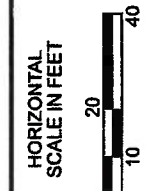
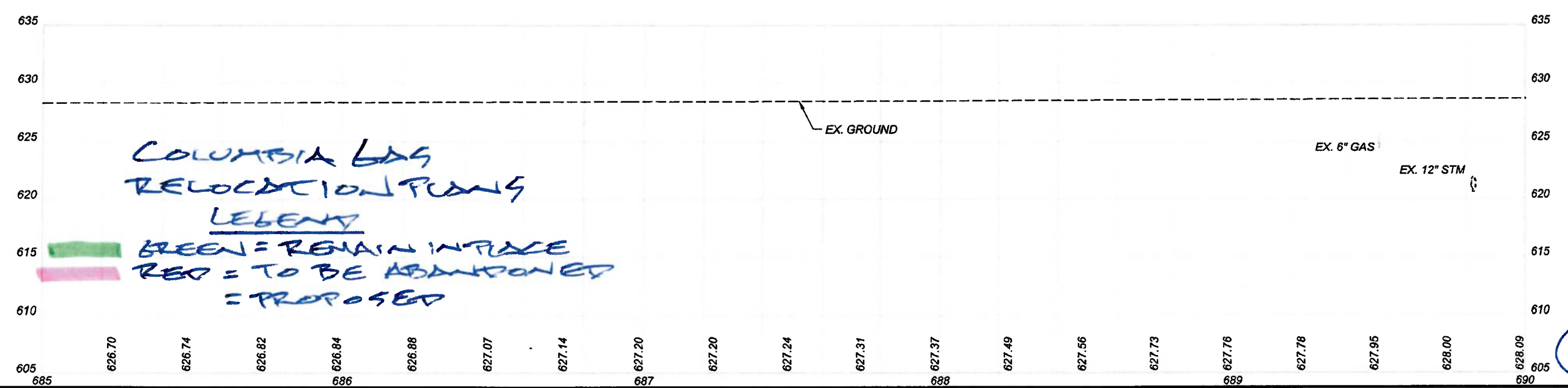


CURVE DATA
 P.I. = STA. 688+45.21
 $\Delta = 04^{\circ}45'13''$ RT
 $D_c = 00^{\circ}56'00''$
 $R = 6,138.83'$
 $T = 254.8'$
 $L = 509.31'$
 $E = 5.29'$

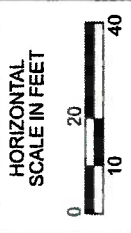


PLAN AND PROFILE - S.R. 159
 BEGIN WORK TO STA. 690+00.00

DESIGN AGENCY
B&N
 burgessniple.com

DESIGNER
 DSS
 REVIEWER
 BDT 11/22/23
 PROJECT ID
 113013
 SHEET TOTAL
 152 578

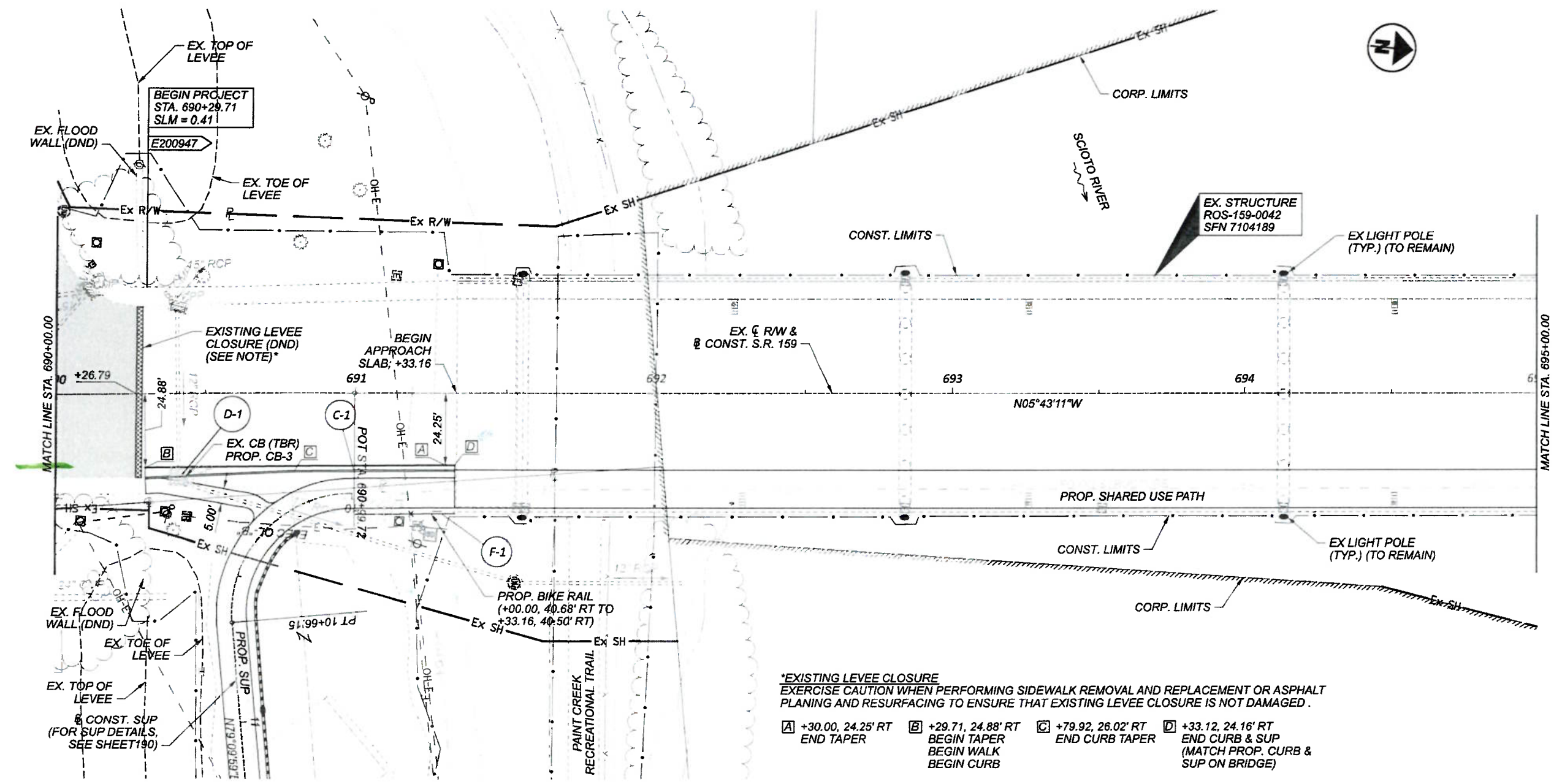
1 OF 24



PLAN AND PROFILE - S.R. 159
STA. 690+00.00 TO STA. 695+00.00

ROS-159-0.41

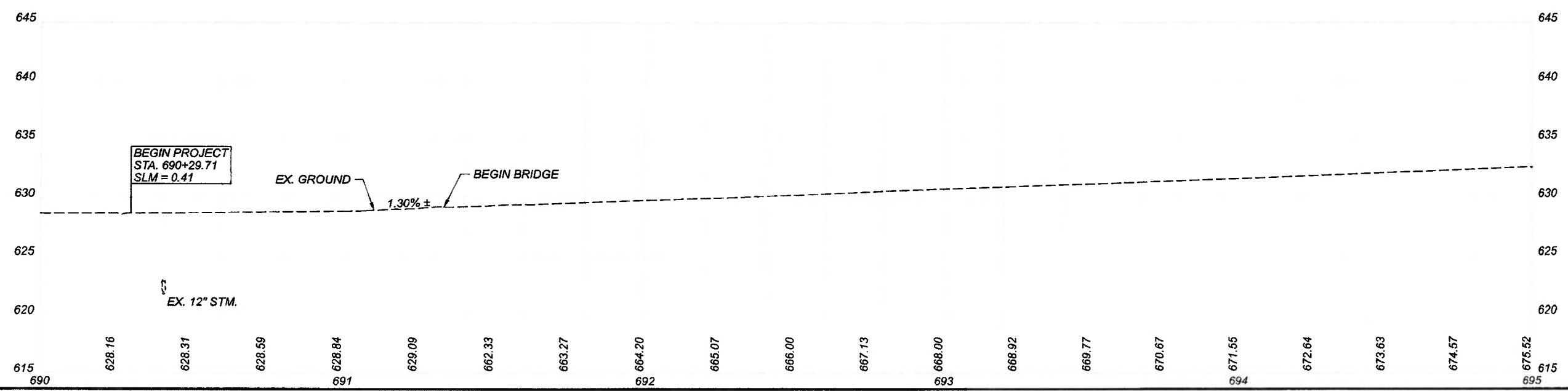
MODEL: CLX_SRS159 - Plan 2 PAPER SIZE: IT (in.) DATE: 2/16/2024 TIME: 9:19:29 AM USER: sorokc
 PW: \\nwp-dentilly.com\bin-pw-0\Documents\br-59055\400-Engineering\Roadway\Sheets\13013_0P002.dgn



***EXISTING LEVEE CLOSURE**
 EXERCISE CAUTION WHEN PERFORMING SIDEWALK REMOVAL AND REPLACEMENT OR ASPHALT PLANING AND RESURFACING TO ENSURE THAT EXISTING LEVEE CLOSURE IS NOT DAMAGED.

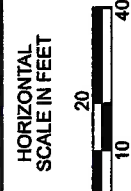
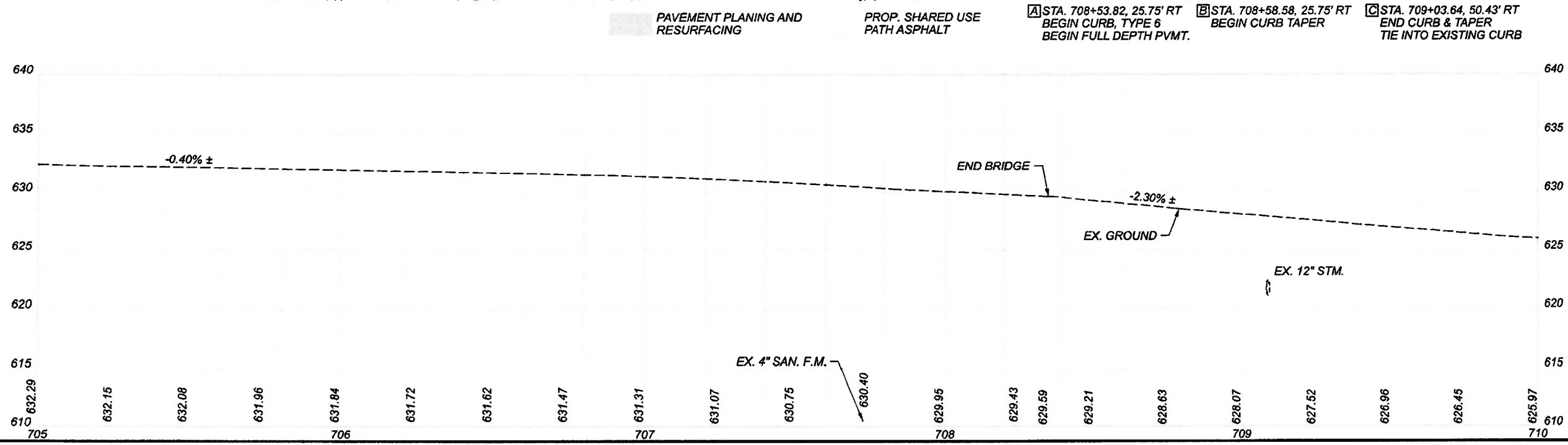
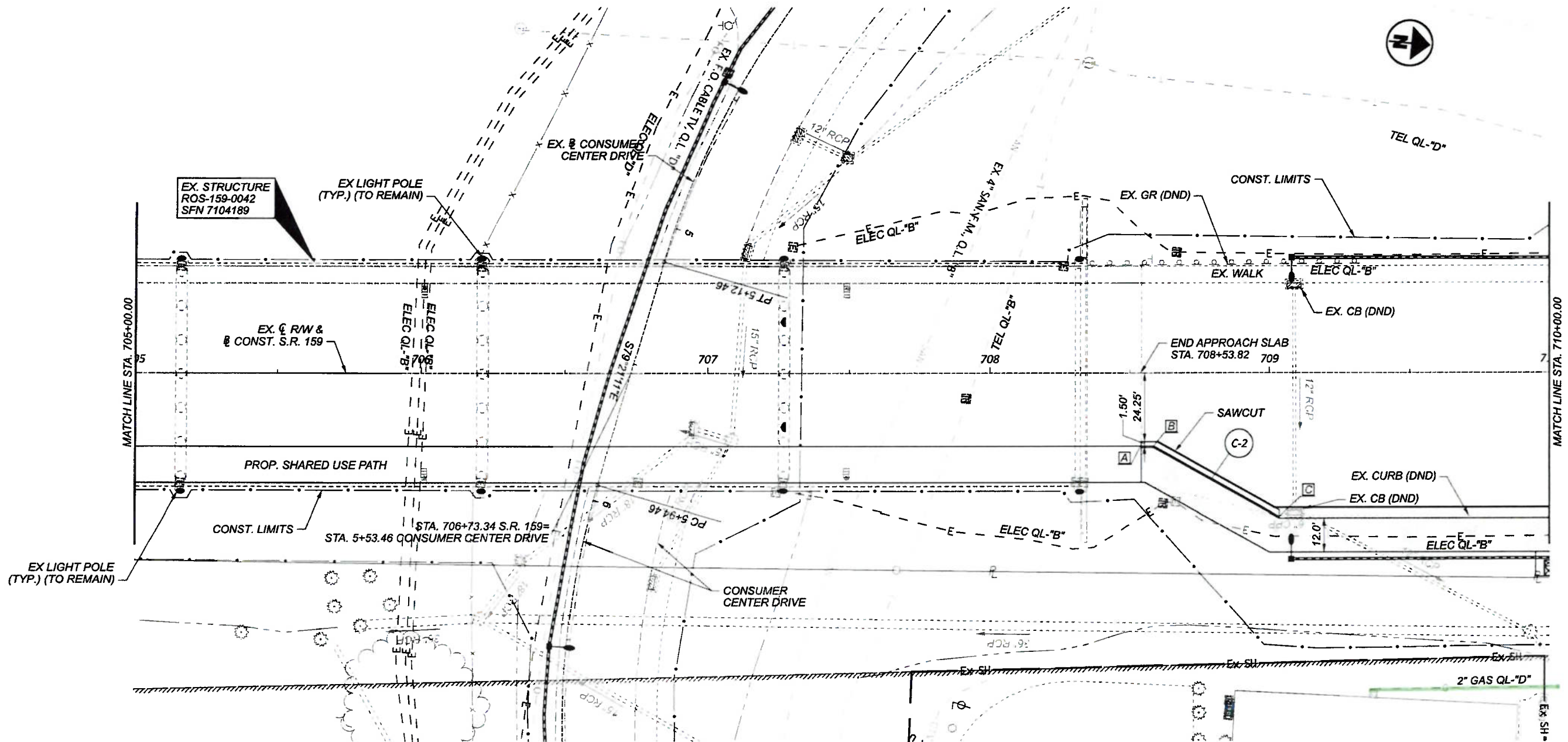
- A +30.00, 24.25' RT END TAPER
- B +29.71, 24.88' RT BEGIN TAPER BEGIN WALK BEGIN CURB
- C +79.92, 26.02' RT END CURB TAPER
- D +33.12, 24.16' RT END CURB & SUP (MATCH PROP. CURB & SUP ON BRIDGE)

PROP. SHARED USE PATH ASPHALT PAVEMENT PLANING AND RESURFACING 4" CONCRETE WALK



ZOFZ

DESIGN AGENCY	
B&N burgessnipha.com	
DESIGNER	DSS
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET	TOTAL
153	578



**PLAN AND PROFILE - S.R. 159
STA. 705+00.00 TO STA. 710+00.00**

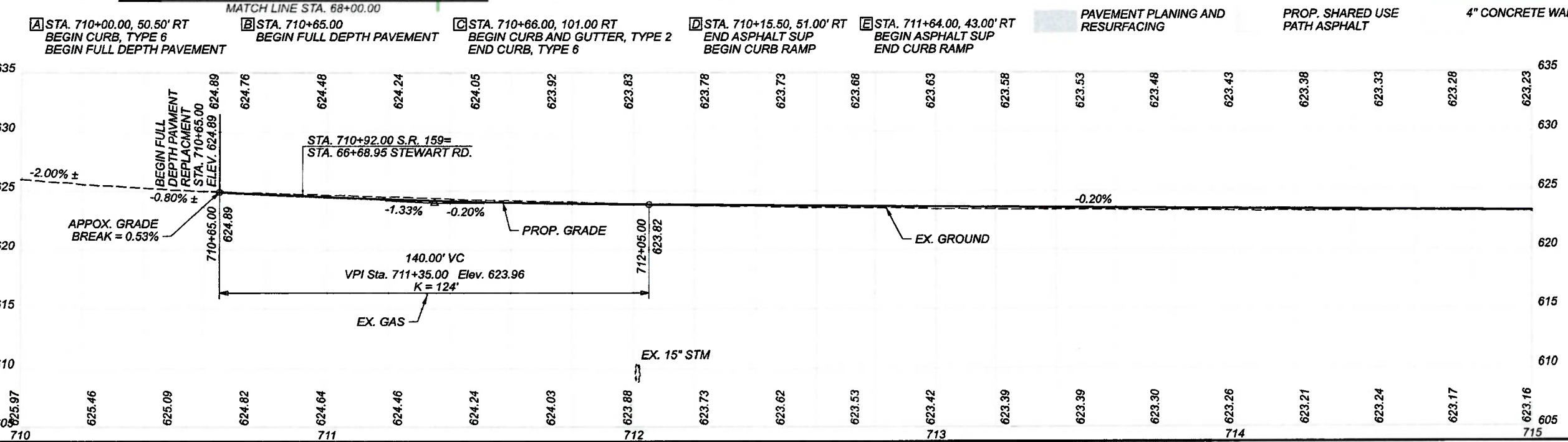
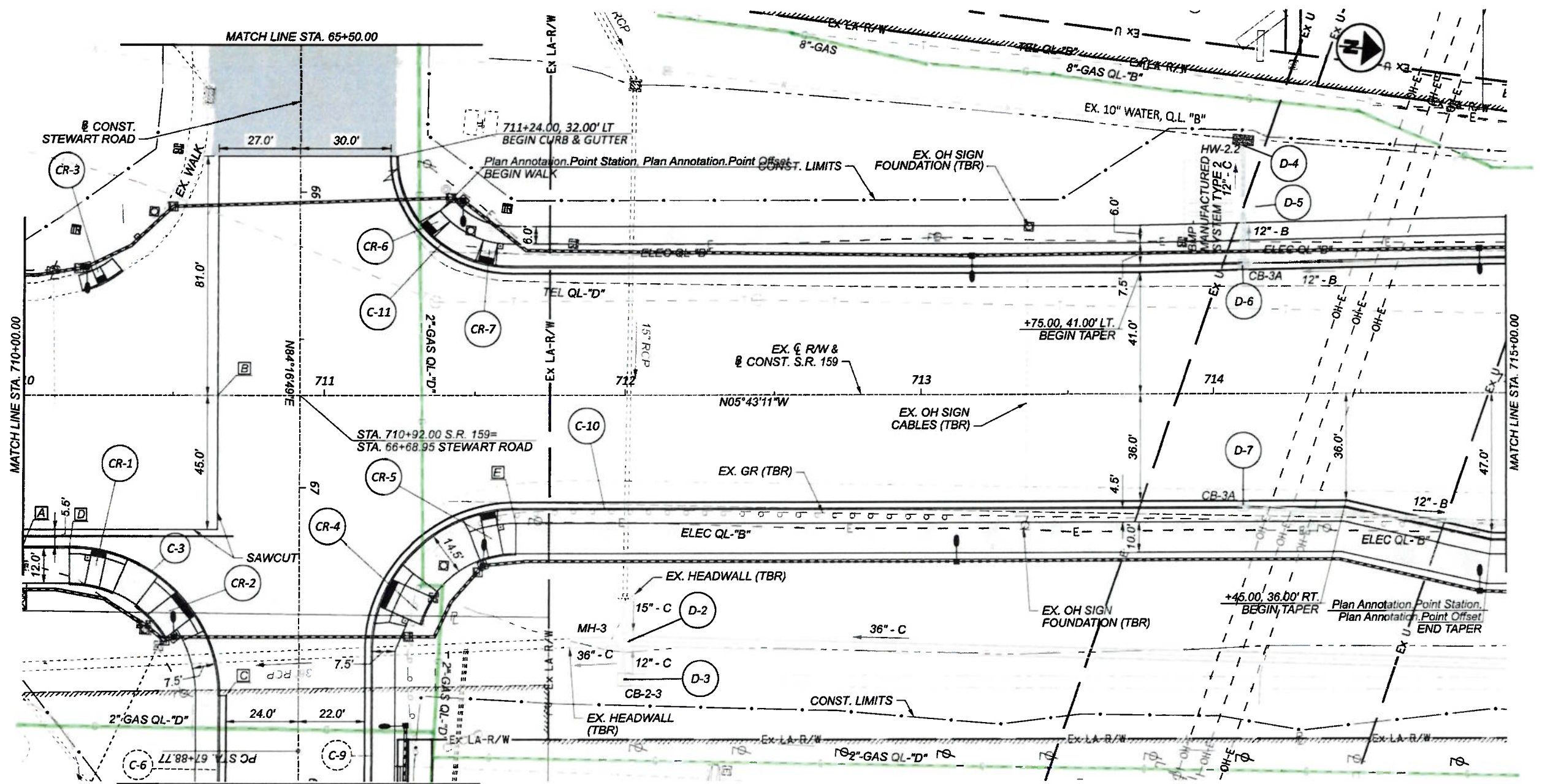


DESIGNER	DSS
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET	156
TOTAL	578

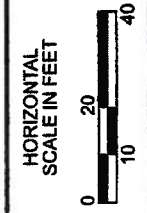
30F21

ROS-159-0.41

MODEL: CLX.SR159 - Plan 6 PAPER SIZE: 17x11 (in.) DATE: 2/20/2024 TIME: 4:07:45 PM USER: kuhimon
p:\nbn-pw-bentley.com\br-p\0\Documents\ros-159-000-Engineering\Roadway\Sheets\1503_CP006



- A STA. 710+00.00, 50.50' RT
BEGIN CURB, TYPE 6
BEGIN FULL DEPTH PAVEMENT
- B STA. 710+65.00
BEGIN FULL DEPTH PAVEMENT
- C STA. 710+66.00, 101.00 RT
BEGIN CURB AND GUTTER, TYPE 2
END CURB, TYPE 6
- D STA. 710+15.50, 51.00' RT
END ASPHALT SUP
BEGIN CURB RAMP
- E STA. 711+64.00, 43.00' RT
BEGIN ASPHALT SUP
END CURB RAMP

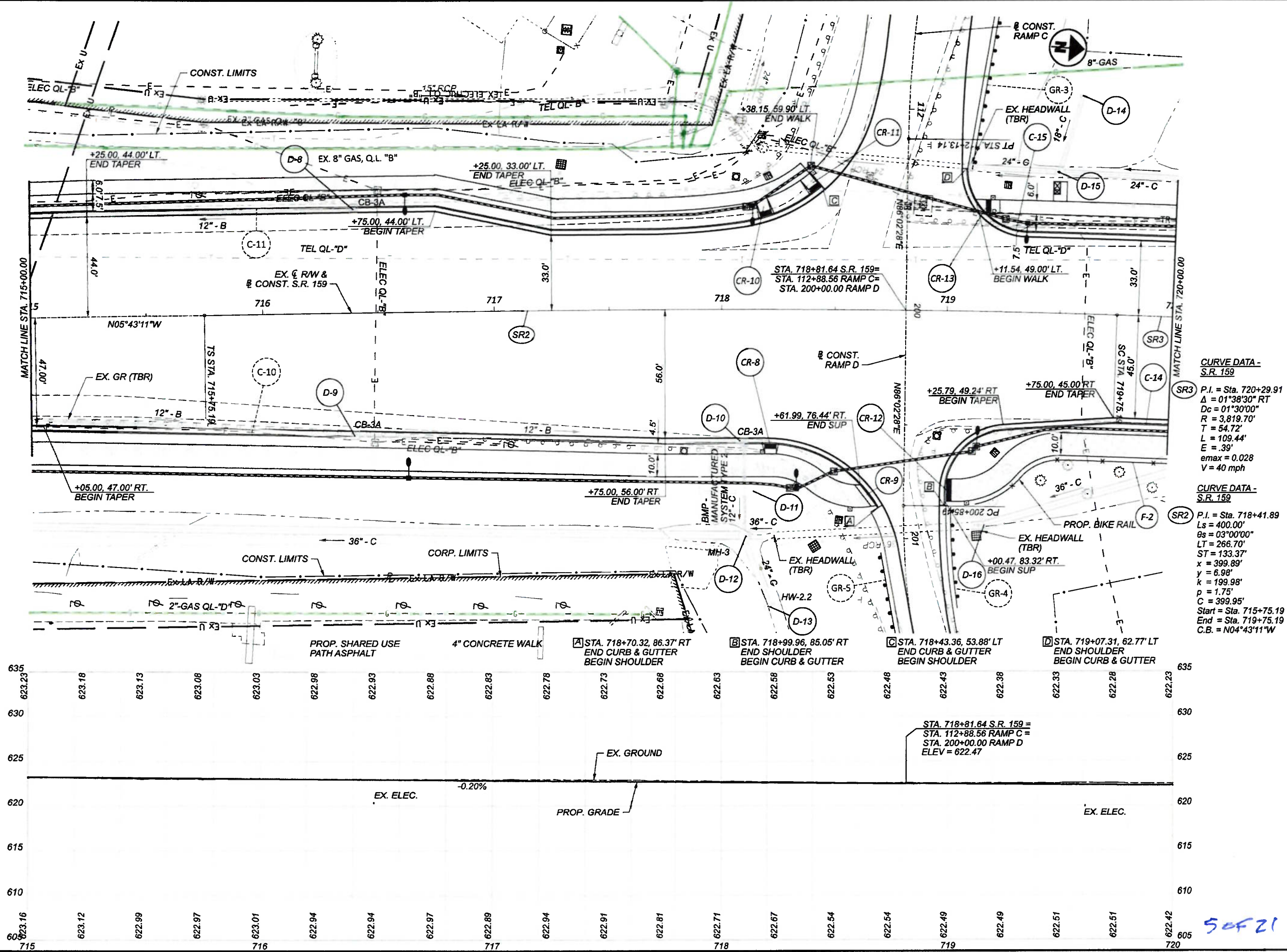


PLAN AND PROFILE - S.R. 159
STA. 710+00.00 TO STA. 715+00.00

DESIGN AGENCY	B&N burgessnippie.com
DESIGNER	DSS
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET TOTAL	157 578

4 of 21

CROSS REFERENCES	
SHEET NO.	PLAN SECTION
197-267	CROSS SECTIONS
283-297	INTERSECTION DETAILS
300-313	DRIVE DETAILS



CURVE DATA - S.R. 159
 P.I. = Sta. 720+29.91
 $\Delta = 01^{\circ}38'30''$ RT
 $D_c = 01^{\circ}30'00''$
 $R = 3,819.70'$
 $T = 54.72'$
 $L = 109.44'$
 $E = 39'$
 $e_{max} = 0.028$
 $V = 40$ mph

CURVE DATA - S.R. 159
 P.I. = Sta. 718+41.89
 $L_s = 400.00'$
 $\theta_s = 03^{\circ}00'00''$
 $LT = 266.70'$
 $ST = 133.37'$
 $x = 399.89'$
 $y = 6.98'$
 $k = 199.98'$
 $p = 1.75'$
 $C = 399.95'$
 Start = Sta. 715+75.19
 End = Sta. 719+75.19
 C.B. = $N04^{\circ}43'11''$ W

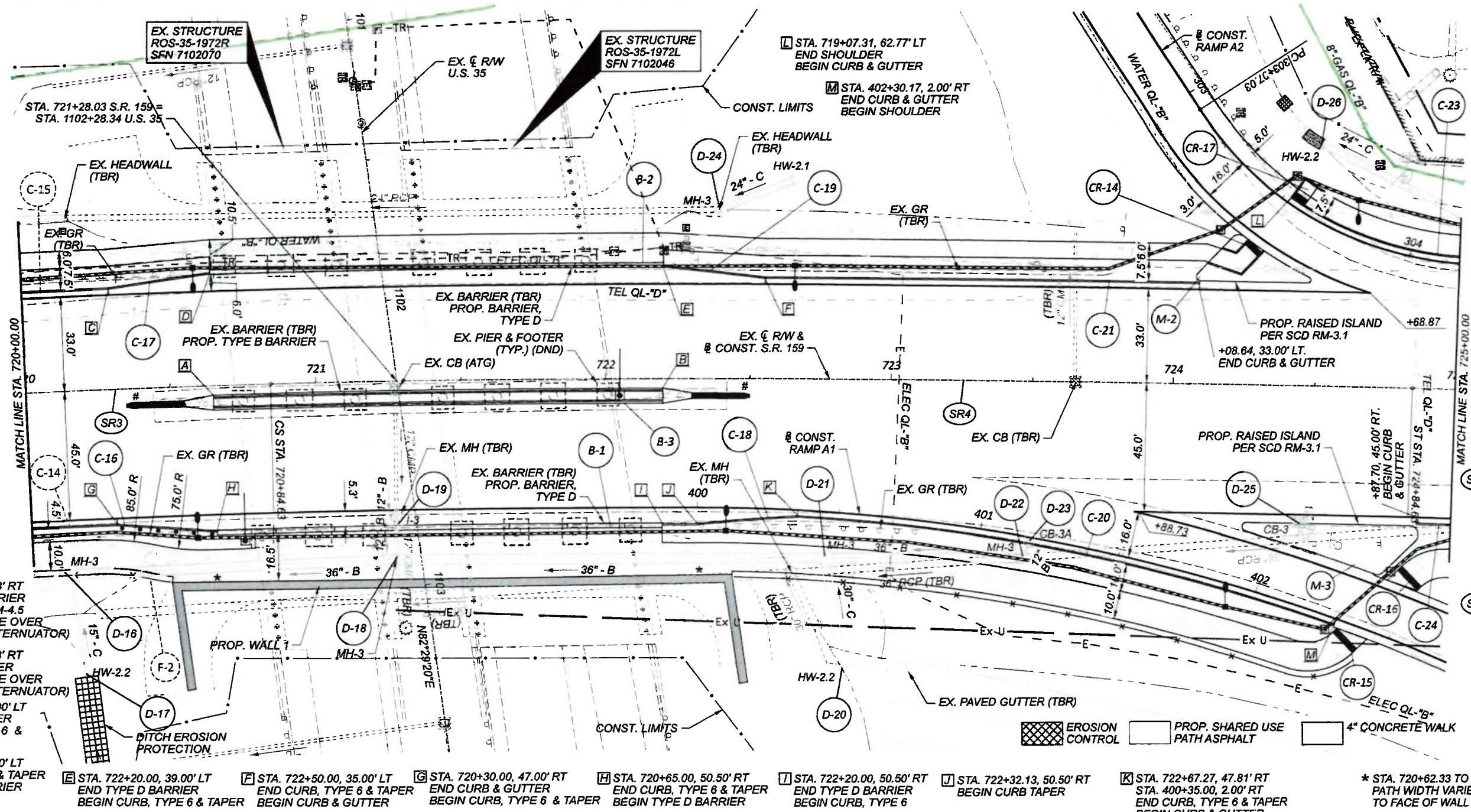


PLAN AND PROFILE - S.R. 159
STA. 715+00.00 TO STA. 720+00.00

DESIGN AGENCY	B&N burgessniple.com
DESIGNER	DSS
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET TOTAL	158 578

5 of 21

CROSS REFERENCES	
SHEET NO.	PLAN SECTION
191-267	CROSS SECTIONS
283-297	INTERSECTION DETAILS
300-313	DRIVE DETAILS

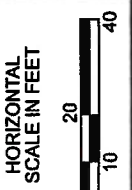
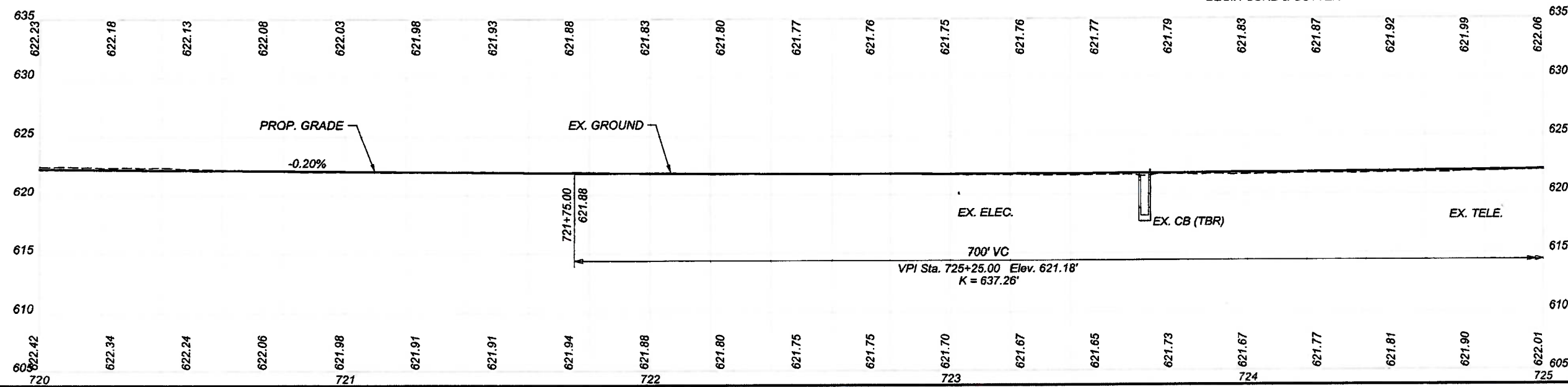


CURVE DATA - S.R. 159

SR3 P.I. = Sta. 720+29.91
 $\Delta = 01^{\circ}38'30''$ RT
 $Dc = 01^{\circ}30'00''$
 $R = 3,819.70'$
 $T = 54.72'$
 $L = 109.44'$
 $E = .39'$
 $e_{max} = 0.028$
 $V = 40$ MPH
 $NDC = NC$ SE

SR4 P.I. = Sta. 722+18.00
 $Ls = 400.00'$
 $\theta_s = 03^{\circ}00'00''$
 $LT = 266.70'$
 $ST = 133.37'$
 $x = 399.71'$
 $y = 13.96'$
 $p = 399.71'$
 $C = 399.95'$
 $Start = Sta. 720+84.63$
 $End = Sta. 724+84.63$
 $C.B. = N00^{\circ}55'19''E$

- # PROP. IMPACT ATTENUATOR, TYPE 2
- A STA. 720+65.00, 3.33' RT BEGIN TYPE B BARRIER WIDTH PER SCD RM-4.5 (TRANSITION SHAPE OVER 10' FOR IMPACT ATTENUATOR)
- B STA. 722+20.00, 3.33' RT END TYPE B BARRIER (TRANSITION SHAPE OVER 10' FOR IMPACT ATTENUATOR)
- C STA. 720+30.00, 35.00' LT END CURB & GUTTER BEGIN CURB, TYPE 6 & TAPER
- D STA. 720+65.00, 39.00' LT END CURB, TYPE 6 & TAPER BEGIN TYPE D BARRIER
- E STA. 722+20.00, 39.00' LT END TYPE D BARRIER BEGIN CURB, TYPE 6 & TAPER
- F STA. 722+50.00, 35.00' LT END CURB, TYPE 6 & TAPER BEGIN CURB & GUTTER
- G STA. 720+30.00, 47.00' RT END CURB & GUTTER BEGIN CURB, TYPE 6 & TAPER
- H STA. 720+65.00, 50.50' RT END CURB, TYPE 6 & TAPER BEGIN TYPE D BARRIER
- I STA. 722+20.00, 50.50' RT END TYPE D BARRIER BEGIN CURB, TYPE 6
- J STA. 722+32.13, 50.50' RT BEGIN CURB TAPER
- K STA. 722+67.27, 47.81' RT STA. 400+35.00, 2.00' RT END CURB, TYPE 6 & TAPER BEGIN CURB & GUTTER
- * STA. 720+62.33 TO STA. 722+34.85 PATH WIDTH VARIES; CONSTRUCT TO FACE OF WALL



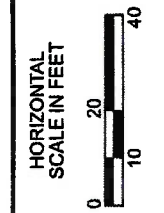
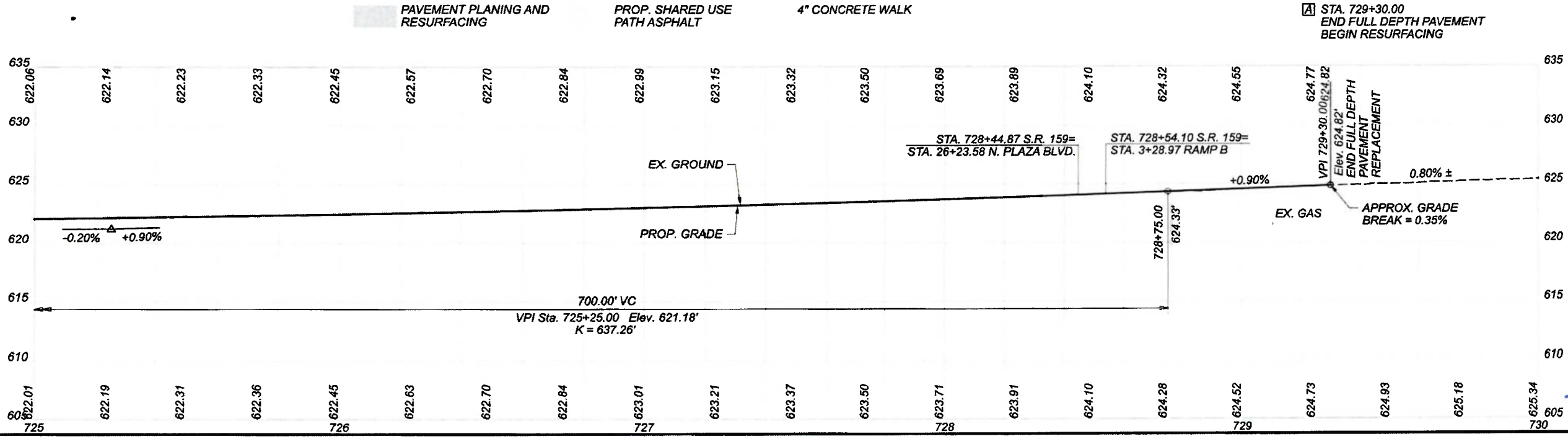
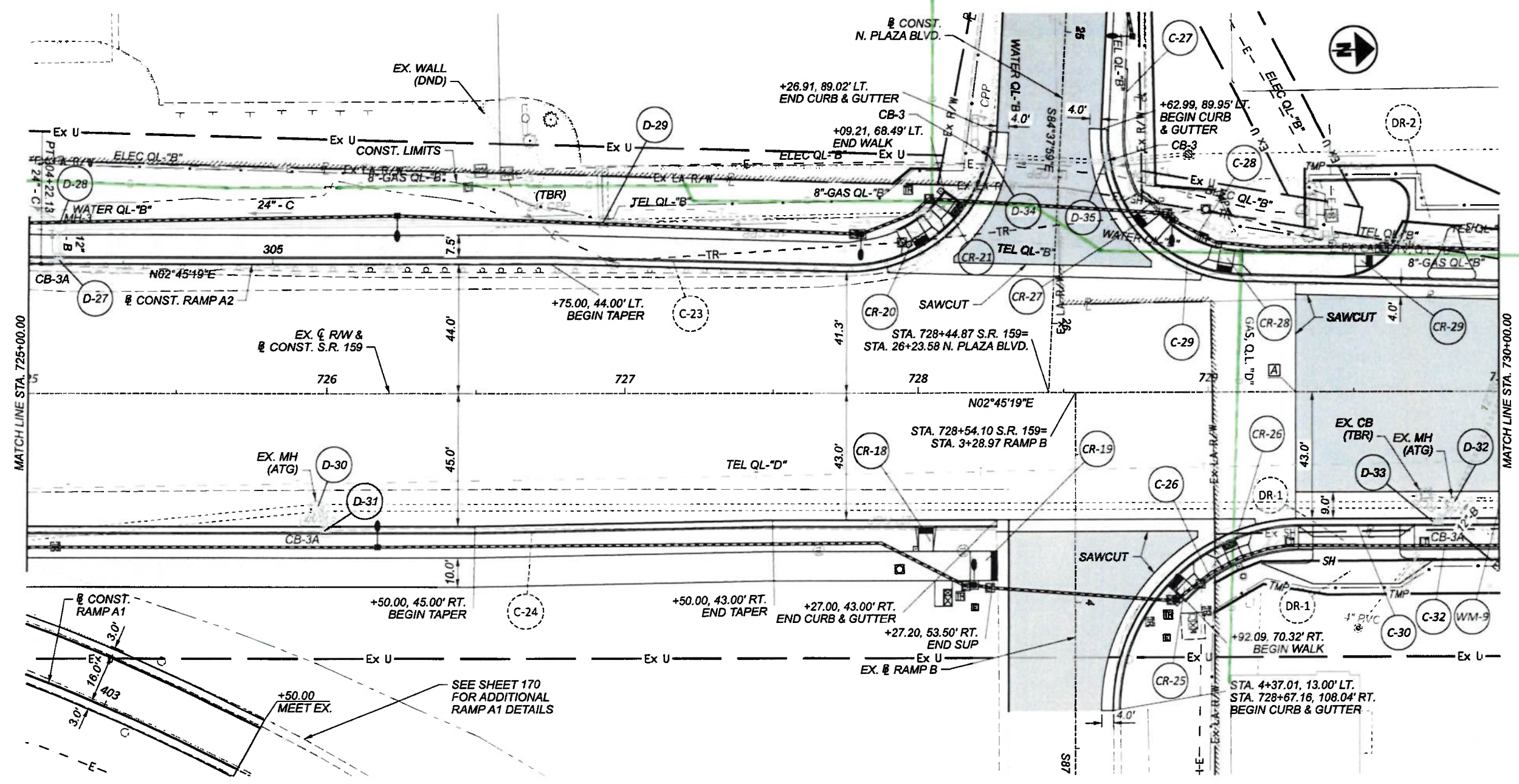
PLAN AND PROFILE - S.R. 159
 STA. 720+00.00 TO STA. 725+00.00



DESIGN AGENCY	B&N
DESIGNER	DSS
REVIEWER	BDT
DATE	11/22/23
PROJECT NO.	113013
SHEET TOTAL	159 / 578

6 OF 21

CROSS REFERENCES	
SHEET NO.	PLAN SECTION
191-267	CROSS SECTIONS
283-297	INTERSECTION DETAILS
300-313	DRIVE DETAILS



PLAN AND PROFILE - S.R. 159
 STA. 725+00.00 TO STA. 730+00.00

DESIGN AGENCY
B&N
 burgessniple.com

DESIGNER
 DSS

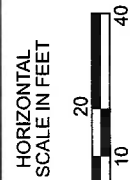
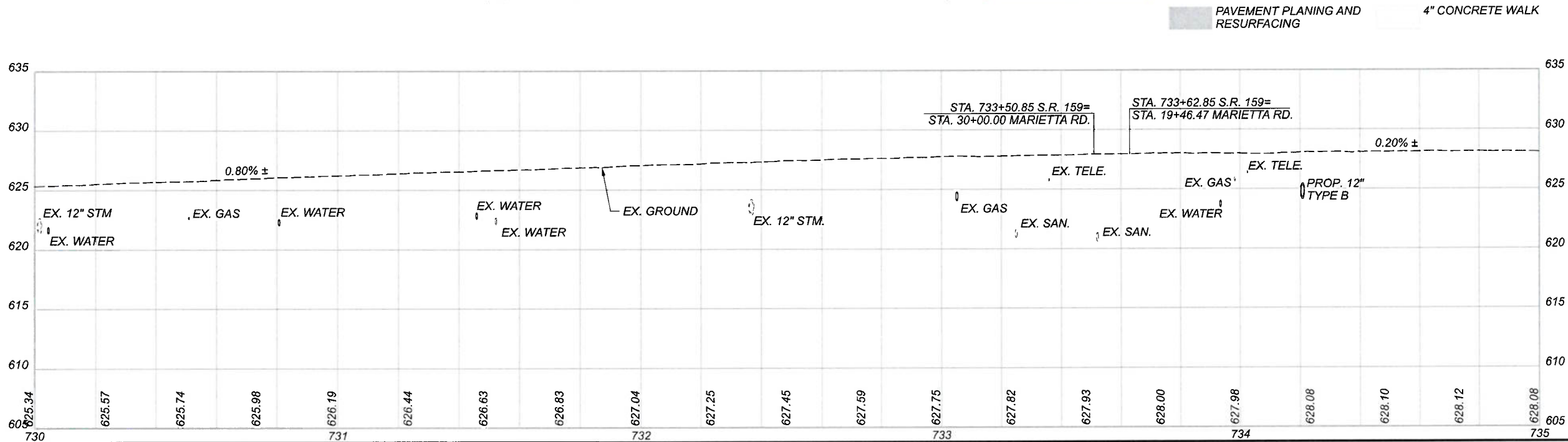
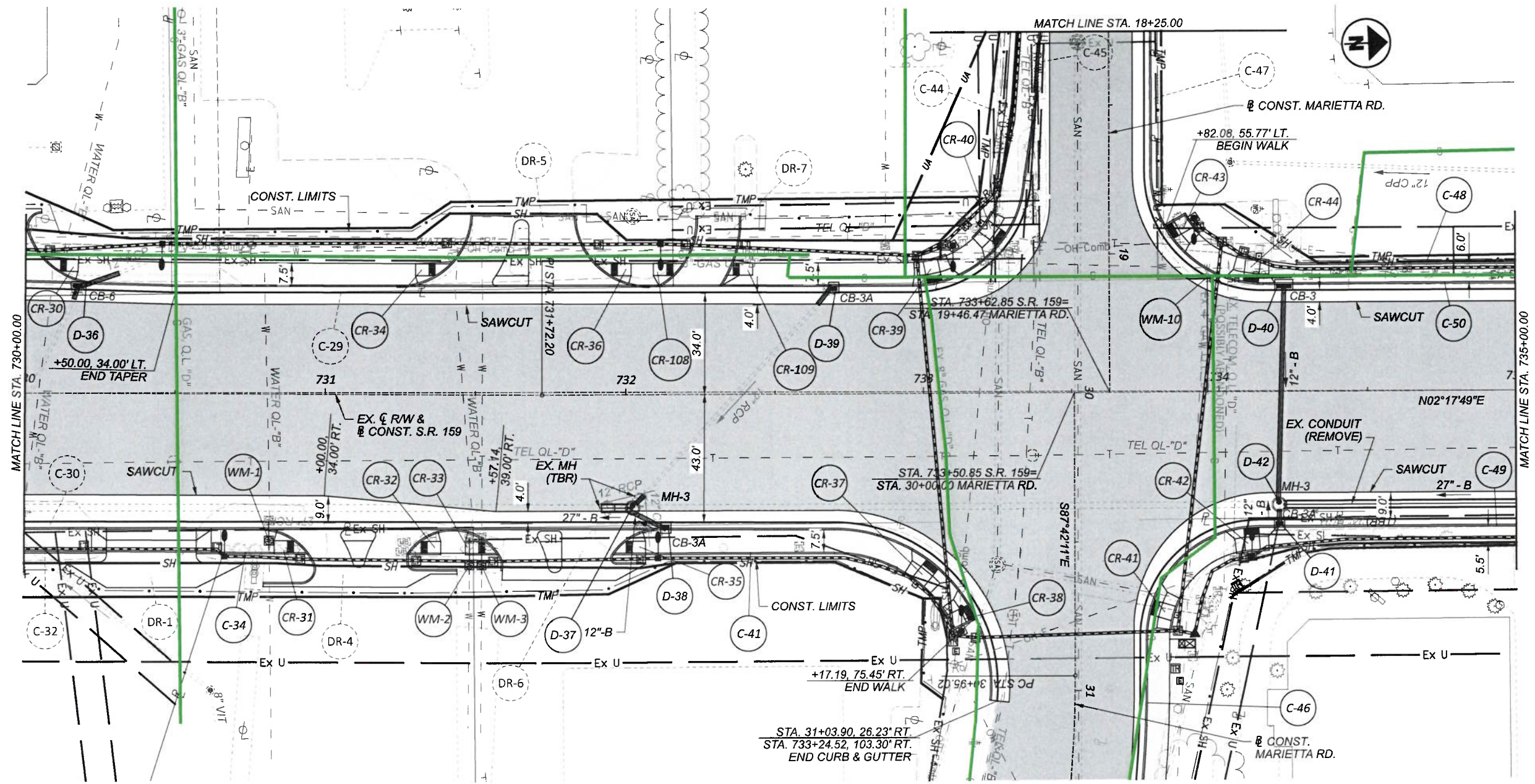
REVIEWER
 BDT 11/22/23

PROJECT ID
 113013

SHEET TOTAL
 160 578

70F21

CROSS REFERENCES	
SHEET NO.	PLAN SECTION
191-267	CROSS SECTIONS
283-297	INTERSECTION DETAILS
300-313	DRIVE DETAILS



PLAN AND PROFILE - S.R. 159
 STA. 730+00.00 TO STA. 735+00.00

DESIGN AGENCY



DESIGNER
DSS

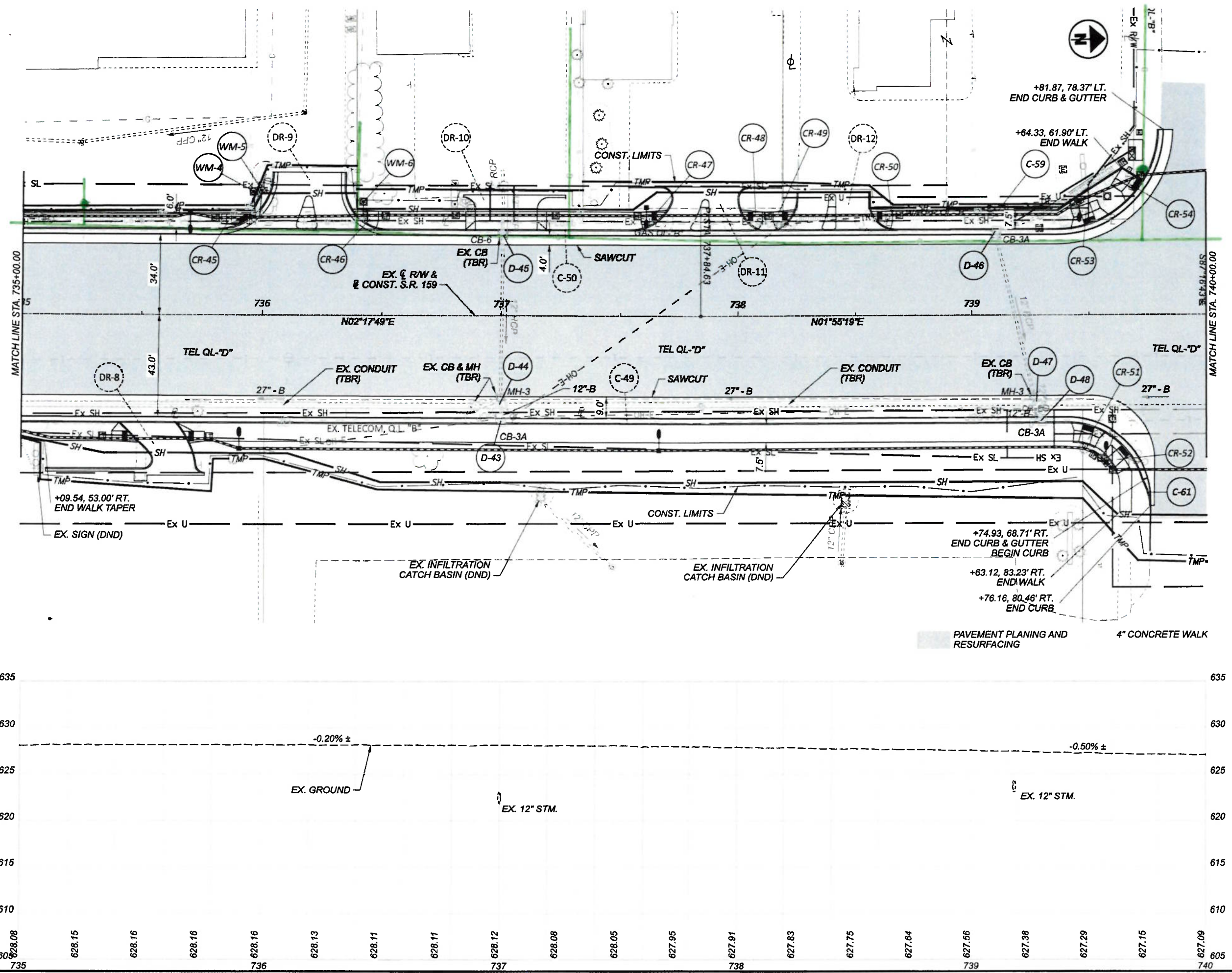
REVIEWER
BDT 11/22/23

PROJECT ID
113013

SHEET TOTAL
161 578

8 of 21

CROSS REFERENCES	
SHEET NO.	PLAN SECTION
191-267	CROSS SECTIONS
283-297	INTERSECTION DETAILS
300-313	DRIVE DETAILS



PLAN AND PROFILE - S.R. 159
 STA. 735+00.00 TO STA. 740+00.00

DESIGN AGENCY



DESIGNER
DSS

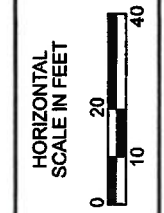
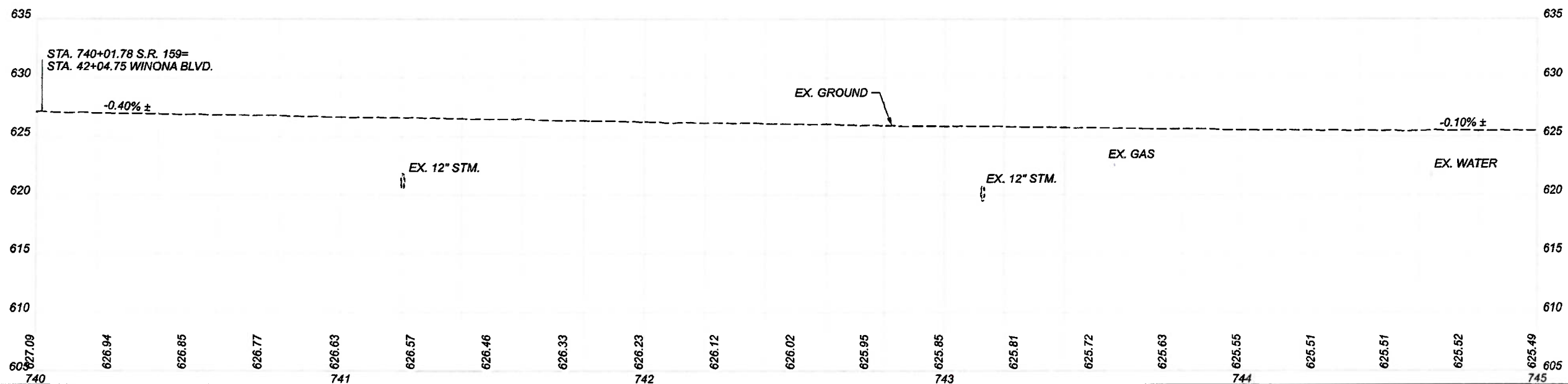
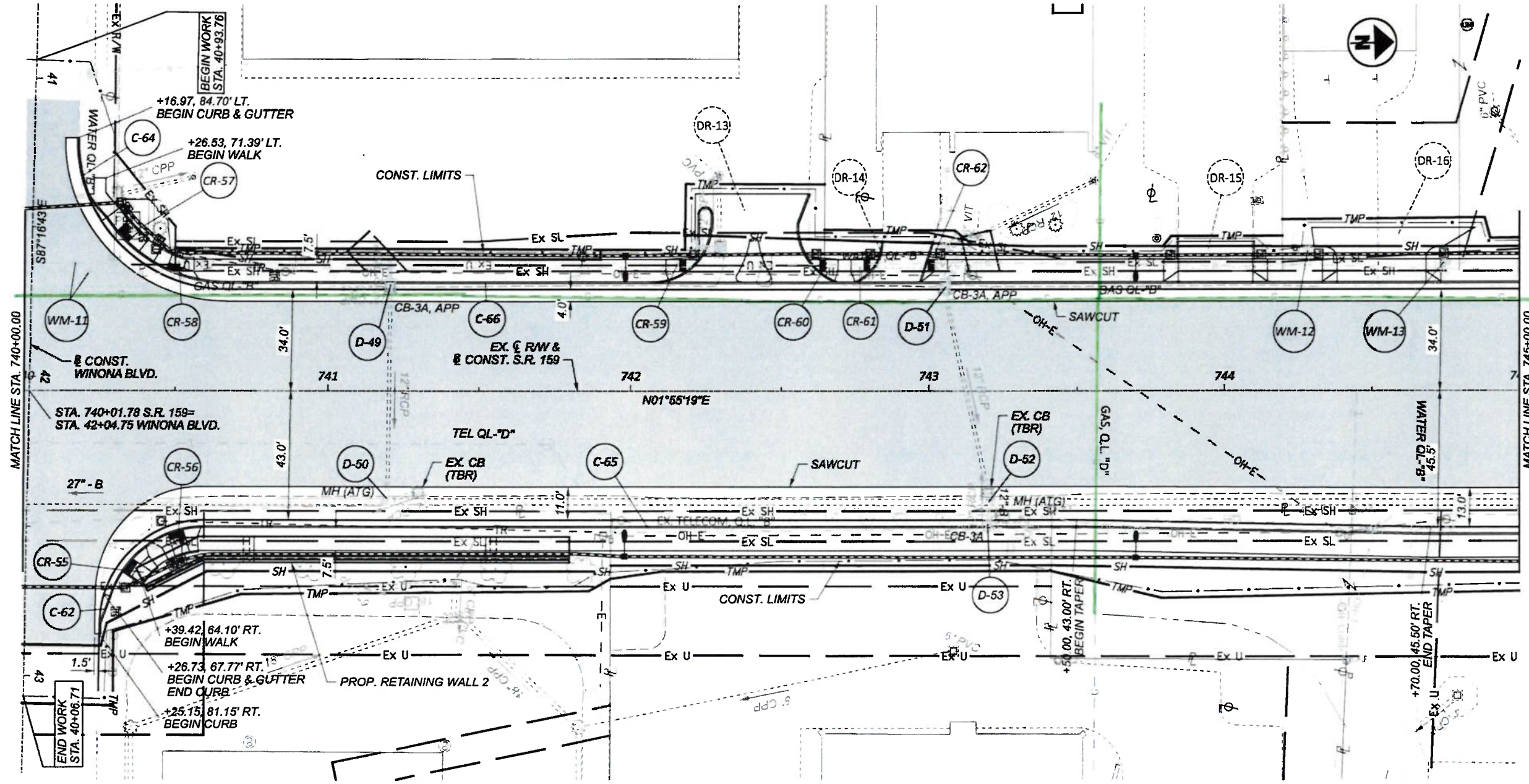
REVIEWER
BDT 11/22/23

PROJECT ID
113013

SHEET TOTAL
162 578

90FZ1

CROSS REFERENCES	
SHEET NO.	PLAN SECTION
191-267	CROSS SECTIONS
283-297	INTERSECTION DETAILS
300-313	DRIVE DETAILS



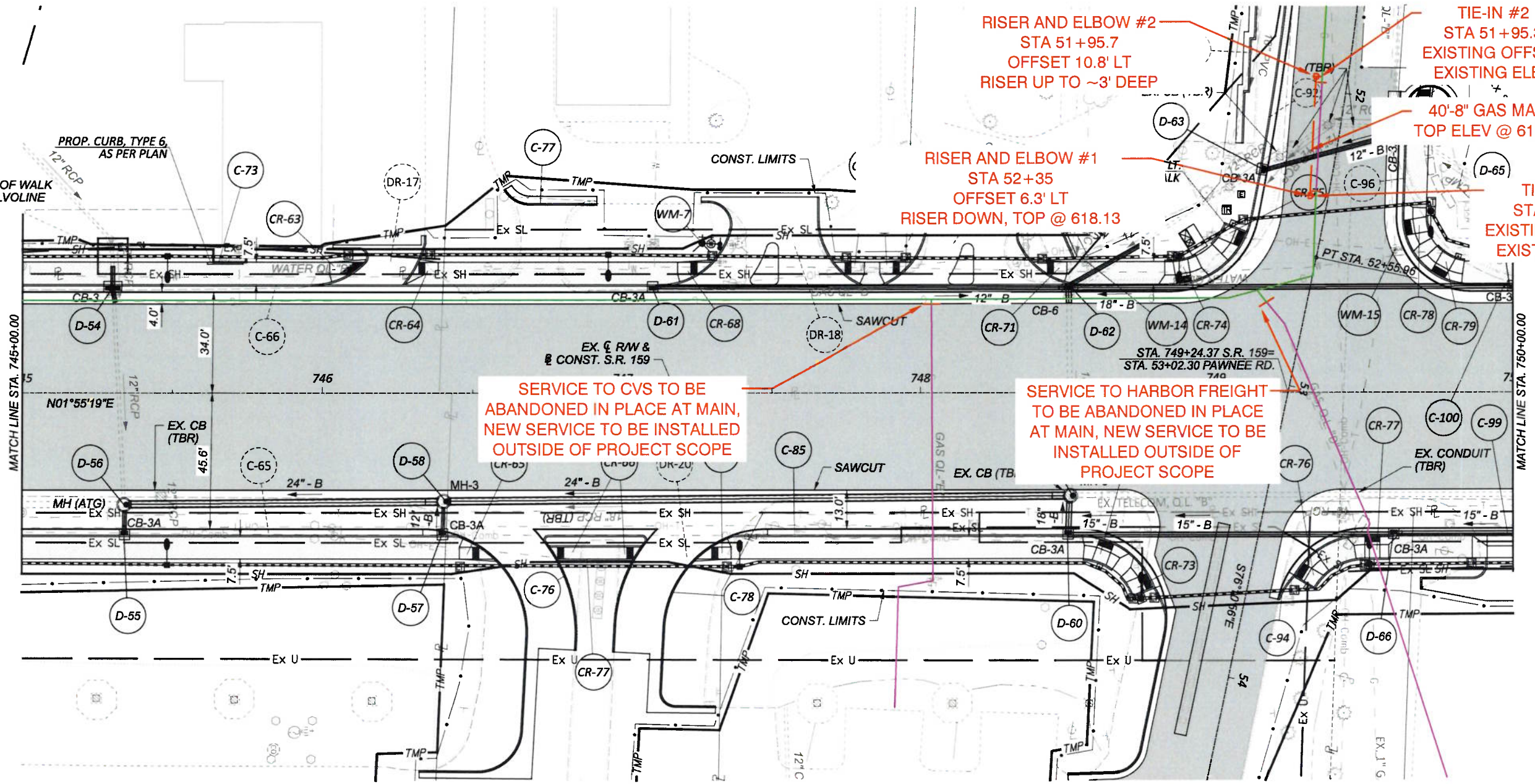
PLAN AND PROFILE - S.R. 159
 STA. 740+00.00 TO STA. 745+00.00

DESIGN AGENCY	
B&N burgessniple.com	
DESIGNER	DSS
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET	TOTAL
163	578

100FZ1

NOTE:
 PLACE CURB AT BACK OF WALK
 AROUND EXISTING VALVILINE
 SIGN FOUNDATION

CROSS REFERENCES	PLAN SECTION
SHEET NO.	CROSS SECTIONS
191-267	283-297
283-297	300-313
300-313	DRIVE DETAILS



SERVICE TO CVS TO BE
 ABANDONED IN PLACE AT MAIN,
 NEW SERVICE TO BE INSTALLED
 OUTSIDE OF PROJECT SCOPE

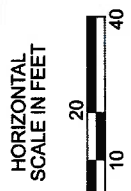
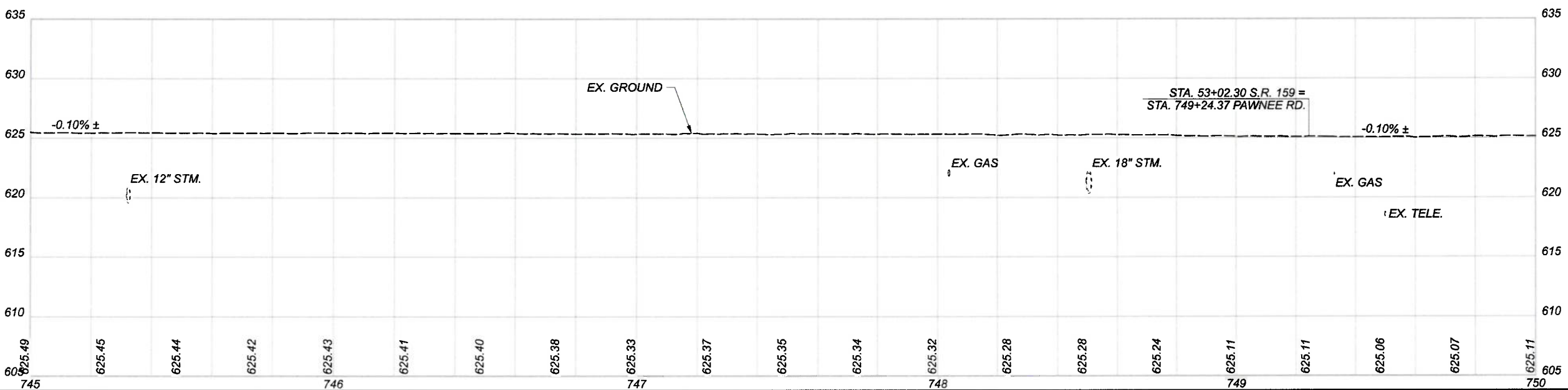
SERVICE TO HARBOR FREIGHT
 TO BE ABANDONED IN PLACE
 AT MAIN, NEW SERVICE TO BE
 INSTALLED OUTSIDE OF
 PROJECT SCOPE

RISER AND ELBOW #2
 STA 51+95.7
 OFFSET 10.8' LT
 RISER UP TO ~3' DEEP

RISER AND ELBOW #1
 STA 52+35
 OFFSET 6.3' LT
 RISER DOWN, TOP @ 618.13

TIE-IN #2
 STA 51+95.3
 EXISTING OFFSET
 EXISTING ELEV
 40'-8" GAS MAIN
 TOP ELEV @ 618.13

TIE-IN #1
 STA 52+35
 EXISTING OFFSET
 EXISTING ELEV



PLAN AND PROFILE - S.R. 159
 STA. 745+00.00 TO STA. 750+00.00

DESIGN AGENCY



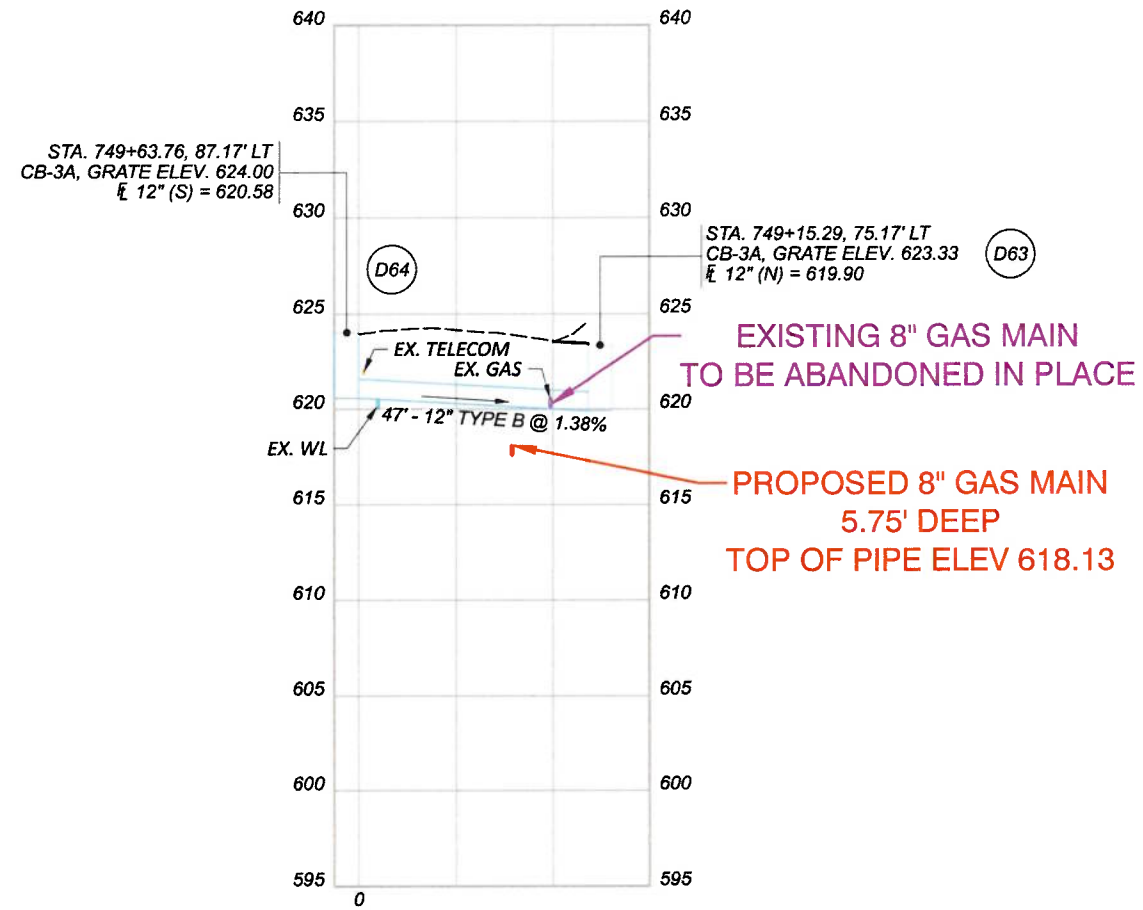
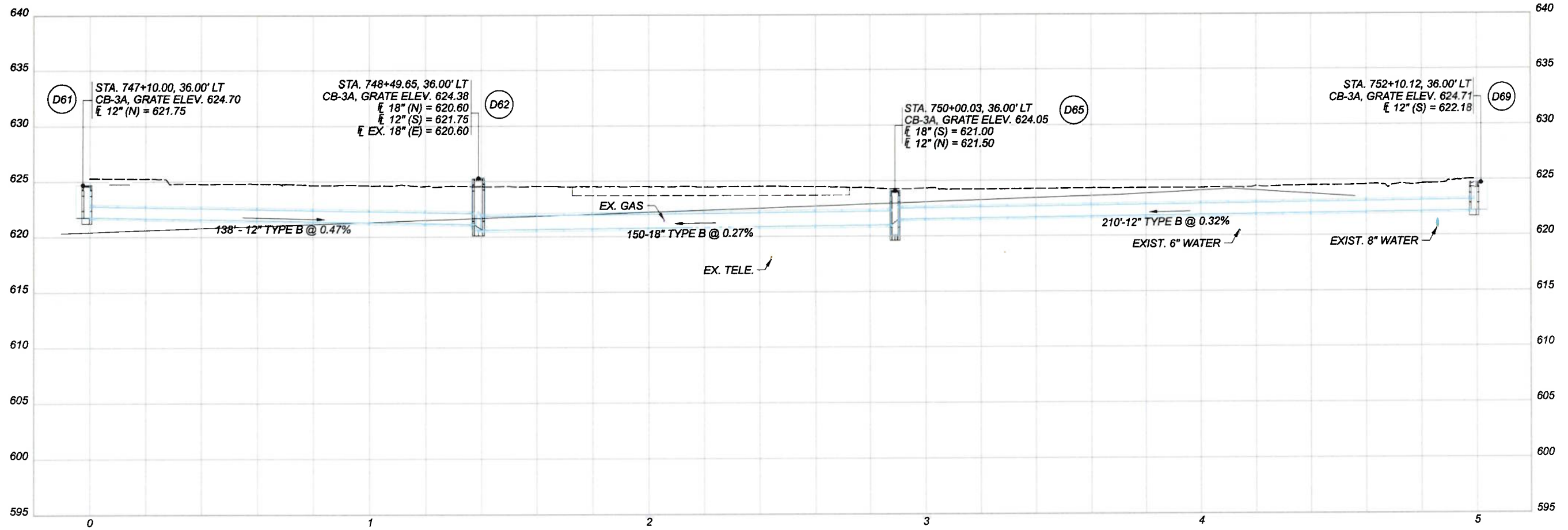
DESIGNER
 DSS

REVIEWER
 BDT 11/22/23

PROJECT ID
 113013

SHEET TOTAL
 164 578

11 OF 21



S.R. 159 DRAINAGE PROFILES - LEFT SIDE
 STA. 747+10.00 TO STA. 752+10.12

DESIGN AGENCY



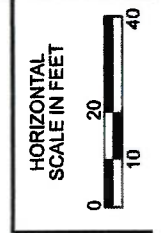
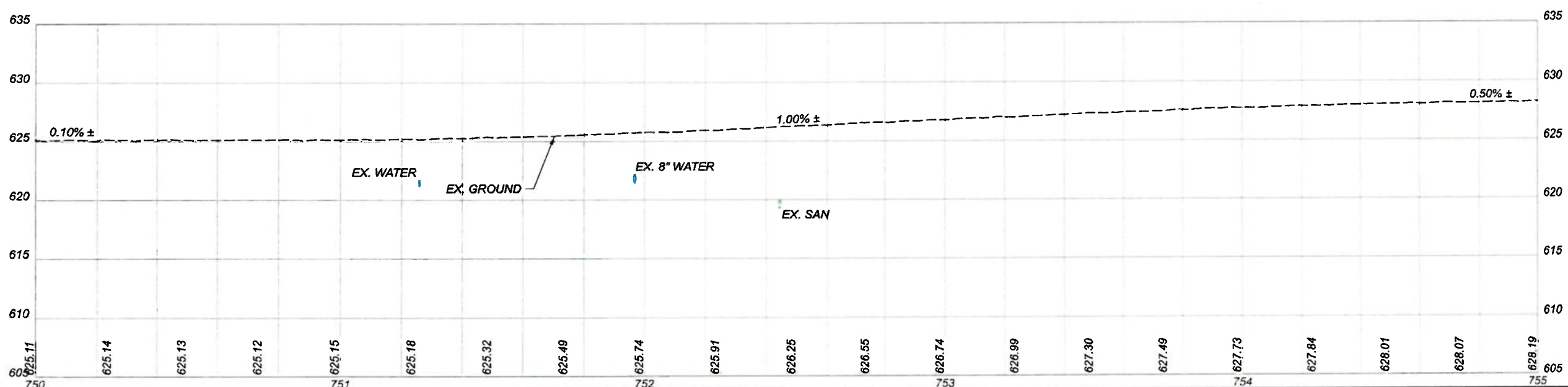
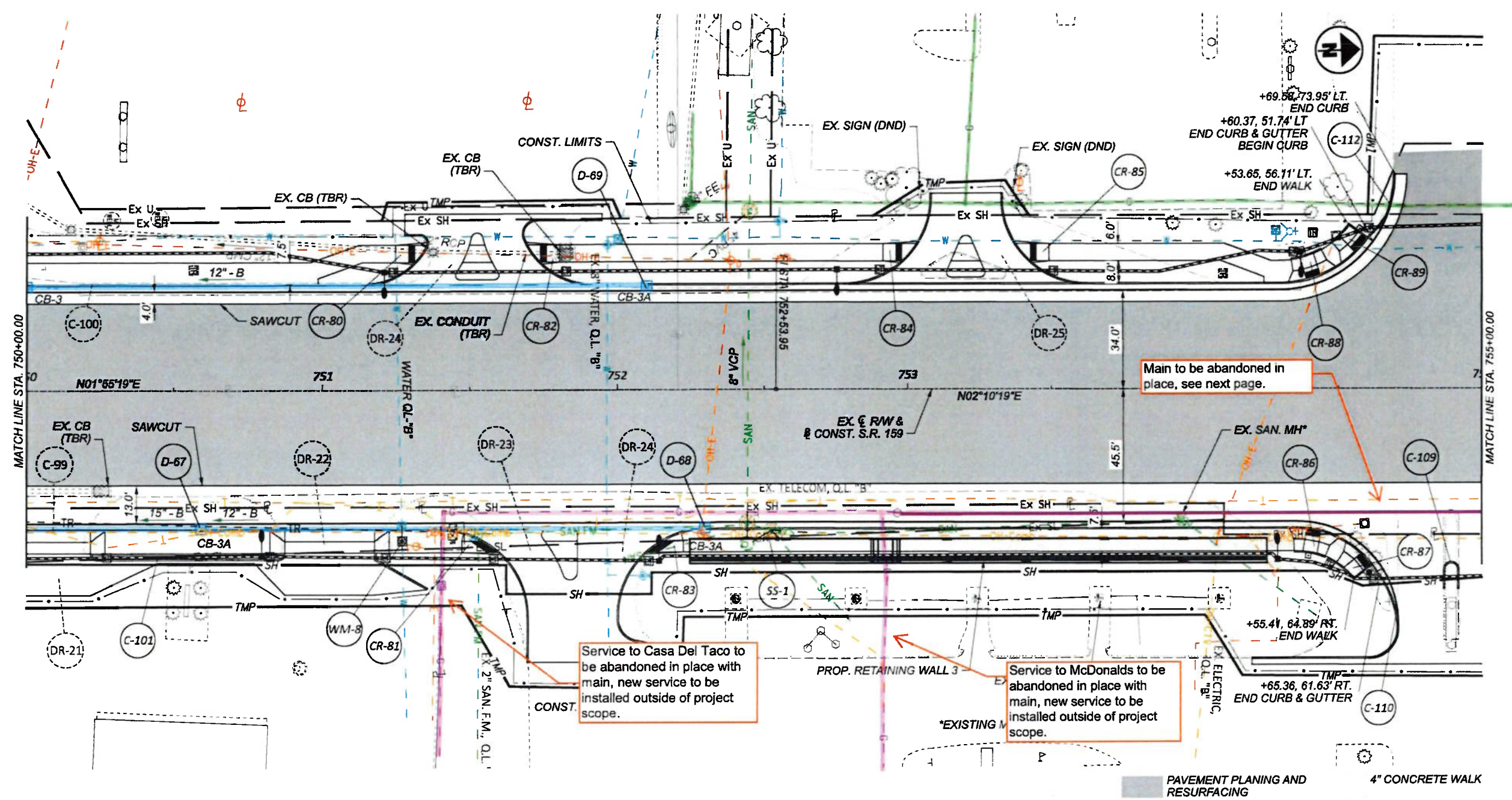
DESIGNER
 DPF

REVIEWER
 BJF 11/22/23

PROJECT ID
 113013

SHEET TOTAL
 319 578

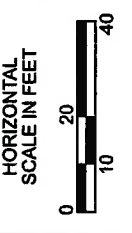
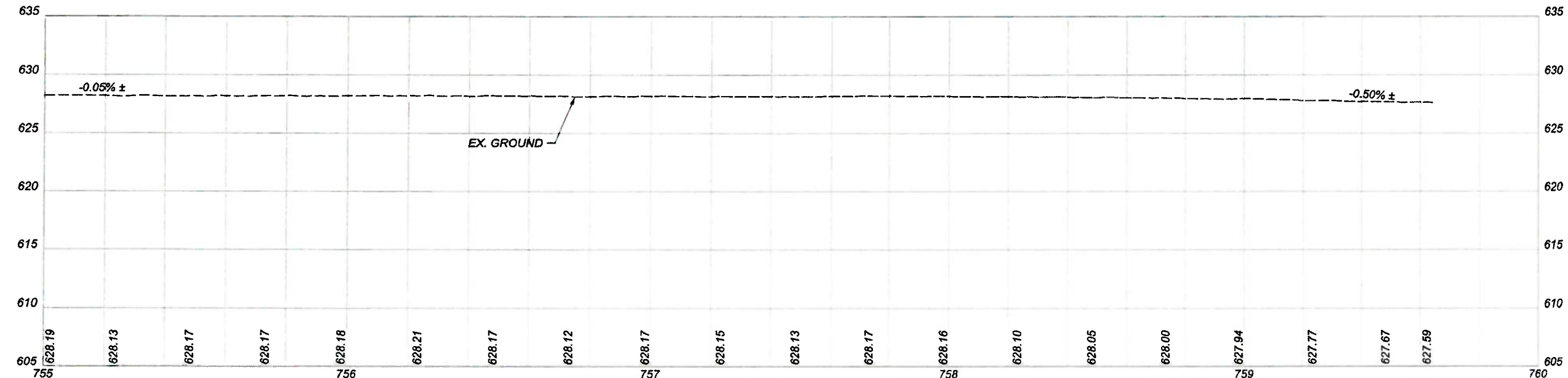
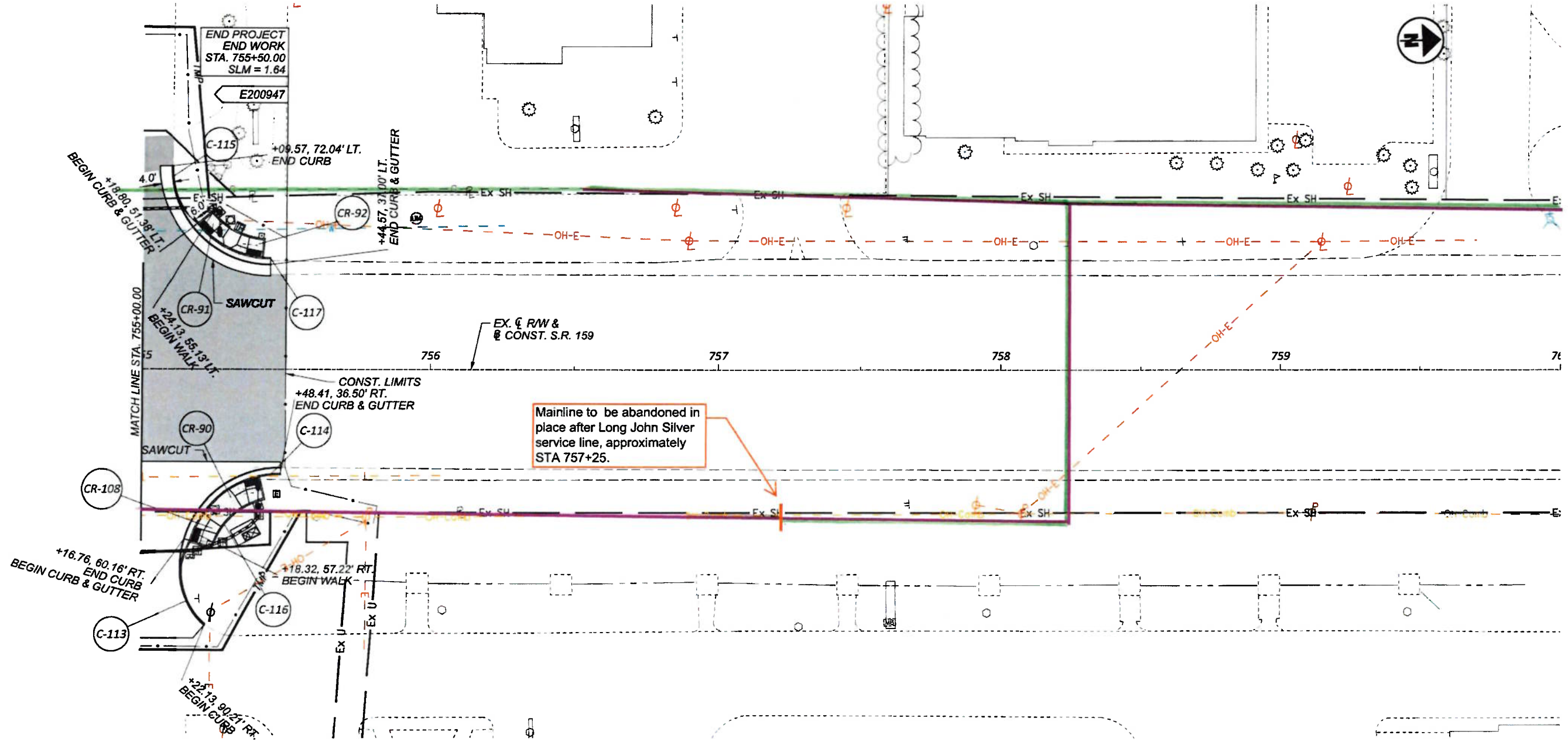
12 of 21



PLAN AND PROFILE - S.R. 159
 STA. 750+00.00 TO STA. 755+00.00

DESIGNER	DSS
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET TOTAL	165 / 578

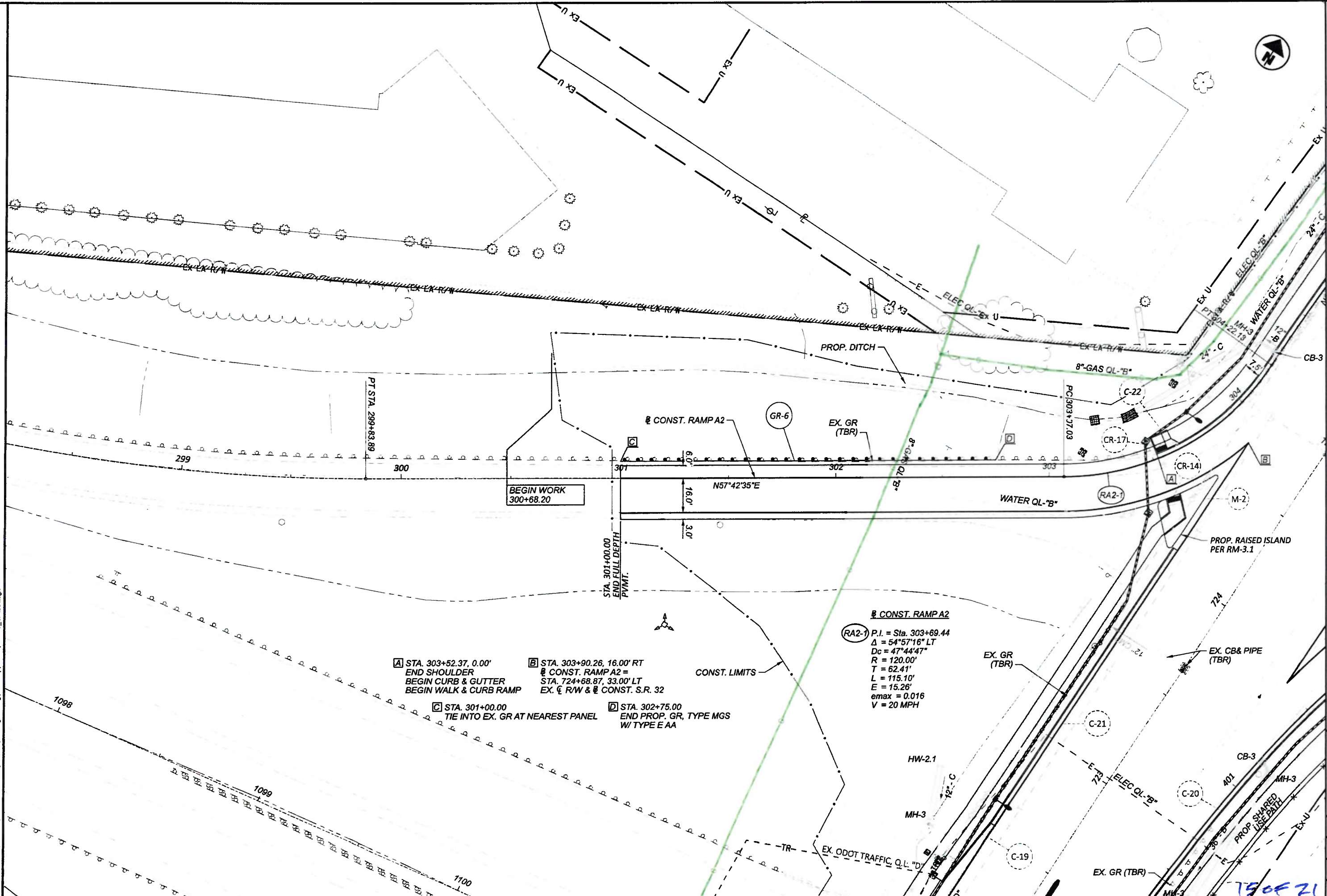
13 OF 21



PLAN AND PROFILE - S.R. 159
 STA. 755+00.00 TO END WORK

DESIGN AGENCY	
B&N burgessniple.com	
DESIGNER	DSS
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET	TOTAL
166	578

1A OF 21



BEGIN WORK
300+68.20

- A STA. 303+52.37, 0.00'
END SHOULDER
BEGIN CURB & GUTTER
BEGIN WALK & CURB RAMP
- B STA. 303+90.26, 16.00' RT
CONST. RAMP A2 =
STA. 724+68.87, 33.00' LT
EX. & R/W & CONST. S.R. 32
- C STA. 301+00.00
TIE INTO EX. GR AT NEAREST PANEL
- D STA. 302+75.00
END PROP. GR, TYPE MGS
W/ TYPE E AA

CONST. RAMP A2
RA2-1 P.I. = Sta. 303+69.44
Δ = 54°57'16" LT
Dc = 47°44'47"
R = 120.00'
T = 62.41'
L = 115.10'
E = 15.26'
emax = 0.016
V = 20 MPH



PLAN - RAMP A2
BEGIN WORK TO END WORK

DESIGN AGENCY	
B&N burgessniple.com	
DESIGNER	DSS
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET	TOTAL
171	578

750621

CURVE DATA - MARIETTA RD.

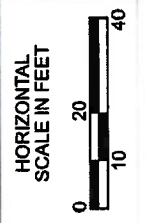
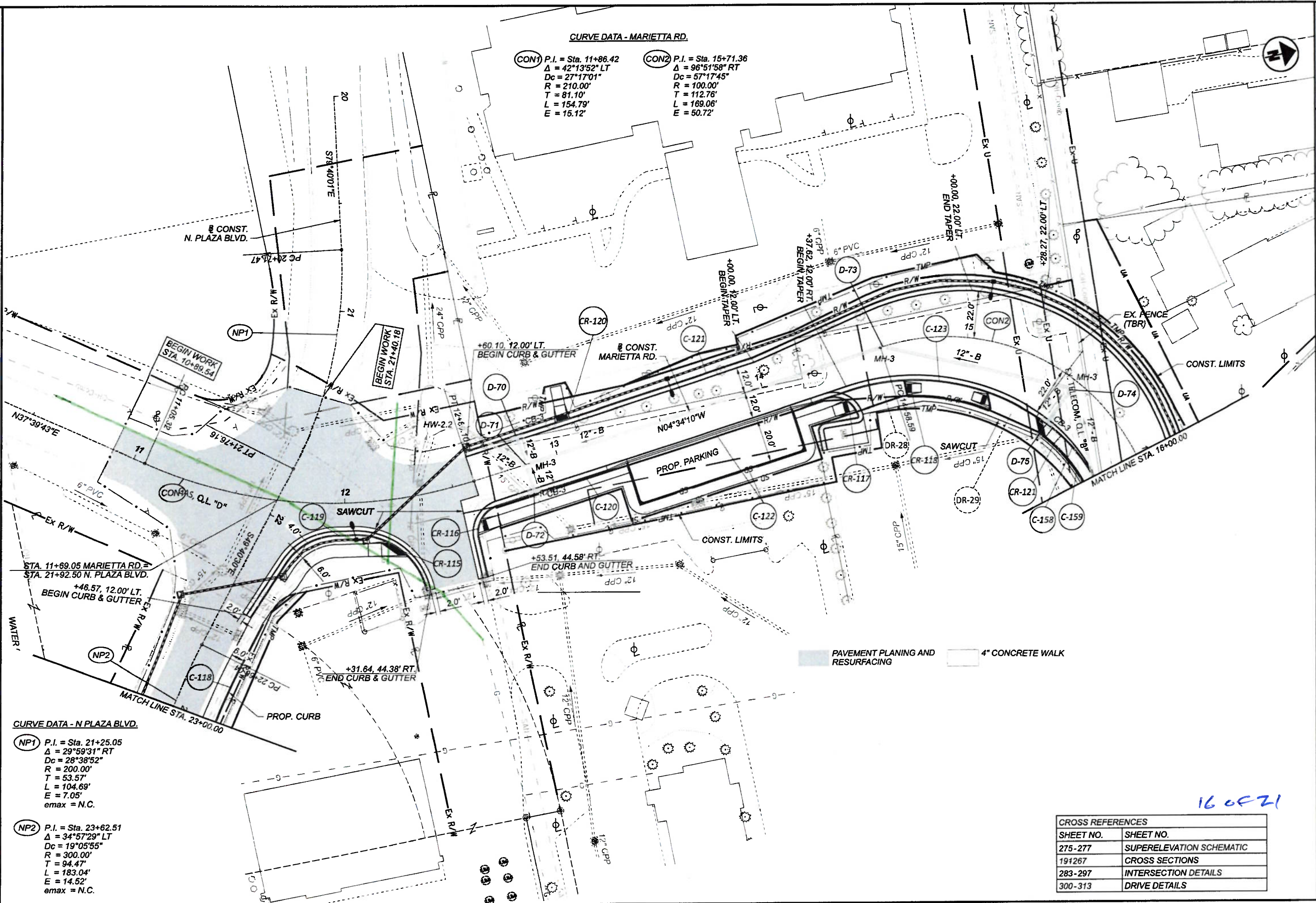
(CON1) P.I. = Sta. 11+86.42
 $\Delta = 42^\circ 13' 52''$ LT
 $D_c = 27^\circ 17' 01''$
 $R = 210.00'$
 $T = 81.10'$
 $L = 154.79'$
 $E = 15.12'$

(CON2) P.I. = Sta. 15+71.36
 $\Delta = 96^\circ 51' 58''$ RT
 $D_c = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 112.76'$
 $L = 169.06'$
 $E = 50.72'$

CURVE DATA - N PLAZA BLVD.

(NP1) P.I. = Sta. 21+25.00
 $\Delta = 29^\circ 59' 31''$ RT
 $D_c = 28^\circ 38' 52''$
 $R = 200.00'$
 $T = 53.57'$
 $L = 104.69'$
 $E = 7.05'$
 $e_{max} = N.C.$

(NP2) P.I. = Sta. 23+62.51
 $\Delta = 34^\circ 57' 29''$ LT
 $D_c = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 94.47'$
 $L = 183.04'$
 $E = 14.52'$
 $e_{max} = N.C.$



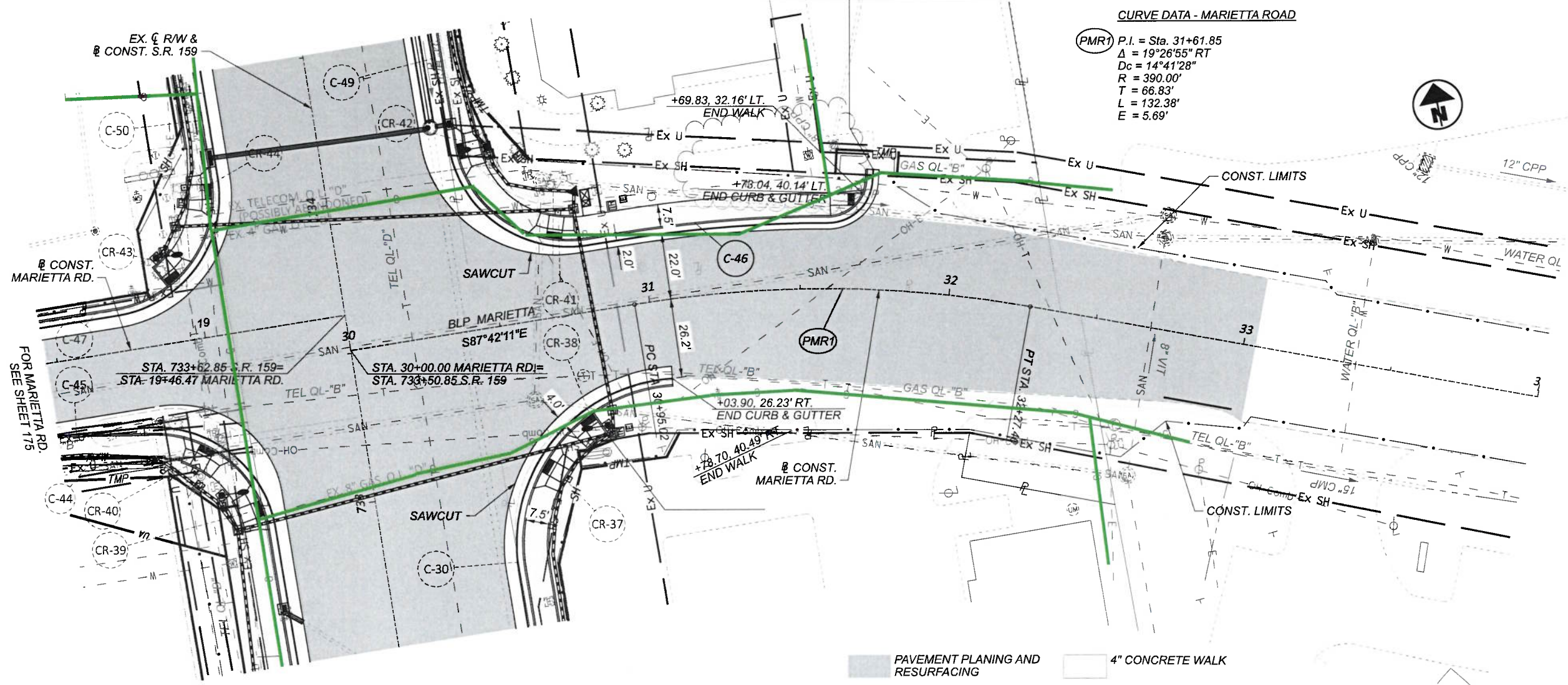
PLAN - MARIETTA ROAD
STA. 11+00.00 TO STA. 16+00.00

PAVEMENT PLANING AND RESURFACING
 4" CONCRETE WALK

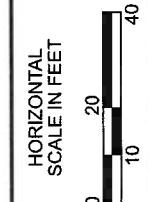
16 of 21

CROSS REFERENCES	
SHEET NO.	SHEET NO.
275-277	SUPERELEVATION SCHEMATIC
191267	CROSS SECTIONS
283-297	INTERSECTION DETAILS
300-313	DRIVE DETAILS

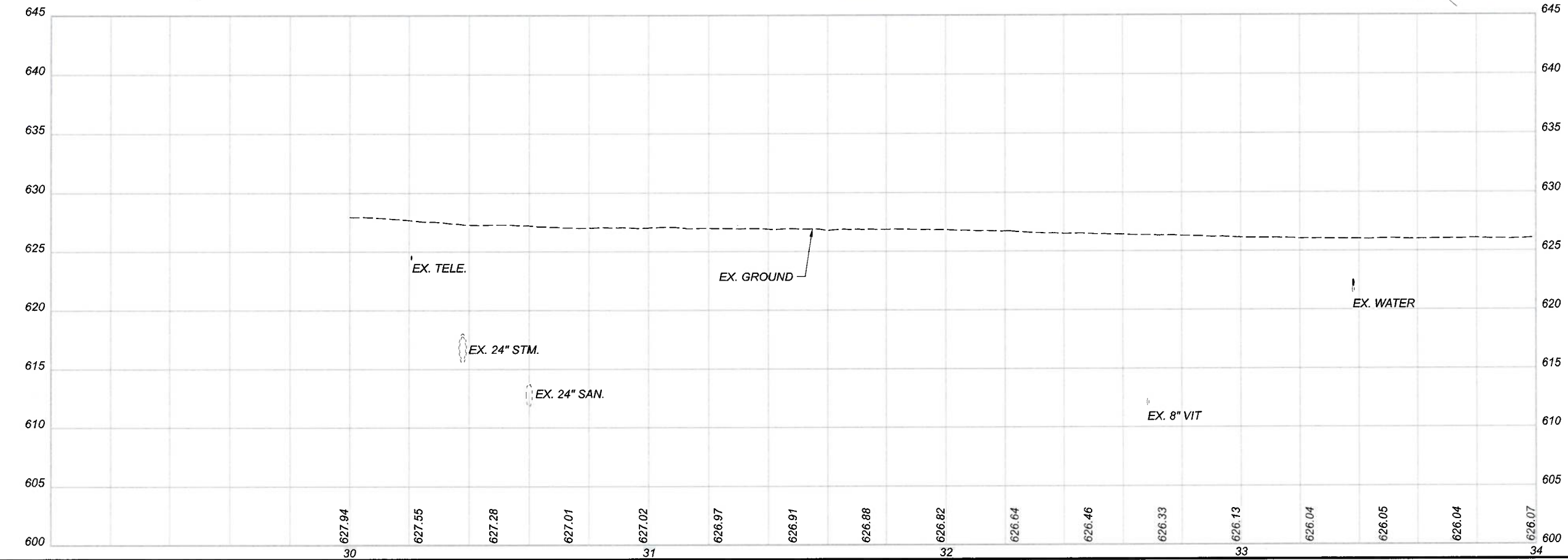
DESIGN AGENCY	B&N burgessnippa.com
DESIGNER	DSS
REVIEWER	BDT
DATE	11/22/23
PROJECT ID	113013
SHEET TOTAL	174
TOTAL	578



CURVE DATA - MARIETTA ROAD
 (PMR1) P.I. = Sta. 31+61.85
 Δ = 19°26'55" RT
 Dc = 14°41'28"
 R = 390.00'
 T = 66.83'
 L = 132.38'
 E = 5.69'



CROSS REFERENCES	
SHEET NO.	PLAN SECTION
191-267	CROSS SECTIONS
283-297	INTERSECTION DETAILS
300-313	DRIVE DETAILS



PLAN AND PROFILE - MARIETTA ROAD
 STA. 30+00.00 TO STA. 34+00.00

DESIGN AGENCY



DESIGNER
DSS

REVIEWER
BDT 11/22/23

PROJECT ID
113013

SHEET TOTAL
177 578

17 OF 21



PLAN - STEWART ROAD
STA. 60+00.00 TO STA. 68+50.00

DESIGN AGENCY	B&N burgessniple.com
DESIGNER	NJL
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET TOTAL	180 578

CROSS REFERENCES	
SHEET NO.	PLAN SECTION
191-267	CROSS SECTIONS
283-297	INTERSECTION DETAILS
300-313	DRIVE DETAILS

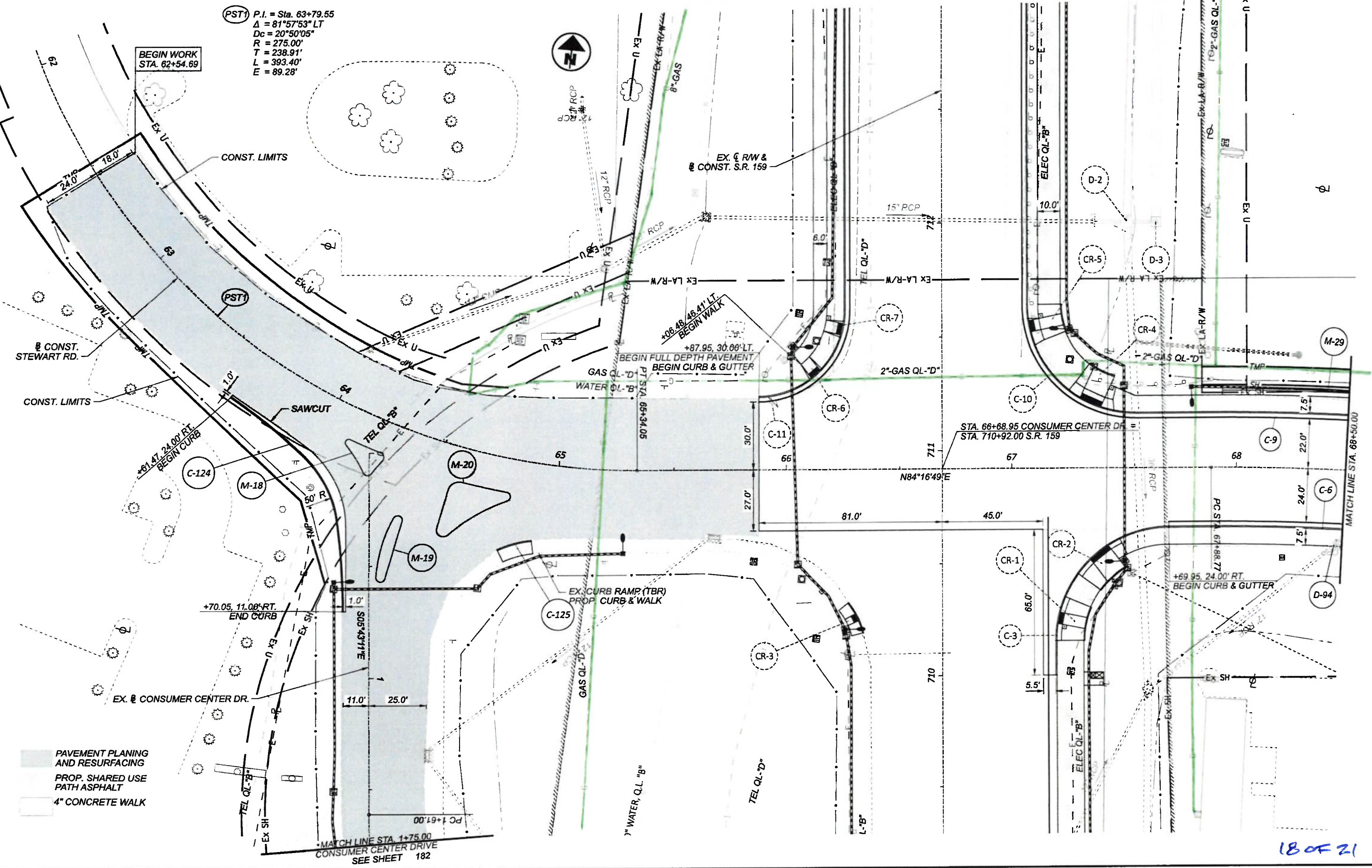
CURVE DATA - STEWART ROAD

PST1 P.I. = Sta. 63+79.55
 $\Delta = 81^{\circ}57'53''$ LT
 $D_c = 20^{\circ}50'05''$
 $R = 275.00'$
 $T = 238.91'$
 $L = 393.40'$
 $E = 89.28'$

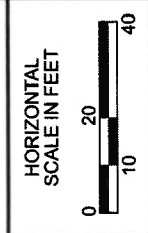
ROS-159-0.41

MODEL: BLP-STEWART - Plan 1-2 PAPER SIZE: 11x17 (in.) DATE: 2/20/2024 TIME: 4:02:22 PM USER: kuhlan
 PW: \\br-pw-bentley.com\br-pw-0\Documents\113013\100-Engineering\Roadway\Sheets\113013_CPE601.dgn

PAVEMENT PLANING AND RESURFACING
 PROP. SHARED USE PATH ASPHALT
 4" CONCRETE WALK



18 OF 21



PLAN - STEWART ROAD AND RIVER TRACE
 STA. 68+50.00 TO END WORK

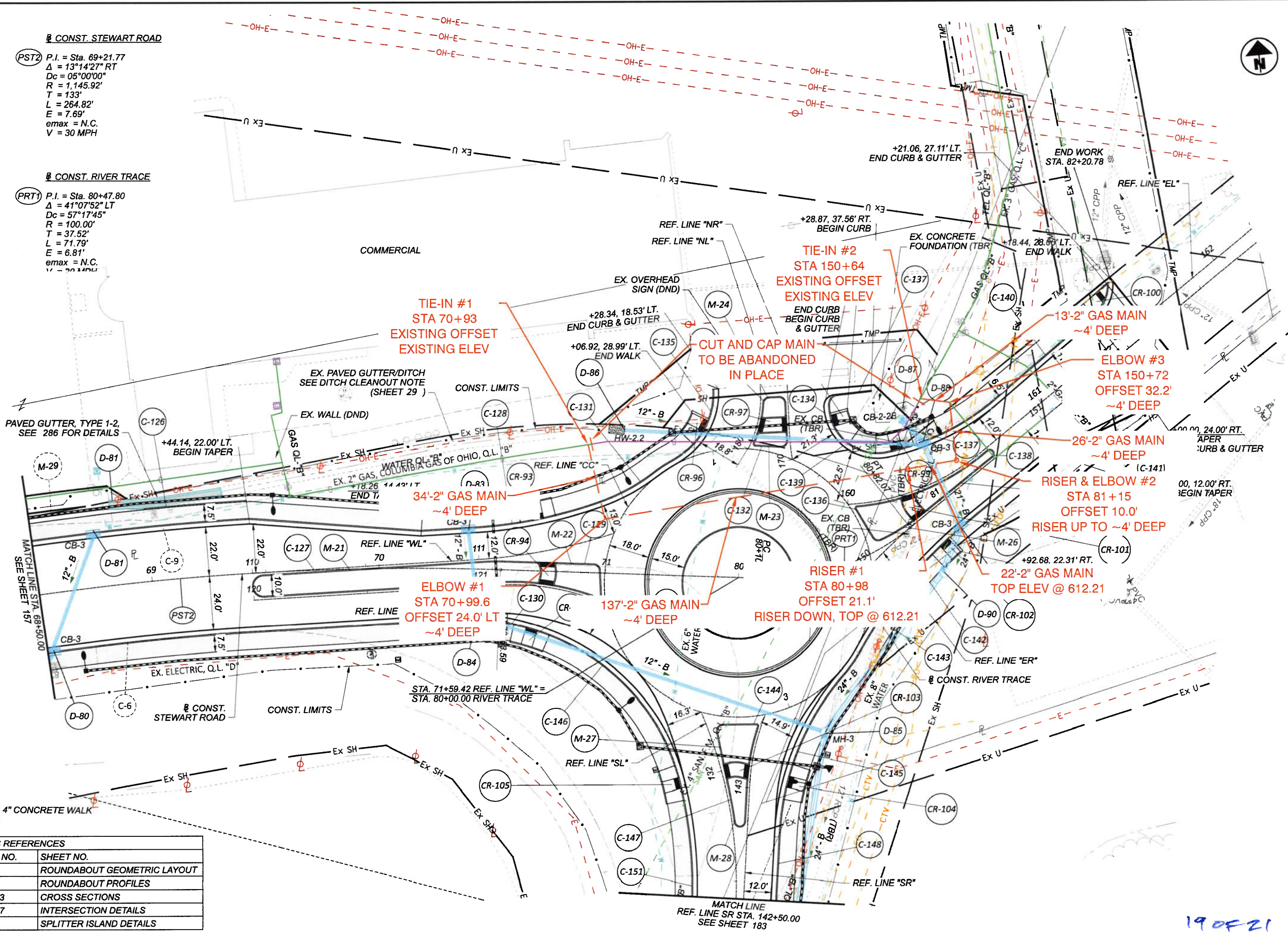
DESIGN AGENCY	
B&N burgessniple.com	
DESIGNER	NJL
REVIEWER	BDT 11/22/23
PROJECT ID	113013
SHEET	TOTAL
181	578

CONST. STEWART ROAD

PST2 P.I. = Sta. 69+21.77
 $\Delta = 13^\circ 14' 27''$ RT
 $D_c = 05^\circ 00' 00''$
 $R = 1,145.92'$
 $T = 133'$
 $L = 264.82'$
 $E = 7.69'$
 $e_{max} = N.C.$
 $V = 30$ MPH

CONST. RIVER TRACE

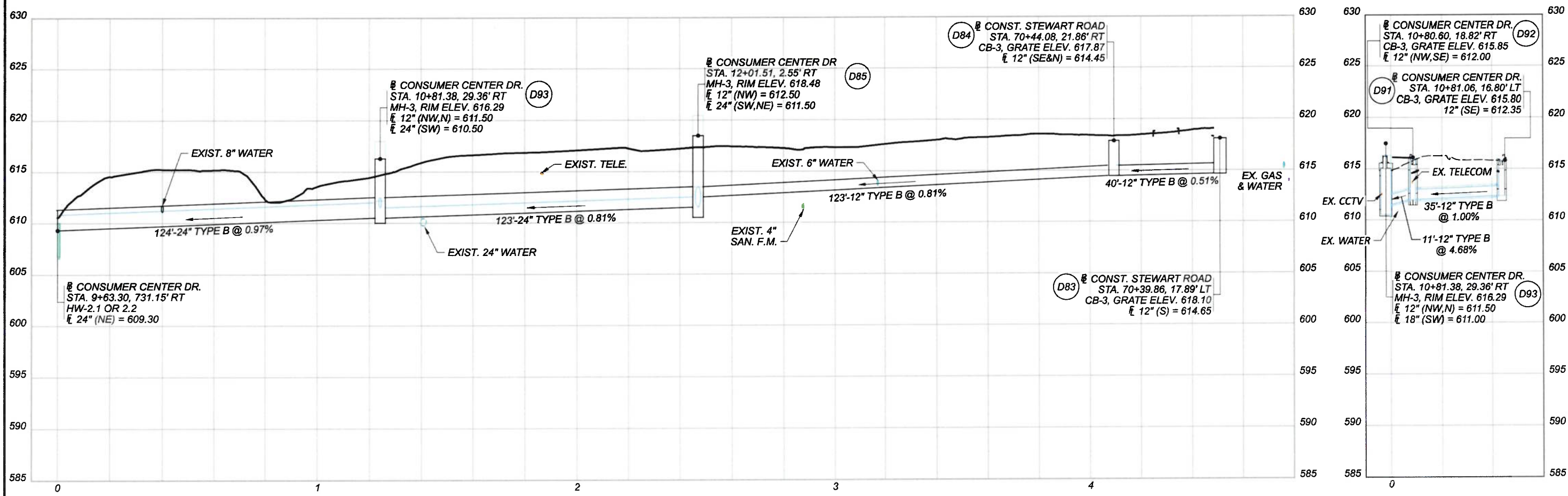
PRT1 P.I. = Sta. 80+47.80
 $\Delta = 41^\circ 07' 52''$ LT
 $D_c = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 37.52'$
 $L = 71.79'$
 $E = 6.81'$
 $e_{max} = N.C.$
 $V = 30$ MPH



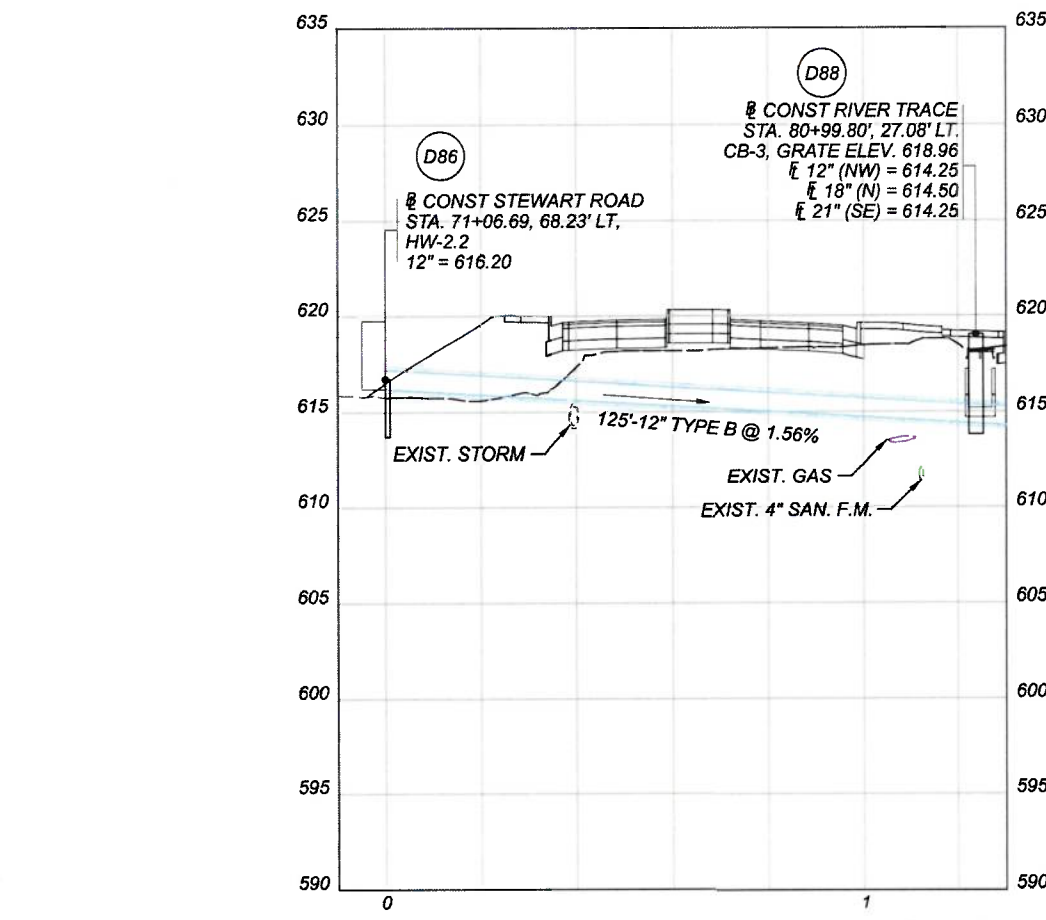
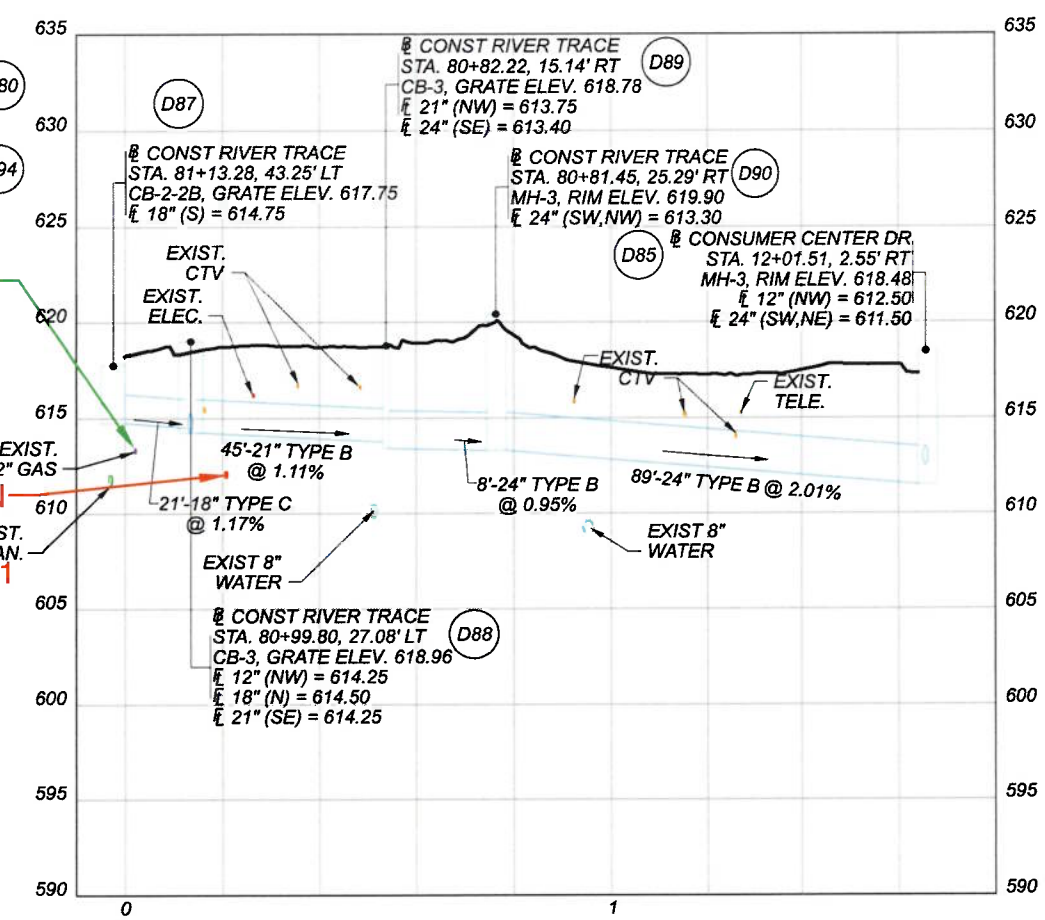
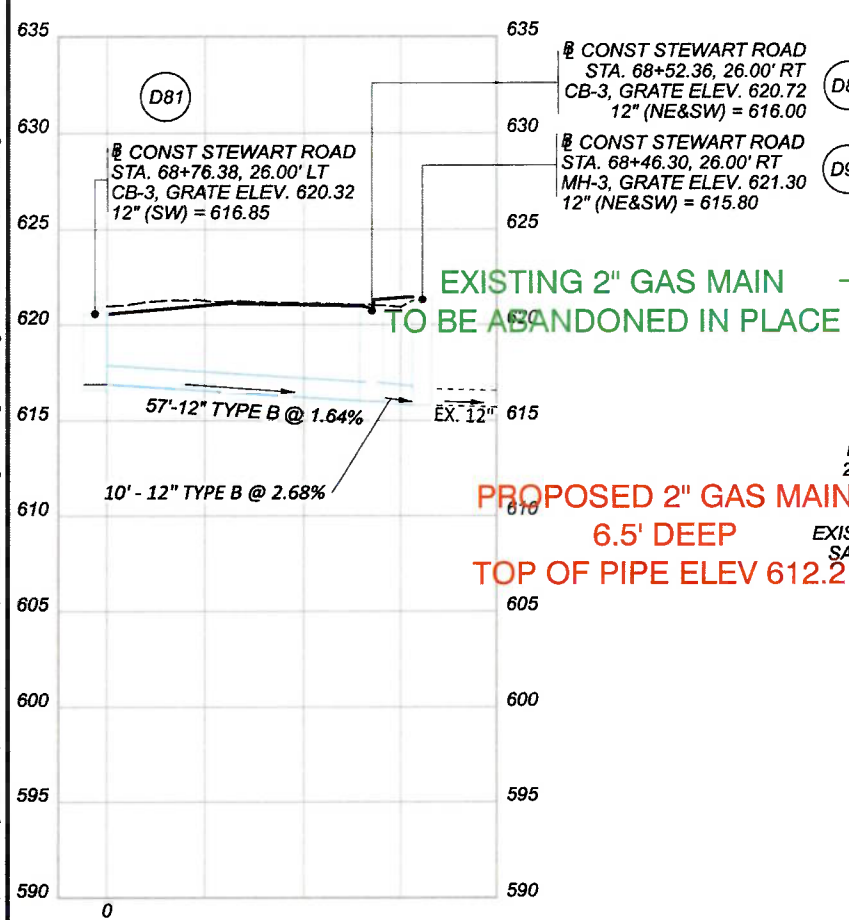
CROSS REFERENCES	
SHEET NO.	SHEET NO.
10	ROUNDBOUT GEOMETRIC LAYOUT
185189	ROUNDBOUT PROFILES
255-263	CROSS SECTIONS
286-287	INTERSECTION DETAILS
298	SPLITTER ISLAND DETAILS

ROS-159-0.41
 MODEL: BLP - STEWART - Plan 2-2 PAPER(SIZE: I (in.)) DATE: 2/16/2024 TIME: 5:41:11 PM USER: soroka
 P:\1\bn-dw-bentley.com\bn-dw-0\Documents\pr-59055\400-Engineering\Roadway\Sheets\13013_GP602.dgn

19 OF 21



CONSUMER CENTER DRIVE/STEWART ROAD/RIVER TRACE
DRAINAGE PROFILES



DESIGN AGENCY	
Palmer ENGINEERING	
8350 EAST KEMPER ROAD SUITE B CINCINNATI, OH 45249 (513) 469-1600	
DESIGNER	
DPF	
REVIEWER	
BJF 11/22/23	
PROJECT ID	
113013	
SHEET	TOTAL
323	578

PLAN - CONSUMER CENTER DRIVE
STA. 1+75.00 TO STA. 6+50.00

DESIGN AGENCY

DESIGNER

NJL

REVIEWER

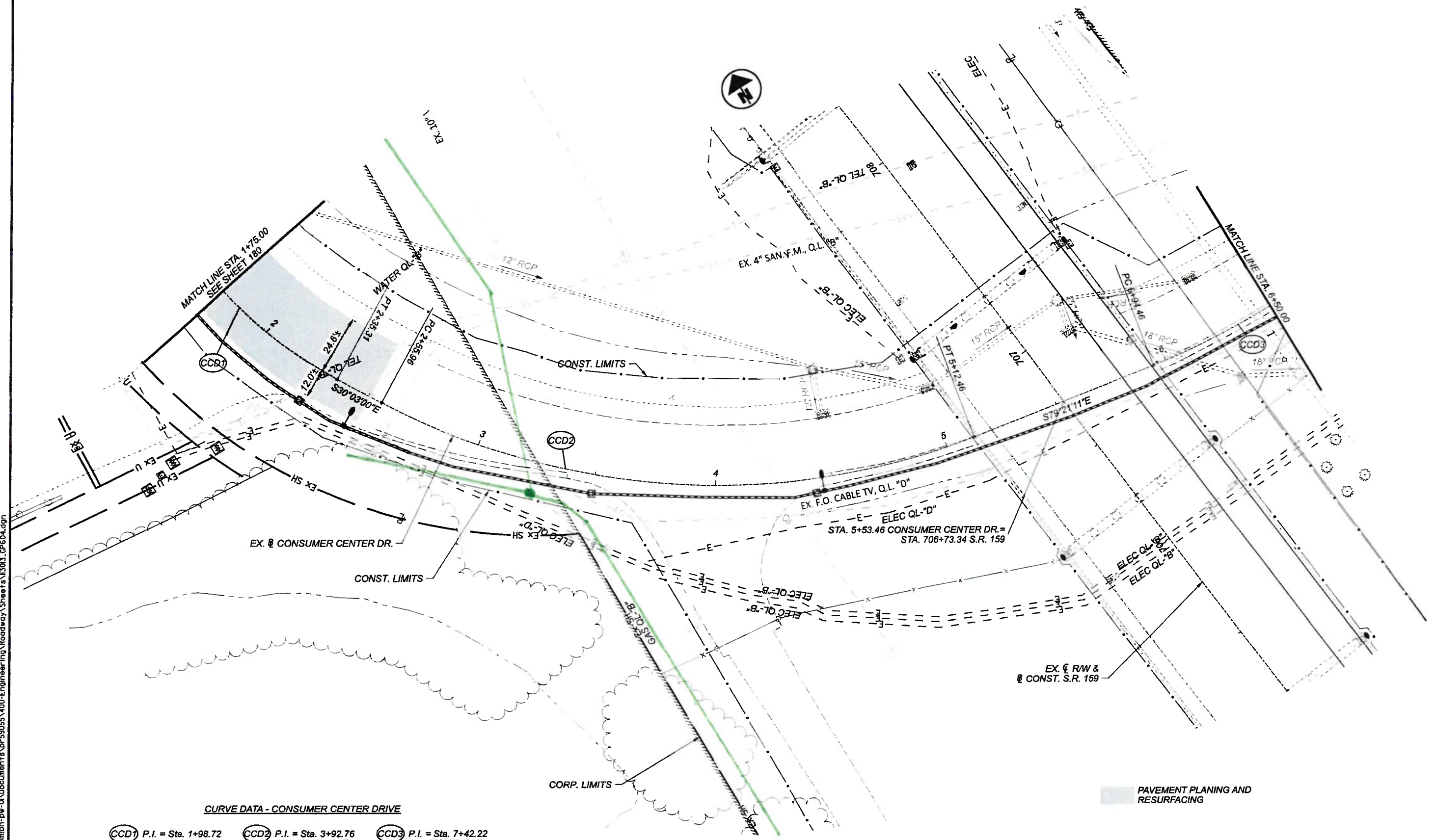
BDT 11/22/23

PROJECT ID

113013

SHEET TOTAL

182 578



CURVE DATA - CONSUMER CENTER DRIVE

<p>CCD1 P.I. = Sta. 1+98.72 $\Delta = 24^{\circ}19'49''$ LT Dc = 32'44"26" R = 175.00' T = 37.72' L = 74.31' E = 4.02'</p>	<p>CCD2 P.I. = Sta. 3+92.76 $\Delta = 49^{\circ}18'11''$ LT Dc = 19'13"18" R = 298.08' T = 136.80' L = 256.50' E = 29.89'</p>	<p>CCD3 P.I. = Sta. 7+42.22 $\Delta = 52^{\circ}28'04''$ LT Dc = 19'06"32" R = 299.84' T = 147.76' L = 274.57' E = 34.43'</p>
---	--	--

PAVEMENT PLANING AND RESURFACING

21 OF 21

ROS-159-0.41

MODEL: BLP_STEWART - Plan 4 PAPER SIZE: 11x17 (in.) DATE: 2/16/2024 TIME: 5:46:16 PM USER: sorcoka
 p:\work\ros-159-0.41\Documents\ros-159-0.41-Engineering\Roadway\Sheets\113013_CPE04.dgn