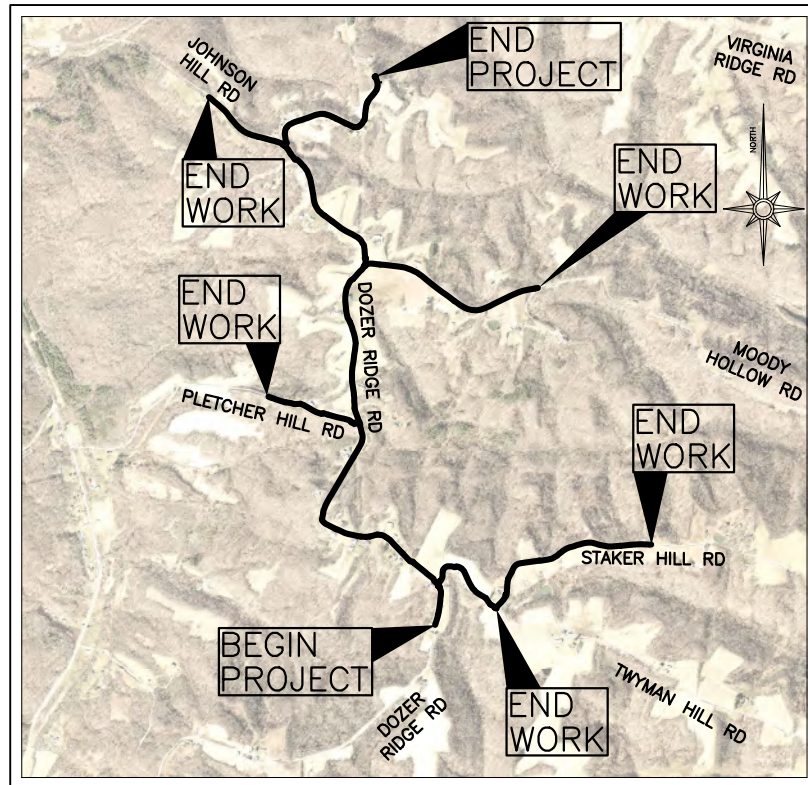


DOZER RIDGE ROAD WATERLINE EXTENSION

BRUSH CREEK TOWNSHIP MUSKINGUM COUNTY, OHIO

PROJECT DESCRIPTION

THE CONSTRUCTION OF A WATERLINE EXTENSION ON DOZER RIDGE RD FROM 9355 DOZER RIDGE RD TO 8248 DOZER RIDGE RD. ALSO, INCLUDES WATERLINE IMPROVEMENTS ON JOHNSON HILL RD, MOODY HOLLOW RD, PLETCHER HILL RD, TWYMAN HILL RD, AND STAKER HILL RD.



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Melissa J. Bell

MELISSA J. BELL, PRESIDENT
MUSKINGUM COUNTY COMMISSIONER

03/05/26

DATE

Cindy S. Cameron

CINDY S. CAMERON
MUSKINGUM COUNTY COMMISSIONER

03/05/2026

DATE

DRAKE L. PROUTY
MUSKINGUM COUNTY COMMISSIONER

DATE

PROPERTY OWNER:
MUSKINGUM COUNTY COMMISSIONERS
401 MAIN STREET
ZANESVILLE, OHIO 43701

CONTACT PERSON:
DON MADDEN, PROJECTS DIRECTOR
401 MAIN STREET
ZANESVILLE, OHIO 43701
(740)588-4389

NOTE TO CONTRACTOR:

ANY MODIFICATIONS TO THE WATERLINE IMPROVEMENTS SHOWN ARE SUBJECT TO THE APPROVAL OF THE PROJECT ENGINEER. THIS POLICY SHALL BE ADHERED TO THROUGHOUT THE LIFE OF THIS PROJECT. ANY MODIFICATIONS MADE THAT HAVE NOT BEEN APPROVED BY THE PROJECT ENGINEER MAY BE SUBJECT TO REMOVAL, AT THE DISCRETION OF THE PROJECT ENGINEER. THE COST TO REMOVE UNAPPROVED WORK SHALL BE BURDENED BY THE CONTRACTOR WHO PERFORMED SAID WORK, NOT THE OWNERS OR THE PROJECT ENGINEER.

UNDERGROUND UTILITIES
TWO WORKING DAYS
BEFORE YOU DIG
CALL 1-800-362-2764
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY

REVISIONS			
NO.	DATE ISSUED	DESCRIPTION	SHEET NOS.
1	04/09/2026	RDWY SURFACE RESTORATION NOTES; HDPE SERVICE CONNECTION REQUIREMENTS; BACKFILL REQUIREMENTS; TRENCH DETAILS PARALLEL TO RDWYS; MATCHLINE SHEET REFS; WATERLINE CHANGES ON TWYMAN HILL & STAKER HILL	4-5, 7, 11, 13, 17, 18

ENGINEER'S SEAL:

SIGNED: *Gary John Williams*
DATE: 3/9/26

Mark J. Eicher, P.E., P.S.
Muskingum County
109 Graham Street
Zanesville, Ohio 43701
ENGINEER'S OFFICE 740-454-0155

DOZER RIDGE ROAD WATERLINE EXTENSION

PROJECT NAME
PROJECT LOCATION

PLANS APPROVED BY:

MJE

PLANS PREPARED BY:

GJW

DATE:

02/12/2026

REVISED:

04/09/2026

SHEET SIZE:

11" x 17"

SHEET NAME:

TITLE SHEET

SHEET NUMBER:

01
24

GENERAL NOTES

THE CONTRACTOR SHALL NOTIFY THE COUNTY ENGINEER'S OFFICE, TELEPHONE (740) 454-0155 FORTY EIGHT (48) HOURS PRIOR TO COMMENCING WORK ON THE PROJECT, HOLIDAYS AND WEEKENDS EXCLUDED.

AT THE TIME OF THE BID OPENING EACH BIDDER WILL BE PRESUMED TO HAVE INSPECTED THE SITE AND TO HAVE READ AND TO BE THOROUGHLY FAMILIAR WITH THE PLANS AND CONTRACT DOCUMENTS.

ALL PROPERTY LINE MARKERS (IRON PINS, SPIKES, CONCRETE MONUMENTS, ETC.) THAT ARE DISTURBED BY THE CONSTRUCTION OPERATIONS SHALL BE REFERENCED AND PROPERLY RESET FOLLOWING CONSTRUCTION UNDER THE SUPERVISION OF A REGISTERED PROFESSIONAL SURVEYOR OF THE STATE OF OHIO AT THE CONTRACTOR'S EXPENSE.

ALL MANUFACTURED MATERIALS USED FOR THIS PROJECT MUST BE DOMESTIC AND MADE IN THE U.S.A. REFER TO BID DOCUMENTS FOR ADDITIONAL BUILD AMERICA BUY AMERICA REQUIREMENTS.

ALL SHOP DRAWINGS MUST BE APPROVED BY MUSKINGUM COUNTY WATER DEPARTMENT.

MUSKINGUM COUNTY WATER DEPARTMENT IS TO HAVE AN INSPECTOR ON THE JOB SITE AT ALL TIMES WHEN THE CONTRACTOR IS WORKING.

SPECIFICATIONS:

THE REQUIREMENTS OF THE OHIO DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS DATED JANUARY 2016, INCLUDING ALL SUPPLEMENTS THERETO IN FORCE ON DATE OF CONTRACT SHALL GOVERN ALL MATERIALS AND WORKMANSHIP INVOLVED IN THE IMPROVEMENTS SHOWN ON THESE PLANS EXCEPT AS SUCH SPECIFICATIONS ARE MODIFIED BY THE FOLLOWING SPECIFICATIONS OR BY THE LATEST EDITION OF THE AWWA STANDARDS, SHALL APPLY AS NEEDED AND ARE HEREBY CONSIDERED A PART OF THESE PLANS.

PERMITS:

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND HAVE IN HIS POSSESSION AN APPROVED AND SIGNED SET OF CONSTRUCTION DRAWINGS. WITHOUT THE REQUIRED PERMITS AND AN APPROVED SET OF PLANS, CONSTRUCTION WILL NOT BE PERMITTED.

TREES:

TREES ENCOUNTERED DURING CONSTRUCTION OUTSIDE THE RIGHT-OF-WAY LIMITS SHALL BE REMOVED ONLY WHEN NECESSARY. REFER TO BID DOCUMENTS FOR RESTRICTIONS ON WHEN TREES CAN BE REMOVED TO PROTECT THE INDIANA BAT AND PLAN ACCORDINGLY. THE COST FOR TREE REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR WATERLINE PAY ITEMS.

SAFETY REQUIREMENTS:

THE CONTRACTOR AND SUBCONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE, AND LOCAL SAFETY REQUIREMENTS, TOGETHER WITH EXERCISING PRECAUTIONS AT ALL TIMES FOR THE PROTECTION OF PERSONS (INCLUDING EMPLOYEES) AND PROPERTY. IT IS ALSO THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND SUBCONTRACTOR TO INITIATE, MAINTAIN, AND SUPERVISE ALL SAFETY REQUIREMENTS PRECAUTIONS, AND PROGRAMS IN CONNECTION WITH THE WORK.

MISCELLANEOUS WORK:

ALL ITEMS OF WORK CALLED FOR ON THE PLANS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED SHALL BE PERFORMED BY THE CONTRACTOR AND THE COST OF SAME SHALL BE INCLUDED IN THE PRICE FOR VARIOUS RELATED ITEMS. IF NO SCHEDULE OF VALUES IS PROVIDED ALL ITEMS OF WORK INDICATED ON THE PLANS ARE TO BE PERFORMED WITH FULL COMPENSATION TO BE INCLUDED IN THE CONTRACT AMOUNT.

FIELD TILE:

ALL FIELD TILE BROKEN DURING EXCAVATION SHALL BE REPLACED TO ORIGINAL CONDITION OR CONNECTED TO EITHER THE CURB SUB DRAIN OR THE STORM SEWER SYSTEM AS DIRECTED BY THE ENGINEER.

SURPLUS EXCAVATION:

THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATION OFF SITE. BE ADVISED THAT AREA LANDOWNERS MAY BE INTERESTED IN SURPLUS EXCAVATION.

TRAFFIC CONTROL:

ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED, MAINTAINED, AND REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE "OHIO MANUAL OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION AND MAINTENANCE OPERATIONS." COPIES OF WHICH ARE AVAILABLE FROM THE OHIO DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC, 25 S. FRONT STREET, COLUMBUS, OHIO 43215.

TWO -WAY TRAFFIC MUST BE MAINTAINED AT ALL TIMES.

ALL COSTS ASSOCIATED WITH THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR VARIOUS ITEMS.

EROSION CONTROL:

EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF OHIO'S STANDARDS FOR STORM WATER MANAGEMENT LAND DEVELOPMENT AND URBAN STREAM PROTECTION MANUAL "RAINWATER AND LAND DEVELOPMENT".

TRACKING OR SPILLAGE OF MUD, DIRT, OR DEBRIS UPON STREETS, RESIDENTIAL OR COMMERCIAL DRIVES, SIDEWALKS, OR BIKE PATHS IS PROHIBITED AND ANY SUCH OCCURRENCE SHALL BE CLEANED IMMEDIATELY.

THE PROJECT SITE SHALL BE FREE OF ALL DEBRIS AND MATERIALS RESULTING FROM THIS OPERATION AND ALL SURFACES, STRUCTURES, DITCHES, AND PROPERTY RESTORED TO ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER.

EXISTING UTILITIES:

THE IDENTITY AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UNDERGROUND UTILITY AS REQUIRED BY SECTION 153.64 OR SECTION 3781.27 OF THE OHIO REVISED CODE, THE COUNTY AND THE ENGINEER ASSUME NO RESPONSIBILITY FOR THE ACCURACY OF LOCATIONS OR DEPTHS OF UNDERGROUND FACILITIES SHOWN ON THE APPROVED CONSTRUCTION DRAWINGS.

THE CONTRACTOR SHALL DESIGNATE FOR EXISTING UTILITIES AROUND ALL PROPOSED STRUCTURES BEFORE DIGGING TO VERIFY NO CONFLICTS EXIST. WHEN UNKNOWN OR INCORRECTLY LOCATED UNDERGROUND UTILITIES ARE ENCOUNTERED DURING DESIGNATION AND/OR CONSTRUCTION, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE UTILITY OWNER, THE COUNTY AND THE ENGINEER.

THE CONTRACTOR SHALL NOTIFY THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT (1-800-362-2764) AT LEAST 48 HOURS, AND NO MORE THAN 10 DAYS PRIOR TO EXCAVATING WITH SUCH TIME PERIODS NOT INCLUDING WEEKENDS OR HOLIDAYS. CONTRACTOR SHALL SIMILARLY CONTACT ALL UTILITY OWNERS WHO ARE NOT SUBSCRIBERS TO OUPS.

REVISION 

IF THERE ARE MARKERS OR OTHER APPARENT PHYSICAL EVIDENCE IN OR NEAR THE PROJECT AREA THAT MAY INDICATE THE EXISTENCE OF UNDERGROUND PETROLEUM OR NATURAL GAS PIPELINES, THE CONTRACTOR SHALL ADDITIONALLY CONTACT THE OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (OGPUPS) AT 800-925-0988. TOLL FREE SAID NOTIFICATION SHALL BE GIVEN A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.

THE FOLLOWING UTILITIES ARE KNOWN OR CAN BE EXPECTED TO BE LOCATED WITHIN THE LIMITS OF THIS PROJECT:

UTILITY	OWNER	PHONE NUMBER
GAS/PETROLEUM	DIVERSIFIED GAS & OIL	330.493.0440
GAS/PETROLEUM	NATIONAL GAS & OIL	740.344.2102
GAS/PETROLEUM	PETRO QUEST, INC.	740.554.5888
GAS/PETROLEUM	ENBRIDGE TEXAS EASTERN TRANSMISSION	800.231.7794
GAS	COLUMBIA GAS OF OHIO	740.450.1215
ELECTRIC	AEP	614.716.1000
WATER	MUSKINGUM COUNTY WATER DEPT	740.453.0678
WATER	CITY OF ZANESVILLE WATER DEPT	740.455.0631
WASTEWATER	MUSKINGUM COUNTY SEWER DEPT	740.452.4940
WASTEWATER	CITY OF ZANESVILLE SEWER DEPT	740.455.0662
COMMUNICATIONS	AT&T OHIO	740.454.3455
COMMUNICATIONS	CHARTER/SPECTRUM COMMUNICATIONS	888.438.2427
COMMUNICATIONS	AEP TELECOM	800.672.2231

THE CONTRACTOR IS RESPONSIBLE FOR THE INVESTIGATION, LOCATION, SUPPORT, PROTECTION AND RESTORATION OF ALL EXISTING UTILITIES AND APPURTENANCES WHETHER SHOWN ON THE PLANS OR NOT. THE CONTRACTOR SHALL PROCEED WITH THE WORK AND PROTECT ALL UNDERGROUND UTILITIES IN A MANNER AT LEAST AS CAUTIOUS AND PROTECTIVE OF SAFETY AND UNDERGROUND UTILITIES AS THOSE METHODS IDENTIFIED IN SECTIONS 3781.25 THROUGH 3781.30 OF THE OHIO REVISED CODE.

ALL MARKED PRIVATE UTILITY REPAIRS OR RELOCATION (GAS, ELECTRIC, PHONE, ETC.) WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

ANY REPAIRS OR RELOCATION OF UNMARKED PRIVATE UTILITIES (GAS, ELECTRIC, PHONE, ETC.) SHALL BE THE RESPONSIBILITY OF THE UTILITY OWNER. ANY REPAIRS OR RELOCATION OF UNMARKED PUBLIC UTILITIES SUCH AS WATER SHALL BE THE RESPONSIBILITY OF THE UTILITY OWNER. ANY REPAIRS TO WATER SERVICE LINES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INCLUDED IN THE UNIT PRICE FOR ITEM SPECIAL WATER SERVICE LINE REPAIR, A QUANTITY OF 20 WATER SERVICE LINE REPAIR UNITS HAVE BEEN INCLUDED IN THE ESTIMATED QUANTITIES FOR THIS PROJECT.

WATER WITHDRAWAL REGISTRATION:

THE OHIO DEPARTMENT OF NATURAL RESOURCES REQUIRES A WATER REGISTRATION WHERE SURFACE OR GROUNDWATER IS WITHDRAWN AT A RATE GREATER THAN 100,000 GALLONS PER DAY. THE CONTRACTOR WILL BE REQUIRED TO APPLY FOR AND SUBMIT THE REQUIRED FORM.

STREET, STORM AND WATER NOTES

PERMITS:

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND HAVE IN HIS POSSESSION AN APPROVED AND SIGNED SET OF CONSTRUCTION DRAWINGS. WITHOUT THE REQUIRED PERMITS AND AN APPROVED SET OF PLANS, CONSTRUCTION WILL NOT BE PERMITTED.

UNAUTHORIZED STREET EXCAVATION:

IN THE EVENT EXCAVATION FOR THE STREET IS FROM 0" TO 6" BELOW THAT CALLED FOR THE PLANS, THE CONTRACTOR SHALL REPLACE THIS EXCESS EXCAVATED MATERIAL WITH COMPACTED 304 CRUSHED LIMESTONE AGGREGATE AS DIRECTED AND AT NO EXTRA COST TO THE OWNER OR ENGINEER.

BACKFILL - WATER MAINS & WATER SERVICES:

WHERE WATER MAINS AND WATER SERVICE INSTALLATIONS CROSS EXISTING PAVEMENT AT AN ANGLE OR RUN PARALLEL WITH THE EDGE OF EXISTING PAVEMENT VIA OPEN TRENCH METHODS, THE TRENCH SHALL BE BACKFILLED IN ACCORDANCE WITH TRENCH DETAILS INCLUDED ON THE DETAIL SHEETS.

ROADSIDE SWALE RESTORATION:

WHERE WATER LINE INSTALLATION DISTURBS EXISTING ROADSIDE SWALES, CONTRACTOR SHALL BE REQUIRED TO RESTORE ROADSIDE SWALES TO PRE-CONSTRUCTION CONDITIONS FOLLOWING INSTALLATION. COST FOR RESTORATION TO BE INCLUDED IN THE UNIT PRICE FOR WATER LINE.

ROADWAY SURFACE RESTORATION:

THE PROPOSED WATERLINE HAS BEEN DESIGNED WITHIN CLOSE PROXIMITY OF THE EXISTING ROADWAY SURFACE TO MINIMIZE CONFLICTS WITH EXISTING UTILITIES. THIS MAY RESULT IN OPEN TRENCHES DURING CONSTRUCTION THAT ENCR OACH WITHIN THE ROADWAY SURFACES. MUSKINGUM COUNTY HAS RECEIVED APPROVAL FROM THE BRUSH CREEK TOWNSHIP TRUSTEES TO DO SO. THE CONTRACTOR WILL BE REQUIRED TO RESTORE ANY ROADWAY SURFACES DISTURBED BY CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH THE TRENCH DETAIL (PAVEMENT AREAS) FOR TOWNSHIP ROADS NOTED ON SHEET 07 OF THE PLANS. THIS DETAIL WILL BE THE SAME REGARDLESS OF THE ROADWAY SURFACE (CHIP AND SEAL OR COMPACTED AGGREGATE) IMPACTED. THE ROADWAY SURFACE AREA RESTORED WILL BE LIMITED TO PRE-CONSTRUCTION ROADWAY SURFACE AREAS. MUSKINGUM COUNTY WILL NOT REQUIRE THAT THE ENTIRE TRENCH WIDTH FOLLOW THE DETAIL IF ONLY A PORTION OF THE TRENCH IMPACTS THE ROADWAY.

WATER MAINS:

ALL WATER LINE MATERIALS AND INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE MUSKINGUM COUNTY WATER AUTHORITY CURRENT RULES AND REGULATIONS. ALL WATER LINE MATERIAL 10" DIAMETER OR LESS SHALL BE PVC AWWA C900, DR-18. IN CASE OF CONFLICT IN GRADE BETWEEN WATER LINES AND STORM SEWERS, CONTACT OWNER FOR CONCURRENCE BEFORE LOWERING WATER LINES.

BACKFILL GROUND OVER THE TOP OF THE PIPE SHALL BE FREE OF ROCKS, ORGANIC REFUSE OR OTHER OBJECTIONABLE MATERIAL. SEE BACKFILL NOTE ABOVE. THE INSTALLING CONTRACTOR IS RESPONSIBLE FOR CONDUCTING PRESSURE AND LEAKAGE TESTS AT A PRESSURE OF 150 PSI IN ACCORDANCE WITH AWWA C600 OR 1 1/2 TIMES WORKING PRESSURE. THE NORMAL WORKING PRESSURE FOR THE WATER MAIN SHALL NOT BE LESS THAN 35 PSI. ANY TAPPING SLEEVES REQUIRED SHALL BE STAINLESS STEEL, INCLUDING BOLTS AND ACCESSORIES.

WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED GRAVITY SANITARY OR STORM SEWER, SEPTIC TANK, OR SURFACE TREATMENT SYSTEM. THE DISTANCE SHALL BE MEASURED EDGE TO EDGE.

WATER MAINS CROSSING SANITARY OR STORM SEWERS SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL DISTANCE OF 18 INCHES BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF THE SEWER. THIS SHALL BE THE CASE WHERE THE WATER MAIN IS EITHER ABOVE OR BELOW THE SEWER WITH PREFERENCE TO THE WATER MAIN LOCATED ABOVE THE SEWER.

AT CROSSINGS, ON FULL LENGTH OF WATER PIPE SHALL BE LOCATED SO BOTH JOINTS WILL BE AS FAR FROM THE SEWER AS POSSIBLE. SPECIAL STRUCTURAL SUPPORT FOR THE WATER AND SEWER PIPES MAY BE REQUIRED.

CHLORINATION OF WATER MAINS:

THE CONTRACTOR SHALL BE MADE RESPONSIBLE FOR HAVING THE WATER MAINS CHLORINATED AND TESTED IN ACCORDANCE WITH AWWA SPECIFICATIONS SECTION C651. THE COST OF CHLORINATION SHALL BE INCLUDED IN THE PRICE BID OF THE VARIOUS WATER MAIN ITEMS. THE CONTRACTOR SHALL SUBMIT TWO (2) COPIES OF TEST RESULTS TO THE WATER DEPARTMENT. TABLET CHLORINATION SHALL BE USED, THE TABLETS SHALL BE FIXED TO THE PIPE WITH PERMATAX. OWNER WILL ALSO SAMPLE WATER MAINS FOR PROPER CHLORINATION.

SERVICE CONNECTIONS:

SERVICES SHALL BE MADE USING FORD F-1100 CORPORATION STOPS. VALVE BOXES SHALL BE MUELLER OR BINGHAM-TAYLOR WITH COVERS MARKED "WATER". NO SUBSTITUTION FOR VALVE BOXES WILL BE PERMITTED UNLESS APPROVED BY THE MUSKINGUM COUNTY WATER DEPARTMENT. THE LOCATION OF THE END OF THE SERVICE WILL BE MARKED AS DIRECTED BY THE MUSKINGUM COUNTY WATER DEPARTMENT.

SERVICE CONNECTIONS BY CONTRACTOR SHALL BE MADE BY TAPPING THROUGH A SERVICE CLAMP OR SADDLE PROVIDING FULL 360° SUPPORT AGAINST THE PIPE. CLAMP AND BOLTS SHALL BE STAINLESS STEEL, WITH MINIMUM 6" BETWEEN BOLT CENTERS. ALL SERVICE LINES MUST GO TO PROPERTY LINE. ALL WATER SERVICE LINES SHALL BE 2" OR LESS, AND SHALL BE 200 PSI C.T.S., TUBING. WATER SERVICE TAP SIZE SHALL BE 3/4". WHEN SERVICES MUST CROSS ROADWAYS, UTILIZE HORIZONTAL DIRECTIONAL DRILLING METHODS TO INSTALL 3/4" HDPE (DR 9) 250 PSI C.T.S. SERVICE TUBING.

SERVICE CONNECTIONS MADE ALONG A SEGMENT OF WATERMAIN BEING INSTALLED BY HORIZONTAL DIRECTIONAL DRILLING METHODS SHALL REQUIRE THE USE OF A SADDLE SPECIFICALLY DESIGNED FOR HDPE PIPE. CONTRACTOR TO USE ONE OF THE FOLLOWING MODELS OF A FORD STAINLESS STEEL SADDLE WITH SPRING WASHERS (BELLEVILLE WASHERS) BASED ON THE SIZE OF WATERLINE:

- 3-INCH WATERLINE – MODEL FSP 313-350-CC3
- 4-INCH WATERLINE – MODEL FSP 313-450-CC3
- 6-INCH WATERLINE – MODEL FSP 313-663-CC3

CONTRACTOR CAN SUBMIT AN EQUAL FOR APPROVAL.

TRACER TAPE:

TAPE SHALL BE LAID NO LESS THAN 18" ABOVE THE MAIN LINE PIPE. FOIL-BASED TAPE WILL NOT BE ALLOWED.

TRACER WIRE:

TRACER WIRE SHALL BE TAPED TO THE TOP OF WATER MAINS AND SERVICE CONNECTIONS. TRACER WIRE USED SHALL BE COPPERHEAD WIRE OR APPROVED EQUAL AND BE MADE OF 12 GAUGE WIRE. TRACER WIRE USED AT DIRECTIONAL DRILL (BORE) LOCATIONS SHALL BE COPPERHEAD WIRE SPECIFIED FOR DIRECTIONAL DRILLING OR APPROVED EQUAL. ALL LOCATE TRACER WIRE CONNECTIONS WILL HAVE WATER TIGHT WIRE NUTS.

VALVES:

GATE VALVES SHALL COMPLY WITH AWWA C509, IRON BODY, RESILIENT WEDGE VALVES, MANUFACTURED 2500 SERIES AMERICAN FLOW CONTROL. VALVES WILL BE LOCATED CLOSE TO MAIN LINE VALVE, CLOSE RIGHT TEE'S WHEN IN A BRANCH LINE. SUPPLY ONE VALVE WRENCH FOR EACH 10 VALVES INSTALLED. WRENCHES ARE TO BE TURNED OVER TO MUSKINGUM COUNTY WATER DEPARTMENT.

VALVE BOXES:

VALVE BOXES SHALL BE LOCATED WITHIN THE R/W AND 6" FROM THE PROPERTY LINE UNLESS OTHERWISE SHOWN ON THE PLANS OR ORDERED BY THE ENGINEER.

JOINTS:

ALL PVC PIPE SHALL BE PROVIDED WITH PUSH-ON-TYPE WITH A THICKENED BELL AND SHALL CONFORM TO ASTM D 3139 WITH A RUBBER GASKET CONFORMING TO ASTM F477.

FITTINGS:

THE FITTINGS SHALL BE DUCTILE IRON, MADE IN THE UNITED STATES, CONFORMING TO AWWA C153, SHALL BE PROVIDED WITH MECHANICAL JOINT ENDS (WITH RETAINER GLAND) MADE IN ACCORDANCE WITH AWWA C111. ALL C153 FITTINGS SHALL HAVE A BITUMINOUS COATED CEMENT LINING COMPLYING WITH AWWA C104 AND SHALL HAVE AN OUTSIDE COATING COMPLYING WITH AWWA C110. ANCHORAGE METHODS TO BE USED UTILIZING ANCHORING TEES, ELBOWS AND COUPLINGS SHALL BE APPROVED BY THE ENGINEER. FITTINGS SHALL BE EQUIPPED WITH A ROTABLE GLAND OR OTHER METHOD TO FACILITATE VERTICAL POSITIONING OF APPURTENANCES. ALL BENDS SHALL HAVE CONCRETE THRUST BLOCKING. ALL BOLTS SHALL BE FIELD COATED WITH A BITUMINOUS COATING AFTER IN PLACE.

METER PITS:

METER PITS SHALL BE LOCATED AS SHOWN ON THE PLANS, AND SHALL INCLUDE COPPER SETTERS.

METER PITS SHALL BE MIDSTATE 18" X 24".

PIT LID SHALL BE 18" X 15" WITH HOLE FOR TOUCH READ DEVICE.

COPPER SETTER SHALL BE FORD 5/8" X 3/4" VH72-18W-44-33.

FIRE HYDRANTS:

IF REQUIRED PER PLAN, FIRE HYDRANTS SHALL BE 12" HIGH FLOW ONLY. FIRE HYDRANTS OPEN RIGHT, WITH A 6" X 2' ANCHOR COUPLER BETWEEN VALVE AND HYDRANT. ALL FIRE HYDRANTS SHALL BE SET A MINIMUM OF 4' FROM THE EDGE OF THE PAVEMENT, BUT NOT MORE THAN 6' UNLESS OTHERWISE SHOWN. THE BREAKAWAY FLANGE SHALL BE A MINIMUM OF 3" ABOVE GRADE BUT NO MORE THAN 6" ABOVE GRADE. USE CLASS "A" SETTING WHERE APPLICABLE. CUT CHAINS OFF OF ALL HYDRANTS, LUBE THREADS OF CAPS WITH SUPER LUBE GREASE.

HYDRANT DRAINS SHOULD BE PLUGGED. WHEN THE DRAINS ARE PLUGGED, THE BARRELS MUST BE PUMPED DRY BEFORE AND DURING COLD WEATHER PERIODS WHEN TEMPERATURES ARE LIKELY TO BE COLD ENOUGH TO FREEZE THE WATER IN THE HYDRANT BARREL.

HYDRANT DRAINS, WHERE ALLOWED, SHALL NOT BE LOCATED WITHIN 10 FEET OF SANITARY SEWERS, STORM SEWERS, OR STORM INLETS.

HYDRANT DRAINS, WHERE ALLOWED, MUST BE ABOVE THE SEASONAL GROUNDWATER TABLE.

WHERE HYDRANT DRAINS ARE NOT PLUGGED, A GRAVEL POCKET OR DRY WELL SHALL BE PROVIDED UNLESS THE NATURAL SOILS WILL PROVIDE ADEQUATE DRAINAGE.

MANUFACTURER:

ALL MANUFACTURED MATERIALS FOR THIS PROJECT ARE TO BE "MADE IN THE U.S.A." OR AS APPROVED BY THE ENGINEER.

Mark J. Eicher, P.E., P.S.

 Muskingum County Engineer's Office
 109 Graham Street
 Zanesville, Ohio 43701
 740-454-0155

PREPARED BY:

PROJECT NAME: DOZER RIDGE ROAD WATERLINE EXTENSION

PROJECT LOCATION:

PLANS APPROVED BY:

MJE

PLANS PREPARED BY:

GJW

DATE:

01/28/2026

REVISED:

04/09/2026

SHEET SIZE:


11" x 17"

SHEET NAME:

GENERAL NOTES (1)

SHEET NUMBER:

04
24

REVISION	REV. BY	DATE	DESCRIPTION
	GJW	04/09/2026	ROADWAY SURFACE RESTORATION NOTES; SERVICE CONNECTION REQUIREMENTS WITHIN LIMITS OF HDPE PIPE.

WATERLINE SPECIFICATIONS:
 ACCEPTABLE PIPE & APPURTENANCES
 PIPE MATERIAL/PIPE SPECS - 3 IN: PVC PIPE/DR21/ASTM D2241, HDPE IPS/DR 11/
 AWWA C906; 4 & 6 IN: PVC PIPE/DR 18/AWWA C900, HDPE IPS/DR 11/AWWA C906
 VALVES/TAPPING SLEEVES - AWWA C500
 STOP BOXES/SERVICE BOXES - AWWA C800
 DISINFECTION/FLUSHING - AWWA C651
 INSTALLATION/TESTING AWWA C600, C605

WATERLINE SYSTEM PRESSURE REQUIREMENTS:
 THE SYSTEM SHALL BE DESIGNED TO MAINTAIN A MINIMUM PRESSURE OF 20 PSI (140
 KPA) AT GROUND LEVEL AT ALL POINTS IN THE DISTRIBUTION SYSTEM UNDER ALL
 CONDITIONS OF FLOW. THE NORMAL WORKING PRESSURE IN THE DISTRIBUTION
 SYSTEM SHOULD BE APPROXIMATELY 60 TO 80 PSI (410 TO 550 KPA) AND SHALL NOT
 BE LESS THAN 35 PSI (240 KPA) UNLESS OTHERWISE APPROVED BY THE REVIEWING
 AUTHORITY.

PAY ITEM NOTES:
 WATERLINE FITTINGS & APPURTENANCES - COST OF FITTINGS, APPURTENANCES, AND
 JOINT RESTRAINT SYSTEMS REQUIRED FOR INSTALLATION OF 3, 4, AND 6 INCH
 WATERLINES DEPICTED ON THE PLANS TO BE INCLUDED IN THE UNIT PRICES FOR
 WATERLINE PAY ITEMS.

FIRE HYDRANT ASSEMBLY - COST OF FIRE HYDRANT ASSEMBLY TO INCLUDE VALVE,
 VALVE BOX SETTING, CONNECTION TO WATERLINE, PIPE BETWEEN VALVE AND
 HYDRANT, AND THRUST BLOCK AS SHOWN ON DETAIL SHEETS.

ROADWAY SURFACE RESTORATION - THE COST OF RESTORING ROADWAY SURFACES
 DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE INCLUDED IN THE UNIT PRICES FOR
 WATERLINE PAY ITEMS.

REVISION ▲

EROSION AND SEDIMENTATION CONTROL
 CLEARING AND GRUBBING SHALL COMMENCE WHEN THE CONTRACTOR IS
 PREPARED TO START CONSTRUCTION.

PROPERLY INSTALL EROSION CONTROLS (E.G., SILT FENCES, STRAW BALES, ETC.)
 ON SLOPES, ALONG STREAMS AND DRAINAGE WAYS, AROUND DRAINAGE
 STRUCTURES, AND ANYWHERE ELSE THAT EXPOSED SOIL COULD RUN OFF. ALL
 SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO STARTING
 CONSTRUCTION.

SITE STAGING AREAS IN LOCATIONS THAT REQUIRE NO OR LITTLE CLEARING AND
 THAT ARE DISTANT FROM STREAM BANKS. IF THIS IS UNAVOIDABLE, APPROVAL OF
 THE STAGING AREA BY OHIO EPA, DIVISION OF ENVIRONMENTAL AND FINANCIAL
 ASSISTANCE IS NECESSARY.

PROTECT STOCKPILED TOPSOIL WITH SILT BARRIERS, TEMPORARY SEEDING, OR
 A COVERING SUCH AS WITH ANCHORED STRAW MULCH.

REMOVE ONLY THOSE TREES, SHRUBS, AND GRASSES THAT MUST BE REMOVED
 FOR CONSTRUCTION; PROTECT THE REST TO PRESERVE THEIR AESTHETIC,
 HABITAT, AND EROSION CONTROL VALUES.

AS CONSTRUCTION IS COMPLETED, PERMANENTLY STABILIZE EACH DISTURBED
 AREA WITH PERENNIAL VEGETATION INSTALLED ACCORDING TO NATURAL
 RESOURCES CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS.

FINAL GRADING WILL BE CONSISTENT WITH PRE-CONSTRUCTION TOPOGRAPHY
 FOR DRAINAGE AND AESTHETIC REASONS.

NO MORE THAN 200 FEET OF TRENCH SHALL BE OPEN AT ANY GIVEN TIME.
 TRENCH OPENING, PIPE LAYING, AND BACKFILLING SHOULD OCCUR SO AS TO
 MINIMIZE THE AMOUNT OF DISTURBED AREA.

UNPAVED AREAS WILL BE WET DOWN (AS NECESSARY) DURING CONSTRUCTION
 TO MINIMIZE DUST GENERATION.

IF WORK IS SUSPENDED FOR ANY REASON, THE CONTRACTOR SHALL MAINTAIN
 THE SOIL EROSION AND SEDIMENTATION CONTROLS IN GOOD OPERATING
 CONDITION DURING THE SUSPENSION OF THE WORK. ALSO, WHEN SEASONAL
 CONDITIONS PERMIT AND THE SUSPENSION OF WORK IS EXPECTED TO EXCEED A
 PERIOD OF ONE MONTH, THE CONTRACTOR SHALL PLACE TOPSOIL, FINE GRADE,
 SEED, FERTILIZE, AND MULCH ALL DISTURBED AREAS LEFT EXPOSED WHEN WORK
 IS STOPPED, AS SPECIFIED HEREIN.

WHEN WORKING ADJACENT TO A WATERWAY, THE CONTRACTOR SHALL MAINTAIN
 A BUFFER ZONE OF UNDISTURBED VEGETATION BETWEEN THE WORK AREA AND
 THE WATERWAY. IF A BUFFER ZONE OF VEGETATION CANNOT PREVENT SILTATION
 OF THE WATERWAY, SILT BARRIERS SHALL ALSO BE INSTALLED BY THE
 CONTRACTOR IN THESE AREAS TO PREVENT SEDIMENT LADEN RUNOFF FROM
 ENTERING THE WATERWAY.

INSTALL EROSION AND SEDIMENTATION CONTROL PRACTICES REFERRING TO
 NATURAL RESOURCES CONSERVATION SERVICE OR EQUIVALENT STANDARDS
 AND SPECIFICATIONS FOR PARTICULAR TECHNIQUES. THE PRACTICES ARE TO BE
 MAINTAINED IN EFFECTIVE WORKING CONDITION DURING CONSTRUCTION AND
 UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.

CONTRACTOR SHALL REMOVE DAILY ALL MUD, SOIL AND DEBRIS THAT MAY BE
 TRACKED ONTO EXISTING STREETS, DRIVES, OR WALKS BY HIS EQUIPMENT OR
 THAT OF SUBCONTRACTORS OR SUPPLIERS.

ALL MATERIALS TO BE DISPOSED OF OFF-SITE MUST BE DISPOSED OF IN AN
 ENVIRONMENTALLY SOUND MANNER IN ACCORDANCE WITH LOCAL, STATE AND
 FEDERAL REGULATIONS AT A SITE APPROVED BY THE ENGINEER. NO EXCESS
 MATERIALS ARE TO BE DISPOSED OF IN ANY WETLAND, FLOODPLAIN, SURFACE
 WATER, OR OTHER ENVIRONMENTALLY SENSITIVE AREAS. EROSION CONTROL
 MEASURES AT THE DISPOSAL SITE MUST BE INSTALLED AND MAINTAINED UNTIL
 DISPOSAL IS COMPLETE AND THE DISPOSAL SITE IS PERMANENTLY STABILIZED.
 GIVING EXCAVATED SOIL AWAY DOES NOT RELIEVE THE CONTRACTOR OR
 ENGINEER OF THIS RESPONSIBILITY.

TREES / VEGETATION PROTECTION
 TREE REMOVAL WILL BE LIMITED TO THAT NECESSARY FOR CONSTRUCTION AND
 WILL BE LIMITED FURTHER TO THE PERMANENT EASEMENT WHENEVER POSSIBLE.
 IF THE PROJECT IS LOCATED WITHIN THE RANGE OF THE
 FEDERALLY-ENDANGERED INDIANA BAT (MYOTIS SODALIS) AND TREES MUST BE
 CUT, THIS MUST OCCUR BETWEEN SEPTEMBER 30 AND APRIL 1. INDIANA BATS ARE
 HIGHLY-DEPENDENT UPON TREES INCLUDING DEAD AND DYING TREES OF
 SPECIES WITH EXFOLIATING BARK, CREVICES, OR CAVITIES IN UPLAND AREAS OR
 RIPARIAN CORRIDORS AND LIVING TREES OF THE SPECIES LISTED ABOVE WITH
 EXFOLIATING BARK, CAVITIES, OR HOLLOW AREAS FORMED FROM BROKEN
 BRANCHES OR TOPS. IF SUITABLE TREES MUST BE CUT DURING THE PROHIBITED
 TIME PERIOD, A NET SURVEY MUST BE CONDUCTED TO DETERMINE THE
 PRESENCE OR ABSENCE OF INDIANA BATS PRIOR TO CUTTING.

TREES WHICH ARE NOT REMOVED WILL BE PROTECTED BY ENSURING THAT
 TREES TO BE REMOVED ARE FELLED SO AS NOT TO INJURE THE REMAINING
 TREES.

SOIL AND OTHER MATERIAL WILL NOT BE STORED NEXT TO OR WITHIN THE
 DRIP-LINE OF TREES.

PRESERVATION OF LANDSCAPING SHOULD TAKE PRECEDENCE OVER REMOVAL. IF
 REMOVAL OR DAMAGE IS UNAVOIDABLE, EXISTING VEGETATION SHOULD BE
 REPAIRED OR REPLACED "IN-KIND" UNLESS THE HOMEOWNER SPECIFIES
 OTHERWISE.

IF TREES/SHRUBS CANNOT BE REPLACED IN THE SAME LOCATION DUE TO
 INSTALLATION OF THE SEWER SYSTEM, RELOCATION SHOULD BE CONSIDERED.

THE CONTRACTOR SHALL REPAIR ALL INJURIES TO BARK, TRUNKS, LIMBS, AND
 ROOTS OF REMAINING VEGETATION BY PROPERLY DRESSING, CUTTING, BRACING
 AND PAINTING, USING ONLY APPROVED TREE SURGERY METHODS, TOOLS, AND
 MATERIALS. WHEN ROOTS ARE DAMAGED DURING EXCAVATION, THE ABOVE
 GROUND PORTION OF THE TREE WILL BE PRUNED TO COMPENSATE. SELECTIVELY
 PRUNE TREE LIMBS PRIOR TO CONSTRUCTION ONLY IN ESTABLISHED EASEMENTS
 WHERE REMOVAL IS NECESSARY FOR OPERATION OF EQUIPMENT.

DEWATERING
 SILT FROM CONSTRUCTION OPERATIONS SHALL NOT BE PERMITTED TO ENTER
 THE STORM SEWER SYSTEM. WHEN CONSTRUCTION OCCURS NEAR STORM
 SEWER INLETS, EROSION CONTROL MEASURES SUCH AS INLET FILTERS AND
 STRAW BALES SHALL BE USED TO PREVENT SILT FROM ENTERING THE STORM
 SEWERS. IF DEWATERING IS NECESSARY, FLOWS SHOULD BE FILTERED BEFORE
 ENTERING STORM DRAINS OR STREAMS.

ARCHAEOLOGICAL / HISTORICAL RESOURCES
 CONTRACTORS AND SUBCONTRACTORS ARE REQUIRED UNDER OHIO REVISED
 CODE (O.R.C.) SECTION 149.53, TO NOTIFY OHIO'S STATE HISTORIC PRESERVATION
 OFFICE (SHPO), AND TO COOPERATE WITH THAT OFFICE IN ARCHAEOLOGICAL AND
 HISTORIC SURVEYS AND MITIGATION EFFORTS IF SUCH DISCOVERIES ARE
 UNCOVERED WITHIN THE PROJECT AREA.

CONTACT: OHIO STATE HISTORIC PRESERVATION OFFICE
 DIANA WELLING
 RESOURCE PROTECTION & REVIEW DEPARTMENT MANAGER
 PHONE: 1-614-298-2000
 EMAIL: DWELLING@OHIOHISTORY.ORG

PROHIBITED CONSTRUCTION ACTIVITIES
 DISPOSING OF EXCESS OR UNSUITABLE EXCAVATED MATERIAL IN WETLANDS OR
 FLOOD PLAINS EVEN WITH THE PERMISSION OF THE PROPERTY OWNER;

LOCATING STOCKPILE STORAGE AREAS IN ENVIRONMENTALLY SENSITIVE AREAS;

INDISCRIMINATE, ARBITRARY, OR CAPRICIOUS OPERATION OF EQUIPMENT IN ANY
 STREAMS OR STREAM CORRIDORS, ANY WETLANDS, ANY SURFACE WATERS, OR
 OUTSIDE THE EASEMENT LIMITS;

PUMPING OF SEDIMENT-LADEN WATER FROM TRENCHES OR OTHER EXCAVATIONS
 DIRECTLY INTO ANY SURFACE WATERS, ANY STREAM CORRIDORS, ANY
 WETLANDS, OR STORM SEWERS; ALL SUCH WATER WILL BE PROPERLY FILTERED
 OR SETTLED TO REMOVE SILT PRIOR TO RELEASE;

DISCHARGING POLLUTANTS SUCH AS CHEMICALS, FUELS, LUBRICANTS,
 BITUMINOUS MATERIALS, RAW SEWAGE AND OTHER HARMFUL WASTE INTO OR
 ALONGSIDE OF RIVERS, STREAMS, IMPOUNDMENTS, OR INTO NATURAL OR
 MAN-MADE CHANNELS LEADING THERETO;

DISPOSING OF TREES, BRUSH AND OTHER DEBRIS IN ANY STREAM CORRIDOR,
 ANY WETLANDS, ANY SURFACE WATERS, OR AT UNSPECIFIED LOCATIONS;

OPEN BURNING OF PROJECT DEBRIS WITHOUT A PERMIT;

DISCHARGING INJURIOUS SILICA DUST CONCENTRATIONS INTO THE ATMOSPHERE
 RESULTING FROM BREAKING, CUTTING, CHIPPING, DRILLING, BUFFING, GRINDING,
 POLISHING, SHAPING OR SURFACING CLOSER THAN 200 FEET TO PLACES OF
 RESIDENCES OR COMMERCIAL, PROFESSIONAL, QUASI-PUBLIC OR PUBLIC PLACES
 OF HUMAN OCCUPATION;

STORING CONSTRUCTION EQUIPMENT AND VEHICLES AND/OR STOCKPILING
 CONSTRUCTION MATERIALS ON PROPERTY, PUBLIC OR PRIVATE, NOT
 PREVIOUSLY SPECIFIED ON THE PLANS BY THE ENGINEER FOR SUCH PURPOSES;

RUNNING WELL POINT OR PUMP DISCHARGE LINES THROUGH PRIVATE PROPERTY
 OR PUBLIC PROPERTY AND RIGHTS-OF-WAY WITHOUT THE WRITTEN PERMISSION
 OF THE PROPERTY OWNER AND THE CONSENT OF THE ENGINEER.

OPERATIONS ENTAILING THE USE OF VIBRATORY HAMMERS OR COMPACTORS
 OUTSIDE THE HOURS OF 8:00 AM AND 5:00 PM OR OUTSIDE THE HOURS ALLOWED
 FOR CONSTRUCTION BY LOCAL ORDINANCES OR REGULATIONS; AND

CLOSING OFF CLEAR ACCESS TO ANY PUBLIC ALLEY, STREET, ROAD, AVENUE OR
 BOULEVARD WITHOUT THE PRIOR CONSENT OF MUNICIPAL OFFICIALS AND THE
 ENGINEER, AND CLOSING CLEAR ACCESS:

- BY FIRE PROTECTION EQUIPMENT AND EMERGENCY VEHICLES;
- BY THE PUBLIC TO ANY COMMERCIAL OR PROFESSIONAL PLACE OF
 BUSINESS, QUASI-PUBLIC OR PUBLIC ESTABLISHMENT, OR PLACE OF
 RESIDENCE; OR
- BY VEHICLES TO DRIVEWAYS WITHOUT THE PROVISION OF ALTERNATIVE
 MEANS OF BUILDING INGRESS AND EGRESS.

Mark J. Eicher, P.E., P.S.
 109 Graham Street
 Zanesville, Ohio 43701
ENGINEER'S OFFICE 740-454-0155

PREPARED BY:

PROJECT NAME: DOZER RIDGE ROAD WATERLINE EXTENSION

PROJECT LOCATION:

BLUE ROCK, OHIO 43720

PLANS APPROVED BY:

MJE

PLANS PREPARED BY:

GJW

DATE:

01/28/2026

REVISED:

04/09/2026

SHEET SIZE:

11" x 17"

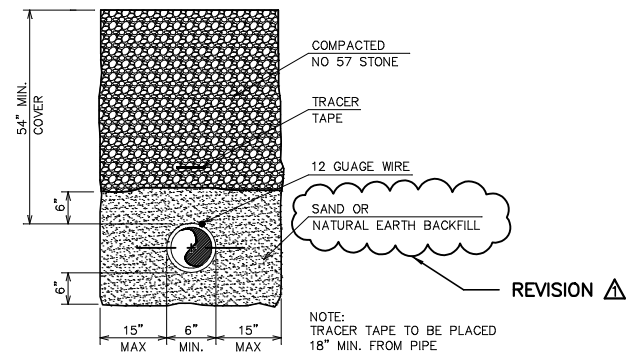
SHEET NAME:

GENERAL NOTES (2)

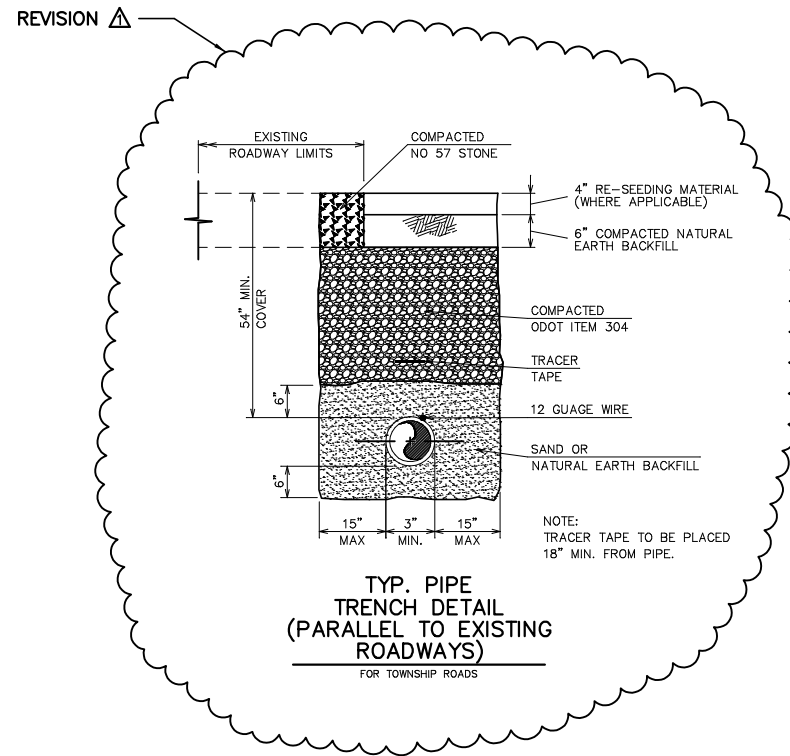
SHEET NUMBER:

05
24

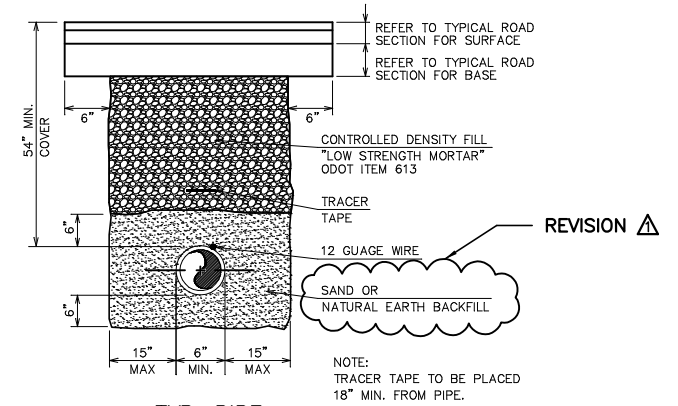
REVISION	REV. BY	DATE	DESCRIPTION
▲	GJW	04/09/2026	PAY ITEM FOOTNOTE RE: ROADWAY SURFACE RESTORATION



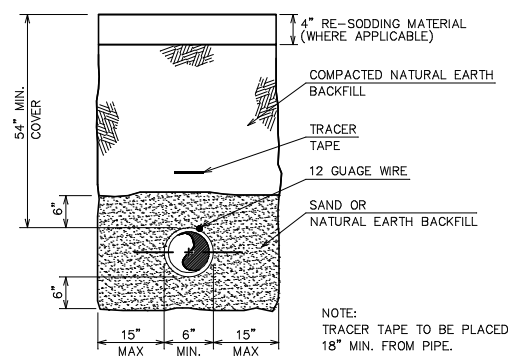
TYP. PIPE TRENCH DETAIL
NON-PAVED DRIVEWAY AREAS



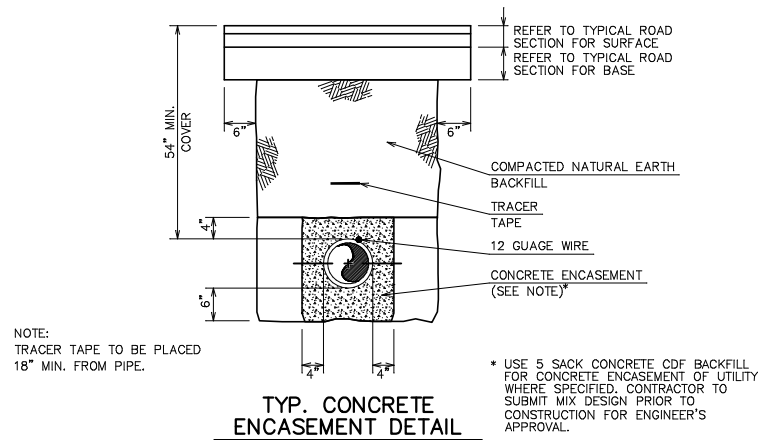
TYP. PIPE TRENCH DETAIL
(PARALLEL TO EXISTING ROADWAYS)
FOR TOWNSHIP ROADS



TYP. PIPE TRENCH DETAIL
(PAVEMENT AREAS)
FOR COUNTY ROADS AND/OR STATE ROUTES



TYP. PIPE TRENCH DETAIL
(EXIST. VEGETATION AREAS)



TYP. CONCRETE ENCASEMENT DETAIL

REVISION	REV. BY	DATE	DESCRIPTION
△	GJW	04/09/2026	UPDATED WATERLINE BACKFILL REQUIREMENTS; TRENCH DETAIL FOR PIPE INSTALLATIONS PARALLEL TO EXISTING TOWNSHIP ROADWAYS

1 1/2" ASPHALT CONCRETE SURFACE COURSE*
2 1/2" ASPHALT CONCRETE INTERMEDIATE COURSE*
6" AGGREGATE BASE*

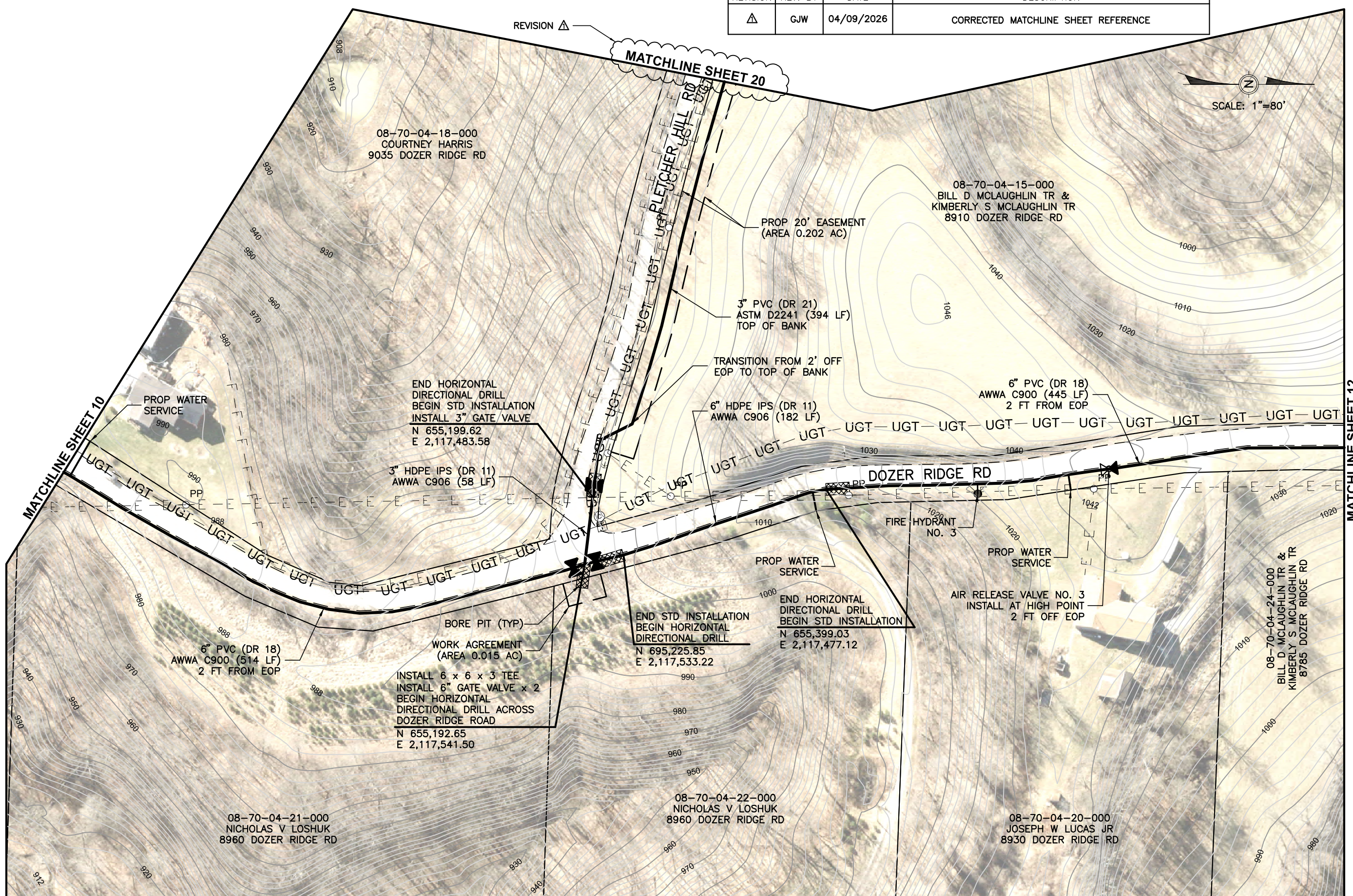
TYPICAL ROAD SECTION
FOR PAVEMENT REPAIR AREAS

* CONTRACTOR MAY SUBSTITUTE ASPHALT/AGGREGATE BASE WITH 8" CLASS C CONCRETE (4000 PSI) WITH WELDED WIRE MESH 6x6 W1.4xW1.4 (10 GAGE)

REVISION	REV. BY	DATE	DESCRIPTION
△	GJW	04/09/2026	CORRECTED MATCHLINE SHEET REFERENCE

REVISION △

MATCHLINE SHEET 20



MATCHLINE SHEET 10

MATCHLINE SHEET 12

08-70-04-18-000
COURTNEY HARRIS
9035 DOZER RIDGE RD

08-70-04-15-000
BILL D MCLAUGHLIN TR &
KIMBERLY S MCLAUGHLIN TR
8910 DOZER RIDGE RD

PROP 20' EASEMENT
(AREA 0.202 AC)

3" PVC (DR 21)
ASTM D2241 (394 LF)
TOP OF BANK

TRANSITION FROM 2' OFF
EOP TO TOP OF BANK

6" HDPE IPS (DR 11)
AWWA C906 (182 LF)

6" PVC (DR 18)
AWWA C900 (445 LF)
2 FT FROM EOP

PROP WATER
SERVICE

END HORIZONTAL
DIRECTIONAL DRILL
BEGIN STD INSTALLATION
INSTALL 3" GATE VALVE
N 655,199.62
E 2,117,483.58

3" HDPE IPS (DR 11)
AWWA C906 (58 LF)

DOZER RIDGE RD

FIRE HYDRANT
NO. 3

PROP WATER
SERVICE

PROP WATER
SERVICE

AIR RELEASE VALVE NO. 3
INSTALL AT HIGH POINT
2 FT OFF EOP

6" PVC (DR 18)
AWWA C900 (514 LF)
2 FT FROM EOP

BORE PIT (TYP)

WORK AGREEMENT
(AREA 0.015 AC)

INSTALL 6 x 6 x 3 TEE
INSTALL 6" GATE VALVE x 2
BEGIN HORIZONTAL
DIRECTIONAL DRILL ACROSS
DOZER RIDGE ROAD
N 655,192.65
E 2,117,541.50

END STD INSTALLATION
BEGIN HORIZONTAL
DIRECTIONAL DRILL
N 695,225.85
E 2,117,533.22

END HORIZONTAL
DIRECTIONAL DRILL
BEGIN STD INSTALLATION
N 655,399.03
E 2,117,477.12

08-70-04-24-000
BILL D MCLAUGHLIN TR &
KIMBERLY S MCLAUGHLIN TR
8785 DOZER RIDGE RD

08-70-04-21-000
NICHOLAS V LOSHUK
8960 DOZER RIDGE RD

08-70-04-22-000
NICHOLAS V LOSHUK
8960 DOZER RIDGE RD

08-70-04-20-000
JOSEPH W LUCAS JR
8930 DOZER RIDGE RD

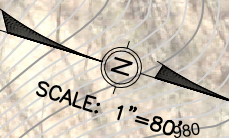
Mark J. Eicher, P.E., P.S.
109 Graham Street
Zanesville, Ohio 43701
740-454-0155

PREPARED BY:
Muskingum
COUNTY
ENGINEER'S OFFICE
PROJECT NAME:
DOZER RIDGE ROAD WATERLINE EXTENSION
PROJECT LOCATION:
BLUE ROCK, OHIO 43720

PLANS APPROVED BY:
MJE
PLANS PREPARED BY:
GJW
DATE:
02/12/2026
REVISED:
04/09/2026
SHEET SIZE:
11" x 17"
SHEET NAME:
PLAN SHEET (4)
SHEET NUMBER:

REVISION	REV. BY	DATE	DESCRIPTION
△	GJW	04/09/2026	CORRECTED MATCHLINE SHEET REFERENCE

NOTES:
TRANSITION WATER LINE FROM 2 FT TO 5 FT
OFF EOP PRIOR TO MOODY HOLLOW ROAD.



MATCHLINE SHEET 12

MATCHLINE SHEET 14

6" HDPE IPS (DR 11)
AWWA C906 (216 LF)

FIRE HYDRANT
NO. 4

08-70-04-24-000
BILL D MCLAUGHLIN TR &
KIMBERLY S MCLAUGHLIN TR
8785 DOZER RIDGE RD

END HORIZONTAL
DIRECTIONAL DRILL
BEGIN STD INSTALLATION
N 657,137.27
E 2,117,458.79

08-70-04-12-000
BILL D MCLAUGHLIN TR &
KIMBERLY S MCLAUGHLIN TR
DOZER RIDGE RD

08-70-04-11-000
BILL D MCLAUGHLIN TR &
KIMBERLY S MCLAUGHLIN TR
8785 DOZER RIDGE RD

AIR RELEASE VALVE NO. 6
INSTALL AT HIGH POINT
4.5 FT OFF EOP
SEE NOTES ALSO

6" PVC (DR 18)
AWWA C900 (241 LF)
4.5 FT FROM EOP

08-70-04-24-000
BILL D MCLAUGHLIN TR &
KIMBERLY S MCLAUGHLIN TR
8785 DOZER RIDGE RD

INSTALL 6" GATE VALVE
INSTALL 6 x 6 x 3 TEE
BEGIN HORIZONTAL
DIRECTIONAL DRILL ACROSS
MOODY HOLLOW ROAD
INSTALL 90° ELBOW
INSTALL 3" GATE VALVE
N 657,321.03
E 2,117,614.27

3" PVC (DR 21)
ASTM D2241 (220 LF)
2 FT FROM EOP

6" HDPE IPS (DR 11)
AWWA C906 (89 LF)

BORE PIT (TYP)

PROP WATER
SERVICE

END HORIZONTAL
DIRECTIONAL DRILL
BEGIN STD INSTALLATION
INSTALL 6" GATE VALVE
N 657,408.67
E 2,117,622.23

6" PVC (DR 18)
AWWA C900 (728 LF)
3 FT FROM EOP

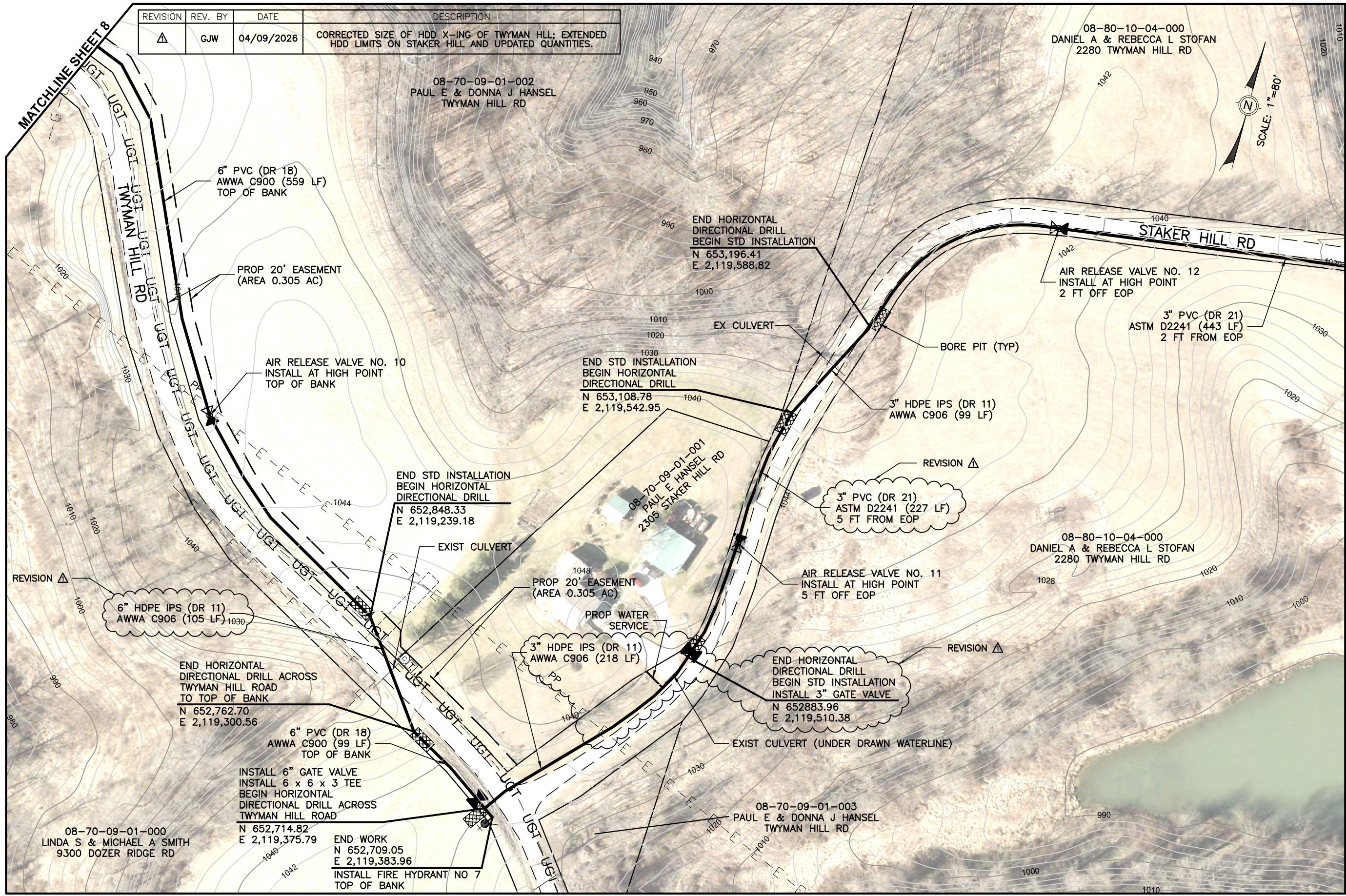
08-70-04-28-000
JASON J & JANIE G DUSEL
8774 DOZER RIDGE RD

08-70-04-28-001
BILL D MCLAUGHLIN TR &
KIMBERLY S MCLAUGHLIN TR
DOZER RIDGE RD

REVISION △

MATCHLINE SHEET 21

REVISION	REV. BY	DATE	DESCRIPTION
△	GJW	04/09/2026	CORRECTED SIZE OF HDD X-ING OF TWYMAN HLL; EXTENDED HDD LIMITS ON STAKER HILL AND UPDATED QUANTITIES.



MATCHLINE SHEET 18

Mark J. Eicher, P.E., P.S.
Muskingum
 COUNTY ENGINEER'S OFFICE
 109 Graham Street
 Zanesville, Ohio 43701
 740-454-0155

PROJECT NAME: DOZER RIDGE ROAD WATERLINE EXTENSION
 PROJECT LOCATION: BLUE ROCK, OHIO 43720

PLANS APPROVED BY: MJE

PLANS PREPARED BY: GJW

DATE: 02/12/2026

REVISED: 04/09/2026

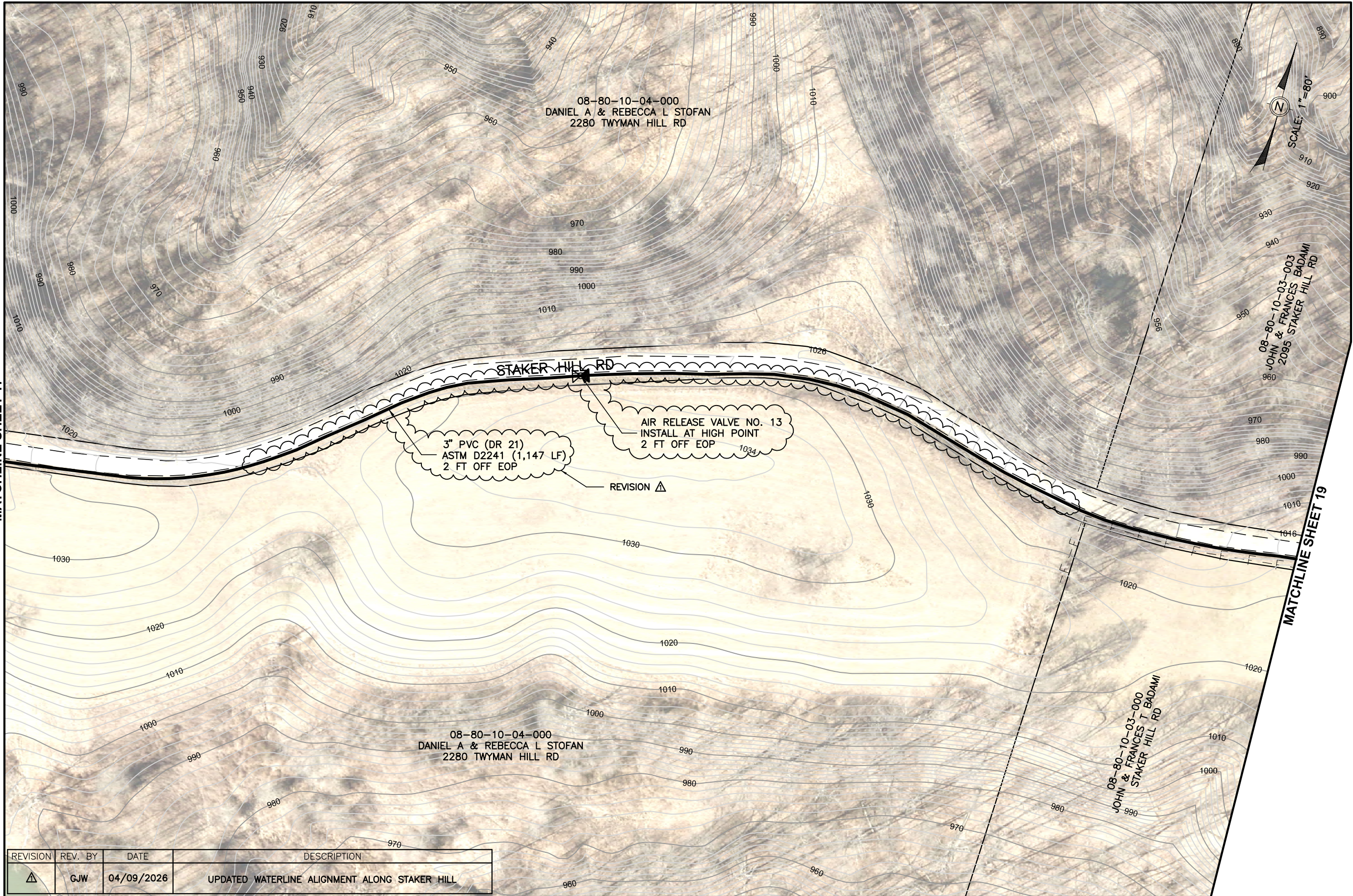
SHEET SIZE: 11" x 17"

SHEET NAME: PLAN SHEET (10)

SHEET NUMBER: 17 / 24

MATCHLINE SHEET 17

MATCHLINE SHEET 19



REVISION	REV. BY	DATE	DESCRIPTION
▲	GJW	04/09/2026	UPDATED WATERLINE ALIGNMENT ALONG STAKER HILL

Mark J. Eicher, P.E., P.S.
109 Graham Street
Zanesville, Ohio 43701
Muskingum
COUNTY
ENGINEER'S OFFICE 740-454-0155

PREPARED BY:

PROJECT NAME: DOZER RIDGE ROAD WATERLINE EXTENSION

PROJECT LOCATION:

BLUE ROCK, OHIO 43720

PLANS APPROVED BY:

MJE

PLANS PREPARED BY:

GJW

DATE:

01/28/2026

REVISED:

04/09/2026

SHEET SIZE:

11" x 17"

SHEET NAME:

PLAN SHEET (11)

SHEET NUMBER:

18
24