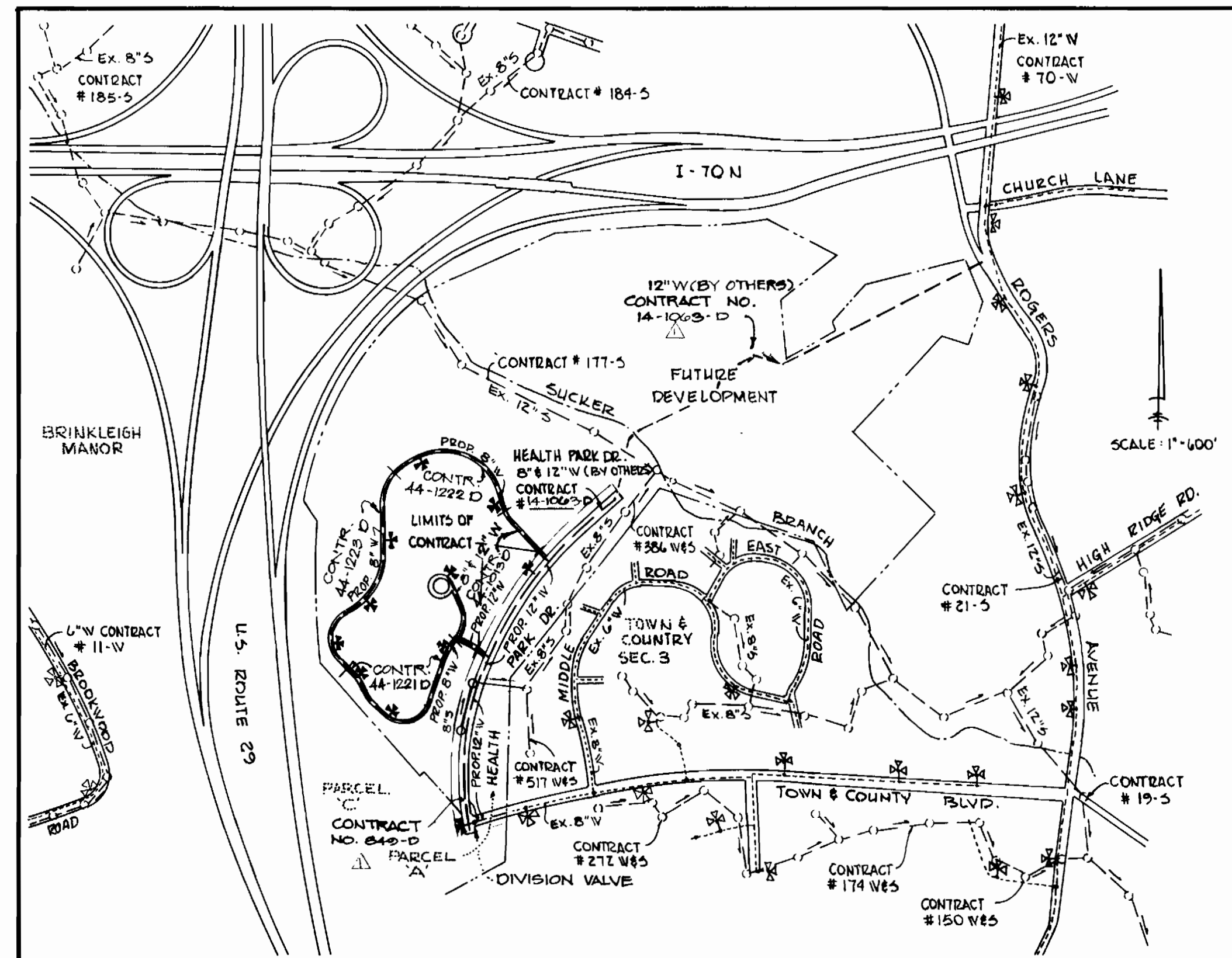


GENERAL NOTES

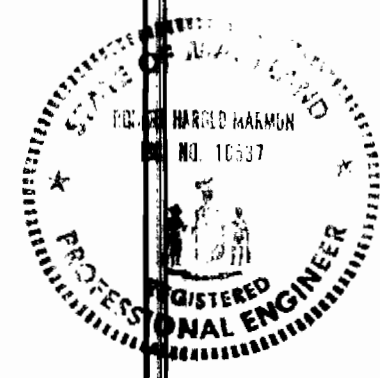
1. Approximate locations of existing utilities are shown. The Contractor shall take all necessary precautions to protect the existing utilities and to maintain uninterrupted service. Any damage incurred due to the Contractor's operation shall be repaired immediately at the Contractor's expense.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall locate existing utilities well in advance of construction activities.
4. Buttress or anchor all water main fittings with concrete. All valves shall be strapped to tees in accordance with standard details.
5. All water mains to have a minimum of 3.5' cover unless otherwise noted.
6. All fire hydrants shall be strapped to the tee and shall be buttressed with concrete in accordance with standard details. Cost of strapping fire hydrants and valves to be included in the unit price bid for furnishing and installing fire hydrants. Soil around the fire hydrants to be compacted in accordance with Section 5-15 of the Standard Specifications.
7. Bury line elevations on fire hydrants shall be set to the elevations shown on the plan.
8. All horizontal controls are based on Maryland State Coordinates.
9. All vertical controls are based on U.S.G.S. Datum.
10. Clear all utilities by a minimum of 1'-0". Clear all poles by 2'-0" minimum or tunnel as required. Any cost incurred to the Contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
11. For details not shown on the drawings use Howard County Standard Details.
12. For materials and construction methods use Howard County Standard Specifications.
13. Contractor shall notify the following utilities or agencies at least five(5) working days before starting work shown on these plans:
 - State Highway Administration — 531-5533
 - Baltimore Gas & Electric Company — Underground Electric Distribution Customer Service — 685-0123
 - Baltimore Gas & Electric Company — Underground Gas Distribution Customer Service — 685-0123
 - Engineering — "Damage Control" — 234-5621
 - "Miss Utility" — 1-559-0100
 - Chesapeake & Potomac (C & P) Telephone Company — 725-9976
 - American Telephone and Telegraph — Cable Location Division — 393-3553
 - Colonial Pipeline Company — 781-4641
 - Bureau of Utilities Howard County — 992-2366
14. 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.
15. Contractor shall remove trees, stumps and roots along line of excavation as directed by the Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill.
16. Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
17. All water house connections shall be for an inside meter setting.
18. The Contractor shall not operate any water main valves on the existing system.
19. Sediment Control measures for this contract will be implemented in accordance with Article 15 of the specifications and site development plan #81-24.



WATER & SEWER CODE WATER CODE: H02 SEWER CODE: N/A	TYPE OF BUILDINGS: MULTI-STORY HOUSING 66 UNITS NURSING HOME COMMUNITY CENTER CLUSTER HOUSING NUMBER OF WATER HOUSE CONNECTIONS DRAINAGE AREA: PATAPSCO
--	--

CONTRACT NO. 44-1013-D
BON SECOURS HOSPITAL HEALTH CARE PARK
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

QUANTITIES			
ITEM	BID	AS BUILT	MATERIAL/SUPPLIER
12" WATER MAIN	172 LF	170 LF	Griffin Pipe
8" WATER MAIN	820 LF	820 LF	"
6" WATER MAIN	20 LF	23 LF	"
6" SERVICE CONN.	10 LF	-	Belair Rd Supply
6" VALVE	2	2	"
6" VALVE	1	3	"
1/10 BEND		4	"
1/32 BEND		3	"
F.H.		2	"



Robert H. Marmor
 ROBERT H. MARMON #10537
 DATE: 4-6-87

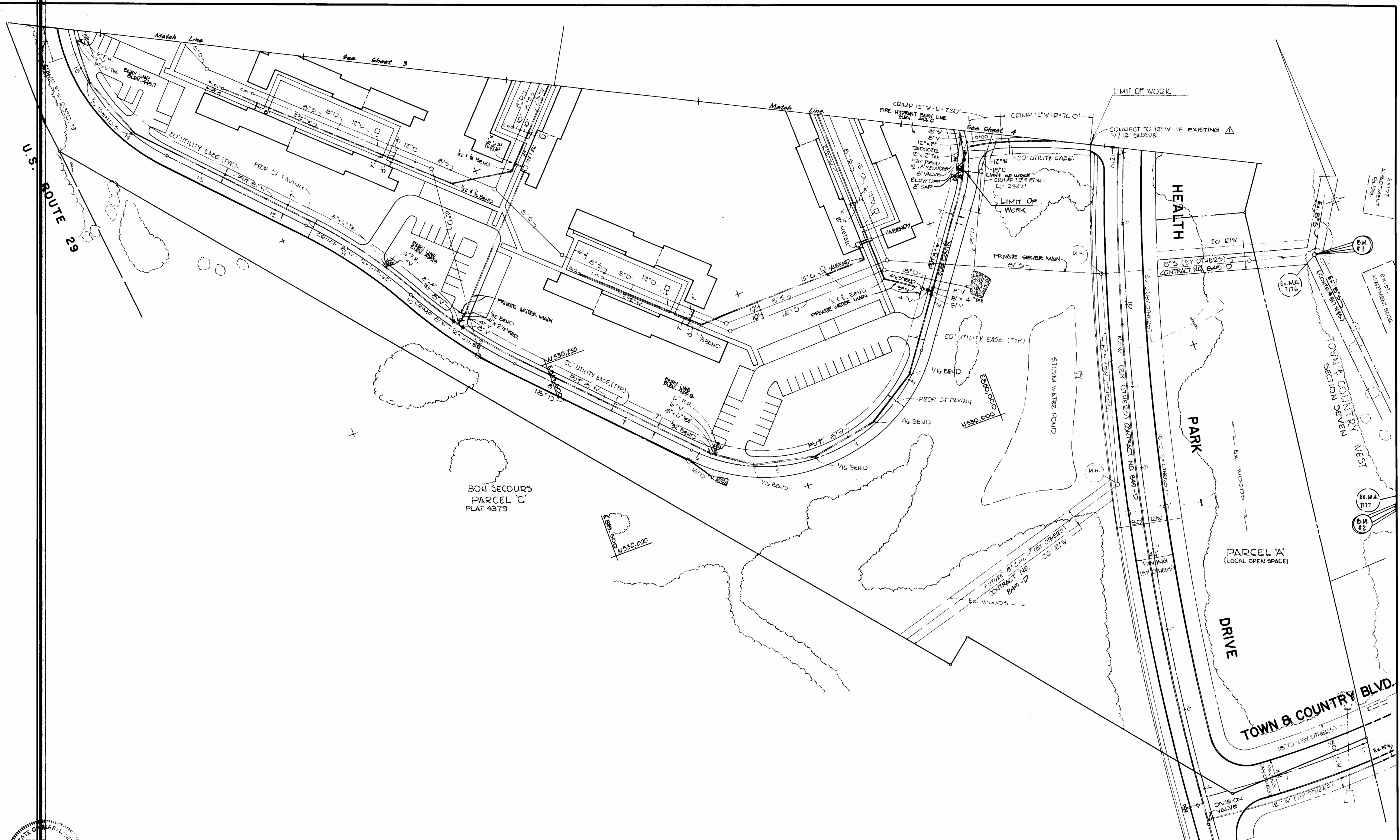
DATE: 10-4-85
 PER COUNTY COMMENTS: DIVIDED INTO SUBCONTRACTS 44-1221-D, 44-1222-D, 44-1223-D

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS.
J. Holm
 U.S. SOIL CONSERVATION SERVICE
 DATE: 4-6-87

THESE PLANS ARE APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL TO MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
W. J. R...
 HOWARD SOIL CONSERVATION DISTRICT
 DATE: 4-20-87

CONTRACT NO. 44-1013-D
 BON SECOURS
 WATER MAIN EXTENSION
 HOWARD COUNTY, MARYLAND

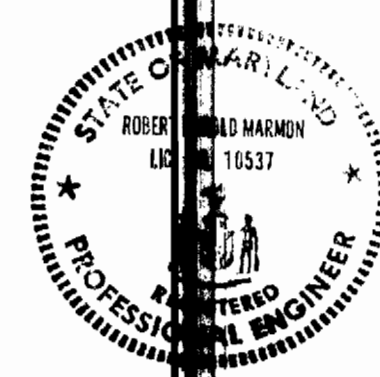
DAFT · McCUNE · WALKER INC. 530 EAST JOPPA ROAD TOWSON, MARYLAND 21204	DEPARTMENT OF PUBLIC WORKS - HOWARD COUNTY, MARYLAND CHIEF - BUREAU OF UTILITIES DATE: 4-26-87	CHIEF - BUREAU OF ENGINEERING DATE: 4-26-87	CHIEF - LAND DEVELOPMENT DIVISION DATE: 4-26-87	CONTRACT NO. 44-1013-D	LOCATION MAP	ELECTION DISTRICT ELLCOTT CITY No. 2	DRAWING NO. 1 OF 5	SCALE 1" = 600'
--	--	--	--	------------------------	--------------	---	-----------------------	-----------------



BENCH MARKS & LOCATIONS

B.M.#1 - Ex. M.H.# 7176 TOP OF RIM - ELEV. 400.85
 B.M.#2 - Ex. M.H.# 7177 TOP OF RIM - ELEV. 411.68

CONTRACT NO. 44-1013-D
 BON SECOURS
 WATER MAIN EXTENSION
 HOWARD COUNTY, MARYLAND



Robert H. Marmor
 ROBERT H. MARMON
 4-6-87
 DATE

DATE	REVISIONS
10-4-82	PER COUNTY COMMENTS
5-9-84	REDUCE SLOPE OF CONTRACT

DAFT - McCUNE - WALKER INC.
 LAND PLANNING CONSULTANTS
 LANDSCAPE ARCHITECTS
 ENGINEERS
 530 EAST JOPPA ROAD
 TOWSON, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS - HOWARD COUNTY, MARYLAND
 DIRECTOR OF PUBLIC WORKS
 CHIEF BUREAU OF ENGINEERING
 CHIEF LAND DEVELOPMENT DIVISION

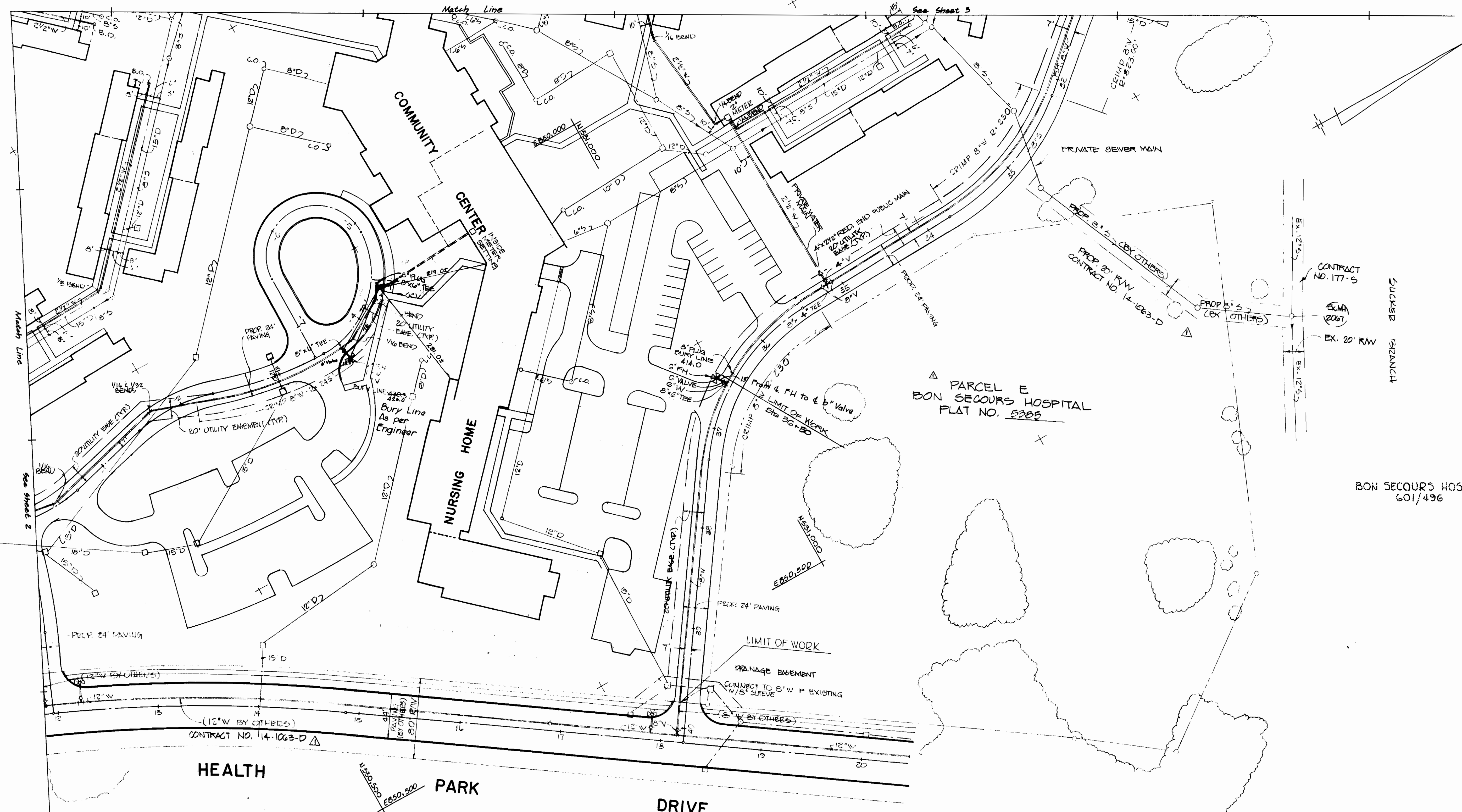
CONTRACT NO. **44-1013-D**

**PLAN OF
 WATER MAINS**

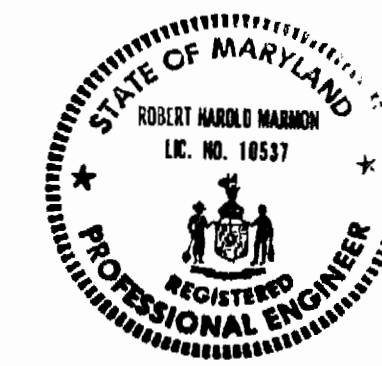
BON SECOURS
 HOWARD COUNTY HEALTH PARK
 ELECTION DISTRICT ELLICOTT CITY NO.2

DRAWING NO. **2**
 OF **5**
 SCALE 1" = 50'

AS.BUILT March 1, 1985



BON SECOURS HOSPITAL
601/496



Robert H. Marmon
ROBERT H. MARMON
DATE 4-6-82

CONTRACT NO. 44-1012-D
BON SECOURS
WATER MAIN EXTENSION
HOWARD COUNTY, MARYLAND

DATE	REVISIONS
10-4-82	PER COUNTY COMMENTS

DAFT · McCUNE · WALKER INC.
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS
530 EAST JOPPA ROAD
TOWSON, MARYLAND 21284

DEPARTMENT OF PUBLIC WORKS - HOWARD COUNTY MARYLAND
4-26-82
DATE
CHIEF BUREAU OF ENGINEERING
4-26-82
DATE
CHIEF BUREAU OF UTILITIES

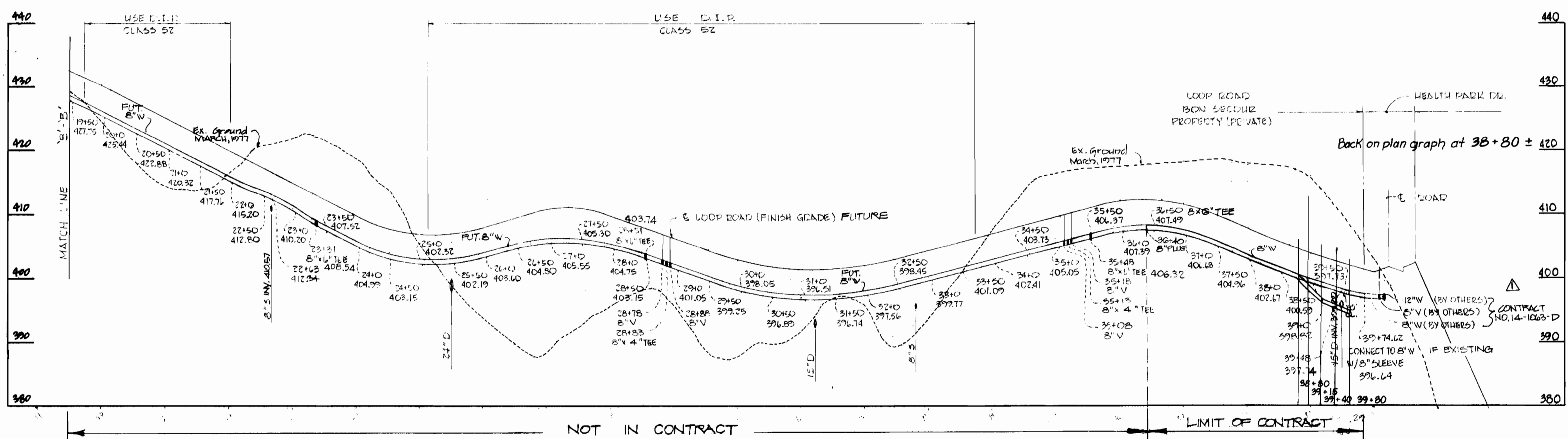
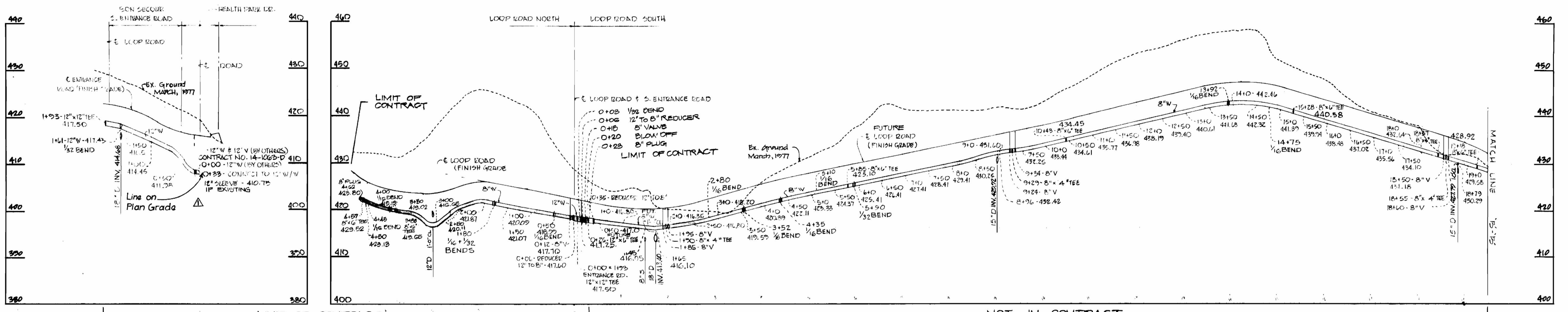
CONTRACT NO. **44-1013-D**

PLAN OF
WATER MAINS

BON SECOURS
HOWARD COUNTY HEALTH PARK
ELECTION DISTRICT ELLICOTT CITY NO.2

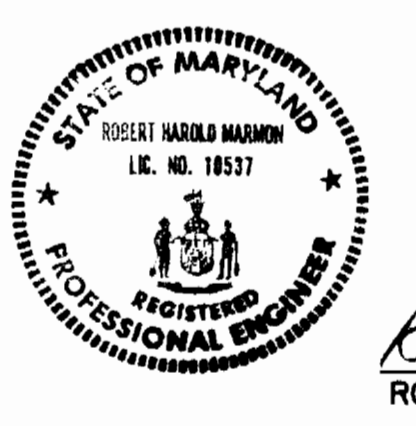
DRAWING NO. 3	SCALE: 1" = 50'
OF 5	

AS-BUILT March 1, 1985



Notes - 15" SD as shown on plan was 21" in field
 Invert .4 high, necessitated going under
 B. Walton on site 2 PM 2/4/85 for in field
 changes as per AS-BUILT.

Existing invert 395.10 ±; 1.5' low according
 to plan grade



Robert H. Marmon
 ROBERT H. MARMON
 4-6-82
 DATE

WATER MAIN PROFILES

SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'

DATE	REVISIONS
10-4-82	PER COUNTY COMMENTS
5/9/84	REDUCE SCOPE OF CONTRACT

CONTRACT NO. 44-1013-12
 BON SECOURS
 WATER MAIN EXTENSION
 HOWARD COUNTY, MARYLAND

DAFT McCUNE WALKER INC.
 LAND PLANNING CONSULTANTS
 LANDSCAPE ARCHITECTS
 ENGINEERS
 530 EAST JOPPA ROAD
 TOWSON, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS - HOWARD COUNTY MARYLAND
 W. F. NIMM
 DIRECTOR OF PUBLIC WORKS
 DATE 4-26-82
 CHIEF-BUREAU OF UTILITIES

CONTRACT NO. **44-1013-D**

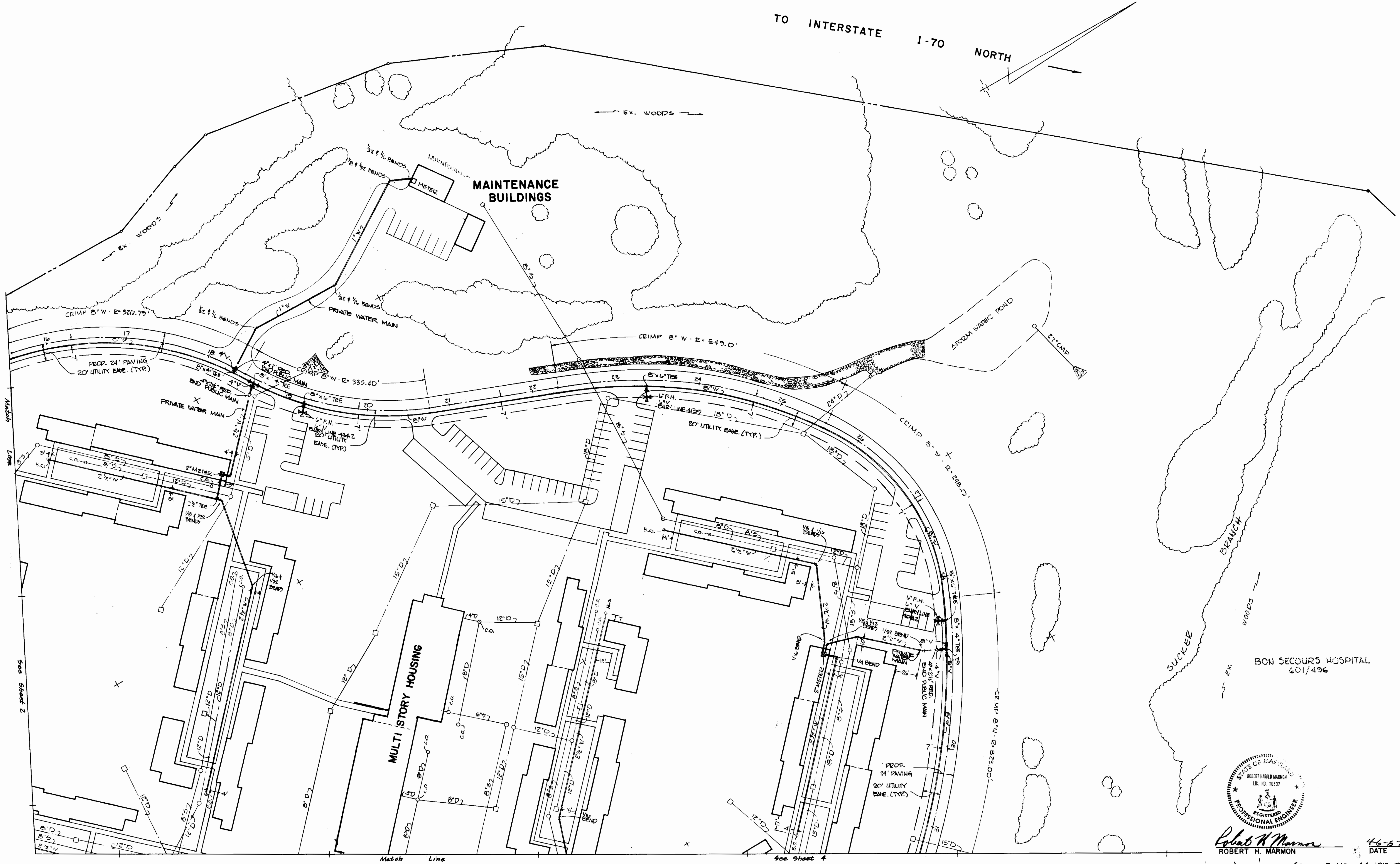
PROFILE OF WATER MAINS

BON SECOURS
 HOWARD COUNTY HEALTH PARK
 ELECTION DISTRICT ELLICOTT CITY NO. 2

DRAWING NO. **4** SCALE: AS SHOWN
 OF **5**

AS-BUILT March 1, 1985

TO INTERSTATE 1-70 NORTH



Robert H. Marmor
ROBERT H. MARMON
4-6-57
DATE

CONTRACT NO. 44-1013-D
BON SECOURS
WATER MAIN EXTENSION
HOWARD COUNTY, MARYLAND



DAFT McCune WALKER INC.
LAND PLANNING CONSULTANTS
ENGINEERS ARCHITECTS
530 EAST JOPPA ROAD
TOWSON, MARYLAND 21204

DEPARTMENT OF PUBLIC WORKS - HOWARD COUNTY MARYLAND
DIRECTOR OF PUBLIC WORKS
CHIEF BUREAU OF ENGINEERING
CHIEF BUREAU OF UTILITIES
CHIEF LAND DEVELOPMENT DIVISION

CONTRACT NO. 44-1013-D

PLAN OF
WATER MAINS

BON SECOURS
HOWARD COUNTY HEALTH PARK
ELECTION DISTRICT ELLICOTT CITY NO. 2

DRAWING NO. 5 OF 5
SCALE 1"=50'