

Waste Water Disposal: Middle Potomac
Savage
Type of Buildings: Condominiums
No. of SHC: 0
No. of WHC: 0
No. of Units:
WATER & SEWER CODE
County Use:
Water: E 16
Sewer: 644000

GENERAL NOTES

- 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.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF UTILITIES AT HIS EXPENSE.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, USE HOWARD COUNTY STANDARD DETAILS.
- FOR MATERIALS AND CONSTRUCTION REQUIREMENTS, USE HOWARD COUNTY STANDARD SPECIFICATIONS.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON USGS DATUM.
- 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.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
STATE HIGHWAY ADMINISTRATION - 531-5588
BALTIMORE GAS AND ELECTRIC COMPANY
UNDERGROUND ELECTRIC AND GAS DISTRIBUTION-CUSTOMER SERVICE - 685-0123
DAMAGE CONTROL - 234-5621
"MISS UTILITIES" - 1-558-0100
CHESAPEAKE AND POTOMAC TELEPHONE COMPANY - 725-9976
AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION - 393-8558
BUREAU OF UTILITIES HOWARD COUNTY - 992-2366
- 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.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS AND ALONG LINE OF EXCAVATION AS DIRECTED BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN APPROPRIATE UNIT PRICES BID.
- 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.
- ALL WATER MAINS TO BE C.I.P. OR D.I.P. UNLESS OTHERWISE NOTED.
- TOP OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3 1/2 FEET OF COVER UNLESS OTHERWISE NOTED.
- VALVES SHALL BE STRAPPED WHERE APPLICABLE.
- BLOCK ALL FITTINGS WITH CONCRETE.
- 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.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
- ALL SEWER MAINS SHALL BE C.S.P.X., ~~W.P.C.~~, A.C.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" IN SIDE DIAMETER, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- MANHOLES SHOWN WITH 12" WALLS ARE FOR BRICK MANHOLES ONLY.
- PROVIDE OUTSIDE METERS SETTINGS PER STANDARD DETAIL V.3.34.

ITEM	QUANTITIES		MATERIAL/SUPPLIER
	BID	AS-BUILT	
8" Sewer - LF	1190	1577	P.V.C. BELLEVILLE SUPPLY
Manholes	9	9	ATLANTIC PRECAST CONC.
8" Water - LF	95	100	D.I.P. GRIFFIN PIPE PROD.
8" Valves	0	0	
6" Water - LF	660	578	D.I.P. GRIFFIN PIPE PROD.
6" (Excluding FHV)	1	1	FLOW INDUSTRIES
3" Water - LF	30	32	D.I.P. GRIFFIN PIPE
2" Water - LF	170	92	COPPER FLOW INDUST.
Fire Hydrants	3	3	FLOW INDUST.
3" Meter VAULT	1	1	FLOW INDUST.
2" Meter VAULT	7	4	FLOW INDUST.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
 James M. Belmonte 7-2-82
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE
 This Development Plan is approved for Soil Erosion and Sediment Control by the Howard County Conservation District
 APPROVED: Howard BCD 7-2-82
 DATE

WEATHER
 Connect 8" to existing manhole.
 NOTE - AS BUILT: FOR 2" WHC, ROADWAY VALVE WAS ELIMINATED, VALVE WAS SET INSIDE VAULT.

Sediment Control Measures for this Contract will be implemented in accordance with Article 15 of the Standard Specifications
WHITMAN, REQUARDT AND ASSOCIATES ENGINEERS
 2315 ST. PAUL ST.
 BALTIMORE, MARYLAND

CONTRACT NO. 34-1019-D

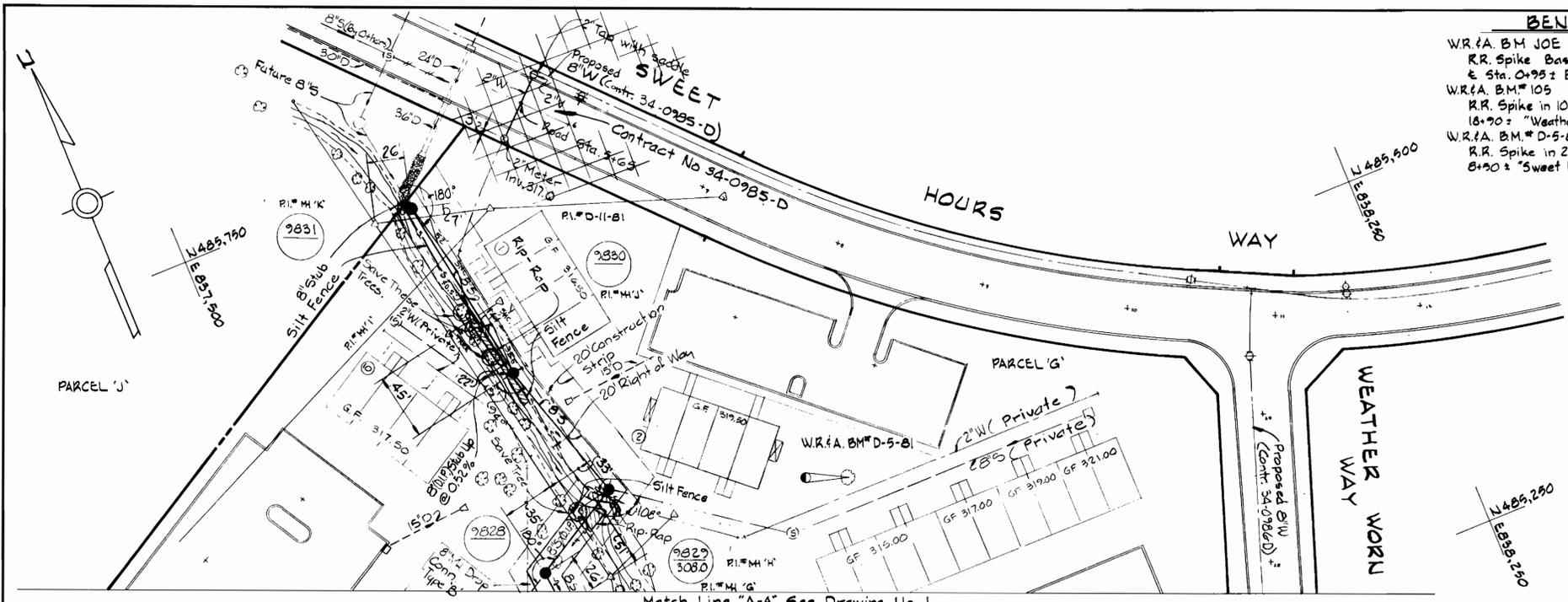
PLAN OF WATER & SEWER MAINS

COLUMBIA VILLAGE OF KINGS CONTRIVANCE ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 1 OF 2 SCALE AS SHOWN

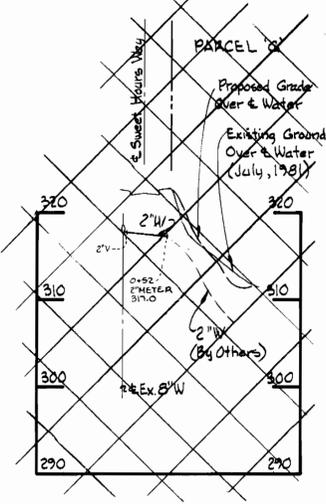
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works - DATE
 Chief - Bureau of Engineering - DATE
 Chief - Bureau of Utilities - DATE
 Chief - Land Development Division - DATE

The Pins at Dickinson Village of Kings Contrivance Section 2 Area 3 Parcel "G" Contract No. 34-1019-D
 F.B. #6614, G523
 JUNE 30, 1982



BENCH MARKS

W.R.I.A. BM JOE Elev. 309.06
 R.R. Spike Base 18" Walnut, 6' Rt. of & Sta. 0+95 ± Between P.I. M.E. & P.I. M.G.
 W.R.I.A. BM #105 Elev. 293.44
 R.R. Spike in 10" Pine, 20' Rt. of & Sta. 18+90 ± "Weather Worn Way".
 W.R.I.A. BM #D-5-B1 Elev. 327.46
 R.R. Spike in 24" Poplar 150' ± Rt. of & Sta. 8+90 ± "Sweet Hours Way".

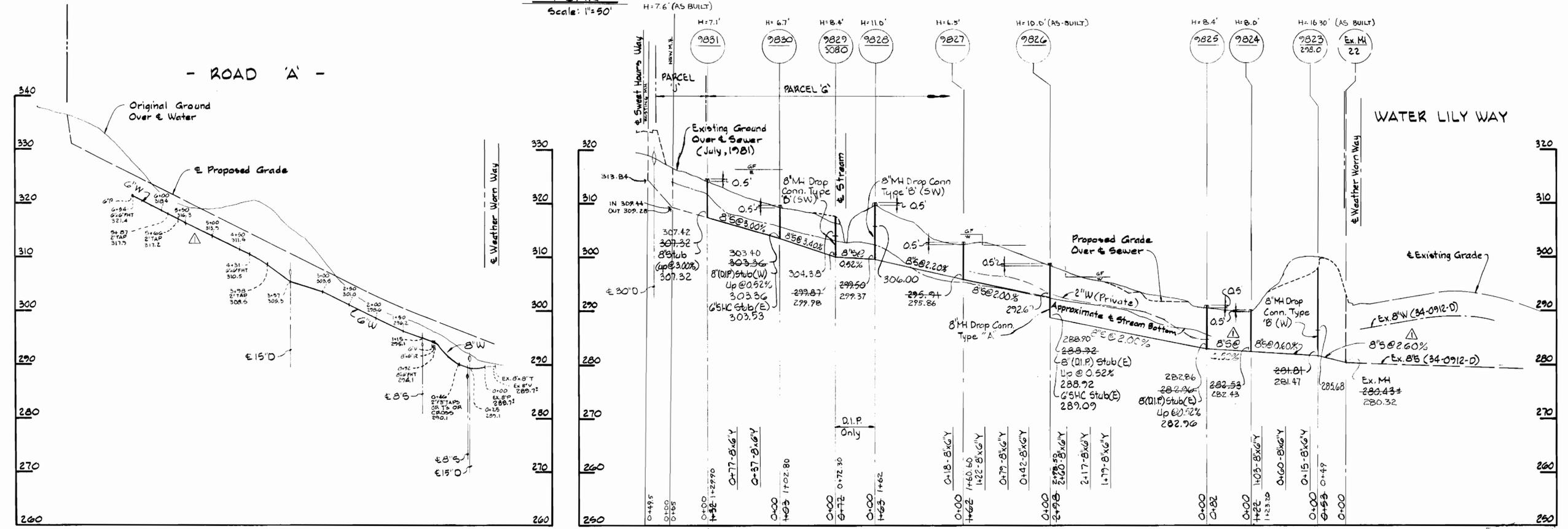


NOTE:
 Fill Around Manholes: 9824, 9825, 9826, 9827, 9828, 9830, and 9831. See Standard Details.

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

Match Line "A-A" See Drawing No. 1

PLAN
 Scale: 1" = 50'



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

QUANTITIES NOT INCLUDED IN THIS CONTRACT.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Robert M. Belcher 7-1-82
 DIRECTOR OF PUBLIC WORKS - DATE

Robert M. Belcher 7-1-82
 CHIEF - BUREAU OF UTILITIES - DATE

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

CONTRACT NO. 34-1019-D

PLAN & PROFILES OF
 WATER & SEWER MAINS

COLUMBIA
 VILLAGE OF KINGS CONTRIVANCE
 ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 2 OF 2
 SCALE AS SHOWN

7/21/82	Changed Profile
No.	DATE.
	REVISION

The Pines at Dickinson
 Village of Kings Contrivance
 Section 2 Area 3
 Parcel "G"
 Contract No. 34-1019-D