

Note:  
Elevations shown on each lot indicate the minimum basement floor elevation for said lot that can be gravity served by 8" sanitary line to be constructed under this contract.

**BENCH MARKS**

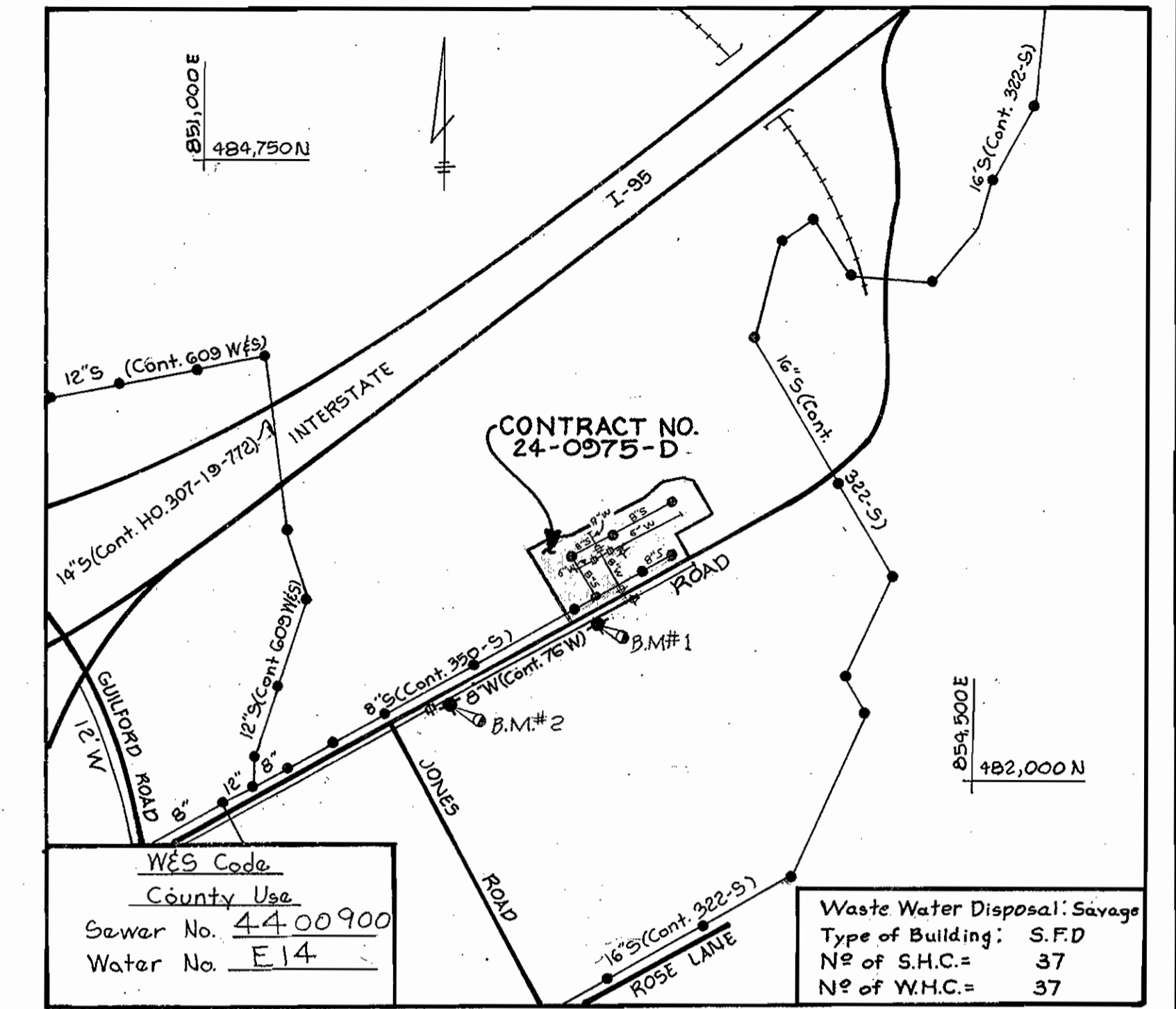
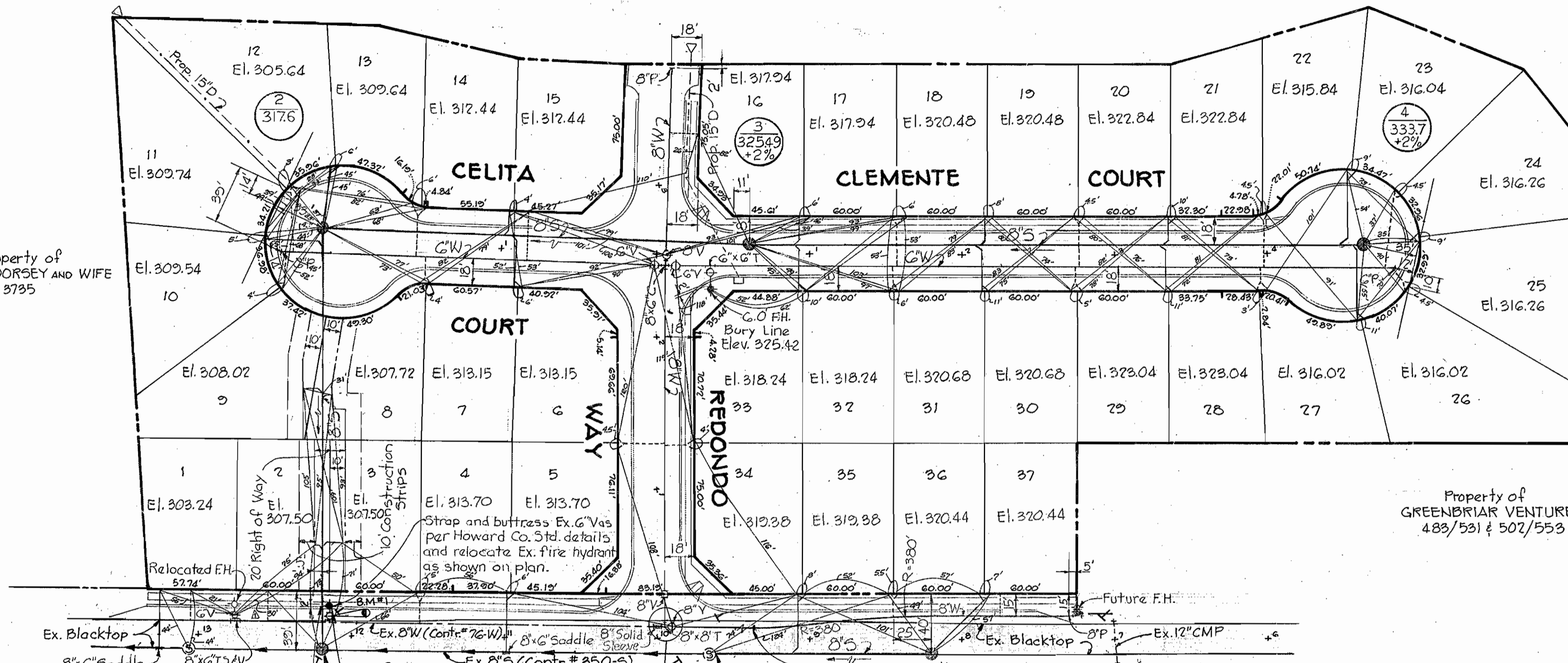
B.M.#1 Elev. 312.54  
Top of Fire Hydrant in Mission Road next to C&P Pole #3

B.M.#2 Elev. 305.27  
Top of Fire Hydrant in Mission Road next to C&P Pole #6

Property of GREENBRIAR VENTURE  
483/531 & 502/553

Property of R.W. DORSEY AND WIFE  
P. 3735

Property of GREENBRIAR VENTURE  
483/531 & 502/553



**VICINITY MAP**  
Scale 1"=600'

WES Code \_\_\_\_\_  
County Use \_\_\_\_\_  
Sewer No. 4400900  
Water No. E14

Waste Water Disposal: Sewage  
Type of Building: S.F.D.  
No of S.H.C.= 37  
No of W.H.C.= 37

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE SPECIFICATIONS AND FINAL PLAN #F 01-03

HOWARD SOIL CONSERVATION DISTRICT REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*Ray J. Reckman* 6-2-81  
U.S. SOIL CONSERVATION SERVICE DATE

*William T. Rowe* 6-2-81  
HOWARD SOIL CONSERVATION DISTRICT DATE

Mission Heights  
Section One Area One  
Contract No. 24-0975-D

3.3.81 DATE

Item	Estimated	As Built	Material/Supplier
8" Sewer	1,025 L.F.	1,106.83 L.F.	LOGAN / ARP SUPPLY
Manholes	58 V.F.	59.85 L.F.	ATLANTIC PRECAST
8" Water	572 L.F.	574.0 L.F.	DIP-ATLANTIC
6" Water	780 L.F.	753.0 L.F.	" "
8" Valves	3	3	MUELLER / A&P
6" Valves (Excl. F.H.V's)	2	4	" "
Fire Hydrants	1	1	AMERICAN DARLING/A&P

STATE OF MARYLAND  
ANGEL M. HARRIS  
REGISTERED PROFESSIONAL ENGINEER

*William T. Rowe*  
PROFESSIONAL ENGR. NO. 3566

NO.	DATE	REVISION
1	10/14/81	Relocated Ex. F.H. on Mission Road and Revised Sewer as per shift in topo

RIEMER-TRACY & ASSOCIATES, INC. 8659 BALTIMORE NATIONAL PIKE ELLCOTT CITY, MARYLAND 21043	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 6-9-81 DIRECTOR OF PUBLIC WORKS DATE	CHIEF, LAND DEVELOPMENT DIVISION 6-8-81 CHIEF, BUREAU OF ENGINEERING DATE	CHIEF, BUREAU OF UTILITIES 6-4-81 DATE	CONTRACT NO. 24-0975-D	PLAN OF WATER AND SEWER MAINS	MISSION HEIGHTS SECT-1, AREA-1 ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. OF 2	SCALE 1"=50'	POSITION SHEET 42-483/854 47-482/854
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APRIL 20, 1981

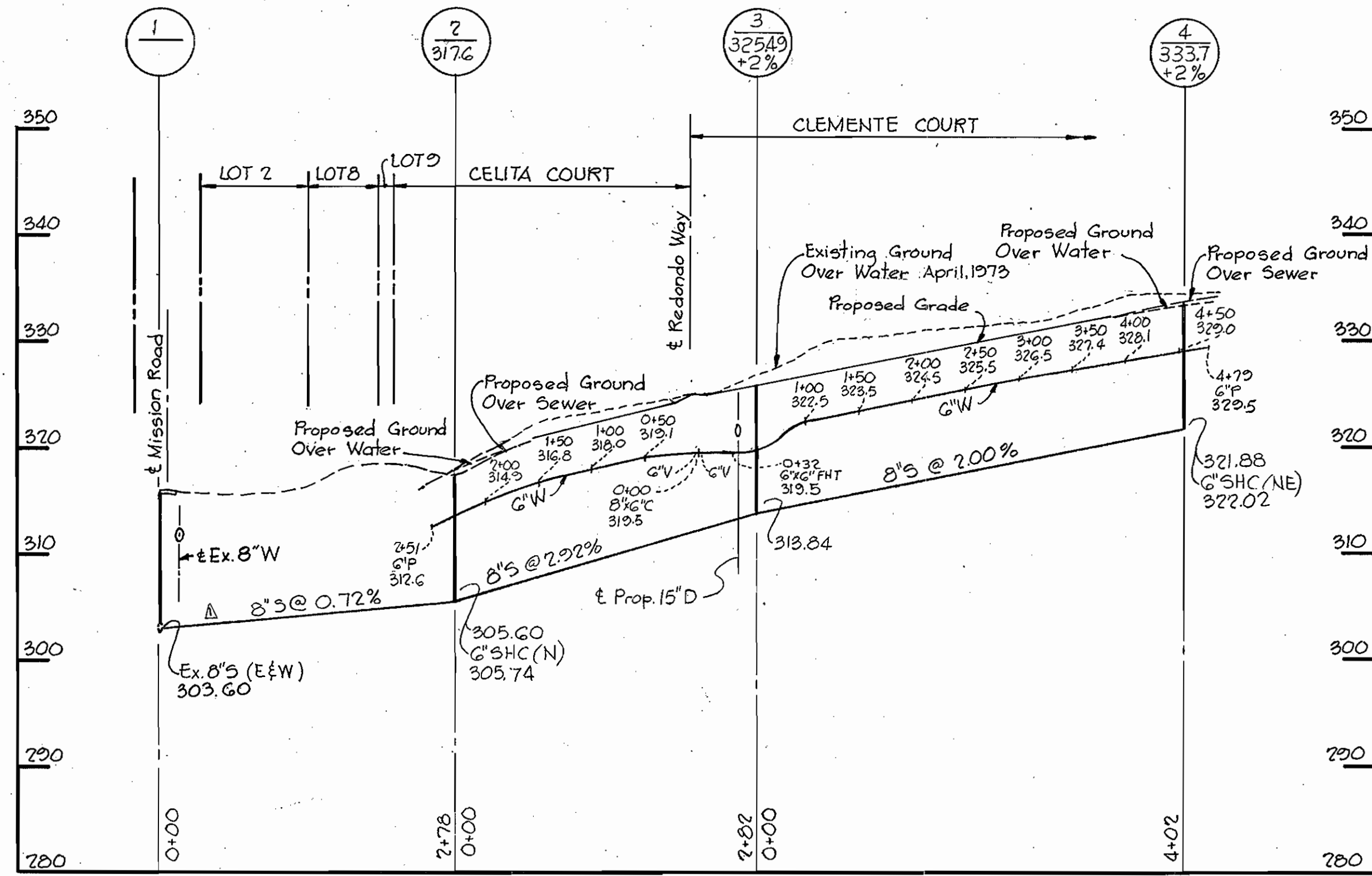
AS-BUILT Nov 24, 1981

WS 975-WS/1

**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.
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 6". Clear all poles by 2'-0" minimum or tunnel as required. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
6. For details not shown on the drawings use Howard County Standard Details.
7. For materials and construction methods use Howard County Standard Specifications.
8. Contractor shall locate existing utilities a minimum of two (2) weeks in advance of construction operations in the vicinity of proposed utilities at his own expense.
9. Contractor shall notify the following utilities or agencies at least five (5) working days before starting work shown on these plans:  
 State Highway Administration - 531-5322  
 BGE - Underground Gas Distribution - Customer Service - 685-0123  
 Engineering - Damage Control - 234-5621  
 Miss Utility - 1-559-0100  
 Chesapeake and Potomac (C&P) Telephone Company - 725-9976  
 American Telephone and Telegraph - Cable Location Division - 393-3553  
 Colonial Pipeline Company - 731-4641  
 Bureau of Utilities - Howard County - 992-2366
10. Trees are to be protected from damage to maximum extent. Trees located within the construction strip are not to be removed or damaged by the contractor.
11. Contractor shall remove trees, stumps and roots along line of excavation as directed by the Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill.
12. Place regulation "Man Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
13. All water mains to be C.I.P. or D.I.P. unless otherwise noted.
14. Top of all water mains to have a minimum of 3'-1/2" cover unless otherwise noted.
15. Valves adjacent to trees shall be strapped to trees.
16. Block all fittings with concrete.
17. Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with standard details. Soil around the fire hydrant to be compacted in accordance with Section 5-15 of the Standard Specifications.
18. All water house connections shall be for an inside meter setting.
19. The contractor shall not operate any water main valves on the existing system.
20. All sewer mains shall be C.S.P.X., V.C.P.X., or A.C.P. Class 2400 unless otherwise noted.
21. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
22. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
23. Force mains shall be D.I.P. only.
24. Manholes shown with 12" and 16" walls are brick manholes only.
25. Manholes designated W.T. in plan and profile shall have watertight frame and covers, Standard Detail 5-12 (RCR-63A). Where watertight frame and cover is used, set top of frame 1'-6" above finished grade.
26. House(s) with the symbol "C.N.S." indicates that cellar can not be served.
27. All water house connections shall have a minimum vertical clearance of 12" above all sanitary sewer crossings.
28. All sanitary sewer house connections shall have a minimum vertical clearance of 12" below all water main crossings.

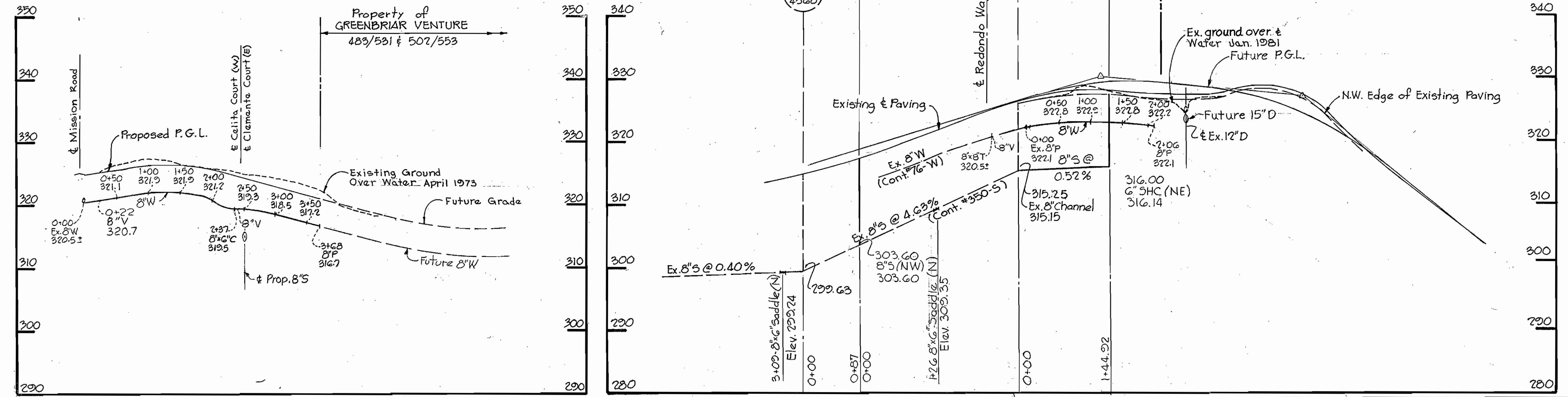
**CELITA COURT CLEMENTE COURT**



Note: Manholes #1 and #5 to be built to existing grade.

**MISSION ROAD**

**REDONDO WAY**



NO. DATE 10/14/81 Relocated Ex. F.H. on Mission Road and Revised Sewer's per shift in to go REVISION

Mission Heights Section One Area One Contract No. 24-0975-D

3.3.81 DATE  
 STATE OF MARYLAND PROFESSIONAL ENGINEER  
 JOHN K. JAMES  
 PROFESSIONAL ENGR. NO. 2166

RIEMER-TRACY & ASSOCIATES, INC. 8659 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21043	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND CHIEF, LAND DEVELOPMENT DIVISION DATE DIRECTOR OF PUBLIC WORKS DATE CHIEF, BUREAU OF ENGINEERING DATE CHIEF, BUREAU OF UTILITIES DATE	CONTRACT NO. 24-0975-D	PROFILES OF WATER AND SEWER MAINS	MISSION HEIGHTS SECT.-1, AREA-1 ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 2	SCALE H:1"=100'
					OF 2	V:1"=10'

APRIL 20, 1981

WS 975-WS/2