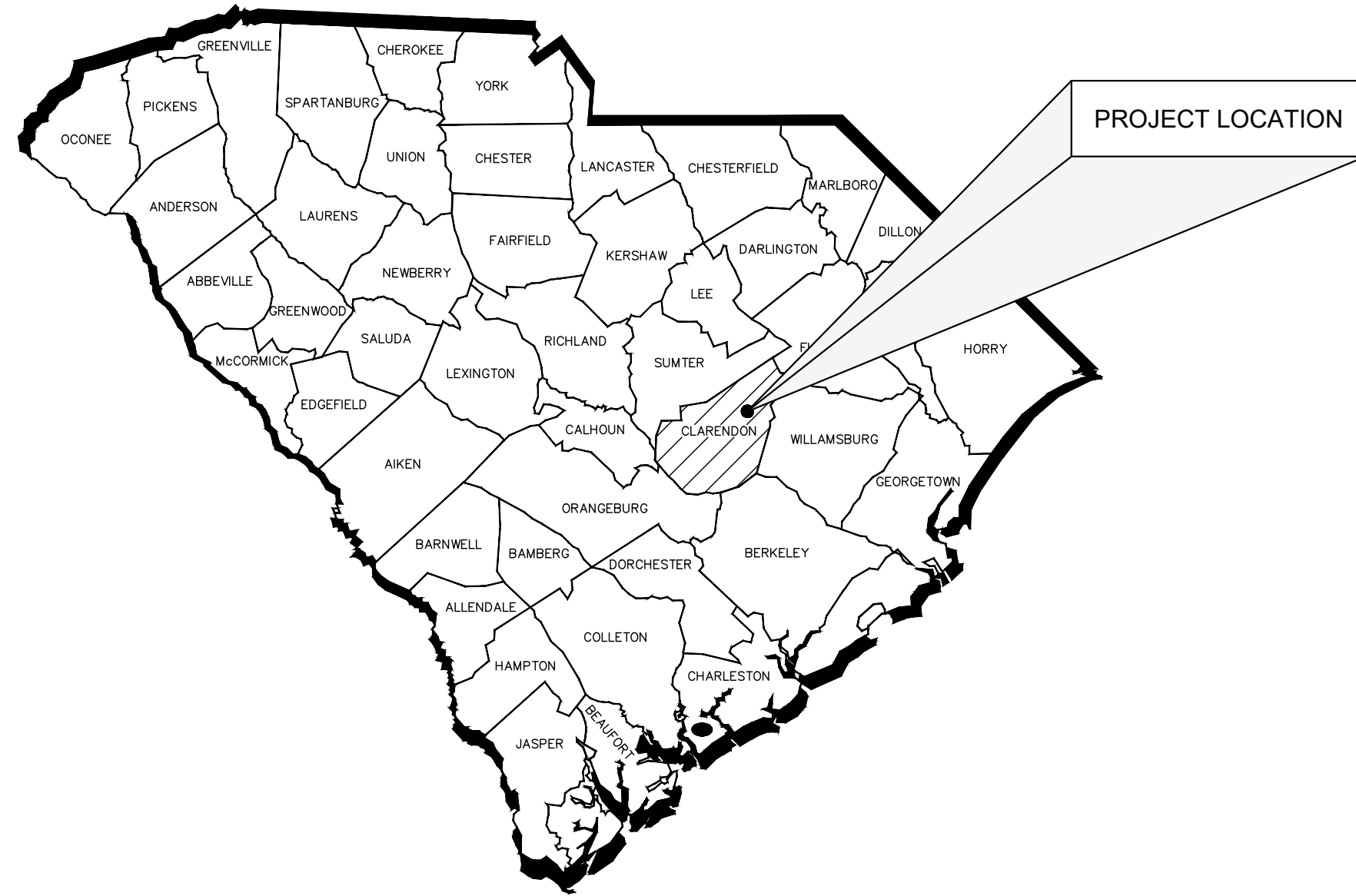
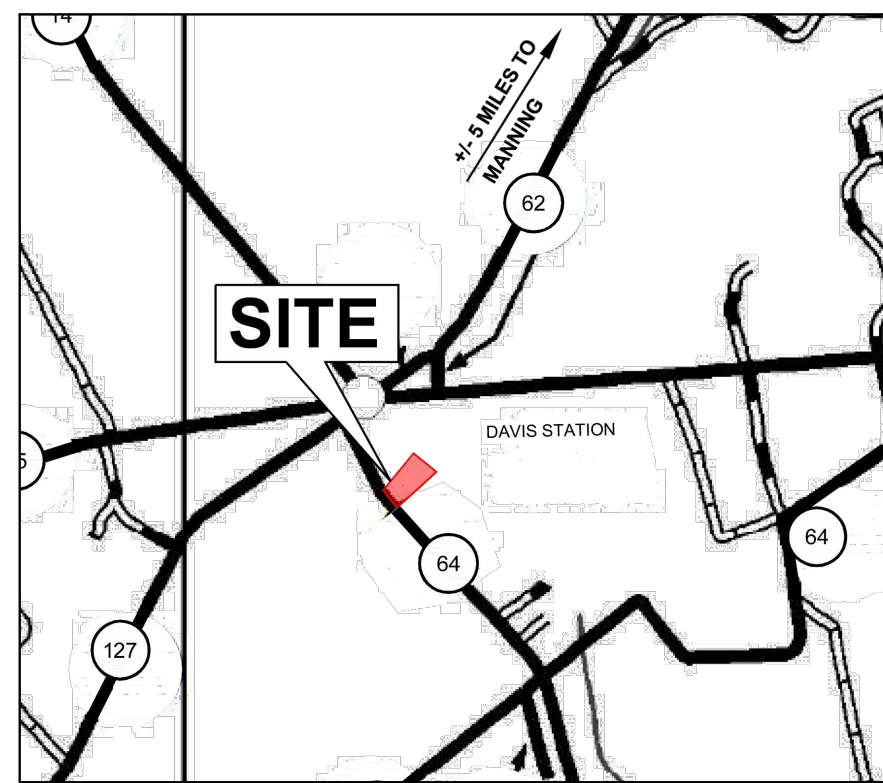


NEW 250,000 GALLON ELEVATED STORAGE TANK GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V) CLARENDON COUNTY, SOUTH CAROLINA (SCIIP PROJECT NO. A-23-C042)

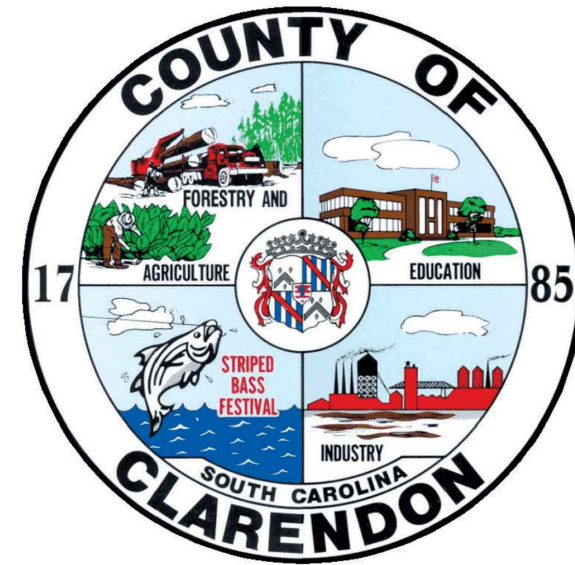


VICINITY MAP
NOT TO SCALE



SITE LOCATION
NOT TO SCALE

OWNER
CLARENDON COUNTY
411 SUNSET DRIVE
MANNING, SC 29102
PHONE: 803-435-0135
FAX: 803-435-2653
LYNDEN ANTHONY - COUNTY ADMINISTRATOR



CIVIL ENGINEER
ALLIANCE CONSULTING ENGINEERS, INC.
124 VERDAE BOULEVARD, BONAVENTURE II - SUITE 505
GREENVILLE, SOUTH CAROLINA 29607-3843
(864) 284-1740
CONTACT: ADAM R. HOGAN, P.E.



SHEET INDEX

COVER SHEET	GENERAL CONSTRUCTION NOTES
C-1.0	EXISTING CONDITIONS PLAN
C-2.0	WELL AND TANK SITE PLAN
C-3.0	UTILITY PLAN
C-4.0	GRADING AND STORM DRAINAGE PLAN
C-5.0	EROSION AND SEDIMENT CONTROL DETAILS
C-6.0	WELL DETAIL SHEET
C-7.0	TANK DETAIL SHEET
C-8.0	EROSION AND SEDIMENT CONTROL DETAILS
C-9.0 - C-9.1	EROSION AND SEDIMENT CONTROL DETAILS
C-10.0 - C-10.3	GENERAL DETAILS



Know what's below.
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THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND, WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. SC LAW REQUIRES THE CONTRACTOR TO CALL THE UTILITY PROTECTION CENTER AT LEAST 72 HOURS BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE THE RELOCATION OF ALL THE UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

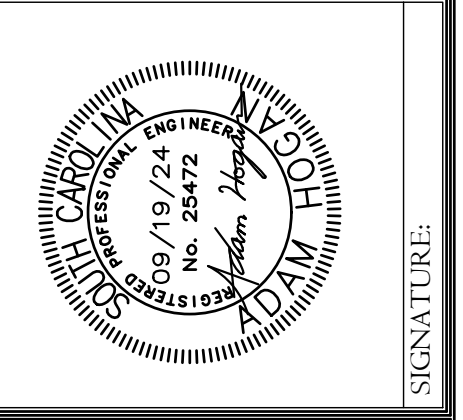
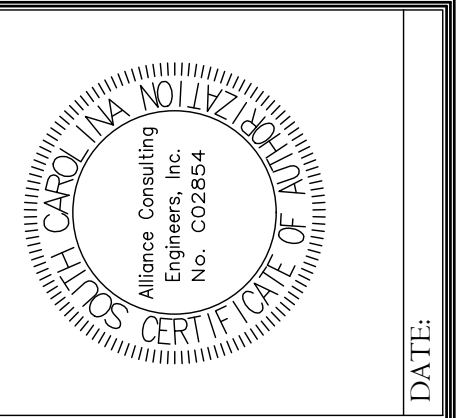
CERTIFICATION STATEMENTS

I, _____, HAVE PLACED MY SIGNATURE AND SEAL ON THE DESIGN DOCUMENTS SUBMITTED SIGNIFYING THAT I ACCEPT RESPONSIBILITY FOR THE DESIGN OF THE SYSTEM. FURTHER, I CERTIFY TO THE BEST OF MY KNOWLEDGE AND BELIEF THAT THE DESIGN IS CONSISTENT WITH THE REQUIREMENTS OF TITLE 48, CHAPTER 14 OF THE CODE OF LAWS OF SC, 1976 AS AMENDED, PURSUANT TO REGULATION 72-300 ET SEQ. (IF APPLICABLE), AND IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF SCR100000.

LEGEND

---	EXISTING CONTOUR MAJOR	---	PROPOSED CONTOUR MAJOR
---	EXISTING CONTOUR MINOR	---	PROPOSED CONTOUR MINOR
⊗	EXISTING WATER/GAS VALVE	⊗	PROPOSED WATER VALVE
⊗	EXISTING WATER/GAS METER	⊗	PROPOSED WATER METER
⊗	EXISTING TREE LINE	⊗	PROPOSED FORCE MAIN
⊗	EXISTING POWER POLE	⊗	PROPOSED ARV
⊗	EXISTING LIGHT POLE	⊗	PROPOSED GRAVITY WASTEWATER LINE
---	EXISTING OVERHEAD ELECTRICAL LINE	⊗	PROPOSED MANHOLE
---	EXISTING FIBER-OPTIC CABLE LINE	---	PROPOSED WATER LINE
---	EXISTING UNDERGROUND TELECOM LINE	---	PROPOSED HYDRANT
---	EXISTING TELECOM/FIBER-OPTIC BOX	---	PROPOSED STORM DRAIN
---	EXISTING GAS LINE	---	PROPOSED STORM DRAIN STRUCTURE
---	EXISTING FENCE	---	PROPOSED DEMOLITION
---	EXISTING FORCEMAIN	---	PROPOSED EROSION CONTROL MATTING
---	EXISTING ARV	---	PROPOSED RIP RAP
---	EXISTING GRAVITY WASTEWATER LINE	---	PROPOSED INLET PROTECTION
---	EXISTING MANHOLE	---	PROPOSED SILT FENCE
---	CLEANOUT	---	PROPOSED FENCE
---	EXISTING WATER LINE	---	RIGHT-OF-WAY
---	EXISTING HYDRANT	---	PROPERTY LINE
---	EXISTING STORM DRAIN	---	LIMITS OF DISTURBANCE
---	EXISTING STORM DRAIN STRUCTURE	---	EASEMENT
---	EXISTING BUILDING	---	WETLANDS AND BUFFER
---	CONCRETE	---	WATERWAY
---	GRAVEL		
---	ASPHALT		
---	GUARDRAIL		
---	BOLLARD		

REVISION DATE	
DATE	REVISION DESCRIPTION



ALLIANCE CONSULTING ENGINEERS
Alliance Consulting Engineers, Inc.
124 Verdae Boulevard, Bonaventure II, Suite 505 - Greenville, SC 29607
Phone: (864) 284-1740 • Fax: (864) 284-1741

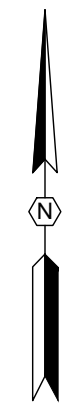
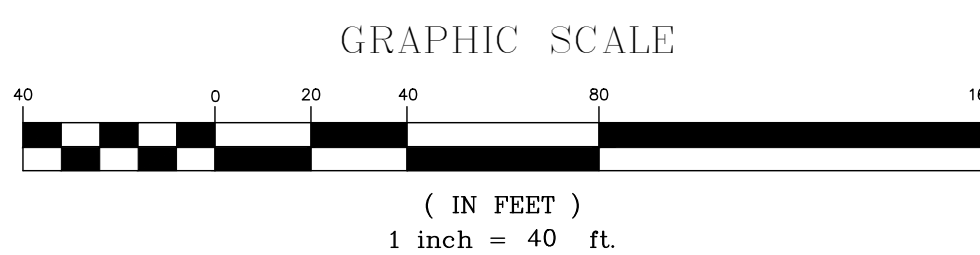
PROJECT: NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V) CLARENDON COUNTY SOUTH CAROLINA
SHEET: COVER
DATE: JANUARY 2024
SCALE: AS SHOWN

FILE NAME: 23192 PLAN SET.DWG
REFERENCE FILE: ACE SURVEY.DWG
PROJECT NO.: 23192-0014
SHEET COVER OF 15

DWG NO. 01.1669-D29

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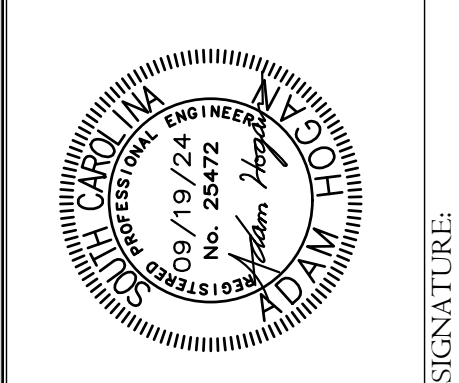
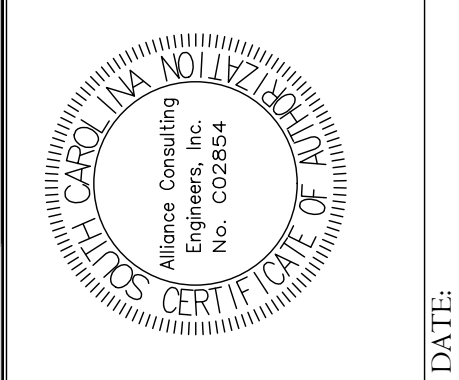
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 Alliance Consulting Engineers, Inc.
 124 Verdrie Blvd., Greenville, SC 29607
 Phone: (864) 284-1740 • Fax: (864) 284-1741

PROJECT: EXISTING CONDITIONS PLAN
 SHEET: AS SHOWN
 DATE: JANUARY 2024

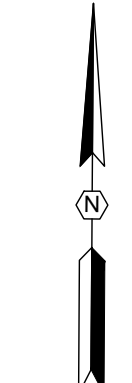
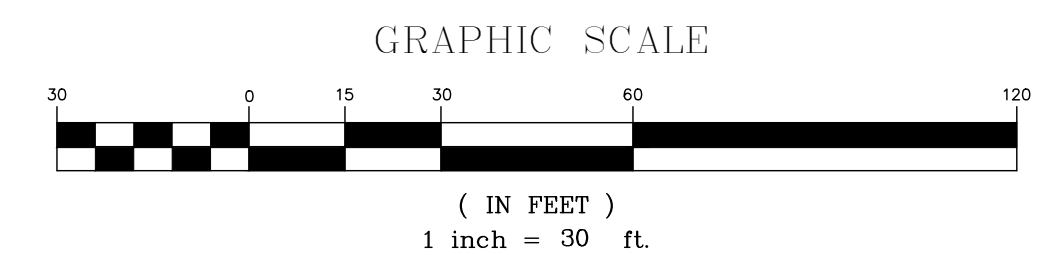
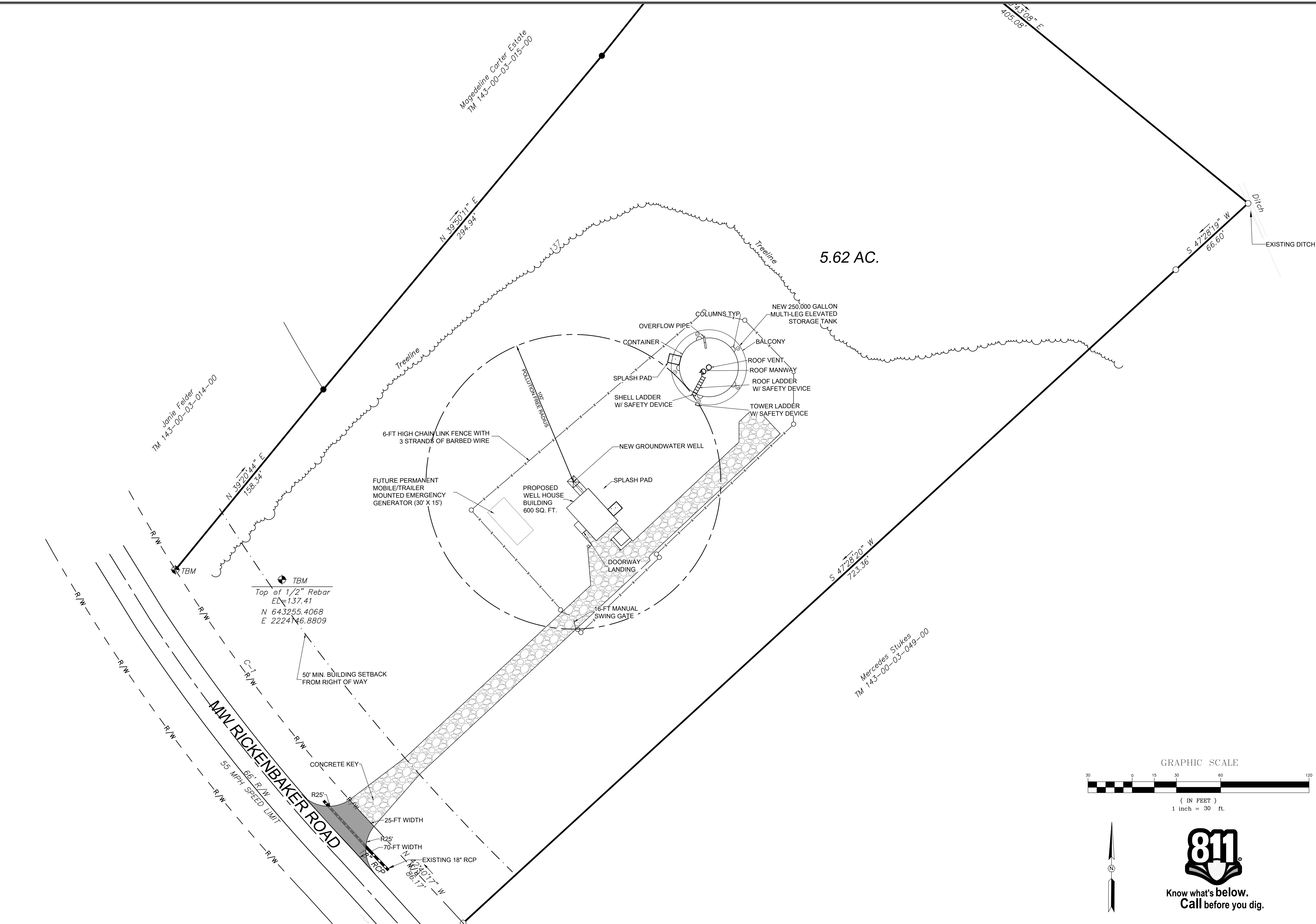
PROJECT: NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V)
 CLARENDON COUNTY SOUTH CAROLINA

FILE NAME: 23192 PLAN SET.DWG
 REFERENCE FILE: ACE SURVEY.DWG
 PROJECT NO.: 23192-0014

SHEET C-2.0 OF 15

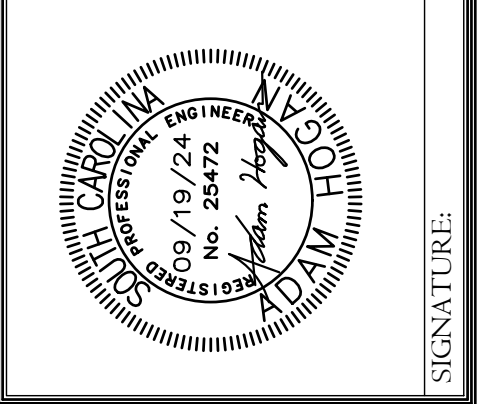
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Alliance Consulting Engineers, Inc.
 124 Verdrie Blvd., Mount Pleasant, SC 29607
 Phone: (864) 284-1740 • Fax: (864) 284-1741

WELL AND TANK SITE PLAN

DATE: JANUARY 2024 SCALE: AS SHOWN

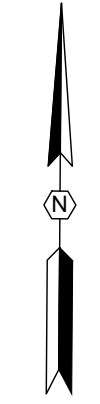
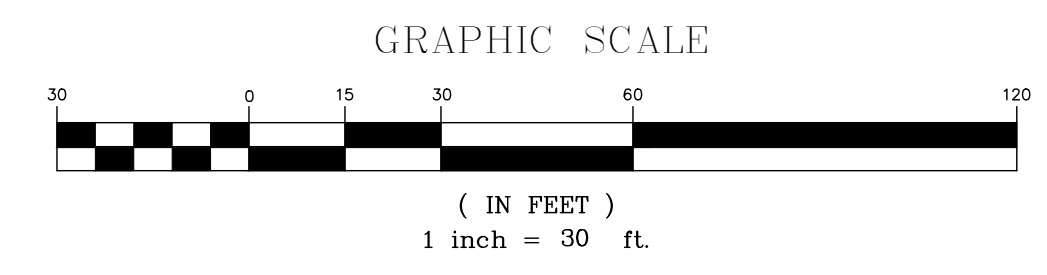
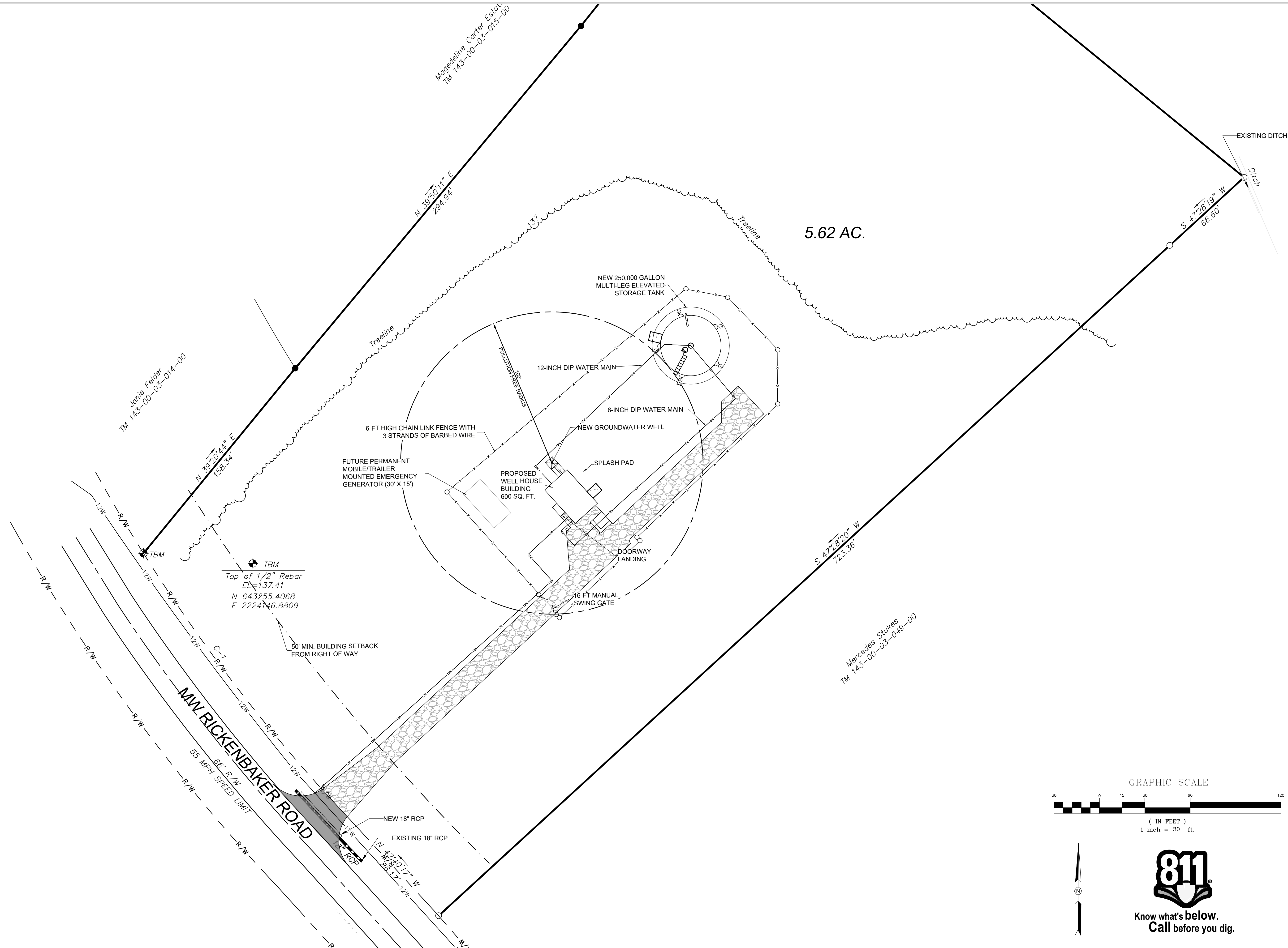
NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V)

CLARENDON COUNTY SOUTH CAROLINA

FILE NAME:	23192 PLAN SET.DWG	SHEET	C-3.0
REFERENCE FILE:	ACE SURVEY.DWG	OF	15
PROJECT NO.:	23192-0014		

DWG NO. 01.1669-D29

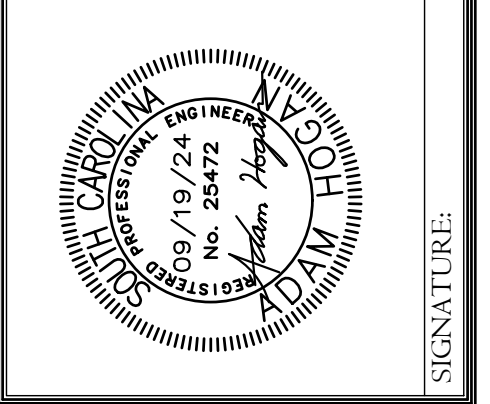
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CHECKED BY	ARH	APPROVED	ARH		



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 Alliance Consulting Engineers, Inc.
 124 Verdine Blvd., Lawrenceville, GA 30046
 Phone: (864) 284-1740 • Fax: (864) 284-1741

UTILITY PLAN
 SHEET
 DATE: JANUARY 2024
 SCALE: AS SHOWN

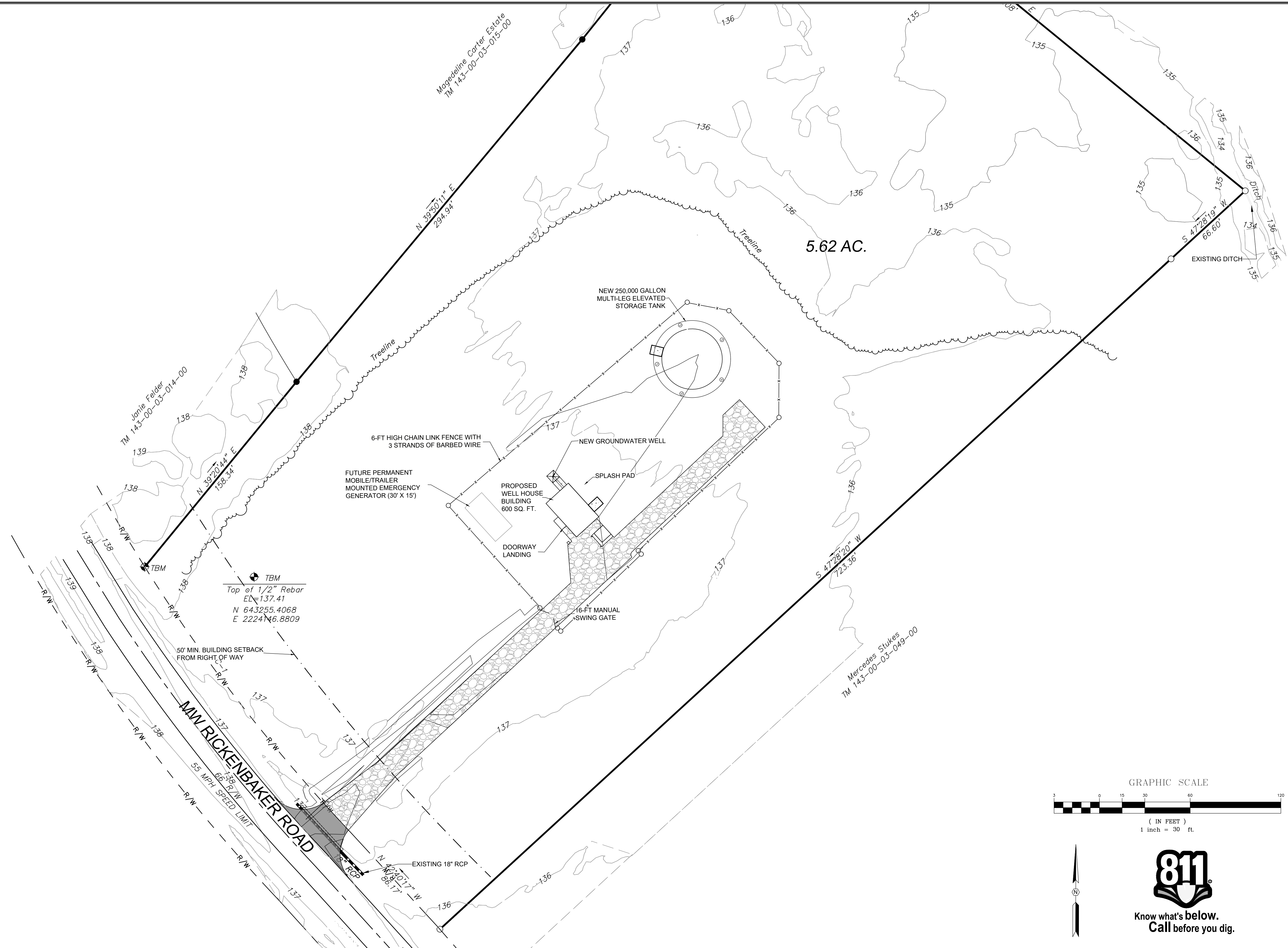
PROJECT
 NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V)
 CLARENDON COUNTY
 SOUTH CAROLINA

FILE NAME: 23192 PLAN SET.DWG
 REFERENCE FILE: ACE SURVEY.DWG
 PROJECT NO: 23192-0014

SHEET C-4.0 OF 15

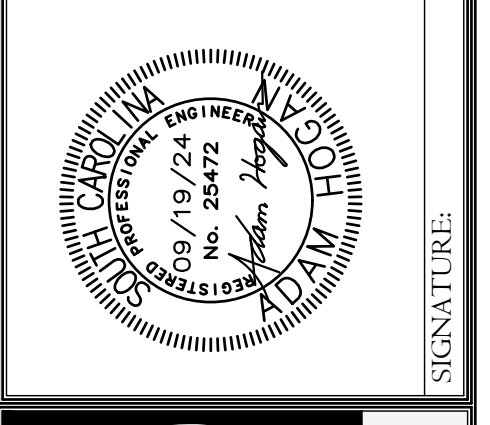
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 Alliance Consulting Engineers, Inc.
 124 Verdine Blvd., Mount Airy, NC 28549
 Phone: (864) 284-1740 • Fax: (864) 284-1741

PROJECT: NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V)
 CLARENDON COUNTY, SOUTH CAROLINA

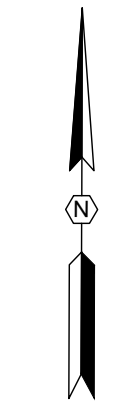
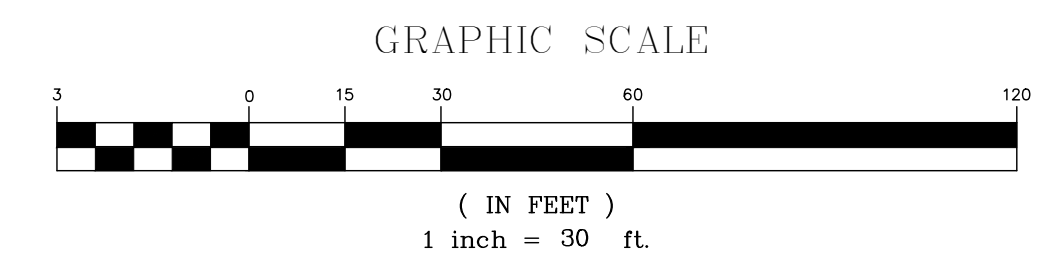
SHEET: GRADING AND STORM DRAINAGE PLAN

DATE: JANUARY 2024
 SCALE: AS SHOWN

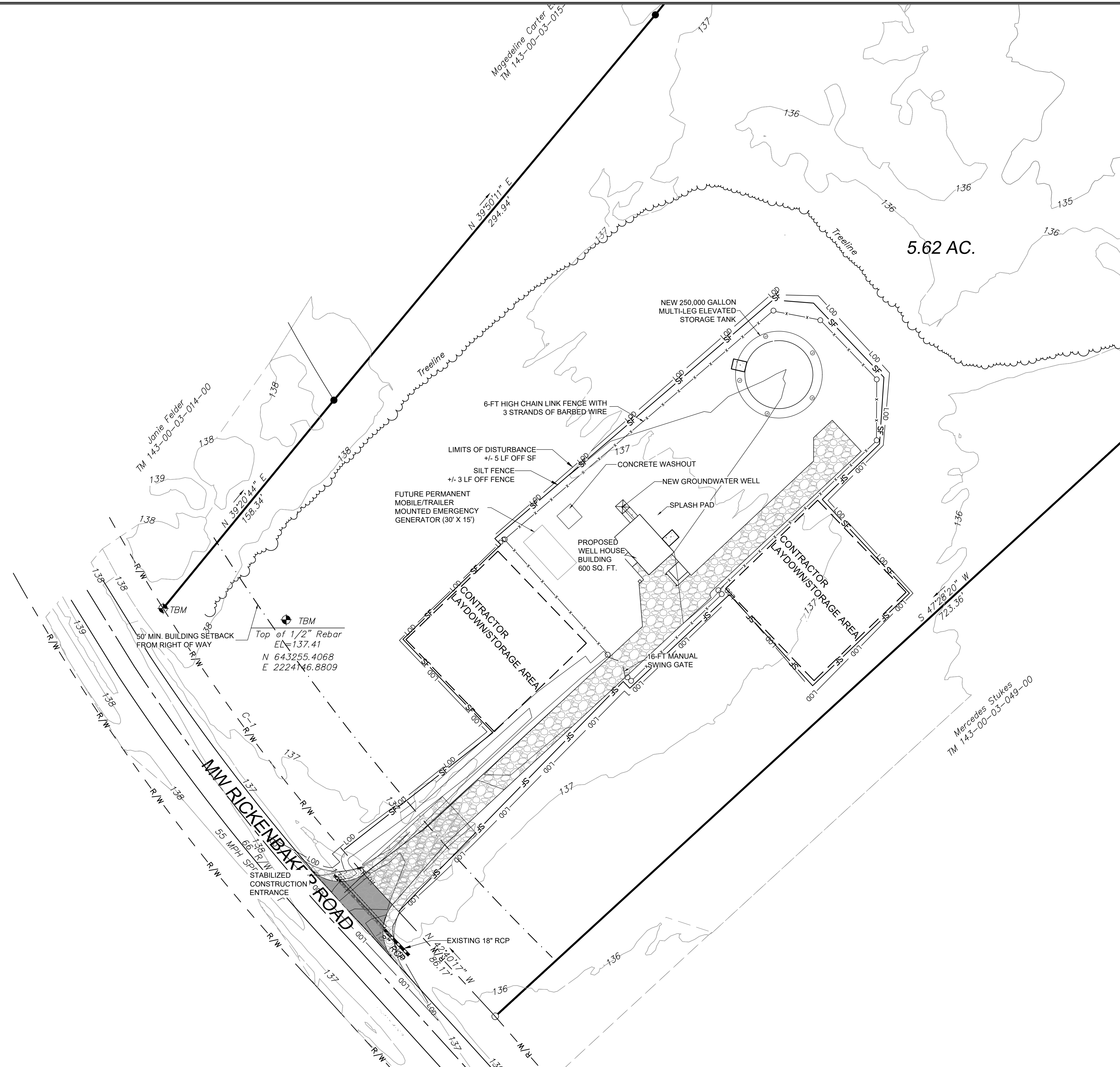
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SHEET: C-5.0
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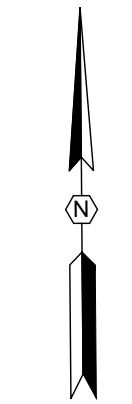
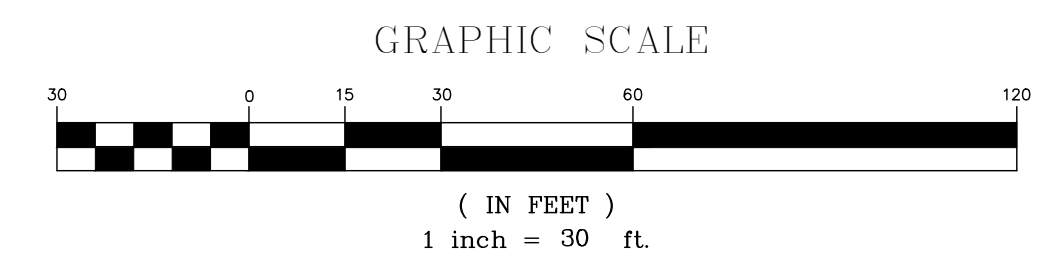


CONSTRUCTION SEQUENCING:

1. A PRE-CONSTRUCTION CONFERENCE MUST BE HELD WITH CLARENDON COUNTY AT LEAST 48 HOURS PRIOR TO BEGINNING ANY LAND DISTURBING ACTIVITIES. THE OWNER, DESIGN ENGINEER, AND CONTRACTOR MUST BE PRESENT AND HAVE THE N.O.I. APPROVAL LETTER FROM SCDES BEFORE CALLING CLARENDON COUNTY AT 803-433-3256 TO SCHEDULE THIS MEETING.
2. CONTRACTOR TO ENSURE THAT ALL MATERIALS (I.E. BMPs, OUTLET CONTROL STRUCTURE, OUTLET PIPE, ETC.) REQUIRED PER THESE PLANS ARE ON-SITE PRIOR TO COMMENCING ANY LAND DISTURBANCE ACTIVITIES.
4. AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK, WITH NO TIME PERIOD BETWEEN INSPECTIONS EXCEEDING 9 DAYS, AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE. IT IS RECOMMENDED THAT BMPs BE ASSESSED BY THE CONTRACTOR WITHIN 24 HOURS OF THE END OF A STORM EVENT OF 1.0 INCH OR GREATER, AS WELL AS DURING THE FIRST RAIN EVENT AFTER THE INITIATION OF CONSTRUCTION ACTIVITIES, AFTER THE INSTALLATION OF BMPs.
5. DELINEATE LIMITS TO DISTURBANCE. INSTALL CONSTRUCTION ENTRANCE AND BEGIN CLEARING OPERATIONS FOR INSTALLATION OF PERIMETER BMP'S (EROSION AND SEDIMENT CONTROL DEVICES.)
6. CONTRACTOR TO CONSTRUCT STORMWATER BASIN AND BMPs INDICATED ON THESE PLANS.
7. BEGIN CLEARING AND GRADING.
8. BEGIN CONSTRUCTION OF UTILITIES.
9. BEGIN SUB-GRADE PREPARATION AND CONSTRUCTION OF STORM DRAINAGE STRUCTURES. INSTALL INLET PROTECTION AT ALL INLETS PRIOR TO THEM RECEIVING RUN-OFF.
10. BEGIN INSTALLATION OF CURB, GUTTER, AND PAVING.
11. COMPLETE FINAL GRADING, PREPARE TOP SOIL, AND INSTALL SOD/LANDSCAPING OVER ALL AREAS INDICATED ON THE LANDSCAPE PLAN.
12. BMPs ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION. ALL TEMPORARY PERIMETER BMPs WILL NOT BE REMOVED UNTIL ALL CONSTRUCTION ACTIVITIES ARE COMPLETE AND THE DISTURBED AREAS HAVE BEEN STABILIZED TO A MINIMUM OF 70% COVERAGE.
13. OBTAIN APPROVAL FROM SCDES FOR NOTICE OF TERMINATION. UPON APPROVAL, REMOVE ALL REMAINING TEMPORARY BMPs AND STABILIZE AREAS DISTURBED BY THE REMOVAL OF THE BMPs.

EROSION CONTROL LEGEND:

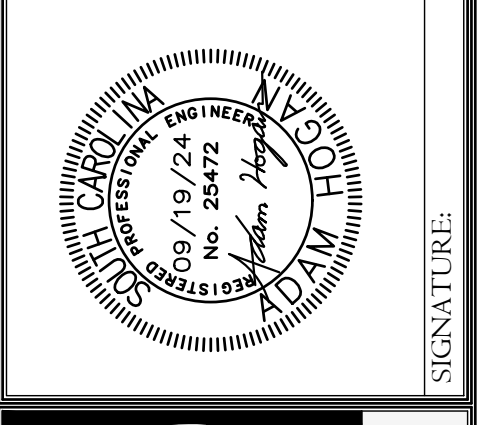
- (CE) CONSTRUCTION ENTRANCE (STD. SC-05)
- (IP) INLET PROTECTION (TYPE C STD. SC-09, TYPE F STD. SC-11)
- SF SILT FENCE (STD. SC-03)
- (PS) PERMANENT STABILIZATION (SOD)
- (TS) TEMPORARY STABILIZATION (MATTING AND SEEDING PER TEMPORARY GRASSING SCHEDULE)
- (DI) TEMPORARY DIVERSION
- (CD) ROCK CHECK DAM
- (ST) TEMPORARY SEDIMENT TRAP
- LOD LIMITS OF DISTURBANCE
- Geotextile symbol GEOTEXTILE EROSION CONTROL BLANKET



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REVISION	
DATE	DESCRIPTION

APPROVALS	ENGINEER	DISIGNER	TECHNICIAN	CHECKED BY	APPROVED
	ARH	MJC	MJC	ARH	ARH



ALLIANCE CONSULTING ENGINEERS
 Alliance Consulting Engineers, Inc.
 124 Verdine Blvd., Greenville, SC 29607
 Phone: (864) 284-1740 • Fax: (864) 284-1741

PROJECT: NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V)
 CLARENDON COUNTY SOUTH CAROLINA

SHEET: EROSION AND SEDIMENT CONTROL DETAILS

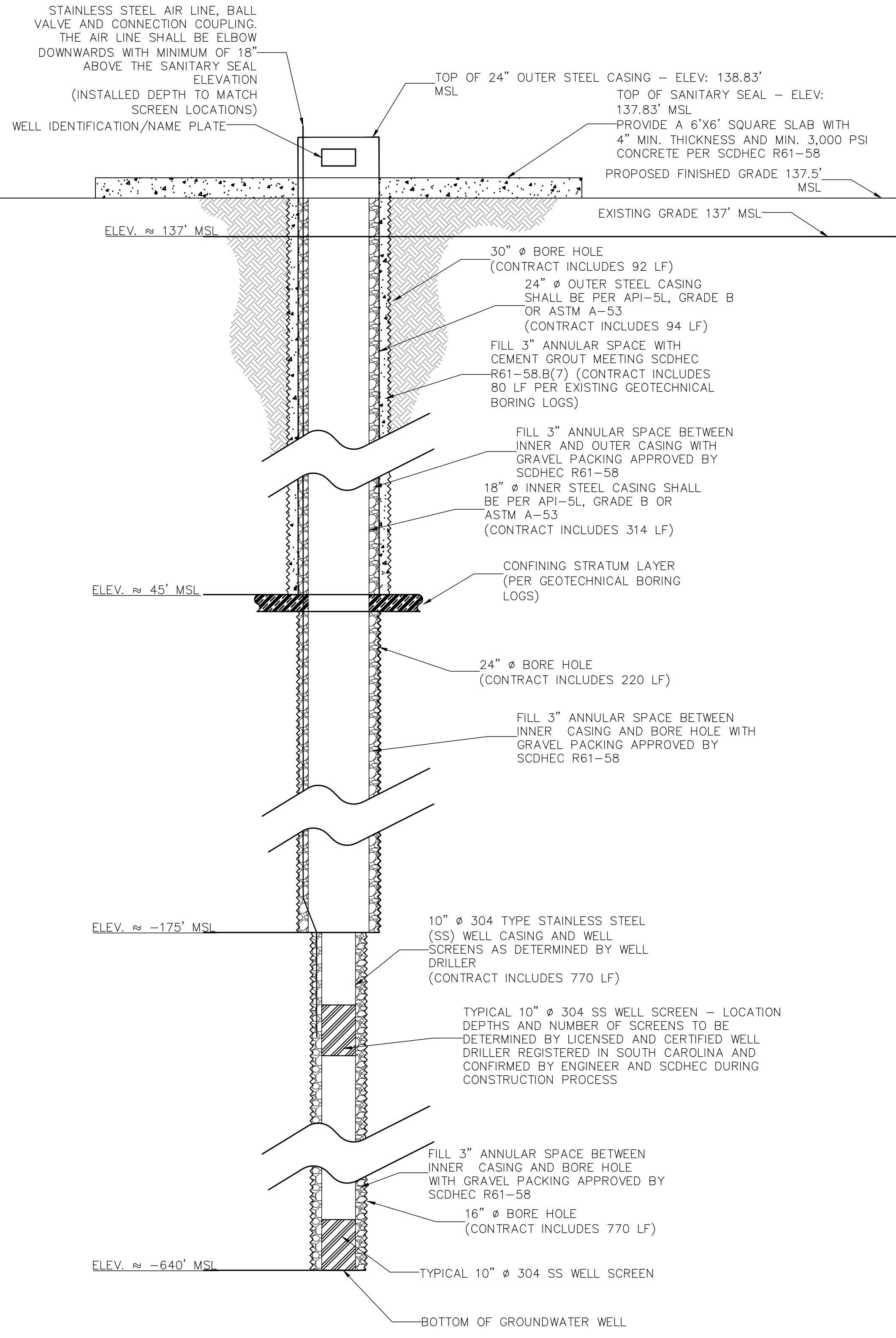
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 REFERENCE FILE: C-6.0
 PROJECT NO.: 23192-0014

SHEET OF 15

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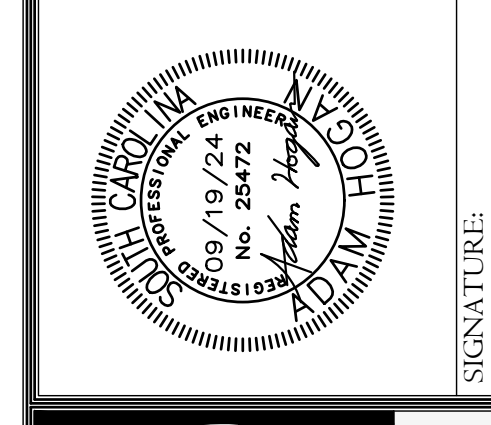


Test Well Detail

Not To Scale

REVISION		DATE	DESCRIPTION

APPROVALS	ENGINEER	DISCUSSOR	TECHNICIAN	CHECKED BY	APPROVED
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 Phone: (864) 284-1740 • Fax: (864) 284-1741

PROJECT: NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V) CLARENDON COUNTY SOUTH CAROLINA

SHEET: WELL DETAILS

DATE: JANUARY 2024

SCALE: AS SHOWN

FILE NAME: 23192 PLAN SET.DWG

REFERENCE FILE: ACE SURVEY.DWG

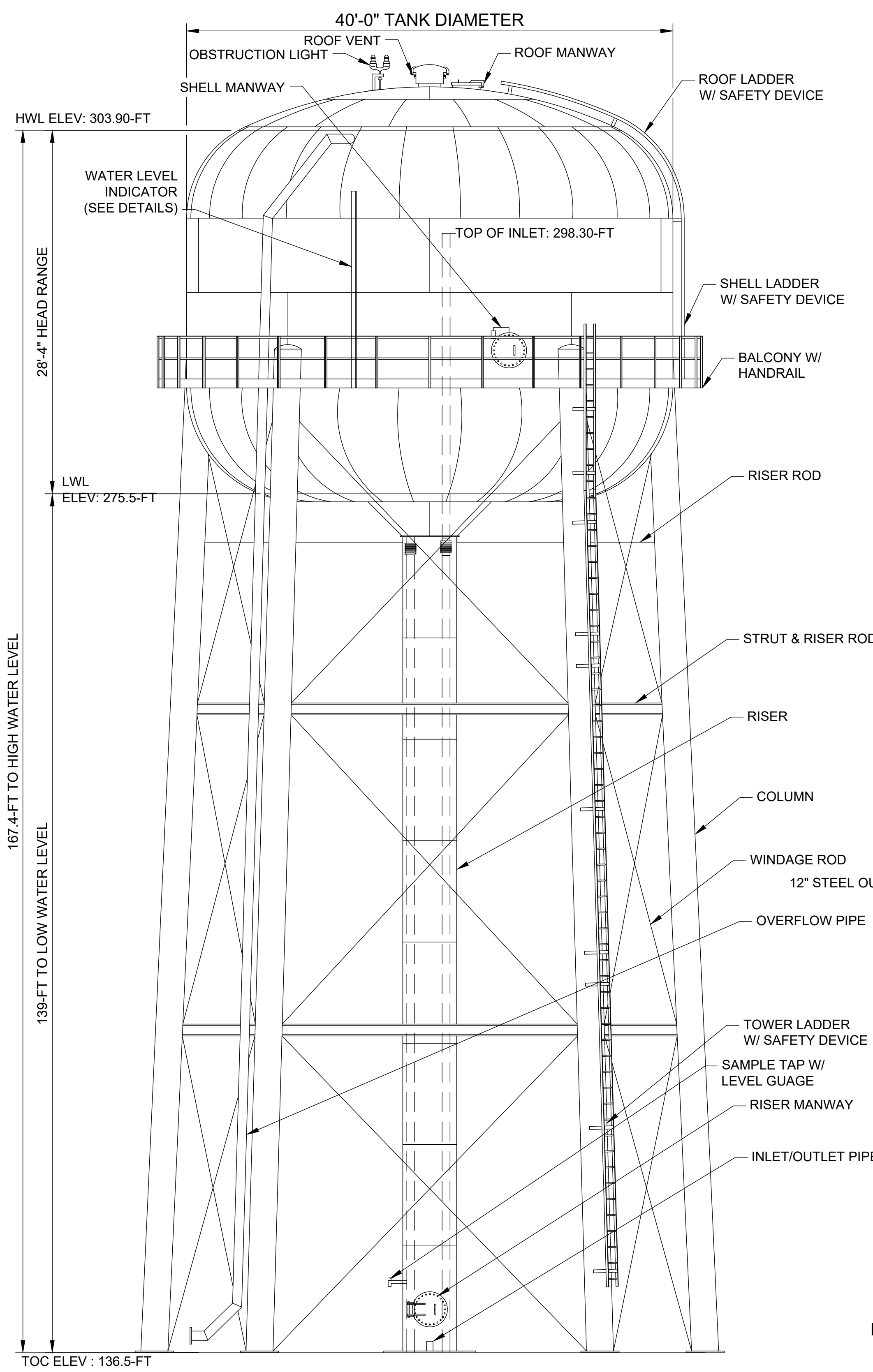
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SHEET: C-7.0

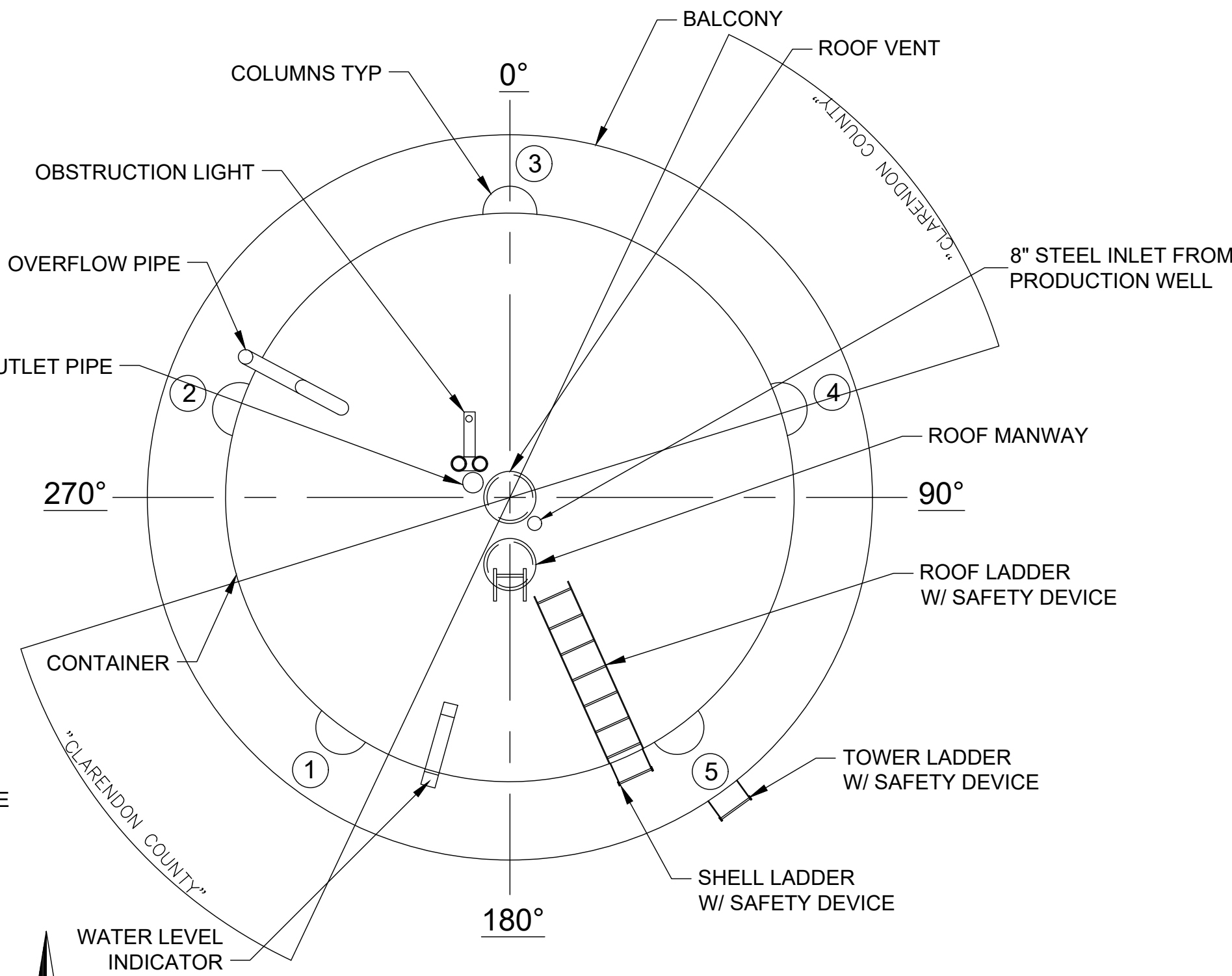
OF: 15

DWG NO. 01.1669-D29

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ELEVATION



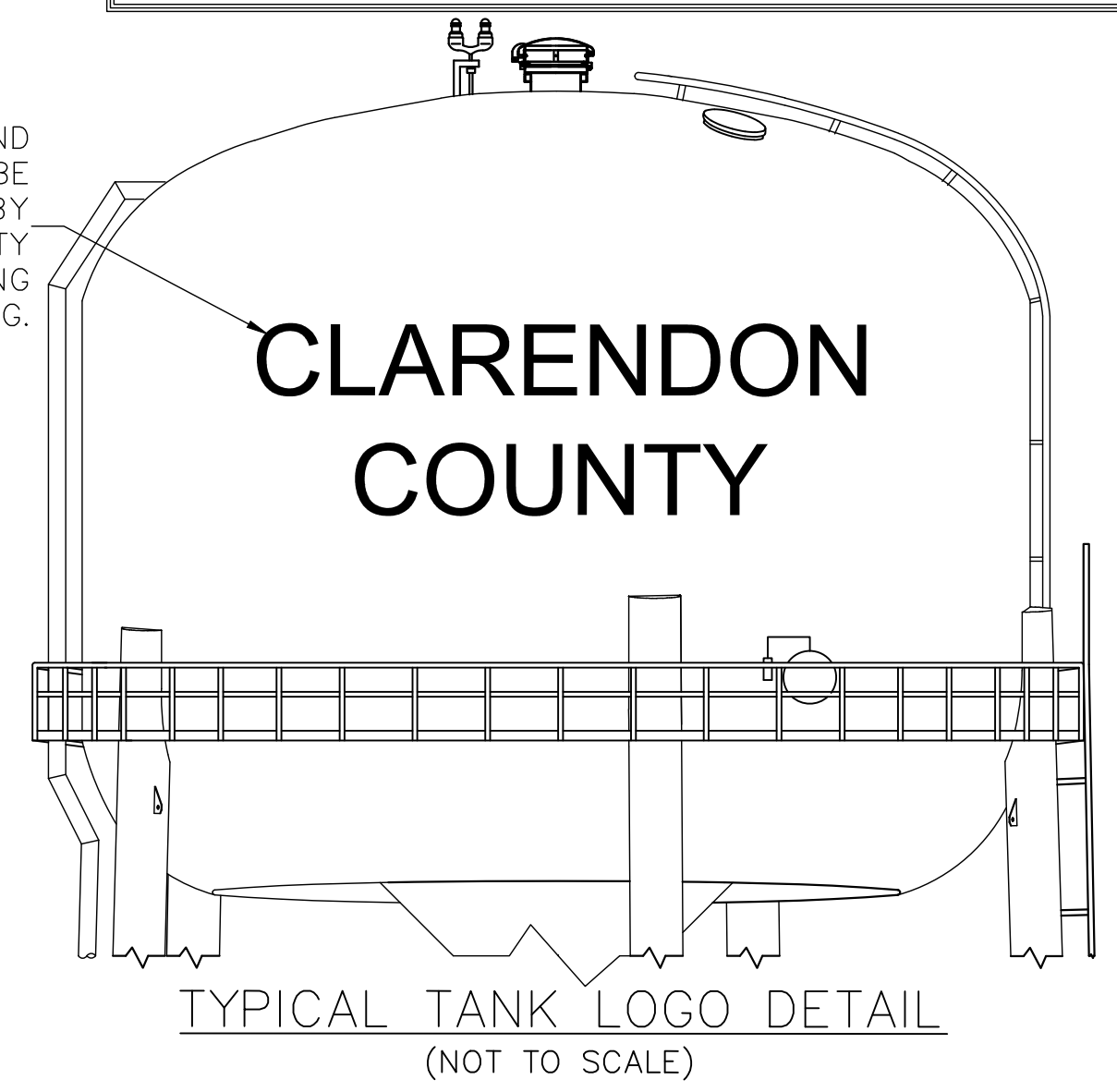
ORIENTATION

**250,000 GALLON MULTI-LEG ELEVATED STORAGE TANK
DETAIL**

1. DESIGN CRITERIA
 - 1.A. THE TANK AND SUPPORT STRUCTURE SHALL BE DESIGNED, FABRICATED, AND ERECTED IN ACCORDANCE WITH AWWA D100-11 AND THE PROJECT SPECIFICATIONS.
 - 1.B. LOADING CRITERIA:
 - 1.B.A. DESIGN WIND VELOCITY - PER ASTM/ASCE STANDARDS
 - 1.B.B. DESIGN SNOW LOAD - PER ASTM/ASCE STANDARDS
 - 1.B.C. MCE SPECTRAL RESPONSE ACCELERATION - 0.2 - SEC PERIOD (S₃) - PER GEOTECHNICAL REPORT
 - 1.B.D. MCE SPECTRAL RESPONSE ACCELERATION - 1.0 - SEC PERIOD (S₁) - PER GEOTECHNICAL REPORT
2. MATERIALS
 - 2.A. STEEL PLATE: ASTM A283 OR ASTM A36
 - 2.B. STRUCTURAL SHAPES: ASTM A36 OR ASTM A992
 - 2.C. LADDER RUNGS: ASTM A706
3. GENERAL
 - 3.A. ALL ACCESSORIES SHOWN ON THE ELEVATION DRAWING ARE ROTATED FOR CLARITY.
 - 3.B. THE NUMBER OF PERIMETER COLUMNS SHALL BE PER MANUFACTURER'S STANDARD DESIGN.
 - 3.C. ALL LADDERS, LADDER SAFETY DEVICES, PLATFORMS, HANDRAILS, ETC. SHALL CONFORM TO CURRENT OSHA REGULATIONS.
 - 3.D. TANK CONTRACTOR SHALL GROUT BENEATH COLUMN AND RISER BASE PLATES UPON COMPLETION OF ERECTION.
 - 3.E. SURFACE PREPARATION AND COATING REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS.
 - 3.F. THE TANK SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA C652-02.

NOTE:
CONTRACTOR SHALL PROVIDE EIGHT (8) SETS OF SIGNED AND SEALED CONSTRUCTION DRAWINGS, CALCULATIONS, AND SPECIFICATIONS TO THE ENGINEER FOR REVIEW AND APPROVAL FROM A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF SOUTH CAROLINA FOR THE TANK ELECTRICAL AND STRUCTURAL DESIGN.

LOGO GRAPHICS AND WORDING SHALL BE APPROVED BY CLARENDON COUNTY PRIOR TO ORDERING AND INSTALLING.

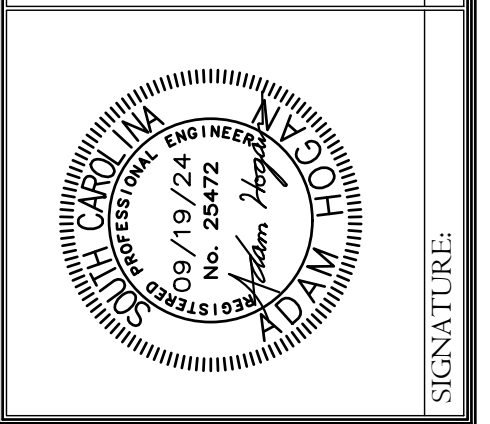


GENERAL TANK SPECIFICATIONS

- NOTE: FOR COMPLETE TANK SPECIFICATIONS SEE PROJECT TECHNICAL SPECIFICATIONS. IN THE EVENT OF CONTRADICTIONS OR CONFLICTS THE PROJECT TECHNICAL SPECIFICATIONS SHALL GOVERN.
1. TOP OF TANK: FROM WALKWAY TO TOP OF TANK SHALL BE WHITE IN COLOR.
 2. BOTTOM OF TANK AND LEGS: FROM WALKWAY TOWARDS THE GROUND/FOUNDATION SHALL BE BLUE IN COLOR.
 3. TANK LETTERING: LETTERING SHALL BE BLACK AND IN TIMES NEW ROMAN FONT TYPE.
 4. COLORS AND GRAPHICS SHALL BE CONFIRMED BY OWNER DURING SHOP DRAWING REVIEW PROCESS.
 5. ADEQUATE CONTROLS SHALL BE PROVIDED TO AUTOMATICALLY MAINTAIN LEVELS IN DISTRIBUTION SYSTEM STORAGE STRUCTURES IN CONJUNCTION WITH NEW GROUNDWATER WELL. [R.61-58.4.C.(1)(C)]
 6. MATERIALS AND DESIGNS USED FOR FINISHED WATER STORAGE STRUCTURES SHALL PROVIDE STABILITY AND PROTECTION OF THE STORED WATER. STEEL STRUCTURES SHALL BE DESIGNED IN ACCORDANCE WITH CURRENT AWWA STANDARD D-100 CONCERNING STEEL TANKS, STANDPIPES, RESERVOIRS, AND ELEVATED TANKS WHENEVER THEY ARE APPLICABLE. [R.61-58.4.C.(2)(A)]
 7. NO. TWENTY-FOUR (24) MESH NON-CORRODIBLE SCREENS, OR EQUIVALENT, SHALL BE USED ON ALL VENTS. [R.61-58.4.C.(2)(H)]
 8. VENTS SHALL BE CONSTRUCTED TO:
 - a. PREVENT THE ENTRANCE OF SURFACE WATER AND RAINWATER; [R.61-58.4.C.(2)(H)(L)]
 - b. EXCLUDE BIRDS AND ANIMALS; [R.61-58.4.C.(2)(H)(II)]
 - c. EXCLUDE INSECTS AND DUST, AS MUCH AS THIS FUNCTION CAN BE MADE COMPATIBLE WITH EFFECTIVE VENTING; AND [R.61-58.4.C.(2)(H)(III)]
 - d. PREVENT IMPLoding OF THE TANK DURING A RAPID DISCHARGE OF WATER FROM THE TANK. [R.61-58.4.C.(2)(H)(IV)]
 9. THE ROOF AND SIDEWALLS OF THE TANK MUST BE WATERTIGHT WITH NO OPENINGS EXCEPT PROPERLY CONSTRUCTED VENTS, MANHOLES, OVERFLOWS, RISERS, DRAINS OR CONTROL PORTS. [R.61-58.4.C.(2)(I)]
 10. ANY PIPES RUNNING THROUGH THE ROOF OR SIDEWALL OF THE TANK MUST BE WELDED, OR PROPERLY GASKETED. [R.61-58.4.C.(2)(I)(I)]
 11. CATWALKS OVER THE FINISHED WATER SHALL HAVE A SOLID FLOOR WITH RAISED EDGES SO DESIGNED THAT SHOE SCRAPINGS AND DIRT WILL NOT FALL INTO THE WATER. [R.61-58.4.C.(2)(M)]
 12. PROPER PROTECTION SHALL BE GIVEN TO METAL SURFACES BY PAINTS OR OTHER PROTECTIVE COATINGS, BY CATHODIC PROTECTIVE DEVICES, OR BY BOTH. [R.61-58.4.C.(2)(P)]
 13. ALL PAINT COATINGS WHICH COME INTO CONTACT WITH DRINKING WATER SHALL BE CERTIFIED AS MEETING THE SPECIFICATIONS OF THE ANSI/NSF STANDARD 61, DRINKING WATER SYSTEM COMPONENTS - HEALTH EFFECTS. THE CERTIFYING PARTY SHALL BE ACCREDITED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE. HOT APPLIED WAX, COLD APPLIED WAX, GREASE, AND COAL TAR COATINGS ARE NOT ACCEPTABLE. [R.61-58.4.C.(2)(P)]

REVISION	
DATE	DESCRIPTION

APPROVALS	ENGINEER	DISIGNER	TECHNICIAN	CHECKED BY	APPROVED
	ARH	MJC	MJC	ARH	ARH



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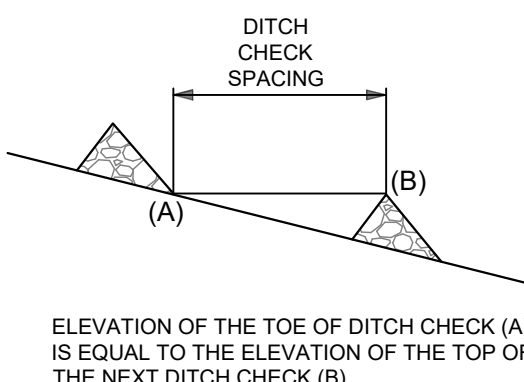
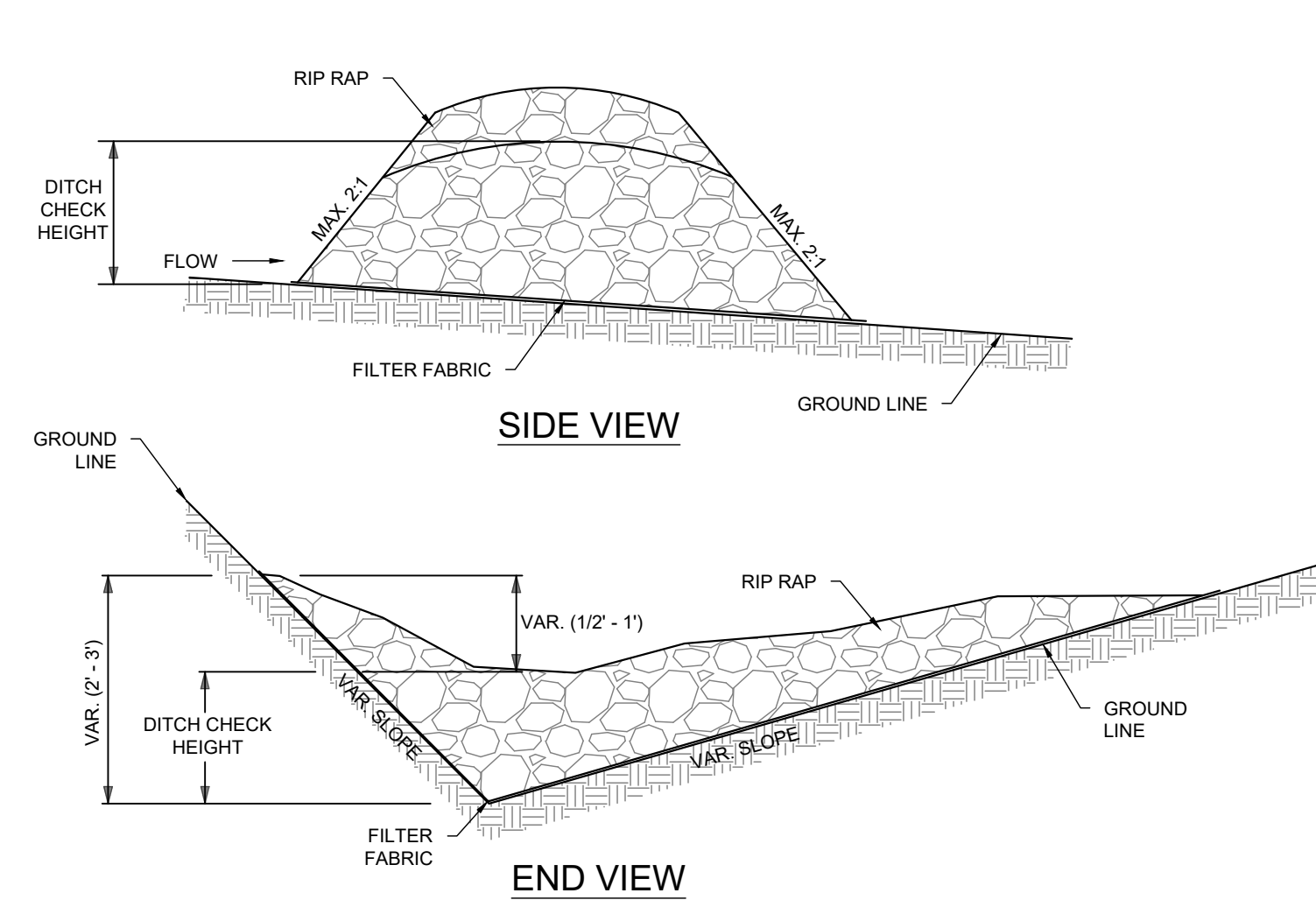
TANK DETAILS
 SCALE: AS SHOWN
 DATE: JANUARY 2024

PROJECT: NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V)
 CLARENDON COUNTY SOUTH CAROLINA

FILE NAME:	23192 PLAN SET.DWG	SHEET	C-8.0
REFERENCE FILE:	ACE SURVEY.DWG	OF	15
PROJECT NO.:	23192-0014		

DWG NO. 01.1669-D29

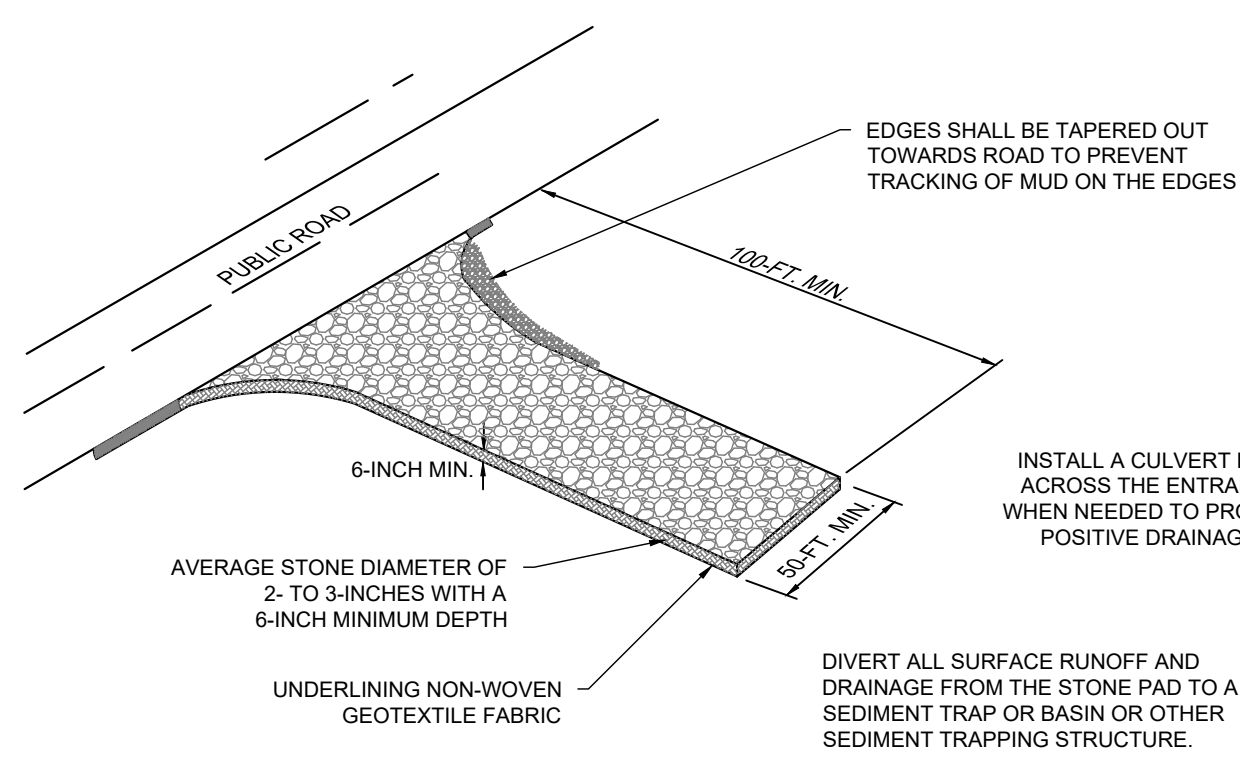
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- NOTES:**
- DITCH CHECK SHOULD NEVER BE USED IN LIVE STREAM.
 - DITCH CHECK IS NOT ADEQUATE FOR MORE THAN 2 ACRES OF DRAINAGE.
 - RIP RAP SHALL BE CLASS A
 - RIP RAP MAP BE HAND PLACED OR MECHANICALLY PLACED AND SHAPED.
 - REMOVAL AND DISPOSAL OF DITCH CHECK IS INCLUDED IN THE BID PRICE OF "DITCH CHECK".
 - SLOPES OF DITCH CHECK SHALL BE NO STEEPER THAN 2:1, BUT MAY BE FLATTENED DUE TO TRAFFIC SAFETY, AS DIRECTED BY THE ENGINEER.
 - HEIGHT OF DITCH CHECK SHALL BE NO MORE THAN 2.0 FEET.
 - REMOVE COLLECTED SEDIMENT IN FRONT OF DITCH CHECK AS DETERMINED BY THE ENGINEER AT NO ADDITIONAL EXPENSE.

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DRAWING NO. 815-3

CHECK DAMS DETAIL
N.T.S.



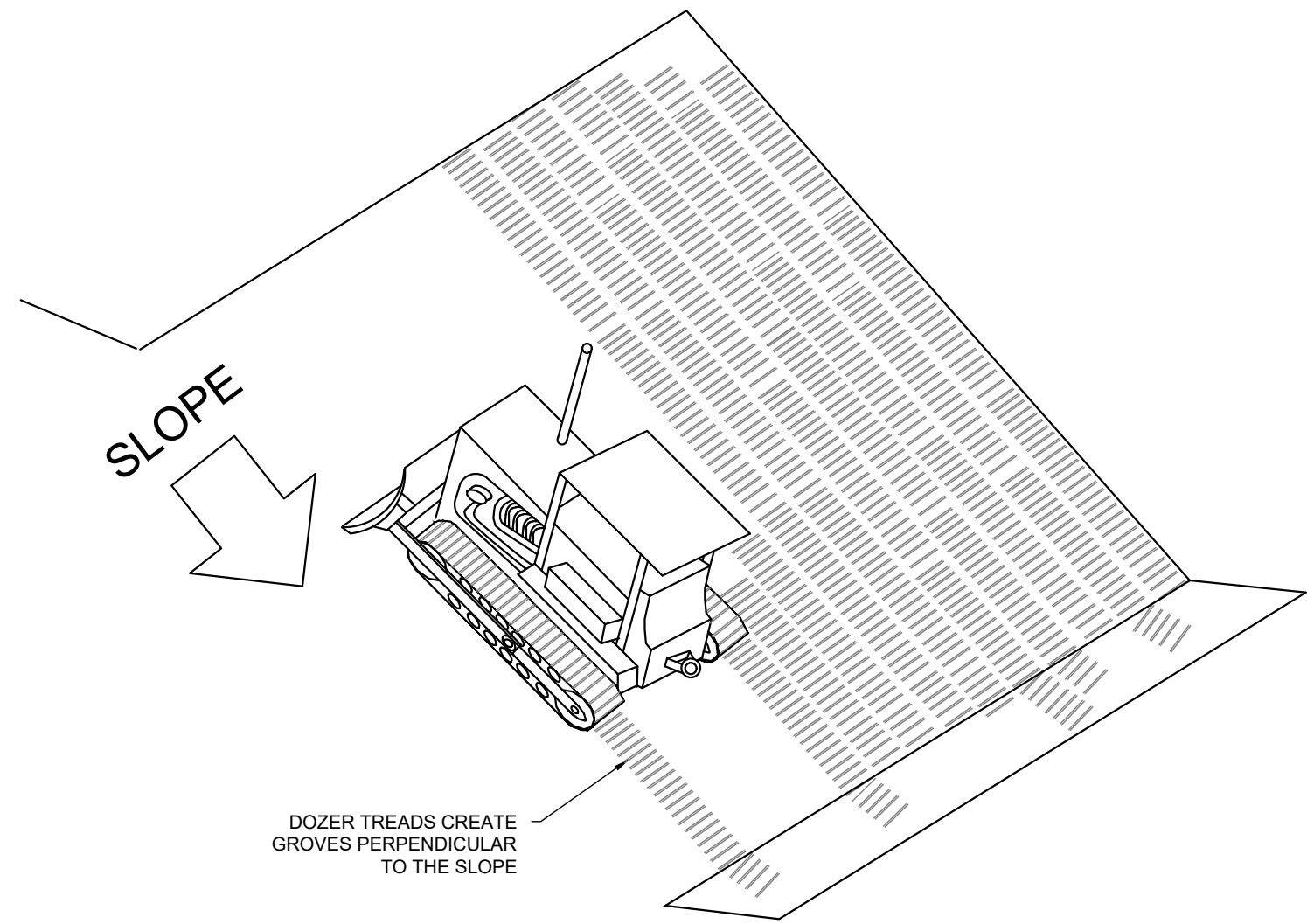
WHEN STABILIZED AND WHERE TO USE IT:
STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.

IMPORTANT CONSIDERATIONS:
IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFF-SITE. WASHDOWN FACILITIES SHALL BE REQUIRED AS DIRECTED BY SCDOT AS NEEDED. WASHDOWN AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR SEDIMENT BASIN.
CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY VEHICLES.

- INSTALLATION:**
- REMOVE ALL VEGETATION AND ANY OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA.
 - DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR BASIN.
 - INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE.
 - INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE.
 - THE ENTRANCE SHALL CONSIST OF 1-INCH TO 3-INCH D50 STONE PLACED AT A MINIMUM DEPTH OF 6-INCHES.
 - MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FOOT WIDE BY 100-FOOT LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.
 - THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING OF MUD AT THE EDGE OF THE ENTRANCE.

INSPECTION AND MAINTENANCE:
INSPECT CONSTRUCTION ENTRANCES EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/4-INCHES OR MORE OF PRECIPITATION, OR AFTER HEAVY USE. CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING PERIODS OF WET WEATHER. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET WEATHER CONDITIONS. RESHAPE THE STONE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY THE INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF STONE. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.

STABILIZED CONSTRUCTION ENTRANCE DETAIL
(SCDHEC DETAIL SC-06)
N.T.S.

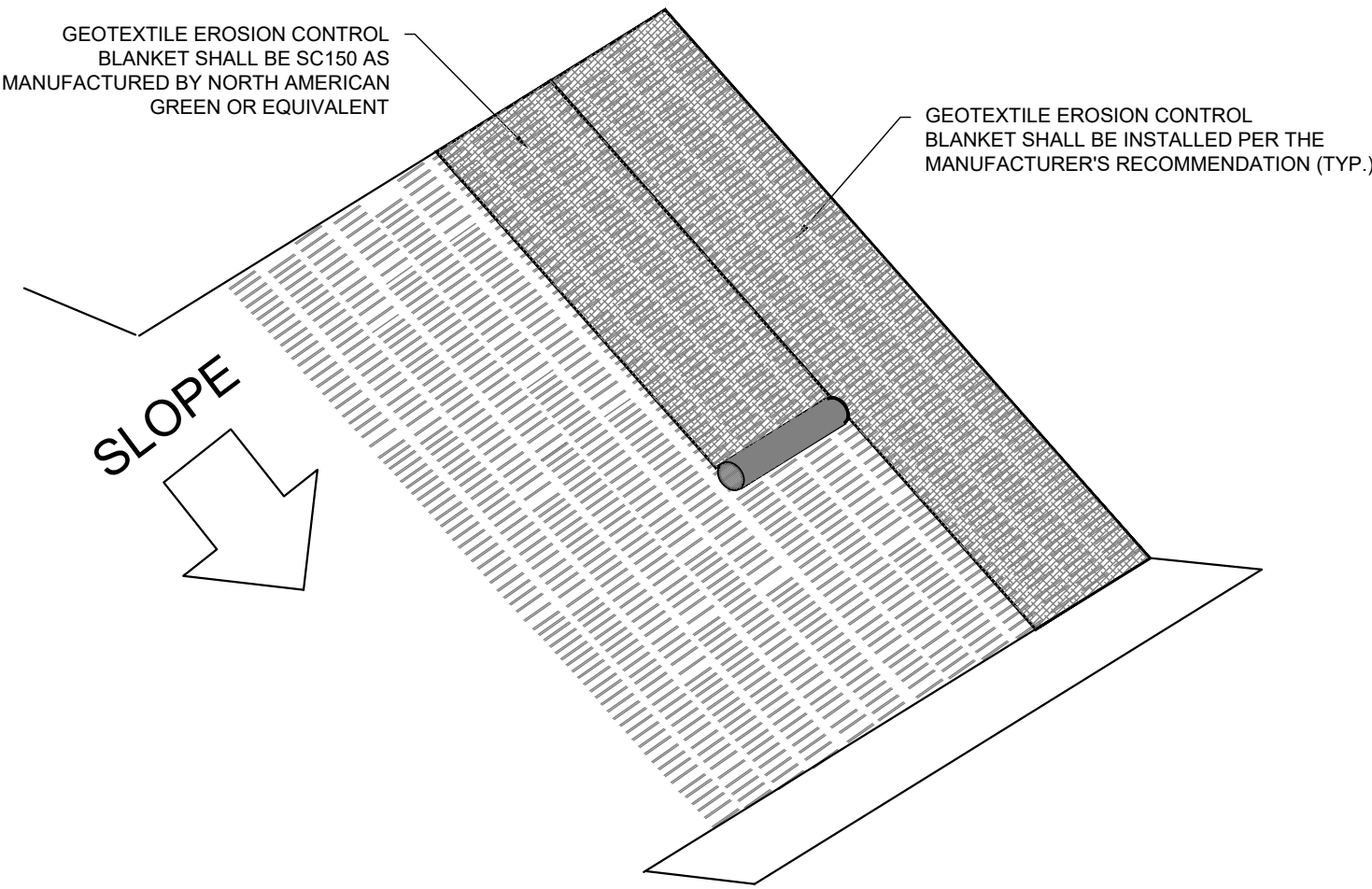


DEFINITION:
PROVIDING AND ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS CREATED BY OPERATION A TILLAGE OR OTHER SUITABLE IMPLEMENT ON THE CONTOUR, OR BY LEAVING SLOPES IN A ROUGHENED CONDITION BY NOT FINE-GRADING THEM.

PURPOSE:
THE PURPOSES OF SURFACE ROUGHENING ARE TO AID IN THE ESTABLISHMENT OF VEGETATIVE COVER WITH SEED, TO REDUCE RUN-OFF VELOCITY AND INCREASE INFILTRATION AND TO REDUCE EROSION AND PROVIDE FOR SEDIMENT TRAPPING.

CONDITIONS:
ALL SLOPES STEEPER THAN 3:1 REQUIRE SURFACE ROUGHENING, EITHER STAIR-STEP GRADING, GROOVING, FURROWING, OR TRACKING IF THEY ARE TO BE STABILIZED WITH VEGETATION. HOWEVER, IF THE SLOPE IS TO BE STABILIZED WITH EROSION CONTROL BLANKETS OR SOIL REINFORCING MATTING, THE SOIL SURFACE SHOULD NOT BE ROUGHENED. AREAS WITH GRADES LESS STEEP THAN 3:1 SHOULD HAVE THE SOIL SURFACE LIGHTLY ROUGHENED AND LOOSENED TO A DEPTH OF 2 TO 4 INCHES PRIOR TO SEEDING. AREAS WHICH HAVE BEEN GRADED AND WILL NOT BE STABILIZED IMMEDIATELY MAY BE ROUGHENED TO REDUCE RUNOFF VELOCITY UNTIL SEEDING TAKES PLACE. SLOPES WITH A STABLE ROCK FACE DO NOT REQUIRE ROUGHENING OR STABILIZATION.

SURFACE ROUGHENING DETAIL
N.T.S.



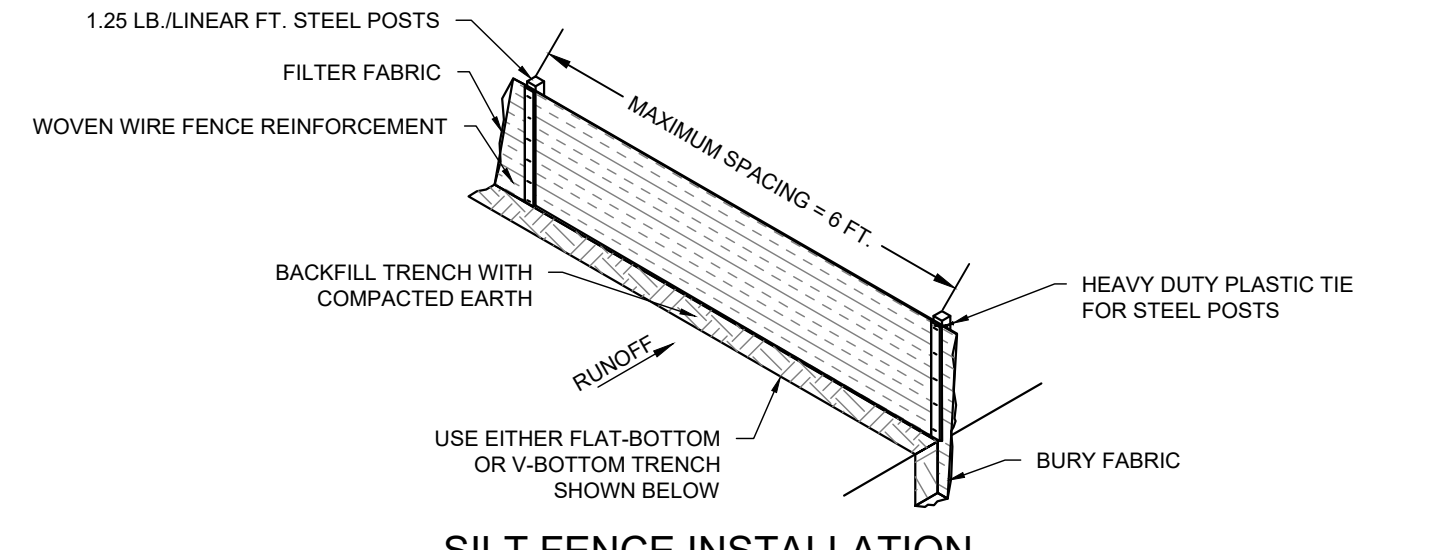
DEFINITION:
A PROTECTIVE COVERING (BLANKET) OR SOIL STABILIZATION MAT USED TO ESTABLISH VEGETATION ON STEEP SLOPES, CHANNELS, OR SHORELINES.

PURPOSE:
TO PROVIDE A MICROCLIMATE WHICH PROTECTS YOUNG VEGETATION AND PROMOTES ITS ESTABLISHMENT, TO REINFORCE THE TURF TO RESIST FORCES OF EROSION DURING STORM EVENTS.

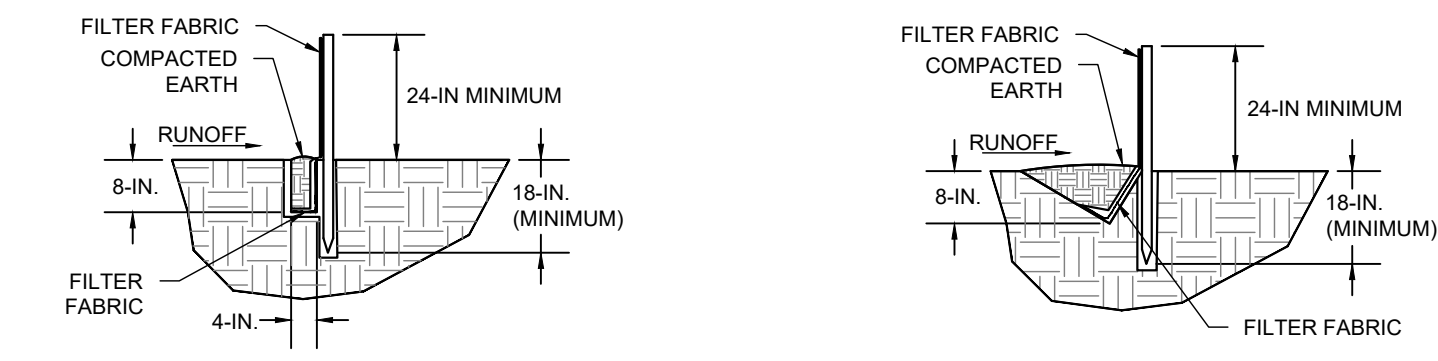
CONDITIONS:
MATTING AND BLANKETS CAN BE APPLIED ON STEEP SLOPES WHERE EROSION HAZARD IS HIGH AND PLANTING IS LIKELY TO BE SLOW IN PROVIDING ADEQUATE PROTECTIVE COVER. CONCENTRATED FLOW AREAS, ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKETS. ON STREAMBANKS OR TIDAL SHORELINES WHERE MOVING WATER IS PRESENT, MATTING CAN PREVENT NEW PLANTINGS FROM BEING WASHED AWAY.

MATERIALS:
GEOTEXTILE EROSION CONTROL BLANKET SHALL BE SC150 AS MANUFACTURED BY NORTH AMERICAN GREEN OR EQUIVALENT.

EROSION CONTROL MATTING DETAIL
N.T.S.



SILT FENCE INSTALLATION



FLAT-BOTTOM TRENCH DETAIL

V-SHAPED TRENCH DETAIL

- WHEN AND WHERE TO USE IT**
SILT FENCE IS APPLICABLE IN AREAS:
- WHERE THE MAXIMUM SHEET OR OVERLAND FLOW PATH LENGTH TO THE FENCE IS 100-FOOT
 - WHERE THE MAXIMUM SLOPE STEEPNESS (NORMAL [PERPENDICULAR] TO FENCE LINE) IS 2H:1V
 - THAT DO NOT RECEIVE CONCENTRATED FLOWS GREATER THAN 0.5 CFS

DO NOT PLACE SILT FENCE ACROSS CHANNELS OR USE IT AS A VELOCITY CONTROL BMP.

- MATERIALS**
- STEEL POSTS**
- USE 48-INCH LONG STEEL POSTS THAT MEET THE FOLLOWING MINIMUM PHYSICAL REQUIREMENTS:
 - COMPOSED OF HIGH STRENGTH STEEL WITH MINIMUM YIELD STRENGTH OF 50,000 PSI.
 - HAVE A STANDARD "T" SECTION WITH A NOMINAL FACE WIDTH OF 1.38-INCHES AND NOMINAL "T" LENGTH OF 1.48-INCHES.
 - WEIGHT 1.25 POUNDS PER FOOT (± 8%)
 - HAVE A SOIL STABILIZATION PLATE WITH A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES ATTACHED TO THE STEEL POSTS.
 - PAINTED WITH A WATER BASED BAKED ENAMEL PAINT.

USE STEEL POSTS WITH A MINIMUM LENGTH OF 4-FOOT, WEIGHING 1.25 POUNDS PER LINEAR FOOT (± 8%) WITH PROJECTIONS TO AID IN FASTENING THE FABRIC. EXCEPT WHEN HEAVY CLAY SOILS ARE PRESENT ON SITE, STEEL POSTS WILL HAVE A METAL SOIL STABILIZATION PLATE WELDED NEAR THE BOTTOM SUCH THAT WHEN THE POST IS DRIVEN TO THE PROPER DEPTH, THE PLATE WILL BE BELOW GROUND LEVEL FOR ADDED STABILITY. THE SOIL PLATES SHOULD HAVE THE FOLLOWING CHARACTERISTICS:

- BE COMPOSED OF MINIMUM 15 GAUGE STEEL.
- HAVE A MINIMUM CROSS SECTION AREA OF 17-SQUARE INCHES.

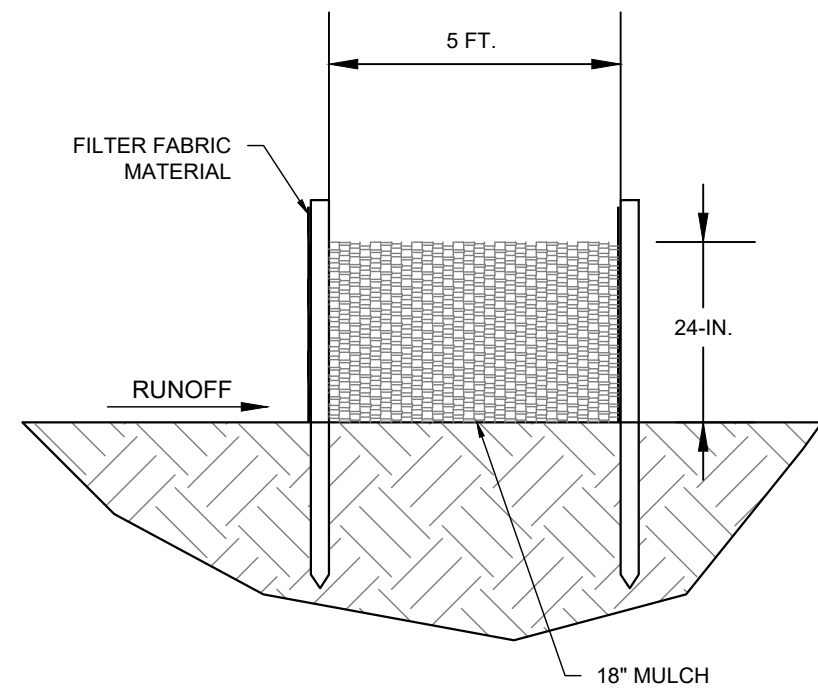
- GEOTEXTILE FILTER FABRIC**
- FILTER FABRIC IS:
- COMPOSED OF FIBERS CONSISTING OF LONG CHAIN SYNTHETIC POLYMERS COMPOSED OF AT LEAST 85% BY WEIGHT OF POLYOLEFINS, POLYESTERS, OR POLYAMIDES.
 - FORMED INTO A NETWORK SUCH THAT THE FILAMENTS OR YARNS RETAIN DIMENSIONAL STABILITY RELATIVE TO EACH OTHER.
 - FREE OF ANY TREATMENT OR COATING WHICH MIGHT ADVERSELY ALTER ITS PHYSICAL PROPERTIES AFTER INSTALLATION.
 - FREE OF DEFECTS OR FLAWS THAT SIGNIFICANTLY AFFECT ITS PHYSICAL AND/OR FILTERING PROPERTIES.
 - CUT TO A MINIMUM WIDTH OF 36 INCHES.

USE ONLY FABRIC APPEARING ON SCDOT APPROVAL SHEET #34 MEETING THE REQUIREMENTS OF THE MOST CURRENT EDITION OF THE SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

INSTALLATION
EXCAVATE A TRENCH APPROXIMATELY 6-INCHES WIDE AND 6-INCHES DEEP WHEN PLACING FABRIC BY HAND. PLACE 12-INCHES OF GEOTEXTILE FABRIC INTO THE 6-INCH DEEP TRENCH, EXTENDING THE REMAINING 6-INCHES TOWARDS THE UPSLOPE SIDE OF THE TRENCH. BACKFILL THE TRENCH WITH SOIL OR GRAVEL AND COMPACT. BURY 12-INCHES OF FABRIC INTO THE GROUND WHEN PNEUMATICALLY INSTALLING SILT FENCE WITH A SLICING METHOD. PURCHASE FABRIC IN CONTINUOUS ROLLS AND CUT TO THE LENGTH OF THE BARRIER TO AVOID JOINTS. WHEN JOINTS ARE NECESSARY, WRAP THE FABRIC TOGETHER AT A SUPPORT POST WITH BOTH ENDS FASTENED TO THE POST, WITH A 6-INCH MINIMUM OVERLAP. INSTALL POSTS TO A MINIMUM DEPTH OF 24-INCHES. INSTALL POSTS A MINIMUM OF 1- TO 2-INCHES ABOVE THE FABRIC, WITH NO MORE THAN 3- FEET OF THE POST ABOVE THE GROUND. SPACE POSTS TO MAXIMUM 6- FEET CENTERS. ATTACH FABRIC TO WOOD POSTS USING STAPLES MADE OF HEAVY-DUTY WIRE AT LEAST 1 1/4-INCH LONG, SPACED A MAXIMUM OF 6-INCHES APART. STAPLE A 2-INCH WIDE LATHE OVER THE FILTER FABRIC TO SECURELY FASTEN IT TO THE UPSLOPE SIDE OF WOODEN POSTS. ATTACH FABRIC TO THE STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED AND PLACED IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, TIES SHOULD BE AFFIXED IN NO LESS THAN 4 PLACES. INSTALL THE FABRIC A MINIMUM OF 24-INCHES ABOVE THE GROUND. WHEN NECESSARY, THE HEIGHT OF THE FENCE ABOVE GROUND MAY BE GREATER THAN 24-INCHES. IN TIDAL AREAS, EXTRA SILT FENCE HEIGHT MAY BE REQUIRED. THE POST HEIGHT WILL BE TWICE THE EXPOSED POST HEIGHT. POST SPACINGS WILL REMAIN THE SAME AND EXTRA HEIGHT FABRIC WILL BE 4-, 5-, OR 6- FEET TALL. LOCATE SILT FENCE CHECKS EVERY 100 FEET MAXIMUM AND AT LOW POINTS. INSTALL THE FENCE PERPENDICULAR TO THE DIRECTION OF FLOW AND PLACE THE FENCE AT THE PROPER DISTANCE FROM THE TOE OF STEEP SLOPES TO PROVIDE SEDIMENT STORAGE AND ACCESS FOR MAINTENANCE AND CLEANOUT.

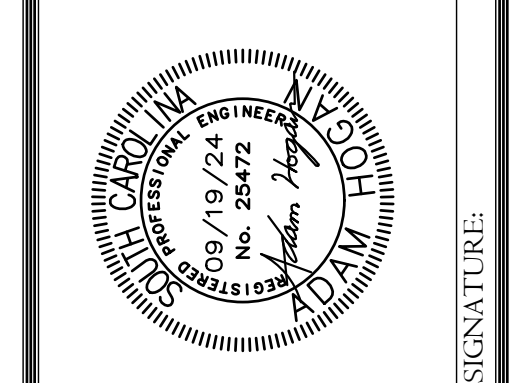
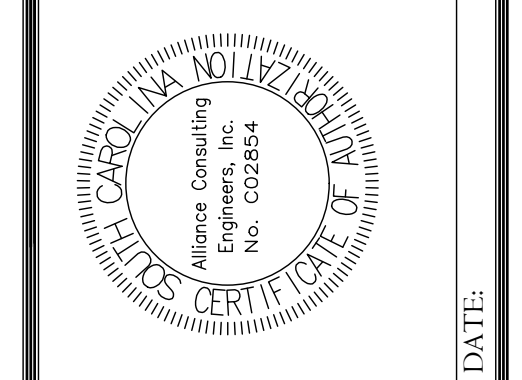
INSPECTION AND MAINTENANCE
INSPECT EVERY SEVEN CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/4-INCHES OR MORE OF PRECIPITATION. CHECK FOR SEDIMENT BUILDUP AND FENCE INTEGRITY. CHECK WHERE RUNOFF HAS ERODED A CHANNEL BENEATH THE FENCE, OR WHERE THE FENCE HAS SAGGED OR COLLAPSED BY FENCE OVERTOPPING. IF THE FENCE FABRIC TEARS, BEGINS TO DECOMPOSE, OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE SECTION OF FENCE IMMEDIATELY. REMOVE SEDIMENT ACCUMULATED ALONG THE FENCE WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE, ESPECIALLY IF HEAVY RAINS ARE EXPECTED. REMOVE TRAPPED SEDIMENT FROM THE SITE OR STABILIZE IT ON SITE. REMOVE SILT FENCE WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED OR AFTER TEMPORARY BEST MANAGEMENT PRACTICES (BMPs) ARE NO LONGER NEEDED. PERMANENTLY STABILIZE DISTURBED AREAS RESULTING FROM FENCE REMOVAL.

SILT FENCE DETAIL
(SCDHEC DETAIL SC-03)
N.T.S.



DOUBLE ROW SILT FENCE DETAIL
N.T.S.

REVISION		DATE	DESCRIPTION



ALLIANCE CONSULTING ENGINEERS
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124 Verdie Blvd., Bossumville, SC 29607
Phone: (864) 284-1740 • Fax: (864) 284-1741

PROJECT: NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V) CLARENDON COUNTY SOUTH CAROLINA

SCALE: AS SHOWN

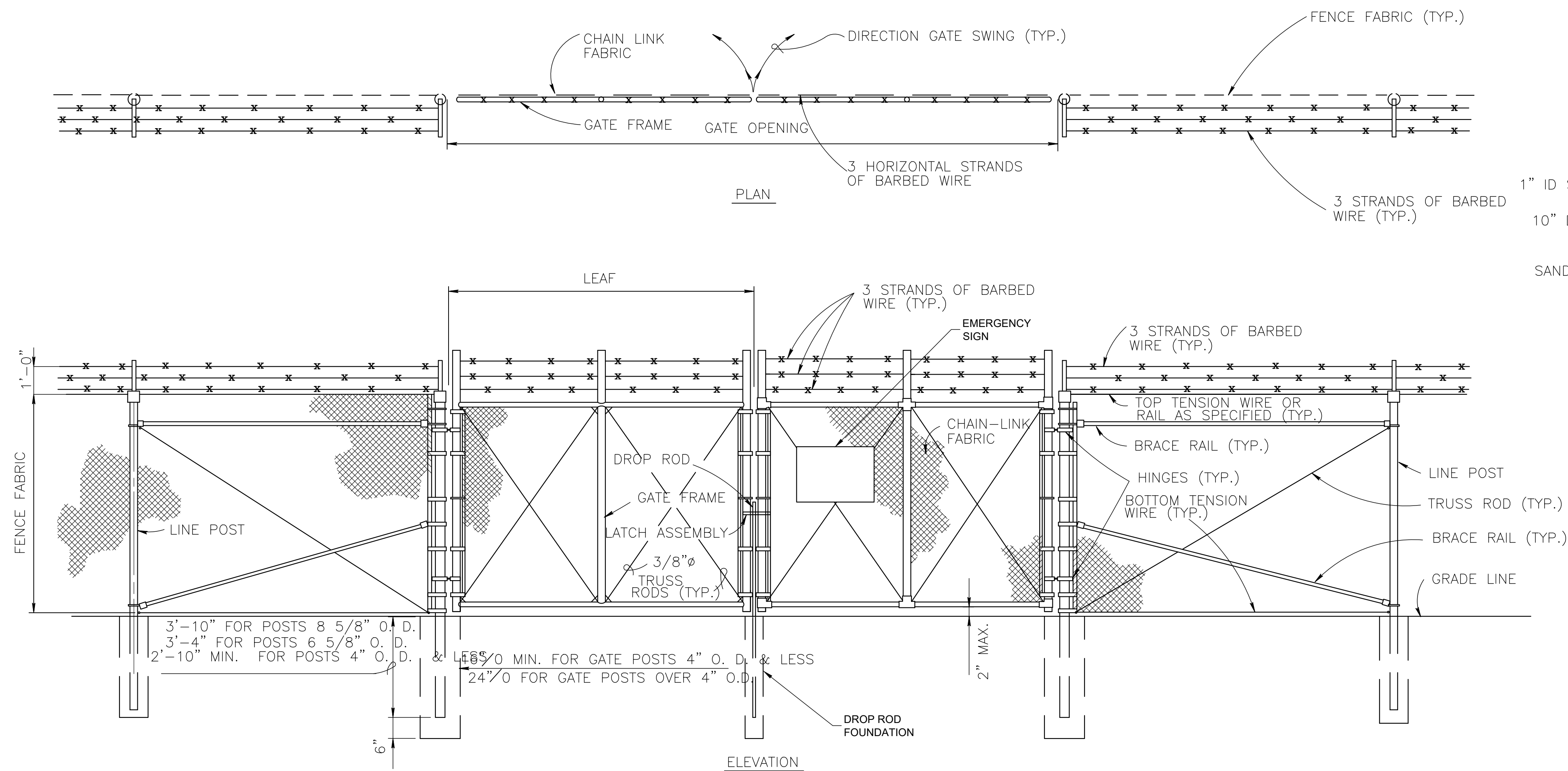
DATE: JANUARY 2024

FILE NAME: 23192 PLAN SET.DWG
REFERENCE FILE: ACE SURVEY.DWG
PROJECT NO.: 23192-0014

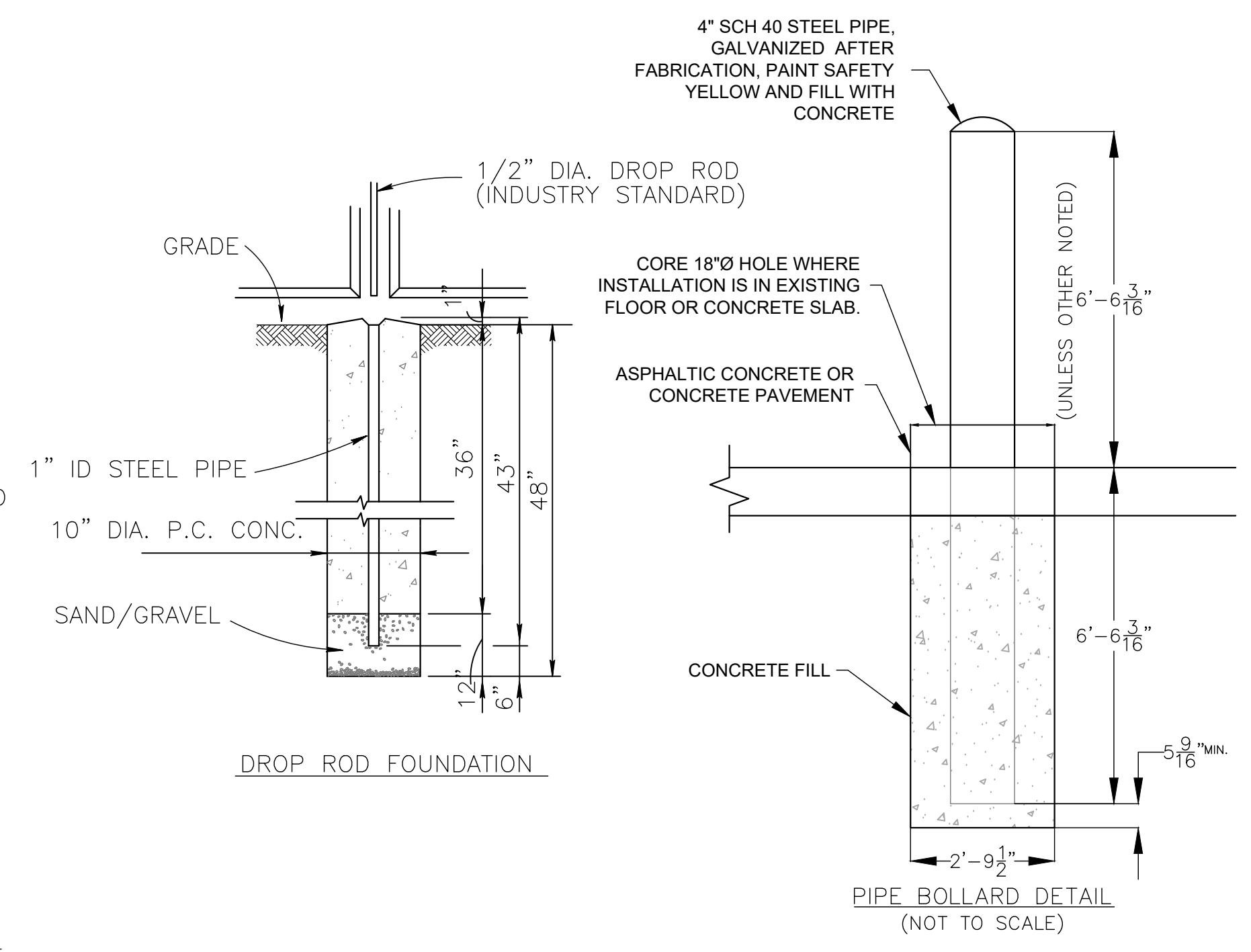
SHEET C-9.1 OF 15

DWG NO. 01.1669-D29

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DOUBLE SWING GATE
(NOT TO SCALE)

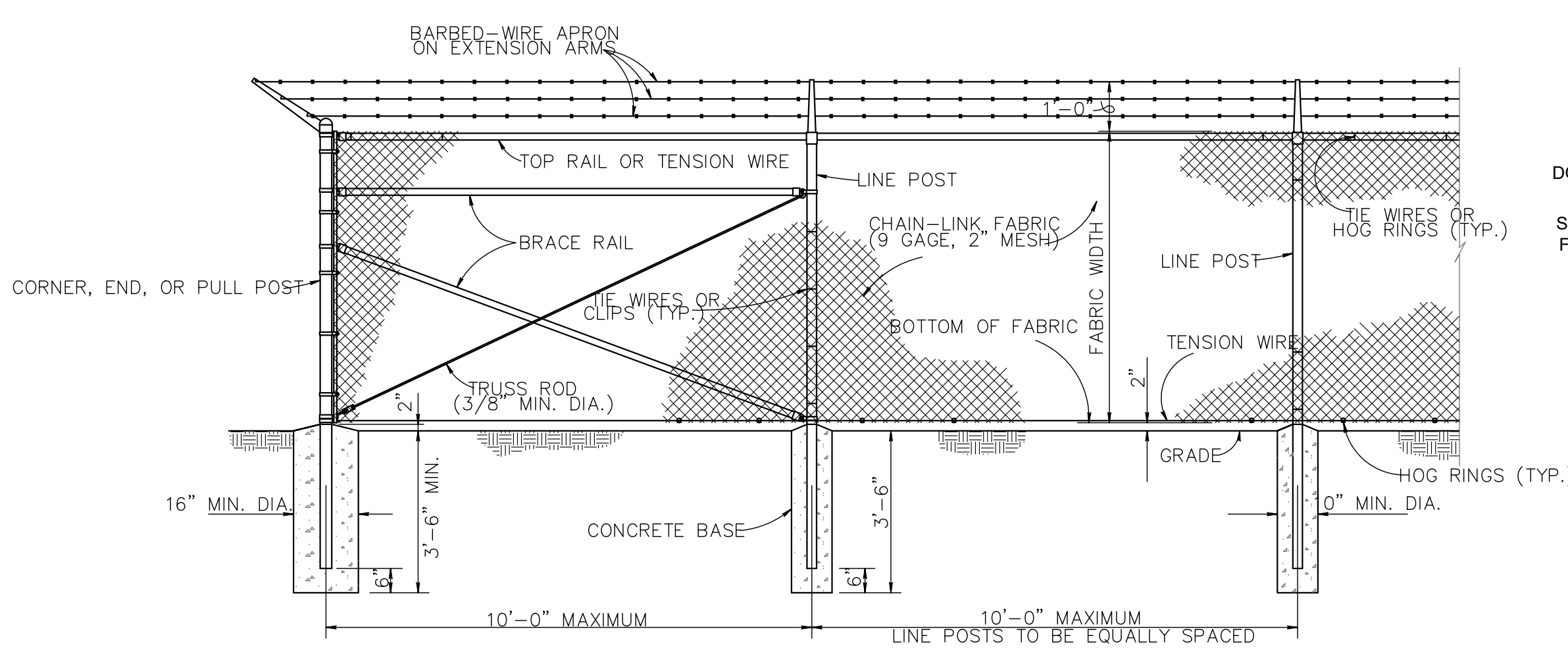


GATE POST					
GATE LEAF WIDTH	GATE POST (OD)	FABRIC HEIGHT	"A" DIAM	"B" DEPTH	"C" POST EMBED.
3' TO 6'	2.875	3' TO 5'	1 1/4"	2 1/2"	36"
		5' TO 6'	1 1/2"	3"	40"
		6' TO 7'	1 3/4"	3 1/2"	44"
		7' TO 12'	1 7/8"	4"	48"
		12' TO 13'	2"	4 1/2"	52"
		13' TO 18'	2 1/4"	5"	56"

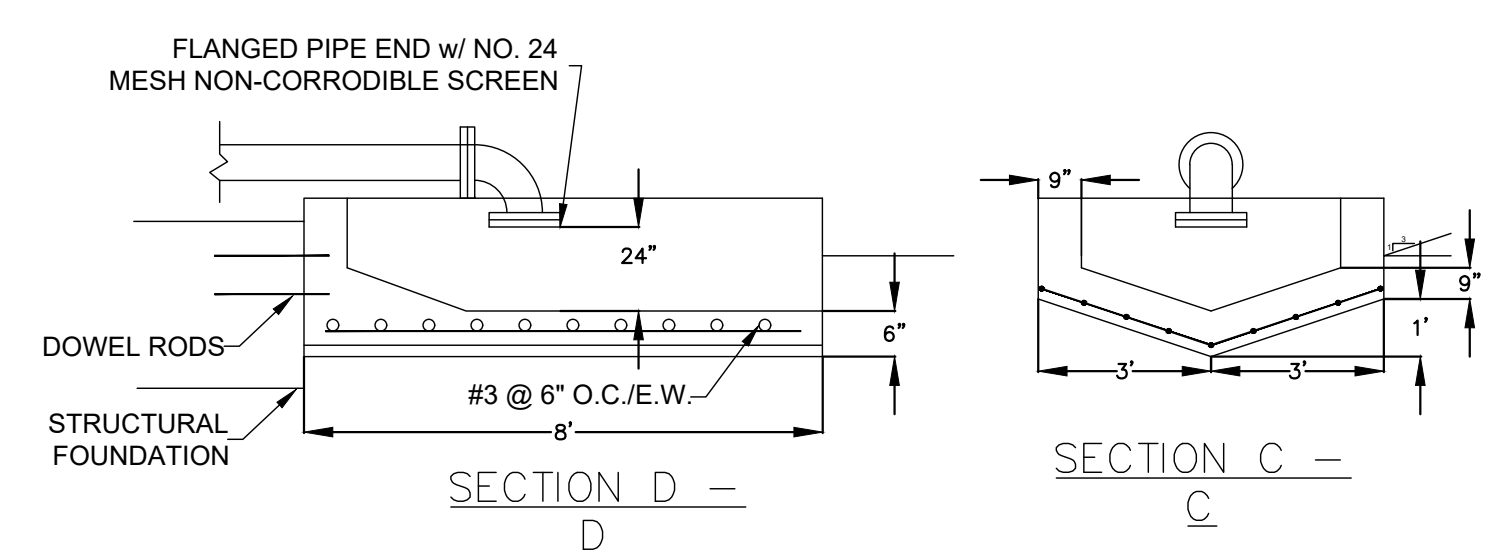
LINE AND TERMINAL POSTS					
FABRIC HEIGHT	TYPE POST	"A" DIAM	"B" DEPTH	"C" POST EMBEDMENT	CONCRETE FOOTING
3'-0" TO 4'-0"	LINE	6"	28"	24"	18" x 18" x 12"
	TERMINAL	10"	32"	30"	24" x 24" x 12"
5'-0"	LINE	8"	32"	30"	24" x 24" x 12"
	TERMINAL	10"	32"	30"	24" x 24" x 12"
6'-0" TO 9'-0"	LINE	1 1/2"	38"	36"	30" x 30" x 12"
	TERMINAL	1 3/4"	38"	36"	30" x 30" x 12"
10'-0" TO 12'-0"	LINE	1 7/8"	38"	36"	36" x 36" x 12"
	TERMINAL	2"	38"	36"	36" x 36" x 12"
13'-0" TO 18'-0"	LINE	2 1/4"	42"	40"	42" x 42" x 12"
	TERMINAL	2 1/2"	42"	40"	42" x 42" x 12"

CHAIN LINK FENCE FOUNDATION

NOTE: TERMINAL POSTS INCLUDE END, CORNER, AND PULL POSTS



CHAIN-LINK SECURITY FENCE DETAIL
(NOT TO SCALE)



PLAN - SPLASH PAD
(NOT TO SCALE)

- NOTES:**
- CAST-IN-PLACE OR PRECAST SPLASH PAD ARE ACCEPTABLE WITH MIN. 4,000 PSI CONCRETE.
 - CONCRETE SPLASH PADS SHALL BE CASTED OR TIED INTO THE WELL HOUSE SLAB/FOOTINGS AND THE CONCRETE PILE CAP FOR THE ELEVATED STORAGE TANK FOUNDATION

REVISION	
DATE	DESCRIPTION

APPROVALS

ENGINEER	ARCH	DISCUSSOR	MJC	TECHNICIAN	MJC	CHECKED BY	ARCH	APPROVED	ARCH
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ALLIANCE CONSULTING ENGINEERS, INC. PROFESSIONAL ENGINEERING CERTIFICATE OF QUALITY

DATE: _____ SIGNATURE: _____

ALLIANCE CONSULTING ENGINEERS

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124 Verdine Blvd., Suite 505 - Columbia, SC 29607
Phone: (864) 284-1740 • Fax: (864) 284-1741

GENERAL DETAILS
(1 OF 4)

SCALE: AS SHOWN

DATE: JANUARY 2024

PROJECT

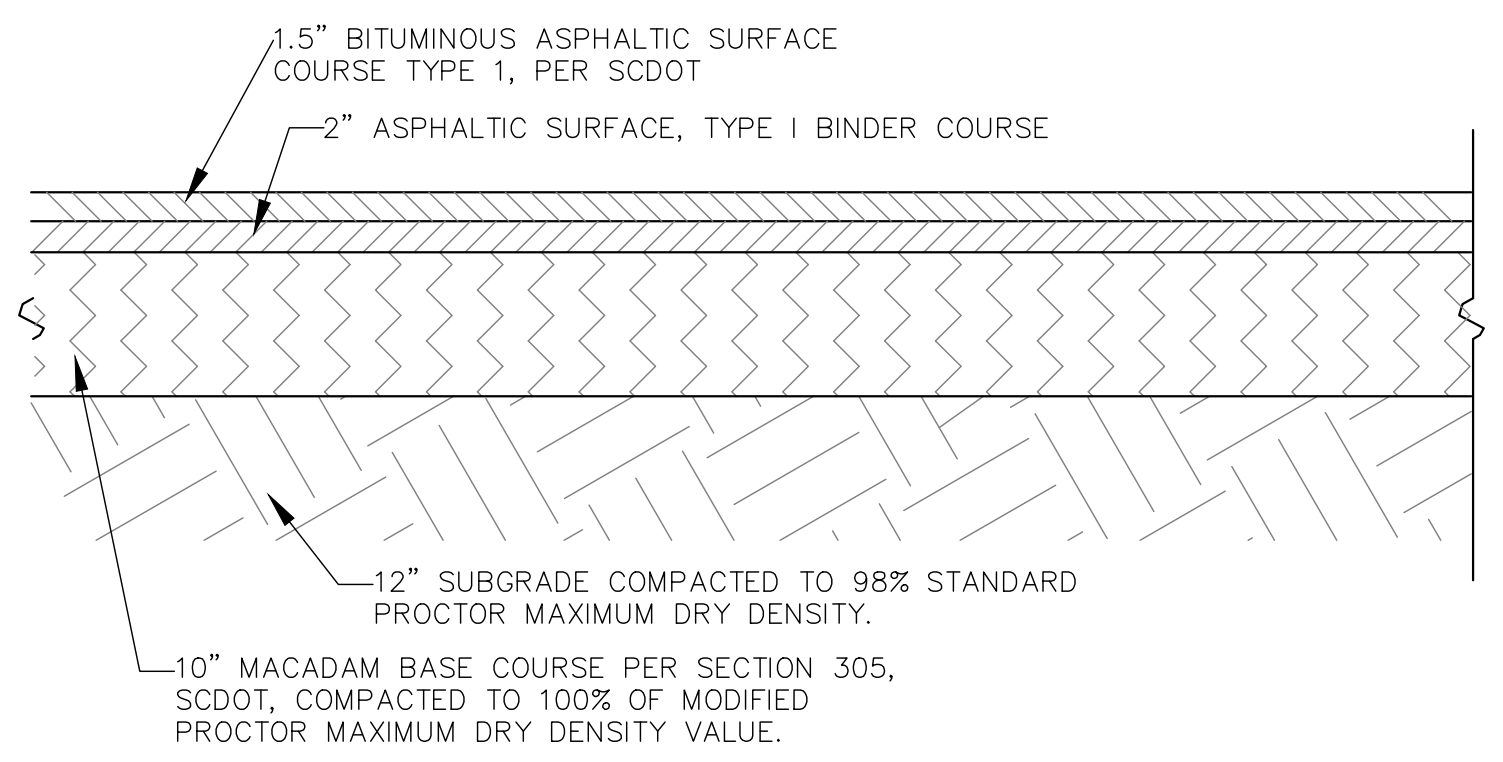
NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V)
CLARENDON COUNTY
SOUTH CAROLINA

FILE NAME: 23192 PLAN SET.DWG
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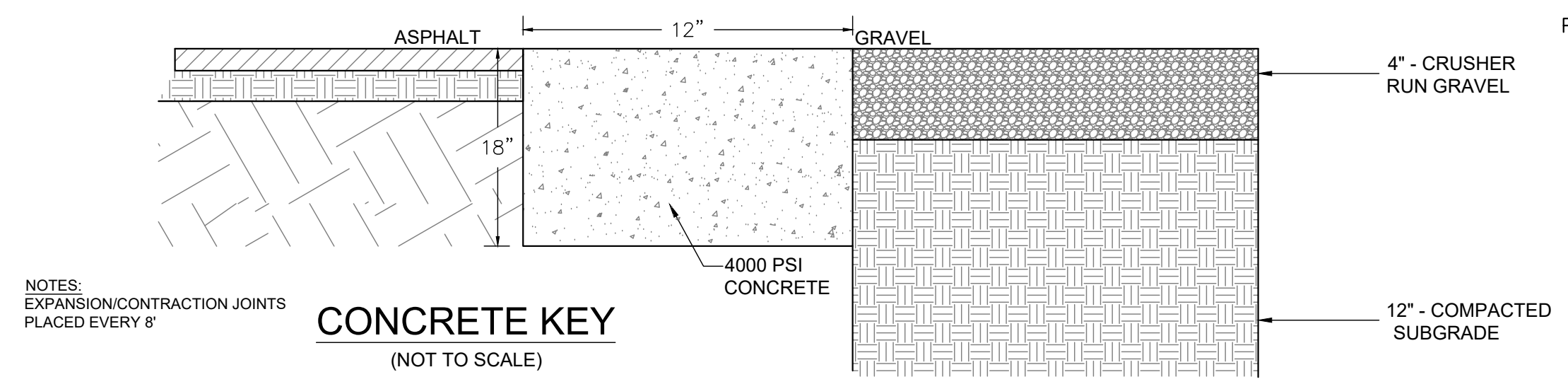
SHEET **C-10.0** OF 15

DWG NO. 01.1669-D29

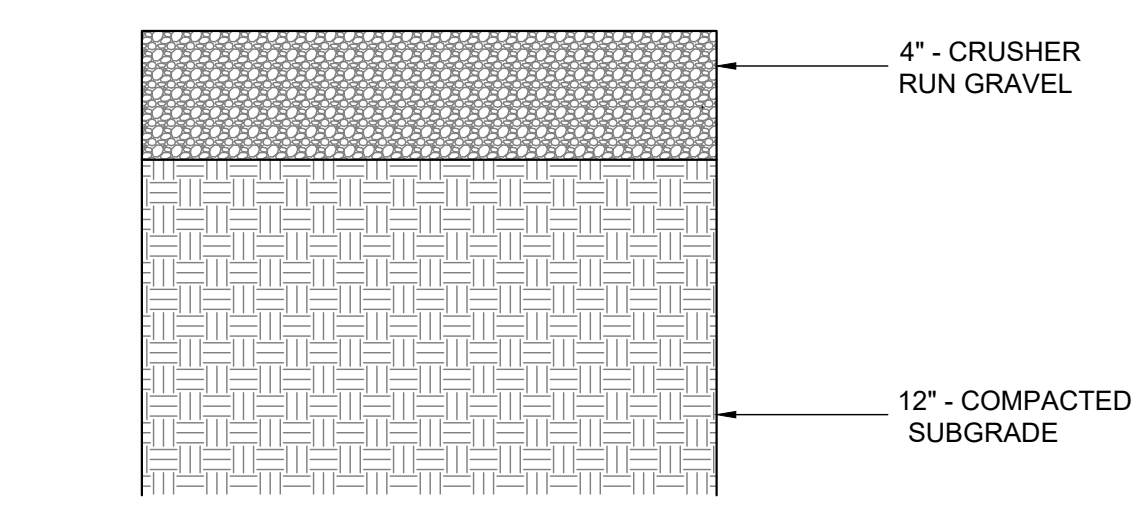
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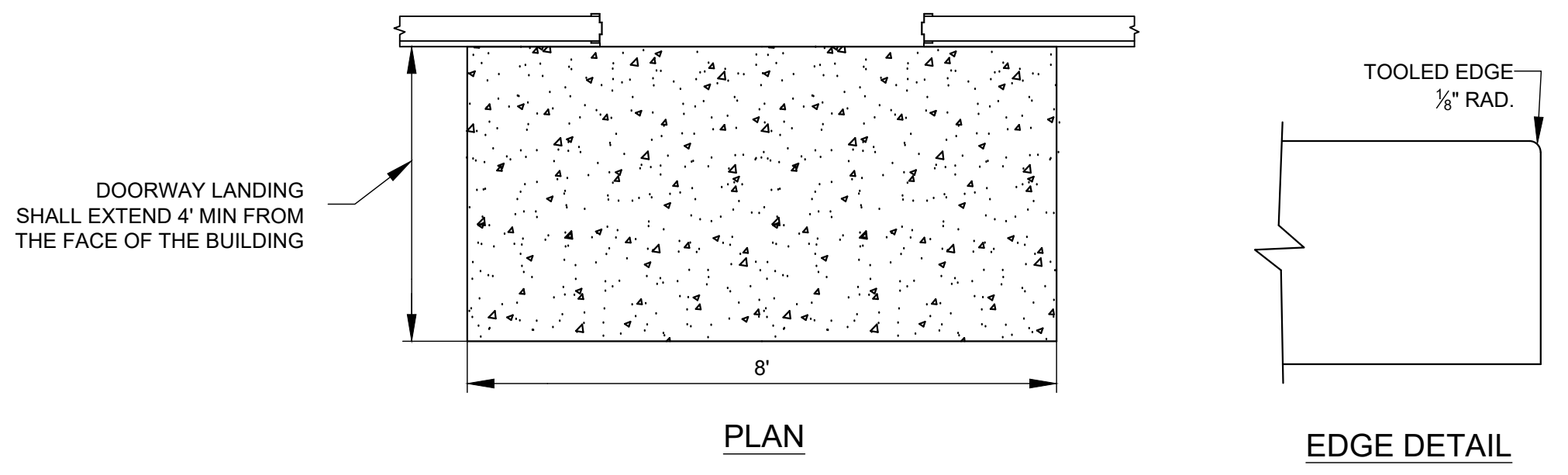
SCDOT HEAVY DUTY ASPHALT PAVEMENT DETAIL
(NOT TO SCALE)



CONCRETE KEY
(NOT TO SCALE)

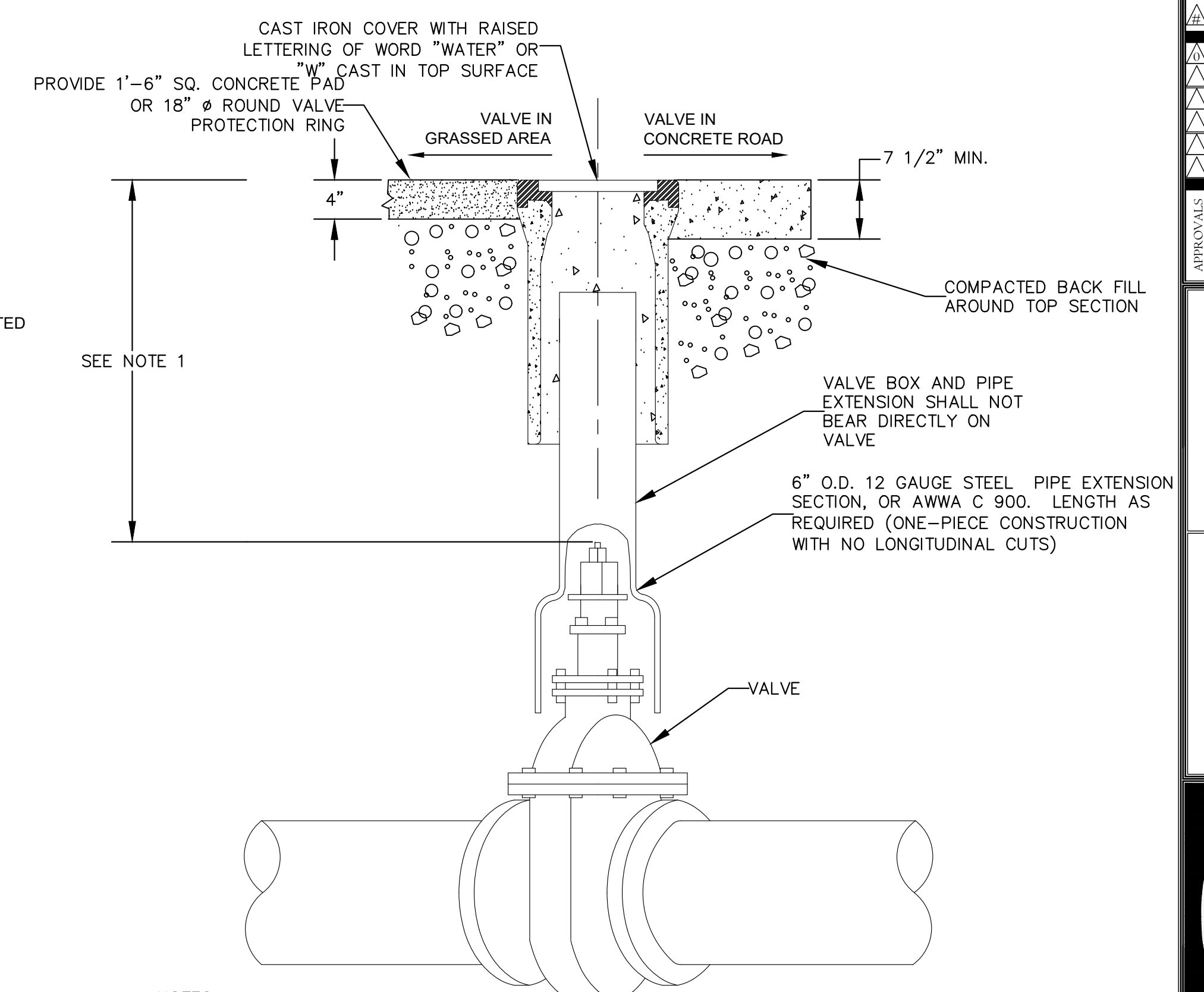


TYPICAL GRAVEL ROAD SECTION
(NOT TO SCALE)



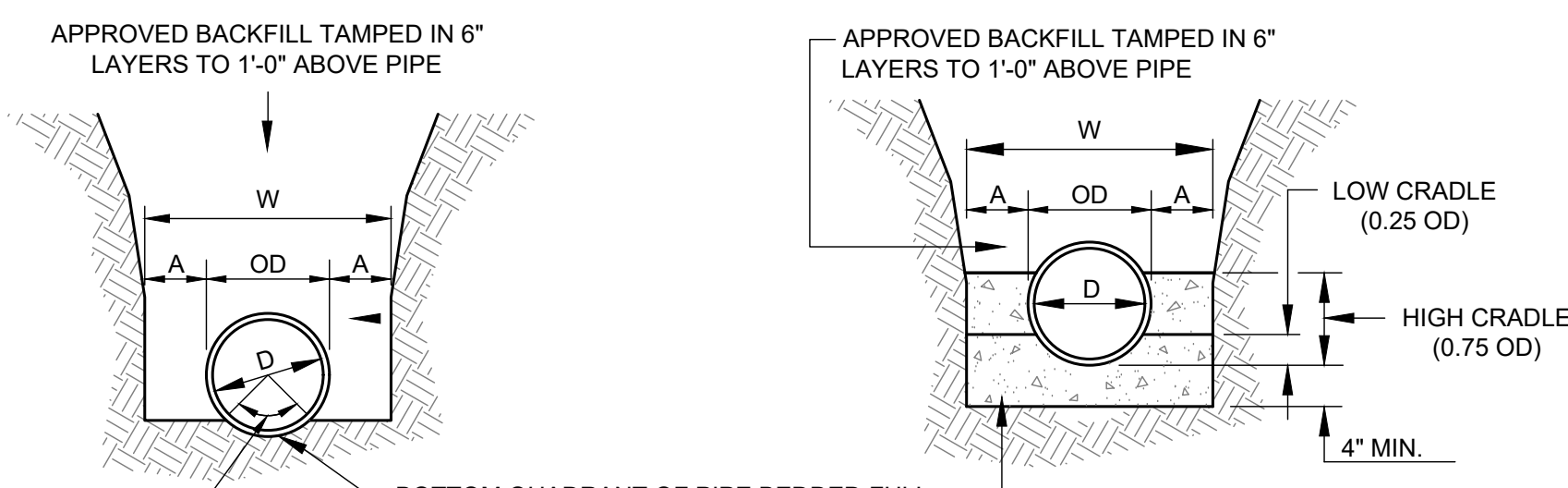
DOORWAY LANDING DETAIL
(NOT TO SCALE)

NOTE: CAST-IN-PLACE OR PRECAST DOORWAY LANDING IS ACCEPTABLE. CONCRETE SHALL HAVE MINIMUM REINFORCING AND BE 4\"/>



- NOTES:
- OPERATING NUT OR EXTENSION SHALL BE A MAXIMUM OF 24\"/>
 - VALVE TYPE, SIZE AND ENDS AS SPECIFIED OR SHOWN ON PLANS.
 - ALL VALVES 2\"/>
 - VALVE BOX AND PIPE EXTENSION SHALL NOT BEAR DIRECTLY ON VALVE.

GATE VALVE AND VALVE BOX DETAILS
(NOT TO SCALE)



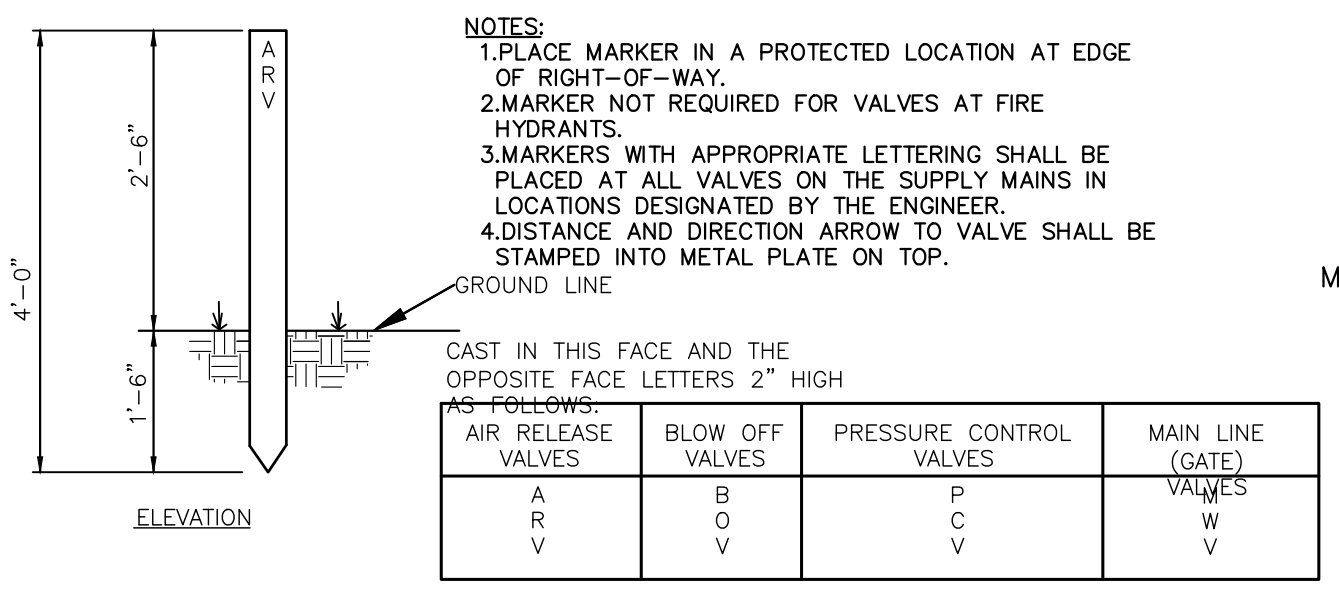
CLASS "C" BEDDING

CLASS "A" BEDDING

STANDARD PIPE TRENCH BEDDING
(NOT TO SCALE)

PIPE DIA. "D"	MAXIMUM "A"
6" TO 15"	8"
18" TO 21"	10"
24" TO 30"	12"
33" TO 42"	15"
48" & LARGER	18"

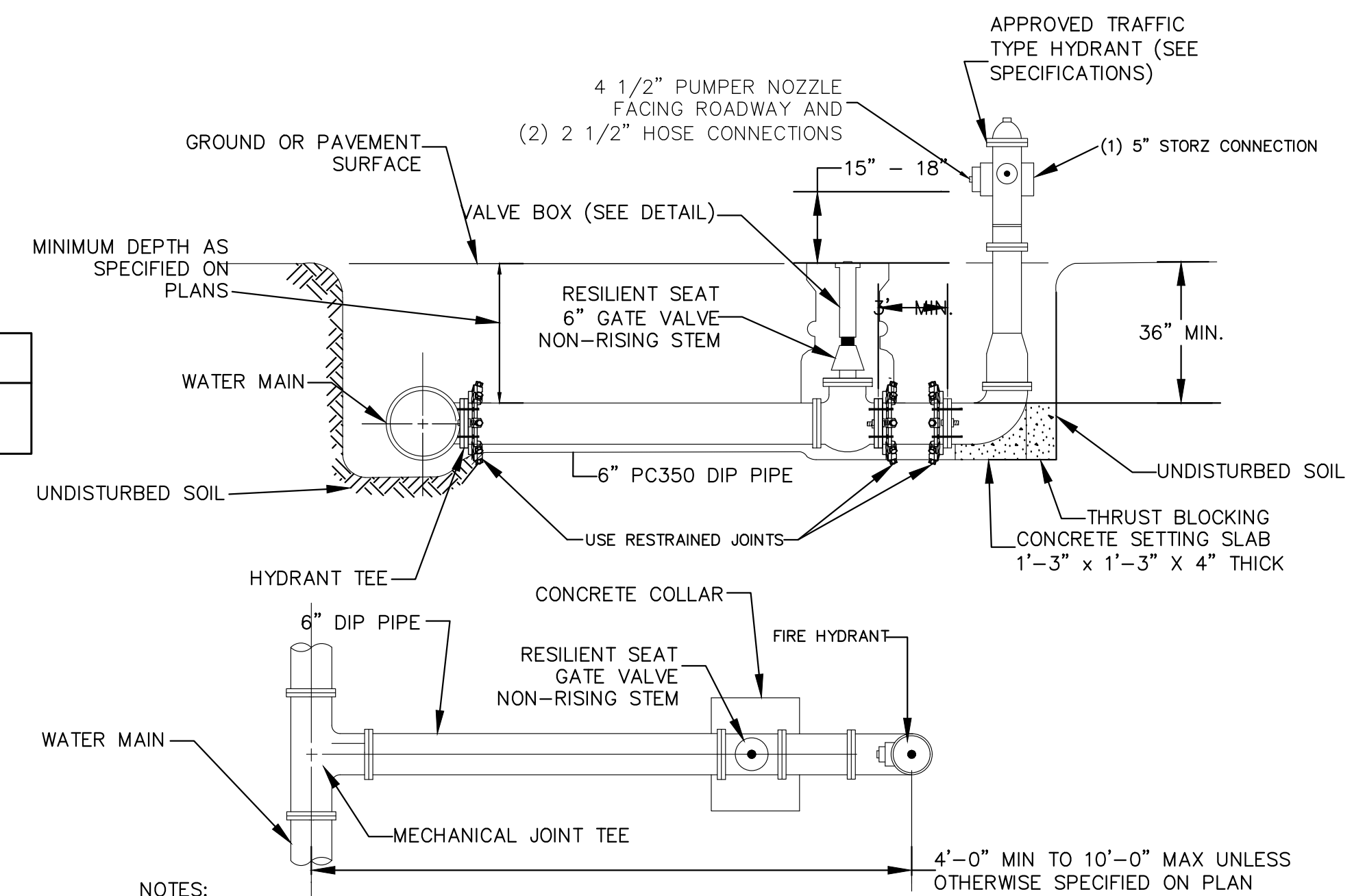
NOTE: MAXIMUM TRENCH WIDTH "W" TAKEN AT TOP OF PIPE.
LOW CRADLE=160% OF EARTH TRENCH BEARING VALUE
HIGH CRADLE=200% OF EARTH TRENCH BEARING VALUE



CONCRETE VALVE MARKER DETAIL
(NOT TO SCALE)

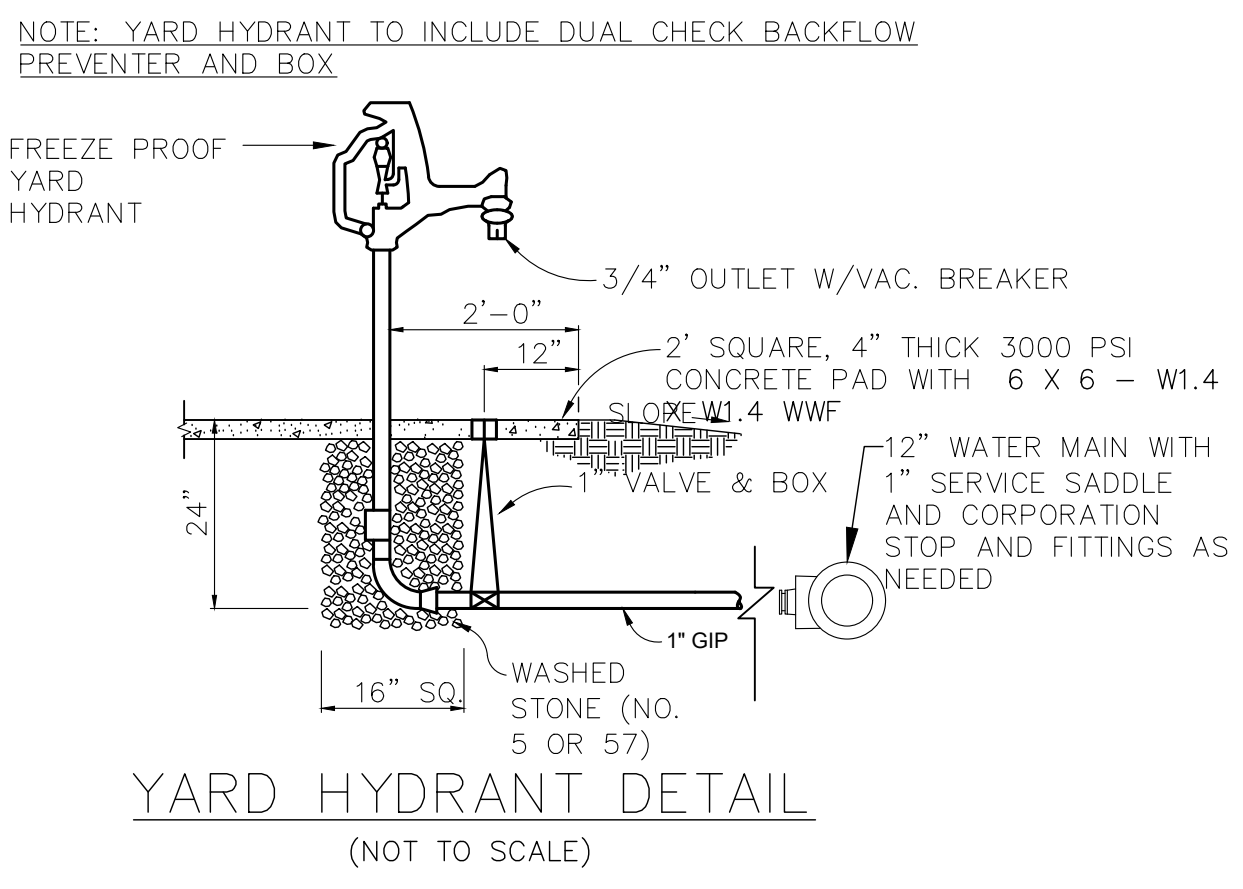
- NOTES:
- PLACE MARKER IN A PROTECTED LOCATION AT EDGE OF RIGHT-OF-WAY.
 - MARKER NOT REQUIRED FOR VALVES AT FIRE HYDRANTS.
 - MARKERS WITH APPROPRIATE LETTERING SHALL BE PLACED AT ALL VALVES ON THE SUPPLY MAINS IN LOCATIONS DESIGNATED BY THE ENGINEER.
 - DISTANCE AND DIRECTION ARROW TO VALVE SHALL BE STAMPED INTO METAL PLATE ON TOP.

AS FOLLOWS:			
AIR RELEASE VALVES	BLOW OFF VALVES	PRESSURE CONTROL VALVES	MAIN LINE (GATE) VALVES
A	B	P	W
R	O	C	V

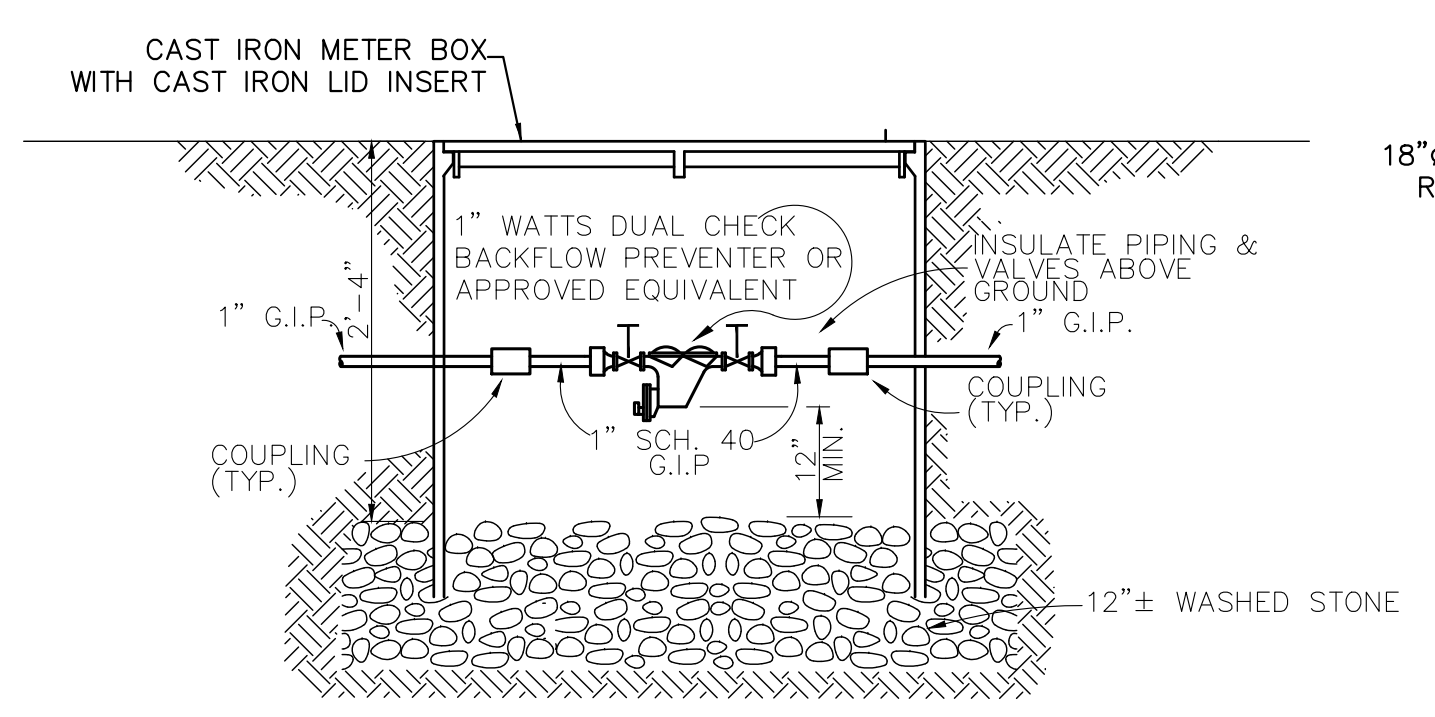


- NOTES:
- HYDRANT SHALL BE PAINTED A FIRE ENGINE RED COLOR TO MATCH OWNER'S STANDARDS.
 - 6\"/>
 - HYDRANT ASSEMBLY MUST BE RESTRAINED TO TEE.
 - FIRE HYDRANTS WILL BE INSTALLED IN TRUE VERTICAL POSITION.
 - RETAINER GLANDS MAY BE USED ON FIRE HYDRANT BRANCH LEGS FOR RODDING, IF MORE THAN ROD COUPLING IS EXCEEDED.
 - ENTIRE ASSEMBLY TO BE MECHANICALLY RESTRAINED.
 - HYDRANT LEADS SHALL BE A MINIMUM OF 6 INCHES IN DIAMETER
 - PROVIDE A GRAVEL POCKET OR DRY WELL UNLESS THE NATURAL SOILS PROVIDE ADEQUATE DRAINAGE.
 - DO NOT ALLOW THRUST BLOCKING TO BLOCK FIRE HYDRANT WEEP HOLES.

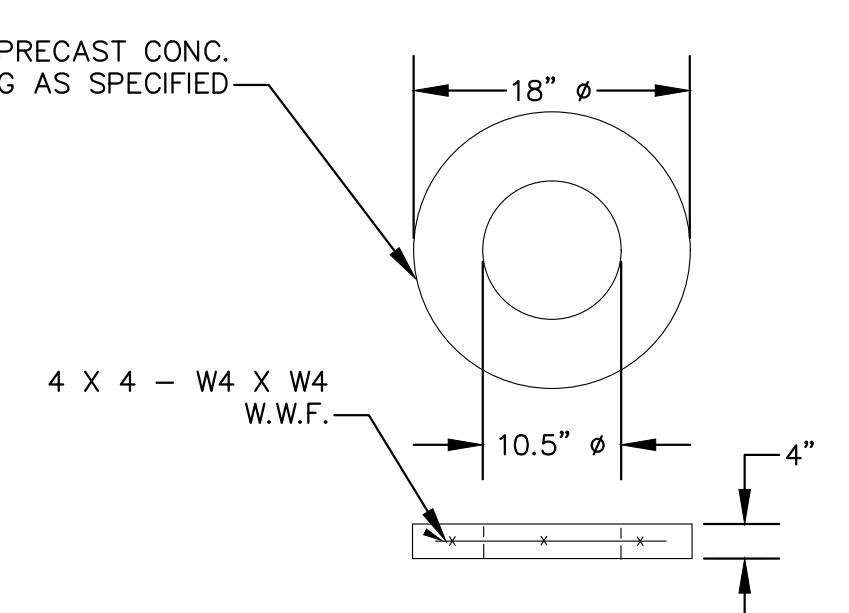
FIRE HYDRANT DETAIL
(NOT TO SCALE)



YARD HYDRANT DETAIL
(NOT TO SCALE)



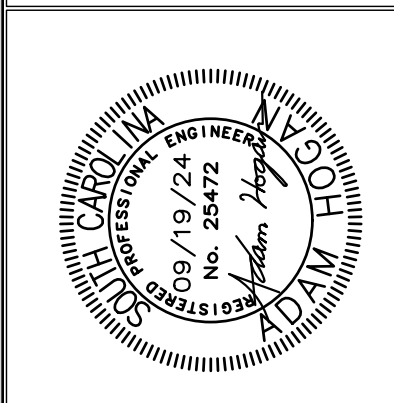
DUAL CHECK BACKFLOW PREVENTER FOR YARD HYDRANT DETAIL
(NOT TO SCALE)



VALVE PROTECTION RING DETAIL
(NOT TO SCALE)

REVISION	
DATE	DESCRIPTION

APPROVALS	ENGINEER	DISCUSSOR	TECHNICIAN	CHECKED BY	APPROVED
	ARH	MJC	MJC	ARH	ARH



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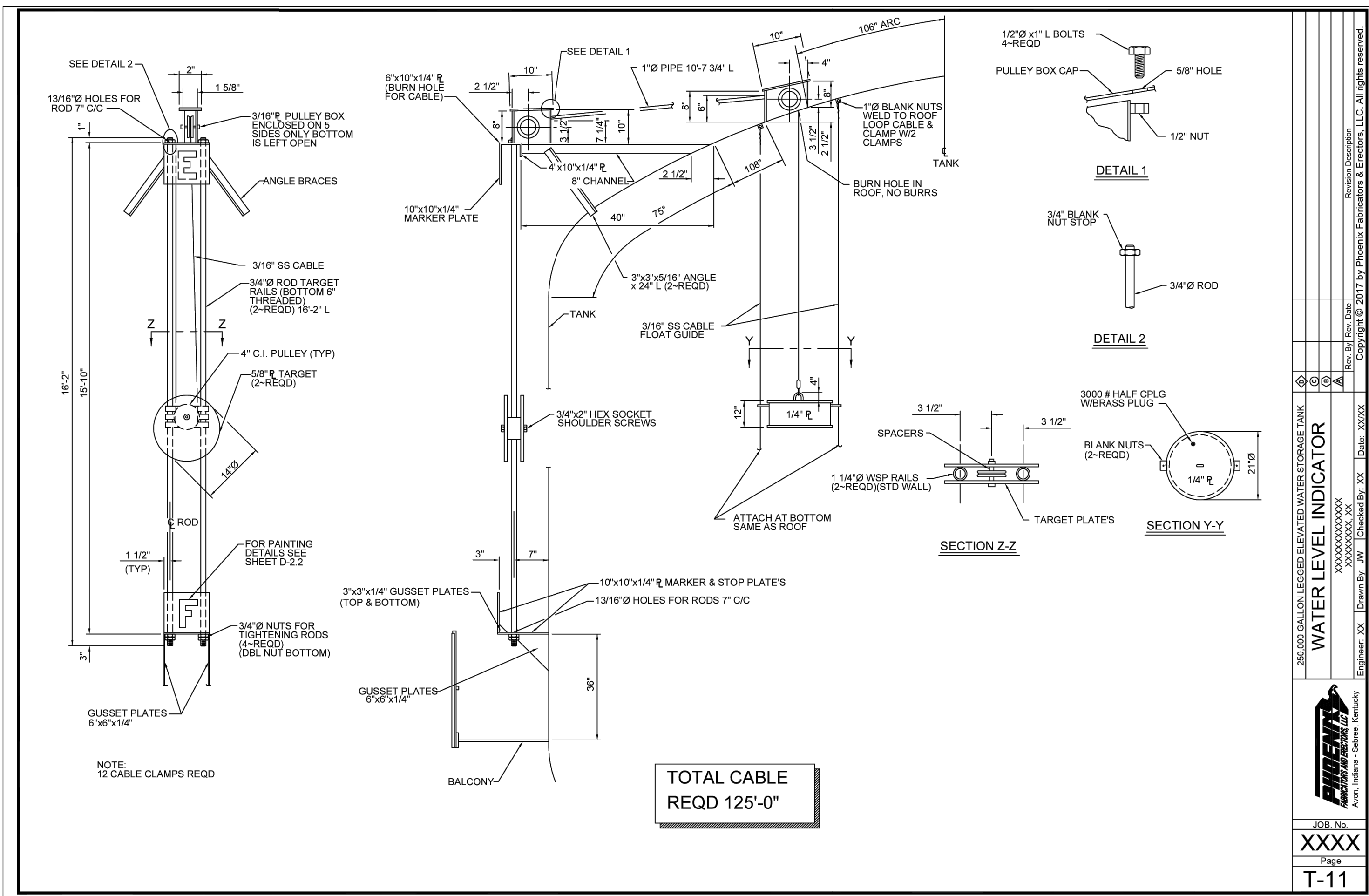
GENERAL DETAILS
(2 OF 4)

PROJECT: NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V) CLARENDON COUNTY SOUTH CAROLINA

FILE NAME:	23192 PLAN SET.DWG	SHEET	C-10.1
REFERENCE FILE:	ACE SURVEY.DWG	OF	15
PROJECT NO.:	23192-0014		

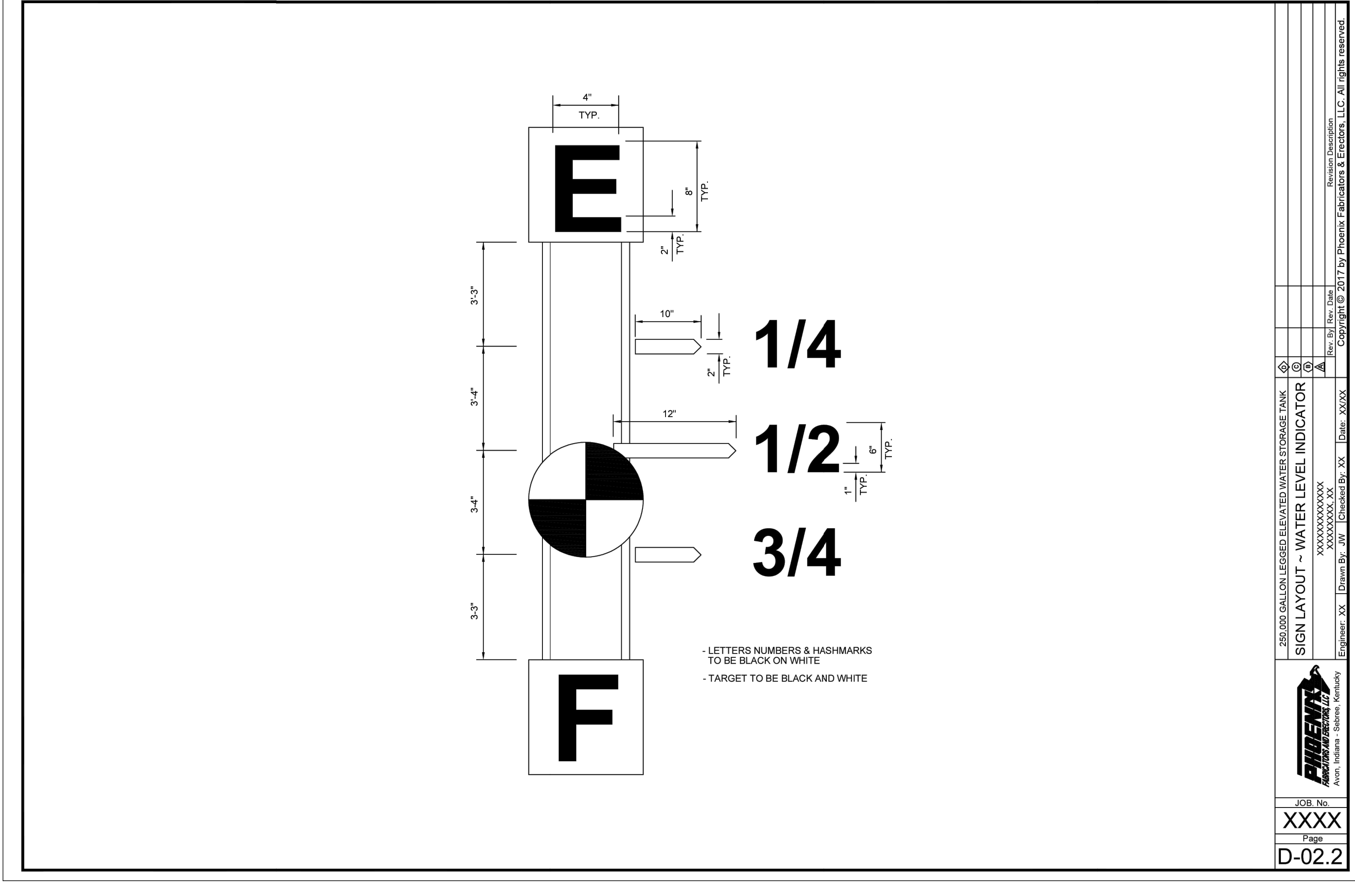
DWG NO. 01.1669-D29

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TOTAL CABLE REQD 125'-0"

250,000 GALLON LEGGED ELEVATED WATER STORAGE TANK	
WATER LEVEL INDICATOR	
Rev. 01	Rev. Date
XXXX	XXXX
Engineer: XX	Drawn By: JW
Checked By: XX	Date: XXXX
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JOB No.	XXXX
Page	T-11

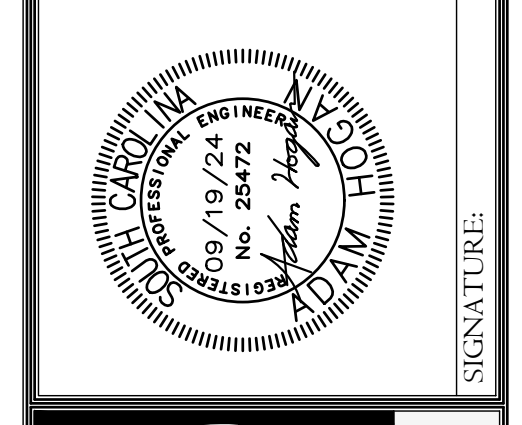


- LETTERS NUMBERS & HASHMARKS TO BE BLACK ON WHITE
 - TARGET TO BE BLACK AND WHITE

250,000 GALLON LEGGED ELEVATED WATER STORAGE TANK	
SIGN LAYOUT - WATER LEVEL INDICATOR	
Rev. 01	Rev. Date
XXXX	XXXX
Engineer: XX	Drawn By: JW
Checked By: XX	Date: XXXX
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JOB No.	XXXX
Page	D-02.2

REVISION DATE	
DATE	REVISION DESCRIPTION

APPROVALS	ENGINEER	INSURER	TECHNICIAN	CHECKED BY	APPROVED
ARH	MJC	MJC	ARH	ARH	ARH



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PROJECT: NEW 250,000 GALLON ELEVATED STORAGE TANK, GROUNDWATER WELL, AND TREATMENT SYSTEM (PHASE V) CLARENDON COUNTY SOUTH CAROLINA

SHEET: GENERAL DETAILS (4 OF 4)

DATE: JANUARY 2024 SCALE: AS SHOWN

FILE NAME: 23192 PLAN SET.DWG
 REFERENCE FILE: ACE SURVEY.DWG
 PROJECT NO.: 23192-0014

SHEET C-10.3 OF 15

DWG NO. 01.1669-D29