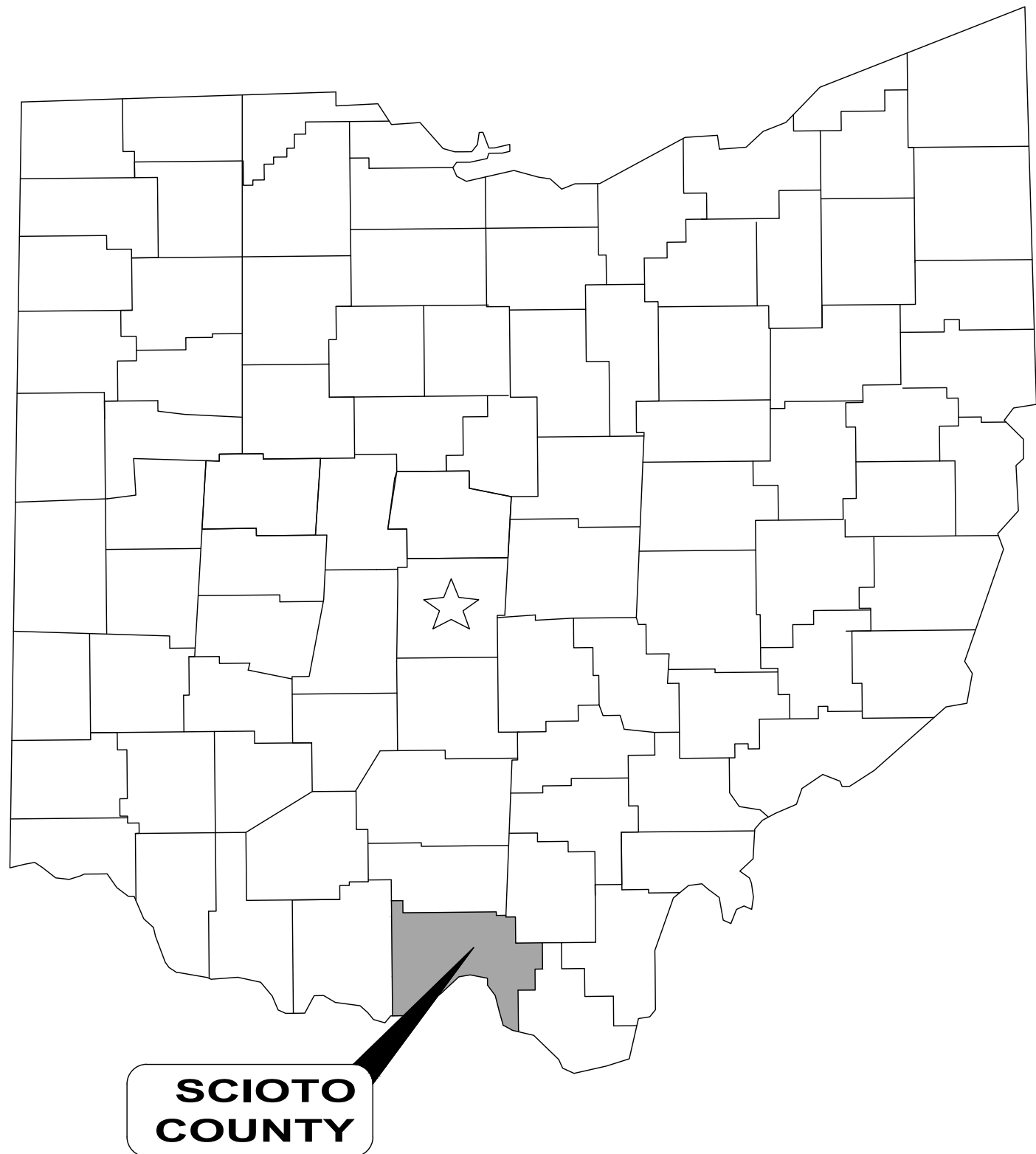
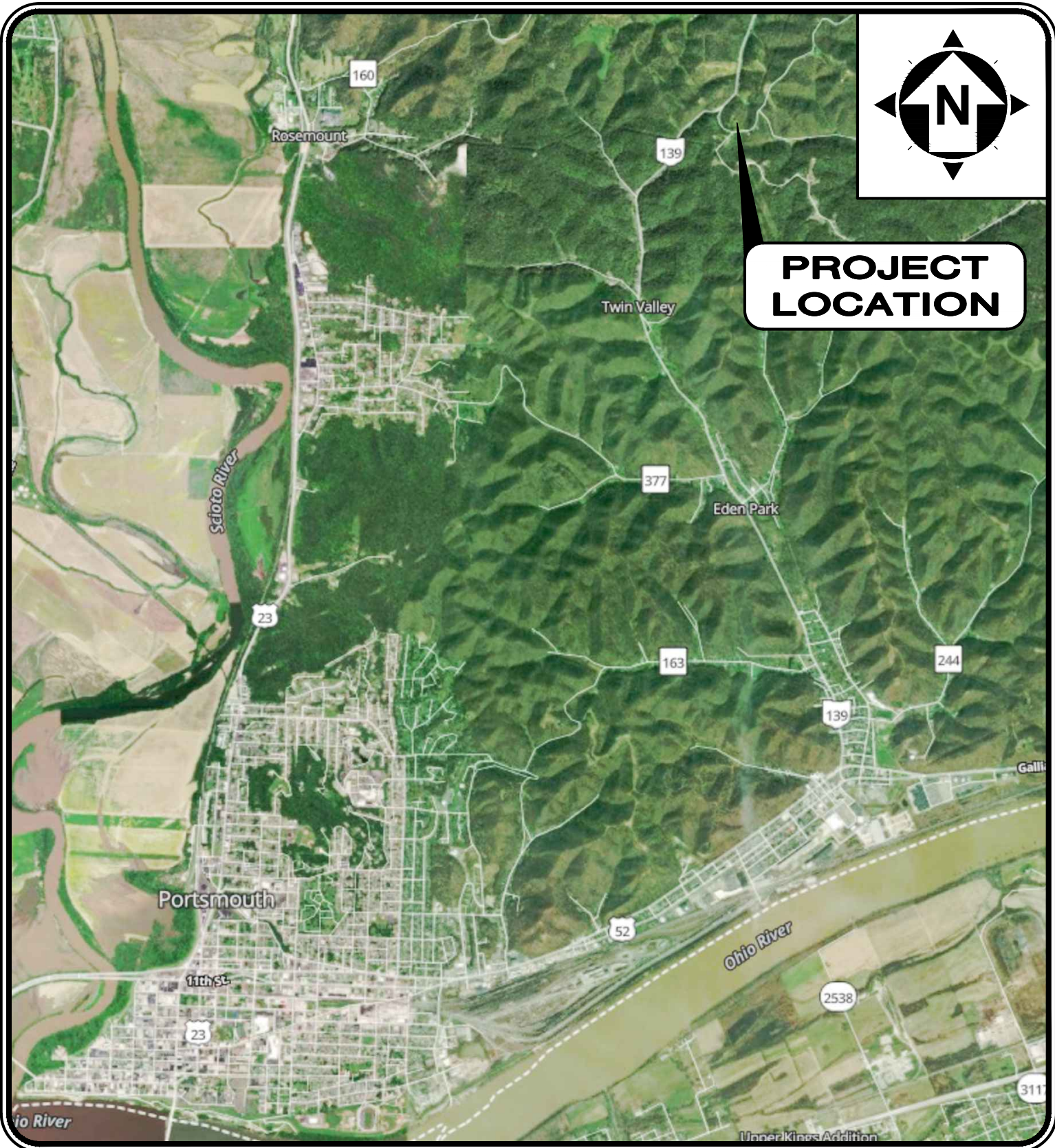


WOODS RIDGE ELEVATED WATER STORAGE TANK SCIOTO COUNTY REGIONAL WATER DISTRICT #1 SCIOTO COUNTY, OHIO

AUGUST, 2024



- 1. UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.
- 2. THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



LOCATION MAP
SCALE: 1" = 500'



OWNER:

SCIOTO COUNTY REGIONAL WATER DISTRICT #1
181 OH-728, LUCASVILLE, OH 45648

(740) 259-2301 PHONE
CONTACT: JONATHAN KING
EMAIL: JKING@WATER1.ORG

JONATHAN KING, GENERAL MANAGER

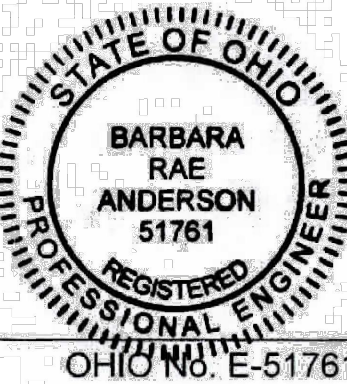
11/08/2024
DATE

ENGINEER:

CT CONSULTANTS, INC.
6397 EMERALD PARKWAY, SUITE 200
DUBLIN, OH 43016

(614) 793-8777 PHONE

Barbara R. Anderson
BARBARA R. ANDERSON



11/8/2024
DATE

BID SET

your trusted advisor

consultants

engineers

architects

planners

DATE

2/4/2025

REVISION

1

OEPA RESUBMITAL

BID SET

3/27/2025

AS NOTED

BRA

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ISSUED FOR:

ISSUE DATE:

SCALE:

DESIGNED BY:

DRAWN BY:

CHECKED BY:

SCIOTO COUNTY REGIONAL
WATER DISTRICT NO. 1
WOODS RIDGE ELEVATED STORAGE TANK
SCIOTO COUNTY

GENERAL - 00 SERIES
COVER SHEET

PROJECT NO.

241842

DISCIPLINE

GENERAL

SHEET NAME

00G-01

SHEET

1

OF

8

GENERAL NOTES

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

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

THE CONTRACTOR HAS VISITED THE SITE AND IS SATISFIED THAT HE UNDERSTANDS ALL SITE CONDITIONS THAT MAY HAVE AN EFFECT ON THE BID PRICE AND CONSTRUCTION SCHEDULE.

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 CONTRACTORS TO PROVIDE A COMPLETE AND FULLY OPERATIONAL SYSTEM AS PART OF THE SCOPE OF WORK UNDERTAKEN BY THIS CONTRACTOR.

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

MSDS SHEETS: MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR ALL PRODUCTS AND/OR BUILDING MATERIALS THAT MAY CONTAIN HAZARDOUS OR TOXIC CHEMICALS SHALL BE MADE READILY AVAILABLE TO CONTRACTOR, EMPLOYEES AND OWNERS' PERSONNEL DURING CONSTRUCTION.

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 AND O.D.O.T. 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 SEVEN (7) CONSECUTIVE HOURS AND SHALL BE OPEN TO TRAFFIC AT THE END OF EACH WORKING DAY. NO SEPARATE PAYMENT WILL BE MADE.

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.

SAFETY TRENCH PROTECTION AND BACKFILLING: THE CONTRACTOR 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 REQUIREMENT, PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR SHALL ALSO ABIDE BY ALL ORDINANCES OF THE MUNICIPALITY.

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

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.

CHANGES TO WORK: ANY MODIFICATIONS AND CHANGES TO THE WORK AS SHOWN ON THE DRAWINGS MUST HAVE THE PRIOR WRITTEN APPROVAL OF THE OWNER AND ENGINEER.

SITE INVESTIGATION: THE CONTRACTOR SHALL INVESTIGATE THE SITE PRIOR TO BIDDING. THE CONTRACTOR SHALL EXAMINE IN THE FIELD THE ACCESS PROBLEMS, AVAILABLE WORK AREAS, WATER CONDITIONS, NEARBY STRUCTURES, TREES, GROUND CONDITIONS AND FILL MATERIALS. FIELD VISITS SHALL BE COORDINATED WITH THE OWNER.

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

DISPOSAL OF WASTE CONSTRUCTION MATERIALS: THE CONTRACTOR SHALL MAKE HIS OWN ARRANGEMENTS FOR THE DISPOSAL OF SURPLUS EXCAVATED MATERIAL AND WASTE CONSTRUCTION MATERIALS. TREES, LIMBS, BRUSH AND STUMPS REMOVED BY THE CONTRACTOR'S OPERATION SHALL BE REMOVED FROM THE CONSTRUCTION SITE AND DISPOSED OF BY THE CONTRACTOR FOLLOWING OEPA REGULATIONS.

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.

DRAINAGE TILE: FIELD DRAINAGE TILE, STORM DRAINS, UNDER DRAINS, DRIVE CULVERTS AND FIELD TILE MAY BE ENCOUNTERED DURING THE COURSE OF EXCAVATION UNDER THIS CONTRACT. THE CONTRACTOR SHALL REPAIR, REPLACE OR REROUTE THE AFFECTED TILE SO AS TO LEAVE THE DRAINAGE SYSTEM IN ORIGINAL CONDITION OR BETTER AND THE SYSTEM IN GOOD WORKING ORDER. THE COST OF WORK THIS SHALL BE INCLUDED IN THE RELATED BID ITEMS.

PERMITS: UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE PERMITS EXCEPT OHIO EPA PERMIT TO INSTALL FOR THE PROPOSED FACILITIES.

INCIDENTAL RESTORATION: ALL SIGNS, MAILBOXES, FENCES, GUARDRAILS, ROADSIDE DITCHES, OR OTHER PHYSICAL FEATURES DISTURBED OR DAMAGED DURING WORK UNDER THIS CONTRACT SHALL BE RESTORED TO THEIR ORIGINAL CONDITION BY THE CONTRACTOR. THE COST OF ALL SUCH WORK SHALL BE INCLUDED IN BID.

GENERAL RESTORATION: ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND ELEVATION. THESE AREAS SHALL BE SEEDED AND MULCHED. THE CONTRACTOR SHALL PROVIDE A SEED BED FREE OF STONES AND OTHER DELETERIOUS MATERIALS. NINETY PERCENT OF THE SEED BED SHALL CONSIST OF GROWTH SUPPORTING MATERIAL. IF ANY QUESTION ARISES ON THE AMOUNT OF STONES OR OTHER DELETERIOUS MATERIAL THAT MAY BE CONTAINED IN THE SEED BED, THE ENGINEER MAY ORDER THAT ONE OR MORE TWO SQUARE FOOT BY FIVE INCH DEEP TEST SECTIONS BE EXCAVATED BY THE CONTRACTOR AT NO ADDITIONAL COST TO OWNER. THIS EXCAVATED MATERIAL SHALL BE PASSED THROUGH A NUMBER 10 SIEVE. IF IT IS FOUND THAT 10 PERCENT OF THE VOLUME, BY WEIGHT, OF THE TEST SECTION CONSISTS OF STONES OR OTHER DELETERIOUS MATERIAL, THE SEED BED SHALL BE REJECTED. IF THE EQUIPMENT USED TO PREPARE THE SEED BED IS NOT CAPABLE OF REMOVING THE STONES OR DELETERIOUS MATERIAL, THE CONTRACTOR SHALL HAND RAKE THE SEED BED. IF THIS DOES NOT REMOVE ADEQUATE DELETERIOUS MATERIAL FROM THE SEED BED, THE CONTRACTOR SHALL BE REQUIRED TO SUPPLEMENT THE SEED BED WITH SUITABLE MATERIAL TO PROVIDE THE PROPER SEED BED.

SEEDING: ALL AREAS SHALL BE SEEDED AS PER THE PROJECT SPECIFICATIONS UNLESS AN ALTERNATE FORM OF SURFACE RESTORATION HAS BEEN IDENTIFIED WITHIN THE PROJECT DOCUMENTATION.

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.

UNDERGROUND UTILITIES: THE INFORMATION SHOWN CONCERNING EXISTING UTILITIES IS NOT REPRESENTED, WARRANTED OR GUARANTEED TO BE COMPLETE OR ACCURATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PHYSICALLY LOCATE AND VERIFY, IN THE FIELD, ALL UTILITY LOCATIONS AND ELEVATIONS, PRIOR TO THE BEGINNING OF HIS CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL SUPPORT, PROTECT, AND RESTORE ALL EXISTING UTILITIES AND THEIR ASSOCIATED ITEMS.

THE IDENTITY AND LOCATION OF THE EXISTING UNDERGROUND UTILITY FACILITIES KNOWN TO BE LOCATED IN THE CONSTRUCTION AREA HAVE BEEN SHOWN ON THE DRAWINGS AS ACCURATELY AS PROVIDED BY THE OWNER OF THE UTILITY. THE OWNER AND/OR ENGINEER ASSUMES NO RESPONSIBILITIES AS TO THE ACCURACY OR THE DEPTHS OF THE UNDERGROUND FACILITIES SHOWN ON THESE DRAWINGS.

THE CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS, IN ACCORDANCE WITH SECTION 153.64, OHIO REVISED CODE, AT LEAST FORTY-EIGHT (48) HOURS PRIOR TO THE BEGINNING OF ANY WORK, COORDINATE HIS WORK WITH THEM, AND KEEP THE UTILITY OWNERS APPRAISED OF HIS SCHEDULE AND REQUIREMENTS UNTIL ALL WORK IS COMPLETED. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH EVIDENCE OF HAVING NOTIFIED THE UTILITIES AND PROVIDING THEM WITH HIS WORK SCHEDULE PRIOR TO BEGINNING ANY WORK. NOTICE SHALL BE GIVEN TO THE OHIO UTILITIES PROTECTION SERVICE.

THE FOLLOWING IS A PARTIAL LIST OF UTILITY REGISTRATION SERVICES AND UTILITY OWNERS WHO MUST BE NOTIFIED. THE CONTRACTOR SHALL COMPLY WITH THE REGULATIONS SET FORTH BY THE RESPECTIVE ENTITIES AS LISTED:

OHIO UTILITIES PROTECTION SERVICE
12467 MAHONING AVE.
NORTH JACKSON, OH 44451
(800) 362-2764

WATER 1
181 STATE ROUTE 728
LUCASVILLE, OH 45648
(740) 259-2301

OHIO OIL AND GAS PRODUCERS
UNDERGROUND PROTECTION SERVICE
88 E. BROAD ST., SUITE 1400
COLUMBUS OH, 43215
(614) 715-2984

AMERICAN ELECTRIC POWER
3225 SCIOTO TRAIL
PORTSMOUTH, OH 45662
(740) 355-4659

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

ELEVATION DATUM: ALL ELEVATIONS ARE BASED ON NORTH AMERICAN DATUM OF 1988 (NAD88).

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 WRITTEN CONSENT OF THE OWNER. EXISTING PROPERTY LINES AND RIGHTS OF WAY SHOWN ON THE DRAWINGS ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY EXACT LOCATION IN ADVANCE OF CONSTRUCTION OPERATIONS.

EROSION CONTROL DEVICES AND MEASURES: THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT CONTROL DEVICES AND MEASURES SO THAT THE SITE COMPLIES WITH THE REQUIREMENTS AND RECOMMENDATIONS OF THE OHIO DEPARTMENT OF NATURAL RESOURCES; RAINWATER AND LAND DEVELOPMENT MANUAL; OHIO STANDARDS FOR STORM WATER MANAGEMENT AND LAND DEVELOPMENT AND URBAN STREAM PROTECTION.

DUST CONTROL: THE CONTRACTOR SHALL RESTRICT THE EMISSION OF ALL FUGITIVE DUST AND PARTICULATE, AIRBORNE OR OTHERWISE, THAT ARISES FROM HIS OPERATION AND ACTIVITIES RELATIVE TO THIS PROJECT. DUST CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED PURSUANT TO THE APPLICABLE REQUIREMENTS OF THE OHIO ADMINISTRATIVE CODE (OAC) SECTION 3745-17-08 IN EFFECT AT THE TIME OF THE CONTRACT. SUCH MEASURES SHALL APPLY TO ACTIVITIES ON-SITE AS WELL AS OFF-SITE.

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

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

GRADE CONFLICT: IN CASE OF CONFLICT IN GRADE BETWEEN WATER MAINS AND SEWERS, THE WATER MAINS SHALL BE LOWERED DURING CONSTRUCTION.

CLEARANCE: THE MINIMUM DISTANCE BETWEEN WATER MAINS AND SANITARY/STORM SEWERS SHALL BE 18" VERTICALLY AND 10'-0" HORIZONTALLY FROM OUTSIDE TO OUTSIDE OF THE PIPE.

VALVE OPERATORS: 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.

WATERLINE ACCEPTANCE: THE CONTRACTOR SHALL THOROUGHLY CLEAN, FLUSH, AND TEST THE WATER MAINS IN ACCORDANCE WITH THE REQUIREMENTS OF AWWA C600 AND/OR AWWA C605 FOR DUCTILE IRON OR PVC MAINS RESPECTIVELY AND IN ACCORDANCE WITH THE SPECIFICATIONS AND PROCEDURES ESTABLISHED BY THE OWNER PRIOR TO ACCEPTANCE AND PLACEMENT INTO SERVICE.

MATERIAL STANDARDS: ALL MATERIALS UTILIZED IN THE CONSTRUCTION OF THIS PROJECT THAT WILL COME IN CONTACT WITH POTABLE WATER SHALL BE AWWA AND/OR NSF 60/61 APPROVED. PIPE AND MATERIALS INCORPORATED INTO THIS PROJECT SHALL ALSO CONFORM TO THE LATEST REVISION OF THE APPROPRIATE STANDARDS AS FOLLOWS:

PIPE: AWWA C-151 AND/OR AWWA C900

FITTINGS: AWWA C-153

VALVES: AWWA C-509

APPURTENANCES: AWWA/NSF STANDARDS AS APPLICABLE

HYDRANTS: AWWA C-502

DISINFECTION: DISINFECTION OF THE INSTALLED FACILITIES SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF AWWA C651 FOR WATER LINES & AWWA C652 FOR WATER TANKS.

TANK SITE PREPARATION

GENERAL TANK SITE CLEARING, GRUBBING AND GRADING SHALL BE BY THE OWNER. CONTRACTOR SHALL VISIT PROJECT SITE IN ADVANCE OF SUBMITTING A BID TO EVALUATE THE REMAINING SCOPE OF SITE PREPARATION THAT IS TO BE INCORPORATED INTO THE PROJECT SCOPE.

REMOVAL AND PROPER DISPOSAL OF THE EXISTING ELEVATED TANK STRUCTURE SHALL BE COORDINATED BY THE OWNER.

PRESSURE SENSING/SCADA EQUIPMENT

MATERIALS AND EQUIPMENT NECESSARY TO SENSE PRESSURE AT THE PROPOSED STORAGE TANK AND TO INTERFACE WITH EXISTING SCADA SYSTEM SHALL BE BY THE OWNER.

WATERLINE AT TANK

WATERLINE CONSTRUCTION AT TANK LOCATION SHALL BE BY CONTRACTOR TO LIMITS SHOWN. OWNER SHALL REMOVE EXISTING 5" WATERLINE AT LOCATION OF TANK FOUNDATION AS A PART OF TANK DEMOLITION ACTIVITIES. OWNER SHALL CONSTRUCT 20' STUB OF 8" C900 (DR25) FOR EXTENSION TO NEW TANK FOUNDATION AND SHALL INTERFACE 8" PVC WITH EXISTING 5" PVC WATERLINE AT SITE.

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
	STEAM	-	EXISTING STEAM LINE
		-	EXISTING FENCE LINE
		-	EXISTING UTILITY MANHOLE
		-	EXISTING ELECTRIC MANHOLE
		-	EXISTING CATCH BASIN
		-	EXISTING STREET INLET
		-	EXISTING SANITARY MANHOLE
		-	EXISTING LIGHT POLE
		-	EXISTING POWER POLE
		-	EXISTING POWER PAD
		-	EXISTING WATER VALVE
		-	EXISTING FIRE HYDRANT
	915	-	EXISTING CONTOUR (MAJOR)
	914	-	EXISTING CONTOUR (MINOR)
		-	PROPERTY LINE
		-	EXISTING BUILDING STRUCTURE
		-	PROPOSED STORM SEWER LINE
		-	PROPOSED SANITARY SEWER LINE
		-	PROPOSED WATER LINE
	ELEC	-	PROPOSED ELECTRIC LINE
	GAS	-	PROPOSED GAS LINE
		-	PROPOSED CATCH BASIN
		-	PROPOSED STREET INLET
		-	PROPOSED STREET INLET
		-	PROPOSED WATER VALVE
		-	PROPOSED WATER HYDRANT

GENERAL DESIGNATION NOTES

1.

THIS IS A STANDARD SHEET SHOWING COMMONLY USED DESIGNATIONS. ALL DESIGNATIONS ARE NOT NECESSARILY USED ON THIS PROJECT
2.

ELECTRICAL - REFER TO ELECTRICAL ABBREVIATIONS, LEGEND & NOTES
3.

INSTRUMENTATION - REFER TO INSTRUMENTATION ABBREVIATIONS, LEGEND & NOTES
4.

SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE NEW IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE
5.

DESIGNATION OR DIAGRAMMATICAL LEGENDS MAY BE SHOWN ON INDIVIDUAL SHEETS FOR SCHEDULES, DIAGRAMS, DETAILS, SCHEMATICS OR EQUIPMENT

SHEET LIST TABLE		
SHEET #	SHEET TITLE	SHEET NAME
GENERAL - 00 SERIES: GENERAL		
1	COVER SHEET	00G-01
2	GENERAL NOTES, LEGEND & INDEX	00G-02
SITE IMPROVEMENTS - 01 SERIES: CIVIL		
3	SITE PLAN	01C-01
4	WATER STORAGE TANK PLAN & SECTION	01C-02
5	WATER STORAGE TANK DETAILS	01C-03
6	WATER STORAGE TANK DETAILS	01C-04
7	SITE CONSTRUCTION DETAILS	01C-05
8	SITE CONSTRUCTION DETAILS	01C-06

BID SET

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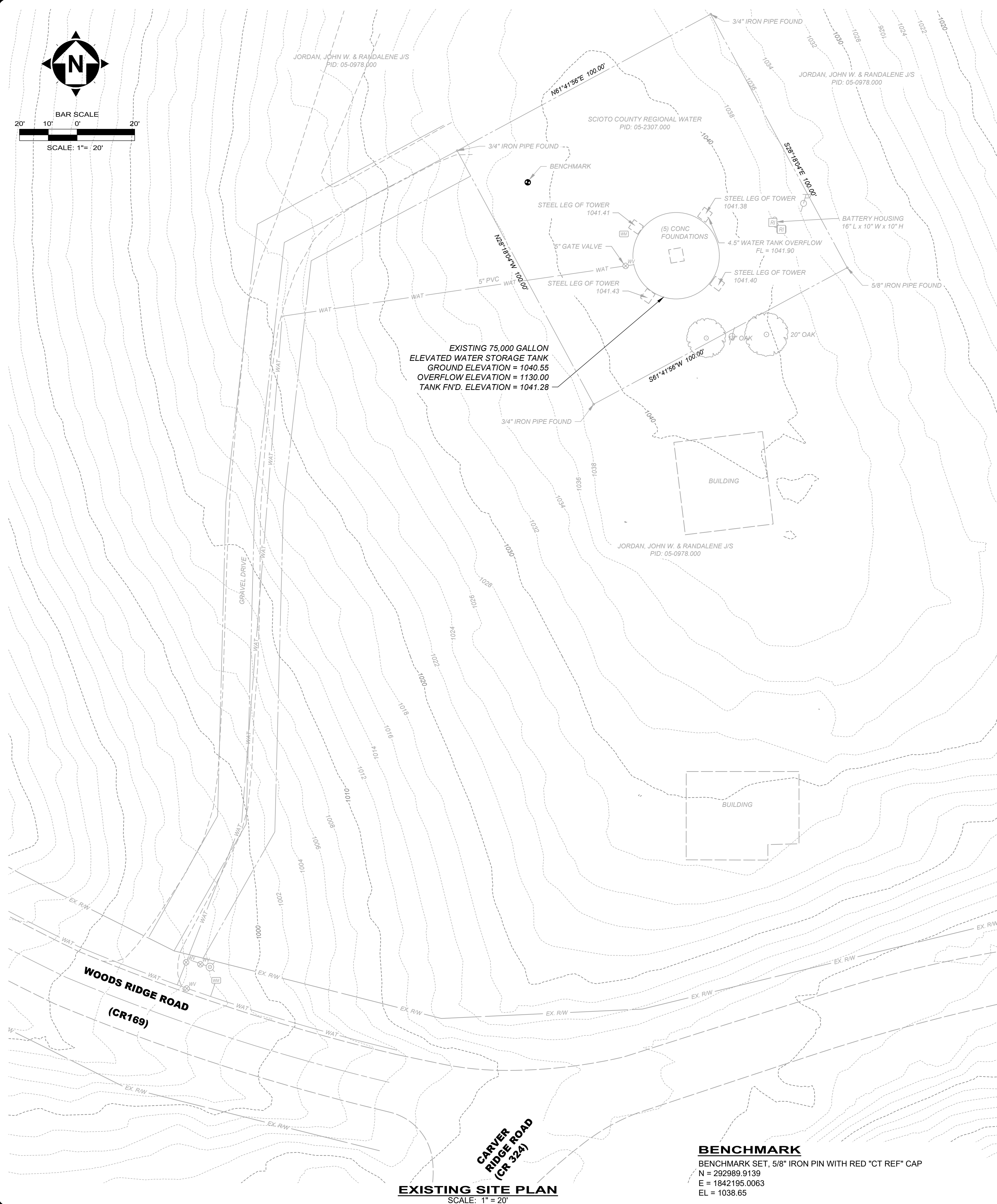
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architects
planners

consultants

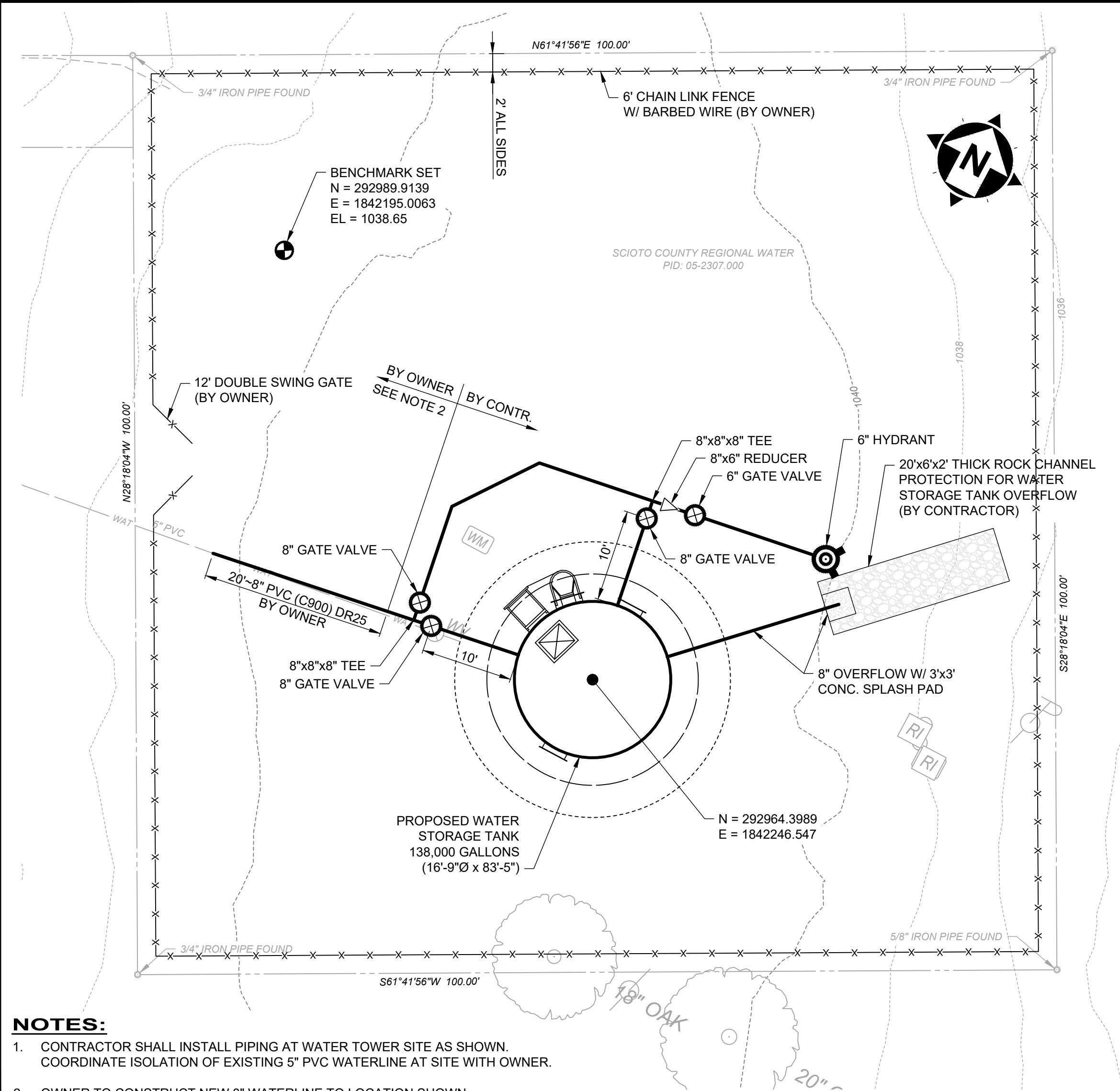
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SCIOTO COUNTY REGIONAL WATER DISTRICT NO. 1 WOODS RIDGE ELEVATED STORAGE TANK SCIOTO COUNTY LUCASVILLE, OHIO	GENERAL - 00 SERIES	
	GENERAL NOTES, LEGEND & SHEET INDEX	

PROJECT NO.	
241842	
DISCIPLINE	
GENERAL	
SHEET NAME	
00G-02	
SHEET	OF
2	8



LOCATION PLAN
SCALE: 1" = 300'



PROPOSED SITE PLAN
SCALE: 1" = 10'

BID SET

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consultants → **engineers**
architects
planners

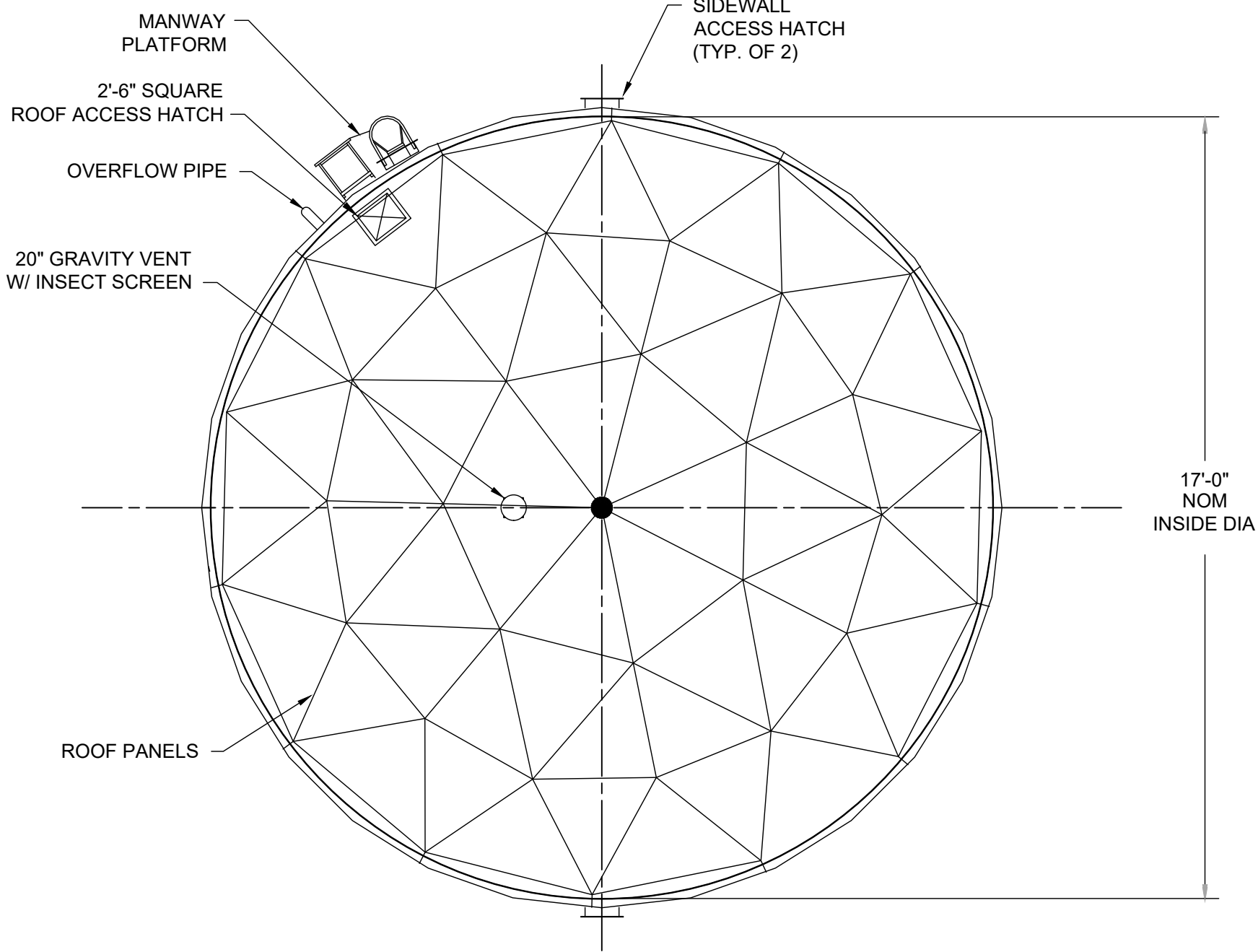
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CHECKED BY:	BRA			

**SCIOTO COUNTY REGIONAL
WATER DISTRICT NO. 1
WOODS RIDGE ELEVATED STORAGE TANK**

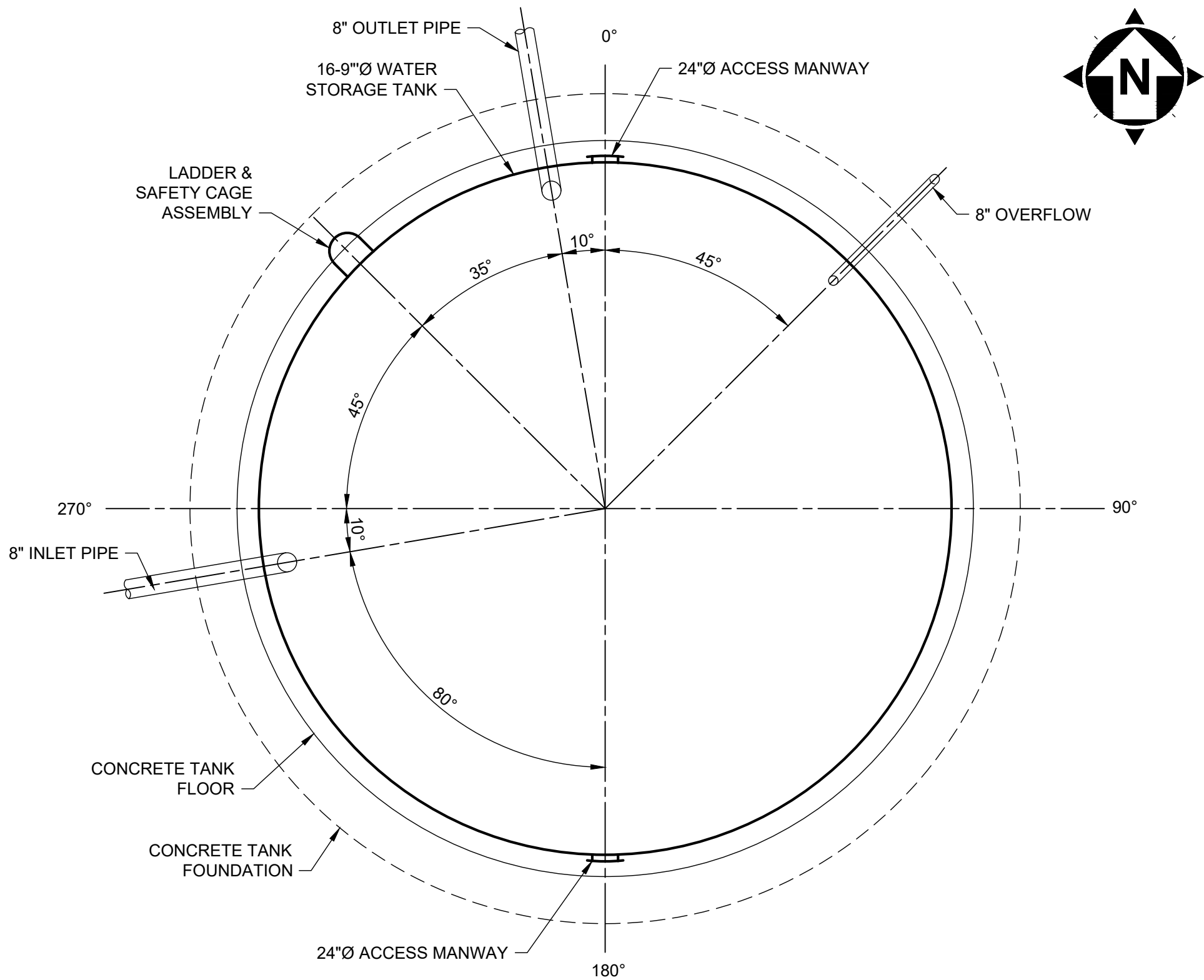
SITE IMPROVEMENTS - 01 SERIES

SITE PLAN

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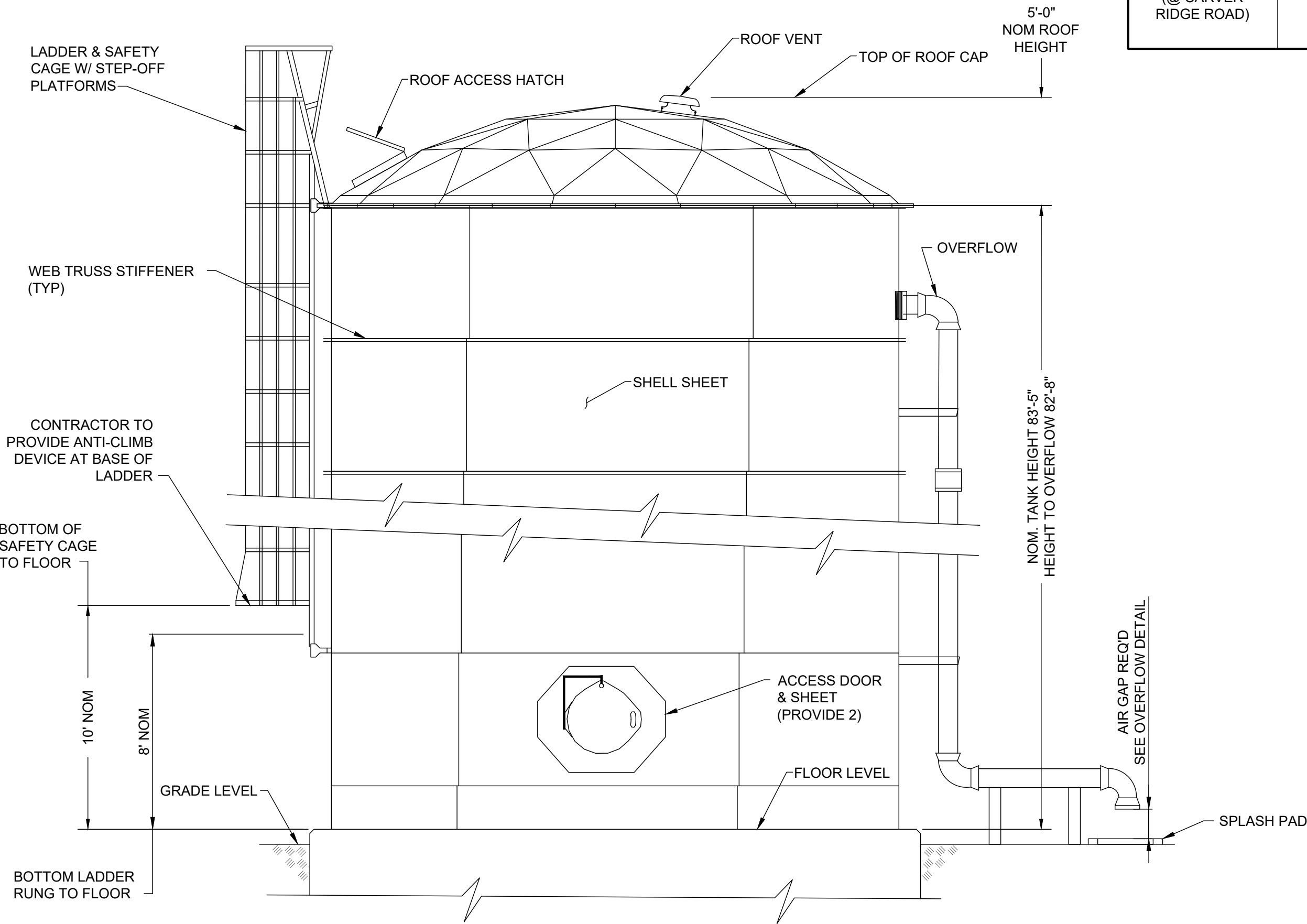
ROOF PLAN
NOT TO SCALE



TANK PLAN

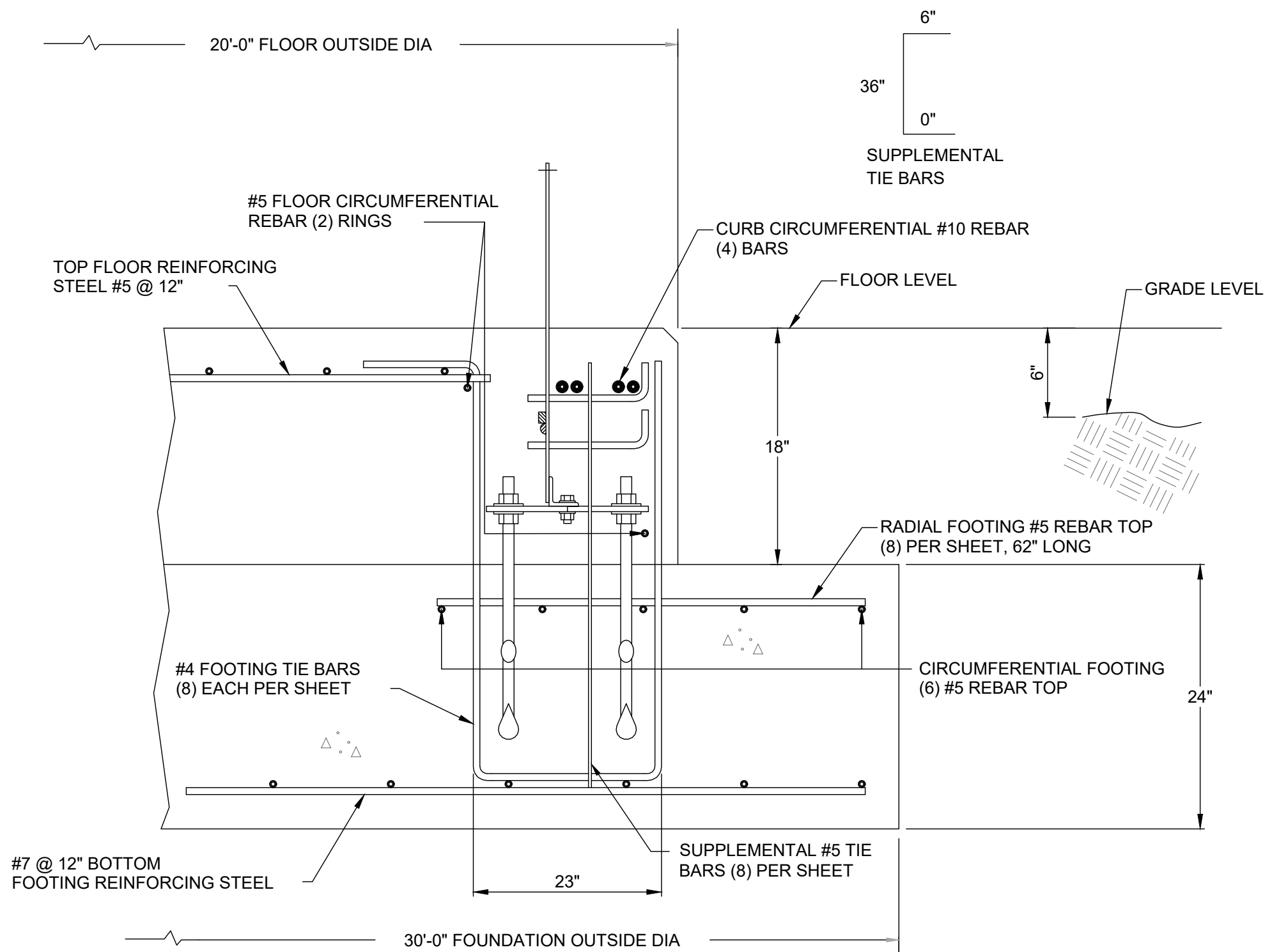
- WATER STORAGE TANK NOTES:**
- SHOP DRAWINGS: TANK MANUFACTURER SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR THE PROPOSED STRUCTURE AND RELATED FOUNDATION. DRAWINGS SHALL BE ADEQUATELY DETAILED TO REPRESENT THE PROPOSED CONSTRUCTION AND TO PROVIDE FOR THE REVIEW OF THE RESPONSIBLE BUILDING OFFICIAL. ORIGINALLY CERTIFIED COPIES OF DRAWINGS AND CALCULATIONS SHALL BE PROVIDED IN SUFFICIENT NUMBER TO COORDINATE ACQUISITION OF A BUILDING PERMIT FOR THE PROPOSED STRUCTURE.
 - FOUNDATION MATERIALS: CONCRETE UTILIZED IN THE FOUNDATION SHALL HAVE A MINIMUM COMPRESSIVE STRESS OF 4,600 PSI AT 28 DAYS. REINFORCING STEEL SHALL CONFORM TO GRADE 60.
 - TANK ORIENTATION: CONTRACTOR SHALL REFER TO THE SITE PLAN ASSOCIATED WITH THIS TANK FOR ACTUAL ORIENTATION OF THE TANK, PIPING AND APPURTENANCES. DETAILS INCLUDED WITHIN THE VARIOUS TANK SECTIONS AND DETAILS ARE IN SOME INSTANCES SCHEMATIC ONLY AND DO NOT NECESSARILY INDICATE ALL ITEMS IN THEIR CORRECT LOCATIONAL RELATIONSHIP.
 - CONTINUITY: ALL METALLIC PARTS OF THE TANK SHALL BE ELECTRICALLY CONTIGUOUS.

LOCATION	CAPACITY	NOM. TANK HEIGHT	DIAMETER	FREEBOARD	INLET DIA	OUTLET DIA	OVERFLOW DIA	OVERFLOW ELEV	BASE ELEV	GRADE ELEV	OVERFLOW RATE
WOODS RIDGE (@ CARVER RIDGE ROAD)	138,000 GAL.	83'-5"	16'-9"	9"	8"	8"	8"	1124.22	1041.05	1040.55	350 GPM



TANK ELEVATION
NOT TO SCALE

- NOTE:
1. TANK APPURTENANCES SHOWN MAY BE SHOWN OUT OF SECTION. REFER TO TANK SITE PLAN FOR ACTUAL ORIENTATION OF APPURTENANCES.



- FOUNDATION NOTES:**
- FOUNDATION DESIGN SHOWN IS REPRESENTATIVE IN NATURE. ACTUAL FOUNDATION SHALL BE THE RESPONSIBILITY OF THE TANK MANUFACTURER AND SHALL BE BASED UPON THE LOADINGS, SEISMIC CONDITIONS AND OTHER SAFETY FACTORS AS OUTLINED IN THE GEOTECHNICAL REPORT ASSOCIATED WITH THIS PROJECT. THE FOUNDATION DESIGN SHALL BE SUBMITTED BY THE TANK MANUFACTURER FOR REVIEW OF THE ENGINEER PRIOR TO THE START OF CONSTRUCTION AND SHALL BEAR THE STAMP AND SIGNATURE OF THE OHIO REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN.

SECTION THROUGH FOOTING
NOT TO SCALE

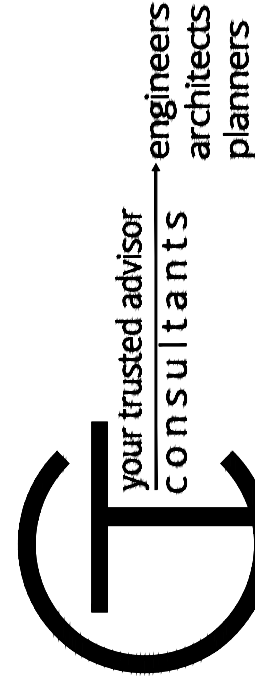
- NOTES:**
- FOUNDATION DESIGN:** FOUNDATION DESIGN SHOWN IS REPRESENTATIVE IN NATURE. ACTUAL FOUNDATION DESIGN SHALL BE THE RESPONSIBILITY OF THE TANK MANUFACTURER AND SHALL BE BASED UPON THE LOADINGS, SEISMIC CONDITIONS AND OTHER SAFETY FACTORS AS OUTLINED IN THE GEOTECHNICAL REPORT ASSOCIATED WITH THIS PROJECT. THE FOUNDATION DESIGN SHALL BE SUBMITTED BY THE TANK MANUFACTURER FOR REVIEW OF THE ENGINEER PRIOR TO THE START OF CONSTRUCTION AND SHALL BEAR THE STAMP AND SIGNATURE OF THE OHIO REGISTERED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE DESIGN.
 - SHOP DRAWINGS: TANK MANUFACTURER SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR THE PROPOSED STRUCTURE AND RELATED FOUNDATION. DRAWINGS SHALL BE ADEQUATELY DETAILED TO REPRESENT THE PROPOSED CONSTRUCTION AND TO PROVIDE FOR THE REVIEW OF THE RESPONSIBLE BUILDING OFFICIAL. ORIGINALLY CERTIFIED COPIES OF DRAWINGS AND CALCULATIONS SHALL BE PROVIDED IN SUFFICIENT NUMBER TO COORDINATE ACQUISITION OF A BUILDING PERMIT FOR THE PROPOSED STRUCTURE.
 - FOUNDATION MATERIALS: CONCRETE UTILIZED IN THE FOUNDATION SHALL HAVE A MINIMUM COMPRESSIVE STRESS OF 4,000 PSI AT 28 DAYS. REINFORCING STEEL SHALL CONFORM TO GRADE 60.
 - TANK ORIENTATION: CONTRACTOR SHALL REFER TO THE SITE PLAN AND FOUNDATION PLAN ASSOCIATED WITH THIS TANK FOR ACTUAL ORIENTATION OF THE TANK, PIPING AND APPURTENANCES. DETAILS INCLUDED WITHIN THE VARIOUS TANK SECTIONS AND DETAILS ARE IN SOME INSTANCES SCHEMATIC ONLY AND DO NOT NECESSARILY INDICATE ALL ITEMS IN THEIR CORRECT LOCATIONAL RELATIONSHIP.
 - CONTINUITY: ALL METALLIC PARTS OF THE TANK SHALL BE ELECTRICALLY CONTIGUOUS.
 - FOUNDATION PREPARATION: IT IS ANTICIPATED THAT THE PROPOSED WATER STORAGE TANK WILL BE SUPPORTED ON A MAT/SLAB FOUNDATION SYSTEM. THE AREAS ENCOMPASSED BY THIS FOUNDATION SYSTEM AND 5 FEET BEYOND SHOULD BE UNDERCUT SUCH THAT A MINIMUM 1 FOOT THICK LAYER OF ODOT ITEM 304 CRUSHED LIMESTONE STRUCTURAL FILL EXISTS BENEATH THE BOTTOM OF FOUNDATION LEVEL. CONTRACTOR SHALL REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

**SCIOTO COUNTY REGIONAL
WATER DISTRICT NO. 1
WOODS RIDGE ELEVATED STORAGE TANK
SCIOTO COUNTY
LUCASVILLE, OHIO**

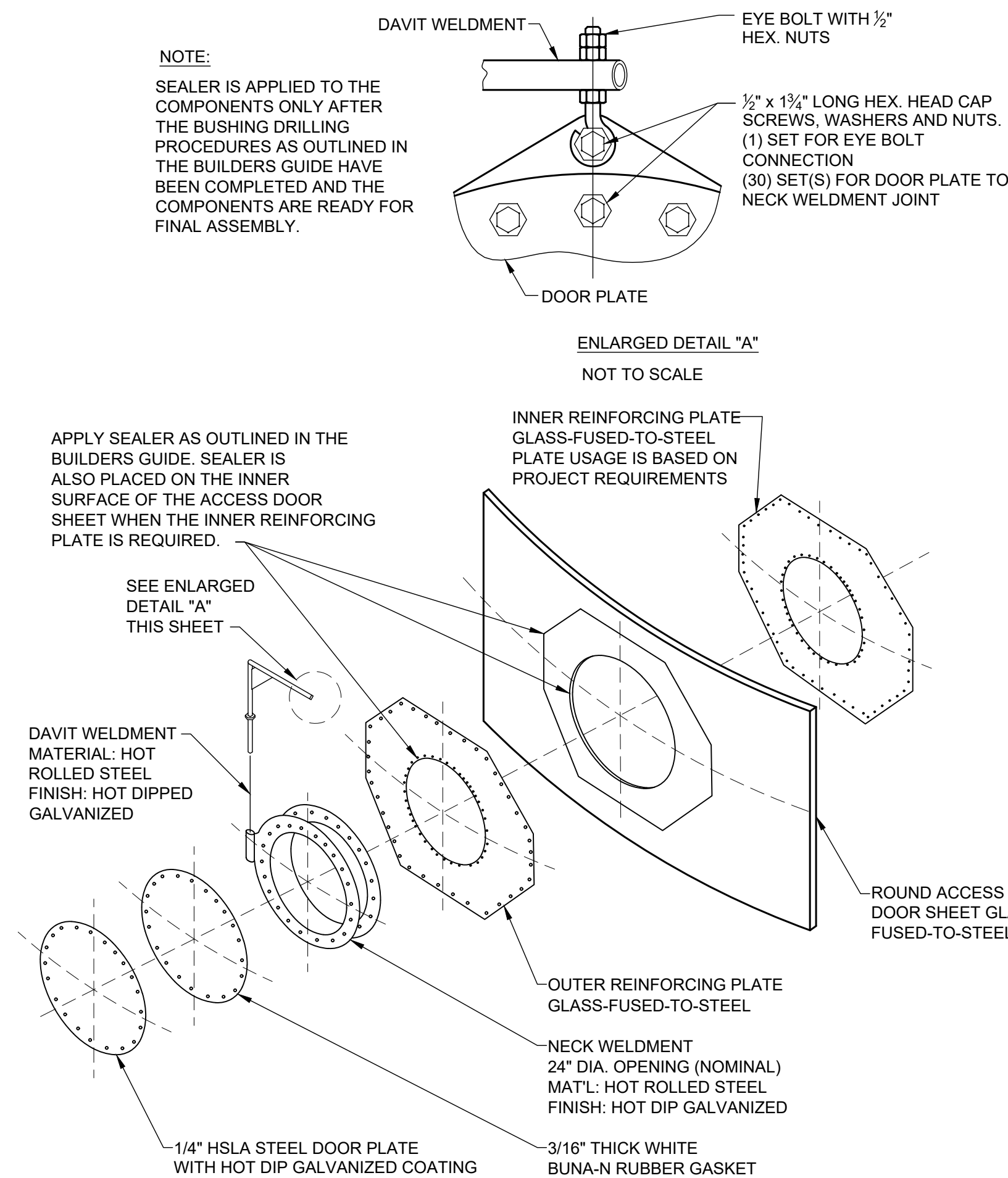
**SITE IMPROVEMENTS - 01 SERIES
WATER STORAGE TANK PLAN & SECTION**

PROJECT NO.	
241842	
DISCIPLINE	
CIVIL	
SHEET NAME	
01C-02	
SHEET	OF
4	8

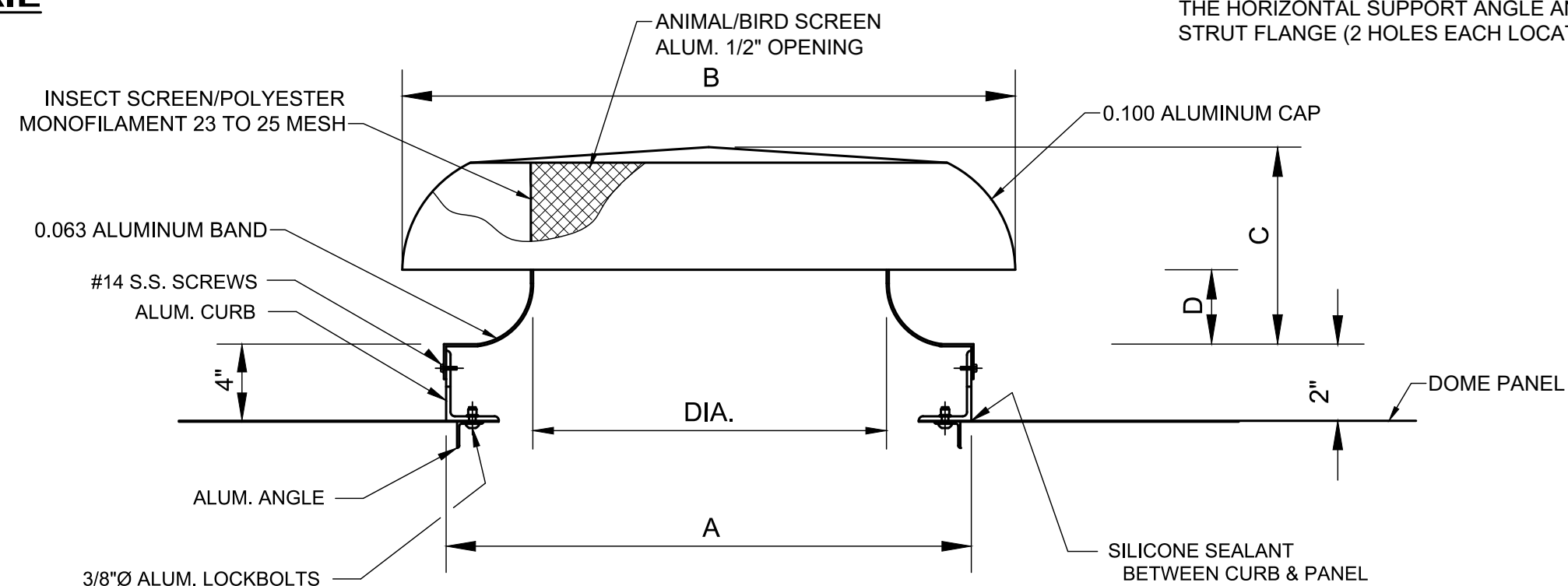
BID SET



ISSUED FOR:	BID SET	NO	REVISION	DATE
3/27/2025	1	2/4/2025		
AS NOTED				
DESIGNED BY:	BRA			
DRAWN BY:	AGD			
CHECKED BY:	BRA			



24" ACCESS DOOR DETAIL
NOT TO SCALE



DIMENSIONS

SIZE	A	B	C	D	DIA.	DAMPER SIZE	CURB MATERIAL	SHROUD MATERIAL
20"	28 3/8"	36 1/2"	11 3/4"	4 3/4"	20 1/2"	20 X 20	.064	.064

RELIEF PERFORMANCE CAPACITIES (CFM)

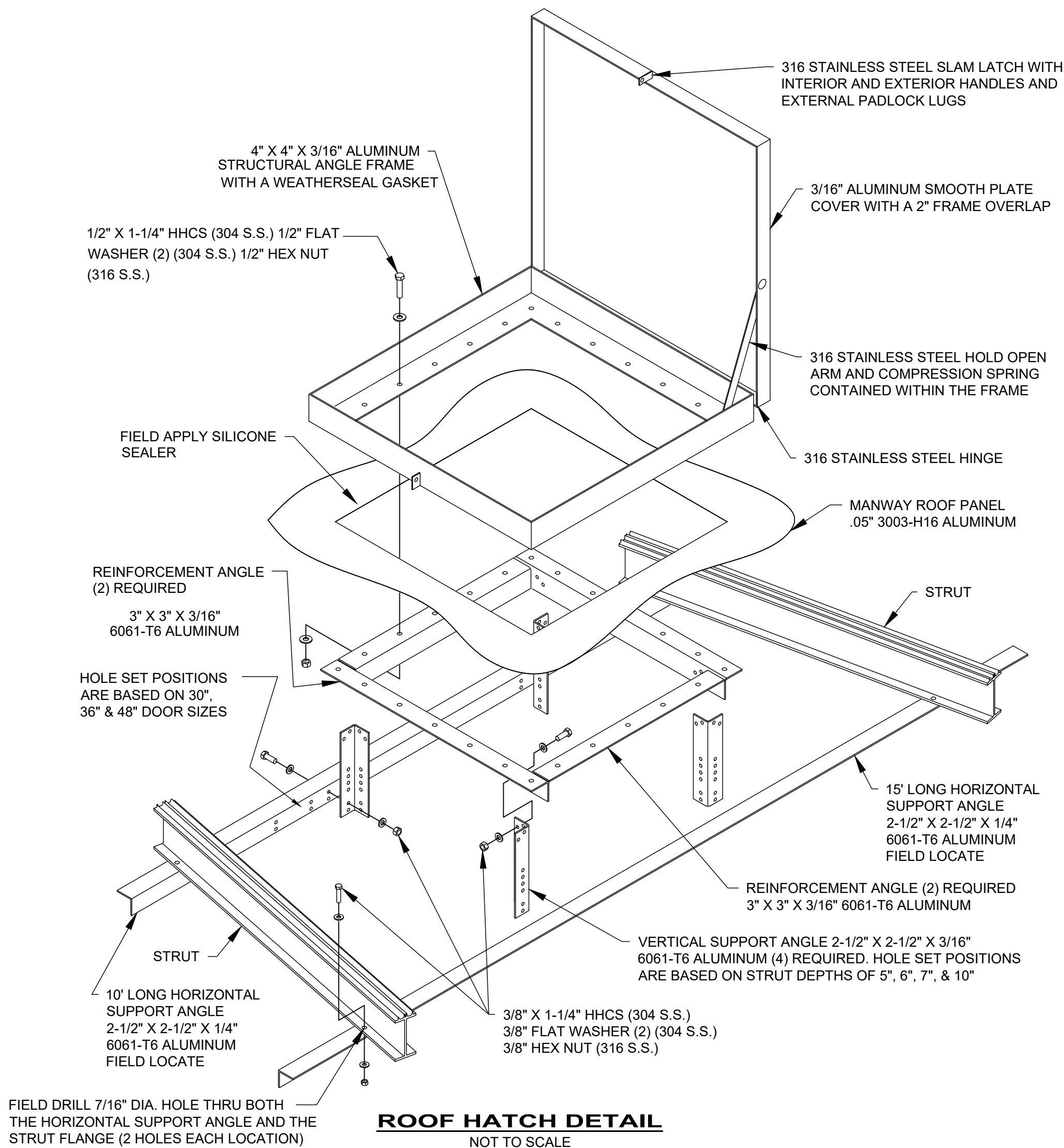
SIZE	THROAT AREA(Ft.) ²	.04PD	.06PD	.08PD	.10PD	.125PD	.187PD	.250PD	.300PD	.350PD
20"	2.25	1220	1520	1785	1995	2235	2730	3166	3513	3859

INTAKE PERFORMANCE CAPACITIES (CFM)

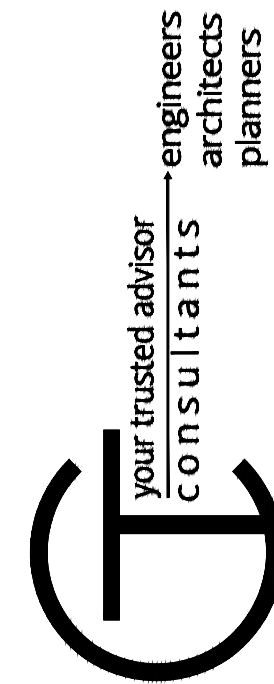
SIZE	THROAT AREA(Ft.) ²	.04PD	.06PD	.08PD	.10PD	.125PD	.187PD	.250PD	.300PD	.350PD
20"	2.25	1111	1368	1565	1745	1923	2399	2735	3003	3232

NOTE: CAPACITIES ARE MINIMUMS.
DIMENSIONS ARE NOMINAL.

ROOF VENT DETAIL
NOT TO SCALE



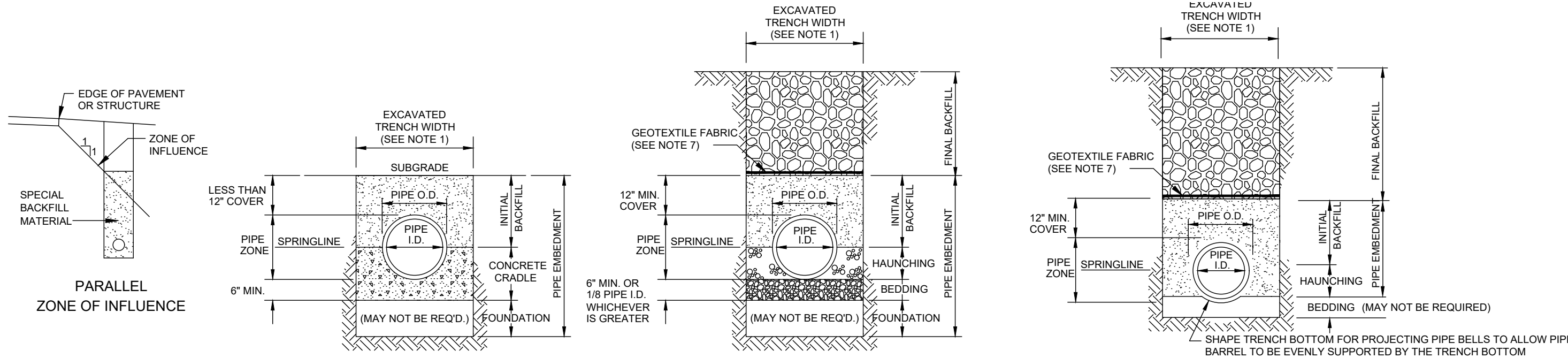
BID SET



ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	3/27/2025	1	OEPA RESUBMITTAL	2/4/2025
SCALE:	AS NOTED			
DESIGNED BY:	BRA			
DRAWN BY:	AGD			
CHECKED BY:	BRA			

SCIOTO COUNTY REGIONAL WATER DISTRICT NO. 1 WOODS RIDGE ELEVATED STORAGE TANK SCIOTO COUNTY LUCASVILLE, OHIO	PROJECT NO.
	241842
	DISCIPLINE
	CIVIL
	SHEET NAME
	01C-04
SHEET	OF
6	8

**SITE IMPROVEMENTS - 01 SERIES
WATER STORAGE TANK DETAILS**



CLASS 'A' PIPE EMBEDMENT

NOTES:

1. MAXIMUM EXCAVATED TRENCH WIDTH: THE MAXIMUM EXCAVATED TRENCH WIDTH FROM THE BOTTOM OF THE TRENCH TO 12" OVER THE TOP OF THE PIPE (WITHIN PIPE EMBEDMENT) SHALL BE O.D. + 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D. + 30" FOR PIPE FROM 24" I.D. TO 54" I.D. AND O.D. + 48" FOR PIPES SIZES 60" I.D. AND OVER.
2. FOUNDATION: WHERE AN UNSTABLE TRENCH BOTTOM CONDITION IS ENCOUNTERED, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH MATERIAL AS DIRECTED BY THE ENGINEER.
3. PIPE EMBEDMENT:
CLASS A: CLASS A PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNDER PAVEMENT OR STRUCTURES WITH LESS THAN 12 INCHES OF PIPE COVER TO THE SUBGRADE. THE CONCRETE CRADLE SHALL BE IN ACCORDANCE WITH ODOT ITEM 499, CLASS "C". THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.

CLASS B: CLASS B PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. THE BEDDING AND HAUNCHING SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT. IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 OR NO. 67 STONE GRANULAR PIPE EMBEDMENT. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER FOR ONLY REINFORCED CONCRETE PIPE AND DUCTILE IRON PIPE. THE INITIAL BACKFILL FOR ALL OTHER PIPES SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.

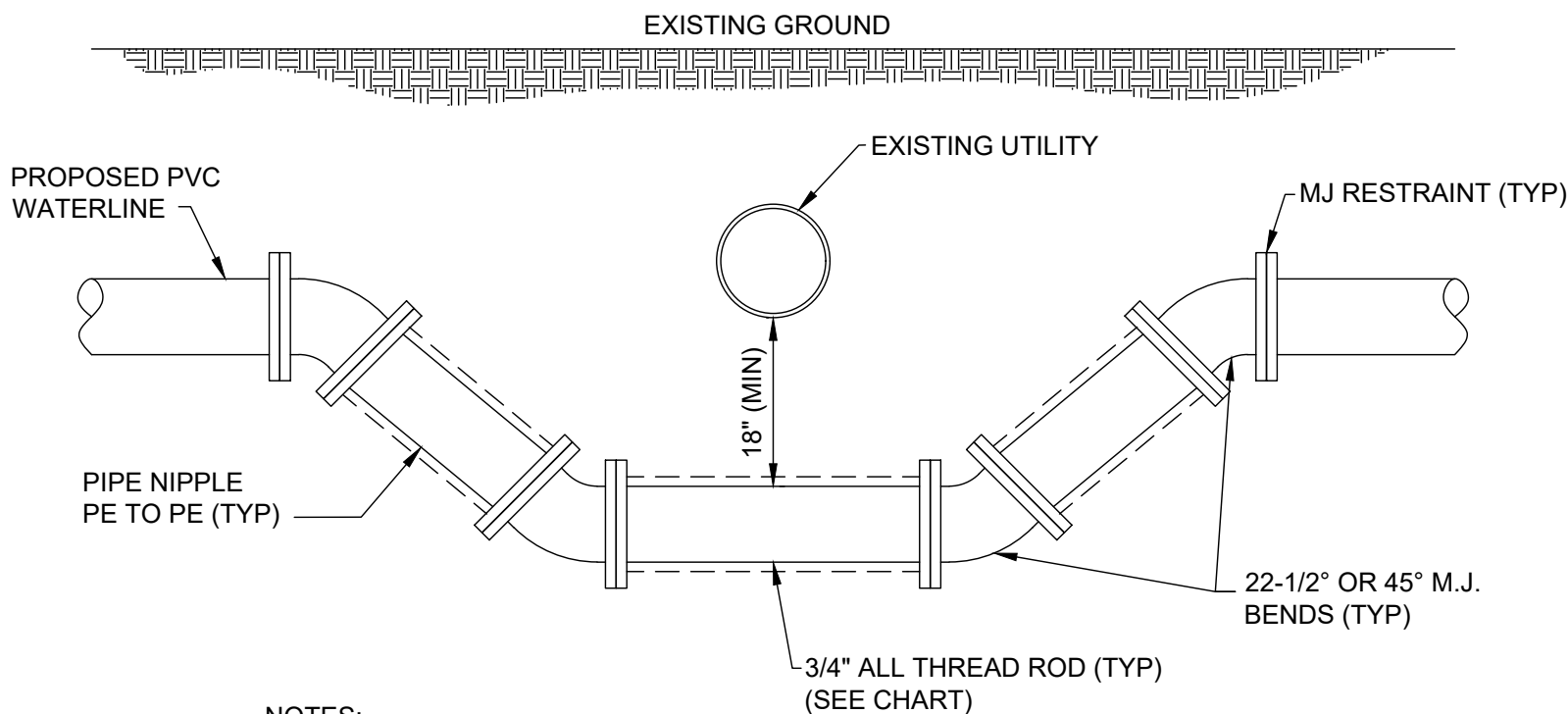
CLASS C: CLASS C PIPE EMBEDMENT SHALL ONLY BE USED FOR DUCTILE IRON WATER MAIN, DUCTILE IRON FORCE MAINS OR AS AUTHORIZED BY THE ENGINEER. THE PIPE EMBEDMENT SHALL BE AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE. THE PIPE EMBEDMENT SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE. WHERE ROCK OR SHALE IS ENCOUNTERED, A MINIMUM 6-INCHES OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE BEDDING OR SAND BEDDING SHALL BE PLACED AS DIRECTED BY THE ENGINEER.

4. FINAL BACKFILL: IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE THE FINAL BACKFILL SHALL BE SPECIAL BACKFILL MATERIAL. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE FINAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER.
5. SPECIFICATIONS: ALL TRENCHING, PIPE EMBEDMENT AND BACKFILL MATERIALS SHALL BE IN ACCORDANCE WITH SPECIFICATION 310000CT - EARTHWORK.
6. CLAY TRENCH DAMS: CLAY TRENCH DAMS SHALL BE REQUIRED AS SHOWN ON PLANS OR WHEN AND WHERE NECESSARY AS DIRECTED BY THE ENGINEER.
7. GEOTEXTILE FABRIC: INSTALL A GEOTEXTILE FABRIC IN ACCORDANCE WITH ODOT 712.09, TYPE A, AFTER ALL INITIAL BACKFILL CONSISTING OF AASHTO NO. 57 OR NO. 67 GRANULAR PIPE EMBEDMENT.
8. DETECTOR TAPE: IF REQUIRED IN THE SPECIFICATIONS, INSTALL DETECTABLE WARNING TAPE ABOVE UTILITIES, 12" BELOW FINISHED GRADE, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS.

TRENCHING, EMBEDMENT AND BACKFILL DETAIL

NOT TO SCALE

PIPE DIAMETER	NO OF RODS
4" & 6"	2
8"	3
10" & UP	4

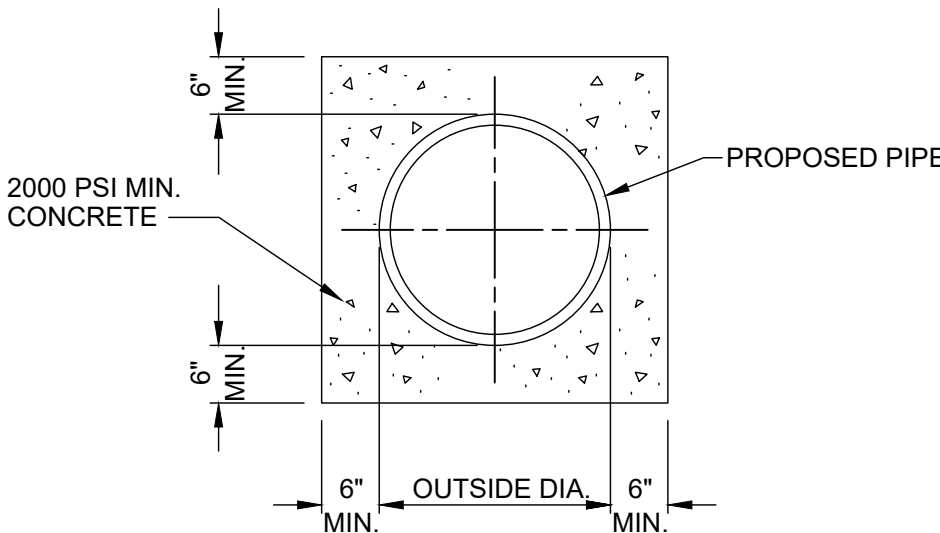


NOTES:

1. 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.
2. ALL JOINTS INVOLVED IN GRADE ADJUSTMENT SHALL INCORPORATE MECHANICAL JOINTS AND SHALL BE RESTRAINED.

TYPICAL WATERLINE GRADE ADJUSTMENT

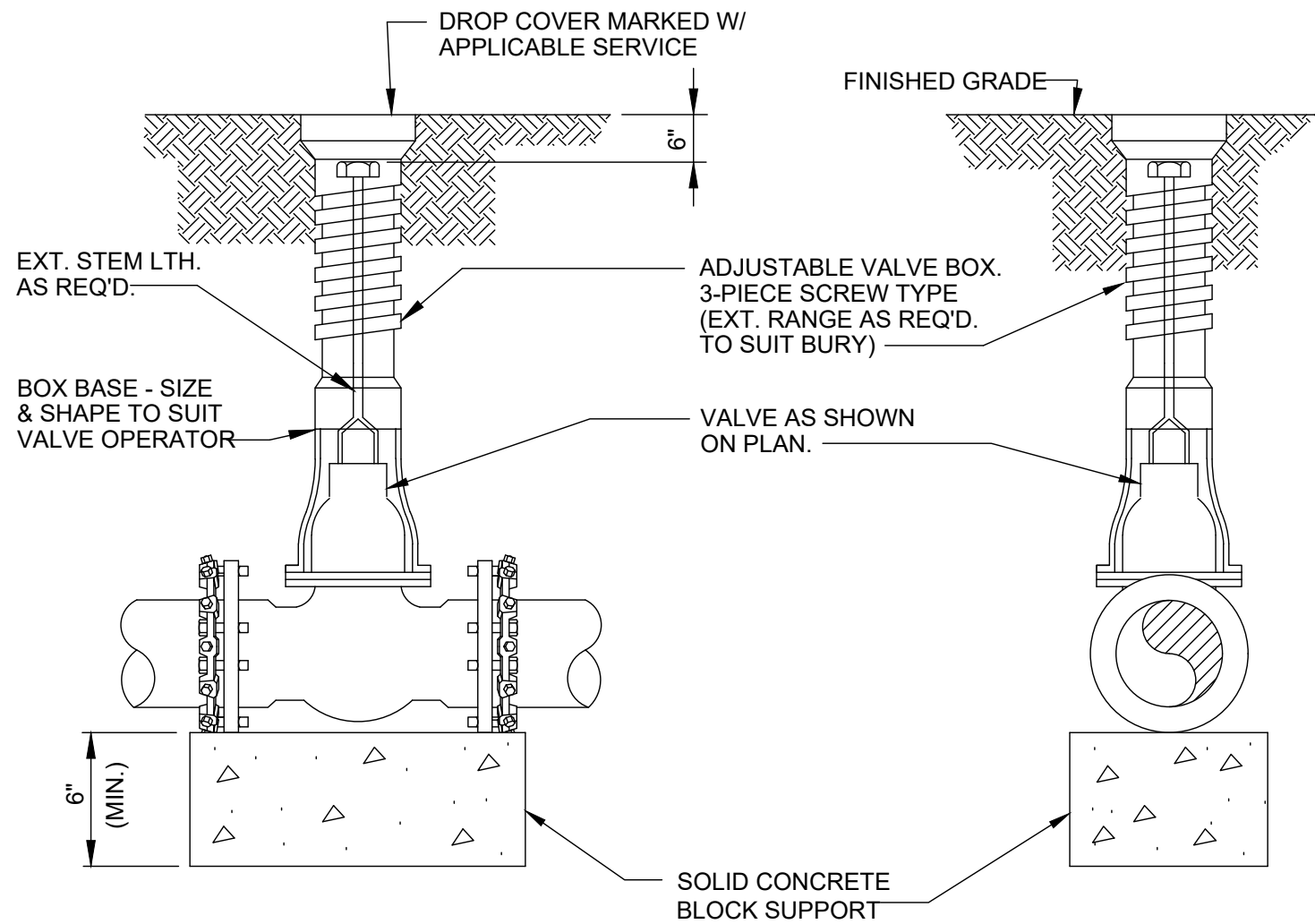
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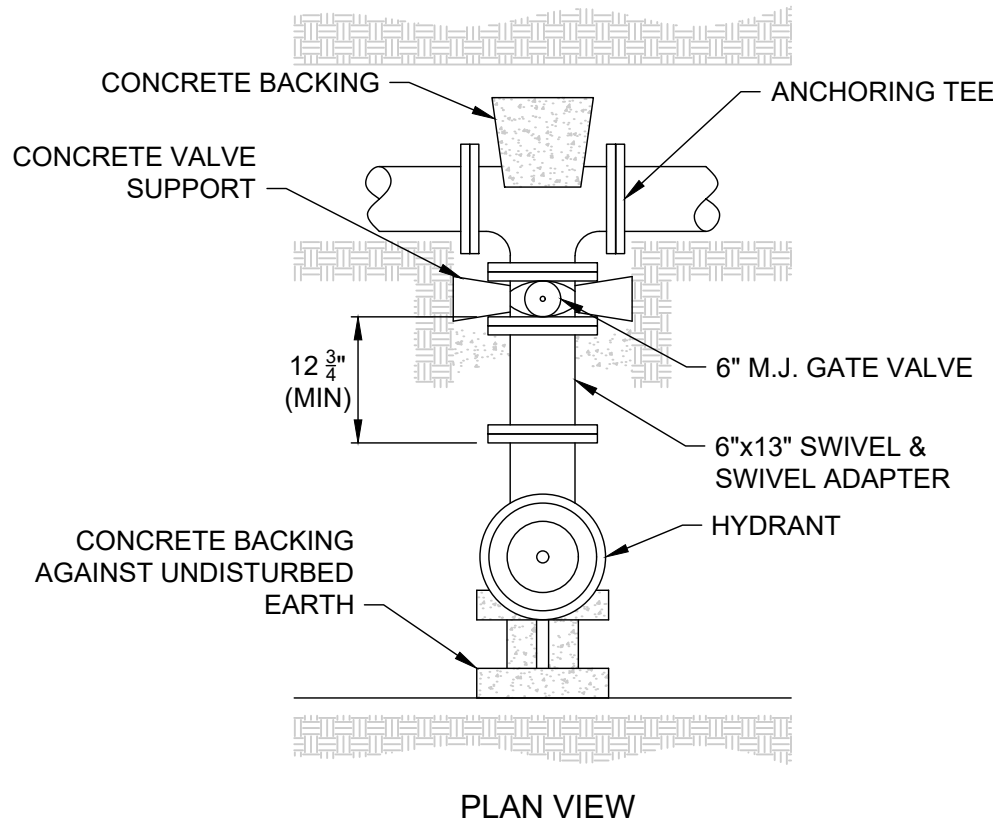
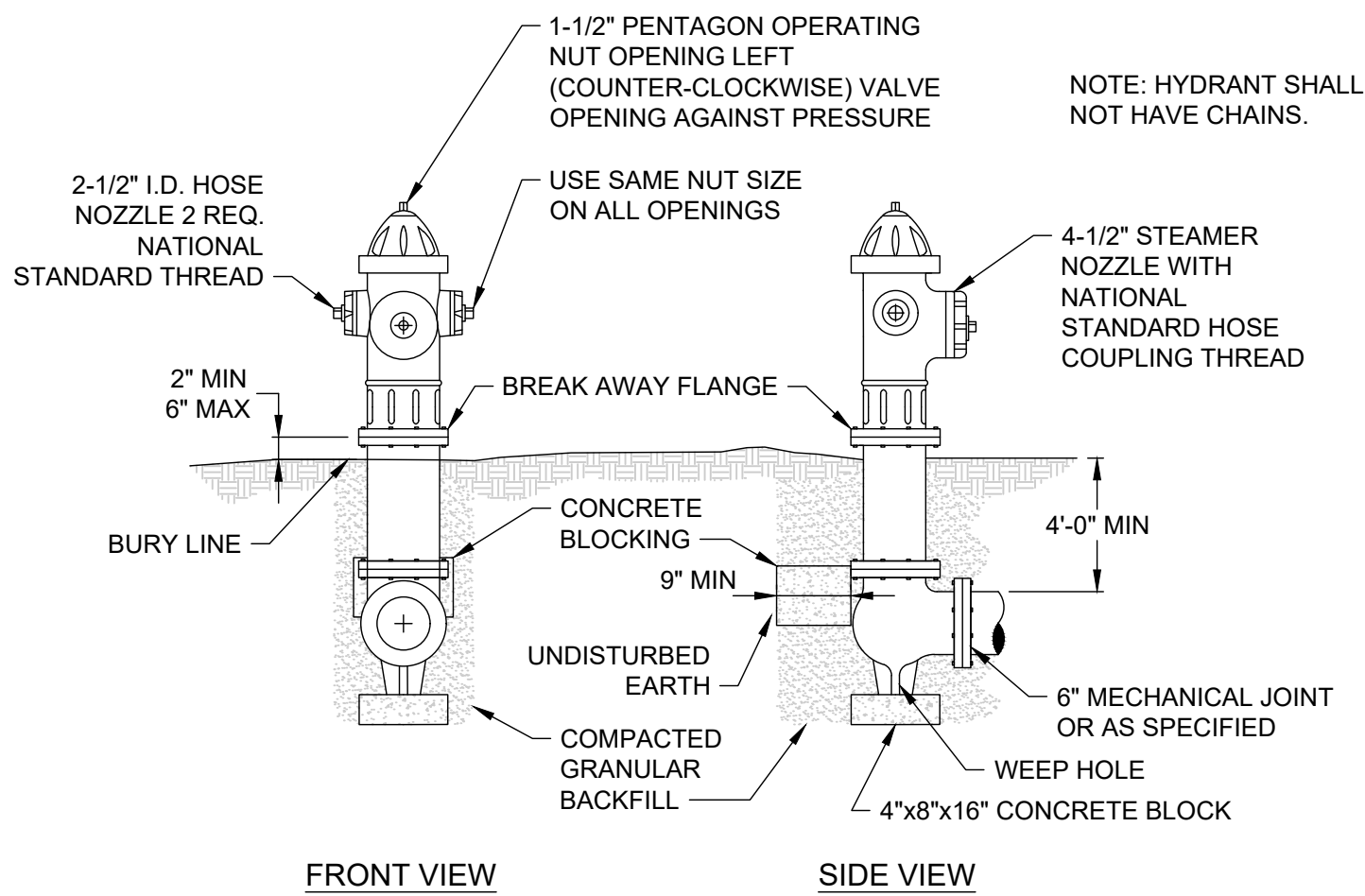
TYPICAL PIPE ENCASEMENT

NOT TO SCALE

SIZING SCHEDULE				BEARING FACE (X Y) IN SQ. FT.				CONCRETE VOLUME IN CU. YD.					
PIPE SIZE	22 1/2" BEND			45° BEND			PIPE SIZE	22 1/2" BEND			45° BEND		
	1000 P.S.F.	3000 P.S.F.	5000 P.S.F.	1000 P.S.F.	3000 P.S.F.	5000 P.S.F.		1000 P.S.F.	3000 P.S.F.	5000 P.S.F.			
4	1.40	0.46	0.26	2.70	0.90	0.54	6	2.80	0.93	0.56	5.50	1.83	1.10
	0.14	0.09	0.06	0.12	0.06	0.06		0.14	0.09	0.06	0.12	0.06	0.06
8	1.15	0.10	0.07	0.15	0.10	0.07	10	4.80	1.60	0.96	9.60	3.20	1.92
	0.20	0.13	0.09	0.23	0.15	0.09		0.20	0.13	0.09	0.23	0.15	0.09
12	7.90	2.63	1.96	15.70	5.23	3.14	14	0.53	0.34	0.22	0.34	0.20	0.13
	0.53	0.34	0.22	0.34	0.20	0.13		11.30	3.76	2.26	22.30	7.43	4.46
16	0.62	0.40	0.26	0.75	0.49	0.32	18	0.62	0.40	0.26	0.75	0.49	0.32
	15.30	5.10	3.06	30.20	10.06	6.04		15.30	5.10	3.06	30.20	10.06	6.04
20	0.74	0.48	0.31	0.98	0.64	0.42	22	0.74	0.48	0.31	0.98	0.64	0.42
	19.80	6.60	3.96	39.10	13.03	7.82		19.80	6.60	3.96	39.10	13.03	7.82
24	1.17	0.76	0.49	1.21	0.79	0.51	26	1.17	0.76	0.49	1.21	0.79	0.51
	24.40	8.16	4.89	48.80	16.04	9.65		24.40	8.16	4.89	48.80	16.04	9.65
28	29.10	9.75	5.85	58.20	19.10	11.52	30	29.10	9.75	5.85	58.20	19.10	11.52
	29.10	9.75	5.85	58.20	19.10	11.52		29.10	9.75	5.85	58.20	19.10	11.52
32	33.80	11.34	6.82	67.60	22.16	13.40	34	33.80	11.34	6.82	67.60	22.16	13.40
	33.80	11.34	6.82	67.60	22.16	13.40		33.80	11.34	6.82	67.60	22.16	13.40
36	38.50	12.93	7.79	77.00	25.21	15.28	38	38.50	12.93	7.79	77.00	25.21	15.28
	38.50	12.93	7.79	77.00	25.21	15.28		38.50	12.93	7.79	77.00	25.21	15.28
40	43.20	14.52	8.76	86.40	28.27	17.16	42	43.20	14.52	8.76	86.40	28.27	17.16
	43.20	14.52	8.76	86.40	28.27	17.16		43.20	14.52	8.76	86.40	28.27	17.16
44	47.90	16.11	9.73	95.80	31.32	19.04	46	47.90	16.11	9.73	95.80	31.32	19.04
	47.90	16.11	9.73	95.80	31.32	19.04		47.90	16.11	9.73	95.80	31.32	19.04
48	52.60	17.70	10.70	105.20	34.38	20.92	50	52.60	17.70	10.70	105.20	34.38	20.92
	52.60	17.70	10.70	105.20	34.38	20.92		52.60	17.70	10.70	105.20	34.38	20.92
52	57.30	19.29	11.67	114.60	37.43	22.80	54	57.30	19.29	11.67	114.60	37.43	22.80
	57.30	19.29	11.67	114.60	37.43	22.80		57.30	19.29	11.67	114.60	37.43	22.80
56	62.00	20.88	12.64	124.00	40.49	24.68	58	62.00	20.88	12.64	124.00	40.49	24.68
	62.00	20.88	12.64	124.00	40.49	24.68		62.00	20.88	12.64	124.00	40.49	24.68
60	66.70	22.47	13.61	133.40	43.54	26.56	62	66.70	22.47	13.61	133.40	43.54	26.56
	66.70	22.47	13.61	133.40	43.54	26.56		66.70	22.47	13.61	133.40	43.54	26.56
64	71.40	24.06	14.58	142.80	46.59	28.44	66	71.40	24.06	14.58	142.80	46.59	28.44
	71.40	24.06	14.58	142.80	46.59	28.44		71.40	24.06	14.58	142.80	46.59	28.44
68	76.10	25.65	15.55	152.20	49.64	30.32	70	76.10	25.65	15.55	152.20	49.64	30.32
	76.10	25.65	15.55	152.20	49.64	30.32		76.10	25.65	15.55	152.20	49.64	30.32
72	80.80	27.24	16.52	161.60	52.69	32.20	74	80.80	27.24	16.52	161.60	52.69	32.20
	80.80	27.24	16.52	161.60	52.69	32.20		80.80	27.24	16.52	161.60	52.69	32.20
76	85.50	28.83	17.49	171.00	55.74	34.08	78	85.50	28.83	17.49	171.00	55.74	34.08
	85.50	28.83	17.49	171.00	55.74	34.08		85.50	28.83	17.49	171.00	55.74	34.08
80	90.20	30.42	18.46	180.40	58.79	35.96	82	90.20	30.42	18.46	180.40	58.79	35.96
	90.20	30.42	18.46	180.40	58.79	35.96		90.20	30.42	18.46	180.40	58.79	35.96
84	94.90	32.01	19.43	189.80	61.84	37.84	86	94.90	32.01	19.43	189.80	61.84	37.84
	94.90	32.01	19.43	189.80	61.84	37.84		94.90	32.01	19.43	189.80	61.84	37.84
88	99.60	33.60	20.40	199.20	64.89	39.72	90	99.60	33.60	20.40	199.20	64.89	39.72
	99.60	33.60	20.40	199.20	64.89	39.72		99.60	33.60	20.40	199.20	64.89	39.72
92	104.30	35.19	21.37	208.60	67.94	41.60	94	104.30	35.19	21.37	208.60	67.94	41.60
	104.30	35.19	21.37	208.60	67.94	41.60		104.30	35.19	21.37	208.60	67.94	41.60
96	109.00	36.78	22.34	218.00	71.00	43.48	98	109.00	36.78	22.34	218.00	71.00	43.48
	109.00	36.78	22.34	218.00	71.00	43.48		109.00	36.78	22.34	218.00	71.00	43.48
100	113.70	38.37	23.31	227.40	74.05	45.36	102	113.70	38.37	23.31	227.40	74.05	43.48
	113.70	38.37	23.31	227.40	74.05	43.48		113.70	38.37	23.31	227.40	74.05	43.48
104	118.40	39.96	24.28	236.80	77.10	47.24	106	118.40	39.96	24.28	236.80	77.10	43.48
	118.40	39.96	24.28	236.80	77.10	43.48		118.40	39.96	24.28	236.80	77.10	43.48
108	123.10	41.55	25.25	246.20	80.16	49.12	110	123.10	41.55	25.25	246.20	80.16	43.48
	123.10	41.55	25.25	246.20	80.16	43.48		123.10	41.55	25.25	246.20	80.16	43.48
112	127.80	43.14	26.22	255.60	83.21	51.00	114	127.80	43.14	26.22	255.60	83.21	43.48
	127.80	43.14	26.22	255.60	83.21	43.48		127.80	43.14	26.22	255.60	83.21	43.48
116	132.50	44.73	27.19	265.00	86.26	52.88	118	132.50	44.73	27.19	265.00	86.26	43.48
	132.50	44.73	27.19	265.00	86.26	43.48		132.50	44.73	27.19	265.00	86.26	43.48
120	137.20	46.32	28.16	274.40	89.32	54.76	122	137.20	46.32	28.16	274.40	89.32	43.48
	137.20	46.32	28.16	274.40	89.32	43.48		137.20	46.32	28.16	274.40	89.32	43.48
124	141.90	47.91	29.13	283.80	92.37	56.64	126	141.90	47.91	29.13	283.80	92.37	43.48
	141.90	47.91	29.13	283.80	92.37	43.48		141.90	47.91	29.13	283.80	92.37	43.48
128	146.60	49.50	30.10	293.20	95.42	58.52	130	146.60	49.50	30.10	293.20	95.42	43.48
	146.60	49.50	30.10	293.20	95.42	43.48		146.60	49.50	30.10	293.20	95.42	43.48
132	151.30	51.09	31.07	302.60	98.48	60.40	134	151.30	51.09	31.07	302.60	98.48	43.48
	151.30	51.09	31.07	302.60	98.48	43.48		151.30	51.09	31.07	302.60	98.48	43.48
136	156.00	52.68	32.04	312.00	101.53	62.28	138	156.00	52.68	32.04	312.00	101.53	43.48
	156.00	52.68	32.04	312.00	101.53	43.48		156.00	52.68	32.04	312.00	101.53	43.48
140	160.70	54.27	33.01	321.40	104.58	64.16	142	160.70	54.27	33.01	321.40	104.58	43.48
	160.70	54.27	33.01	321.40	104.58	43.48		160.70	54.27	33.01	321.40	104.58	43.48
144	165.40	55.86	33.98	330.80	107.64	66.04	146	165.40	55.86	33.98	330.80	107.64	43.48
	165.40	55.86	33.98	330.80	107.64	43.48		165.40	55.86	33.98	330.80	107.64	43.48
148	170.10	57.45	34.95	340.20	110.69	67.92	150	170.10	57.45	34.95	340.20	110.69	43.48
	170.10	57.45	34.95	340.20	110.69	43.48		170.10	57.45	34.95	340.20	110.69	43.48
152	174.80	59.04	35.92	349.60	113.74	69.80	154	174.80	59.04	35.92	349.60	113.74	43.48
	174.80	59.04	35.92	349.60	113.74	43.48		174.80	59.04	35.92	349.60	113.74	43.48
156	179.50	60.63	36.89	359.00	116.79	71.68	158	179.50	60.63	36.89	359.00	116.79	43.48
	179.50	60.63	36.89	359.00	116.79	43.48		179.50	60.63	36.89	359.00	116.79	43.48
160	184.20	62.22	37.86	368.40	119.84	73.56	162	184.20	62.22	37.86	368.40	119.84	43.48
	184.20	62.22	37.86	368.40	119.84	43.48		184.20	62.22	37.86	368.40	119.84	43.48
164	188.90	63.81	38.83	377.80	122.89	75.44	166	188.90	63.81	38.83	377.80	122.89	43.48
	188.90	63.81	38.83	377.80	122.89	43.48		188.90	63.81	38.83	377.80	122.89	43.48
168	193.60	65.40	39.80	387.20	125.94	77.32	170	193.60	65.40	39.80	387.20	125.94	43.48
	193.60	65.40	39.80	387.20	125.94	43.48		193.60	65.40	39.80	387.20	125.94	43.48
172	198.30	66.99	40.77	396.60	129.00	79.20	174	198.30	66.99	40.77	396.60	129.00	43.48
	198.30	66.99	40.77	396.60	129.00	43.48		198.30	66.99	40.77	396.60	129.00	43.48
176	203.00	68.58	41.74	406.00	132.05	81.08	178	203.00	68.58	41.74	406.00	132.05	43.48
	203.00	68.58	41.74	406.00	132.05	43.48		203.00	68.58	41.74	406.00	132.05	43.48
180	207.70	70.17	42.71	415.40	135.10	82.96	182	207.70	70.17	42.71	415.40	135.10	43.48
	207.70	70.17	42.71										



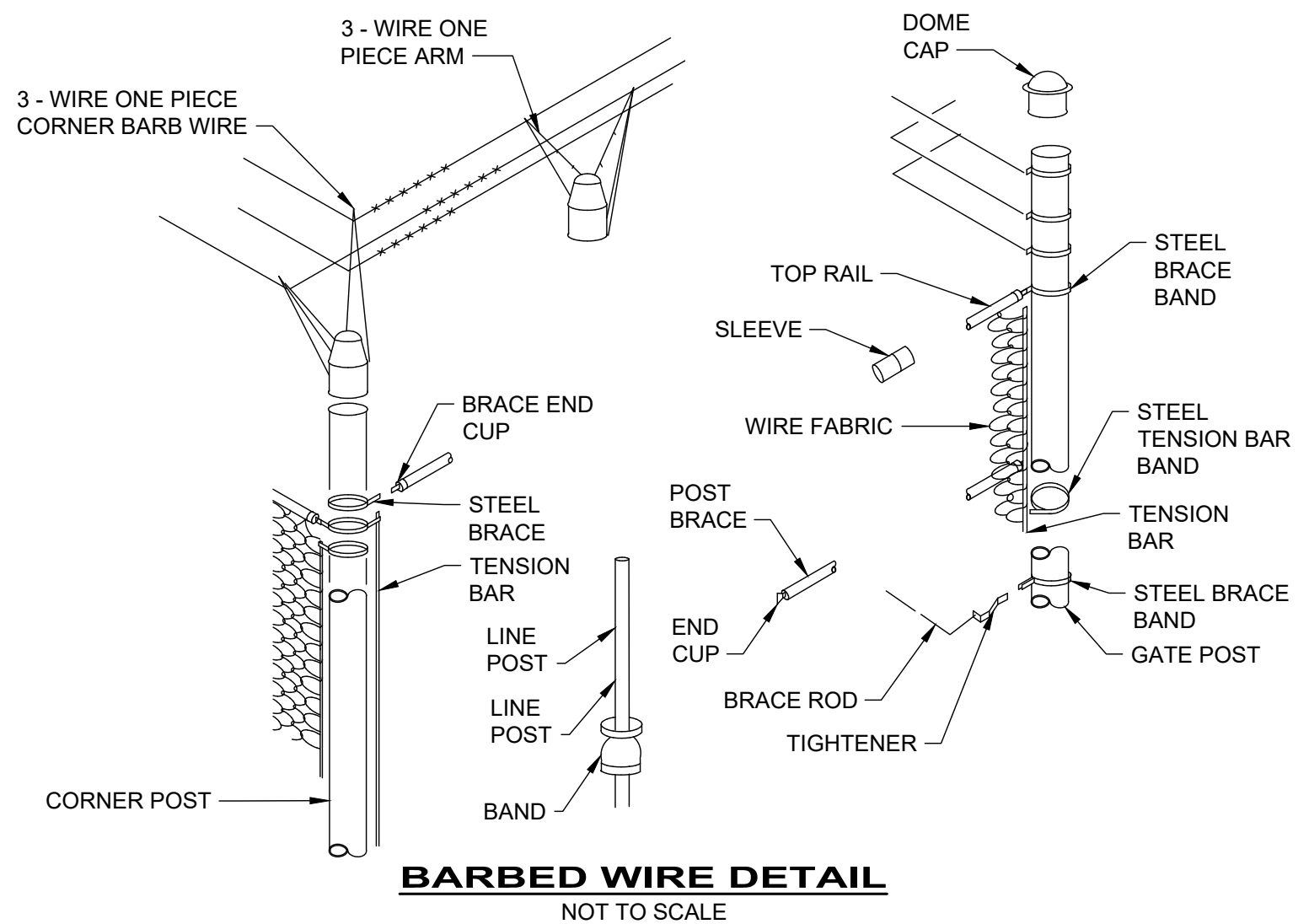
TYPICAL VALVE AND VALVE BOX SETTING
NOT TO SCALE



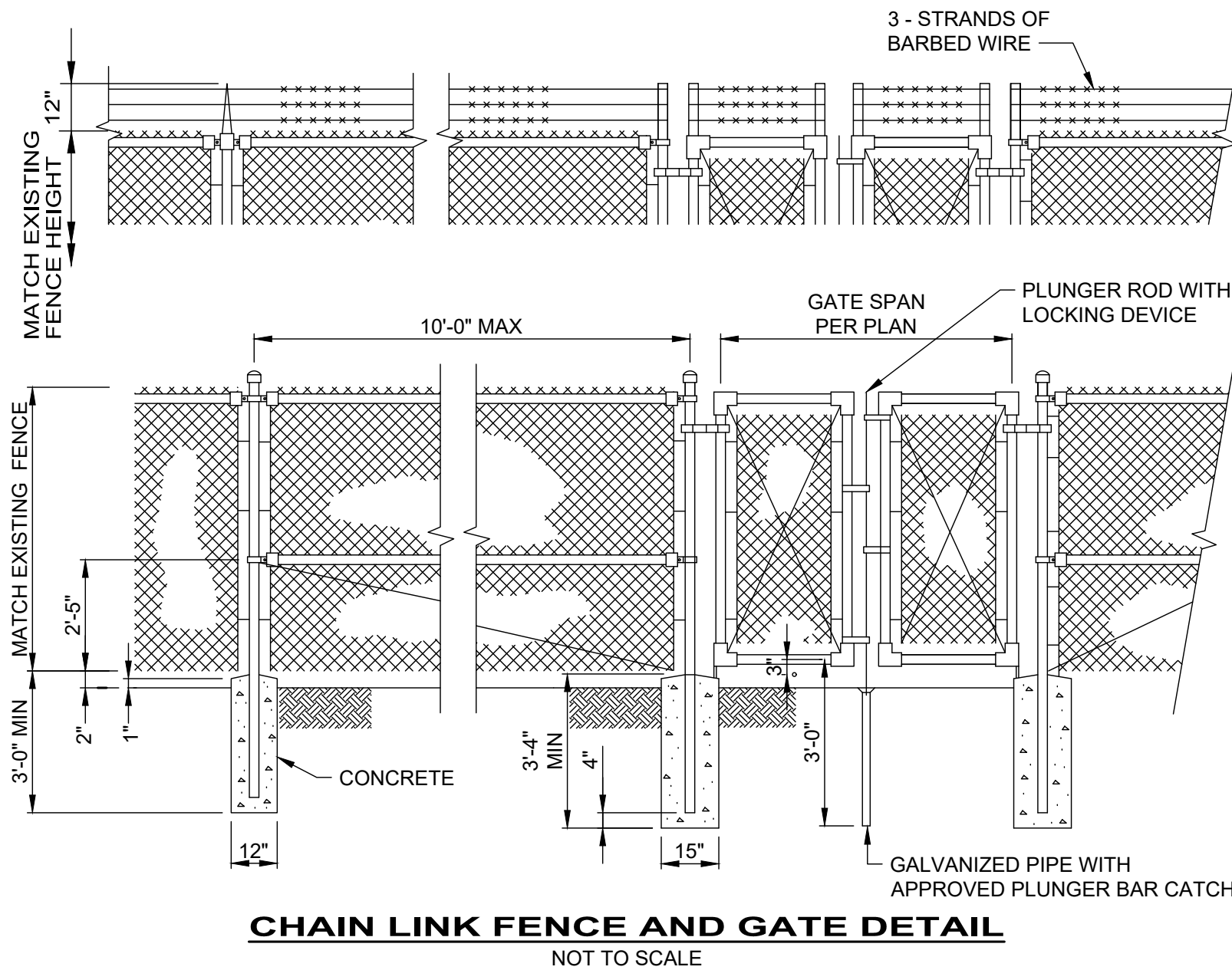
NOTES:

- 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 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.
- HYDRANT LATERAL MATERIAL SHALL MATCH WATER MAIN MATERIAL.
- WEEP HOLES SHALL BE PLUGGED.

TYPICAL 6" HYDRANT SETTING
NOT TO SCALE



BARBED WIRE DETAIL
NOT TO SCALE



CHAIN LINK FENCE AND GATE DETAIL
NOT TO SCALE

BID SET



ISSUED FOR:	BID SET	NO	REVISION	DATE
ISSUE DATE:	3/27/2025	1	OEPA RESUBMITTAL	2/4/2025
SCALE:	AS NOTED			
DESIGNED BY:	BRA			
DRAWN BY:	AGD			
CHECKED BY:	BRA			

SCIOTO COUNTY REGIONAL WATER DISTRICT NO. 1 WOODS RIDGE ELEVATED STORAGE TANK
SCIOTO COUNTY LUCASVILLE, OHIO
SITE IMPROVEMENTS - 01 SERIES
SITE CONSTRUCTION DETAILS

PROJECT NO.	241842
DISCIPLINE	CIVIL
SHEET NAME	01C-06
SHEET	8
OF	8