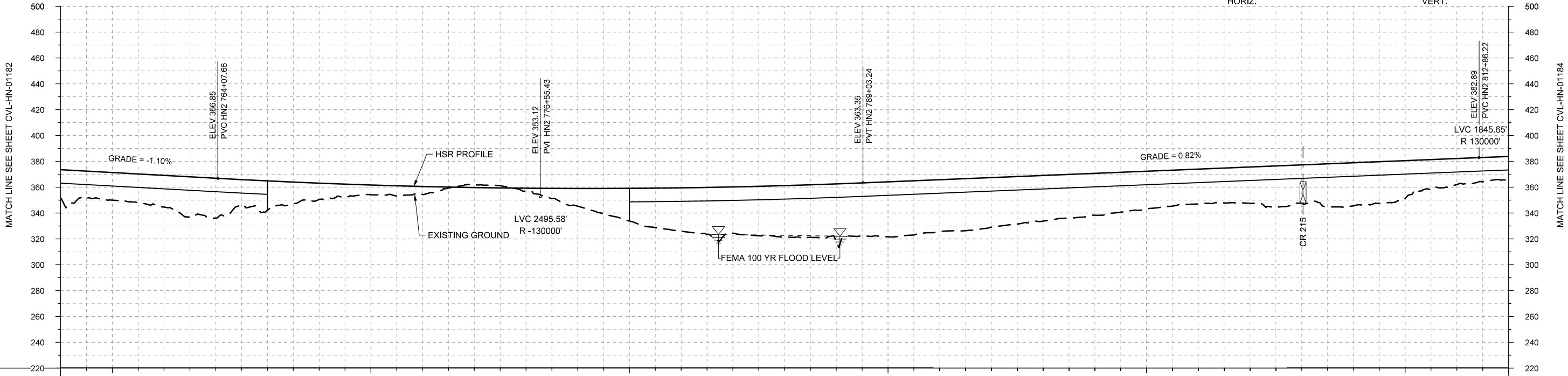
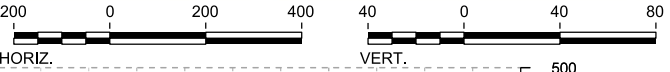


HORIZ.

HORIZ.



PLAN



PROFILE

STATIONING	HN2 758+00	HN2 760+00	HN2 770+00	HN2 780+00	HN2 790+00	HN2 800+00	HN2 810+00	HN2 814+00																					
HOR. ALIGNMENT	L=44690																												
VER. ALIGNMENT	L=1541.91 G=-1.100% R=130000 L=2382.98 G=0.820% R=130000																												
CUT AND FILL	+21.8	+21.3	+24.5	+30.8	+22.8	+12.6	+7.6	+6.2	+1.8	+1.8	+13.7	+25.3	+33.7	+35.8	+39.7	+45.2	+42.5	+40.1	+38.3	+35.3	+32.4	+28.9	+26.9	+28.0	+29.8	+33.3	+29.4	+20.1	+17.7
TYP. SECTION	VIADUCT (K)								CUT (J)								VIADUCT (K)												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019



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www.freese.com
Texas Registered Engineering Firm: F-2144

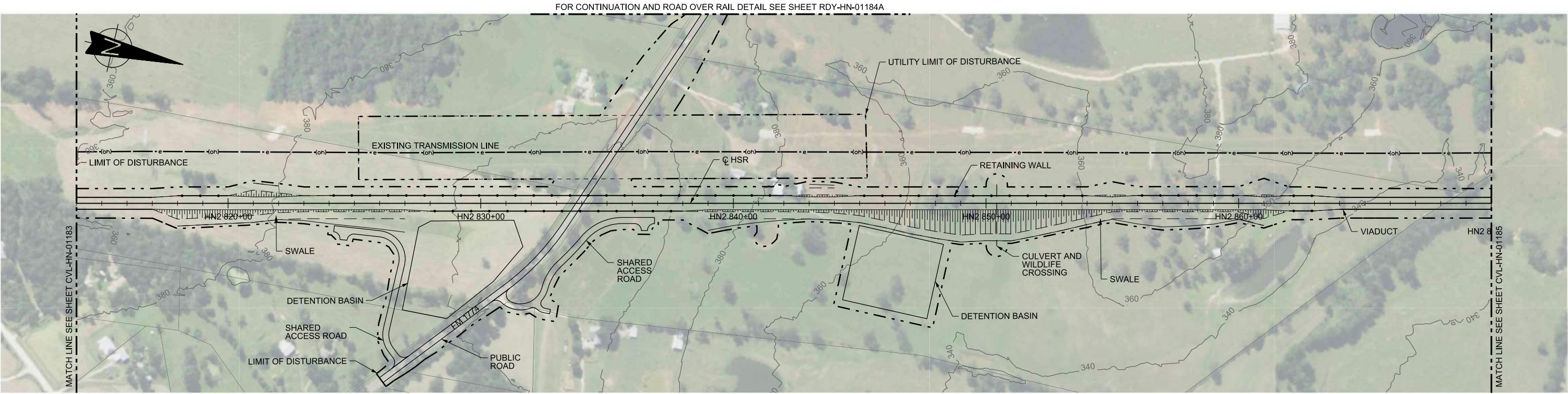
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



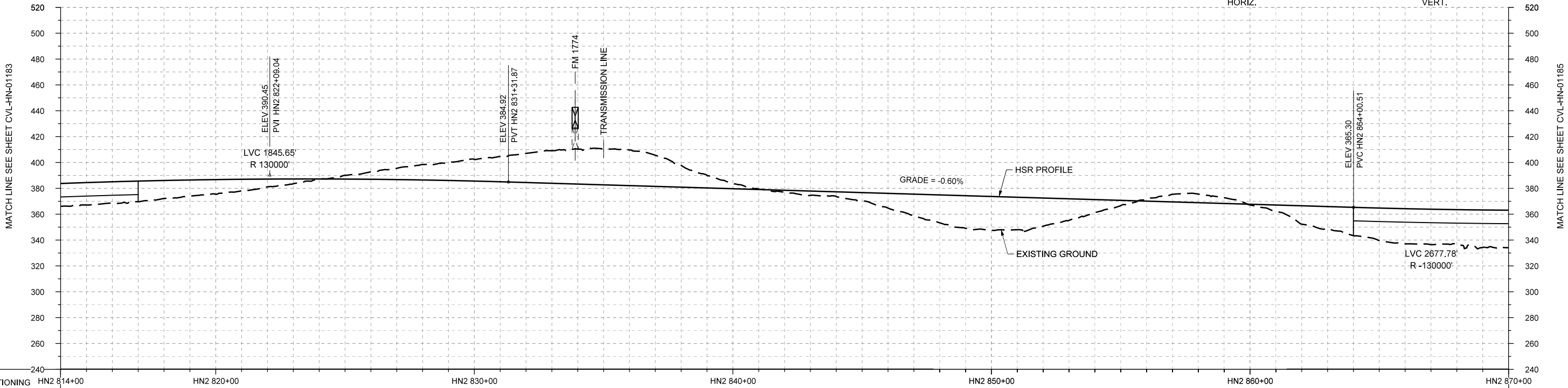
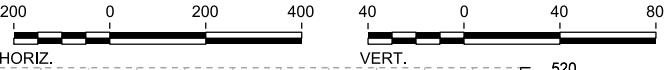
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Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 758+00 TO HN2 814+00**

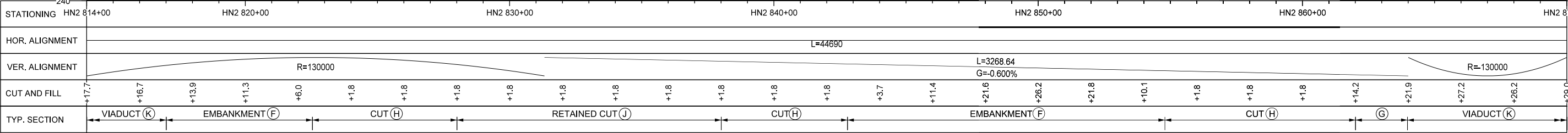
Scale	AS SHOWN
Drawing Status	FINAL
Job No	234180
Drawing No	CVL-HN-01183
Rev	01



PLAN



PROFILE



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

ARUP

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Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

TEXAS CENTRAL

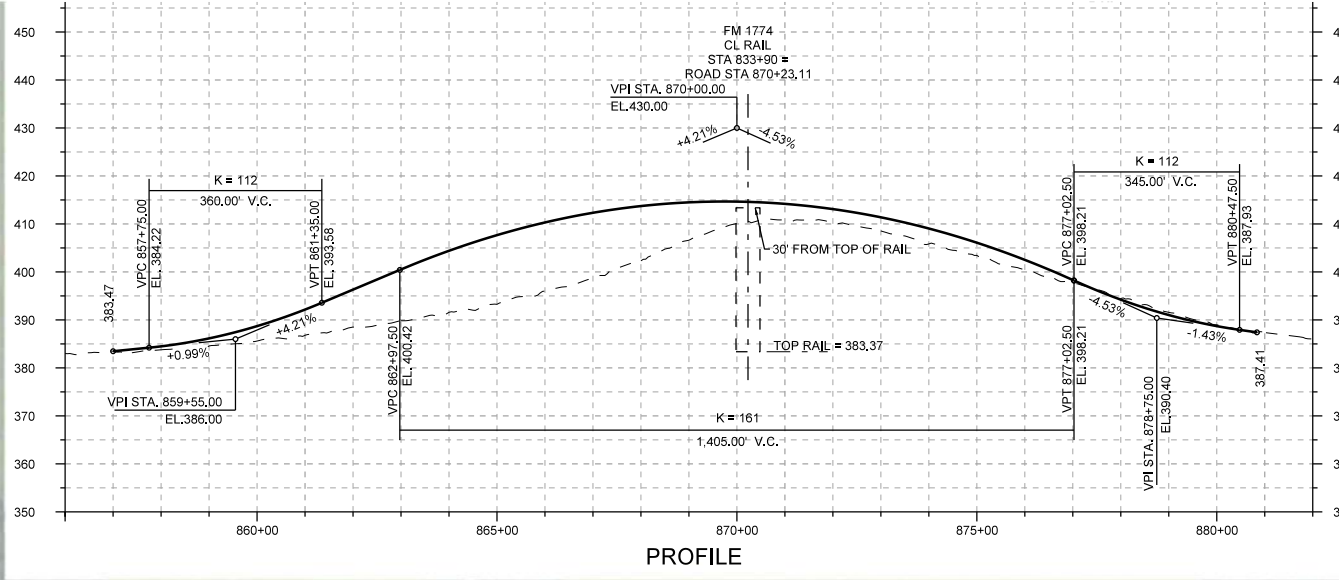
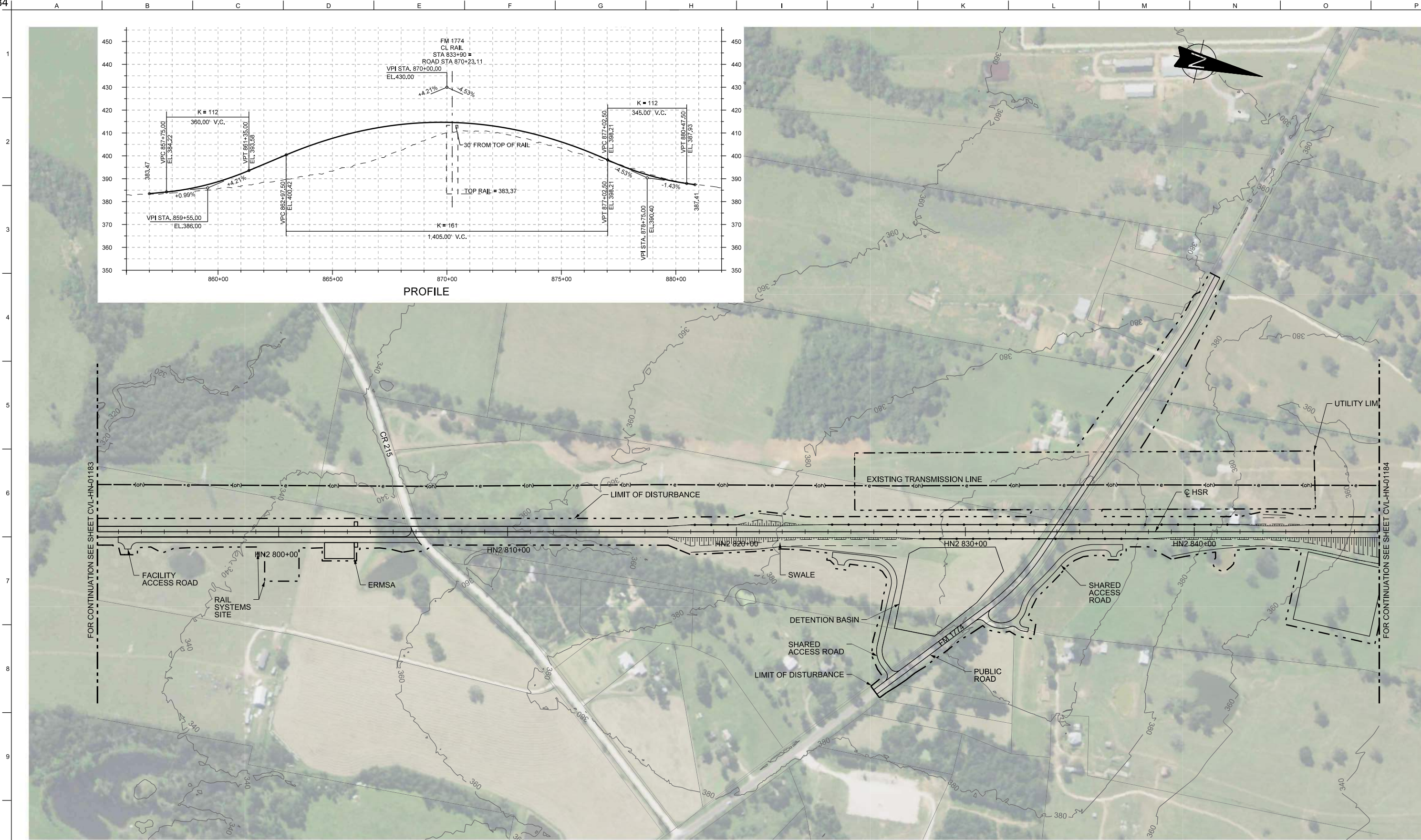
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 814+00 TO HN2 870+00**

Scale
AS SHOWN

Drawing Status
FINAL

Job No 234180	Drawing No CVL-HN-01184	Rev 01
-------------------------	-----------------------------------	------------------



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. SASSER
DRAWN BY S. SASSER
CHECKED BY G. VOWELS
IN CHARGE C. TAYLOR
DATE 2/25/2019

ARUP

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Houston, Texas 77042 USA
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& NICHOLS**

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Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN
FM 1774**

Scale
AS SHOWN

Drawing Status

FINAL

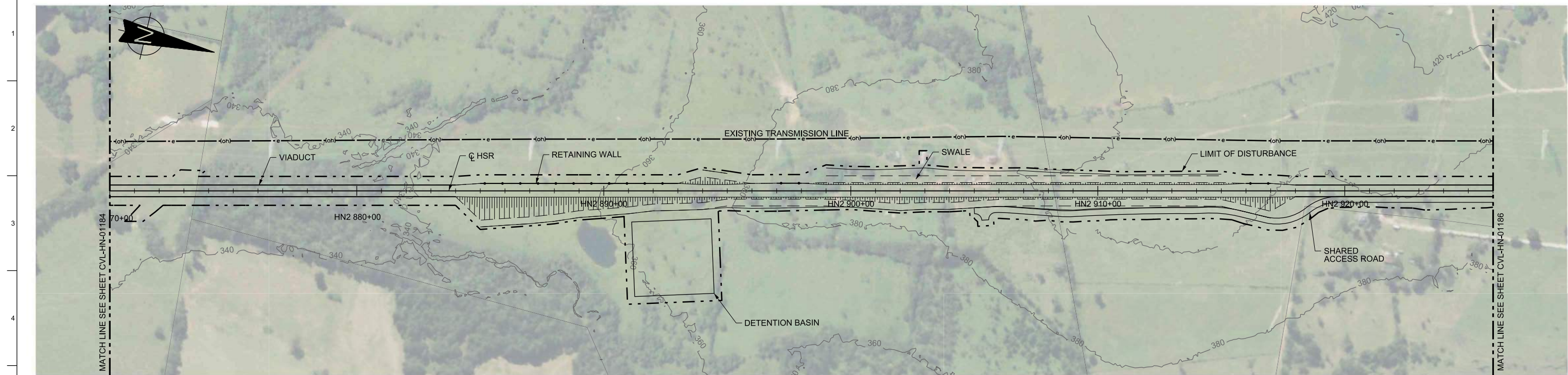
Job No

234180

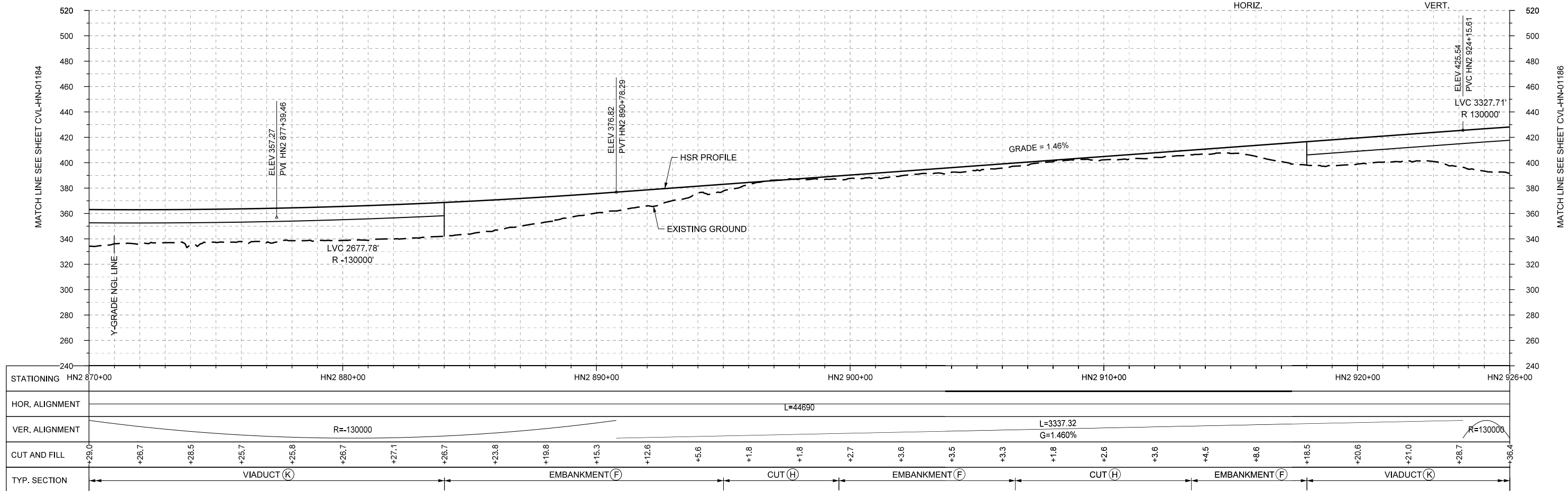
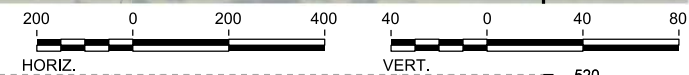
Drawing No

RDY-HN-01184A

Rev
01

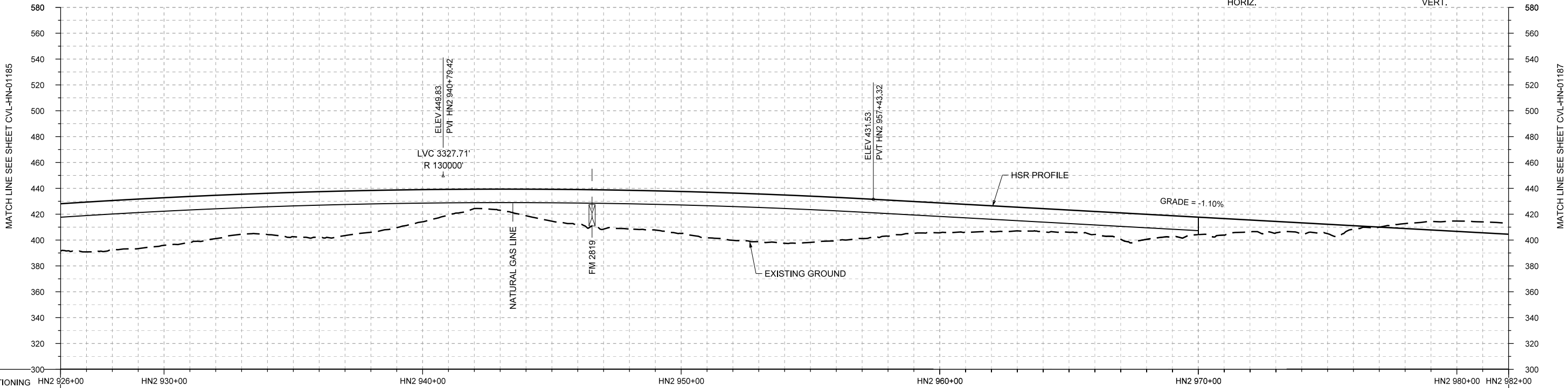


PLAN

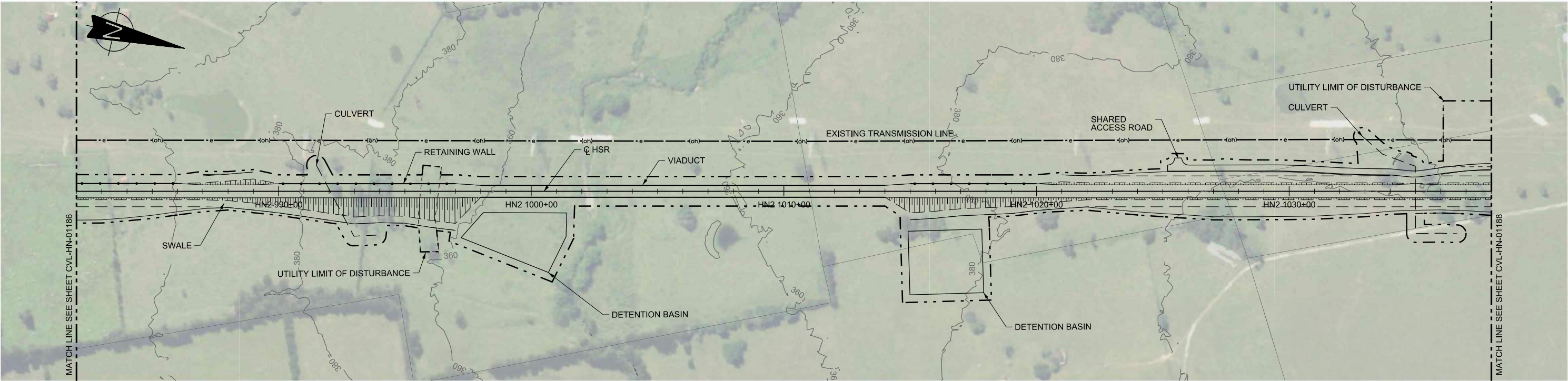


PROFILE

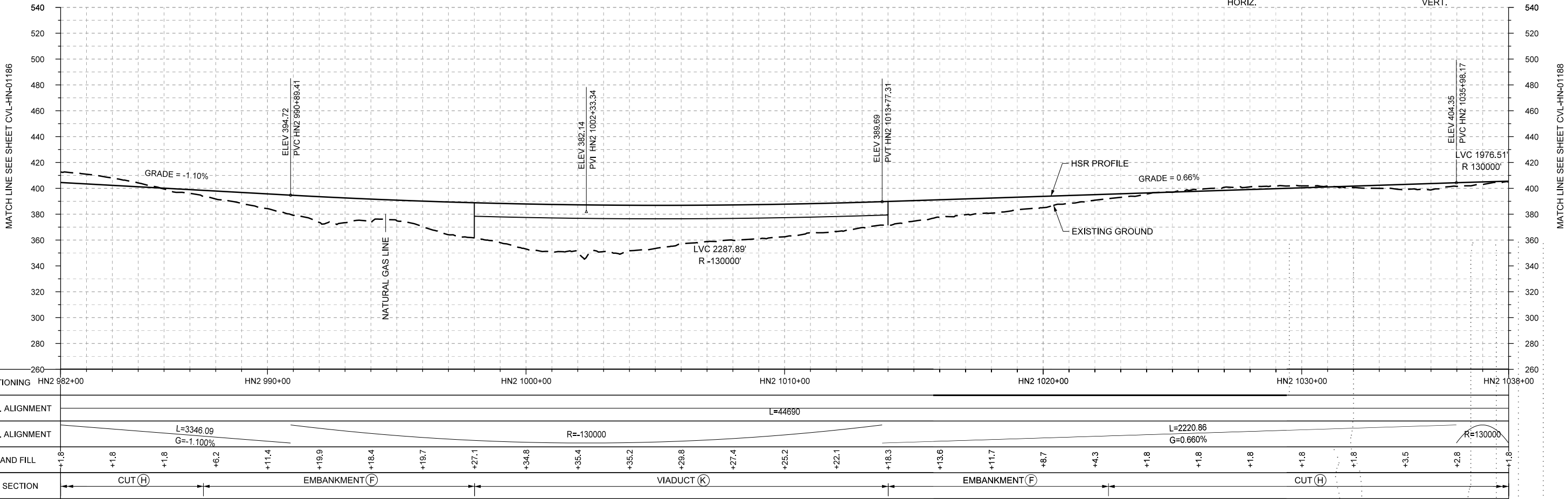
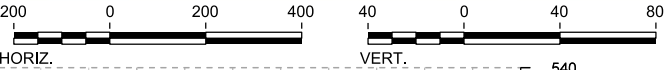
						DESIGNED BY B. STEELE	 Arup Texas, Inc. 10370 Richmond Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783-2787 Fax (713) 343-1467 www.arup.com Texas Registered Engineering Firm: F-1990  2711 North Haskell Ave., Suite 3300 Dallas, Texas 75204 Tel (214) 217-2200 Fax (214) 217-2201 www.freese.com Texas Registered Engineering Firm: F-2144  DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215 Drawing Title HOUSTON SEGMENT CIVIL PLAN AND PROFILE HN2 870+00 TO HN2 926+00 Scale AS SHOWN Drawing Status FINAL <table><tr><th>Job No</th><th>Drawing No</th><th>Rev</th></tr><tr><td>234180</td><td>CVL-HN-01185</td><td>01</td></tr></table>	Job No	Drawing No	Rev	234180	CVL-HN-01185	01
Job No	Drawing No	Rev											
234180	CVL-HN-01185	01											
						DRAWN BY J. BORGHESI							
						CHECKED BY K. SEYMOUR							
						IN CHARGE C. TAYLOR							
						DATE 02/25/2019							
REV	DATE	BY	CHK	APP	DESCRIPTION								



						DESIGNED BY B. STEELE	ARUP Arup Texas, Inc. 10370 Richmond Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783 2787 Fax (713) 343 1467 www.arup.com Texas Registered Engineering Firm: F-1990 FREESE AND NICHOLS 2711 North Haskell Ave., Suite 3300 Dallas, Texas 75204 Tel (214) 217 2200 Fax (214) 217 2201 www.freeze.com Texas Registered Engineering Firm: F-2144 DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING TEXAS CENTRAL 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215 Drawing Title HOUSTON SEGMENT CIVIL PLAN AND PROFILE HN2 926+00 TO HN2 982+00 Scale AS SHOWN Drawing Status FINAL Job No 234180 Drawing No CVL-HN-01186 Rev 01
						DRAWN BY J. BORGHESI	
						CHECKED BY K. SEYMOUR	
						IN CHARGE C. TAYLOR	
						DATE 02/25/2019	
REV	DATE	BY	CHK	APP	DESCRIPTION		



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

ARUP

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Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

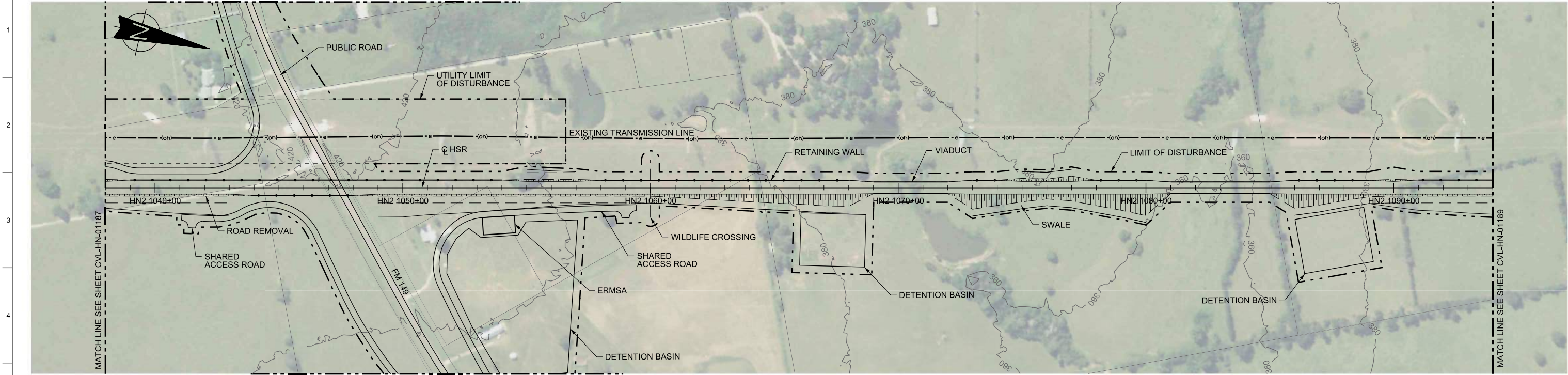
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 982+00 TO HN2 1038+00**

Scale
AS SHOWN

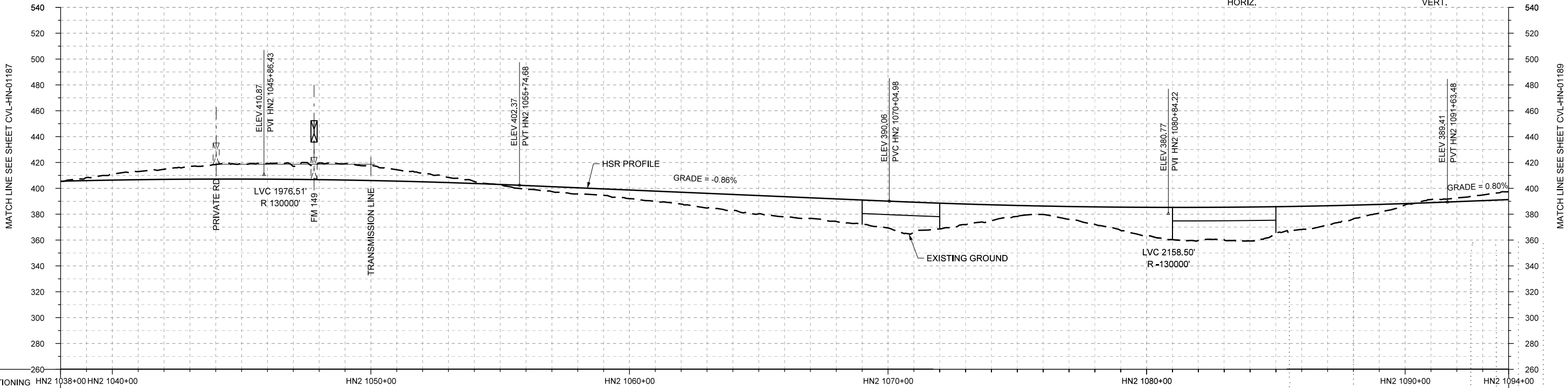
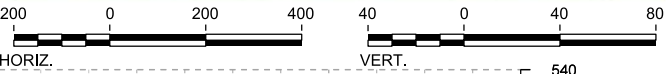
Drawing Status

FINAL

Job No	Drawing No	Rev
234180	CVL-HN-01187	01



PLAN



PROFILE

STATIONING	HN2 1038+00	HN2 1040+00	HN2 1050+00	HN2 1060+00	HN2 1070+00	HN2 1080+00	HN2 1090+00	HN2 1094+00
HOR. ALIGNMENT	L=44690							
VER. ALIGNMENT	R=130000							
CUT AND FILL	+1.8	+1.8	+1.8	+1.8	+1.8	+1.8	+1.8	+1.8
TYP. SECTION	CUT (H) RETAINED CUT (J) CUT (H) EMBANKMENT (F) VIADUCT (K) EMBANKMENT (F) VIADUCT (K) EMBANKMENT (F) CUT (H)							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019

ARUP

Arup Texas, Inc.
10370 Richmond Ave., Suite 475
Houston, Texas 77042 USA
Tel (713) 783 2787 Fax (713) 343 1467
www.arup.com
Texas Registered Engineering Firm: F-1990

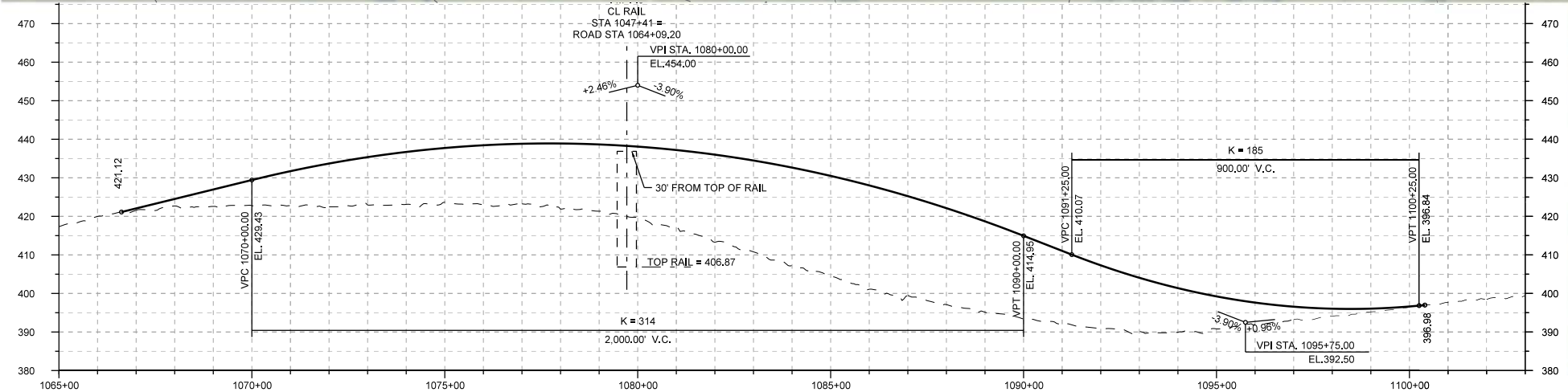
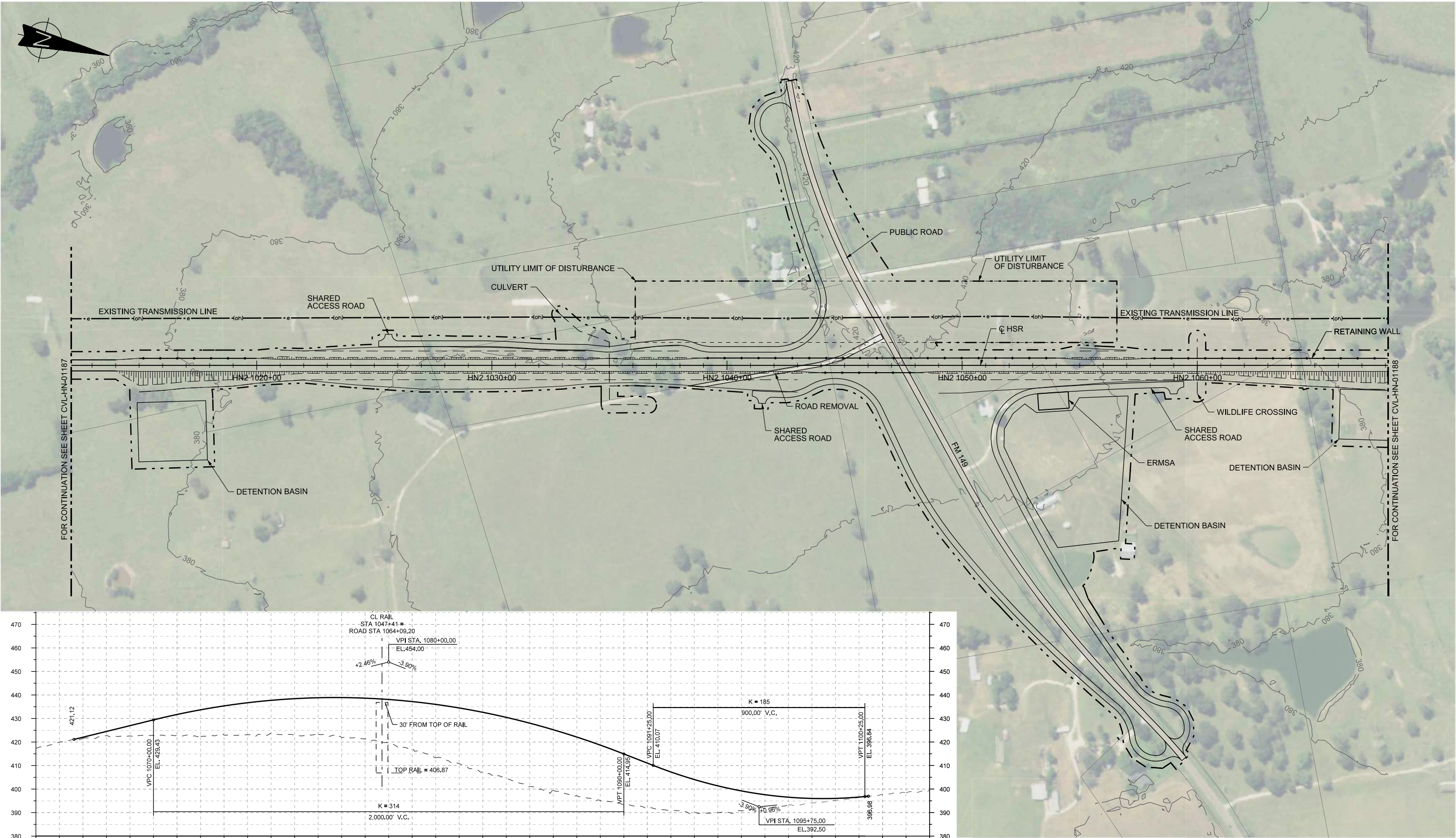
FRESE
NICHOLS

2711 North Haskell Ave., Suite 3300
Dallas, Texas 75204
Tel (214) 217 2200 Fax (214) 217 2201
www.freese.com
Texas Registered Engineering Firm: F-2144



Drawing Title
HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1038+00 TO HN2 1094+00

Scale	AS SHOWN
Drawing Status	FINAL
Job No	234180
Drawing No	CVL-HN-01188
Rev	01



PLAN
100 0 100 200

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. SASSER
DRAWN BY S. SASSER
CHECKED BY G. VOWELS
IN CHARGE C. TAYLOR
DATE 2/25/2019

ARUP

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2711 North Haskell Ave., Suite 3300
Dallas, Texas 75204
Tel (214) 217 2200 Fax (214) 217 2201
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Texas Registered Engineering Firm: F-2144

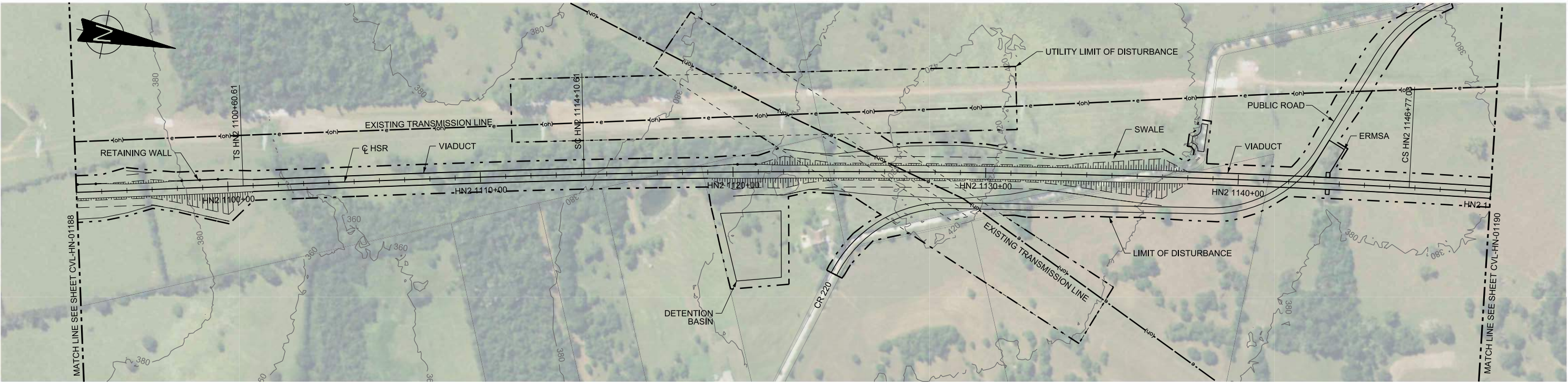
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



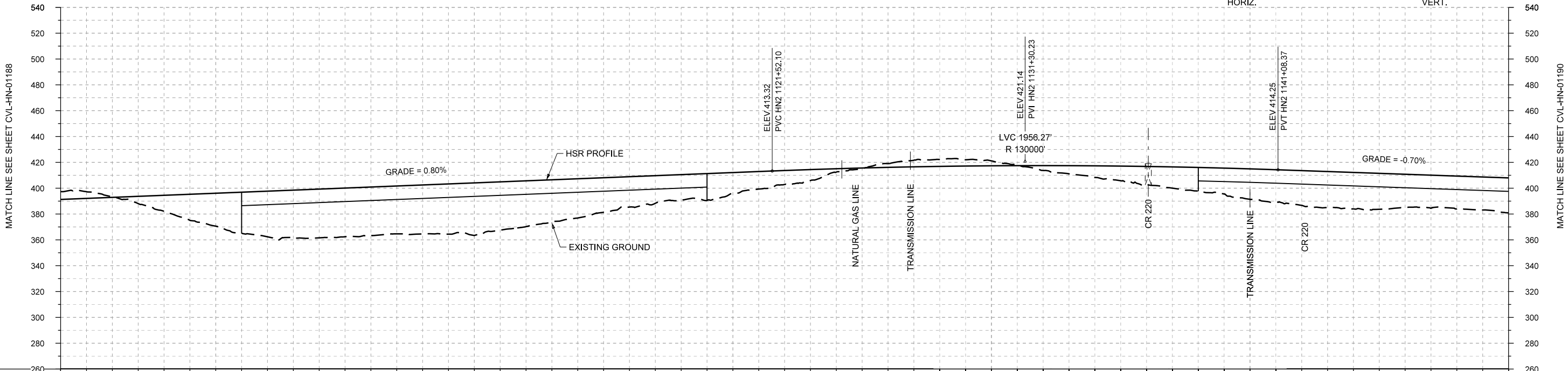
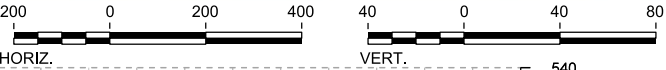
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title HOUSTON SEGMENT CIVIL HIGHWAY PLAN FM 149		
Scale AS SHOWN		
Drawing Status FINAL		
Job No 234180	Drawing No RDY-HN-01188A	Rev 01

1
2
3
4
5
6
7
8
9
10



PLAN



PROFILE

STATIONING	HN2 1094+00		HN2 1100+00		HN2 1110+00		HN2 1120+00		HN2 1130+00		HN2 1140+00		HN2 1150+00																
HOR. ALIGNMENT	L=44690		L=1350						R=42000 L=3266				L=1350																
VER. ALIGNMENT			L=2988.63 G=0.800%						R=130000				L=2420.65 G=-0.705%																
CUT AND FILL	+1.8	+1.8	+12.3	+25.5	+35.3	+37.7	+37.3	+37.9	+40.7	+35.5	+30.4	+23.5	+19.5	+16.2	+10.8	+2.6	+1.8	+1.8	+1.8	+3.8	+9.0	+14.2	+18.4	+23.6	+26.9	+28.2	+25.8	+25.4	+27.1
TYP. SECTION	(H)		EMBANKMENT (F)		VIADUCT (K)		EMBANKMENT (F)		CUT (H)		EMBANKMENT (F)		VIADUCT (K)																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

ARUP

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

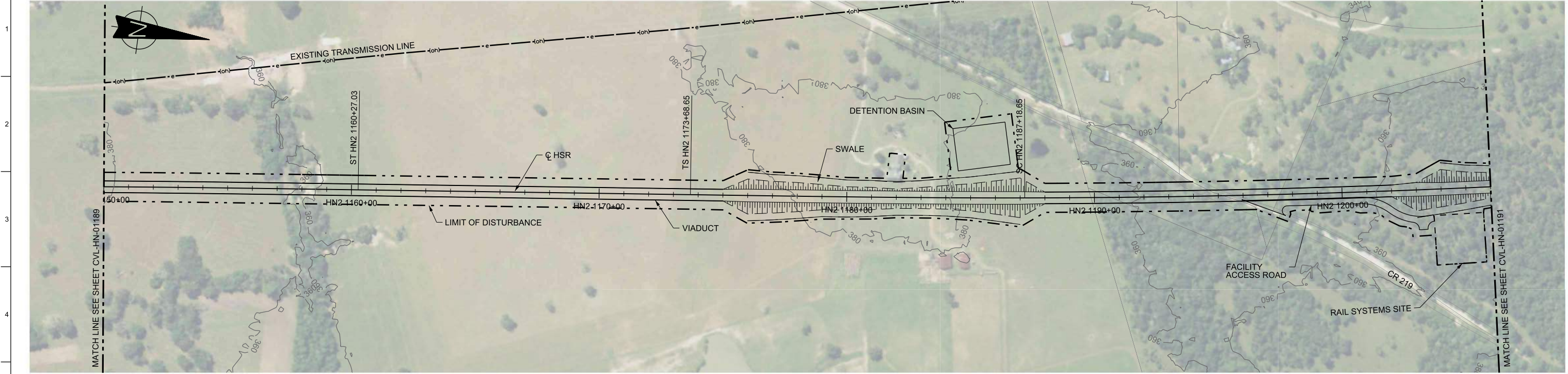
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



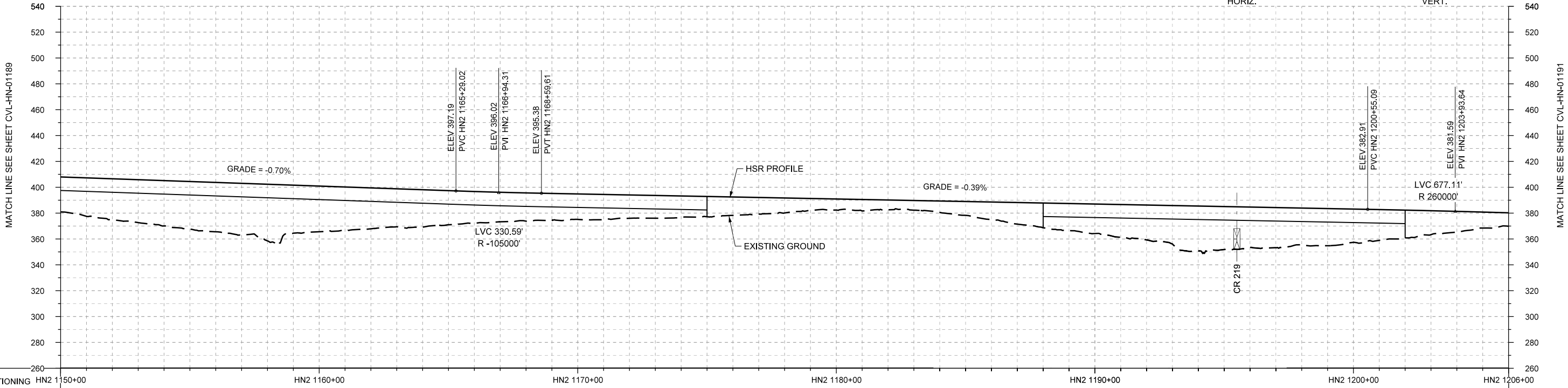
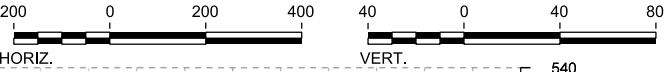
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1094+00 TO HN2 1150+00**

Scale AS SHOWN		
Drawing Status FINAL		
Job No 234180	Drawing No CVL-HN-01189	Rev 01



PLAN



STATIONING	HN2 1150+00	HN2 1160+00	HN2 1170+00	HN2 1180+00	HN2 1190+00	HN2 1200+00	HN2 1206+00																																	
HOR. ALIGNMENT	L=1350		L=1342		L=1350		R=42000																																	
VER. ALIGNMENT	L=2420.65 G=-0.705%		R=105000		L=3195.48 G=-0.390%		L=2676 R=260000																																	
CUT AND FILL	+27.1	+31.8	+35.0	+38.1	+43.8	+35.3	+31.6	+29.0	+24.6	+21.8	+19.7	+18.0	+16.3	+14.2	+11.6	+8.5	+7.5	+8.9	+13.7	+19.2	+22.8	+26.9	+34.8	+31.4	+28.4	+25.7	+21.4	+16.0	+10.3											
TYP. SECTION	VIADUCT (K)										EMBANKMENT (A)										VIADUCT (E)										EMBANKMENT (A)									

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

ARUP

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10370 Richmond Ave., Suite 475
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Dallas, Texas 75204
Tel (214) 217 2200 Fax (214) 217 2201
www.freese.com
Texas Registered Engineering Firm: F-2144

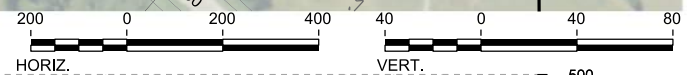
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1150+00 TO HN2 1206+00**

Scale AS SHOWN	Drawing Status FINAL	
Job No 234180	Drawing No CVL-HN-01190	Rev 01

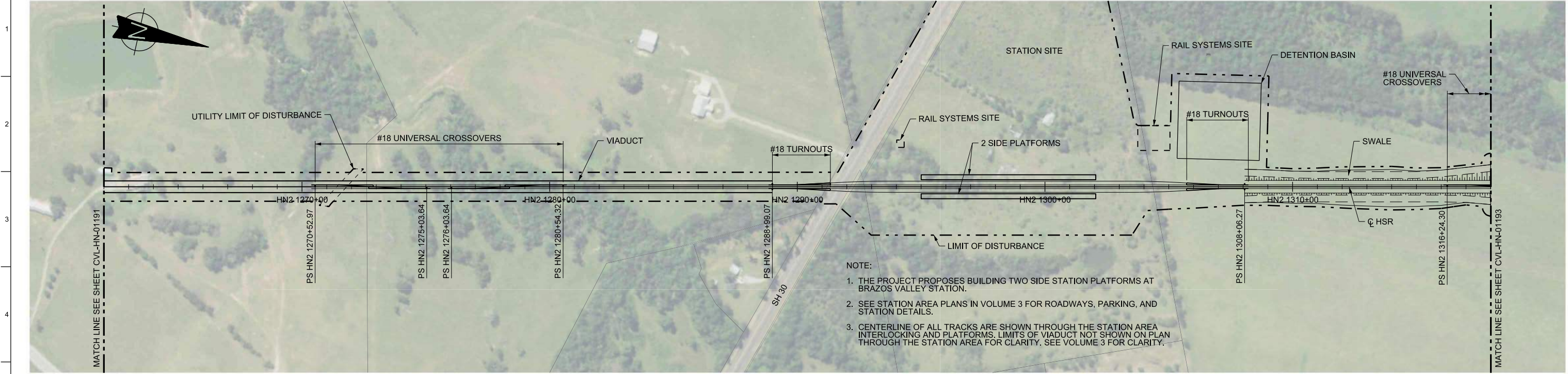


HORIZ. VERT.

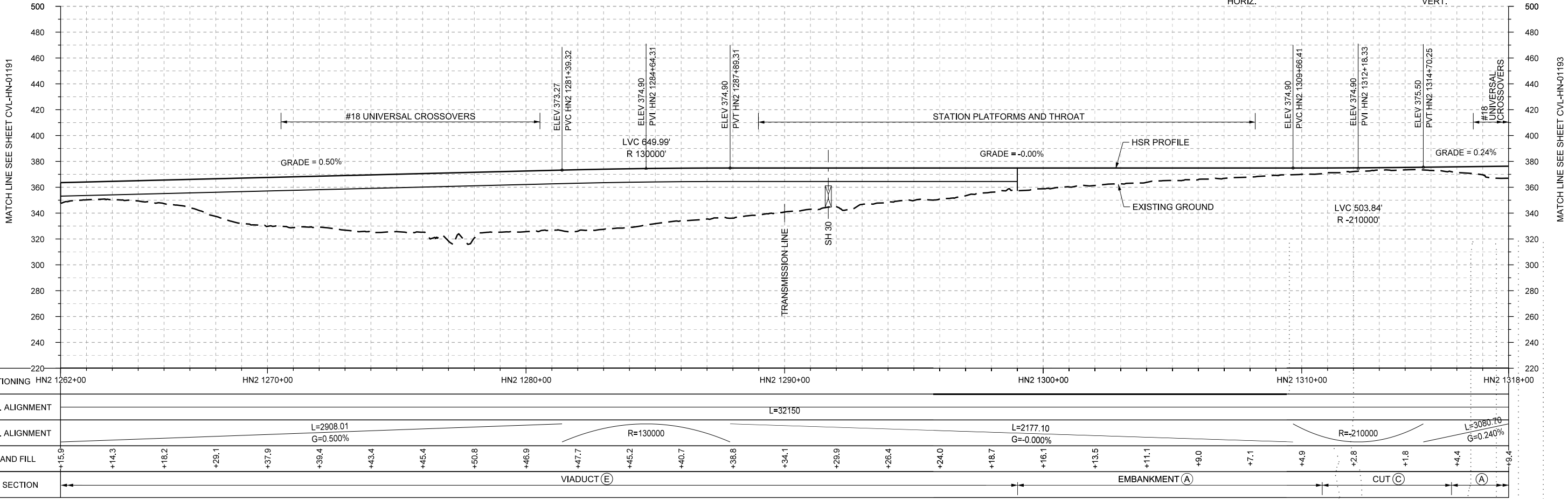
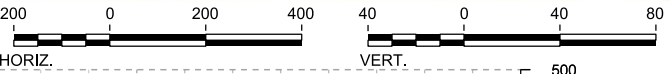


MATCH LINE SEE SHEET CVL-HN-01192

						DESIGNED BY B. STEELE	ARUP ARUP Texas, Inc. 10370 Richmond Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783 2787 Fax (713) 343 1467 www.arup.com Texas Registered Engineering Firm: F-1990 FRESE 2012 NICHOLS 2711 North Haskell Ave., Suite 3300 Dallas, Texas 75204 Tel (214) 217 2200 Fax (214) 217 2201 www.freese.com Texas Registered Engineering Firm: F-2144 DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING TEXAS CENTRAL 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215 Drawing Title HOUSTON SEGMENT CIVIL PLAN AND PROFILE HN2 1206+00 TO HN2 1262+00 Scale AS SHOWN Drawing Status FINAL Job No 234180 Drawing No CVL-HN-01191 Rev 01
						DRAWN BY J. BORGHESI	
						CHECKED BY K. SEYMOUR	
						IN CHARGE C. TAYLOR	
						DATE 02/25/2019	
REV	DATE	BY	CHK	APP	DESCRIPTION		



PLAN



PROFILE

STATIONING	HN2 1262+00	HN2 1270+00										HN2 1280+00										HN2 1290+00										HN2 1300+00										HN2 1310+00										HN2 1318+00
HOR. ALIGNMENT																																																				
VER. ALIGNMENT	L=2908.01 G=0.500% R=130000 L=32150 L=2177.10 G=-0.000% R=210000 L=3080.70 G=0.240%																																																			
CUT AND FILL	+15.9	+14.3	+18.2	+29.1	+37.9	+39.4	+43.4	+45.4	+50.8	+46.9	+47.7	+45.2	+40.7	+38.8	+34.1	+29.9	+26.4	+24.0	+18.7	+16.1	+13.5	+11.1	+9.0	+7.1	+4.9	+2.8	+1.8	+4.4	+3.4																							
TYP. SECTION	←										VIADUCT (E)										EMBANKMENT (A)										CUT (C)										(A)											

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019



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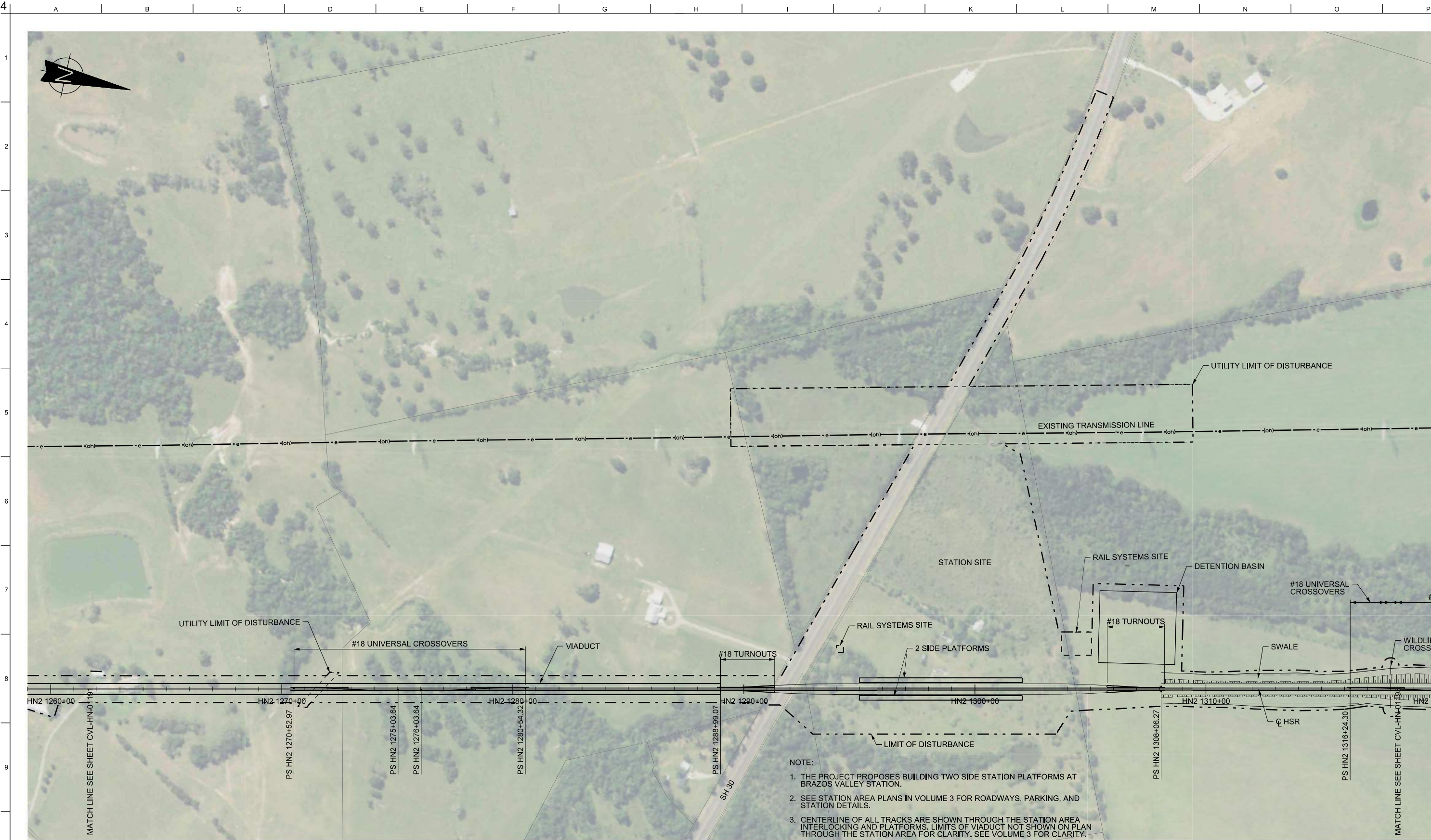
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title
HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1262+00 TO HN2 1318+00

Scale	AS SHOWN
Drawing Status	FINAL
Job No	234180
Drawing No	CVL-HN-01192
Rev	01



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY B. STEELE
DRAWN BY J. BORGHESI
CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
DATE 02/25/2019

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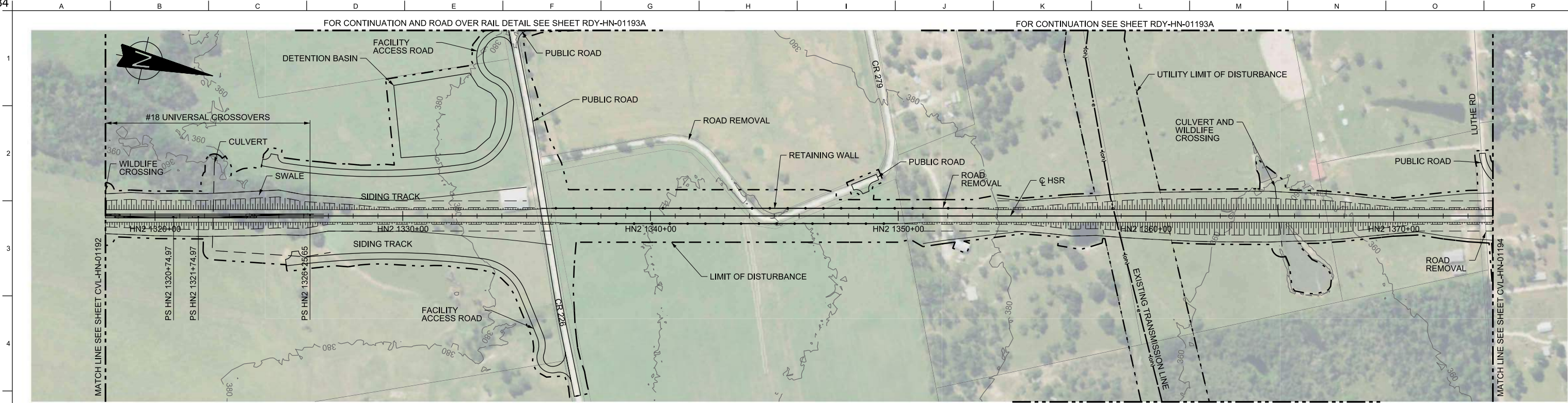
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



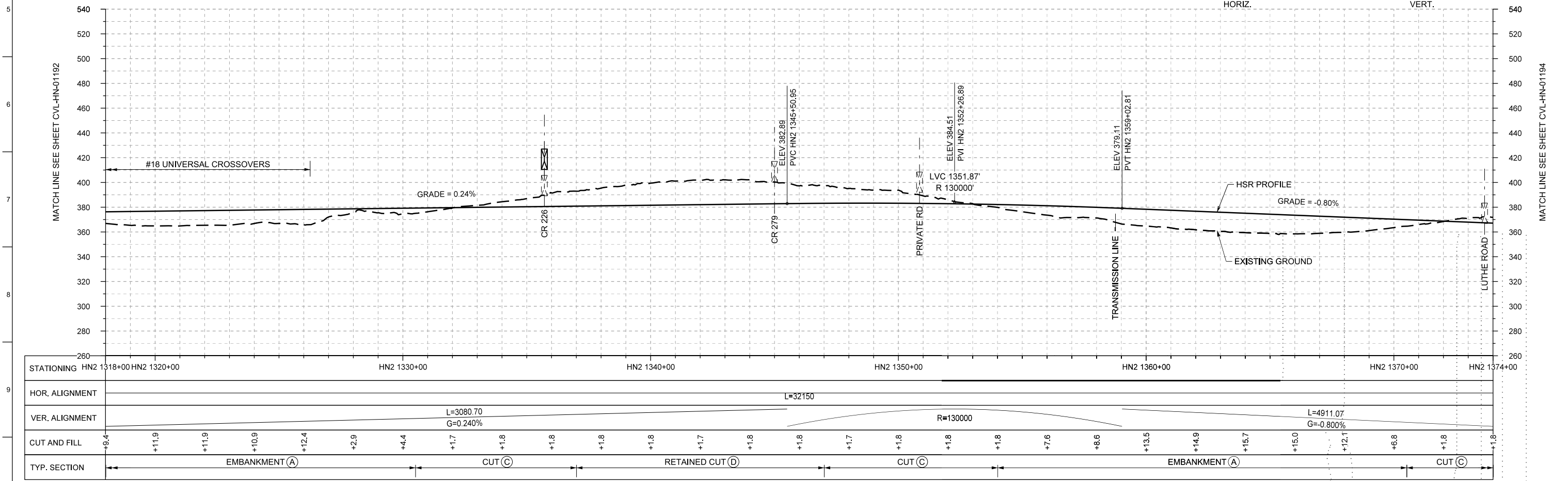
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN**

Scale		
AS SHOWN		
Drawing Status		
FINAL		
Job No	Drawing No	Rev
234180	CVL-HN-01192-B	01



PLAN



PROFILE

						DESIGNED BY B. STEELE
						DRAWN BY J. BORGHESI
						CHECKED BY K. SEYMOUR
						IN CHARGE C. TAYLOR
						DATE 02/25/2019
REV	DATE	BY	CHK	APP	DESCRIPTION	

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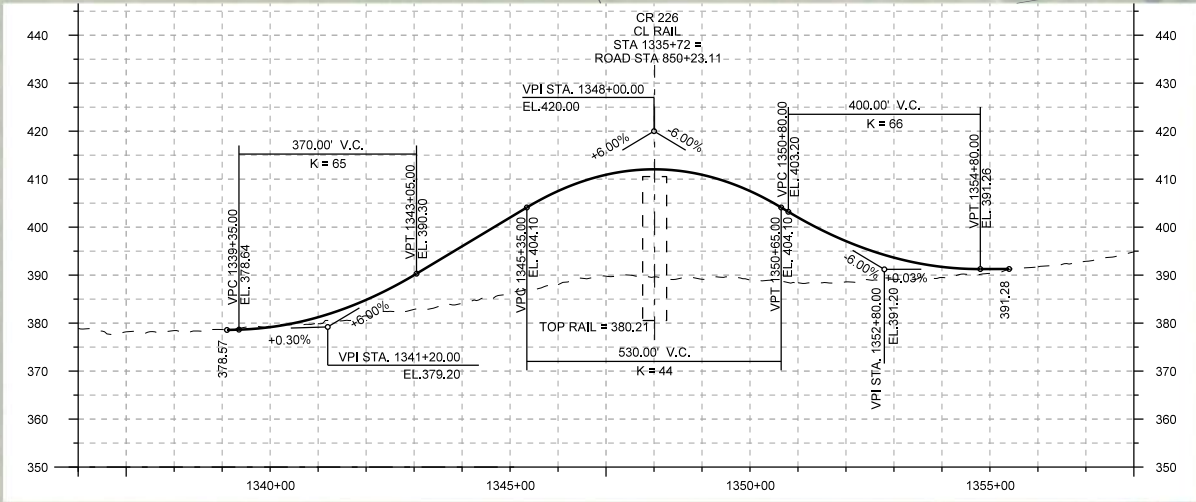
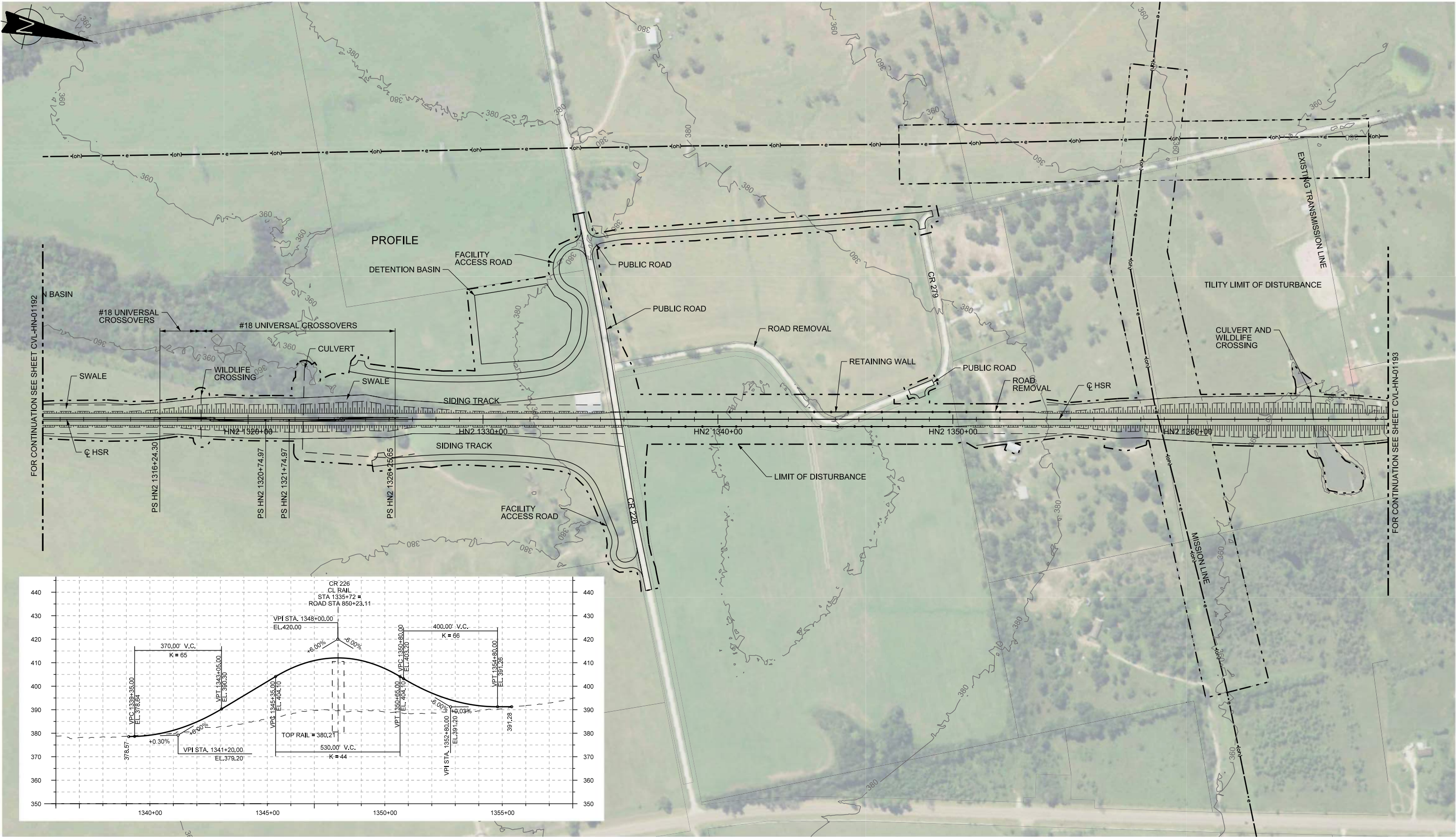
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**DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING**

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

Drawing Title
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1318+00 TO HN2 1374+00**

Scale
AS SHOWN
Drawing Status
FINAL
Job No
234180
Drawing No
CVL-HN-01193
Rev
01



PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. SASSER
DRAWN BY S. SASSER
CHECKED BY G. VOWELS
IN CHARGE C. TAYLOR
DATE 2/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN
CR 226**

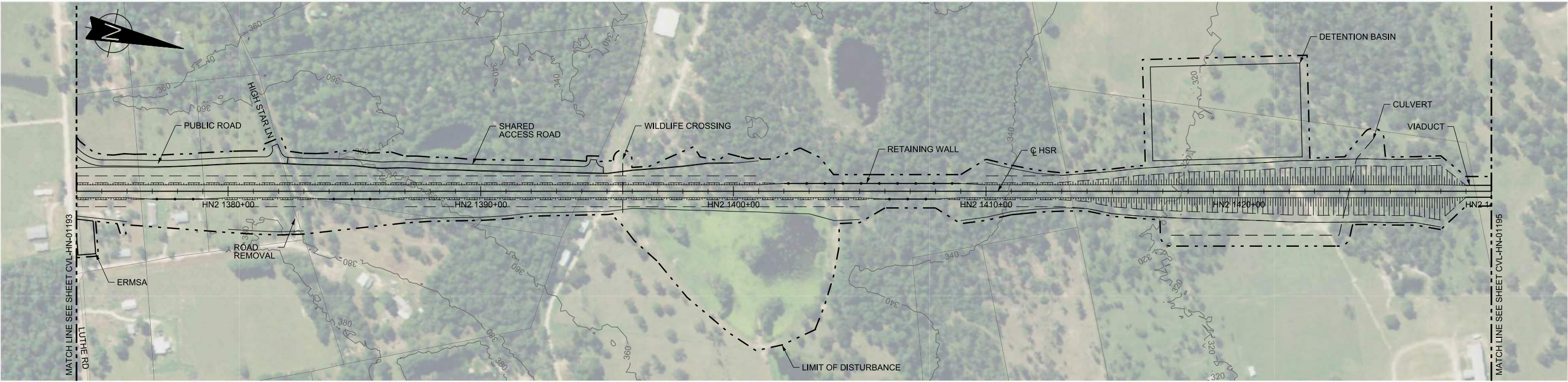
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Drawing Status

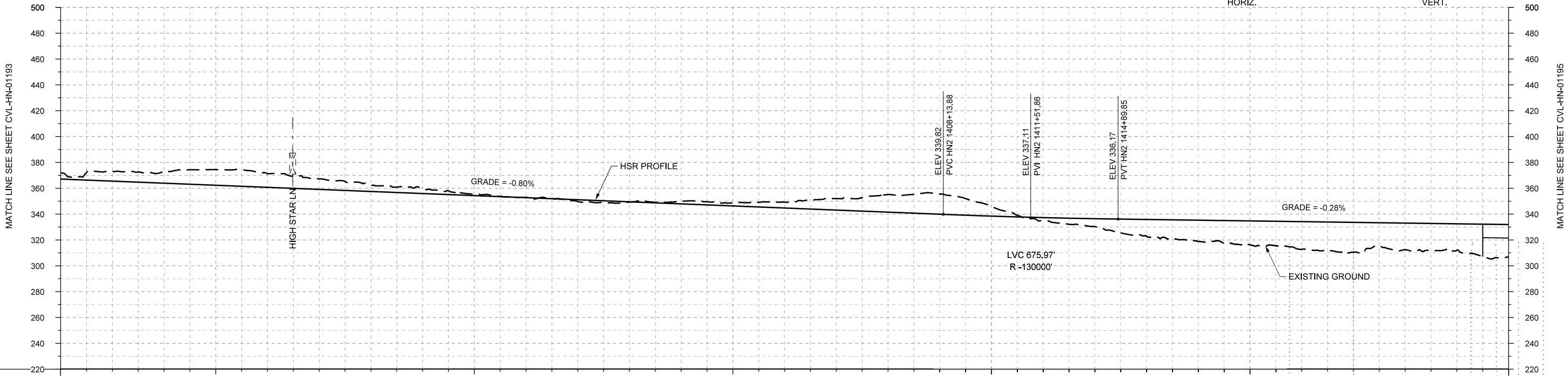
FINAL

Job No	Drawing No	Rev
234180	RDY-HN-01193A	01

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PLAN



PROFILE

STATIONING	HN2 1374+00	HN2 1380+00	HN2 1390+00	HN2 1400+00	HN2 1410+00	HN2 1420+00	HN2 1430+00
HOR. ALIGNMENT	L=32150						
VER. ALIGNMENT	L=4911.07 G=-0.800%						
CUT AND FILL	+1.8	+1.8	+1.8	+1.8	+1.8	+1.8	+25.1
TYP. SECTION	CUT (C) D CUT (C) EMBANKMENT (A) E						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1374+00 TO HN2 1430+00

Scale

AS SHOWN

Drawing Status

FINAL

Job No

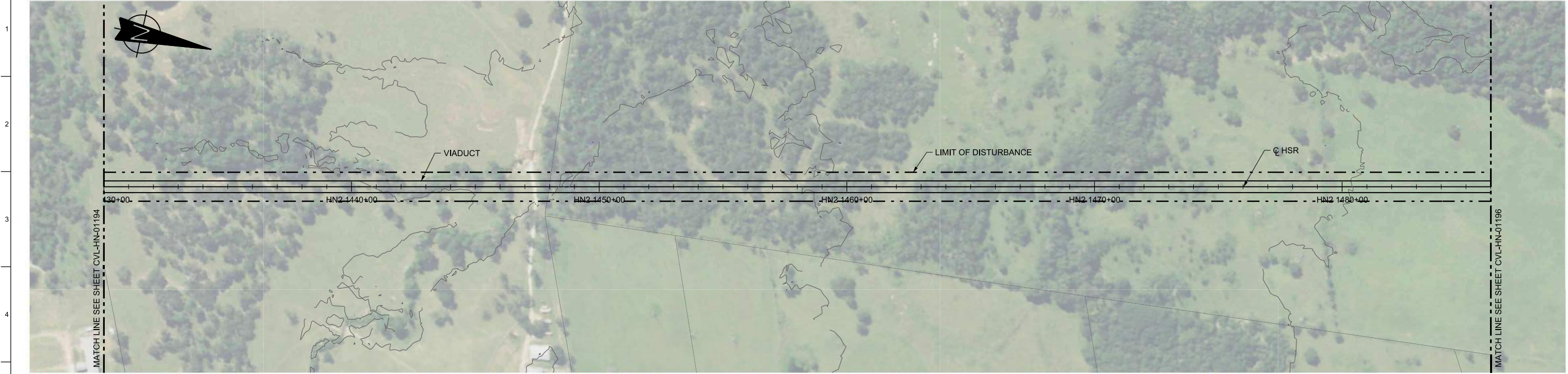
234180

Drawing No

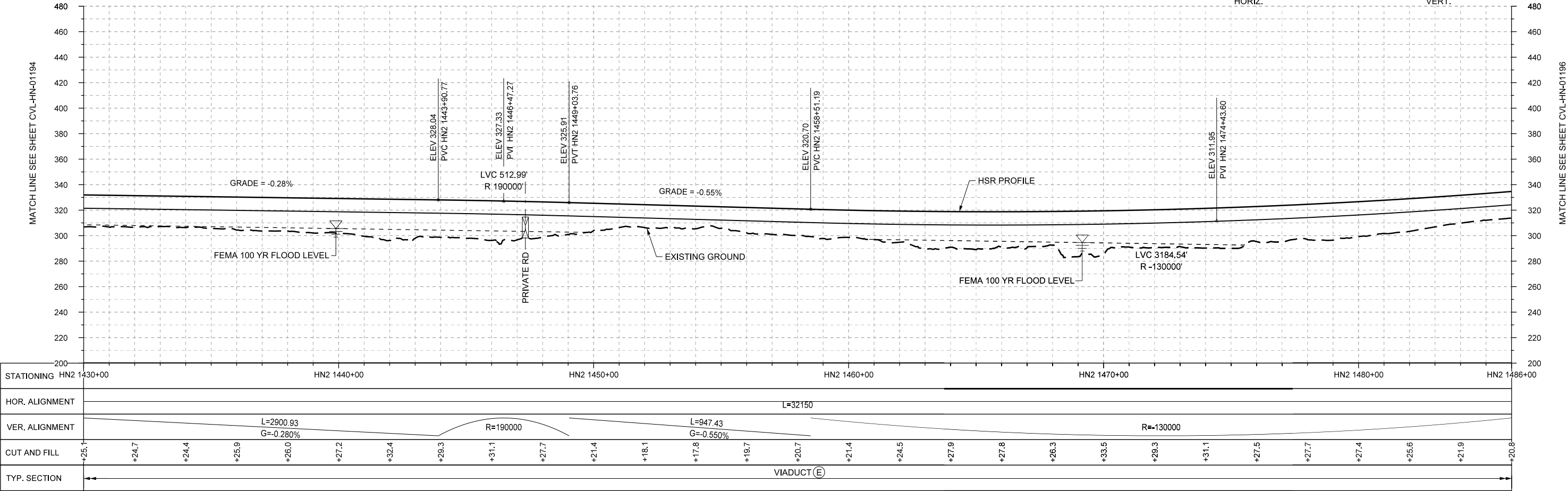
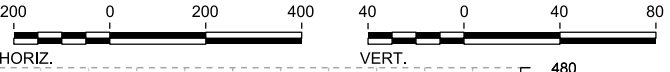
CVL-HN-01194

Rev

01



PLAN



PROFILE

						DESIGNED BY B. STEELE
						DRAWN BY J. BORGHESI
						CHECKED BY K. SEYMOUR
						IN CHARGE C. TAYLOR
						DATE 02/25/2019
REV	DATE	BY	CHK	APP	DESCRIPTION	

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

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

Drawing Title

HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1430+00 TO HN2 1486+00

Scale
AS SHOWN

Drawing Status
FINAL

Job No
234180

Drawing No
CVL-HN-01195

Rev
01

\\N-YPWICS01\ICS Temp\41230\13382_235\234180-AFN-CVL-DWG-HN-01195-V002.dgn

Arup Texas Inc.

PLOT BY: N-YPWICS01\$ PLOT TIME: 4/5/2019 5:25:14 PM

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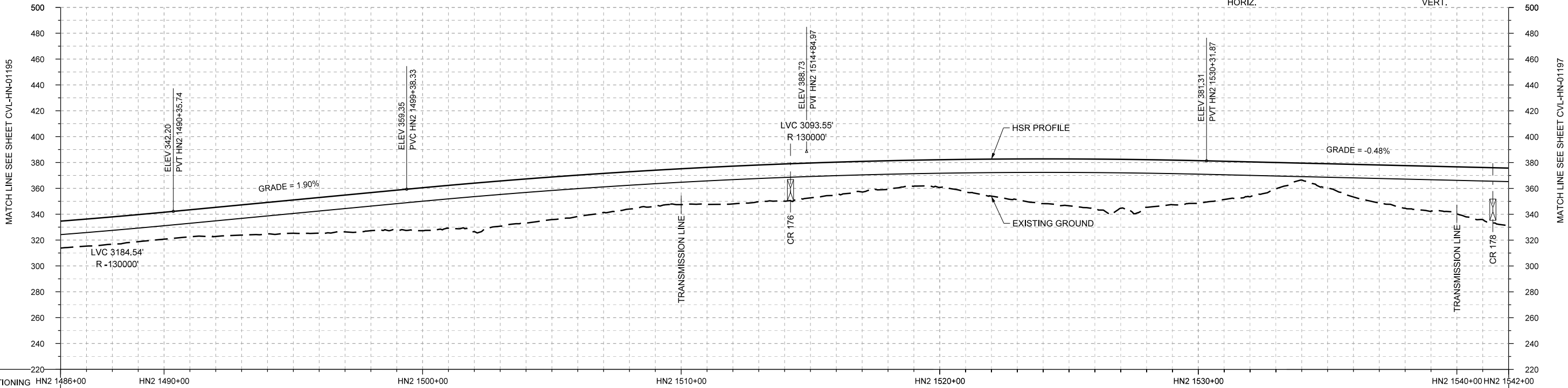
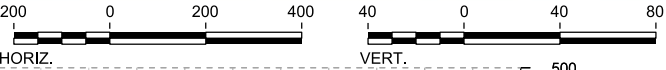
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PLAN



PROFILE

STATIONING	HN2 1486+00	HN2 1490+00	HN2 1500+00	HN2 1510+00	HN2 1520+00	HN2 1530+00	HN2 1540+00	HN2 1542+00																						
HOR. ALIGNMENT	L=32150																													
VER. ALIGNMENT	R=130000 L=902.59 G=1.900% R=130000 L=4079.35 G=-0.480%																													
CUT AND FILL	+20.8	+21.1	+20.8	+22.5	+24.4	+27.6	+29.4	+33.2	+37.6	+34.2	+32.0	+28.9	+27.8	+29.2	+28.8	+25.3	+22.3	+21.5	+28.6	+34.6	+38.0	+36.9	+33.1	+27.0	+13.1	+25.2	+33.0	+36.4	+44.5	
TYP. SECTION	VIADUCT (E)																													

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1486+00 TO HN2 1542+00

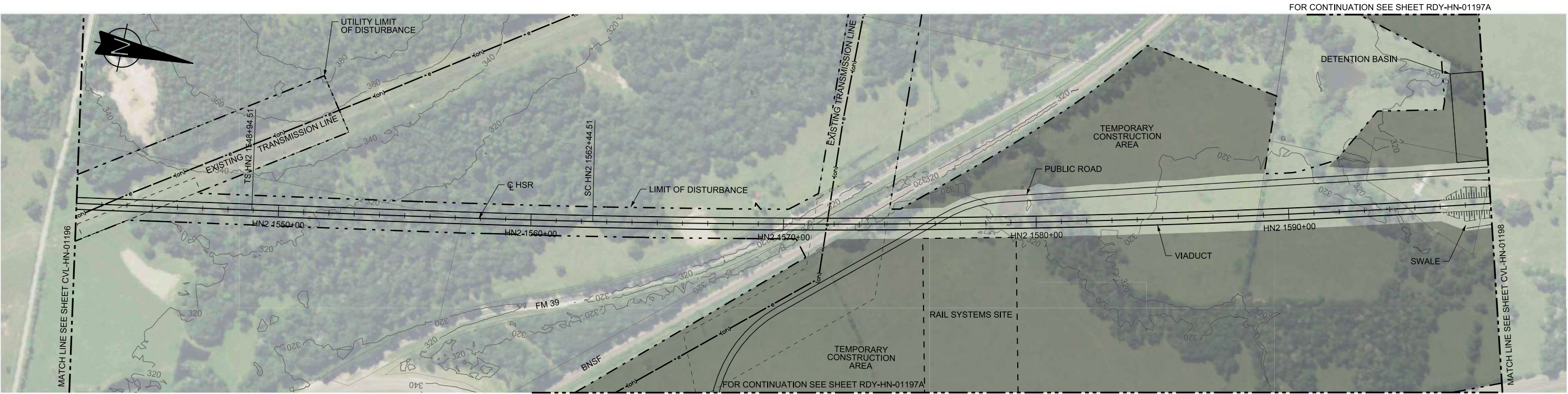
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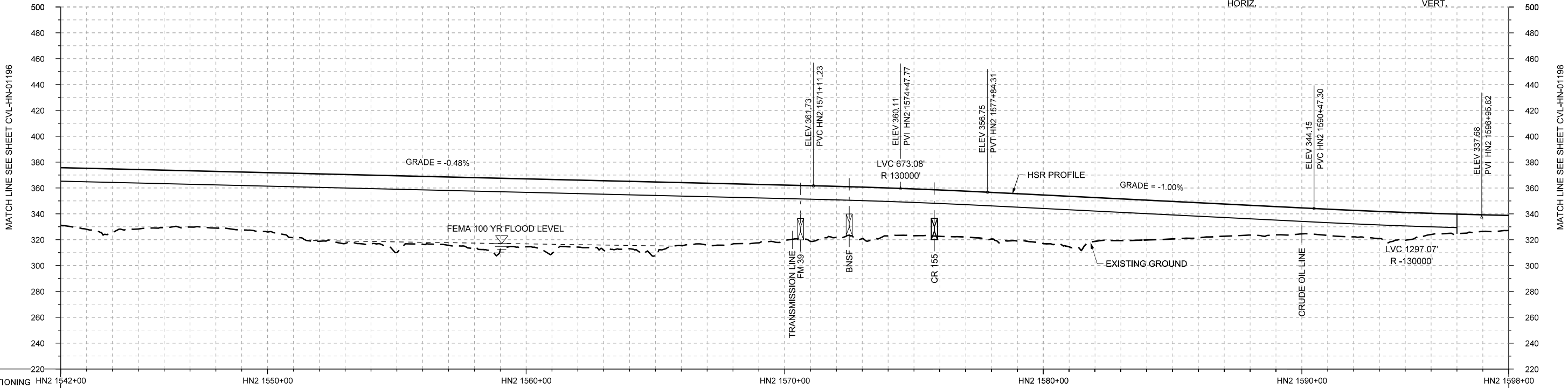
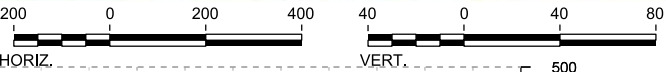
Drawing Status

FINAL

Job No	234180	Drawing No	CVL-HN-01196	Rev	01
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PLAN



PROFILE

STATIONING	HN2 1542+00	HN2 1550+00	HN2 1560+00	HN2 1570+00	HN2 1580+00	HN2 1590+00	HN2 1598+00																					
HOR. ALIGNMENT	L=32150 L=1350 R=130000 R=12000 L=1263.00 R=130000																											
VER. ALIGNMENT	L=4079.35 G=-0.480% R=130000 L=4700 G=-0.998%																											
CUT AND FILL	+44.5	+48.9	+44.5	+43.8	+45.9	+52.1	+53.5	+52.6	+51.8	+52.1	+48.8	+46.5	+42.8	+39.6	+37.1	+35.9	+36.1	+37.6	+33.9	+30.8	+27.2	+23.0	+20.1	+20.5	+21.4	+15.1	+11.6	
TYP. SECTION	VIADUCT (E)																											

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1542+00 TO HN2 1598+00

Scale
AS SHOWN

Drawing Status

FINAL

Job No

234180

Drawing No

CVL-HN-01197

Rev

01



FOR CONTINUATION SEE SHEET CVL-HN-01197

FOR CONTINUATION SEE SHEET CVL-HN-01198



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY S. SASSER
DRAWN BY S. SASSER
CHECKED BY G. VOWELS
IN CHARGE C. TAYLOR
DATE 2/25/2019

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

**HOUSTON SEGMENT
CIVIL HIGHWAY
PLAN
HN2 1558+00 TO HN2 1614+00**

Scale
AS SHOWN

Drawing Status

FINAL

Job No

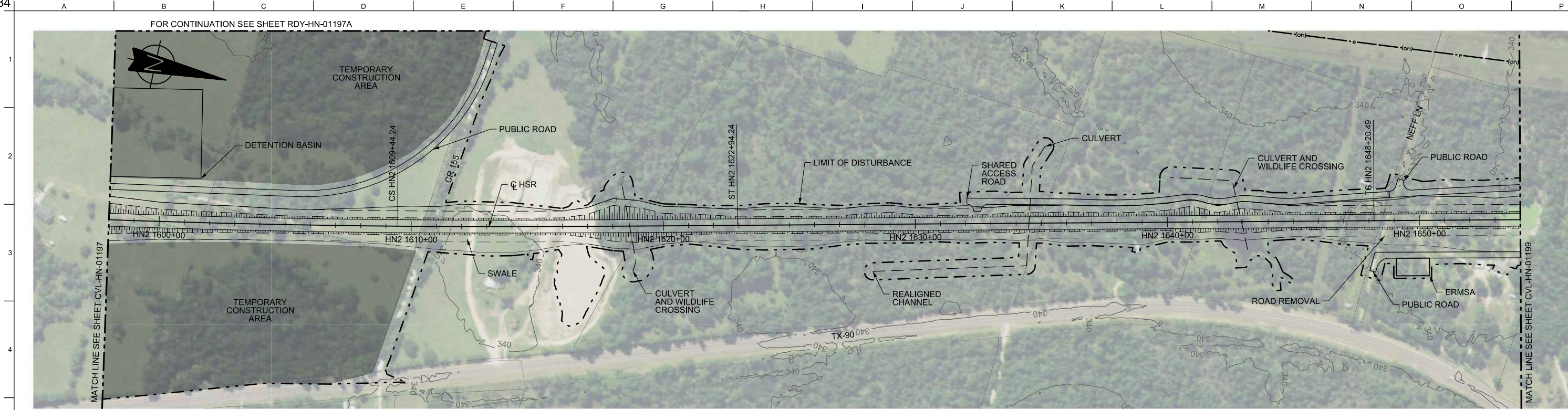
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Drawing No

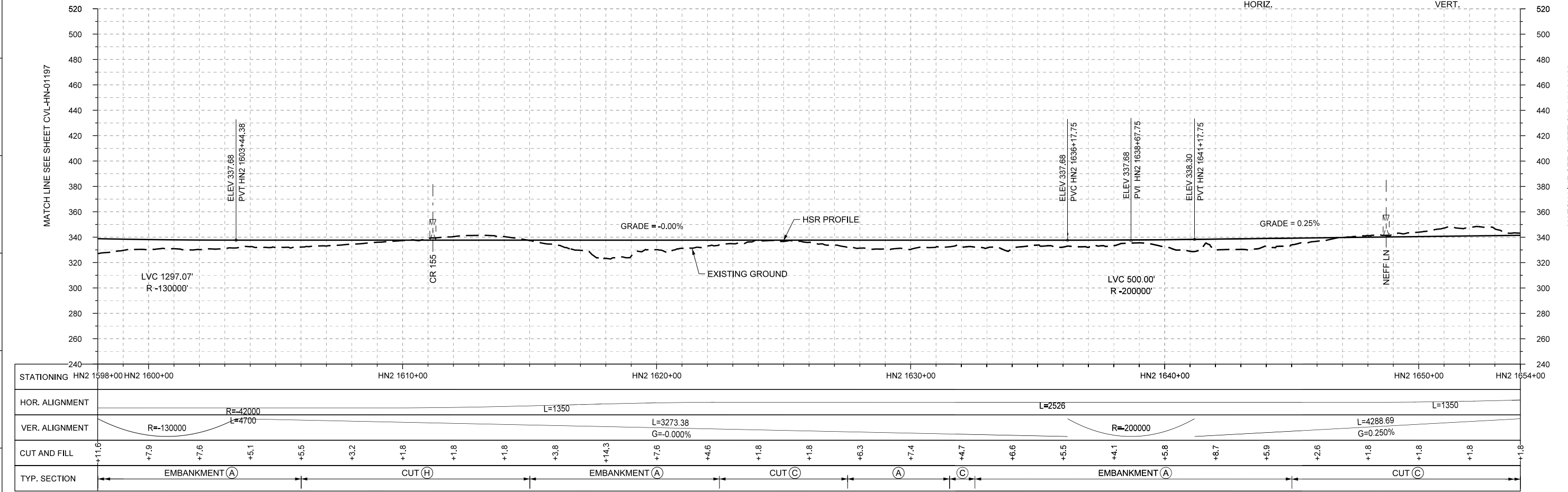
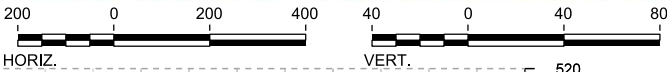
RDY-HN-01197A

Rev

01



PLAN



PROFILE

						DESIGNED BY B. STEELE
						DRAWN BY J. BORGHESI
						CHECKED BY K. SEYMOUR
						IN CHARGE C. TAYLOR
						DATE 02/25/2019
REV	DATE	BY	CHK	APP	DESCRIPTION	

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

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

Drawing Title

HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1598+00 TO HN2 1654+00

Scale
AS SHOWN

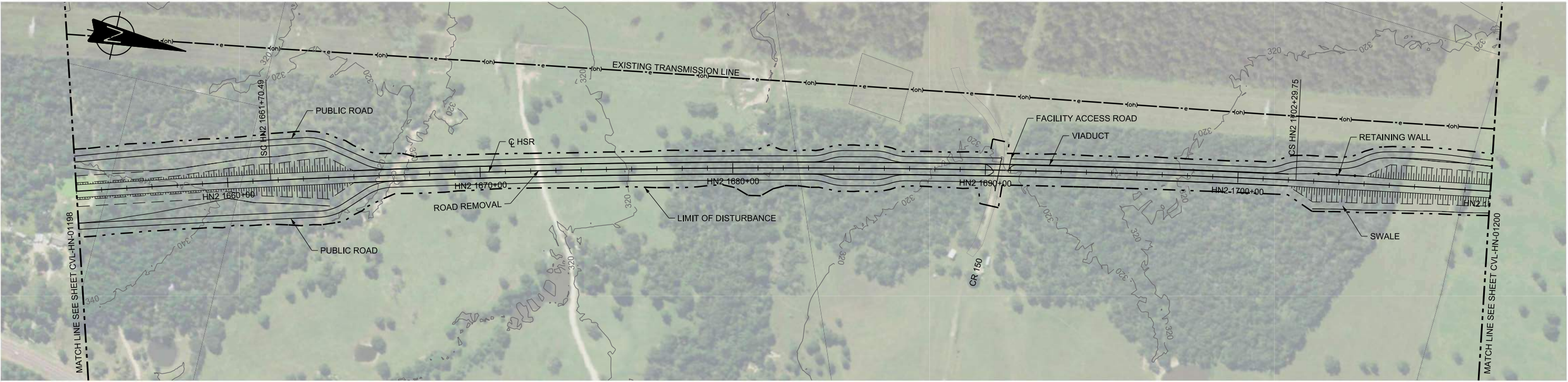
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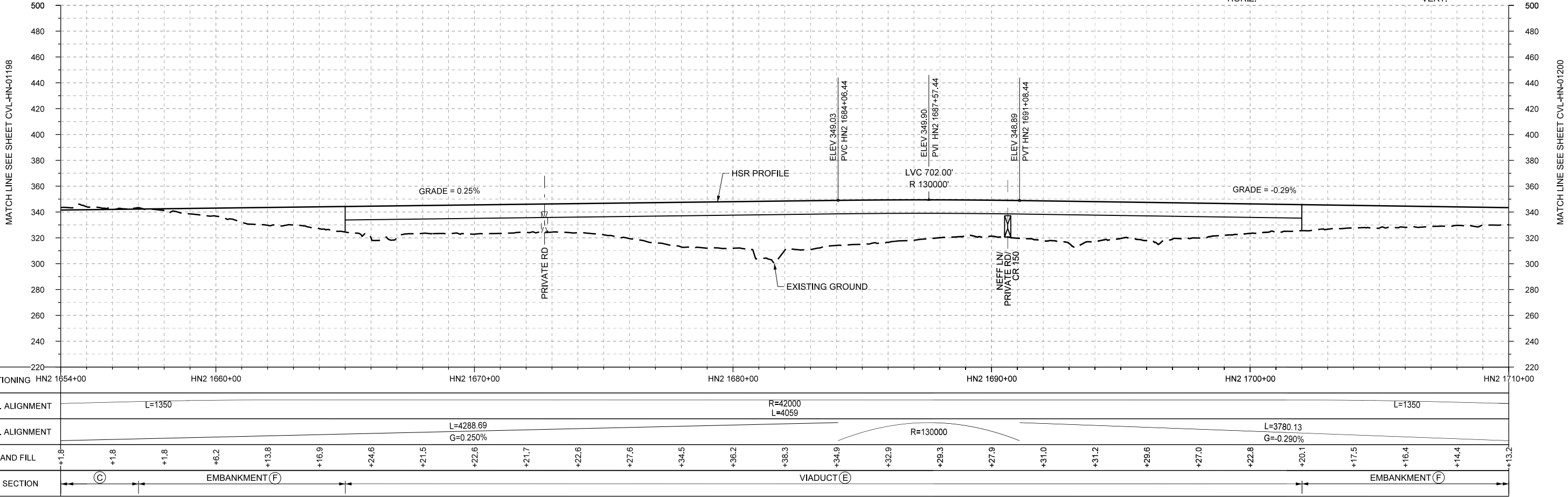
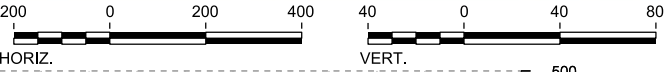
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Rev
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PLAN



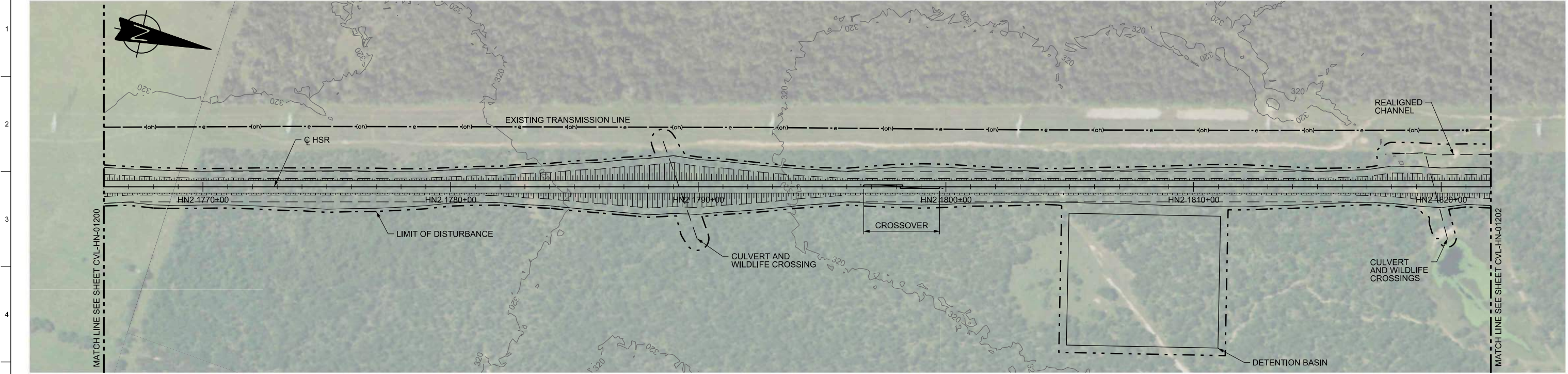
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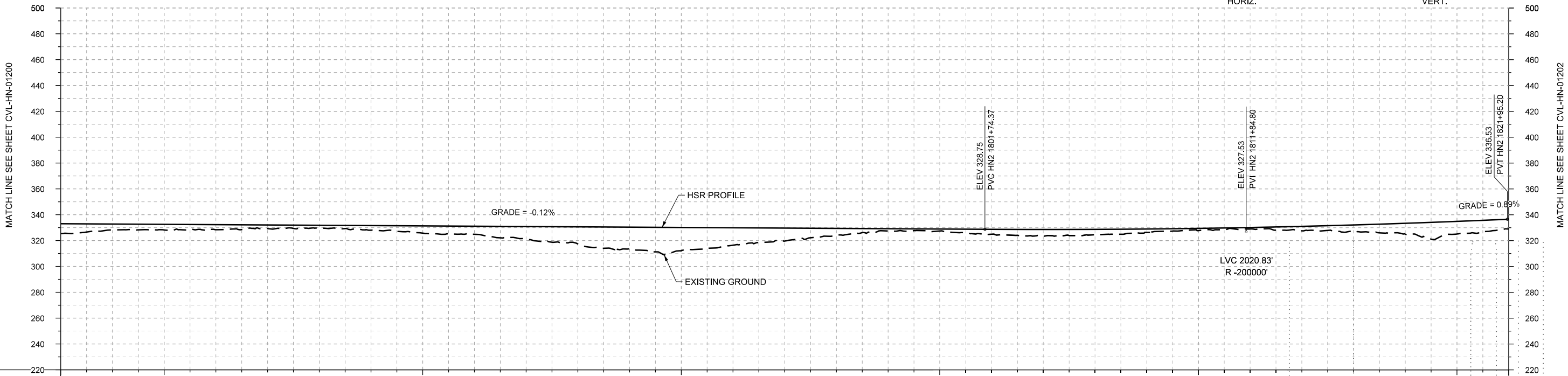
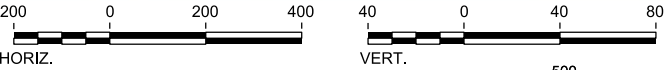


MATCH LINE SEE SHEET CVL-HN-01201

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PROFILE

STATIONING	HN2 1766+00	HN2 1770+00	HN2 1780+00	HN2 1790+00	HN2 1800+00	HN2 1810+00	HN2 1820+00	HN2 1822+00																						
HOR. ALIGNMENT	L=35800																													
VER. ALIGNMENT	L=6775.80 G=-0.120%																													
CUT AND FILL	+7.6	+4.6	+4.4	+3.9	+2.8	+1.8	+3.6	+5.6	+6.2	+9.7	+13.2	+16.8	+18.0	+13.5	+10.0	+5.1	+1.8	+1.8	+3.7	+5.0	+4.1	+2.6	+1.8	+1.8	+3.4	+4.7	+8.4	+9.8	+7.6	
TYP. SECTION	EMBANKMENT (F)		CUT (H)		EMBANKMENT (A)		CUT (H)		EMBANKMENT (A)		CUT (H)		EMBANKMENT (A)		CUT (H)		EMBANKMENT (A)		CUT (H)		EMBANKMENT (A)		CUT (H)		EMBANKMENT (A)		CUT (H)		EMBANKMENT (A)	

DESIGNED BY	B. STEELE
DRAWN BY	J. BORGHESI
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	02/25/2019

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	B. STEELE
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IN CHARGE	C. TAYLOR
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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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

Drawing Title

HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1766+00 TO HN2 1822+00

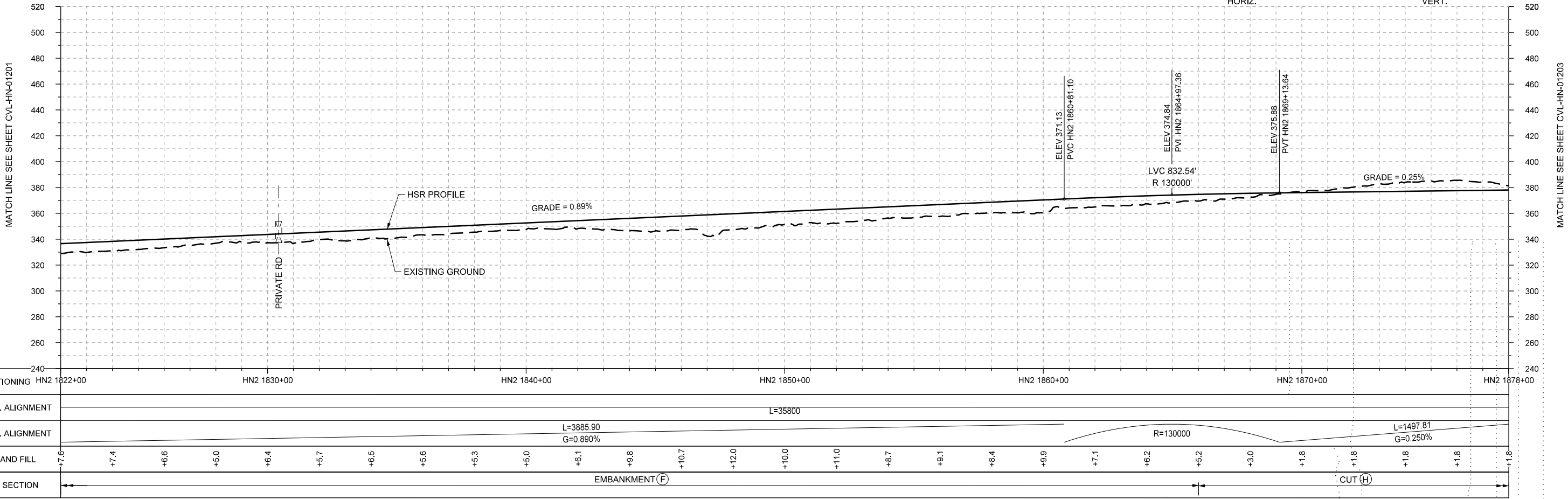
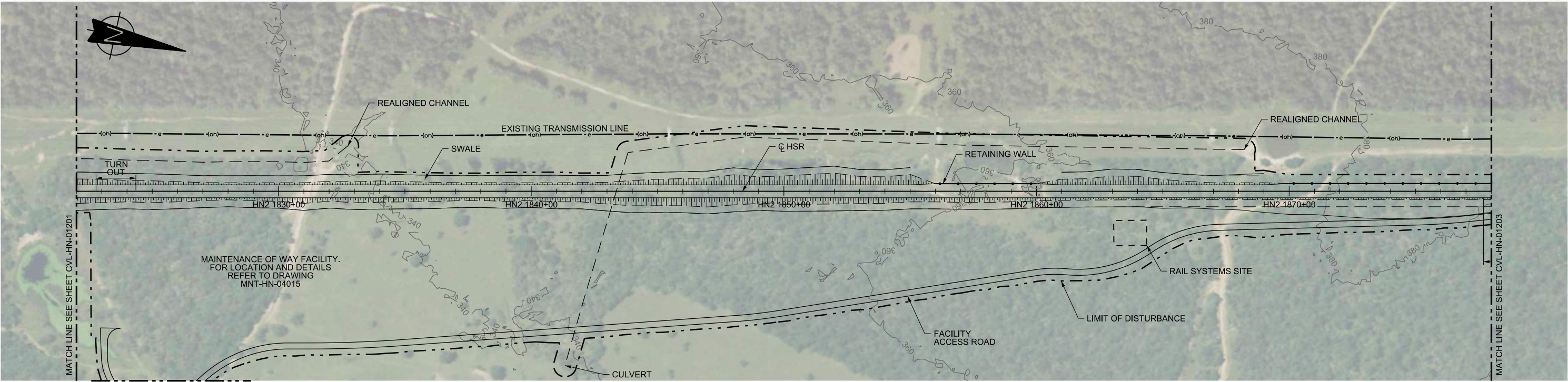
Scale
AS SHOWN

Drawing Status

FINAL

Job No	Drawing No	Rev
234180	CVL-HN-01201	01

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10



REV	DATE	BY	CHK	APP	DESCRIPTION

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FINAL CONCEPTUAL ENGINEERING



TEXAS CENTRAL

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Drawing Title

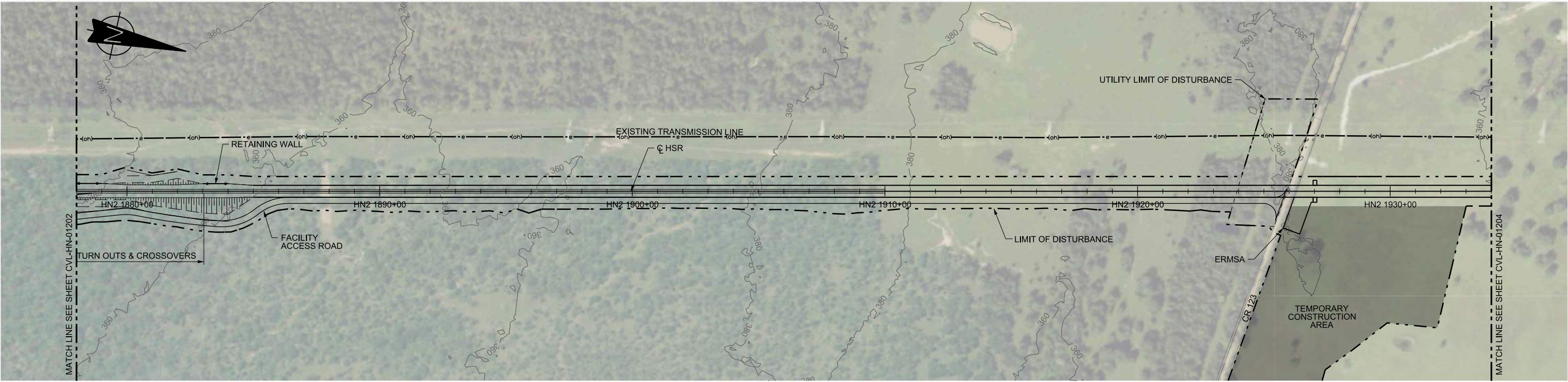
HOUSTON SEGMENT
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PLAN AND PROFILE
HN2 1822+00 TO HN2 1878+00

Scale
AS SHOWN

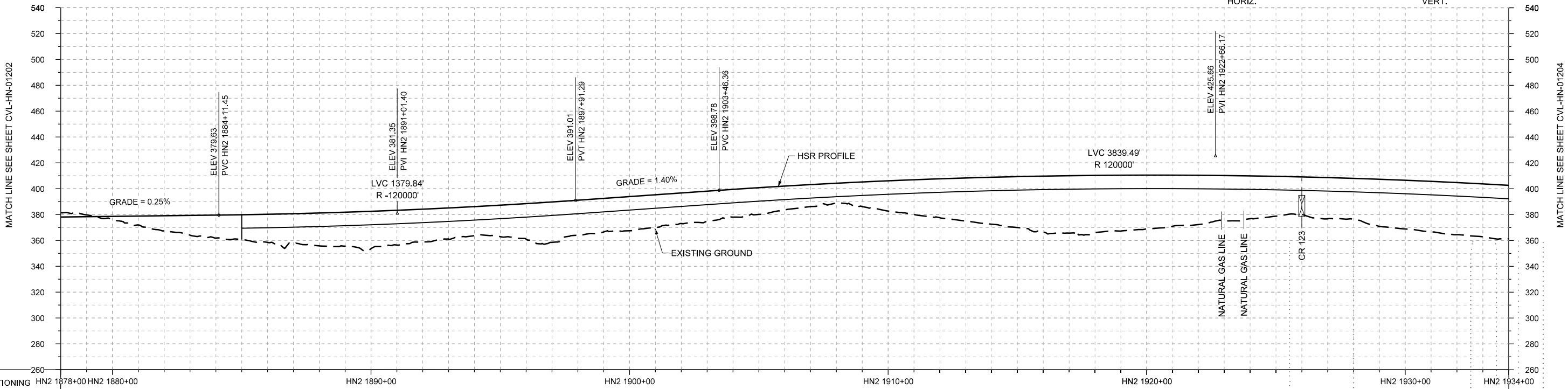
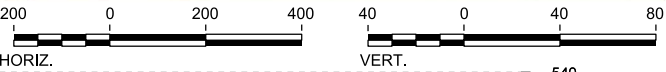
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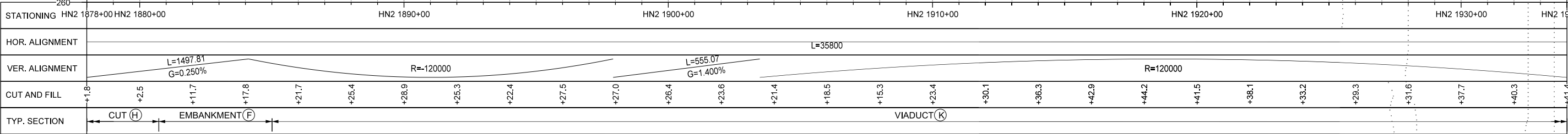
Job No	Drawing No	Rev
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PROFILE



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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



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Drawing Title

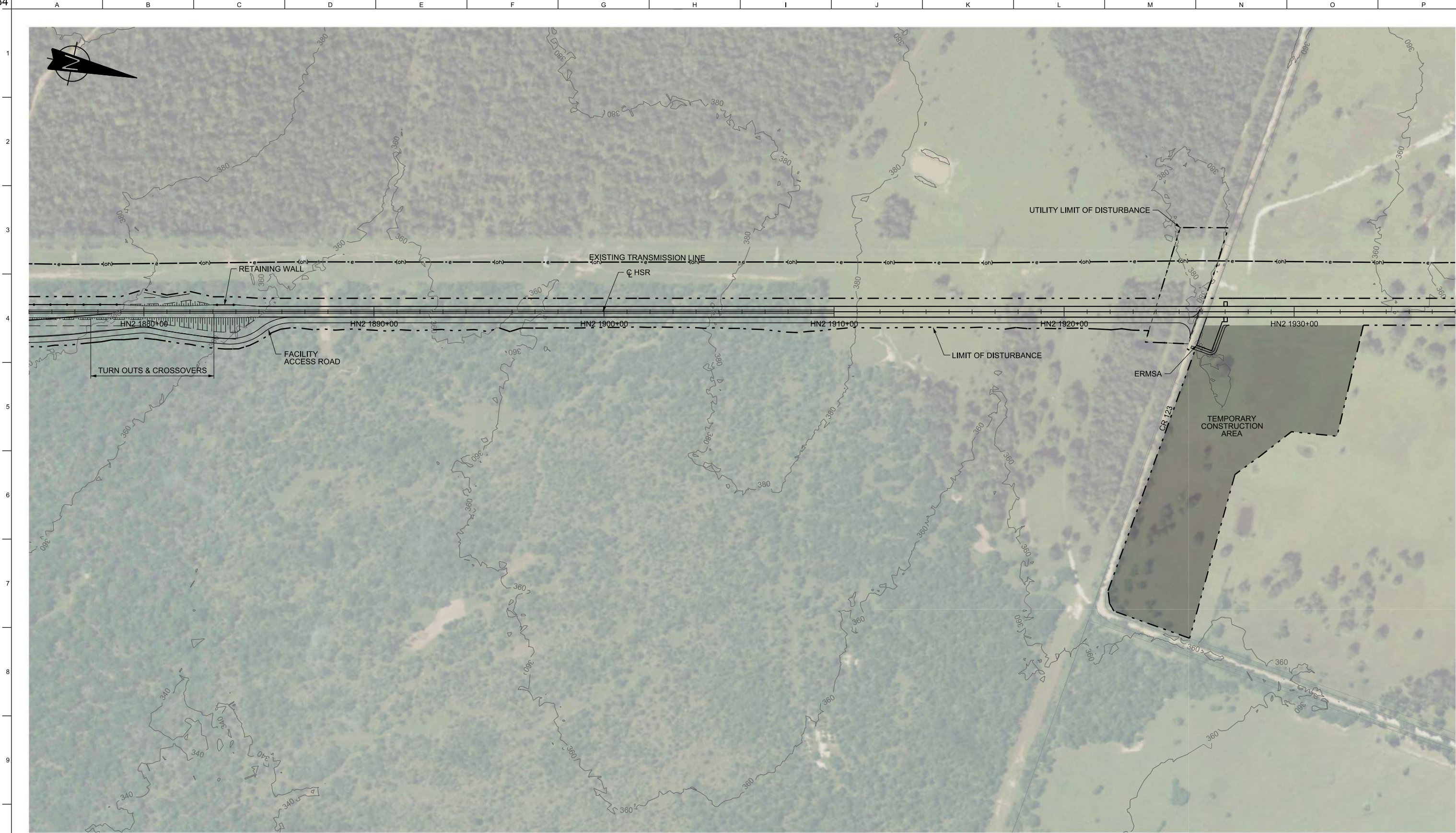
**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1878+00 TO HN2 1934+00**

Scale
AS SHOWN

Drawing Status

FINAL

Job No	Drawing No	Rev
234180	CVL-HN-01203	01



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Drawing Title
HOUSTON SEGMENT
CIVIL
PLAN

Scale
AS SHOWN

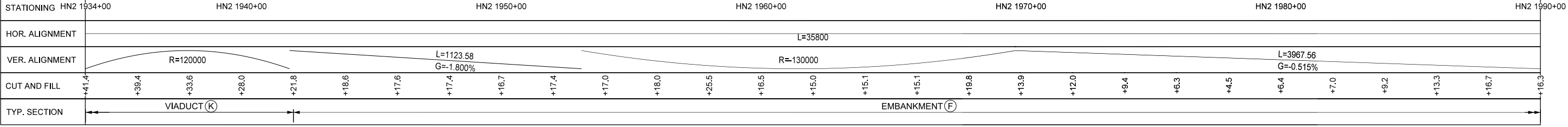
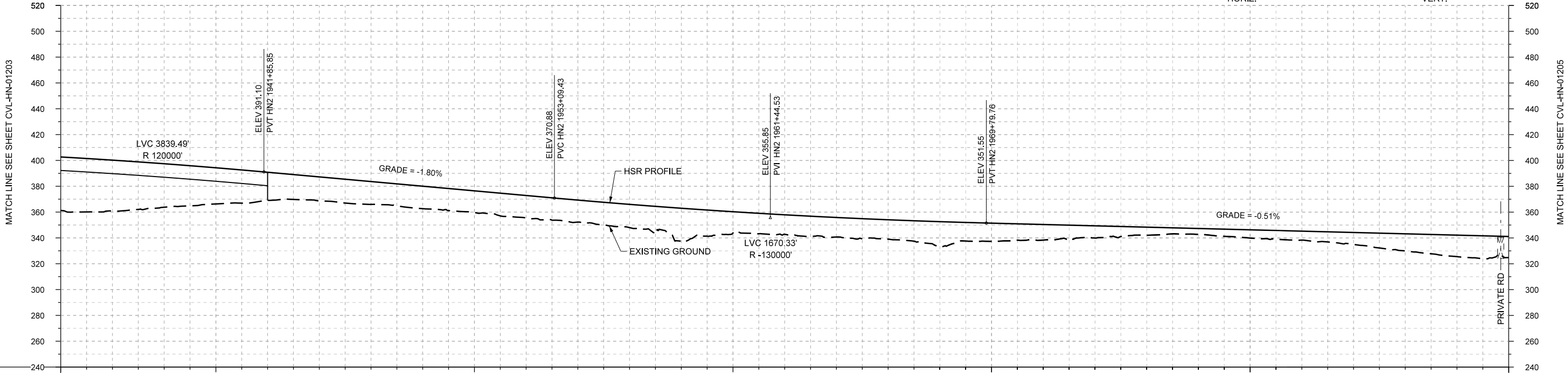
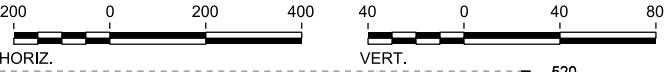
Drawing Status

FINAL

Job No	Drawing No	Rev
234180	CVL-HN-01203-A	01



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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

TEXAS CENTRAL

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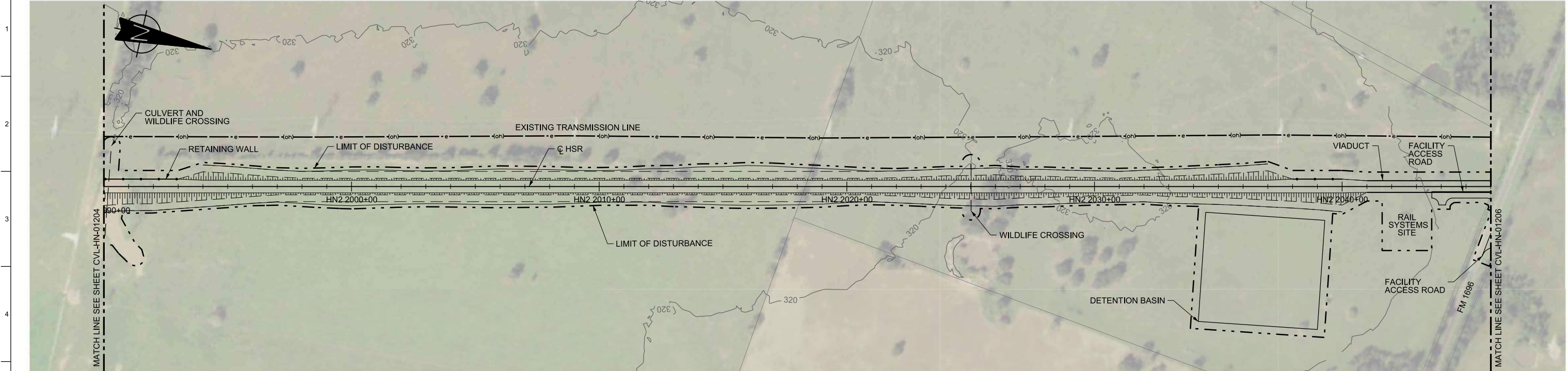
Drawing Title

**HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 1934+00 TO HN2 1990+00**

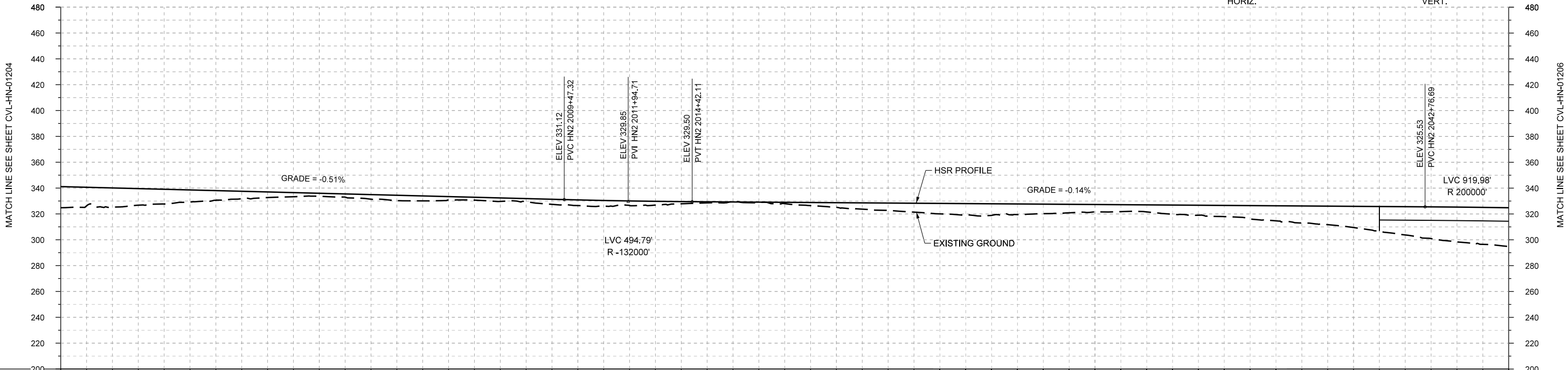
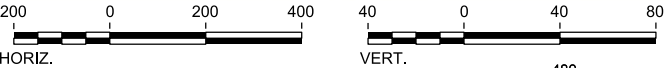
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Drawing Status
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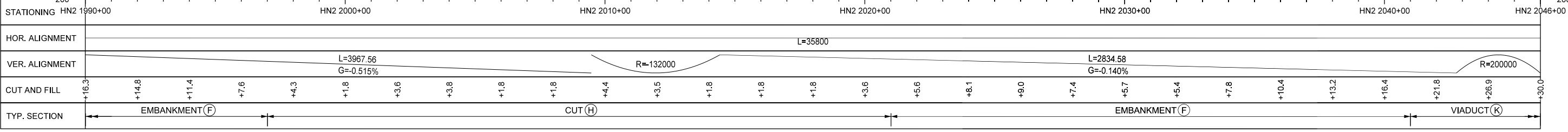
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REV	DATE	BY	CHK	APP	DESCRIPTION

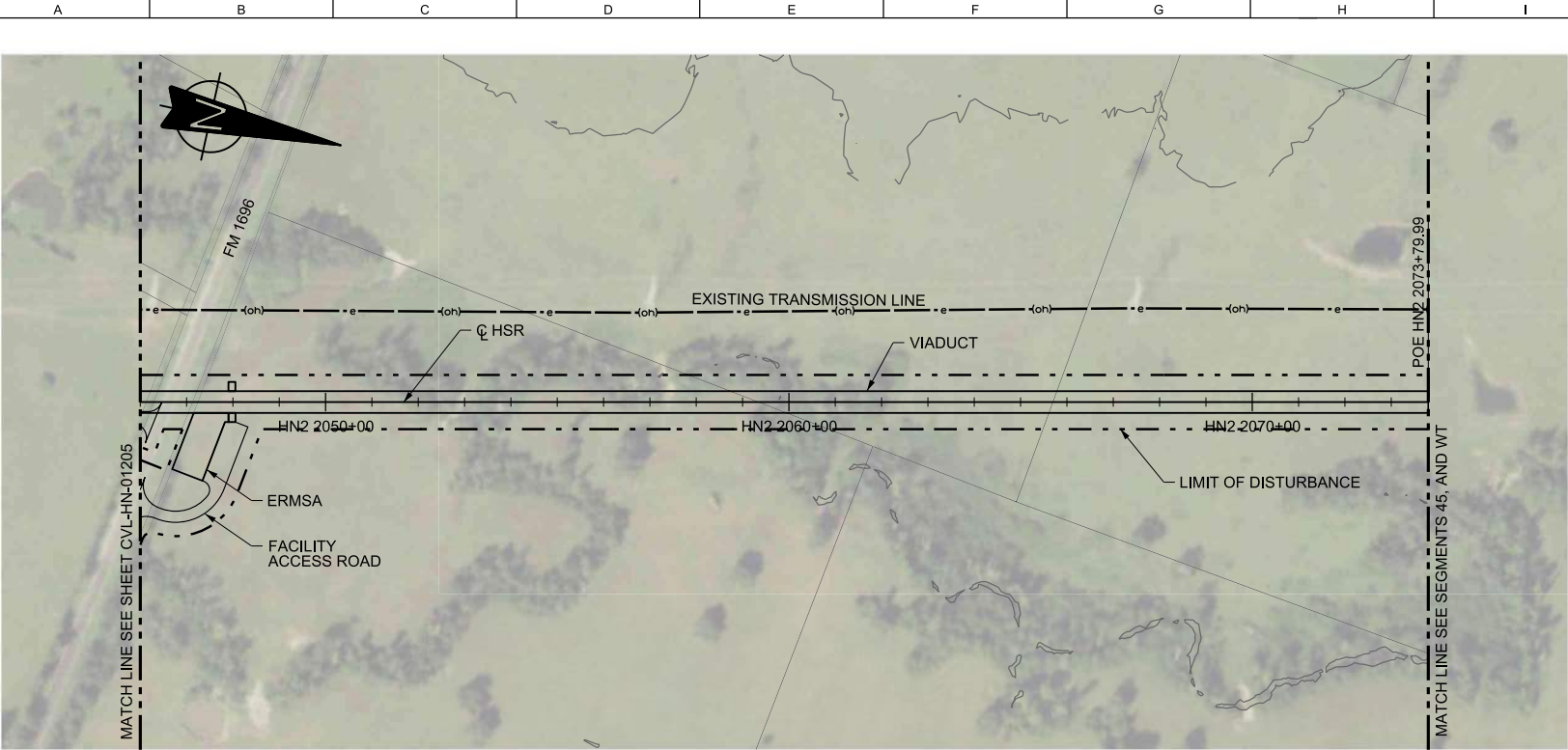
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IN CHARGE C. TAYLOR
DATE 02/25/2019

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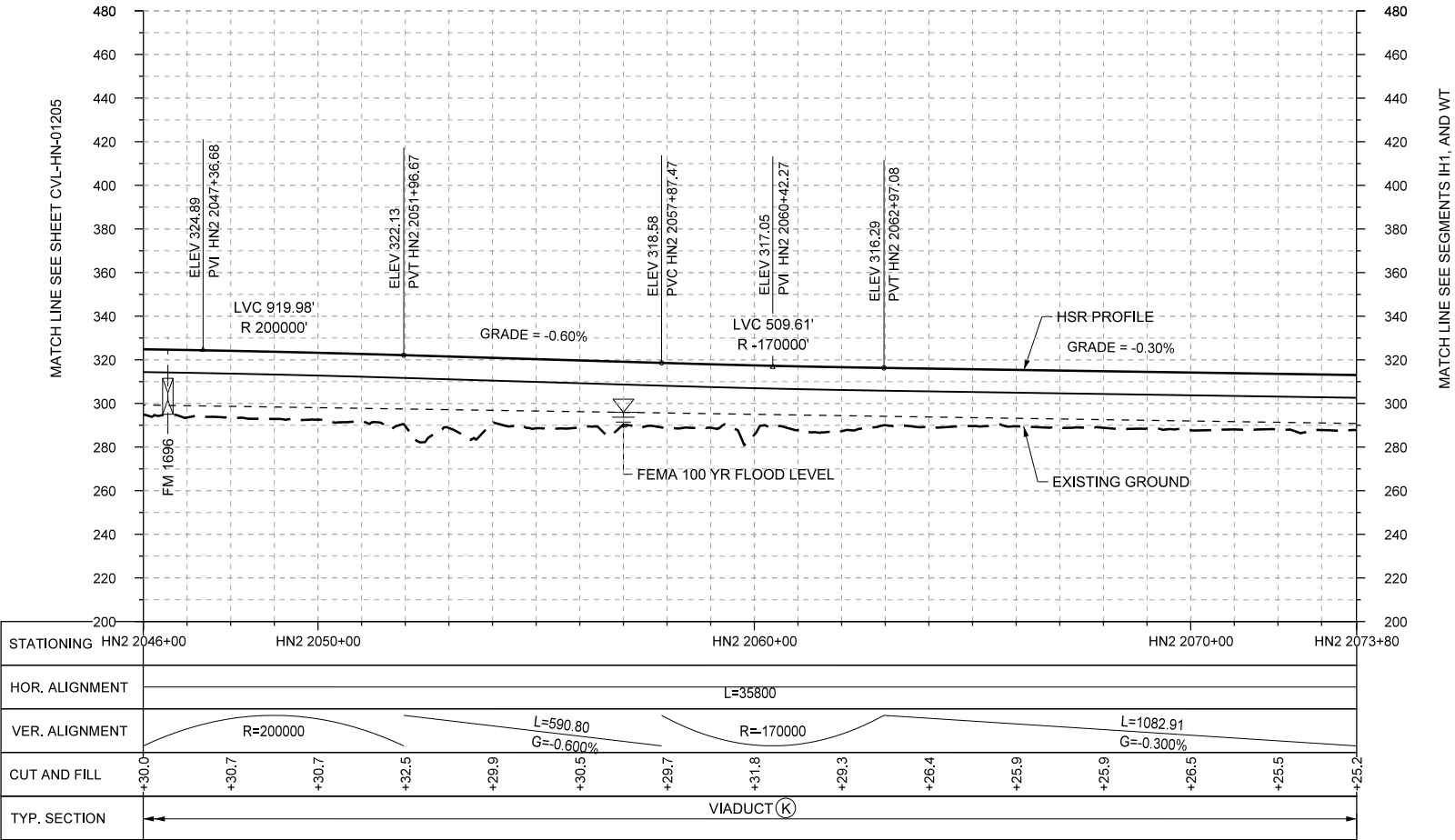
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FINAL CONCEPTUAL ENGINEERING
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Drawing Title HOUSTON SEGMENT CIVIL PLAN AND PROFILE HN2 1990+00 TO HN2 2046+00		
Scale AS SHOWN		
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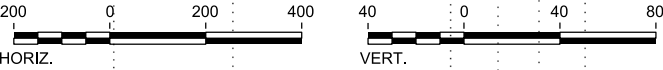


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CHECKED BY K. SEYMOUR
IN CHARGE C. TAYLOR
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DALLAS TO HOUSTON HIGH-SPEED RAIL
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Drawing Title

HOUSTON SEGMENT
CIVIL
PLAN AND PROFILE
HN2 2046+00 TO HN2 2073+80

Scale
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Drawing Status

FINAL

Job No	Drawing No	Rev
234180	CVL-HN-01206	01