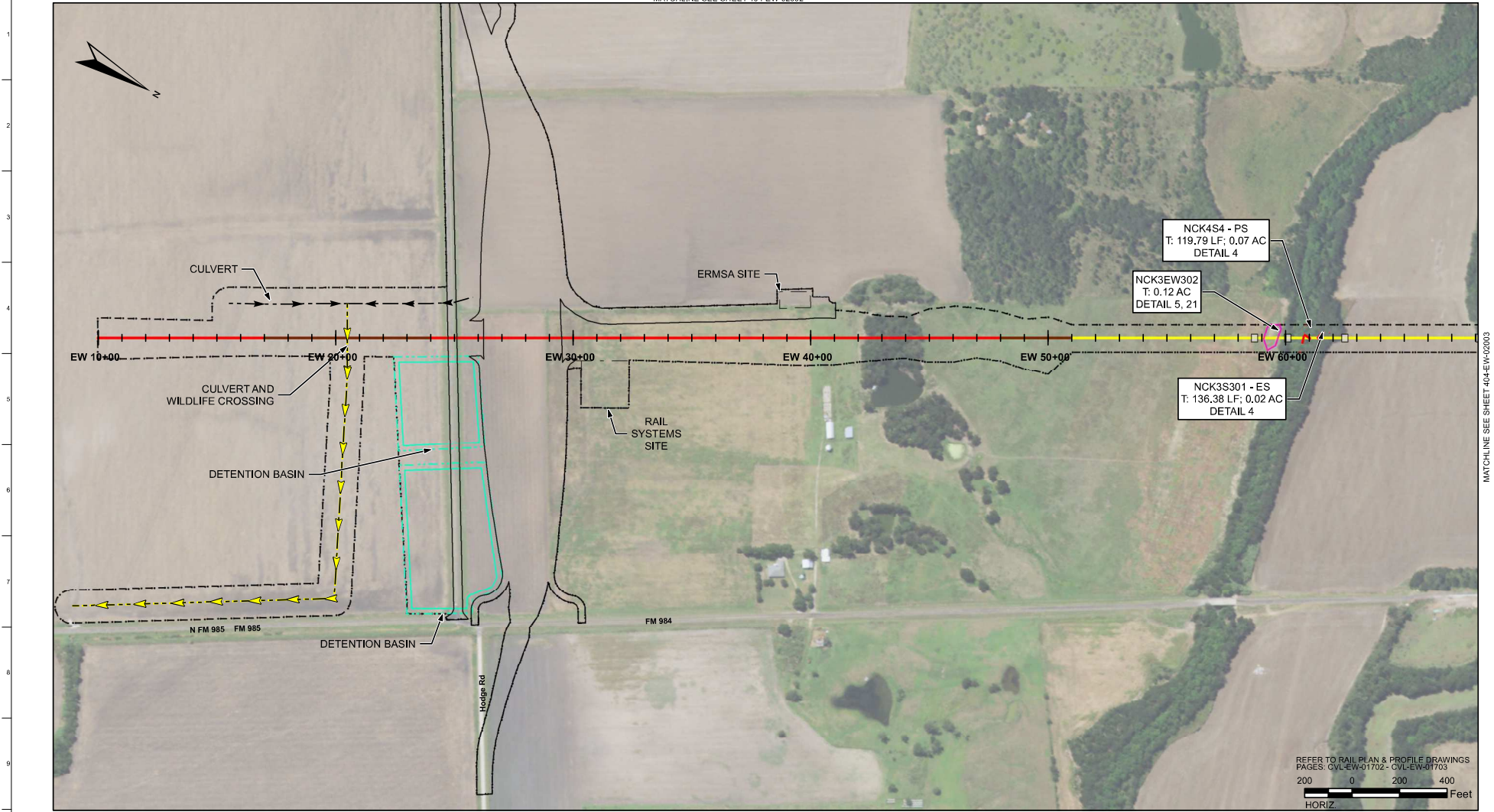




RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - ROB
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

DESIGNED BY H. MYERS
DRAWN BY M. KINZER
CHECKED BY R. ALDREDGE
IN CHARGE R. ZARATE
DATE NOV. 2019

FINAL, REVISION 1
FINAL, REVISION 2

REV	DATE	BY	CHK	APP	DESCRIPTION

PLAN

- NOTES:
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
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DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TORR
SWF-2011-00483

ARUP

Arup Texas, Inc.
10370 Westwood Ave., Suite 475
Houston, Texas 77042 USA
Tel (713) 785 2787 Fax (713) 434 1467
www.arup.com
Texas Registered Engineering Firm: F-1590

FREESE NICHOLS

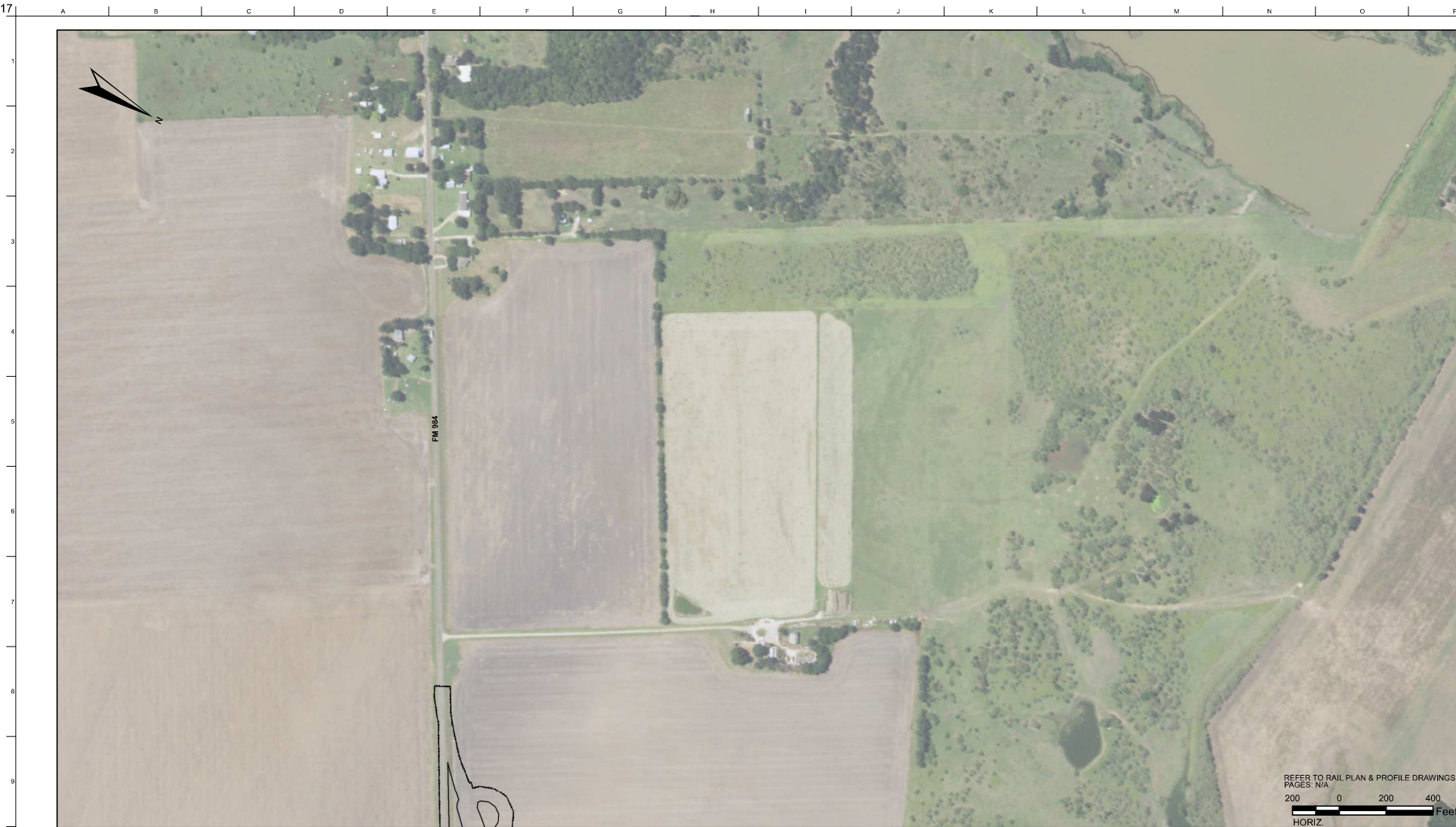
2711 North Haskell Ave., Suite 3300
Dallas, Texas 75204
Tel (214) 217 2200 Fax (214) 217 2201
www.fnco.com
Texas Registered Engineering Firm: F-2144



Drawing Title
ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 10+00 TO EW 68+11

Scale
AS SHOWN
Drawing Status
NOT FOR CONSTRUCTION
JOB No. 234180 Drawing No. 404-EW-02001 Rev. 02

11x17

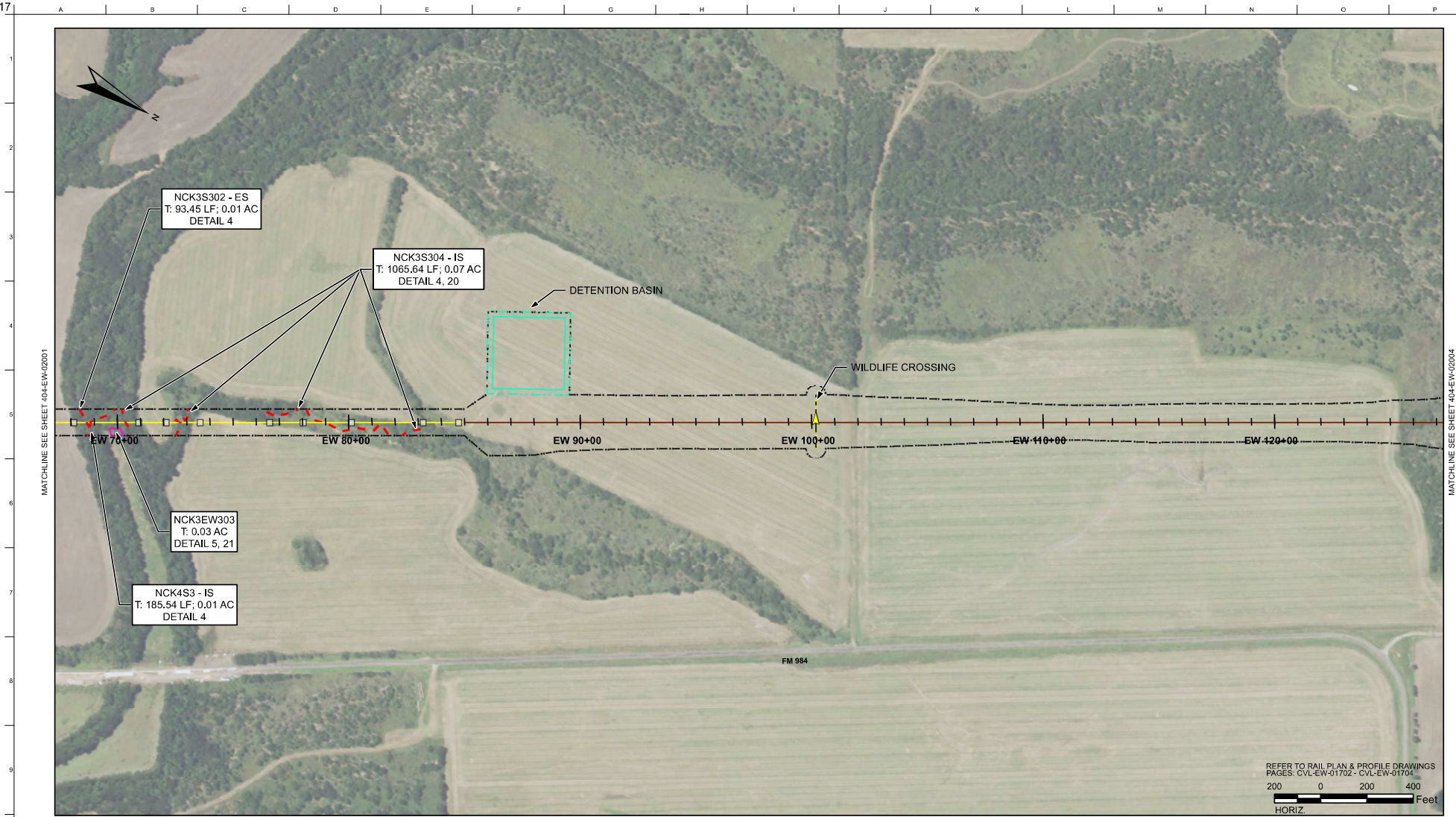


RAIL CONSTRUCTION TYPE		PERMANENT IMPACTS		TEMPORARY IMPACTS		OTHER		OTHER		MATCHLINE SEE SHEET 404-EW-02001																					
— CUT	— EMBANKMENT	— RETAIN FILL	— RETAIN CUT	— VIADUCT	— EMERGENT WETLAND	— FORESTED WETLAND	— POND	— SCRUB/SHRUB WETLAND	— STREAMS	— EMERGENT WETLAND	— POND	— STREAMS	— OTHER IMPACTS	— CONVERSION WETLAND	— LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	— PERMANENT UTILITIES IMPACTS	— TEMPORARY UTILITIES IMPACTS	— ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	— PIER PILE CAP LOCATIONS	— CULVERT FLOW - RCB	— CULVERT FLOW - OPEN BOTTOM	PLAN									
NOTES:																															
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										7. PS = PERENNIAL STREAM																					
										* ONLY APPLIES IN USACE FORT WORTH DISTRICT.																					
										</																					

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Arup Texas Inc.

PLOT TIME: 10/2/2019 4:03:22 PM
PLOT BY: 0027



RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - ROB
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

FINAL, REVISION 1	DESIGNED BY H. MYERS
FINAL, REVISION 2	DRAWN BY M. KINZER
	CHECKED BY R. ALDREDGE
	IN CHARGE R. ZARATE
	DATE NOV. 2019

REV	DATE	BY	CHK	APP	DESCRIPTION

PLAN

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

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www.frese-nichols.com
Texas Registered Engineering Firm: F-2144



Drawing Title

ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 67+30 TO EW 127+30

Scale
AS SHOWN

NOT FOR CONSTRUCTION

JOB No.	Drawing No.	Rev.
234180	404-EW-02003	02



PLAN

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

**FREESE
AND
NICHOLS**
2711 North Haskell Ave., Suite 3300
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www.freese.com
Texas Registered Engineering Firm: F-2144

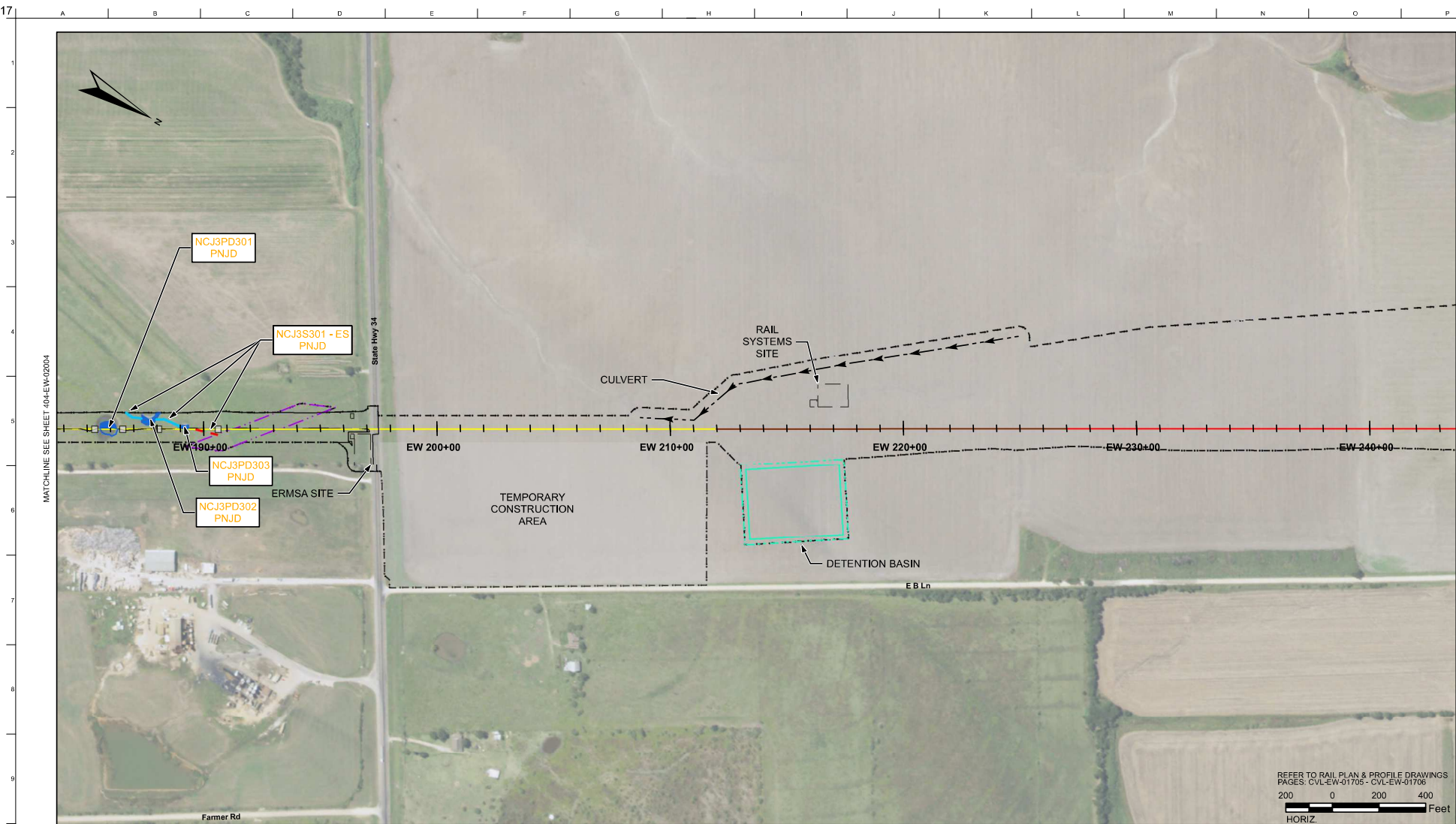
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

 **TEXAS
CENTRAL**

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

Drawing Title ELLIS WEST SEGMENT PLAN VIEW (FRA SEG. 2) STA EW 125+50 TO EW 185+50	Scale: AS SHOWN Drawing Station NOT FOR CONSTRUCTION <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 50%; padding: 5px;"> Job No. 234180 </td> <td style="width: 50%; padding: 5px;"> Drawing No. 404-EW-02004 </td> </tr> </table>	Job No. 234180	Drawing No. 404-EW-02004
Job No. 234180	Drawing No. 404-EW-02004		

11x17



RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - ROB
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

DESIGNED BY	H. MYERS
DRAWN BY	M. KINZER
CHECKED BY	R. ALDREDGE
IN CHARGE	R. ZARATE
DATE	NOV. 2019

FINAL, REVISION 1	
FINAL, REVISION 2	

REV	DATE	BY	CHK	APP	DESCRIPTION

PLAN

- NOTES:
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REFER TO RAIL PLAN & PROFILE DRAWINGS
PAGES: CVL-EW-01705 - CVL-EW-01706

200 0 200 400
Feet
HORIZ

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

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

TEXAS
CENTRAL

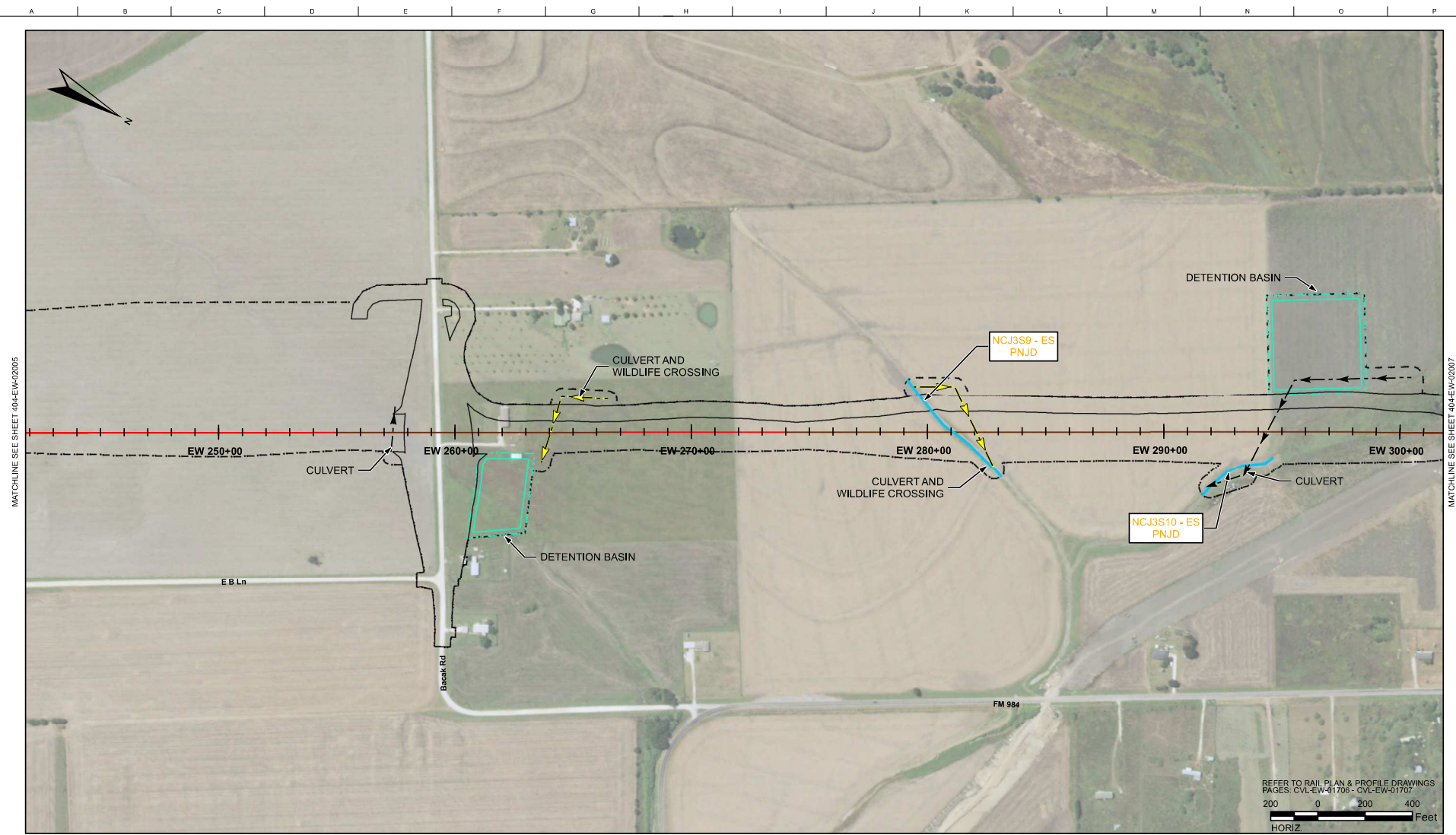
Drawing Title

ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 183+70 TO EW 243+70

Scale

AS SHOWN
Drawing Status
NOT FOR CONSTRUCTION

JOB No. 234180 Drawing No. 404-EW-02005 Rev. 02



RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - ROB
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

PLAN

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

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DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERING

TEXAS CENTRAL
1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

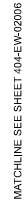
Drawing Title

ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 241+83 TO EW 301+83

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

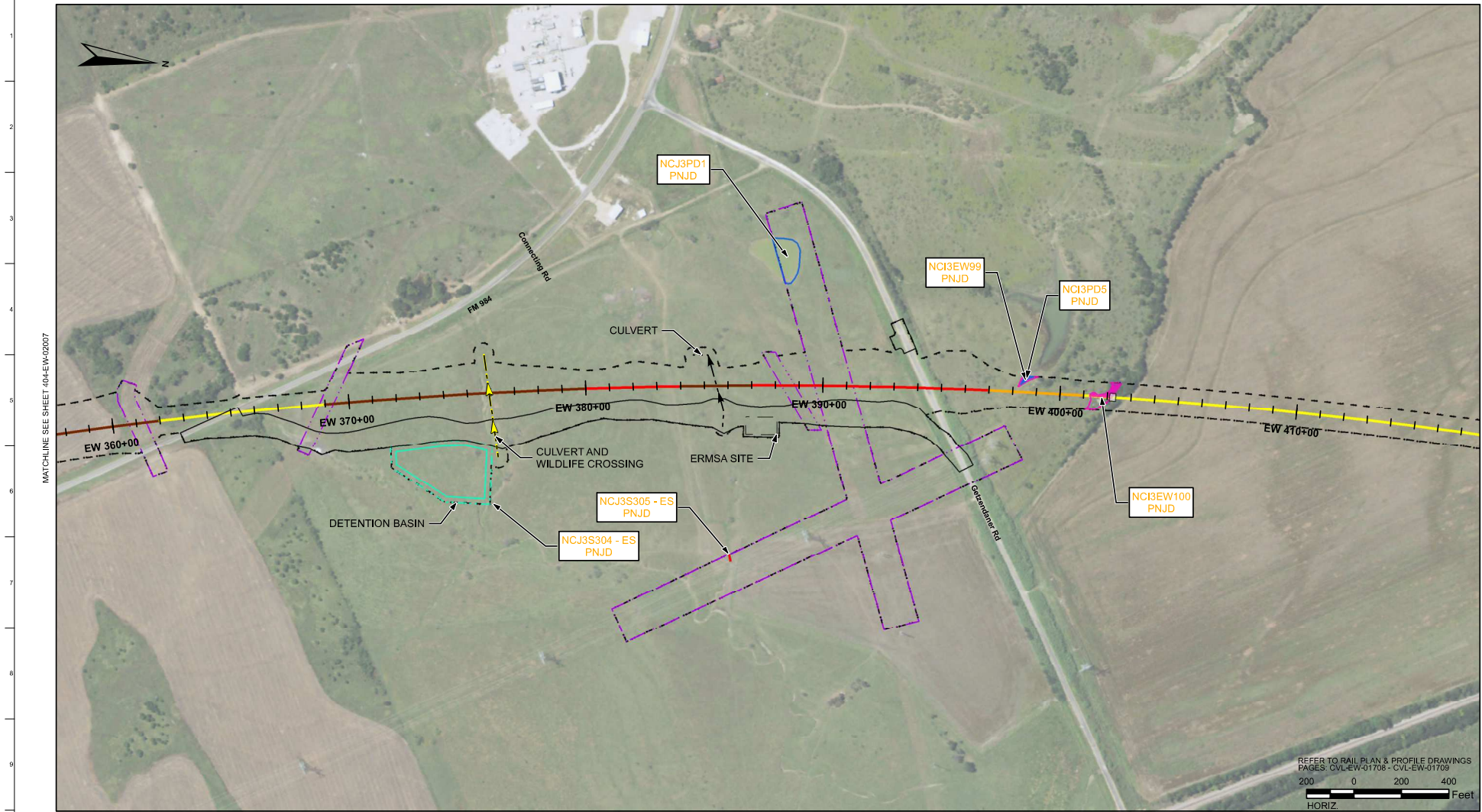
JOB No	Drawing No	Rev
234180	404-EW-02006	02



PLAN

1.	POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES*	4.	C = CONVERSION	8.	TEMPORARY, PERMANENT AND CONVERSION IMPACTS ARE SUMMED UP IN ONE CALLOUT BOX FOR EACH FEATURE.
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		7.	PS = PERENNIAL STREAM	*	ONLY APPLIES IN USAGE FORT WORTH DISTRICT.

ELLIS WEST SEGMENT PLAN VIEW (FRA SEG. 2) STA EW 299+77 TO EW 359+96	AS SHOWN		
	Drawing Status		
	NOT FOR CONSTRUCTION		
	Job No 234180	Drawing No 404-EW-02007	Rev 02



RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - RO
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

FINAL, REVISION 1	DESIGNED BY H. MYERS
FINAL, REVISION 2	DRAWN BY M. KINZER
	CHECKED BY R. ALDREDGE
	IN CHARGE R. ZARATE
	DATE NOV. 2019

REV	DATE	BY	CHK	APP	DESCRIPTION

PLAN

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

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10370 Westwood Ave., Suite 475
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DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERING

TEXAS CENTRAL
1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

Drawing Title

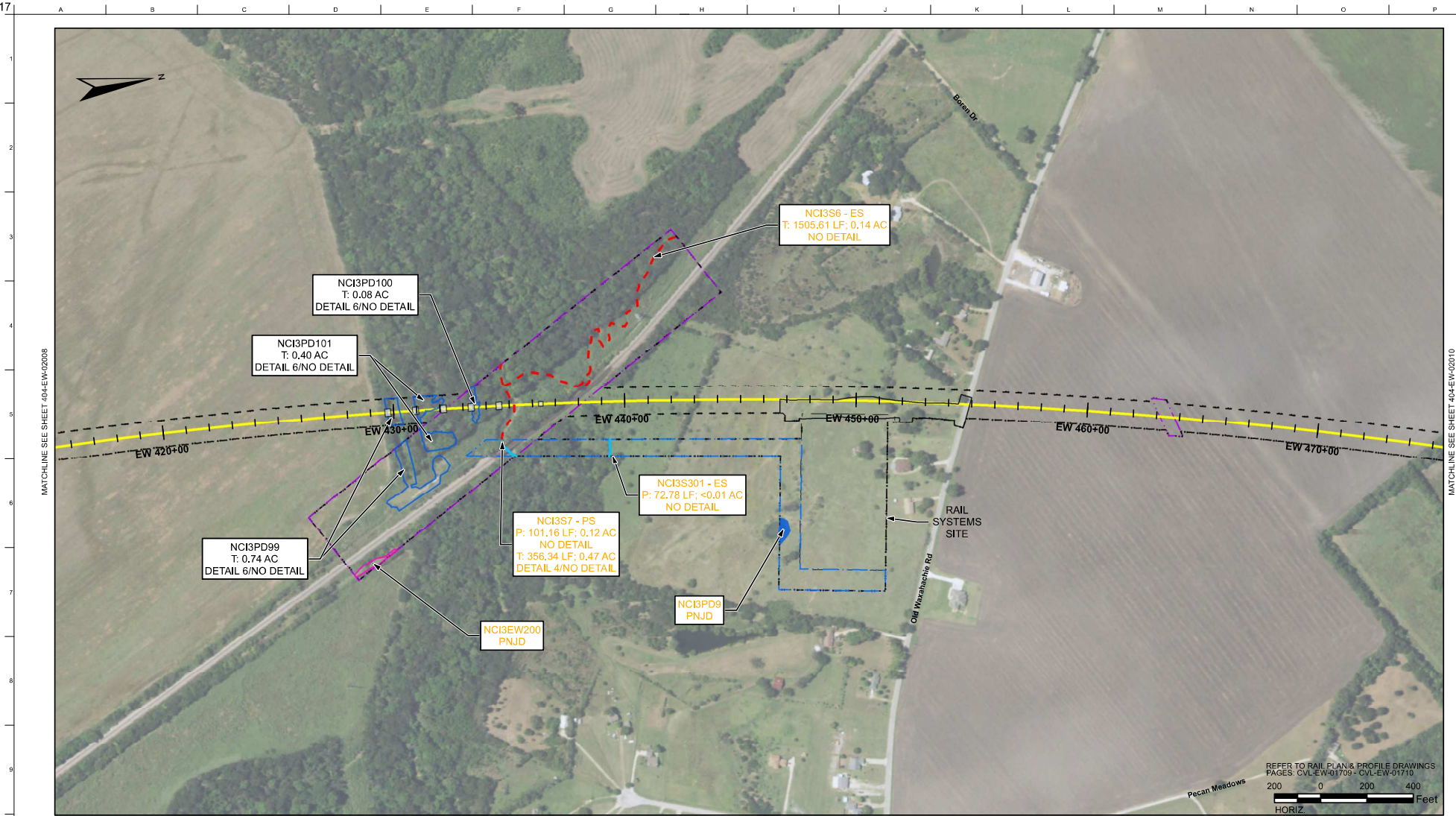
ELLIS WEST SEGMENT

PLAN VIEW (FRA SEG. 2)
STA EW 357+59 TO EW 417+78

Scale:
AS SHOWN

NOT FOR CONSTRUCTION

JOB No.	Drawing No.	Rev.
234180	404-EW-02008	02



RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - RCB
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

FINAL, REVISION 1	DESIGNED BY H. MYERS
FINAL, REVISION 2	DRAWN BY M. KINZER
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	IN CHARGE R. ZARATE
	NOV. 2019

REV	DATE	BY	CHK	APP	DESCRIPTION

PLAN

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

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DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERING

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1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

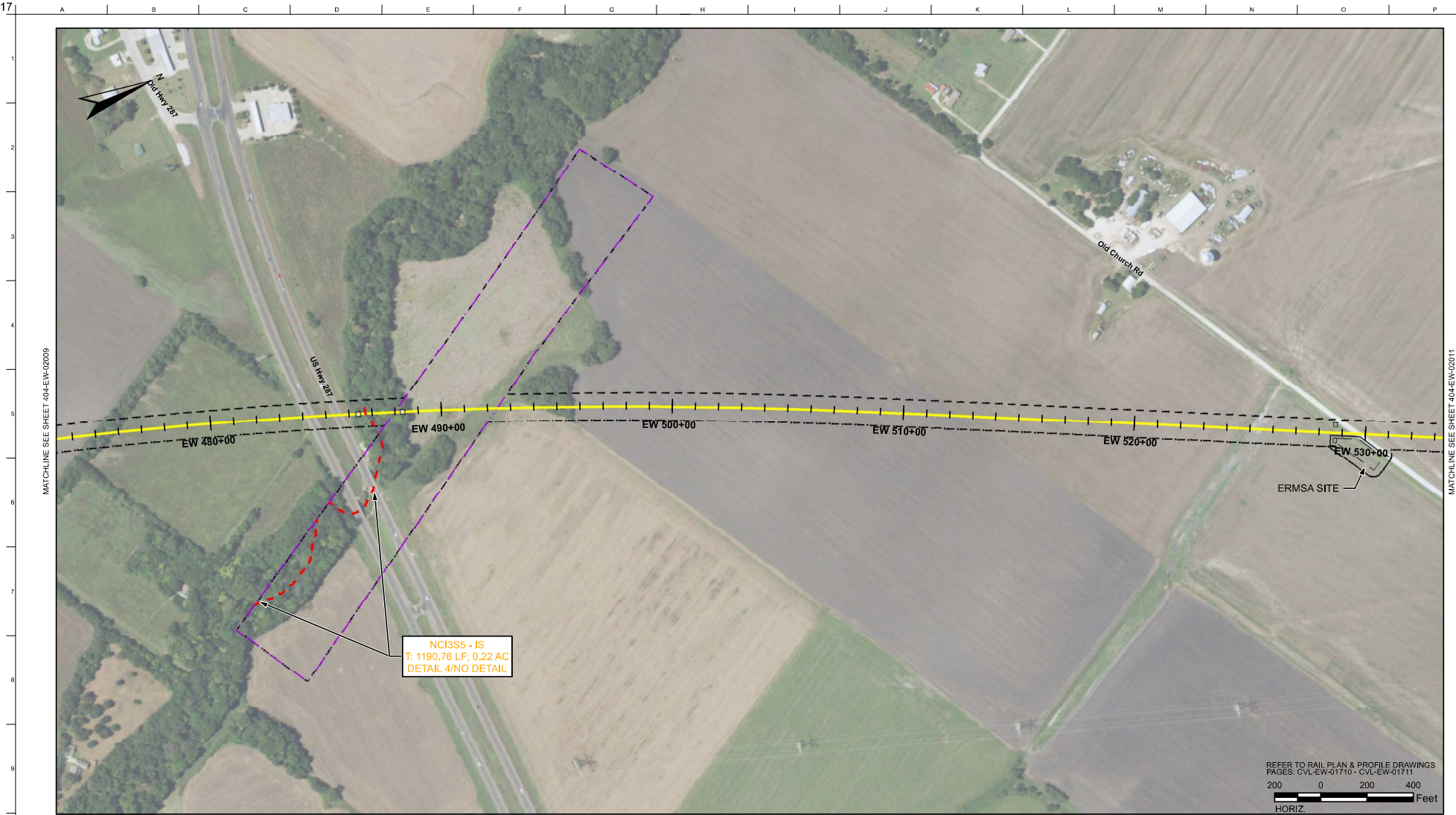
Drawing Title

ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 415+28 TO EW 475+47

Scale
AS SHOWN

NOT FOR CONSTRUCTION

JOB No.	Drawing No.	Rev.
234180	404-EW-02009	02



RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - ROB
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
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DESIGNED BY H. MYERS
DRAWN BY M. KINZER
CHECKED BY R. ALDREDGE
IN CHARGE R. ZARATE
DATE NOV. 2019

FINAL, REVISION 1
FINAL, REVISION 2

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

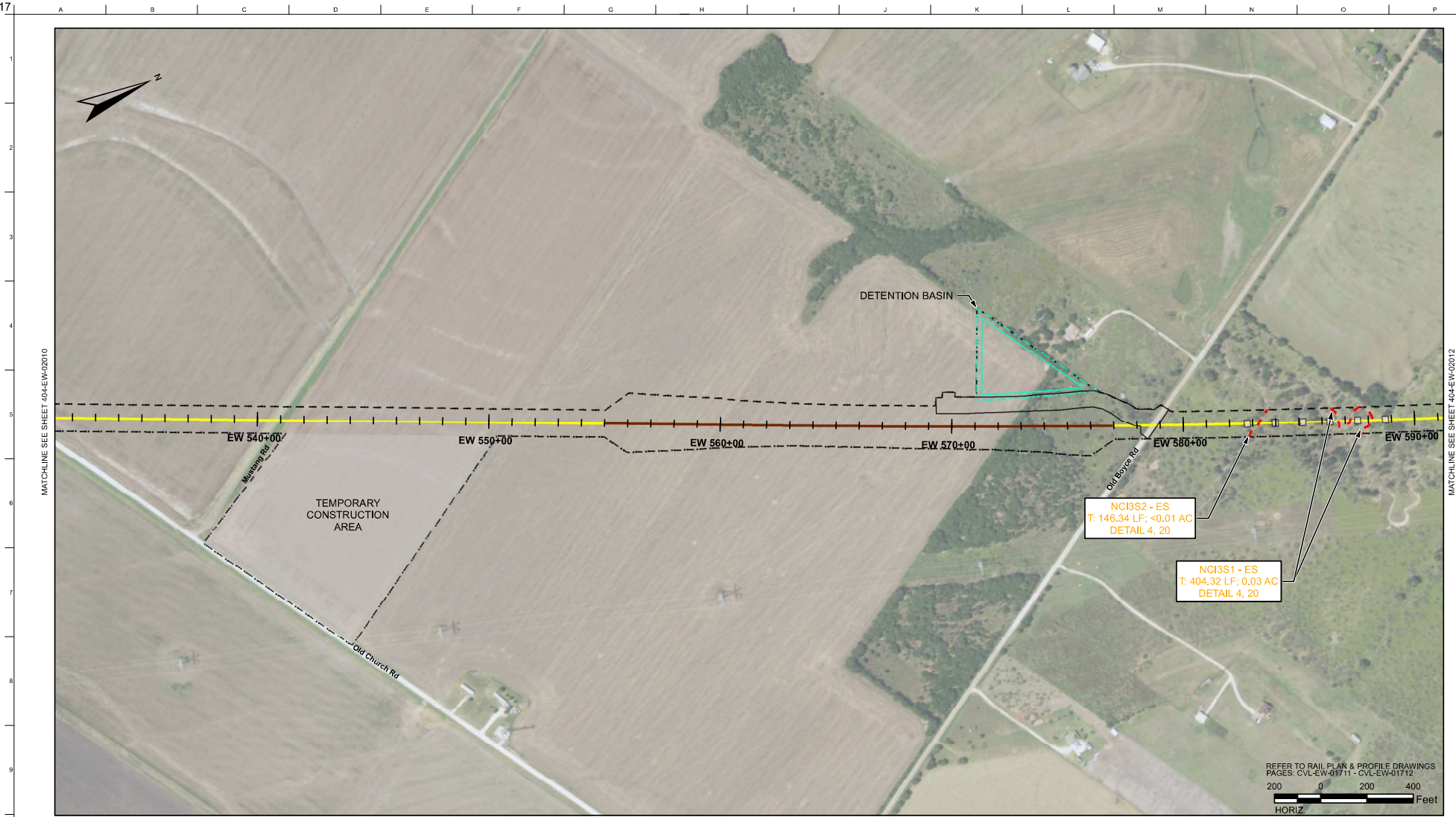
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DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERING
 **TEXAS CENTRAL**
1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

Drawing Title
ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 473+30 TO EW 533+38

Scale
AS SHOWN
Drawing Status
NOT FOR CONSTRUCTION
JDD No. 234180 Drawing No. 404-EW-02010 Rev. 02



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

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

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Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FRAIAL CONCEPTUAL ENGINEERING

1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

Drawing Title

ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 531+24 TO EW 591+25

Scale
AS SHOWN

NOT FOR CONSTRUCTION

JOB No.	Drawing No.	Rev.
234180	404-EW-02011	02



PLAN

NOTES:	1. POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES *	4. C = CONVERSION	8. TEMPORARY, PERMANENT AND CONVERSION IMPACTS ARE SUMMED UP IN ONE CALLOUT BOX FOR EACH FEATURE.
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Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING



**TEXAS
CENTRAL**

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

Drawing Title

ELLIS WEST SEGMENT

PLAN VIEW (FRA SEG. 2)
STA EW 589+02 TO EW 649+04

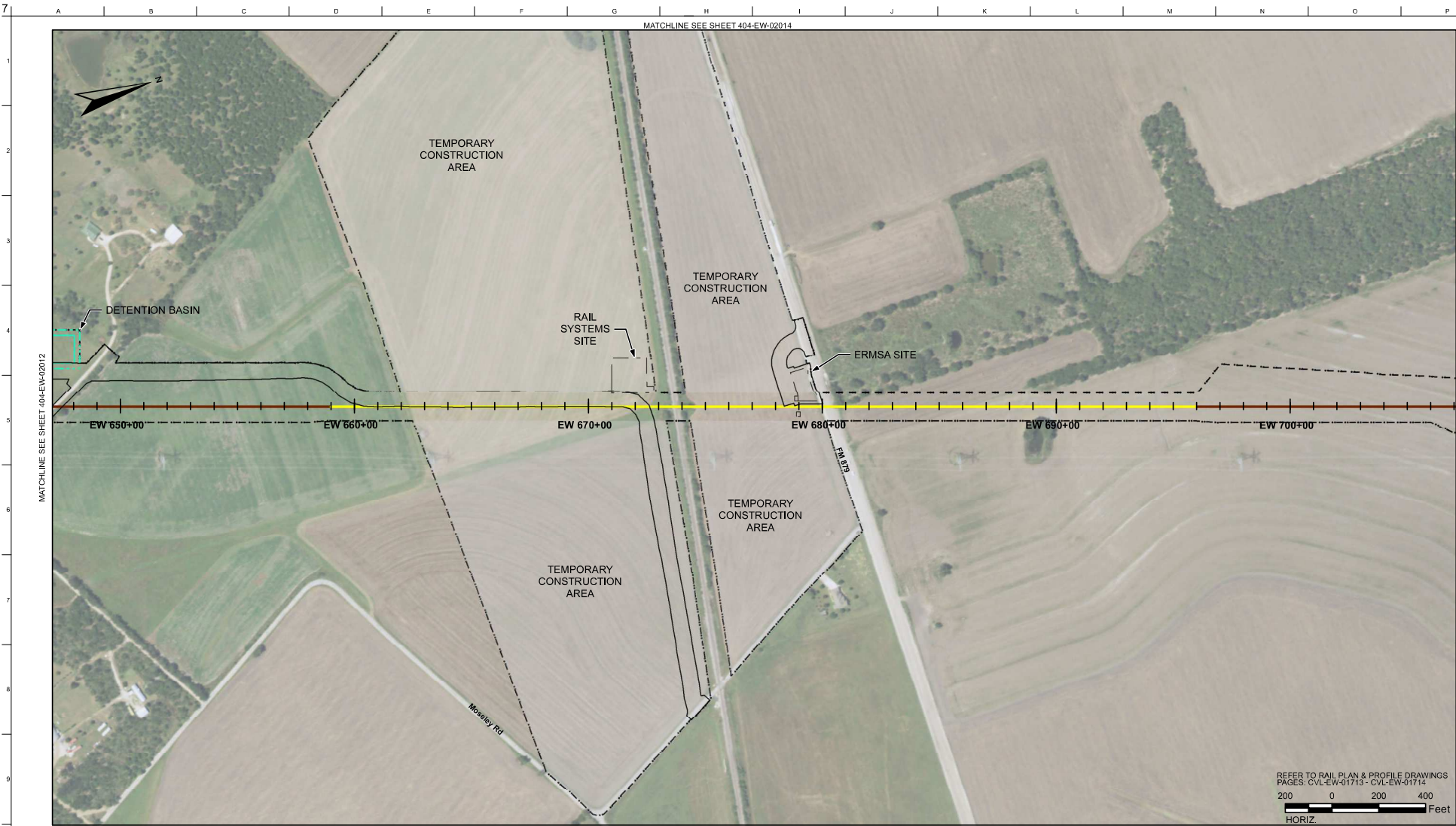
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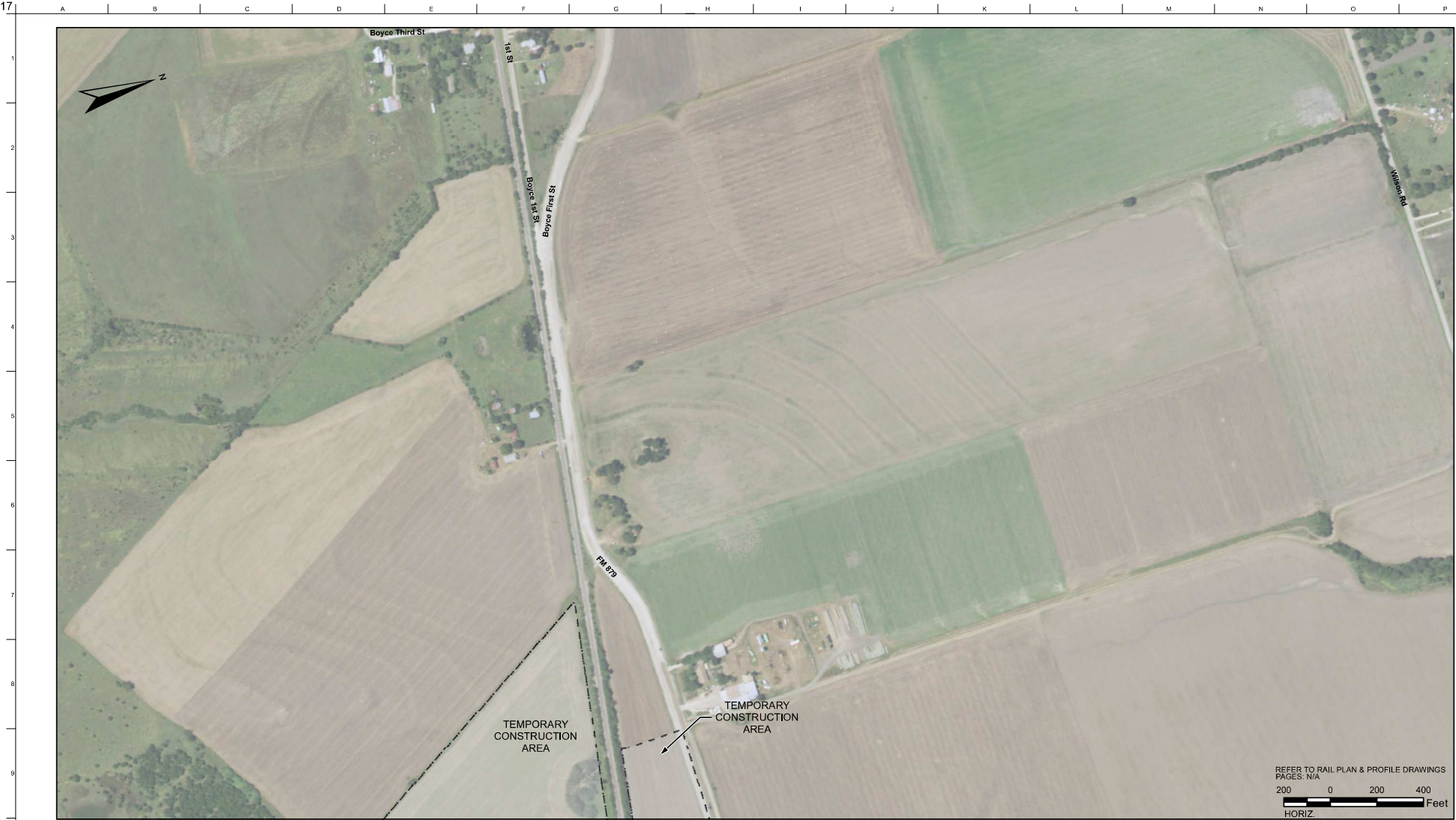
Drawing Status

NOT FOR CONSTRUCTION

Job No	Drawing No	Rev
224180	404_EW_03012	03



11x17



REFER TO RAIL PLAN & PROFILE DRAWINGS
PAGES: N/A

200 0 200 400
Feet

HORIZ

RAIL CONSTRUCTION TYPE
CUT
EMBANKMENT
RETAIN FILL
RETAIN CUT
VIADUCT

PERMANENT IMPACTS
EMERGENT WETLAND
FORESTED WETLAND
POND
SCRUB/SHRUB WETLAND
STREAMS

TEMPORARY IMPACTS
EMERGENT WETLAND
POND
STREAMS
OTHER IMPACTS
CONVERSION WETLAND

OTHER
LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
PERMANENT UTILITIES IMPACTS
TEMPORARY UTILITIES IMPACTS
ROADWAY IMPACTS/EMERG. RESR. (ERMSA)
PIER PILE CAP LOCATIONS

OTHER
CULVERT FLOW - RCB
CULVERT FLOW - OPEN BOTTOM

MATCHLINE SEE SHEET 404-EW-02013

PLAN

- NOTES:
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REV	DATE	BY	CHK	APP	DESCRIPTION

FINAL, REVISION 1	DESIGNED BY H. MYERS
FINAL, REVISION 2	DRAWN BY M. KINZER
	CHECKED BY R. ALDREDGE
	IN CHARGE R. ZARATE
	DATE NOV. 2019

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

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

**TEXAS
CENTRAL**

1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

Drawing Title

ELLIS WEST SEGMENT

PLAN VIEW (FRA SEG. 2)

MATCHLINE 404-EW-02013

Scale
AS SHOWN

Drawing Status

NOT FOR CONSTRUCTION

JDD No Drawing No Rev

234180 404-EW-02014 02

MATCHLINE SEE SHEET 404-EW-02013

MATCHLINE SEE SHEET 404-EW-02016

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - ROB
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

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FINAL, REVISION 2	DRAWN BY M. KINZER
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	IN CHARGE R. ZARATE
	DATE NOV. 2019

REV	DATE	BY	CHK	APP	DESCRIPTION

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PLAN

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

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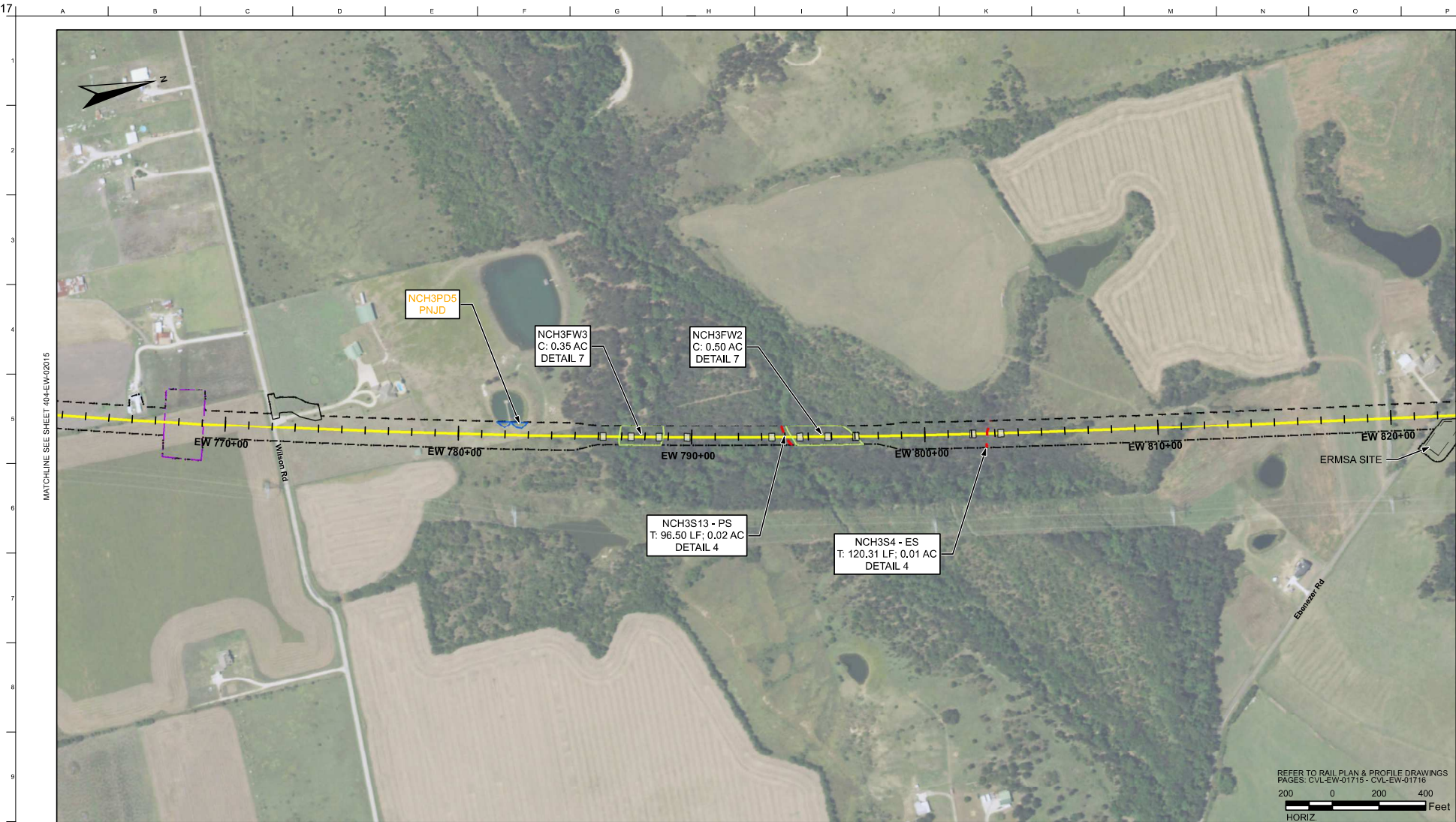
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DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERING
 **TEXAS CENTRAL**
1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

Drawing Title
ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 705+04 TO EW 765+04

Scale
AS SHOWN
Drawing Status
NOT FOR CONSTRUCTION
JOB No. 234180 Drawing No. 404-EW-02015 Rev. 02

Arup Texas Inc.



RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - RO
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

REV	DATE	BY	CHK	APP	DESCRIPTION
					FINAL, REVISION 1
					FINAL, REVISION 2

DRAWN BY H. MYERS	DALLAS TO HOUSTON HIGH-SPEED RAIL APPLICANT: TORR SWF-2011-00483
CHECKED BY R. ALDREDGE	
IN CHARGE R. ZARATE	
DATE NOV. 2019	

PLAN

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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

TEXAS
CENTRAL

Drawing Title

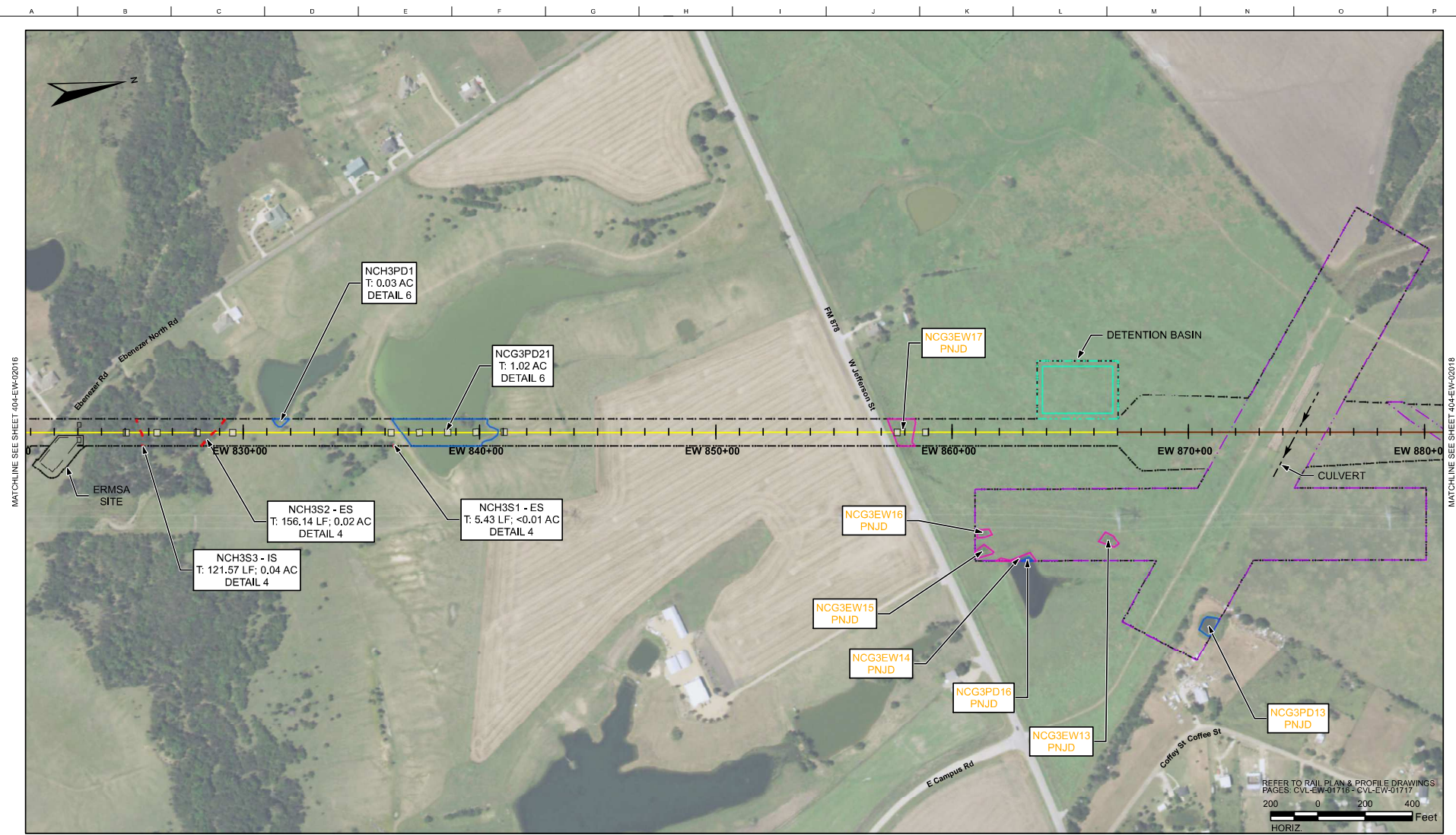
ELLIS WEST SEGMENT

PLAN VIEW (FRA SEG. 2)
STA EW 762+76 TO EW 822+80

Scale
AS SHOWN

NOT FOR CONSTRUCTION

JOB No	Drawing No	Rev
234180	404-EW-02016	02



RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - RO
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

FINAL, REVISION 1	DESIGNED BY H. MYERS
FINAL, REVISION 2	DRAWN BY M. KINZER
	CHECKED BY R. ALDREDGE
	IN CHARGE R. ZARATE
	DATE NOV. 2019

REV	DATE	BY	CHK	APP	DESCRIPTION

PLAN

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

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DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERING

TEXAS
CENTRAL

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

Drawing Title

ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 820+78 TO EW 880+78

Scale:
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

JOB No	Drawing No	Rev
234180	404-EW-02017	02

MATCHLINE SEE SHEET 404-EW-02017

MATCHLINE SEE SHEET 404-EW-02019

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - ROB
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

DESIGNED BY H. MYERS	DALLAS TO HOUSTON HIGH-SPEED RAIL APPLICANT: TCR SWF-2011-00483
DRAWN BY M. KINZER	
CHECKED BY R. ALDREDGE	
IN CHARGE R. ZARATE	
DATE NOV. 2019	

REV	DATE	BY	CHK	APP	DESCRIPTION

PLAN

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TEXAS CENTRAL

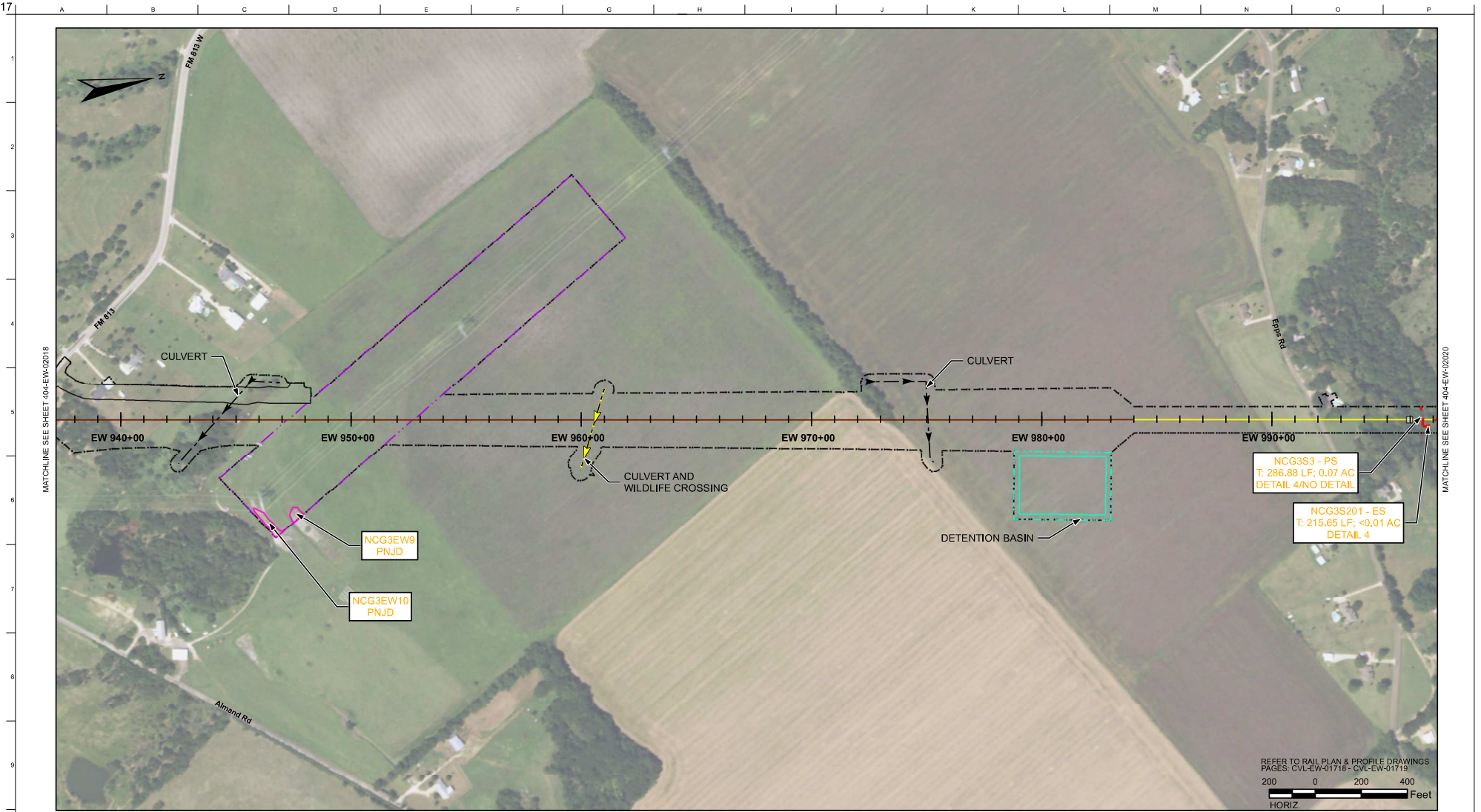
DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERING
1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

Drawing Title

ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 878+98 TO EW 938+98

Scale
AS SHOWNDrawing Status
NOT FOR CONSTRUCTION

JOB No.	Drawing No.	Rev.
234180	404-EW-02018	02



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

DESIGNED BY H. MYERS
DRAWN BY M. KINZER
CHECKED BY R. ALDREDGE
IN CHARGE R. ZARATE
DATE NOV. 2019

FINAL, REVISION 1
FINAL, REVISION 2

REV	DATE	BY	CHK	APP	DESCRIPTION

PLAN

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

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NICHOLS2711 North Haskell Ave., Suite 3300
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www.freese-nichols.com
Texas Registered Engineering Firm: F-2144DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERINGTEXAS
CENTRAL

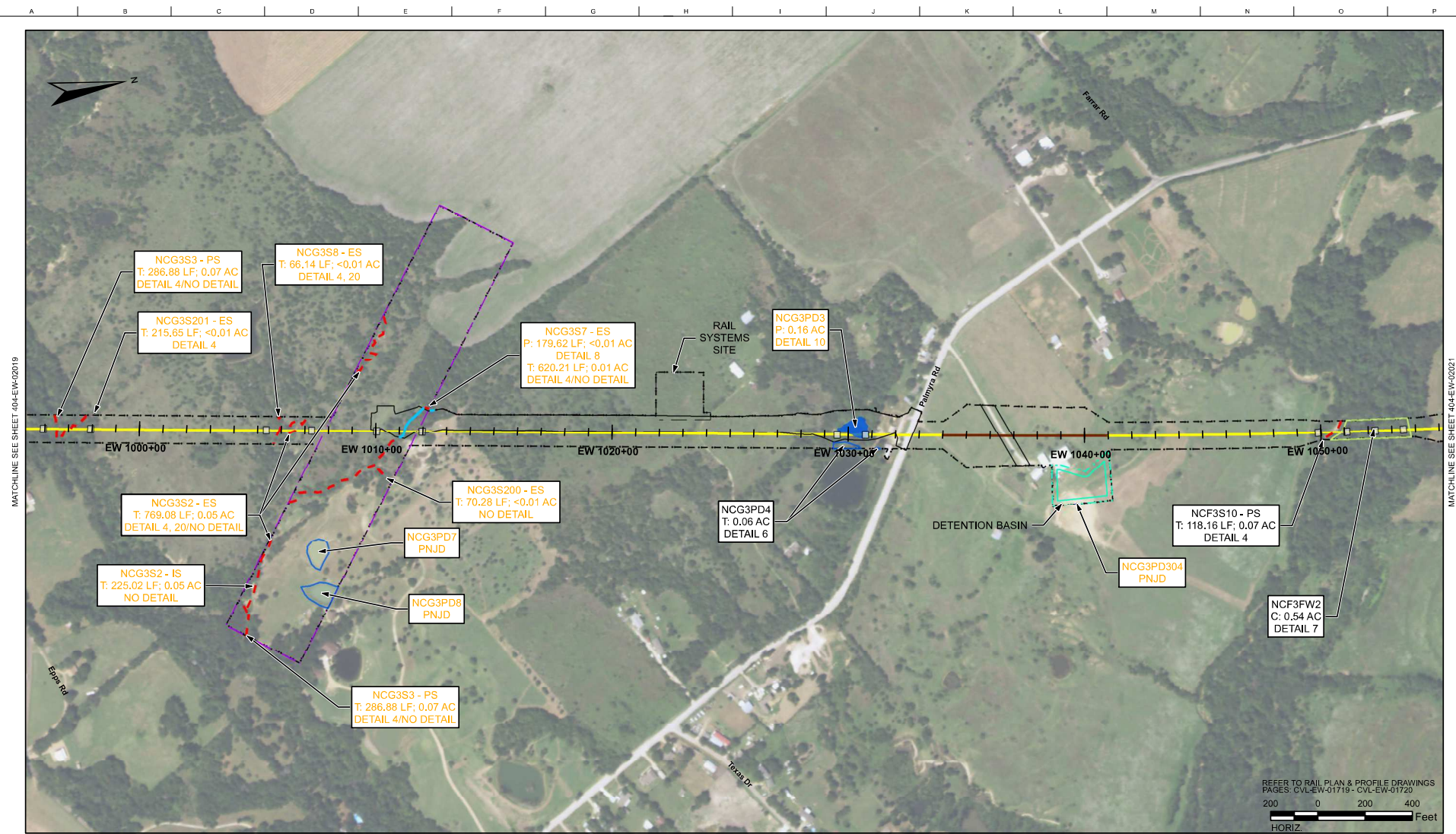
Drawing Title

ELLIS WEST SEGMENT

PLAN VIEW (FRA SEG. 2)
STA EW 937+18 TO EW 997+18Scale
AS SHOWN

NOT FOR CONSTRUCTION

JDD No. 234180 Drawing No. 404-EW-02019 Rev. 02



REFER TO RAIL PLAN & PROFILE DRAWINGS
PAGES: CVL-EW-01719 - CVL-EW-01720

200 0 200 400
Feet
HORIZ

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - RO
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DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCR
SWF-2011-00483

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DALLAS TO HOUSTON HIGH-SPEED RAIL
PHASE 1 CONCEPTUAL ENGINEERING

TEXAS CENTRAL
1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

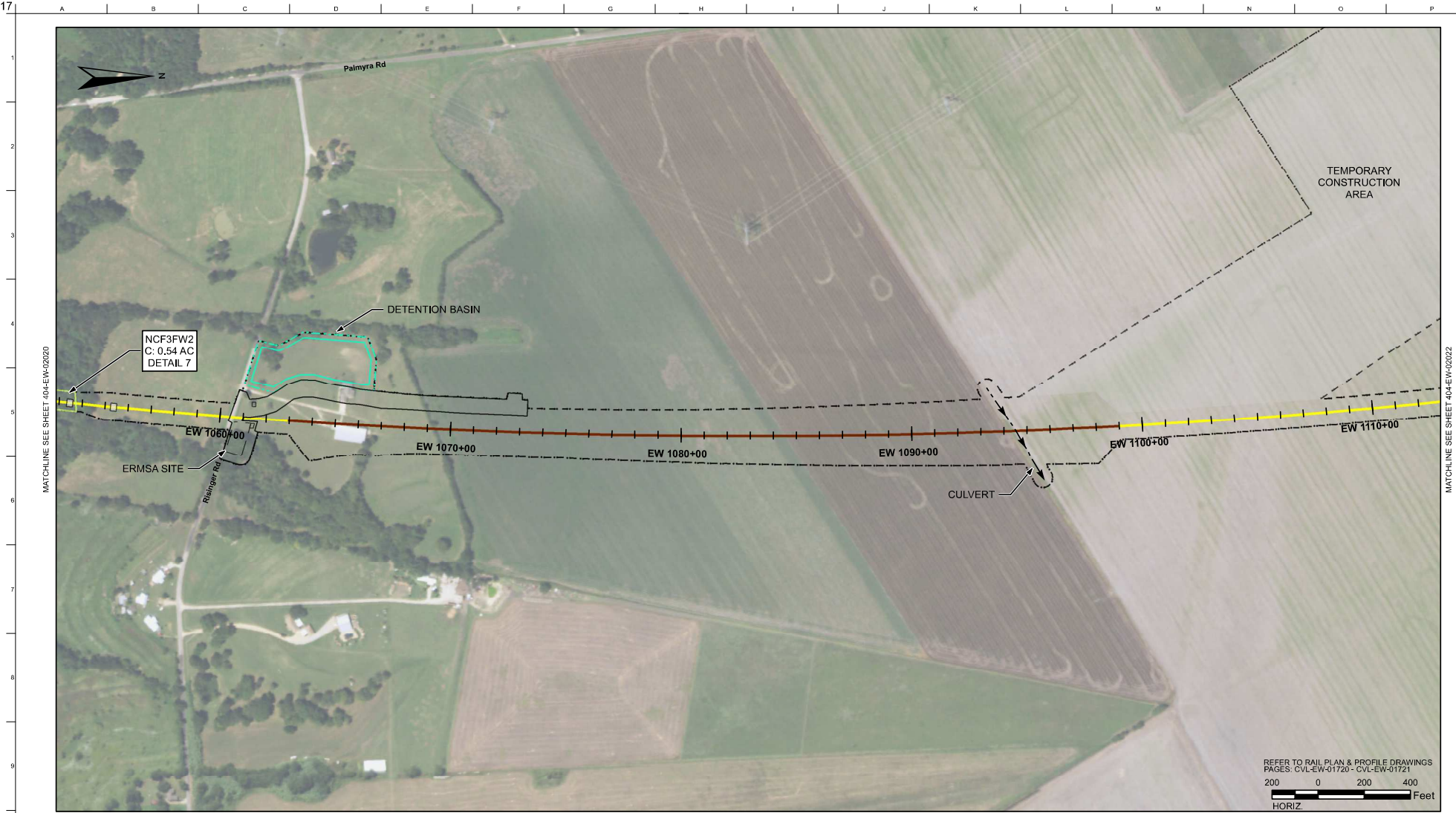
Drawing Title

ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 995+18 TO EW 1055+19

Scale
AS SHOWN

NOT FOR CONSTRUCTION

JOB No	Drawing No	Rev
234180	404-EW-02020	02



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

FINAL, REVISION 1	DESIGNED BY H. MYERS
FINAL, REVISION 2	DRAWN BY M. KINZER
	CHECKED BY R. ALDREDGE
	IN CHARGE R. ZARATE
	DATE NOV. 2019

REV	DATE	BY	CHK	APP	DESCRIPTION

PLAN

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DALLAS TO HOUSTON
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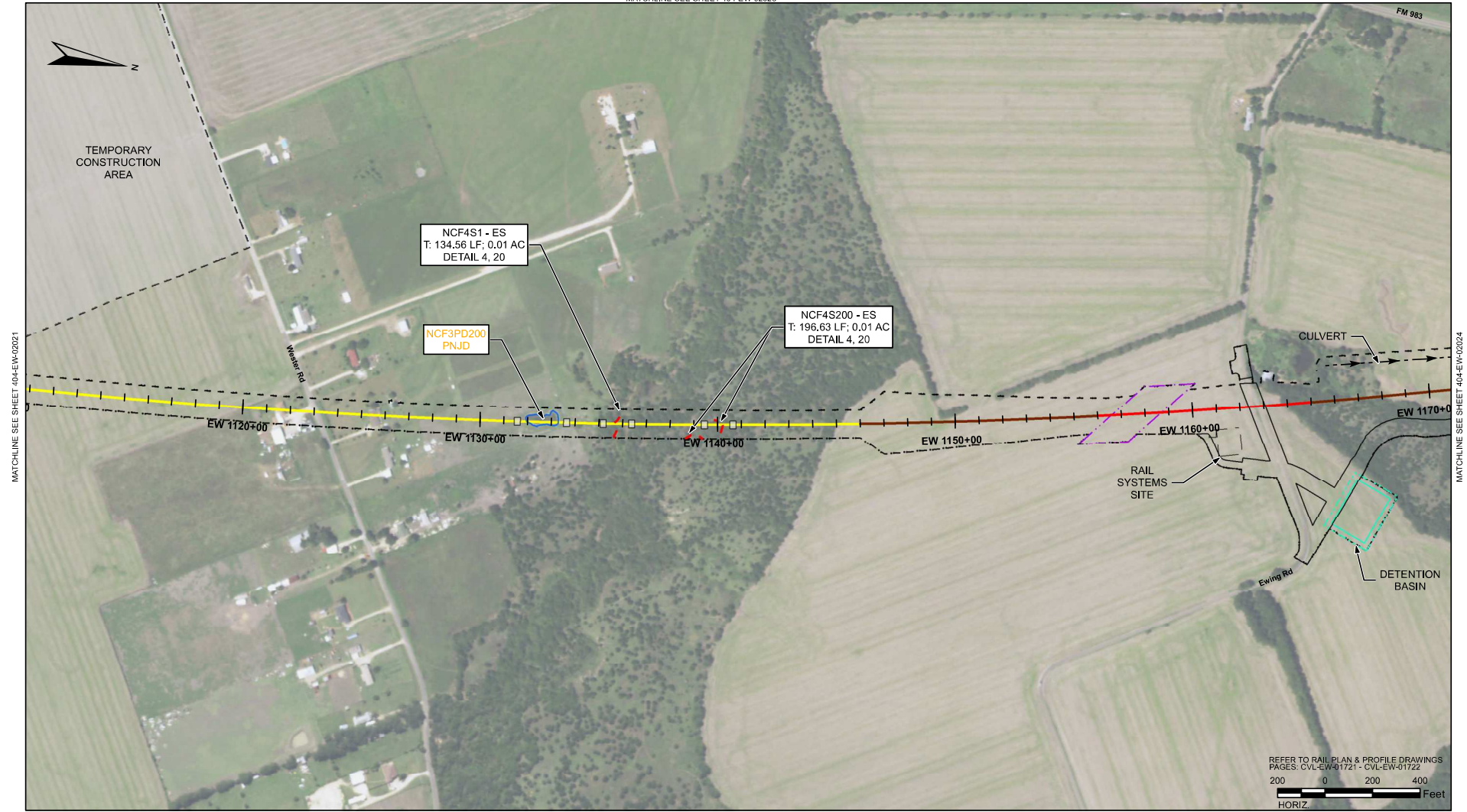
Drawing Title

ELLIS WEST SEGMENT

PLAN VIEW (FRA SEG. 2)
STA EW 1052+87 TO EW 1112+97

Scale
AS SHOWNDrawing Status
NOT FOR CONSTRUCTION

JOB No.	Drawing No.	Rev.
234180	404-EW-02021	02



REFER TO RAIL PLAN & PROFILE DRAWINGS
PAGES: CVL-EW-01721 - CVL-EW-01722
200 0 200 400
Feet
HORIZ

RAIL CONSTRUCTION TYPE	PERMANENT IMPACTS	TEMPORARY IMPACTS	OTHER	OTHER
CUT	EMERGENT WETLAND	EMERGENT WETLAND	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)	CULVERT FLOW - RO
EMBANKMENT	FORESTED WETLAND	POND	PERMANENT UTILITIES IMPACTS	CULVERT FLOW - OPEN BOTTOM
RETAIN FILL	POND	STREAMS	TEMPORARY UTILITIES IMPACTS	
RETAIN CUT	SCRUB/SHRUB WETLAND	OTHER IMPACTS	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)	
VIADUCT	STREAMS	CONVERSION WETLAND	PIER PILE CAP LOCATIONS	

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FINAL, REVISION 1
FINAL, REVISION 2

REV	DATE	BY	CHK	APP	DESCRIPTION

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

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DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERING

TEXAS
CENTRAL

1400 South Lamar Street, Suite 1002, Dallas, Texas 75215

Drawing Title
ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
STA EW 1110+82 TO EW 1170+92

Scale
AS SHOWN
Drawing Status
NOT FOR CONSTRUCTION
JOB No. 234180 Drawing No. 404-EW-02022 Rev. 02

11x17



REFER TO RAIL PLAN & PROFILE DRAWINGS
PAGES: N/A
200 0 200 400
Feet
HORIZ

RAIL CONSTRUCTION TYPE
CUT
EMBANKMENT
RETAIN FILL
RETAIN CUT
VIADUCT

PERMANENT IMPACTS
EMERGENT WETLAND
FORESTED WETLAND
POND
STREAMS
SCRUB/SHRUB WETLAND
STREAMS

TEMPORARY IMPACTS
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STREAMS
OTHER IMPACTS
CONVERSION WETLAND

OTHER
LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
PERMANENT UTILITIES IMPACTS
TEMPORARY UTILITIES IMPACTS
ROADWAY IMPACTS/EMERG. RESR. (ERMSA)
PIER PILE CAP LOCATIONS

OTHER
CULVERT FLOW - ROB
CULVERT FLOW - OPEN BOTTOM

MATCHLINE SEE SHEET 404-EW-02022

PLAN

- NOTES:
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
 - P = PERMANENT IMPACT
 - T = TEMPORARY IMPACT
 - C = CONVERSION
 - ES = EPHEMERAL STREAM
 - IS = INTERMITTENT STREAM
 - PS = PERENNIAL STREAM
 - TEMPORARY, PERMANENT AND CONVERSION IMPACTS ARE SUMMED UP IN ONE CALLOUT BOX FOR EACH FEATURE.
 - UTILITY, TEMPORARY CONSTRUCTION AND CONSTRUCTION ALLOWANCE IMPACTS DO NOT REFERENCE A DETAIL.
 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

REV	DATE	BY	CHK	APP

FINAL, REVISION 1	DESIGNED BY H. MYERS
FINAL, REVISION 2	DRAWN BY M. KINZER
	CHECKED BY R. ALDREDGE
	IN CHARGE R. ZARATE
	DATE NOV. 2019

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

ARUP

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DALLAS TO HOUSTON HIGH-SPEED RAIL
RAIL CONCEPTUAL ENGINEERING

TEXAS
CENTRAL

Drawing Title
ELLIS WEST SEGMENT
PLAN VIEW (FRA SEG. 2)
MATCHLINE 404-EW-02022

Scale
AS SHOWN
Drawing Status
NOT FOR CONSTRUCTION
JCD No 234180 Drawing No 404-EW-02023 Rev 02



PLAN

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

**FREESE
AND
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2711 North Haskell Ave., Suite 3300
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Drawing Title

ELLIS WEST SEGMENT

PLAN VIEW (FRA SEG. 2)

STA EW 1169+06 TO EW 1229+16

Scale AS SHOWN Drawing Status NOT FOR CONSTRUCTION		
Job No 234180	Drawing No 404-FW-02024	Rev 02

MATCHLINE SEE SHEET 404-EW-02024



RAIL CONSTRUCTION TYPE	
—	CUT
—	EMBANKMENT
—	RETAIN FILL
—	RETAIN CUT
—	VIADUCT

PERMANENT IMPACTS	
—	EMERGENT WETLAND
—	FORESTED WETLAND
—	POND
—	SCRUB/SHRUB WETLAND
—	STREAMS

TEMPORARY IMPACTS	
—	EMERGENT WETLAND
—	POND
—	STREAMS
—	OTHER IMPACTS
—	CONVERSION WETLAND

OTHER	
---	LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT)
---	PERMANENT UTILITIES IMPACTS
---	TEMPORARY UTILITIES IMPACTS
---	ROADWAY IMPACTS/EMERG. RESR. (ERMSA)
---	PIER PILE CAP LOCATIONS

OTHER	
---	CULVERT FLOW - ROB
---	CULVERT FLOW - OPEN BOTTOM

PLAN

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REV	DATE	BY	CHK	APP

FINAL, REVISION 1
FINAL, REVISION 2

DESCRIPTION

DESIGNED BY	H. MYERS
DRAWN BY	M. KINZER
CHECKED BY	R. ALDREDGE
IN CHARGE	R. ZARATE
DATE	NOV. 2019

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

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Texas Registered Engineering Firm: F-2144DALLAS TO HOUSTON HIGH-SPEED RAIL
FRAIAL CONCEPTUAL ENGINEERINGTEXAS
CENTRAL

Drawing Title

ELLIS WEST SEGMENT

PLAN VIEW (FRA SEG. 2)
STA EW 1227+33 TO EW 1246+26Scale:
AS SHOWNDrawing Status:
NOT FOR CONSTRUCTION

JOB No.	Drawing No.	Rev.
234180	404-EW-02025	02