Texas Department of Transportation

FM 1488
SCHEMATIC DESIGN
WIDENING
WALLER COUNTY AND HARRIS COUNTY
LIMITS: FROM BU 290 TO ST JOSEPH RD

PROJECT LENGTH: 19.216 MILES

HOUSTON DISTRICT

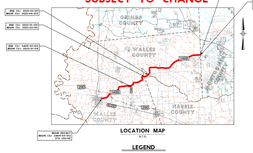
INTERIM REVIEW DOCUMENT
NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES

MOHAMMED ZAHEER, P.E. — 124345 P.E. # — SEPT 2023 DATE

DESIGN SPEED	FUNCTIONAL CLASS	ADT: FM 1488
URBAN 45 MPH RURAL 65 MPH	COLLECTOR ARTERIAL	

0 100 200 300 400
SCALE: IN = 1"= 100'

PRELIMINARY
SUBJECT TO CHANGE



LOCATION MAP
N.T.S.

LEGEND

- EXISTING TRAFFIC DIRECTION
- PROPOSED TRAFFIC DIRECTION
- EXISTING ROW
- EXISTING PROPERTY LINE
- PROPOSED ROW
- EXISTING PIPELINE LOCATION
- PROPOSED BRIDGE
- EXISTING BRIDGE
- EXISTING WETLAND
- EXISTING PAVEMENT TO REMAIN
- PROPOSED ALTERNATIVE A - WIDENING ON THE NORTH SIDE
- PROPOSED ALTERNATIVE B - WIDENING TO BOTH SIDES
- PROPOSED ALTERNATIVE C - WIDENING ON THE SOUTH SIDE
- PROP ALTERNATIVE CURVE ALIGN 01
- PROP ALTERNATIVE CURVE ALIGN 02
- PROP ALTERNATIVE CURVE ALIGN 03
- PROP ALTERNATIVE CURVE ALIGN 04
- PROP ALTERNATIVE CURVE ALIGN 05
- PROP ALTERNATIVE CURVE ALIGN 06
- PROP ALTERNATIVE CURVE ALIGN 07
- PROP ALTERNATIVE CURVE ALIGN 08
- PROP ALTERNATIVE CURVE ALIGN 09
- PROPOSED SIDEPATH
- 100 YEAR FLOODPLAIN

TYPICAL SECTION - EXISTING

rps Texas PE Firm Reg. #F-929
1160 Dairy Ashford, Suite 500, Houston, Texas 77079
T +1 281 589 7257 E usinfrastructure@rpsgroup.com

ROLL 6 OF 9

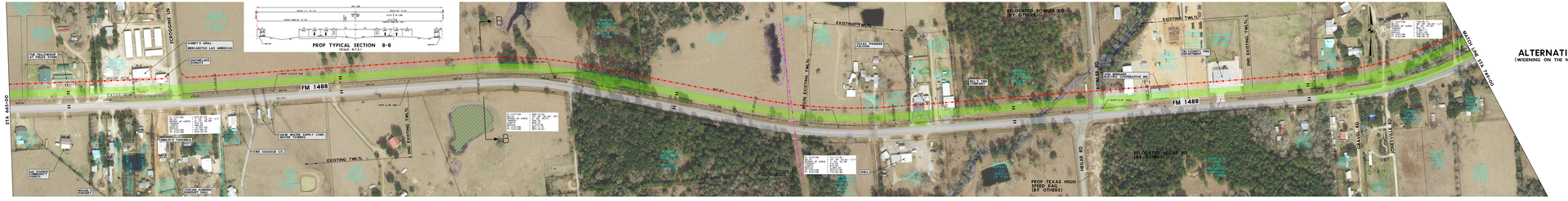
PROP TYPICAL SECTION B-B
SCALE: N.T.S.

PROP TYPICAL SECTION D-D
SCALE: N.T.S.

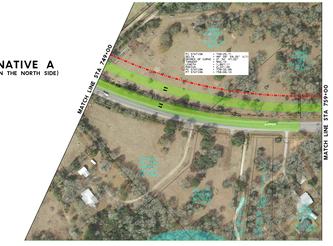
PROP TYPICAL SECTION F-F
SCALE: N.T.S.

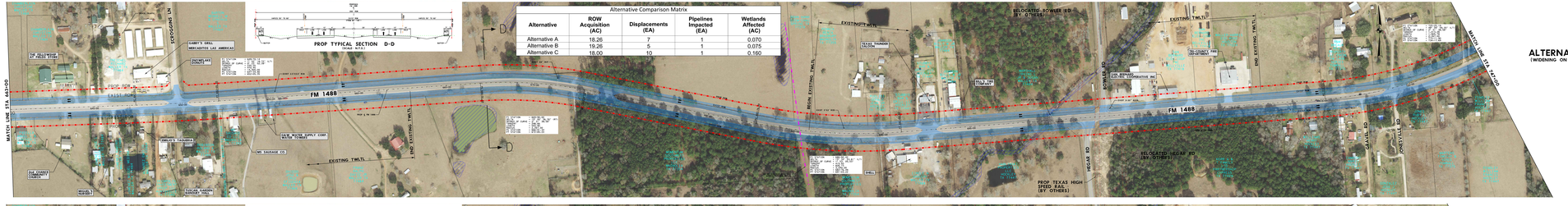
Alternative Comparison Matrix

Alternative	ROW Acquisition (AC)	Displacements (EA)	Pipelines Impacted (EA)	Wetlands Affected (AC)
Alternative A	18.26	7	1	0.070
Alternative B	19.26	5	1	0.075
Alternative C	18.00	10	1	0.160

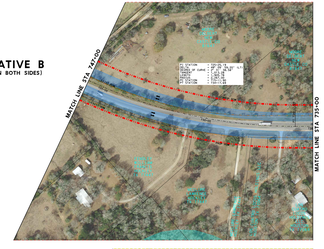


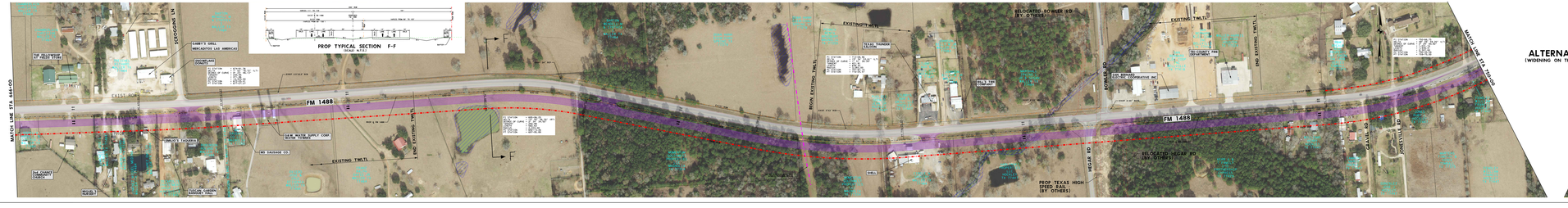
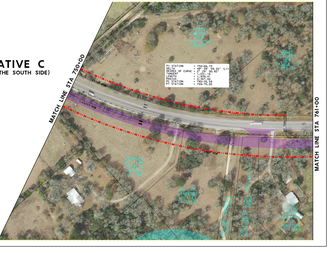
ALTERNATIVE A
(WIDENING ON THE NORTH SIDE)





ALTERNATIVE B
(WIDENING ON BOTH SIDES)





ALTERNATIVE C
(WIDENING ON THE SOUTH SIDE)