QUANTITIES QUANTITIES **ESTIMATED** 8" WATER 6" WATER 79 LF 6" YALYES 8" 16BEND FIRE HYDRAN1 & SPACER 8" ¼BEND 6" 16BEND 8" X 6" REDUCER NAME OF UTILITY CONTRACTOR SURVEY AND DRAFTING DIVISION AS-BUILT DATE

CONTRACT NO. 44-3989-D

COLUMBIA

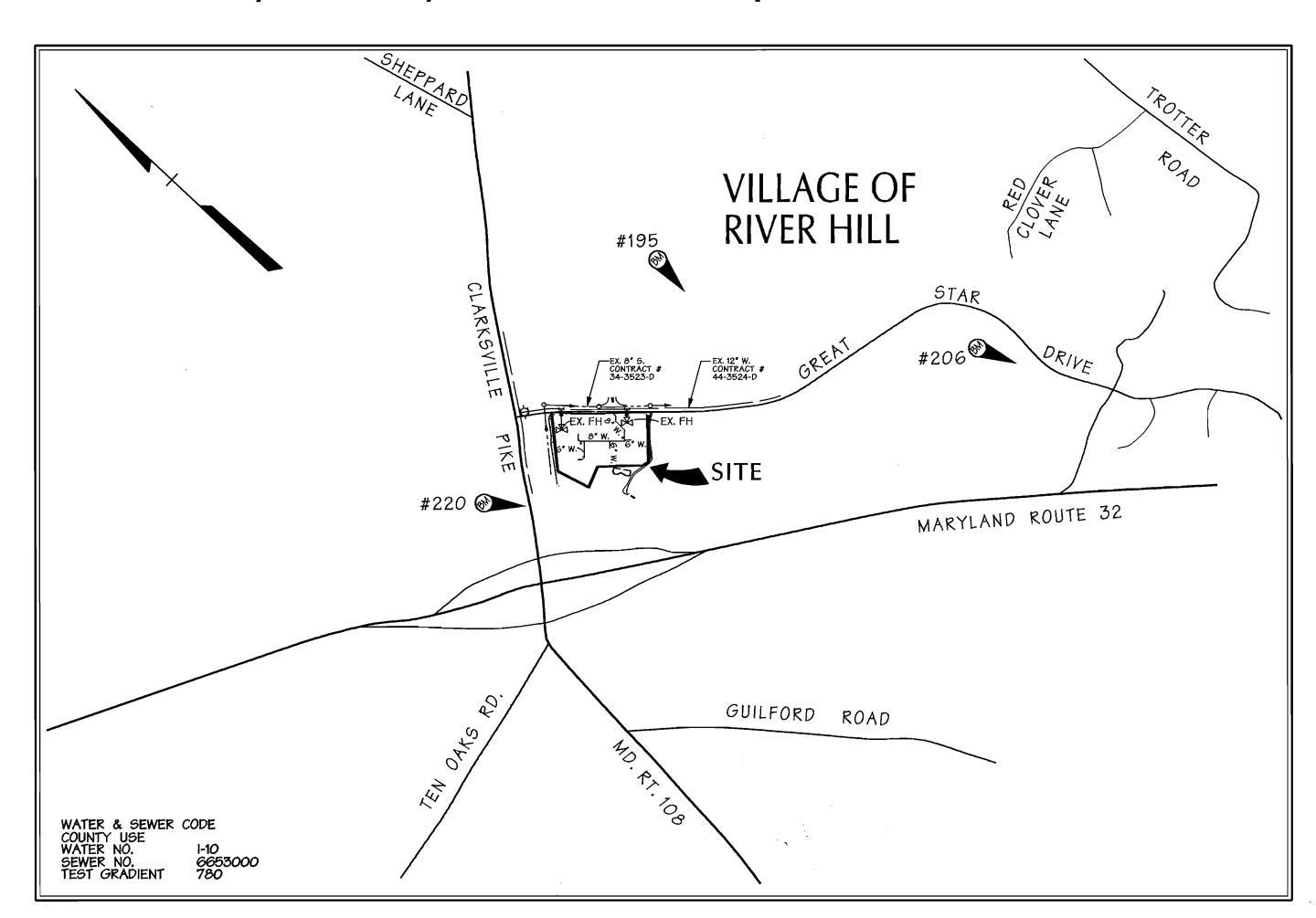
FIELDSTONE AT PLEASANT RIDGE

VILLAGE OF RIVER HILL SECTION 4 AREA 1 PHASE 1 PARCEL B-1 5th ELECTION DISTRICT

WATER CONSTRUCTION PLANS

Howard County, Maryland

Department of Public Works



SHEET INDEX

POINT No. DESCRIPTION

206

	SHEET		DESCRIPTION		
	1	COVER SHEET			
1	2	WATER PLAN & PROFILES			

SEDIMENT CONTROL MEASURES WILL

SITE DEVELOPMENT PLAN SDP 01-144

BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND

OWNER/APPLICANT

(COORDINATES BASED ON NAD27, AS PROJECTED BY HOWARD COUNTY GEOMETRIC CONTROL STATIONS No. 2445004 AND No. 2445005.)

VICINITY MAP

SCALE: 1"=600'

TYPE OF BUILDINGS:		CONDOMINIUM
NO. OF LOTS / PARCE	ELS	1
NO. OF WATER CONNI	ECTIONS:	4
NO. OF SEWER CONN	ECTIONS:	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
DRAINAGE AREA:		MIDDLE PATUXENT
TREATMENT PLANT:	LITTLE PATUXENT WATER QUALI MANAGEMENT CENTER, SAYAGE	
	MANAGEMENT CENTER, SAYAGE	, HOWARD COUNTY

HOWARD VS.C.D

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND

SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.

AND MEETS TECHNICAL REQUIREMENT

APPROVED

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

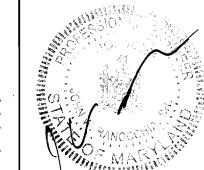
DATE

BENCHMARK

½"x18" REBAR w/ TRAY. CAP 445.28 N 561932.019 E 1331138.577 1/2"x18" REBAR w/ TRAV. CAP 374.53 N 559936.249E 1332328.583

1/2"x18" REBAR w/ TRAV. CAP 457.14 N 561238.646 E 1329635.522

Daft·McCune·Walker, Inc. Landscape Architects, Towson, Maryland 21286 Golf Course Architects, (410) 296-3333 Engineers, Surveyors & Fax 296-4705



DESIGN BY:

DFM					
DRAWN BY:					
KDE					

CHECKED BY:					
				,	
DATE:			·		
11-20-01	BY	NO.	REVISION	DATE	600 SCA

COLUMBIA FIELDSTONE AT PLEASANT RIDGE VILLAGE OF RIVER HILL SECTION 4 AREA 1 PHASE 1 PARCEL B-1

Election District No. 5 Howard County, Maryland

As Shown SHEET

SCALE:

CONTRACT NO. 44-3989-D Thu Jan 17 16:02:57 2002 n:\01015\01015.WI

TITLE SHEET 5th ELECTION DISTRICT

CALE MAP NO. <u>34 & 35</u> BLOCK NO. <u>6 & 12</u>

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 Maryland state coordinates. (North American Datum of 1983 (NAD 83))

3. All vertical controls are based on U.S.G.S. data. 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 contracted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the contractor's work requires the bracing of additional poles, 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

6. For details not shown on the drawings and for materials and construction methods use Howard County Design Manual, Volume IV, Standard Specifications and Detail for Construction (latest edition). The contractor shall have a

copy of Yolume 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 located by the contractor two weeks in 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

> State Highway Administration
> BG&E CO. Contractor Services
> BG&E CO. Under Ground Damage Control
> Miss Utility 1-800-257-7777 Colonial Pipeline CO. 795-1390 Howard County Department of Public Works Bureau of Utilities

850-4620

795-1390

787-9068 1-800-257-7777

Trees and shrubs are to be protected from damage to maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the 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 any open cut of any county road or boring/jacking operation in county roads for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirements per section 18.114(A) of the Howard County code.

PART II - WATER

shown on these plans:

1. All water main to be D.I.P. Class 52 unless otherwise noted. 2. Tops of all water mains to have a minimum of 3-1/2' cover unles's 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 1005 of the standard

6. The contractor shall not operate any water main valves on the existing water system. 7. All water house connections shall be for inside meter

setting unless otherwise noted 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" meter. Twin house connections will be 11/2" from main to "Y" fitting.

PART III - SEWER

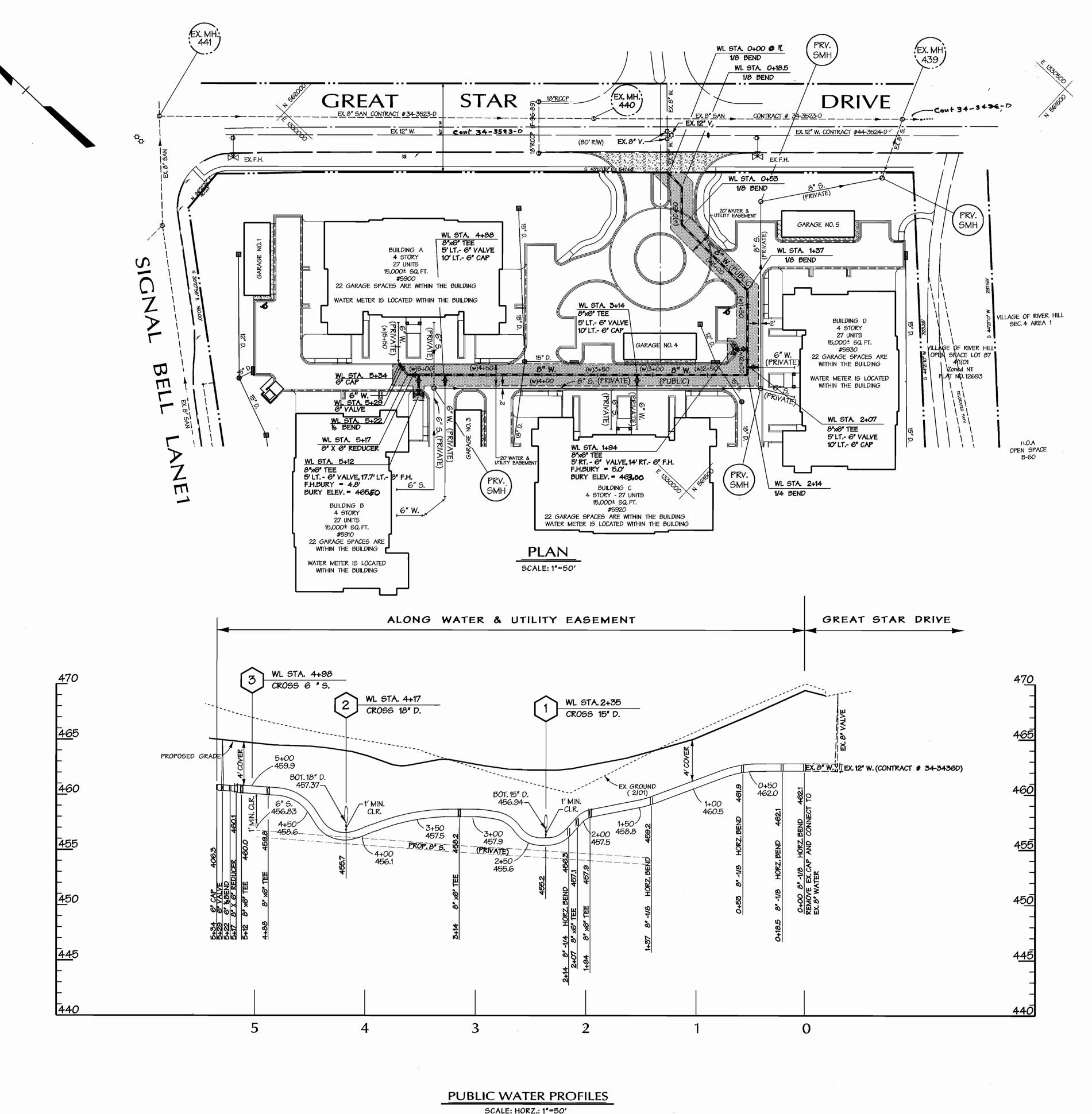
1. All sewer mains shall be DIP AND P.V.C. unless otherwise noted.

2. All manholes shall be 4'-0" inside diameter unless otherwise

3. Force mains shall be D.I.P. only.
4. Manholes shown with 12" and 16" walls are for brick manholes only. 5. 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 used, set top of frame 1" - 6" above finished grade unless otherwise noted on 6. House(s) with the symbol "C.N.S." indicates that cellar

cannot be served.



WATER MA	WATER MAIN STRUCTURE SCHEDULE				
ITEMS	COORDINATES		STATION		
TTEIVIS	NORTH	EAST	31/11/01		
8" 1/8 BEND	561,710.7	1,330,198.8	0+00		
8" 1 8 BEND	561,692.0	1,330,198.2	O+18.5		
8" 1/8 BEND	561,668.5	1,330,173.2	0+53		
8" 1 8 BEND	561,584.3	1,330,170.5	1+37		
8" x 6" TEE	561,547.8	1,330,131.7	1+94		
8" x 6" TEE	561,536.7	1,330,119.8	2+07		
8" 14 BEND	561,531.9	1,330,114.7	2+14		
8" x 6" TEE	561,604.7	1,330,046.2	3+14		
8" x 6" TEE	561,731.3	1,329,927.0	4+88		
8" x 6" TEE	561,748.8	1,329,910.6	5+12		
8" X 6" REDUCER	561,752.5	1,329,907.2	5+17		
6"%BEND	561,756.1	1,329,903.7	5+22		
6" VALVE	561,763.3	1,329,905.0	5+29		
6" CAP	561,768.3	1,329,906.0	5+34		

CONTRACTOR TO TEST PIT TO DETERMINE ACTUAL LOCATION AND ELEVATION OF EXISTING 8" WATER PRIOR TO LAYING PIPE

SCALE: HORZ.: 1"=50' VERT.: 1"=5'

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

A Team of Land Planners, Landscape Architects, Golf Course Architects, Engineers, Surveyors & Environmental Professionals



DFM DRAWN BY: CHECKED BY: 11-20-01 BY NO.

DESIGN BY: DATE | 600 SCALE MAP NO. 34 & 35 | BLOCK NO. 6 & 12 **REVISION**

COLUMBIA FIELDSTONE AT PLEASANT RIDGE VILLAGE OF RIVER HILL SECTION 4 AREA 1 PHASE 1 PARCEL B-1 WATER PLAN & PROFILE

5th ELECTION DISTRICT Election District No. 5 Howard County, Maryland

CONTRACT NO. 44-3989-D

SHEET 2 of 2

SCALE:

As Shown