

DATE	8-1-90
REVISIONS	
1	8-31-90
2	9-20-90
3	10-1-90

BLUE HILLS GOLF CLUB CLUB HOUSE FACILITY ROANOKE, VIRGINIA

HUGHES ASSOCIATES ARCHITECTS
A PROFESSIONAL CORPORATION
ARCHITECTURE - PLANNING - CONSULTING
P. O. BOX 1034, ROANOKE, VIRGINIA 24005, TEL. 703-342-4002

COMM. NO. 2011
SHEET
C1

GENERAL NOTES - SITEWORK

The Contractor shall be responsible for notifying the City of Roanoke and the Design Engineer at least 48 hours prior to starting any work on this project. All work shall be subject to inspection by City Inspectors and Design Engineer. The Contractor shall obtain all necessary permits.

The location of existing utilities across or along the line of proposed work is not necessarily shown in the plans and where shown is approximate. The Contractor shall, on his own initiative and at no extra cost, locate all underground lines and structures. The Contractor shall be responsible for the proper protective measures for each individual construction location and for protecting utilities from damage. Any damage caused by the Contractor or the Contractor's construction operations shall be corrected by the Contractor at his expense.

Contractor shall call "Miss Utility" at 1-800-332-7001 prior to construction.

Power lines and poles, telephone lines and poles, and gas lines shall be protected from damage in accordance with the utility owner's instructions. The Contractor is responsible for contacting the utility owner to obtain the proper protective measures for each individual construction location and for protecting utilities from damage. Any damage caused by the Contractor or the Contractor's construction operations shall be corrected by the Contractor at his expense.

The Contractor shall notify the Engineer for a review should discrepancies be discovered at the site or on the drawings.

The Contractor shall notify the City of any field revisions or corrections to the approved plans prior to such construction.

The Contractor is responsible for verifying the most recent revision date of the plans prior to commencing construction.

All lines to be staked prior to construction.

All dimensions shown are measured from outside face of building to face of curb.

EROSION CONTROL

All erosion and sediment control measures shall be accomplished in strict accordance with the Standards and Specifications of the Virginia Erosion and Sediment Control Handbook, latest edition.

Erosion control measures shall be the first step of construction.

The Contractor shall inspect all erosion control measures periodically and after every variable rainfall. Any necessary repairs or changes shall be made immediately and at no extra cost.

The approving authority may add to, delete, relocate, or otherwise modify certain measures where field conditions warrant.

EARTHWORK

The Contractor shall comply with the latest revisions of the Virginia Occupational Safety and Health Standards for the Construction Industry as adopted by the Safety and Health Codes Commission of Virginia.

Earthwork shall be to the lines and grades shown. Proofrolling and compaction test shall be accomplished in the field in all areas.

The Grading Contractor shall proof-roll the construction area with heavy pneumatic equipment. All unsuitable material shall be undercut and recompacted with approved structural fill material.

Surplus excavated material shall be removed from the site and disposed of by the Grading Contractor, at his own expense.

The top 12" of all new fill material shall be compacted to 98% of maximum dry density as determined by ASTM D698 (Standard Proctor Method). All other fill shall be compacted to 95%.

All fill material shall be from a source approved by the testing agency and shall be free of roots, organic and stones greater than 4" in diameter. Fill shall be placed in 6" layers and compacted as specified.

The Grading Contractor shall scarify all asphalt pavement before placing fill.

The Grading Contractor shall conform to elevations and dimensions shown to within a tolerance of plus or minus 0.10 feet. Final graded surface under building slabs shall be within 3/8" when measured with a 10' straight edge.

GENERAL UTILITY NOTES

Natural gas line conflicts, should they exist, should be coordinated with Roanoke Gas Company (703-342-6621).

Temporary service, permanent service, and conflicts should be coordinated with Appalachian Power Company (703-985-2783).

Telephone service and conflicts should be coordinated with C & P Telephone of Virginia (703-342-3800).

Construction of water and sewer service shall be coordinated with the City of Roanoke (961-2601).

WATER NOTES

A minimum cover of three (3) feet is required over proposed lines.

All water lines shall be installed as shown on the plans. All pipes, valves, and fittings shall be in accordance with the latest edition of the AWWA standards and all local codes and standards.

Water lines shall be pressure tested, disinfected, and tested in accordance with AWWA Standard 9001 (latest revision).

The Contractor shall provide all materials, equipment, and necessary labor and shall perform all work required for installation, testing, and flushing.

All trenches shall be thoroughly compacted to prevent settlement and damage to future pavement and structures.

Contractor is responsible for locating and uncovering all valve vaults after paving and adjusting to final grade if necessary.

SEWER NOTES

A minimum cover of three (3) feet is required over all lines.

All sanitary sewer work shall be constructed to the lines and grades indicated. Pipe bedding and backfill shall be carefully controlled. All work shall comply with local codes.

Installation shall begin at the downstream manhole and proceed upstream.

All trenches shall be thoroughly compacted to prevent settlement and damage to future pavement and structures.

Contractor is responsible for locating and uncovering all manholes after paving and adjusting to final grade if necessary.

PAVEMENT, CURBS, AND WALKS

Asphalt pavement for light duty areas shall be constructed with 6" compacted 2 1/2" base (Virginia Department of Transportation standard 21-A) and 2" compacted concrete (Type 3-B). All work shall comply with the specifications in accordance with the latest revision of the VDOT Road and Bridge Specifications.

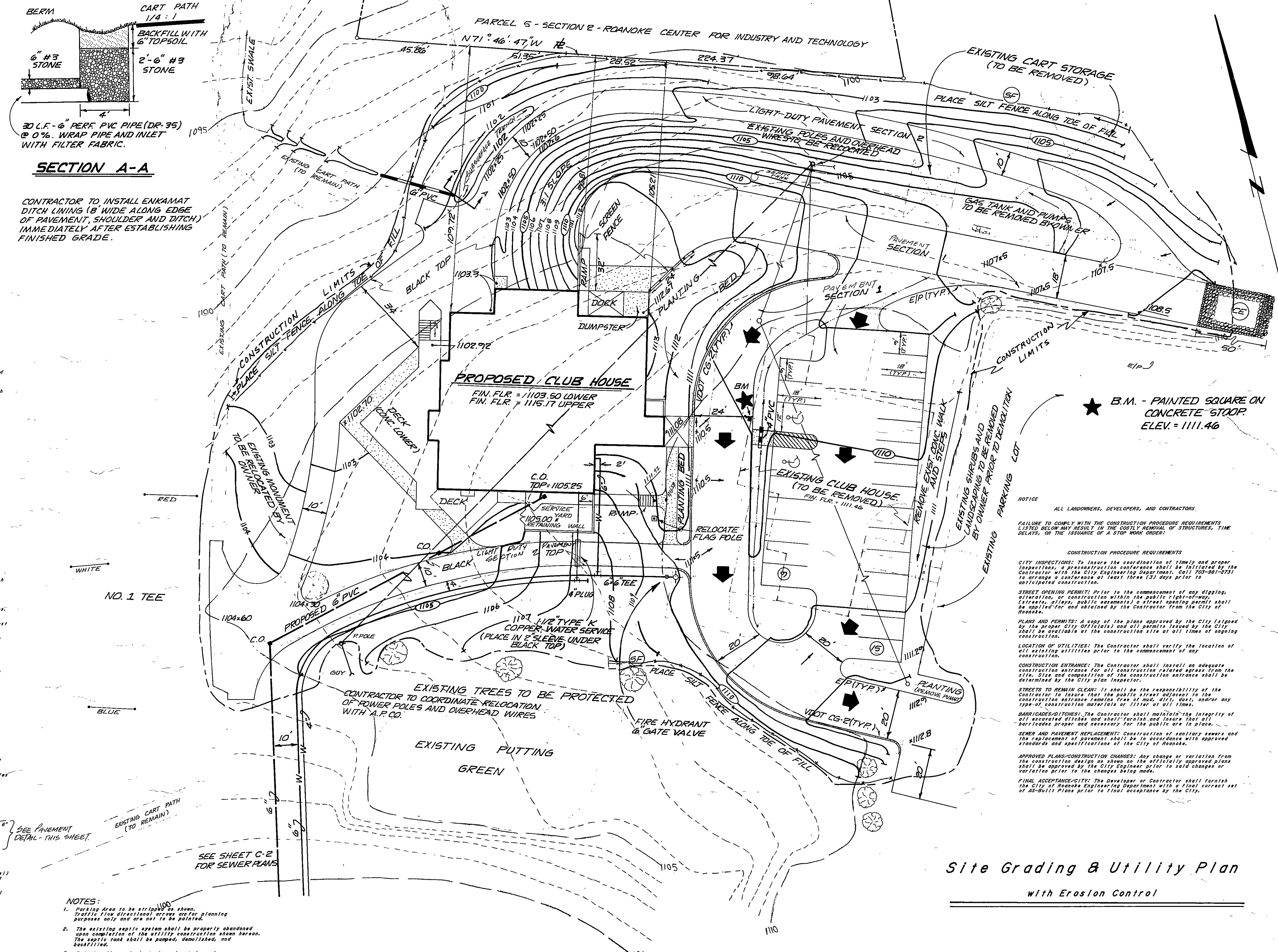
Concrete curb and gutter shall be VDOT standard CG-2 or CG-6 as indicated.

Concrete sidewalks shall be 4" thick, VDOT standard A-3 (3000 psi) concrete, installed in accordance with Section 205 of the latest revision of the VDOT Road and Bridge Specifications.

All areas not covered with pavement, sidewalks, or building shall receive topsoil and be graded by owner.

Applicable Public Utilities

Electric - Appalachian Power Company
Gas - Roanoke Gas Company
Sewer - City of Roanoke
Telephone - C & P Telephone of Virginia
Water - City of Roanoke



NOTES:

1. Parking Area to be strip-laid as shown. Traffic flow directional arrows are for planning purposes only and are not to be painted.
2. The existing septic system shall be properly abandoned upon completion of the utility construction shown herein. The septic tank shall be pumped, demolished, and backfilled.
3. Existing flag pole is to be relocated as shown.

PAVEMENT DETAIL

	SECTION 1	SECTION 2
ASPHALT	2" TYPE SM-2A	2" TYPE SM-2A
2 1/2" A	6"	4"
STONE		
COMPACTED SUBBASE		

PAVEMENT DETAIL - THIS SHEET

SEE SHEET C-2 FOR SEWER PLANS

SHANKS ASSOCIATES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
313 Luck Avenue
Roanoke, Virginia 24011
(703) 343-6682
DATE: July 30, 1990 SCALE: 1" = 20'
JOB NO. 790007

SHEET C-1