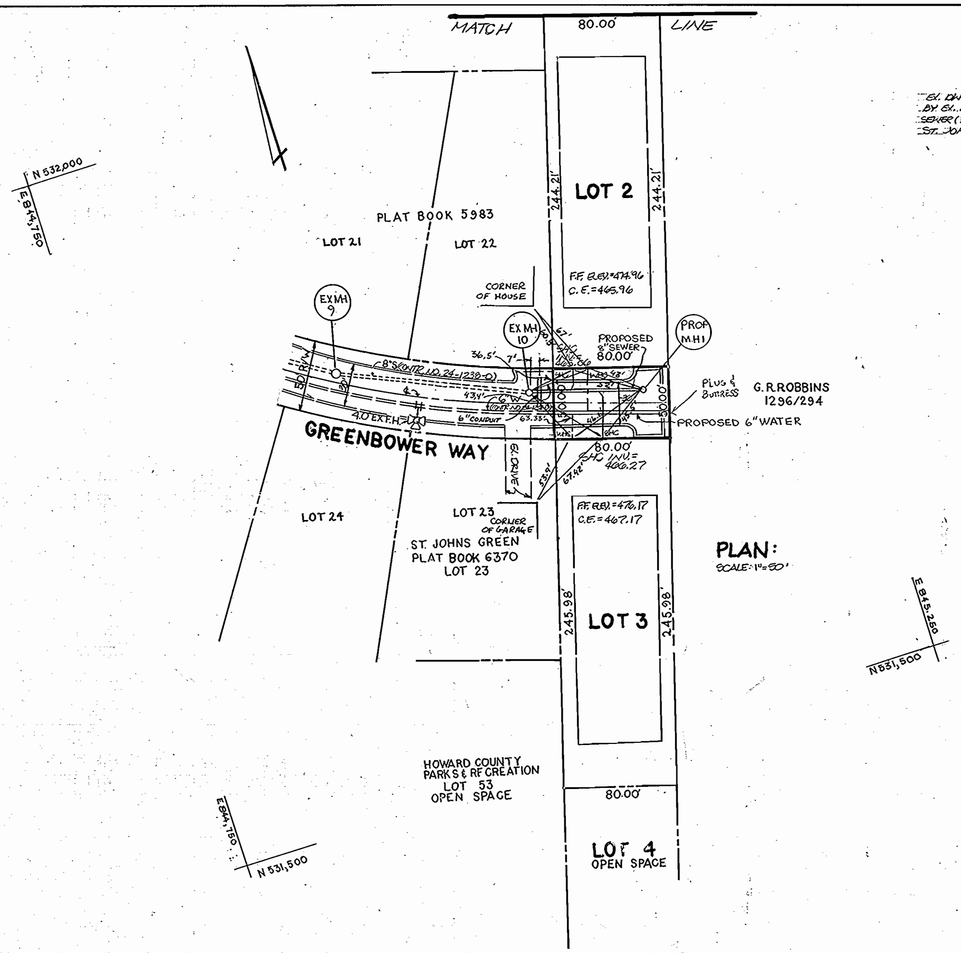
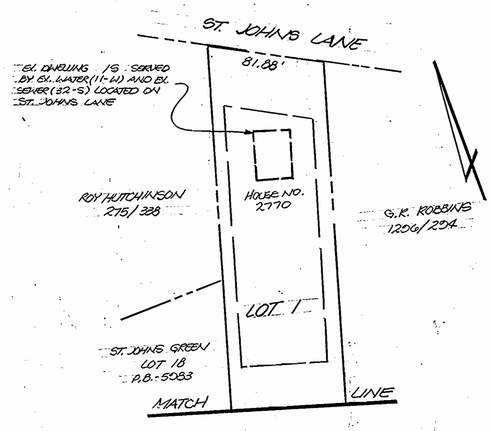


PLAN:
SCALE: 1"=50'



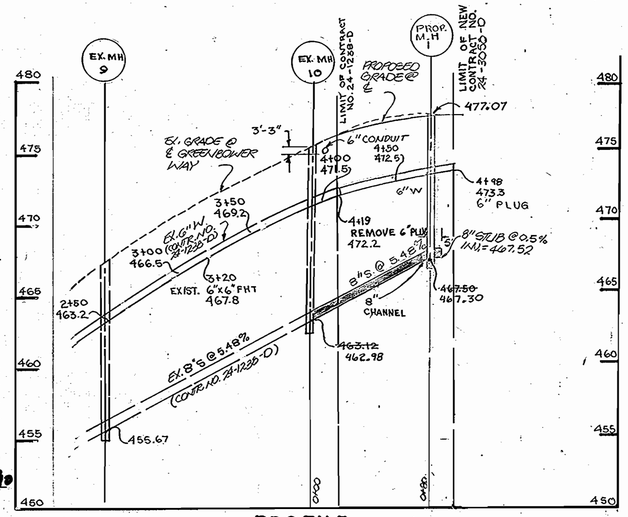
GENERAL NOTES:

1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE INSPECTOR, AT THE CONTRACTORS EXPENSE.
2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATE SYSTEM.
3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATION.
5. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2' MINIMUM OR TUNNEL AS REQUIRED. ANY COST INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT THE POLE SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIN.
6. FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS, 1989, AMENDMENTS, UNLESS OTHERWISE NOTED.
7. FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

B.G. & E. CO. - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE:	685-0123
B.G. & E. CO. - UNDERGROUND ELECTRICT DISTRIBUTION CUSTOMER SERVICE:	685-0123
STATE HIGHWAY ADMINISTRATION:	531-5533
"MISS UTILITY":	880-0100
CHESAPEAKE & POTOMAC (C.&P.) TELEPHONE COMPANY:	725-0076
AMERICAN TELEPHONE & TELEGRAPH - CABLE LOCATION DIVISION:	323-5553
COLONIAL PIPELINE COMPANY:	781-4641
BUREAU OF UTILITIES, HOWARD COUNTY:	313-4500

9. 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.
10. TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
11. CONTRACTOR SHALL REMOVE TREES, STUMPS & ROOTS ALONG LINE OF EXCAVATION AS DIRECTED BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE PRICE BID FOR CONSTRUCTION OF THE MAIN.
12. PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH THE MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
13. 8" SEWER MAIN SHALL BE C.S.P.X., R.C.S.P., P.V.C., V.C.P.X. OR UNLESS OTHERWISE NOTED.
14. CONTRACTOR SHALL PROVIDE A JOINT IN THE SEWER MAIN WITHIN 2' OF EXTERIOR MANHOLE WALLS.
15. ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
16. ALL WATER MAINS SHALL BE D.I.P., CLASS 52.
17. TOP OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3½' COVER UNLESS OTHERWISE NOTED.
18. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
19. BLOCK ALL FITTINGS WITH CONCRETE.
20. ~~BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED & BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 3.01 & 3.05 OF THE STANDARD SPECIFICATIONS.~~

NOTE: SEDIMENT CONTROL MEASURES OF THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 210 OF THE STANDARDS & SPECIFICATIONS FOR ROAD CONSTRUCTION PLANS - F-00-160.



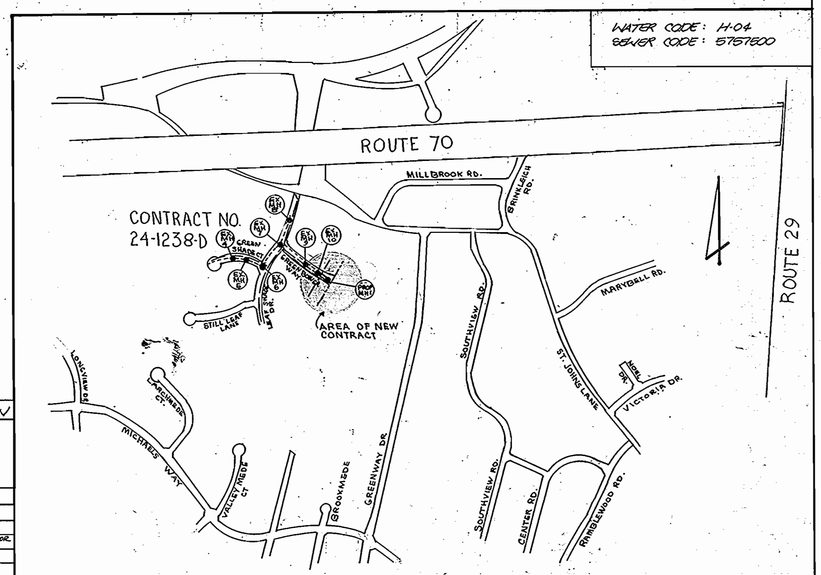
PROFILE
SCALE: HORIZ: 1"=50'
VERT: 1"=5'

DRAINAGE AREA: PATAPSCO VIA 108 PUMPING STATION
W.H.C.: 2
S.H.C.: 2
NO. LOTS: 4
BUILDABLE LOTS: 3
INFORMATION BLOCK

ITEM	ESTM'D	AS-BUILT	MATERIAL/SUPPLIES
3/4" W.H.C.	50 LF	50 LF	TYPE K / MUNICIPAL & CONTRACTOR SALES
6" WATER MAIN	80 LF	80 LF	D.I.P CLASS 52 / DITTO
SEWER M.H.	1 EA.	1 EA.	PRE-CAST / ATLANTIC CONC.
4" S.H.C.	50 LF	61.5 LF	SDR 35 / MUNICIPAL & CONTRACTOR SALES
8" SEWER MAIN	80 LF	80 LF	SDR 35 / DITTO

QUANTITY CHART

WATER CODE: 14-04
SEWER CODE: 5757600



VICINITY MAP
SCALE 1" = 600'

NOTE: REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

James M. Helm (C.S.) 12/12/90
U.S. SOIL CONSERVATION SERVICE DATE

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

SOIL CONSERVATION DISTRICT 12/12/90 DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

12/17/90		12-17-90	
DIRECTOR OF PUBLIC WORKS	DATE	CHIEF BUREAU OF ENGINEERING	DATE
12-7-90		12/14/90	
CHIEF BUREAU OF UTILITIES	DATE	CHIEF, LAND DEVELOPMENT DIVISION	DATE

Boender Associates
ENGINEERS · PLANNERS · SURVEYORS
3230 BETHANY LANE
ELLICOTT CITY, MD. 21043
(301) 465-7777

STATE OF MARYLAND — CHARLES WM. BOENDER — REGISTERED PROFESSIONAL ENGINEER

DES.: J.C.O.				
DRN.: M.J.S./J.C.O.				
CHK.:				
DATE: AUGUST, 1990	BY	NO.	REVISION	DATE

WATER & SEWER
PLAN & PROFILE

BOONE SUBDIVISION LOTS 1-4
2ND ELECTION DISTRICT
CONTRACT NO. 24-3058-D

SCALE: AS SHOWN
SHEET: 1 OF 1

AS-BUILT 1/27/93

J# 89118