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Texas
Department
of Transportation

TYLER DISTRICT

FM 2493

CSJ: 0191-03-083 & 0191-04-008

PRELIMINARY DESIGN SCHEMATIC
SMITH COUNTY & CHEROKEE COUNTY

LIMITS: FROM FM 346 IN FLINT
TO US 69 IN BULLARD

PROJECT LENGTH: 9.168 MILES

DATE: MARCH 2017

TYLER DISTRICT ENGINEER
DENNIS R. COOLEY, P.E.

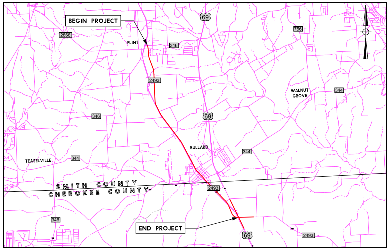
DIRECTOR OF TRANSPORTATION, PLANNING
& DEVELOPMENT
JEFFREY HARMON, P.E.

NOT INTENDED FOR
CONSTRUCTION, BIDDING,
OR PERMIT PURPOSES

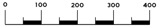
PREPARED UNDER THE SUPERVISION OF

LYNN A. PIPKIN, P.E.	78057 P.E. #	DATE

DESIGN SPEED	FUNCTIONAL CLASS	ADT FM 2493 (FM346 IN FLINT TO FM 344)	ADT FM 2493 (FM 344 TO US 69 NEAR BULLARD)
60 MPH	RURAL ARTERIAL	2015 = 7,000	2015 = 4,500
45 MPH	URBAN ARTERIAL	2035 = 10,400	2035 = 6,600
		2045 = 11,800	2045 = 7,300


BEGIN PROJECT
FLINT
2868
346
2493
69
756
WALNUT GROVE
344
BULLARD
TEASELVILLE
SMITH COUNTY
CHEROKEE COUNTY
END PROJECT

LOCATION MAP
N.T.S.

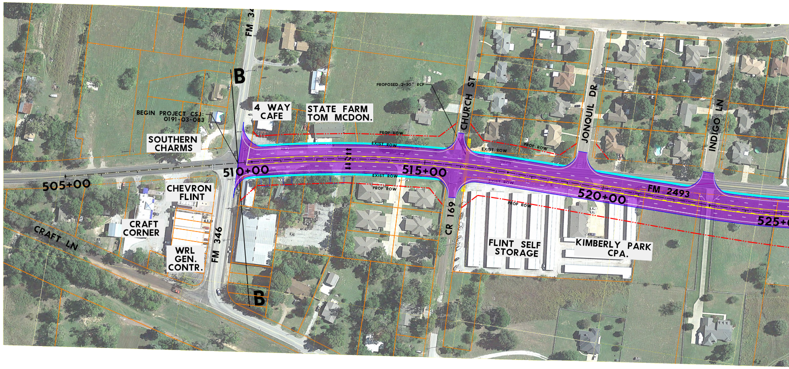

0
100
200
300
400

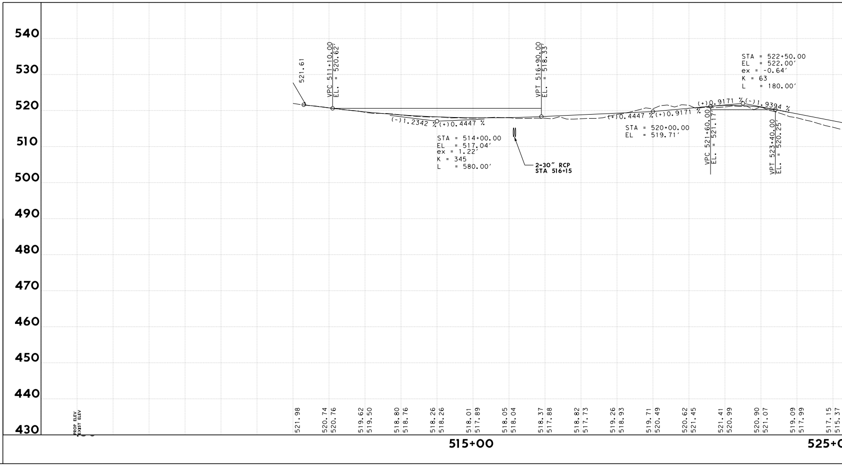
SCALE: H: 1"=100'
V: 1"= 10'

RPS® klotz associates
1160 Dairy Ashford, Suite 500, Houston, Texas 77079
T 281.589.7257 • email@klotz.com • Texas PE Firm Reg. #F-929

LEGEND

←	PROPOSED TRAFFIC DIRECTION
─	PROPOSED EDGE OF PAVEMENT
─	EXISTING PROPERTY LINE
-·-·	EXISTING ROW
-·-·	STATE ROW (PREVIOUS RAILROAD CORRIDOR)
─	TIE-IN CONSTRUCTION LINE
-·-·	PROPOSED ROW (REVISED)
▨	PROPOSED ROADWAY
▨	PROPOSED SIDEWALK


FM 34
B
BEGIN PROJECT CSJ: 0191-03-083
4 WAY CAFE
STATE FARM TOM MCDON.
PROPOSED 2-30" RCP
CHURCH ST
JONQUIL DR
INDIGO LN
SOUTHERN CHARMS
PROP ROW
EXIST ROW
505+00
510+00
515+00
520+00
525+0
FM 2493
CHEVRON FLINT
CRAFT CORNER
CRAFT LN
WRL GEN. CONTR.
FM 346
CR 169
FLINT SELF STORAGE
KIMBERLY PARK CPA.
B



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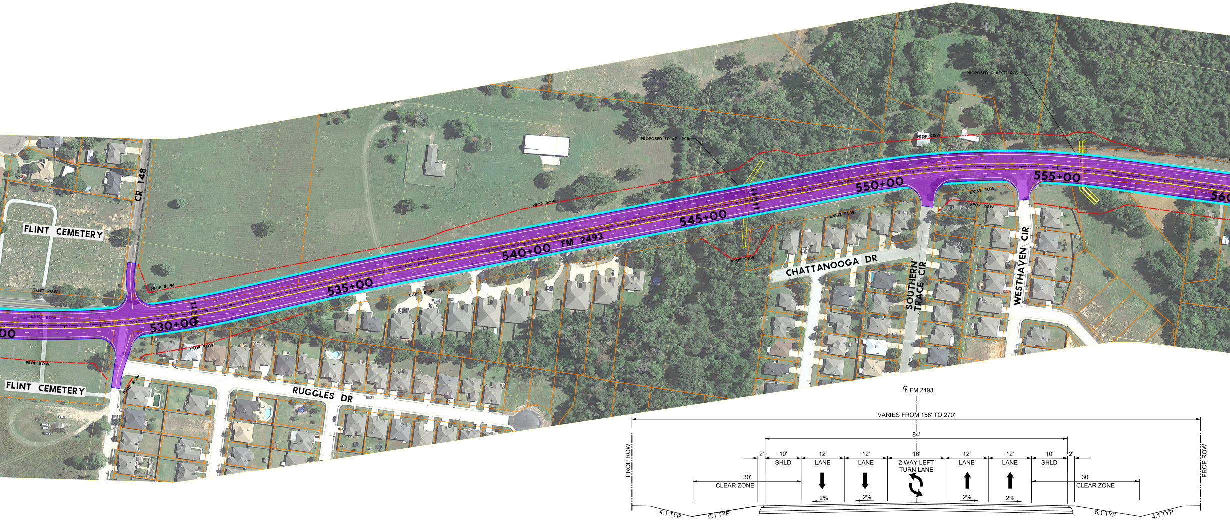
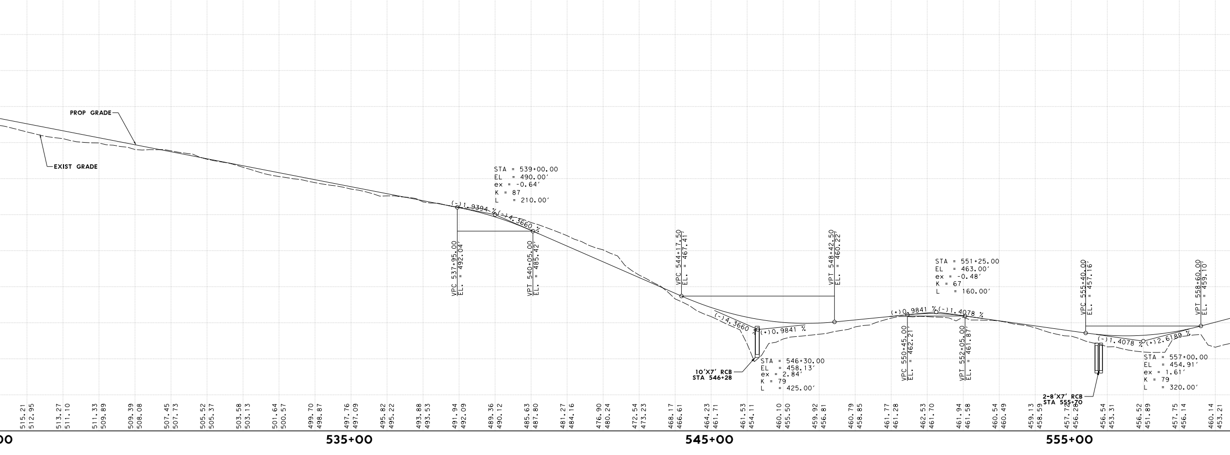
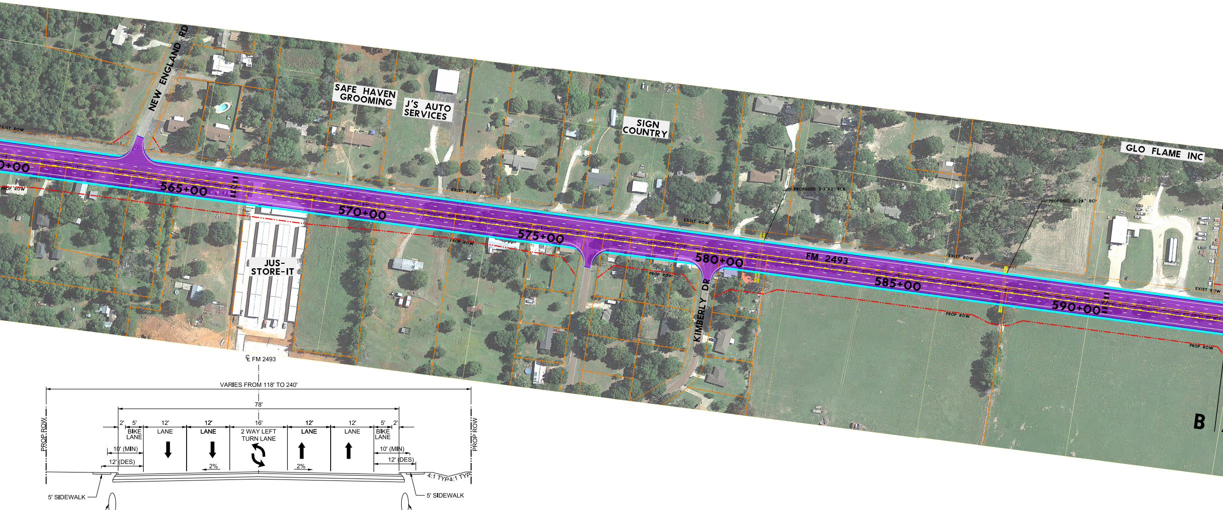

FLINT CEMETERY
CR 148
PROP ROW
EXIST ROW
530+00
535+00
540+00 FM 2493
545+00
550+00
555+00
FLINT CEMETERY
RUGGLES DR
CHATTANOOGA DR
SOUTHERN TRACE CIR
WESTHAVEN CIR
PROPOSED 10'X7' RCB
PROPOSED 2-8'X7' RCB
℄ FM 2493
VARIES FROM 158' TO 270'
84'
PROP ROW
PROP ROW
2'
10' SHLD
12' LANE
12' LANE
16' 2 WAY LEFT TURN LANE
12' LANE
12' LANE
10' SHLD
2'
30' CLEAR ZONE
30' CLEAR ZONE
2%
2%
2%
2%
4:1 TYP
6:1 TYP
6:1 TYP
4:1 TYP

SECTION A

5 LANE RURAL SECTION
NTS

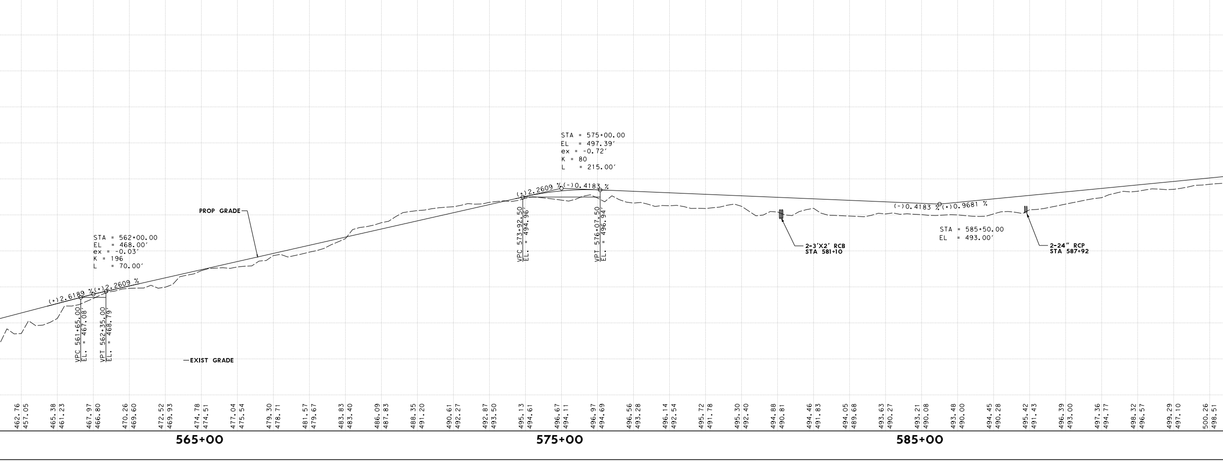




NEW ENGLAND RD
SAFE HAVEN GROOMING
J'S AUTO SERVICES
SIGN COUNTRY
GLO FLAME INC
JUS-STORE-IT
KIMBERLY DR
FM 2493
565+00
570+00
575+00
580+00
585+00
590+00
EXIST ROW
PROP ROW
PROPOSED 2-3'X2' RCB
PROPOSED 2-24" RCP
B
℄ FM 2493
VARIES FROM 118' TO 240'
78'
PROP ROW
2'
5'
BIKE LANE
12'
LANE
16'
2 WAY LEFT TURN LANE
10' (MIN)
12' (DES)
2%
4:1 TYP
5' SIDEWALK
PROP STM SWR

SECTION B

5 LANE URBAN SECTION WITH BIKE LANE
NTS



STA = 562+00.00
EL = 468.00'
ex = -0.03'
K = 196
L = 70.00'
(+)2.6189 %
(+)2.2609 %
VPC 561+65.00
EL. = 467.08
VPT 562+35.00
EL. = 468.79
PROP GRADE
EXIST GRADE
STA = 575+00.00
EL = 497.39'
ex = -0.72'
K = 80
L = 215.00'
(+)2.2609 %
(-)0.4183 %
VPC 573+92.50
EL. = 494.96
VPT 576+07.50
EL. = 496.94
2-3'X2' RCB
STA 581+10
(-)0.4183 %
(+)0.9681 %
STA = 585+50.00
EL = 493.00'
2-24" RCP
STA 587+92
462.76 457.05
465.38 461.23
467.97 466.80
470.26 469.60
472.52 469.93
474.78 474.51
477.04 475.54
479.30 478.71
481.57 479.67
483.83 483.40
486.09 487.83
488.35 491.20
490.61 492.27
492.87 493.50
495.13 494.61
496.67 494.11
496.97 494.69
496.56 493.28
496.14 492.54
495.72 491.78
495.30 492.40
494.88 490.81
494.46 491.83
494.05 489.68
493.63 490.27
493.21 490.08
493.48 490.00
494.45 490.28
495.42 491.43
496.39 493.00
497.36 494.77
498.32 496.57
499.29 497.10
500.26 498.51
565+00
575+00
585+00

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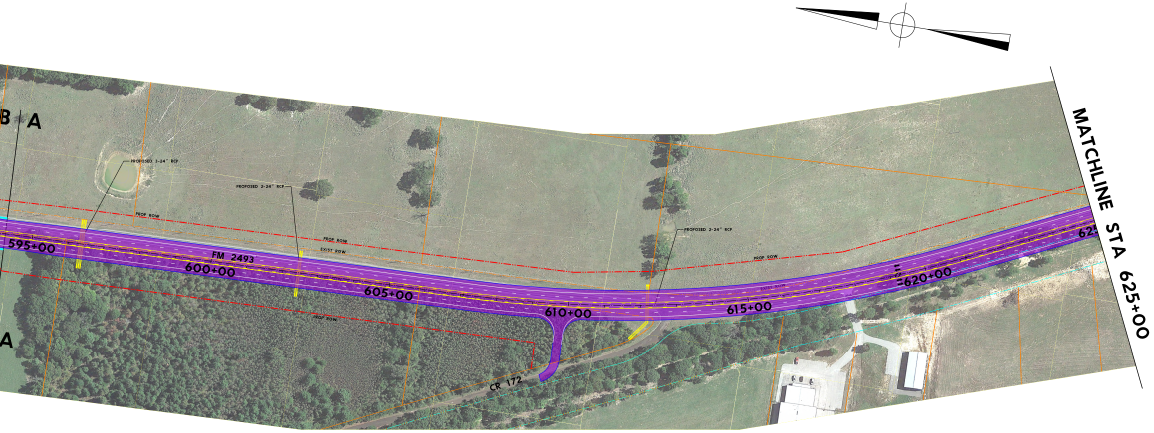
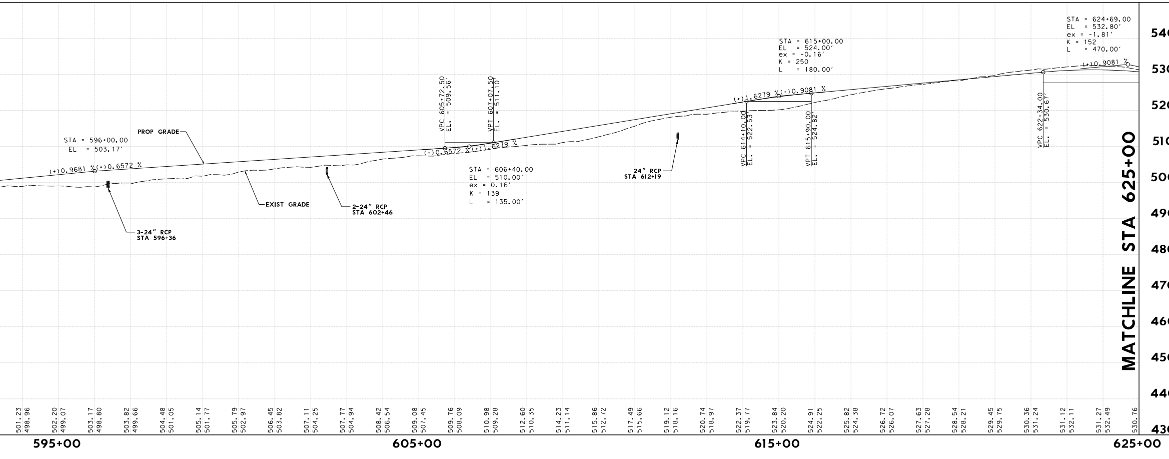
Zeena.Said


B
A
A
PROPOSED 3-24" RCP
PROPOSED 2-24" RCP
PROPOSED 2-24" RCP
PROP ROW
PROP ROW
EXIST ROW
PROP ROW
PROP ROW
EXIST ROW
595+00
FM 2493
600+00
605+00
610+00
615+00
620+00
CR 172
MATCHLINE STA 625+00


STA = 596+00.00
EL = 503.17'
(+)0.9681 %
(+)0.6572 %
PROP GRADE
EXIST GRADE
3-24" RCP
STA 596+36
2-24" RCP
STA 602+46
VPC 605+72.50
EL. = 509.56'
VPT 607+07.50
EL. = 511.10'
(+)0.6572 %
(+)1.6279 %
STA = 606+40.00
EL = 510.00'
ex = 0.16'
K = 139
L = 135.00'
24" RCP
STA 612+19
VPC 614+10.00
EL. = 522.53'
VPT 615+90.00
EL. = 524.82'
(+)1.6279 %
(+)0.9081 %
STA = 615+00.00
EL = 524.00'
ex = -0.16'
K = 250
L = 180.00'
VPC 622+34.00
EL. = 530.67'
STA = 624+69.00
EL = 532.80'
ex = -1.81'
K = 152
L = 470.00'
(+)0.9081 %
MATCHLINE STA 625+00
540
530
520
510
500
490
480
470
460
450
440
430
501.23
498.96
502.20
499.07
503.17
498.80
503.82
499.66
504.48
501.05
505.14
501.77
505.79
502.97
506.45
503.82
507.11
504.25
507.77
504.94
508.42
506.54
509.08
507.45
509.76
508.09
510.98
509.28
512.60
510.35
514.23
511.14
515.86
512.72
517.49
515.66
519.12
518.16
520.74
518.97
522.37
519.77
523.84
520.20
524.91
522.25
525.82
524.38
526.72
526.07
527.63
527.28
528.54
528.21
529.45
529.75
530.36
531.24
531.12
532.11
531.27
532.49
530.76
595+00
605+00
615+00
625+00

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