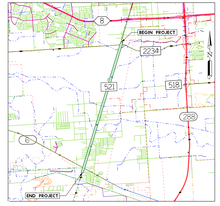
TEXAS DEPARTMENT OF TRANSPORTATION
HOUSTON DISTRICT

SCHEMATIC LAYOUT
FORT BEND COUNTY
FM 521

LIMITS : FROM FM 2234
TO SH 6
CSJ : 0111-03-059
LENGTH = 5.3 MILES

DESIGN SPEED : 45 MPH
ACCESS ROAD DESIGN SPEED : 20 MPH
CURRENT ADT : 17,400 (2016)
PROJECTED ADT : 25,250 (2036)
FUNCTIONAL CLASS : URBAN ARTERIAL
DESIGN CRITERIA : LOW SPEED URBAN STREET

LOCATION MAP



SCALE: 0 1 MI 2 MI

PRELIMINARY
SUBJECT TO CHANGE

THIS DOCUMENT IS ISSUED FOR INTERIM REVIEW AND IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, OR PERMITTING PURPOSES.

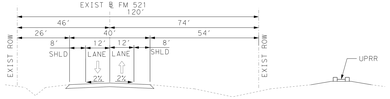
S.E. WRIGHT, P.E.
TEXAS P.E. #100893

ISSUED ON:
19 201

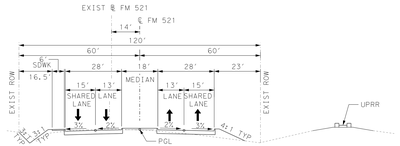
LEGEND

LEGEND	SYMBOLOGY	WEIGHT	COLOR
EDGE OF PAVEMENT/ FACE OF CURB		2	0
RETAINING WALL		6	7
PROPOSED CULVERT		2	3
EXISTING CULVERT		1	3
STRIPING		2	0
PROP ROW		5	0
EXISTING ROW		1	0
PROPERTY LINES		1	4
EXISTING LANE DIRECTIONAL INDICATOR		1	0
PROPOSED LANE DIRECTIONAL INDICATOR		1	0
PROPOSED PAVEMENT			4
PROPOSED BRIDGE STRUCTURE			3
PROPOSED RAMP/ACCESS RD PAVEMENT			2
PROPOSED RAISED MEDIAN			236
PROPOSED SIDEWALK			5
ZONE AE (100 YR FLOODPLAIN)			

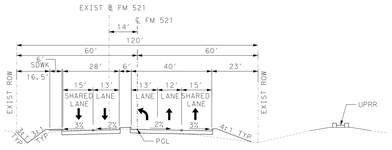
SCALES: 1"=100' - HORZ
1"=10' - VERT



EXISTING TYPICAL SECTION



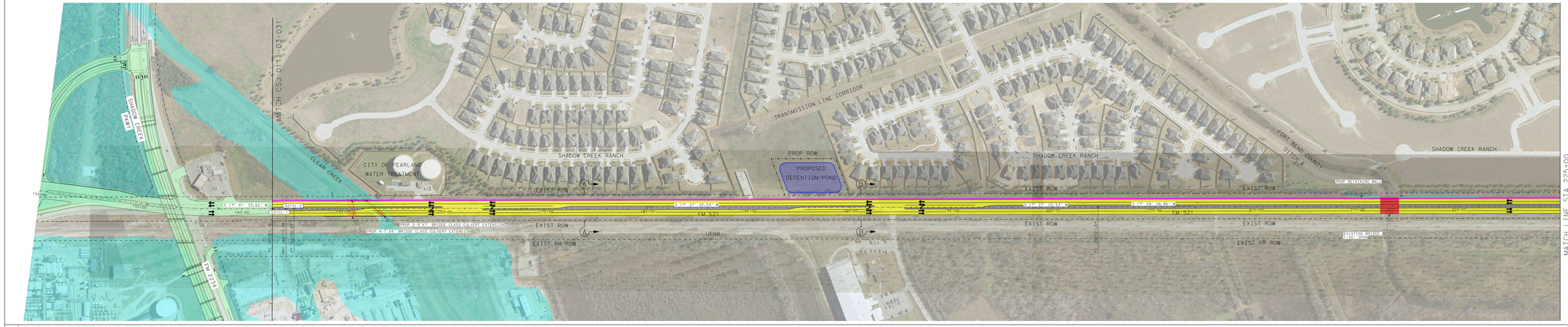
PROPOSED TYPICAL SECTION A-A

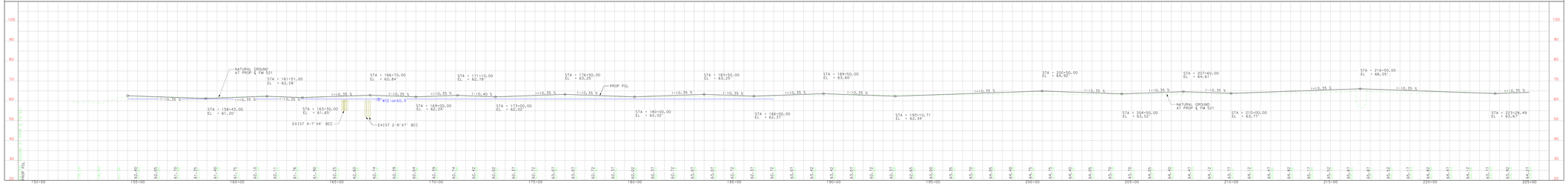


PROPOSED TYPICAL SECTION B-B

HORIZONTAL CURVE DATA

CURVE 1	
PI STATION	= 161+84.57
DELTA	= 0° 35' 21.02" (LT)
DEGREE OF CURVE	= 0° 53' 03.10"
TANGENT	= 53.28
LENGTH	= 106.82
RADIUS	= 6,480.00
PC STATION	= 161+31.29
PT STATION	= 162+17.98
NO SUPERELEVATION REQUIRED	
CURVE 2	
PI STATION	= 162+38.02
DELTA	= 0° 51' 35.93" (RT)
DEGREE OF CURVE	= 0° 53' 03.10"
TANGENT	= 70.04
LENGTH	= 140.08
RADIUS	= 6,480.00
PC STATION	= 161+68.00
PT STATION	= 163+08.07
NO SUPERELEVATION REQUIRED	





5/19/2017

L.J.A. Engineering, Inc.

TEXAS DEPARTMENT OF TRANSPORTATION

FROM: FM 2234
TO: SH 6

FM 521 SCHEMATIC

1
5

5/19/2017

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FROM: FM 2234
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FM 521 SCHEMATIC

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