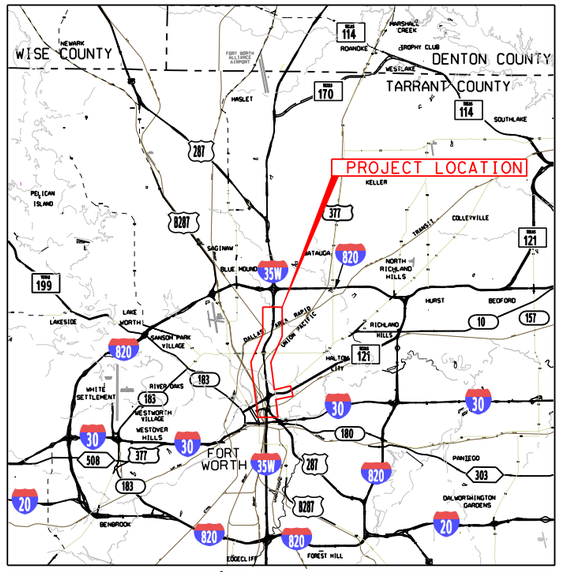
NORTH TARRANT EXPRESS
SEGMENT 3A
PRELIMINARY MANDATORY SCHEMATIC

September 20, 2012



Location / Key Map

ROADWAY	DESIGN SPEED
GENERAL PURPOSE (BEG. UNTIL STA. 932+00).....	70 MPH
GENERAL PURPOSE (STA. 932+00 TO SOUTHERNMOST CONSTRUCTION LIMIT).....	55 MPH
MANAGED LANES (BEG. UNTIL STA. 932+00).....	70 MPH
MANAGED LANES (STA. 932+00 TO SOUTHERNMOST CONSTRUCTION LIMIT).....	55 MPH
FRONTAGE ROADS.....	40 MPH
RAMPS/COLLECTORS.....	50 MPH
CROSS (CITY) STREET (INCLUDING SPUR 280).....	35 MPH *
COLLECTOR DISTRIBUTOR.....	40 MPH
LOOP RAMP.....	25 MPH

* AS PER THE NORTH TARRANT EXPRESS SEGMENT 3A AND 3B BOOK 2 TABLE 11-1, NOTE 17.

ALL DESIGN VALUES HAVE BEEN MET PER THE REQUIREMENTS OF THE NORTH TARRANT EXPRESS MDP CDA GEOMETRIC DESIGN CRITERIA INCLUDING THE NOTES OF GEOMETRIC DEVIATIONS WITHIN THE SAME DOCUMENT, ALONG WITH ALL THE RFI'S SUBMITTED TO TxDOT DURING THE MASTER DEVELOPMENT AGREEMENT FOR THIS SEGMENT, FACILITY AGREEMENT BOOK 2

NOTES:

1. THE PROPOSAL SCHEMATICS ARE PRELIMINARY AND SUBJECT TO CHANGE. THE LOCATION OF ALL BRIDGE BENTS AND ABUTMENTS IS PRELIMINARY AND SUBJECT TO MODIFICATION DURING DETAIL DESIGN PHASE. ALL MODIFICATIONS WILL BE WITHIN THE STRUCTURAL REQUIREMENTS STATED ON CDA FOR BOOK 2. THE LOCATION OF ALL RETAINING WALLS IS PRELIMINARY AND SUBJECT TO MODIFICATION DURING DETAIL DESIGN PHASE.

2. IN ORDER TO REDUCE CONSTRUCTION COSTS AT THE INTERSECTION OF SH 121 AND IH35W ON SEGMENT 3A, THE INTERIM GENERAL PURPOSE LANES ON IH-35 SOUTH OF STA. 898+00 WILL MAINTAIN THE EXISTING VERTICAL ALIGNMENT. THE INTERIM GENERAL PURPOSE LANES SOUTH OF STA. 862+20, INCLUDING STRUCTURES, WILL HAVE TO BE DEMOLISHED IN ORDER TO BUILD THE ULTIMATE GENERAL PURPOSE LANES COMPATIBLE WITH THE TxDOT SCHEMATICS FOR ENVIRONMENTAL APPROVAL.

3. ALL TAPER/MERGE LENGTHS MEET BOOK 2 DESIGN REQUIREMENTS

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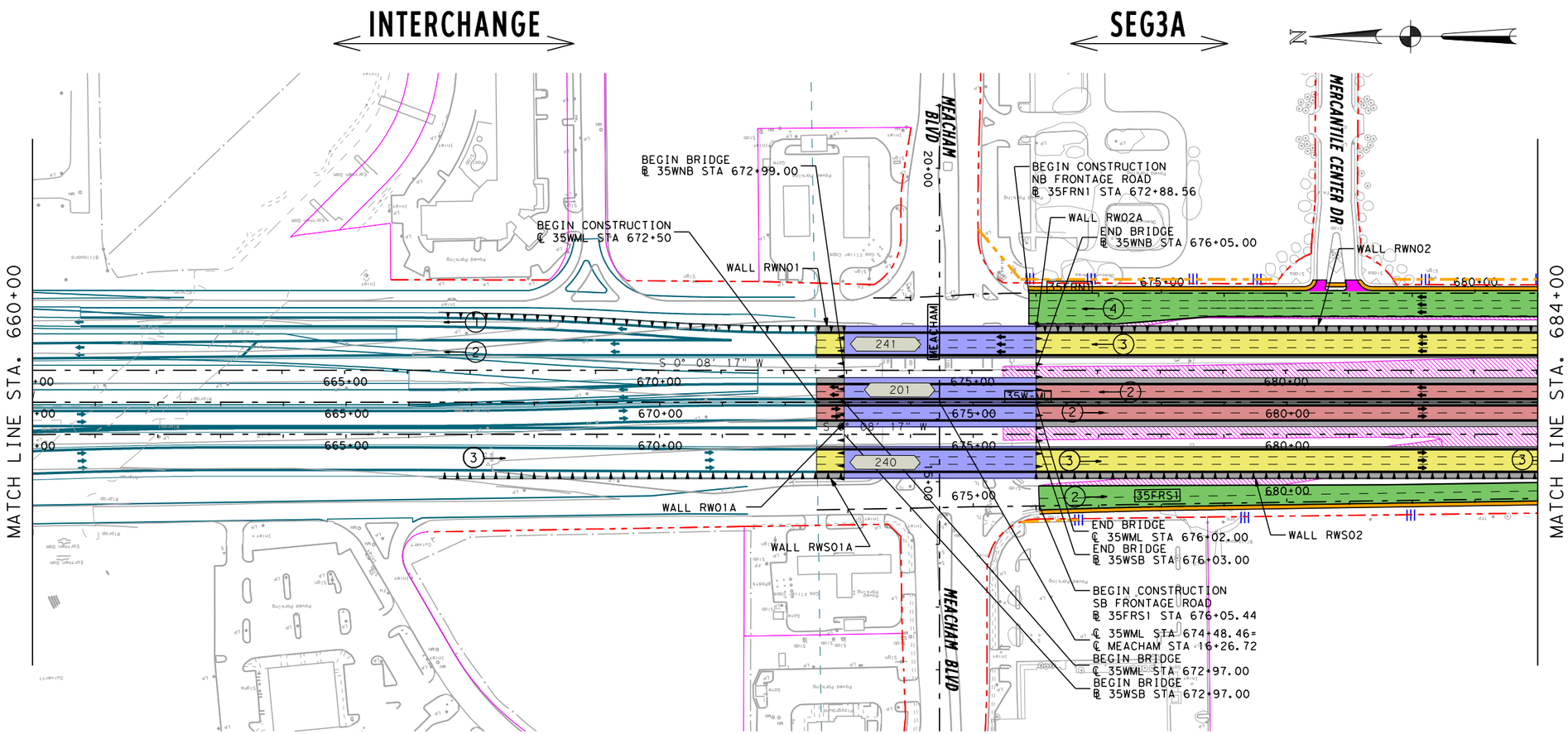
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
ROADWAY	
2-13	IH 35W PLAN
14	SPUR 280 PLAN

REV	DATE	BY	DESCRIPTION



LEGEND

- PROPOSED MAINLANES
- PROPOSED MANAGED LANES
- PROPOSED FRONTAGE ROADS /SURFACE STREET
- PROPOSED DIRECT CONNECTOR /PROPOSED RAMP
- PROPOSED SHOULDERS
- PROPOSED GORE
- PROPOSED SIDE STREET
- TEMPORARY RAMP
- POTENTIAL DISPLACEMENTS
- EXISTING PAVEMENT REMOVAL
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- STRUCTURE LIMITS AND BENTS / COLUMNS PROPOSED STRUCTURE
- SIDEWALK
- (3) NUMBER OF TRAFFIC LANES
- TRAFFIC DIRECTION
- MANAGED LANE TOLL GANTRY
- RAMP TOLL GANTRY
- HOV DECLARATION AREA
- 170W35S ALIGNMENT NAME
- BRIDGE IDENTIFIER
- OVERLAY

PRELIMINARY

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200'

SHEET 1 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.
		2

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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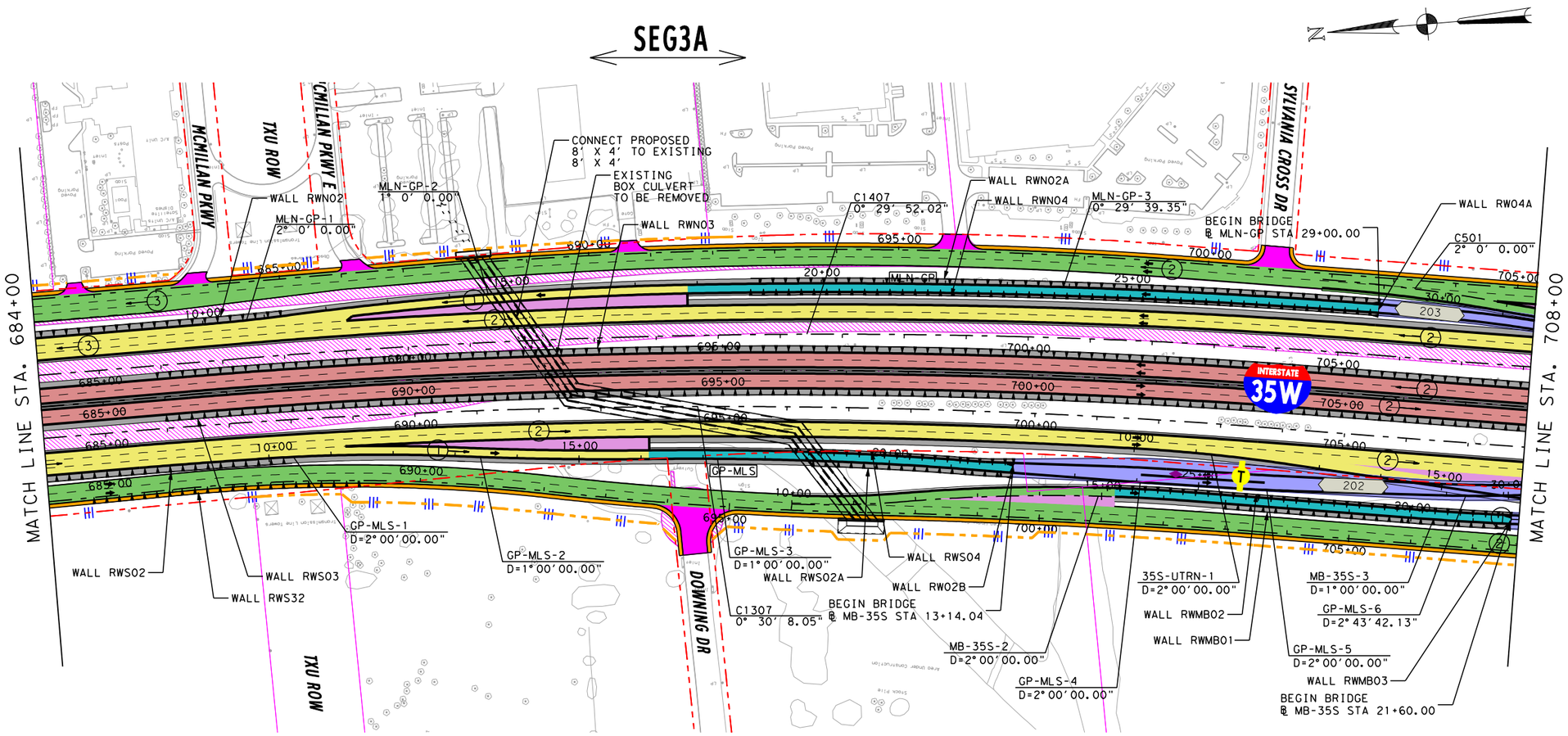

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200' SHEET 2 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
			3
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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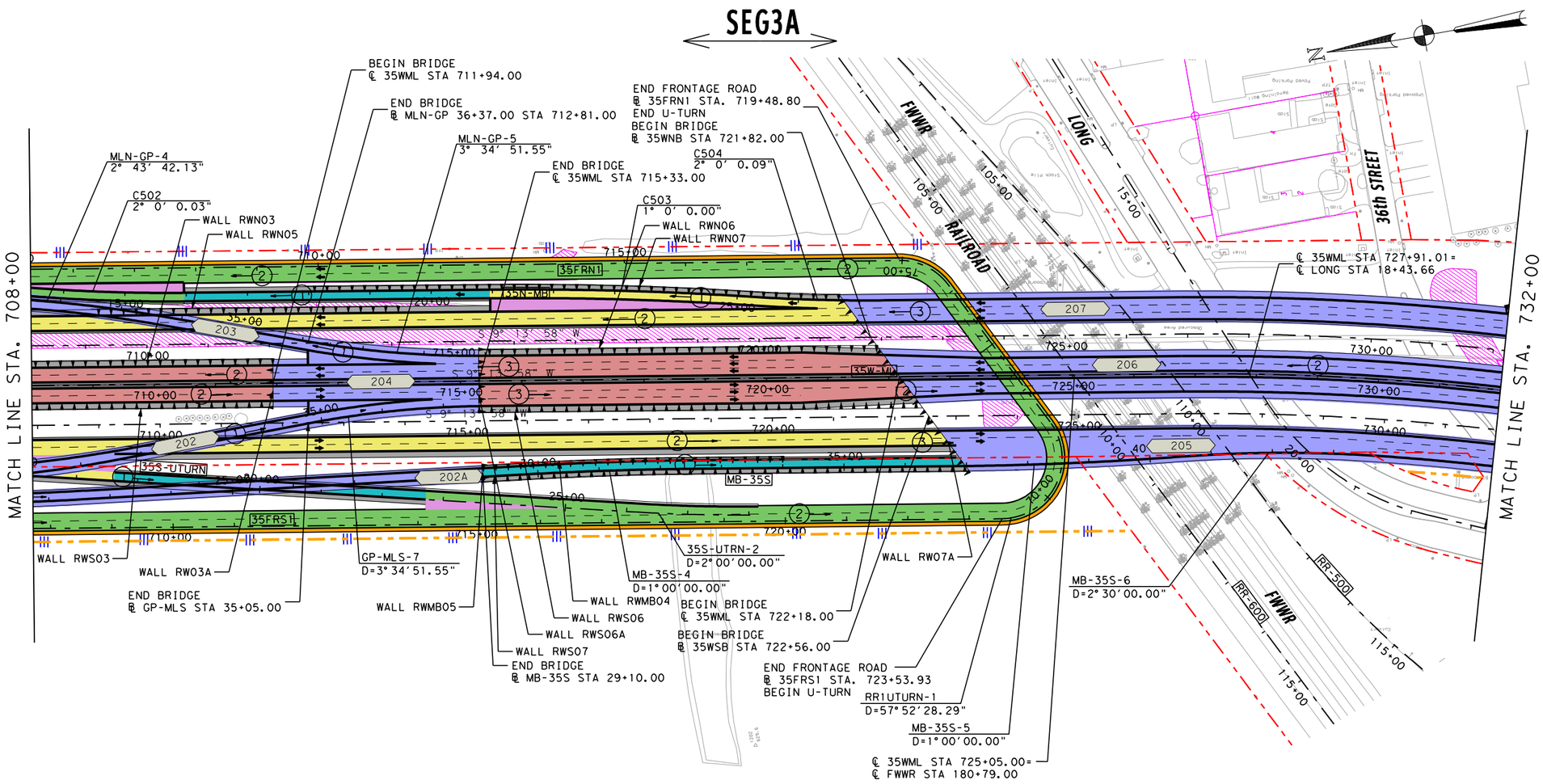

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200' SHEET 3 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
			4
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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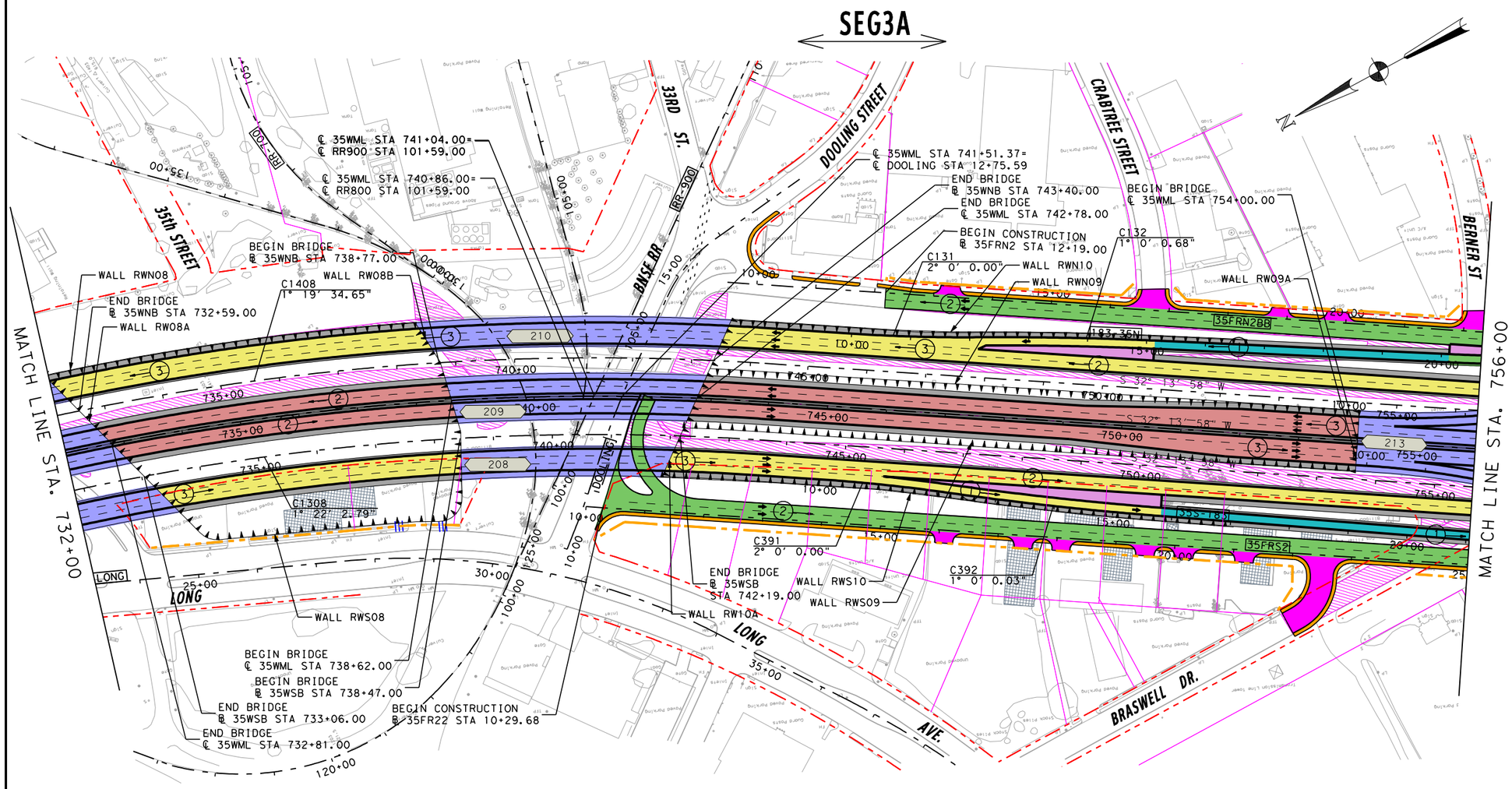

NOTE: CURVE 35WML-4 SHALL COMPLY WITH AN SSD OF 60 MPH AS REQUIRED BY THE NORTH TARRANT EXPRESS MDP CDA GEOMETRIC DESIGN CRITERIA NOTE 12.

LEGEND

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200'

SHEET 4 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.
		5

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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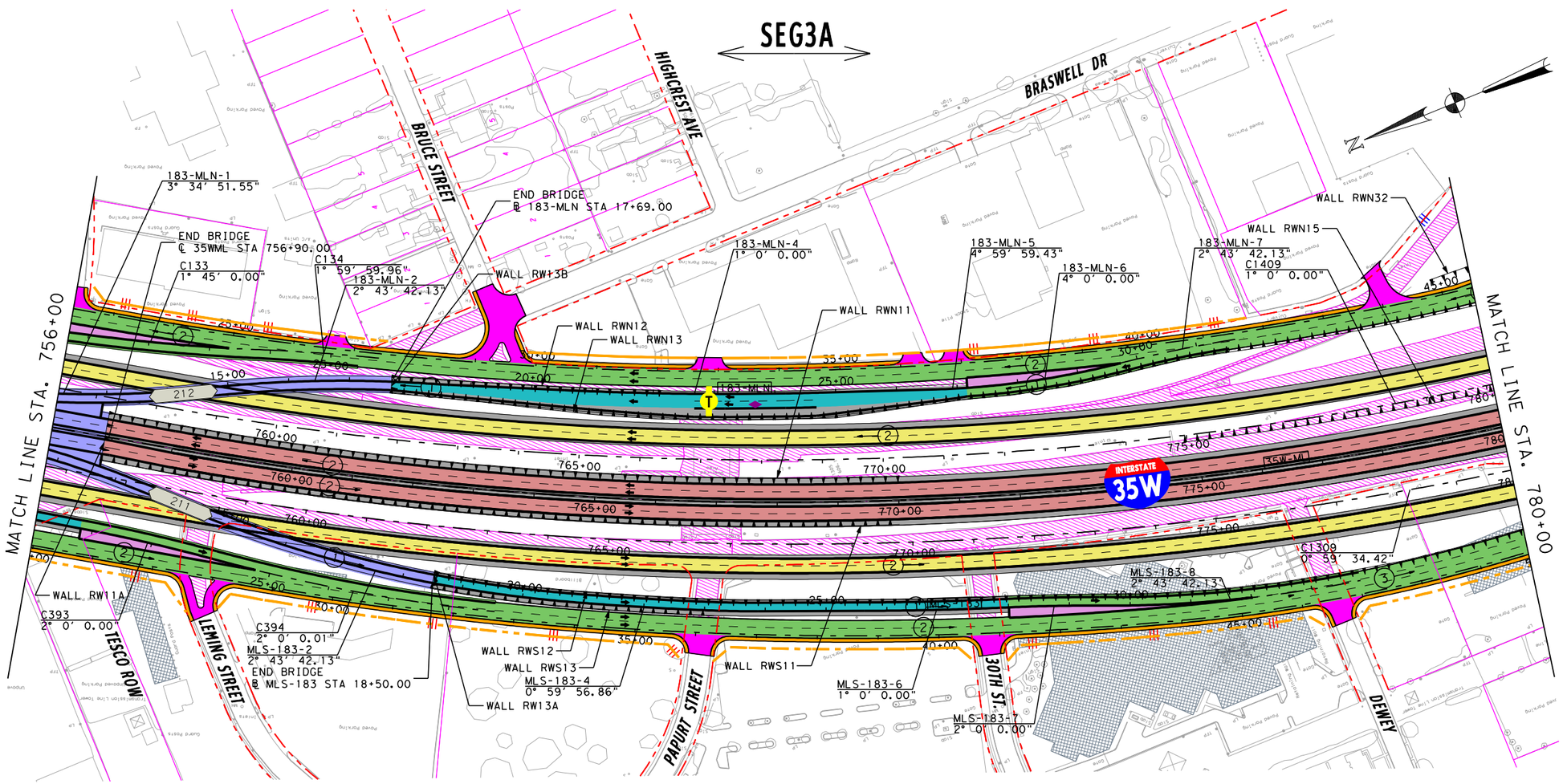

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200' SHEET 5 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
			6
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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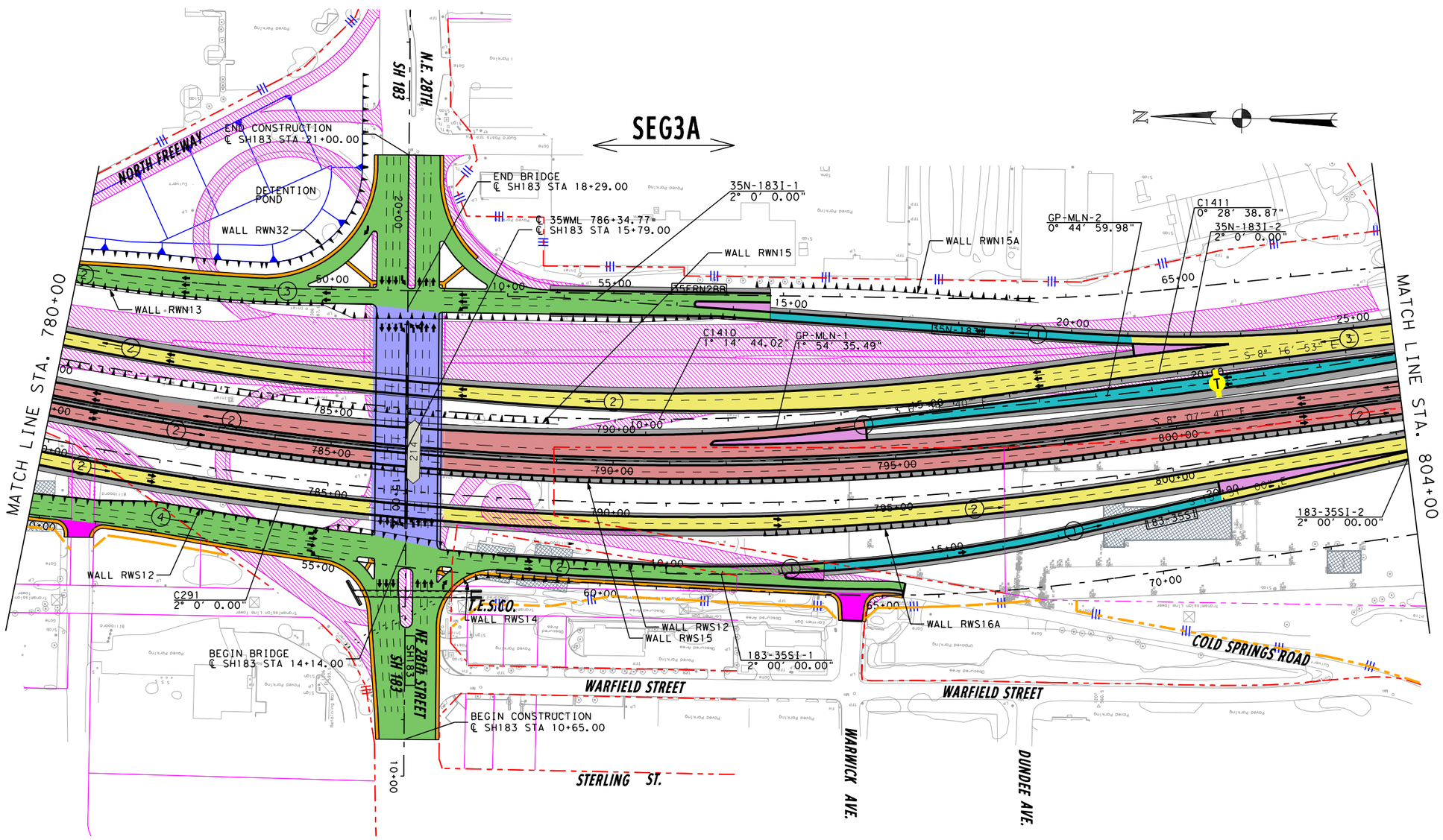

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200'

SHEET 6 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.
		7

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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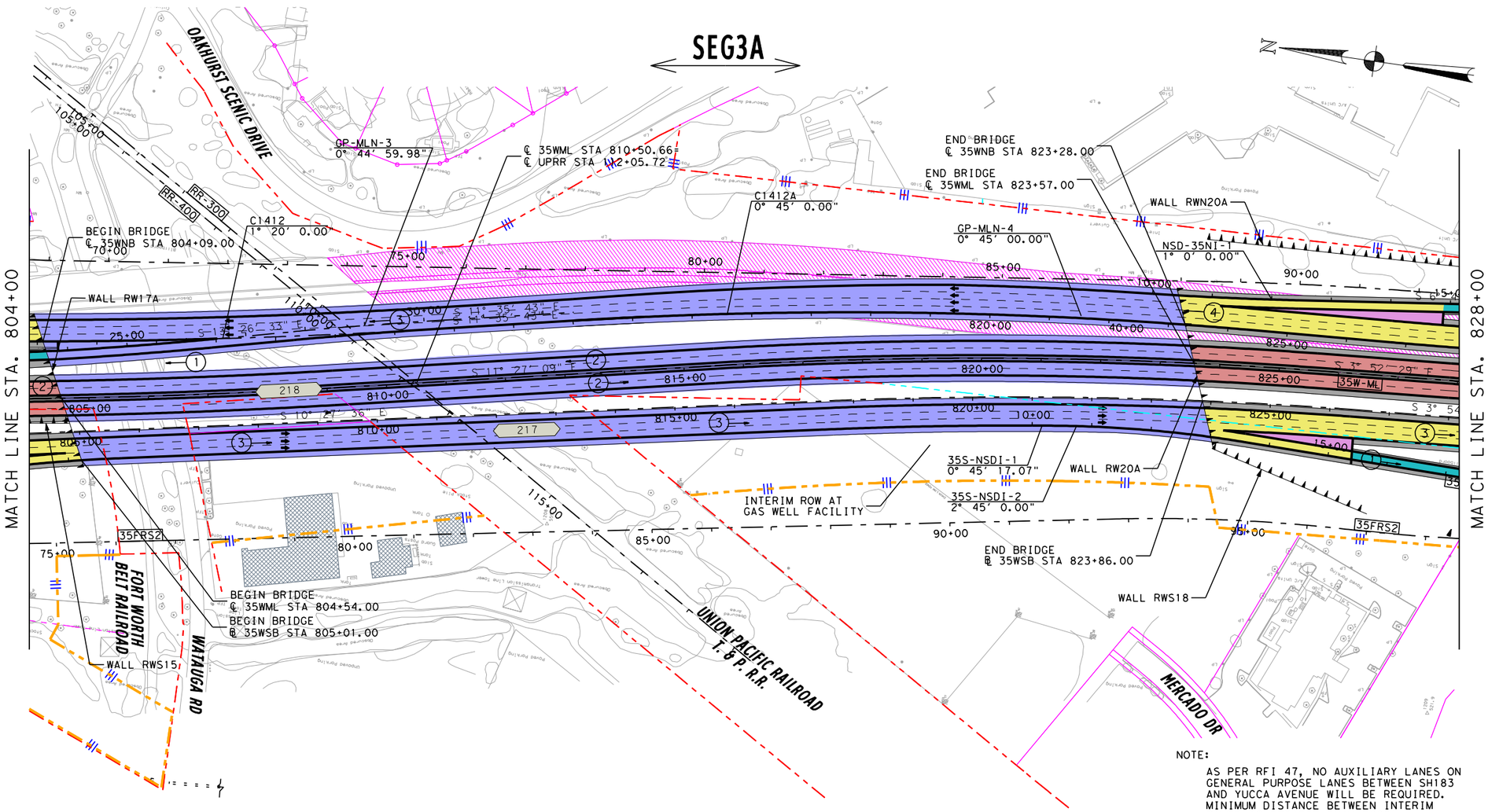

NOTE:

AS PER RFI 47, NO AUXILIARY LANES ON GENERAL PURPOSE LANES BETWEEN SH183 AND YUCCA AVENUE WILL BE REQUIRED. MINIMUM DISTANCE BETWEEN INTERIM RAMPS IS GREATER THAN 2000'.

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200'

SHEET 7 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
			8
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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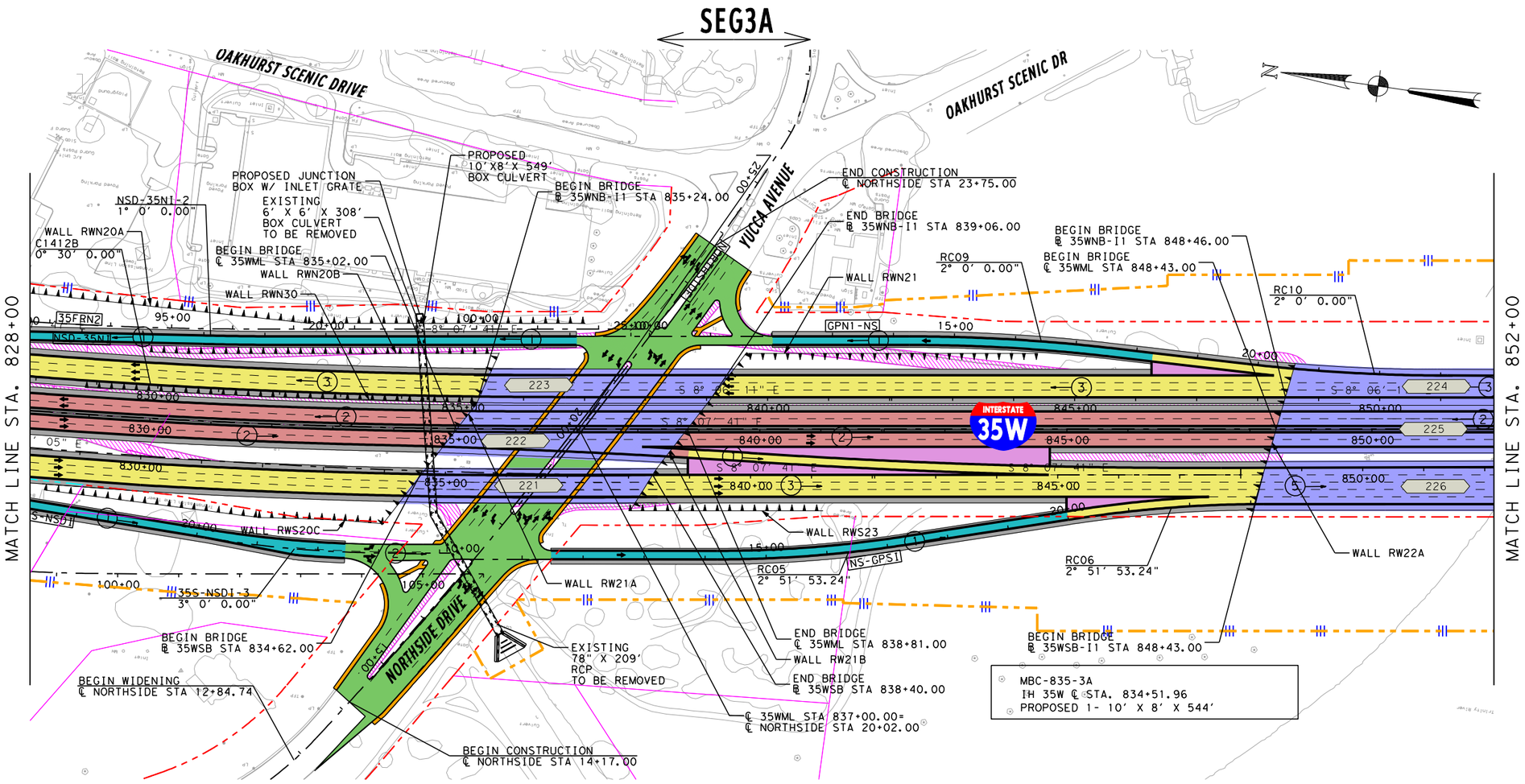

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN & PROFILE

HORZ.: 1" = 200'

SHEET 8 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.
		9

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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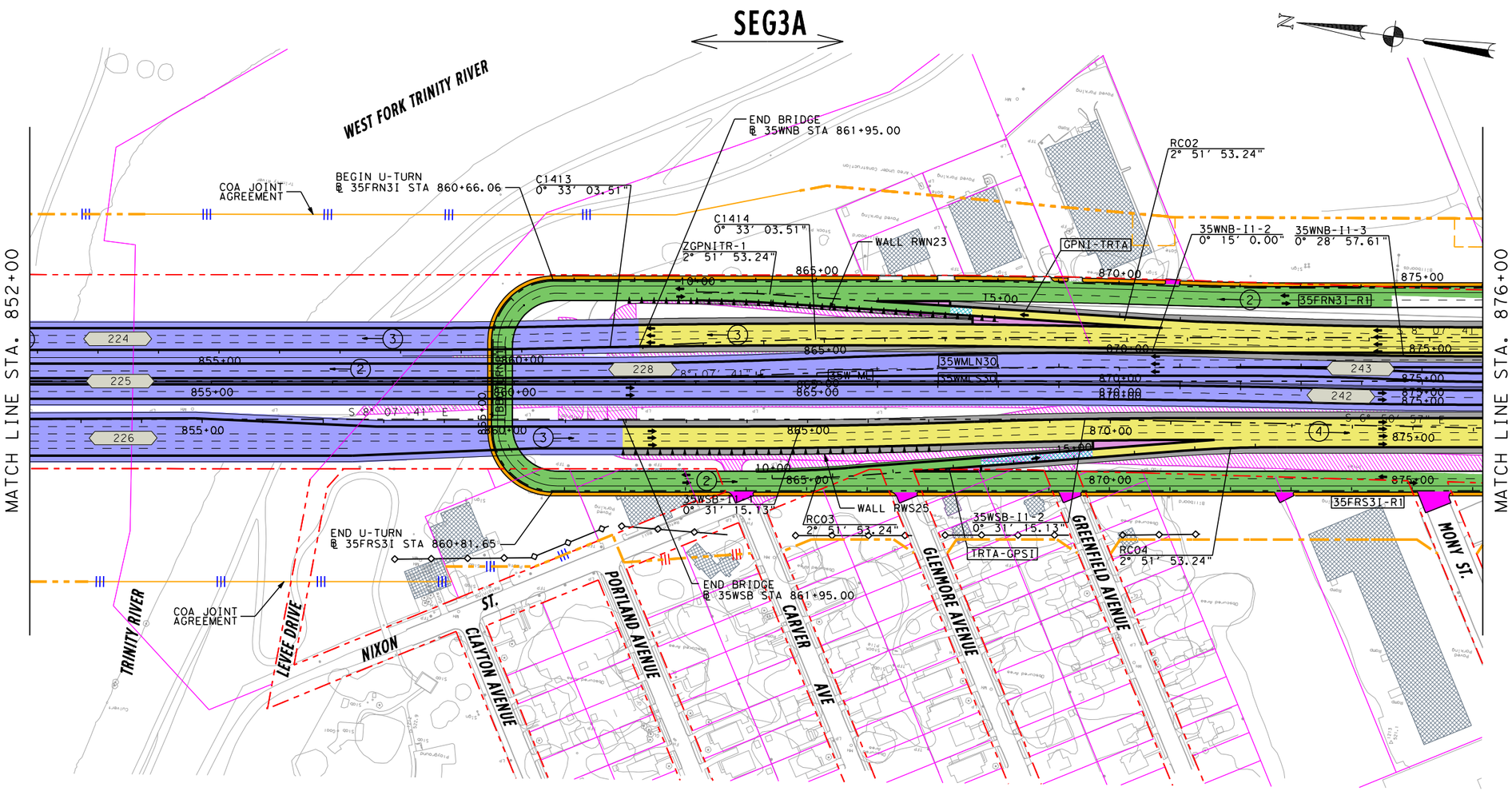

NOTE: DISTANCE BETWEEN RAMPS TRTA-GPSI & GPSI-121 IS LESS THAN 1500'. DESIGN OF THE INTERIM RAMPS IS ALLOWED AS PER RFI 31. DISTANCE BETWEEN RAMPS BELK-GPNI & GPNI-TRTA IS LESS THAN 1500'. DESIGN OF THE INTERIM RAMPS IS ALLOWED AS PER RFI 31.

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200' SHEET 9 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.
		10

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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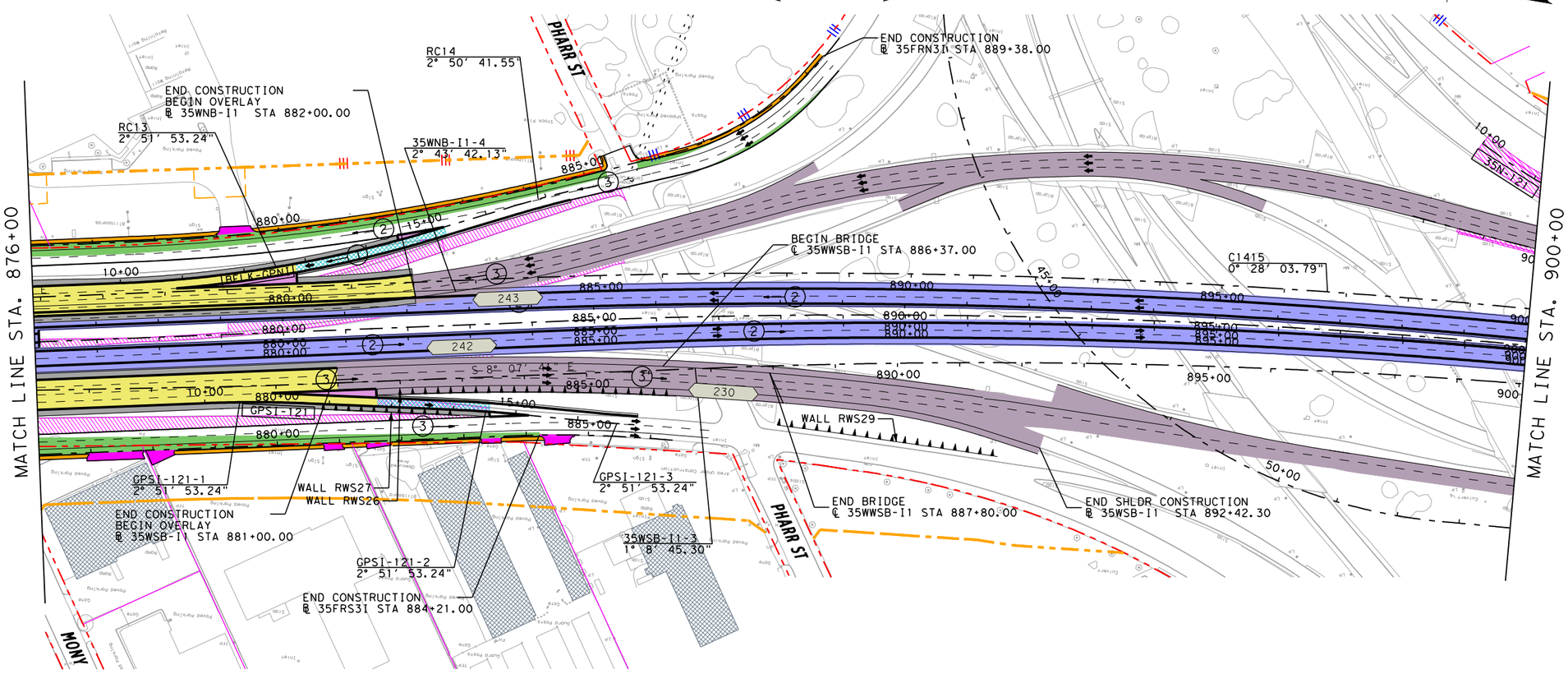
SEG3A



NOTE: DISTANCE BETWEEN RAMPS TRTA-GPSI & GPSI-121 IS LESS THAN 1500'. DESIGN OF THE INTERIM RAMPS IS ALLOWED AS PER RFI 31. DISTANCE BETWEEN RAMPS BELK-GPNI & GPNI-TRTA IS LESS THAN 1500'. DESIGN OF THE INTERIM RAMPS IS ALLOWED AS PER RFI 31.

LEGEND

- PROPOSED MAINLANES
- PROPOSED MANAGED LANES
- PROPOSED FRONTAGE ROADS /SURFACE STREET
- PROPOSED DIRECT CONNECTOR /PROPOSED RAMP
- PROPOSED SHOULDERS
- PROPOSED GORE
- PROPOSED SIDE STREET
- TEMPORARY RAMP
- POTENTIAL DISPLACEMENTS
- EXISTING PAVEMENT REMOVAL
- PREVIOUS CONSTRUCTION BY OTHERS
- PROPOSED RETAINING WALL
- PROPOSED NOISE WALL
- PROPOSED CONTROL-OF-ACCESS
- EXISTING CONTROL-OF-ACCESS
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- PROPOSED DRAINAGE EASEMENT
- ADDITIONAL ROW REQUIRED
- STRUCTURE LIMITS AND BENTS / COLUMNS PROPOSED STRUCTURE
- SIDEWALK
- (3) NUMBER OF TRAFFIC LANES
- TRAFFIC DIRECTION
- MANAGED LANE TOLL GANTRY
- RAMP TOLL GANTRY
- HOV DECLARATION AREA
- 170W35S ALIGNMENT NAME
- BRIDGE IDENTIFIER
- OVERLAY

PRELIMINARY

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W
PLAN

HORZ.: 1" = 200' SHEET 10 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
			11
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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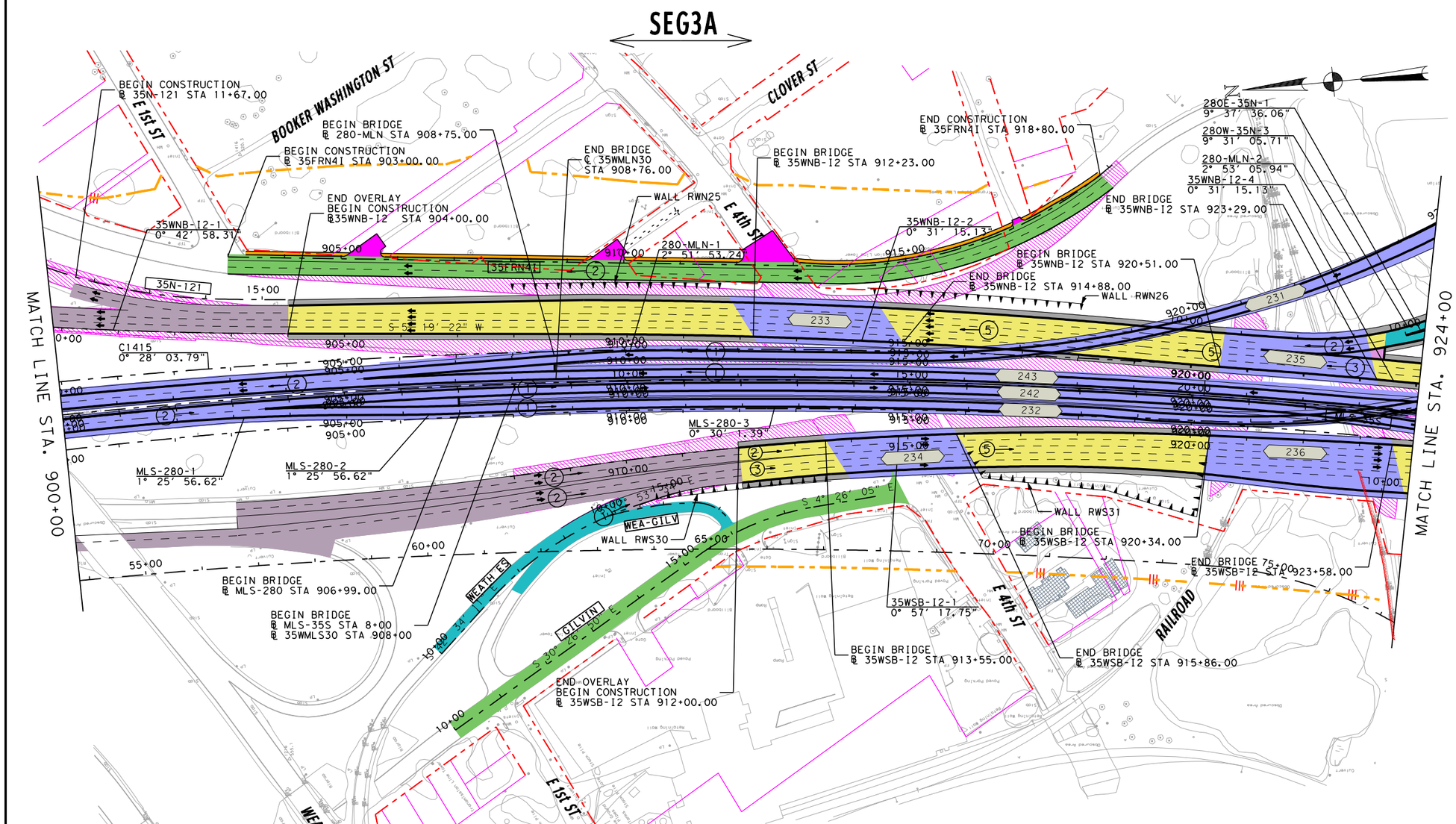

NOTE: DESIGN OF THE INTERIM IH35W GPL SOUTH OF ℄ STATION 898+50 SHALL MEET 55 MPH AS PER RFI 30.

NOTE: ALIGNMENT MLS-280 SHALL BE CLASSIFIED AS CONNECTOR/RAMP. ALIGNMENT 280-MLNI SHALL BE CLASSIFIED AS CONNECTOR/RAMP.

LEGEND

- PROPOSED MAINLANES
- PROPOSED MANAGED LANES
- PROPOSED FRONTAGE ROADS /SURFACE STREET
- PROPOSED DIRECT CONNECTOR /PROPOSED RAMP
- PROPOSED SHOULDERS
- PROPOSED GORE
- PROPOSED SIDE STREET
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- STRUCTURE LIMITS AND BENTS / COLUMNS PROPOSED STRUCTURE
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- MANAGED LANE TOLL GANTRY
- RAMP TOLL GANTRY
- HOV DECLARATION AREA
- 170W35S ALIGNMENT NAME
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- OVERLAY

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200' SHEET 11 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
			12
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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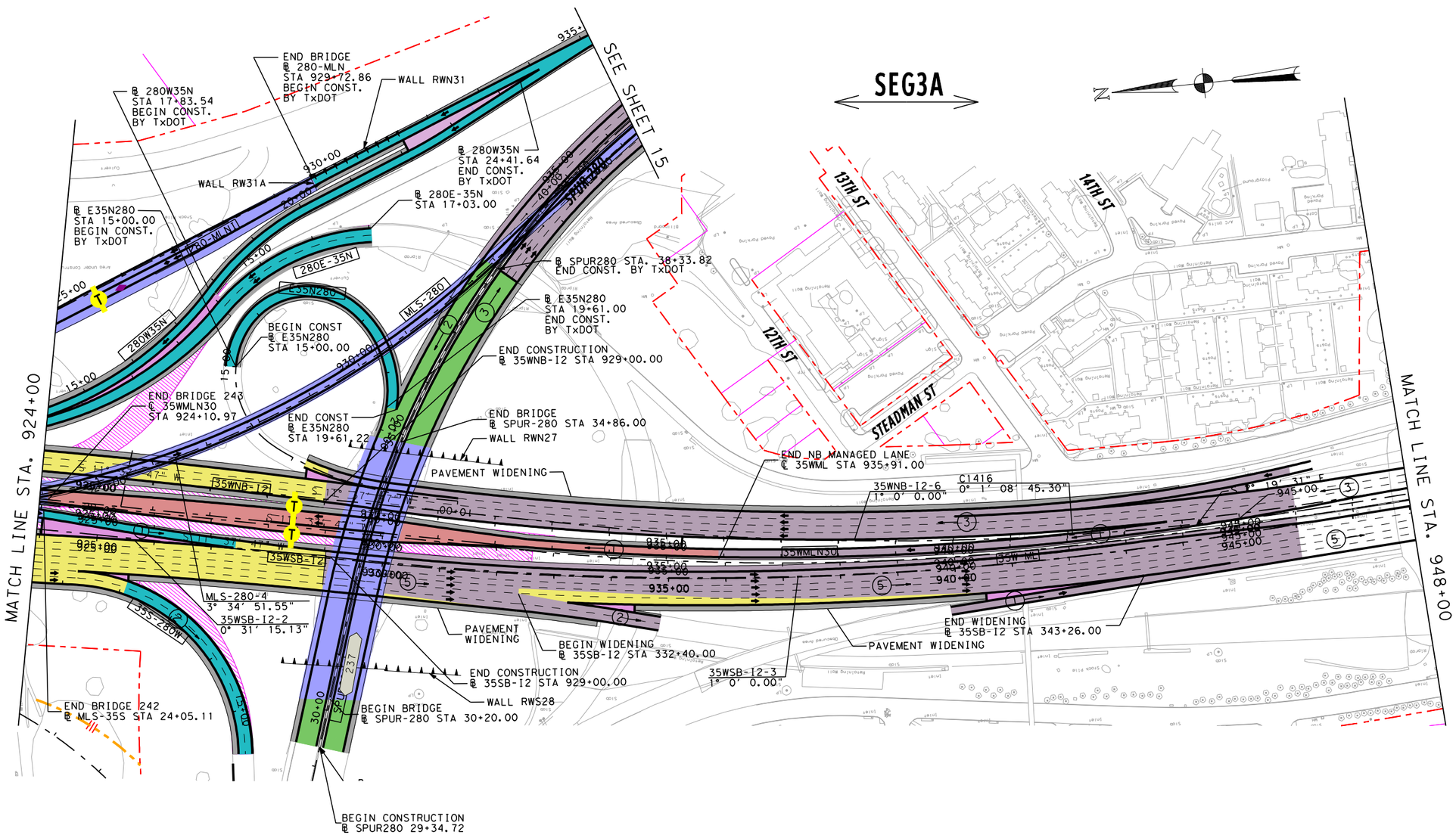

LEGEND

- PROPOSED MAINLANES
- PROPOSED MANAGED LANES
- PROPOSED FRONTAGE ROADS /SURFACE STREET
- PROPOSED DIRECT CONNECTOR /PROPOSED RAMP
- PROPOSED SHOULDERS
- PROPOSED GORE
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- PROPOSED RIGHT-OF-WAY
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- MANAGED LANE TOLL GANTRY
- RAMP TOLL GANTRY
- HOV DECLARATION AREA
- 170W35S ALIGNMENT NAME
- BRIDGE IDENTIFIER
- OVERLAY

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W
PLAN & PROFILE

HORZ.: 1" = 200' SHEET 12 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
			13
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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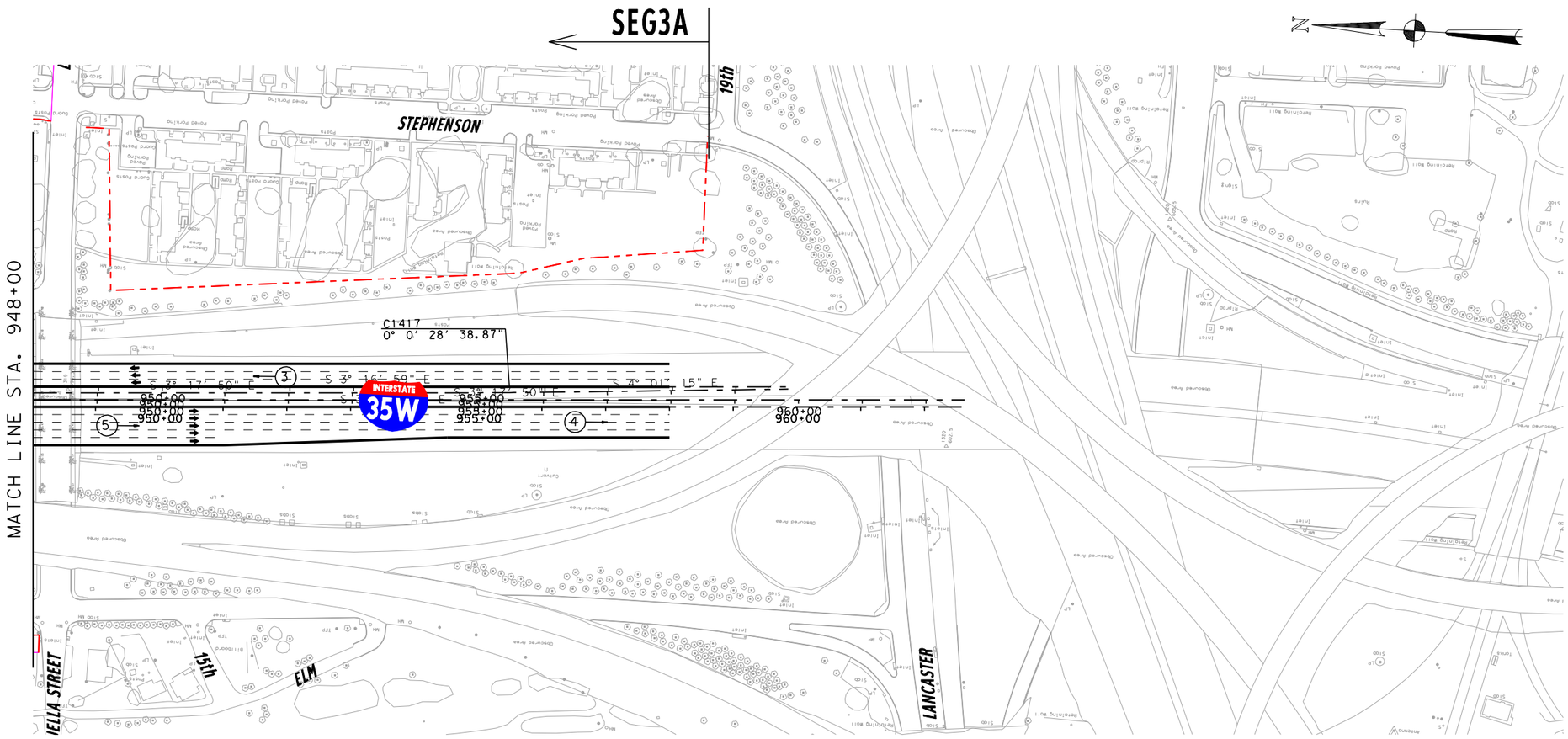

LEGEND

- PROPOSED MAINLANES
- PROPOSED MANAGED LANES
- PROPOSED FRONTAGE ROADS /SURFACE STREET
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- PROPOSED SHOULDERS
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- OVERLAY

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NORTH TARRANT EXPRESS - SEGMENT 3A

IH 35W PLAN

HORZ.: 1" = 200' SHEET 13 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER	SHEET NO.
		14

STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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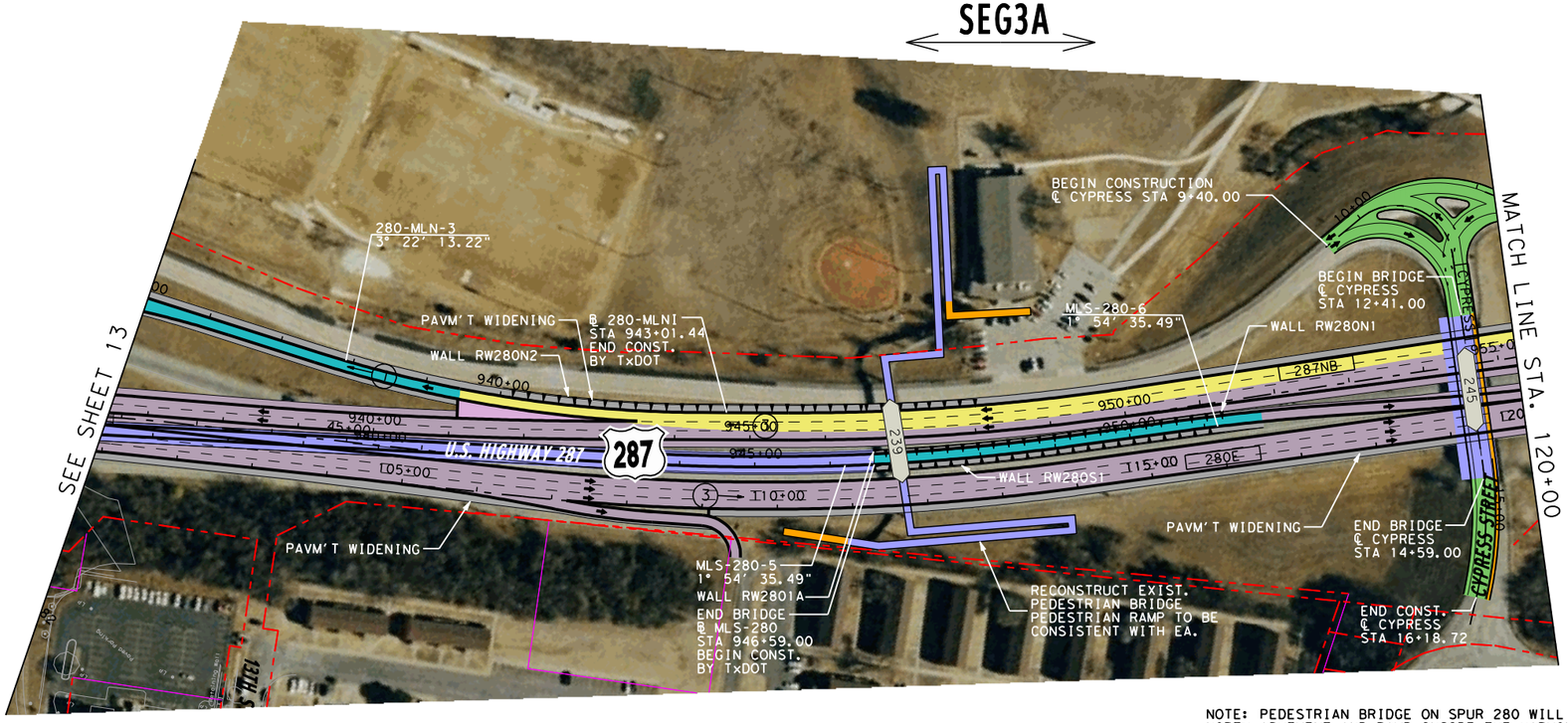
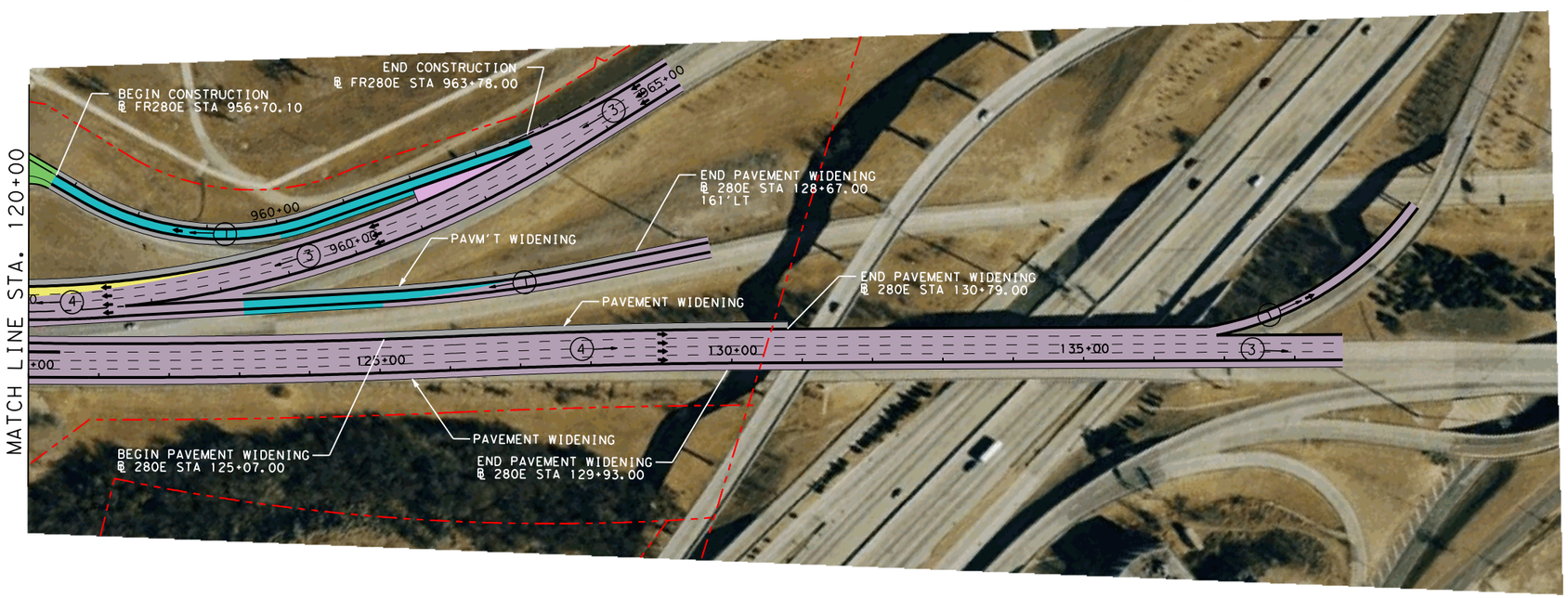
REV	DATE	BY	DESCRIPTION

SEG3A



NOTE: PEDESTRIAN BRIDGE ON SPUR 280 WILL HAVE THE NORTH ABUTMENT AND RAMP INSIDE THE HARMOND PARK PROPERTY. SEGMENT 3A PROPOSAL IS BASED ON THE ASSUMPTION THAT THE DEVELOPER WILL BE ALLOWED TO PLACE THE ABOVE STRUCTURAL CONPONENTS INSIDE THE HARMOND PARK PROPERTY AS THE CURRENT PEDESTRIAN BRIDGE DOES.

CURVE CYPRESS-1 SHALL MEET A DESIGN SPEED OF 15 MPH AS PER RFI 34.



LEGEND

- PROPOSED MAINLANES
- PROPOSED MANAGED LANES
- PROPOSED FRONTAGE ROADS /SURFACE STREET
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PRELIMINARY

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NORTH TARRANT EXPRESS - SEGMENT 3A

SPUR 280/US 287 PLAN

HORZ.: 1" = 200' SHEET 14 OF 14

FED. RD. DIV. NO.	PROJECT NUMBER		SHEET NO.
			15
STATE	DISTRICT	COUNTY	
TEXAS		TARRANT	
CONT	SECT	JOB	HIGHWAY NO
			IH 35W

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