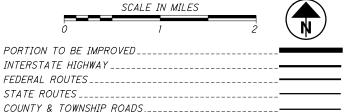
LATITUDE: N41°23′10.28" LONGITUDE: W81°31′51.64"

OTHER ROADS



DESIGN DESIGNATION

CURRENT ADT (2022)	9000
DESIGN YEAR ADT (2042)	9500
DESIGN HOURLY VOLUME (2042)	950
DIRECTIONAL DISTRIBUTION	60%
TRUCKS (24 HOUR B&C)	<i>3.0%</i>
DESIGN SPEED	<i>30 MPH</i>
LEGAL SPEED	25 MPH
DESIGN FUNCTIONAL CLASSIFICATION:	E-MINOR ARTERIAL

ENGINEERS SEAL

BRIDGE

CHEOF OX

NHS PROJECT NO

DESIGN EXCEPTIONS

NONE



PLAN PREPARED BY:



2 SUMMIT PARK DRIVE, SUITE 335 INDEPENDENCE, OHIO 44131

STATE OF OHIO

DEPARTMENT OF TRANSPORTATION

CUY-14-12.12E-PART 1

FOR PART 2, SEE CUY-14-12,12E CITY OF BEDFORD CUYAHOGA COUNTY

INDEX OF SHEETS:

TITLE SHEET	1
GENERAL NOTES	2
MAINTENANCE OF TRAFFIC	3
SANITARY SEWER GENERAL NOTES	4
GENERAL SUMMARY	6
SANITARY SEWER SUBSUMMARY	7
SANITARY SEWER PLAN & PROFILE	8
SANITARY SEWER PROFILES	9
SANITARY SEWER DETAILS	10 - 13
STRUCTURES 20 FOOT SPAN	14 23
AND OVER	

PROJECT DESCRIPTION

CONSTRUCT TEMPORARY PILE BENT ABUTMENTS, INSTALL DEPARTMENT-FURNISHED PREFABRICATED STRUCTURE (ACROW DSRIH PANEL BRIDGE), AND CONSTRUCT TEMPORARY SANITARY SEWER RELOCATION.

EARTH DISTURBED AREAS

PROJECT EARTH DISTURBED AREA: 0.48 ACRES ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 0.25 ACRES NOTICE OF INTENT EARTH DISTURBED AREA: NOT REQUIRED

2023 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 DE-TOURS WILL BE PROVIDED AS INDICATED ON SHEET 3.

SUPPLEMENTAL SPECIAL STANDARD CONSTRUCTION DRAWINGS SPECIFICATIONS **PROVISIONS** 7/16/21 MT-97.10 4/19/19 1/19/24 1/21/22 MGS-1.1 WATERWAY 3P-2.2 1/15/21 MGS-2.1 1/19/18 MT-101.60 7/21/2 PERMITS 4/16/2 ·CONDITIONS · 7/18/14 MGS-3.1 1/19/18 BP-2.3 10/07/2024 BP-2.5 1/21/22 MGS-3.2 ENGINEERS SEAL 7/19/13 MGS-4.2 ROADWAY CB-3 7/16/21 RM-1.1 1/20/23 7/21/23 AS-1-15 1/20/23 AS-2-15 7/21/23 DM-1.1 7/17/20 BR-2-15 1/21/22 DM-1.2 7/16/21 GSD-1-19 1/15/21 DM-4.4 1/15/16 PSID-1-13 1/20/23 SICD-1-21 1/21/22

7/19/13 SICD-2-14

nn Picuri, P.E., S.I. District 12´ Depúty Director

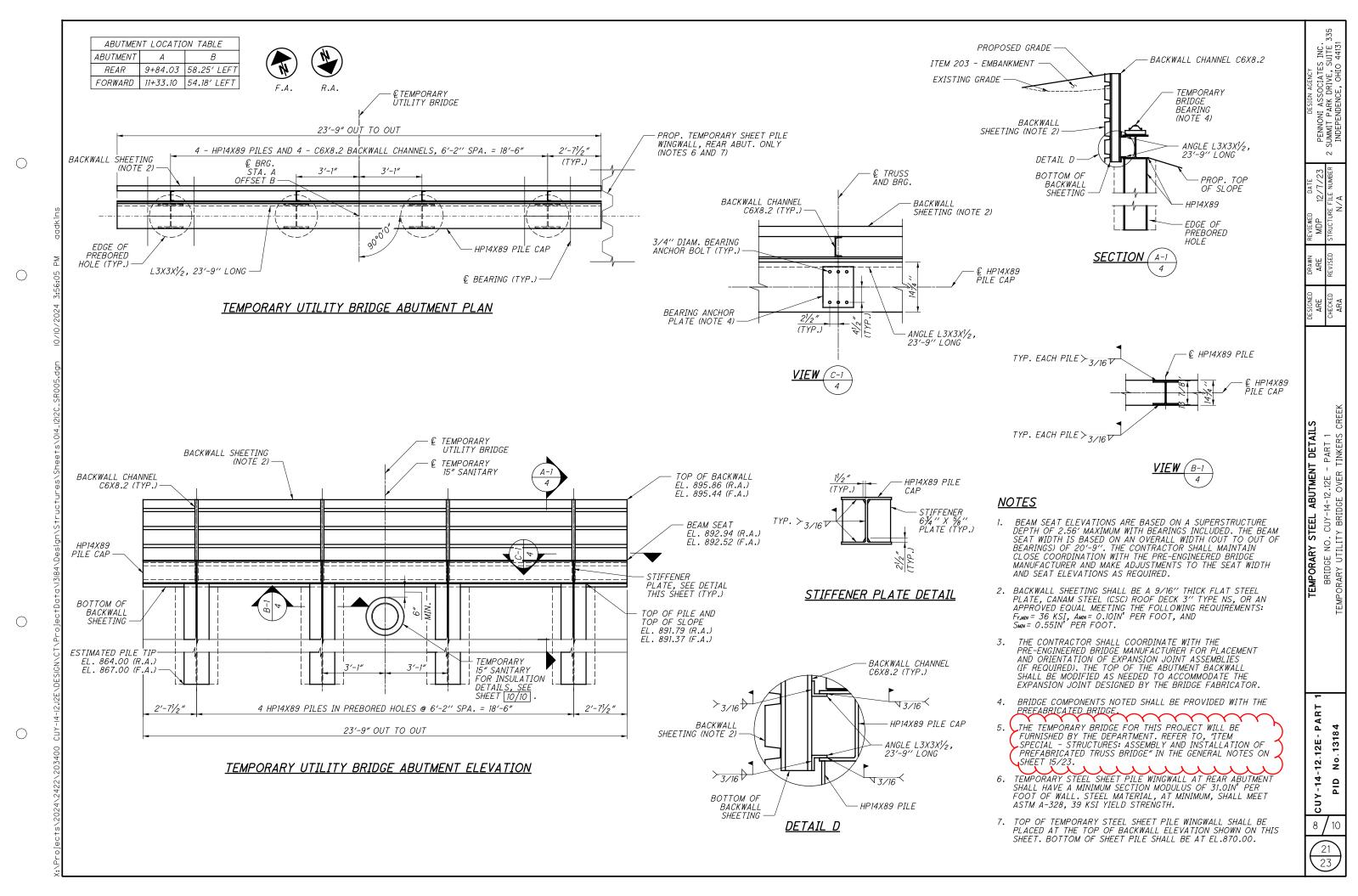
Wack Marchbanks, PhD Director, Department of Transportation

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ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

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

CITY OF BEDFORD 120 SOLON ROAD BEDFORD, OHIO 44146 CLINTON BELLAR, SERVICE DIRECTOR 440-232-1600/440-735-6581 CBELLAR@BEDFORDOH.GOV

CEI - ILLUMINATING CO 6896 MILLER ROAD BRECKSVILLE, OH 44141 TED RADER, DESIGN SUPERVISOR 440-546-8738 RADERT@FIRSTENERGYGROUP.COM

CITY OF CLEVELAND DIVISION OF WATER 1201 LAKESIDE AVENUE CLEVELAND, OHIO 44114 FRED ROBERTS 216-644-2444 X5590 FRED_ROBERTS@CLEVELANDWATER.COM

DOMINION ENERGY OHIO 320 SPRINGSIDE DRIVE, SUITE 320 AKRON, OHIO 44333 THEODORE HARSHMAN, PROJECT MANAGER 216-299-6861 THEODORE.H.HARSHMAN@DOMINIONENERGY.COM

A T & T

13630 LORAIN AVENUE - SECOND FLOOR CLEVELAND, OHIO 44111 JAMES JANIS, DESIGN MANAGER 216-476-6142 PJ8191@ATT.COM

AT&T LONG DISTANCE FACILITIES METROPOLITAN COMMUNICATIONS GROUP 155 COMMERCE CENTER DRIVE SUITE #1 WESTERVILLE, OHIO 43082 CHAD HARKNESS 770-584-7083 CHAD.HARKNESS@MCGFIBER.COM

AT&T | ONG | INF 755 EAST PLEASANT VALLEY ROAD SUITE 140 INDEPENDENCE, OHIO 44131 MIKE DIEDERICH 216-750-0135 MD4145@ATT.COM

CENTURYLINK (GREAT LAKES DIVISION) 441 WEST BROAD STREET PATASKALA, OHIO 43062 CHRIS STRAYER 303-886-1299 CHRISTOPHER.STRAYER@CENTURYLINK.COM SUNOCO PIPELINE L.P. ENCROACHMENT REVIEW 525 FRITZTOWN ROAD SINKING SPRING, PA 19608 DEB SCHNECK 610-670-3258 ENCROACHMENTS@ENERGYTRANSFER.COM

CROWN CASTLE CENTRAL REGION / LOUISVILLE DISTRICT 15565 NEO PKWY, GARFIELD HTS, OH 44128 JON TARNOWSKI 614-940-2462 JON.TARNOWSKI@CROWNCASTLE.COM

CHARTER COMMUNICATION 7 SEVERANCE CIRCLE CLEVELAND HEIGHTS, OHIO 44118 MARK JACKSON - CONSTRUCTION COORDINATOR CELL: 216.214.7780 - DESK: 234.208.4650 MARK.JACKSON@CHARTER.CO

UTILITIES

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 7:00 PM AND 7:00 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 THIS SHEET 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: ODOT VRS MONUMENT TYPE: TYPE B

VERTICAL POSITIONING

ORTHOMETRIC HEIGHT DATUM: NAVD88 GEOID: GEOID 12B

HORIZONTAL POSITIONING

REFERENCE FRAME: NAD 83 (CONUS) (MOL) ELLIPSOID: GRS 80 MAP PROJECTION: LAMBERT CONFORMAL CONIC COORDINATE SYSTEM: OHIO STATE PLANE - NORTH ZONE COMBINED SCALE FACTOR: 1.0000831570 (GRID TO GROUND) ORIGIN OF COORDINATE SYSTEM: (0,0)

SURVEYING PARAMETERS (CONTINUED)

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.

ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING

PER CMS 623.04 AND 623.05, THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL EXISTING MONUMENT ASSEMBLIES PRIOR TO BEGINNING ANY PAVEMENT WORK AND AFTER PROJECT COMPLETION. A PRE-INSPECTION REPORT TO BE SUBMITTED PRIOR TO COMMENCEMENT OF WORK AND POST-CONSTRUCTION REPORT SUBMITTED PRIOR TO OR IN CONJUNCTION WITH THE FINAL INSPECTION TO THE DISTRICT SURVEY OPERATIONS MANAGER. EXISTING MONUMENTATION SHALL BE PRESERVED AND PERPETUATED THROUGHOUT THE PROJECT.

THE DEPARTMENT 5/32S STANDARDIZED VERIFICATION REPORT TEMPLATE CAN BE FOUND AT THE FOLLOWING LOCATION:

https://www.dot.state.oh.us/Divisions/ConstructionMqt/ Documents

ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS NEEDED TO COMPLETE THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING.

ANY MONUMENT ASSEMBLY THAT IS IMMEDIATELY VISIBLE ON THE SURFACE OF THE EXISTING PAVEMENT OR IS UNCOVERED DURING THE PLANNING PROCESS SHALL BE ADJUSTED TO GRADE OR, IF SUBSTANTIAL DETERIORATION IS DETERMINED BY THE ENGINEER, RECONSTRUCTED TO GRADE. THESE ADJUSTMENTS AND RECONSTRUCTIONS SHALL BE PAID FOR UNDER THE PERTINENT 623 PAY ITEMS.

MONUMENT ASSEMBLIES

CONSTRUCT MONUMENT ASSEMBLIES IN ACCORDANCE WITH THE DETAILS SHOWN ON THE STANDARD CONSTRUCTION DRAWINGS AND AT THE LOCATIONS SHOWN ON SHEET NO. 84/97.

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.

CLEARING AND GRUBBING

ALTHOUGH THERE ARE NO TREES OR STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE LIMITS OF THE PROJECT. A LUMP SUM QUANTITY IS INCLUDED IN THE GENERAL SUMMARY FOR ITEM 201, CLEARING AND GRUBBING. ALL PROVISIONS AS SET FORTH IN THE SPECIFICATIONS UNDER THIS ITEM ARE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 201, CLEARING AND GRUBBING.

ANY TREE REMOVALS WITHIN THE CONSTRUCTION LIMITS NECESSARY FOR THE CONSTRUCTION SHALL BE INCLUDED IN THIS ITEM. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED:

-	SIZE	NO.	TREES	NO.	STUMPS	TOTAL
_	12"		5		0	5
	15"		3		0	3

ITEM 204 - PROOF ROLLING

THE FOLLOWING QUANTITY IS PROVIDED IN THE GENERAL SUMMARY TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEET NO. 3 FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING 1 HOUR.

SEEDING AND MULCHING

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

659, SOIL ANALYSIS TEST 2 EACH

659, TOPSOIL 131 CU. YD.

659, SEEDING AND MULCHING SEE SHEET 24

659, SEEDING AND MULCHING 773 SQ. YD. *

659, REPAIR SEEDING AND MULCHING 59 SQ. YD.

59 SQ. YD. 659, INTER-SEEDING

659, COMMERCIAL FERTILIZER 0.17 TON

0.24 ACRES 659, LIME

6 M. GAL. 659, WATER

* ADDITIONAL SEEDING AND MULCHING AREA PROVIDED FOR THE REMOVAL OF THE TEMPORARY BRIDGE AND UTILITIES.

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.

		PRIMAR	Y PROJECT CONTRO	OL INFORMATION							
	GRID COC	RID COORDINATES SCALED COORDINATES		RDINATES SCALED COORDINATES			ORTHOMETRIC				
POINT NUMBER U.S. SURVEY F		VEY FEET	U.S. SUR	VEY FEET	HEIGHT	DESCRIPTION					
	NORTHING	EASTING	NORTHING	EASTING	(ELEVATION)						
CP100	628020.728	2233758.209	628072.952	2233943.962	921.46	*					
CP101	628208.670	2234471.691	628260.910	2234657.503	902.01	**					
		* ¾ INCH REBAR	WITH 2.5 INCH ALC	UMINUM CAP. STAN	IPED "PROJECT CO	NTROL POINT" AND "PRIMARY 100".					

^{**} ¾ INCH REBAR WITH 2.5 INCH ALUMINUM CAP, STAMPED "PROJECT CONTROL POINT" AND "PRIMARY 101".

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NET RESIDUE = RECORD AREA - TOTAL PRO - NET TAKE

GRANTEE:

				T					S IN ACRES					UNLESS OTHERWISE SHOWN.			_ PR _
CEL O.	OWNER	SHEET NO.	OWNERS RECORD	AUDITOR'S PARCEL	RECORD AREA	TOTAL P.R.O.	GROSS TAKE	P.R.O. IN TAKE	NET TAKE	STRUC- TURE		RIGHT	TYPE FUND	REMARKS	BOOK	PAGE	DFRAI
·SH	R H HURTUK PROPERTIES, LLC	5, 6	AFN 200412290689	814-01-009	1.2400	0.0000	0.0375	0.0000	0.0375		1.2025		STATE	EXISTING VEGETATION TO BE REMOVED			┸
			O.R.C.C.										100%	PROPOSED STORM SEWER WORK AND GRADING UTILITY RELOCATION			4
														GRADING			
														EX. 12" TREE TO BE REMOVED			- 1
T						0.0000	0.1479	0.0000	0.1479					GRADING]
														EX. 18" TREE AND 30" STUMP TO BE REMOVED			╄
T1	UNKNOWN PROPERTY OWNER	5, 6		NONE ASSIGNED	4.3600	0.0000	0.0284	0.0000	0.0284					GRADING			- 9
'	UNKNOWN FROFERTT OWNER	3,0		NONE ASSIGNED	4.3000	0.0000	0.0204	0.0000	0.0204					EX. 15" STUMP, 3-15" TREES AND 5-12" TREES TO BE REMOVED			
														EX. 10 STOMI, S 10 THEES AND O 12 THEES TO BE HEMOTED			
2						0.0000	0.0054	0.0000	0.0054					GRADING]
														EX. 15" TREE TO BE REMOVED			_[
																	- S
																	4
4	THE VILLAGE OF BEDFORD	5, 6	VOL. 2478, PG. 104	NONE ASSIGNED	3.2500#	0.0000	0.0136	0.0000	0.0136		3.2364			UTILITY RELOCATION			- ≥
			C.C.D.R.											GRADING			1
																	4
						0.0000	0.0534	0.0000	0.0534					GRADING			4
																	┨
4	THE CITY OF BEDFORD, A MUNICIPAL	5, 6	AFN 201512301103	814-01-010	0.4350	0.0000	0.0351	0.0000	0.0351		0.3999			UTILITY RELOCATION			┨
_	CORPORATION	-,-	O.R.C.C.											EX. 18" TREE TO BE REMOVED			1
																	1
						0.0000	0.1017	0.0000	0.1017					EXISTING POSTS TO BE REMOVED			4
														BUILDING DEMOLISHED (FOUNDATION UNKNOWN)			4.
														PROPOSED STORM SEWER WORK AND GRADING UTILITY RELOCATION			-13
														GRADING			ا ا
																	+
			4514 00000000000000000000000000000000000				0.0007							12/ 05 5/2077/20 1/ 0// 7// 55/25 70 05 05/10/50			1
4	ROBERT & KIMBERLY ADAMOV	5, 6	AFN 202208160620 0.R.C.C.	814-21-001	0.2020	0.0000	0.0083	0.0000	0.0083			0.1937		19' OF EXISTING 4' CHAIN LINK FENCE TO BE REMOVED (3' WITHIN EX. R/W)	<u> </u>		┨
			0.4.6.6.											AUGER CAST PILES			┨
														GRADING			┪
														UTILITY RELOCATION			٦
]
							0.0007	0.000	0.0007					THE OUTLY OF REPEARD CAMETARY COMES SACRAGE			4
-						0.0000	0.0807	0.0000	0.0807					THE CITY OF BEDFORD SANITARY SEWER EASEMENT VOL. 91-6515 PG. 9 O.R.C.C.			┨
														EXISTING VEGETATION TO BE REMOVED			┨
														19' OF EXISTING 4' CHAIN LINK FENCE TO BE REMOVED	,		1
														(3' WITHIN EX. R/W)			_}
														PROPOSED SANITARY SEWER WORK AND GRADING			4
														GRADING			4
													(EX.12*(TREE NO DE REMOVED 24 MONTH DURATION	-		┨
														AAAAA			┨
															,		1
																	4
																	4
																	┨
)TE:	REAS IN ACRES UNLESS NOTED OTHERWISE.)	LEGEND: T: TEMPORARY EA. WD: FEE SIMPL SH: STANDARD HIG U: UTILITY EASEM O.R.C.C. = OFFICI	HWAY EASEMENT ENT IAL RECORDS CU	IYAHOGA CO	UNTY											
OTE: NDER	NO CIRCUMSTANCES ARE TEMPORARY EASEI	MENTS	C.C.D.R. = CUYAHO BK.: BOOK PG.: PAGE (c): AREA CALCUL	OGA COUNTY DE	ED RECORDS									ARP 9/13/24 REVISE DURATION OF TEMP			<u></u>
	USED FOR STORAGE OF MATERIAL OR EQU E CONTRACTOR UNLESS NOTED OTHERWISE.	IPMENT	(C): AREA CALCUL COUNTY AUDI *: DENOTES AN #: DEED AREA	TOR GIS													\dashv
H																	_