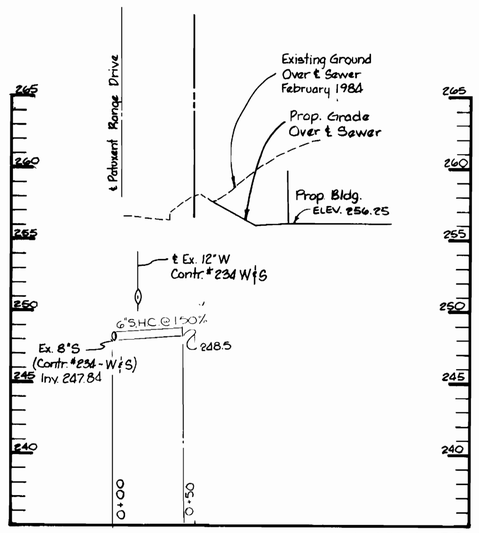
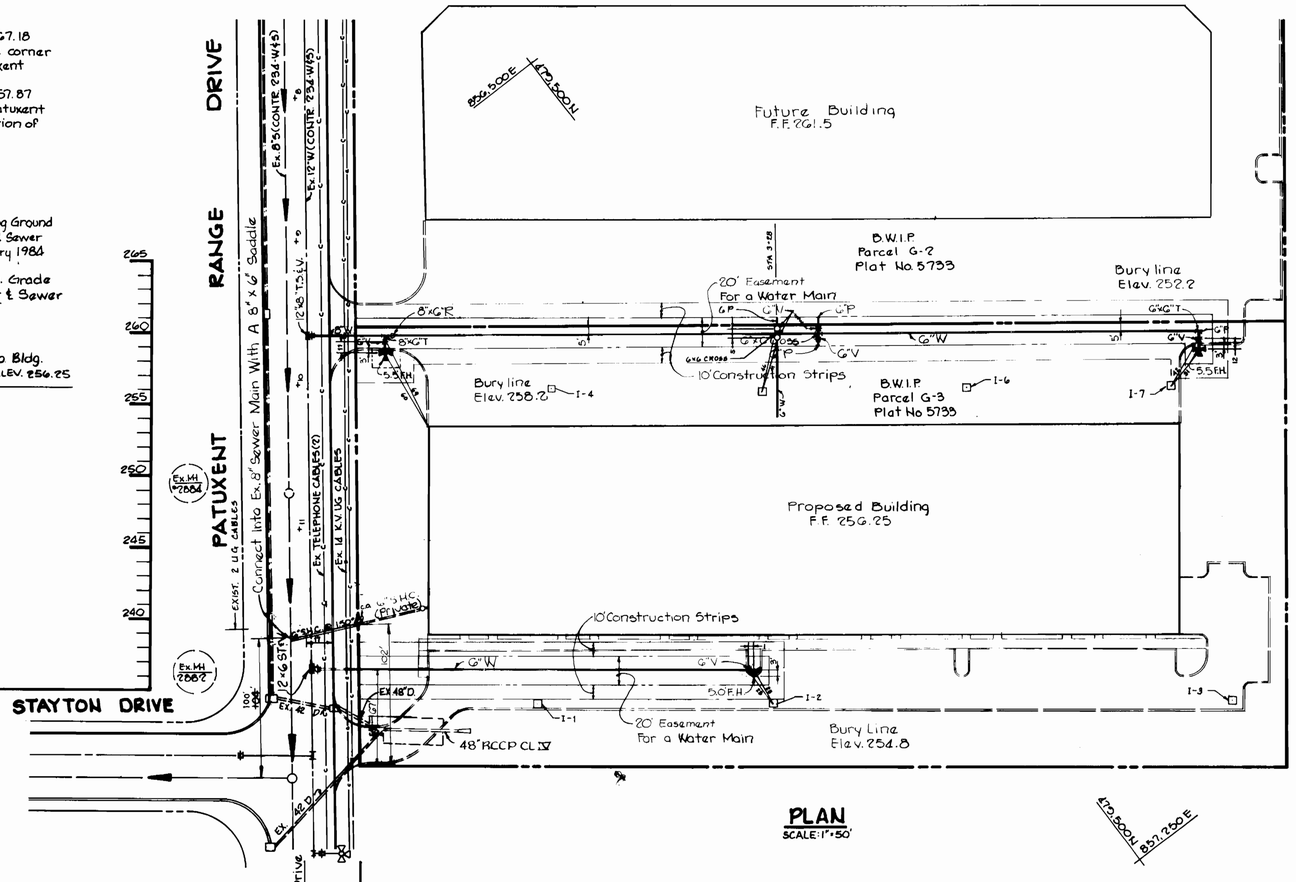
BENCH MARKS

B.M. #1 Elev. 267.18
Top of Fire Hydrant at the corner of Bristol Court and Patuxent Range Drive.
B.M. #2 Elev. 257.87
Prop. pipe on left side of Patuxent Range Drive near intersection of Stayton Drive



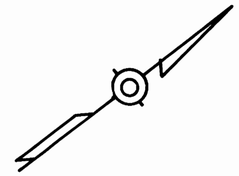
PROFILE

Scale: Horiz: 1"=50'
Vert: 1"=5'



PLAN

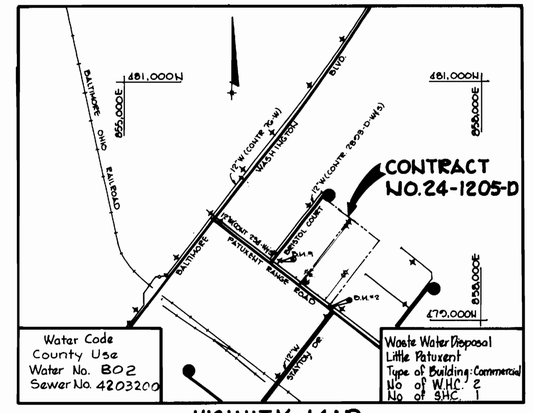
SCALE: 1"=50'



B.W.I.P. Parcel L Plat No. 5687

472,750 N 857,250 E

472,500 N 857,250 E



VICINITY MAP

SCALE: 1"=600'

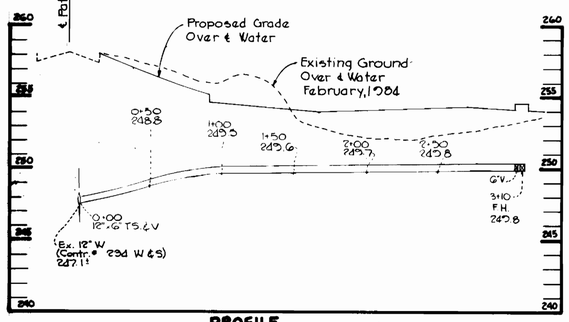
GENERAL NOTES

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. Datum.
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. Any cost incurred to the contractor for tunneling or bracing of poles shall be included in unit priced bid for excavation and backfill.
6) For details not shown on the drawings use Howard County Standard Details.
7) For materials and construction methods use Howard County Standard Specifications.
8) Contractor shall locate existing utilities a minimum of two (2) weeks in advance of construction operations in the vicinity of proposed utilities at his own expense.
9) Contractor shall notify the following utilities or agencies at least five (5) working days before starting work shown on these plans:
   a) State Highway Administration - 531-5533
   b) Baltimore Gas & Electric Company - Underground Electric Distribution Customer Service - 685-0123
   c) Baltimore Gas & Electric Company - Underground Gas Distribution Customer Service - 685-0123
   d) Engineering - Damage Control - 234-5621
   e) Miss Utility - 1-559-0100
   f) Chesapeake & Potomac (C&P) Telephone Company - 725-0076
   g) American Telephone & Telegraph - Cable Location Division - 393-3553
   h) Colonial Pipeline Company - 781-4641
   i) Bureau of Utilities Howard County - 992-2566
10) Trees are to be protected from damage to maximum extent. Trees located within the construction strips are not to be removed or damaged by the contractor.
11) Contractor shall remove trees, stumps and roots along line of excavation as directed by the Engineer. Payment for such removal be included in the unit price bid for excavation and backfill.
12) Place regulation "Man Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control For Highway Construction and Maintenance Operations.
13) All water mains to be D.I.P. unless otherwise noted.
14) Top of all water mains to have a minimum of 3½' cover unless otherwise noted.
15) Valves adjacent to tees shall be strapped to tees.
16) Block all fittings with concrete.
17) Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with standard details. Soil around fire hydrant to be compacted in accordance with Section 37.01 & 37.05 of the Standard Specifications.
18) All water house connections shall be for inside meter setting.
19) The contractor shall not operate any water main valves on the existing system.
20) For all copper water house connections utilize flared type fittings only.
21) Profile stations shall be adjusted as necessary to conform to plan dimensions.
22) No pipe shall be laid until lines of excavation have been brought to subgrade.
23) All sewer mains shall be C.S.P.X., V.C.P.X., P.V.C. or A.C.P. Class 2400 unless otherwise noted
24) All sanitary sewer house connections shall have a minimum vertical clearance of 12" below all water main crossings

QUANTITIES			
ITEM	ESTIMATED	AS BUILT	MATERIAL/SUPPLIER
6"W	877 L.F.	969 L.F.	/ATLANTIC STATES
6"V'S (excl. F.H. V's)	2	2	C.I./MUELLER CO.
Fire Hydrants	3	3	C.I./MUELLER CO.
12"x8" T.S.&V.	1	1	C.I./MUELLER CO.
6"S	57 L.F.	57 L.F.	P.V.C./CERTAIN TEED
8"W	57 L.F.	58 L.F.	D.I.P./
12"x6" T.S.&V.	1	1	C.I./MUELLER CO.

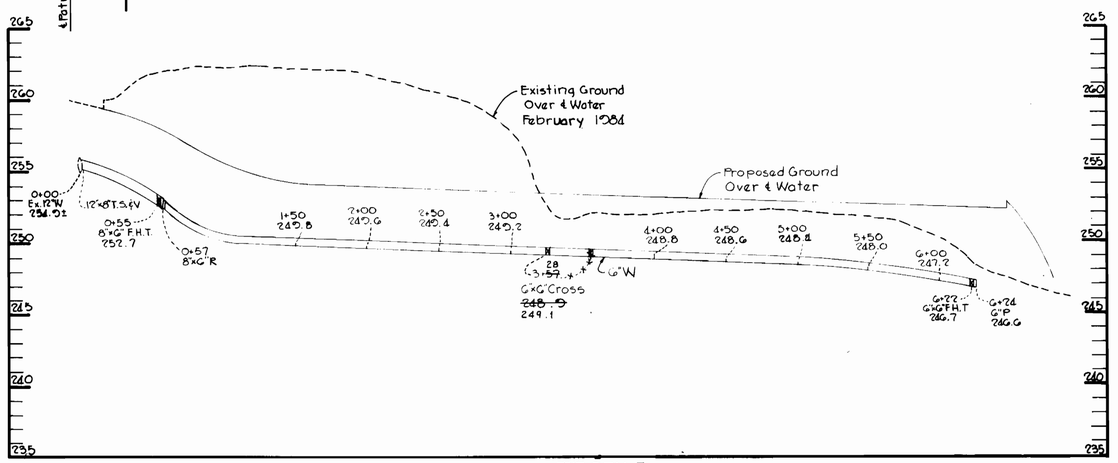
PROFILE

Scale: Horiz: 1"=50'
Vert: 1"=5'



PROFILE

Scale: Horiz: 1"=50'
Vert: 1"=5'



Sediment control measures for this contract will be implemented in accordance with article 15 of the specifications and S.D.P.-84-228.

Howard Soil Conservation District:
Reviewed for Howard Soil Conservation District and meets technical requirements.

James Helman IE 5-14-84
U.S. Soil Conservation Service Date

This plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

Robert W. Graham 5-14-84
Howard Soil Conservation District Date

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Henry F. Nemmers 5-15-84
DIRECTOR OF PUBLIC WORKS DATE

Robert M Beringer 5-14-84
CHIEF, BUREAU OF UTILITIES DATE

Robert E. Cook & Ray 5-15-84
CHIEF, BUREAU OF ENGINEERING DATE

CHIEF, LAND DEVELOPMENT DATE

THE RIEMER GROUP, INC.
8659 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

STATE OF MARYLAND — ARTHUR E. MUEGGE — No. 6767 — REGISTERED PROFESSIONAL ENGINEER
ARTHUR E. MUEGGE DATE 4-20-84

DES: V.L.S.
DRN: D.A.M.
CHK:
DATE: 3/9/84

BY	NO.	REVISION	DATE

PLAN AND PROFILE OF A WATER AND SEWER MAIN

600' SCALE MAP NO. 48 BLOCK NO.

BALTIMORE WASHINGTON INDUSTRIAL PARK
SEC. 1-BLK E, PARCEL G-3
6TH ELECTION DISTRICT
HOWARD COUNTY MARYLAND
CONTRACT NO. 24-1205-D

SCALE AS SHOWN

SHEET 1 OF 1

AS-BUILT AUG. 29, 1984

April 20, 1984