CONTRACT No.34-3655-D

BENCHMARKS

BENCH MARKS SHOWN ARE $1/2^{\circ}$ x 18" rebar w/ "Trav" cap and are based upon howard county monuments 29G4 & 29G5. See

VICINITY MAP FOR MONUMENT LOCATIONS. BENCH MARKS SHOWN WERE SET BY WHITMAN, REQUARDT & ASSOCIATES AND WERE LOCATED ON

THESE PLANS BY COORDINATE VALUES TAKEN FROM BOUNDARY SURVEY PREPARED BY WHITMAN, REQUARDT & ASSOCIATES, DATED JULY 5, 1994

WILLAGE OF RIWER HILL SECTION 4 AREA 6

HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

AREA 1

SECTION 4

AREA 3

QUANTITIES				
ETEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" SEWER	2567 LF.			
4" SEWER	1530 LF.			
MANHOLES	. 18 EA.			
VERT. FT. MANHOLES	209 LF.			
6" WATER	880 L.F.			
8" WATER	1370 LF.			
1 H, WHC	150 LF.		mortelianistis a rusy isala and dianton a nineare aus fainisty is although a fair and fail fails of a ruso of	
3/4" WHC	1435 L.F.		The second secon	
FIRE HYDRANTS	5			
6" VALVE	7		en de la companya de	
8" VALVE	2			
1/2" DEAIN	2			
The second secon			The second secon	
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:				

SHEET INDEX

TYPE OF BUILDING: NUMBER OF LOTS / PARCELS: NUMBER OF WATER HOUSE CONNECTIONS: NUMBER OF SEWER HOUSE CONNECTIONS: DRAINAGE AREA: TREATMENT PLANT:

TITLE SHEET

WATER AND SEWER PLAN

WATER AND SEWER PROFILES

WATER AND SEWER PROFILES

55 (9 EX. CONN. SECTION 4, AREA 5) 95 MIDDLE PATUXENT LITTLE PATUXENT WATER RECLAMATION PLANT SAVAGE HOWARD COUNTY

> HOWARD CO. MONUMENT 29G4 IS AT INTERSECTION OF MD. RTE. 108 AND TROTTER RD. MONUMENT 29G5 IS AN ADDITIONAL 2544'± ALONG MD. RTE. 108 AWAY FROM SITE.

BENCHMARKS

BM#1 RAILROAD SPIKE IN POLE #525680 TROTTER ROAD ELEV. 393.27 N 496697.02 E 822026.81

BM#2 RAILROAD SPIKE IN POPLAR ELEV. 438.92 N 495551.90 E 820727.80

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND ROAD CONSTRUCTION PLANS - 06-3

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND



MORRIS & RITCHIE ASSOCIATES, INC. ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS

> 110 WEST ROAD SUITE 105 TOWSON, MARYLAND 21204 (410) 821-1690 FAX (410) 821-1748



W & S CODE

COUNTY USE

WATER CODE 11D

SEWER CODE 6653000

TEST GRADIENT: 780

DES: K.D. DRN: E.J. & K.D CHK: D.M. DATE: 9/25/97 REVISION DATE 600' SCALE MAP NO.

VICINITY MAP

SCALE: 1" = 600

VICINITY MAP AND GENERAL NOTES

BLOCK NO.

GENERAL NOTES

- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY, ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO
- 2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES. NORTH AMERICAN DATUM OF 1983 (NAD 83)
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. OATA. 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. THE OWNER HAS
- ANY COST INCURRED BY THE OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING, UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- 8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS: STATE HIGHWAY ADMINISTRATION 1-410-531-5533

BG&E CO. CONTRACTOR SERVICES BG&E CO. UNDER GROUND DAMAGE CONTROL MISS UTILITY COLONIAL PIPELINE CO. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

1-410-850-4620 1-410-787-9068 1-800-257-7777 1-410-795-1390

- 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION
- 10. CONTRACTOR SHALL REMOVE TREES, STUMPS, AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- 11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF

PART II - WATER

- 1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE
- 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" COVER UNLESS OTHERWISE NOTED.
- 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES. 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 5, FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 10D5 OF THE STANDARD
- SPECIFICATIONS. 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON
- THE EXISTING WATER SYSTEM. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTEO ON PLANS OR IN
- SPECIFICATIONS. 8. SPRINKLER SYSTEM FOR ALL TOWNHOMES OR MULTI-FAMILY DWELLING UNITS SHOULD HAVE A MINIMUM OF 1" CONNECTION WITH A 3/4"

PART III - SEWER

- 1. ALL SEWER MAINS SHALL BE D.I.P. AND P.V.C. UNLESS OTHERWISE
- 2. ALL MANHOLES SHALL BE 4' 0" INSIDE DIAMETER UNLESS
- OTHERWISE NOTED. 3. FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE
- WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USEO. SET TOP OF FRAME 1'- 6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS, AND SHALL BE SET IN ACCORDANCE WITH DETAIL G S.41.
- 6. HOUSES(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

VILLAGE OF RIVER HILL

SECTION 4, AREA 6 5th ELECTION DISTRICT VMG 1-99

CONTRACT NO.34-3655-D

AS SHOWN

SHEET

1 OF 4

P:\DRAWNGS\9927\9927SHI.DWG





