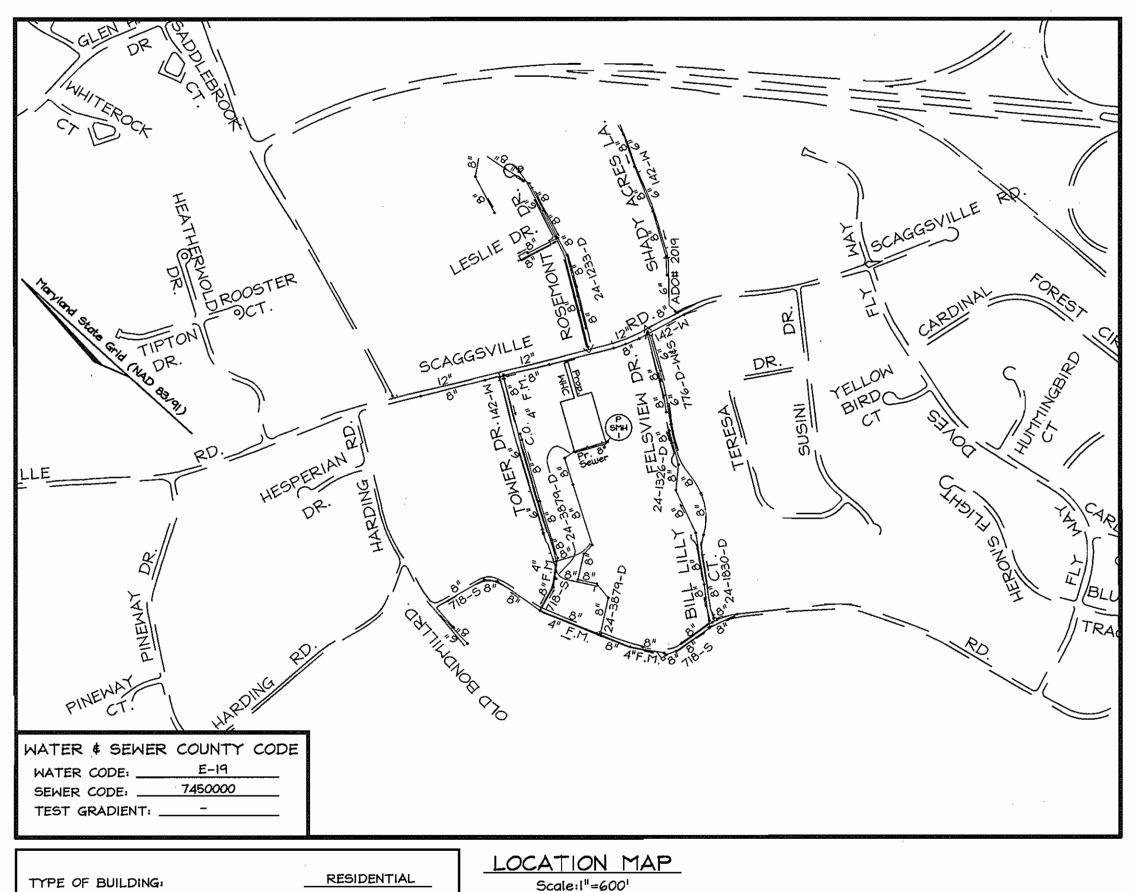
FINAL PUBLIC SEWER & WATER PLAN THE HILLSIDE AT ROCKY GORGE VIII

HOWARD COUNTY, MARYLAND CONTRACT NO. 24-4428-D



PUBLIC WATER AND SEWER QUANTITIES				
NAME OF UTILITY CONTRACTOR : W.F. WILSON & SONS, INC.				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE : AUGUST 15,2008				
ITEMS	QUANTITIES	AS-BUILT		
	ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
MANHOLE	I	ł	PRECAST	ATLANTIC CONC./W.F. WILSON
8" SEWER D.I.P.	221 L.F.	216 L.F.	CL.52	U.S. PIPE/BELAIR RD. SUPPLY
4" D.I.P.	21 L.F.±	50 L.F.	CL. 52	U.S. PIPE/W.F. WILSON
1-1/2" W.H.C. (COPPER)	55 L.F.	60 L.F.	`K'	READING TUBE/BELAIR RD. SUPPLY
⚠ FIRE HYDRANT	1 EA.	IEA.	5 ¹	MUELLER/BELAIR RD. SUPPLY

diam's

PROFESSIONAL CERTIFICATION I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No#22418, Expiration Date: 07/29/09.

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

DEPARTMENT OF PLANNING & ZONING

HOWARD COUNTY, MARYLAND

3/29/07

NO. OF LOTS/PARCELS

DRAINAGE AREA:

TREATMENT PLANT:

NO. OF WATER HOUSE CONNECTIONS

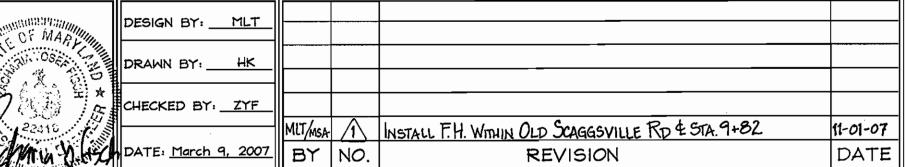
NO. OF SEWER HOUSE CONNECTIONS:

LITTLE PATUXENT

PATAPSCO

FSH Associates Engineers Planners Surveyors 6339 Howard Lane Elkridge, MD 21075 Tel:410-567-5200 Fax: 410-796-1562 E-mail: info@fsheri.com

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.



FINAL PUBLIC SEWER & WATERA COVER SHEET

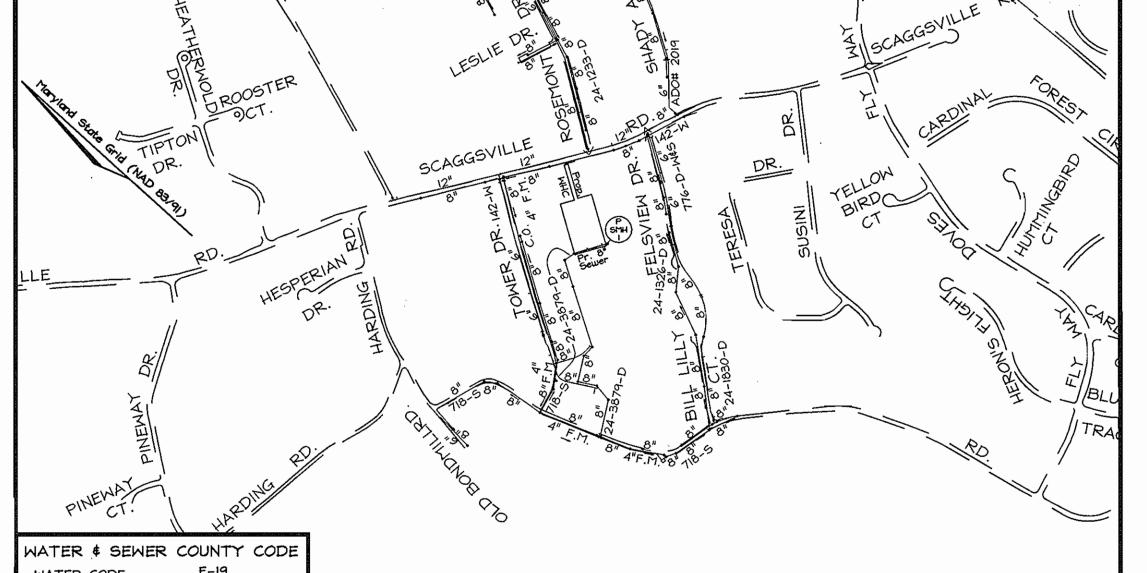
DATE 600' SCALE MAP NO .: 46 BLOCK NO .:_

THE HILLSIDE AT ROCKY GORGE VIII LOTS 1, 2, 3 AND 4 A RESUBDIVISION OF LOT 2, THE HILLSIDE AT ROCKY GORGE III PLAT #16017-16018 AND LOT 2, THE HILLSIDE AT ROCKY GORGE IV

CONTRACT NO. 24-4428-D

As Shown SHEET NO.

SCALE:



7. Where test pits have been made an existing utilities, they are noted by the symbol at the locations of the test pits. A note or notes containing the results of the test pit or pits is included an the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be located by the contractor two weeks in advance of construction operations at his own expense. 8. The contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

to schedule the bracing of the poles.

BENCHMARKS

GENERAL NOTES

PART | - GENERAL

410.850,4620 BGE(Construction Services) BGE(Emergency) 410.685.1400 Bureau of Utilities 410.313.4900 Colonial Pipeline Company Miss Utility State Highway Administration 1.800.257.7777 410.531.5533 1.800.743.033/ 410.224.9210

N 163,112.0109 E 410,554.3131 E1.: 123.1516 (meters) N 535,143.322 E 1,346,960.276 El.: 404.040 (feet) N 162,918.7983 E 410,825.8184 E1.: 122.2555 (meters) N 534,509.424 E 1,347,851.039 E1.: 401.100 (feet)

1. Approximate locations of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted service. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the contractor's expense.

2. Topography is based on an Aerial Topographic Survey prepared by Wings Aerial Mapping Co., Inc. in 1993, and suplemented by field run topographic by FSH Associates on

3. Horizontal and Vertical Survey Controls:
The coordinates shown on the drawings are based on Maryland State Reference System NAD '83/'91 as projected by Howard County Geodetic Control Stations No. 47FT1 and No. 47FT2

All vertical controls are based on NAVD '88. Vertical controls provided on the drawings are Sta. 47FT1 - 3/4" Rebar with plastic cap 8' NE of paving edge, 26.7' s of BG&E pole; Sta. 47FT2 - 3/4" Rebar with plastic cap 2.0'SE of paving edge, 23'SE' of BG&E pole.

4. All pipe elevations shown are invert elevations unless otherwise noted on the plans.

5. Clear all utilities by a minimum of 12". Clear all poles by 5'-0" minimum or turnel as required unless otherwise noted. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on drawings. In the event the contractor's work requires the bracing of additional poles, any cost incurred by the owner for bracing of additional poles or damages shall be deducted from monies owed the contractor. The contractor shall coordinate with the utility companies

6. For details not shown on the drawing, and for materials and construction methods use Howard County Design Manual, Volume IV, Standard Specifications and Details for Construction (Latest Edition). The contractor shall have a copy of Volume IV on the job

9. Trees and shrubs are to be protected from damage to the maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the

10. The contractor shall remove trees, stumps and roots along the line of excavation. Payment for such removal shall be included in the unit price bid for the construction of the main.

11. The contractor shall notify the Bureau of Highways, Howard County, at 410.313.7450 at least five working days before open cutting or boring/jacking of any County road for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirements per Section 18.114(a) of the Howard County Code.

PART III - SEWER

I. All sewer mains shall be D.I.P. or P.V.C. unless otherwise noted. All manholes shall be 41-0" inside diameter unless otherwise noted.

 Force mains shall be D.I.P. only.
 Manholes shown with 12" and 16" walls are for brick manholes only. 5. Manholes designated W.T. in plan and profile shall have watertight frame and cover, Standard Detail G5.52. Where watertight manhole frames and covers are used, set top of frame 1'-6" above finished grade unless otherwise noted on the drawings.

6. House(s) with the symbol "C.N.S." indicates that cellar cannot be served.

1 PART II - WATER

1. All water mains to be D.I.P. Class 54 unless otherwise noted.

2. Tops off all water mains to have a minimum of 3'-6" cover unless otherwise noted. 3. Yalves adjacent to tees shall be strapped to tees.

4. All fittings shall be buttressed or anchored with concrete in accordance with

the Standard Details unless otherwise provided for on the drawings. 5. Fire Hydrants shall be set to the bury line elevations shown on the drawings. All Fire Hydrants shall be restrained and buttressed with concrete in accordance with Standard Details. Soil around Fire Hydrant shall be

compacted in accordance with Section 1000 & 1005 of the Standard Specifications. 6. The Contractor shall not operate any water main valves on the exist water system.

7. All water house connections shall be for inside meter settings unless

otherwise Noted on the plans or in specifications.

8. All WHCs shall be copper.

DATE: AUGUST 15,2008

a man grand of the way

OWNER/DEVELOPER Scaggsville Road Investment, LLP

1301 Park Avenue Baltimore, Maryland 21217

TAX MAP 46 GRID 18 6TH ELECTION DISTRICT

_ of <u>2</u> PARCELS 326 HOWARD COUNTY, MARYLAND

ANTOWER ACRES 3050/dwg/FinaNRGVIINFinalWS\3050_7p_s1.dwg, 3/9/2007 4:00:11 PM, pschellin, 1:

CONSERVATION DISTRICT

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

