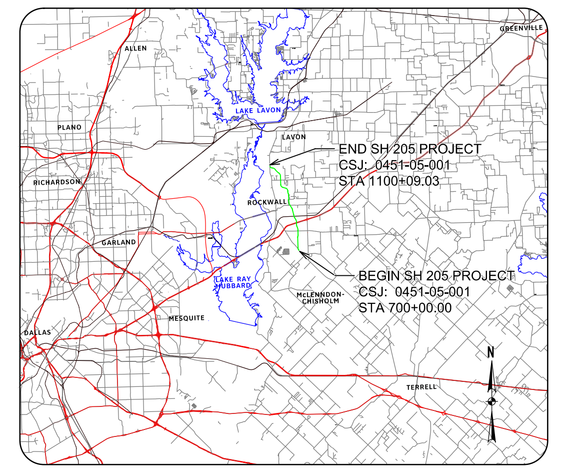
TEXAS DEPARTMENT OF TRANSPORTATION®
DALLAS DISTRICT
MOHAMED K. BUR, P.E., DISTRICT ENGINEER

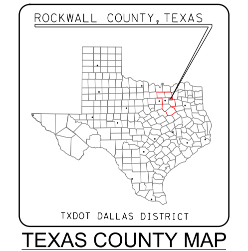
SH 205 DESIGN SCHEMATIC
FROM JCT SH 205/JOHN KING (S GOLIAD ST)
TO NORTH OF JOHN KING
(ROCKWALL C/L)
ROCKWALL COUNTY, TEXAS
CSJ: 0451-05-001

APPROVED SCHEMATIC
JULY 25, 2019

JULY 2019
ROLL 3 OF 4

PROJECT LENGTH:	7.6 MILES
FUNCTIONAL CLASSIFICATION:	PRINCIPAL ARTERIAL
AVERAGE DAILY TRAFFIC:	8,600 (2020) 12,400 (2040)
DESIGN SPEEDS:	
SH 205:	40 MPH
CROSS STREETS:	30 MPH





TEXAS COUNTY MAP
N.T.S.

PRELIMINARY
FOR INTERIM REVIEW ONLY
THESE DOCUMENTS ARE FOR INTERIM REVIEW AND NOT INTENDED FOR REGULATORY APPROVAL, PERMIT, BIDDING OR CONSTRUCTION PURPOSES. THEY WERE PREPARED BY OR UNDER THE SUPERVISION OF:
JEREMY W. MCGAHAN 103650 07/25/2019
NAME P.E. NO. DATE
HALFF ASSOCIATES, INC.
TBPE FIRM #F-312

HALFF
1201 NORTH BOWSER ROAD
RICHARDSON, TEXAS 75081-2275
TEL (214) 346-6200
FAX (214) 739-0095

0 10 20 30 40
VERTICAL SCALE:
0 100 200 300 400
HORIZONTAL SCALE:

DATE SUBMITTED: JULY 25, 2019
DATE APPROVED: JULY 25, 2019

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LEGEND:

- EXISTING ROW
- EXISTING EASEMENT
- EXISTING PROPERTY LIMITS
- EXISTING CULVERT
- PROPOSED CULVERT
- EXISTING BASELINE
- PROPOSED BASELINE
- PROPOSED CROSS STREET BASELINE
- PROPOSED ROW
- PROPOSED EASEMENT
- PROPOSED EDGE OF PAVEMENT
- PROPOSED BRIDGE RAIL
- PROPOSED BRIDGE BENT/ABUTMENT
- 100 YR FLOODPLAIN LIMITS
- FLOODWAY LIMITS
- DIRECTION OF TRAVEL
- FLOW ARROW
- PROPOSED BRIDGE
- EXISTING SIDEWALK
- PROPOSED PROJECT BY OTHERS
- PROPOSED PAVEMENT
- PROPOSED SIDEWALK
- POTENTIAL DISPLACEMENTS
- PAVEMENT / BRIDGE TO BE REMOVED
- EXISTING WATER
- EXISTING FIBER OPTIC
- EXISTING TELEPHONE / CABLE
- EXISTING ELECTRIC
- EXISTING WASTEWATER
- EXISTING GAS LINE
- CURB RAMP

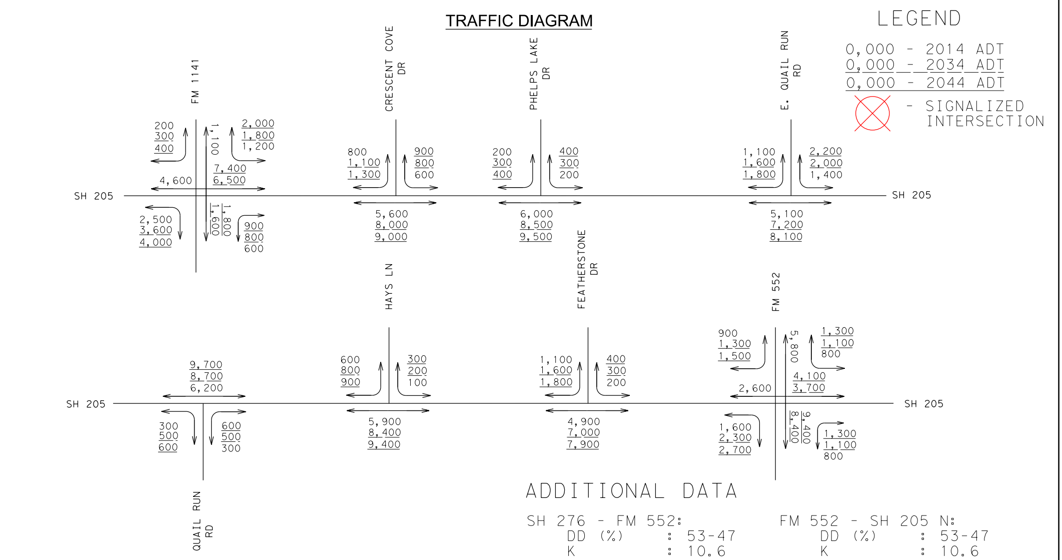
GENERAL NOTES:

1. THE SCHEMATIC LAYOUTS ARE BASED ON LIMITED FIELD SURVEY, AERIAL TOPOGRAPHY AND RECORD PLANS. NOT ALL EXISTING FEATURES WERE FIELD SURVEYED. AERIAL TOPOGRAPHY DATA WAS COLLECTED IN SUMMER OF 2017.
2. PARCEL LIMITS AND OWNERSHIP INFORMATION WERE COLLECTED FROM THE ROCKWALL COUNTY APPRAISAL DISTRICT (MAY 2018).
3. ALL CURBS ARE TYPE II (UNLESS NOTED). DIMENSIONS ARE TO EDGE OF UNCURBED PAVEMENT OR NOMINAL FACE OF RAIL/CURB/BARRIER (UNLESS NOTED).
4. SUPERELEVATION TRANSITIONS ARE LINEAR WITH THE AXIS OF ROTATION LOCATED AT THE PGL.
5. THE SPECIFIC TYPE OF BRIDGE RAIL WILL BE DETERMINED DURING PS&E DESIGN.
6. CONVENTIONAL ROADWAY SIGNAGE (SMALL SIGNS) WILL NOT BE DEVELOPED UNTIL PS&E DESIGN.
7. AVERAGE DAILY TRAFFIC VOLUME PROJECTIONS DEVELOPED BY TXDOT TP&P (AUGUST 2017).
8. MAJOR INTERSECTION CURVE RADII ARE 50', MINOR INTERSECTION CURVE RADII ARE 30', AND DRIVEWAY INTERSECTION CURVE RADII ARE 15' (UNLESS NOTED OTHERWISE). DRIVEWAY LOCATIONS ARE PRELIMINARY AND WILL BE FURTHER DEVELOPED DURING PS&E DESIGN.
9. MEDIAN OPENINGS ARE PRELIMINARY AND SUBJECT TO CHANGE. FINAL MEDIAN OPENING LOCATIONS TO BE DETERMINED DURING PS&E AND IN COORDINATION WITH THE LOCAL GOVERNMENTS.
10. EXISTING PAVEMENT AND BRIDGES LOCATED WITHIN LIMITS OF PROPOSED RECONSTRUCTION WILL BE REMOVED (UNLESS NOTED OTHERWISE).
11. APPROXIMATE 100 YEAR FLOOD PLAIN LIMITS ARE BASED UPON FEMA FLOOD INSURANCE RATE MAPS DATED AUGUST 2015.
12. CONSTRUCTION OF DRIVEWAYS OUTSIDE OF EXISTING AND PROPOSED RIGHT OF WAY SHALL REQUIRE CONSTRUCTION AGREEMENT.
13. SHORT RETAINING WALLS MIGHT BE REQUIRED WHERE SIDEWALKS ADJACENT TO THE EXISTING ROADWAY ARE PROPOSED TO STAY WITHIN EXISTING ROW. THESE WILL BE DETERMINED DURING PS&E DESIGN.

CURVE DATA

PSH205-S CURVES

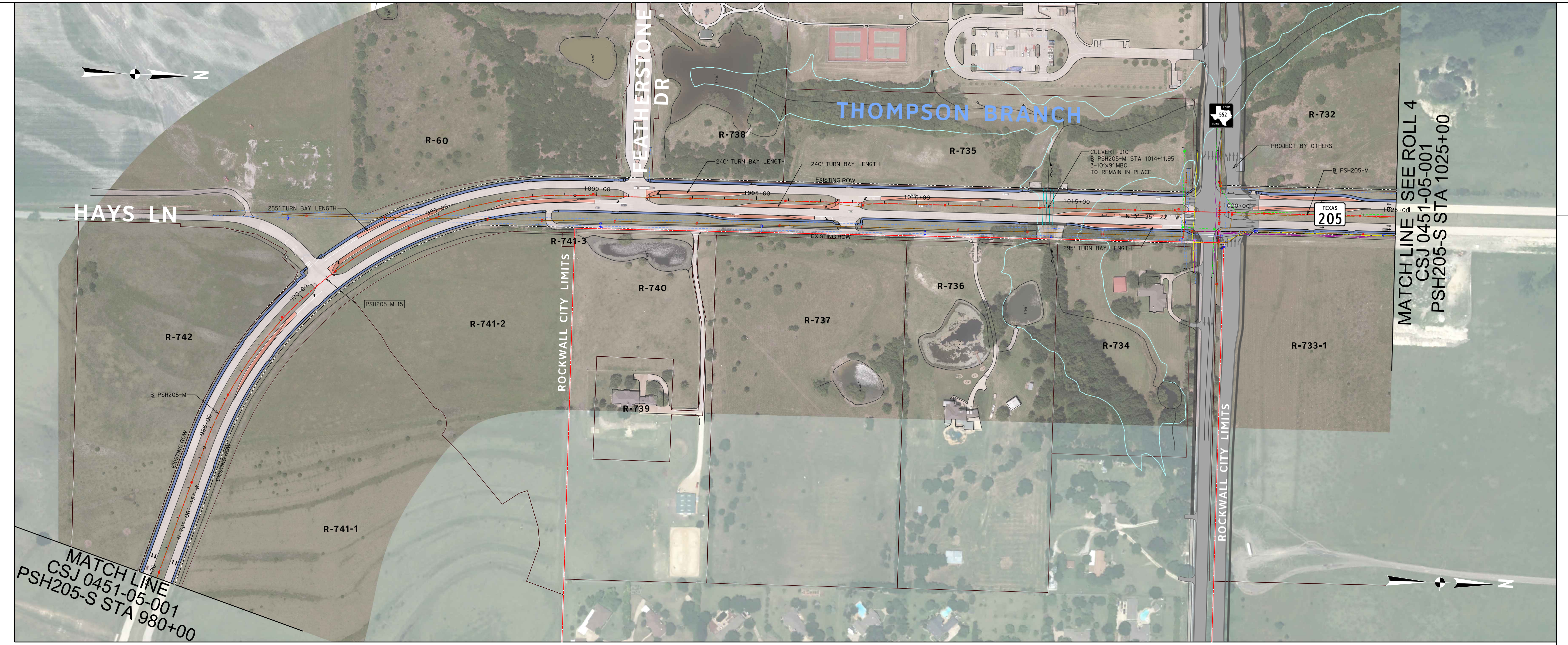
CURVE	P.I. STATION	P.I. STATION - N	P.I. STATION - E	DELTA	RADIUS	TANGENT	LENGTH	CHORD BEARING	CHORD LENGTH	P.C. STATION	P.T. STATION	BACK TANGENT	AHEAD TANGENT
PSH205-M-10	918+69.04	N 7,033,064.59	E 2,600,056.40	4° 29' 16.19" (RT)	2,000.00	78.37	156.65	N 3° 05' 36.09" W	156.61	917+90.67	919+47.33	N 5° 20' 14.18" W	N 0° 50' 57.99" W
PSH205-M-11	941+13.13	N 7,035,308.46	E 2,600,020.25	8° 58' 02.06" (LT)	1,746.50	136.95	273.34	N 5° 37' 57.22" W	273.06	939+76.18	942+49.52	N 1° 08' 56.19" W	N 10° 06' 58.25" W
PSH205-M-12	944+14.36	N 7,035,605.56	E 2,599,967.24	17° 02' 43.80" (LT)	1,100.00	164.84	327.25	N 18° 38' 20.15" W	326.04	942+49.52	945+76.77	N 10° 06' 58.25" W	N 27° 09' 42.05" W
PSH205-M-13	949+29.50	N 7,036,066.06	E 2,599,730.96	25° 14' 49.12" (RT)	1,575.00	352.73	694.01	N 14° 32' 17.49" W	688.41	945+76.77	952+70.78	N 27° 09' 42.05" W	N 1° 54' 52.93" W
PSH205-M-14	964+69.29	N 7,037,616.43	E 2,599,679.13	70° 11' 22.54" (LT)	1,100.00	772.94	1347.54	N 37° 00' 34.20" W	1264.85	956+96.35	970+43.89	N 1° 54' 52.93" W	N 72° 06' 15.47" W
PSH205-M-15	992+98.53	N 7,038,546.76	E 2,596,798.03	71° 30' 53.37" (RT)	1,200.00	864.11	1497.80	N 36° 20' 48.79" W	1402.45	984+34.41	999+32.22	N 72° 06' 15.47" W	N 0° 35' 22.10" W

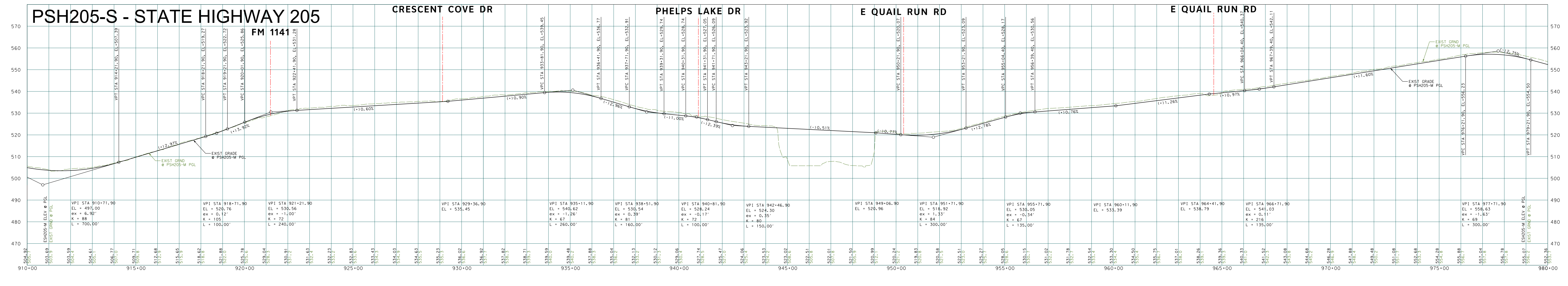


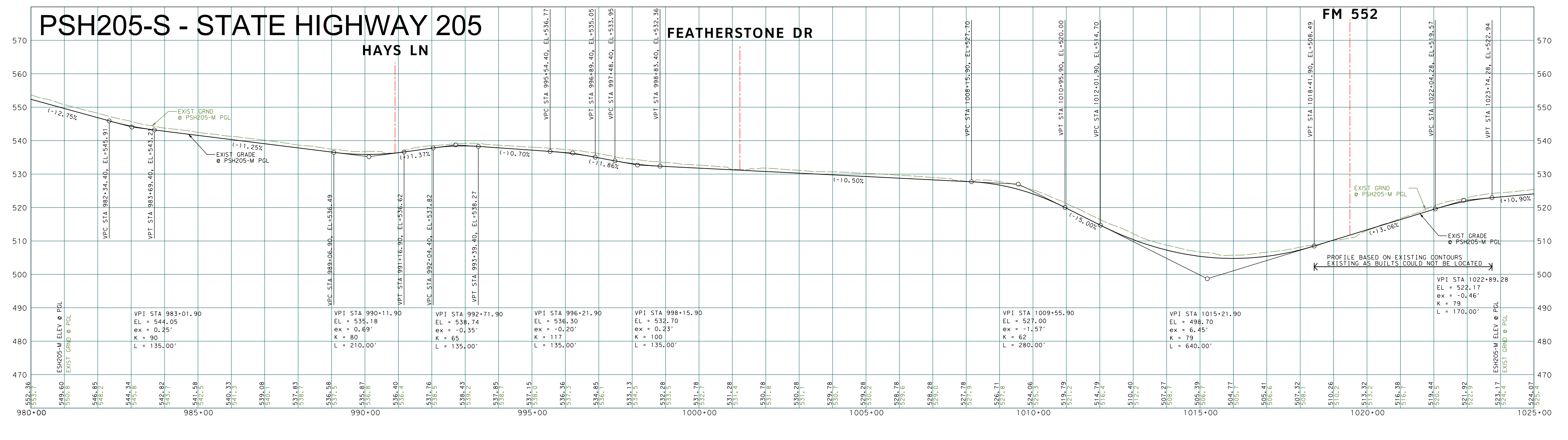
ADDITIONAL DATA

SH 276 - FM 552:		FM 552 - SH 205 N:	
DD (%)	: 53-47	DD (%)	: 53-47
K	: 10.6	K	: 10.6
Trucks (%):		Trucks (%):	
ADT	: 6.1	ADT	: 8.6
DHV	: 4.6	DHV	: 6.5

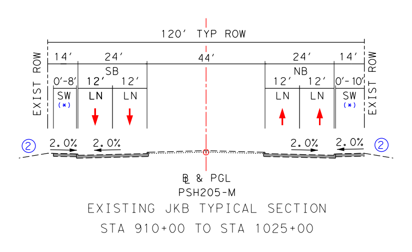
AVERAGE DAILY TRAFFIC VOLUME PROJECTIONS DEVELOPED BY TXDOT TP&P (AUGUST 2017).





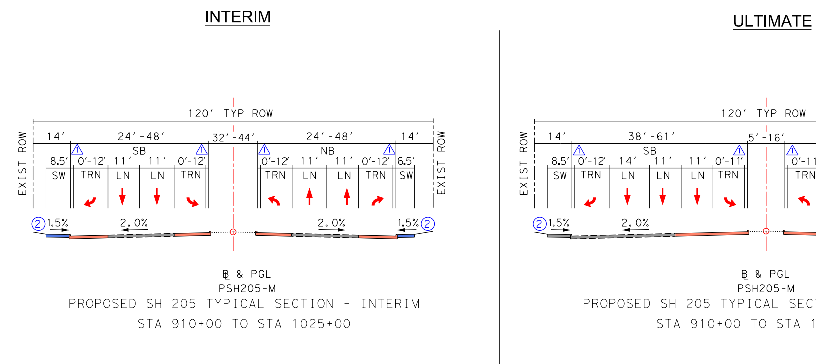


EXISTING TYPICAL SECTIONS



NOTES:
① 4:1 DESIRABLE 3:1 MAX
(*) EXISTING SIDEWALKS NOT CONTINUOUS

PROPOSED TYPICAL SECTIONS



NOTES:
① 6:1 DESIRABLE 4:1 MAX
② 4:1 DESIRABLE 3:1 MAX
△ 1' DIMENSION
△ 2' OFFSET
△ 0'-2' OFFSET
3 DITCHES PROVIDED ON AN AS NEEDED BASIS BASED ON GRADING

PROPERTY OWNERS

Parcel ID	Owner's Name
R-60	PACESETTER HOMES LLC
R-732	CDGT ROCKWALL/2016 LLC
R-733-1	N/A
R-734	THOMPSON BETTY L
R-735	CITY OF ROCKWALL
R-736	MILLER MICHAEL AND STACY
R-737	CDT ROCKWALL / 2017 LLC
R-738	CITY OF ROCKWALL
R-739	REED GWENDOLYN
R-740	REED GWENDOLYN
R-741-1	SADDLE STAR SOUTH HOLDINGS LLC
R-741-2	CDT ROCKWALL / 2017 LLC
R-741-3	CDT ROCKWALL / 2017 LLC
R-742	R & R HANCE INVESTMENTS LP
R-743	UTLEY HERMAN D
R-744	R & R HANCE INVESTMENTS LP
R-745	GIDEON LONNIE L TR
R-745-1	PACESETTER HOMES LLC
R-745-2	PACESETTER HOMES LLC
R-746	UTLEY HERMAN AND KRISTI
R-747	LANKFORD BONNIE
R-748	GRANT NICHOLAS P & SHERRI D
R-749	CITY OF ROCKWALL
R-750	YINGLING JOHN R
R-751	BLOCK SPENCER
R-752	CARUTH RIDGE ESTATES HOMEOWNERS
R-753	AGUIRRE KATHLEA SWEETSY AND
R-754	BLOCK SPENCER ALLEN AND AMANDA G
R-755	ORR DONNIE & ALICE
R-756	SIMMONS JESSE ALLAN AND ANGIE
R-757	CARUTH RIDGE ESTATES HOMEOWNERS ASSOCIATION INC
R-758	HANZLICEK BENJAMIN J
R-759	CRUCES-RODRIGUEZ SIXTO
R-760	SPARKS KERRY JOSHUA AND JENNIFER

Parcel ID	Owner's Name
R-761	CORDER GEORGE E JR AND DOTTIE MAE
R-762	HILL JUDITH LEEANN AND BILLY
R-763	TAYLOR JAREN & EMILY
R-764	STEVENS COURTNEY
R-765	CARUTH RIDGE ESTATES HOMEOWNERS ASSOCIATION INC
R-766	HARKNESS DONALD W AND SUSAN J
R-767	HARRIS JIMMIE GARLAND AND MARY
R-768	MORALES CLAUDIA A
R-769	CRABB LAURIE M
R-770	SINGH RANBIR
R-771	GARRETSON MICHAEL S & MELISSA A
R-772	SCHEUMANN DONALD E & TERESA A
R-773	LUERA TOMMY G JR & PAMELA ANN
R-774	AVENDANO JOSE GREGORIO AND NEREIDA
R-775	JUAREZ ANALISA MARIE
R-776	N/A
R-777	WHITTINGTON RANDALL S & CHRISTINA L
R-778	MCGILL MICHAEL KIMBERLY
R-779	GAUVIN COLLEEN
R-780	RICHARDS J MARK
R-781	TANNER WILMA GRACE
R-782	N/A
R-783	CARUTH RIDGE ESTATES HOMEOWNERS ASSOCIATION INC
R-784	WINKLEY KYLE A AND ANNA K
R-785	TANNER BACIL H AND NELDA R
R-786	N/A
R-787	SEE BETTY
R-788	CITY OF ROCKWALL
R-789	CITY OF ROCKWALL
R-792	RWLADERA LLC
R-864	COVER JUSTIN D
R-865	DICKSON WILLIAM B & ELAINE
R-866	JAMESON GAIL

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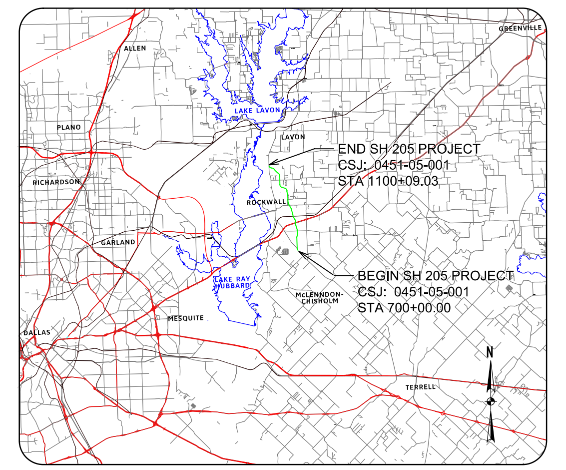

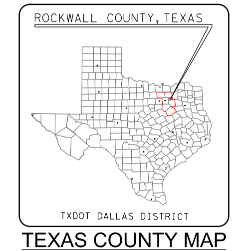

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