

SURVEYING POSITIONAL PARAMETERS

THE FOLLOWING VERTICAL AND HORIZONTAL POSITIONING
PARAMETERS WERE FOR ALL SURVEYING:

PROJECT CONTROL

POSITIONING METHOD: OBSERVATION METHODS TO ESTABLISH
CONTROL PER 502.2.D. OF SURVEY MANUAL, STATIC GNSS SURVEY.
MONUMENT TYPE: PROJECT CONTROL MONUMENT TYPE A (2)
AND TYPE B (4)

VERTICAL POSITIONING
ORTHOMETRIC HEIGHT DATUM: NAVD88
GEOID: GEOID18

HORIZONTAL POSITIONING
REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE (3401)
ORIGIN OF SCALE (X,Y) EASTING (X): 0 NORTHING (Y): 0
COMBINED SCALE FACTOR: 1.000097049

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

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.

2025-0046050
PLAT Fee: \$259.20 Page 1 of 4
Recorded: 3/20/2025 at 09:19 AM
Receipt: T20250005746
Lorain County Recorder Mike Doran

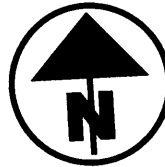
NO TRANSFER NECESSARY
J. CRAIG SNODGRASS, CPA, CGFM
LORAIN COUNTY AUDITOR
3/20/25 LB
DEPUTY

Plat Vol 117
Pg 70, 71, 72

CENTERLINE PLAT
LOR-18-01.60
ORIGINAL LOTS 7, 8, 16 & 17
TRACT 7
LORAIN COUNTY
BRIGHTON TOWNSHIP

BASIS OF BEARINGS

ALL BEARINGS SHOWN ARE FOR PROJECT USE ONLY.
THE BASIS OF BEARINGS IS THE OHIO STATE PLANE
COORDINATE SYSTEM, NORTH ZONE AND THE
NAD83 (2011).

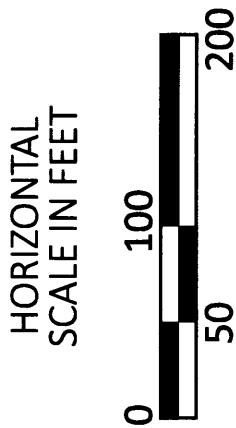


BASIS OF EXISTING CL R/W AND R/W WIDTH

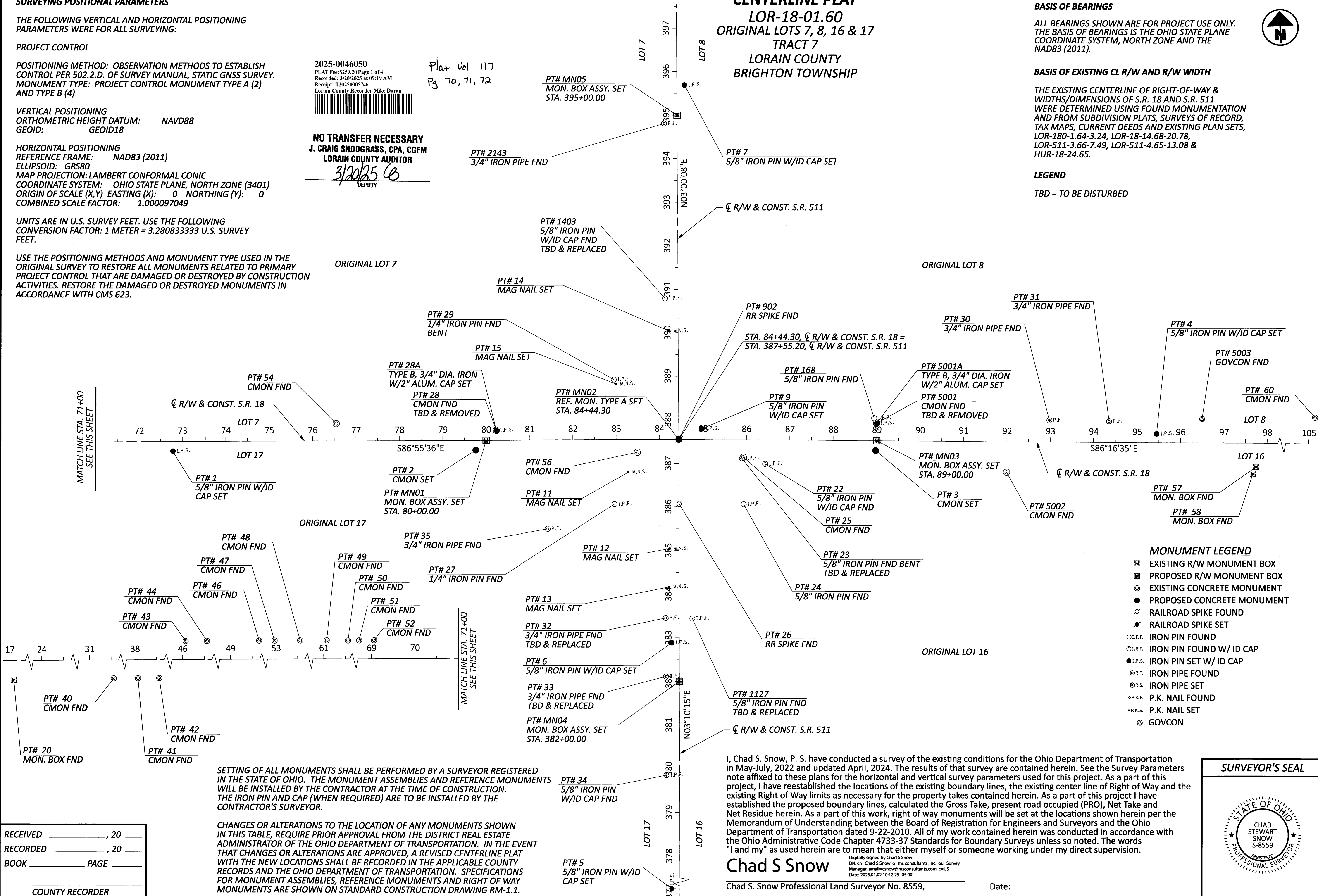
THE EXISTING CENTERLINE OF RIGHT-OF-WAY &
WIDTHS/DIMENSIONS OF S.R. 18 AND S.R. 511
WERE DETERMINED USING FOUND MONUMENTATION
AND FROM SUBDIVISION PLATS, SURVEYS OF RECORD,
TAX MAPS, CURRENT DEEDS AND EXISTING PLAN SETS,
LOR-180-1.64-3.24, LOR-18-14.68-20.78,
LOR-511-3.66-7.49, LOR-511-4.65-13.08 &
HUR-18-24.65.

LEGEND

TBD = TO BE DISTURBED



RIGHT OF WAY
CENTERLINE PLAT



- MONUMENT LEGEND**
- EXISTING R/W MONUMENT BOX
 - PROPOSED R/W MONUMENT BOX
 - EXISTING CONCRETE MONUMENT
 - PROPOSED CONCRETE MONUMENT
 - RAILROAD SPIKE FOUND
 - RAILROAD SPIKE SET
 - IRON PIN FOUND
 - IRON PIN FOUND W/ ID CAP
 - IRON PIN SET W/ ID CAP
 - IRON PIPE FOUND
 - IRON PIPE SET
 - P.K. NAIL FOUND
 - P.K. NAIL SET
 - GOVCON

SETTING OF ALL MONUMENTS SHALL BE PERFORMED 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.

I, Chad S. Snow, P. S. have conducted a survey of the existing conditions for the Ohio Department of Transportation
in May-July, 2022 and updated April, 2024. The results of that survey are contained herein. See the Survey Parameters
note affixed to these plans for the horizontal and vertical survey parameters used for this project. As a part of this
project, I have reestablished the locations of the existing boundary lines, the existing center line of Right of Way and the
existing Right of Way limits as necessary for the property takes contained herein. As a part of this project I have
established the proposed boundary lines, calculated the Gross Take, present road occupied (PRO), Net Take and
Net Residue herein. As a part of this work, right of way monuments will be set at the locations shown herein per the
Memorandum of Understanding between the Board of Registration for Engineers and Surveyors and the Ohio
Department of Transportation dated 9-22-2010. All of my work contained herein was conducted in accordance with
the Ohio Administrative Code Chapter 4733-37 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.

Chad S Snow

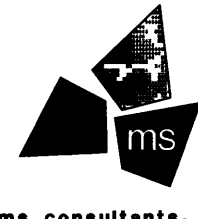
Chad S. Snow Professional Land Surveyor No. 8559,

Date:

SURVEYOR'S SEAL



DESIGN AGENCY



DESIGNER

ACW

REVIEWER

CSS 11-7-2024

PROJECT ID

116214

SHEET 1 TOTAL 3

RW-2 RW-18

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

LUK-18-01.60

MODEL: Sheet PAPER: 34x22 (in.) DATE: 1/2/2025 TIME: 9:43:49 AM USER: mneider
pw:\ahiodot-pw-bentley.com\ahiodot-pw-02\Documents\01 Active Projects\District 03\Lorain\116214\405-Engineering_MS\Consultants\RW\Sheets\116214_R0002.dgn

CENTERLINE & MONUMENT COORDINATE TABLE												
STATION OFFSET (FROM C/L R/W)		PROJECT COORDINATES (SEE SURVEY CERTIFICATION)		GRID COORDINATES (OSPN)		MONUMENT DESCRIPTION		MONUMENTS TO BE SET DURING CONSTRUCTION		R/W MON. EXPECTED TO BE DISTURBED	PRECONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT	POST CONSTRUCTION SURVEY MONUMENT VERIFICATION AND REPORT
STATION	OFFSET	NORTHING (Y)	EASTING (X)	NORTHING (m)	EASTING (m)	PT. #	DESCRIPTION	MON. ASSY. (623 TYPE C)	REF. MON. (623 TYPE A)	R/W. MON. (623 TYPE B)	(ITEM 623)	(ITEM 623)
CENTERLINE OF R/W - S.R. 18												
80+00.00	℄	548231.447	2020823.711	167085.064	615888.527	MN01	MON. BOX ASSY. SET	1				
84+44.30	℄	548207.626	2121267.372	167077.804	646500.846	MN02	REFERENCE MON. TYPE A SET		1			
89+00.00	℄	548178.032	2021722.110	167068.784	616162.333	MN03	MON. BOX ASSY. SET	1				
CENTERLINE OF R/W - S.R. 511												
382+00.00	℄	547653.276	2021236.662	166908.854	616014.383	MN04	MON. BOX ASSY. SET	1				
395+00.00	℄	548951.404	2021306.382	167304.486	616035.632	MN05	MON. BOX ASSY. SET	1				
RIGHT OF WAY MONUMENTS EXPECTED TO BE DISTURBED & MISCELLANEOUS MONUMENTS												
CENTERLINE OF R/W - S.R. 18												
17+09.08	44.89' RT.	548504.174	2014538.707	167168.183	613973.040	20	MON. BOX FND					
31+55.94	42.57' RT.	548437.747	2015984.041	167147.938	614413.536	40	CMON FND					
38+06.88	42.59' RT.	548406.789	2016634.247	167138.503	614611.700	41	CMON FND					
38+55.89	42.50' RT.	548404.552	2016683.209	167137.821	614626.622	42	CMON FND					
46+07.02	42.24' LT.	548453.509	2017437.515	167152.742	614856.513	43	CMON FND					
46+56.09	42.30' LT.	548451.234	2017486.533	167152.048	614871.452	44	CMON FND					
49+66.34	42.43' LT.	548436.466	2017796.688	167147.548	614965.978	46	CMON FND					
52+97.00	42.21' LT.	548418.519	2018126.860	167142.078	615066.605	47	CMON FND					
53+56.05	42.37' LT.	548415.515	2018185.831	167141.162	615084.578	48	CMON FND					
61+07.11	42.24' LT.	548375.114	2018935.810	167128.849	615313.150	49	CMON FND					
61+56.09	42.30' LT.	548372.549	2018984.719	167128.068	615328.056	50	CMON FND					
68+57.15	42.30' LT.	548334.959	2019684.772	167116.611	615541.412	51	CMON FND					
69+06.17	42.42' LT.	548332.451	2019733.727	167115.847	615556.332	52	CMON FND					
76+54.76	39.72' LT.	548289.618	2020481.092	167102.793	615784.107	54	CMON FND					
80+23.47	23.07' LT.	548253.221	2020848.384	167091.700	615896.047	28	CMON FND, TO BE DISTURBED AND REMOVED					
80+23.50	23.00' LT.	548253.154	2020848.410	167091.679	615896.055	28A	3/4" DIA. IRON W/2" ALUM. CAP SET			1		
83+48.77	29.36' RT.	548183.409	2021170.409	167070.423	615994.191	56	CMON FND					
84+44.35	℄	548207.626	2021267.372	167077.804	616023.742	902	RR SPIKE FND					
85+90.12	42.71' RT.	548155.540	2021410.111	167061.929	616067.245	23	5/8" IRON PIN FND BENT, TO BE DISTURBED AND REPLACED WITH +			1		
85+93.32	40.04' RT.	548157.990	2021413.480	167062.676	616068.272	25	CMON FND					
86+43.74	54.97' RT.	548139.817	2021462.822	167057.138	616083.310	22	5/8" IRON PIN W/ID CAP FND					
88+93.89	51.54' LT.	548229.864	2021719.360	167084.581	616161.495	168	5/8" IRON PIN FND					
88+99.51	40.02' RT.	548217.995	2021724.219	167080.964	616162.976	5001	CMON FND, TO BE DISTURBED AND REMOVED					
89+00.00	40.00' RT.	548217.947	2021724.707	167080.949	616163.125	5001A	3/4" DIA. IRON W/2" ALUM. CAP SET			1		
91+99.74	69.96' RT.	548088.752	2022016.670	167041.574	616252.107	5002	CMON FND					
92+97.55	49.66' LT.	548201.766	2022122.048	167076.018	616284.223	30	3/4" IRON PIPE FND					
94+35.19	48.55' LT.	548191.725	2022259.322	167072.958	616326.060	31	3/4" IRON PIPE FND					
96+49.44	55.00' LT.	548184.252	2022473.539	167070.680	616391.347	5003	GOVCON FND					
97+72.69	54.96' RT.	548066.511	2022589.388	167034.796	616426.655	57	MON. BOX FND					
97+72.78	69.90' RT.	548051.595	2022588.508	167030.250	616426.386	58	MON. BOX FND					
105+15.12	60.19' LT.	548133.209	2023337.731	167055.124	616654.728	60	CMON FND					
CENTERLINE OF R/W - S.R. 511												
379+85.75	30.55' LT.	547441.040	2021194.311	166844.171	616001.476	34	5/8" IRON PIN W/ID CAP FND					
382+11.64	30.99' LT.	547666.614	2021206.367	166912.919	616005.150	33	3/4" IRON PIPE FND, TO BE DISTURBED AND REPLACED WITH +			1		
383+44.01	30.17' RT.	547795.397	2021274.752	166952.168	616025.992	1127	5/8" IRON PIN FND, TO BE DISTURBED AND REPLACED WITH +			1		
383+45.42	31.20' LT.	547800.200	2021213.556	166953.632	616007.341	32	3/4" IRON PIPE FND, TO BE DISTURBED AND REPLACED WITH +			1		
385+50.34	302.59' LT.	548019.821	2020953.915	167020.566	615928.210	35	3/4" IRON PIPE FND					
386+06.26	148.43' LT.	548067.122	2021110.931	167034.982	615976.064	27	1/4" IRON PIN FND					
386+05.04	149.14' RT.	548049.806	2021408.998	167029.705	616066.906	24	5/8" IRON PIN FND					
386+06.67	0.40' RT.	548059.302	2021259.559	167032.599	616021.361	26	RR SPIKE FND					
388+92.54	148.91' LT.	548352.576	2021125.858	167121.980	615980.613	29	1/4" IRON PIN FND, BENT					
390+78.94	29.96' LT.	548532.493	2021254.407	167176.814	616019.791	1403	5/8" IRON PIN W/ID CAP FND, TO BE DISTURBED AND REPLACED WITH +			1		
394+80.92	30.00' LT.	548933.917	2021275.423	167299.156	616026.196	2143	3/4" IRON PIPE FND					
HORIZONTAL CONTROL MONUMENTS												
CENTERLINE OF R/W - S.R. 18												
72+78.29	22.25' RT.	548247.928	2020101.843	167090.087	615668.523	1	5/8" IRON PIN W/ ID CAP SET					
79+76.05	22.06' RT.	548210.700	2020798.617	167078.741	615880.880	2	CMON SET					
83+00.64	126.83' LT.	548341.974	2021130.717	167118.749	615982.094	15	MAG NAIL SET					
83+27.68	75.22' RT.	548138.770	2021146.882	167056.818	615987.021	11	MAG NAIL SET					
84+97.27	24.80' LT.	548228.931	2021321.839	167084.297	616040.342	9	5/8" IRON PIN W/ ID CAP SET					
88+97.84	22.58' RT.	548155.643	2021718.489	167061.961	616161.230	3	CMON SET					
95+44.76	20.33' LT.	548156.448	2022366.828	167062.206	616358.825	4	5/8" IRON PIN W/ ID CAP SET					
CENTERLINE OF R/W - S.R. 511												
377+10.15	18.72' LT.	547165.212	2021190.876	166760.106	616000.429	5	5/8" IRON PIN W/ ID CAP SET					
382+88.79	17.25' LT.	547742.883	2021224.347	166936.164	616010.630	6	5/8" IRON PIN W/ ID CAP SET					
384+16.59	22.72' LT.	547870.791	2021225.960	166975.146	616011.121	13	MAG NAIL SET					
385+04.70	22.03' LT.	547958.728	2021231.518	167001.947	616012.815	12	MAG NAIL SET					
390+03.71	20.12' LT.	548456.846	2021260.297	167153.759	616021.586	14	MAG NAIL SET					
395+68.91	17.30' RT.	549019.312	2021327.271	167325.182	616041.998	7	5/8" IRON PIN W/ ID CAP SET					
							TOTAL QUANTITY CARRIED TO GENERAL SUMMARY	4	1	7	LS	LS

NOTE:
FOR SURVEYING POSITIONAL PARAMETERS
SEE SHEET RW.2

LEGEND:
+ 3/4" DIA. IRON W/2" ALUM. CAP SET

RIGHT OF WAY
CENTERLINE & MONUMENT COORDINATE TABLE

DESIGN AGENCY

ms consultants, inc.

DESIGNER
ACW

REVIEWER
CSS 11-7-2024

PROJECT ID
116214

SHEET 2
RW-3

TOTAL 3
RW-16

LOR-18-01.60

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PROPOSED BOUNDARY MONUMENT COORDINATE TABLE								
STATION OFFSET (FROM C/L R/W)		PROJECT COORDINATES (SEE SURVEY CERTIFICATION)		GRID COORDINATES (OSPN)		MONUMENT DESCRIPTION		CONSTRUCTION LAYOUT STAKES AND SURVEY MONUMENTS
STATION	OFFSET	NORTHING (Y)	EASTING (X)	NORTHING (m)	EASTING (m)	PT. #	DESCRIPTION	R/W. MON. (ITEM 623 TYPE B)
CENTERLINE OF R/W - S.R. 18								
81+40.93	40.00' RT.	548183.949	2020962.290	167070.588	615930.762	RW001	3/4" DIA. IRON W/2" ALUM. CAP SET	1
82+95.74	46.55' RT.	548169.106	2021116.532	167066.064	615977.771	RW002	3/4" DIA. IRON W/2" ALUM. CAP SET	1
83+45.43	45.76' RT.	548167.235	2021166.189	167065.494	615992.905	RW003	3/4" DIA. IRON W/2" ALUM. CAP SET	1
82+95.67	30.00' LT	548245.552	2021120.567	167089.363	615979.001	RW007	3/4" DIA. IRON W/2" ALUM. CAP SET	1
82+95.63	40.00' LT	548255.539	2021121.061	167092.406	615979.151	RW008	3/4" DIA. IRON W/2" ALUM. CAP SET	1
83+50.00	40.00' LT	548252.624	2021175.352	167091.518	615995.697	RW009	3/4" DIA. IRON W/2" ALUM. CAP SET	1
85+93.43	45.00' RT	548153.036	2021413.265	167061.166	616068.206	RW015	3/4" DIA. IRON W/2" ALUM. CAP SET	1
86+43.62	45.00' RT	548149.777	2021463.343	167060.173	616083.469	RW016	3/4" DIA. IRON W/2" ALUM. CAP SET	1
87+00.08	45.00' RT	548146.110	2021519.682	167059.055	616100.639	RW017	3/4" DIA. IRON W/2" ALUM. CAP SET	1
85+16.55	30.00' LT	548232.871	2021341.415	167085.498	616046.309	RW018	3/4" DIA. IRON W/2" ALUM. CAP SET	1
CENTERLINE OF R/W - S.R. 511								
386+81.64	60.05' LT.	548137.505	2021203.350	167056.433	616004.230	RW004	3/4" DIA. IRON W/2" ALUM. CAP SET	1
386+19.97	40.00' LT	548074.817	2021219.953	167037.327	616009.290	RW005	3/4" DIA. IRON W/2" ALUM. CAP SET	1
386+06.58	40.00' LT	548061.447	2021219.213	167033.253	616009.065	RW006	3/4" DIA. IRON W/2" ALUM. CAP SET	1
388+14.90	63.03' LT.	548270.547	2021207.559	167096.980	616005.513	RW010	3/4" DIA. IRON W/2" ALUM. CAP SET	1
388+60.29	35.00' LT.	548314.405	2021237.924	167110.347	616014.768	RW011	3/4" DIA. IRON W/2" ALUM. CAP SET	1
389+03.74	35.00' LT.	548357.798	2021240.200	167123.572	616015.461	RW012	3/4" DIA. IRON W/2" ALUM. CAP SET	1
386+60.00	30.00' RT	548110.912	2021292.060	167048.328	616031.267	RW013	3/4" DIA. IRON W/2" ALUM. CAP SET	1
386+87.79	62.57' RT	548136.862	2021326.120	167056.237	616041.647	RW014	3/4" DIA. IRON W/2" ALUM. CAP SET	1
388+18.53	49.60' RT	548268.274	2021320.224	167096.288	616039.850	RW019	3/4" DIA. IRON W/2" ALUM. CAP SET	1
389+00.00	30.00' RT	548350.656	2021304.915	167121.395	616035.184	RW020	3/4" DIA. IRON W/2" ALUM. CAP SET	1
385+40.00	30.00' LT	547994.415	2021225.514	167012.823	616010.985	RW021	3/4" DIA. IRON W/2" ALUM. CAP SET	1
385+40.00	40.00' LT	547994.968	2021215.530	167012.992	616007.942	RW022	3/4" DIA. IRON W/2" ALUM. CAP SET	1
390+78.95	35.00' LT	548532.761	2021249.377	167176.895	616018.258	RW023	3/4" DIA. IRON W/2" ALUM. CAP SET	1
393+00.00	35.51' LT	548753.513	2021260.955	167244.174	616021.787	RW024	3/4" DIA. IRON W/2" ALUM. CAP SET	1
393+00.00	30.00' LT	548753.251	2021265.959	167244.094	616023.312	RW025	3/4" DIA. IRON W/2" ALUM. CAP SET	1
							TOTAL QUANTITY CARRIED TO GENERAL SUMMARY	LS

NOTE:
FOR SURVEYING POSITIONAL PARAMETERS
SEE SHEET RW.2

RIGHT OF WAY
PROPOSED BOUNDARY MONUMENT COORDINATE TABLE

DESIGN AGENCY



ms consultants, inc.

DESIGNER

ACW

REVIEWER

CSS 11-7-2024

PROJECT ID

116214

SHEET 3

TOTAL 3

RW.4

RW.18

Plat SheetInstrument # 2025-0046050

Film # _____

Name of Plat LOR 18-01.60Owner: State of Ohio Ohio Department of TransportationDescription: Situated in the State of Ohio, County
of Lorain, Brighton Township original lots
7, 8, 16 & 17 tract 7

Floor Plans: _____

Related/Margin: _____

Comments: _____

Vol 117Receiving StampPg. 70, 71, 72Amount: 259.20Initials: JH