

GENERAL NOTES

- A. DESIGN DATA PROVIDED IN ELECTRONIC FORMAT IS FOR INFORMATION PURPOSES ONLY AND SHOULD BE USED AT YOUR OWN RISK. AND IS PROVIDED WITHOUT REPRESENTATIONS AND WARRANTIES. ANY CONFLICT BETWEEN THE INFORMATION REFLECTED ON THE LATEST REVISION OF THE SEALED PLAN SHEETS AND THAT PROVIDED VIA ELECTRONIC FORMAT SHALL BE RESOLVED IN FAVOR OF THE SEALED PLAN SHEETS.

TRAFFIC CONTROL

- A. IF DRAWINGS DO NOT INDICATE SITE SPECIFIC TRAFFIC CONTROL MEASURES, CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A TEMPORARY TRAFFIC CONTROL PLAN IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

STRUCTURE & SITE DEMOLITION

- A. VERIFY THAT UTILITIES HAVE BEEN DISCONNECTED AND CAPPED BEFORE STARTING DEMOLITION OPERATIONS.

SITE CLEARING

- 1) PROJECT CONDITIONS
A. TRAFFIC: MINIMIZE INTERFERENCE WITH ADJOINING ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED OR USED FACILITIES DURING SITE-CLEARING OPERATIONS.

CLEARING AND GRUBBING

- A. REMOVE OBSTRUCTIONS, CONCRETE, ASPHALT, TREES, SHRUBS, AND OTHER VEGETATION TO PERMIT INSTALLATION OF NEW CONSTRUCTION.

TOPSOIL STRIPPING

- A. REMOVE SOIL AND GRASS BEFORE STRIPPING TOPSOIL.

DEMOLITION

- A. REMOVE SOIL AND GRASS BEFORE STRIPPING TOPSOIL.

SITE WATER DISTRIBUTION

- 1) GENERAL
A. REGULATORY REQUIREMENTS
1. CONSTRUCTION REFLECTED ON THESE DRAWINGS IS OF UTILITY COMPANY SUPPLYING WATER. INCLUDE TAPPING OF WATER MAINS AND BACKFLOW PREVENTION.

- 3) EXISTING UTILITIES
A. LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP UTILITIES INDICATED TO BE REMOVED OR ABANDONED IN PLACE.

- 5) GATE VALVES
A. AWWA CAST-IRON GATE VALVES: NONRISING-STEM, RESILIENT-SEALED GATE VALVES. GRAY-OR DUCTILE-IRON BODY AND BONNET; WITH BRONZE OR GRAY-OR DUCTILE-IRON GATE, RESILIENT SEALS, BRONZE-STEM, AND STEM NUT.

- 7) BACKFLOW PREVENTION
A. DOUBLE-CHECK, DETECTOR-ASSEMBLY BACKFLOW PREVENTERS:
1. STANDARDS: ASSE 1048 AND UL LISTED OR FMG APPROVED.

- 9) CONCRETE VAULTS
A. DESIGNATION: STANDARD, REINFORCED-CONCRETE VAULT, DESIGNED FOR A 16-TO 24-INCH DIAMETER ACCORDING TO ASTM C 957 AND MADE ACCORDING TO ASTM C 896.

- 11) FIRE DEPARTMENT CONNECTIONS
A. DESCRIPTION: CAST-IRON, FREE-STANDING, WITH CAST-BRONZE BODY, THREAD INLETS ACCORDING TO NFPA 1963 AND MATCHING LOCAL FIRE DEPARTMENT HOSE THREADS, AND THREADED BOTTOM OUTLET. INCLUDE LUGGED CAPS, GASKETS, AND CHAINS. LUGGED SWIVEL CONNECTION AND "PROP" CLAPPER FOR EACH HOSE-CONNECTION INLET, 18-INCH, HIGH BRASS SLIP-ON AND ROUND ESCUTCHEON PLATE.

- 13) FIELD QUALITY CONTROL
A. TESTING TESTS: CONDUCT PIPING TESTS BEFORE JOINTS ARE COVERED AND AFTER CONCRETE THROTTLES HAVE CURED SUFFICIENTLY. FILL PIPELINE 24 HOURS BEFORE TESTING AND APPLY TEST PRESSURE TO STABILIZE SYSTEM. USE ONLY POTABLE WATER.

- B. HYDROSTATIC TESTS: TEST AT NOT LESS THAN ONE-AND-ONE-HALF TIMES WORKING PRESSURE FOR TWO HOURS. INCREASE PRESSURE IN 50-PSIG INCREMENTS AND INSPECT EACH JOINT BETWEEN INCREMENTS. HOLD AT TEST PRESSURE FOR 1 HOUR; DECREASE TO 0 PSIG. SLOWLY INCREASE AGAIN TO TEST PRESSURE AND HOLD FOR 1 MORE HOUR. MAXIMUM ALLOWABLE LEAKAGE IS 2 QUARTS PER HOUR PER 100 JOINTS. REMAKE LEAKING JOINTS WITH NEW MATERIALS AND REPEAT TEST UNTIL LEAKAGE IS WITHIN ALLOWED LIMITS.

CONTRACTOR SHALL ALSO REFER TO WATER SYSTEM SPECIFICATIONS DATED NOVEMBER 20, 2018 PREPARED BY FORESITE GROUP, INC. WHERE DIFFERENCES EXIST IN THE ABOVE SPECIFICATIONS AND THE WATER SYSTEM SPECIFICATIONS DATED NOVEMBER 20, 2018 PREPARED BY FORESITE GROUP, INC. THE WATER SYSTEM SPECIFICATIONS DATED NOVEMBER 20, 2018 PREPARED BY FORESITE GROUP, INC SHALL PREVAIL.

SITE SANITARY SEWERS

- 1) PROJECT CONDITIONS
A. INTERRUPTION OF EXISTING SANITARY SEWERAGE SERVICE: COORDINATE AS REQUIRED WITH THE LOCAL PUBLIC UTILITY SERVICE BEFORE STARTING CONSTRUCTION.

- 4) CLEANOUTS
A. CAST-IRON CLEANOUTS:
1. DESCRIPTION: ASME A112 36.2M, ROUND, GRAY-IRON HOUSING WITH CLAMPING DEVICE AND ROUND, SECURED, CONNECTION, GRAY-IRON COVER. INCLUDE GRAY-IRON FERRULE WITH INSIDE CALK OR SPIGOT CONNECTED AND COUNTERSUNK, TAPERED-THREAD, BRASS CLOSURE PLUG.

- 5) MANHOLES
A. STANDARD PRECAST CONCRETE MANHOLES:
1. DESCRIPTION: ASTM C 478, PRECAST, REINFORCED CONCRETE, OF DEPTH INDICATED, WITH PROVISION FOR SEALANT JOINTS.

- 7) FIELD QUALITY CONTROL
A. INSPECT THE JOINT OF PIPING TO DETERMINE WHETHER LINE DISPLACEMENT OR OTHER DAMAGE HAS OCCURRED. INSPECT AFTER APPROXIMATELY 24 INCHES OF BACKFILL IS IN PLACE, AND AGAIN AT COMPLETION OF PROJECT.

- 8) STORMWATER DETENTION STRUCTURES
A. CAST-IN-PLACE CONCRETE, STORMWATER DETENTION STRUCTURES: CONSTRUCTED OF REINFORCED-CONCRETE BOTTOM, WALLS, AND TOP; DESIGNED ACCORDING TO ASTM C 890 FOR A-16 (AASHTO HS20-44), HEAVY-TRAFFIC, STRUCTURAL LOADINGS, OF DEPTH, SHAPE, DIMENSIONS, AND APPURTENANCES INDICATED.

- 9) PIPE OUTLETS
A. PRE-CAST HEAD WALLS: PRE-CAST REINFORCED CONCRETE, WITH APRON AND TAPERED SIDES. B. SLOPE PAVED HEAD WALLS: CAST-IN-PLACE REINFORCED CONCRETE AS SHOWN ON DRAWINGS. C. RIBBAP BASINS: BROKEN, IRREGULARLY SIZED AND SHAPED, GRADED STONE ACCORDING TO NSSGA'S "QUARRIED STONE FOR EROSION AND SEDIMENT CONTROL" MINIMUM STONE SIZE AND DIMENSIONS AS SHOWN ON DRAWINGS.

- 11) CLEANING
A. CLEAN INTERIOR OF PIPING OF DIRT AND SUPERFLUOUS MATERIALS.

CONTRACTOR SHALL ALSO REFER TO WASTEWATER SYSTEM SPECIFICATIONS DATED NOVEMBER 20, 2018 PREPARED BY FORESITE GROUP, INC. WHERE DIFFERENCES EXIST IN THE ABOVE SPECIFICATIONS AND THE WASTEWATER SYSTEM SPECIFICATIONS DATED NOVEMBER 20, 2018 PREPARED BY FORESITE GROUP, INC. THE WASTEWATER SYSTEM SPECIFICATIONS DATED NOVEMBER 20, 2018 PREPARED BY FORESITE GROUP, INC SHALL PREVAIL.

SITE STORM UTILITY DRAINAGE PIPING

- 1) PIPE AND FITTINGS-GENERAL
A. ALL STORMWATER PIPE, INLETS, HEADWALLS, AND RELATED APPURTENANCES SHALL MEET LOCAL D.O. & PLAN SPECIFICATIONS.

- 4) CORRUGATED PVC DRAINAGE PIPE AND FITTINGS
A. CORRUGATED PVC DRAINAGE PIPE AND FITTINGS NPS 3 TO NPS 10: AASHTO M 252M; NPS 12 TO NPS 48: AASHTO M 258M TYPE S, WITH SMOOTH WATERWAY FOR COUPLING JOINTS.

- 5) MANHOLES
A. STANDARD PRECAST CONCRETE MANHOLES:
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A. INSPECT THE JOINT OF PIPING TO DETERMINE WHETHER LINE DISPLACEMENT OR OTHER DAMAGE HAS OCCURRED. INSPECT AFTER APPROXIMATELY 24 INCHES OF BACKFILL IS IN PLACE, AND AGAIN AT COMPLETION OF PROJECT.

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- 11) CLEANING
A. CLEAN INTERIOR OF PIPING OF DIRT AND SUPERFLUOUS MATERIALS.

ENGINEER

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WATER
TIRES • SERVICE • BRAKES • BATTERIES
PROJECT: 107-111 BRANNON DRIVE
GREEN, SC 29051
PARCEL # T015000300300 & T015000300301

SEAL:
SOUTH CAROLINA PROFESSIONAL ENGINEERING
No. 34332
C. BRANNON
11/5/18

Table with 2 columns: REVISIONS, DATE. Rows for JURISDICTIONAL COMMENTS dated 2018-11-02, 2018-11-09, 2018-11-14, 2018-11-19, 2018-11-28.

Table with 2 columns: PROJECT MANAGER, DRAWING BY, JURISDICTION, DATE, SCALE, TITLE. Values: JMJ, JAM, GREER, SC 29051, AS SHOWN.

GENERAL NOTES

SHEET NUMBER: G-2
COMMENTS: PERMIT SET
JOB/FILE NUMBER: 814.026

