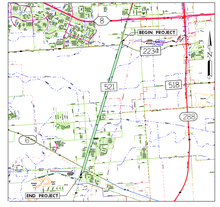
TEXAS DEPARTMENT OF TRANSPORTATION
HOUSTON DISTRICT

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.

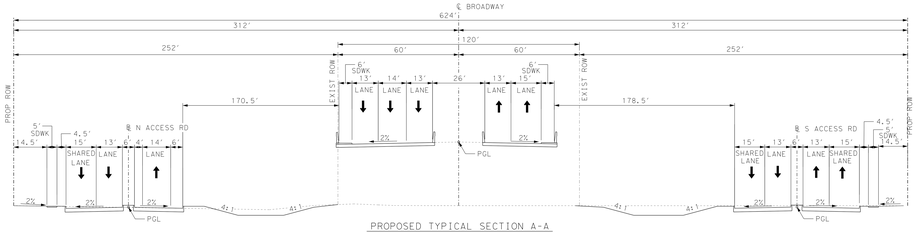
S.E. WRIGHT, P.E.
TEXAS P.E. #120969

ISSUED ON:
5/24/2017

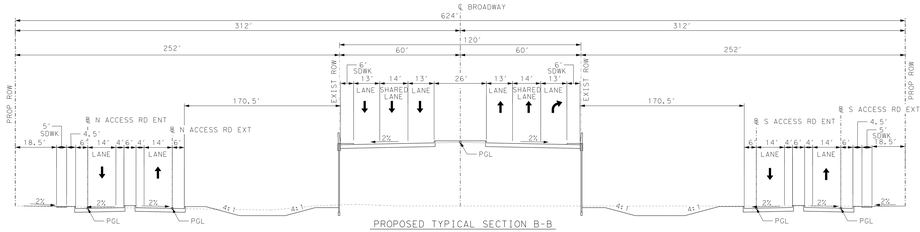
LEGEND

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	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			226
PROPOSED SIDEWALK			5
ZONE AE (100 YR FLOODPLAIN)			

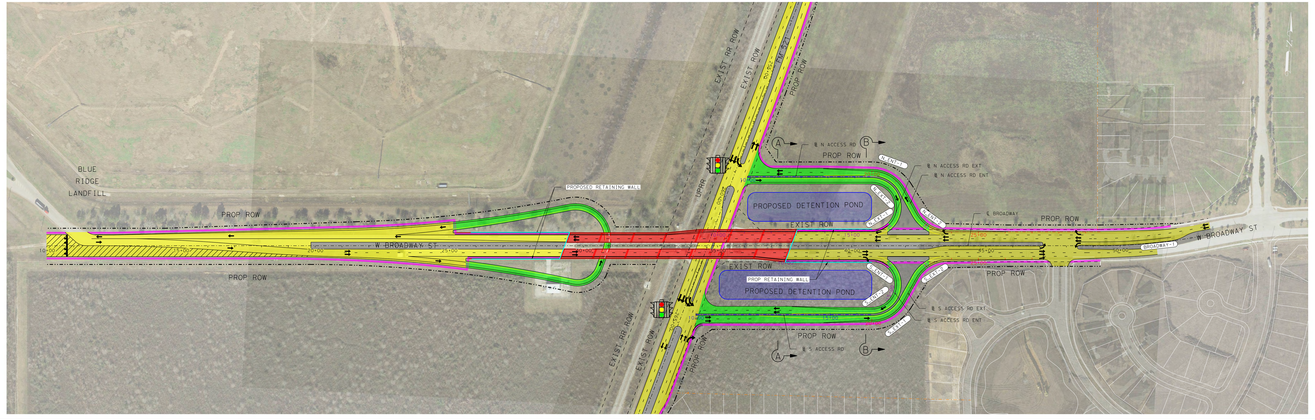
SCALES : 1"=100' - HORZ
1"=10' - VERT

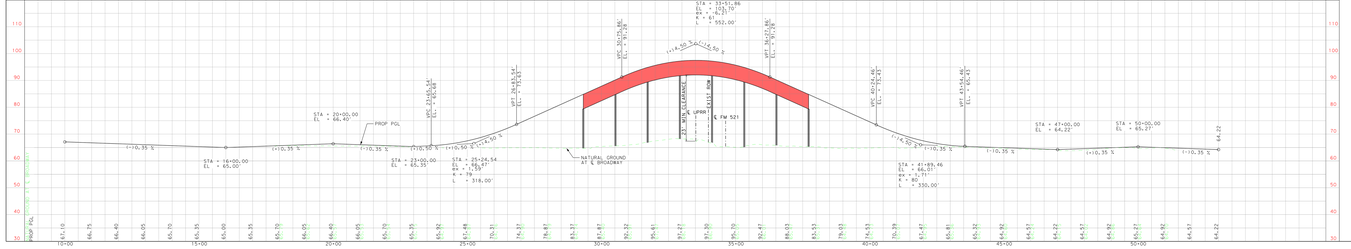


PROPOSED TYPICAL SECTION A-A



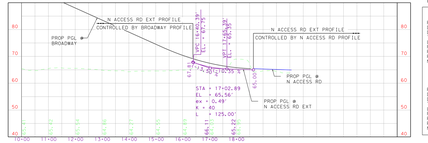
PROPOSED TYPICAL SECTION B-B





HORIZONTAL CURVE DATA

N ACCESS RD EXT



N ACCESS RD EXT

(L.EXT-1)

PI STATION	= 16+67.00
DELTA	= 90° 00' 00.00" (LT)
DEGREE OF CURVE	= 42° 05' 40.88"
TANGENT	= 92.00
LENGTH	= 144.51
RADIUS	= 136.00
PC STATION	= 15+75.00
PT STATION	= 17+19.51
NO SUPERELEVATION REQUIRED	

(L.EXT-2)

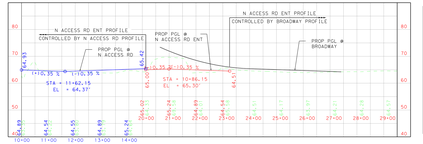
PI STATION	= 18+11.51
DELTA	= 90° 00' 00.00" (LT)
DEGREE OF CURVE	= 64° 16' 40.87"
TANGENT	= 92.00
LENGTH	= 144.51
RADIUS	= 90.00
PC STATION	= 17+19.51
PT STATION	= 18+64.02
NO SUPERELEVATION REQUIRED	

BROADWAY

(BROADWAY-1)

PI STATION	= 51+36.12
DELTA	= 11° 56' 46.57" (LT)
DEGREE OF CURVE	= 2° 17' 53.34"
TANGENT	= 209.28
LENGTH	= 417.00
RADIUS	= 2,500.00
PC STATION	= 49+26.84
PT STATION	= 53+43.86
NO SUPERELEVATION REQUIRED	

N ACCESS RD AND N ACCESS RD EXT



N ACCESS RD ENT

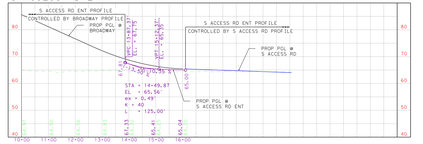
(L.ENT-1)

PI STATION	= 20+79.09
DELTA	= 61° 05' 40.48" (RT)
DEGREE OF CURVE	= 42° 05' 28.96"
TANGENT	= 92.00
LENGTH	= 128.88
RADIUS	= 136.00
PC STATION	= 19+87.09
PT STATION	= 21+42.88
NO SUPERELEVATION REQUIRED	

(L.ENT-2)

PI STATION	= 23+21.97
DELTA	= 61° 05' 40.48" (LT)
DEGREE OF CURVE	= 42° 05' 28.96"
TANGENT	= 79.08
LENGTH	= 110.88
RADIUS	= 136.00
PC STATION	= 22+42.88
PT STATION	= 23+53.76
NO SUPERELEVATION REQUIRED	

S ACCESS RD ENT



S ACCESS RD ENT

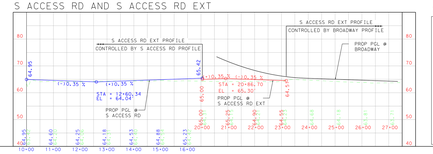
(S.ENT-1)

PI STATION	= 14+13.99
DELTA	= 90° 00' 00.00" (RT)
DEGREE OF CURVE	= 42° 05' 40.88"
TANGENT	= 92.00
LENGTH	= 144.51
RADIUS	= 136.00
PC STATION	= 13+21.99
PT STATION	= 14+66.50
NO SUPERELEVATION REQUIRED	

(S.ENT-2)

PI STATION	= 15+58.50
DELTA	= 90° 00' 00.00" (RT)
DEGREE OF CURVE	= 64° 16' 40.88"
TANGENT	= 92.00
LENGTH	= 144.51
RADIUS	= 90.00
PC STATION	= 14+66.50
PT STATION	= 16+11.01
NO SUPERELEVATION REQUIRED	

S ACCESS RD AND S ACCESS RD EXT



S ACCESS RD EXT

(S.EXT-1)

PI STATION	= 20+79.08
DELTA	= 61° 05' 40.48" (LT)
DEGREE OF CURVE	= 42° 05' 28.96"
TANGENT	= 92.00
LENGTH	= 182.88
RADIUS	= 136.00
PC STATION	= 19+87.08
PT STATION	= 21+42.88
NO SUPERELEVATION REQUIRED	

(S.EXT-2)

PI STATION	= 23+21.97
DELTA	= 61° 05' 40.48" (RT)
DEGREE OF CURVE	= 42° 05' 28.96"
TANGENT	= 79.08
LENGTH	= 110.88
RADIUS	= 136.00
PC STATION	= 22+42.88
PT STATION	= 23+53.76
NO SUPERELEVATION REQUIRED	