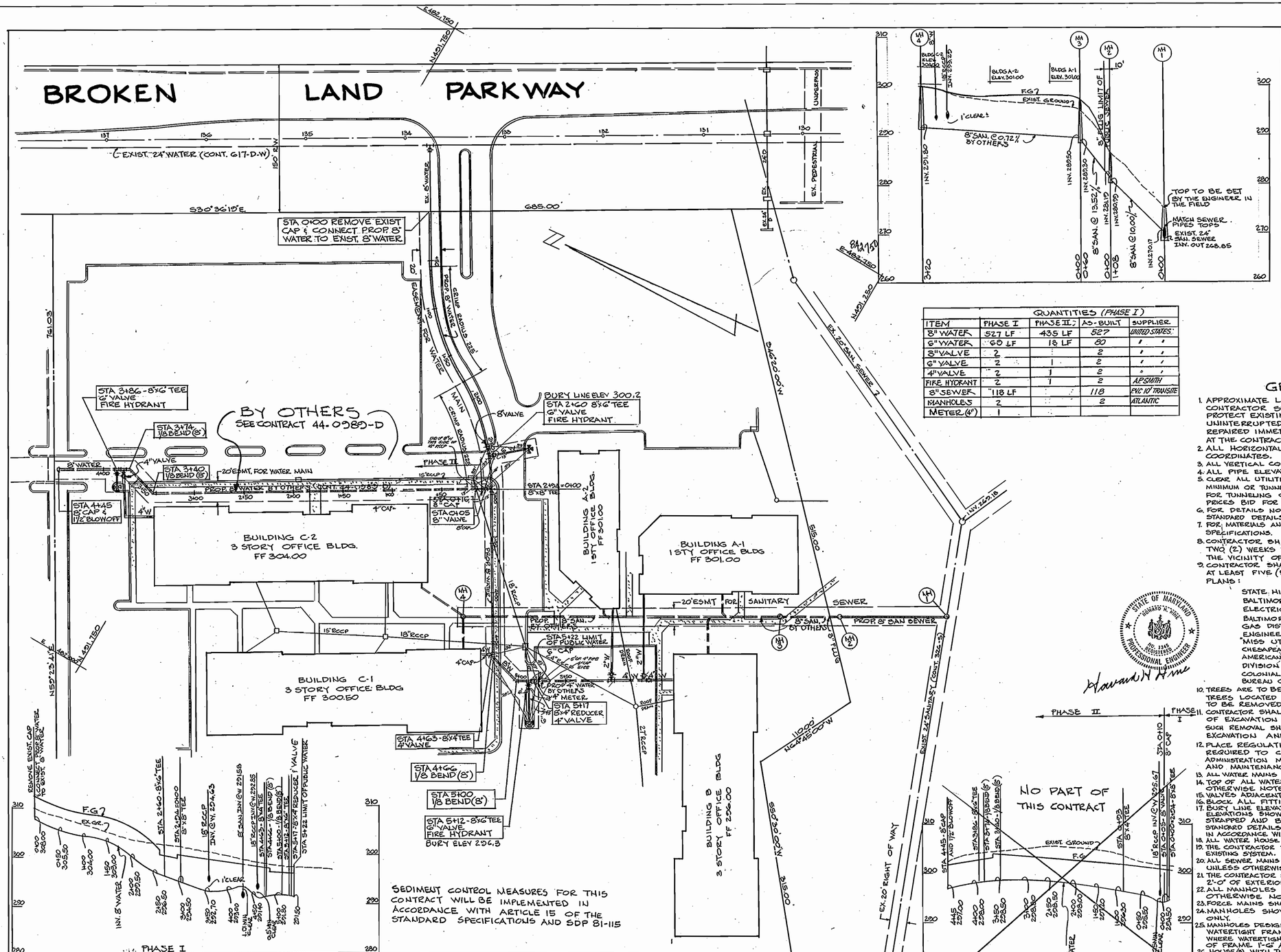

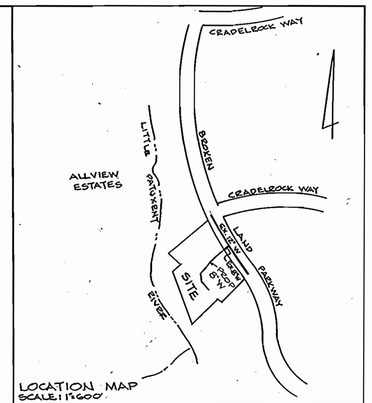

LOCATION MAP
SCALE: 1" = 600'

WATER AND SEWER CODE - FOR COUNTY USE
WATER No. E 13
SEWER No. 5330000

TYPE OF BUILDINGS - OFFICE
No. OF LOTS 1
No OF WATER HOUSE CONNECTIONS - 5
No OF SEWER HOUSE CONNECTIONS - 5

QUANTITIES (PHASE I)

ITEM	PHASE I	PHASE II	AS-BUILT	SUPPLIER
8" WATER	527 LF	435 LF	527	UNITED STATES
6" WATER	60 LF	18 LF	60	" "
8" VALVE	2		2	" "
6" VALVE	2	1	2	" "
4" VALVE	2	1	2	" "
FIRE HYDRANT	2	1	2	A.P. SMITH
8" SEWER	118 LF		118	PVC 10" TRANSITE
MANHOLES	2		2	ATLANTIC
METER (4")	1			

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 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 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 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 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 - 725-0976
   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 C.I.P. OR 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 SECTION 5-15 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. ALL SEWER MAINS SHALL BE C.S.P.X., V.C.P.X. OR A.C.P. CLASS 2400 UNLESS OTHERWISE NOTED.
21. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
22. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
23. FORCE MAINS SHALL BE D.I.P. ONLY.
24. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE BRICK MANHOLES ONLY.
25. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 5-12 (ECE-63A). WHERE WATERTIGHT MANHOLES FRAME AND COVER IS USED, SET TOP OF FRAME 1'-0" ABOVE FINISHED GRADE.
26. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CAN NOT BE SERVED.
27. WATER HOUSE CONNECTIONS MUST HAVE 1.0' MIN. VERTICAL CLEARANCE ABOVE SEWER MAINS AT CROSSINGS.

STATE OF MARYLAND — HOWARD N. ROME — REG. 7316 — REGISTERED PROFESSIONAL ENGINEER

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE STANDARD SPECIFICATIONS AND SDP 81-115

NO PART OF THIS CONTRACT

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

	DATE		DATE
DIRECTOR OF PUBLIC WORKS	6-3-81	CHIEF - BUREAU OF ENGINEERING	6/2/81
CHIEF - BUREAU OF UTILITIES	5/28/81	CHIEF - LAND DEVELOPMENT DIVISION	6-2-81

HUDKINS ASSOCIATES INC.
ENGINEERS & LAND SURVEYORS
101 SHELL BUILDING
200 E. JOPPA RD. TOWSON, MD. 21204

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE — DATE 5-26-81
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT

HOWARD S.C.D. — DATE 5-26-81

CONTRACT No. 24-0988-D

PLAN AND PROFILE OF WATER MAIN AND SANITARY SEWER

PARCEL A-2 VILLAGE OF OWEN BROWN
SECT. 3 AREA 1 - PHASE I
ELECTION DISTRICT 6
HOWARD COUNTY, MARYLAND

CONTACT 24-0988-D
VILLAGE OF OWEN BROWN
SECT 3 AREA 1

DRAWING No 1 OF 1

SCALE: PLAN 1" = 50' PROFILE HOR. 1" = 100' VERT. 1" = 10'

JOB

DATE: MARCH 5, 1981

AS-BUILT SEPT. 4, 1981

6148

988/1 WS