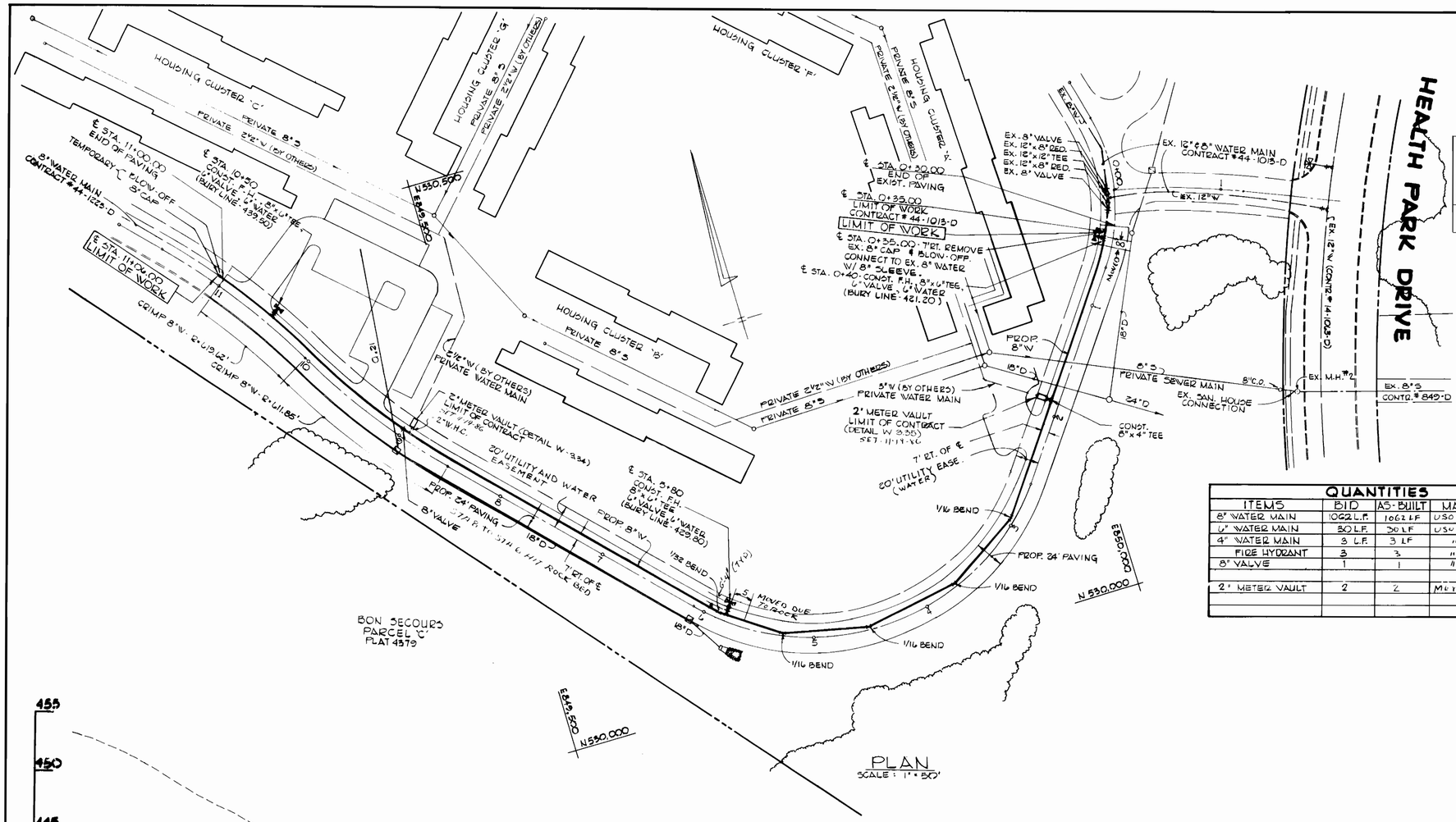
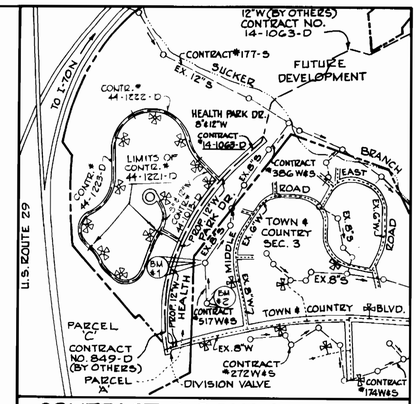


PLAN
SCALE: 1" = 50'



CONTRACT LOCATION PLAN
SCALE: 1" = 600'

BENCH MARKS & LOCATIONS

B.M. #1 -	EX. M.H. # 7176
TOP OF 12" M -	ELEV. 400.86
B.M. #2 -	EX. M.H. # 7177
TOP OF 12" M -	ELEV. 411.68

TYPE OF BUILDINGS:	74 UNITS CLUSTER HOUSING
DRAINAGE AREA:	PATAPSCO
NUMBER OF WHC:	2
NUMBER OF SHC:	0
SEWER CODE:	N/A
WATER CODE:	H02

QUANTITIES

ITEMS	BID	AS-BUILT	MATERIAL / SUPPLIER
8" WATER MAIN	1062 L.F.	1062 LF	DIP PIPE DIP
6" WATER MAIN	30 L.F.	30 LF	DIP PIPE DIP
4" WATER MAIN	3 L.F.	3 LF	" "
FIRE HYDRANT	3	3	"
8" VALVE	1	1	"
2" METER VAULT	2	2	METER [illegible]

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 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.
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:

   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

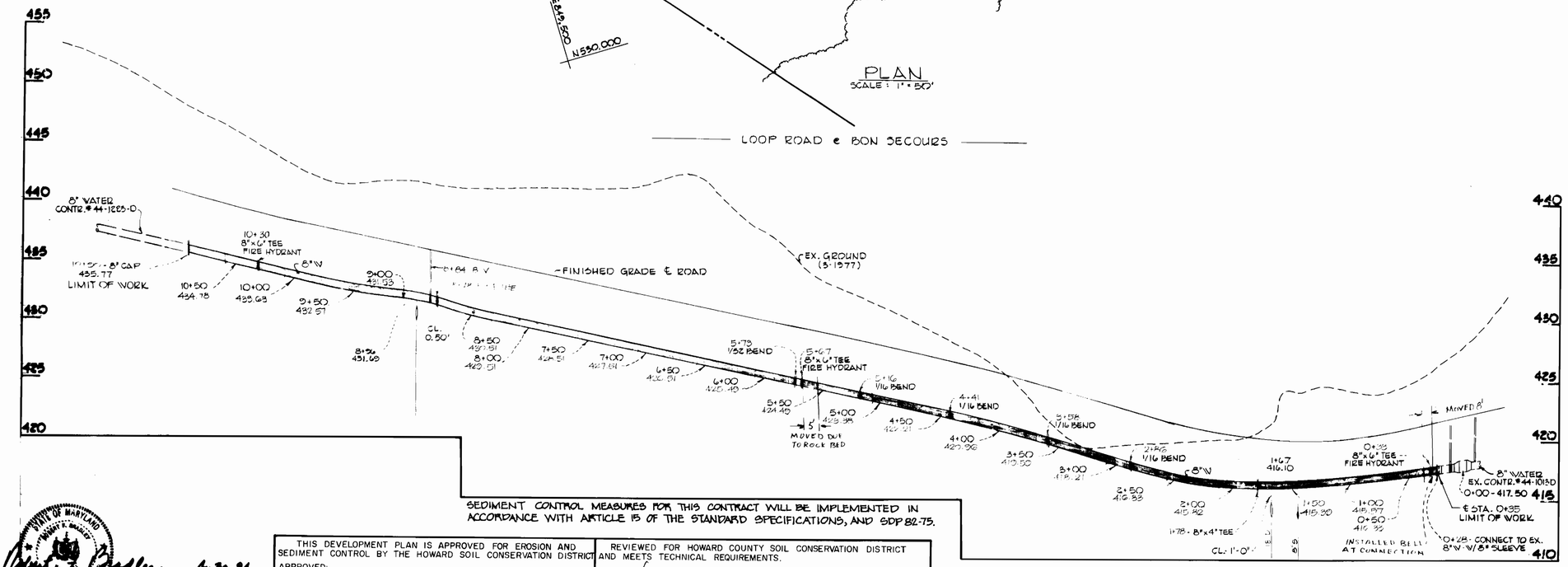
   "MISS UTILITY" — 1-559-0100

   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
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 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.
12. 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.
13. ALL WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED.
14. TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' 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 THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 1003 AND 1008 OF THE STANDARD SPECIFICATIONS
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.



WATER MAIN PROFILE
SCALE: HORZ. 1" = 50'
VERT. 1" = 5'

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE STANDARD SPECIFICATIONS, AND SDP 82-75.

STATE OF MARYLAND — ROBERT F. BRADLEY — PROFESSIONAL ENGINEER
4-30-84 DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
APPROVED: HOWARD SOIL CONSERVATION DISTRICT — 5/9/84 DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
U.S. SOIL CONSERVATION SERVICE — 5/4/84 DATE

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

DAFT-McCUNE-WALKER, INC.
530 E. JOPPA ROAD, TOWSON, MARYLAND 21204
TELEPHONE (301) 296-3333

DES. R.A.B.			
DRN. N.A.T.			
CHK. R.A.B.	RAB	2	REVISE 3" METER TO 2" METER — 1/27/86
DATE 4/30/84	RAB	1	RESTATION PROFILE PER MD HEALTH DEPT. — 7/16/84
	BY	NO.	REVISION — DATE

PLAN AND PROFILE OF WATER MAIN
CONTRAT NO. 44-1221-D (PHASE 2)

BON SECOURS HOWARD COUNTY HEALTH PARK
PARCEL B-1 PLAT 5385
ELECTION DISTRICT — ELLICOTT CITY NO. 2

DRAWING: NO. 1 OF 1
SCALE: AS SHOWN

CONTRACT NO. 44-1221-D
BON SECOURS
WATER MAIN EXTENSION
HOWARD COUNTY, MD.

AS-BUILT 12-9-86