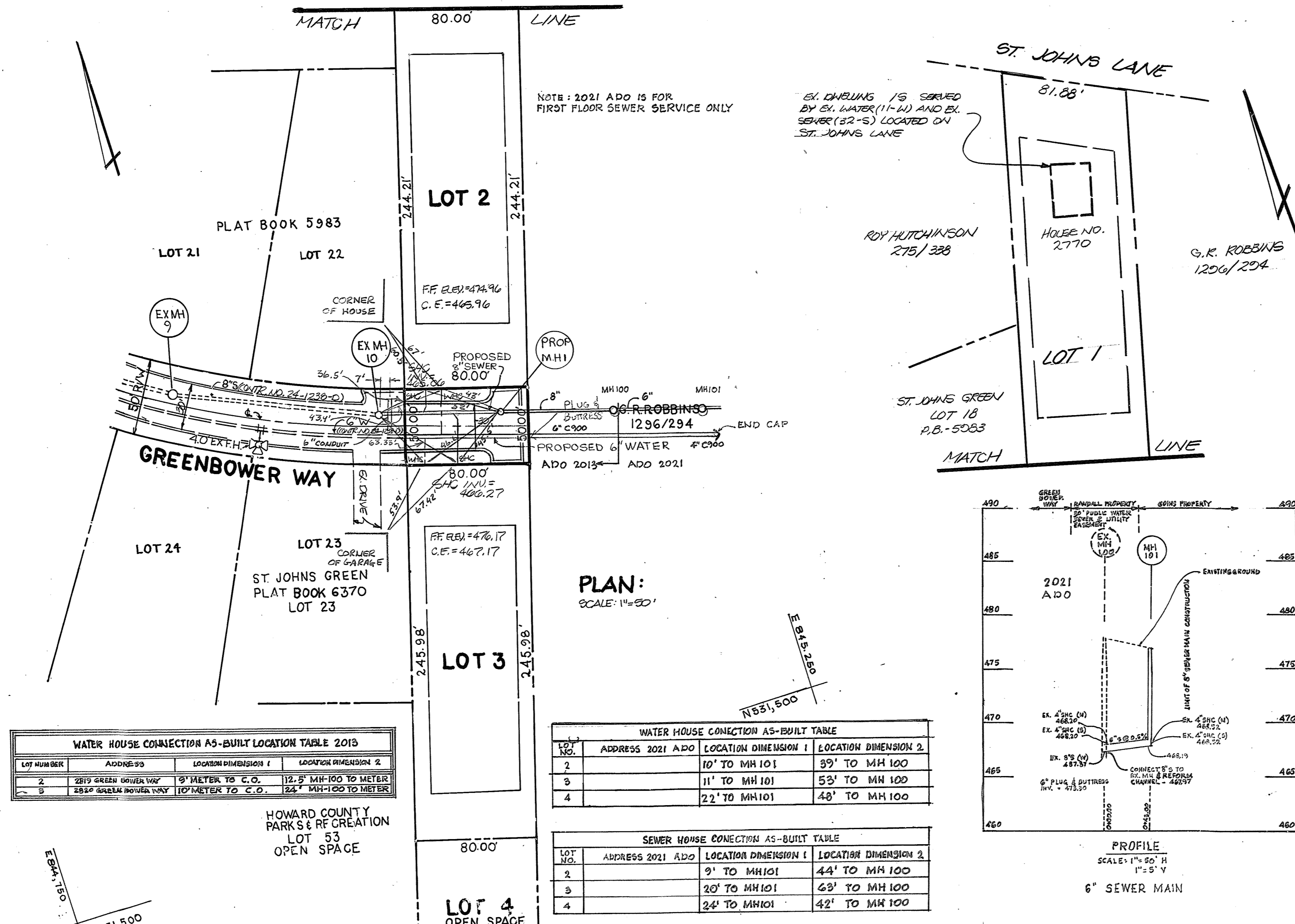


**GENERAL NOTES:**

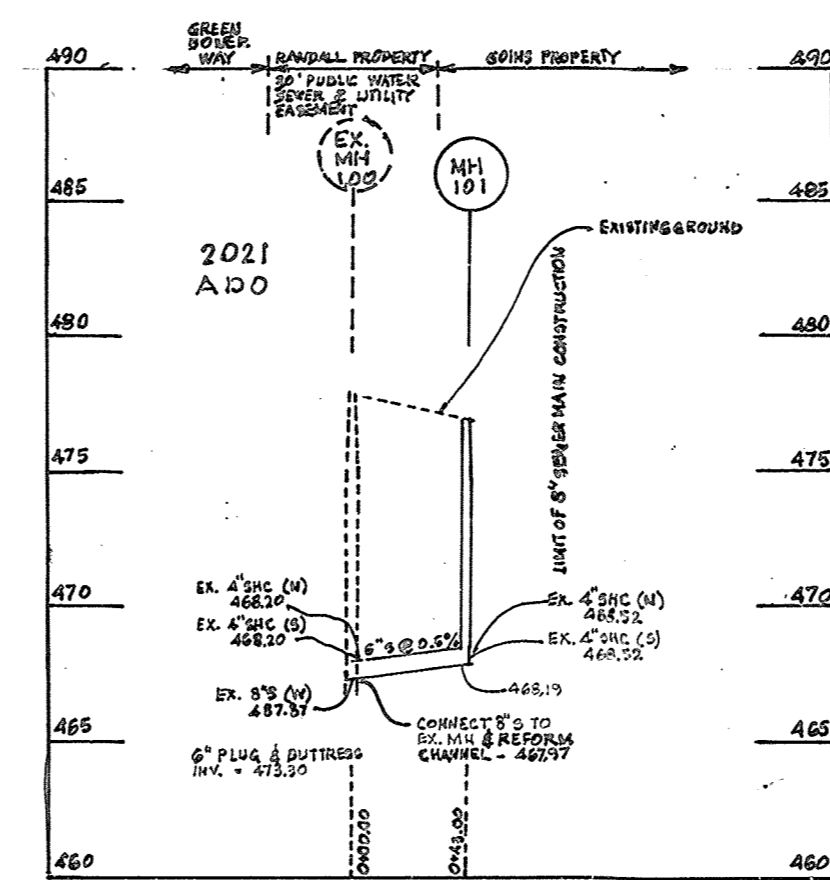
- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE AGENCIES AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATE SYSTEM.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- ALL FIRE ELEVATIONS SHOWN ARE INVERT ELEVATION.
- 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.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS, 1989 AMENDMENTS, UNLESS OTHERWISE NOTED.
- FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
- 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 ELECTRIC DISTRIBUTION CUSTOMER SERVICE: 685-0123
  - STATE HIGHWAY ADMINISTRATION: 531-6533
  - "M&S UTILITY": 280-0100
  - CHEAPCHASE & POTOMAC (C.F.P) TELEPHONE COMPANY: 725-5976
  - AMERICAN TELEPHONE & TELEGRAPH - CABLE LOCATION DIVISION: 303-2553
  - COLONIAL PIPELINE COMPANY: 781-4641
  - BUREAU OF UTILITIES, HOWARD COUNTY: 313-4300
- 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.
- 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.
- 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.
- 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.
- 8" SEWER MAIN SHALL BE C.S.P.X., R.C.S.P., P.V.C., U.C.P.X. OR UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL PROVIDE A JOINT IN THE SEWER MAIN WITHIN 2' OF EXTERIOR MANHOLE WALLS.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
- ALL WATER MAINS SHALL BE D.I.P. CLASS 52.
- TOP OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3/2" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- BLOCK ALL FITTINGS WITH CONCRETE.
- 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 3701 & 3705 OF THE STANDARD SPECIFICATIONS.

NOTE: 2021 ADO IS FOR FIRST FLOOR SEWER SERVICE ONLY

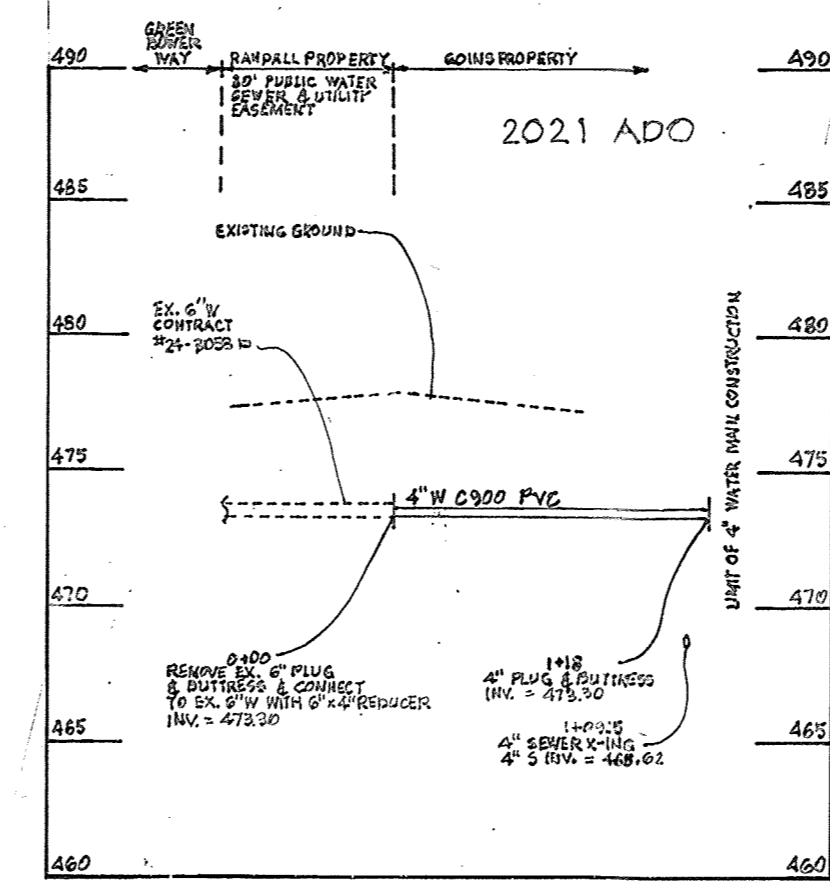
EX. DWELLING IS SERVED BY EX. WATER (11-14) AND EX. SEWER (32-5) LOCATED ON ST. JOHNS LANE



**PLAN:**  
SCALE: 1"=30'



**PROFILE**  
SCALE: 1"=30' H  
1"=5' V  
6" SEWER MAIN



**PROFILE**  
SCALE: 1"=30' H  
1"=5' V  
4" WATER MAIN

**WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE 2013**

LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
2	2819 GREEN BOWER WAY	9' METER TO C.O.	12.5' MH-100 TO METER
3	2820 GREEN BOWER WAY	10' METER TO C.O.	24' MH-100 TO METER

**WATER HOUSE CONNECTION AS-BUILT TABLE**

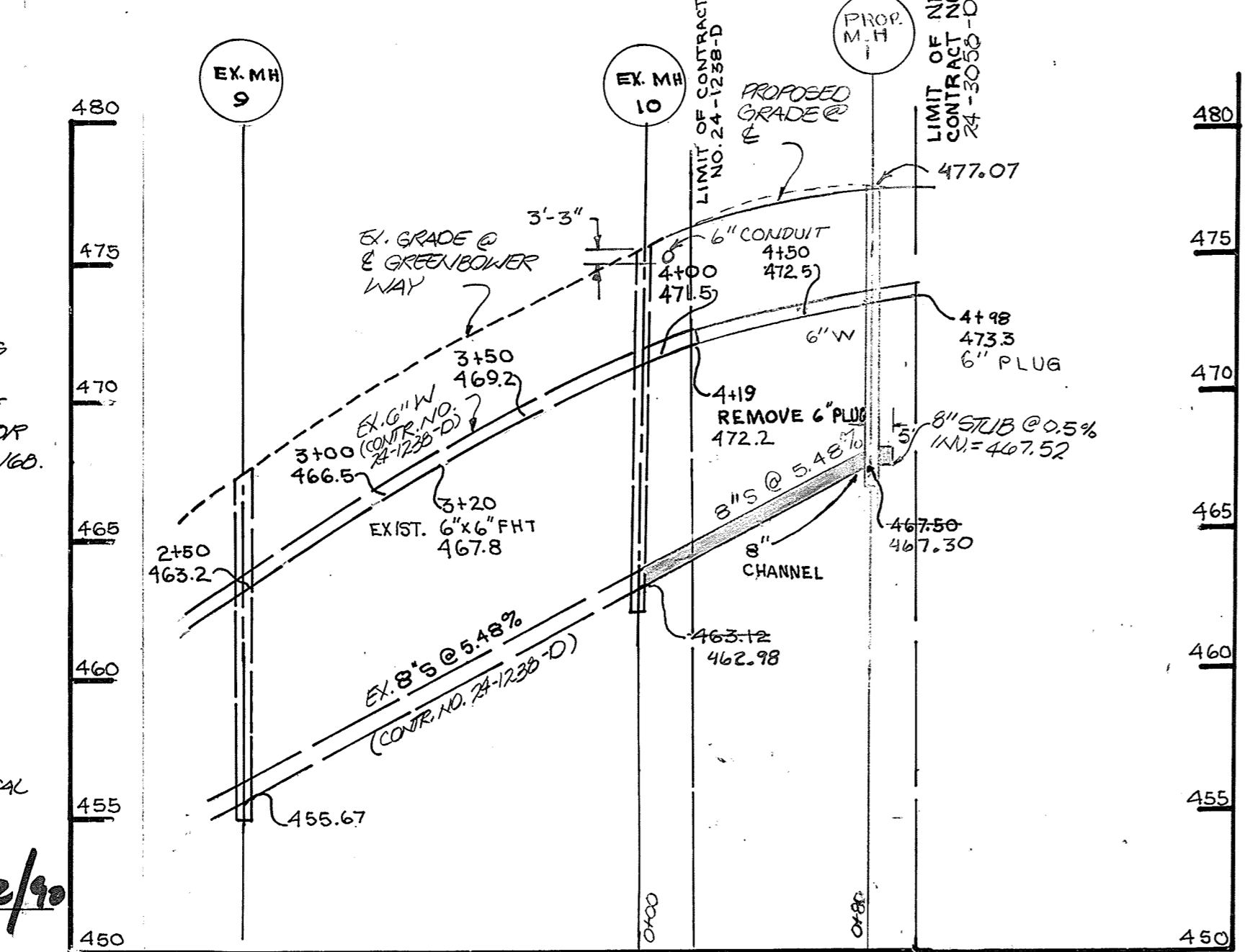
LOT	ADDRESS 2021 ADO	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1		10' TO MH 101	39' TO MH 100
2		11' TO MH 101	53' TO MH 100
3		22' TO MH 101	48' TO MH 100

**SEWER HOUSE CONNECTION AS-BUILT TABLE**

LOT	ADDRESS 2021 ADO	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1		9' TO MH 101	44' TO MH 100
2		20' TO MH 101	63' TO MH 100
3		24' TO MH 101	42' TO MH 100

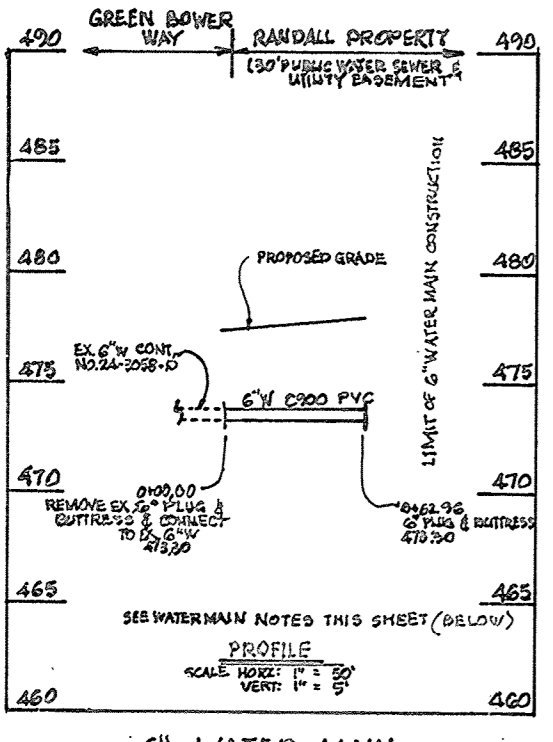
**SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE 2013**

LOT NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
1	2819 GREEN BOWER WAY	OUT OF MH 100	7.5' TO 8' COVER
2	2820 GREEN BOWER WAY	OUT OF MH 100	21' TO 18" COVER



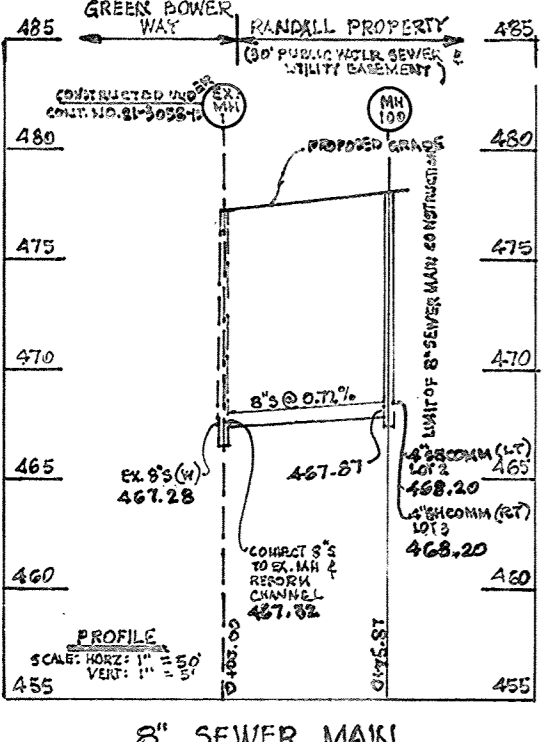
**PROFILE**  
SCALE: HORIZ: 1"=30'  
VERT: 1"=5'

2013 ADO



6" WATER MAIN

2013 ADO



8" SEWER MAIN

NOTE: SEDIMENT CONTROL MEASURES OF THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATIONS FOR ROAD CONSTRUCTION PLANS - F-30-160.

REVIEWED FOR HOWARD G.C.D. AND MEETS TECHNICAL REQUIREMENTS.

Jana M. Zehn (e.s.) 12/12/90  
USE SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
12/10/90 DATE

**DEPARTMENT OF PUBLIC WORKS**  
HOWARD COUNTY, MARYLAND

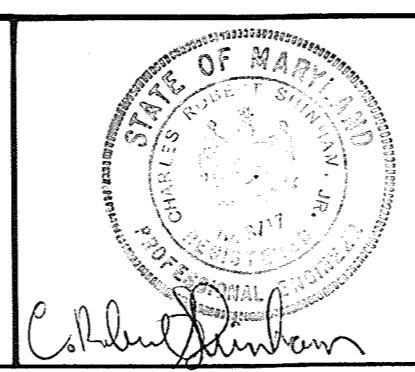
Jana M. Zehn 12/12/90 DATE  
DIRECTOR OF PUBLIC WORKS

Ruth Berman 12-7-90 DATE  
CHIEF BUREAU OF UTILITIES

K. C. ... 12-17-90 DATE  
CHIEF BUREAU OF ENGINEERING

Oliver M. ... 12/16/90 DATE  
CHIEF LAND DEVELOPMENT DIVISION

**Boender Associates**  
ENGINEERS-PLANNERS-SURVEYORS  
3230 BETHANY LANE  
ELLCOTT CITY, MD. 21043  
(301) 465-7177



DATE: AUGUST 1990

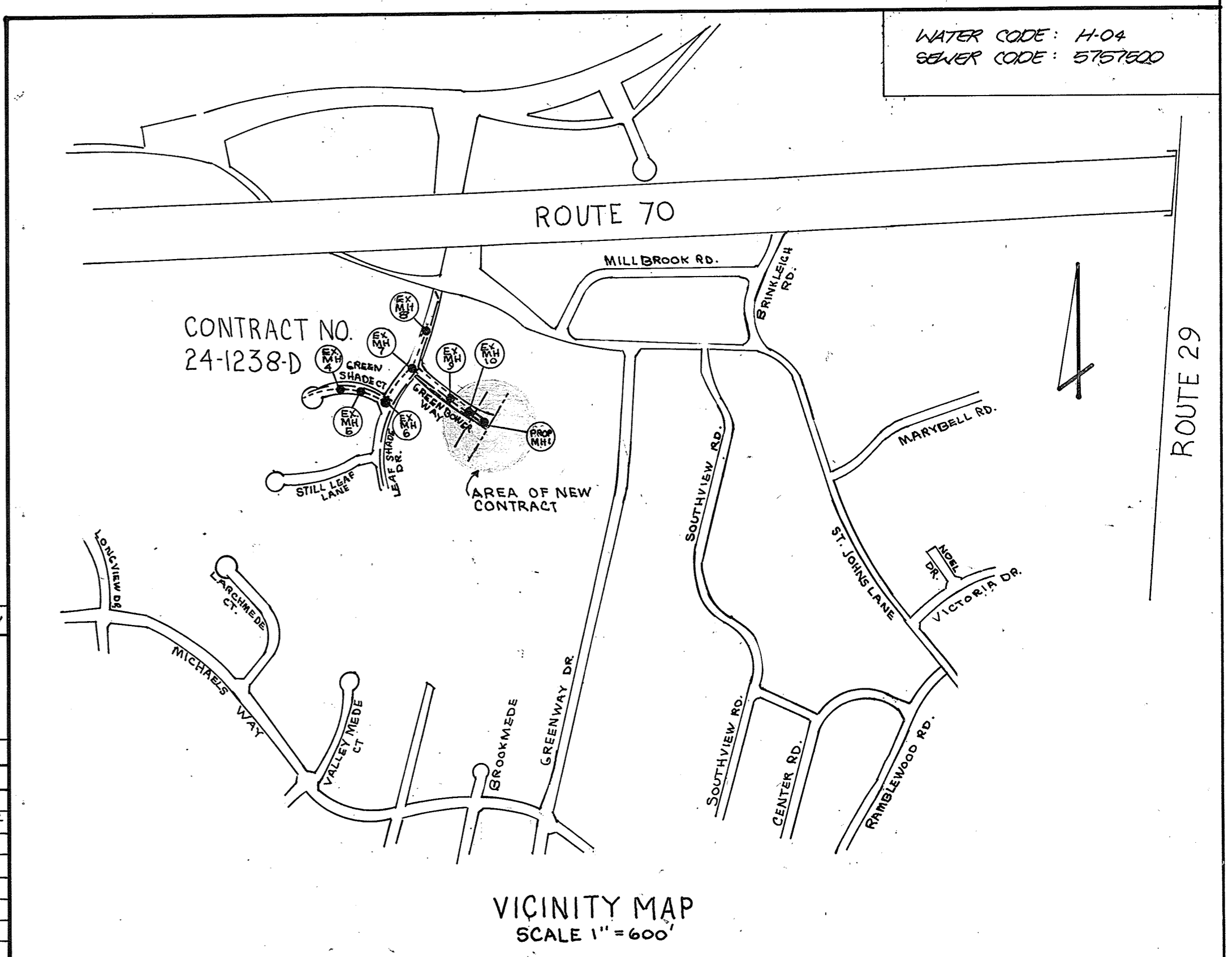
BY NO.	REVISION	DATE

**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



**VICINITY MAP**  
SCALE 1"=600'

WATER CODE: H-04  
SEWER CODE: 5751500

DRAINAGE AREA: PATAPSCO VIA 108 PUMPING STATION

WHC: 2  
SHC: 2  
NO. LOTS: 4  
BUILDABLE LOTS: 3

**INFORMATION BLOCK**

**QUANTITY CHART**

ITEM	ESTIM'D	AS-BUILT	AS BUILT
3/4" W.H.C.	50 LF	50 LF	TYPE K / MUNICIPAL & CONTRACTOR SIZES
6" WATER MAIN	30 LF	30 LF	D.I.P CLASS 52 / DITTO
SEWER MH	1 EA.	1 EA.	PRE-CAST / ATLANTIC CONC.
4" S.H.C.	50 LF	61.5 LF	SDR 35 / MUNICIPAL & CONTRACTOR SIZES
8" SEWER MAIN	60 LF	80 LF	SDR 35 / DITTO