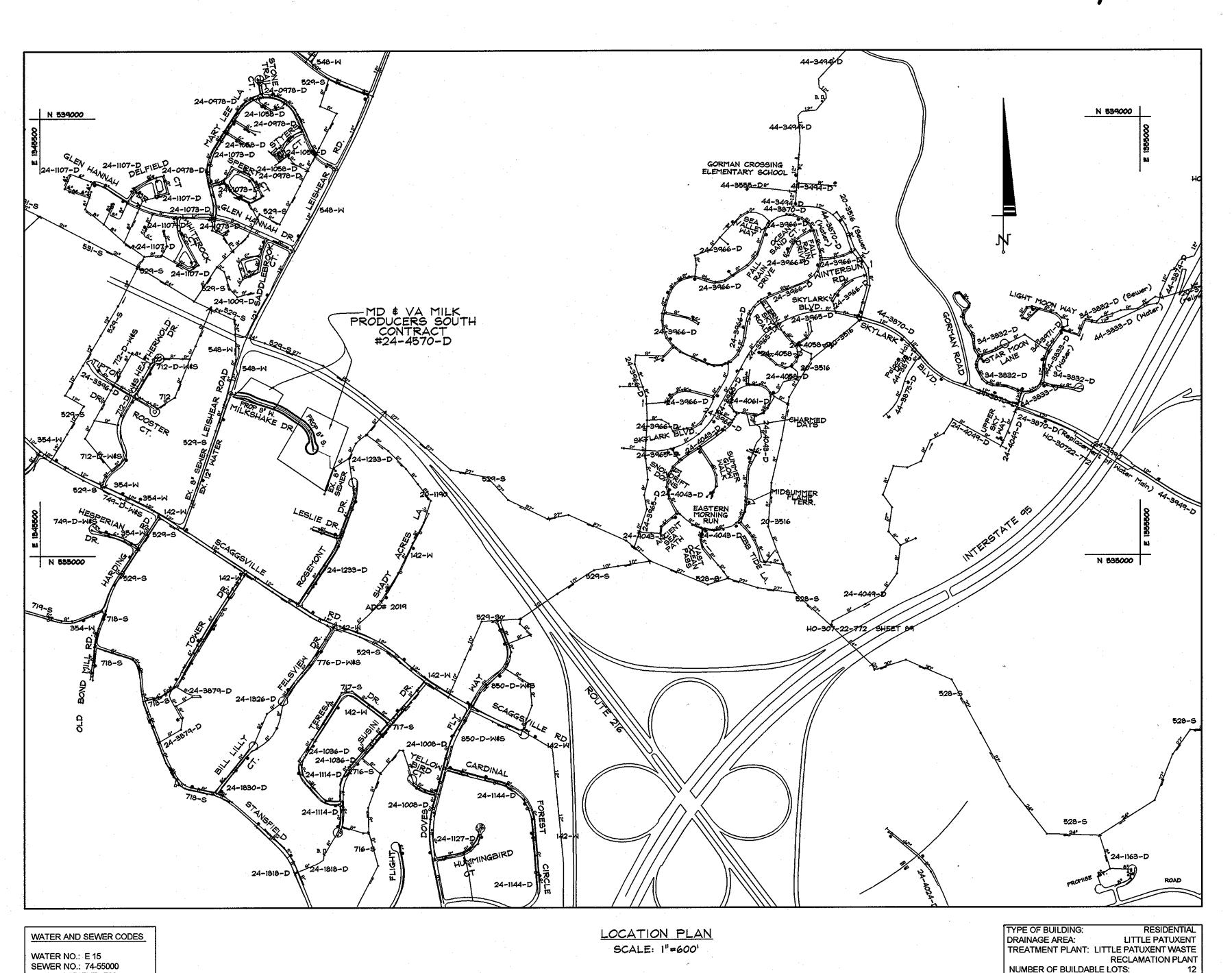
FINAL WATER AND SEWER CONSTRUCTION PLANS for MILK PRODUCERS-SOUTH

CONTRACT NUMBER 24-4570-D
6TH ELECTION DISTRICT HOWARD COUNTY, MD



DRAWING LEGEND

EX. SEWER LINE & MANHOLES, CLEAN-OUTS

PROP. 8" SEWIR PROPOSED SEWER AND MANHOLES

PROP. 18" SD PROPOSED STORM DRAIN W/

+ + G ROAD STATION

BOUNDARY LINE

- EXISTING PROPERTY BOUNDARY

- PROPOSED ROAD CENTERLINE

EX. ROAD / EDGE OF PAVING

EX. OVERHEAD ELECTRIC & UTILITY POLES

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

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 249 OF THE SPECIFICATIONS AND AS SHOWN ON F-09-061 308

1100147

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

CHIEF, BUREAU OF UTILITIES

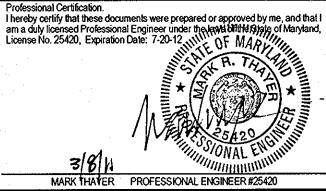
TATE CHIEF DEVELOPMENT ENGINEERING DIVISION

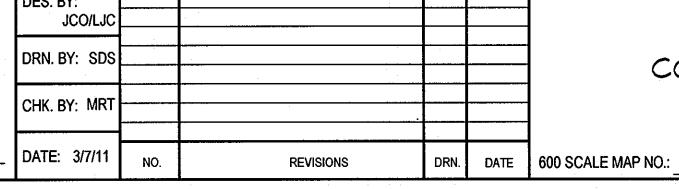
DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

ZONE: 550

TEST GRADIENT: 700







COVER SHEET

BLOCK NO.:

11 (1 TWN)

11 (1 TWN)

NUMBER OF SHC:

NUMBER OF WHC:

MATER & SEWER CONSTRUCTION PLANS

MD & VA MILK PRODUCERS SOUTH

LOTS 2-6, 8-14 & OPEN SPACE LOTS 1,7 & 15

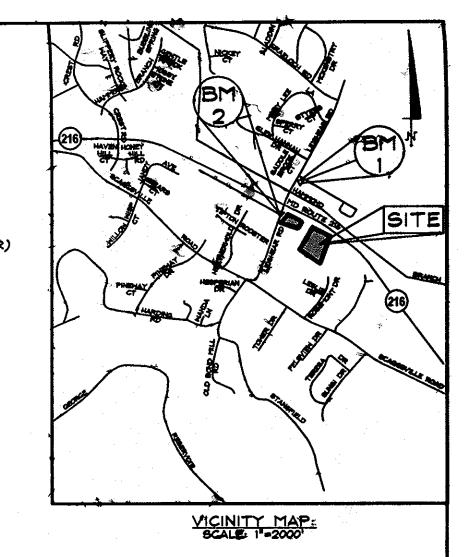
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
CONTRACT NO. 24-4570-D

BENCHMARK

DESCRIPTION

BENCHMARK #1 N 537149.8119 E 1347468.9693 B.M. 46FB (CONCRETE MONUMENT ELEV. 317.324

BENCHMARK #2 N 536597.4034 E 1347214.5476 B.M. DDC POINT #99 (1/2" STEEL REBAR)



GENERAL NOTES

- 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. Topographic field surveys were performed in November, 2007 by DeMario Design Consultants,
- Inc..

 3. 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. 47DC \$ 47EB. All vertical controls are based on NAVD '88.
- 4. All pipe elevations shown are invert elevations unless otherwise noted on the plans.
- 5. Clear all utilities by a minimum of 12 inches. Clear all poles by 5' 0" minimum or tunnel as required unless otherwise noted. 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 the bracing of additional poles or damages shall be deducted from monies 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 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.
- 7. Where test pits have been made on 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 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.
- 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:
- AT \$ T: 1-800-252-1133
 BGE (Construction Services): 410-850-4620
 BGE (Underground Damage Control): 410-787-9068
 Bureau of Utilities: 410-313-4900
 Colonial Pipeline Company: 410-795-1390
 Miss Utility: 1-800-257-7777
 State Highway Administration: 410-531-5533
 Verizon: 1-800-743-0033/410-224-9210
- 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 contractor.

 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 construction of the main.

 11. The contractor shall notify the Bureau of
- 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 DPM requirements per Section 18.114(a) of the Howard County Code.

WATER GENERAL NOTES

- 1.All water mains to be D.I.P. Class 54 unless otherwise noted.
- 2. Tops of all water mains to have a minimum of 3'-6" of cover unless otherwise noted.
- 3. Valves adjacent to tess shall be strapped to test
 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 installed in accordance with the Standard Details. The soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the Standard Specifications.

 6. The contractor shall not operate any water main
- valves on the existing water system.

 7. All water house connections shall be for outside meter setting unless otherwise noted on plans or in specifications.

SEWER GENERAL NOTES

- 1. All sewer mains shall be DIP or P.V.C unless otherwise noted.
- 2. All manholes shall be 4' 0" inside diameter unless otherwise noted.
- 3. Force mains shall be D.I.P. only.
 4. 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
- 6. House(s) with the symbol "C.N.S." indicates that the cellar cannot be served.

OWNER/DEVELOPER

SCALE:

SHEET

OF 3

MD & VA MILK PRODUCERS ASSN., INC.

C/O THOMAS BARBUTI

WHITEFORD TAYLOR & PRESTON, LLP

7 SAINT PAUL STREET

BALTIMORE, MD 21202

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