



LOCATION MAP SCALE: 1" = 600'

NOTES:

- "I. At Existing 16" Dia. Water Line
- Elevation Top of Pipe 415.69 2. At Existing 6" Dia. Gas Line Elevation Top of Pipe 415.00
- 3. Elevation Top of 4" Dia. WHC At Caped End 3'-0" Below Finished
- Floor Elevation of Bldg. (Lover Level). 4. Water Line 5'2" To Ward Road
- From 6" Dia. Gas Line.
- 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 uninterupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer at the Contractor's expenses.
- 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 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 ccompanies 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 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 Manuals, Vol. 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 the construction operations at his own expense
- 8. Contractors 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 BG&E Co. Contractor Services 850-4620 787-9068 BG&E Co. Under Ground Damage Control Miss Utility 1 800 257-7777 Colonial Pipeline Co. 795-1390 Howard County Department of Public Works

Bureau of Utilities 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

 Contractors 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
- 12. Tops of all water mains to have a minmum of 3 1/2' cover otherwise noted.
- 13. Valves adjacent to tees shall be strapped to tees.
- 14. All fiitings 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 burry line elevations shown on the drawings. All fire hydrants shall be restrained in accordance with detail W.1-11 & W.2-13. 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 existing water system.
- 17. All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.
- 18. The contractor shall provide a jointin all sewer mains with in 2'-0" of exterior manhole wall.
- 19. All manholes shall be 4'-0" inside diameter unless other-
- wise noted.
- 20. Force mains shall be D.I.P. only

by the contractor.

- 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 Details 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.

BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OWNER DEVELOPER

78.93

10-21-93

\$ PROFILE WATER MAIN

CONTRACT X 24-3245 - D

SHANGRILA

MONTESSORI SCHOOL, RELIGIOUS FACILITY & ELDERLY HOUSING

TAX MAP 30,31 PARCEL 579 2nd ELECTION DIST., HOWARD CO. MD.

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DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

0+00

405

400

CHIEF , LAND DEVELOPMENT DIVISION DATE

PROPOSED 8" WATER

VER. 1" = 5"

SCALE: HOR. 1" = 50"

1+00

boria engineering inc. 3230 Bethany Lane, Suite 4 Ellicott City, Maryland 21043 Tel. (301) 465-0400

-8"x6" reducer

DES: MLL DRN: AVG CHK: MLL SS/ONAL

(SDP-92-91)

THIS PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL

REVISED 20' PUBLIC WATER & UTILITY EASEMENT TO SHOW ABANDONMENT; SHOW PROP 6" PRIVATE WATER LINE; SHOW PROP 15" RCCP ON PROPILE; REV. WATER LINE FROM STA. 2130 to STA. 2155 MCR DATE: 4-6-92 BY NO. REVISION DATE 600 SCALE MAP NO. ___

REVISED 2" WHC TO 4" WHC

REVISED LIMIT OF CONTRACT

BLOCK NO.

DEVELOPMENT PLANNERS, INC.

10495 FAIROAKS

COLUMBIA, MD. 21044

AS-BULT 12/1/93

SCALE

AS

SHOWN

SHEET