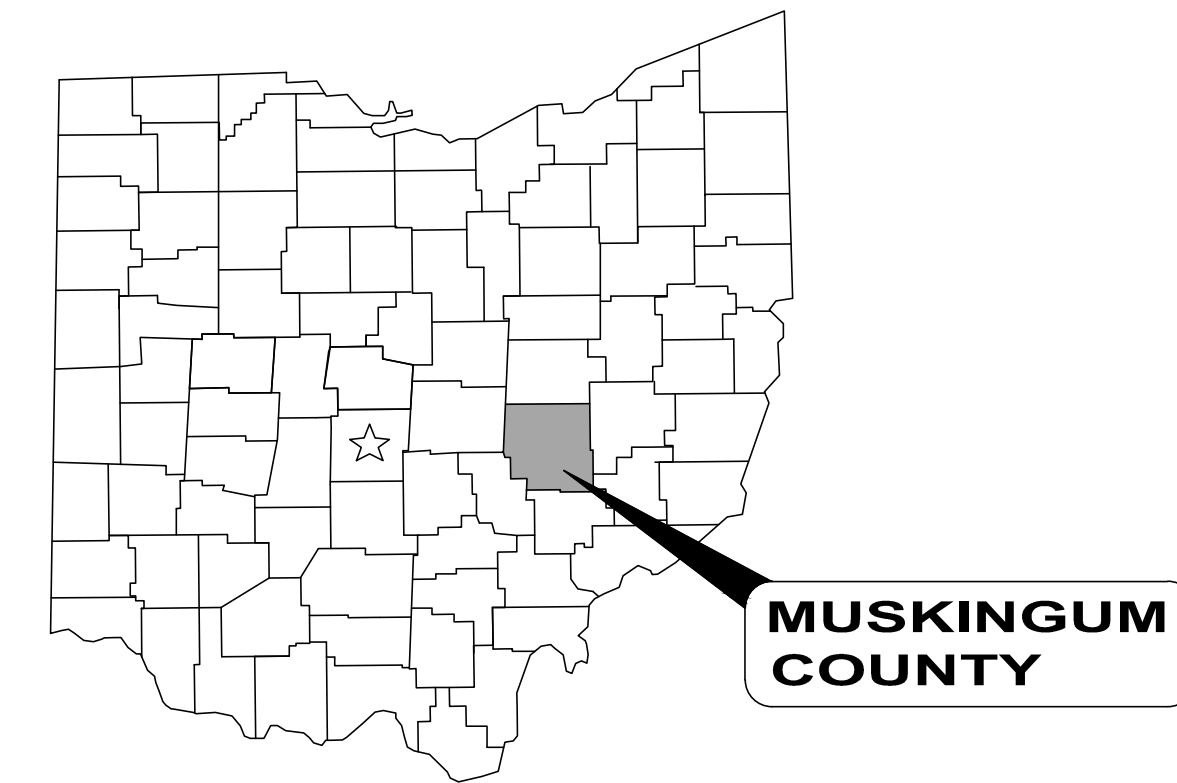


VILLAGE OF PHILO

3RD ST WATER STORAGE TANK REPLACEMENT

MUSKINGUM COUNTY, OHIO



DECEMBER 2018



LOCATION MAP
NOT TO SCALE

ADMINISTRATION:

LLOYD R. MILLER MAYOR
MELANIE SMITH TREASURER/FISCAL OFFICER

BOARD OF PUBLIC AFFAIRS:

TERRY LEE MOORE BOARD MEMBER
TIMOTHY ALLEN PARRILL JR BOARD MEMBER
ZACHARY FERGUSON BOARD MEMBER

APPROVALS:

Robert Pletcher 12-18-18
ROBERT PLETCHER, OPERATOR OF RECORD DATE

Terry Moore 12-18-18
TERRY MOORE, BPA PRESIDENT DATE

Lloyd Miller 12-18-18
LLOYD MILLER, MAYOR DATE

OFFICE:

VILLAGE OF PHILO
310 MAIN ST.
PHILO, OH 43771

(740) 674-4895 PHONE

PROJECT SITE:

WATER STORAGE TANK
HARRIS ST.
PHILO, OH 43771

ENGINEER:

CT CONSULTANTS, INC.
148 NORTH HIGH STREET
GAHANNA, OH 43230

(614) 471-7310 PHONE
(614) 471-7320 FAX



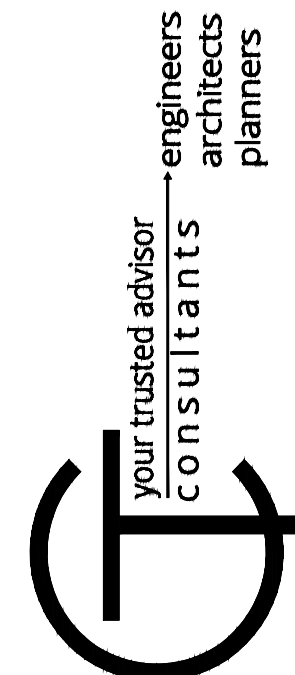
Barbara R. Anderson 12/18/18
BARBARA R. ANDERSON OHIO REG. No. E-51761 DATE



- 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.
- THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.



ENGINEER'S PROJECT No. 180749



NO	REVISION	DATE

VILLAGE OF PHILO
3rd ST WATER STORAGE
TANK REPLACEMENT

TITLE SHEET

PROJECT NO.	180749
DISCIPLINE	GENERAL
SHEET NAME	00G-01
SHEET	OF
1	7

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 OWNER'S 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 AND RIGHT OF WAY PERMITS FOR THE AREAS DESIGNATED ON THE DRAWINGS.

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	VILLAGE OF PHILO WATER DEPT. 310 MAIN ST. PHILO, OH 43771 (740) 674-4895
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OHIO OIL AND GAS PRODUCERS UNDERGROUND PROTECTION SERVICE 88 E. BROAD ST., SUITE 1400 COLUMBUS OH, 43215 (614) 715-2984	NATIONAL GAS & OIL CORP. 9325 BLACK RUN RD. NASHPORT, OH 43830 (740) 828-1007
---	--

AMERICAN ELECTRIC POWER 9595 MCGLADE SCHOOL RD. DRESDEN, OH 43821 (740) 455-6010	AT&T 3191 MAPLE AVE. ZANESVILLE, OH 43701 (740) 452-5906
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SURVEYS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERFORMING ALL DETAIL SURVEYS NEEDED FOR CONSTRUCTION.

ELEVATION DATUM: ALL ELEVATIONS ARE BASED ON U.S.G.S. 1988 DATUM.

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 C-900
 FITTINGS: AWWA C-153
 VALVES: AWWA C-509
 APPURTENANCES: AWWA/NSF STANDARDS AS APPLICABLE
 HYDRANTS: AWWA C-502

HYDROSTATIC TESTING: HYDROSTATIC TESTING OF THE WATERLINE SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF AWWA C600 OR AWWA C605 FOR DUCTILE IRON AND PVC WATERLINES, RESPECTIVELY.

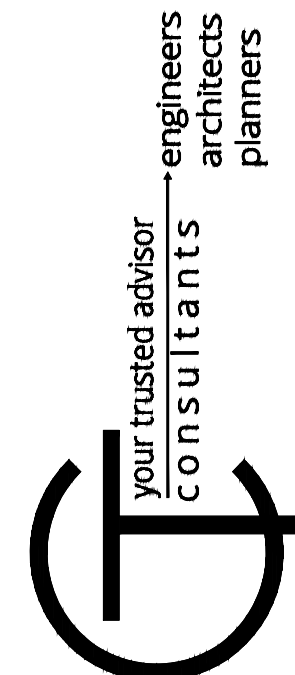
DISINFECTION: DISINFECTION OF THE INSTALLED FACILITIES SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF AWWA C651 FOR WATER LINES & AWWA C652 FOR WATER TANKS.

SHEET INDEX		
SHEET NUMBER	SHEET TITLE	SHEET NAME
GENERAL - 00 SERIES		
1	TITLE SHEET	00G-01
2	GENERAL NOTES	00G-02
CIVIL - 10 SERIES		
3	SITE PLAN	10C-01
4	TANK DETAILS 1	10C-02
5	TANK DETAILS 2	10C-03
6	TANK DETAILS 3	10C-04
7	TANK DETAILS 4	10C-05

SITE PLAN SYMBOLOGY:

- 915 ----- - EXISTING CONTOUR (MAJOR)
- 914 ----- - EXISTING CONTOUR (MINOR)
- ELEC-OH ----- - EXISTING ELECTRIC (OVERHEAD)
- ELEC-UG ----- - EXISTING ELECTRIC (UNDERGROUND)
- - EXISTING PAVEMENT
- EX R/W ----- - EXISTING RIGHT OF WAY
- STM --- - EXISTING STORM SEWER
- TREE --- - EXISTING TREE LINE
- WAT --- - EXISTING WATERLINE
- TANK --- - EXISTING WATER STORAGE TANK
- BUSH --- - EXISTING BUSHLINE
- FENCE --- - EXISTING CHAINLINK FENCE
- - EXISTING FOUNDATION
- - EXISTING ASPHALT ROAD
- - EXISTING GRAVEL DRIVE
- - EXISTING BUILDING
- - EXISTING GASLINE
- WWT --- - PROPOSED WATERLINE
- TANK --- - PROPOSED WATER STORAGE TANK
- FENCE --- - PROPOSED CHAINLINK FENCE
- ELEC --- - PROPOSED ELECTRIC (UNDERGROUND)
- PANEL --- - PROPOSED ELECTRIC PANELS

EXISTING SYMBOLS	
CATCH BASIN	
POLE, ELECTRIC	
POLE, TELEPHONE	
POLE, LIGHT	
SIGN	
ELECTRIC PEDESTAL	
TELEPHONE PEDESTAL	
EXISTING WATER VALVE	
EXISTING TREE	
EXISTING PROPERTY PIN	
BENCHMARK SET	

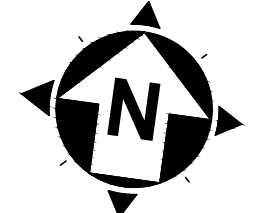


DATE	REVISION	NO	BIDDING	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
					05/31/19	AS SHOWN	ISC	ISC	BRA

**VILLAGE OF PHILO
3rd ST WATER STORAGE
TANK REPLACEMENT**

GENERAL NOTES

PROJECT NO. 180749	
DISCIPLINE GENERAL	
SHEET NAME 00G-02	
SHEET 2	OF 7



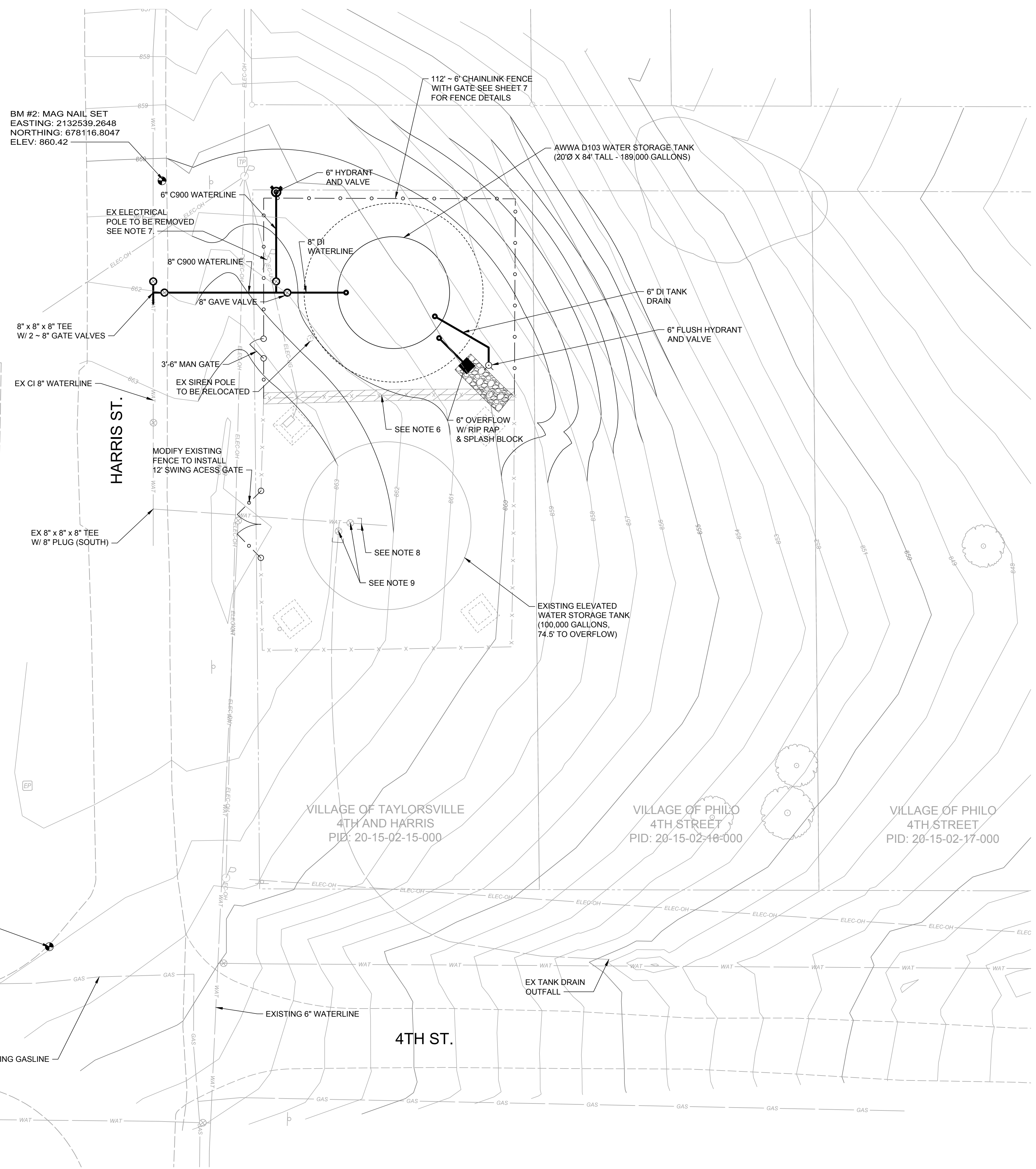
10' 0' 10'
SCALE: 1" = 10'

NOTES:

1. TANK LOCATION (COORDINATES)
EASTING: 2132583.0574
NORTHING: 678102.7535
2. CONTRACTOR SHALL COORDINATE WITH OWNER TO REMOVE EXISTING WATER STORAGE TANK AT SITE FROM OPERATION. UPON APPROVAL OF OWNER, EXISTING TANK SHALL BE DEMOLISHED. CONTRACTOR SHALL REMOVE ALL TANK DEBRIS FROM SITE AND ARRANGE FOR PROPER DISPOSAL OF MATERIAL. DEMOLITION ACTIVITIES SHALL INCLUDE DEMOLITION OF EXISTING TANK FOUNDATIONS TO A POINT 2 FEET BELOW GRADE.
3. IN PREPARING THE CONSTRUCTION SCHEDULE THE CONTRACTOR SHALL LIMIT THE NUMBER OF WATER DEPRESSURIZATIONS TO THE EXTENT POSSIBLE. ALL DEPRESSURIZATIONS SHALL BE COORDINATED WITH THE OWNER A MINIMUM OF 72 HOURS IN ADVANCE.
4. CONTRACTOR SHALL RESTRICT CONSTRUCTION TRAFFIC TO SITE.
5. CONTRACTOR TO REMOVE AND STORE PORTIONS OF FENCE NOT CALLED TO BE DEMO TO FACILITATE EXISTING TANK DEMOLITION. AFTER TANK DEMOLITION RESTORE EXISTING FENCE AND INTERFACE WITH NEW FENCE AND COMPONENTS.
6. CONTRACTOR TO COORDINATE WITH OWNER ON RELOCATION OF EXISTING SIREN POLE PRIOR TO START OF CONSTRUCTION APPLICATIONS.
7. CONTRACTOR TO COORDINATE WITH ELECTRIC SERVICE UTILITY TO REMOVE ELECTRIC SERVICE FROM SITE. REMOVE POLE AND SERVICE EQUIPMENT. ABANDON EX CONDUIT BELOW GRADE.
8. ONCE EXISTING TANK HAS BEEN REMOVED FROM SERVICE AND DRAINED, CONTRACTOR SHALL EXPOSE EXISTING TANK INLET BETWEEN VALVE AND TANK RISER. LINE SHALL BE CUT, A PLUG INSTALLED AND CONCRETE BLOCKING INSTALLED.
9. ONCE DRAINING OF TANK HAS BEEN COMPLETED, VALVES SHALL BE CLOSED AND ABANDONED IN PLACE. VALVE BOXES SHALL BE REMOVED AS SHOWN IN DETAIL SHEET 7.

BM #2: MAG NAIL SET
EASTING: 2132539.2648
NORTHING: 678116.8047
ELEV: 860.42

BM #1: MAG NAIL SET
EASTING: 677978.3697
NORTHING: 2132538.3298
ELEV: 862.12



GREEN CHARLES D.
803 4TH STREET
PID: 20-15-03-16-000

GREEN CHARLES D.
803 4TH STREET
PID: 20-15-03-17-000

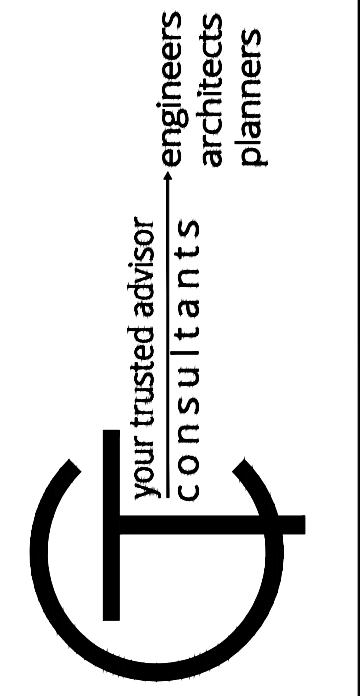
VILLAGE OF TAYLORSVILLE
4TH AND HARRIS
PID: 20-15-02-15-000

VILLAGE OF PHILO
4TH STREET
PID: 20-15-02-16-000

VILLAGE OF PHILO
4TH STREET
PID: 20-15-02-17-000

4TH ST.

4TH ST.

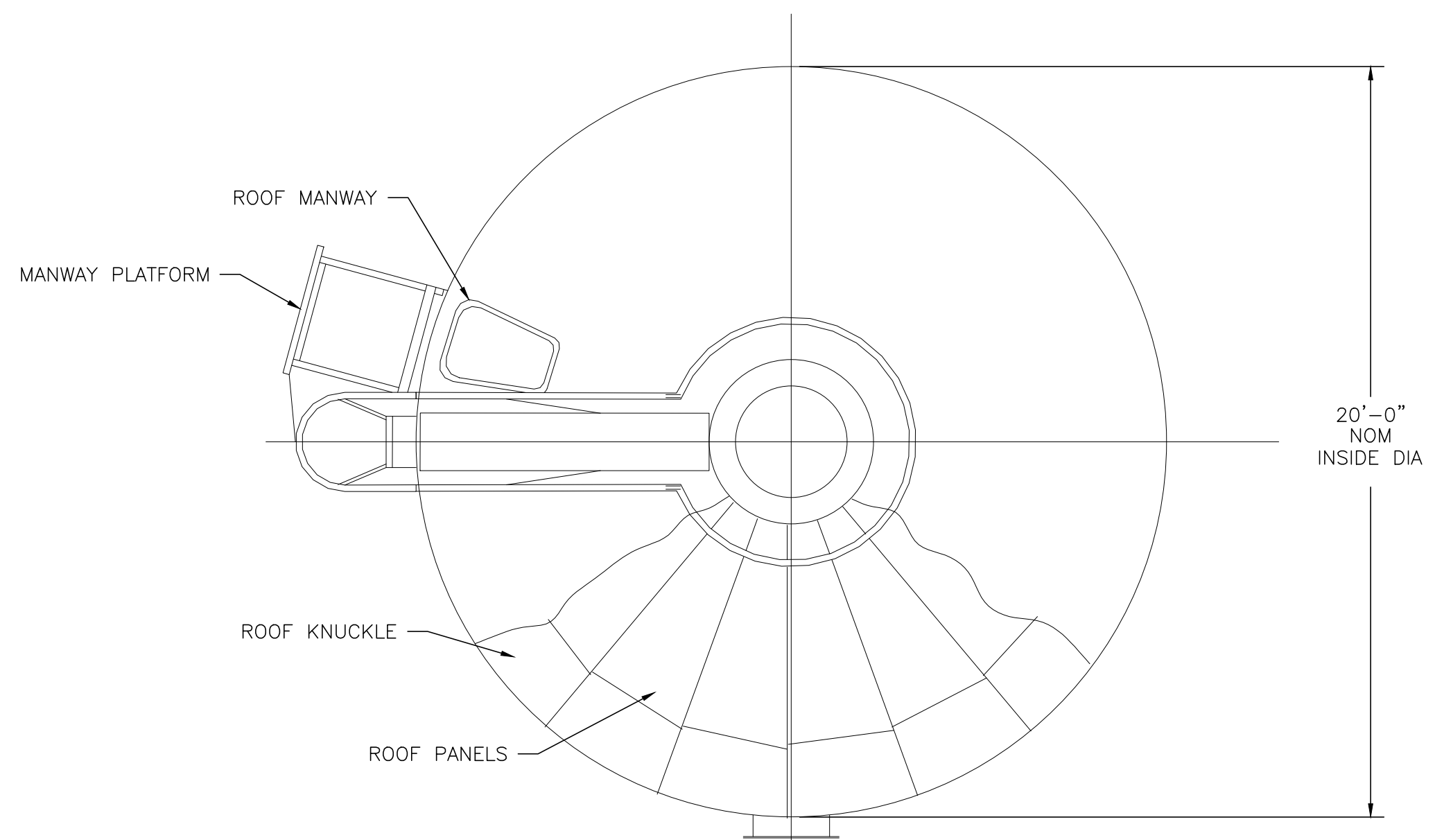


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ISSUE DATE: 05/31/19	05/31/19			
SCALE: AS SHOWN				
DESIGNED BY: ISC				
DRAWN BY: ISC				
CHECKED BY: BRA				

**VILLAGE OF PHILO
3rd ST WATER STORAGE
TANK REPLACEMENT**

SITE PLAN

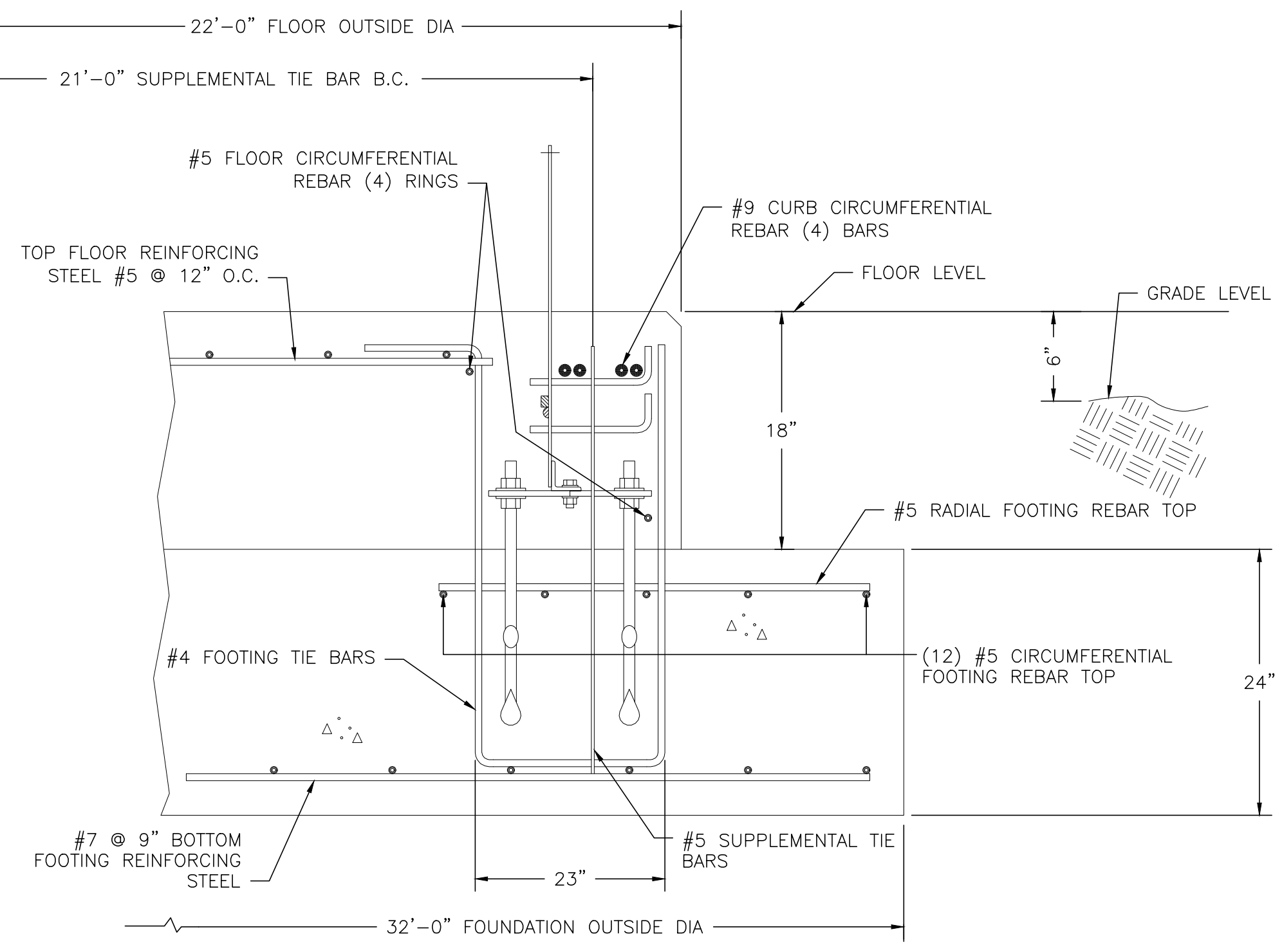
PROJECT NO.	180749
DISCIPLINE	CIVIL
SHEET NAME	10C-01
SHEET	OF
3	7



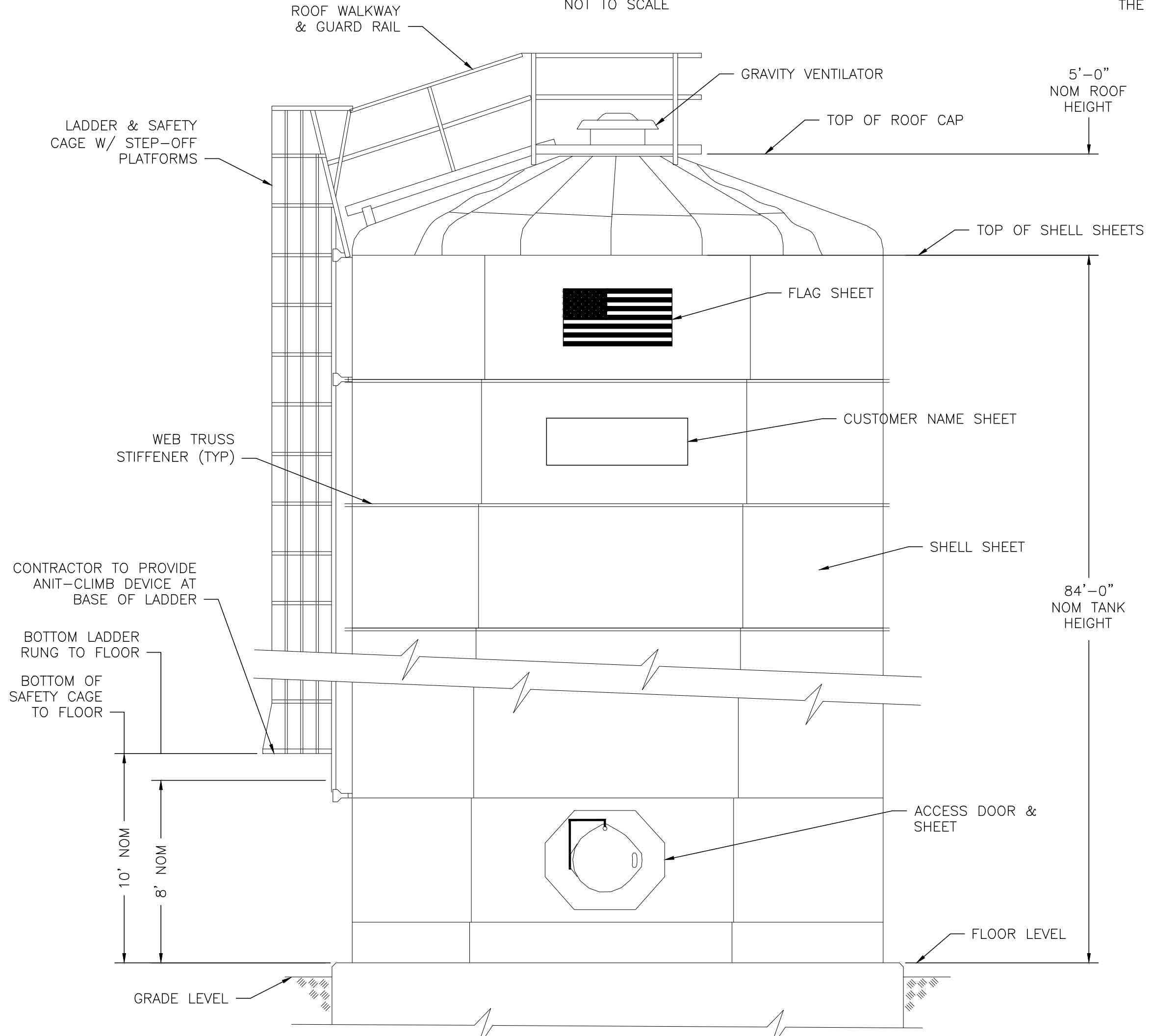
ROOF PLAN
NOT TO SCALE

NOTES:

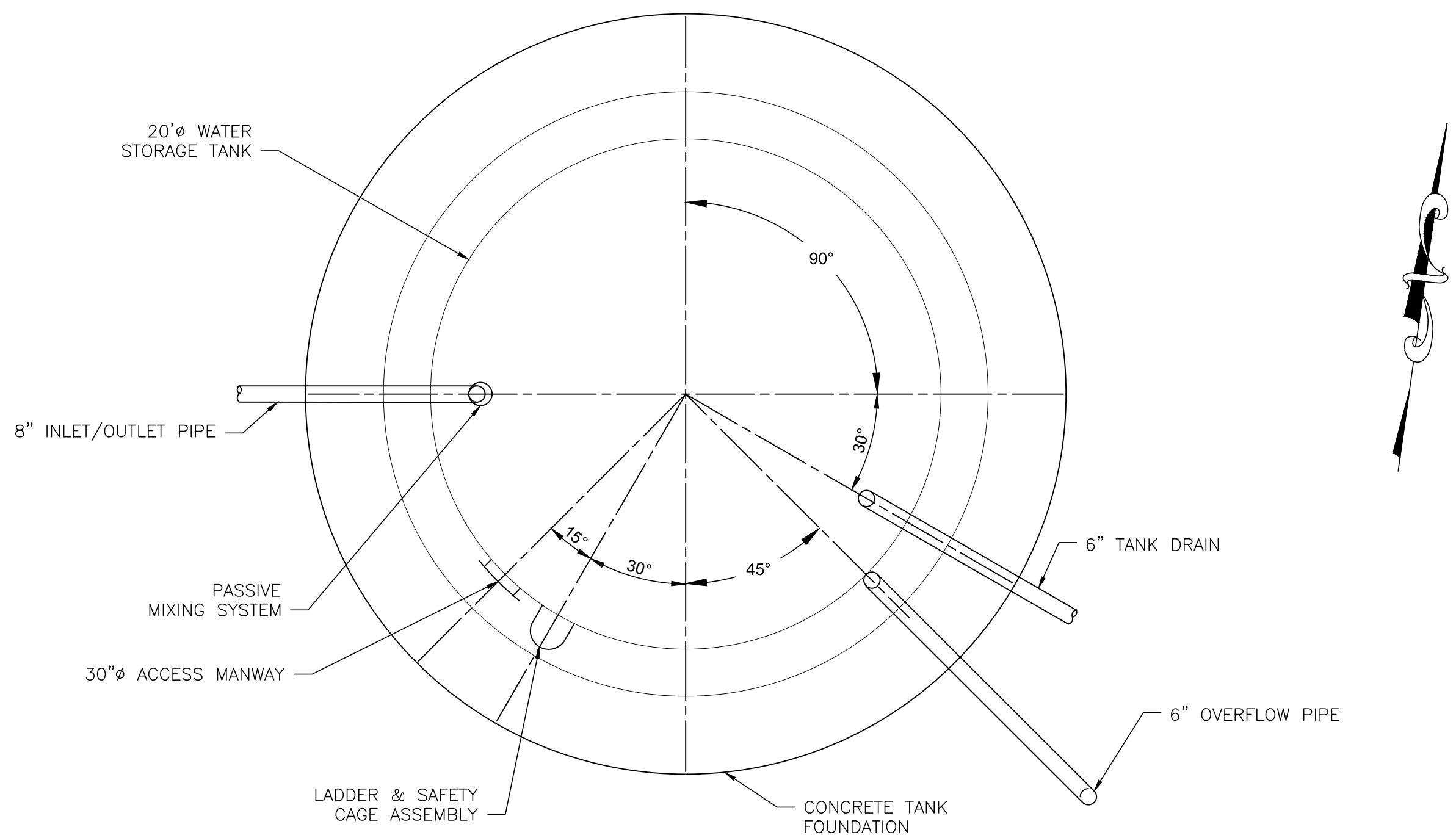
- FOUNDATION DESIGN:** FOUNDATION DESIGN SHOWN IS REPRESENTATIVE IN NATURE. ACTUAL FOUNDATION DESIGN SHALL BE THE RESPONSIBILITY OF THE TANK MANUFACTURER AND SHALL BE BASED UPON THE LOADINGS, SEISMIC CONDITIONS AND OTHER SAFETY FACTORS AS OUTLINED IN THE GEOTECHNICAL REPORT ASSOCIATED WITH THIS PROJECT. 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 SHOULD BE PREPARED IN ACCORDANCE WITH THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT.



SECTION THROUGH FOOTING
NOT TO SCALE

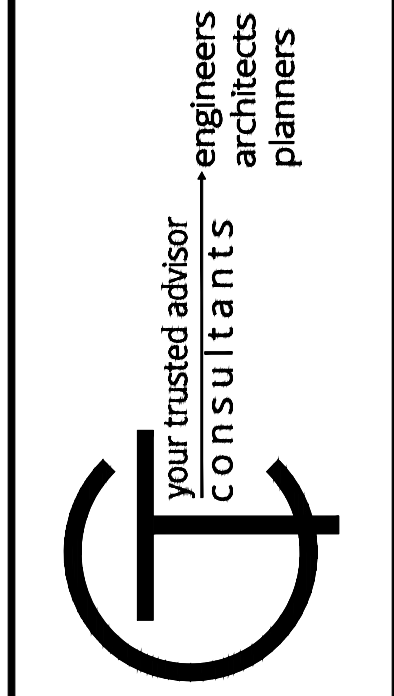


TANK ELEVATION
NOT TO SCALE



TANK FOUNDATION PLAN
NOT TO SCALE

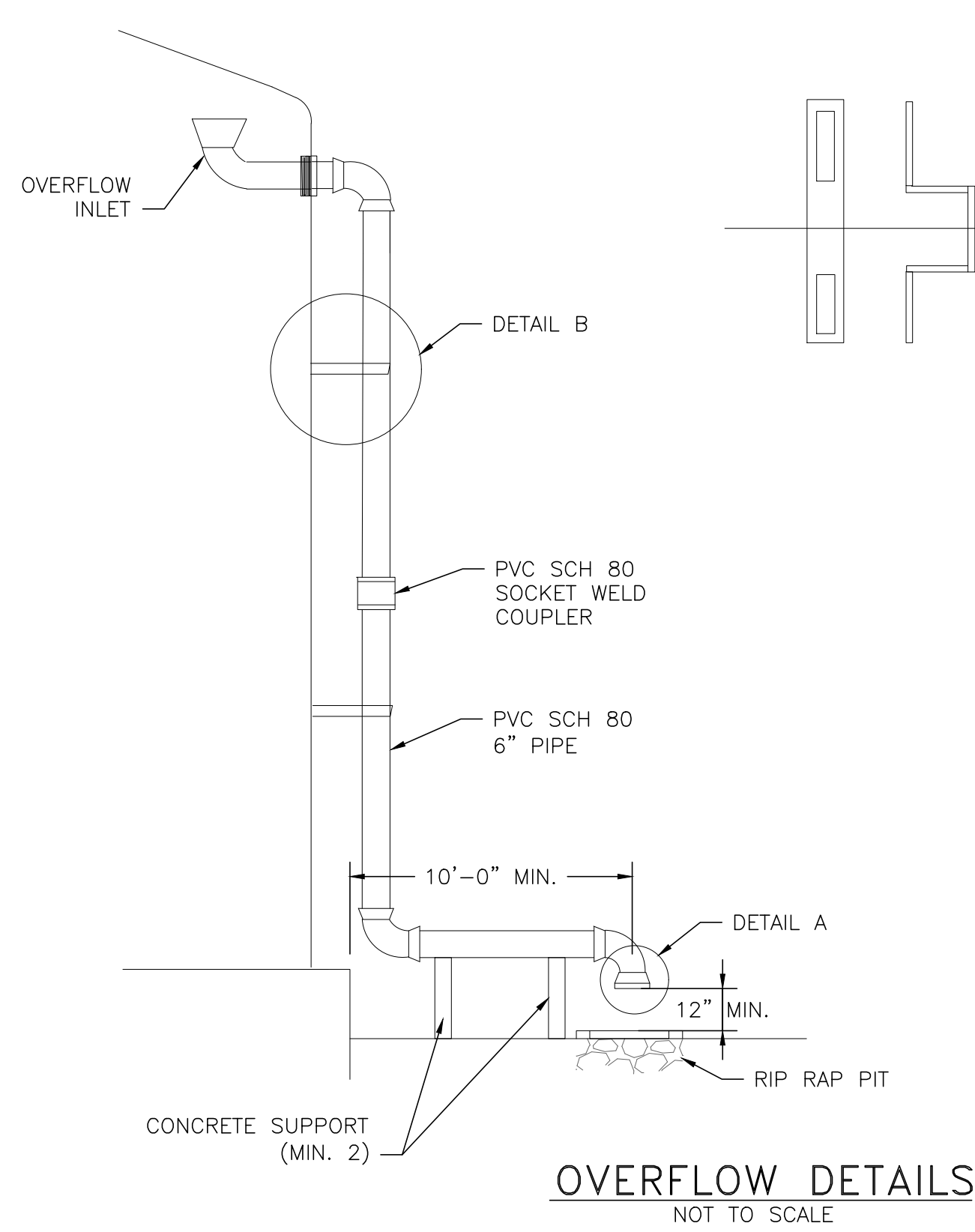
NOMINAL CAPACITY	NOMINAL HEIGHT	NOMINAL DIAMETER	INLET/OUTLET DIAMETER	TANK DRAIN	OVERFLOW DIA	OVERFLOW ELEV	BASE ELEV	GRADE ELEV	MIN OVERFLOW RATE
189,000 GAL	84'-0"	20'-0"	8"	6"	6"	945.00	861.00	860.5±	130 GPM



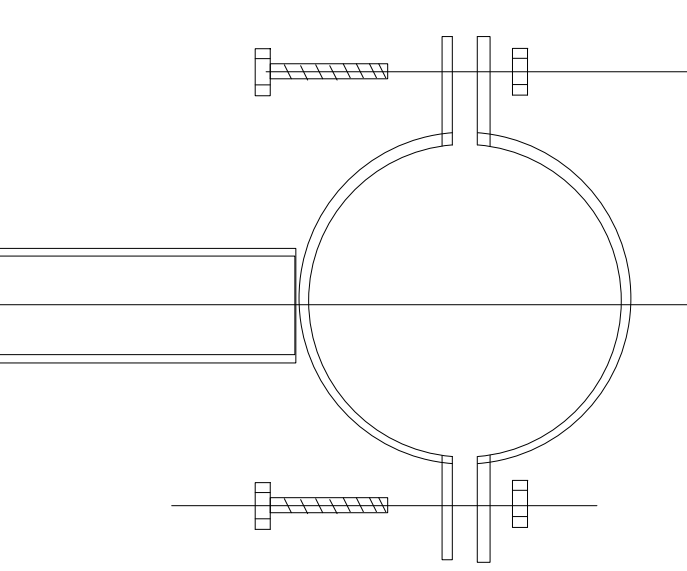
ISSUED FOR:	BIDDING	NO	REVISION	DATE
ISSUE DATE:	05/31/19			
SCALE:	AS SHOWN			
DESIGNED BY:	ISC			
DRAWN BY:	ISC			
CHECKED BY:	BRA			

VILLAGE OF PHILO
3rd ST WATER STORAGE
TANK REPLACEMENT
TANK DETAILS 1

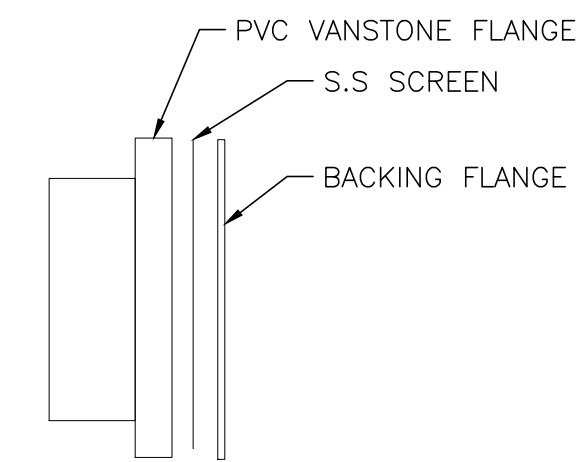
PROJECT NO.	180749
DISCIPLINE	CIVIL
SHEET NAME	10C-02
SHEET	4
OF	7



OVERFLOW DETAILS
NOT TO SCALE

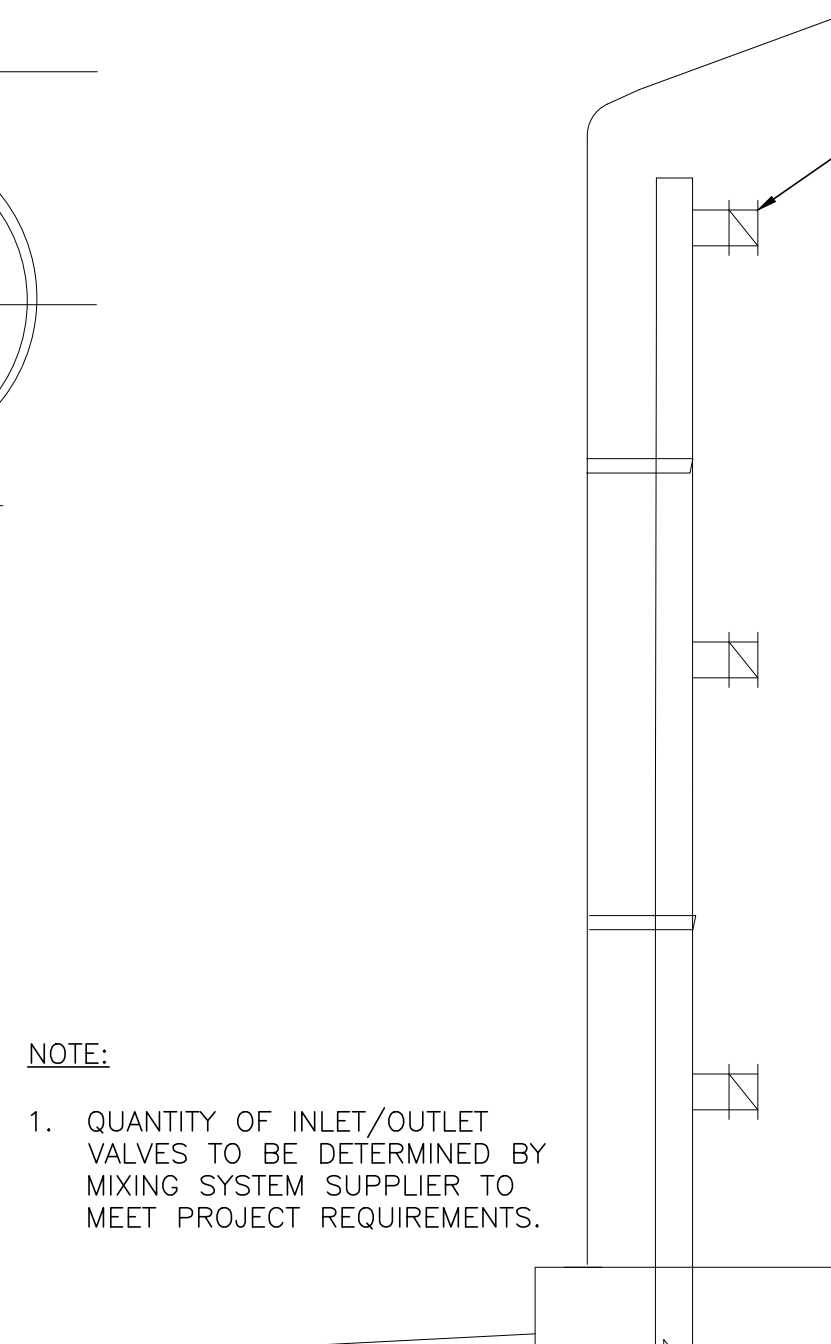


DETAIL-B
NOT TO SCALE

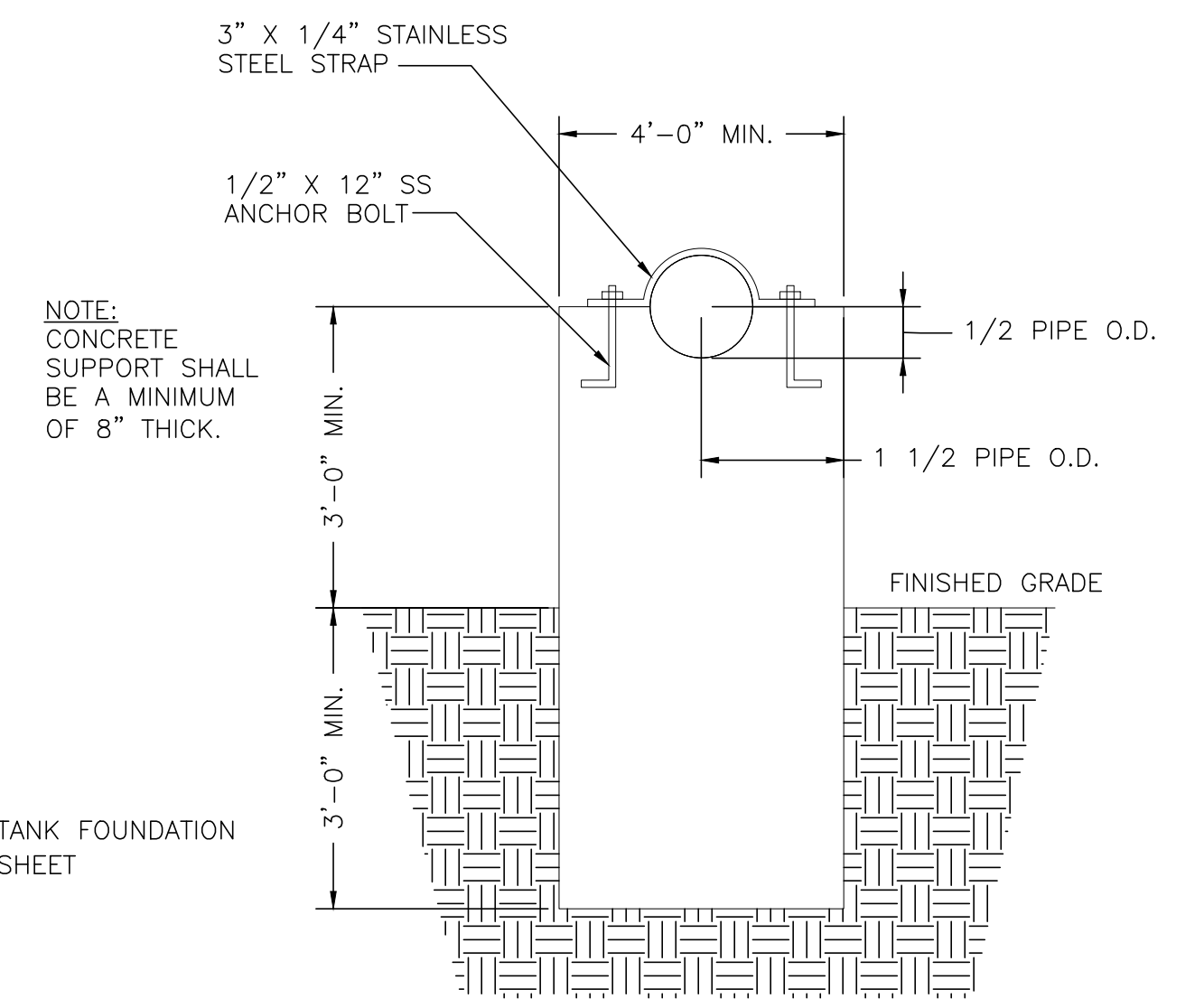


DETAIL-A
NOT TO SCALE

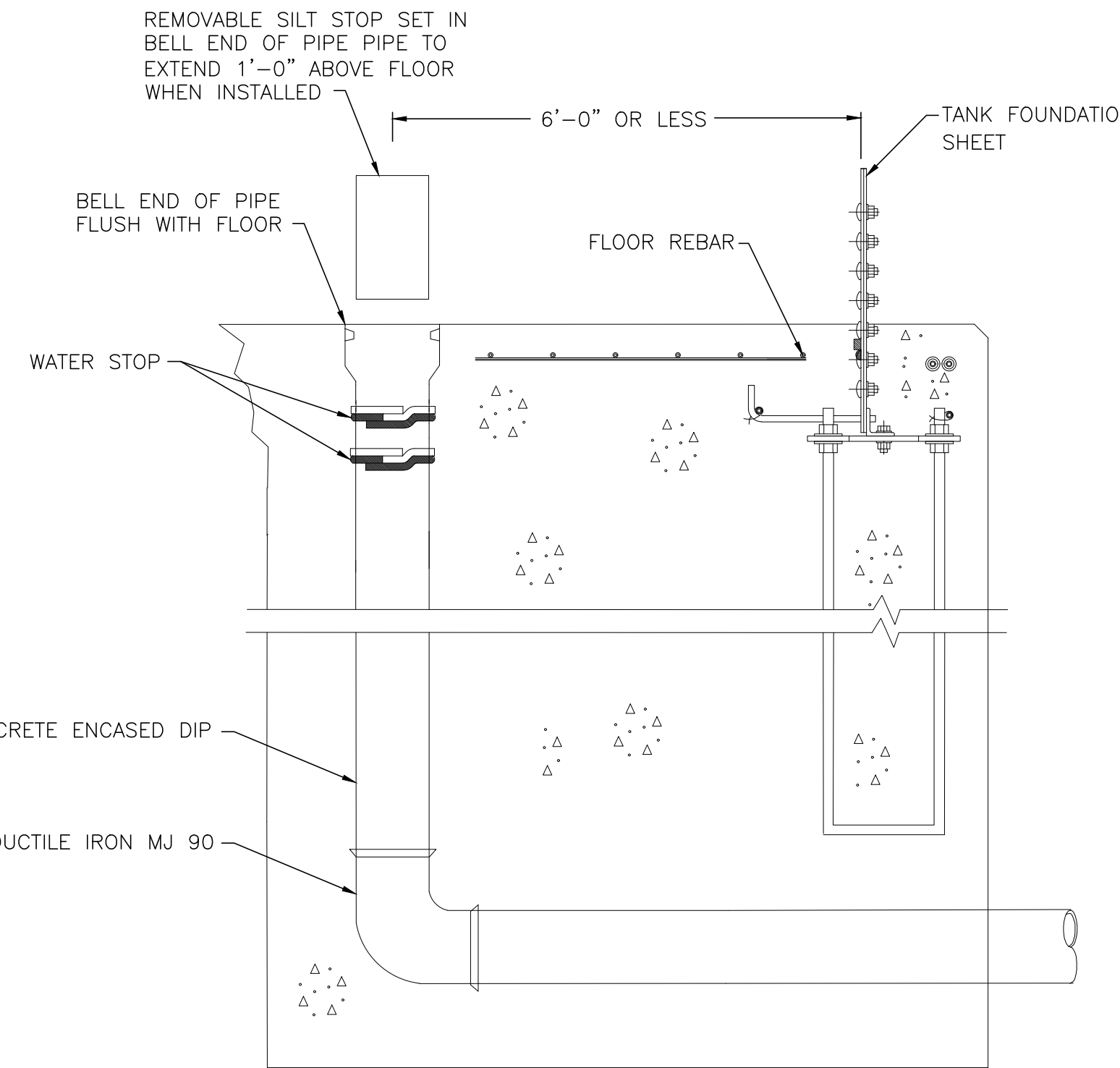
NOTE:
1. QUANTITY OF INLET/OUTLET VALVES TO BE DETERMINED BY MIXING SYSTEM SUPPLIER TO MEET PROJECT REQUIREMENTS.



MIXING SYSTEM DETAIL
NOT TO SCALE

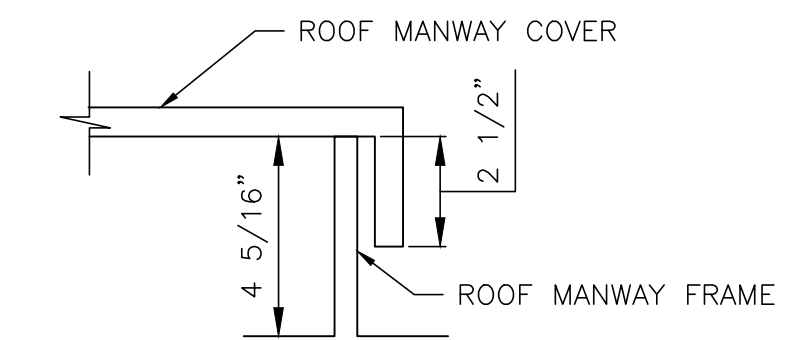


CONCRETE SUPPORT DETAIL



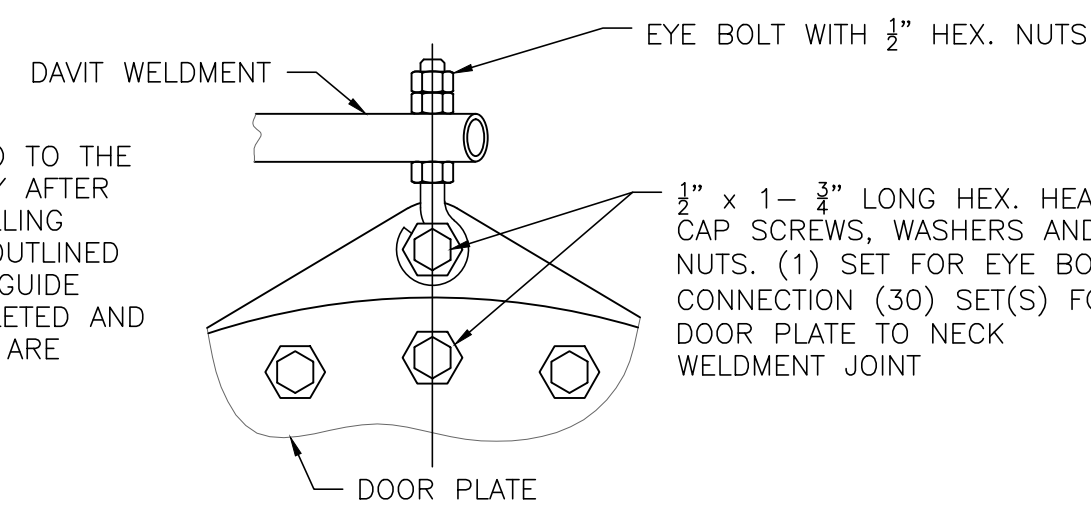
DRAIN PIPE WITH REMOVABLE SLIT STOP
NOT TO SCALE

NOTE: FOUNDATION MAY VARY FROM THAT SHOWN.



LIP DETAIL
NOT TO SCALE

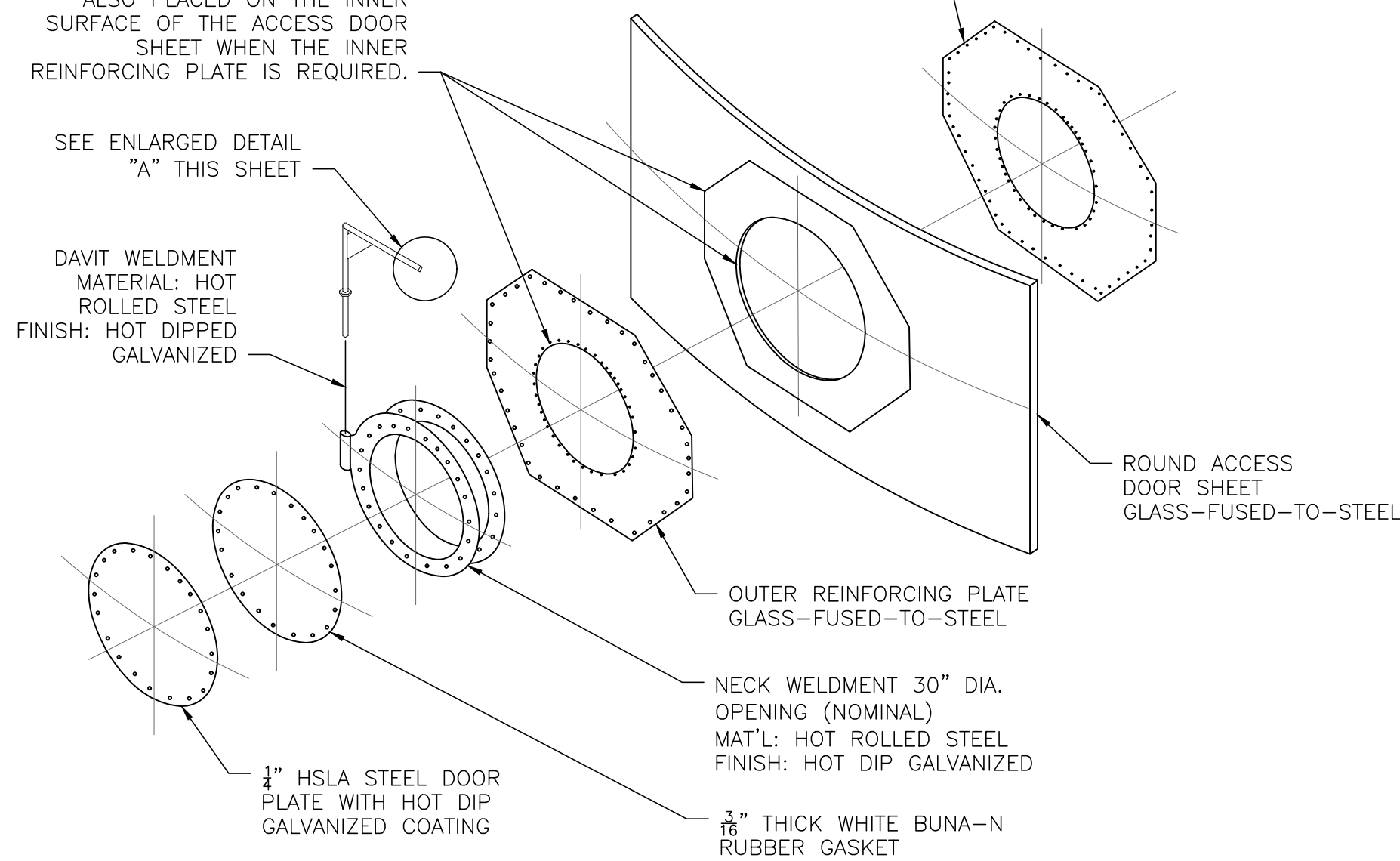
NOTE:
SEALER IS APPLIED TO THE COMPONENTS ONLY AFTER THE BUSHING DRILLING PROCEDURES AS OUTLINED IN THE BUILDERS GUIDE HAVE BEEN COMPLETED AND THE COMPONENTS ARE READY FOR FINAL ASSEMBLY.



ENLARGED DETAIL "A"
NOT TO SCALE

APPLY SEALER AS OUTLINED IN THE BUILDERS GUIDE. SEALER IS ALSO PLACED ON THE INNER SURFACE OF THE ACCESS DOOR SHEET WHEN THE INNER REINFORCING PLATE IS REQUIRED.

INNER REINFORCING PLATE GLASS-FUSED-TO-STEEL PLATE USAGE IS BASED ON PROJECT REQUIREMENTS



30" ACCESS DOOR DETAIL
NOT TO SCALE

VENT CAPACITY CHART							
VENT THROAT DIAMETER	3.14 SQUARE FEET						
VELOCITY FPM	400	500	600	700	800	900	1000
EXHAUST PRESSURE DROP	.025	.035	.050	.070	.090	.120	.155
SUPPLY PRESSURE DROP	.060	.090	.130	.180	.240	.300	.380
CFM	1258	1511	1885	2200	2515	2830	3140

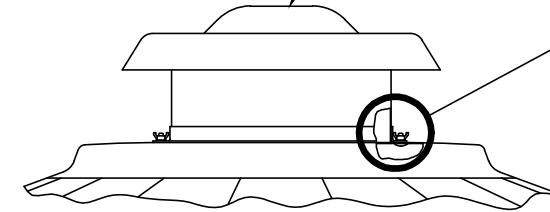
CONSTRUCTION DETAIL GRAVITY VENTILATOR INSTALLATION ONTO ROOF CAP 20° SLOPED ROOF

1" LONG STRUCTURE BOLT SETS, BOLT HEADS TO BE ON THE INSIDE OF THE TANK W/ WING NUT FASTENERS FOR SECONDARY ACCESS

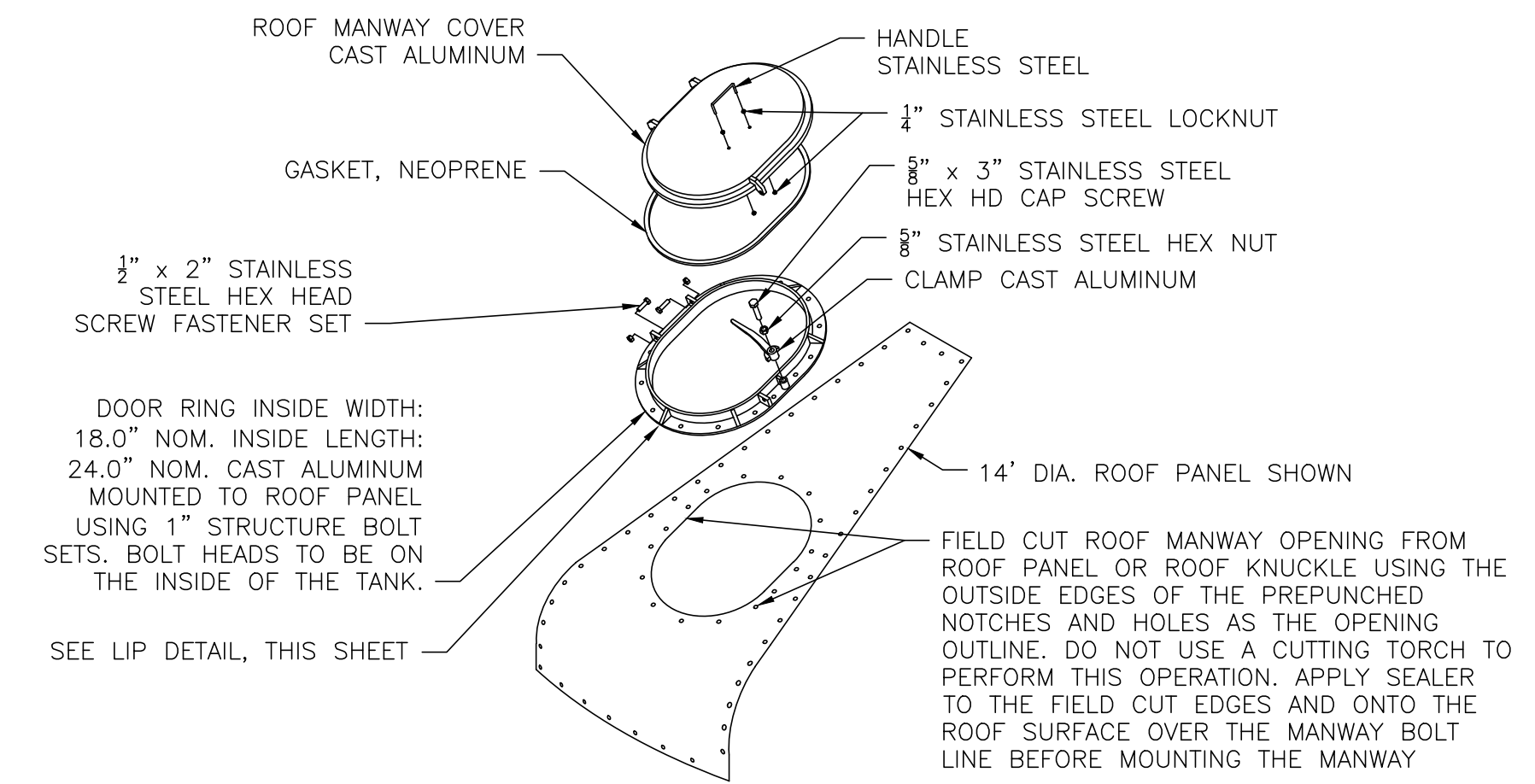
APPLY SEALER BETWEEN THE ROOF CAP AND THE GRAVITY VENTILATOR MOUNTING FLANGE AS OUTLINED IN THE BUILDERS GUIDE.

REMOVE THE (4) FASTENERS AND THE TOP COVER TO OBTAIN ACCESS TO THE TANK INTERIOR. RE-INSTALL AFTER MOUNTING THE VENTILATOR ONTO THE ROOF CAP.

GRAVITY VENTILATOR GENERAL CONSTRUCTION HOUSING COVER AND SUPPORT MEMBERS - ALUMINUM INSECT SCREEN - 23 TO 25 MESH .0135"/.0145" DIA. POLYESTER MONOFILAMENT WIRE BIRD SCREEN -.063 THICK ALUMINUM, .5 X .75 EXPANDED MESH



ROOF CAP DETAIL
NOT TO SCALE



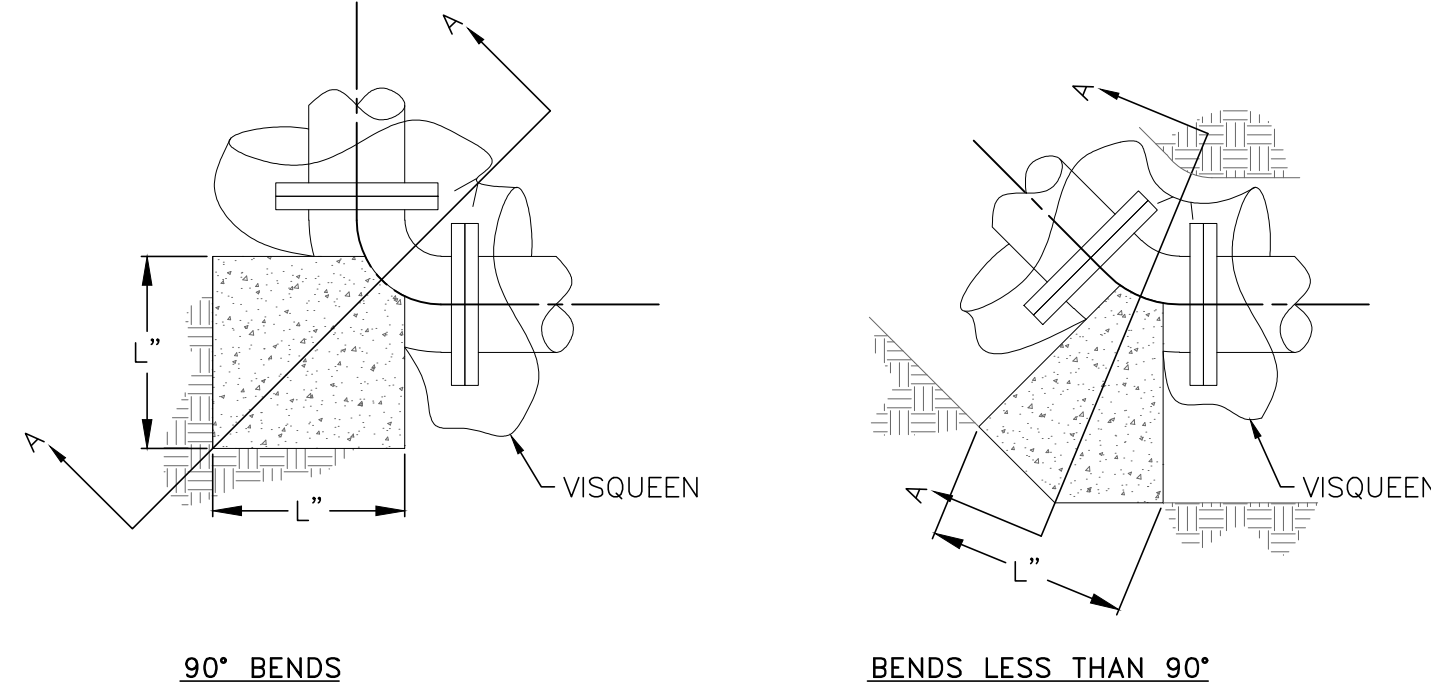
ROOF HATCH DETAIL
NOT TO SCALE

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ISSUE DATE:	05/31/19			
SCALE:	AS SHOWN			
DESIGNED BY:	ISC			
DRAWN BY:	ISC			
CHECKED BY:	BRA			

PROJECT NO.	180749
DISCIPLINE	CIVIL
SHEET NAME	10C-03
SHEET	5
OF	7

PIPE SIZE	DEGREE OF BEND											
	11 1/4°			22 1/2°			45°			90°		
	L	D	V	L	D	V	L	D	V	L	D	V
3"	4	3	0.1	6	4	0.2	10	4	0.3	10	4	0.3
4"	5	4	0.2	9	5	0.4	14	5	0.6	14	5	0.6
6"	8	6	0.5	12	7	0.7	20	8	1.4	18	9	1.7
8"	9	8	0.7	16	9	1.4	24	12	2.7	25	11	4.0
12"	14	12	1.8	24	14	3.6	36	18	6.8	32	18	10.7
16"	18	16	3.4	32	18	6.7	36	32	13.4	41	26	25.4
20"	25	20	6.4	30	30	11.5	49	36	20.5	50	32	46.5
24"	27	24	9.0	39	34	18.4	60	42	35.0	58	40	77.7

V = VOLUME OF CONCRETE IN CUBIC FEET



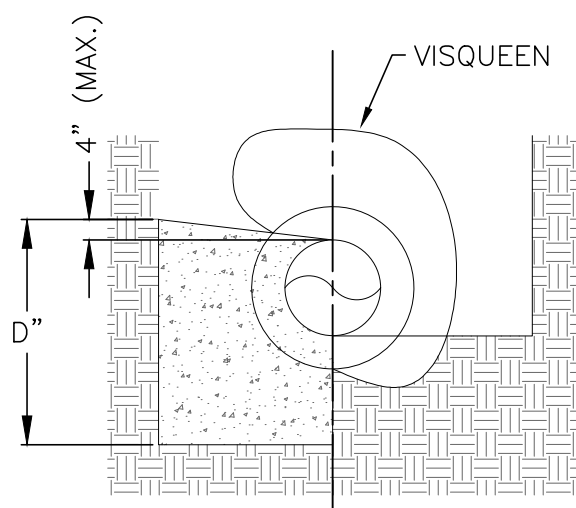
90° BENDS

BENDS LESS THAN 90°

PLAN VIEWS

NOTES:

1. CONCRETE FOR BACKING SHALL BE CLASS "C".
2. BACKING SHALL BE DESIGNED FOR 3000 PSF SOIL BEARING.
3. REINFORCING STEEL SHALL BE USED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
5. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.
6. VISQUEEN SHALL BE PLACED IN A MANNER SUCH THAT CONCRETE BLOCKING DOES NOT HAVE DIRECT CONTACT WITH BEND.



SECTION A-A

BACKING FOR BENDS DETAIL

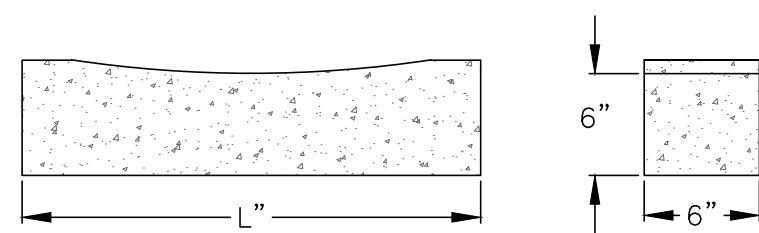
NOT TO SCALE

	SIZE	L	V
GATE VALVES	3"	15	0.31
	4"	16	0.33
	6"	17	0.36
	8"	20	0.42
BUTTERFLY VALVES	14"	28	0.58
	16"	30	0.63
	20"	36	0.75
	24"	42	0.88
	30"	48	1.00

V = VOLUME OF CONCRETE IN CUBIC FEET

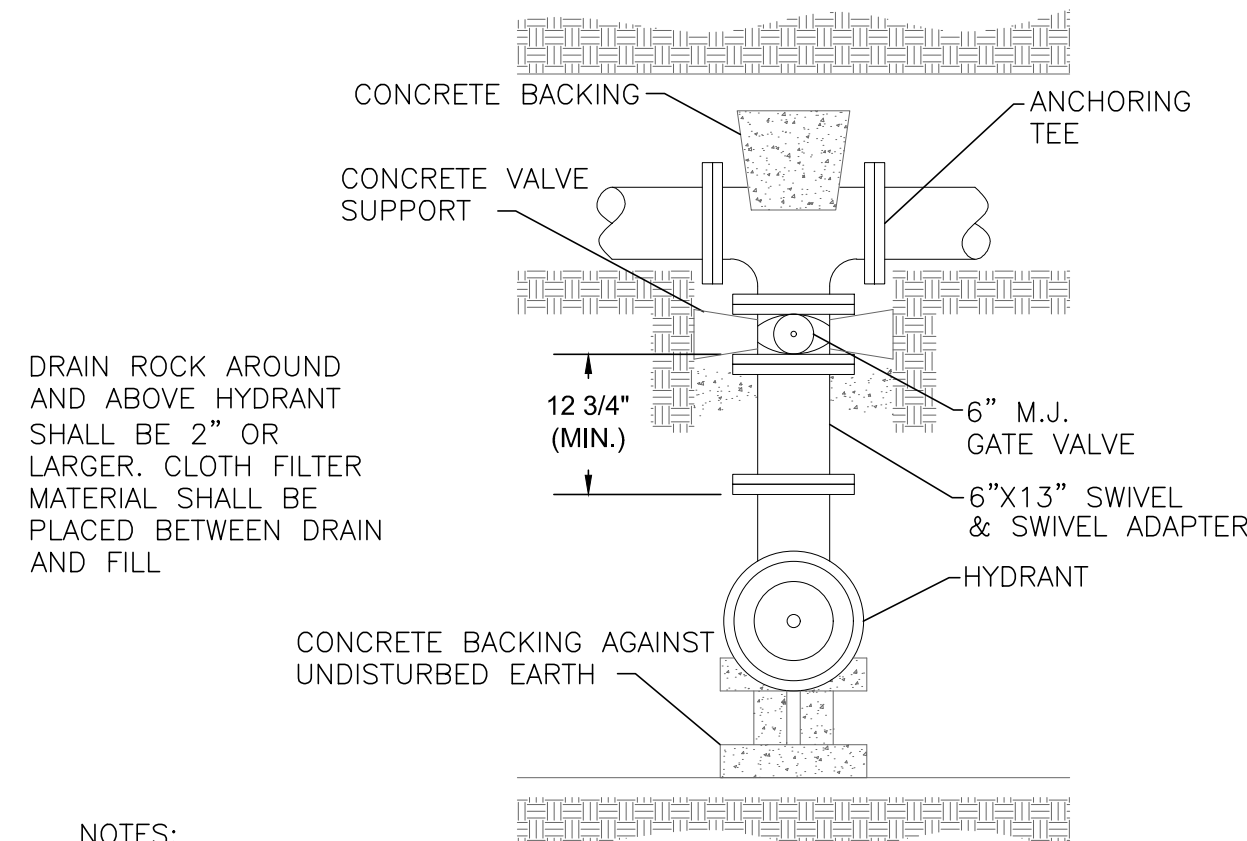
NOTES:

1. CONCRETE FOR SUPPORTS SHALL BE CLASS C.
2. BACKING SHALL BE DESIGNED FOR 300 PSF SOIL BEARING.
3. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
4. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.



CONCRETE VALVE SUPPORTS

NOT TO SCALE

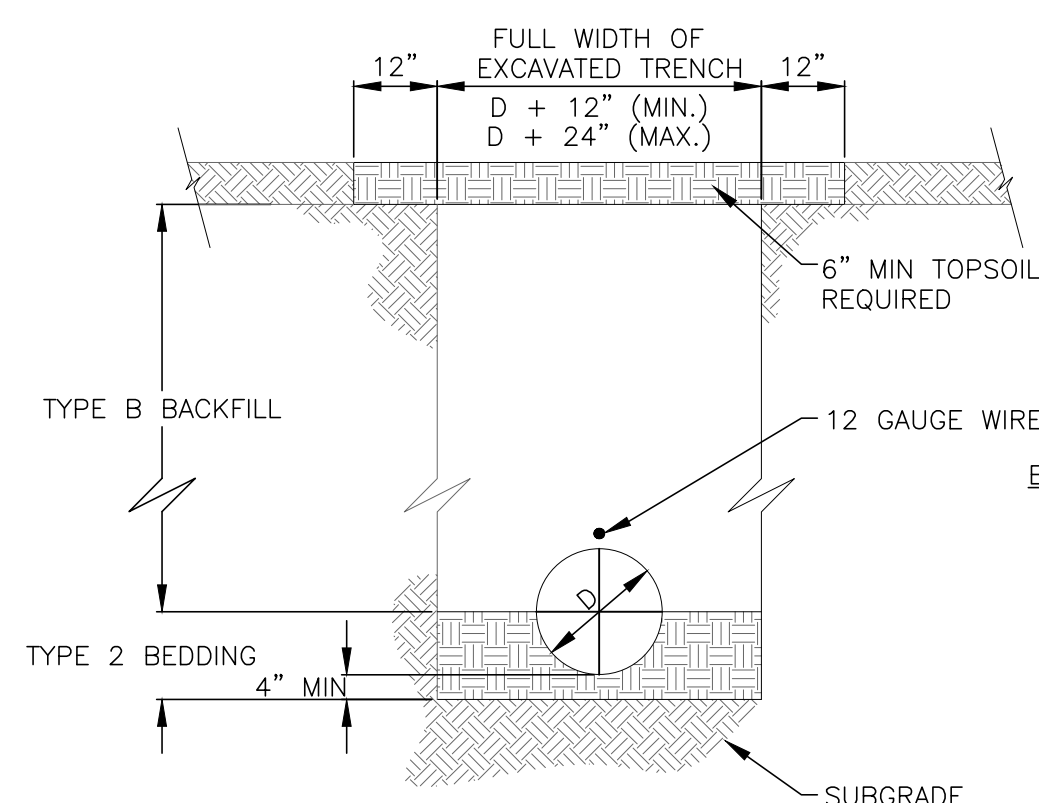


NOTES:

1. 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.
2. ALL HYDRANTS SHALL BE INSTALLED WITH HARDWOOD OR CONCRETE BLOCKING AGAINST UNDISTURBED EARTH.

TYPICAL 6" HYDRANT SETTING

NOT TO SCALE



TRENCH DETAIL FOR WATERLINE INSTALLED IN NON-PAVED AREAS

NOT TO SCALE

BACKFILL:

1. TYPE A, SHALL BE COMPACTED GRANULAR MATERIAL AS SPECIFIED IN ODOT CMS ITEM 304.
2. TYPE B SHALL BE NATURAL SOIL FREE FROM STONES LARGER THAN 2 INCHES ACROSS THEIR GREATEST DIMENSION, TOPSOIL, VEGETATION, DEBRIS, RUBBISH OR FROZEN MATERIAL.
3. TYPE C SHALL BE LOW STRENGTH MORTAR AS SPECIFIED IN ODOTCMS ITEM 613.

BEDDING:

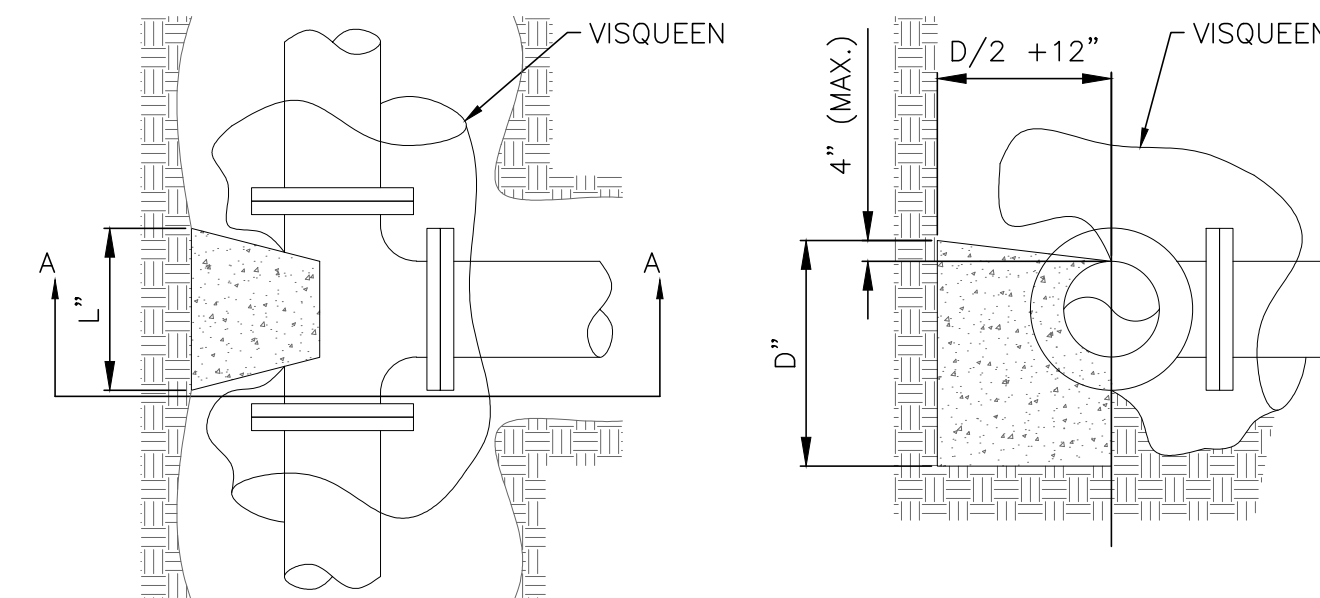
TYPE 1-GRANULAR MATERIAL No. 57,6,67,68 OR 7 PER ODOT CMS TABLE 703.01-1.

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

TYPE 3-CONCRETE BEDDING, CLASS "C" CONCRETE PER ODOT CMS 511.

RUN	BRANCH												BRANCH											
	3"			4"			6"			8"			12"			16"			20"			24"		
	L	D	V	L	D	V	L	D	V	L	D	V	L	D	V	L	D	V	L	D	V	L	D	V
3"	12	5	0.5																					
4"	10	6	0.5	11	8	0.8																		
6"	9	7	0.5	11	8	0.8	18	12	1.9															
8"	8	8	0.5	10	9	0.7	18	12	1.9	23	16	3.5												
12"	6	12	0.6	8	12	0.8	18	12	1.9	23	16	3.5	38	22	8.7									
16"	6	16	0.8	6	16	0.8	14	16	2.0	20	18	3.3	36	23	8.7	49	30	13.6						
20"	6	20	1.0	6	20	1.0	11	20	1.9	18	20	3.3	35	24	8.7	46	32	13.6	60	38	26.5			
24"	6	24	1.2	6	24	1.2	9	24	1.9	15	24	3.3	30	28	8.7	42	36	14.0	54	42	26.3	68	48	45.4

V = VOLUME OF CONCRETE IN CUBIC FEET



PLAN VIEW

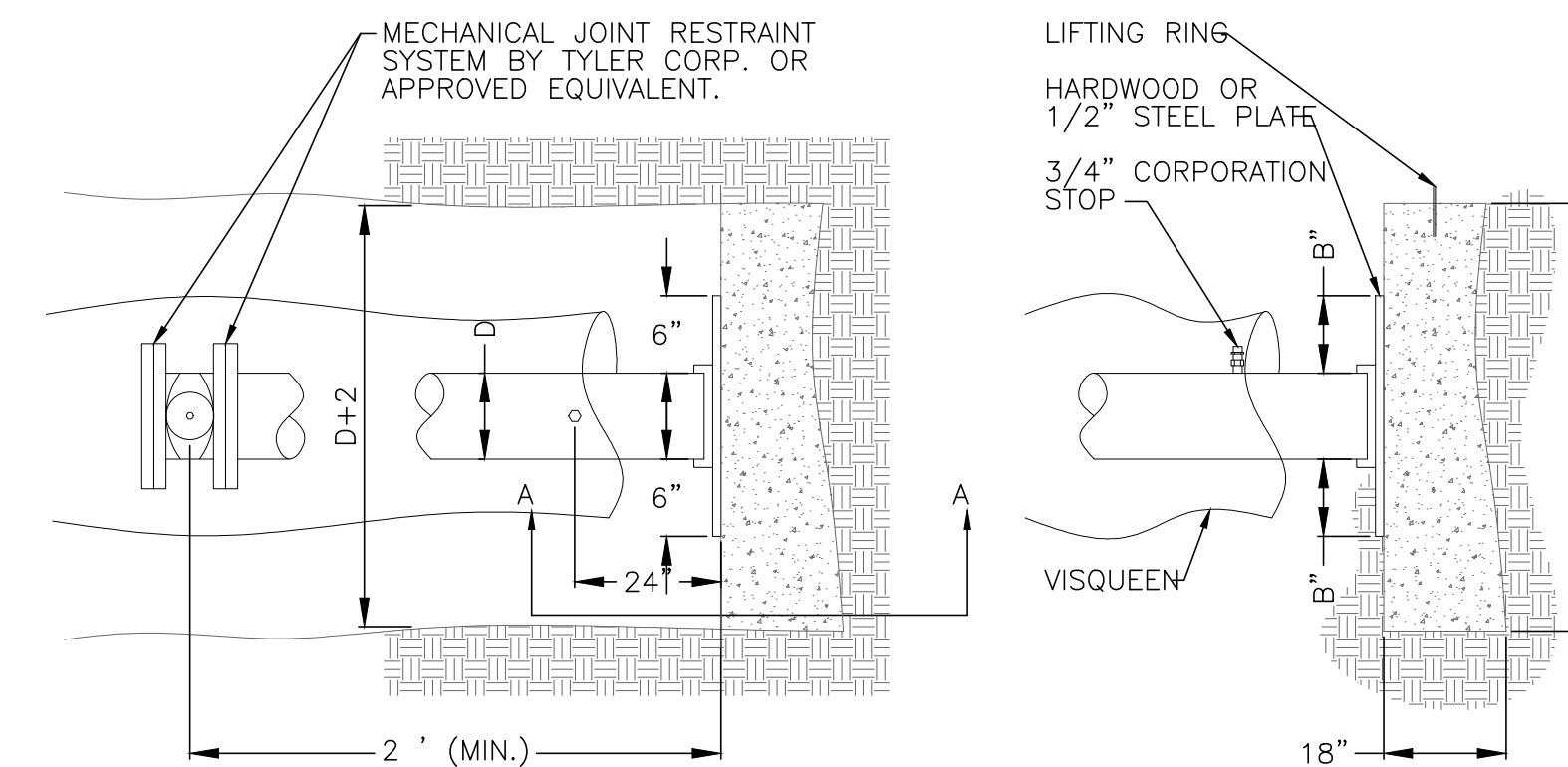
SECTION A-A

NOTES:

1. CONCRETE FOR BACKING SHALL BE CLASS "C".
2. BACKING SHALL BE DESIGNED FOR 3000 PSF SOIL BEARING.
3. REINFORCING STEEL SHALL BE USED AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
4. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
5. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.
6. VISQUEEN SHALL BE PLACED IN A MANNER SUCH THAT CONCRETE BLOCKING DOES NOT HAVE DIRECT CONTACT WITH TEE AND/OR FITTINGS.

BACKING FOR TEES DETAIL

NOT TO SCALE

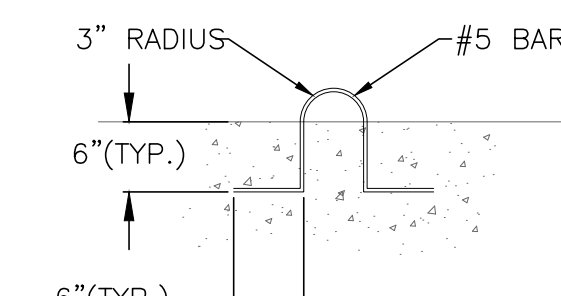


PLAN VIEW

SECTION A-A

NOTES:

1. CONCRETE FOR BACKING SHALL BE CLASS "C".
2. BACKING SHALL BE DESIGNED FOR 3000 PSF SOIL BEARING.
3. CONCRETE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
4. PROVIDE CLEARANCE FOR REMOVAL OF BOLTS.
5. VISQUEEN SHALL BE PLACED IN A MANNER SUCH THAT CONCRETE BLOCKING DOES NOT HAVE DIRECT CONTACT WITH FITTINGS.
6. END OF PIPE SHALL BE CAPPED OR PLUGGED.
7. STEEL PLATE SHALL BE GREASED WHERE IN CONTACT WITH CONCRETE BACKING.
8. PLUG POLES SHALL BE INSTALLED AT ALL END-OF-LINE STUBS AT THE TRUST BLOCK.



LIFTING RING DETAIL

SIZE OF PIPE	H	B	L (PVC)	L (DIP)	V
6"	8	1	20	18	2.52
8"	12	1	20	18	4.00
12"	23	3	20	18	8.64
16"	37	3	20	18	15.39

V = VOLUME OF CONCRETE IN CUBIC FEET.

THRUST BLOCK DETAIL

NOT TO SCALE

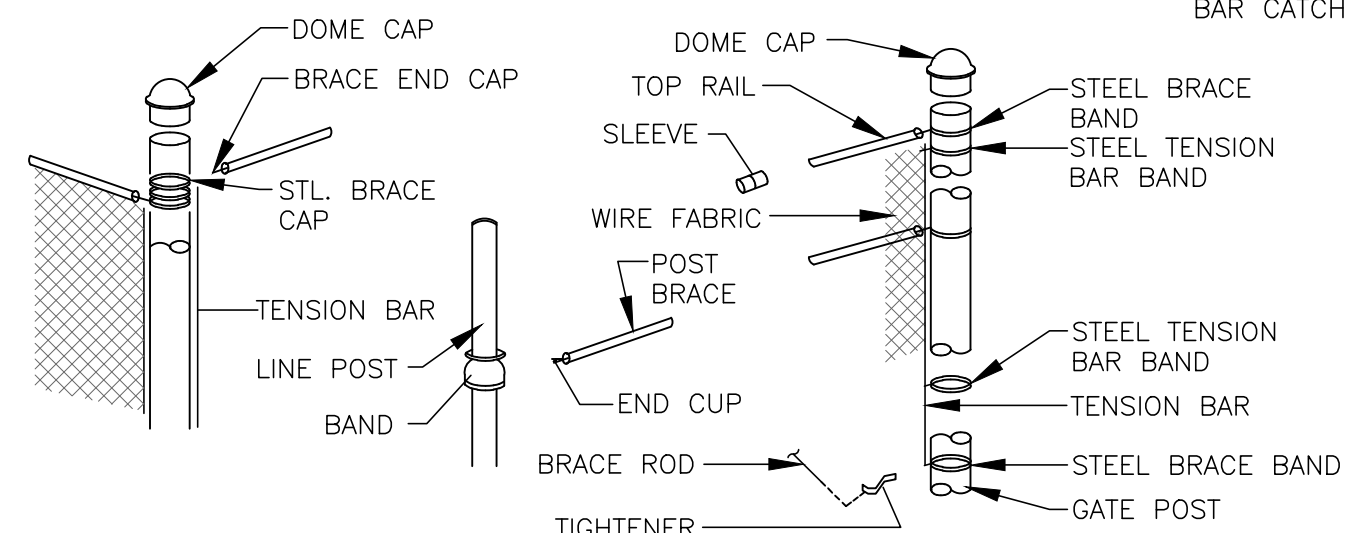
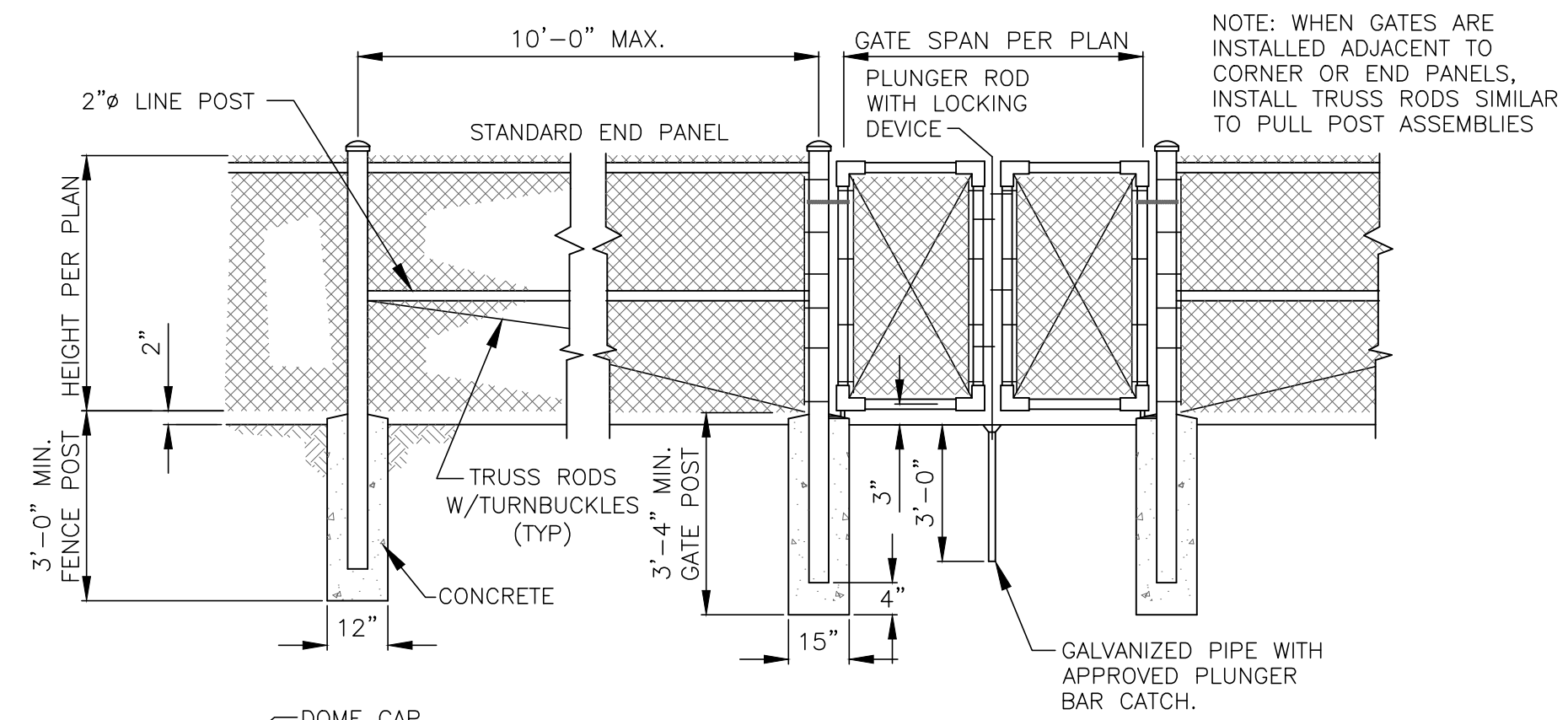
VILLAGE OF PHILO
3rd ST WATER STORAGE
TANK REPLACEMENT

TANK DETAILS 3

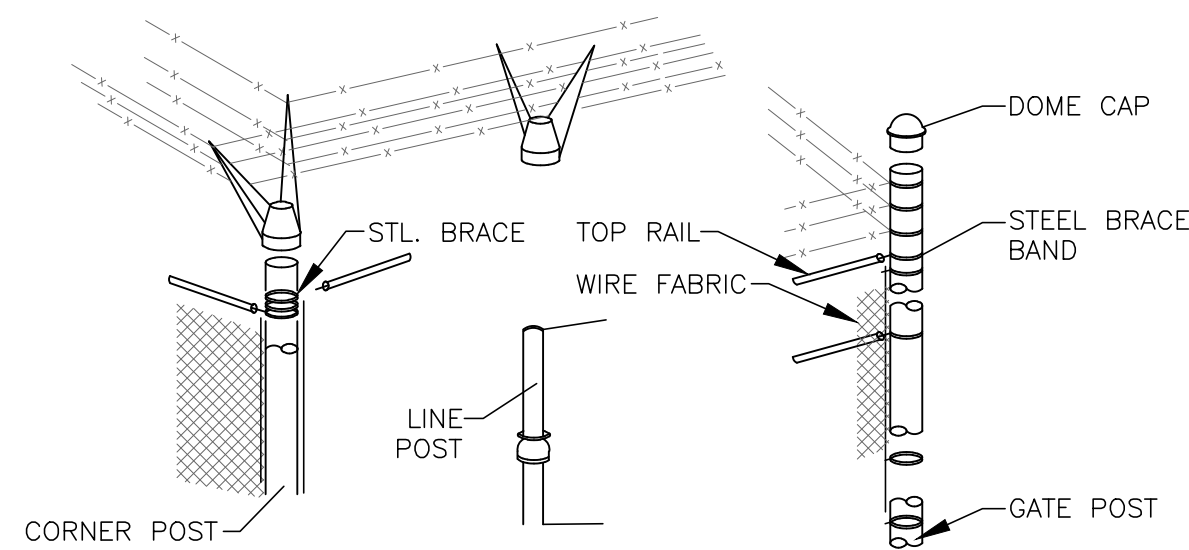
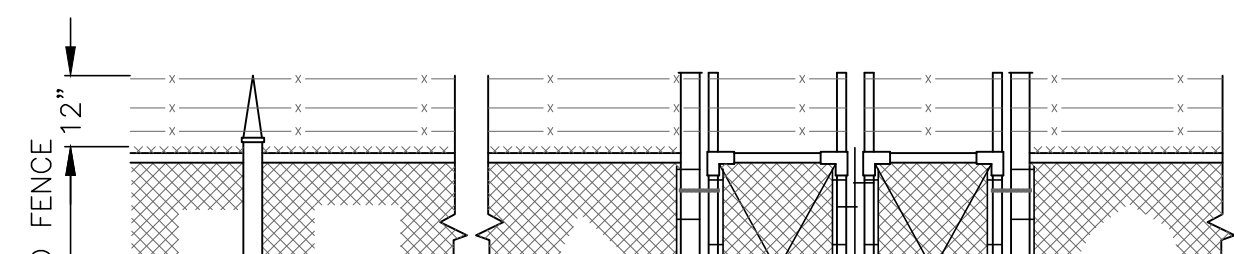
your trusted advisor
engineers
architects
planners
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DATE	REVISION	NO	BIDDING	ISSUED FOR:	ISSUE DATE:	SCALE:	DESIGNED BY:	DRAWN BY:	CHECKED BY:
			05/31/19	AS SHOWN	ISC	ISC	BRA		

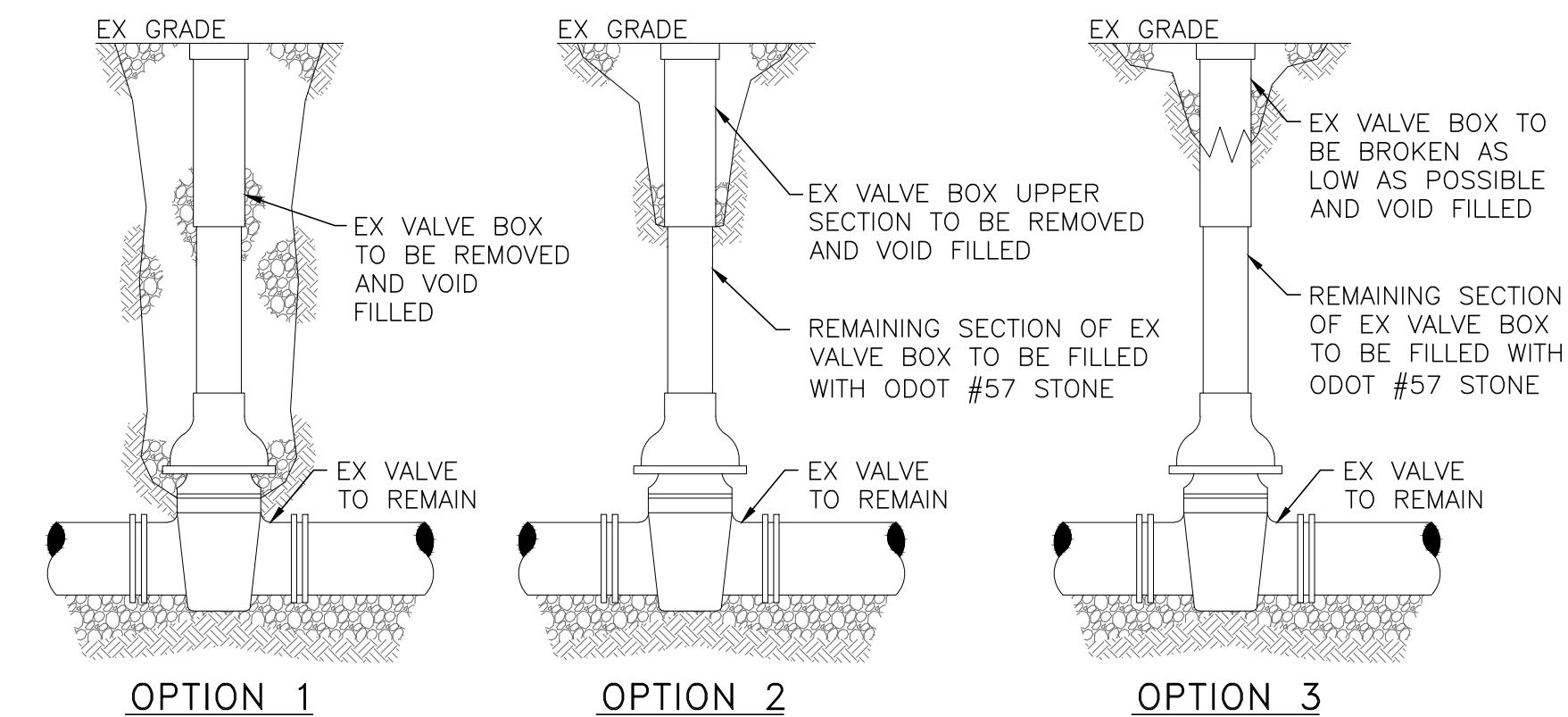
PROJECT NO.	180749
DISCIPLINE	CIVIL
SHEET NAME	10C-04
SHEET	6
OF	7



TYPICAL FENCE ASSEMBLY
NOT TO SCALE



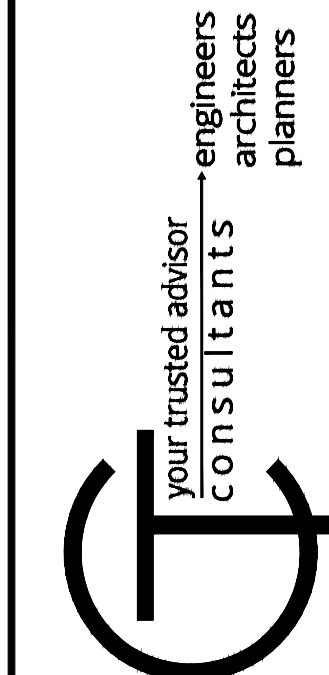
BARBED WIRE DETAIL
NOT TO SCALE



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.

ABANDONMENT OF EXISTING VALVE
NOT TO SCALE



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SCALE:	AS SHOWN			
DESIGNED BY:	ISC			
DRAWN BY:	ISC			
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**VILLAGE OF PHILO
3rd ST WATER STORAGE
TANK REPLACEMENT**

TANK DETAILS 4

PROJECT NO.	180749
DISCIPLINE	CIVIL
SHEET NAME	10C-05
SHEET	7
OF	7