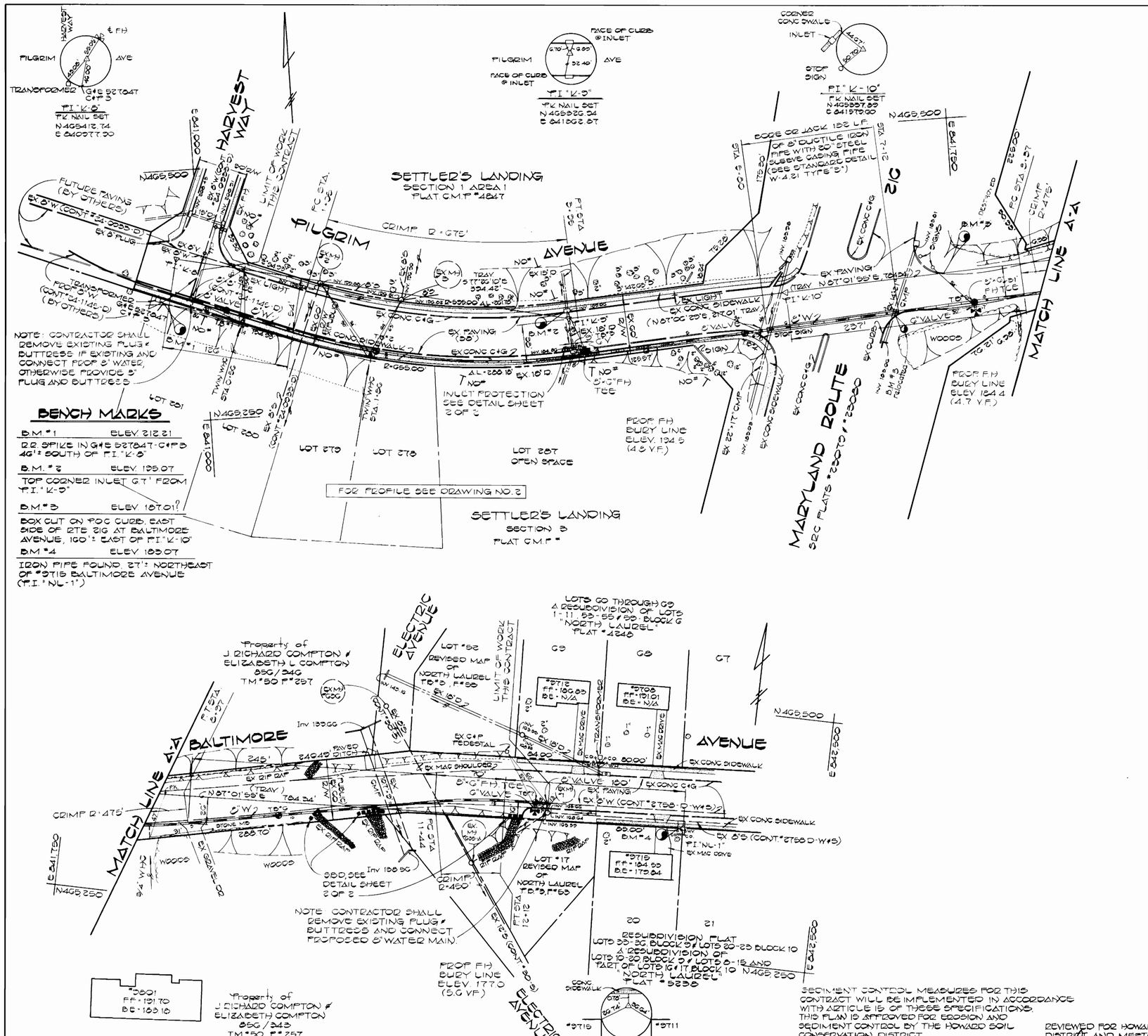
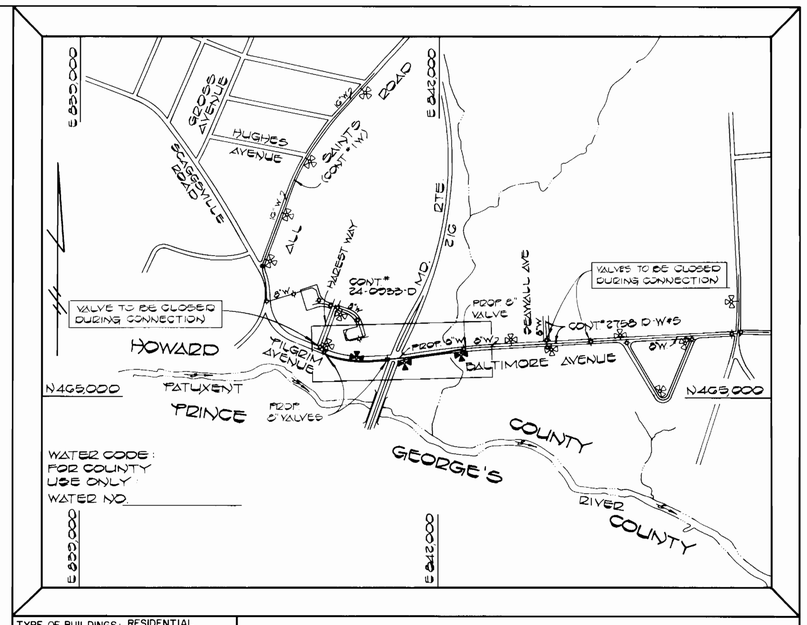


PLAN
1" = 50'



TYPE OF BUILDINGS: RESIDENTIAL
NUMBER OF PARCELS: 5
NUMBER OF WATER HOUSE CONN. 5
DRAINAGE AREA PATUXENT

VICINITY MAP
SCALE: 1" = 600'

GENERAL NOTES

1. APPROXIMATE LOCATIONS 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 AT POLES 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.
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 THE PROPOSED UTILITIES AT HIS OWN EXPENSE.
9. CONTRACTOR SHALL NOTIFY THE FOLLOWING AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
   BALTIMORE GAS AND ELECTRIC CO. - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE (685-0123)
   BALTIMORE GAS AND ELECTRIC CO. - UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE (685-0123)
   STATE HIGHWAY ADMINISTRATION (531-5533)
   ENGINEERING - DAMAGE CONTROL (234-5621)
   CHESAPEAKE & POTOMAC TELEPHONE COMPANY (725-9976)
   BUREAU OF UTILITIES, HOWARD COUNTY (992-2366)
   MISS UTILITY (1-559-0100)
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 THE LINE OF EXCAVATION AS DIRECTED BY THE ENGINEER. PAYMENT FOR FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
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 WATER MAINS TO HAVE A MINIMUM OF 3'-6" 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 HYDRANTS TO BE COMPACTED IN ACCORDANCE WITH SECTION 37.01 AND 37.05 OF THE STANDARD SPECIFICATIONS.
18. ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN 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.

QUANTITIES

ITEM	EST'D	AS-BUILT	SUPPLIER
8" WATER	1124 L.F.	1,151 LF	U.S. Pipe & Foundry
6" WATER	21 L.F.	14 LF	" "
FIRE HYD	3 EA.	3 EA.	
3/4" WHC	30 L.F.	42 LF	
8" VALVES	3 EA.	3 EA.	Smith Metropolitan
6" VALVES (F.H.)	3 EA.	3 EA.	" "
BORE & JACK 8" W. INCLUDING 30" STEEL SLEEVE	132 L.F.	132 LF	
1" WHC	10 L.F.	4 LF	

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THESE SPECIFICATIONS. THIS PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED
7-1-83
HOWARD SOIL CONSERVATION DISTRICT DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
7-1-83
U.S. SOIL CONSERVATION DISTRICT DATE

CONTRACT NO. 44-1119
CAPITAL PROJECT W-8134
NORTH LAUREL WATER MAIN
LAUREL, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DIRECTOR OF PUBLIC WORKS — DATE 11-15-83
CHIEF, BUREAU OF ENGINEERING — DATE 10/11/83
CHIEF, BUREAU OF UTILITIES — DATE 11-10-83
CHIEF, UTILITY DIVISION — DATE 10/11/83

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLICOTT CITY, MARYLAND 21043
461-2865

STATE OF MARYLAND — TERRELL A. FISHER — No. 9157 — REGISTERED PROFESSIONAL ENGINEER
TERRELL A. FISHER — DATE

DES. D.B.S.
DRN. D.B.S.
CHK. T.A.F.
DATE:

BY	NO.	REVISION	DATE

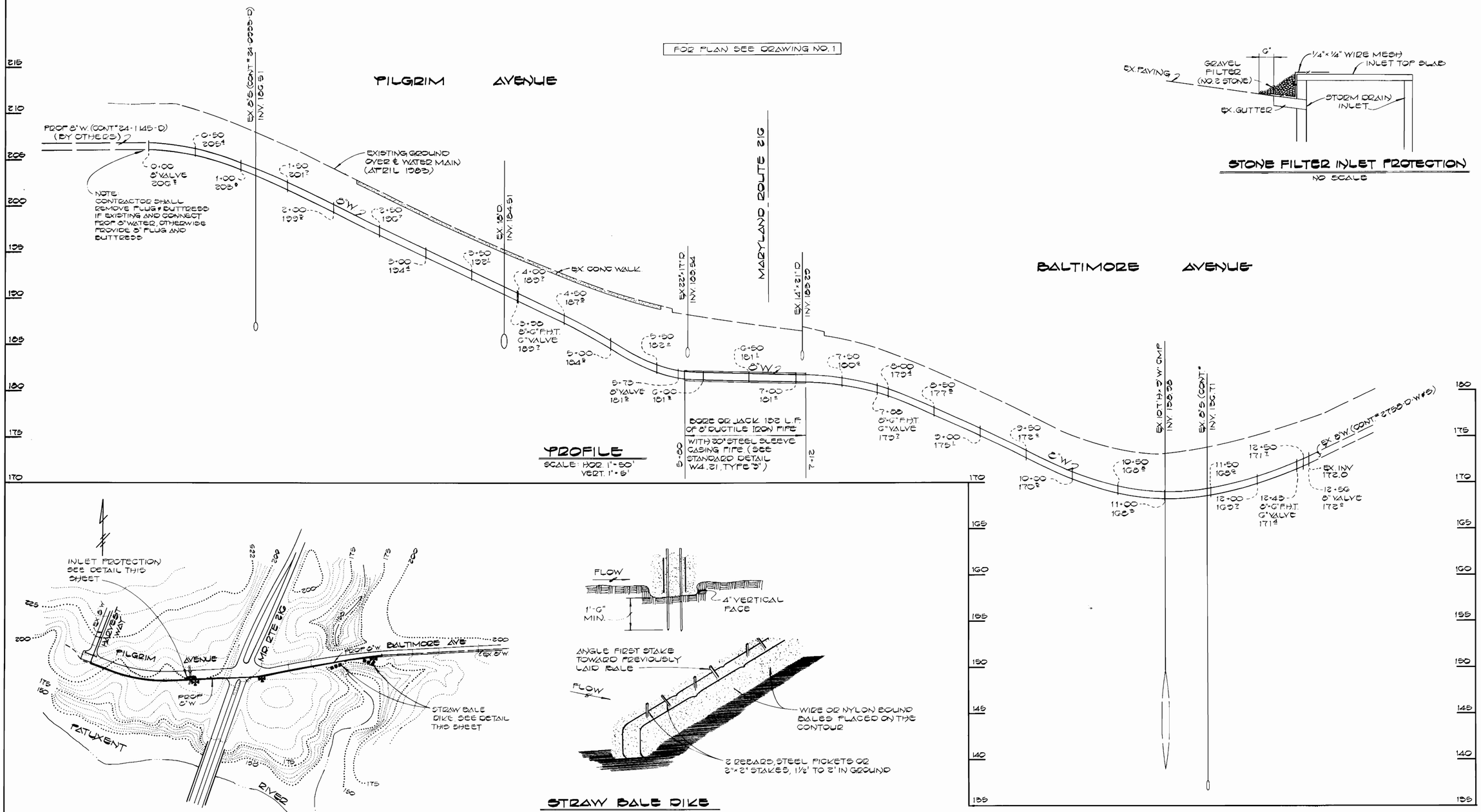
PLAN
WATER MAINS

NORTH LAUREL WATER MAIN
CAPITAL PROJECT NO. W-8134
CONTRACT NO. 44-1119
SIXTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 2

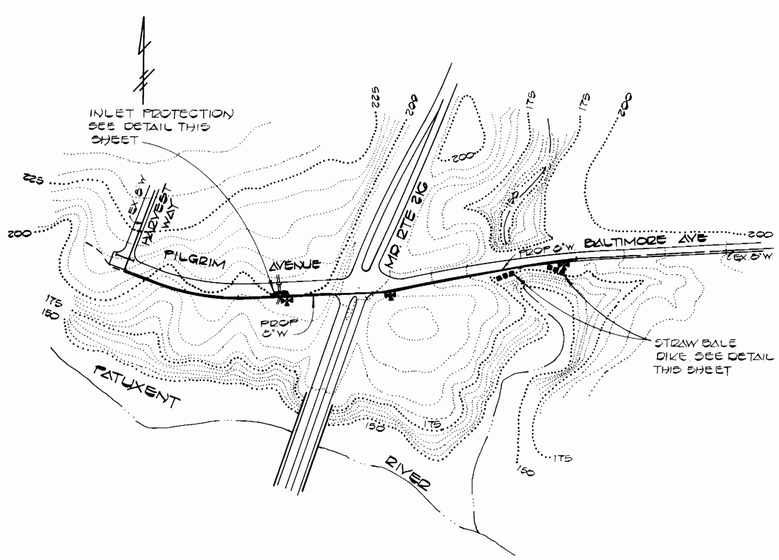
W.O. 10148 F.B. HC-12

AS BUILT JUNE 1984



STONE FILTER INLET PROTECTION

NO SCALE



DRAINAGE AREA

SCALE: 1" = 200'

STRAW BALE DIKE

NO SCALE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	FISHER, COLLINS AND CARTER, INC. CONSULTING ENGINEERS AND LAND SURVEYORS 8388 COURT AVENUE ELLICOTT CITY, MARYLAND 21043 461-2855						PROFILE AND DETAILS WATER MAINS	NORTH LAUREL WATER MAIN CAPITAL PROJECT W-8134 CONTRACT NO. 44-1119 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE: AS SHOWN SHEET 2 OF 2
Gary F. Newman 11-15-83 DIRECTOR OF PUBLIC WORKS DATE	STATE OF MARYLAND REGISTERED PROFESSIONAL ENGINEER TERRELL A. FISHER 5/3/83 TERRELL A. FISHER DATE	DES: D.B.S.							
Robert M. Beringer 11-10-83 CHIEF, BUREAU OF UTILITIES DATE		DRN: D.B.S.							
Allen S. Brown 10/11/83 CHIEF, UTILITY DIVISION DATE		CHK: T.A.F.							
		DATE:	BY	NO.	REVISION	DATE			

AS BUILT JUNE 1984