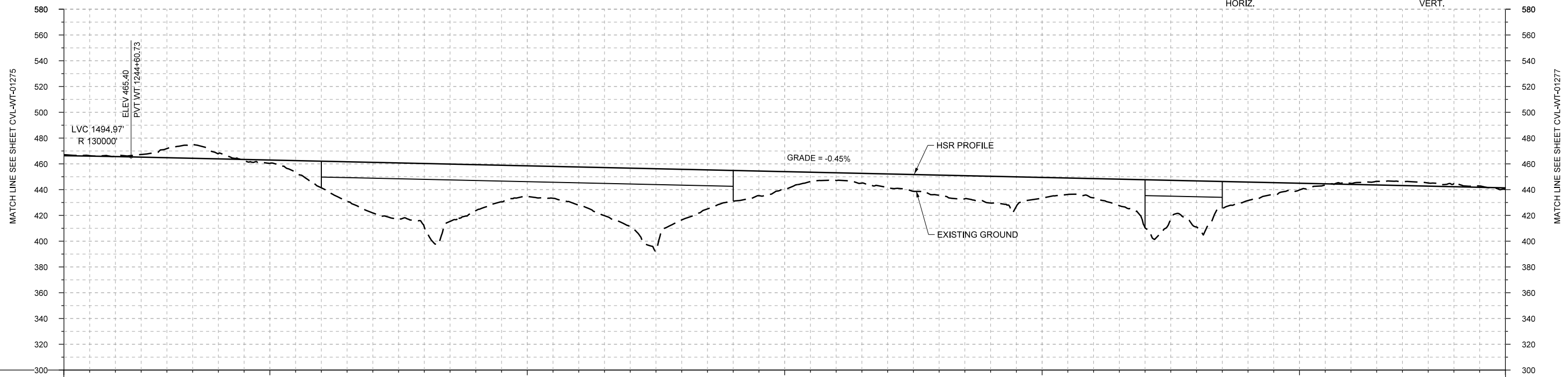
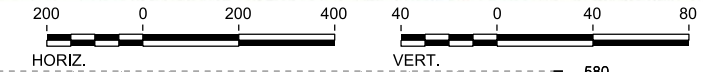


PLAN



PROFILE

STATIONING	WT 1242+00	WT 1250+00	WT 1260+00	WT 1270+00	WT 1280+00	WT 1290+00	WT 1298+00
HOR. ALIGNMENT	L=19823		L=1150		L=6400.07		R=42000
VER. ALIGNMENT	R=130000		G=-0.450%		L=5470		
CUT AND FILL	-0.8	-0.3	-7.1	-4.0	+2.6	+20.7	+39.3
			+49.4	+35.7	+23.8	+29.3	+45.5
			+39.3	+24.1	+13.0	+6.0	+10.9
			+15.7	+20.8	+16.1	+15.0	+37.3
			+35.8	+14.4	+5.2	-0.7	-2.9
			-2.3	+1.2			
TYP. SECTION	CUT (C)		RETAINED CUT (D)		RETAINED FILL (B)		VIADUCT (E)
							EMBANKMENT (A)
							VIADUCT (E)
							EMBANKMENT (A)
							CUT (C)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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

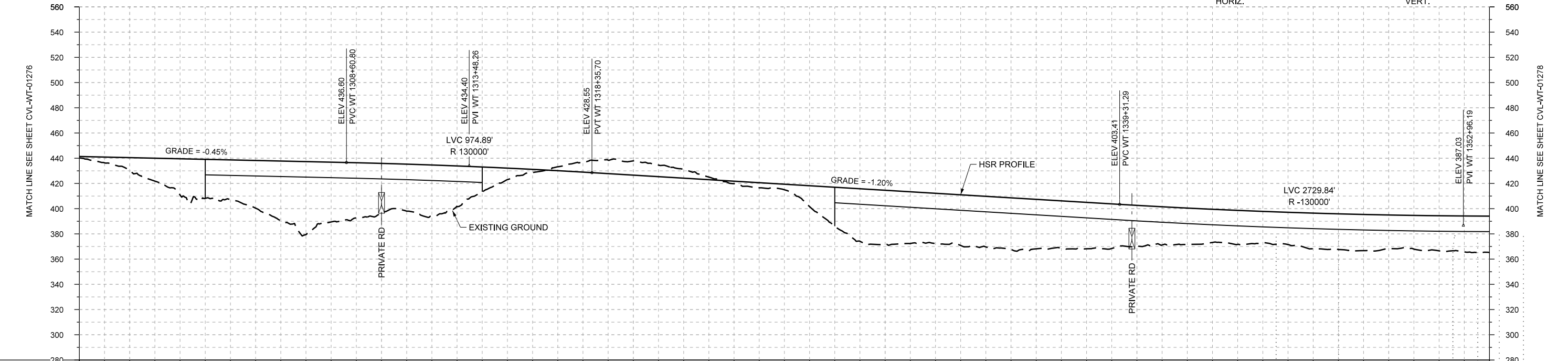
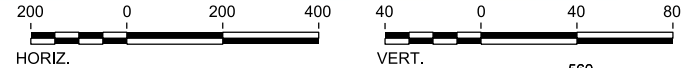
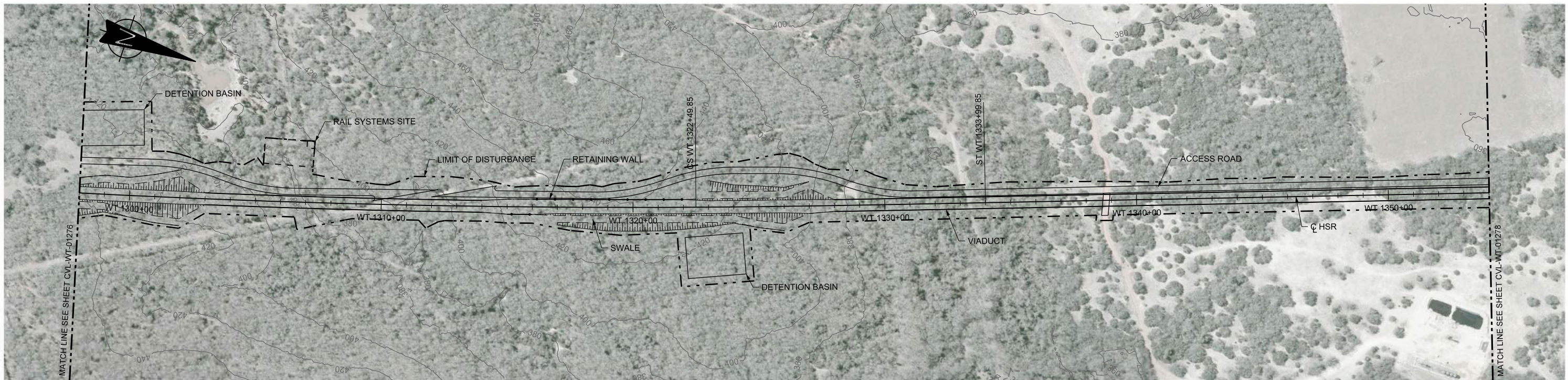
Client

**TEXAS CENTRAL**

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

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 1242+00 TO WT 1298+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01276
Rev	01



STATIONING	WT 1298+00	WT 1300+00	WT 1310+00	WT 1320+00	WT 1330+00	WT 1340+00	WT 1350+00	WT 1354+00
HOR. ALIGNMENT								
VER. ALIGNMENT	L=6400.07 G=-0.450%		R=42000 L=5470		R=130000		L=1150 L=2095.60 G=-1.200%	
CUT AND FILL	+1.2	+10.4	+28.8	+31.5	+47.5	+47.5	+39.5	+40.5
TYP. SECTION	(C)	EMBANKMENT (A)		VIADUCT (E)		(B)	(D)	CUT (C)

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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Texas Registered Engineering Firm: F-2144

Client

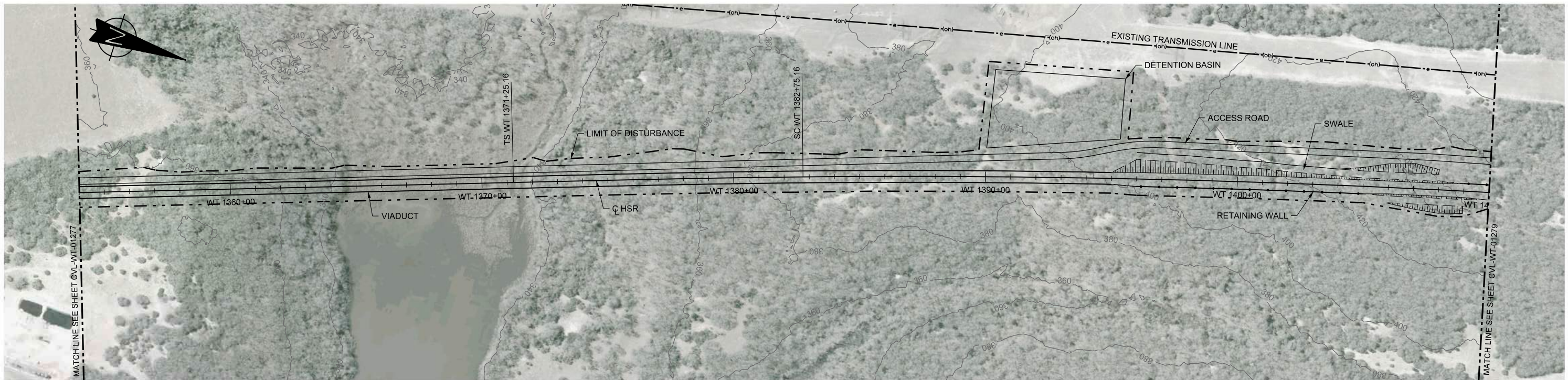
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1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

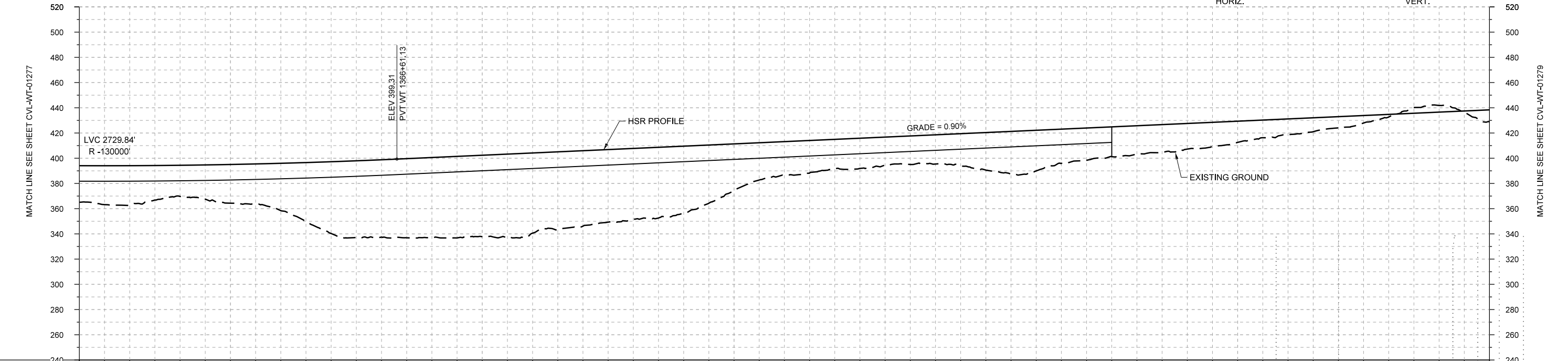
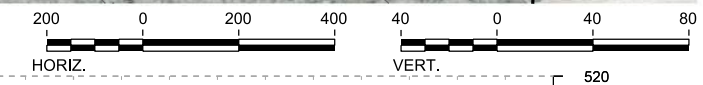
Drawing Title

**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 1298+00 TO WT 1354+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01277
Rev	01



PLAN



PROFILE

STATIONING	WT 1354+00	WT 1360+00	WT 1370+00	WT 1380+00	WT 1390+00	WT 1400+00	WT 1410+00																						
HOR. ALIGNMENT	L=3725			L=1150		R=42000 L=6599																							
VER. ALIGNMENT	R=130000			L=9754.09 G=0.900%																									
CUT AND FILL	+25.9	+31.6	+24.7	+30.7	+37.6	+56.9	+61.4	+63.6	+64.6	+63.6	+59.9	+56.3	+53.1	+36.8	+26.7	+23.4	+22.1	+23.2	+29.8	+32.2	+25.7	+22.9	+20.3	+16.9	+12.6	+9.0	+2.1	-5.2	-9.5
TYP. SECTION	VIADUCT (E)										EMBANKMENT (F)										CUT (H)		CUT (H)						

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**



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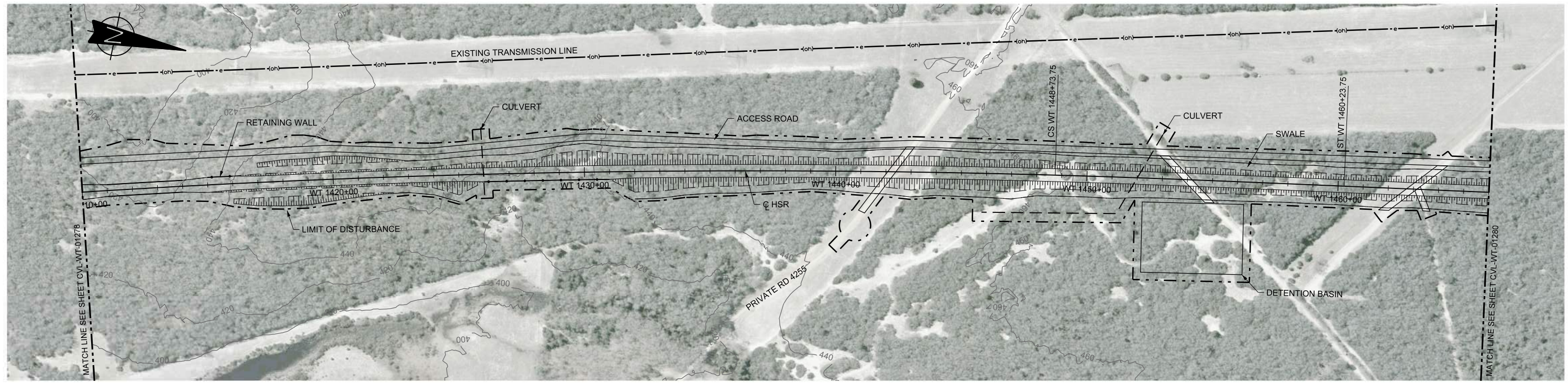
2711 North Haskell Ave., Suite 3300  
Dallas, Texas 75204  
Tel (214) 217 2200 Fax (214) 217 2201  
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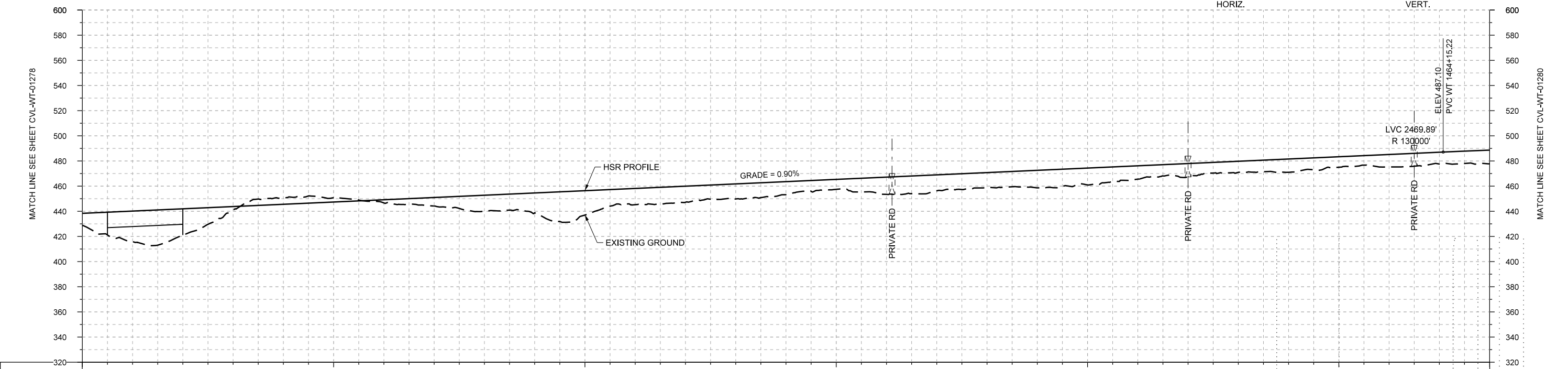
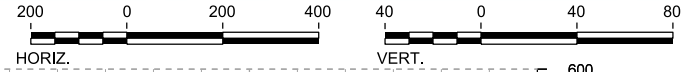
Client  
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL  
PLAN AND PROFILE  
WT 1354+00 TO WT 1410+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01278
Rev	01



PLAN



STATIONING	WT 1410+00	WT 1420+00	WT 1430+00	WT 1440+00	WT 1450+00	WT 1460+00	WT 1466+00																						
HOR. ALIGNMENT			R=42000 L=6599		L=9754.09 G=0.900%	L=1150	L=3192																						
VER. ALIGNMENT							R=130000																						
CUT AND FILL	+9.5	+24.3	+21.0	+2.9	-4.8	-3.3	+2.5	+6.8	+12.7	+15.8	+19.4	+13.0	+12.8	+12.0	+10.4	+7.9	+13.7	+12.7	+11.9	+14.0	+13.5	+10.6	+10.6	+8.8	+10.6	+8.4	+9.9	+9.4	+10.8
TYP. SECTION	(G)	VIADUCT (K)	(G)		CUT (H)																								

PROFILE

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

REV	DATE	BY	CHK	APP	DESCRIPTION

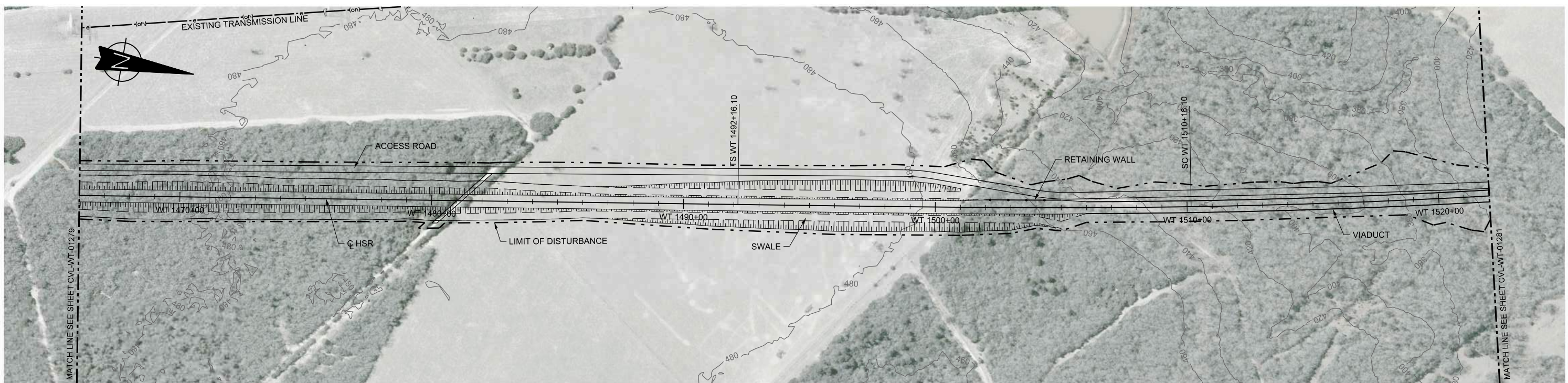
**ARUP**  
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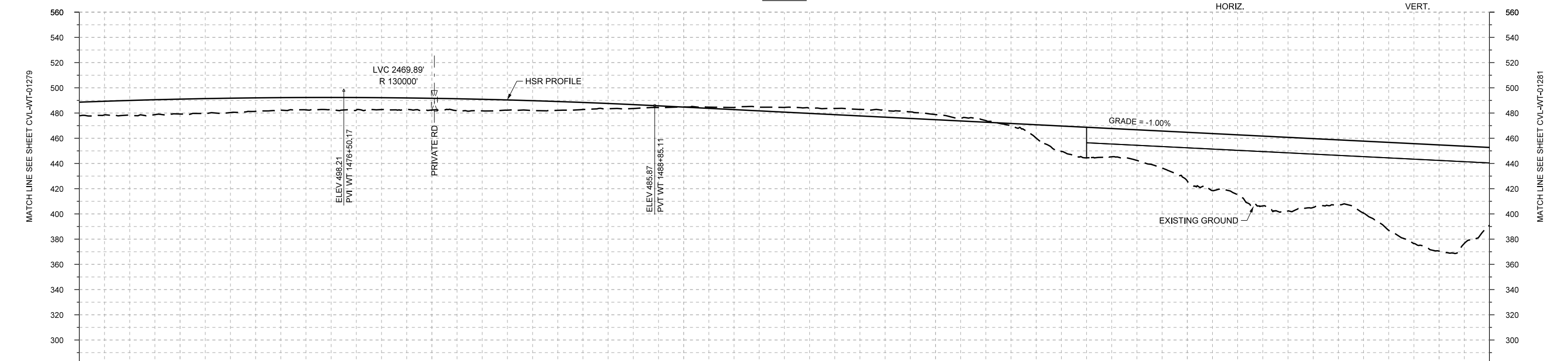
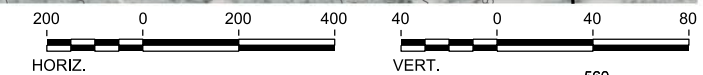
Client  
  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE**  
 WT 1410+00 TO WT 1466+00

Scale  
 AS SHOWN  
 Drawing Status  
**FINAL DRAFT**  
 Job No 234180 Drawing No CVL-WT-01279 Rev 01



PLAN



PROFILE

STATIONING	WT 1466+00	WT 1470+00	WT 1480+00	WT 1490+00	WT 1500+00	WT 1510+00	WT 1520+00	WT 1522+00																					
HOR. ALIGNMENT	L=3192			L=1800			R=30000 L=18275																						
VER. ALIGNMENT	R=130000				L=6494.27 G=-1.000%																								
CUT AND FILL	+10.8	+11.7	+11.8	+11.4	+10.0	+9.5	+9.5	+9.3	+9.2	+7.8	+5.5	+3.1	-0.1	-1.7	-3.8	-5.0	-5.5	-4.1	-1.3	+10.6	+24.2	+24.3	+38.6	+47.8	+58.3	+51.6	+68.7	+84.2	+61.8
TYP. SECTION	EMBANKMENT (F)										CUT (C)					VIADUCT (E)													

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

REV	DATE	BY	CHK	APP	DESCRIPTION

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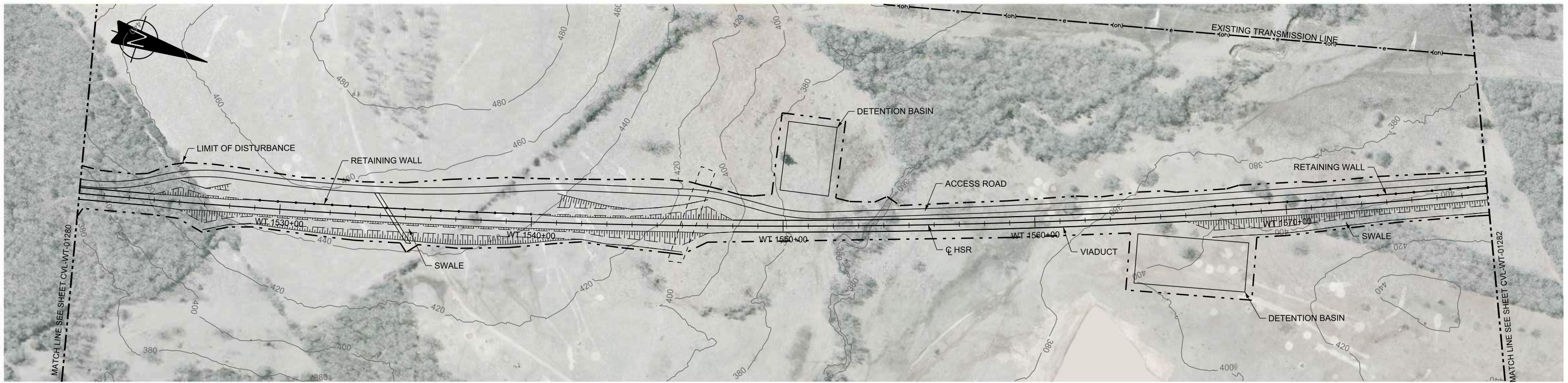
Client

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

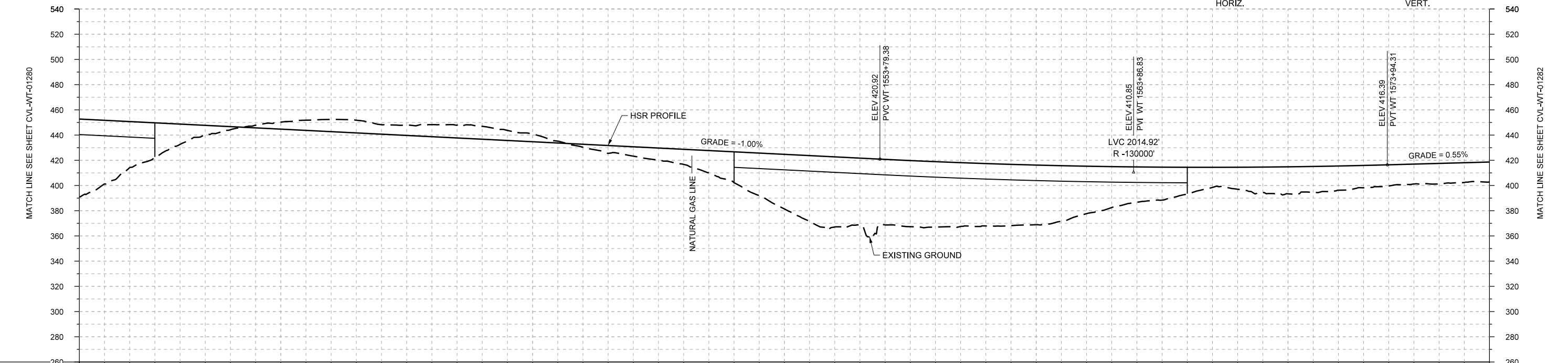
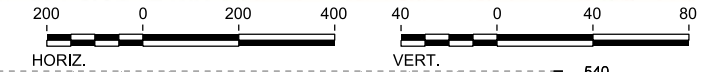
Drawing Title

**WEST OF TEAGUE SEGMENT CIVIL**  
**PLAN AND PROFILE**  
**WT 1466+00 TO WT 1522+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01280
Rev	01



PLAN



PROFILE

STATIONING	WT 1522+00	WT 1530+00	WT 1540+00	WT 1550+00	WT 1560+00	WT 1570+00	WT 1578+00	
HOR. ALIGNMENT	R=30000 L=18275							
VER. ALIGNMENT	L=6494.27 G=-1.000%							
CUT AND FILL	+61.8	+36.5	+16.1	+2.4	-5.6	-9.7	-7.6	
					-9.6	-10.2	-6.1	
					+2.3	+7.4	+12.0	
					+24.5	+43.3	+55.6	
					+52.0	+51.9	+49.5	
					+47.3	+37.6	+26.0	
					+21.1	+17.4	+21.4	
						+19.2	+16.7	
							+16.0	
							+15.6	
TYP. SECTION	VIADUCT (E)		EMBANKMENT (A)		CUT (C)		EMBANKMENT (A)	
					VIADUCT (E)		EMBANKMENT (F)	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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

Client

**TEXAS CENTRAL**

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

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 1522+00 TO WT 1578+00**

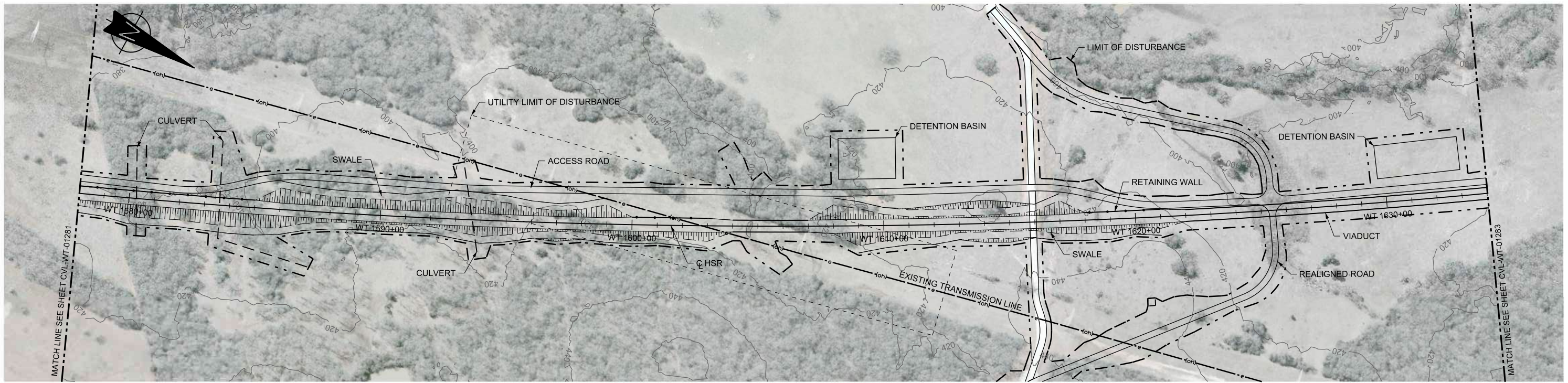
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Drawing Status  
**FINAL DRAFT**

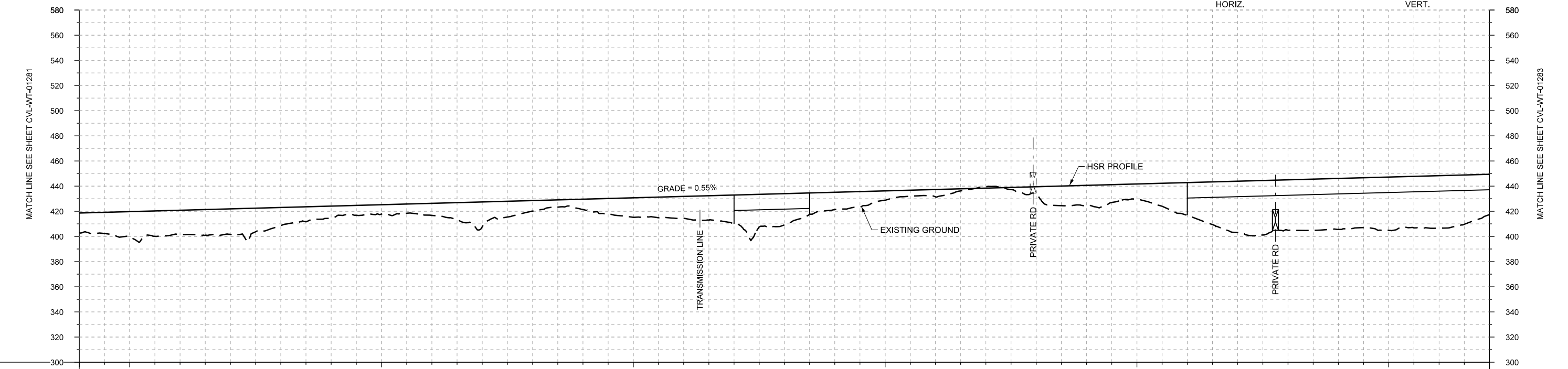
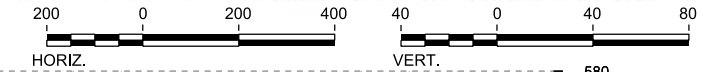
Job No  
234180

Drawing No  
CVL-WT-01281

Rev  
01



PLAN



PROFILE

STATIONING	WT 1578+00	WT 1580+00		WT 1590+00		WT 1600+00		WT 1610+00		WT 1620+00		WT 1630+00	WT 1634+00																
HOR. ALIGNMENT	R=-30000 L=18275																												
VER. ALIGNMENT	L=6746.19 G=0.550%																												
CUT AND FILL	+15.6	+20.1	+19.3	+20.3	+14.3	+9.6	+7.4	+9.6	+19.7	+8.3	+8.2	+15.5	+17.5	+23.0	+24.8	+13.7	+7.4	+5.8	-1.1	+6.3	+15.8	+12.0	+25.0	+40.8	+40.1	+40.6	+42.4	+41.7	+32.1
TYP. SECTION	EMBANKMENT (F)													VIADUCT (E)		EMBANKMENT (F)		CUT (H)		EMBANKMENT (F)		VIADUCT (E)							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

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Texas Registered Engineering Firm: F-2144

Client

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

Drawing Title

WEST OF TEAGUE SEGMENT  
CIVIL  
PLAN AND PROFILE  
WT 1578+00 TO WT 1634+00

Scale

AS SHOWN

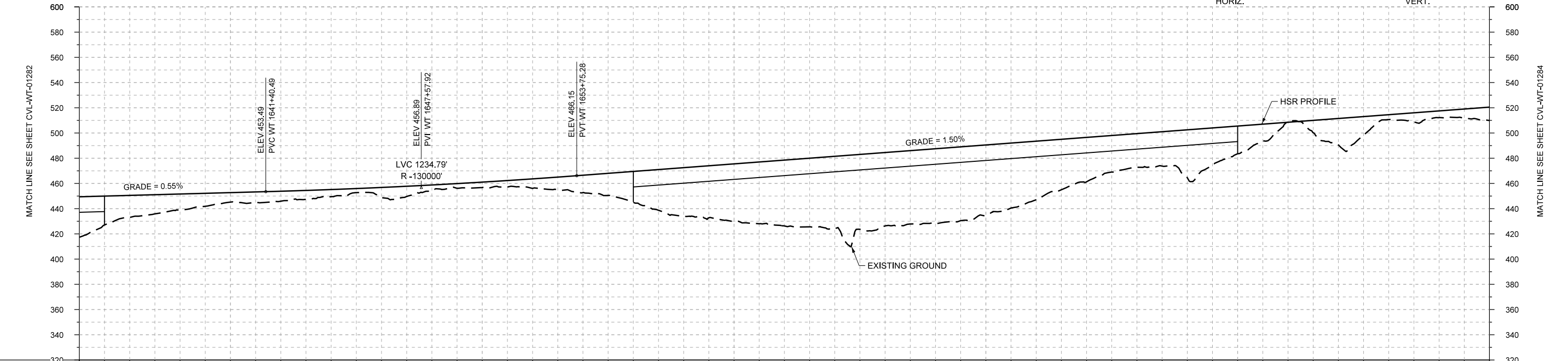
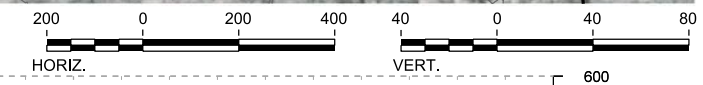
Drawing Status

FINAL DRAFT

Job No	234180	Drawing No	CVL-WT-01282	Rev	01
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PLAN



PROFILE

STATIONING	WT 1634+00	WT 1640+00	WT 1650+00	WT 1660+00	WT 1670+00	WT 1680+00	WT 1690+00																						
HOR. ALIGNMENT	R=30000 L=18275																												
VER. ALIGNMENT	L=6746.19 G=0.550%			R=130000		L=7665.01 G=1.500%																							
CUT AND FILL	+32.1	+17.5	+12.6	+7.5	+7.9	+5.7	+7.7	+4.8	+4.3	+7.5	+13.7	+24.4	+38.6	+45.7	+52.2	+57.4	+58.2	+58.8	+55.7	+48.4	+35.2	+26.6	+37.9	+22.0	-0.6	+20.9	+3.8	+5.3	+10.6
TYP. SECTION	(E) EMBANKMENT (A)		RETAINED FILL (B) (C)		EMBANKMENT (A)			VIADUCT (E)					CUT (C)		(A)		(B)		(C)		EMBANKMENT (A)								

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

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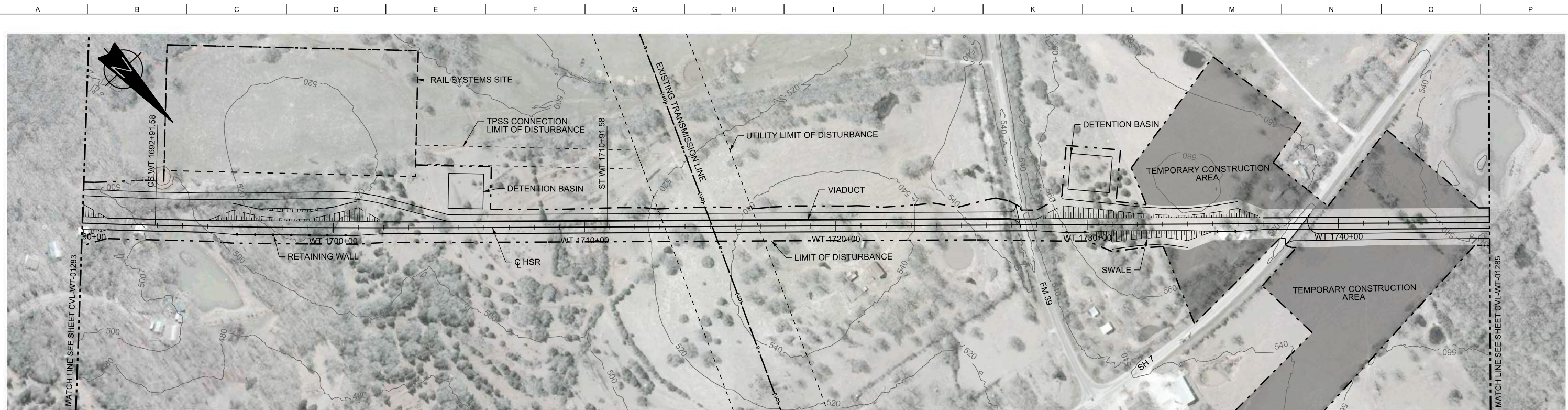
**FREESSE AND NICHOLS**  
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 Dallas, Texas 75204  
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 Texas Registered Engineering Firm: F-2144

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

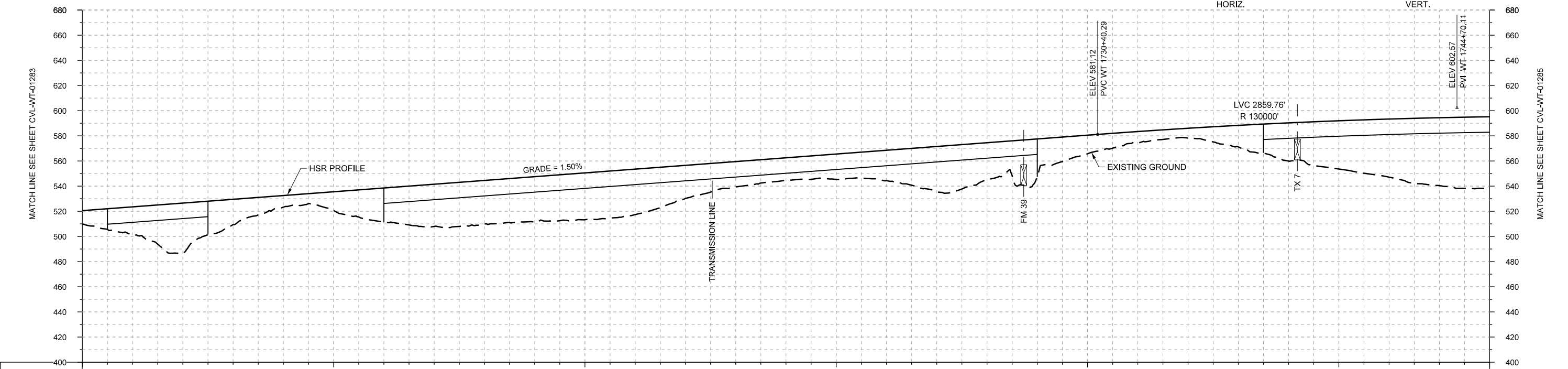
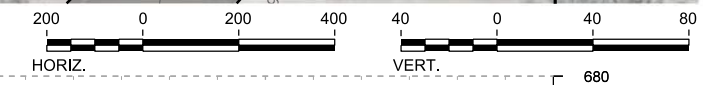
Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE**  
 WT 1634+00 TO WT 1690+00

Scale  
 AS SHOWN  
 Drawing Status  
**FINAL DRAFT**  
 Job No 234180 Drawing No CVL-WT-01283 Rev 01





PLAN



STATIONING	WT 1690+00	WT 1700+00	WT 1710+00	WT 1720+00	WT 1730+00	WT 1740+00	WT 1746+00																						
HOR. ALIGNMENT	R=30000 L=18275		L=1800		L=51194																								
VER. ALIGNMENT			L=7665.01 G=1.500%		R=130000																								
CUT AND FILL	+10.6	+22.5	+40.1	+20.2	+9.2	+15.0	+27.4	+33.5	+34.8	+36.0	+37.2	+36.1	+26.3	+20.1	+16.0	+20.2	+24.2	+36.0	+29.5	+30.2	+14.8	+9.0	+7.7	+17.1	+30.4	+38.4	+48.2	+54.0	+57.1
TYP. SECTION	(A)	VIADUCT (E)		EMBANKMENT (A)		VIADUCT (E)		EMBANKMENT (A)		VIADUCT (E)																			

PROFILE

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

REV	DATE	BY	CHK	APP	DESCRIPTION

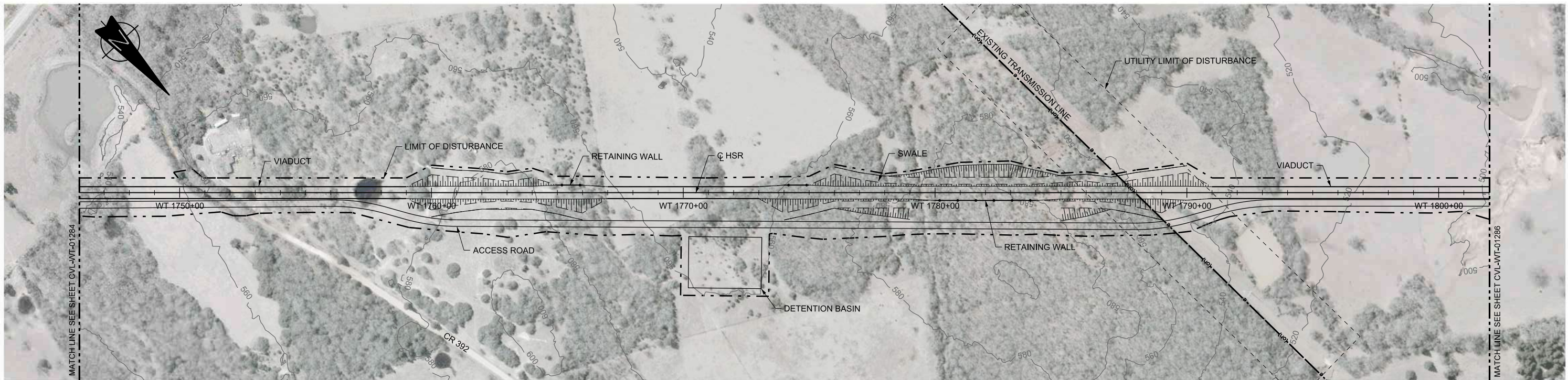
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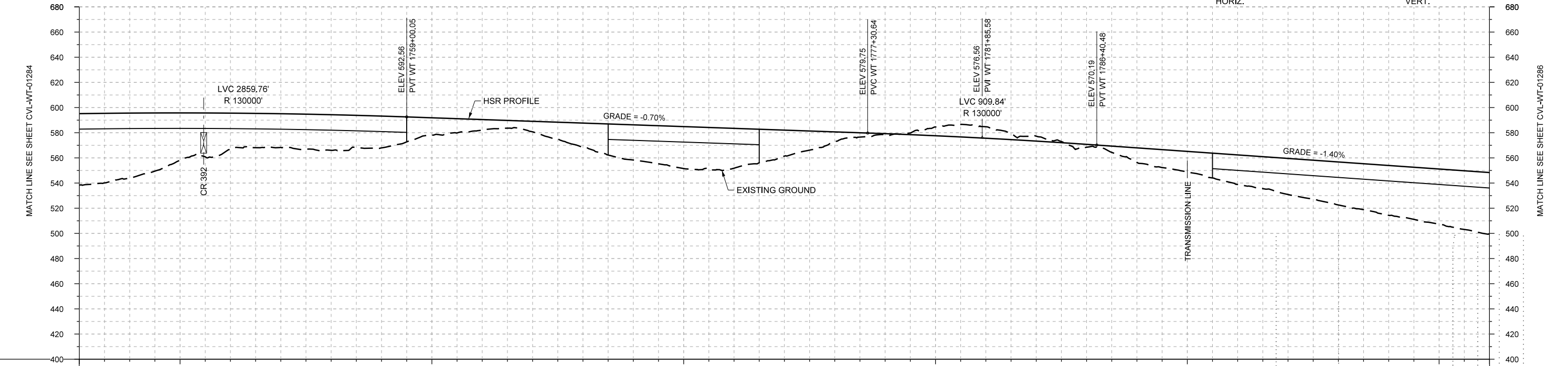
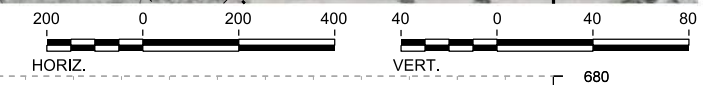
Client  
  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE**  
 WT 1690+00 TO WT 1746+00

Scale  
 AS SHOWN  
 Drawing Status  
**FINAL DRAFT**  
 Job No 234180 Drawing No CVL-WT-01284 Rev 01



PLAN



PROFILE

STATIONING	WT 1746+00	WT 1750+00	WT 1760+00	WT 1770+00	WT 1780+00	WT 1790+00	WT 1800+00	WT 1802+00																					
HOR. ALIGNMENT	L=51194																												
VER. ALIGNMENT	R=130000		L=1830.59 G=-0.700%			R=130000		L=4126.00 G=-1.400%																					
CUT AND FILL	+57.1	+51.6	+37.5	+28.8	+26.7	+28.3	+25.3	+13.8	+8.5	+8.4	+18.7	+28.0	+33.4	+31.7	+20.7	+7.7	+1.0	-7.0	-9.2	-4.0	+2.3	+11.6	+18.4	+23.6	+28.7	+34.2	+38.7	+43.8	+48.7
TYP. SECTION	VIADUCT (E)			EMBANKMENT (A)			VIADUCT (E)			EMBANKMENT (A)			CUT (C)			EMBANKMENT (A)			VIADUCT (E)										

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**



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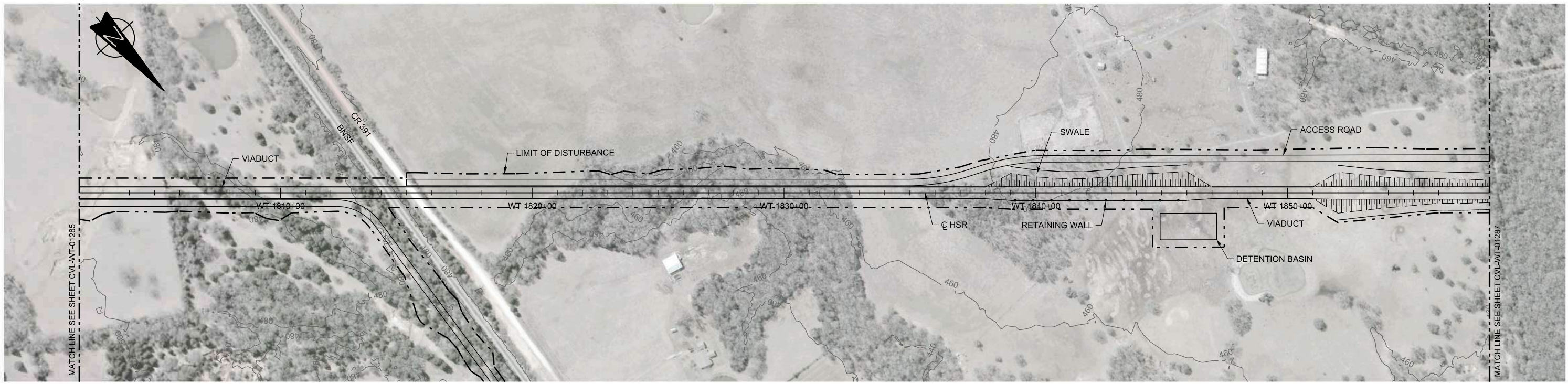
2711 North Haskell Ave., Suite 3300  
Dallas, Texas 75204  
Tel (214) 217 2200 Fax (214) 217 2201  
www.freese.com  
Texas Registered Engineering Firm: F-2144



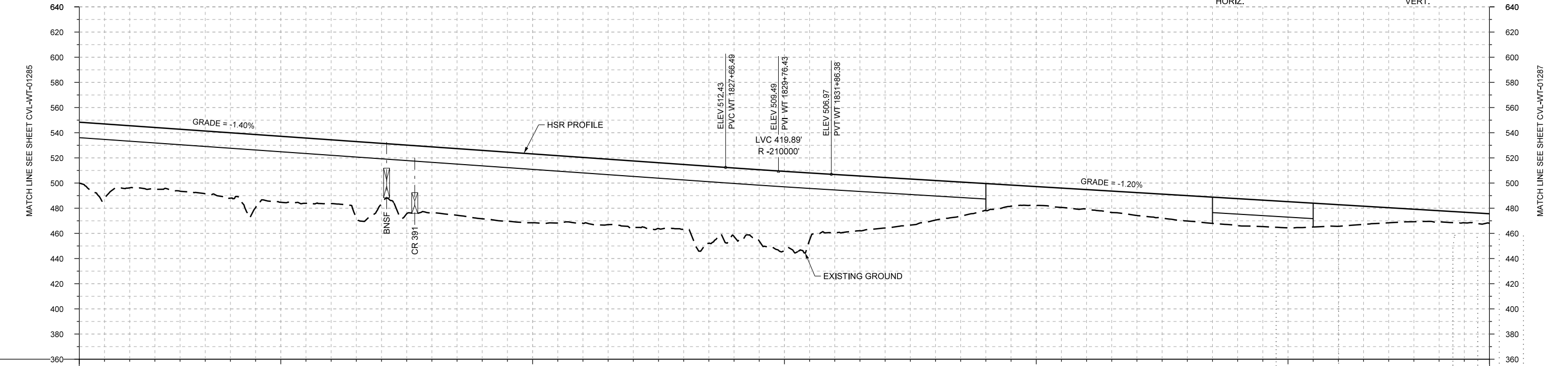
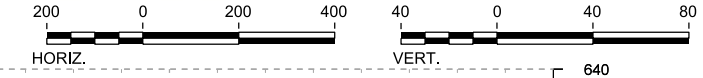
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 1746+00 TO WT 1802+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01285
Rev	01



PLAN



PROFILE

STATIONING	WT 1802+00	WT 1810+00	WT 1820+00	WT 1830+00	WT 1840+00	WT 1850+00	WT 1858+00
HOR. ALIGNMENT	L=51194						
VER. ALIGNMENT	L=4126.00 G=-1.400%			R=210000'		L=7057.19 G=-1.200%	
CUT AND FILL	+48.7	+49.4	+49.3	+52.0	+52.5	+50.7	+48.3
TYP. SECTION	VIADUCT (E)			EMBANKMENT (A)		VIADUCT (E)	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

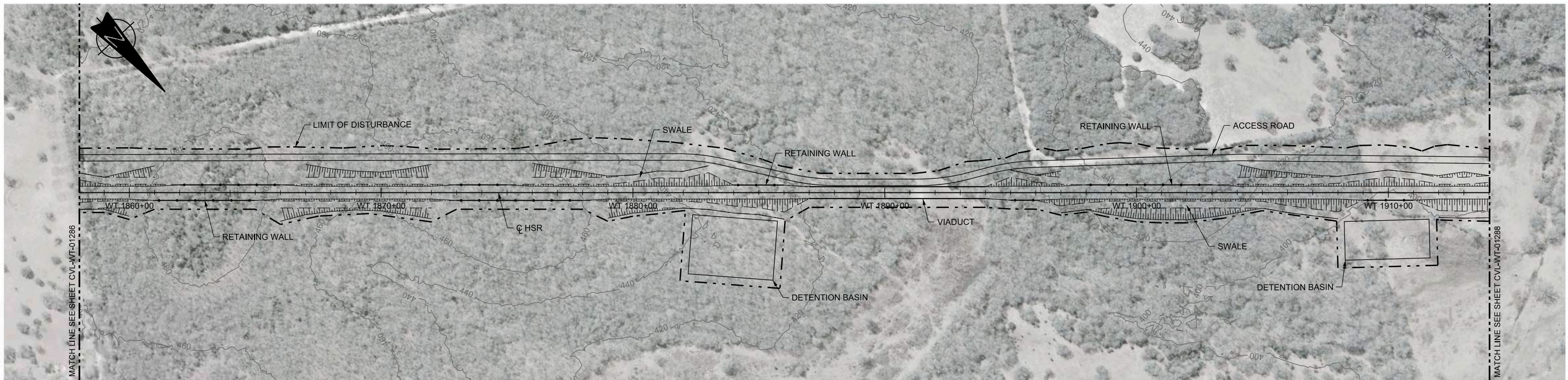
**ARUP**  
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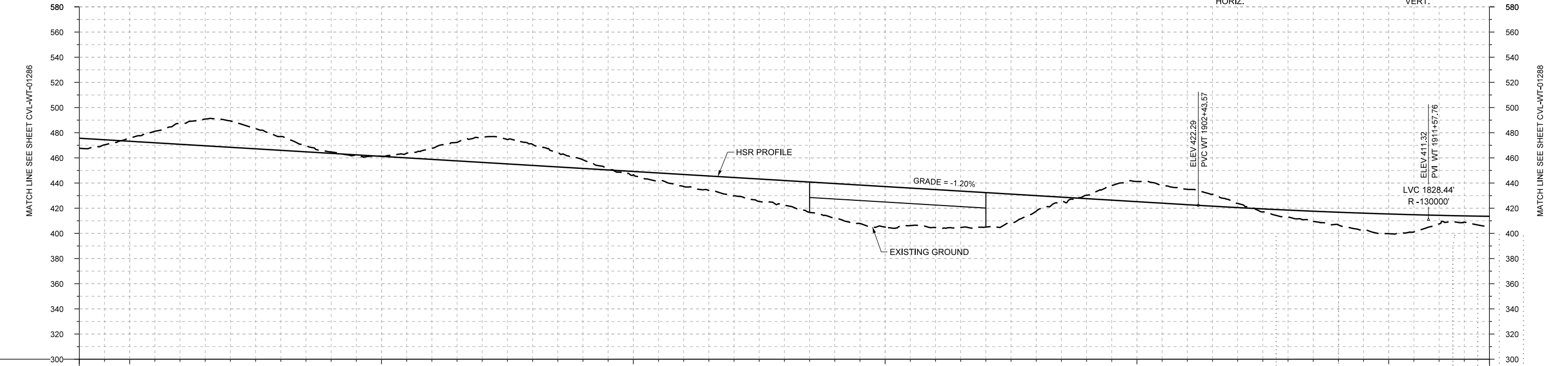
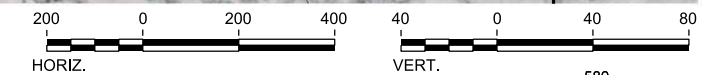
Client  
  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL**  
**PLAN AND PROFILE**  
**WT 1802+00 TO WT 1858+00**

Scale  
 AS SHOWN  
 Drawing Status  
**FINAL DRAFT**  
 Job No 234180 Drawing No CVL-WT-01286 Rev 01



PLAN



PROFILE

STATIONING	WT 1858+00	WT 1860+00		WT 1870+00		WT 1880+00		WT 1890+00		WT 1900+00		WT 1910+00	WT 1914+00																	
HOR. ALIGNMENT	L=51194																													
VER. ALIGNMENT	L=7057.19 G=-1.200%																													
CUT AND FILL	+7.7	-2.5	-16.6	-21.1	-10.9	-1.1	-0.1	-8.8	-19.9	-16.7	-6.9	+2.6	+9.5	+14.6	+19.6	+27.4	+32.3	+30.2	+27.4	+12.3	-2.7	-16.1	-12.2	-3.3	+5.5	+10.1	+15.6	+6.8	-8.6	
TYP. SECTION	(A)	CUT (C)	RETAINED CUT (D)		CUT (C)		RETAINED CUT (D)		CUT (C)		EMBANKMENT (A)		EMBANKMENT (A)	VIADUCT (E)	EMBANKMENT (A)	(D)	CUT (C)		EMBANKMENT (A)											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

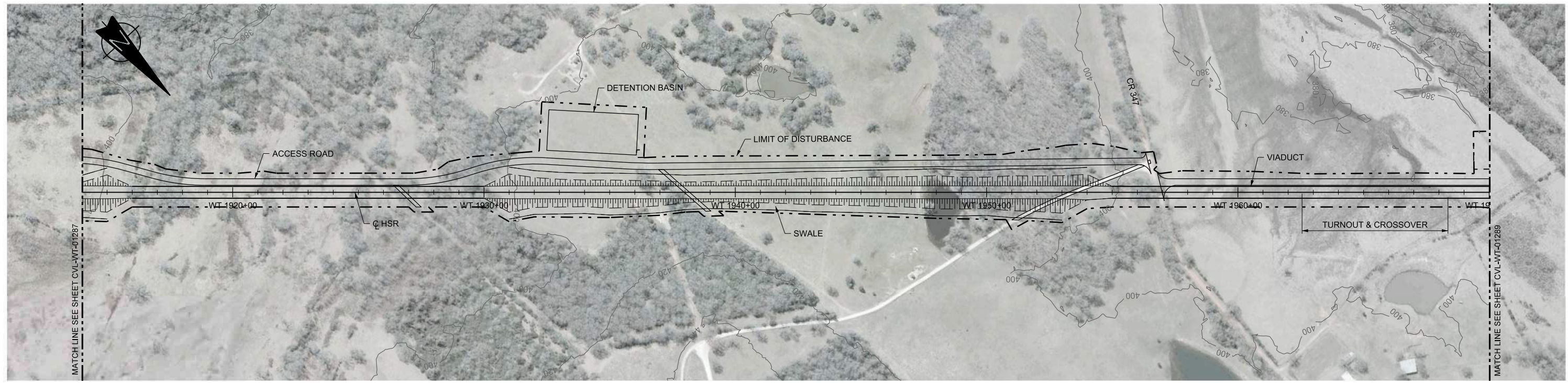
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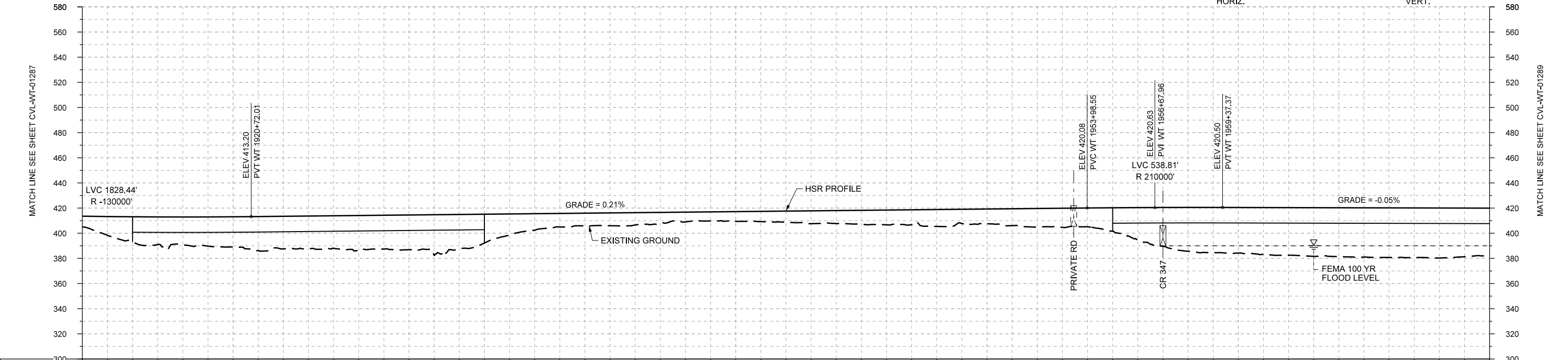
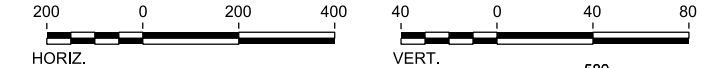
Client  
  
**TEXAS CENTRAL**  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 1858+00 TO WT 1914+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	Drawing No	Rev	
234180	CVL-WT-01287	01	



PLAN



STATIONING	WT 1914+00	WT 1920+00	WT 1930+00	WT 1940+00	WT 1950+00	WT 1960+00	WT 1970+00
HOR. ALIGNMENT	L=51194						
VER. ALIGNMENT	R=130000		L=3326.55 G=0.207%			R=210000	
CUT AND FILL	+8.6	+20.0	+22.1	+24.0	+25.9	+25.9	+32.3
TYP. SECTION	VIADUCT (E)		EMBANKMENT (A)			VIADUCT (E)	

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

**ARUP**

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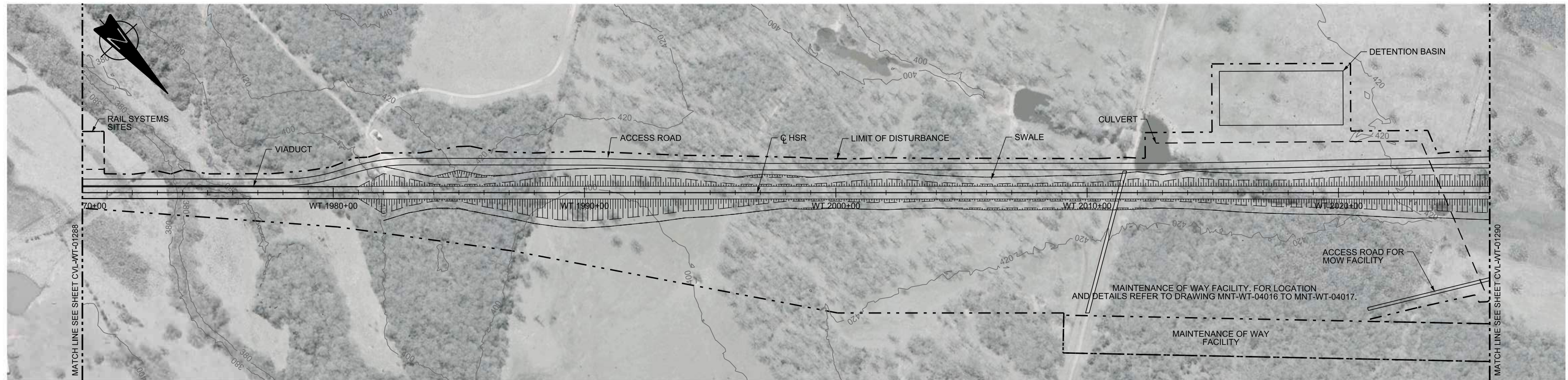
Client

**TEXAS CENTRAL**

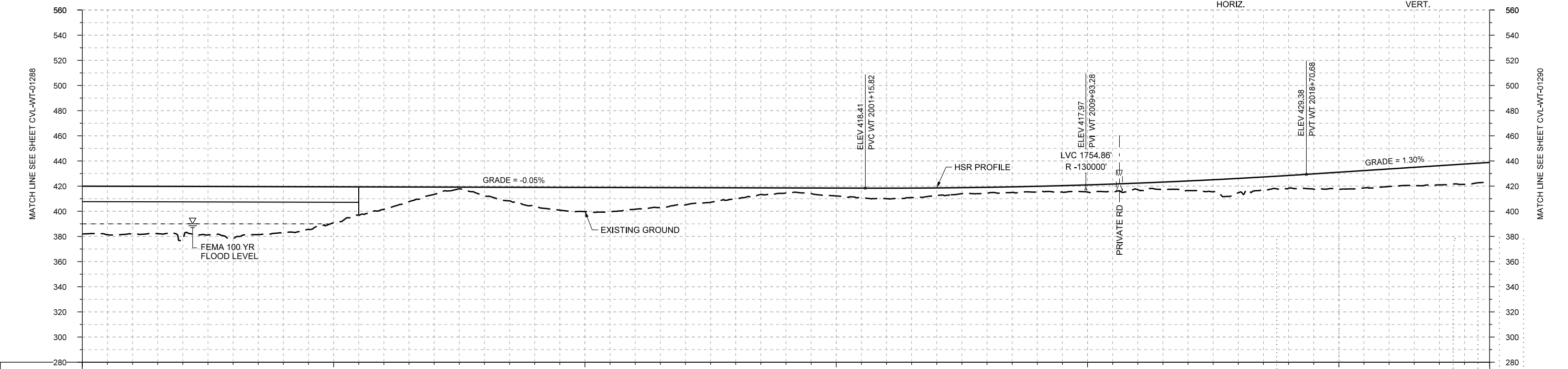
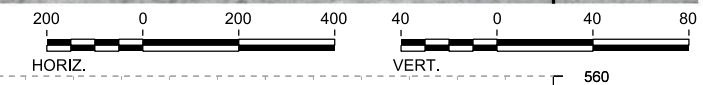
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL  
PLAN AND PROFILE  
WT 1914+00 TO WT 1970+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01288
Rev	01



PLAN



STATIONING	WT 1970+00	WT 1980+00	WT 1990+00	WT 2000+00	WT 2010+00	WT 2020+00	WT 2026+00																						
HOR. ALIGNMENT	L=51194																												
VER. ALIGNMENT	L=4178.45 G=-0.050%			R=-130000		L=3943.91 G=1.300%																							
CUT AND FILL	+36.0	+35.2	+42.8	+40.9	+36.9	+28.6	+17.8	+5.9	+6.8	+15.0	+19.3	+17.3	+13.7	+8.8	+4.1	+6.3	+8.4	+6.1	+4.7	+4.6	+5.8	+5.2	+7.6	+11.4	+10.2	+13.7	+14.0	+15.3	+15.9
TYP. SECTION	VIADUCT (E)			EMBANKMENT (A)		CUT (C)		EMBANKMENT (A)		CUT (C)		EMBANKMENT (A)																	

PROFILE

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

REV	DATE	BY	CHK	APP	DESCRIPTION



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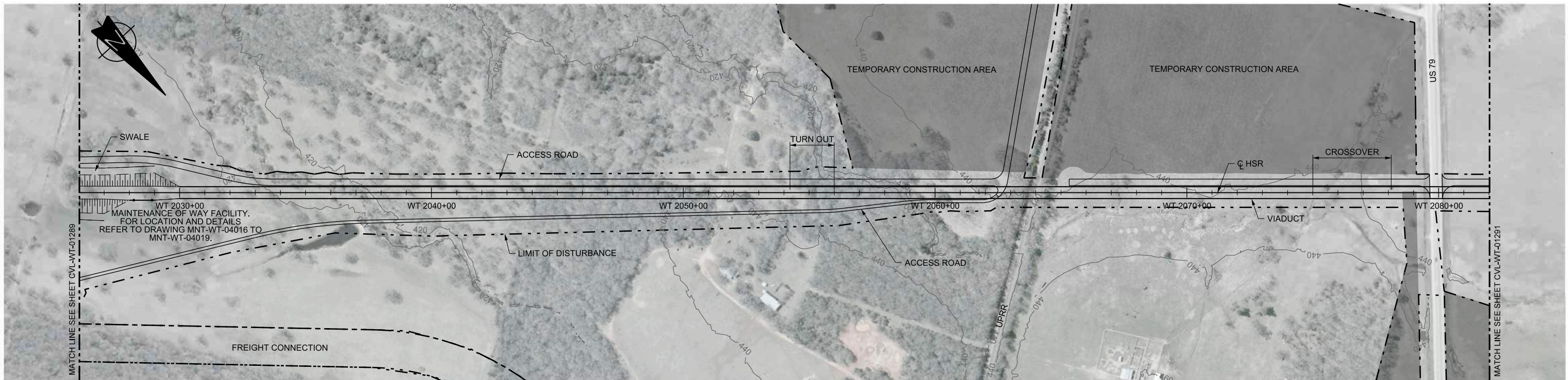
2711 North Haskell Ave., Suite 3300  
Dallas, Texas 75204  
Tel (214) 217 2200 Fax (214) 217 2201  
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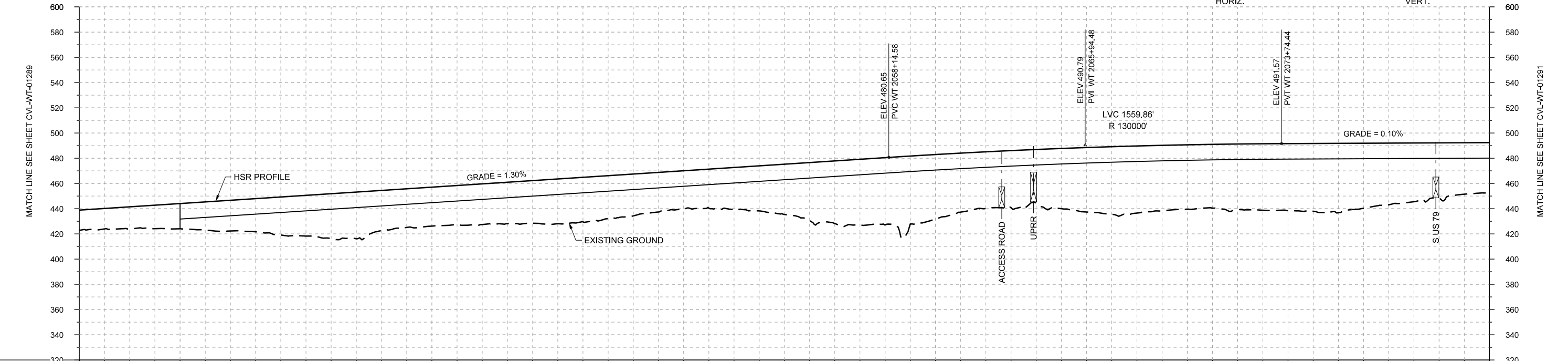
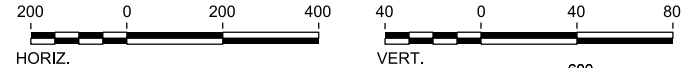
Client  
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
WEST OF TEAGUE SEGMENT  
CIVIL  
PLAN AND PROFILE  
WT 1970+00 TO WT 2026+00

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01289
Rev	01



PLAN



PROFILE

STATIONING	WT 2026+00	WT 2030+00	WT 2040+00	WT 2050+00	WT 2060+00	WT 2070+00	WT 2080+00	WT 2082+00	
HOR. ALIGNMENT	L=51194								
VER. ALIGNMENT	L=3943.91 G=1.300%				R=130000			L=2629.72 G=0.100%	
CUT AND FILL	+15.9	+17.5	+20.1	+24.4	+30.2	+35.6	+31.9	+30.9	
TYP. SECTION	EMBANKMENT (A)			VIADUCT (E)					+40.0

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

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**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

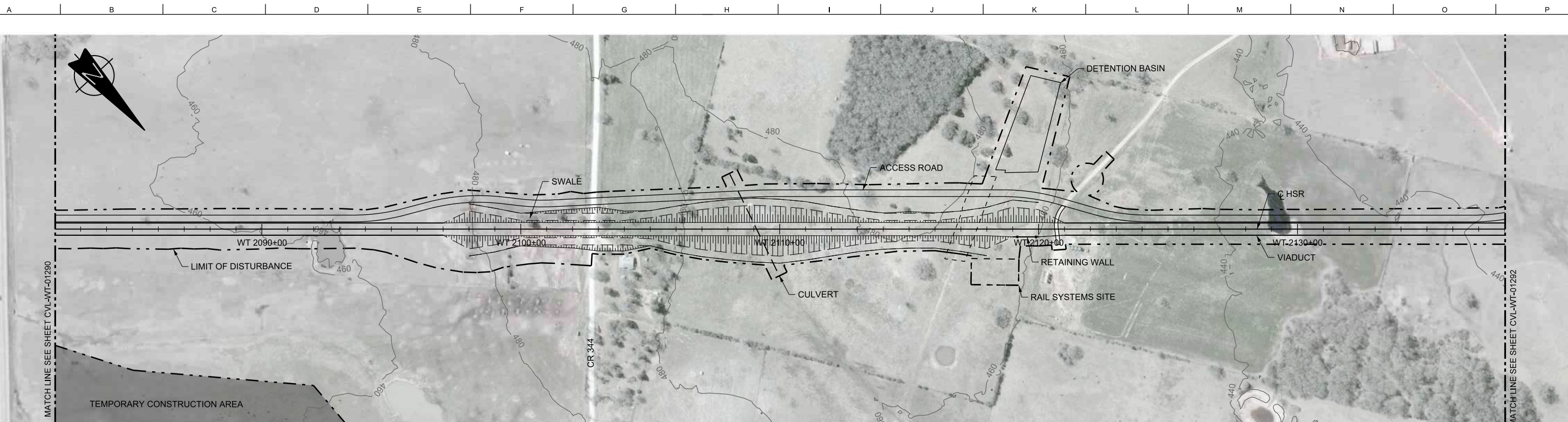
**ARUP**  
 Arup Texas, Inc.  
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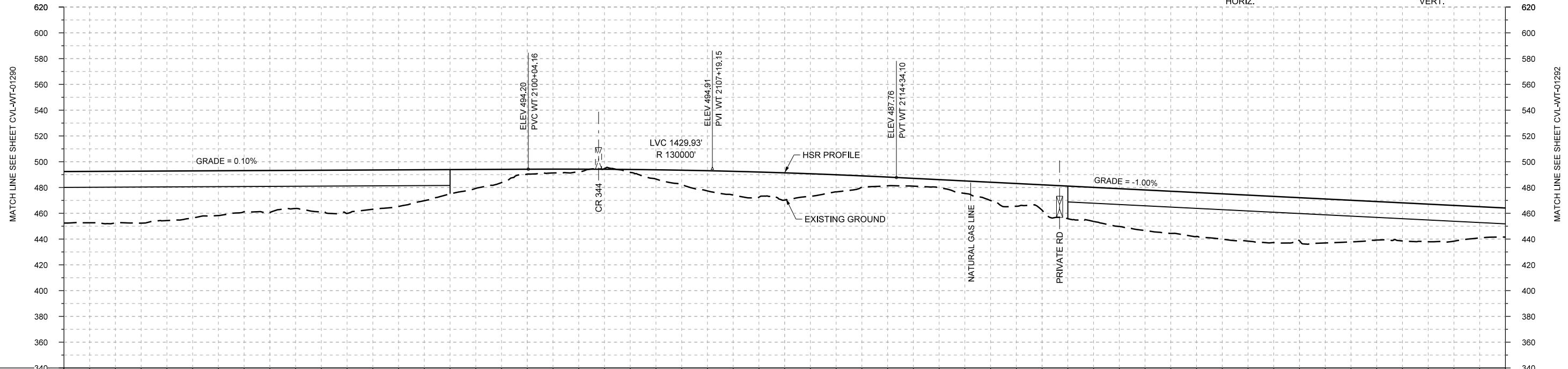
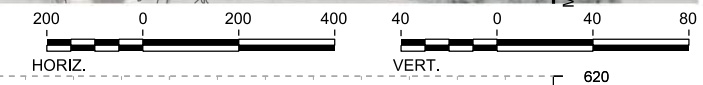
Client  
  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2026+00 TO WT 2082+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01290
Rev	01



PLAN



PROFILE

STATIONING	WT 2082+00	WT 2090+00	WT 2100+00	WT 2110+00	WT 2120+00	WT 2130+00	WT 2138+00	
HOR. ALIGNMENT	L=51194							
VER. ALIGNMENT	L=2629.72 G=0.100%			R=130000		L=2527.23 G=-1.000%		
CUT AND FILL	+40.0	+40.2	+38.4	+34.7	+32.7	+32.3	+30.5	
			+24.0	+14.7	+3.8	+2.2	+2.3	
			+10.7	+18.4	+21.2	+13.3	+6.8	
			+6.2	+14.2	+13.7	+26.4	+31.5	
			+34.1	+35.7	+33.4	+32.3	+29.5	
			+27.7	+22.6				
TYP. SECTION	VIADUCT (E)		EMBANKMENT (A)		CUT (C)		EMBANKMENT (A)	
							VIADUCT (E)	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**



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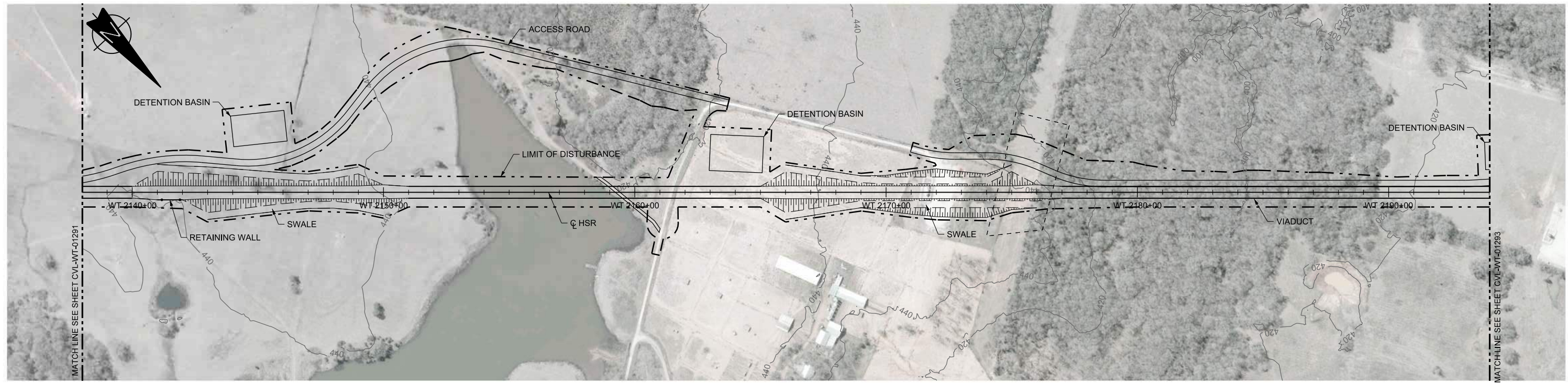


Client  
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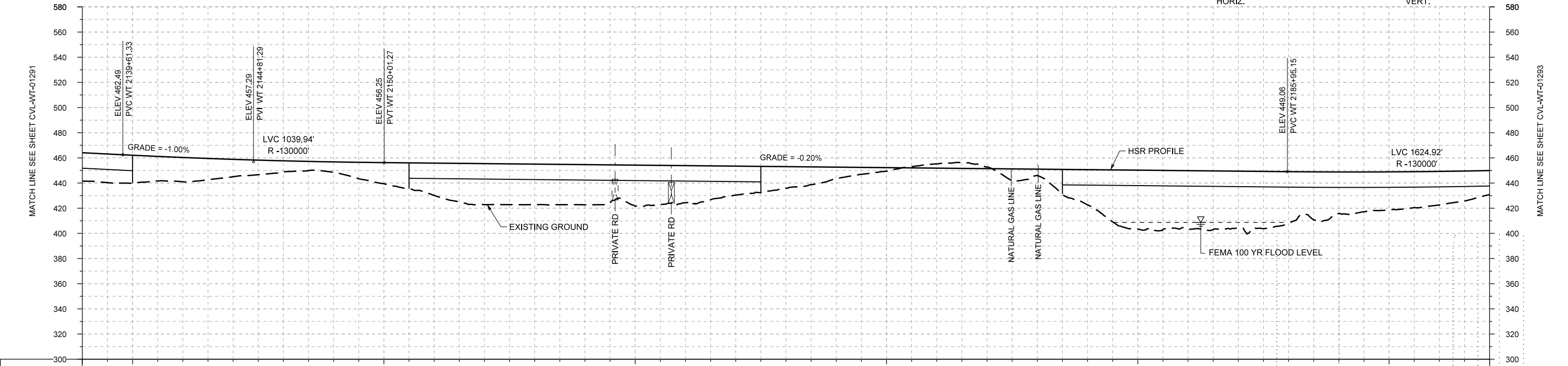
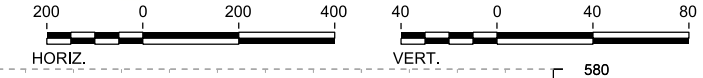
Drawing Title  
**WEST OF TEAGUE SEGMENT  
CIVIL  
PLAN AND PROFILE  
WT 2082+00 TO WT 2138+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	234180	Drawing No	CVL-WT-01291
			01





PLAN



PROFILE

STATIONING	WT 2138+00	WT 2140+00	WT 2150+00	WT 2160+00	WT 2170+00	WT 2180+00	WT 2190+00	WT 2194+00																					
HOR. ALIGNMENT	L=51194																												
VER. ALIGNMENT	L=2527.23 G=-1.000%		R=-130000			L=3593.89 G=-0.200%		R=-130000																					
CUT AND FILL	+22.6	+22.3	+19.2	+13.8	+8.8	+8.3	+16.9	+25.7	+32.6	+32.3	+32.0	+32.6	+29.5	+23.0	+17.1	+9.1	+2.9	-3.4	-1.3	+5.0	+28.0	+46.8	+46.4	+44.8	+41.0	+33.1	+30.3	+26.7	+19.1
TYP. SECTION	(E)		EMBANKMENT (A)			VIADUCT (E)			EMBANKMENT (A)			CUT (C)			VIADUCT (E)														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
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DRAWN BY  
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CHECKED BY  
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**C. TAYLOR**

DATE  
**09/15/2017**

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Texas Registered Engineering Firm: F-2144

Client

**TEXAS CENTRAL**

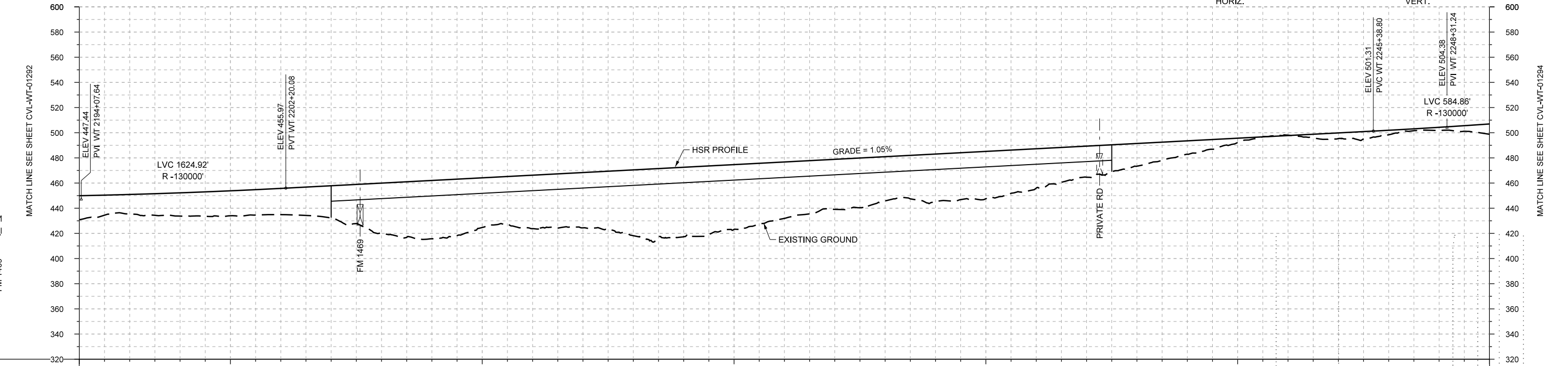
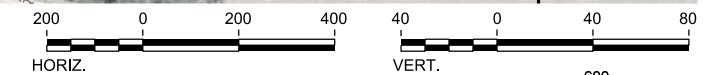
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2138+00 TO WT 2194+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01292
Rev	01



PLAN



PROFILE

STATIONING	WT 2194+00	WT 2200+00	WT 2210+00	WT 2220+00	WT 2230+00	WT 2240+00	WT 2250+00																						
HOR. ALIGNMENT	L=51194			L=1150		R=42000 L=11243																							
VER. ALIGNMENT	R=130000		L=4318.73 G=1.050%			R=130000																							
CUT AND FILL	+19.1	+15.5	+18.4	+19.8	+20.9	+25.6	+39.8	+46.4	+39.5	+42.5	+44.0	+52.3	+55.2	+51.5	+44.9	+39.8	+35.2	+36.2	+37.6	+31.4	+24.8	+18.1	+10.7	+3.5	-0.3	+4.5	+3.6	+2.4	+8.2
TYP. SECTION	EMBANKMENT (A)				VIADUCT (E)								EMBANKMENT (A)		CUT (C)	EMBANKMENT (A)	CUT (C)	(A)											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

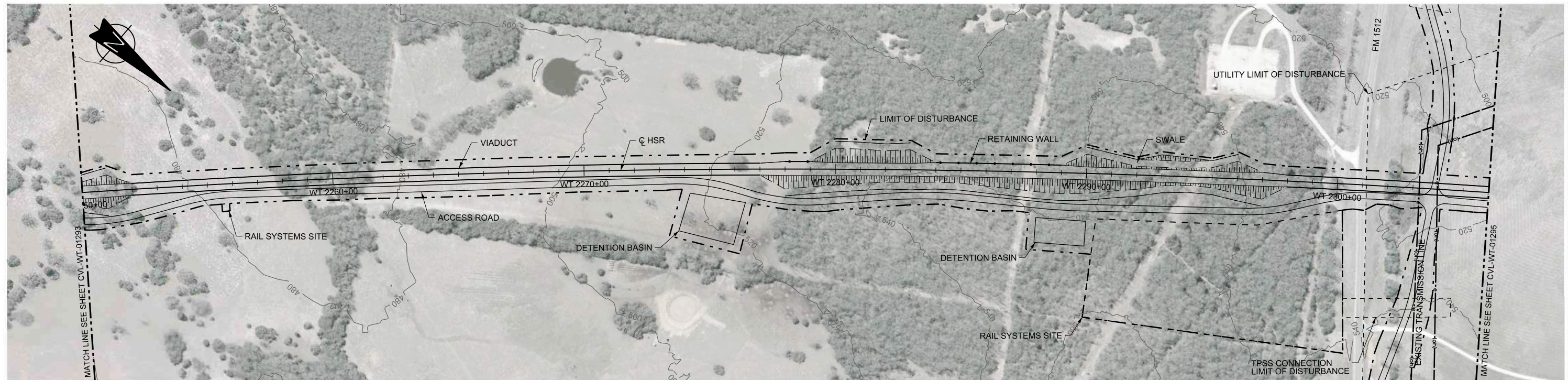
**ARUP**  
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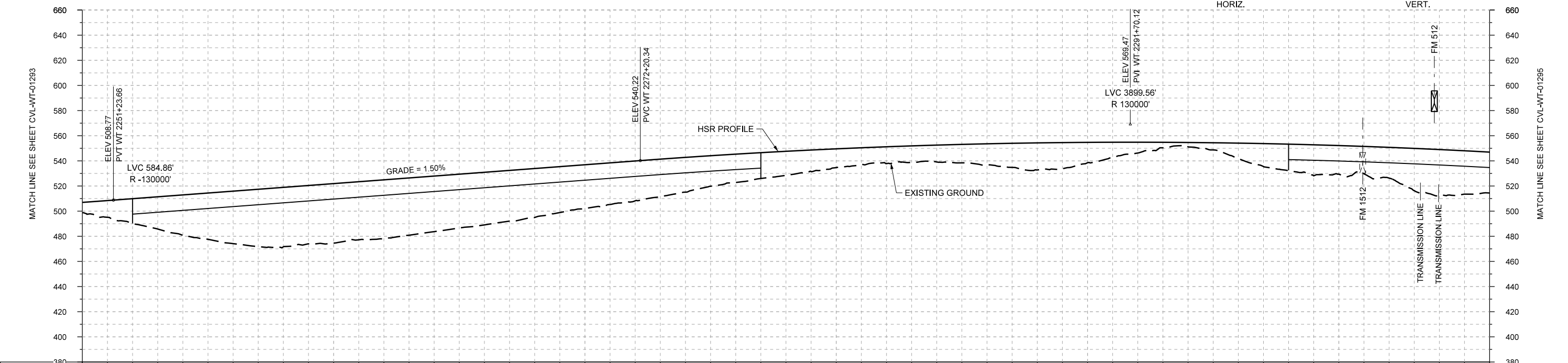
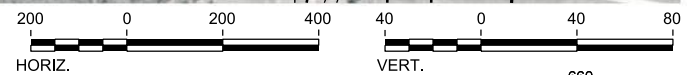
Client  
  
**TEXAS CENTRAL**  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2194+00 TO WT 2250+00**

Scale AS SHOWN	Drawing Status <b>FINAL DRAFT</b>
Job No 234180	Drawing No CVL-WT-01293
	Rev 01



PLAN



STATIONING	WT 2250+00	WT 2260+00	WT 2270+00	WT 2280+00	WT 2290+00	WT 2300+00	WT 2306+00																						
HOR. ALIGNMENT				R=42000 L=11243																									
VER. ALIGNMENT	R=130000 L=2096.68 G=1.500%			R=130000																									
CUT AND FILL	+8.2	+19.8	+32.0	+41.7	+47.3	+47.4	+46.6	+44.2	+41.8	+38.9	+34.9	+31.7	+27.7	+22.6	+19.1	+14.9	+13.4	+13.5	+17.0	+21.5	+16.2	+8.5	+3.5	+12.3	+21.1	+22.8	+24.5	+36.9	+32.6
TYP. SECTION	(A)		VIADUCT (E)										EMBANKMENT (A)					VIADUCT (E)											

PROFILE

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

REV	DATE	BY	CHK	APP	DESCRIPTION

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-1590

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

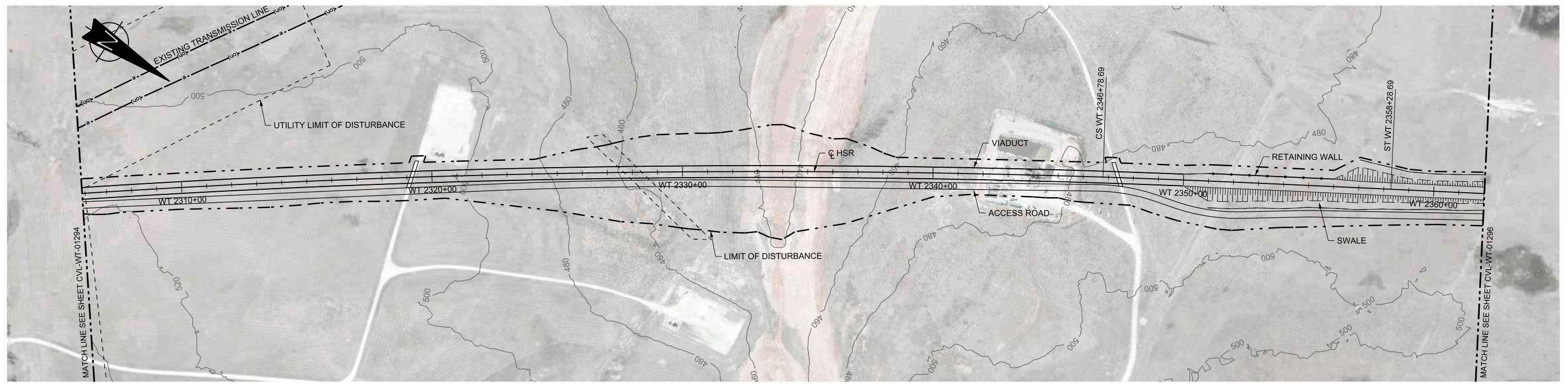
Client  
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL  
PLAN AND PROFILE  
WT 2250+00 TO WT 2306+00**

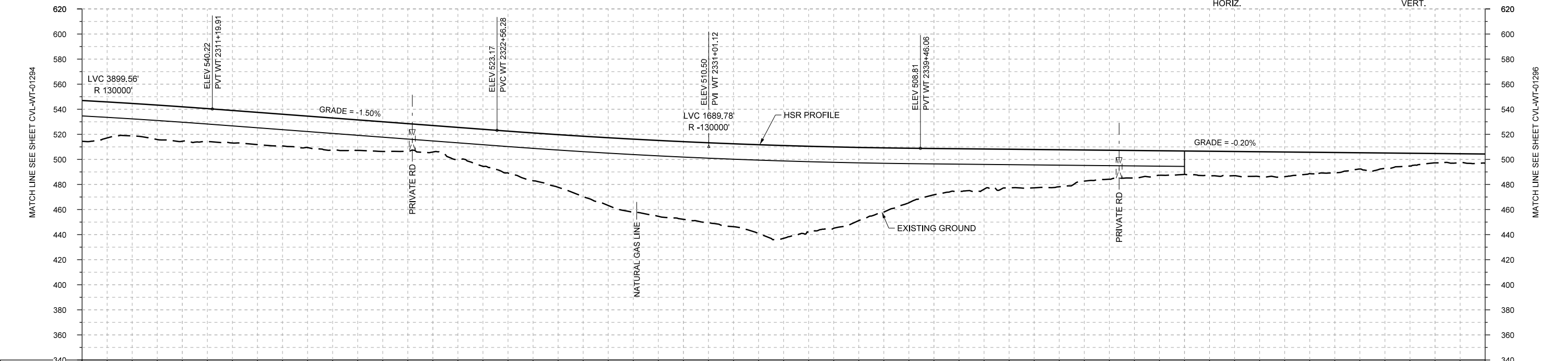
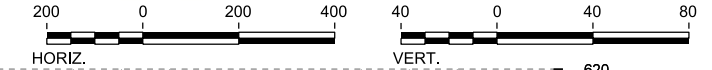
Scale  
AS SHOWN

Drawing Status  
**FINAL DRAFT**

Job No	Drawing No	Rev
234180	CVL-WT-01294	01



PLAN



STATIONING	WT 2306+00	WT 2310+00	WT 2320+00	WT 2330+00	WT 2340+00	WT 2350+00	WT 2360+00	WT 2362+00																					
HOR. ALIGNMENT				R=42000 L=11243	L=1150			L=34770																					
VER. ALIGNMENT	R=130000 L=1136.37 G=-1.500%		R=-130000			L=2275.90 G=-0.200%																							
CUT AND FILL	+32.6	+25.8	+27.5	+25.9	+25.3	+25.5	+23.7	+21.1	+29.6	+38.2	+48.2	+56.0	+61.9	+66.1	+74.1	+65.0	+51.2	+36.9	+32.1	+30.6	+24.8	+21.9	+18.7	+18.3	+19.7	+16.0	+12.3	+7.5	+7.3
TYP. SECTION	VIADUCT (E)															EMBANKMENT (A)													

PROFILE

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

REV	DATE	BY	CHK	APP	DESCRIPTION



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Texas Registered Engineering Firm: F-1990



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

Client



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

Drawing Title

WEST OF TEAGUE SEGMENT  
CIVIL  
PLAN AND PROFILE  
WT 2306+00 TO WT 2362+00

Scale

AS SHOWN

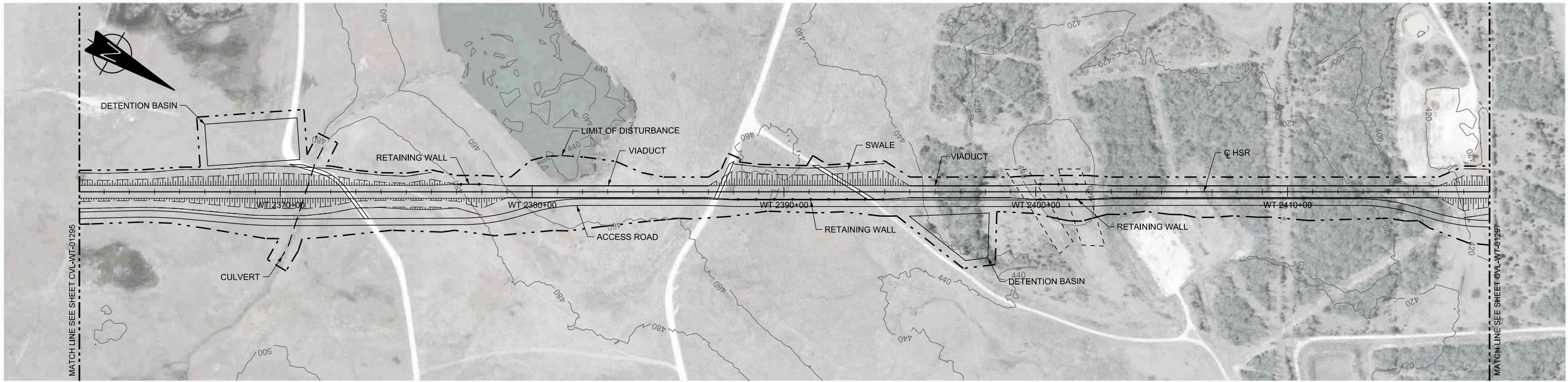
Drawing Status

FINAL DRAFT

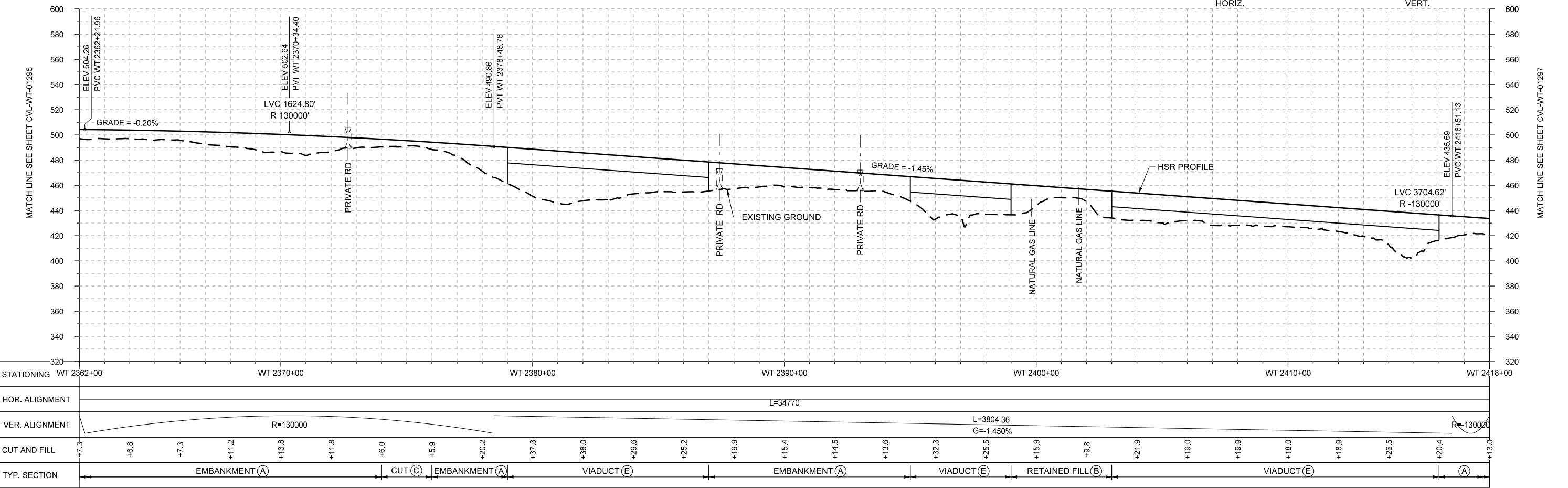
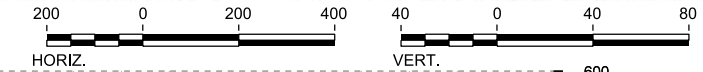
Job No  
234180

Drawing No  
CVL-WT-01295

Rev  
01



PLAN



PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

**ARUP**

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**FREESSE AND NICHOLS**

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

Client

**TEXAS CENTRAL**

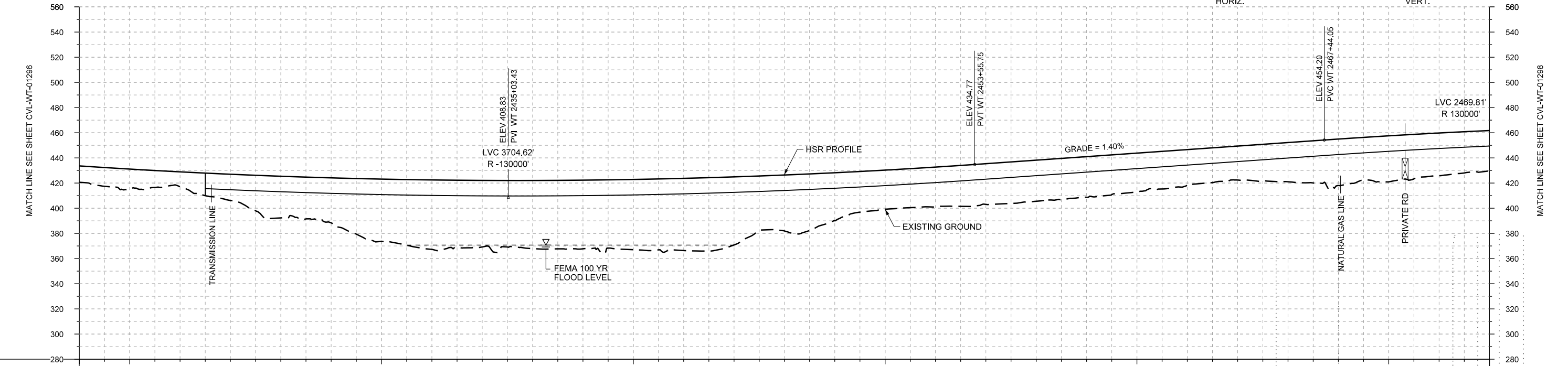
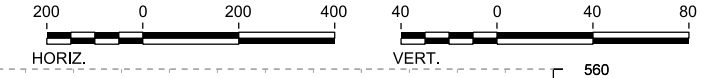
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2362+00 TO WT 2418+00**

Scale AS SHOWN	Drawing Status <b>FINAL DRAFT</b>
Job No 234180	Drawing No CVL-WT-01296
Rev 01	



PLAN



PROFILE

STATIONING	WT 2418+00	WT 2420+00	WT 2430+00	WT 2440+00	WT 2450+00	WT 2460+00	WT 2470+00	WT 2474+00																					
HOR. ALIGNMENT	L=34770																												
VER. ALIGNMENT	R=130000																												
CUT AND FILL	+13.0	+15.4	+11.9	+20.9	+33.1	+35.7	+49.4	+55.2	+52.9	+54.1	+54.5	+55.9	+57.3	+54.1	+44.4	+36.2	+31.0	+31.8	+32.3	+32.6	+32.3	+30.9	+28.3	+27.0	+31.2	+36.9	+36.6	+33.9	+32.0
TYP. SECTION	EMBANKMENT (A)			VIADUCT (E)																									

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

REV	DATE	BY	CHK	APP	DESCRIPTION

**ARUP**

Arup Texas, Inc.  
10370 Richmond Ave., Suite 475  
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Tel (713) 783 2787 Fax (713) 343 1467  
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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

Client

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

Drawing Title

**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE**  
WT 2418+00 TO WT 2474+00

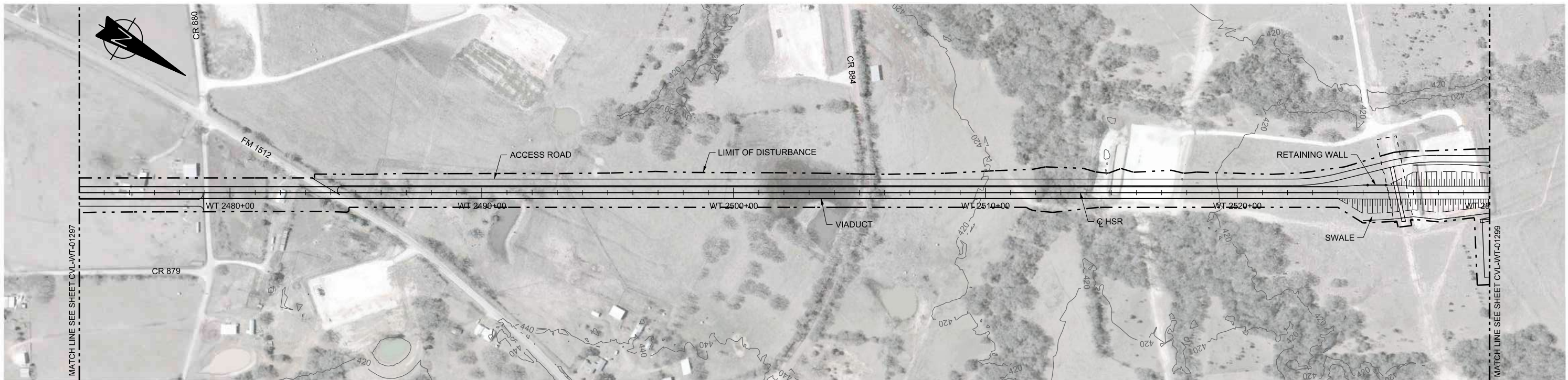
Scale

AS SHOWN

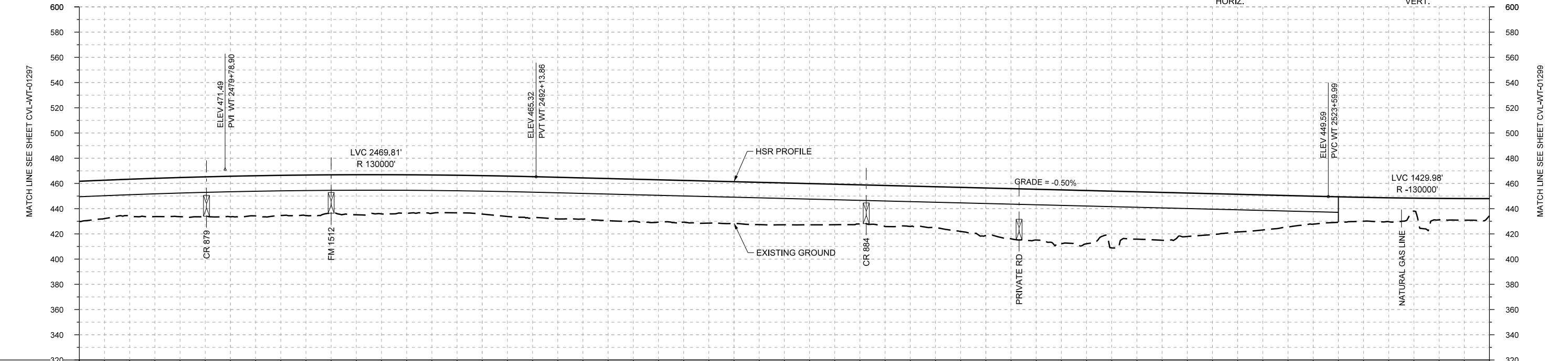
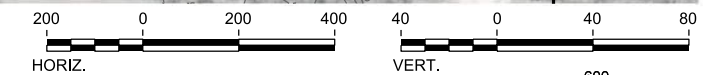
Drawing Status

**FINAL DRAFT**

Job No	Drawing No	Rev
234180	CVL-WT-01297	01



PLAN



PROFILE

STATIONING	WT 2474+00	WT 2480+00	WT 2490+00	WT 2500+00	WT 2510+00	WT 2520+00	WT 2530+00																						
HOR. ALIGNMENT	L=34770																												
VER. ALIGNMENT	R=130000			L=3146.13 G=-0.500%		R=130000																							
CUT AND FILL	+32.0	+29.3	+31.1	+32.1	+31.8	+30.4	+31.0	+30.4	+30.5	+30.8	+32.7	+33.3	+33.1	+33.2	+32.2	+32.1	+32.6	+32.4	+37.8	+40.3	+42.2	+37.6	+34.5	+29.9	+24.9	+20.2	+18.9	+17.0	+13.6
TYP. SECTION	VIADUCT (E)															EMBANKMENT (A)													

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

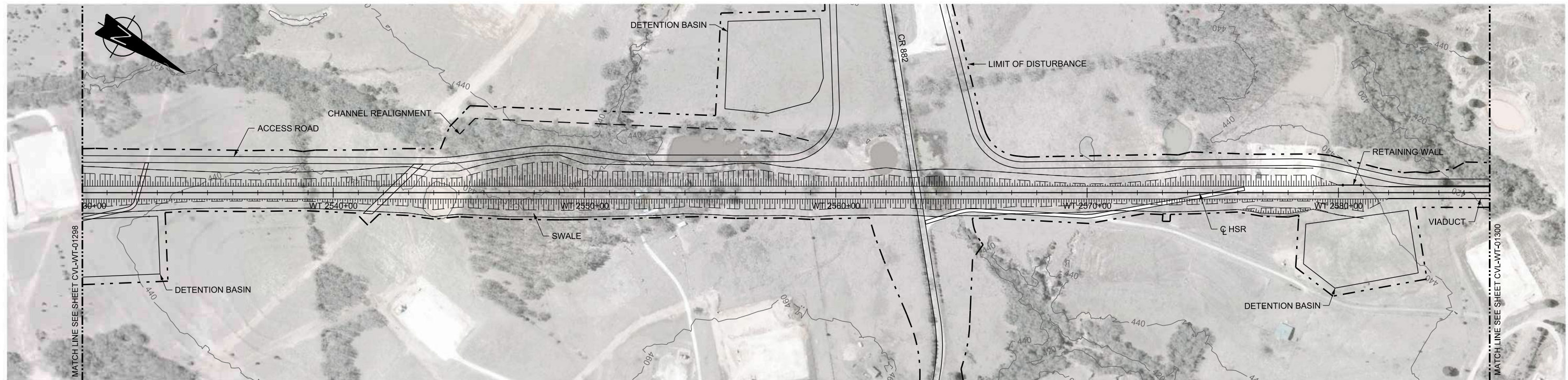
**ARUP**  
 Arup Texas, Inc.  
 10370 Richmond Ave., Suite 475  
 Houston, Texas 77042 USA  
 Tel (713) 783 2787 Fax (713) 343 1467  
 www.arup.com  
 Texas Registered Engineering Firm: F-1990

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

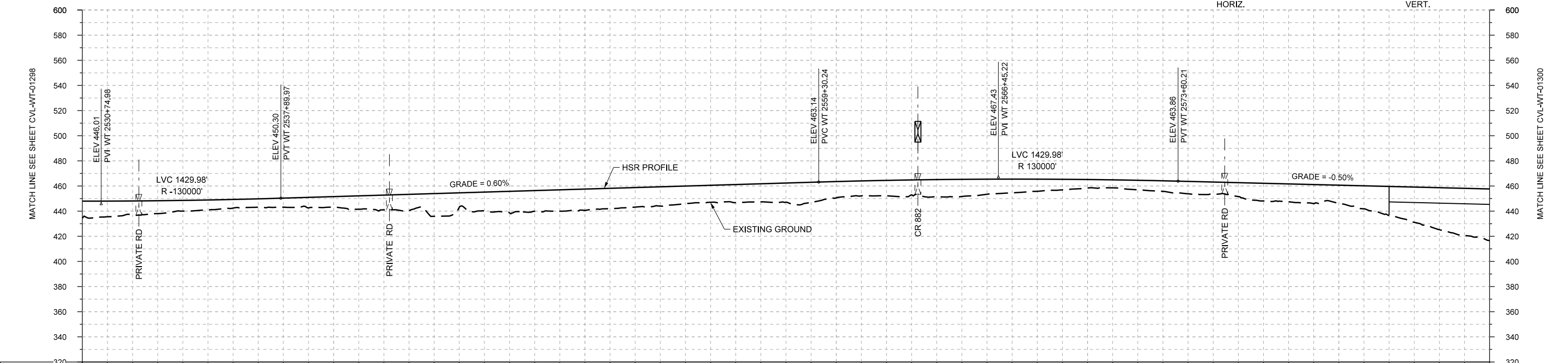
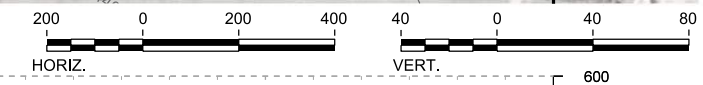
Client  
  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE**  
 WT 2474+00 TO WT 2530+00

Scale  
 AS SHOWN  
 Drawing Status  
**FINAL DRAFT**  
 Job No 234180 Drawing No CVL-WT-01298 Rev 01



PLAN



PROFILE

STATIONING	WT 2530+00	WT 2540+00	WT 2550+00	WT 2560+00	WT 2570+00	WT 2580+00	WT 2586+00	
HOR. ALIGNMENT	L=34770							
VER. ALIGNMENT	R=130000		L=2140.27 G=0.600%			R=130000		
CUT AND FILL	+13.6	+10.9	+8.5	+6.9	+7.3	+8.4	+11.8	
TYP. SECTION	EMBANKMENT (A)						VIADUCT (E)	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

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

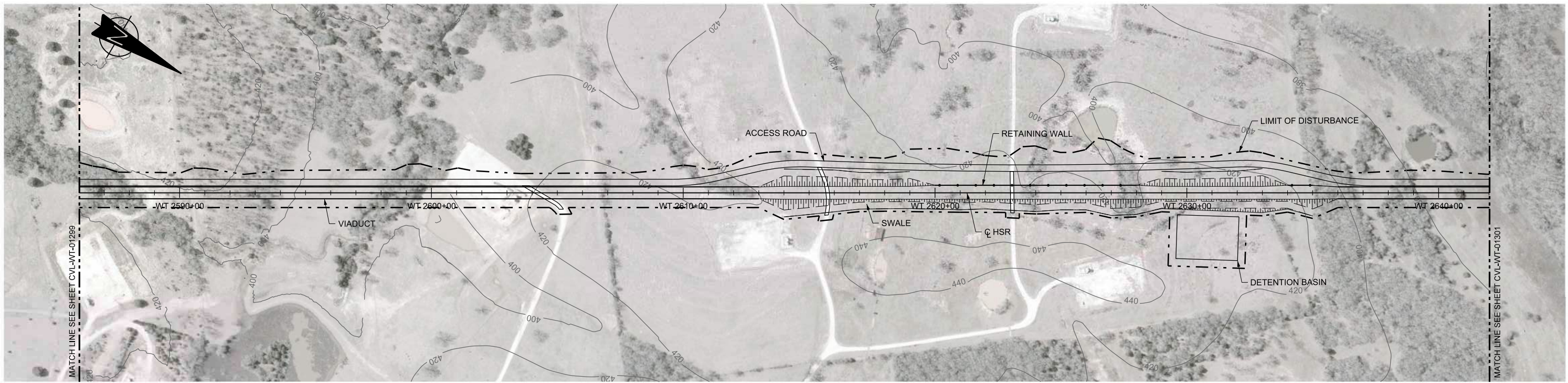
**FRESE AND NICHOLS**  
 2711 North Haskell Ave., Suite 3300  
 Dallas, Texas 75204  
 Tel (214) 217 2200 Fax (214) 217 2201  
 www.freese.com  
 Texas Registered Engineering Firm: F-2144

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

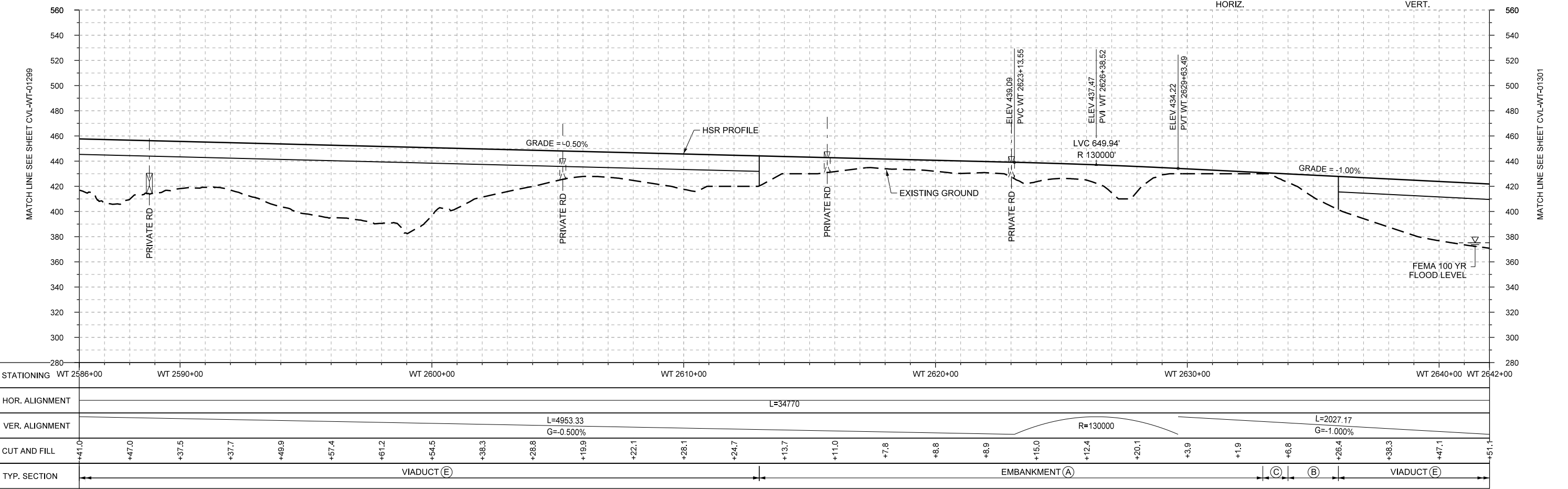
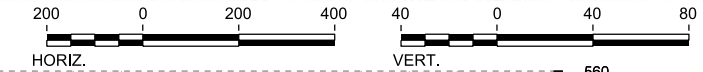
Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL**  
**PLAN AND PROFILE**  
**WT 2530+00 TO WT 2586+00**

Scale  
 AS SHOWN  
 Drawing Status  
**FINAL DRAFT**  
 Job No 234180 Drawing No CVL-WT-01299 Rev 01





PLAN



PROFILE

STATIONING	WT 2586+00	WT 2590+00	WT 2600+00	WT 2610+00	WT 2620+00	WT 2630+00	WT 2640+00	WT 2642+00
HOR. ALIGNMENT	L=34770							
VER. ALIGNMENT	L=4953.33 G=-0.500%				R=130000		L=2027.17 G=-1.000%	
CUT AND FILL	+41.0	+47.0	+37.5	+37.7	+49.9	+57.4	+61.2	+54.5
TYP. SECTION	VIADUCT (E)			EMBANKMENT (A)			VIADUCT (E)	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

**ARUP**

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10370 Richmond Ave., Suite 475  
Houston, Texas 77042 USA  
Tel (713) 783 2787 Fax (713) 343 1467  
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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

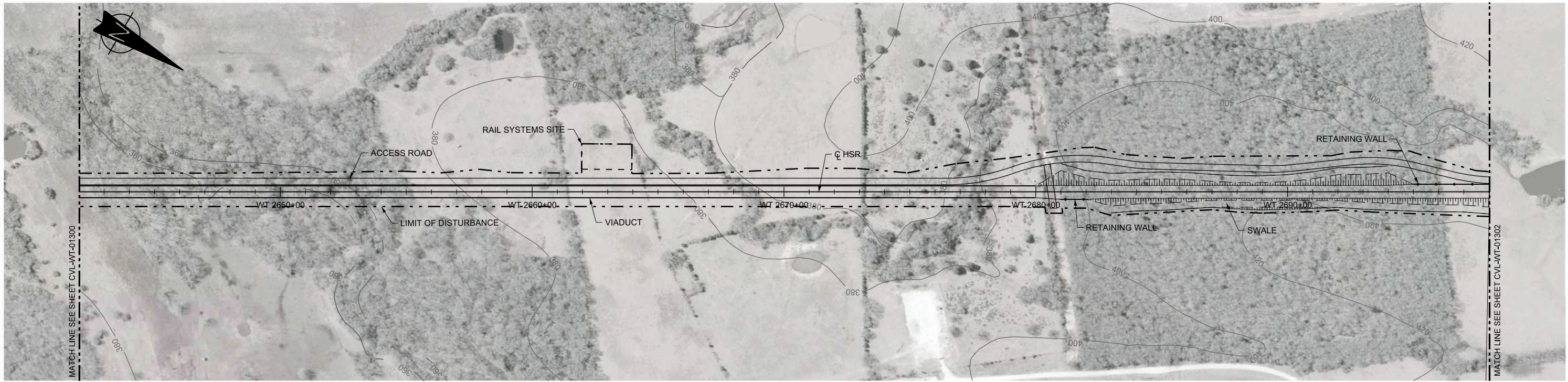
Client

**TEXAS CENTRAL**

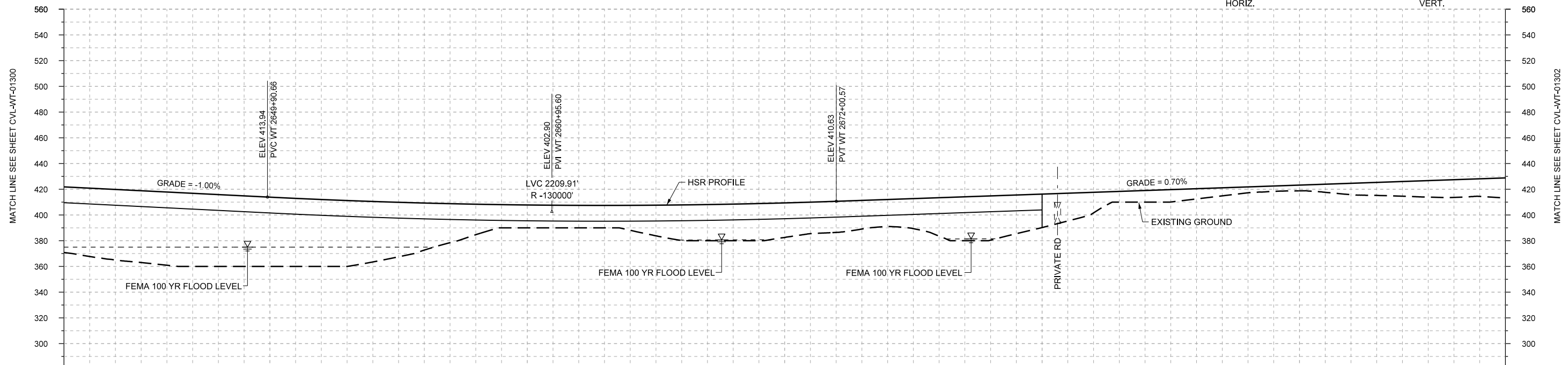
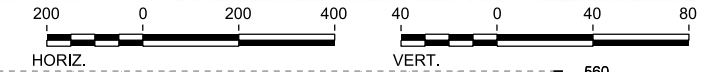
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2586+00 TO WT 2642+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01300
Rev	01



PLAN



PROFILE

STATIONING	WT 2642+00	WT 2650+00	WT 2660+00	WT 2670+00	WT 2680+00	WT 2690+00	WT 2698+00																						
HOR. ALIGNMENT	L=34770																												
VER. ALIGNMENT	L=2027.17 G=-1.000%		R=130000			L=5398.66 G=0.700%																							
CUT AND FILL	+51.1	+55.0	+57.0	+55.9	+53.9	+52.0	+47.0	+36.6	+23.7	+17.8	+17.5	+19.4	+27.7	+28.4	+26.9	+24.2	+21.0	+29.7	+34.4	+28.0	+16.0	+9.0	+7.9	+4.5	+4.4	+8.8	+11.4	+13.8	+15.6
TYP. SECTION	VIADUCT (E)										EMBANKMENT (A)																		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

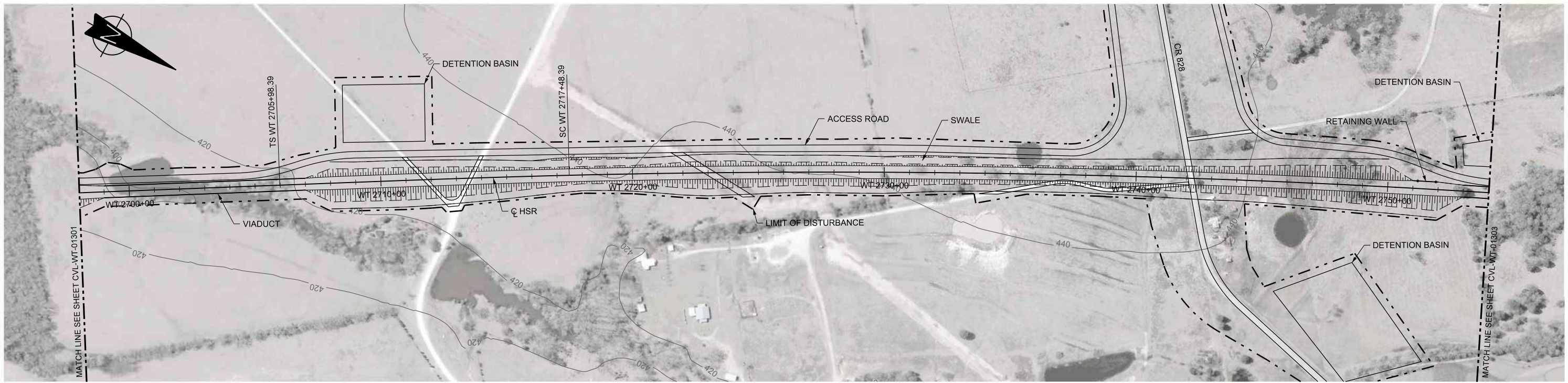
**ARUP**  
 Arup Texas, Inc.  
 10370 Richmond Ave., Suite 475  
 Houston, Texas 77042 USA  
 Tel (713) 783 2787 Fax (713) 343 1467  
 www.arup.com  
 Texas Registered Engineering Firm: F-1990

**FREESSE 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

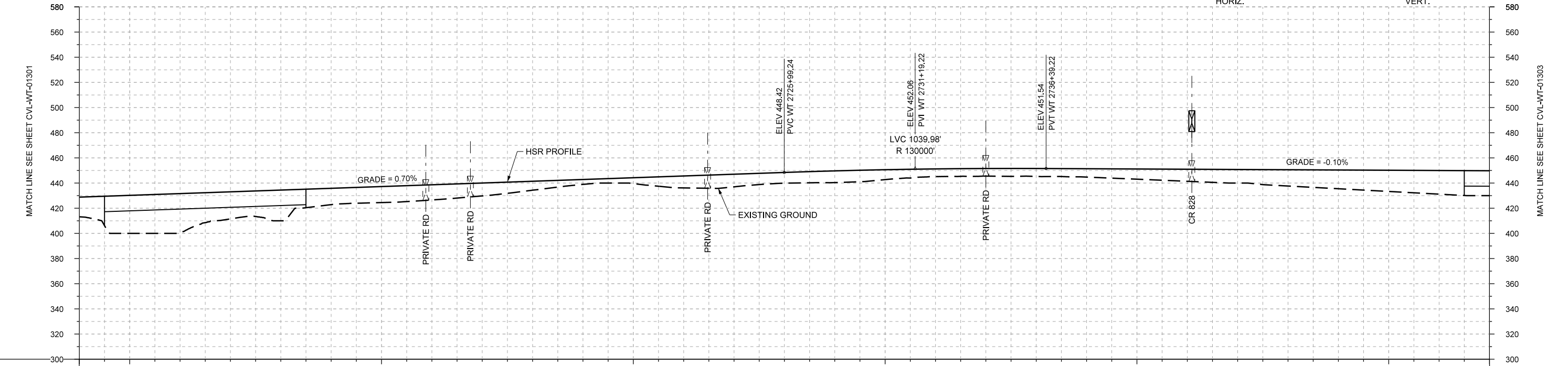
Client  
  
**TEXAS CENTRAL**  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2642+00 TO WT 2698+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	234180	Drawing No	CVL-WT-01301
Rev			01



PLAN



PROFILE

STATIONING	WT 2698+00	WT 2700+00	WT 2710+00	WT 2720+00	WT 2730+00	WT 2740+00	WT 2750+00	WT 2754+00																					
HOR. ALIGNMENT	L=34770		L=1150		R=42000 L=19611		L=3635.54 G=-0.100%																						
VER. ALIGNMENT	L=5398.66 G=0.700%		R=130000		L=3635.54 G=-0.100%																								
CUT AND FILL	+15.6	+30.2	+30.9	+21.5	+24.4	+12.9	+12.7	+12.0	+10.2	+7.0	+3.9	+4.8	+9.5	+10.0	+8.5	+9.3	+7.9	+6.1	+6.1	+6.3	+6.7	+8.1	+9.6	+10.8	+13.0	+14.9	+13.9	+13.8	+13.8
TYP. SECTION	(A)		VIADUCT (E)			EMBANKMENT (A)																(E)							

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

**ARUP**

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Dallas, Texas 75204  
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Texas Registered Engineering Firm: F-2144

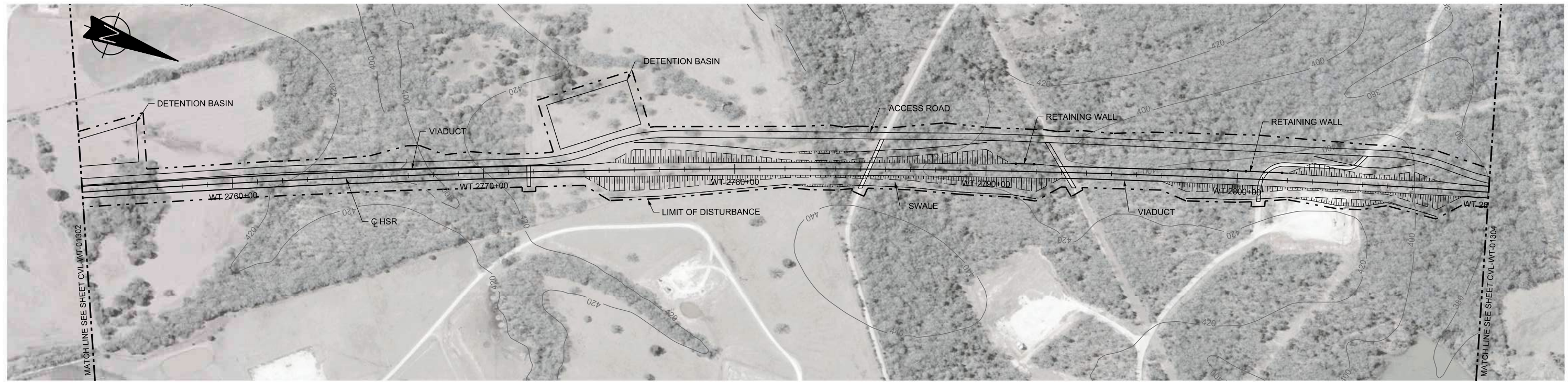
Client

**TEXAS CENTRAL**

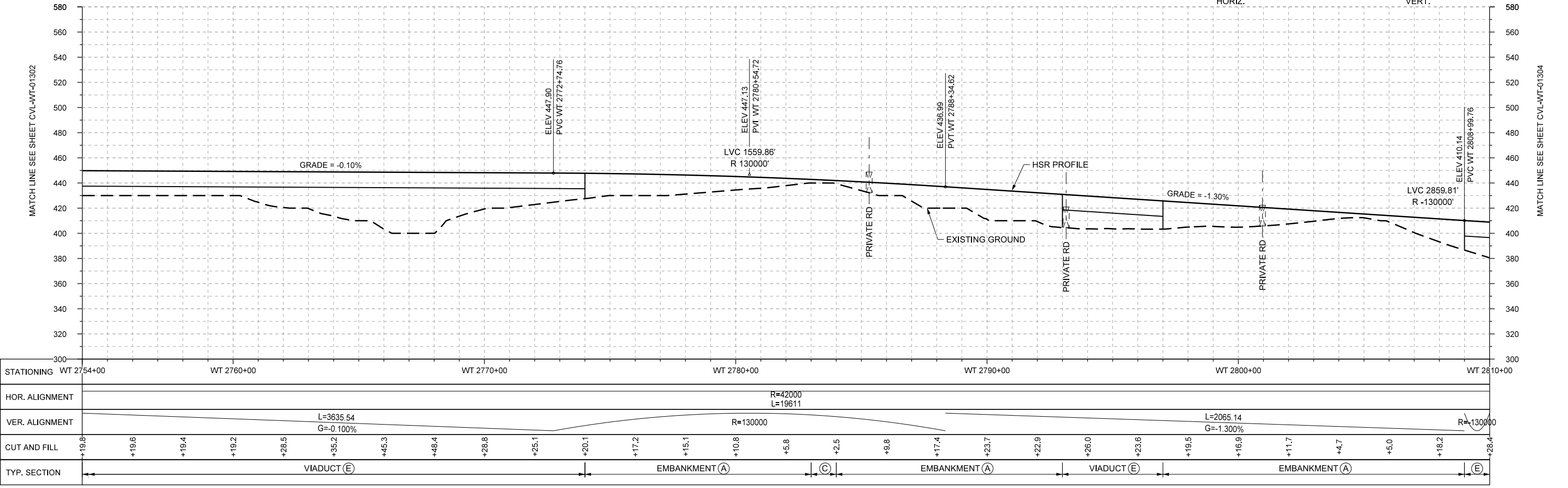
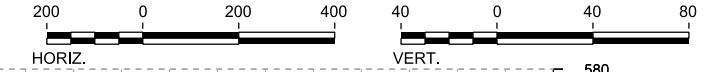
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2698+00 TO WT 2754+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	Drawing No	Rev	
234180	CVL-WT-01302	01	



PLAN



PROFILE

STATIONING	WT 2754+00	WT 2760+00	WT 2770+00	WT 2780+00	WT 2790+00	WT 2800+00	WT 2810+00
HOR. ALIGNMENT	R=42000 L=19611						
VER. ALIGNMENT	L=3635.54 G=-0.100%			R=130000		L=2065.14 G=-1.300%	
CUT AND FILL	+19.8	+19.6	+19.4	+19.2	+28.5	+35.2	+45.3
TYP. SECTION	VIADUCT (E)			EMBANKMENT (A)		EMBANKMENT (A)	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

**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

**FREESSE AND NICHOLS**

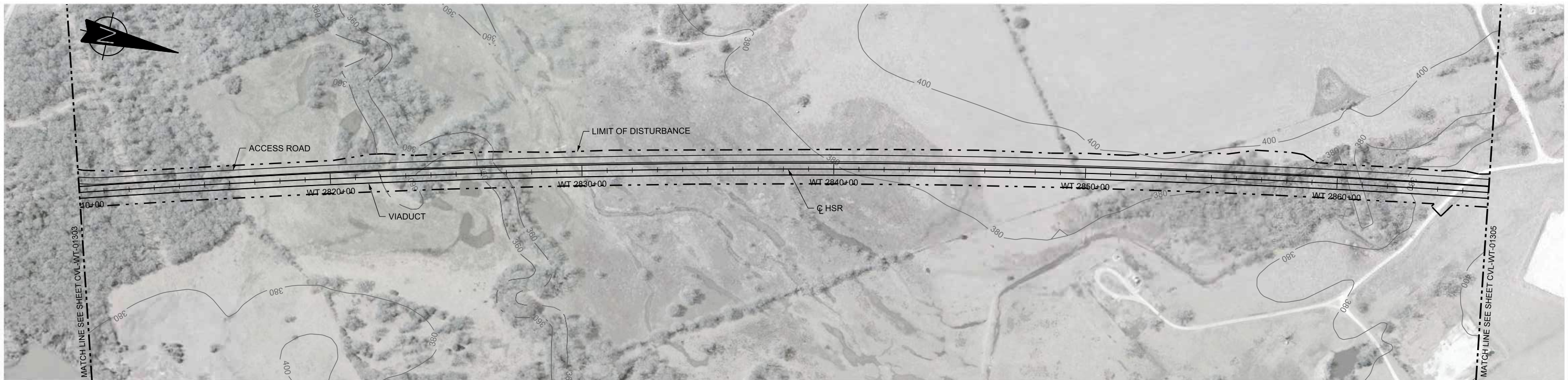
2711 North Haskell Ave., Suite 3300  
Dallas, Texas 75204  
Tel (214) 217 2200 Fax (214) 217 2201  
www.freesse.com  
Texas Registered Engineering Firm: F-2144

Client

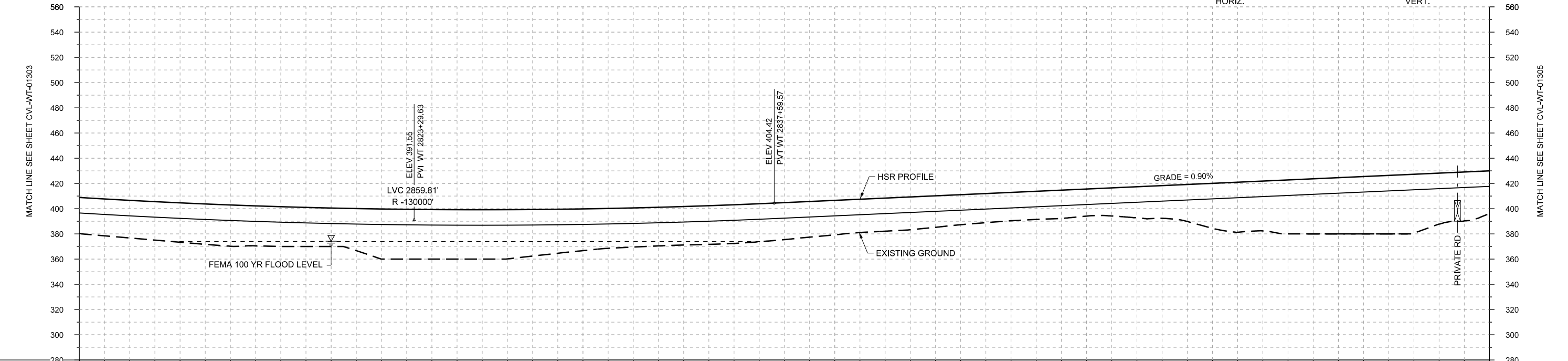
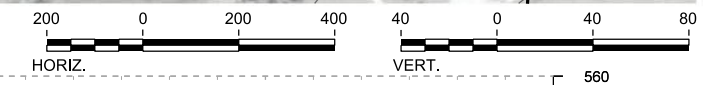
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2754+00 TO WT 2810+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01303
Rev	01



PLAN



PROFILE

STATIONING	WT 2810+00	WT 2820+00	WT 2830+00	WT 2840+00	WT 2850+00	WT 2860+00	WT 2866+00																						
HOR. ALIGNMENT				R=42000 L=19611																									
VER. ALIGNMENT	R=-130000			L=3069.82 G=0.900%																									
CUT AND FILL	+28.4	+29.8	+31.2	+32.7	+31.6	+30.5	+39.7	+39.3	+39.2	+38.9	+33.1	+31.0	+30.5	+30.7	+29.4	+27.4	+26.3	+25.0	+23.1	+22.3	+21.5	+24.7	+29.4	+39.7	+42.8	+44.6	+46.4	+40.4	+33.9
TYP. SECTION	VIADUCT (E)																												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**



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



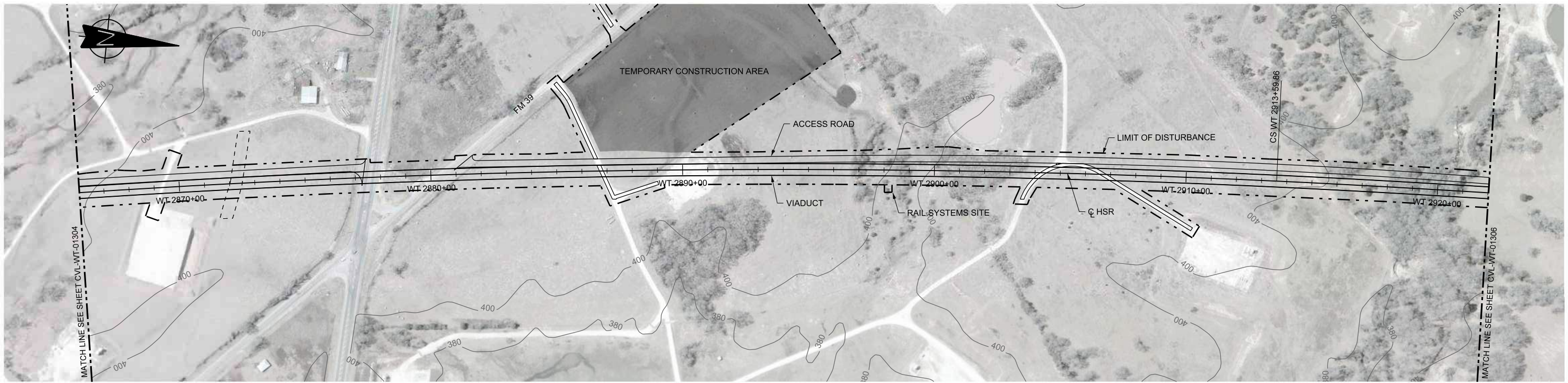
2711 North Haskell Ave., Suite 3300  
Dallas, Texas 75204  
Tel (214) 217 2200 Fax (214) 217 2201  
www.freese.com  
Texas Registered Engineering Firm: F-2144



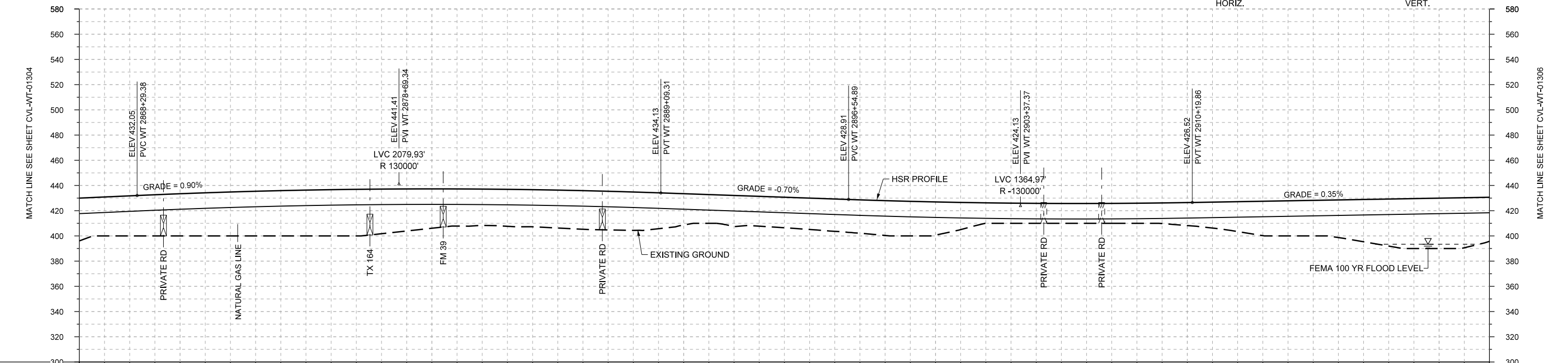
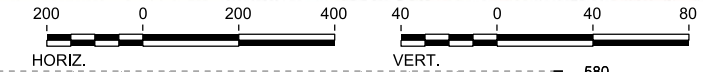
Client  
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL  
PLAN AND PROFILE  
WT 2810+00 TO WT 2866+00**

Scale AS SHOWN	Drawing Status <b>FINAL DRAFT</b>	
Job No 234180	Drawing No CVL-WT-01304	Rev 01



PLAN



PROFILE

STATIONING	WT 2866+00	WT 2870+00	WT 2880+00	WT 2890+00	WT 2900+00	WT 2910+00	WT 2920+00	WT 2922+00																					
HOR. ALIGNMENT					R=42000 L=19611																								
VER. ALIGNMENT	L=3069.82 G=0.900%		R=130000		L=745.57 G=-0.700%		R=130000																						
CUT AND FILL	+33.9	+31.8	+33.5	+34.9	+35.9	+36.7	+35.4	+31.2	+28.9	+29.5	+30.6	+30.4	+24.8	+24.6	+24.2	+25.7	+27.7	+26.4	+16.2	+15.8	+15.7	+15.9	+15.3	+23.7	+27.9	+29.9	+37.4	+40.0	+35.0
TYP. SECTION	VIADUCT (E)																												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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Texas Registered Engineering Firm: F-2144

Client

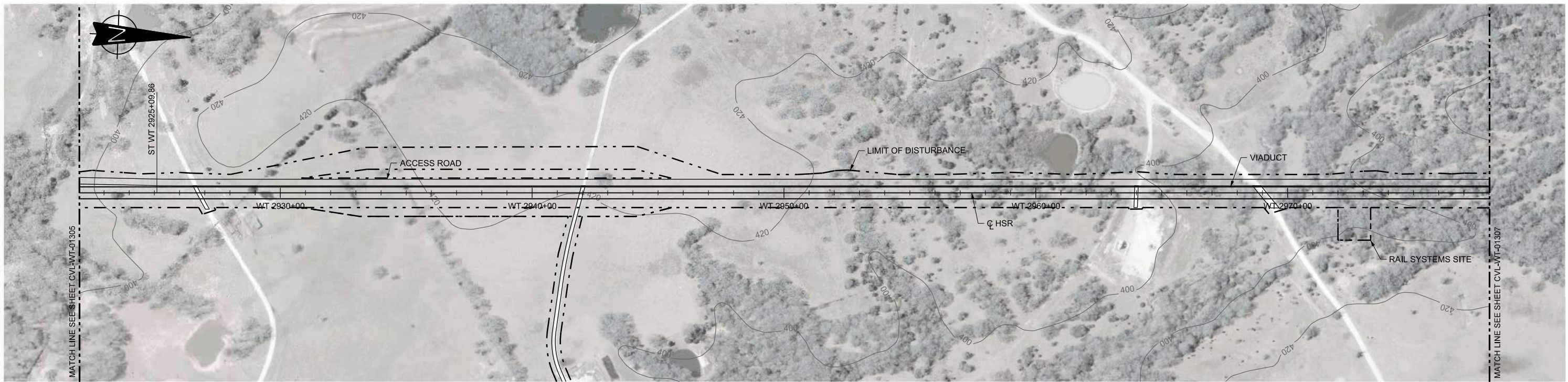
**TEXAS CENTRAL**

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

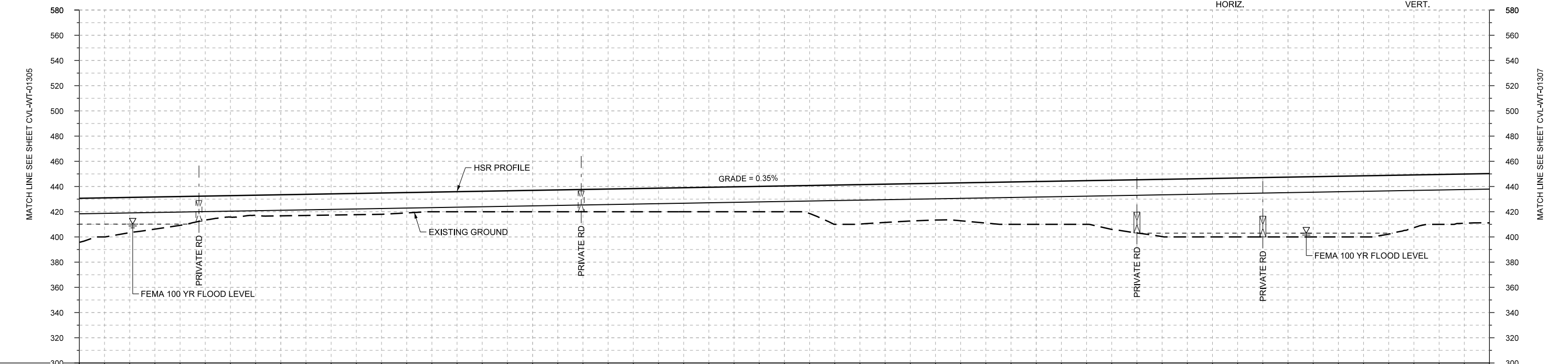
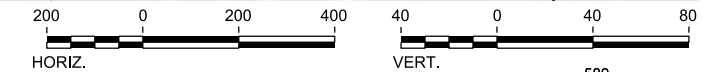
Drawing Title

**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2866+00 TO WT 2922+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01305
Rev	01



PLAN



PROFILE

STATIONING	WT 2922+00	WT 2930+00	WT 2940+00	WT 2950+00	WT 2960+00	WT 2970+00	WT 2978+00																						
HOR. ALIGNMENT	L=1150			L=9927																									
VER. ALIGNMENT	L=10175.02 G=0.350%																												
CUT AND FILL	+35.0	+28.0	+22.9	+17.0	+16.8	+16.8	+16.9	+15.6	+16.3	+17.0	+17.7	+18.4	+19.1	+19.8	+20.5	+31.2	+30.4	+29.2	+32.3	+34.0	+34.7	+42.3	+46.1	+46.8	+47.5	+46.2	+46.6	+39.6	+39.2
TYP. SECTION	VIADUCT (E)																												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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 Texas Registered Engineering Firm: F-2144

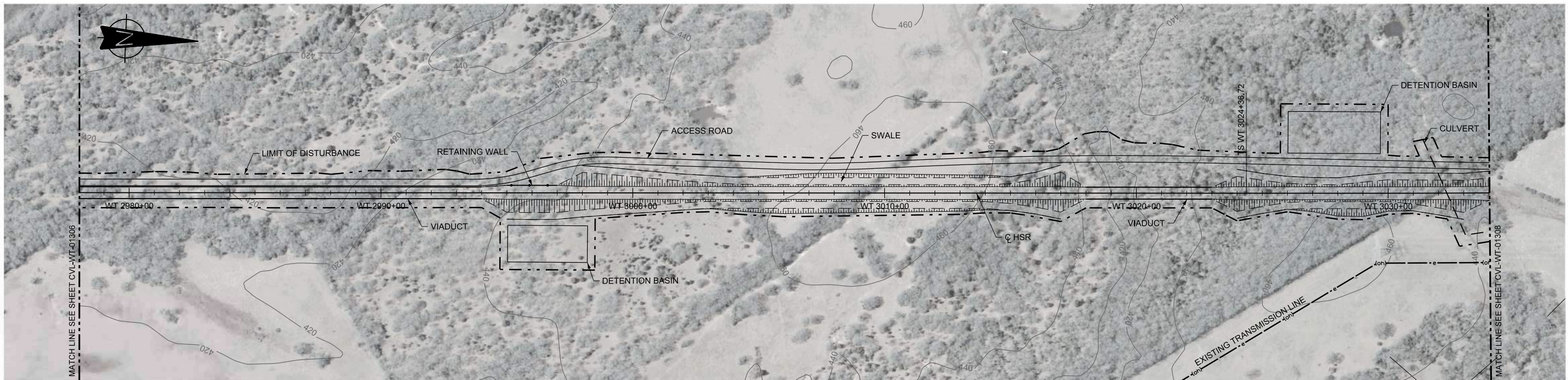
Client  
  
**TEXAS CENTRAL**  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 2922+00 TO WT 2978+00**

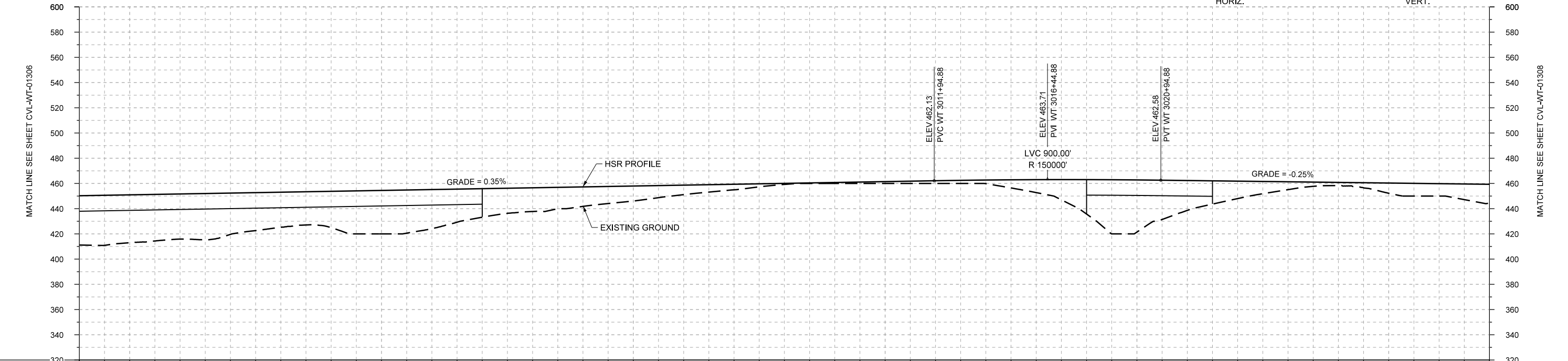
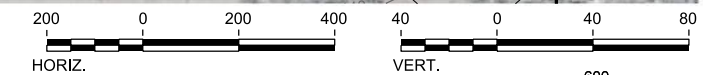
Scale  
AS SHOWN

Drawing Status  
**FINAL DRAFT**

Job No	Drawing No	Rev
234180	CVL-WT-01306	01



PLAN



PROFILE

STATIONING	WT 2978+00	WT 2980+00	WT 2990+00	WT 3000+00	WT 3010+00	WT 3020+00	WT 3030+00	WT 3034+00																					
HOR. ALIGNMENT	L=9927				L=1800																								
VER. ALIGNMENT	L=10175.02 G=0.350%				R=150000 L=3543.37 G=-0.250%																								
CUT AND FILL	+39.2	+36.0	+35.8	+32.8	+27.8	+26.9	+34.5	+31.0	+22.7	+18.8	+15.5	+11.9	+7.6	+4.4	+0.9	+0.8	+1.5	+2.2	+2.9	+10.3	+27.3	+41.4	+23.7	+13.8	+6.2	+2.5	+8.1	+9.8	+14.9
TYP. SECTION	VIADUCT (E)			EMBANKMENT (A)				CUT (C)		EMBANKMENT (A)		VIADUCT (E)		EMBANKMENT (A)		C	EMBANKMENT (F)												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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Dallas, Texas 75204  
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www.freese.com  
Texas Registered Engineering Firm: F-2144

Client

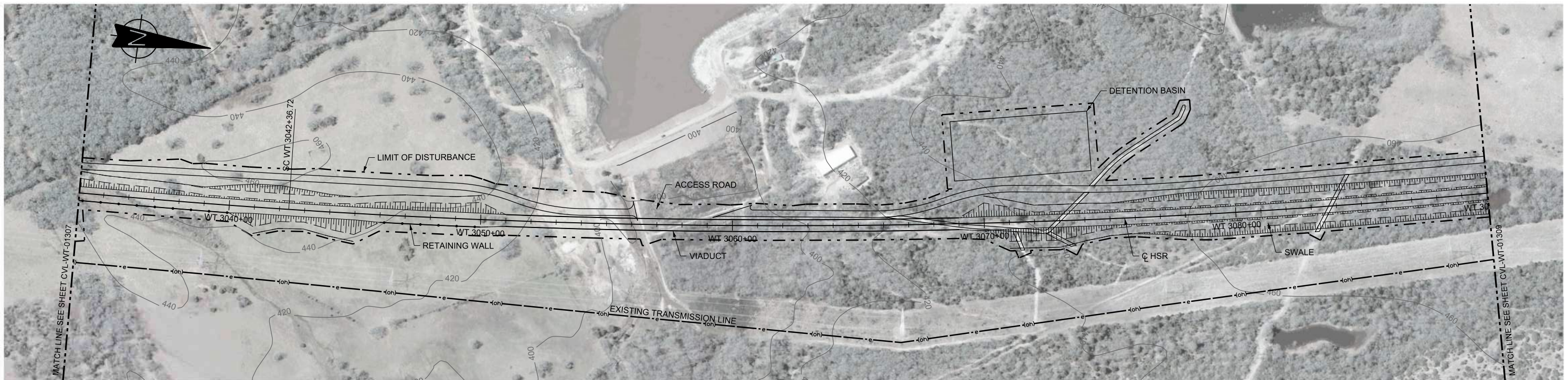
**TEXAS CENTRAL**

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

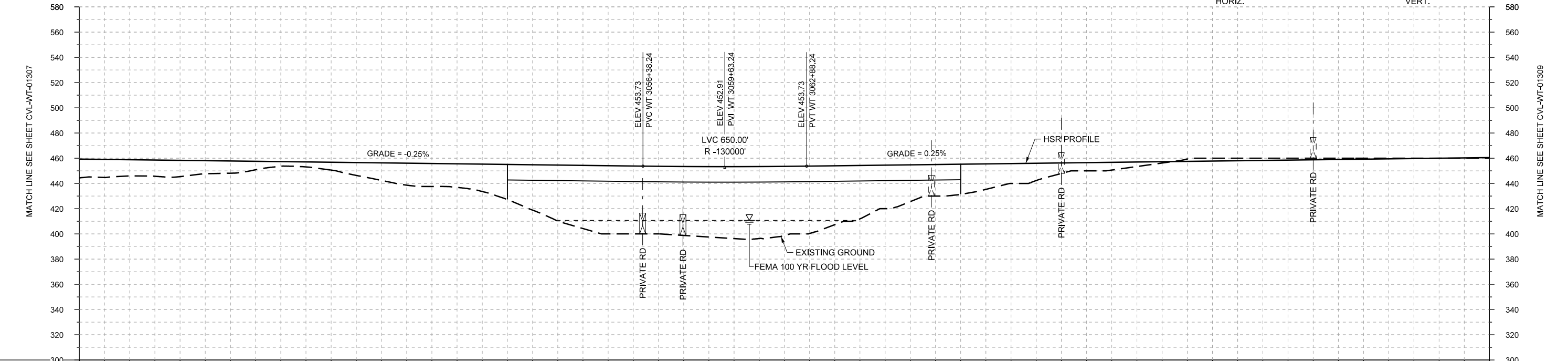
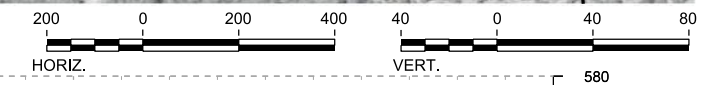
Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL  
PLAN AND PROFILE  
WT 2978+00 TO WT 3034+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	234180	Drawing No	CVL-WT-01307
Rev			01





PLAN



PROFILE

STATIONING	WT 3034+00	WT 3040+00	WT 3050+00	WT 3060+00	WT 3070+00	WT 3080+00	WT 3090+00																					
HOR. ALIGNMENT	L=1800		R=30000 L=5653			L=6188.86 G=0.250%																						
VER. ALIGNMENT	L=3543.37 G=-0.250%		R=-1300000			L=6188.86 G=0.250%																						
CUT AND FILL	+14.9	+12.8	+12.9	+9.7	+3.7	+6.2	+13.9	+18.2	+21.7	+38.0	+50.1	+53.8	+54.6	+57.0	+54.8	+46.7	+34.5	+25.0	+20.2	+13.7	+6.5	+3.6	-1.9	-2.0	-1.5	-1.0	-0.5	+0.4
TYP. SECTION	EMBANKMENT (F)		CUT (H)	EMBANKMENT (F)		VIADUCT (K)			EMBANKMENT (F)			CUT (H)																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**



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Texas Registered Engineering Firm: F-1990



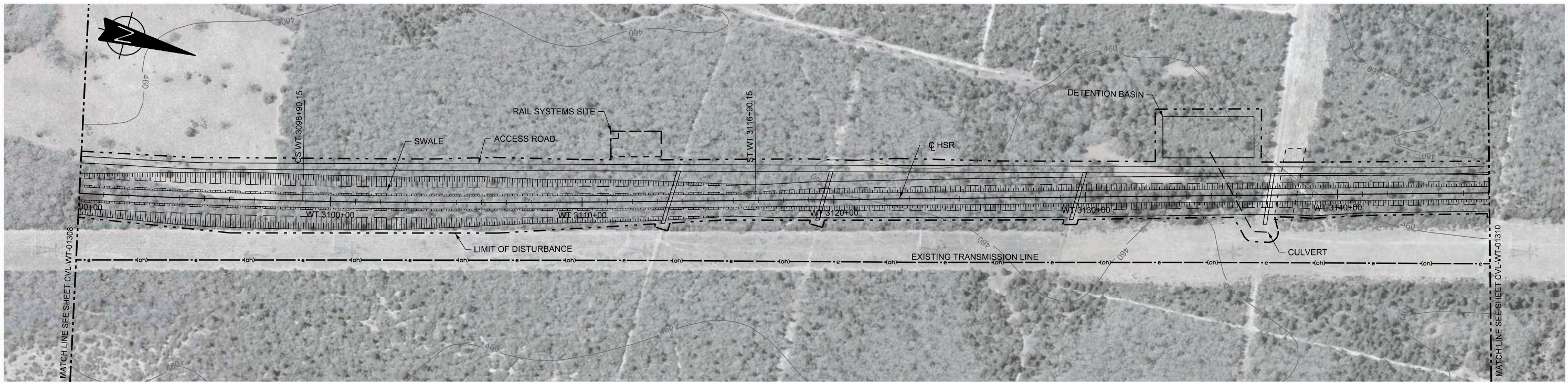
2711 North Haskell Ave., Suite 3300  
Dallas, Texas 75204  
Tel (214) 217 2200 Fax (214) 217 2201  
www.freese.com  
Texas Registered Engineering Firm: F-2144



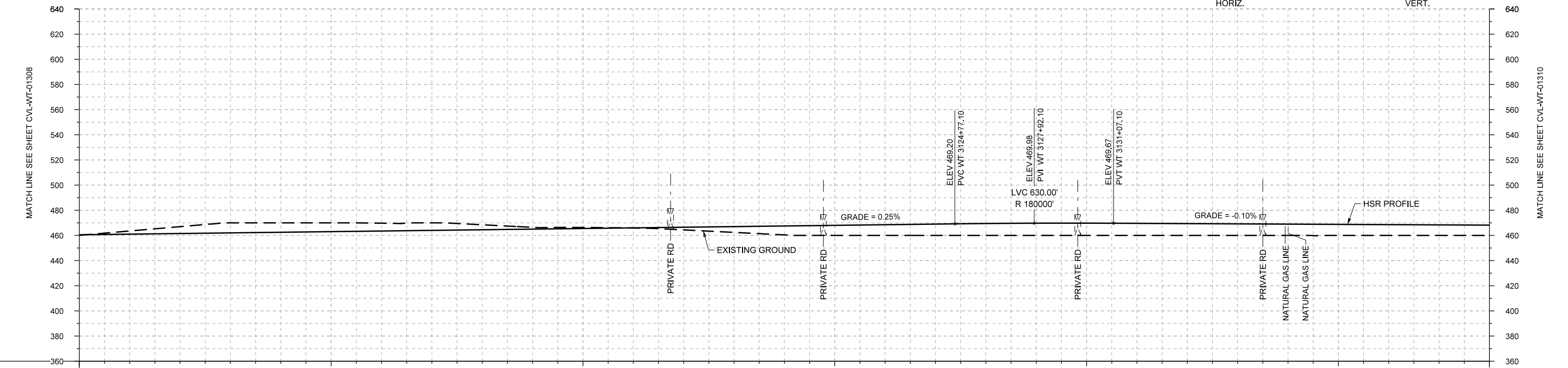
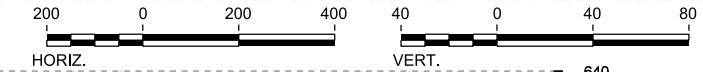
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3034+00 TO WT 3090+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01308
Rev	01



PLAN



PROFILE

STATIONING	WT 3090+00	WT 3100+00	WT 3110+00	WT 3120+00	WT 3130+00	WT 3140+00	WT 3146+00																						
HOR. ALIGNMENT	R=30000 L=5653		L=1800		L=3646																								
VER. ALIGNMENT	L=6188.86 G=0.250%		R=180000			L=4369.12 G=-0.100%																							
CUT AND FILL	+0.4	-2.5	-5.5	-8.0	-7.5	-7.0	-6.2	-6.0	-4.0	-1.4	-0.8	+0.1	+2.1	+4.6	+7.1	+8.0	+8.5	+9.0	+9.5	+9.7	+9.7	+9.6	+9.4	+9.2	+9.0	+8.8	+8.6	+8.4	+8.2
TYP. SECTION	CUT (H)												EMBANKMENT (F)																

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

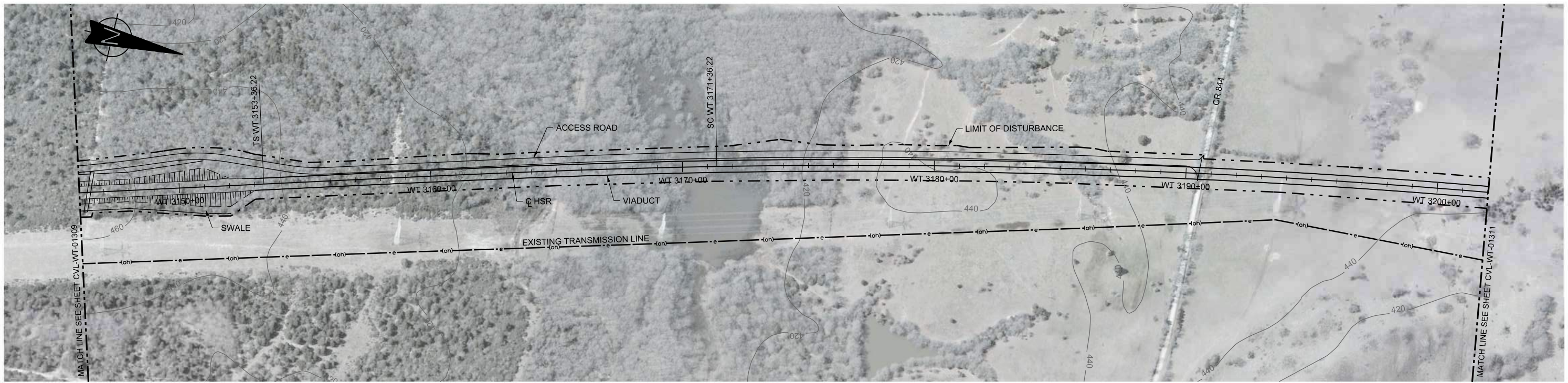
**ARUP**  
 Arup Texas, Inc.  
 10370 Richmond Ave., Suite 475  
 Houston, Texas 77042 USA  
 Tel (713) 783 2787 Fax (713) 343 1467  
 www.arup.com  
 Texas Registered Engineering Firm: F-1990

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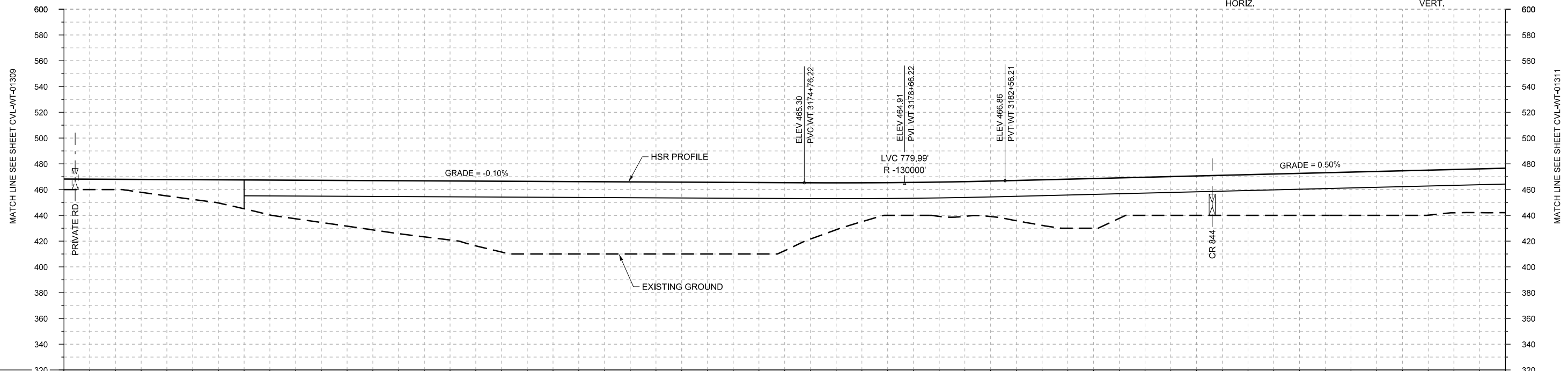
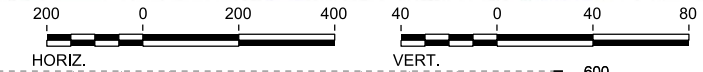
Client  
  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL**  
**PLAN AND PROFILE**  
**WT 3090+00 TO WT 3146+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01309
Rev	01



PLAN



STATIONING	WT 3146+00	WT 3150+00	WT 3160+00	WT 3170+00	WT 3180+00	WT 3190+00	WT 3200+00	WT 3202+00																					
HOR. ALIGNMENT	L=3646		L=1800		R=30000 L=6129																								
VER. ALIGNMENT	L=4369.12 G=-0.100%		R=-130000			L=3303.67 G=0.500%																							
CUT AND FILL	+8.2	+8.0	+12.7	+18.0	+21.1	+32.7	+38.3	+43.5	+50.3	+56.4	+56.2	+56.0	+55.8	+55.6	+52.8	+36.4	+25.4	+26.6	+27.5	+35.4	+36.6	+29.6	+30.6	+31.6	+32.6	+33.6	+34.6	+33.6	+34.5
TYP. SECTION	EMBANKMENT (F)										VIADUCT (K)																		

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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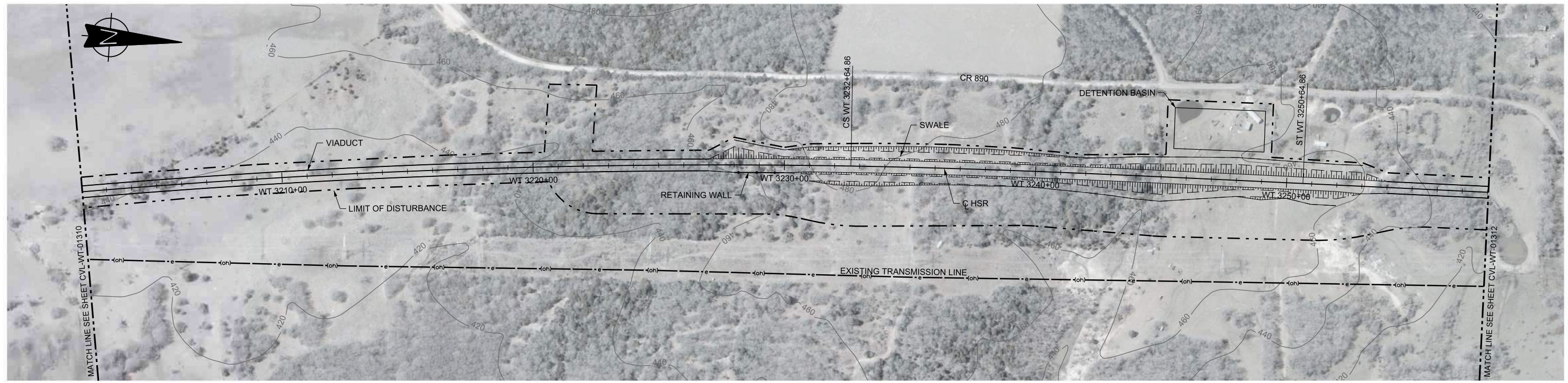
Client

**TEXAS CENTRAL**

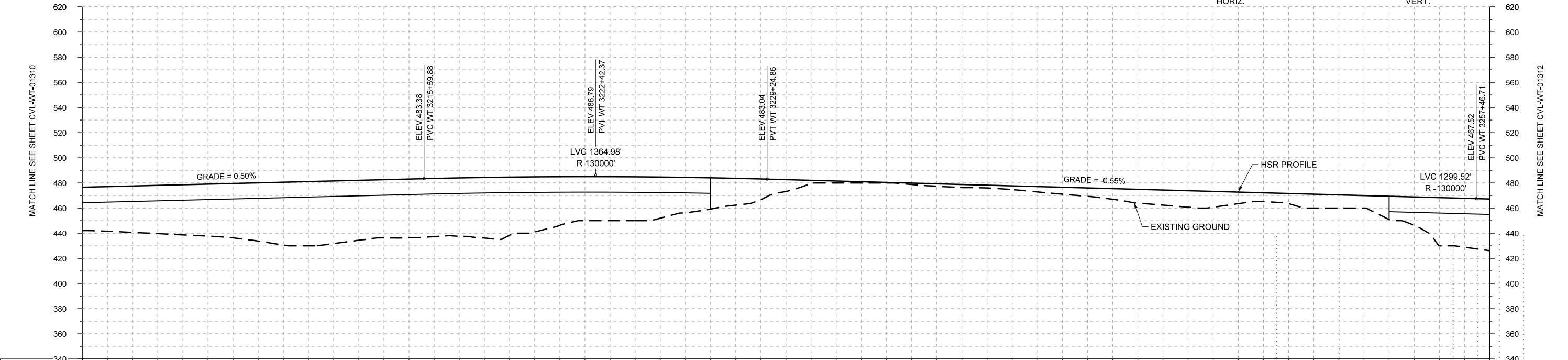
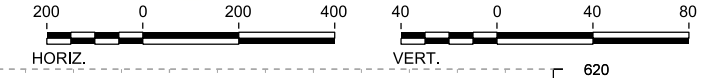
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3146+00 TO WT 3202+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	Drawing No	Rev	
234180	CVL-WT-01310	01	



PLAN



STATIONING	WT 3202+00	WT 3210+00	WT 3220+00	WT 3230+00	WT 3240+00	WT 3250+00	WT 3258+00
HOR. ALIGNMENT	R=30000 L=6129		L=1800			L=2545	
VER. ALIGNMENT	L=3303.67 G=0.500%		R=130000			L=2821.84 G=-0.550%	
CUT AND FILL	+34.5	+37.0	+39.9	+43.3	+50.0	+49.8	+46.2
TYP. SECTION	VIADUCT (K)			EMBANKMENT (F)		VIADUCT (K)	

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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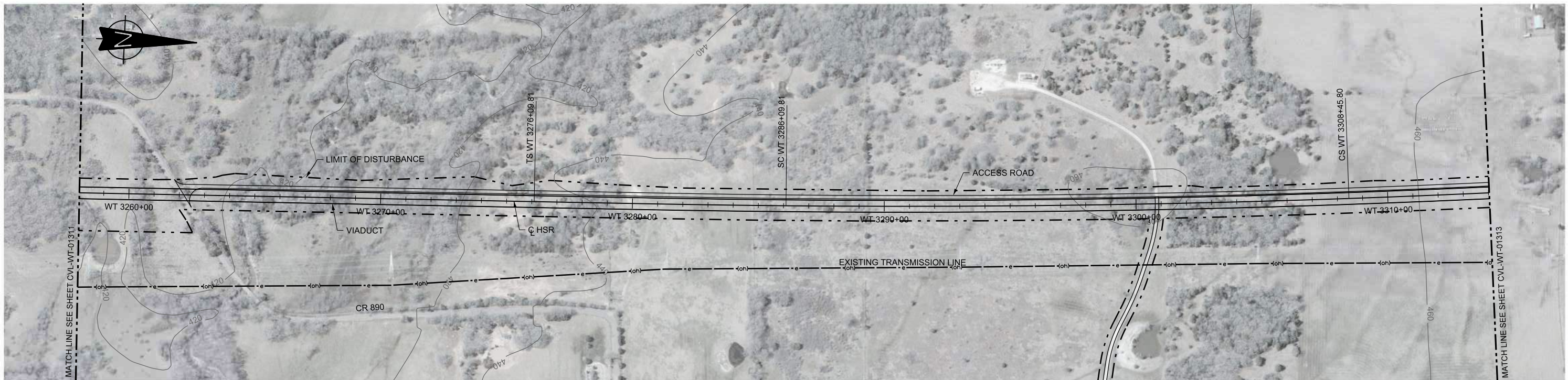
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**TEXAS CENTRAL**

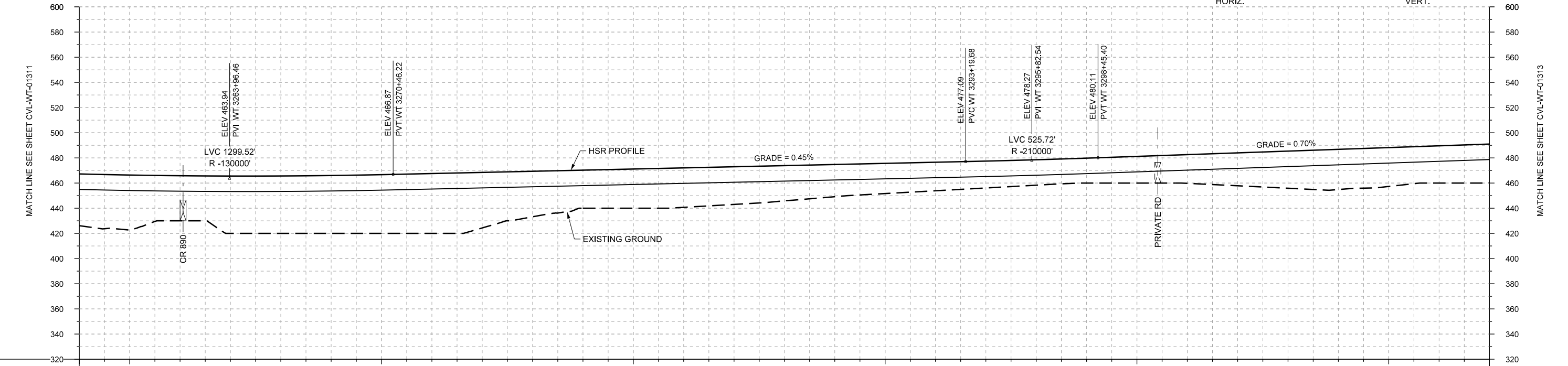
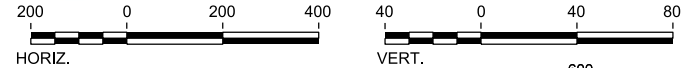
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3202+00 TO WT 3258+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01311
Rev	01



PLAN



PROFILE

STATIONING	WT 3258+00	WT 3260+00	WT 3270+00	WT 3280+00	WT 3290+00	WT 3300+00	WT 3310+00	WT 3314+00																					
HOR. ALIGNMENT	L=2545		L=1000			R=50000 L=2236		L=1000																					
VER. ALIGNMENT	R=130000		L=2273.46 G=0.450%			R=210000		L=2340.40 G=0.700%																					
CUT AND FILL	+41.1	+43.5	+35.8	+43.6	+45.6	+46.0	+46.7	+47.6	+44.2	+38.2	+30.3	+31.2	+31.4	+30.0	+26.0	+25.6	+24.0	+22.6	+21.4	+20.2	+19.8	+21.2	+22.8	+25.2	+29.5	+32.0	+30.9	+29.6	+30.8
TYP. SECTION	VIADUCT (K)																												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

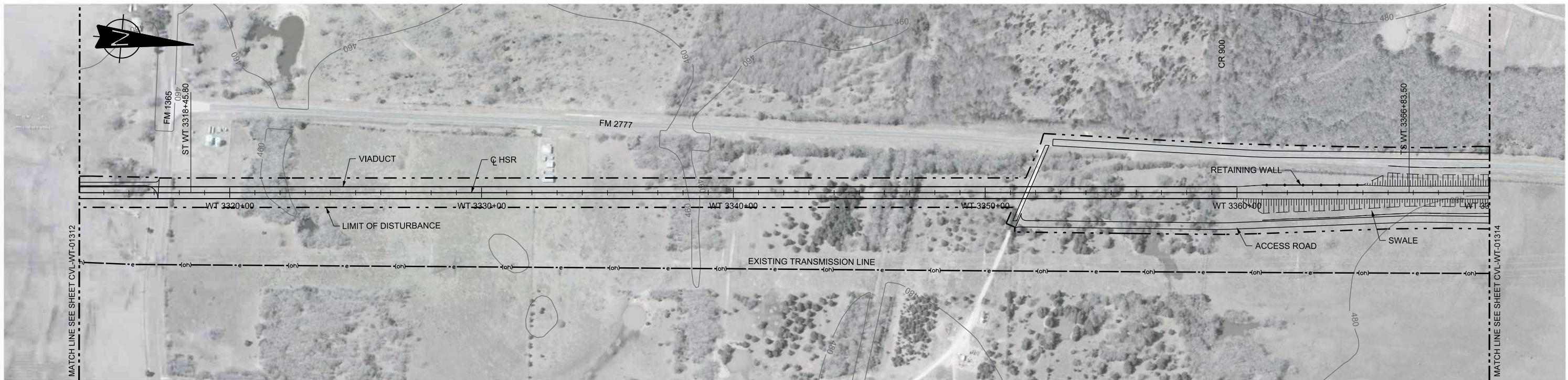
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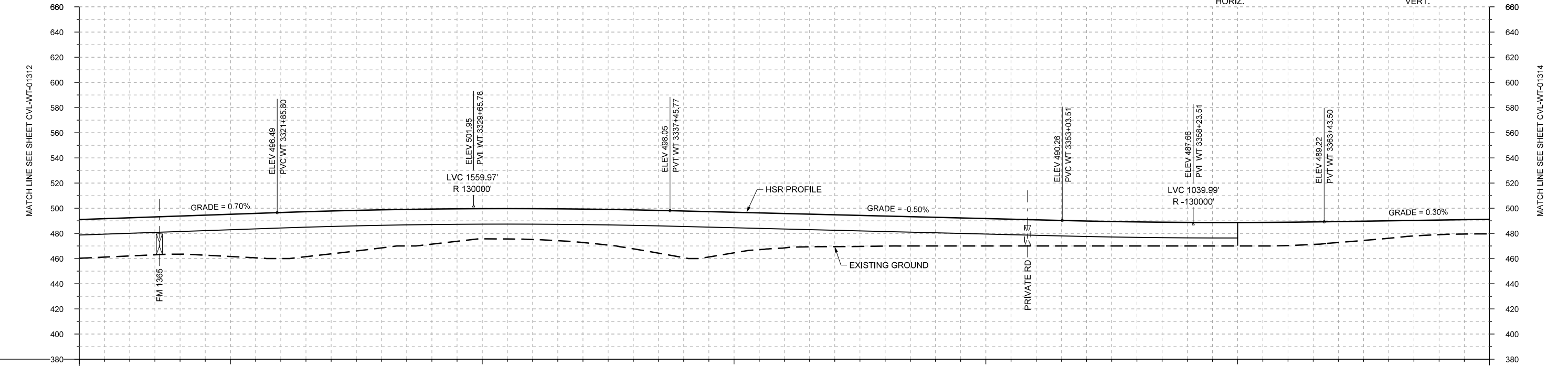
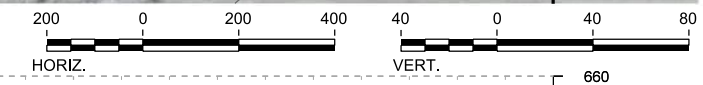
Client  
  
**TEXAS CENTRAL**  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3258+00 TO WT 3314+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	234180	Drawing No	CVL-WT-01312
Rev			01



PLAN



PROFILE

STATIONING	WT 3314+00	WT 3320+00	WT 3330+00	WT 3340+00	WT 3350+00	WT 3360+00	WT 3370+00																						
HOR. ALIGNMENT	L=1000		L=4838			L=700																							
VER. ALIGNMENT	L=2340.40 G=0.700%		R=130000			L=5968.32 G=0.300%																							
CUT AND FILL	+30.8	+30.3	+30.3	+33.6	+36.6	+34.1	+30.2	+27.9	+23.9	+24.5	+26.6	+31.0	+37.1	+32.2	+27.3	+25.3	+23.9	+22.8	+21.8	+20.8	+19.8	+19.1	+18.7	+18.6	+18.6	+16.6	+13.9	+11.6	+11.6
TYP. SECTION	VIADUCT (K)										EMBANKMENT (F)																		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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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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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

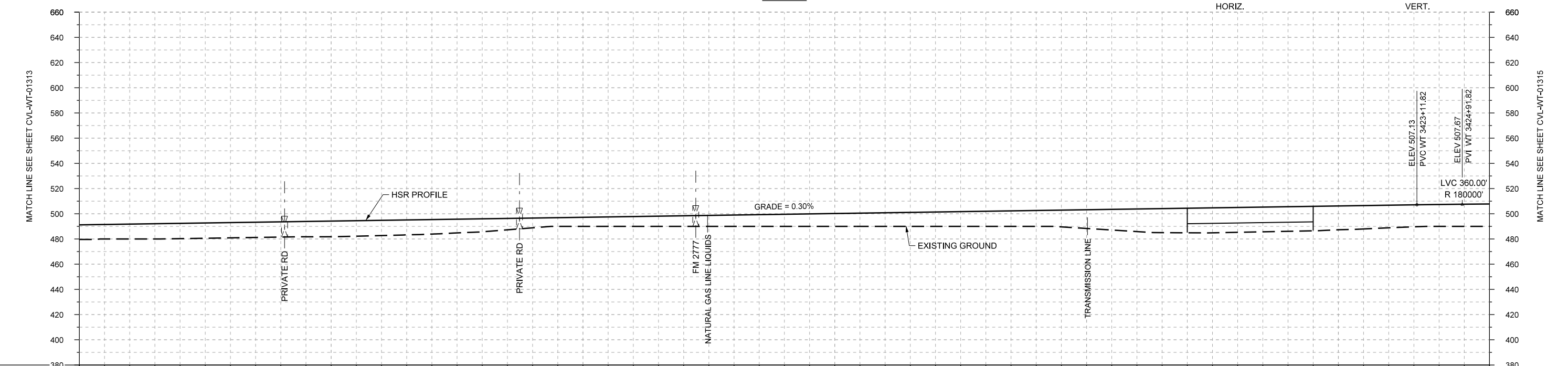
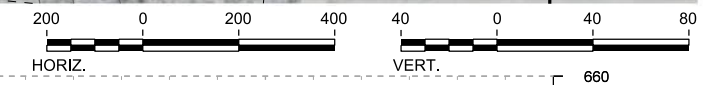
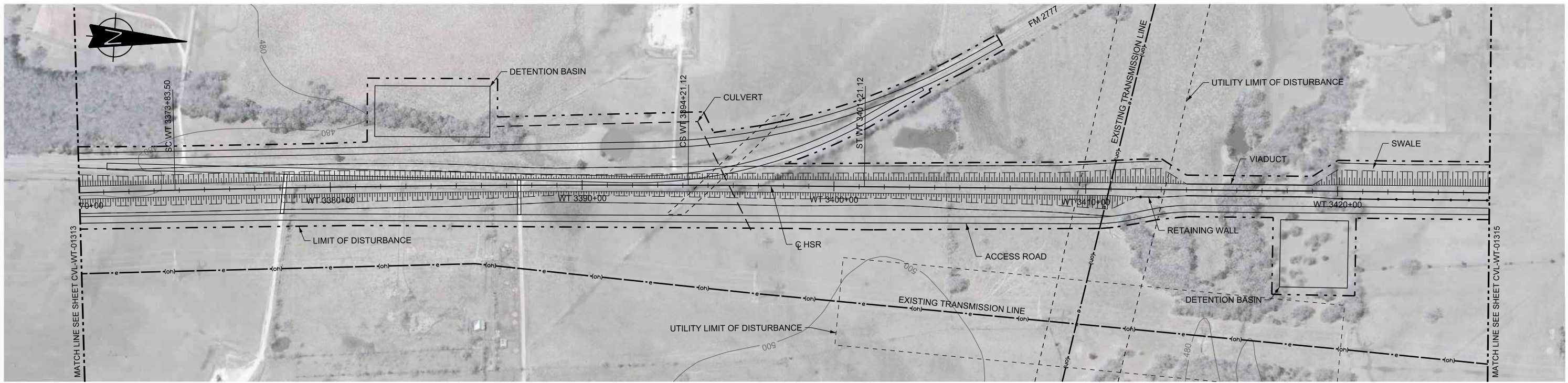
Client  
**TEXAS CENTRAL**  
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3314+00 TO WT 3370+00**

Scale  
**AS SHOWN**

Drawing Status  
**FINAL DRAFT**

Job No <b>234180</b>	Drawing No <b>CVL-WT-01313</b>	Rev <b>01</b>
-------------------------	-----------------------------------	------------------



STATIONING	WT 3370+00	WT 3380+00	WT 3390+00	WT 3400+00	WT 3410+00	WT 3420+00	WT 3426+00
HOR. ALIGNMENT	L=700		R=70000 L=2038		L=700	L=9388	
VER. ALIGNMENT			L=5968.32 G=0.300%		L=9388		
CUT AND FILL	+11.6	+11.8	+12.1	+12.1	+12.1	+12.5	+12.1
TYP. SECTION	EMBANKMENT (F)					VIADUCT (E)	

PROFILE

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

REV	DATE	BY	CHK	APP	DESCRIPTION

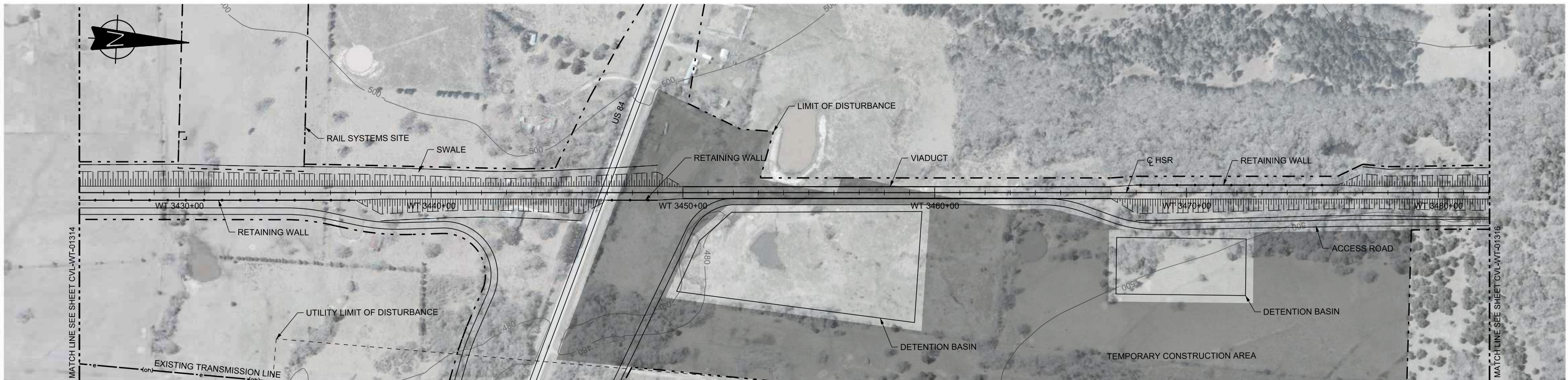
**ARUP**  
 Arup Texas, Inc.  
 10370 Richmond Ave., Suite 475  
 Houston, Texas 77042 USA  
 Tel (713) 783 2787 Fax (713) 343 1467  
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 Texas Registered Engineering Firm: F-2144

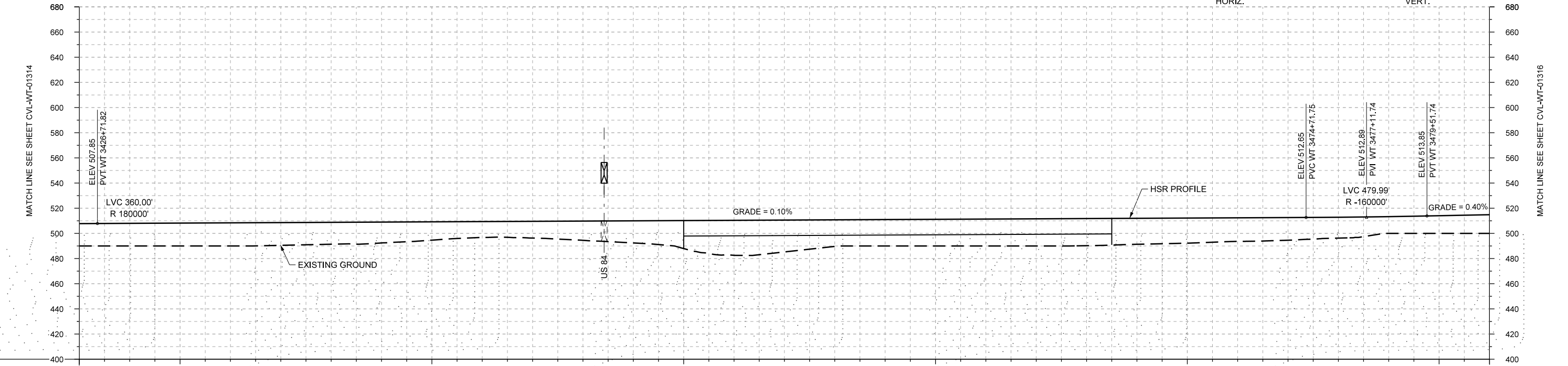
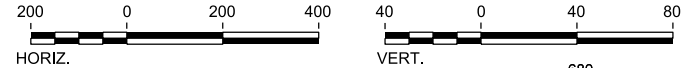
Client  
  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE**  
 WT 3370+00 TO WT 3426+00

Scale  
 AS SHOWN  
 Drawing Status  
**FINAL DRAFT**  
 Job No 234180 Drawing No CVL-WT-01314 Rev 01



PLAN



PROFILE

STATIONING	WT 3426+00	WT 3430+00	WT 3440+00	WT 3450+00	WT 3460+00	WT 3470+00	WT 3480+00	WT 3482+00																				
HOR. ALIGNMENT	L=9388																											
VER. ALIGNMENT	R=180000, L=4799.93 G=0.100%, R=-160000, L=4317.45 G=0.400%																											
CUT AND FILL	+17.9	+16.0	+18.2	+18.4	+18.1	+17.4	+16.6	+14.6	+12.6	+13.3	+15.3	+17.6	+22.2	+27.8	+25.3	+21.1	+21.0	+21.2	+21.4	+21.6	+20.7	+20.0	+18.7	+18.0	+16.5	+13.3	+14.0	+14.8
TYP. SECTION	EMBANKMENT (A)										VIADUCT (E)					EMBANKMENT (A)												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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Texas Registered Engineering Firm: F-2144

Client

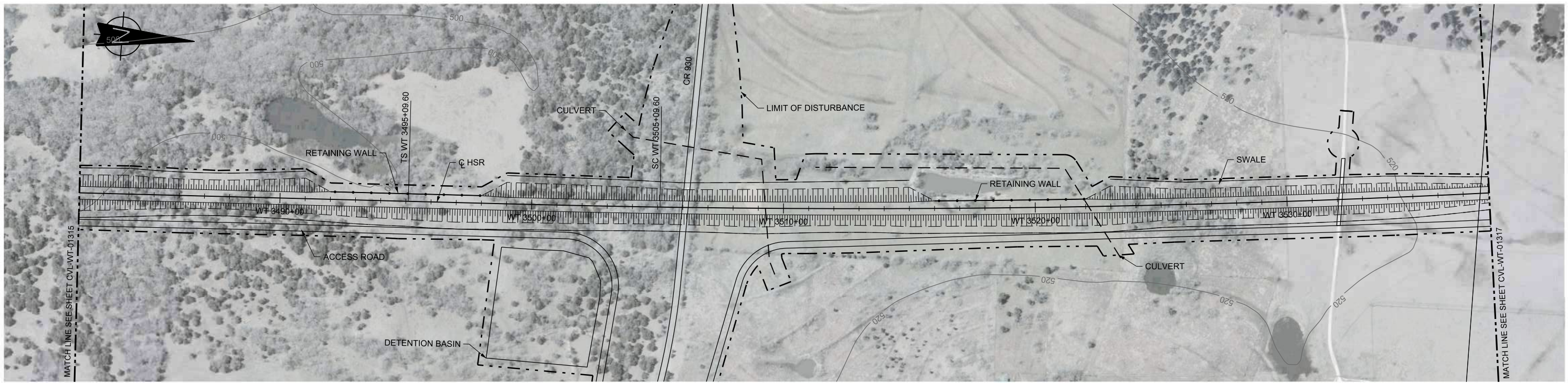
**TEXAS CENTRAL**

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

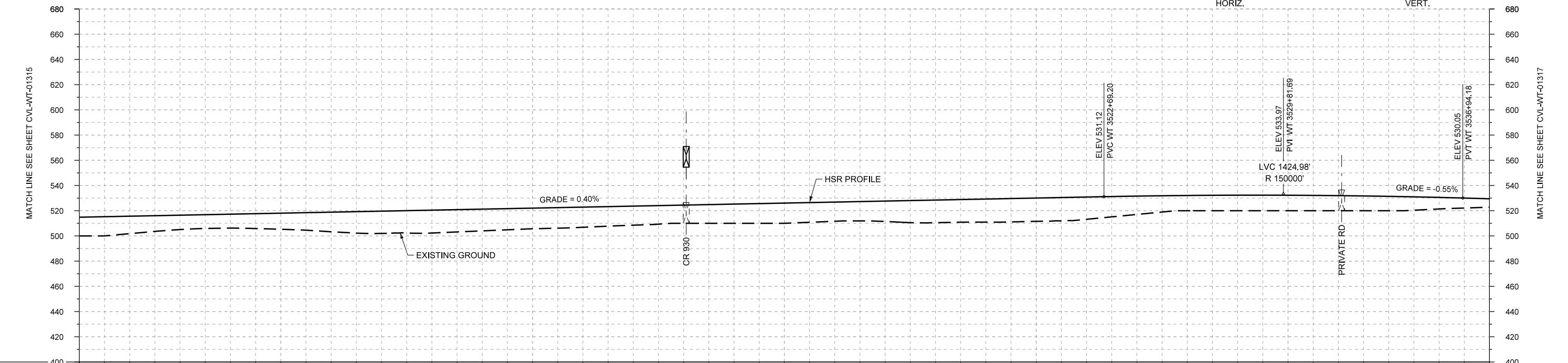
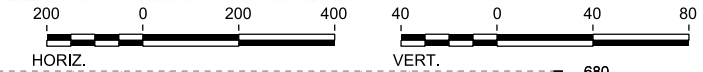
Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3426+00 TO WT 3482+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01315
Rev	01





PLAN



PROFILE

STATIONING	WT 3482+00	WT 3490+00	WT 3500+00	WT 3510+00	WT 3520+00	WT 3530+00	WT 3538+00																					
HOR. ALIGNMENT	L=9388		L=1000		R=50000 L=25952																							
VER. ALIGNMENT			L=4317.45 G=0.400%		R=150000		L=16112.24 G=-0.550%																					
CUT AND FILL	+14.8	+13.8	+11.4	+11.0	+12.7	+15.5	+17.6	+18.1	+17.2	+16.3	+15.9	+15.1	+14.4	+15.2	+16.0	+15.2	+16.1	+17.9	+16.3	+18.4	+17.6	+14.6	+12.1	+12.3	+12.3	+12.0	+11.4	+9.1
TYP. SECTION	EMBANKMENT (A)																											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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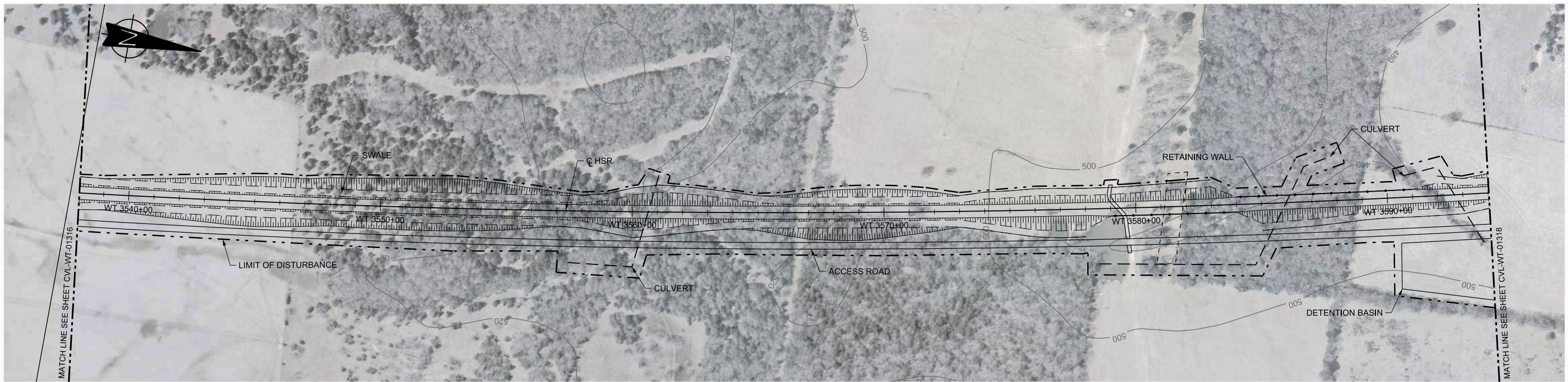
Client

**TEXAS CENTRAL**

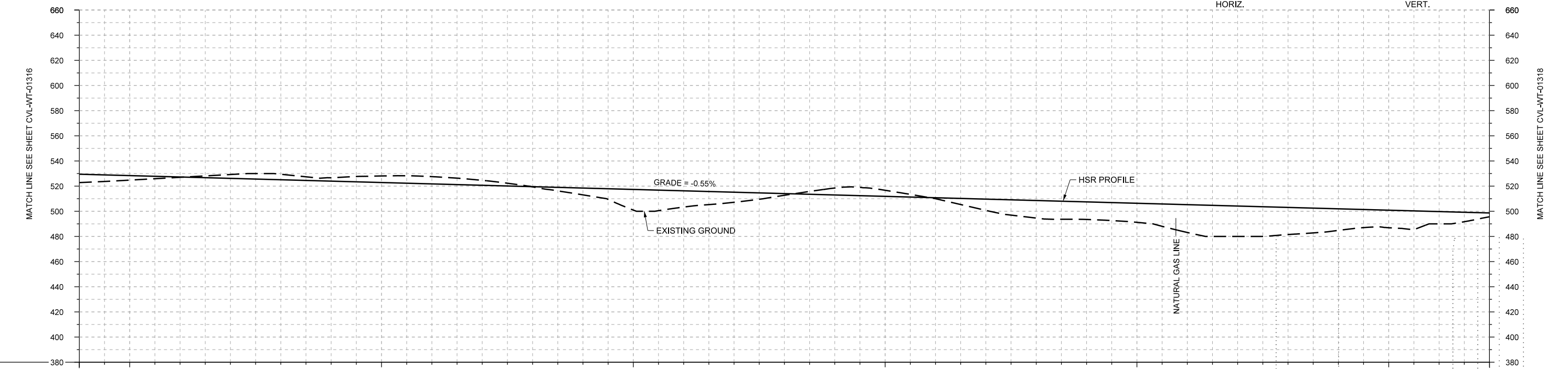
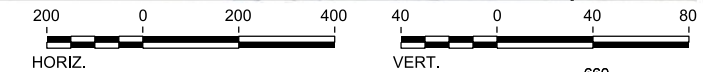
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3482+00 TO WT 3538+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	234180	Drawing No	CVL-WT-01316
Rev			01



PLAN



PROFILE

STATIONING	WT 3538+00	WT 3540+00		WT 3550+00		WT 3560+00		WT 3570+00		WT 3580+00		WT 3590+00	WT 3594+00																
HOR. ALIGNMENT	R=50000 L=25952																												
VER. ALIGNMENT	L=16112.24 G=-0.550%																												
CUT AND FILL	+6.7	+3.6	+0.3	-3.0	-4.4	-2.7	-5.2	-5.8	-3.9	+0.2	+5.5	+16.4	+12.9	+8.0	+1.4	-5.5	-4.8	+0.8	+9.0	+14.0	+14.0	+15.2	+22.1	+24.2	+21.6	+17.2	+13.9	+9.8	+3.1
TYP. SECTION	A		C					A		C		A																	

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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Dallas, Texas 75204  
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Texas Registered Engineering Firm: F-2144

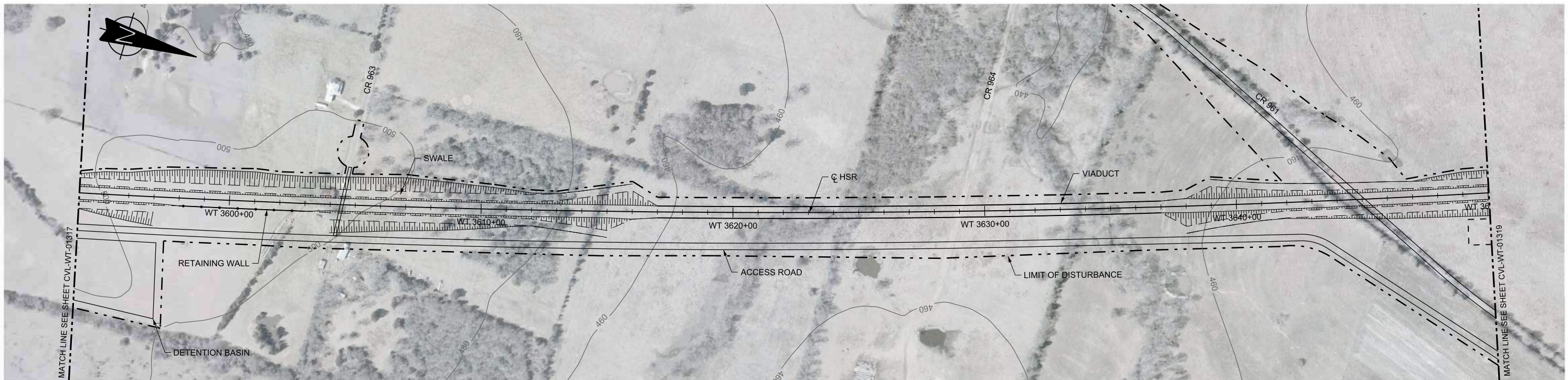
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**TEXAS CENTRAL**

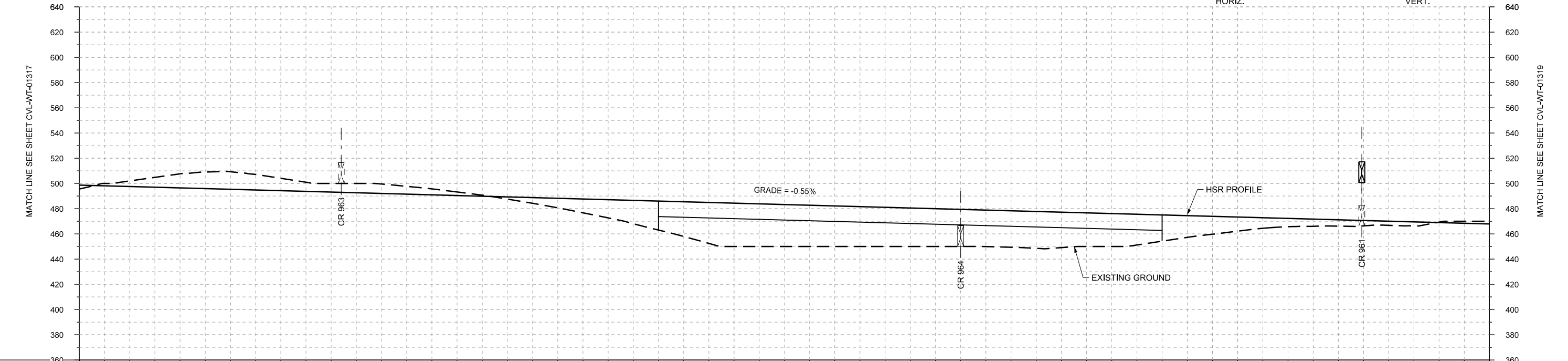
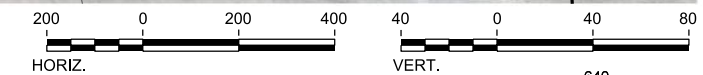
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3538+00 TO WT 3594+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01317
Rev	01



PLAN



PROFILE

STATIONING	WT 3594+00	WT 3600+00	WT 3610+00	WT 3620+00	WT 3630+00	WT 3640+00	WT 3650+00																						
HOR. ALIGNMENT																													
VER. ALIGNMENT	$R=50000$ $L=24956.12$ $G=-0.550\%$																												
CUT AND FILL	+3.1	-4.4	-11.1	-13.9	-9.8	-6.8	-7.4	-4.7	-0.8	+4.6	+11.0	+18.5	+27.5	+34.4	+33.3	+32.2	+31.1	+30.0	+29.0	+29.3	+26.7	+24.4	+17.3	+11.2	+6.6	+5.1	+3.3	-0.3	-2.1
TYP. SECTION	CUT (C)				EMBANKMENT (A)				VIADUCT (E)				EMBANKMENT (A)				CUT (C)												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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Texas Registered Engineering Firm: F-2144

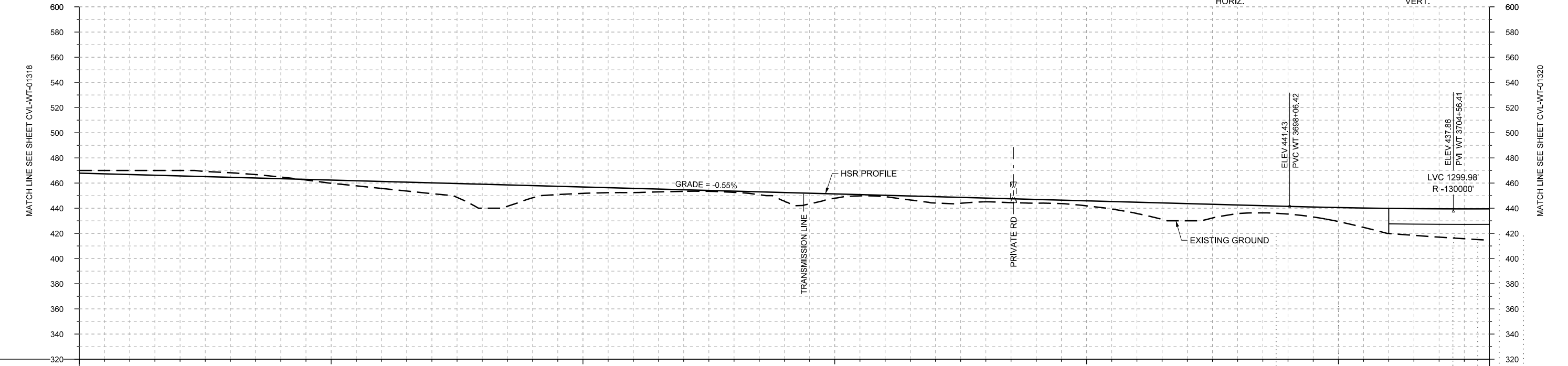
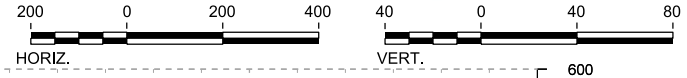
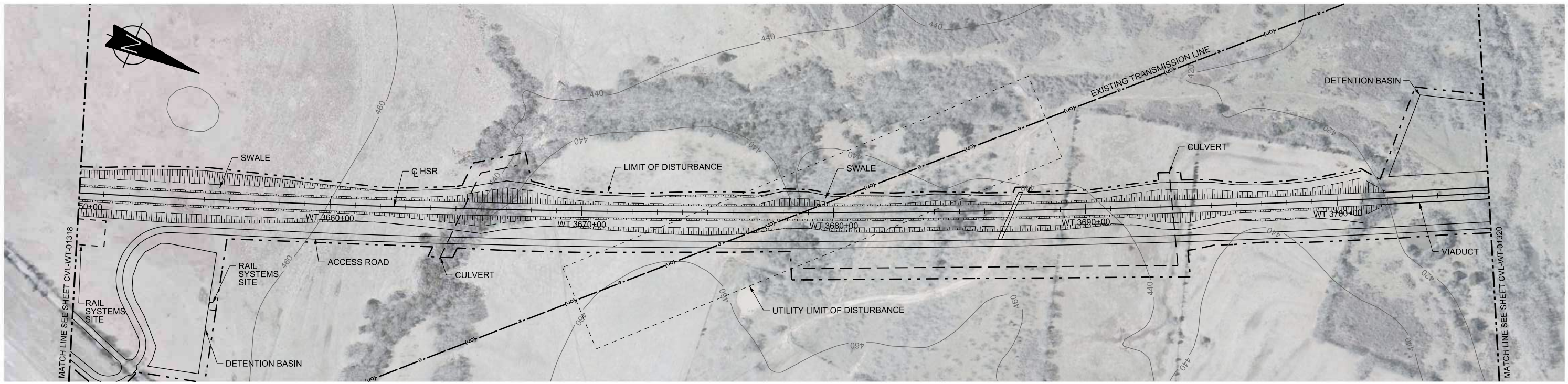
Client

**TEXAS CENTRAL**

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

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3594+00 TO WT 3650+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	Drawing No	Rev	
234180	CVL-WT-01318	01	



STATIONING	WT 3650+00	WT 3660+00	WT 3670+00	WT 3680+00	WT 3690+00	WT 3700+00	WT 3706+00																						
HOR. ALIGNMENT																													
VER. ALIGNMENT	L=16112.24 G=-0.550% R=50000 L=25952 R=130000																												
CUT AND FILL	-2.1	-3.2	-4.3	-3.6	-1.3	+2.6	+5.6	+8.6	+19.1	+9.7	+5.1	+3.4	+1.3	+1.0	+6.9	+3.4	+1.2	+5.1	+3.0	+3.0	+4.0	+9.0	+13.7	+6.8	+6.1	+1.1	+20.0	+22.5	+24.9
TYP. SECTION	CUT (C)			EMBANKMENT (A)			CUT (C)	(A)	CUT (C)	EMBANKMENT (A)	(C)	EMBANKMENT (A)			VIADUCT (E)														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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

Client

**TEXAS CENTRAL**

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

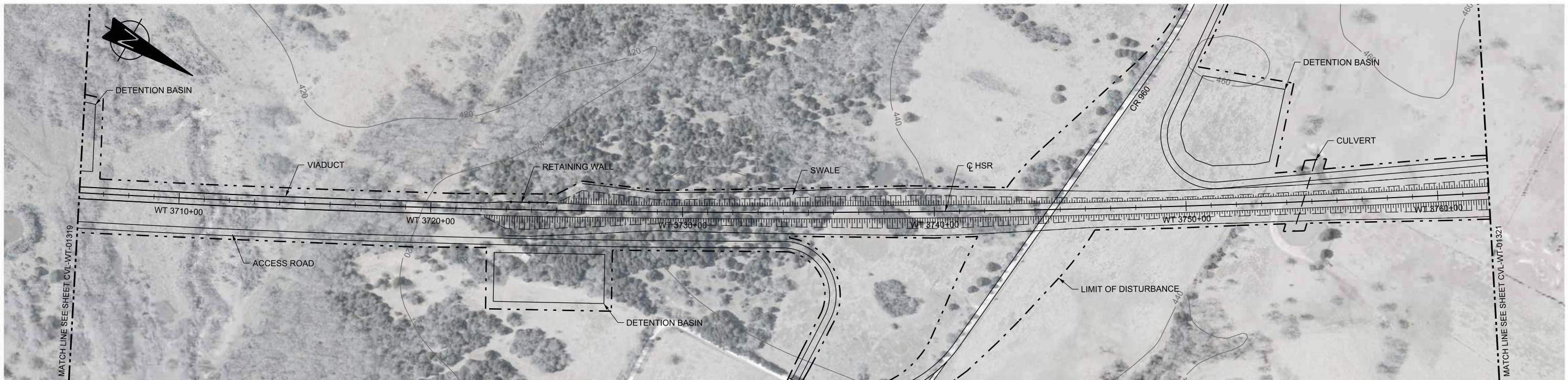
Drawing Title

**WEST OF TEAGUE SEGMENT CIVIL  
PLAN AND PROFILE  
WT 3650+00 TO WT 3706+00**

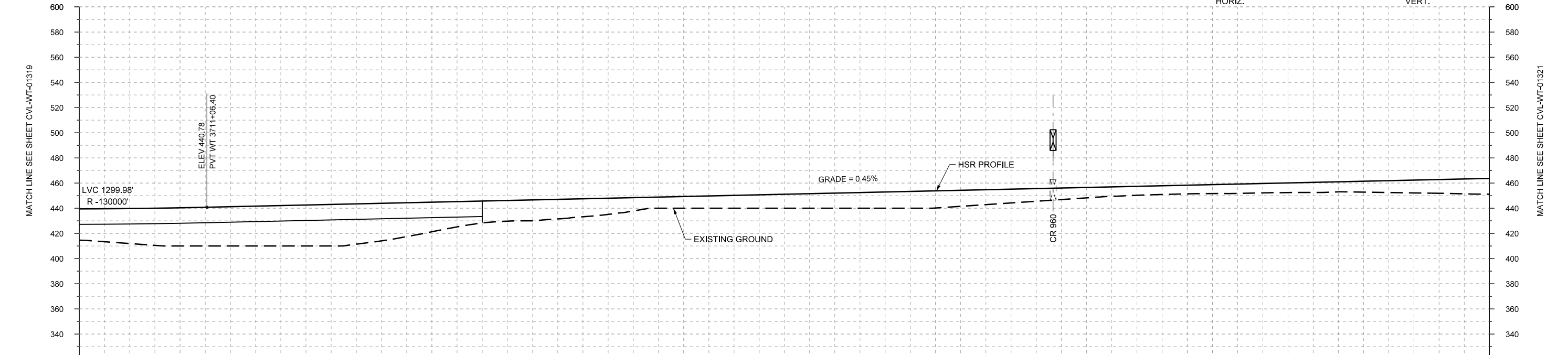
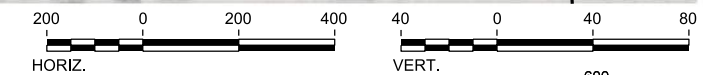
Scale  
**AS SHOWN**

Drawing Status  
**FINAL DRAFT**

Job No	Drawing No	Rev
234180	CVL-WT-01319	01



PLAN



PROFILE

STATIONING	WT 3706+00	WT 3710+00	WT 3720+00	WT 3730+00	WT 3740+00	WT 3750+00	WT 3760+00	WT 3762+00																					
HOR. ALIGNMENT																													
VER. ALIGNMENT	$R = -130000$																												
CUT AND FILL	+24.9	+27.9	+30.3	+31.2	+32.1	+33.0	+29.8	+23.5	+17.5	+16.6	+14.3	+10.6	+9.3	+10.2	+11.1	+12.0	+12.9	+13.6	+11.8	+10.1	+8.3	+7.1	+6.9	+7.5	+7.6	+8.0	+9.4	+10.9	+12.5
TYP. SECTION	VIADUCT (E)										EMBANKMENT (A)																		

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**



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Texas Registered Engineering Firm: F-2144



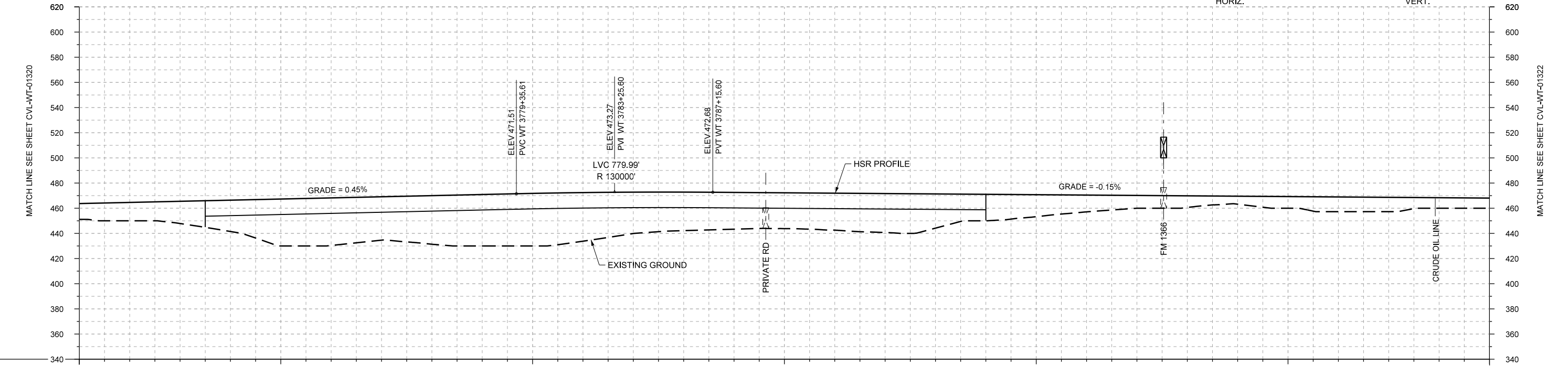
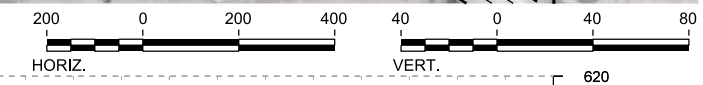
Client  
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL  
PLAN AND PROFILE  
WT 3706+00 TO WT 3762+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	234180	Drawing No	CVL-WT-01320
Rev			01



PLAN



PROFILE

STATIONING	WT 3762+00	WT 3770+00	WT 3780+00	WT 3790+00	WT 3800+00	WT 3810+00	WT 3818+00																					
HOR. ALIGNMENT	R=50000 L=25952		L=1000		L=34425																							
VER. ALIGNMENT	L=6829.21 G=0.450%		R=130000		L=3572.41 G=-0.150%																							
CUT AND FILL	+12.5	+14.6	+17.7	+24.9	+37.3	+37.8	+34.5	+36.6	+40.9	+41.8	+36.6	+32.9	+30.6	+29.3	+28.5	+29.4	+31.0	+27.2	+21.1	+17.5	+13.4	+10.2	+9.3	+6.4	+9.3	+11.8	+11.4	+8.4
TYP. SECTION	EMBANKMENT (A)			VIADUCT (E)										EMBANKMENT (A)														

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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Texas Registered Engineering Firm: F-2144

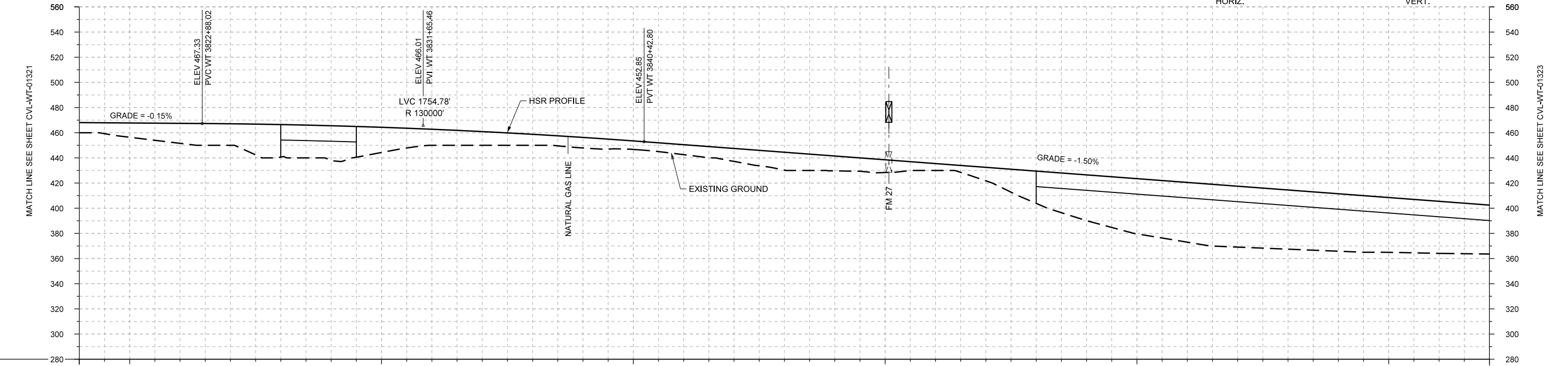
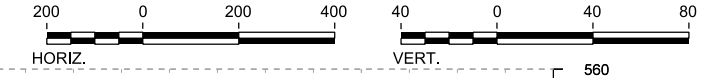
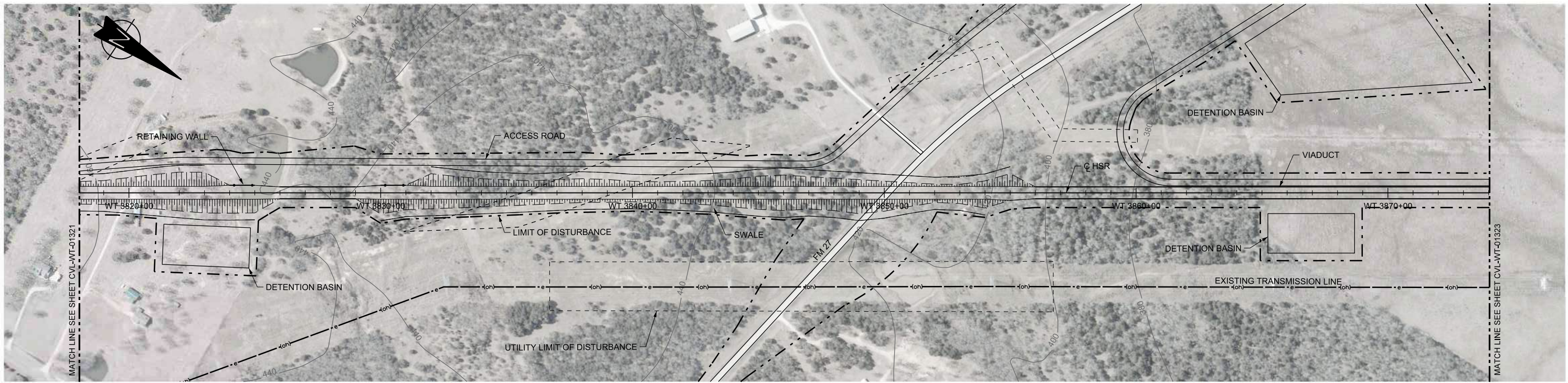
Client

**TEXAS CENTRAL**

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

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3762+00 TO WT 3818+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01321
Rev	01



STATIONING	WT 3818+00	WT 3820+00	WT 3830+00	WT 3840+00	WT 3850+00	WT 3860+00	WT 3870+00	WT 3874+00																					
HOR. ALIGNMENT	L=34425																												
VER. ALIGNMENT	L=3572.41 G=-0.150%		R=130000			L=3633.43 G=-1.500%																							
CUT AND FILL	+8.1	+11.4	+15.9	+17.1	+25.8	+27.5	+20.0	+12.8	+10.9	+8.7	+8.4	+6.8	+7.9	+10.3	+14.2	+11.8	+10.1	+5.5	+10.7	+25.6	+36.4	+43.9	+47.5	+48.4	+47.0	+45.7	+43.6	+41.4	+36.9
TYP. SECTION	EMBANKMENT (A)			VIADUCT (K)		EMBANKMENT (F)					VIADUCT (K)																		

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

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Texas Registered Engineering Firm: F-2144

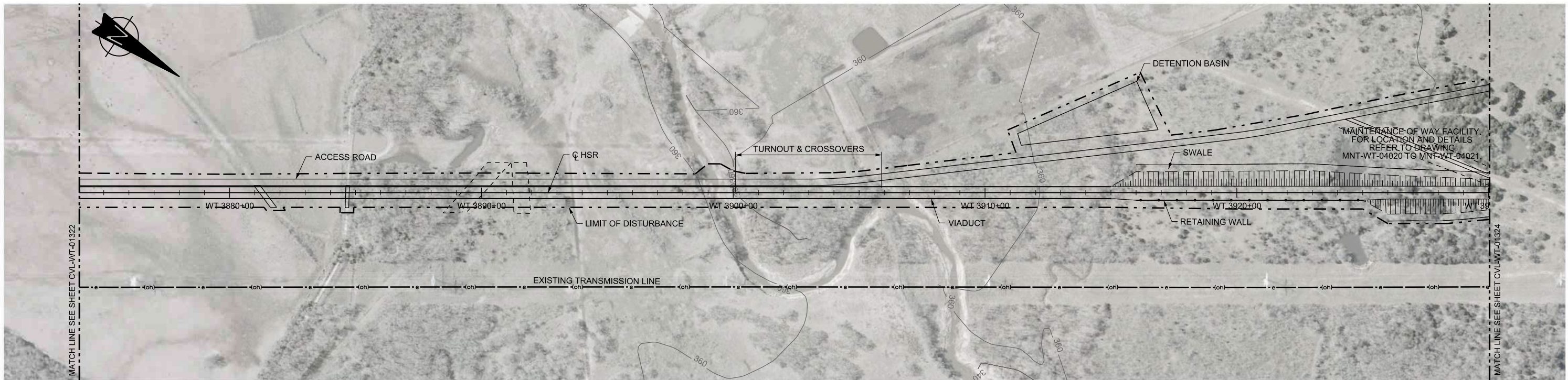
Client

**TEXAS CENTRAL**

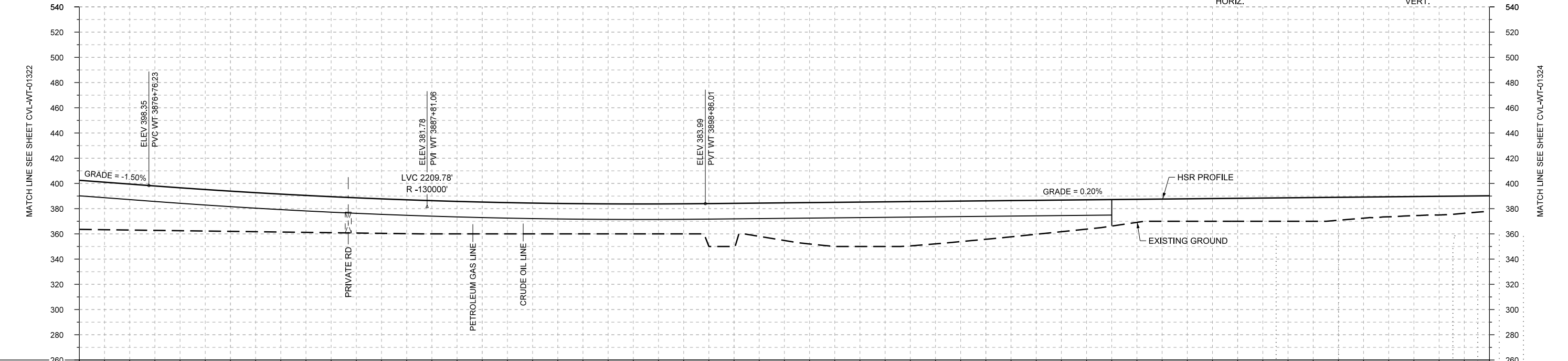
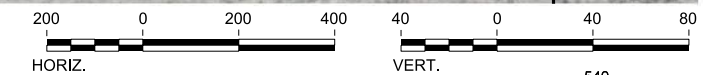
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3818+00 TO WT 3874+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01322
Rev	01



PLAN



PROFILE

STATIONING	WT 3874+00	WT 3880+00	WT 3890+00	WT 3900+00	WT 3910+00	WT 3920+00	WT 3930+00																						
HOR. ALIGNMENT	L=34425																												
VER. ALIGNMENT	L=3633.43 G=-1.500%			R=130000		L=4260.14 G=0.200%																							
CUT AND FILL	+35.9	+36.5	+34.1	+31.9	+30.0	+28.6	+27.4	+26.3	+25.2	+24.4	+23.9	+23.7	+23.8	+34.2	+29.9	+35.0	+35.4	+33.7	+30.5	+28.9	+23.2	+18.3	+17.8	+18.2	+18.6	+18.2	+15.8	+14.8	+12.1
TYP. SECTION	VIADUCT (K)												EMBANKMENT (F)																

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

REV	DATE	BY	CHK	APP	DESCRIPTION

**ARUP**

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

Client

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

Drawing Title

**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE**  
WT 3874+00 TO WT 3930+00

Scale

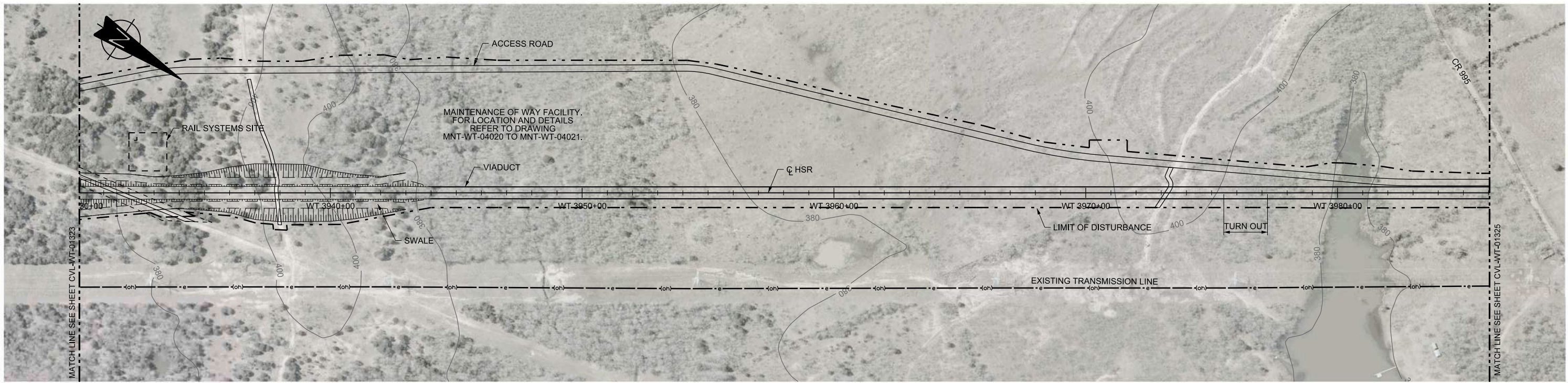
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Drawing Status

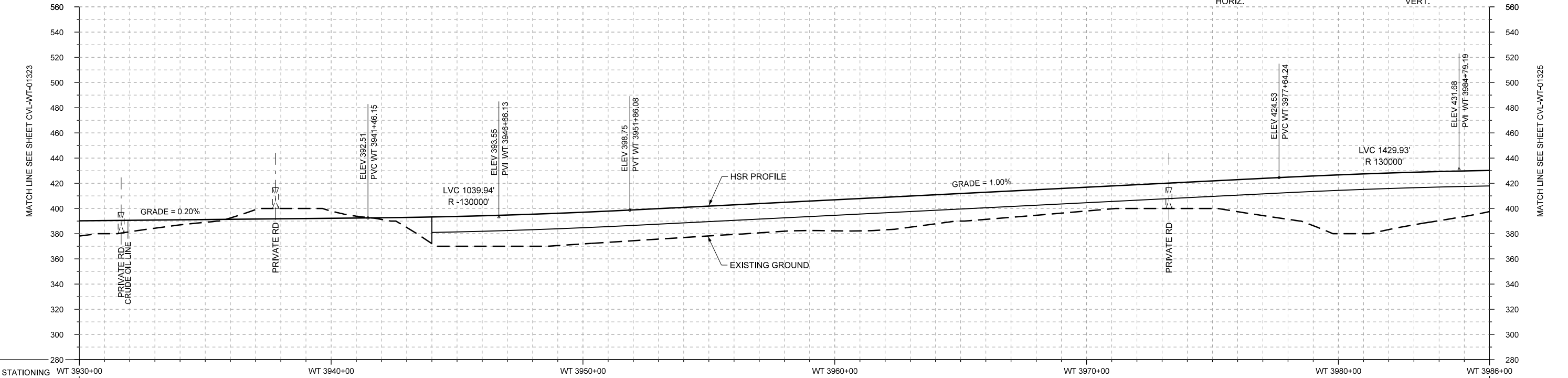
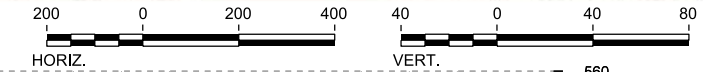
**FINAL DRAFT**

Job No	Drawing No	Rev
234180	CVL-WT-01323	01





PLAN



PROFILE

STATIONING	WT 3930+00	WT 3940+00	WT 3950+00	WT 3960+00	WT 3970+00	WT 3980+00	WT 3986+00																					
HOR. ALIGNMENT	L=34425																											
VER. ALIGNMENT	L=4260.14 G=0.200%		R=130000		L=2578.16 G=1.000%		R=130000																					
CUT AND FILL	+12.1	+9.1	+4.0	-1.1	-6.2	-5.7	+1.3	+21.2	+24.2	+25.5	+25.1	+24.5	+23.9	+23.6	+24.6	+25.8	+23.1	+1.5	+20.3	+18.9	+18.9	+20.9	+25.4	+33.5	+46.7	+44.9	+39.0	+32.7
TYP. SECTION	EMBANKMENT (F)		CUT (H)				VIADUCT (K)																					

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

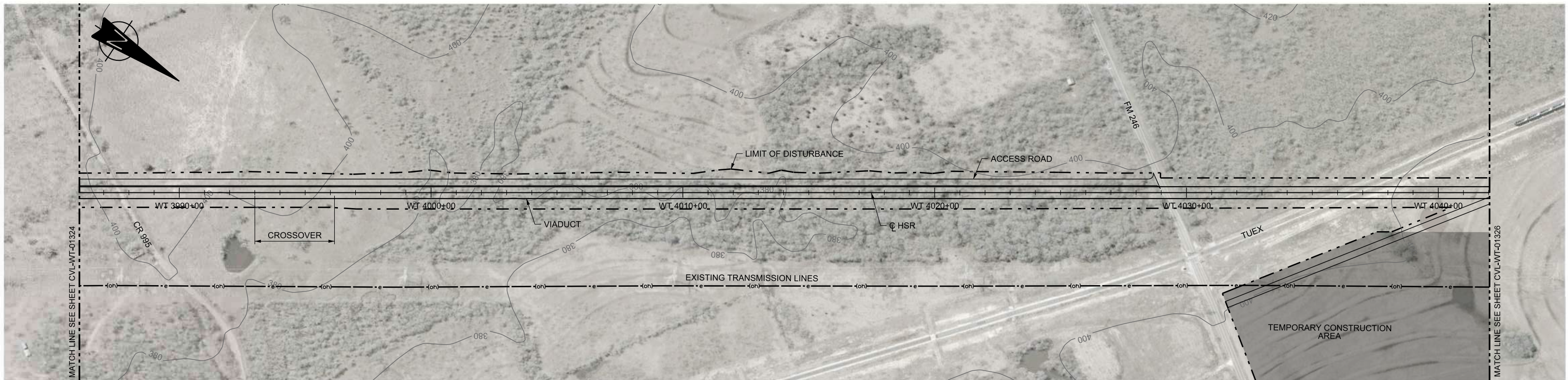
**ARUP**  
 Arup Texas, Inc.  
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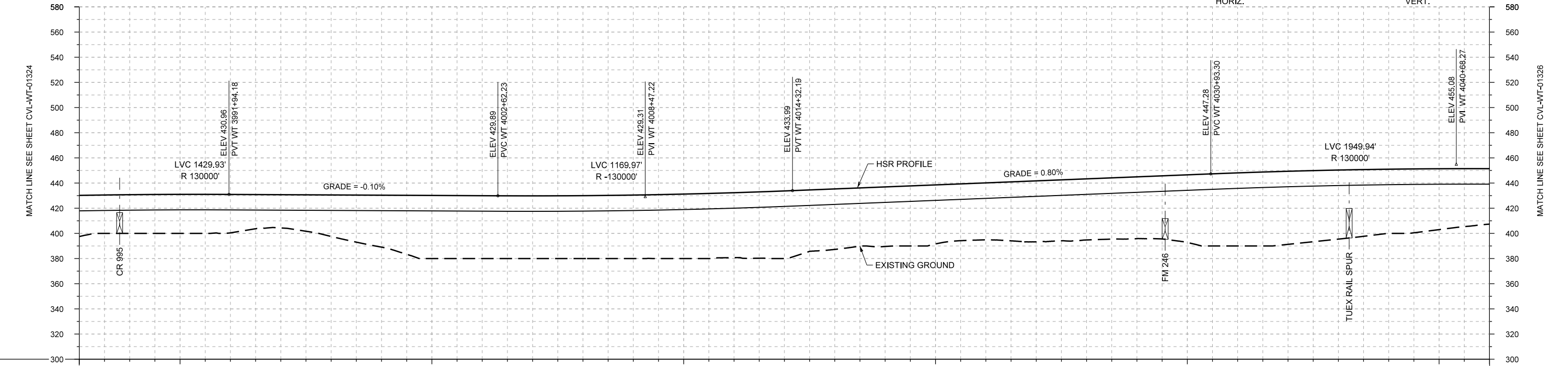
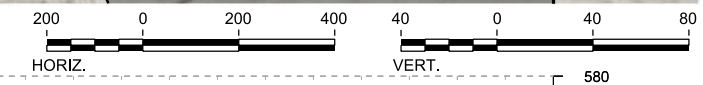
Client  
  
**TEXAS CENTRAL**  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL  
 PLAN AND PROFILE  
 WT 3930+00 TO WT 3986+00**

Scale	AS SHOWN		
Drawing Status	FINAL DRAFT		
Job No	234180	Drawing No	CVL-WT-01324
Rev			01



PLAN



PROFILE

STATIONING	WT 3986+00	WT 3990+00	WT 4000+00	WT 4010+00	WT 4020+00	WT 4030+00	WT 4040+00	WT 4042+00																					
HOR. ALIGNMENT	L=34425																												
VER. ALIGNMENT	R=130000		L=1068.05 G=-0.100%		R=-130000		L=1661.10 G=0.800%																						
CUT AND FILL	+32.7	+30.8	+31.0	+30.6	+26.5	+33.0	+41.3	+50.2	+50.0	+49.8	+50.0	+50.5	+51.2	+51.6	+53.7	+48.0	+47.3	+46.9	+45.2	+48.4	+48.5	+49.1	+53.7	+58.1	+58.1	+54.8	+51.0	+48.4	+44.1
TYP. SECTION	VIADUCT (K)																												

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY  
**F. DAGRIN**

DRAWN BY  
**R. GIBBINS**

CHECKED BY  
**K. SEYMOUR**

IN CHARGE  
**C. TAYLOR**

DATE  
**09/15/2017**

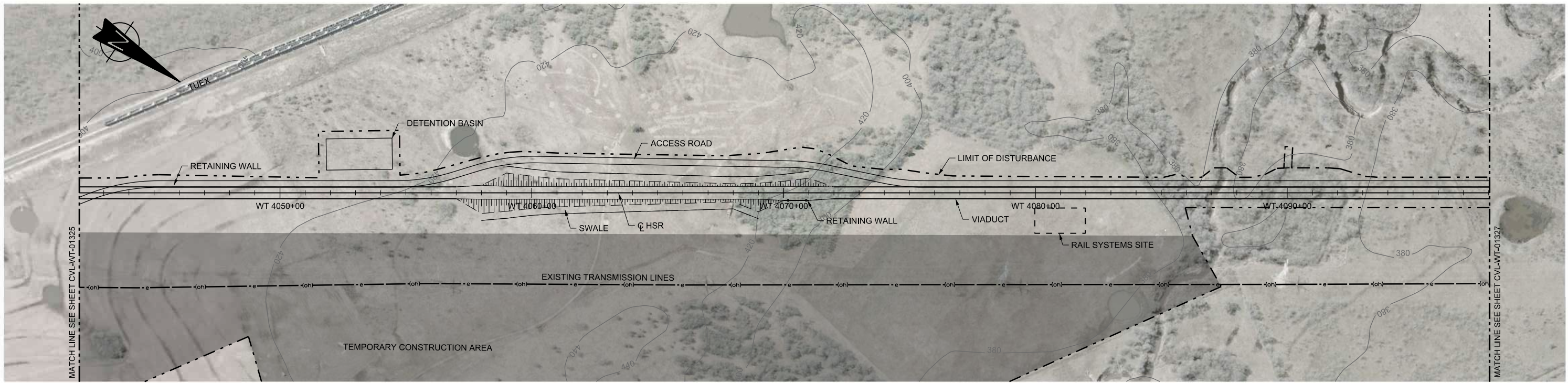
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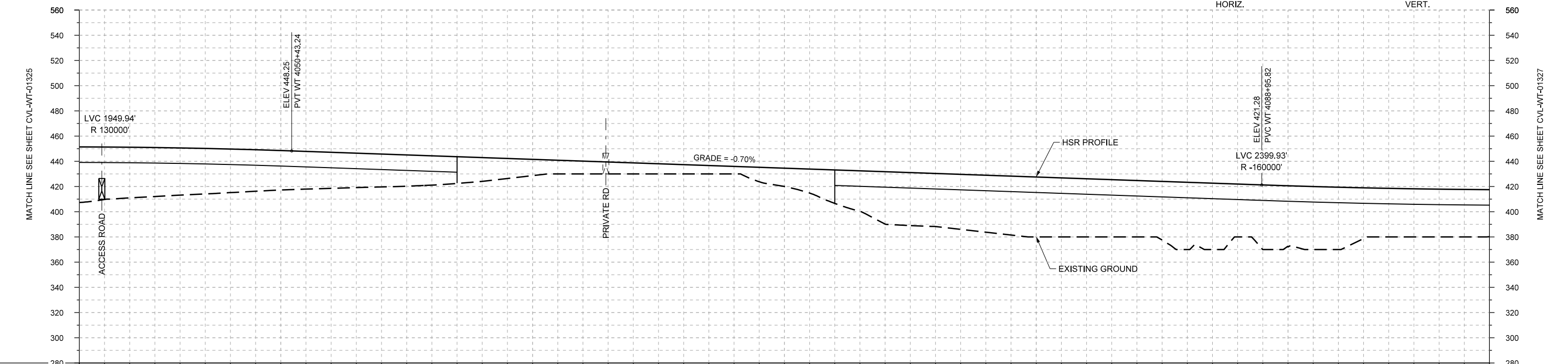
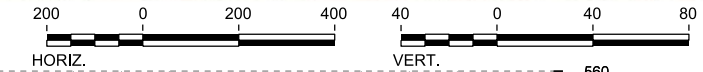
Client  
  
**TEXAS CENTRAL**  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL PLAN AND PROFILE WT 3986+00 TO WT 4042+00**

Scale	AS SHOWN
Drawing Status	FINAL DRAFT
Job No	234180
Drawing No	CVL-WT-01325
Rev	01



PLAN



PROFILE

STATIONING	WT 4042+00	WT 4050+00	WT 4060+00	WT 4070+00	WT 4080+00	WT 4090+00	WT 4098+00																						
HOR. ALIGNMENT	L=34425																												
VER. ALIGNMENT	R=130000		L=3852.58 G=-0.700%			R=-160000																							
CUT AND FILL	+44.1	+40.2	+37.4	+34.5	+31.2	+28.7	+26.1	+23.3	+19.9	+13.0	+10.2	+8.8	+7.4	+6.0	+14.6	+26.6	+41.6	+42.1	+45.2	+47.6	+45.2	+44.8	+53.4	+42.0	+48.5	+49.4	+38.5	+37.9	+37.3
TYP. SECTION	VIADUCT (K)										EMBANKMENT (F)							VIADUCT (K)											

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY <b>F. DAGRIN</b>
DRAWN BY <b>R. GIBBINS</b>
CHECKED BY <b>K. SEYMOUR</b>
IN CHARGE <b>C. TAYLOR</b>
DATE <b>09/15/2017</b>

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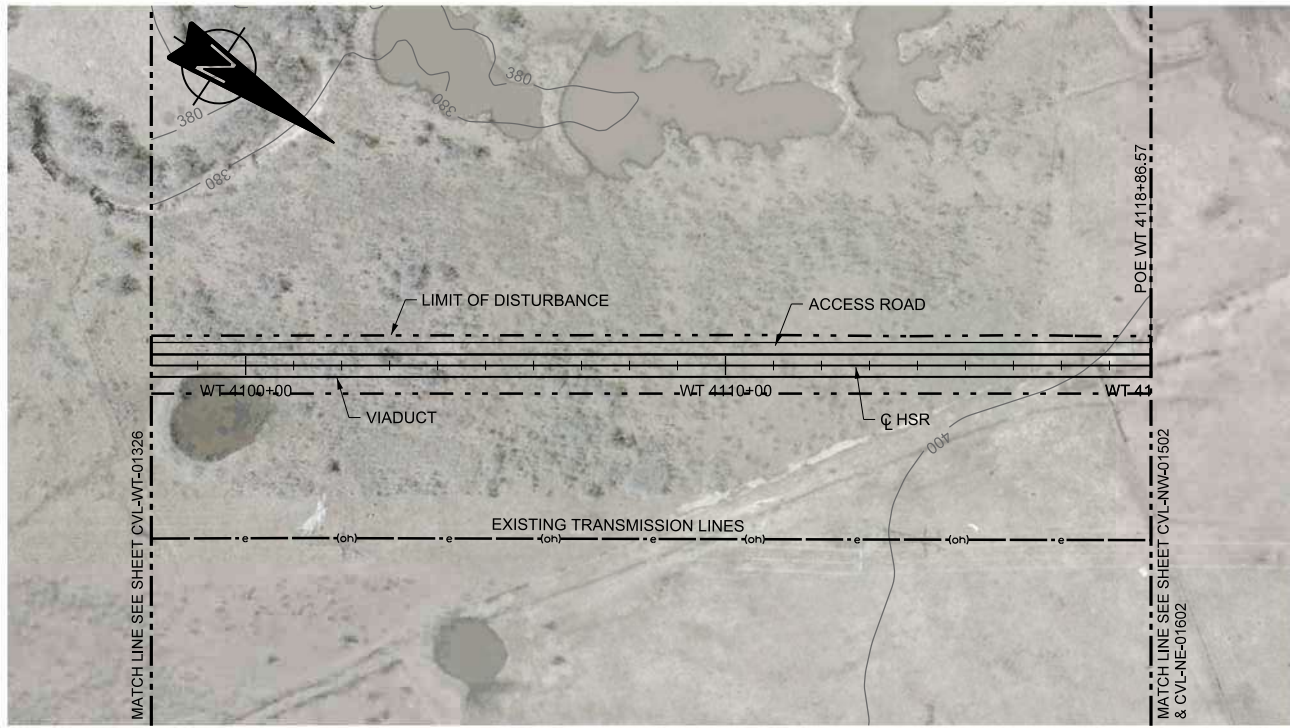
Client  
  
**TEXAS CENTRAL**  
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL  
 PLAN AND PROFILE  
 WT 4042+00 TO WT 4098+00**

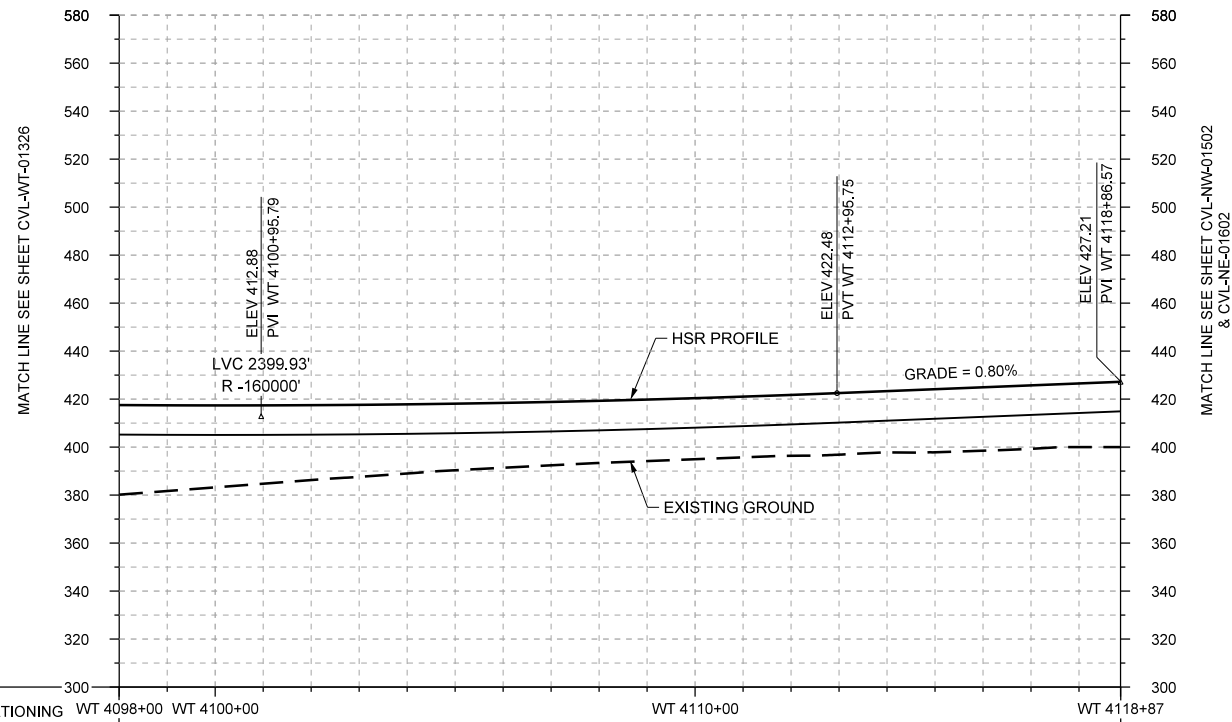
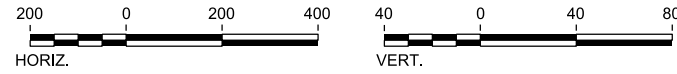
Scale  
**AS SHOWN**

Drawing Status  
**FINAL DRAFT**

Job No <b>234180</b>	Drawing No <b>CVL-WT-01326</b>	Rev <b>01</b>
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PLAN



STATIONING	WT 4098+00	WT 4100+00	WT 4110+00	WT 4118+87
HOR. ALIGNMENT	L=34425			
VER. ALIGNMENT	R=160000			
CUT AND FILL	+37.3	+34.2	+31.2	+28.8
	+27.0	+25.9	+25.4	+25.3
	+25.5	+25.4	+25.5	+25.4
	+25.4	+25.5	+25.4	+25.5
TYP. SECTION	VIADUCT (K)			

PROFILE

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY	F. DAGRIN
DRAWN BY	R. GIBBINS
CHECKED BY	K. SEYMOUR
IN CHARGE	C. TAYLOR
DATE	09/15/2017

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

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

Drawing Title  
**WEST OF TEAGUE SEGMENT CIVIL**  
**PLAN AND PROFILE**  
**WT 4098+00 TO WT 4118+87**

Scale  
**AS SHOWN**  
 Drawing Status  
**FINAL DRAFT**  
 Job No: 234180  
 Drawing No: CVL-WT-01327  
 Rev: 01