

Project: **NEW FACILITIES & RENOVATIONS FOR CLEMSON DOWNS RETIREMENT COMMUNITY**

Commission Number: **1302** Date: **10/28/13**

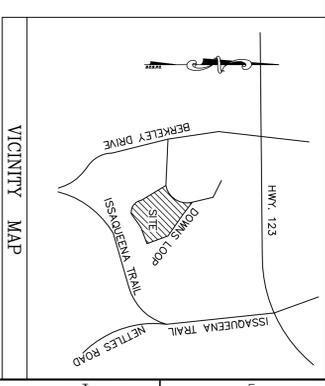
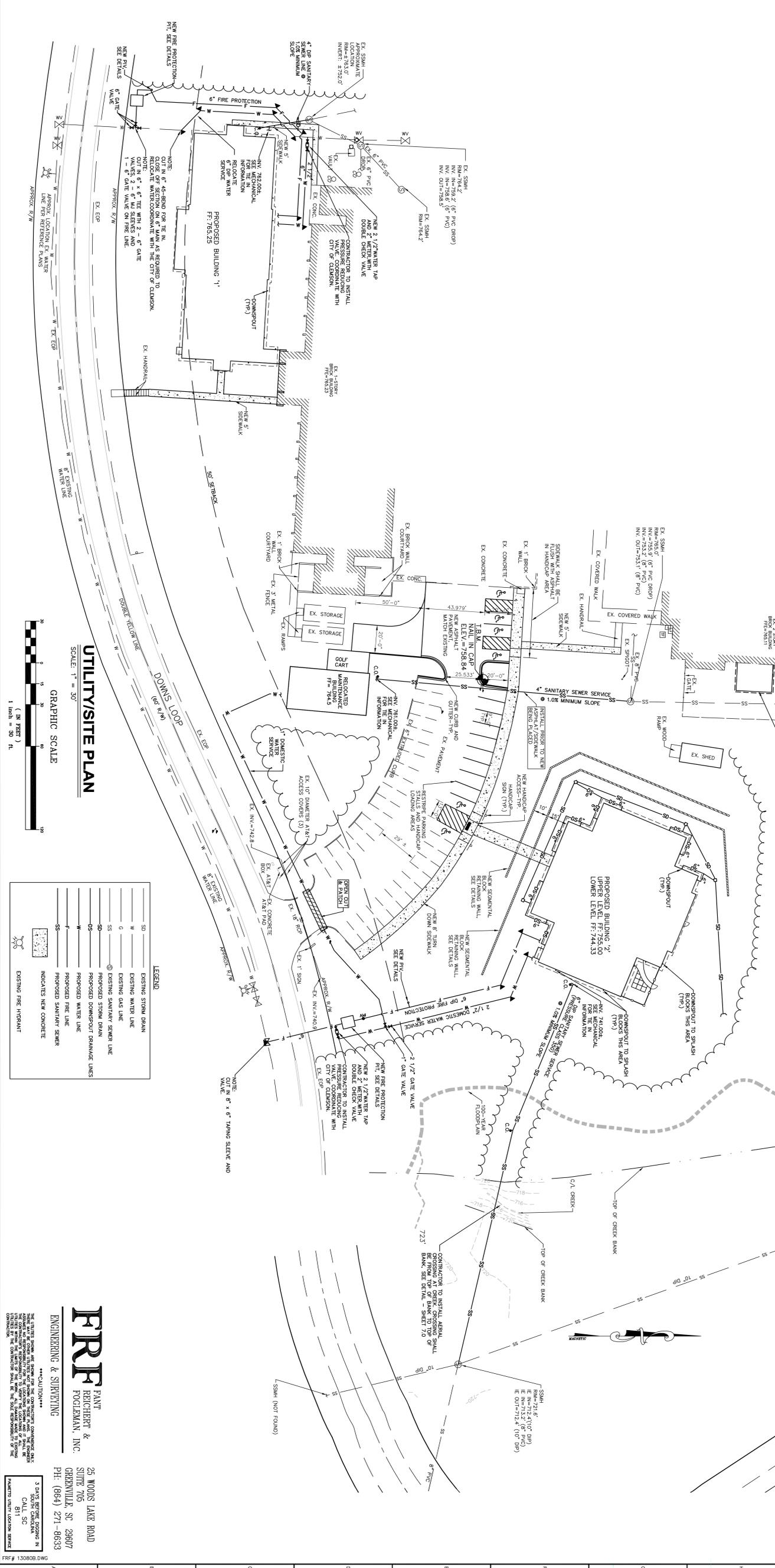
Drawing Ref. **C-3/4**

Addendum No. **2**

Sketch No. **1**

GENERAL NOTES

- Ownership and maintenance of on-site water and sewer mains to be by City of Clemson. Provide fire line and service lines per City of Clemson specifications.
- Fire line to be pressure Class 350 DIP conforming to ANSI/A21.51.
- Current lining to be per ANSI/A21.4. Joint to be push-on type per ANSI/A21.11. All water lines to be a minimum of 3" deep.
- Sanitary sewer lines to be a minimum of 18" deep. Minimum depth to be paid for by the owner. Any retesting required due to improper compaction will be paid for by the contractor.
- Sanitary sewer lines to be completely lined before placing into operation. The lining operation shall be continued for sufficient time to ensure thorough cleaning. Coordinate cleaning and the City of Clemson.
- Fire line to be hydrostatically tested at 200 PSI for 1.5 hours.
- Fire line to be tested at 200 PSI for 2 hours.
- Provide a temporary stone splash pad at all fire hydrants or other points of discharge during testing of the water.
- Provide silt fence and/or other control devices as may be required to control soil erosion during utility construction. All disturbed areas shall be cleaned, graded and stabilized with topsoil.
- Contractor is responsible for maintaining adequate erosion control measures during construction.
- Unless noted otherwise, all domestic water services and sewer services to be run to within 5' of building.
- Sanitary sewer pipe must be laid true to line and grade with bell ends.
- Separation conditions in this area to be verified by contractor prior to construction. Coordinate with Architectural drawing for final dimensions of new construction.
- The contractor is responsible for the verification and the location of all existing utilities and structures. The contractor shall be responsible for conducting his work in accordance with the latest requirements and regulation of the Occupational Safety and Health Administration (OSHA).
- All sanitary sewer services to be in accordance with the latest edition of the City of Clemson Standard Specification to be per City of Clemson Utilities Specification and regulations. Man-A-Lids fittings to be used. There is a 20' elevation associated with the relocated water lines.
- Polyvinylchloride (PVC) sewer pipe shall conform to ASTM D-3034, ASTM F-436, or ASTM F-349 with SDR 35. Construction shall not exceed SDR 35.
- Ductile iron pipe (DIP) for sanitary sewer, shall conform to ANSI/ASTM A746. Wall thickness to conform to ANSI/AWWA C150/A21.50. Wall thickness to be Class 50 minimum. Joints to be push-on type.
- All concrete work shall be done in accordance with ACI 318.
- Contractor responsible for water service installation. City of Clemson to provide to pay applicable fees to City.
- Concrete pavement to be 6" thick with 6x6 W2.9 x W2.9 welded wire fabric.
- Concrete shall obtain a compressive strength of 3000 psi at 28 days, per ASTM C1097.
- Moisture substrate prior to placing concrete. Concrete shall be screeded, machine troweled and finished to the elevation as shown on plan.
- Proper curing methods shall be used. A minimum curing compound shall be applied to all concrete surfaces.
- Control joints shall be sawed as soon as concrete has hardened to permit sawing without excessive raveling. Control joints to be placed so maximum area with no joints is 15' x 15'. Fill all joints with an approved sealant.
- Concrete shall be allowed to cure 3 days before automobile traffic is permitted and 7 days before truck traffic is permitted.
- Construction joints are to be installed whenever a concrete pour is completed. All concrete work shall be done in accordance with the City of Clemson to provide to pay applicable fees to City.
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LEGEND

SD	EXISTING STORM DRAIN
W	EXISTING WATER LINE
G	EXISTING GAS LINE
SS	EXISTING SANITARY SEWER LINE
SD	PROPOSED STORM DRAIN
W	PROPOSED WATER LINE
G	PROPOSED GAS LINE
SS	PROPOSED SANITARY SEWER LINE
SS	INDICATES NEW CONCRETE

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3 DAYS BEFORE COMMENCEMENT OF WORK
CALL FOR SCHEDULE OF WORK
MAINTAINING UTILITIES LOCATION SERVICE

C-3.0

SHEET DESCRIPTION
UTILITY/SITE
PLAN

DATE
OCTOBER 1, 2013

COMMISSION NO.
1302

DRAWING NO.
C-3.0

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CARE FACILITY & ASSISTED LIVING RENOVATIONS
FOR

CLEMSON DOWNS RETIREMENT COMMUNITY

CLEMSON, SOUTH CAROLINA

REVISIONS

Issued for Permitting 10/01/13