

CENTERLINE PLAT

BASIS OF STATIONING REFERENCE:
THE EXISTING AND PROPOSED RIGHT OF WAY SHALL BE REFERENCED FROM THE EXISTING CENTERLINE OF RIGHT OF WAY OF U.S. 20.

LORAIN COUNTY CITY OF NORTH RIDGEVILLE ORIGINAL RIDGEVILLE TOWNSHIP LOTS 5 & 6 T-6-N, R-16-W CONNECTICUT WESTERN RESERVE

BASIS FOR BEARINGS:
THE BEARINGS REFERRED TO HEREIN ARE RELATIVE TO GRID NORTH OF THE OHIO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NAD83(2011) DATUM FROM GPS OBSERVATIONS OF THE ODOT VRS GPS SYSTEM IN AUGUST 2020 BY THE ODOT DISTRICT THREE SURVEY DEPARTMENT AND ARE FOR THE PURPOSE OF DEFINING ANGULAR MEASUREMENTS.

- MONUMENT LEGEND**
- ☐ EXISTING RW MONUMENT BOX
 - ▣ PROPOSED RW MONUMENT BOX
 - ⊙ EXISTING CONCRETE MONUMENT
 - ⚡ RAILROAD SPIKE FOUND
 - I.R.P. IRON PIN FOUND
 - ⊙ I.R.P. IRON PIN FOUND W/ ID CAP
 - I.R.P. IRON PIN SET W/ ID CAP
 - ⊙ I.R.P. IRON PIPE FOUND

NOTE:
IRON PINS SET ARE 3/4 INCH DIAMETER BY 30 INCH LONG IRON BARS WITH A 2 1/2 INCH ALUMINUM CAP STAMPED "ODOT RW, P.S. 8453, FISHBECK"

CURVE DATA FOR ζ CONST

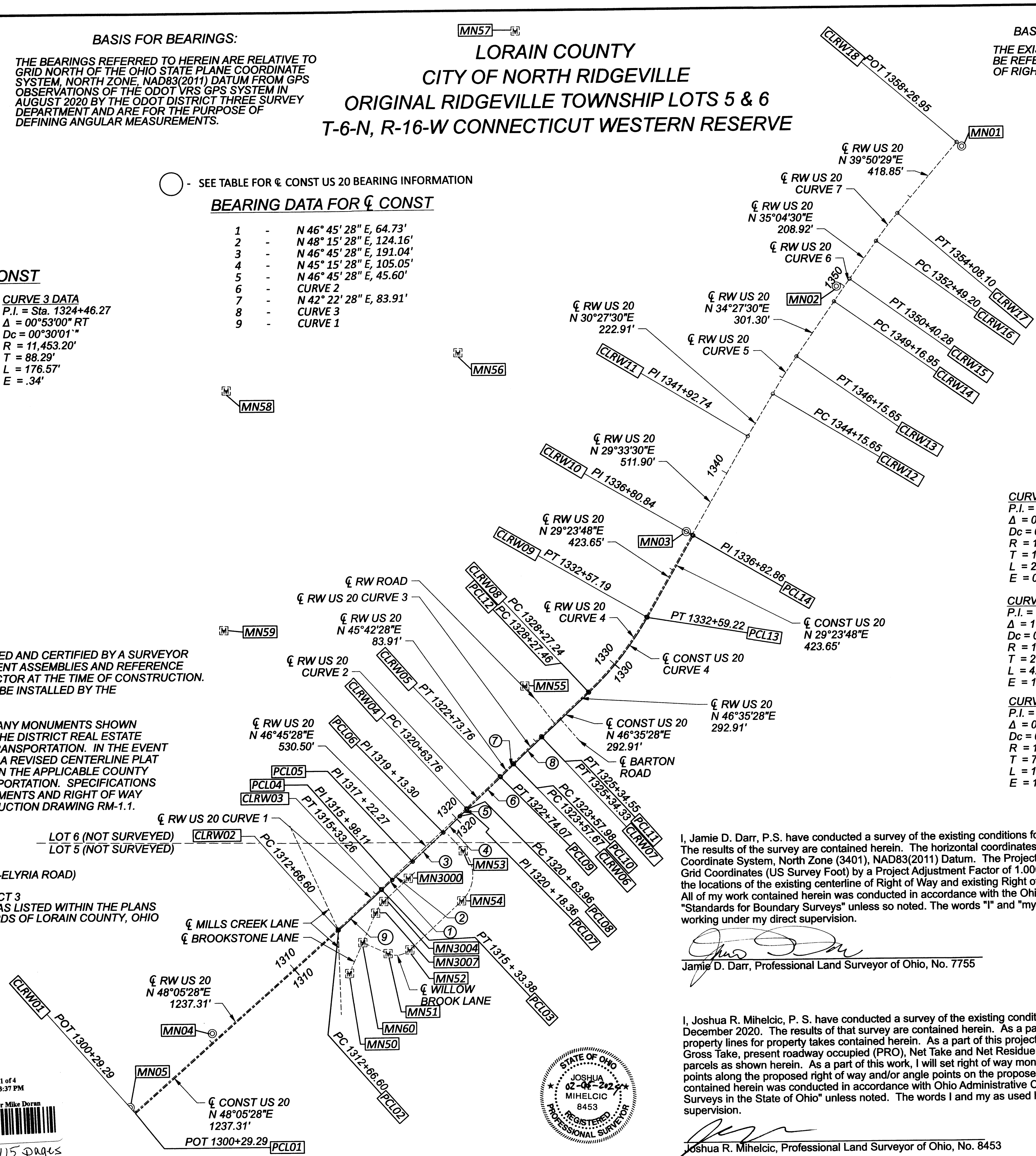
CURVE 1 DATA	CURVE 2 DATA	CURVE 3 DATA
P.I. = Sta. 1314+00.00	P.I. = Sta. 1321+69.02	P.I. = Sta. 1324+46.27
$\Delta = 01^{\circ}20'00''$ LT	$\Delta = 01^{\circ}03'00''$ LT	$\Delta = 00^{\circ}53'00''$ RT
Dc = $00^{\circ}29'59''$	Dc = $00^{\circ}29'59''$	Dc = $00^{\circ}30'01''$
R = 11,464.70'	R = 11,465.20'	R = 11,453.20'
T = 133.40'	T = 105.06'	T = 88.29'
L = 266.79'	L = 210.11'	L = 176.57'
E = 0.78'	E = 0.48'	E = .34'

CURVE 4 DATA
P.I. = Sta. 1330+44.97
 $\Delta = 17^{\circ}11'41''$ LT
Dc = $03^{\circ}58'57''$
R = 1,438.70'
T = 217.51'
L = 431.76'
E = 16.35'

BEARING DATA FOR ζ CONST

1 - N 46° 45' 28" E, 64.73'
2 - N 48° 15' 28" E, 124.16'
3 - N 46° 45' 28" E, 191.04'
4 - N 45° 15' 28" E, 105.05'
5 - N 46° 45' 28" E, 45.60'
6 - CURVE 2
7 - N 42° 22' 28" E, 83.91'
8 - CURVE 3
9 - CURVE 1

○ - SEE TABLE FOR ζ CONST US 20 BEARING INFORMATION



CURVE DATA FOR ζ RW

CURVE 1 DATA	CURVE 2 DATA	CURVE 3 DATA
P.I. = Sta. 1313+99.93	P.I. = Sta. 1321+68.76	P.I. = Sta. 1324+46.00
$\Delta = 01^{\circ}20'00''$ LT	$\Delta = 01^{\circ}03'00''$ LT	$\Delta = 00^{\circ}53'00''$ RT
Dc = $00^{\circ}30'00''$	Dc = $00^{\circ}30'00''$	Dc = $00^{\circ}30'00''$
R = 11,459.20'	R = 11,459.20'	R = 11,459.20'
T = 133.34'	T = 105.00'	T = 88.33'
L = 266.66'	L = 210.00'	L = 176.66'
E = 0.78'	E = 0.48'	E = .34'

CURVE 4 DATA	CURVE 5 DATA	CURVE 6 DATA
P.I. = Sta. 1330+43.84	P.I. = Sta. 1345+15.69	P.I. = Sta. 1349+78.62
$\Delta = 17^{\circ}11'41''$ LT	$\Delta = 03^{\circ}59'59''$ RT	$\Delta = 00^{\circ}37'00''$ RT
Dc = $03^{\circ}59'57''$	Dc = $02^{\circ}00'00''$	Dc = $00^{\circ}30'00''$
R = 1,432.70'	R = 2,864.90'	R = 11,459.20'
T = 216.61'	R = 1,432.70'	T = 61.67'
L = 429.96'	L = 200'	L = 123.33'
E = 16.28'	E = 1.75'	E = .17'

CURVE 7 DATA
P.I. = Sta. 1353+28.70
$\Delta = 04^{\circ}45'59''$ RT
Dc = $02^{\circ}59'59''$
R = 1,910.10'
T = 79.5'
L = 158.9'
E = 1.65'

SETTING OF ALL MONUMENTS SHALL BE PERFORMED AND CERTIFIED BY A SURVEYOR REGISTERED IN THE STATE OF OHIO. THE MONUMENT ASSEMBLIES AND REFERENCE MONUMENTS WILL BE INSTALLED BY THE CONTRACTOR AT THE TIME OF CONSTRUCTION. THE IRON PIN AND CAP (WHEN REQUIRED) ARE TO BE INSTALLED BY THE CONTRACTOR'S SURVEYOR.

CHANGES OR ALTERATIONS TO THE LOCATION OF ANY MONUMENTS SHOWN IN THIS TABLE, REQUIRE PRIOR APPROVAL FROM THE DISTRICT REAL ESTATE ADMINISTRATOR OF THE OHIO DEPARTMENT OF TRANSPORTATION. IN THE EVENT THAT CHANGES OR ALTERATIONS ARE APPROVED, A REVISED CENTERLINE PLAT WITH THE NEW LOCATIONS SHALL BE RECORDED IN THE APPLICABLE COUNTY RECORDS AND THE OHIO DEPARTMENT OF TRANSPORTATION. SPECIFICATIONS FOR MONUMENT ASSEMBLIES, REFERENCE MONUMENTS AND RIGHT OF WAY MONUMENTS ARE SHOWN ON STANDARD CONSTRUCTION DRAWING RM-1.1.

BASIS OF EXISTING ζ OF RW AND RW WIDTH:
- ODOT ROW PLANS FOR LOR-20 (CLEVELAND-ELYRIA ROAD)
S.H. 31 SECTIONS D & E - ELYRIA
DATED 1932 ON FILE WITH ODOT DISTRICT 3
- LORAIN COUNTY PLAT & SURVEY RECORDS AS LISTED WITHIN THE PLANS
ALL DEED RECORDS LISTED ARE FROM THE RECORDS OF LORAIN COUNTY, OHIO

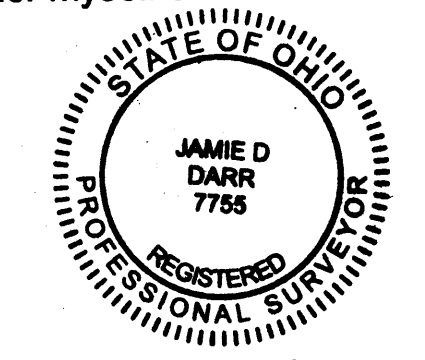
NO TRANSFER NECESSARY
J. C. SNODGRASS, CPA, CGFM
LORAIN COUNTY AUDITOR
2/24/24
DEPUTY

2024-0003255
PLAT Fee: \$259.20 Page 1 of 4
Recorded: 2/6/2024 at 03:37 PM
Receipt #: 1782-00002302
Lorain County Recorder Mike Doran
Plat vol 115 pages 14, 17, 18

RECEIVED _____, 20
RECORDED _____, 20
BOOK _____ PAGE _____
COUNTY RECORDER

I, Jamie D. Darr, P.S. have conducted a survey of the existing conditions for the Ohio Department of Transportation in August 2020. The results of the survey are contained herein. The horizontal coordinates expressed herein are based on the Ohio State Plane Coordinate System, North Zone (3401), NAD83(2011) Datum. The Project Coordinates (US Survey Foot) are relative to State Plane Grid Coordinates (US Survey Foot) by a Project Adjustment Factor of 1.00007298 (Grid to Ground). As part of this project I have reestablished the locations of the existing centerline of Right of Way and existing Right of Way lines of State Route 20, and established project control. All of my work contained herein was conducted in accordance with the Ohio Administrative Code Chapter 4733-37 commonly known as "Standards for Boundary Surveys" unless so noted. The words "I" and "my" as used herein are to mean that either myself or someone working under my direct supervision.

Jamie D. Darr
Jamie D. Darr, Professional Land Surveyor of Ohio, No. 7755
Date: 02-05-2024



I, Joshua R. Mihelcic, P. S. have conducted a survey of the existing conditions for the Ohio Department of Transportation during the month of December 2020. The results of that survey are contained herein. As a part of this project I have reestablished the locations of the existing property lines for property takes contained herein. As a part of this project I have established the proposed property lines, calculated the Gross Take, present roadway occupied (PRO), Net Take and Net Residue; as well as prepared the legal descriptions necessary to acquire the parcels as shown herein. As a part of this work, I will set right of way monuments at the property line intersections with the proposed right of way, points along the proposed right of way and/or angle points on the proposed right of way, and other points as shown herein. All of my work contained herein was conducted in accordance with Ohio Administrative Code 4733-37 commonly known as "Minimum Standards for Boundary Surveys in the State of Ohio" unless noted. The words I and my as used herein are to mean either myself or someone working under my direct supervision.

Joshua R. Mihelcic
Joshua R. Mihelcic, Professional Land Surveyor of Ohio, No. 8453
Date: 02-05-2024



LOR-20-24.97

MODEL: 108039_R0002 PAPER SIZE: 34x22 (in.) DATE: 1/29/2024 TIME: 8:45:46 AM USER: jmhelic
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1	3
DESIGN AGENCY	fishbeck
DESIGNER	BSM
REVIEWER	JRM 12/11/23
PROJECT ID	108039
SUBSET	TOTAL
RW.2	RW.9
SHEET	TOTAL
P.62	75

LOR-20-24.97

PID: 108039

PROJECT GROUND COORDINATES - US SURVEY FEET

STATE PLANE GRID COORDINATES

MONUMENTS TO BE SET DURING CONSTRUCTION

PROJECT COORDINATES (FEET) ARE RELATIVE TO STATE PLANE GRID COORDINATES (METERS)
BY A PROJECT ADJUSTMENT FACTOR (PAF) MULTIPLIER OF : 3.281072768

PROJECT CONTROL POINTS

HORIZONTAL DATUM - NAD83(2011), OHIO NORTH ZONE (3401)

VERTICAL DATUM NAVD 88 - GEO-ID 12B

ALL OTHER ELEVATIONS ESTABLISHED FROM LEVELING

Table with columns: NAME, STATION, OFFSET (ft), RT/LT, NORTH (ft), EAST (ft), ELEVATION (ft), FEATURE. Includes points CP01 through BM501.

Table with columns: NAME, STATION, OFFSET (ft), RT/LT, NORTH (ft), EAST (ft), ELEVATION (ft), FEATURE, DESCRIPTION. Includes points CP01 through BM501.

Table with columns: NAME, NORTH (m), EAST (m), ORTHO HT (m), NORTH (US FT), EAST (US FT). Includes points CP01 through BM501.

Table with columns: ITEM 604E38500 MONUMENT ASSEMBLY, ITEM 604E40500 REFERENCE MONUMENT. Includes points CP01 through BM501.

UNITLESS FACTOR = 1.000072980 State Plane Grid to Project Ground (same units)
PROJECT ADJ. FACTOR = 3.281072768 State Plane Grid (meters) to Project Ground (US Survey Feet)
ENG./METRIC CONV. = 3.28083333 US SURVEY FOOT TO METERS CONVERSION FACTOR
PROJECT Coordinates are Scaled From GRID Coordinates About The OHIO NORTH ZONE Grid Point N=0,E=0.

EXISTING MONUMENTATION

EXISTING CENTERLINE CONTROL POINTS

Table with columns: NAME, STATION, OFFSET (ft), RT/LT, NORTH (ft), EAST (ft), ELEVATION (ft), FEATURE, DESCRIPTION. Includes points MN 01 through MN 3007.

Table with columns: NAME, NORTH (m), EAST (m), ORTHO HT (m), NORTH (US FT), EAST (US FT). Includes points MN 01 through MN 3007.

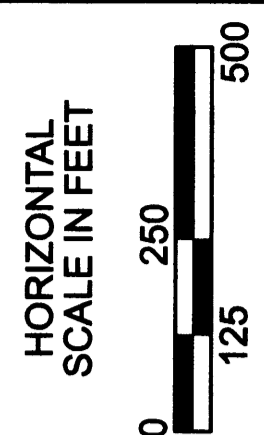
PROPOSED MONUMENTATION

PROPOSED RIGHT OF WAY MONUMENTS

Table with columns: NAME, STATION, OFFSET (ft), RT/LT, NORTH (ft), EAST (ft), ELEVATION (ft), FEATURE, DESCRIPTION. Includes points RP01 through RP14.

Table with columns: NAME, NORTH (m), EAST (m), ORTHO HT (m), NORTH (US FT), EAST (US FT). Includes points RP01 through RP14.

Table with columns: NAME, NORTH (m), EAST (m), ORTHO HT (m), NORTH (US FT), EAST (US FT). Includes points RP01 through RP14.



CENTERLINE PLAT

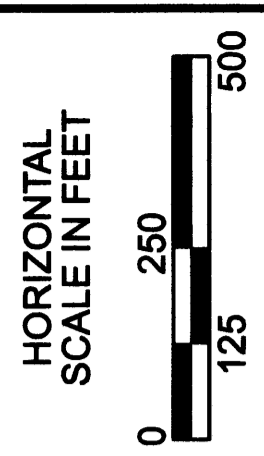
2 / 3

DESIGN AGENCY
fishbeck

DESIGNER: BSM
REVIEWER: JRM 12/11/23
PROJECT ID: 108039
SUBSET: RW.3 TOTAL: RW.9
SHEET: P.63 TOTAL: 75

LOR-20-24.97

MODEL: 108039_R002 PAPER SIZE: 34x22 (in.) DATE: 1/29/2024 TIME: 8:10:19 AM USER: jmhndc
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CENTERLINE PLAT

CENTERLINE OF RIGHT OF WAY & CONSTRUCTION (GROUND COORDINATES)								CENTERLINE ALIGNMENT	STATE PLANE GRID COORDINATES					MONUMENTS TO BE SET DURING CONSTRUCTION		
PROJECT COORDINATES (FEET) ARE RELATIVE TO STATE PLANE GRID COORDINATES (METERS)									DESCRIPTION	HORIZONTAL DATUM - NAD83(2011), OHIO NORTH ZONE (3401)					ITEM 604E38500	ITEM 604E40500
BY A PROJECT ADJUSTMENT FACTOR (PAF) MULTIPLIER OF : 3.281072768										NORTH (m)	EAST (m)	ORTHO HT (m)	NORTH (US FT)	EAST (US FT)	MONUMENT ASSEMBLY	REFERENCE MONUMENT
NAME	STATION	OFFSET (ft)	RT/LT	NORTH (ft)	EAST (ft)	ELEVATION (ft)	FEATURE									
CLRW01	1300+29.29	-	C/L	633702.2473	2110245.7785	-	POT	POT CENTERLINE OF RIGHT OF WAY US 20	CLRW01	193138.7360	643157.2621	-	633656.0031	2110091.7840		
CLRW02	1312+66.60	-	C/L	634528.7029	2111166.5916	-	PC	PC CENTERLINE OF RIGHT OF WAY US 20	CLRW02	193390.6218	643437.9061	-	634482.3984	2111012.5299		
CLRW03	1315+33.26	-	C/L	634709.1107	2111362.9520	-	PT	PT CENTERLINE OF RIGHT OF WAY US 20	CLRW03	193445.6062	643497.7525	-	634662.7930	2111208.8760	1	
CLRW04	1320+63.76	-	C/L	635072.5474	2111749.4025	-	PC	PC CENTERLINE OF RIGHT OF WAY US 20	CLRW04	193556.3739	643615.5342	-	635026.2032	2111595.2983	1	
CLRW05	1322+73.76	-	C/L	635217.8086	2111901.0533	-	PT	PT CENTERLINE OF RIGHT OF WAY US 20	CLRW05	193600.6463	643661.7541	-	635171.4538	2111746.9380		
CLRW06	1323+57.67	-	C/L	635276.4044	2111961.1151	-	PC	PC CENTERLINE OF RIGHT OF WAY US 20	CLRW06	193618.5051	643680.0596	-	635230.0453	2111806.9954		
CLRW07	1325+34.33	-	C/L	635398.7895	2112088.5121	-	PT	PT CENTERLINE OF RIGHT OF WAY US 20	CLRW07	193655.8054	643718.8875	-	635352.4215	2111934.3831		
CLRW08	1328+27.24	-	C/L	635600.0773	2112301.3020	-	PC	PC CENTERLINE OF RIGHT OF WAY US 20	CLRW08	193717.1536	643783.7412	-	635553.6946	2112147.1575		
CLRW09	1332+57.19	-	C/L	635937.6462	2112564.9813	-	PT	PT CENTERLINE OF RIGHT OF WAY US 20	CLRW09	193820.0373	643864.1050	-	635891.2389	2112410.8176		
CLRW10	1336+80.84	-	C/L	636306.7461	2112772.9290	-	PI	PI CENTERLINE OF RIGHT OF WAY US 20	CLRW10	193932.5309	643927.4829	-	636260.3118	2112618.7501		
CLRW11	1341+92.74	-	C/L	636752.0241	2113025.4553	-	PI	PI CENTERLINE OF RIGHT OF WAY US 20	CLRW11	194068.2420	644004.4475	-	636705.5573	2112871.2580		
CLRW12	1344+15.65	-	C/L	636944.1720	2113138.4513	-	PC	PC CENTERLINE OF RIGHT OF WAY US 20	CLRW12	194126.8046	644038.8862	-	636897.6912	2112984.2457		
CLRW13	1346+15.65	-	C/L	637112.8941	2113245.7667	-	PT	PT CENTERLINE OF RIGHT OF WAY US 20	CLRW13	194178.2274	644071.5936	-	637066.4010	2113091.5533		
CLRW14	1349+16.94	-	C/L	637361.3276	2113416.2439	-	PC	PC CENTERLINE OF RIGHT OF WAY US 20	CLRW14	194253.9446	644123.5514	-	637314.8164	2113262.0180		
CLRW15	1350+40.28	-	C/L	637462.6405	2113486.5706	-	PT	PT CENTERLINE OF RIGHT OF WAY US 20	CLRW15	194284.8225	644144.9855	-	637416.1219	2113332.3396		
CLRW16	1352+49.20	-	C/L	637633.6209	2113606.6258	-	PC	PC CENTERLINE OF RIGHT OF WAY US 20	CLRW16	194336.9337	644181.5757	-	637587.0898	2113452.3860		
CLRW17	1354+08.10	-	C/L	637759.7191	2113703.2380	-	PT	PT CENTERLINE OF RIGHT OF WAY US 20	CLRW17	194375.3657	644211.0210	-	637713.1788	2113548.9912		
CLRW18	1358+26.95	-	C/L	638081.3213	2113971.5798	-	POT	POT CENTERLINE OF RIGHT OF WAY US 20	CLRW18	194473.3831	644292.8058	-	638034.7575	2113817.3134		
PCL01	1300+29.29	-	C/L	633698.1541	2110249.4522	-	POT	POT CENTERLINE OF CONSTRUCTION US 20	PCL01	193137.4885	643158.3818	-	633651.9102	2110095.4574		
PCL02	1312+66.60	-	C/L	634524.6098	2111170.2654	-	PC	PC CENTERLINE OF CONSTRUCTION US 20	PCL02	193389.3743	643439.0258	-	634478.3056	2111016.2034		
PCL03	1315+33.38	-	C/L	634705.1041	2111366.7199	-	PT	PT CENTERLINE OF CONSTRUCTION US 20	PCL03	193444.3851	643498.9008	-	634658.7867	2111212.6436		
PCL04	1315+98.11	-	C/L	634749.4476	2111413.8713	-	PI	PI CENTERLINE OF CONSTRUCTION US 20	PCL04	193457.9000	643513.2716	-	634703.1270	2111259.7916		
PCL05	1317+22.27	-	C/L	634832.1075	2111506.5094	-	PI	PI CENTERLINE OF CONSTRUCTION US 20	PCL05	193483.0930	643541.5056	-	634785.7808	2111352.4229		
PCL06	1319+13.30	-	C/L	634962.984	2111645.6734	-	PI	PI CENTERLINE OF CONSTRUCTION US 20	PCL06	193522.9813	643583.9198	-	634916.6478	2111491.5767		
PCL07	1320+81.36	-	C/L	635036.9336	2111720.2915	-	PI	PI CENTERLINE OF CONSTRUCTION US 20	PCL07	193545.5195	643606.6618	-	634990.5920	2111566.1894		
PCL08	1320+63.96	-	C/L	635068.1766	2111753.5130	-	PC	PC CENTERLINE OF CONSTRUCTION US 20	PCL08	193555.0417	643616.7870	-	635021.8327	2111599.4085		
PCL09	1322+74.07	-	C/L	635213.5138	2111905.2432	-	PT	PT CENTERLINE OF CONSTRUCTION US 20	PCL09	193599.3374	643663.0311	-	635167.1593	2111751.1276		
PCL10	1323+57.98	-	C/L	635272.1096	2111965.3050	-	PC	PC CENTERLINE OF CONSTRUCTION US 20	PCL10	193617.1961	643681.3366	-	635225.7508	2111811.1850		
PCL11	1325+34.55	-	C/L	635394.4307	2112092.6353	-	PT	PT CENTERLINE OF CONSTRUCTION US 20	PCL11	193654.4769	643720.1441	-	635348.0630	2111938.5060		
PCL12	1328+27.46	-	C/L	635595.7184	2112305.4252	-	PC	PC CENTERLINE OF CONSTRUCTION US 20	PCL12	193715.8251	643784.9979	-	635549.3360	2112151.2804		
PCL13	1332+59.22	-	C/L	635934.7011	2112570.2087	-	PT	PT CENTERLINE OF CONSTRUCTION US 20	PCL13	193819.1397	643865.6982	-	635888.2940	2112416.0446		
PCL14	1336+82.86	-	C/L	636303.7822	2112778.1458	-	PI	PI CENTERLINE OF CONSTRUCTION US 20	PCL14	193931.6276	643929.0729	-	636257.3481	2112623.9665		
TOTAL MONUMENTS - QUANTITY CARRIED TO GENERAL SUMMARY ITEM 604												2	0			

LOR-20-24.97

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3 / 3
DESIGN AGENCY
DESIGNER
BSM
REVIEWER
JRM 12/11/23
PROJECT ID
108039
SUBSET TOTAL
RW.4 RW.9
SHEET TOTAL
P.64 75