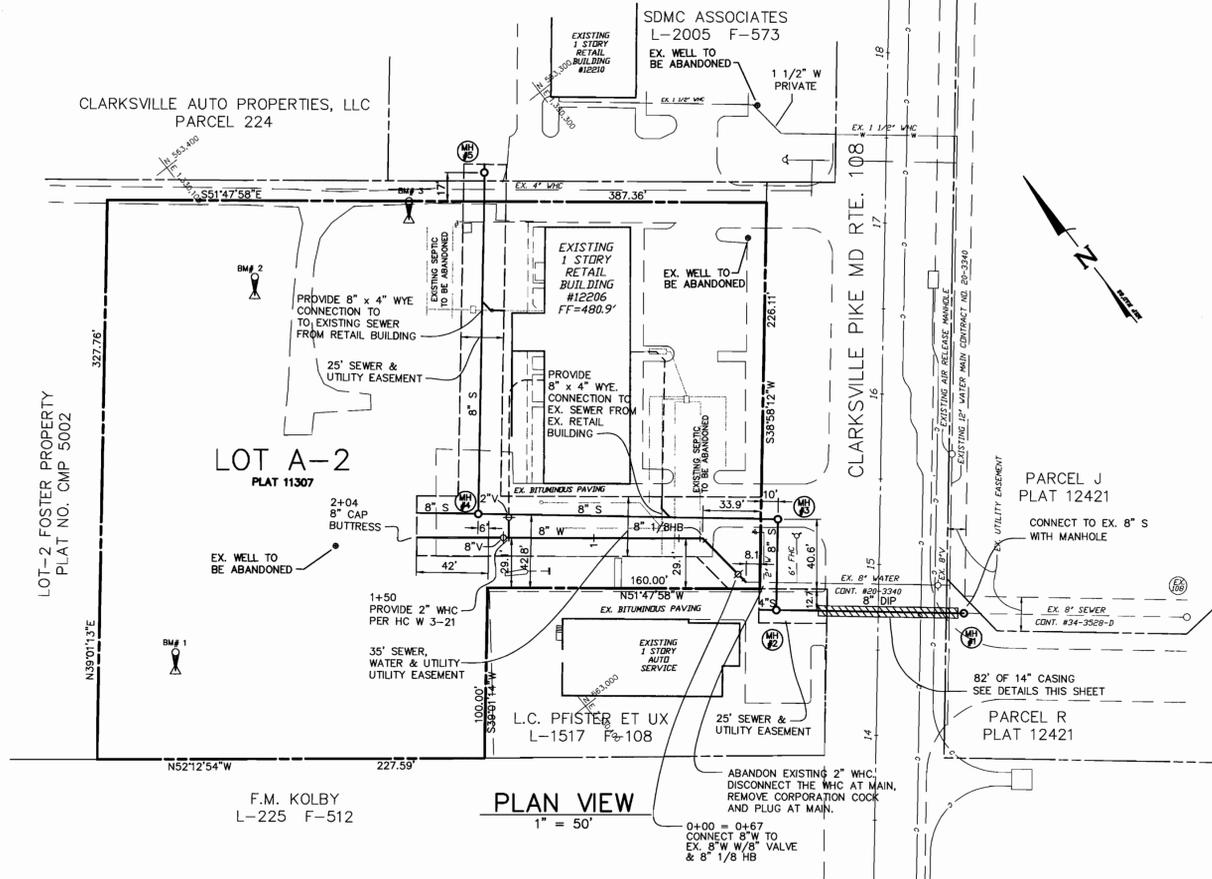


GENERAL NOTES

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- Contractor shall notify the following utility companies or agencies at least five (5) working days before starting work shown on these plans:
 - State Highway Administration 410-531-5533
 - BGE Contractor Services 410-850-4620
 - BGE Underground Damage Control 410-787-9068
 - Miss Utility 1-800-257-7777
 - Colonial Pipeline Co. 410-795-1390
 - Howard County Department of Public Works Bureau of Utilities 410-313-4900
- 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.
- 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.
- The contractor shall notify the Bureau of Highways, Howard County, at 410-313-2450 at least five (5) working days before any open cut of any County road or boring/jacking operation in County roads 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.
- All sewer main to be PVC unless otherwise noted.
- All sewer manholes to be precast. (See detail G.5.11 & G.5.12)
- All water mains to be D.I.P. Class 52 unless otherwise noted.
- Tops of all water mains to have a minimum of 3'-1/2' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
- Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be restrained on buttressed with concrete in accordance with the Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.
- The contractor shall not operate any water main valves on the existing water system.
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BENCH MARKS

- #1 RE-BAR & CAP ELEV. = 472.08'
- #2 RE-BAR & CAP ELEV. = 473.29'
- #3 RE-BAR & CAP ELEV. = 475.10'

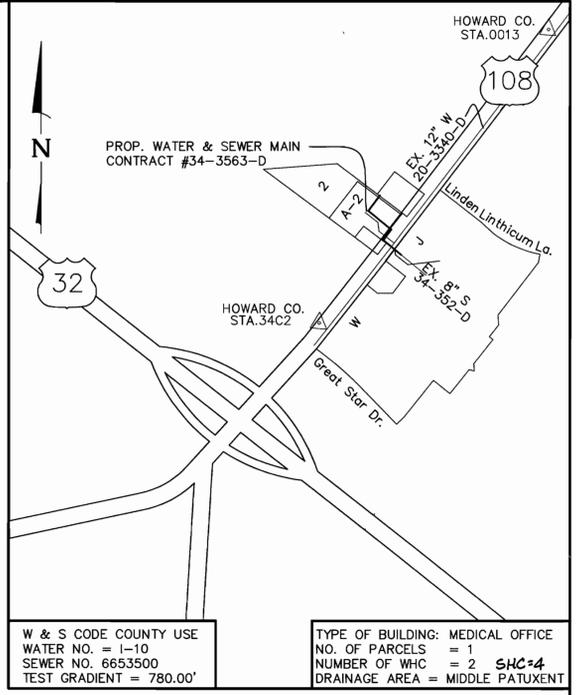
MATERIAL	ESTIMATED QUANTITIES	QUANTITIES	AS-BUILT TYPE	SUPPLIER
8" WATER	178'			
8" VALVE	2			
8" CAP	1			
8" 1/8 HB	2			
8" PVC SEWER PIPE	451'			
4" PVC SEWER PIPE	27'			
8" DIP SEWER PIPE	106'			
48" MANHOLE	5			
14" STEEL CASING	82'			

NAME OF UTILITY CONTRACTOR: _____

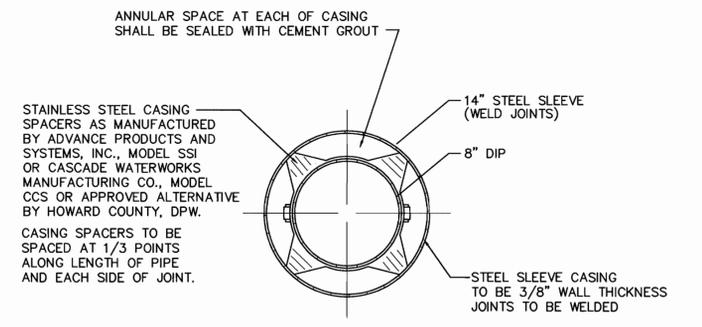
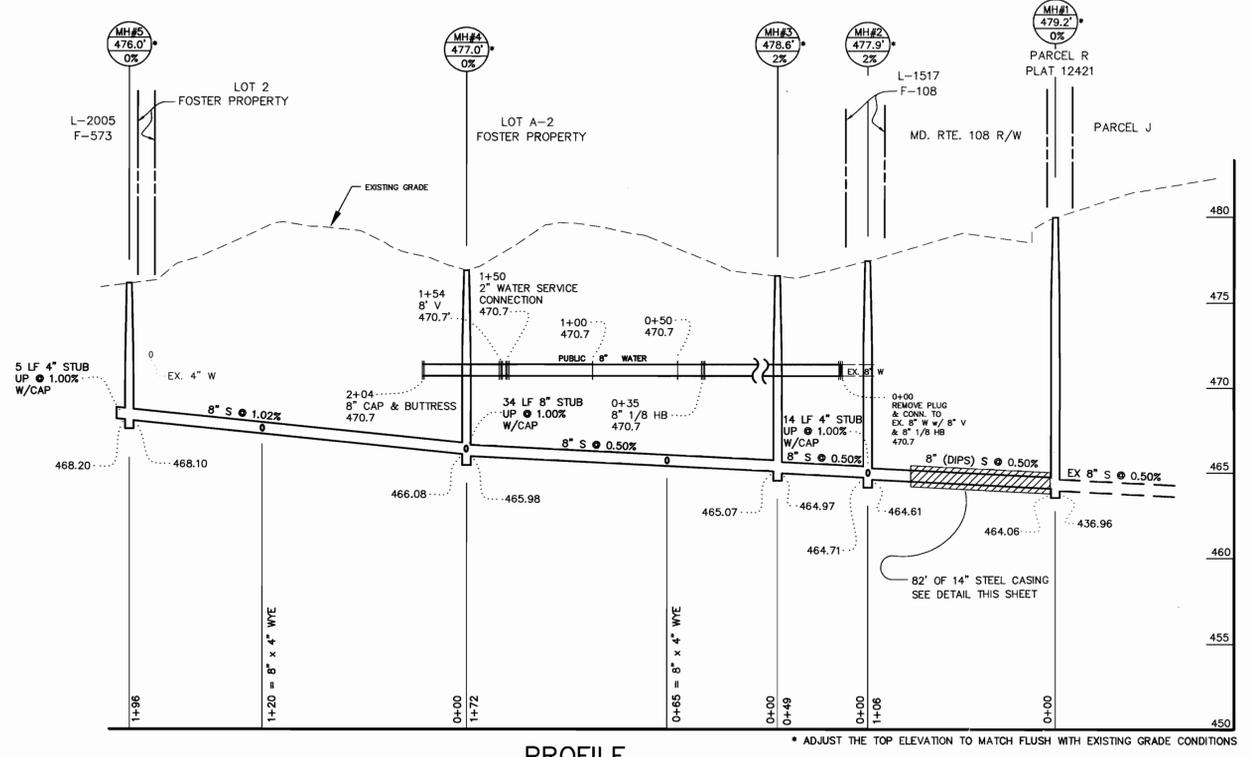
CHECK BOX: _____

AS-BUILT DATE: _____

SURVEY AND DRAFTING DIVISION: _____



VICINITY MAP
SCALE = 1" = 600'



STEEL CASING DETAIL
NO SCALE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND AS SHOWN ON GP-99-110

REVIEW FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Cheryl Simmons/GS 11/24/98
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John Selby 11/20/98
HOWARD SOIL CONSERVATION DISTRICT DATE

CALL "MISS UTILITY"
TELEPHONE 1-800-257-7777
FOR UTILITY LOCATIONS
AT LEAST 48 HOURS BEFORE
BEGINNING CONSTRUCTION

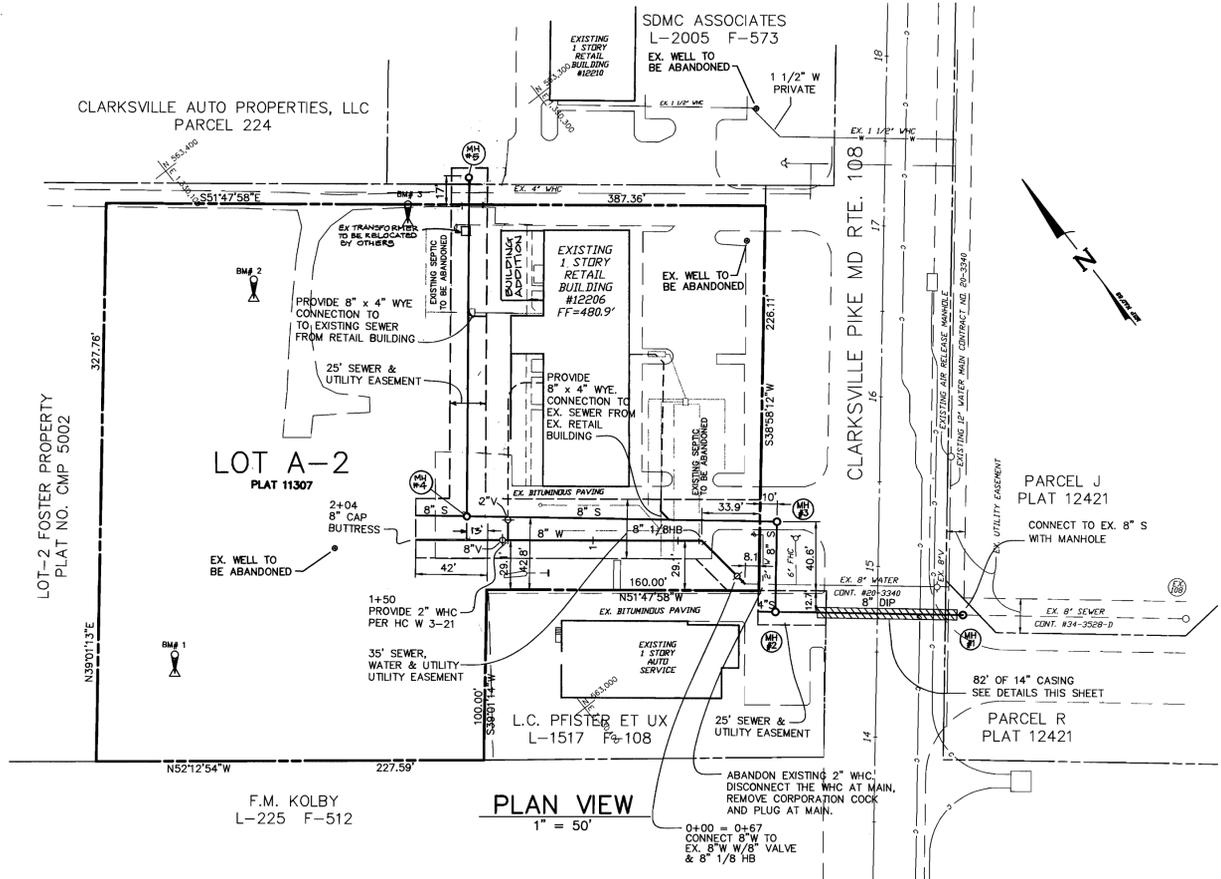
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Chief, Bureau of Utilities 11-19-98	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND Chief, Development Engineering Division 11-20-98	Macris, Hendricks and Glascock, P.A. Engineers • Planners • Surveyors Suite 120 9220 Wightman Road Gaithersburg, Maryland 20879 (301) 670-0840	DES: JAR/MDP DRN: MDP CHK: DATE: 11-12-98	WATER & SEWER MAIN 600 SCALE MAP NO. 34 BLOCK NO. 6	FOSTER PROPERTY LOT A-2 PLAT 11307 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 34-3739-D	SCALE AS SHOWN SHEET 1 OF 1
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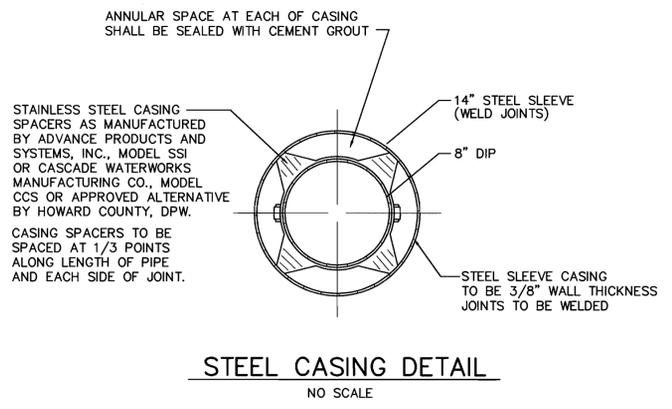
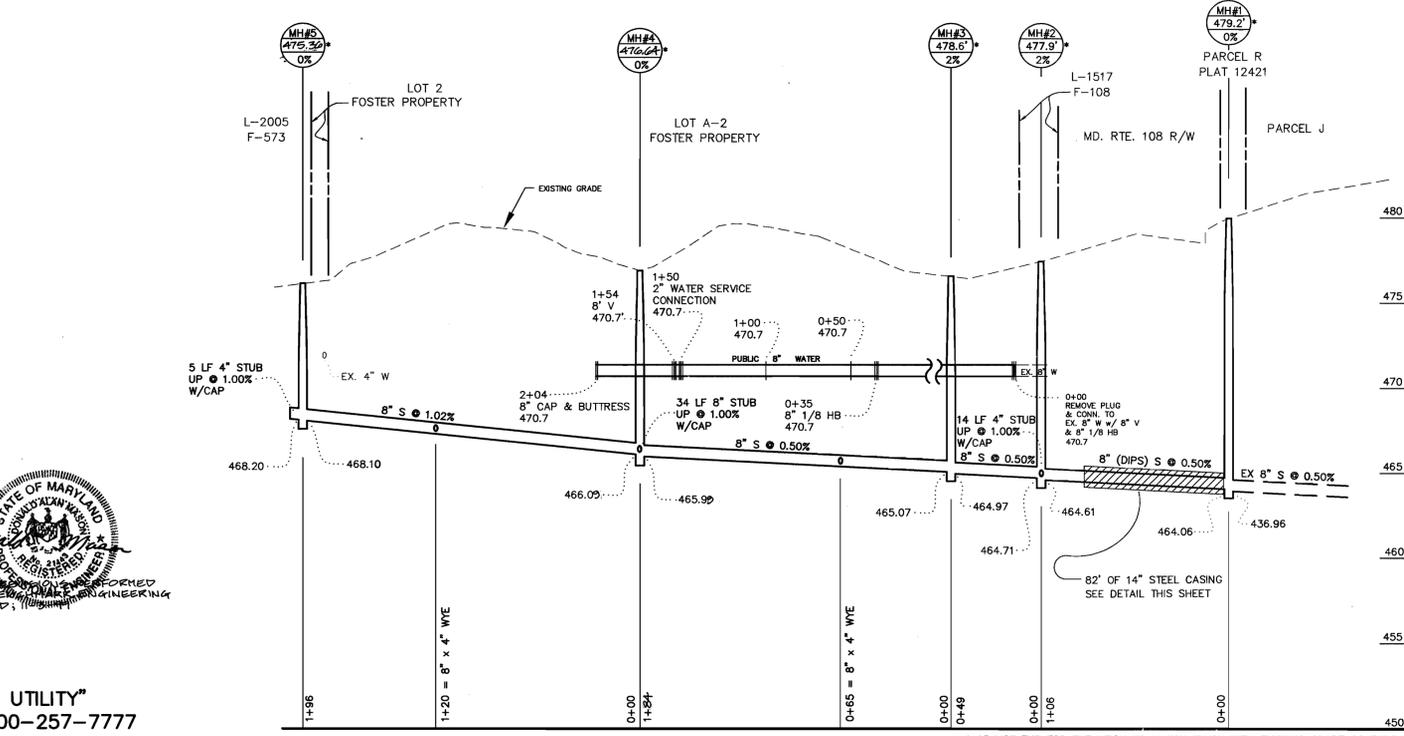
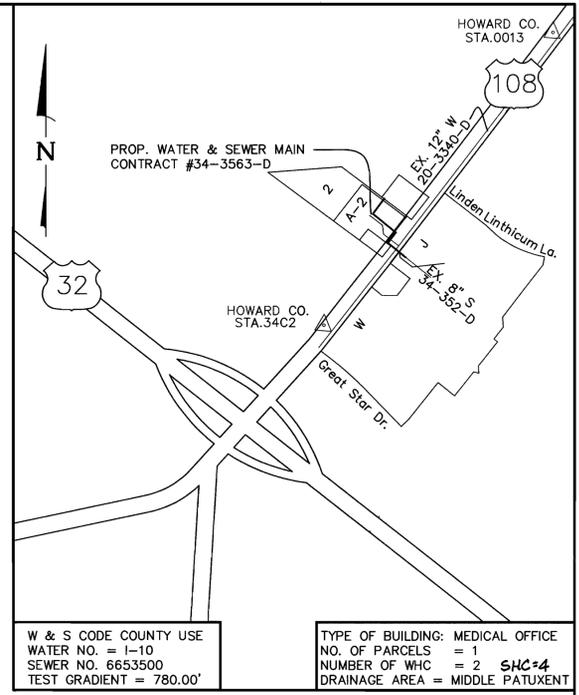
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NAME OF UTILITY CONTRACTOR: _____

CHECK BOX: _____

AS-BUILT DATE: _____

SURVEY AND DRAFTING DIVISION: _____



SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND AS SHOWN ON GP-99-110

REVIEW FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Carol Simmons 11/24/98
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

Guy S. Selig 11/20/98
HOWARD SOIL CONSERVATION DISTRICT DATE

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FOR UTILITY LOCATIONS
AT LEAST 48 HOURS BEFORE
BEGINNING CONSTRUCTION

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 11-19-98 CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND DATE: 11/20/98 CHIEF, DEVELOPMENT ENGINEERING DIVISION	Macris, Hendricks and Glascock, P.A. Engineers • Planners • Surveyors Suite 120 9220 Wightman Road Gaithersburg, Maryland 20878 (301) 670-0840	DES: JAR/MDP DRN: MDP CHK: DATE: 11-12-98 BY NO. REVISIONS	WATER & SEWER MAIN 600 SCALE MAP NO. 34 BLOCK NO. 6	FOSTER PROPERTY LOT A-2 PLAT 11307 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 34-3739-D	SCALE AS SHOWN SHEET 1 OF 1
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