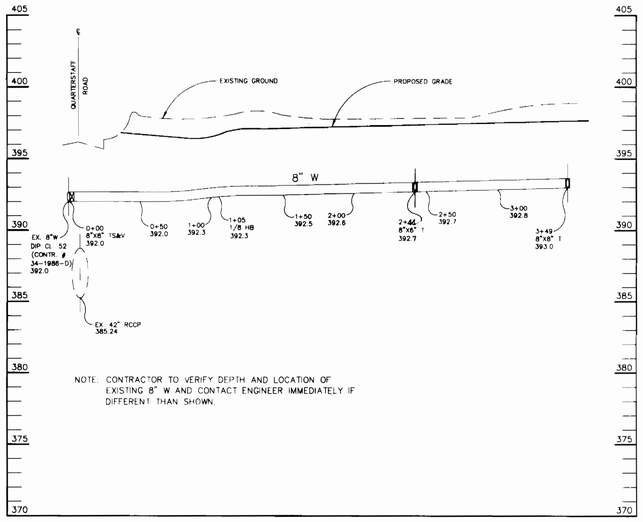
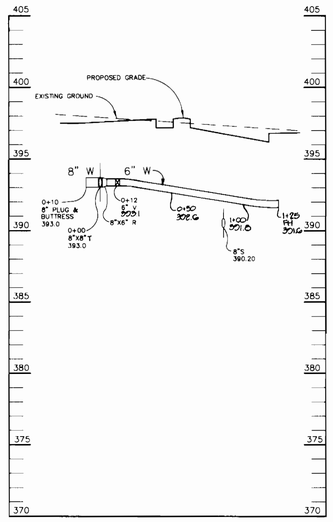
AS-BUILT

3468 WS/1 Sunrise at Hickory Ridge, VHR, 6/3, par. A-5



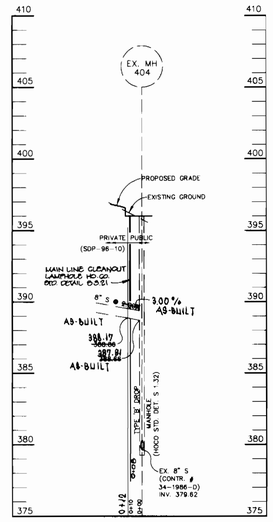
WATER PROFILE

SCALE
HOR.-1"=50'
VERT.-1"=5'



WATER PROFILE

SCALE
HOR.-1"=50'
VERT.-1"=5'



SEWER PROFILE

SCALE
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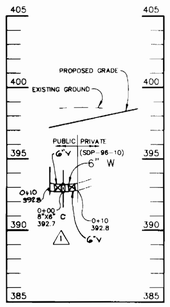
VERT.-1"=5'



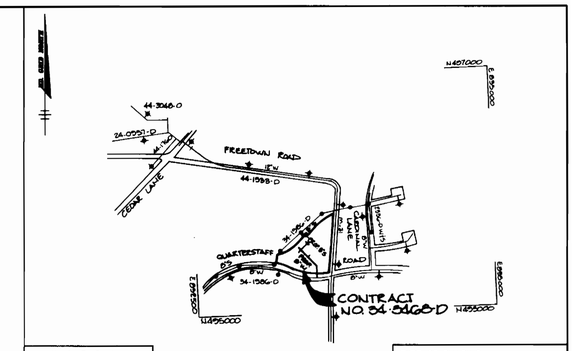
WATER PROFILE

SCALE
HOR.-1"=50'
VERT.-1"=5'

BENCHMARKS

BM #1
N 495745.30 ELEV. 397.37
E 833423.67

BM #2
N 495919.21 ELEV. 391.45
E 833573.14



W & S Code
County Use
Water No. E-29
Sewer No. 5024900
Test Gradient: 700
Zone: 550

TYPE OF BUILDING:
ASSISTED LIVING FACILITY
DRAINAGE AREA: PATUXENT
TREATMENT PLANT:
LITTLE PATUXENT WWTP
NUMBER OF W.H.C.: 1
NUMBER OF S.H.C.: 1

VICINITY MAP

SCALE : 1"=600'

QUANTITIES

ITEMS	QUANTITIES ESTIMATED	AS-BUILT QUANTITIES	AS-BUILT TYPE	AS-BUILT MANUFACTURER / SUPPLIER
8" WATER	359 LF	359 L.F.	D.I.P.	GRIFFIN PIPE/B.R.S.
6" WATER	135 LF	135 L.F.	D.I.P.	GRIFFIN PIPE/B.R.S.
8" SEWER	10 LF	12	P.V.C.	J.M. MANUFI/B.R.S.
8"X8" TS&V	1 EA.	1	MUELLER CO./	B.R.S.
FIRE HYDRANTS	1 EA.	1	MUELLER CO./	B.R.S.
8" VALVES	1 EA.	1	MUELLER CO./	B.R.S.
6" VALVES	2 EA.	2	MUELLER CO./	B.R.S.
MAIN LINE CLEANOUT MANHOLE	1 EA.	1	PVC PIPE P.I.P. MANHOLE F&C	J.M. MAN. CAMPBELL FOUNDRY

NAME OF UTILITY CONTRACTOR : S.E.H. EXCAVATION CONTRACTORS INC./ 410-833-3710

Sediment control measures for this contract will be implemented in accordance with Section 219 of the Specifications and as shown on SDP-96-10.

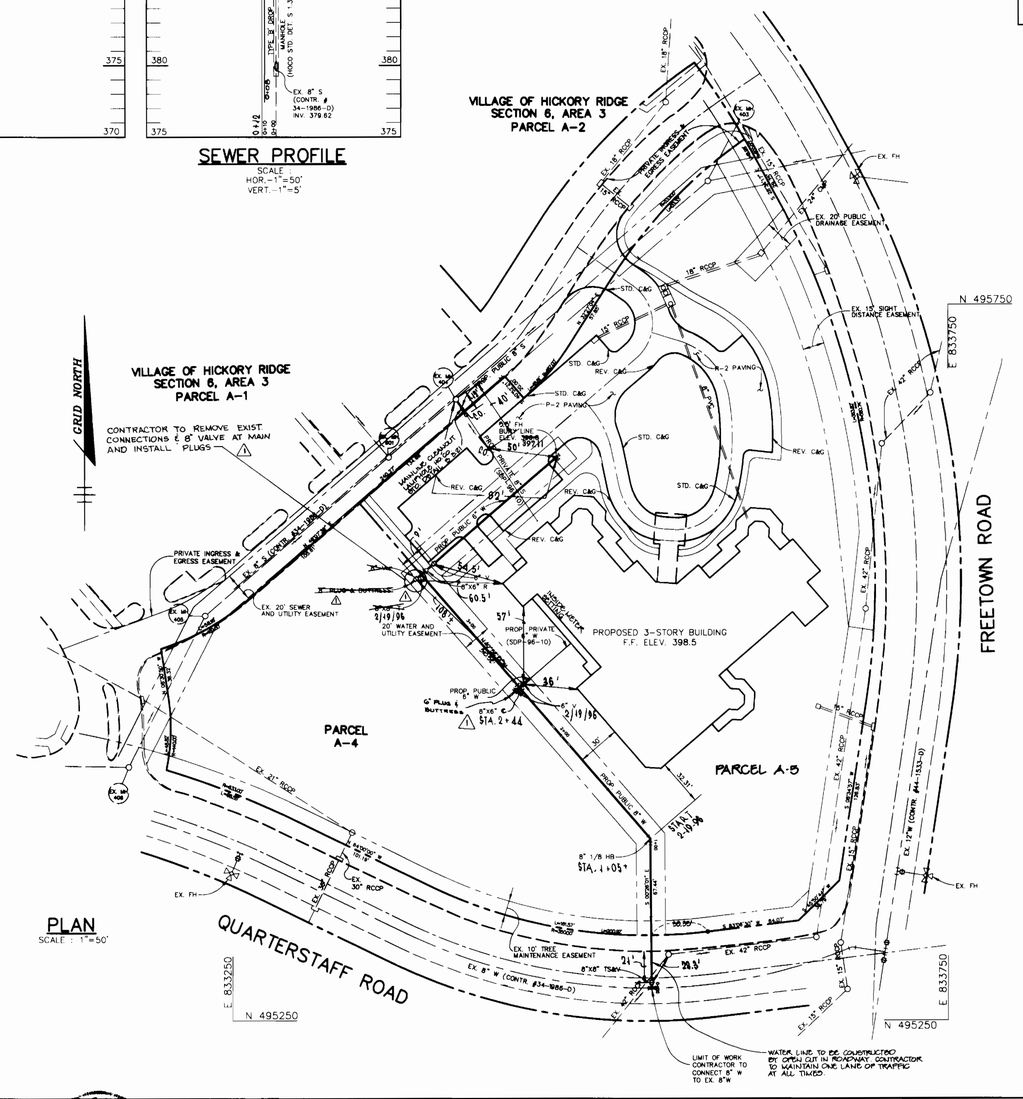
CHECKBOX
AS-BUILT DATE
SURVEY AND DRAFTING DIVISION

Review for Howard Soil Conservation District and meets technical requirements.

Patricia E. Gilbert 9/19/95
NATURAL RESOURCES CONSERVATION SERVICE DATE

This plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

John R. Robertson 9/19/95
HOWARD SOIL CONSERVATION DISTRICT DATE



PLAN

SCALE : 1"=50'

GENERAL NOTES

1. Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expense.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S. data.
4. All pipe elevations shown (Q) are invert elevations.
5. Clear all utilities by a minimum of 6". Clear all poles by 2'-0" minimum or tunnel as required. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the 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 money owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.
6. For details not shown on the drawings, and for materials and construction methods use Howard County Design Manual, Volume IV, Standard Specifications and Detail for Construction. (Latest Edition). The contractor shall have a copy of Volume IV on the job.
7. Where test pits have been made on existing utilities, they are noted by the symbol at the location of the test pit. A note or notes containing the results of the test pit or pits is included on 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. Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:

State Highway Administration	531-5533
Baltimore Gas & Electric Co. Contractor Services	850-4620
Baltimore Gas & Electric Co. Underground Damage Control	787-9068
Miss Utility	1-800-257-7777
Colonial Pipeline Co.	795-1390
Bureau of Utilities, Howard County Department of Public Works	313-4900

9. Trees and shrubs are to be protected from damage to maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.
10. Contractor shall remove trees, stumps and roots along line of excavation. Payment for such removal shall be included in the unit price bid for construction of the main.
11. All water mains to be D.I.P. Class 52 unless otherwise noted.
12. Tops of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
13. Valves adjacent to tees shall be strapped to tees.
14. All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
15. 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 the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.
16. The contractor shall not operate any water main valves on the existing water system.
17. All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.
18. All sewer mains shall be D.I.P. and P.V.C. unless otherwise noted.
19. All manholes shall be 4'-0" inside diameter unless otherwise noted.
20. Force mains shall be D.I.P. only.
21. Manholes shown with 12" and 16" walls are for brick manholes only.
22. Manholes designated W.T. in plan and profile shall have watertight frame and covers, Standard Detail G5.52. Where watertight manhole frame and cover is used, set top of frame 1"-6" above finished grade unless otherwise noted on the drawings.
23. House(s) with the symbol "C.N.S." indicates that cellar cannot be served.
24. Manholes can be either brick or precast concrete structures.
25. Contractor is solely responsible for construction means, methods, techniques, sequences, procedures, and safety precautions and programs.
26. The fire hydrant shall be installed as per standard detail W.1.11.
27. Fire hydrants will be located 3' FROM BACK OF CURB unless otherwise noted.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Bowman 9-15-95
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

9/21/95
CHIEF, DEVELOPMENT ENGINEERING DIVISION I DATE

RIEMER MUEGGE & ASSOCIATES, INC.
Planners • Engineers • Surveyors
8818 Centre Park Drive • Suite 200 • Columbia, MD 21045
410-997-8900 FAX : 410-997-9282
HOCO/105902 WS1.DWG

JAYKANT D. PAREKH # 19148

DES: R.P.P.			
DRN: R.P.P.			
CHK: C.J.R.			
DATE: 8-8-95	R.J.C.	1	REMOVED 8" V. & PIPE EXT. @ MAIN (ADDED NOTE TO CONTRACTOR), ADDED 6" PIPE EXT. & 6" V. MIDWAY DOWN PROP. BLDG. MOD PROFILE 11/4/96
	BY	NO.	REVISION DATE

PLAN AND PROFILE FOR
WATER AND SEWER MAIN

600' SCALE MAP NO. 35 BLOCK NO. 18

SUNRISE AT HICKORY RIDGE
71 UNIT ASSISTED LIVING FACILITY
SECTION 6, AREA 3
PARCEL A-5
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT 34-3468-D

SCALE AS SHOWN

SHEET 1 OF 1

AS-BUILT 8-14-96