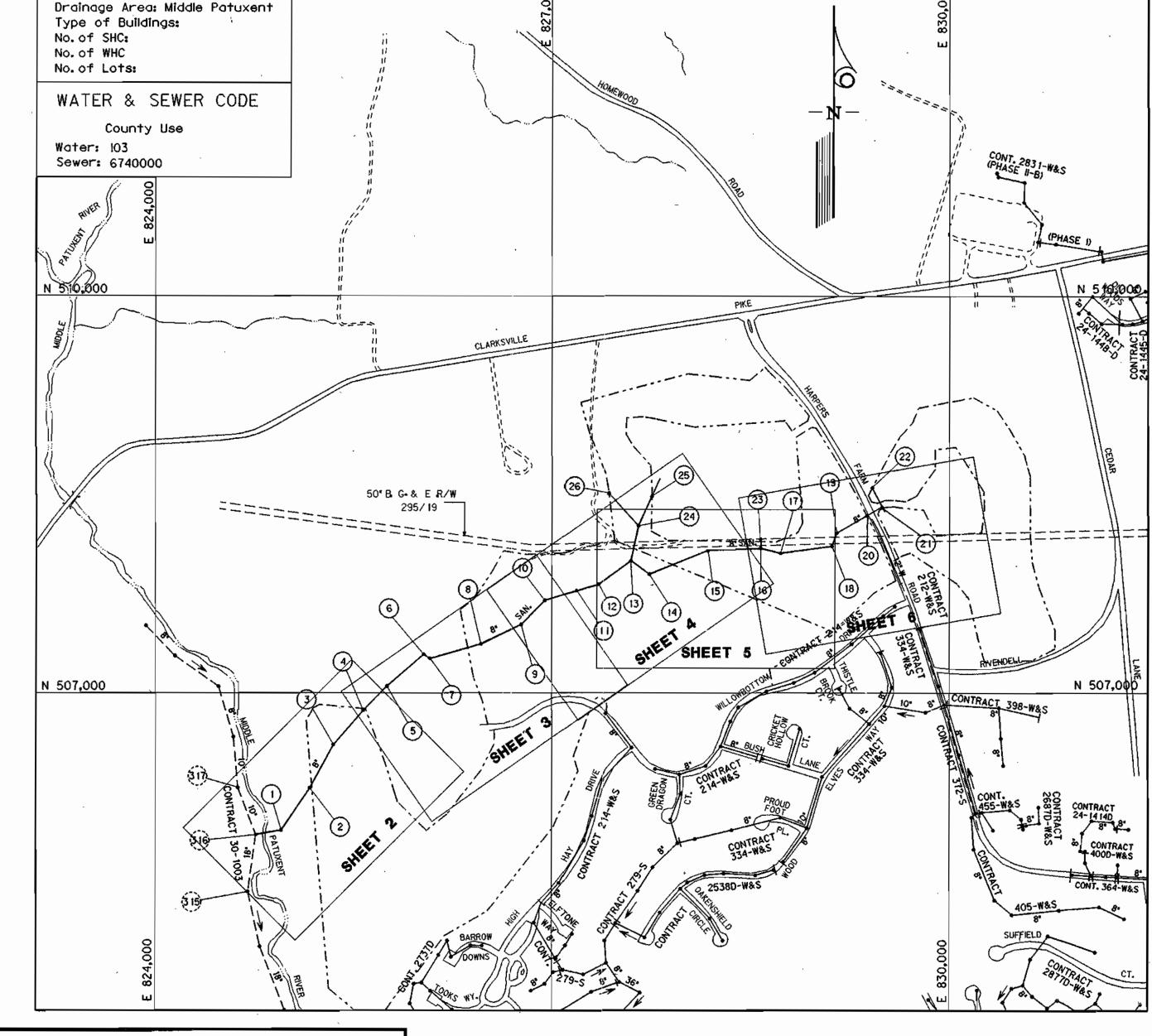
CONTRACT NO. 34-1662-D VILLAGE OF HARPERS CHOICE 8" SANITARY SEWER AND 12" WATER MAIN HOWARD COUNTY, MARYLAND

DEPT. OF PUBLIC WORKS

QUANTITIES								
ITEM ·	BID	ĄS-BUILT	MATERIAL/SUPPLIER					
8" SAN. SEWER	5256 L.F.		DIP. UMIYED STATESPRE					
SANITARY MANHOLES	2 89 V.F.	26EA	ATEAMIL ARE CH SY COME TO					
36° STEEL SLEEVE	100 L.F.	100LF						
D.T.P. SEWER	1614 L.F.		D. I. P US P. PETAVNOETES					
12" WATER	750 L.F.							
12" SLEEVE & SPACER	1 EA.	JEA						
12" 1/8 BEND	2 EA.	R	DIPUSIP & Foundary co					
12" X 8" TEE	1 EA.	R	ic 16 6 31 "					
8* WATER	75 L.F.	7						
8" 1/8 BEND	1 EA.)						
12° CAP	1.EA.	1	DIPUS, PE FO UNDRUCO					
8" CAP	1 EA.	1,	DIPOS, PEFE ender co					
24' STEEL SLEEVE	52.5 L.F.							
12" VALVE .	1 EA.	1 EA	DIPUS, PETOUMPRICO					
8°VALVE	1 EA.	IEA	11 11 11 11					



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 HORIZONTAL CONTROLS ARE BASED ON THE MARYLAND STATE PLANE COORDINATES SYSTEM REFERENCE HOWARD COUNTY CONTROL POINTS 2739002 & 2739003.
- 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 12". CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED.
- 6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.
- 7. 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 VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

STATE HIGHWAY ADMINISTRATION - 531-5533 BALTIMORE GAS & ELECTRIC CO.: CONTRACTOR SERVICES - 850-4620 UNDERGROUND DAMAGE CONTROL - 859-9004 TROUBLE SHOOTING - 298-9001

C & P TELEPHONE - 1-800-257-7777 MISS UTILITY - 1 - 559-0100 COLONIAL PIPELINE CO. - 795-1390

BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 992-2366

- 9. TREES AND SHRUBS ARE TO PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- 10. CONTRACTOR SHALL REMOVE TREES, STUMPS, AND ROOTS WITHIN THE EASEMENTS.
- 11. ALL SEWER MAINS SHALL BE C.S.P.X., D.I.P., V.C.P.X., A.C.P. CLASS 2400 OR P.V.C. UNLESS OTHERWISE NOTED.
- 12. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- 13. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- 14. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- 15. ALL MANHOLES HAVING A DEPTH OF 18 FT. OR GREATER SHALL BE CONSTRUCTED WITH AN INTERMEDIATE LANDING AS SHOWN ON HOWARD COUNTY STANDARD DETAIL G-5.15.
- 16. MANHOLES DESIGNATED W.T. IN PLAN AND/OR PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS. STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED. SET TOP OF FRAME 1.5' ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON
- 17. "FULL TRENCH COMPACTION" REQUIRED FOR ENTIRE LIMITS OF THIS PROJECT.
- 18. REFER TO "MARYLAND'S GUIDELINES TO WATERWAY CONSTRUCTION" BY THE WATER. RESOURCES ADMINISTRATION (WRA), DATED JANURARY, 1986 FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN FOR WATERWAY CONSTRUCTION.
- 19. ALL WATER MAINS TO BE D. I. P. CLASS 52 UNLESS OTHERWISE NOTED.
- 20. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3 1/2' COVER UNLESS OTHERWISE NOTED.
- 21. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 22. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 23. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- 24. INSTREAM CONSTRUCTION WILL NOT BE PERMITTED FROM MARCH 1ST, THROUGH MAY 31ST .. INCLUSIVE.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATIONS

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

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

REVIEWED FOR HOWARD SOIL CONSERVATION

U.S. SOIL CONSERVATION SERVICE

DISTRICT AND MEETS TECHNICAL REQUIREMENT

KIDDE CONSULTANTS, INC. ENGINEERS SURVEYORS PLANNERS

1020 CROMWELL BRIDGE ROAD BALTIMORE, MARYLAND 21204 (301) 321-5500

Wastewater Disposal: Savage



	DES: J.J.D.	,			
	DRN: A.B. /S.J.B.				
		J.J.D	3	ADD MH 14-A V.F. PER D.P.W. COMMENTS	423/8
	CHK: J.E.	J.J.D.	2	DEPT. OF THE ENVIRONMENT COMMENTS	1/18/8
DATE:	0 10 7	A.B.	1	COUNTY COMMENTS	8/7/8
	DATE: 2/87	₿Y	NO.	REVISION	DATE

VICINITY MAP GENERAL NOTES

600' SCALE MAP NO.__

BLOCK NO.____ 15, 16 & 21

COLUMBIA VILLAGE OF HARPERS CHOICE HOBBITS GLEN GOLF COURSE ELECTION DISTRICT NO. 5

CONTRACT NO. 34-1662-D

SHOWN SHEET 1_0F >

668AS-BUILT

