

WATER & SEWER CONSTRUCTION PLANS

mation Plant, Savage Ho. Co.

MAGNOLIA MEADOWS I & II

6th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

CONTRACT NO. 24 - 3569 - D

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS.

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

F-96-15C (I) F-16-157 (II)

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

DEPARTMENT OF PUBLIC WORKS

DEPARIMENT OF PLANNING & ZONING

LDE, INC. 9250 RUMSEY ROAD, SUITE 106 COLUMBIA, MARYLAND 21045 (410) 715-1070 (301) 596-3424



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	CHECKED BDB					
	DATE July 1996					
w. l	July 1996	BY	NO.	REVISION	DATE	

TITLE SHEET

BLOCK 1

600 SCALE MAP NO. 47

MAGNOLIA MEADOWS I & II

6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

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SHEET 1 OF 4

SCALE

PROFILES BEDIMENT & EROBION CONTROL PLAN GENERAL NOTES

PART I

- 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. 3. All vertical controls are based on U.S.G.S. data.

INDEX OF SHEETS

COVER SHEET

PLAN VIEW

TITLE

- 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 contacted 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 owned the Contractor. The Contractor shall coordinate with the utility companies to schedule the bracing of the poles.
 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 (latest edition). The Contractor shall have a copy of Volume IV on the lob
- 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 (5) working days before starting work shown on these plans:

 a. SHA: 531-5533

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 b. BGE (Contractor Services): 850-4620
 c. BGE (Underground damage control): 787-9068
 d. Miss Utility: 1-800-257-7777
 e. Colonial Pipeline Company: 795-1390
 f. Howard County Dept. of Public Works, Bureau of Utilities: 313-4900
- 9. Trees and shrubs are to be protected from damage to maximum extent.

 Trees and shrubs within the construction strip are not to be removed or damaged by
- 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.

PART II: WATER

- 1. All water mains 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 unless otherwise noted.
- 3. Valves adjacent to the tees shall be strapped to the 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 strapped and buttressed with concrete in accordance with the Standard Details. Soil around the fire hydrant shall be compacted in accordance
- with Section 1000 and 1005 of the Standard Specifications.
 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

PART III: SEWER

- 1. All sewer mains to be D.I.P., and P.V.C. unless otherwise noted.
- All sewer mains to be D.I.P., and P.V.C. unless otherwise noted.
 All proposed sewers shall be public.
 All manholes shall be 4'0" inside diameter unless otherwise noted.
 Force mains shall be D.I.P. only.
 Manholes designated W.T. in plan and profile shall have water tight 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 the drawings.
 Houses with the symbol "C.N.S." indicates that cellar cannot be served.
 Manholes shown with 12" and 16" walls are for brick manholes only.

QUANTITIES

			A	IS BUILT 02-11-98	
ITEM	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER/SUPPL	.IER
8"\$	376 L.F.	381 L.F.	P.V.C. (50R 35)	J.M. Mainfacturing / A-1 Pipe	
4"C.I.P.(Water)	427 L.F.	417 L.E	0.I.P.	Atlantic States/A-1 Fipe	
601.P (Witer)		20 L.F.	D.1.P.	Atlantic States / A-1 Pipe	
6" + 4" Reducer	1 Ea.	i ea.	M.J. Fitting	Tyler Pipe /h-1 Pipe	
4" 18 Horz. Bend	2 Ea.	2 Ea.	M.J. Fitting	Tyler Pipe /A-1 Pipe	
12"x 6" T5 \$V	I Ea.	1 E.a.		Muzller /A-1 Pipe	
4" Cop & Buttress	160.	1 Ea.		Tyler Pipe /A-1 Pipe	
1 1/2" Drain	1 Ea.	1 Ea.		Mueller /A-1 Pipe	
3/4" WHC	82 L.F.	91 L.F.	"K" Copper	Cerro Copper / A-1 Pipe	
1" WHC	86 L.K	98 L.F.	"K" Copper	Cerro Copper / A-1 Pipe	
4"SHC	346 L.F.	386 L.F.		J.M. Manufacturing / A-1 Pipe	
Std. Manhole	2 Ea.	2 Ea.	Precision Concrete	Atlantic Concrete	
B 5.14 NH	180.	i Ea.	DOG HOUSE PRECIOST	Atlantic Concrete	
AE OF UTILITY CONTRACTO	OR:			CHECK BOX:	
				SURVEY & DRAFTING DIVISION AS BUILT DATE:	02-11-5





