

MATCHLINE SEE SHEET 404-WT-02024

MATCHLINE SEE SHEET 404-WT-02026

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

- NOTES:**
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
 - P = PERMANENT IMPACT
 - T = TEMPORARY IMPACT
 - ES = EPHEMERAL STREAM
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 - UTILITY AND TEMPORARY CONSTRUCTION IMPACTS DO NOT REFERENCE A DETAIL.
 - DRAWINGS ARE PRINTED AT HALF-SIZE (11X17).

PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS
No. CVL-WT-01292, CVL-WT-01293 & CVL-WT-02194

HORIZ.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



Arup Texas, Inc.
10370 Richmond Ave., Suite 475
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Texas Registered Engineering Firm: F-2144



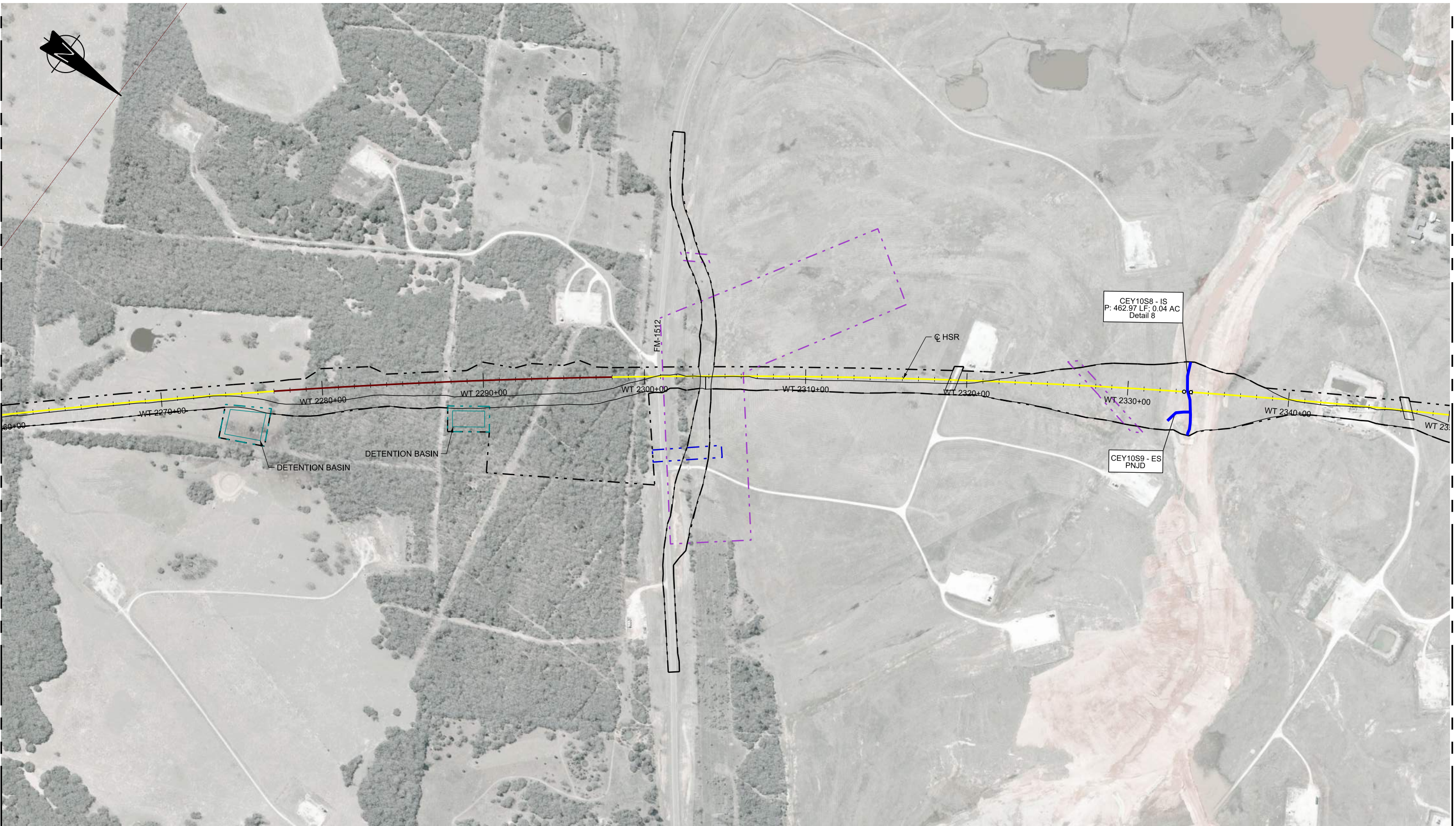
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No. 234180
Drawing No. 404-WT-02025
Rev. 03



MATCHLINE SEE SHEET 404-WT-02025

MATCHLINE SEE SHEET 404-WT-02027

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

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PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01294 & CVL-WT-02195

HORIZ.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483

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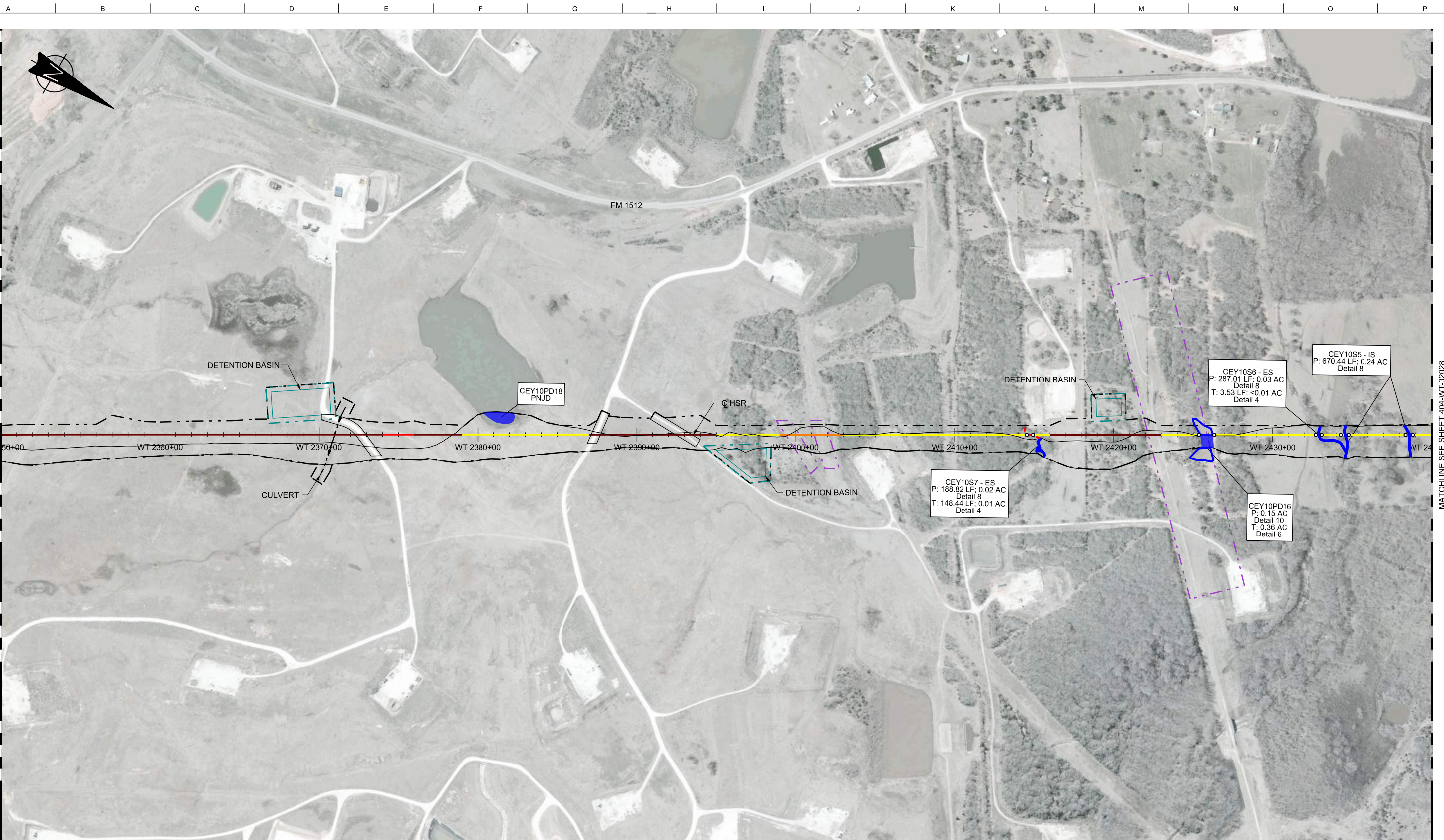
Client

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

Drawing Title
WEST OF TEAGUE SEGMENT

PLAN VIEW (FRA SEG. 4)
STA WT 2260+00 TO 2350+00

Scale AS SHOWN		
Drawing Status NOT FOR CONSTRUCTION		
Job No 234180	Drawing No 404-WT-02026	Rev 03



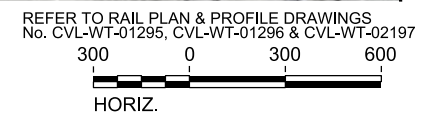
MATCHLINE SEE SHEET 404-WT-02026

MATCHLINE SEE SHEET 404-WT-02028

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CULVERT FLOW	PIER LOCATIONS
		CONVERSION WETLAND	

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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483

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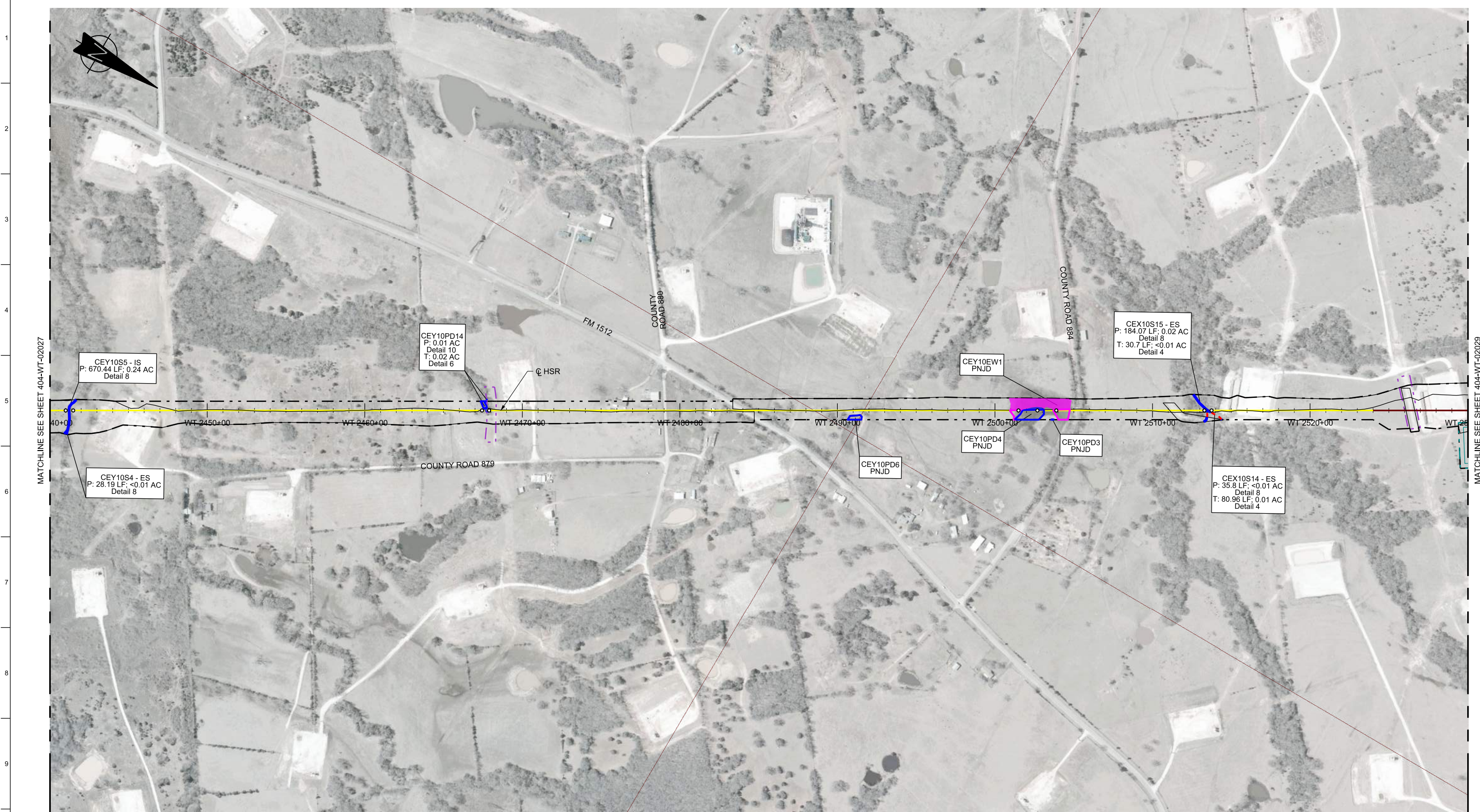
Client

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

Drawing Title
WEST OF TEAGUE SEGMENT

PLAN VIEW (FRA SEG. 4)
STA WT 2350+00 TO 2440+00

Scale AS SHOWN		
Drawing Status NOT FOR CONSTRUCTION		
Job No 234180	Drawing No 404-WT-02027	Rev 03



MATCHLINE SEE SHEET 404-WT-02027

MATCHLINE SEE SHEET 404-WT-02029

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
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PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01297 & CVL-WT-02198

HORIZ.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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Client
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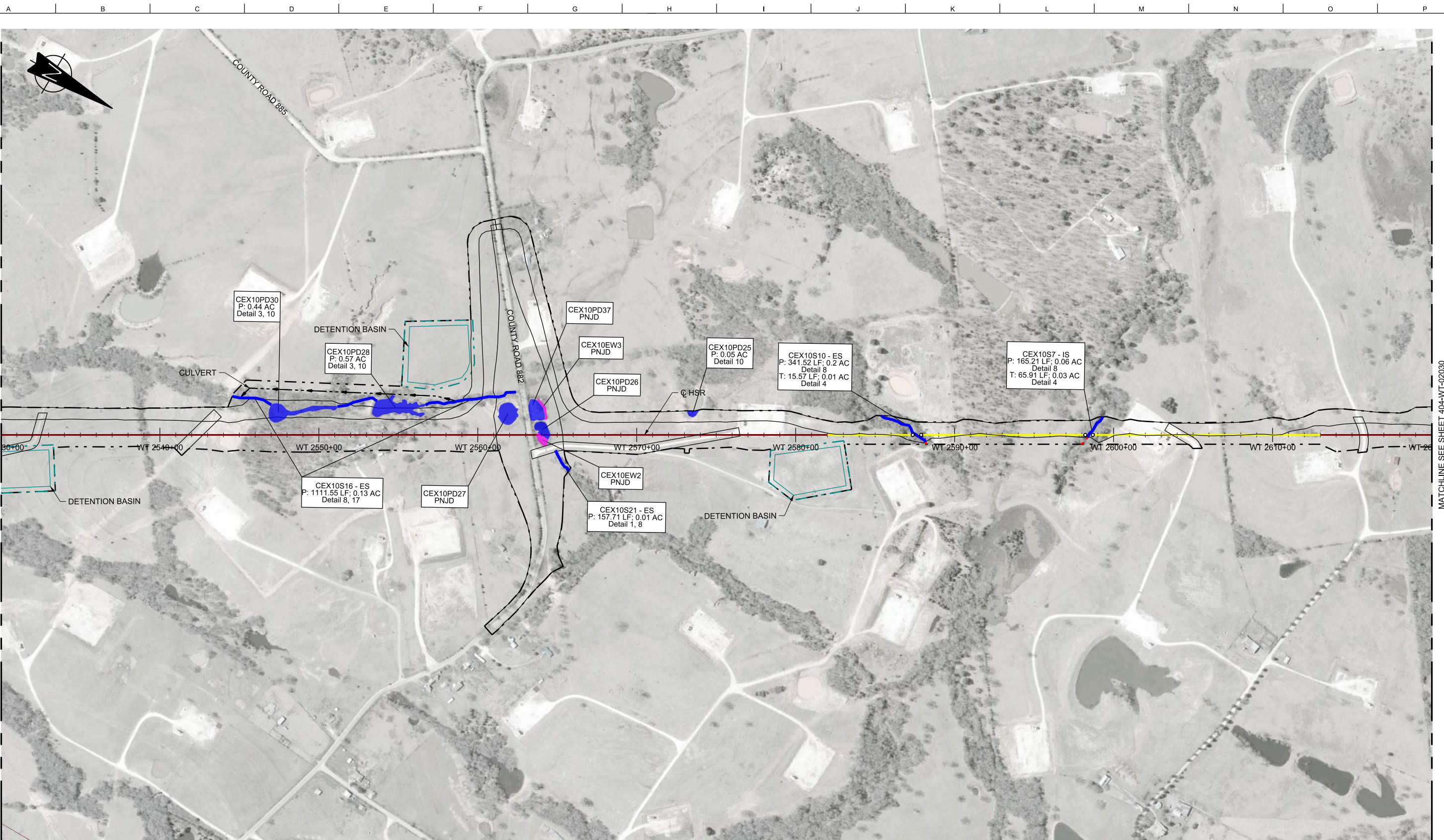
Drawing Title
WEST OF TEAGUE SEGMENT

PLAN VIEW (FRA SEG. 4)
STA WT 2440+00 TO 2530+00

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02028	03



MATCHLINE SEE SHEET 404-WT-02028

MATCHLINE SEE SHEET 404-WT-02030

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

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REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01255, CVL-WT-01299 & CVL-WT-02300

300 0 300 600
HORIZ.

PLAN

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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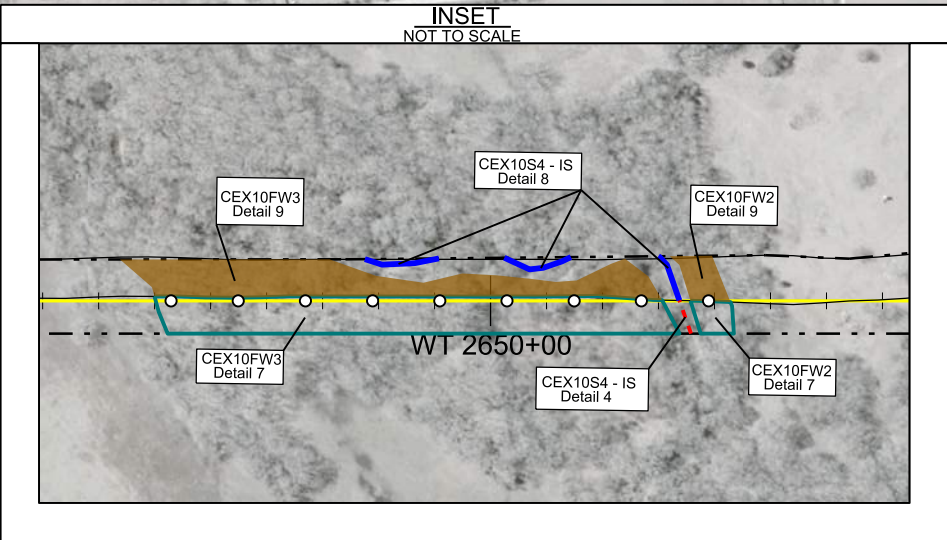
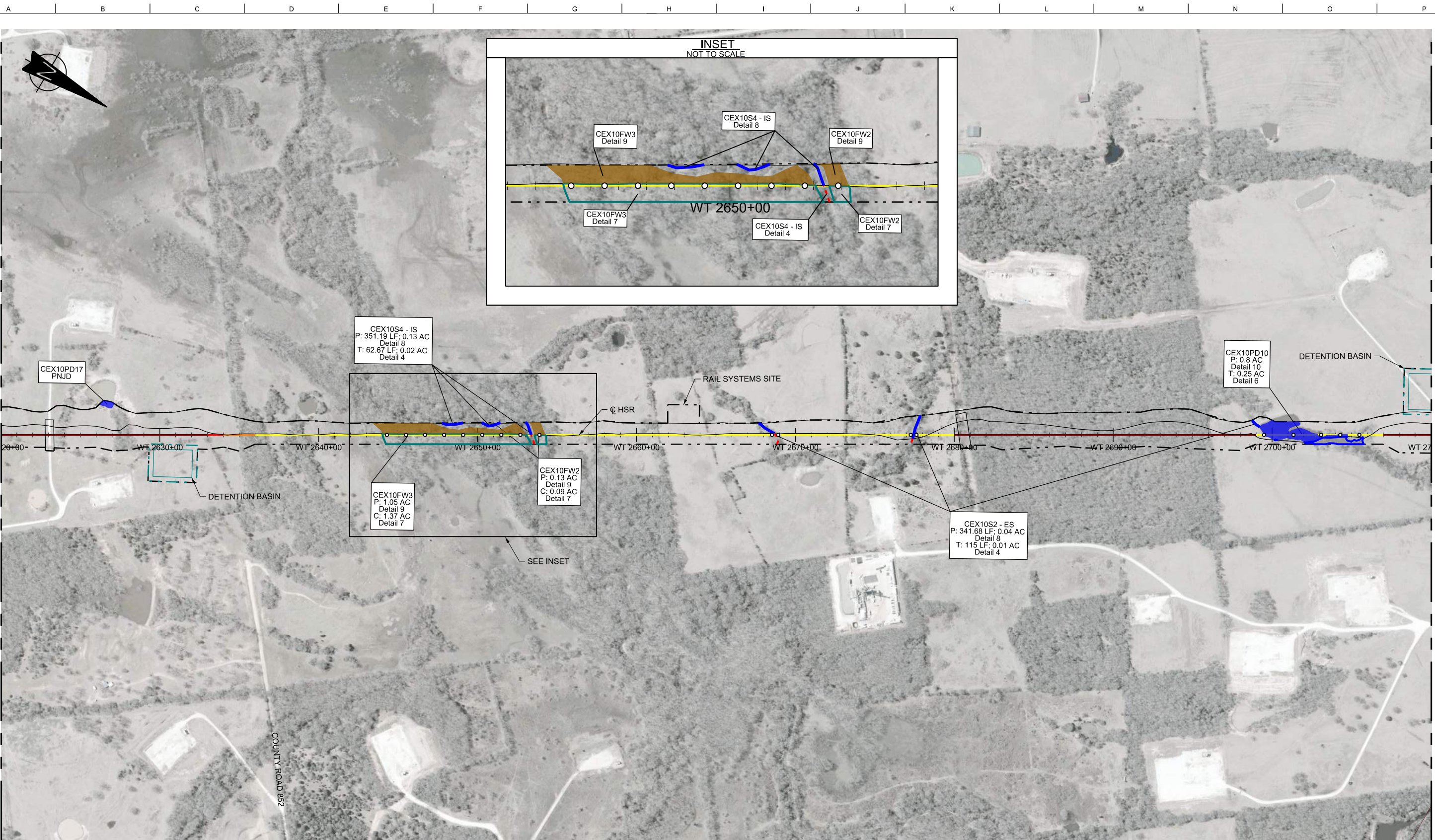


Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT

**PLAN VIEW (FRA SEG. 4)
STA WT 2530+00 TO 2620+00**

Scale AS SHOWN	Drawing Status NOT FOR CONSTRUCTION	
Job No 234180	Drawing No 404-WT-02029	Rev 03



CEX10S4 - IS
P: 351.19 LF; 0.13 AC
T: 62.67 LF; 0.02 AC
Detail 8
Detail 4

CEX10FW3
P: 1.05 AC
Detail 9
C: 1.37 AC
Detail 7

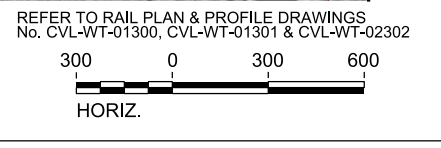
CEX10FW2
P: 0.13 AC
Detail 9
C: 0.03 AC
Detail 7

CEX10S2 - ES
P: 341.68 LF; 0.04 AC
Detail 8
T: 115 LF; 0.01 AC
Detail 4

CEX10PD10
P: 0.8 AC
Detail 10
T: 0.25 AC
Detail 6

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
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EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

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DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483

ARUP

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Client

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

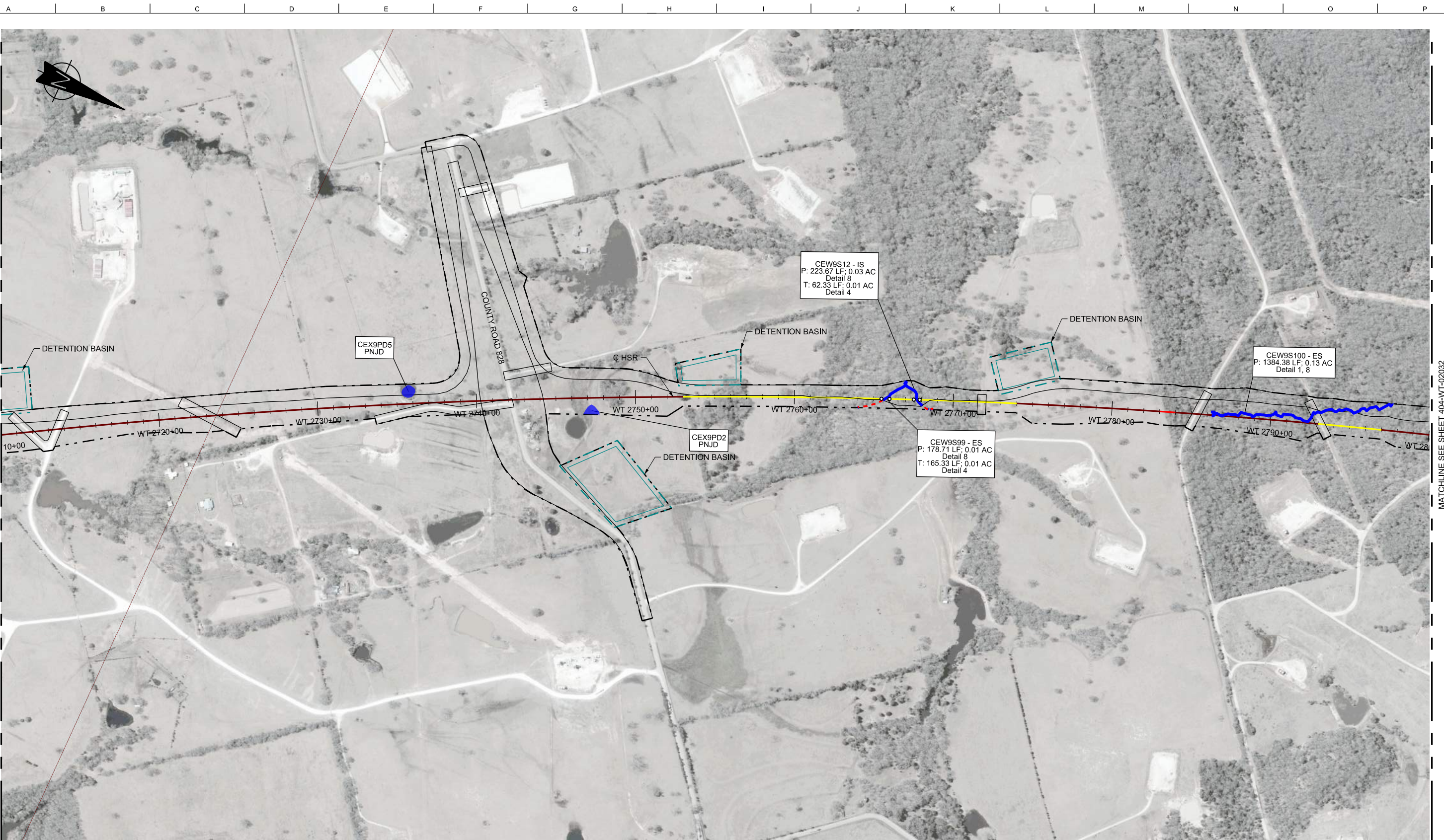
Drawing Title
WEST OF TEAGUE SEGMENT

PLAN VIEW (FRA SEG. 4)
STA WT 2620+00 TO 2710+00

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02030	03

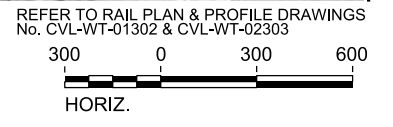


MATCHLINE SEE SHEET 404-WT-02030

MATCHLINE SEE SHEET 404-WT-02032

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
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VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

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R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483

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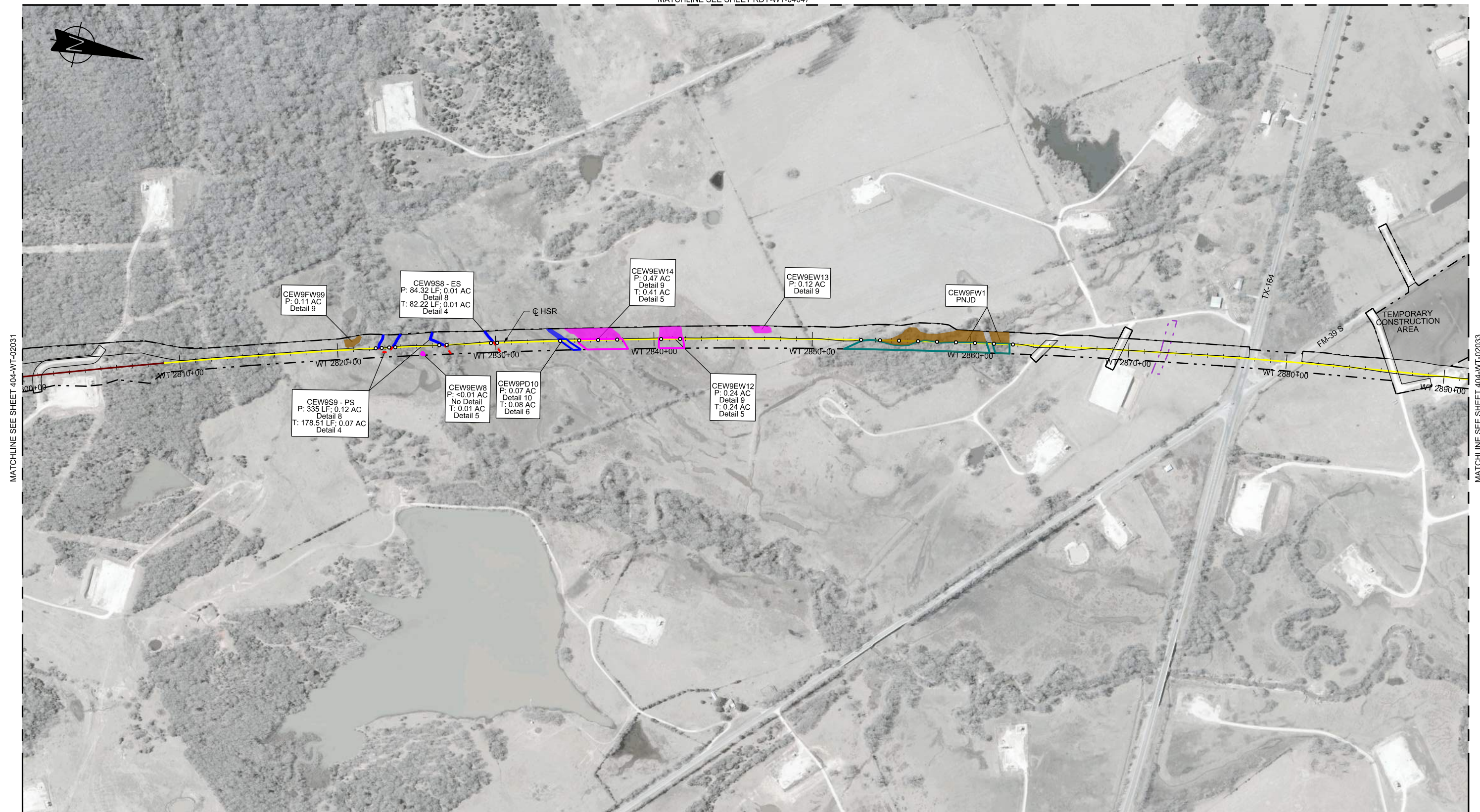
Client

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

Drawing Title
WEST OF TEAGUE SEGMENT

PLAN VIEW (FRA SEG. 4)
STA WT 2710+00 TO 2800+00

Scale AS SHOWN	Drawing Status NOT FOR CONSTRUCTION	
Job No 234180	Drawing No 404-WT-02031	Rev 03



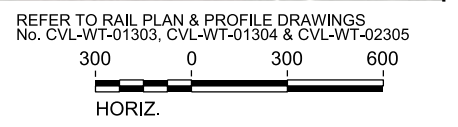
MATCHLINE SEE SHEET 404-WT-02031

MATCHLINE SEE SHEET 404-WT-02033

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
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VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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Client
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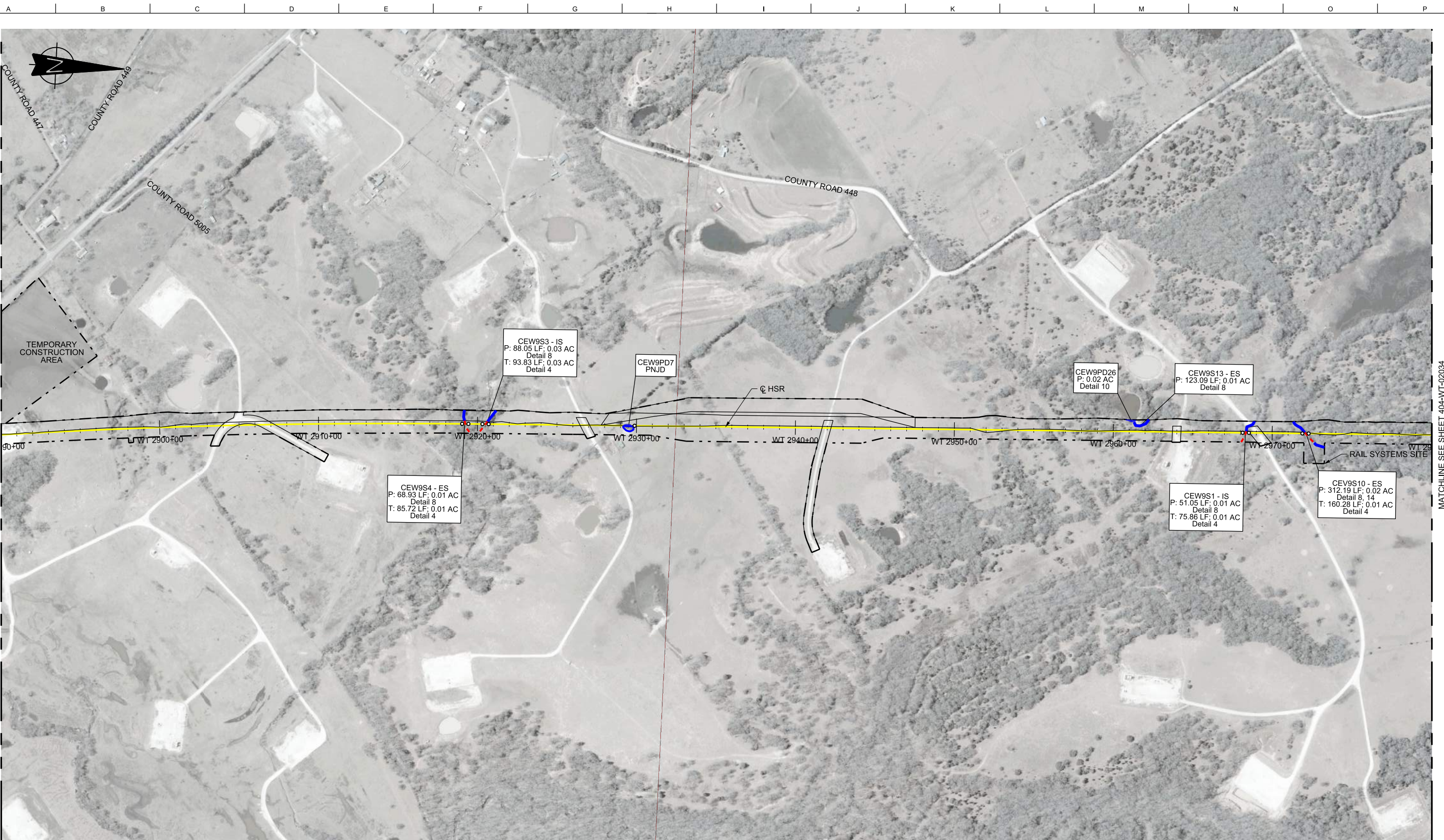
Drawing Title
WEST OF TEAGUE SEGMENT

**PLAN VIEW (FRA SEG. 4)
STA WT 2800+00 TO 2890+00**

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02032	03



MATCHLINE SEE SHEET 404-WT-02032

MATCHLINE SEE SHEET 404-WT-02034

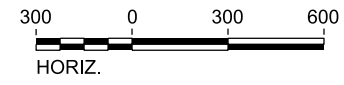
RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
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VIADUCT	STREAMS	CULVERT FLOW	PIER LOCATIONS
	STREAMS	CONVERSION WETLAND	

NOTES:

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PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01305 & CVL-WT-01306



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DRAWN BY
J. HUFNAGEL
CHECKED BY
R. ALDREDGE
IN CHARGE
R. ZARATE
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OCT. 2017

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HIGH-SPEED RAIL
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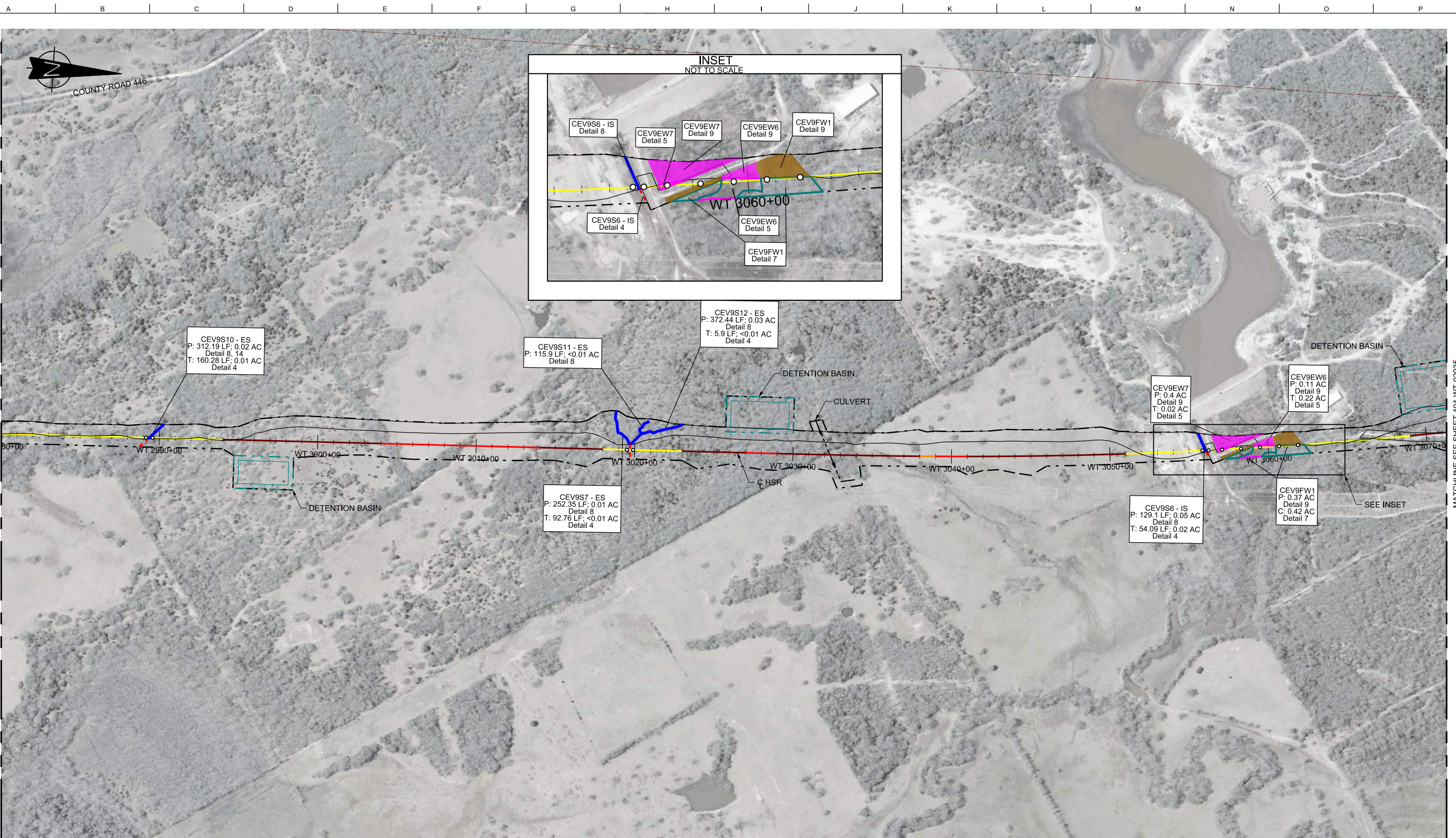
Drawing Title
WEST OF TEAGUE SEGMENT

**PLAN VIEW (FRA SEG. 4)
STA WT 2890+00 TO 2980+00**

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02033	03



MATCHLINE SEE SHEET 404-WT-02033

MATCHLINE SEE SHEET 404-WT-02035

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

- NOTES:**
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
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 - DRAWINGS ARE PRINTED AT HALF-SIZE (11X17).

PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01307 & CVL-WT-01308

HORIZ.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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
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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

**PLAN VIEW (FRA SEG. 4)
STA WT 2980+00 TO 3070+00**

Scale AS SHOWN		
Drawing Status NOT FOR CONSTRUCTION		
Job No 234180	Drawing No 404-WT-02034	Rev 03



MATCHLINE SEE SHEET 404-WT-02034

MATCHLINE SEE SHEET 404-WT-02036

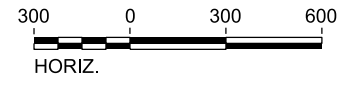
RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

NOTES:

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PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01308, CVL-WT-01309 & CVL-WT-01310



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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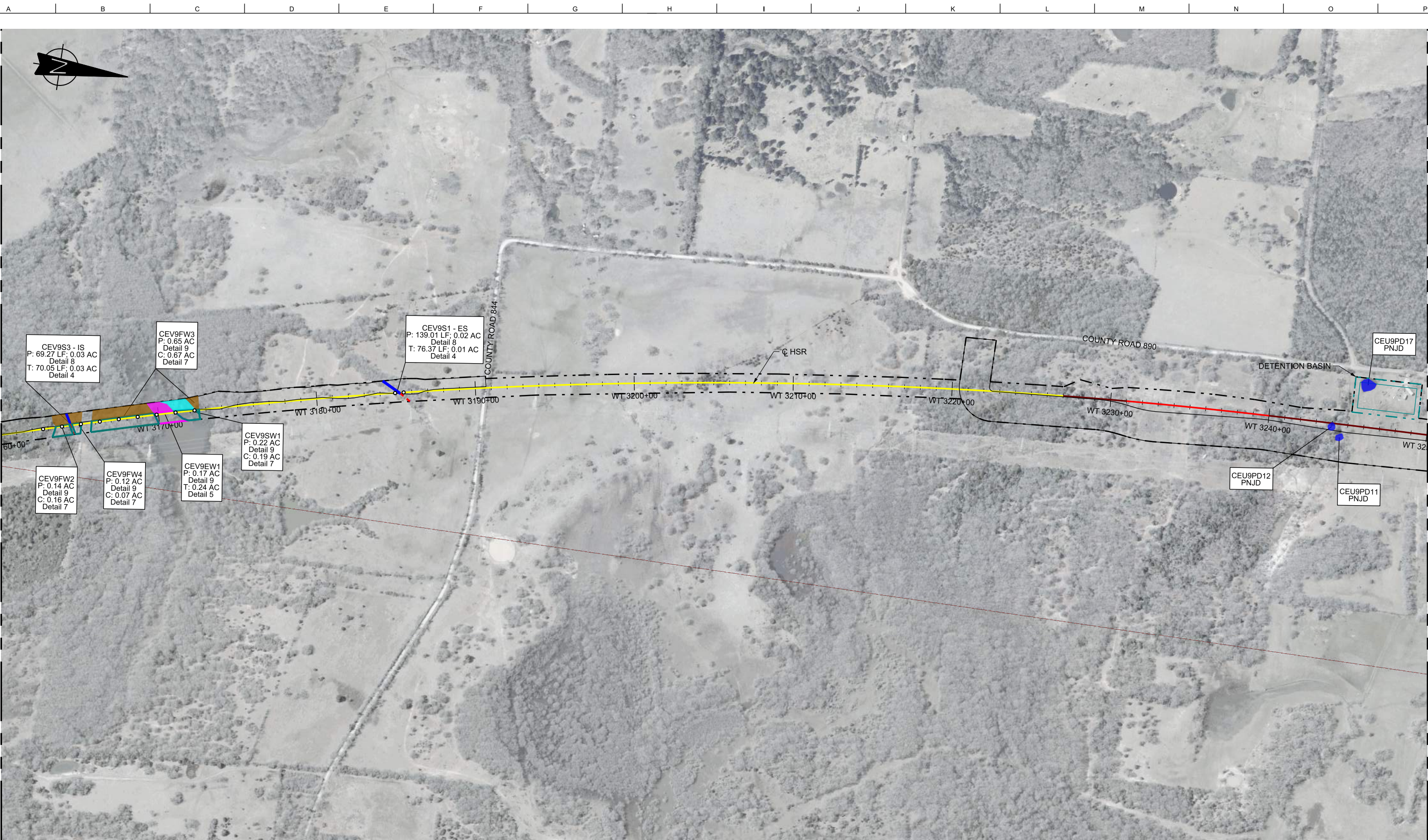


Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT

**PLAN VIEW (FRA SEG. 4)
STA WT 3070+00 TO 3160+00**

Scale AS SHOWN		
Drawing Status NOT FOR CONSTRUCTION		
Job No 234180	Drawing No 404-WT-02035	Rev 03



MATCHLINE SEE SHEET 404-WT-02035

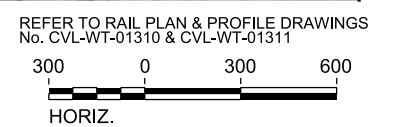
MATCHLINE SEE SHEET 404-WT-02037

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

NOTES:

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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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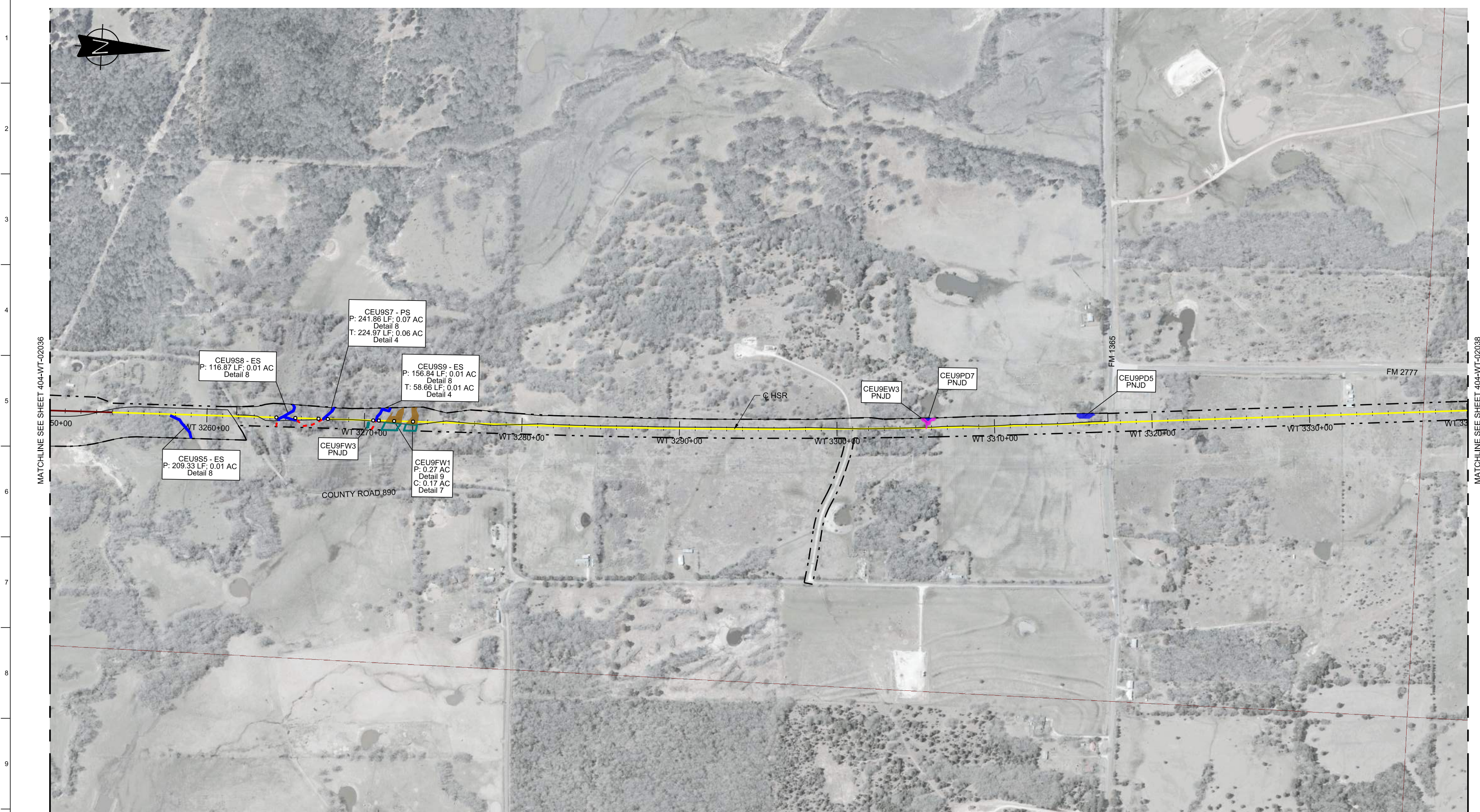


Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT

**PLAN VIEW (FRA SEG. 4)
STA WT 3160+00 TO 3250+00**

Scale AS SHOWN		
Drawing Status NOT FOR CONSTRUCTION		
Job No 234180	Drawing No 404-WT-02036	Rev 03



MATCHLINE SEE SHEET 404-WT-02036

MATCHLINE SEE SHEET 404-WT-02038

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

- NOTES:
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PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01312 & CVL-WT-01313

300 0 300 600
HORIZ.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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



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

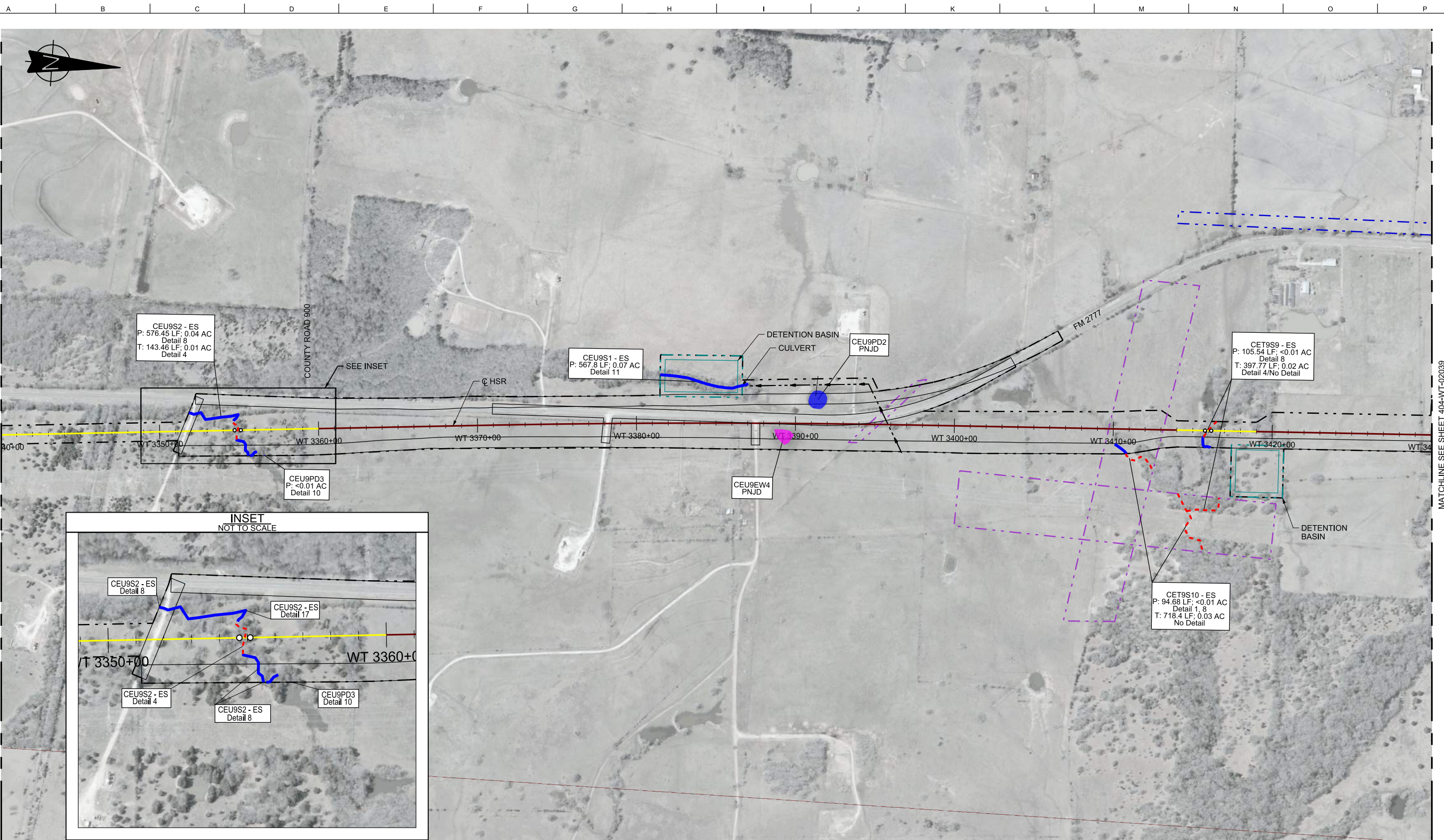
Drawing Title
WEST OF TEAGUE SEGMENT

**PLAN VIEW (FRA SEG. 4)
STA WT 3250+00 TO 3340+00**

Scale
AS SHOWN

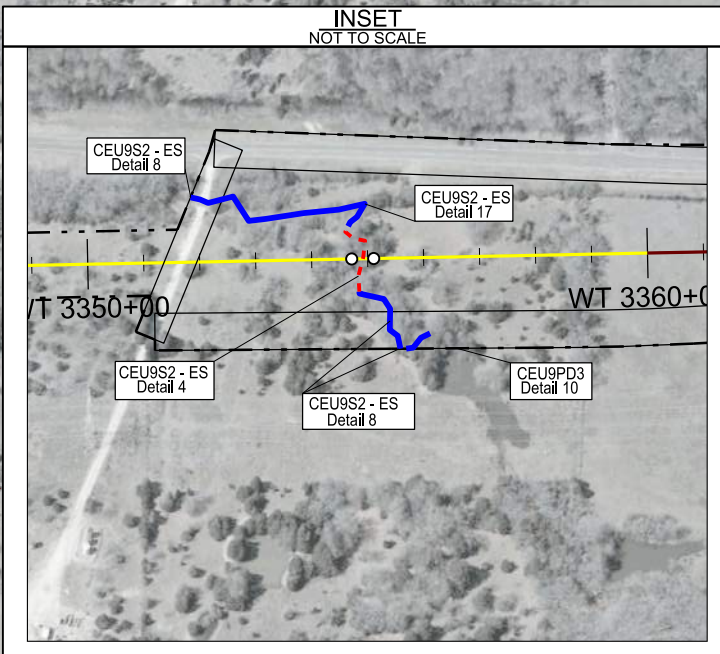
Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02037	03



MATCHLINE SEE SHEET 404-WT-02037

MATCHLINE SEE SHEET 404-WT-02039



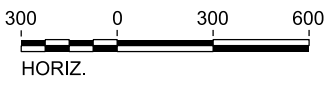
RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

NOTES:

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PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01255, CVL-WT-01256 & CVL-WT-02157



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483

ARUP

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FRESE & NICHOLS

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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

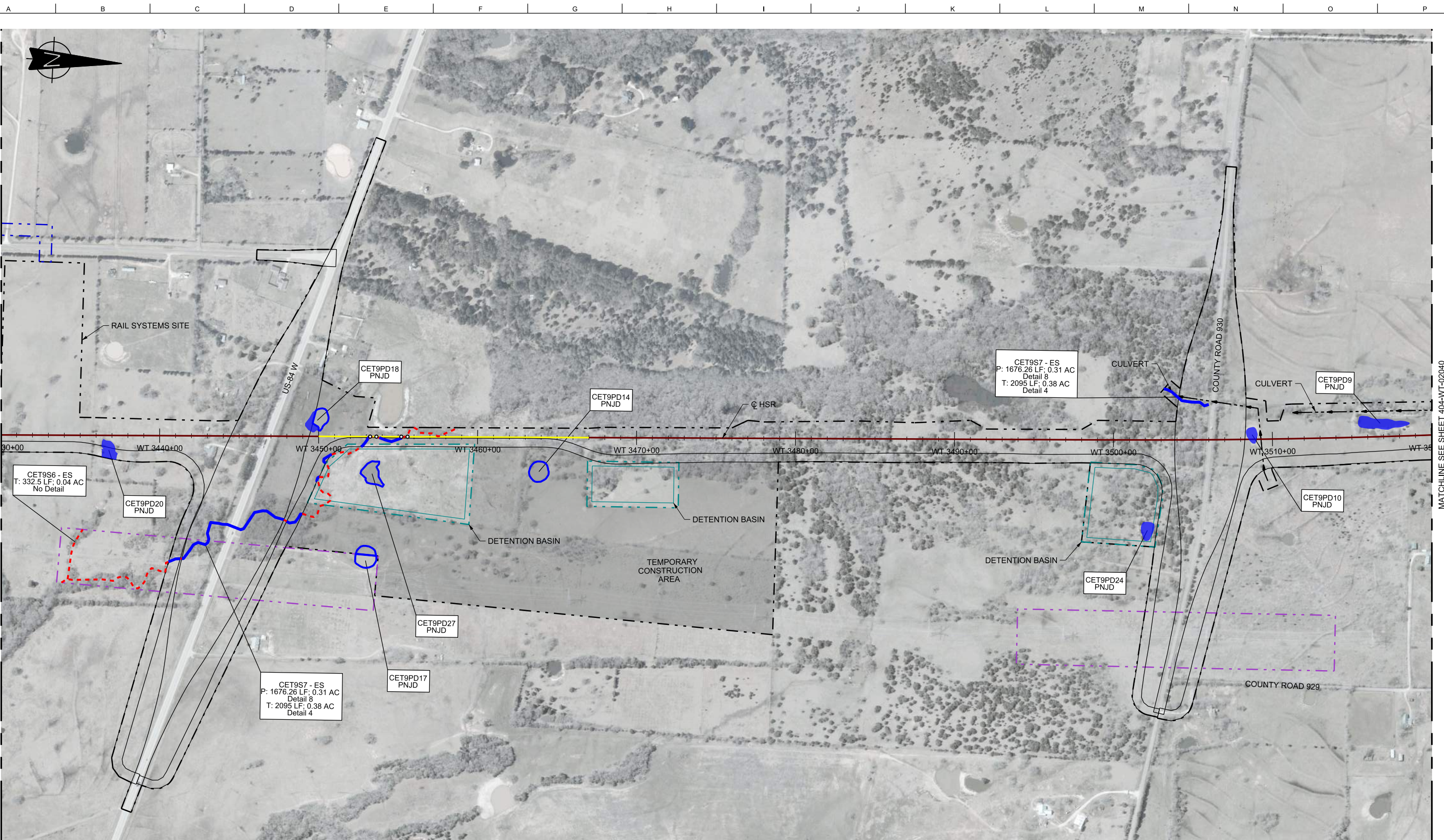
WEST OF TEAGUE SEGMENT

PLAN VIEW (FRA SEG. 4)
STA WT 3340+00 TO 3430+00

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02038	03



MATCHLINE SEE SHEET 404-WT-02038

MATCHLINE SEE SHEET 404-WT-02040

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
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REFER TO RAIL PLAN & PROFILE DRAWINGS
No. CVL-WT-01315 & CVL-WT-01316

HORIZ.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483

ARUP
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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
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Texas Registered Engineering Firm: F-2144

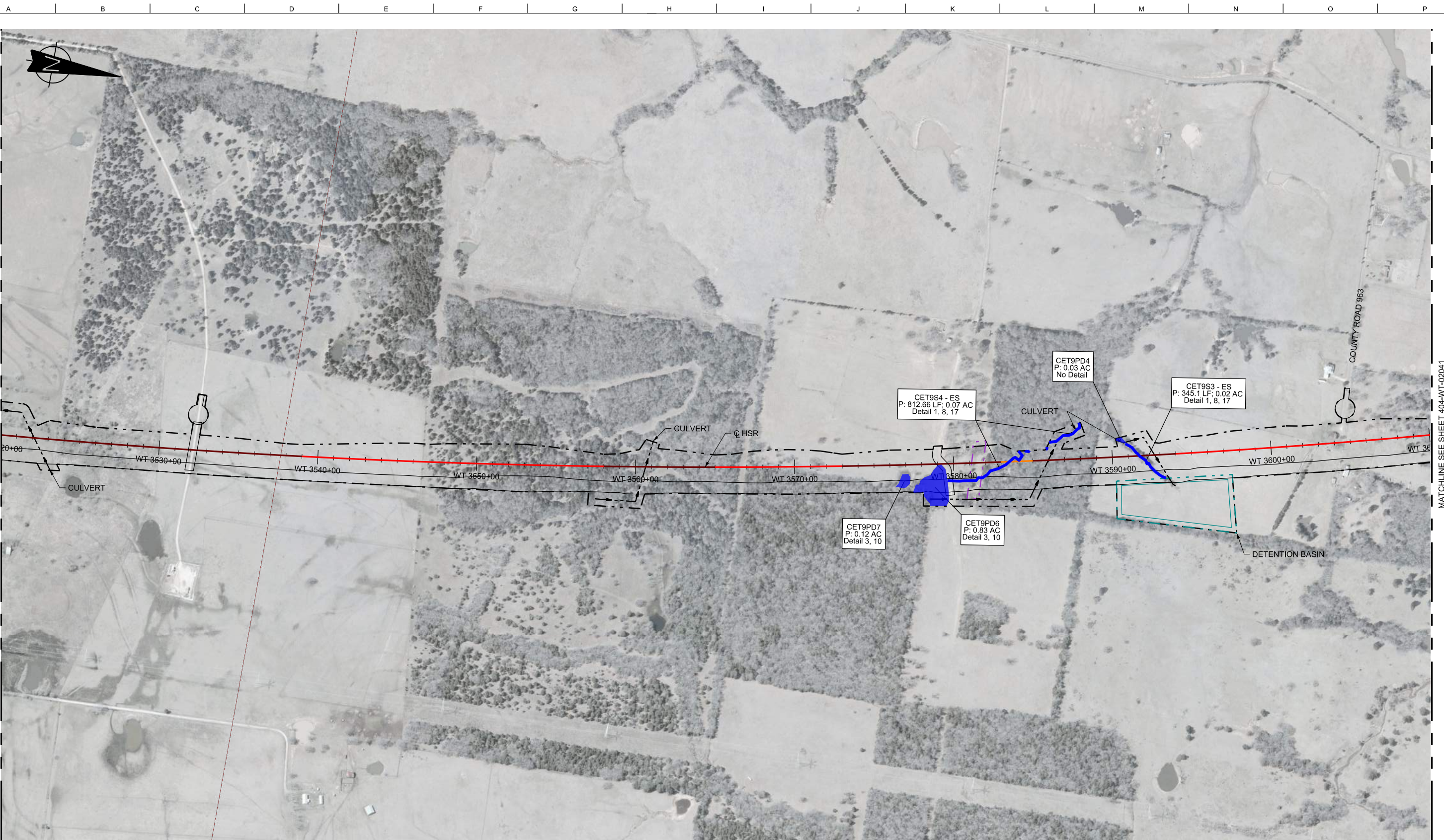
Client
TEXAS CENTRAL
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 3430+00 TO 3520+00

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02039	03



MATCHLINE SEE SHEET 404-WT-02039

MATCHLINE SEE SHEET 404-WT-02041

COUNTY ROAD 963

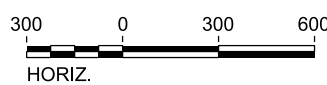
PLAN

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

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REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01316 & CVL-WT-01317



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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Texas Registered Engineering Firm: F-2144



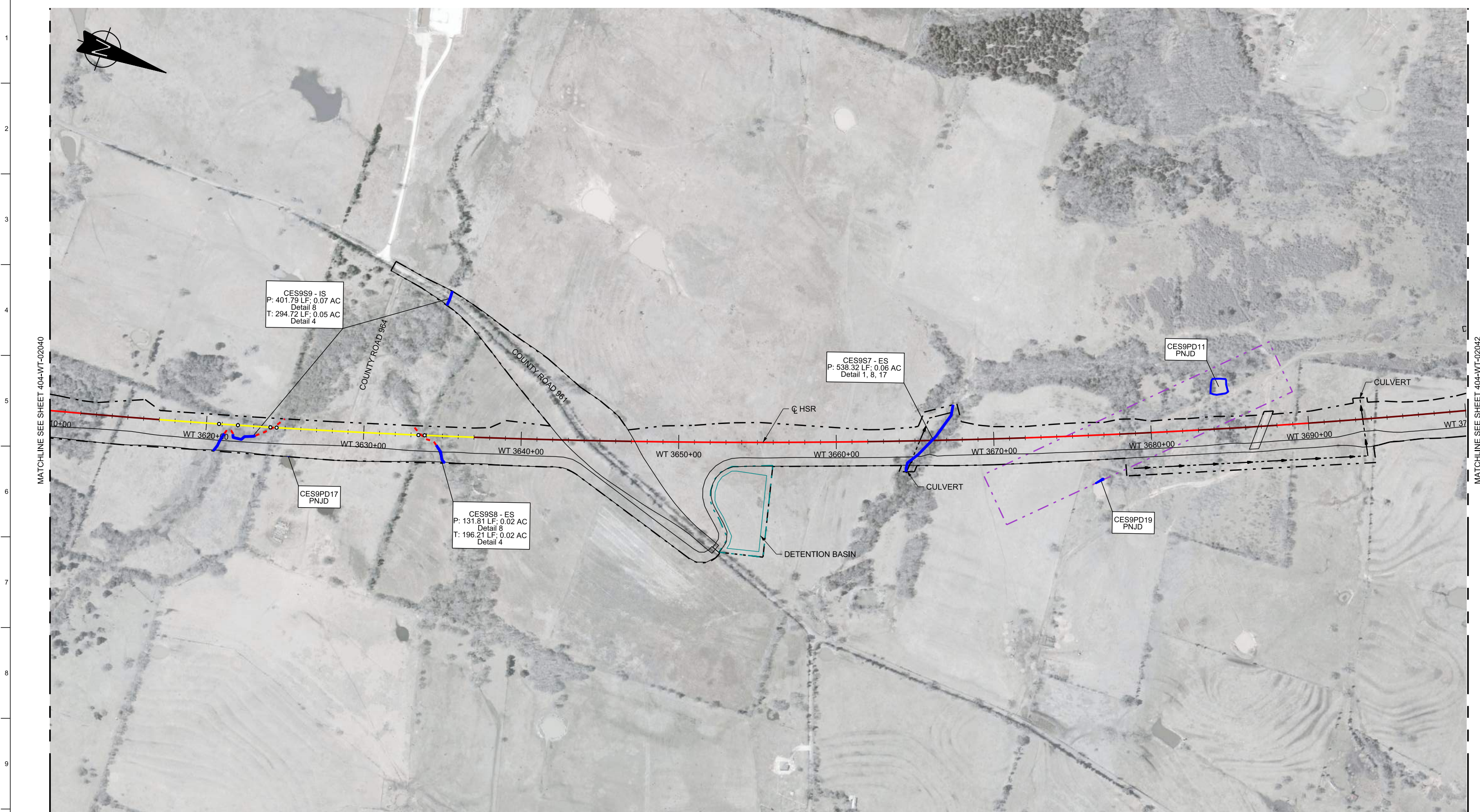
Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT

**PLAN VIEW (FRA SEG. 4)
STA WT 3520+00 TO 3610+00**

Scale
AS SHOWN

Drawing Status NOT FOR CONSTRUCTION		
Job No 234180	Drawing No 404-WT-02040	Rev 03



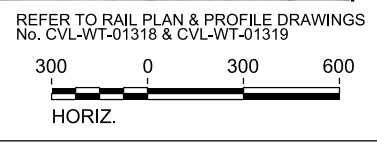
MATCHLINE SEE SHEET 404-WT-02040

MATCHLINE SEE SHEET 404-WT-02042

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

- NOTES:**
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PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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Texas Registered Engineering Firm: F-2144



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

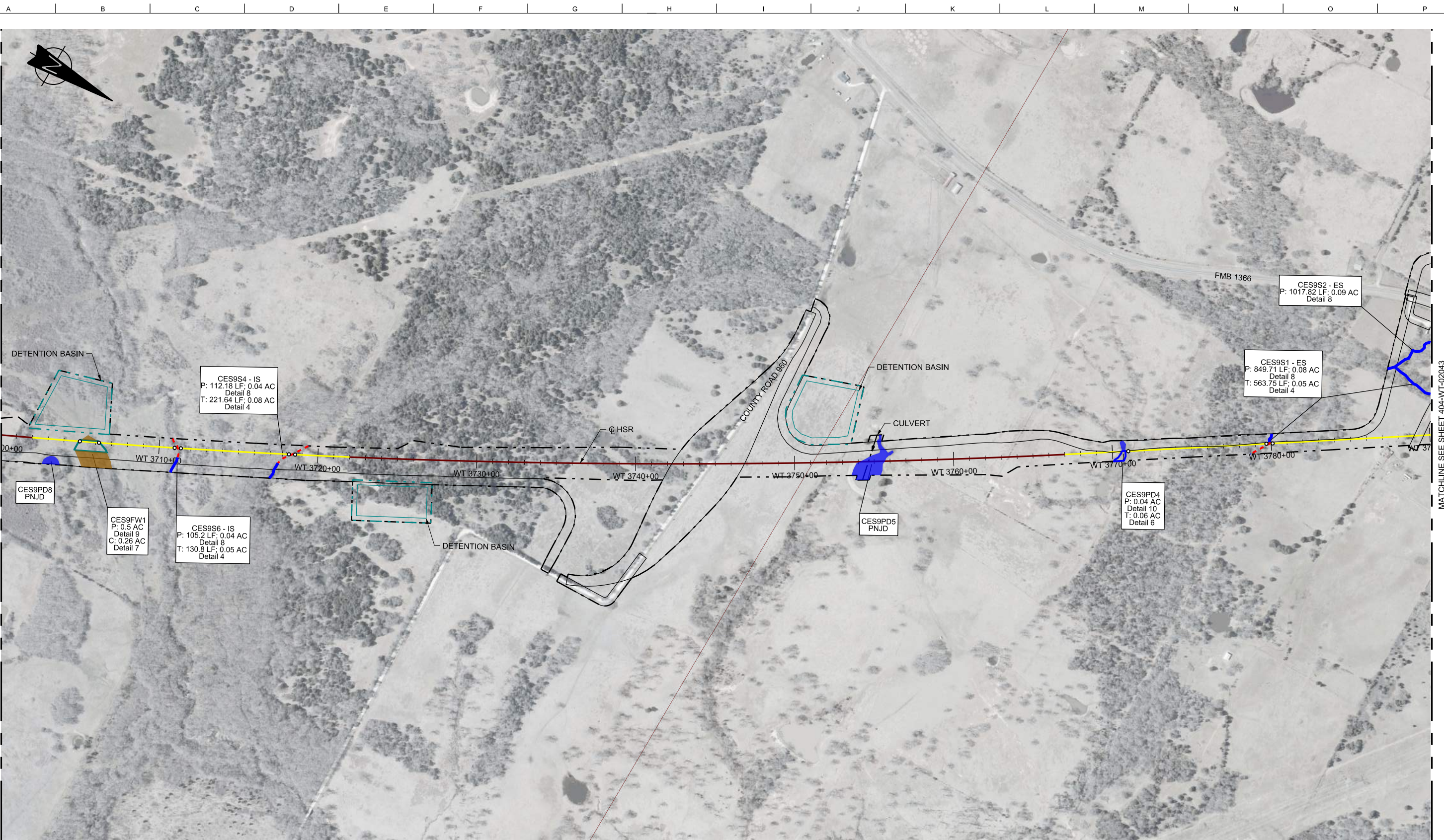
Drawing Title
WEST OF TEAGUE SEGMENT

**PLAN VIEW (FRA SEG. 4)
STA WT 3610+00 TO 3700+00**

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02041	03

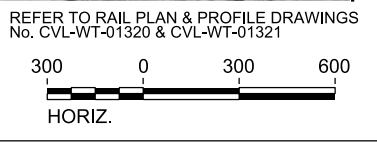


MATCHLINE SEE SHEET 404-WT-02041

MATCHLINE SEE SHEET 404-WT-02043

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

- NOTES:**
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REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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Texas Registered Engineering Firm: F-2144



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

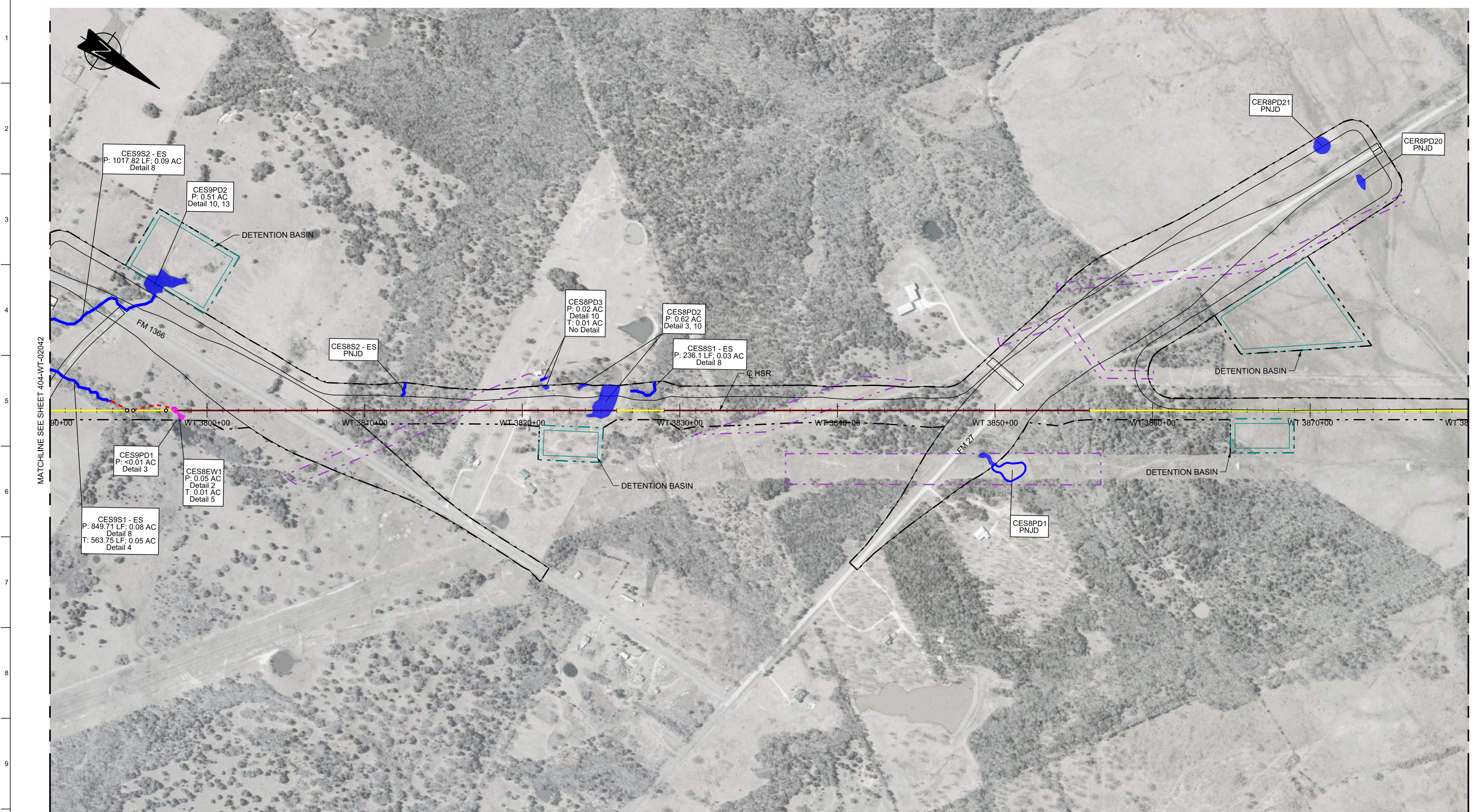
Drawing Title
WEST OF TEAGUE SEGMENT

**PLAN VIEW (FRA SEG. 4)
STA WT 3700+00 TO 3790+00**

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02042	03



MATCHLINE SEE SHEET 404-WT-02042

MATCHLINE SEE SHEET 404Y-WT-02044

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CULVERT FLOW	PIER LOCATIONS
	STREAMS	CONVERSION WETLAND	

- NOTES:**
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
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 - DRAWINGS ARE PRINTED AT HALF-SIZE (11X17).

PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS No. CVL-WT-01321 & CVL-WT-01322

300 0 300 600
HORIZ.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



Arup Texas, Inc.
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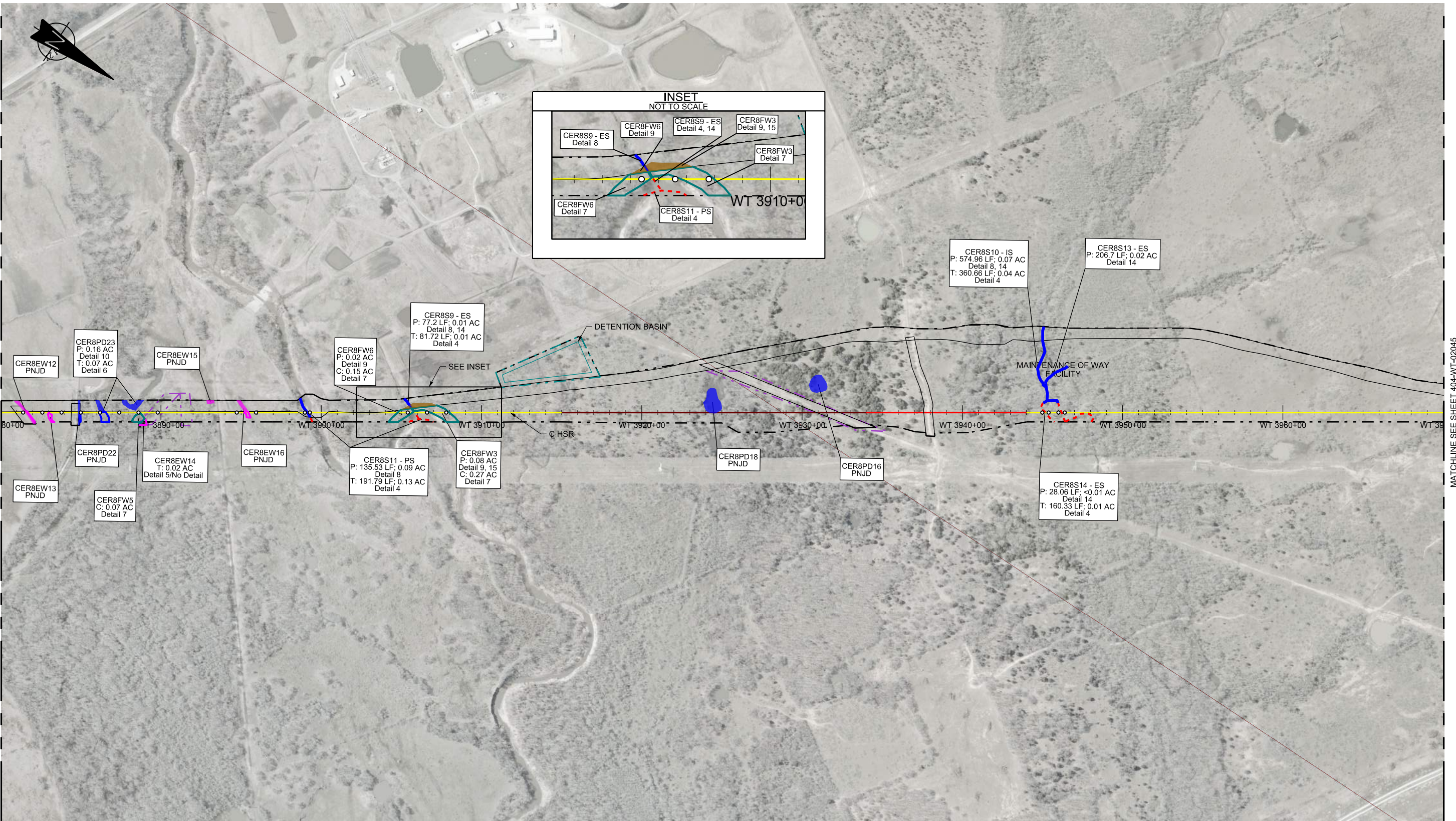


Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT

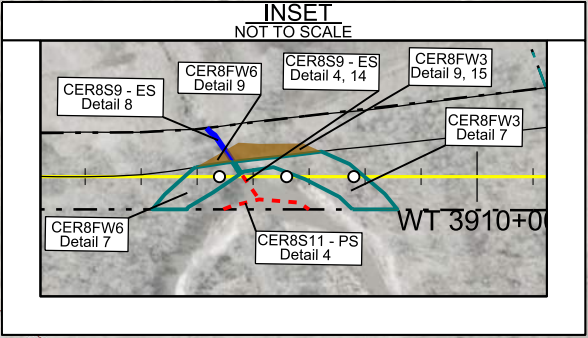
PLAN VIEW (FRA SEG. 4)
STA WT 3790+00 TO 3880+00

Scale AS SHOWN	Drawing Status NOT FOR CONSTRUCTION	
Job No 234180	Drawing No 404-WT-02043	Rev 03



MATCHLINE SEE SHEET 404-WT-02043

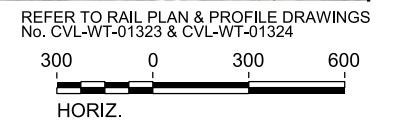
MATCHLINE SEE SHEET 404-WT-02045



RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

- NOTES:**
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
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 - DRAWINGS ARE PRINTED AT HALF-SIZE (11X17).

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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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

Scale
AS SHOWN

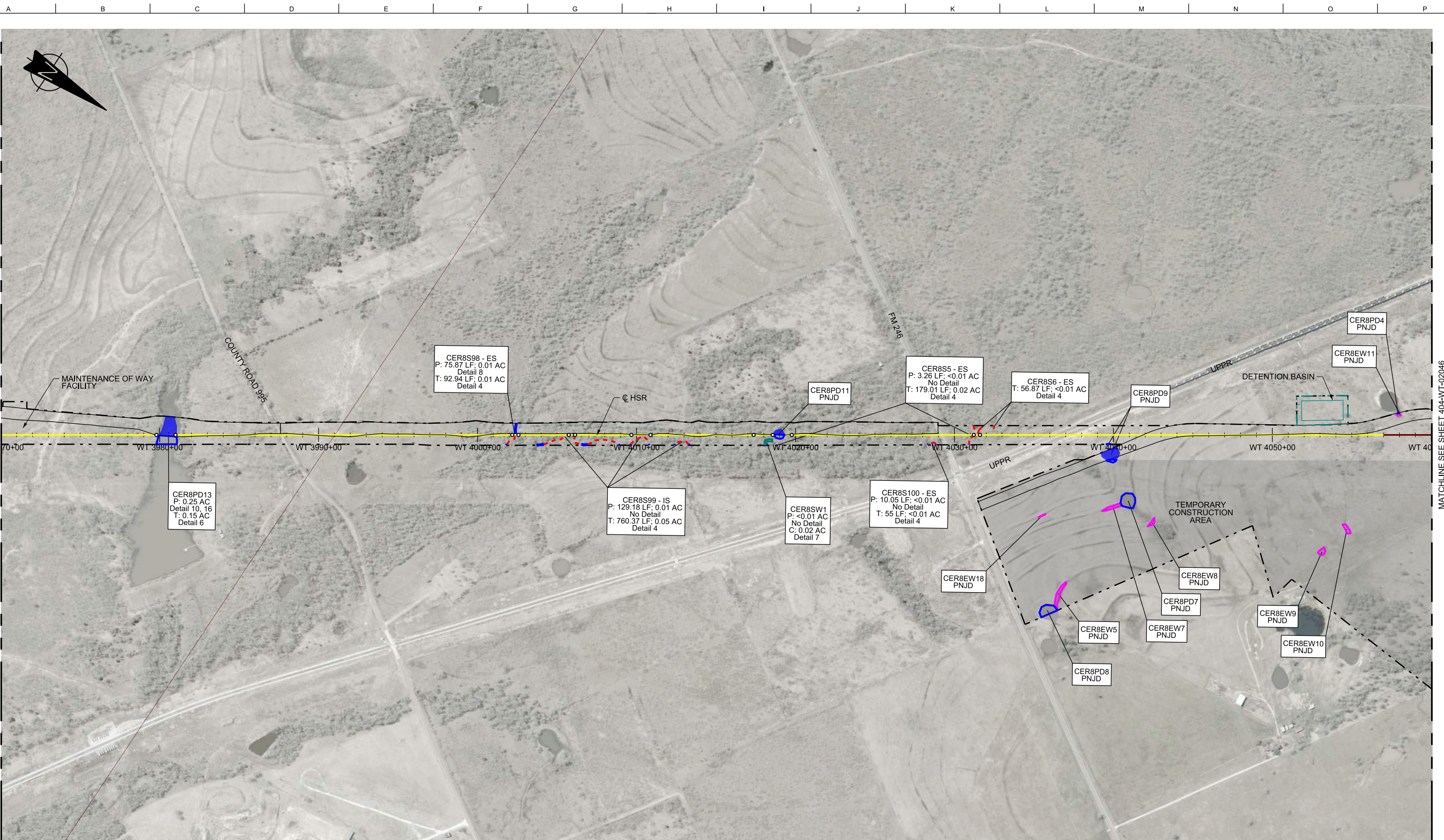
Drawing Status
NOT FOR CONSTRUCTION

Job No
234180

Drawing No
404-WT-02044

Rev
03

PLAN VIEW (FRA SEG. 4)
STA WT 3880+00 TO 3970+00



MATCHLINE SEE SHEET 404-WT-02044

MATCHLINE SEE SHEET 404-WT-02046

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

- NOTES:**
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 - P = PERMANENT IMPACT
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 - UTILITY AND TEMPORARY CONSTRUCTION IMPACTS DO NOT REFERENCE A DETAIL.
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PLAN

REFER TO RAIL PLAN & PROFILE DRAWINGS
No. CVL-WT-01324, CVL-WT-01325 & CVL-WT-01326

300 0 300 600
HORIZ.

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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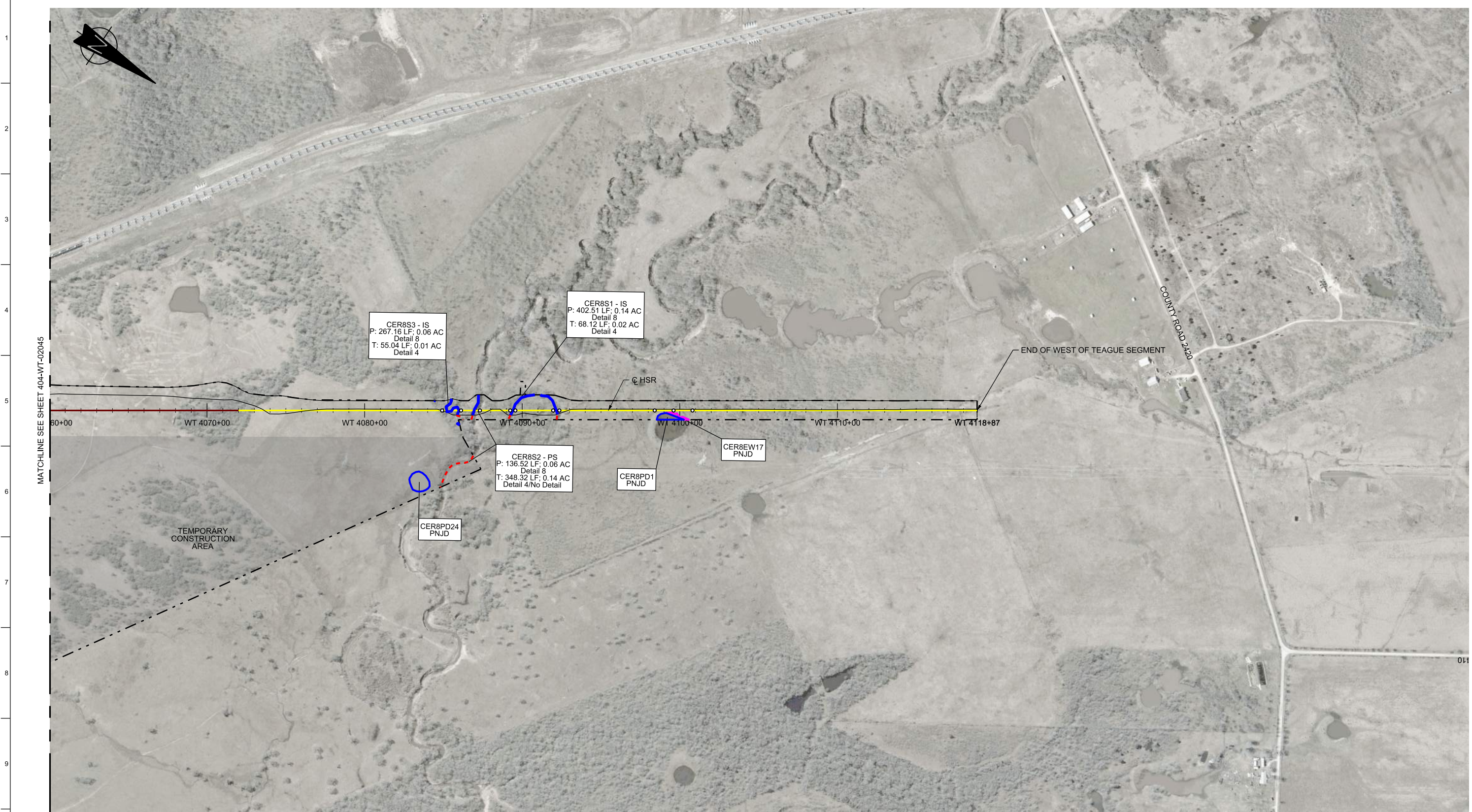


Client
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT

PLAN VIEW (FRA SEG. 4)
STA WT 3970+00 TO 4060+00

Scale AS SHOWN		
Drawing Status NOT FOR CONSTRUCTION		
Job No 234180	Drawing No 404-WT-02045	Rev 03



MATCHLINE SEE SHEET 404-WT-02045

COUNTY ROAD 2420

END OF WEST OF TEAGUE SEGMENT

Q HSR

CER8S3 - IS
P: 267.16 LF; 0.06 AC
Detail 8
T: 55.04 LF; 0.01 AC
Detail 4

CER8S1 - IS
P: 402.51 LF; 0.14 AC
Detail 8
T: 68.12 LF; 0.02 AC
Detail 4

CER8S2 - PS
P: 136.52 LF; 0.06 AC
Detail 8
T: 348.32 LF; 0.14 AC
Detail 4/No Detail

CER8EW17
PNJD

CER8PD1
PNJD

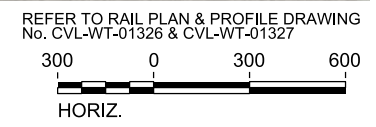
CER8PD24
PNJD

TEMPORARY
CONSTRUCTION
AREA

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS
VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

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 - UTILITY AND TEMPORARY CONSTRUCTION IMPACTS DO NOT REFERENCE A DETAIL.
 - DRAWINGS ARE PRINTED AT HALF-SIZE (11X17).

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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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

PLAN VIEW (FRA SEG. 4)
STA WT 4060+00 TO 4118+87

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
234180	404-WT-02046	03



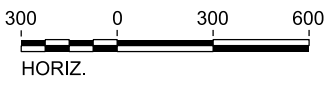
RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS
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VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

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MATCHLINE SEE SHEET 404-WT-02011

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE

DRAWN BY
J. HUFNAGEL

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483

ARUP

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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

PLAN VIEW (FRA SEG. 4)
MATCHLINE 404-WT-02011

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

Job No 234180	Drawing No 404-WT-02047	Rev 03
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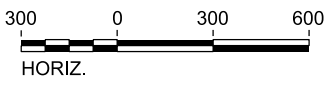


RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS
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VIADUCT	STREAMS	CONVERSION WETLAND	CULVERT FLOW
			PIER LOCATIONS

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- DRAWINGS ARE PRINTED AT HALF-SIZE (11X17).

PLAN



REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY
R. ZARATE
DRAWN BY
J. HUFNAGEL
CHECKED BY
R. ALDREDGE
IN CHARGE
R. ZARATE
DATE
OCT. 2017

DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCRR
SWF-2011-00483



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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

PLAN VIEW (FRA SEG. 4)
MATCHLINE 404-WT-02023

Scale
AS SHOWN

NOT FOR CONSTRUCTION		
Job No	Drawing No	Rev
234180	404-WT-02048	03