COMAL AND GUADALUPE COUNTY SCHEMATIC

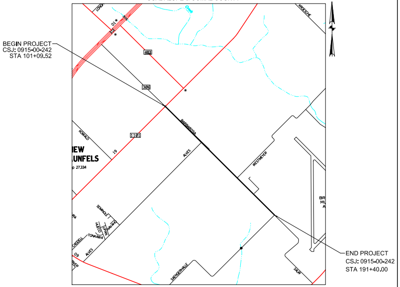
BARBAROSA ROAD

LIMITS: FROM FM 1101 TO SAENGERHALLE ROAD
C.S.J.: 0195-00-242
LENGTH: 1.600 MI

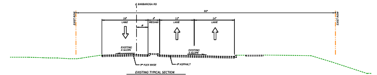
City of New Braunfels

DESIGN SPEED: = 45 MPH MAINLANES, e-max = 6%
= 20 MPH CROSS STREET
TOTAL ROADWAY LENGTH = 8,448.00 FT. = 1.600 MI.
TOTAL BRIDGE LENGTH = 0.00 FT. = 0.000 MI.
TOTAL PROJECT LENGTH = 8,448.00 FT. = 1.600 MI.
CURRENT ADT: 7,000 (2030)
PROJECTED ADT: 11,200 (2050)
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR, LEVEL, LOW SPEED URBAN
PROPOSED DESIGN STANDARDS (STRUCTURES): TXDOT BRIDGE DESIGN MANUAL LRFD, TXDOT BRIDGE DETAILING GUIDE
PROPOSED DESIGN STANDARDS (ROADWAY): AASHTO (2004), AASHTO (2011) AND TxDOT ROADWAY DESIGN MANUAL (2022)
PROPOSED DESIGN STANDARDS (TRAFFIC): TMUTCD (2014, REV. 2) & APPLICABLE STANDARDS

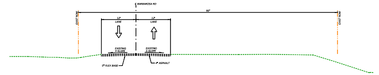
GUADALUPE & COMAL COUNTY


BEGIN PROJECT
CSJ: 0915-00-242
STA 101+09.52
END PROJECT
CSJ: 0915-00-242
STA 191+40.00
483
306
1101
BARBAROSA
ALVES
WESTMEYER
KOWALD
SEMINOLE
TONKAWA
CADDELL
SAENGERHALLE
SAUR
KROESCHE
Creek
IEW
UNFELS
27,334

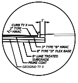
LOCATION MAP (N.T.S.)


℄ BARBAROSA RD
EXIST ROW
90'
10' LANE
4' MEDIAN
12' LANE
14' LANE
EXISTING X-SLOPE
5" FLEX BASE
4" ASPHALT

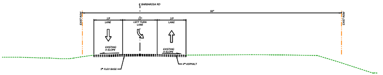
EXISTING TYPICAL SECTION
BEGIN PROJECT TO 114+00.00


℄ BARBAROSA RD
EXIST ROW
90'
12' LANE
12' LANE
EXISTING X-SLOPE
5" FLEX BASE
4" ASPHALT

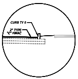
EXISTING TYPICAL SECTION
STA 114+00.00 TO STA 138+00.00
STA 143+00.00 TO END OF PROJECT


CURB TY II
2" TYPE "C" HMAC
1'
3" TYPE "B" HMAC
8" TYPE "D" FLEX BASE
8" LIME TREATED SUBGRADE
PRIME COAT
GEOGRID TY II

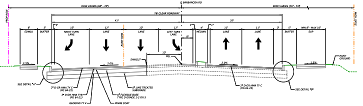
DETAIL "A"


℄ BARBAROSA RD
EXIST ROW
90'
10' LANE
12' LEFT TURN LANE
10' LANE
EXISTING X-SLOPE
5" FLEX BASE
4" ASPHALT

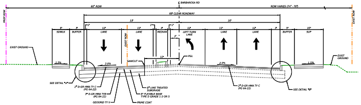
EXISTING TYPICAL SECTION
STA 138+00.00 TO STA 143+00.00


CURB TY II
2" TYPE "C" HMAC

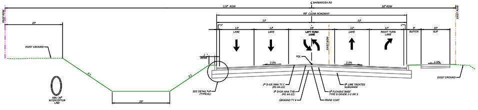
DETAIL "B"


℄ BARBAROSA RD
ROW VARIES (60' - 70')
ROW VARIES (70' - 73')
PROP ROW
EXIST ROW
76' CLEAR ROADWAY
41'
39'
6' SDWLK
5' BUFFER
12' RIGHT TURN LANE
12' LANE
12' LANE
12' LEFT TURN LANE
4' MEDIAN
11' LANE
11' LANE
5' BUFFER
MIN 8' - MAX 10' SUP
1.5%
2.0%
SAWCUT
PGL
EXIST GROUND
SEE DETAIL "A"
SEE DETAIL "B"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
6" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

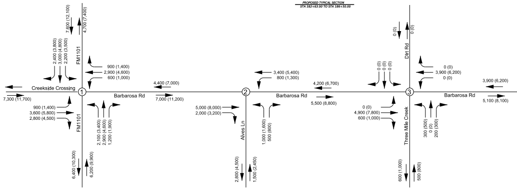
PROPOSED TYPICAL SECTION
BEGIN PROJECT TO STA 106+00.00


℄ BARBAROSA RD
60' ROW
ROW VARIES (74' - 78')
PROP ROW
EXIST ROW
60' CLEAR ROADWAY
6' SDWLK
5' BUFFER
12' LANE
11' LANE
4' MEDIAN
12' LEFT TURN LANE
11' LANE
12' LANE
5' BUFFER
10' SUP
1.5%
2.0%
SAWCUT
PGL
EXIST GROUND
SEE DETAIL "A"
SEE DETAIL "B"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
6" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 106+00.00 TO STA 110+00.00


℄ BARBAROSA RD
110' ROW
50' ROW
PROP ROW
EXIST ROW
60' CLEAR ROADWAY
22'
22'
20'
12' LANE
12' LANE
16' LEFT TURN LANE
12' LANE
12' RIGHT TURN LANE
5' BUFFER
10' SUP
2.0%
1.5%
2' BERM
3:1
3:1
25'
PGL
EXIST GROUND
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
2" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
6" LIME TREATED SUBGRADE
6" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 182+63.00 TO STA 186+50.00


1
2
3
FM1101
Creekside Crossing
Barbarosa Rd
Alves Ln
Dirt Rd
Three Mile Creek
7,600 (12,100)
4,700 (7,400)
2,400 (3,800)
3,000 (4,800)
2,200 (3,500)
900 (1,400)
2,900 (4,600)
600 (1,000)
7,300 (11,700)
900 (1,400)
3,600 (5,800)
2,800 (4,500)
2,100 (3,400)
2,900 (4,600)
1,200 (1,900)
6,400 (10,300)
6,200 (9,900)
4,400 (7,000)
7,000 (11,200)
3,400 (5,400)
800 (1,300)
5,000 (8,000)
2,000 (3,200)
1,000 (1,600)
500 (800)
2,800 (4,500)
1,500 (2,450)
4,200 (6,700)
5,500 (8,800)
0 (0)
0 (0)
0 (0)
0 (0)
0 (0)
0 (0)
3,900 (6,200)
0 (0)
0 (0)
4,900 (7,800)
600 (1,000)
300 (500)
0 (0)
200 (300)
600 (1,000)
500 (800)
3,900 (6,200)
5,100 (8,100)

APPROVED: DESIGN DIVISION LETTER DATED

APPROVED: FHWA LETTER DATED

SUBMITTED BY: ____________________
JAIME AGUILAR, P.E. 87606

APPROVED: ____________________
DISTRICT ENGINEER

"NOT A BIDDING DOCUMENT"

PREPARED BY:

stv
TEXAS REGISTERED ENGINEERING FIRM F-204
12500 SAN PEDRO AVENUE, SUITE 450
SAN ANTONIO, TEXAS 78216
TEL (210) 494-8004
FAX (210) 494-8286

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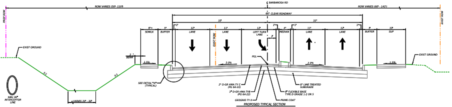
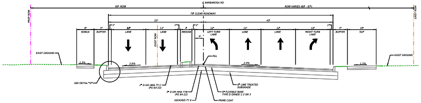
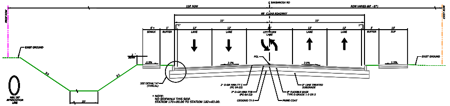
PRELIMINARY
60% SUBMITTAL
FOR INTERIM REVIEW ONLY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
stv
ENGINEER JAIME AGUILAR
P.E. No. 87606 DATE


℄ BARBAROSA RD
ROW VARIES (50' - 110')
ROW VARIES (60' - 141')
65' CLEAR ROADWAY
33'
33'
SDWLK
BUFFER
LANE
LANE
LEFT TURN LANE
MEDIAN
LANE
LANE
BUFFER
SUP
EXIST GROUND
BERM
PGL
2.0%
2.0%
1.5%
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT
NBU 36" INTERCEPTOR LINE
VARIES 20' - 30'

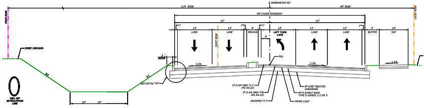
PROPOSED TYPICAL SECTION
STA 110+00.00 TO STA 114+00.00
STA 119+00.00 TO STA 124+00.00
STA 129+36.00 TO STA 134+25.00
STA 157+25.00 TO STA 166+00.00 *


℄ BARBAROSA RD
60' ROW
ROW VARIES (60' - 87')
78' CLEAR ROADWAY
33'
45'
SDWLK
BUFFER
LANE
LANE
MEDIAN
LEFT TURN LANE
LANE
LANE
RIGHT TURN LANE
BUFFER
SUP
EXIST GROUND
PGL
2.0%
2.0%
1.5%
SEE DETAIL "A"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

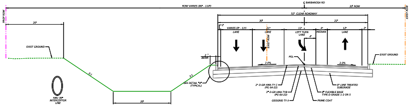
PROPOSED TYPICAL SECTION
STA 114+00.00 TO STA 119+00.00
STA 124+00.00 TO STA 129+36.00


℄ BARBAROSA RD
110' ROW
ROW VARIES (60' - 87')
66' CLEAR ROADWAY
33'
33'
SDWLK
BUFFER
LANE
LANE
LEFT TURN LANE
LANE
LANE
BUFFER
SUP
EXIST GROUND
BERM
PGL
2.0%
2.0%
1.5%
SEE DETAIL "A" (TYPICAL)
* NOTE:
NO SIDEWALK THIS SIDE
STATION 170+00.00 TO STATION 182+63.00.
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT
NBU 36" INTERCEPTOR LINE
20'

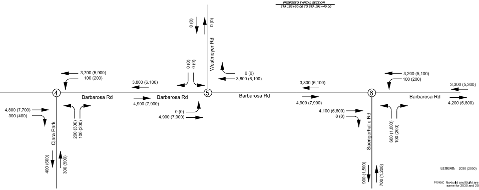
PROPOSED TYPICAL SECTION
STA 134+25.00 TO STA 157+25.00
STA 170+00.00 TO STA 182+63.00 *


℄ BARBAROSA RD
110' ROW
50' ROW
66' CLEAR ROADWAY
33'
33'
LANE
LANE
MEDIAN
LEFT TURN LANE
LANE
LANE
BUFFER
SUP
EXIST GROUND
BERM
PGL
2.0%
2.0%
1.5%
SEE DETAIL "A"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT
NBU 36" INTERCEPTOR LINE
20'
20'

PROPOSED TYPICAL SECTION
STA 166+00.00 TO STA 170+00.00

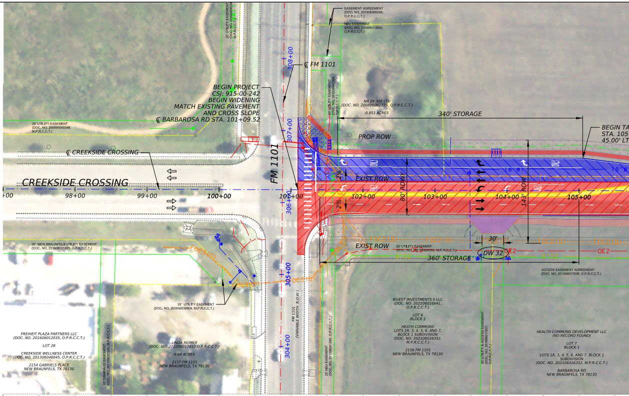

℄ BARBAROSA RD
ROW VARIES (80' - 110')
10' ROW
52' CLEAR ROADWAY
30'
22'
20'
VARIES (0' - 11')
LANE
LANE
LEFT TURN LANE
MEDIAN
LANE
EXIST GROUND
BERM
PGL
2.0%
2.0%
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT
NBU 36" INTERCEPTOR LINE
20'

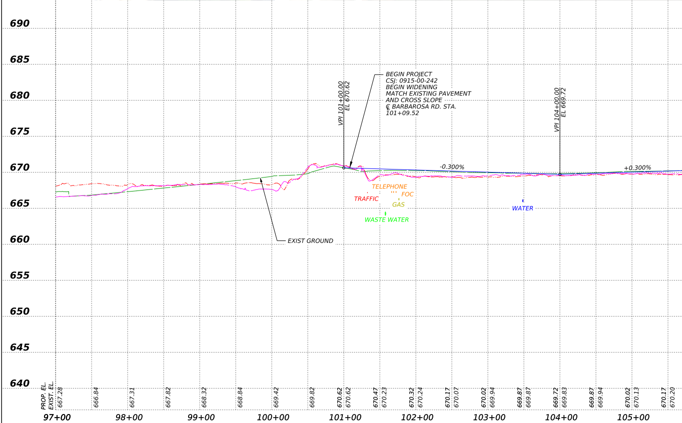
PROPOSED TYPICAL SECTION
STA 186+50.00 TO STA 191+40.00

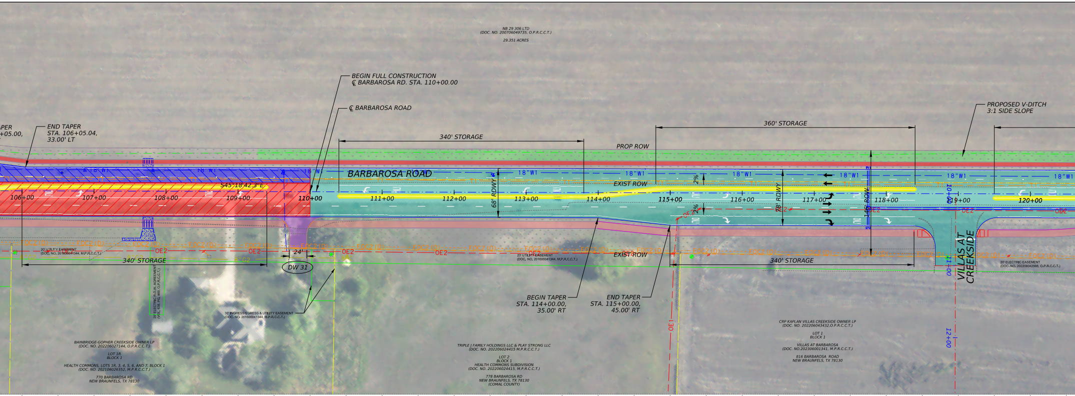

4
5
6
Barbarosa Rd
Barbarosa Rd
Barbarosa Rd
Barbarosa Rd
Clara Park
Westmeyer Rd
Saengerhalle Rd
3,700 (5,900)
100 (200)
4,800 (7,700)
300 (400)
200 (300)
100 (200)
400 (600)
300 (500)
3,800 (6,100)
4,900 (7,900)
0 (0)
0 (0)
0 (0)
0 (0)
0 (0)
3,800 (6,100)
0 (0)
4,900 (7,900)
3,800 (6,100)
4,900 (7,900)
4,100 (6,600)
0 (0)
600 (1,000)
100 (200)
900 (1,500)
700 (1,200)
3,200 (5,100)
100 (200)
3,300 (5,300)
4,200 (6,800)

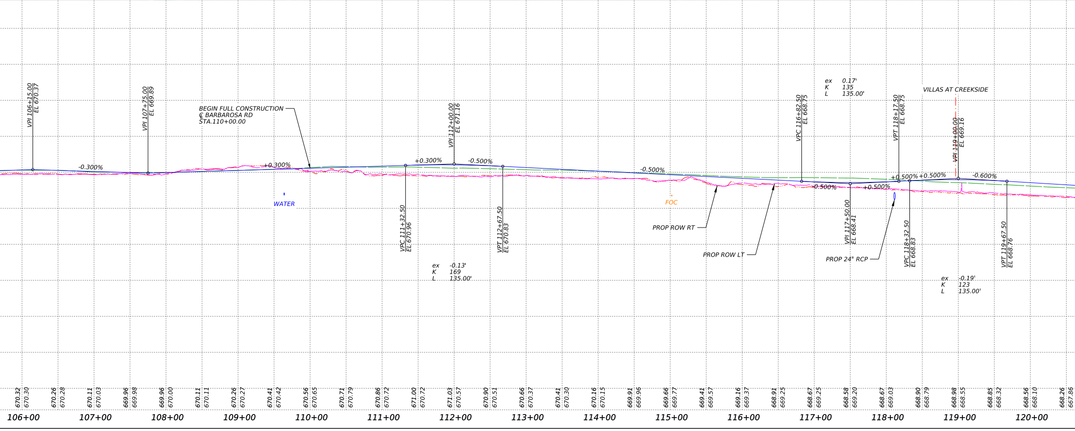
LEGEND: 2030 (2050)

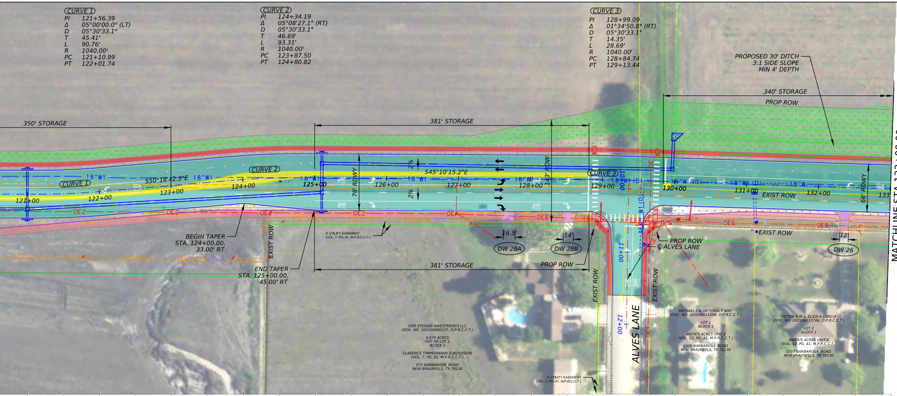
Notes: No-build and Build are the same for 2030 and 2050.

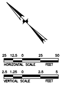

EASEMENT AGREEMENT (DOC. NO. 201506006346, O.P.R.C.C.T.)
NBU EASEMENT (DOC. NO. 201406015682, O.P.R.C.C.T.)
℄ FM 1101
BEGIN PROJECT
CSJ: 915-00-242
BEGIN WIDENING
MATCH EXISTING PAVEMENT
AND CROSS SLOPE
℄ BARBAROSA RD STA. 101+09.52
NB 29 306 LTD (DOC. NO. 200806002775, O.P.R.C.C.T.)
0.851 ACRES
340' STORAGE
BEGIN TA
STA. 105
45.00' LT
PROP ROW
20' UTILITY EASEMENT (DOC. NO. 200906040346, M.P.R.C.C.T.)
℄ CREEKSIDE CROSSING
CREEKSIDE CROSSING
FM 1101
EXIST ROW
80' ROW
143' ROW
98+00
99+00
100+00
101+00
102+00
103+00
104+00
105+00
308+00
307+00
306+00
305+00
304+00
2%
2%
30'
DW 32
OE2
EXIST ROW
20' UTILITY EASEMENT
360' STORAGE
20' NEW BRAUNFELS UTILITY EASEMENT (DOC. NO. 201006021985, O.P.R.C.C.T.)
20' UTILITY EASEMENT (DOC. NO. 200806038909, M.P.R.C.C.T.)
ACCESS EASEMENT AGREEMENT (DOC. NO. 201906017638, O.P.R.C.C.T.)
WUEST INVESTMENTS II LLC (DOC. NO. 202206016641, O.P.R.C.C.T.)
LOT 6
BLOCK 1
HEATH COMMONS
LOTS 1R, 3, 4, 5, 6, AND 7, BLOCK 1 SUBDIVISION
(DOC. NO. 202106026352, M.P.R.C.C.T.)
2156 FM 1101
NEW BRAUNFELS, TX 78130
HEALTH COMMONS DEVELOPMENT LLC (NO RECORD FOUND)
LOT 7
BLOCK 1
LOTS 1R, 3, 4, 5, 6, AND 7, BLOCK 1 SUBDIVISION
(DOC. NO. 202106026352, M.P.R.C.C.T.)
BARBAROSA RD
NEW BRAUNFELS, TX 78130
FREIHEIT PLAZA PARTNERS LLC (DOC. NO. 201606012035, O.P.R.C.C.T.)
LOT 28
CREEKSIDE WELLNESS CENTER (DOC. NO. 201306048045, O.P.R.C.C.T.)
2154 GABRIELS PLACE
NEW BRAUNFELS, TX 78130
LINDA REIMER (DOC. NO. 202206017410 O.P.R.C.C.T.)
0.94 ACRES
2157 FM 1101
NEW BRAUNFELS, TX 78130
FM 1101 (VARIABLE WIDTH R.O.W.)
20' DRAINAGE EASEMENT
20' NBU EASEMENT
30' UTILITY & ACCESS EASEMENT




NB 29 306 LTD
(DOC. NO. 200706049735, O.P.R.C.C.T.)
29.351 ACRES
BEGIN FULL CONSTRUCTION
℄ BARBAROSA RD. STA. 110+00.00
℄ BARBAROSA ROAD
PROPOSED V-DITCH
3:1 SIDE SLOPE
APER
+05.00,
END TAPER
STA. 106+05.04,
33.00' LT
340' STORAGE
360' STORAGE
PROP ROW
EXIST ROW
BARBAROSA ROAD
S45°18'42.3"E
18"W1
T1
106+00
107+00
108+00
109+00
110+00
111+00
112+00
113+00
114+00
115+00
116+00
117+00
118+00
119+00
120+00
68' RDWY
78' RDWY
146' ROW
2%
OE2
FOC2(D)
8"G2
20' UTILITY EASEMENT
(DOC. NO. 201606041344, M.P.R.C.C.T.)
20' ELECTRIC R.O.W. AGREEMENT
(VOL. 638, PG. 460, O.P.R.C.C.T.)
340' STORAGE
24'
DW 31
32' INGRESS/EGRESS & UTILITY EASEMENT
(DOC. NO. 201606041344, M.P.R.C.C.T.)
BAINBRIDGE-GOPHER CREEKSIDE OWNER LP
(DOC. NO. 202206027144, O.P.R.C.C.T.)
LOT 1R
BLOCK 1
HEALTH COMMONS, LOTS 1R, 3, 4, 5, 6, AND 7, BLOCK 1
(DOC. NO. 202106026352, M.P.R.C.C.T.)
770 BARBAROSA RD
NEW BRAUNFELS, TX 78130
20' UTILITY EASEMENT
(DOC. NO. 201606041344, M.P.R.C.C.T.)
EXIST ROW
BEGIN TAPER
STA. 114+00.00,
35.00' RT
END TAPER
STA. 115+00.00,
45.00' RT
OE1
TRIPLE J FAMILY HOLDINGS LLC & PLAY STRONG LLC
(DOC. NO. 202206024415 M.P.R.C.C.T.)
LOT 2
BLOCK 1
HEALTH COMMONS SUBDIVISION
(DOC. NO. 202206024415, M.P.R.C.C.T.)
778 BARBAROSA RD
NEW BRAUNFELS, TX 78130
(COMAL COUNTY)
340' STORAGE
CRP KAPLAN VILLAS CREEKSIDE OWNER LP
(DOC. NO. 202206043432,O.P.R.C.C.T.)
LOT 1
BLOCK 1
VILLAS AT BARBAROSA
(DOC. NO.202306001341, M.P.R.C.C.T.)
816 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
VILLAS AT CREEKSIDE
10+00
11+00
12+00
20' ELECTRIC EASEMENT
(DOC. NO. 202206042998, O.P.R.C.C.T.)


VPI 106+15.00
EL 670.37
VPI 107+75.00
EL 669.89
-0.300%
+0.300%
BEGIN FULL CONSTRUCTION
℄ BARBAROSA RD
STA.110+00.00
WATER
VPI 112+00.00
EL 671.16
+0.300%
-0.500%
VPC 111+32.50
EL 670.96
VPT 112+67.50
EL 670.83
ex -0.13'
K 169
L 135.00'
-0.500%
FOC
PROP ROW RT
PROP ROW LT
ex 0.17'
K 135
L 135.00'
VPC 116+82.50
EL 668.75
-0.500%
VPI 117+50.00
EL 668.41
+0.500%
VPT 118+17.50
EL 668.75
+0.500%
PROP 24" RCP
VPC 118+32.50
EL 668.83
VILLAS AT CREEKSIDE
VPI 119+00.00
EL 669.16
+0.500%
-0.600%
VPT 119+67.50
EL 668.76
ex -0.19'
K 123
L 135.00'
670.32
670.30
670.26
670.28
670.11
670.03
669.96
669.98
669.96
670.00
670.11
670.11
670.26
670.27
670.41
670.42
670.56
670.65
670.71
670.79
670.86
670.72
671.00
670.72
671.03
670.57
670.90
670.51
670.66
670.37
670.41
670.30
670.16
670.15
669.91
669.96
669.66
669.77
669.41
669.57
669.16
669.37
668.91
669.25
668.67
669.25
668.58
669.20
668.67
669.03
668.90
668.79
668.98
668.55
668.85
668.32
668.56
668.10
668.26
667.86
106+00
107+00
108+00
109+00
110+00
111+00
112+00
113+00
114+00
115+00
116+00
117+00
118+00
119+00
120+00


CURVE 1
PI 121+56.39
Δ 05°00'00.0" (LT)
D 05°30'33.1"
T 45.41'
L 90.76'
R 1040.00'
PC 121+10.99
PT 122+01.74
CURVE 2
PI 124+34.19
Δ 05°08'27.1" (RT)
D 05°30'33.1"
T 46.69'
L 93.31'
R 1040.00'
PC 123+87.50
PT 124+80.82
CURVE 3
PI 128+99.09
Δ 01°34'50.8" (RT)
D 05°30'33.1"
T 14.35'
L 28.69'
R 1040.00'
PC 128+84.74
PT 129+13.44
PROPOSED 30' DITCH
3:1 SIDE SLOPE
MIN 4' DEPTH
340' STORAGE
PROP ROW
350' STORAGE
381' STORAGE
143' ROW
78' RDWY
66' RDWY
2%
2%
S50°18'42.3"E
S45°10'15.2"E
18"W1
CURVE 1
CURVE 2
CURVE 3
121+00
122+00
123+00
124+00
125+00
126+00
127+00
128+00
129+00
130+00
131+00
132+00
133
EXIST ROW
OE2
OE6
OE1
FOC2 (D)
W1 (D)
BEGIN TAPER
STA. 124+00.00,
33.00' RT
END TAPER
STA. 125+00.00,
45.00' RT
5' UTILITY EASEMENT
(VOL. 7, PG. 81, M.P.R.C.C.T.)
16.5'
14'
12'
DW 28A
DW 28B
DW 26
PROP ROW
℄ ALVES LANE
10+00
11+00
12+00
ALVES LANE
VIER STEIGEN INVESTMENTS LLC
(DOC. NO. 202106000237, O.P.R.C.C.T.)
4.976 ACRES
OUT OF LOT 2
BLOCK 1
CLARENCE TIMMERMANN SUBDIVISION
(VOL. 7, PG. 81, M.P.R.C.C.T.)
972 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
MICHAEL L & VICTORIA P WAY
(DOC. NO. 201006021098, O.P.R.C.C.T.)
LOT 1
BLOCK 1
ANITA'S ACRES UNIT 2
(VOL. 12, PG. 41, M.P.R.C.C.T.)
1006 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
VICTOR B JR & ELIDA A GARCIA
(DOC. NO. 200506032746, O.P.R.C.C.T.)
LOT 2
BLOCK 1
ANITA'S ACRES UNIT 2
(VOL. 12, PG. 41, M.P.R.C.C.T.)
1010 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
MATCHLINE STA 133+00.00

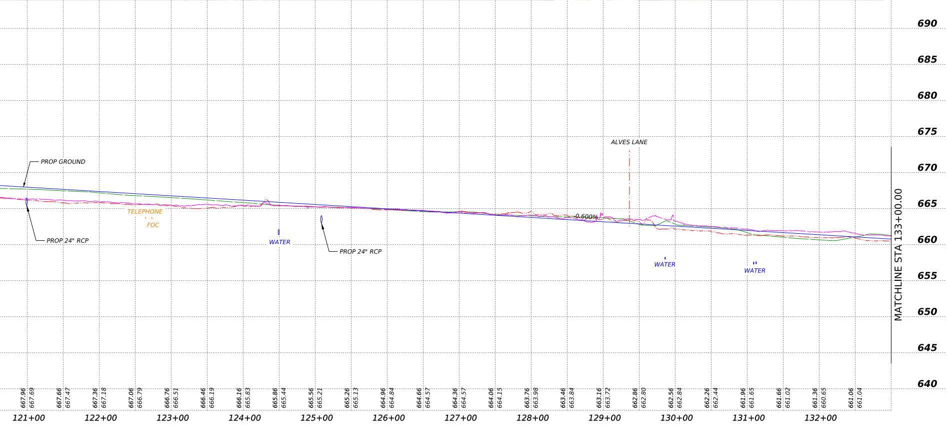

25 12.5 0 25 50
HORIZONTAL SCALE FEET
2.5 1.25 0 2.5 5
VERTICAL SCALE FEET

LEGEND

DIRECTION OF TRAFFIC FLOW	←
EXIST ROW	— · · —
PROP ROW	— · · —
PROP ROADWAY	🟦
PROP SHARED USE PATH	🟥
PROP DRIVEWAY	🟪
PROP SIDEWALK	🟥
PROP MEDIAN	🟨
PROP DITCH	🟩
PROP WIDENING	▨
PROP MILL & OVERLAY	▨

LEVEL "B"	LEVEL "C" & "D"	DESCRIPTION
T#	T#(D)	TELEPHONE
FOC#	FOC#(D)	FIBER OPTIC
CTV1	CTV1(D)	CABLE TV
W1	W1(D)	WATER
WW1	WW1(D)	WASTEWATER
G#	G#(D)	GAS
OHE#	OHE#(D)	OVERHEAD ELECTRIC
E1	E1(D)	UNDERGROUND ELECTRIC
TS1	TS1(D)	TRAFFIC SIGNAL

□ TELEPHONE PEDESTAL	⋈ GAS VALVE
□ FIBER OPTIC HAND HOLE	-○- POWER PLE
◈ FIRE HYDRANT	□ ELECTRIC BOX
□ WATER METER	☼ LIGHT POLE
⋈ WATER VALVE	⊙ PEDESTRIAN SIGNAL POLE
○ WASTEWATER MANHOLE	—● TRAFFIC SIGNAL



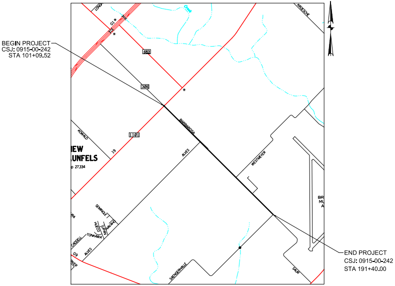
COMAL AND GUADALUPE COUNTY SCHEMATIC

BARBAROSA ROAD

LIMITS: FROM FM 1101 TO SAENGERHALLE ROAD
C.S.J.: 0195-00-242
LENGTH: 1.600 MI

DESIGN SPEED: = 45 MPH MAINLANES, e-max = 6%
= 20 MPH CROSS STREET
TOTAL ROADWAY LENGTH = 8,448.00 FT. = 1.600 MI.
TOTAL BRIDGE LENGTH = 0.00 FT. = 0.000 MI.
TOTAL PROJECT LENGTH = 8,448.00 FT. = 1.600 MI.
CURRENT ADT: 7,000 (2030)
PROJECTED ADT: 11,200 (2050)
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR, LEVEL, LOW SPEED URBAN
PROPOSED DESIGN STANDARDS (STRUCTURES): TXDOT BRIDGE DESIGN MANUAL LRFD, TXDOT BRIDGE DETAILING GUIDE
PROPOSED DESIGN STANDARDS (ROADWAY): AASHTO (2004), AASHTO (2011) AND TxDOT ROADWAY DESIGN MANUAL (2022)
PROPOSED DESIGN STANDARDS (TRAFFIC): TMUTCD (2014, REV. 2) & APPLICABLE STANDARDS

GUADALUPE & COMAL COUNTY


BEGIN PROJECT
CSJ: 0915-00-242
STA 101+09.52
END PROJECT
CSJ: 0915-00-242
STA 191+40.00
BARBAROSA
ALVES
WESTMEYER
SAENGERHALLE
SAUR
KROCKER
KOWALD
SEMINOLE
TONKAWA
483
306
1101
19
NEW BRAUNFELS
27334

LOCATION MAP (N.T.S.)

APPROVED: DESIGN DIVISION LETTER DATED

APPROVED: FHWA LETTER DATED

SUBMITTED BY: ______
JAIME AGUILAR, P.E. 87606

APPROVED:

DISTRICT ENGINEER

"NOT A BIDDING DOCUMENT"

PREPARED BY:

TEXAS REGISTERED ENGINEERING FIRM F-204
12500 SAN PEDRO AVENUE, SUITE 450
SAN ANTONIO, TEXAS 78216
TEL (210) 494-8004
FAX (210) 494-8286

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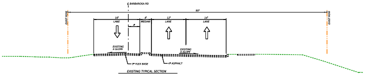
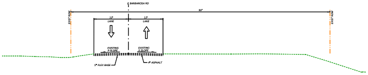
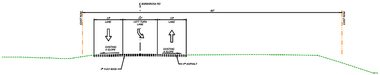
60% SUBMITTAL
FOR INTERIM REVIEW ONLY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
ENGINEER JAIME AGUILAR
P.E. No. 87606 DATE


℄ BARBAROSA RD
EXIST ROW
10' LANE
4' MEDIAN
12' LANE
14' LANE
EXISTING X-SLOPE
5" FLEX BASE
4" ASPHALT

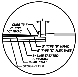
EXISTING TYPICAL SECTION
BEGIN PROJECT TO 114+00.00


℄ BARBAROSA RD
EXIST ROW
60'
12' LANE
12' LANE
EXISTING X-SLOPE
5" FLEX BASE
4" ASPHALT

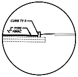
EXISTING TYPICAL SECTION
STA 114+00.00 TO STA 138+00.00
STA 143+00.00 TO END OF PROJECT


℄ BARBAROSA RD
EXIST ROW
60'
10' LANE
12' LEFT TURN LANE
10' LANE
EXISTING X-SLOPE
5" FLEX BASE
4" ASPHALT

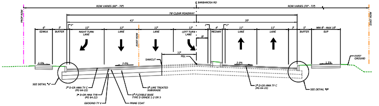
EXISTING TYPICAL SECTION
STA 138+00.00 TO STA 143+00.00


CURB TY II
2" TYPE "C" HMAC
1'
3" TYPE "B" HMAC
8" TYPE "D" FLEX BASE
8" LIME TREATED SUBGRADE
PRIME COAT
GEOGRID TY II

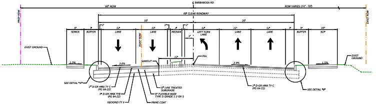
DETAIL "A"


CURB TY II
2" TYPE "C" HMAC

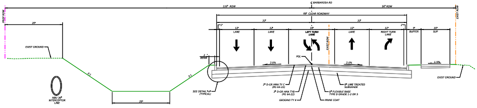
DETAIL "B"


℄ BARBAROSA RD
ROW VARIES (60' - 70')
ROW VARIES (70' - 73')
78' CLEAR ROADWAY
PROP ROW
EXIST ROW
41'
39'
SDWLK
BUFFER
RIGHT TURN LANE
LANE
LEFT TURN LANE
MEDIAN
BUFFER
SUP
SAWCUT
PGL
2.0%
1.5%
EXIST GROUND
SEE DETAIL "A"
SEE DETAIL "B"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

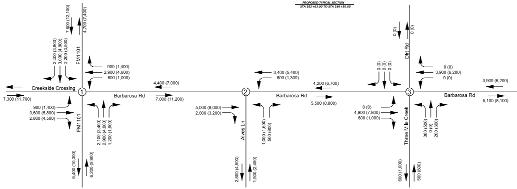
PROPOSED TYPICAL SECTION
BEGIN PROJECT TO STA 106+00.00

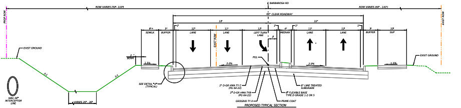

℄ BARBAROSA RD
60' ROW
ROW VARIES (74' - 78')
68' CLEAR ROADWAY
PROP ROW
EXIST ROW
32'
29'
SDWLK
BUFFER
LANE
MEDIAN
LEFT TURN LANE
BUFFER
SUP
SAWCUT
PGL
2.0%
1.5%
EXIST GROUND
SEE DETAIL "A"
SEE DETAIL "B"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 106+00.00 TO STA 110+00.00

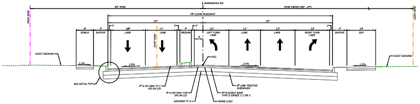

℄ BARBAROSA RD
110' ROW
90' ROW
66' CLEAR ROADWAY
PROP ROW
EXIST ROW
20'
22'
22'
LANE
LEFT TURN LANE
RIGHT TURN LANE
BUFFER
SUP
2' BERM
PGL
2.0%
1.5%
3:1
EXIST GROUND
NRU 36" INTERCEPTOR LINE
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
2" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 182+63.00 TO STA 186+50.00

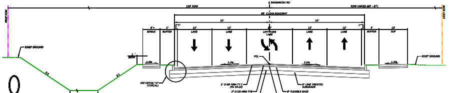

FM1101
Creekside Crossing
Barbarosa Rd
Alves Ln
Dirt Rd
Three Mile Creek
1
2
3
7,600 (12,100)
4,700 (7,400)
2,400 (3,800)
3,000 (4,800)
2,200 (3,500)
900 (1,400)
2,900 (4,600)
600 (1,000)
4,400 (7,000)
7,300 (11,700)
7,000 (11,200)
900 (1,400)
3,600 (5,800)
2,800 (4,500)
2,100 (3,400)
2,900 (4,600)
1,200 (1,900)
6,400 (10,300)
6,200 (9,900)
3,400 (5,400)
800 (1,300)
4,200 (6,700)
5,000 (8,000)
2,000 (3,200)
5,500 (8,800)
1,000 (1,600)
500 (800)
2,800 (4,500)
1,500 (2,450)
0 (0)
0 (0)
0 (0)
3,900 (6,200)
3,900 (6,200)
5,100 (8,100)
4,900 (7,800)
600 (1,000)
300 (500)
200 (300)
600 (1,000)
500 (800)


℄ BARBAROSA RD
ROW VARIES (50' - 110')
ROW VARIES (60' - 141')
66' CLEAR ROADWAY
33'
33'
SDWLK
BUFFER
LANE
LANE
LEFT TURN LANE
MEDIAN
LANE
LANE
BUFFER
SUP
EXIST GROUND
PROP ROW
EXIST ROW
2.0%
2.0%
1.5%
1.5%
3:1
3:1
BERM
PGL
VARIES 20' - 30'
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 110+00.00 TO STA 114+00.00
STA 119+00.00 TO STA 124+00.00
STA 129+36.00 TO STA 134+25.00
STA 157+25.00 TO STA 166+00.00 *

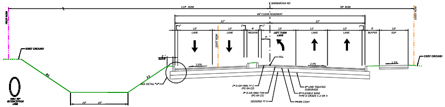

℄ BARBAROSA RD
60' ROW
ROW VARIES (60' - 87')
78' CLEAR ROADWAY
33'
45'
SDWLK
BUFFER
LANE
LANE
MEDIAN
LEFT TURN LANE
LANE
LANE
RIGHT TURN LANE
BUFFER
SUP
EXIST GROUND
PROP ROW
EXIST ROW
2.0%
2.0%
1.5%
1.5%
PGL
SEE DETAIL "A"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 114+00.00 TO STA 119+00.00
STA 124+00.00 TO STA 129+36.00

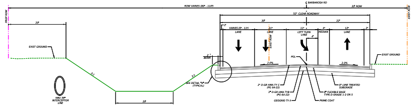

℄ BARBAROSA RD
110' ROW
ROW VARIES (60' - 87')
66' CLEAR ROADWAY
33'
33'
SDWLK
BUFFER
LANE
LANE
LEFT TURN LANE
LANE
LANE
BUFFER
SUP
EXIST GROUND
PROP ROW
EXIST ROW
2.0%
2.0%
1.5%
1.5%
BERM
PGL
20'
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

* NOTE:
NO SIDEWALK THIS SIDE.
STATION 170+00.00 TO STATION 182+63.00.

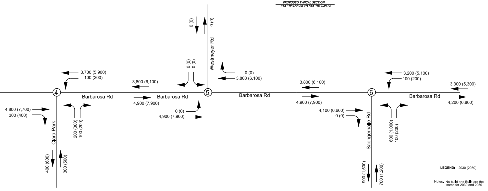
PROPOSED TYPICAL SECTION
STA 134+25.00 TO STA 157+25.00
STA 170+00.00 TO STA 182+63.00 *


℄ BARBAROSA RD
110' ROW
50' ROW
66' CLEAR ROADWAY
33'
33'
LANE
LANE
MEDIAN
LEFT TURN LANE
LANE
LANE
BUFFER
SUP
EXIST GROUND
PROP ROW
EXIST ROW
2.0%
2.0%
1.5%
BERM
PGL
20'
20'
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 166+00.00 TO STA 170+00.00

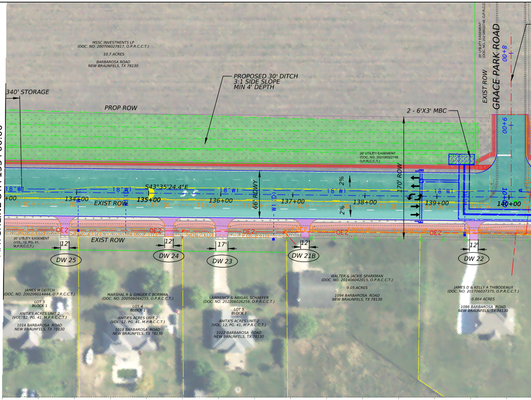

℄ BARBAROSA RD
ROW VARIES (60' - 110')
33' ROW
52' CLEAR ROADWAY
30'
22'
VARIES (0' - 11')
LANE
LANE
LEFT TURN LANE
MEDIAN
LANE
20'
20'
EXIST GROUND
PROP ROW
EXIST ROW
2.0%
2.0%
BERM
PGL
3:1
3:1
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

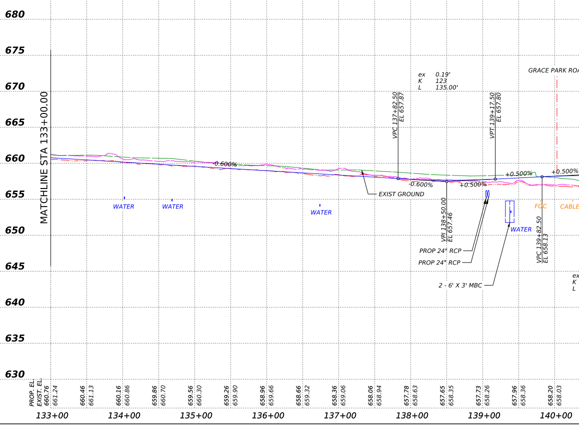
PROPOSED TYPICAL SECTION
STA 186+50.00 TO STA 191+40.00

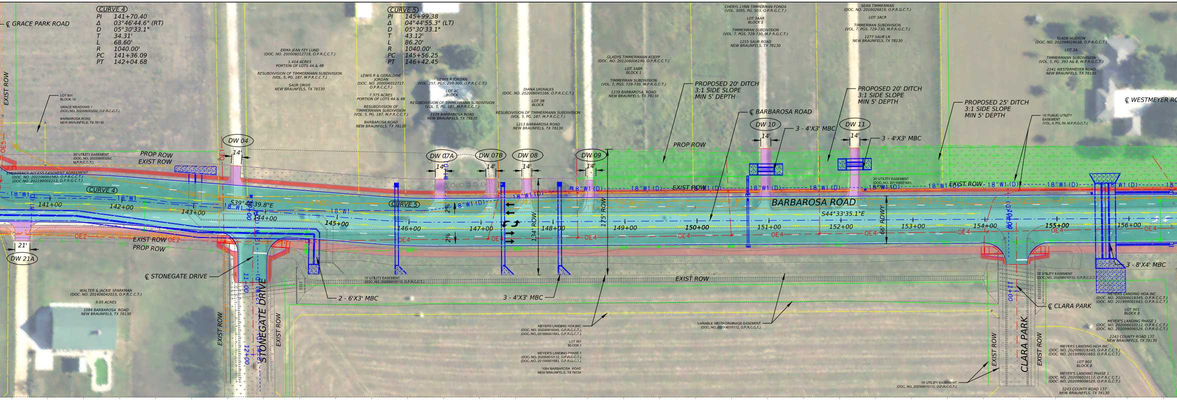

Westmeyer Rd
Clara Park
Saengerhalle Rd
Barbarosa Rd
Barbarosa Rd
Barbarosa Rd
Barbarosa Rd
4
5
6
3,700 (5,900)
100 (200)
3,800 (6,100)
4,800 (7,700)
300 (400)
4,900 (7,900)
200 (300)
100 (200)
400 (600)
300 (500)
0 (0)
0 (0)
0 (0)
0 (0)
0 (0)
3,800 (6,100)
0 (0)
4,900 (7,900)
3,800 (6,100)
4,900 (7,900)
4,100 (6,600)
0 (0)
3,200 (5,100)
100 (200)
600 (1,000)
100 (200)
900 (1,500)
700 (1,200)
3,300 (5,300)
4,200 (6,800)

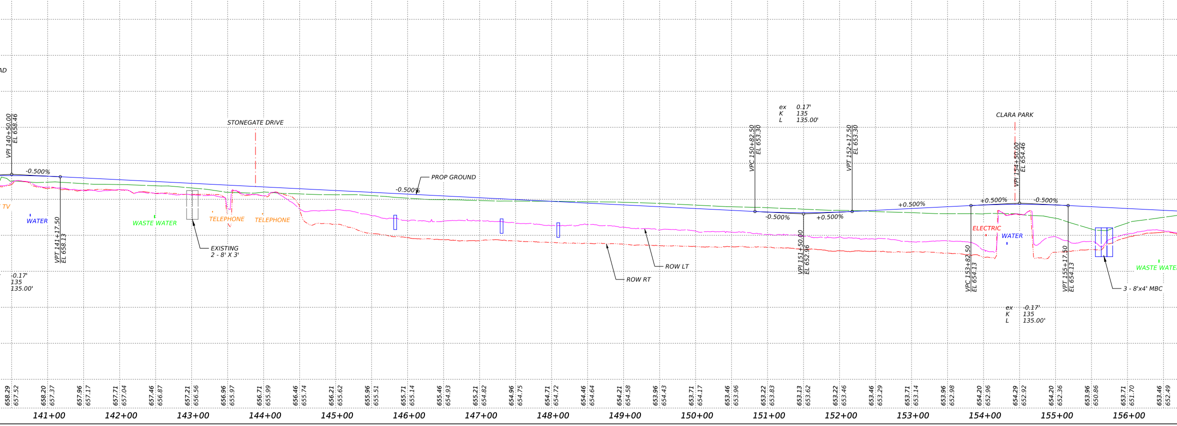
LEGEND: 2030 (2050)

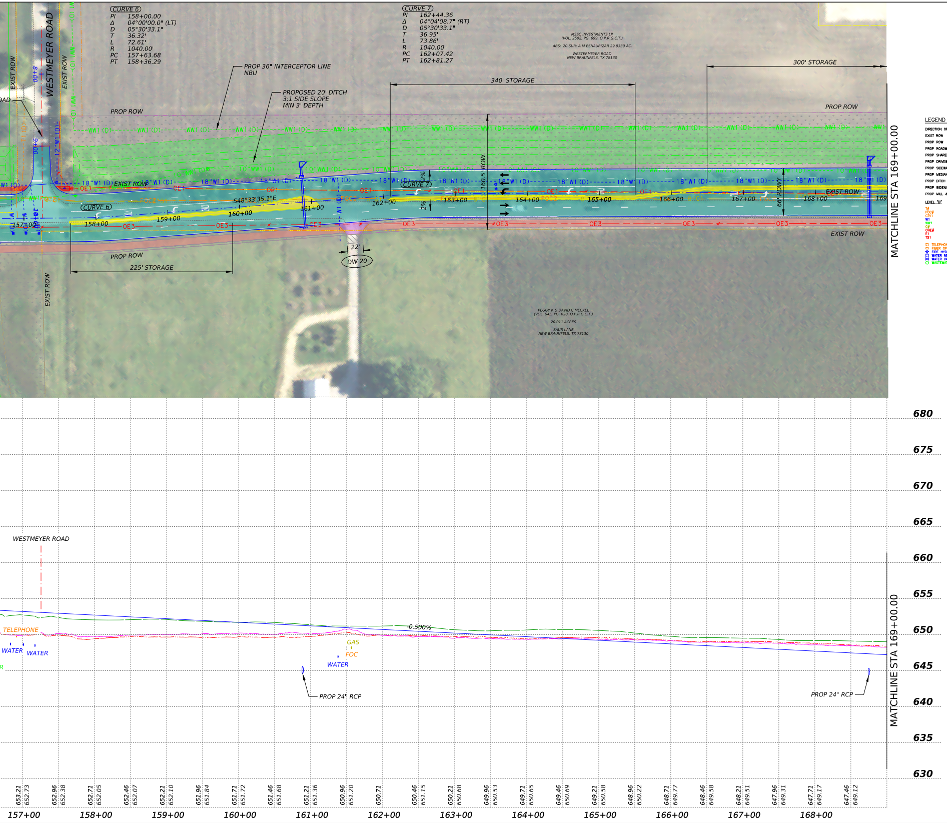
Notes: No-build and Build are the same for 2030 and 2050.


MATCHLINE STA 133+00.00
MSSC INVESTMENTS LP
(DOC. NO. 200706027817, O.P.R.C.C.T.)
10.7 ACRES
BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
PROPOSED 30' DITCH
3:1 SIDE SLOPE
MIN 4' DEPTH
340' STORAGE
PROP ROW
2 - 6'X3' MBC
EXIST ROW
GRACE PARK ROAD
20' UTILITY EASEMENT (DOC. NO. 202106022748, O.P.R.C.C.T.)
S43°35'24.4"E
134+00
135+00
136+00
137+00
138+00
139+00
140+00
EXIST ROW
66' ROWY
170' ROW
2%
2%
18" W
OE2
12'
12'
17'
12'
12'
DW 25
DW 24
DW 23
DW 21B
DW 22
20' UTILITY EASEMENT (VOL. 12, PG. 41, M.P.R.C.C.T.)
JAMES M DEITCH
(DOC. NO. 200206014444, O.P.R.C.C.T.)
LOT 3
BLOCK 1
ANITA'S ACRES UNIT 2
(VOL. 12, PG. 41, M.P.R.C.C.T.)
1014 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
MARSHAL R & GINGER C BORMAN
(DOC. NO. 200506044255, O.P.R.C.C.T.)
LOT 4
BLOCK 1
ANITA'S ACRES UNIT 2
(VOL. 12, PG. 41, M.P.R.C.C.T.)
1018 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
LAWRENCE & ABIGAIL SCHAEFER
(DOC. NO. 202206026259, O.P.R.C.C.T.)
LOT 5
BLOCK 1
ANITA'S ACRES UNIT 2
(VOL. 12, PG. 41, M.P.R.C.C.T.)
1022 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
WALTER & JACKIE SPARKMAN
(DOC. NO. 201406042015, O.P.R.C.C.T.)
9.05 ACRES
1094 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
JAMES D & KELLY A THIBODEAUX
(DOC. NO. 201706037375, O.P.R.C.C.T.)
0.864 ACRES
1086 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130




CURVE 4
PI 141+70.40
Δ 03°46'44.6" (RT)
D 05°30'33.1"
T 34.31'
L 68.60'
R 1040.00'
PC 141+36.09
PT 142+04.68
CURVE 5
PI 145+99.38
Δ 04°44'55.3" (LT)
D 05°30'33.1"
T 43.12'
L 86.20'
R 1040.00'
PC 145+56.25
PT 146+42.45
℄ GRACE PARK ROAD
EXIST ROW
LOT 901
BLOCK 10
GRACE MEADOWS 1
(DOC. NO. 202006003262, O.P.R.C.C.T.)
BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
ERMA JEAN FEY LUND
(DOC. NO. 200006012718, O.P.R.C.C.T.)
1.414 ACRES
PORTION OF LOTS 4A & 4B
RESUBDIVISION OF TIMMERMANN SUBDIVISION
(VOL. 5, PG. 187, M.P.R.C.C.T.)
SAUR DRIVE
NEW BRAUNFELS, TX 78130
LEWIS R & GERALDINE JORDAN
(DOC. NO. 200006012717, O.P.R.C.C.T.)
7.375 ACRES
PORTION OF LOTS 4A & 4B
RESUBDIVISION OF TIMMERMANN SUBDIVISION
(VOL. 5, PG. 187, M.P.R.C.C.T.)
BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
LEWIS R JORDAN
(VOL. 257, PGS. 299-300, O.P.R.C.C.T.)
LOT 4C
BLOCK
RESUBDIVISION OF TIMMERMANN SUBDIVISION
(VOL. 5, PG. 187, M.P.R.C.C.T.)
1179 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
DIANA URDIALES
(DOC. NO. 202006045166, O.P.R.C.C.T.)
LOT 3B
BLOCK
RESUBDIVISION OF TIMMERMANN SUBDIVISION
(VOL. 5, PG. 187, M.P.R.C.C.T.)
1213 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
GLADYS TIMMERMANN KOEPP
(DOC. NO. 202006006199, O.P.R.C.C.T.)
LOT 3ABR
BLOCK 1
TIMMERMANN SUBDIVISION
(VOL. 7, PGS. 729-730, M.P.R.C.C.T.)
1239 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
CHERYL LYNN TIMMERMAN FONDA
(VOL. 3095, PG. 503, O.P.R.C.C.T.)
LOT 3AAR
BLOCK 1
TIMMERMAN SUBDIVISION
(VOL. 7, PGS. 729-730, M.P.R.C.C.T.)
1255 SAUR ROAD
NEW BRAUNFELS, TX 78130
SEAN TIMMERMAN
(DOC. NO. 2016026819, O.P.R.C.C.T.)
LOT 3ACR
TIMMERMAN SUBDIVISION
(VOL. 7, PGS. 729-730, M.P.R.C.C.T.)
1277 SAUR LN
NEW BRAUNFELS, TX 78130
SLADE HUDSON
(DOC. NO. 202099019038, O.P.R.C.C.T.)
LOT 2A
TIMMERMANN SUBDIVISION
(VOL. 5, PG. 393 A& B, M.P.R.C.C.T.)
2241 WESTERMEYER ROAD
NEW BRAUNFELS, TX 78130
℄ WESTMEYER RO
PROPOSED 20' DITCH
3:1 SIDE SLOPE
MIN 5' DEPTH
PROPOSED 20' DITCH
3:1 SIDE SLOPE
MIN 5' DEPTH
PROPOSED 25' DITCH
3:1 SIDE SLOPE
MIN 5' DEPTH
℄ BARBAROSA ROAD
DW 10
DW 11
3 - 4'X3' MBC
3 - 4'X3' MBC
14'
PROP ROW
EXIST ROW
20' UTILITY EASEMENT
(DOC. NO. 202006003262, M.P.R.C.C.T.)
EMERGENCY ACCESS EASEMENT AGREEMENT
(DOC. NO. 202106001582, O.P.R.C.C.T.)
(DOC. NO. 201999001213, O.P.R.C.C.T.)
DW 04
DW 07A
DW 07B
DW 08
DW 09
18"W1
18"W1 (D)
CURVE 4
CURVE 5
141+00
142+00
143+00
144+00
145+00
146+00
147+00
148+00
149+00
150+00
151+00
152+00
153+00
154+00
155+00
156+00
S39°46'39.8"E
S44°33'35.1"E
BARBAROSA ROAD
2%
134' ROW
175' ROW
66' ROW
OE2
OE4
10' PUBLIC UTILITY EASEMENT
(VOL. 4, PG. 59, M.P.R.C.C.T.)
20' UTILITY EASEMENT
EXIST ROW
PROP ROW
21'
DW 21A
℄ STONEGATE DRIVE
STONEGATE DRIVE
EXIST ROW
11+00
12+00
2 - 6'X3' MBC
3 - 4'X3' MBC
3 - 8'X4' MBC
15' UTILITY EASEMENT
(DOC. NO. 202006010112, O.P.R.C.C.T.)
WALTER & JACKIE SPARKMAN
(DOC. NO. 201406042015, O.P.R.C.C.T.)
9.05 ACRES
1094 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
MEYERS LANDING HOA INC
(DOC. NO. 202006018345, O.P.R.C.C.T.)
(DOC. NO. 201999001683, O.P.R.C.C.T.)
LOT 901
BLOCK 1
MEYERS LANDING PHASE 1
(DOC. NO. 202006010112, O.P.R.C.C.T.)
(DOC. NO. 201999001683, O.P.R.C.C.T.)
1094 BARBAROSA ROAD
NEW BRAUNFELS, TX 78130
VARIABLE WIDTH DRAINAGE EASEMENT
(DOC. NO. 202006010112, O.P.R.C.C.T.)
℄ CLARA PARK
CLARA PARK
EXIST ROW
10+00
LOT 901
BLOCK 8
LOT 902
BLOCK 8
MEYER'S LANDING PHASE 1
2243 COUNTY ROAD 137
NEW BRAUNFELS, TX 78130
15' UTILITY EASEMENT
(DOC. NO. 202006010112, O.P.R.C.C.T.)


AD
VPI 140+50.00
EL 658.46
-0.500%
VPT 141+17.50
EL 658.13
-0.17'
135
135.00'
TV
WATER
WASTE WATER
EXISTING
2 - 8' X 3'
STONEGATE DRIVE
TELEPHONE
TELEPHONE
PROP GROUND
-0.500%
ROW RT
ROW LT
ex 0.17'
K 135
L 135.00'
VPC 150+82.50
EL 653.30
VPI 151+50.00
EL 652.96
-0.500%
+0.500%
VPT 152+17.50
EL 653.30
+0.500%
CLARA PARK
VPC 153+82.50
EL 654.13
+0.500%
VPI 154+50.00
EL 654.46
-0.500%
VPT 155+17.50
EL 654.13
ELECTRIC
WATER
ex -0.17'
K 135
L 135.00'
3 - 8'x4' MBC
WASTE WATE
658.29
657.52
658.20
657.37
657.96
657.17
657.71
657.04
657.46
656.87
657.21
656.56
656.96
655.97
656.71
655.99
656.46
655.74
656.21
655.62
655.96
655.51
655.71
655.14
655.46
654.93
655.21
654.82
654.96
654.75
654.71
654.72
654.46
654.64
654.21
654.58
653.96
654.43
653.71
654.17
653.46
653.96
653.22
653.83
653.13
653.62
653.22
653.46
653.46
653.29
653.71
653.14
653.96
652.98
654.20
652.96
654.29
652.92
654.20
652.36
653.96
650.86
653.71
651.70
653.46
652.49
141+00
142+00
143+00
144+00
145+00
146+00
147+00
148+00
149+00
150+00
151+00
152+00
153+00
154+00
155+00
156+00


CURVE 6
PI 158+00.00
Δ 04°00'00.0" (LT)
D 05°30'33.1"
T 36.32'
L 72.61'
R 1040.00'
PC 157+63.68
PT 158+36.29
CURVE 7
PI 162+44.36
Δ 04°04'08.7" (RT)
D 05°30'33.1"
T 36.95'
L 73.86'
R 1040.00'
PC 162+07.42
PT 162+81.27
MSSC INVESTMENTS LP
(VOL. 2502, PG. 699, O.P.R.G.C.T.)
ABS: 20 SUR: A M ESNAURIZAR 29.9330 AC.
WESTERMEYER ROAD
NEW BRAUNFELS, TX 78130
WESTMEYER ROAD
EXIST ROW
PROP 36" INTERCEPTOR LINE
NBU
PROPOSED 20' DITCH
3:1 SIDE SLOPE
MIN 3' DEPTH
PROP ROW
340' STORAGE
300' STORAGE
160.5' ROW
66' ROW
18"W1 (D)
12"W1 (D)
WW1 (D)
OE1
OE3
FOC2
S48°33'35.1"E
2%
CURVE 6
CURVE 7
157+00
158+00
159+00
160+00
161+00
162+00
163+00
164+00
165+00
166+00
167+00
168+00
225' STORAGE
22'
DW 20
PEGGY K & DAVID C MECKEL
(VOL. 645, PG. 628, O.P.R.G.C.T.)
20.011 ACRES
SAUR LANE
NEW BRAUNFELS, TX 78130
MATCHLINE STA 169+00.00
680
675
670
665
660
655
650
645
640
635
630
WESTMEYER ROAD
TELEPHONE
WATER
WATER
-0.500%
GAS
FOC
WATER
PROP 24" RCP
PROP 24" RCP
MATCHLINE STA 169+00.00
653.21 652.73
652.96 652.38
652.71 652.05
652.46 652.07
652.21 652.10
651.96 651.84
651.71 651.72
651.46 651.68
651.21 651.36
650.96 651.20
650.71
650.46 651.15
650.21 650.68
649.96 650.53
649.71 650.65
649.46 650.69
649.21 650.58
648.96 650.22
648.71 649.77
648.46 649.58
648.21 649.51
647.96 649.31
647.71 649.17
647.46 649.12
157+00
158+00
159+00
160+00
161+00
162+00
163+00
164+00
165+00
166+00
167+00
168+00

25 12.5 0 25 50
HORIZONTAL SCALE FEET

2.5 1.25 0 2.5 5
VERTICAL SCALE FEET

LEGEND

DIRECTION OF TRAFFIC FLOW	←
EXIST ROW	-·-·-
PROP ROW	-·-·-
PROP ROADWAY	🟦
PROP SHARED USE PATH	🟥
PROP DRIVEWAY	🟪
PROP SIDEWALK	🟥
PROP MEDIAN	🟨
PROP DITCH	🟩
PROP WIDENING	▨
PROP MILL & OVERLAY	▨

LEVEL "B"	LEVEL "C" & "D"	DESCRIPTION
T#	T#(D)	TELEPHONE
FOC#	FOC#(D)	FIBER OPTIC
CTV1	CTV1(D)	CABLE TV
W1	W1(D)	WATER
WW1	WW1(D)	WASTEWATER
G#	G#(D)	GAS
OHE#	OHE#(D)	OVERHEAD ELECTRIC
E1	E1(D)	UNDERGROUND ELECTRIC
TS1	TS1(D)	TRAFFIC SIGNAL

- □ TELEPHONE PEDESTAL
- ▭ FIBER OPTIC HAND HOLE
- ◈ FIRE HYDRANT
- □ WATER METER
- ⋈ WATER VALVE
- ○ WASTEWATER MANHOLE
- ⋈ GAS VALVE
- -o- POWER PLE
- ▭ ELECTRIC BOX
- ☼ LIGHT POLE
- ⊙ PEDESTRIAN SIGNAL POLE
- —o TRAFFIC SIGNAL

COMAL AND GUADALUPE COUNTY
SCHEMATIC
BARBAROSA ROAD

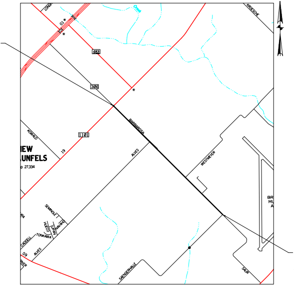
LIMITS: FROM FM 1101 TO SAENGERHALLE ROAD
C.S.J.: 0195-00-242
LENGTH: 1.600 MI

City of New Braunfels

DESIGN SPEED: = 45 MPH MAINLANES, e-max = 6%
= 20 MPH CROSS STREET
TOTAL ROADWAY LENGTH = 8,448.00 FT. = 1.600 MI.
TOTAL BRIDGE LENGTH = 0.00 FT. = 0.000 MI.
TOTAL PROJECT LENGTH = 8,448.00 FT. = 1.600 MI.
CURRENT ADT: 7,000 (2030)
PROJECTED ADT: 11,200 (2050)
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR, LEVEL, LOW SPEED URBAN
PROPOSED DESIGN STANDARDS (STRUCTURES): TXDOT BRIDGE DESIGN MANUAL LRFD, TXDOT BRIDGE DETAILING GUIDE
PROPOSED DESIGN STANDARDS (ROADWAY): AASHTO (2004), AASHTO (2011) AND TxDOT ROADWAY DESIGN MANUAL (2022)
PROPOSED DESIGN STANDARDS (TRAFFIC): TMUTCD (2014, REV. 2) & APPLICABLE STANDARDS

GUADALUPE & COMAL COUNTY

BEGIN PROJECT
CSJ: 0915-00-242
STA 101+09.52



483
306
1101
BARBAROSA
KROESCHE
ALVES
WESTMEYER
SEMINOLE
TONKAWA
SAENGERHALLE
SAUR
NEW BRAUNFELS
27334
Creek

END PROJECT
CSJ: 0915-00-242
STA 191+40.00

LOCATION MAP (N.T.S.)

APPROVED: DESIGN DIVISION LETTER DATED

APPROVED: FHWA LETTER DATED

SUBMITTED BY:
JAIME AGUILAR, P.E. 87606

APPROVED:

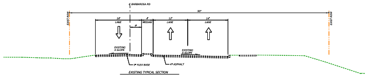
DISTRICT ENGINEER

"NOT A BIDDING DOCUMENT"

PREPARED BY:

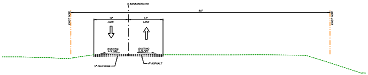
stv
TEXAS REGISTERED ENGINEERING FIRM F-204
12500 SAN PEDRO AVENUE, SUITE 450
SAN ANTONIO, TEXAS 78216
TEL (210) 494-8004
FAX (210) 494-8286

PRELIMINARY
60% SUBMITTAL
FOR INTERIM REVIEW ONLY
NOT FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.
stv
ENGINEER JAIME AGUILAR
P.E. No. 87606 DATE



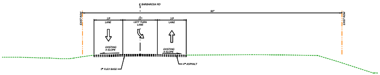
℄ BARBAROSA RD
EXIST ROW
90'
10' LANE
4' MEDIAN
12' LANE
14' LANE
EXISTING X-SLOPE
5" FLEX BASE
4" ASPHALT

EXISTING TYPICAL SECTION
BEGIN PROJECT TO 114+00.00



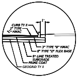
℄ BARBAROSA RD
EXIST ROW
60'
12' LANE
12' LANE
EXISTING X-SLOPE
5" FLEX BASE
4" ASPHALT

EXISTING TYPICAL SECTION
STA 114+00.00 TO STA 138+00.00
STA 143+00.00 TO END OF PROJECT



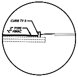
℄ BARBAROSA RD
EXIST ROW
60'
10' LANE
12' LEFT TURN LANE
10' LANE
EXISTING X-SLOPE
5" FLEX BASE
4" ASPHALT

EXISTING TYPICAL SECTION
STA 138+00.00 TO STA 143+00.00



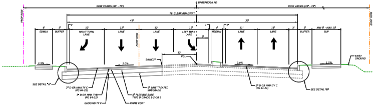
1'
CURB TY II
2" TYPE "C" HMAC
3" TYPE "B" HMAC
8" TYPE "D" FLEX BASE
8" LIME TREATED SUBGRADE
PRIME COAT
GEOGRID TY II

DETAIL "A"



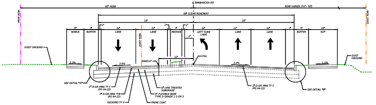
CURB TY II
2" TYPE "C" HMAC

DETAIL "B"



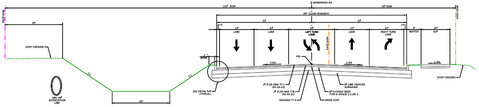
℄ BARBAROSA RD
PROP ROW
EXIST ROW
ROW VARIES (66' - 70')
ROW VARIES (70' - 73')
76' CLEAR ROADWAY
41'
35'
6' SDWLK
5' BUFFER
12' RIGHT TURN LANE
12' LANE
12' LANE
12' LEFT TURN LANE
4' MEDIAN
11' LANE
11' LANE
2'
5' BUFFER
MIN 8' - MAX 10' SUP
6'
12'
SAWCUT
PGL
1.5%
2.0%
EXIST GROUND
SEE DETAIL "A"
SEE DETAIL "B"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
PRIME COAT
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
6" LIME TREATED SUBGRADE

PROPOSED TYPICAL SECTION
BEGIN PROJECT TO STA 106+00.00



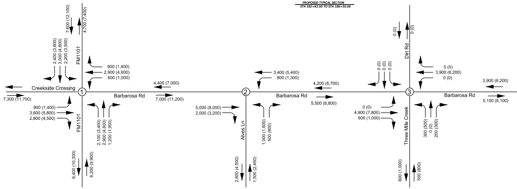
℄ BARBAROSA RD
PROP ROW
EXIST ROW
60' ROW
ROW VARIES (74' - 78')
68' CLEAR ROADWAY
33'
35'
6' SDWLK
5' BUFFER
12' LANE
11' LANE
4' MEDIAN
12' LEFT TURN LANE
11' LANE
12' LANE
3'
5' BUFFER
10' SUP
12'
SAWCUT
PGL
1.5%
2.0%
EXIST GROUND
SEE DETAIL "A"
SEE DETAIL "B"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
PRIME COAT
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
6" LIME TREATED SUBGRADE

PROPOSED TYPICAL SECTION
STA 106+00.00 TO STA 110+00.00

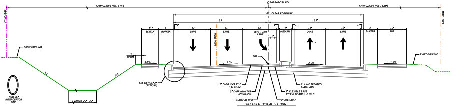


℄ BARBAROSA RD
PROP ROW
EXIST ROW
110' ROW
50' ROW
66' CLEAR ROADWAY
22'
22'
20'
12' LANE
12' LANE
16' LEFT TURN LANE
12' LANE
12' RIGHT TURN LANE
5' BUFFER
10' SUP
2' BERM
PGL
2.0%
1.5%
3:1
3:1
20'
EXIST GROUND
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY V
PRIME COAT
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
6" LIME TREATED SUBGRADE

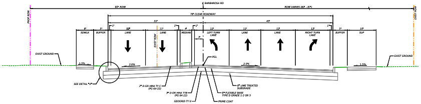
PROPOSED TYPICAL SECTION
STA 182+63.00 TO STA 186+50.00



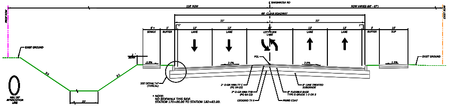
FM1101
7,600 (12,100)
4,700 (7,400)
2,400 (3,800)
3,000 (4,800)
2,200 (3,500)
900 (1,400)
2,900 (4,600)
600 (1,000)
Creekside Crossing
7,300 (11,700)
900 (1,400)
3,600 (5,800)
2,800 (4,500)
2,100 (3,400)
2,900 (4,600)
1,200 (1,900)
6,400 (10,300)
6,200 (9,900)
1
Barbarosa Rd
4,400 (7,000)
7,000 (11,200)
3,400 (5,400)
800 (1,300)
2
5,000 (8,000)
2,000 (3,200)
Alves Ln
1,000 (1,600)
500 (800)
2,800 (4,500)
1,500 (2,450)
Barbarosa Rd
4,200 (6,700)
5,500 (8,800)
Dirt Rd
0 (0)
0 (0)
0 (0)
0 (0)
0 (0)
0 (0)
3,900 (6,200)
0 (0)
3
0 (0)
4,900 (7,800)
600 (1,000)
Three Mile Creek
300 (500)
0 (0)
200 (300)
600 (1,000)
500 (800)
Barbarosa Rd
3,900 (6,200)
5,100 (8,100)


℄ BARBAROSA RD
ROW VARIES (50'- 110')
ROW VARIES (60' - 141')
66' CLEAR ROADWAY
PROP ROW
EXIST ROW
EXIST GROUND
SIDEWALK
BUFFER
LANE
LEFT TURN LANE
MEDIAN
SUP
EXIST ROW
PGL
2.0%
1.5%
3:1
BERM
VARIES 20' - 30'
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 110+00.00 TO STA 114+00.00
STA 119+00.00 TO STA 124+00.00
STA 129+36.00 TO STA 134+25.00
STA 157+25.00 TO STA 166+00.00 *

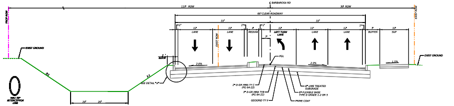

℄ BARBAROSA RD
80' ROW
ROW VARIES (60' - 87')
78' CLEAR ROADWAY
33'
49'
PROP ROW
EXIST ROW
EXIST GROUND
SIDEWALK
BUFFER
LANE
MEDIAN
LEFT TURN LANE
RIGHT TURN LANE
SUP
PGL
2.0%
1.5%
SEE DETAIL "A"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 114+00.00 TO STA 119+00.00
STA 124+00.00 TO STA 129+36.00

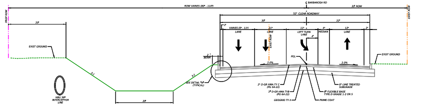

℄ BARBAROSA RD
110' ROW
ROW VARIES (60' - 87')
69' CLEAR ROADWAY
33'
PROP ROW
EXIST ROW
EXIST GROUND
SIDEWALK
BUFFER
LANE
LEFT TURN LANE
SUP
PGL
BERM
2.0%
1.5%
3:1
20'
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

* NOTE:
NO SIDEWALK THIS SIDE.
STATION 170+00.00 TO STATION 182+63.00.

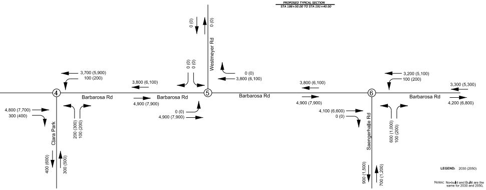
PROPOSED TYPICAL SECTION
STA 134+25.00 TO STA 157+25.00
STA 170+00.00 TO STA 182+63.00 *


℄ BARBAROSA RD
110' ROW
50' ROW
66' CLEAR ROADWAY
33'
PROP ROW
EXIST ROW
EXIST GROUND
LANE
MEDIAN
LEFT TURN LANE
BUFFER
SUP
PGL
BERM
2.0%
1.5%
3:1
20'
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A"
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

PROPOSED TYPICAL SECTION
STA 166+00.00 TO STA 170+00.00

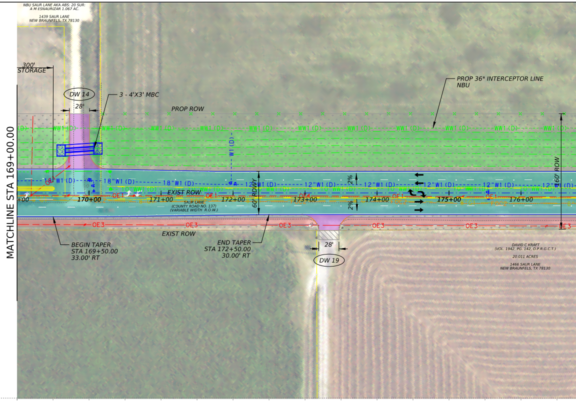

℄ BARBAROSA RD
ROW VARIES (80' - 110')
10' ROW
52' CLEAR ROADWAY
20'
22'
VARIES (0' - 11')
PROP ROW
EXIST ROW
EXIST GROUND
LANE
LEFT TURN LANE
MEDIAN
PGL
BERM
2.0%
3:1
20'
NBU 36" INTERCEPTOR LINE
SEE DETAIL "A" (TYPICAL)
2" D-GR HMA TY C (PG 64-22)
3" D-GR HMA TYB (PG 64-22)
GEOGRID TY II
8" LIME TREATED SUBGRADE
8" FLEXIBLE BASE TYPE D GRADE 1-2 OR 5
PRIME COAT

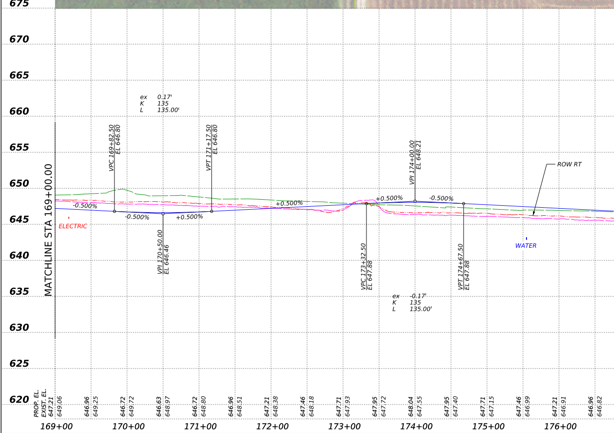
PROPOSED TYPICAL SECTION
STA 186+50.00 TO STA 191+40.00

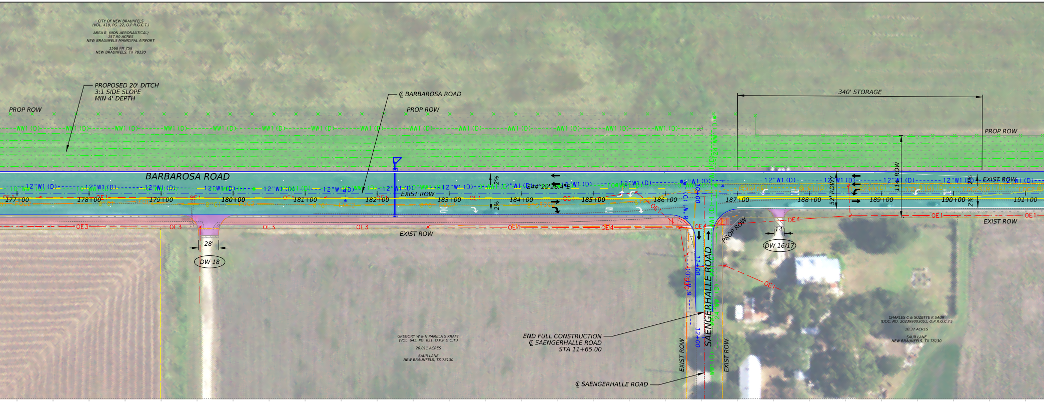

3,700 (5,900)
100 (200)
4,800 (7,700)
300 (400)
④
Barbarosa Rd
Clara Park
200 (300)
100 (200)
400 (600)
300 (500)
3,800 (6,100)
4,900 (7,900)
0 (0)
4,900 (7,900)
0 (0)
0 (0)
0 (0)
0 (0)
Westmeyer Rd
0 (0)
3,800 (6,100)
⑤
Barbarosa Rd
3,800 (6,100)
4,900 (7,900)
4,100 (6,600)
0 (0)
3,200 (5,100)
100 (200)
⑥
Saengerhalle Rd
600 (1,000)
100 (200)
900 (1,500)
700 (1,200)
Barbarosa Rd
3,300 (5,300)
4,200 (6,800)

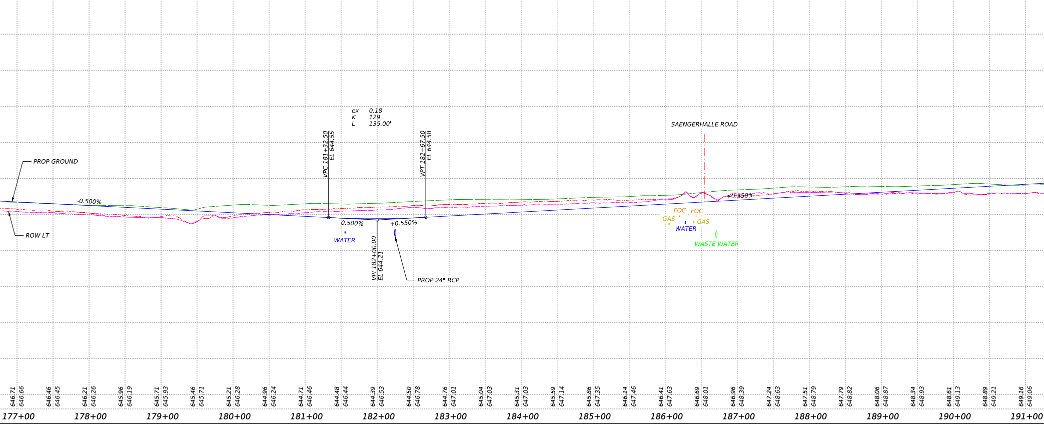
LEGEND: 2030 (2050)

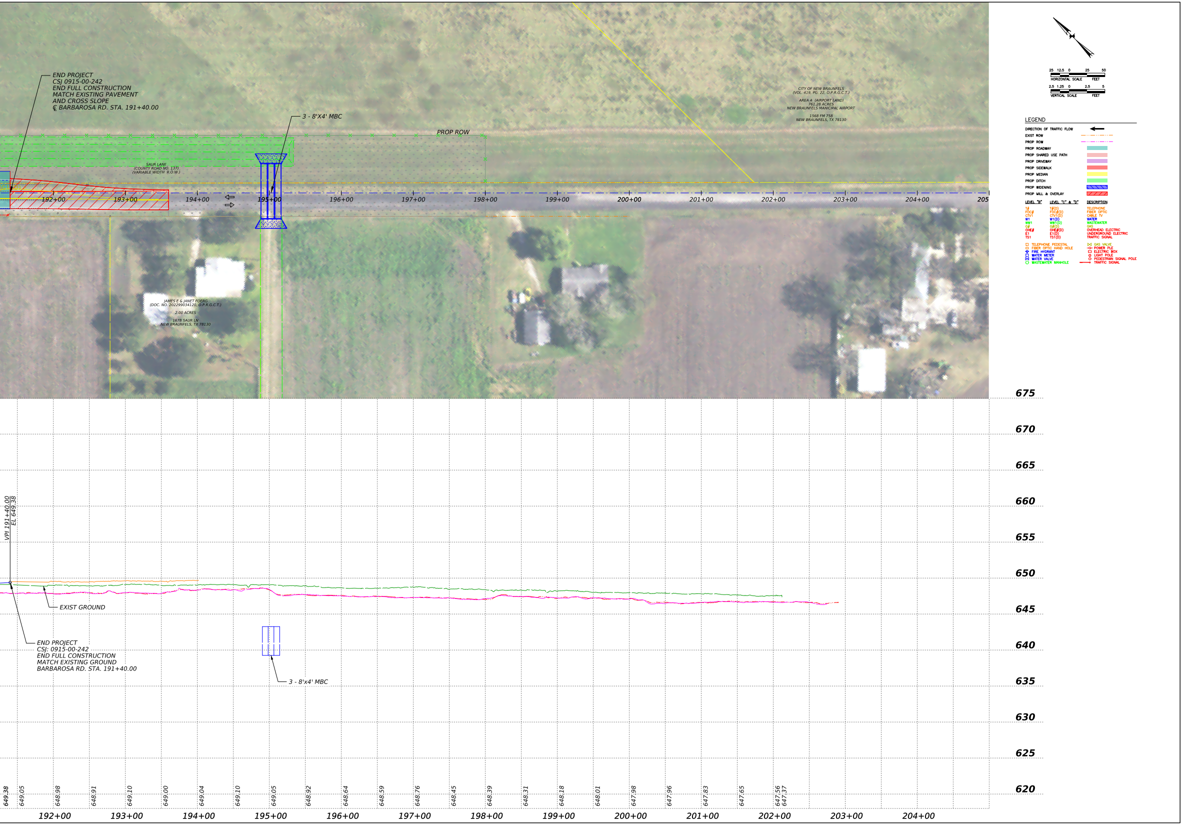
Notes: No-build and Build are the same for 2030 and 2050.


MATCHLINE STA 169+00.00
NBU SAUR LANE AKA ABS: 20 SUR: A M ESNAURIZAR 1.067 AC.
1439 SAUR LANE NEW BRAUNFELS, TX 78130
300' STORAGE
DW 14
28'
3 - 4'X3' MBC
PROP ROW
PROP 36" INTERCEPTOR LINE NBU
W1 (D)
18"W1 (D)
12"W1 (D)
EXIST ROW
SAUR LANE (COUNTY ROAD NO. 137) (VARIABLE WIDTH R.O.W.)
60' ROW
160' ROW
2%
OE1
OE3
170+00
171+00
172+00
173+00
174+00
175+00
176+00
EXIST ROW
BEGIN TAPER STA 169+50.00 33.00' RT
END TAPER STA 172+50.00 30.00' RT
28'
DW 19
DAVID C KRAFT (VOL. 1942, PG. 142, O.P.R.G.C.T.)
20.011 ACRES
1466 SAUR LANE NEW BRAUNFELS, TX 78130




CITY OF NEW BRAUNFELS
(VOL. 419, PG. 22, O.P.R.G.C.T.)
AREA B (NON-AERONAUTICAL)
157.90 ACRES
NEW BRAUNFELS MANICIPAL AIRPORT
1568 FM 758
NEW BRAUNFELS, TX 78130
PROPOSED 20' DITCH
3:1 SIDE SLOPE
MIN 4' DEPTH
℄ BARBAROSA ROAD
PROP ROW
PROP ROW
340' STORAGE
PROP ROW
BARBAROSA ROAD
12"W1 (D)
WW1 (D)
S44°29'26.4"E
EXIST ROW
EXIST ROW
EXIST ROW
52' RDWY
114' ROW
2%
2%
2%
2%
OE1
OE3
OE4
OE5
177+00
178+00
179+00
180+00
181+00
182+00
183+00
184+00
185+00
186+00
187+00
188+00
189+00
190+00
191+00
28'
DW 18
14'
DW 16/17
PROP ROW
8"W1 (D)
10+00
11+00
12+00
SAENGERHALLE ROAD
EXIST ROW
EXIST ROW
GREGORY W & N PAMELA S KRAFT
(VOL. 645, PG. 631, O.P.R.G.C.T.)
20.011 ACRES
SAUR LANE
NEW BRAUNFELS, TX 78130
END FULL CONSTRUCTION
℄ SAENGERHALLE ROAD
STA 11+65.00
℄ SAENGERHALLE ROAD
CHARLES C & SUZETTE K SAUR
(DOC. NO. 202399003051, O.P.R.G.C.T.)
10.37 ACRES
SAUR LANE
NEW BRAUNFELS, TX 78130


ex 0.18'
K 129
L 135.00'
VPC 181+32.50
EL 644.55
VPT 182+67.50
EL 644.58
SAENGERHALLE ROAD
PROP GROUND
-0.500%
-0.500%
+0.550%
+0.550%
ROW LT
WATER
VPI 182+00.00
EL 644.21
PROP 24" RCP
FOC
FOC
GAS
GAS
WATER
WASTE WATER
646.71 646.66
646.46 646.45
646.21 646.26
645.96 646.19
645.71 645.93
645.46 645.71
645.21 646.28
644.96 646.24
644.71 646.46
644.48 646.44
644.39 646.53
644.50 646.78
644.76 647.01
645.04 647.03
645.31 647.03
645.59 647.14
645.86 647.35
646.14 647.46
646.41 647.63
646.69 648.01
646.96 648.39
647.24 648.63
647.51 648.79
647.79 648.82
648.06 648.87
648.34 648.93
648.61 649.13
648.89 649.21
649.16 649.06
177+00
178+00
179+00
180+00
181+00
182+00
183+00
184+00
185+00
186+00
187+00
188+00
189+00
190+00
191+00


END PROJECT
CSJ 0915-00-242
END FULL CONSTRUCTION
MATCH EXISTING PAVEMENT
AND CROSS SLOPE
℄ BARBAROSA RD. STA. 191+40.00
3 - 8'X4' MBC
PROP ROW
SAUR LANE
(COUNTY ROAD NO. 137)
(VARIABLE WIDTH R.O.W.)
CITY OF NEW BRAUNFELS
(VOL. 419, PG. 22, O.P.R.G.C.T.)
AREA A (AIRPORT LAND)
761.28 ACRES
NEW BRAUNFELS MANICIPAL AIRPORT
1568 FM 758
NEW BRAUNFELS, TX 78130
JAMES E & JANET FOERG
(DOC. NO. 202299034120, O.P.R.G.C.T.)
2.00 ACRES
1678 SAUR LN
NEW BRAUNFELS, TX 78130
192+00
193+00
194+00
195+00
196+00
197+00
198+00
199+00
200+00
201+00
202+00
203+00
204+00
205
25 12.5 0 25 50
HORIZONTAL SCALE FEET
2.5 1.25 0 2.5 5
VERTICAL SCALE FEET
VPI 191+40.00
EL 649.38
EXIST GROUND
END PROJECT
CSJ: 0915-00-242
END FULL CONSTRUCTION
MATCH EXISTING GROUND
BARBAROSA RD. STA. 191+40.00
3 - 8'x4' MBC
675
670
665
660
655
650
645
640
635
630
625
620
649.38
649.05
648.98
648.91
649.10
649.00
649.04
649.10
649.05
648.92
648.64
648.59
648.76
648.45
648.39
648.31
648.18
648.01
647.98
647.96
647.83
647.65
647.56
647.37
192+00
193+00
194+00
195+00
196+00
197+00
198+00
199+00
200+00
201+00
202+00
203+00
204+00

LEGEND

DIRECTION OF TRAFFIC FLOW	←
EXIST ROW	—·—·—
PROP ROW	—·—·—
PROP ROADWAY	🟦
PROP SHARED USE PATH	🟥
PROP DRIVEWAY	🟪
PROP SIDEWALK	🟥
PROP MEDIAN	🟨
PROP DITCH	🟩
PROP WIDENING	▨
PROP MILL & OVERLAY	▨

LEVEL "B"	LEVEL "C" & "D"	DESCRIPTION
T#	T#(D)	TELEPHONE
FOC#	FOC#(D)	FIBER OPTIC
CTV1	CTV1(D)	CABLE TV
W1	W1(D)	WATER
WW1	WW1(D)	WASTEWATER
G#	G#(D)	GAS
OHE#	OHE#(D)	OVERHEAD ELECTRIC
E1	E1(D)	UNDERGROUND ELECTRIC
TS1	TS1(D)	TRAFFIC SIGNAL

- □ TELEPHONE PEDESTAL
- ▭ FIBER OPTIC HAND HOLE
- ◈ FIRE HYDRANT
- □ WATER METER
- ⋈ WATER VALVE
- ○ WASTEWATER MANHOLE
- ⋈ GAS VALVE
- -○- POWER PLE
- ▭ ELECTRIC BOX
- ☼ LIGHT POLE
- ⊙ PEDESTRIAN SIGNAL POLE
- —○ TRAFFIC SIGNAL