

Type of Build: Residential
 Number of Parcels: 3
 Sewer House Conn.: 3
 Drain. Area: Little Patuxent

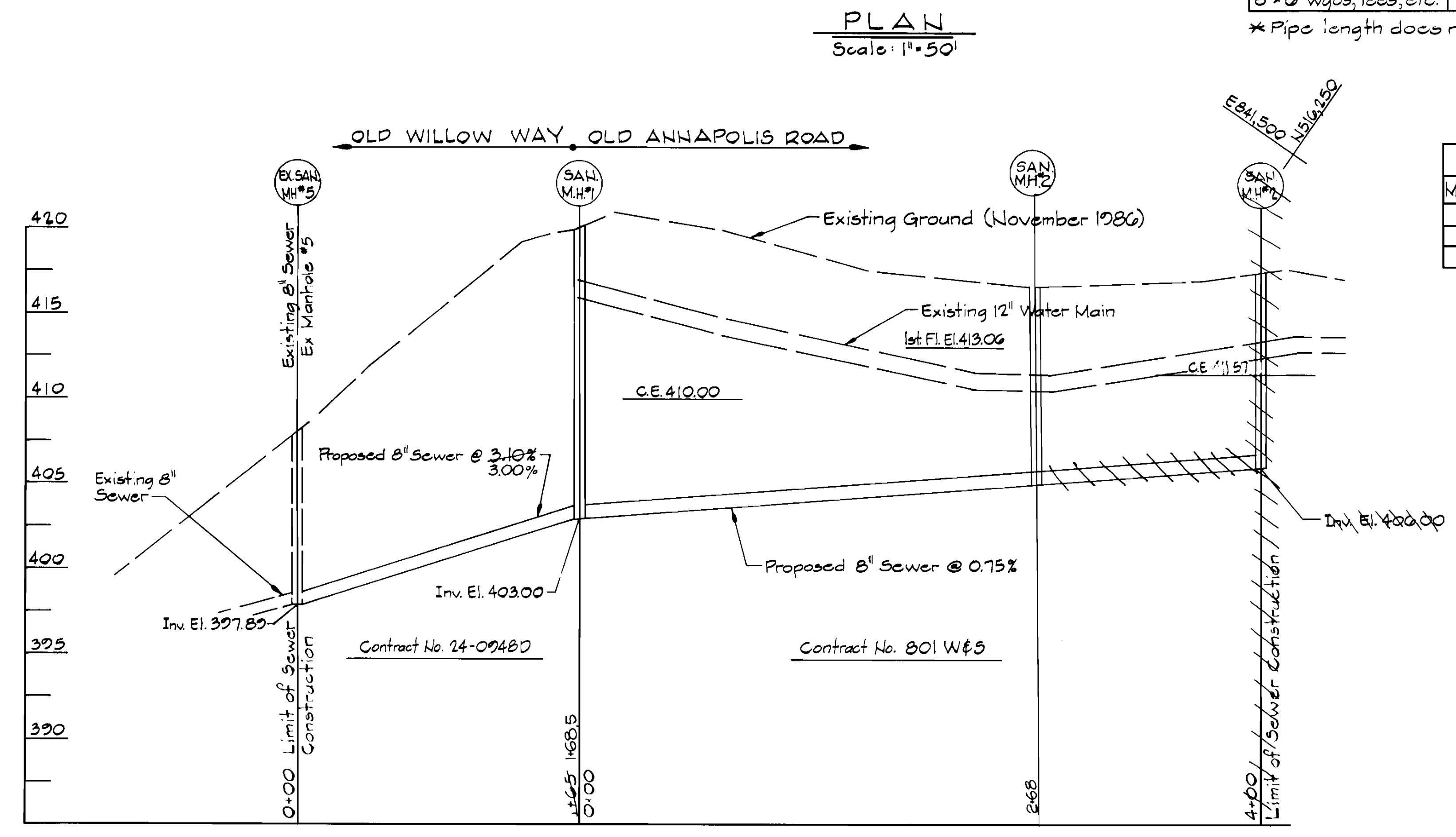
VICINITY MAP
 Scale: 1"=600'

Sewer Code For County Use Only:
 Sewer No. 5740300

ITEM	QUANTITIES		TYPE	SUPPLIER
	ESTIM.	AS BUILT		
8" Sewer	537 L.F. *	4275 LF		
Manholes	2	2		
Manhole Depth	28 V.F.			
6" Sewer House Con.	170 L.F.	164 LF		
8" x 6" Wye's, Tees, etc.	3	2		

* Pipe length does not include the distance through the manhole.

MANHOLE STAKEOUT TABLE		
MANHOLE	DISTANCE	OFFSET
1	142' FROM T.P.#1 TOWARDS T.P.#2	24' RIGHT
2	542' FROM T.P.#1 TOWARDS T.P.#2	25' RIGHT



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

6-8-87
 DATE

6-17-87
 DATE

WALLACE, MONTGOMERY & ASSOCIATES
 9 W. 29TH STREET
 BALTIMORE, MARYLAND 21218
 (301) 235-7600

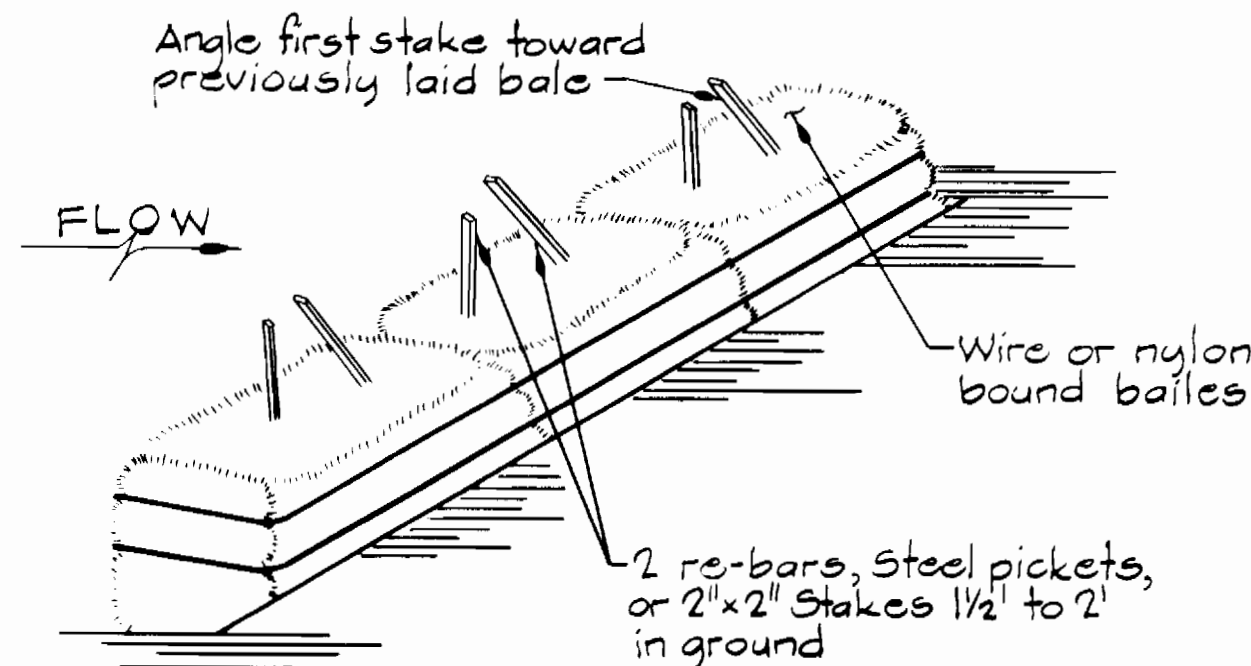
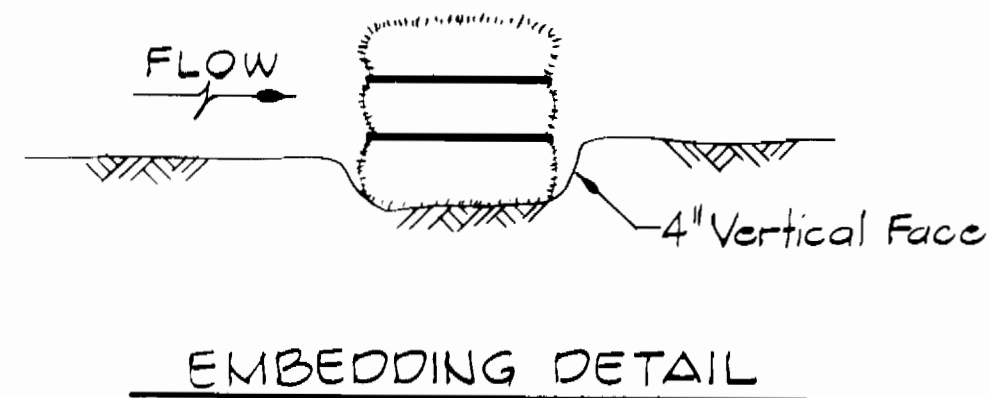
DES: J.C.W.
 DRN: S.W.S.
 CHK: J.C.W.
 DATE: 3-30-87

PLAN AND PROFILE OF
 SEWER EXTENSION

OLD ANNAPOLIS ROAD ROUTINE SEWER EXTENSION
 CAPITAL PROJECT S-6687
 CONTRACT NO. 20-1606
 ELECTION DISTRICT NO. 2
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 2

SOIL EROSION AND SEDIMENT CONTROL NOTES



CONSTRUCTION SPECIFICATIONS

1. Bales shall be placed in a row with ends tightly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a minimum of 4"
3. Bales shall be securely anchored in place by stakes or re-bars driven thru the bales. The first stake in each bale shall be angled toward previously laid bale to force bales together.
4. Inspection shall be frequent and repair or replacement shall be made promptly as needed.
5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

Standard Symbol
S.B.D.

STRAW BALE DIKE DETAIL

Not to Scale

1. The Contractor will comply with all requirements of Sediment and Erosion Control set forth in the Contract Drawings, 1983 "Maryland Standards and Specifications for Soil Erosion and Sediment Control", and Volume III - Section 210 of the Howard County Design Manual, Volume IV.
2. The Contractor shall not pump from excavated areas directly into the Howard County Storm Drainage System or any Natural Water Course. Where ground water is encountered during construction, the Contractor shall provide portable or excavated Sediment Traps to prevent Silted Trench water from entering Storm Drainage Systems or natural waterways.
3. All excavated material shall be placed on the high side of the trench whenever possible, and confined to an area where it will not obstruct the normal flow or drainage courses.
4. All swales shall be equipped with a Sediment Retention device to trap sediment and filter water leaving the Right-of-Way prior to entering any running stream.
5. The Contractor shall provide Straw Bale Dikes normal to surface water flow around all vehicle and equipment staging areas as shown in "Detail of a Straw Bale Dike" enclosed in specifications.
6. Road side ditches and drainage pipes shall be restored to a condition equal to or better than the original condition following completion of construction.
7. The Contractor shall dispose of spoils in accordance with good Soil Conservation practice and in such a manner that none can be carried into any drainage facility or water course. The Contractor shall be responsible for disposing of all spoil or excess excavated material on a site approved by the Soil Conservation District. Documentation of approval and site shall be provided to the Engineer prior to beginning work.
8. The Howard County Soil Conservation District must be notified in writing by the Contractor as to where excess material will be disposed or borrow material will be obtained. Prior to beginning any work on this project, copies shall be provided to the Engineer.
9. Continuous inspection and maintenance of all Sediment and Erosion Control devices will be required.
10. The Contractor shall provide additional Soil Erosion and Sediment Control as required by the Sediment Control Inspector, as the work progresses or requires.
11. The Contractor shall notify in writing, a Howard County Sediment Control Division representative at least three (3) days prior to starting work. Please contact: Howard County - *292-2436. Copies shall be provided to the Engineer.
12. The Contractor shall place a stabilized construction entrance as shown in the Howard County Standard Details, G6.11 where shown on the Plans unless otherwise directed by the Engineer.
13. Sediment Removal - all trapped sediment is to be removed and disposed of at the authorized landfills prior to removal of Sediment Control structures.
14. Following initial soil disturbance, or redisturbance, permanent or temporary stabilization shall be completed within:
 - A. Seven (7) calendar days for all perimeter Sediment Control structures, dikes, swales, ditches, perimeter slopes and all slopes and all slopes greater than 3:1.
 - B. Fourteen (14) days as to all other disturbed or graded areas on the project site.

RESTORATION SCHEDULE		
LOCATION	LENGTH	MATERIAL
Ex. M.H. to M.H.#1	165' left & right	PAVING
	100' right	CONC. CURB
M.H.#1 to S.H.C. @ 0+04	84' left & right	PAVING
	55' left	CONC. CURB
	55' left & right	SOD
S.H.C. @ 0+04 to S.H.C. @ 2+02	118' left	PAVING
	45' left	CONC. CURB
	118' left & right	SOD
S.H.C. @ 2+02 to M.H.#2	108' left	PAVING
	108' left & right	SOD

<p>DEVELOPER'S CERTIFICATION</p> <p>"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR CONTROL OF SEDIMENT, AND EROSION BEFORE BEGINNING THE PROJECT."</p> <p>BUREAU OF ENGINEERING DATE _____ DEPARTMENT OF PUBLIC WORKS</p>	<p>ENGINEER'S CERTIFICATION</p> <p>I CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.</p> <p><i>John Wallace</i> 3-30-87 DATE WALLACE MONTGOMERY & ASSOCIATES 9 W 29 TH STREET BALTIMORE, MD. 21218 301-235-7600</p>	<p>REVIEWED FOR HOWARD COUNTY S.C.D. MEETS TECHNICAL REQUIREMENTS.</p> <p><i>John McNeil</i> 6-4-87 DATE U.S. SOIL CONSERVATION SERVICE</p> <p>THIS DEVELOPMENT PLAN IS APPROVED FOR THE SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.</p> <p><i>[Signature]</i> 6/10/87 DATE APPROVED DATE HOWARD COUNTY S.C.D.</p>
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DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 6-17-87 DATE
DIRECTOR OF PUBLIC WORKS

[Signature] 6/10/87 DATE
CHIEF, BUREAU OF UTILITIES

WALLACE, MONTGOMERY & ASSOCIATES
9 W 29TH STREET
BALTIMORE, MARYLAND 21218
(301) 235-7600

John Wallace

DES: J.C.W.	
DRN: S.W.S.	
CHK: J.C.W.	
DATE: 3-30-87	
BY: NO.	REVISION
DATE	

DETAILS OF SEWER EXTENSION

600' SCALE MAP NO. 24 # 30. BLOCK NO. _____

OLD ANNAPOLIS ROAD ROUTINE SEWER EXTENSION
CAPITAL PROJECT S-6687
CONTRACT NO. 20-1606
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 OF 2