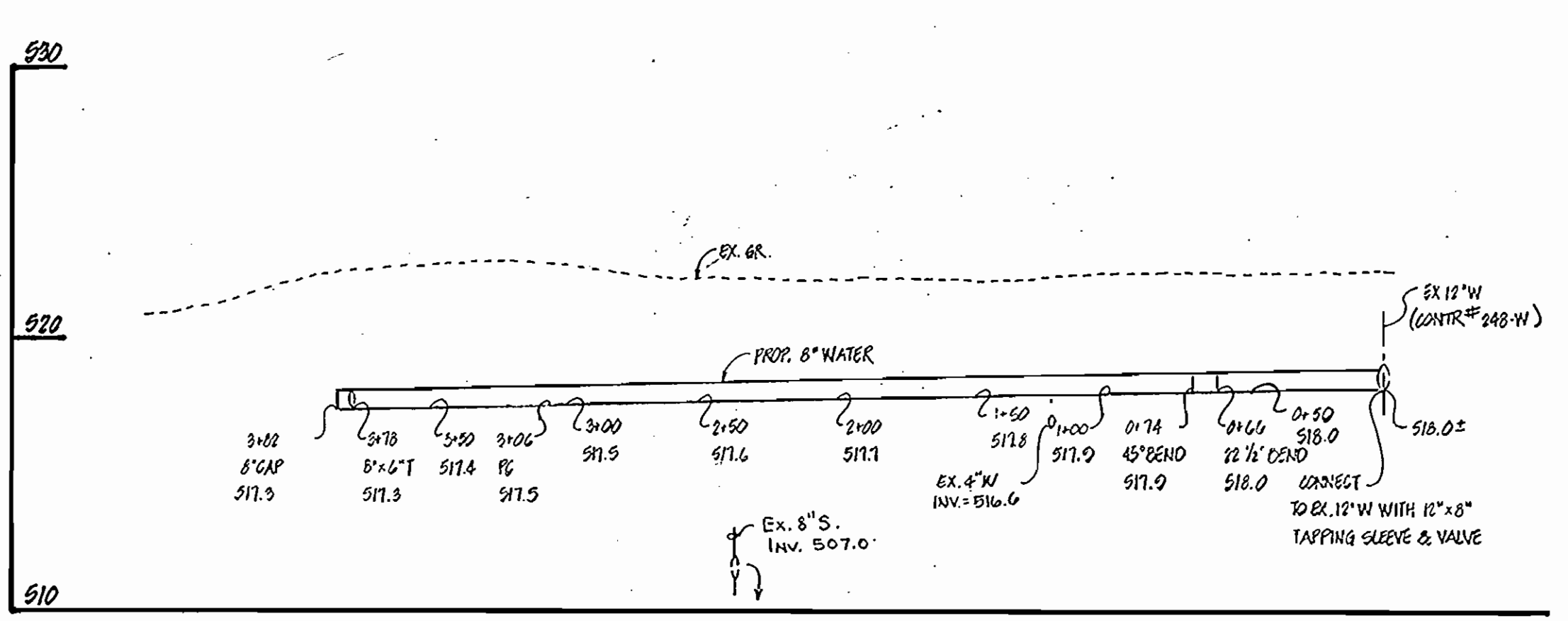


VICINITY MAP  
SCALE: 1" = 100'

- GENERAL NOTES**
- 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.
  - All horizontal controls are based on Maryland State Coordinates.
  - All vertical controls are based on U.S.C.S. data.
  - All pipe elevations shown are invert elevations.
  - Clear all utilities by a minimum of 6".
  - For details not shown on the drawings, and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Details for Construction. The contractor shall have a copy of Volume IV on the job.
  - 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 verified by the Contractor to his own satisfaction. Any damage to existing facilities due to the Contractor's negligence shall be repaired at the Contractor's expense.
  - Contractor shall notify the following utilities 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 561-2585
    - Baltimore Gas & Electric Co. Under Ground Damage Control - 234-5621
    - Baltimore Gas & Electric Co. Trouble Shooting - 298-9013
    - Miss Utility - 1-559-0100
    - Colonial Pipeline Co. - 795-1390
    - Bureau of Utilities, Howard County Department of Public Works - 992-2366
  - 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.

- WATER NOTES**
- 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 trees shall be strapped to trees.
  - All fittings shall be buttresses 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 strapped and buttressed with concrete accordance with Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 1003 the Standard Specifications.
  - The contractor shall not operate any water main valves on the existing water system.
  - All water house connections shall be for inside meter setting, unless otherwise noted on the plans or in the Specifications.
  - SERVICE CAMPS ARE TO HAVE STAINLESS STEEL STRAPS.



PROFILE  
HORIZ: 1" = 50'  
VERT: 1" = 5'

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE NO. 15 OF THE SPECIFICATIONS AND WITH 92P. 80-103  
SEDIMENT & EROSION CONTROL

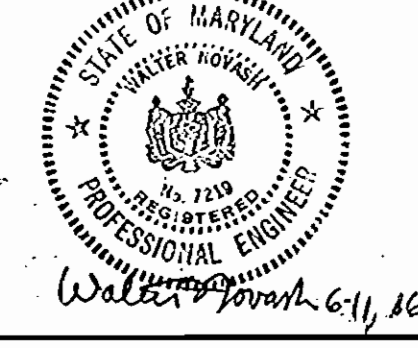
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
U.S. SOIL CONSERVATION SERVICE  
DATE: 10-16-80

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

APPROVED:  
Stephen L. Hahn 10/16/80  
HOWARD SCD DATE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
DIRECTOR OF PUBLIC WORKS: 10-21-80  
CHIEF, BUREAU OF ENGINEERING: 10-21-80  
CHIEF, BUREAU OF UTILITIES: 10-21-80  
CHIEF, LAND DEVELOPMENT DIV.: 10-21-80

boender associates inc.  
consulting engineers  
land surveyors  
land planners  
COURTHOUSE SQUARE  
3565 ELLICOTT MILLS DRIVE  
ELLICOTT CITY, MD. 21043  
301-411-7777



DES: WJG	
DRN: DR	
CHK: WJG	
DATE: JUNE, 1980	
BY: NO.	REV: SION
	DATE

PLAN AND PROFILE  
CONTRACT NO. 24-1540-D

WATER MAIN EXTENSION  
COLUMBIA COMMUNITY CHURCH  
6TH ELECTION DISTRICT  
CONTRACT NO. 24-1540-D  
TAX MAP: 30  
SCALE: AS SHOWN  
SHEET: 1 OF 1  
AS-BUILT

QUANTITIES			
ITEM	ESTM'D	AS-BUILT	MATERIAL / SUPPLIER
11" x 8" T&V	1	1	M&H VALVE CO.
8" W	378L.F.	378	CORRETT PIPE CO.
PH	1	1	M&H VALVE CO.
3/4" WHV	10		M-D-K
6" SHC	15		