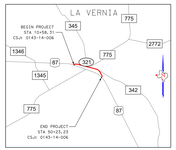
TEXAS DEPARTMENT OF TRANSPORTATION
SCHEMATIC LAYOUT
LOOP 321 - WILSON COUNTY
OFFICE OF THE DISTRICT ENGINEER
SAN ANTONIO, TEXAS

CONTROL: 0143 SECTION: 14 JOB: 006
FROM US 87 TO US 87 EAST
PROJECT LENGTH = 0.75 MILES

ROLL 1 OF 1

DESIGN SPEEDS AND FUNCTIONAL CLASSIFICATIONS:

LP321 (URBAN MAJOR COLLECTOR) = 30 MPH
COUNTY ROAD 342 (RURAL MINOR COLLECTOR) = 30 MPH



VICINITY MAP
N.T.S.

TEXAS COUNTY MAP
N.T.S.

PROPOSED DESIGN STANDARDS

ROADWAY: TXDOT ROADWAY DESIGN MANUAL
OCT 2014 REVISION
CHAPTER 7) SECTION 2) URBAN STREETS
CHAPTER 7) SECTION 4) TWO-LANE RURAL HIGHWAYS

TRAFFIC: TMUTCD 2011 EDITION & APPLICABLE TRAFFIC STANDARDS

H&H: TXDOT HYDRAULIC DESIGN MANUAL JULY 2016 REVISION

CONCURRENCE BY DESIGN DIVISION

CORRECT! , 2021
TRANSPORTATION PLANNING DIRECTOR

CORRECT! , 2021
DIRECTOR OF TRANSPORTATION PLANNING AND DEVELOPMENT

RECOMMENDED FOR APPROVAL! , 2021
DISTRICT ENGINEER

Texas Department of Transportation
SAN ANTONIO DISTRICT
GINA GALLEGOS, P.E., DISTRICT ENGINEER

HALFF
350 NE LOOP 410, SUITE 200
SAN ANTONIO, TEXAS 78216
PH (210) 541-9166
FX (210) 798-7988

STATE	DISTRICT	COUNTY	DATE
TEXAS	SAT	WILSON	8/13/2021
CONT.	SECT.	JOB	HIGHWAY NO.
0143	14	006	LP 321

DRAWN BY: TMM
CHECK BY: CG

LEGEND:

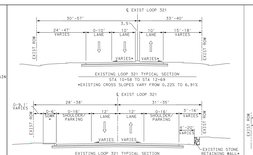
- EXISTING ROW
- PROPOSED ROW
- PROP ALLEY EASEMENT (BY LA VERNIA)
- PROPOSED CURB
- EXISTING EDGE OF PAVEMENT
- PROPOSED RETAINING WALL
- EXISTING PROPERTY LINE
- EXISTING STONE RETAINING WALL
- EXISTING STONE RETAINING WALL TO REMAIN
- PROPOSED CENTERLINE/BASELINE
- PROPOSED PAVEMENT MARKING
- PROPOSED CURB
- PROPOSED PARKING
- PROPOSED DRIVEWAY
- PROPOSED SIDEWALK
- EXISTING SIDEWALK
- PROPOSED SIDEWALK CURB RAMP
- PROPOSED PEDESTRIAN HANDRAIL
- PAVEMENT TO BE REMOVED
- PROPOSED CULVERTS
- EXISTING CULVERTS
- PROPOSED TRAFFIC FLOW
- CROSS DRAINAGE FLOW
- PROPOSED INLETS
- PROPOSED TURN BAYS
- PROPOSED CURVE DATA LABEL

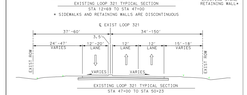
UTILITIES LEGEND:

- TELEPHONE LINE (T)
- FIBER OPTIC/CABLE TV LINE (FO/C)
- WATER LINE (W)
- WATER LINE (W) >8"W)
- FORCE MAIN LINE (FM)
- GAS LINE (G)
- ELECTRIC LINE (E)

ABBREVIATION	DEFINITION
℄	BASELINE
℄	CENTERLINE
CJ	CONTROL JOINT
EL	ELEVATION
FL	FLOW LINE ELEVATION
EXIST	EXISTING
LT	LEFT
NTS	NOT TO SCALE
PROP	PROPOSED
RT	RIGHT
ST	STORM
SDWK	SIDEWALK
STA	STATION
TXDOT	TEXAS DEPARTMENT OF TRANSPORTATION
VAR	VARIES

0 40 80 160
INPUT SCALE IN FEET
0 1 2 4
SHEET SCALE IN INCH



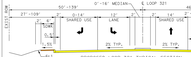


TYPICAL SECTION NOTES (GENERAL):
1) PAVEMENT CROSS SLOPE VARIATIONS FROM 2% TYPICAL DEPICTED IN SUPERELEVATION TRANSITION AREAS.
2) PROPOSED SIDEWALK WIDTHS AND LP 321 OFFSETS MAY VARY DURING DEVELOPMENT OF PS&E
3) MAXIMUM SIDEWALK CROSS SLOPE = 2% AND MAXIMUM SIDEWALK LONGITUDINAL GRADE = 5%
4) TOP OF STONE SLOPE TO MEET MAX FARM EQUIPMENT CONDITIONS.

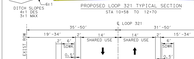
TYPICAL SECTIONS

PROPOSED COUNTY ROAD 342 TYPICAL SECTION
STA 10+58 TO 12+00

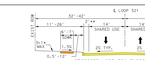
PROPOSED LOOP 321 TYPICAL SECTION
STA 10+58 TO 12+70



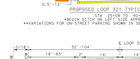
PROPOSED LOOP 321 TYPICAL SECTION
STA 12+70 TO 19+70
2:1 MAX ALTERNATE FOR SHORT DISTANCES WHERE ROW NOT WIDE ENOUGH
WHERE SIDEWALK NOT NEED'D USE 4:1 SLOPE TO 2 MAX DITCH SLOPES



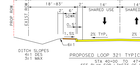
PROPOSED LOOP 321 TYPICAL SECTION
STA 19+70 TO 22+56
EXISTING STONE RETAINING WALL TO REMAIN FROM STA 20+00 TO STA 20+08
**SOUTH SIDEWALK LOCATED TO THE RIGHT OF EXISTING STONE WALL FROM STA 21+32 TO 22+56



PROPOSED LOOP 321 TYPICAL SECTION
STA 22+56 TO 24+00
**BEGIN SECTION OF 2' TYPE A CURB, STA. 23+00
**EVALUATIONS FOR ON-STREET PARKING SHOWN IN SEPARATE SECTION (BELOW)

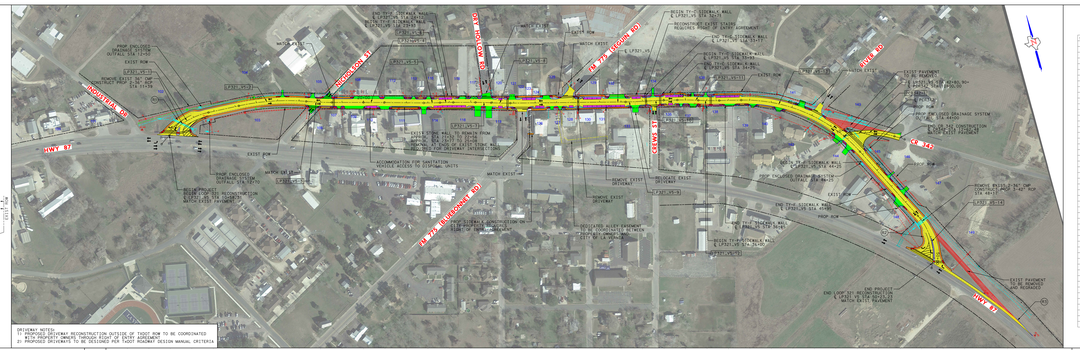


PROPOSED LOOP 321 TYPICAL SECTION
STA 22+56 TO 24+00
SEE SLOPE TO STA 24+00 FOR ADDITIONAL DETAILS
**SECTION OF 8' SIDEWALK FROM STA 23+00 TO STA 24+25
SEE PLAN FOR LIMITS OF TY F STONE WALL



PROPOSED LOOP 321 TYPICAL SECTION
STA 41+97 TO 50+23

PROPOSED LOOP 321 TYPICAL SECTION
STA 24+00 TO 41+97
IN THE SAME DIRECTION AS ROADWAY
**SOUTH SIDEWALK LOCATED TO THE RIGHT OF EXISTING STONE WALL FROM STA 21+32 TO 22+56


PROP. 8' SIDEWALK
PROP. 2' TYPE A CURB