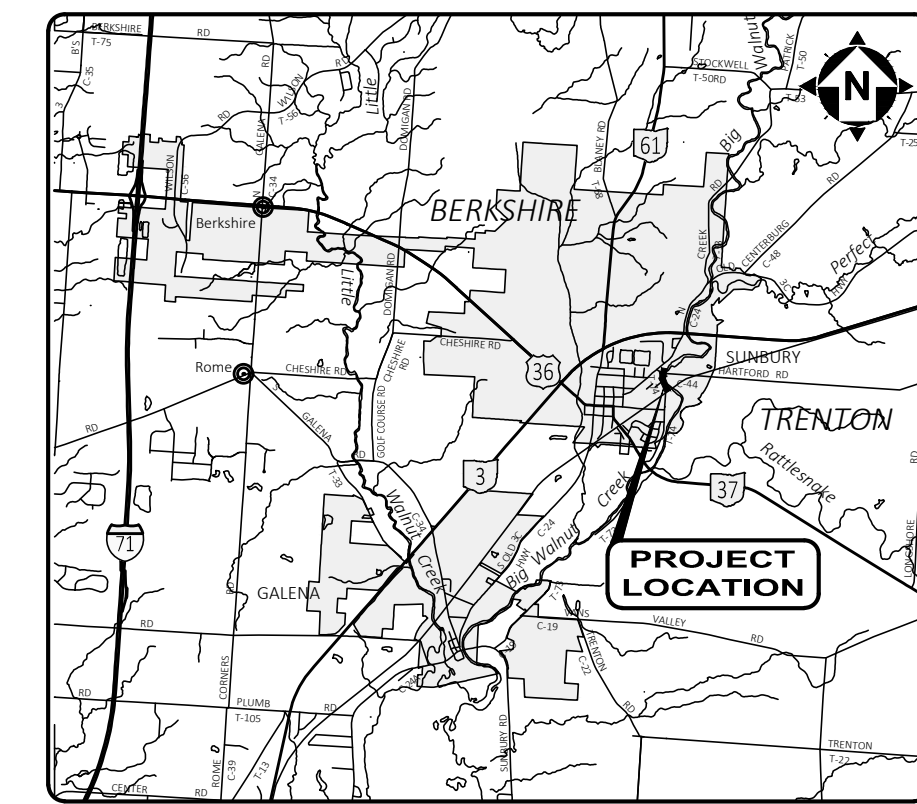


- PRELIMINARY ENGINEERING PLAN FOR -

WALNUT STREET STABILIZATION

CITY OF SUNBURY, DELAWARE COUNTY, OHIO

2024



LOCATION MAP
NTS

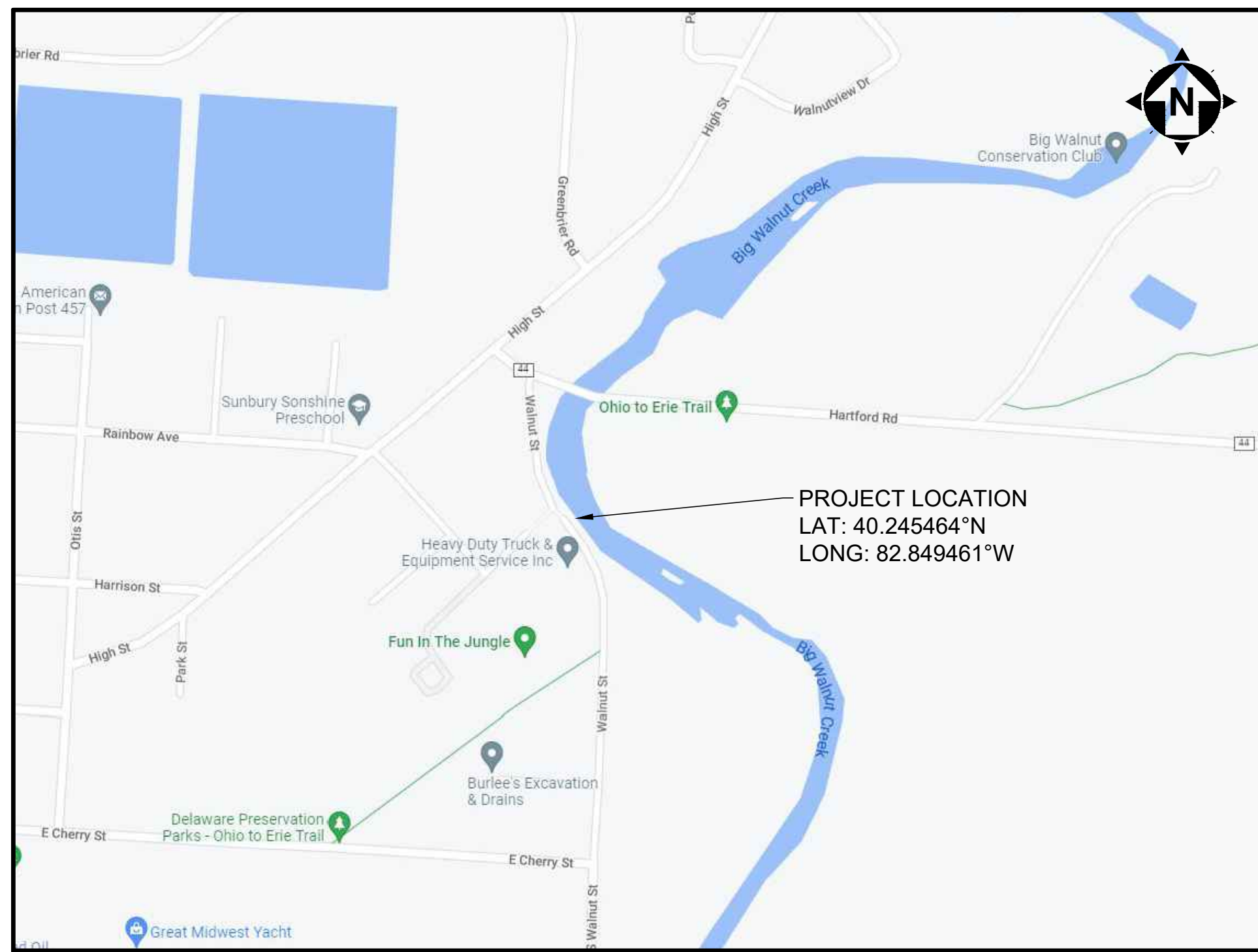
BID SET

your trusted advisor
**engineers
architects
planners**
consultants

DATE	REVISION	NO	BID SET	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			8/12/24	AS SHOWN			EJT	BKU	DWW

BENCH MARKS (NAVD 1988)		
NO.	DESCRIPTION	ELEV
BM1	POINT 100: MAG NAIL SET IN POLE NEAR INTERSECTION OF HARTFORD ROAD AND OHIO TO ERIE TRAIL (NORTHING: 211372.8878, EASTING: 1872431.9002)	1018.572
BM2	POINT 101: SCBMS US COAST & GEODETIC SURVEY T284, 1959 NEAR OHIO TO ERIE TRAIL BRIDGE OVER BIG WALNUT CREEK (NORTHING: 210843.8562, EASTING: 1871210.5227)	1005.734
BM3	POINT 102: MAG SPIKE SET IN EAST FACE OF UTILITY POLE AT INTERSECTION OF WALNUT STREET AND OHIO TO ERIE TRAIL. (NORTHING: 210631.1587, EASTING: 1870989.1547)	1003.643
BM4	POINT 103: RAILROAD SPIKE SET IN POWER POLE AT NORTHEAST CORNER OF INTERSECTION OF RAINBOW AVE AND MCGILL ST. (NORTHING: 210948.5324, EASTING: 1870644.6891)	1007.601

SOURCE OF TOPOGRAPHY: TOPOGRAPHIC SURVEY WAS PERFORMED BY CT CONSULTANTS, AUGUST, 2023 FOR WALNUT STREET STABILIZATION.



INDEX MAP
400' 0' 400'
SCALE: 1" = 400'

UTILITY COMPANIES		
NOTE: UNDERGROUND UTILITIES SHOWN ON THIS PLAN ARE BASED ON FIELD MARKINGS (BY OTHERS) AND AVAILABLE RECORDS, AND AS SUCH, SHOULD BE FIELD VERIFIED PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITY - CALL BEFORE YOU DIG!		
STORM AND SANITARY: CITY OF SUNBURY ATTN: CARLA ODEBRALSKI 9 EAST GRANVILLE STREET SUNBURY, OHIO 43074 (740) 965-2684 codebralski@sunburyvillage.com	WATER: DEL-CO WATER COMPANY 6658 OLENTANGY RIVER RD. DELAWARE, OHIO 43015 ATTN: DAVE WOLFE (740) 548-7746 EXT. 2403 dwolfe@delcowater.com	COUNTY: DELAWARE COUNTY ENGINEER ATTN: CHRIS BAUSERMAN 1610 STATE ROUTE 521 DELAWARE, OHIO 43015 (740) 833-2400 cbauserman@co.delaware.oh.us
ELECTRIC: AMERICAN ELECTRIC POWER ATTN: BRENT GATES 700 MORRISON ROAD GAHANNA, OHIO 43230 (614) 883-6802 bmgates@aep.com	GAS: COLUMBIA GAS OF OHIO ATTN: ROB CALDWELL 3350 JOHNNY APPELSEED CT. COLUMBUS, OHIO 43231 (614) 818-2104 rcaldwell@nisource.com	COMMUNICATION: BRIGHTSPEED ATTN: HALEY WOODS 250 W. OLD WILSON ROAD, SUITE 130 WORTHINGTON, OHIO 43085 haley.woods@lumen.com relocations@brightspeed.com



STANDARD CONSTRUCTION DRAWINGS			
THE CURRENT STANDARD CONSTRUCTION DRAWINGS FOR EACH MUNICIPALITY OR UTILITY LISTED BELOW SHALL BE CONSIDERED AS PART OF THIS SET THEREOF.			
ODOT		CITY / COUNTY	
BP-3.1 LA-1.1 DM-1.2 DM-4.4 GR-1.1 GR-2.1 GR-5.2 TC-41.20 TC-41.30	TC-52.10 MT-101.60		

LIST OF DRAWINGS	
1	COVER SHEET
2	TYPICAL SECTIONS
3	GENERAL NOTES & QUANTITIES
4	MAINTENANCE OF TRAFFIC
5	DEMOLITION PLAN
6	PLAN & PROFILE
7 - 21	CROSS SECTIONS
22	SOIL WALL ELEVATION
23 - 25	SEC NOTES & DETAILS

ENGINEER

CT CONSULTANTS, INC.
 6397 EMERALD PKWY, SUITE 200
 DUBLIN, OHIO 43016
 OFFICE: 614-885-1700
 CONTACT: DANIEL WHITED, P.E.
 EMAIL: DWHITED@CTCONSULTANTS.COM

OWNER

CITY OF SUNBURY
 9 E GRANVILLE STREET
 SUNBURY, OH 43074
 PHONE: 740-965-2684
 CONTACT: DARYL HENNESSY
 CITY ADMINISTRATOR
 EMAIL: DHENNESSY@SUNBURYOHIO.ORG

CITY OFFICIALS:

ADMINISTRATION:

JOE ST. JOHN..... MAYOR
 DARYL HENNESSY..... CITY ADMINISTRATOR
 DANA STEFFAN..... DIRECTOR OF FINANCE
 ROBERT HOWARD..... POLICE CHIEF

COUNCIL:

TIMOTHY GOSE..... PRESIDENT
 MURRAY NEFF..... COUNCIL MEMBER
 DAVID MARTIN..... COUNCIL MEMBER
 DAMIN CAPPEL..... COUNCIL MEMBER
 CINDI COOPER..... COUNCIL MEMBER
 JOHN GRUMNEY..... COUNCIL MEMBER

CONSTRUCTION PLAN APPROVAL:

CARLA ODEBRALSKI, P.E., CITY OF SUNBURY CITY ENGINEER _____ DATE _____

DARYL HENNESSY, CITY OF SUNBURY ADMINISTRATOR _____ DATE _____

DESIGN ENGINEER:

THIS IS TO CERTIFY THAT GOOD ENGINEERING PRACTICES HAVE BEEN UTILIZED IN THE DESIGN OF THIS PROJECT AND THAT ALL MINIMUM STANDARDS, INCLUDING THOSE STANDARDS GREATER THAN MINIMUM WHERE, IN OUR OPINION, THEY ARE NEEDED TO PROTECT THE SAFETY OF THE PUBLIC. ANY VARIANCES TO THE ABOVE STANDARDS ARE CONSISTENT WITH SOUND ENGINEERING PRACTICES AND ARE NOT DETRIMENTAL TO THE PUBLIC SAFETY AND CONVENIENCE.

[Signature]
 DAN WHITED, P.E. NO. E-58078

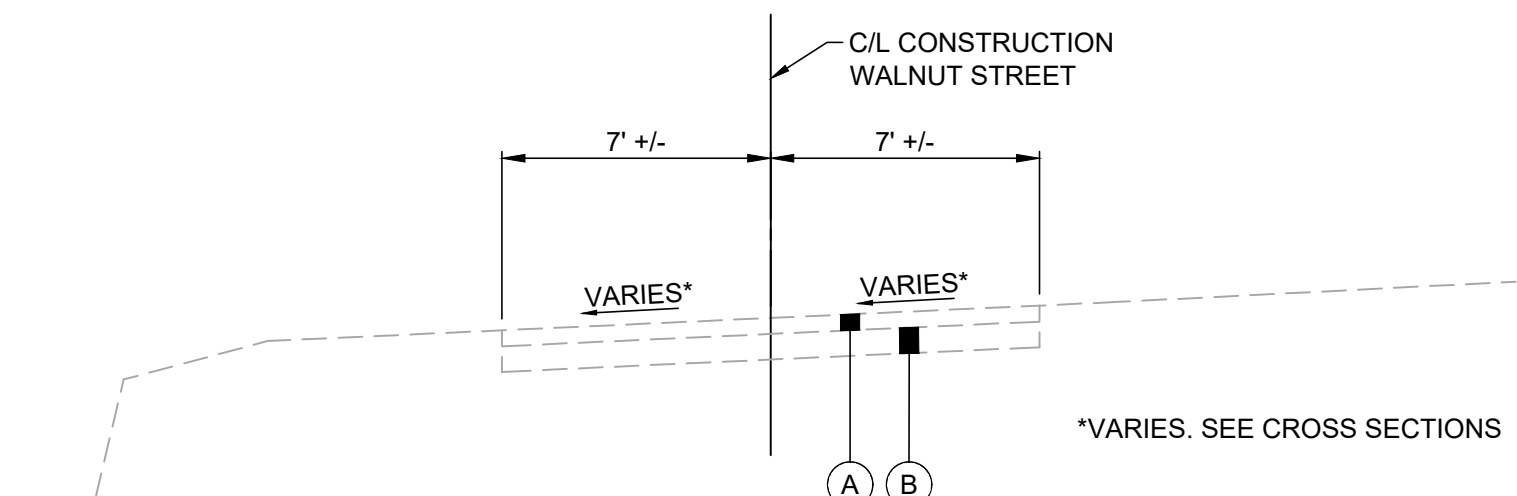
8/20/24
DATE

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

COVER SHEET

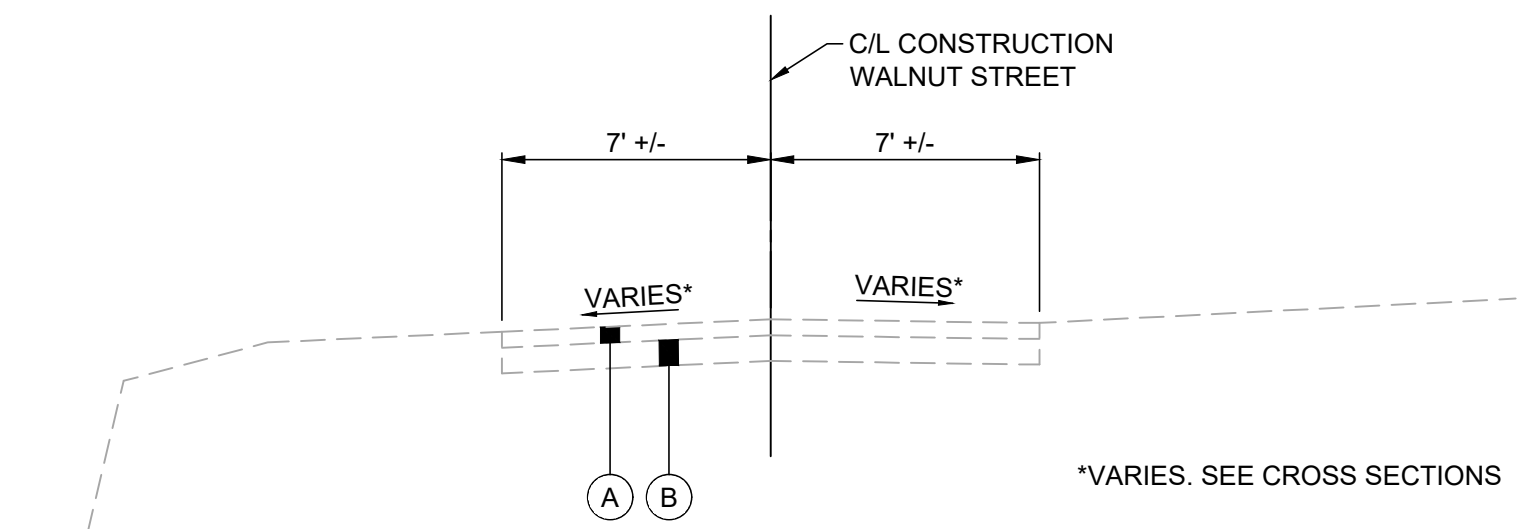
PROJECT NO.	
21000720	
DISCIPLINE	
CIVIL	
SHEET NAME	
CVR-SHT	
SHEET	OF
1	25

EXISTING CONDITIONS



EXISTING SECTION - WALNUT STREET

SCALE: 1" = 5'
SECTION APPLIES:
STA. 10+00 TO STA. 12+10.52

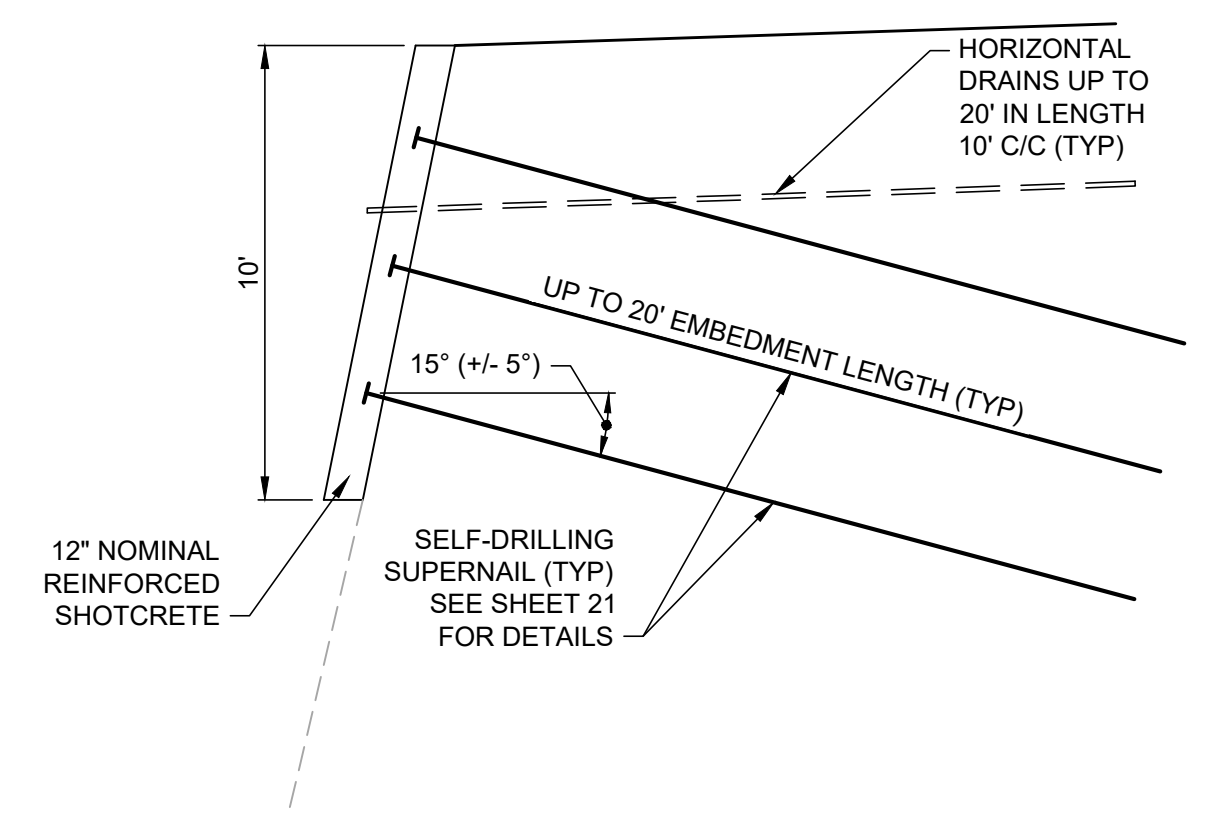


EXISTING SECTION - WALNUT STREET

SCALE: 1" = 5'
SECTION APPLIES:
STA. 12+10.52 TO STA. 13+00

LEGEND:

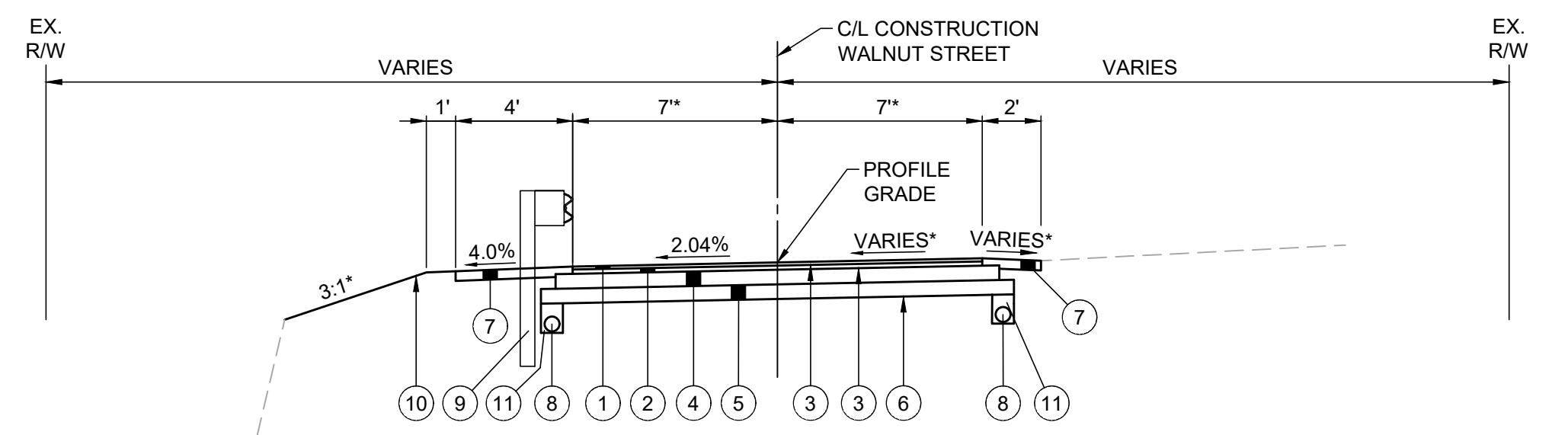
- (A) EX. ASPHALT CONCRETE (T=5" +/-)
- (B) EX. AGGREGATE BASE (T=8" +/-)



TYPICAL SECTION - SOIL NAIL WALL

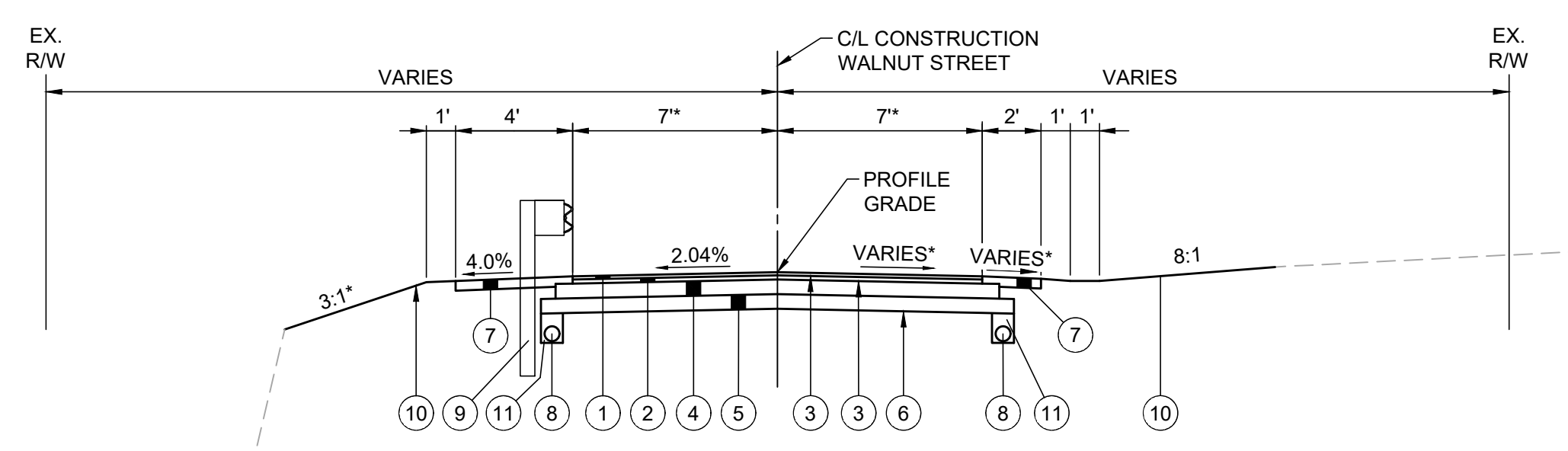
SCALE: 1" = 5'
SECTION APPLIES:
STA. 10+64 TO STA. 11+77

PROPOSED CONDITIONS



TYPICAL SECTION - WALNUT STREET

SCALE: 1" = 5'
SECTION APPLIES:
STA. 10+21.43 TO STA. 12+10.52 = 189.09 LF



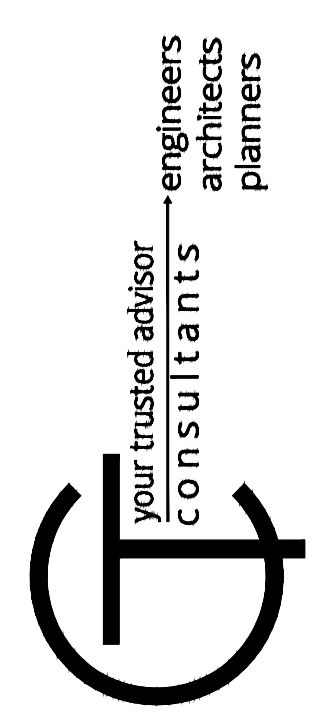
TYPICAL SECTION - WALNUT STREET

SCALE: 1" = 5'
SECTION APPLIES:
STA. 12+10.52 TO STA. 12+89.63 = 79.11 LF

LEGEND:

- (1) ITEM 441 1.25" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG 64-22
- (2) ITEM 441 1.75" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- (3) ITEM 407 TRACKLESS TACK COAT
- (4) ITEM 301 6" ASPHALT CONCRETE BASE, PG 64-22, (448)
- (5) ITEM 304 6" AGGREGATE BASE
- (6) ITEM 204 SUBGRADE COMPACTION
- (7) ITEM 411 STABILIZED CRUSHED AGGREGATE
- (8) ITEM 605 6" BASE PIPE UNDERDRAINS, 707.31
- (9) ITEM 606 GUARDRAIL, TYPE 5
- (10) ITEM 659 SEEDING & MULCHING
- (11) NO. 8 OR NO. 57 AGGREGATE

BID SET



ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

TYPICAL SECTIONS

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	TYP-SECT
SHEET	2
OF	25

ROUNDING:

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

UTILITIES:

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

POWER:

AMERICAN ELECTRIC POWER
700 MORRISON ROAD
GAHANNA, OHIO 43230
614-883-6802
ATTN: BRENT GATES
brmgates@aep.com

TELEPHONE:

BRIGHTSPEED
ATTN: ANTHONY WILLIAMS
Anthony.Williams1@brightspeed.com
Relocations@brightspeed.com

CENTURYLINK
2025 AKRON ROAD
WOOSTER, OHIO 44691
ATTN: SHAD SMITH
shad.e.smith@lumen.com

GAS:

COLUMBIA GAS OF OHIO
3550 JOHNNY APPELSEED COURT
COLUMBUS, OHIO 43231
740-334-1633
ATTN: CURTIS CAMERON
ccameron@nisource.com

WATER:

DELCO WATER COMPANY
6658 OLENTANGY RIVER ROAD
DELAWARE, OHIO 43015
740-548-7746
ATTN: DAVE WOLF
dwolf@delcowater.com

LIQUID GAS/OIL:

MARATHON PIPELINELLC
539 SOUTH MAIN STREET
FINDLAY, OHIO 45840
855-888-8056
740-258-4911
ATTN: MIKE

STORM / SANITARY:

CITY OF SUNBURY, OHIO
9 EAST GRANVILLE STREET
SUNBURY, OHIO 43074
ATTN: CARLA ODEBRALSKI
codebralski@sunburyvillage.com

DELAWARE COUNTY ENGINEER
1610 STATE ROUTE 521
DELAWARE, OHIO 43015
740-833-2400
ATTN: ROBERT RILEY
rriley@co.delaware.oh.us

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 PM AND 7:30 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 SUNBURY PROJECTS. SEE SHEETS 1 AND 6 OF THE PLANS FOR TABLES 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 18

HORIZONTAL POSITIONING:

REFERENCE FRAME: NAD83 (2011)
ELLIPSOID: GRS80
MAP PROJECTION: LAMBERT CONFORMAL CONIC
COORDINATE SYSTEM: OHIO STATE PLANE, NORTH ZONE
COMBINED SCALE FACTOR: 1,000,000.00
ORIGIN OF COORDINATE SYSTEM: (X, Y) - EASTING (0), NORTHING (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.

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:

REMOVE ALL TREES AND STUMPS SPECIFICALLY MARKED FOR REMOVAL WITHIN THE CONSTRUCTION LIMITS UNDER THE LUMP SUM BID FOR ITEM 201. CLEARING AND GRUBBING. THE FOLLOWING IS AN APPROXIMATE ESTIMATE OF THE NUMBER OF TREES AND STUMPS TO BE REMOVED.

SIZES	NO. TREES	NO. STUMPS	TOTAL
18"	1	0	1

ITEM 204 - PROOF ROLLING:

THE FOLLOWING QUANTITY IS PROVIDED IN THE ESTIMATE OF APPROXIMATE QUANTITIES TO ADDRESS LOCATIONS REQUIRING PROOF ROLLING. SEE PLAN SHEET NO. 2 FOR ADDITIONAL INFORMATION.

ITEM 204 - PROOF ROLLING 2 HOUR.

HOURS OF 7 PM AND 7 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.

SEEDING AND MULCHING, AS PER PLAN:

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

659 SEEDING AND MULCHING 200 SQ. YD.

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.

COMMERCIAL FERTILIZER AND WATER SHALL BE APPLIED TO THE SEEDING AREA, AS PER ITEM 659.

ALL OF THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 659, SEEDING AND MULCHING, AS PER PLAN.

CROSSINGS & CONNECTIONS TO EXISTING PIPES & UTILITIES:

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, NOTIFY THE ENGINEER BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE IS INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

ENDANGERED BAT HABITAT REMOVAL:

THIS PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT, AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT (ESA). FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS: A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK 3 INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND.

ITEM 202 GUARDRAIL REMOVED, AS PER PLAN

IN ADDITION TO THE GUARDRAIL BEING REMOVED, THE HOLES LEFT BEHIND IN THE PAVEMENT ON MCGILL STREET SHALL BE BACKFILLED IN THE FOLLOWING MANNER:

BELOW SUBGRADE: USE ITEM 304 AGGREGATE BASE
ABOVE SUBGRADE: USE WALNUT STREET PAVEMENT BUILDUP

FURTHERMORE, THE HOLES LEFT BEHIND IN THE GRASS AREA SHALL BE BACKFILLED PER ITEM 203 EMBANKMENT AND SEEDED AND MULCHED PER ITEM 659 SEEDING AND MULCHING, AS PER PLAN.

THE EXISTING SIGN ATTACHED TO THE GUARDRAIL SHALL BE REMOVED AND DISPOSED OF.

THE ABOVE ITEMS SHALL BE PAID FOR UNDER THE UNIT PRICE BID FOR ITEM 202 GUARDRAIL REMOVED, AS PER PLAN.

ITEM 202 - PIPE CLEANOUT, 24" AND UNDER, AS PER PLAN

THIS WORK SHALL CONSIST OF REMOVING SEDIMENT AND DEBRIS FROM THE EXISTING DRAINAGE CONDUITS AND CATCH BASINS SPECIFIED IN THE PLANS. ALL MATERIAL REMOVED SHALL BE DISPOSED OF AS PER 105.16 AND 105.17. ALL SEWERS AND CATCH BASINS SHALL BE CLEANED OUT TO THE SATISFACTION OF THE ENGINEER.

CLEANOUT OF THE PIPE AND CATCH BASIN SHALL BE PAID FOR AT THE UNIT PRICE BID FOR ITEM SPECIAL-PIPE CLEANOUT, 24" AND UNDER, AS PER PLAN. THIS PRICE SHALL INCLUDE THE COST FOR MATERIAL, EQUIPMENT, LABOR, AND ALL INCIDENTALS REQUIRED TO COMPLETE THE CLEANOUTS IN THE FOLLOWING LOCATIONS:

CATCH BASIN: STA. 10+66, 15' RT.
12 INCH CONDUIT FROM STA. 10+66, 15' RT TO STA. 10+66, 15' LT.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE ABOVE NOTED WORK:

ITEM SPECIAL: PIPE CLEANOUT, 24" AND UNDER, AS PER PLAN 30 FT

ITEM 202 - REMOVAL MISC.: TIMBER PIECES

THIS WORK INCLUDES THE REMOVAL OF TWO WOODEN RAILROAD TIMBERS. THE CONTRACTOR SHALL GIVE THE RAILROAD TIMBERS TO THE HOMEOWNER OR DISPOSE OF THE RAILROAD TIMBERS IF THE HOMEOWNER DECLINES ACCEPTANCE.

ITEM 659 - SEEDING AND MULCHING, AS PER PLAN

THIS WORK SHALL INCLUDE THE APPLICATIONS OF WATER AND COMMERCIAL FERTILIZER AS PER ITEM 659 BY THE CONTRACTOR. ALL LABOR AND MATERIAL SHALL BE INCLUDED IN THE UNIT PRICE BIDE FOR ITEM 659 - SEEDING AND MULCHING, AS PER PLAN.

ITEM 690 - SLOPE STABILIZATION BY SOIL NAILING:

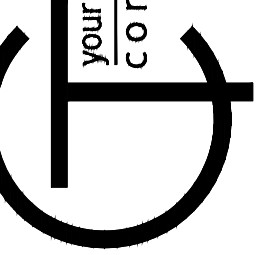
THIS WORK INCLUDES THE DESIGN AND CONSTRUCTION OF A FUNCTIONING SOIL NAIL WALL IN ACCORDANCE WITH THE LIMITS SHOWN IN THESE PLANS. THE LOCATION OF THE SOIL NAIL WALL SHOWN IN THE PLANS IS APPROXIMATE. FIELD CONDITIONS MAY VARY. THE SOIL NAIL WALL SHALL BE COMPOSED OF SHOTCRETE, SELF DRILLED SOIL NAILS, GROUT, AND REINFORCING. THE SOIL NAIL WALL SHALL INCLUDE HORIZONTAL DRAINS AND GEOCOMPOSITE STRIP DRAINS. CONSTRUCTION PLANS SHALL BE GENERATED BY THE CONTACTOR AND SIGNED AND SEALED BY A PROFESSIONAL ENGINEER.

THE ABOVE ITEMS AND ANY OTHER REQUIREMENTS, ITEMS OR MATERIALS NEEDED TO DESIGN AND CONSTRUCT THE SOIL NAIL WALL, INCLUDING EXCAVATION AND SURFACE PREPARATION OF THE ROCK BANK BEHIND THE SOIL NAIL WALL AND MOBILIZATION SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 690 - SLOPE STABILIZATION BY SOIL NAILING.

ESTIMATE OF APPROXIMATE QUANTITIES			
ITEM	QTY	UNIT	DESCRIPTION
103	1	LS	PRECONSTRUCTION VIDEO
103	1	LS	BONDS AND INSURANCE
201	1	LS	CLEARING AND GRUBBING
202	420	SY	PAVEMENT REMOVED
202	50	FT	GUARDRAIL REMOVED, AS PER PLAN
202	5	EA	GUARD POST REMOVED
202	30	FT	SPECIAL - PIPE CLEANOUT, 24" AND UNDER
202	85	FT	FENCE REMOVED (CHAIN LINK)
202	270	FT	FENCE REMOVED (BARBED WIRE)
202	1	LS	REMOVAL MISC.: TIMBER PIECES
204	420	SY	SUBGRADE COMPACTION
204	2	HOUR	PROOF ROLLING
255	130	FT	FULL DEPTH PAVEMENT SAWING
301	70	CY	ASPHALT CONCRETE BASE, PG64-22 (T=6")
304	70	CY	AGGREGATE BASE (T=6")
407	51	GAL	NON-TRACKING TACK COAT
410	30	CY	TRAFFIC COMPACTED SURFACE, TYPE A OR B
411	20	CY	STABILIZED CRUSHED AGGREGATE
441	21	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1 (448), PG 64-22 (T=1.75")
441	15	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448) (T=1.25")
605	540	FT	6" BASE PIPE UNDERDRAINS, 707.31
606	175	FT	GUARDRAIL, TYPE 5
606	2	EA	ANCHOR ASSEMBLY, TYPE B
611	14	FT	6" CONDUIT, TYPE B
611	12	FT	6" CONDUIT, TYPE C
611	1	EA	PRECAST REINFORCED CONCRETE OUTLET
614	1	LS	MAINTENANCE OF TRAFFIC
614	5	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC
616	20	MGAL	WATER
630	15	FT	GROUND MOUNTED SUPPORT, NO. 3 POST
630	1	EA	SIGN POST REFLECTOR
630	9	SF	SIGN, FLAT SHEET
623	1	LS	CONSTRUCTION LAYOUT STAKES AND SURVEYING
624	1	LS	MOBILIZATION (ROADWAY)
659	200	SY	SEEDING AND MULCHING, AS PER PLAN
690	1	LS	SLOPE STABILIZATION BY SOIL NAILING
832	4000	EA	EROSION CONTROL

BID SET

your trusted advisor
engineers
architects
planners
consultants



ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
BID SET	8/12/24	AS SHOWN	EJT	BKU	DWW

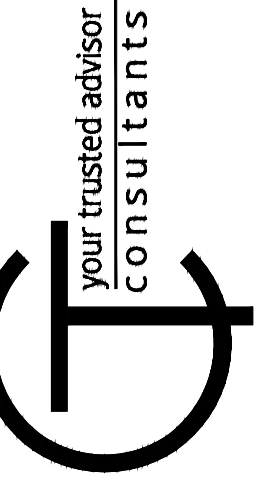
WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

GENERAL NOTES

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	GEN-NOTE
SHEET	OF
3	25

BID SET

your trusted advisor
engineers
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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.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC OF WALNUT STREET AND DRIVEWAYS WITHIN THE PROJECT AREA.

ITEM 410	TRAFFIC COMPACTED SURFACE, TYPE A OR B	30 CU. YD.
ITEM 614	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	5 CU. YD.
ITEM 616	WATER	10 M. GAL.

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:

TYPE III BARRICADE WITH ROAD CLOSED SIGN:	STA. 10+00 WALNUT STREET
TYPE III BARRICADE WITH ROAD CLOSED, LOCAL TRAFFIC ONLY SIGN:	STA. 13+00 WALNUT STREET
TYPE III BARRICADE WITH ROAD CLOSED SIGN:	MCGILL STREET, JUST WEST OF EXISTING GUARDRAIL

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, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

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:

ITEM 616, WATER	10 M. GAL.
-----------------	------------

HOUSEKEEPING:

- THE SITE WILL BE ORGANIZED AND CLEAR OF ANY TRASH OR DEBRIS. ALL TRASH WILL BE PLACED IN A PROPER CONTAINER AND REMOVED AT THE END OF EACH WORK DAY.

NOTE:

- WORK WITHIN THE STREAM BED OF BIG WALNUT CREEK IS STRICTLY PROHIBITED
- CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL AND LOCAL CODES AS WELL AS THE STANDARDS PUT IN PLACE BY THE GOVERNING FLOOD PLAIN ADMINISTRATOR, THE CITY OF SUNBURY.

CONSTRUCTION SEQUENCE/WORK SCHEDULE:

THE CONTRACTOR WILL PROVIDE AND INSTALL THE SPECIFIED SOIL NAILS AND SLOPE SURFACE TREATMENT PER THE CONSTRUCTION DOCUMENTS. THE ANTICIPATED CONSTRUCTION SEQUENCE IS AS FOLLOWS:

- DELINATE LIMITS OF CONSTRUCTION, NOTIFY LOCAL UTILITY PROVIDERS TO LOCATE AND MARK POTENTIAL UNDERGROUND FACILITIES. DAYLIGHTING OF UTILITIES IN POTENTIAL CONFLICT, AS NECESSARY. BY OTHERS.
- PREPARE THE WORK AREA FOR STABILIZATION CONSTRUCTION.
 - ESTABLISH TRAFFIC CONTROL.
 - PREPARE SITE ACCESS.
- EXCAVATE, REMOVE, AND DISPOSE OF SPOILS MATERIAL GENERATED DURING EXCAVATION.
- MARK THE LOCATIONS OF THE PROPOSED SOIL NAILS WITH SURVEY MARKING PAINT.
- INSTALLATION OF SOIL NAILS. NAILS WILL BE GROUTED DURING DRILLING UNLESS DIRECTED OTHERWISE BY THE PROJECT ENGINEER.
- INSTALL SURFACE TREATMENT PER THE CONSTRUCTION DOCUMENTS
- CONSTRUCT ROADWAY

NO	REVISION	DATE

ISSUED FOR:	BID SET
ISSUE DATE:	8/12/24
SCALE:	AS SHOWN
DESIGNED BY:	EJT
DRAWN BY:	BKU
CHECKED BY:	DWW

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

MAINTENANCE OF TRAFFIC
GENERAL NOTES

PROJECT NO.	
21000720	
DISCIPLINE	
CIVIL	
SHEET NAME	
GEN-NOTE	
SHEET	OF
4	25

BID SET

your trusted advisor
engineers
architects
planners
CONSULTANTS

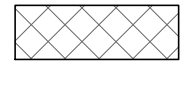

ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
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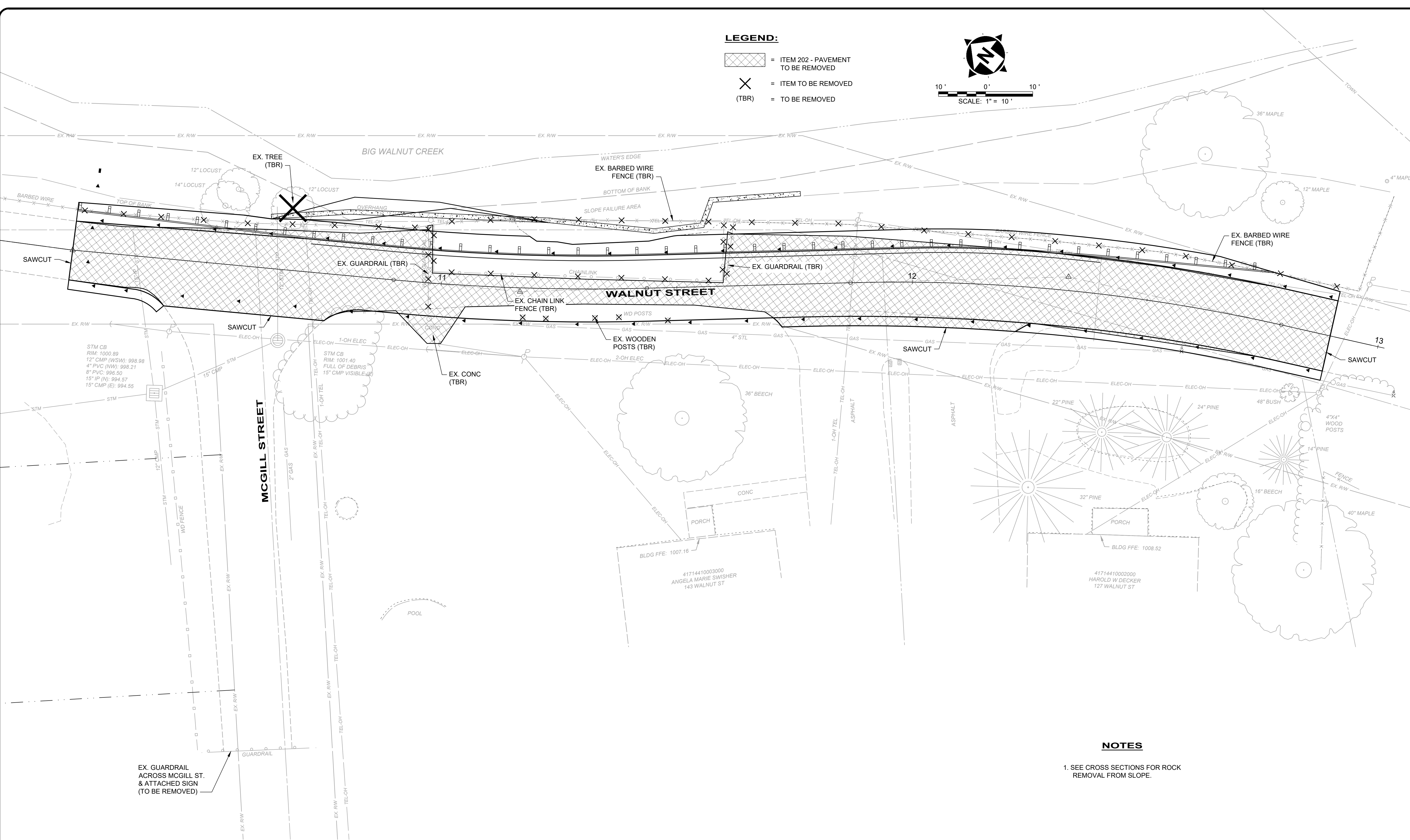
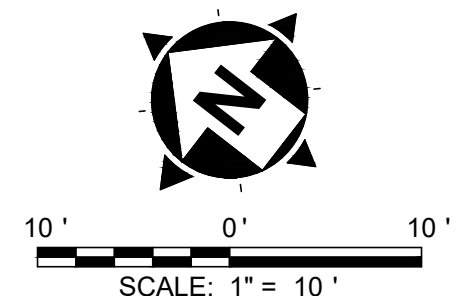
WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

DEMOLITION PLAN

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	DEMO-PLN
SHEET	OF
5	25

LEGEND:

-  = ITEM 202 - PAVEMENT TO BE REMOVED
-  = ITEM TO BE REMOVED
- (TBR) = TO BE REMOVED



NOTES

- SEE CROSS SECTIONS FOR ROCK REMOVAL FROM SLOPE.



SCALE: 1" = 10'

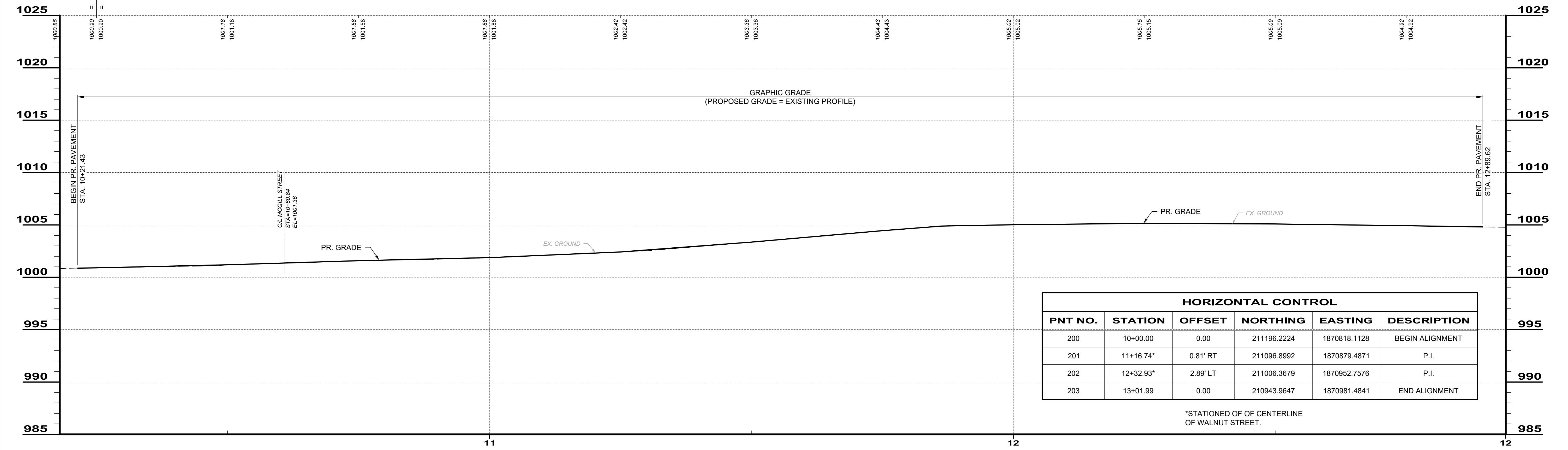
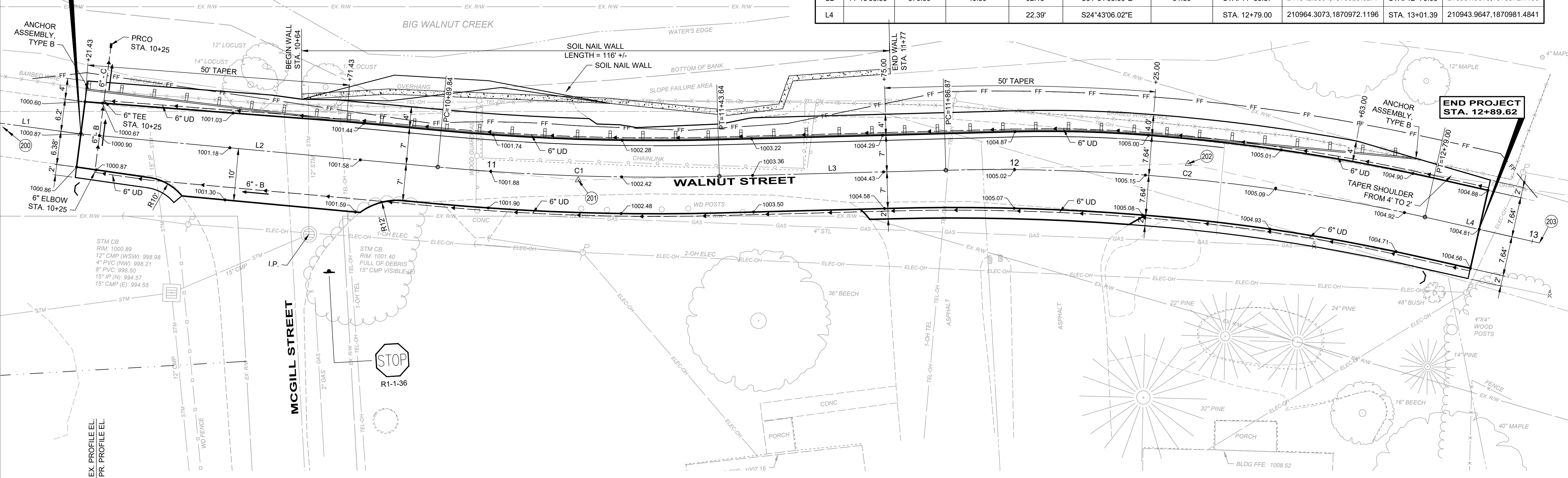
LEGEND:

- IP = INLET PROTECTION
- FF = FILTER FABRIC FENCE OR STRAW WATTLE
- () = FILTER FABRIC DITCH CHECK
- PRCO = PRECAST REINFORCED CONCRETE OUTLET

NOTES:

1. SPOIL MATERIAL GENERATED FROM CLEARING AND GRUBBING OPERATIONS MUST BE DISPOSED OF OFF SITE.
2. WORK IN THE STREAM BED OF BIG WALNUT CREEK IS STRICTLY PROHIBITED.

LINE & CURVE DATA TABLE										
NO.	DELTA	RADIUS	TANGENT	LENGTH	LINE/CHD BRG	CHD DIST	BEGIN STA	START N/E	END STA	END N/E
L1				21.43'	S29°50'18.20"E		STA. 10+00.00	211196.2224,1870818.1128	STA. 10+21.43	211177.6319,1870828.7762
L2				68.40'	S32°08'03.41"E		STA. 10+21.43	211177.6319,1870828.7762	STA. 10+89.84	211119.7064,1870865.1611
C1	6°51'01.17"	450.00'	26.93	53.80'	S35°33'34.00"E	53.77	STA. 10+89.84	211119.7064,1870865.1611	STA. 11+43.64	211075.9636,1870896.4311
L3				43.23'	S38°59'04.58"E		STA. 11+43.64	211075.9636,1870896.4311	STA. 11+86.87	211042.3601,1870923.6277
C2	14°15'58.55"	370.00'	46.30	92.13'	S31°51'05.30"E	91.89	STA. 11+86.87	211042.3601,1870923.6277	STA. 12+79.00	210964.3073,1870972.1196
L4				22.39'	S24°43'06.02"E		STA. 12+79.00	210964.3073,1870972.1196	STA. 13+01.39	210943.9647,1870981.4841

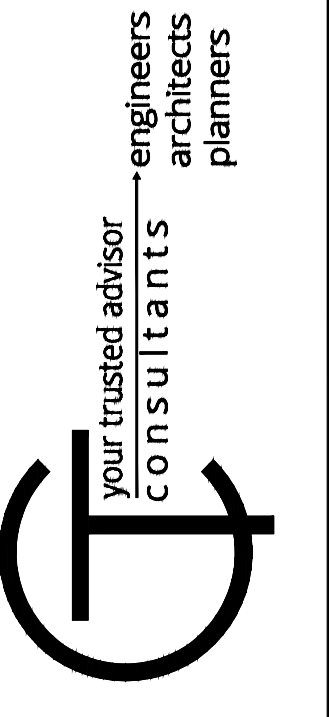


HORIZONTAL CONTROL					
PNT NO.	STATION	OFFSET	NORTHING	EASTING	DESCRIPTION
200	10+00.00	0.00	211196.2224	1870818.1128	BEGIN ALIGNMENT
201	11+16.74*	0.81' RT	211096.8992	1870879.4871	P.I.
202	12+32.93*	2.89' LT	211006.3679	1870952.7576	P.I.
203	13+01.99	0.00	210943.9647	1870981.4841	END ALIGNMENT

*STATIONED OF OF CENTERLINE OF WALNUT STREET.

PROFILE - WALNUT STREET

BID SET



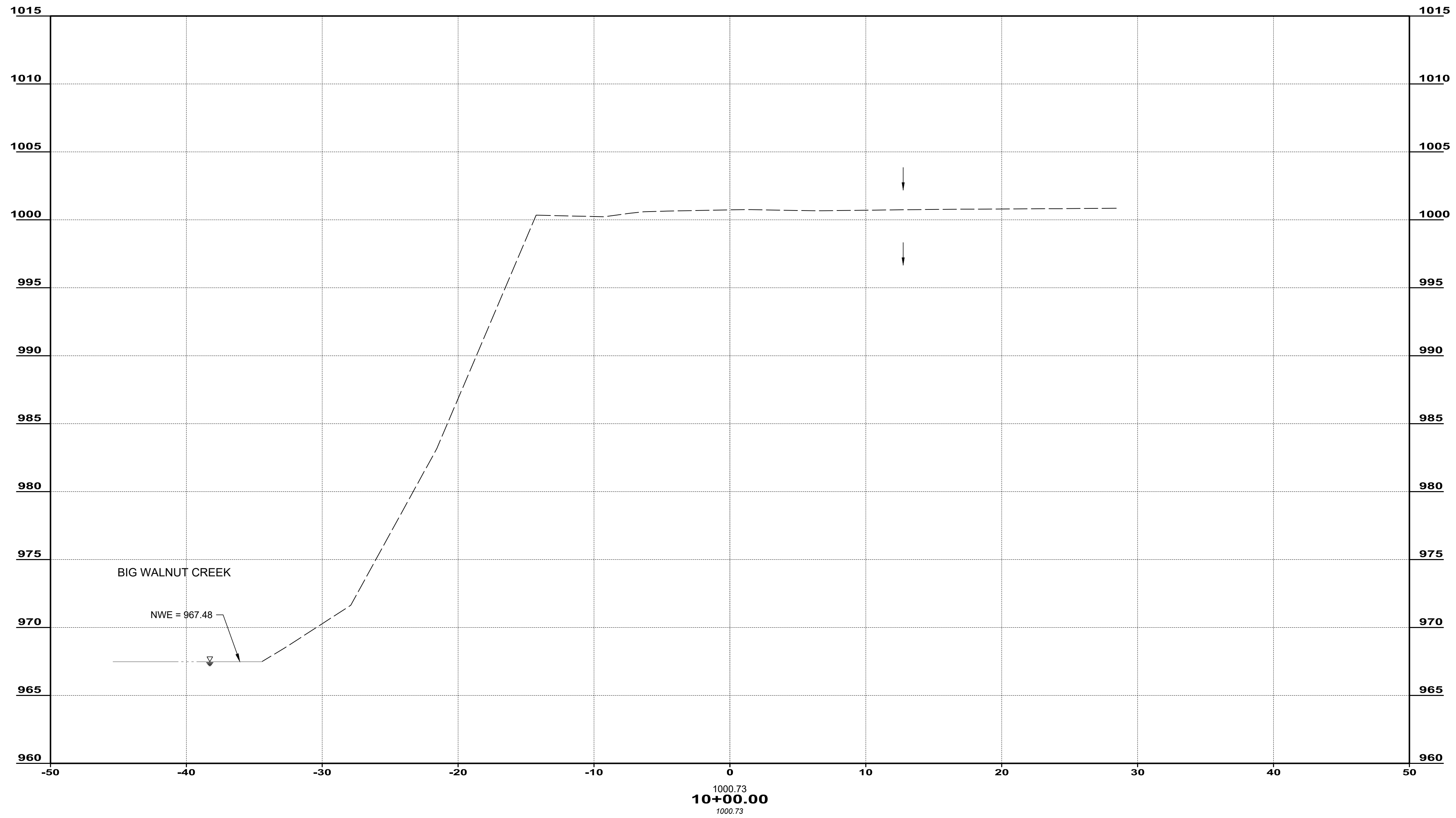
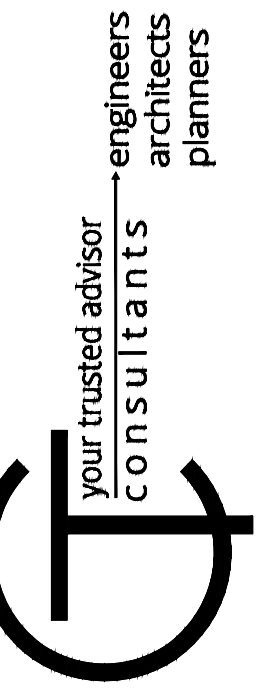
ISSUED FOR:	BID SET	NO.	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
 - CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

PLAN & PROFILE

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	PLN-PROF
SHEET	6
OF	25

BID SET



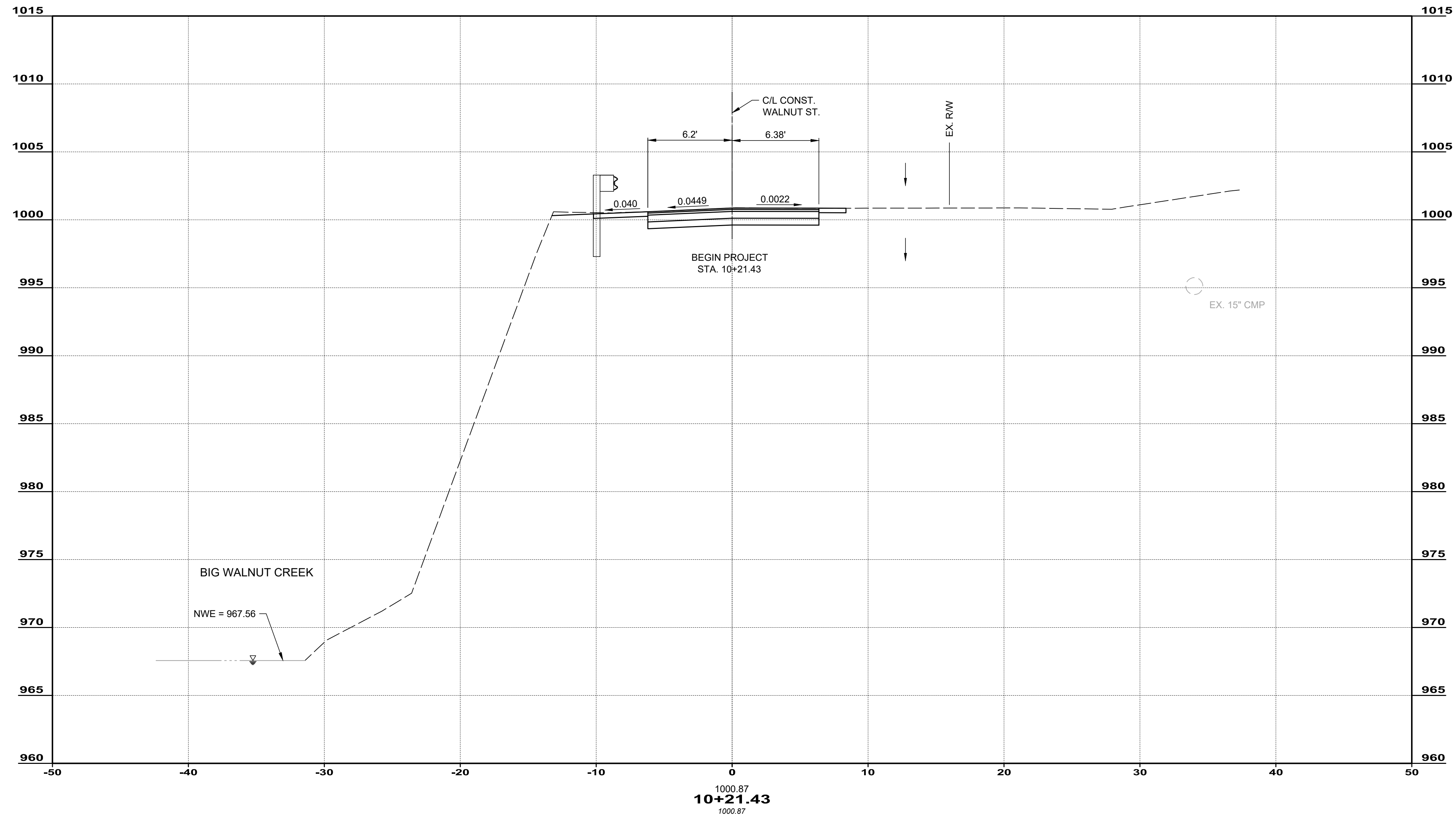
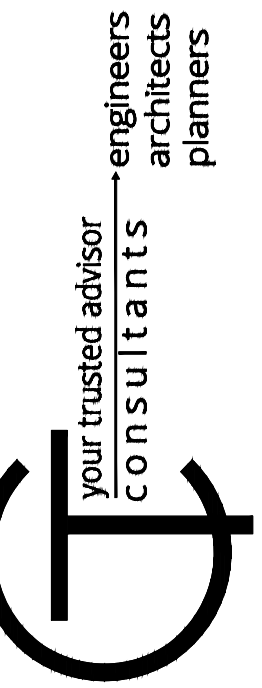
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ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 1

PROJECT NO.	
21000720	
DISCIPLINE	
CIVIL	
SHEET NAME	
CRS-SEC1	
SHEET	OF
7	25

BID SET

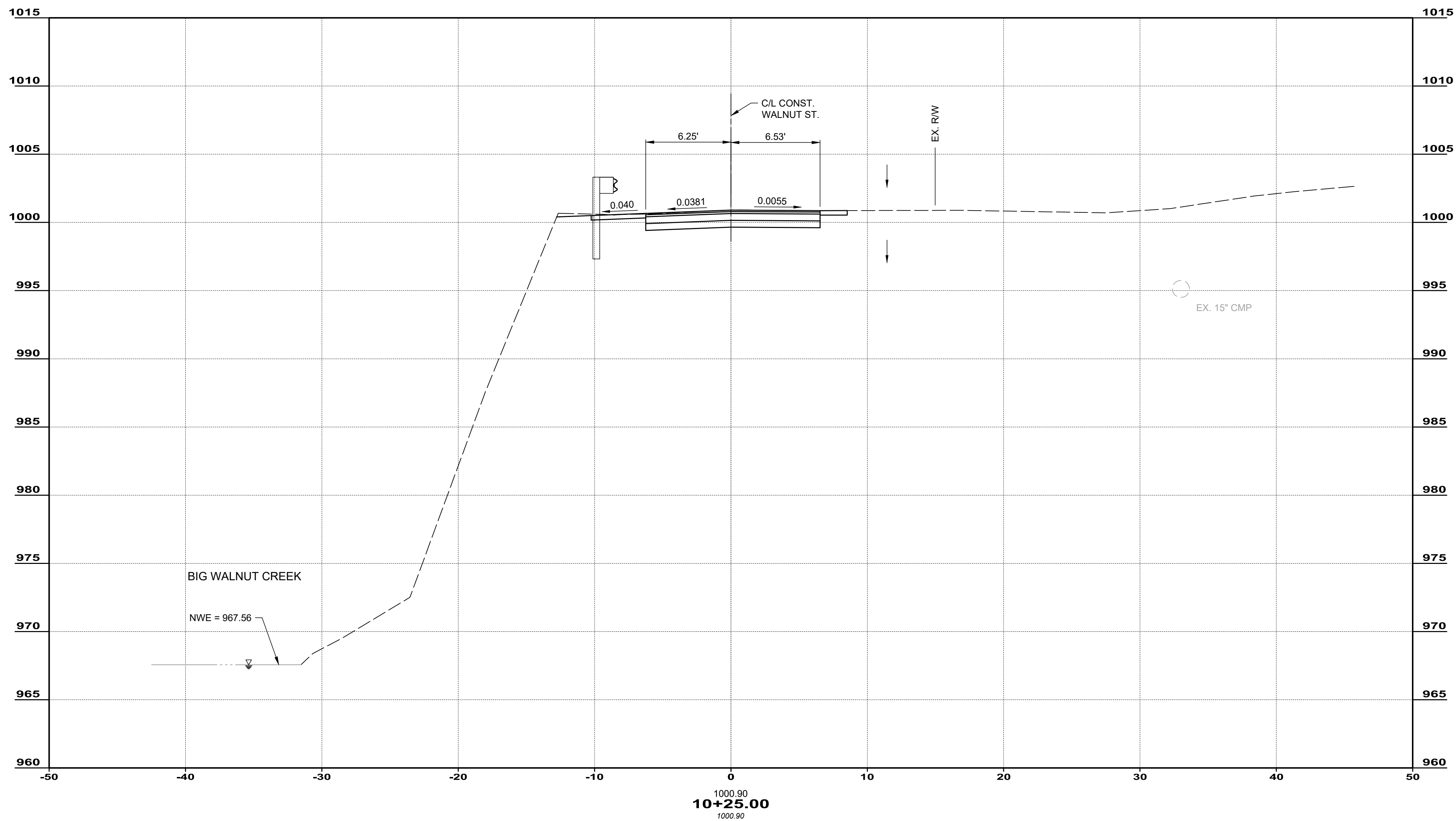
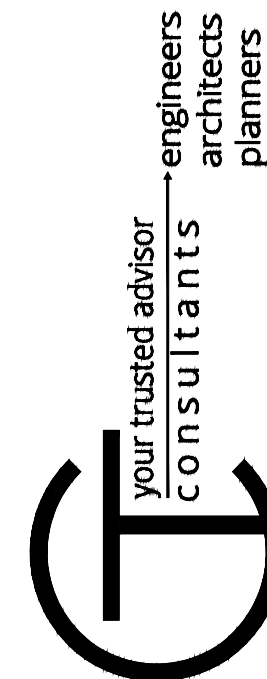


ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -
CROSS SECTIONS - 2

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC2
SHEET	8
OF	25

BID SET



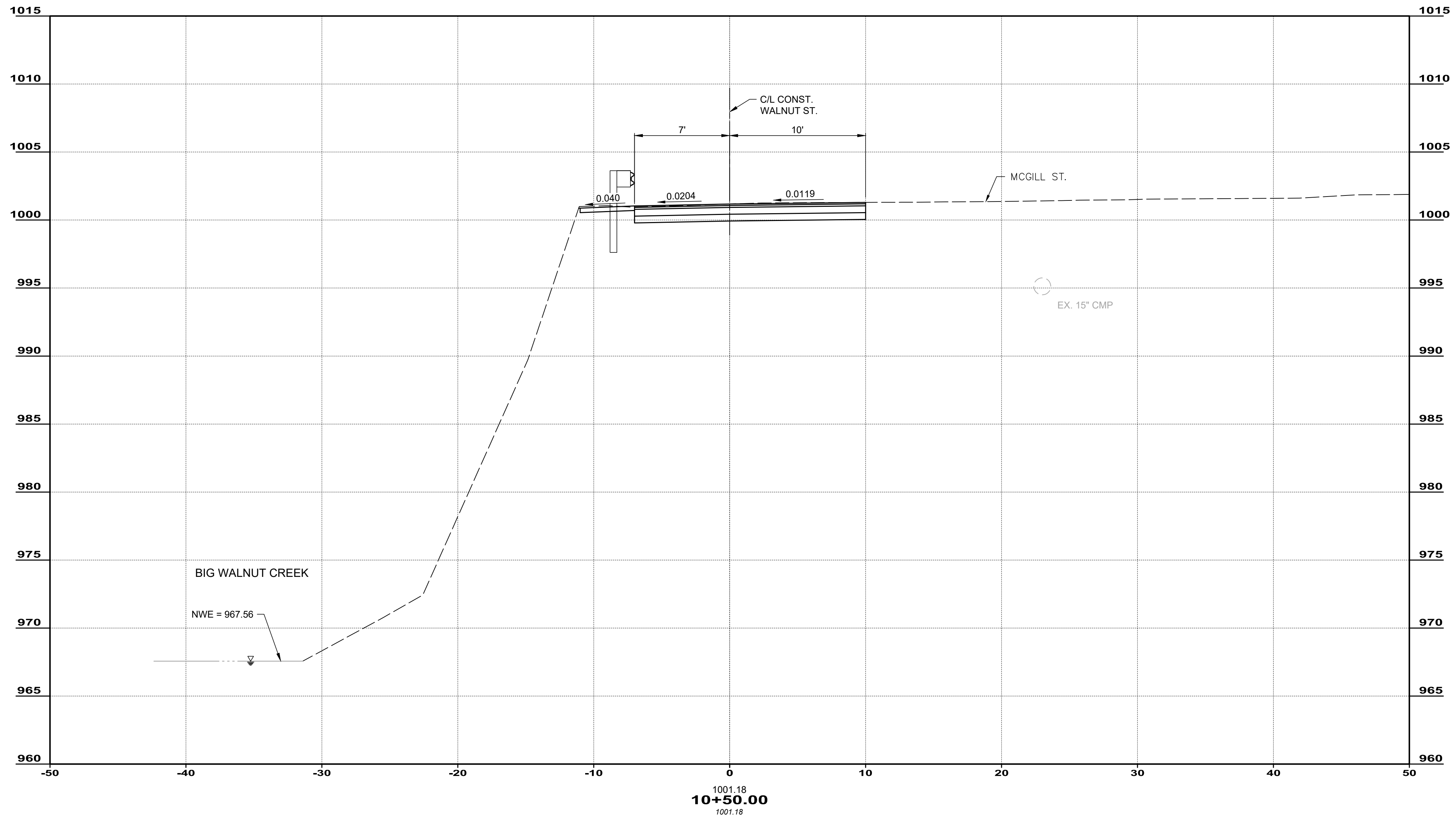
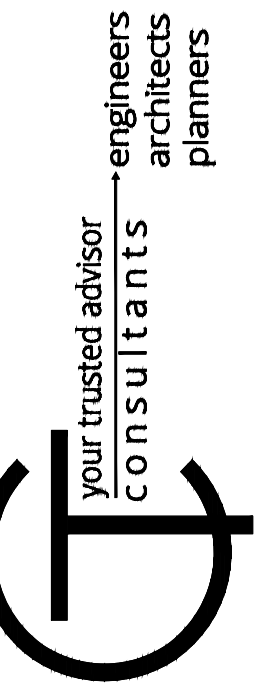
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ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 3

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC3
SHEET	9
OF	25

BID SET



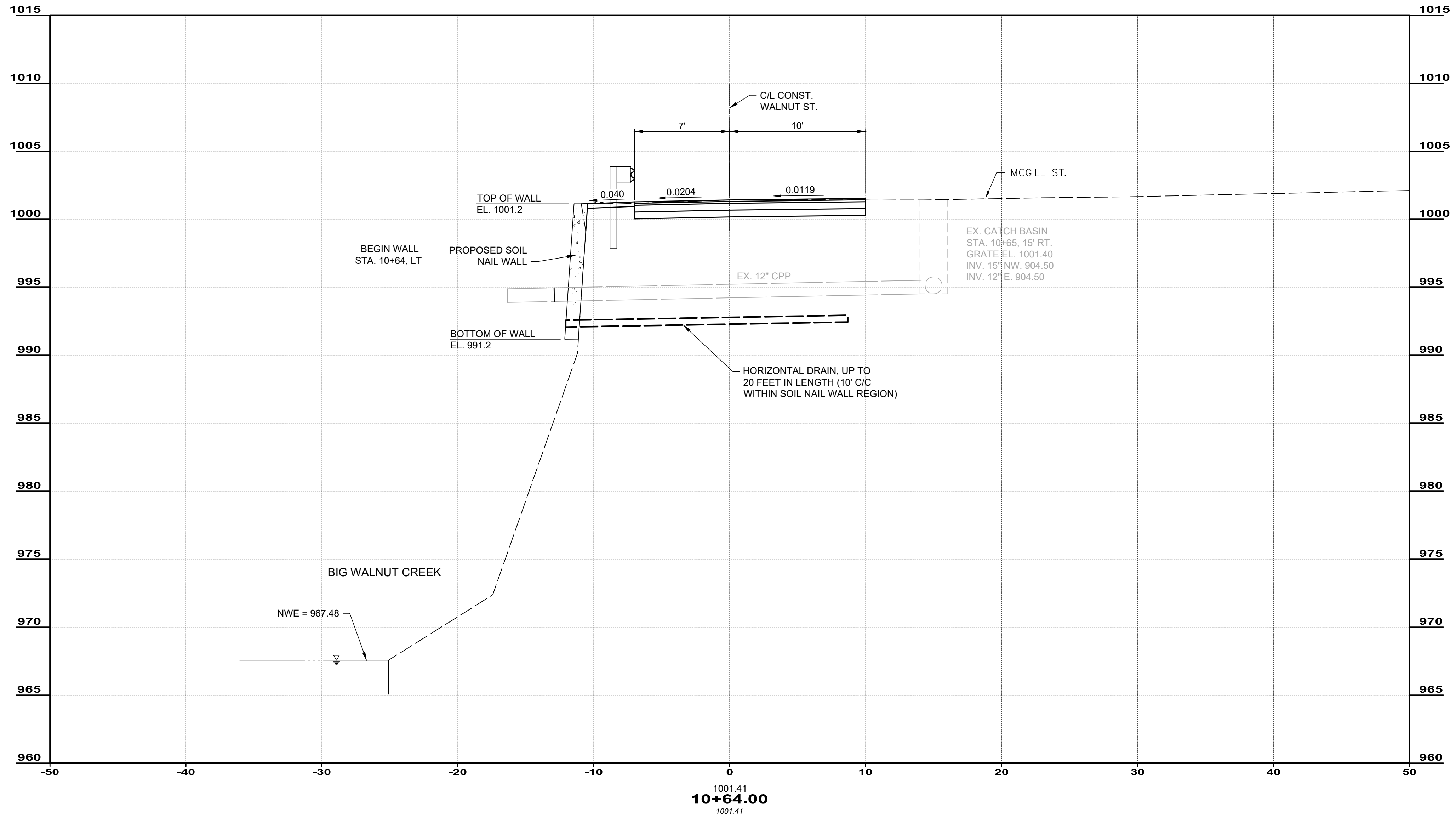
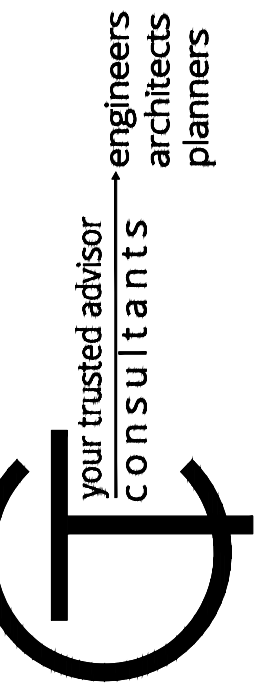
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ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 4

PROJECT NO.	
21000720	
DISCIPLINE	
CIVIL	
SHEET NAME	
CRS-SEC4	
SHEET	OF
10	25

BID SET



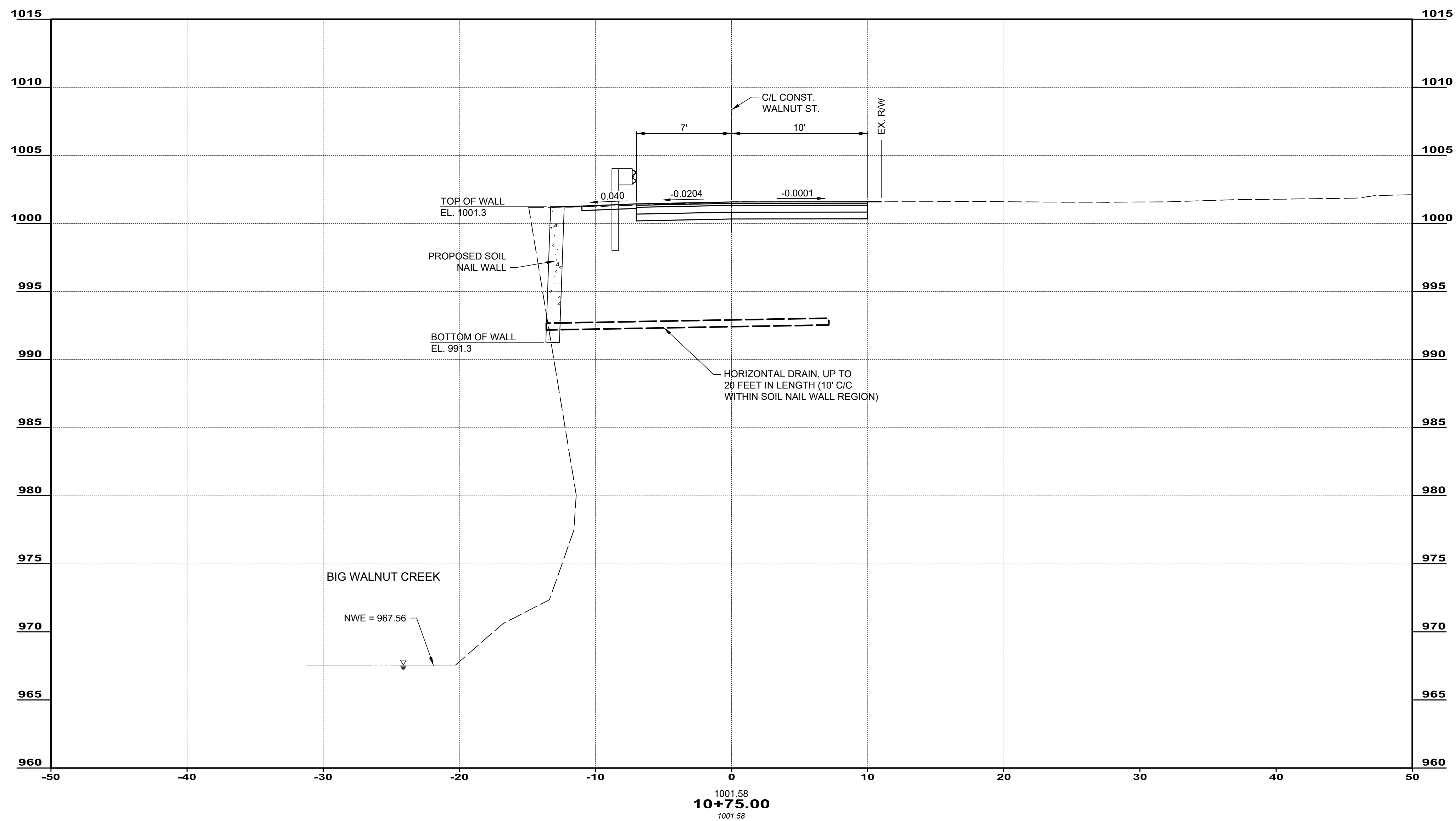
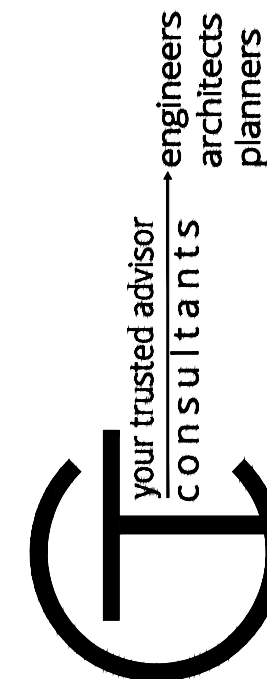
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ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 5

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC5
SHEET	10
OF	25

BID SET



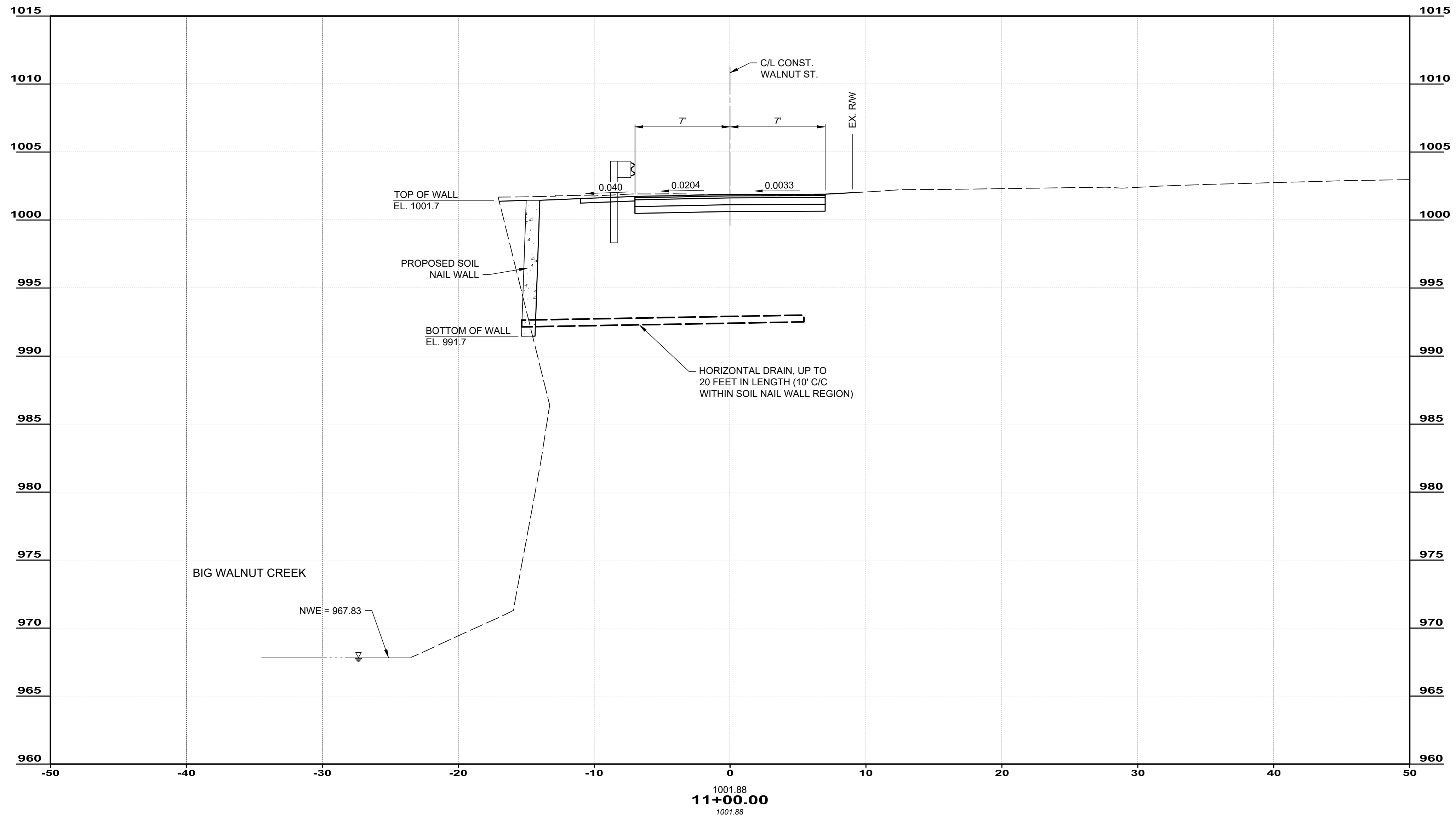
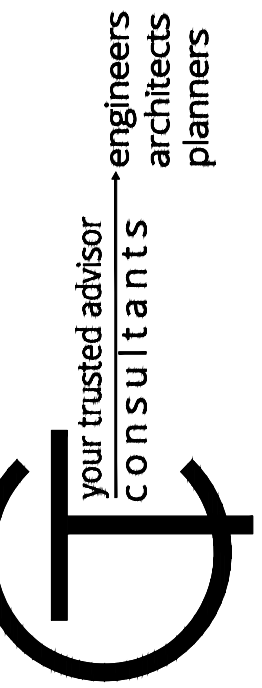
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ISSUE DATE:	8/12/24			
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DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 6

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC6
SHEET	12
OF	25

BID SET



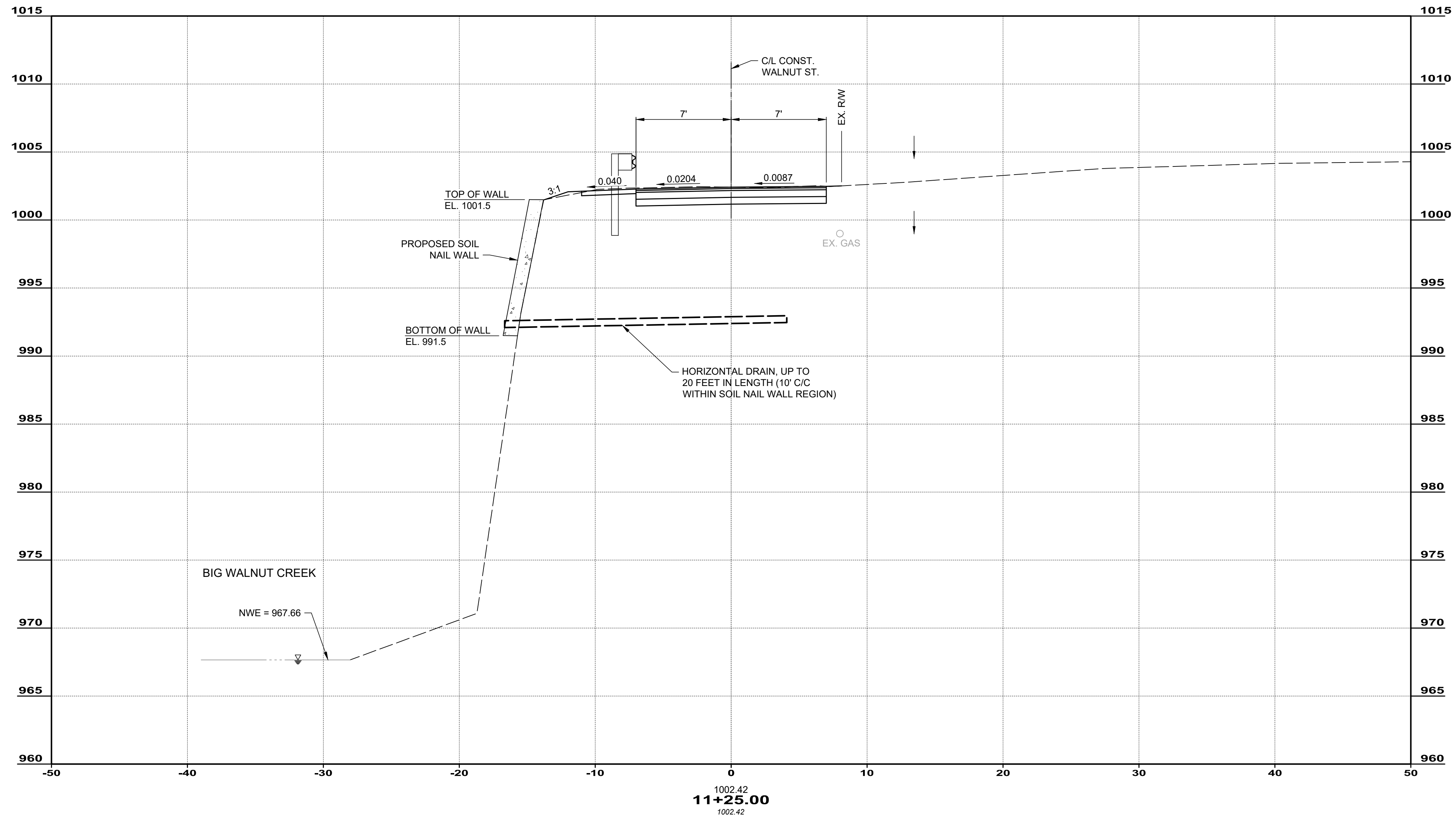
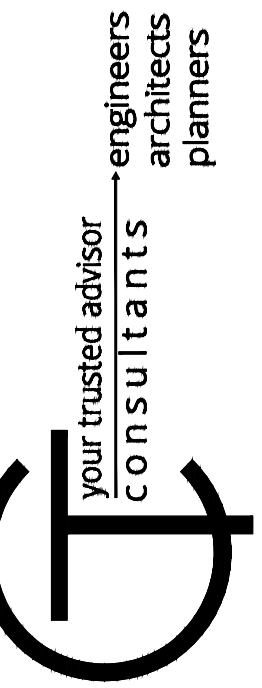
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ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 7

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC7
SHEET	13
OF	25

BID SET



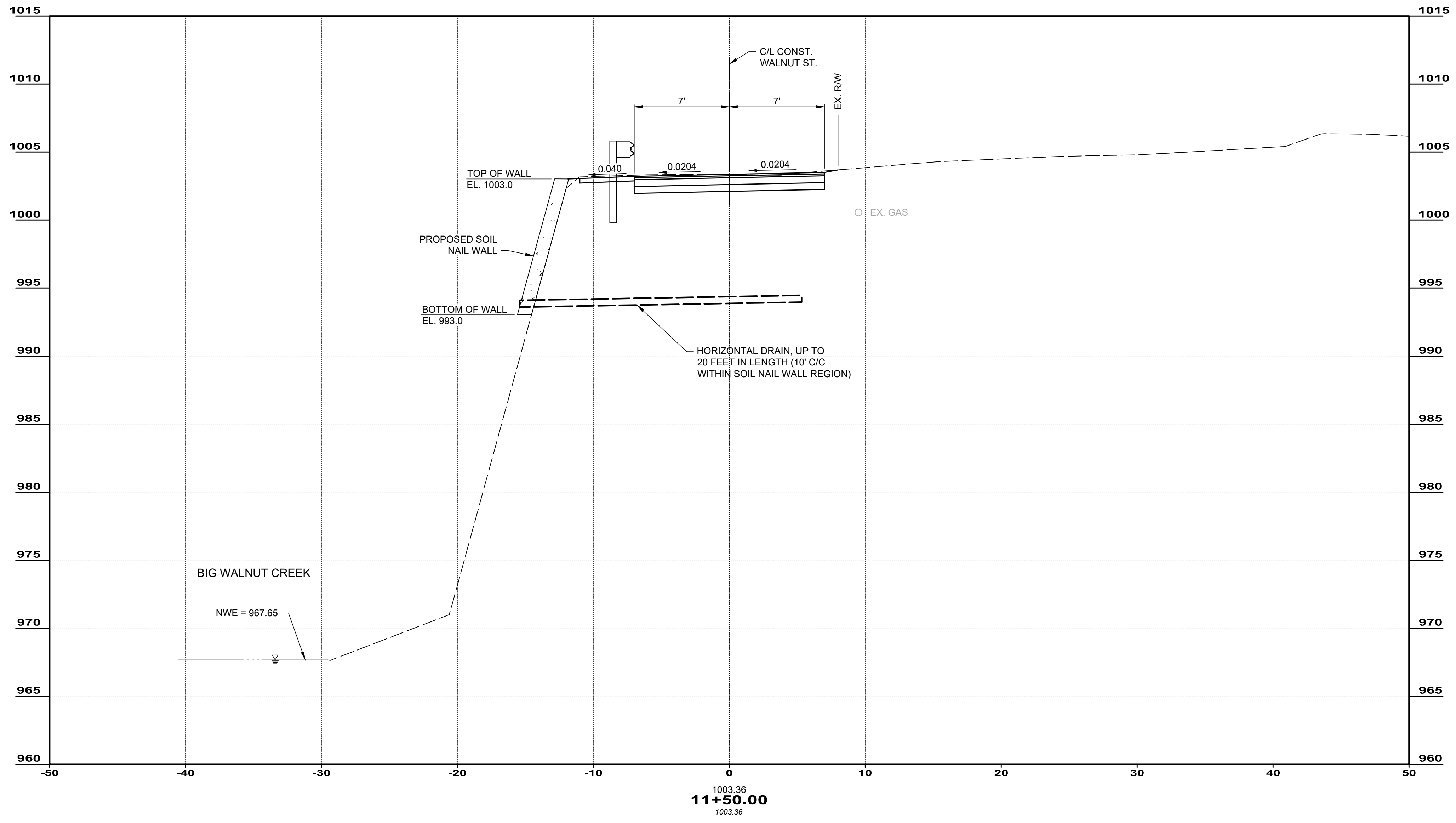
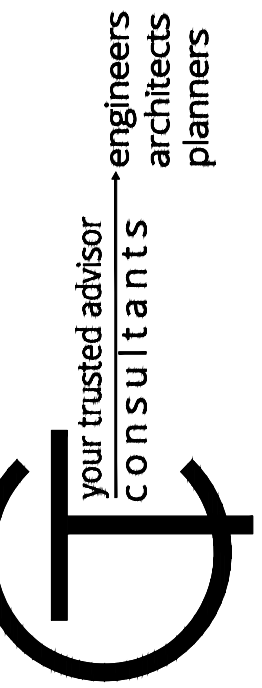
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ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 8

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC8
SHEET	OF
14	25

BID SET



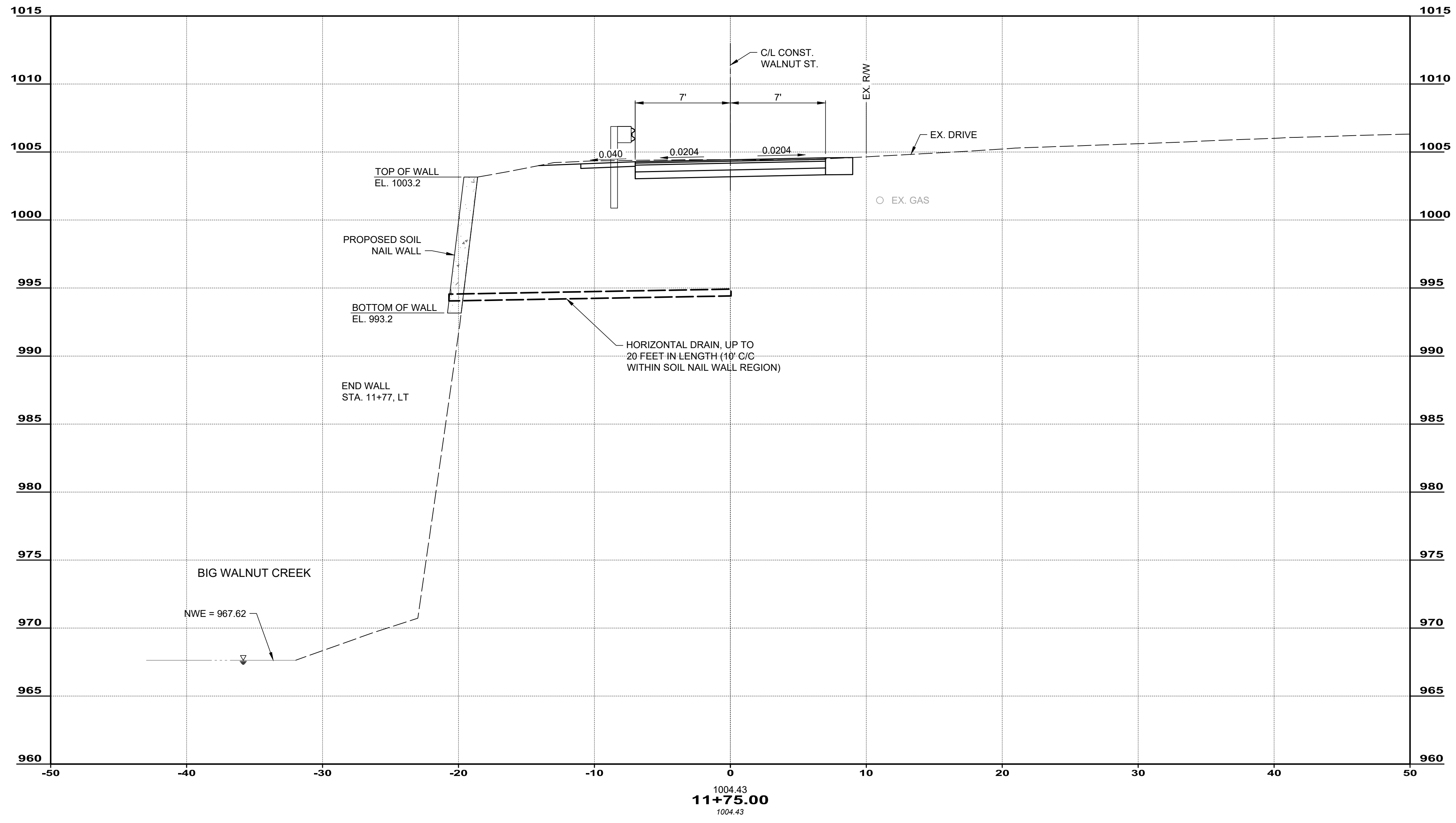
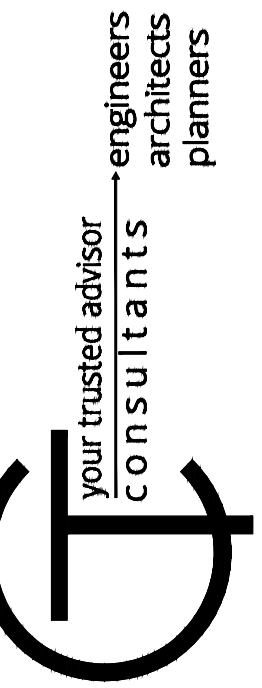
ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 9

PROJECT NO.	
21000720	
DISCIPLINE	
CIVIL	
SHEET NAME	
CRS-SEC9	
SHEET	OF
15	25

BID SET



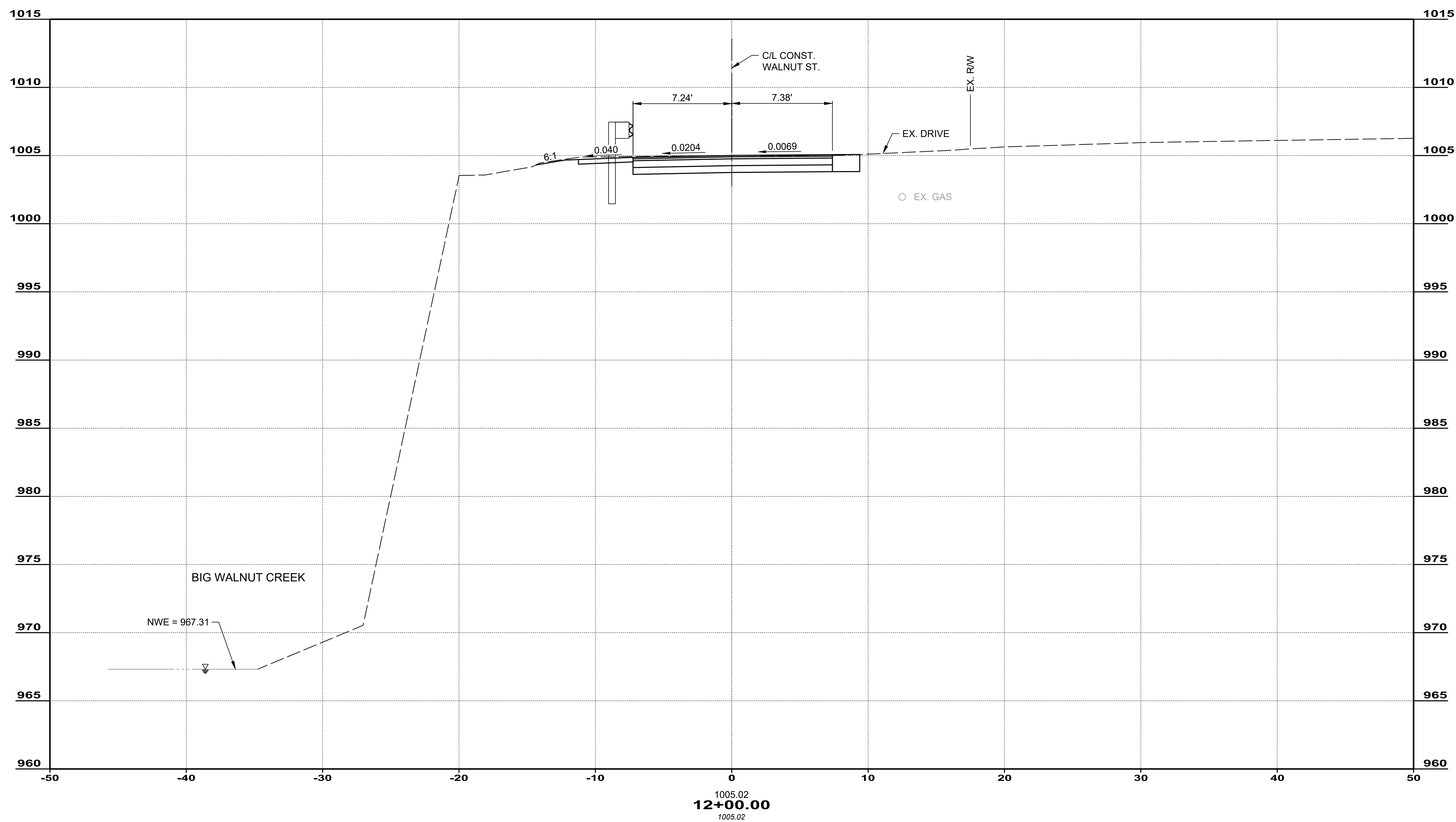
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ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 10

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC10
SHEET	16
OF	25

BID SET



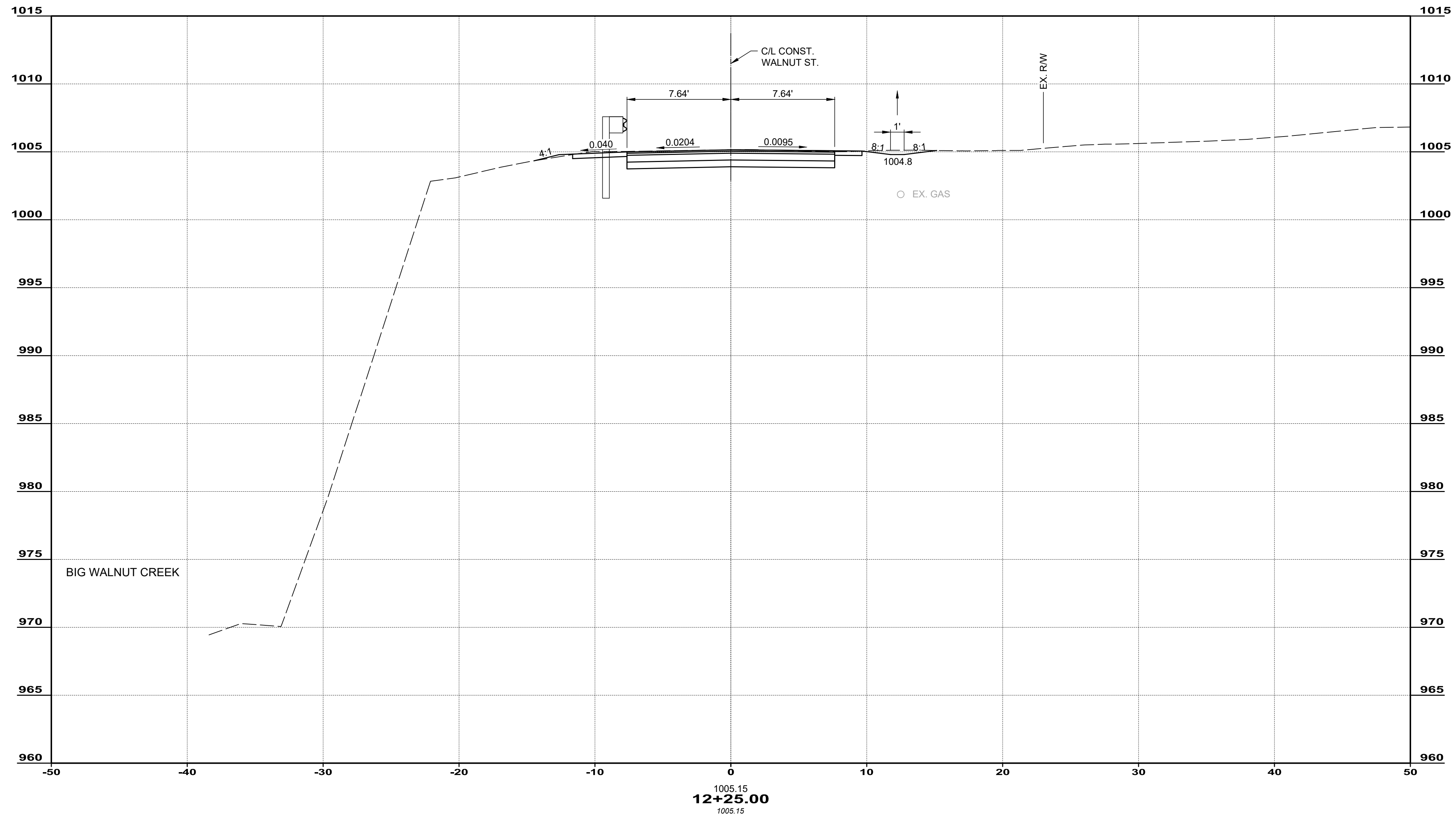
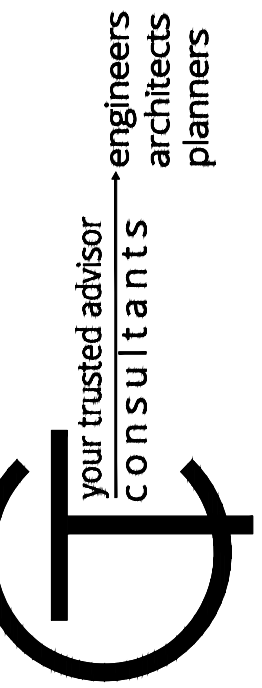
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ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BCU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 11

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC11
SHEET	OF
17	25

BID SET



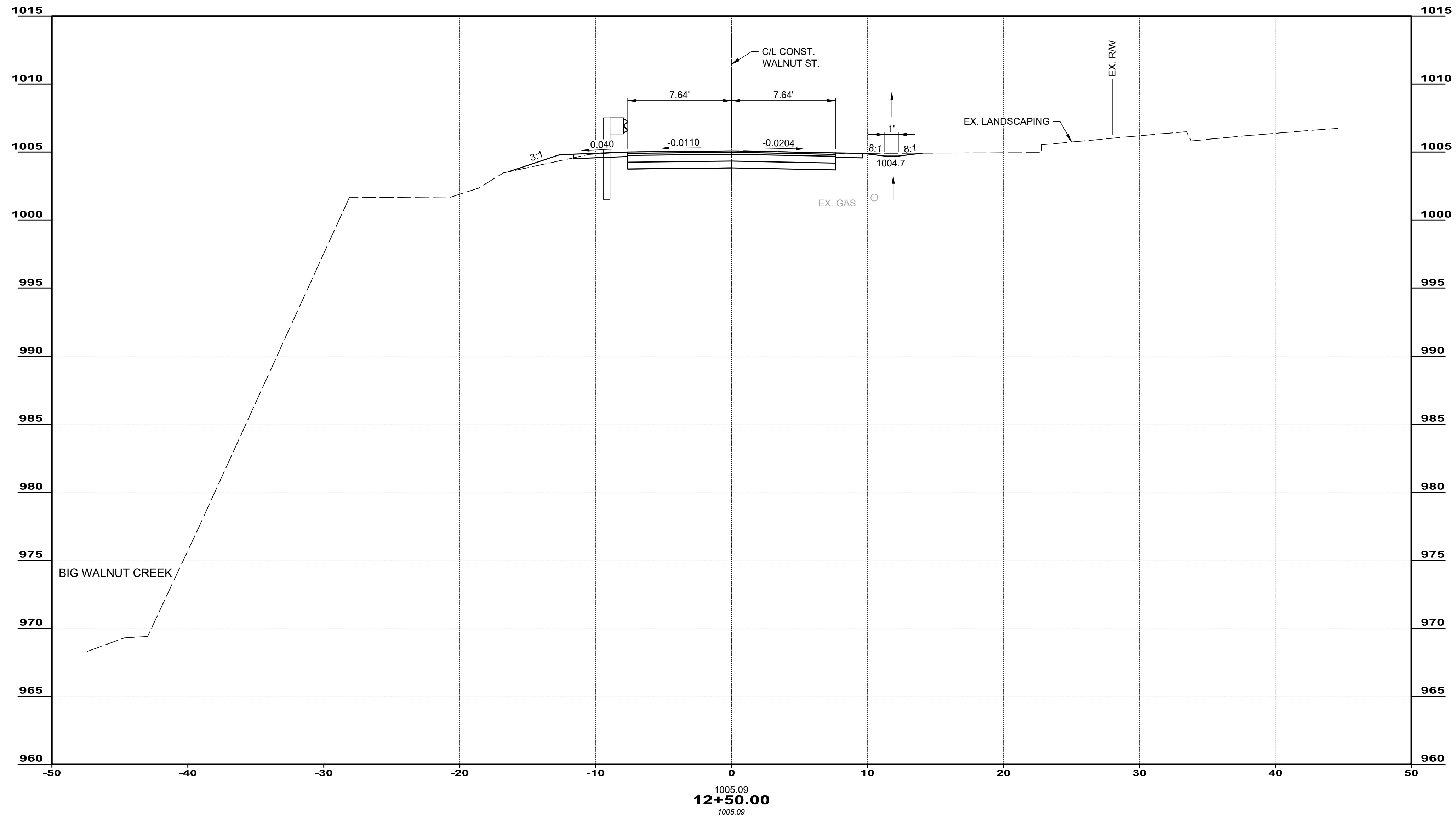
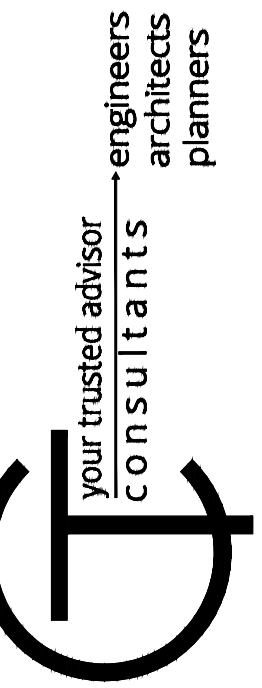
ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 12

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC12
SHEET	18
OF	25

BID SET



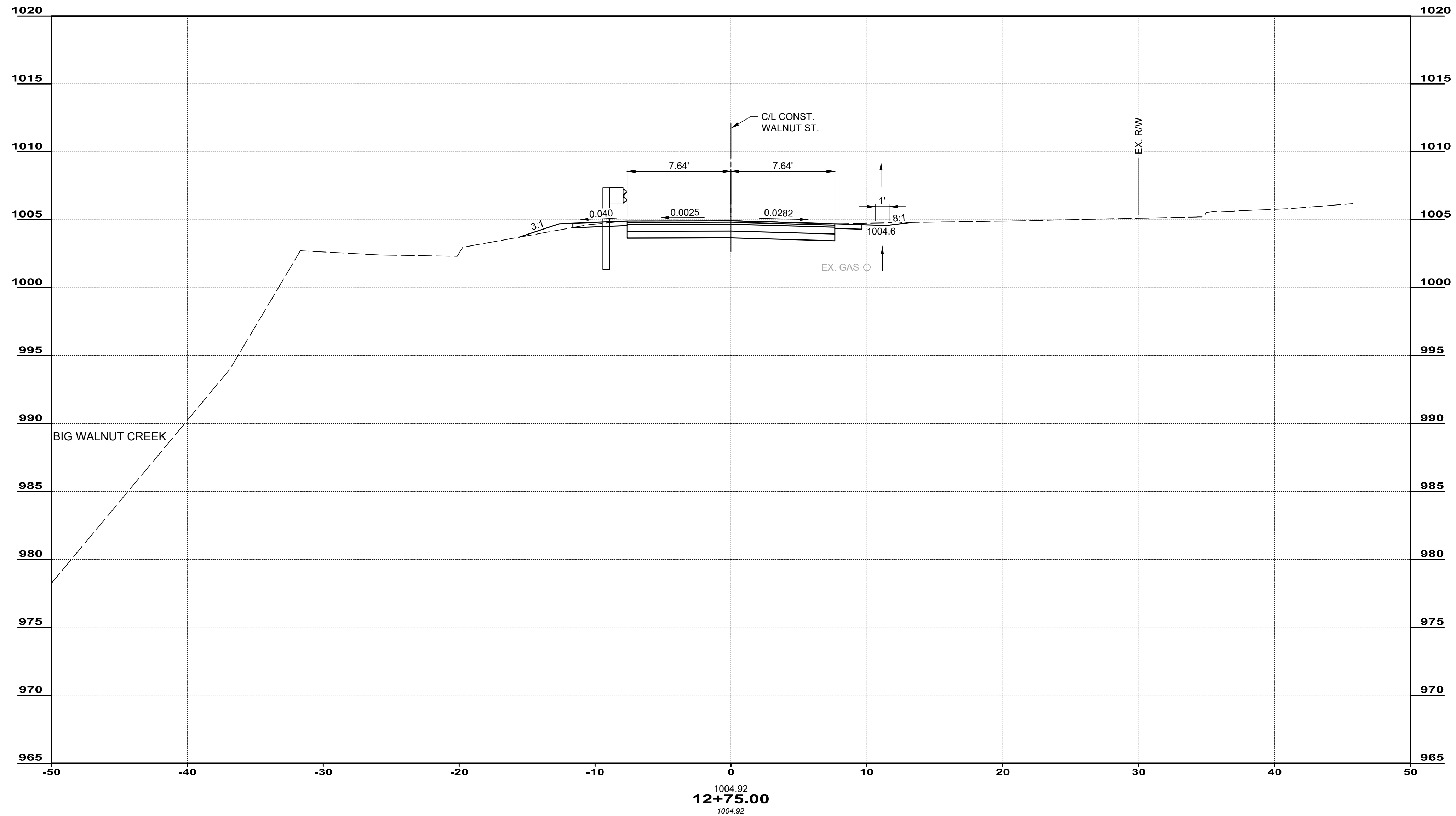
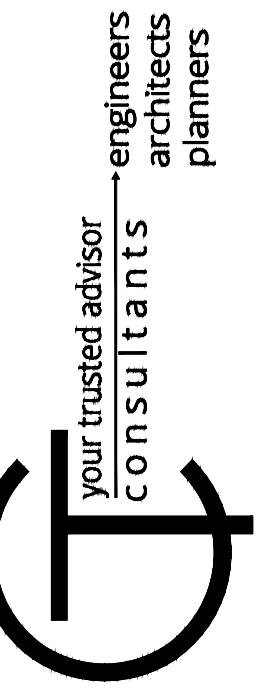
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ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 13

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC13
SHEET	19
OF	25

BID SET



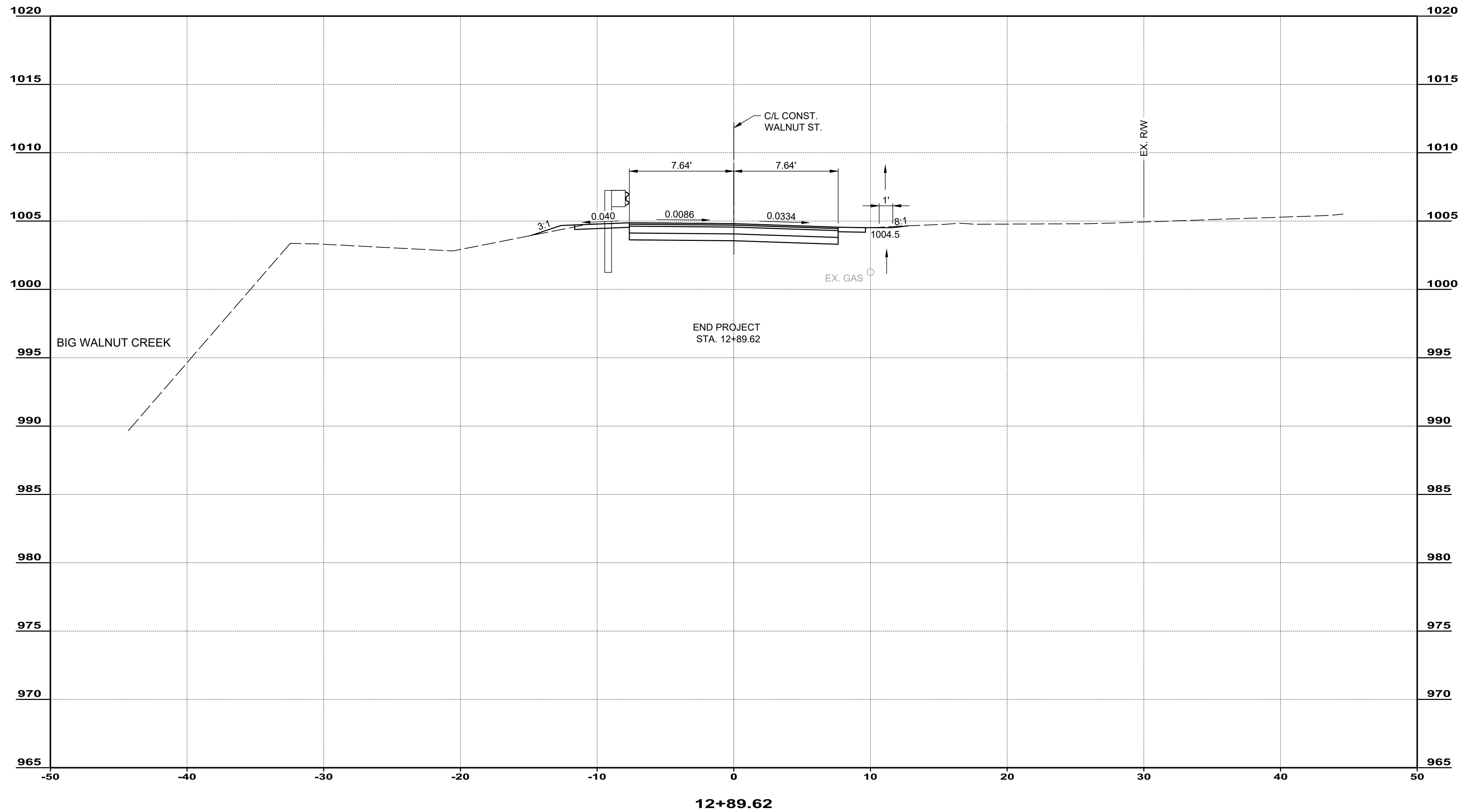
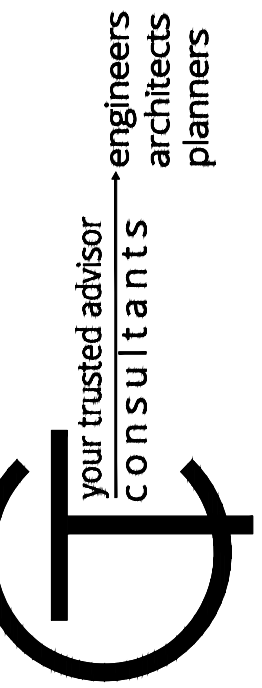
ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 14

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC14
SHEET	20
OF	25

BID SET



ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

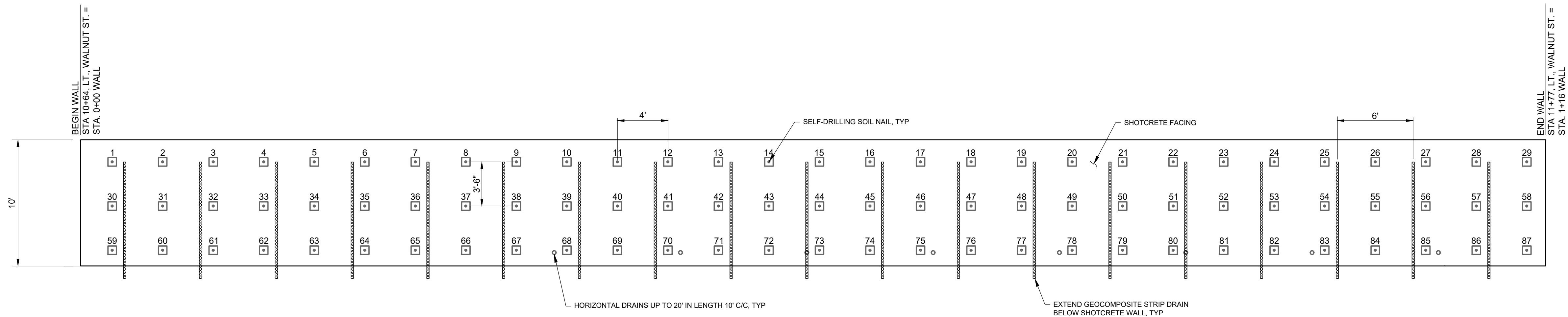
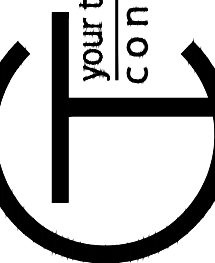
WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

CROSS SECTIONS - 15

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	CRS-SEC15
SHEET	21
OF	25

BID SET

your trusted advisor
**engineers
architects
planners**



SOILWALL ELEVATION DETAIL

SCALE: 1" = 5'

NOTES:

1. ALL DISTANCES ARE SLOPE DISTANCE UNLESS NOTED OTHERWISE.
2. NOTIFY ENGINEER IF BEDROCK IS NOT ENCOUNTERED WHILE DRILLING.
3. DIMENSIONS ARE FOR EXAMPLE ONLY. CONTRACTOR SHALL DESIGN THIS WALL IN ITS ENTIRETY.

LEGEND:

- ☐ UP TO 20' SOIL NAIL

ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

SOILWALL ELEVATION DETAIL

PROJECT NO.	
21000720	
DISCIPLINE	
CIVIL	
SHEET NAME	
SC-ELEV	
SHEET	OF
22	25

SITE DATA:

PROJECT DESCRIPTION (PURPOSE AND TYPES OF SOIL DISTURBING ACTIVITIES):

THIS PROJECT INVOLVES THE RE-CONSTRUCTION OF APPROXIMATELY 270 FEET OF WALNUT STREET AND THE DESIGN AND CONSTRUCTION OF A SOIL NAIL WALL ALONG THE WEST BANK OF LITTLE WALNUT CREEK, APPROXIMATELY 116 FEET IN LENGTH.

SOIL DISTURBING ACTIVITIES WILL INCLUDE: CLEARING AND GRUBBING, INSTALLING PERIMETER AND OTHER EROSION AND SEDIMENT CONTROLS, CONSTRUCTION OF THE SOIL NAIL WALL, THE RE-CONSTRUCTION OF WALNUT STREET, AND SITE RESTORATION.

TOTAL DISTURBED AREA: 0.16 AC.

EXISTING DRAINAGE/RECEIVING WATER: LITTLE WALNUT CREEK (TRIBUTARY TO BIG WALNUT CREEK)

EROSION CONTROL DEVICES: CONSTRUCTION SEEDING, MULCHING, PERIMETER FILTER FABRIC FENCE AND STRAW WATTLES/FILTER SOCKS.

SCHEDULE: THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE CITY AND DESIGNER/ENGINEER. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE PLACED AND MAINTAINED IN ACCORDANCE WITH THIS SCHEDULE.

OWNER/SITE CONTACT: CITY OF SUNBURY
9 E GRANVILLE STREET
SUNBURY, OH 43074
PHONE: 740-965-2684
CONTACT: DARYL HENNESSY
CITY ADMINISTRATOR
EMAIL: DHENNESSY@SUNBURYOHIO.ORG

PLAN DESIGNER: CT CONSULTANTS, INC.
6397 EMERALD PKWY, SUITE 200
DUBLIN, OHIO 43016
OFFICE: 614-885-1700
CONTACT: DAN WHITED, P.E.
EMAIL: DWHITED@CTCONSULTANTS.COM

OHIO EPA GENERAL PERMIT NO. OH0000006 STORMWATER DISCHARGES FROM SMALL AND LARGE CONSTRUCTION ACTIVITIES.

PLAN HAS BEEN ASSIGNED NPDES PERMIT NUMBER(S):

SHALL BE UPDATED ONCE DOCUMENTATION IS AVAILABLE

SEQUENCE OF CONSTRUCTION:

- INSTALL PERIMETER FILTER FABRIC FENCE/STRAW WATTLE/FILTER SOCKS/DITCH CHECKS/INLET PROTECTION/CONSTRUCTION ENTRANCES WITHIN CONSTRUCTION/WORK LIMITS.
- CLEAR & GRUB SITE, REMOVE TREES AND STUMPS WITHIN CONSTRUCTION/WORK LIMITS. TEMPORARY SEED/STABILIZE AS AREAS ARE DENUDED OR AS NEEDED.
- CONSTRUCT ROADWAY PER THE MOT PLANS / PERMANENT STABILIZE WORK AREA AS NEEDED.
- FINAL GRADE/STABILIZE AREAS WITHIN CONSTRUCTION/WORK LIMITS.
- REMOVE PERIMETER FILTER FABRIC FENCE/STRAW WATTLE/FILTER SOCKS/DITCH CHECKS/INLET PROTECTION/CONSTRUCTION ENTRANCES. RESEED ANY AREA AS NEEDED TO ESTABLISH VEGETATION GROWTH.

SITE AREA:

ESTIMATE OF E.D.A. IMPERVIOUS AREA AND PERCENT IMPERVIOUSNESS CREATED BY CONSTRUCTION:

LITTLE WALNUT CREEK WATERSHED:

E.D.A. = 0.15 ACRES
EXISTING IMPERVIOUS AREA = 0.102 ACRES
PROPOSED IMPERVIOUS AREA = 0.093 ACRES
% INCREASE OF IMPERVIOUS AREA = -8.2%

EROSION CONTROL NOTES:

ALL CONSTRUCTION ACTIVITIES MUST COMPLY WITH ALL LOCAL EROSION AND SEDIMENT CONTROL REGULATIONS.

DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.

ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST MEET THE STANDARDS AND SPECIFICATIONS OF THE OHIO RAINWATER AND LAND DEVELOPMENT MANUAL. OTHER EROSION CONTROL ITEMS MAY BE NECESSARY DUE TO ENVIRONMENTAL CONDITIONS.

REGULAR INSPECTION AND MAINTENANCE WILL BE PROVIDED FOR ALL EROSION AND SEDIMENT CONTROL PRACTICES. PERMANENT RECORDS OF MAINTENANCE AND INSPECTIONS MUST BE KEPT THROUGHOUT THE CONSTRUCTION PERIOD. INSPECTIONS MUST BE MADE A MINIMUM OF ONCE EVERY 7 DAYS AND IMMEDIATELY AFTER STORM EVENTS GREATER THAN 0.5 INCHES OF RAIN IN A 24 HOUR PERIOD. PROVIDE NAME OF INSPECTOR, MAJOR OBSERVATIONS DATE OF INSPECTION, AND CORRECTIVE ACTIONS TAKEN.

SILT FENCE SHALL BE IMPLEMENTED WITHIN 7 DAYS OF THE START OF CONSTRUCTION AND SHALL CONTINUE TO FUNCTION UNTIL UPLAND AREAS ARE STABILIZED.

THE CONTRACTOR SHALL USE EROSION CONTROL MEASURES AS NECESSARY TO PREVENT SEDIMENT MOVEMENT INTO AREAS DESIGNATED AS WETLANDS OR STREAMS.

NO SOLID OR LIQUID WASTE SHALL BE DISCHARGES INTO STORMWATER RUNOFF.

EROSION AND SEDIMENT CONTROLS:

TEMPORARY STABILIZATION:

TOP SOIL STOCKPILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS WILL BE STABILIZED WITH TEMPORARY SEED OR MULCH NO LATER THAN 7 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED SHALL BE APPLIED AS PER THE TEMPORARY SEEDING SPECIFICATIONS. AREAS OF THE SITE WHICH ARE TO BE PAVED WILL BE TEMPORARILY STABILIZED BY APPLYING STONE SUB-BASE UNTIL PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION:

DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAY AFTER THE LAST CONSTRUCTION ACTIVITY. THE PERMANENT SEED MIX SHALL BE PER THE PERMANENT SEEDING SPECIFICATIONS.

TABLE 1: PERMANENT STABILIZATION	
AREA REQUIRING PERMANENT STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY AREAS THAT WILL LIE DORMANT FOR ONE YEAR OR MORE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE
ANY AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND AT FINAL GRADE	WITHIN TWO DAYS OF REACHING FINAL GRADE
OTHER AREAS AT FINAL GRADE	WITHIN SEVEN DAYS OF REACHING FINAL GRADE WITHIN THAT AREA

TABLE 2: TEMPORARY STABILIZATION	
AREA REQUIRING TEMPORARY STABILIZATION	TIME FRAME TO APPLY EROSION CONTROLS
ANY DISTURBED AREAS WITHIN 50 FEET OF A SURFACE WATER OF THE STATE AND NOT AT FINAL GRADE	WITHIN TWO DAYS OF THE MOST RECENT DISTURBANCE IF THE AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS
ANY DISTURBED AREAS THAT WILL BE DORMANT FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A SURFACE WATER OF THE STATE	WITHIN SEVEN DAYS OF THE MOST RECENT DISTURBANCE WITHIN THE AREA FOR RESIDENTIAL SUBDIVISIONS. DISTURBED AREAS MUST BE STABILIZED AT LEAST SEVEN DAYS PRIOR TO TRANSFER OF PERMIT COVERAGE FOR THE INDIVIDUAL LOT(S).
DISTURBED AREAS THAT WILL BE IDLE OVER WINTER	PRIOR TO THE ONSET OF WEATHER

WASTE MATERIALS:

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER RENTED FROM A LICENSED SOLID WASTE MANAGEMENT COMPANY. THE DUMPSTER WILL MEET ALL LOCAL, CITY, AND STATE SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY, AND TRASH WILL BE HAULED OFF SITE TO AN APPROVED DISPOSAL SITE. NO CONSTRUCTION WASTE MATERIALS WILL BE BURNED ON SITE. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE OFFICE TRAILER. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE:

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE:

ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR, AS REQUIRED BY LOCAL REGULATION.

OFFSITE VEHICLE TRACKING:

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ALL PAVED STREETS ADJACENT TO THE SITE WILL BE SWEEPED DAILY TO REMOVE ANY EXCESS MUD, DIRT, OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPULIN.

EROSION CONTROL PLAN:

- THE PERMITTEE SHALL TAKE ANY AND ALL APPROPRIATE MEASURES TO LIMIT SOIL EROSION PRIOR TO, DURING, AND AFTER CONSTRUCTION. AS SUCH, THE PERMITTED SHALL BE FULLY ACCOUNTABLE TO THE OHIO EPA, THE SOIL CONSERVATION SERVICE, AND ANY OTHER APPROPRIATE AGENCIES FOR ANY REGULATIONS RELATED TO THE PROTECTION AND CONSERVATION OF SOILS THAT ARE AFFECTED BY THIS PERMITTED WORK.
- THE PERMITTEE SHALL TAKE ANY AND ALL APPROPRIATE MEASURES TO LIMIT SOIL EROSION PRIOR TO, DURING, AND AFTER CONSTRUCTION. AS SUCH, THE PERMITTED SHALL BE FULLY ACCOUNTABLE TO THE OHIO EPA, THE SOIL CONSERVATION SERVICE, AND ANY OTHER APPROPRIATE AGENCIES FOR ANY REGULATIONS RELATED TO THE PROTECTION AND CONSERVATION OF SOILS THAT ARE AFFECTED BY THIS PERMITTED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING AN EROSION CONTROL PLAN TO THE CITY FOR ALL WORK PRIOR TO THE INITIATION OF ANY CONSTRUCTION WORK. THE PLAN SHALL BE SUBMITTED WITHIN TWO (2) WEEKS FOLLOWING THE NOTICE OF AWARD OF THE CONTRACT. ONCE APPROVED, THE PLAN SHALL BE USED BY THE CONTRACTOR THROUGHOUT THE PROJECT. ANY DEVIATIONS FROM THE APPROVED PLAN WILL NEED TO BE SUBMITTED TO THE CITY THREE (3) WEEKS PRIOR TO THE CHANGE FOR THE CITY'S CONSIDERATION.
- THE EROSION CONTROL PLAN SHALL INCLUDE, AT MINIMUM, THE LOCATION OF THE STAGING AND STOCKPILE SITES, AND THE TYPE AND LOCATION OF THE EROSION CONTROL DEVICES.
- THE FOLLOWING SHALL BE USED AS A GUIDE TO DEVELOP THE EROSION CONTROL PLAN.
 - STAGING SITE - IDENTIFY THE LOCATION OF THE POTENTIAL SITES. MAINTAIN A MINIMUM SEPARATION FROM ANY STREAMS, CREEKS, OR OTHER OPEN BODIES OF WATER.
 - STAGING SITE - IDENTIFY THE LOCATION OF THE POTENTIAL SITES. MAINTAIN A MINIMUM SEPARATION FROM ANY STREAMS, CREEKS, OR OTHER OPEN BODIES OF WATER. EROSION CONTROL DEVICES - IDENTIFY THE TYPES OF EROSION CONTROL DEVICES TO BE USED AND INDICATE TIMING AND METHOD OF PERMANENT STABILIZATION AND REVEGETATION. EROSION CONTROL DEVICES MAY INCLUDE, BUT ARE NOT LIMITED TO, SILT FENCE, ROCK CHECK DAMS, INLET PROTECTION, CONSTRUCTION FENCE, ETC.
- SEE SPECIFICATIONS FOR FURTHER REQUIREMENTS AND INFORMATION.

MAINTENANCE/INSPECTION PROCEDURES:

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PROCEDURES:

THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

LESS THAN 50% OF THE SITE WILL BE DENUDED AT ONE TIME.

ALL CONTROL MEASURES WILL BE INSPECTED AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER.

SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND. BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.

A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION.

THE SITE SUPERINTENDENT WILL SELECT INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE, AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.

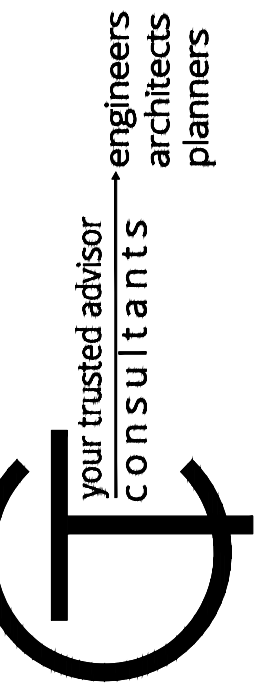
NON-STORMWATER DISCHARGES:

IT IS EXPECTED THAT THE FOLLOWING NON-STORMWATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:
WATER FROM WATER LINE FLUSHINGS.
PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).
UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

CITY OF SUNBURY GENERAL EROSION & SEDIMENT CONTROL NOTES:

- EROSION CONTROL SHALL CONSIST OF TEMPORARY CONTROL MEASURES AS DETAILED ON THE PLANS OR ORDERED BY THE CITY ENGINEER DURING THE LIFE OF THE CONTRACT TO CONTROL SOIL, EROSION, AND SEDIMENTATION THROUGH USE OF EROSION CONTROL BEST MANAGEMENT PRACTICE (BMP'S).
- TEMPORARY EROSION AND SEDIMENT CONTROL ITEMS, THE LOCATION AND SIZE OF WHICH ARE DETAILED ON THE PLANS, SHALL BE INSTALLED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY CLEARING OR EARTHWORK OPERATIONS. CONDITIONS THAT DEVELOP DURING CONSTRUCTION THAT WERE NOT FORESEEN DURING THE DESIGN STAGE THAT REQUIRE ADDITIONAL OR MODIFIED TEMPORARY OR PERMANENT BMP'S SHALL BE DESIGNED BY THE DEVELOPER'S ENGINEER AND APPROVED BY THE CITY ENGINEER AND THEN REFLECTED ON THE EROSION AND SEDIMENT CONTROL PLAN.
- SEDIMENT PONDS, SEDIMENT TRAPS, AND PERIMETER CONTROLS SHALL BE IMPLEMENTED AS THE FIRST STEP OF GRADING AND WITHIN SEVEN (7) DAYS FROM THE START OF GRUBBING. THEY SHALL CONTINUE TO FUNCTION UNTIL DISTURBED AREAS ARE RE-ESTABLISHED WITH TEMPORARY VEGETATION. NO SEDIMENT CONTROLS SHALL BE PLACED IN A STREAM.
- TRENCH DEWATERING OR DEWATERING GROUND WATER, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PUT, FILTER BAG, OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATER SHALL NOT BE DISCHARGED TO STREAMS OR THE STORM SEWER SYSTEM.
- CEMENT WASH WATER SHALL NOT BE ALLOWED TO FLOW TO STREAMS, DITCHES, STORM DRAINS, OR ANY OTHER WATER CONVEYANCE. ALL WASH WATER SHALL BE COLLECTED IN AN APPROVED, DESIGNATED LOCATION.
- CONTAINERS SHALL BE PROVIDED FOR COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS, AND ANY HAZARDOUS MATERIALS TO BE USED ON SITE. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL.
- THESE NOTES AND DRAWINGS ARE INTENDED TO SERVE AS BASIC GUIDELINES. ALL EROSION CONTROL PRACTICES SHALL MEET THE STANDARDS AND SPECIFICATIONS OF THE ODNR RAINWATER AND LAND DEVELOPMENT MANUAL.
- ADDITIONAL EROSION CONTROL BMP'S MAY BE MANDATED BY THE CITY AT ANY TIME DURING THIS PROJECT AS UNFORESEEN SITUATIONS MAY ARISE THAT WARRANT FURTHER EROSION AND SEDIMENT CONTROL PRACTICES.
- LIMITS OF CLEARING AND GRADING SHALL BE CLEARLY MARKED ON SITE WITH SIGNAGE, FLAGGING, AND/OR CONSTRUCTION FENCING. THE SUBCONTRACTOR SHALL LIMIT THE SURFACE AREA OR ERODIBLE EARTH MATERIAL EXPOSED BY EXCAVATION, BORROW, AND FILL OPERATIONS AND PROVIDE IMMEDIATE PERMANENT OR TEMPORARY CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT STREAMS OR OTHER WATER COURSES, LAKES, PONDS, WETLANDS, OR OTHER AREAS OF WATER IMPOUNDMENT.
- CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL INGRESS AND EGRESS LOCATIONS TO ELIMINATE OFF-SITE VEHICLE TRACKING OF SEDIMENTS. SEDIMENTS SHALL BE REMOVED FROM ROADWAYS AT LEAST DAILY, OR MORE OFTEN IF REQUESTED BY THE CITY ENGINEER.
- TEMPORARY SEEDING
 - SEDIMENT CONTROL SHALL BE ACCOMPLISHED BY SEEDING AND STRAW MULCHING ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF EXCAVATION OR FILL AND FINISH GRADING IN ACCORDANCE WITH SPECIFICATIONS OF THE ODNR RAINWATER AND LAND DEVELOPMENT MANUAL.
 - ALL DETENTION PONDS, RETENTION PONDS, WATER QUALITY STRUCTURES, SEDIMENT PONDS, SEDIMENT TRAPS, EARTHEN DIVERSIONS, OR EMBANKMENTS SHALL BE SEEDED AND STRAW MULCHED WITHIN SEVEN (7) DAYS OF COMPLETED CONSTRUCTION.
 - DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR A PERIOD OF TWENTY ONE (21) DAYS OR LONGER SHALL BE STABILIZED WITH SEEDING AND STRAW MULCHING, OR OTHER APPROPRIATE MEANS, WITHIN SEVEN (7) DAYS AFTER EARTH-MOVING CEASES. PERMANENT SOILS STABILIZATION SHALL BE INSTALLED WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE.
 - STABILIZE AREAS WITHIN FIFTY (50) FEET OF ANY STREAM OR WETLAND WITHIN TWO (2) DAYS ON ALL INACTIVE DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR FOURTEEN (14) DAYS OR LONGER.
 - SEEDED AREAS SHALL BE INSPECTED AND WHERE SEED HAS NOT PRODUCES 80% COVER SHALL BE RE-SEEDED AS NECESSARY BY THE CONTRACTOR AREAS. AREAS SHALL BE STABILIZED WITH STRAW MULCH WHEN SUB-CONDITIONS PROHIBIT SEEDING.
 - TEMPORARY SEEDING SHALL BE DONE IN ACCORDANCE WITH CITY OF COLUMBUS SPECIFICATION ITEM 207.
- MAINTENANCE:
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION CONTROL MAINTENANCE AND INSPECTIONS ON A WEEKLY BASIS AND AFTER ALL RAIN EVENTS PRODUCING 1/8" OF RAIN PER 24 HOURS. A WRITTEN RECORD DOCUMENTING THE RESULTS OF THESE INSPECTIONS MUST BE CREATED AND MAINTAINED.
 - THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THAT ALL SUBCONTRACTORS COMPLY WITH THE SEDIMENT AND EROSION CONTROL PLAN.

BID SET



ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -
SEDIMENT & EROSION CONTROL
NOTES & DETAILS 1

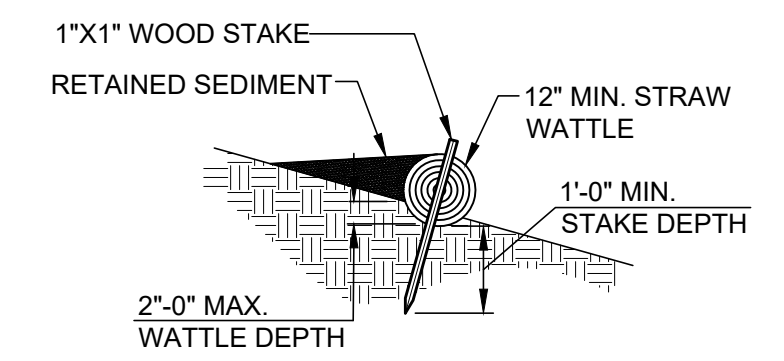
PROJECT NO.	21000720
DISCIPLINE	CIVIL
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SHEET	OF
23	25

EROSION & SEDIMENTATION CONTROL NOTES:

- THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED IN THIS PLAN SHALL BE INSTALLED SEVEN (7) DAYS PRIOR TO INITIAL LAND DISTURBANCE ACTIVITIES. SEDIMENT SHALL BE PREVENTED FROM DISCHARGING FROM THE PROJECT SITE BY INSTALLING AND MAINTAINING SILT FENCE. STRUCTURAL PRACTICES SHALL BE USED TO CONTROL EROSION FROM ALL AREAS REMAINING DISTURBED FOR MORE THAN FOURTEEN (14) DAYS.
- THE CONTRACTOR SHALL CONTROL WASTE, GARBAGE, DEBRIS, WASTEWATER AND OTHER SUBSTANCES ON THE SITE IN SUCH A WAY THAT THEY SHALL NOT BE TRANSPORTED FROM THE SITE BY THE ACTION OF WINDS, STORMWATER RUNOFF OR OTHER FORCES. PROPER DISPOSAL OR MANAGEMENT OF ALL WASTE AND UNUSED BUILDING MATERIAL, APPROPRIATE TO THE NATURE OF THE WASTE OR MATERIAL, IS REQUIRED. COMPLIANCE IS REQUIRED WITH ALL STATE OR LOCAL REGULATIONS REGARDING WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEMS.
- PUBLIC OR PRIVATE ROADWAYS SHALL BE CLEARED OF ACCUMULATED SEDIMENT DAILY OR ON AN AS NEEDED BASIS. BULK CLEARING OF ACCUMULATED SEDIMENT SHALL NOT INCLUDE FLUSHING THE AREA WITH WATER. CLEARED SEDIMENT SHALL BE RETURNED TO THE POINT OF LIKELY ORIGIN OR OTHER SUITABLE LOCATION.
- ALL ONSITE STORM DRAIN INLETS SHALL BE PROTECTED AGAINST SEDIMENTATION WITH FILTER FABRIC OR EQUIVALENT BARRIERS AS SHOWN ON THESE PLANS. ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY REQUIRE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.
- THIS EROSION AND SEDIMENT CONTROL PLAN SHALL BE IMPLEMENTED ON ALL DISTURBED AREAS WITHIN THE CONSTRUCTION SITE. ALL MEASURES INVOLVING EROSION CONTROL PRACTICES SHALL BE INSTALLED UNDER THE GUIDANCE OF QUALIFIED PERSONNEL EXPERIENCED IN EROSION CONTROL AND FOLLOWING THE PLANS AND SPECIFICATIONS INCLUDED IN THE PLAN.
- DURING THE PERIODS OF CONSTRUCTION ACTIVITY, ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MAINTAINED BY THE CONTRACTOR. AT THE COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE TRANSFER OF MAINTENANCE RESPONSIBILITIES, IF REQUIRED, WITH THE OWNER. MAINTENANCE SHALL BE IN ACCORDANCE WITH THE CITY OF SUNBURY, OHIO ENVIRONMENTAL PROTECTION AGENCY (EPA) GENERAL CONSTRUCTION PERMIT AND THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) RAINWATER AND LAND DEVELOPMENT CURRENT EDITION.
- ALL EROSION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE CITY OF SUNBURY, OHIO ENVIRONMENTAL PROTECTION AGENCY (EPA) GENERAL CONSTRUCTION PERMIT AND THE OHIO DEPARTMENT OF NATURAL RESOURCES (ODNR) RAINWATER AND LAND DEVELOPMENT CURRENT EDITION.
- EXISTING VEGETATION SHALL BE PROTECTED AS MUCH AS POSSIBLE. ALL REASONABLE ATTEMPTS SHOULD BE MADE TO MINIMIZE THE TOTAL AREA OF DISTURBED LAND.
- ALL EROSION AND SEDIMENT CONTROLS SHALL BE INSPECTED IN ACCORDANCE WITH THE CONDITIONS OF THE APPLICABLE NPDES PERMIT.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE REMOVED AND DISPOSED OF WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY PRACTICES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION.
- THIS PLAN MUST BE POSTED ON SITE. A COPY OF THE SWPPP PLAN AND THE APPROVED EPA STORMWATER PERMIT (WITH THE SITE-SPECIFIC NOI NUMBER) SHALL BE KEPT ON-SITE AT ALL TIMES.
- THE CONTRACTOR SHALL PROVIDE A SCHEDULE OF OPERATIONS TO THE OWNER. SEDIMENTATION AND EROSION CONTROL FEATURES SHALL BE PLACED IN ACCORDANCE WITH THIS SCHEDULE.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENTATION RUNOFF FROM THE SITE ALONG WITH PROPER MAINTENANCE AND INSPECTION IN ACCORDANCE WITH THE NPDES GENERAL PERMIT FROM THE STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY.
- PRIOR TO CONSTRUCTION OPERATIONS IN A PARTICULAR AREA, ALL EROSION CONTROL FEATURES SHALL BE IN PLACE. FIELD ADJUSTMENTS WITH RESPECT TO LOCATIONS AND DIMENSIONS MAY BE MADE BY THE CITY OF SUNBURY, OHIO EPA AND THE DESIGNER/ENGINEER.
- IT MAY BECOME NECESSARY TO REMOVE PORTIONS OF THE BARRIER (SILT FENCE, STRAW WATTLES) DURING CONSTRUCTION TO FACILITATE THE GRADING OPERATIONS IN A CERTAIN AREA. HOWEVER, THE BARRIER SHALL BE IN PLACE IN THE EVENING OR DURING ANY INCLEMENT WEATHER.
- SEEDING HAS BEEN ASSUMED TO BE 4'-0" OUTSIDE THE GRADING LIMITS. ALL AREAS NOT DESIGNATED TO BE SEEDING SHALL REMAIN UNDER NATURAL GROUND COVER. THOSE AREAS DISTURBED OUTSIDE THE SEEDING LIMITS SHALL BE SEEDING AND MULCHED AT THE CONTRACTOR'S EXPENSE.
- THE USE OF STRAW WATTLES HAS BEEN PROVEN TO BE A VERSATILE AND EFFECTIVE EROSION AND SEDIMENT CONTROL BMP. STRAW WATTLES MAY BE SUBSTITUTED FOR SILT FENCE IN A LINEAR INSTALLATION. STRAW WATTLES MUST BE A MINIMUM OF 12 INCHES IN DIAMETER. COMPOST FILTER SOCK MAY BE SUBSTITUTED FOR SILT FENCE.
- THE EROSION AND SEDIMENT PLAN SHALL INCORPORATE MEASURES WHICH CONTROL THE FLOW OF RUNOFF FROM DISTURBED AREAS SO AS TO PREVENT EROSION FROM OCCURRING. SUCH PRACTICES INCLUDE ROCK CHECK DAMS, PIPE SLOPE DRAINS, DIVERSIONS TO DIRECT FLOW AWAY FROM EXPOSED SOILS AND PROTECTIVE GRADING PRACTICES. THESE PRACTICES SHALL DIVERT RUNOFF AWAY FROM DISTURBED AREAS AND STEEP SLOPES WHERE PRACTICABLE.
- ALL SEDIMENT CONTROL PRACTICES MUST BE CAPABLE OF PONDING RUNOFF IN ORDER TO BE CONSIDERED FUNCTIONAL. EARTH DIVERSION DIKES OR CHANNELS ALONE ARE NOT CONSIDERED A SEDIMENT CONTROL PRACTICE UNLESS THESE ARE USED IN CONJUNCTION WITH A SEDIMENT SETTLING POND.
- SEDIMENT CONTROL STRUCTURES SHALL BE FUNCTIONAL THROUGHOUT THE COURSE OF EARTH DISTURBANCE ACTIVITIES. PERIMETER SEDIMENT BARRIERS SHALL BE IMPLEMENTED PRIOR TO GRADING AND WITHIN SEVEN (7) DAYS FROM THE START OF CONSTRUCTION ACTIVITIES. THEY SHALL CONTINUE TO BE FUNCTIONAL UNTIL THE UP SLOPE PROJECT AREA IS REESTABLISHED. AS CONSTRUCTION PROGRESSES AND THE TOPOGRAPHY IS ALTERED, APPROPRIATE CONTROLS MUST BE CONSTRUCTED OR EXISTING CONTROLS ALTERED TO ADDRESS THE CHANGING DRAINAGE PATTERNS.
- SHEET FLOW RUNOFF FROM DENUDEED AREAS SHALL BE INTERCEPTED BY PERIMETER FILTER FABRIC FENCE TO PROTECT ADJACENT PROPERTIES AND WATER RESOURCES FROM SEDIMENT TRANSPORTED VIA SHEET FLOW. WHERE INTENDED TO PROVIDE SEDIMENT CONTROL, PERIMETER FILTER FABRIC FENCE SHALL BE PLACED ON A LEVEL CONTOUR DOWNSLOPE OF THE DISTURBED AREA.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES SHALL MINIMIZE SEDIMENT LADEN WATER FROM ENTERING ACTIVE STORM DRAINS SYSTEMS. ALL INLETS RECEIVING RUNOFF FROM DRAINAGE AREAS OF ONE OR MORE ACRES WILL REQUIRE A SEDIMENT SETTLING POND.
- ALL EROSION AND SEDIMENT CONTROL PRACTICES ARE SUBJECT TO FIELD MODIFICATIONS AT THE DISCRETION OF THE CITY OF SUNBURY AND/OR THE OHIO EPA IN ORDER TO COMPLY WITH THE APPLICABLE LAWS AND REGULATIONS.
- EXCEPT AS PREVENTED BY INCLEMENT WEATHER CONDITIONS, ALL DISTURBED AREAS TO REMAIN INACTIVE FOR MORE THAN THIRTY (30) DAYS SHALL BE STABILIZED BY SEEDING, SODDING, MULCHING OR ANY OTHER EQUIVALENT EROSION CONTROL MEASURE WITHIN SEVEN (7) DAYS. PERMANENT SOIL STABILIZATION SHALL BE PROVIDED WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS ESTABLISHED.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE SEDIMENT CONTROL FEATURES USED ON THIS PROJECT. THE SITE SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY STORM EVENT GREATER THAN ONE-HALF (0.50) INCH OF RAIN PER TWENTY-FOUR (24) HOUR PERIOD. THE INSPECTION FREQUENCY MAY BE REDUCED TO ONCE A MONTH IF THE ENTIRE SITE IS TEMPORARY STABILIZED OR RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS (SNOW, ICE OR FROZEN GROUNDS). RECORDS OF THESE INSPECTIONS SHALL BE KEPT AND MADE AVAILABLE TO JURISDICTIONAL AGENCIES IF REQUESTED. ANY SEDIMENT OR DEBRIS WHICH HAS REDUCED THE EFFICIENCY OF A STRUCTURE SHALL BE REMOVED IMMEDIATELY. SHOULD A STRUCTURE OR FEATURE BECOME DAMAGED, THE CONTRACTOR SHALL REPAIR OR REPLACE THE STRUCTURE AT NO ADDITIONAL COST TO THE OWNER.
- THIS EROSION AND SEDIMENT CONTROL PLAN IS TO BE USED AS A BASE PLAN FOR THE CONTRACTOR AND IF IT IS REQUIRED TO BE MODIFIED THE CONTRACTOR SHALL NOTIFY THE DESIGNER/ENGINEER WITH THE CHANGES BY SUBMITTING A REVISED EROSION AND SEDIMENT CONTROL PLAN IDENTIFYING ALL REVISION REQUIRED AS A RESULT OF THE WORK. REVISIONS SHALL INCLUDE ALL PROPOSED BMPS NOT PROPOSED ON THIS PLAN OR CONSTRUCTION DOCUMENTS. THE PLAN SHALL BE UPDATE AS CONTROLS ARE PLACED IN THE FIELD.
- THE CONTRACTOR MAY INSTALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPS ON A ROLLING BASIS AS CONSTRUCTION PROCEEDS. NO EARTH DISTURBANCE MAY OCCUR IN AN AREA UNLESS THE BMP ASSOCIATED WITH THE TRIBUTARY AREA IS IN PLACE. THE CONTRACTOR SHALL APPRISE THE CITY OF SUNBURY AND DESIGNER/ENGINEER OF THE ANTICIPATED INSTALLATION RANGE, DATE OF INSTALLED CONTROLS AND LOG THE ACTUAL PLACEMENT RANGE AND DATE ON THE PLAN.
- THE SEDIMENT AND EROSION CONTROL PLAN AS HEREIN DELINEATED IS SUBJECT TO ADJUSTMENT TO ENSURE EROSION CONTROL MEASURES ARE PROPERLY COORDINATED WITH SUCCESSIVE CONSTRUCTION STAGES. THE CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO MINIMIZE THE TOTAL AMOUNT OF AREA DISTURBED AT ONE TIME.
- WATER MAY BE USED FOR DUST CONTROL. USED OIL MAY NOT BE USED FOR DUST CONTROL.
- ALL INSPECTION RECORDS SHALL BE RETAINED FOR AT LEAST THREE (3) YEARS AFTER COMPLETION OF CONSTRUCTION ACTIVITIES.
- DIRECT DISCHARGE OF SEDIMENT LADEN WATER TO THE CITY'S SEWER SYSTEM OR A RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS. THE CONTRACTOR WILL BE HELD LIABLE FOR THE VIOLATION AND SUBSEQUENT FINES.

THE PUBLIC AGENCY AND/OR PRIVATE CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING THAT THE INLET PROTECTION IS ADEQUATE. THE MOST STRINGENT PROJECT PLANS, NOTES AND/OR DRAWINGS INCLUDE STORMWATER POLLUTION PREVENTION PLAN (SWPP3) OR SPILL PREVENTION/REMEDIALATION PLAN SHALL APPLY TO ALL PAVEMENT CUTTING, SAWING OR EXCAVATION OPERATIONS.

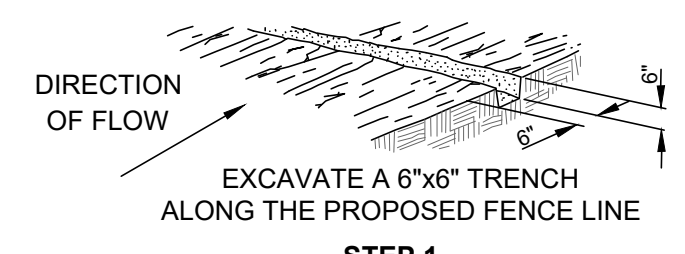
- SHOULD THE INSPECTION INDICATE THAT ANY BMP'S REQUIRE MAINTENANCE OR REPAIR, THE CONTRACTOR SHALL REPAIR NON-SEDIMENT POND BMP'S WITHIN THREE (3) DAYS OF INSPECTION.
- IF THE INSPECTION INDICATES THAT A BMP IS NOT MEETING ITS INTENDED FUNCTION, THE CONTRACTOR SHALL INSTALL A NEW BMP WITHIN THREE (3) DAYS OF INSPECTION.
- SHOULD THE INSPECTION INDICATE ANY MISSING BMP'S REQUIRED TO BE INSTALLED UNDER THIS PLAN, THE CONTRACTOR SHALL INSTALL ANY MISSING BMP'S WITHIN FIVE (5) DAYS OF INSPECTION.
- THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE OHIO EPA GENERAL NPDES PERMIT FOR CONSTRUCTION ACTIVITY AND THE CONSTRUCTION ACTIVITY EROSION AND SEDIMENT CONTROL REQUIREMENTS OF THE CITY OF COLUMBUS STORMWATER DRAINAGE MANUAL. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COVERAGE UNDER ANY GENERAL NPDES PERMIT AND/OR OBTAINING ANY INDIVIDUAL NPDES PERMIT FOR CONSTRUCTION ACTIVITY UNDER THIS PLAN.
- STREET CLEANING (ON AN AS-NEEDED BASIS) IS REQUIRED THROUGH DURATION OF THIS CONSTRUCTION PROJECT. THIS INCLUDES SWEEPING, POWER CLEANING, AND (IF NECESSARY) MANUAL REMOVAL OF DIRT OR MUD IN THE STREET GUTTERS.
- TEMPORARY SEEDING: PER ODOT ITEM 832 CONSTRUCTION SEEDING AND MULCHING. SEE TABLE 2 THIS SHEET.
- PERMANENT SEEDING: PER ODOT ITEM 659 SEEDING AND MULCHING. SEE TABLE 1 THIS SHEET.
- ANY EXISTING STORM INLETS IMPACTED BY THE NEW CONSTRUCTION ACTIVITY WILL NEED THE APPROPRIATE INLET PROTECTION FOR SEDIMENT CONTROL.



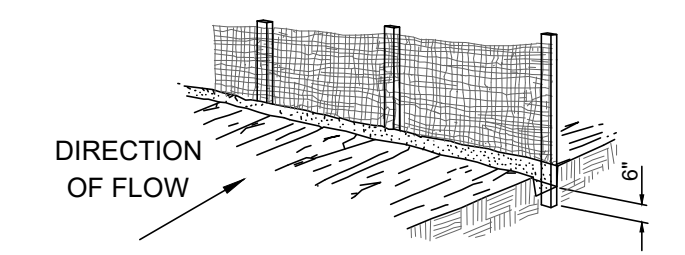
STRAW WATTLE/FILTER SOCK
NTS

NOTES:

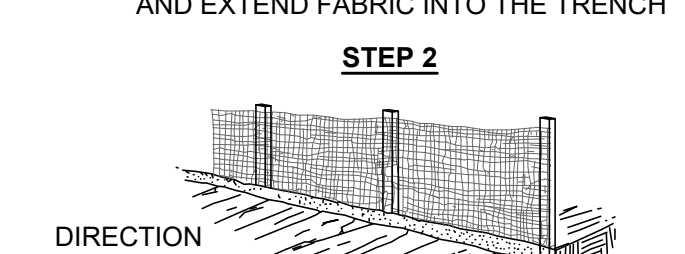
- STRAW WATTLES AND SEDIMENT BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER RAINFALL AND REPAIRS SHALL BE MADE IMMEDIATELY. SHOULD THE BARRIER DECOMPOSE OR BECOME INEFFECTIVE PRIOR TO THE END OF THE EXPECTED USABLE LIFE AND THE BARRIER IS STILL NEEDED, THE BARRIER SHALL BE REPLACED PROMPTLY. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT. THEY MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF OF THE HEIGHT OF THE BARRIER. ANY SEDIMENT DEPOSITS REMAINING IN-PLACE AFTER THE FILTER BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDING.



STEP 1



STEP 2



STEP 3

PERIMETER FILTER FABRIC FENCE

MATERIALS:

FURNISH 30" WIDE FILTER FABRIC WITH SOUND WOOD SUPPORTS WITH MAXIMUM ON-CENTER SPACING OF 10'. USE FILTER FABRIC CONFORMING TO 712.09, TYPE C.

CONSTRUCTION:

TRENCH THE FILTER FABRIC FENCE AS DETAILED. THE CONTRACTOR MAY ELECT TO TRENCH THE FENCE DETAILED ON STEPS 1 THROUGH 3 IN ONE PLOWING OPERATION.

PAYMENT:

ITEM SPECIAL - EROSION & SEDIMENT CONTROL.

MAINTENANCE:

IF RUNOFF OVERTOPS THE FENCE, FLOWS UNDER THE FABRIC, AROUND THE FENCE ENDS, OR IN ANY OTHER WAY ALLOWS CONCENTRATED FLOW TO DISCHARGE, ONE OF THE FOLLOWING MUST BE PERFORMED:

- THE LAYOUT OF THE FENCE SHALL BE CHANGED
- SEDIMENT SHALL BE REMOVED
- ANOTHER BMP SHALL BE INSTALLED

SEDIMENT DEPOSITS SHALL BE ROUTINELY REMOVED OR WHEN THE SEDIMENT REACHES ONE-HALF (1/2) OF THE HEIGHT OF THE FENCE.

FILTER FABRIC FENCE SHALL BE INSPECTED AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONG RAINFALL, THE LOCATION OF THE FENCE SHALL BE REVIEWED DAILY TO ENSURE EFFECTIVENESS.

REPAIRS SHALL BE MADE AS NEEDED TO ENSURE BMP IS PERFORMING AS INTENDED.

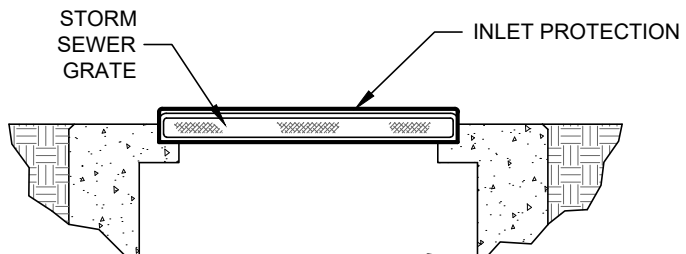
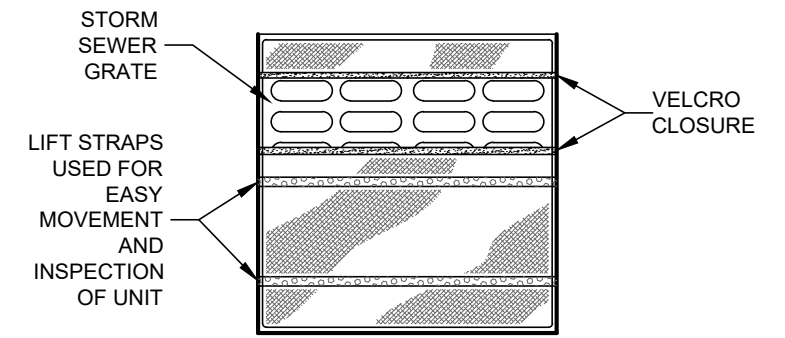
EROSION CONTROL PLACEMENT NOTES:

- INLET PROTECT SHALL BE PLACED ON ALL CATCH BASINS WITHIN THE WORK LIMITS AND WITHIN ANY ADJACENT DITCH.
- STRAW WATTLES OR FILTER FABRIC FENCE SHALL BE PLACED PARALLEL TO WALNUT STREET BETWEEN THE WORK AREA AND BIG WALNUT CREEK.

SEDIMENT & EROSION CONTROL QUANTITIES

QTY	UNIT	DESCRIPTION
1	EA	INLET PROTECTION
200	LF	PERIMETER FILTER FABRIC FENCE
2	EA	FILTER FABRIC DITCH CHECK
1	EA	STABILIZED CONSTRUCTION ENTRANCE
50	SY	CONSTRUCTION SEEDING AND MULCHING

THE ABOVE QUANTITIES INCLUDED IN THE UNIT PRICE BID FOR ITEM 832 EROSION CONTROL.



INLET PROTECTION
NTS

MATERIALS:

FURNISH INLET PROTECTION CONFORMING TO THE SPECIFICATIONS LISTED ABOVE.

INSTALLATION:

- REMOVE GRATE FROM CATCH BASIN
- PLACE THE EMPTY DANDY BAG UNIT OVER THE GRATE AS THE GRATE STANDS ON END.
- HOLDING THE LIFTING STRAPS INSERT THE GRATE INTO ITS FRAME

PAYMENT:

ITEM 832 - EROSION CONTROL - LS

MAINTENANCE:

CONTRACTOR SHALL REMOVE ALL SEDIMENT AND DEBRIS FROM THE SURFACE AND VICINITY OF EACH UNIT AFTER EACH RAIN EVENT OR AS DIRECTED.

TO BE USED ON EXISTING INLET STRUCTURES

STABILIZED CONSTRUCTION ENTRANCE

MATERIALS:

8" - ITEM 411 STABILIZED CRUSH AGGREGATE. WIDTH = 12 FEET LENGTH = AS NEEDED

INSTALLATION:

- PLACE CONSTRUCTION ENTRANCE

RESTORATION:

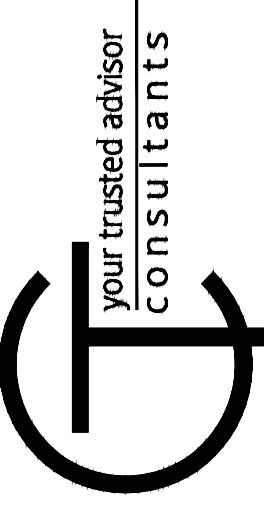
- REMOVE CONSTRUCTION ENTRANCE
- RE-GRADE DISTURBED AREA
- APPLY SEEDING AND MULCHING, AS PER PLAN TO DISTURBED AREA

PAYMENT:

ITEM 832 - EROSION CONTROL - LS

BID SET

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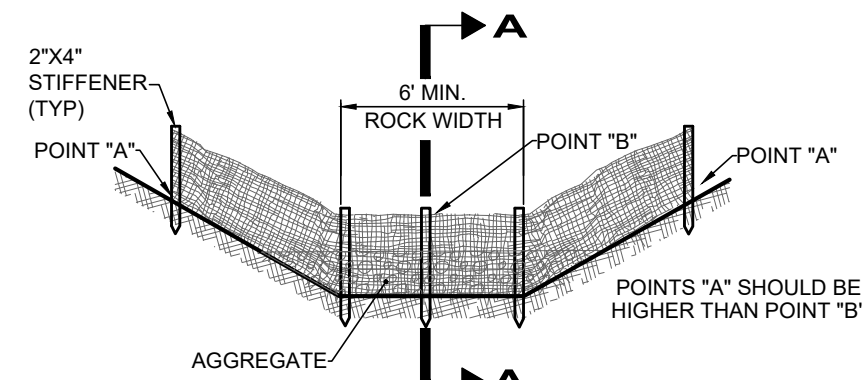


ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	8/12/24			
SCALE:	AS SHOWN			
DESIGNED BY:	EJT			
DRAWN BY:	BKU			
CHECKED BY:	DWW			

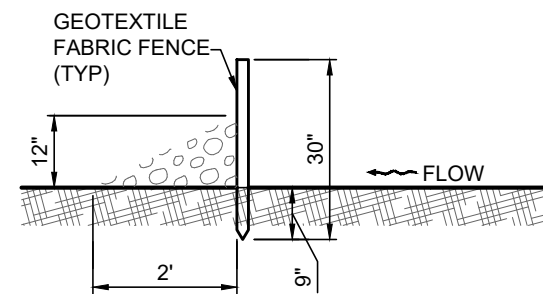
WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

SEDIMENT & EROSION CONTROL
NOTES & DETAILS 2

PROJECT NO.	21000720
DISCIPLINE	CIVIL
SHEET NAME	GEN-NOTE
SHEET	25
OF	24



CROSS-SECTIONAL VIEW OF FLAT BOTTOM FILTER DITCH CHECK
NTS



PROFILE VIEW OF FLAT BOTTOM (SECTION A-A)
NTS

NOTES:

GEOTEXTILE FABRIC DITCH CHECKS:

MATERIALS:

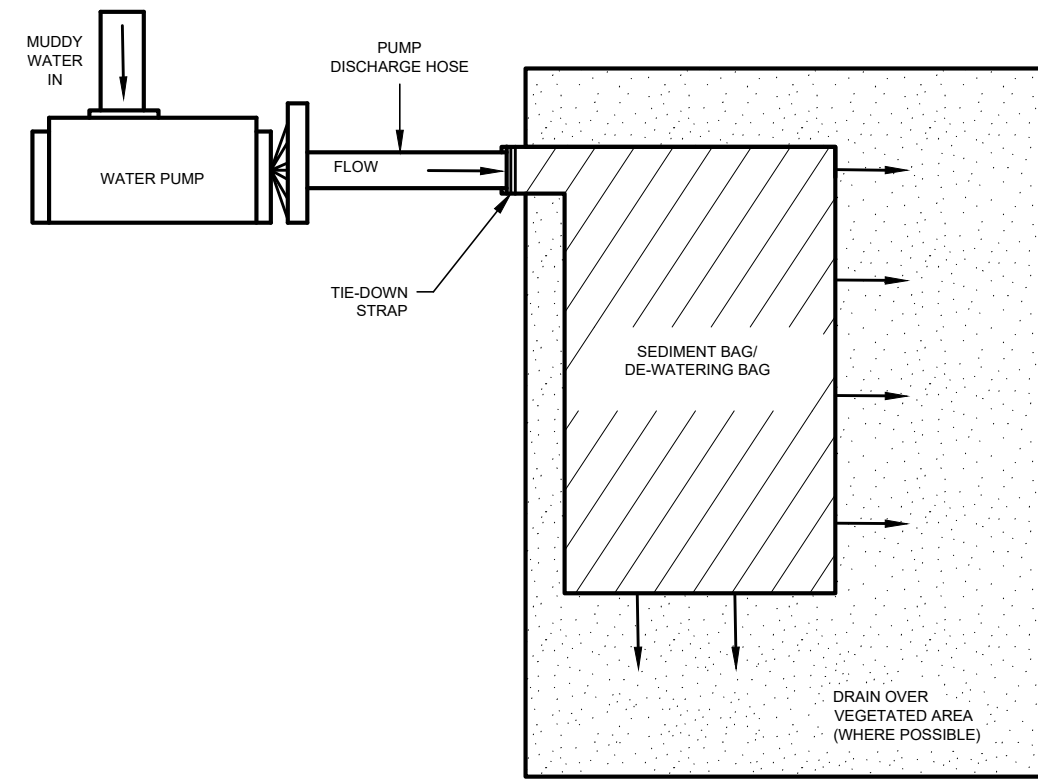
- FURNISH GEOTEXTILE FABRIC DITCH CHECKS CONSISTING OF THE FOLLOWING MATERIALS:
- 30" WIDE GEOTEXTILE FABRIC WITH SOUND WOOD SUPPORTS WITH MAXIMUM ON-CENTER SPACING OF 10'. USE GEOTEXTILE FABRIC CONFORMING TO 712.09, TYPE C.
 - A VERTICALLY DRIVEN 2'x4" STIFFENER STAKE IN THE CENTER OF THE DITCH.
 - AGGREGATE CONFORMING TO ONE OF THE FOLLOWING GRADATIONS: NO. 1 THROUGH NO. 4 ON TABLE 703.01-1. WHEN USING STRAW BALES, FURNISH 30" LONG 2'x2" WOODEN STAKES, REINFORCING BARS OR FENCE POSTS TO STAKE STRAW BALES IN PLACE.

CONSTRUCTION:

TRENCH THE GEOTEXTILE FABRIC FENCE AS DETAILED FOR PERIMETER GEOTEXTILE FABRIC FENCE (SEE SHEET 2). PLACE A VERTICAL 2'x4" STIFFENER STAKE IN THE CENTER OF THE DITCH WITH THE TOP LEVEL TO THE TOP OF THE FENCE AND AT LEAST 6" BELOW THE BOTTOM OF THE DITCH. EXCAVATE FOR AGGREGATE AND PLACE THE AGGREGATE ON THE DOWNSTREAM SIDE OF THE DITCH CHECK. IF THE ENGINEER DETERMINES THAT ROCK SHOULD NOT BE USED FOR THE GEOTEXTILE FABRIC DITCH CHECKS, REPLACE AGGREGATE WITH STRAW BALES CONFIGURED WITH MINIMAL GAPS BETWEEN BALES. TIGHTLY PLACE EACH BALE ADJACENT TO ONE ANOTHER. ENTRENCH 2" TO 3" INTO THE GROUND PRIOR TO STAKING. FIRMLY STAKE EACH BALE WITH AT LEAST TWO STAKES.

PAYMENT:

ITEM 207 - FILTER DITCH CHECK



PUMPING MUDDY WATER DETAIL
NTS

THE PUMPING OR DIRECT DISCHARGE OF SEDIMENT-LADEN (MUDDY) WATER TO THE CITY'S SEWER SYSTEM OR RECEIVING STREAM IS A VIOLATION OF OHIO EPA AND CITY OF COLUMBUS REGULATIONS.

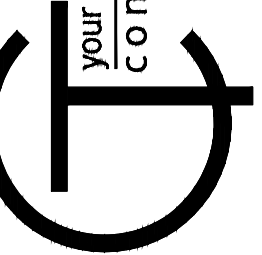
ALL INLETS RECEIVING FLOW FROM RUNOFF, PUMPING ACTIVITIES, OR OTHER DIRECT DISCHARGES SHALL BE FITTED WITH AN INLET PROTECTION DEVICE THAT IS PROPERLY SIZED AND SECURED TO REDUCE THE DISCHARGE OF SEDIMENT INTO THE STORM SEWER SYSTEM AND RECEIVING STREAM. INLET PROTECTION IS REQUIRED ON ALL INLETS RECEIVING DISCHARGE REGARDLESS OF WHETHER OR NOT THE INLET IS TRIBUTARY TO ANY DOWNSTREAM EROSION AND SEDIMENT CONTROLS.

DISCHARGE HOSES USED DURING PUMPING ACTIVITIES SHALL BE FITTED WITH SEDIMENT BAGS THAT ARE PROPERLY SIZED PER MANUFACTURER'S RECOMMENDATIONS REGARDLESS OF WHAT OTHER SEDIMENT CONTROLS ARE IN PLACE FURTHER DOWNSTREAM. SEDIMENT BAGS MUST BE PROPERLY SECURED TO THE DISCHARGE HOSE AND PLACED OVER VEGETATED AREAS, WHERE FEASIBLE, DURING DISCHARGE. SEE DETAIL BELOW OF A TYPICAL SEDIMENT BAG INSTALLATION.

BID SET

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WALNUT STREET STABILIZATION
- CITY OF SUNBURY, DELAWARE COUNTY, OHIO -

SEDIMENT & EROSION CONTROL NOTES & DETAILS 3

PROJECT NO.	
21000720	
DISCIPLINE	
CIVIL	
SHEET NAME	
GEN-NOTE	
SHEET	OF
25	25