

ISSUE TO BID
WILEY|WILSON COMM. NO.: 230145.00
JANUARY 23, 2026



SHEET INDEX	
Sheet Number	Sheet Title
G-001	COVER SHEET
C-001	GENERAL NOTES, LEGEND, & ABBREVIATIONS
C-002	SPECIFICATIONS
C-101	EXISTING CONDITIONS & DEMO PLAN
C-102	SITE PLAN
C-501	DETAILS SHEET
C-502	DETAILS SHEET
S-001	STRUCTURAL GENERAL NOTES
S-002	SPECIAL INSPECTIONS
S-003	SYMBOLS AND ABBREVIATIONS
S-101	FOUNDATION PLAN
S-301	STRUCTURAL SECTIONS AND DETAILS



EMERGENCY - CITY OF STAUNTON
540-332-3896



CITY OF ST. JOHNS

[illegible]

COMM NO: 230145.00	
DATE: 01/23/2026	
DRAWN: MKA	DESIGN: MCM
CHECK: MCP	
SHEET TITLE	

COVER SHEET

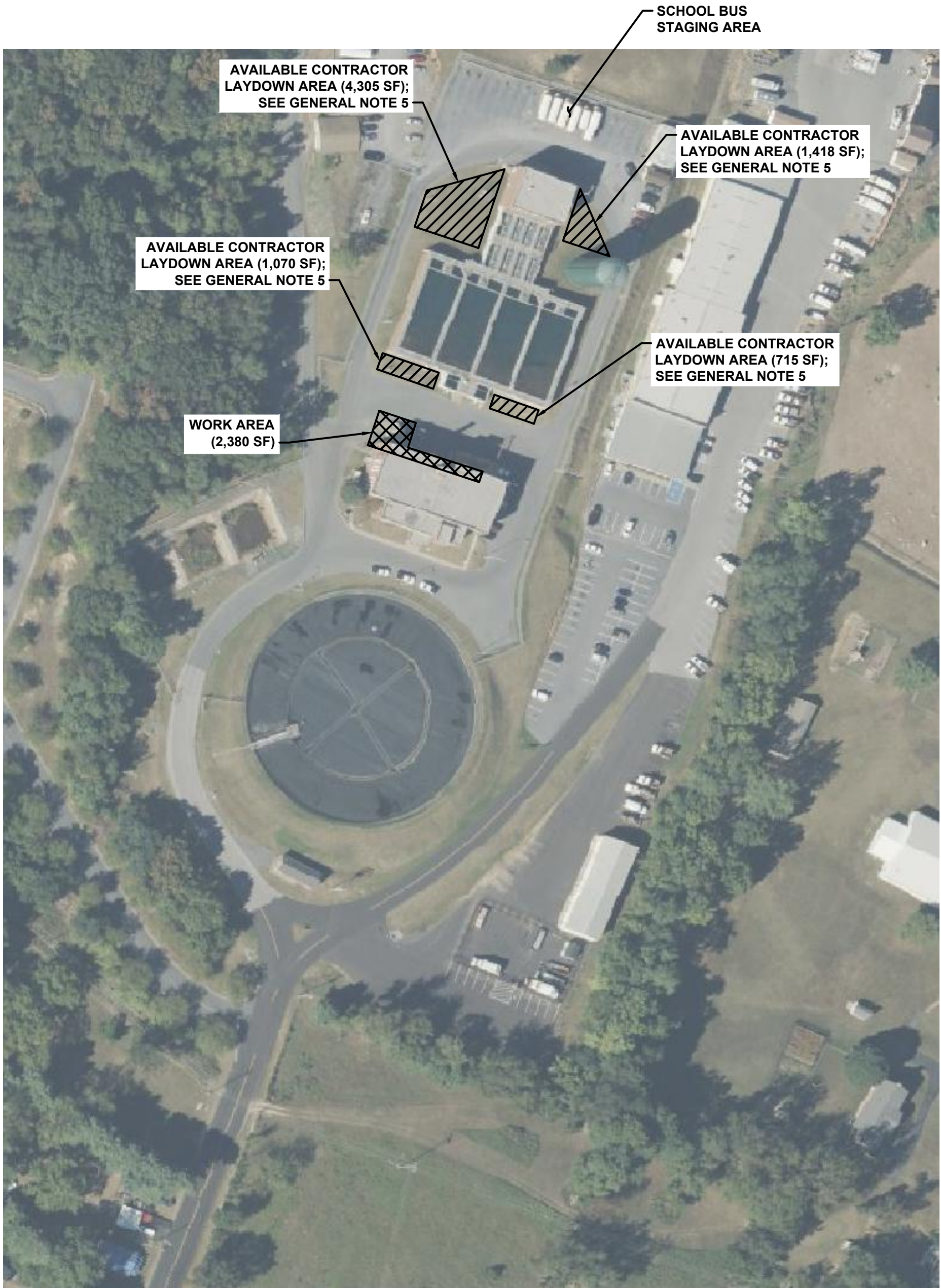
SHT. NO. G-001	REV. NO. 0
-------------------	---------------

1. THIS TOPOGRAPHIC SURVEY WAS COMPLETED UNDER THE DIRECT AND RESPONSIBLE CHARGE OF THOMAS W. DORR, FROM AN ACTUAL GROUND SURVEY MADE UNDER MY SUPERVISION; THAT THE IMAGERY AND/OR ORIGINAL DATA WAS OBTAINED ON AUGUST 22, 2023 AND THAT THIS PLAT, MAP, OR DIGITAL GEOSPATIAL DATA INCLUDING METADATA MEETS MINIMUM ACCURACY STANDARDS UNLESS OTHERWISE NOTED.
2. SURVEY CONDUCTED BY EGS & ASSOCIATES, INC. ON AUGUST 22, 2023. VERTICAL CONTROL: NAVD 88; HORIZONTAL CONTROL: NAD 83 VIRGINIA STATE PLANE COORDINATE SYSTEM, NORTH ZONE, U.S. SURVEY FOOT.
3. THE SURVEY PREMISES IS LOCATED IN FLOOD ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) ACCORDING TO FIRM FOR THE COUNTY OF AUGUSTA, VIRGINIA COMMUNITY #510013, MAP NUMBER 51015C0337D, EFFECTIVE DATE SEPTEMBER 28, 2007.
4. ALL EXISTING UNDERGROUND UTILITY LOCATIONS AS SHOWN ON THESE PLANS ARE APPROXIMATE AND MAY NOT REPRESENT ALL UNDERGROUND UTILITIES OR SERVICE LINES. SOURCE OF EXISTING UTILITY MAPPING: UTILITY LOCATIONS ARE BASED ON QUALITY LEVEL "C" AS DEFINED BY ASCE STANDARD 38-02 "STANDARD GUIDELINE FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA". CONTRACTOR IS RESPONSIBLE FOR VERIFYING EXACT LOCATION, DEPTH, SIZE, AND TYPE OF UTILITIES SHOWN AND NOTIFYING ENGINEER OF DISCREPANCIES. CONTRACTOR IS SOLELY RESPONSIBLE FOR DAMAGE TO PROPERTY, UTILITIES, OR PHYSICAL IMPROVEMENTS.
5. MISS UTILITY WAS NOT CONTACTED PRIOR TO TOPOGRAPHIC SURVEY.
6. CONTRACTOR SHALL HAVE AN INDEPENDENT/THIRD PARTY UTILITY LOCATING FIRM LOCATE/MARK ALL UNDERGROUND UTILITIES ON SITE PRIOR TO BEGINNING ANY EXCAVATION OR DEMOLITION IN ACCORDANCE WITH THE VIRGINIA UNDERGROUND UTILITY DAMAGE PREVENTION ACT.
7. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS NOT INTENDED TO SHOW ALL EASEMENTS THAT MAY AFFECT THE PROPERTY.
8. ALL PROPERTY PINS DISTURBED BY CONTRACTOR ACTIVITIES SHALL BE REPLACED BY A VIRGINIA LICENSED LAND SURVEYOR.
9. THE EXISTENCE OF HAZARDOUS WASTE, VEGETATED WETLANDS, OR TIDAL WETLANDS WAS NEITHER INVESTIGATED NOR CONFIRMED DURING THE PERFORMANCE OF THIS SURVEY.
10. NO GRAVES OR PLACES OF BURIAL WERE NOTED DURING THIS SURVEY.

1. TRUCK TRAFFIC MUST BE MAINTAINED BEHIND THE BUILDING. SINGLE DAY SHUT DOWNS ARE ACCEPTABLE AND MUST BE SCHEDULED WITH 72 HOUR ADVANCE NOTICE TO OWNER.
2. NSF 60 COMPLIANCE: IN ACCORDANCE WITH THE VIRGINIA ADMINISTRATIVE CODE, SECTION 12VAC5-590-515, ALL CHEMICALS USED FOR DISINFECTION, DECHLORINATION, OR ANY OTHER CHEMICAL DOSING INTO DRINKING WATER AS PART OF THIS PROJECT MUST COMPLY WITH NSF/ANSI STANDARD 60 (LATEST EDITION). DOCUMENTATION OF NSF COMPLIANCE MUST BE MAINTAINED ON SITE, ALONG WITH MATERIAL SAFETY DATA SHEETS, FOR EACH CHEMICAL.
3. CONTRACTOR MUST MAINTAIN ACCESS TO THE RAW WATER AREA AND THE SCHOOL BUS STAGING AREA FOR THE OWNER AT ALL TIMES.
4. CONTRACTOR MUST MAINTAIN ACCESS TO THE WATER FILLING STATION BETWEEN THE FILTER BUILDING AND THE SEDIMENTATION BASINS. INTERRUPTIONS IN ACCESS TO THIS AREA MUST BE SCHEDULED WITH AND APPROVED BY THE OWNER AT LEAST ONE WEEK IN ADVANCE OF THE ACCESS INTERRUPTION.
5. CONTRACTOR MUST COORDINATE WITH OWNER ON USE OF LAYDOWN AREAS PRIOR TO MOBILIZATION. THE LAYDOWN AREAS SHOWN IN THIS PLAN SET ARE SCHEMATIC IN NATURE AND ARE INTENDED TO SHOW THE APPROXIMATE LOCATION AND SIZE OF AREAS AVAILABLE FOR USE AS LAYDOWN AND MATERIAL STORAGE SITES. CONTRACTOR SHALL FULLY RESTORE LAYDOWN AREAS TO PRE-PROJECT CONDITION PRIOR TO PROJECT COMPLETION.

APPROX	APPROXIMATELY
BFV	BUTTERFLY VALVE
BLDG	BUILDING
BV	BALL VALVE
CF	CUBIC FEET
CIP	CAST IN PLACE
CY	CUBIC YARD
DB	DEED BOOK
DEMO	DEMOLITION
DI	DUCTILE IRON
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DS	DOWNSPOUT
EA	EACH
EL	ELEVATION
ELEV	ELEVATION
EX	EXISTING
FFE	FINISHED FLOOR ELEVATION
FT	FOOT/FEET
GV	GATE VALVE
HFSA	HYDROFLUOROSILICIC ACID
HORIZ	HORIZONTAL
HP	HIGH POINT
HWL	HIGH WATER LEVEL
IN	INCHES
INV	INVERT
IPF	IRON PIN FOUND
L	LENGTH
LF	LINEAR FEET
LWL	LOW WATER LEVEL
LP	LOW POINT
MIN	MINIMUM
MJ	MECHANICAL JOINT
MSL	MEAN SEA LEVEL
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
OC	ON CENTER
PG	PAGE
PVC	POLYVINYL CHLORIDE
PRV	PRESSURE REGULATOR VALVE
RW	RAW WATER
SD	STORM DRAIN
STA	STATION
SY	SQUARE YARD
TM	TAX MAP
TYP	TYPICAL
VERT	VERTICAL
WL	WATERLINE
WV	WATER VALVE

THIS PROJECT FOR THE CITY OF STAUNTON, VIRGINIA, IS TO CONSTRUCT A NEW HYDROFLUOROSILICIC ACID TANK AND CHEMICAL FEED PIPING. THE EXISTING TANK IS OUT OF SERVICE AND THE EXISTING BULK TANK HAS BEEN EMPTIED AND CLEANED. THE CONTAINMENT AREA AND CHEMICAL FEED PIPING ARE TO BE DEMOLISHED. THE NEW TANK WILL BE LOCATED ADJACENT TO THE EXISTING TANK AND IS LOCATED ON THE SAME PARCEL. THIS PROJECT WILL ALSO REPLACE THE FLUORIDE ANALYZER IN THE WATER TREATMENT PLANT.



EXISTING		PROPOSED	
	BENCHMARK		BOLLARD
	POWER POLE		SOIL BORING
	LIGHT POLE		YARD HYDRANT
	GUY WIRE		MAJOR CONTOURS
	IRON PIN FOUND		MINOR CONTOURS
	SOIL BORING		OVERHEAD ELECTRIC
	GAS METER		UNDERGROUND ELECTRIC
	FIRE HYDRANT		
	WATER VALVE		CONCRETE
	EDGE OF PAVEMENT		ASPHALT
	FENCELINE		
	GAS LINE		
	MAJOR CONTOURS		
	MINOR CONTOURS		
	OVERHEAD ELECTRIC		
	UNDERGROUND ELECTRIC		
	UNDERGROUND TELEPHONE		
	WATERLINE		
	ASPHALT		



CITY OF STAUNTON

FLUORIDE TANK REPLACEMENT

STANTON VIRGINIA

[illegible]

COMM NO: 230145.00

DATE: 01/23/2026

DRAWN: MKA	DESIGN: MCM
------------	-------------

CHECK: MCF

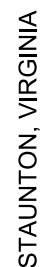
SHEET TITLE

GENERAL NOTES, LEGEND, & ABBREVIATIONS

SHT. NO. C-001

REV. NC

COMM NO: 230145.00	
DATE: 01/23/2026	
DRAWN: MKA	DESIGN: MCM
CHECK: MCP	
SHEET TITLE	
SPECIFICATIONS	
SHT. NO. C-002	REV. NO. 0



REVISION DESCRIPTION

MRK

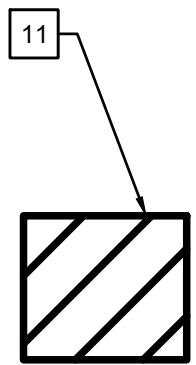
EXISTING CONDITIONS & DEMO PLAN

SHT. NO. C-101	REV. NO. 0
-------------------	---------------

1. DISPOSE OF ALL DEMOLISHED MATERIAL OFF SITE AT LANDFILLS OR OTHER FACILITIES APPROVED FOR THE DISPOSAL OF CONSTRUCTION WASTES BY AUTHORITIES HAVING JURISDICTION.
2. EXISTING UTILITY LOCATIONS, SIZES AND ELEVATIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND ARE INTENDED ONLY TO INDICATE THE EXISTENCE OF SUCH UTILITIES IN THE AREAS SHOWN. CONTRACTOR RESPONSIBLE FOR VERIFYING ALL FIELD CONDITIONS AND REQUIREMENTS OF THE WORK PRIOR TO START OF WORK. BEFORE PROCEEDING WITH THE WORK, THE CONTRACTOR SHALL VERIFY FIELD CONDITIONS AND UTILITY LOCATIONS AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES. ADDITIONAL EXISTING UTILITIES MAY BE PRESENT, CONTRACTOR RESPONSIBLE FOR VERIFYING.
3. CONTRACTOR SHALL VERIFY EXISTING FLUORIDE SYSTEM IS OFFLINE WITH OWNER PRIOR TO STARTING WORK.

1	REMOVE EXISTING CONTROL PANEL AND HIGH LEVEL SENSOR. RETAIN FOR REUSE IN CONSTRUCTION WORK. REMOVE CIRCUITRY BACK TO LOCATION PRACTICAL FOR REUSE IN CONSTRUCTION WORK.
2	DEMOLISH ABANDONED CONDUIT ROUTED ALONG THE EXTERIOR WALL OF THE CONTAINMENT DIKE BACK TO WALL PENETRATION AND CAP.

3	SAWCUT AND DEMOLISH ASPHALT PAVEMENT
4	DEMOLISH CONTAINMENT WALL AND BASE SLAB
5	REMOVE AND STORE SUMP PUMP FOR REINSTALLATION
6	DEMOLISH PIPING AND CONTAINMENT WALLS
7	PROVIDE PLUG FOR WALL PENETRATION
8	DEMOLISH 5,500 GALLON FRP TANK
9	PROTECT EXISTING EQUIPMENT
10	DEMOLISH DOUBLE WALL CONTAINMENT CHEMICAL FEED PIPING (3" CONTAINMENT PIPE WITH A 1" PRODUCT PIPE INSIDE), EXISTING PIPE HANGERS, AND SUPPORTS
11	DEMOLISH AND REMOVE FLUORIDE ANALYZER; RETAIN WIRING FOR REUSE. FLUORIDE ANALYZER IS LOCATED IN THE PUMP ROOM ON THE FIRST FLOOR. CONTRACTOR MUST FIELD VERIFY LOCATION WITH OWNER PRIOR TO BEGINNING WORK



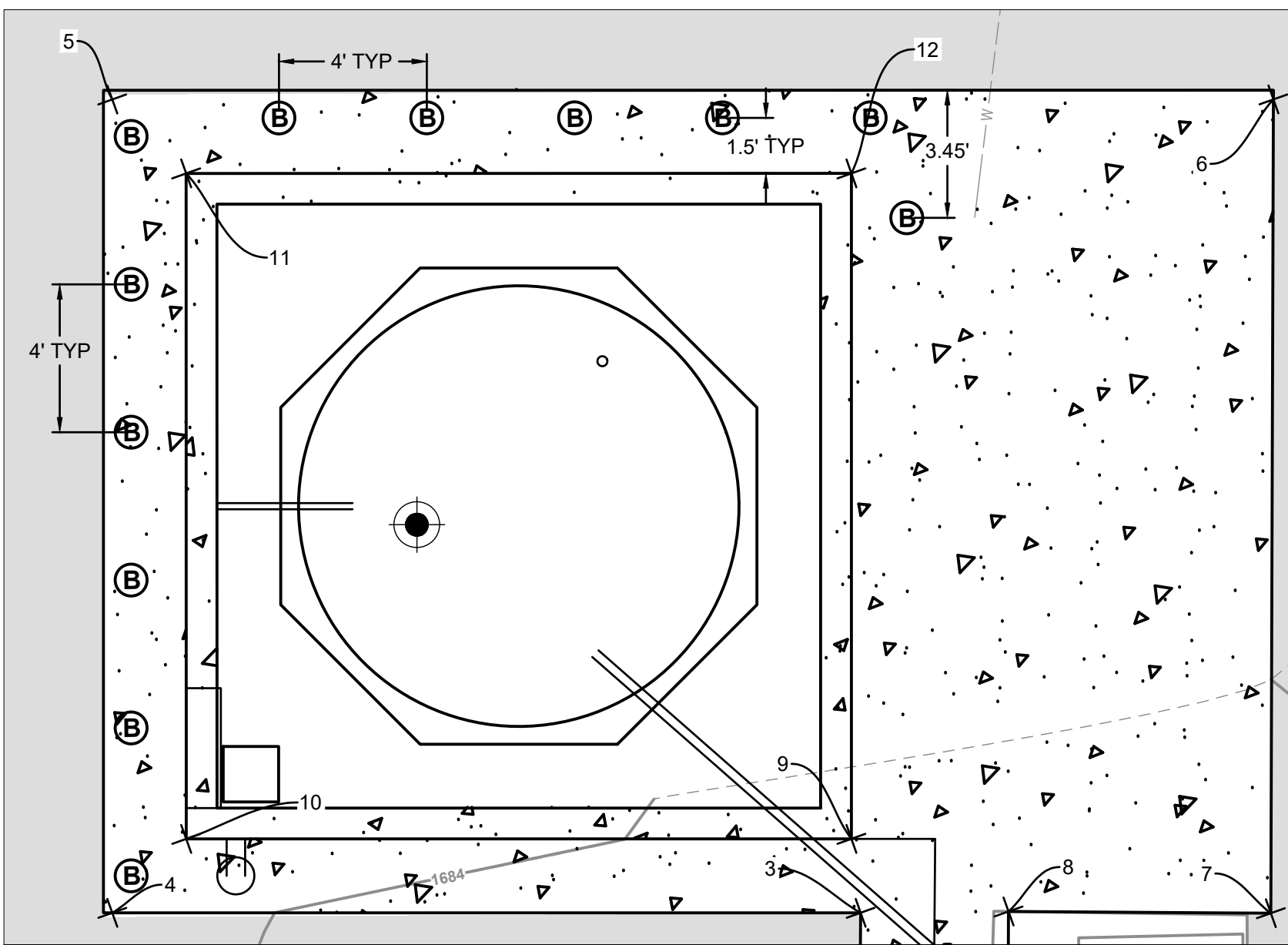
IF THIS DRAWING IS REDUCED,
GRAPHIC SCALE MUST BE USED.

0 10' 20'

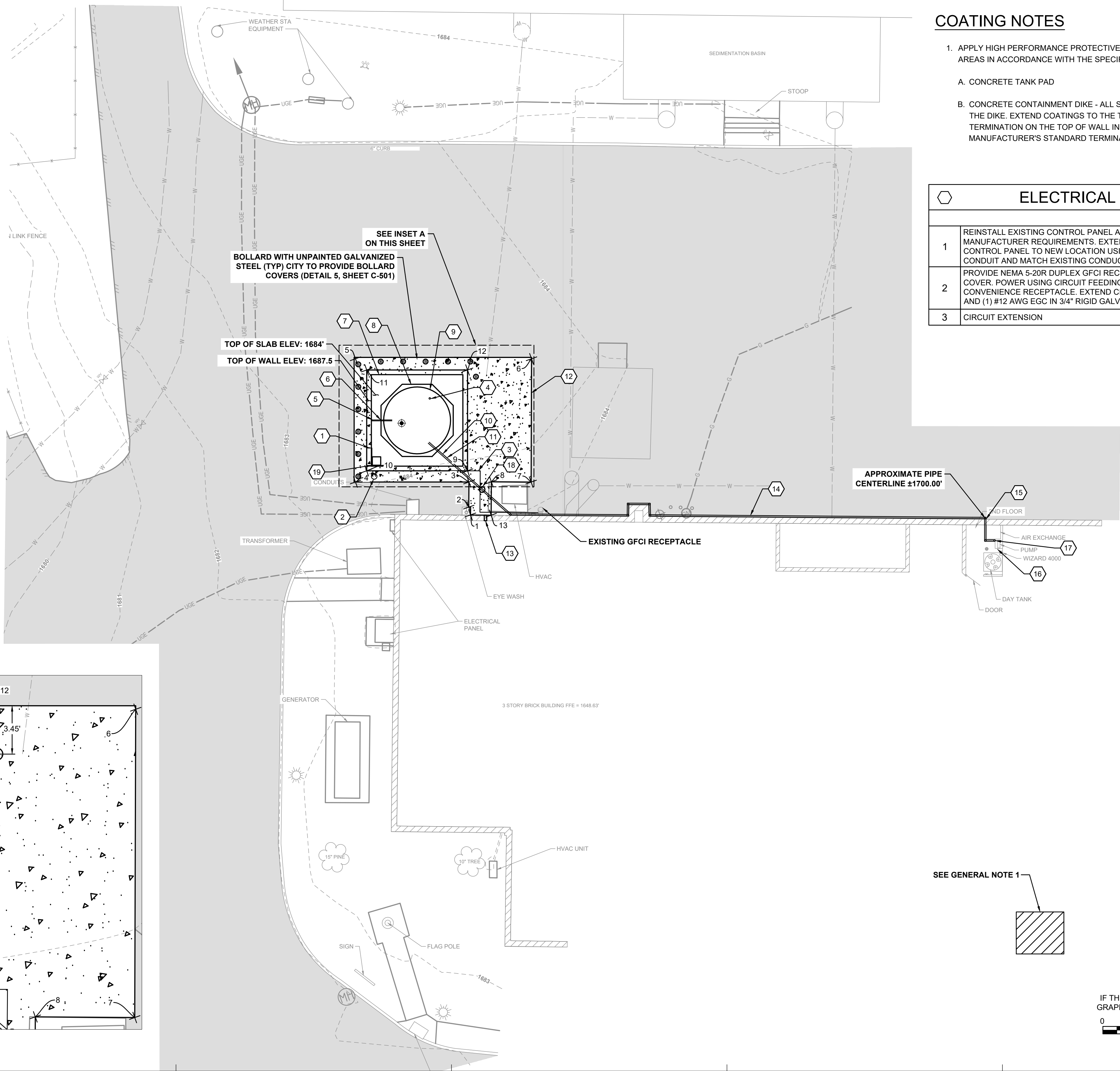
SCALE: 1" = 10'

CIVIL NOTES	
4	2" TOP MOUNT DRAIN WITH BLIND FLANGE (DETAIL 1, SHEET C-501)
5	PROVIDE 2" CPVC FILL PIPE WITH 2" BALL VALVE AND 2" CAMLOCK QUICK CONNECT. INSTALL FACE OF QUICK CONNECT AT INNER EDGE OF CONTAINMENT WALL FOLLOWED BY BALL VALVE. PROVIDE PIPE SUPPORTS FOR QUICK CONNECT AND BALL VALVE.
6	PROVIDE PIPE SUPPORT (DETAIL 2, SHEET C-501)
7	CONCRETE CONTAINMENT DIKE AND A HIGH PERFORMANCE COATING SYSTEM
8	TANK PAD (SHEET S-101 AND SECTION 1, S-301)
9	HFSA STORAGE TANK 1 (DETAIL 1, SHEET C-501)
10	PROVIDE 2" CPVC UNION, 2" BALL VALVE, 2" EXPANSION JOINT, AND 2" X 1" REDUCER WITH FULL SECONDARY CONTAINMENT PIPING AT CHEMICAL FEED PIPE TANK CONNECTION
11	PROVIDE INSPECTION PORT WITH DROP PIPE AND BALL VALVE (DETAIL 6, C-501) INSPECTION PORT TO BE LOCATED ON THE INTERIOR SIDE OF THE CONCRETE CONTAINMENT AREA
12	PROVIDE CONCRETE PAVEMENT PATCH (DETAIL 3, SHEET C-501)
13	PROVIDE NON-SHRINK GROUT PATCH FOR EXISTING WALL PENETRATION
14	PROVIDE CHEMICAL FEED PIPING BETWEEN TANK AND EXISTING CONNECTION IN SECOND FLOOR CHEMICAL FEED ROOM. SLOPE PIPE 1/8" PER FOOT BACK TOWARDS TANK. CHEMICAL FEED PIPE LAYOUT IS SCHEMATIC. CHEMICAL FEED PIPING MUST BE 1-INCH PRODUCT PIPE WITH 3-INCH CONTAINMENT PIPE. PROVIDE PIPE HANGERS AND SUPPORTS IN ACCORDANCE WITH PIPE SUPPORT SCHEDULE ON C-002 AND PIPE SUPPORT DETAILS ON S-301
15	PROVIDE WALL PENETRATION FOR DOUBLE WALL CHEMICAL CONTAINMENT PIPING 1' ABOVE 2ND FLOOR FINISH FLOOR ELEVATION (DETAIL 7, S-301)
16	PATCH FLOOR PENETRATION WITH NON-SHRINK GROUT AFTER DEMOLISHING EXISTING PIPE
17	PROVIDE 1" BALL VALVE AND 1" REINFORCED VACUUM RATED PVC HOSE TO CONNECT TO EXISTING PUMP
18	SONOTUBE PIPE SUPPORT FOUNDATION. SEE S-101 FOR LOCATION
19	REINSTALL SUMP PUMP

POINT #	NORTHING	EASTING	DESCRIPTION
1	6749527.13	11313247.49	EDGE OF ASPHALT
2	6749528.54	11313247.66	EDGE OF ASPHALT
3	6749532.76	11313249.20	EDGE OF ASPHALT
4	6749539.54	11313230.12	EDGE OF ASPHALT
5	6749560.27	11313237.48	EDGE OF ASPHALT
6	6749549.75	11313267.09	EDGE OF ASPHALT
7	6749529.03	11313259.65	EDGE OF ASPHALT
8	6749531.45	11313252.98	EDGE OF ASPHALT
9	6749534.73	11313249.63	CONTAINMENT WALL CORNER
10	6749540.75	11313232.67	CONTAINMENT WALL CORNER
11	6749557.71	11313238.70	CONTAINMENT WALL CORNER
12	6749551.69	11313255.66	CONTAINMENT WALL CORNER
13	6749525.85	11313250.94	EDGE OF ASPHALT



INSET A
SCALE: 1" = 4'

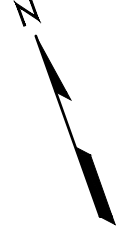
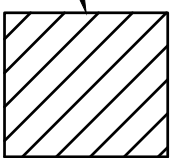


1. REPLACE FLUORIDE ANALYZER WITH HACH CA610 FLUORIDE ANALYZER. PROVIDE ADDITIONAL PIPING, TUBING, FITTINGS, MOUNTING BRACKETS, SUPPORTS, AND ACCESSORIES AS NEEDED TO INSTALL FLUORIDE ANALYZER. VERIFY LOCATION OF THE INSTRUMENT WITH OWNER PRIOR TO ORDERING MATERIALS. CONNECT TO EXISTING WIRING.

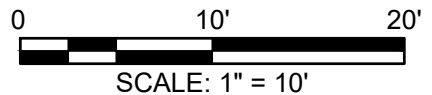
1. APPLY HIGH PERFORMANCE PROTECTIVE COATINGS TO THE FOLLOWING AREAS IN ACCORDANCE WITH THE SPECIFICATIONS:
 - A. CONCRETE TANK PAD
 - B. CONCRETE CONTAINMENT DIKE - ALL SURFACES AND SUMPS INTERIOR TO THE DIKE. EXTEND COATINGS TO THE TOP OF WALL AND PROVIDE TERMINATION ON THE TOP OF WALL IN ACCORDANCE WITH MANUFACTURER'S STANDARD TERMINATION DETAILS.

1	REINSTALL EXISTING CONTROL PANEL AND HIGH LEVEL SENSOR PER MANUFACTURER REQUIREMENTS. EXTEND WIRING PREVIOUSLY FEEDING CONTROL PANEL TO NEW LOCATION USING 3/4" RIGID GALVANIZED STEEL CONDUIT AND MATCH EXISTING CONDUCTOR TYPE.
2	PROVIDE NEMA 5-20R DUPLEX GFCI RECEPTACLE IN WEATHERPROOF COVER. POWER USING CIRCUIT FEEDING INDICATED EXISTING CONVENIENCE RECEPTACLE. EXTEND CIRCUITRY USING (2) #12 AWG WIRE AND (1) #12 AWG EGC IN 3/4" RIGID GALVANIZED STEEL CONDUIT.
3	CIRCUIT EXTENSION

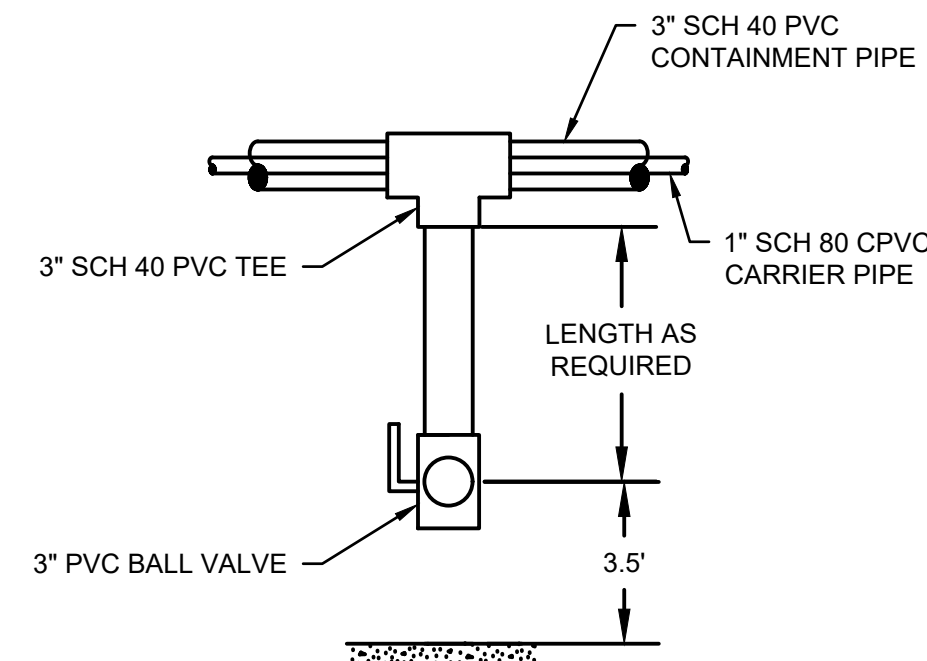
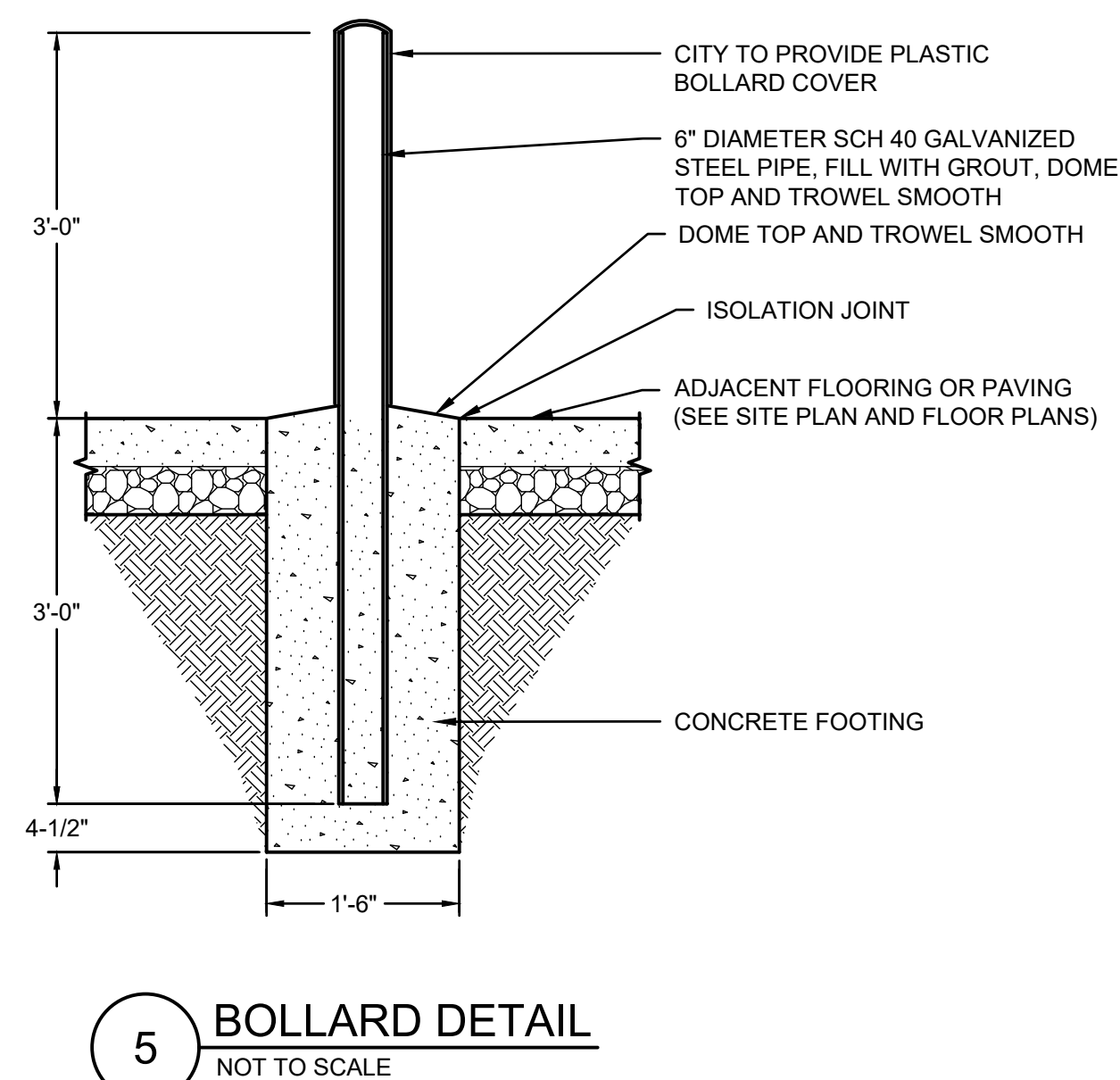
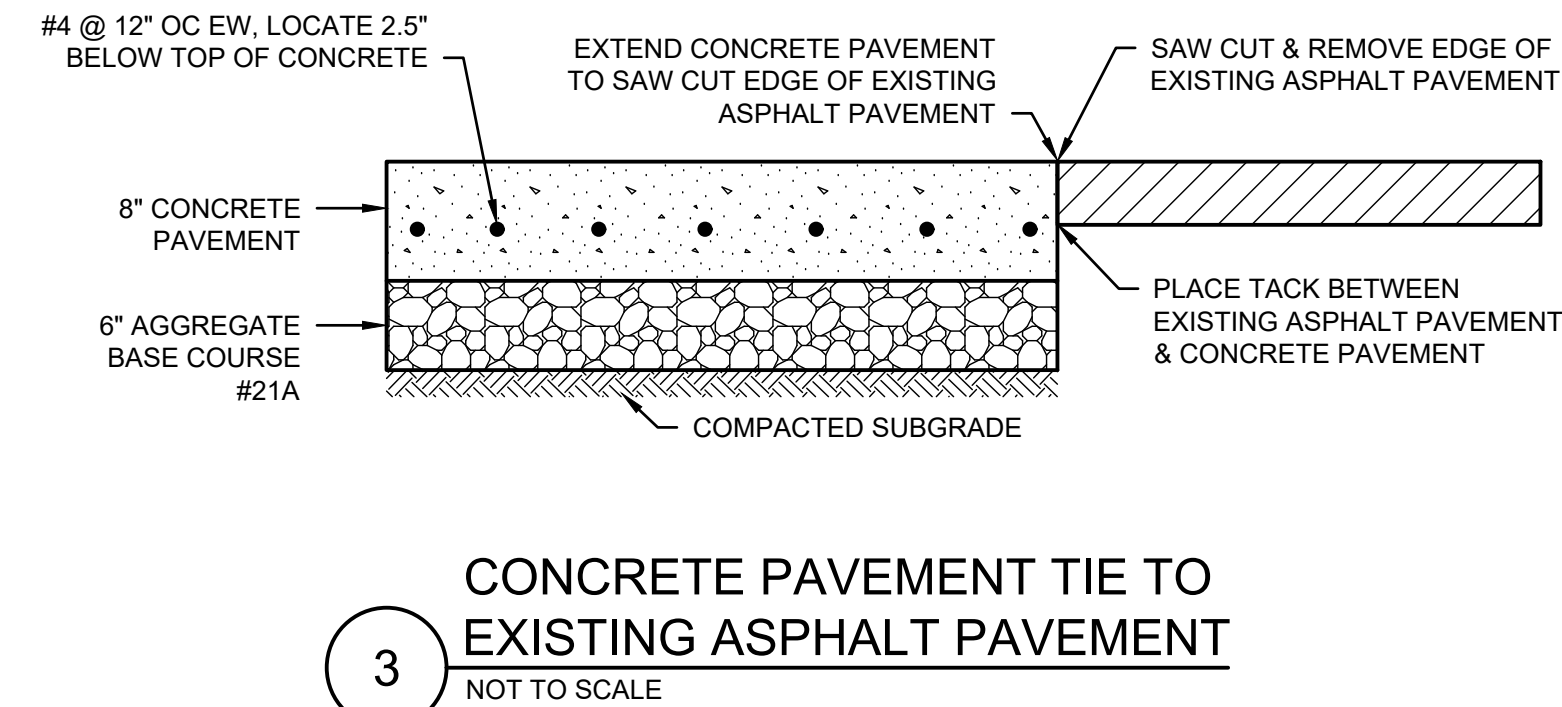
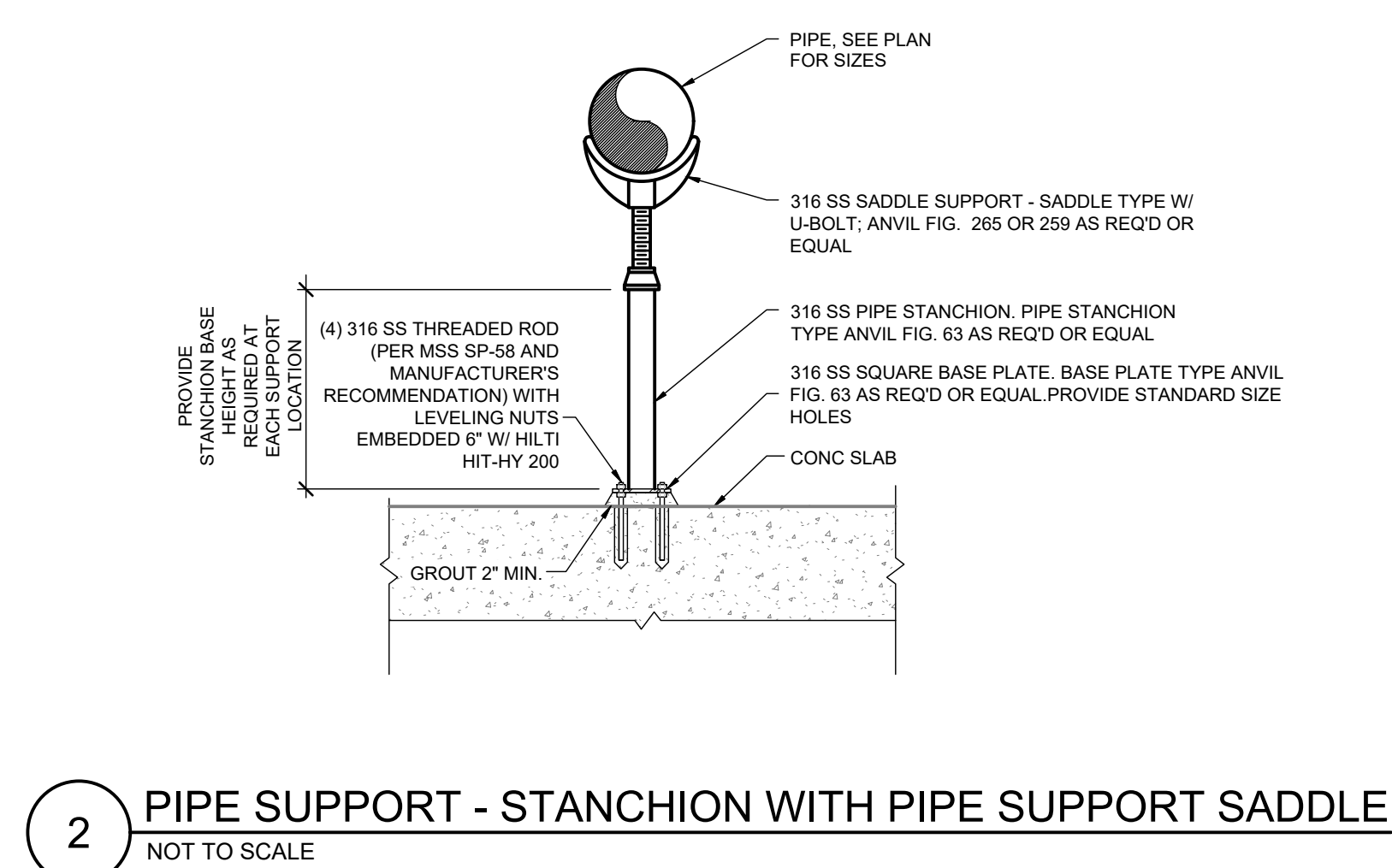
SEE GENERAL NOTE 1 —



IF THIS DRAWING IS REDUCED,
GRAPHIC SCALE MUST BE USED.

[illegible]

COMM NO: 230145.00	
DATE: 01/23/2026	
DRAWN: MKA	DESIGN: MCM
CHECK: MCP	
SHEET TITLE	



Wiley | Wilson®
Constant Progress

127 Nationwide Drive | Lynchburg, VA 24502
434.947.1901 | wileywilson.com | 100% Employee-Owned



CITY OF STAUNTON
FLUORIDE TANK REPLACEMENT

STALINTON VIRGINIA

[illegible]

COMM NO:	230145.00	
DATE:	01/23/2026	
DRAWN: MKA	DESIGN: MCM	
CHECK: MCP		
SHEET TITLE		

DETAILS SHEET

SHT. NO. C-501	REV. NO. 0
-------------------	---------------

1/22/2026 11:49:12 PM
230145_R21_S_CEN_New_detached.rvt

E

D

C

B

A

J. STRUCTURAL - CONCRETE CONSTRUCTION SECTION			
CONCRETE CONSTRUCTION, INCLUDING COMPOSITE DECK - VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.3, 1(ACI 318 REFERENCES NOTED IN IBC TABLE)			
INSPECTION REQ (Y/N)	TASK	INSPECTION TYPE	DESCRIPTION
Y	1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT	OBSERVE	VERIFY PRIOR TO PLACING CONCRETE THAT REINFORCING IS OF SPECIFIED TYPE, GRADE AND SIZE; THAT IS FREE OF OIL, DIRT AND UNACCEPTABLE RUST; THAT IS LOCATED AND SPACED PROPERLY; THAT HOOKS, BENDS, TIES, STIRRUPS AND SUPPLEMENTAL REINFORCEMENT ARE PLACED CORRECTLY; THAT LAP LENGTHS, STAGGER AND OFFSETS ARE PROVIDED; AND THAT ALL MECHANICAL CONNECTIONS ARE INSTALLED PER THE MANUFACTURER'S INSTRUCTIONS AND/OR EVALUATION REPORT
N	2. REINFORCING BAR WELDING	OBSERVE	-VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A 706 -INSPECT SINGLE-PASS FILLET WELDS, MAXIMUM 5/16" IN ACCORDANCE WITH AWS D1.4
Y	3. ALL OTHER WELDING	CONTINUOUS	VISUALLY INSPECT ALL WELDS IN ACCORDANCE WITH AWS D1.4
Y	4. CAST IN PLACE ANCHORS AND POST INSTALLED DRILLED ANCHORS (DOWNWARD INCLINED)	OBSERVE	VERIFY PRIOR TO PLACING CONCRETE THAT CAST IN PLACE ANCHOR AND POST INSTALLED DRILLED ANCHORS HAVE PROPER EMBEDMENT, SPACING AND EDGE DISTANCE
Y	5. POST-INSTALLED ADHESIVE ANCHORS IN HORIZONTAL OR UPWARD INCLINED ORIENTATION	CONTINUOUS & DOCUMENT	-INSPECT AS REQUIRED PER APPROVED ICC-ES REPORT -VERIFY THAT INSTALLER IS CERTIFIED FOR INSTALLATION OF HORIZONTAL AND OVERHEAD APPLICATIONS -INSPECT PROOF LOADING AS REQUIRED BY THE CONTRACT DOCUMENTS
Y	6. VERIFY USE OF REQUIRED MIX DESIGN	OBSERVE	VERIFY THAT ALL MIXES USED COMPLY WITH THE APPROVED CONSTRUCTION DOCUMENTS
Y	7. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	CONTINUOUS	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TEST VERIFY THESE TESTS ARE PERFORMED BY QUALIFIED TECHNICIANS
Y	8. INSPECT CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	CONTINUOUS	VERIFY PROPER APPLICATION TECHNIQUES ARE USED DURING CONCRETE CONVEYANCE AND DEPOSITING AVOIDS SEGREGATION OR CONTAMINATION. VERIFY THAT CONCRETE IS PROPERLY CONSOLIDATED
Y	9. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUE	OBSERVE	INSPECT CURING, COLD WEATHER PROTECTION, AND HOT WEATHER PROTECTION PROCEDURES
Y	10. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	OBSERVE	

L. GEOTECHNICAL - SOILS INSPECTION SECTION			
SOILS INSPECTION - VERIFY THE FOLLOWING ARE IN COMPLIANCE...			
INSPECTION REQ (Y/N)	TASK	INSPECTION TYPE	DESCRIPTION
Y	1MATERIALS BELOW SHALLOW FOUNDATIONS ARE .ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	OBSERVE	
Y	2EXCAVATIONS ARE EXTENDED TO PROPER DEPTH .AND HAVE REACHED PROPER MATERIAL	OBSERVE	
Y	3VERIFY USE OF PROPER MATERIALS, DENSITIES .AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL	CONTINUOUS	
Y	4PRIOR TO PLACEMENT OF COMPACTED FILL, .INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	OBSERVE	DURING FILL PLACEMENT, THE SPECIAL INSPECTOR SHALL VERIFY THAT PROPER MATERIALS AND PROCEDURES ARE USED IN ACCORDANCE WITH THE PROVISIONS OF THE APPROVED GEOTECHNICAL REPORT

E. STRUCTURAL - STEEL - OTHER INSPECTIONS			
NONDESTRUCTIVE TESTING OF WELDED JOINTS-VERIFY THE FOLLOWING ARE IN COMPLIANCE IBC 1705.2.1, AISC 360-10: SECTION N5.5			
INSPECTION REQ (Y/N)	TASK	INSPECTION TYPE	DESCRIPTION
Y	ANCHOR RODS AND OTHER EMBEDMENTS SUPPORTING STRUCTURAL STEEL	PERFORM	VERIFY THE DIAMETER, GRADE, TYPE, AND LENGTH OF THE ANCHOR ROD OR EMBEDDED ITEM, AND THE EXTENT OR DEPTH OF EMBEDMENT PRIOR TO PLACEMENT OF CONCRETE



127 Nationwide Drive | Lynchburg, VA 24502
434.947.1901 | wileywilson.com | 100% Employee-Owned



CITY OF STAUNTON
FLUORIDE TANK REPLACEMENT

STAUNTON, VIRGINIA

MRK		DATE	REVISION DESCRIPTION

1/22/2026 11:49:13 PM
230145_R21_S_CEN_New_detached.rvt

E

D

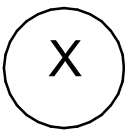
C

B

A

DRAWING SYMBOLS

PLAN/SECTION
TITLE



TITLE NAME

SCALE:

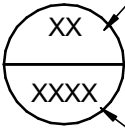
ELEVATION
INDICATOR



FLOOR ELEVATION TARGET
OR TOP OF MATERIAL
DESIGNATION

BUILDING DATUM
ELEVATION

DETAIL
INDICATOR



DETAIL NUMBER

REFERENCE SHEET
NUMBER

SECTION
INDICATOR



SECTION NUMBER

REFERENCE SHEET
NUMBER

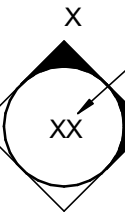
ELEVATION
INDICATOR



ELEVATION
NUMBER

REFERENCE
SHEET NUMBER

INTERIOR
ELEVATION
INDICATOR



DRAWING
ELEVATION IS
SHOWN

ELEVATION NUMBER

PLAN
NORTH

NORTH
ARROW



ABBREVIATIONS

#	NUMBER
&	AND
=	EQUAL, EQUALS
@	AT
AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
ADD'L	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISEHD FLOOR
AH, AHU	AIR HANDLING UNIT
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ALT	ALTERNATE
APA	AMERICAN PLYWOOD ASSOCIATION
APPROX	APPROXIMATELY
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AT/FP	ANTI-TERRORISM/ FORCE PROTECTION
AWS	AMERICAN WELDING SOCIETY
BET	BETWEEN
BLW	BELOW
BM	BEAM
BOF	BOTTOM OF FOOTING
BOT, B/	BOTTOM
BRG	BEARING
C	CHANNEL
CENT	CENTERED
CFMF	COLD-FORMED METAL FRAMING
CFS	COLD-FORMED STEEL
CIP	CAST IN PLACE
CJ	CONTROL JOINT/CEILING JOIST
CJP	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CONC	CONCRETE
COND	CONDITION
CONN	CONNECT, CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
D	DEEP, DEPTH
D.B.A.	DEFORMED BAR ANCHOR
DEG	DEGREE
DEM	DEMOLISH, DEMOLITION
DEP	DEPRESSED
DET	DETAIL
DIA	DIAMETER
DIAG	DIAGONAL
DL	DEADLOAD
DO	DITTO
DT	DRAG TRUSS
DWG(S)	DRAWINGS
DWL	DOWEL
EA	EACH
EF	EACH FACE
ELEC	ELECTRICAL
ELEV	ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EACH SIDE
EW	EACH WAY
EXIST	EXISTING
EXT	EXTERNAL, EXTERIOR
FF	FAR FACE
FFE	FINISH FLOOR ELEVATION
FG	FINISH GRADE
FJ	FLOOR JOIST
FMG	FRAMING
FN	FIELD NAIL
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FS	FAR SIDE
FT, '	FOOT
FTG	FOOTING
FY	YIELD STRESS
GA	GAUGE
GLB	GLUED LAMINATED BEAM
GT	GIRDER TRUSS
GUSS	GUSSET
GYP BD	GYP SUM BOARD
HD	HOLD DOWN
HDR	HEADER
HGR	HANGER
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION

HT	HEIGHT
HVAC	HEATNG/ VENTILATING/ AIR CONDITIONING
I	MOMENT OF INERTIA
IBC	INTERNATIONAL BUILDING CODE
ICF	INSULATED CONCRETE FORM
ID	INSIDE DIAMETER
IN, "	INCH
INCL	INCLUDE
INFO	INFORMATION
INS	INSULATED, INSULATION
JST	JOIST
K, KIPS	THOUSAND POUNDS
L	LENGTH, ANGLE
LB	POUND
LG	LONG
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATE, LOCATION
LONG	LONGITUDINAL
LP	LOW POINT
LW	LIGHT WEIGHT
MAS	MASONRY
MB	MACHINE BOLT
MBR	MEMBER
MECH	MECHANICAL
MED	MEDIUM
MEZZ	MEZZANINE
MF	MOMENT FRAM
MFG, MANUF	MANUFACTURING
MIN	MINIMUM
MO	MASONRY OPENING
MOD	MODIFY, MODIFIED
MRF	MANUFACTURER
NF	NEAR FACE
NOM	NOMINAL
NS	NEAR SIDE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OH	OPPOSITE HAND, OVERHEAD
OWSJ	OPEN WEB STEEL JOIST
P/C	PIN CONNECTED
PAR	PARALLEL
PCC	PRECAST CONCRETE
PCF	POUNDS PER CUBIC FOOT
PEN	PENETRATION
PFJ	PERIMETER FELT JOINT
PL	PLATE
PLUMB	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED, POINT, PRETENSIONED
RAP	AGGREGATE PIERS
REINF	REINFORCING, REINFORCED
REQ	REQUIRED
RET	RETURN, RETAINING
REV	REVISION, REVISED
RF	ROOF
RFT	RAFTERS
RPM	REVOLUTIONS PR MINUTE
RS	ROUGH SAWN
RT	ROOF TRUSS
S	SECTION MODULUS
SC	SLIP CRITICAL
SCBRW	SEGMENTAL CONCRETE BLOCK RETAINING WALL
SCHED	SCHEDULE
SDI	STEEL DECK INSTITUTE
SECT	SECTION
SEIS	SEISMIC
SEP	SEPARATION
SHT	SHEET
SIM	SIMILAR
SJI	STEEL JOIST INSTITUTE
SMS	SHEET METAL SCREW
SPEC(S)	SPECIFICATION(S)
SPRT	SUPPORT
SQ	SQUARE
SS	STAINLESS STEEL
ST	SNUG TIGHT
STD	STANDARD
STIF/STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL, STRUCTURE
SUSP	SUSPENDED
SYM	SYMMETRICAL
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T/	TOP OF
TGB	TOP OF GRADE BEAM
THK	THICK, THICKNESS

TL	TOTAL LOAD
TN	TOE NAIL
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOW	TOP OF WALL
TYP	TYPICAL
UFC	UNITED FACILITIES CRITERIA
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
VB	VAPOR BARRIER
VERT	VERTICAL
W	WIDTH, WEST, WIDE FLANGE
w/	WITH
WF	WIDE FLANGE
WPT	WORKING POINT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH
x	BY, TIMES



127 Nationwide Drive | Lynchburg, VA 24502
434.947.1901 | wileywilson.com | 100% Employee-Owned



CITY OF STAUNTON FLUORIDE TANK REPLACEMENT

STAUNTON, VIRGINIA

REVISION DESCRIPTION

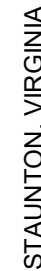
MRK DATE

COMM NO:	230145		
DATE:	01/23/2026		
DRAWN:	RMA	DESIGN:	RMA
CHECK:	SMF		

SHEET TITLE

SYMBOLS AND
ABBREVIATIONS

SHT. NO.	REV. NO.
S-003	



CITY OF STAUNTON
FLUORIDE TANK REPLACEMENT

COMM NO:	230145		
DATE:	01/23/2026		
DRAWN:	RMA	DESIGN:	RMA
CHECK:	SMF		

SHEET TITLE

FOUNDATION PLAN

SHT. NO. S-101

REV. NO.	
----------	--



FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

FOUNDATION PLAN NOTES

1. REFERENCE ELEVATION T/SLAB = +0'-0" (ACTUAL ELEVATION = 1684'-0").
2. CONTRACTOR MUST COORDINATE WITH CIVIL DRAWINGS TO VERIFY LOCATIONS OF UTILITIES PRIOR TO START OF CONSTRUCTION.
3. TANK ANCHORAGE IS A DELEGATED DESIGN ITEM. SPECIALTY ENGINEER RESPONSIBLE FOR DESIGN AND MUST EXTEND ANCHORAGE THROUGH TANK PAD AND INTO MAT SLAB.
4. ALL STEEL MUST BE HOT-DIPPED GALVANIZED.
5. SEE CIVIL SHEET C-102 FOR NORTHING AND EASTING SPOT SHOTS.





STANTON VIRGINIA

REVISION DESCRIPTION

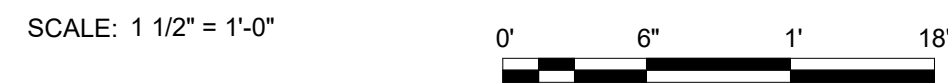
2	MDK
---	-----

STRUCTURAL SECTIONS AND DETAILS

SHT. NO. S-301	REV. NO.
--------------------------	----------



SCALE: 3/4" = 1'-0"

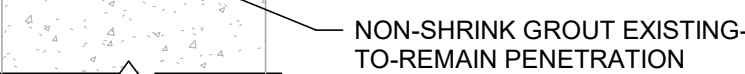


SCALE: 1 1/2" = 1'-0"

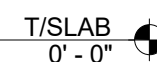
0' 6" 1' 18"

A horizontal graphic scale bar with alternating black and white segments. It is marked with '0'', '6"', '1'', and '18\"

7 DETAIL -
SCALE: NO SCALE



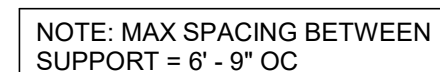
8 DETAIL -
SCALE: NO SCALE



SCALE: 3/4" = 1'-0"



5 DETAIL -
SCALE: 3" = 1'-0"



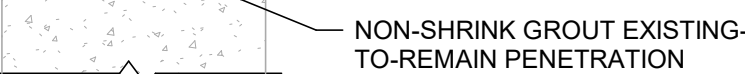
6 DETAIL - WALL SUPPORT

SCALE: 3" = 1'-0"

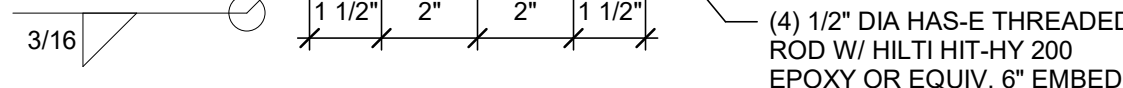
0' 3" 6" 9"



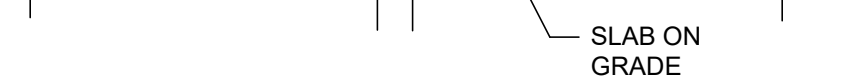
7 DETAIL -
SCALE: NO SCALE



8 DETAIL -
SCALE: NO SCALE



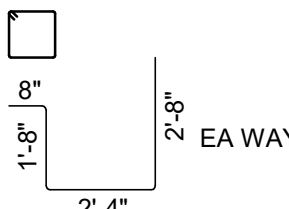
2 DETAIL -
SCALE: 3" = 1'-0"



3) DETAIL - CONC TANK PAD

SCALE: 3/4" = 1'-0"

0' 1' 2' 3'



4 DETAIL - SUMP PIT

SCALE: 3/4" = 1'-0"

0' 1' 2'