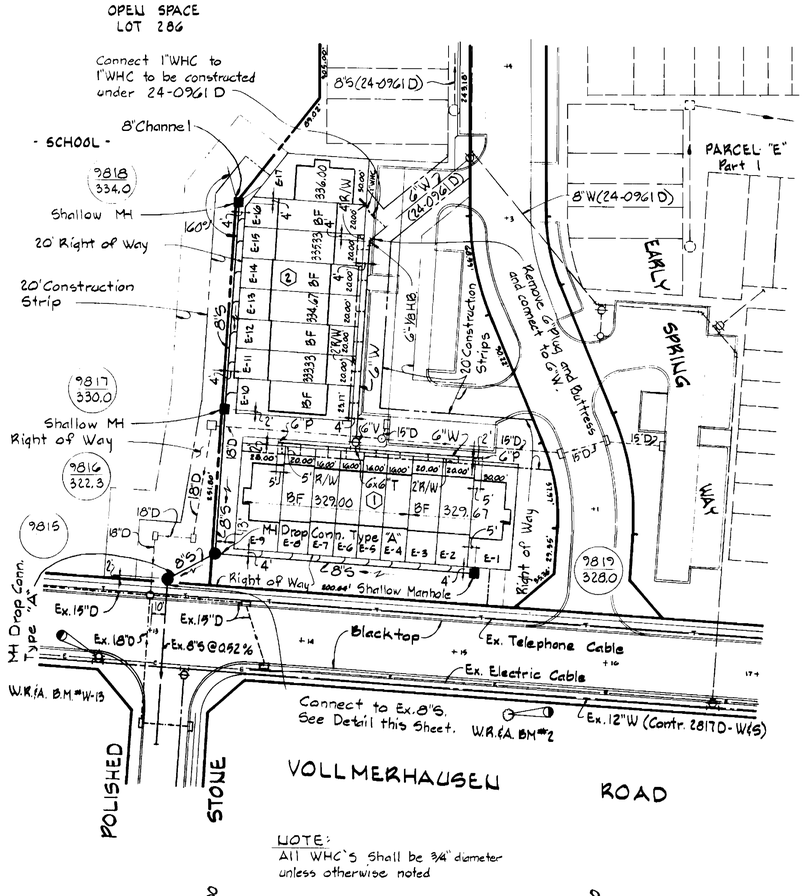
K&E BALTIMORE 170453 PHOENIX MC 9132

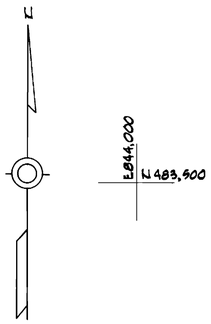


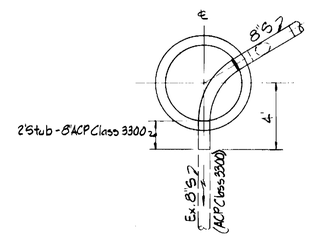
NOTE:
All WHC's Shall be 3/4" diameter unless otherwise noted

E843,500 N483,000

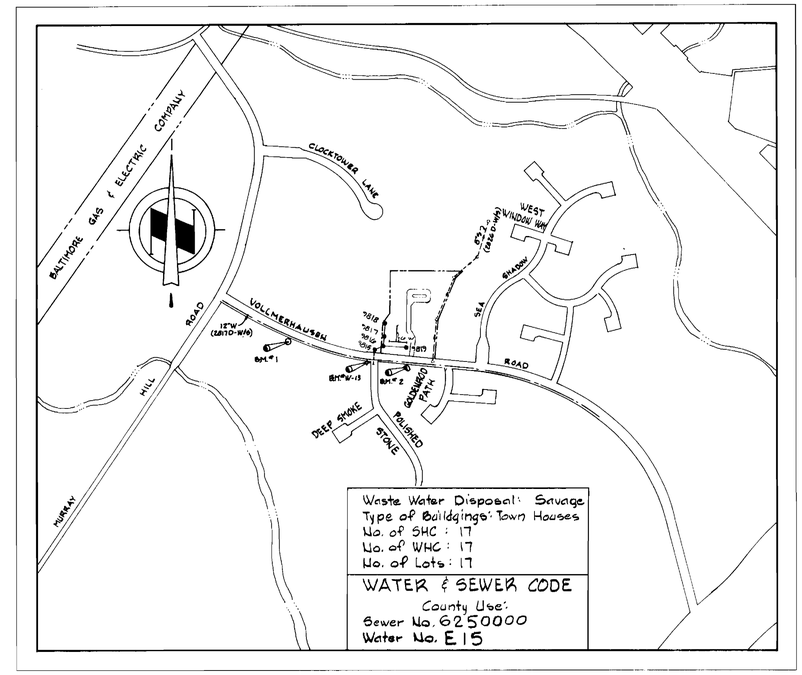
PLAN
Scale: 1"=50'

E843,750 N483,000

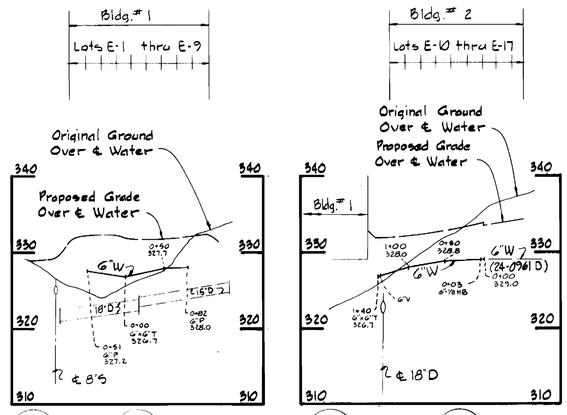


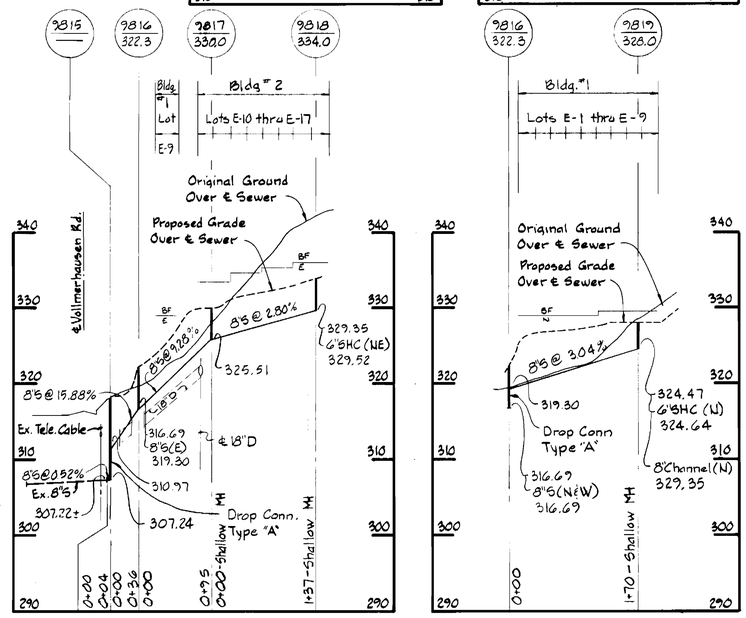


MH # 9815
Scale: 1"=5'-0"



VICINITY MAP
Scale: 1"=600'





PROFILES
Scale: H: 1"=100' V: 1"=10'

QUANTITIES			
ITEM	BID	AS-BUILT	MATERIAL/SUPPLIER
8" Sewer - LF	425		
Manholes - Ea.	5		
6" Water - LF	275		
6" Valves - Ea.	1		
Fire Hydrants	—		

BENCH MARKS

W.R.&A. B.M.#W-13 Elev. 317.30
X-Cut in Flange Bolt on Fire Hydrant at Intersection of Vollmerhausen Rd. and Polished Stone.

W.R.&A. B.M.#1 Elev. 301.62
R.R. Spike at side 18" Poplar, 50'± right of ℄ Vollmerhausen Rd. Sta. 6+00.

W.R.&A. B.M.#2 Elev. 334.54
R.R. Spike at side 18" Twin Poplar, 40'± right of ℄ Vollmerhausen Rd. Sta. 15+35.

NOTE:
Original Ground over Water & Sewer was taken from Aerial Photography prepared by Maps and Inc., and verified by field survey in March 1981.

Sediment Control Measures for this Contract will be implemented in accordance with Article 15 of the Standard Specifications and S.D.P. No. 81-111C

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

SIGNATURE — DATE 5-12-81
U.S. SOIL CONSERVATION SERVICE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard County Conservation District

APPROVED
HOWARD S.C.D. — DATE 5-12-81

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 5-15-81
CHIEF - BUREAU OF ENGINEERING — DATE 5/15/81
CHIEF - BUREAU OF UTILITIES — DATE 5/13/81
CHIEF - LAND DEVELOPMENT DIVISION — DATE 5-13-81

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 PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
3. CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF UTILITIES AT HIS EXPENSE.
4. FOR DETAILS NOT SHOWN ON THE DRAWINGS, USE HOWARD COUNTY STANDARD DETAILS.
5. FOR MATERIALS AND CONSTRUCTION REQUIREMENTS, USE HOWARD COUNTY STANDARD SPECIFICATIONS.
6. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
7. ALL VERTICAL CONTROLS ARE BASED ON USGS DATUM.
8. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED. THE COST FOR TUNNELING OR BRACING POLES SHALL BE INCLUDED IN APPROPRIATE UNIT PRICES BID.
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 AND GAS DISTRIBUTION-CUSTOMER SERVICE - 685-0123
   DAMAGE CONTROL - 234-5621
   "MISS UTILITY" - 1 - 559-0160
   CHESAPEAKE & POTOMAC TELEPHONE COMPANY - 726-6076
   AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION - 396-3553.
   BUREAU OF UTILITIES HOWARD COUNTY - 992-2906
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 APPROPRIATE UNIT PRICES BID.
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 SHALL HAVE A MINIMUM OF 3½ FEET OF COVER UNLESS OTHERWISE NOTED.
15. VALVES SHALL BE STRAPPED WHERE APPLICABLE.
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 THE STANDARD SPECIFICATIONS.
18. 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 A.C.P.
21. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
22. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
23. MANHOLES SHOWN WITH 12" WALLS ARE FOR BRICK MANHOLES ONLY.

Village of Kings Contrivance
Section 3 Areal
Parcel "E"
Part 3
Contract No. 34-0963 D

WHITMAN, REQUARDT AND ASSOCIATES
ENGINEERS
2315 ST. PAUL ST.
BALTIMORE, MARYLAND

CONTRACT NO. 34-0963 D

PLAN & PROFILES OF WATER & SEWER MAINS

COLUMBIA
VILLAGE OF KINGS CONTRIVANCE
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 1 OF 1	SCALE AS SHOWN	42-483,843

W.O. 2041

MAY 7, 1981