5/25/2017

LJA Engineering, Inc.

TEXAS DEPARTMENT OF TRANSPORTATION

FROM FM 2234 TO SH 6

FM 521 SCHEMATIC

4 5

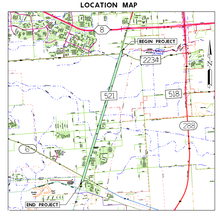
TEXAS DEPARTMENT OF TRANSPORTATION
HOUSTON DISTRICT

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



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. #109893

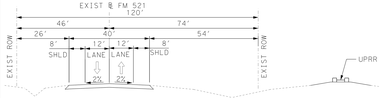
ISSUED ON
5/25/2017

LEGEND

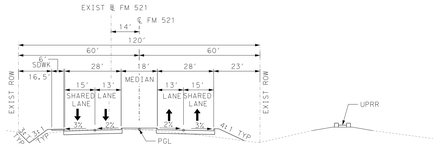
LEGEND	SYMBOLOGY	WEIGHT	COLOR
EDGE OF PAVEMENT/ FACE OF CURB		2	0
RETAINING WALL		6	7
PROPOSED CULVERT		2	7
EXISTING CULVERT		1	3
STRIPING		2	0
PROP ROW		5	0
EXISTING ROW		1	0
PROPERTY LINES		1	6
EXISTING LANE DIRECTIONAL INDICATOR		1	0
PROPOSED LANE DIRECTIONAL INDICATOR		1	0
PROPOSED PAVEMENT			4
PROPOSED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

SCALES: 0" 50' 100' 200"
SCALES: 1"=100' - HORZ
1"=10' - VERT

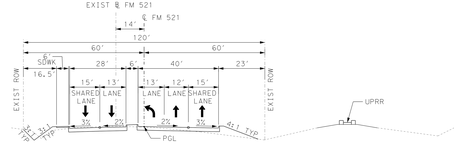
EXISTING TYPICAL SECTION

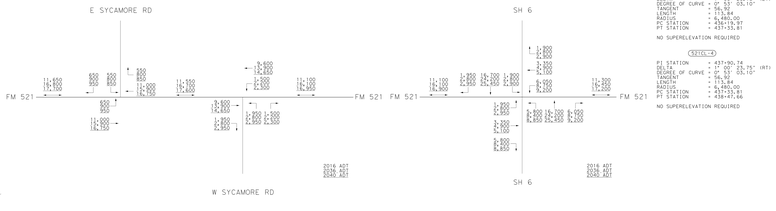


PROPOSED TYPICAL SECTION A-A



PROPOSED TYPICAL SECTION B-B





HORIZONTAL CURVE DATA

SCTTCL-3

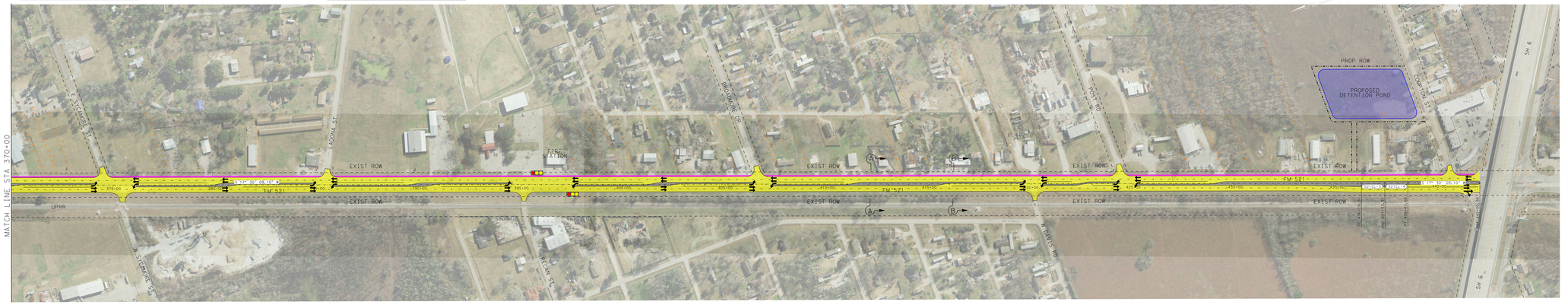
PI STATION	= 436+76.89
DELTA	= 0° 55' 03.75" (LT)
DEGREE OF CURVE	= 0° 55' 00.10"
TANGENT	= 56.50
LENGTH	= 113.04
RADIUS	= 6,980.00
PC STATION	= 435+13.97
PT STATION	= 437+33.81

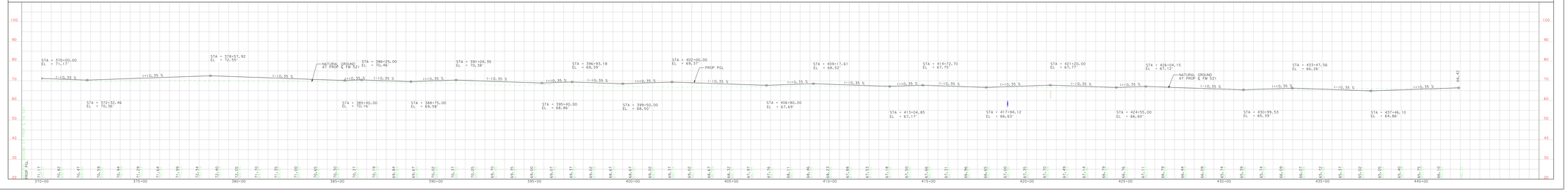
NO SUPERELEVATION REQUIRED

SCTTCL-4

PI STATION	= 437+90.36
DELTA	= 0° 55' 03.75" (RT)
DEGREE OF CURVE	= 0° 55' 00.10"
TANGENT	= 56.50
LENGTH	= 113.04
RADIUS	= 6,980.00
PC STATION	= 437+33.81
PT STATION	= 438+47.66

NO SUPERELEVATION REQUIRED





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