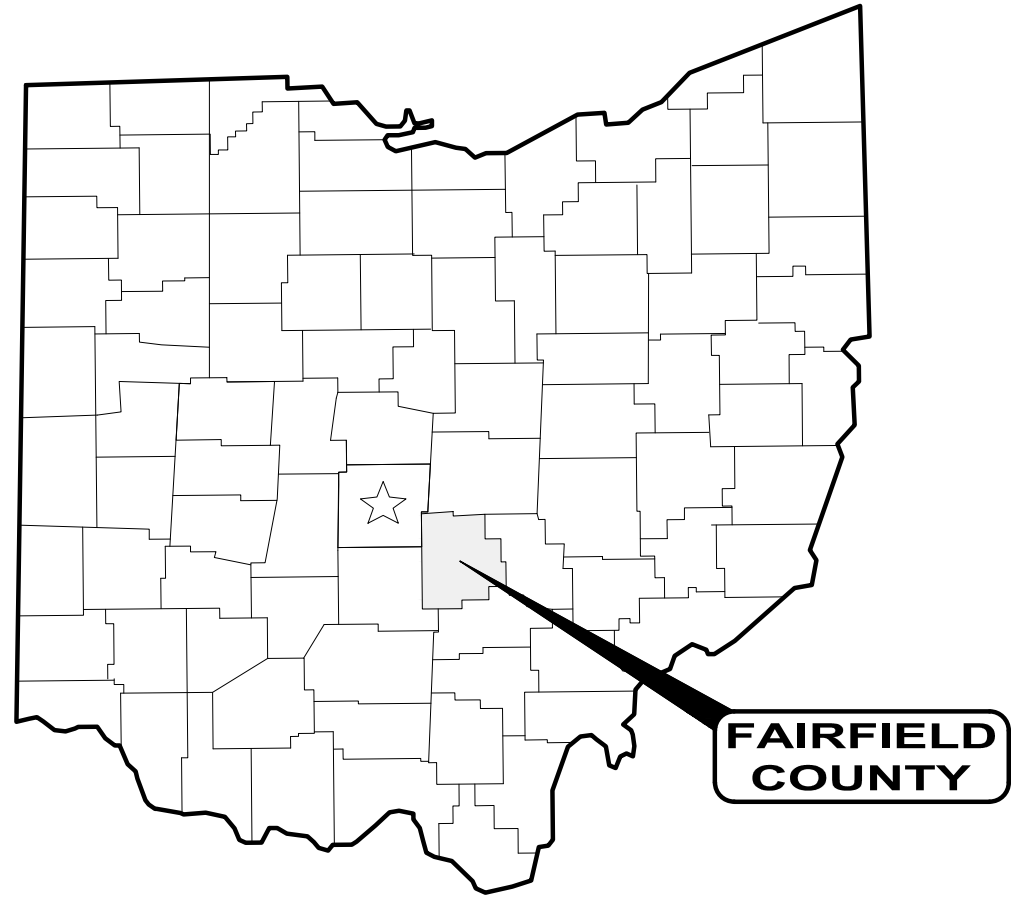




MAPLE & OAK STREET WATERLINE IMPROVEMENTS

VILLAGE OF THURSTON

FAIRFIELD COUNTY, OHIO

2025



LOCATION MAP
NTS

BENCH MARKS (NAVD 1988)		
NO.	DESCRIPTION	ELEV
BM1	CHISELED X IN SANITARY SEWER MANHOLE LID.	874.27
BM2	NAIL EMBEDDED IN POWER POLE ON SW SIDE	875.56

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* LINED OUT SHEETS HAVE BEEN OMITTED FROM THE BID SET



INDEX MAP
200' 0' 200'
SCALE: 1" = 200'

OWNER
VILLAGE OF THURSTON 2215 MAIN ST PO BOX 188 THURSTON, OH 43157 PHONE: 740-862-6003 CONTACT: GINA MATOS, MAYOR

ENGINEER
VERDANTAS 6397 EMERALD PARKWAY, SUITE 200 DUBLIN OH, 43016 PHONE: 614-793-8777 CONTACT: BARBARA R. ANDERSON EMAIL: BANDERSON@VERDANTAS.COM

CONSTRUCTION PLAN APPROVALS:

Carly Sparrow 5-9-25
CARLY SPARROW, VILLAGE ADMINISTRATOR DATE

APPROVAL OF THESE PLANS DOES NOT CONSTITUTE ASSURANCE TO OPERATE AS INTENDED. THE REVIEWER DOES NOT ACCEPT RESPONSIBILITY FOR THE INTEGRITY OF THE PLANS.

DESIGN ENGINEER:

THIS IS TO CERTIFY THAT GOOD ENGINEERING PRACTICES HAVE BEEN UTILIZED IN THE DESIGN OF THIS PROJECT AND THAT ALL MINIMUM STANDARDS FOR FAIRFIELD COUNTY, 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.

Barbara R. Anderson
BARBARA R. ANDERSON, P.E. NO. E-51761
5/9/2025
DATE



BID SET

verdantas

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	9/1/2026	1	REVISED PER OEPA COMMENTS	6/18/25
SCALE:	AS NOTED	2	REVISED PER OEPA COMMENTS	8/19/25
DESIGNED BY:	BRA	3	SET LIMITS REVISED FOR BIDDING	9/1/26
DRAWN BY:	AGD	4	REVISED PER RAILROAD COMMENTS	9/9/26
CHECKED BY:	BRA			

VILLAGE OF THURSTON
MAPLE STREET & OAK STREET WATERLINE
FAIRFIELD COUNTY, OHIO

COVER SHEET

PROJECT NO.	
240915	
DISCIPLINE	
GENERAL	
SHEET NAME	
COVR-SHT	
SHEET	OF
1	11

GENERAL NOTES:

CONTRACTOR:

THE TERM CONTRACTOR IN THESE DOCUMENTS REFERS TO THE GENERAL CONTRACTOR, ALL SUB-CONTRACTORS, SUPPLIERS AND SERVICE SUPPLIERS, SUPPLYING SERVICES, MATERIAL, OR LABOR DIRECTLY OR INDIRECTLY TO THIS PROJECT.

CERTIFICATION: BY SUBMITTING A BID, OR STARTING CONSTRUCTION, THE CONTRACTOR CERTIFIES THAT:

- HE HAS VISITED THE SITE AND IS SATISFIED THAT HE UNDERSTANDS ALL SITE CONDITIONS THAT MAY HAVE AN AFFECT ON HIS PRICE AND CONSTRUCTION SCHEDULE.
- FURTHERMORE THE CONTRACTOR FULLY UNDERSTANDS THE MAKE-UP, CONSTRUCTION, AND OPERATION OF ALL SYSTEMS AND EQUIPMENT HE IS CONSTRUCTING AND THAT HE HAS INCLUDED IN HIS PRICE ALL MATERIALS, SUPPLIES, ACCESSORIES, AND SERVICES NECESSARY TO MAKE THESE SYSTEMS COMPLETE AND OPERATIONAL, WHETHER SUCH MATERIALS, SUPPLIES, AND SERVICES ARE EXPLICITLY SHOWN ON THE DRAWINGS OR INCLUDED IN THESE SPECIFICATIONS, OR ONLY IMPLIED BY THE CLEAR INTENT OF THESE DOCUMENTS FOR THE CONTRACTOR TO PROVIDE A COMPLETE AND FULLY OPERATIONAL SYSTEM AS PART OF THE SCOPE OF WORK UNDERTAKEN BY THIS CONTRACTOR.

PERMITS:

THE OWNER SHALL PROVIDE AN OHIO EPA PERMIT TO INSTALL IF REQUIRED FOR THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ANY OTHER PERMITS REQUIRED FOR CONSTRUCTION.

THIS WORK REQUIRES CONSTRUCTION WITHIN RIGHT OF WAY CONTROLLED BY NORFOLK SOUTHERN CORPORATION. ALL WORK PERFORMED WITHIN THIS AREA SHALL BE IN STRICT ACCORDANCE WITH THE ASSOCIATED PERMIT. THE OWNER SHALL OBTAIN THE PERMIT FOR THE LOCATION. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING INSURANCE RELATED TO WORK ON PROPERTY OWNED BY THE RAILROAD.

THE OWNER SHALL COORDINATE WITH ODOT FOR PERMITS ASSOCIATED WITH WORK WITHIN STATE RIGHT OF WAY.

RESPONSIBILITY:

THE OWNER AND/OR ENGINEER DO NOT SUPERVISE, NOR ARE THEY ENGAGED IN CONSTRUCTION. THE OWNER AND/OR ENGINEER HAVE NO CONTROL OVER OR CHARGE OF, AND THEREFORE ARE NOT RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THESE ACTIVITIES ARE SOLELY THE CONTRACTOR'S RESPONSIBILITY UNDER THE CONTRACT FOR CONSTRUCTION.

MSDS SHEETS:

MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL PRODUCTS AND/OR BUILDING MATERIALS THAT MAY CONTAIN HAZARDOUS OR TOXIC CHEMICALS SHALL BE MADE READILY AVAILABLE TO CONTRACTOR EMPLOYEES. THE ENGINEER AND OWNER'S PERSONNEL DURING CONSTRUCTION. MSDS SHALL BE FORWARDED TO THE ENGINEER AT THE START OF AND DURING CONSTRUCTION AND TO OWNER UPON COMPLETION OF PROJECT.

MAINTAINING TRAFFIC:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING AND CONTROLLING TRAFFIC ON ALL STREETS AND ROADS AFFECTED BY CONSTRUCTION AND SHALL, PRIOR TO ANY CONSTRUCTION, SUBMIT A CONSTRUCTION SCHEDULE TO THE OWNER FOR APPROVAL INDICATING DATES AND DURATION OF EACH PHASE OF CONSTRUCTION.

ALL CONSTRUCTION SIGNS AND TEMPORARY TRAFFIC CONTROL AND PROTECTION DEVICES SHALL BE ERECTED AND MAINTAINED IN ACCORDANCE WITH "OHIO DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND ODOT ITEM 614 - MAINTAINING TRAFFIC.

MAINTENANCE OF TRAFFIC OPERATIONS MUST ADHERE TO ALL REGULATIONS AND/OR MANDATES BY THE APPROPRIATE MAINTAINING AUTHORITY OF THE ROADWAY.

LOCAL TRAFFIC SHALL HAVE ACCESS TO THEIR RESPECTIVE PROPERTIES AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DRIVEWAY REPLACEMENT WITH PROPERTY OWNERS AND PROVIDE THEM SUFFICIENT PRIOR NOTICE BEFORE CLOSING ANY PRIVATE DRIVES. NO PRIVATE DRIVES MAY BE CLOSED FOR MORE THAN THREE (3) CONSECUTIVE HOURS AND SHALL BE OPEN TO TRAFFIC AT THE END OF EACH WORKING DAY. NO SEPARATE PAYMENT WILL BE MADE.

THE CONTRACTOR SHALL GIVE SUFFICIENT PRIOR NOTICE TO PROPERTY OWNERS BEFORE CLOSING ANY PRIVATE DRIVES. NO PRIVATE DRIVES MAY BE CLOSED FOR MORE THAN SEVEN (7) CONSECUTIVE HOURS AND SHALL BE OPEN TO TRAFFIC AT EACH END OF EACH WORKING DAY. NO SEPARATE PAYMENT WILL BE MADE FOR MAINTAINING TRAFFIC

TEMPORARY SURFACES:

TEMPORARY SURFACES WHERE EXCAVATIONS ARE LOCATED IN STREETS, DRIVES AND PARKING AREAS SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR AND SHALL BE FULLY MAINTAINED TO MINIMIZE INCONVENIENCE TO THE PUBLIC.

CLEANING STREETS AND ROADWAYS:

BEFORE THE WORK HEREIN SPECIFIED IS ACCEPTED, THE CONTRACTOR SHALL, UPON NOTICE FROM THE ENGINEER, THOROUGHLY CLEAN ALL STREETS, ROADS, SIDEWALKS, DRIVEWAYS AND LAWNS FREE FROM ALL DEBRIS AND DIRT ACCUMULATING FROM CONSTRUCTION WORK, AND ON ALL IMPROVED STREETS AND ROADS, AND SHALL COMPLETELY SHAPE UP THE ENTIRE ROADWAY WITHIN THE LIMITS OF THE HEREIN SPECIFIED WORK.

THE NOTICE TO CLEAN AND SHAPE UP THE STREETS OR ROADWAYS WILL ORDINARILY BE GIVEN AS SOON AS THE WORK REACHES SUBSTANTIAL COMPLETION. UPON COMPLETION OF SAID CLEAN UP TO THE SATISFACTION OF THE OWNER, THE CONTRACTOR SHALL BE RELIEVED FROM FURTHER RESPONSIBILITY FOR THE CONDITION OF THE STREETS, EXCEPTING SUCH CONDITIONS AS MAY BE TRACEABLE TO THE SETTLEMENT OF THE FILL OVER THE WORK OR THEIR APPURTENANCES, OR FOR ANY DAMAGE TRACEABLE TO SUCH SETTLEMENT.

THE CONTRACTOR WILL BE REQUIRED TO REMOVE DIRT ACCUMULATING FROM HIS OPERATIONS UPON THE SAID STREET, OR UPON INTERSECTING STREETS, LAWNS OR SIDEWALKS. AS OFTEN AS MAY BE ORDERED BY THE OWNER, WHEN THE WORK IS FINALLY COMPLETED AND BEFORE ITS FINAL ACCEPTANCE, THE CONTRACTOR UPON WRITTEN ORDER FROM THE OWNER SHALL THOROUGHLY CLEAN THE WHOLE OF SAID STREET OR STREETS TO THE SATISFACTION OF THE OWNER. NO EXTRA PAYMENT WILL BE MADE FOR THE WORK INVOLVED IN CLEANING THE STREETS.

DEWATERING:

THE CONTRACTOR SHALL, AT ALL TIMES DURING CONSTRUCTION, PROVIDE PROPER AND SATISFACTORY MEANS AND DEVICES FOR THE REMOVAL OF ALL WATER ENTERING THE EXCAVATIONS AND SHALL REMOVE ALL SUCH WATER AS FAST AS IT MAY COLLECT IN SUCH A MANNER AS SHALL NOT INTERFERE WITH THE EXECUTION OF THE WORK.

ESTIMATED QUANTITIES:

THE CONTRACTOR SHALL PERFORM ALL ITEMS OF WORK CALLED FOR ON THE DRAWINGS FOR WHICH NO SPECIFIC METHOD OF PAYMENT IS PROVIDED, AND THE COST OF THE SAME SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS RELATED ITEMS.

UNDERGROUND UTILITIES:

THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE AS OBTAINED FROM THE OWNERS OF THE UTILITY AS REQUIRED BY O.R.C SECTION 153.64. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE THE UTILITY AS TO LINE AND GRADE BEFORE STARTING ANY OPERATION THAT MAY INTERFERE WITH THE UTILITY.

AT LEAST TWO WORKING DAYS PRIOR TO COMMENCING CONSTRUCTION OPERATIONS IN AN AREA WHICH MAY INVOLVE UNDERGROUND UTILITY FACILITIES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER, THE REGISTERED UTILITY PROTECTION SERVICE AND THE OWNERS OF EACH UNDERGROUND UTILITY FACILITY SHOWN IN THE DRAWINGS.

THE FOLLOWING IS A PARTIAL LIST OF UTILITY OWNERS WHO MUST BE NOTIFIED. THE CONTRACTOR SHALL COMPLY WITH THE REGULATIONS SET FORTH BY THE RESPECTIVE PUBLIC SERVICE CORPORATIONS AS LISTED:

AEP 700 MORRISON RD GAHANNA, OH 43230 (800) 277-2177	WALNUT TOWNSHIP TRUSTEES 11420 MILLERSPORT RD MILLERSPORT, OH 43046 (800) 467-2420
BELDEN & BLAKE OIL & GAS COMPANY 1748 SALTWELL RD NW DOVER, OH 44622 (330) 575-9251	OHIO OIL & GAS PRODUCERS UNDERGROUND PROTECTION SERVICE (614) 715-2984
COLUMBIA GAS 8284 COLUMBUS RD MOUNT VERNON, OH 43050 (800) 344-4077	FRONTIER COMMUNICATIONS 1300 COLUMBUS SANDUSKY RD N MARION, OH 43302 (866) 761-9972
COLUMBIA GAS TRANSMISSION, LLC 1440 MCNAUGHTEN RD COLUMBUS, OH 43232 ATTN: RICHARD STREET (800) 989-4799	VILLAGE OF THURSTON WATER/STORM 2215 MAIN ST. THURSTON, OH 43157 (740) 862-6003
SPECTRUM CABLE 11737 LANCASTER ST MILLERSPORT, OH 43046 (800) 467-9004	WALNUT CREEK SEWER DISTRICT 8125 MAPLE ST. - PO BOX 178 THURSTON, OH 43157 (740) 400-4455
	OHIO UTILITIES PROTECTION SERVICE (800) 362-2764

COOPERATION WITH UTILITIES:

THE CONTRACTOR SHALL MAINTAIN AND PROTECT ALL PUBLIC OR PRIVATE UTILITY FACILITIES DURING CONSTRUCTION. SHOULD IT BECOME NECESSARY TO MOVE, ADJUST, OR TEMPORARILY RELOCATE ANY SUCH FACILITY, THE WORK SHALL BE DONE BY THE OWNER OF THE UTILITY FACILITY. ANY DAMAGE TO UTILITY FACILITIES BY THE CONTRACTOR OR HIS SUBCONTRACTORS WILL BE REPAIRED BY THE OWNER OF SAID UTILITY, AND THE COST OF SAID REPAIRS WILL BE PAID BY THE CONTRACTOR. THE CONTRACTOR SHALL SEND PROOF OF PAYMENT TO THE UTILITY FOR THE REPAIR TO THE OWNER, PRIOR TO FINAL PROJECT CLOSEOUT.

IT IS UNDERSTOOD AND AGREED THAT THE CONTRACTOR HAS CONSIDERED IN HIS BID ALL OF THE PERMANENT AND TEMPORARY UTILITY APPURTENANCES IN THEIR PRESENT OR RELOCATED POSITIONS AND THAT NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR ANY DELAYS, INCONVENIENCE, OR DAMAGE SUSTAINED BY HIM DUE TO ANY INTERFERENCE FROM THE SAID UTILITY APPURTENANCES OR THE OPERATION OF MOVING THEM.

PROJECT SAFETY:

THE CONTRACTOR AND SUBCONTRACTORS SHALL BE SOLELY RESPONSIBLE FOR COMPLYING WITH ALL FEDERAL, STATE AND LOCAL SAFETY REQUIREMENTS, INCLUDING THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, 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 TO INITIATE, MAINTAIN AND SUPERVISE ALL SAFETY REQUIREMENTS, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR SHALL ALSO ABIDE BY ALL ORDINANCES OF THE GOVERNING MUNICIPALITY.

BACKFILLING SHALL FOLLOW IMMEDIATELY BEHIND PIPE CONSTRUCTION AND ONLY THE MINIMUM LENGTH OF TRENCH REQUIRED FOR CONSTRUCTION SHALL BE OPEN AT ANY GIVEN TIME. NO EXCAVATION SHALL REMAIN OPEN OVERNIGHT OR BEYOND THE COMPLETION OF THE DAYS WORK.

SUBSURFACE CONDITIONS:

IT IS THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO MAKE HIS OWN INVESTIGATIONS OF SUBSURFACE CONDITIONS PRIOR TO SUBMITTING HIS BID FOR THE PROJECT. THE CONTRACTOR MAY EXAMINE ANY EXISTING RECORDS OF BORINGS, TESTS EXCAVATIONS AND OTHER SUBSURFACE INVESTIGATIONS FOR HIS OWN INFORMATION, ANY AVAILABLE RECORDS OF BORINGS, TEST EXCAVATION, OR OTHER SUBSURFACE INVESTIGATIONS ARE CONSIDERED INCOMPLETE AND ARE NOT A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR AGREES THAT HE WILL MAKE NO CLAIM AGAINST THE OWNER OR THE ENGINEER, IF IN CARRYING OUT THE WORK, HE FINDS THAT THE ACTUAL SUBSURFACE CONDITIONS ENCOUNTERED DO NOT CONFORM TO THOSE INDICATED BY TEST EXCAVATIONS OR OTHER SUBSURFACE INVESTIGATIONS.

ABANDON EXISTING PIPES:

WHERE EXISTING PIPES ARE CALLED FOR ON THE PLANS TO BE PLUGGED OR ABANDONED, THE CONTRACTOR SHALL INSTALL A CONCRETE OR VITRIFIED PLUG OR SHALL FILL THE END OF THE PIPE WITH CONCRETE AS DIRECTED BY THE ENGINEER. THE COST OF PLUGGING EXISTING PIPES SHALL BE INCLUDED IN THE PRICE BID, FOR RELATED ITEMS OF WORK. NO SEPARATE PAYMENT WILL BE MADE.

EXCESS EXCAVATION MATERIAL:

ALL EXCESS MATERIAL SHALL BE DISPOSED OF OFF SITE OR STOCKPILED AS DIRECTED BY THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE RESTORATION OF ALL WASTE AREAS USED IN THE COURSE OF THIS CONTRACT. THE RESTORATION WORK SHALL INCLUDE CLEANUP, SHAPING AND GRADING AND ESTABLISHMENT OF VEGETATIVE COVER BY SEEDING AND MULCHING IN ACCORDANCE WITH ODOT SPECIFICATION ITEM 659. THE FINAL GRADING OF WASTE AREAS SHALL BE PROPERLY SLOPED TO PROVIDE DRAINAGE RUNOFF. ALL ROCKS, BOULDERS, CONCRETE CHUNKS, BROKEN PIPES, ETC. SHALL BE BURIED WITHIN THE WASTE AREA TO A DEPTH OF AT LEAST TWO (2) FEET AND SHALL NOT BE VISIBLE AT COMPLETION.

GRANULAR BACKFILL:

EXCAVATIONS AT ALL DRIVES, WALKS, PARKING AREAS AND OTHER ROADWAYS SHALL BE BACKFILLED AND COMPACTED WITH GRANULAR MATERIAL CONFORMING TO O.D.O.T. SPECIFICATION ITEM 304 - AGGREGATE BASE. ADDITIONAL GRANULAR MATERIAL SHALL BE STOCKPILED AT SELECT LOCATIONS (APPROVED BY OWNER) FOR USE WHEN SETTLEMENT OCCURS. ALL GRANULAR MATERIAL SHALL BE MECHANICALLY COMPACTED IN SIX (6) INCH LAYERS. THE COST OF ALL GRANULAR BACKFILL AND PLACEMENT SHALL BE INCLUDED IN THE PRICE BID FOR RELATED ITEMS OF WORK. SEPARATE PAYMENT WILL NOT BE MADE.

MISCELLANEOUS STORM SEWERS, FIELD TILES & DRAINS:

THE CONTRACTOR SHALL CONNECT OR REPAIR ANY DRAIN PIPE AFFECTED BY THE EXECUTION OF THIS CONTRACT.

SURVEY DATUM:

ELEVATIONS SHOWN HEREIN HAVE BEEN BASED UPON NAVD88.

SHEETING AND SHORING:

ALL SHEETING AND SHORING REQUIRED TO SUPPORT ALL TRENCHES AND EXCAVATIONS SHALL BE PROVIDED BY THE CONTRACTOR AND PAID FOR UNDER THE PRICE BID FOR RELATED ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.

FINAL GRADING:

THE FINAL GRADING OF THE COMPLETED WORK ON THIS PROJECT SHALL BE ACCOMPLISHED IN SUCH A MANNER AS TO RESTORE ALL DISTURBED AREAS, INCLUDING LAWN AREAS, DITCHES, AND OTHER AREAS ADJACENT TO BERMS AND ROADWAYS. THE DISTURBED AREAS SHALL BE FINE GRADED AND SHAPED TO A CONDITION SUITABLE TO BE SEEDED AND MULCHED. THE CONTRACTOR MUST OBTAIN THE ENGINEER'S APPROVAL OF THE FINAL GRADING PRIOR TO ANY SEEDING WORK. THE COST OF ALL WORK INVOLVED IN THE FINAL GRADING SHALL BE CONSIDERED INCIDENTAL TO OTHER VARIOUS ITEMS OF WORK IN THE CONTRACT.

ALL ROAD SIDE DITCHES DISTURBED BY CONSTRUCTION SHALL BE RECONSTRUCTED TO PROVIDE POSITIVE DRAINAGE AND SHALL BE INCLUDED WITH FINAL GRADING AND RESTORATION.

ROCK EXCAVATION REMOVAL AND DISPOSAL:

THE COST OF ALL ROCK REMOVAL AND DISPOSAL SHALL BE CONSIDERED INCIDENTAL TO THE OTHER VARIOUS WORK ITEMS. BLASTING WILL NOT BE PERMITTED. NO SEPARATE PAYMENT WILL BE MADE FOR ROCK EXCAVATION.

WORK LIMITS:

THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES TO THE PROJECT SITE UNDER DEVELOPMENT, THE EXISTING RIGHTS-OF-WAY, OR CONSTRUCTION AND PERMANENT EASEMENTS AND SHALL NOT TRESPASS UPON OTHER PRIVATE PROPERTY WITHOUT THE WRITTEN CONSENT OF THE OWNER. EXISTING PROPERTY LINES AND RIGHT OF WAY SHOWN ON THE DRAWINGS ARE CONSIDERED APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION.

EROSION AND SEDIMENTATION MEASURES:

THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT MEASURES AND PROVIDE MAINTENANCE AND INSPECTION OF SUCH MEASURES.

EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE RAINWATER AND LAND DEVELOPMENT MANUAL, CURRENT EDITION PREPARED BY OHIO DEPARTMENT OF NATURAL RESOURCES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING NECESSARY AND ADEQUATE MEASURES FOR PROPER CONTROL OF EROSION AND SEDIMENTATION RUNOFF FROM THE PROJECT AREAS ALONG WITH PROPER MAINTENANCE AND INSPECTION IN ACCORDANCE WITH THE SPECIFICATIONS.

SILTATION AND EROSION SHALL BE CONTROLLED BY MINIMIZING THE TIME THE PROJECT SITE IS DENUDED BY TEMPORARY SEEDING, PERMANENT SEEDING, AND THE USE OF VARIOUS MECHANICAL MEASURES. THESE DEVICES ARE TO BE MAINTAINED THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT. ONCE THE PROJECT AREA HAS BEEN STABILIZED, THE MECHANICAL MEASURES SHALL BE REMOVED WITH THE APPROVAL OF THE ENGINEER.

ALL MEASURES SHALL BE MAINTAINED UNTIL ALL CONSTRUCTION UNDER THE CONTRACT HAS BEEN COMPLETED AND ACCEPTED BY THE OWNER. MAINTENANCE SHALL INCLUDE ALL REPAIR TO THESE AREAS AND MEASURES DAMAGED BY EROSION, CONSTRUCTION EQUIPMENT, WEATHER, FIRE, AND/OR OTHER CAUSES INCLUDING "ACTS OF GOD."

THE CONTRACTOR SHALL REMOVE STRAW BALES AND SILT FENCE WHEN GRASS HAS BEEN ESTABLISHED AS 2" HIGH OVER DRAINAGE AREA FLOWING TO CATCH BASINS. THE ENGINEER SHALL DIRECT EROSION CONTROL AT CATCH BASINS IF REQUIRED.

TOPSOIL SHALL BE REMOVED FROM AREAS PRIOR TO CONSTRUCTION OF PAVEMENT, MOUNDING, AND EMBANKMENT AREA. TOPSOIL SHALL BE STOCKPILED FOR RE-SPREADING AS DIRECTED BY THE OWNER.

MATERIALS:

ALL WATERLINES AND FIRE HYDRANTS SHALL BE A W.W.A. APPROVED AND CONFORM WITH NSF 60/61. PIPE AND MATERIALS INCORPORATED INTO THIS PROJECT SHALL ALSO CONFORM WITH THE LATEST REVISION OF THE APPROPRIATE STANDARDS AS FOLLOWS:

PIPE:	AWWA C900
FITTINGS:	AWWA C153
VALVES:	AWWA C509
HYDRANTS:	AWWA C502
APPURTENANCES:	AWWA/NSF STANDARDS AS APPLICABLE
	ALL 6" HYDRANTS SHALL BE EQUIPPED WITH STORZ ADAPTERS ON THE STEAMER NOZZLE. ALL HYDRANTS SHALL BE MUELLER SUPER CENTURION A-423.

FITTINGS REQUIRED FOR CONSTRUCTION:

THE CONTRACTOR SHALL FURNISH ALL FITTINGS REQUIRED, WHETHER SHOWN ON THE DRAWINGS OR NOT, NECESSARY TO ACHIEVE THE DESIRED HORIZONTAL/VERTICAL ALIGNMENT AND COMPLETE CONSTRUCTION. COST FOR THE REQUIRED FITTINGS SHALL BE INCLUDED IN THE VARIOUS WATERLINE ITEMS BID.

CONCRETE BACKING:

ALL BENDS, JOINT DEFLECTIONS, AND FITTINGS SHALL BE BACKED WITH CONCRETE IN ACCORDANCE WITH THE DETAILS AND SPECIFICATIONS.

DEPTH OF COVER:

WATER MAINS SHALL BE LAID WITH A MINIMUM OF 4'-0" COVER FROM FINISHED GRADE TO THE TOP OF THE WATER MAIN.

SEPARATION FROM SEWERS:

THE MINIMUM DISTANCE BETWEEN WATERLINES AND SEWERS (STORM OR SANITARY) SHALL BE 18" VERTICALLY AND 10'-0" HORIZONTALLY. IN CASE OF CONFLICT IN GRADE, THE WATERLINE SHALL BE LOWERED DURING CONSTRUCTION. SEPARATION SHALL BE MEASURED OUT TO OUT. SEPARATION DISTANCE SHALL ALSO APPLY TO SANITARY SEWER LIFT STATIONS.

EXTENSION STEMS:

IF THE TOP OF THE OPERATING NUT FOR ANY VALVE IS MORE THAN 36" BELOW THE FINISHED GRADE, AN EXTENSION STEM SHALL BE PROVIDED TO PLACE THE OPERATING NUT BETWEEN 24" AND 36" OF THE FINISHED GRADE.

WATER FOR CONSTRUCTION:

WATER USED FOR FILLING, FLUSHING, AND TESTING WILL BE COORDINATED WITH AND SUPPLIED BY THE OWNER. IF THE CONTRACTOR REQUESTS WATER FROM A HYDRANT, THE CONTRACTOR MUST COORDINATE THAT WITH THE OWNER AND PROVIDE THE REQUIRED BACKFLOW PREVENTION DEVICE. THE OWNER SHALL PROVIDE A QUANTITY OF WATER THAT IS DEEMED REASONABLE FOR COMPLETION OF THE WORK AND MAY ADJUST THE POINT WHERE WATER IS MADE AVAILABLE AT THEIR DISCRETION.

TESTING OF WATERLINES:

THE CONTRACTOR SHALL THOROUGHLY CLEAN, FLUSH AND TEST THE WATERLINES IN ACCORDANCE WITH THE SPECIFICATIONS PRIOR TO ACCEPTANCE AND PLACEMENT OF THE LINES INTO SERVICE. ALL COSTS ASSOCIATED WITH PRESSURE AND DISINFECTION TESTING SHALL BE BORNE BY THE CONTRACTOR. TESTING LAB MUST BE APPROVED BY THE OHIO EPA. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS, TAPS AND LABOR NECESSARY TO CONDUCT TESTING. PRESSURE TESTING SHALL BE IN ACCORDANCE WITH AWWA C600 AND AWWA C605 FOR DUCTILE IRON AND PVC MAINS, RESPECTIVELY. DISINFECTION SHALL BE IN ACCORDANCE WITH AWWA C651.

INDIVIDUAL BOOSTER PUMPS:

IN ACCORDANCE WITH OAC 3745-95-07, BOOSTER PUMPS ARE PROHIBITED ON INDIVIDUAL SERVICES.

SURVEY MONUMENTS:

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 SURVEYOR REGISTERED IN THE STATE OF OHIO AT THE CONTRACTOR'S EXPENSE.

ITEMS TO BE INCLUDED:

THE CONTRACTOR SHALL FURNISH ALL TOOLS, MATERIAL, LABOR AND INCIDENTALS AND APPURTENANCES TO COMPLETE IN EVERY DETAIL AND LEAVE IN WORKING ORDER ALL ITEMS OF WORK CALLED FOR AND/OR SHOWN IN THE DRAWINGS, MATERIAL OR WORK NOT SPECIFICALLY MENTIONED OR SHOWN IN THE DRAWINGS, BUT NECESSARY TO COMPLETE THE WORK SHALL BE FURNISHED.

SURVEYS:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL DETAIL SURVEYS NEEDED FOR CONSTRUCTION.

EXISTING VALVES:

IN SCHEDULING THE WORK REQUIRED AS A PART OF THE PROJECT, THE CONTRACTOR SHALL NOTE THAT THE OPERATIONAL CONDITION OF THE EXISTING SYSTEM VALVES IS UNKNOWN.

COORDINATION WITH OWNER:

INTERRUPTION OF EXISTING WATER SERVICE IS PROHIBITED WITHOUT AUTHORIZATION BY THE OWNER. CONTRACTOR SHALL COORDINATE SYSTEM INTERRUPTIONS A MINIMUM OF 72 HOURS IN ADVANCE AND SHALL PROVIDE ASSISTANCE IN NOTIFYING AFFECTED CUSTOMERS.

EXISTING WATER SERVICES:

LOCATIONS SHOWN FOR EXISTING WATER SERVICES ARE APPROXIMATE. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO IDENTIFY LOCATIONS IN THE FIELD.

WORKING PRESSURE:

THE NORMAL WORKING PRESSURE AT ALL LOCATIONS IN THE WATERLINES SHALL NOT BE LESS THAN 35 PSI. SYSTEM OPERATION SHALL MAINTAIN A MINIMUM PRESSURE OF 20 PSI AT GROUND LEVEL AT ALL POINTS IN THE DISTRIBUTION SYSTEM UNDER ALL CONDITIONS OF FLOW.

ENDANGERED SPECIES:

THE PROJECT IS WITHIN RANGE OF THE INDIANA BAT (MYOTIS SODALIS) AND THE NORTHERN LONG-EARED BAT (MYOTIS SEPTENTRIONALIS) WHICH ARE FEDERALLY LISTED ENDANGERED SPECIES PROTECTED UNDER THE ENDANGERED SPECIES ACT. REMOVAL OF AN TREES WITH SUITABLE ROOSTING AND BROOD-REARING HABITAT FOR THE BATS (TREE SPECIES WITH EXFOLIATING, PEELING, OR LOOSE BARK, SPLIT TRUNKS AND/OR BRANCHES, OR CAVITIES) SHALL BE AVOIDED. HOWEVER, IF THERE ARE NO ALTERNATIVES TO CUTTING DOWN TREES TO IMPLEMENT THE PROJECT, REMOVAL SHALL BE PERFORMED ONLY FROM OCTOBER 1 TO MARCH 31 WHEN ENDANGERED BATS WOULD NOT BE USING SUCH HABITAT. IF THIS TIME FRAME CANNOT BE FOLLOWED, THE US FISH & WILDLIFE SERVICE MUST BE CONTACTED FOR GUIDANCE TO CONDUCT AN EMERGENCY SURVEY TO DOCUMENT THE ABSENCE OR PRESENCE OF THE BATS. IF ENDANGERED BATS ARE FOUND, FOLLOW US FISH & WILDLIFE SERVICE RECOMMENDATIONS.

ARCHAEOLOGICAL SITE:

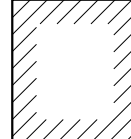
THE CONTRACTOR IS REQUIRED TO NOTIFY THE OHIO HISTORIC PRESERVATION OFFICE IN THE EVENT THAT ANY PREVIOUSLY UNKNOWN HISTORIC OR ARCHAEOLOGICAL SITES OF HUMAN REMAINS ARE UNCOVERED WHILE CONSTRUCTING THE PROJECT. THE CONTRACTOR SHALL COOPERATE WITH THOSE ENTITIES IN ARCHAEOLOGICAL AND HISTORIC SURVEYS AND SALVAGE EFFORTS IF SUCH DISCOVERIES ARE UNCOVERED WITH THE PROJECT AREA.

DUST CONTROL:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING DUST CONTROL MEASURES. DUST CONTROL OPERATIONS SHALL BE PERFORMED ON A PERIODIC BASIS TO ALLEVIATE OR PREVENT A DUST NUISANCE FROM ORIGINATING WITH THE PROJECT WORK LIMITS.

LEGEND:

	GAS	-	EXISTING GAS LINE
	SAN	-	EXISTING SANITARY SEWER LINE
	STM	-	EXISTING STORM SEWER LINE
	ELEC-UG	-	EXISTING ELECTRICAL CONDUIT LINE
	ELEC-OH	-	EXISTING ELECTRICAL OVERHEAD LINE
	WAT	-	EXISTING WATER LINE
		-	EXISTING FENCE LINE
		-	EXISTING UTILITY MANHOLE
		-	EXISTING CATCH BASIN
		-	EXISTING SANITARY MANHOLE
		-	EXISTING LIGHT POLE
		-	EXISTING POWER POLE
		-	EXISTING WATER VALVE
		-	EXISTING FIRE HYDRANT
	915	-	EXISTING CONTOUR (MAJOR)
	914	-	EXISTING CONTOUR (MINOR)
	--	-	PROPERTY LINE

	-	EXISTING BUILDING STRUCTURE
	-	PROPOSED WATER SERVICE
	-	PROPOSED CATCH BASIN
	-	PROPOSED SANITARY MH
	-	PROPOSED WATER VALVE
	-	PROPOSED FIRE HYDRANT
	-	PROPOSED CURB STOP
	-	PROPOSED REDUCER

BID SET

verdantas

VILLAGE OF THURSTON
MAPLE STREET & OAK STREET WATERLINE
FAIRFIELD COUNTY, OHIO

GENERAL NOTES

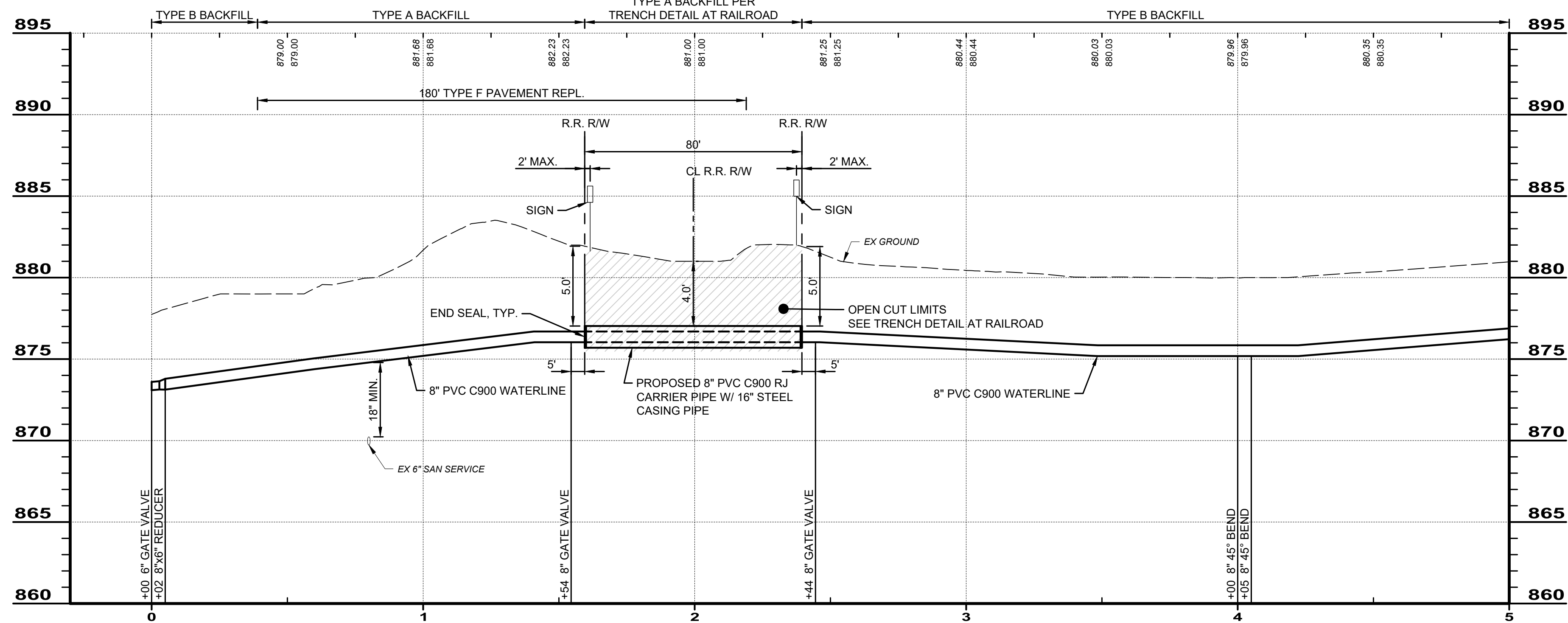
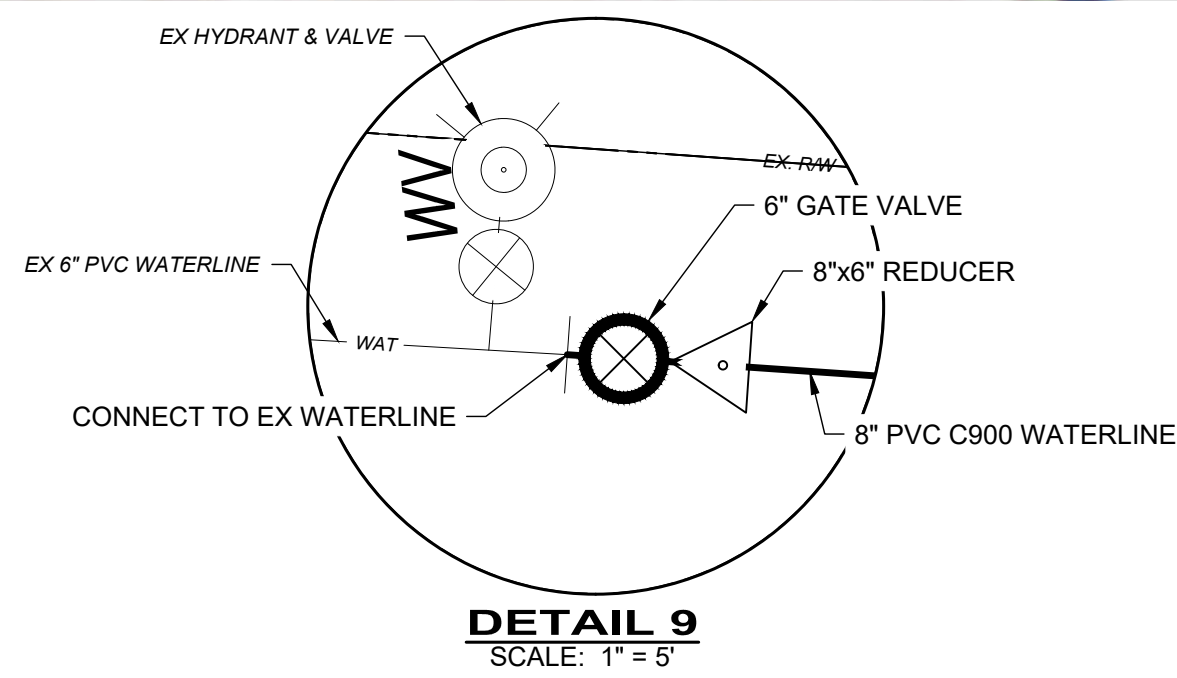
PROJECT NO.	
240915	
DISCIPLINE	
GENERAL	
SHEET NAME	
GEN-NOTE	
SHEET	OF
2	11

ISSUED FOR:		NO	REVISION	DATE
ISSUE DATE:	9/1/2026	1	REVISED PER OEPA COMMENTS	6/18/25
SCALE:	AS NOTED	2	REVISED PER OEPA COMMENTS	8/19/25
DESIGNED BY:	BRA	3	SET LIMITS REVISED FOR BIDDING	9/1/26
DRAWN BY:	AGD	4	REVISED PER RAILROAD COMMENTS	9/8/26
CHECKED BY:	BRA			

VILLAGE OF THURSTON
MAPLE STREET & OAK STREET WATERLINE
FAIRFIELD COUNTY, OHIO

5TH TO OAK ST WATERLINE PLAN & PROFILE

PROJECT NO.	
240915	
DISCIPLINE	
CIVIL	
SHEET NAME	
WAT-P&P5	
SHEET	OF
7	11



FIFTH TO OAK STREET PROFILE 1

NOTES:

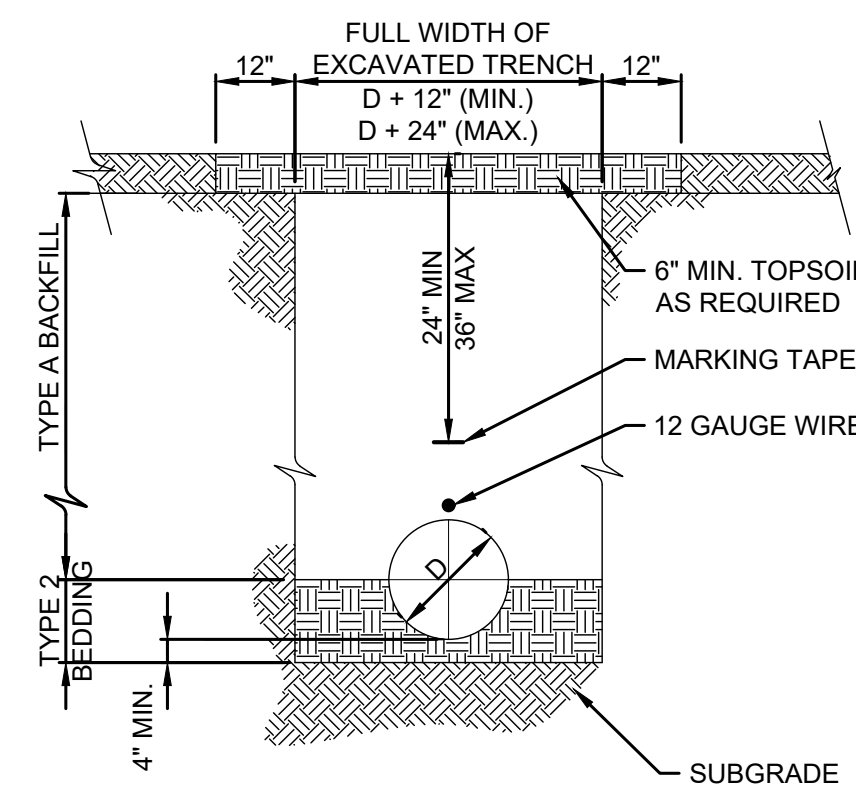
1. CROSSING IS PROPOSED FOR INSTALLATION WITH CASING.
2. EXISTING RAILROAD CORRIDOR IS ABANDONED. RAILS WITHIN THIS AREA WERE REMOVED CIRCA 1974.
3. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF NORFOLK AND SOUTHERN'S NSCE-8 SPECIFICATIONS.
4. CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS OUTLINED IN THE PERMIT OBTAINED FROM NORFOLK SOUTHERN CORPORATION.
5. BLASTING NOT PERMITTED.
6. PIPELINE AND CROSSING TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE LAST AMERICAN RAILWAY ENGINEERING AND MAINTENANCE OF WAY ASSOCIATION SPECIFICATIONS FOR PIPELINES CONVEYING FLAMMABLE AND NON-FLAMMABLE SUBSTANCES.
7. PROVIDE MANUFACTURED RUBBER CASING END SEALS AT BOTH ENDS OF CASING PIPE. END SEALS SHALL BE NEOPRENE OR EPDM WITH STAINLESS STEEL BANDS. SEAL SHALL PREVENT THE ENTRANCE OF SOIL, DEBRIS, AND SURFACE WATER INTO THE CASING ANNULUS.
8. CASING LENGTH SHALL EXTEND THE ENTIRE LENGTH OF THE RAILROAD ROW.
9. RESTRAINED JOINT PIPE SHALL EXTEND THROUGH PROPOSED CASING TO THE GATE VALVES LOCATED ON EITHER END OF THE CASING.

NOTES:

1. SIGN SHALL BE WHITE WITH BLACK LETTERING. STANDARD OVERLAY FILM SHALL BE UTILIZED.
2. SIGN SHALL BE MOUNTED ON A SINGLE, 1.12LB/FT, 7" U-CHANNEL SUPPORT. FINISHED HEIGHT OF SIGN SHALL BE 54" ABOVE GROUND.



1 SIGN DETAIL
~ SCALE: N.T.S.



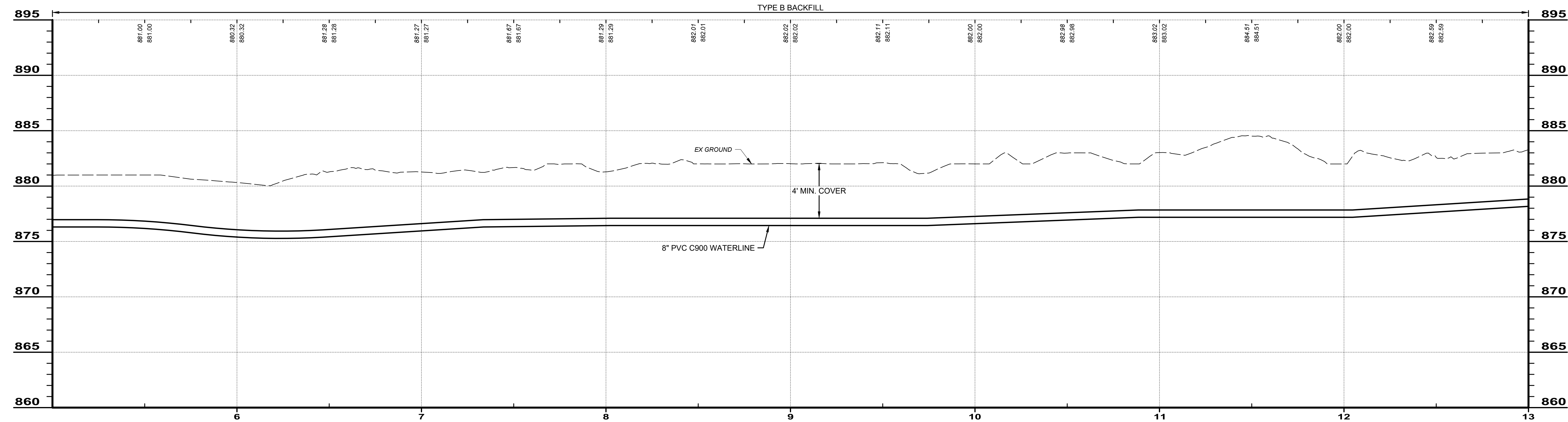
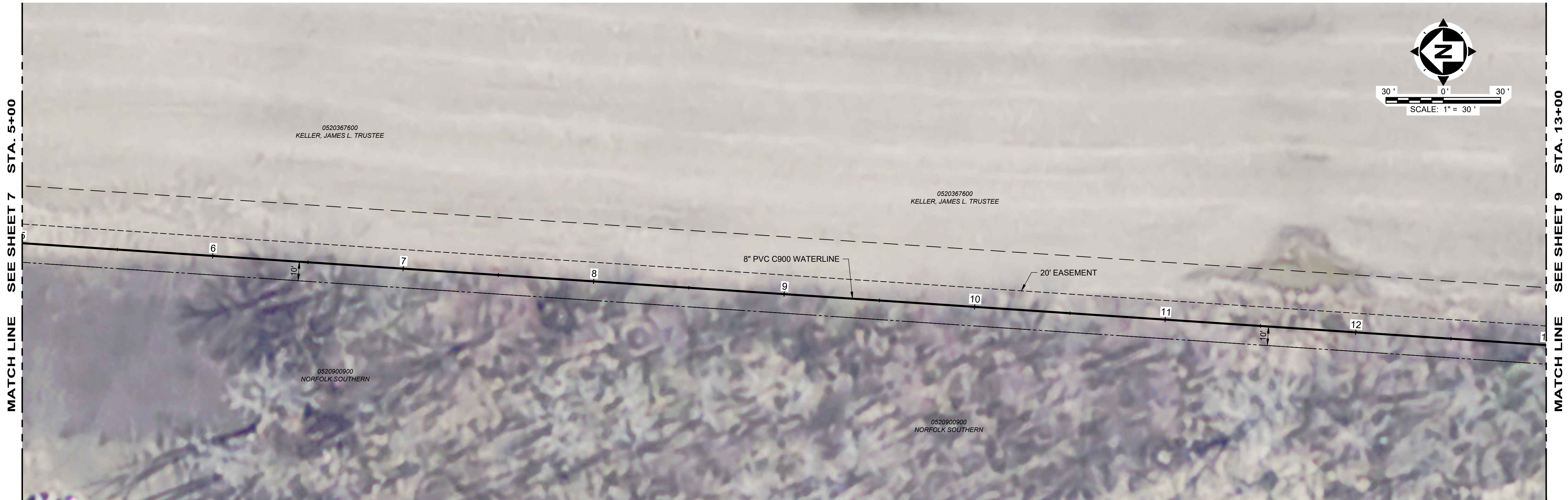
BACKFILL CLASSIFICATIONS:

TYPE A - NATURAL SOIL FREE FROM STONES LARGER THAN
2 INCHES ACROSS THEIR GREATEST
DIMENSION, TOPSOIL, VEGETATION, DEBRIS,
RUBBISH OR FROZEN MATERIAL.

BEDDING CLASSIFICATIONS:

TYPE 2 - NATIVE SOIL FREE FROM STONES LARGER THAN 2 INCHES ACROSS THEIR GREATEST DIMENSIONS, TOP SOIL, VEGETATION, DEBRIS, RUBBERISH OR FROZEN MATERIAL.

TRENCH DETAIL AT RAILROAD



FIFTH TO OAK STREET PROFILE 2

BID SET

verdantas

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	9/1/2026	1	REVISED PER OEPA COMMENTS	6/16/25
SCALE:	AS NOTED	2	REVISED PER OEPA COMMENTS	8/19/25
DESIGNED BY:	BRA	3	SET LIMITS REVISED FOR BIDDING	9/1/26
DRAWN BY:	AGD	4	REVISED PER RAILROAD COMMENTS	9/9/26
CHECKED BY:	BRA			

VILLAGE OF THURSTON
MAPLE STREET & OAK STREET WATERLINE
FAIRFIELD COUNTY, OHIO

5TH TO OAK ST WATERLINE PLAN & PROFILE

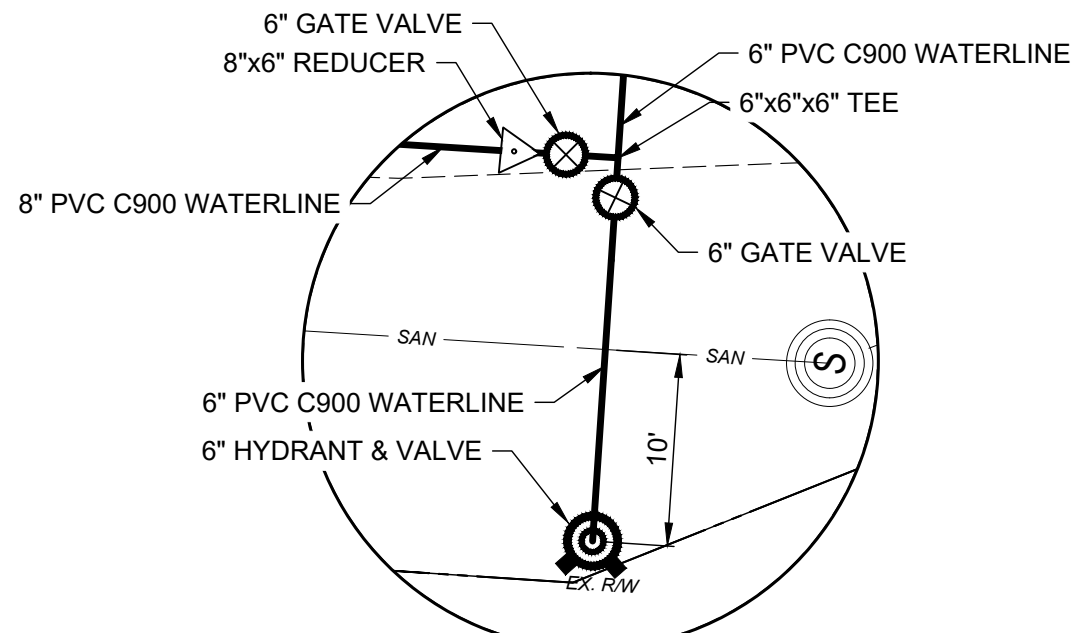
PROJECT NO. 240915	
DISCIPLINE CIVIL	
SHEET NAME WAT-P&P6	
SHEET 8	OF 11

MATCH LINE SEE SHEET 8 STA. 13+00

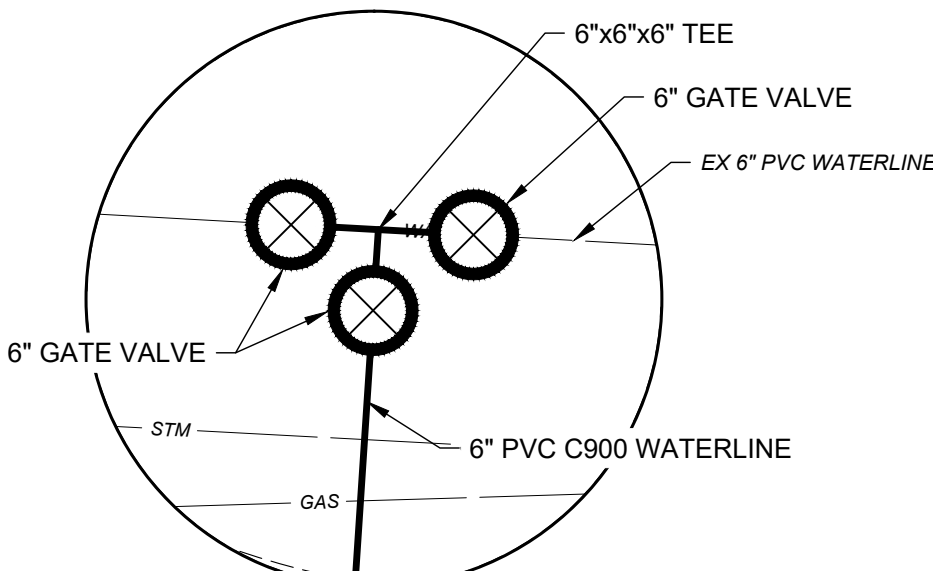


NOTES:

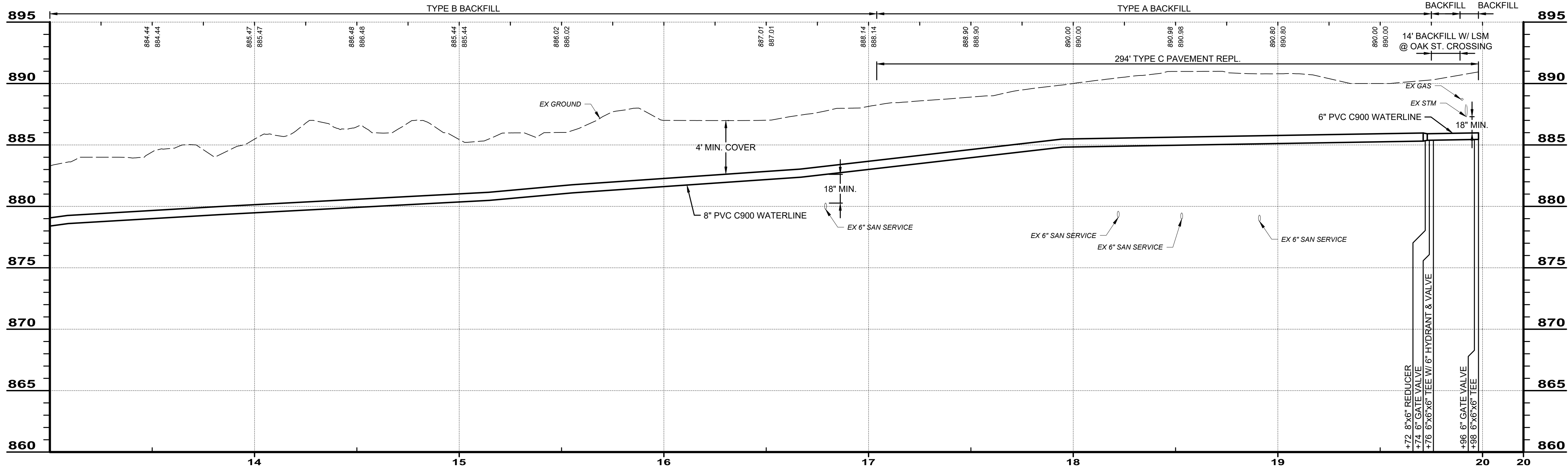
1. WATER SERVICES THIS AREA SHALL REMAIN CONNECTED TO THE EXISTING 2" WATERLINE.



DETAIL 10
SCALE: 1" = 10'



DETAIL 11
SCALE: 1" = 5'



FIFTH TO OAK STREET PROFILE 3

BID SET

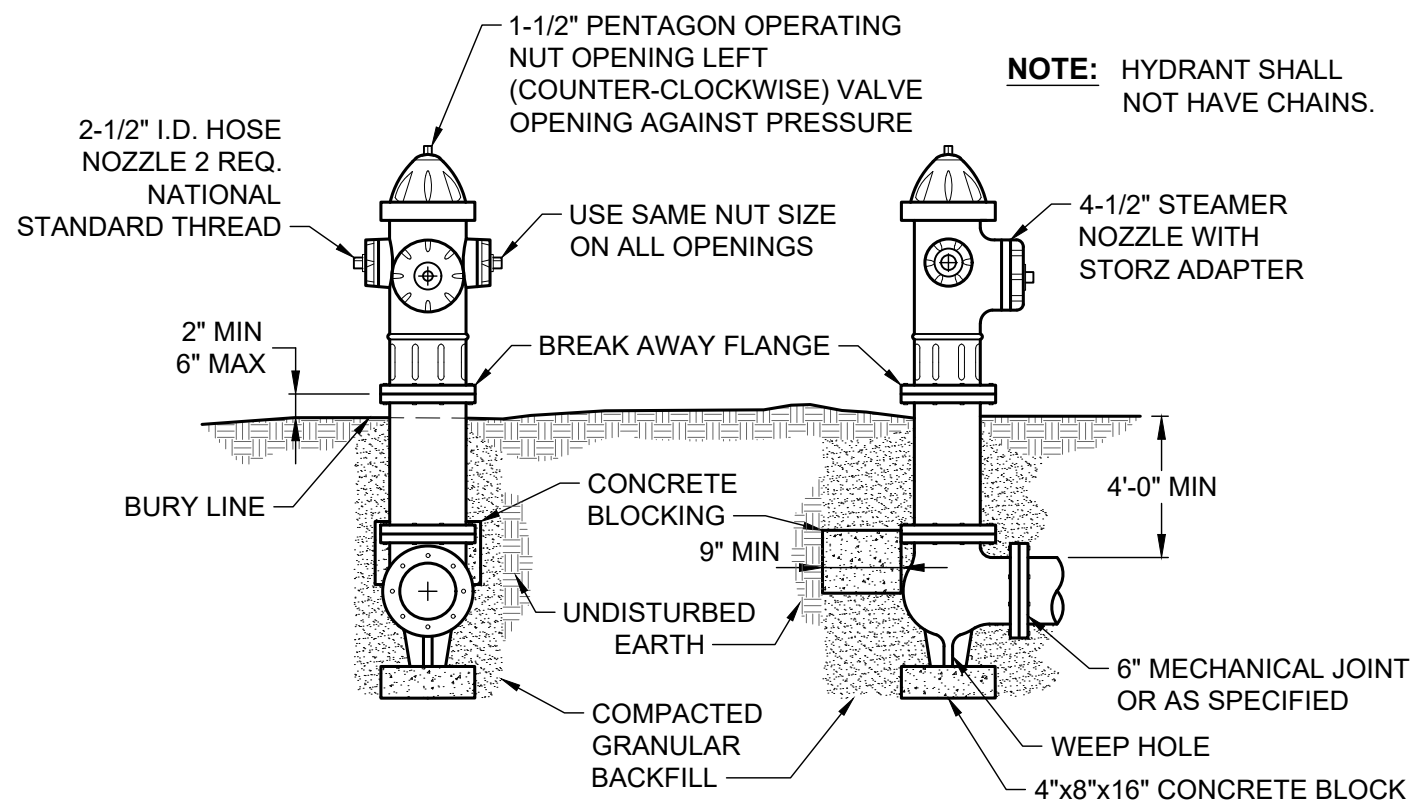
verdantas

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	9/1/2026	1	REVISED PER OEPA COMMENTS	6/16/25
SCALE:	AS NOTED	2	REVISED PER OEPA COMMENTS	8/19/25
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DRAWN BY:	AGD	4	REVISED PER RAILROAD COMMENTS	9/9/26
CHECKED BY:	BRA			

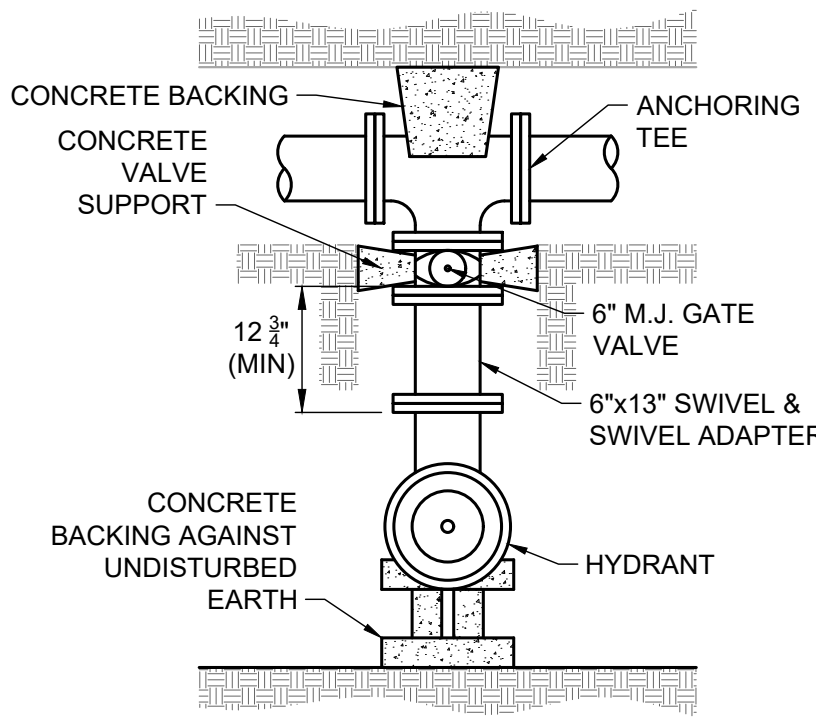
VILLAGE OF THURSTON
MAPLE STREET & OAK STREET WATERLINE
FAIRFIELD COUNTY, OHIO

5TH TO OAK ST WATERLINE PLAN & PROFILE

PROJECT NO.	240915
DISCIPLINE	CIVIL
SHEET NAME	WAT-P&P7
SHEET	9
OF	11



FRONT VIEW SIDE VIEW



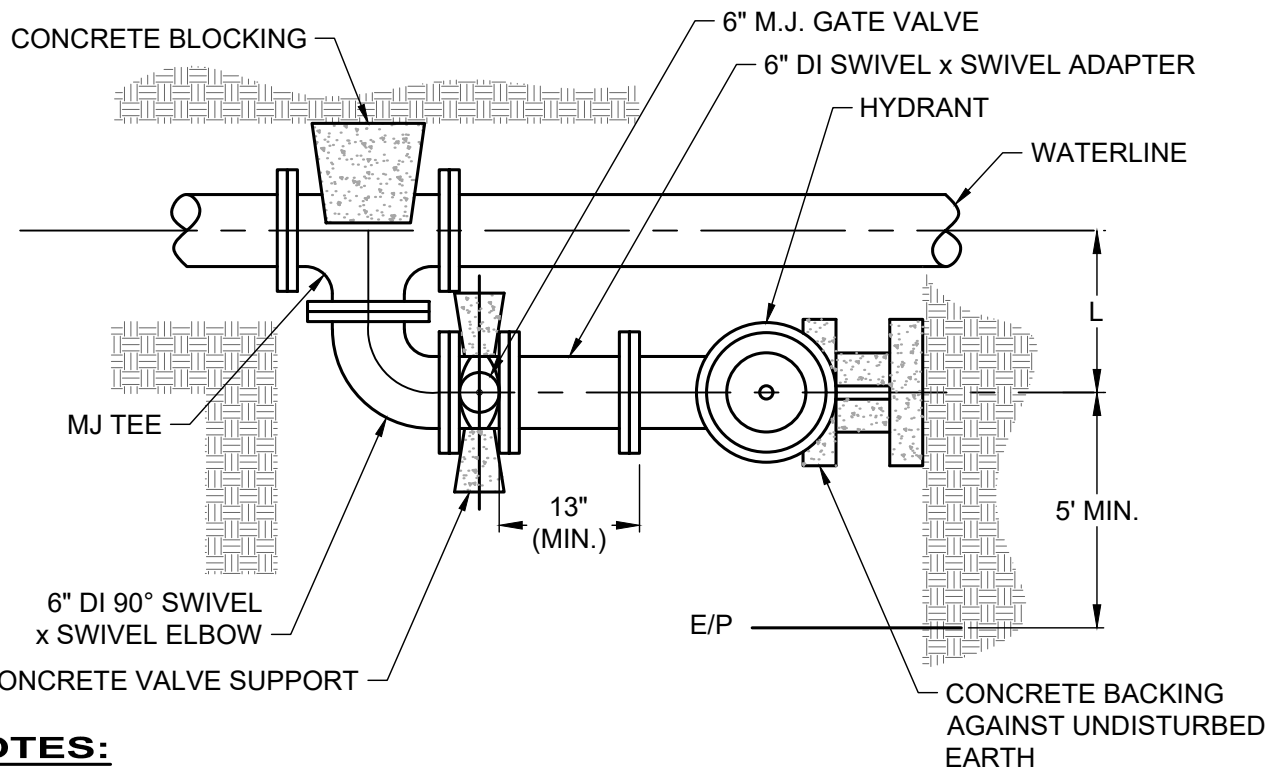
PLAN VIEW

TYPICAL 6" HYDRANT SETTING - TYPE A
SCALE: NONE

NOTES:

- BACKFILL SHALL BE GRANULAR MATERIAL CONFORMING TO (ODOT #57 STONE), ITEM 703.11 TYPE 2, GRADE A, OR APPROVED SUITABLE EXCAVATED MATERIAL POWER TAMPED IN LAYERS NOT EXCEEDING 4" IN THICKNESS, LOOSE MEASUREMENT. BACKFILL SHALL EXTEND FROM THE BOTTOM OF THE PIT OR TRENCH TO 6" BELOW THE EXISTING OR PROPOSED SURFACE. COST OF FURNISHING AND PLACING BACKFILL SHALL BE INCLUDED IN THE PRICE BID FOR EACH HYDRANT.
- ALL HYDRASCALE: NONE SHALL BE INSTALLED WITH HARDWOOD OR CONCRETE BLOCKING AGAINST UNDISTURBED EARTH.
- DRAIN ROCK AROUND AND ABOVE HYDRANT SHALL BE 2" OR LARGER. CLOTH FILTER MATERIAL SHALL BE PLACED BETWEEN DRAIN AND FILL.

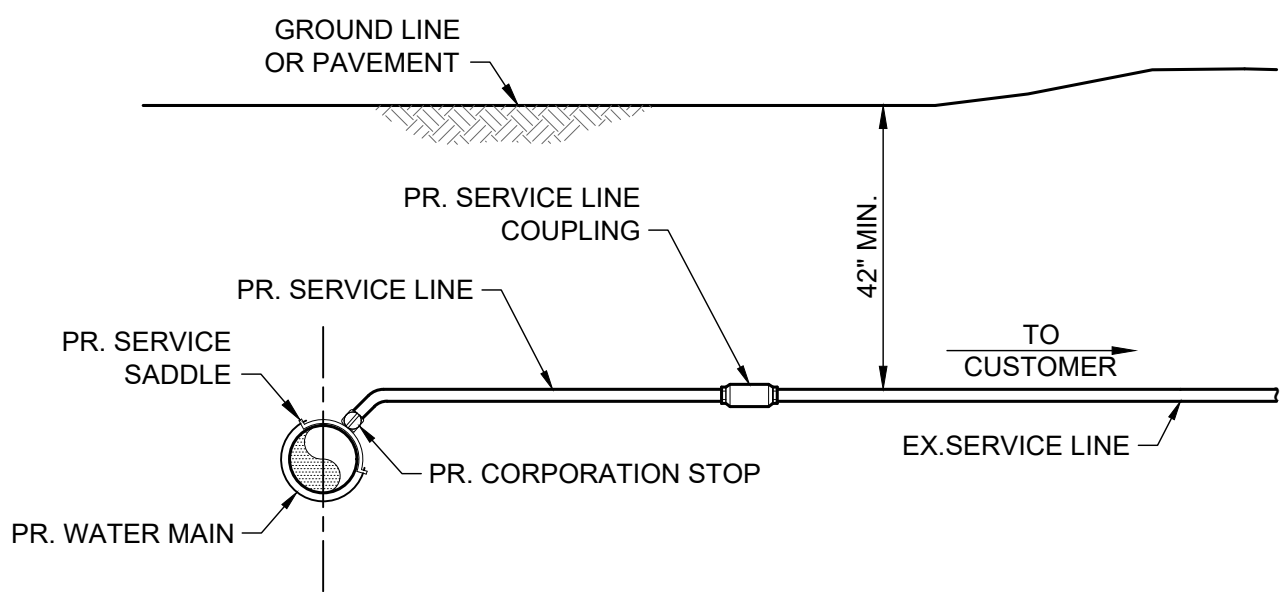
MAIN LINE	MINIMUM L	
	TYPE B	TYPE B MODIFIED
6"	24"	19"
8"	25"	20"
10"	26"	21"
12"	28"	23"
16"	31"	26"



NOTES:

- TYPE B: LONG SIDE OF BEND TO TEE. TYPE B MODIFIED: SHORT SIDE OF BEND TO TEE.
- HYDRANTS SHALL HAVE A MAXIMUM BURY OF 7'-0". MODIFICATION OF THE HYDRANT LEAD TO MEET THIS REQUIREMENT SHALL BE IN THE SECTION FROM THE VALVE TO THE HYDRANT.
- BACKFILL SHALL BE GRANULAR MATERIAL CONFORMING TO (ODOTCMS), ITEM 703.11 TYPE 2, GRADE A, OR APPROVED SUITABLE EXCAVATED MATERIAL POWER TAMPED IN LAYERS NOT EXCEEDING 4" IN THICKNESS, LOOSE MEASUREMENT. BACKFILL SHALL EXTEND FROM THE BOTTOM OF THE PIT OR TRENCH TO 6" BELOW THE EXISTING OR PROPOSED SURFACE. COST OF FURNISHING AND PLACING BACKFILL SHALL BE INCLUDED IN THE PRICE BID FOR EACH HYDRANT.
- ALL HYDRANTS SHALL BE INSTALLED WITH HARDWOOD OR CONCRETE BLOCKING AGAINST UNDISTURBED EARTH.
- DRAIN ROCK AROUND AND ABOVE HYDRANT SHALL BE 2" OR LARGER. CLOTH FILTER MATERIAL SHALL BE PLACED BETWEEN DRAIN AND FILL.
- TYPE B OR TYPE B MODIFIED SETTING SHALL ONLY BE UTILIZED WHEN TYPICAL 6" HYDRANT SETTING IS NOT APPLICABLE.
- REFER TO TYPICAL 6" HYDRANT SETTING-TYPE A DETAIL FOR ELEVATION AT HYDRANT.

TYPICAL 6" HYDRANT SETTING - TYPE B
SCALE: NONE

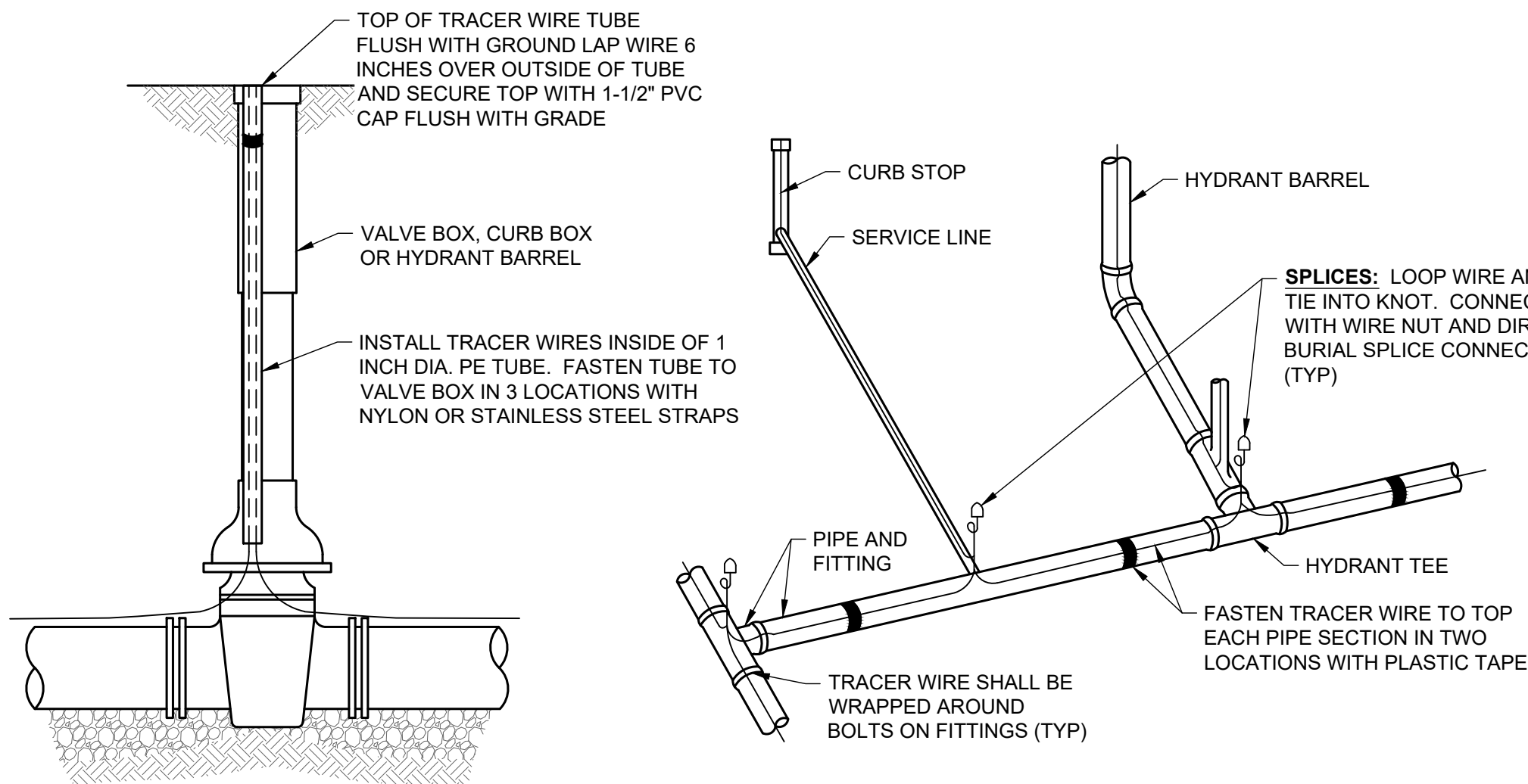


SERVICE CONNECTION

SCALE: NONE

NOTES:

- MATERIALS:
SADDLE: FORD 101BS-690-CC3
CORP STOP: FORD F1000-3-G-NL
SERVICE LINE: 3/4" HDPE (DR 11) (CTS)
- WATER SERVICE LINE SHALL BE BEDDED USING SAME BEDDING AS MAIN LINE.
- CONTRACTOR SHALL PROVIDE INSERT STIFFENERS AT ALL POISCALE: NONE OF CONNECTION OF PE SERVICE LINE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL PROVIDE COUPLING AS REQUIRED TO CONNECT HDPE SERVICE LINE TO EXISTING SERVICE LINE.

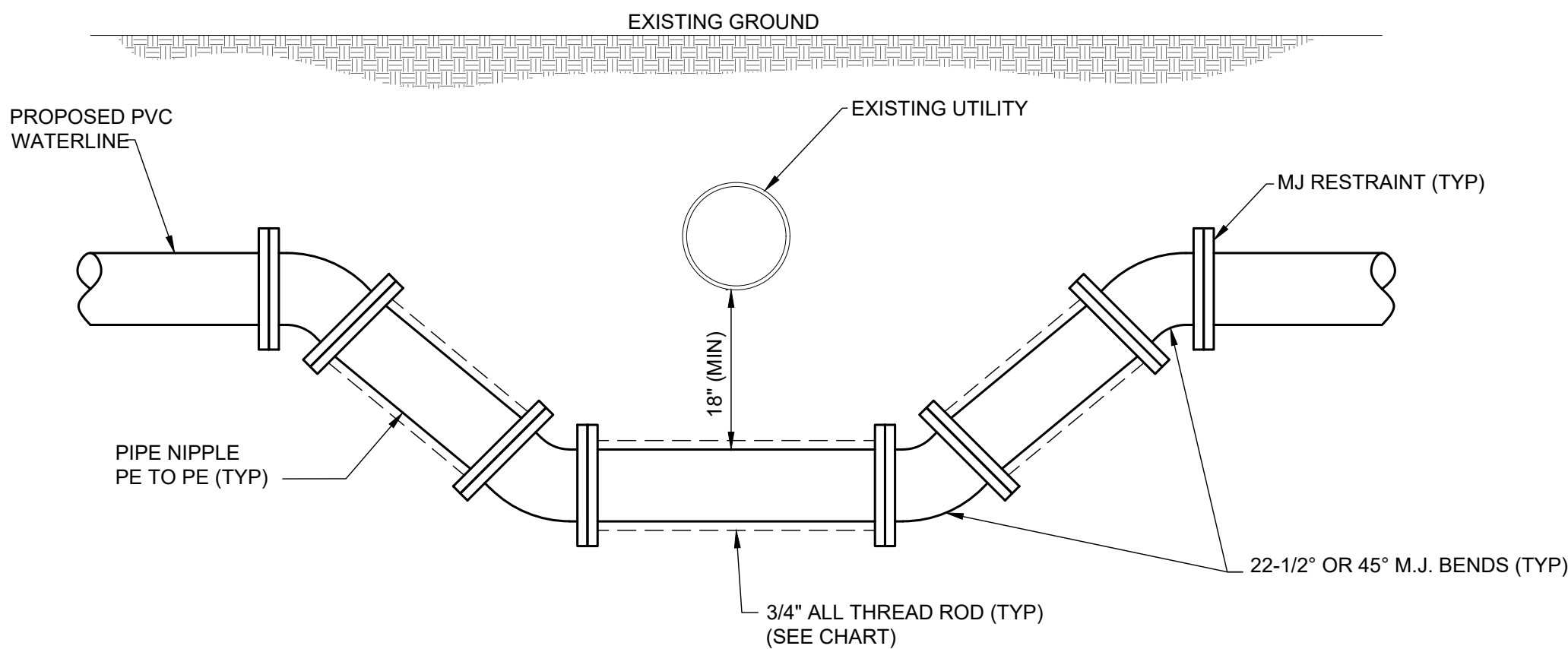


TRACER WIRE DETAIL

SCALE: NONE

NOTES:

- TRACER WIRE SHALL BE 12 GAUGE SOLID COPPER WIRE WITH INSULATION JACKET.
- BRING WIRE TO SURFACE AT ALL VALVES AND AT ALL CURB STOPS LOCATED MORE THAN 50 FEET FROM THE MAIN LINE OR WHEN THE SERVICE LINE IS ROUTED.
- INSTALL TRACER WIRE ON FIRE HYDRANT LATERAL PIPE WHERE THE FIRE HYDRANT IS MORE THAN 50 FEET FROM THE MAIN LINE, OR WHEN THE LATERAL CHANGES DIRECTION.

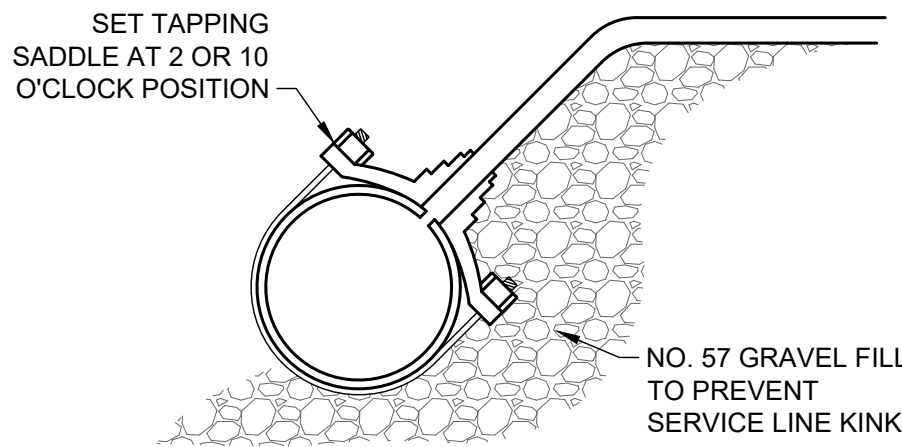


NOTES:

- WHERE EXISTING UTILITY GRADE CONFLICTS WITH GRADE OF PROPOSED WATERLINE, PROPOSED WATERLINE SHALL BE ADJUSTED IN GRADE TO PROVIDE A MINIMUM SEPARATION DISTANCE OF 18" BETWEEN UTILITIES.
- ALL JOISCALE: NONE INVOLVED IN GRADE ADJUSTMENT SHALL INCORPORATE MECHANICAL JOISCALE: NONE AND SHALL BE RESTRAINED.

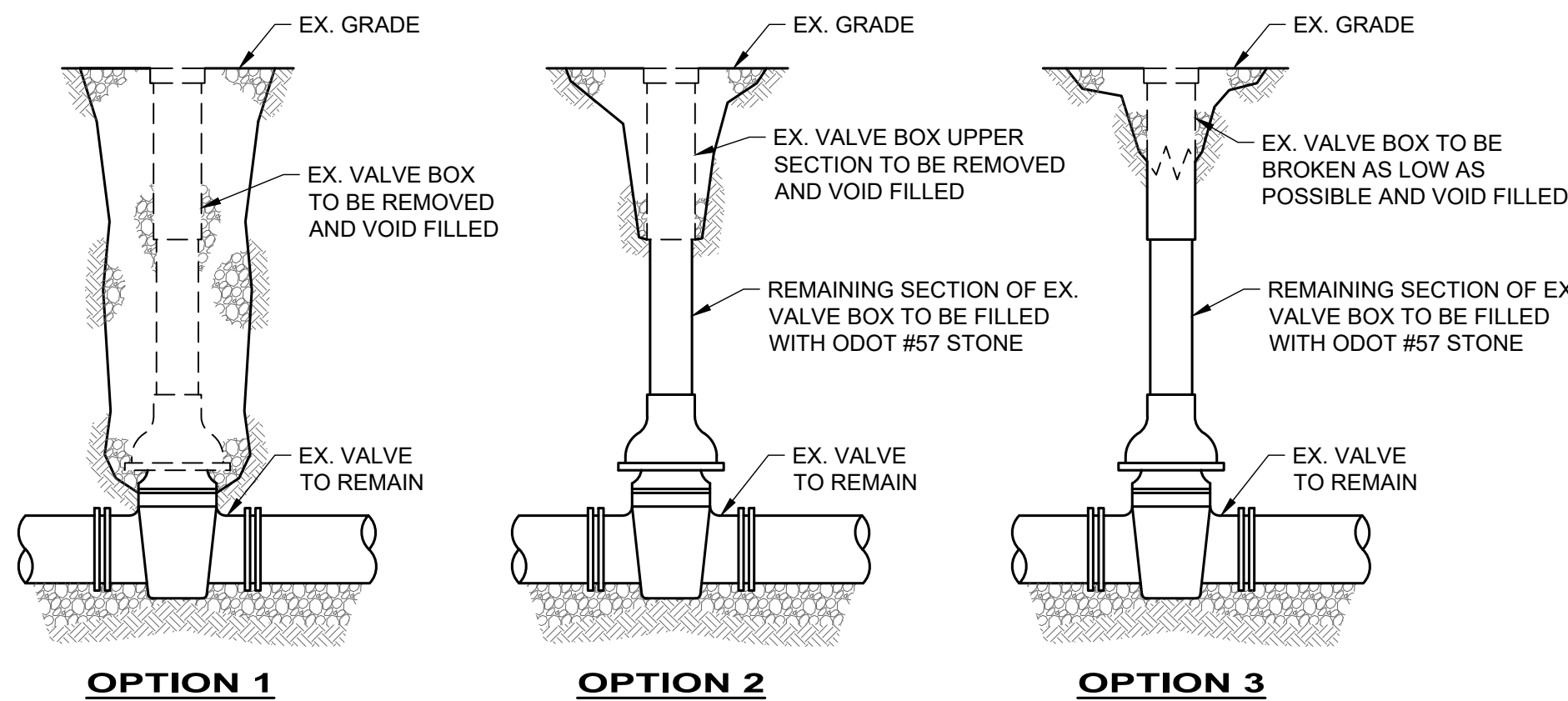
TYP. WATERLINE GRADE ADJUSTMENT

SCALE: NONE



TAP DETAIL

SCALE: NONE



ABANDONMENT OF EXISTING VALVE

SCALE: NONE

NOTES:

- EXISTING VALVES TO BE ABANDONED IN PLACE AND SHALL BE LEFT IN THE "CLOSED" OR "OPEN" POSITION AS DESIGNATED BY THE OWNER OR AS OUTLINED IN THE DRAWINGS. PRIOR TO REMOVAL OF THE VALVE BOX THE VALVE SHALL BE ACTUATED TO A FULLY OPEN OR FULLY CLOSED POSITION AND THE POSITION VERIFIED BY THE OWNER OR THE OWNER'S REPRESENTATIVE BEFORE FURTHER ACTION IS TAKEN.
- FOLLOWING VERIFICATION OF VALVE POSITION THE VALVE BOX SHALL BE REMOVED UTILIZING ONE OF THE THREE OPTIONS SHOWN. OPTION 1 IS THE PREFERRED ALTERNATIVE FOR REMOVAL OF THE VALVE BOX. HOWEVER, WHERE THE VALVE IS LOCATED IN AN AREA OF PAVEMENT THAT IS NOT TO BE DISTURBED OR ACCESS FOR EXCAVATION OF THE VALVE BOX AREA IS LIMITED, OPTION 2 OR OPTION 3 MAY BE APPLIED AS AN ALTERNATE. CONTRACTOR SHALL COORDINATE WITH THE OWNER AND/OR THE OWNER'S REPRESENTATIVE ON THE OPTION TO BE UTILIZED PRIOR TO INITIATING THE WORK.
- ONCE THE VALVE BOX HAS BEEN REMOVED, THE REMAINING VOID IS TO BE FILLED WITH COMPACTED GRANULAR MATERIAL AND THE SURFACE RESTORED TO MATCH ADJACENT IN ACCORDANCE WITH DRAWINGS.
- WHERE EXISTING VALVE BOX IS LOCATED IN PAVEMENT THE PAVEMENT SURFACE REMOVED FOR ACCESS TO THE VALVE SHALL BE SAW CUT.

BID SET

verdantas

ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	1	9/1/2026	REVISED PER OEPA COMMENTS	6/16/25
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DRAWN BY:	4	AGD	REVISED PER RAILROAD COMMENTS	9/9/26
CHECKED BY:		BRA		

VILLAGE OF THURSTON
MAPLE STREET & OAK STREET WATERLINE
FAIRFIELD COUNTY, OHIO

STANDARD DETAILS

PROJECT NO.	240915
DISCIPLINE	DETAILS
SHEET NAME	STD-DET2
SHEET	OF
11	11