

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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**
- NOTES:
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
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 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

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

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

ARUP
 Arup Texas, Inc.
 10376 Northwest Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

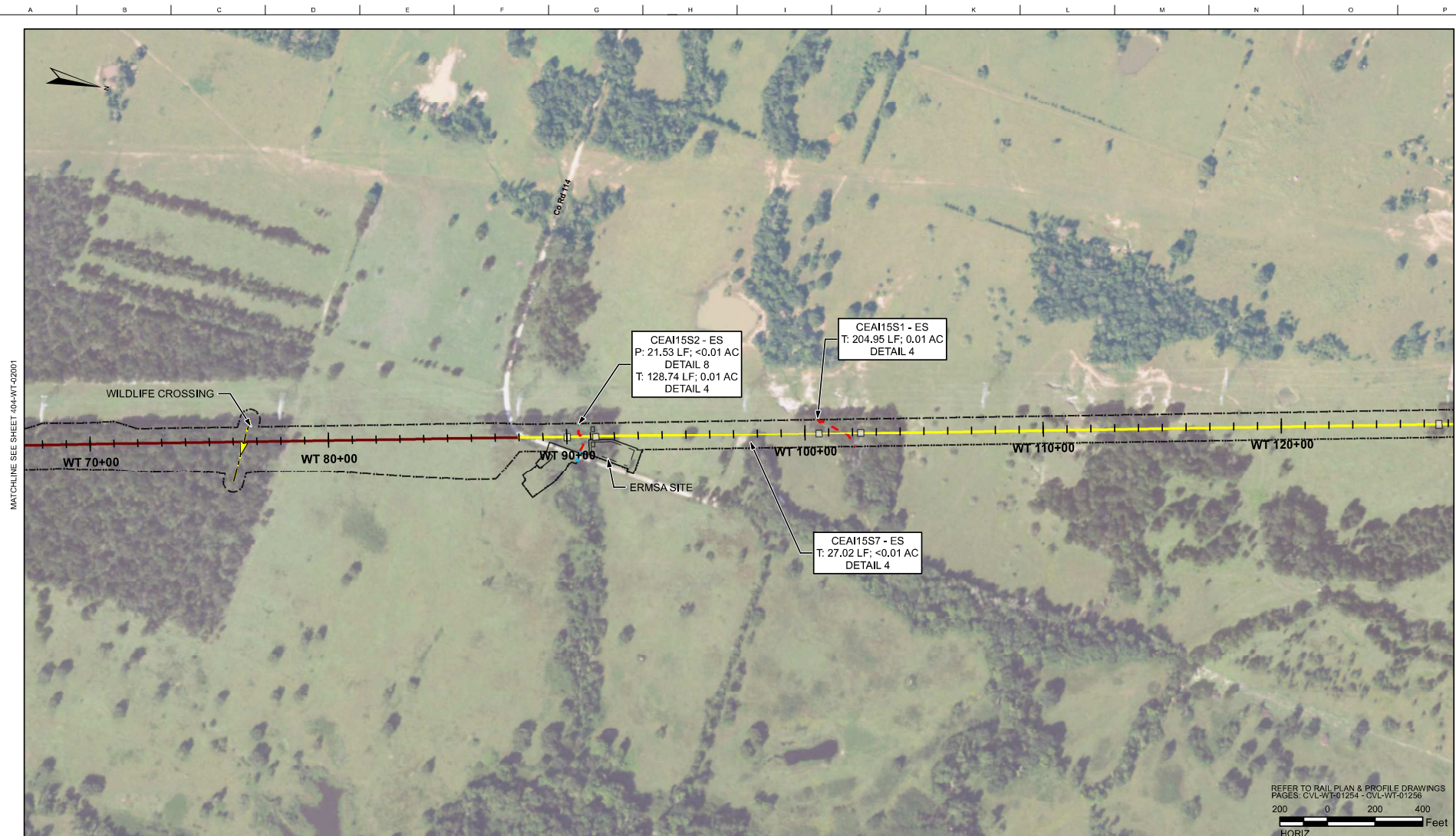
FREES NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 10+00 TO WT 69+06

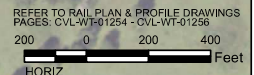
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|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02001 |
| Rev 02 | |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

- NOTES:
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| | |
|-------------------|----------------------------------|
| FINAL, REVISION 1 | DESIGNED BY H. MYERS |
| FINAL, REVISION 2 | DRAWN BY M. KINZER |
| | CHECKED BY R. ALDREDGE |
| | IN CHARGE R. ZARATE |
| | DATE DEC. 2019 |

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

ARUP
 Arup Texas, Inc.
 10370 Westwood Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

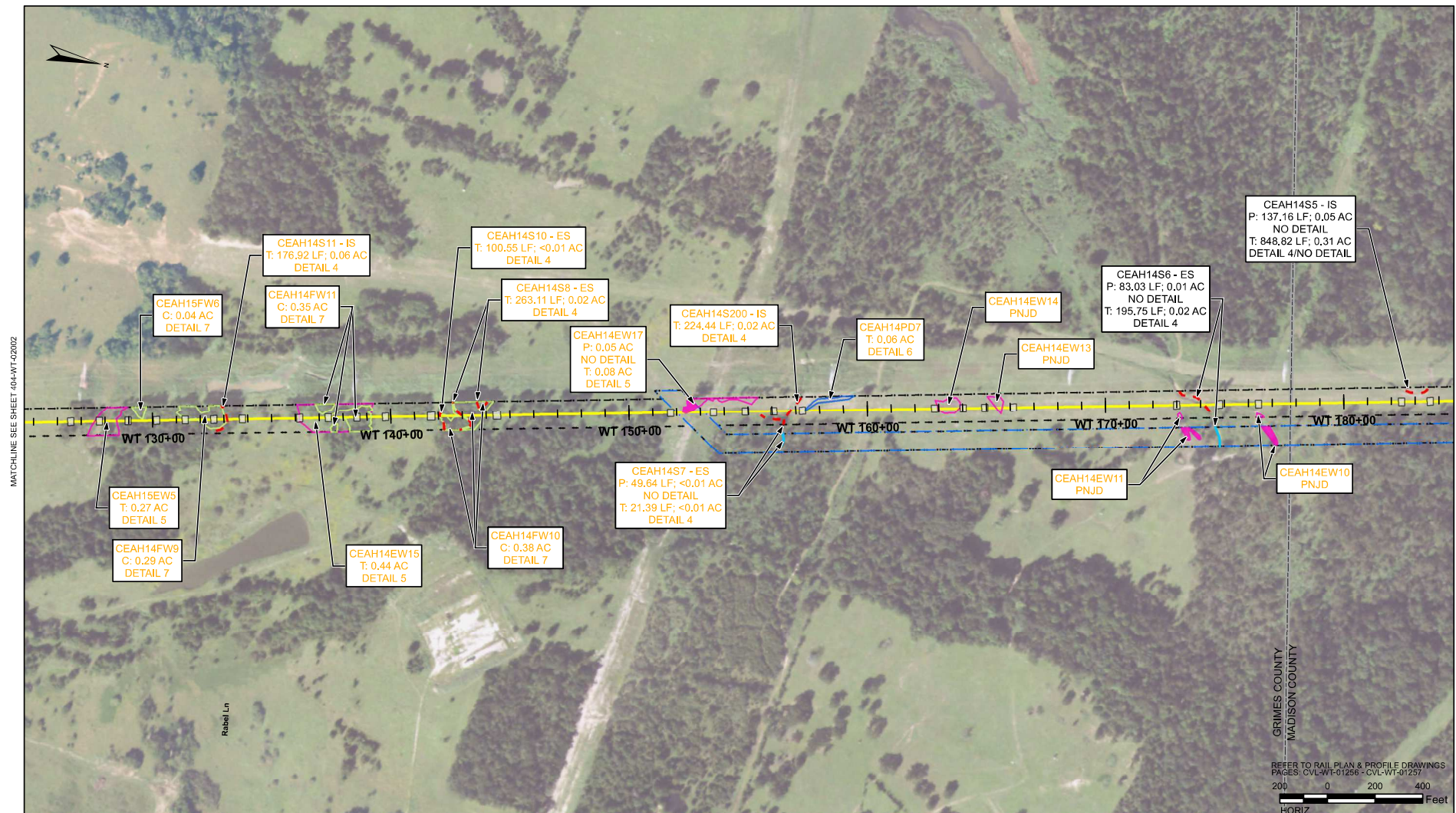
FRESE NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

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

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 67+26 TO WT 127+21

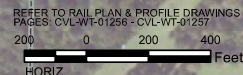
Scale
AS SHOWN
 Drawing Status
NOT FOR CONSTRUCTION
 Job No. 234180 Drawing No. 404-WT-02002 Rev. 02



MATCHLINE SEE SHEET 404-WT-02002

MATCHLINE SEE SHEET 404-WT-02004

GRIMES COUNTY
MADISON COUNTY



REFER TO RAIL PLAN & PROFILE DRAWINGS
PAGES: CVL-WT-01256 - CVL-WT-01257

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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) | |
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H:\ENVIRONMENTAL\Work\Deliverables\Final\Final_Rev\2_August2019\segment\env\rev\Revise_MB_11x17.mxd

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

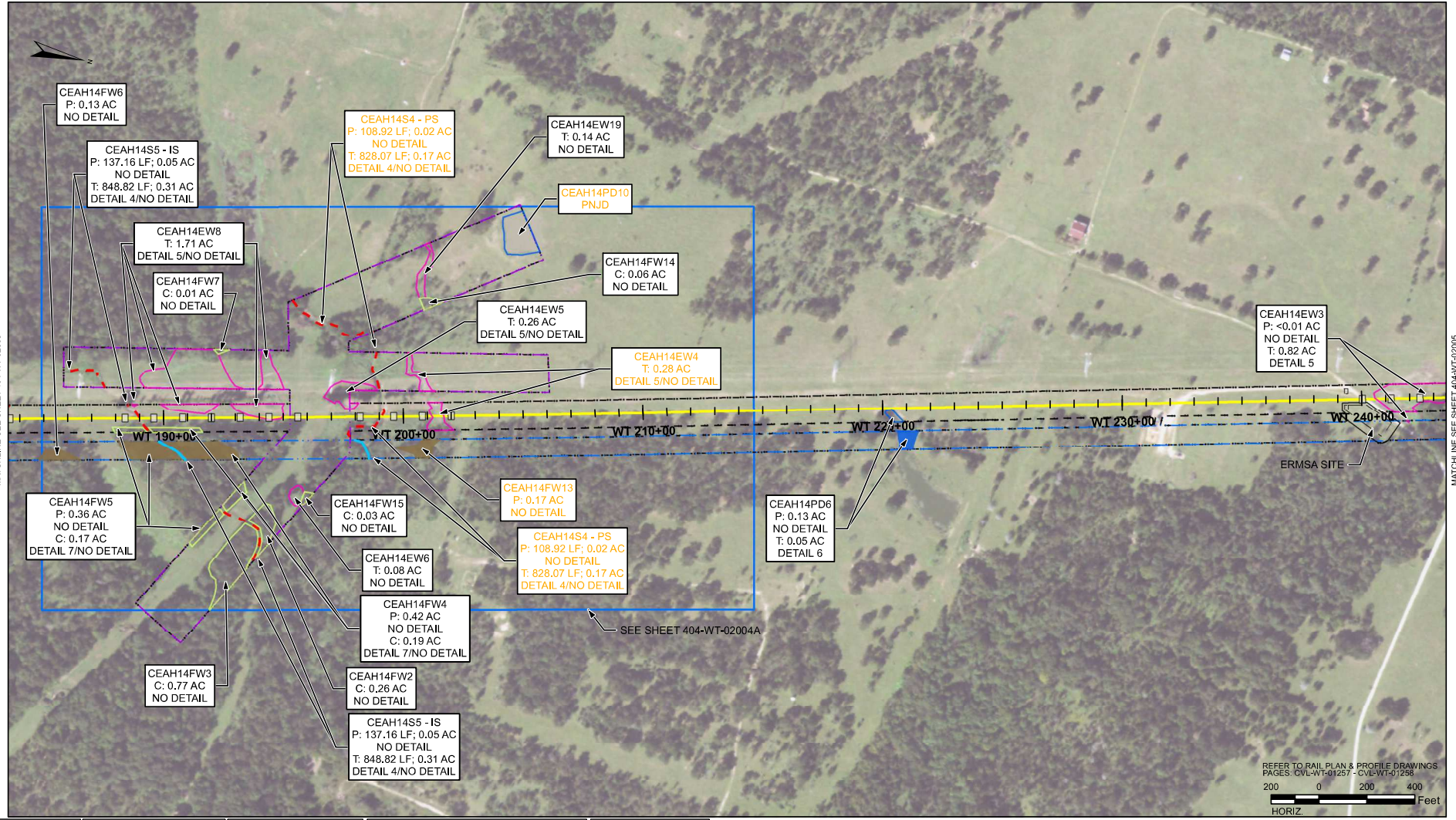
DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TCR
SWF-2011-00483

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

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Scale: AS SHOWN
Drawing Status: NOT FOR CONSTRUCTION
Drawing Title: WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 125+41 TO WT 185+37
Drawing No: 234180
Rev: 02



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
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PLAN

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

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

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

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10370 N. Katy Ave., Suite 475
Houston, Texas 77042 USA
Tel (713) 783 2787 Fax (713) 434 1487
www.arup.com Texas Registered Engineering Firm: F-1590

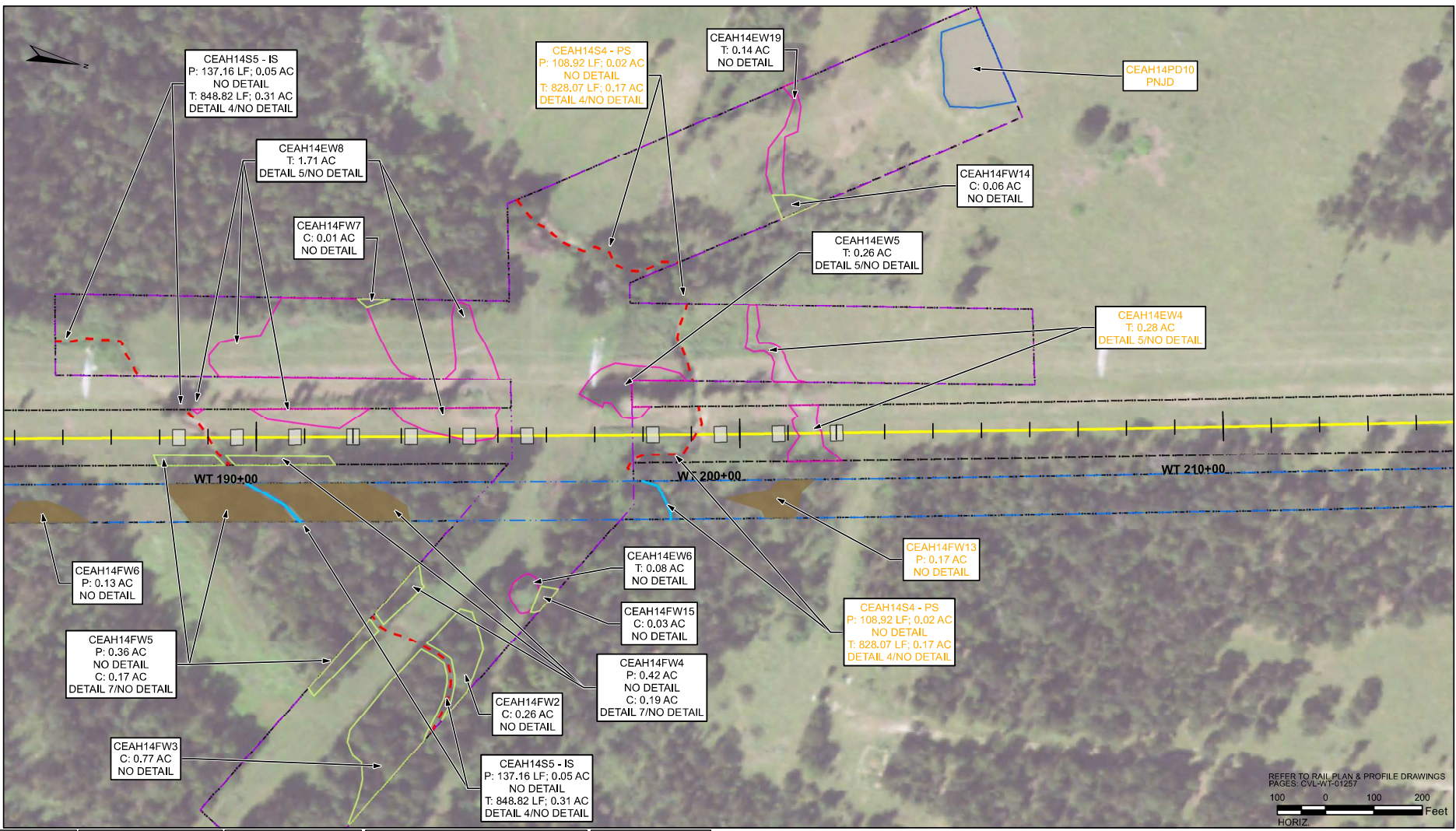
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Dallas, Texas 75204
Tel (214) 217 2200 Fax (214) 217 2201
www.frese-nichols.com Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING

1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

| | | | |
|----------------------------|--------------|----------------------|--|
| Drawing Title | | Scale | |
| WEST OF TEAGUE SEGMENT | | AS SHOWN | |
| PLAN VIEW (FRA SEG. 4) | | DRAWING STATUS | |
| STA WT 183+54 TO WT 243+50 | | NOT FOR CONSTRUCTION | |
| JOB No | Drawing No | REV | |
| 234180 | 404-WT-02004 | 02 | |



REFER TO RAIL PLAN & PROFILE DRAWINGS
PAGES: CVL-WT-01257
100 0 100 200
Feet
HORIZ

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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) | |
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PLAN

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

DESIGNED BY
H. MYERS

DRAWN BY
M. KINZER

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
DEC. 2019

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

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Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 184+93 TO WT 214+62

Scale
AS SHOWN

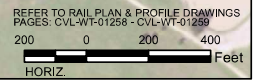
Drawing Status
NOT FOR CONSTRUCTION

JOB No. 234180 Drawing No. 404-WT-02004A Rev. 02



MATCHLINE SEE SHEET 404-WT-02004

MATCHLINE SEE SHEET 404-WT-02006



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

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

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

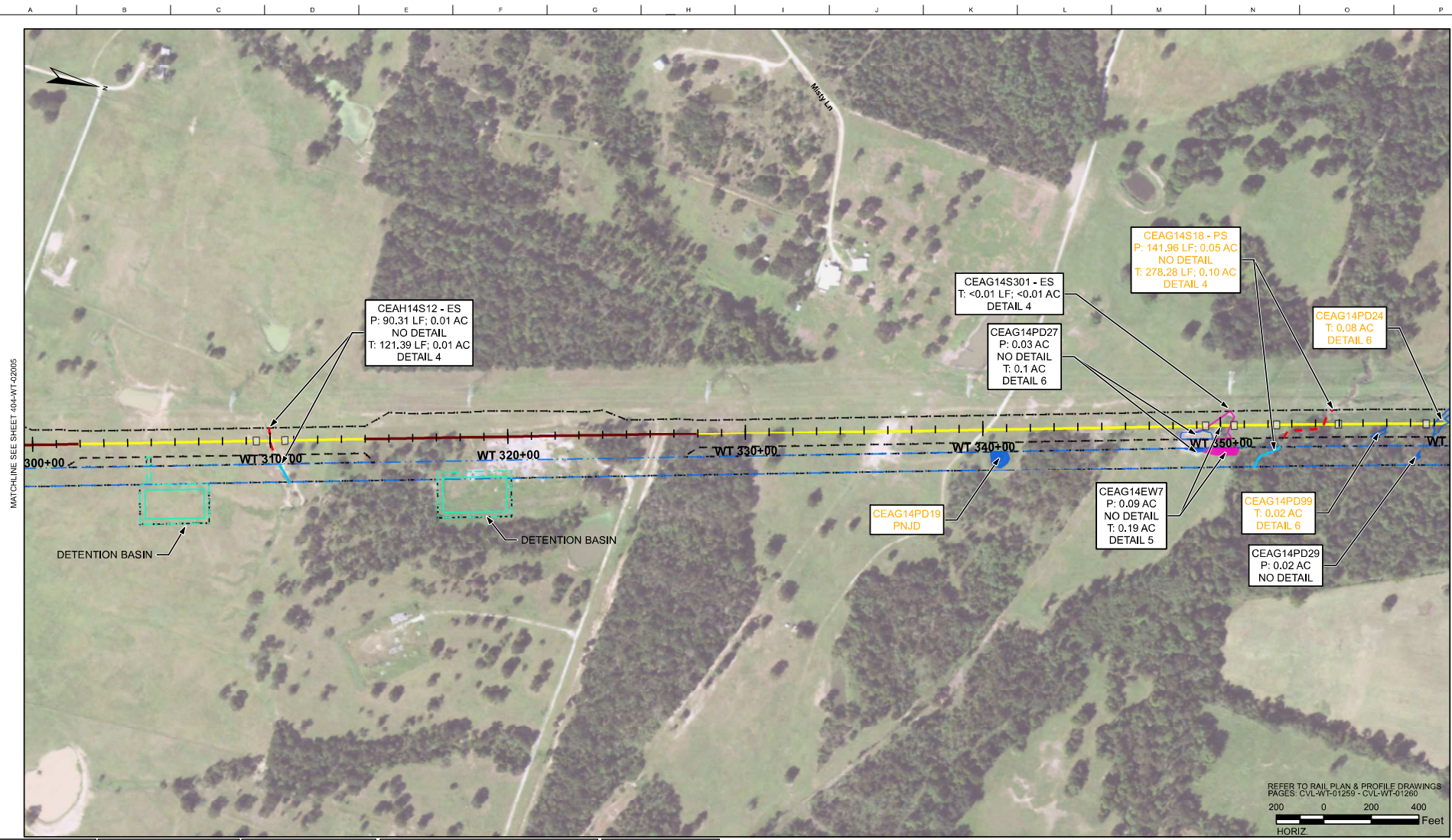
ARUP
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 10270 Westwood Ave., Suite 475
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 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

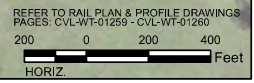
 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

| | | | |
|----------------------------|--------------|----------------------|--|
| Drawing Title | | Scale | |
| WEST OF TEAGUE SEGMENT | | AS SHOWN | |
| PLAN VIEW (FRA SEG. 4) | | DRAWING STATUS | |
| STA WT 241+66 TO WT 301+62 | | NOT FOR CONSTRUCTION | |
| Job No. | Drawing No. | Rev | |
| 234180 | 404-WT-02005 | 02 | |



MATCHLINE SEE SHEET 404-WT-02005

MATCHLINE SEE SHEET 404-WT-02007



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RCB |
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| DESIGNED BY H. MYERS | FINAL, REVISION 1 |
| DRAWN BY M. KINZER | FINAL, REVISION 2 |
| CHECKED BY R. ALDREDGE | |
| IN CHARGE R. ZARATE | |
| DATE DEC. 2019 | |

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

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 10370 Westwood Ave., Suite 475
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 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 299+67 TO WT 359+63

Scale
AS SHOWN
 Drawing Status
NOT FOR CONSTRUCTION
 Job No. 234180 Drawing No. 404-WT-02006 Rev. 02



MATCHLINE SEE SHEET 404-WT-02006

MATCHLINE SEE SHEET 404-WT-02008

REFER TO RAIL PLAN & PROFILE DRAWINGS
 PAGES: CVL-WT-01260 - CVL-WT-01261
 200 0 200 400
 HORIZ Feet

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
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| | | IN CHARGE | R. ZARATE |
| | | DATE | DEC. 2019 |

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

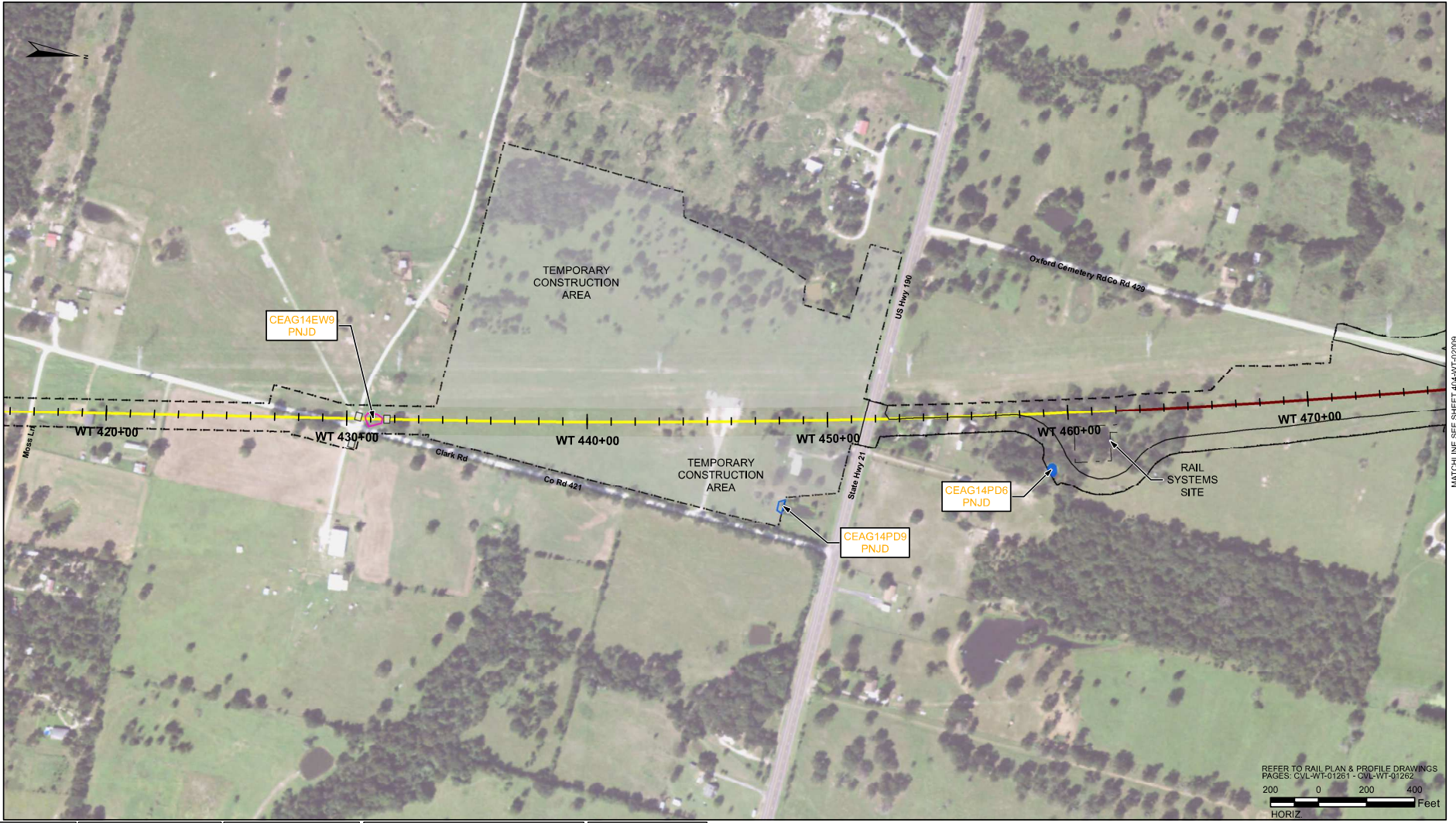
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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

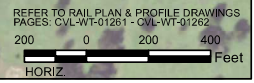
 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title: WEST OF TEAGUE SEGMENT
 Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION
 PLAN VIEW (FRA SEG. 4)
 STA WT 357+63 TO WT 417+63
 Drawing No: 404-WT-02007
 Rev: 02



MATCHLINE SEE SHEET 404-WT-02007

MATCHLINE SEE SHEET 404-WT-02009



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|------------------------|---------------------|--------------------|--|----------------------------|
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 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

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

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

ARUP
 Arup Texas, Inc.
 10370 Westwood Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

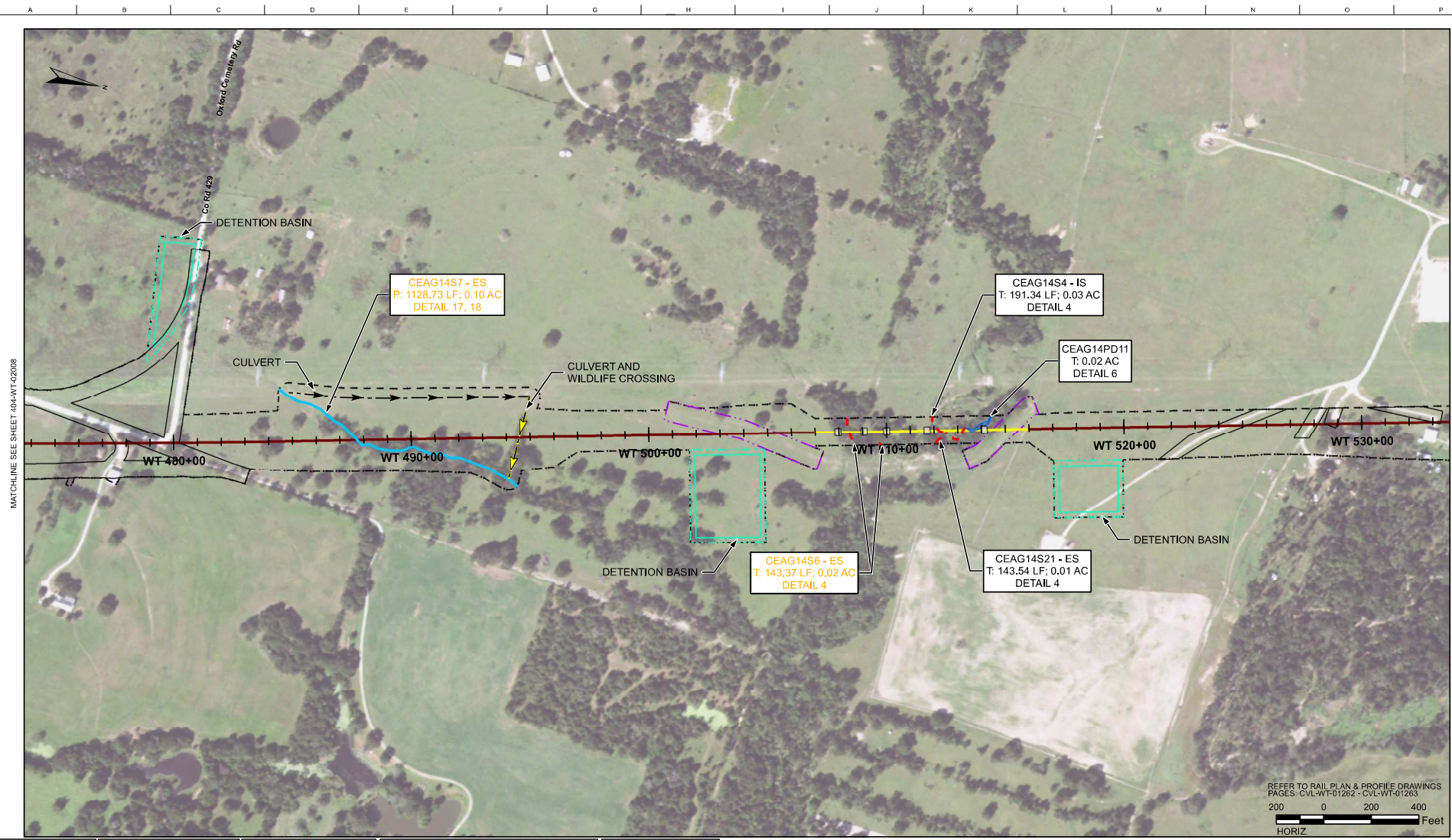
FRESE NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

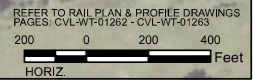
Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 415+74 TO WT 475+74

Scale
AS SHOWN
 Drawing Status
NOT FOR CONSTRUCTION
 Job No. 234180 Drawing No. 404-WT-02008 Rev. 02



MATCHLINE SEE SHEET 404-WT-02009

MATCHLINE SEE SHEET 404-WT-02010



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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| | | | |
|-------------------|--|-------------|-------------|
| FINAL, REVISION 1 | | DESIGNED BY | H. MYERS |
| FINAL, REVISION 2 | | DRAWN BY | M. KINZER |
| | | CHECKED BY | R. ALDREDGE |
| | | IN CHARGE | R. ZARATE |
| | | DATE | DEC. 2019 |

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

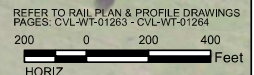
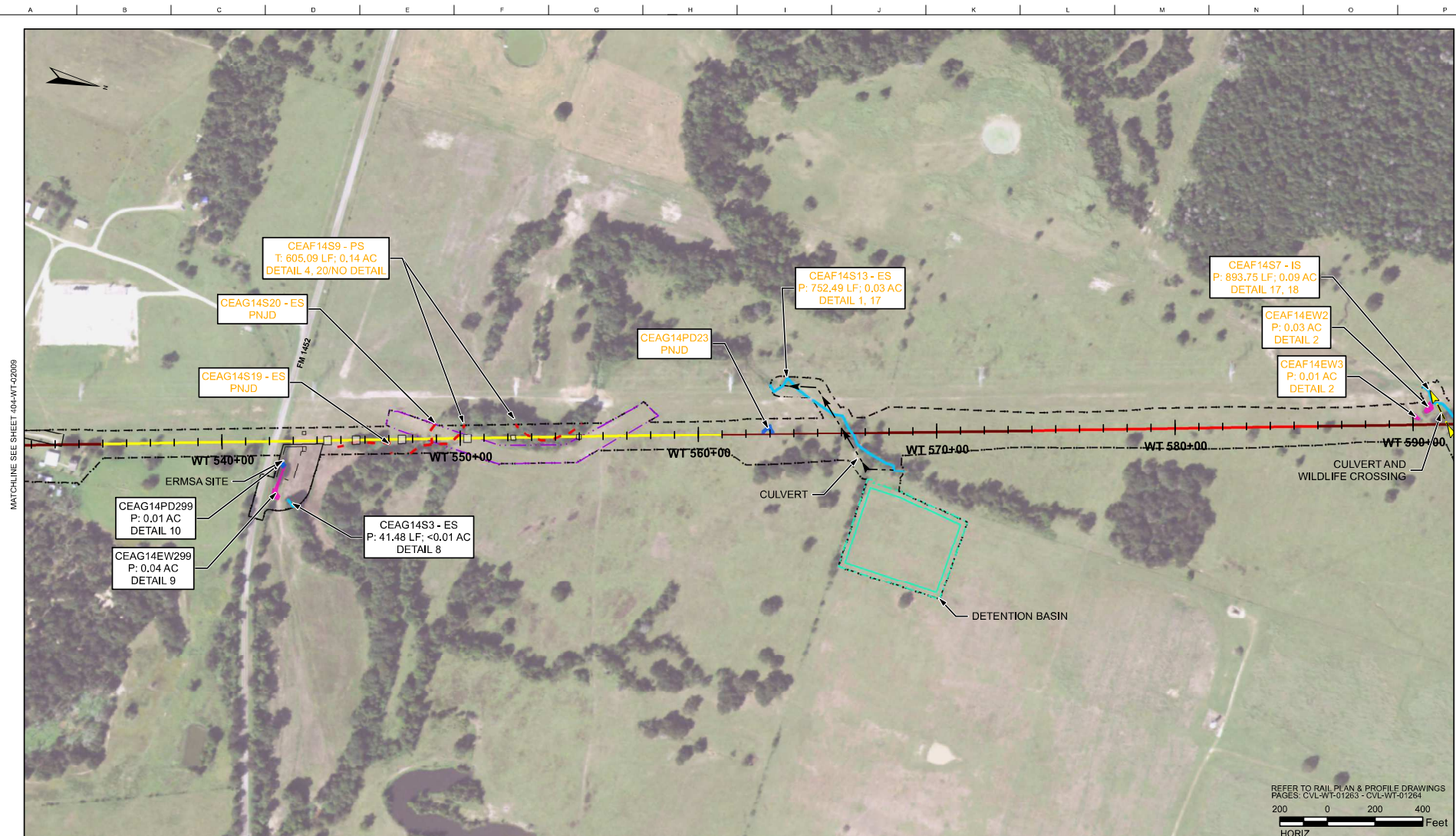
ARUP
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 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

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

Drawing Title: WEST OF TEAGUE SEGMENT
 Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION
 PLAN VIEW (FRA SEG. 4)
 STA WT 473+73 TO WT 533+69
 Drawing No: 234180
 Rev: 02



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

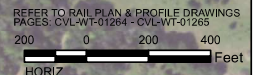
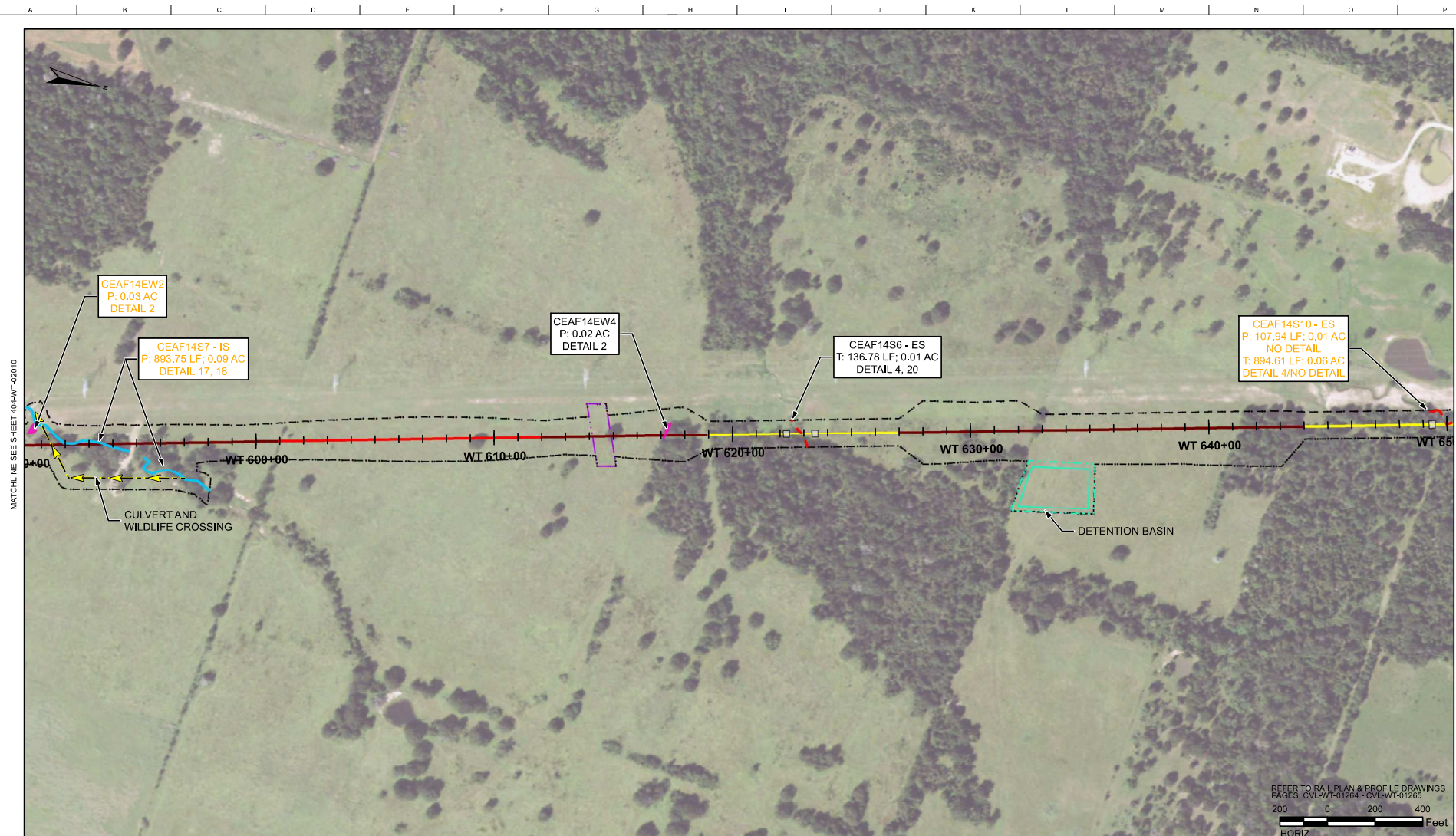
DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TORR
SWF-2011-00483

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

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

| | |
|--|---|
| Drawing Title WEST OF TEAGUE SEGMENT | Scale AS SHOWN |
| PLAN VIEW (FRA SEG. 4) | Drawing Status NOT FOR CONSTRUCTION |
| STA WT 531+73 TO WT 591+69 | Job No. Drawing No. Rev 234180 404-WT-02010 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

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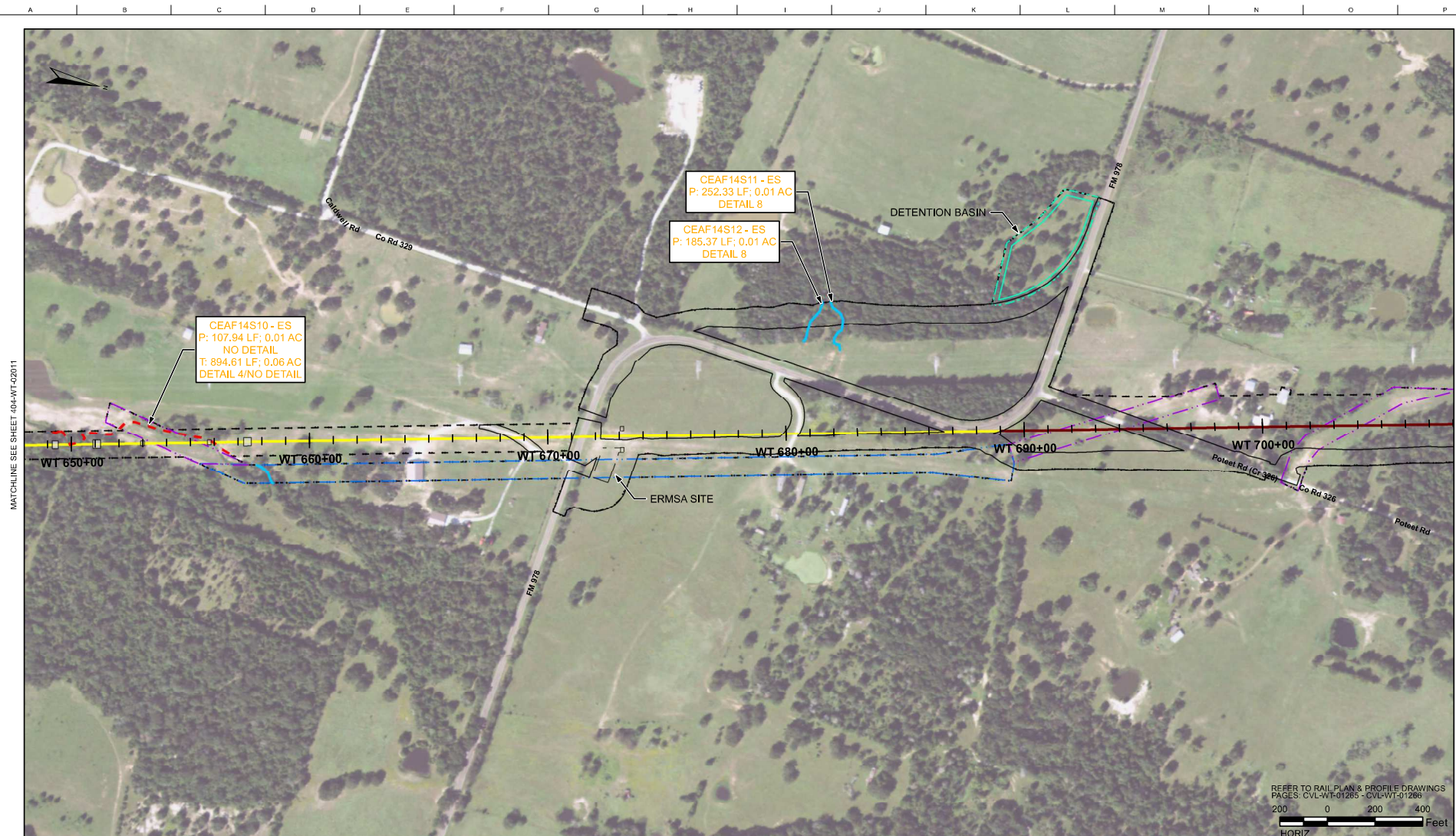
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 590+30 TO WT 650+26

Scale
AS SHOWN

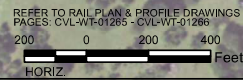
Drawing Status
NOT FOR CONSTRUCTION

| | | |
|---------|--------------|------|
| JOB No. | Drawing No. | Rev. |
| 234180 | 404-WT-02011 | 02 |



MATCHLINE SEE SHEET 404-WT-02011

MATCHLINE SEE SHEET 404-WT-02013



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

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

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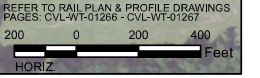
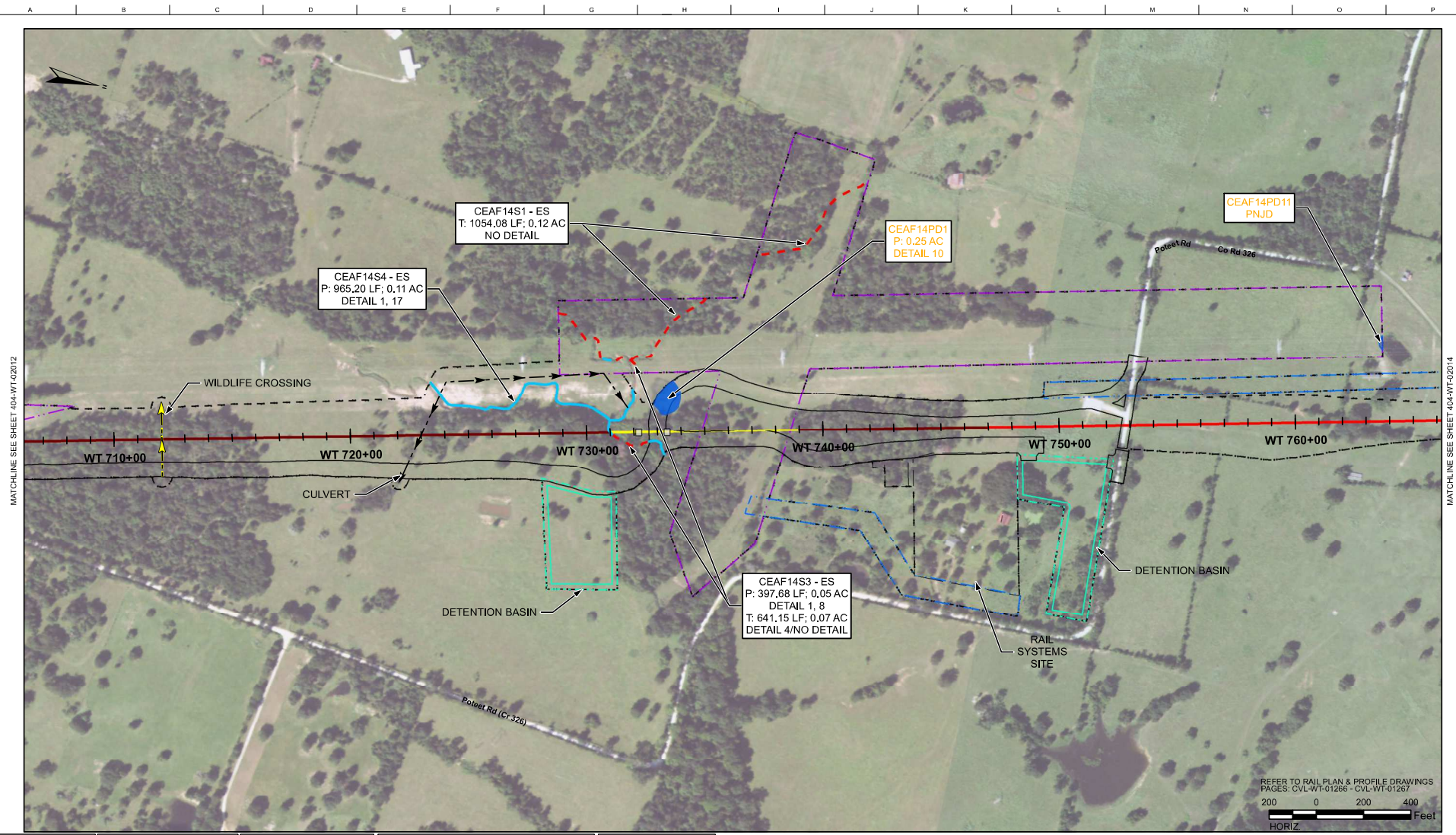
DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 648+05 TO WT 708+01

Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION

| | | | | | |
|--------|--------|------------|--------------|-----|----|
| JOB No | 234180 | Drawing No | 404-WT-02012 | Rev | 02 |
|--------|--------|------------|--------------|-----|----|



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

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

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

ARUP
 Arup Texas, Inc.
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DALLAS TO HOUSTON HIGH-SPEED RAIL
 RAIL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

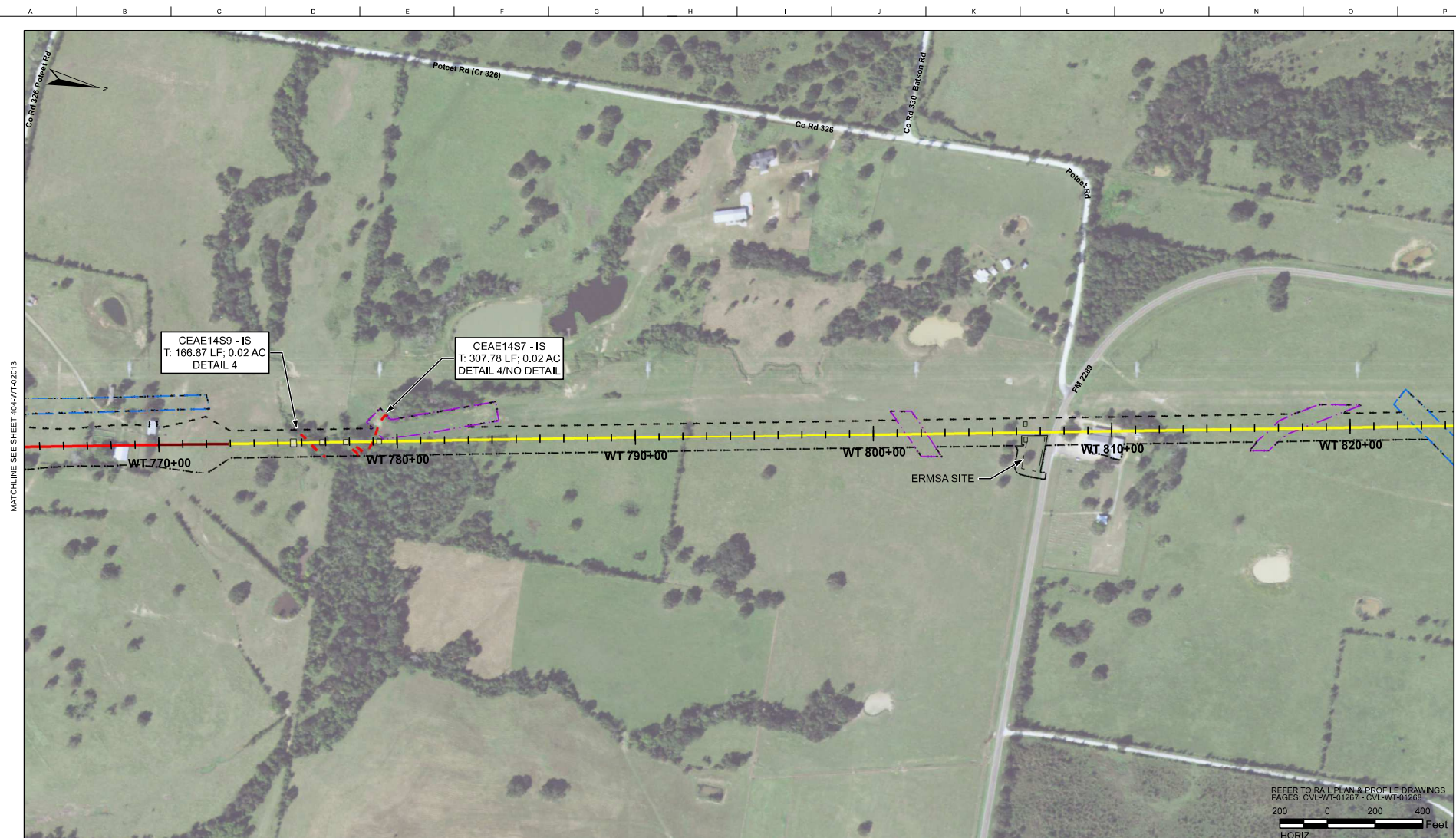
Drawing Title
WEST OF TEAGUE SEGMENT

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

PLAN VIEW (FRA SEG. 4)
STA WT 706+21 TO WT 766+17

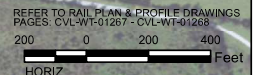
| | | |
|---------|--------------|------|
| JOB No. | Drawing No. | Rev. |
| 234180 | 404-WT-02013 | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|-----|------|----|-----|-----|-------------|
| | | | | | |

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

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

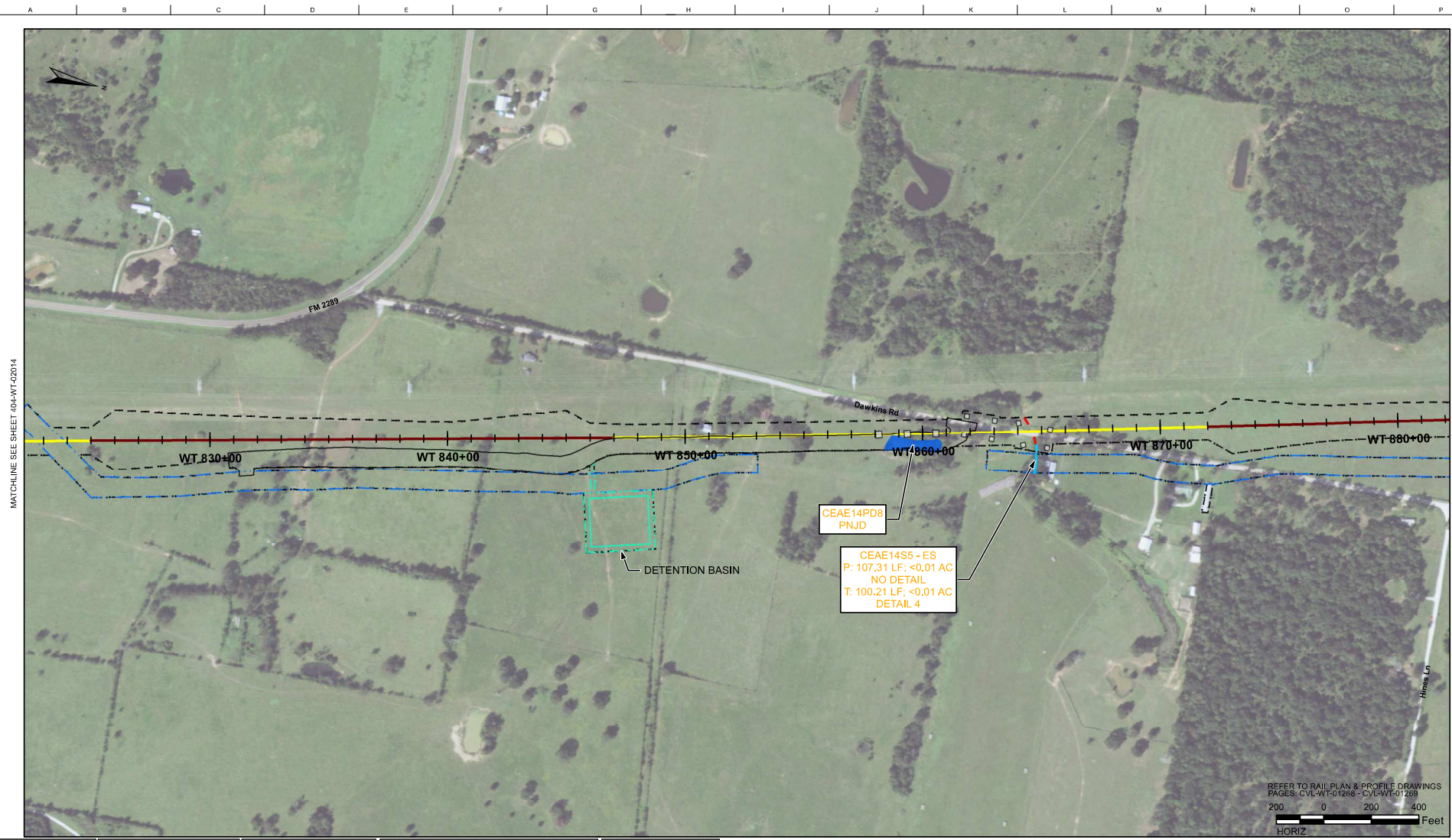
ARUP
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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 764+38 TO WT 824+34

| | | |
|---|-----------------------------|------------|
| Scale AS SHOWN | | |
| Drawing Status NOT FOR CONSTRUCTION | | |
| JOB No. 234180 | Drawing No. 404-WT-02014 | Rev. 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RCB |
| EMBANKMENT | FORESTED WETLAND | POND | PERMANENT UTILITIES IMPACTS | CULVERT FLOW - OPEN BOTTOM |
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| RETAIN CUT | SCRUB/SHRUB WETLAND | OTHER IMPACTS | ROADWAY IMPACTS/EMERG. RESR. (ERMSA) | |
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| DESIGNED BY | H. MYERS |
| DRAWN BY | M. KINZER |
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| IN CHARGE | R. ZARATE |
| DATE | DEC. 2019 |

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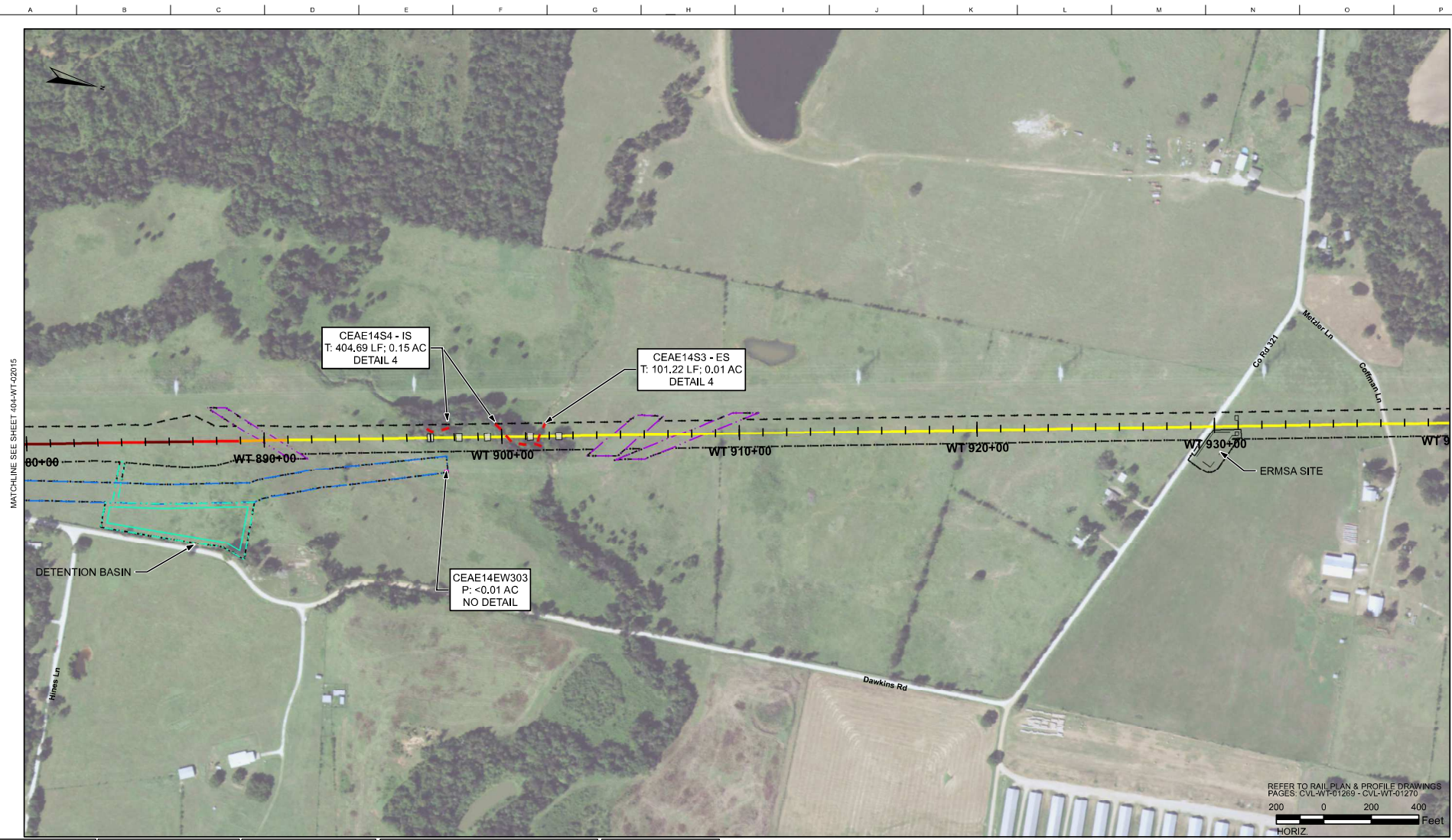
DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 822+21 TO WT 882+17

Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION

| | | | | | |
|---------|--------|-------------|--------------|------|----|
| JOB No. | 234180 | Drawing No. | 404-WT-02015 | Rev. | 02 |
|---------|--------|-------------|--------------|------|----|



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

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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

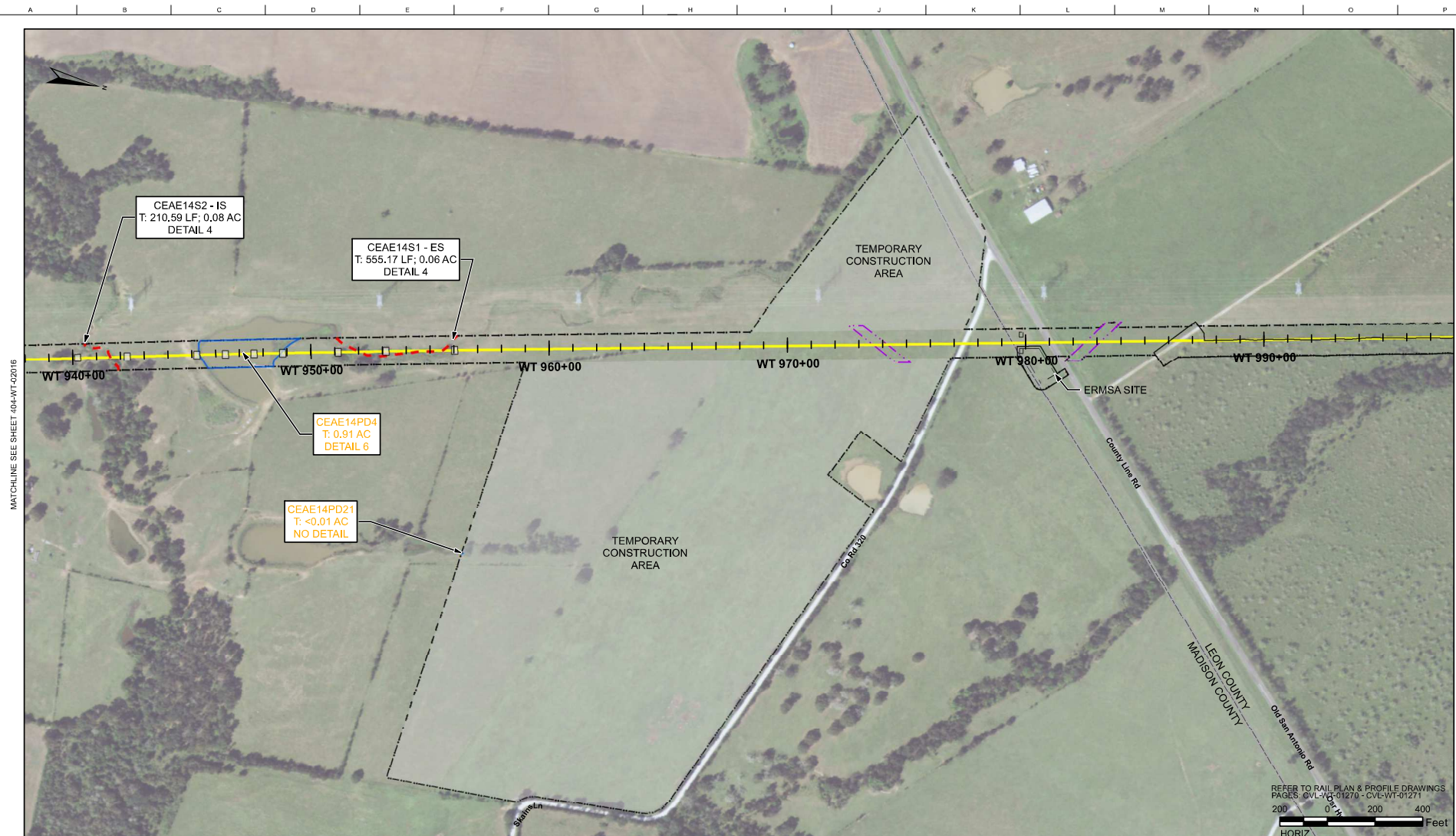
DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title: **WEST OF TEAGUE SEGMENT**
 PLAN VIEW (FRA SEG. 4)
 STA WT 879+92 TO WT 939+89

Scale: **AS SHOWN**
 Drawing Status: **NOT FOR CONSTRUCTION**

| | | | | | |
|---------|--------|-------------|--------------|------|----|
| JOB No. | 234180 | Drawing No. | 404-WT-02016 | Rev. | 02 |
|---------|--------|-------------|--------------|------|----|



REFER TO RAIL PLAN & PROFILE DRAWINGS
 PAGES: CULV-01270 - CULV-01271
 200 0 200 400
 HORIZ Feet

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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. (ERMISA) | |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

PLAN

- NOTES:
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
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 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

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

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

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

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 Texas Registered Engineering Firm: F-1590

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

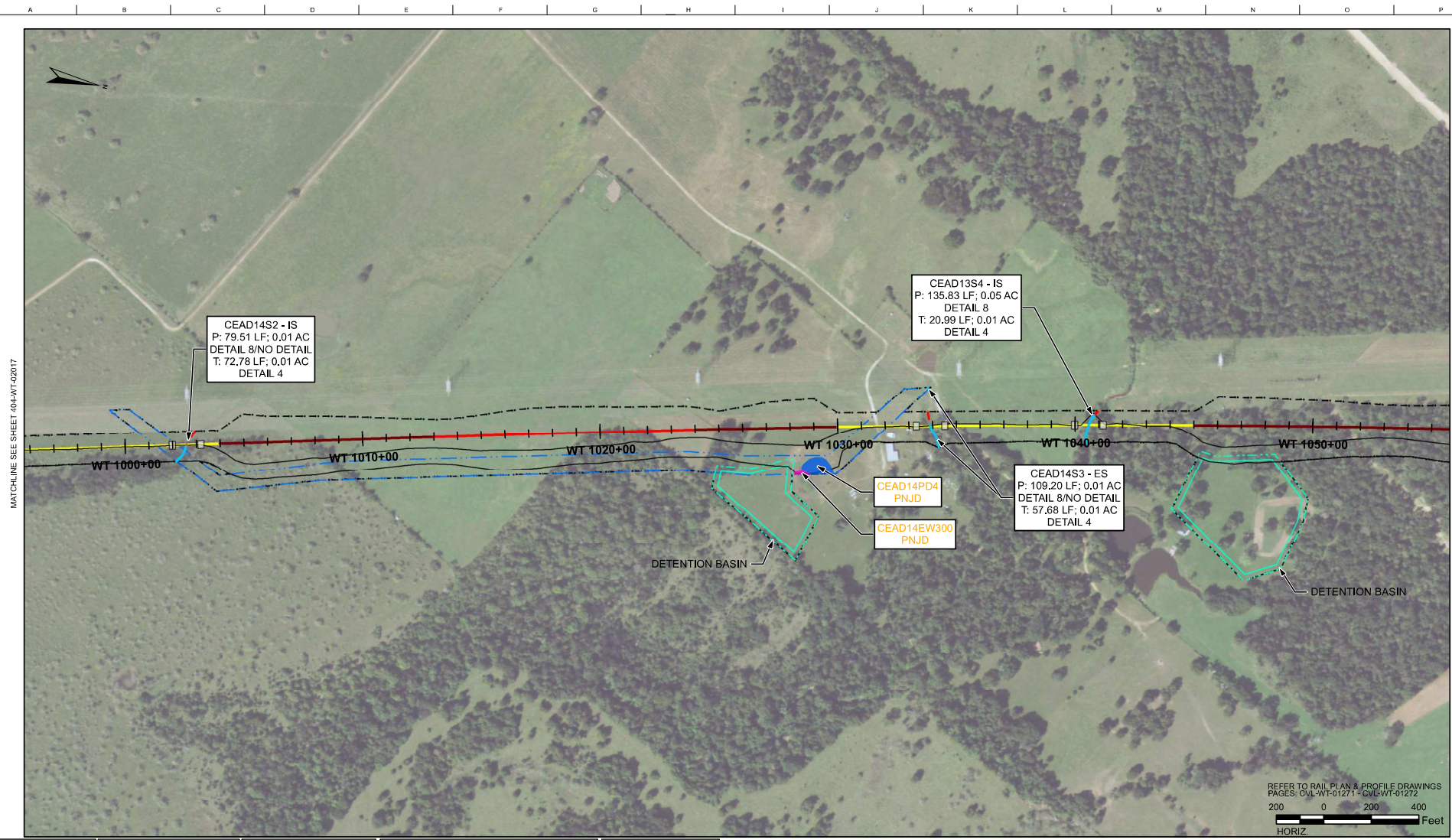
DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

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

Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 937+93 TO WT 997+90

Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION

| JOB No | Drawing No | Rev |
|--------|--------------|-----|
| 234180 | 404-WT-02017 | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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REFER TO RAIL PLAN & PROFILE DRAWINGS PAGES: CUL-WT-01271 - CUL-WT-01272
 200 0 200 400
 HORIZ Feet

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

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

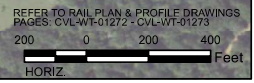
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 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 995+78 TO WT 1055+75
 Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION
 Job No: 234180
 Drawing No: 404-WT-02018
 Rev: 02



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

- NOTES:
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| | |
|----------------------------------|-------------------|
| DESIGNED BY H. MYERS | FINAL, REVISION 1 |
| DRAWN BY M. KINZER | FINAL, REVISION 2 |
| CHECKED BY R. ALDREDGE | |
| IN CHARGE R. ZARATE | |
| DATE DEC. 2019 | |

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

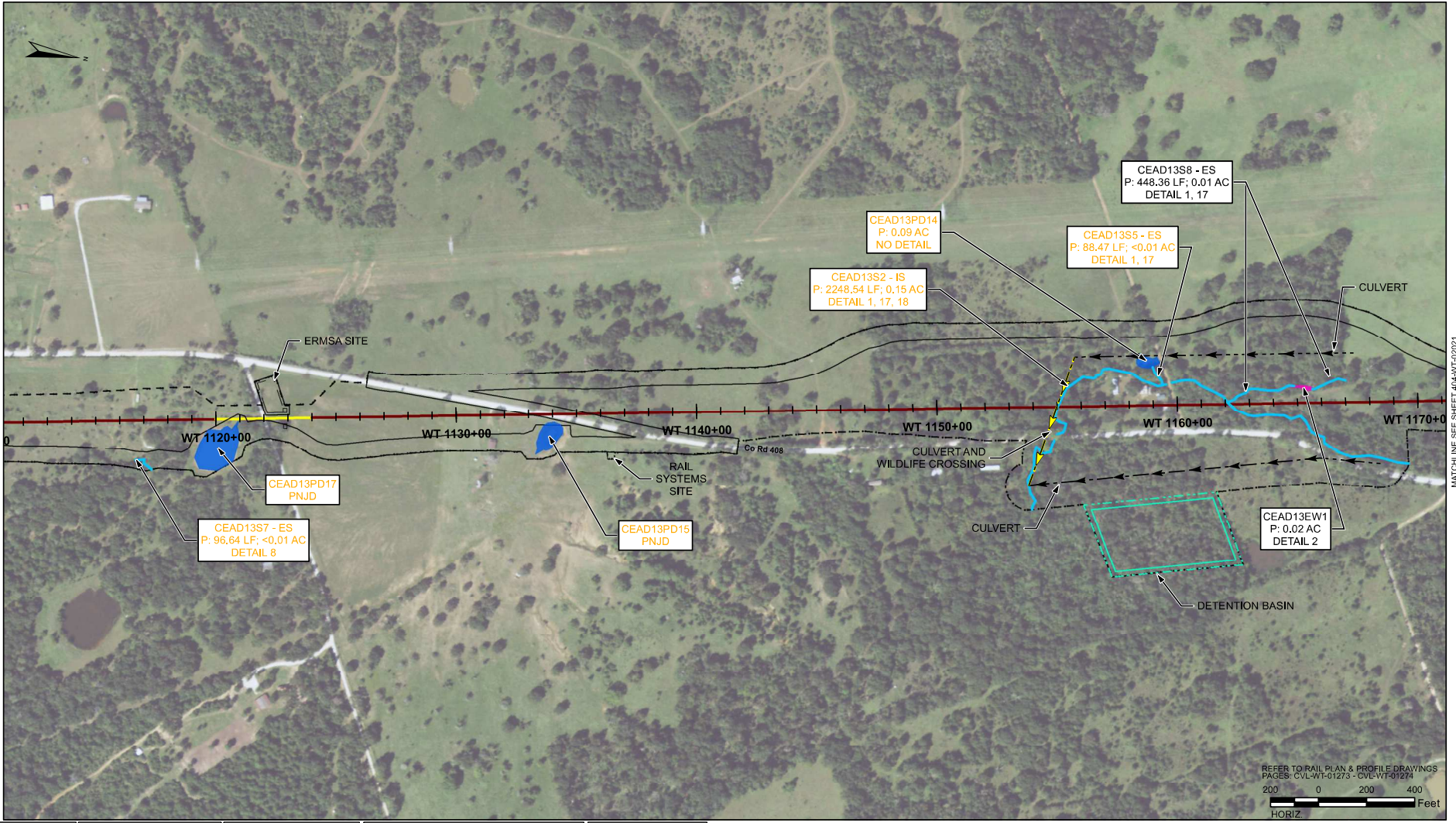
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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1053+35 TO WT 1113+31

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No 234180 | Drawing No 404-WT-02019 |
| Rev 02 | |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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. RESP. (ERMSA) | |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

PLAN

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 10. ONLY APPLIES IN USACE FORT WORTH DISTRICT.

| | | | | | |
|-------------------|------|----|-----|-------------|-------------|
| FINAL, REVISION 1 | | | | APPROVED BY | H. MYERS |
| FINAL, REVISION 2 | | | | DRAWN BY | M. KINZER |
| | | | | CHECKED BY | R. ALDREDGE |
| | | | | IN CHARGE | R. ZARATE |
| | | | | DATE | DEC. 2019 |
| REV | DATE | BY | CHK | APP | DESCRIPTION |

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

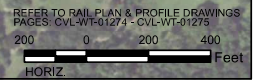
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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
**WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1111+19 TO WT 1171+16**

| | |
|----------------|----------------------|
| Scale | AS SHOWN |
| Drawing Status | NOT FOR CONSTRUCTION |
| JOB No | 234180 |
| Drawing No | 404-WT-02020 |
| Rev | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

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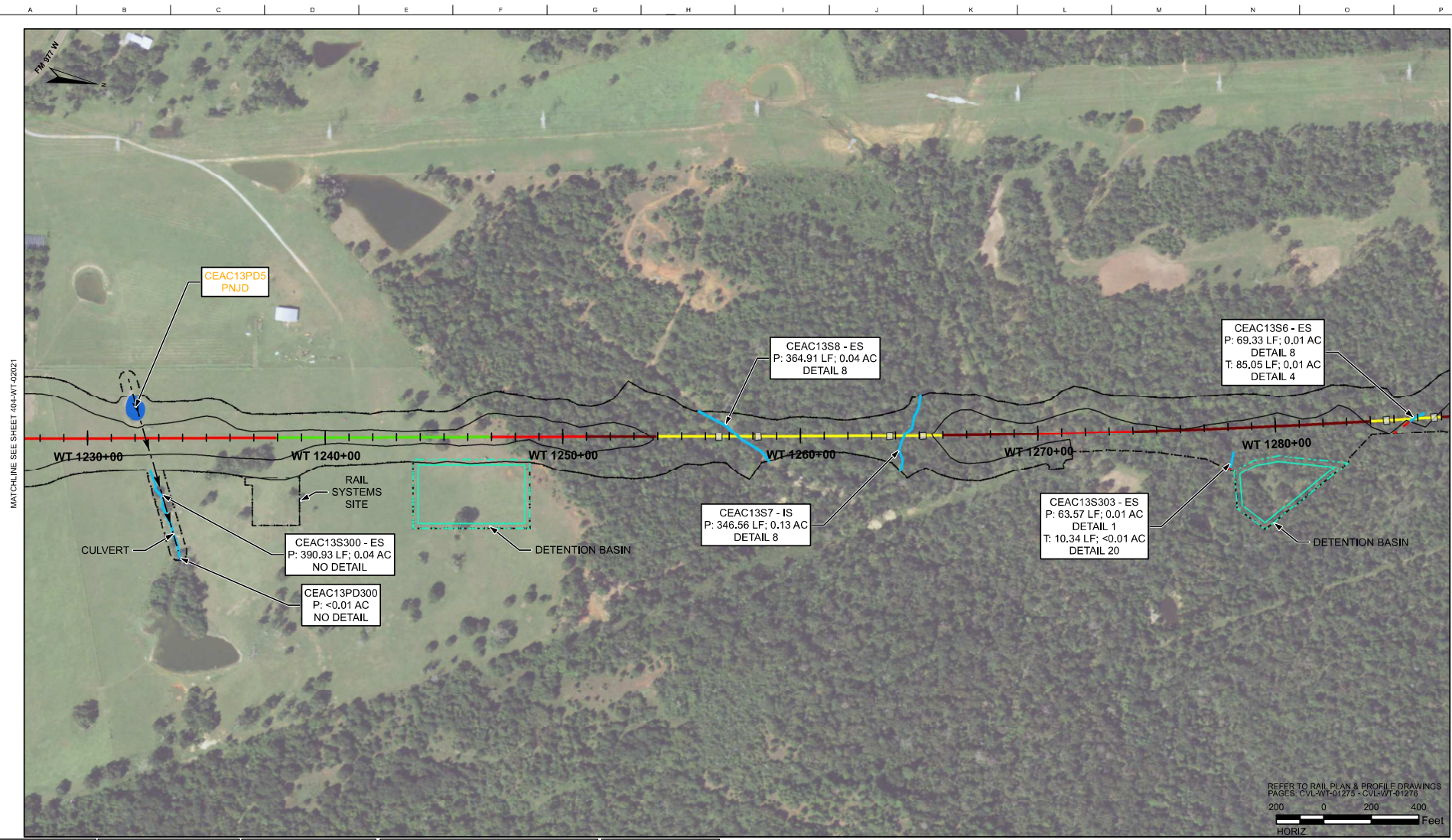
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 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1169+36 TO WT 1229+33

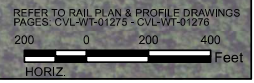
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| Scale | AS SHOWN |
| Drawing Status | NOT FOR CONSTRUCTION |
| JOB No. | 234180 |
| Drawing No. | 404-WT-02021 |
| Rev | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

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

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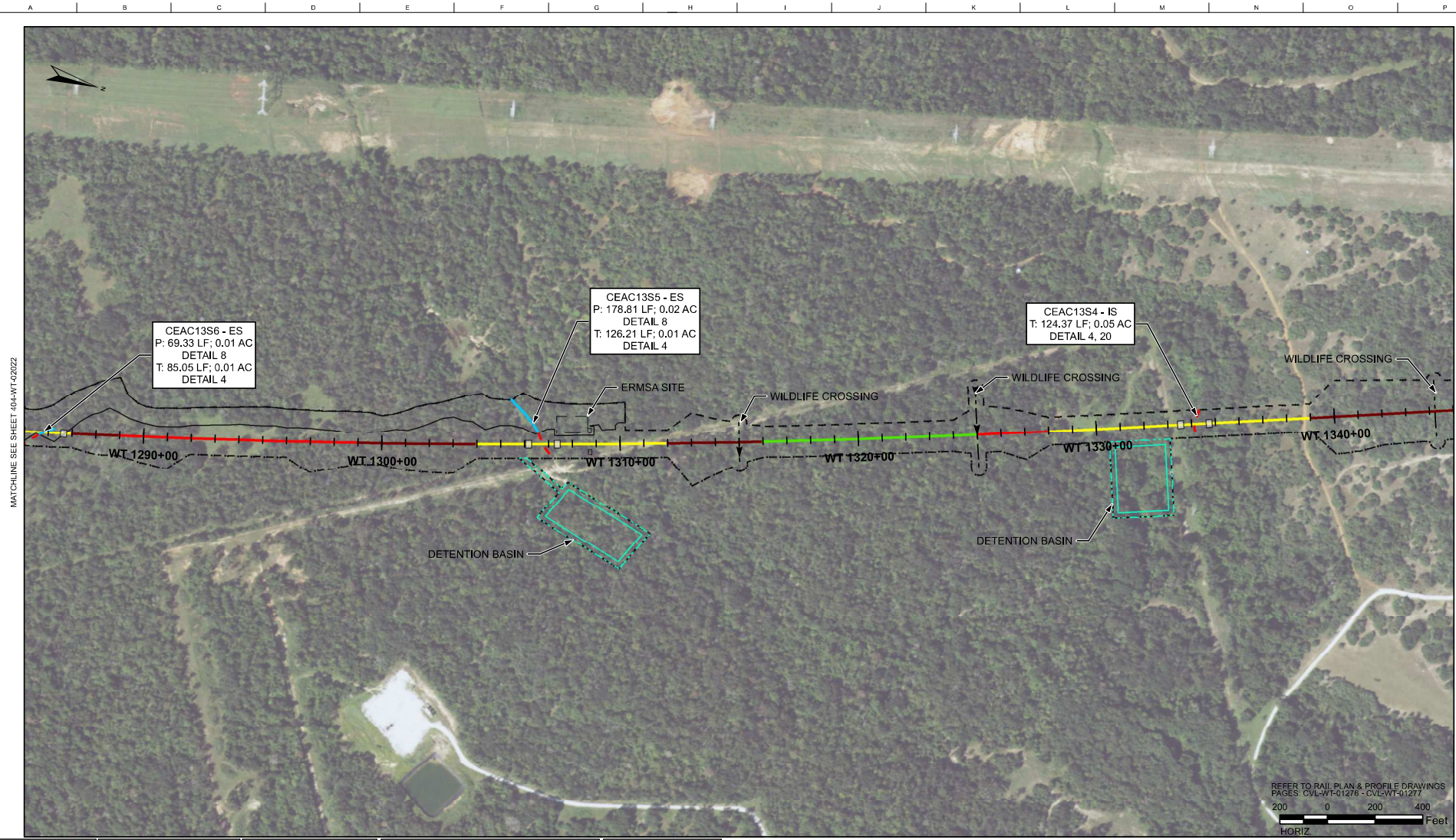
DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 1227+35 TO WT 1287+33

Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION

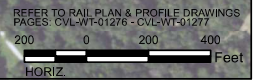
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| JOB No. | 234180 | Drawing No. | 404-WT-02022 | Rev. | 02 |
|---------|--------|-------------|--------------|------|----|



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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 | |

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

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

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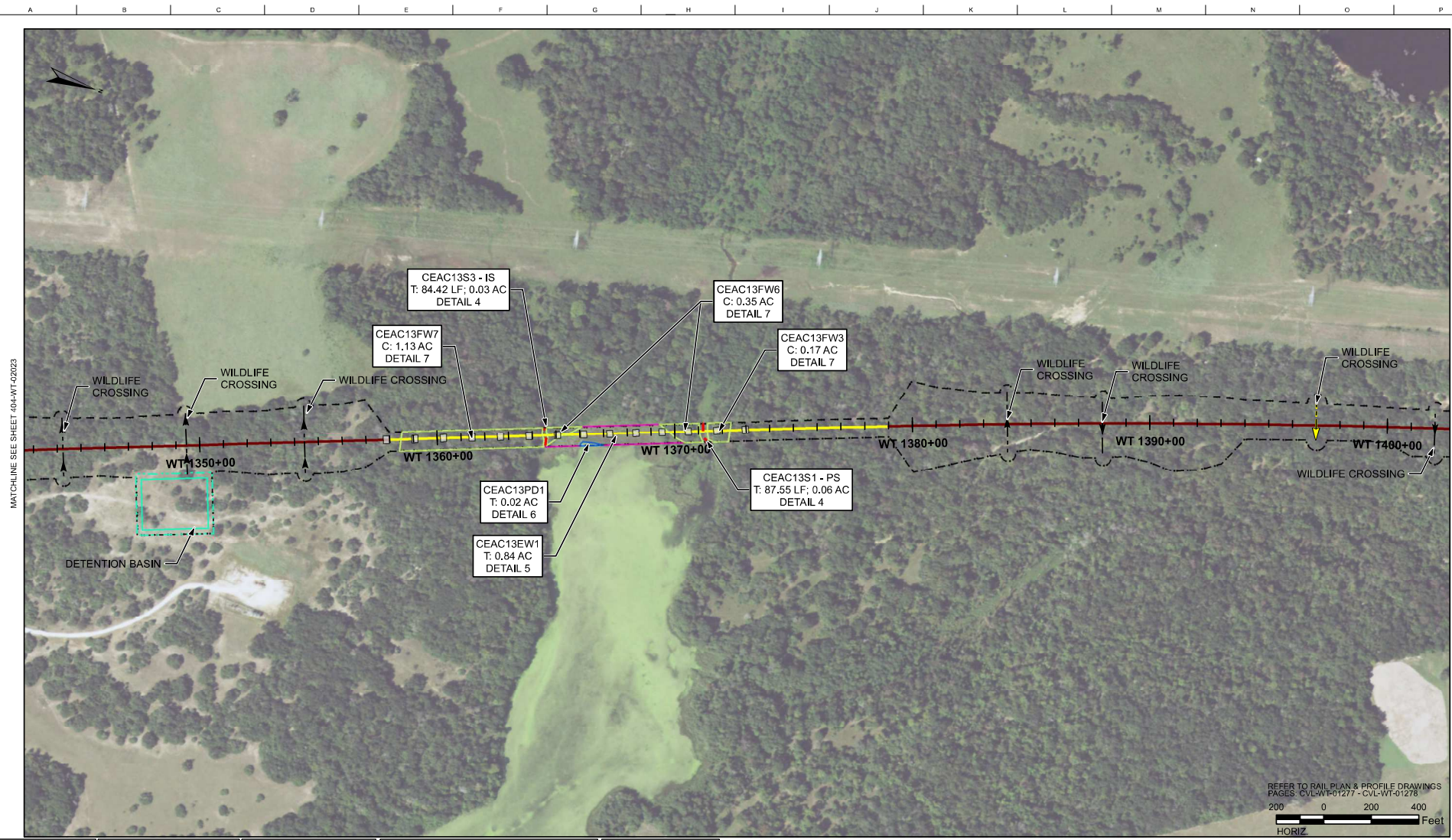
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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

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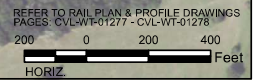
Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1285+00 TO WT 1345+00

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02023 |
| Rev 02 | |



MATCHLINE SEE SHEET 404-WT-02023

MATCHLINE SEE SHEET 404-WT-02025



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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| | | | |
|-------------------|--|-------------|-------------|
| FINAL, REVISION 1 | | DESIGNED BY | H. MYERS |
| FINAL, REVISION 2 | | DRAWN BY | M. KINZER |
| | | CHECKED BY | R. ALDREDGE |
| | | IN CHARGE | R. ZARATE |
| | | DATE | DEC. 2019 |

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

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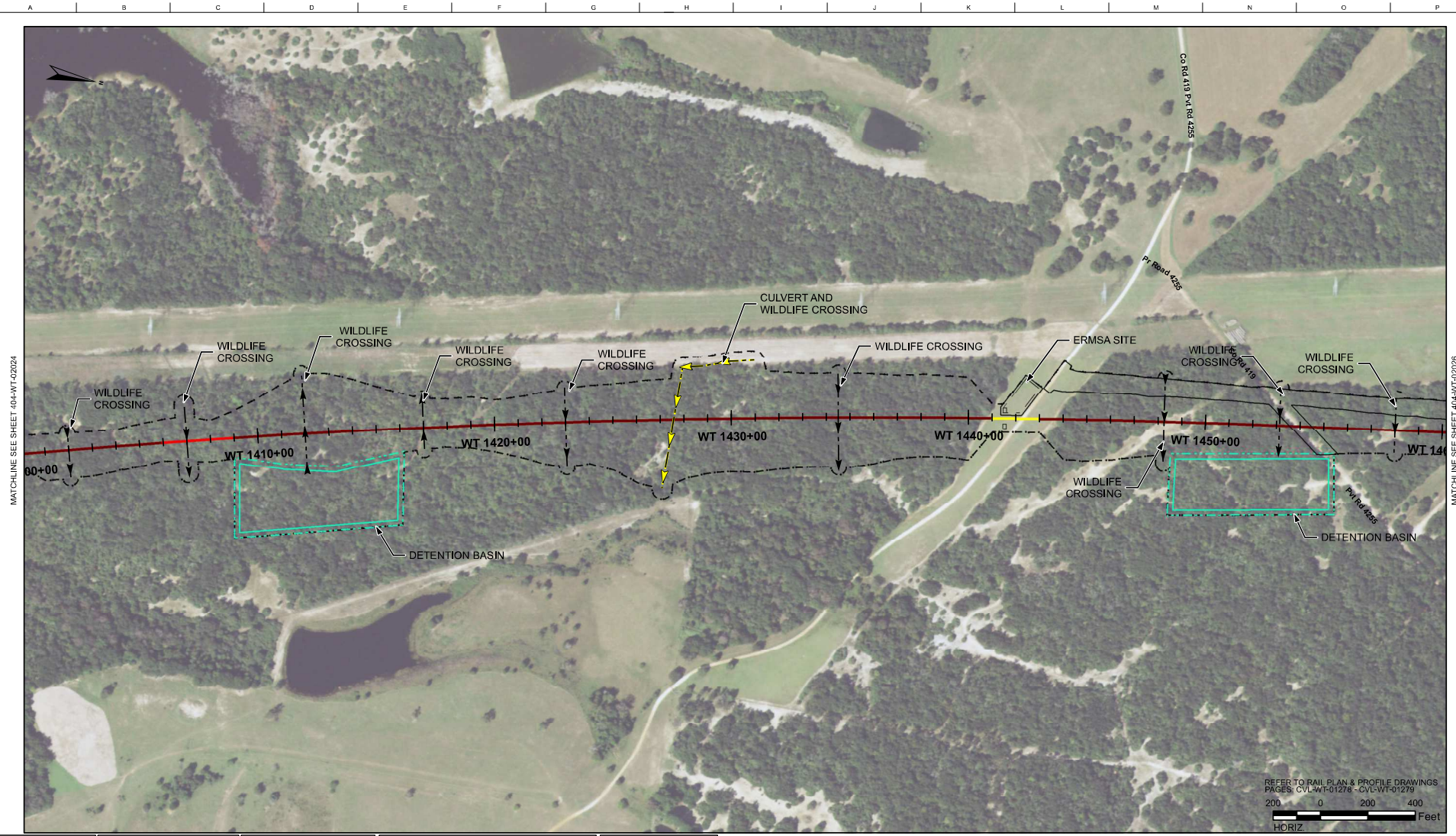
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 1342+63 TO WT 1402+61

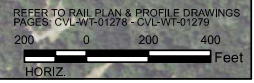
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| JOB No. | 234180 | Drawing No. | 404-WT-02024 | Rev. | 02 |
|---------|--------|-------------|--------------|------|----|



MATCHLINE SEE SHEET 404-WT-02024

MATCHLINE SEE SHEET 404-WT-02026



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - ROG |
| 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

- NOTES:
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
 - P = PERMANENT IMPACT
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 - IS = INTERMITTENT STREAM
 - PS = PERENNIAL STREAM
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 - UTILITY, TEMPORARY CONSTRUCTION AND CONSTRUCTION ALLOWANCE IMPACTS DO NOT REFERENCE A DETAIL.
 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

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

DESIGNED BY
H. MYERS

DRAWN BY
M. KINZER

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
DEC. 2019

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) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

FREESSE 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

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

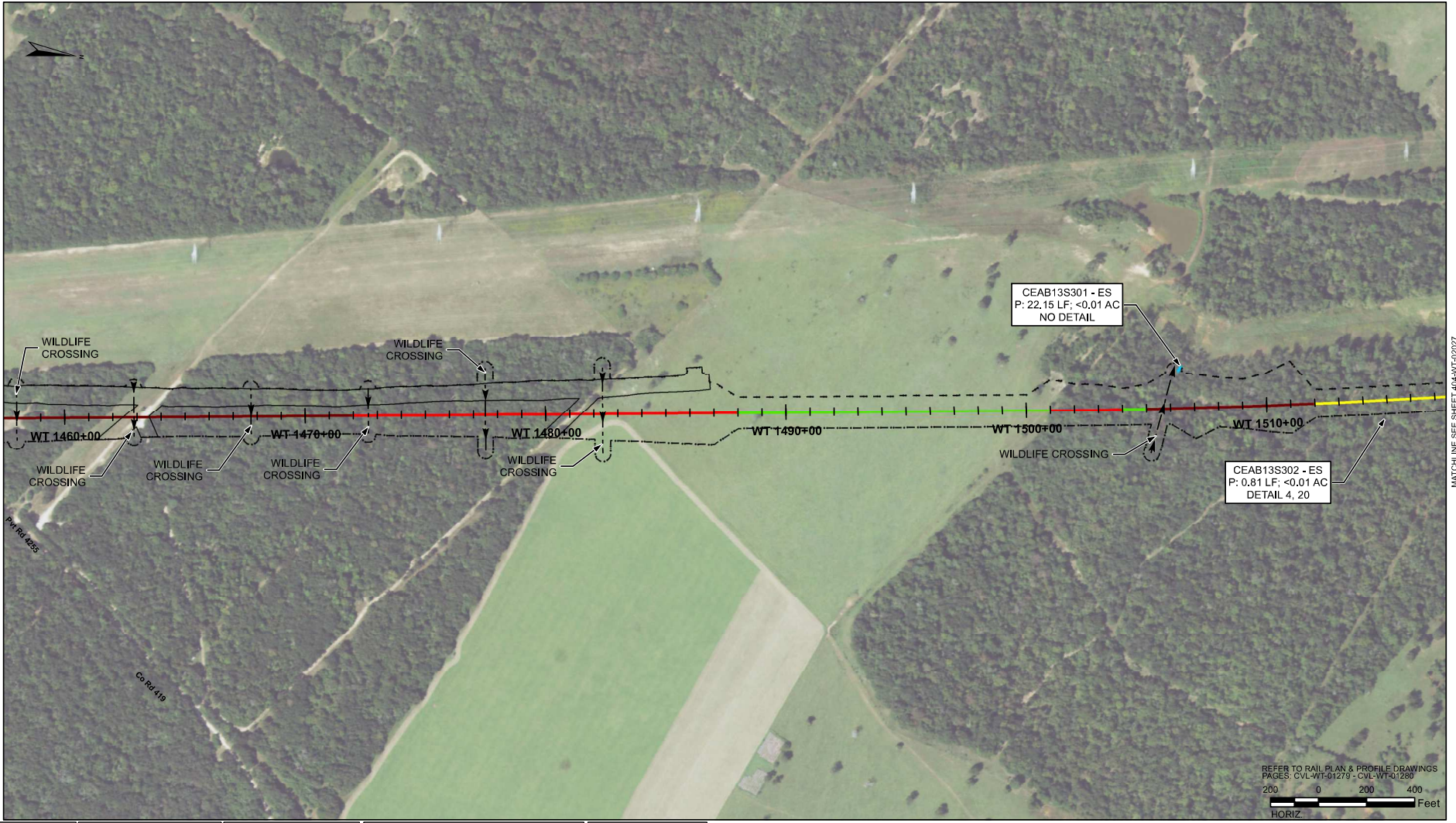
Drawing Title
WEST OF TEAGUE SEGMENT

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

PLAN VIEW (FRA SEG. 4)
 STA WT 1400+14 TO WT 1460+16

Job No. 234180
 Drawing No. 404-WT-02025
 Rev. 02



MATCHLINE SEE SHEET 404-WT-02025

MATCHLINE SEE SHEET 404-WT-02027

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

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

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

ARUP
 Arup Texas, Inc.
 10370 Westwood Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

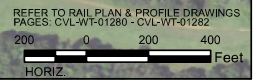
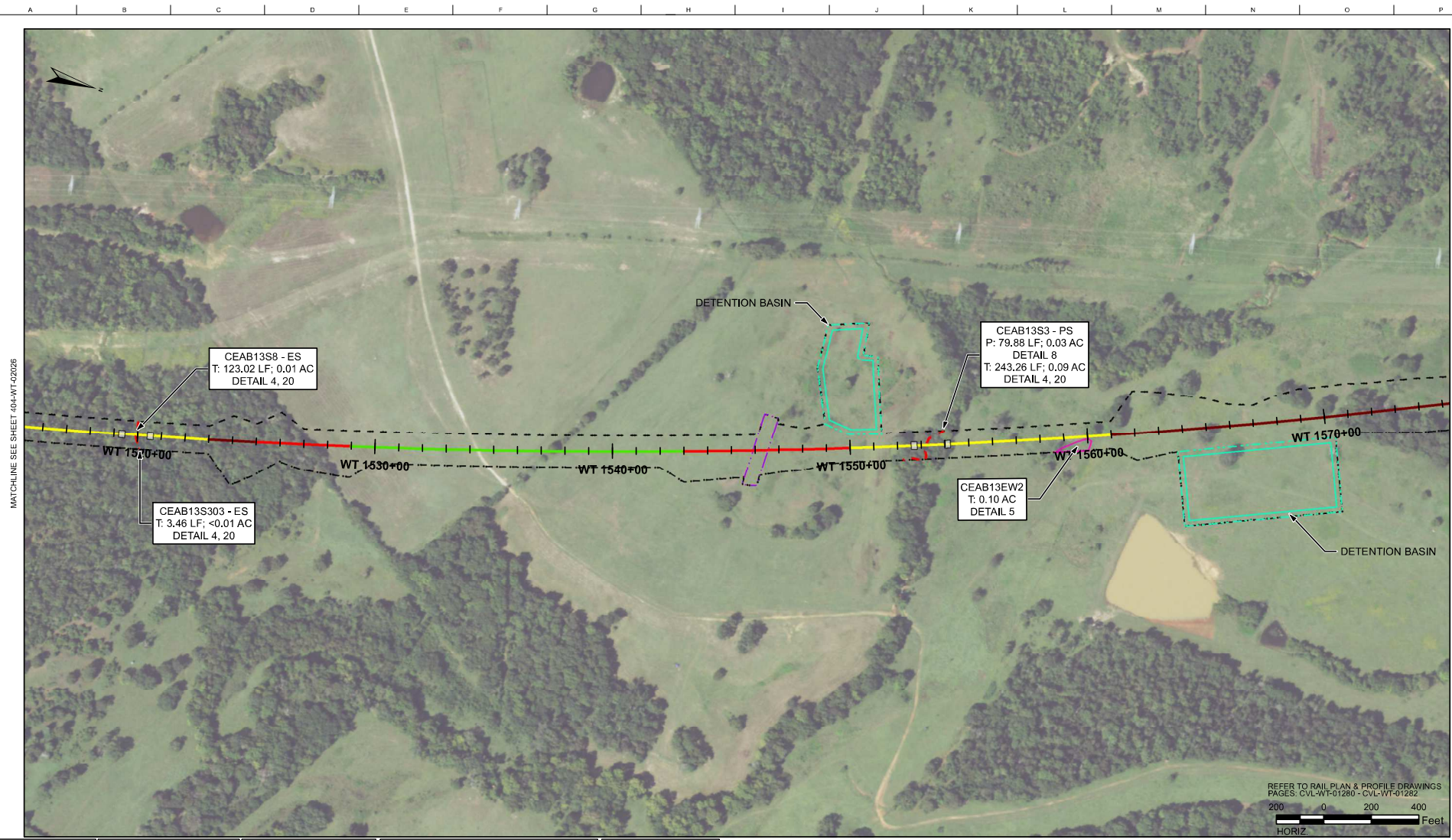
FREESSE NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1457+47 TO WT 1517+45

Scale: **AS SHOWN**
 Drawing Status: **NOT FOR CONSTRUCTION**
 Job No: 234180 Drawing No: 404-WT-02026 Rev: 02



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|-----|------|----|-----|-----|-------------------|
| | | | | | FINAL, REVISION 1 |
| | | | | | FINAL, REVISION 2 |

DESIGNED BY
H. MYERS

DRAWN BY
M. KINZER

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
DEC. 2019

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

ARUP
Arup Texas, Inc.
10370 Nicholson Ave., Suite 475
Houston, Texas 77042 USA
Tel (713) 783 2787 Fax (713) 434 1467
www.arup.com
Texas Registered Engineering Firm: F-1590

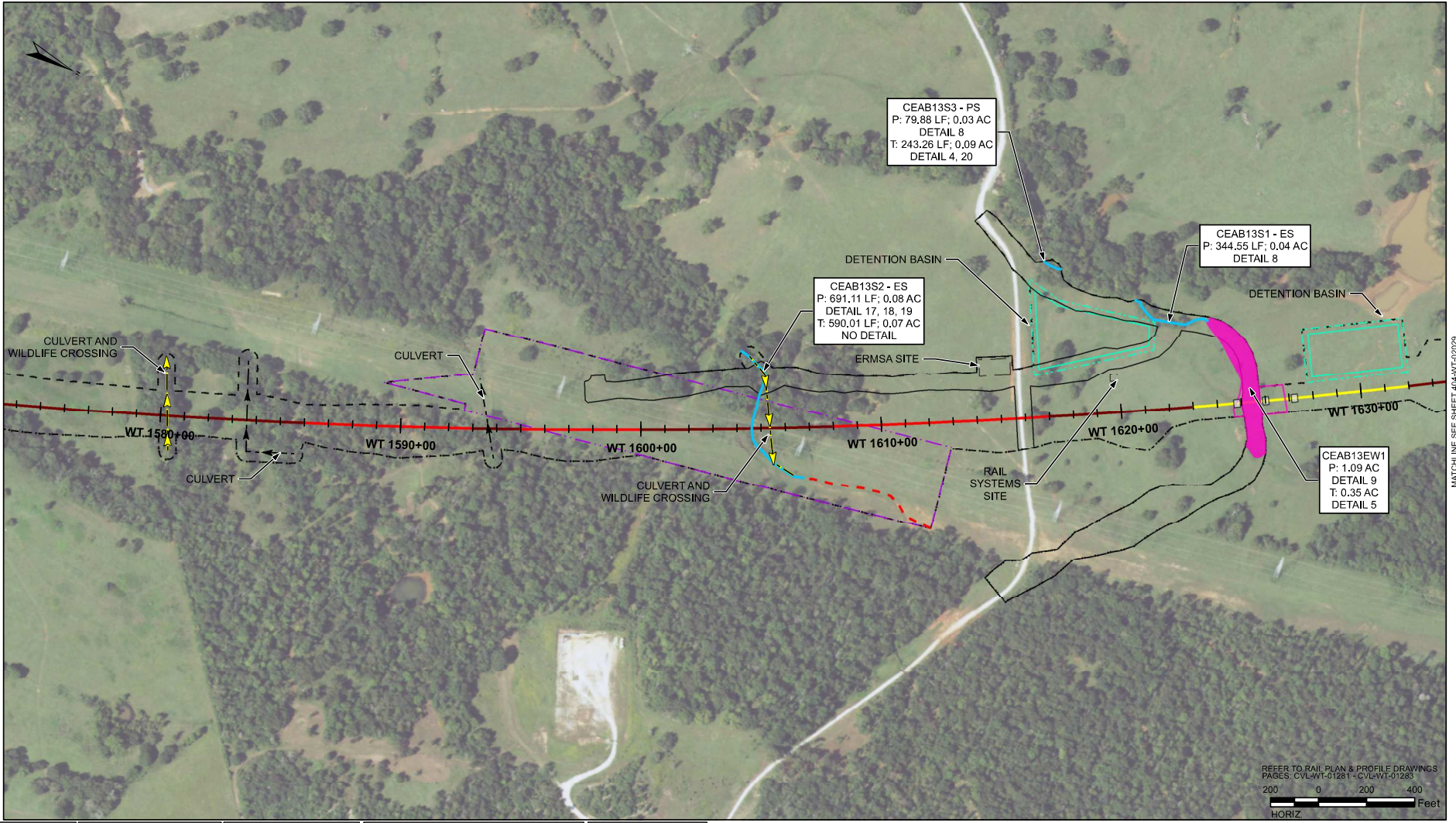
FREESSE NICHOLS
2711 North Haskell Ave., Suite 3300
Dallas, Texas 75204
Tel (214) 217 2200 Fax (214) 217 2201
www.fnco.com
Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

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

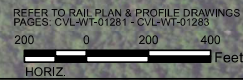
Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1515+22 TO WT 1575+29

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02027 |
| Rev 02 | |



MATCHLINE SEE SHEET 404-WT-02027

MATCHLINE SEE SHEET 404-WT-02029



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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| | |
|-------------|-------------|
| DESIGNED BY | H. MYERS |
| DRAWN BY | M. KINZER |
| CHECKED BY | R. ALDREDGE |
| IN CHARGE | R. ZARATE |
| DATE | DEC. 2019 |

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

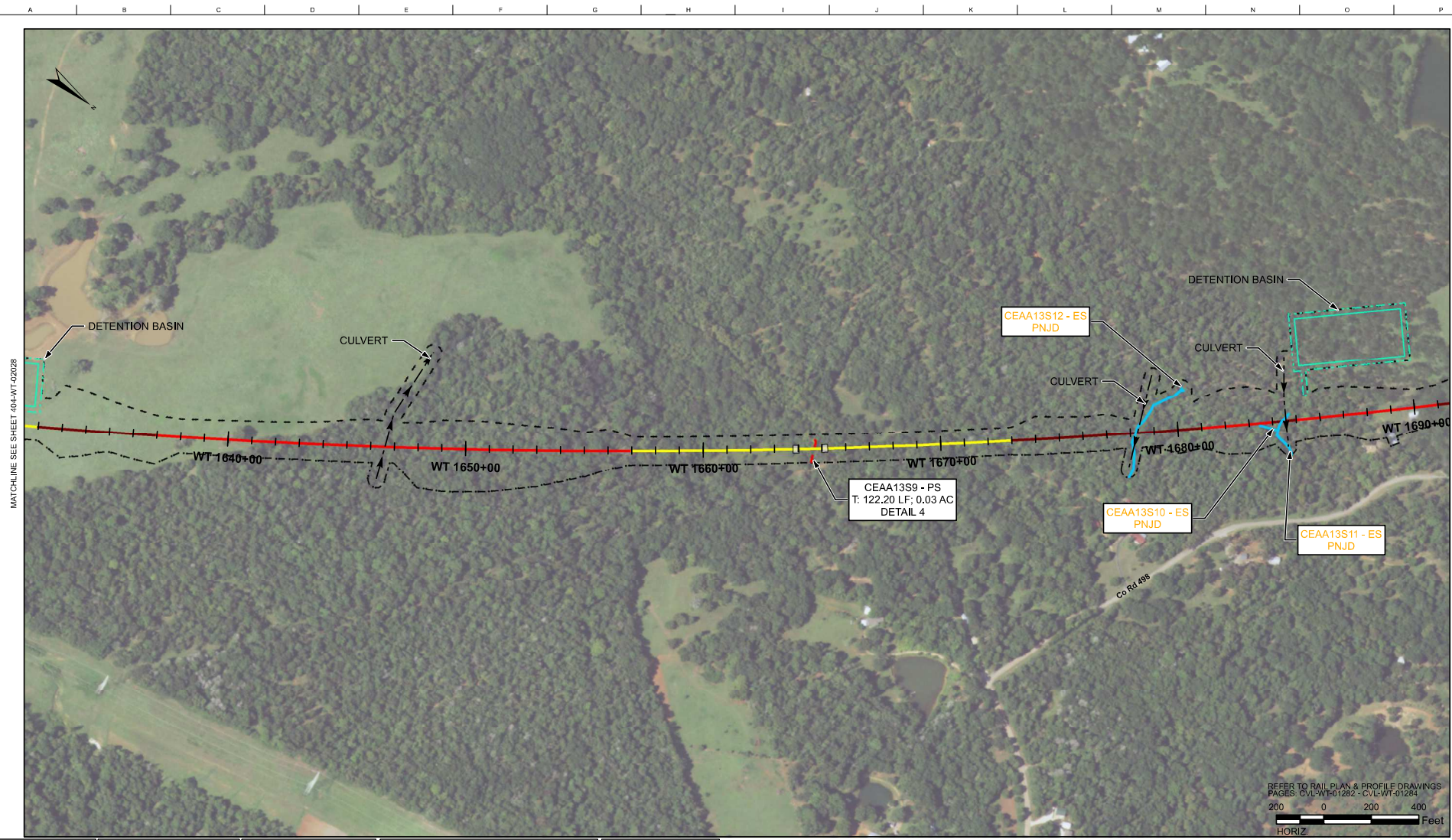
ARUP
 Arup Texas, Inc.
 10370 Westwood Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
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 Texas Registered Engineering Firm: F-1590

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

DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING

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

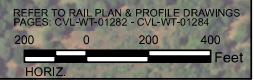
Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 1573+46 TO WT 1633+54
 Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION
 Job No: 234180 Drawing No: 404-WT-02028 Rev: 02



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|-----|------|----|-----|-----|-------------------|
| | | | | | FINAL, REVISION 1 |
| | | | | | FINAL, REVISION 2 |

DESIGNED BY
H. MYERS

DRAWN BY
M. KINZER

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
DEC. 2019

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

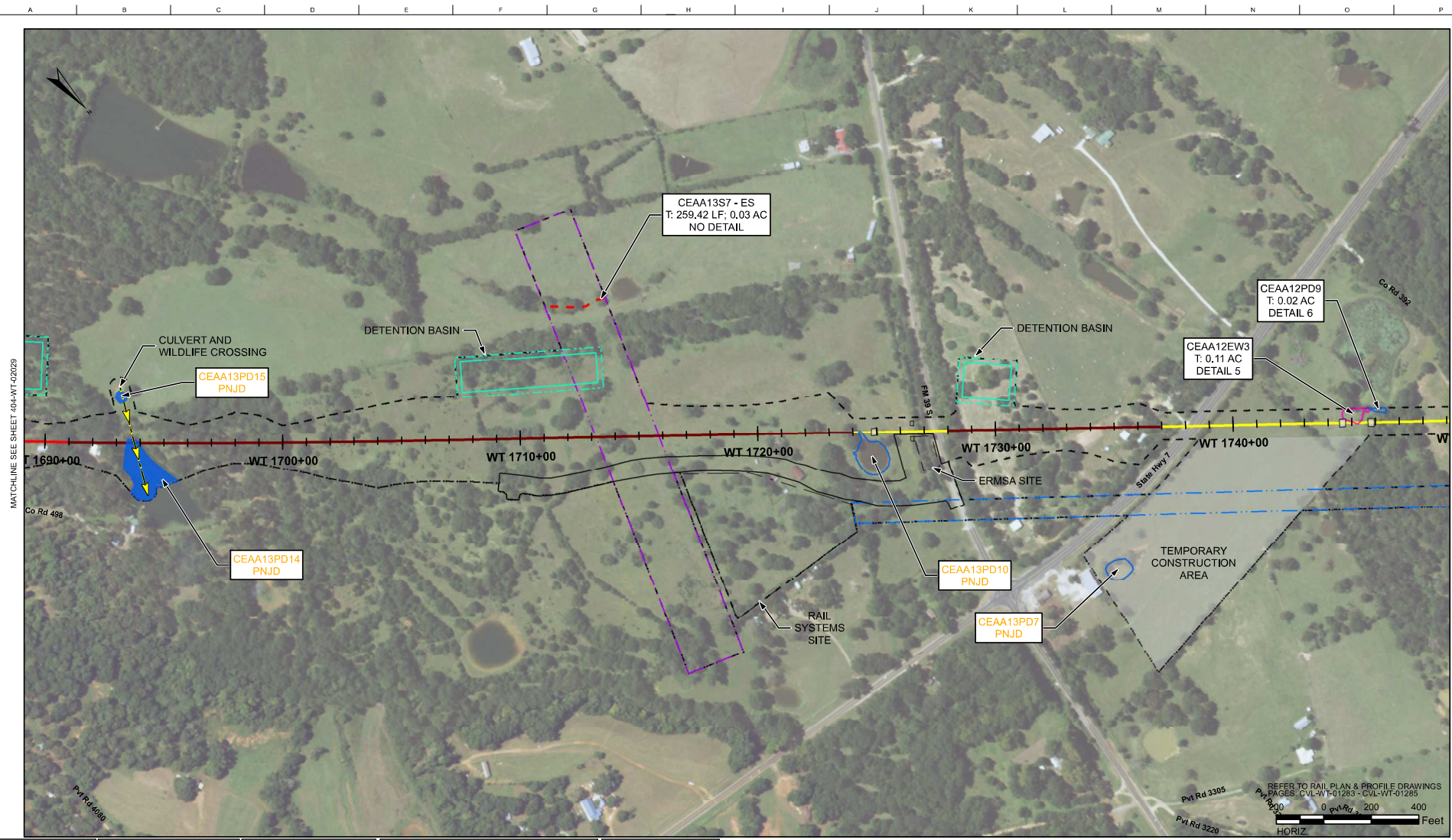
ARUP
Arup Texas, Inc.
10370 Northwood Ave., Suite 475
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Dallas, Texas 75204
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Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1631+40 TO WT 1691+47

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02029 |
| Rev 02 | |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

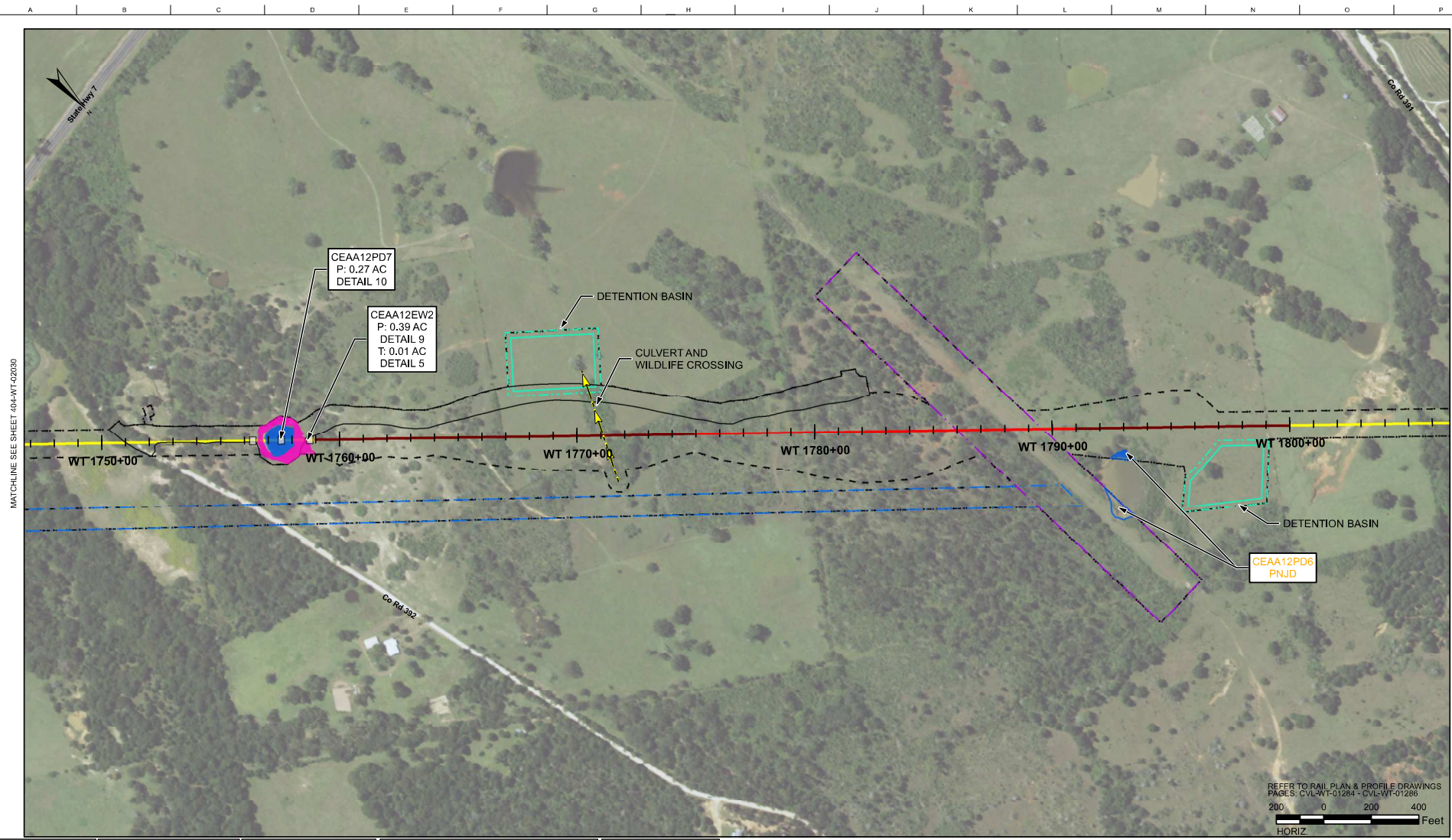
ARUP
 Arup Texas, Inc.
 10376 Northwest Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
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 Texas Registered Engineering Firm: F-1590

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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

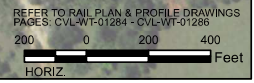
Scale: AS SHOWN
 Drawing Title: WEST OF TEAGUE SEGMENT
 Drawing Status: NOT FOR CONSTRUCTION
 PLAN VIEW (FRA SEG. 4)
 STA WT 1689+14 TO WT 1749+11
 Drawing No: 404-WT-02030
 Rev: 02



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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| | |
|----------------------------------|--|
| 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 DEC. 2019 | |

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 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

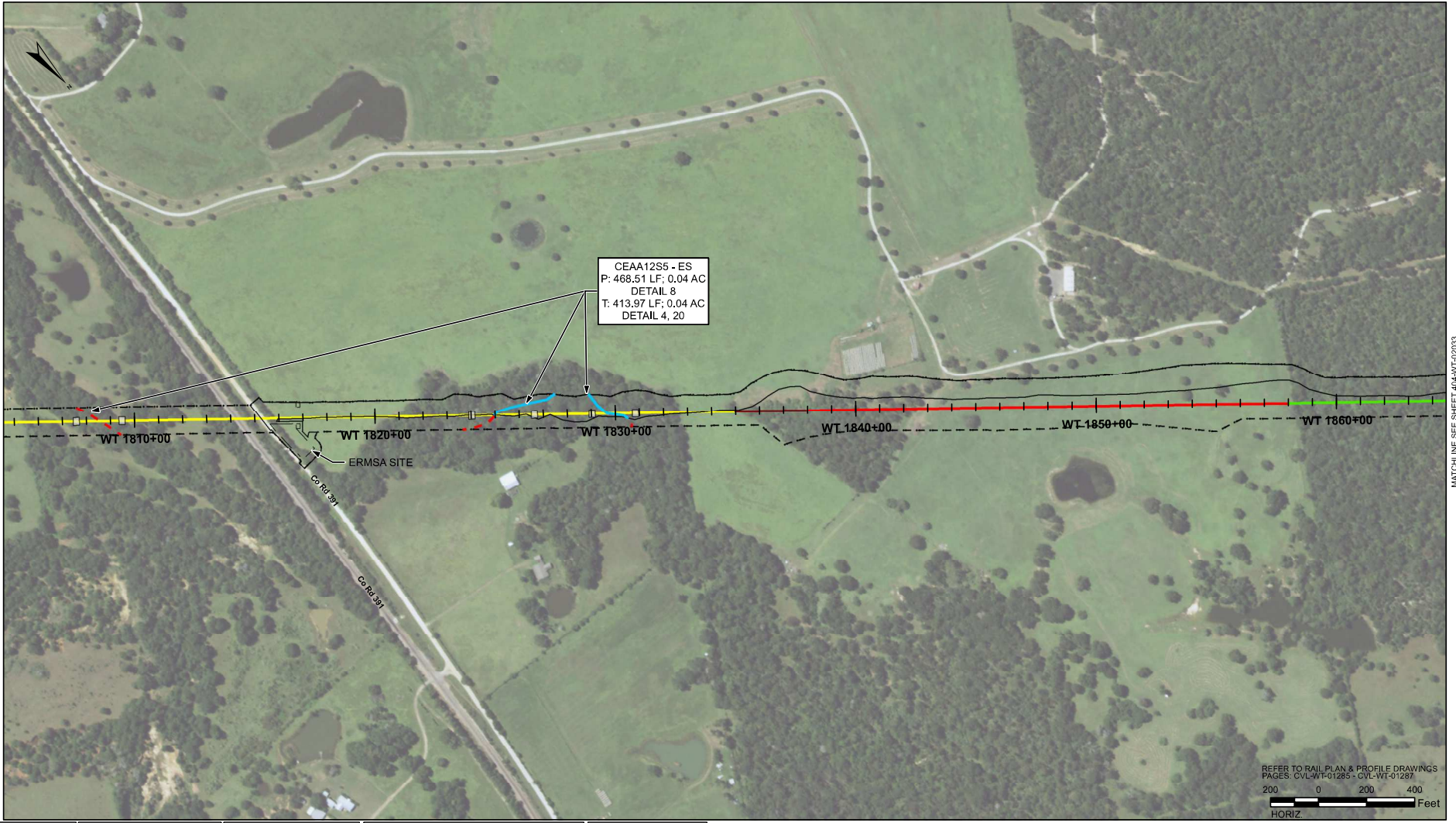
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1746+75 TO WT 1806+72

Scale
AS SHOWN

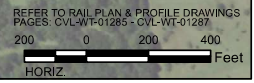
Drawing Status
NOT FOR CONSTRUCTION

| | | |
|---------|--------------|------|
| JOB No. | Drawing No. | Rev. |
| 234180 | 404-WT-02031 | 02 |



MATCHLINE SEE SHEET 404-WT-02031

MATCHLINE SEE SHEET 404-WT-02033



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

ARUP
 Arup Texas, Inc.
 10370 Northwest Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

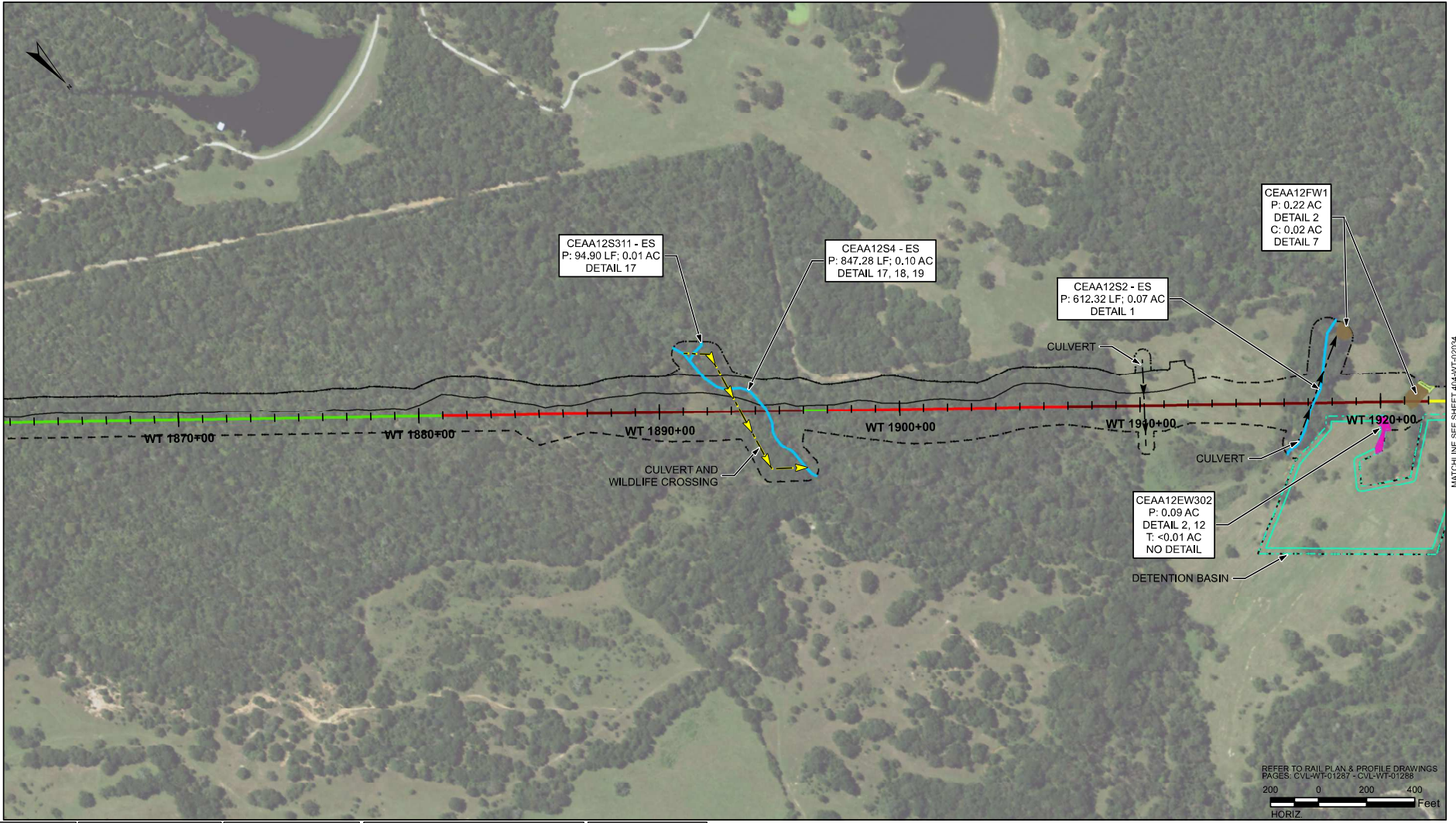
FREESSE NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.freesse-nichols.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

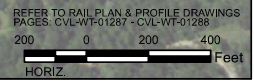
Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1804+57 TO WT 1864+54

| | |
|----------------|----------------------|
| Scale | AS SHOWN |
| Drawing Status | NOT FOR CONSTRUCTION |
| JOB No. | 234180 |
| Drawing No. | 404-WT-02032 |
| Rev | 02 |



MATCHLINE SEE SHEET 404-WT-02032

MATCHLINE SEE SHEET 404-WT-02034



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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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 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

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

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

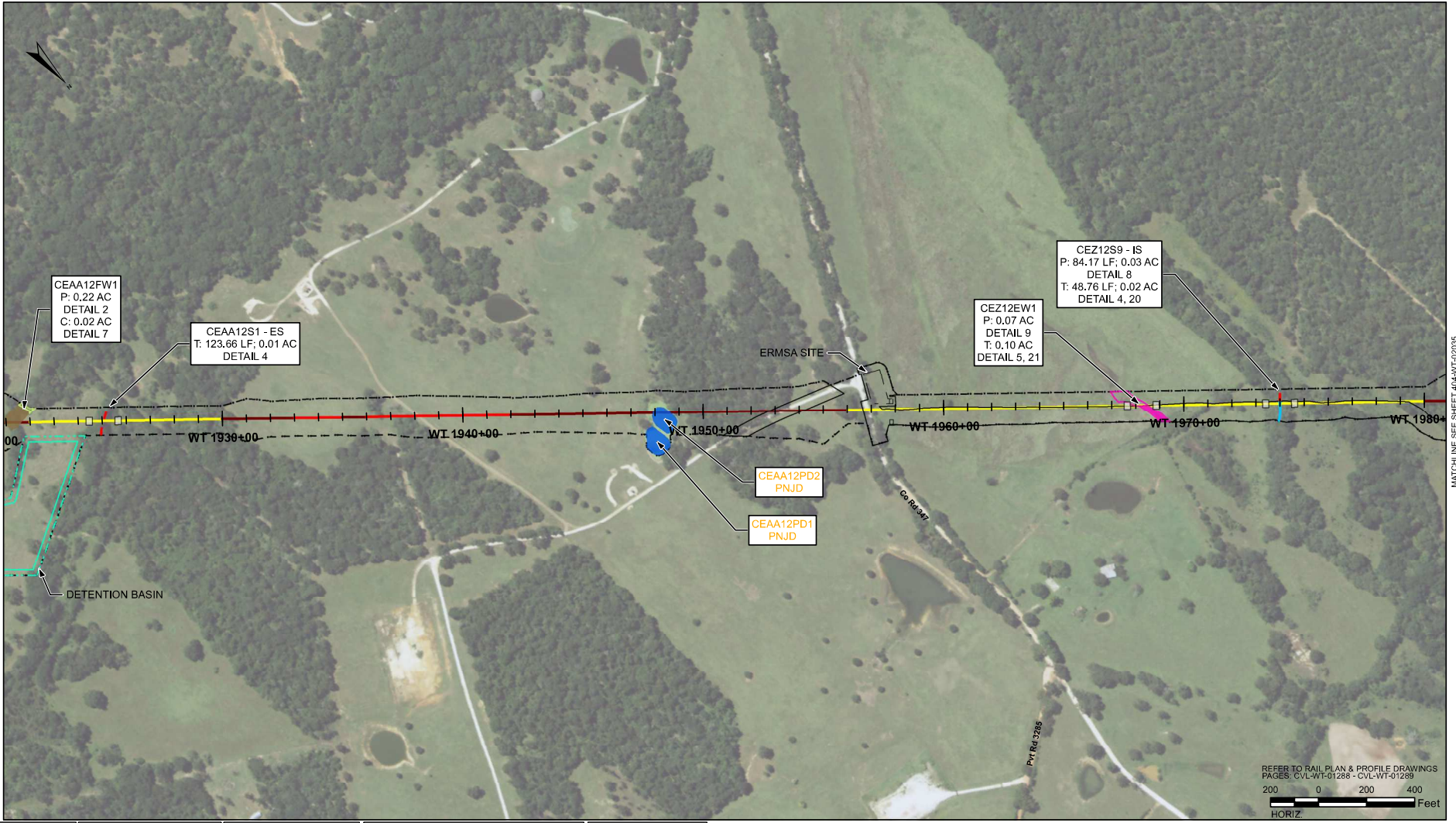
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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

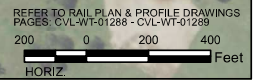
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION
 Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 1862+74 TO WT 1922+72
 Drawing No: 404-WT-02033
 Rev: 02



MATCHLINE SEE SHEET 404-WT-02033

MATCHLINE SEE SHEET 404-WT-02035



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

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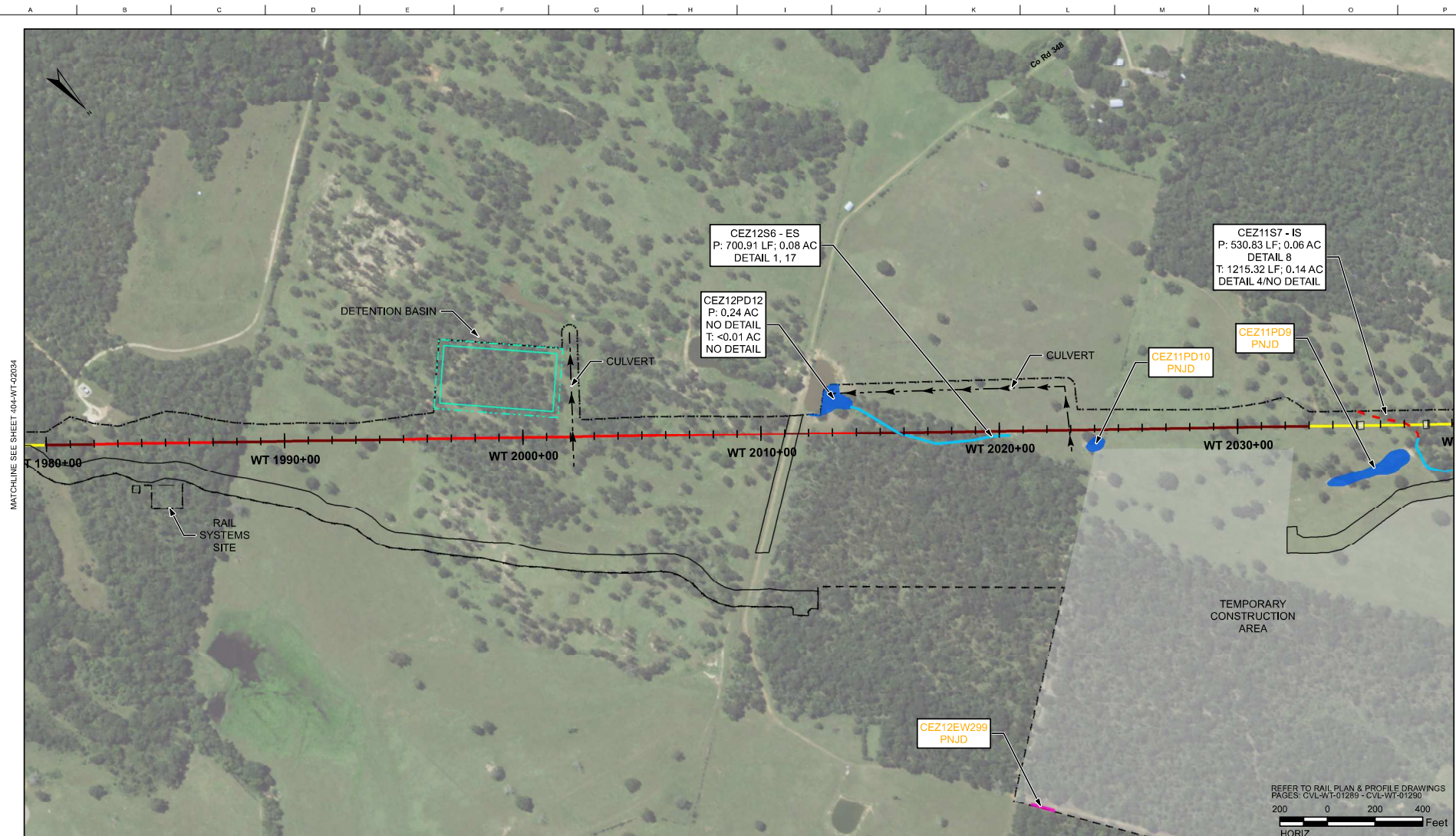
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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

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

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1920+92 TO WT 1980+89

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02034 |
| Rev 02 | |



REFER TO RAIL PLAN & PROFILE DRAWINGS
 PAGES: CUL-WT-01289 - CUL-WT-01290
 200 0 200 400
 HORIZ Feet

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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| DRAWN BY M. KINZER | FINAL, REVISION 2 |
| CHECKED BY R. ALDREDGE | |
| IN CHARGE R. ZARATE | |
| DATE DEC. 2019 | |

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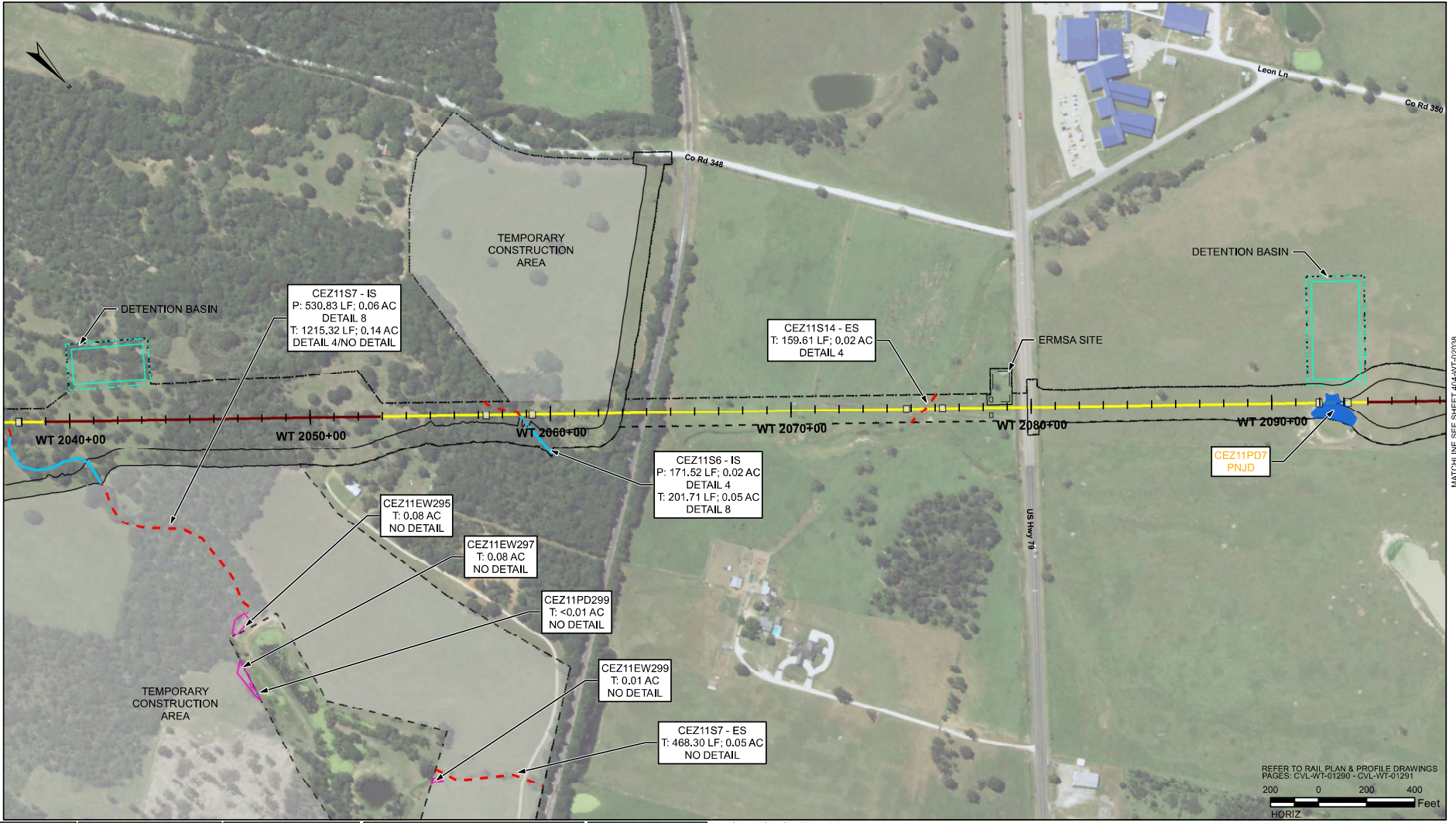
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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 1979+09 TO WT 2039+06

Scale
AS SHOWN
 Drawing Status
NOT FOR CONSTRUCTION
 Job No. 234180 Drawing No. 404-WT-02035 Rev. 02



MATCHLINE SEE SHEET 404-WT-02035

MATCHLINE SEE SHEET 404-WT-02038

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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 | |

MATCHLINE SEE SHEET 404-WT-02037

PLAN

NOTES:

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

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

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

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 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title:
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2037+27 TO WT 2097+24

Scale:
AS SHOWN
 Drawing Status:
NOT FOR CONSTRUCTION

| | | |
|--------|--------------|-----|
| JOB NO | Drawing No | Rev |
| 234180 | 404-WT-02036 | 02 |



MATCHLINE SEE SHEET 404-WT-02036

TEMPORARY CONSTRUCTION AREA

CEZ11EW298
P: 0.03 AC
DETAIL 16
T: 0.26 AC
NO DETAIL

CEZ11EW296
PNJD

CEZ11EW294
T: 0.25 AC
NO DETAIL

CEZ12S11-ES
P: 82.50 LF; 0.01 AC
DETAIL 14

Co Rd 3461

Co Rd 3300

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

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

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PLAN

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

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

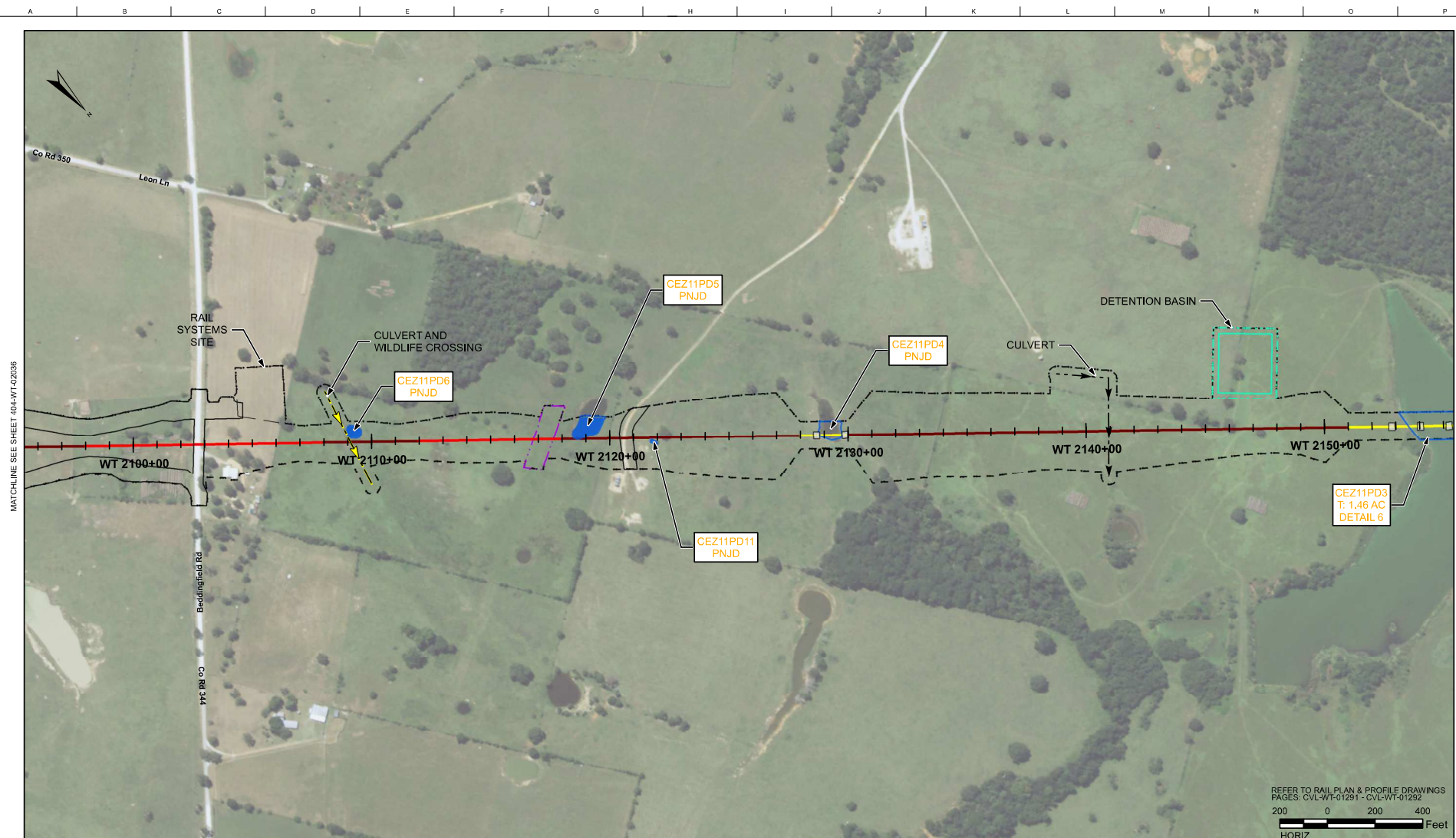
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DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

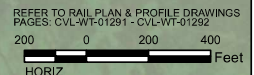
Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
MATCHLINE 404-WT-02036

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No 234180 | Drawing No 404-WT-02037 |
| Rev 02 | |



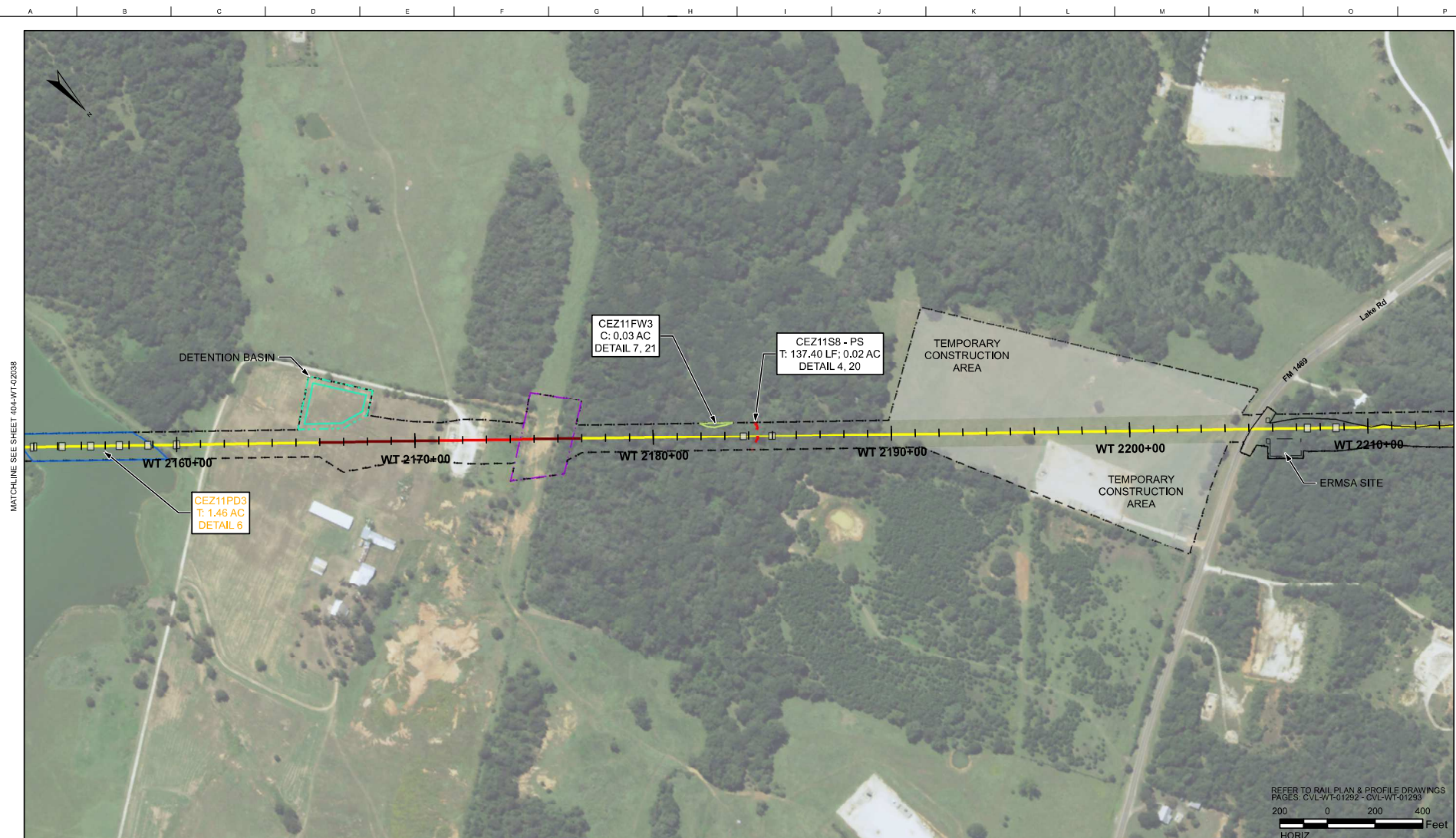
MATCHLINE SEE SHEET 404-WT-02036

MATCHLINE SEE SHEET 404-WT-02039



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

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REFER TO RAIL PLAN & PROFILE DRAWINGS
 PAGES: CVL-WT-01292 - CVL-WT-01293
 200 0 200 400
 HORIZ Feet

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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) | |
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| DRAWN BY M. KINZER | FINAL, REVISION 2 |
| CHECKED BY R. ALDREDGE | |
| IN CHARGE R. ZARATE | |
| DATE DEC. 2019 | |

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

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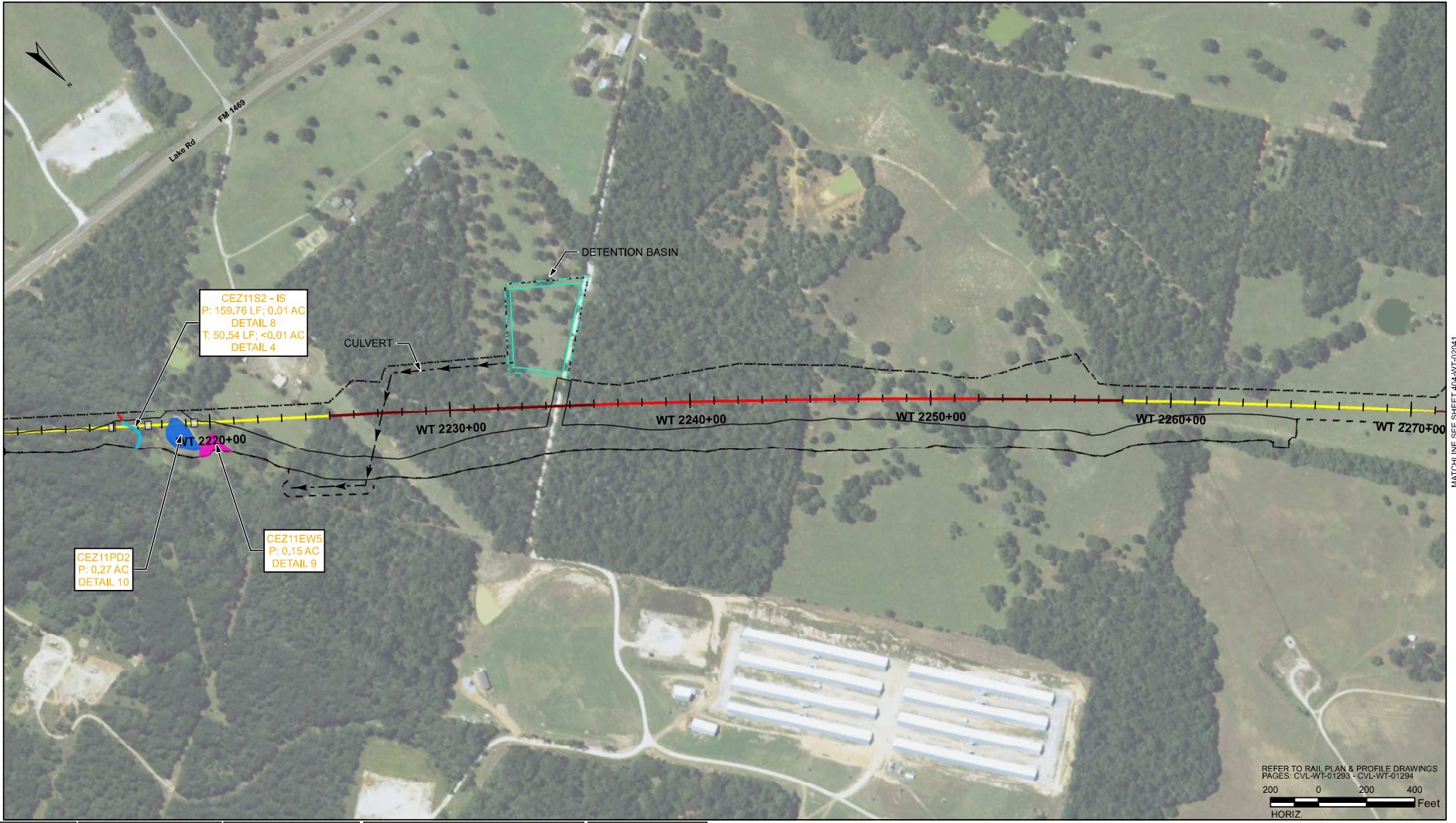
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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

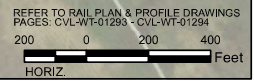
Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2153+62 TO WT 2213+59

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02039 |
| Rev 02 | |



MATCHLINE SEE SHEET 404-WT-02039

MATCHLINE SEE SHEET 404-WT-02041



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| EMBANKMENT | FORESTED WETLAND | POND | PERMANENT UTILITIES IMPACTS | CULVERT FLOW - OPEN BOTTOM |
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| FINAL, REVISION 1 | | DESIGNED BY H. MYERS |
| FINAL, REVISION 2 | | DRAWN BY M. KINZER |
| | | CHECKED BY R. ALDREDGE |
| | | IN CHARGE R. ZARATE |
| | | DATE DEC. 2019 |

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

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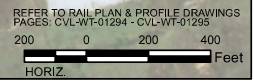
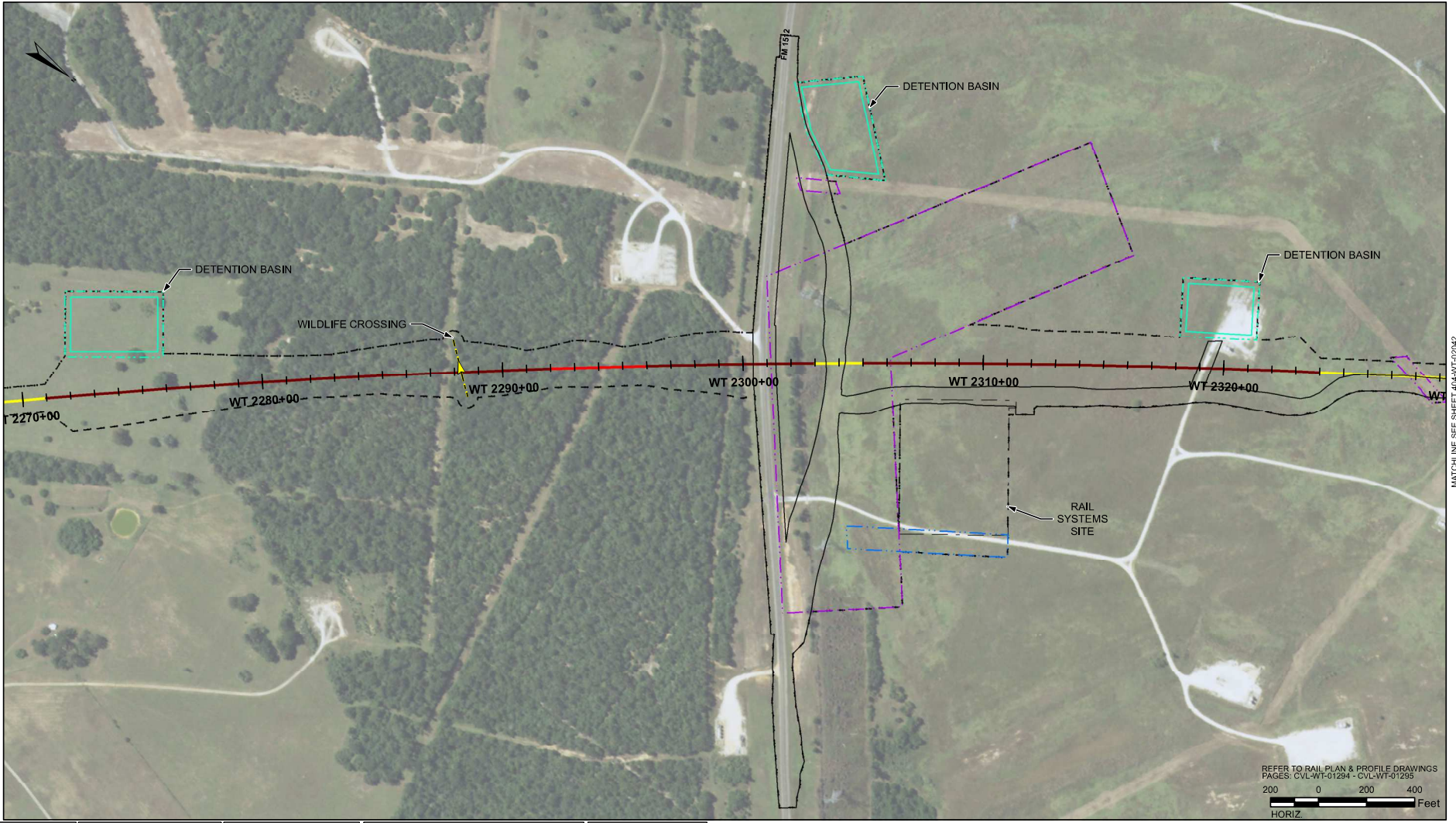
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2211+44 TO WT 2271+45

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

| | | |
|-------------------|-----------------------------|------------|
| JOB No. 234180 | Drawing No. 404-WT-02040 | Rev. 02 |
|-------------------|-----------------------------|------------|



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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. (ERMISA) | |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

PLAN

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

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

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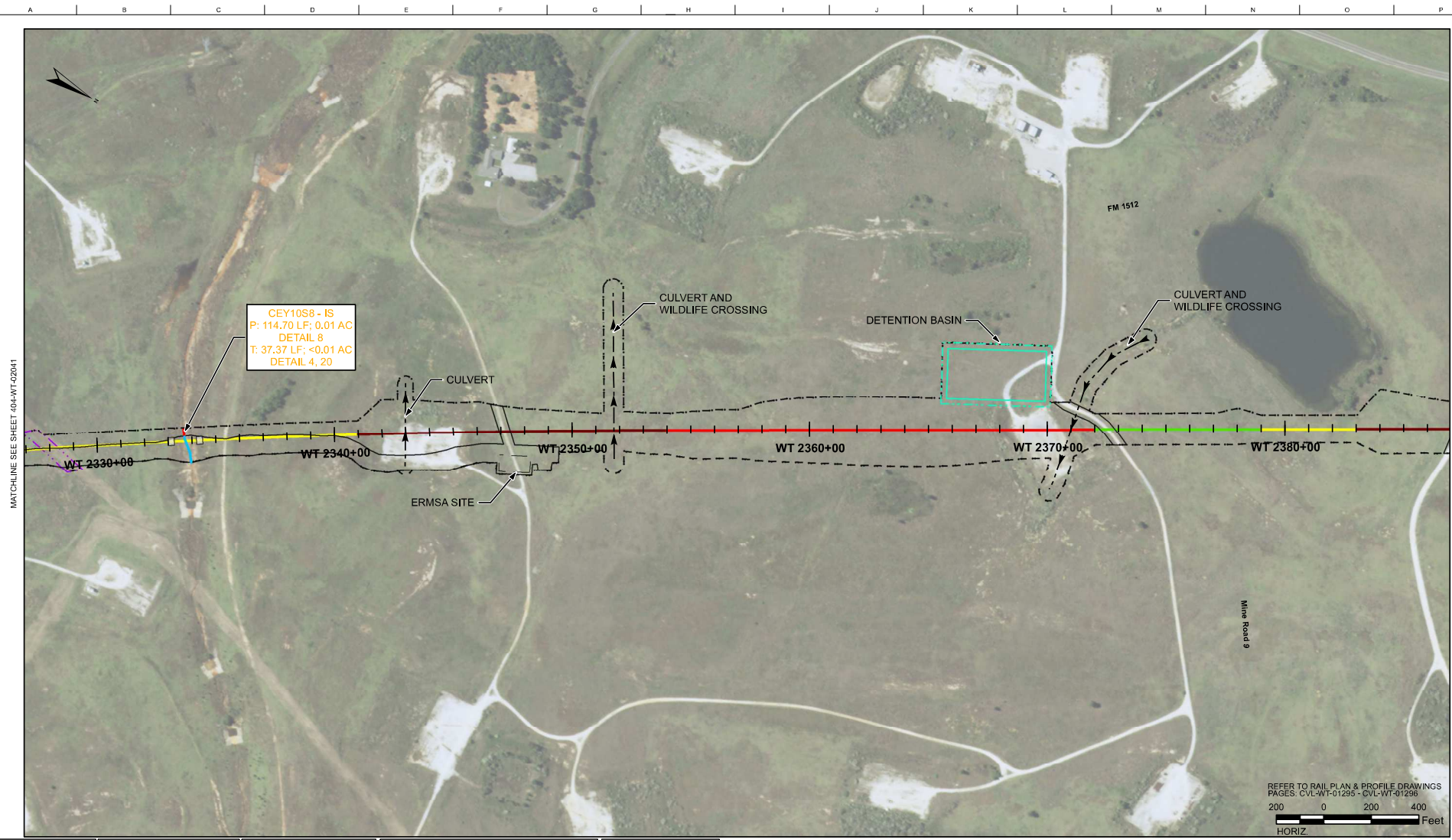
DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

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

Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 2269+20 TO WT 2329+23

Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION

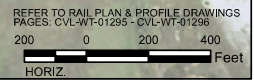
| | | | | | |
|---------|--------|-------------|--------------|------|----|
| JOB No. | 234180 | Drawing No. | 404-WT-02041 | Rev. | 02 |
|---------|--------|-------------|--------------|------|----|



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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. (ERMISA) | |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

PLAN

- NOTES:
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 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.



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

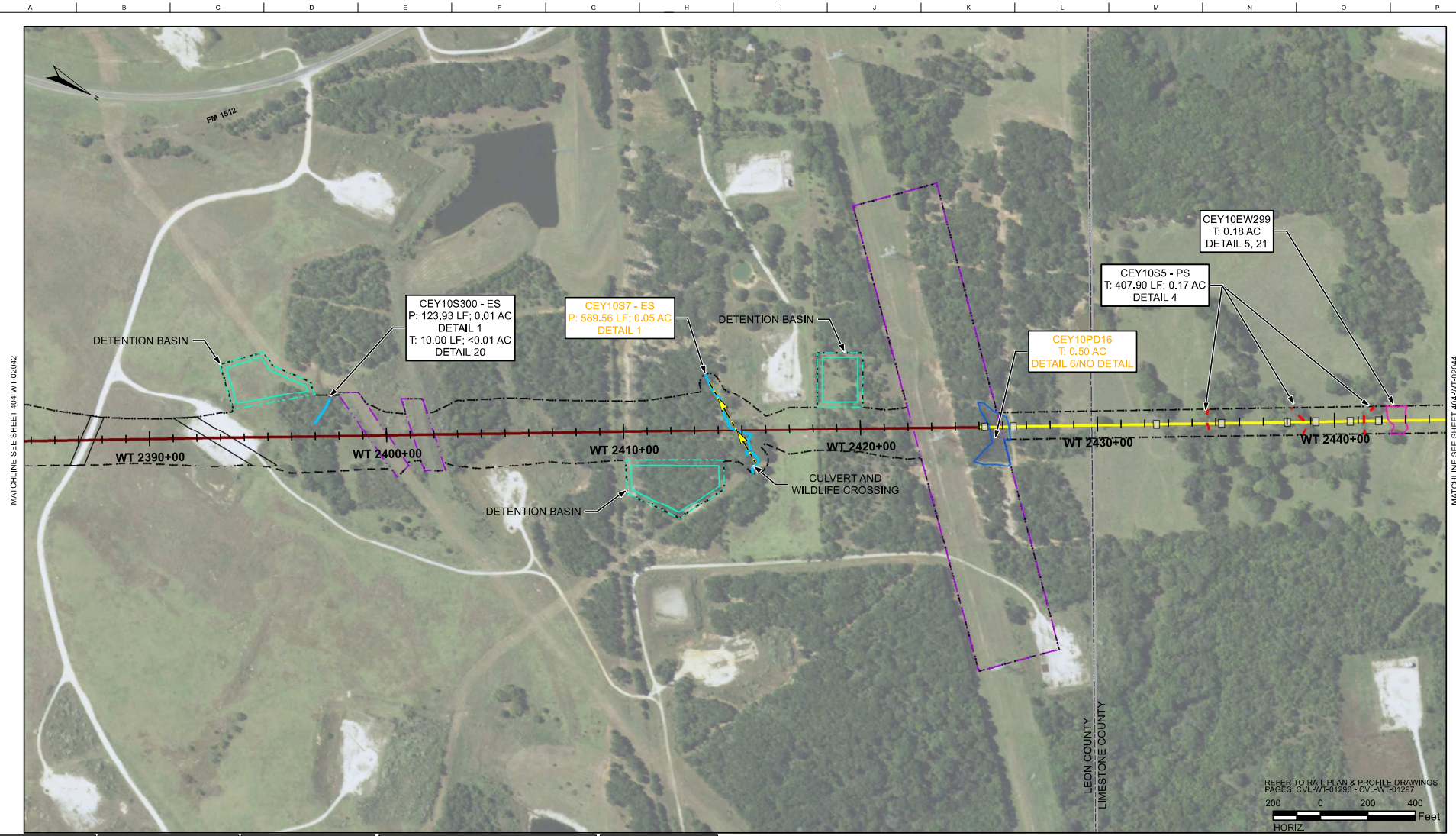
DALLAS TO HOUSTON
HIGH-SPEED RAIL
APPLICANT: TORR
SWF-2011-00483

ARUP
Arup Texas, Inc.
10370 Northwood Ave., Suite 475
Houston, Texas 77042 USA
Tel (713) 783 2787 Fax (713) 434 1467
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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

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

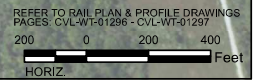
Drawing Title: **WEST OF TEAGUE SEGMENT**
Scale: **AS SHOWN**
Drawing Status: **NOT FOR CONSTRUCTION**
Drawing No: **PLAN VIEW (FRA SEG. 4)**
STA WT 2326+94 TO WT 2386+93
Drawing No: **404-WT-02042**
Rev: **02**



MATCHLINE SEE SHEET 404-WT-02042

MATCHLINE SEE SHEET 404-WT-02044

LEON COUNTY
LIMESTONE COUNTY



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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

- NOTES:
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 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

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

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

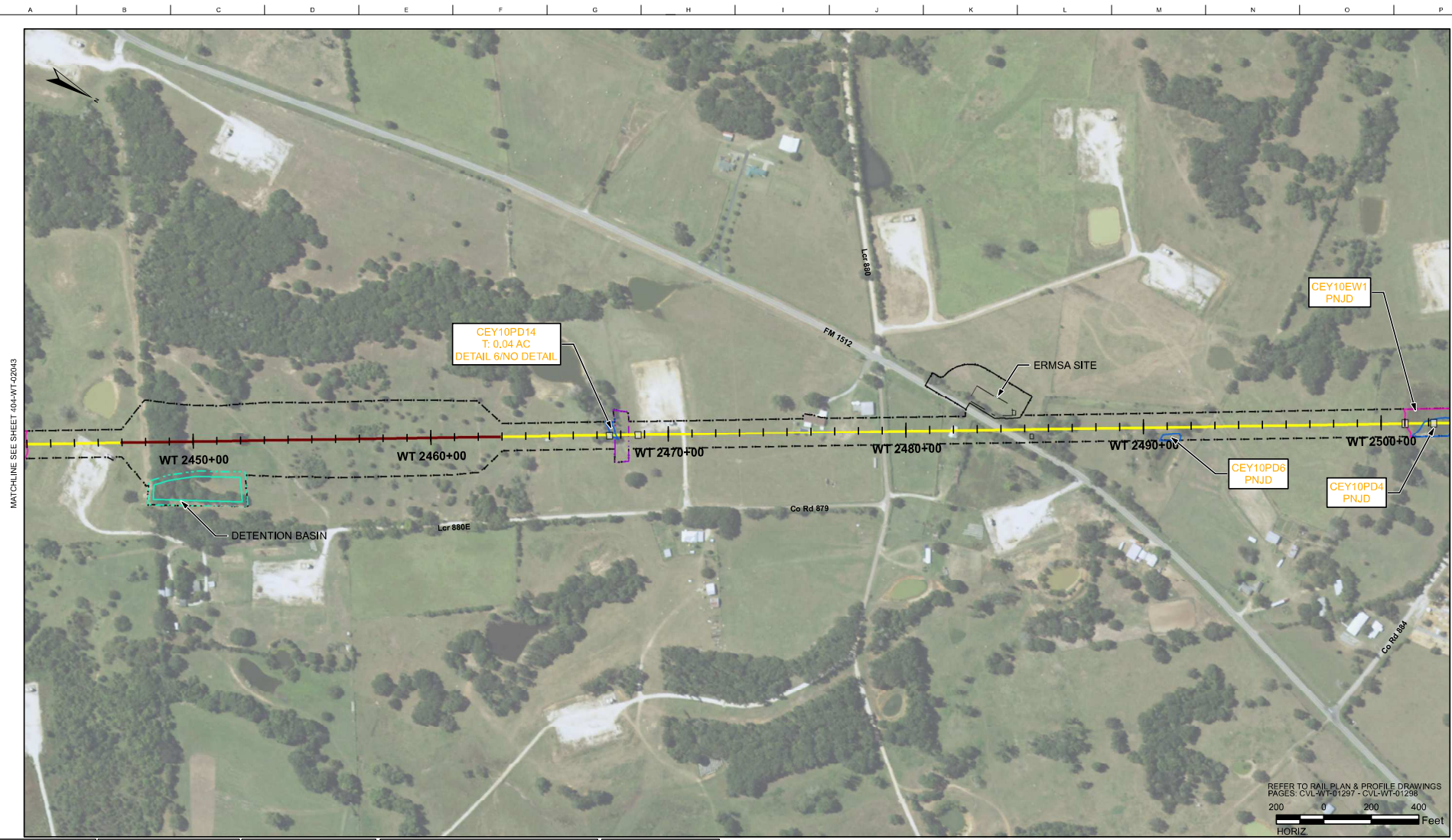
ARUP
Arup Texas, Inc.
10270 Westwood Ave., Suite 475
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Tel (713) 783 2787 Fax (713) 434 1467
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Texas Registered Engineering Firm: F-1590

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

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

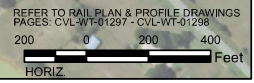
Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2384+73 TO WT 2444+70

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02043 |
| Rev 02 | |



MATCHLINE SEE SHEET 404-WT-02043

MATCHLINE SEE SHEET 404-WT-02045



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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. RESP. (ERMSA) | |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

- PLAN**
- NOTES:
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| | | | |
|-------------------|--|-------------|-------------|
| FINAL, REVISION 1 | | DESIGNED BY | H. MYERS |
| FINAL, REVISION 2 | | DRAWN BY | M. KINZER |
| | | CHECKED BY | R. ALDREDGE |
| | | IN CHARGE | R. ZARATE |
| | | DATE | DEC. 2019 |

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

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 Arup Texas, Inc.
 10370 Northwest Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

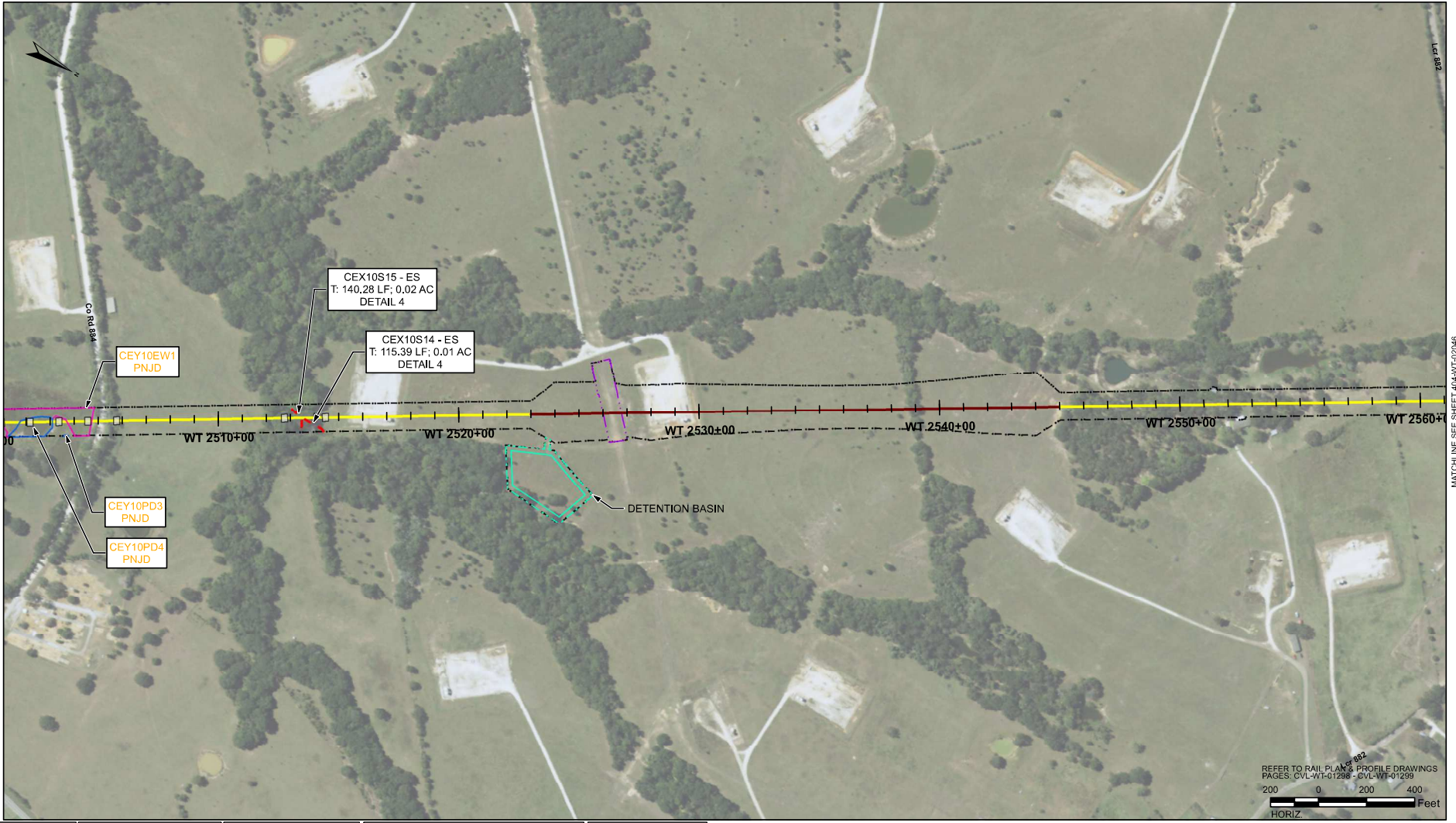
FREES NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

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

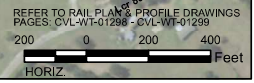
Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2442+90 TO WT 2502+88

| | |
|----------------|----------------------|
| Scale | AS SHOWN |
| Drawing Status | NOT FOR CONSTRUCTION |
| JOB No. | 234180 |
| Drawing No. | 404-WT-02044 |
| Rev | 02 |



MATCHLINE SEE SHEET 404-WT-02044

MATCHLINE SEE SHEET 404-WT-02046



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

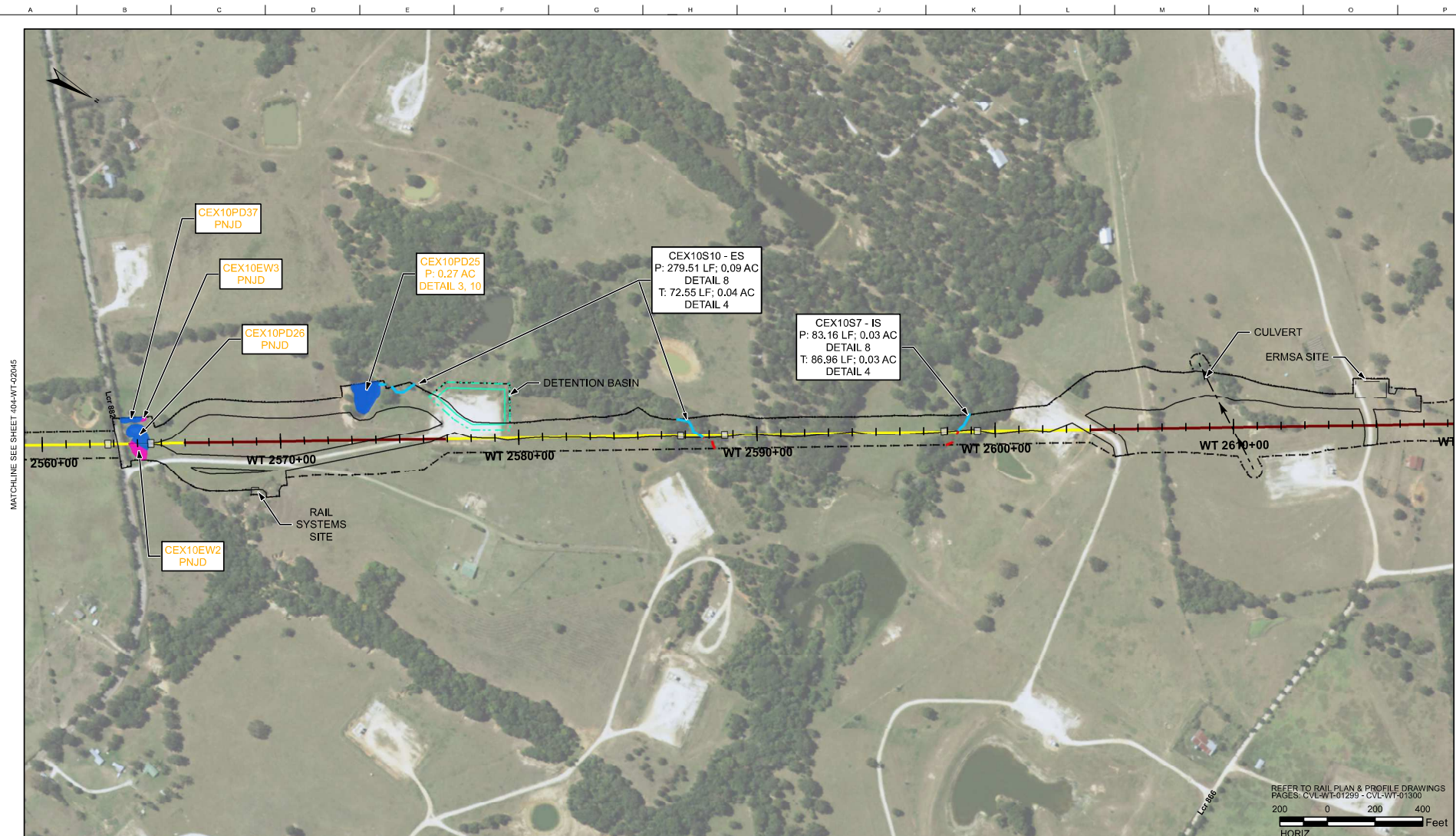
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Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2501+08 TO WT 2561+06

Scale
AS SHOWN
Drawing Status
NOT FOR CONSTRUCTION
JOB No. 234180 Drawing No. 404-WT-02045 Rev. 02



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |
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| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

PLAN

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

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

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

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 Arup Texas, Inc.
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 Texas Registered Engineering Firm: F-2144

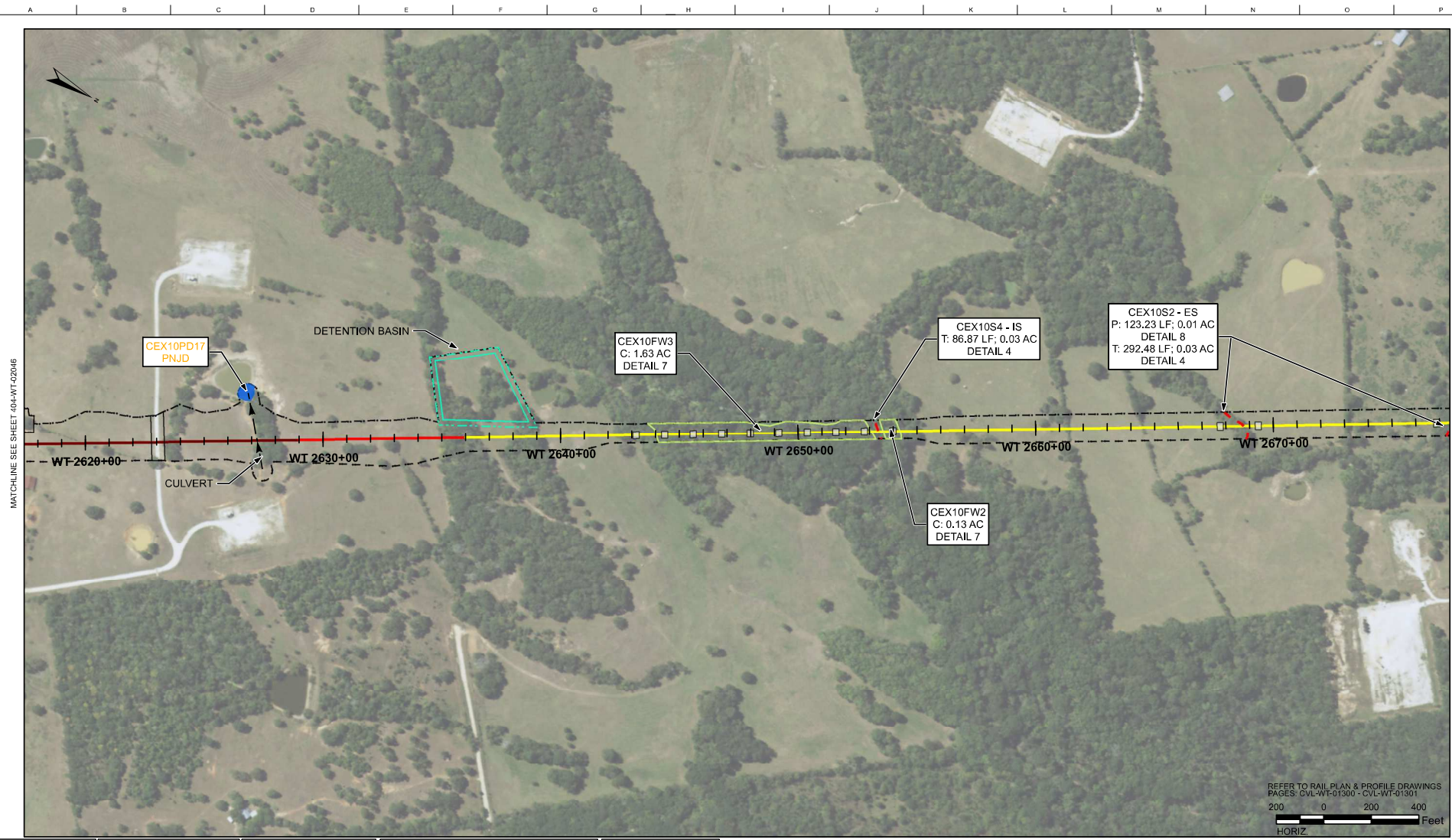
DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 2559+26 TO WT 2619+24

Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION

| JOB No. | Drawing No. | Rev. |
|---------|--------------|------|
| 234180 | 404-WT-02046 | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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REFER TO RAIL PLAN & PROFILE DRAWINGS
 PAGES: CVL-WT-01300 - CVL-WT-01301
 200 0 200 400
 HORIZ Feet

| | |
|----------------------------------|---------------------------------|
| DESIGNED BY H. MYERS | APPROVED BY R. ZARATE |
| DRAWN BY M. KINZER | DATE DEC. 2019 |
| CHECKED BY R. ALDREDGE | |
| IN CHARGE R. ZARATE | |

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

ARUP
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 10370 Northwood Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

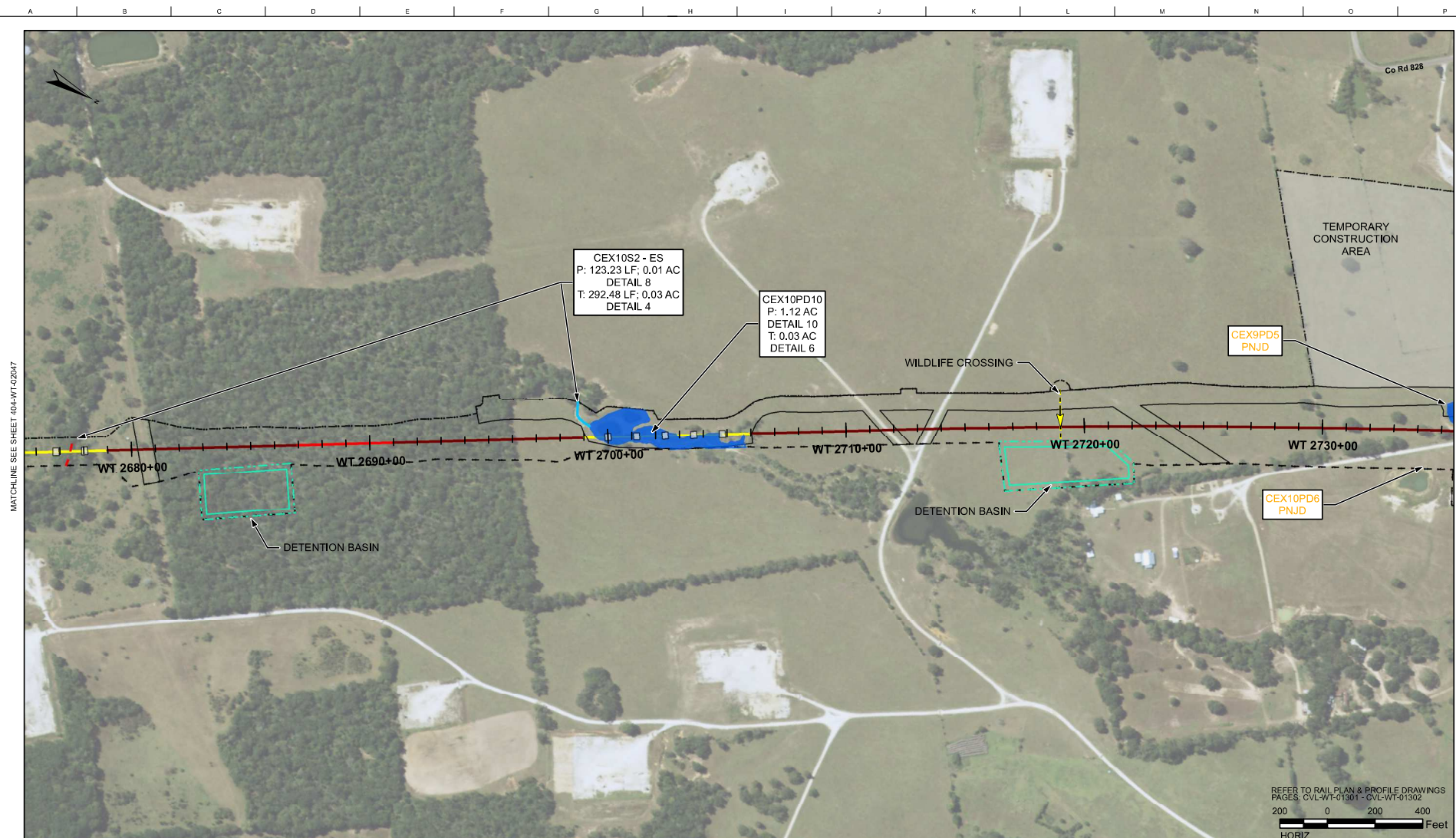
FREESSE NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2617+44 TO WT 2677+42

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02047 |
| Rev 02 | |



MATCHLINE SEE SHEET 404-WT-02047

MATCHLINE SEE SHEET 404-WT-02049

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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REFER TO RAIL PLAN & PROFILE DRAWINGS
 PAGES: CVL-WT-01301 - CVL-WT-01302
 200 0 200 400
 HORIZ Feet

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

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
 FINAL CONCEPTUAL ENGINEERING

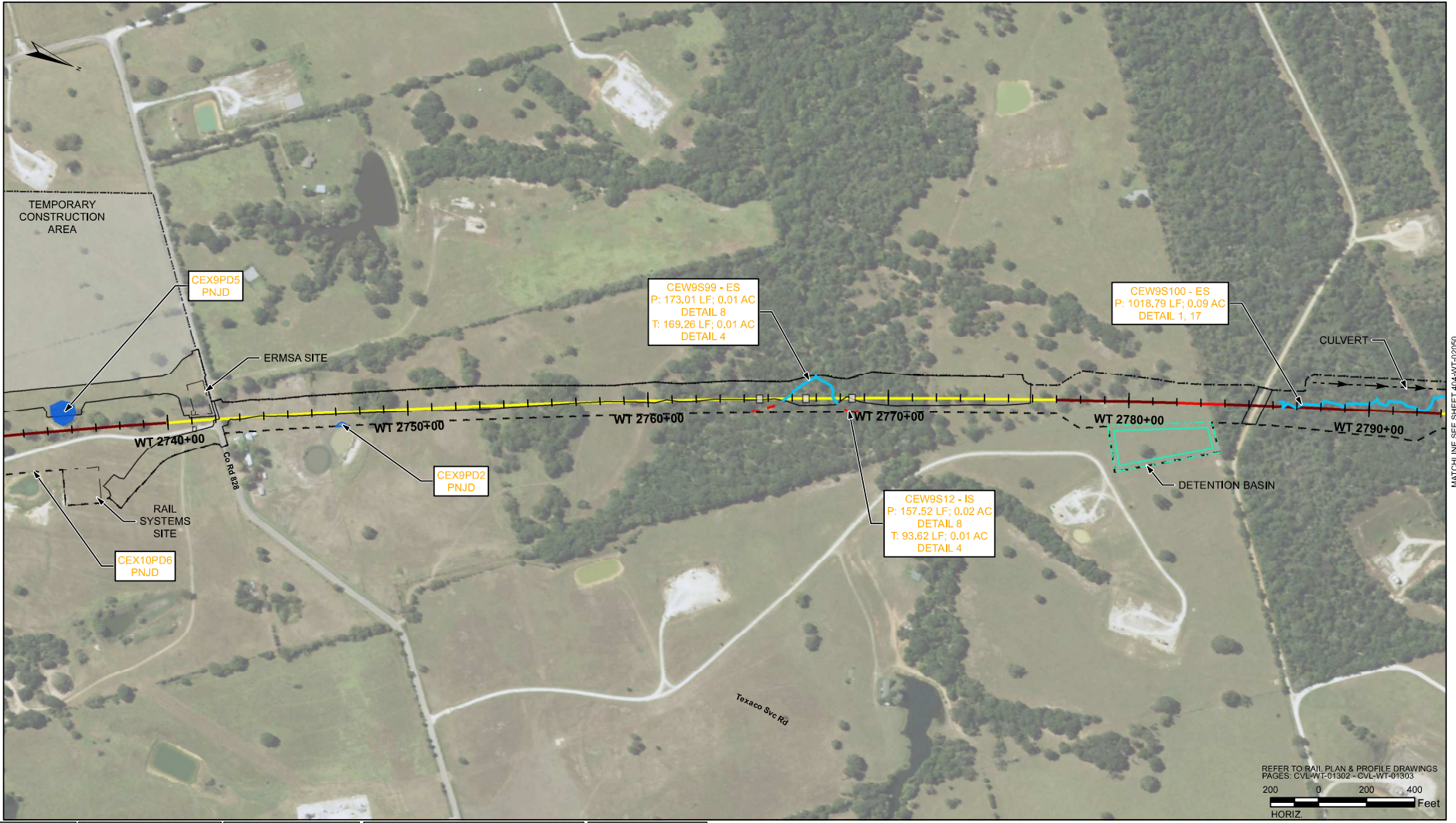
 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2675+51 TO WT 2735+50

Scale
AS SHOWN

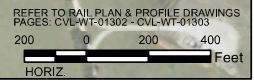
Drawing Status
NOT FOR CONSTRUCTION

| | | |
|--------|--------------|-----|
| JOB NO | Drawing No | Rev |
| 234180 | 404-WT-02048 | 02 |



MATCHLINE SEE SHEET 404-WT-0204B

MATCHLINE SEE SHEET 404-WT-0205D



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

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

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

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

ARUP
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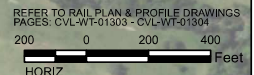
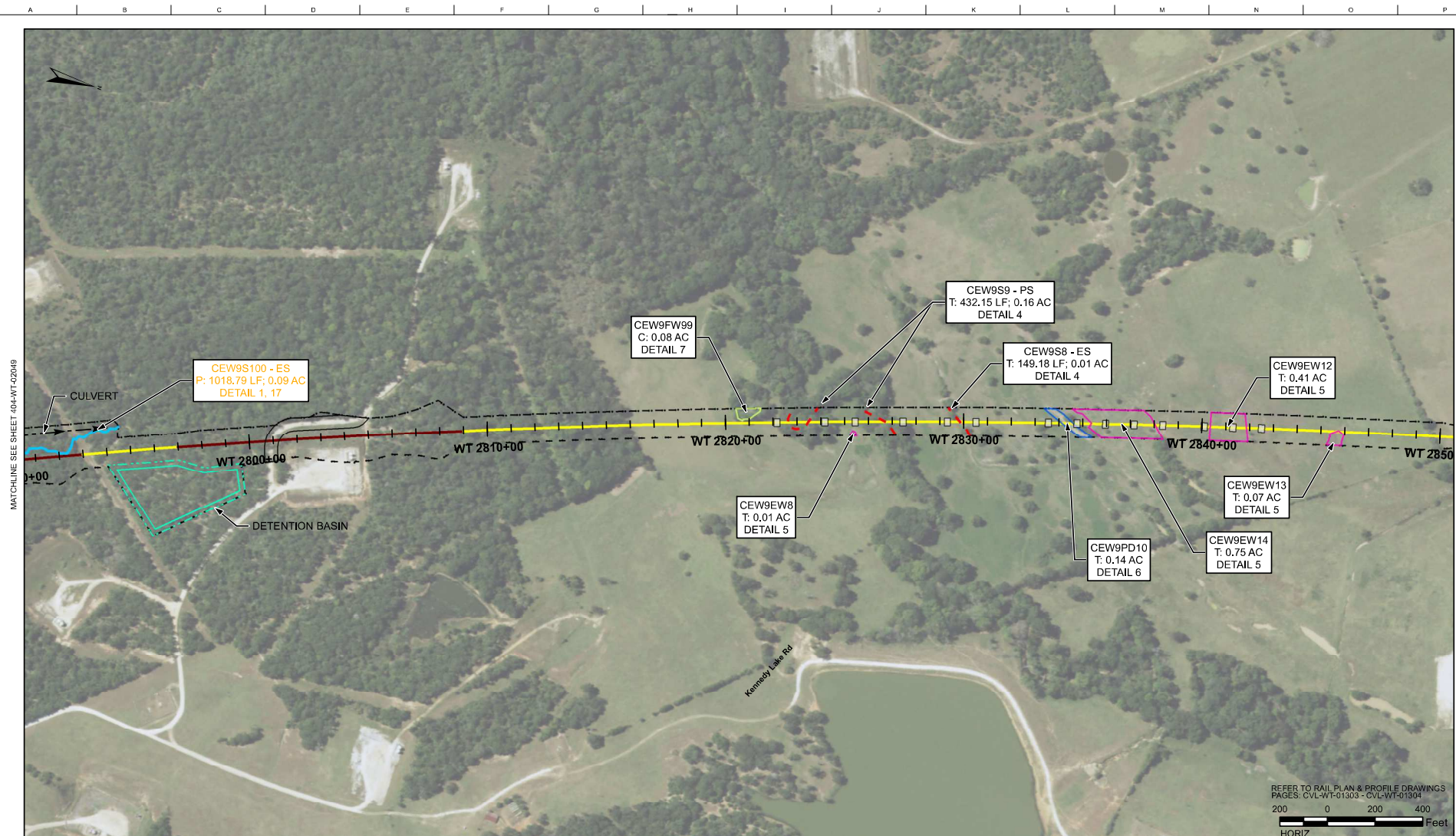
DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title:
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2733+17 TO WT 2793+20

Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION

| JOB No. | Drawing No. | Rev. |
|---------|--------------|------|
| 234180 | 404-WT-02049 | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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- NOTES:
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| | |
|----------------------------------|-------------------|
| DESIGNED BY H. MYERS | FINAL, REVISION 1 |
| DRAWN BY M. KINZER | FINAL, REVISION 2 |
| CHECKED BY R. ALDREDGE | |
| IN CHARGE R. ZARATE | |
| DATE DEC. 2019 | |

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

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 10370 Northwest Ave., Suite 475
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 Tel (713) 783 2787 Fax (713) 434 1467
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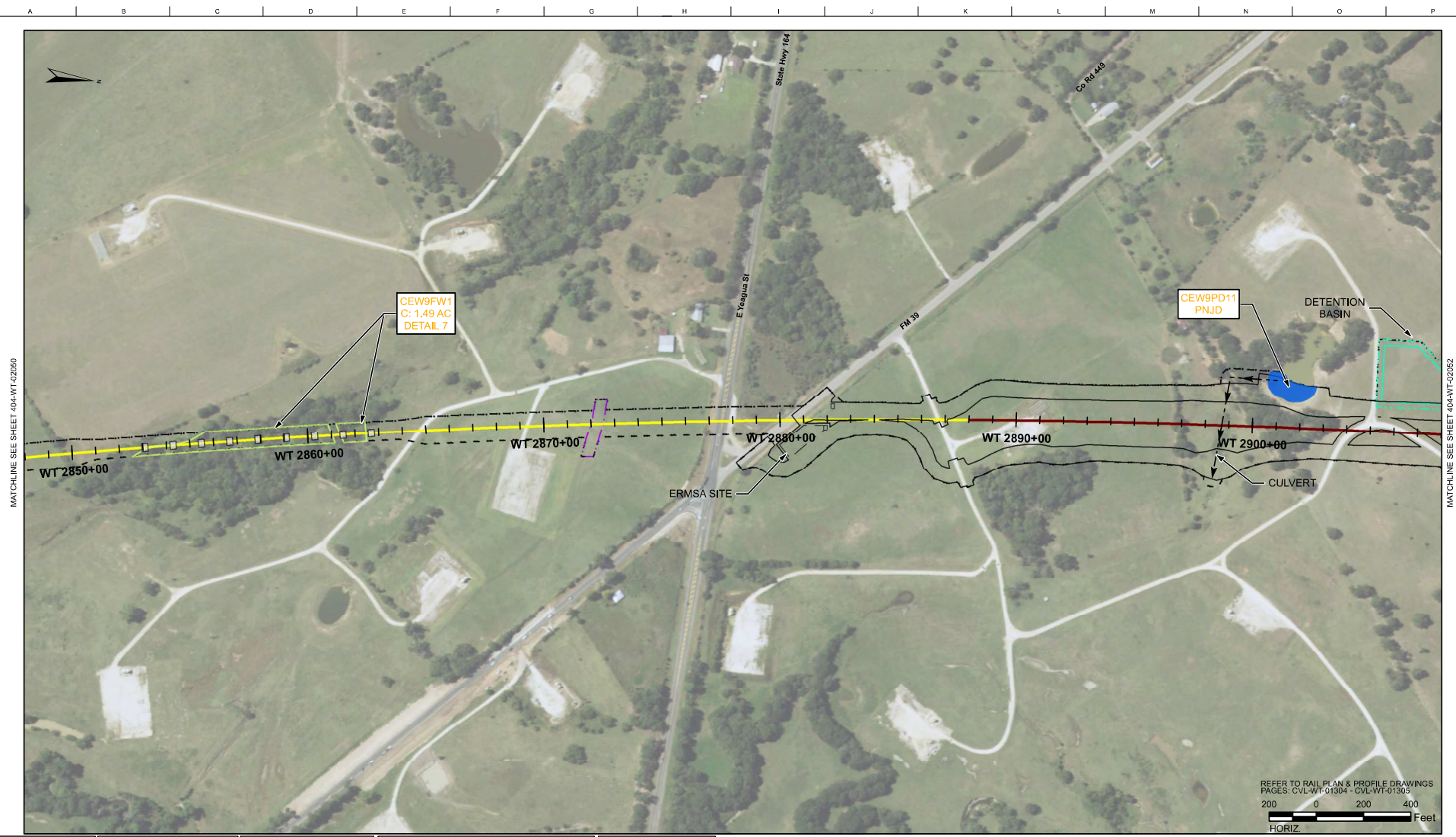
FREES NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

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

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2790+55 TO WT 2850+58

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02050 |
| Rev 02 | |



REFER TO RAIL PLAN & PROFILE DRAWINGS
 PAGES: CVL-WT-01304 - CVL-WT-01305
 200 0 200 400
 HORIZ Feet

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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. RESP. (ERMSA) | |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

PLAN

- NOTES:
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| | |
|----------------------------------|--|
| 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 DEC. 2019 | |

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 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

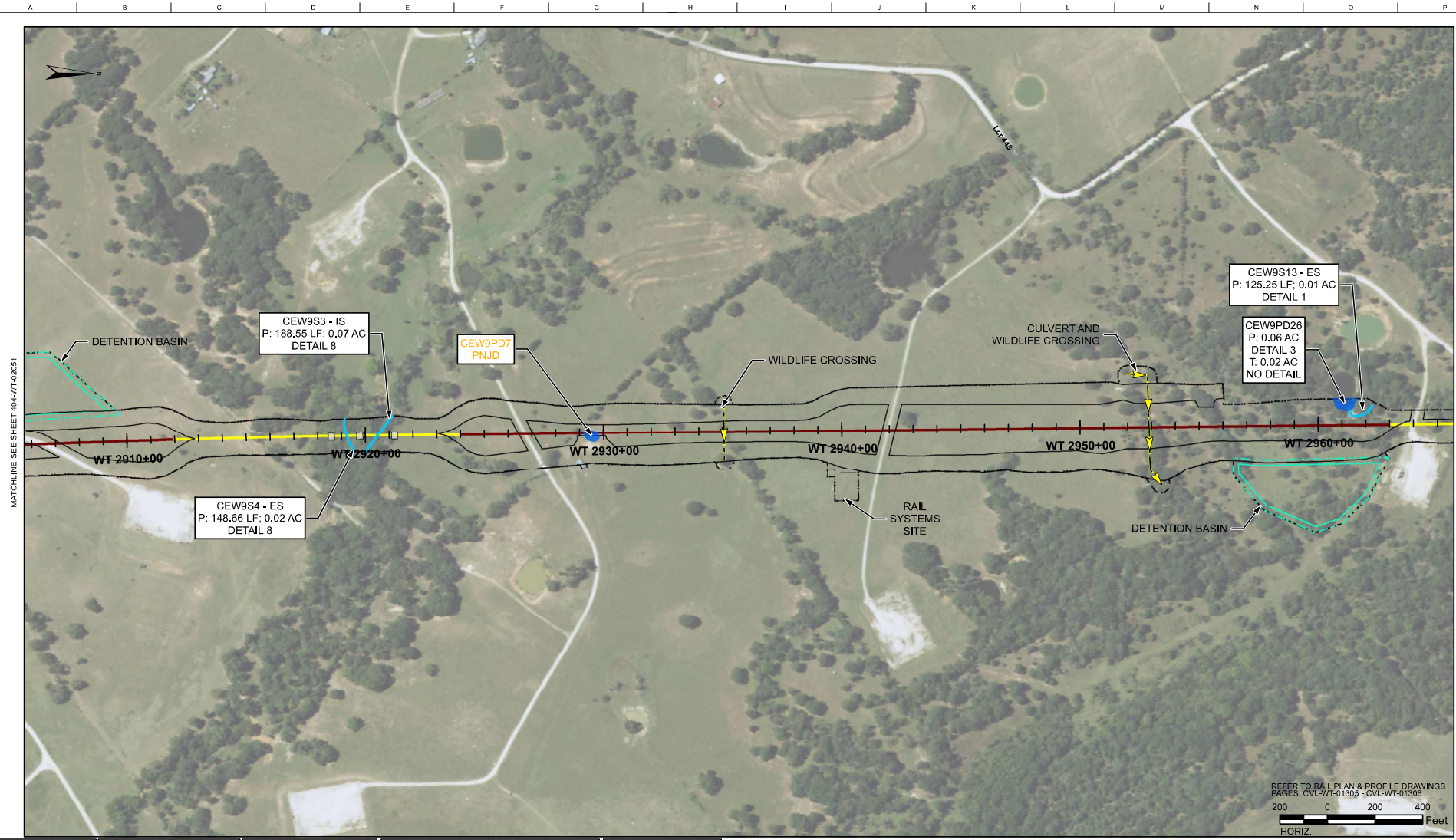
 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2847+98 TO WT 2908+02

Scale
AS SHOWN

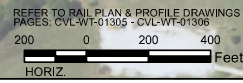
Drawing Status
NOT FOR CONSTRUCTION

| | | |
|-------------------|-----------------------------|------------|
| JOB No. 234180 | Drawing No. 404-WT-02051 | Rev. 02 |
|-------------------|-----------------------------|------------|



MATCHLINE SEE SHEET 404-WT-02051

MATCHLINE SEE SHEET 404-WT-02053



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

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

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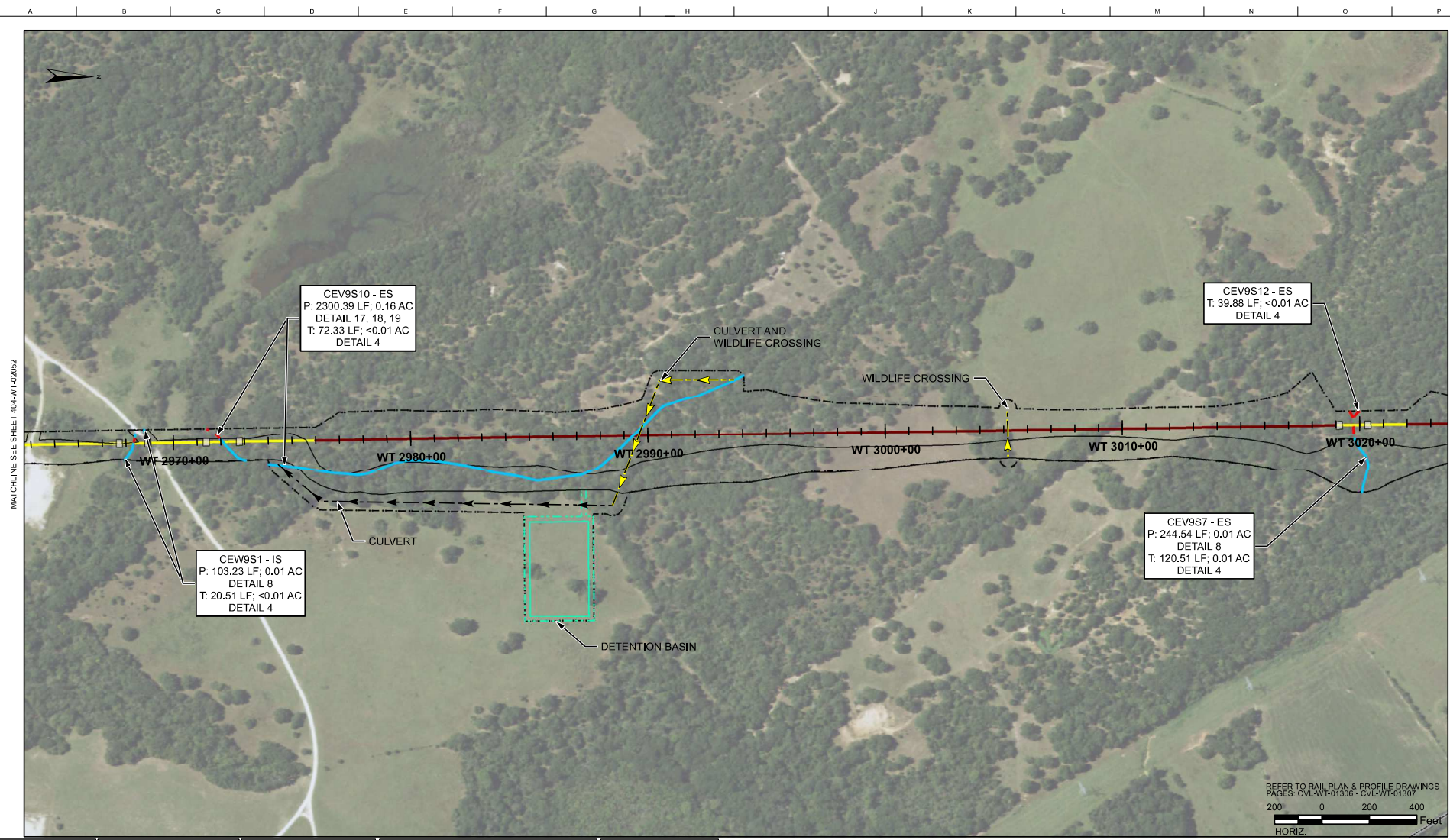
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 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

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

Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 2905+70 TO WT 2965+68

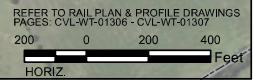
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| Scale: AS SHOWN | Drawing Status: NOT FOR CONSTRUCTION |
| JOB No: 234180 | Drawing No: 404-WT-02052 |
| Rev: 02 | |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|-----|------|----|-----|-----|-------------------|
| | | | | | FINAL, REVISION 1 |
| | | | | | FINAL, REVISION 2 |

DESIGNED BY
H. MYERS

DRAWN BY
M. KINZER

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
DEC. 2019

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

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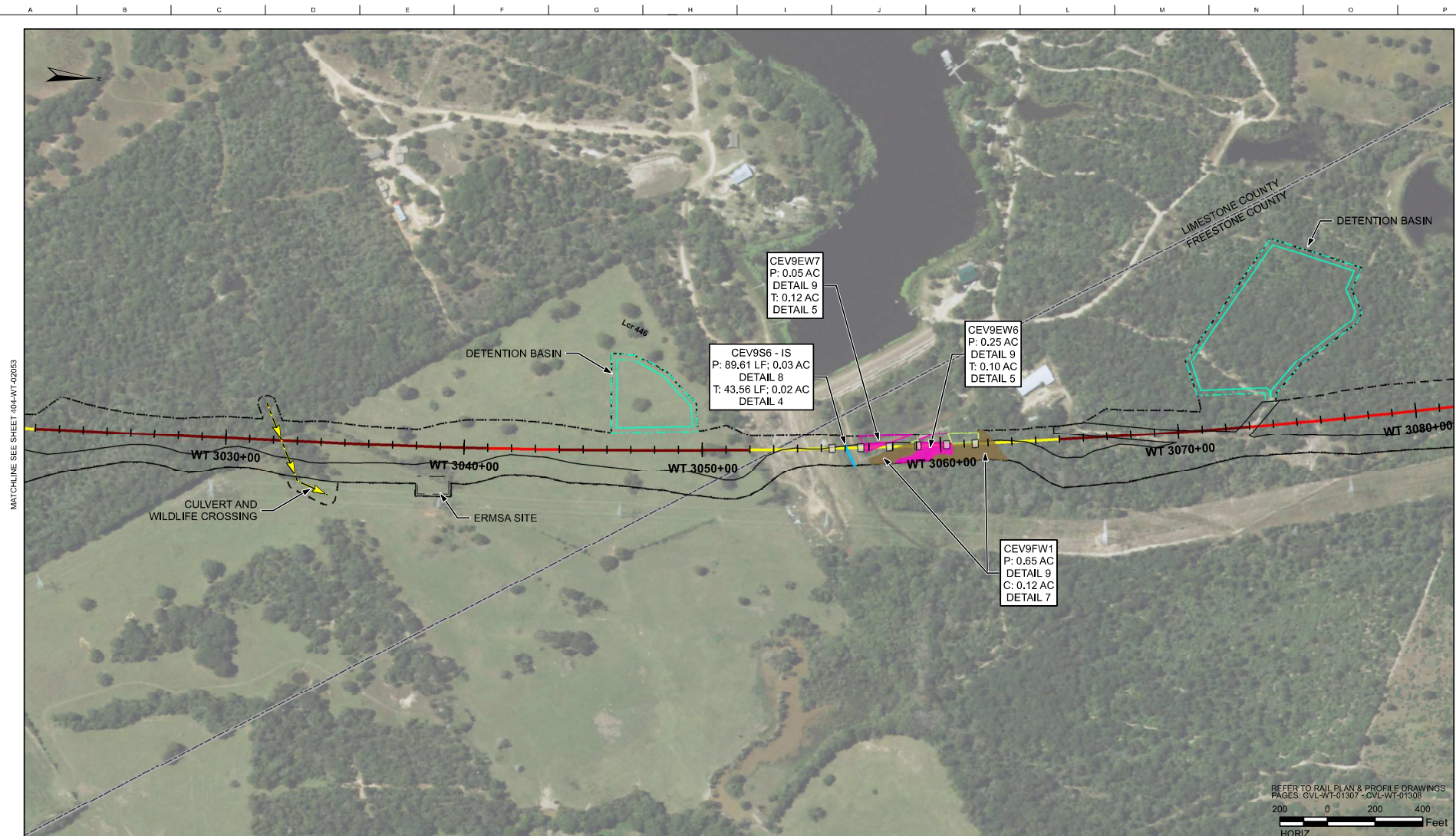
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 2963+73 TO WT 3023+71

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

| | | |
|---------|--------------|------|
| JOB No. | Drawing No. | Rev. |
| 234180 | 404-WT-02053 | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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| | |
|----------------------------------|---------------------------------|
| DESIGNED BY H. MYERS | APPROVED BY R. ZARATE |
| DRAWN BY M. KINZER | DATE DEC. 2019 |
| CHECKED BY R. ALDREDGE | |
| IN CHARGE R. ZARATE | |

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

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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

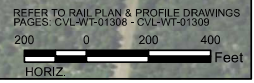
PLAN VIEW (FRA SEG. 4)
 STA WT 3021+53 TO WT 3081+59

| | | |
|---------|--------------|------|
| JOB No. | Drawing No. | Rev. |
| 234180 | 404-WT-02054 | 02 |



MATCHLINE SEE SHEET 404-WT-02054

MATCHLINE SEE SHEET 404-WT-02056



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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. (ERMISA) | |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

PLAN

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

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

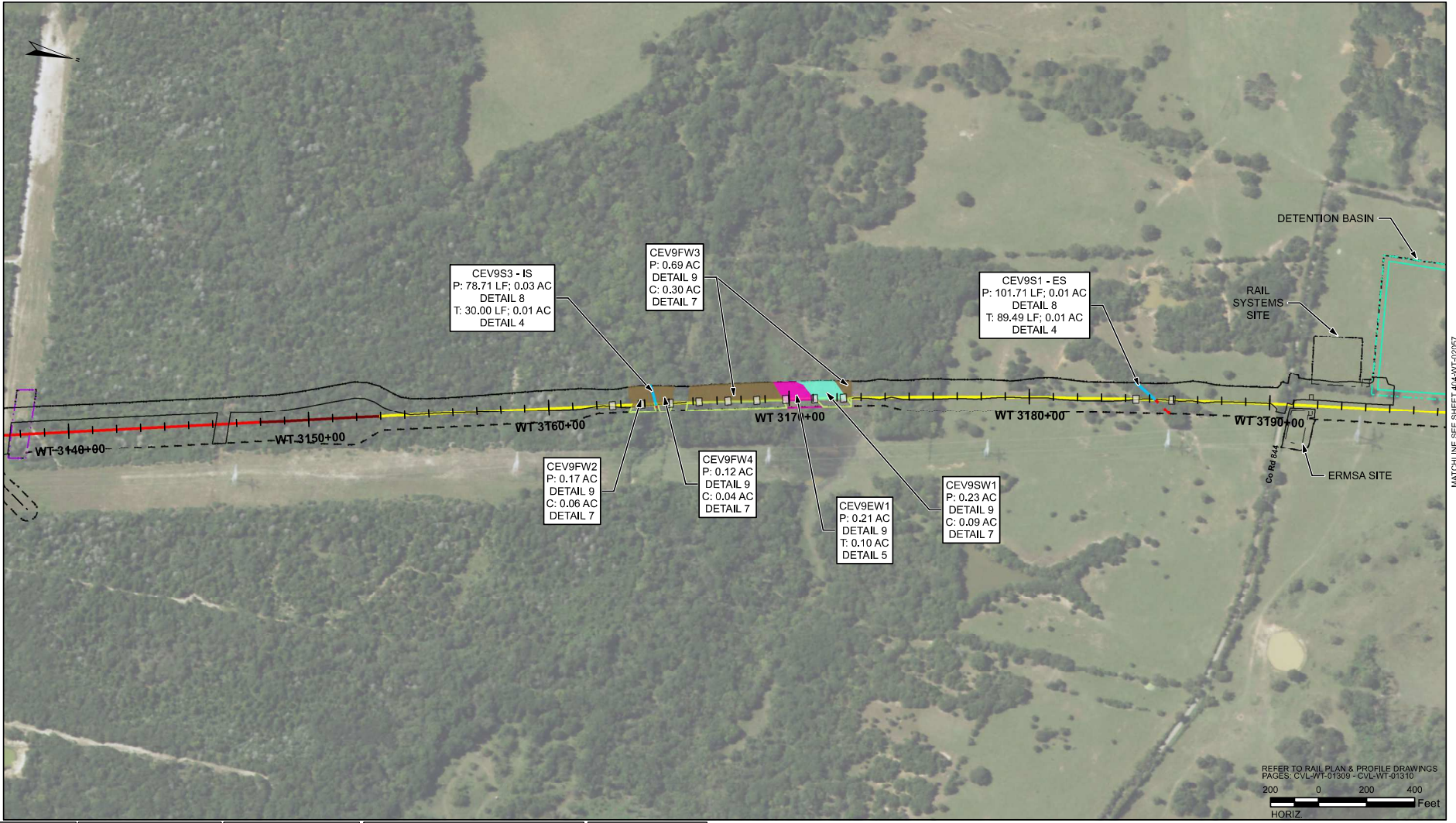
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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

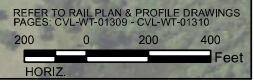
 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title: **WEST OF TEAGUE SEGMENT**
 Scale: **AS SHOWN**
 Drawing Status: **NOT FOR CONSTRUCTION**
 Drawing Title: **PLAN VIEW (FRA SEG. 4)**
 STA WT 3079+29 TO WT 3139+30
 Job No: 234180 Drawing No: 404-WT-02055 Rev: 02



MATCHLINE SEE SHEET 404-WT-02055

MATCHLINE SEE SHEET 404-WT-02057



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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 DEC. 2019 |

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

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

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

PLAN

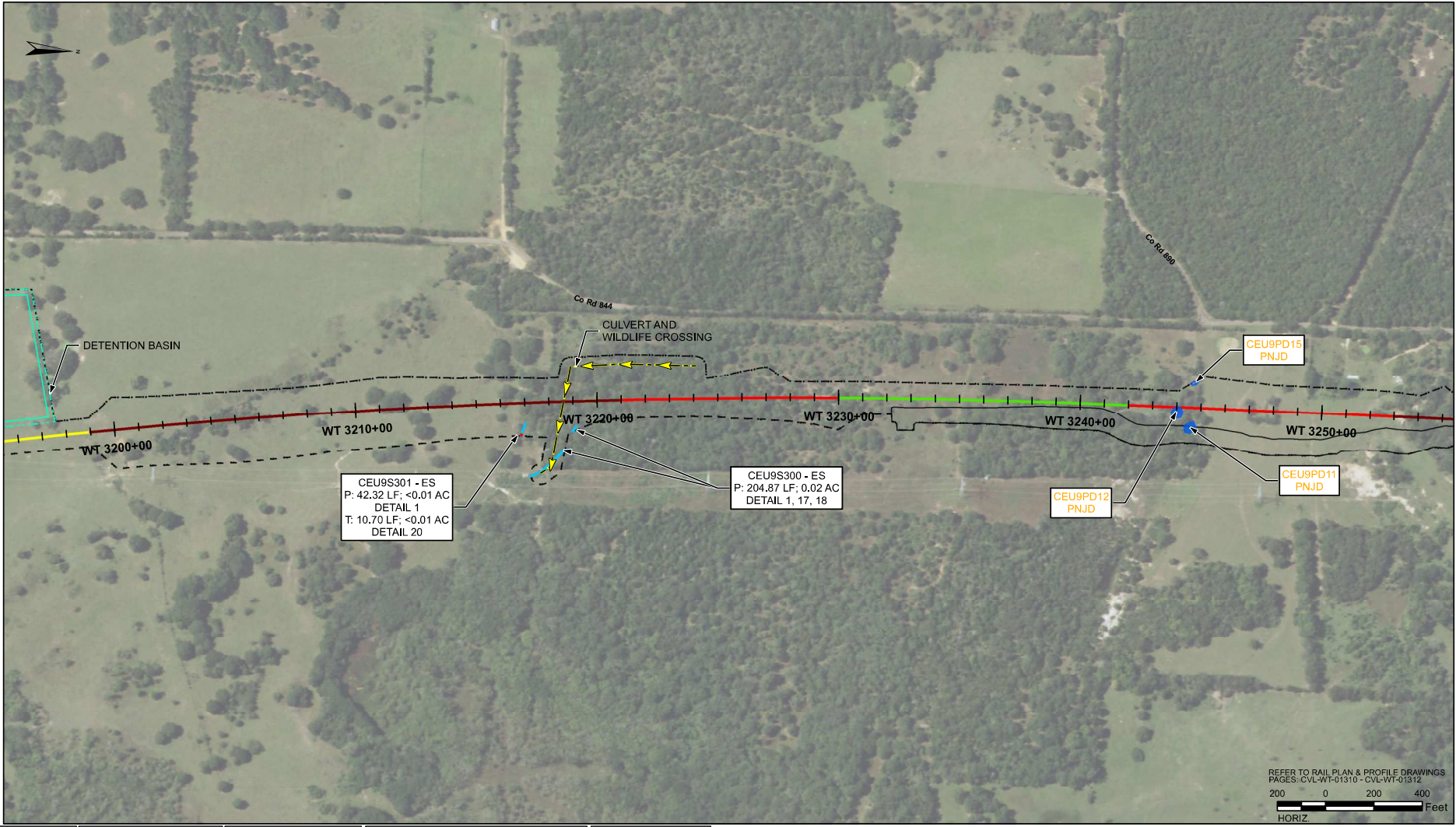
- NOTES:
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Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 3137+31 TO WT 3197+34

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

| | | |
|--------|--------------|-----|
| JOB No | Drawing No | Rev |
| 234180 | 404-WT-02056 | 02 |



MATCHLINE SEE SHEET 404-WT-02056

MATCHLINE SEE SHEET 404-WT-02058

REFER TO RAIL PLAN & PROFILE DRAWINGS
 PAGES: CVL-WT-01310 - CVL-WT-01312
 200 0 200 400
 HORIZ Feet

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|-----|------|----|-----|-----|-------------------|
| | | | | | FINAL, REVISION 1 |
| | | | | | FINAL, REVISION 2 |

DESIGNED BY
H. MYERS

DRAWN BY
M. KINZER

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
DEC. 2019

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
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

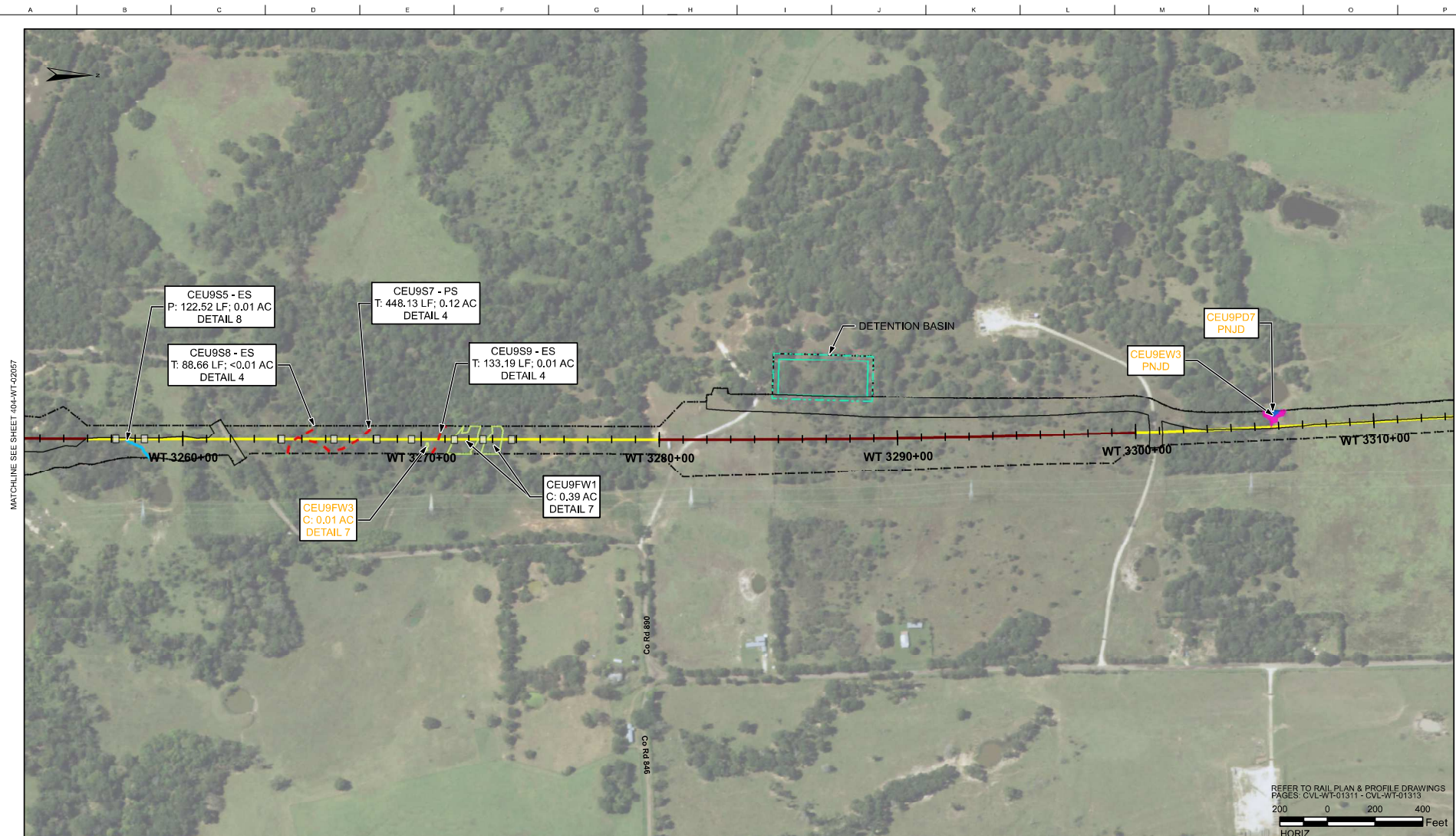
Drawing Title
WEST OF TEAGUE SEGMENT

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

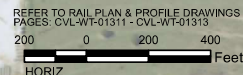
PLAN VIEW (FRA SEG. 4)
 STA WT 3195+41 TO WT 3255+47

| JOB No. | Drawing No. | Rev. |
|---------|--------------|------|
| 234180 | 404-WT-02057 | 02 |



MATCHLINE SEE SHEET 404-WT-02057

MATCHLINE SEE SHEET 404-WT-02059



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

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

| | |
|-------------------|--|
| FINAL, REVISION 1 | |
| FINAL, REVISION 2 | |

| | | | | | |
|-----|------|----|-----|-----|-------------|
| REV | DATE | BY | CHK | APP | DESCRIPTION |
| | | | | | |

PLAN

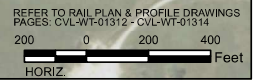
- NOTES:
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 - IS = INTERMITTENT STREAM
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 - TEMPORARY, PERMANENT AND CONVERSION IMPACTS ARE SUMMED UP IN ONE CALLOUT BOX FOR EACH FEATURE.
 - UTILITY, TEMPORARY CONSTRUCTION AND CONSTRUCTION ALLOWANCE IMPACTS DO NOT REFERENCE A DETAIL.
 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

| | | | | |
|---|--|--|--|---|
| ARUP Arup Texas, Inc. 10370 Westmore Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783 2787 Fax (713) 434 1467 www.arup.com Texas Registered Engineering Firm: F-1590 | FRESE 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 | DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING TEXAS CENTRAL 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215 | Drawing Title WEST OF TEAGUE SEGMENT PLAN VIEW (FRA SEG. 4) STA WT 3253+35 TO WT 3313+35 | Scale AS SHOWN Drawing Status NOT FOR CONSTRUCTION |
| | | | Job No. 234180 | Drawing No. 404-WT-02058 |



MATCHLINE SEE SHEET 404-WT-02058

MATCHLINE SEE SHEET 404-WT-02060



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

- PLAN**
- NOTES:
- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|-----|------|----|-----|-----|-------------------|
| | | | | | FINAL, REVISION 1 |
| | | | | | FINAL, REVISION 2 |

DESIGNED BY
H. MYERS

DRAWN BY
M. KINZER

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
DEC. 2019

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

ARUP

Arup Texas, Inc.
10370 Nopwood Ave., Suite 475
Houston, Texas 77042 USA
Tel (713) 783 2787 Fax (713) 434 1467
www.arup.com
Texas Registered Engineering Firm: F-1590

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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

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

TEXAS CENTRAL

1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

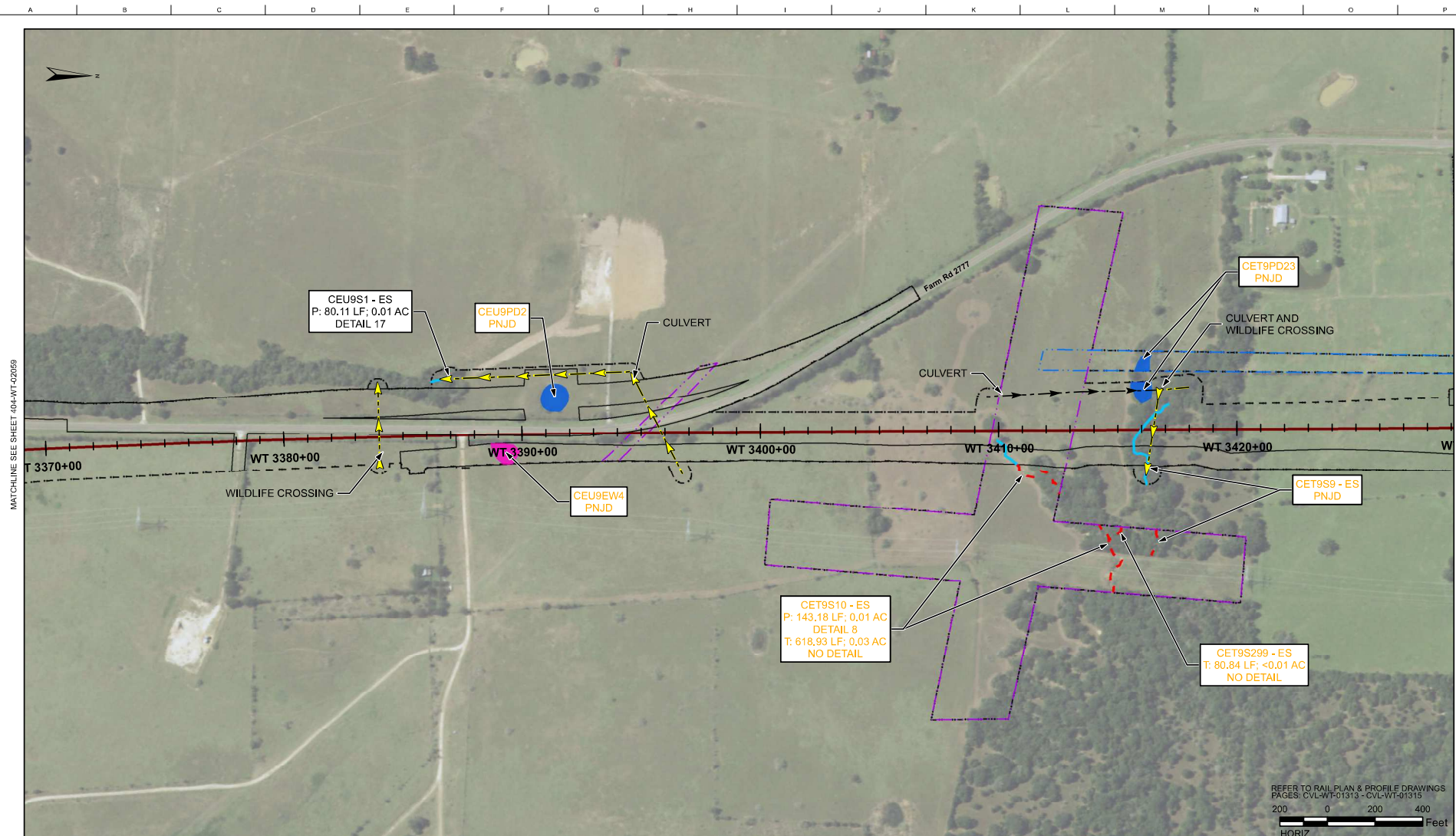
Drawing Title
WEST OF TEAGUE SEGMENT

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

PLAN VIEW (FRA SEG. 4)
STA WT 3311+28 TO WT 3371+26

| | | |
|---------|--------------|------|
| JOB No. | Drawing No. | Rev. |
| 234180 | 404-WT-02059 | 02 |



MATCHLINE SEE SHEET 404-WT-02059

MATCHLINE SEE SHEET 404-WT-02061

REFER TO RAIL PLAN & PROFILE DRAWINGS
 PAGES: CVL-WT-01313 - CVL-WT-01315
 200 0 200 400
 HORIZ Feet

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

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

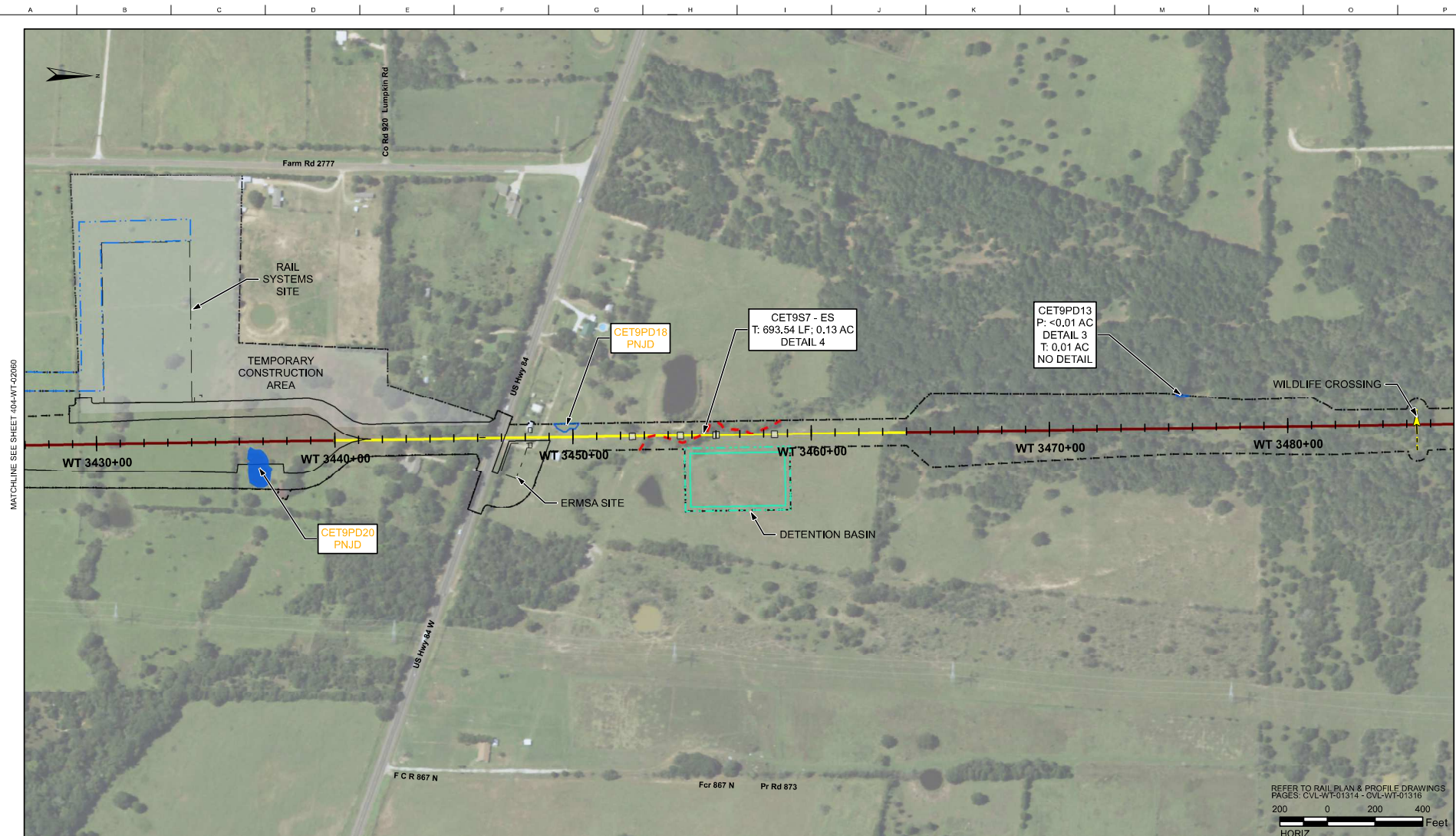
| | |
|-------------------|--|
| FINAL, REVISION 1 | |
| FINAL, REVISION 2 | |

| | | | | | |
|-----|------|----|-----|-----|-------------|
| REV | DATE | BY | CHK | APP | DESCRIPTION |
| | | | | | |

PLAN

- NOTES:
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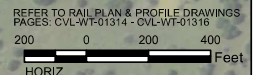
| | | | | |
|---|--|---|--|---|
| ARUP Arup Texas, Inc. 10370 Westwood Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783 2787 Fax (713) 434 1467 www.arup.com Texas Registered Engineering Firm: F-1590 | FRESE NICHOLS 2711 North Haskell Ave., Suite 3300 Dallas, Texas 75204 Tel (214) 217 2200 Fax (214) 217 2201 www.freese-nichols.com Texas Registered Engineering Firm: F-2144 | DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215 | Drawing Title WEST OF TEAGUE SEGMENT PLAN VIEW (FRA SEG. 4) STA WT 3369+11 TO WT 3429+10 | Scale AS SHOWN Drawing Status NOT FOR CONSTRUCTION |
| | | | Drawing No. 234180 | Drawing No. 404-WT-02060 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

- NOTES:
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| | |
|-------------------|----------------------------------|
| FINAL, REVISION 1 | DESIGNED BY H. MYERS |
| FINAL, REVISION 2 | DRAWN BY M. KINZER |
| | CHECKED BY R. ALDREDGE |
| | IN CHARGE R. ZARATE |
| | DATE DEC. 2019 |

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

ARUP
 Arup Texas, Inc.
 10270 Westwood Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

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

DALLAS TO HOUSTON HIGH-SPEED RAIL
 RAIL CONCEPTUAL ENGINEERING

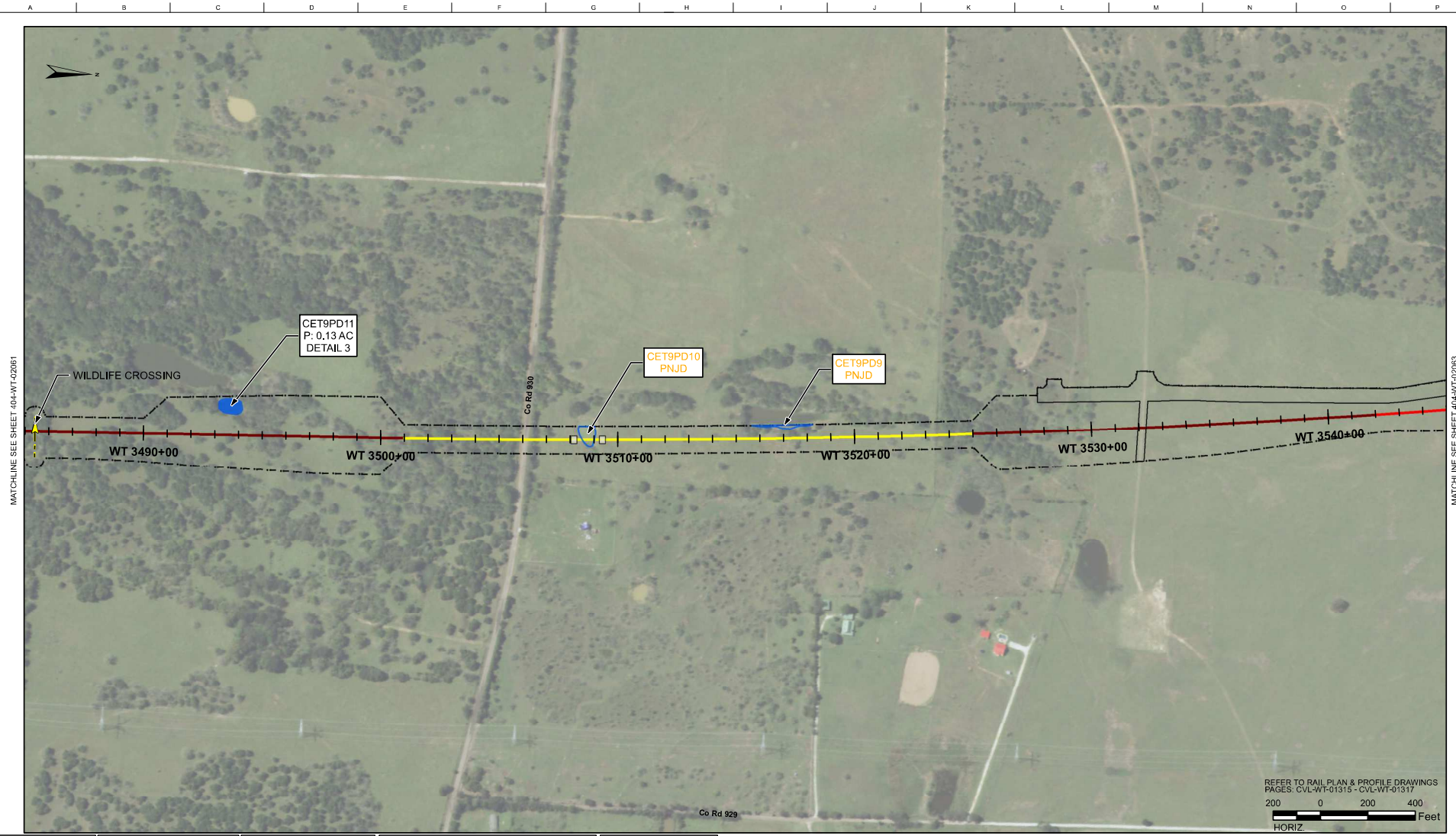
 1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 3426+98 TO WT 3486+97

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

| | | |
|--------|--------------|-----|
| JOB No | Drawing No | Rev |
| 234180 | 404-WT-02061 | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

- NOTES:
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| | |
|----------------------------------|-------------------|
| DESIGNED BY H. MYERS | FINAL, REVISION 1 |
| DRAWN BY M. KINZER | FINAL, REVISION 2 |
| CHECKED BY R. ALDREDGE | |
| IN CHARGE R. ZARATE | |
| DATE DEC. 2019 | |

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

ARUP
 Arup Texas, Inc.
 10376 Westwood Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

FREESSE 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

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

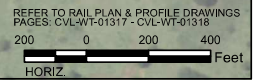
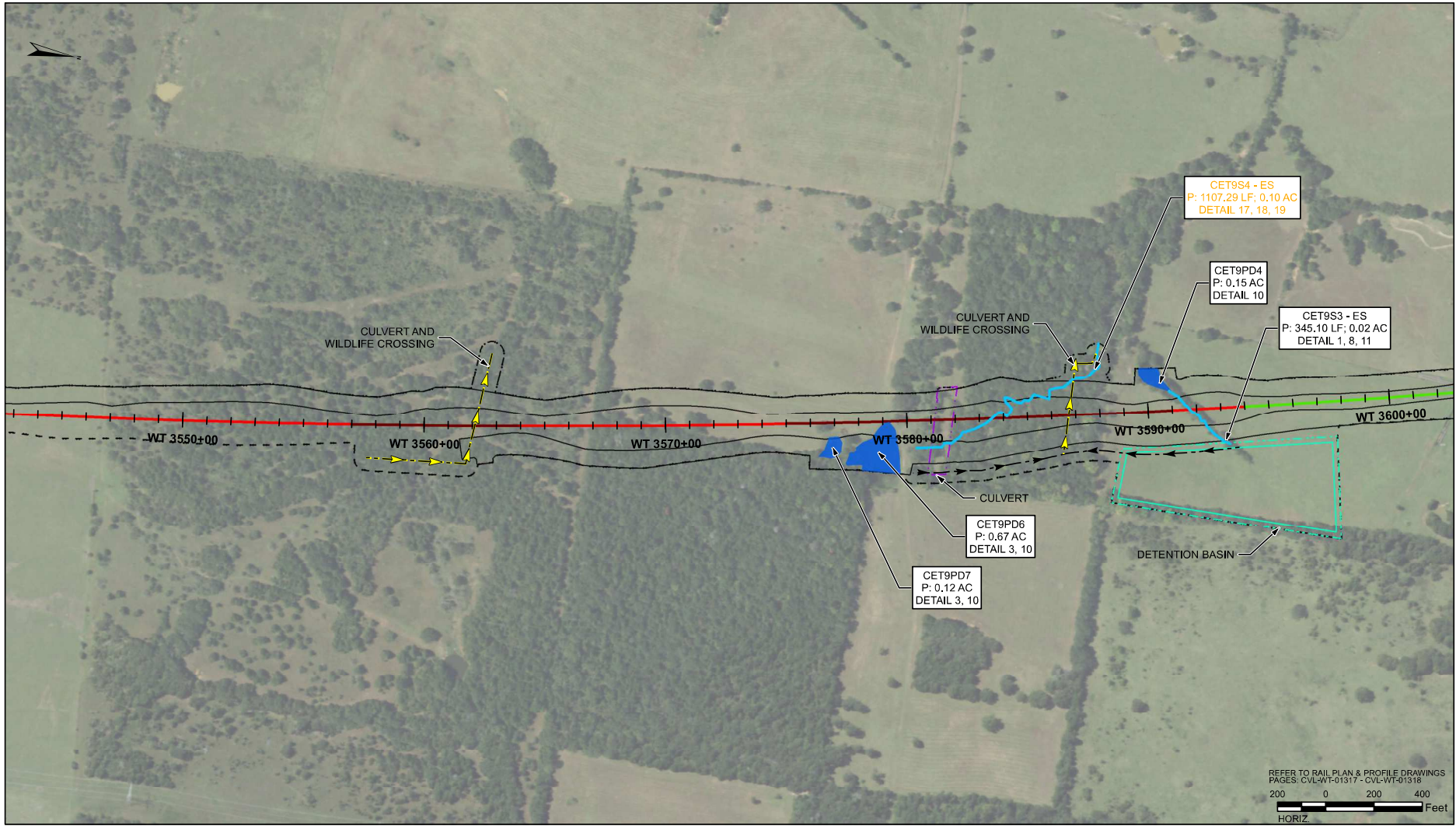
 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 3484+96 TO WT 3544+98

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02062 |
| Rev 02 | |

MATCHLINE SEE SHEET 404-WT-02062

MATCHLINE SEE SHEET 404-WT-02064



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

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

ARUP
 Arup Texas, Inc.
 10370 Northwood Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
 www.arup.com
 Texas Registered Engineering Firm: F-1590

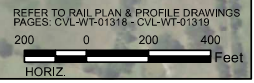
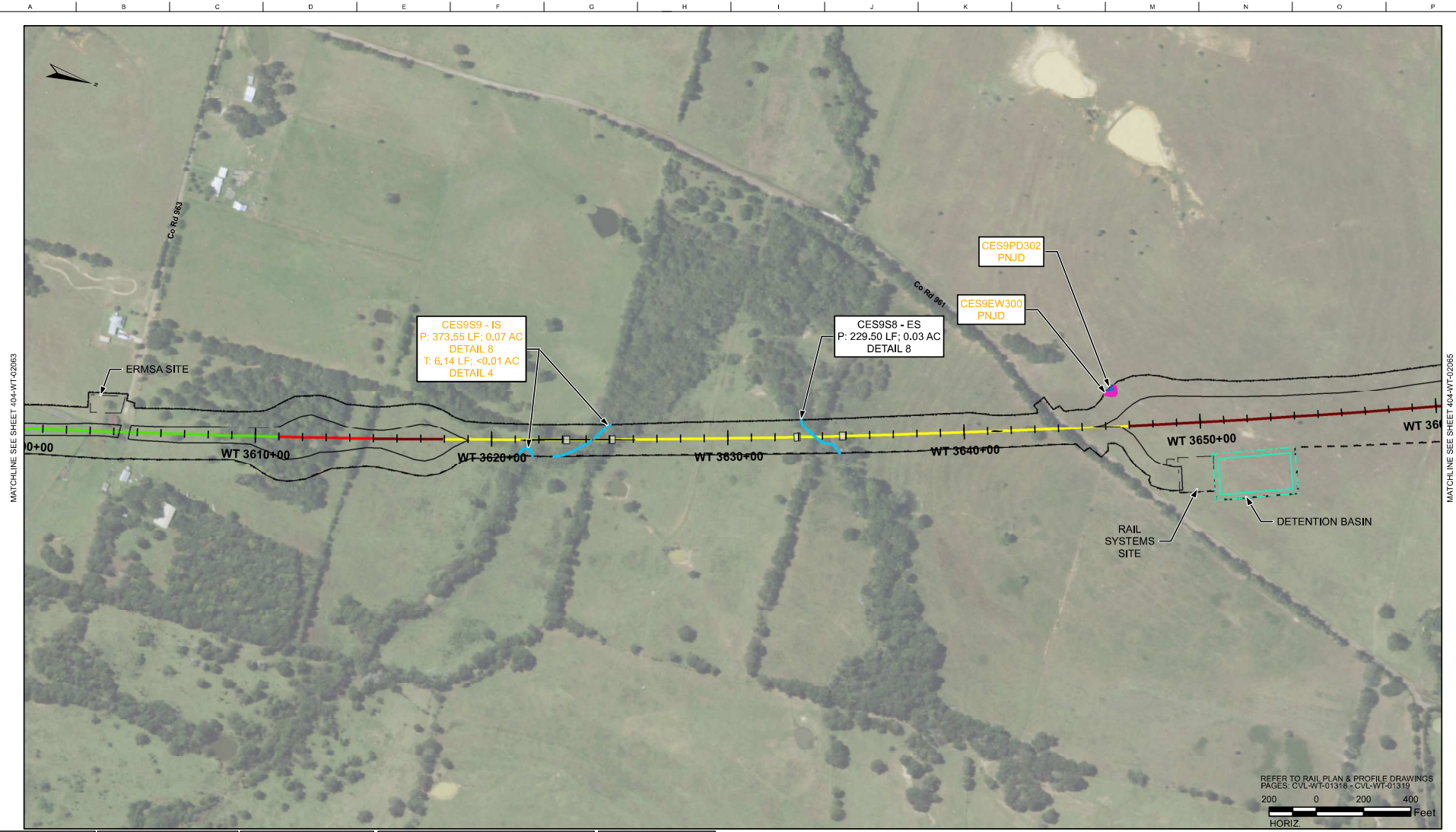
FREESSE NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING

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

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 3542+64 TO WT 3602+67

| | |
|----------------|----------------------|
| Scale | AS SHOWN |
| Drawing Status | NOT FOR CONSTRUCTION |
| JOB No. | 234180 |
| Drawing No. | 404-WT-02063 |
| Rev | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

- NOTES:
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PLAN

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

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

ARUP
 Arup Texas, Inc.
 10370 Northwest Ave., Suite 475
 Houston, Texas 77042 USA
 Tel (713) 783 2787 Fax (713) 434 1467
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 Texas Registered Engineering Firm: F-1590

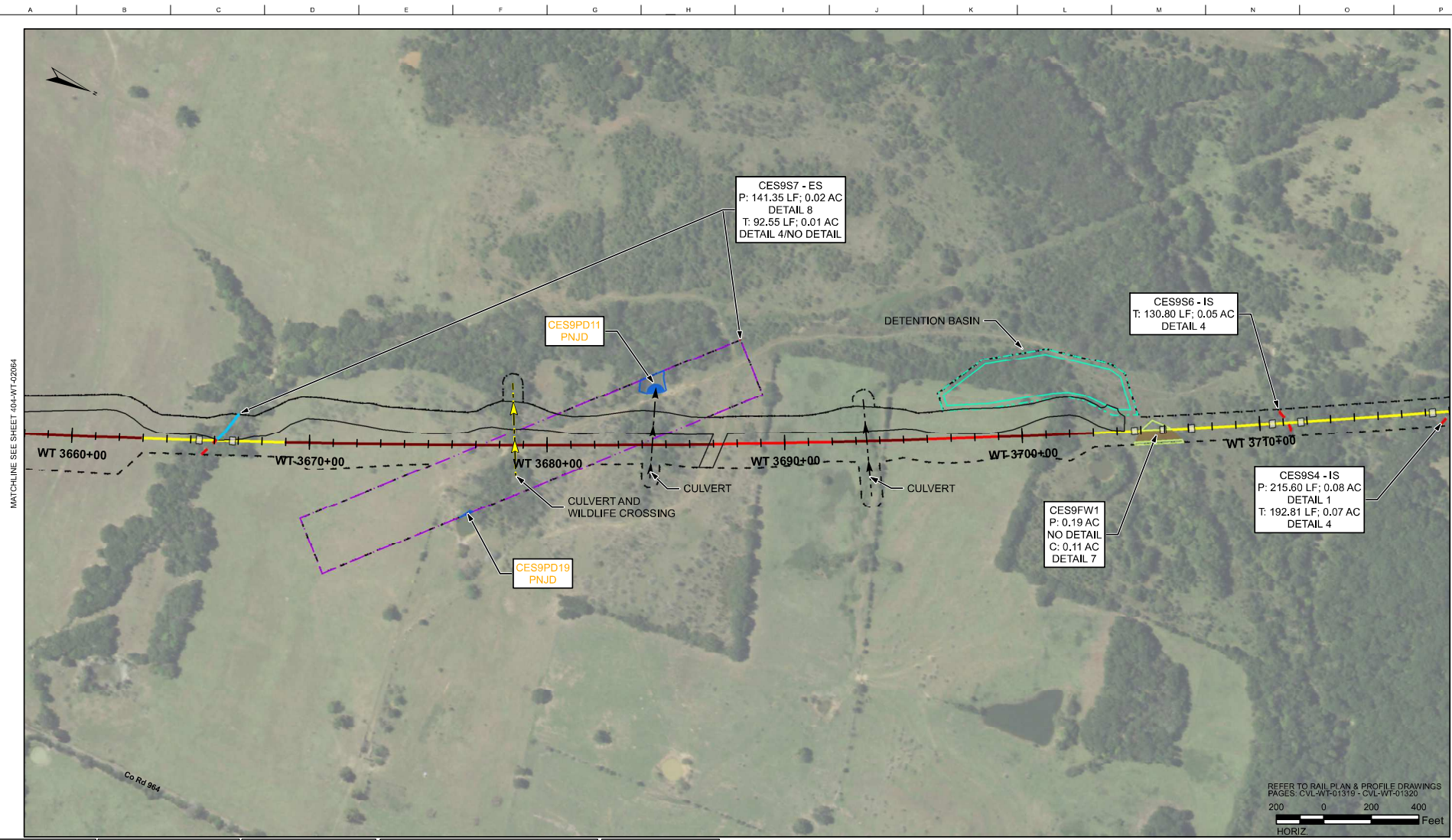
FREES NICHOLS
 2711 North Haskell Ave., Suite 3300
 Dallas, Texas 75204
 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 3600+21 TO WT 3660+23

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02064 |
| Rev 02 | |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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. (ERMISA) | |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

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PLAN

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

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

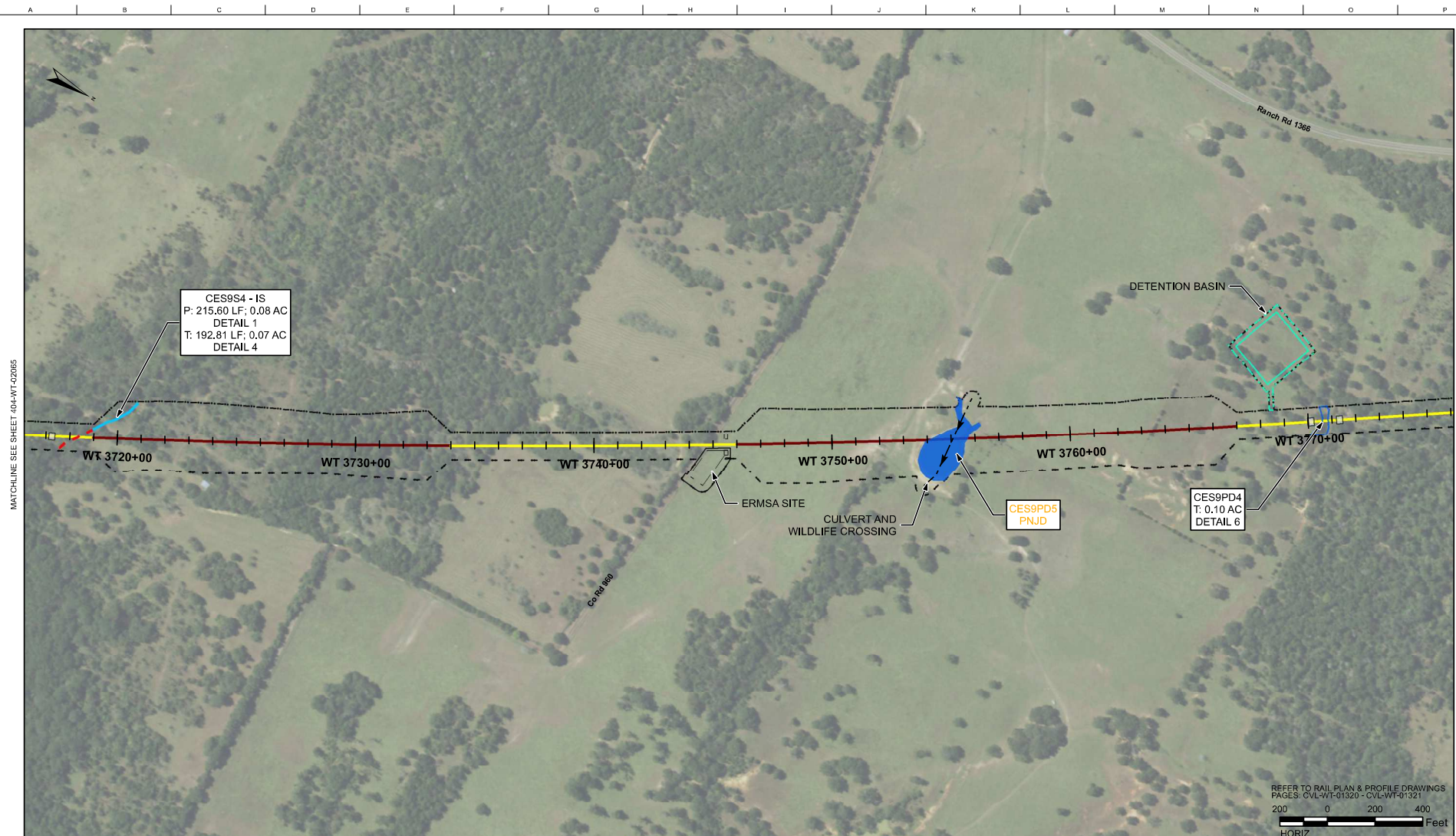
ARUP
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Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1409 South Lamar Street, Suite 1022, Dallas, Texas 75215

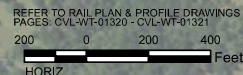
Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 3657+99 TO WT 3718+01

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02065 |
| Rev 02 | |



MATCHLINE SEE SHEET 404-WT-02065

MATCHLINE SEE SHEET 404-WT-02067



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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 - ONLY APPLIES IN USACE FORT WORTH DISTRICT.

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

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

ARUP
 Arup Texas, Inc.
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 www.arup.com
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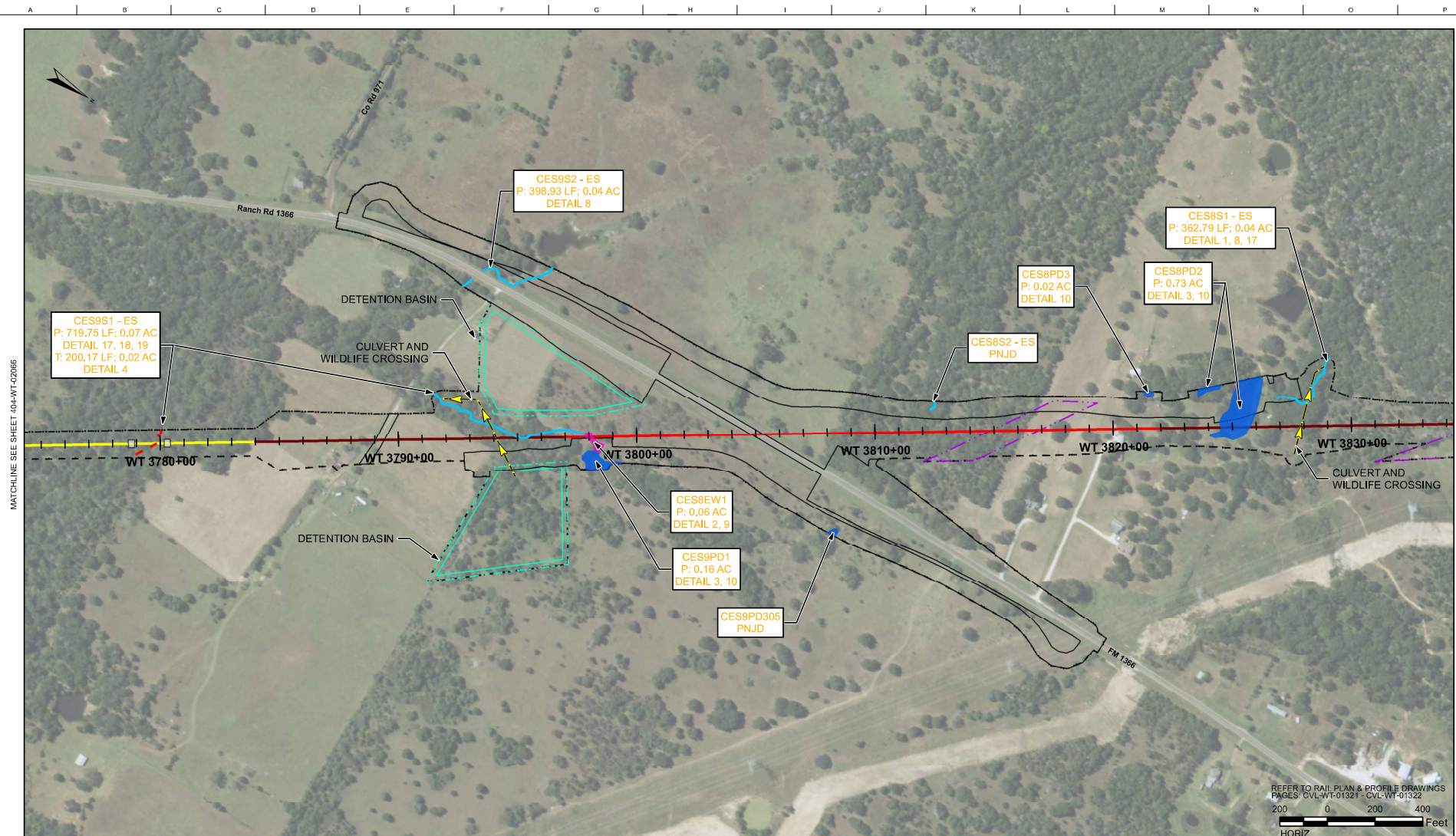
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 Tel (214) 217 2200 Fax (214) 217 2201
 www.fnco.com
 Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 3716+09 TO WT 3776+11

Scale
AS SHOWN
 Drawing Status
NOT FOR CONSTRUCTION
 Job No. 234180 Drawing No. 404-WT-02066 Rev. 02



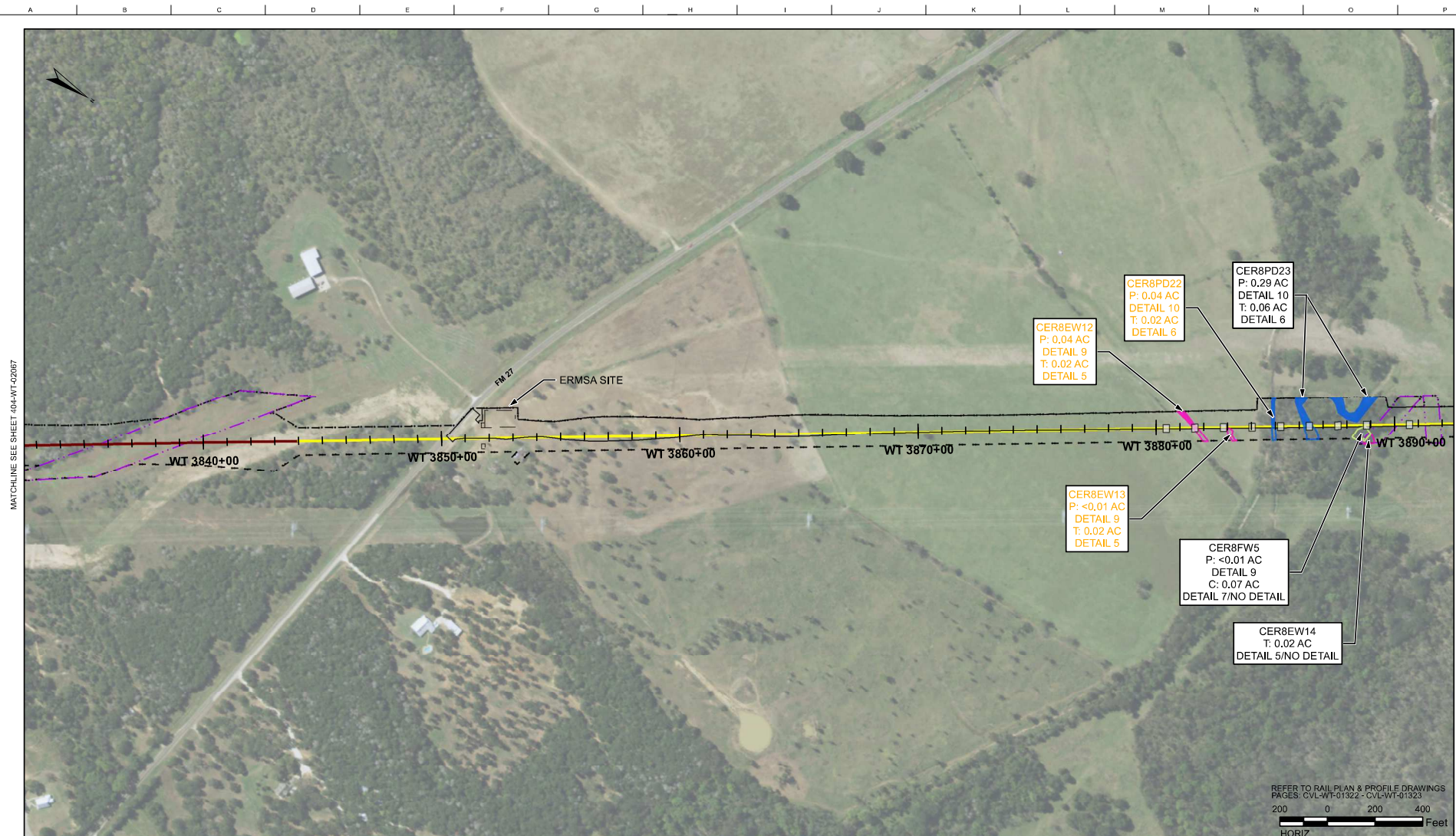
| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - 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 | |

PLAN

NOTES:

- POTENTIALLY NON-JURISDICTIONAL WATERBODIES DO NOT INCLUDE IMPACT QUANTITIES.
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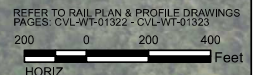




| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|-----|------|----|-----|-----|-------------------|
| | | | | | FINAL, REVISION 1 |
| | | | | | FINAL, REVISION 2 |

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

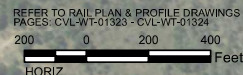
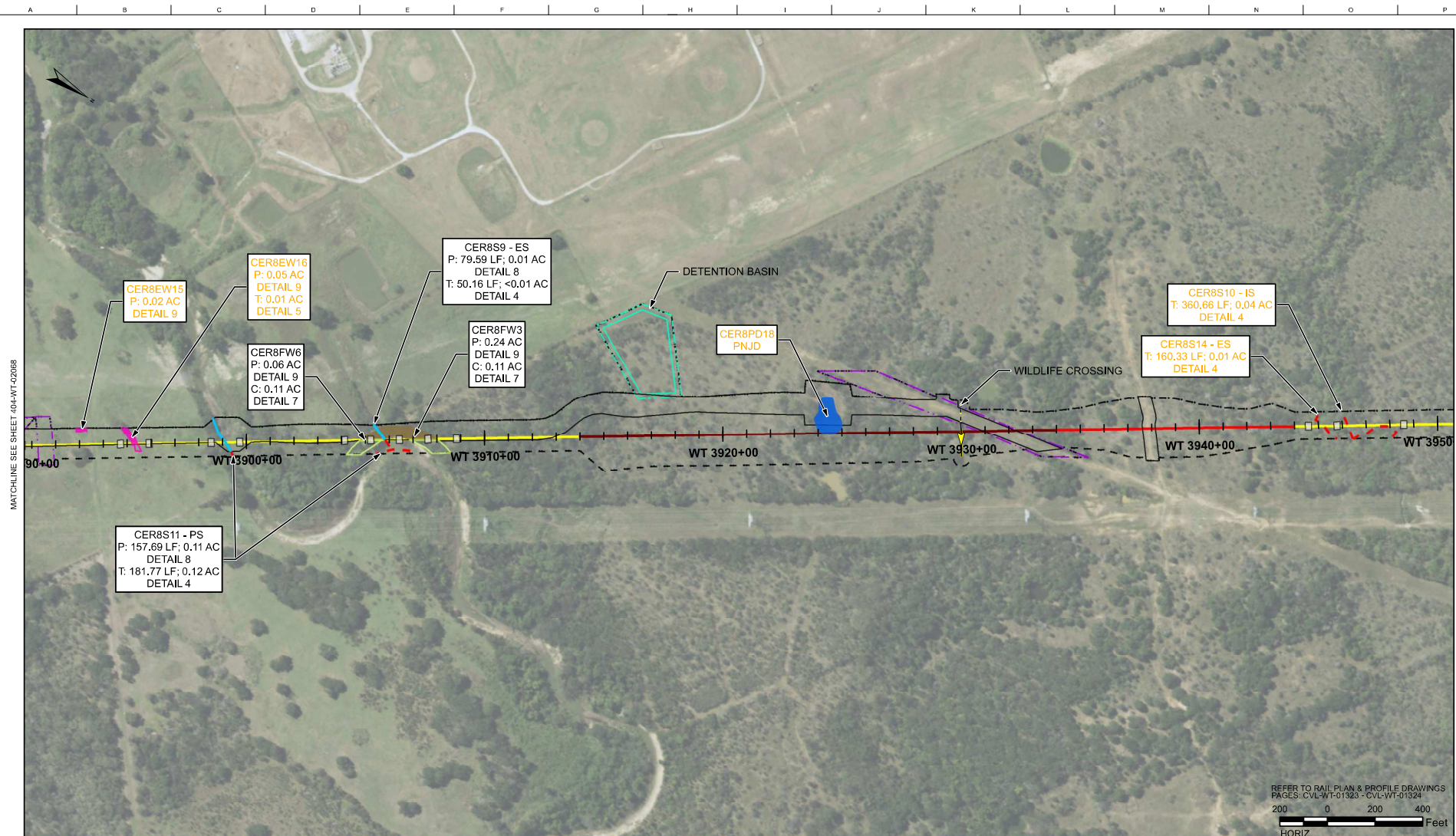
DALLAS TO HOUSTON
 HIGH-SPEED RAIL
 APPLICANT: TCR
 SWF-2011-00483



Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 3832+49 TO WT 3892+49

Scale: AS SHOWN
 Drawing Status: NOT FOR CONSTRUCTION

JOB No: 234180
 Drawing No: 404-WT-02068
 Rev: 02



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| 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 | |

PLAN

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

DESIGNED BY
H. MYERS

DRAWN BY
M. KINZER

CHECKED BY
R. ALDREDGE

IN CHARGE
R. ZARATE

DATE
DEC. 2019

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

ARUP
Arup Texas, Inc.
10370 Northwest Ave., Suite 475
Houston, Texas 77042 USA
Tel (713) 783 2787 Fax (713) 434 1467
www.arup.com
Texas Registered Engineering Firm: F-1590

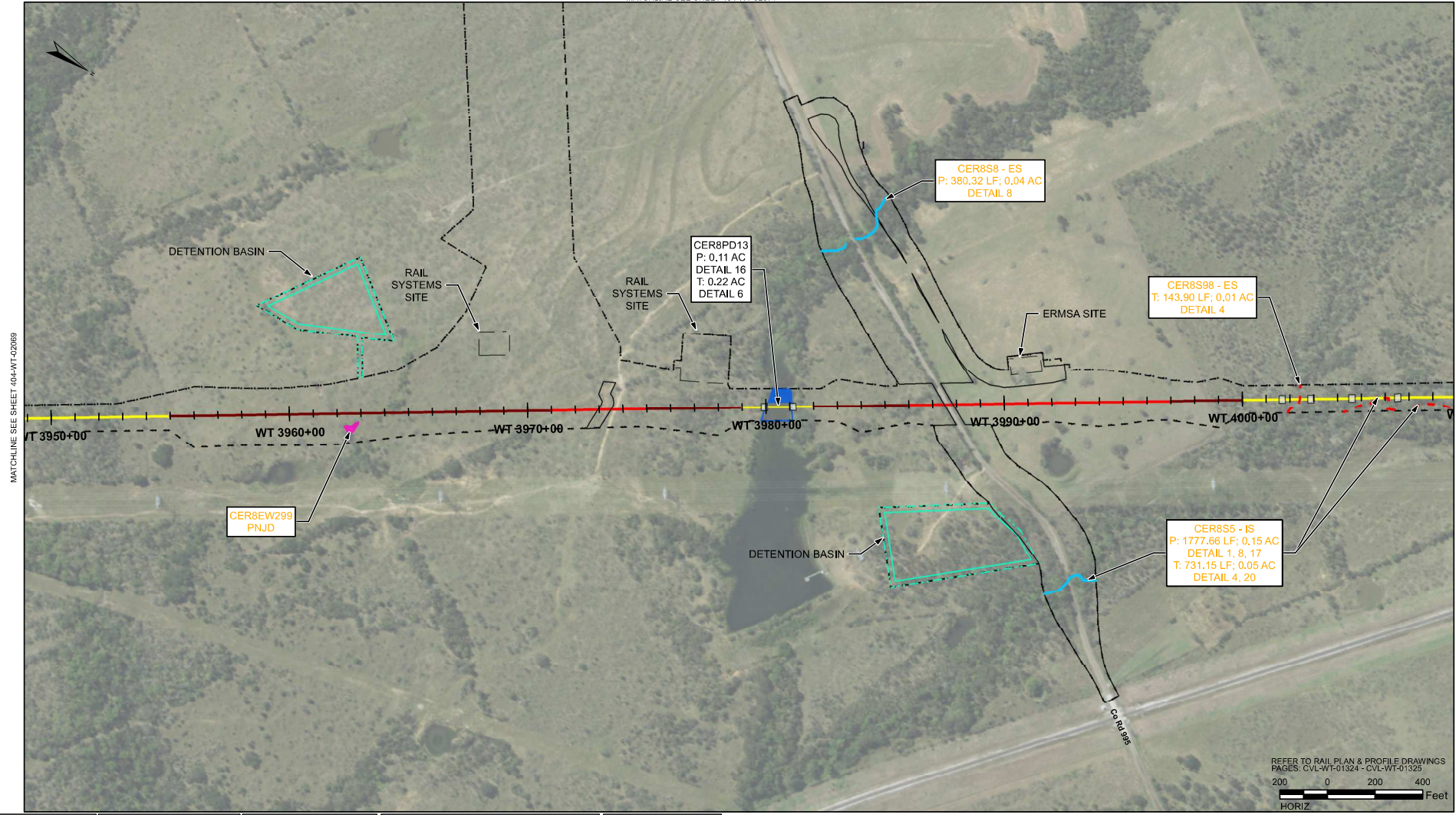
FRESE NICHOLS
2711 North Haskell Ave., Suite 3300
Dallas, Texas 75204
Tel (214) 217 2200 Fax (214) 217 2201
www.fnco.com
Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
STA WT 3890+69 TO WT 3950+68

| | |
|--------------------------|---|
| Scale AS SHOWN | Drawing Status NOT FOR CONSTRUCTION |
| JOB No. 234180 | Drawing No. 404-WT-02069 |
| Rev 02 | |

MATCHLINE SEE SHEET 404-WT-02071

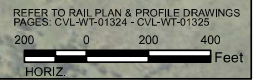


| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER |
|------------------------|---------------------|--------------------|--|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) |
| EMBANKMENT | FORESTED WETLAND | POND | PERMANENT UTILITIES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

| MAP SYMBOLOLOGY |
|----------------------------|
| CULVERT FLOW - ROB |
| CULVERT FLOW - OPEN BOTTOM |

PLAN

- NOTES:
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| REV | DATE | BY | CHK | APP | DESCRIPTION |
|-----|------|----|-----|-----|-------------------|
| | | | | | FINAL, REVISION 1 |
| | | | | | FINAL, REVISION 2 |

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

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



Drawing Title: WEST OF TEAGUE SEGMENT
 PLAN VIEW (FRA SEG. 4)
 STA WT 3948+88 TO WT 4008+87

| Scale | AS SHOWN |
|-------------|--------------|
| 300 No. | 234180 |
| Drawing No. | 404-WT-02070 |
| Rev | 02 |



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

| 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/EMERG. RESR. (ERMSA) |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS |

| | |
|-------------------|--------------------------------|
| FINAL, REVISION 1 | DRAWN BY H. MYERS |
| FINAL, REVISION 2 | CHECKED BY M. KINZER |
| | IN CHARGE R. ZARATE |
| | DATE DEC. 2019 |

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

ARUP
Arup Texas, Inc.
10070 Westwood Ave., Suite 475
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www.arup.com
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Tel (214) 217 2200 Fax (214) 217 2201
www.fnco.com
Texas Registered Engineering Firm: F-2144

DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING

TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

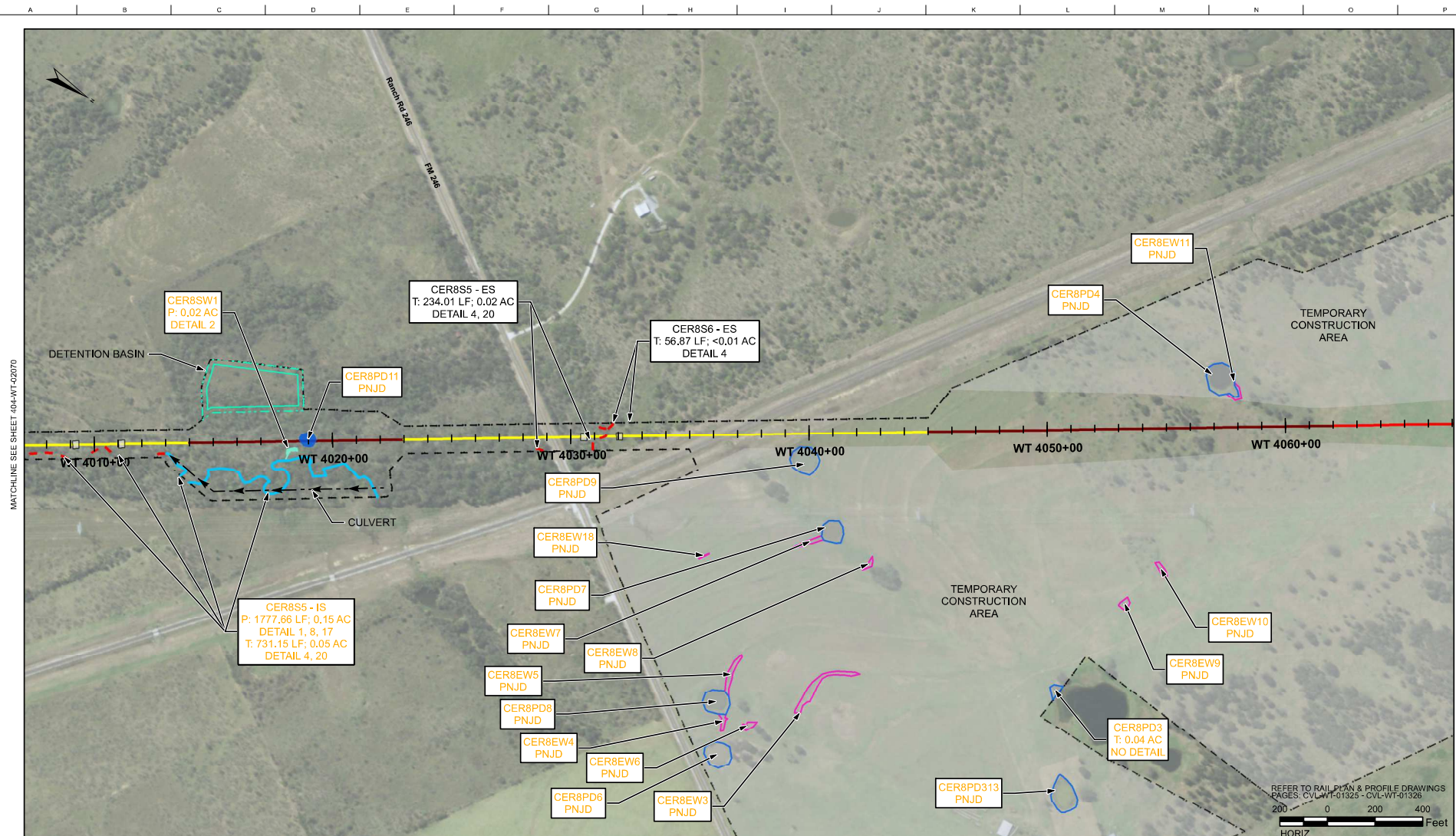
Scale: **AS SHOWN**

Drawing Title: **WEST OF TEAGUE SEGMENT**

Drawing Status: **NOT FOR CONSTRUCTION**

Plan View (FRA SEG. 4)
MATCHLINE 404-WT-02070

| | | |
|-------------------|-----------------------------|------------|
| JOB No. 234180 | Drawing No. 404-WT-02071 | Rev. 02 |
|-------------------|-----------------------------|------------|



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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 | |

MATCHLINE SEE SHEET 404-WT-02073

PLAN

NOTES:

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REFER TO RAIL PLAN & PROFILE DRAWINGS PAGES: CVL-WT-01325 - CVL-WT-01326

200 0 200 400 Feet

HORIZ

| | | | | | | | | | | | | | | | | | | | | |
|---|------|------|-----|-----|-------------|-------------|--|--|--|--|--|--|--|---|--|---|--|--|--|--|
| <table border="1"> <tr> <td>REV</td> <td>DATE</td> <td>BY</td> <td>CHK</td> <td>APP</td> <td>DESCRIPTION</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> | REV | DATE | BY | CHK | APP | DESCRIPTION | | | | | | | FINAL, REVISION 1 FINAL, REVISION 2 | DESIGNED BY H. MYERS DRAWN BY M. KINZER CHECKED BY R. ALDREDGE IN CHARGE R. ZARATE DATE DEC. 2019 | DALLAS TO HOUSTON HIGH-SPEED RAIL APPLICANT: TCR SWF-2011-00483 | ARUP Arup Texas, Inc. 10270 Westwood Ave., Suite 475 Houston, Texas 77042 USA Tel (713) 783 2787 Fax (713) 434 1467 www.arup.com Texas Registered Engineering Firm: F-1590 | FRESE NICHOLS 2714 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 | DALLAS TO HOUSTON HIGH-SPEED RAIL FINAL CONCEPTUAL ENGINEERING TEXAS CENTRAL 1408 South Lamar Street, Suite 1022, Dallas, Texas 75215 | Drawing Title WEST OF TEAGUE SEGMENT PLAN VIEW (FRA SEG. 4) STA WT 4007+07 TO WT 4067+06 | Scale AS SHOWN Drawing Status NOT FOR CONSTRUCTION Job No. 234180 Drawing No. 404-WT-02072 Rev. 02 |
| REV | DATE | BY | CHK | APP | DESCRIPTION | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |

MATCHLINE SEE SHEET 404-WT-02072



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

| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| 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. RESP. (ERMSA) | |
| VIADUCT | STREAMS | CONVERSION WETLAND | PIER PILE CAP LOCATIONS | |

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PLAN

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

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

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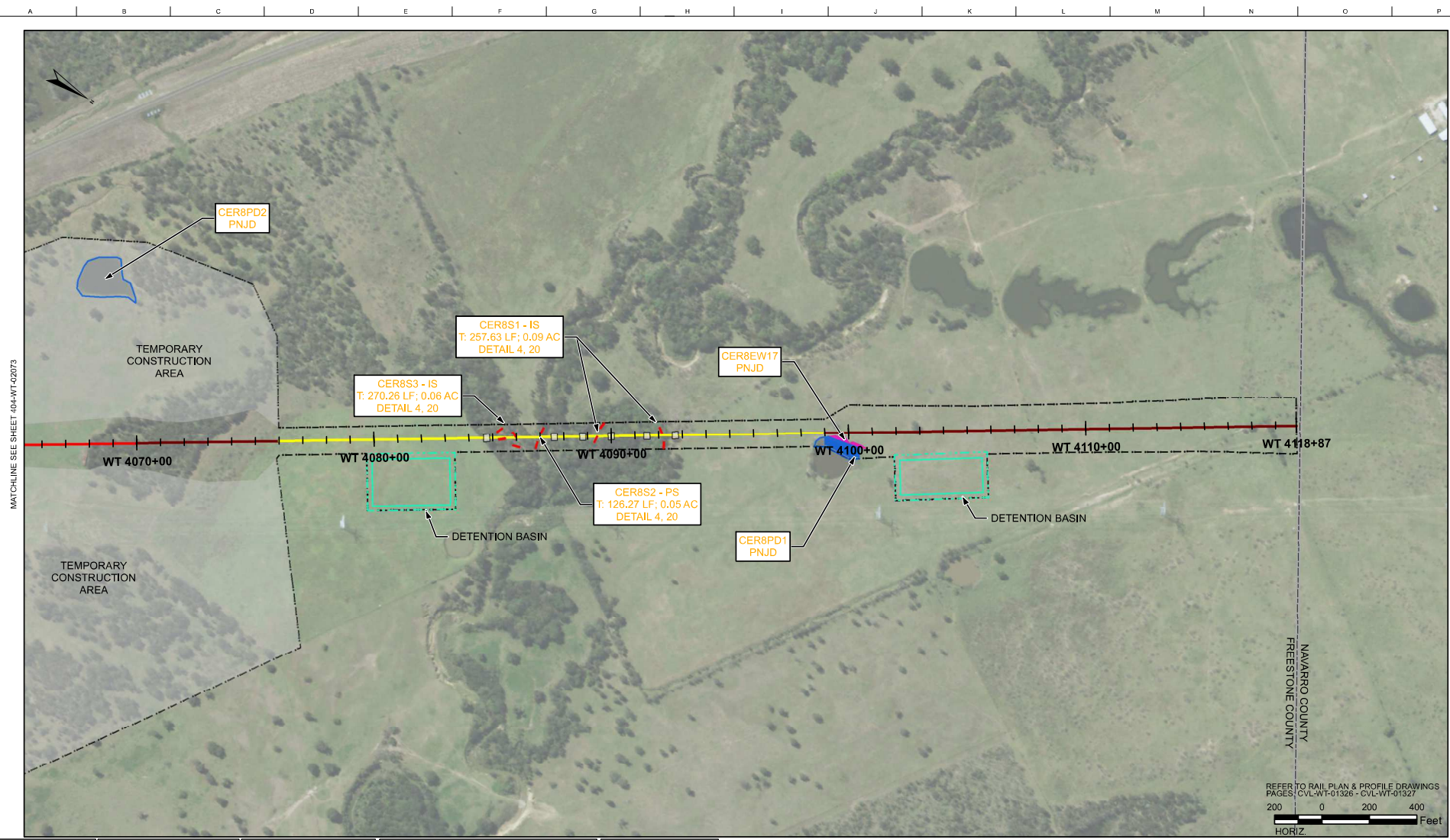
DALLAS TO HOUSTON HIGH-SPEED RAIL
FINAL CONCEPTUAL ENGINEERING
TEXAS CENTRAL
1408 South Lamar Street, Suite 1022, Dallas, Texas 75215

Drawing Title
WEST OF TEAGUE SEGMENT
PLAN VIEW (FRA SEG. 4)
MATCHLINE 404-WT-02072

Scale
AS SHOWN

Drawing Status
NOT FOR CONSTRUCTION

| | | |
|--------|--------------|-----|
| JOB No | Drawing No | Rev |
| 234180 | 404-WT-02073 | 02 |



| RAIL CONSTRUCTION TYPE | PERMANENT IMPACTS | TEMPORARY IMPACTS | OTHER | MAP SYMBOLOLOGY |
|------------------------|---------------------|--------------------|--|----------------------------|
| CUT | EMERGENT WETLAND | EMERGENT WETLAND | LIMITS OF DISTURBANCE (CONSTRUCTION FOOTPRINT) | CULVERT FLOW - RGB |
| EMBANKMENT | FORESTED WETLAND | POND | PERMANENT UTILITIES IMPACTS | CULVERT FLOW - OPEN BOTTOM |
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 www.freese-nichols.com
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DALLAS TO HOUSTON HIGH-SPEED RAIL
 FINAL CONCEPTUAL ENGINEERING

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

| | | | |
|--|--|---------------------------------|--|
| Drawing Title: WEST OF TEAGUE SEGMENT | | Scale: AS SHOWN | |
| Drawing Status: NOT FOR CONSTRUCTION | | Drawing No: 404-WT-02074 | |
| JOB No: 234180 | | Rev: 02 | |
| PLAN VIEW (FRA SEG. 4) | | STA WT 4065+26 TO WT 4118+87 | |