



BOARD OF COUNTY COMMISSIONERS

WARREN COUNTY, OHIO

406 Justice Drive, Lebanon, Ohio 45036

www.co.warren.oh.us

commissioners@co.warren.oh.us

Telephone (513) 695-1250

Facsimile (513) 695-2054

TOM GROSSMANN

SHANNON JONES

DAVID G. YOUNG

ENTER INTO CONTRACT WITH DOUBLE JAY CONSTRUCTION, INC. FOR THE LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT PROJECT

WHEREAS, pursuant to Resolution #20-1869, adopted December 22, 2020, this Board approved a Notice of Intent to Award Contract for the Lytle Five Points Road And Bunnell Hill Road Roundabout Project to Double Jay Construction, Inc., for a total contract price of \$1,727,284.00; and

WHEREAS, all documentation including, performance bonds, insurance certificates, etc., has been submitted by the contractor; and

NOW THEREFORE BE IT RESOLVED, to enter into contract with Double Jay Construction, Inc., for said project, for a total contract price of \$1,727,284.00; as attached hereto and made a part hereof.

Mr. Grossmann moved for adoption of the foregoing resolution being seconded by Mrs. Jones. Upon call of the roll, the following vote resulted:

Mr. Young – yea

Mrs. Jones – yea

Mr. Grossmann – yea

Resolution adopted this 12th day of January 2021.

BOARD OF COUNTY COMMISSIONERS

Tina Osborne, Clerk

KH\

cc: c/a—Double Jay Construction, Inc.

Engineer (file)

OMB Bid file



BOARD OF COUNTY COMMISSIONERS

WARREN COUNTY, OHIO

406 Justice Drive, Lebanon, Ohio 45036

www.co.warren.oh.us

commissioners@co.warren.oh.us

Telephone (513) 695-1250

Facsimile (513) 695-2054

TOM GROSSMANN

SHANNON JONES

DAVID G. YOUNG

APPROVE NOTICE OF INTENT TO AWARD BID TO DOUBLE JAY CONSTRUCTION, INC. FOR THE LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT PROJECT

WHEREAS, bids were closed at 9:15 a.m., December 8, 2020, and the bids received were opened and read aloud for the Lytle Five Points Road and Bunnell Hill Road Roundabout Project and the results are on file in the Commissioners' Office; and

WHEREAS, upon review of such bids by Neil F. Tunison, Warren County Engineer, Double Jay Construction, Inc., has been determined to be the lowest and best bidder; and

NOW THEREFORE BE IT RESOLVED, upon recommendation of Neil F. Tunison, that it is the intent of this Board to award the bid Double Jay Construction, Inc., 25 Harrisburg Drive, Englewood, Ohio, for a total contract price of \$1,727,284.00; and

BE IT FURTHER RESOLVED, that the President of the Board is hereby authorized to execute a "Notice of Intent to Award."

Mr. Grossmann moved for adoption of the foregoing resolution being seconded by Mrs. Jones. Upon call of the roll, the following vote resulted:

Mr. Young – yea

Mrs. Jones – yea

Mr. Grossmann – yea

Resolution adopted this 22nd day of December 2020.

BOARD OF COUNTY COMMISSIONERS

Tina Osborne, Clerk

KH\

cc: Engineer (file)
OMB Bid fil



**BOARD OF COUNTY COMMISSIONERS
WARREN COUNTY, OHIO**

406 Justice Drive, Lebanon, Ohio 45036

www.co.warren.oh.us

commissioners@co.warren.oh.us

Telephone (513) 695-1250

Facsimile (513) 695-2054

TOM GROSSMANN

SHANNON JONES

DAVID G. YOUNG

BID OPENING

December 08, 2020

BID OPENING – Lytle Five Points Road and Bunnell Hill Road Roundabout Project

Bids were closed at 9:15 a.m. this 9th day of June and the following bids were received, opened and read aloud for the Lytle Five Points Road and Bunnell Hill Road Roundabout Project for the Warren County Engineer's Office:

Sturn Construction Sidney, Ohio	\$ 2,044,652.23
Milcon Concrete Inc. Troy, Ohio	\$ 1,806,947.70
Rack & Ballauer Excavating Co. Inc. Hamilton, Ohio	\$ 2,427,699.90
W.G. Stang, LLC Hamilton, Ohio	\$ 1,936,049.00
R.B. Jergens Contractors Vandalia, Ohio	\$ 1,802,582.56
Double Jay Construction Englewood, Ohio	\$ 1,727,284.00
Welsh Excavation Co., Inc. Cleves, Ohio	\$ 1,873,989.65
John R. Jurgensen Co. Cincinnati, Ohio	\$ 2,058,560.50

BID OPENING
DECEMBER 8, 2020
PAGE 2

Fillmore Construction LLC Leesburg, Ohio	\$ 2,234,776.95
Ford Development Corp. Cincinnati, Ohio	\$ 1,953,033.80
Barrett Paving Materials, Inc. Middletown, Ohio	\$ 1,875,014.97

Neil Tunison, Warren County Engineer will review bids for a recommendation at a later date.

cc: Bid File

OMB

Engineers (file)

PLAN HOLDERS LIST

Lytle Five Points Road and Bunnell Hill Road Roundabout Project

Individuals or companies can be added to the plan holders list by contacting Kiana Hawk at kiana.hawk@co.warren.oh.us

Name	Company	Phone Number	E-mail Address
Lisa McNabb	W. G. Stang, LLC	513.863.6924	wgstang@cinci.rr.com
Amy Cox	Fillmore Construction, LLC	937.780.1301	amy@fillmoreconstructionllc.com
Deb Merrill	Barrett Paving Materials Inc.	513.322.0154	dmerrill@barrettpaving.com
Ryan Wheeler	R.B. Jergens Contractors, Inc.	937.286.2210	Ryan.wheeler@rbjergens.com
Ron Blair	Double Jay Construction, Inc.	937.832.3123	ron@doublejayinc.com
Drew Townsend	Welch Excavation	513.353.9014	drewt@welshexcavation.com



LOCATION MAP

LATITUDE: 39°34'05" LONGITUDE: -84°11'35"



PORTION TO BE IMPROVED	—————
INTERSTATE HIGHWAY	—————
FEDERAL ROUTES	—————
STATE ROUTES	—————
COUNTY & TOWNSHIP ROADS	—————
OTHER ROADS	—————

DESIGN DESIGNATION

	LYTLE-FIVE POINTS ROAD	BUNNELL HILL ROAD
CURRENT ADT (2018)	6,760	4,320
DESIGN YEAR ADT (2040)	8,990	5,750
DESIGN HOURLY VOLUME (2040)	785	630
DIRECTIONAL DISTRIBUTION	55%	58%
TRUCKS (24 HOUR B&C)	3%	4%
DESIGN SPEED	55 MPH	50 MPH
LEGAL SPEED	55 MPH	50 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	05 - MAJOR COLLECTOR	07 - LOCAL
NHS PROJECT	NO	

DESIGN EXCEPTIONS

NONE

UNDERGROUND UTILITIES
 Contact Two Working Days Before You Dig

OHIO811.org
 Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
 (Non-members must be called directly)

PLAN PREPARED BY:
 STRAND ASSOCIATES, INC
 615 ELSINORE PLACE, SUITE 320
 CINCINNATI, OHIO 45202

ENGINEERS SEAL:
 FOR WATER WORK ONLY

ENGINEERS SEAL:
 FOR ENTIRE PLAN EXCEPT WATER AND SANITARY SEWER

ENGINEERS SEAL:
 FOR SANITARY SEWER ONLY

LYTLE-FIVE POINTS RD (CR 46) AND BUNNELL HILL RD (TR 128) ROUNDABOUT CLEARCREEK TOWNSHIP WARREN COUNTY

INDEX OF SHEETS:

TITLE SHEET	1
SCHEMATIC PLAN	2
ROUNDABOUT GEOMETRIC LAYOUT	3
TYPICAL SECTIONS	4-8
GENERAL NOTES & DETAILS	9-13
MAINTENANCE OF TRAFFIC NOTES	14
DETOUR PLAN	15
PLAN	16-21
PROFILES	22-24
SUPPLEMENTAL PROFILES	25-27
CROSS SECTIONS	28-41
ROUNDABOUT DETAIL	42
INTERSECTION DETAIL	43
DRIVEWAY DETAIL	44
CULVERT DETAIL	45
STORM SEWER PLAN AND PROFILES	46-47
SANITARY SEWER	48-53
WATER WORK	54-61
SIGNING & PAVEMENT MARKINGS PLAN	62-66
LIGHTING PLAN	67-68
LANDSCAPING PLAN	69-70

STANDARD CONSTRUCTION DRAWINGS						SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS
BP-2.1	7/17/15	LA-1.2	1/16/09	TC-21.11	4/17/20	800-2020 10/16/20	
BP-2.2	7/18/08			TC-21.21	7/17/20	813 10/19/18	
BP-3.1	1/17/20	HL-10.11	4/17/20	TC-41.20	10/18/13	832 10/19/18	
BP-4.1	7/19/13	HL-10.12	1/20/17	TC-41.30	10/18/13	913 4/21/17	
BP-5.1	1/18/19	HL-10.13	4/17/20	TC-42.20	10/18/13		
BP-7.1	7/17/20	HL-20.11	7/17/20	TC-65.10	1/17/14		
		HL-30.11	7/17/20	TC-65.11	7/21/17		
CB-1.1	7/19/19	HL-30.22	4/17/20	TC-71.10	1/19/18		
CB-2.1	7/20/18	HL-40.10	7/17/20				
		HL-40.20	7/17/20				
DM-1.2	1/18/13	HL-50.11	1/16/15				
DM-4.2	7/20/12	HL-60.11	7/21/17				
DM-4.3	1/15/16	HL-60.12	4/17/20				
DM-4.4	1/15/16	HL-60.31	1/17/20				
RM-1.1	7/18/14	MT-101.60	1/17/20				

PROJECT DESCRIPTION

ROADWAY IMPROVEMENTS INCLUDING CONSTRUCTION OF A SINGLE-LANE ROUNDABOUT TO REPLACE THE EXISTING STOP CONTROLLED INTERSECTION AT LYTLE-FIVE POINTS ROAD AND BUNNELL HILL ROAD. REALIGNMENT OF RED LION FIVE POINTS ROAD.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 3.77 ACRES
 ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES
 NOTICE OF INTENT EARTH DISTURBED AREA: 4.02 ACRES

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

I HEREBY APPROVE THESE PLANS AND DECLARE THAT THE MAKING OF THIS IMPROVEMENT WILL REQUIRE THE CLOSING TO TRAFFIC OF THE HIGHWAY AND THAT DETOURS WILL BE PROVIDED AS INDICATED ON SHEET 15.



APPROVED _____
 DATE _____ COUNTY ENGINEER, WARREN COUNTY

APPROVED _____
 DATE _____ COMMISSIONER

APPROVED _____
 DATE _____ COMMISSIONER

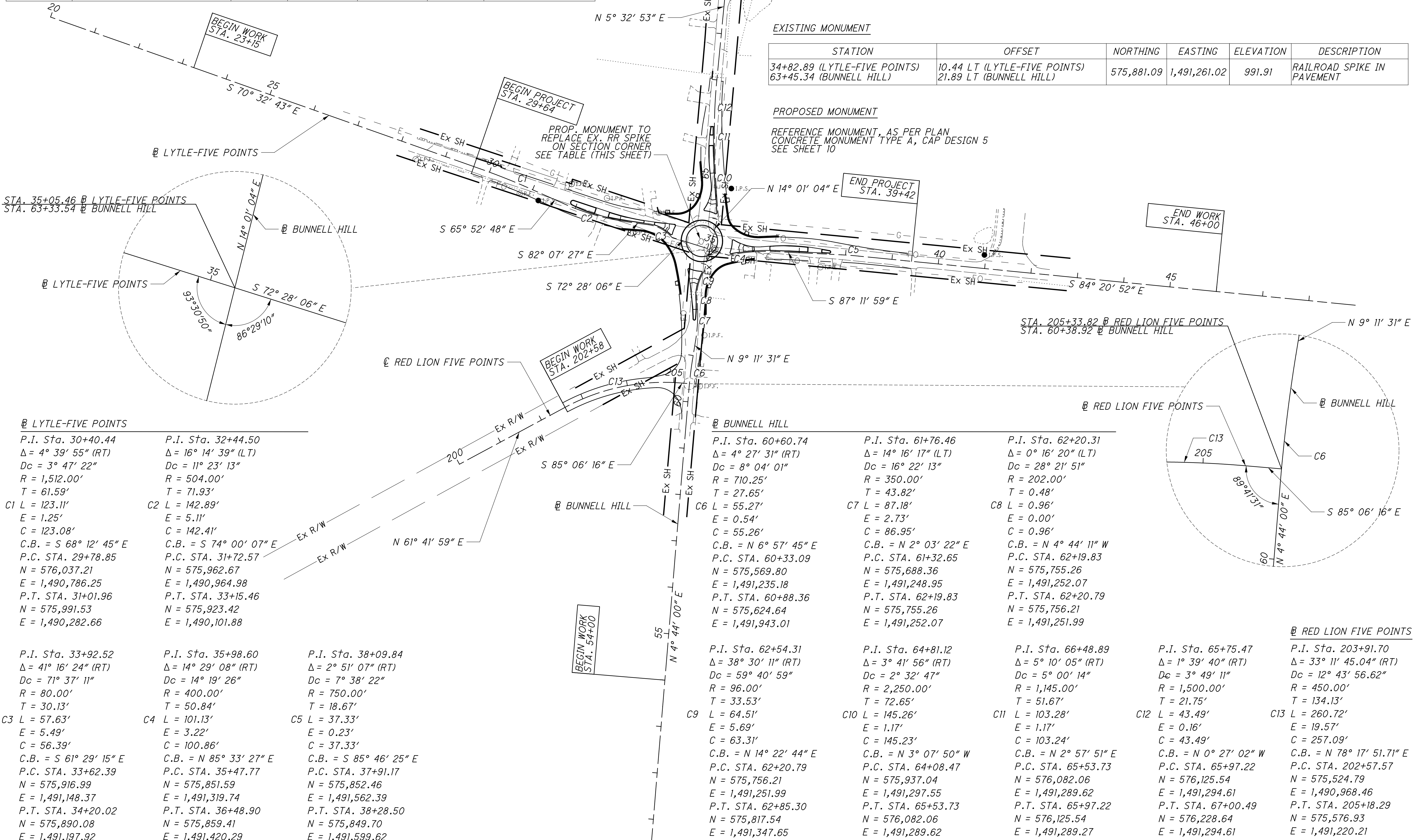
APPROVED _____
 DATE _____ COMMISSIONER

FEDERAL PROJECT NO. NONE
 CONSTRUCTION PROJECT NO. NONE
 RAILROAD INVOLVEMENT NONE
 WAR-CR46 / TR128 - ROUNDABOUT
 1/70

POINT NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP 101	40+96.66 (LYTLE-FIVE POINTS)	29.04' (LT)	575852.19	1491869.33	1002.36	IRON PIN AND CAP
CP 102	60+84.54 (BUNNELL HILL)	19.34' (LT)	575623.86	1491222.17	992.69	IRON PIN AND CAP
CP 103	31+20.61 (LYTLE-FIVE POINTS)	16.13' (RT)	575969.18	1490910.97	987.57	IRON PIN AND CAP
CP 104	64+64.53 (BUNNELL HILL)	32.36' (RT)	575994.94	1491325.67	994.26	IRON PIN AND CAP
CP 105	69+83.72 (BUNNELL HILL)	41.05' (RT)	576506.58	1491362.85	993.93	IRON PIN AND CAP

STATION	OFFSET	NORTHING	EASTING	ELEVATION	DESCRIPTION
34+82.89 (LYTLE-FIVE POINTS)	10.44 LT (LYTLE-FIVE POINTS)	575,881.09	1,491,261.02	991.91	RAILROAD SPIKE IN PAVEMENT
63+45.34 (BUNNELL HILL)	21.89 LT (BUNNELL HILL)				

PROPOSED MONUMENT
 REFERENCE MONUMENT, AS PER PLAN
 CONCRETE MONUMENT TYPE A, CAP DESIGN 5
 SEE SHEET 10



LYTLE-FIVE POINTS
 P.I. Sta. 30+40.44
 $\Delta = 4^\circ 39' 55''$ (RT)
 $D_c = 3^\circ 47' 22''$
 $R = 1,512.00'$
 $T = 61.59'$
 $C1 L = 123.11'$
 $E = 1.25'$
 $C = 123.08'$
 $C.B. = S 68^\circ 12' 45'' E$
 $P.C. STA. 29+78.85$
 $N = 576,037.21$
 $E = 1,490,786.25$
 $P.T. STA. 31+01.96$
 $N = 575,991.53$
 $E = 1,490,282.66$

BUNNELL HILL
 P.I. Sta. 32+44.50
 $\Delta = 16^\circ 14' 39''$ (LT)
 $D_c = 11^\circ 23' 13''$
 $R = 504.00'$
 $T = 71.93'$
 $C2 L = 142.89'$
 $E = 5.11'$
 $C = 142.41'$
 $C.B. = S 74^\circ 00' 07'' E$
 $P.C. STA. 31+72.57$
 $N = 575,962.67$
 $E = 1,490,964.98$
 $P.T. STA. 33+15.46$
 $N = 575,923.42$
 $E = 1,490,101.88$

BUNNELL HILL
 P.I. Sta. 38+09.84
 $\Delta = 2^\circ 51' 07''$ (RT)
 $D_c = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 50.84'$
 $C3 L = 57.63'$
 $E = 5.49'$
 $C = 56.39'$
 $C.B. = S 61^\circ 29' 15'' E$
 $P.C. STA. 33+62.39$
 $N = 575,916.99$
 $E = 1,491,148.37$
 $P.T. STA. 34+20.02$
 $N = 575,890.08$
 $E = 1,491,197.92$

BUNNELL HILL
 P.I. Sta. 35+98.60
 $\Delta = 14^\circ 29' 08''$ (RT)
 $D_c = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 50.84'$
 $C4 L = 101.13'$
 $E = 3.22'$
 $C = 100.86'$
 $C.B. = N 85^\circ 33' 27'' E$
 $P.C. STA. 35+47.77$
 $N = 575,851.59$
 $E = 1,491,319.74$
 $P.T. STA. 36+48.90$
 $N = 575,859.41$
 $E = 1,491,420.29$

BUNNELL HILL
 P.I. Sta. 60+60.74
 $\Delta = 4^\circ 27' 31''$ (RT)
 $D_c = 8^\circ 04' 01''$
 $R = 710.25'$
 $T = 27.65'$
 $C6 L = 55.27'$
 $E = 0.54'$
 $C = 55.26'$
 $C.B. = N 6^\circ 57' 45'' E$
 $P.C. STA. 60+33.09$
 $N = 575,569.80$
 $E = 1,491,235.18$
 $P.T. STA. 60+88.36$
 $N = 575,624.64$
 $E = 1,491,943.01$

BUNNELL HILL
 P.I. Sta. 61+76.46
 $\Delta = 14^\circ 16' 17''$ (LT)
 $D_c = 16^\circ 22' 13''$
 $R = 350.00'$
 $T = 43.82'$
 $C7 L = 87.18'$
 $E = 2.73'$
 $C = 86.95'$
 $C.B. = N 2^\circ 03' 22'' E$
 $P.C. STA. 61+32.65$
 $N = 575,688.36$
 $E = 1,491,248.95$
 $P.T. STA. 62+19.83$
 $N = 575,755.26$
 $E = 1,491,252.07$

BUNNELL HILL
 P.I. Sta. 62+20.31
 $\Delta = 0^\circ 16' 20''$ (LT)
 $D_c = 28^\circ 21' 51''$
 $R = 202.00'$
 $T = 0.48'$
 $C8 L = 0.96'$
 $E = 0.00'$
 $C = 0.96'$
 $C.B. = N 4^\circ 44' 11'' W$
 $P.C. STA. 62+19.83$
 $N = 575,755.26$
 $E = 1,491,252.07$
 $P.T. STA. 62+20.79$
 $N = 575,756.21$
 $E = 1,491,251.99$

RED LION FIVE POINTS
 P.I. Sta. 64+81.12
 $\Delta = 3^\circ 41' 56''$ (RT)
 $D_c = 2^\circ 32' 47''$
 $R = 2,250.00'$
 $T = 72.65'$
 $C10 L = 145.26'$
 $E = 1.17'$
 $C = 145.23'$
 $C.B. = N 3^\circ 07' 50'' W$
 $P.C. STA. 64+08.47$
 $N = 576,937.04$
 $E = 1,491,297.55$
 $P.T. STA. 65+53.73$
 $N = 576,082.06$
 $E = 1,491,289.62$

RED LION FIVE POINTS
 P.I. Sta. 66+48.89
 $\Delta = 5^\circ 10' 05''$ (RT)
 $D_c = 5^\circ 00' 14''$
 $R = 1,145.00'$
 $T = 51.67'$
 $C11 L = 43.49'$
 $E = 1.17'$
 $C = 103.24'$
 $C.B. = N 2^\circ 57' 51'' E$
 $P.C. STA. 65+53.73$
 $N = 576,125.54$
 $E = 1,491,289.27$

RED LION FIVE POINTS
 P.I. Sta. 65+75.47
 $\Delta = 1^\circ 39' 40''$ (RT)
 $D_c = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 21.75'$
 $C12 L = 21.75'$
 $E = 0.16'$
 $C = 43.49'$
 $C.B. = N 0^\circ 27' 02'' W$
 $P.C. STA. 65+97.22$
 $N = 576,125.54$
 $E = 1,491,294.61$

LYTLE-FIVE POINTS
 P.I. Sta. 33+92.52
 $\Delta = 41^\circ 16' 24''$ (RT)
 $D_c = 71^\circ 37' 11''$
 $R = 80.00'$
 $T = 30.13'$
 $C3 L = 57.63'$
 $E = 5.49'$
 $C = 56.39'$
 $C.B. = S 61^\circ 29' 15'' E$
 $P.C. STA. 33+62.39$
 $N = 575,916.99$
 $E = 1,491,148.37$
 $P.T. STA. 34+20.02$
 $N = 575,890.08$
 $E = 1,491,197.92$

BUNNELL HILL
 P.I. Sta. 35+98.60
 $\Delta = 14^\circ 29' 08''$ (RT)
 $D_c = 14^\circ 19' 26''$
 $R = 400.00'$
 $T = 50.84'$
 $C4 L = 101.13'$
 $E = 3.22'$
 $C = 100.86'$
 $C.B. = N 85^\circ 33' 27'' E$
 $P.C. STA. 35+47.77$
 $N = 575,851.59$
 $E = 1,491,319.74$
 $P.T. STA. 36+48.90$
 $N = 575,859.41$
 $E = 1,491,420.29$

BUNNELL HILL
 P.I. Sta. 38+09.84
 $\Delta = 2^\circ 51' 07''$ (RT)
 $D_c = 7^\circ 38' 22''$
 $R = 750.00'$
 $T = 18.67'$
 $C5 L = 37.33'$
 $E = 0.23'$
 $C = 37.33'$
 $C.B. = S 85^\circ 46' 25'' E$
 $P.C. STA. 37+91.17$
 $N = 575,852.46$
 $E = 1,491,562.39$
 $P.T. STA. 38+28.50$
 $N = 575,849.70$
 $E = 1,491,599.62$

BUNNELL HILL
 P.I. Sta. 62+54.31
 $\Delta = 38^\circ 30' 11''$ (RT)
 $D_c = 59^\circ 40' 59''$
 $R = 96.00'$
 $T = 33.53'$
 $C9 L = 64.51'$
 $E = 5.69'$
 $C = 63.31'$
 $C.B. = N 14^\circ 22' 44'' E$
 $P.C. STA. 62+20.79$
 $N = 575,756.21$
 $E = 1,491,251.99$
 $P.T. STA. 62+85.30$
 $N = 575,817.54$
 $E = 1,491,347.65$

BUNNELL HILL
 P.I. Sta. 64+81.12
 $\Delta = 3^\circ 41' 56''$ (RT)
 $D_c = 2^\circ 32' 47''$
 $R = 2,250.00'$
 $T = 72.65'$
 $C10 L = 145.26'$
 $E = 1.17'$
 $C = 145.23'$
 $C.B. = N 3^\circ 07' 50'' W$
 $P.C. STA. 64+08.47$
 $N = 576,937.04$
 $E = 1,491,297.55$
 $P.T. STA. 65+53.73$
 $N = 576,082.06$
 $E = 1,491,289.62$

RED LION FIVE POINTS
 P.I. Sta. 66+48.89
 $\Delta = 5^\circ 10' 05''$ (RT)
 $D_c = 5^\circ 00' 14''$
 $R = 1,145.00'$
 $T = 51.67'$
 $C11 L = 43.49'$
 $E = 1.17'$
 $C = 103.24'$
 $C.B. = N 2^\circ 57' 51'' E$
 $P.C. STA. 65+53.73$
 $N = 576,125.54$
 $E = 1,491,289.27$

RED LION FIVE POINTS
 P.I. Sta. 65+75.47
 $\Delta = 1^\circ 39' 40''$ (RT)
 $D_c = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 21.75'$
 $C12 L = 21.75'$
 $E = 0.16'$
 $C = 43.49'$
 $C.B. = N 0^\circ 27' 02'' W$
 $P.C. STA. 65+97.22$
 $N = 576,125.54$
 $E = 1,491,294.61$

RED LION FIVE POINTS
 P.I. Sta. 203+91.70
 $\Delta = 33^\circ 11' 45.04''$ (RT)
 $D_c = 12^\circ 43' 56.62''$
 $R = 450.00'$
 $T = 134.13'$
 $C13 L = 260.72'$
 $E = 19.57'$
 $C = 257.09'$
 $C.B. = N 78^\circ 17' 51.71'' E$
 $P.C. STA. 202+57.57$
 $N = 575,524.79$
 $E = 1,490,968.46$
 $P.T. STA. 205+18.29$
 $N = 575,576.93$
 $E = 1,491,220.21$

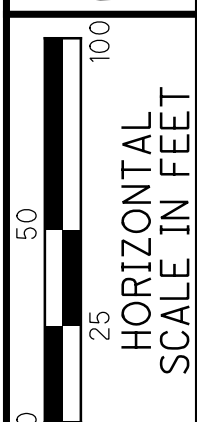
NOTE: SEE GEOMETRIC LAYOUT SHEET FOR SUPPLEMENTARY ALIGNMENT DATA.

WAR-CR46 / TR128 - ROUNDABOUT

SCHEMATIC PLAN
LYTLE-FIVE POINTS RD AND BUNNELL HILL RD

CALCULATED: CJR
 CHECKED: JCH

2
70



CALCULATED
CJR
CHECKED
JCH

GEOMETRIC LAYOUT
LYTLE-FIVE POINTS RD AND BUNNELL HILL RD

WAR-CR46 / TR128 -
ROUNDAABOUT

R CIRCLE	
P.I. Sta. 10+00.00	
$\Delta = 360^\circ 00' 00''$ (LT)	
Dc = 127' 19' 26"	
R = 45.00'	
T = 0.00'	
L = 282.74'	
E = 90.00'	
C = 0.00'	
C.B. = N 0° 00' 00" E	
P.C. = 10+00.00	
N = 575,838.18	
E = 1,491,253.71	
P.T. = 12+82.74	
N = 575,908.61	
E = 1,491,253.71	

R R1	
P.I. Sta. 81+22.50	
$\Delta = 10^\circ 10' 38''$ (LT)	
Dc = 11' 24' 49"	
R = 502.00'	
T = 44.70'	
L = 89.17'	
E = 1.99'	
C = 89.05'	
C.B. = S 76° 42' 57" E	
P.C. = 80+77.80	
N = 575,945.12	
E = 1,491,061.17	
P.T. = 81+66.97	
N = 575,924.66	
E = 1,491,147.84	

P.I. Sta. 81+97.23	
$\Delta = 3^\circ 15' 09''$ (LT)	
Dc = 5' 22' 29"	
R = 1,066.05'	
T = 30.27'	
L = 60.52'	
E = 0.43'	
C = 60.51'	
C.B. = S 83° 25' 50" E	
P.C. = 81+66.97	
N = 575,924.66	
E = 1,491,147.84	
P.T. = 82+27.48	
N = 575,917.73	
E = 1,491,299.81	

R R2	
P.I. Sta. 90+34.94	
$\Delta = 39^\circ 14' 36''$ (LT)	
Dc = 58' 27' 54"	
R = 98.00'	
T = 34.94'	
L = 67.12'	
E = 6.04'	
C = 65.82'	
C.B. = S 74° 35' 11" E	
P.C. = 90+00.00	
N = 575,887.20	
E = 1,491,327.28	
P.T. = 90+67.12	
N = 575,869.70	
E = 1,491,390.73	

P.I. Sta. 90+89.89	
$\Delta = 0^\circ 44' 40''$ (RT)	
Dc = 11' 30' 19"	
R = 498.00'	
T = 3.24'	
L = 6.47'	
E = 0.01'	
C = 6.47'	
C.B. = N 86° 09' 51" E	
P.C. = 90+89.89	
N = 575,871.14	
E = 1,491,410.21	
P.T. = 90+93.13	
N = 575,871.57	
E = 1,491,416.67	

R R3	
P.I. Sta. 100+55.71	
$\Delta = 8^\circ 28' 25''$ (LT)	
Dc = 7' 37' 09"	
R = 752.00'	
T = 55.71'	
L = 111.22'	
E = 2.06'	
C = 111.11'	
C.B. = N 6° 08' 41" W	
P.C. = 100+00.00	
N = 575,714.78	
E = 1,491,243.23	
P.T. = 101+11.22	
N = 575,825.26	
E = 1,491,231.34	

R R4	
P.I. Sta. 110+34.09	
$\Delta = 45^\circ 09' 00''$ (LT)	
Dc = 69' 52' 22"	
R = 82.00'	
T = 34.09'	
L = 64.62'	
E = 6.80'	
C = 62.96'	
C.B. = N 16° 23' 00" E	
P.C. = 110+00.00	
N = 575,947.30	
E = 1,491,264.33	
P.T. = 110+64.62	
N = 576,007.70	
E = 1,491,282.09	

P.I. Sta. 111+37.86	
$\Delta = 15^\circ 05' 08''$ (RT)	
Dc = 16' 27' 51"	
R = 348.00'	
T = 46.08'	
L = 91.63'	
E = 3.04'	
C = 91.36'	
C.B. = N 1° 21' 04" E	
P.C. = 110+91.78	
N = 576,034.70	
E = 1,491,279.16	
P.T. = 111+83.40	
N = 576,126.04	
E = 1,491,281.31	

INSCRIBED CIRCLE DIAMETER = 130 FEET

P.I. Sta. 91+35.24	
$\Delta = 12^\circ 01' 09''$ (RT)	
Dc = 14' 19' 26"	
R = 400.00'	
T = 42.11'	
L = 83.91'	
E = 2.21'	
C = 83.76'	
C.B. = S 87° 27' 14" E	
P.C.C. = 90+93.13	
N = 575,871.57	
E = 1,491,416.67	
P.T. = 91+77.04	
N = 575,867.85	
E = 1,491,500.34	

P.I. Sta. 91+95.67	
$\Delta = 1^\circ 57' 44''$ (RT)	
Dc = 5' 16' 00"	
R = 1,087.88'	
T = 18.63'	
L = 37.25'	
E = 0.16'	
C = 37.25'	
C.B. = S 80° 27' 48" E	
P.C.C. = 91+77.04	
N = 575,867.85	
E = 1,491,500.34	
P.T. = 92+14.29	
N = 575,861.68	
E = 1,491,537.08	

R R5	
P.I. Sta. 120+74.97	
$\Delta = 48^\circ 18' 02''$ (RT)	
Dc = 79' 44' 12"	
R = 78.00'	
T = 34.97'	
L = 60.58'	
E = 7.48'	
C = 63.82'	
C.B. = S 61° 18' 17" E	
P.C. = 120+40.00	
N = 575,905.58	
E = 1,491,131.04	
P.T. = 121+00.58	
N = 575,874.93	
E = 1,491,187.03	

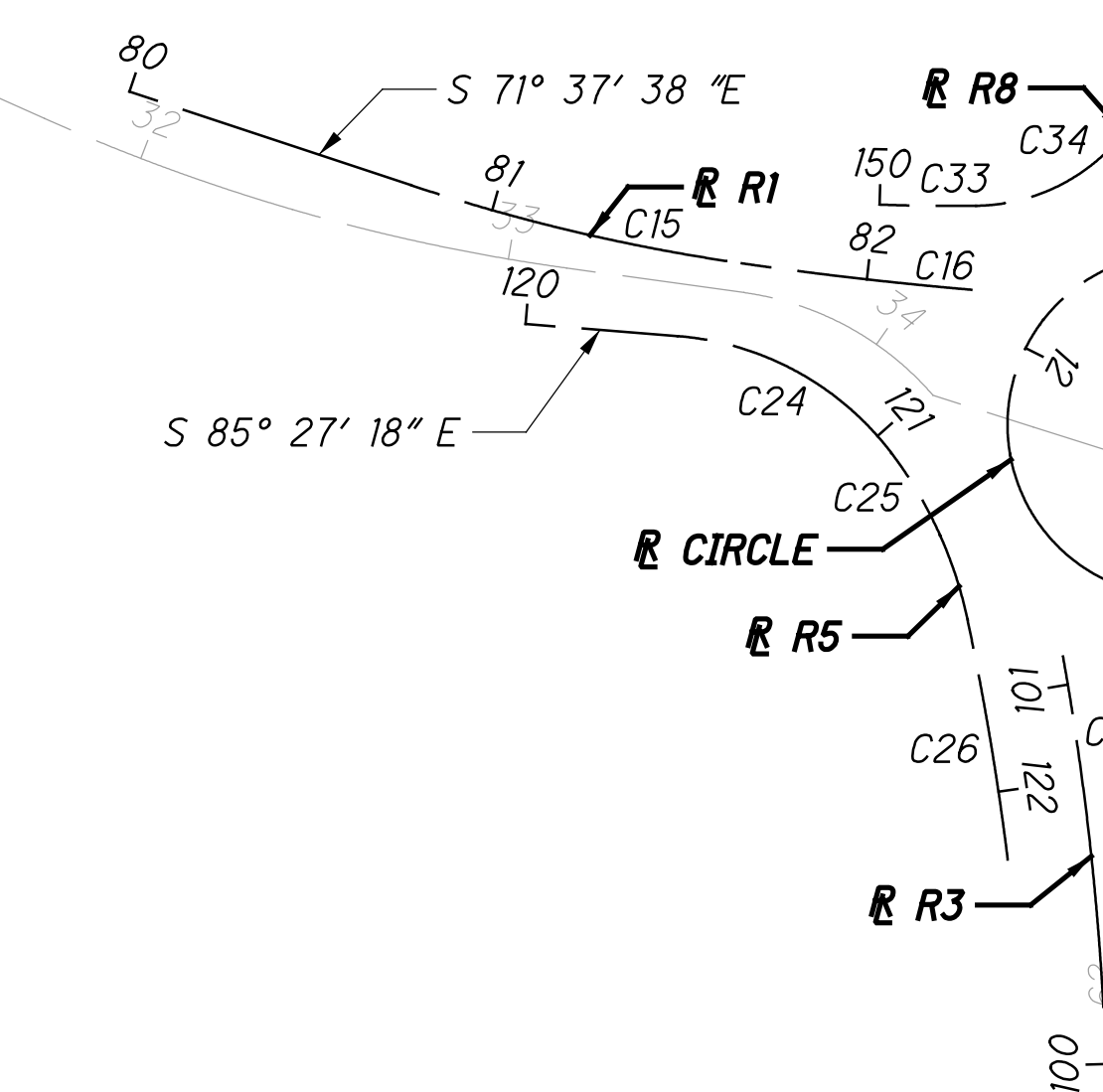
P.I. Sta. 121+25.16	
$\Delta = 25^\circ 11' 34''$ (RT)	
Dc = 54' 04' 17"	
R = 110.00'	
T = 24.58'	
L = 46.59'	
E = 2.71'	
C = 47.98'	
C.B. = S 24° 33' 30" E	
P.C.C. = 121+00.58	
N = 575,874.93	
E = 1,491,187.03	
P.T. = 121+47.17	
N = 575,831.30	
E = 1,491,206.97	

P.I. Sta. 121+79.08	
$\Delta = 4^\circ 52' 23''$ (RT)	
Dc = 7' 38' 42"	
R = 750.00'	
T = 31.91'	
L = 63.74'	
E = 0.68'	
C = 63.77'	
C.B. = S 9° 31' 31" E	
P.C.C. = 121+47.17	
N = 575,831.30	
E = 1,491,206.97	
P.T. = 122+10.91	
N = 575,768.41	
E = 1,491,217.52	

R R6	
P.I. Sta. 130+71.85	
$\Delta = 44^\circ 25' 27''$ (RT)	
Dc = 73' 27' 22"	
R = 78.00'	
T = 31.85'	
L = 60.48'	
E = 6.25'	
C = 58.97'	
C.B. = N 22° 18' 49" E	
P.C. = 130+40.00	
N = 575,764.51	
E = 1,491,269.65	
P.T. = 131+00.48	
N = 575,819.07	
E = 1,491,292.04	

P.I. Sta. 131+15.56	
$\Delta = 30^\circ 39' 57''$ (RT)	
Dc = 104' 10' 27"	
R = 55.00'	
T = 15.08'	
L = 29.44'	
E = 2.03'	
C = 29.09'	
C.B. = N 59° 51' 31" E	
P.C.C. = 131+00.48	
N = 575,819.07	
E = 1,491,317.19	
P.T. = 131+29.91	
N = 575,833.67	
E = 1,491,317.19	

P.I. Sta. 131+58.88	
$\Delta = 8^\circ 17' 05''$ (RT)	
Dc = 14' 19' 26"	
R = 400.00'	
T = 28.97'	
L = 57.84'	
E = 1.05'	
C = 57.79'	
C.B. = N 79° 20' 03" E	
P.C.C. = 131+29.91	
N = 575,833.67	
E = 1,491,317.19	
P.T. = 131+87.75	
N = 575,844.37	
E = 1,491,419.43	



R R8	
P.I. Sta. 150+12.67	
$\Delta = 2^\circ 54' 12''$ (LT)	
Dc = 11' 27' 33"	
R = 500.00'	
T = 12.67'	
L = 25.34'	
E = 0.16'	
C = 25.33'	
C.B. = S 89° 17' 35" E	
P.C. = 150+00.00	
N = 575,940.06	
E = 1,491,183.92	
P.T. = 150+25.34	
N = 575,939.74	
E = 1,491,209.25	

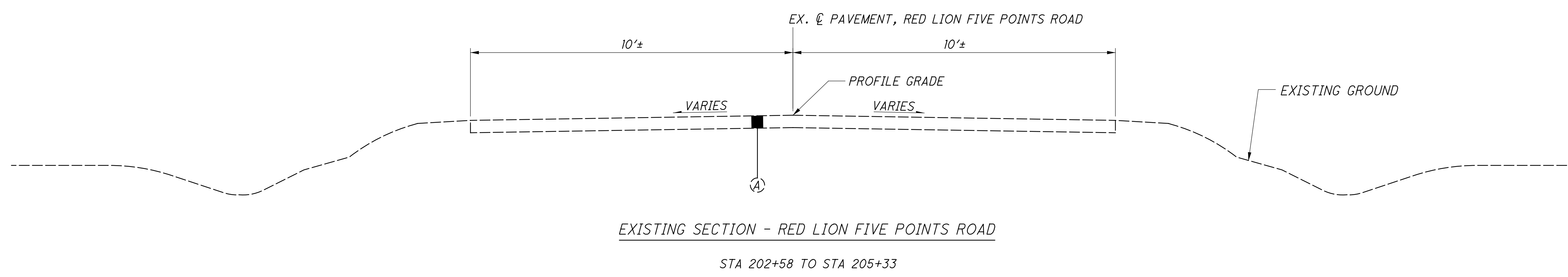
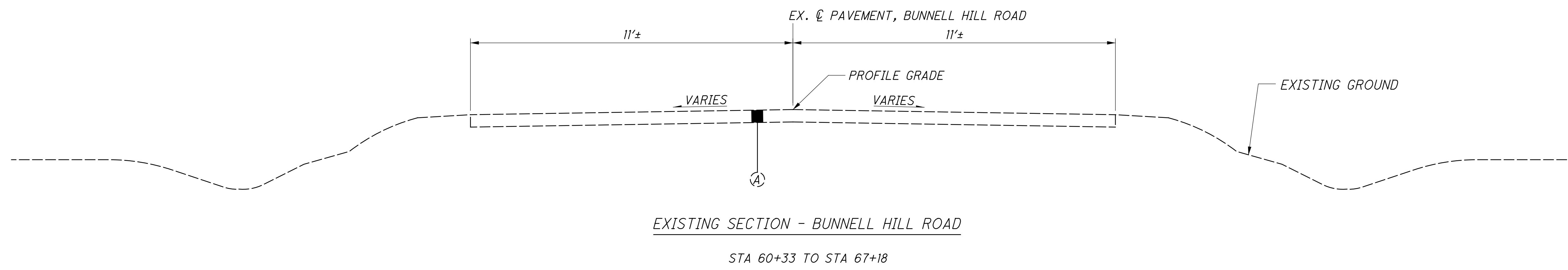
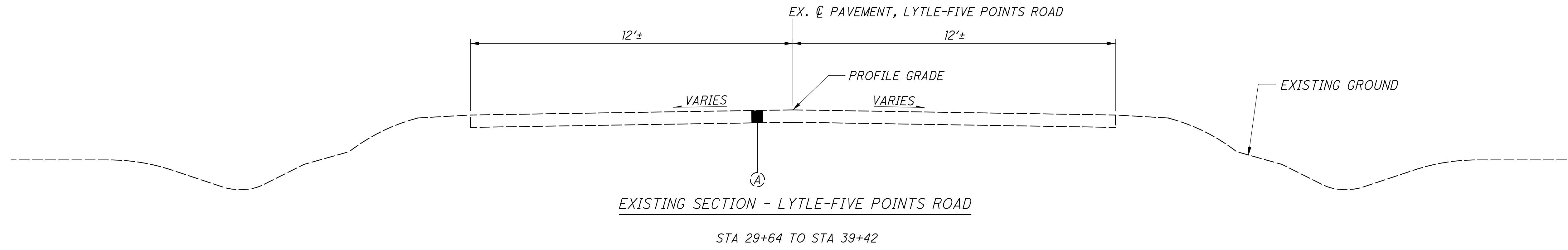
P.I. Sta. 150+50.68	
$\Delta = 53^\circ 45' 29''$ (LT)	
Dc = 114' 35' 30"	
R = 50.00'	
T = 25.34'	
L = 46.91'	
E = 6.06'	
C = 45.21'	
C.B. = N 62° 22' 35" E	
P.C.C. = 150+25.34	
N = 575,939.74	
E = 1,491,209.25	
P.T. = 150+72.25	
N = 575,960.71	
E = 1,491,249.31	

P.I. Sta. 151+00.90	
$\Delta = 40^\circ 20' 00''$ (LT)	
Dc = 73' 27' 22"	
R = 78.00'	
T = 28.65'	
L = 54.91'	
E = 5.09'	
C = 53.78'	
C.B. = N 15° 19' 50" E	
P.C.C. = 150+72.25	
N = 575,960.71	
E = 1,491,249.31	
P.T. = 151+27.16	
N = 576,012.57	
E = 1,491,263.53	

NOTE: SEE SCHEMATIC PLAN FOR @ LYTLE-FIVE POINTS AND @ BUNNELL HILL DATA.

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Geometric Layout Sheet.dgn 11/2/2020 9:57:36 AM carlr

S:\CIN\3800--3899\Drawings\CAD\Sheets\Typical Sections_1.dgn 11/2/2020 9:57:37 AM corir

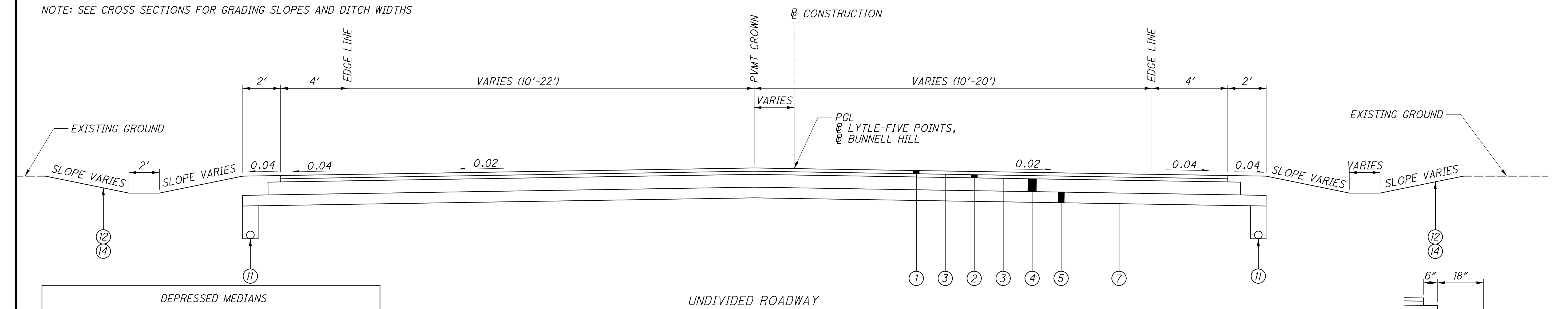


- | | | | |
|--|--|--|--|
| ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 | ⑥ ITEM 609 - CURB, TYPE 3-B | ⑩ ITEM 609 - CURB, TYPE 3-B, AS PER PLAN | ⑭ ITEM 659 - SEEDING AND MULCHING |
| ② ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) | ⑦ ITEM 204 - SUBGRADE COMPACTION | ⑪ ITEM 605 - 6" BASE PIPE UNDERDRAINS | ⑮ ITEM 452 - 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 |
| ③ ITEM 407 - NON-TRACKING TACK COAT | ⑧ ITEM 609 - CURB, TYPE 6 | ⑫ ITEM 659 - TOPSOIL | ⑯ ITEM 609 - CONCRETE MEDIAN |
| ④ ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22 | ⑨ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2 | ⑬ ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN | Ⓐ EX. ASPHALT PAVEMENT (DEPTH UNKNOWN) |
| ⑤ ITEM 304 - 6" AGGREGATE BASE | | | |

TYPICAL SECTIONS

WAR-CR46 / TR128 - ROUNDABOUT

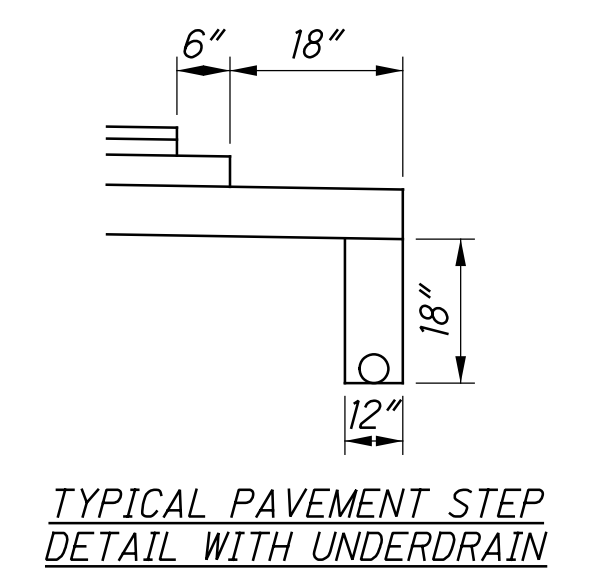
NOTE: SEE CROSS SECTIONS FOR GRADING SLOPES AND DITCH WIDTHS



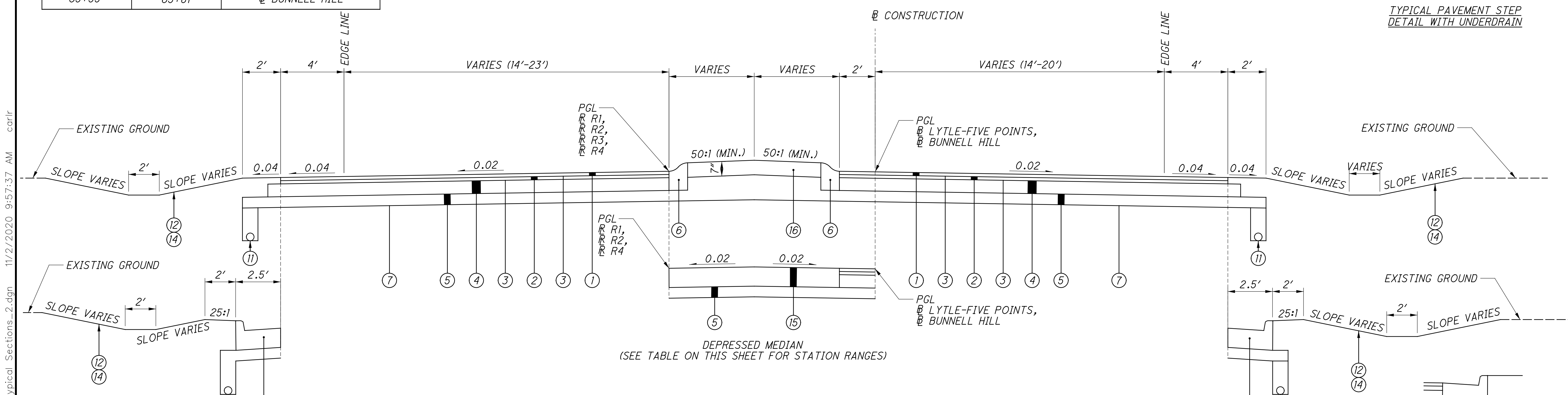
DEPRESSED MEDIANS		
FROM STA.	TO STA.	ALIGNMENT
32+43	32+73	@ LYTLE-FIVE POINTS
37+19	37+48	@ LYTLE-FIVE POINTS
65+59	65+81	@ BUNNELL HILL

UNDIVIDED ROADWAY

STA. 29+64 TO STA. 31+85 (@ LYTLE-FIVE POINTS)
 STA. 37+68 TO STA. 39+42 (@ LYTLE-FIVE POINTS)
 STA. 60+33 TO STA. 61+76 (@ BUNNELL HILL)
 STA. 66+00 TO STA. 67+08 (@ BUNNELL HILL)



TYPICAL PAVEMENT STEP
DETAIL WITH UNDERDRAIN

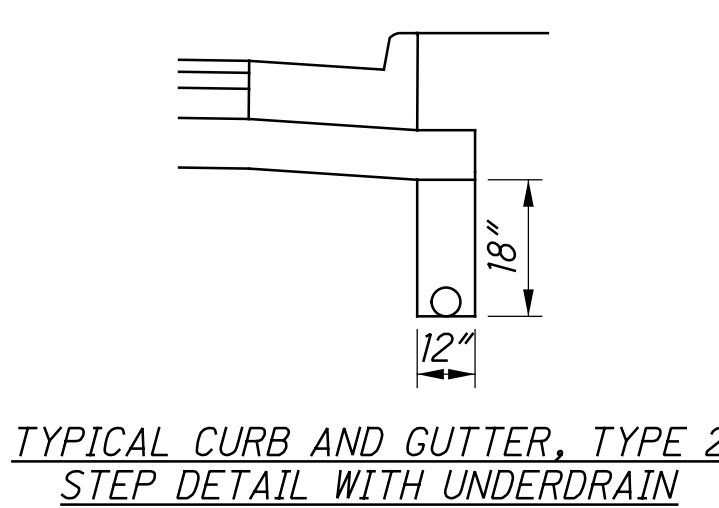


LEFT CURB
 * WEST LEG CURB BEGINS AT STA. 33+85.53 (@ LYTLE-FIVE POINTS)
 EAST LEG CURB ENDS AT STA. 36+53.76 (@ LYTLE-FIVE POINTS)
 SOUTH LEG CURB BEGINS AT STA. 62+37.04 (@ BUNNELL HILL)
 NORTH LEG CURB ENDS AT STA. 65+25.15 (@ BUNNELL HILL)

DIVIDED ROADWAY

STA. 31+85 TO STA. 33+20 (@ LYTLE-FIVE POINTS)
 STA. 36+68 TO STA. 37+68 (@ LYTLE-FIVE POINTS)
 STA. 61+76 TO STA. 62+16 (@ BUNNELL HILL)
 STA. 65+27 TO STA. 66+00 (@ BUNNELL HILL)

RIGHT CURB
 * WEST LEG CURB BEGINS AT STA. 33+07.12 (@ LYTLE-FIVE POINTS)
 EAST LEG CURB ENDS AT STA. 36+01.54 (@ LYTLE-FIVE POINTS)
 SOUTH LEG CURB BEGINS AT STA. 61+89.03 (@ BUNNELL HILL)
 NORTH LEG CURB ENDS AT STA. 64+53.42 (@ BUNNELL HILL)



TYPICAL CURB AND GUTTER, TYPE 2
STEP DETAIL WITH UNDERDRAIN

- ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ③ ITEM 407 - NON-TRACKING TACK COAT
- ④ ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 609 - CURB, TYPE 3-B
- ⑦ ITEM 204 - SUBGRADE COMPACTION
- ⑧ ITEM 609 - CURB, TYPE 6
- ⑨ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑩ ITEM 609 - CURB, TYPE 3-B, AS PER PLAN
- ⑪ ITEM 605 - 6" BASE PIPE UNDERDRAINS
- ⑫ ITEM 659 - TOPSOIL
- ⑬ ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- ⑭ ITEM 659 - SEEDING AND MULCHING
- ⑮ ITEM 452 - 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1
- ⑯ ITEM 609 - CONCRETE MEDIAN
- Ⓐ EX. ASPHALT PAVEMENT (DEPTH UNKNOWN)

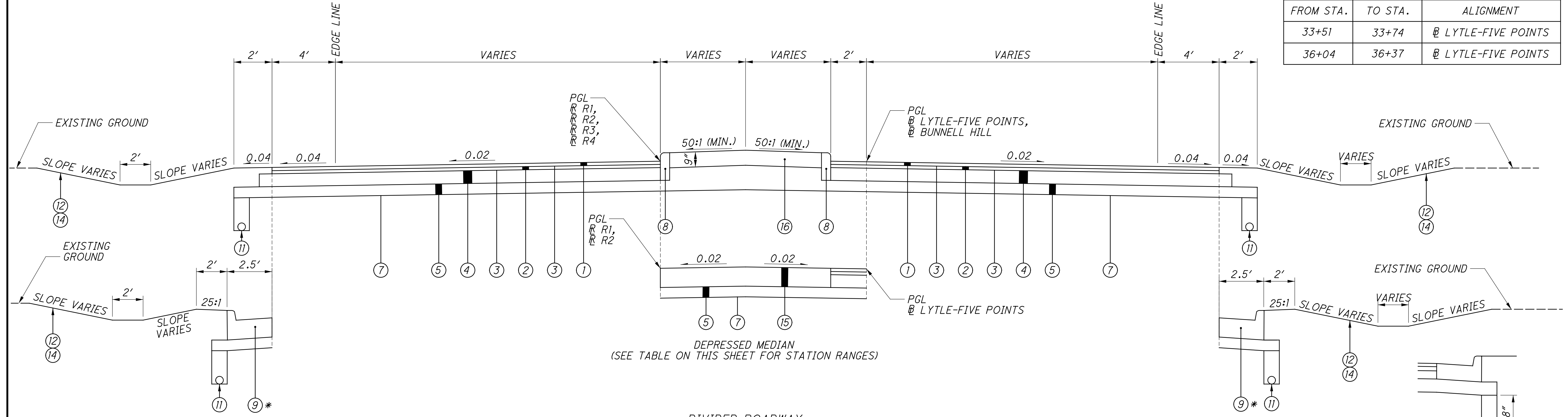
TYPICAL SECTIONS

WAR-CR46 / TR128 -
ROUNDAABOUT

S:\CIN\3800--3899\Drawings\CAD\Sheets\Typical Sections_2.dgn 11/2/2020 9:57:37 AM carlr

NOTE: SEE CROSS SECTIONS FOR GRADING SLOPES AND DITCH WIDTHS

DEPRESSED MEDIANS		
FROM STA.	TO STA.	ALIGNMENT
33+51	33+74	@ LYTLE-FIVE POINTS
36+04	36+37	@ LYTLE-FIVE POINTS



DEPRESSED MEDIAN
(SEE TABLE ON THIS SHEET FOR STATION RANGES)

DIVIDED ROADWAY

LEFT CURB

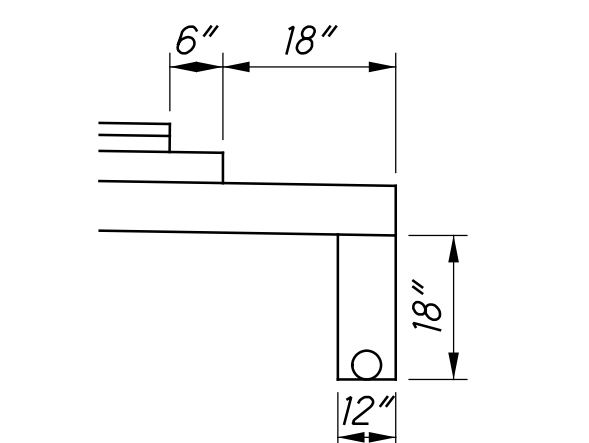
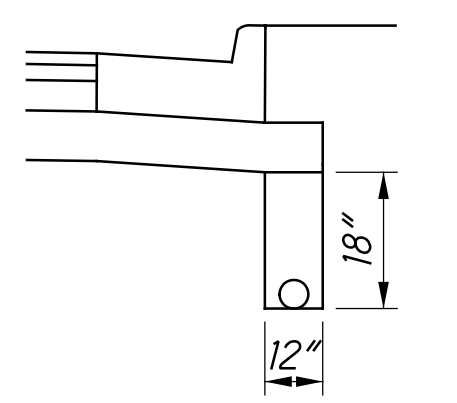
- * WEST LEG CURB BEGINS AT STA. 33+85.53 (@ LYTLE-FIVE POINTS)
- EAST LEG CURB ENDS AT STA. 36+53.76 (@ LYTLE-FIVE POINTS)
- SOUTH LEG CURB BEGINS AT STA. 62+37.04 (@ BUNNELL HILL)
- NORTH LEG CURB ENDS AT STA. 65+25.15 (@ BUNNELL HILL)

- STA. 33+20 TO STA. 34+16 (@ LYTLE-FIVE POINTS)
- OMIT STA. 34+16 TO STA. 35+52 FOR CIRCULATING ROADWAY
- STA. 35+52 TO STA. 36+68 (@ LYTLE-FIVE POINTS)
- STA. 62+16 TO STA. 62+81 (@ BUNNELL HILL)
- OMIT STA. 62+81 TO STA. 64+12 FOR CIRCULATING ROADWAY
- STA. 64+12 TO STA. 65+27 (@ BUNNELL HILL)

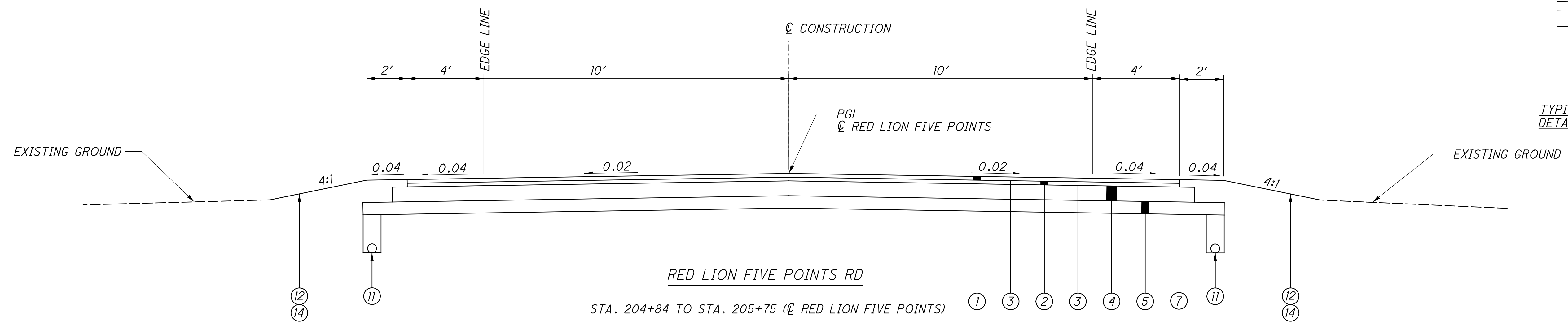
RIGHT CURB

- * WEST LEG CURB BEGINS AT STA. 33+07.12 (@ LYTLE-FIVE POINTS)
- EAST LEG CURB ENDS AT STA. 36+01.54 (@ LYTLE-FIVE POINTS)
- SOUTH LEG CURB BEGINS AT STA. 61+89.03 (@ BUNNELL HILL)
- NORTH LEG CURB ENDS AT STA. 64+53.42 (@ BUNNELL HILL)

TYPICAL CURB AND GUTTER, TYPE 2
STEP DETAIL WITH UNDERDRAIN



TYPICAL PAVEMENT STEP
DETAIL WITH UNDERDRAIN



RED LION FIVE POINTS RD

STA. 204+84 TO STA. 205+75 (@ RED LION FIVE POINTS)

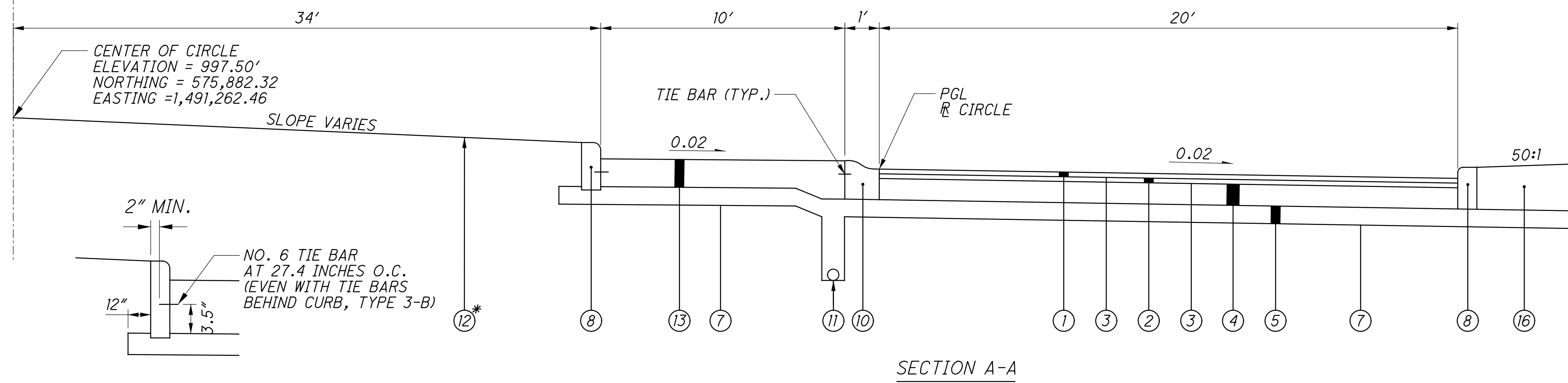
- | | | | |
|--|--|--|--|
| ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 | ⑥ ITEM 609 - CURB, TYPE 3-B | ⑩ ITEM 609 - CURB, TYPE 3-B, AS PER PLAN | ⑭ ITEM 659 - SEEDING AND MULCHING |
| ② ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) | ⑦ ITEM 204 - SUBGRADE COMPACTION | ⑪ ITEM 605 - 6" BASE PIPE UNDERDRAINS | ⑮ ITEM 452 - 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 |
| ③ ITEM 407 - NON-TRACKING TACK COAT | ⑧ ITEM 609 - CURB, TYPE 6 | ⑫ ITEM 659 - TOPSOIL | ⑯ ITEM 609 - CONCRETE MEDIAN |
| ④ ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22 | ⑨ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2 | ⑬ ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN | Ⓐ EX. ASPHALT PAVEMENT (DEPTH UNKNOWN) |
| ⑤ ITEM 304 - 6" AGGREGATE BASE | | | |

TYPICAL SECTIONS

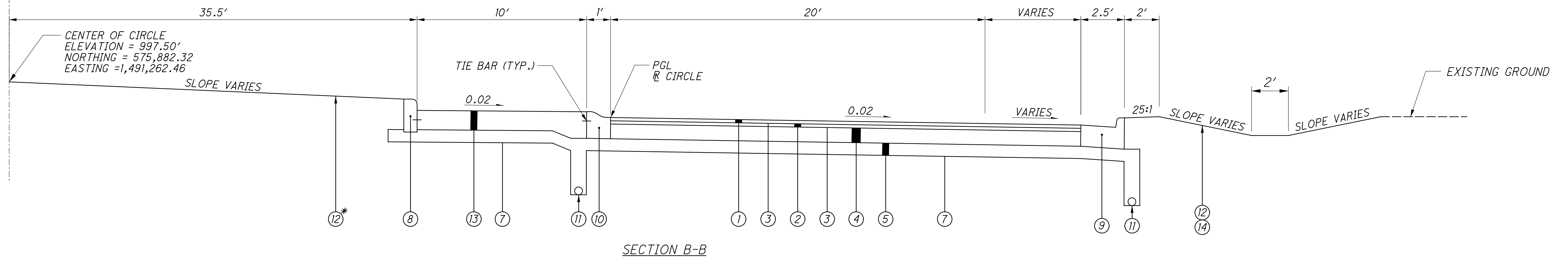
WAR-CR46 / TR128 -
ROUNDAABOUT

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Typical Sections_3.dgn 11/2/2020 9:57:38 AM carlr

NOTE: SEE CROSS SECTIONS FOR GRADING SLOPES AND DITCH WIDTHS

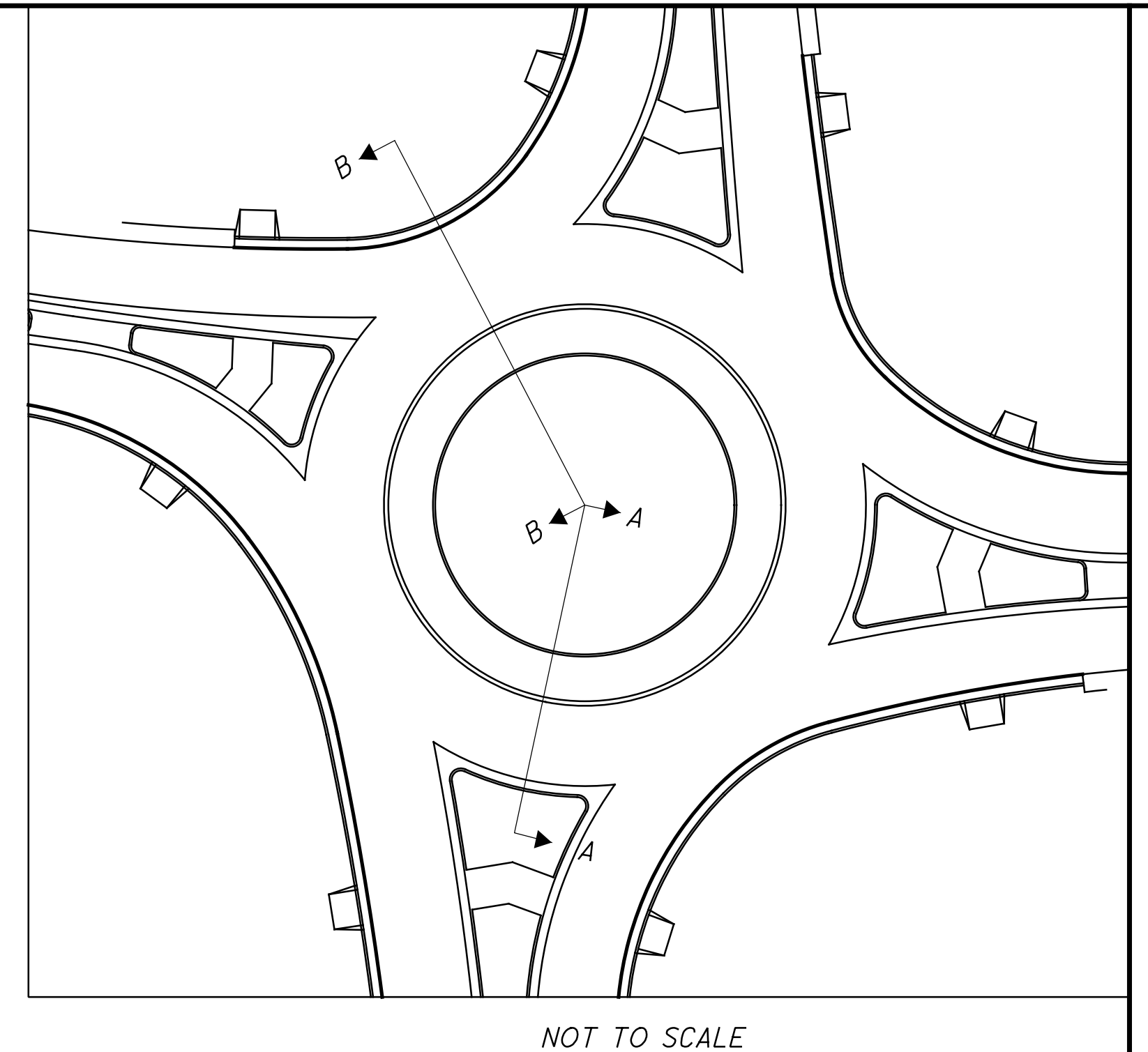


TYPICAL CURB, TYPE 6
ADJACENT TO TRUCK APRON



* SEE LANDSCAPE PLAN SHEETS

- | | | | |
|--|--|--|--|
| ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 | ⑥ ITEM 609 - CURB, TYPE 3-B | ⑩ ITEM 609 - CURB, TYPE 3-B, AS PER PLAN | ⑭ ITEM 659 - SEEDING AND MULCHING |
| ② ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) | ⑦ ITEM 204 - SUBGRADE COMPACTION | ⑪ ITEM 605 - 6" BASE PIPE UNDERDRAINS | ⑮ ITEM 452 - 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1 |
| ③ ITEM 407 - NON-TRACKING TACK COAT | ⑧ ITEM 609 - CURB, TYPE 6 | ⑫ ITEM 659 - TOPSOIL | ⑯ ITEM 609 - CONCRETE MEDIAN |
| ④ ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22 | ⑨ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2 | ⑬ ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN | Ⓐ EX. ASPHALT PAVEMENT (DEPTH UNKNOWN) |
| ⑤ ITEM 304 - 6" AGGREGATE BASE | | | |



NOT TO SCALE

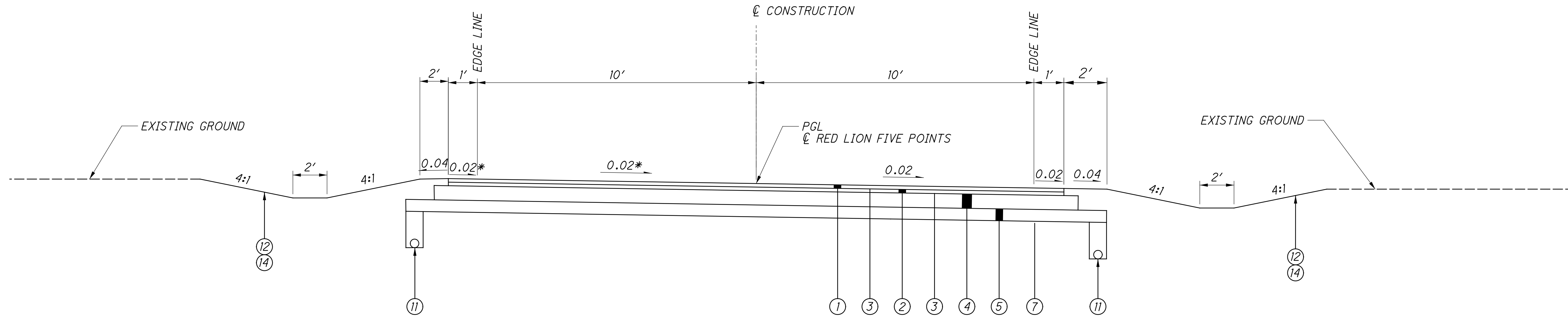
TYPICAL SECTIONS

WAR-CR46 / TR128 -
ROUNDAABOUT

7
70

NOTE: SEE CROSS SECTIONS FOR GRADING SLOPES AND DITCH WIDTHS

* SEE CROSS SLOPE TRANSITION TABLE (THIS SHEET)



CROSS SLOPE TRANSITION TABLE

P.I. STATION 203+91.70
Dc = 12° 43' 56.62"

LEFT SIDE					CENTERLINE CONTROL	
EDGE ELEVATION	TRANSITION RATE	ELEVATION CORRECTION	CROSS SLOPE	WIDTH	STATION	PROFILE GRADE
990.42#	↑	-0.4400	-0.0400#	11.00	202+57	989.98#
990.75		-0.3182	-0.0289	11.00	202+75	990.43
991.22		-0.1489	-0.0135	11.00	203+00	991.08
991.64	1/3:1	0.0000	0.0000	11.00	203+22	991.64
991.71	1/4:1	0.0102	0.0009	11.00	203+25	991.72
992.25		0.0948	0.0086	11.00	203+50	992.35
992.73		0.1794	0.0163	11.00	203+75	992.91
992.93	↓	0.2200	0.0200	11.00	203+87	993.15

NEGATIVE CORRECTIONS ARE BELOW PROFILE GRADE
POSITIVE CORRECTIONS ARE ABOVE PROFILE GRADE

MATCH EXISTING

- ① ITEM 441 - 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- ② ITEM 441 - 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- ③ ITEM 407 - NON-TRACKING TACK COAT
- ④ ITEM 301 - 9" ASPHALT CONCRETE BASE, PG64-22
- ⑤ ITEM 304 - 6" AGGREGATE BASE
- ⑥ ITEM 609 - CURB, TYPE 3-B
- ⑦ ITEM 204 - SUBGRADE COMPACTION
- ⑧ ITEM 609 - CURB, TYPE 6
- ⑨ ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- ⑩ ITEM 609 - CURB, TYPE 3-B, AS PER PLAN
- ⑪ ITEM 605 - 6" BASE PIPE UNDERDRAINS
- ⑫ ITEM 659 - TOPSOIL
- ⑬ ITEM 452 - 7" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P, AS PER PLAN
- ⑭ ITEM 659 - SEEDING AND MULCHING
- ⑮ ITEM 452 - 12" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC1
- ⑯ ITEM 609 - CONCRETE MEDIAN
- Ⓐ EX. ASPHALT PAVEMENT (DEPTH UNKNOWN)

TYPICAL SECTIONS

WAR-CR46 / TR128 - ROUNDABOUT

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

WATER - WARREN COUNTY WATER AND SEWER DEPARTMENT
PO BOX 530
LEBANON, OH 45036
(513) 695-1646
MR. CHRIS WOJNICZ

COMMUNICATIONS - VERIZON/MCI
120 RAVINE STREET
AKRON, OH 44303
(330) 253-8267
MR. AL GUEST

TELECOMMUNICATIONS - FIBERTECH
(585) 626-8304
MR. TIM TAYLOR
TTAYLOR@FIBERTECH.COM

ELECTRIC - DUKE ENERGY
139 EAST FOURTH STREET
ROOM 467 EX
CINCINNATI, OH 45202
(513) 458-3844
MR. TROY DITTMER

CABLE - CHARTER COMMUNICATIONS
(513) 386-5453
MR. JIM O'REILLY

TELECOMMUNICATIONS - WARREN COUNTY TELECOM
500 JUSTICE DRIVE
LEBANON, OH 45036
(513) 695-1318
MR. PAUL KINDELL

TELEPHONE - AT&T
7201 FAR HILLS AVENUE
CENTERVILLE, OH 45459
(937) 296-3588
MR. HOWARD LAUDERMILK

GAS - VECTREN ENERGY
1335 E. DAYTON YELLOW SPRINGS RD 6500 CLYO RD
FAIRBORN, OH 45324 CENTERVILLE, OH
(937) 313-4106 (937) 312-2533
MR. DAVE ISON MR. DON SPECHT

SANITARY SEWER AND WATER - CITY OF SPRINGBORO
320 WEST CENTRAL AVENUE
SPRINGBORO, OH 45066
(937) 748-4365
MR. ELMER DUDAS

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS AS REQUIRED BY SECTION 153.64 O.R.C.

CONSTRUCTION NOISE

ACTIVITIES AND LAND USE ADJACENT TO THIS PROJECT MAY BE AFFECTED BY CONSTRUCTION NOISE. IN ORDER TO MINIMIZE ANY ADVERSE CONSTRUCTION NOISE IMPACTS, DO NOT OPERATE POWER-OPERATED CONSTRUCTION-TYPE DEVICES BETWEEN THE HOURS OF 8 PM AND 8 AM. IN ADDITION, DO NOT OPERATE AT ANY TIME ANY DEVICE IN SUCH A MANNER THAT THE NOISE CREATED SUBSTANTIALLY EXCEEDS THE NOISE CUSTOMARILY AND NECESSARILY ATTENDANT TO THE REASONABLE AND EFFICIENT PERFORMANCE OF SUCH EQUIPMENT.

SURVEYING PARAMETERS

PRIMARY PROJECT CONTROL MONUMENTS GOVERN ALL POSITIONING ON ODOT PROJECTS. SEE SHEET 2 OF THE PLANS FOR A TABLE CONTAINING PROJECT CONTROL INFORMATION.

USE THE FOLLOWING PROJECT CONTROL, VERTICAL POSITIONING, AND HORIZONTAL POSITIONING PARAMETERS FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: STATIC GNSS
MONUMENT TYPE: B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEPOD12A

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD83 2011
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: STATE PLANE OHIO SOUTH
COMBINED SCALE FACTOR: 1.000101278
ORIGIN OF COORDINATE SYSTEM: 0,0

USE THE POSITIONING METHODS AND MONUMENT TYPE USED IN THE ORIGINAL SURVEY TO RESTORE ALL MONUMENTS RELATED TO PRIMARY PROJECT CONTROL THAT ARE DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES. RESTORE THE DAMAGED OR DESTROYED MONUMENTS IN ACCORDANCE WITH CMS 623.

UNITS ARE IN U.S. SURVEY FEET. USE THE FOLLOWING CONVERSION FACTOR: 1 METER = 3.280833333 U.S. SURVEY FEET.

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

SEEDING AND MULCHING

THE FOLLOWING QUANTITIES ARE PROVIDED TO PROMOTE GROWTH AND CARE OF PERMANENT SEEDED AREAS:

- 659, TOPSOIL ----- 726 CU. YD.
- 659, SEEDING AND MULCHING ----- 6,538 SQ. YD.
- 659, REPAIR SEEDING AND MULCHING ----- 327 SQ. YD.
- 659, INTER-SEEDING ----- 327 SQ. YD.
- 659, COMMERCIAL FERTILIZER ----- 1.63 TON
- 659, LIME ----- 1.36 ACRES
- 659, WATER ----- 53 M. GAL.

SEEDING AND MULCHING SHALL BE APPLIED TO ALL AREAS OF EXPOSED SOIL BETWEEN THE RIGHT-OF-WAY LINES, AND WITHIN THE CONSTRUCTION LIMITS FOR AREAS OUTSIDE THE RIGHT-OF-WAY LINES COVERED BY WORK AGREEMENT OR SLOPE EASEMENT. QUANTITY CALCULATIONS FOR SEEDING AND MULCHING ARE BASED ON THESE LIMITS.

ITEM SPECIAL - MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAILBOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMODATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMANENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL MAILBOX SUPPORT SYSTEM, SINGLE.

ITEM 511 WINGWALLS OR HEADWALLS FOR 611 ITEMS

FOR ITEMS 706.05, 706.051, 706.052 AND 706.053 WITH A CAST-IN-PLACE WINGWALL OR HEADWALL A PRECAST ALTERNATIVE MAY BE FURNISHED PER 602.03. THE PRECAST ALTERNATIVE WILL MEET THE CAST-IN-PLACE STRUCTURAL DESIGN LOADINGS, DESIGN HEIGHT, AND DESIGN LENGTH DIMENSIONS.

FULL COMPENSATION FOR THE PRECAST WINGWALL OR HEADWALL IS THE NUMBER OF CUBIC YARDS OF ITEM 511, AND POUNDS OF ITEM 509 FOR THE CORRESPONDING CAST-IN-PLACE STRUCTURE.

UNRECORDED STORM WATER DRAINAGE

FURNISH A CONTINUANCE FOR ALL UNRECORDED STORM WATER DRAINAGE, SUCH AS ROOF DRAINS, FOOTER DRAINS, OR YARD DRAINS, DISTURBED BY THE WORK. FURNISH EITHER AN OPEN CONTINUANCE OR AN UNOBSTRUCTED CONTINUANCE BY CONNECTING A CONDUIT THROUGH THE CURB, INTO A DRAINAGE STRUCTURE, OR DITCH. THE LOCATION, TYPE, SIZE AND GRADE OF THE NEEDED CONDUIT TO REPLACE OR EXTEND AN EXISTING DRAIN WILL BE DETERMINED BY THE ENGINEER. ALL SUCH CONTINUANCE REQUIRES A RIGHT OF WAY USE PERMIT.

THE FOLLOWING CONDUIT TYPES MAY BE USED: 707.33, 707.41 NON-PERFORATED, 707.42, 707.43, 707.45, 707.46, 707.47, 707.51, 707.52 SDR35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER FOR THE WORK NOTED ABOVE:

611, 6" CONDUIT, TYPE F, FOR DRAINAGE CONNECTION
250 FT.

POST CONSTRUCTION STORM WATER TREATMENT

THIS PLAN UTILIZES STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) FOR POST CONSTRUCTION STORM WATER TREATMENT.

VEGETATED FILTER STRIP

THIS PLAN UTILIZES VEGETATED FILTER STRIPS FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AND ITEM 670, SLOPE EROSION PROTECTION TO ALL DISTURBED AREAS DESIGNATED AS VEGETATED FILTER STRIPS, THE EDGE OF SHOULDER, AND THE FORESLOPE AS SPECIFIED IN THE PLANS.

VEGETATED FILTER STRIPS ARE SHOWN ON THE PLAN SHEETS AT THE FOLLOWING STATIONS:

STA. 36+55 TO STA. 39+31 (LT) @ LYTLE-FIVE POINTS
STA. 64+54 TO STA. 67+13 (RT) @ BUNNELL HILL

VEGETATED BIOFILTER

THIS PLAN UTILIZES VEGETATED BIOFILTERS FOR POST CONSTRUCTION STORM WATER TREATMENT. PLACE EITHER ITEM 660 SODDING OR ITEM 659 SEEDING AND MULCHING WITH A 4-INCH LIFT OF TOPSOIL AS SHOWN IN THE PLANS TO ANY DISTURBED AREA ON THE SHOULDER AND FORESLOPE DRAINING TO A VEGETATED BIOFILTER. THE DITCH FOR EACH VEGETATED BIOFILTER SHALL BE TRAPEZOIDAL, AS SHOWN IN THE PLAN CROSS SECTIONS. PROVIDE ITEM 670 AS PER PLAN.

VEGETATED BIOFILTERS ARE SHOWN ON THE PLAN SHEETS AT THE FOLLOWING STATIONS:

STA. 29+61 TO STA. 32+50 (RT) @ LYTLE-FIVE POINTS
STA. 30+15 TO STA. 33+90 (LT) @ LYTLE-FIVE POINTS
STA. 202+56 TO STA. 204+17 (LT) @ RED LION FIVE POINTS
STA. 202+56 TO STA. 204+75 (RT) @ RED LION FIVE POINTS

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\General Notes.dgn 11/2/2020 10:04:06 AM carlr

CALCULATED
CJR
CHECKED
JCH

GENERAL NOTES

WAR-CR46 / TR128 -
ROUNDAABOUT

9
70

AIRWAY/HIGHWAY CLEARANCE FOR AIRPORTS AND HELIPORTS

THIS PROJECT HAS BEEN IDENTIFIED AS BEING WITHIN THE INFLUENCE AREA OF A PUBLIC USE AIRPORT OR HELIPORT. NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT AT MAXIMUM OPERATING HEIGHT SHALL EXCEED A HEIGHT OF 50 FT. IF ANY TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT WILL EXCEED THIS HEIGHT, FURTHER COORDINATION WITH THE FEDERAL AVIATION ADMINISTRATION (FAA) WILL BE NECESSARY PRIOR TO ERECTING SUCH TEMPORARY STRUCTURES OR OPERATING SUCH EQUIPMENT ON THE PROJECT. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT FORM 7460-1 TO THE FAA.

NO TEMPORARY STRUCTURES OR CONSTRUCTION EQUIPMENT SHALL EXCEED THE PERMISSIBLE HEIGHT, UNTIL A COPY OF THE FAA APPROVAL HAS BEEN FURNISHED TO THE PROJECT ENGINEER.

EXPRESS PROCESSING CENTER
THE FEDERAL AVIATION ADMINISTRATION
SOUTHWEST REGIONAL OFFICE
AIR TRAFFIC AIRSPACE BRANCH ASW-520
2601 MEACHAN BLVD.
FORT WORTH, TX 76137-4298

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.
2. EXCAVATE AND REPLACE KNOWN UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. UNSUITABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO 204.05.

IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUBGRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.
3. COMPACT THE SUBGRADE ACCORDING TO 204.03.
4. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSERVATIONS.

PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO 204.06.
5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGINEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.
6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO 204.06 TO VERIFY STABILITY.
7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204 EXCAVATION OF SUBGRADE.

ITEM 661 - PLANTING, MISC.: WEED BARRIER

THIS ITEM INCLUDES THE MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO INSTALL A WOVEN OR NON-WOVEN WEED BARRIER PER NOTES ON SHEET 70. THE WEED BARRIER SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS AND IN ALL AREAS WITH PLANTINGS INSIDE THE CENTER ISLAND OF THE ROUNDABOUT, EXCEPT IN THE AREAS OF GROUND COVER PLANTINGS.

ITEM 511 - CLASS QC1 CONCRETE, HEADWALL, AS PER PLAN

THIS ITEM INCLUDES THE MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO INSTALL THE FULL-HEIGHT HEADWALLS SHOWN ON SHEET 45 ACCORDING TO THE DETAILS ON SHEET 12.

ITEM 623 - REFERENCE MONUMENT, AS PER PLAN

THIS ITEM INCLUDES THE MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO INSTALL THE REFERENCE MONUMENT AT THE SECTION CORNER AS SHOWN ON SHEET 2. THE MONUMENT SHOULD BE INSTALLED BY A PROFESSIONAL SURVEYOR AND ADHERE TO THE STANDARD PRACTICE OF CARE. THE REFERENCE MONUMENT SHALL BE INSTALLED ACCORDING TO ODOT STANDARD CONSTRUCTION DRAWING RM-1.1 AND SHALL BE A CONCRETE MONUMENT TYPE A, CAP DESIGN 5.

6" BASE PIPE UNDERDRAIN OUTLETS

UNDERDRAIN OUTLETS ARE INCIDENTAL TO ITEM 605 - 6" BASE PIPE UNDERDRAINS AND SHALL CONFORM TO SECTION 605.06 OF THE ODOT CONSTRUCTION AND MATERIAL SPECIFICATIONS MANUAL. THE PROPOSED UNDERDRAINS SHALL BE TIED INTO THE EXISTING UNDERDRAINS AT THE PROJECT LIMITS, IF POSSIBLE. OTHERWISE, THE PROPOSED AND EXISTING UNDERDRAINS SHALL OUTLET TO THE ADJACENT DITCH AT THE DOWNSTREAM END OF THE UNDERDRAIN RUN.

ITEM 202 - REMOVAL MISC.: FLOWER BEDS

THIS ITEM INCLUDES THE MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO REMOVE THE FLOWER BEDS AS NOTED IN THE DRAWINGS. WORK INCLUDES, BUT IS NOT LIMITED TO, REMOVAL OF BRICK LANDSCAPE WALLS AND ABANDONMENT OF THE WATER PUMP.

ROADWAY UNDERCUT

IF THE ROADWAY SUBGRADE IS DEEMED UNSUITABLE, AN ALLOWANCE QUANTITY FOR EXCAVATION OF UNSUITABLE SUBGRADE, 12" GRANULAR BACKFILL, AND GEOTEXTILE FABRIC IS PROVIDED. AUTHORIZATION BY THE COUNTY IS REQUIRED BEFORE WORK IS PERFORMED.

CONSTRUCTION FENCE

PAYMENT ASSOCIATED WITH THE INSTALLATION OF CONSTRUCTION FENCE, WHERE SHOWN IN THE PLANS, SHALL BE INCLUDED WITH ITEM 832 - EROSION CONTROL.

ITEM 452 - 7" NON-REINFORCED CONCRETE, CLASS QC 1P, AS PER PLAN

THIS ITEM INCLUDES ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO INSTALL THE CONCRETE TRUCK APRON AS DETAILED ON SHEET 11.

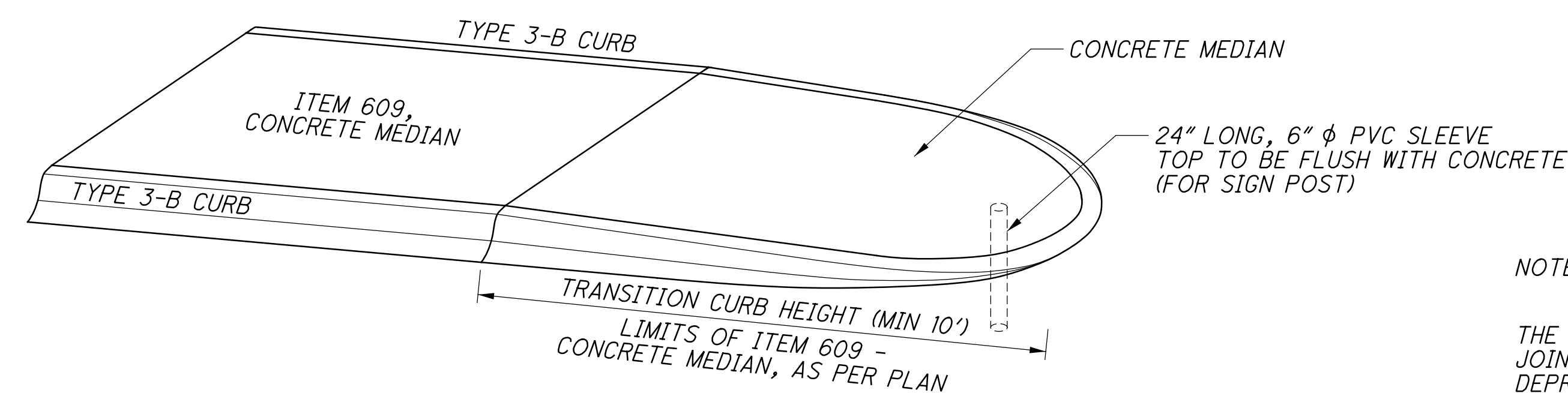
S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\General Notes_2.dgn 11/2/2020 9:57:40 AM carlr

CALCULATED
CJR
CHECKED
JCH

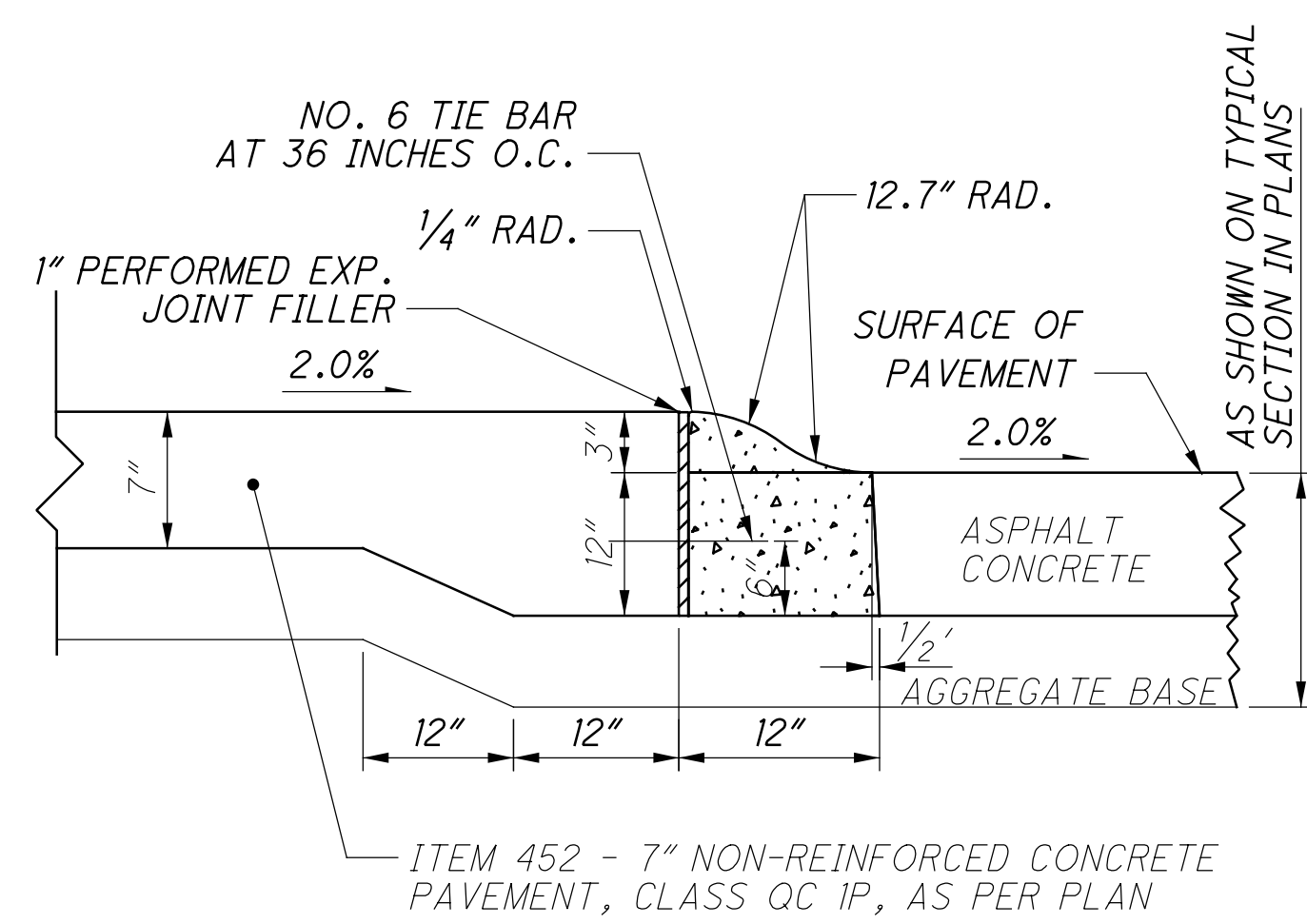
GENERAL NOTES

WAR-CR 46 / TR128 -
ROUNDABOUT

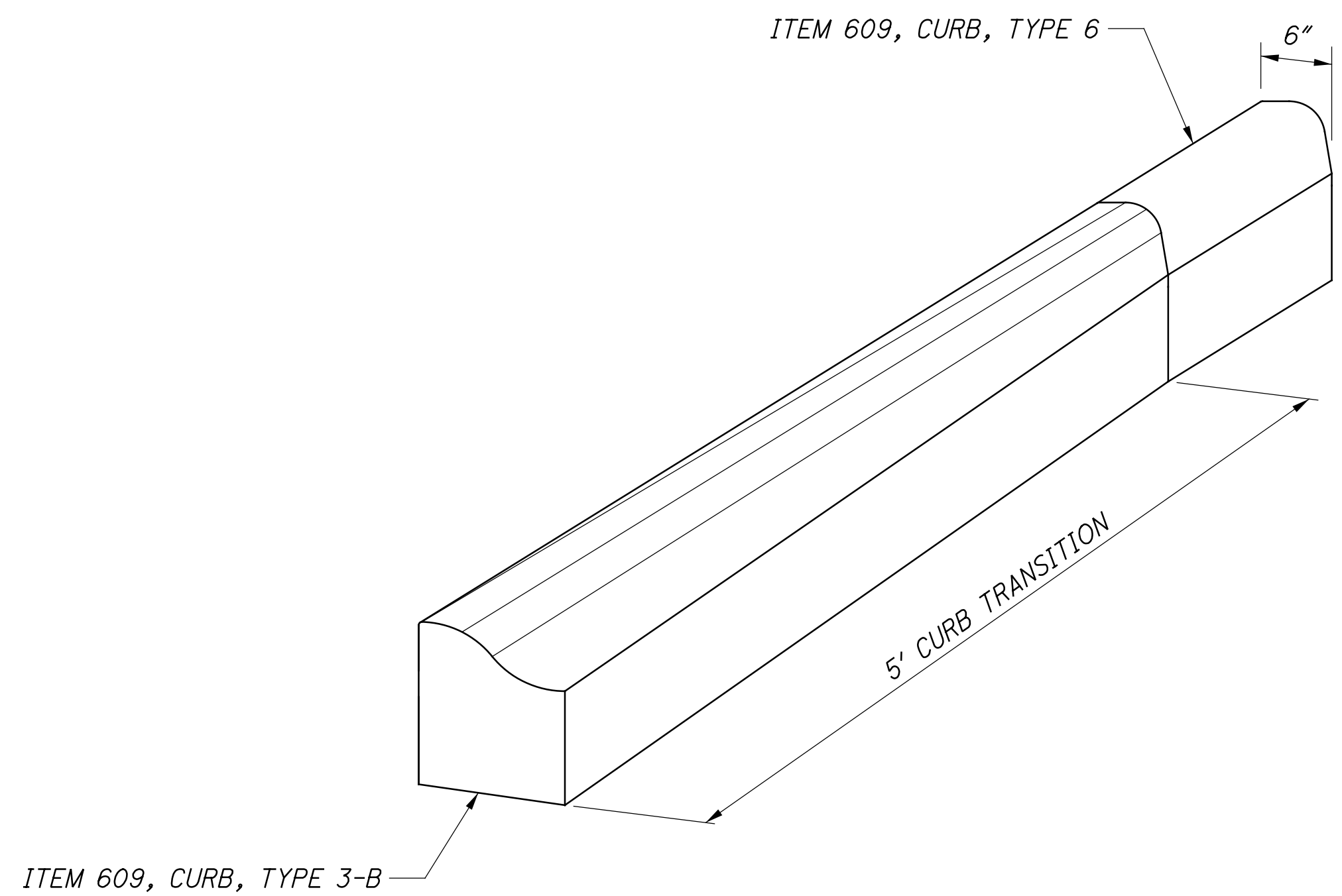
10
70



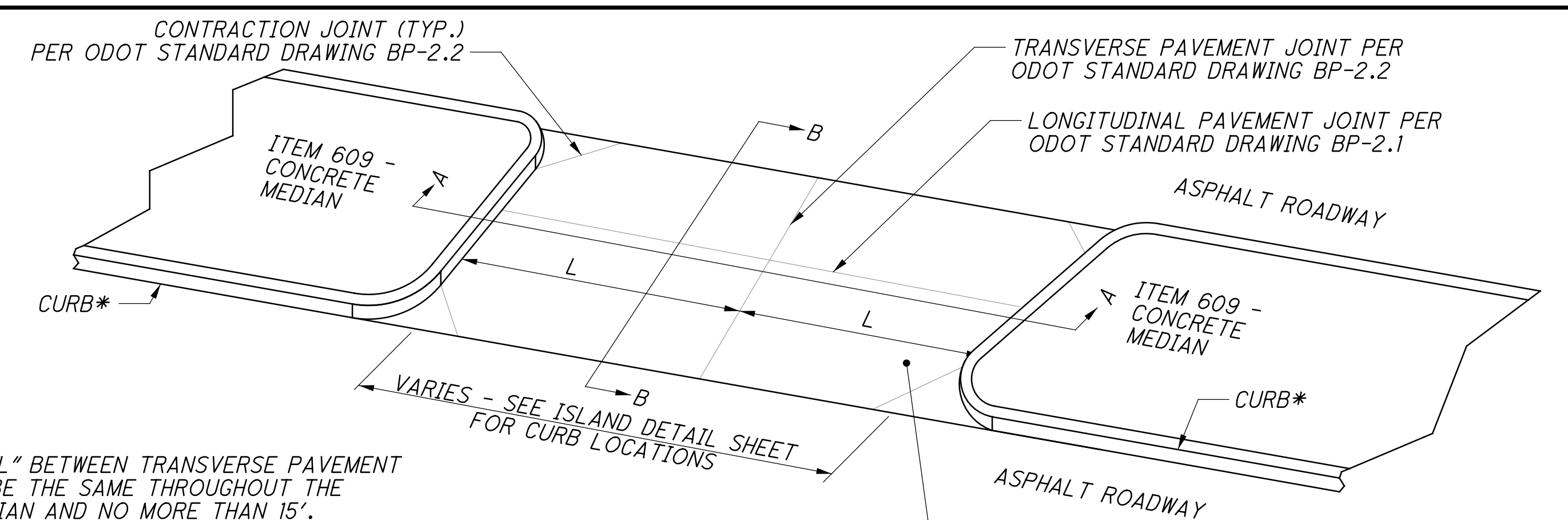
ITEM 609 - CONCRETE MEDIAN, AS PER PLAN
NOT TO SCALE



ITEM 609 - CURB TYPE 3-B, AS PER PLAN
NOT TO SCALE



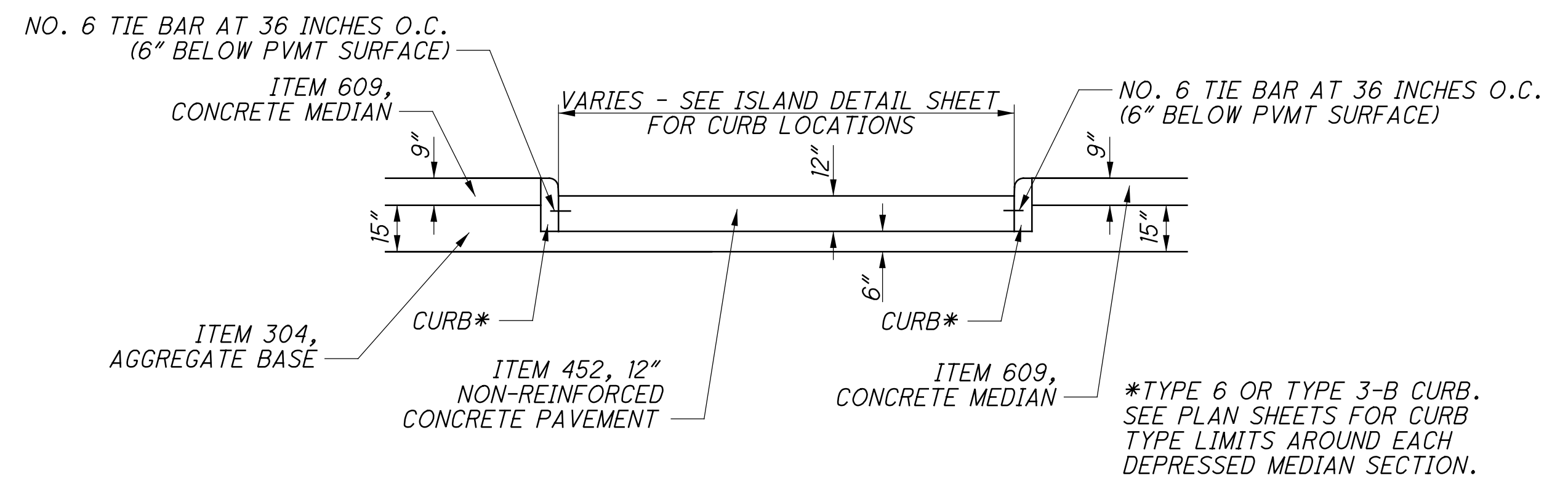
SPLITTER ISLAND CURB TRANSITION DETAIL
NOT TO SCALE



NOTE:
THE DISTANCE "L" BETWEEN TRANSVERSE PAVEMENT JOINTS SHALL BE THE SAME THROUGHOUT THE DEPRESSED MEDIAN AND NO MORE THAN 15'.
THE LONGITUDINAL PAVEMENT JOINT SHALL BE CONSTRUCTED ALONG THE CENTERLINE OF THE DEPRESSED MEDIAN.

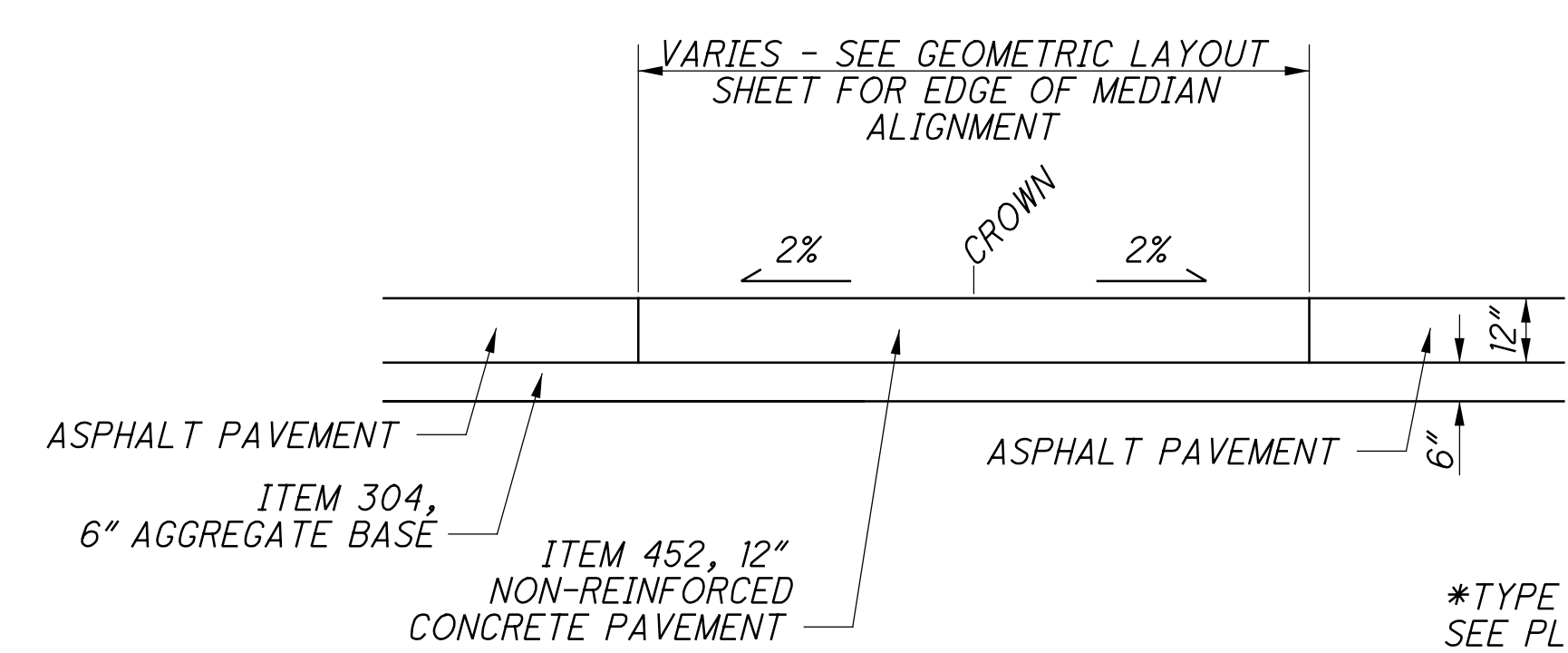
DEPRESSED MEDIAN DETAIL
NOT TO SCALE

*TYPE 6 OR TYPE 3-B CURB. SEE PLAN SHEETS FOR CURB TYPE LIMITS AROUND EACH DEPRESSED MEDIAN SECTION.



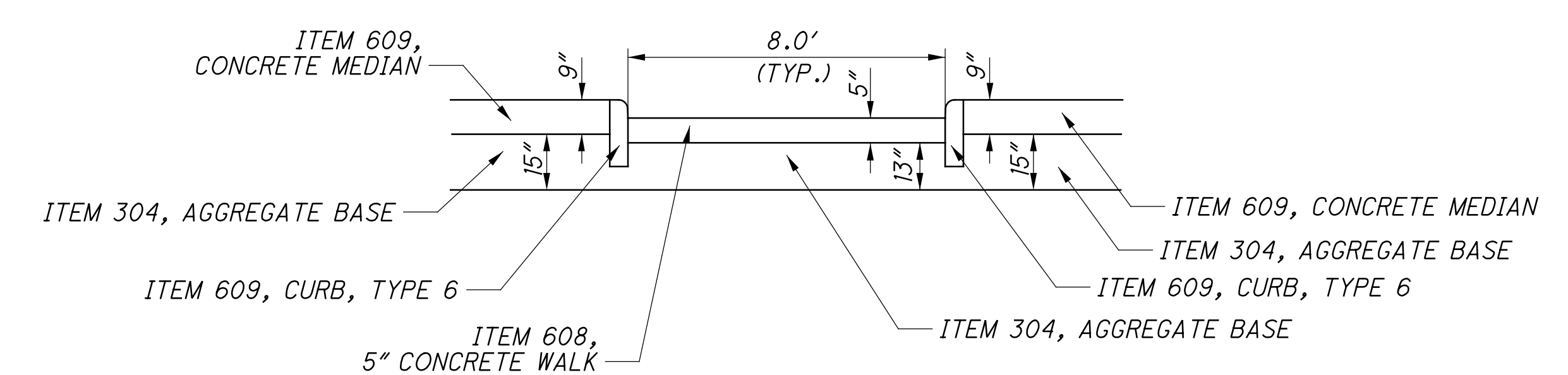
SECTION A-A, DEPRESSED MEDIAN CROSS SECTION
NOT TO SCALE

*TYPE 6 OR TYPE 3-B CURB. SEE PLAN SHEETS FOR CURB TYPE LIMITS AROUND EACH DEPRESSED MEDIAN SECTION.



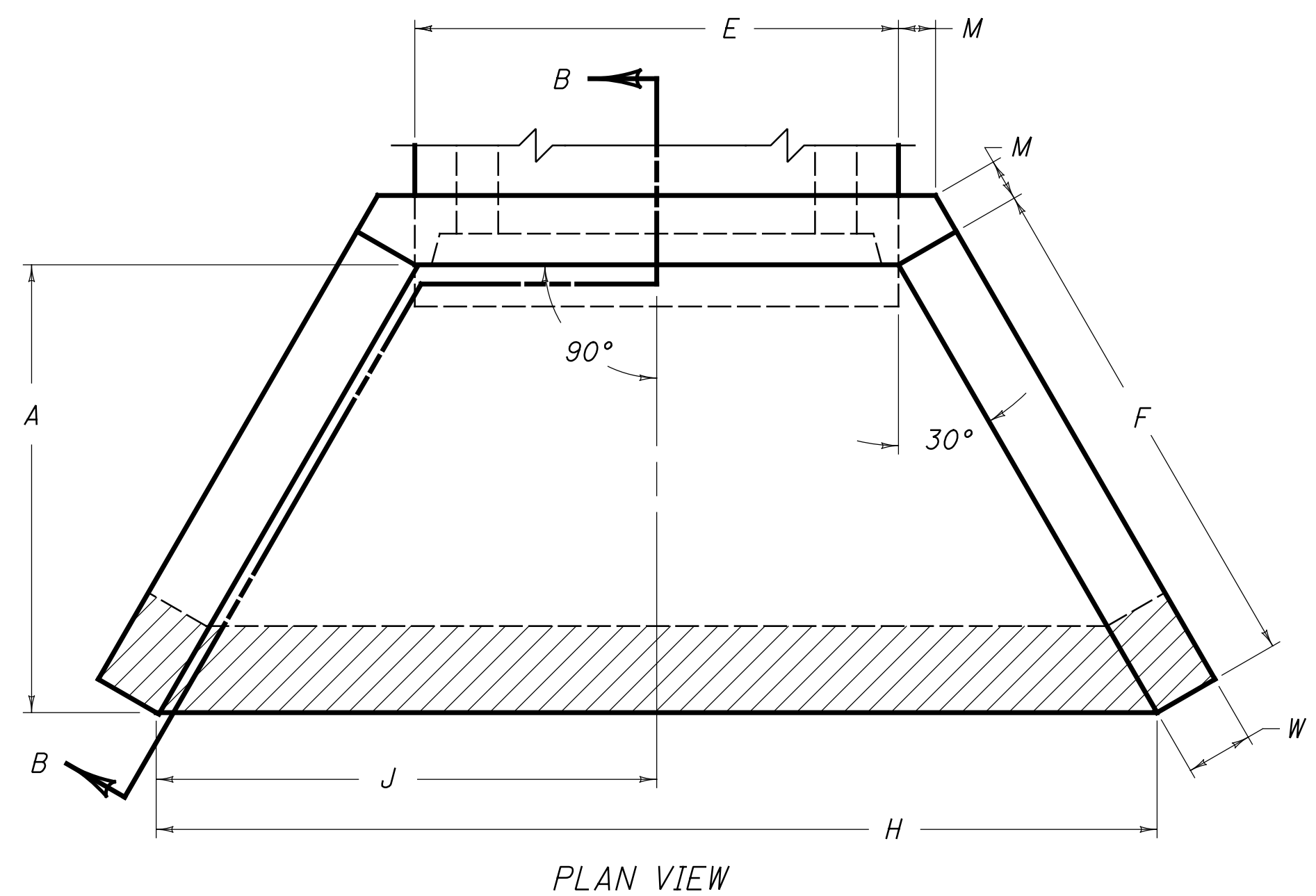
SECTION B-B, DEPRESSED MEDIAN CROSS SECTION
NOT TO SCALE

*TYPE 6 OR TYPE 3-B CURB. SEE PLAN SHEETS FOR CURB TYPE LIMITS AROUND EACH DEPRESSED MEDIAN SECTION.

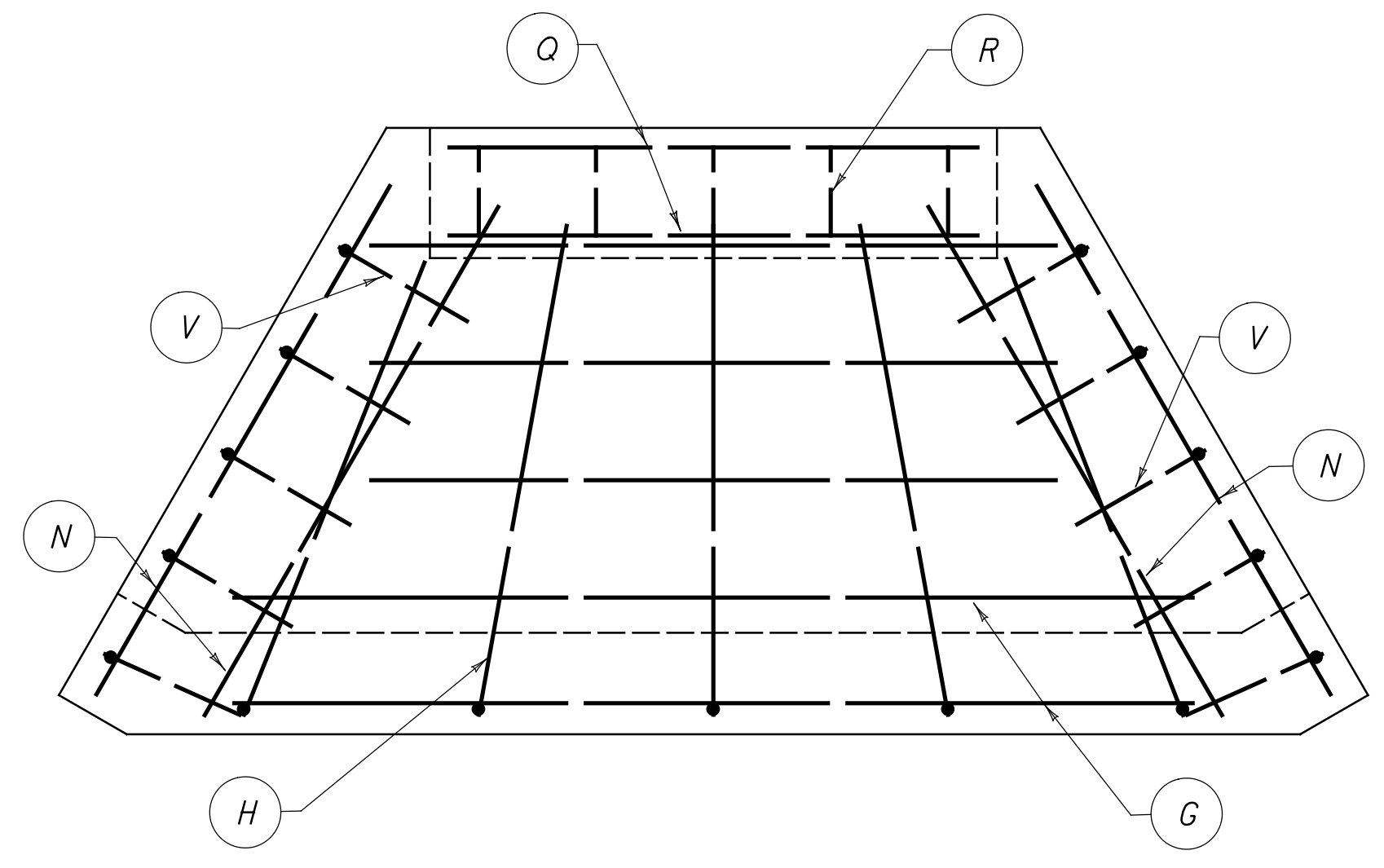


PEDESTRIAN REFUGE AREA CROSS SECTION
NOT TO SCALE

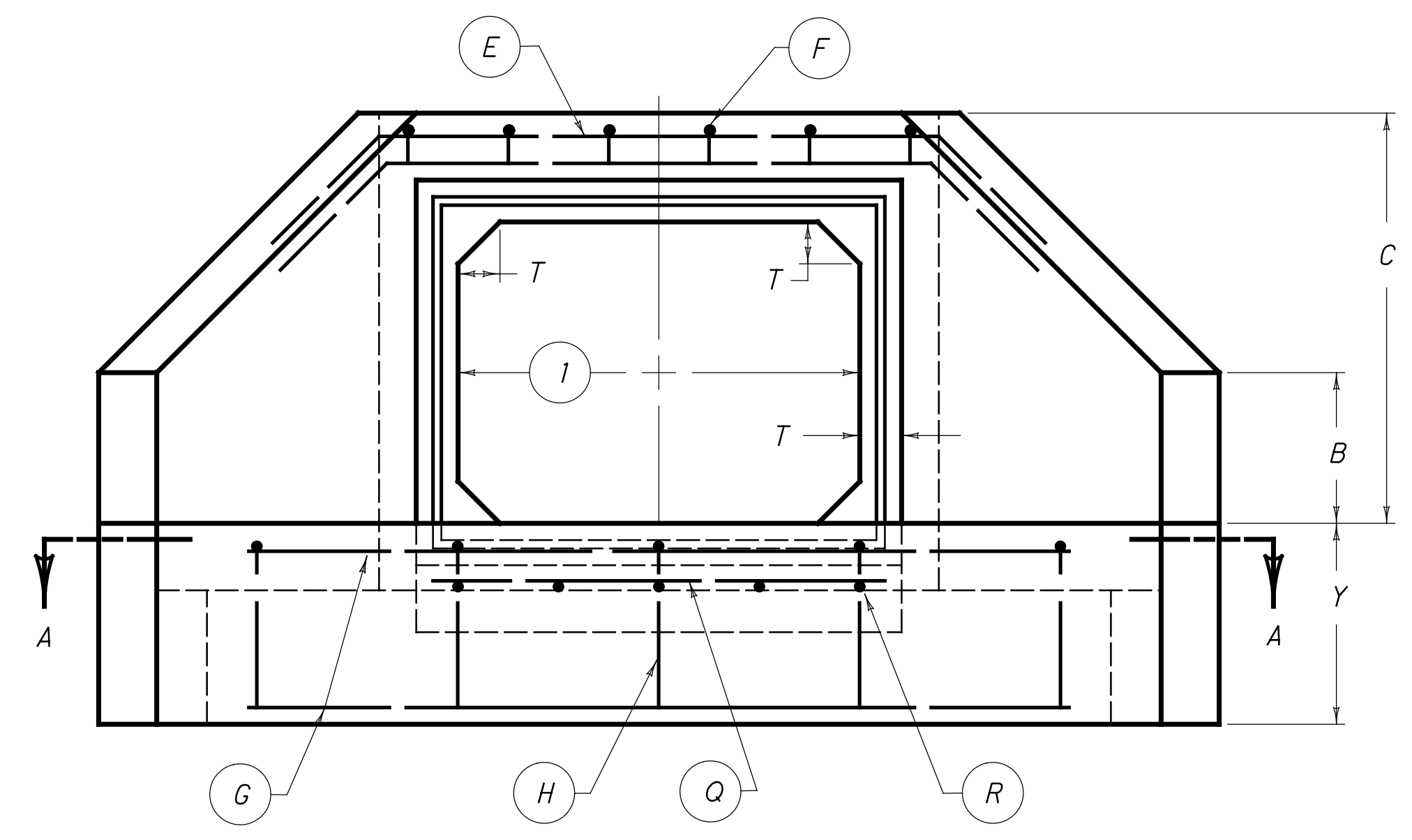
S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Details.dgn 11/2/2020 9:57:40 AM carl



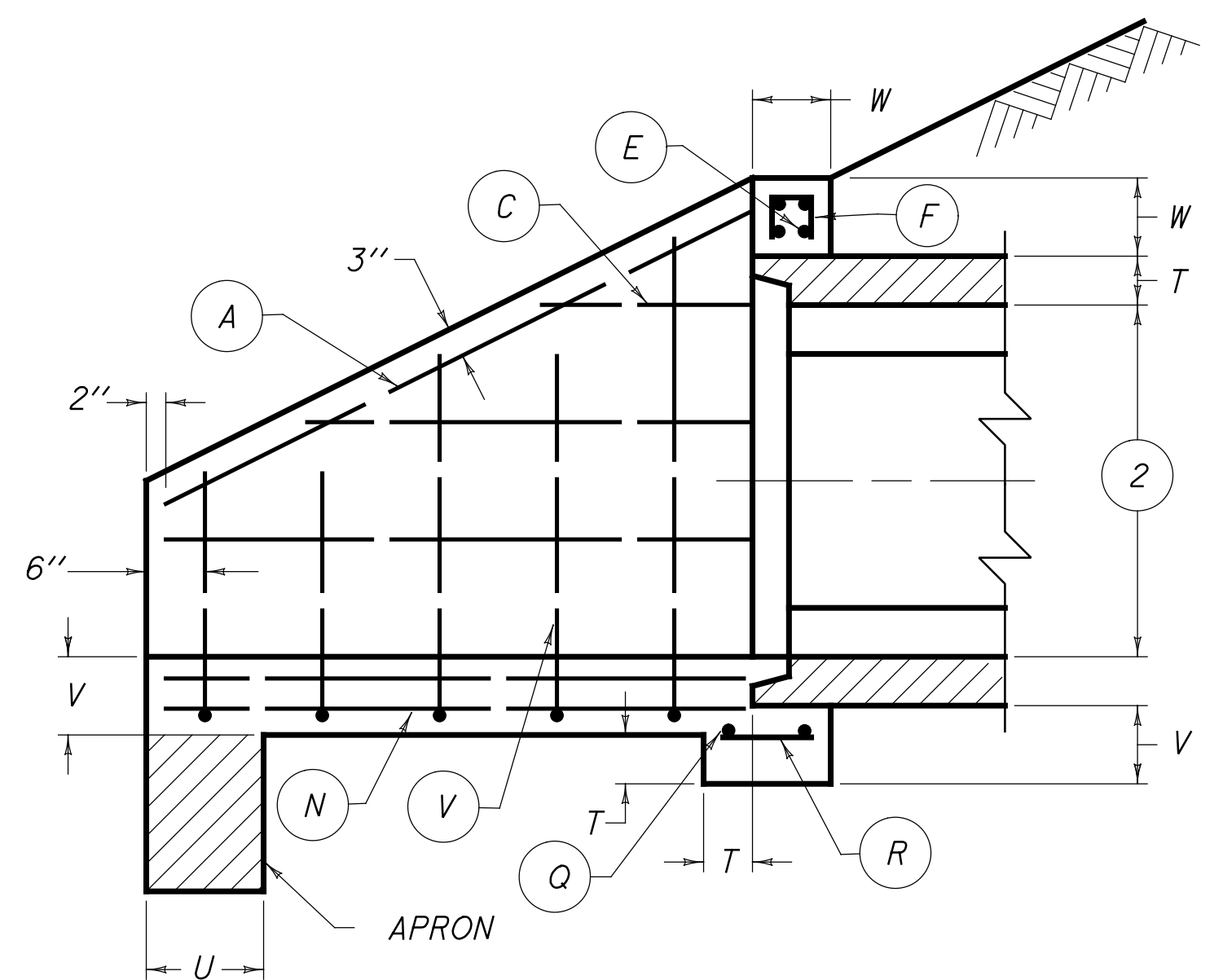
PLAN VIEW



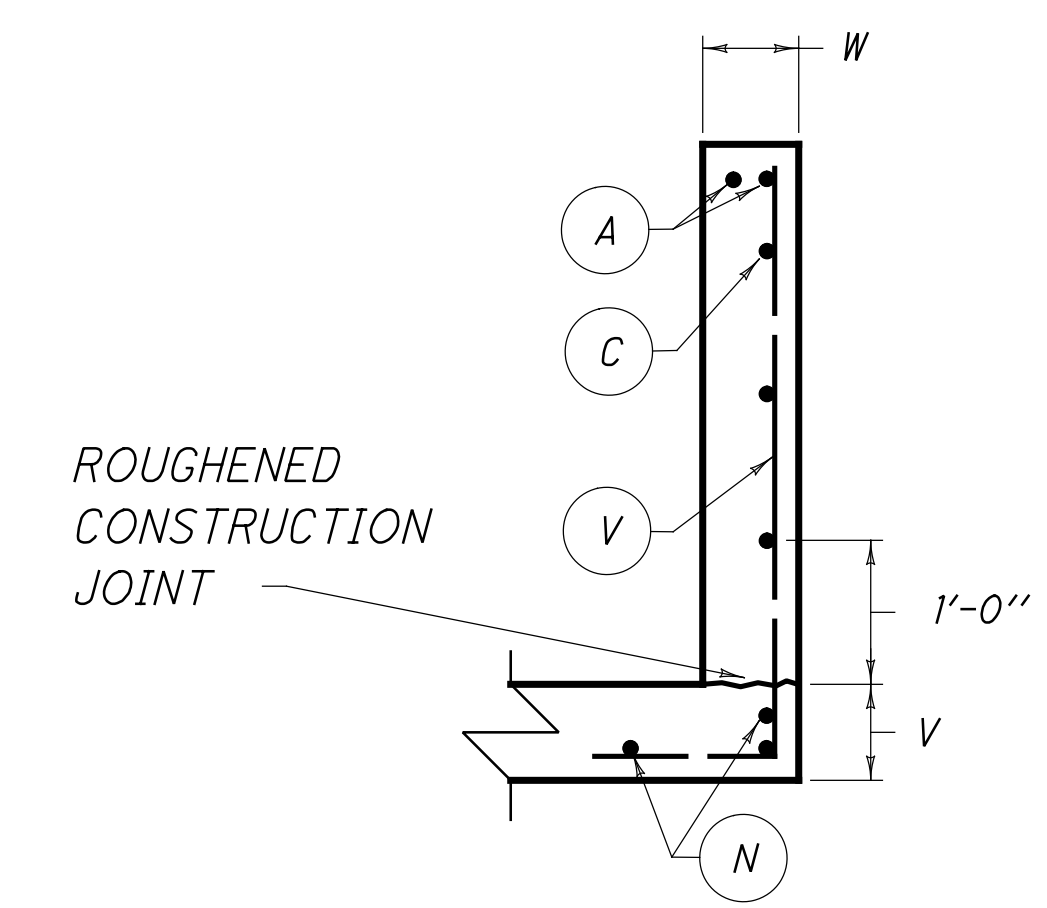
SECTION A-A



FRONT ELEVATION



SECTION B-B



WING SECTION

- NOTES
- SPAN OF BOX CULVERT
 - RISE OF BOX CULVERT
 - FOR DIMENSIONS, QUANTITIES, AND BILL OF REINFORCEMENT SEE THIS SHEET.
 - DIMENSIONS FROM FACE OF CONCRETE TO STEEL SHALL BE 2" CLEAR DISTANCE.
 - ENCIRCLED LETTERS, \bigcirc , INDICATE STEEL BAR LOCATIONS.
 - BARS \bigcirc , \bigcirc , AND \bigcirc ARE SPACED 1'-0" O.C. ALL OTHER BARS SHALL BE EVENLY SPACED.
 - BARS \bigcirc ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE END OF EACH WING.
 - BARS \bigcirc ARE PLACED IN ORDER OF INCREASING LENGTHS, BEGINNING AT THE TOP OF EACH WING.
 - HEADWALLS LOCATED AT SHOULDER EDGE SHALL BE PARALLEL TO CENTERLINE OF ROAD.
 - LIMITS OF APRON.
 - PAVING SHALL BE REQUIRED AND SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF BOX. FRONT FACE OF HEADWALL AND ENDS OF WINGS SHALL REMAIN VERTICAL.

QUANTITIES

BOX SIZE ①	CONCRETE 2 HEADWALLS					REINFORCEMENT 2 HEADWALLS	
	②	③	④	⑤	⑥	⑦	⑧
3 X 3	4.39	0.94	—	—	—	365	—

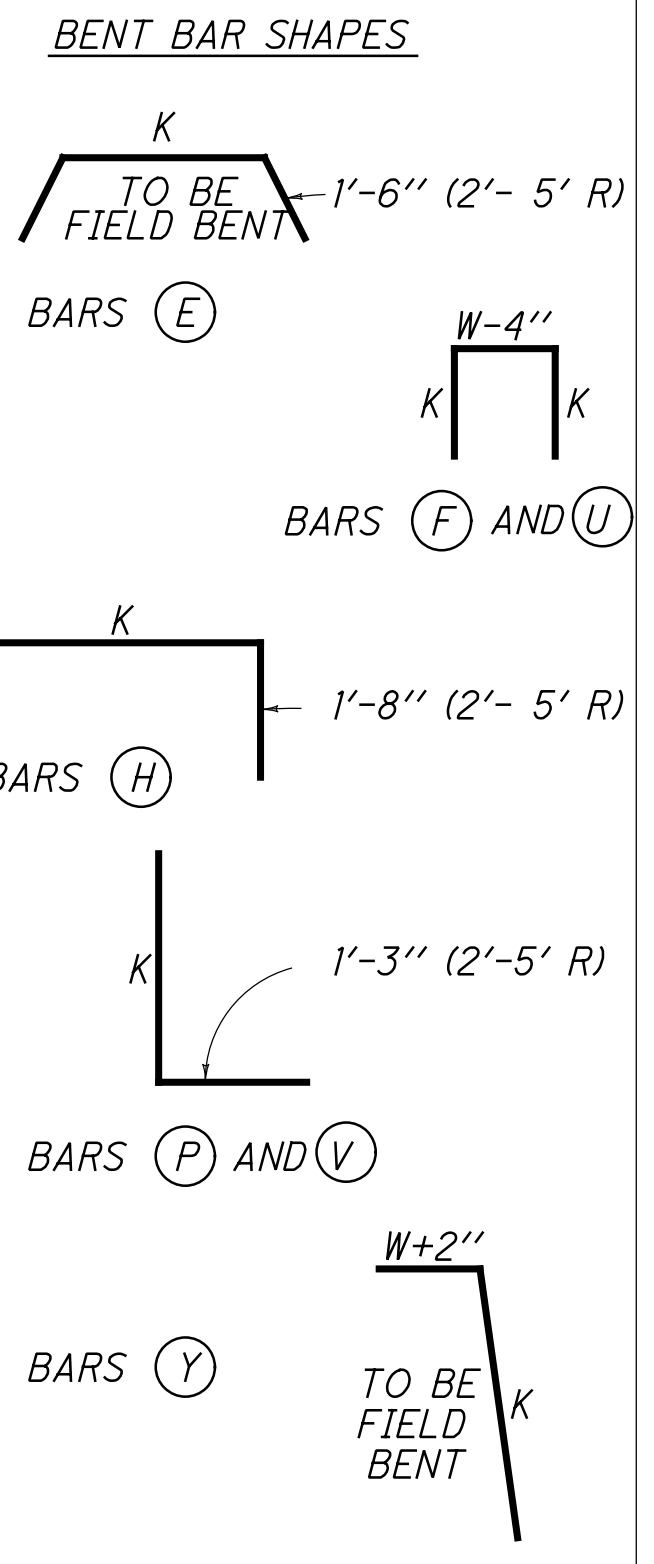
- PRECAST CONCRETE BOX CULVERT SECTIONS EQUALS THE INTERIOR SPAN (S) BY THE INTERIOR RISE (R) IN FEET.
- CU. YDS. OF CONCRETE IN TWO HEADWALLS WITH PAVING.
- CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITH PAVING).
- CU. YDS. OF CONCRETE IN TWO PAVED AREAS OF THE HEADWALLS.
- CU. YDS. OF CONCRETE IN TWO APRONS (HEADWALLS WITHOUT PAVING).
- CU. YDS. OF CONCRETE IN TWO HEADWALLS WITHOUT PAVING.
- POUNDS OF REINFORCING STEEL IN TWO HEADWALLS WITH PAVING.
- POUNDS OF REINFORCING STEEL TO DEDUCT WHEN PAVING FOR TWO HEADWALLS IS ELIMINATED.

DIMENSION	PRECAST BOX CULVERT 3'x3'
A	4'-4"
B	1'-6"
C	4'-0"
E	3'-8"
F	5'-0"
H	8'-8"
J	4'-4"
M	0'-5"
T	0'-4"
U	1'-0"
V	0'-8"
W	0'-8"
X	----
Y	2'-0"
Z	----

BILL OF REINFORCEMENT

M A R K	S I Z E	NO	LGTH		K	
			FT	IN	FT	IN
3' X 3' BOX						
A	5	4	5	5		
C1	4	2	1	7		
C2	4	2	3	7		
C3	4	2	4	10		
E1	5	2	6	11	3	11
E2	5	2	7	3	4	3
F	4	5	0	11	0	4
G1	4	2	4	7		
G2	4	2	6	11		
G3	4	2	8	0		
H	4	5	5	8	4	0
N	4	6	4	10		
Q	4	2	3	4		
R	4	4	0	8		
V1	5	4	3	4	2	1
V2	5	4	4	4	3	1
V3	5	2	5	4	4	1

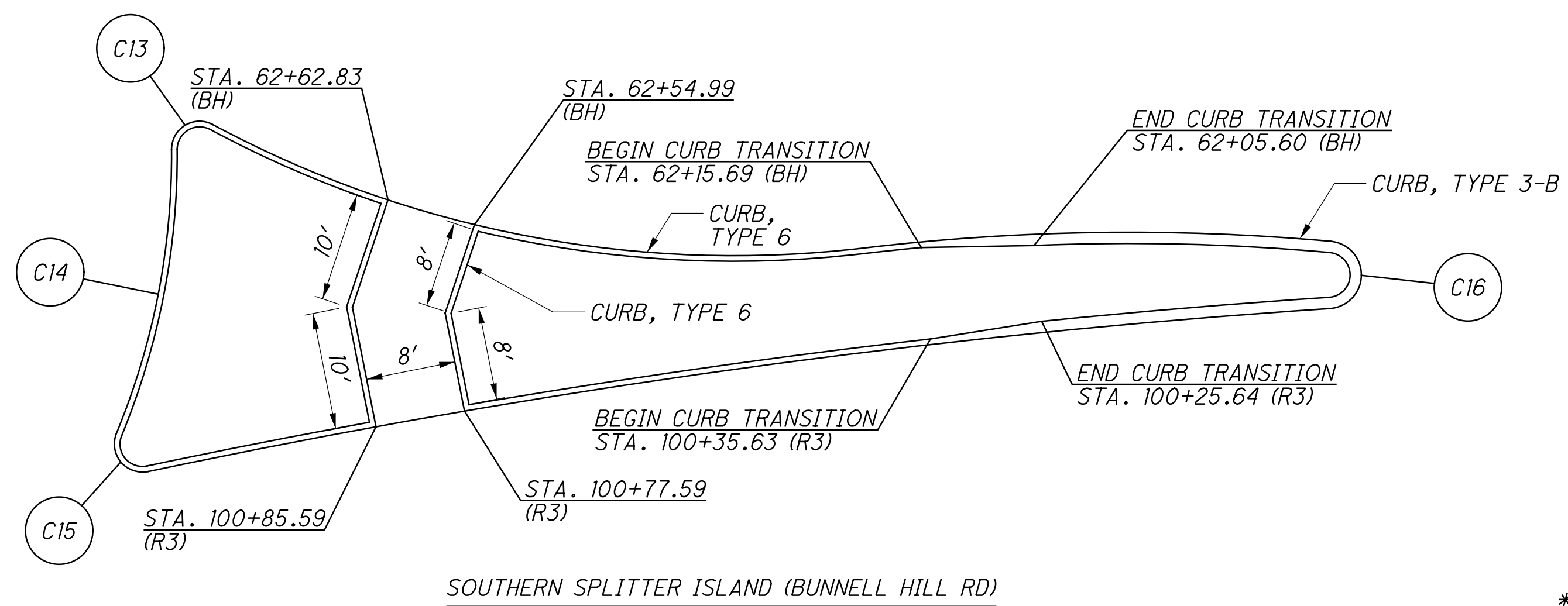
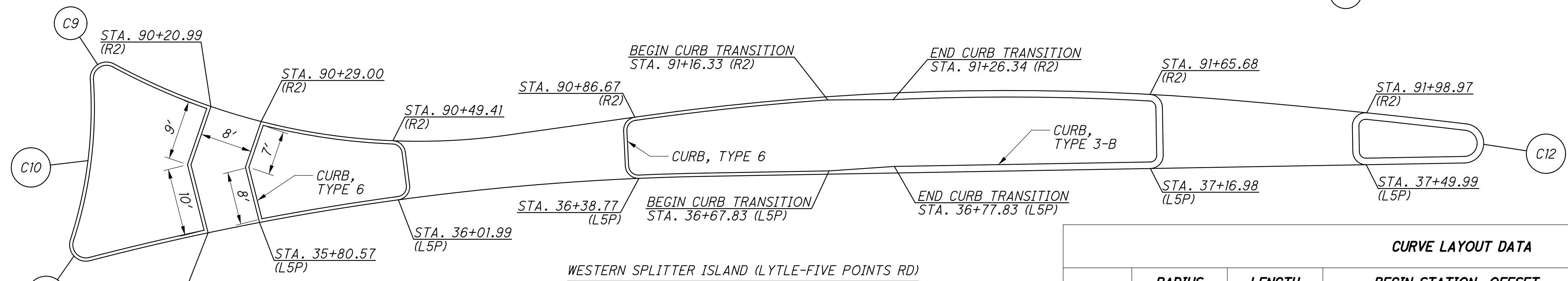
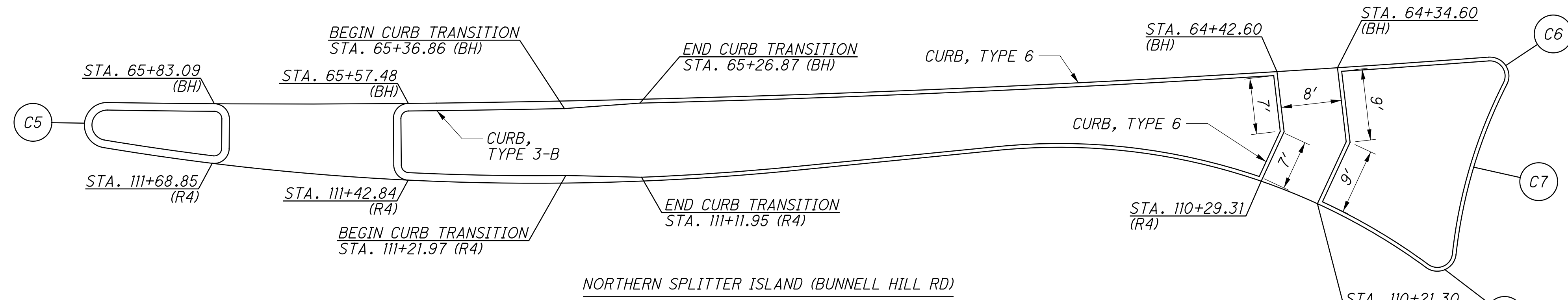
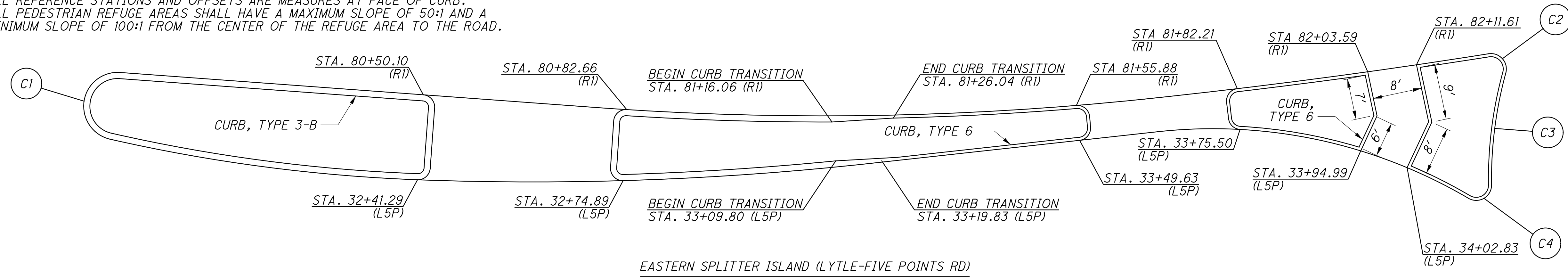
- NOTES
- NUMBER OF BARS IN ONE HEADWALL.
 - DIMENSIONS ARE 0. TO 0. OF BARS.
 - ALL BARS ARE STRAIGHT EXCEPT THOSE SHOWN BELOW.
 - R = BOX OR PIPE RISE
 - W = WING WALL WIDTH



S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Details_2.dgn 11/2/2020 9:57:41 AM carlr

NOTES:

1. ALL REFERENCE STATIONS AND OFFSETS ARE MEASURES AT FACE OF CURB.
2. ALL PEDESTRIAN REFUGE AREAS SHALL HAVE A MAXIMUM SLOPE OF 50:1 AND A MINIMUM SLOPE OF 100:1 FROM THE CENTER OF THE REFUGE AREA TO THE ROAD.



CURVE LAYOUT DATA				
NO.	RADIUS (FEET)	LENGTH (FEET)	BEGIN STATION, OFFSET (REF. LINE)	END STATION, OFFSET (REF. LINE)
C1	5.5	16.45	31+90.55, 4.2' LT (L5P)	80+00.00, 0.0' (R1)
C2	2.5	4.99	82+23.47, 0.0' (R1)	11+97.66, 20.0' RT (CIRCLE)
C3	65.0	18.39	11+97.66, 20.0' RT (CIRCLE)	12+10.39, 20.0' RT (CIRCLE)
C4	2.5	5.29	12+10.39, 20.0' RT (CIRCLE)	34+13.71, 2.0' LT (L5P)
C5	3.0	8.98	111+83.40, 0.0' (R4)	65+97.22, 2.0' LT (BH)
C6	2.5	5.29	64+14.58, 2.0' LT (BH)	11+29.39, 20.0' RT (CIRCLE)
C7	65.0	23.57	11+29.39, 20.0' RT (CIRCLE)	11+45.71, 20.0' RT (CIRCLE)
C8	2.5	5.24	11+45.71, 20.0' RT (L5P)	110+04.60, 0.0' (R4)
C9	2.5	5.34	10+79.55, 20.0' RT (CIRCLE)	90+04.82, 0.0 (R2)
C10	65.0	24.82	10+62.36, 20.0' RT (CIRCLE)	10+79.55, 20.0' RT (CIRCLE)
C11	2.5	5.35	35+54.12, 2.0' LT (L5P)	10+62.36, 20.0' RT (CIRCLE)
C12	3.0	9.02	92+14.29, 0.0' (R2)	37+65.03, 2.0' LT (L5P)
C13	2.5	5.18	10+07.66, 20.0' RT (CIRCLE)	62+79.47, 2.0' LT (BH)
C14	65.0	25.91	10+07.66, 20.0' RT (CIRCLE)	12+72.46, 20.0' RT (CIRCLE)
C15	2.5	5.42	101+06.25, 0.0' (R3)	12+72.46, 20.0' RT (CIRCLE)
C16	3.0	8.96	61+78.92, 4.10' LT (BH)	100+00.00, 0.0' (R3)

* SEE ROUNDABOUT GEOMETRIC LAYOUT FOR ADDITIONAL CURB INFORMATION

L5P = LYTLE-FIVE POINTS, BH = BUNNELL HILL, R1 = R1, R2 = R2, R3 = R3, R4 = R4, CIRCLE = CIRCLE

S:\CIN\3800--3899\Drawings\CAD\Sheets\Splitter Island Details.dgn 11/21/2020 9:57:41 AM carlr

CALCULATED
CJR
CHECKED
JCH

ISLAND DETAILS

WAR-CR46 / TR128 -
ROUNDABOUT

ITEM 614, MAINTAINING TRAFFIC

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

LOCAL ACCESS FOR EMERGENCY VEHICLES SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.

A MINIMUM OF ONE-LANE, TWO-WAY TRAFFIC SHALL BE MAINTAINED ON RED LION FIVE POINTS ROAD FOR THE ENTIRE DURATION OF CONSTRUCTION ACTIVITIES. ANY NECESSARY SHORT-TERM CLOSURES OCCURRING OVERNIGHT OR ON WEEKENDS SHALL BE APPROVED BY THE COUNTY. ALL WORK ASSOCIATED WITH MAINTAINING TRAFFIC ON RED LION FIVE POINTS ROAD, SUCH AS PAVEMENT FOR MAINTAINING TRAFFIC, FLAGGERS, PAVEMENT MARKINGS, AND TEMPORARY SIGNING, SHALL BE INCLUDED IN THE LUMP SUM ITEM FOR MAINTAINING TRAFFIC.

NOTICE OF CLOSURE SIGNS (W20-H13), SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
ROAD	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE COUNTY RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC:

LYTLE-FIVE POINTS RD, JUST EAST OF BUNNELL HILL RD
LYTLE-FIVE POINTS RD, JUST WEST OF BUNNELL HILL RD
BUNNELL HILL RD, JUST SOUTH OF RED LION FIVE POINTS RD
BUNNELL HILL RD, JUST NORTH OF LYTLE-FIVE POINTS RD
RED LION 5 POINTS RD, JUST WEST OF BUNNELL HILL RD

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS FOLLOWS:

ITEM 614, MAINTAINING TRAFFIC (CONTINUED)

LYTLE-FIVE POINTS RD, JUST EAST OF ARBOR HILLS DR
LYTLE-FIVE POINTS RD, JUST WEST OF SUMMIT POINTE DR
BUNNELL HILL RD, JUST SOUTH OF RED LION FIVE POINTS RD
BUNNELL HILL RD, JUST SOUTH OF SHADY POINTE DR
RED LION 5 POINTS RD, JUST WEST OF BUNNELL HILL RD

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES INCIDENTAL TO ITEM 614 - MAINTAINING TRAFFIC:

ITEM 616, WATER 10 M. GAL

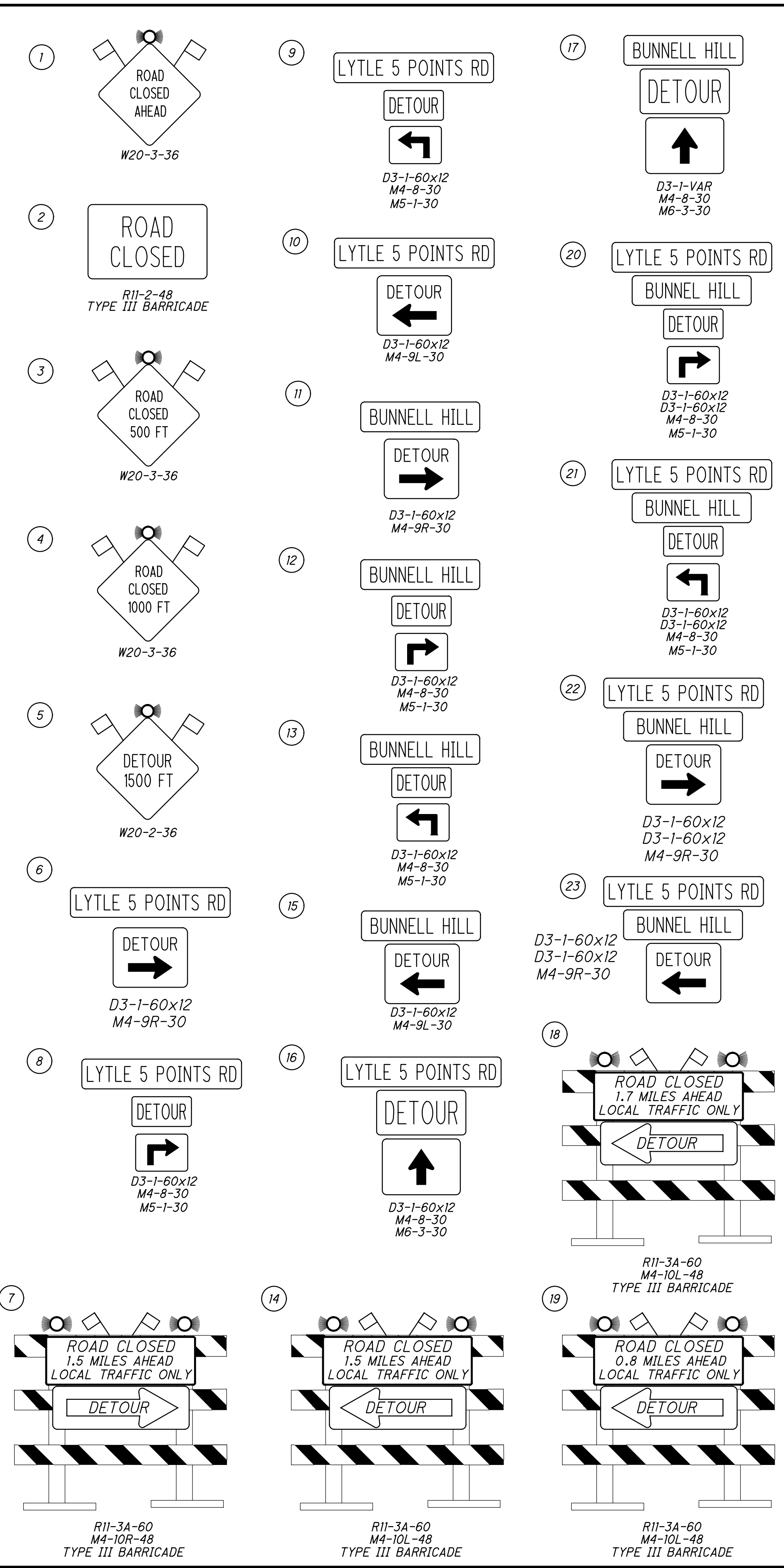
S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\MOT_General_Notes.dgn 11/21/2020 9:57:43 AM carlr

CALCULATED
CJR
CHECKED
JCH

MOT GENERAL NOTES

**WAR-CR 46 / TR128 -
ROUNDAABOUT**

S:\CIN\3800--3899\Drawings\CAD\Sheets\MOT - Detour Plan.dgn 11/2/2020 2:01:14 PM carl



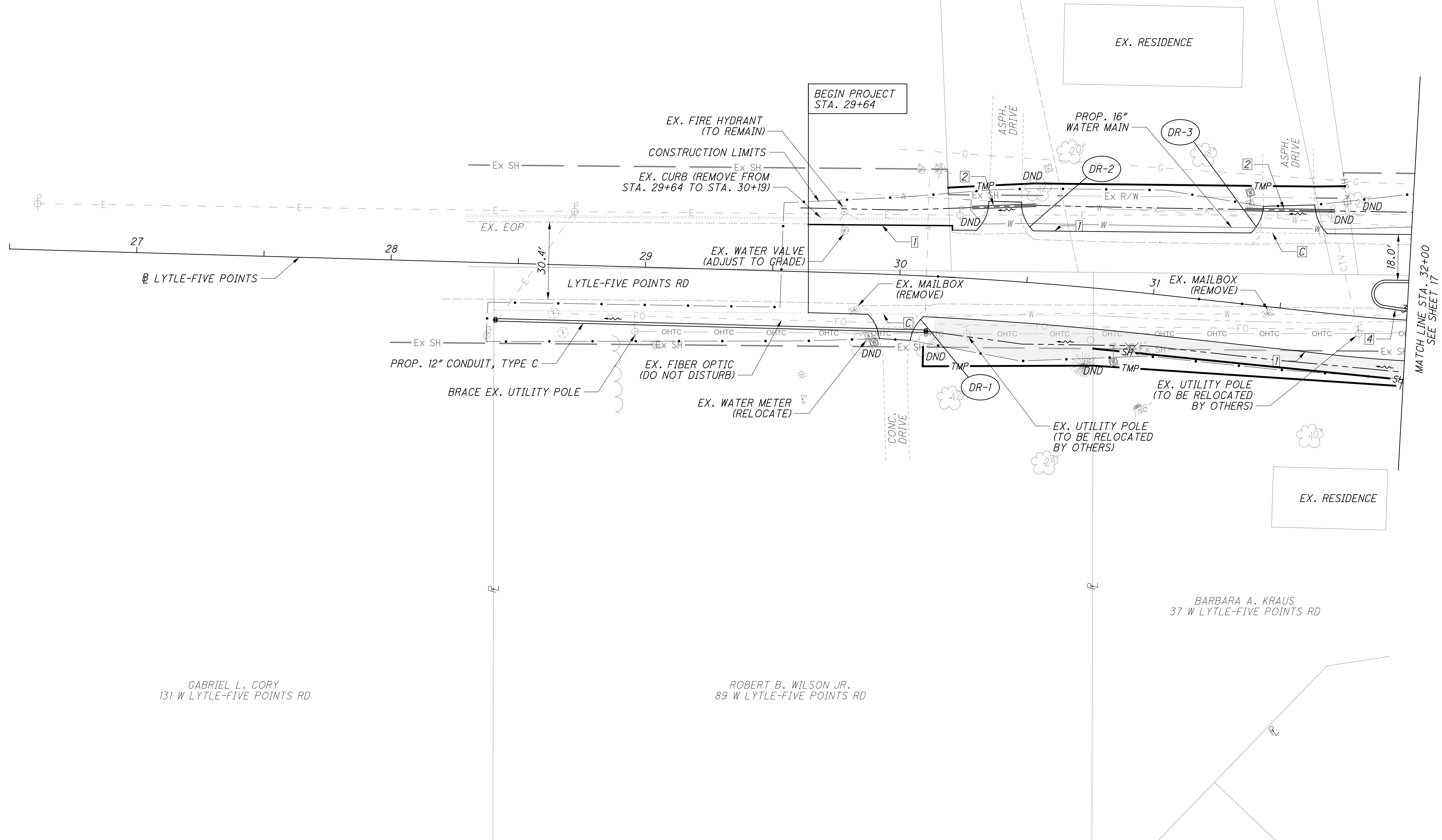
- 1 PROP. EDGE OF PAVEMENT
- 2 PROP. 12" DRIVE PIPE
- 3 PROP. CURB, TYPE 6
- 4 PROP. CURB, TYPE 3-B
- 5 PROP. CURB AND GUTTER, TYPE 2
- C EX. DRIVE PIPE (REMOVE)

POST CONSTRUCTION BMP - VEGETATED BIOFILTER

N

0 10 20 30 40
HORIZONTAL
SCALE IN FEET

CALCULATED	CJR	CHECKED	JCH
------------	-----	---------	-----



**PLAN SHEET - LYTLE-FIVE POINTS RD
STA. 26+50 TO STA. 32+00**

**WAR-CR46 / TR128 -
ROUNDAABOUT**

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Plan_1.dgn 11/2/2020 9:57:44 AM carl

GABRIEL L. CORY
131 W LYTLE-FIVE POINTS RD

ROBERT B. WILSON JR.
89 W LYTLE-FIVE POINTS RD

BARBARA A. KRAUS
37 W LYTLE-FIVE POINTS RD

HRC INVESTMENTS INC.
64 LYTLE-FIVE POINTS RD

HRC INVESTMENTS INC.
30 LYTLE-FIVE POINTS RD

EX. RESIDENCE

EX. RESIDENCE

BEGIN PROJECT
STA. 29+64

MATCH LINE STA. 32+00
SEE SHEET 17



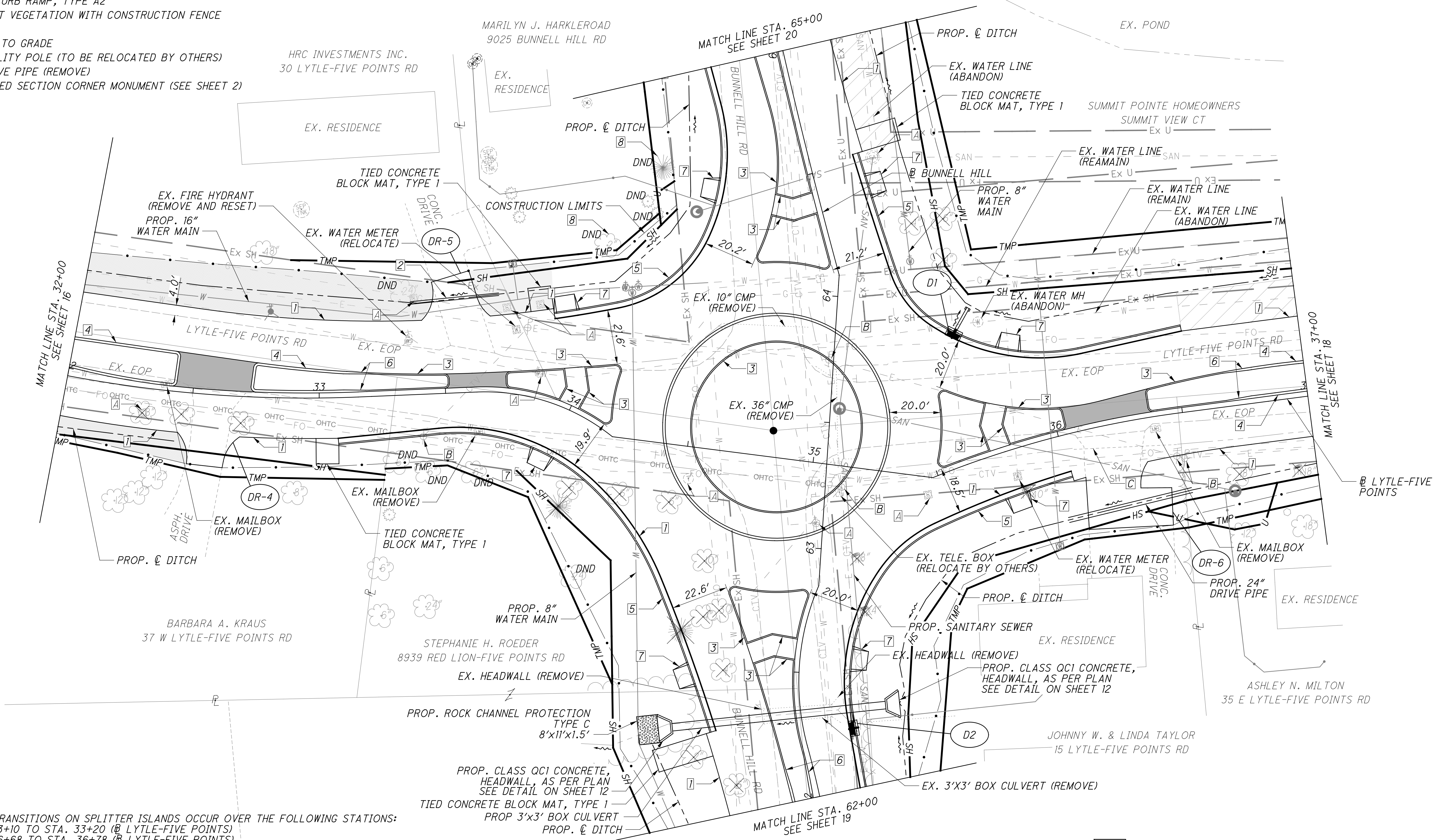
CALCULATED
CJR
CHECKED
JCH

PLAN SHEET - LYTLE-FIVE POINTS RD
STA. 32+00 TO STA. 37+00

WAR-CR46 / TR128 -
ROUNDAABOUT

- 1 PROP. EDGE OF PAVEMENT
- 2 PROP. 12" DRIVE PIPE
- 3 PROP. CURB, TYPE 6
- 4 PROP. CURB, TYPE 3-B
- 5 PROP. CURB AND GUTTER, TYPE 2
- 6 CURB TRANSITION (SEE NOTE 1)
- 7 PROP. CURB RAMP, TYPE A2
- 8 PROTECT VEGETATION WITH CONSTRUCTION FENCE

- A ADJUST TO GRADE
- B EX. UTILITY POLE (TO BE RELOCATED BY OTHERS)
- C EX. DRIVE PIPE (REMOVE)
- PROPOSED SECTION CORNER MONUMENT (SEE SHEET 2)



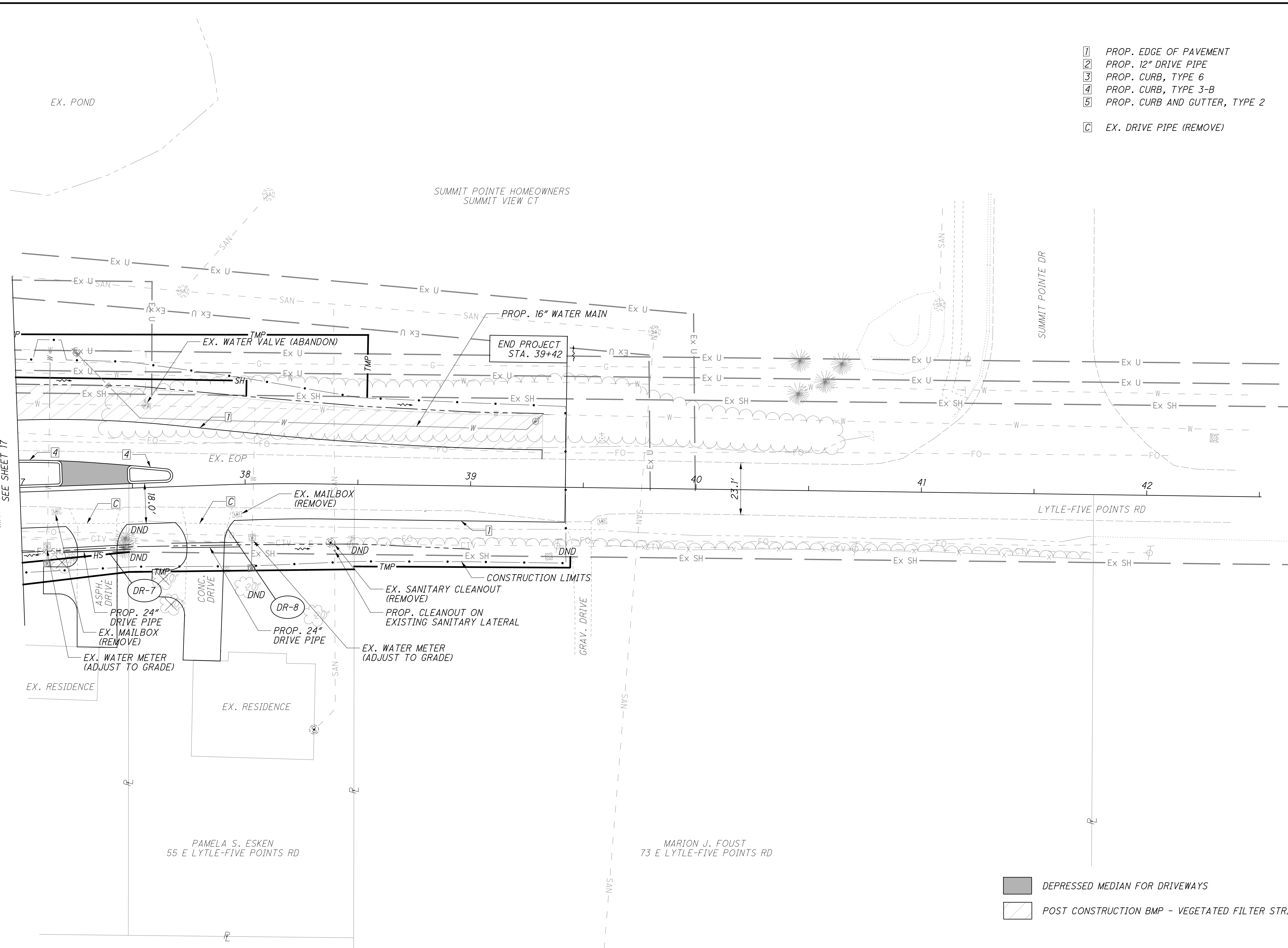
NOTE:
 1. CURB TRANSITIONS ON SPLITTER ISLANDS OCCUR OVER THE FOLLOWING STATIONS:
 STA. 33+10 TO STA. 33+20 @ LYTLE-FIVE POINTS
 STA. 36+68 TO STA. 36+78 @ LYTLE-FIVE POINTS
 STA. 62+06 TO STA. 62+16 @ BUNNELL HILL

- DEPRESSED MEDIAN FOR DRIVEWAYS
- POST CONSTRUCTION BMP - VEGETATED FILTER STRIP
- POST CONSTRUCTION BMP - VEGETATED BIOFILTER

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Plan_2.dgn 11/2/2020 9:57:45 AM carlr

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Plan_3.dgn 11/2/2020 9:57:46 AM carlr

MATCH LINE STA. 37+00
SEE SHEET 17



- 1 PROP. EDGE OF PAVEMENT
- 2 PROP. 12" DRIVE PIPE
- 3 PROP. CURB, TYPE 6
- 4 PROP. CURB, TYPE 3-B
- 5 PROP. CURB AND GUTTER, TYPE 2
- C EX. DRIVE PIPE (REMOVE)

CALCULATED
CJR
CHECKED
JCH

0 10 20 40
HORIZONTAL
SCALE IN FEET

**PLAN SHEET - LYTLE-FIVE POINTS RD
STA. 37+00 TO STA. 42+50**

**WAR-CR46 / TR128 -
ROUNDAABOUT**

- DEPRESSED MEDIAN FOR DRIVEWAYS
- POST CONSTRUCTION BMP - VEGETATED FILTER STRIP

- 1 PROP. EDGE OF PAVEMENT
- 2 PROP. 12" DRIVE PIPE
- 3 PROP. CURB, TYPE 6
- 4 PROP. CURB, TYPE 3-B
- 5 PROP. CURB AND GUTTER, TYPE 2

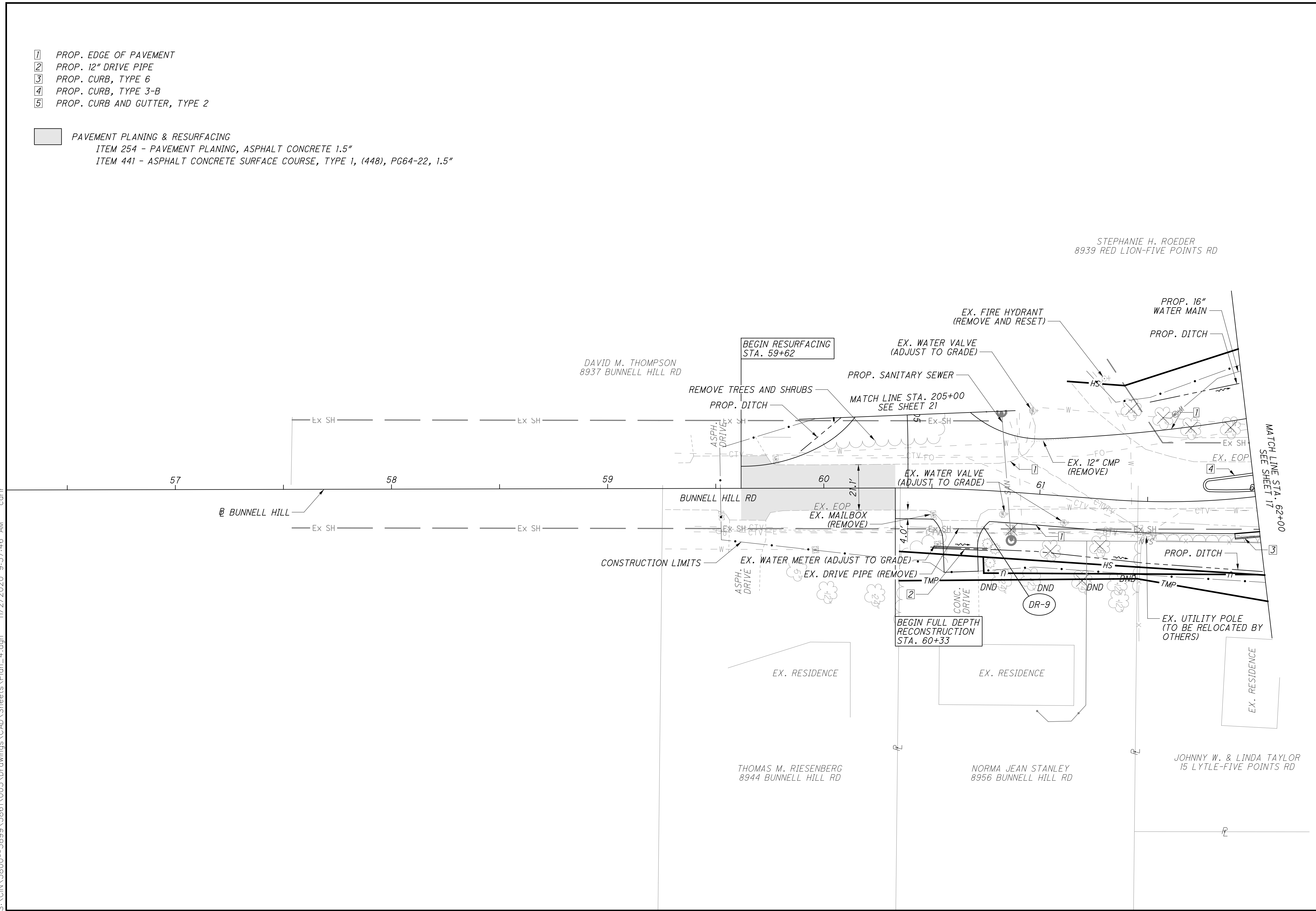
PAVEMENT PLANING & RESURFACING
 ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE 1.5"
 ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22, 1.5"

N

HORIZONTAL
SCALE IN FEET

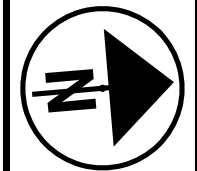
CALCULATED	CJR	JCH
	CHECKED	

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Plan_4.dgn 11/2/2020 9:57:46 AM carlr



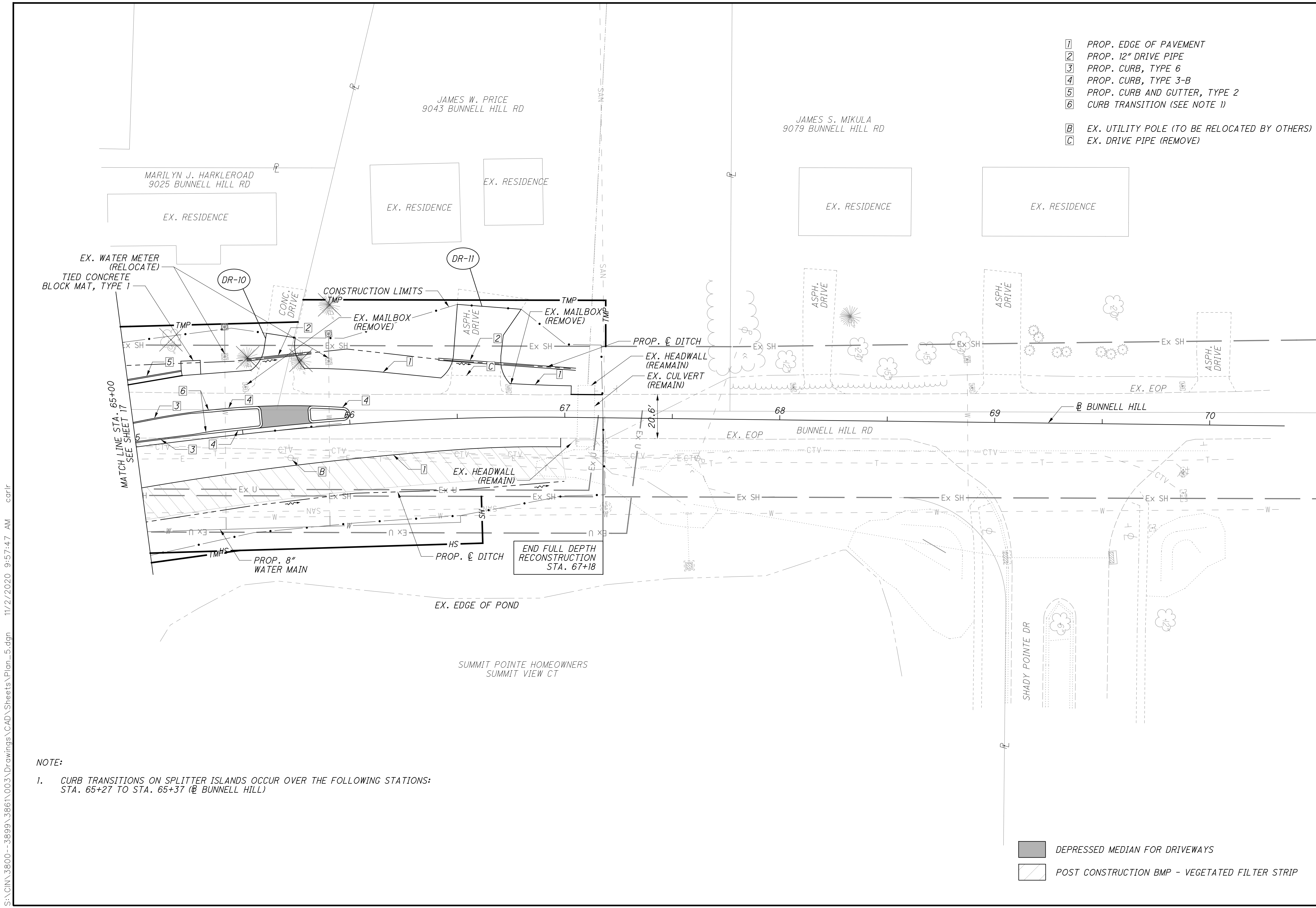
PLAN SHEET - BUNNELL HILL RD
STA. 56+50 TO STA. 62+00

WAR-CR46 / TR128 -
ROUNDAABOUT



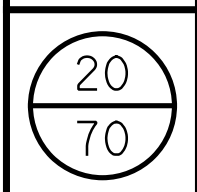
CALCULATED
CUR
CHECKED
JCH

- 1 PROP. EDGE OF PAVEMENT
 - 2 PROP. 12" DRIVE PIPE
 - 3 PROP. CURB, TYPE 6
 - 4 PROP. CURB, TYPE 3-B
 - 5 PROP. CURB AND GUTTER, TYPE 2
 - 6 CURB TRANSITION (SEE NOTE 1)
-
- B EX. UTILITY POLE (TO BE RELOCATED BY OTHERS)
 - C EX. DRIVE PIPE (REMOVE)



**PLAN SHEET - BUNNELL HILL RD
STA. 65+00 TO STA. 70+50**

**WAR-CR46 / TR128 -
ROUNDABOUT**



NOTE:
1. CURB TRANSITIONS ON SPLITTER ISLANDS OCCUR OVER THE FOLLOWING STATIONS:
STA. 65+27 TO STA. 65+37 (@ BUNNELL HILL)

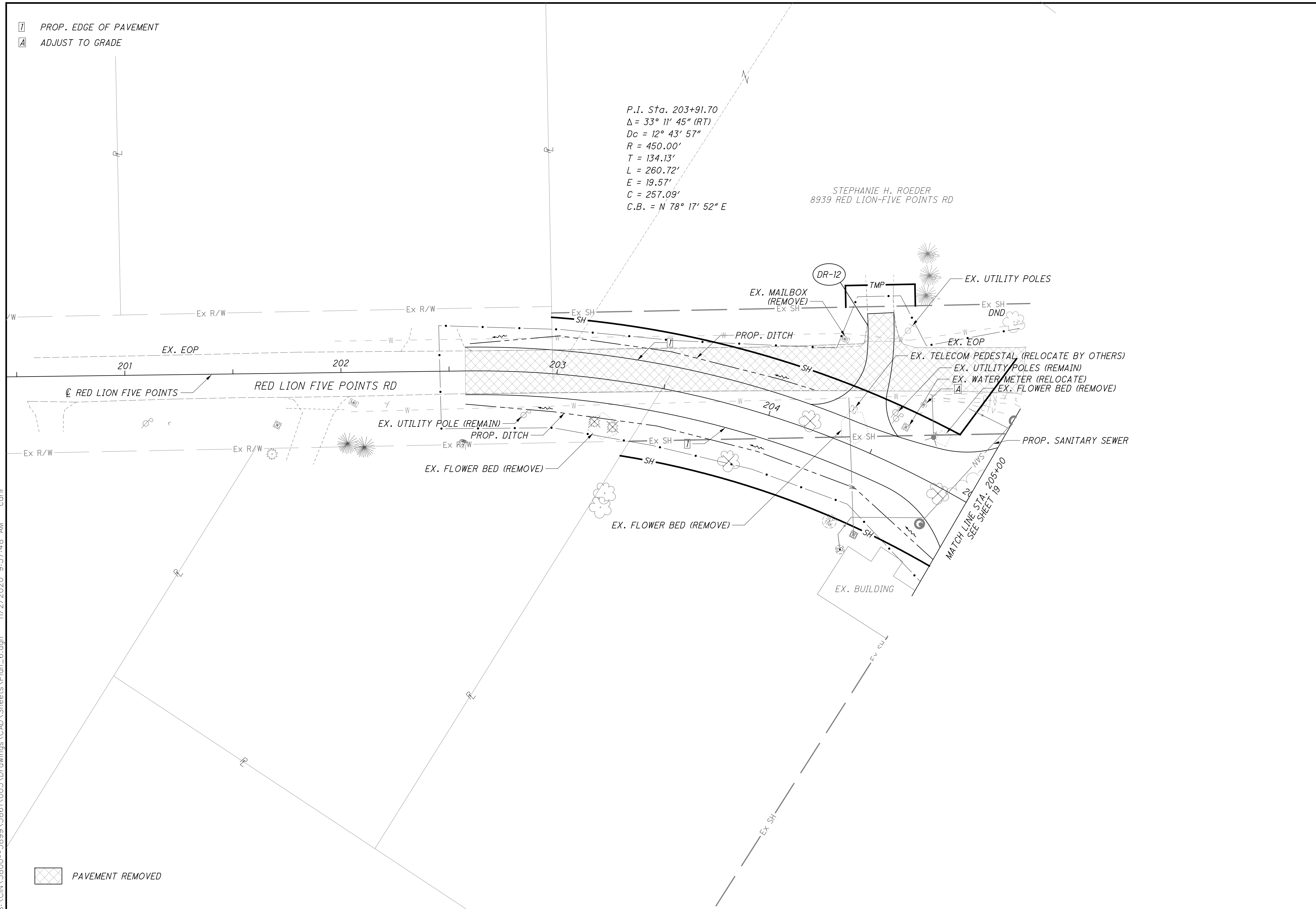
- DEPRESSED MEDIAN FOR DRIVEWAYS
- POST CONSTRUCTION BMP - VEGETATED FILTER STRIP

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Plan_5.dgn 11/2/2020 9:57:47 AM carlr

I PROP. EDGE OF PAVEMENT
A ADJUST TO GRADE

P.I. Sta. 203+91.70
 $\Delta = 33^\circ 11' 45''$ (RT)
 $Dc = 12^\circ 43' 57''$
 $R = 450.00'$
 $T = 134.13'$
 $L = 260.72'$
 $E = 19.57'$
 $C = 257.09'$
 C.B. = N $78^\circ 17' 52''$ E

STEPHANIE H. ROEDER
 8939 RED LION-FIVE POINTS RD



PAVEMENT REMOVED

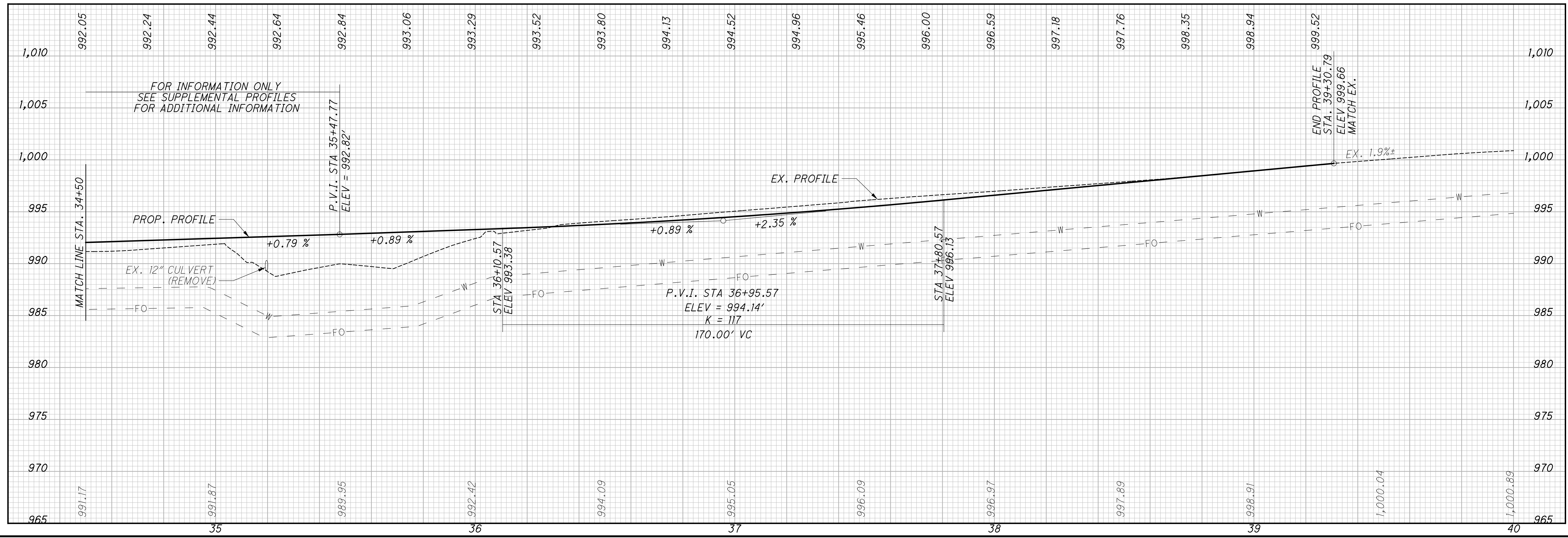
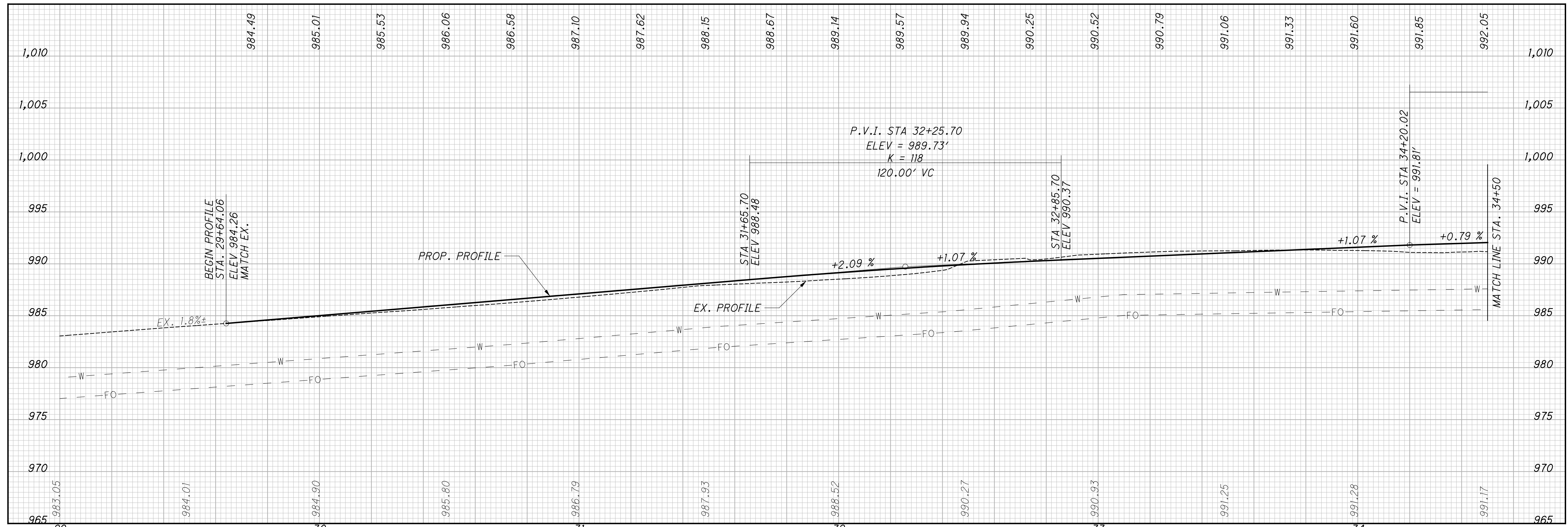


CALCULATED
 C.J.R.
 CHECKED
 J.C.H.

PLAN & PROFILE - RED LION FIVE POINTS RD
STA. 200+50 TO STA. 205+00

WAR-CR46 / TR128 -
ROUNDABOUT

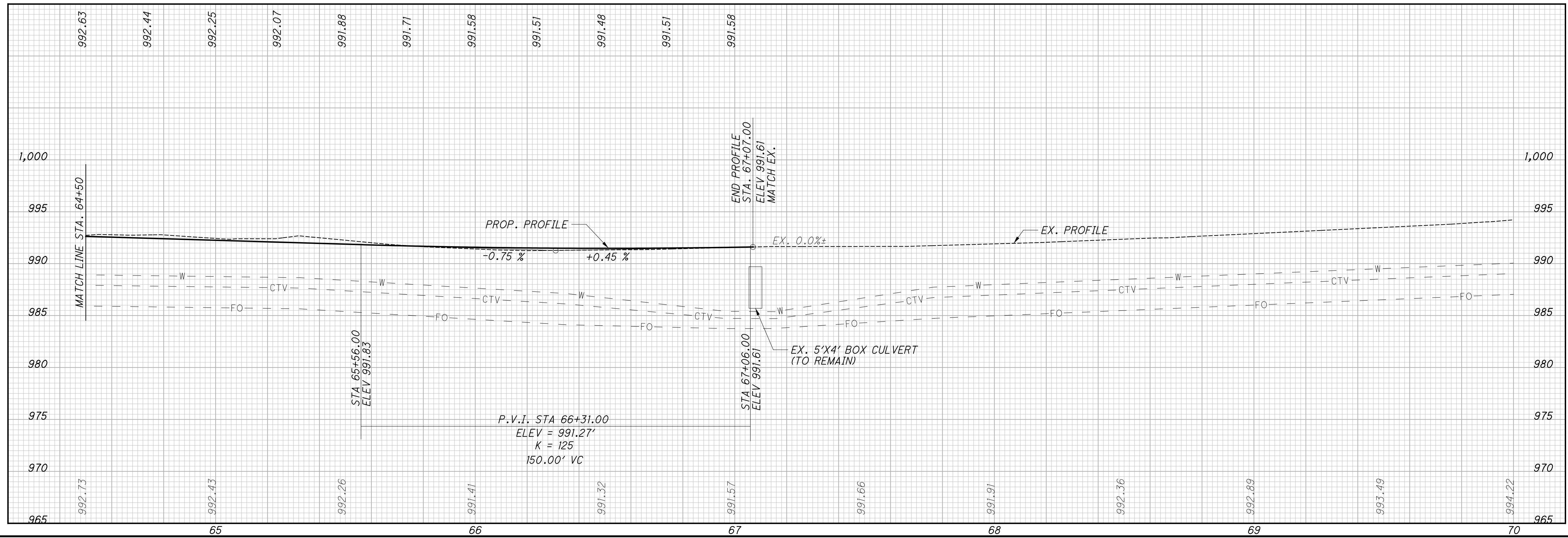
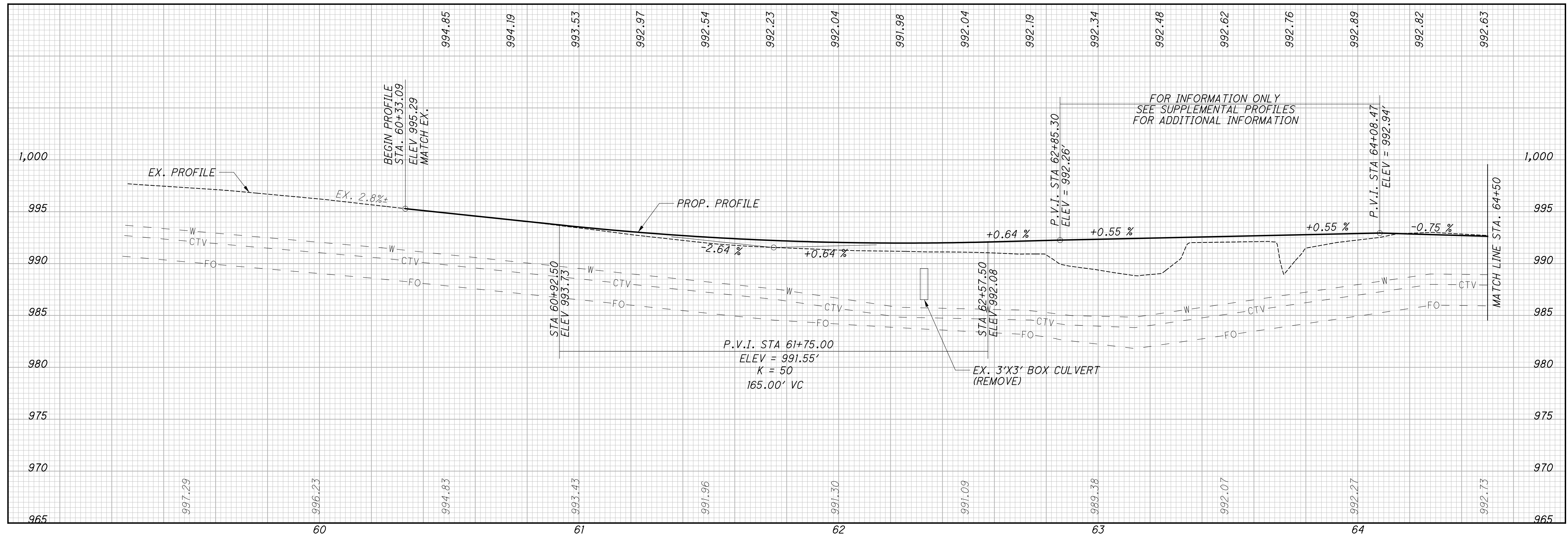
S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Plan_6.dgn 11/2/2020 9:57:48 AM carlr



CALCULATED
CJR
CHECKED
JCH

**PROFILE
BASELINE
LYTLE-FIVE POINTS**

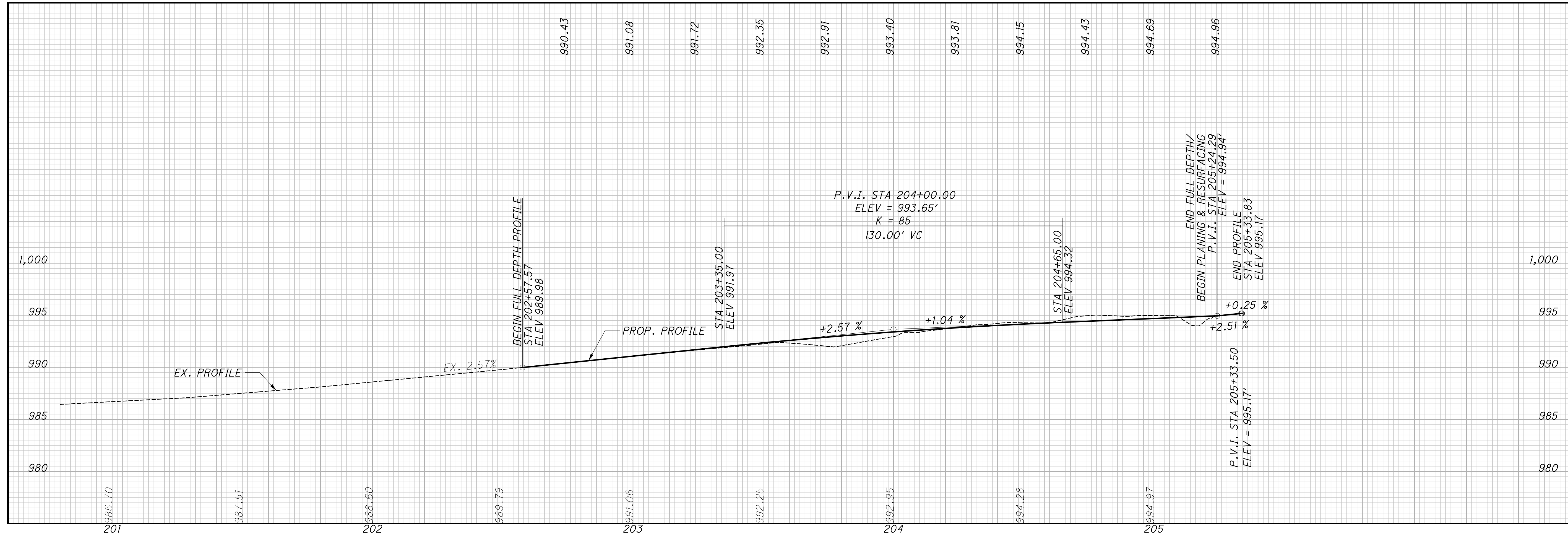
**WAR-CR46 / TR128 -
ROUNDAABOUT**



CALCULATED
CJR
CHECKED
JCH

PROFILE BUNNELL HILL

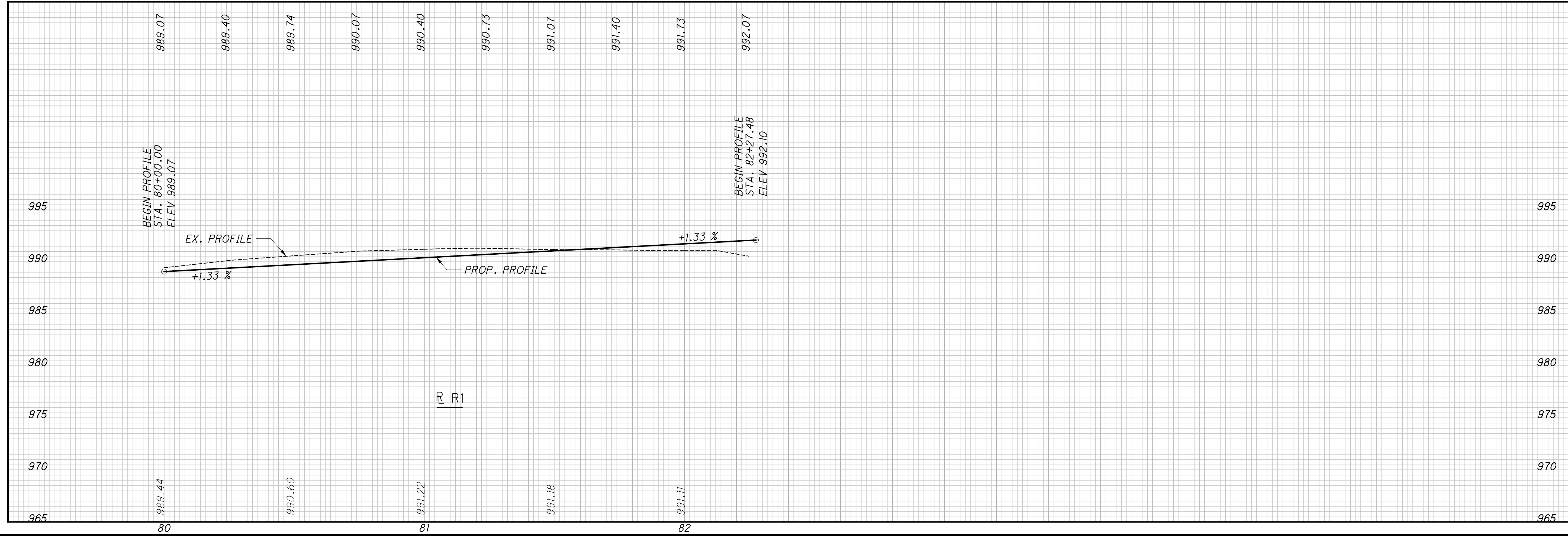
WAR-CR46 / TR128 - ROUNDABOUT

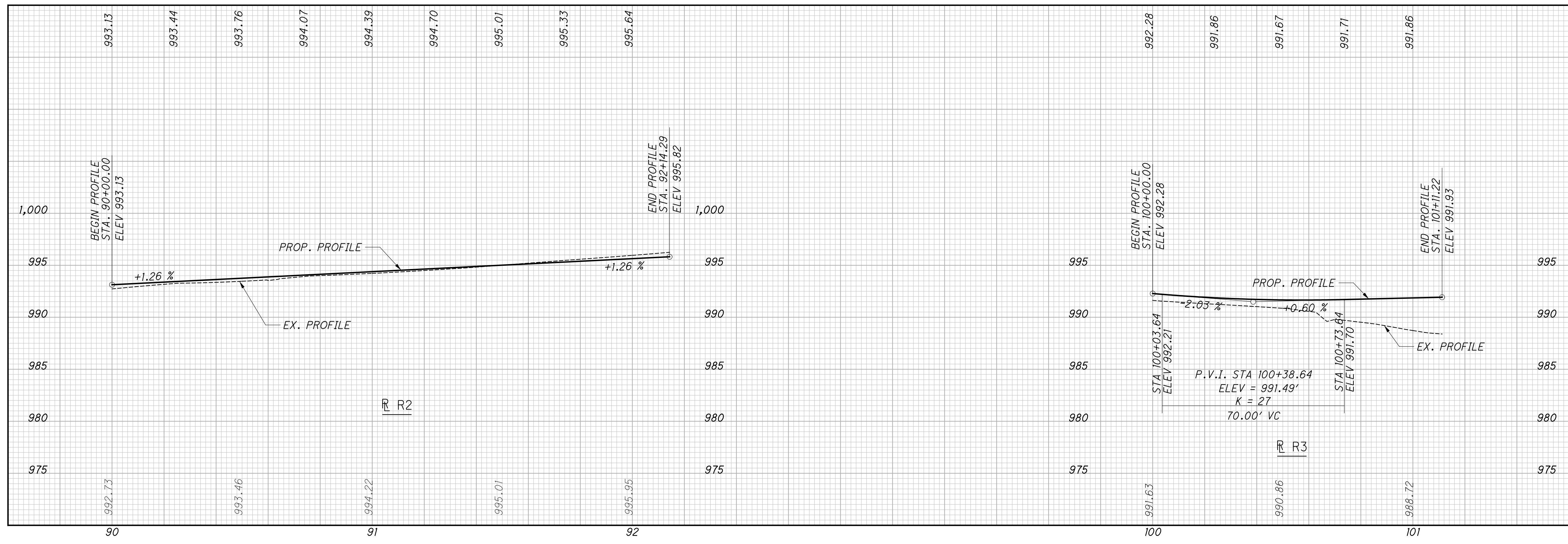
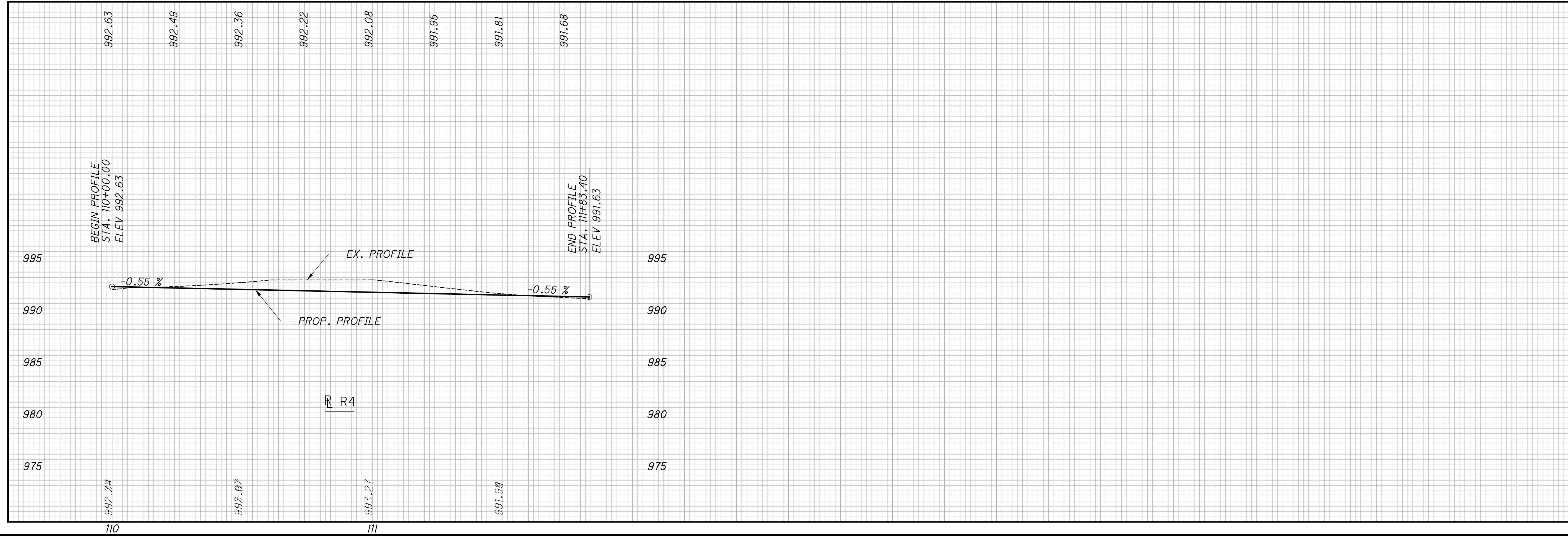


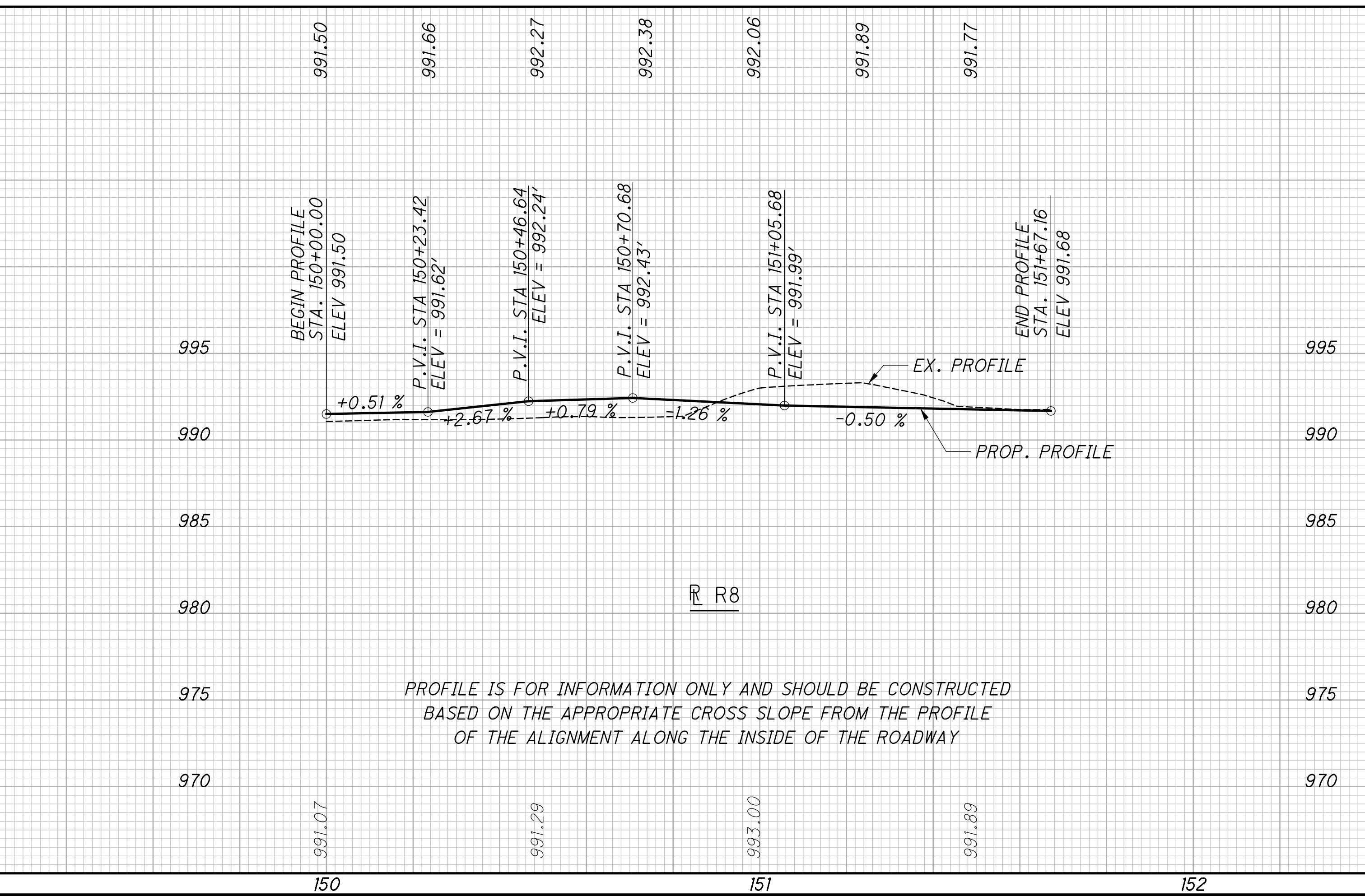
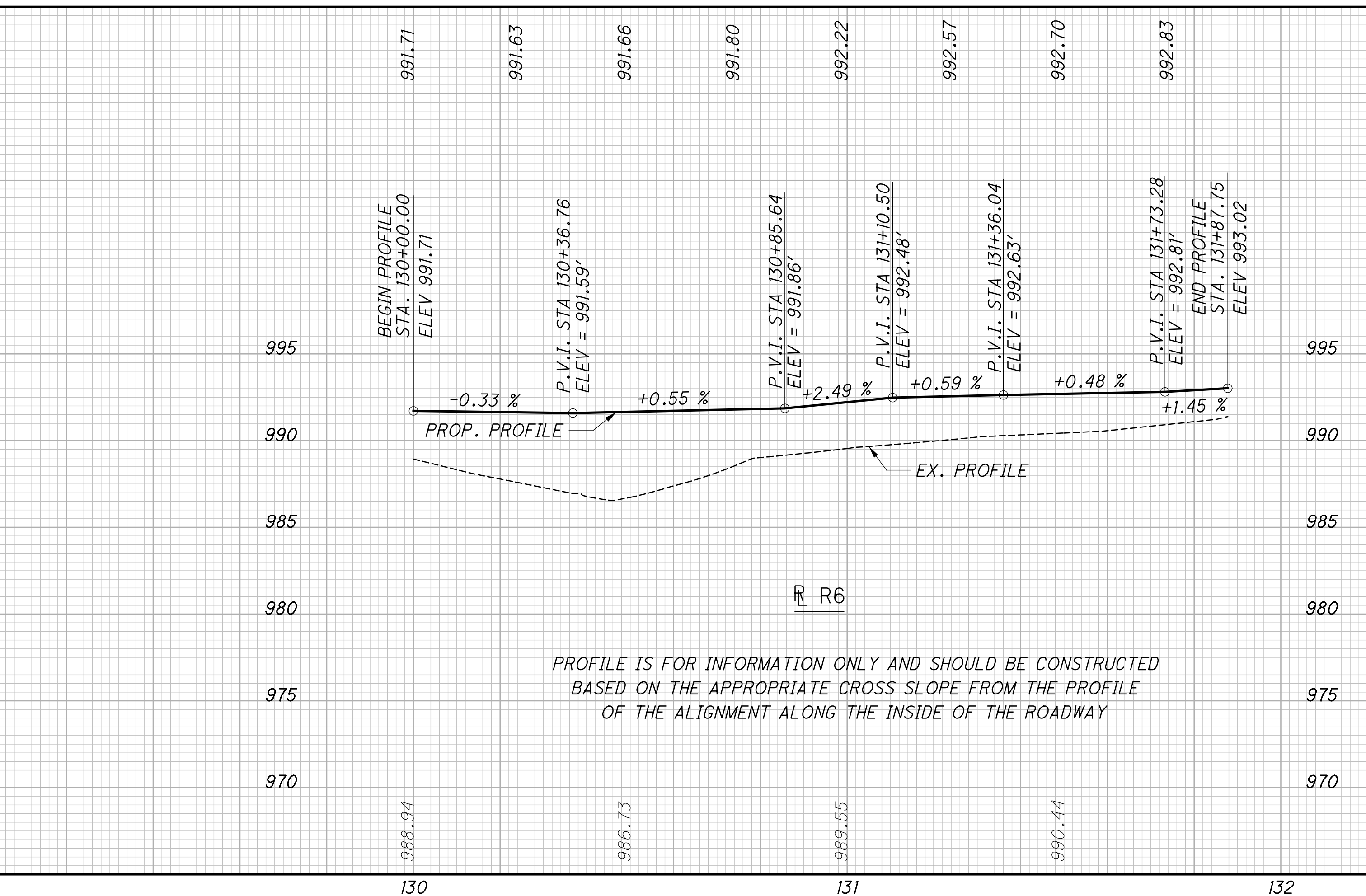
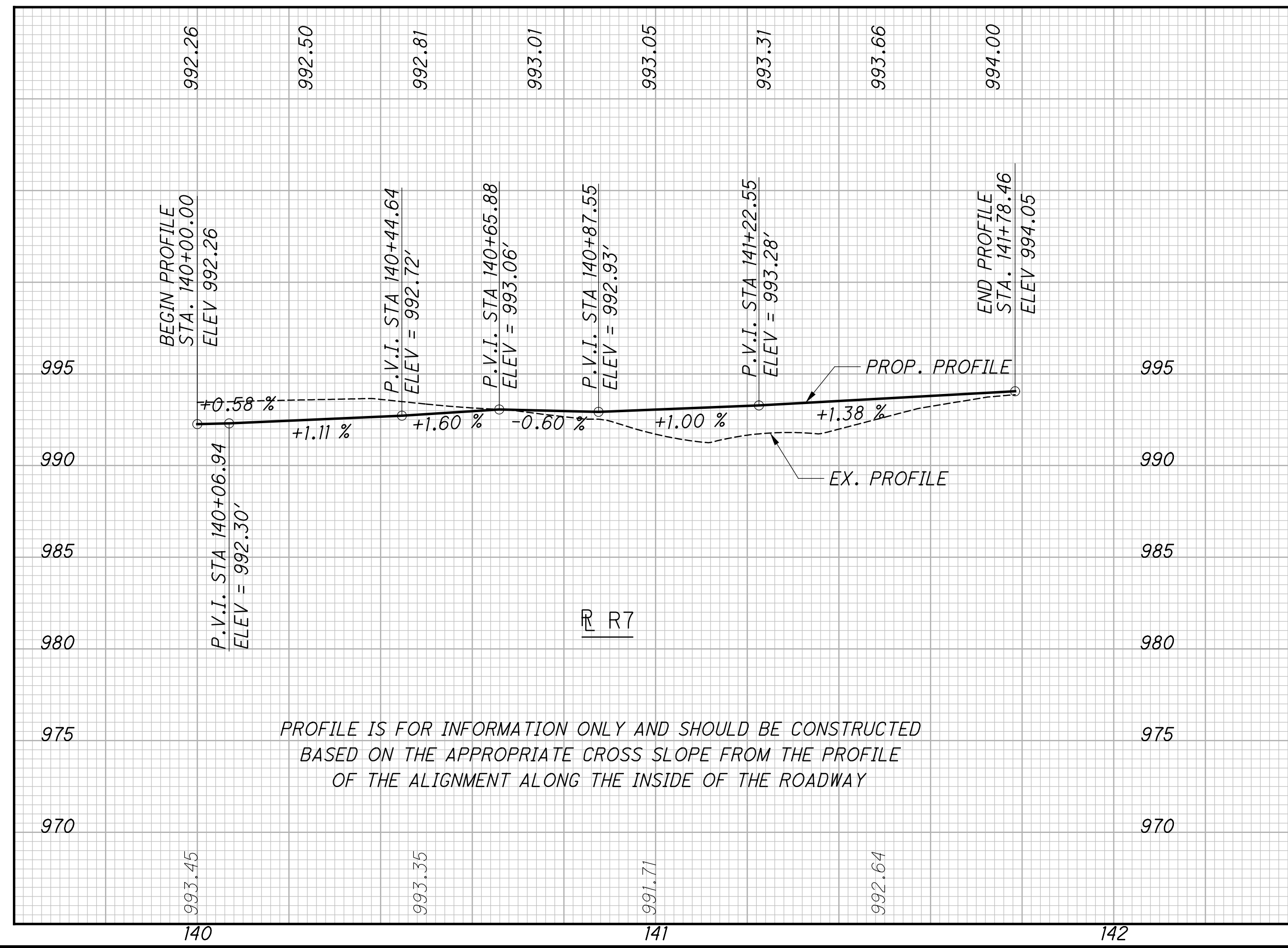
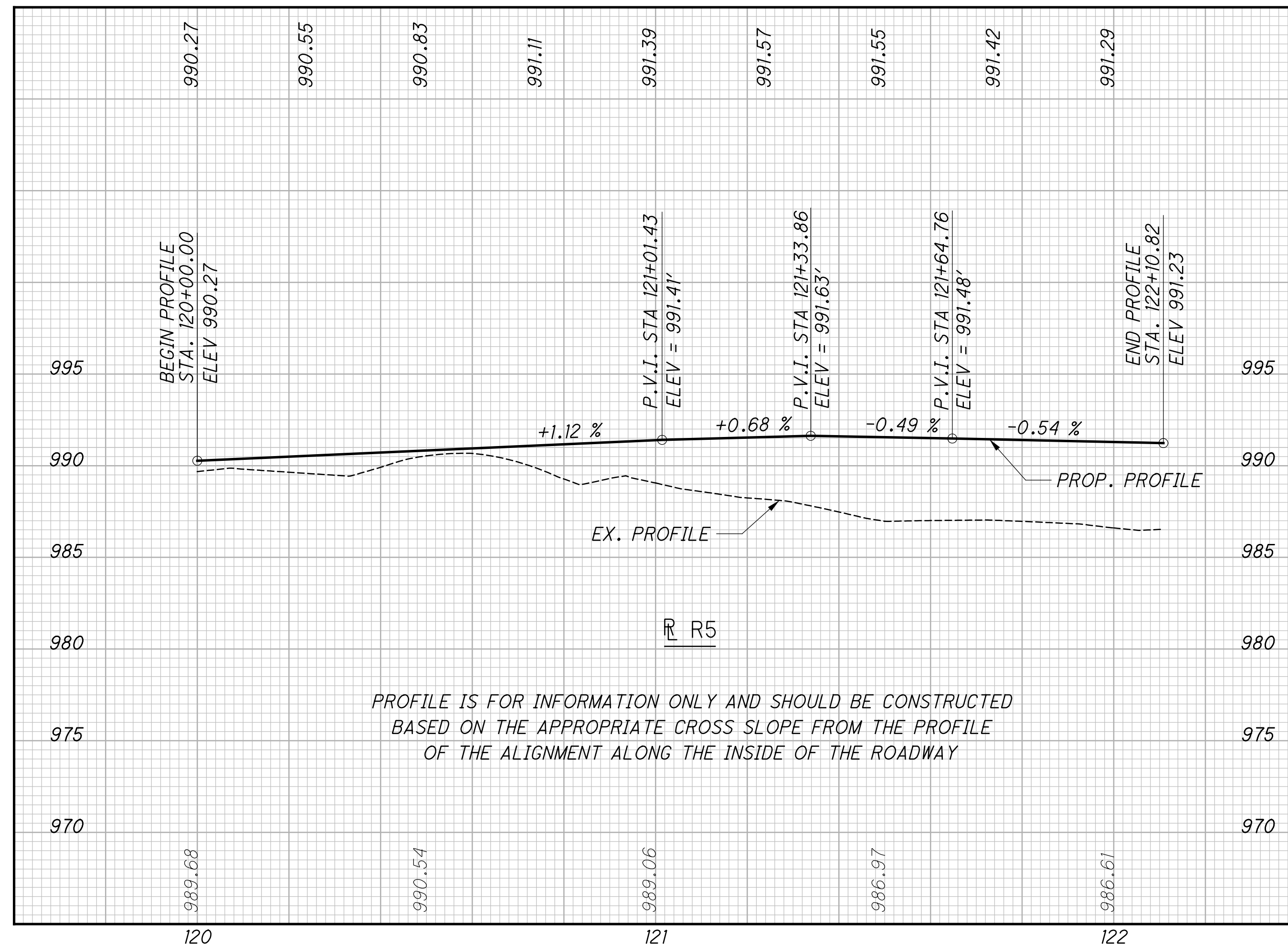
CALCULATED
CJR
CHECKED
JCH

**PROFILE
CENTERLINE RED LION FIVE POINTS**

**WAR-CR46 / TR128 -
ROUNDAABOUT**

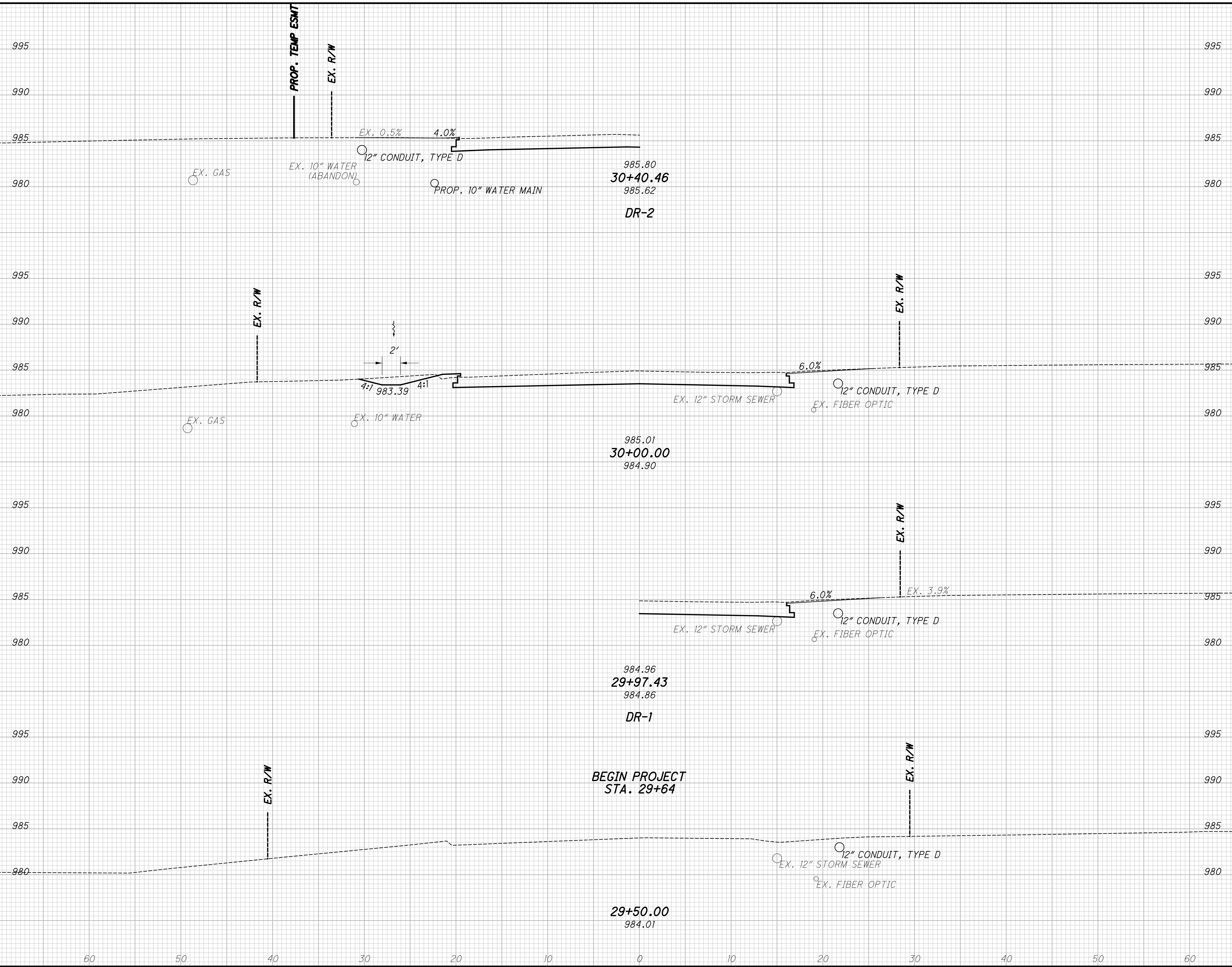






S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\1111XS001.dgn 11/2/2020 9:57:51 AM carlr

SEEDING	
END WIDTH	SO. YDS.
60	995
50	990
40	985
30	980
20	985
10	990
0	995
10	990
20	985
30	980
40	985
50	990
60	995



END AREA		VOLUME	
CUT	FILL	CUT	FILL

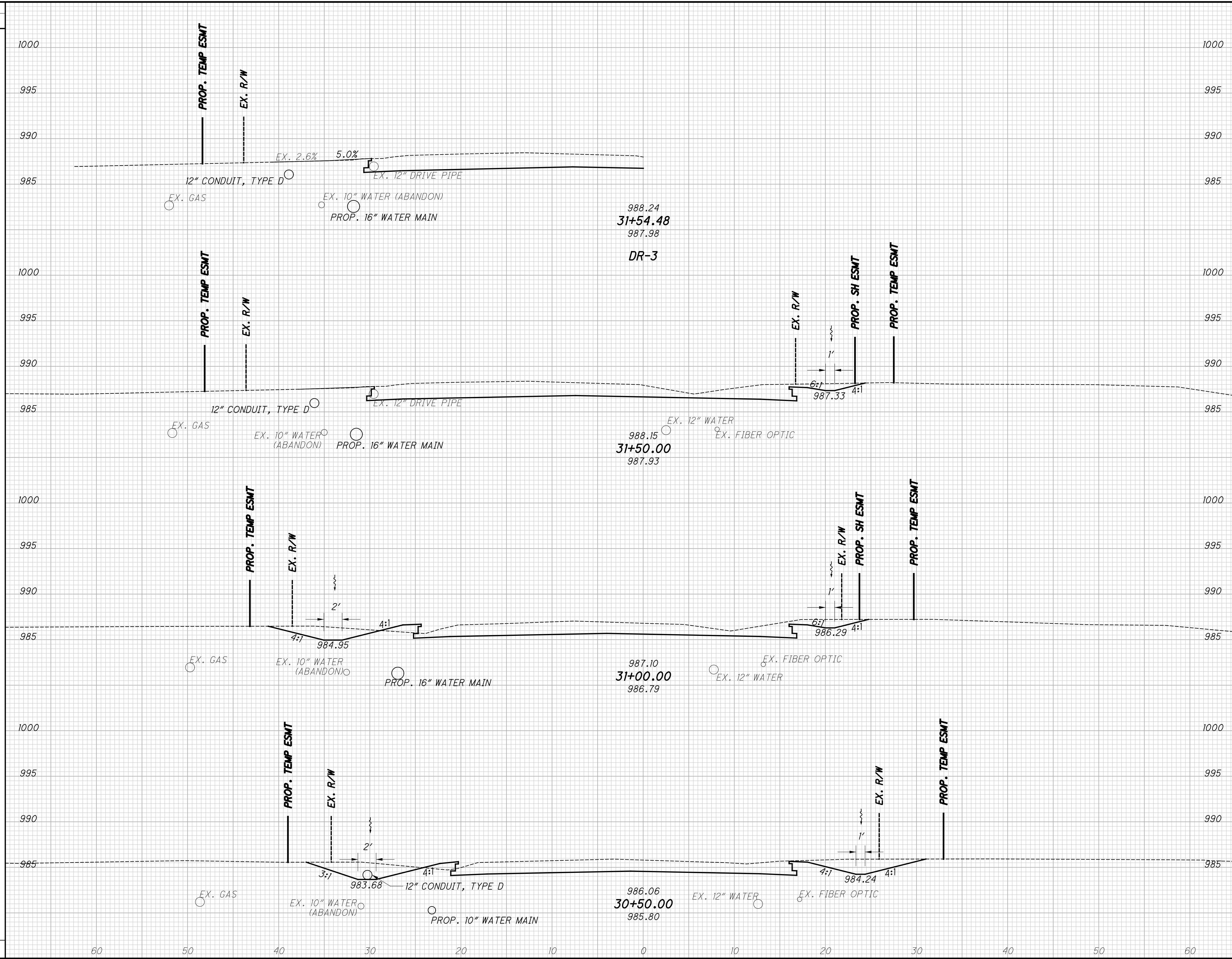
CROSS SECTIONS
STA. 29+50.00 TO STA. 30+40.46

WAR-CR46 / TR128 - ROUNDABOUT

CALCULATED
 CJR
 CHECKED
 JCH

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\1111XS002.dgn 11/2/2020 9:57:52 AM carl

SEEDING
END WIDTH SO. YDS.



END AREA	VOLUME	CALCULATED		CHECKED	
		CUT	FILL	CJR	JCH

CROSS SECTIONS
STA. 30+50.00 TO STA. 31+54.48

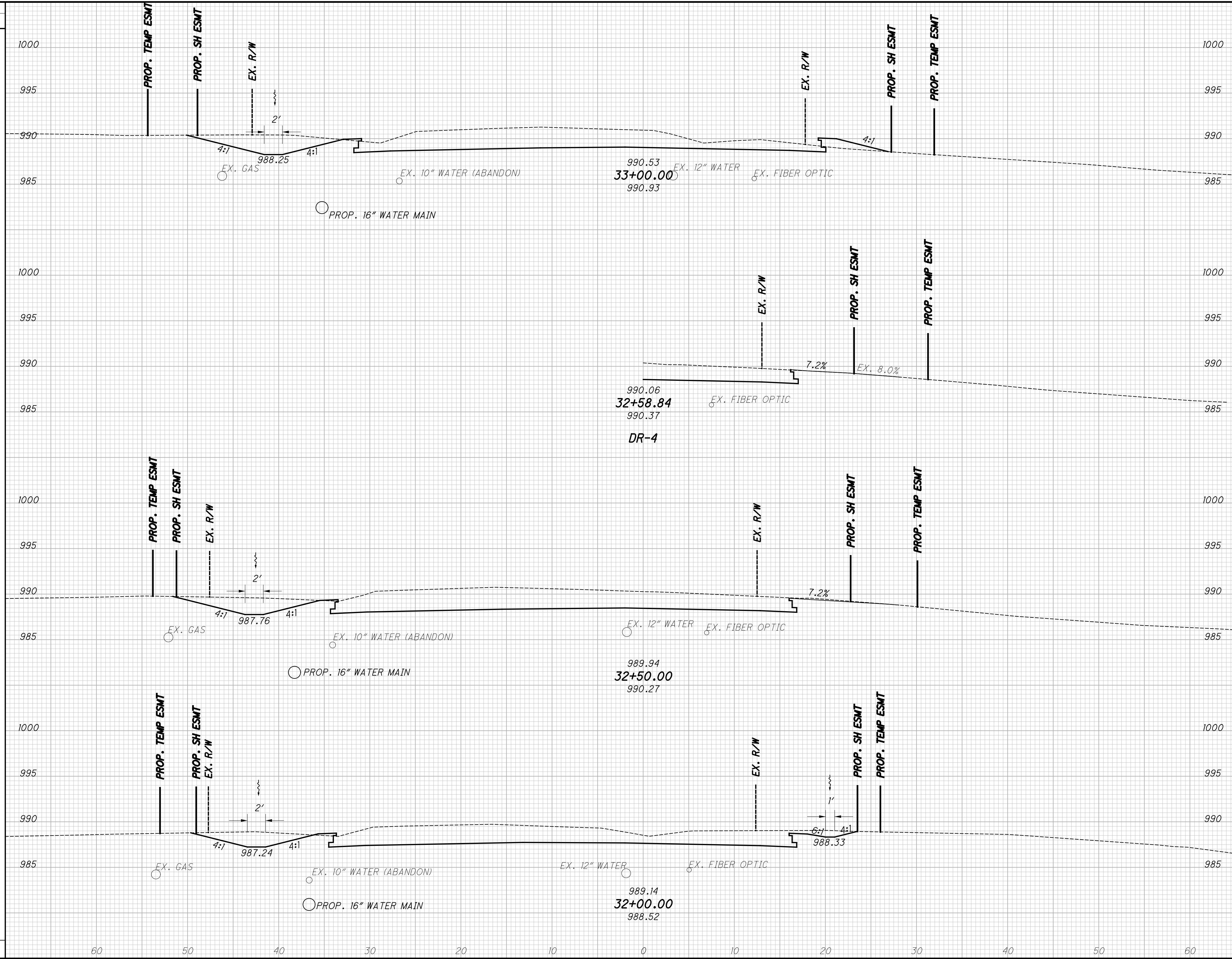
WAR-CR46 / TR128 -
ROUNDABOUT

29
70

S:\CIN\3800--3899\Drawings\CAD\Sheets\1111XS003.dgn 11/2/2020 9:57:53 AM carl

SEEDING

END WIDTH	SO. YDS.



END AREA		VOLUME	
CUT	FILL	CUT	FILL

CALCULATED
CJR
CHECKED
JCH

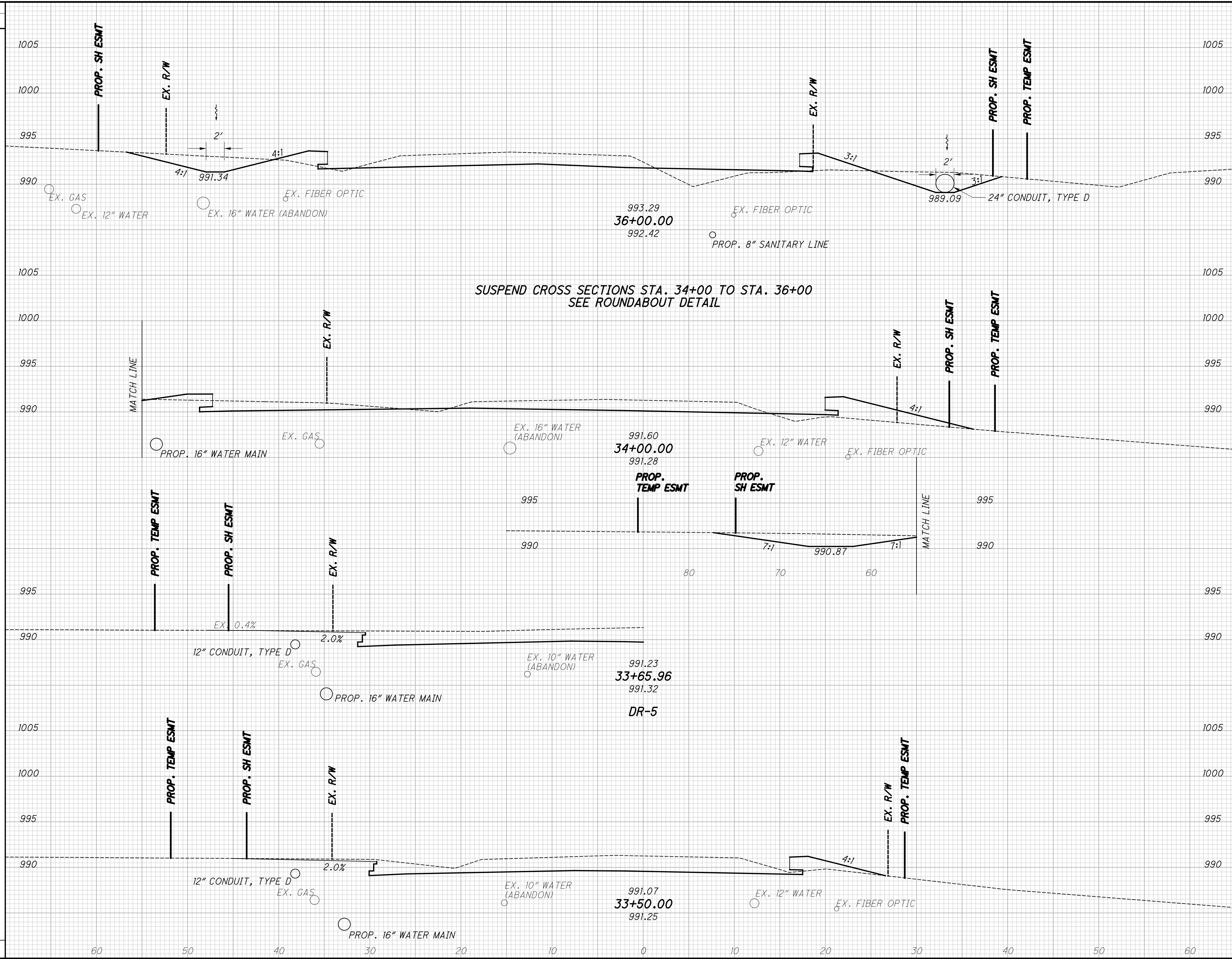
WAR-CR46 / TR128 - ROUNDABOUT

CROSS SECTIONS STA. 32+00.00 TO STA. 33+00.00

30
70

S:\CIN\3800--3899\003\Drawings\CAD\Sheets\1111XS004.dgn 11/2/2020 9:57:53 AM carlr

SEEDING
END SO.
WIDTH YDS.



END AREA	VOLUME	CALCULATED		CHECKED	JCH
		CUT	FILL		

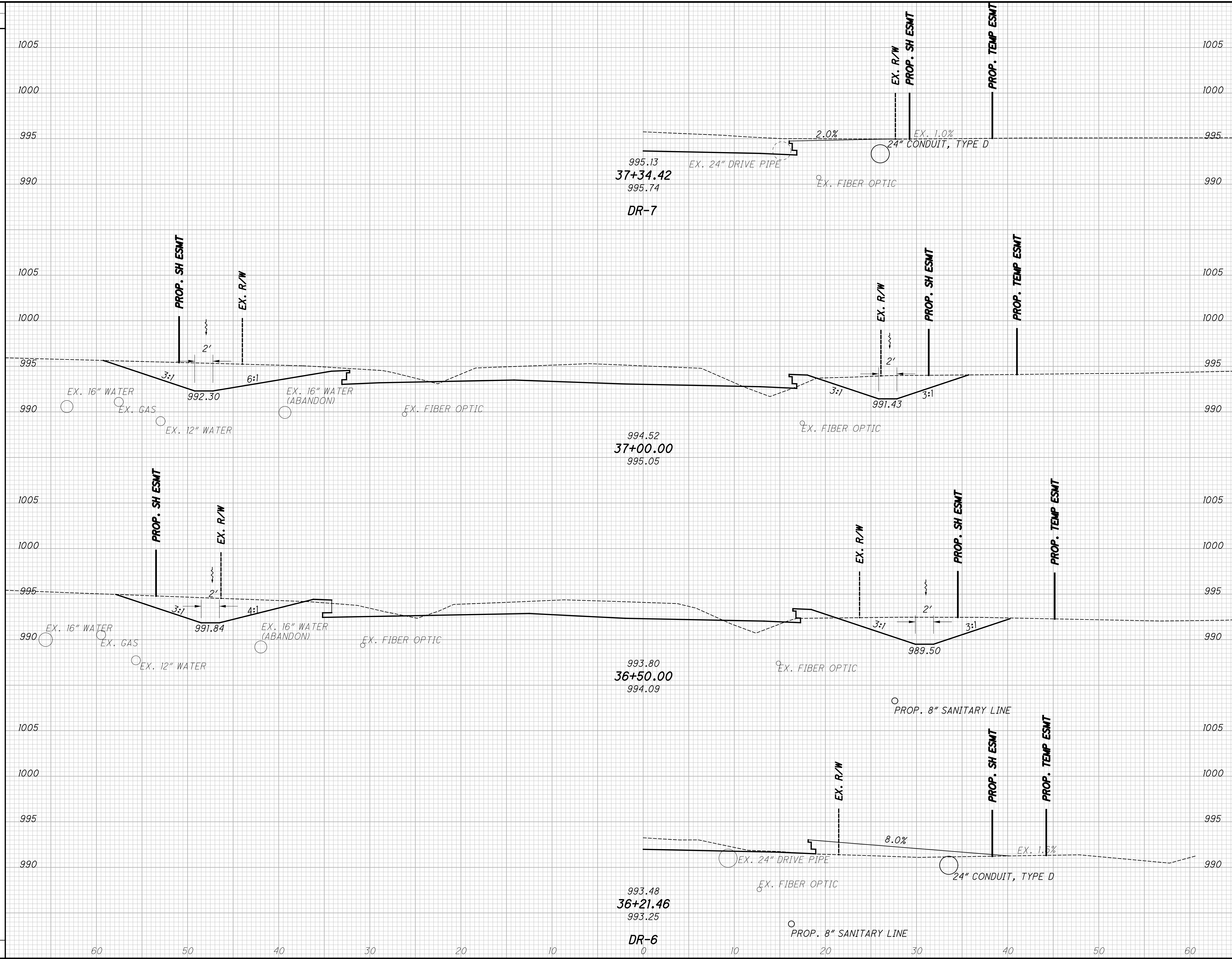
CROSS SECTIONS
STA. 33+50.00 TO STA. 36+00.00
WAR-CR46 / TR128 -
ROUNDABOUT

31
70

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\1111XS005.dgn 11/2/2020 9:57:54 AM carlr

SEEDING

END WIDTH	SO. YDS.
60	0
50	10
40	20
30	30
20	40
10	50
0	60



END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	CJR	JCH

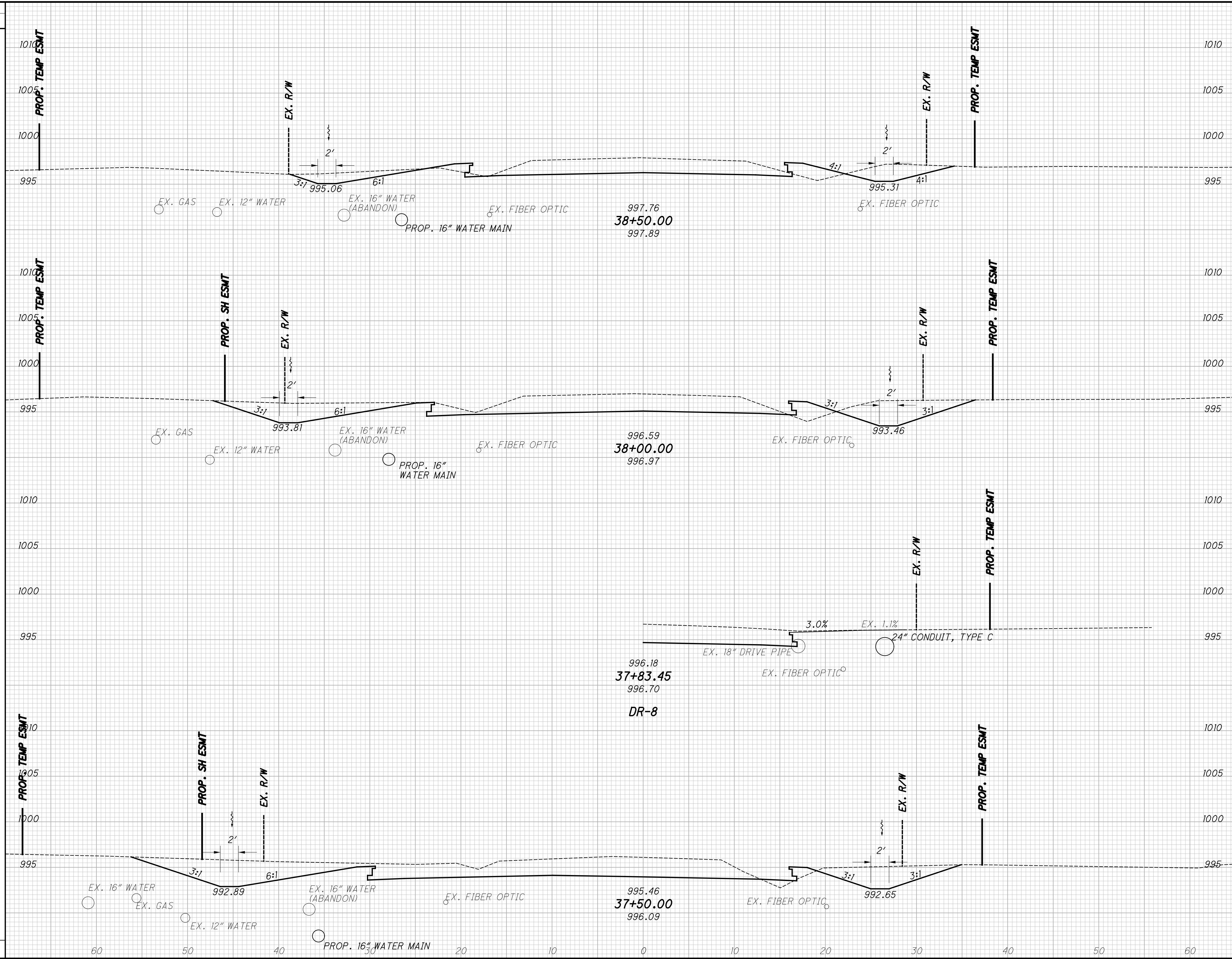
WAR-CR46 / TR128 - ROUNDABOUT

CROSS SECTIONS STA. 36+21.46 TO STA. 37+34.42

32 / 70

S:\CIN\3800--3899\003\Drawings\CAD\Sheets\1111XS006.dgn 11/2/2020 9:57:55 AM carl

SEEDING
END SO.
WIDTH YDS.



END AREA		VOLUME		CALCULATED	CHECKED
CUT	FILL	CUT	FILL	CJR	JCH

WAR-CR46 / TR128 - ROUNDABOUT
CROSS SECTIONS STA. 37+50.00 TO STA. 38+50.00
 33 / 70

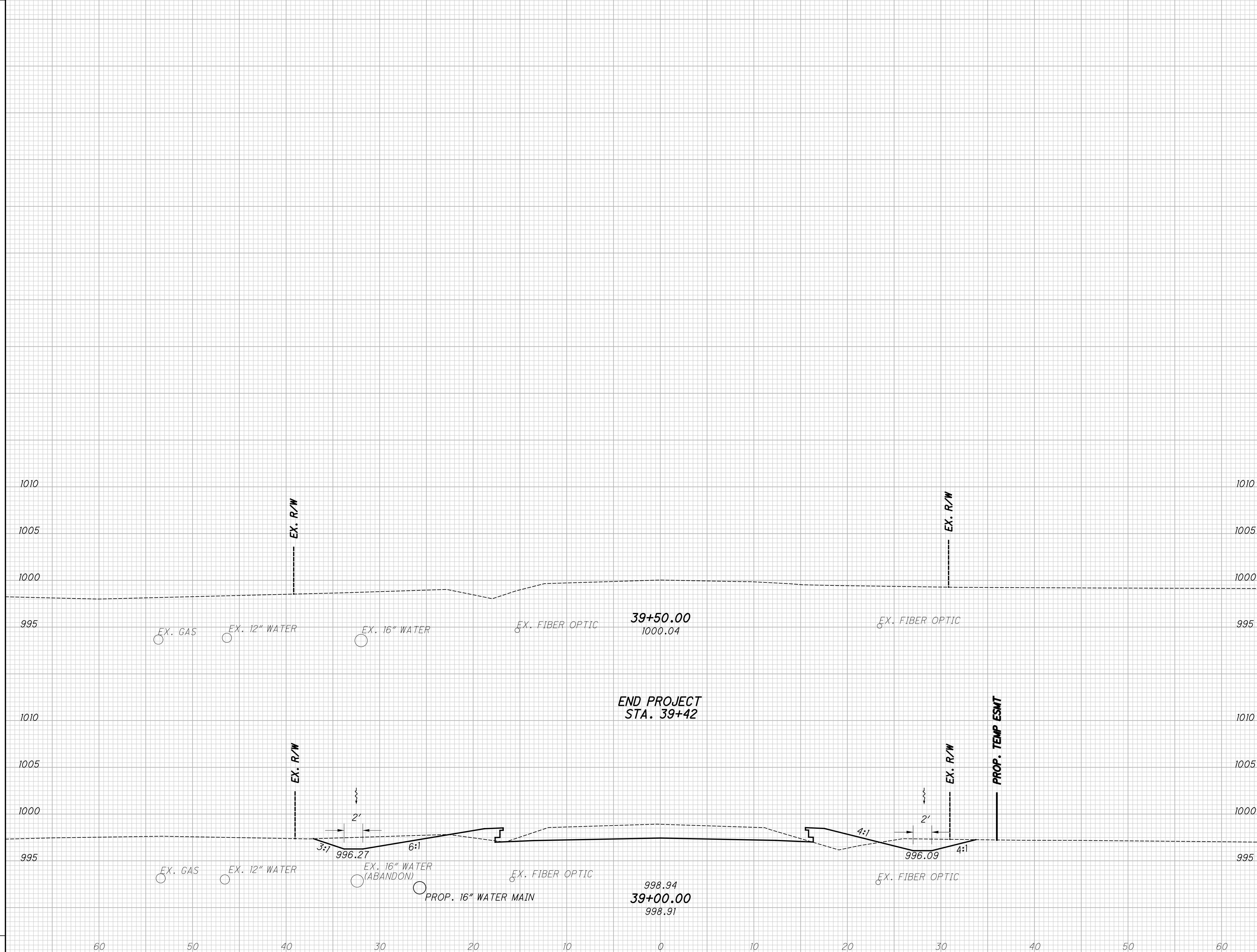
S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\1111XS007.dgn 11/2/2020 9:57:55 AM carlr

SEEDING

END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	CJR	JCH

--	--	--	--	--	--



CROSS SECTIONS
STA. 39+00.00 TO STA. 39+50.00

WAR-CR46 / TR128 -
ROUNDABOUT

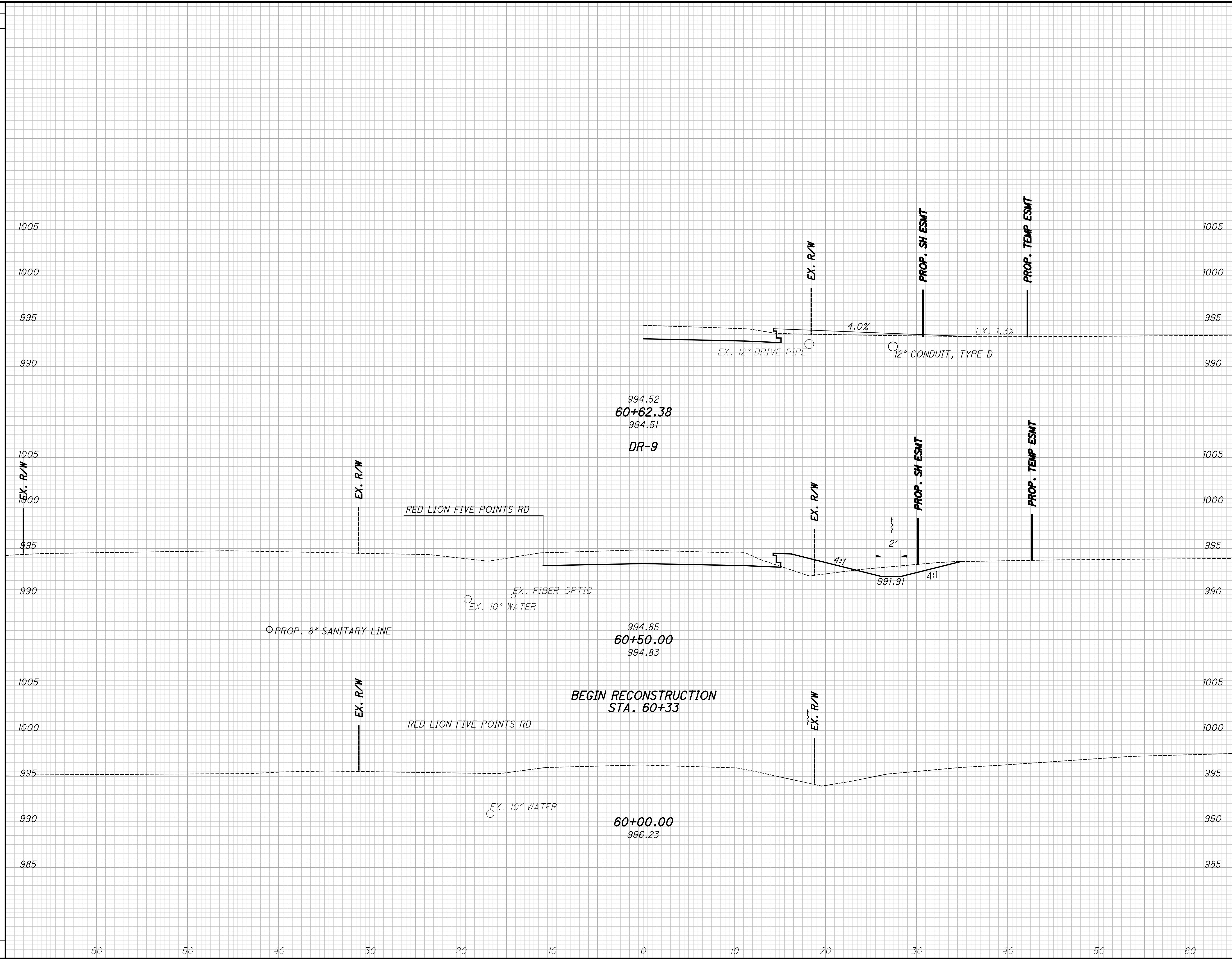
34
70

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\1111XS008.dgn 11/2/2020 9:57:56 AM carlr

SEEDING

END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	CJR	JCH



WAR-CR46 / TR128 - ROUNDABOUT

CROSS SECTIONS STA. 60+00.00 TO STA. 60+62.38

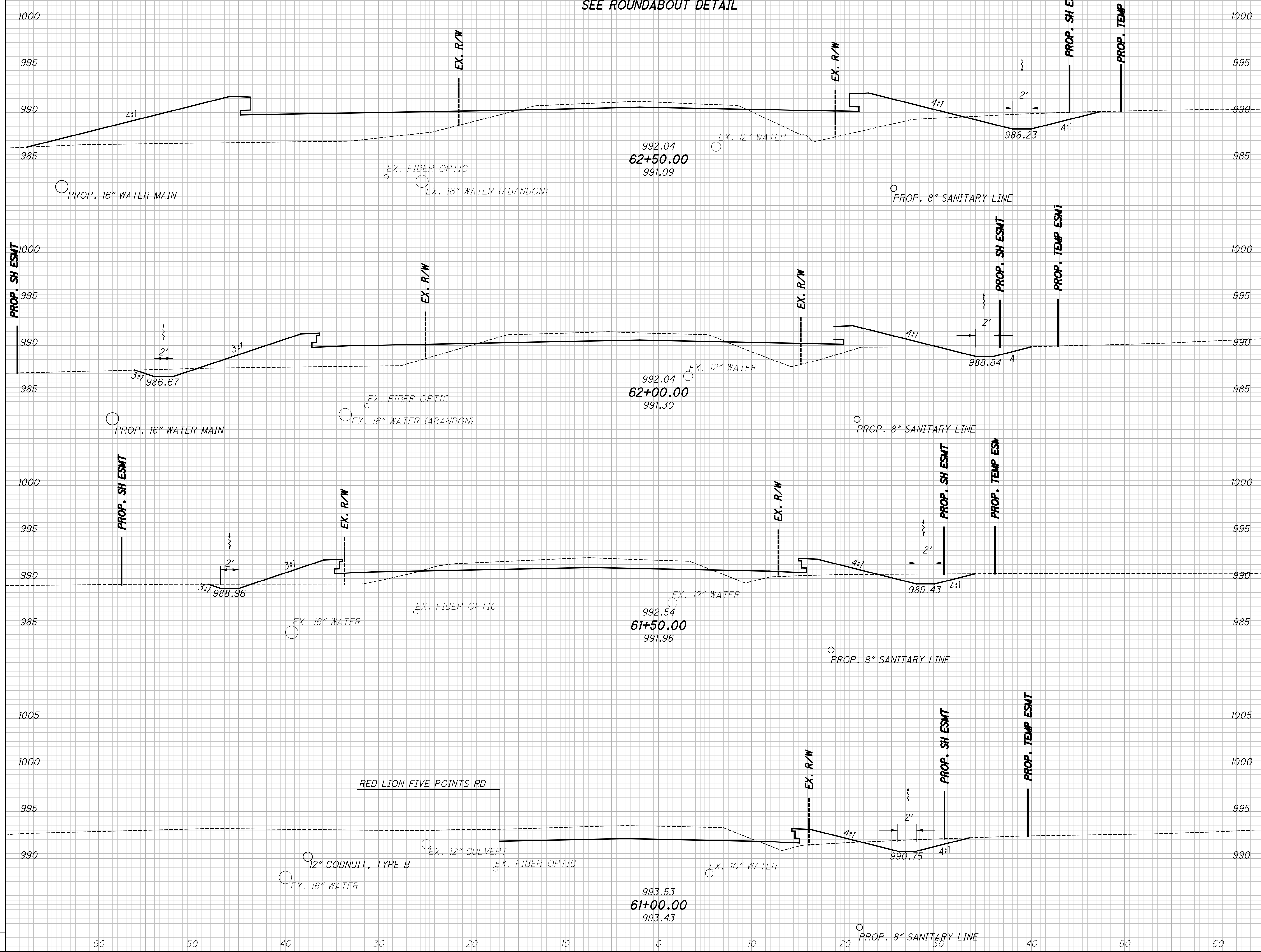
35
70

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\1111XS009.dgn 11/2/2020 9:57:57 AM carlr

SEEDING
END SO.
WIDTH YDS.

SUSPEND CROSS SECTIONS STA. 62+50 TO STA. 64+50
SEE ROUNDABOUT DETAIL

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	CJR	JCH



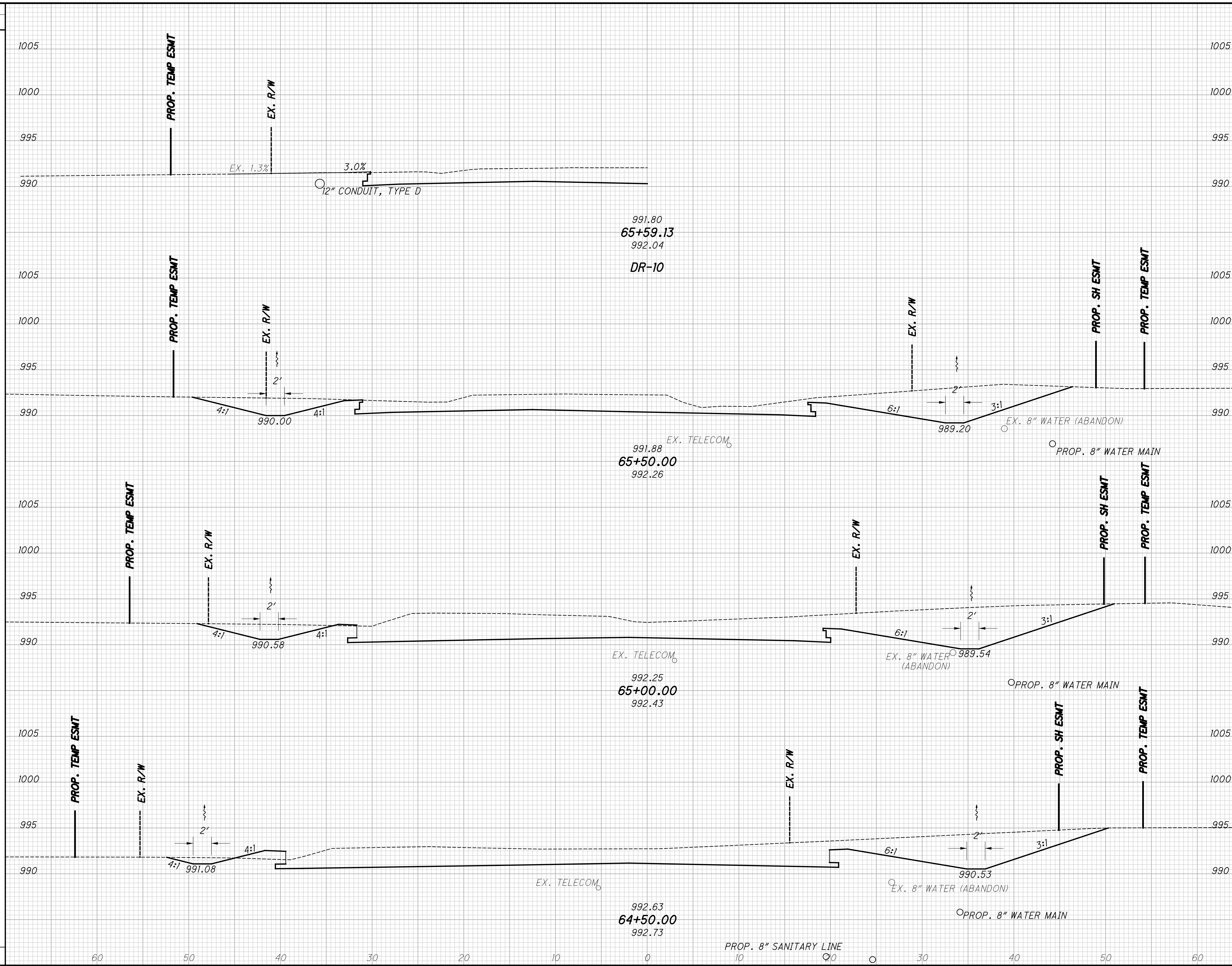
CROSS SECTIONS
STA. 61+00.00 TO STA. 62+50.00

WAR-CR46 / TR128 -
ROUNDABOUT

36
70

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\1111XS010.dgn 11/2/2020 9:57:57 AM car

SEEDING
END SO.
WIDTH YDS.



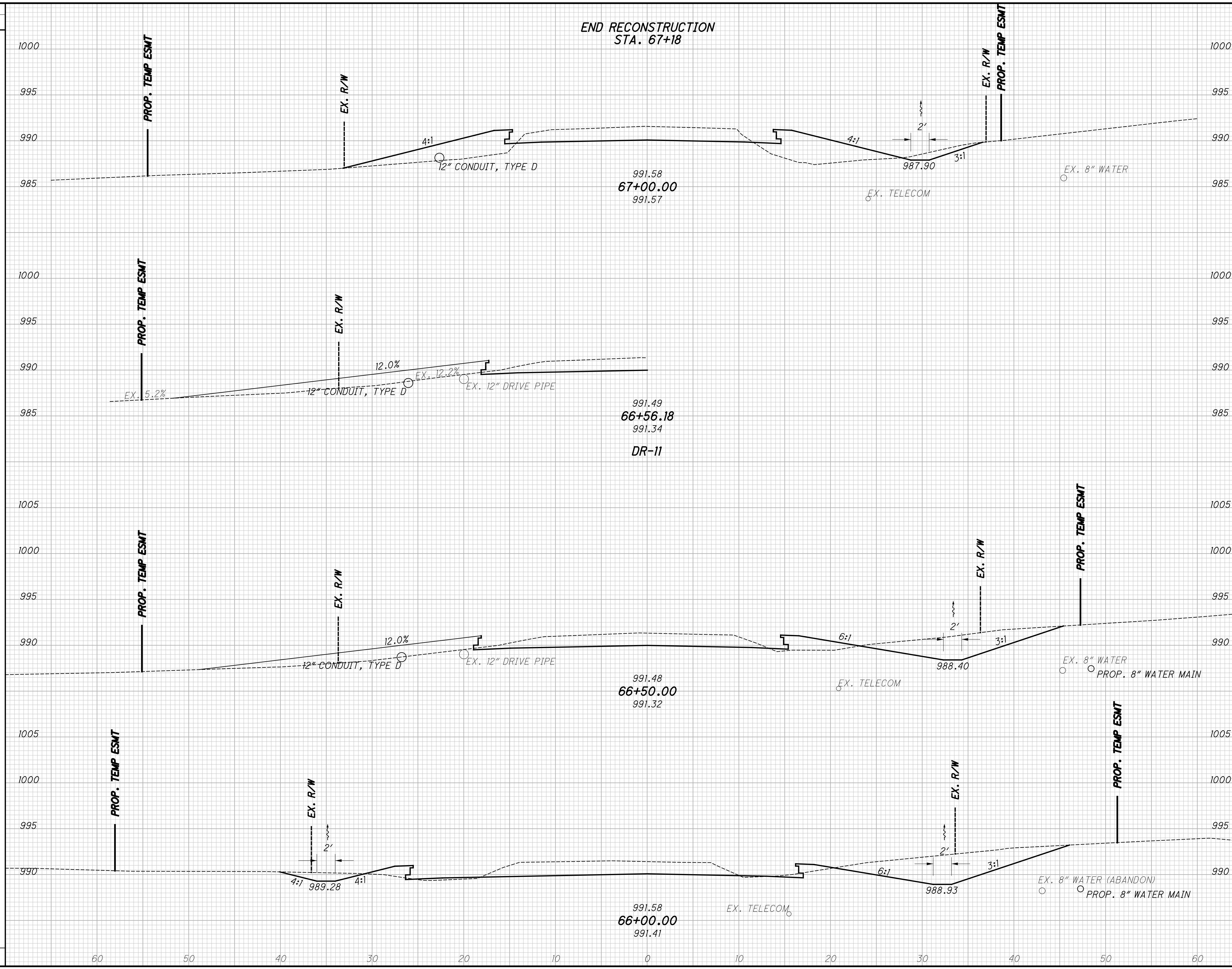
END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	CJR	JCH

WAR-CR46 / TR128 - ROUNDABOUT
CROSS SECTIONS STA. 64+50.00 TO STA. 65+59.13

37
70

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\1111XS011.dgn 11/2/2020 10:13:11 AM carl

SEEDING
END WIDTH SO. YDS.



END AREA		VOLUME		CALCULATED		CHECKED	
CUT	FILL	CUT	FILL	CJR	JCH	CJR	JCH

CROSS SECTIONS
STA. 66+00.00 TO STA. 67+00.00

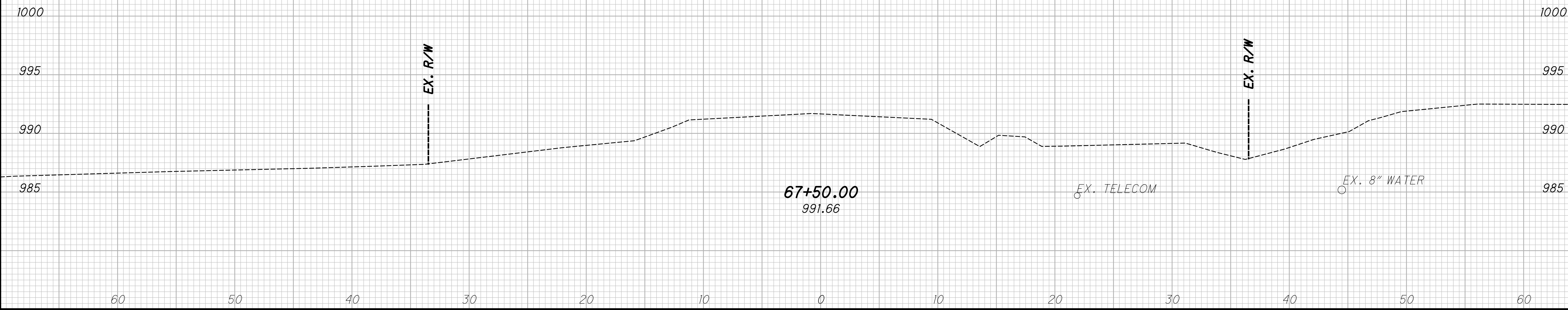
WAR-CR46 / TR128 -
ROUNDAOUT

S:\CIN\3800--3899\003\Drawings\CAD\Sheets\1111XS012.dgn 11/2/2020 9:57:59 AM carl

SEEDING

END WIDTH	SO. YDS.

END AREA		VOLUME		CALCULATED	
CUT	FILL	CUT	FILL	CJR	JCH



**CROSS SECTIONS
STA. 67+50.00**

**WAR-CR46 / TR128 -
ROUNDAOUT**

39
70

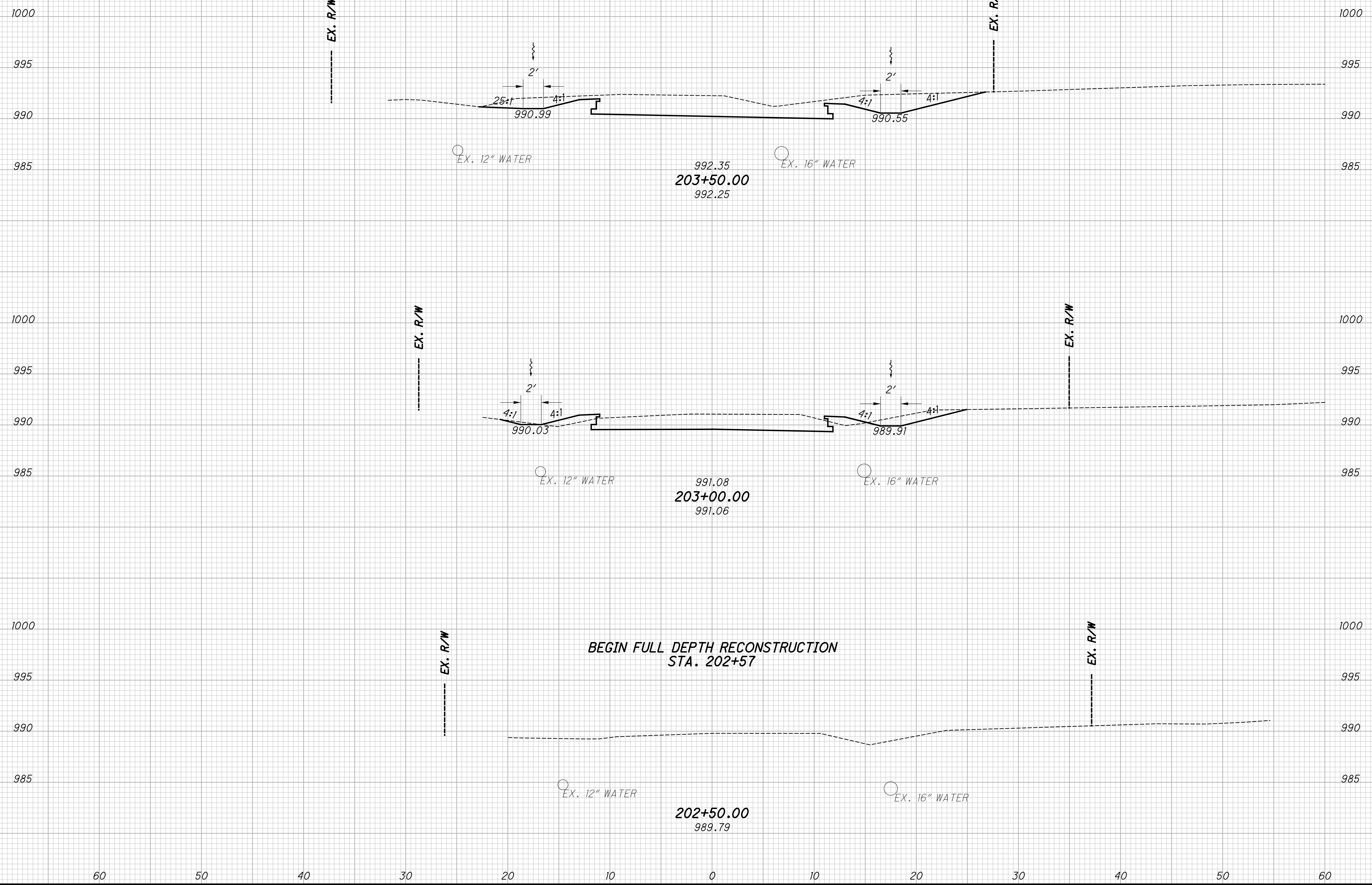
S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\1111XS013.dgn 11/2/2020 9:57:59 AM carl

SEEDING

END WIDTH	SO. YDS.

END AREA VOLUME

CUT	FILL	CUT	FILL	CALCULATED	CJR	CHECKED	JCH



CROSS SECTIONS
STA. 202+50.00 TO STA. 203+50.00

WAR-CR46 / TR128 -
ROUNDABOUT

40
70

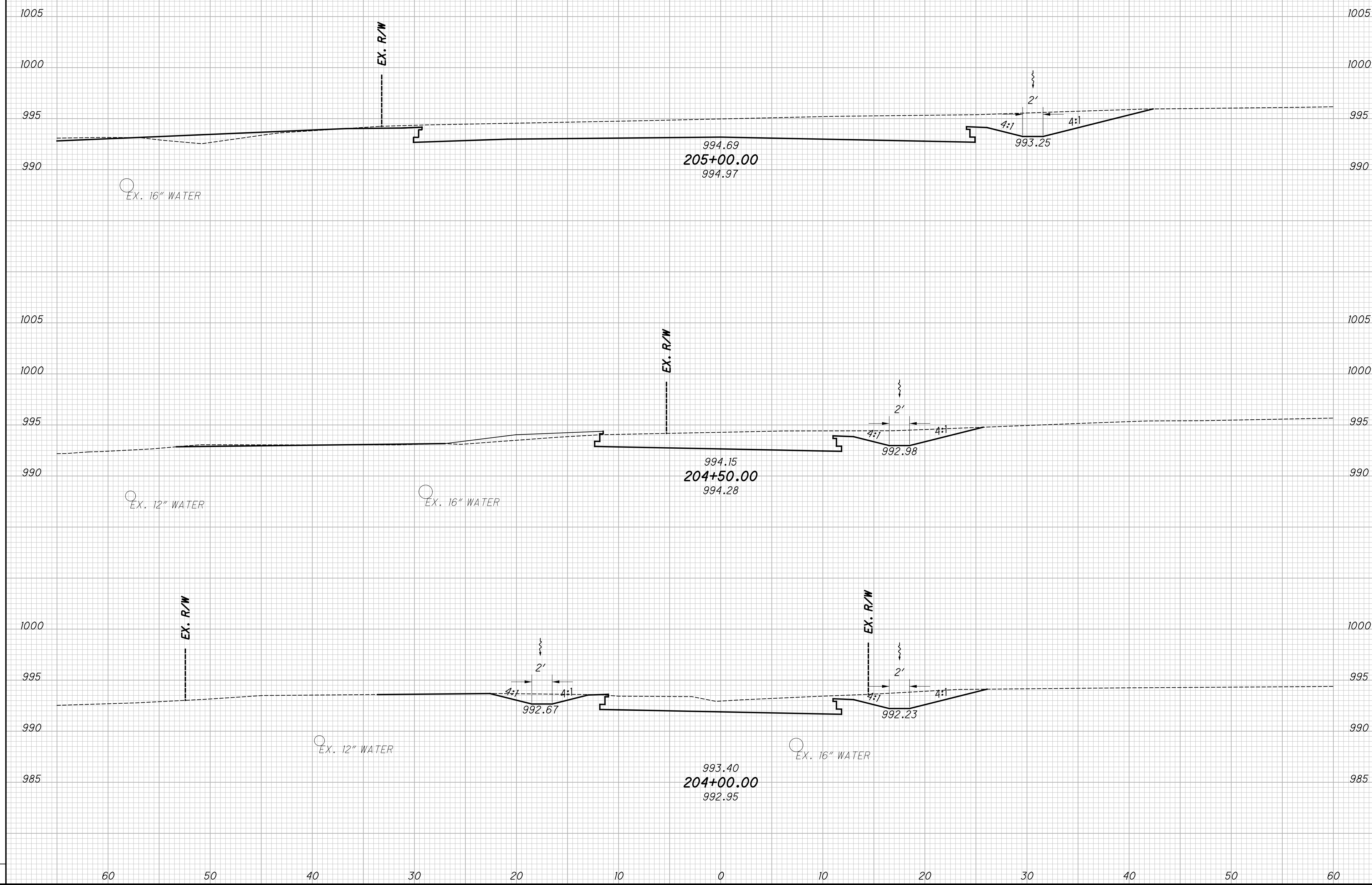
S:\CIN\3800--3899\003\Drawings\CAD\Sheets\1111XS014.dgn 11/2/2020 9:58:00 AM car

SEEDING

END WIDTH	SO. YDS.

END AREA VOLUME

CUT	FILL	CUT	FILL	CALCULATED	CJR	CHECKED	JCH

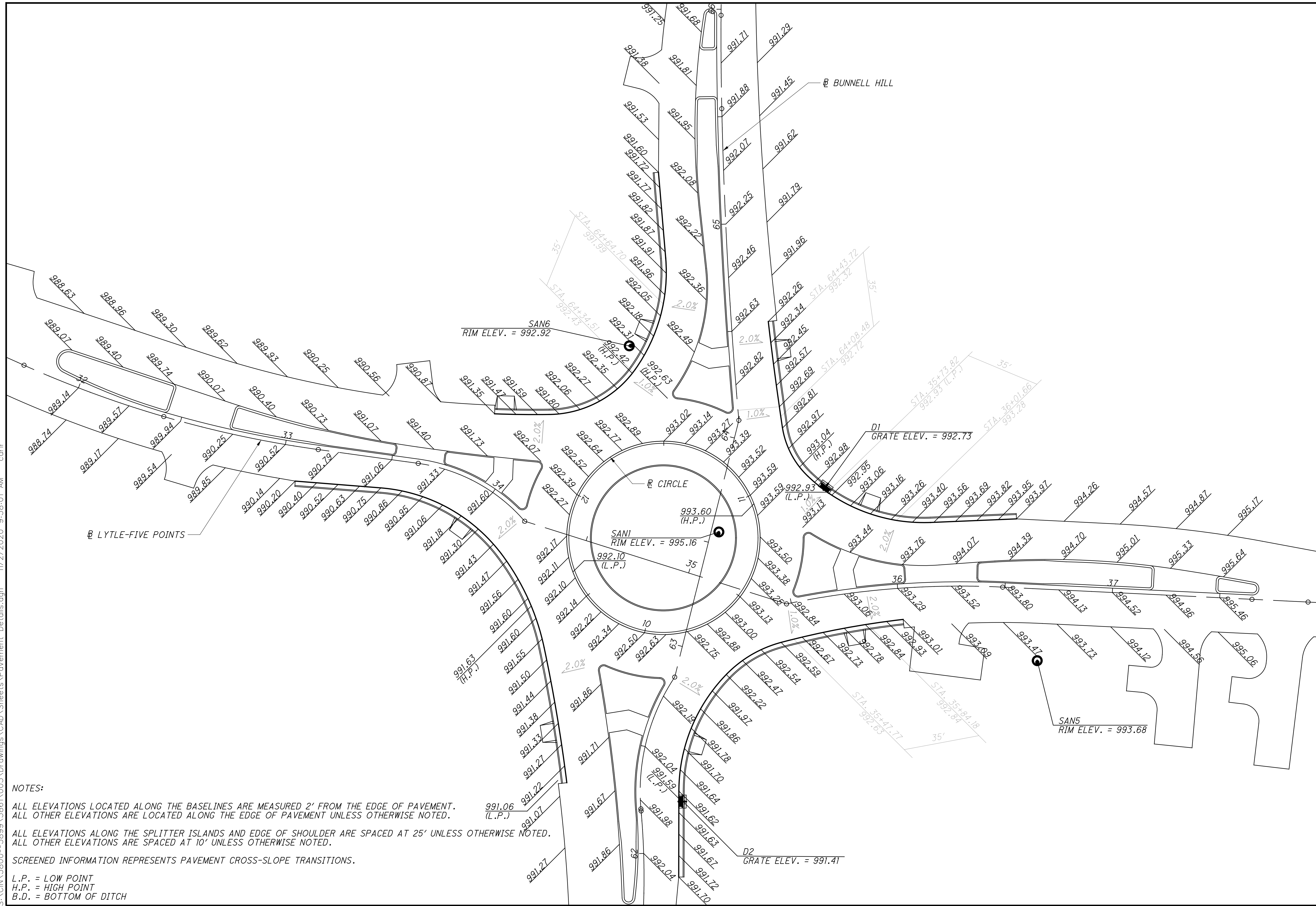


CROSS SECTIONS
STA. 204+00.00 TO STA. 205+00.00

WAR-CR46 / TR128 -
ROUNDABOUT

41
70

S:\GIN\3800--3899\3861\003\Drawings\CAD\Sheets\Pavement_Details.dgn 11/2/2020 9:58:01 AM corir



NOTES:

ALL ELEVATIONS LOCATED ALONG THE BASELINES ARE MEASURED 2' FROM THE EDGE OF PAVEMENT.
 ALL OTHER ELEVATIONS ARE LOCATED ALONG THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

ALL ELEVATIONS ALONG THE SPLITTER ISLANDS AND EDGE OF SHOULDER ARE SPACED AT 25' UNLESS OTHERWISE NOTED.
 ALL OTHER ELEVATIONS ARE SPACED AT 10' UNLESS OTHERWISE NOTED.

SCREENED INFORMATION REPRESENTS PAVEMENT CROSS-SLOPE TRANSITIONS.

L.P. = LOW POINT
 H.P. = HIGH POINT
 B.D. = BOTTOM OF DITCH

CALCULATED
 CJR
 CHECKED
 JCH

ROUNDABOUT PAVEMENT DETAIL
LYTLE-FIVE POINTS RD AND BUNNELL HILL RD

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Intersection Details.dgn 11/2/2020 9:58:02 AM carlr

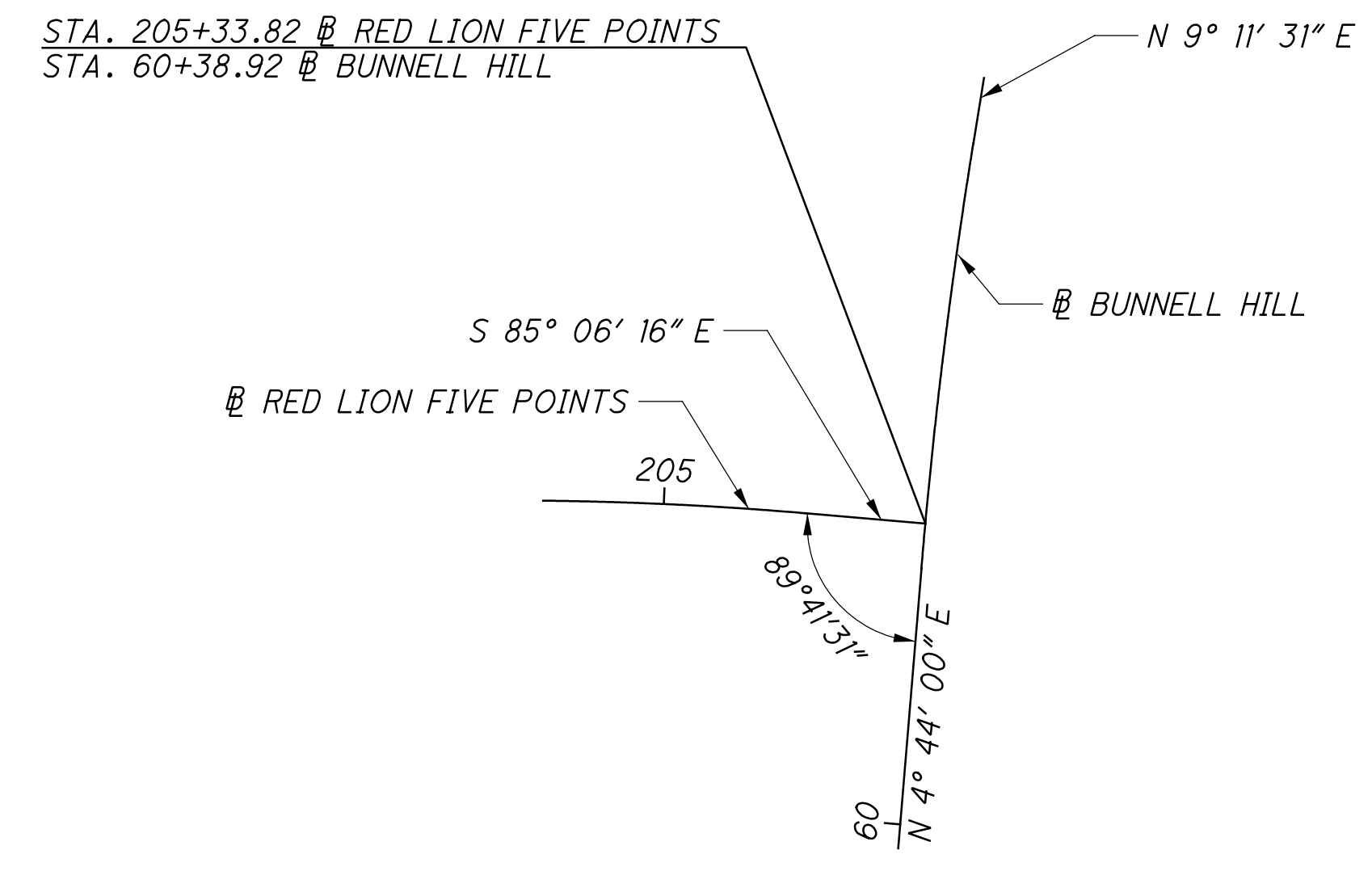
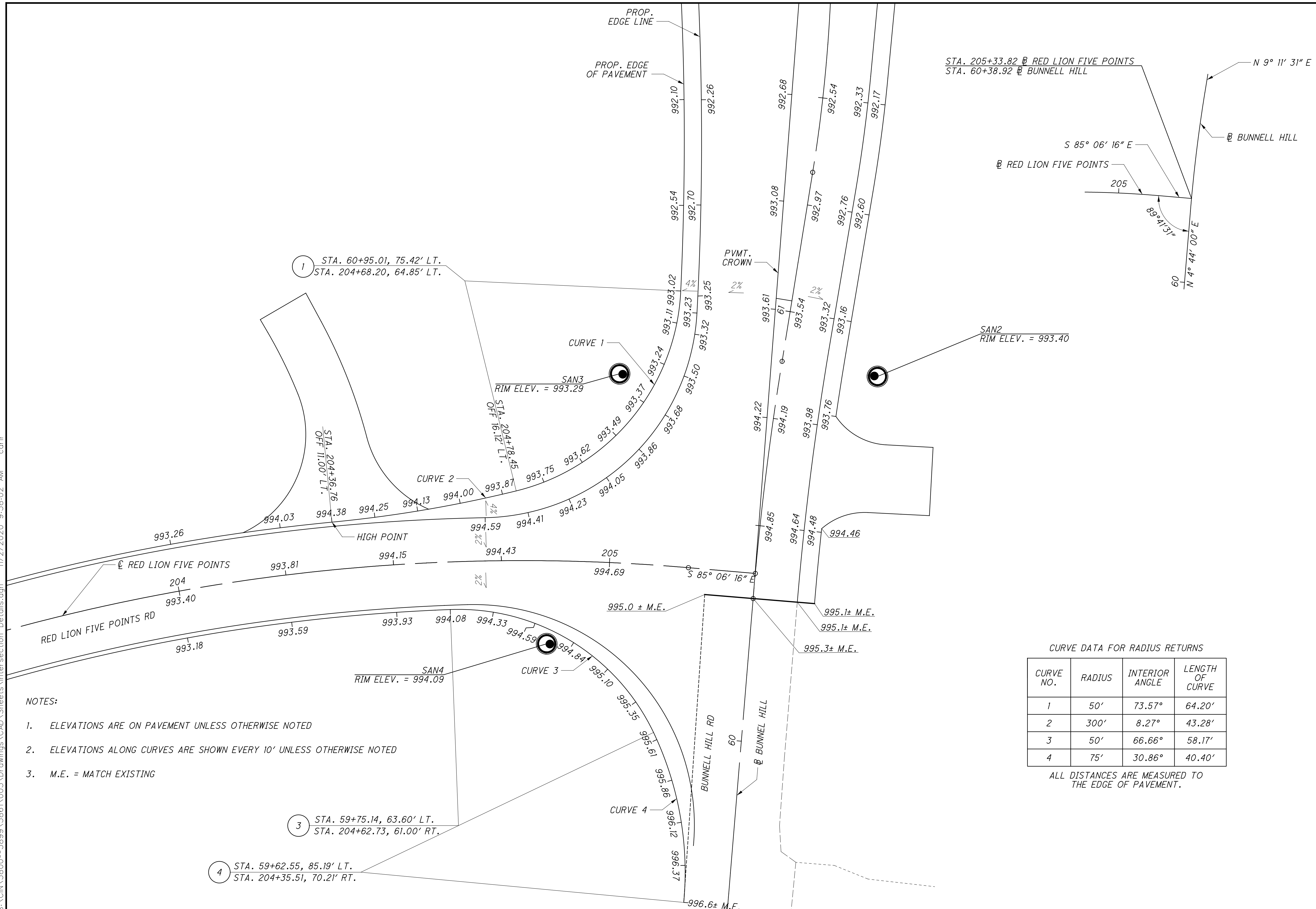
CALCULATED
CJR
CHECKED
JCH

0 10 20
HORIZONTAL
SCALE IN FEET

INTERSECTION DETAIL
BUNNELL HILL RD AND RED LION 5 POINTS RD

WAR-CR46 / TR128 -
ROUNDABOUT

43
70



CURVE DATA FOR RADIUS RETURNS

CURVE NO.	RADIUS	INTERIOR ANGLE	LENGTH OF CURVE
1	50'	73.57°	64.20'
2	300'	8.27°	43.28'
3	50'	66.66°	58.17'
4	75'	30.86°	40.40'

ALL DISTANCES ARE MEASURED TO THE EDGE OF PAVEMENT.

- NOTES:
- ELEVATIONS ARE ON PAVEMENT UNLESS OTHERWISE NOTED
 - ELEVATIONS ALONG CURVES ARE SHOWN EVERY 10' UNLESS OTHERWISE NOTED
 - M.E. = MATCH EXISTING

1 STA. 60+95.01, 75.42' LT.
STA. 204+68.20, 64.85' LT.

3 STA. 59+75.14, 63.60' LT.
STA. 204+62.73, 61.00' RT.

4 STA. 59+62.55, 85.19' LT.
STA. 204+35.51, 70.21' RT.

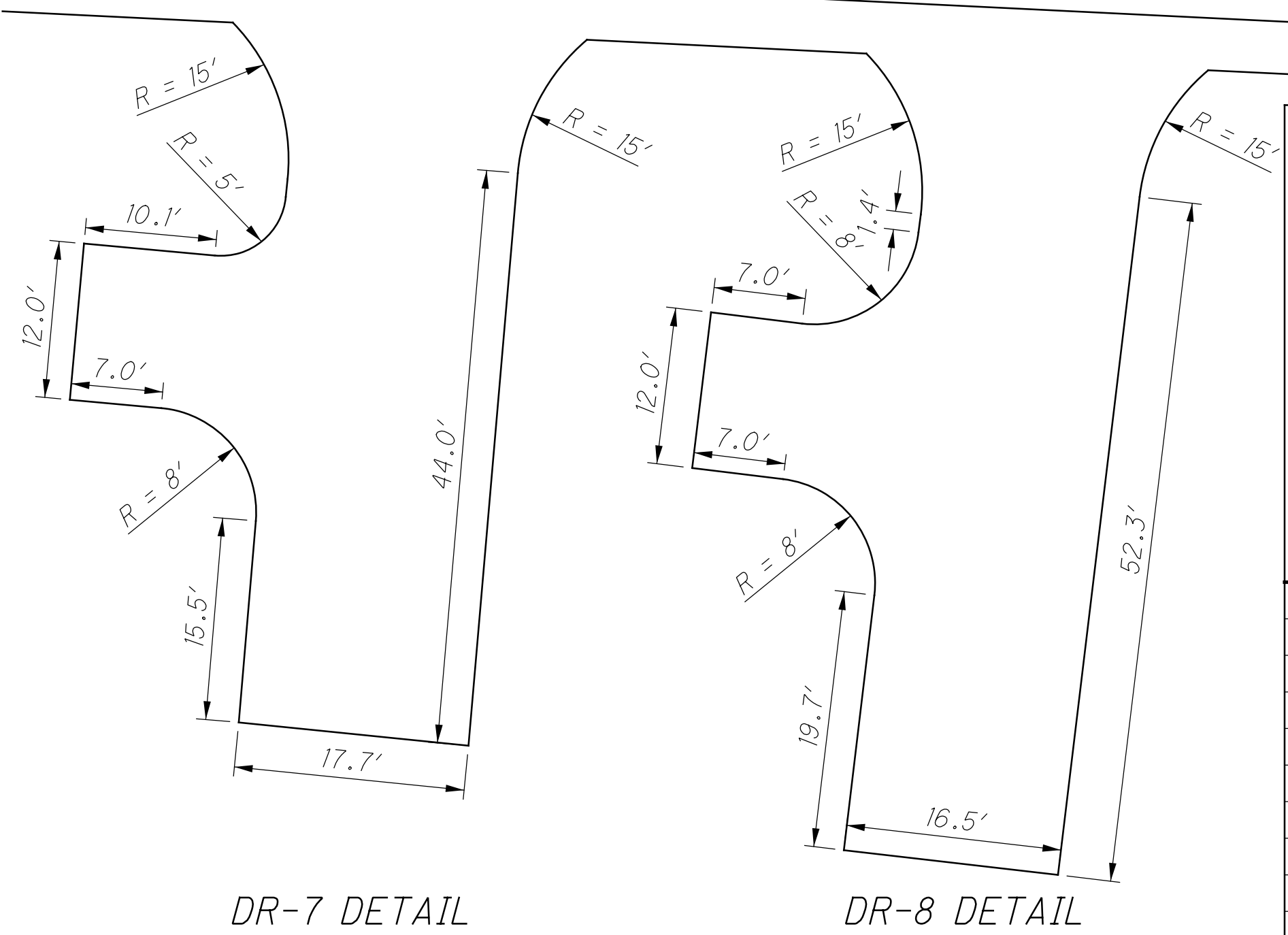
STA. 204+36.76
OFF 11.00' LT.

STA. 204+78.45
OFF 16.12' LT.

SAN2
RIM ELEV. = 993.40

SAN3
RIM ELEV. = 993.29

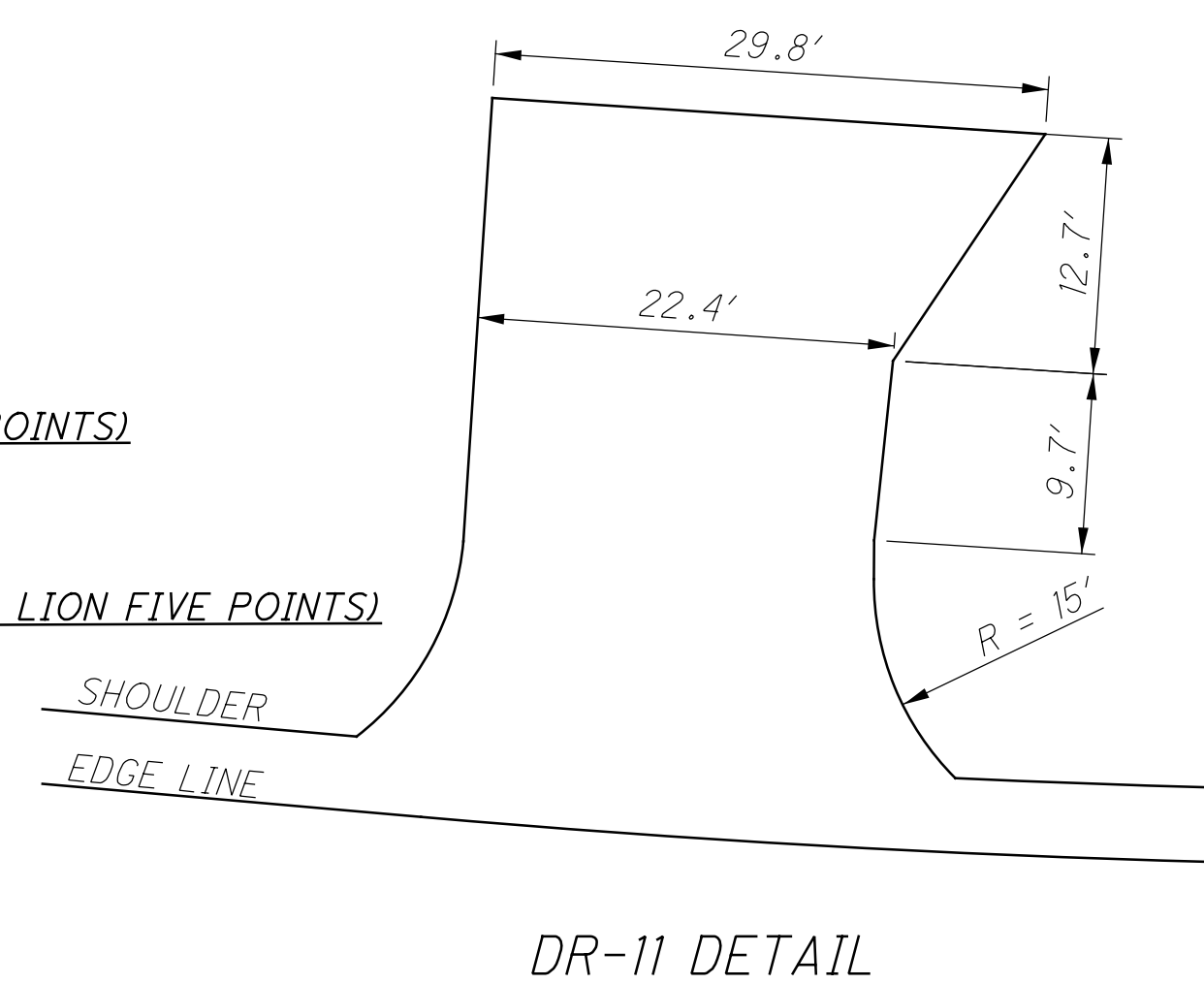
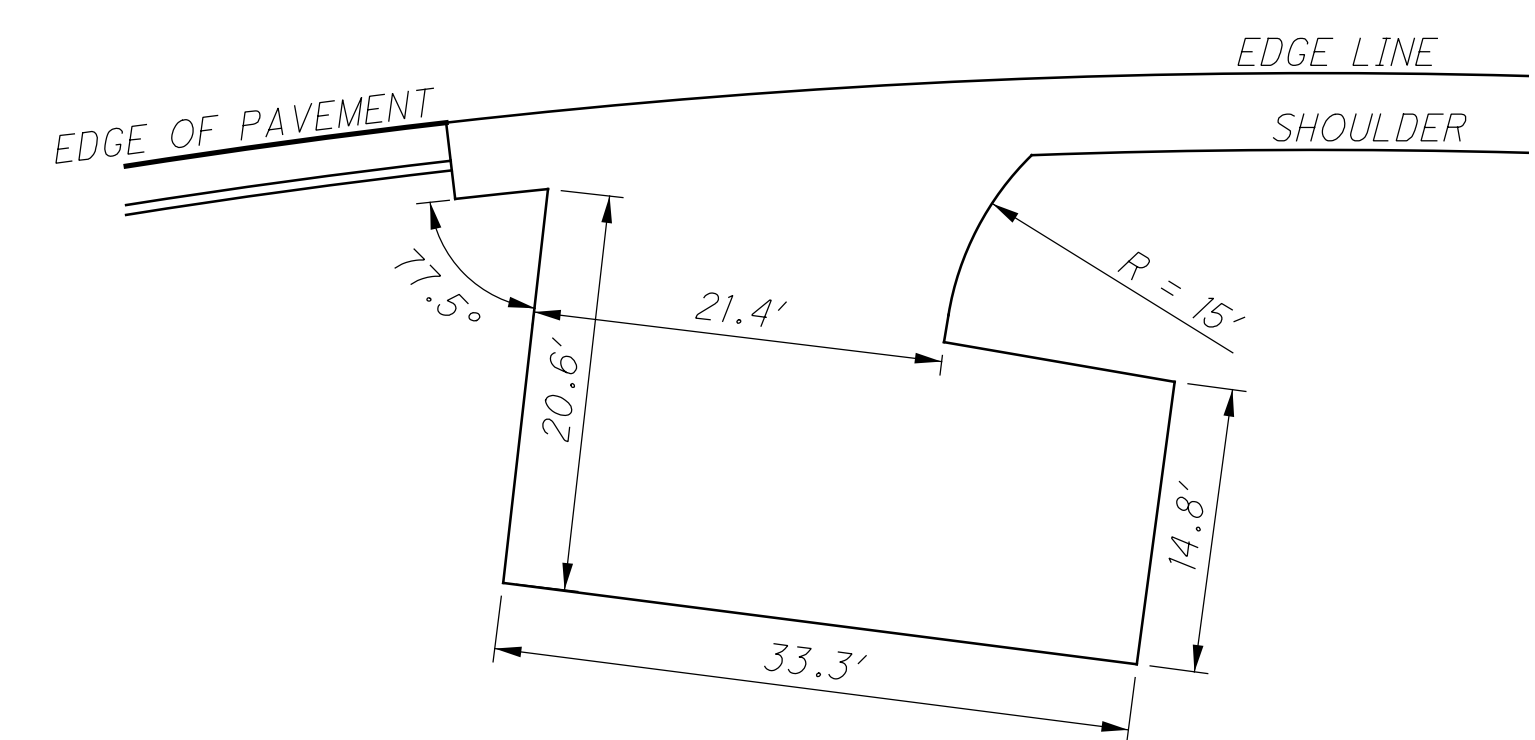
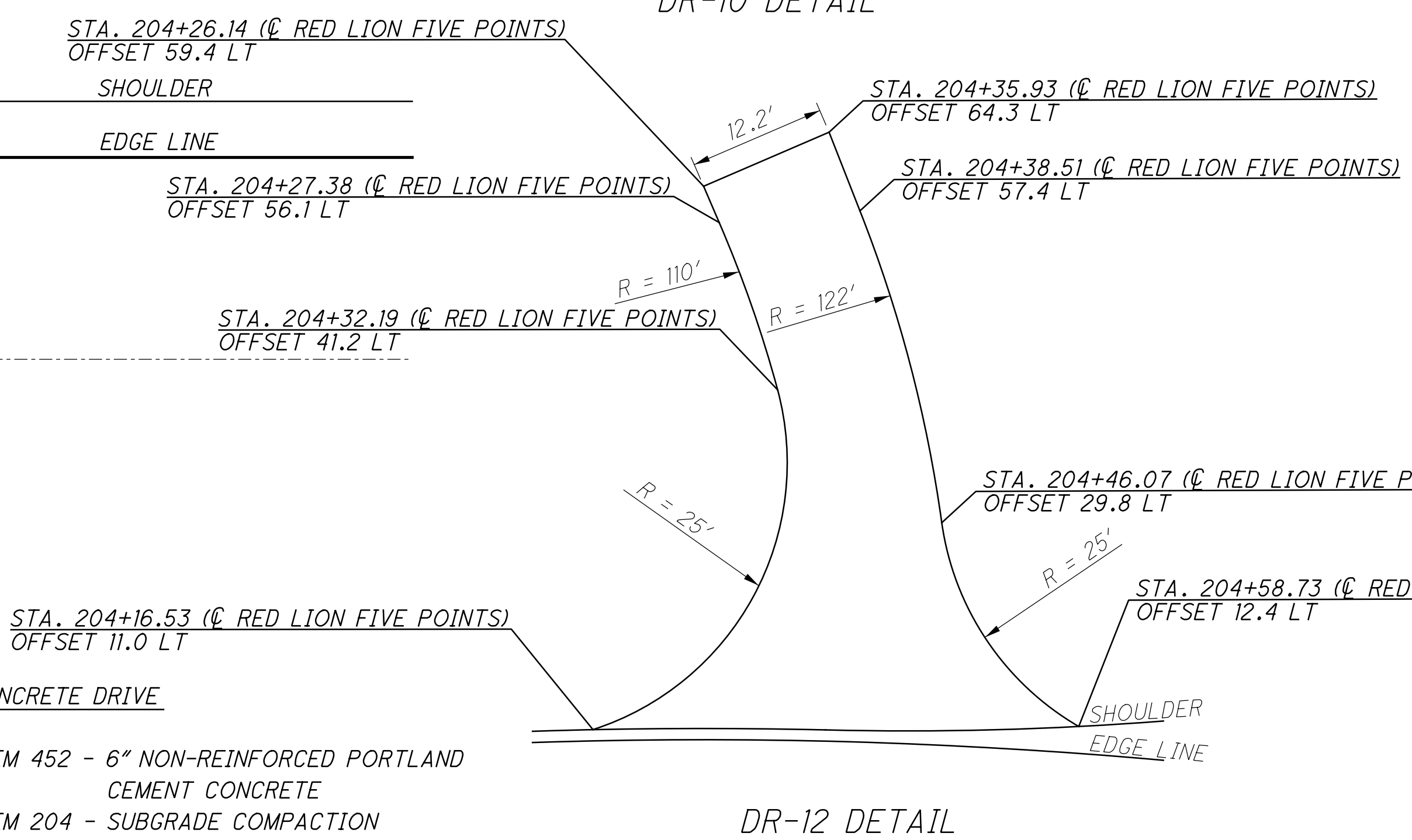
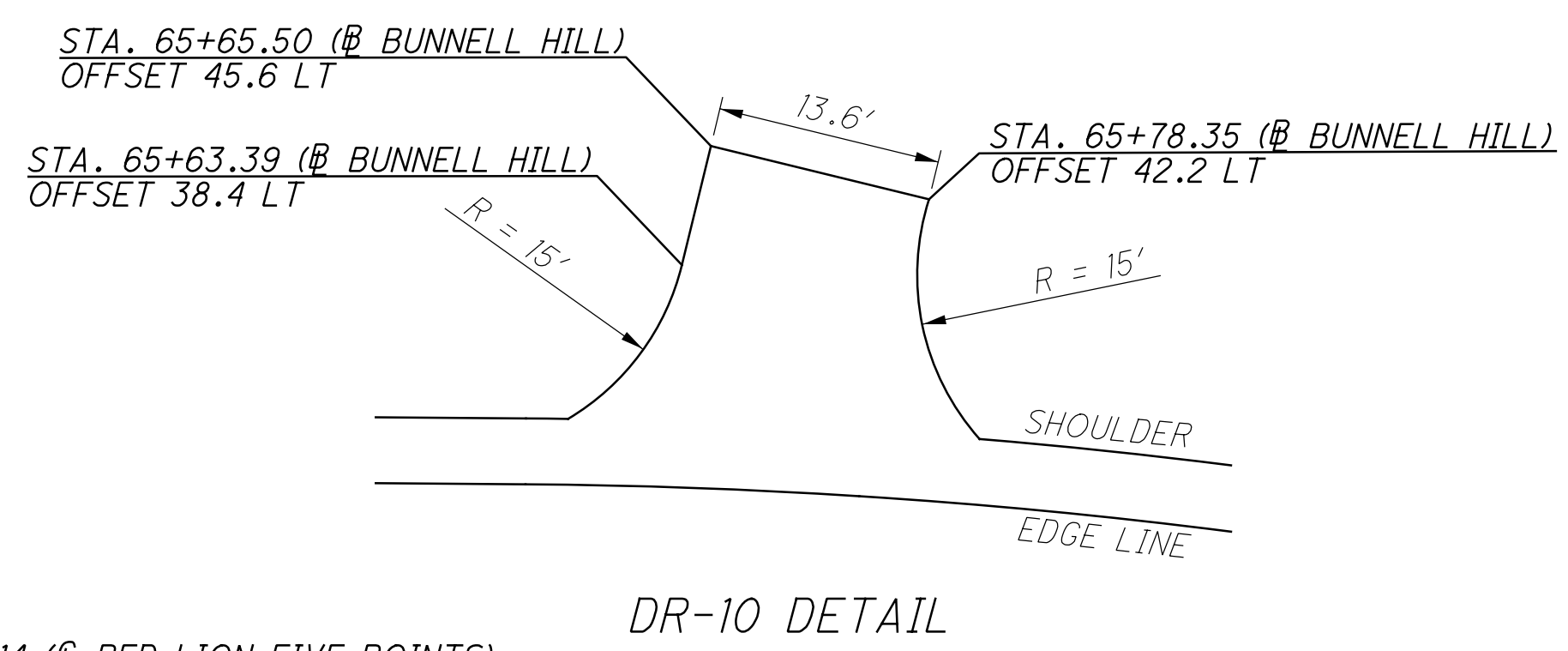
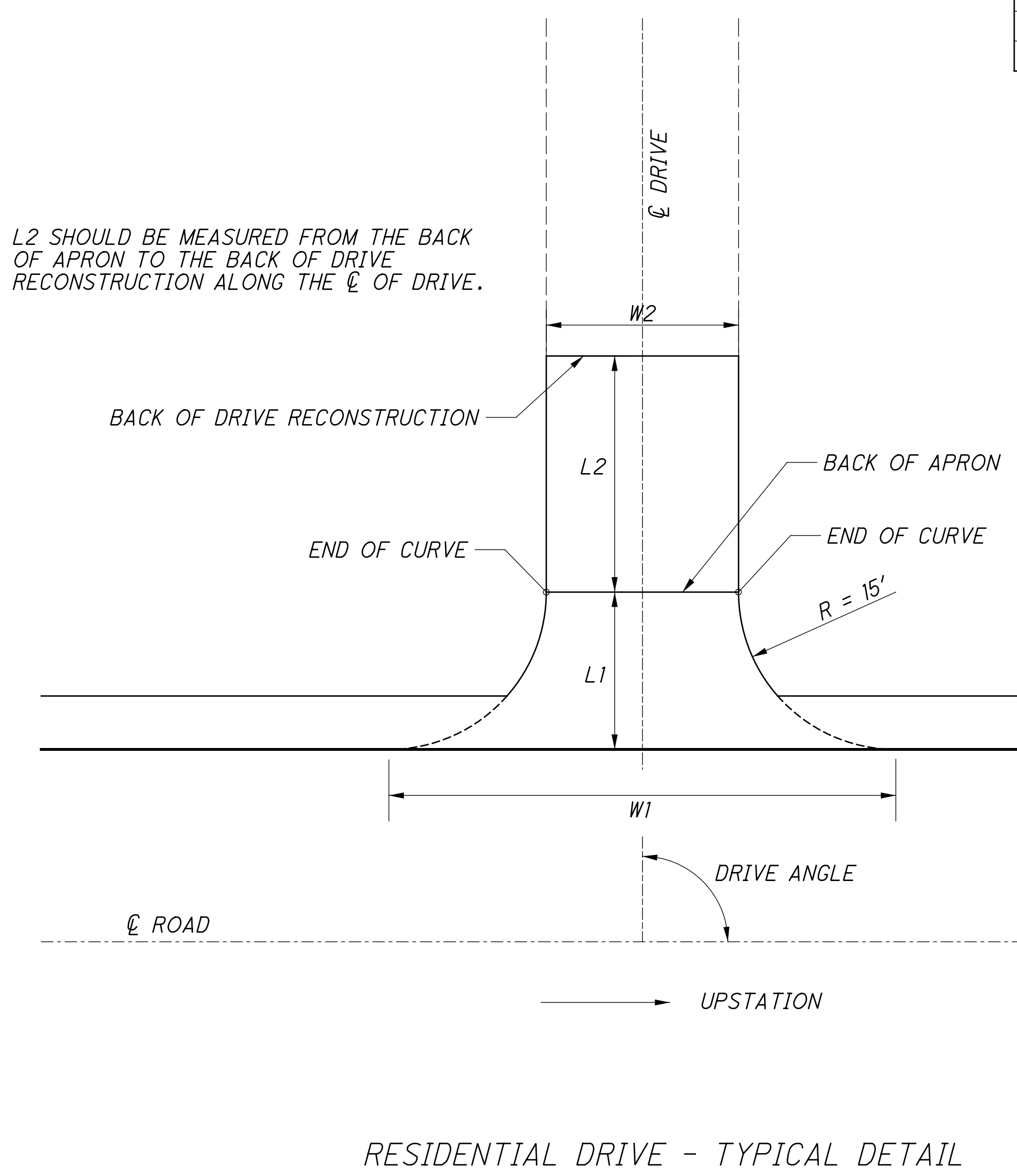
SAN4
RIM ELEV. = 994.09



SHEET NO.	REFERENCE NO.	STATION	SIDE	DRIVE TYPE	DRIVE ANGLE	APRON LENGTH "L1"		DRIVEWAY LENGTH "L2"		APRON WIDTH "W1"	DRIVE WIDTH "W2"	CADD GENERATED SURFACE AREA	202	202	204	301	407	441	452
						DEG.	FT.	FT.	FT.				FT.	SQ. FT.	SQ. YD.	SQ. YD.	SQ. YD.	CY	GAL
16	DR-1	29+97.43	RT	CONC.	86.3	13.5	0.0	42.5	12.2	261.3			24.7	29					29
16	DR-2	30+40.46	LT	ASPH.	92.2	15.4	0.0	42.9	12.8	294.2			22.1	33		3.2	2.5	1.4	
16	DR-3	31+54.48	LT	ASPH.	97.6	9.4	1.4	30.1	20.2	255.2			37.9	29		2.8	2.1	1.2	
17	DR-4	32+58.84	RT	ASPH.	93.8	16.2	0.0	44.1	14.1	341.0			54.0	37		3.7	2.8	1.6	
17	DR-5	33+65.96	LT	CONC.	107.5	21.4	0.0	48.3	15.5	311.3	52.5			35					35
17	DR-6	36+21.46	RT	CONC.	99.1	10.6	16.5	35.1	33.3	683.4	112.1			76					76
18	DR-7	37+34.42	RT	ASPH.	92.2	16.2	44.0	47.5	17.6	1184.8		131.7	132		12.8	9.9	5.5		
18	DR-8	37+83.45	RT	CONC.	94.1	16.7	52.3	46.7	16.5	1259.9	128.6		140						140
19	DR-9	60+62.38	RT	CONC.	86.1	17.1	10.9	47.7	15.8	413.5	41.8		46						46
20	DR-10	65+59.13	LT	CONC.	73.3	19.6	0.0	43.9	13.6	258.2	48.4		29						29
20	DR-11	66+56.18	LT	ASPH.	82.7	16.6	22.4	52.9	29.8	855.1		104.3	95		9.3	7.2	4.0		
21	DR-12	204+42.16	LT	ASPH.	90.1	32.3	20.2	60.3	12.0	855.6		174.4	95		9.3	5.7	4.0		
TOTAL												384	549	776	41	30	18	355	

NOTE: CONCRETE DRIVEWAYS SHALL BE RECONSTRUCTED TO THE NEAREST PAVEMENT JOINT.

L2 SHOULD BE MEASURED FROM THE BACK OF APRON TO THE BACK OF DRIVE RECONSTRUCTION ALONG THE C OF DRIVE.

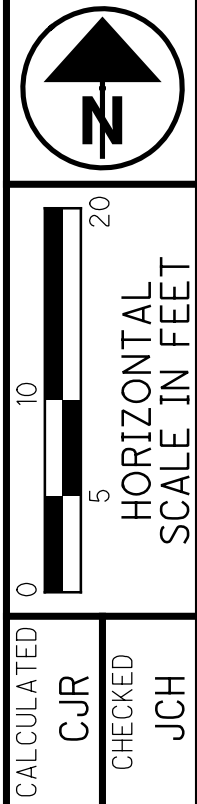
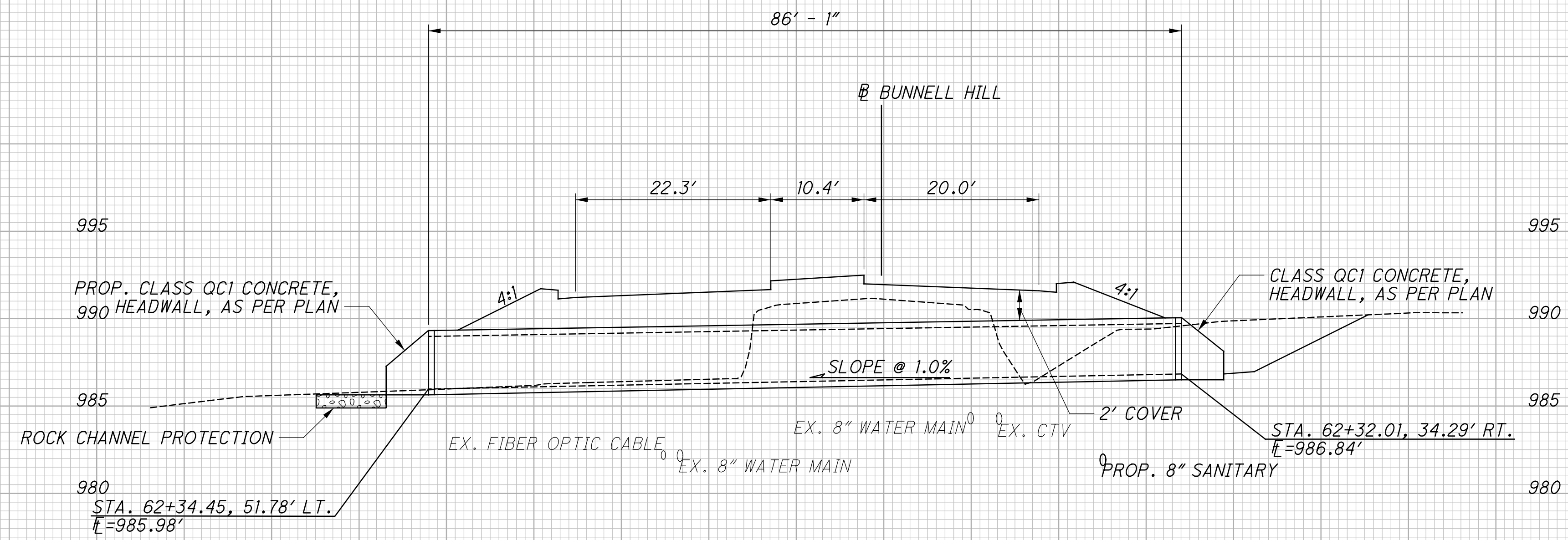
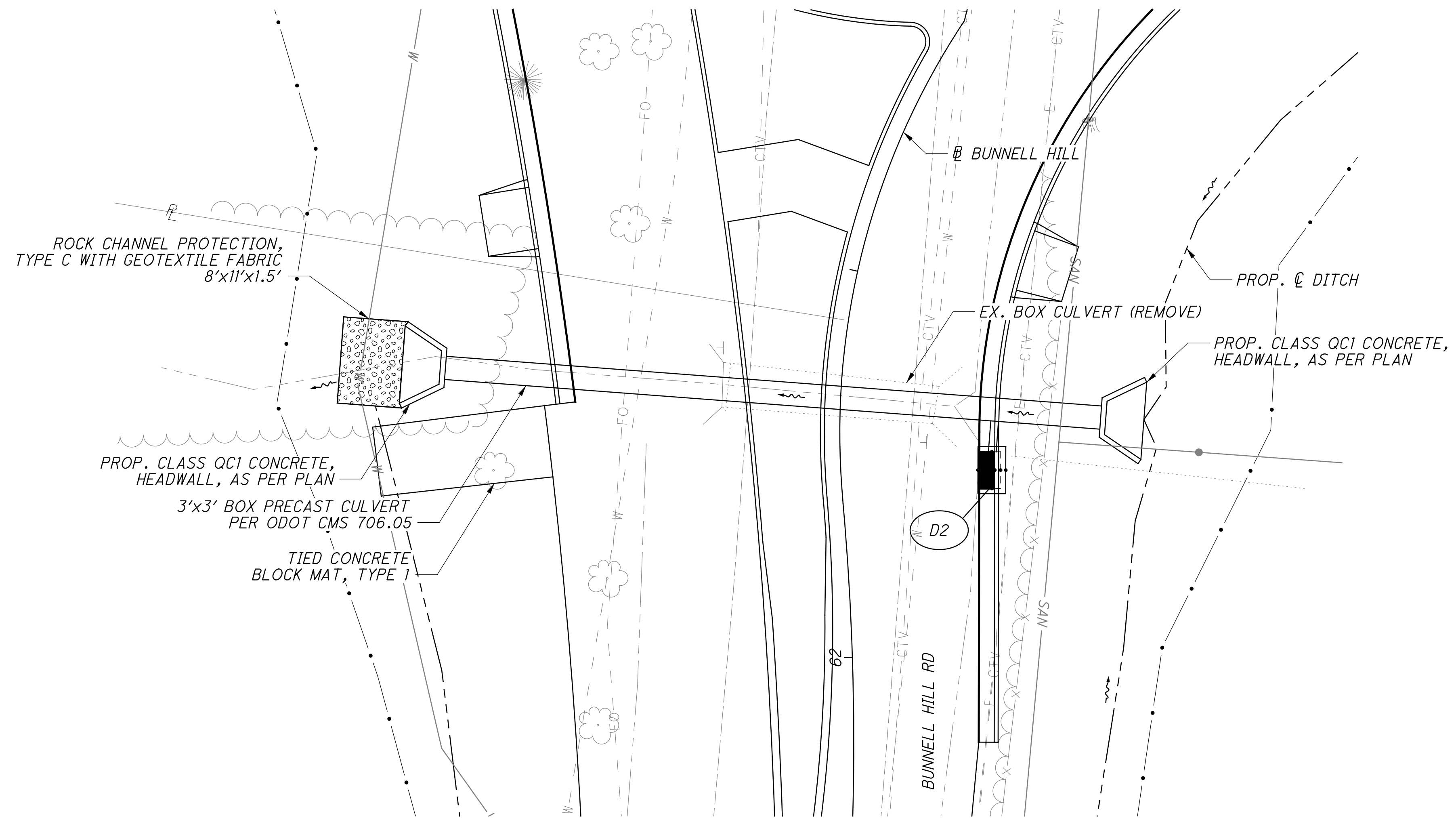


- ASPHALT DRIVE**
- ITEM 441 - 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448) PG64-22
 - ITEM 407 - TACK COAT (0.075 GAL/SY)
 - ITEM 301 - 3-1/2" ASPHALT CONCRETE BASE PG64-22
 - ITEM 204 - SUBGRADE COMPACTION

- CONCRETE DRIVE**
- ITEM 452 - 6" NON-REINFORCED PORTLAND CEMENT CONCRETE
 - ITEM 204 - SUBGRADE COMPACTION

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Drive Detail.dgn 11/2/2020 9:58:02 AM carl

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Culvert Detail.dgn 11/2/2020 9:58:03 AM carlr

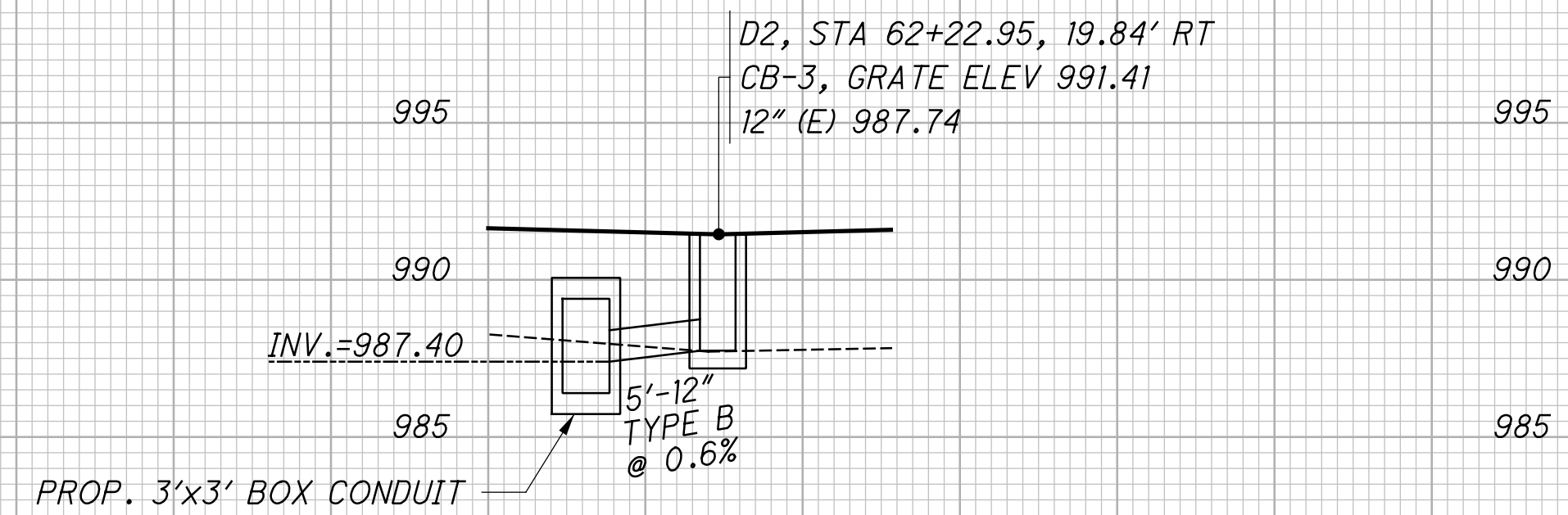
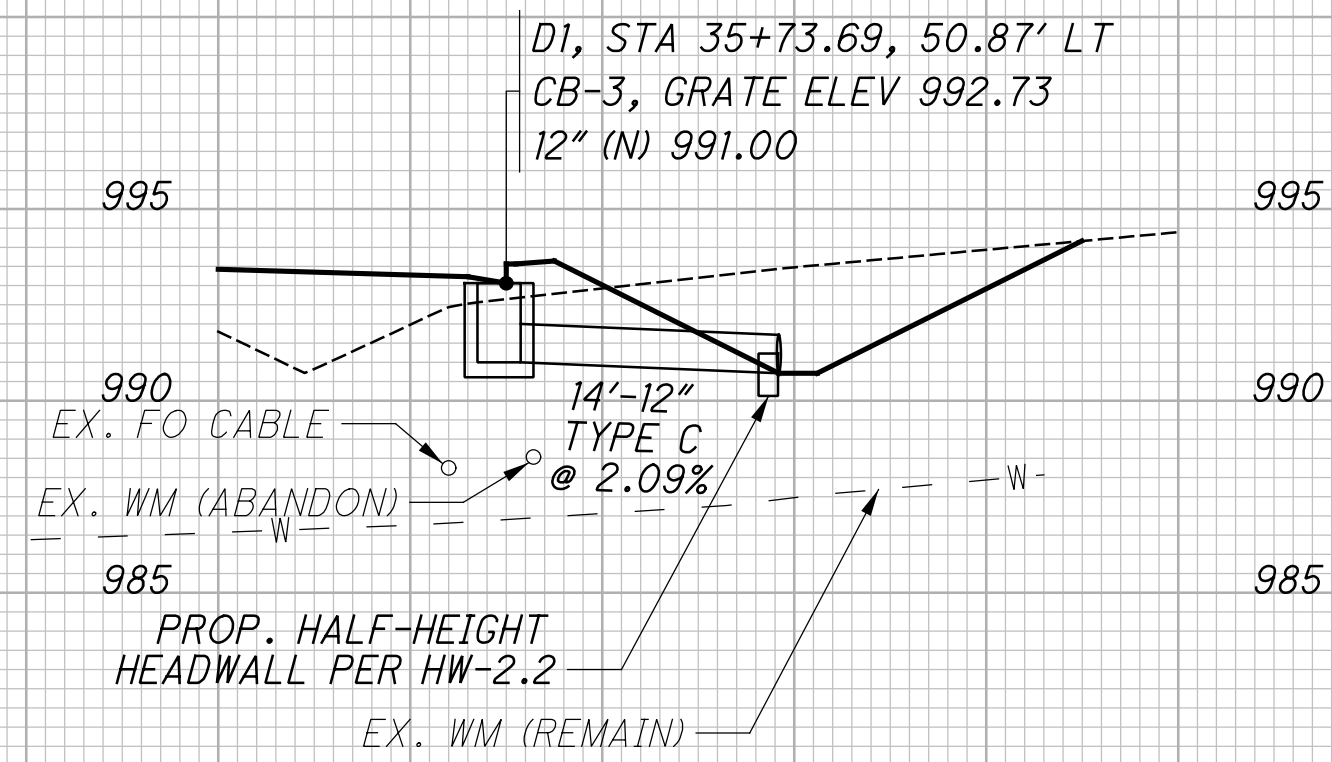
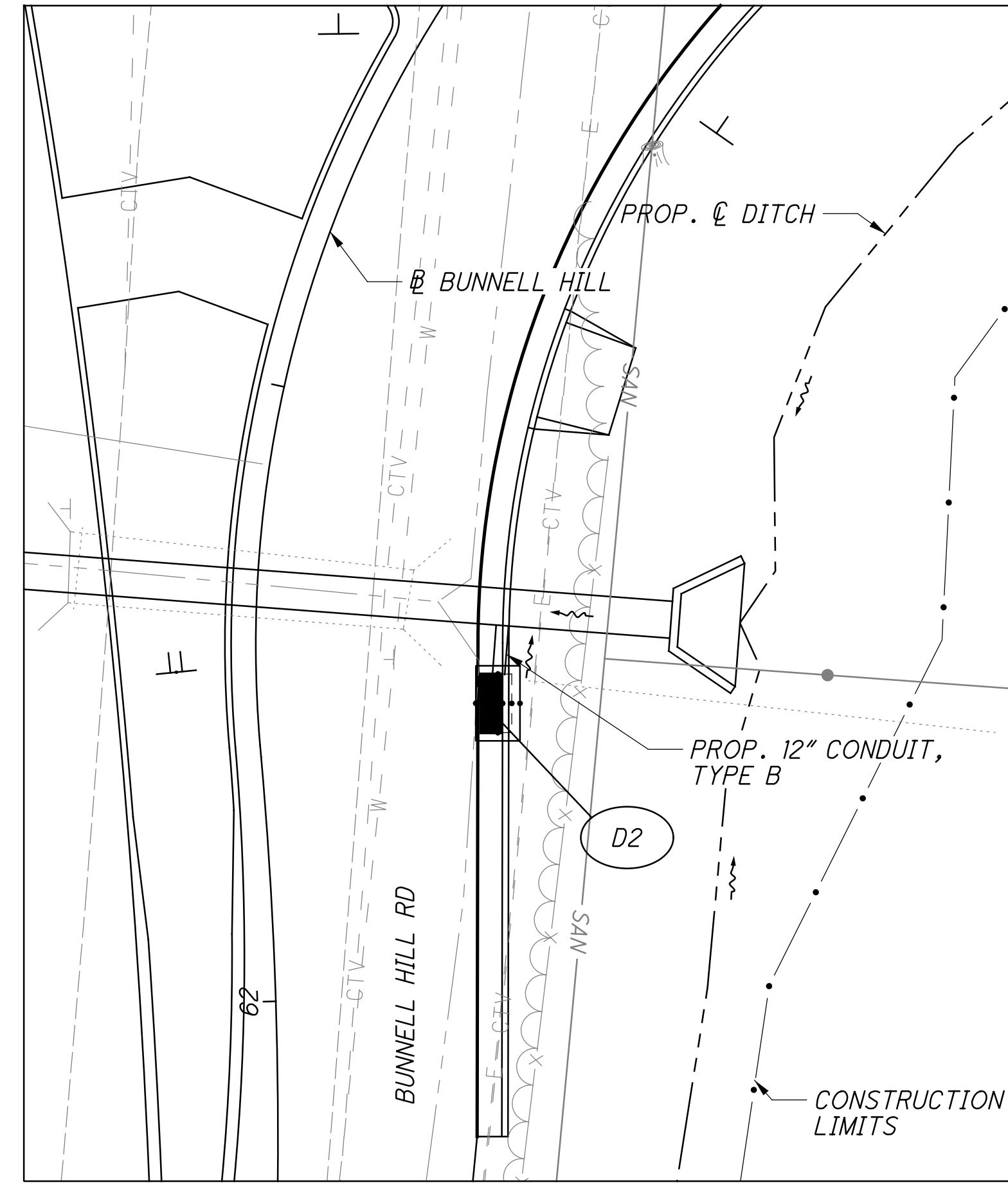
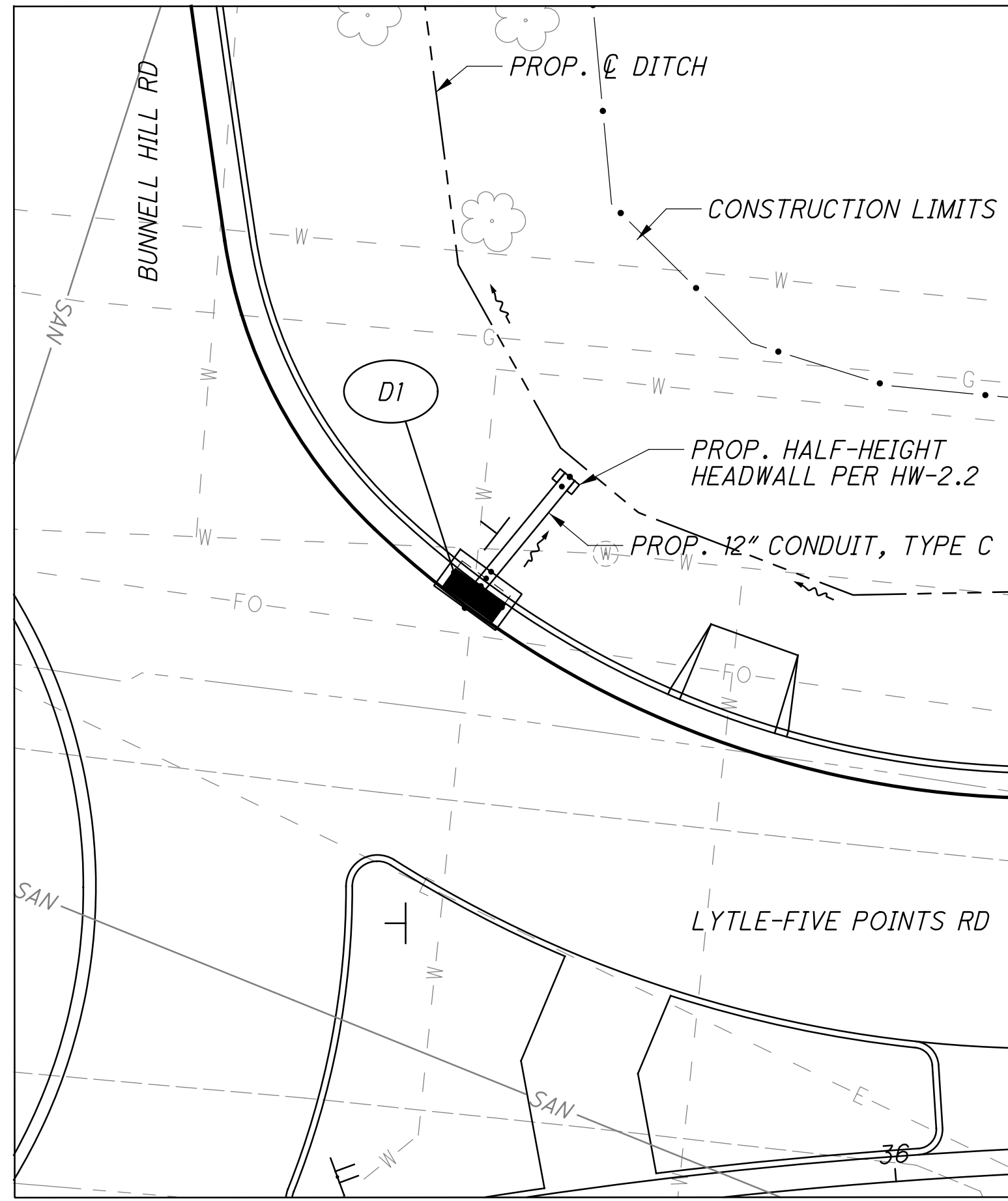


CULVERT DETAILS

BUNNELL HILL RD & RED LION 5 POINTS RD

WAR-CR46 / TR128 - ROUNDABOUT

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Storm Sewer Plan&Pro.dgn 11/2/2020 9:58:04 AM carlr



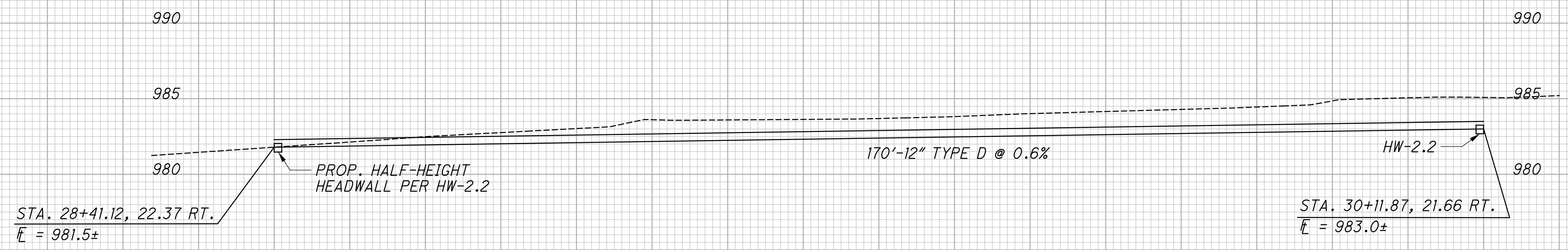
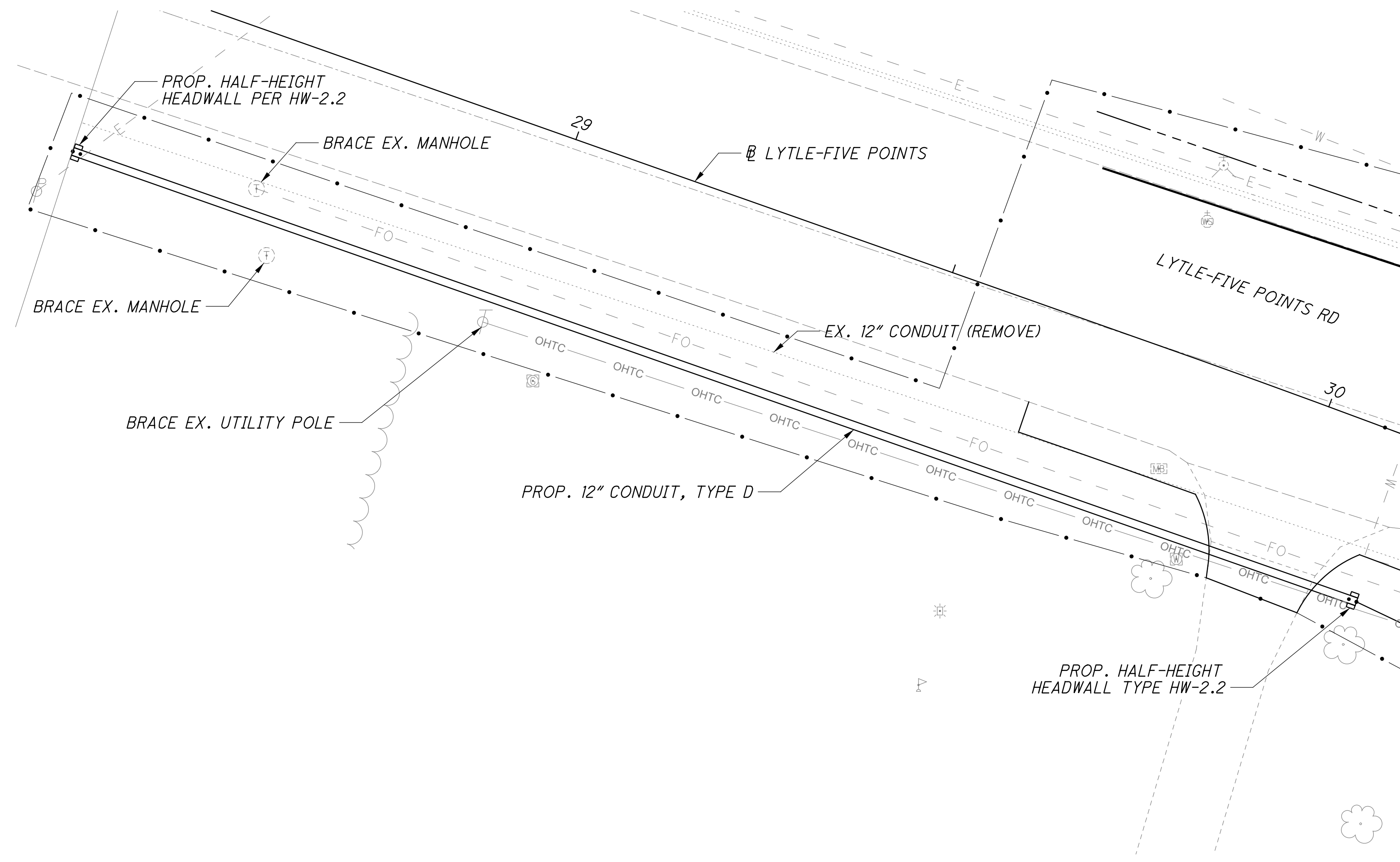
CALCULATED CJR CHECKED JCH

0 5 10 20
 HORIZONTAL SCALE IN FEET

STORM SEWER PLAN AND PROFILES
 D1 & D2

WAR-CR46/TR128 -
 ROUNDABOUT

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Storm Sewer Plan&Pro_2.dgn 11/2/2020 9:58:04 AM carl



CALCULATED
CJR
CHECKED
JCH

0 10 20
HORIZONTAL
SCALE IN FEET

STORM SEWER PLAN AND PROFILES
LYTLE-FIVE POINTS RD & LION 5 POINTS

WAR-CR46 / TR128 -
ROUNDABOUT

GENERAL SANITARY SEWER NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO RULES AND REGULATIONS SET BY THE CITY OF SPRINGBORO AND WARREN COUNTY.
2. ANY PART OF THE WORK THAT IS NECESSARY OR REQUIRED TO MAKE EACH INSTALLATION SATISFACTORY AND OPERABLE FOR ITS INTENDED PURPOSE TO THE SATISFACTION OF THE OWNER AND ENGINEER, EVEN THOUGH IT IS NOT SPECIFICALLY INCLUDED IN THE DRAWINGS, SHALL BE PERFORMED AS INCIDENTAL WORK AS IF IT WERE SHOWN ON THE DRAWINGS.
3. ANY ITEM REQUIRED BUT NOT LISTED AS A SEPARATE PAY ITEM SHALL BE INCLUDED IN THE SANITARY SEWER LF BID ITEM. NO SEPARATE PAYMENT WILL BE MADE.
4. THE CONTRACTOR SHALL NOTIFY EACH RESIDENT 48 HOURS PRIOR TO EXCAVATING HIS/HER PROPERTY AND ADVISE THE RESIDENT ON THE ESTIMATED TIME THAT ACCESS WILL BE BLOCKED. THE CONTRACTOR SHALL CLEAN UP AS CONSTRUCTION PROGRESSES. ALL DRIVEWAYS SHALL BE REINSTALLED FOR USE AS SOON AS THE CROSSING IS COMPLETE TO THE SATISFACTION TO THE OWNER.
5. THE CONTRACTOR SHALL LIMIT THEIR WORK AREA TO THE EASEMENTS SHOWN ON THESE PLAN UNLESS WRITTEN PERMISSION IS GIVEN BY THE PROPERTY OWNER AND APPROVED BY THE CITY.
6. THE LOCATIONS OF THE PROPOSED AND/OR EXISTING SANITARY SERVICE LATERALS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY IN THE FIELD, WITH THE COUNTY OR A CITY REPRESENTATIVE, THE MOST SUITABLE LOCATION TO CONSTRUCT THE PROPOSED LATERALS IN ORDER TO PROVIDE SANITARY SEWER SERVICE.
7. CONTRACTOR IS REQUIRED TO REPLACE ANY FENCING THAT IS REMOVED WITH AN EQUAL OR BETTER QUALITY FENCING TO THE PROPERTY OWNER'S SATISFACTION. CONTRACTOR TO PROVIDE TEMPORARY FENCING AS REQUIRED TO MEET INDIVIDUAL PROPERTY OWNER'S REQUIREMENTS FOR THE DURATION OF THE PROJECT.
8. WHERE PROPOSED SEWER CROSSES STORM DITCHES, PIPE IS TO BE LAID AT LEAST 4 FEET BELOW THE BOTTOM OF THE DITCH.
9. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEMS ARE PROHIBITED.
10. ALL NON-PERMANENT STRUCTURES (SHEDS, SWINGS, PLAY EQUIPMENT, ETC.) THAT ENCR OACH ON CONSTRUCTION SHALL BE TEMPORARILY REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. IF ANY OF THESE ITEMS ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE TO RESTORE THE ITEMS IN AS GOOD OR BETTER CONDITION AS THEY WERE IN AT THE START OF THE PROJECT.
11. CONTRACTOR TO PROVIDE TEMPORARY SUPPORT OR BRACING TO UTILITY POLES AS NECESSARY FOR PROPER SEWER INSTALLATION. CONTRACTOR TO COORDINATE ANY TEMPORARY OR PERMANENT RELOCATION OF UTILITY POLES.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING MANHOLES TO MATCH FINISHED GRADE ELEVATIONS.
13. PRIOR TO CONNECTING TO EXISTING SANITARY SEWER MANHOLES, THE CONTRACTOR SHALL GIVE THE CITY A 72 HOUR ADVANCE NOTICE.
15. THE CONTRACTOR IS RESPONSIBLE TO FOLLOW TESTING PROCEDURES AS SPECIFIED HEREIN AND/OR AS SPECIFIED IN WARREN COUNTY DEPARTMENT OF WATER AND SEWER STANDARD DETAILS, STANDARD NUMBER SG-4. ALL TESTING MUST BE WITNESSED BY A CITY REPRESENTATIVE. THE CONTRACTOR SHALL NOTIFY THE CITY OF HIS INTENTIONS TO CONDUCT PERFORMANCE TESTING AT LEAST 72 HOURS BEFORE ANY SCHEDULED TEST. WRITTEN RESULTS FOR EACH TEST MUST BE PROVIDED TO THE CITY.
16. ALL LINES PRIOR TO TESTING SHALL BE RODDED OUT WITH THE APPROPRIATE TOOLS FOR THE REMOVAL OF DIRT, TRASH, OR DEBRIS.
17. NOT LESS THAN 30 DAYS AFTER BACKFILLING SANITARY LINES, A DEFLECTION (MADNREL) TEST SHALL BE PERFORMED BY THE CONTRACTOR ON ALL SEWER MAINS.

UTILITY NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. THE LOCATIONS AND ELEVATIONS OF THE EXISTING UTILITIES, AS INDICATED ON THE DRAWINGS, ARE FOR INFORMATIONAL PURPOSES ONLY. NO RESPONSIBILITY IS ASSUMED FOR THE ACCURACY OR THE COMPLETENESS OF THIS INFORMATION. ALL UTILITIES MUST BE MARKED AND THEIR HORIZONTAL AND VERTICAL LOCATION FIELD VERIFIED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION. THE CONTRACTOR SHALL NOT CUT OR DISCONNECT ANY EXISTING UTILITIES WITHOUT PRIOR APPROVAL FROM THE APPROPRIATE AGENCY.
2. EXISTING UNDERGROUND UTILITIES AND SERVICES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS ACCORDING TO KNOWN INFORMATION AVAILABLE. THE LOCATIONS SHOWN ARE INTENDED ONLY AS GUIDE AND CANNOT BE GUARANTEED TO BE ACCURATE OR COMPLETE. DURING CONSTRUCTION THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES, WHETHER SHOWN ON THE CONTRACT DRAWINGS OR NOT. IF DAMAGE IS CAUSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR OR RESTORATION TO THE SATISFACTION OF THE OWNER OR UTILITY OWNER AT THE CONTRACTOR'S EXPENSE.
3. ELECTRIC SERVICE, GAS SERVICE, WATER SERVICE, TELEPHONE AND CABLE SERVICE, AND OTHER UTILITY LINES MAY BE LOCATED IN THE PROXIMITY OF THE WORK AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
 - A) CONTACTING THE INDIVIDUAL UTILITY OWNERS TEN (10) DAYS PRIOR TO CONSTRUCTION AND ADVISING THEM OF THE WORK TO TAKE PLACE.
 - B) SOLICITING THEIR AID IN LOCATING AND PROTECTING OR RELOCATING ANY UTILITY THAT MAY INTERFERE WITH CONSTRUCTION.
 - C) ALL DAMAGE TO ANY EXISTING UTILITY, AND REPAIR THEREOF.
 - D) CONTACTING THE OHIO UTILITIES PROTECTION SERVICE (OHIO811) 48 HOURS MINIMUM PRIOR TO CONSTRUCTION.
 - E) CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO RESTORE ALL EXISTING UTILITIES WHETHER SHOWN OR NOT, ENCOUNTERED OR DISTURBED DURING CONSTRUCTION TO BEFORE CONSTRUCTION CONDITIONS OR BETTER, AS ACCEPTABLE TO THE UTILITY OWNER.
4. WHERE POTENTIAL ELEVATION CONFLICTS MAY OCCUR WITH EXISTING UTILITIES, THE CONTRACTOR SHALL UNCOVER SUCH UTILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION IN ORDER THAT EXACT ELEVATIONS MAY BE DETERMINED AND THE NECESSARY ADJUSTMENT MADE. THE COST OF THE LOCATION AND ADJUSTMENT WORK, IF ANY, SHALL BE INCLUDED IN THE TOTAL COST FOR THE PROJECT. NO ADDITIONAL PAYMENT WILL BE MADE.
5. ADJUSTMENTS TO THE LINE HORIZONTALLY AND VERTICALLY WITHIN 24 INCHES SHALL BE MADE BY THE CONTRACTOR AT HIS OWN EXPENSE. NO ADDITIONAL PAYMENT WILL BE MADE.

SANITARY SEWER SERVICE CONNECTION SCHEDULE

ADDRESSES FOR CONNECTION
9025 BUNNELL HILL RD
8937 BUNNELL HILL RD
8956 BUNNELL HILL RD
15 E LYTLE-FIVE POINTS RD
35 E LYTLE-FIVE POINTS RD
8939 RED LION-FIVE POINTS RD (CAP FOR FUTURE USE)

ITEM 611 - 6" CONDUIT, TYPE C, AS PER PLAN

AS SHOWN ON THE DRAWINGS, CONTRACTOR SHALL INSTALL NEW SANITARY SEWER SERVICE PIPE TO CONNECT PRIVATE PROPERTIES TO NEW SANITARY SEWER CONDUIT. CONTRACTOR SHALL ADJUST THE SANITARY SEWER SERVICE PIPE TO CLEAR EXISTING CROSSING UTILITIES BY A MINIMUM OF 6-IN. PIPE SIZE AND MATERIAL SHALL BE SHOWN ON DRAWINGS, CONFORMING TO ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS, 2019, 707.45 AND INSTALL PER STANDARD DETAILS PROVIDED IN THE DRAWINGS.

THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT TO INSTALL NEW SANITARY SEWER SERVICE PIPE INCLUDING EXCAVATION, HAUL-OFF AND DISPOSAL OF EXCAVATED MATERIALS, DEWATERING, BYPASS PUMPING, BACKFILL, TESTING AND RESTORATION OF AREAS NOT COVERED UNDER OTHER PORTIONS OF THIS PROJECT. AREA DISTURBED AND NOT BEING MODIFIED AS PART OF THIS PROJECT SHALL BE RESTORED TO PRECONSTRUCTION CONDITIONS.

ITEM 611 - 8" CONDUIT, TYPE B, AS PER PLAN

ALL SANITARY SEWER CONDUIT PLACED AS PART OF THIS PROJECT SHALL CONFORM TO ODOT CONSTRUCTION AND MATERIALS SPECIFICATIONS, 2019, ITEM 707.45 AS ASTM D-3034 WITH SDR 26. THE MATERIAL OF CONDUIT SHALL BE SHOWN ON THE SANITARY DRAWINGS. WHERE THE DRAWINGS CALL FOR THE PROPOSED SEWER TO CROSS EXISTING UTILITIES, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE EXISTING UTILITY, BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT FOR POSSIBLE CONFLICTS.

ALL RIGID MATERIAL INCLUDING, BUT NOT LIMITED TO, ASPHALT, CONCRETE, BRICK, CURB, CURB AND GUTTER, DRIVE APPROACHES, STONE, AND SOIL NECESSARY TO BE REMOVED TO OBTAIN THE PROPER ELEVATIONS IS TO BE INCLUDED IN THE UNIT PRICE BID FOR THIS ITEM. PRIOR TO EXCAVATION OF RIGID MATERIAL, THE CONTRACTOR SHALL SAWCUT FULL DEPTH OF MATERIAL TO CREATE A STRAIGHT EDGE FOR NEW MATERIAL CONNECTIONS. WHEN DRAWINGS CALL FOR PLACEMENT OF NEW CONDUIT INTO EXISTING STRUCTURE, CONTRACTOR SHALL CORE EXISTING STRUCTURE USING A CIRCULAR BIT. WHEN CONNECTION OF AN EXISTING PIPE IS NECESSARY, CONTRACTOR SHALL MAKE THE CONNECTION OF THE TWO PIPES WITH A FERNCO COUPLING, OR AN APPROVED EQUAL. CONCRETE AND/OR MORTAR IS NOT AN ACCEPTABLE MANNER TO CONNECT TWO PIPES.

THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT TO INSTALL NEW SEWER CONDUIT INCLUDING EXCAVATION, HAUL-OFF AND DISPOSAL OF EXCAVATED MATERIALS, DEWATERING, BYPASS PUMPING, BACKFILL, TESTING AND RESTORATION OF AREAS NOT COVERED UNDER OTHER PORTIONS OF THIS PROJECT.

ITEM 611 - MANHOLE, NO. 3, AS PER PLAN

ALL SANITARY SEWER MANHOLES SHALL BE THE TYPE AS SHOWN ON THE DRAWINGS AND PER STANDARD DETAILS PROVIDED IN THE DRAWINGS. WHEN MANHOLES ARE LOCATED WITHIN PAVEMENT, THE UPPERMOST SURFACE OF THE FRAME OR COVER SHALL BE 1/4-IN. BELOW THE PAVEMENT SURFACE. WHEN MANHOLES ARE LOCATED OUTSIDE THE PAVEMENT, THE TOP SHOULD BE SET AS FINISHED GROUND GRADE. MANHOLES SHALL BE CONSTRUCTED USING A MAXIMUM OF 12-IN. OF ADJUSTING RINGS.

THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT TO INSTALL NEW MANHOLE INCLUDING EXCAVATION, HAUL-OFF AND DISPOSAL OF EXCAVATED MATERIALS, DEWATERING, BYPASS PUMPING, BACKFILL, TESTING AND RESTORATION OF AREAS NOT COVERED UNDER OTHER PORTIONS OF THIS PROJECT.

ITEM 611 - CONDUIT, MISC.: 6" CLEAN-OUT

CLEAN-OUTS SHALL BE PROVIDED AT LOCATIONS AND ELEVATIONS INDICATED IN THE DRAWINGS AND PER STANDARD DETAILS PROVIDED IN THE DRAWINGS. CLEAN-OUTS SHALL BE CONSTRUCTED OF 6" PREFABRICATED WYES AND RISERS. RISERS SHALL BE PROVIDED AS SOLID WALL PIPE CONFORMING TO ITEM 707.45 OF THE ODOT CONSTRUCTION AND MATERIALS SPECIFICATION, 2019. CLEAN-OUT SHALL BE PROVIDED WITH THREADED WATERTIGHT CAP. ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO COMPLETE THIS WORK SHALL BE INCLUDED.

ABANDONMENT OF EXISTING SEPTIC SYSTEMS

1. CONTRACTOR SHALL COMPLETE AND SUBMIT "APPLICATION FOR SANITARY SEWER CONNECTION PERMIT" AND "CERTIFIED TRAPPER APPLICATION AND PERMIT" TO THE CITY OF SPRINGBORO. APPLICATIONS AND PERMITS MUST BE APPROVED PRIOR TO DISCONNECTION OF SEPTIC SYSTEMS AND CONNECTION TO NEW SEWER FOR EACH PROPERTY.
2. CONTRACTOR TO COORDINATE DISCONNECTION AND ABANDONMENT OF SEPTIC SYSTEMS AND CONNECTION TO NEW SEWER WITH PROPERTY OWNERS. CONTRACTOR SHALL PROVIDE AT LEAST TWO (2) WEEKS NOTICE TO PROPERTY OWNERS AND RESIDENTS.
3. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT NECESSARY TO PERFORM ABANDONMENT OF SEPTIC SYSTEM PER WARREN COUNTY HEALTH DEPARTMENT SEWAGE TREATMENT SYSTEM RULES, SECTION II. EXISTING TANKS SHALL BE CRUSHED AND FILLED. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING PRIVATE PROPERTY TO PRECONSTRUCTION CONDITIONS UNLESS OTHERWISE COVERED UNDER OTHER PORTIONS OF THIS PROJECT. THIS WORK IS INCLUDED UNDER PAY ITEM 202 - ABANDON MISC.: SEPTIC SYSTEM ABANDONMENT.

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Sanitary Drawings\Sanitary Notes 1.dgn 11/2/2020 9:58:05 AM carlr

**SANITARY SEWER NOTES
(TAKEN FROM SG-2A AND SG-2B WARREN COUNTY STANDARD
DETAILS OF WATER AND SEWER) CONT.**

7. ALL LATERALS TO BE NOT LESS THAN 6" INSIDE DIAMETER.
8. THE LOCATION OF SEWER LATERALS MUST BE STAMPED IN THE CURB AT THE TIME THE CURB IS PLACED TO PERMANENTLY INDICATE THE LOCATION OF SAID LATERALS.
9. THE LOCATION OF ALL SEWER LATERALS MUST BE PROVIDED ON THE AS-BUILT PLANS.
10. MANHOLE LATERALS SHALL HAVE AN INVERT 2" ABOVE MAIN-LINE INVERT.

11. EXISTING MANHOLE CASTINGS ARE TO BE RAISED BY EITHER A MANHOLE ADJUSTING RING OR A BARREL SECTION ADDED. IF THE HEIGHT OF NECESSARY ADJUSTMENT IS OVER 1' OR THERE IS ALREADY AN EXISTING ADJUSTMENT RING BEING USED, THE CONTRACTOR IS TO USE A NEW BARREL SECTION ONLY. EXTRA CARE IS TO BE TAKEN TO INSURE A PROPER AND TIGHT SEAL AT ALL NEW JOINTS.

12. THE CONTRACTOR MUST INSTALL MECHANICAL PLUG(S) AT THE POINT(S) OF CONNECTION TO THE EXISTING SEWER PRIOR TO INITIATING ANY CONSTRUCTION. THE BULK HEAD(S) OR MECHANICAL PLUG(S) SHALL REMAIN IN PLACE UNTIL THE NEW MAINS HAVE BEEN FLUSHED, CLEANED, TESTED, TELEVISED, AND APPROVED FOR USE BY THE CITY OF SPRINGBORO. THE MECHANICAL PLUG(S) CAN ONLY BE REMOVED IN THE PRESENCE OF A CITY SEWER INSPECTOR.

13. TRENCH SAFETY IS THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MUST INSURE THAT ALL APPLICABLE OSHA OPEN TRENCH SAFETY REQUIREMENTS ARE FOLLOWED. IT IS NOT THE CITY'S RESPONSIBILITY TO INSPECT EACH SITE FOR COMPLIANCE.

14. HDPE PIPE MAY BE USED FOR DIRECTIONAL BORING OF FORCE MAINS WITH APPROVAL FROM THE CITY SANITARY ENGINEER. ALL DIRECTIONAL DRILLING SHOULD BE ACCOMPANIED BY DRILLING LOGS AT 25' STATION INCREMENTS, PVC PIPE SHALL BE PERMITTED FOR FORCE MAINS 6" OR SMALLER IN DIAMETER. FORCE MAINS 8" OR LARGER MUST BE CLASS 53 DUCTILE IRON WITH AN INTERIOR LINING OF EPOXY OR CERAMIC. PVC SHALL CONFORM TO AWWA C900 REQUIREMENTS AND HAVE AN EQUIVALENT OUTSIDE DIAMETER OF DR 14.

15. MINIMUM SLOPE SHALL BE AS FOLLOWS:

PIPE SIZE	MINIMUM SLOPE (%)
6"	2.00
8"	0.50
10"	0.35
12"	0.28
15"	0.19
18"	0.15

16. ALL MATERIALS USED SHALL BE DOMESTIC, MADE IN THE UNITED STATES OF AMERICA.

**PIPE CONNECTIONS INTO MANHOLES (TAKEN FROM SG-3
WARREN COUNTY STANDARD DETAILS OF WATER AND SEWER)**

SEWER PIPE TO MANHOLE CONNECTIONS ON ALL SANITARY SEWERS SHALL BE FLEXIBLE AND WATERTIGHT. SEWER PIPE SHALL BE SEALED IN THE MANHOLE SECTION PIPE OPENINGS WITH A RESILIENT CONNECTOR MEETING THE REQUIREMENTS OF ASTM C923. THE CONNECTION MAY BE ANY OF THE FOLLOWING TYPES:

1. RUBBER SLEEVE WITH STAINLESS STEEL BANDING
 - A) KOR-N-SEAL AS MANUFACTURED BY POLLUTION CONTROL SYSTEMS, INC.
 - B) LOCK JOINT FLEXIBLE MANHOLE SLEEVE AS MANUFACTURED BY INTERSPACE CORPORATION
 - C) OR EQUAL
2. RUBBER GASKET COMPRESSION
 - A) PRESS WEDGE II AS MANUFACTURED BY PRESS-SEAL GASKET CORPORATION
 - B) DURA-SEAL MANUFACTURED BY DURA TECH, INC.
 - C) OR EQUAL

RESILIENT CONNECTOR SHALL BE CAST INTEGRALLY INTO THE WALL OF THE MANHOLE SECTION AT TIME OF MANUFACTURE OR SHALL BE INSTALLED BY MECHANICAL MEANS IN OPENINGS CUT INTO MANHOLE WALL PER ASTM C923.

ANY CONNECTION TO AN EXISTING MANHOLE MUST BE MADE BY CORING THE MANHOLE. ANY CORE TO A MANHOLE MUST BE CENTERED IN THE BARREL SECTION. NO CORE SHALL BE MADE ALONG THE SEAM OF THE BARREL SECTION(S).

**SEWER TESTING
(TAKEN FROM SG-4 WARREN COUNTY STANDARD
DETAILS OF WATER AND SEWER)**

1. THE CONTRACTOR MUST INSTALL MECHANICAL PLUG(S) AT THE POINT(S) OF CONNECTION TO THE EXISTING SEWER PRIOR TO INITIATING ANY CONSTRUCTION. THE MECHANICAL PLUG(S) SHALL REMAIN IN PLACE UNTIL THE NEW MAINS HAVE BEEN FLUSHED, CLEANED, TESTED, TELEVISED, AND APPROVED FOR USE BY THE CITY OF SPRINGBORO. THE MECHANICAL PLUG(S) CAN ONLY BE REMOVED IN THE PRESENCE OF A WARREN COUNTY SEWER INSPECTOR.

2. ALL NEW MANHOLES SHALL BE VACUUM TESTED. A VACUUM OF 10" OF MERCURY SHALL BE DRAWN ON THE MANHOLE. FOR A 4' MANHOLE LESS THAN 20' DEEP, MANHOLE SHALL HOLD 9" OF MERCURY FOR AT LEAST 1 MINUTE.

3. ALL SANITARY SEWER MAINS MUST BE AIR TESTED. THE STANDARD TEST IS AN AIR PRESSURE TEST OF 5.0 PSI FOR A 5-MINUTE PERIOD WITH A MAXIMUM OF 1.0 PSI LOSS.

4. ALL NON-TRUSS PIPE SHALL BE TESTED FOR DEFLECTION AFTER BACKFILLING IS COMPLETED (30 DAY MINIMUM REQUIRED). A DEFLECTION TEST WITH A NINE POINT MANDREL WILL BE REQUIRED. NO MECHANICAL PULLING DEVICE SHALL BE USED. A VERTICAL RING DEFLECTION GREATER THAN 5% WILL NOT BE ALLOWED. THIS DEFLECTION IS DEFINED AS A 5% REDUCTION IN THE VERTICAL BASE OR AVERAGE INSIDE DIAMETER.

5. AT THE TIME THE SANITARY SEWER IS TESTED, THE SEWER MUST BE CLEANED AND TELEVISED WITH VIDEO DOCUMENTATION (DVD) PROVIDED TO THE CITY OF SPRINGBORO. THE VIDEO MUST INCLUDE AUDIO IDENTIFICATION OF PIPE SPANS FROM MANHOLE TO TO MANHOLE, FLOW DIRECTION, TILT AND PAN OF ALL LATERALS AND CALL OUT ANY SUSPECT PROBLEMS IN THE SYSTEM. ALL PROBLEMS MUST BE IDENTIFIED BY THE CONTRACTOR. THE NECESSARY REPAIRS MUST BE MADE AND THE SEWER MUST THEN BE RE-CLEANED, RE-TESTED AND RE-TELEVISED.

6. A SECOND VIDEO INSPECTION IS REQUIRED ONE YEAR AFTER INSTALLATION AND/OR PRIOR TO THE RELEASE OF THE MAINTENANCE BOND. IF A DEFICIENCY IS IDENTIFIED DURING THIS TELEVISED INSPECTION, THE FAILED SEWER PIPE MUST BE TESTED AND REPAIRED TO THE SATISFACTION OF THE CITY SANITARY ENGINEER.

7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE TELEVISIONING, TESTING AND REPAIRS OF THE SANITARY SEWER.

**PROCEDURES FOR CONNECTION TO EXISTING SANITARY
SEWER SYSTEM
(TAKEN FROM SG-1 WARREN COUNTY STANDARD
DETAILS OF WATER AND SEWER)**

1. PROCEDURE FOR MAKING SEWER LATERAL CONNECTION TO EXISTING SEWER:

A) IF ABS COMPOSITE - EXCAVATE TO POINT OF LATERAL ON MAIN; CLEAN EXISTING PIPE; ALIGN SADDLE TO PROPER POSITION AND MARK AREA TO BE CUT; CUT HOLE IN PIPE AS REQUIRED MAKING SURE THE CUT OUT DOESN'T ENTER THE MAIN; ATTACH AND SEAL SADDLE WITH STAINLESS STEEL STRAPS AND MASTIC SEALER BETWEEN SADDLE AND PIPE. INSERTA TEES ARE NOT PERMITTED.

B) IF CLAY OR CONCRETE - EXCAVATE TO POINT OF LATERAL ON MAIN; PLUG OUTLET PIPE AT UPSTREAM MANHOLE - PUMP TO DOWNSTREAM MANHOLE IF NECESSARY; REMOVE CLOSEST LENGTH OF PIPE AND REPLACE WITH TEE LATERAL SECTION OF PIPE OR CORE EXISTING PIPE IN PLACE.

2. PROCEDURE FOR MAKING SEWER EXTENSIONS FROM EXISTING MANHOLES: CONSTRUCT LINE TO WITHIN ONE JOINT OF EXISTING MANHOLE; AFTER LINE PASSES LEAKAGE TEST AND CITY OF SPRINGBORO SANITARY ENGINEER APPROVES - CONNECTION IS TO BE MADE; PLUG OUTLET PIPE AT UPSTREAM MANHOLE - PUMP TO DOWNSTREAM MANHOLE IF NECESSARY; A HOLE IS CUT AT THE PROPOSED INLET POINT AND THE LAST JOINT IS LAID; EXISTING BENCH AND CHANNEL OF MANHOLE IS REBUILT AND SHAPED AS REQUIRED; NEW CONNECTION IS TO BE SEALED AS REQUIRED.

3. PROCEDURE FOR MAKING NEW MANHOLES ON EXISTING SEWER MAINS: EXCAVATE AND EXPOSE EXISTING SEWER AT POINT OF NEW MANHOLE; BUILD MANHOLE OVER EXISTING LINE WHILE NOT DISTURBING EXISTING LINE; BUILD NEW LINE(S) FROM NEW MANHOLE; AFTER NEW LINE(S) PASS(ES) LEAKAGE TEST AND CITY OF SPRINGBORO SANITARY ENGINEER APPROVES - PLUG OUTLET PIPE AT EXISTING UPSTREAM MANHOLE (PUMP TO EXISTING DOWNSTREAM MANHOLE IF NECESSARY); BREAKOUT TOP OF EXISTING SEWER AS REQUIRED AND FORM A BENCH AND CHANNEL AS REQUIRED.

4. STORM WATER AND EXTRANEIOUS FLOWS ARE PROHIBITED FROM ENTERING THE EXISTING SYSTEM DURING CONSTRUCTION. NO OPEN CUT TRENCHES WILL BE ALLOWED TO REMAIN OPEN OVERNIGHT. STORM DRAINS, DIVERSION DITCHES, PUMPS, ETC., SHALL BE USED AS REQUIRED TO MAINTAIN THE INTEGRITY OF THE SYTEM AT ALL TIMES.

5. ALL SANITARY SEWER PIPE MUCH BE BEDDED WITH NUMBER 57 STONE EXTENDING FROM A POINT NOT LESS THAN 6" BELOW THE BOTTOM OF THE PIPE TO THE SPRINGLINE OF THE PIPE. BACKFILL WITH NUMBER 9 GRITS FROM THE SPRINGLINE TO A POINT NOT LESS THAN 12" ABOVE THE CROWN OF THE PIPE. BEDDING SHALL PROVIDE A UNIFORM SUPPORT ALONG THE ENTIRE PIPE BARREL, WITHOUT LOAD CONCENTRATION AT JOINT COLLARS OR BELLS. BEDDING DISTURBED BY PIPE MOVEMENT OR BY REMOVAL OF SHORING OR MOVEMENT OF THE TRENCH SHIELD OR BOX SHALL BE RECONSOLIDATED PRIOR TO BACKFILL. BEDDING TO BE COMPACTED TO 95% PROCTOR.

6. THIS WORK IS INCLUDED IN PAY ITEM 611 - MANHOLE MISC.: CONNECT TO EXISTING SAN. MANHOLE. THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS, AND EQUIPMENT TO CONNECT NEW SEWER CONDUIT INTO AN EXISTING MANHOLE.

**SANITARY SEWER NOTES
(TAKEN FROM SG-2A AND SG-2B WARREN COUNTY STANDARD
DETAILS OF WATER AND SEWER)**

1. ALL SANITARY PIPE SHALL CONFORM TO ASTM D-2680 FOR ABS/PVC GASKETED COMPOSITE PIPE (TRUSS), ASTM D-3034 FOR SDR 26 GASKETED 4" -15" DIAMETER OR ASTM F-679 FOR SDR 26 GASKETED 18" -30" DIAMETER. PIPE LARGER THAN 15" SHALL CONFORM TO ASTM F-949 (A2000) OR ASTM F-1803. CERAMIC COATED CLASS 53 DUCTILE IRON PIPE OR EQUAL MUST BE USED WHERE SPECIFIED BY THE COUNTY SANITARY ENGINEER. JOINTS FOR PVC GRAVITY SEWER PIPE SHALL BE PUSHED ON TYPES WITH RUBBER GASKETS. PIPE ENDS SHALL NOT BE BEVELED. PIPE ENDS MUST BE SEALED.

2. ROOF DRAINS, FOUNDATION DRAINS, AND OTHER STORM WATER CONNECTIONS TO THE SANITARY SYSTEM ARE PROHIBITED.

3. NO MANHOLE, OR ANY PORTION OF THE MANHOLE, SHALL BE LOCATED UNDER A SIDEWALK OR DRIVEWAY.

4. SANITARY SEWER LATERALS SHALL BE CONSTRUCTED OF THE FOLLOWING MATERIALS:

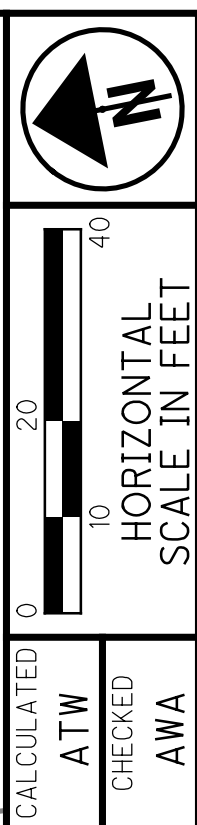
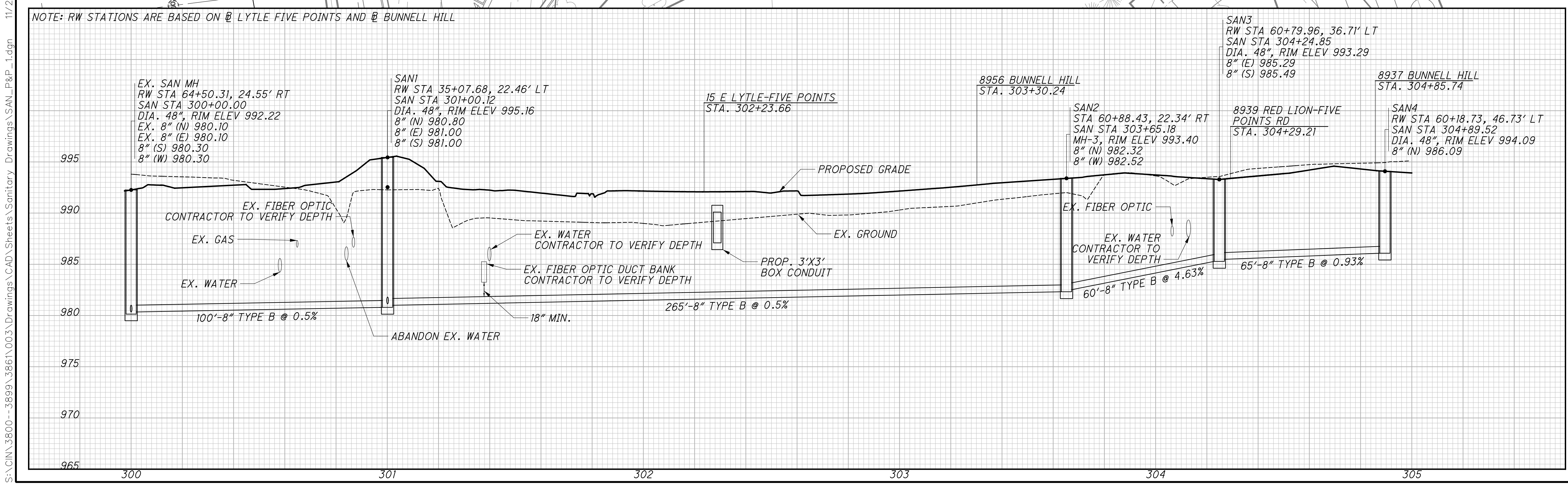
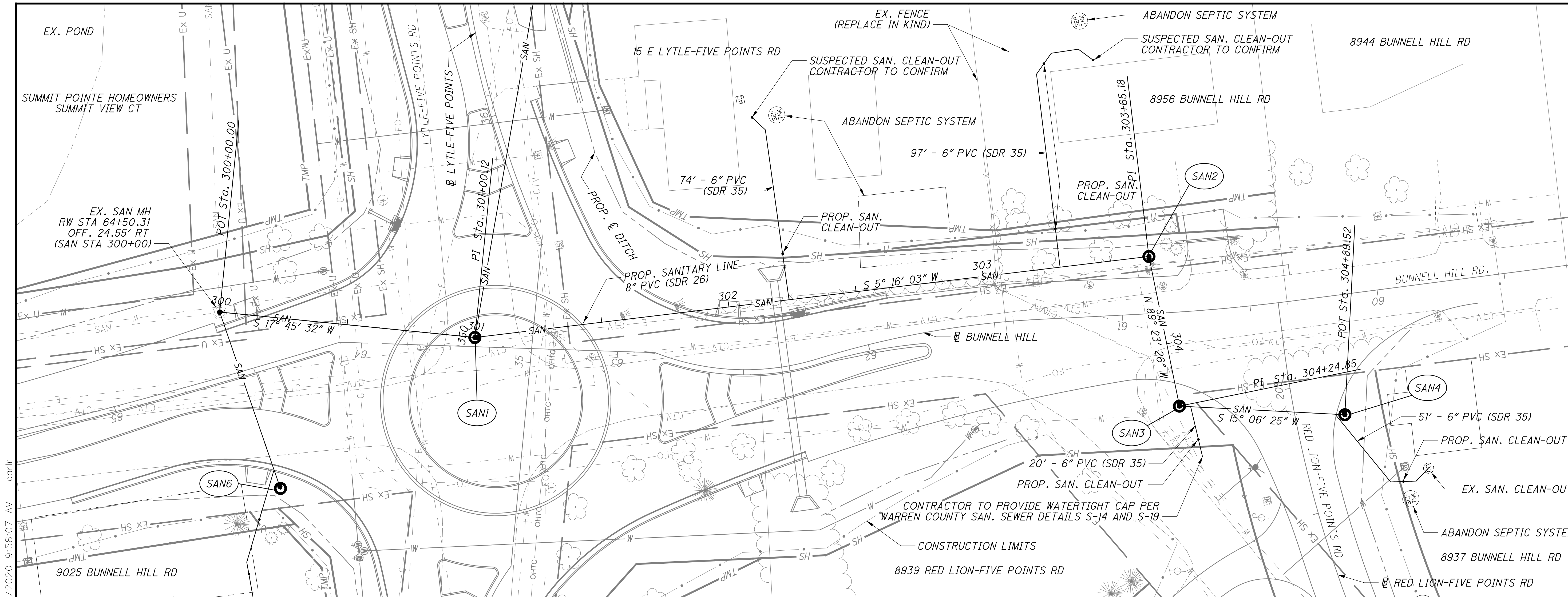
A) ABS PIPE - ASTM D-2751 WITH SDR 23.5 (6" GLUE JOINT)

B) PVC PIPE - ASTM D-3034 WITH SDR 23.5 (6" GLUE JOINT OR GASKET JOINT)
ASTM D-2665 SCHEDULE 40
ASTM D-3034 WITH SDR 35 (6" ONLY)

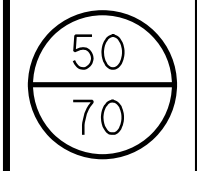
C) DUCTILE IRON - CLASS 53 (6")

5. SEWER LATERALS MUST BE EXTENDED TO THE HOUSE SIDE OF UTILITY EASEMENTS AND SHALL BE MARKED BY 2" X 4" OR LARGER POSTS. POSTS SHALL BE PAINTED GREEN. A SIX FOOT (6') LENGTH OF #6 REINFORCED BAR SHALL BE INSTALLED AGAINST THE POST. END OF SEWER LATERAL SHALL NOT EXCEED 4' IN DEPTH UNLESS APPROVED BY THE CITY SANITARY ENGINEER. SEE DETAIL S-14A.

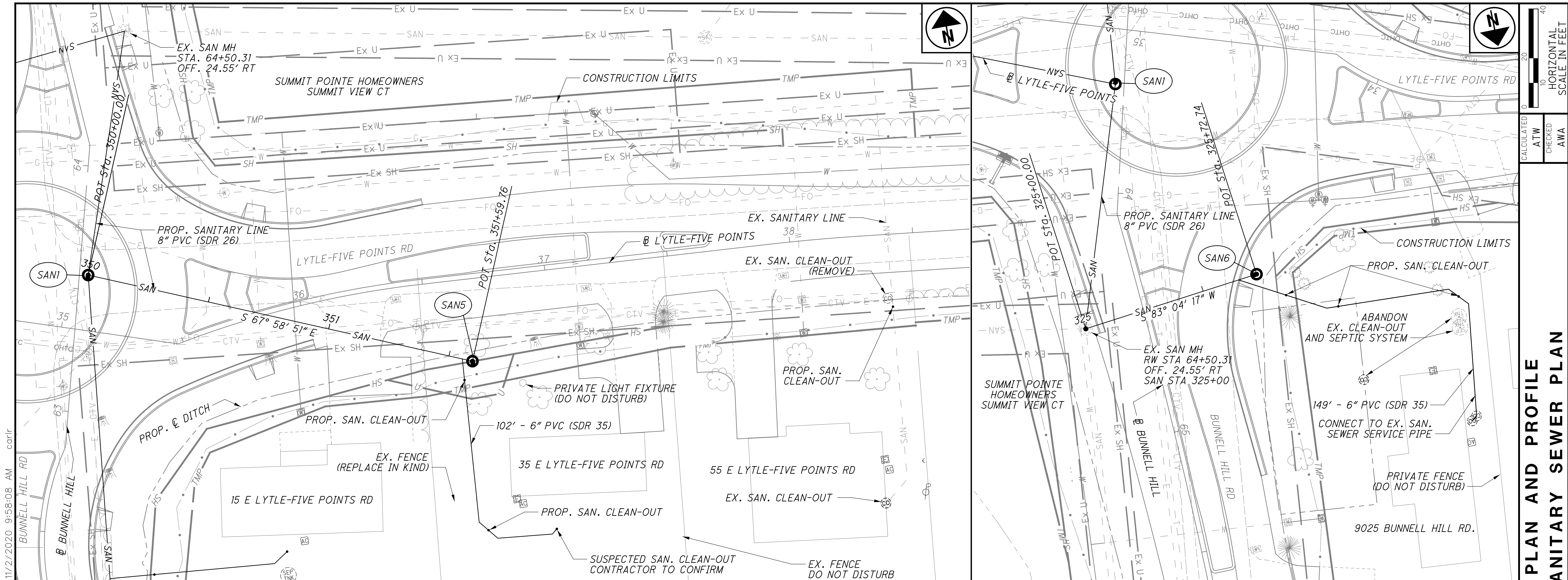
6. ONLY SANITARY WYES WITH 45° BENDS SHALL BE USED FOR SANITARY LATERAL INSTALLATION. ALL WYES TO BE GLUE JOINTS ON TRUSS AND COMPOSITE PIPE. ALL SANITARY LATERALS MUST BE 6" IN DIAMETER WITHIN THE RIGHT-OF-WAY. NO CONNECTION SHALL BE MADE TO THE CROWN OF THE SEWER MAIN.



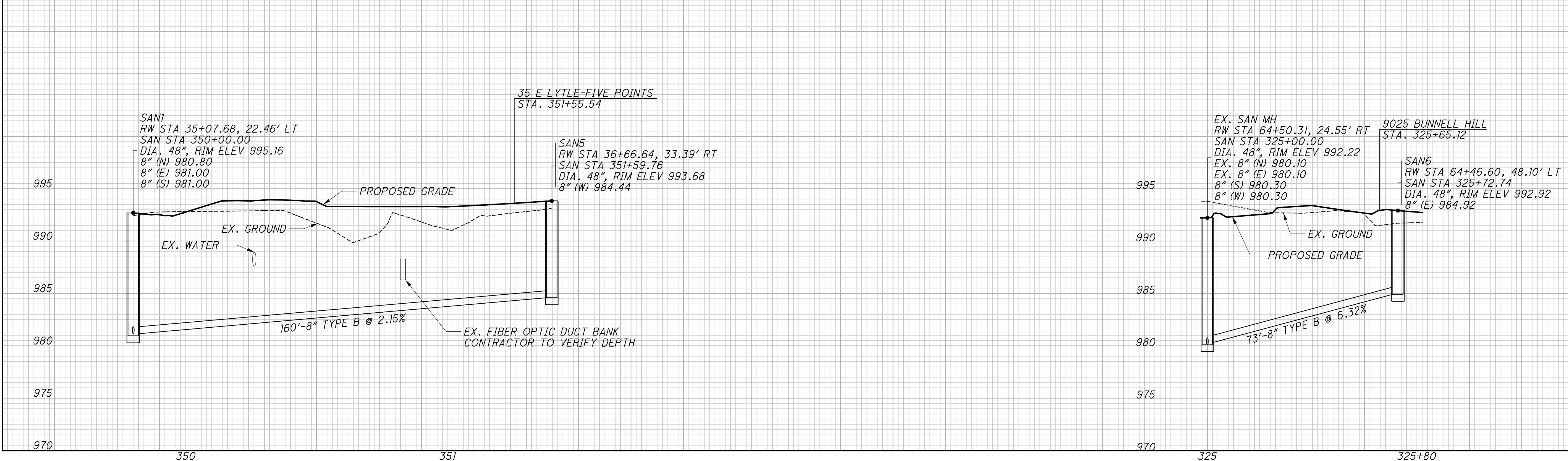
**PLAN AND PROFILE
SANITARY SEWER PLAN**



S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Sanitary Drawings\SAN_P&P_1.dgn 11/21/2020 9:58:07 AM carlr

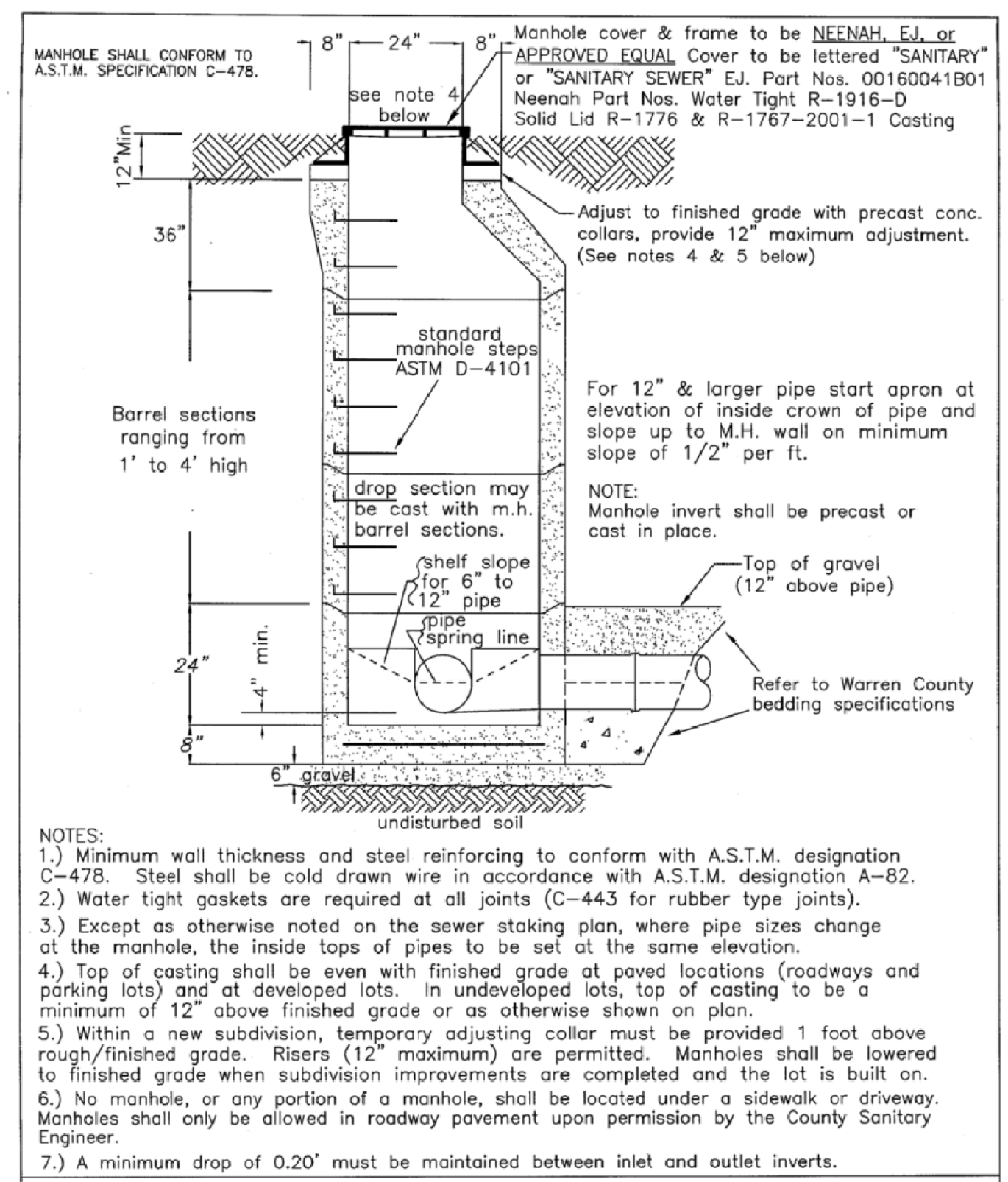


NOTE: RW STATIONS ARE BASED ON B LYTLE FIVE POINTS AND B BUNNELL HILL

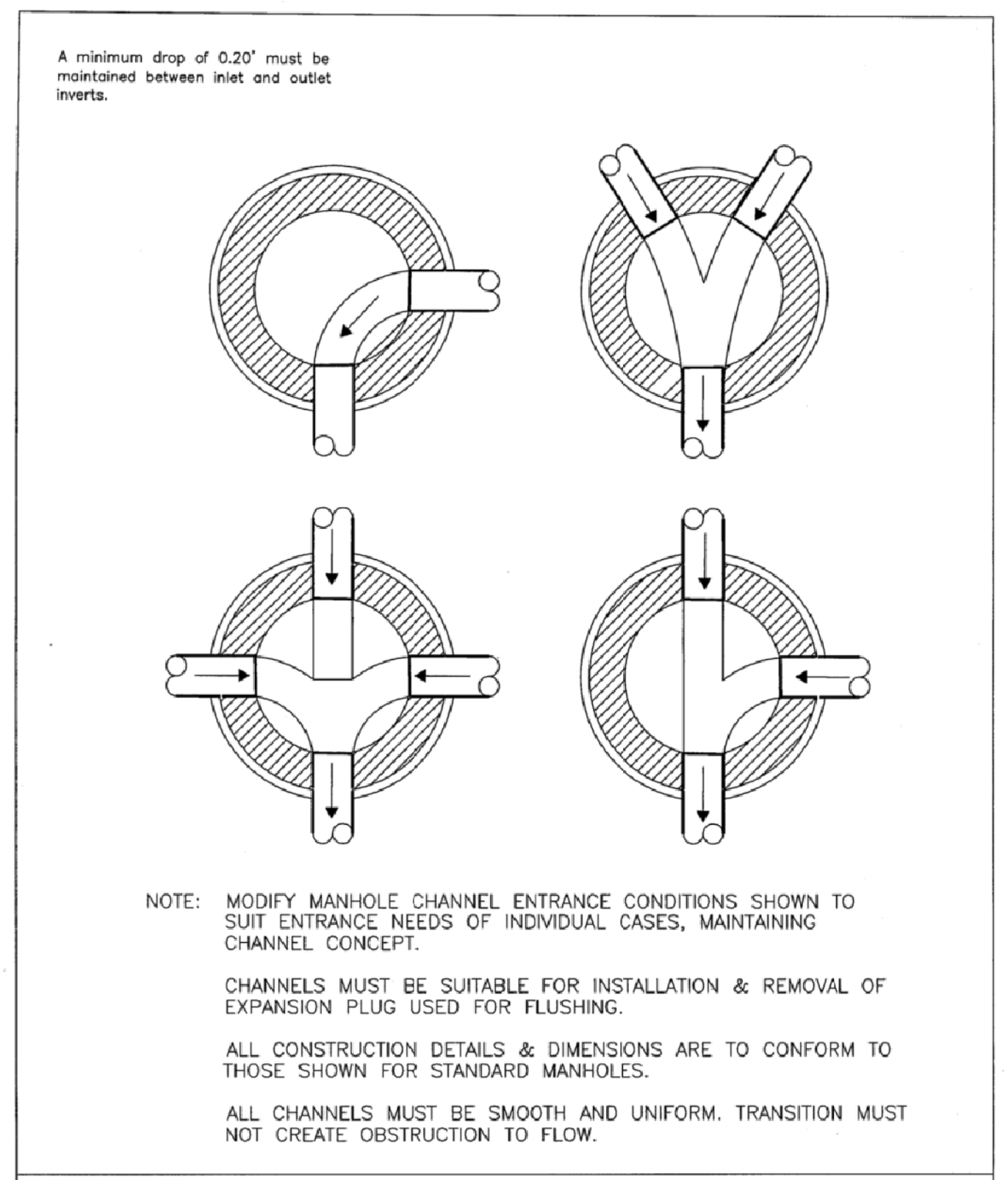


PLAN AND PROFILE
SANITARY SEWER PLAN

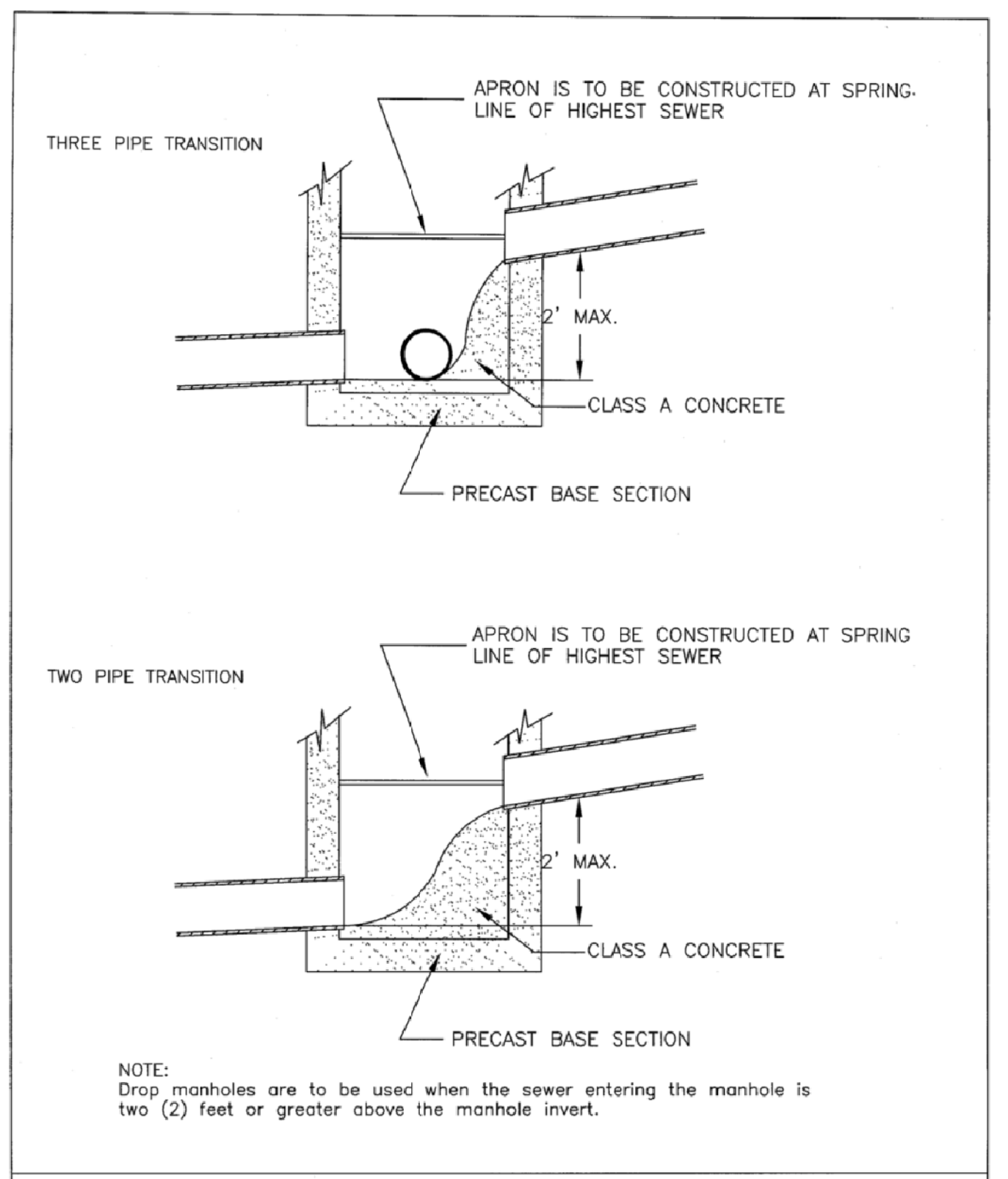
S:\CIN\3800--3899\3861\003\Drawings\Sanitary Drawings\SAN_P&P_2-3.dgn 11/2/2020 9:58:08 AM carlr



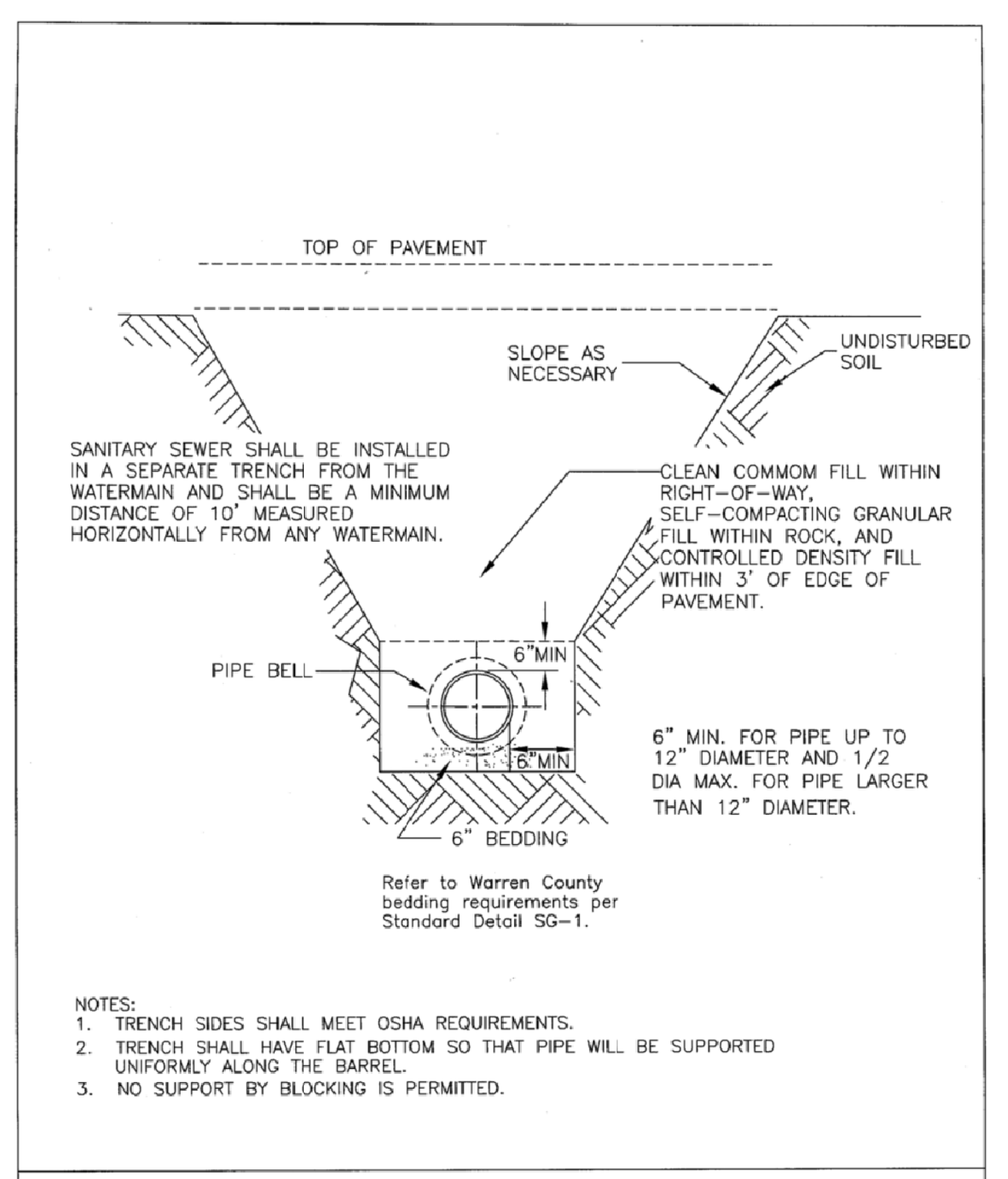
PRECAST MANHOLE		
APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		S-1



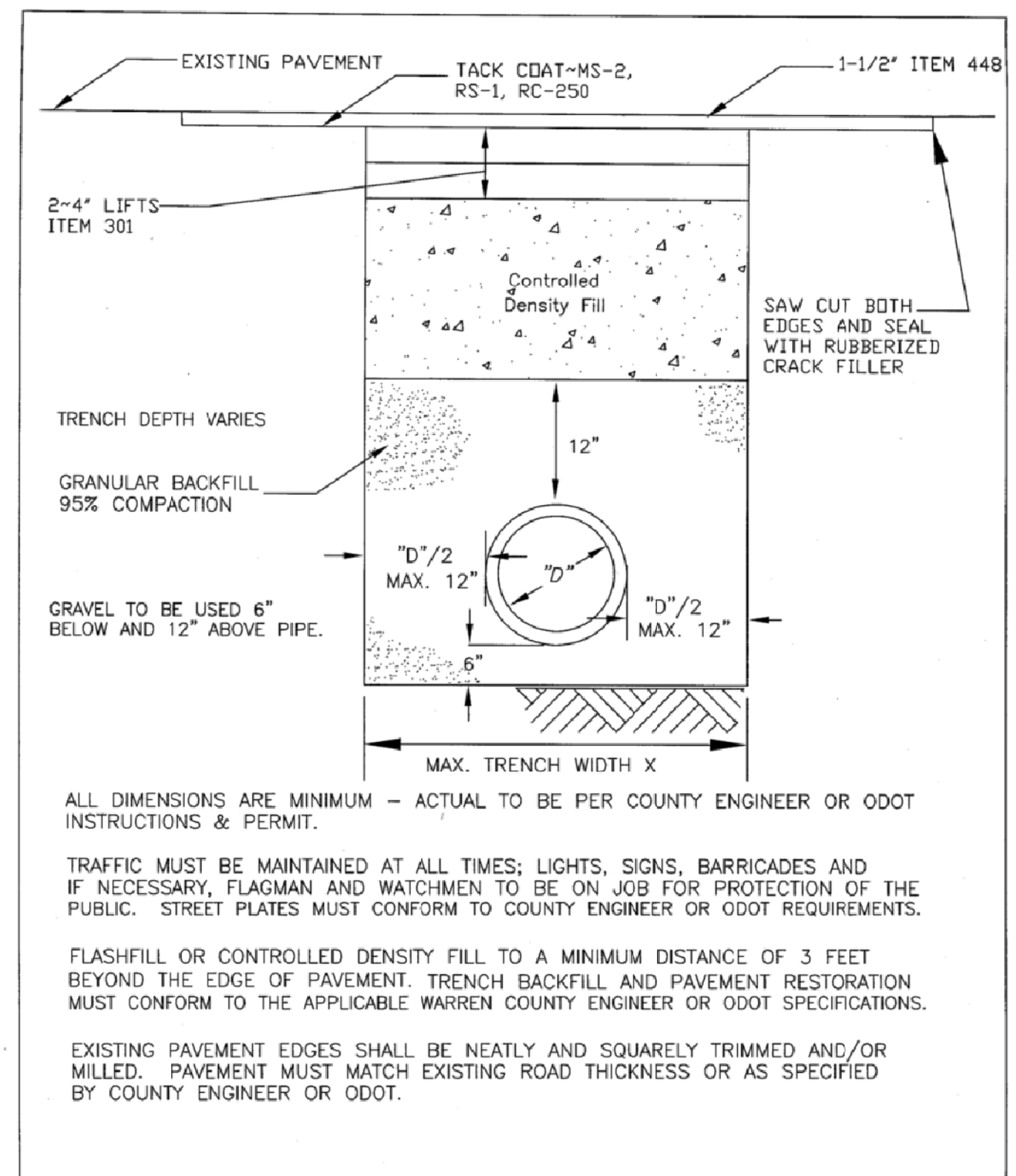
MANHOLE CHANNELS		
APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		S-4



SANITARY M.H. INVERT TRANSITION BASE SECTIONS		
APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		S-5



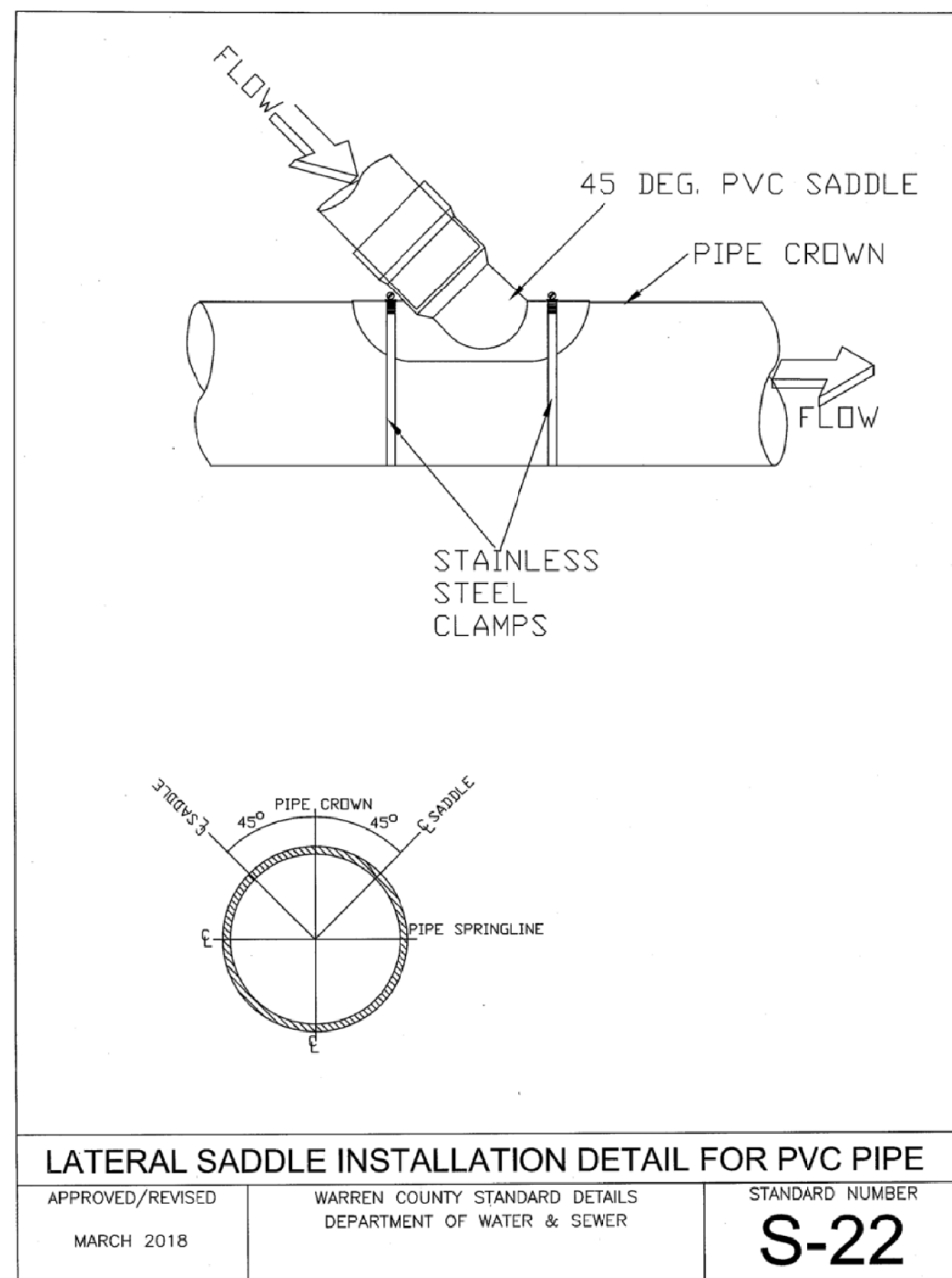
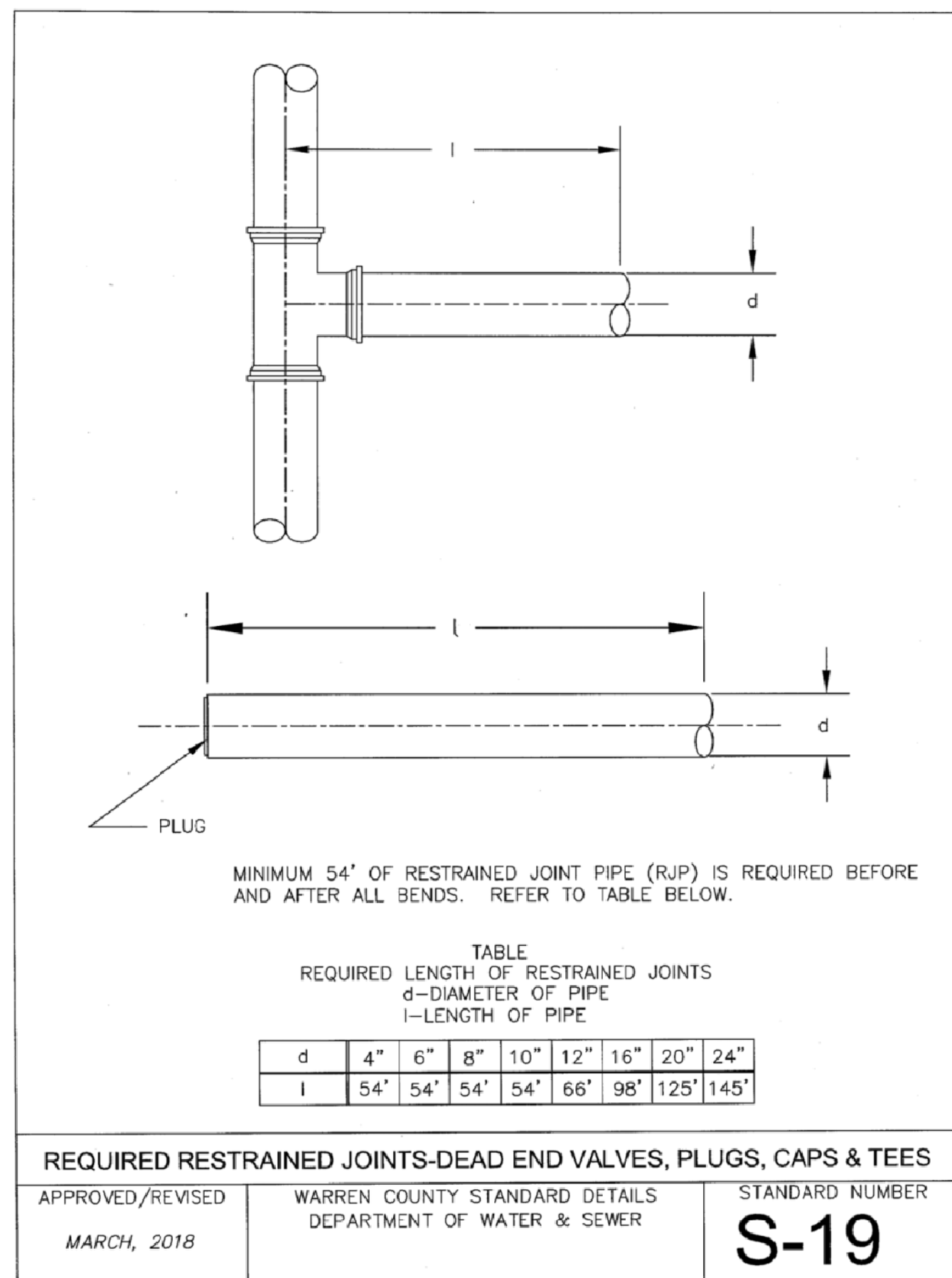
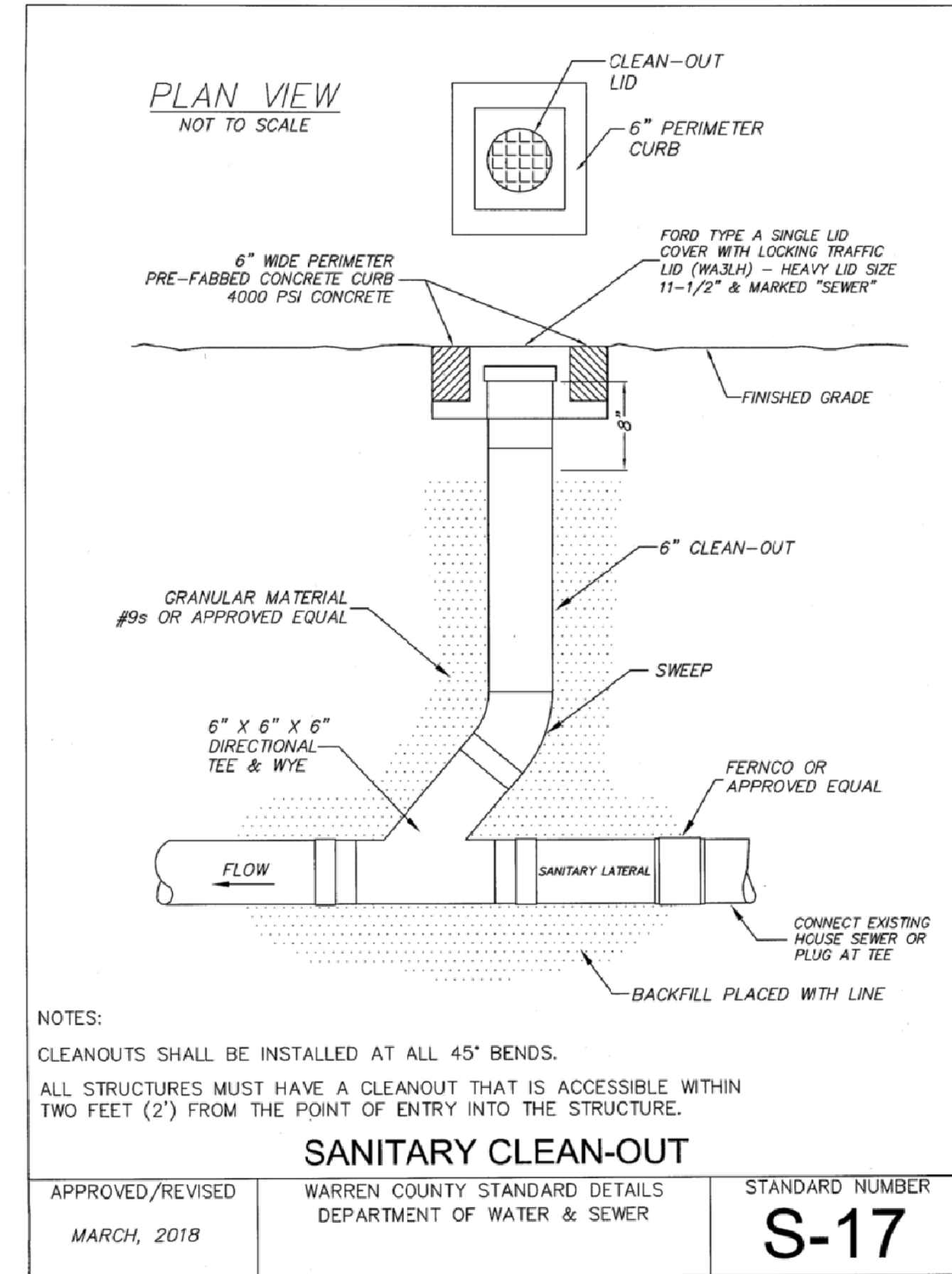
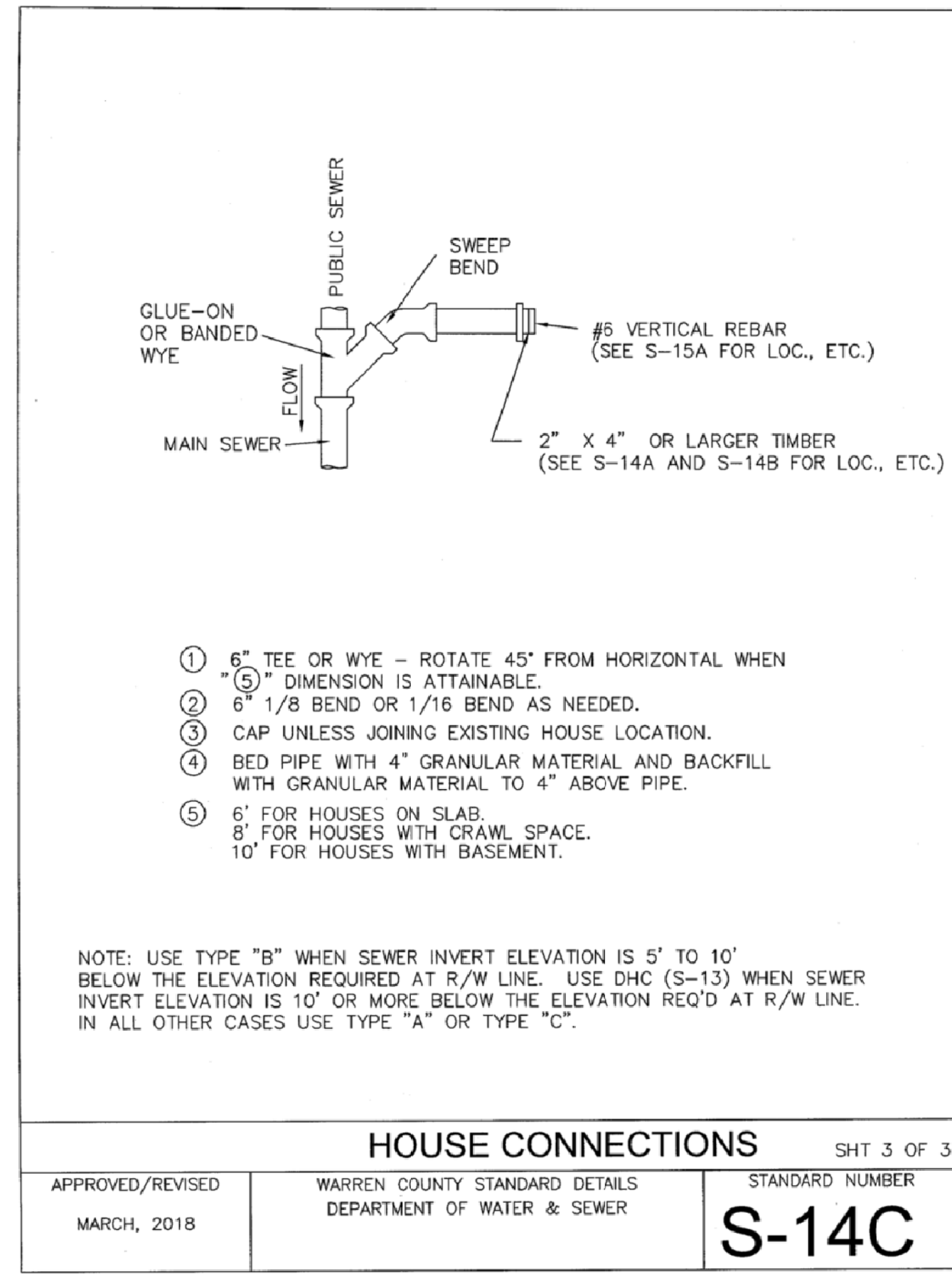
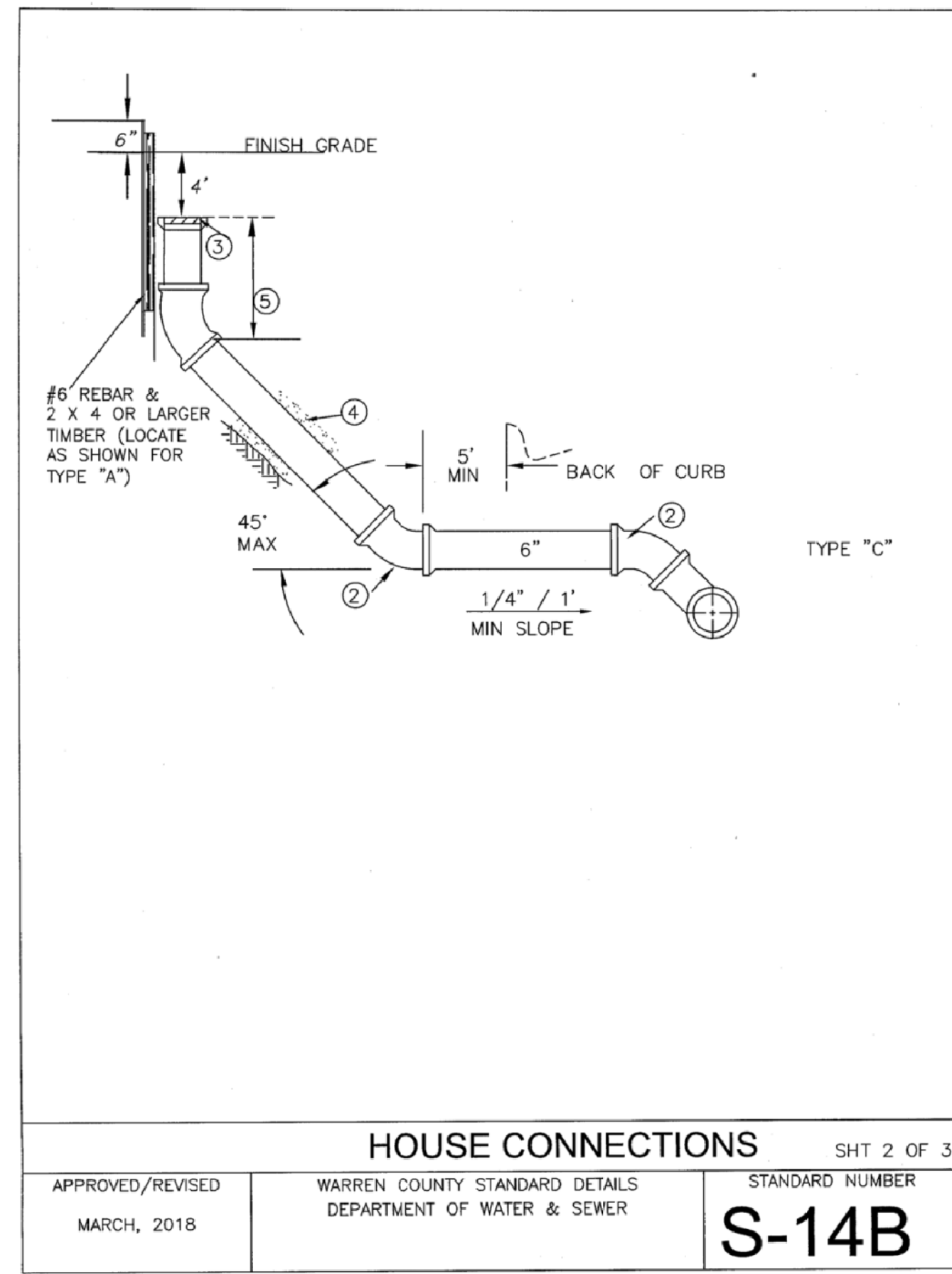
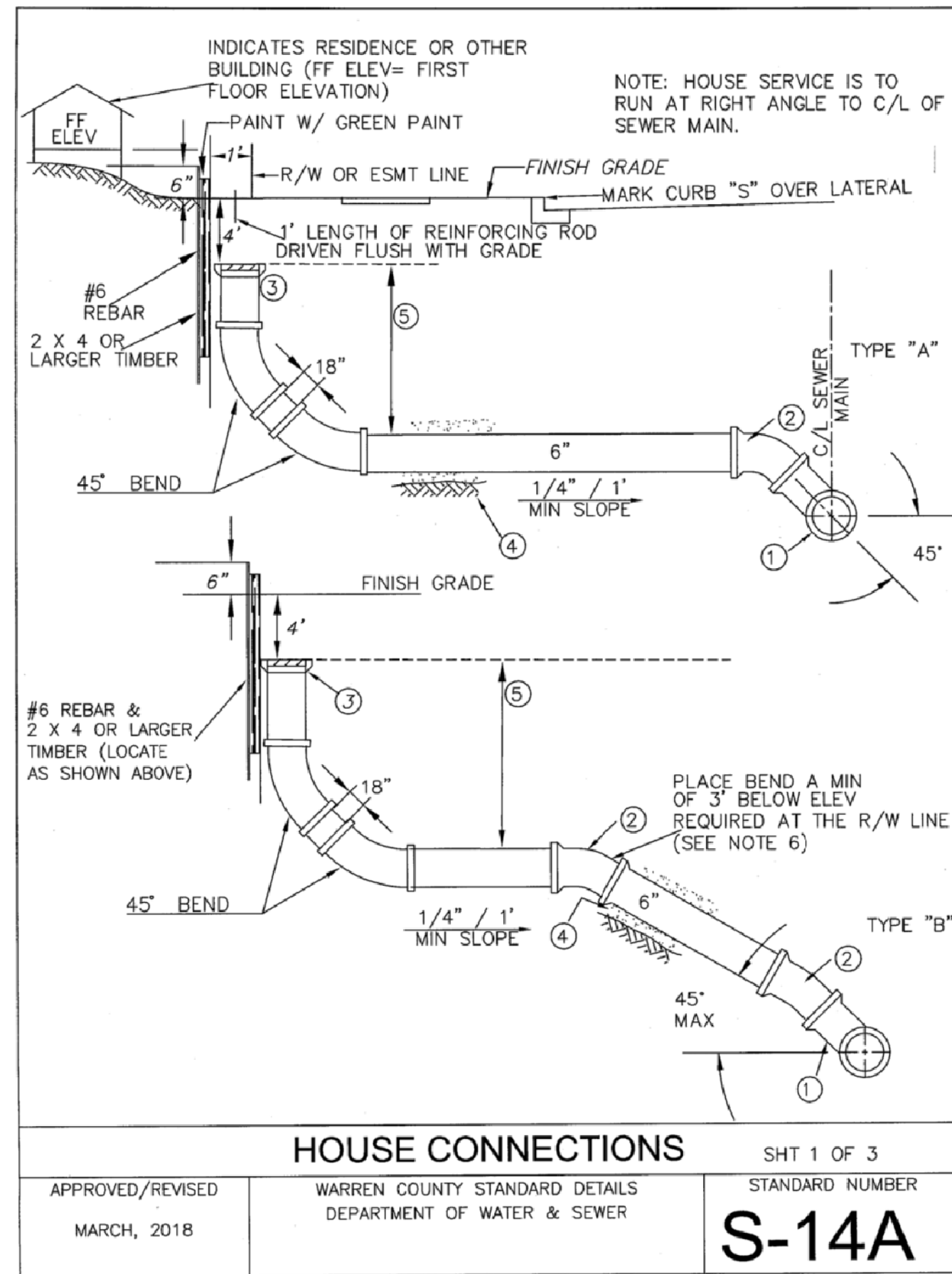
SANITARY GRAVITY SEWER TRENCH DETAIL		
APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		S-6



ROAD PAVEMENT CUT AND RESTORATION AT ROADWAY CROSSING		
APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		S-7

S:\CIN\3800--3899\3861\Drawings\CAD\Sheets\Sanitary\Sanitary_Details_1.dgn 11/2/2020 9:58:09 AM carlr

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Sanitary\Sanitary_Details_2.dgn 11/2/2020 9:58:37 AM carlr



CALCULATED
 ATW
 CHECKED
 AWA

SANITARY SEWER DETAILS

WAR-CR46 / TR128 -
 ROUNDABOUT

**WATER MAIN NOTES
(TAKEN FROM WG-1A AND WG-1B WARREN COUNTY STANDARD
DETAILS OF WATER AND SEWER)**

1. ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 4'-6".

A) ALL WATER SERVICE LATERALS SHALL HAVE A MINIMUM COVER OF 42".
2. ALL WATER MAINS SHALL BE DUCTILE IRON CONFORMING WITH AWWA SPEC. C-151 CLASS 52 IN SIZES 4"-16" AND PSI CLASS 350 FOR 20" AND ABOVE.
3. COMPACT FITTINGS ARE PERMITTED.
4. ALL WATER VALVES MUST OPEN LEFT. ALL VALVE BOX LIDS MUST BE CAST/STAMPED "WCWD" IN 1 1/2" LETTERS AND BE NEENAH NF-19130002 OR EQUAL. ALL VALVE EXTENSIONS TO HAVE SET SCREWS.
5. A CONCRETE SLAB MUST BE PROVIDED AT FINAL GRADE AROUND ALL MAIN VALVE BOXES. THE SLABS MUST BE EIGHTEEN INCHES (18") SQUARE/CIRCLE AND NINE (9") THICK. PRE-FABRICATED CONCRETE RINGS ARE ACCEPTABLE.
6. WATER AND SEWER LINES SHALL HAVE A MINIMUM OF TEN FEET (10') HORIZONTAL SEPARATION AND/OR TWO FEET (2') VERTICAL SEPARATION.
7. NO GATE VALVE, METER PIT, BLOW OFF OR CORPORATION STOP SHALL BE LOCATED UNDER OR WITHIN THREE FEET (3') OF DRIVEWAYS, ROADWAYS OR SIDEWALKS.
8. NO DRIVEWAY SHALL BE INSTALLED WITHIN FIVE FEET (5') OF A FIRE HYDRANT.
9. A MINIMUM OF THREE FEET (3') IS REQUIRED BETWEEN CORPORATION STOPS. NO TAP SHALL BE MADE WITHIN THREE (3') OF A BELL.
10. THE LOCATION OF WATER SERVICE LATERALS MUST BE STAMPED IN THE CURB AT THE TIME THE CURB IS PLACED TO PERMANENTLY INDICATE THE LOCATION OF SAID LATERALS.
11. THE LOCATION OF ALL WATER SERVICE LATERALS, BENDS, TEES, ETC. MUST BE PROVIDED ON THE AS-BUILT PLANS. ALL OF THESE APPURTENANCES SHOULD BE SURVEYED IN STATE PLANE COORDINATES AND ELECTRONICALLY DELIVERED WITH AS-BUILTS.
12. CONTRACTOR SHALL SUBMIT AS-BUILT PLANS OF SANITARY AND WATER LATERALS TO THE OWNER.
13. ALL WATER MAINS CROSSING UNDER STORM DRAINS SHALL BE BACK-FILLED WITH GRANULAR MATERIAL, ODOT ITEM 310.02, BETWEEN MAINS AND DRAINS.
14. EACH SERVICE LATERAL MUST BE A CONTINUOUS PIECE OF PIPE FROM THE CORP STOP TO THE METER. COUPLINGS SHALL NOT BE ALLOWED. TYPE K COPPER SHALL BE USED FOR 3/4" AND 1" SERVICES. TRACER WIRE MUST BE USED WITH POLY AND SDR 21.
15. SERVICE LINES 1" AND LARGER MUST BE EITHER TYPE K COPPER, POLY 200 PSI (ASTM D-2737) OR SDR 21 (SLIP JOINT) (ASTM-2241). TRACER WIRE MUST BE TAPED EVENLY EVERY 3' ON POLY AND SDR 21 FROM THE METER PIT INTO THE STRUCTURE BEING SERVED (A 3' LEAD IS REQUIRED INSIDE THE PIT).
16. 1/2" AND 2" SERVICE LINES FROM THE CORP STOP TO THE METER PIT MUST BE TYPE K COPPER OR POLYETHYLENE 200 PSI. POLY MUST HAVE A TRACER WIRE. SEE W10-B.
17. FIRE HYDRANTS MUST BE PROVIDED AT THE ENTRANCE TO ALL SUBDIVISIONS AND AT ALL STREET INTERSECTIONS.

18. AN APPROVED BACKFLOW PREVENTION ASSEMBLY SHALL BE INSTALLED ON ALL WATER SERVICE LATERALS BY THE PROPERTY OWNER PRIOR TO ANY POINT OF CONNECTION OR USAGE. THE FOLLOWING DEVICES AND LOCATIONS ARE REQUIRED.

- A) RESIDENTIAL DWELLING UNITS (3 FAMILY OR LESS): LOCATED IMMEDIATELY UPON ENTRY OF STRUCTURE. DUEL CHECK VALVE A.S.S.E. 1024.
 - B) LANDSCAPE IRRIGATION SYSTEMS: REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY A.S.S.E. 1013. LOCATED IMMEDIATELY UPON ENTRY OF STRUCTURE.
 - C) FIRE PREVENTION SYSTEMS: DOUBLE CHECK DETECTOR CHECK ASSEMBLY A.S.S.E. 1048 OR REDUCED PRESSURE PRINCIPLE DETECTOR CHECK A.S.S.E. 1047 IF SYSTEM CONTAINS ADDITIVES; A.S.S.E. 1048 LOCATED IN VAULT AND A.S.S.E. 1047 LOCATED IN BUILDING.
 - D) NON-RESIDENTIAL SERVICES: REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTION ASSEMBLY A.S.S.E. 1013, LOCATED IMMEDIATELY UPON ENTRY OF STRUCTURE.
19. SWAB PIPE WITH 50 PPM CHLORINE SOLUTION BEFORE INSTALLATION.
20. ALL NEW WATER MAINS SHALL BE PRESSURE TESTED FOR 2 HOURS AT 200 PSI, WHICHEVER IS GREATER. ALLOWABLE LEAKAGE SHALL BE PER TABLE 6A OF AWWA C-600.
21. DEDUCT METERS SHALL NOT BE ALLOWED.
22. NO IRRIGATION CONNECTIONS SHALL BE ALLOWED IN THE METER PIT.
23. BACK FLOW PREVENTER THAT COMPLIES WITH A.S.S.E. 1013 IS TO BE INSTALLED AHEAD OF ANY SPRINKLER BUT NOT IN METER PIT.
24. ALL MATERIALS USED SHALL BE DOMESTIC, MADE IN THE UNITED STATES OF AMERICA.

**PROCEDURE FOR CONNECTION TO EXISTING WATER SYSTEM
(WG-2 WARREN COUNTY STANDARD DETAILS DEPT OF
WATER & SEWER)**

1. MUST NOTIFY WARREN COUNTY WATER DEPARTMENT THREE (3) DAYS IN ADVANCE OF ANY SHUT DOWN. WARREN COUNTY WILL ISSUE THE SHUT DOWN NOTIFICATION AND/OR BOIL ADVISORY TO AFFECTED CUSTOMERS PER OHIO EPA REQUIREMENTS IF DETERMINED NECESSARY BY WARREN COUNTY.
2. EXPOSE EXISTING MAIN AT PROPOSED CONNECTION POINT. NO WET TAP SHALL BE MADE WITHIN THREE (3) FEET OF A BELL OR PIPE CONNECTION.
3. COUNTY PERSONNEL TO OPERATE CLOSING OF APPROPRIATE VALVES TO ISOLATE LINE TO BE TAPPED.
4. INSTALL PROPER TAPPING SLEEVE AND TAPPING VALVE. THE TAPPING SLEEVE AND VALVE SHALL BE TESTED AT 200 PSI FOR A PERIOD OF AT LEAST 5 MINUTES. THE PIPE SLUG MUST BE REMOVED AND INSPECTED BY COUNTY PERSONNEL.
5. IF THE TAPPING SLEEVE AND VALVE WILL BE UNDER FUTURE PAVEMENT, THE BURIED VALVE MUST BE LEFT OPEN AND A NEW VALVE SET OUT OF PAVEMENT.
6. FIELD CUT EXISTING MAIN AS NECESSARY TO ACCOMMODATE TEE AND CLOSE COUPLED VALVES AT EACH END OF TEE. CARE IS TO BE TAKEN SO AS NOT TO GET DIRT IN EXISTING MAIN.
7. THOROUGHLY CLEAN AND DISINFECT PIPE AND APPURTENANCES TO BE INSTALLED.
8. INSTALL TEE AND VALVES - DRESSER COUPLINGS CAN BE USED IF NECESSARY. PROPOSED MAIN VALVE IS TO BE CAPPED AND SHUT OFF. EXISTING MAIN IS THEN TO BE RETURNED TO SERVICE BY COUNTY PERSONNEL.

9. CONSTRUCTION OF PROPOSED MAIN IS TO BE COMPLETED WITHIN A JOINT OF CONNECTION TO TEE AND VALVES INSTALLED ABOVE.

10. ENTIRE LINE IS TO BE PRESSURE TESTED AND DISINFECTED TO COUNTY STANDARDS.
11. ENTIRE LENGTH OF PIPE IS TO BE THOROUGHLY CLEANED AND DISINFECTED PRIOR TO INSTALLATION. PERMATAX CHLORINE TABLETS TO BE USED FOR DISINFECTION. DOSAGE SHALL BE PER MANUFACTURER'S SPECIFICATIONS BASED ON PIPE MATERIAL.
12. NEW MAIN IS TO BE PUT INTO SERVICE BY COUNTY PERSONNEL.
13. TAPPING SLEEVES/SADDLES TO BE TWO-PIECE CAST IRON OR DUCTILE IRON (MUELLER H615). JCM412 OR FORD FTSS TAPPING SLEEVES PERMITTED ON C-900. SIZE ON SIZE TAPPING SLEEVES ARE NOT PERMITTED.

CALCULATED
PEF
CHECKED
ARE

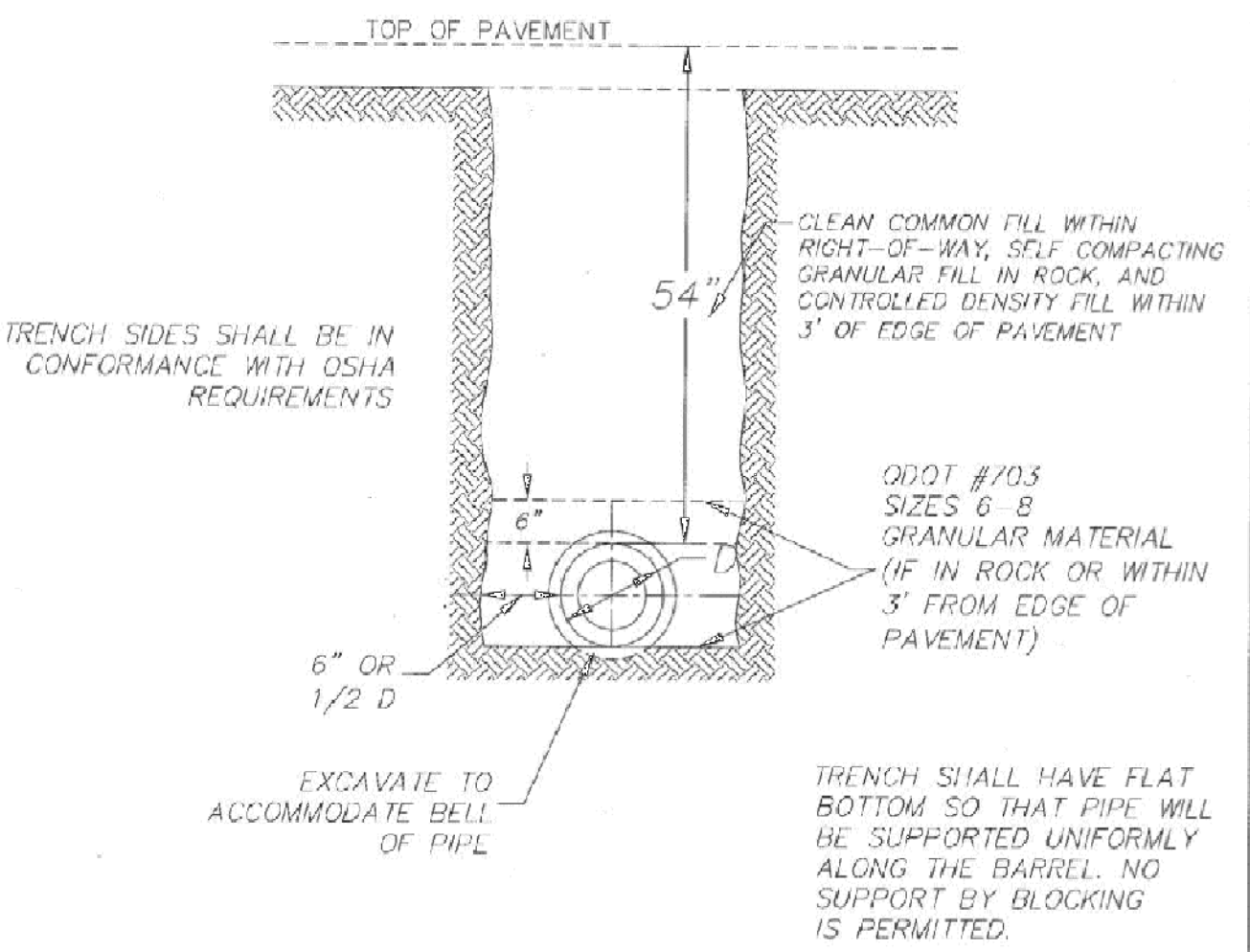
WATERMAIN NOTES

WAR-CR46 / TR128 -
ROUNDAABOUT

54
70

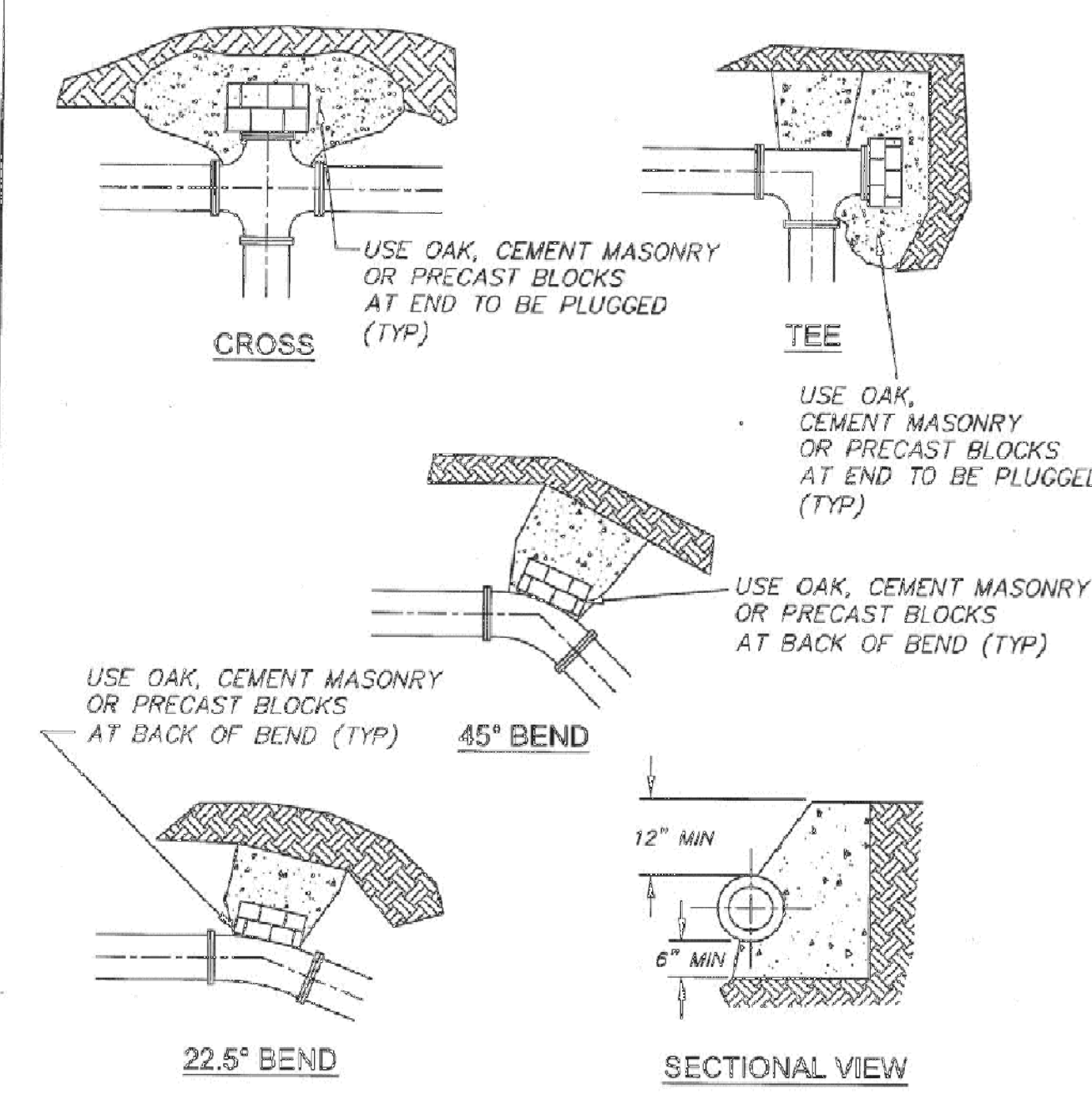
WATERMAIN SHALL BE INSTALLED IN A SEPARATE TRENCH FROM THE SANITARY SEWER AND SHALL BE A MINIMUM DISTANCE OF 10' MEASURED HORIZONTALLY FROM THE SANITARY SEWER.

BACKFILL AND RESTORATION OF PAVEMENT MUST CONFORM TO THE APPLICABLE WARREN COUNTY ENGINEER OR ODOT SPECIFICATION(S).



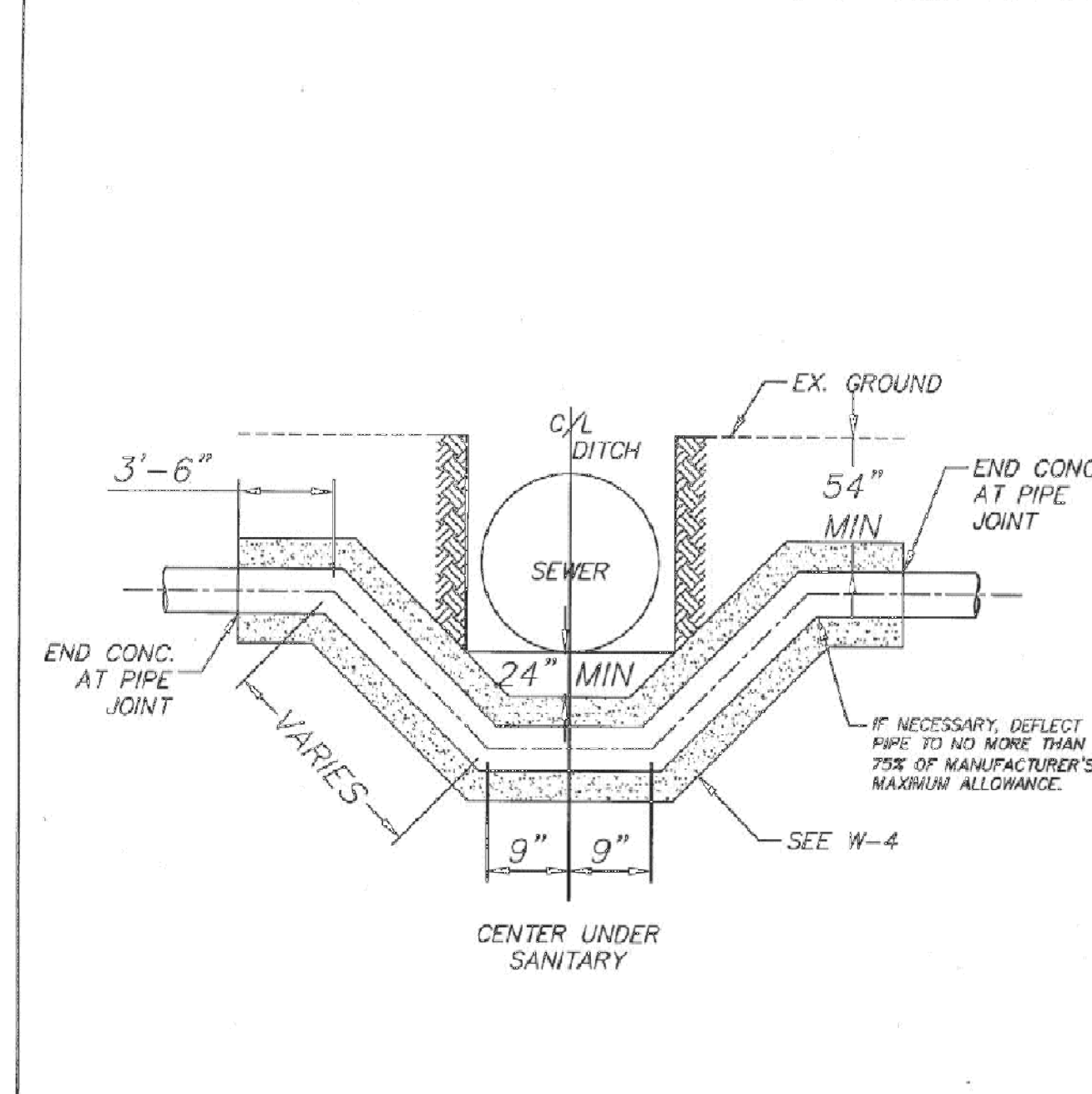
WATERMAIN TRENCH DETAIL

APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
JUNE, 2012		W-2



THRUST BLOCK DETAILS

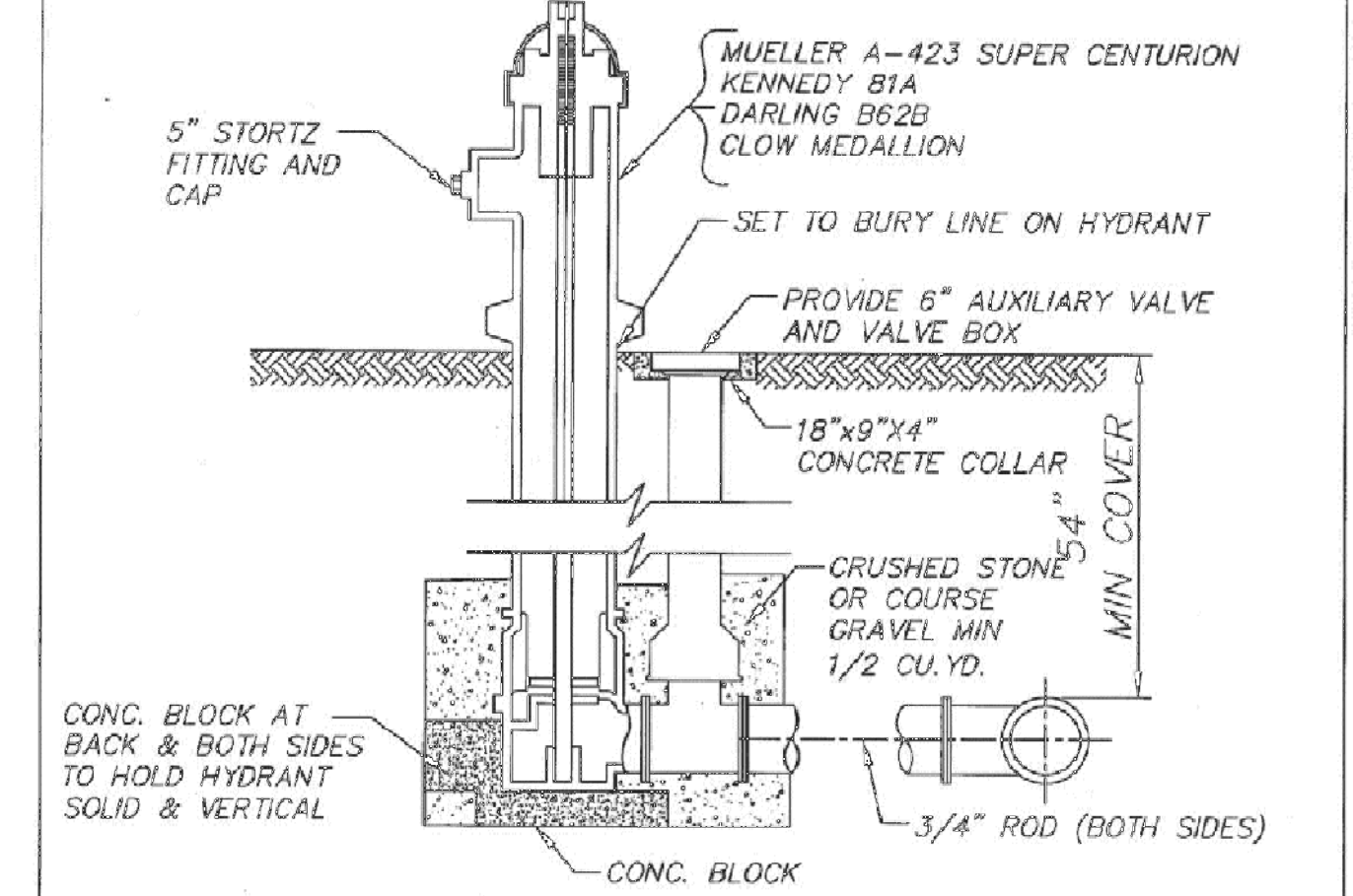
APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
JUNE, 2012		W-3



WATERMAIN ENCASEMENT AT SEWER CROSSING

APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		W-6

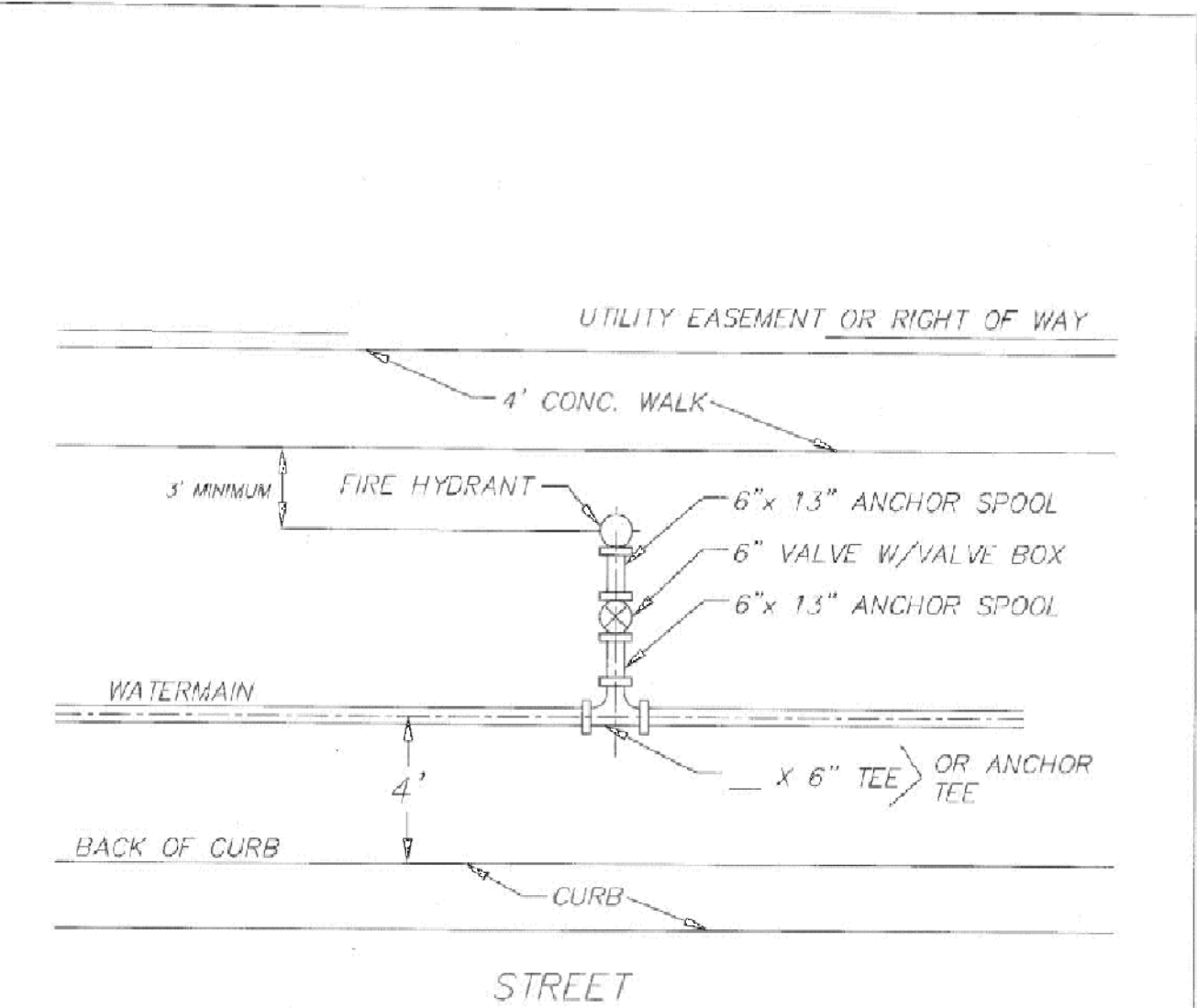
W.M.	F.H. BURIAL DEPTH
6"	5'-0"
8"	5'-0"
10"	5'-0"
12"	5'-0"
16"	5'-6"
18"	5'-6"
20"	5'-6"



- ALL VALVES MUST BE RESILIENT SEATED.
- APPROVED VALVE TYPES: CLOW, DRESSER & AMERICAN DARLING. MUST CONFORM TO AWWA C509.
- RODDING SHALL NOT BE REQ'D IF ANCHOR FLANGES (SPOOLS) ARE USED.
- HYDRANTS TO BE EQUIPPED WITH PRE-ATTACHED 4.5" NST PUMPER CONNECTION WITH A 5" STORTZ FITTING AND CAP.

HYDRANT SETTING

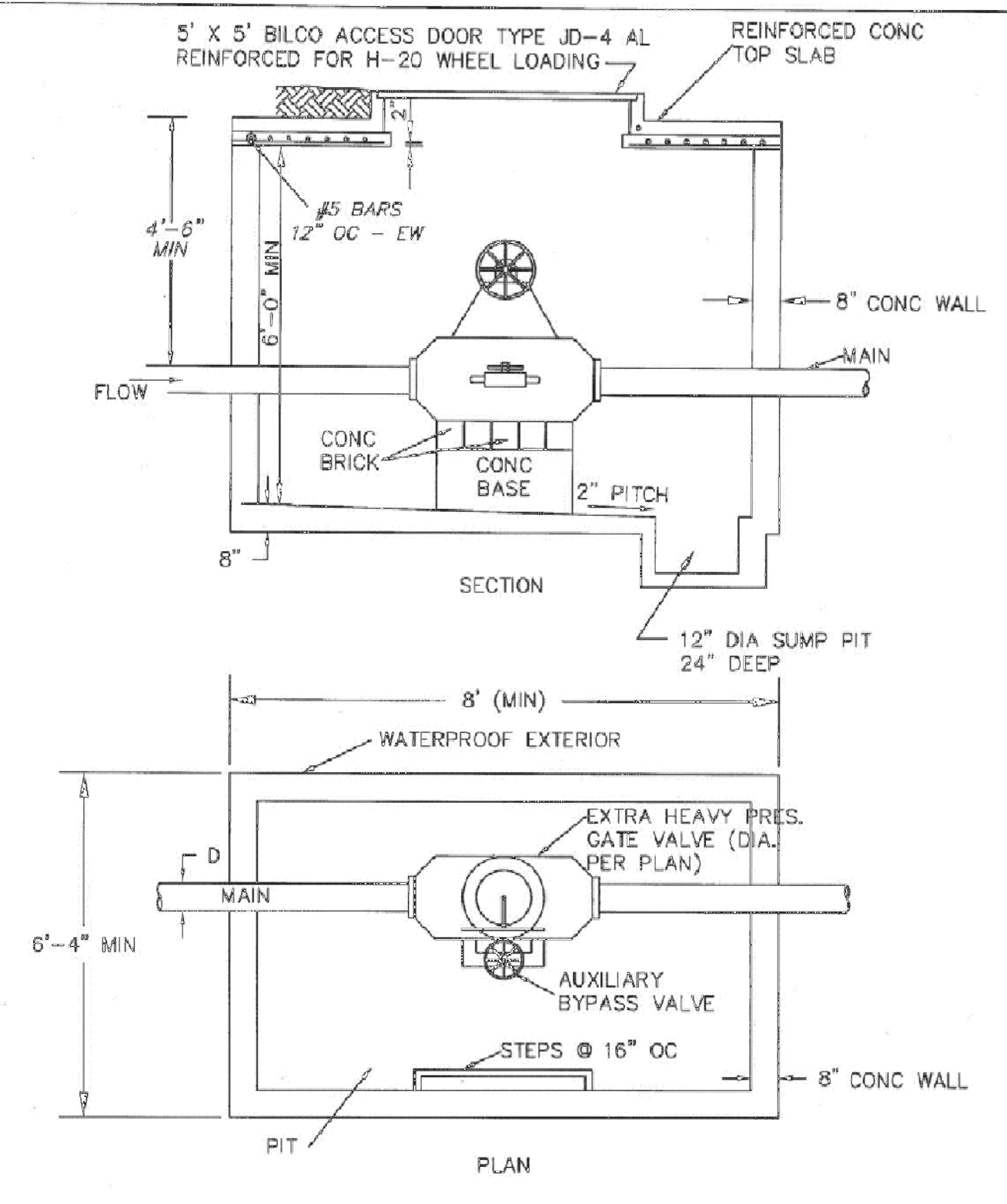
APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		W-8



- NOTES:
- HYDRANT, VALVE, BEND & TEE TO BE CLOSE COUPLED (USE RESTRAINED JOINTS)
 - HYDRANT AND VALVE MUST BE A MINIMUM OF 3' FROM ANY PAVED SURFACE.
 - ALL VALVES MUST BE RESILIENT SEATED.
 - APPROVED VALVE TYPES: CLOW, DRESSER & AMERICAN DARLING. MUST CONFORM TO AWWA C509.
 - RODDING SHALL NOT BE REQ'D IF ANCHOR FLANGES (SPOOLS) ARE USED.
 - HYDRANTS TO BE EQUIPPED WITH PRE-ATTACHED 4.5" NST PUMPER CONNECTION WITH A 5" STORTZ FITTING AND CAP.

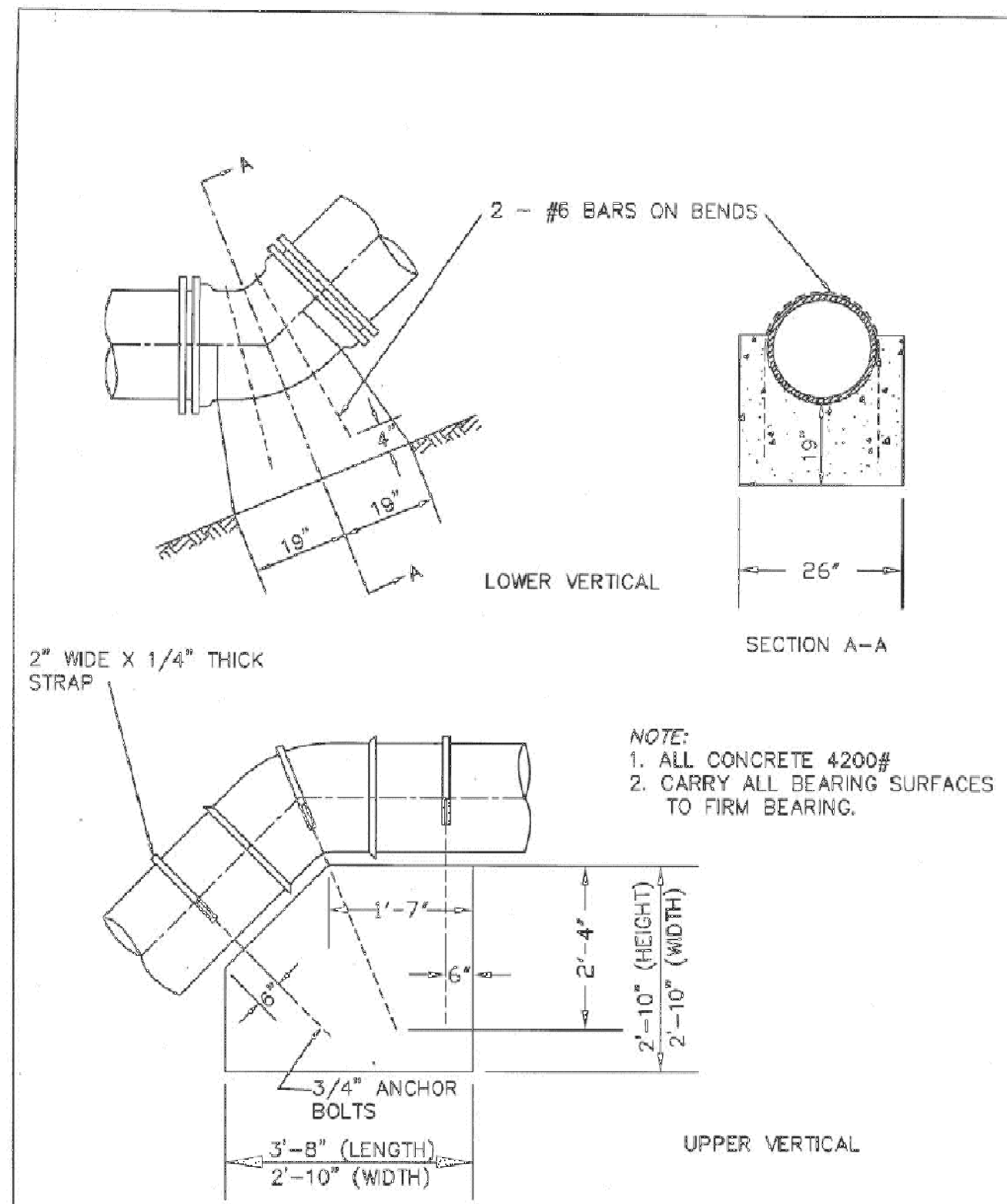
FIRE HYDRANT ARRANGEMENT

APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
JUNE, 2012		W-9



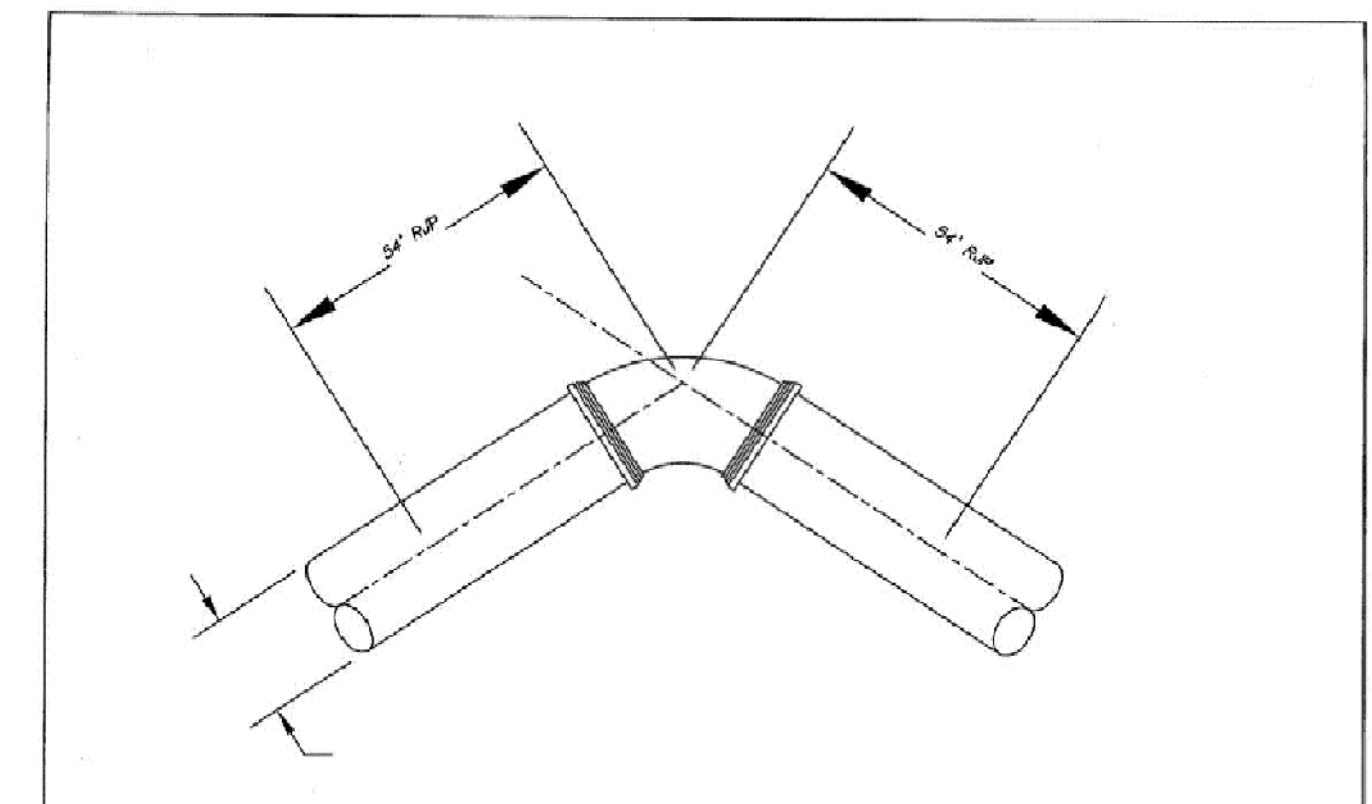
VALVE PIT

APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		W-16



ANCHORS & BUTTRESSES FOR VERTICAL BENDS

APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		W-17



MINIMUM 54' OF RESTRAINED JOINT PIPE (RJP) IS REQUIRED BEFORE AND AFTER ALL BENDS. REFER TO TABLE BELOW.

RESTRAINT OPTIONS:
MECHANICAL JOINT W/ MEGALUGS ~ ALL SIZES OF PIPE
MJ FIELD LOCKS ~ < 24" PIPE

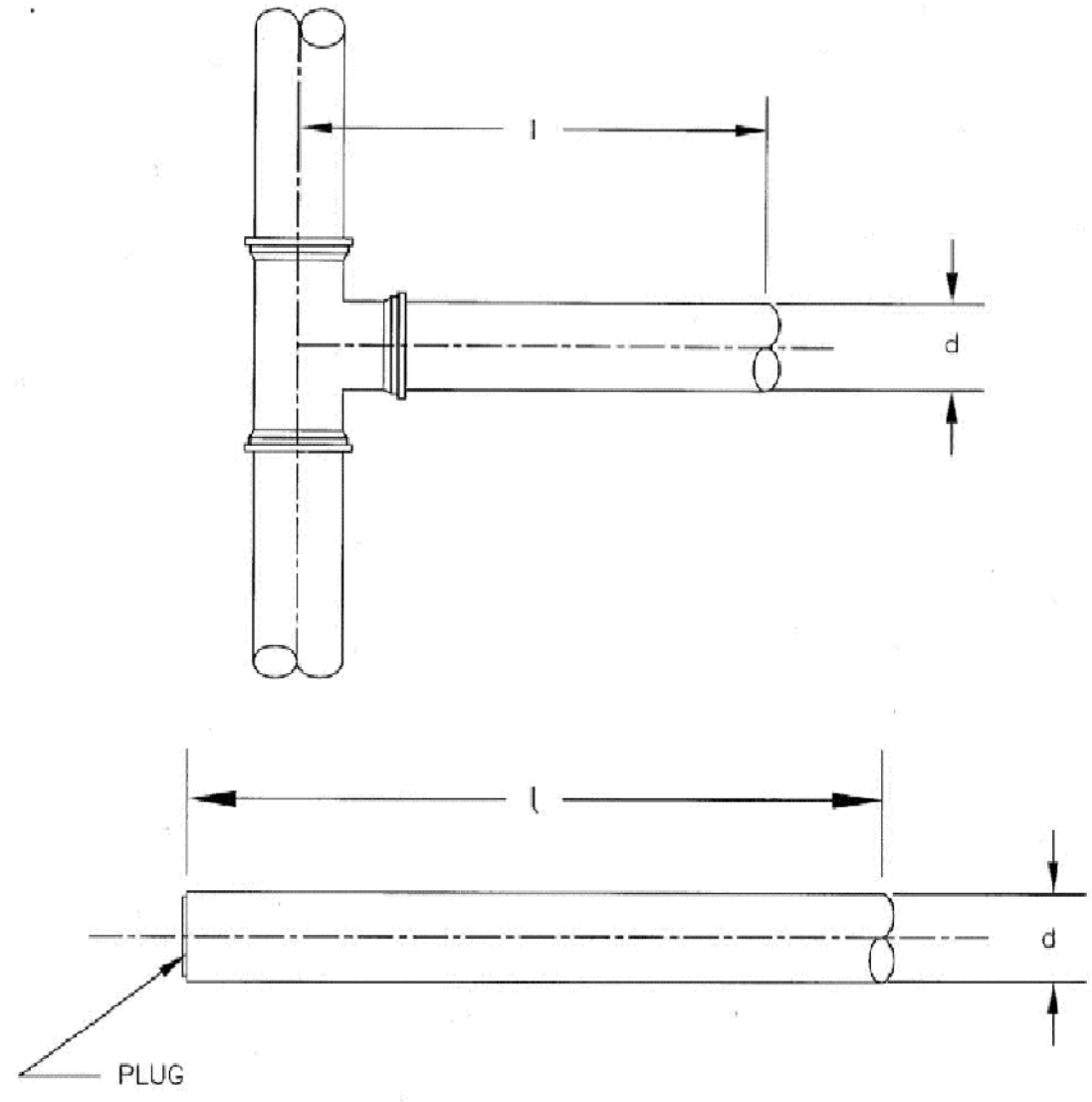
TABLE	
MINIMUM REQUIRED LENGTH OF RESTRAINED JOINTS UNLESS OTHERWISE NOTED	
d	MINIMUM REQUIRED LENGTH OF RESTRAINED JOINTS UNLESS OTHERWISE NOTED
d	MINIMUM REQUIRED LENGTH OF RESTRAINED JOINTS UNLESS OTHERWISE NOTED
4"	54'
6"	54'
8"	54'
10"	54'
12"	54'
16"	66'
20"	98'
24"	125'

REQUIRED RESTRAINED JOINTS FOR BENDS

APPROVED/REVISED	WARREN COUNTY STANDARD DETAILS DEPARTMENT OF WATER & SEWER	STANDARD NUMBER
MARCH, 2018		W-18

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Water Main Details.dgn 11/2/2020 9:59:08 AM carl

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Water Main\Water Main Details 2.dgn 11/2/2020 9:59:16 AM carl



MINIMUM 54' OF RESTRAINED JOINT PIPE (RJP) IS REQUIRED BEFORE AND AFTER ALL BENDS. REFER TO TABLE BELOW.

TABLE
MINIMUM REQUIRED LENGTH OF RESTRAINED JOINTS UNLESS OTHERWISE NOTED
d-DIAMETER OF PIPE
l-LENGTH OF PIPE

d	4"	6"	8"	10"	12"	16"	20"	24"
l	54'	54'	54'	54'	66'	98'	125'	145'

REQUIRED RESTRAINED JOINTS - DEAD END VALVES,
PLUGS, CAPS & TEES

APPROVED/REVISED
MARCH, 2018

WARREN COUNTY STANDARD DETAILS
DEPARTMENT OF WATER & SEWER

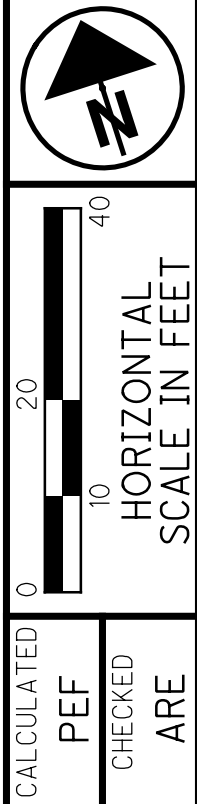
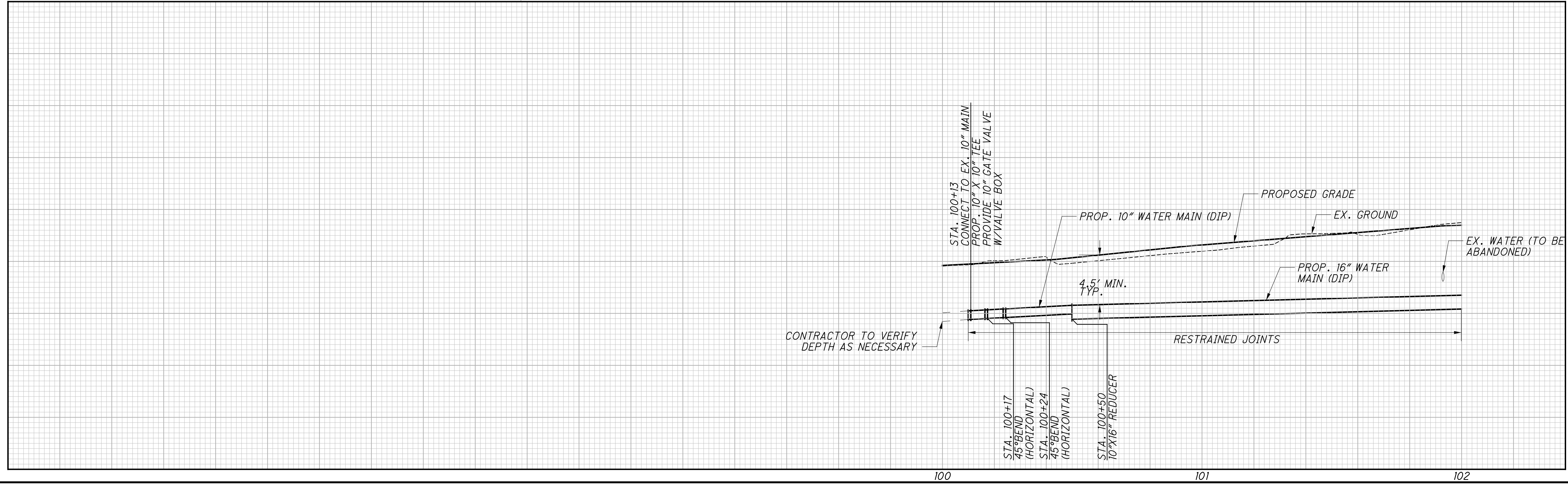
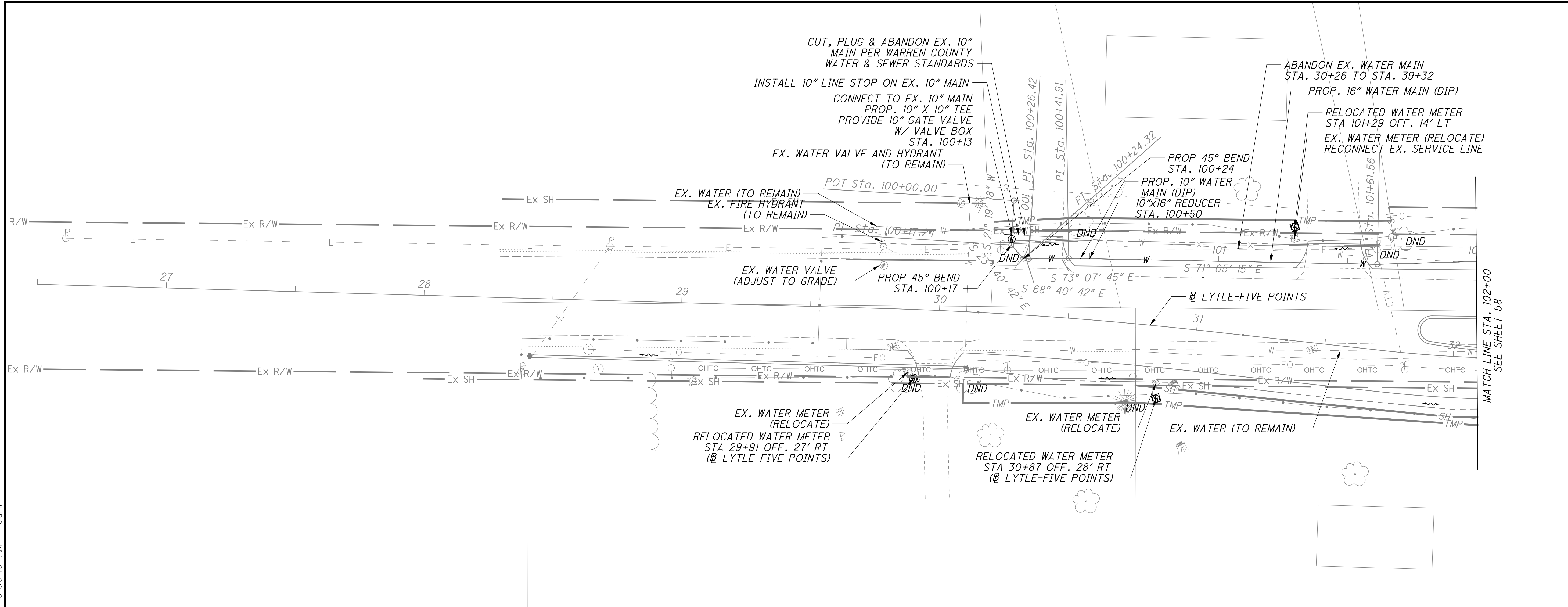
STANDARD NUMBER
W-19

CALCULATED
PEF
CHECKED
ARE

WATERMAIN DETAILS

**WAR-CR 46 / TR128 -
ROUNDAABOUT**

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Water Main\WM_P&P_1.dgn 11/2/2020 9:59:19 AM carl



PLAN AND PROFILE
 WATER MAIN PLAN

WAR-CR46 / TR128 -
 ROUNDABOUT

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Water Main\WM_P&P_2.dgn 11/2/2020 9:59:19 AM carlr

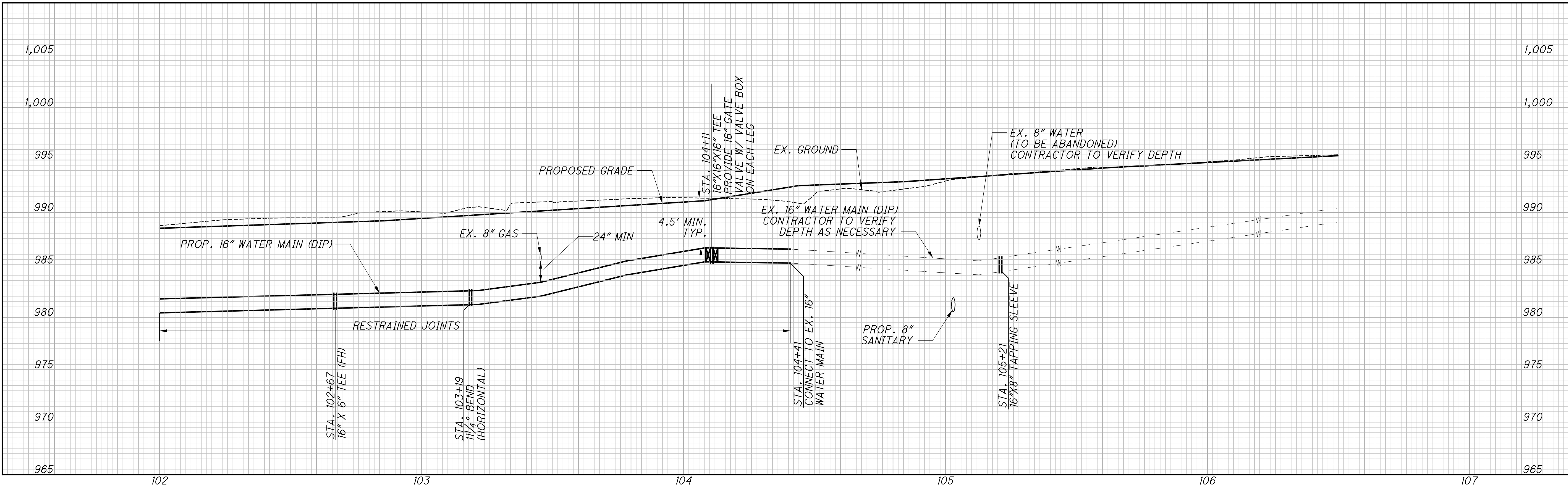
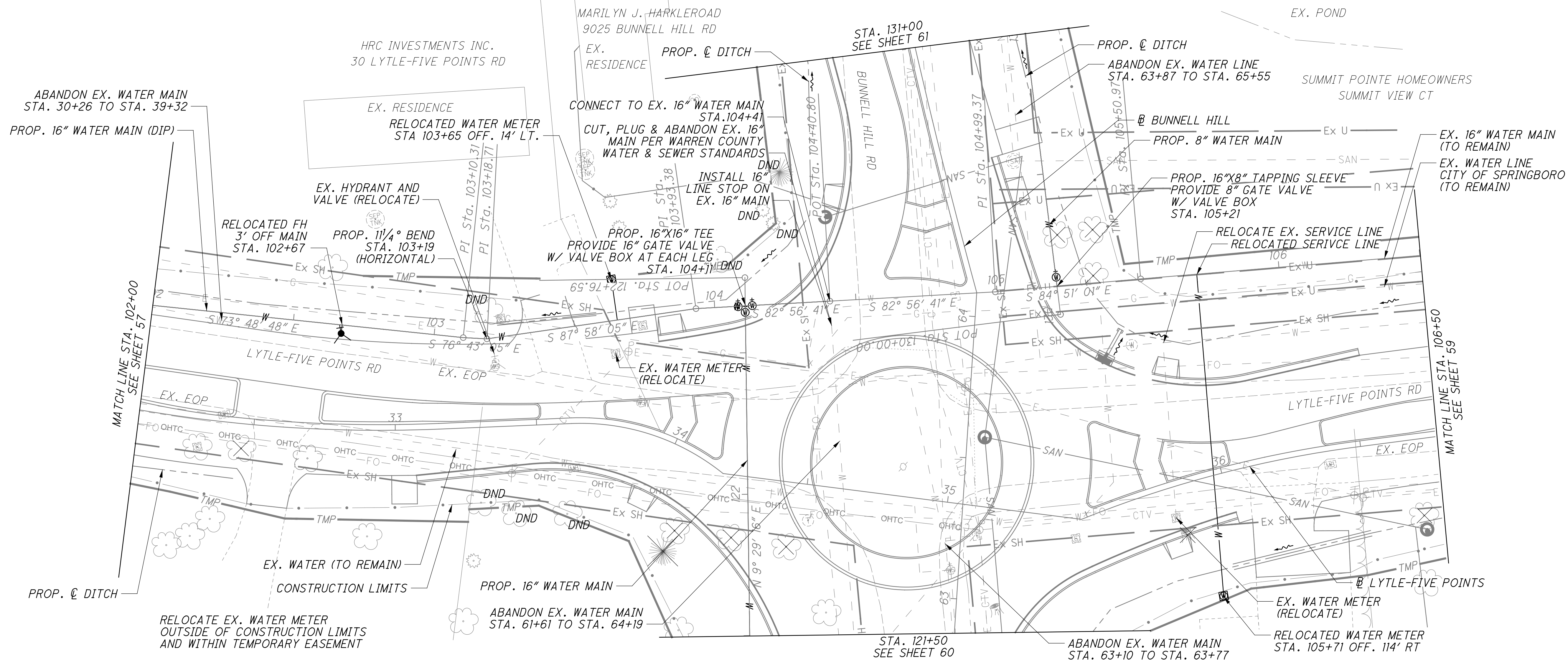


CALCULATED 0 PEF CHECKED ARE

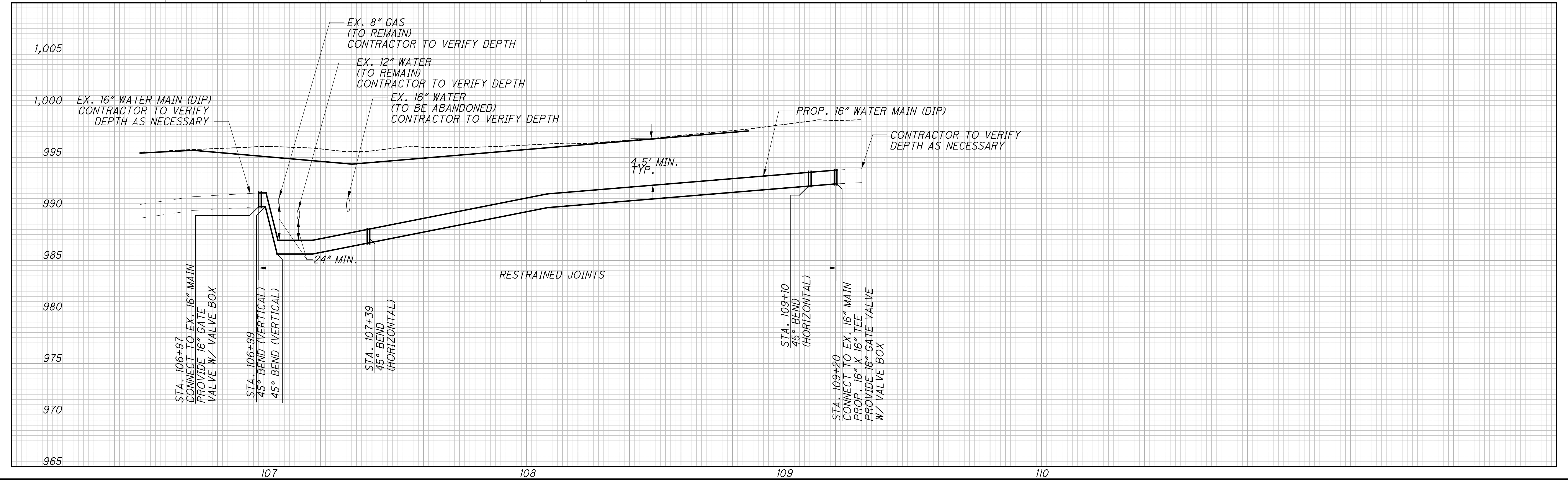
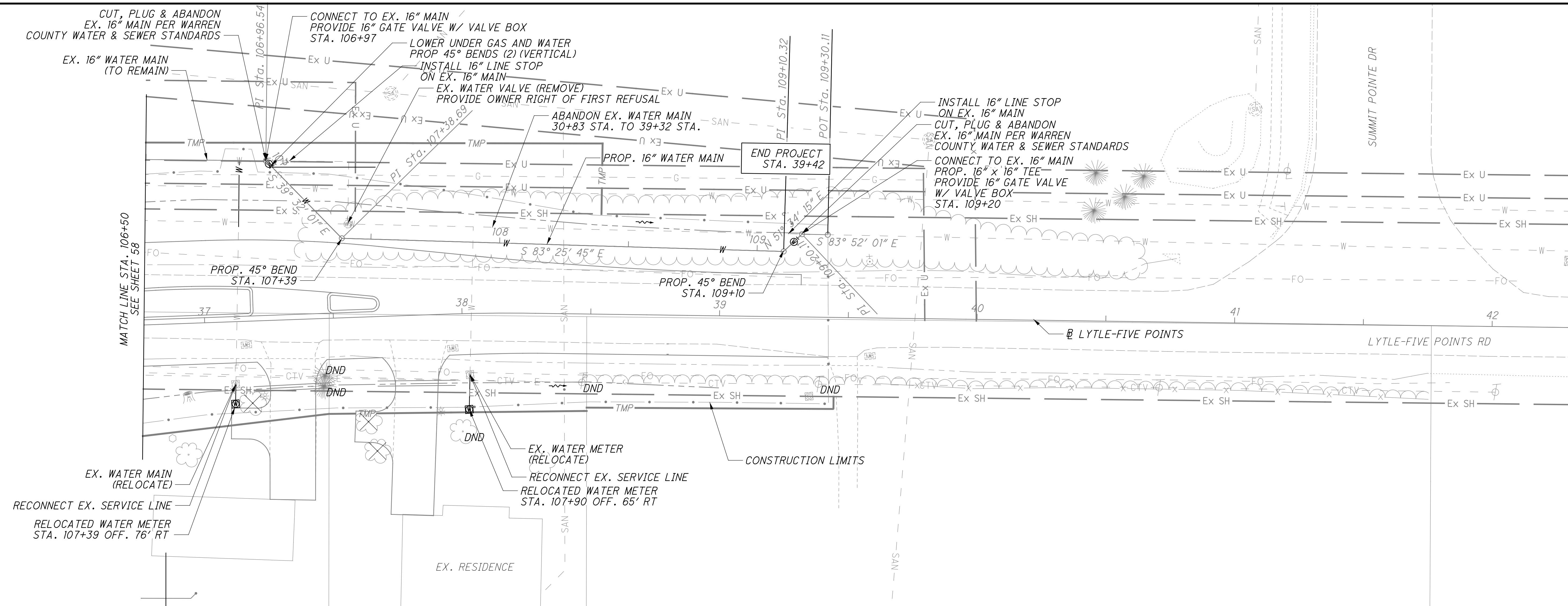
PLAN AND PROFILE
WATER MAIN PLAN

WAR-CR46 / TR128 -
ROUNDBOUT

58
70



S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Water Main\WM_P&P_3.dgn 11/2/2020 9:59:20 AM carlr



CALCULATED PEF CHECKED ARE

0 20 40 HORIZONTAL SCALE IN FEET

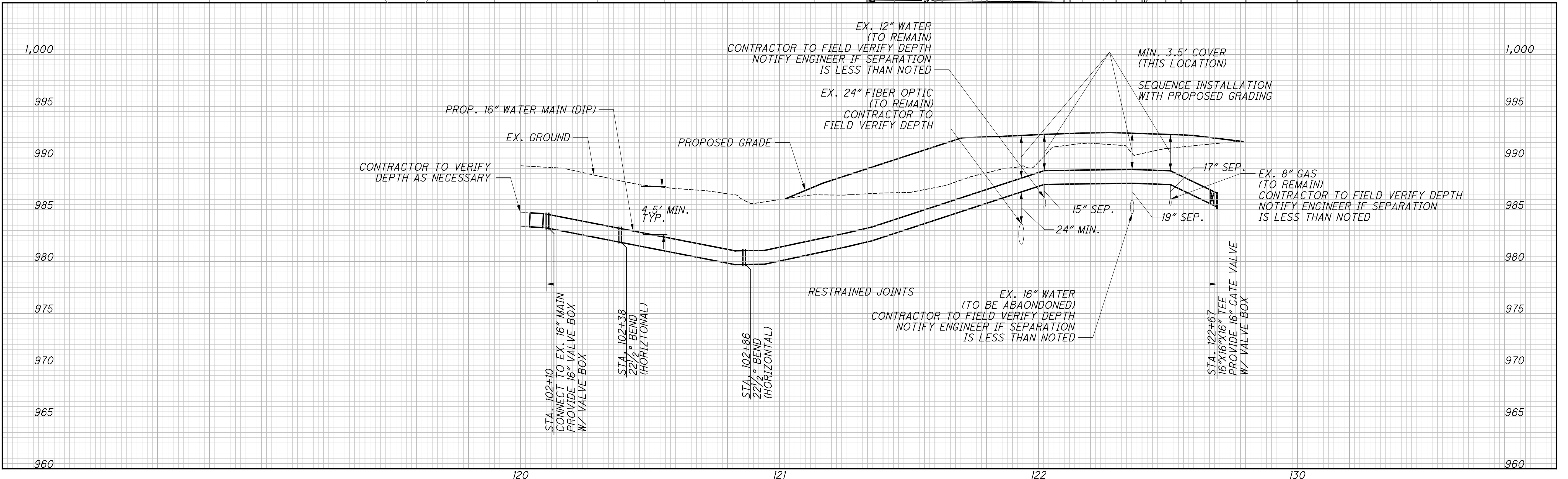
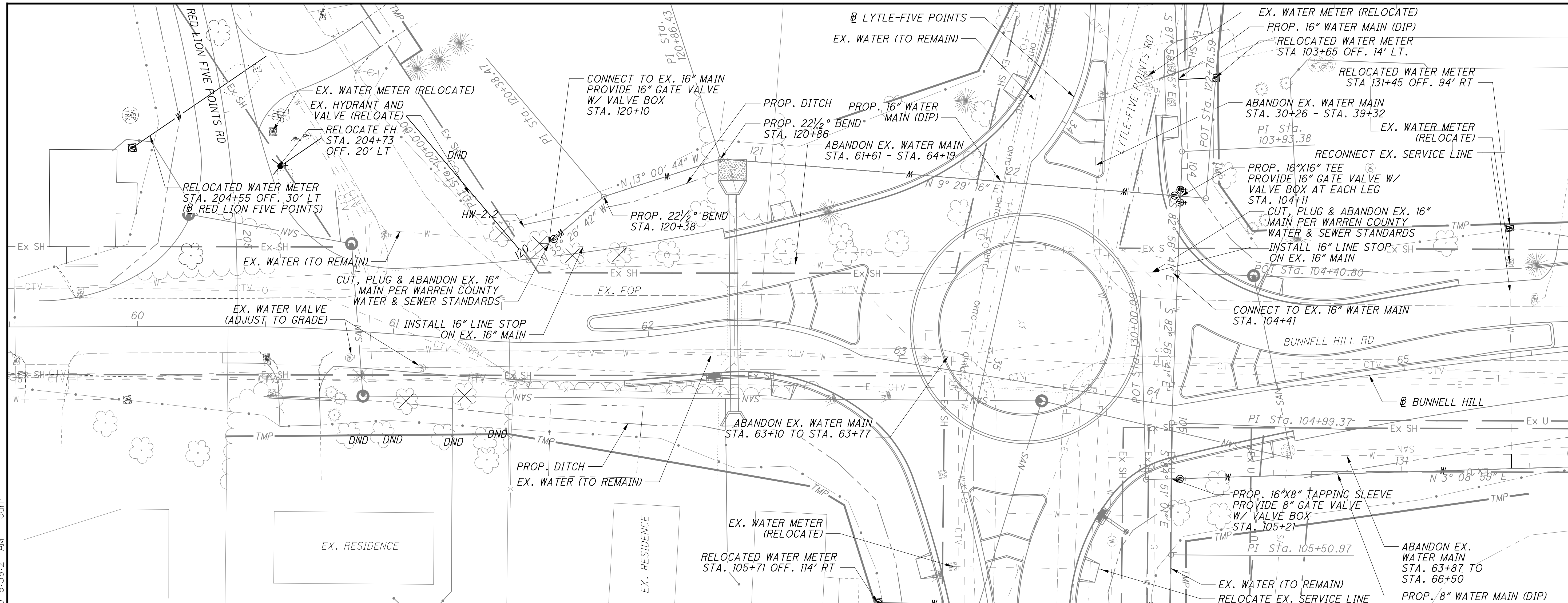
10

▲

PLAN AND PROFILE
WATER MAIN PLAN

WAR-CR46 / TR128 -
ROUNDBOUT

S:\GIN\3800--3899\3861\003\Drawings\CAD\Sheets\Water Main\WM_P&P_4.dgn 11/2/2020 9:59:21 AM carlr



PLAN AND PROFILE
WATER MAIN PLAN

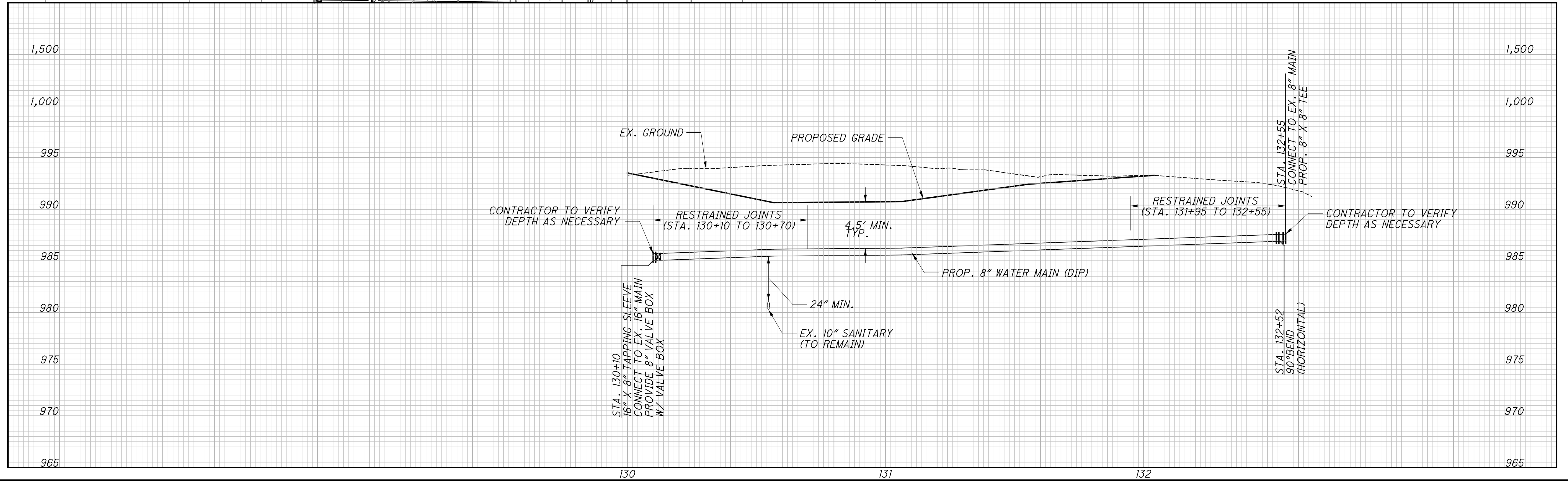
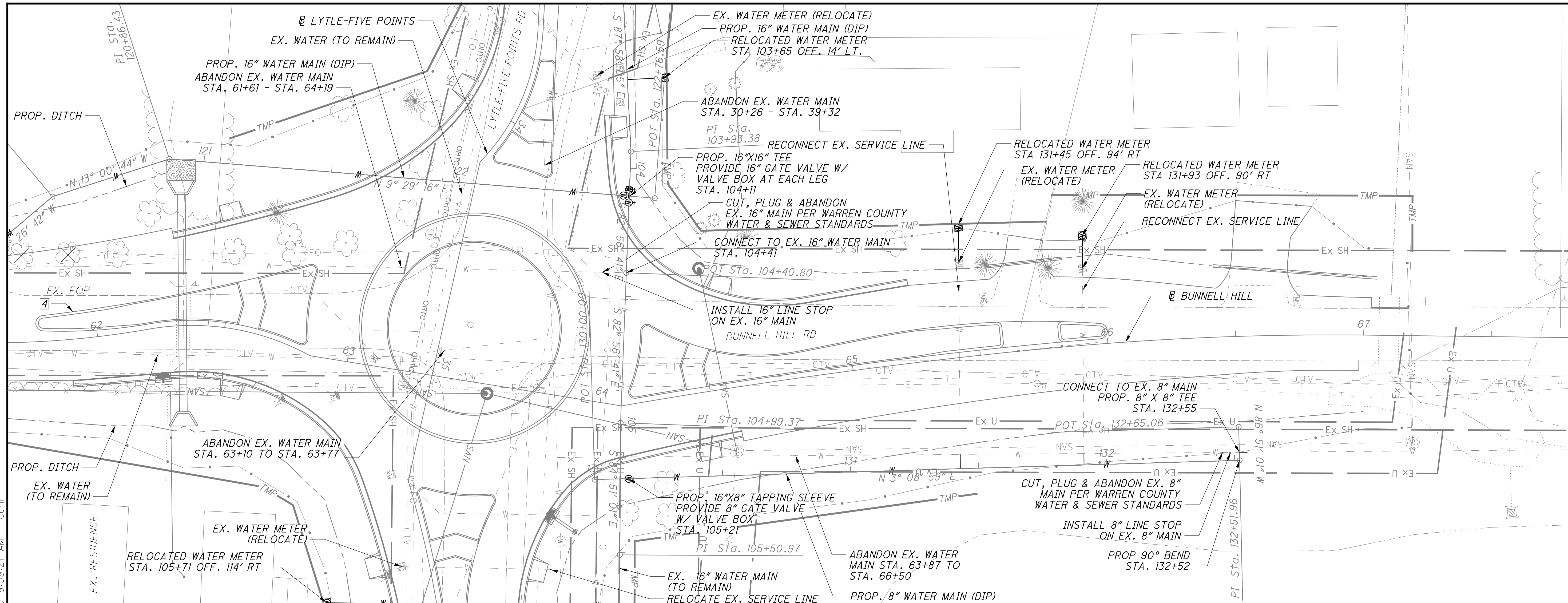
WAR-CR46 / TR128 -
ROUNDABOUT

60
70

CALCULATED PEF CHECKED ARE

N
10
20
40
HORIZONTAL SCALE IN FEET

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Water Main\WM_P&P_5.dgn 11/2/2020 9:59:21 AM carlr



PLAN AND PROFILE
WATER MAIN PLAN

WAR-CR46 / TR128 -
ROUNDABOUT

61
70

CALCULATED
PEF
CHECKED
ARE

0 20 40
HORIZONTAL
SCALE IN FEET

LEGEND

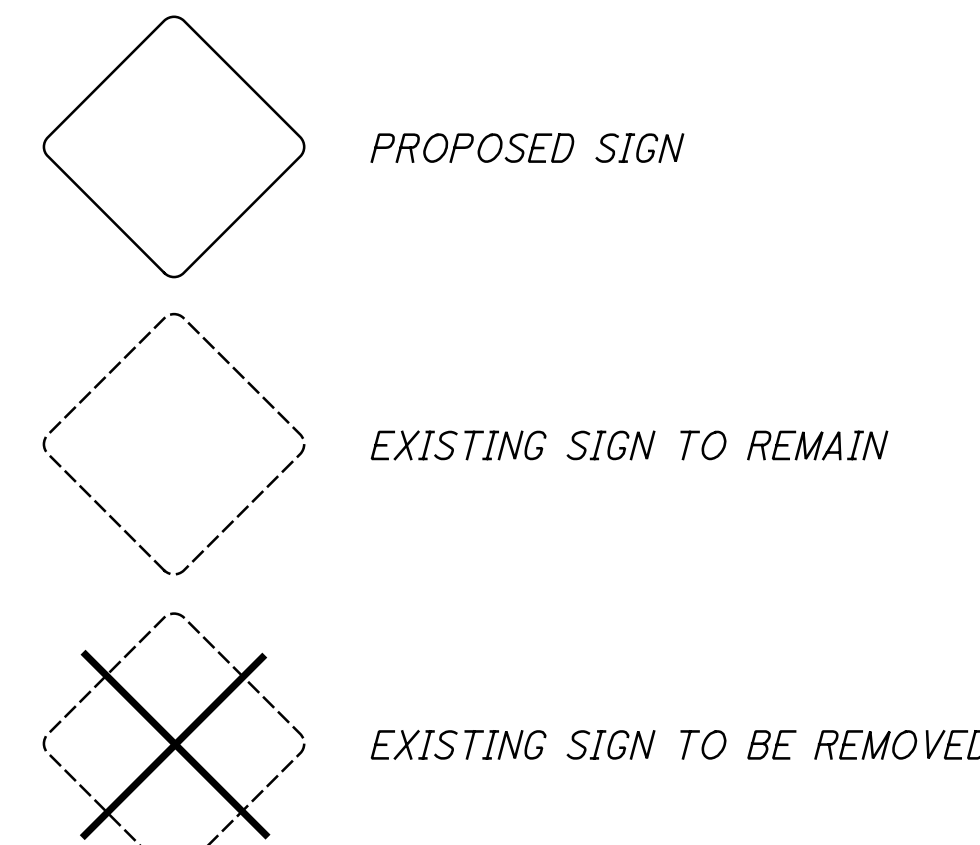
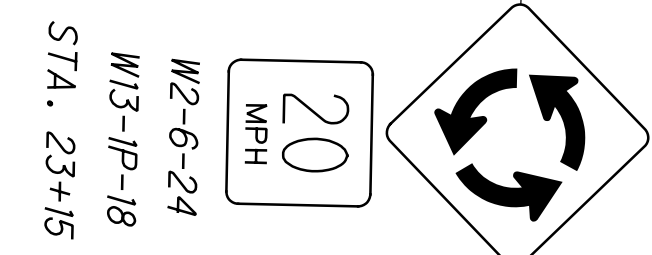
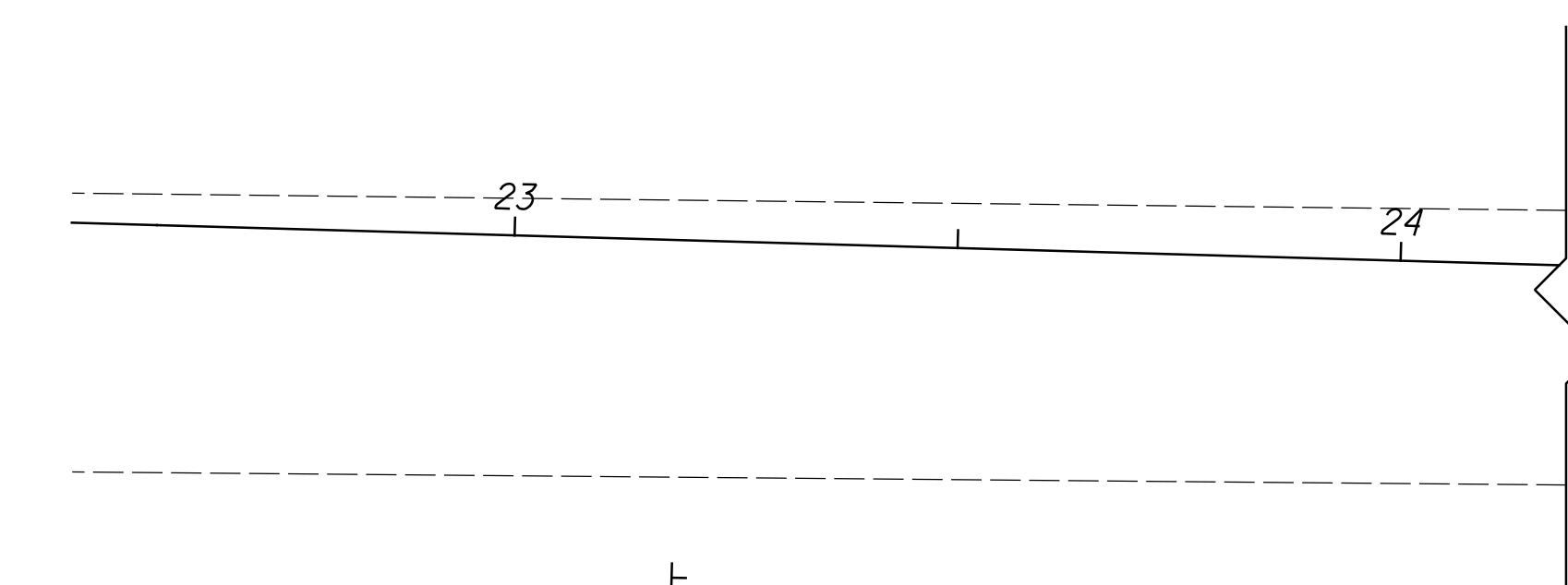
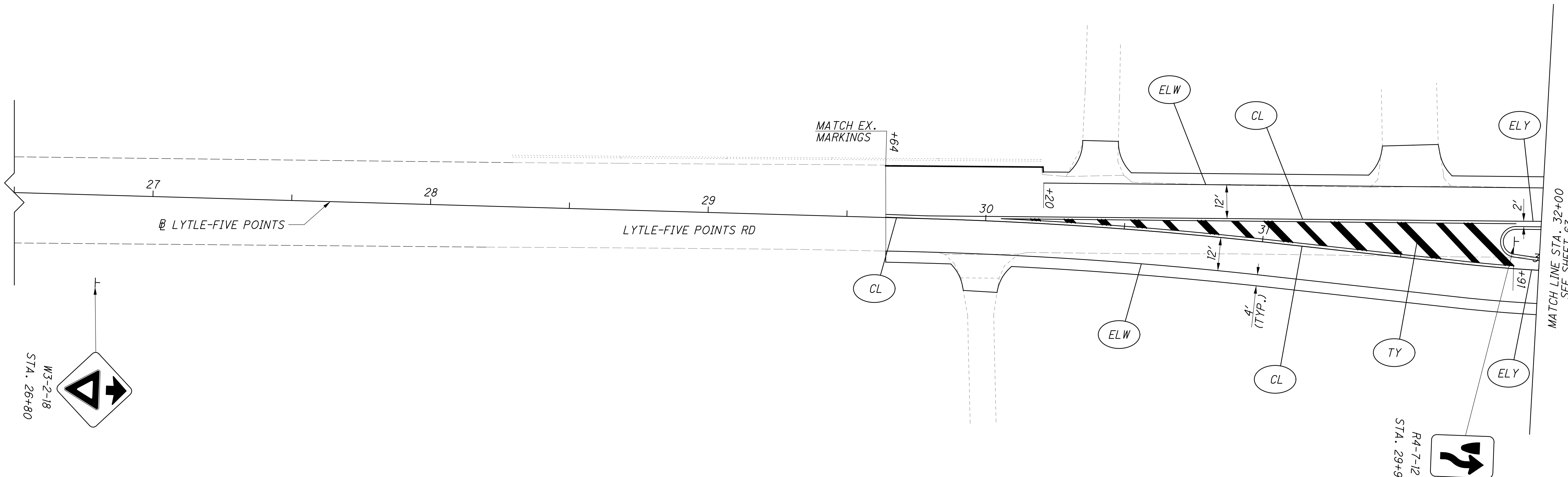
- ELW ITEM 644 - EDGE LINE, 4" (WHITE)
- ELY ITEM 644 - EDGE LINE, 4" (YELLOW)
- CL ITEM 644 - CENTER LINE, DOUBLE SOLID
- TY ITEM 644 - TRANSVERSE/DIAGONAL LINE, 24" (YELLOW)
- DL ITEM 644 - DOTTED LINE, 12" (2' SEGMENT, 2' GAP)
- YL ITEM 644 - YIELD LINE
- SL ITEM 644 - STOP LINE, 24"
- IM ITEM 644 - ISLAND MARKING

NOTE: STATION CALLOUTS REFERENCE BASELINE ALIGNMENTS

CALCULATED
CJR
CHECKED
JCH

HORIZONTAL
SCALE IN FEET

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Signing and PM_1.dgn 11/2/2020 11:54:35 AM carlr

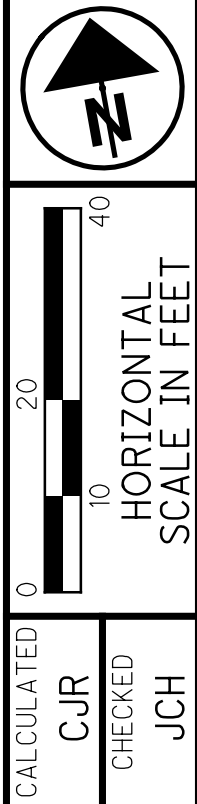
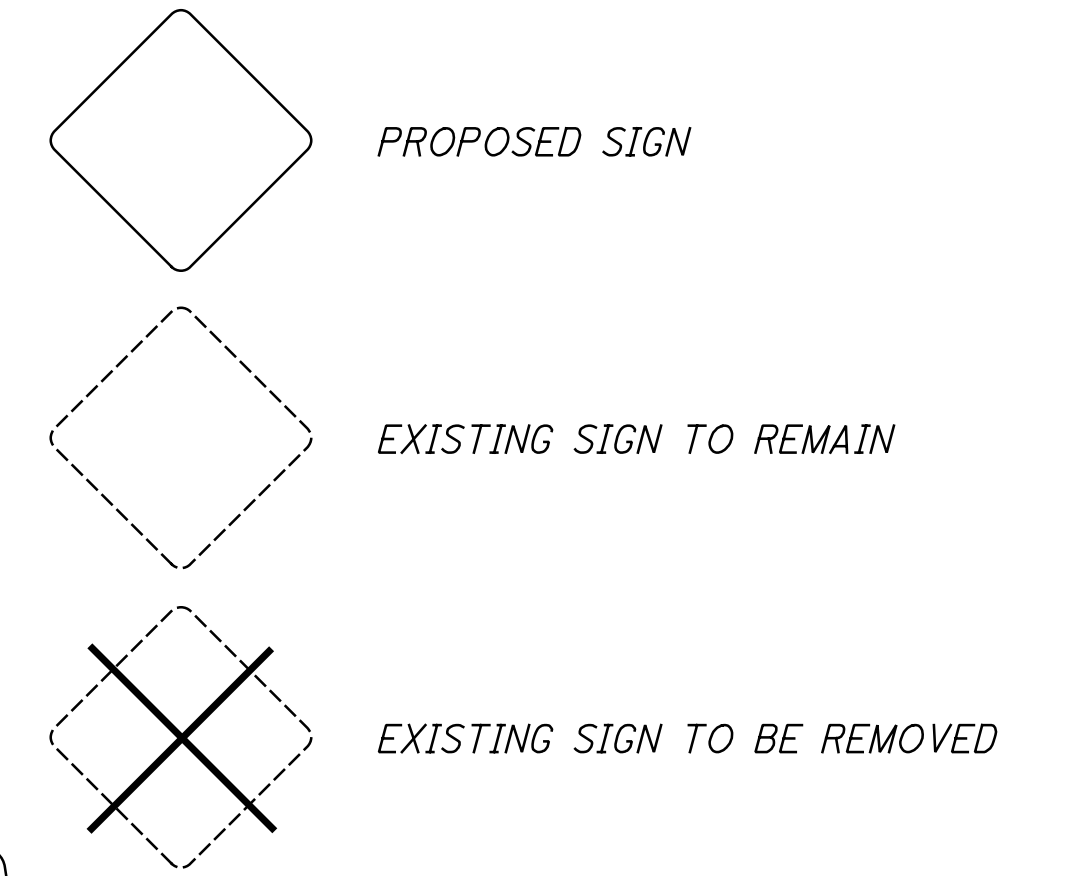
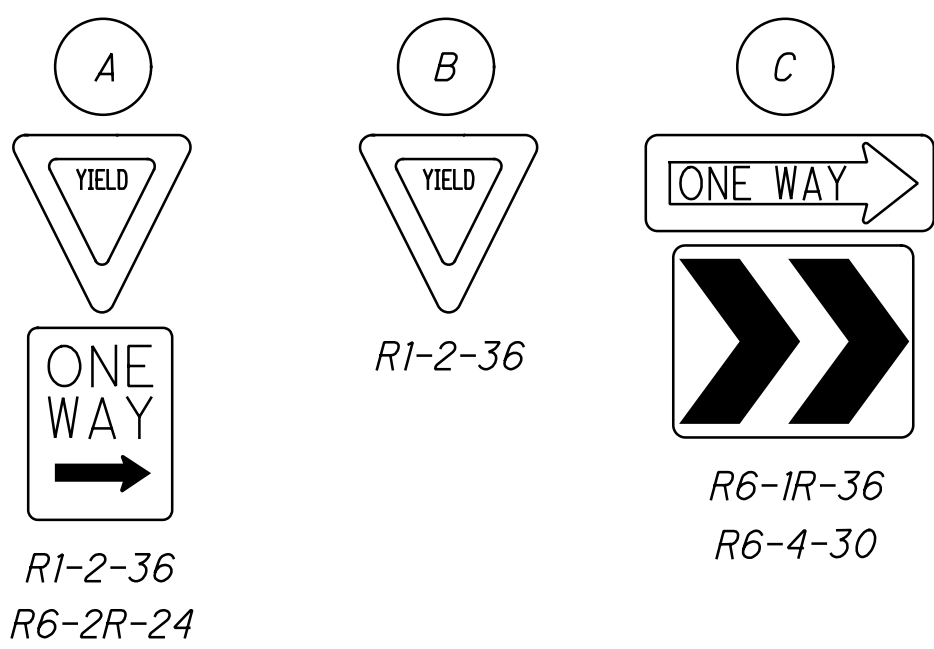
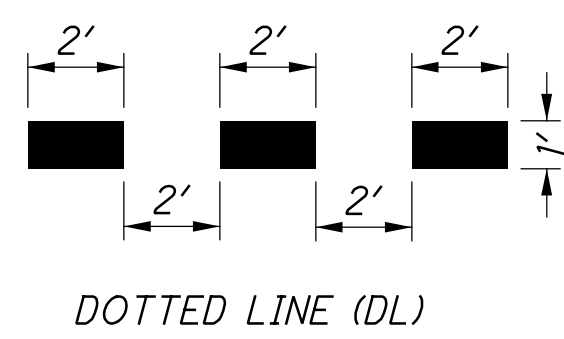
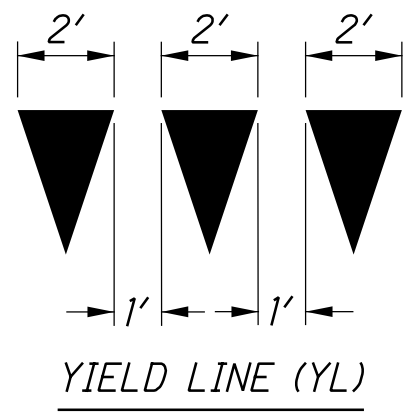


SIGNING AND PAVEMENT MARKINGS PLAN
STA. 22+50 TO STA. 32+00

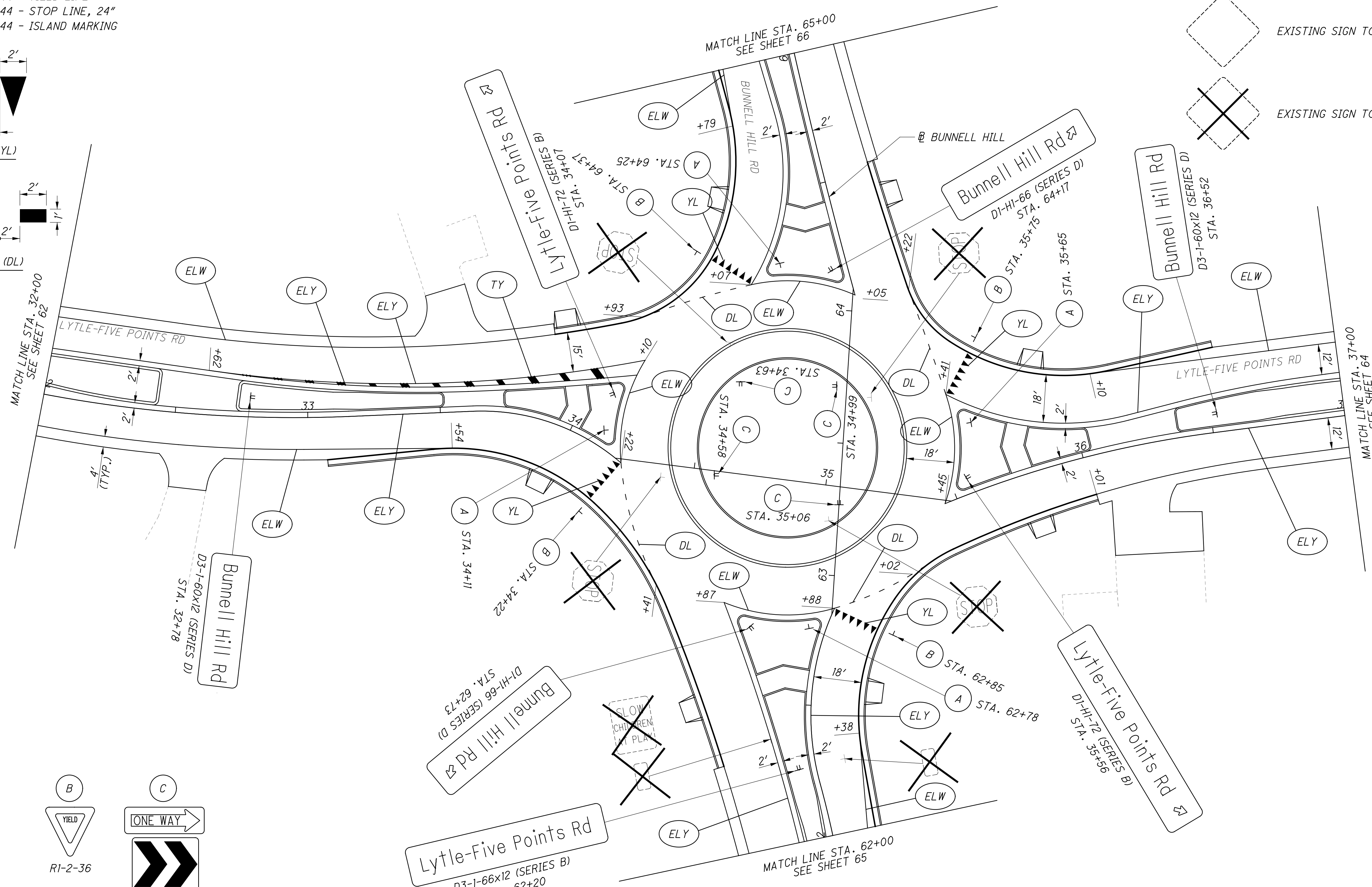
WAR-CR46 / TR128 -
ROUNDBABOUT

LEGEND

- ELW ITEM 644 - EDGE LINE, 4" (WHITE)
- ELY ITEM 644 - EDGE LINE, 4" (YELLOW)
- CL ITEM 644 - CENTER LINE, DOUBLE SOLID
- TY ITEM 644 - TRANSVERSE/DIAGONAL LINE, 24" (YELLOW)
- DL ITEM 644 - DOTTED LINE, 12" (2' SEGMENT, 2' GAP)
- YL ITEM 644 - YIELD LINE
- SL ITEM 644 - STOP LINE, 24"
- IM ITEM 644 - ISLAND MARKING



S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Signing and PM_2.dgn 11/2/2020 11:54:35 AM corlr



SIGNING AND PAVEMENT MARKINGS PLAN
STA. 32+00 TO STA. 37+00

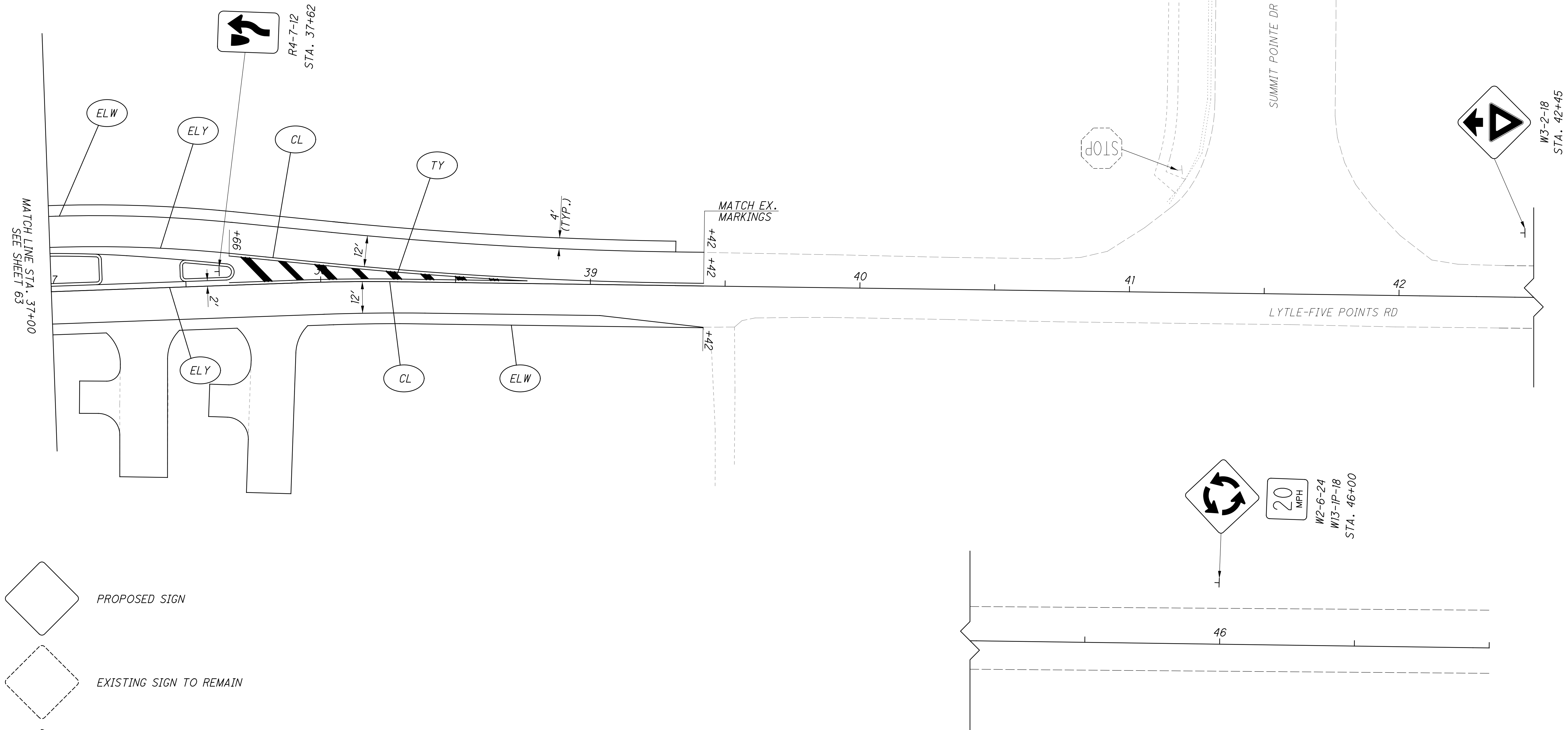
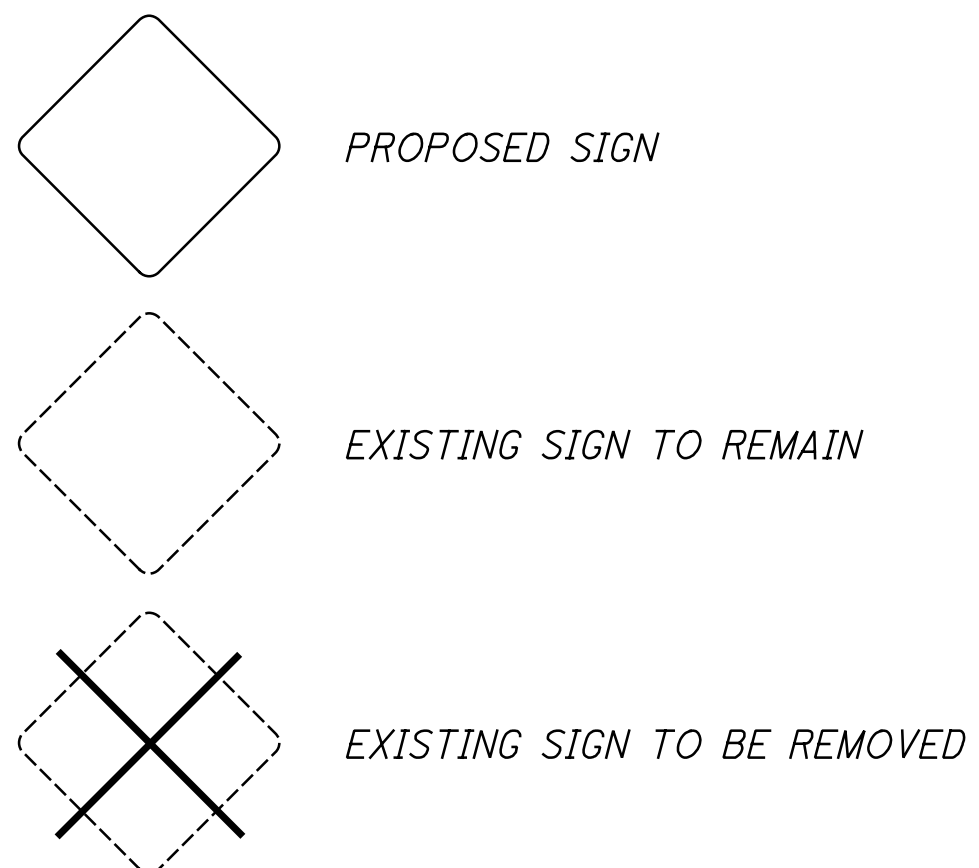
WAR-CR46 / TR128 -
ROUNDABOUT

NOTE: STATION CALLOUTS REFERENCE BASELINE ALIGNMENTS

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Signing and PM_3.dgn 11/2/2020 11:54:36 AM carlr

LEGEND

- ELW ITEM 644 - EDGE LINE, 4" (WHITE)
- ELY ITEM 644 - EDGE LINE, 4" (YELLOW)
- CL ITEM 644 - CENTER LINE, DOUBLE SOLID
- TY ITEM 644 - TRANSVERSE/DIAGONAL LINE, 24" (YELLOW)
- DL ITEM 644 - DOTTED LINE, 12" (2' SEGMENT, 2' GAP)
- YL ITEM 644 - YIELD LINE
- SL ITEM 644 - STOP LINE, 24"
- IM ITEM 644 - ISLAND MARKING



NOTE: STATION CALLOUTS REFERENCE BASELINE ALIGNMENTS

CALCULATED CJR
CHECKED JCH

HORIZONTAL SCALE IN FEET

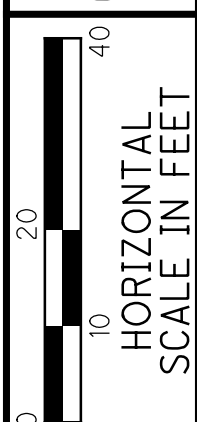
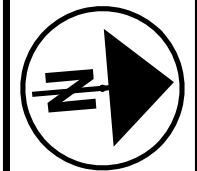
SIGNING AND PAVEMENT MARKINGS PLAN
STA. 37+00 TO STA. 47+00

WAR-CR46 / TR128 - ROUNDABOUT

LEGEND

- ELW ITEM 644 - EDGE LINE, 4" (WHITE)
- ELY ITEM 644 - EDGE LINE, 4" (YELLOW)
- CL ITEM 644 - CENTER LINE, DOUBLE SOLID
- TY ITEM 644 - TRANSVERSE/DIAGONAL LINE (YELLOW)
- DL ITEM 644 - DOTTED LINE, 12" (2' SEGMENT, 2' GAP)
- YL ITEM 644 - YIELD LINE
- SL ITEM 644 - STOP LINE, 24"
- IM ITEM 644 - ISLAND MARKING

NOTE: STATION CALLOUTS REFERENCE BASELINE ALIGNMENTS

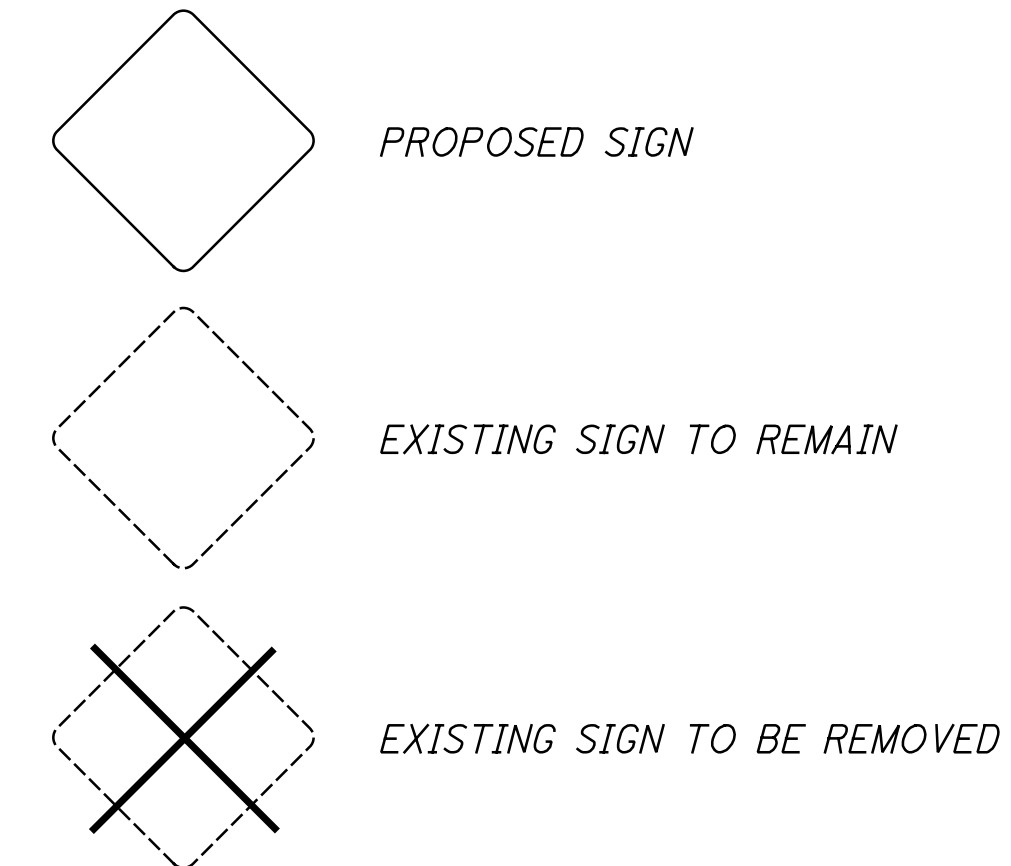
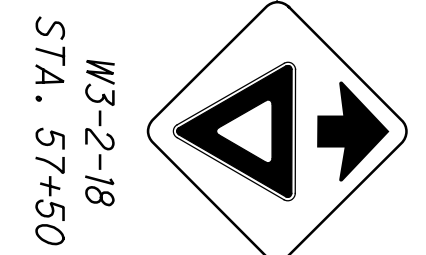
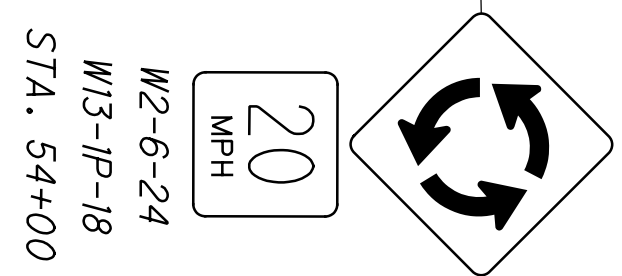
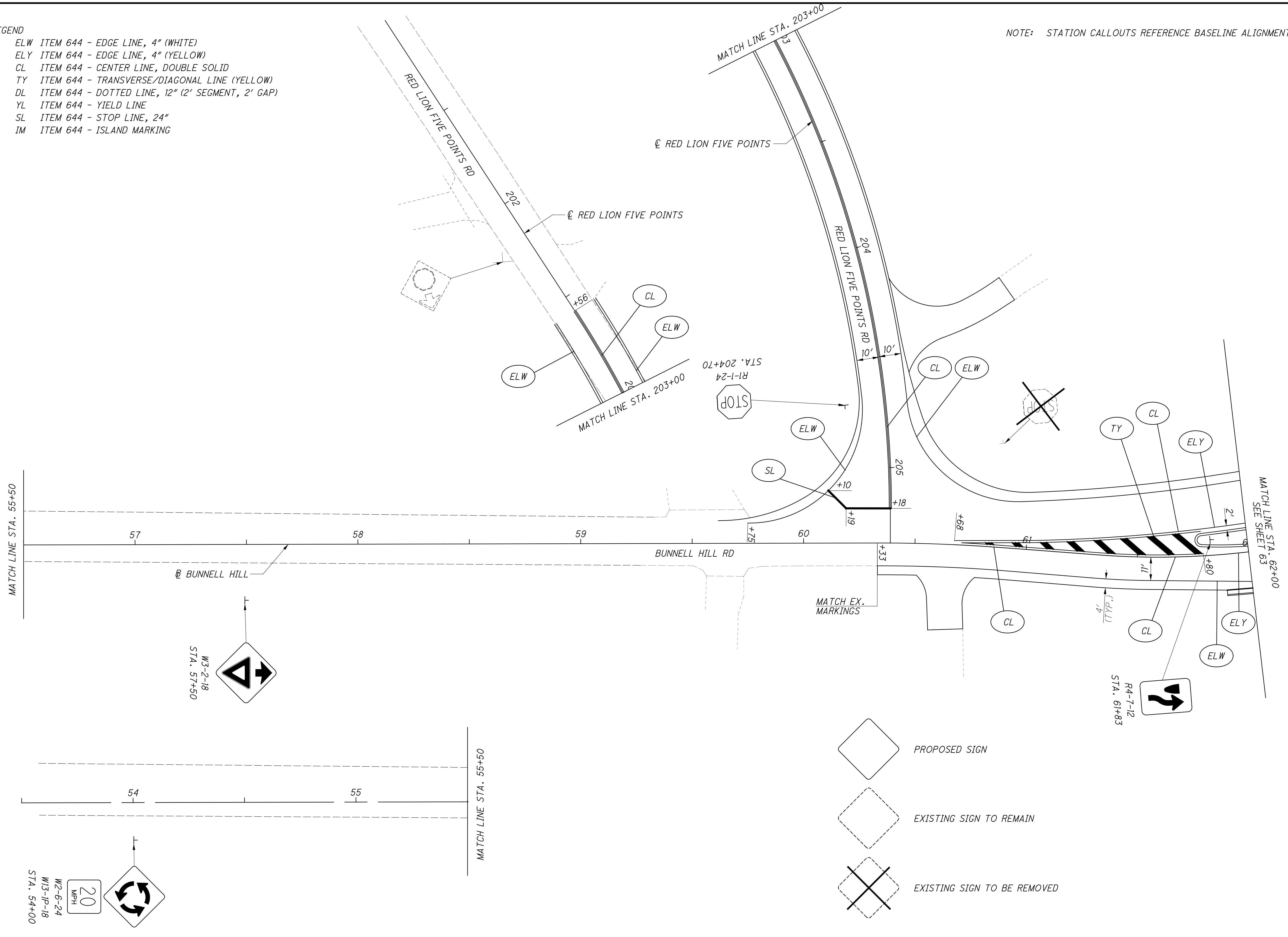


CALCULATED
CJR
CHECKED
JCH

SIGNING AND PAVEMENT MARKINGS PLAN
STA. 53+50 TO STA. 62+00

WAR-CR46 / TR128 -
ROUNDBABOUT

65
70

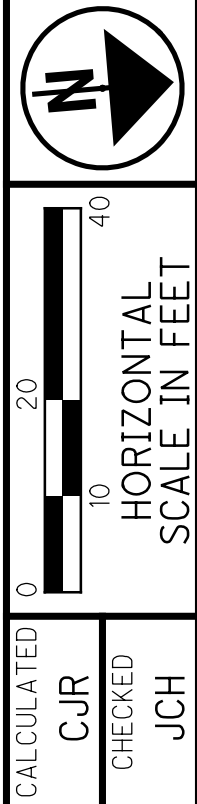
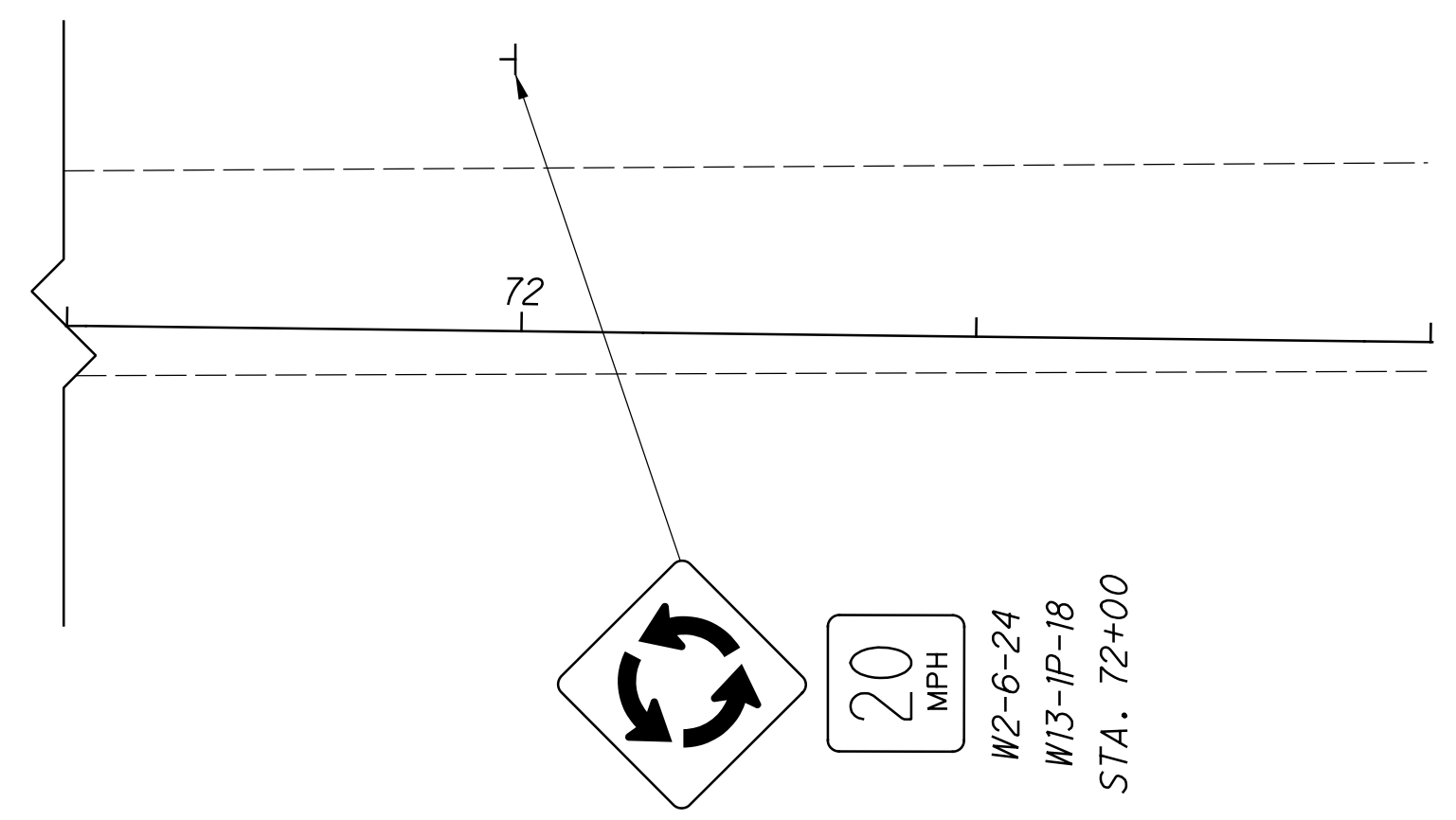
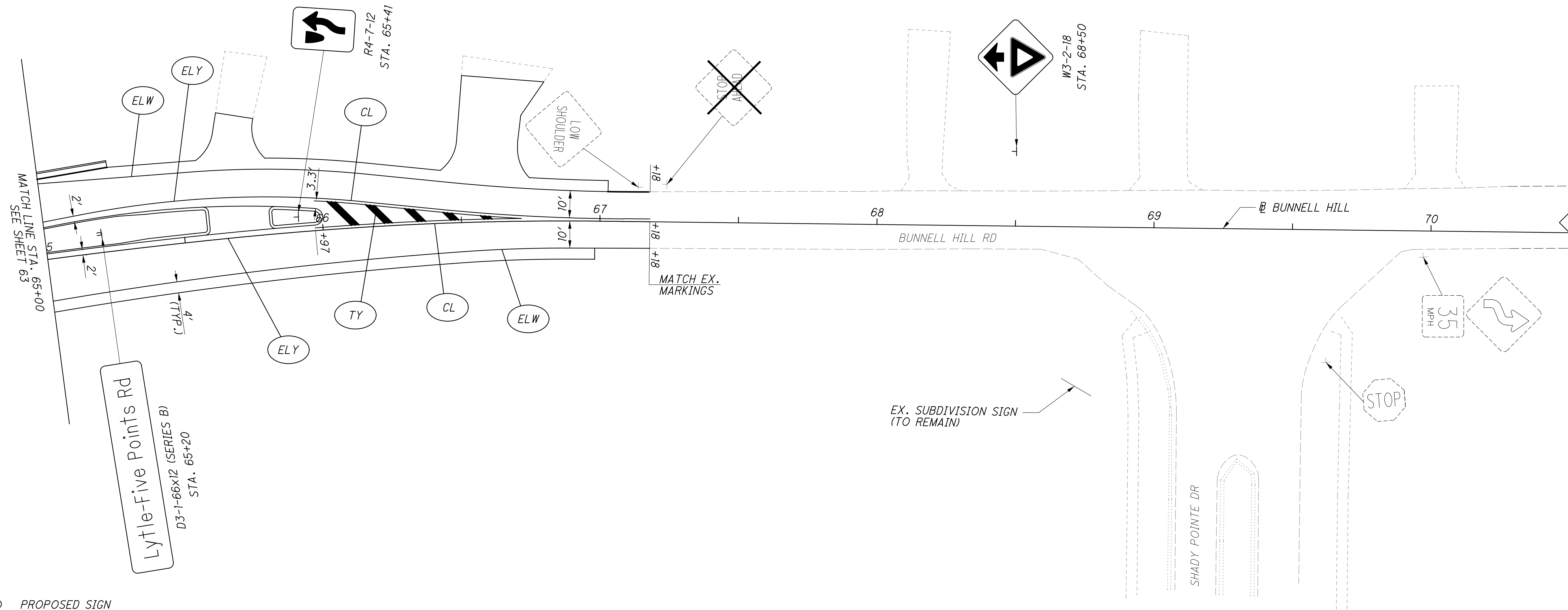
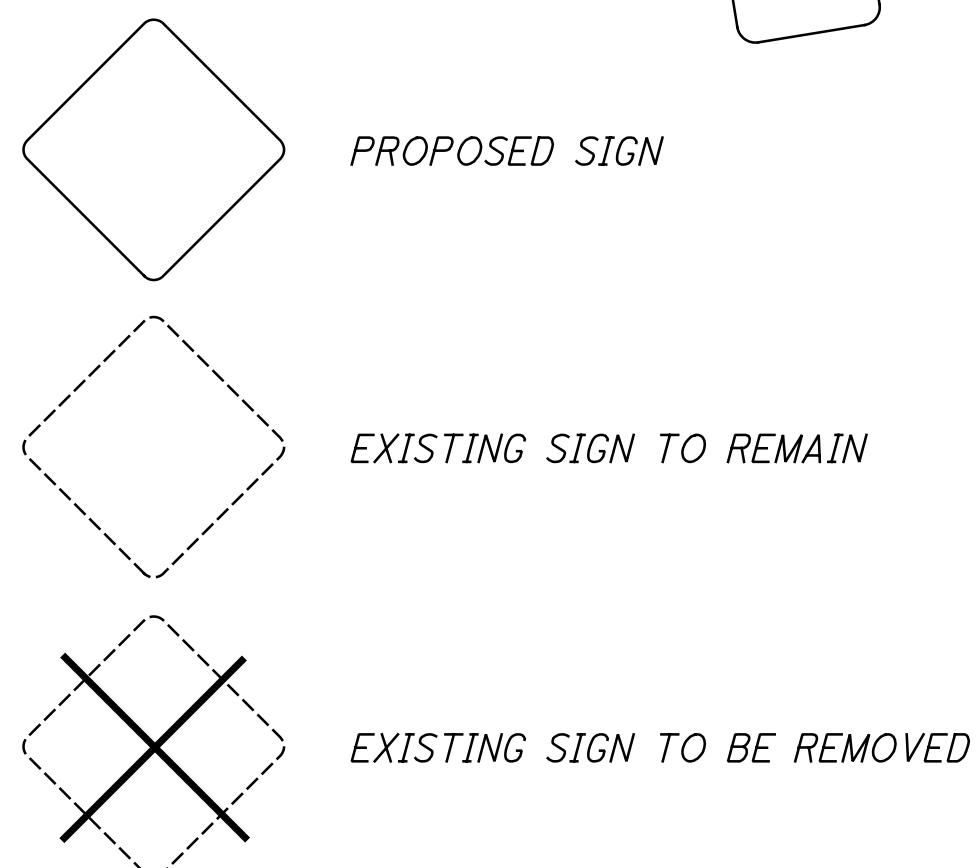


S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Signing and PM_4.dgn 11/2/2020 11:54:36 AM corlr

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Signing and PM_5.dgn 11/2/2020 11:54:37 AM carlr

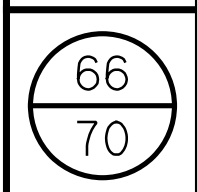
LEGEND

- ELW ITEM 644 - EDGE LINE, 4" (WHITE)
- ELY ITEM 644 - EDGE LINE, 4" (YELLOW)
- CL ITEM 644 - CENTER LINE, DOUBLE SOLID
- TY ITEM 644 - TRANSVERSE/DIAGONAL LINE (YELLOW)
- DL ITEM 644 - DOTTED LINE, 12" (2' SEGMENT, 2' GAP)
- YL ITEM 644 - YIELD LINE
- SL ITEM 644 - STOP LINE, 24"
- IM ITEM 644 - ISLAND MARKING



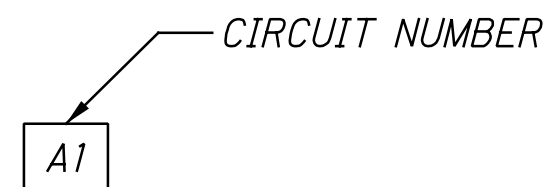
SIGNING AND PAVEMENT MARKINGS PLAN
STA. 65+00 TO STA. 73+00

WAR-CR46 / TR128 - ROUNDABOUT



NOTE: STATION CALLOUTS REFERENCE BASELINE ALIGNMENTS

POLE CALLOUT LEGEND



STATION, REFERENCE LINE, OFFSET
LUMINAIRE TYPE, LUMINAIRE WATTAGE, SUPPORT HEIGHT, BRACKET ARM LENGTH, (# OF BRACKET ARMS)

CODED NOTES

- 1 4-#4 AWG, 1-#4 AWG GRD 2,400V CABLES IN 3" C., 725.04
- 2 4-#4 AWG, 2-#4 AWG GRD 2,400V CABLES IN 3" C., 725.04
- 3 2-#4 AWG, 1-#4 AWG GRD 2,400V CABLES IN 3" C., 725.04
- 4 6-#4 AWG, 2-#4 AWG GRD 2,400V CABLES IN 3" C., 725.04

NOTES

- 1). EXISTING OVERHEAD ELECTRIC AND TELEPHONE LINES SHOWN WILL BE RELOCATED BY THE UTILITY AND DO NOT CURRENTLY DEMONSTRATE FINAL RELOCATION LIMITS.
- 2). ALL CONVENTIONAL LIGHT POLE UNITS TO BE INSTALLED ON TRANSFORMER BASE, PER HL-10.13.

PB1 STA. 33+76.40, @ LYTLE-FIVE POINTS, 34.27' LT.
PROP. PULL BOX NO. 1

STA. 33+97.55, @ LYTLE-FIVE POINTS, 49.43' LT.
TYPE III, 143W, 30', 8' (1)

STA. 34+02.54, @ LYTLE-FIVE POINTS, 120.29' LT.
TYPE III, 143W, 30', 8' (1)

STA. 35+19.67, @ LYTLE-FIVE POINTS, 95.84' LT.
TYPE III, 143W, 30', 8' (1)

STA. 36+55.97, @ LYTLE-FIVE POINTS, 45.61' LT.
POWER SERVICE, AS PER PLAN LCI

STA. 36+30.79, @ LYTLE-FIVE POINTS, 36.77' LT.
TYPE III, 143W, 30', 8' (1)

STA. 36+05.87, @ LYTLE-FIVE POINTS, 35.66' LT.
PROP. PULL BOX NO. 6 PB6

STA. 36+00.69, @ LYTLE-FIVE POINTS, 19.30' RT.
PROP. PULL BOX NO. 5 PB5

STA. 35+57.67, @ LYTLE-FIVE POINTS, 22.88' RT.
TYPE III, 143W, 30', 8' (1)

STA. 35+39.70, @ LYTLE-FIVE POINTS, 57.97' RT.
PROP. PULL BOX NO. 4 PB4

STA. 35+29.65, @ LYTLE-FIVE POINTS, 89.42' RT.
TYPE III, 143W, 30', 8' (1)

STA. 34+50.40, @ LYTLE-FIVE POINTS, 74.25' RT.
TYPE III, 143W, 30', 8' (1)

PB3 STA. 34+52.65, @ LYTLE-FIVE POINTS, 78.72' RT.
PROP. PULL BOX NO. 3

PB2 STA. 33+71.56, @ LYTLE-FIVE POINTS, 30.43' RT.
PROP. PULL BOX NO. 2

STA. 33+64.10, @ LYTLE-FIVE POINTS, 19.46' RT.
TYPE III, 143W, 30', 8' (1)

CONTRACTOR TO VERIFY UNDERGROUND FIBER OPTIC LOCATION BEFORE EXCAVATING FOR LIGHT POLE FOUNDATION

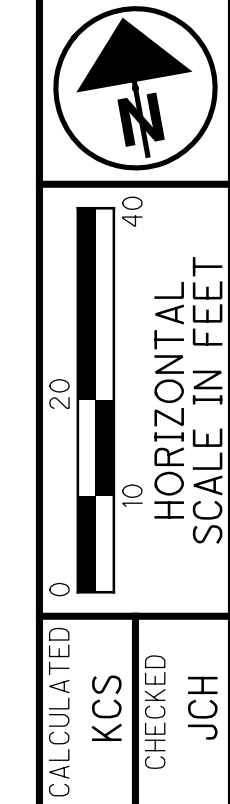
@ LYTLE-FIVE POINTS

LEGEND

- PROPOSED 120/240 - VOLT, SINGLE PHASE, 3-WIRE GROUND-MOUNTED CONTROL CENTER
- PROPOSED LIGHT POLE, 30' W/LED LUMINAIRE, SINGLE TRUSS ARM LOW RISE
- PROPOSED RIGID GALVANIZED STEEL CONDUIT, UNLESS OTHERWISE NOTED
- PROPOSED PULL BOX, 24"

CONTROL CENTER DATA - LYTLE FIVE POINTS ROUNDABOUT LIGHTING

CONTROL CENTER DESIGNATION	LINE VOLTS	CONNECTED LOAD (KVA)	SERVICE ENTRANCE CONDUCTOR SIZE (AWG)	CIRCUIT NUMBER	CIRCUIT LOAD AMPS	CIRCUIT BREAKER SIZE - AMPS	CIRCUIT CABLE SIZE AWG	MAINTAINING AGENCY
POWER SERVICE (LCI)	120/240	1.21	NO. 4	A	5.04A	20	NO. 4	WARREN COUNTY
				B	5.04A	20	NO. 4	



LIGHTING AND CIRCUIT PLAN
LYTLE FIVE POINTS ROAD

WAR-CR46 / TR128 -
ROUNDABOUT

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Lighting.dgn 11/2/2020 11:53:20 AM corir

625, LUMINAIRE, CONVENTIONAL, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF ODOT'S CONSTRUCTION AND MATERIAL SPECIFICATIONS, LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS SHALL BE AS FOLLOWS:

LUMINAIRES FOR CONVENTIONAL LIGHTING UNITS SHALL BE COOPER/EATON VERDEON #VERD-A02-E-U-T3-7030-10K-IP66-4B-AP W/15,000 LUMENS, GE EVOLVE ERLH #ERLH-0-10-C3-30-X-GRAY-LR W/9,600 LUMENS, OR AEL AUTOBAHN ATBM #ATBM-C-MVOLT-R3-4B-3K-BK W/9,000 LUMENS, OR APPROVED EQUAL.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "LUMINAIRE, CONVENTIONAL, AS PER PLAN" FOR EACH LUMINAIRE WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

625, POWER SERVICE, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF THE SPECIFICATIONS, THE FOLLOWING IS ADDED.

THE POWER SUPPLYING AGENCY FOR THIS PROJECT IS:
POWER COMPANY DUKE ENERGY
ADDRESS 139 EAST FOURTH STREET, ROOM 467 EX
 CINCINNATI, OH 45202

PHONE # (513) 458-3844
CONTACT NAME TROY DITTMER

THE ENGINEER SHALL ENSURE THAT EACH POWER SERVICE ELECTRICAL ENERGY ACCOUNT IS IN THE NAME OF AND THAT THE BILLING ADDRESS IS TO THE MAINTAINING AGENCY NOTED IN THE PLANS.

PAYMENT WILL BE MADE AT THE UNIT BID PRICE FOR EACH C&MS ITEM 625, "POWER SERVICE, AS PER PLAN" WHICH SHALL BE FULL COMPENSATION FOR ALL LABOR, MATERIALS AND INCIDENTALS REQUIRED TO COMPLETE THIS ITEM IN A SATISFACTORY AND WORKMANLIKE MANNER.

PADLOCKS AND KEYS

PADLOCKS FURNISHED SHALL BE EITHER BRASS OR BRONZE, EQUAL TO MASTER NO. 4BKA OR WILSON BOHANNAN 660A, AND SHALL BE KEYED IN ACCORDANCE WITH C&MS 631.06. PAYMENT SHALL BE INCLUDED IN THE BID FOR THE ITEM(S) BEING LOCKED.

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\LightingNotes.dgn 11/2/2020 9:59:26 AM carlr

CALCULATED
KCS
CHECKED
JCH

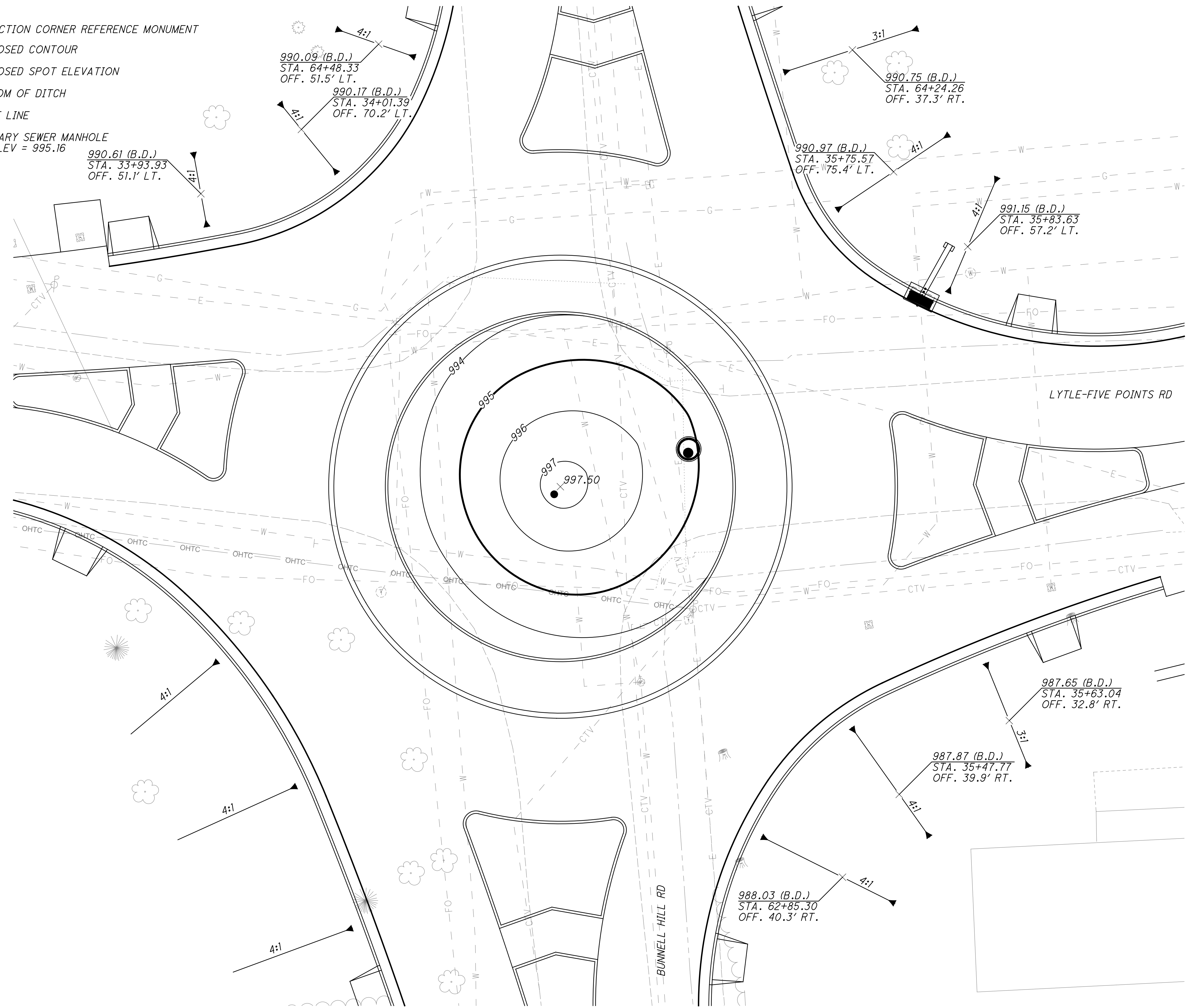
LIGHTING NOTES

WAR-CR 46 / TR128 -
ROUNDAABOUT

68
70

LEGEND

- PROPOSED SECTION CORNER REFERENCE MONUMENT
- 994— PROPOSED CONTOUR
- ×997.50 PROPOSED SPOT ELEVATION
- B.D. BOTTOM OF DITCH
- SLOPE LINE
- SANITARY SEWER MANHOLE
RIM ELEV = 995.16



CALCULATED
CJR
CHECKED
RAH

0 10 20
HORIZONTAL
SCALE IN FEET

LANDSCAPE PLAN - GRADING PLAN
LYTLE-FIVE POINTS RD & BUNNELL HILL RD

WAR-CR46 / TR128 -
ROUNDAABOUT

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Grading_Plan.dgn 11/21/2020 9:59:26 AM carlr

S:\CIN\3800--3899\3861\003\Drawings\CAD\Sheets\Landscaping Plan.dgn 11/2/2020 9:59:27 AM carl

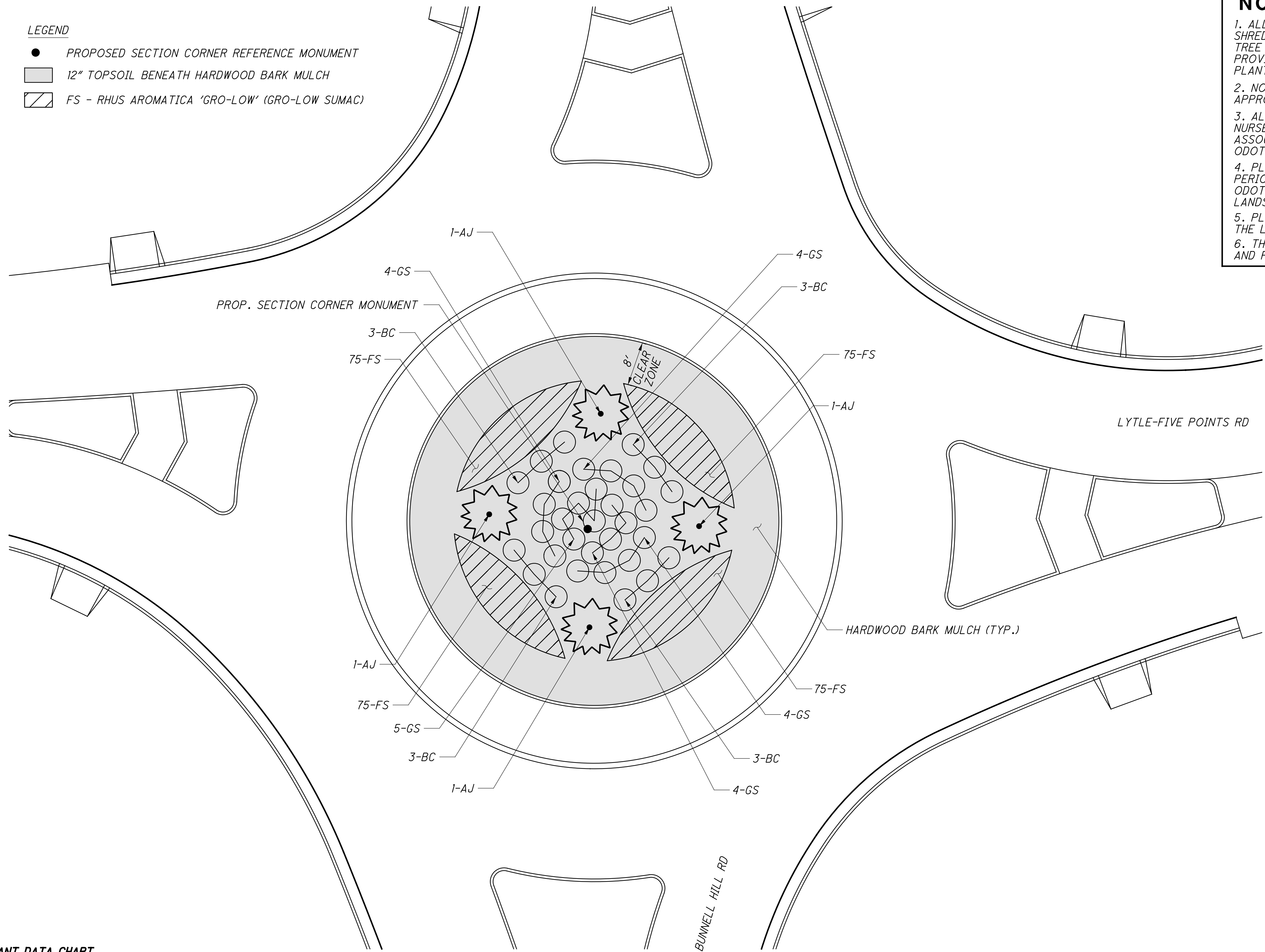
LEGEND

- PROPOSED SECTION CORNER REFERENCE MONUMENT
- 12" TOPSOIL BENEATH HARDWOOD BARK MULCH
- ▨ FS - RHUS AROMATICA 'GRO-LOW' (GRO-LOW SUMAC)

- NOTES:**
- ALL PLANTING BEDS SHALL HAVE A 2" TO 3" THICK LAYER OF SHREDDED HARDWOOD BARK MULCH. NO UTILITY MULCH OR PROCESSED TREE TRIMMINGS WILL BE ALLOWED. A WEED BARRIER SHALL BE PROVIDED IN MULCHED AREAS EXCEPT IN AREAS OF GROUND COVER PLANTINGS.
 - NO SUBSTITUTIONS OF PLANT MATERIALS ALLOWED UNLESS APPROVED BY THE OWNER.
 - ALL PLANTS ARE TO MEET OR EXCEED AMERICAN STANDARDS FOR NURSERY STOCK, ANSI Z60.1-2014 AS SET FORTH BY AMERICAN ASSOCIATION OF NURSERYMEN AND CONFORM TO SECTION 611 OF THE ODOT CMS.
 - PLANT MATERIAL DEEMED NOT VIABLE BY THE COUNTY AFTER THE PERIOD OF ESTABLISHMENT AS DEFINED IN SECTION 611.14 OF THE ODOT CMS SHALL BE REPLACED AT NO ADDITIONAL CHARGE BY LANDSCAPE CONTRACTOR.
 - PLANTING BEDS SHALL HAVE A 12" DEPTH OF TOPSOIL THROUGHOUT THE LANDSCAPED AREA.
 - THE LANDSCAPE CONTRACTOR SHALL OBTAIN AND PAY FOR PERMITS AND FEES THAT MAY BE REQUIRED FOR HIS/HER PORTION OF WORK.

CALCULATED
CJR
CHECKED
RAH

0 10 20
HORIZONTAL
SCALE IN FEET



PLANT DATA CHART

PLANT CODE	SCIENTIFIC NAME	AVG. MATURE HEIGHT	AVG. MATURE SPREAD	SIZE WHEN PLANTED	ROOT ZONE MODE	MINIMUM SIZE				FERT. PACK. REQ'D	MULCH RING DIA.
						MIN. BALL OR POT		MIN. HOLE SIZE			
						MIN. CONT. SIZE	MIN. CONT. DEPTH	MIN. HOLE DIA.	MIN. HOLE DEPTH		
SMALL DECIDUOUS SHRUBS											
BC	POTENTILLA FRUTICOSA 'GOLDFINGER'	2-4'	3-5'	18" HT	POT	12"	9"	28"	9"	1	BED
GS	SPIRAEA JAPONICA 'GOLD MOUND'	2-3'	3-4'	18" HT	POT	12"	9"	28"	9"	1	BED
EVERGREEN SHRUBS											
AJ	JUNIPERUS SABINA 'ARCADIA'	18"	4'	12"	CAN	12"	9"	28"	9"	2	BED
GROUND COVERS & VINES											
FS	RHUS AROMATICA 'GRO-LOW'	18-24"	6'	12"	POT	1 Gal	--	--	--	--	BED

* PLANTING SIZE REFERS TO THE CONTAINER SIZE LISTED IN ANSI Z60-2014.

ITEM	KEY	DESCRIPTION: BOTANICAL NAME--COMMON NAME	SIZE *	COND.	QTY.
	GS	SMALL DECIDUOUS SHRUBS			
	BC	SPIRAEA JAPONICA 'GOLDMOUND' - GOLDMOUND SPIRAEA, 2' HEIGHT	#7	POT	21 EACH
661	BC	POTENTILLA FRUTICOSA - BUSH CINQUEFOIL, 2' HEIGHT	#7	POT	12 EACH
	AJ	EVERGREEN SHRUB JUNIPERUS SABINA 'ARCADIA' - ARCADIA JUNIPER, 12" HEIGHT	#3	CAN	4 EACH
	FS	GROUND COVERS AND VINES RHUS AROMATICA 'GRO-LOW' - GRO-LOW SUMAC	#1	POT	300 EACH
661	MULCH	MULCH AND TOPSOIL SHREDDED HARDWOOD BARK MULCH - MULCH			33 CU. YDS.
661	TOPSOIL	PLANTING, MISC.: WEED BARRIER TOPSOIL			315 SQ. YDS.
659	TOPSOIL				131 CU. YDS.

***BID/CONTRACT DOCUMENTS
LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
PROJECT
ON BEHALF OF
NEIL F. TUNISON
WARREN COUNTY ENGINEER***

**WARREN COUNTY BOARD OF COMMISSIONERS
406 JUSTICE DRIVE
LEBANON, OHIO 45036
(513) 695-1250**

PROPOSAL PRICE (BID) SHEET

BID PROPOSAL

Proposal for the Lytle Five Points Road and Bunnell Hill Road Roundabout. This project consists of the construction of a modern roundabout intersection including asphalt pavement, curb and gutter, storm sewer, street lighting, and traffic control devices. The project shall be as per plans and specifications as provided by the Warren County Engineer.

The undersigned do hereby propose to furnish all labor, materials, tools, equipment, etc., necessary to construct this project for the Warren County Engineer's Office. The above quotations to be in full force and effect for sixty (60) days after the date of opening bids. The full name and address of all persons and parties interested in the foregoing bids as principals are as follows:

Total Bid Price \$ _____

The contract will be awarded to the best and most responsive bid based on the qualifications of the Contractor and the total price of the Total Bid Price.

SIGNED

PRESIDENT

COMPANY

SECRETARY

BY

TITLE

DATE

ADDRESS

LYTLE-FIVE POINTS RD AND BUNNELL HILL RD ROUNDABOUT

ITEM	ITEM EXT DESCRIPTION	GRAND TOTAL	UNIT	UNIT COST	EXTENSION
ROADWAY					
201	11000 CLEARING AND GRUBBING	1	LS		
202	20010 HEADWALL REMOVED	4	EACH		
202	23000 PAVEMENT REMOVED	355	SY		
202	23010 PAVEMENT REMOVED, ASPHALT	6041	SY		
202	23010 PAVEMENT REMOVED, ASPHALT (DRIVEWAYS)	384	SY		
202	32000 CURB REMOVED	57	FT		
202	35100 PIPE REMOVED, 24" AND UNDER	468	FT		
202	35200 PIPE REMOVED, OVER 24"	67	FT		
202	53100 MAILBOX REMOVED	10	EACH		
202	98000 REMOVAL MISC.: FLOWER BEDS	1	LS		
203	10000 EXCAVATION	1636	CY		
203	20000 EMBANKMENT	1528	CY		
204	10000 SUBGRADE COMPACTION	10280	SY		
204	45000 PROOF ROLLING	26	HOUR		
608	12000 5" CONCRETE WALK	627	SF		
608	52000 CURB RAMP	466	SF		
609	71000 CONCRETE MEDIAN	5415	SF		
609	71001 CONCRETE MEDIAN, AS PER PLAN	313	SF		
623	40501 REFERENCE MONUMENT, AS PER PLAN	1	EACH		
690	50000 SPECIAL - MAILBOX SUPPORT	10	EACH		
SPL	UNDERCUTTING SUBGRADE	350	CY		
SUBTOTAL ROADWAY					
EROSION CONTROL					
601	21050 TIED CONCRETE BLOCK MAT, TYPE 1	65	SY		
601	32204 ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	5	CY		
659	00300 TOPSOIL	872	CY		

659	00500	SEEDING AND MULCHING, CLASS 1	6677	SY	
659	14000	REPAIR SEEDING AND MULCHING	334	SY	
659	15000	INTER-SEEDING	334	SY	
659	20000	COMMERCIAL FERTILIZER	0.93	TON	
659	31000	LIME	1.38	ACRE	
659	35000	WATER	37	MGAL	
670	00500	SLOPE EROSION PROTECTION	870	SY	
670	00700	DITCH EROSION PROTECTION	870	SY	
832	15000	STORM WATER POLLUTION PREVENTION PLAN	1	LS	
832	30000	EROSION CONTROL	25000	EACH	
		SUBTOTAL EROSION CONTROL			
		PAVEMENT			
254	01000	PAVEMENT PLANING, ASPHALT CONCRETE	182	SY	
301	46000	ASPHALT CONCRETE BASE, PG64-22	1991	CY	
304	20000	AGGREGATE BASE	1764	CY	
407	20000	NON-TRACKING TACK COAT	957	GAL	
441	50000	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	292	CY	
441	50300	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	372	CY	
452	10010	6" NON-REINFORCED CONCRETE, CLASS QC 1P	423	SY	
452	11011	7" NON-REINFORCED CONCRETE, CLASS QC 1P	273	SY	
452	15010	12" NON-REINFORCED CONCRETE, CLASS QC 1P, AS PER PLAN	143	SY	
609	12000	COMBINATION CURB AND GUTTER, TYPE 2	752	FT	
609	22000	CURB, TYPE 3-B	600	FT	
609	22001	CURB, TYPE 3-B, AS PER PLAN	283	FT	
609	26000	CURB, TYPE 6	1167	FT	
SPL		GRANULAR REPAIR OF SUBGRADE	350	CY	
304		AGGREGATE BASE TO BE USED WITH TENSAR	350	CY	
SPL		GEOGRID TRIAX TX5, TENSAR, "OR APPROVED EQUAL", AS DIRECTED	2000	SY	
		SUBTOTAL PAVEMENT			
		WATER WORK			
202	75610	VALVE BOX REMOVED	1	EACH	

638	01200	8" WATER MAIN D. I. PIPE ANSI CLASS 52, PUSH-ON JTS AND FTGS	245	FT	
638	01800	10" WATER MAIN D.I. PIPE ANSI CLASS 52, PUSH-ON JTS AND FTGS	37	FT	
638	03000	16" WATER MAIN D.I. PIPE ANSI CLASS 52, PUSH-ON JTS AND FTGS	871	FT	
638	07900	8" GATE VALVE AND VALVE BOX	1	EACH	
638	08000	10" GATE VALVE AND VALVE BOX	1	EACH	
638	08102	16" GATE VALVE AND VALVE BOX	6	EACH	
638	08600	WATER WORK, MISC.: 8" LINE STOP	1	EACH	
638	08600	WATER WORK, MISC.: 10" LINE STOP	1	EACH	
638	08600	WATER WORK, MISC.: 16" LINE STOP	4	EACH	
638	09894	16" X 8" TAPPING SLEEVE, VALVE AND VALVE BOX	1	EACH	
638	10400	FIRE HYDRANT ADJUSTED TO GRADE	1	EACH	
638	10500	FIRE HYDRANT REMOVED AND RESET	1	EACH	
638	10800	VALVE BOX ADJUSTED TO GRADE	5	EACH	
638	11100	METER AND CHAMBER REMOVED AND RESET	4	EACH	
638	20796	SPECIAL - RETAP, RECONNECT AND EXTEND 3/4" COPPER SERVICE CONN	77	FT	
638	20880	SPECIAL - CUT AND PLUG EXISTING 8" WATER LINE	1	EACH	
638	20882	SPECIAL - CUT AND PLUG EXISTING 10" WATER LINE	1	EACH	
638	20886	SPECIAL - CUT AND PLUG EXISTING 16" WATER LINE	4	EACH	
638	20804	SPECIAL - INSTALL 3/4" COPPER WATER SERVICE LINE, LONG SIDE	1	EACH	
638	98000	WATER WORK, MISC.: CONNECT TO EX. 8" MAIN	1	EACH	
638	98000	WATER WORK, MISC.: CONNECT TO EX. 10" MAIN	1	EACH	
638	98000	WATER WORK, MISC.: CONNECT TO EX. 16" MAIN	4	EACH	
		SUBTOTAL WATER WORK			
		SANITARY SEWER			
202	98600	ABANDON MISC.: SEPTIC SYSTEM ABANDONMENT	5	EACH	
611	01101	6" CONDUIT, TYPE C, AS PER PLAN	493	FT	
611	01801	8" CONDUIT, TYPE B, AS PER PLAN	723	FT	
611	99575	MANHOLE, NO. 3, AS PER PLAN	6	EACH	
611	99654	MANHOLE ADJUSTED TO GRADE	1	EACH	
611	99690	MANHOLE, MISC.: CONNECT TO EXISTING SAN. MANHOLE	2	EACH	
611	97200	CONDUIT, MISC.: 6" CLEAN-OUT	10	EACH	
		SUBTOTAL SANITARY SEWER			

630	03100	GROUND MOUNTED SUPPORT, NO. 3 POST	381	FT	
630	84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	9	EACH	
630	86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	8	EACH	
644	00100	EDGE LINE, 4"	0.89	MILE	
644	00300	CENTER LINE	0.28	MILE	
644	00500	STOP LINE	32	FT	
644	00700	TRANSVERSE/DIAGONAL LINE	271	FT	
644	01520	DOTTED LINE, 12"	173	FT	
644	20800	YIELD LINE	72	FT	
		SUBTOTAL TRAFFIC CONTROL			
		LANDSCAPING			
661	00500	MULCH	33	CY	
661	12000	GROUND COVER AND VINES, 1 YEAR, POTTED	300	EACH	
661	20040	DECIDUOUS SHRUB, 2' HEIGHT (SPIRAEA JAPONICA 'GOLDMOUND')	21	EACH	
661	20040	DECIDUOUS SHRUB, 2' HEIGHT (POTENTILLA FRUTICOSA)	12	EACH	
661	30000	EVERGREEN SHRUB, 12" HEIGHT (JUNIPERUS SABINA 'ARCADIA')	4	EACH	
661	99930	PLANTING, MISC.: WEED BARRIER	315	SY	
		SUBTOTAL LANDSCAPING			
		INCIDENTALS			
614	11000	MAINTAINING TRAFFIC	1	LS	
619	16010	FIELD OFFICE, TYPE B	4	MNTH	
623	10000	CONSTRUCTION LAYOUT STAKES AND SURVEYING	1	LS	
624	10000	MOBILIZATION	1	LS	
SPL		8937 BUNNELL HILL ROAD	1	LS	
		SUBTOTAL INCIDENTALS			
		TOTAL BID PRICE			

EXCEPTION SHEET

Exceptions: Exceptions to any bid specification must be clearly stated on this sheet. This sheet must be submitted with each bid. If there are no exceptions, please indicate "none" below.

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____
- 6) _____
- 7) _____
- 8) _____
- 9) _____
- 10) _____

BIDDER IDENTIFICATION

ATTENTION BIDDER:

Please fill out this form and submit with your bid.

COMPANY NAME:

CHIEF EXECUTIVE OFFICER:

ADDRESS:

PHONE NUMBER:

FAX NUMBER:

PROJECT CONTACT PERSON:

PHONE NUMBER:

E-MAIL ADDRESS:

FEDERAL ID #:

WEBSITE ADDRESS:

TABLE OF CONTENTS

- Proposal Price (Bid) Sheet
- Exception Sheet
- Bidder Identification

- A) Invitation to Bidders
 - Directions to Warren County Administration Building

- B) General Instructions to Bidders

- C) Affidavit of Noncollusion

- D) Bid Guaranty & Contract Bond

- E) Performance Bond

- F) Contract

- G) Bond & Insurance Requirements

- H) Experience Statement

- I) Affidavit of Non-Delinquency of Real and/or Personal Property Tax

- J) Non-Discrimination and Equal Employment Opportunity Requirements and Affidavit

- K) Findings for Recovery Affidavit

- L) Wage Rate Determination

- M) Special Provisions/Technical Specifications

INVITATION TO BIDDERS

Separate sealed bids for the Lytle Five Points Road And Bunnell Hill Road Roundabout Project will be received by the Warren County Board of Commissioners at the Office of the Warren County Commissioners, 406 Justice Drive, Lebanon, Ohio 45036, until 9:15 a.m., December 8, 2020, and then at said time publicly opened and read aloud.

Bid documents and specifications are available online at the Warren County's Website at <https://www.co.warren.oh.us/Commissioners/Bids/Default.aspx>. Questions regarding the technical specifications should be directed to Charles Petty, Assistant Warren County Engineer, at the Warren County Engineer's Office, at (513) 695-3309. Each bid shall contain the full name of each person or company submitting the bid and be accompanied by a bid bond for the full amount of the bid or a certified check in the amount equal to ten (10) percent of the bid.

Contact the Warren County Commissioner's Office at (513) 695-1250 should you need assistance in accessing the bidding information on the County's website. All contract addenda will be posted to the website prior to the bid opening. Bidders should check the website regularly to stay updated on any changes to the project.

Please be aware that if you are downloading this document to bid this project, and in order to stay updated on any change, please email Kiana Hawk in the Commissioners Office at kiana.hawk@co.warren.oh.us with your contact information.

A Bid guaranty, as required by Ohio Revised Code, Section 153.54, shall accompany each proposal submitted, as follows:

1. A Certified check, cashiers check, or letter of credit equal to ten (10) percent of the bid. A letter of credit may only be revocable by the Owner. Upon entering into a contract with the Owner, the contractor must file a performance bond for the amount of the contract, and the bid guaranty will then be returned to the successful and unsuccessful bidders upon contract execution. ***OR***
2. A form of bid guaranty bond (attached) for the full amount of the bid. Such bond is retained for the successful bidder, but returned to unsuccessful bidders after the contract is executed.

Attention of bidders is called to all of the requirements contained in the bid packet. No bidder may withdraw his/her bid within sixty (60) days after the actual date of the opening thereof. All bids shall be properly signed by an authorized representative of the bidder.

All bids shall be sealed and plainly marked "**Bid Opening – Lytle Five Points Road and Bunnell Hill Road Roundabout Project, December 8, 2020 @ 9:15 a.m.**"

Warren County reserves the right to reject any or all bids submitted, to waive any irregularities in bids, and enter into a contract with the Bidder who in Warren County's consideration offered the lowest and best bid.

By order of the Board of County Commissioner, County of Warren, State of Ohio.

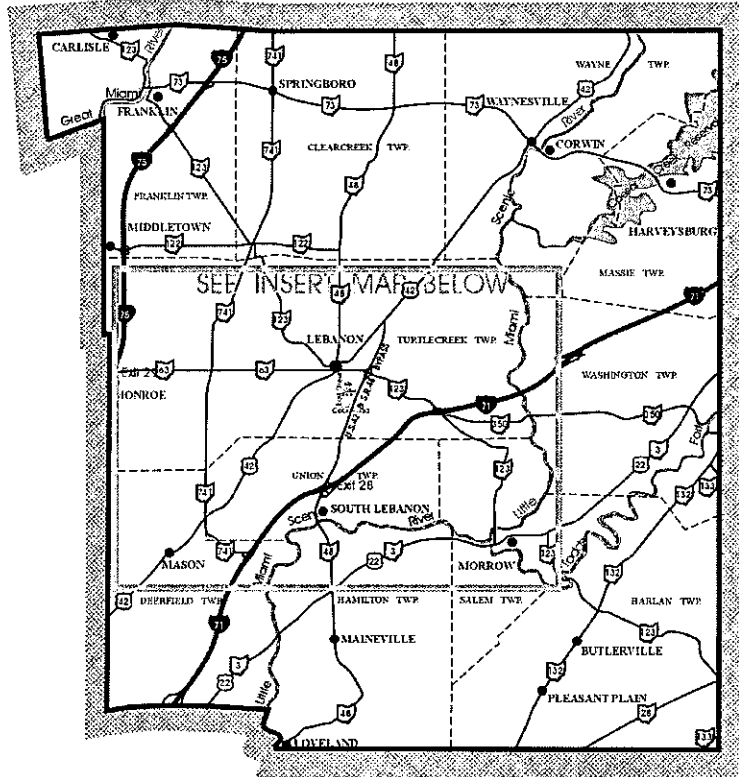
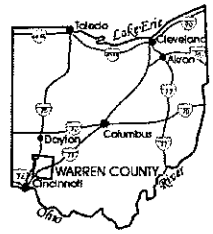
Tina Osborne, Clerk



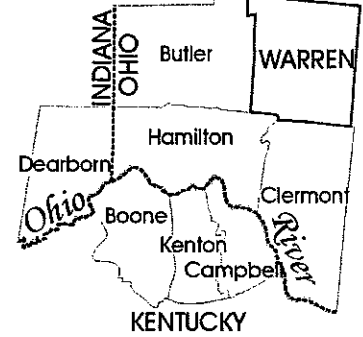
DIRECTIONS FROM INTERSTATE HIGHWAYS 71 & 75 TO

WARREN COUNTY, OHIO

COUNTY ADMINISTRATION BUILDING



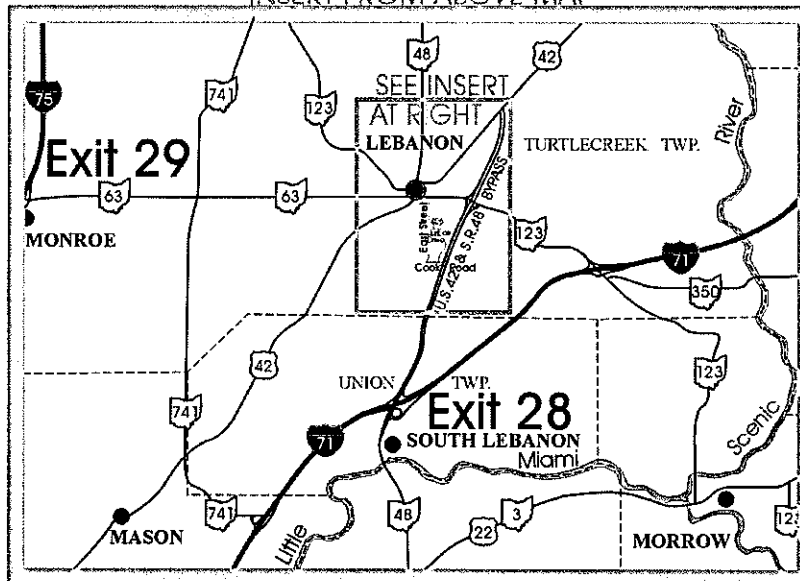
TRI-STATE REGION COUNTIES



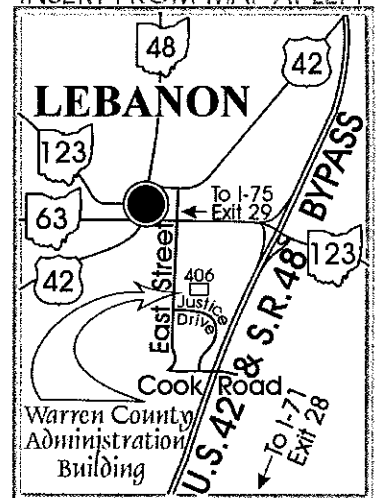
- FROM INTERSTATE 75:**
- Take Monroe / Lebanon Exit 29,
 - Head East on S. R. 63 into Lebanon,
 - Turn right onto East Street,
 - Turn left onto Justice Drive,
 - Turn left into parking lot,
 - At first driveway on left.

- FROM INTERSTATE 71:**
- Take Lebanon / South Lebanon Exit 28,
 - Head North on U. S. 42 / S. R. 48 Bypass,
 - Turn left onto Cook Road at traffic light,
 - Turn at first right onto Justice Drive,
 - Turn right at first street on right,
 - Then left into parking lot at first left.

INSERT FROM ABOVE MAP



INSERT FROM MAP AT LEFT



Map Prepared By: Warren County Regional Planning Commission

GENERAL INSTRUCTIONS TO BIDDERS

1. **Receipt and Opening of Bids:** The Warren County Board of Commissioners (herein referred to as "Owner"), invites bids on the form attached hereto, all blanks of which must be appropriately filled in. Bids will be received by the Owner at the Office of the Warren County Board of Commissioners until 9:15 a.m., December 8, 2020, and then at said office publicly opened and read aloud. The envelopes containing the bids must be sealed, addressed to Warren County Board of Commissioners at 406 Justice Drive, Lebanon, Ohio 45036. Bids shall be submitted in a sealed envelope clearly marked "**Bid Opening – LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT Project, December 8, 2020 @ 9:15 a.m.**"

The Owner may consider informal any bid not prepared and submitted in accordance with the provisions hereof and may waive any informalities or reject any and all bids. Any bid may be withdrawn prior to the above scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and date specified shall not be considered. No bidder may withdraw a bid within 60 days after the actual date of the opening thereof.

2. **Withdraw of Bid:** A Bidder may withdraw his bid from consideration if the price bid was substantially lower than the other bids, provided the bid was submitted in good faith and the reason for the price being substantially lower was a clerical mistake as opposed to a judgment mistake and was actually due to an unintentional omission of a substantial quantity of work, labor or material made directly in the compilation of the bid. Request to withdraw such bid must be made in writing and filed with the Owner within two business days after the opening of bids and prior to the acceptance thereof.
3. **Preparation of Bid:** Each bid must be submitted on the prescribed form and such documents as hereunder described. All blank spaces for bid prices must be filled in, in ink or typewritten, in both words and figures, and the foregoing certifications must be fully completed and executed when submitted.
4. **Method of Bidding:** The Owner invites the following bid(s):

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT PROJECT

Bids shall be submitted at the time and place indicated in the Invitation to Bidder and shall be included in a sealed envelope, marked with the project title and name and address of the bidder and accompanied by the bid security and other required documents.

Bids may be modified or withdrawn by an appropriate document duly executed (in the manner that a bid must be executed) and delivered to the place where bids are to be submitted at any time prior to the opening of bids.

The Owner invites unit price bids for the construction described in the plans and specifications. These unit prices shall be extended by estimated quantities to develop a total price for the project.

If the total price received from the lowest and best bidder exceeds the amount of funds available to finance the contract, the Owner may:

- a. Reject all bids;
 - b. Augment the funds available in an amount sufficient to enable award to the lowest and best bidder;
 - c. Reduce the scope of work by eliminating certain items of work to produce a total bid which is within available funds;
 - d. Reduce the scope of work by reducing the quantity of certain items of work to produce a total bid which is within available funds;
 - e. Reduce the scope of work by a combination of adjustments as outlined in "c" and "d" above to produce a total bid which is within available funds.
 - f. The Owner may reject all bids or may award the contract on the base bid or on the base bid combined with additions or deductible alternates as produces a net amount which is within the available funds.
 - g. The Owner may consider informal and may reject any bid not prepared and submitted in accordance with the provisions hereof. The Owner reserves the right to reject all bids, to waive any informalities or irregularities in the bids received, and to accept any bid which is deemed lowest and best.
5. **Qualification of Bidder:** The Owner may make such investigations as he/she deems necessary to determine the ability of the bidder to perform the work, and the bidder shall furnish to the Owner all such information and data for this purpose as the Owner may request. The Owner reserves the right to reject any bid if the evidence submitted by, or investigation of, such bidder fails to satisfy the Owner that such bidder is properly qualified to carry out the obligations of the contract and to complete the work contemplated therein; conditional bids will not be accepted.
6. **Bid Security:** Each bid must be accompanied by cash, certified check of the bidder, letter of credit equal to ten (10) percent of the bid, or a bid bond prepared on the form of bid bond attached hereto, duly executed by the bidder as principal and having as surety thereon a surety company approved by the Owner. (See Invitation to Bidders for required amounts) Such cash, checks or bid bonds will be returned to bidders after the Owner has awarded the bid and has executed the contract, or, if no award has been made within 60 days after the date of the opening of bids, upon demand of the bidder at any time thereafter, so long as he/she has not been notified of the acceptance of his/her bid.
7. **Liquidated Damages for Failure to Enter into Contract:** Submission of a bid shall be a representation by the Contractor that it has fully reviewed and is familiar with the Contract and all contract documents as defined in the contract and will execute the contract if awarded the bid. The successful bidder, upon his/her failure or refusal to execute and deliver the Contract (attached hereto) and required bonds within 10 days after he/she has received notice of the acceptance of his/her bid, shall forfeit to the Owner, as liquidated damages for such failure or refusal, the security deposited with his/her bid.
8. **Time of Completion and Liquidated Damages:** Bidder must agree to commence work on or before a date to be specified in a written "Notice to Proceed" of the Owner and to fully complete the project by August 21, 2021. The completion date may be extended in the event of adverse weather conditions. Bidder must agree also to pay as liquidated damaged the sum of \$400.00 for each consecutive calendar day thereafter.

9. **NO DAMAGE FOR DELAY:** No payment, compensation or adjustment of any kind shall be made to the contract price for damages incurred by the contractor because of hindrances or delays in the progress of the work from any cause that is not proximately caused by the Owner's action or failure to act. Whether such hindrances or delays are avoidable or unavoidable, the contractor agrees that he or she will make no claim for compensation, damages or mitigation of liquidated damages for any such delays. Examples of delays include (but are in no manner limited to) obtaining all necessary permission from any government agency or any private party, any act or failure to act by any other contractor, subcontractor and/or supplier, all foreseen and unforeseen events and any conditions or acts of God. It is understood and agreed that the contractor assumes all risks of delays in prosecuting or completing the work under the contract that are not proximately caused by the Owner's action or failure to act. The contractor will accept in full satisfaction for such delays, an extension of time, if any, agreed to by the Owner.
10. **Conditions of Work:** Each bidder must inform him/herself fully of the conditions relating to the construction of the project and the employment of labor thereon. Failure to do so will not relieve a successful bidder of his/her obligation to furnish all material and labor necessary to carry out the provisions of his/her contract. Insofar as possible the contractor, in carrying out the work, must employ such methods or means or will not cause any interruption of or interference with the work of any other contractor.
11. **Addenda and Interpretations:** No interpretation of the meaning of the plans, specifications or other bid documents will be made to any bidder orally. Every request for such interpretation must be in writing and addressed to: Charles Petty, Warren County Engineer's Office, 210 West Main Street, Lebanon, Ohio, 45036, and to be given consideration must be received at least five days prior to the date fixed for the opening of bids. All such interpretations and any supplemental instructions will be in the form of written addenda to the specifications which, if issued, will be mailed by certified mail with return receipt requested to all prospective bidders (at the respective addresses furnished for such purposes), no later than three days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such addendum or interpretations shall not relieve such bidder from any obligation under his/her bid as submitted. All addenda so issued shall become part of the contract documents.
12. **Security for Faithful Performance:** Simultaneously with the delivery of the executed Contract, the Contractor shall furnish payment and performance bonds as security for faithful performance of this contract and for the payment of all subcontracts, suppliers and laborers performing labor on the project under the Contract and furnishing materials in connection with the Contract.

The surety on such bond or bonds shall be a duly authorized surety company satisfactory to the Owner. Please note that upon execution of the Contract if a Bid Guaranty/Contract Bond was submitted with your original bid a Performance Bond will not be required.
13. **Power of Attorney:** Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney.
14. **Laws and Regulations:** The bidder's attention is directed to the fact that all applicable State laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein written out in full.

15. **Method of Award - Lowest Qualified Bidder:** The Owner may reject all bids or may award the contract on the base bid or on the base bid combined with additions or deductible alternates as produces a net amount which is within the available funds.
16. **Obligation of Bidder:** At the time of the opening of bids each bidder will be presumed to have inspected the site and to have read and to be thoroughly familiar with the plans and contract documents (including all addenda). The failure or omission of any bidder to examine any form, instrument or document shall in no way relieve any bidder from any obligation in respect of his/her bid.
17. **Safety Standards and Accident Prevention:** With respect to all work performed under this contract, the Contractor shall:
 - a. Comply with the safety standards provisions of applicable laws, building and construction codes and the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, the requirements of the Occupational Safety and Health Act of 1970 (Public Law 91-596), and the requirements of title 29 of the code of Federal Regulations, Section 1518 as published in the "Federal Register", Volume 36, N. 75, Saturday, April 17, 1971.
 - b. Exercise every precaution at all times for the prevention of accidents and the protection of persons (including employees) and property.
 - c. Maintain at his/her office or other well known place at the job site, all articles necessary for giving first aid to the injured, and shall make standing arrangements for the immediate removal to a hospital or doctor's care of persons (including employees) who may be injured at the job site. In no case shall employees be permitted to work at a job site before the employer has made a standing arrangement for removal of injured persons to a hospital or a doctor's care.
18. **Examination of Site:** Each bidder shall, and is hereby directed to inspect the entire site of the proposed work and judge for him/herself as to all the circumstances affecting the cost and progress of the work and shall assume all patent and latent risks in connection therewith.
19. **Soil Conditions:** Subject to the convenience of the Owner, prospective bidders will be permitted to explore the site by making borings or digging test pits. In such event, the work shall be done at the sole expense and risk of the bidder, and he/she shall maintain and restore the site to original condition. The Owner does not guarantee the accuracy of any information or samples which it may have obtained from test borings or otherwise as to the kind or condition of the soil that may be encountered in the prosecution of the proposed work, neither does the Owner represent that the plans and specifications drawn are based upon any data so obtained. The Owner does not make any representation as to the soil which may be encountered or of soil or water which underlies the work or is adjacent thereto, including any difficulties that may be due to quicksand, or other unfavorable conditions that may be encountered in the work, whether apparent upon surface inspection or disclosed in the process of carrying forward the work.
20. **Water Supply:** All water for construction purposes, as well as the expense of having water conveyed about the work, must be provided by the Contractor and the cost of this work shall be included in the unit prices stipulated for the various items of the work to be done under this contract.

21. **Working Facilities:** The plans show, in the general manner, the existing structures and the land available for construction purposes. The bidders must satisfy themselves of the conditions and difficulties that may be encountered in the execution of the work at this site.
22. **Permits:** The Contractor shall take out all necessary permits from the proper authorities, and shall give all notices required by law or ordinance. The charge or fee for any permit issued by the proper authority shall be borne by the contractor.
23. **Signature of Bidders:** The firm, corporate or individual name of the bidder must be signed in ink in the space provided for the signatures on the proposed blanks. In the case of a corporation, the title of the officer signing must be stated and such officer must be thereunto duly authorized and the seal of said corporation duly affixed. In the case of a partnership, the signature of at least one of the partners must follow the firm name, using the term "member of the firm." In the case of an individual, use the terms "doing business as", or "sole owner." The bidder shall further state in his/her proposal the name and address of each person or corporation interested therein.
24. **Right to Accept or Reject Proposals:** The Owner may consider informal and may reject any bid not prepared and submitted in accordance with the provisions hereof. The Owner reserves the right to reject all bids, to waive any informalities or irregularities in the bids received, and to accept any bid which is deemed lowest and best.
25. **Non-Collusion Affidavit:** The successful bidder will be required to submit a non-collusion affidavit on the form included in these Bid/Contract documents (Section C). This affidavit shall be dated and executed as part of this bid.
26. **EEO Compliance:** Bidders please see Section J for EEO Compliance Requirements and Affidavit.
27. **Prevailing Wage Rates:** This Project is subject to Prevailing Wage Requirements. In the event that the rate of wages paid for any trade or occupant in the locality where such work is being performed are under current collective agreements or understandings between bona fide organizations of labor and employer, then the wages to be paid shall be not less than such agreed wage rates, nor less than the minimum rates compiled by the Federal Labor Standard Act. A copy of these prevailing wage rates has been included in these specifications as Exhibit L. Every Contractor and Subcontractor who is subject to Ohio Revised Code, Chapter 4115 shall, as soon as he/she begins performance under his/her contract with the Owner, supply the Prevailing Wage Coordinator for the Owner a schedule of the dates on which he/she is required to pay wages to employees. He/She shall also deliver to the Prevailing Wage Coordinator within three weeks after each pay date, a certified copy of his/her payroll which shall exhibit for each employee paid any wages, name, current address, social security number, number of hours worked each day of the pay period and the total for each week, hourly rate of pay, job classification, fringe payments, and deductions from wages. The certification of each payroll shall be executed by the Contractor, Subcontractor, or duly appointed agent thereof and shall recite that the payroll is correct and complete and that the wage rate shown is not less than those required by the contract.

In case the Owner orders the Contractor to perform extra or additional work which may make it necessary for the Contractor or any Subcontractor under this contract to employ a person not herein specified, the Owner will include in the contract change order for such extra or additional work, a minimum wage rate for such trade or occupation, and insofar as such extra or additional work is concerned, there shall be paid to each employee engaged in

work of such trade or occupation, not less than the wage so included. Insofar as possible, local labor shall be employed on this work.

28. **Subletting of Contract:** The Contractor shall not sublet, sell, transfer or assign any portion of the contract without written consent of the Owner or his/her designated agent. When such consent is given, the Contractor will be permitted to sublet a portion thereof, but shall perform with his/her own organization, work amounting to no less than fifty percent of the total contract cost, except that any time designated in the contract before computing the amount of work required to be performed by the Contractor with his/her own organization, No subcontract, or transfer of contract, shall in any way release the Contractor of his/her liability under the contract and bonds.
29. **Required Insurance:** In accordance with the specifications, the Contractor, without restricting the obligations and liabilities assumed under the Contract Documents, shall at his/her own cost and expense purchase and maintaining in force until final acceptance of his/her work, the forms of insurance coverage listed below.

Certificates from the insurance carrier stating the limits of liability and expiration date shall be filed with the Owner before operations are begun. Such certificates shall not merely name the types of policy provided, **but shall specifically refer to this Contract** and shall name the Board of Warren County Commissioners as additionally insured. However, the original policy for Owner's Protective Bodily Injury (Item D) and Property Damages (Item E) shall at this time be delivered to the Owner for its possession.

All policies as hereinafter required shall be so written that the Owner will be notified of cancellation or restrictive amendment at least ten days prior to the effective date of such cancellation or amendment.

Item A - Workmen's Compensation and/or Employer's liability Insurance as required or specified by State Law.

Item B – Comprehensive General Liability Insurance: In an amount not less than \$1,000,000.00 per occurrence for Bodily Injury and \$500,000 for explosion underground and collapse, commonly known as “XCU.” The following endorsement documents provided by Warren County:

- a. CG 20 10 10 01 – additional insured endorsement (or equivalent)
- b. CG 20 37 10 01 – additional insured endorsement (or equivalent)
- c. CG 25 03 03 97 – designated location aggregate (or equivalent)

General Liability needs to be written on Primary/Non-contributory basis for the benefit of the additional insured.

Item C – Umbrella: In an amount not less than \$1,000,000 occurrence and \$1,000,000 aggregate. Umbrella needs to attach to General Liability, Employers Liability, Auto Liability. Umbrella needs to be written on follow-form primary.

Item D - Bodily Injury Liability Insurance covering motor vehicles either owned by the Contractor or being used in connection with the prosecution of the work embraced under this contract.

Item E - Property Damage Liability Insurance covering motor vehicles either owned by the Contractor or being used in connection with the prosecution of the work embraced under this contract.

Item F - (If Applicable) - Such Protective (including Railroad Protective) and Contractual Bodily Injury Liability Insurance and such Protective (including Railroad Protective) and Contractual Property Damage Liability Insurance as shall be required by the railroad and other utility companies whose property, facilities or rights-of-way may be affected by the work to be done under this contract, in such amounts and in such form as each such utility company may require.

If any part of the work is sublet, insurance of the same types and limits as required by above items numbered A, B, C, D, E, and F shall be provided by or on behalf of the Subcontractors to cover that part of the work they have contracted to perform including Property Damage Liability Special Hazards coverage if so required by this contract.

Protective and Contractual Bodily Injury Liability Insurance required by Item F (if applicable) shall be in an amount and form as each railroad or utility company may require.

Builders Risk Insurance: All Risk form, including subsidence and theft of materials from the job site. Such coverage shall be maintained until final acceptance of the Contract by the Owner and payable to the Owner for the benefit of the contractor. The limit for Builders Risk shall be the full value of construction.

30. **Maintenance of Rights-Of-Way:** All construction as proposed along all City, Township, County, State and Federal roads including storage and stockpiling of materials, is to be conducted within the limits of the public right-of-way. Bracing sheeting and shoring shall be used to keep all construction work within the construction limits unless work agreements are secured from the adjacent property Owners. It is the Contractor's responsibility to secure these work agreements, if deemed necessary. Copies of the work agreements shall be delivered to the Engineer and Owner prior to any work beginning on the affected property.
31. **Lights, Signs and Barricades:** Lights, signs and barricades shall be used to maintain traffic and safety for vehicular and pedestrian traffic during the course of this contract and shall be the sole responsibility of the Contractor.
32. **Foreign Corporation and Contractors:**

Foreign Corporations

Definition: "Foreign Corporation" means a corporation incorporated under the laws of another state. No contract shall be entered into with a foreign corporation until the Secretary of State has certified that such corporation is authorized to do business in Ohio: and until, if the bidder so awarded the Contract is a person or partnership, it has filed with the Secretary of State a Power of Attorney designating the Secretary of State as its agent for the purpose of accepting service of summons in any action brought under Ohio Revised Code, Section 153.05 or under Sections 4123.01 to 4123.94, inclusive.

33. **Subcontracts:** Contractor shall provide an explanation as part of its bid package of all subcontractors intended to be used in performance of the work described in Part II, Section D. In the event the Owner does not object, Contractor may have such work performed by a



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Insurance Agency Name & Address	CONTACT NAME: Insurance Agent Contact	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	
	INSURER A: Insurance Company A	NAIC #
INSURED Contractors Name & Address	INSURER B: Insurance Company B	
	INSURER C: Insurance Company C	
	INSURER D: Insurance Company D	
	INSURER E: Insurance Company E	
	INSURER F: Insurance Company F	

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	X	X	POLICY #	EFF DATE	EXP DATE	EACH OCCURRENCE	\$ 1,000,000
	<input type="checkbox"/>						DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 100,000
	<input type="checkbox"/>						MED EXP (Any one person)	\$ 5,000
	<input type="checkbox"/>						PERSONAL & ADV INJURY	\$ 1,000,000
	<input type="checkbox"/>						GENERAL AGGREGATE	\$ 2,000,000
GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC OTHER:							PRODUCTS - COMP/OP AGG	\$ 2,000,000
								\$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY ANY AUTO ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS			POLICY #	EFF DATE	EXP DATE	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
	<input type="checkbox"/>						BODILY INJURY (Per person)	\$
	<input type="checkbox"/>						BODILY INJURY (Per accident)	\$
	<input type="checkbox"/>						PROPERTY DAMAGE (Per accident)	\$
	<input type="checkbox"/>							\$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE			POLICY #	EFF DATE	EXP DATE	EACH OCCURRENCE	\$ 1,000,000
	<input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						AGGREGATE	\$ 1,000,000
								\$
								\$
WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below							PER STATUTE	
							OTHER	
							E.L. EACH ACCIDENT	\$
							E.L. DISEASE - EA EMPLOYEE	\$
							E.L. DISEASE - POLICY LIMIT	\$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Board of Warren County Commissioners are listed as additional insureds with respects to the General Liability for ongoing and completed operations as per attached CG 2010 10/01 and CG 2037 10/01. General Liability is primary and non-contributory for the benefit of the additional insured. Waiver of subrogation applies to the General Liability.

CERTIFICATE HOLDER Board of Warren County Commissioners 406 Justice Drive Lebanon, OH 45036	CANCELLATION SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE INSURANCE AGENTS SIGNATURE

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 10 10 01

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Person or Organization:

Board of Warren County Commissioners
406 Justice Drive, Lebanon, OH 45036

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

- A. **Section II – Who Is An Insured** is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of your ongoing operations performed for that insured.
- B. With respect to the insurance afforded to these additional insureds, the following exclusion is added:

2. Exclusions

This insurance does not apply to "bodily injury" or "property damage" occurring after:

- (1) All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the site of the covered operations has been completed; or
- (2) That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 20 37 10 01

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED – OWNERS, LESSEES OR
CONTRACTORS – COMPLETED OPERATIONS**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name of Person or Organization: Board of Warren County Commissioners 406 Justice Drive Lebanon, OH 45036
Location And Description of Completed Operations:
Additional Premium:

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

Section II – Who Is An Insured is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" at the location designated and described in the schedule of this endorsement performed for that insured and included in the "products-completed operations hazard".

POLICY NUMBER:

COMMERCIAL GENERAL LIABILITY
CG 25 03 03 97

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Designated Construction Projects:

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

- A.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under **COVERAGE A (SECTION I)**, and for all medical expenses caused by accidents under **COVERAGE C (SECTION I)**, which can be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:
 - 1. A separate Designated Construction Project General Aggregate Limit applies to each designated construction project, and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
 - 2. The Designated Construction Project General Aggregate Limit is the most we will pay for the sum of all damages under **COVERAGE A**, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under **COVERAGE C** regardless of the number of:
 - a. Insureds;
 - b. Claims made or "suits" brought; or
 - c. Persons or organizations making claims or bringing "suits".
 - 3. Any payments made under **COVERAGE A** for damages or under **COVERAGE C** for medical expenses shall reduce the Designated Construction Project General Aggregate Limit for that designated construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Construction Project General Aggregate Limit for any other designated construction project shown in the Schedule above.
- 4.** The limits shown in the Declarations for Each Occurrence, Fire Damage and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Construction Project General Aggregate Limit.
- B.** For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under **COVERAGE A (SECTION I)**, and for all medical expenses caused by accidents under **COVERAGE C (SECTION I)**, which cannot be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:
 - 1. Any payments made under **COVERAGE A** for damages or under **COVERAGE C** for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-Completed Operations Aggregate Limit, whichever is applicable; and
 - 2. Such payments shall not reduce any Designated Construction Project General Aggregate Limit.
- C.** When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-Completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Construction Project General Aggregate Limit.

- D.** If the applicable designated construction project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the project will still be deemed to be the same construction project.
- E.** The provisions of Limits Of Insurance (SECTION III) not otherwise modified by this endorsement shall continue to apply as stipulated.

subcontractor. Contractor shall bind every subcontractor to, and every subcontractor must agree to be bound by the terms of, the Contract, as far as applicable to the subcontractor's work particularly pertaining to Prevailing Wages and EEO requirements. Nothing contained in the Agreement shall create any contractual relationship between any subcontractors and Owner, nor create any obligations on the part of the Owner to pay or see to the payment of any sums to any subcontractor.

34. **Real and/or Personal Property Tax Affidavit:** All bidders must complete the Real and/or Personal property tax affidavit (Section I) and submit with your bid. *This section should be fully completed whether or not you as a vendor/contractor own property in Warren County, Ohio.*
35. **Description of Project:**

See Section M
36. **Scope of Work:** Provide all work as required by Contract and described in the Specifications herein (Section M) as necessary to provide for project completion.
37. **Required Forms:** Each Bidder shall complete and submit the following forms with his/her bid:

Proposal Price (Bid) Sheet
Exception Sheet
Bidder Identification
Non-Collusion Affidavit
Bid Guaranty & Contract Bond
Experience Statement
Affidavit of Non-Delinquency of Taxes
Certificate of Compliance Non-Discrimination and Equal Employment Opportunity Affidavit
Findings for Recovery Affidavit
38. The successful Contractor may be required, at the request of the Owner, to submit a list of sub-contractors and suppliers for said project.
39. **Additional Obligations Upon Contract Award:** Upon award of the bid but prior to execution of the Contract and Notice to Proceed, the Contractor shall submit all of the following documents, completed as required:
 - 1) Contract
 - 2) Required Bonds
 - 3) Payment Draw Schedule (Required for Projects of \$500,000 or more)
 - 4) Certificates of Insurance
40. *Entire bid packet must be completed (except contract – Section F) and returned with bid proposal, as the entire bid packet becomes part of the contract documents.*
41. **STATEMENT: Do not submit confidential documents or documents of any type that contain trade secrets. All materials submitted become public records once opened and may be copied upon request to anybody including competitive bidders.**

AFFIDAVIT OF NONCOLLUSION

STATE OF _____
COUNTY OF _____

I, _____, holding the title and position of _____ at the firm _____, affirm that I am authorized to speak on behalf of the company, board directors and owners in setting the price on the contract, bid or proposal. I understand that any misstatements in the following information will be treated as fraudulent concealment of true facts on the submission of the contract, bid or proposal.

I hereby swear and depose that the following statements are true and factual to the best of my knowledge:

The contract, bid or proposal is genuine and not made on the behalf of any other person, company or client, INCLUDING ANY MEMBER OF THE WARREN COUNTY BOARD OF COMMISSIONERS.

The price of the contract, bid or proposal was determined independent of outside consultation and was not influenced by other companies, clients or contractors, INCLUDING ANY MEMBER OF THE WARREN COUNTY BOARD OF COMMISSIONERS.

No companies, clients or contractors, INCLUDING ANY MEMBER OF THE WARREN COUNTY BOARD OF COMMISSIONERS have been solicited to propose a fake contract, bid or proposal for comparative purposes.

No companies, clients or contractors, INCLUDING ANY MEMBER OF THE WARREN COUNTY BOARD OF COMMISSIONERS have been solicited to refrain from bidding or to submit any form of noncompetitive bidding.

Relative to sealed bids, the price of the bid or proposal has not been disclosed to any client, company or contractor, INCLUDING ANY MEMBER OF THE WARREN COUNTY BOARD OF COMMISSIONERS, and will not be disclosed until the formal bid/proposal opening date.

AFFIANT

Subscribed and sworn to before me this _____ day of _____ 20 _____

(Notary Public),

_____ County.

My commission expires _____ 20 _____

BID GUARANTY AND CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned,

(Insert full name or legal title of Contractor and Address)

as _____ Principal _____ and

(Insert full name or legal title of Surety)

as Surety, are hereby held and firmly bound unto the Warren County Board of Commissioners hereinafter called the Obligee, in the penal sum of the dollar amount of the bid submitted by the Principal to the Obligee on _____ to undertake the project known as:

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT PROJECT

The penal sum referred to herein shall be the dollar amount of the Principal's bid to the Obligee, incorporating any additive or deductive alternate proposals made by the Principal on the date referred to above to the Obligee, which are accepted by the Obligee, In no case shall the penal sum exceed the amount of _____ DOLLARS, \$ _____.

If this item is left blank, the penal sum will be the full amount of the Principal's bid, including alternates. Alternatively, if completed, the amount stated must not be less than the full amount of the bid, including alternates in dollars and cents. A percentage is not acceptable.

For the payment of the penal sum well and truly to be made we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns.

THE CONDITION OF THE ABOVE OBLIGATION IS SUCH that whereas the above named Principal has submitted a bid on the above referred to project;

NOW, THEREFORE, if the Obligee accepts the bid of the Principal and the Principal fails to enter into a proper contract in accordance with the bid, plans, details, specifications, and bills of material; and in the event the Principal pays to the Obligee the difference not to exceed ten percent of the penalty hereof between the amount specified in the bid and such larger amount for which the Obligee may in good faith contract with the next lowest bidder to perform the work covered by the bid; or in the event the Obligee does not award the contract to the next lowest bidder and resubmits the project for bidding, the Principal will pay the Obligee the difference not to exceed ten percent of the penalty hereof between the amount specified in the bid, or the costs, in connection with the resubmission, of printing new contract documents, required advertising, and printing and mailing notices to prospective bidders, whichever is less, then this obligation shall be null and void, otherwise to remain in full force and effect. If the Obligee accepts the bid of the Principal and within TEN days after the awarding of the contract, enters into a proper contract in accordance with the bid, plans, details, specifications, and bills of material, which said contract is made a part of this bond the same as though set forth herein; and

IF THE SAID PRINCIPAL SHALL well and faithfully perform each and every condition of such contract; and indemnify the Obligee against all damage suffered by failure to perform such contract according to the provisions thereof and in accordance with the plans, details, specifications, and bills of material therefore; and shall pay all lawful claims of subcontractors, materialmen, and laborers, for labor performed and materials furnished in the carrying forward, performing, or completing of

said contract: we agreeing and assenting that this undertaking shall be for benefit of any materialman or laborer having a just claim, as well as for the Obligee herein; **THEN THIS OBLIGATION SHALL** be void; otherwise the same shall remain in full force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall in no event exceed the penal amount of this obligation as herein stated.

THE SAID surety hereby stipulates and agrees that no modifications, omissions, or additions, in or to the terms of said contract or in or to the plans and specifications therefor shall in any wise affect the obligations of said surety on its bond, and it does hereby waive notice of any such modifications, omissions or additions to the terms of the contract or to the work or to the specifications.

SIGNED AND SEALED this _____ day of _____ 2020.

PRINCIPAL

SURETY

By: _____

By: _____

Attorney-in-fact

Title: _____

Surety Agent's Name and Address:

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called

(Corporation, Partnership or Individual)

Principal, and

(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto

WARREN COUNTY, OHIO BOARD OF COMMISSIONERS

406 Justice Drive

Lebanon, OH 45036

hereinafter called OWNER, in the penal sum of _____ Dollars, \$(_____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 2020, a copy of which is hereto attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the guaranty period(s), and if he/she shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition of the terms of the contract or the WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any way affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in counterparts, each one of which shall be deemed an original, this the _____ day of _____ 2020.

ATTEST:

(Principal)

(SEAL)

By _____

ATTEST:

(SEAL)

(Surety)

IMPORTANT: Pursuant to Ohio Revised Code §122.87(A) a surety company is defined as, “. . . a company that is authorized by the department of insurance to issue bonds as a surety”.

CONTRACT

THIS AGREEMENT, made this _____ day of _____, 2020, with the Warren County Board of Commissioners, 406 Justice Drive, Lebanon, Ohio hereinafter called "Owner" and **ENTER CONTRACTOR NAME AND ADDRESS HERE.**, doing businesses as (an individual, partner, a corporation) hereinafter called "Contractor."

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the Owner, the Contractor hereby agrees with the Owner to commence and complete the construction described as follows:

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT PROJECT

hereinafter called the project, for the sum of **\$ENTER AMOUNT AND WRITE IT OUT HERE** and all work in connection therewith, under the terms as stated in the Conditions of the Contract; and as his/her (its or their) own proper cost and expense furnish all the materials, supplies, machinery, equipment, tools, superintendence, labor insurance, and other accessories and services necessary to complete the said project in accordance with the conditions and prices stated in the Proposal, Conditions of the Contract, the Specifications and Contract Documents. "Contract Documents" means and includes the following:

- Proposal Price (Bid) Sheet
- Exception Sheet
- Bidder Identification
- A) Invitation to Bidders
- B) General Instruction to Bidders
- C) Noncollusion Affidavit
- D) Bid Guaranty & Contract Bond
- E) Performance Bond
- F) Contract
- G) Bonding & Insurance Requirements
- H) Experience Statement
- I) Affidavit of Non-Delinquency of Real and/or Personal Property Tax
- J) Equal Employment Opportunity Requirements, Bid Conditions and Non-discrimination and Equal Employment Opportunity Affidavit
- K) Findings for Recovery Affidavit Wage Rate Determination
- L) Wage Rate Determination
- M) Special Provision/Technical Specifications

The CONTRACTOR hereby agrees to commence work under this contract on or before a date to be specified in a Written "Notice to Proceed" of the OWNER, and to fully complete the project by August 23, 2020. The Contractor further agrees to pay, as liquidated damages, the sum of \$400.00 for each consecutive calendar day thereafter.

This Agreement may be terminated by either party upon written notice in the event of substantial failure by the other party to perform in accordance with the terms of this Agreement. The nonperforming party shall have fifteen calendar days from the date of the termination notice to cure or to submit a plan for cure acceptable to the other party.

OWNER may terminate or suspend performance of this Agreement for OWNER'S convenience upon a written notice to CONTRACTOR. CONTRACTOR shall terminate or suspend performance of the services/work on a schedule acceptable to OWNER.

The CONTRACTOR will indemnify and save the OWNER, their officers and employees, harmless from loss, expenses, costs, reasonable attorneys fees, litigation expenses, suits at law or in equity, causes of action, actions, damages, and obligations arising from (a) negligent, reckless or willful and wanton acts, errors or omissions by CONTRACTOR, its agents, employees, licensees, consultants or subconsultants; (b) the failure of the CONTRACTOR, its agents, employees, licensees, consultants or subconsultants to observe the applicable standard of care providing services pursuant to this agreement; (c) the intentional misconduct of the CONTRACTOR, its agents, employees, licensees, consultants or subconsultants that result in injury to persons or damage to property for which the OWNER may be held legally liable.

The CONTRACTOR does hereby agree to indemnify and hold the OWNER harmless for any and all sums for which the OWNER may be required to pay or for which the OWNER may be held responsible for failure of the CONTRACTOR or any subcontractor to pay the prevailing wage upon this project.

The OWNER agrees to pay the CONTRACTOR in the manner and at such times as set forth in the General Provisions such amounts as required by the Contract Documents.

This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

Contractor shall bind every subcontractor to, and every subcontractor must agree to be bound by the terms of, this Agreement, as far as applicable to the subcontractor's work particularly pertaining to Prevailing Wages and EEO requirements. Nothing contained in this Agreement shall create any contractual relationship between any subcontractor and Owner, nor create any obligations on the part of the Owner to pay or see to the payment of any sums to any subcontractor.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in two counterparts, each of which shall be deemed an original on the date first above written.

WARREN COUNTY BOARD OF COMMISSIONERS
(Owner)

David G. Young, President

ATTEST:

Tom Grossmann

Name

Shannon Jones

(Seal)

ATTEST:

ENTER CONTRACTOR NAME HERE
(Contractor)

By:

Name and Title

Approved as to Form:

Assistant Prosecutor

BONDING AND INSURANCE REQUIREMENTS

A state or local unit of government receiving a grant from the federal government which requires contracting for construction of facility improvement shall follow its own requirements relating to bid guarantees, performance bonds, and payment bonds, except for contracts or subcontracts exceeding \$100,000. For contracts or subcontracts exceeding \$100,000, the Federal agency may accept the bonding policy and requirements of the grantee provided the Federal agency has made a determination that the Government's interest is adequately protected. If such a determination has not been made, the minimum requirements shall be as follows:

- a. **A bid guaranty from each bidder.** The "bid guaranty" shall consist of a firm commitment such as a bid bond in the amount of one hundred (100) percent of the bid price, or ten (10) percent of the bid price if certified check or other negotiable instrument accompanying a bid, as assurance the bidder will, upon acceptance of his/her bid, execute such contractual documents as may be required within the time specified.
- b. **A performance bond on the part of the Contractor for 100 percent of the contract price.** A "performance bond" is one executed in connection with a contract to secure fulfillment of all the contractor's obligations under such contract.

SECTION I

*AFFIDAVIT OF NON-DELINQUENCY OF REAL
AND/OR PERSONAL PROPERTY TAX*

THIS SECTION SHOULD BE FULLY COMPLETED WHETHER OR NOT YOU AS A VENDOR/CONTRACTOR OWN PROPERTY IN WARREN COUNTY, OHIO.

AFFIDAVIT

STATE OF _____)
)
COUNTY OF _____) SS:

_____ being duly cautioned and sworn, states as follows:

1. That he/she is _____ of
(Title)

(Name of Contracting Party)

2. That _____ is not presently
(Name of Contracting Party)
charged with any delinquent Real and/or Personal property taxes on the general tax list of Real and/or Personal property of Warren County.

-OR-

1. That _____ is charged with
(Name of Contracting Party)

delinquent Real and/or Personal property tax on the general tax list of Real and/or Personal property of Warren County. The amount of delinquent Real and/or Personal property tax due and unpaid including any due and unpaid penalty and interest is:
\$ _____

Further, affiant states not.

Affiant

Sworn to and subscribed in my presence this ____ day of _____ 2020.

Notary Public

This instrument was prepared by _____.

Note to Fiscal Office: If any Real and/or Personal property taxes are delinquent, you must send a copy of this statement to the County Treasurer within 30 days of the date it is submitted.

WARNING: MAKING A FALSE STATEMENT ON THIS AFFIDAVIT MAY BE PUNISHABLE BY A FINE AND/OR IMPRISONMENT

SECTION J

***EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS,
BID CONDITIONS AND
NON-DISCRIMINATION AND EQUAL
EMPLOYMENT OPPORTUNITY AFFIDAVIT***

**EQUAL EMPLOYMENT OPPORTUNITY REQUIREMENTS
AND BID CONDITIONS FOR
WARREN COUNTY CONSTRUCTION PROJECTS**

CERTIFICATE OF COMPLIANCE FOR EEO PURPOSES: (This section applies only to projects that are funded with Federal and State monies)

All bidders on the project **shall** submit together with their bid, a copy of a valid Certificate of Compliance for Equal Employment Opportunity purposes contained herein.

A copy of the Certificate of Compliance is enclosed with this bid response? _____ Yes _____ No

BIDDER'S EEO COVENANTS:

Throughout its performance of any contract awarded to it on this project, the bidder agrees to the following covenants:

1. The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, ancestry or sex. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment without regard to their race, color, religion, national origin, ancestry or sex. Such action shall include, but is not limited to, the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.

The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor will in all solicitations or advertisements for employees placed by or on behalf of the prime contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, ancestry or sex.
3. The contractor agrees to fully cooperate with the County, the State Equal Employment Opportunity Coordinator and with any other official or agency, or the State or Federal government which seeks to eliminate unlawful employment discrimination, and with all other State and Federal efforts to assure equal employment practices under its contract and the contractor shall comply promptly with all requests and directions from the County, the State Equal Opportunity Coordinator and any of the State of Ohio officials and agencies in this regard, both before and during construction.
4. Full cooperation as expressed in clause (3), above, shall include, but not be limited to, being a witness and permitting employees to be witnesses and complainants in any proceedings involving questions of unlawful employment practices, furnishing all information requested by the County and the State Equal Employment Opportunity Coordinator, and permitting access to its books, records, and accounts by the County and the State Equal Employment Opportunity Coordinator for purposes of investigation to ascertain compliance with applicable rules, regulations and orders.
5. In the event of the contractor's noncompliance with the nondiscrimination clauses of its contract or with any of the said rules, regulations, or orders, its contract may be canceled,

terminated, or suspended in whole or in part and the contractor may be declared ineligible for further County construction contracts.

In the event that is contract is terminated for a material breach of EEO requirements, the contractor shall become liable for any and all damages which shall accrue to the County as a result of said breach.

6. The contractor will require the inclusion of language reflecting these same six covenants within every subcontract or purchase order it executes in the performance of its contract unless exempted by rules, regulations or orders of the State Equal Employment Opportunity Coordinator so that these provisions will be binding upon each subcontractor or vendor. The contractor will take such as the County may direct as a means of enforcing such provisions, including sanctions for noncompliance; provided, however, that in any litigation with a subcontractor, vendor or other party as a result of such direction by the County, the contractor may be requested to protect the interests of the County.

The bidder hereby adopts the foregoing covenants?

_____ Yes _____ No

PLEASE NOTE: *The bidder's failure to adopt the Bidder's EEO Covenants and complete the foregoing certification will cause the bidder's proposal to be rejected as being non-responsive.*

FINDINGS FOR RECOVERY AFFIDAVIT

STATE OF _____
COUNTY OF _____, SS:

_____, upon being duly cautioned and sworn, hereby states the following based on personal knowledge:

1) That he/she is _____ (title), of _____ (name of bidder) and authorized to execute this affidavit; and,

2) That _____ (name of bidder) is not a person or entity against whom a finding for recovery has been issued by the Auditor of State, which finding for recovery is unresolved as defined in Ohio Revised Code [General Provisions] Section 9.24 (B); and,

3) That _____ (name of bidder) does not appear in the database of unresolved findings of recovery maintained by the Auditor of State pursuant to Ohio Revised Code [General Provisions] Section 9.24 (D).

Affiant

Sworn to and subscribed in my presence this _____ day of _____, 2020.

Notary Public

My Commission expires: _____



Mike DeWine
Governor

Sheryl Maxfield
Director

PREVAILING WAGE GUIDE

WARREN COUNTY

OHIO DEPARTMENT OF COMMERCE

Division of Industrial Compliance
Bureau of Wage and Hour Administration
6606 Tussing Road, PO Box 4009
Reynoldsburg, Ohio 43068-9009
Phone: 614-644-2239
Fax: 614-728-8639
www.com.ohio.gov
TTY/TDD: 1-800-750-0750

The Ohio Department of Commerce is an Equal Opportunity Employer and Service Provider

This packet of information is provided as a summary of the Prevailing Wage guidelines and responsibilities. The Ohio Revised Code, Chapter 4115 should be referred to for the exact wording of the law. Also included are references and forms which should be helpful in the compliance of the Prevailing Wage Law.

PACKET INFORMATION INDEX

A. The Ohio Department of Commerce-Division of Industrial Compliance, Wage and Hour Administration Investigators and their assigned counties

1. The Wage and Hour Investigators for the State of Ohio are listed with their contact information.
 - a. If you have questions or need assistance pertaining to Prevailing Wage, you can contact the Investigator in your area.

B. Prevailing Wage Guide for Public Authorities

1. Notice of change of the Prevailing Wage Threshold Level.
 - a. A notification will be sent to you when there is a change of the Prevailing Wage threshold level
2. Outline of the Public Authority's responsibilities for Prevailing Wage.
3. Public Authority's Compliance Checklist form.
 - a. A form for tracking the progress of a Prevailing Wage project
4. Request form for Prevailing Wage Rates.
 - a. Prevailing Wage Rates can be obtained on the website www.com.ohio.gov
 - (1) Prevailing Wage Determination Schedule of wages must be attached to and made part of the specifications for the project, and must be printed on the bidding blanks where the work is done by contract.
5. Bid Tabulation form
 - a. A form to be completed and returned to ODOC-DIC-Bureau of Wage and Hour Administration when the contract has been awarded.
6. Prevailing Wage Bonds form
 - a. Information needed to be kept on file by the Prevailing Wage Coordinator when bonds from the Public Authority are used for a project.

C. Prevailing Wage Guidelines for the Public Authority's Coordinator

1. Guideline for the Prevailing Wage Coordinator
 - a. The Prevailing Wage complaint form and instructions can be obtained on the website www.com.ohio.gov
2. Record of the Certified Payroll Reports Received form
 - a. Helpful form for recording the Certified Payroll Reports and the dates received from the contractors and subcontractors.
3. Employee Interview form
 - a. Helpful form for the use by the Prevailing Wage Coordinator when making on-site visits.
4. Employee vs. Independent Contractor
 - a. Helpful questions when determining if a person is an Employee or an Independent Contractor.

D. Prevailing Wage Guide for Contractors

(Incorporate this section in the Specifications or supply copies for the pre-construction meeting.)

1. Outline of responsibilities for the Prevailing Wage Contractor
2. Notification form from the Contractor to the Employee
 - a. The contractor must submit to employees a completed and signed notification form.
 - b. Some Prevailing Wage Coordinators may require a copy of the completed Notification to the Employee form be submitted with the Certified Payroll Reports.
3. Certified Payroll Report form
 - a. The contractor can use any form/format he chooses as long as **ALL** the information has been provided.
4. Certified Payroll Report form instruction sheet
5. Corrected Certified Payroll Report Example
6. Affidavit of Compliance form
 - a. No Public Authority shall make final payment unless the **Final Affidavits** have been filed by the contractors and subcontractors.



Mike DeWine
Governor

Sheryl Maxfield
Director

INVESTIGATORS CONTACT INFORMATION

OHIO DEPARTMENT OF COMMERCE

Division of Industrial Compliance
Bureau of Wage and Hour Administration
6606 Tussing Road, PO Box 4009
Reynoldsburg, Ohio 43068-9009
Phone: 614-644-2239
Fax: 614-728-8639
www.com.ohio.gov
TTY/TDD: 1-800-750-0750

The Ohio Department of Commerce is an Equal Opportunity Employer and Service Provider

OHIO DEPARTMENT OF COMMERCE
 Division of Industrial Compliance
 Bureau of Wage and Hour Administration
 Chief, Stephen Clegg

6606 Tussing Road, PO Box 4009
 Reynoldsburg, Ohio 43068-9009
 614-644-2239
 fax: 614-728-8639
<http://www.com.ohio.gov>

INVESTIGATORS and THEIR HEADQUARTER COUNTY

<p>#48 Dave Horvath PO Box 1512 Lima, Ohio 45802-1512 Voice: (419) 302-1200 Fax: (614) 728-8639 Dave.Horvath@com.state.oh.us</p>	<p>Allen *</p>
<p>#30 Mike McKee P.O. Box 1342 Cambridge, Ohio 43725-2247 Voice/Fax: (740) 432-1987 Michael.McKee@com.state.oh.us</p>	<p>Guernsey*</p>
<p>#56 Shawn Miles P.O. Box 2547 North Canton, Ohio 44720 Voice/Fax: (614) 496-9076 Shawn.Miles@com.state.oh.us</p>	<p>Stark *</p>
<p>#37 David Rice P.O. Box 41241 Dayton, Ohio 45441 Voice: (740) 502-0883 Fax: (614) 995-7768 Dave.Rice@com.state.oh.us</p>	<p>Montgomery *</p>
<p>#35 Sean Seibert P.O. Box 422 Painesville, Ohio 44077-3938 Voice: (614) 557-8662 Fax: (614) 232-9541 Sean.Seibert@com.state.oh.us</p>	<p>Lake *</p>
<p>#11 Kela D. Thompson 6606 Tussing Rd, PO Box 4009 Reynoldsburg, Ohio 43068-9009 Voice: (614) 728-5007 Fax: (614) 232-9537 Kela.Thompson@com.state.oh.us</p>	<p>Franklin *</p>

* **Headquarter County**

<p>Stephen Clegg, Chief 6606 Tussing Road, PO Box 4009 Reynoldsburg, Ohio 43068-9009 Voice: (614) 728-8686 Fax: (614) 728-8639 Stephen.Clegg@com.state.oh.us</p>	<p>#90 Jackie Clark, Supervisor 6606 Tussing Rd, PO Box 4009 Reynoldsburg, Ohio 43068-9009 Voice: (614) 728-5019 Fax: (614) 222-2357 Jackie.Clark@com.state.oh.us</p>
---	---



Mike DeWine
Governor

Sheryl Maxfield
Director

PREVAILING WAGE GUIDE FOR PUBLIC AUTHORITIES

OHIO DEPARTMENT OF COMMERCE

Division of Industrial Compliance
Bureau of Wage and Hour Administration
6606 Tussing Road, PO Box 4009
Reynoldsburg, Ohio 43068-9009
Phone: 614-644-2239
Fax: 614-728-8639
www.com.ohio.gov
TTY/TDD: 1-800-750-0750

The Ohio Department of Commerce is an Equal Opportunity Employer and Service Provider

PREVAILING WAGE THRESHOLD LEVELS

IMPORTANT NOTICE

Before advertising for bids, contracting, or undertaking construction with its own forces, to construct a public improvement, the Public Authority shall have the Ohio Department of Commerce-Division of Industrial Compliance, Bureau of Wage and Hour Administration determine the prevailing rates of wages for workers employed on the public improvement. The wage determination must be included in the project specifications and printed on the bidding blanks where work is done by contract.

“New” construction threshold for <i>Building Construction</i>:	\$250,000
---	------------------

“Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting” threshold level for <i>Building Construction</i>:	\$75,000
---	-----------------

As of January 1, 2018:

“New” construction that involves <i>roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction</i> threshold level has been adjusted to:	\$91,150
---	-----------------

“Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting” that involves <i>roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction</i> threshold level has been adjusted to:	\$27,309
---	-----------------

- A) Thresholds are to be adjusted biennially by the Director of the Ohio Department of Commerce.
- B) Biennial adjustments to threshold levels are made according to the Building Cost for Skilled Labor Index published by McGraw-Hill’s Engineering News-Record, but may not increase or decrease more than 3% for any year.

If there are questions concerning this notification, please contact:

Ohio Department of Commerce
 Division of Industrial Compliance
 Bureau of Wage and Hour Administration
 6606 Tussing Road, PO Box 4009
 Reynoldsburg, Ohio 43068-9009
 Phone: 614-644-2239
 Fax: 614-728-8639
www.com.ohio.gov

Public Authority Responsibilities
ORC Chapter 4115: Wages and Hours on Public Works
(Prevailing Wage Coordinator)

1. Before advertising for bids, contracting, or undertaking construction with its own forces, to construct a public improvement, the public authority shall have the Ohio Department of Commerce, Division of Industrial Compliance, Bureau of Wage and Hour Administration determine the prevailing rates of wages for workers employed on the public improvement. The wage determination must be included in the project specifications and printed on the bidding blanks where work is done by contract.
 - a) "New" construction has a threshold level of **\$250,000**.
 - b) "Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting" has a threshold level of **\$75,000**.
 - c) "New" construction that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction has a threshold level of **\$84,314**.
 - d) "Reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting" that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction has a threshold of **\$25,261**.
 - i.) Thresholds are to be adjusted biennially by the Director of Ohio Department of Commerce, Division of Industrial Compliance, Bureau of Wage and Hour Administration.
 - ii.) Biennial adjustments to threshold levels are made according to the Price Deflator for Construction Index, United States Department of Commerce, Bureau of the Census, but may not increase or decrease more than 3% for any year.
2. Every contract for public work shall contain a provision that each worker employed by the contractor or subcontractor, or other person about or upon the public work, must be paid the prevailing rate of wages.
3. If contracts are not awarded or construction undertaken within ninety days (90) from the date of the determination of the prevailing wage there shall be a re-determination of the wage rates before the contract is awarded.
4. Within **seven (7) working days** after the receipt of notification of a change in the prevailing wage rates, the public authority shall notify all affected contractors and subcontractors. If it is determined that a contractor or subcontractor has violated sections 4115.03 to 4115.16 of the Ohio Revised Code because they were not notified as required, **the public authority is liable** for any back wages, fines, damages, court costs and attorney's fees for the period of time covering the receipt of wage changes, until they give the required notice.
5. No public authority shall award a contract for a public improvement to any contractor or subcontractor whose name appears on the list of debarred contractors. This list is filed with the Secretary of State by the Ohio Department of Commerce-Division of Industrial Compliance & Labor-Bureau of Wage and Hour Administration **The filing of the notice of conviction with the secretary of state constitutes notice to all public authorities.** These contractors are prohibited from working on public improvements for periods ranging from one to three years. The list of debarred contractors can be located on the website www.com.ohio.gov/laws
6. A public authority must designate and appoint **one of its own employees** to serve as the Prevailing Wage Coordinator during the life of the contract for constructing the public improvement. A Prevailing Wage Coordinator must be appointed no later than ten days before the first payment of wages by contractors to employees working on the public improvement.

PUBLIC AUTHORITY'S COMPLIANCE CHECKLIST FOR PREVAILING WAGE

Project:		Number:
Department:		Phone#:
PW Coordinator:		Phone#:
Architect/Engineer:		Phone#:
Contractor:		Phone#:
Contact Person:		Title:
General Contractor:		Prime Contractor:
		Construction Mgr:
Date Completed		Compliance Item Description
	1.	Request Prevailing Wage Determination Schedule from ODOC-DIC-Wage & Hour
	2.	Received Prevailing Wage Determination Schedule
	3.	Incorporate Determination Schedule in Specs./Bidding Blanks
	4.	Incorporate notice of Prevailing Wage requirements in Invitation for Bids/Notice to Bidders
	5.	Incorporate Prevailing Wage requirements in Contract
	6.	Submit complete Invitation for Bid to ODOC-DIC-Wage & Hour
	7.	Invitation for Bids
	8.	Bid Opening
	9.	Check Listing of Violators
	10.	Award of Contract. (see note)
	11.	Submit Bid Tabulation/Award to ODOC-DIC-WAGE & HOUR
	12.	Notice to Successful Bidder
	13.	Work Commenced...(see note)
	14.	Appoint Prevailing Wage Coordinator
	15.	Received list of Subcontractors' names, addresses, phone #'s & email's
	16.	Received Payroll Date Schedule
	17.	Received Registered Apprenticeship Agreement Certifications
	18.	Received Deduction Agreements
	19.	Received Payroll Reports with Certification...(see attachment)
	20.	Visited project site
	21.	Received Changes to Determination Schedule
	22.	Notice to Contractors of Determination Schedule change
	23.	Request Final Compliance Affidavit from contractors & subcontractors
	24.	Received Final Affidavits from all contractors & subcontractors
	25.	Certify Final Payment

Note: If contract is not awarded or construction undertaken within 90 days from the date of establishment of the Prevailing Wage Rates, a re-determination of the Prevailing Wage Rates is required.

REQUEST FOR STATE OF OHIO PREVAILING WAGE RATES

Date		(Mark (X) One)		<input type="checkbox"/> ~ Residential	<input type="checkbox"/> ~ Construction		
Project Information (only one project and one county per request form please)							
County of Project		Project Name		This form MUST be filled out COMPETELY & CORRECTLY for us to process your request. Forms not completed correctly will be RETURNED TO THE SENDER.			
Site Address		City					
Owner/Public Authority				Prevailing Wage Rates can be obtained on the website www.com.ohio.gov			
Address		Telephone Number		ODOC-DIC-WAGE & HOUR DATE STAMP			
City		Zip Code					
PW Coordinator		Telephone Number					
Issuing Authority of Bonds		Type of Financing					
Estimated Total Overall Project Cost						PLEASE MAIL THIS REQUEST TO: Ohio Department of Commerce Division of Industrial Compliance Bureau of Wage & Hour Administration 6606 Tussing Road, PO Box 4009 Reynoldsburg, Ohio 43068-9009 PHONE: (614) 644-2239 FAX: (614) 728-8639	
<input type="checkbox"/> New Construction		<input type="checkbox"/> "Old" Construction *					
A copy of this form will be returned to you with your wage rates. You must send that copy to us with your bid tabulations once the contract has been awarded.							
Expected Date of Contract Award							
Projected Completion Date							
Send Wage Rates to: (contractors are charged \$5.00 per county)				ODOC-DIC-W&H DATE STAMP (bid tab)			
<input type="checkbox"/> Mail		<input type="checkbox"/> Pick Up					
<input type="checkbox"/> Federal Express Account Number							
Name			Company or Public Authority				
Address							
City		Zip	Telephone Number				
* "Old" construction is reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting.							

BID TABULATION SHEET

Please attach a copy of your original dated and stamped **"Request for Prevailing Wage Rates"** with this **Bid Tabulation**. Please check mark which company was awarded the contract for the project.
(Note: **DO NOT SEND UNTIL THE CONTRACT HAS BEEN OFFICIALLY AWARDED.**)

Ohio Department of Commerce
Division of Industrial Compliance, Bureau of Wage & Hour
6606 Tussing Road, PO Box 4009
Reynoldsburg, Ohio 43068-9009
(Phone) 614-644-2239, (Fax) 614-728-8639 www.com.ohio.gov

Contracting Public Authority:

Project Name:

Project #:

Bid Date:

Estimate:

Contract Description: General HVAC Electrical Plumbing Asbestos Other:

AWARDED TO (CHECK)	LIST OF THE BIDDING CONTRACTORS	TOTAL BID AMOUNT
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		
<input type="checkbox"/>		

SUBMITTED BY

Print Name:

Title:

Telephone Number: ()

FAX #:

EMAIL:

Signature:

Date:

INDUSTRIAL DEVELOPMENT BONDS

Bond Projects require the Public Authority to keep the following information on file			
1. Type of Bonds issued:		Amount:	
2. The total cost of the Project:			
3. The other type of financing involved in the project:			
4. Portion of the project being constructed with each type of financing:			
5. Are Prevailing Wage Rates being applied to all construction on the project: <input type="checkbox"/> Yes <input type="checkbox"/> No			
6. The name of the political subdivision who issued the bonds:			
7. When were the bonds issued:			
8. For what purpose were the bonds issued:			
9. Who handles the funds once the bonds are sold:			
10. Who is the lending institution that purchased the bonds:			
11. How are the funds to be paid out:			
12. When are the funds to be paid out:			
13. Who is the Bond Council:			
14. Who has been appointed as the Prevailing Coordinator:			
PWC Address:			
City:	OHIO	Zip:	Telephone #:
15. Obtain a copy of the inducement and other official documents for the issuance of the bonds.			



Mike DeWine
Governor

Sheryl Maxfield
Director

PREVAILING WAGE GUIDELINES
FOR THE
PUBLIC AUTHORITY'S
PW COORDINATOR

OHIO DEPARTMENT OF COMMERCE

Division of Industrial Compliance and Labor

Bureau of Wage and Hour Administration

6606 Tussing Road, PO Box 4009

Reynoldsburg, Ohio 43068-9009

Phone: 614-644-2239

Fax: 614-728-8639

www.com.ohio.gov

TTY/TDD: 1-800-750-0750

The Ohio Department of Commerce is an Equal Opportunity Employer and Service Provider

Prevailing Wage Coordinator Guidelines

For more detailed information please refer to Chapter 4115 of the Ohio Revised Code

- A. Attend any pre-bid and/or pre-construction meetings.
 - 1. To explain the prevailing wage rate requirements.
 - 2. To explain the contractor's responsibilities.
- B. Set up and maintain files containing all contractors' and subcontractors' payroll reports, affidavits, and related documents. These files must be available for public inspection.
- C. Obtain from each contractor a list of their subcontractors' names, addresses, telephone numbers, and email addresses.
- D. Require each contractor and subcontractor to provide their project dates. This will be used to make a time schedule for receiving their certified payrolls.
- E. Obtain from each contractor, the name and address of their Bonding/Surety Company.
- F. Obtain from out-of-state corporations, the name and address of their Statutory Agent. (This agent must be located in the State of Ohio and registered with the Ohio Secretary of State.)
 - 1. Records made in connection with the public improvement must not be removed from the State of Ohio for the period of one year following the completion of the project.
- G. Supply contractors with any changes in the Prevailing Wage Rates.
- H. Within two weeks after the first pay, obtain a certified payroll report from each contractor. A certified report is one that is sworn to and signed by the contractor.
 - 1. If the job will exceed four months, all reports after the initial report can be filed once per month. (The initial report must be filed within two weeks.)
 - 2. If the job will last less than four months, all reports are to be filed weekly after the initial report.
- I. Establish and follow procedures to monitor compliance by contractors and subcontractors.
 - 1. Visit project to verify posting requirements and job classifications.
 - 2. Review certified payroll reports to ensure they are submitted in a timely fashion and complete with the following information for each employee:
 - a) Name, current address, and their social security number or last 4 when permitted
 - b) Classification (must be specific for laborers and operators, including level)
 - c) Hours worked on the project
 - d) Hourly rate
 - e) Fringe benefits, if applicable
 - f) Total hours worked for the week (all jobs)
 - g) Gross wages, all deductions, net pay
 - 3. Compare rates and fringes reported to rates in prevailing wage schedule.
- J. Upon completion of the project and prior to the final payment, require an affidavit of compliance from each contractor and subcontractor. **No public authority shall make final payment to any contractor or subcontractor unless the final affidavits have been filed by the respective contractor and subcontractor. (O.R.C. section 4115.07)**
- K. Report any non-compliance to Ohio Department of Commerce, Division of Industrial Compliance, Bureau of Wage & Hour Administration. The PW complaint form and instructions can be obtained on the website www.com.ohio.gov.

RECORD OF THE CERTIFIED PAYROLL REPORTS RECEIVED

Project:		Number:
Contractor:		Phone #: Email:
General Contractor:	Prime Contractor:	Subcontractor:
Date work commenced:	Completed:	Final Affidavit:

Payroll	Payroll Date	Date Received		Payroll	Payroll Date	Date Received
1				33		
2				34		
3				35		
4				36		
5				37		
6				38		
7				39		
8				40		
9				41		
10				42		
11				43		
12				44		
13				45		
14				46		
15				47		
16				48		
17				49		
18				50		
19				51		
20				52		
21				53		
22				54		
23				55		
24				56		
25				57		
26				58		
27				59		
28				60		
29				61		
30				62		
31				63		
32				64		

PREVAILING WAGE INVESTIGATION\EMPLOYEE INTERVIEW

Failure to complete this interview form may reduce our ability to recover back wages which may be owed to you.

Project:		Case #:	
Address:		City:	County:
Employee Name:		Last 4 digits of the SS#:	
Address:	City:	State:	Zip:
Telephone #: (Home)	(Work)	Email:	Best time to be reached:
Another source by which we can contact you. (Someone not living at your address):			
Name:		Relationship:	Telephone #:
Contractor's Name:		Telephone #:	
Address:		City:	State: Zip:
Date hired:	Date started on this project :	Approximate hours - Straight time:	Overtime:
Method of recording hours: <input type="checkbox"/> Time Card <input type="checkbox"/> Called into office		Recorded by: <input type="checkbox"/> Employee <input type="checkbox"/> Foreman	
Did you keep a personal record of your hours worked on this project? <input type="checkbox"/> Yes <input type="checkbox"/> No		Do you have check stubs? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Did anyone else keep a personal record ? <input type="checkbox"/> Yes <input type="checkbox"/> No		If yes, who:	
List your job classification(s):		<input type="checkbox"/> Journeyman <input type="checkbox"/> Helper <input type="checkbox"/> Apprentice - Level	
List your specific job duties:		List tools\equipment used:	
Hourly rate of pay for this project:		Your regular rate of pay:	
Fringe benefits paid by contractor: <input type="checkbox"/> None <input type="checkbox"/> Health Insurance <input type="checkbox"/> Life Insurance <input type="checkbox"/> Pension <input type="checkbox"/> Bonus ~ Vacation - Amount _____ <input type="checkbox"/> Holidays - Amount _____ <input type="checkbox"/> Apprenticeship training <input type="checkbox"/> Profit Sharing ~ Other (list): _____			
Did you work overtime? <input type="checkbox"/> Yes <input type="checkbox"/> No		Were hours over 40 per week paid at time and one half? <input type="checkbox"/> Yes <input type="checkbox"/> No	
When is your pay day?		Method of payment: <input type="checkbox"/> Check <input type="checkbox"/> Cash <input type="checkbox"/> Direct Deposit	
List names of co-workers on this project:			
Comments:		Please provide a detailed list of the dates, times and hours worked within each classification that may apply to the work performed on a separate sheet.	
SIGNATURE AND NOTARY			
Affiant is further informed that Section 2921.13 of the Ohio Revised Code provides a penalty of a misdemeanor of the first degree and that prosecution will be pursued of those persons who "knowingly swear or affirm the truth of a false statement when ...the statement is sworn or affirmed before a notary public..." Sworn to before me and subscribed by the said: _____ in my presence this _____ day of _____, 20_____. _____ Notary Public		I hereby certify that this is a true statement to the best of my knowledge and belief. Signature _____ Date _____ Return to: Ohio Department of Commerce Division of Industrial Compliance & Labor Bureau of Wage and Hour Administration 6606 Tussing Road P.O. Box 4009 Reynoldsburg, Ohio 43068-9009 (614) 644-2239 www.com.ohio.gov	
Signature of PW Coordinator:		Date:	

EMPLOYEE VS. INDEPENDENT CONTRACTOR

EMPLOYEE	↔	<input checked="" type="checkbox"/> YES	Does the employer have the right to control and direct worker?	<input type="checkbox"/> NO	↔	INDEPENDENT CONTRACTOR
EMPLOYEE	↔	<input checked="" type="checkbox"/> YES	Does the worker receive instructions about how and where the work is to be done instead of the employer merely specifying the desired result?	<input type="checkbox"/> NO	↔	INDEPENDENT CONTRACTOR
EMPLOYEE	↔	<input checked="" type="checkbox"/> YES	Is payment based on time spent rather than a set price for the work to be performed?	<input type="checkbox"/> NO	↔	INDEPENDENT CONTRACTOR
EMPLOYEE	↔	<input checked="" type="checkbox"/> YES	Does the worker devote virtually all his working time to the employer rather than offering services to the general public?	<input type="checkbox"/> NO	↔	INDEPENDENT CONTRACTOR
EMPLOYEE	↔	<input checked="" type="checkbox"/> YES	Does the worker performing services make their services available to the general public and/or other businesses?	<input type="checkbox"/> NO	↔	INDEPENDENT CONTRACTOR
EMPLOYEE	↔	<input checked="" type="checkbox"/> YES	Is there a continuing relationship between employer and worker?	<input type="checkbox"/> NO	↔	INDEPENDENT CONTRACTOR
EMPLOYEE	↔	<input checked="" type="checkbox"/> YES	Can the worker be discharged at will?	<input type="checkbox"/> NO	↔	INDEPENDENT CONTRACTOR
EMPLOYEE	↔	<input checked="" type="checkbox"/> YES	Did the employer train the worker for the job?	<input type="checkbox"/> NO	↔	INDEPENDENT CONTRACTOR
EMPLOYEE	↔	<input checked="" type="checkbox"/> YES	Does the employer have employees performing the same work as the independent contractor?	<input type="checkbox"/> NO	↔	INDEPENDENT CONTRACTOR

EMPLOYEE VS. INDEPENDENT CONTRACTOR-continued

EMPLOYEE ↔ YES NO ↔ INDEPENDENT CONTRACTOR
Does the worker perform services personally rather than delegating them to others?

EMPLOYEE ↔ YES NO ↔ INDEPENDENT CONTRACTOR
Does the employer set a specific time when the individual services are to be performed?

EMPLOYEE ↔ YES NO ↔ INDEPENDENT CONTRACTOR
Does the employer furnish the tools and materials used by the worker performing services?

EMPLOYEE ↔ YES NO ↔ INDEPENDENT CONTRACTOR
Is the employer assuming all the financial risk, rather than the worker making a significant financial investment in the job and having the opportunity to realize a profit or loss from the work?

EMPLOYEE ↔ NO YES ↔ INDEPENDENT CONTRACTOR
Does the individual performing the services publicly advertise these services in for example, the newspaper or yellow pages ?

EMPLOYEE ↔ NO YES ↔ INDEPENDENT CONTRACTOR
Does the individual performing the services have a business license?

EMPLOYEE ↔ NO YES ↔ INDEPENDENT CONTRACTOR
Does the individual performing the services operate d.b.a. or under a tradename?



Mike DeWine
Governor

Sheryl Maxfield
Director

PREVAILING WAGE GUIDE FOR CONTRACTORS

OHIO DEPARTMENT OF COMMERCE

Division of Industrial Compliance
Bureau of Wage and Hour Administration
6606 Tussing Road, PO Box 4009
Reynoldsburg, Ohio 43068-9009
Phone: 614-644-2239
Fax: 614-728-8639
www.com.ohio.gov
TTY/TDD: 1-800-750-0750

The Ohio Department of Commerce is an Equal Opportunity Employer and Service Provider

OHIO DEPARTMENT OF COMMERCE
 Division of Industrial Compliance
 Bureau of Wage and Hour Administration
 Chief, Stephen Clegg

6606 Tussing Road, PO Box 4009
 Reynoldsburg, Ohio 43068-9009
 614-644-2239
 fax: 614-728-8639
<http://www.com.ohio.gov>

INVESTIGATORS and THEIR HEADQUARTER COUNTY

<p>#48 Dave Horvath PO Box 1512 Lima, Ohio 45802-1512 Voice: (419) 302-1200 Fax: (614) 728-8639 Dave.Horvath@com.state.oh.us</p>	<p>Allen *</p>
<p>#30 Mike McKee P.O. Box 1342 Cambridge, Ohio 43725-2247 Voice/Fax: (740) 432-1987 Michael.McKee@com.state.oh.us</p>	<p>Guernsey*</p>
<p>#56 Shawn Miles P.O. Box 2547 North Canton, Ohio 44720 Voice/Fax: (614) 496-9076 Shawn.Miles@com.state.oh.us</p>	<p>Stark *</p>
<p>#37 David Rice P.O. Box 41241 Dayton, Ohio 45441 Voice/Fax: (740) 502-0883 Dave.Rice@com.state.oh.us</p>	<p>Montgomery *</p>
<p>#35 Sean Seibert P.O. Box 422 Painesville, Ohio 44077-3938 Voice: (614) 557-8662 Fax: (614) 232-9541 Sean.Seibert@com.state.oh.us</p>	<p>Lake *</p>
<p>#11 Kela D. Thompson 6606 Tussing Rd, PO Box 4009 Reynoldsburg, Ohio 43068-9009 Voice: (614) 728-5007 Fax: (614) 232-9537 kela.thompson@com.state.oh.us</p>	<p>Franklin *</p>

*** Headquarter County**

<p>Stephen Clegg, Chief 6606 Tussing Road, PO Box 4009 Reynoldsburg, Ohio 43068-9009 Voice: (614) 728-8686 Fax: (614) 728-8639 Stephen.Clegg@com.state.oh.us</p>	<p>#90 Jackie Clark, Supervisor 6606 Tussing Rd, PO Box 4009 Reynoldsburg, Ohio 43068-9009 Voice: (614) 728-5019 Fax: (614) 222-2357 Jackie.Clark@com.state.oh.us</p>
---	---



PREVAILING WAGE CONTRACTOR RESPONSIBILITIES

This is a summary of prevailing wage contractors' responsibilities. For more detailed information please refer to Chapter 4115 of the Ohio Revised Code

General Information

Ohio's prevailing wage laws apply to all public improvements financed in whole or in part by public funds when the total overall project cost is fairly estimated to be more than \$250,000 for new construction or \$75,000 for reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting.

Ohio's prevailing wage laws apply to all public improvements financed in whole or in part by public funds when the total overall project cost is fairly estimated to be more than \$91,150 for new construction that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction or \$27,309 for reconstruction, enlargement, alteration, repair, remodeling, renovation, or painting of a public improvement that involves roads, streets, alleys, sewers, ditches and other works connected to road or bridge construction.

- a) Thresholds are to be adjusted biennially by the Administrator of Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration
- b) Biennial adjustments to threshold levels are made according to the Price Deflator for Construction Index, United States Department of Commerce, Bureau of the Census*, but may not increase or decrease more than 3% for any year

Penalties for violation

Violators are to be assessed the wages owed, plus a penalty of 100% of the wages owed.

Intentional Violations

If an intentional violation is determined to have occurred, the contractor is prohibited from contracting directly or indirectly with any public authority for the construction of a public improvement. Intentional violation means "a willful, knowing, or deliberate disregard for any provision" of the prevailing wage law and includes but is not limited to the following actions:

- Intentional failure to submit payroll reports as required, or knowingly submitting false or erroneous reports.
- Intentional misclassification of employees for the purpose of reducing wages.
- Intentional misclassification of employees as independent contractors or as apprentices.
- Intentional failure to pay the prevailing wage.
- Intentional failure to comply with the allowable ratio of apprentices to skilled workers as required by the regulations established by Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration.
- Intentionally employing an officer, of a contractor or subcontractor, that is known to be prohibited from contracting, directly or indirectly, with a public authority.



Responsibilities

- A. Pay the prevailing rate of wages as shown in the wage rate schedules issued by the Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration, for the classification of work being performed.
1. Wage rate schedules include all modifications, corrections, escalations, or reductions to wage rates issued for the project.
 2. Overtime must be paid at time and one-half the employee's base hourly rate. Fringe benefits are paid at straight time rate for all hours including overtime.
 3. Prevailing wages must be paid in full without any deduction for food, lodging, transportation, use of tools, etc.; unless, the employee has voluntarily consented to these deductions in writing. The public authority and the Director of Ohio Department of Commerce, Division of Industrial Compliance and Labor, Bureau of Wage and Hour Administration - must approve these deductions as fair and reasonable. Consent and approval must be obtained before starting the project.
- B. Use of Apprentices and Helpers cannot exceed the ratios permitted in the wage rate schedules.
1. Apprentices must be registered with the U.S. Department of Labor Bureau of Apprenticeship and Training.
 2. Contractors must provide the Prevailing Wage Coordinator a copy of the Apprenticeship Agreement for each apprentice on the project.
- C. Keep full and accurate payroll records available for inspection by any authorized representative of the Ohio Department of Commerce, Division of Industrial Compliance, and Labor, Bureau of Wage and Hour Administration or the contracting public authority, including the Prevailing Wage Coordinator. Records should include but are not limited to:
1. Time cards, time sheets, daily work records, etc.
 2. Payroll ledger/journals and canceled checks\check register.
 3. Fringe benefit records must include program, address, account number, & canceled checks.
 4. Records made in connection with the public improvement must not be removed from the State for one year following the completion of the project.
 5. Out-of-State Corporations must submit to the Ohio Secretary of State the full name and address of their Statutory Agent in Ohio.
- D. Prevailing Wage Rate Schedule must be posted on the job site where it is accessible to all employees.
- E. Prior to submitting the initial payroll report, supply the Prevailing Wage Coordinator with your project dates to schedule reporting of your payrolls.
- F. Supply the Prevailing Wage Coordinator a list of all subcontractors including the name, address, and telephone number for each.
1. **Contractors are responsible for their subcontractors' compliance with requirements of Chapter 4115 of the Ohio Revised Code.**



**Department
of Commerce**

Division of Industrial Compliance

- G. Before employees start work on the project, supply them with written notification of their job classification, prevailing wage rate, fringe benefit amounts, and the name of the Prevailing Wage Coordinator for the project. A copy of the completed signed notification should be submitted to Prevailing Wage Coordinator.
- H. Supply all subcontractors with the Prevailing Wage Rates and changes.
- I. Submit certified payrolls within two (2) weeks after the initial pay period. Payrolls must include the following information:
 - 1. Employees' names, addresses, and social security numbers.
 - a. Corporate officers/owners/partners and any salaried personnel who do physical work on the project are considered employees. All rate and reporting requirements are applicable to these individuals.
 - 2. Employees' work classification.
 - a. Be specific about the laborers and/or operators (Group)
 - b. For all apprentices, show level/year and percent of journeyman's rate
 - 3. Hours worked on the project for each employee.
 - a. The number of hours worked in each day and the total number of hours worked each week.
 - 4. Hourly rate for each employee.
 - a. The minimum rate paid must be the wage rate for the appropriate classification. The Department's Wage Rate Schedule sets this rate.
 - b. All overtime worked is to be paid at time and one-half for all hours worked more than forty (40) per week.
 - 5. Where fringes are paid into a bona fide plan instead of cash, list each benefit and amount per hour paid to program for each employee.
 - a. When the amount contributed to the fringe benefit plan and the total number of hours worked by the employee on all projects for the year are documented, the hourly amount is calculated by dividing the total contribution of the employer by the total number of hours worked by the employee.
 - b. When the amount contributed to the fringe benefit is documented but not the total hours worked, the hourly amount is calculated by **dividing the total yearly contribution by 2080**.
 - 6. Gross amount earned on all projects during the pay period.
 - 7. Total deductions from employee's wages.
 - 8. Net amount paid.
- J. The reports shall be certified by the contractor, subcontractor, or duly appointed agent stating that the payroll is correct and complete; and that the wage rates shown are not less than those required by the O.R.C. 4115.
- K. Provide a Final Affidavit to the Prevailing Wage Coordinator upon the completion of the project.

PREVAILING WAGE NOTIFICATION to EMPLOYEE

4115.05... the contractor or subcontractor shall furnish each employee **NOT covered by a collective bargaining agreement** written notification of the job classification to which the employee is assigned, the prevailing wage determined to be applicable to that classification, separated into the hourly rate of pay and the fringe payments, and the identity of the prevailing wage coordinator appointed by the public authority. The contractor or subcontractor shall furnish the same notification to each affected employee every time the job classification of the employee is changed.

Project Name:	Job Number:
Contractor:	
Project Location:	
Prevailing Wage Coordinator	Employee
Public Authority:	Name:
Name of PWC:	Street:
Street:	City:
City:	State/Zip:
State/Zip:	Phone:
	Email:
Phone:	Last 4 Digits of SS #:

You will be performing work on this project that falls under these classifications. You will be paid the appropriate rate for the type of work you are performing.

Classification:	Prevailing Wage Rate Total Package:	Minus your fringe benefits *:	Your hourly base rate and overtime:
			/
			/
			/
			/
			/
			/
			/

Hourly fringe benefits paid on your behalf by this company (Yearly amount the company pays divided by 2080):

Fringe	Amount	Fringe	Amount
Health Insurance		Vacation	
Life Insurance		Holiday	
Pension		Sick Pay	
Other (Specify)		Training	
Other (Specify)		Total Hourly Fringes *	

Contractor's Signature:	Date:
Employee's Signature:	Date:

INSTRUCTIONS FOR PREPARING CERTIFIED PAYROLL REPORTS

General

Contractors and subcontractors are required by law to submit certified payroll reports for work on projects covered by Ohio's Prevailing Wage Law. This form meets the reporting requirements established by Ohio Revised Code Chapter 4115. The use of this form is not mandatory; employers may submit their own forms provided that all of the required information is included. This form may be reproduced, or additional copies obtained from:

Ohio Department of Commerce
Division of Industrial Compliance and Labor
Bureau of Wage & Hour Administration
6606 Tussing Rd, P. O. Box 4009
Reynoldsburg, OH 43068-9009
Phone: (614) 644-2239
www.com.ohio.gov

Certified Payroll Heading

Employer name and address: Company's full name and address... Indicate if the company is a subcontractor.

Subcontractor: Check and list the name of the General Contractor or Prime.

Project: Name and location of the project, including county.

Contracting Public Authority: Name and address of the contracting public authority... (Owner of the project).

Week Ending: Month, day, and year for the last day of the reporting period.

Payroll #: Indicate first, second, third, etc. payroll filed by the company for the project.

Page Indicator: number of pages included in the report.

Project Number: Determined by the public authority... if there is no number leave it blank.

Payroll Information by Column

- Employee Name, Address and Social Security number:** This information must be provided for all employees that perform physical labor on the project. Corporate officers, partners, and salaried employees are considered employees and must be paid the prevailing rate. Individual sole proprietors do not have to pay themselves prevailing rate but must report their hours on the project.
- Work Class:** List classification of work actually performed by employee. If unsure of work classification, consult the Ohio department of Commerce, Wage and Hour Bureau. Employees working more than one classification should have separate line entries for each classification. Indicate what year/level for Apprentices. Be specific when using laborer and operator classifications; for example, Backhoe Operator or Asphalt Laborer.
- Hours Worked, Day & Date:** In the first row of column 3 enter days of pay period example; M T W T H F S S. The second row is for the date that corresponds with each day for the pay period. In the employee information section enter the number of hours worked on the prevailing wage project and which day the hours were worked. Separate rows are labeled for (ST) straight time hours and (OT) overtime hours. All hours worked after 40, must be paid at the appropriate overtime rate.
- Project Total Hours:** Total the hours entered for pay period.
- Base Rate:** Enter actual rate per hour paid to the employee. The overtime hourly rate is time and one-half the base rate listed in the prevailing wage schedule plus fringe benefits at straight time rate. The prevailing wage schedule lists the base rate plus fringe benefit amounts. These amounts added together equal the total prevailing wage rate. Employers must pay this total amount in one of three ways.
 - Total rate may be paid in entirety in the base rate to the employee; in which case, the cash designation will be checked for fringe benefits.
 - Total rate may be paid as listed in prevailing wage rate schedule with total fringe amounts paid approved plans.
 - Total rate may be paid with a combination of base rate and fringe payments to approved plans in amounts other than those listed in schedule.
- Project Gross:** Enter total gross wages earned on the project for straight time and overtime. Project hours X base rate should equal project gross.
- Fringes:** If fringe benefits are paid in the hourly base rate, indicate this by marking the **Cash** space. If fringe benefits are paid to approved plans as listed in the prevailing wage rate schedule, mark the space **Approved Plans**. If fringe benefits are paid partially in the base rate and partially to approved plans, mark the space **Cash & Approved plans**. List the hourly amount paid to approved plans for each fringe. If payments are not made on a per hour basis, **calculate the hourly fringe credit by dividing the yearly employer contribution by** the lesser of: hours actually worked in the year (these must be documented) or **2080**. Fringe benefits include: **Employer's share** of health insurance, life insurance, retirement plan, bonus/profit sharing, sick pay, holiday pay, personal leave, vacation, and education/training programs. If unsure of a possible fringe benefit, contact the Ohio Department of Commerce - Division of Industrial Compliance and Labor - Bureau of Wage & Hour Administration.
- Total Hours All Jobs:** Total all hours worked during the pay period including non-prevailing wage jobs.
- Total Gross All Jobs:** Gross amount earned in the pay period for all hours worked.
- Self explanatory.
- Self explanatory.

Certified Payroll Report

Report for: _____ **Contract No.:** _____ **Payroll No.:** _____
Company:¹⁾ _____ **If Sub, GC/Prime Contractor Name:** _____ **Project Name & Location:** _____
Address: _____ **Public Authority (Owner):** _____ **Week Ending:** _____
City, State, Zip _____ **Phone No.:** _____ **Sheet:²⁾** _____ **of** _____

1. Employee Name, Address, & SS# (Last 4 digits if permitted)	2. Work Class ³⁾	3. Prevailing Wage Project Hours Worked - Day & Date	4. Total Hours	5. Base Rate	6. Project Gross	7. Fringes:				8. Total Hrs for all Jobs	Weekly Payroll Amount				
						H&W	Pens	Vac	Hol		Other	Total	9. Total Gross on All Jobs	10. Total Deductions	11. Net Pay on All Jobs
						<input type="checkbox"/> Cash <input type="checkbox"/> Approved Plans <input type="checkbox"/> Cash & Approved Plans									
	OT														
	ST														
	OT														
	ST														
	OT														
	ST														
	OT														
	ST														
	OT														
	ST														

1) By signing below, I certify that (1) I pay, or supervise the payment of the employees shown above; (2) during the pay period reported on this form, all hours worked on this project have been paid at the appropriate prevailing wage rate for the class of work done; (3) the fringe benefits have been paid as indicated above; (4) no rebates or deductions have been or will be made, directly or indirectly from the total wages earned, other than permissible deductions as defined in ORC Chapter 4115; and (5) apprentices are registered with the U.S. Dept. of Labor, Bureau of Apprenticeship and Training. I understand that the willful falsification of any of the above statements may subject the Contractor or Subcontractor to civil or criminal prosecution.

Type or Print Name and Title _____ Signature _____ Date _____

DO NOT REDO FORM AND CHANGE RATES IF AN ERROR HAS BEEN MADE! SUBMIT A CORRECTED REPORT

*** CORRECTED ***

Certified Payroll Report

Fill out all other areas of the form as usual

Total Hours being corrected for this indiv.

Difference in base rate & corrected base rate if applicable

Difference in fringes & corrected fringes if applicable.

The net paid will be the total of difference paid and the total hours being corrected. Provide check # in the margin.

Put the period that is being corrected, i.e.: Oct 26 to Nov 02, not individual weekly dates

Report for: Check if Subcontractor¹⁾ Contract No: _____ Payroll No: _____
 Company:¹⁾ _____ If Sub, GC/Prime Contractor Name: _____
 Address: _____ Project Name & Location: _____ Week Ending: _____
 City, State, Zip _____ Public Authority (Owner): _____ Sheet:²⁾ _____ of _____
 Phone No: _____

1. Employee Name, Address, & SS# (Last 4 digits if permitted)	2. Work Class ³⁾	3. Prevailing Wage Project Hours Worked - Day & Date	4. Total Hours	5. Base Rate	6. Project Gross	7. Fringes	8. Total Fringes					9. Total Gross on All Jobs	10. Total Deductions	11. Net Pay on All Jobs		
							Cash	Approved Plans	Cash & Approved Plans	H&W	Pens				Vac	Hol
Name Address Last 4 SSN		Class	OT	ST												
			OT	ST												
			OT	ST												
			OT	ST												
			OT	ST												
			OT	ST												
			OT	ST												
			OT	ST												
			OT	ST												
			OT	ST												

1) By signing below, I certify that: (1) I pay, or supervise the payment of the employees shown above; (2) during the pay period reported on this form, all hours worked on this project have been paid at the appropriate prevailing wage rate for the class of work done; (3) the fringe benefits have been paid as indicated above; (4) no rebates or deductions have been or will be made, directly or indirectly from the total wages earned, other than permissible deductions as defined in ORC Chapter 4115; and (5) apprentices are registered with the U.S. Dept. of Labor, Bureau of Apprenticeship and Training. I understand that the willful falsification of any of the above statements may subject the Contractor or Subcontractor to civil or criminal prosecution.

Type or Print Name and Title _____ Signature _____ Date _____
 Complete Sign

11/14/je ²⁾Attach additional sheets as necessary. ³⁾Type in continuous line, text will wrap.

Send cover letter stating what happened along with a signed letter from the employee acknowledging that they were underpaid, received payment, check or transaction number. Contractor provided cancelled endorsed bank check.

IMPORTANT NOTICE - This process may be different if the Public Authority is using LCPTracker or some other online system to collect Certified Payroll Report from the contractors.



Affidavit of Compliance

Prevailing Wages

I, _____ (Name of person signing affidavit) (Title)

do hereby certify that the wages paid to all employees of

_____ (Company Name)

for all hours worked on the

_____ (Project name and location)

project, during the period from _____ to _____ are in (Project Dates)

compliance with prevailing wage requirements of Chapter 4115 of the Ohio Revised Code. I further certify that no rebates or deductions have been or will be made, directly or indirectly, from any wages paid in connection with this project, other than those provided by law.

_____ (Signature of Officer or Agent)

Sworn to and subscribed in my presence this _____ day of _____, 20_____.

_____ (Notary Public)

The above affidavit must be executed and sworn to by the officer or agent of the contractor or subcontractor who supervises the payment of employees. This affidavit must be submitted to the owner (public authority) before the surety is released or final payment due under the terms of the contract is made.

Prevailing Wage Determination Cover Letter

County: ▾
 Determination Date: 05/11/2020
 Expiration Date: 08/11/2020

THE FOLLOWING PAGES ARE PREVAILING RATES OF WAGES ON PUBLIC IMPROVEMENTS FAIRLY ESTIMATED TO BE MORE THAN THE AMOUNT IN O.R.C. SEC. 4115.03 (b) (1) or (2), AS APPLICABLE.

Section 4115.05 provides, in part: "Where contracts are not awarded or construction undertaken within ninety days from the date of the establishment of the prevailing wages, there shall be a redetermination of the prevailing rate of wages before the contract is awarded." The expiration date of this wage schedule is listed above for your convenience only. This wage determination is not intended as a blanket determination to be used for all projects during this period without prior approval of this Department.

Section 4115.04, Ohio Revised Code provides, in part: "Such schedule of wages shall be attached to and made a part of the specifications for the work, and shall be printed on the bidding blanks where the work is done by contract..."

The contract between the letting authority and the successful bidder shall contain a statement requiring that mechanics and laborers be paid a prevailing rate of wage as required in Section 4115.06, Ohio Revised Code.

The contractor or subcontractor is required to file with the contracting public authority upon completion of the project and prior to final payment therefore an affidavit stating that he has fully complied with Chapter 4115 of the Ohio Revised Code.

The wage rates contained in this schedule are the "Prevailing Wages" as defined by Section 4115.03, Ohio Revised Code (the basic hourly rates plus certain fringe benefits). These rates and fringes shall be a minimum to be paid under a contract regulated by Chapter 4115 of the Ohio Revised Code by contractors and subcontractors. The prevailing wage rates contained in this schedule include the effective dates and wage rates currently on file. In cases where future effective dates are not included in this schedule, modifications to the wage schedule will be furnished to the Prevailing Wage Coordinator appointed by the public authority as soon as prevailing wage rates increases are received by this office.

"There shall be posted in a prominent and accessible place on the site of work a legible statement of the Schedule of Wage Rates specified in the contract to the various classifications of laborers, workmen, and mechanics employed, said statement to remain posted during the life of such contract." Section 4115.07, Ohio Revised Code.

Apprentices will be permitted to work only under a bona fide apprenticeship program if such program exists and if such program is registered with the Ohio Apprenticeship Council.

Section 4115.071 provides that no later than ten days before the first payment of wages is due to any employee of any contractor or subcontractor working on a contract regulated by Chapter 4115, Ohio Revised Code, the contracting public authority shall appoint one of his own employees to act as the prevailing wage coordinator for said contract. The duties of the prevailing wage coordinator are outlined in Section 4115.071 of the Ohio Revised Code.

Section 4115.05 provides for an escalator in the prevailing wage rate. Each time a new rate is established, that rate is required to be paid on all ongoing public improvement projects.

A further requirement of Section 4115.05 of the Ohio Revised Code is: "On the occasion of the first pay date under a contract, the contractor shall furnish each employee not covered by a collective bargaining agreement or understanding between employers and bona fide organizations of Labor with individual written notification of the job classification to which the employee is assigned, the prevailing wage determined to be applicable to that classification, separated into the hourly rate of pay and the fringe payments, and the identity of the prevailing wage Coordinator appointed by the public authority. The contractor or subcontractor shall furnish the same notification to each affected employee every time the job classification of the employee is changed."

Work performed in connection with the installation of modular furniture may be subject to prevailing wage.

THIS PACKET IS NOT TO BE SEPARATED BUT IS TO REMAIN COMPLETE AS IT IS SUBMITTED TO YOU. (Reference guidelines and forms are included in this packet to be helpful in the compliance of the Prevailing Wage law.)
 wh1500

Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 50 Zone 1

Change # : LCN01-2020fbLoc50

Craft : Asbestos Worker Effective Date : 03/25/2020 Last Posted : 03/25/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Asbestos Insulation Mechanic	\$32.33		\$7.45	\$7.24	\$0.44	\$0.00	\$2.50	\$0.15	\$0.00	\$0.00	\$50.11	\$66.28
Firestop Technician	\$32.33		\$7.45	\$7.24	\$0.44	\$0.00	\$2.50	\$0.15	\$0.00	\$0.00	\$50.11	\$66.28
Apprentice	Percent											
1st year	52.83	\$17.08	\$7.21	\$0.00	\$0.40	\$0.00	\$0.00	\$0.15	\$0.00	\$0.00	\$24.84	\$33.38
2nd year	63.23	\$20.44	\$7.21	\$0.91	\$0.40	\$0.00	\$0.00	\$0.15	\$0.00	\$0.00	\$29.11	\$39.33
3rd year	72.65	\$23.49	\$7.21	\$1.81	\$0.40	\$0.00	\$0.30	\$0.15	\$0.00	\$0.00	\$33.36	\$45.10
4th year	83.05	\$26.85	\$7.21	\$1.81	\$0.40	\$0.00	\$0.30	\$0.15	\$0.00	\$0.00	\$36.72	\$50.15

Special Calculation Note : Other is Industry Fund.

Ratio :

4 Journeymen to 1 Apprentice Company Wide
except no apprentice may work on the jobsite without a Mechanic

Jurisdiction (* denotes special jurisdictional note) :

ATHENS, AUGLAIZE, BUTLER*, CLINTON, CRAWFORD, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GUERNSEY, HARDIN, HOCKING, KNOX, LICKING, LOGAN, MADISON, MARION, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, ROSS, SHELBY, UNION, VINTON, WARREN*

Special Jurisdictional Note : Township of Butler County-Townships of Lemon and Madison. Warren County-Township of Cleer Creek, Franklin, Massie, Turtle Creek and Wayne

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 8 Heat & Frost Insulators

Change # : LCN01-2020fbAsbLoc8

Craft : Asbestos Worker Effective Date : 03/01/2020 Last Posted : 02/26/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Asbestos Insulators	\$30.07		\$6.89	\$9.35	\$0.41	\$0.00	\$2.10	\$0.00	\$0.00	\$0.00	\$48.82	\$63.86
Apprentice	Percent											
1st year	45.90	\$13.80	\$6.89	\$5.10	\$0.41	\$0.00	\$2.10	\$0.00	\$0.00	\$0.00	\$28.30	\$35.20
2nd year	53.20	\$16.00	\$6.89	\$6.65	\$0.41	\$0.00	\$2.10	\$0.00	\$0.00	\$0.00	\$32.05	\$40.05
3rd year	58.20	\$17.50	\$6.89	\$6.65	\$0.41	\$0.00	\$2.10	\$0.00	\$0.00	\$0.00	\$33.55	\$42.30
4th year	63.20	\$19.00	\$6.89	\$6.65	\$0.41	\$0.00	\$2.10	\$0.00	\$0.00	\$0.00	\$35.05	\$44.56

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

- 1 Journeymen to 1 Apprentice
- 2 Journeymen to 2 Apprentice
- 3 Journeymen to 3 Apprentice
- 3 Journeymen to 1 Apprentice there After

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, BROWN, BUTLER*, CLERMONT,
HAMILTON, HIGHLAND, WARREN*

Special Jurisdictional Note :

In Butler County: townships of Fairfield, Hanover, Liberty, Milford, Morgan, Oxford, Ripley, Ross, St. Clair, Union & Wayne. In Warren County: Townships of Deerfield, Hamilton, Harlan, Salem, Union & Washington

Details :

All work in connection with Asbestos Removal, Abatement, Encapsulation, Lead Abatement, Hazardous Materials and Fire Stopping which is performed by employees in the Mechanic or Apprentice Classification shall be covered under the terms of this Agreement.

Prevailing Wage Rate Skilled Crafts

Name of Union: Asbestos Local 207 OH

Change # : LCN01-2018fbLoc207OH

Craft : Asbestos Worker Effective Date : 08/23/2018 Last Posted : 08/23/2018

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Asbestos Abatement	\$25.50	\$7.25	\$6.45	\$0.65	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$39.92	\$52.67
Trainee	\$16.50	\$7.25	\$1.50	\$0.65	\$0.00	\$0.00	\$0.07	\$0.00	\$0.00	\$25.97	\$34.22

Special Calculation Note :

Ratio :

3 Journeymen to 1 Trainee

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA*, ATHENS, AUGLAIZE, BROWN, BUTLER*, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARDIN, HARRISON, HIGHLAND, HOCKING, HOLMES, HURON, KNOX, LAKE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MIAMI, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PORTAGE, PREBLE, RICHLAND, ROSS, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN*, WAYNE

Special Jurisdictional Note : Butler County:(townships of

Fairfield, Hanover, Liberty, Milford, Morgan, Oxford, Ripley, Ross, StClair, Union & Wayne.) (Lemon & Madison) Warren County: (townships of: Deerfield, Hamilton, Harlan, Salem, Union & Washington). (Clear Creek, Franklin, Mossie, Turtle Creek & Wayney). Ashtabula County: (post offices & townships of Ashtabula, Austinburg, Geneva, Harperfield, Jefferson, Plymouth & Saybrook) (townships of Andover, Cherry Valley, Colbrook, Canneaut, Denmark, Dorset, East Orwell, Hartsgrrove, Kingville, Lenox, Monroe, Morgan, New Lyme, North Kingsville, Orwell, Pierpoint, Richmond Rock Creek, Rome, Sheffield, Trumbull, Wayne, Williamsfield & Windsor) Erie County:(post offices & townships of Berlin, Berlin Heights, Birmingham, Florence ,Huron, Milan, Shinrock & Vermilion)

Details :

Asbestos & lead paint abatement including, but not limited to the removal or encapsulation of asbestos & lead paint, all work in conjunction with the preparation of the removal of same & all work in conjunction with the clean up after said removal. The removal of all insulation materials, whether they contain asbestos or not, from mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) is recognized as being the exclusive work of the Asbestos Abatement Workers.

On all mechanical systems (pipes, boilers, ducts, flues, breaching, etc.) that are going to be demolished, the removal of all insulating materials whether they contain asbestos or not shall be the exclusive work of the Laborers. An Abatement Journeyman is anyone who has more than 300 hours in the Asbestos Abatement field.

Prevailing Wage Rate Skilled Crafts

Name of Union: Boilermaker Local 105

Change # : LCN02-2013fbLoc 105

Craft : Boilermaker Effective Date : 10/01/2013 Last Posted : 09/25/2013

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Boilermaker	\$35.26		\$7.07	\$13.28	\$0.89	\$0.00	\$3.00	\$0.55	\$0.00	\$0.00	\$60.05	\$77.68
Apprentice	Percent				*							
1st 6 months	70.03	\$24.69	\$7.07	\$11.30	\$0.89	\$0.00	\$2.10	\$0.55	\$0.00	\$0.00	\$46.60	\$58.95
2nd 6 months	75.02	\$26.45	\$7.07	\$11.30	\$0.89	\$0.00	\$2.25	\$0.55	\$0.00	\$0.00	\$48.51	\$61.74
3rd 6 months	80.00	\$28.21	\$7.07	\$11.30	\$0.89	\$0.00	\$2.40	\$0.55	\$0.00	\$0.00	\$50.42	\$64.52
4th 6 months	85.02	\$29.98	\$7.07	\$11.30	\$0.89	\$0.00	\$2.55	\$0.55	\$0.00	\$0.00	\$52.34	\$67.33
5th 6 months	87.52	\$30.86	\$7.07	\$13.28	\$0.89	\$0.00	\$2.63	\$0.55	\$0.00	\$0.00	\$55.28	\$70.71
6th 6 months	90.03	\$31.74	\$7.07	\$13.28	\$0.89	\$0.00	\$2.70	\$0.55	\$0.00	\$0.00	\$56.23	\$72.11
7th 6 months	92.50	\$32.62	\$7.07	\$13.28	\$0.89	\$0.00	\$2.78	\$0.55	\$0.00	\$0.00	\$57.19	\$73.49
8th 6 months	95.00	\$33.50	\$7.07	\$13.28	\$0.89	\$0.00	\$2.85	\$0.55	\$0.00	\$0.00	\$58.14	\$74.89

Special Calculation Note : Other is Supplemental Health and Welfare

Ratio :

5 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ATHENS, BROWN, BUTLER,
CHAMPAIGN, CLARK, CLERMONT, CLINTON,
FAIRFIELD, FAYETTE, FRANKLIN, GALLIA,
GREENE, GUERNSEY, HAMILTON, HIGHLAND,
HOCKING, JACKSON, LAWRENCE, LICKING,
MADISON, MEIGS, MIAMI, MONTGOMERY,
MORGAN, MUSKINGUM, NOBLE, PERRY,
PICKAWAY, PIKE, PREBLE, ROSS, SCIOTO,
VINTON, WARREN

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Boilermaker Local 154

Change # : LCN01-2012kpLoc 154

Craft : Boilermaker Effective Date : 03/22/2012 Last Posted : 03/22/2012

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Boilermaker	\$36.17		\$8.57	\$11.28	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$62.56	\$80.65
Trainee 60%	\$23.25		\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$41.95	\$53.57
Trainee 70%	\$27.13		\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$45.83	\$59.40
Trainee 80%	\$31.00		\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$49.70	\$65.20
Trainee 90%	\$34.88		\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$53.58	\$71.02
Apprentice Registered After 11/01/2005	Percent											
1st 6 months	60.00	\$21.70	\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$40.40	\$51.25
2nd 6 months	65.00	\$23.51	\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$42.21	\$53.97
3rd 6 months	70.00	\$25.32	\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$44.02	\$56.68
4th 6 months	75.00	\$27.13	\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$45.83	\$59.39
5th 6 months	80.00	\$28.94	\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$47.64	\$62.10
6th 6 months	85.00	\$30.74	\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$49.44	\$64.82
7th 6 months	90.00	\$32.55	\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$51.25	\$67.53
8th 6 months	95.00	\$34.36	\$8.57	\$3.59	\$0.55	\$0.00	\$4.25	\$0.34	\$0.00	\$1.40	\$53.06	\$70.24

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :
5 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :
BUTLER, COLUMBIANA, FAYETTE, JEFFERSON,
LAWRENCE, MERCER, WARREN, WASHINGTON

Special Jurisdictional Note :

Details :

Work includes but not limited to: boiler making, acetylene burning, riveting, chipping, caulking, rigging, fitting-up, grinding, reaming, impact machine operating, unloading, and handling of boilermaker's material and equipment. Boilermakers, Blacksmiths, Forgers, Iron Shipbuilders

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 18

Change # : LCN01-2019fbLoc18

Craft : Bricklayer Effective Date : 06/05/2019 Last Posted : 06/05/2019

Classification	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Bricklayer	\$28.66		\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.32	\$57.65
Stone Mason	\$28.66		\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.32	\$57.65
Pointer Caulker Cleaner	\$28.66		\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.32	\$57.65
Refractory Workers	\$29.66		\$8.75	\$5.38	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.31	\$59.14
Refractory Worker Hot Pay	\$31.66		\$8.75	\$5.38	\$0.52	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.31	\$62.14
Sawman	\$28.91		\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.57	\$58.03
Layout Man	\$28.91		\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.57	\$58.03
Free Standing Chimney	\$29.16		\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.82	\$58.40
Apprentice	Percent											
1st 6 months	60.00	\$17.20	\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.86	\$40.45
2nd 6 months	65.00	\$18.63	\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.29	\$42.60
3rd 6 months	70.00	\$20.06	\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.72	\$44.75
4th 6 months	75.00	\$21.50	\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.16	\$46.90
5th 6 months	80.00	\$22.93	\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.59	\$49.05
6th 6 months	85.00	\$24.36	\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.02	\$51.20
7th 6 months	90.00	\$25.79	\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.45	\$53.35
8th 6 months	95.00	\$27.23	\$8.75	\$5.38	\$0.53	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.89	\$55.50
MASON FINISHER 1st 180 Days	45.00	\$12.90	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.90	\$19.35
	45.00	\$12.90	\$8.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21.65	\$28.10

1st Year H&W after 6 months												
2nd Year	50.00	\$14.33	\$8.75	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$23.08	\$30.25

Special Calculation Note : **In order to utilize a Pre-Apprentice, you must have 1 Registered Apprentice in your employ.

Ratio :

- 1-2 Journeyman to 1 Apprentice
- 3-4 Journeyman to 2 Apprentice
- 5-6 Journeyman to 2 Apprentice
- 7-10 Journeyman to 3 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, HAMILTON, PREBLE*, WARREN

- 1 Apprentice permits 1 Mason Trainee
- 2 Apprentice permits 1 Mason Trainee
- 3 Apprentice permits 2 Mason Trainees
- 4 Apprentice permits 2 Mason Trainees

For each additional 5 Journeyman to 1 Apprentice, for every 3 additional Apprentices, 1 Mason Finisher may be added

Special Jurisdictional Note : In Preble County the following townships are included: (Dixon, Gasper, Graits, Israel, Lanier and Somers)

Details :

MASON FINISHER: duties shall be to work in all aspects of Masonry construction taking direction from the employer and the Journeyman Bricklayer & Stone Mason's working on the job. Mason Finisher's may work on job site only when a registered apprentice is on job and the ratios in table above will strictly be enforced.

Refractory work is classified as working with any of the following materials:
Acid brick, carbon black brick or carbon black block, firebrick grinding, plastics (with a gun) and any resinous cement.

Fifty cents (\$0.50) per hour above scale shall be paid to employees working on free standing industrial or institutional chimneys which are completely detached from any building structure.

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 18 Tile Finisher

Change # : LCN01-2019fbLoc18

Craft : Bricklayer Effective Date : 09/04/2019 Last Posted : 09/04/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Bricklayer Tile Marble Terrazzo Finisher	\$24.69		\$9.22	\$5.10	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.51	\$51.86
Terrazzo Base Grinder	\$25.19		\$9.22	\$5.10	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.01	\$52.61
Marble Sander Polisher	\$24.79		\$9.22	\$5.10	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.61	\$52.01
Apprentices	Percent											
1st 6 months 0-600 hrs	60.00	\$14.81	\$9.22	\$5.10	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.63	\$37.04
2nd 6 months 601-1200 hrs	65.00	\$16.05	\$9.22	\$5.10	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.87	\$38.89
3rd 6 months 1201-1800 hrs	70.00	\$17.28	\$9.22	\$5.10	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.10	\$40.74
4th 6 months 1801-2400 hrs	75.00	\$18.52	\$9.22	\$5.10	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.34	\$42.60
5th 6 months 2401-3000 hrs	80.00	\$19.75	\$9.22	\$5.10	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.57	\$44.45
6th 6 months 3001-3600	90.00	\$22.22	\$9.22	\$5.10	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.04	\$48.15
1-30 Days Prior to Entering Apprenticeship	50.00	\$12.35	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$12.35	\$18.52

Special Calculation Note : Classification title contains "Bricklayer" because contract originates within the Bricklayer Local.

Note that the classification description is clarified after the local union number at the top of the page. **In order to utilize a Pre-Apprentice, you must have 1 Registered Apprentice in your employ.**

Ratio :

- 1 Journeyman to 1 Apprentice
- 5 Journeymen to 1 Apprentice
- 10 Journeymen to 2 Apprentices
- 15 Journeymen to 3 Apprentices
- 20 Journeymen to 4 Apprentices
- 25 Journeymen to 5 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

- ADAMS, BROWN, BUTLER, CLERMONT, GALLIA,
- HAMILTON, LAWRENCE, PREBLE*, SCIOTO,
- WARREN, WARREN*

Special Jurisdictional Note : Warren in the townships of Dixon, Gasper, Isrsel, Somers & Gratis in Preble County

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Bricklayer Local 18 Tile Mechanic

Change # : LCN01-2019fbLoc18

Craft : Bricklayer Effective Date : 09/04/2019 Last Posted : 09/04/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Bricklayer Tile Terrazzo Marble Mason Mechanic	\$29.24		\$9.22	\$5.10	\$0.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.10	\$58.72
Marble Layout Work	\$29.74		\$9.22	\$5.10	\$0.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.60	\$59.47
Swing Scaffold Worker	\$30.74		\$9.22	\$5.10	\$0.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$45.60	\$60.97
Apprentice after 2 years (2400 hrs) as Apprentice Finisher												
5th/6 Months 0-600 hrs.	70.00	\$20.47	\$9.22	\$5.10	\$0.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.33	\$45.56
6th/6 months 601-1200 hrs.	75.00	\$21.93	\$9.22	\$5.10	\$0.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.79	\$47.75
7th/6 months 1201-1800 hrs.	80.00	\$23.39	\$9.22	\$5.10	\$0.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.25	\$49.95
8th/6 months 1801-2400 hrs.	90.00	\$26.32	\$9.22	\$5.10	\$0.54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.18	\$54.33

Special Calculation Note : Classification title contains "Bricklayer" because contract originates within the Bricklayer Local. Note that the classification description is clarified after the local union number at the top of the page.

Ratio :

- 1 Journeyman to 1 Apprentice
- 5 Journeymen to 1 Apprentice
- 10 Journeymen to 2 Apprentices
- 15 Journeymen to 3 Apprentices
- 20 Journeymen to 4 Apprentices
- 25 Journeymen to 5 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

- ADAMS, BROWN, BUTLER, CLERMONT, GALLIA,
- HAMILTON, LAWRENCE, PREBLE*, SCIOTO, WARREN

Special Jurisdictional Note : In Preble County the Townships of Dixon, Israel, Gasper, Lanier, Somers and Gratis.

Details :

In order to utilize a Pre-Apprentice, you must have 1 Registered Apprentice in your employ.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter & Pile Driver SW District HevHwy

Change # : LCN01-2020fbLoc126

Craft : Carpenter Effective Date : 05/07/2019 Last Posted : 05/07/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter	\$31.01		\$7.89	\$6.95	\$0.40	\$0.00	\$2.82	\$0.12	\$0.00	\$0.00	\$49.19	\$64.70
Pile Driver	\$29.34		\$6.63	\$6.95	\$0.40	\$0.00	\$1.97	\$0.10	\$0.00	\$0.00	\$45.39	\$60.06
Apprentice	Percent											
1st 6 Months	60.00	\$18.61	\$7.89	\$6.95	\$0.40	\$0.00	\$2.82	\$0.12	\$0.00	\$0.00	\$36.79	\$46.09
2nd 6 Months is 1st year	65.00	\$20.16	\$7.89	\$6.95	\$0.40	\$0.00	\$2.82	\$0.12	\$0.00	\$0.00	\$38.34	\$48.41
3rd 6 Months	70.00	\$21.71	\$7.89	\$6.95	\$0.40	\$0.00	\$2.82	\$0.12	\$0.00	\$0.00	\$39.89	\$50.74
4th 6 Months is 2 years	75.00	\$23.26	\$7.89	\$6.95	\$0.40	\$0.00	\$2.82	\$0.12	\$0.00	\$0.00	\$41.44	\$53.07
5th 6 Months	80.00	\$24.81	\$7.89	\$6.95	\$0.40	\$0.00	\$2.82	\$0.12	\$0.00	\$0.00	\$42.99	\$55.39
6th 6 Months is 3 years	85.00	\$26.36	\$7.89	\$6.95	\$0.40	\$0.00	\$2.82	\$0.12	\$0.00	\$0.00	\$44.54	\$57.72
7th 6 Months	90.00	\$27.91	\$7.89	\$6.95	\$0.40	\$0.00	\$2.82	\$0.12	\$0.00	\$0.00	\$46.09	\$60.04
8th 6 Months is 4 years	95.00	\$29.46	\$7.89	\$6.95	\$0.40	\$0.00	\$2.82	\$0.12	\$0.00	\$0.00	\$47.64	\$62.37

Special Calculation Note : Other is UBC National Fund.

Ratio :

1 Journeymen to 1 Apprentice

An employer shall have the right to employ one (1) Apprentice for one (1) Journeyman Carpenter in its employment for the first Apprentice employed, and 1 (1) Apprentice for two (2) Journeyman Carpenter for additional Apprentices employed.

Thereafter, every third additional carpenter hired shall be

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CHAMPAIGN, CLARK, CLERMONT, CLINTON, DARKE, GREENE, HAMILTON, LOGAN, MIAMI, MONTGOMERY, PREBLE, SHELBY, WARREN

an apprentice, if available, and if practical for the type of work being performed.

Special Jurisdictional Note :

Details :

Highway Construction, Airport Construction, Heavy Construction but not limited to:(tunnels,subways,drainage projects,flood control,reservoirs). Railroad Construction,Sewer Waterworks & Utility Construction but not limited to: (storm sewers, waterlines, gaslines). Industrial & Building Site, Power Plant, Amusement Park, Athletic Stadium Site, Sewer and Water Plants.

When the Contractor furnishes the necessary underwater gear for the Diver, the Diver shall be paid one and one half (1&1/2) times the journeyman rate for the time spent in the water.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter & Pile Driver
SW Zone 2

Change # : LCN01-2020fbLoc126

Craft : Carpenter Effective Date : 06/18/2020 Last Posted : 06/18/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter	\$27.87		\$7.81	\$6.95	\$0.38	\$0.00	\$1.64	\$0.17	\$0.00	\$0.00	\$44.82	\$58.76
Pile Driver	\$25.84		\$6.62	\$6.95	\$0.40	\$0.00	\$0.91	\$0.10	\$0.00	\$0.00	\$40.82	\$53.74
Apprentice	Percent											
1st 3 Months	60.00	\$16.72	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$16.72	\$25.08
2nd 3 Months	60.00	\$16.72	\$7.81	\$0.00	\$0.38	\$0.00	\$1.64	\$0.17	\$0.00	\$0.00	\$26.72	\$35.08
2rd 6 Months	60.00	\$16.72	\$7.81	\$0.00	\$0.38	\$0.00	\$1.64	\$0.17	\$0.00	\$0.00	\$26.72	\$35.08
3rd 6 Months	65.00	\$18.12	\$7.81	\$0.00	\$0.38	\$0.00	\$1.64	\$0.17	\$0.00	\$0.00	\$28.12	\$37.17
4th 6 Months	65.00	\$18.12	\$7.81	\$0.00	\$0.38	\$0.00	\$1.64	\$0.17	\$0.00	\$0.00	\$28.12	\$37.17
5th 6 Months	70.00	\$19.51	\$7.81	\$6.95	\$0.38	\$0.00	\$1.64	\$0.17	\$0.00	\$0.00	\$36.46	\$46.21
6th 6 Months	75.00	\$20.90	\$7.81	\$6.95	\$0.38	\$0.00	\$1.64	\$0.17	\$0.00	\$0.00	\$37.85	\$48.30
7th 6 Months	80.00	\$22.30	\$7.81	\$6.95	\$0.38	\$0.00	\$1.64	\$0.17	\$0.00	\$0.00	\$39.25	\$50.39
8th 6 Months	85.00	\$23.69	\$7.81	\$6.95	\$0.38	\$0.00	\$1.64	\$0.17	\$0.00	\$0.00	\$40.64	\$52.48

Special Calculation Note : Other is for UBC National Fund.

Ratio :

1 Journeyman to 1 Apprentice
3 Journeyman to 1 Apprentice
5 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, CLINTON,
HAMILTON, WARREN

Special Jurisdictional Note :

Details :

Carpenter duties shall include but not limited to: Pile driving,

milling, fashioning, joining, assembling, erecting, fastening, or dismantling of all material of wood, plastic, metal, fiber, cork, and composition, and all other substitute materials: pile driving, cutting, fitting, and placing of lagging, and the handling, cleaning, erecting, installing, and dismantling of machinery, equipment, and erecting pre-engineered metal buildings.

Pile Drivers work but not limited to: unloading, assembling, erection, repairs, operation, signaling, dismantling, and reloading all equipment that is used for pile driving including pile butts. pile butts is defined as sheeting or scrap piling. Underwater work that may be required in connection with the installation of piling. The diver and his tender work as a team and shall arrive at their own financial arrangements with the contractor. Any configuration of wood, steel, concrete, or composite that is jettied, driven, or vibrated onto the ground by conventional pile driving equipment for the purpose of supporting a future load that may be permanent or temporary.

Driving bracing, plumbing, cutting off and capping of all piling whether wood, metal, pipe piling or composite. loading, unloading, erecting, framing, dismantling, moving, and handling of pile driving equipment. piling used in the construction and repair of all wharves, docks, piers, trestles, caissons, cofferdams, and the erection of all sea walls and breakwaters. All underwater and marine work on bulkheads, wharves, docks, shipyards, caissons, piers, bridges, pipeline work, viaducts, marine cable and trestles, as well as salvage and reclamation work where divers are employed.

Rate shall include carpenters, acoustic, and ceiling installers, drywall installers, pile drivers, and floorlayers.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Floorlayer SW District G

Change # : LCR01-2020fbLocSWDayton

Craft : Carpenter Effective Date : 09/10/2020 Last Posted : 09/10/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter Floorlayer	\$26.36		\$7.80	\$6.95	\$0.40	\$0.00	\$1.70	\$0.12	\$0.00	\$0.00	\$43.33	\$56.51
Apprentice	Percent											
1st 3 months	60.00	\$15.82	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.82	\$23.72
2nd 3 months	60.00	\$15.82	\$7.80	\$0.00	\$0.40	\$0.00	\$1.70	\$0.12	\$0.00	\$0.00	\$25.84	\$33.74
2nd 6 months	60.00	\$15.82	\$7.80	\$0.00	\$0.40	\$0.00	\$1.70	\$0.12	\$0.00	\$0.00	\$25.84	\$33.74
3rd 6 months	60.00	\$15.82	\$7.80	\$0.00	\$0.40	\$0.00	\$1.70	\$0.12	\$0.00	\$0.00	\$25.84	\$33.74
4th 6 months	65.00	\$17.13	\$7.80	\$0.00	\$0.40	\$0.00	\$1.70	\$0.12	\$0.00	\$0.00	\$27.15	\$35.72
5th 6 months	70.00	\$18.45	\$7.80	\$6.95	\$0.40	\$0.00	\$1.70	\$0.12	\$0.00	\$0.00	\$35.42	\$44.65
6th 6 months	75.00	\$19.77	\$7.80	\$6.95	\$0.40	\$0.00	\$1.70	\$0.12	\$0.00	\$0.00	\$36.74	\$46.63
7th 6 months	80.00	\$21.09	\$7.80	\$6.95	\$0.40	\$0.00	\$1.70	\$0.12	\$0.00	\$0.00	\$38.06	\$48.60
8th 6 months	85.00	\$22.41	\$7.80	\$6.95	\$0.40	\$0.00	\$1.70	\$0.12	\$0.00	\$0.00	\$39.38	\$50.58

Special Calculation Note : Other fs for UBC National Fund and Install

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CHAMPAIGN, CLARK, CLERMONT, CLINTON, DARKE, GREENE, HAMILTON, LOGAN, MIAMI, MONTGOMERY, PREBLE, SHELBY, WARREN

Special Jurisdictional Note :

Details :

Scope of work shall include, but not be limited to: receiving,unloading,handling,distribution and installation of all carpeting materials,carpet padding or matting materials and all resilient materials whether for use on walls,

floors, counter, sink, table and all preparation work necessary in connection therewith, including sanding work. the installation of nonstructural under-layment and the work of removing, cleaning waxing of any of the above. Carpeting shall include any floor covering composed of either natural or synthetic fibers that are made in breadths to be sewed, fastened or directly glued to floors or over cushioning sound-proofing materials. Resilient Floors shall consist of and include the laying of all special designs of wood, wood block, wood composition, cork, linoleum, asphalt, mastic, plastic, rubber tile, whether nailed or glued.

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter Millwright Local 1090 SW Zone I

Change # : LCN01-2020fbLoc1066

Craft : Carpenter Effective Date : 09/10/2020 Last Posted : 09/10/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Carpenter Millwright	\$32.00		\$7.78	\$6.95	\$0.44	\$0.00	\$6.73	\$0.25	\$0.00	\$0.00	\$54.15	\$70.15
Apprentice	Percent											
1st 6 months	60.00	\$19.20	\$7.78	\$4.27	\$0.44	\$0.00	\$4.04	\$0.25	\$0.00	\$0.00	\$35.98	\$45.58
2nd 6 months	65.00	\$20.80	\$7.78	\$4.61	\$0.44	\$0.00	\$4.37	\$0.25	\$0.00	\$0.00	\$38.25	\$48.65
3rd 6 months	70.00	\$22.40	\$7.78	\$4.94	\$0.44	\$0.00	\$4.71	\$0.25	\$0.00	\$0.00	\$40.52	\$51.72
4th 6 months	75.00	\$24.00	\$7.78	\$5.28	\$0.44	\$0.00	\$5.05	\$0.25	\$0.00	\$0.00	\$42.80	\$54.80
5th 6 months	80.00	\$25.60	\$7.78	\$5.61	\$0.44	\$0.00	\$5.38	\$0.25	\$0.00	\$0.00	\$45.06	\$57.86
6th 6 months	85.00	\$27.20	\$7.78	\$5.95	\$0.44	\$0.00	\$5.72	\$0.25	\$0.00	\$0.00	\$47.34	\$60.94
7th 6 months	90.00	\$28.80	\$7.78	\$6.28	\$0.44	\$0.00	\$6.06	\$0.25	\$0.00	\$0.00	\$49.61	\$64.01
8th 6 months	95.00	\$30.40	\$7.78	\$6.62	\$0.44	\$0.00	\$6.39	\$0.25	\$0.00	\$0.00	\$51.88	\$67.08

Special Calculation Note : Other (\$0.25) \$0.10 National Fund, \$0.10. Drug Safety Program \$0.10 and National Millwright Fund \$0.05

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, CLINTON, HAMILTON, WARREN

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Carpenter NE District Industrial Dock & Door

Change # : LCN01-2014fbCarpNEStatewide

Craft : Carpenter Effective Date : 03/05/2014 Last Posted : 03/05/2014

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Carpenter	\$19.70		\$5.05	\$1.00	\$0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.90	\$35.75
Trainee												
	Percent											
1st Year	60.00	\$11.82	\$5.05	\$1.00	\$0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$18.02	\$23.93
2nd Year	80.20	\$15.80	\$5.05	\$1.00	\$0.15	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.00	\$29.90

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeymen to 1 Trainee

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEauga, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note : Industrial Dock and Door is the installation of overhead doors, roll up doors and dock leveling equipment

Details :

10/27/10 New Contract jc

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Bricklayer Local 97 HevHwy A

Change # : LCN01-2020fbHvyHwy

Craft : Bricklayer Effective Date : 06/01/2020 Last Posted : 05/21/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Sewer Water Works A	\$29.96		\$9.50	\$6.77	\$0.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$46.70	\$61.68
Apprentice	Percent											
1st year	50.00	\$14.98	\$9.50	\$6.77	\$0.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.72	\$39.21
2nd year	70.00	\$20.97	\$9.50	\$6.77	\$0.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.71	\$48.20
3rd year	90.00	\$26.96	\$9.50	\$6.77	\$0.47	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.70	\$57.19

Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.

Ratio :

3 Journeymen to 1 Apprentice
6 Journeymen to 2 Apprentice
9 Journeymen to 3 Apprentice
12 Journeymen to 4 Apprentice
15 Journeymen to 5 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note :**Details :**

- (A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work.
- (B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Bricklayer Local 97 HevHwy B

Change # : LCN01-2020fbHvyHwy

Craft : Bricklayer Effective Date : 06/01/2020 Last Posted : 05/21/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason Bricklayer Power Plants Tunnels Amusement Parks B	\$30.95		\$9.50	\$6.77	\$0.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$47.70	\$63.17
Apprentice	Percent											
1st year	50.00	\$15.48	\$9.50	\$6.77	\$0.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.23	\$39.96
2nd year	70.00	\$21.66	\$9.50	\$6.77	\$0.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.42	\$49.25
3rd year	90.00	\$27.85	\$9.50	\$6.77	\$0.48	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.60	\$58.53

Special Calculation Note : NOT FOR BUILDING CONSTRUCTION.

Ratio :

- 3 Journeymen to 1 Apprentice
- 6 Journeymen to 2 Apprentice
- 9 Journeymen to 2 Apprentice
- 12 Journeymen to 4 Apprentice
- 15 Journeymen to 5 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT,

TRUMBULL, TUSCARAWAS, UNION, VAN WERT,
VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note :

Details :

(A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site Heavy Construction, Airport Construction Or Railroad Construction Work.

(B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control,Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Local 132 (Cincinnati)

Change # : LCN01-2019fbLoc132

Craft : Cement Effective Date : 06/05/2019 Last Posted : 06/05/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Cement Mason	\$24.50		\$6.70	\$6.50	\$0.60	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$39.10	\$51.35
Apprentice												
	Percent											
1st yr	70.00	\$17.15	\$6.70	\$6.50	\$0.60	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$31.75	\$40.32
2nd yr	80.00	\$19.60	\$6.70	\$6.50	\$0.60	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$34.20	\$44.00
3rd yr	90.00	\$22.05	\$6.70	\$6.50	\$0.60	\$0.00	\$0.80	\$0.00	\$0.00	\$0.00	\$36.65	\$47.68

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

- 1 Journeymen to 1 Apprentice
- 4 Journeymen to 2 Apprentice
- 7 Journeymen to 3 Apprentice
- 10 Journeymen to 4 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, HAMILTON, HIGHLAND, WARREN

Special Jurisdictional Note :

Details :

- *Cement Masons working on silo & slip form work shall receive \$.50 per hour over Journeyman scale.
- *Cement Masons working on swinging scaffolds shall receive \$.50 per hour over Journeyman scale.
- *Cement Masons working on high lifts from 20' and above shall receive \$.50 per hour over Journeyman scale.

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide HevHwy Exhibit A District II

Change # : LCN01-2020fbCementHevHwy

Craft : Cement Mason Effective Date : 05/01/2020 Last Posted : 04/30/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Cement Mason	\$30.11		\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$48.41	\$63.46
Apprentice	Percent											
1st Year	70.00	\$21.08	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$39.38	\$49.92
2nd Year	80.00	\$24.09	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$42.39	\$54.43
3rd Year	90.00	\$27.10	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$45.40	\$58.95

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeymen to 1 Apprentice
2 to 1 thereafter

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, COLUMBIANA, DEFIANCE, ERIE, HAMILTON, HIGHLAND, HURON, LORAIN, MAHONING, MEDINA, OTTAWA, PAULDING, PORTAGE, SANDUSKY, SENECA, STARK, SUMMIT, TRUMBULL, WARREN, WILLIAMS

Special Jurisdictional Note : (A) Highway Construction, Sewer, Waterworks And Utility Construction, Industrial & Building Site, Heavy Construction, Airport Construction Or Railroad Construction Work.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Cement Mason Statewide HevHwy Exhibit B District II

Change # : LCN01-2019fbCementHevHwy

Craft : Cement Mason Effective Date : 05/01/2020 Last Posted : 04/30/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Cement Mason	\$30.98		\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$49.28	\$64.77
Apprentice	Percent											
1st Year	70.00	\$21.69	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$39.99	\$50.83
2nd Year	80.00	\$24.78	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$43.08	\$55.48
3rd Year	90.00	\$27.88	\$8.25	\$7.15	\$0.65	\$0.00	\$2.25	\$0.00	\$0.00	\$0.00	\$46.18	\$60.12

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeymen to 1 Apprentice
2 to 1 thereafter

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, COLUMBIANA, DEFIANCE, ERIE, HAMILTON, HIGHLAND, HURON, LORAIN, MAHONING, MEDINA, OTTAWA, PAULDING, PORTAGE, SANDUSKY, SENECA, STARK, SUMMIT, TRUMBULL, WARREN, WILLIAMS

Special Jurisdictional Note : (B) Power Plant, Tunnels, Amusement Park, Athletic Stadium Site Work ,Pollution Control, Sewer Plant, Waste Plant, & Water Treatment Facilities, Construction.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 High Tension Pipe Type Cable

Change # : LCN01-2019fbLoc7

Craft : Lineman Effective Date : 04/24/2019 Last Posted : 04/24/2019

Classification	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET		
									(*)	(*)	
Electrical Lineman	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30
Certified Lineman Welder	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30
Certified Cable Splicer	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30
Operator A	\$39.02	\$6.00	\$1.17	\$0.39	\$0.00	\$8.97	\$0.35	\$0.00	\$0.00	\$55.90	\$75.41
Operator B	\$34.60	\$6.00	\$1.04	\$0.35	\$0.00	\$7.96	\$0.35	\$0.00	\$0.00	\$50.30	\$67.60
Operator C	\$27.93	\$6.00	\$0.84	\$0.28	\$0.00	\$6.42	\$0.35	\$0.00	\$0.00	\$41.82	\$55.79
Groundman 0-12 months Exp	\$21.74	\$6.00	\$0.65	\$0.22	\$0.00	\$5.00	\$0.35	\$0.00	\$0.00	\$33.96	\$44.83
Groundman 0-12 months Exp w/CDL	\$23.91	\$6.00	\$0.72	\$0.24	\$0.00	\$5.50	\$0.35	\$0.00	\$0.00	\$36.72	\$48.68
Groundman 1 yr or more	\$23.91	\$6.00	\$0.72	\$0.24	\$0.00	\$5.50	\$0.35	\$0.00	\$0.00	\$36.72	\$48.68
Groundman 1 yr or more w/CDL	\$28.26	\$6.00	\$0.85	\$0.28	\$0.00	\$6.50	\$0.35	\$0.00	\$0.00	\$42.24	\$56.37
Equipment Mechanic A	\$34.60	\$6.00	\$1.04	\$0.35	\$0.00	\$7.96	\$0.35	\$0.00	\$0.00	\$50.30	\$67.60
Equipment Mechanic B	\$31.26	\$6.00	\$0.94	\$0.31	\$0.00	\$7.19	\$0.35	\$0.00	\$0.00	\$46.05	\$61.68
Equipment Mechanic C	\$27.93	\$6.00	\$0.84	\$0.28	\$0.00	\$6.42	\$0.35	\$0.00	\$0.00	\$41.82	\$55.79
X-Ray Technician	\$43.48	\$6.00	\$1.30	\$0.43	\$0.00	\$10.00	\$0.35	\$0.00	\$0.00	\$61.56	\$83.30
Apprentice	Percent										
1st 1000 hrs	60.00	\$26.09	\$6.00	\$0.78	\$0.26	\$0.00	\$6.00	\$0.35	\$0.00	\$39.48	\$52.52

2nd 1000 hrs	65.00	\$28.26	\$6.00	\$0.85	\$0.28	\$0.00	\$6.50	\$0.35	\$0.00	\$0.00	\$42.24	\$56.37
3rd 1000 hrs	70.00	\$30.44	\$6.00	\$0.91	\$0.30	\$0.00	\$7.00	\$0.35	\$0.00	\$0.00	\$45.00	\$60.21
4th 1000 hrs	75.00	\$32.61	\$6.00	\$0.98	\$0.33	\$0.00	\$7.50	\$0.35	\$0.00	\$0.00	\$47.77	\$64.07
5th 1000 hrs	80.00	\$34.78	\$6.00	\$1.04	\$0.35	\$0.00	\$8.00	\$0.35	\$0.00	\$0.00	\$50.52	\$67.92
6th 1000 hrs	85.00	\$36.96	\$6.00	\$1.11	\$0.37	\$0.00	\$8.50	\$0.35	\$0.00	\$0.00	\$53.29	\$71.77
7th 1000 hrs	90.00	\$39.13	\$6.00	\$1.17	\$0.39	\$0.00	\$9.00	\$0.35	\$0.00	\$0.00	\$56.04	\$75.61

Special Calculation Note : Other is Health Retirement Account

Operator "A"

John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater than 25 tons and less than 45 tons).

Operator "B"

Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger- wheeled or tracked, all Tension wire Stringing equipment.

Operator "C"

Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

*All Operators of cranes 45 ton or larger shall be paid the journeyman rate of pay. \$0.30 is for Health Retirement Account.

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEauga, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note :

Details :

Heli - Arc Welding will be paid \$.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Outside Cincinnati

Change # : LCN01-2020fbLoc71Cincinnati

Craft : Lineman Effective Date : 11/04/2020 Last Posted : 11/04/2020

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lineman	\$39.23	\$6.50	\$1.18	\$0.39	\$0.00	\$7.06	\$0.06	\$0.00	\$0.00	\$54.42	\$74.04
Traffic Signal & Lighting Journeyman	\$37.73	\$6.50	\$1.13	\$0.38	\$0.00	\$6.79	\$0.06	\$0.00	\$0.00	\$52.59	\$71.45
Equipment Operator	\$34.46	\$6.50	\$1.03	\$0.34	\$0.00	\$6.20	\$0.06	\$0.00	\$0.00	\$48.59	\$65.82
Groundman 0-12 months (W/O CDL)	\$20.90	\$6.50	\$0.63	\$0.21	\$0.00	\$3.76	\$0.06	\$0.00	\$0.00	\$32.06	\$42.51
Groundman 0-21 Months (W/CDL)	\$22.83	\$6.50	\$0.68	\$0.23	\$0.00	\$4.11	\$0.06	\$0.00	\$0.00	\$34.41	\$45.82
Groundman 1 Year or More (W/CDL)	\$24.77	\$6.50	\$0.74	\$0.25	\$0.00	\$4.46	\$0.06	\$0.00	\$0.00	\$36.78	\$49.17
Traffic Signal Apprentices											
1st 1,000 hours	\$22.64	\$6.50	\$0.68	\$0.23	\$0.00	\$4.08	\$0.06	\$0.00	\$0.00	\$34.19	\$45.51
2nd 1,000 hours	\$24.52	\$6.50	\$0.74	\$0.25	\$0.00	\$4.41	\$0.06	\$0.00	\$0.00	\$36.48	\$48.74
3rd 1,000 hours	\$26.41	\$6.50	\$0.79	\$0.26	\$0.00	\$4.75	\$0.06	\$0.00	\$0.00	\$38.77	\$51.98
4th 1,000 hours	\$28.30	\$6.50	\$0.85	\$0.28	\$0.00	\$5.09	\$0.06	\$0.00	\$0.00	\$41.08	\$55.23
5th 1,000 hours	\$30.18	\$6.50	\$0.91	\$0.30	\$0.00	\$5.43	\$0.06	\$0.00	\$0.00	\$43.38	\$58.47
6th 1,000 hours	\$33.96	\$6.50	\$1.02	\$0.34	\$0.00	\$6.11	\$0.06	\$0.00	\$0.00	\$47.99	\$64.97

Apprentice Lineman	Percent											
1st 1,000 Hours	60.00	\$23.54	\$6.50	\$0.71	\$0.24	\$0.00	\$4.24	\$0.06	\$0.00	\$0.00	\$35.29	\$47.06
2nd 1,000 Hours	65.00	\$25.50	\$6.50	\$0.77	\$0.26	\$0.00	\$4.59	\$0.06	\$0.00	\$0.00	\$37.68	\$50.43
3rd 1,000 Hours	70.00	\$27.46	\$6.50	\$0.82	\$0.27	\$0.00	\$4.94	\$0.06	\$0.00	\$0.00	\$40.05	\$53.78
4th 1,000 Hours	75.00	\$29.42	\$6.50	\$0.88	\$0.29	\$0.00	\$5.30	\$0.06	\$0.00	\$0.00	\$42.45	\$57.16
5th 1,000 Hours	80.00	\$31.38	\$6.50	\$0.94	\$0.31	\$0.00	\$5.65	\$0.06	\$0.00	\$0.00	\$44.84	\$60.54
6th 1,000 Hours	85.00	\$33.35	\$6.50	\$1.00	\$0.33	\$0.00	\$6.00	\$0.06	\$0.00	\$0.00	\$47.24	\$63.91
7th 1,000 Hours	90.00	\$35.31	\$6.50	\$1.06	\$0.35	\$0.00	\$6.36	\$0.06	\$0.00	\$0.00	\$49.64	\$67.29

Special Calculation Note : Other is Safety & Education Fund.

Ratio :

1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, HAMILTON, WARREN

Special Jurisdictional Note :

Details :

A groundman when directed shall assist a Journeyman in the performance of his/her work on the ground, including the use of hand tools. A Groundman under no circumstances shall climb poles, towers, ladders, or work from an elevated platform or bucket truck.

No more than three (3) Groundmen shall work alone. Jobs with more than three Groundmen shall be supervised by a Groundcrew Foreman, Journeyman Lineman, Journeyman Traffic Signal Technician or an Equipment Operator.

Scope of Work: installation and maintenance of highway and street lighting, highway and street sign lighting, electronic message boards and traffic control systems, camera systems, traffic signal work, substation and line construction including overhead and underground projects for private and industrial work as in accordance with the IBEW Constitution. This Agreement includes the operation of all tools and equipment necessary for the installation of the above projects.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Outside Utility Power

Change # : LCN01-2019fbLoc7

Craft : Lineman Effective Date : 04/24/2019 Last Posted : 04/24/2019

Classification	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Electrical Lineman	\$41.22	\$6.00	\$1.24	\$0.41	\$0.00	\$9.48	\$0.35	\$0.00	\$0.00	\$58.70	\$79.31
Substation Technician	\$41.22	\$6.00	\$1.24	\$0.41	\$0.00	\$9.48	\$0.35	\$0.00	\$0.00	\$58.70	\$79.31
Cable Splicer	\$43.14	\$6.00	\$1.29	\$0.43	\$0.00	\$9.92	\$0.35	\$0.00	\$0.00	\$61.13	\$82.70
Operator A	\$37.00	\$6.00	\$1.11	\$0.37	\$0.00	\$8.51	\$0.35	\$0.00	\$0.00	\$53.34	\$71.84
Operator B	\$32.78	\$6.00	\$0.98	\$0.33	\$0.00	\$7.54	\$0.35	\$0.00	\$0.00	\$47.98	\$64.37
Operator C	\$26.44	\$6.00	\$0.79	\$0.26	\$0.00	\$6.08	\$0.35	\$0.00	\$0.00	\$39.92	\$53.14
Groundman 0-12 months Exp	\$20.61	\$6.00	\$0.62	\$0.21	\$0.00	\$4.74	\$0.35	\$0.00	\$0.00	\$32.53	\$42.84
Groundman 0-12 months Exp w/CDL	\$22.67	\$6.00	\$0.68	\$0.23	\$0.00	\$5.21	\$0.35	\$0.00	\$0.00	\$35.14	\$46.48
Groundman 1 yr or more	\$22.67	\$6.00	\$0.68	\$0.23	\$0.00	\$5.21	\$0.35	\$0.00	\$0.00	\$35.14	\$46.48
Groundman 1 yr or more w/CDL	\$26.80	\$6.00	\$0.80	\$0.27	\$0.00	\$6.16	\$0.35	\$0.00	\$0.00	\$40.38	\$53.78
Equipment Mechanic A	\$32.78	\$6.00	\$0.98	\$0.33	\$0.00	\$7.54	\$0.35	\$0.00	\$0.00	\$47.98	\$64.37
Equipment Mechanic B	\$29.62	\$6.00	\$0.89	\$0.30	\$0.00	\$6.81	\$0.35	\$0.00	\$0.00	\$43.97	\$58.78
Equipment Mechanic C	\$26.44	\$6.00	\$0.79	\$0.26	\$0.00	\$6.08	\$0.35	\$0.00	\$0.00	\$39.92	\$53.14
Line Truck w/uuger	\$29.17	\$6.00	\$0.88	\$0.29	\$0.00	\$6.71	\$0.35	\$0.00	\$0.00	\$43.40	\$57.99
Apprentice	Percent										
1st 1000 hrs	60.00	\$24.73	\$6.00	\$0.74	\$0.25	\$5.69	\$0.35	\$0.00	\$0.00	\$37.76	\$50.13

2nd 1000 hrs	65.00	\$26.79	\$6.00	\$0.80	\$0.27	\$0.00	\$6.16	\$0.35	\$0.00	\$0.00	\$40.37	\$53.77
3rd 1000 hrs	70.00	\$28.85	\$6.00	\$0.87	\$0.29	\$0.00	\$6.64	\$0.35	\$0.00	\$0.00	\$43.00	\$57.43
4th 1000 hrs	75.00	\$30.91	\$6.00	\$0.93	\$0.31	\$0.00	\$7.11	\$0.35	\$0.00	\$0.00	\$45.62	\$61.07
5th 1000 hrs	80.00	\$32.98	\$6.00	\$0.99	\$0.33	\$0.00	\$7.59	\$0.35	\$0.00	\$0.00	\$48.24	\$64.72
6th 1000 hrs	85.00	\$35.04	\$6.00	\$1.05	\$0.35	\$0.00	\$8.06	\$0.35	\$0.00	\$0.00	\$50.85	\$68.37
7th 1000 hrs	90.00	\$37.10	\$6.00	\$1.11	\$0.37	\$0.00	\$8.53	\$0.35	\$0.00	\$0.00	\$53.46	\$72.01

Special Calculation Note : Other is Health Retirement Account

Operator "A"

John Henry Rock Drill, D-6 (or equivalent) and above, Trackhoe Digger, (320 Track excavator), Cranes (greater then 25 tons and less than 45 tons).

Operator "B"

Cranes (greater than 6 tons and up to 25 tons), Backhoes, Road Tractor, Dozer up to D-5, Pressure Digger- wheeled or tracked, all Tension wire Stringing equipment.

Operator "C"

Trench, Backhoe, Riding type vibratory Compactor, Ground Rod Driver, Boom Truck (6 ton & below), Skid Steer Loaders, Material Handler.

Ratio :

(1) Journeyman Lineman to (1) Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VINTON, WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note : 0.30 is for Health Retirement Account.

Details :

Heli - Arc Welding will be paid \$.30 above Journeyman rate. Additional compensation of 10% over the Journeyman Lineman and Journeyman Technician for performing work on structures outside of buildings such as water towers, smoke stacks, radio and television towers, more than 75' above the ground.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 71 Voice Data Video Outside

Change # : LCR01-2017fbLoc71VDV

Craft : Voice Data Video Effective Date : 10/18/2017 Last Posted : 10/18/2017

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Installer Technician I	\$23.46	\$5.50	\$0.70	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$29.96	\$41.69
Installer Technician II	\$22.37	\$5.50	\$0.67	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$28.84	\$40.03
Equipment Operator I	\$22.37	\$5.50	\$0.67	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$28.84	\$40.03
Equipment Operator II	\$18.43	\$5.50	\$0.55	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$24.78	\$33.99
Installer/Repair Outside	\$22.37	\$5.50	\$0.67	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$28.84	\$40.03
Ground Driver W/CDL	\$15.83	\$5.50	\$0.47	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$22.10	\$30.01
Groundman	\$13.24	\$5.50	\$0.40	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$19.44	\$26.06
Cable Splicer	\$23.46	\$5.50	\$0.70	\$0.00	\$0.00	\$0.30	\$0.00	\$0.00	\$0.00	\$29.96	\$41.69

Special Calculation Note :

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, GALLIA, GEauga, GREENE, GUERNSEY, HAMILTON, HARRISON, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, RICHLAND, ROSS, SCIOTO, SHELBY, STARK, SUMMIT,

TRUMBULL, TUSCARAWAS, UNION, VINTON,
WARREN, WASHINGTON, WAYNE

Special Jurisdictional Note :

Details :

Cable Splicer: Inspect and test lines or cables, analyze results, and evaluate transmission characteristics. Cover conductors with insulation or seal splices with moisture-proof covering. Install, splice, test, and repair cables using tools or mechanical equipment. This will include the splicing of fiber.

Journeyman Technician I: Must know all aspects of telephone and cable work. This is to include aerial, underground, and manhole work. Must know how to climb and run bucket. Must have all the tools required to perform these tasks. Must be able to be responsible for the safety of the crew at all times. Must also have CDL license and have at least 5 years experience.

Installer/Repairman: Perform tasks of repairing, installing, and testing phone and CATV services.

Technician II: Have at least three years of telephone and CATV experience. Must have the knowledge of underground, aerial, and manhole work. Must be able to climb and operate bucket. Must have CDL. Must have all tools needed to perform these tasks.

Equipment Operator I: Able to operate a digger derrick or bucket truck. Have at least 5 years of experience and must have a valid CDL license.

Equipment Operator II: Able to operate a digger derrick or bucket truck. Have at least 3 years of experience and must have a valid CDL license.

Groundman W/CDL: Must have a valid CDL license and be able to perform tasks such as: climbing poles, pulling downguys, making up material, and getting appropriate tools for the job. Must have at least 5 year's experience.

Groundman: Perform tasks such as: climbing poles, pulling downguys, making up material, and getting appropriate tools for the job. Experience 0-5 years.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 82 Inside

Change # : LCN02-2019fbLoc82in

Craft : Electrical Effective Date : 12/18/2019 Last Posted : 12/18/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrician	\$31.15		\$7.20	\$9.03	\$0.53	\$0.00	\$3.20	\$0.00	\$0.00	\$0.00	\$51.11	\$66.68
Apprentice	Percent											
1st period 0 - 1000 hrs	42.00	\$13.08	\$3.82	\$0.59	\$0.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.71	\$24.25
2nd period 1001-2000 hrs	42.00	\$13.08	\$3.82	\$0.59	\$0.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.71	\$24.25
3rd period 2001-3500 hrs	47.00	\$14.64	\$6.67	\$4.25	\$0.25	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$27.31	\$34.63
4th period 3501-5000 hrs	52.00	\$16.20	\$6.72	\$4.70	\$0.28	\$0.00	\$1.66	\$0.00	\$0.00	\$0.00	\$29.56	\$37.66
5th period 5001-6500 hrs	62.00	\$19.31	\$6.82	\$5.60	\$0.33	\$0.00	\$1.98	\$0.00	\$0.00	\$0.00	\$34.04	\$43.70
6th period 6501-8000 hrs	75.00	\$23.36	\$7.20	\$6.78	\$0.40	\$0.00	\$2.40	\$0.00	\$0.00	\$0.00	\$40.14	\$51.82

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 to 3 Journeymen to 3 Apprentices
4 to 6 Journeymen to 6 Apprentices
per job site

Jurisdiction (* denotes special jurisdictional note) :

CLINTON, DARKE, GREENE, MIAMI,
MONTGOMERY, PREBLE, WARREN*

Special Jurisdictional Note : The following townships in Warren County are included: Clearcreek, Franklin and Wayne.

Details :

Only correction made on 6-19-19 was the 5th year Apprentice fb.

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 to 3 Journeymen to 3 Apprentices
4 to 6 Journeymen to 6 Apprentices
per job site

Jurisdiction (* denotes special jurisdictional note) :

CLINTON, DARKE, GREENE, MIAMI,
MONTGOMERY, PREBLE, WARREN*

Construction Electrician and Construction Wireman Ratio

There shall be a minimum ratio of one inside Journeyman to every (4) employees of different classification per jobsite. An inside Journeyman Wireman is required on the project as the fifth (5th) worker or when apprentices are used.

Special Jurisdictional Note : The following townships in Warren County are included: Clearcreek, Franklin and Wayne.

The scope of work for the light commercial agreement shall apply to the following facilities not to exceed 200,000 square feet; office buildings, shopping centers, auto sales agencies and garages, churches, funeral homes, nursing homes, hotels, retail and wholesale facilities, small stand-alone manufacturing facilities when free standing and not part of a larger facility (not to exceed 50,000 square feet), solar projects (500 panels or less) unless otherwise covered under the agreement, lighting retrofits (when not associated with remodels involving branch re-circuiting) lighting retrofits shall be defined as the changing of lamps and ballasts in existing light fixtures and shall also include the one for one replacement of existing fixtures, warehouses, gas stations, food service centers, restaurants, entertainment facilities, hospitals, clinics, motels, residential buildings.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 82 Lightning Rod

Change # : LCR01-2019fbLoc82

Craft : Electrical Effective Date : 12/11/2019 Last Posted : 12/11/2019

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Electrical Lightning Rod Technican	\$29.79	\$7.20	\$8.99	\$0.00	\$0.00	\$3.20	\$0.00	\$0.00	\$0.00	\$49.18	\$64.07

Special Calculation Note : No Apprentice approved by OSAC.

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

CLINTON, DARKE, GREENE, MIAMI,
MONTGOMERY, PREBLE, WARREN*

Special Jurisdictional Note : The following townships in Warren County are included: (Clearcreek, Franklin and Wayne)

Details :

After 09-04-2018													
1st 0-1000 hours	55.00	\$13.39	\$3.00	\$0.40	\$0.25	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$17.29	\$23.99
2nd 1001-2000 hours	55.00	\$13.39	\$3.00	\$0.40	\$0.25	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$17.29	\$23.99
3rd 2001-3000 hours	65.00	\$15.83	\$6.40	\$0.47	\$0.30	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$0.00	\$27.40	\$35.31
4th 3001-4000 hours	65.00	\$15.83	\$6.40	\$0.47	\$0.30	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$0.00	\$27.40	\$35.31
5th 4001-5000 hours	75.00	\$18.26	\$6.43	\$0.55	\$0.35	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$0.00	\$29.99	\$39.12
6th 5001-6000 hours	75.00	\$18.26	\$6.43	\$0.55	\$0.35	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$0.00	\$29.99	\$39.12
7th 6001-7000 hours	80.00	\$19.48	\$6.44	\$0.58	\$0.37	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$0.00	\$31.27	\$41.01
8th 7001 hours	80.00	\$19.48	\$6.44	\$0.58	\$0.37	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$0.00	\$31.27	\$41.01
Cable Puller	50.00	\$12.18	\$3.00	\$0.37	\$0.23	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$16.02	\$22.11

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeymen to 2 Apprentice
(Indentured After 9-4-2018)

1 Journeymen to 1 Apprentice
(Indentured Before 9--03-2018)

Jurisdiction (* denotes special jurisdictional note) :

CLINTON, DARKE, GREENE, MIAMI,
MONTGOMERY, PREBLE, WARREN*

Special Jurisdictional Note : The following townships in Warren County are included: (Clearcreek, Franklin and Wayne)

Details :

Work covered but not limited to: installation which utilize transmission and/or transference of voice, sound, vision or digital for commercial, education, security and entertainment purposes for the following:

TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multimedia, multiplex, nurse call system, radio page, school intercom, sound and low voltage master clock systems.

Fire Alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit.

All HVAC control work is not covered by this wage rate but by the Inside Electrical wage rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 648 Inside

Change # : LCN01-2019fbLoc648in

Craft : Electrical Effective Date : 09/11/2019 Last Posted : 09/11/2019

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Electrician	\$30.00		\$7.10	\$8.90	\$0.45	\$0.00	\$2.50	\$0.90	\$0.00	\$0.00	\$49.85	\$64.85
Apprentice												
	Percent											
1st period 0-1000 hrs	45.00	\$13.50	\$4.07	\$0.00	\$0.20	\$0.00	\$2.50	\$0.41	\$0.00	\$0.00	\$20.68	\$27.43
2nd period 1001- 2000 hrs	45.00	\$13.50	\$4.07	\$0.00	\$0.20	\$0.00	\$2.50	\$0.41	\$0.00	\$0.00	\$20.68	\$27.43
3rd period 2001- 3500 hrs	50.00	\$15.00	\$7.10	\$4.45	\$0.23	\$0.00	\$2.50	\$0.45	\$0.00	\$0.00	\$29.73	\$37.23
4th period 3501- 5000 hrs	55.00	\$16.50	\$7.10	\$4.90	\$0.25	\$0.00	\$2.50	\$0.50	\$0.00	\$0.00	\$31.75	\$40.00
5th period 5001- 6500 hrs	62.00	\$18.60	\$7.10	\$5.52	\$0.28	\$0.00	\$2.50	\$0.56	\$0.00	\$0.00	\$34.56	\$43.86
6th period 6501- 8000 hrs	71.00	\$21.30	\$7.10	\$6.32	\$0.32	\$0.00	\$2.50	\$0.64	\$0.00	\$0.00	\$38.18	\$48.83

Special Calculation Note : Other is NEBF (Natioanl Electrical Benifit Fund.)

Ratio :

3 Journeyman to 2 Apprentices or fraction thereof:
 1-3 Journeymen to 2 Apprentice
 4-6 Journeymen to 4 Apprentice
 7-9 Journeymen to 6 Apprentice
 first person assigned to any job site shall be a journeyman

Jurisdiction (* denotes special jurisdictional note) :

BUTLER, WARREN*

Special Jurisdictional Note : In Warren County the following townships are included: (Deerfield, Hamilton, Harlan, Massie, Salem, Turtle Creek, Union, and Washington)

Details :

Electricians while splicing cable shall receive \$.50 an hour above the regular electrical rate.

All work that requires the use of gas masks or respirators, shall be paid 50% above the appropriate rate of pay. Work up to & including 40 feet shall be paid \$.50 over the journeyman rate. All work from a Boatswain Chair, Swinging Scaffold, or Barrel shall be at double the Journeyman rate. Workmen required to work 50 feet or more below the surface of the earth will be paid 50% above the Journeyman rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 82 Inside Lt Commercial South West

Change # : LCNO1-2020fbLoc82in

Craft : Electrical Effective Date : 10/21/2020 Last Posted : 10/21/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrician	\$31.15		\$6.15	\$9.03	\$0.67	\$0.00	\$3.20	\$0.00	\$0.00	\$0.00	\$50.20	\$65.77
CE-3 12,001-14,000	\$22.45		\$6.15	\$0.67	\$0.67	\$0.00	\$0.65	\$0.00	\$0.00	\$0.10	\$30.69	\$41.92
CE-2 10,001-12,000 Hrs	\$17.64		\$6.15	\$0.52	\$0.67	\$0.00	\$0.51	\$0.00	\$0.00	\$0.10	\$25.59	\$34.41
CE-1 8,001-10,000 Hrs	\$16.04		\$6.15	\$0.48	\$0.67	\$0.00	\$0.47	\$0.00	\$0.00	\$0.10	\$23.91	\$31.93
CW-4 6,001-8,000 Hrs	\$14.43		\$6.15	\$0.43	\$0.67	\$0.00	\$0.42	\$0.00	\$0.00	\$0.10	\$22.20	\$29.42
CW-3 4,001-6,000 Hrs	\$12.83		\$6.15	\$0.38	\$0.67	\$0.00	\$0.37	\$0.00	\$0.00	\$0.10	\$20.50	\$26.92
CW-2 2,001-4,000 Hrs	\$12.03		\$6.15	\$0.36	\$0.67	\$0.00	\$0.35	\$0.00	\$0.00	\$0.10	\$19.66	\$25.68
CW-1 0-2,000 Hrs	\$11.22		\$6.15	\$0.33	\$0.67	\$0.00	\$0.33	\$0.00	\$0.00	\$0.10	\$18.80	\$24.41
Apprentice	Percent											
1st period 0 - 1000 hrs	42.00	\$13.08	\$3.82	\$0.20	\$0.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.32	\$23.86
2nd period 1001-2000 hrs	42.00	\$13.08	\$3.82	\$0.20	\$0.22	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$17.32	\$23.86
3rd period 2001-3500 hrs	47.00	\$14.64	\$6.67	\$3.81	\$0.25	\$0.00	\$1.50	\$0.00	\$0.00	\$0.00	\$26.87	\$34.19
4th period 3501-5000 hrs	52.00	\$16.20	\$6.72	\$4.21	\$0.28	\$0.00	\$1.66	\$0.00	\$0.00	\$0.00	\$29.07	\$37.17
5th period 5001-6500	62.00	\$19.31	\$6.82	\$5.02	\$0.33	\$0.00	\$1.98	\$0.00	\$0.00	\$0.00	\$33.46	\$43.12

hrs												
6th period 6501-8000 hrs	77.00	\$23.99	\$7.20	\$6.24	\$0.41	\$0.00	\$2.46	\$0.00	\$0.00	\$0.00	\$40.30	\$52.29

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 to 3 Journeymen to 3 Apprentices
 4 to 6 Journeymen to 6 Apprentices
 per job site

Jurisdiction (* denotes special jurisdictional note) :

CLINTON, DARKE, GREENE, MIAMI,
 MONTGOMERY, PREBLE, WARREN*

Construction Electrician and Construction Wireman Ratio

There shall be a minimum ratio of one inside Journeyman to every (4) employees of different classification per jobsite. An inside Journeyman Wireman is required on the project as the fifth (5th) worker or when apprentices are used.

Special Jurisdictional Note : The following townships in Warren County are included: Clearcreek, Franklin and Wayne.

The scope of work for the light commercial agreement shall apply to the following facilities not to exceed 200,000 square feet; office buildings, shopping centers, auto sales agencies and garages, churches, funeral homes, nursing homes, hotels, retail and wholesale facilities, small stand-alone manufacturing facilities when free standing and not part of a larger facility (not to exceed 50,000 square fee), solar projects (500 panels or less) unless otherwise covered under the agreement, lighting retrofits (when not associated with remodels involving branch re-circuiting) lighting retrofits shall be defined as the changing of lamps and ballasts in existing light fixtures and shall also include the one for one replacement of existing fixtures, warehouses, gas stations, food service centers, restaurants, entertainment facilities, hospitals, clinics, motels, residential buildings.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 648 Lt Commercial South West

Change # : LCN01-2019fbLoc648in

Craft : Electrical Effective Date : 12/24/2019 Last Posted : 12/24/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Electrician	\$30.00		\$7.10	\$8.90	\$0.45	\$0.00	\$2.50	\$0.90	\$0.00	\$0.00	\$49.85	\$64.85
CE-3 12,001- 14,000 Hrs	\$22.45		\$6.15	\$0.67	\$0.67	\$0.00	\$0.67	\$0.00	\$0.00	\$0.00	\$30.61	\$41.84
CE-2 10,001- 12,000 Hrs	\$17.64		\$6.15	\$0.53	\$0.67	\$0.00	\$0.53	\$0.00	\$0.00	\$0.00	\$25.52	\$34.34
CE-1 8,001- 10,000 Hrs	\$16.04		\$6.15	\$0.48	\$0.67	\$0.00	\$0.48	\$0.00	\$0.00	\$0.00	\$23.82	\$31.84
CW-4 6,001-8,000 Hrs	\$14.43		\$6.15	\$0.43	\$0.67	\$0.00	\$0.43	\$0.00	\$0.00	\$0.00	\$22.11	\$29.33
CW-3 4,001-6,000 Hrs	\$12.83		\$6.15	\$0.38	\$0.67	\$0.00	\$0.38	\$0.00	\$0.00	\$0.00	\$20.41	\$26.83
CW-2 2,001-4,000 Hrs	\$12.03		\$6.15	\$0.36	\$0.67	\$0.00	\$0.36	\$0.00	\$0.00	\$0.00	\$19.57	\$25.58
CW-1 0-2,000 Hrs	\$11.22		\$6.15	\$0.34	\$0.67	\$0.00	\$0.34	\$0.00	\$0.00	\$0.00	\$18.72	\$24.33
Apprentice Indentured AFTER 9/1/2006	Percent											
1st period 0-1000 hrs	45.00	\$13.50	\$4.07	\$0.00	\$0.20	\$0.00	\$2.50	\$0.41	\$0.00	\$0.00	\$20.68	\$27.43
2nd period 1001- 2000 hrs	45.00	\$13.50	\$4.07	\$0.00	\$0.20	\$0.00	\$2.50	\$0.41	\$0.00	\$0.00	\$20.68	\$27.43
3rd period 2001- 3500 hrs	50.00	\$15.00	\$7.10	\$4.45	\$0.23	\$0.00	\$2.50	\$0.45	\$0.00	\$0.00	\$29.73	\$37.23
4th period 3501- 5000 hrs	55.00	\$16.50	\$7.10	\$4.90	\$0.25	\$0.00	\$2.50	\$0.50	\$0.00	\$0.00	\$31.75	\$40.00
5th period 5001- 6500 hrs	62.00	\$18.60	\$7.10	\$5.52	\$0.28	\$0.00	\$2.50	\$0.56	\$0.00	\$0.00	\$34.56	\$43.86
6th period 6501- 8000 hrs	71.00	\$21.30	\$7.10	\$6.32	\$0.32	\$0.00	\$2.50	\$0.64	\$0.00	\$0.00	\$38.18	\$48.83

Special Calculation Note : Other is for NEBF (National Electrical Benefit Fund)

Ratio :

1-3 Journeymen to 2 Apprentice
4-6 Journeymen to 4 Apprentice
7-9 Journeymen to 6 Apprentice
first person assigned to any job site shall be a journeyman

Jurisdiction (* denotes special jurisdictional note) :

BUTLER, WARREN*

Construction Electrician and Construction Wireman Ratio

There shall be a minimum ratio of one inside Journeyman to every (4) employees of different classification per jobsite. An inside Journeyman Wireman is required on the project as the fifth (5th) worker or when apprentices are used

Special Jurisdictional Note : In Warren County the following townships are included: (Deerfield, Hamilton, Harlan, Massie, Salem, Turtle Creek, Union, and Washington)

The scope of work for the light commercial agreement shall apply to the following facilities not to exceed 200,000 square feet; office buildings, shopping centers, auto sales agencies and garages, churches, funeral homes, nursing homes, hotels, retail and wholesale facilities, small stand-alone manufacturing facilities when free standing and not part of a larger facility (not to exceed 50,000 square fee), solar projects (500 panels or less) unless otherwise covered under the agreement, lighting retrofits (when not associated with remodels involving branch re-circuiting) lighting retrofits shall be defined as the changing of lamps and ballasts in existing light fixtures and shall also include the one for one replacement of existing fixtures, warehouses, gas stations, food service centers, restaurants, entertainment facilities, hospitals, clinics, motels, residential buildings.

Details :

Electricians while splicing cable shall receive \$.50 an hour above the regular electrical rate.

All work that requires the use of gas masks or respirators, shall be paid 50% above the appropriate rate of pay. Work up to & including 40 feet shall be paid \$.50 over the journeyman rate. All work from a Boatswain Chair, Swinging Scaffold, or Barrel shall be at double the Journeyman rate. Workmen required to work 50 feet or more below the surface of the earth will be paid 50% above the Journeyman rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Electrical Local 648 Voice Data Video

Change # : LCR01-2019fbLoc648VDV

Craft : Voice Data Video Effective Date : 12/24/2019 Last Posted : 12/24/2019

Classification	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Electrical Installer Technician A	\$24.35	\$6.50	\$0.73	\$0.46	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$36.44	\$48.62
Electrical Installer Technician B	\$23.13	\$6.50	\$0.69	\$0.44	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$35.16	\$46.72
JW Installer Technician B	\$21.92	\$6.50	\$0.66	\$0.42	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$33.90	\$44.86
Non BICSI Installer	\$15.83	\$3.00	\$0.47	\$0.30	\$0.00	\$2.00	\$0.00	\$0.00	\$0.00	\$21.60	\$29.51
Apprentice Indentured AFTER 09-03-2018											
1 st Period 0-800 Hrs	\$13.14	\$3.00	\$0.38	\$0.25	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$17.02	\$23.59
2nd Period 801-1600 Hrs	\$13.14	\$3.00	\$0.38	\$0.25	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$17.02	\$23.59
3rd Period 1601-2400 Hrs	\$15.83	\$6.00	\$0.47	\$0.30	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$26.60	\$34.52
4th Period 2401-3200 Hrs	\$15.83	\$6.00	\$0.47	\$0.30	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$26.60	\$34.52
5th Period 3201-4000 Hrs	\$18.26	\$6.03	\$0.55	\$0.35	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$29.19	\$38.32
6th Period 4001-4800 Hrs	\$18.26	\$6.03	\$0.55	\$0.35	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$29.19	\$38.32
7th Period 4801-5600 Hrs	\$19.48	\$8.04	\$0.58	\$0.30	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$32.40	\$42.14
8th Period 5601-6400 Hrs	\$19.48	\$8.04	\$0.58	\$0.37	\$0.00	\$4.00	\$0.00	\$0.00	\$0.00	\$32.47	\$42.21
Cable Puller	\$12.18	\$3.00	\$0.37	\$0.23	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$16.03	\$22.12

Apprentice Indentured PRIOR to 09-03-2018	Percent											
1st period 0-800 hrs	50.00	\$12.18	\$6.50	\$0.37	\$0.23	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$19.53	\$25.61
2nd period 801-1600 hrs	50.00	\$12.18	\$6.50	\$0.37	\$0.23	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$19.53	\$25.61
3rd period 1601-2400 hrs	60.00	\$14.61	\$6.50	\$0.44	\$0.28	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$26.23	\$33.54
4th period 2401-3200 hrs	65.00	\$15.83	\$6.50	\$0.47	\$0.30	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$27.50	\$35.41
5th period 3201-4000 hrs	70.00	\$17.04	\$6.50	\$0.51	\$0.32	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$28.77	\$37.30
6th period 4001-4800 hrs	75.00	\$18.26	\$6.50	\$0.55	\$0.35	\$0.00	\$4.40	\$0.00	\$0.00	\$0.00	\$30.06	\$39.19
Cable Puller	50.00	\$12.18	\$3.00	\$0.37	\$0.23	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$16.02	\$22.11

Special Calculation Note :

Ratio :

1 Technician to 2 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BUTLER, WARREN*

Special Jurisdictional Note : The following townships In Warren County are included: (Deerfield, Hamilton, Harlan, Massie, Salem, Turtle Creek, Union, and Washington)

Details :

The following work is excluded from the Teledata Technician work scope:

*The installation of computer systems in industrial applications such as assembly lines, robotics, computer controller manufacturing systems.

*The installation of conduit and/or raceways shall be installed by Inside Wireman. On sites where there is no Inside Wireman employed, the

Teledata Technician may install raceway or conduit not greater than 10 ft.

*Fire Alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit

*All HVAC control work.

Prevailing Wage Rate Skilled Crafts

Name of Union: Elevator Local 11

Change # : LCN02-2019fbLoc11

Craft : Elevator Effective Date : 01/01/2020 Last Posted : 11/26/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Elevator Mechanic	\$47.23		\$15.73	\$10.21	\$0.63	\$3.78	\$8.20	\$1.51	\$0.00	\$0.00	\$87.29	\$110.90
Probationary Apprentice	50.02	\$23.62	\$0.00	\$0.00	\$0.00	\$1.42	\$0.00	\$0.76	\$0.00	\$0.00	\$25.80	\$37.62
1st year	55.00	\$25.98	\$15.73	\$10.21	\$0.63	\$1.56	\$8.20	\$0.83	\$0.00	\$0.00	\$63.14	\$76.12
2nd year	65.00	\$30.70	\$15.73	\$10.21	\$0.63	\$1.84	\$8.20	\$0.98	\$0.00	\$0.00	\$68.29	\$83.64
3rd year	70.00	\$33.06	\$15.73	\$10.21	\$0.63	\$1.98	\$8.20	\$1.06	\$0.00	\$0.00	\$70.87	\$87.40
4th year	80.00	\$37.78	\$15.73	\$10.21	\$0.63	\$2.27	\$8.20	\$1.21	\$0.00	\$0.00	\$76.03	\$94.93
Helper	70.00	\$33.06	\$15.73	\$10.21	\$0.63	\$1.98	\$8.20	\$1.06	\$0.00	\$0.00	\$70.87	\$87.40
Assistant Mechanic	80.00	\$37.78	\$15.73	\$10.21	\$0.63	\$2.27	\$8.20	\$1.21	\$0.00	\$0.00	\$76.03	\$94.93

Special Calculation Note : Other is Holiday Pay. Vacation calculated at 6%.

Ratio :

The total number of Helpers & Apprentices employed shall not exceed the number of Mechanics on any one job, except on jobs where (2) teams or more are working, (1) extra Helper or Apprentice may be employed for the first (2) teams and an extra Helper or Apprentice for each additional (3) teams.

- 1 Journeymen to 1 Apprentice
- 2 Journeymen to 5 Apprentice
- 3 Journeymen to 6 Apprentice

Special Jurisdictional Note :

Details :

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, BROWN, BUTLER, CLERMONT, CLINTON, DARKE, GREENE, HAMILTON, HIGHLAND, MIAMI, MONTGOMERY, PREBLE, SCIOTO, SHELBY, WARREN

Prevailing Wage Rate Skilled Crafts

Name of Union: Glazier Local 387

Change # : LCN01-2020fbLoc387

Craft : Glazier Effective Date : 11/01/2020 Last Posted : 10/28/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Glazier	\$27.93		\$5.67	\$10.10	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.95	\$57.92
Apprentice	Percent											
1st 6 months	53.70	\$15.00	\$5.67	\$0.00	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$20.92	\$28.42
2nd 6 months	65.00	\$18.15	\$5.67	\$6.19	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.26	\$39.34
3rd 6 months	70.00	\$19.55	\$5.67	\$6.71	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$32.18	\$41.96
4th 6 months	75.00	\$20.95	\$5.67	\$6.85	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.72	\$44.19
5th 6 months	80.00	\$22.34	\$5.67	\$7.43	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.69	\$46.87
6th 6 months	85.00	\$23.74	\$5.67	\$7.57	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.23	\$49.10
7th 6 months	90.00	\$25.14	\$5.67	\$8.09	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.15	\$51.72
8th 6 months	95.00	\$26.53	\$5.67	\$8.68	\$0.25	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.13	\$54.40

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

Each employer may employ and train Apprentices in the following ratio to journeymen workers employed.
1 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, BROWN, BUTLER, CHAMPAIGN, CLARK, CLERMONT, CLINTON, DARKE, FAYETTE*, GREENE, HAMILTON, HIGHLAND, MIAMI, MONTGOMERY, PREBLE, SHELBY*, WARREN

Special Jurisdictional Note : Fayette County: Eastern portion of route #41 being the dividing line between locals 372 and 387. Local 387 has jurisdiction of projects built on property which borders route #41 East. Shelby County: Southern portion of routes #47 & 29.

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 44

Change # : LCNO1-2019fbLoc44

Craft : Ironworker Effective Date : 06/05/2019 Last Posted : 06/05/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Ironworker Reinforcing	\$29.87		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$51.36	\$66.29
Structural	\$29.37		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$50.86	\$65.54
Ornamental	\$29.37		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$50.86	\$65.54
Machine Mover/Rigger	\$29.37		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$50.86	\$65.54
Conveyer Mechanic	\$29.37		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$50.86	\$65.54
Maintenance/Heavy Hwy	\$29.37		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$50.86	\$65.54
Welder A	\$29.62		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$51.11	\$65.92
Welder B	\$29.87		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$51.36	\$66.29
Sheeter	\$29.37		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$50.86	\$65.54
Fence Erector	\$27.90		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$49.39	\$63.34
Ironworker	\$29.37		\$8.20	\$9.50	\$0.60	\$0.00	\$3.00	\$0.19	\$0.00	\$0.00	\$50.86	\$65.54
Apprentice	Percent											
Apprentice												
1st yr A	55.00	\$16.43	\$8.20	\$9.50	\$0.60	\$0.00	\$0.75	\$0.19	\$0.00	\$0.00	\$35.67	\$43.88
1st yr B	60.00	\$17.92	\$8.20	\$9.50	\$0.60	\$0.00	\$0.75	\$0.19	\$0.00	\$0.00	\$37.16	\$46.12
1st yr C	65.00	\$19.42	\$8.20	\$9.50	\$0.60	\$0.00	\$0.75	\$0.19	\$0.00	\$0.00	\$38.66	\$48.36
2nd yr A	70.00	\$20.91	\$8.20	\$9.50	\$0.60	\$0.00	\$0.75	\$0.19	\$0.00	\$0.00	\$40.15	\$50.60
2nd yr B	75.00	\$22.40	\$8.20	\$9.50	\$0.60	\$0.00	\$0.75	\$0.19	\$0.00	\$0.00	\$41.64	\$52.84
3rd yr A	80.00	\$23.90	\$8.20	\$9.50	\$0.60	\$0.00	\$1.50	\$0.19	\$0.00	\$0.00	\$43.89	\$55.83
3rd yr B	85.00	\$25.39	\$8.20	\$9.50	\$0.60	\$0.00	\$1.50	\$0.19	\$0.00	\$0.00	\$45.38	\$58.07
4th yr A	90.00	\$26.88	\$8.20	\$9.50	\$0.60	\$0.00	\$2.25	\$0.19	\$0.00	\$0.00	\$47.62	\$61.06
4th yr B	95.00	\$28.38	\$8.20	\$9.50	\$0.60	\$0.00	\$2.25	\$0.19	\$0.00	\$0.00	\$49.12	\$63.30
4th yr C	100.00	\$29.87	\$8.20	\$9.50	\$0.60	\$0.00	\$2.25	\$0.19	\$0.00	\$0.00	\$50.61	\$65.54

Special Calculation Note : Other is Impact Fund Training

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

1 Journeymen to 1 Apprentice
2 Journeymen to 2 Apprentice
10 Journeymen to 4 Apprentices

ADAMS*, BROWN, BUTLER*, CLERMONT,
CLINTON*, HAMILTON, HIGHLAND*,
WARREN*

Special Jurisdictional Note : Adams County Twps included: Bratton, Scott, Winchester, Wayne. Butler County Twps included: Oxford, St. Clair, Fairfield, Morgan, Liberty, Union, Ross, Reily, Hanover. West Chester. In Clinton County, Manchester and South West Borrow. Highland County Twps included: Dotson, Salem, Clay, White Oak, Hamer, New Market, Concord, Jackson, Washington. Warren County Twps included: Harlan, Deerfield, Hamilton.

Details :

Structural Iron Work but not limited to:field fabrication, all loading to and including the erecting,rigging,assembly,dismantling, placing, temporary and permanent securing by any means of all structural iron,steel,ornamental lead,bronze,brass,copper,aluminum,glass all ferrous and non ferrous metal and composite material, precast prestressed and post-stressed concrete structures. Bridges and bridge rails,bridge viaducts,bucks bulkheads,bumper and bumper post,canopies and unistrut canopies,corrugated ferrous and non ferrous sheets when attached to steel frames,columns,beams,bar-joists,trusses,grinders,roof decking,electrical supports,elevator cars,elevator fronts and enclosures,erection of steel towers,flag poles, gymnasium equipment,stadium and arena seating,jail cell work,jail cell beds,benches,bunks,chairs,tables,mirrors,jail cell access doors,rigging and installation of machinery and equipment(erecting,aligning,anchoring and dismantling, erection and dismantling of tower cranes,derrick monorail systems, Chicago booms,overhead cranes,gantries,material and personnel hoists,tanks,hoppers and conveyors. All pre-engineered metal buildings and their entirety including siding,roofing, gutters, downspouts and erection of all.

Ornamental Iron Work but not limited to:all work in connection with field fabrication,handling including loading/off loading,sorting,cutting,fastening,anchoring,bending,hoisting,placing,burning,welding,and tying,dismantling of all materials used in miscellaneous iron or steel, for stairs,hand railings,rolling doors, rolling gates,rolling shutters,fence,windows,curtain wall,erection and welding of all metal, sash,architectural and ornamental treatments, but not necessarily limited to all sizes and types of ornamental,steel iron,lead,bronze,brass,copper,aluminum,all ferrous and non ferrous metals and composite materials

Fence Erector Iron Worker but not limited to: All work in connection with the field fabrication and erection of chain link fence,which includes but not limited to the loading and of the fence fabric and posts also the installation of the above.

Prevailing Wage Rate Skilled Crafts

Name of Union: Ironworker Local 290

Change # : LCN01-2019fbLoc290

Craft : Ironworker Effective Date : 06/01/2019 Last Posted : 05/23/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Ironworker Structural	\$29.23		\$8.20	\$9.50	\$0.65	\$0.00	\$4.00	\$0.02	\$0.00	\$0.00	\$51.60	\$66.21
Welder	\$29.23		\$8.20	\$9.50	\$0.65	\$0.00	\$4.00	\$0.02	\$0.00	\$0.00	\$51.60	\$66.21
Fence Erector	\$29.23		\$8.20	\$9.50	\$0.65	\$0.00	\$4.00	\$0.02	\$0.00	\$0.00	\$51.60	\$66.21
Reinforcing Rods	\$29.23		\$8.20	\$9.50	\$0.65	\$0.00	\$4.00	\$0.02	\$0.00	\$0.00	\$51.60	\$66.21
Machinery Mover	\$29.23		\$8.20	\$9.50	\$0.65	\$0.00	\$4.00	\$0.02	\$0.00	\$0.00	\$51.60	\$66.21
Sheeter	\$29.23		\$8.20	\$9.50	\$0.65	\$0.00	\$4.00	\$0.02	\$0.00	\$0.00	\$51.60	\$66.21
Metal Building Erector	\$29.23		\$8.20	\$9.50	\$0.65	\$0.00	\$4.00	\$0.02	\$0.00	\$0.00	\$51.60	\$66.21
Rigger & Erector	\$29.29		\$8.20	\$9.50	\$0.65	\$0.00	\$4.00	\$0.02	\$0.00	\$0.00	\$51.66	\$66.30
Apprentice	Percent											
1st year	65.15	\$19.04	\$8.20	\$9.50	\$0.65	\$0.00	\$2.50	\$0.02	\$0.00	\$0.00	\$39.91	\$49.44
2nd year	75.15	\$21.97	\$8.20	\$9.50	\$0.65	\$0.00	\$2.50	\$0.02	\$0.00	\$0.00	\$42.84	\$53.82
3rd year	85.15	\$24.89	\$8.20	\$9.50	\$0.65	\$0.00	\$2.50	\$0.02	\$0.00	\$0.00	\$45.76	\$58.20
4th year	95.15	\$27.81	\$8.20	\$9.50	\$0.65	\$0.00	\$2.50	\$0.02	\$0.00	\$0.00	\$48.68	\$62.59

Special Calculation Note : Other is for Industry Fund.

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ALLEN*, AUGLAIZE, BUTLER*, CHAMPAIGN*, CLARK, CLINTON, DARKE, FAYETTE*, GREENE, HARDIN*, HIGHLAND*, LOGAN*, MADISON*, MERCER*, MIAMI, MONTGOMERY, PREBLE, SHELBY, VAN WERT*, WARREN*

Special Jurisdictional Note : Allen County Twps included are: Auglaize, Perry, Shawnee, Amanda, Spencer, Marion, Sugar Creek, American, Bath, Jackson. Butler County Twps included are: Milford, Wayne, Madison, Lemon. Champaign Cnty Twps included are: Union, Urbana, Jackson, Concord, Salem, Mad River, Johnson, Harrison, Adams. Fayette County Twps included are: Green, Jasper, Concord, Jefferson. Hardin County Twps included are: Round Head, Marion,

Liberty. Highland County Twps included are: Fairfield, Penn, Union, Marshall, Liberty, Paint, Brush Creek. Logan County Twps included are: Richland, Stokes, Bloomfield, Washington, Harrison, McArthur, Lake, Liberty, Pleasant, Miami. Madison County Twps included are: Stokes. Mercer County Twps included are: Dublin, Washington, Jefferson, Recovery, Gibson, Union, Liberty, Butler, Granville, Center, Hopewell, Franklin, Marion. VanWert County Twps included are: Jennings. Warren County Twps included are: Franklin, Clear Creek, Turtle Creek, Wayne, Massie, Washington, Salem, Union.

Details :

Structural Iron Work but not limited to:field fabrication, all loading to and including the erecting,rigging,assembly,dismantling, placing, temporary and permanent securing by any means of all structural iron,steel,ornamental lead,bronze,brass,copper,aluminum,glass all ferrous and non ferrous metal and composite material, precast prestressed and post-stressed concrete structures. Bridges and bridge rails,bridge viaducts,bucks bulkheads,bumper and bumper post,canopies and unistrut canopies,corrugated ferrous and non ferrous sheets when attached to steel frames,columns,beams,bar-joists,trusses,grinders,roof decking,electrical supports,elevator cars,elevator fronts and enclosures,erection of steel towers,flag poles, gymnasium equipment,stadium and arena seating,jail cell work,jail cell beds,benches,bunks,chairs,tables,mirrors,jail cell access doors,rigging and installation of machinery and equipment(erecting,aligning,anchoring and dismantling, erection and dismantling of tower cranes,derrick monorail systems, Chicago booms,overhead cranes,gantries,material and personnel hoists,tanks,hoppers and conveyors. All pre-engineered metal buildings and their entirety including siding,roofing, gutters, downspouts and erection of all.

Ornamental Iron Work but not limited to:all work in connection with field fabrication,handling including loading/off loading,sorting,cutting,fastening,anchoring,bending,hoisting,placing,burning,welding,and tying,dismantling of all materials used in miscellaneous iron or steel, for stairs,hand railings,rolling doors, rolling gates,rolling shutters,fence,windows,curtain wall,erection and welding of all metal, sash,architectural and ornamental treatments, but not necessarily limited to all sizes and types of ornamental,steel iron,lead,bronze,brass,copper,aluminum,all ferrous and non ferrous metals and composite materials

Fence Erector Iron Worker but not limited to: All work in connection with the field fabrication and erection of chain link fence,which includes but not limited to the loading and of the fence fabric and posts also the installation of the above.

Prevailing Wage Rate

Skilled Crafts

Name of Union: Labor Hwy 3

Change # : LCN01-2020fbLocalHwy3

Craft : Laborer Group 1 Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Laborer Group 1	\$32.62		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.97	\$60.28
Group 2	\$32.79		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.14	\$60.54
Group 3	\$33.12		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.47	\$61.03
Group 4	\$33.57		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$44.92	\$61.71
Watch Person	\$25.35		\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$36.70	\$49.38
Apprentice	Percent											
0-1000 hrs	60.00	\$19.57	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$30.92	\$40.71
1001-2000 hrs	70.00	\$22.83	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$34.18	\$45.60
2001-3000 hrs	80.00	\$26.10	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$37.45	\$50.49
3001-4000 hrs	90.00	\$29.36	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$40.71	\$55.39
More than 4000 hrs	100.00	\$32.62	\$7.00	\$3.80	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$43.97	\$60.28

Special Calculation Note : Watchmen have no Apprentices. Tunnel Laborer rate with air-pressurized add \$1.00 to the above wage rate.

Ratio :

- 1 Journeymen to 1 Apprentice
- 3 Journeymen to 1 Apprentice thereafter

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN,

MORROW, MUSKINGUM, NOBLE, PAULDING,
 PERRY, PICKAWAY, PIKE, PREBLE, PUTNAM,
 RICHLAND, ROSS, SCIOTO, SENECA, SHELBY,
 TUSCARAWAS, UNION, VAN WERT, VINTON,
 WARREN, WASHINGTON, WAYNE, WILLIAMS,
 WYANDOT

Special Jurisdictional Note : Hod Carriers and Common Laborers - Heavy, Highway, Sewer, Waterworks, Utility, Airport, Railroad, Industrial and Building Site, Sewer Plant, Waste Water Treatment Facilities Construction

Details :

Group 1

Laborer (Construction); Plant Laborer or Yardman, Right-of-way Laborer, Landscape Laborer, Highway Lighting Worker, Signalization Worker, (Swimming) Pool Construction Laborer, Utility Man, *Bridge Man, Handyman, Joint Setter, Flagperson, Carpenter Helper, Waterproofing Laborer, Slurry Seal, Seal Coating, Surface Treatment or Road Mix Laborer, Riprap Laborer & Grouter, Asphalt Laborer, Dump Man (batch trucks), Guardrail & Fence Installer, Mesh Handler & Placer, Concrete Curing Applicator, Scaffold Erector, Sign Installer, Hazardous Waste (level D), Diver Helper, Zone Person and Traffic Control.

*Bridge Man will perform work as per the October 31, 1949, memorandum on concrete forms, by and between the United Brotherhood of Carpenters and Joiners of America and the Laborers' International Union of North America, which states in; "the moving, cleaning, oiling and carrying to the next point of erection, and the stripping of forms which are not to be re-used, and forms on all flat arch work shall be done by members of the Laborers' International Union of North America."

Group 2

Asphalt Raker, Screwman or Paver, Concrete Puddler, Kettle Man (pipeline), All Machine-Driven Tools (Gas, Electric, Air), Mason Tender, Brick Paver, Mortar Mixer, Skid Steer, Sheeting & Shoring Person, Surface Grinder Person, Screedperson, Water Blast, Hand Held Wand, Power Buggy or Power Wheelbarrow, Paint Striper, Plastic fusing Machine Operator, Rodding Machine Operator, Pug Mill Operator, Operator of All Vacuum Devices Wet or Dry, Handling of all Pumps 4 inches and under (gas, air or electric), Diver, Form Setter, Bottom Person, Welder Helper (pipeline), Concrete Saw Person, Cutting with Burning Torch, Pipe Layer, Hand Spiker (railroad), Underground Person (working in sewer and waterline, cleaning, repairing and reconditioning). Tunnel Laborer (without air), Caisson, Cofferdam (below 25 feet deep), Air Track and Wagon Drill, Sandblaster Nozzle Person, Hazardous Waste (level B), ***Lead Abatement, Hazardous Waste (level C)

***Includes the erecting of structures for the removal, including the encapsulation and containment of Lead abatement process.

Group 3

Blast and Powder Person, Muckers will be defined as shovel men working directly with the miners, Wrencher (mechanical joints & utility pipeline), Yarnier, Top Lander, Hazardous Waste (level A), Concrete Specialist, Curb Setter and Cutter, Grade Checker, Concrete Crew in Tunnels. Utility pipeline Tappers, Waterline, Caulker, Signal Person will receive the rate equal to the rate paid the Laborer classification for which the Laborer is signaling.

Group 4

Miner, Welder, Gunite Nozzle Person

A.) The Watchperson shall be responsible to patrol and maintain a safe traffic zone including but not limited to barrels, cones, signs, arrow boards, message boards etc.

The responsibility of a watchperson is to see that the equipment, job and office trailer etc. are secure.

Prevailing Wage Rate Skilled Crafts

Name of Union: Labor Local 534 Building

Change # : LCNO1-2019fbLoc534.

Craft : Laborer Effective Date : 06/01/2019 Last Posted : 05/23/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Laborer Group 1	\$27.59		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$38.84	\$52.64
Laborer Group 2	\$27.69		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$38.94	\$52.79
Laborer Group 3	\$27.79		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$39.04	\$52.94
Laborer Group 4	\$27.92		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$39.17	\$53.13
Laborer Group 5	\$28.17		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$39.42	\$53.51
Laborer Group 6	\$27.94		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$39.19	\$53.16
Laborer Group 7	\$27.14		\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$38.39	\$51.96
Apprentice												
	Percent											
0-1000 hrs	60.00	\$16.55	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$27.80	\$36.08
1001-2000 hrs	70.00	\$19.31	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$30.56	\$40.22
2001-3000 hrs	80.00	\$22.07	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$33.32	\$44.36
3001-4000	90.00	\$24.83	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$36.08	\$48.50
4001	100.00	\$27.59	\$7.00	\$3.70	\$0.45	\$0.00	\$0.00	\$0.00	\$0.10	\$0.00	\$38.84	\$52.64

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeyman to 1 Apprentice
3 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BUTLER, WARREN

Special Jurisdictional Note :

Details :

Note:

Group 1: Building & Common Laborer; All general laborers work including all forms of landscaping, Rough Rider - all pump's 4 inch or smaller, Small Pump Portable Generators-Bobcat to Cleanup, Firewatch and Monitor, (Safety Person)

Group 2: Asphalt Raker, Tamper, Smoother, Hand Air Pump, Hand air Tamper, Chisel, Power Tamper, Operator, Switch, Assemblies, Handling & Laying Precast Concrete Floors & Deck Tool Repairman.

Group 3: Concrete Specialist; Skid Steers (with attachments to perform Laborer's duties) Jack Hammer * Concrete Busterman, Barco Tamper Man, Power Georgia Buggy Man, Power Sweeper Man, Vibrator, Concrete Saw Man, Rail Spikers, Acetylene Burner, Pipelayers, Bos'n Cradleman, Bottom Man, Chipping Hammer Grade Checker, Radio Operator, Form Cleanout & blowout Man, Red Concrete Coloring Man (Electrical Safety)

Group 4: Mason Tender, Mortar Mixers & Scaffold Builders

Group 5: Fork Lift for Mason, all work involving Refractory Materials Including Demolition of Refractory Materials.

Asbestos Removal and Hazardous Waste Removal (handling, control, removal abatement, encapsulation or disposal of asbestos & hazardous waste),

Group 6: Gunnite Man, Sand Blaster, Concrete & Grout Pump & Hose Man, Blast Trac, Miners & Muckers, Free Air, Powderman or Blaster, Mortar or Gypsum Machineman, Welder, Scuba Diver.

Group 7: Watchman & Tool Checker/Toolroom Man

Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - Building Local 18 - Zone III

Change # : LCN01-2020fbLoc18zone3

Craft : Operating Engineer Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Operator Class 1	\$38.24		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.69	\$72.81
Class 2	\$38.12		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.57	\$72.63
Class 3	\$37.08		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$52.53	\$71.07
Class 4	\$35.90		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$51.35	\$69.30
Class 5	\$30.44		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$45.89	\$61.11
Class 6	\$38.49		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.94	\$73.18
Class 7	\$38.74		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.19	\$73.56
Class 8	\$39.24		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.69	\$74.31
Class 9	\$39.49		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$54.94	\$74.68
Apprentice	Percent											
1st Year	50.00	\$19.12	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.57	\$44.13
2nd Year	60.00	\$22.94	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.39	\$49.87
3rd Year	70.00	\$26.77	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$42.22	\$55.60
4th Year	80.00	\$30.59	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.04	\$61.34
Field Mechanic Trainee												
1st Year	50.00	\$19.12	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.57	\$44.13
2nd Year	60.00	\$22.94	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.39	\$49.87
3rd Year	70.00	\$26.77	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$42.22	\$55.60
4th Year	80.00	\$30.59	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.04	\$61.34

Special Calculation Note : Other: Education & Safety \$0.09

Ratio :

For every (3) Operating Engineer Journeymen employed by the company there may be employed (1) Registered Apprentice or trainee Engineer through the referral when they are available. An apprenice, while employed as part of a crew per Article VIII, paragraph

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE,

77, will not be subject to the apprenticeship ratios in this collective bargaining agreement

GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, MADISON, MARION, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WYANDOT

Special Jurisdictional Note :

Details :

**Apprentices will receive a 10% increase on top of the percentages listed above provided they are operating mobile equipment. Mechanic Trainees will receive 10% increase if required to have CDL

Class 1 - Barrier Moving Machine; Boiler Operators or Compressor Operators, when compressor or boiler is mounted on crane (Piggyback Operation); Boom Trucks (all types); Cableways Cherry Pickers; Combination - Concrete Mixers & Towers; All Concrete Pumps with Booms; Cranes (all types) Derricks (all types); Draglines Dredges (dipper, clam or suction) 3-man crew; Elevating Graders or Euclid Loaders; Floating Equipment; Gradalls; Helicopter Operators; hoisting building materials; Helicopter Winch Operators, Hoisting building materials; Hoes (All types); Hoists (with two or more drums in use); Hydraulic Gantry (lift system); Laser Finishing Machines; Lift Slab or Panel Jack Operators; Locomotives (all types); Maintenance Engineers (Mechanic and/or Welder); Mixers, paving (multiple drum); Mobile Concrete Pumps, with booms, Panelboards, (all types on site); Pile Drivers; Power Shovels; Prentice Loader; Rail Tamper (with automatic lifting and aligning device); Rotary Drills (all) used on caissons for foundations and sub-structure work; Side Booms; Slip Form Pavers; Straddle Carriers (Building Construction on site); Tug Boats. Horizontal Directional Drill, Rough Terrain Fork-lift with Winch/Hoist, Laser Screed, and Like equipment; Compact Cranes, track or rubber over 4,000 pound capacity, self-erecting cranes: stationary, track or truck (all configurations) bucket trench machines (over 24 " wide).

Class 2 - Asphalt Pavers; Bobcat-type and/or skid steer loader with hoe attachment greater than 7000 lbs. Bulldozers; CMI type Equipment; Endloaders; Hydro Milling Machine; Kolman-type Loaders (Dirt Loading); Lead Greasemen; Mucking Machines; Pettibone-Rail Equipment; Power Graders; Power Scoops; Power Scrapers; Push Cats; Vermeer Type Concrete Saw; All rotomills, grinders & planers of all types. Articulating/end dumps (minus \$4.00/hour from Class 2 rate)

Class 3 - A Frames; Air Compressors, Pressurizing Shafts or Tunnels; All Asphalt Rollers; Bobcat-type and/or skid steer loader with or without attachments; Boilers (15 lbs pressure and over); All concrete Pumps (without booms with 5 inch system); Fork Lifts (except masonry); Highway Drillers - all types (with integral power); Hoists (with one drum); House Elevators (except those automatic call button controlled); Man lifts; Mud Jacks; Pressure Grouting; Pump Operators (installing or operating Well Points or other types of Dewatering Systems); Pumps (4 inches and over discharge); Railroad Tie Inserter/Remover; Rotator (Lime-Soil Stabilizer); Submersible Pumps (4 inches and over discharge); Switch & Tie Tampers (without lifting and aligning device); Trench Machines (24 inches and under); Utility Operators; Material hoist/elevators.

Class 4 - Ballast Re-locator; Backfillers and Tampers; Batch Plant Operators; Bar and Joint Installing Machines; Bull Floats; Burlap and Curing Machines; Clefplanes; Compressors, on building construction; Concrete Spreader; Conveyors, used for handling building materials; Concrete Mixers, one bag capacity (side loader); Concrete Mixers, capacity more than one bag; Crushers; Deck Hands; Drum Fireman (in Asphalt Plant); Farm type tractors pulling attachments; Finishing Machines; Form Trenchers; Generators; Gunite Machines; Hydro-

Seeders; Pavement Breakers (hydraulic or cable); Post Drivers; Post Hole Diggers; Pressure Pumps (over 1/2 inch discharge); Road Widening Trenchers; Rollers (except asphalt); All Concrete pumps (without Boom with 4 inch or smaller systems); Self-Propelled Power Spreaders; Concrete Spreaders; Self-Propelled Sub-graders; Shotcrete Machines; Tire Repairmen; Tractors, pulling sheepfoot rollers or graders; VAC/ALLS; Vibratory Compactors, with integral power; Welder Operators.

Class 5 - Boilers (less than 15 lbs. pressure); Inboard/outboard Motor Boat Launches; Light Plant Operators; Masonry Fork Lifts; Oilers/Helpers; Power Driven Heaters (oil fired); Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalmen, Submersible Pumps (under 4 inch discharge). Directional Drill Locator and Allen Screed Concrete Paver. Fueling and greasing (Primary Operator with Specialized CDL Endorsement Add \$3.00/ hour), compact cranes; track or rubber under 4,000 pounds.

Class 6 - Master Mechanic

Class 7 - Boom & Jib 150 - 180 feet

Class 8 - Boom & Jib 180 - 249 feet

Class 9 - Boom & Jib 250 - or over

Prevailing Wage Rate Skilled Crafts

Name of Union: Operating Engineers - HevHwy Zone II

Change # : LCN01-2020fbLoc18hevhwyl

Craft : Operating Engineer Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Operator Class 1	\$38.24		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.69	\$72.81
Class 2	\$38.12		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.57	\$72.63
Class 3	\$37.08		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$52.53	\$71.07
Class 4	\$35.90		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$51.35	\$69.30
Class 5	\$30.44		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$45.89	\$61.11
Class 6	\$38.49		\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$53.94	\$73.18
Apprentice	Percent											
1st Year	50.00	\$19.12	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.57	\$44.13
2nd Year	60.00	\$22.94	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.39	\$49.87
3rd Year	70.00	\$26.77	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$42.22	\$55.60
4th Year	80.00	\$30.59	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$46.04	\$61.34
Field Mech Trainee Class 2												
1st year	49.85	\$19.06	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$34.51	\$44.04
2nd year	59.80	\$22.87	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$38.32	\$49.75
3rd year	69.77	\$26.68	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$42.13	\$55.47
4th year	79.75	\$30.50	\$8.51	\$6.00	\$0.85	\$0.00	\$0.00	\$0.09	\$0.00	\$0.00	\$45.95	\$61.19

Special Calculation Note : Other: Education & Safety Fund is \$0.09 per hour.

Ratio :

For every (3) Operating Engineer Journeymen employed by the company , there may be employed (1) Registered Apprentice or Trainee Engineer through the referral when they are available. An apprentice, while employed as part of a crew per Article VIII paragraph 65, will not be subject the apprenticeship ratios in this collective bargaining agreement.

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS,

MADISON, MARION, MEIGS, MERCER, MIAMI,
 MONROE, MONTGOMERY, MORGAN, MORROW,
 MUSKINGUM, NOBLE, OTTAWA, PAULDING,
 PERRY, PICKAWAY, PIKE, PREBLE, PUTNAM,
 RICHLAND, ROSS, SANDUSKY, SCIOTO,
 SENECA, SHELBY, STARK, TUSCARAWAS,
 UNION, VAN WERT, VINTON, WARREN,
 WASHINGTON, WAYNE, WILLIAMS, WOOD,
 WYANDOT

Special Jurisdictional Note :

Details :

**Apprentices will receive a 10% increase on top of the percentages listed above provided they are operating mobile equipment. Mechanic Trainees will receive 10% increase if they are required to have CDL.

Class 1 - Air Compressors on Steel Erection; Barrier Moving Machine; Boiler Operators, on Compressors or Generators, when mounted on a rig; Cableways, Combination Concrete mixers & Towers; Concrete Pumps; Concrete Plants (over 4 yd capacity); Cranes (all types, including Boom Trucks, Cherry Pickers); Derricks; Draglines, Dredgers (dipper, clam or suction); Elevating Graders or Euclid Loaders; Floating Equipment (all types); Gradalls, Helicopter Crew (Operator- hoist or winch); Hoes (all types); Hoisting Engines, on shaft or tunnel work; Hydraulic Gantry (lifting system); Industrial - Type Tractors; Jet Engine Dryers (D8 or D9), Diesel Tractors; Locomotives (standard gage); Maintenance Operators (class A); Mixers, paving (single or double drum); Mucking Machines; Multiple Scrapers; Piledriving Machines (all types); Power Shovels, Prentice Loader; Quad 9 (double pusher); Rail Tamper (with automatic lifting and aligning device); Refrigerating Machines (freezer operation); Side Booms; Slip Form Pavers; Tower Dericks; Tree Shredders; Truck Mounted Concrete Pumps; Tug Boats; Tunnel Machines and /or Mining Machines; Wheel Excavators. Rough Terrain Fork-lift with Winch/Hoist; Compact Cranes, track rubber over 4,000 pound capacity, self-erecting cranes; stationary, track or truck (all configurations) Bucket trench machines (over 24 inches wide).

Class 2 - Asphalt Pavers; Automatic Subgrade Machines, self-propelled (CMI-type); Bobcat-type and /or skid steer loader with hoe attachment greater than 7000 lbs.; Boring Machine Operators (more than 48 inches); Bulldozers; Endloaders; Hydro Milling Machine; Kolman-type Loaders (production type-dirt); Lead Greasemen; Maintenance Operators, Class B (Portage and Summit Counties only); Pettibone-Rail Equipment; Power Graders; Power Scrapers; Push Cats; Lighting and Traffic Signal Installation Equipment includes all groups or classifications; Trench Machines (24inch wide and under); Vermeer Type Concrete saw. Material Transfer Equipment (Shuttle buggy) Asphalt; All rotomills,grinders and planers of all types. Horizontal Directional Drill (Over 50,000 ft.lbs.thrust and over)

Class 3 - A-Frames; Air Compressors, on tunnel work (low Pressure); Asphalt Plant Engineers; Bobcat-type and/or skid steer loader with or without attachments; Power Boilers (15 lbs pressure and over); Highway Drills (all types); Rollers, asphalt; Pump Operators (installing or operating well Points); Pumps (4 inch and over discharge); Railroad Tie Inserter/Remover; Rotator (lime-soil Stabilizer), Switch & Tie Tampers (without lifting and aligning device); Locomotives (narrow gage); Mixers, concrete (more than one bag capacity); Mixers, one bag capacity (side loader); Utilities Operators, (small equipment); Welding Machines; Material hoist/elevators. Articulating/straight bed end dumps if assigned (minus \$4.00 per hour).

Class 4 -Ballast Re-locator; Backfillers, Batch Plants; Bar and Joint Installing Machines; Boring Machine Operators (48 inch or less); Bull Floats; Burlap and Curing Machines; Concrete Plants (capacity 4 yd and under); Conveyors (highway); Concrete Saws (multiple); Crushers; Deckhands; Farm type tractors, with attachments (highway), except masonry; Finishing Machines; Firemen, Floating Equipment (all types); Fork Lifts (highway); Form Trenchers; Hydro Hammers; Hydro Seeders; Pavement Breakers; Plant Mixers; Post Drivers; Post Hole Diggers (power auger); Power Brush Burners; Power Form Handling Equipment; Road Widening Trenchers; Rollers (brick, grade, macadam); Self-Propelled Power Spreaders; Self-Propelled Sub-

Graders; Tractors, pulling sheepsfoot rollers or graders; Steam Firemen; Vibratory Compactors, with integral power.

Class 5 - Compressors (portable, Sewer, Heavy and Highway); Generators; Inboard-Outboard Motor Boat Launches; Masonry Fork Lifts; Oilers/Helpers; Power Driven Heaters; Power Scrubbers; Power Sweepers; Pumps (under 4 inch discharge); Signalmen; Drum Fireman (in Asphalt Plant); Oil Heaters (Asphalt Plant); Tire Repairmen; VAC/ALLS; Fueling and greasing (Primary Operator with Specialized CDL Endorsement Add \$3.00/ hour), compact cranes: track or rubber under 4,000 pounds.

Class 6 - Master Mechanic

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Locals 123 & 238

Change # : LCR01-2020fbLoc123-238

Craft : Drywall Finisher Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Drywall Finisher	\$25.30	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.70	\$49.35
Tapers and Finishers	\$25.30	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.70	\$49.35
Apprentice											
1st Year	\$14.19	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.49	\$29.58
2nd Year	\$16.88	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.18	\$33.62
3rd Year	\$19.57	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.87	\$37.66
4th Year	\$20.92	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.22	\$39.68

Special Calculation Note : Apprentices shall be paid the proper % of the classification above.

Ratio :

1 Journeyman to 1 Apprentice per job

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, CLINTON, HAMILTON, WARREN

Special Jurisdictional Note :

Details :

Industrial Work paid as commercial work above for each class which includes, Industrial Plants, repair garages, processing plants, storage tanks, warehouses, skeletons structures, bridges unless highest point of clearance is 60 feet or more whether new or old construction offices and office buildings in industrial sites are at industrial rates. Heavy & Highway Bridges-Guard Rails- Light Poles. A hazardous steeplejack rate shall apply on radio towers, stacks, light towers, water towers, steeples, skeleton steel, and exterior industrial conveyors over 25 feet, where such items require steeplejack methods and the rate of pay shall be a \$1.00 per hour above the industrial rate. Steeplejack rate to apply to bridges where highest point of clearance is 60 feet.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Locals 123 & 238
Commercial & Industrial

Change # : LCR01-2020fbLoc123

Craft : Painter Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Brush Roll	\$25.30	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.70	\$49.35
Paper Hanger	\$25.30	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.70	\$49.35
Spray Painter	\$25.80	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.20	\$50.10
Sand Blaster Water Blaster	\$26.05	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.45	\$50.48
Elevated Tanks	\$26.30	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.70	\$50.85
Apprentice											
1st Year	\$14.19	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$22.49	\$29.58
2nd Year	\$16.88	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.18	\$33.62
3rd Year	\$19.57	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$27.87	\$37.66
4th Year	\$20.92	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.22	\$39.68

Special Calculation Note : Apprentices shall be paid the proper % of the classification above.

Ratio :

(1) Journeymen to (1) Apprentice per jobsite

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, CLINTON,
HAMILTON, WARREN

Special Jurisdictional Note :

Details :

Industrial Work paid as commercial work above for each class which includes, Industrial Plants, repair garages, processing plants, storage tanks, warehouses, skeletons structures, bridges unless highest point of clearance is 60 feet or more whether new or old construction offices and office buildings in industrial sites are at industrial rates. Heavy & Highway Bridges-Guard Rails- Light Poles. A hazardous steeplejack rate shall apply on radio towers, stacks, light towers, water towers, steeples, skeleton steel, and exterior industrial conveyors over 25 feet, where such items require steeplejack methods and the rate of pay shall be a \$1.00 per hour above the

industrial rate. Steeplejack rate to apply to bridges where highest point of clearance is 60 feet.

Prevailing Wage Rate

Skilled Crafts

Name of Union: Painter Local 123 & 238 Hvy Hwy

Change # : LCR01-2020fbLoc123

Craft : Painter Effective Date : 05/14/2020 Last Posted : 05/14/2020

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Bridge Class 1	\$33.00	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$44.40	\$60.90
Bridge Painter, Rigger, Containment Builder, Spot Blaster Class 2	\$27.00	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.40	\$51.90
Equipment Operator/Field Mechanic, Grit Reclamation, Paint Mixer, Traffic Control, Boat Person Class 3	\$27.00	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.40	\$51.90
Concrete Sealing, Concrete Blasting/Power Washing, Etc. Class 4	\$27.00	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.40	\$51.90
Quality Control/Quality Assurance, Traffic Safety, Competent Person Class 5	\$26.00	\$5.69	\$5.40	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.40	\$50.40
Apprentice											
1st Year	\$17.13	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$25.43	\$34.00
2nd Year	\$20.25	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.55	\$38.67
3rd Year	\$23.36	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.66	\$43.34
4th Year	\$24.92	\$5.69	\$2.30	\$0.31	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$33.22	\$45.68

Special Calculation Note : Apprentices shall be paid proper % of the classification above..

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

1 Journeyman to 1 Apprentice

BROWN, BUTLER, CLERMONT, CLINTON,
HAMILTON, WARREN**Special Jurisdictional Note :****Details :**

Industrial Work paid as commercial work above for each class which includes, Industrial Plants, repair garages, processing plants, storage tanks, warehouses, skeletons structures, bridges unless highest point of clearance is 60 feet or more whether new or old construction offices and office buildings in industrial sites are at industrial rates. Heavy & Highway Bridges-Guard Rails- Light Poles. A hazardous steeplejack rate shall apply on radio towers, stacks, light towers, water towers, steeples, skeleton steel, and exterior industrial conveyors over 25 feet, where such items require steeplejack methods and the rate of pay shall be a \$1.00 per hour above the industrial rate. Steeplejack rate to apply to bridges where highest point of clearance is 60 feet.

Class 1 – Abrasive blasting of any kind.

Class 2 – Bridge painting, coating application of any kind. All steel surface preparation other than abrasive blasting. All necessary rigging and containment building. All remedial/ spot blasting.

Class 3 – Tend to all equipment including but not limited to abrasive blasting, power washing, spray painting, forklifts, hoists, trucks, etc. Load and unload trucks, handle materials, man safety boats, handle traffic control, clean up/ vacuum abrasive blast materials and related tasks.

Class 4 – All aspects of concrete coating/ sealing including but not limited to preparation, containment, etc.

Class 5 – Verify and record that all work is completed according to job specifications. Assure that all health and safety standards are adhered to. Assure all traffic is safely handled.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639

Change # : LCNO1-2015fbLoc639

Craft : Painter Effective Date : 06/10/2015 Last Posted : 06/10/2015

	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification											
Painter Metal Finisher/Helpers											
Top Helper Class A	\$19.09	\$3.65	\$0.00	\$0.00	\$0.66	\$0.00	\$0.00	\$0.00	\$0.00	\$23.40	\$32.94
Top Helper Class B	\$19.09	\$3.65	\$0.65	\$0.00	\$1.03	\$0.00	\$0.37	\$0.00	\$0.00	\$24.79	\$34.33
Top Helper Class C	\$19.09	\$3.65	\$1.00	\$0.00	\$1.76	\$0.00	\$0.37	\$0.00	\$0.00	\$25.87	\$35.41
Helper Class A	\$14.69	\$3.65	\$0.00	\$0.00	\$0.51	\$0.00	\$0.00	\$0.00	\$0.00	\$18.85	\$26.19
Helper Class B	\$14.69	\$3.65	\$0.65	\$0.00	\$0.79	\$0.00	\$0.28	\$0.00	\$0.00	\$20.06	\$27.40
Helper Class C	\$14.69	\$3.65	\$1.00	\$0.00	\$1.64	\$0.00	\$0.28	\$0.00	\$0.00	\$21.26	\$28.60
New Hire 90 Days	\$11.00	\$3.65	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$14.65	\$20.15

Special Calculation Note : Other is Sick and Personal Time

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, CUYAHOGA, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GEAUGA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAKE, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY,

SCIOTO, SENECA, SHELBY, STARK, SUMMIT,
TRUMBULL, TUSCARAWAS, UNION, VAN
WERT, VINTON, WARREN, WASHINGTON,
WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :

Top Helper: Shall perform the responsibilities of a Helper and be responsible for the setup, break down, safety and quality of the company's product.

Helper : Shall be responsible for performing tasks in refinishing, compliance with safety procedures, setting up and breaking down job sites, scaffolding and swing stages and preparing surfaces for refinishing including but not limited to, masking and stripping and cleaning, oxidizing, polishing and scratch removal on various surfaces

Class A Workers: Less than 1 Year of Service.

Class B Workers: More than 1 and less than 8 Years of Service.

Class C Workers: More than 8 Years of Service.

Metal Polisher Scope of Work: Polishing, buffing, stripping, coloring, lacquering, spraying, cleaning and maintenance of ornamental and architectural metals, iron, bronze, nickel, aluminum and stainless steel and in mental specialty work, various stone finishes, stone specialty work and any other work pertaining to the finishing of metal, stones, woods, and any window washing/cleaning done in conjunction with this work, using chemicals, solvents, coatings and hand applied lacquer thinner, removing scratches from mirror finished metals, burnishing of bronze, statuary finishes on exterior and interior surfaces and the use of all tools required to perform such work, including but not limited to polishes, spray equipment and scaffolding.

Swing State Rate: All work on scaffold 4 sections or higher, including any boom lifts and swing stage scaffolds including the rigging and derigging of hanging/suspended swing stage systems and rappelling/bolson chair work, ADD \$1.50 per hour.

Prevailing Wage Rate Skilled Crafts

Name of Union: Painter Local 639 Zone 2 Sign

Change # : LCN01-2016fbLoc639

Craft : Painter Effective Date : 08/03/2016 Last Posted : 08/03/2016

Classification	BHR	Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
		H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Painter Sign Journeyman Tech/Team Leader Class A	\$21.25	\$1.33	\$0.14	\$0.00	\$0.00	\$0.00	\$0.57	\$0.00	\$0.00	\$23.29	\$33.92
Painter Sign Journeyman Tech/Team Leader Class B	\$21.25	\$1.33	\$0.14	\$0.00	\$0.41	\$0.00	\$0.57	\$0.00	\$0.00	\$23.70	\$34.32
Painter Sign Journeyman Tech/Team Leader Class C	\$21.25	\$1.33	\$0.14	\$0.00	\$0.82	\$0.00	\$0.57	\$0.00	\$0.00	\$24.11	\$34.74
Painter Sign Journeyman Tech/Team Leader Class D	\$21.25	\$1.33	\$0.14	\$0.00	\$1.23	\$0.00	\$0.57	\$0.00	\$0.00	\$24.52	\$35.14
Sign Journeyman Class A	\$20.98	\$1.33	\$0.14	\$0.00	\$0.00	\$0.00	\$0.56	\$0.00	\$0.00	\$23.01	\$33.50
Sign Journeyman Class B	\$20.98	\$1.33	\$0.14	\$0.00	\$0.40	\$0.00	\$0.56	\$0.00	\$0.00	\$23.41	\$33.90
Sign Journeyman Class C	\$20.98	\$1.33	\$0.14	\$0.00	\$0.81	\$0.00	\$0.56	\$0.00	\$0.00	\$23.82	\$34.31
Sign Journeyman Class D	\$20.98	\$1.33	\$0.14	\$0.00	\$1.21	\$0.00	\$0.56	\$0.00	\$0.00	\$24.22	\$34.71
Tech Sign Fabrication/ Erector Class A	\$15.90	\$1.33	\$0.14	\$0.00	\$0.00	\$0.00	\$0.43	\$0.00	\$0.00	\$17.80	\$25.75
Tech Sign Fabrication/ Erector Class B	\$15.90	\$1.33	\$0.14	\$0.00	\$0.31	\$0.00	\$0.43	\$0.00	\$0.00	\$18.11	\$26.06
Tech Sign Fabrication/ Erector Class C	\$15.90	\$1.33	\$0.14	\$0.00	\$0.61	\$0.00	\$0.43	\$0.00	\$0.00	\$18.41	\$26.36
Tech Sign Fabrication/ Erector Class D	\$15.90	\$1.33	\$0.14	\$0.00	\$0.92	\$0.00	\$0.43	\$0.00	\$0.00	\$18.72	\$26.67

Special Calculation Note : Other is for paid holidays.

Ratio :

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, AUGLAIZE, BROWN, BUTLER,
CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON,
COLUMBIANA, COSHOCTON, CRAWFORD, DARKE,
DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE,
FRANKLIN, FULTON, GREENE, HAMILTON, HANCOCK,
HARDIN, HENRY, HIGHLAND, HOLMES, HURON,
JACKSON, KNOX, LICKING, LOGAN, LORAIN, LUCAS,
MADISON, MAHONING, MARION, MERCER, MIAMI,
MONTGOMERY, MORROW, MUSKINGUM, OTTAWA,
PAULDING, PERRY, PICKAWAY, PIKE, PREBLE,
PUTNAM, ROSS, SANDUSKY, SCIOTO, SENECA,
SHELBY, STARK, TRUMBULL, TUSCARAWAS, UNION,
VAN WERT, WARREN, WAYNE, WILLIAMS, WOOD,
WYANDOT

Special Jurisdictional Note :

Details :

Class A: less than 1 year.

Class B: 1-3 years.

Class C: 3-10 years.

Class D: More than 10 years.

Prevailing Wage Rate Skilled Crafts

Name of Union: Plasterer Local 132 (Cincinnati)

Change # : LCN01-2016fbLoc132

Craft : Plasterer Effective Date : 06/24/2016 Last Posted : 06/24/2016

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Plasterer	\$23.61		\$5.59	\$6.15	\$0.50	\$0.00	\$0.60	\$0.00	\$0.00	\$0.00	\$36.45	\$48.25
Apprentice												
	Percent											
1st 900 hours	55.00	\$12.99	\$5.59	\$0.00	\$0.50	\$0.00	\$0.60	\$0.00	\$0.00	\$0.00	\$19.68	\$26.17
2nd 900 hours	60.00	\$14.17	\$5.59	\$0.00	\$0.50	\$0.00	\$0.60	\$0.00	\$0.00	\$0.00	\$20.86	\$27.94
3rd 900 hours	65.00	\$15.35	\$5.59	\$6.15	\$0.50	\$0.00	\$0.60	\$0.00	\$0.00	\$0.00	\$28.19	\$35.86
4th 900 hours	70.00	\$16.53	\$5.59	\$6.15	\$0.50	\$0.00	\$0.60	\$0.00	\$0.00	\$0.00	\$29.37	\$37.63
5th 900 hours	80.00	\$18.89	\$5.59	\$6.15	\$0.50	\$0.00	\$0.60	\$0.00	\$0.00	\$0.00	\$31.73	\$41.17
6th 900 hours	85.00	\$20.07	\$5.59	\$6.15	\$0.50	\$0.00	\$0.60	\$0.00	\$0.00	\$0.00	\$32.91	\$42.94
7th 900 hours	90.00	\$21.25	\$5.59	\$6.15	\$0.50	\$0.00	\$0.60	\$0.00	\$0.00	\$0.00	\$34.09	\$44.71
8th 900 hours	95.00	\$22.43	\$5.59	\$6.15	\$0.50	\$0.00	\$0.60	\$0.00	\$0.00	\$0.00	\$35.27	\$46.48

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

- 1 Journeyman to 1 Apprentice
- 4 Journeyman to 2 Apprentice
- 7 Journeyman to 3 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, HAMILTON,
HIGHLAND, WARREN

Special Jurisdictional Note :

Details :

Apprentice and Shop Hand Pension are \$1.00 less than Journeyman.

Prevailing Wage Rate Skilled Crafts

Name of Union: Plumber Pipefitter Local 392

Change # : LCN01-2019-fbLoc392

Craft : Plumber/Pipefitter Effective Date : 06/05/2019 Last Posted : 06/05/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Plumber Pipefitter	\$32.81		\$7.40	\$12.39	\$0.50	\$0.00	\$0.00	\$0.98	\$0.00	\$0.00	\$54.08	\$70.48
Plumber Helper	\$21.33		\$7.30	\$6.59	\$0.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$35.72	\$46.38
Apprentice	Percent											
1st yr	46.50	\$15.26	\$7.20	\$0.40	\$0.50	\$0.00	\$0.00	\$0.48	\$0.00	\$0.00	\$23.84	\$31.46
2nd yr	51.53	\$16.91	\$7.20	\$0.40	\$0.50	\$0.00	\$0.00	\$0.48	\$0.00	\$0.00	\$25.49	\$33.94
3rd yr	56.53	\$18.55	\$7.20	\$6.59	\$0.50	\$0.00	\$0.00	\$0.48	\$0.00	\$0.00	\$33.32	\$42.59
4th yr	61.53	\$20.19	\$7.20	\$6.59	\$0.50	\$0.00	\$0.00	\$0.48	\$0.00	\$0.00	\$34.96	\$45.05
5th yr	76.53	\$25.11	\$7.20	\$12.39	\$0.50	\$0.00	\$0.00	\$0.48	\$0.00	\$0.00	\$45.68	\$58.23

Special Calculation Note : OTHER IS: SUPPLEMENTAL UNEMPLOYMENT BENEFITS.

Ratio :

- 1 Journeymen to 1 Apprentice
- 2 Journeymen to 4 Apprentices
- 3 Journeymen to 6 Apprentices

Jurisdiction (* denotes special jurisdictional note) :

BROWN, BUTLER, CLERMONT, HAMILTON, WARREN

When more than twenty (20) Journeymen are employed additional apprentices may be acquired at a ratio of one (1) apprentice to four (4) journeymen.

Special Jurisdictional Note :

Details :

Helpers shall be permitted to work on ONLY , Exterior Sewers, Concrete, Vitrified Clay or PVC Pipe and Digging and Backfilling for Piping Work. The ratio shall not exceed 2 helpers to 1 Journeymen when performing the scope of work listed above

Prevailing Wage Rate Skilled Crafts

Name of Union: Roofer Local 42

Change # : LCNO2-2019fbLoc42

Craft : Roofer Effective Date : 09/19/2019 Last Posted : 09/19/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Roofer	\$28.25		\$7.87	\$7.55	\$0.32	\$0.00	\$0.50	\$0.06	\$0.00	\$0.00	\$44.55	\$58.67
Tradesmen	\$22.60		\$7.87	\$6.04	\$0.00	\$0.00	\$0.50	\$0.03	\$0.00	\$0.00	\$37.04	\$48.34
Apprentice												
	Percent											
1st period	60.00	\$16.95	\$7.87	\$4.53	\$0.03	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$29.88	\$38.35
2nd period	70.00	\$19.77	\$7.87	\$5.28	\$0.03	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$33.46	\$43.34
3rd period	80.00	\$22.60	\$7.87	\$6.04	\$0.03	\$0.00	\$0.50	\$0.00	\$0.00	\$0.00	\$37.04	\$48.34

Special Calculation Note : Other is Education and Safety.

Journeymen shall receive \$1.00 per hour above journeyman rate for work with pitch material.

Ratio :

Employer may employ 1 apprentice for every 2 journeymen in his employment.

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, BROWN, BUTLER, CLERMONT, HAMILTON, HIGHLAND, WARREN

Special Jurisdictional Note :

Details :

Any Tradesman Worker completing 2,000 hours in (2) years may move to Journeyman status by utilizing the Training Yard to improve their skills. Tradesman Workers will be tested at these yards to determine their competency for Journeyman status. Tradesman Workers must schedule and successfully complete the industry test battery in order to gain journeyman status.

Prevailing Wage Rate Skilled Crafts

Name of Union: Sheet Metal Local 24 (Dayton)

Change # : LCR02-2019fbLoc24(Day)

Craft : Sheet Metal Worker Effective Date : 06/19/2019 Last Posted : 06/19/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Sheet Metal Worker	\$27.72		\$8.52	\$14.46	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$51.55	\$65.41
Apprentice	Percent											
Apprentice												
5th Year B	80.00	\$22.18	\$8.26	\$11.56	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.85	\$53.93
5th Year A	75.00	\$20.79	\$8.20	\$10.85	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.69	\$51.09
4th Year B	70.00	\$19.40	\$8.13	\$10.13	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.51	\$48.22
4th Year A	65.00	\$18.02	\$8.07	\$9.40	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$36.34	\$45.35
3rd year B	60.00	\$16.63	\$8.01	\$8.68	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$34.17	\$42.49
3rd Year A	55.00	\$15.25	\$7.94	\$7.95	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31.99	\$39.61
2 Year B	53.78	\$14.91	\$7.90	\$7.02	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$30.68	\$38.13
2 Year A	52.69	\$14.61	\$7.88	\$6.49	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$29.83	\$37.13
Probationary 1 Year	51.13	\$14.17	\$7.85	\$5.87	\$0.85	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$28.74	\$35.83

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

1 Journeyman to 1 Apprentice then,
1 Apprentice for every 2 Journeymen thereafter

Jurisdiction (* denotes special jurisdictional note) :

ALLEN, AUGLAIZE, BUTLER, CHAMPAIGN,
CLARK, CLINTON, DARKE, GREENE, HARDIN,
LOGAN, MERCER, MIAMI, MONTGOMERY,
PREBLE, SHELBY, VAN WERT, WARREN,
WYANDOT

Special Jurisdictional Note :

Details :

Prevailing Wage Rate Skilled Crafts

Name of Union: Sprinkler Fitter Local 669

Change # : LCN01-2020fbLoc669

Craft : Sprinkler Fitter Effective Date : 04/08/2020 Last Posted : 04/08/2020

	BHR		Fringe Benefit Payments						Irrevocable Fund		Total PWR	Overtime Rate
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)	MISC (*)		
Classification												
Sprinkler Fitter	\$40.40		\$10.23	\$6.80	\$0.52	\$0.00	\$5.12	\$0.10	\$0.00	\$0.00	\$63.17	\$83.37
Apprentice Indentured after April 1, 2013	Percent											
CILASS 1	45.00	\$18.18	\$7.75	\$0.00	\$0.52	\$0.00	\$0.00	\$0.10	\$0.00	\$0.00	\$26.55	\$35.64
CLASS 2	50.00	\$20.20	\$7.75	\$0.00	\$0.52	\$0.00	\$0.00	\$0.10	\$0.00	\$0.00	\$28.57	\$38.67
CLASS 3	54.38	\$21.97	\$10.23	\$6.80	\$0.52	\$0.00	\$1.15	\$0.10	\$0.00	\$0.00	\$40.77	\$51.75
CLASS 4	59.38	\$23.99	\$10.23	\$6.80	\$0.52	\$0.00	\$1.15	\$0.10	\$0.00	\$0.00	\$42.79	\$54.78
CLASS 5	64.38	\$26.01	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$45.06	\$58.06
CLASS 6	69.38	\$28.03	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$47.08	\$61.09
CLASS 7	74.38	\$30.05	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$49.10	\$64.12
CLASS 8	79.38	\$32.07	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$51.12	\$67.15
CLASS 9	84.38	\$34.09	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$53.14	\$70.18
CLASS 10	89.38	\$36.11	\$10.23	\$6.80	\$0.52	\$0.00	\$1.40	\$0.10	\$0.00	\$0.00	\$55.16	\$73.21

Special Calculation Note : \$0.10 for Other is National Fire Sprinkler Association

Ratio :

1 Journeyman to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW,

MUSKINGUM, NOBLE, OTTAWA, PAULDING,
PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE,
PUTNAM, RICHLAND, ROSS, SANDUSKY,
SCIOTO, SENECA, SHELBY, STARK, SUMMIT,
TRUMBULL, TUSCARAWAS, UNION, VAN WERT,
VINTON, WARREN, WASHINGTON, WAYNE,
WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :

Sprinkler Fitter work shall consist of the installation, dismantling, maintenance, repairs, adjustments, and corrections of all fire protection and fire control systems including the unloading, handling by hand, power equipment and installation of all piping or tubing, appurtenances and equipment pertaining thereto, including both overhead and underground water mains, fire hydrants and hydrant mains, standpipes and hose connections to sprinkler systems used in connection with sprinkler and alarm systems. Also all tanks and pumps connected thereto, also included shall be CO-2 and Cardox Systems, Dry Chemical Systems, Foam Systems and all other fire protection systems.

Prevailing Wage Rate Skilled Crafts

Name of Union: Truck Driver Bldg & HevHwy Class 1
Locals 20,40,92,92b,100,175,284,438,377,637,908,957

Change # : OCRO1-2019fbBldgHevHwy

Craft : Truck Driver Effective Date : 09/11/2019 Last Posted : 09/11/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Truck Driver CLASS 1 4 wheel service, dump, and batch trucks, Oil Distributor - Asphalt Distributor-Tandems	\$28.04		\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.14	\$57.16
Apprentice	Percent											
First 6 months	80.00	\$22.43	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.53	\$48.75
7-12 months	85.00	\$23.83	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38.93	\$50.85
13-18 months	90.00	\$25.24	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.34	\$52.95
19-24 months	95.00	\$26.64	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$41.74	\$55.06
25-30 months	100.00	\$28.04	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.14	\$57.16

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN,

HARRISON, HENRY, HIGHLAND, HOCKING,
HOLMES, HURON, JACKSON, JEFFERSON,
KNOX, LAWRENCE, LICKING, LOGAN,
LORAIN, LUCAS, MADISON, MAHONING,
MARION, MEDINA, MEIGS, MERCER, MIAMI,
MONROE, MONTGOMERY, MORGAN,
MORROW, MUSKINGUM, NOBLE, OTTAWA,
PAULDING, PERRY, PICKAWAY, PIKE,
PORTAGE, PREBLE, PUTNAM, RICHLAND,
ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY,
STARK, SUMMIT, TRUMBULL, TUSCARAWAS,
UNION, VAN WERT, VINTON, WARREN,
WASHINGTON, WAYNE, WILLIAMS, WOOD,
WYANDOT

Special Jurisdictional Note :

Details :

** Asphalt - Oil spray bar man when operating from cab shall receive \$0.20 cents per hour above their Basic Hourly Rate.

Prevailing Wage Rate Skilled Crafts

Name of Union: Truck Driver Bldg & Hwy Class 2
Locals 20,40,92,92b,100,175,284,438,377,637,908,957

Change # : LCRO1-2019-fbBldgHwy

Craft : Truck Driver Effective Date : 10/16/2019 Last Posted : 10/16/2019

	BHR		Fringe Benefit Payments					Irrevocable Fund		Total PWR	Overtime Rate	
			H&W	Pension	App Tr.	Vac.	Annuity	Other	LECET (*)			MISC (*)
Classification												
Truck Driver CLASS 2 Tractor Trailer-Semi Tractor Trucks-Pole Trailers-Ready Mix Trucks-Fuel Trucks-Asphalt-Oil Spray bar men- 5 Axle & Over -Belly Dumps-End Dumps-Articulated Dump Trucks- Low boys- Heavy duty Equipment (irrespective of load carried) when used exclusively for transportation- Truck Mechanics (when needed)	\$28.46	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.56	\$57.79
Apprentice	Percent											
First 6 months	80.00	\$22.77	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$37.87	\$49.25
7-12 months	85.00	\$24.19	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$39.29	\$51.39
13-18 months	90.00	\$25.61	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$40.71	\$53.52
19-24 months	95.00	\$27.04	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42.14	\$55.66
25-30 months	100.00	\$28.46	\$7.00	\$7.90	\$0.20	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$43.56	\$57.79

Special Calculation Note : No special calculations for this skilled craft wage rate are required at this time.

Ratio :

3 Journeymen to 1 Apprentice

Jurisdiction (* denotes special jurisdictional note) :

ADAMS, ALLEN, ASHLAND, ASHTABULA, ATHENS, AUGLAIZE, BELMONT, BROWN, BUTLER, CARROLL, CHAMPAIGN, CLARK, CLERMONT, CLINTON, COLUMBIANA, COSHOCTON, CRAWFORD, DARKE, DEFIANCE, DELAWARE, ERIE, FAIRFIELD, FAYETTE, FRANKLIN, FULTON, GALLIA, GREENE, GUERNSEY, HAMILTON, HANCOCK, HARDIN, HARRISON, HENRY, HIGHLAND, HOCKING, HOLMES, HURON, JACKSON, JEFFERSON, KNOX, LAWRENCE, LICKING, LOGAN, LORAIN, LUCAS, MADISON, MAHONING, MARION, MEDINA, MEIGS, MERCER, MIAMI, MONROE, MONTGOMERY, MORGAN, MORROW, MUSKINGUM, NOBLE, OTTAWA, PAULDING, PERRY, PICKAWAY, PIKE, PORTAGE, PREBLE, PUTNAM, RICHLAND, ROSS, SANDUSKY, SCIOTO, SENECA, SHELBY, STARK, SUMMIT, TRUMBULL, TUSCARAWAS, UNION, VAN WERT, VINTON, WARREN, WASHINGTON, WAYNE, WILLIAMS, WOOD, WYANDOT

Special Jurisdictional Note :

Details :

** Asphalt - Oil spray bar man when operating from cab shall receive \$0.20 cents per hour above their Basic Hourly Rate.

SECTION M

*SPECIAL PROVISIONS/TECHNICAL
SPECIFICATIONS*

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

The 2019 Ohio Department of Transportation Construction and Material Specifications and the Supplemental Specifications shall govern this project unless stated otherwise by the Warren County Engineer, herein referred to as “Engineer”, “Project Engineer”, and “County Engineer”.

Conflicting Items in Bid Documents

Whenever the Technical Specifications and Bid Proposal Quantities differ from the Construction Plans the Technical Specifications and Bid Proposal Quantities shall control for the bidding of this project.

Construction Engineering and Project Inspection

The Warren County Engineer’s Office will be providing the construction engineering and project inspection for this project.

Operations Schedule

The Contractor shall advise and coordinate all work with the Engineer. A detailed schedule of operations shall be furnished by the Contractor to the Engineer. The Engineer and the Owner prior to the beginning of the work shall approve the schedule of operations. Changes to said schedule are to be issued in writing and approved by the Engineer before operations are changed or rescheduled. The Contractor shall schedule operations so that the improved areas have had sufficient time to cure, set and/or harden before the area is opened to traffic or use. The Contractor shall be responsible for the immediate repair of the improved area if any damage is done by traffic. The Contractor shall also be responsible for the immediate rectification of problems created in areas outside of the improved areas attributable to the failure of the improved area, i.e., the tracking of materials into unimproved areas.

Preconstruction Meeting

Prior to the commencement of the construction activities, the Warren County Engineer will arrange a meeting between the Contractor, the Warren County Engineer, ODOT, and an ODOT Prequalified Consultant (if providing construction engineering and project inspection). The time, date and location of said meeting will be determined after the awarding of the contract, and all parties will be notified by the Warren County Engineer. At the preconstruction meeting the Contractor shall submit to the Project Engineer a construction schedule, list of subcontractors, list of suppliers, approved material list, and a completed Ohio EPA Co-Permitte Notice of Intent (NOI).

Project Start Date

The Contractor shall begin the construction once a written notice-to-proceed has been given by the Board of Warren County Commissioners and a preconstruction meeting with the Warren County Engineer has been held.

Completion Time

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

All work shall be completed within 30 weeks after the written notice-to-proceed has been issued by the Board of Warren County Commissioners, a preconstruction meeting has been held, and construction has started. The anticipated completion date is Friday, August 21, 2021. Liquidated damages for non-completion beyond the 30 weeks shall follow the CMS 108.07. Once work has started it shall be expected that work will be performed every work day on the project in an expeditious manner until the project is complete unless of incimate weather.

Working Restrictions

No work shall be done between 6:00 pm Friday and 7:00 am Monday or during holidays, unless approved by the County Engineer. In addition, night work of any type shall be strictly prohibited, unless approved by the County Engineer.

Payment of Work

Contractor Estimates shall not be submitted more than once a month to the Warren County Engineer for work included in the Contract between the Board of Warren County Commissioners and the Contractor. Estimates will be reviewed by the County Engineer.

Retainage and Affidavits

The contractor shall provide the County Engineer with affidavits stating that all subcontractors and suppliers for this project have been paid in full in accordance with CMS 109.08. A percentage of the original contract bid amount shall be retained on this project. Until 50% of the original contract has been performed, 8% of the amount of work performed will be retained. Once 50% of the contract has been performed and thereafter, a total of 4% of the original contract bid amount will be retained. The entire retainage will be released to the Contractor after the final inspection has been performed, after the County Engineer has accepted the construction, and after all affidavits have been submitted to the County Engineer by the Contractor.

Change Orders

No change orders involving performance or nonperformance contract quantities of project materials shall be processed without direct approval by the Warren County Engineer.

Storage of Construction Materials

The Contractor shall obtain prior approval of the Owner and/or Engineer for the locations to be used for the temporary storage of construction materials, tools, and/or machinery. No storage shall be permitted in the temporary construction easements. All such materials, tools, and machinery shall be neatly and compactly piled in such a manner as to cause the least inconvenience to the property owners and to traffic. Under no circumstances shall existing drainage courses be blocked or water hydrants, valves, or meter pits covered.

Protection of Areas Outside of Work Limits

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

The Contractor shall be responsible for the protection of areas outside of the designated work limits, but which may be adjacent to those work limits. This will include those areas used by construction traffic for access to and from the work areas. Where the Engineer determines that the Contractor's operations have been responsible for damage to areas outside of the work limits, the Contractor shall be responsible for the repair of the area subject to the approval of the Engineer. No additional compensation will be due to the Contractor for any repair of these areas.

Debris Removal

The Contractor will be responsible for removal from the site of all construction debris material. All debris material shall be disposed of in a proper manner and shall be as directed by any applicable local, state or federal regulations.

Utility Notification

The Contractor shall notify at least 48 hours before breaking ground all public and/or private service corporation having wires, poles, conduits, manholes, or other structures that may be affected by the construction on this project, including all structures which are affected and not shown on the plans. Owners of underground utilities, which are members of OUPS, can be notified by calling 1-800-362-2764. Non-member underground utility owners must be called directly.

Utility Adjustments

The Contractor shall adjust to proposed grade all existing utility facilities, i.e. manholes, catch basins, valves, boxes, etc., prior to the commencement of paving operation. This shall include utility facilities, not shown on the plan, which may be found to be located within the pavement area. Work performed on the utility facilities shall be in strict accordance with the specifications of the applicable utility owner and shall be performed under the direction, supervision and inspection of said owner.

Existing Pipe

The location, size, type and depth of all existing pipe are shown as according to the best information. The Engineer will not be responsible for any variations found during construction. Where the plans provide for conduit to be connected to, or to cross either over or under, or close to an existing underground structure, it shall be the responsibility of the Contractor to locate the existing structure, both as to line and grade, before he starts to lay the proposed conduit, in order to assure compatibility of line and grade of the proposed conduit. Payment for all operations described above shall be included in the unit bid price for the pertinent conduit item.

Maintenance of Sewer Flows

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT

SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

The Contractor shall conduct his operations so as to maintain at all times storm water and sewer flows through existing facilities to remain in place and through existing facilities to be replaced until new facilities are completed and placed in use.

Grading at Inlets and Outfalls of Proposed Conduits

The cost of the necessary reconstruction and/or regrading of swales or disturbed areas at the inlets and outfalls of all proposed conduits shall be included in the price bid for the pertinent conduit and inlet items.

Restoration of Areas Disturbed by Drainage Facilities

Soil areas disturbed by construction of underdrains, trench drains, catch basins or other drainage facilities shall be regraded to drain properly and then restored. The cost of restoration of these soil areas is to be per the unit bid for the pertinent item. Pavement areas disturbed by the construction of the drainage facilities will be restored as per the pertinent asphalt typical section. Payment for the restoration of these areas will be at the unit bid price for the pertinent item.

Conduit End Treatment

Immediately after placement of any conduits, the Contractor shall construct the end treatments required by the plans at both the outlet and inlet ends. This shall include headwalls, concrete riprap, rock channel protection, sodding, etc.

Conduit, Drainage and Utility Items

Unless otherwise specified on the plans, the unit price bid for the pertinent conduit, drainage and/or utility item shall include the cost of all-necessary appurtenances, connections, fittings, plugs, tees, collars, etc.

Unless otherwise noted on the plans, the unit price for the pertinent conduit, drainage and/or utility item is to include the costs involved in the excavation of the trench in unclassified material, the supplying and placing of the required bedding material and the backfilling of the trench with the specified material to the appropriate subgrade elevations.

The contractor shall take precaution while excavating for pipe near existing utilities. If necessary, the contractor shall hand dig in areas where proposed pipe is to be installed near an existing utility. The Contractor shall hold Warren County harmless of liabilities which may arise from the damaging of existing utilities. The payment for hand digging in areas near existing utilities shall be paid for under the unit bid price for the pertinent item.

Bedding and Backfill

All bedding and backfill shall be in strict accordance with the specification of ODOT Item 611 for the type of conduit specified. In the case of **Water Transmission and Distribution Lines, Storm Sewer, and Sanitary Sewer facilities**, granular material, Type 1 and Type 3, shall be

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

used to backfill the trench from the bottom of the trench to a maximum distance of twelve (12) inches above the top of the facility within one (1) foot of the subgrade. The granular material MUST be properly compacted and tested to ensure minimal settlement of the trench. Payment for the work listed above shall be included in the price of Item 611.

Item 201 - Clearing and Grubbing

This work shall consist of clearing, grubbing, scalping, removal of trees and stumps, and removing and disposing of all vegetation and debris within the limits of construction, except such objects as are to remain or are to be removed in accordance with other sections of these specifications. The Contractor shall keep clearing to a minimum removing only what is necessary to complete construction. Payment for the work listed above shall be included in the Lump Sum bid price for Item 201 Clearing and Grubbing.

Item 202 – Removals

This work shall consist of the removal, wholly or in part, and satisfactory disposal of all buildings, fences, guardrails, structures, old pavements, abandoned pipe lines, storage tanks, septic tanks, privy vaults, and any other obstructions which are not designated or permitted to remain, except for the obstructions to be removed and disposed of under other items in the contract. It shall also include the salvaging of designated materials and backfilling the resulting trenches, holes, and pits.

Item 203 – Excavation

Payment for the work listed above will be made at the unit bid price per CY of Item 203 Excavation.

Item 203 – Embankment

This work shall include the removal of all existing roadway asphalt, not including asphalt drives, that is shown to be removed in the plan set. The Contractor shall be responsible for the removal of any spoils from the construction site that are not used for Item 203 Embankment. Payment for the work listed above will be made at the unit bid price per CY of Item 203 Embankment.

Asphalt Concrete

All material furnished and work performed shall conform to the 2019 Ohio Department of Transportation Construction and Material Specifications (ODOT CMS) for Item 301 Asphalt Concrete Base, Item 442 Asphalt Concrete Intermediate Course, and Item 441/442 Asphalt Concrete Surface Course. The Contractor shall supply the County Engineer with a weigh ticket for each load of material placed.

No material shall be placed upon collected water. Asphalt surfaces shall be clear of dirt and debris prior to the placing of each subsequent lift. The Contractor shall adhere to the judgment of the Warren County Engineer's designated representatives.

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT

SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

The Contractor's attention is directed to Section 401.14 of the ODOT Specifications and he is hereby instructed that requirements for preparation of asphalt pavement to be resurfaced will be adhered to, and cost of any and all cleaning is to be included in the unit price bid for Item 301, Item 441, and Item 442.

Butt Joints - A butt joint shall be constructed by grinding/planing existing pavement at each start/stop location, or where newly placed asphalt abuts existing pavement or curb at intersections or cross roads. All grinding/ planing shall be in accordance with Item 254 Pavement Planing, Bituminous. The butt joints shall be constructed by grinding/planing the existing pavement for a length of 6 feet, varying in depth from 2" to 0". The newly formed joint shall be properly installed so as to provide a smooth transition and shall also be properly sealed. The cost of constructing each butt joint by pavement planing/grinding shall be included and paid for in Item 442 Asphalt Concrete.

Item 407 – Tack Coat

Item 407 Tack Coat shall be applied at a rate of 0.10 gallon per SY as directed by the Engineer. The application of the tack coats shall be applied to the entire width of the roadway immediately prior to the paving operation. Payment for the work listed above shall be included in the bid price per Gallon for Item 407 Tack Coat.

Item Special – Undercutting Subgrade

All subgrade areas beneath new pavement must be shaped and compacted in accordance with the plans and/or specifications.

Where areas of unsuitable subgrade material are found, the unsuitable material shall be removed and replaced as per Section 204. The removal of the material will be to the limits determined in the field by the Engineer, and the limits of the removal will be measured by the Engineer in order to determine quantities for payment. The Contractor shall be responsible for scheduling his operations with the Engineer so that the proper measurements may be obtained for these calculations. It is anticipated that the maximum depth of the excavation will be three (3) feet. An estimated quantity of 350 CY of Item Special Undercutting Subgrade has been included in the proposal for use in undercutting unsuitable soil areas as determined by the Engineer.

The Contractor shall remove the unsuitable materials from the site and the Contractor shall be responsible for the proper disposal of said waste materials. The Borrow materials used for replacing the unsuitable subgrade materials shall consist of soils as described in Section 203 and shall be of such unit weight as to be satisfactory for subgrade construction as required by the specifications. Granular materials shall not be used unless specifically authorized by the Engineer. The embankment materials shall be placed in layers and to the density requirements as described in Section 203.

The undercut areas beneath new pavement must be shaped and compacted using a heavy duty, tamping-type compactor. Compaction shall be in accordance with the requirements for soil embankment in Section 203.

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

The costs involved in removing the unsuitable material and furnishing, placing and compacting the Borrow materials shall be included in the unit bid price for Item Special Undercutting Subgrade, regardless of the haul distances required in furnishing the Borrow material.

The Contractor shall schedule and conduct all of his operations from removal of the existing pavement through the compaction of subgrade so as to protect and maintain at all times the condition of the exposed subgrade material. The Contractor shall take all necessary precautions so as to provide proper drainage and prevent standing water on the subgrade. Any unsuitable subgrade conditions that are caused by either the action and/or inaction of the Contractor shall be corrected to the satisfaction of the Engineer by the Contractor at the Contractor's expense. Payment will be made at the unit bid price per CY of Item Special Undercutting Subgrade.

Item Special – Granular Repair of Subgrade

Where areas of unsuitable subgrade material are found, the unsuitable material shall be removed and replaced with one of the following:

- (1) all No. 1 crushed limestone or crushed air cooled slag choked with 4" of crushed 3/4" gravel
- (2) a 50%-50% mix of No.1 and No.2 crushed limestone or crushed air cooled slag choked with 4" of crushed 3/4" gravel

The removal of the material will be to the limits determined in the field by the Engineer, and the limits of the removal will be measured by the Engineer in order to determine quantities for payment. The Contractor shall be responsible for scheduling his operations with the Engineer so that the proper measurements may be obtained for these calculations. It is anticipated that the maximum depth of the excavation will be three (3) feet. An estimated quantity of 350 CY of Item Special Granular Repair of Subgrade has been included in the proposal for use in replacing unsuitable soil areas as determined by the Engineer.

The Contractor shall remove the unsuitable materials from the site and the Contractor shall be responsible for the proper disposal of said waste materials. The embankment materials shall be placed in layers and to the density requirements as described in Section 203.

The repaired subgrade areas beneath new pavement must be shaped and compacted using a heavy duty, tamping-type compactor. Compaction shall be in accordance with the requirements for soil embankment in Section 203.06.

The costs involved in removing the unsuitable material and furnishing, placing and compacting the granular materials shall be included in the unit bid price for Item Special Granular Repair of Subgrade, regardless of the haul distances required in furnishing the granular material or disposing of the unsuitable material.

The Contractor shall schedule and conduct all of his operations from removal of the existing pavement through the compaction of subgrade so as to protect and maintain at all times the

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

condition of the exposed subgrade material. The Contractor shall take all necessary precautions so as to provide proper drainage and prevent standing water on the subgrade. Any unsuitable subgrade conditions that are caused by either the action and/or inaction of the Contractor shall be corrected to the satisfaction of the Engineer by the Contractor at the Contractor's expense. Payment will be made at the unit bid price per CY of Item Special Granular Repair of Subgrade.

Item 611 – Pipe Culverts, Sewers, Drains, and Drainage Structures

This work shall consist of the construction or reconstruction of pipe culverts, sewers and drains hereinafter referred to as Type A, Type B, Type C, Type D, Type E and Type F Conduit. The work shall be in accordance with these specifications and in reasonably close conformity with the lines and grades shown on the plans or established by the Engineer. This work shall include the following: excavating for pipe and foundations for same, including clearing and grubbing and the removal of all materials necessary for placing the pipe except removals listed separately; furnishing and placing granular or concrete bedding and granular backfill as required; constructing and subsequently removing all necessary cofferdams, cribs and sheeting; pumping and dewatering; sealing or banding all pipe joints where required; furnishing and installing all necessary pipe bends and branches of a type at least equal to the conduit of which they become a part; joining to existing and proposed appurtenances as required; performing leakage tests as specified; restoration of disturbed facilities and surfaces; and providing erosion control pads and animal guards on underdrain and farm drain outlets.

The Contractor is responsible for supplying, delivering and installing the Precast Concrete Sections and the related material. All related material shall be included with the bid and shall be provided by the Contractor. The Contractor shall furnish, unload, assemble, and install the Precast Concrete Sections and all related material at the location shown on the plans. All castings for manholes, catch basins and inlets shall conform to those specified in the standard construction drawings or as specified by the Engineer. All castings which might be subject to vehicle traffic shall be of the heavy-duty grade. Grated inlet tops shall be placed as specified on the plans. Top of casting elevations are subject to final adjustments as approved by the Engineer. All castings used shall be subject to the final approval of the Engineer.

Item 614 – Maintaining Traffic

Traffic control shall be the sole responsibility of the Contractor. Warren County shall be held harmless from liabilities caused by improper traffic control by the Contractor. The contractor shall indemnify Warren County from any and all liabilities due to improper maintenance of traffic. All road construction signs shall also be the responsibility of the Contractor. All traffic control shall conform to the Ohio Manual of Uniform Traffic Control Devices (OMUTCD) as well as the Ohio Department of Transportation Standards at all times.

Any devices that are determined by the Engineer to be substandard shall be repaired to the satisfaction of the Engineer or shall be immediately removed from the site and replaced with acceptable devices. Any temporary traffic control devices that are determined by the Engineer to have become substandard during the course of the project shall be removed from the jobsite and immediately replaced by devices meeting the approval of the Engineer.

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

The Contractor shall provide and maintain all signs, barricades, labor, flagmen, steel plates, etc. for all work on this project. The Contractor shall notify the Warren County Engineer two (2) weeks prior to any road closure. The Contractor shall maintain access to the driveways located in the work area for the duration of the project. The Contractor shall provide alternatives to garbage collection services, mail delivery services, and emergency rescue services for all residents within the closed portions of roadway during the road closures. Any conflicting markings shall be removed or covered in accordance with Item 614.

Four notice of road closure signs shall be erected by the Contractor two weeks in advance of the road closures. The signs shall be erected on the right hand side of the road facing traffic and shall be located in the field so as not to interfere with any permanent signs. The notice of closure signs shall be W20-H13 signs.

Methods of maintaining traffic shall conform to the Manual of Uniform Traffic Control Devices and Item 614 of the ODOT Specifications. Payment for the work listed above shall be included in the Lump Sum bid price for Item 614 Maintaining Traffic.

Detour Signing

The Lytle Five Points Road and Bunnell Hill Road intersection may be closed during construction of the roadway improvements project for a maximum time period of 16 weeks once construction has begun. The Red Lion Five Points Road and Bunnell Hill Road intersection shall remain open to traffic. The detour route is detailed in the plan set. Any changes shall be as directed by the Engineer. The payment for all work associated with the road closure and detour shall be included in the Lump Sum bid price for Item 614 Detour Signing.

Item 623 – Construction Layout Stakes

All centerline of survey and property corner monumentation that is disturbed during construction shall be reset by a Professional Surveyor. Payment for the construction layout and work listed above shall be included in the Lump Sum bid price for Item 623 Construction Layout Stakes.

Item 832 – Storm Water Pollution Prevention Plan

The Contractor is responsible for modifying the Project Site Plan sheet to prepare a SWPPP that meets the Ohio EPA NPDES (National Pollutant Discharge Elimination System) Permit requirements. An Ohio EPA (NOI Permit) has already been issued for this project. The Contractor shall develop the SWPPP in accordance with Supplemental Specification 832 after the contract is awarded and prior to any construction activity. The Contractor's engineer must sign, seal, and submit the proposed plan to the Warren County Engineer's Office for review by the Warren County Soil & Water Department. The Warren County Engineer's Office will grant a start of work upon receiving the acceptable SWPPP. Payment for the work listed above shall be included in the Lump Sum bid price for Item 832 Storm Water Pollution Prevention Plan.

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

The Contractor shall complete a Co-Permittee Notice of Intention (NOI) application to request shared coverage under the NPDES construction Stormwater General Permit (CGP). The contractor shall certify their intention to comply with the CGP when submitting the completed Co-Permittee NOI application. The Contractor shall complete the Co-Permittee NOI application in accordance with the OEPA's instructions and shall submit it to the Warren County Engineer's Office at the preconstruction meeting. The Warren County Engineer's Office will then submit the contractor's completed Co-Permittee NOI application to the Ohio Environmental Protection Agency by certified mail. The Co-Permittee NOI application and instructions are available on the internet.

The Contractor shall insure that conditions of the SWPPP permit be met at all stages of construction. The Contractor shall inspect and maintain the project site in accordance with the "OEPA Authorization for Storm Water Discharges Associated with Construction Activity under the National Pollution Discharge Elimination System" pages 1-37. The Contractor shall indemnify and hold harmless the Warren County Engineer for any action(s) or non-action(s) which does not comply with the Ohio Environmental Protection Agency policies and regulations as set forth in the "OEPA Authorization for Storm Water Discharges Associated with Construction Activity under the National Pollution Discharge Elimination System".

The SWPPP, the "OEPA Authorization for Storm Water Discharges Associated with Construction Activity under the National Pollution Discharge Elimination System", the Warren County Engineer's Office NOI application, the contractor's Co-Permittee NOI application and the letter(s) granting permit coverage shall be retained on-site during working hours.

The Contractor shall implement and maintain the project site in accordance with the SWPPP and OEPA by utilizing the SWPPP Contingency items as directed by the Warren County Engineer. The costs associated with implementing and maintaining the SWPPP shall be included under the pertinent SWPPP Contingency Item.

The Contractor shall complete a Co-Permittee NOI application and inspect, implement and maintain the SWPPP in compliance with the Ohio Environmental Protection Agency regulations as specified in the publication titled "Ohio Environmental Protection Agency Authorization for Storm Water Discharges Associated with Construction Activity Under the National Pollutant Discharge Elimination System". The entire publication is available on the internet.

Item 832 – Erosion Control

The Contractor shall execute the design details created in the Storm Water Pollution Prevention Plan in accordance with Supplemental Specification 832. The Contractor shall furnish and install temporary sediment and erosion control best management practices required prior to any earth disturbing activity. All pollution prevention measures must be maintained for the duration of construction. The Contractor shall remove all best management practices before the project is accepted. Payment for this work shall be included in the unit bid price per Each for Item 832 Erosion Control.

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

Item Special - 8937 Bunnell Hill Road Demolition

This 1.285 acre property is owned by the Warren County Commissioners. Contractor may use the property for material storage and may use the buildings for office space. Prior to final acceptance of the project, the Contractor shall demolish all buildings on the property. The well and septic system shall be abandoned in accordance with the Warren County Combined Health Board regulations. Demolition specifications are as follows:

- (A) Existing basement shall be removed to an elevation of three feet (3') below the existing grade and all material remaining shall be removed from the voids to present a neat appearance for inspection, prior to backfilling.
- (B) Concrete slabs more than three feet (3') below grade shall be broken; all others shall be broken and removed.
- (C) All basements, pits, wells, cisterns or other voids shall be filled with suitable materials as provided herein.
- (D) Brick, block, stone, or concrete may be used as fill material where it does not exceed twelve (12") inches in its greatest cross-sectional dimension. All other material shall be gravel or earth.
- (E) The final grade of backfill for basements, pits, wells, cisterns, or other open voids shall conform to the existing surrounding grade in such a manner as to present a neat well-drained appearance, and to prevent water draining unnecessarily onto adjacent properties.
- (F) It shall be the responsibility of the contractor to notify all utility suppliers of intended demolition, to insure all utilities are disconnected.
- (G) Upon completion of demolition and grading, the site shall be fertilized, seeded and mulched.

Item 304 – Aggregate Base to be used with Tensar, As Directed by Engineer

Where areas of unsuitable subgrade material are found, the unsuitable material shall be removed. The removal of the material will be to the limits determined in the field by the Engineer, and the limits of the removal will be measured by the Engineer in order to determine quantities for payment. The Contractor shall be responsible for scheduling his operations with the Engineer so that the proper measurements may be obtained for the calculations.

The Contractor shall place the Geogrid TriAx TX5, Tensar, in the excavated areas where the unsuitable subgrade material was located, as directed by the Engineer.

The Contractor shall place Item 304 Aggregate Base on top of the Geogrid TriAx TX5 Tensar, as directed by the Engineer. The depth shall be determined in the field by the Engineer. Item 304 Aggregate Base shall be compacted in compliance with section 304.05 of the ODOT Construction and Material Specifications.

Payment for the removal of unsuitable subgrade material and placement/compaction of Item 304 Aggregate Base shall be included in the price bid per CY for Item 304 to be used with Tensar. An estimated quantity of 350 CY of Item 304 Aggregate Base to be used with Tensar has been included in the proposal

LYTLE FIVE POINTS ROAD AND BUNNELL HILL ROAD ROUNDABOUT
SPECIAL PROVISIONS/TECHNICAL SPECIFICATIONS

Item Special–Geogrid TriAx TX5, Tensar, “Or Approved Equal”, As Directed by Engineer

The Contractor shall place the Geogrid TriAx TX5, Tensar, as directed by the Engineer. Payment for the installation of the Tensar shall be included in the price bid per SY for Item Special Geogrid TriAx TX5, Tensar, “Or Approved Equal”, As Directed by Engineer. An estimated quantity of 2000 SY of Geogrid TriAx TX5, Tensar has been included in the proposal.



BOARD OF COUNTY COMMISSIONERS

WARREN COUNTY, OHIO

406 Justice Drive, Lebanon, Ohio 45036

www.co.warren.oh.us

commissioners@co.warren.oh.us

Telephone (513) 695-1250

Facsimile (513) 695-2054

TOM GROSSMANN

SHANNON JONES

DAVID G. YOUNG

ADVERTISEMENT FOR BIDS

Sealed bids will be received by the Clerk of the County Commissioners, Warren County, Ohio, 406 Justice Drive, Lebanon, Ohio 45036, until 9:15 a.m., December 8, 2020, and then at said time bids will be opened and read aloud for the Lytle Five Points Road and Bunnell Hill Road Roundabout Project.

Bid documents and specifications are available online at the Warren County's Website at <https://www.co.warren.oh.us/Commissioners/Bids/Default.aspx>. Questions regarding the technical specifications should be directed to Chuck Petty, Assistant County Engineer, at the Warren County Engineer's Office, at (513) 695-3309. Each bid shall contain the full name of each person or company submitting the bid and be accompanied by a bid bond for the full amount of the bid or a certified check in the amount equal to ten (10) percent of the bid.

Contact the Warren County Commissioner's Office at (513) 695-1250 should you need assistance in accessing the bidding information on the County's website. All contract addenda will be posted to the website prior to the bid opening. Bidders should check the website regularly to stay updated on any changes to the project.

Please be aware that if you are downloading this document to bid this project, and in order to stay updated on any change, please email Kiana Hawk in the Commissioners Office at kiana.hawk@co.warren.oh.us with your contact information.

The Board of Warren County Commissioners reserve the right to accept the lowest and best bid, to reject all bids, and to waive any irregularities in bids.

By order of the Board of County Commissioners, Warren County, Ohio.

Tina Osborne, Clerk