

**CONTRACT NO. ~~2699~~ D W&S**  
**VILLAGE OF KINGS CONTRIVANCE**  
**HOWARD COUNTY, MARYLAND**  
**DEPARTMENT OF PUBLIC WORKS**

QUANTITIES	
ITEM	QUANTITY
8" Sewer	5062 L.F.
6" Water	1,464 L.F.
8" Water	1,531 L.F.
12" Water	810 L.F.
Fire Hydrants	8

NOTE: Water pipe is D.I.P. class 52  
 Sewer pipe is A.C.P. class 2400.



*Thomas W. Wood*  
 Village of Kings Contrivance  
 Part 2 of 4  
 Section 1 Area 1  
 Contract No. 2699 D W&S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>P. J. Reed</i> 11-22-76 DIRECTOR OF PUBLIC WORKS - DATE	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>W. O. Wood</i> 11-22-76 CHIEF BUREAU OF ENGINEERING - DATE	CONTRACT NO. <del>2699</del> D W&S	LOCATION MAP OF WATER & SEWER MAIN EXTENSIONS	COLUMBIA VILLAGE OF KINGS CONTRIVANCE ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 1 OF 6 SCALE 1"=800'
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As Built 6-77-77mm. November 16, 1976

WS 699-D-W&S/1

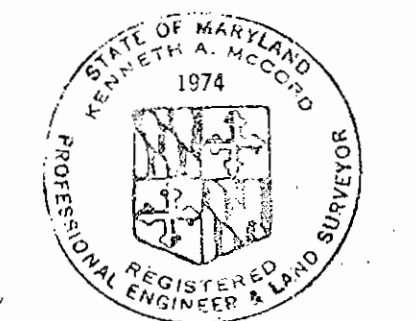
W. O. 6920-2

PRINTING 24 510 18397

**GENERAL NOTES**

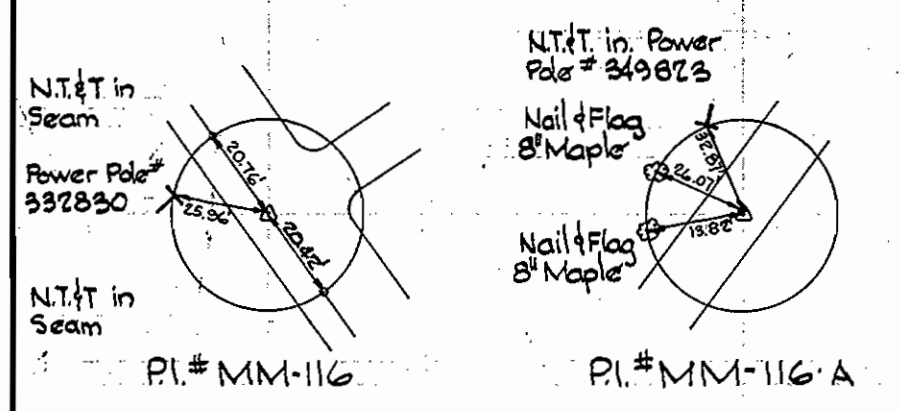
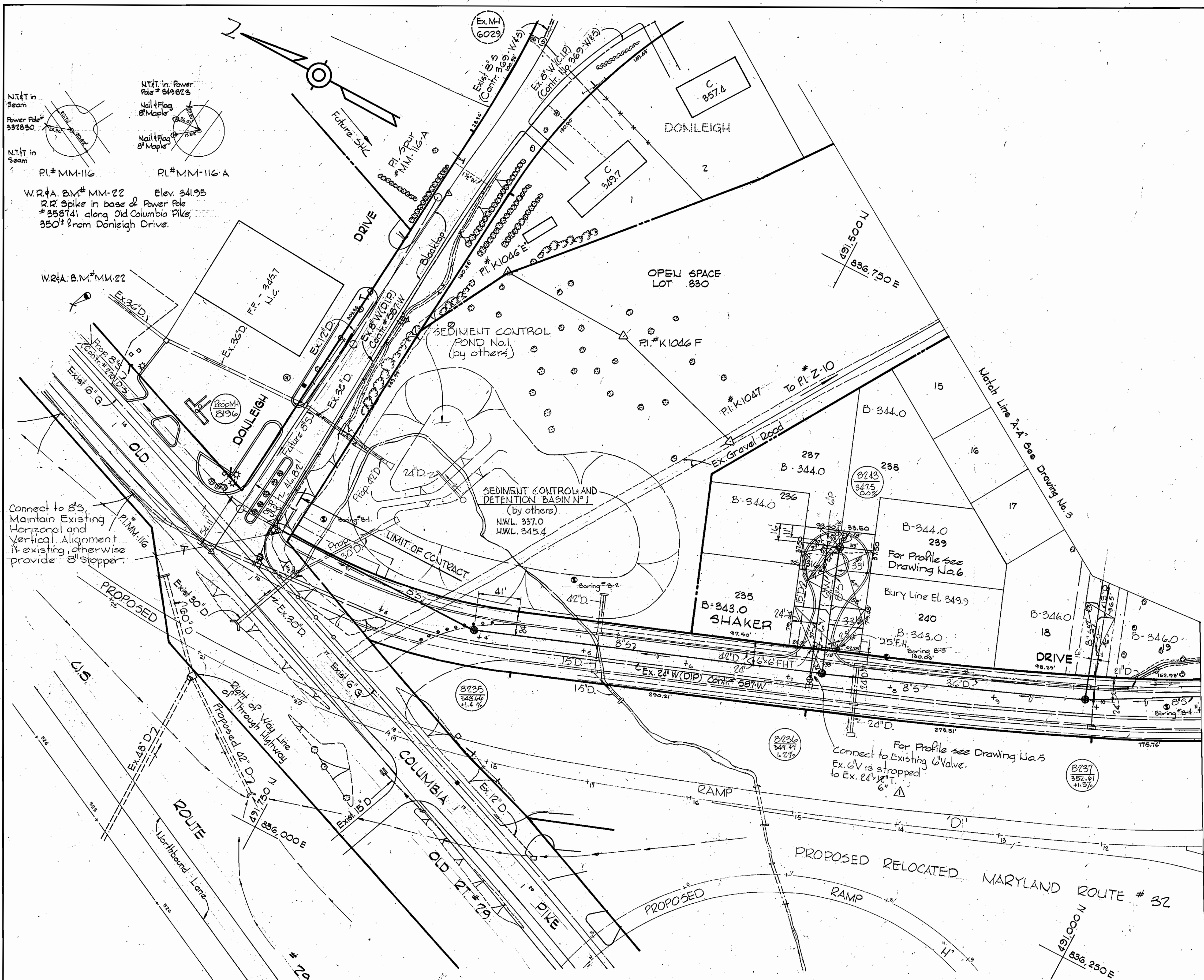
1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply.
2. All pipe elevations shown are invert elevations.
3. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. For all standard details see standards bound in Specifications.
5. Clear all utilities by a minimum of 6', clear all poles by a minimum of 2'-0" or tunnel as required.
6. All water mains to have a minimum of 3 1/2' cover.
7. Payment for strapping fire hydrants and valves will be included in unit price bid for furnishing and laying water mains.
8. Block all fittings with concrete see standards bound in Specifications.
9. All fire hydrants shall be strapped and buttressed in accordance with standard details. Soil around the fire hydrants shall be compacted in accordance with Section 5-15 of the Standard Specifications.
10. All W.H.C.'s to be 3/4" diameter unless otherwise noted.
11. Bury Line elevations on fire hydrants shall be set to elevations shown on drawing.
12. All valves shall be strapped to trees where applicable in accordance with the standard Details.
13. Water services shall be for inside meter setting.
14. All water mains to be C.I.P., D.I.P. or A.C.P. unless otherwise noted.
15. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
16. All manholes to be 4'-0" inside diameter.
17. Manholes shown with 12" walls are for brick manholes only.
18. Manholes designated W.T. in plan and profile shall have watertight frames and covers.
19. All sewer mains shall be C.S.P.X., V.C.P.X. or A.C.P. Class 2400, unless otherwise noted.
20. Ground over & water and/or sewer was taken from contour maps based on aerial photography except where labeled existing and dated.
21. All horizontal and vertical controls are based on Maryland State Datum.
22. Basement elevations shown are the minimum elevations which can be served by sewer mains.
23. The Contractor shall notify the following utilities or agencies, at least five (5) days before starting work shown on these plans:
  - Baltimore Gas and Electric Company.
  - Underground Electric - 234-5691.
  - Underground Gas - 559-0100.
  - Chesapeake and Potomac Telephone Company - 727-9976.

NOTE:  
Auger Borings were made by the Chesapeake Drilling Company for Purdum & Jeschke in September, 1973. Complete Logs are available at the Howard County Department of Public Works.



*Kenneth A. McCord*

Village of Kings Contrivance  
Section 1 Area 1  
Part 2 of 4  
Contract No. 2699 D-W&S



WR&A B.M.# MM-22 Elev. 341.95  
R.R. Spike in base of Power Pole #558741 along Old Columbia Pike, 350' from Donleigh Drive.

Connect to 8" S  
Maintain Existing Horizontal and Vertical Alignment if existing, otherwise provide 8" stopper.

S.D.C. B.M.# 44 Elev. 356.65  
N.E. corner inlet approx 20' off east edge, Old Columbia Pike, 100' north of Md. Rt. #32.

No.	Date	Revision
1	12-7-76	Rev. Ex. 24"x12" T to read Ex. 24"x6" T - Shaker Dr.

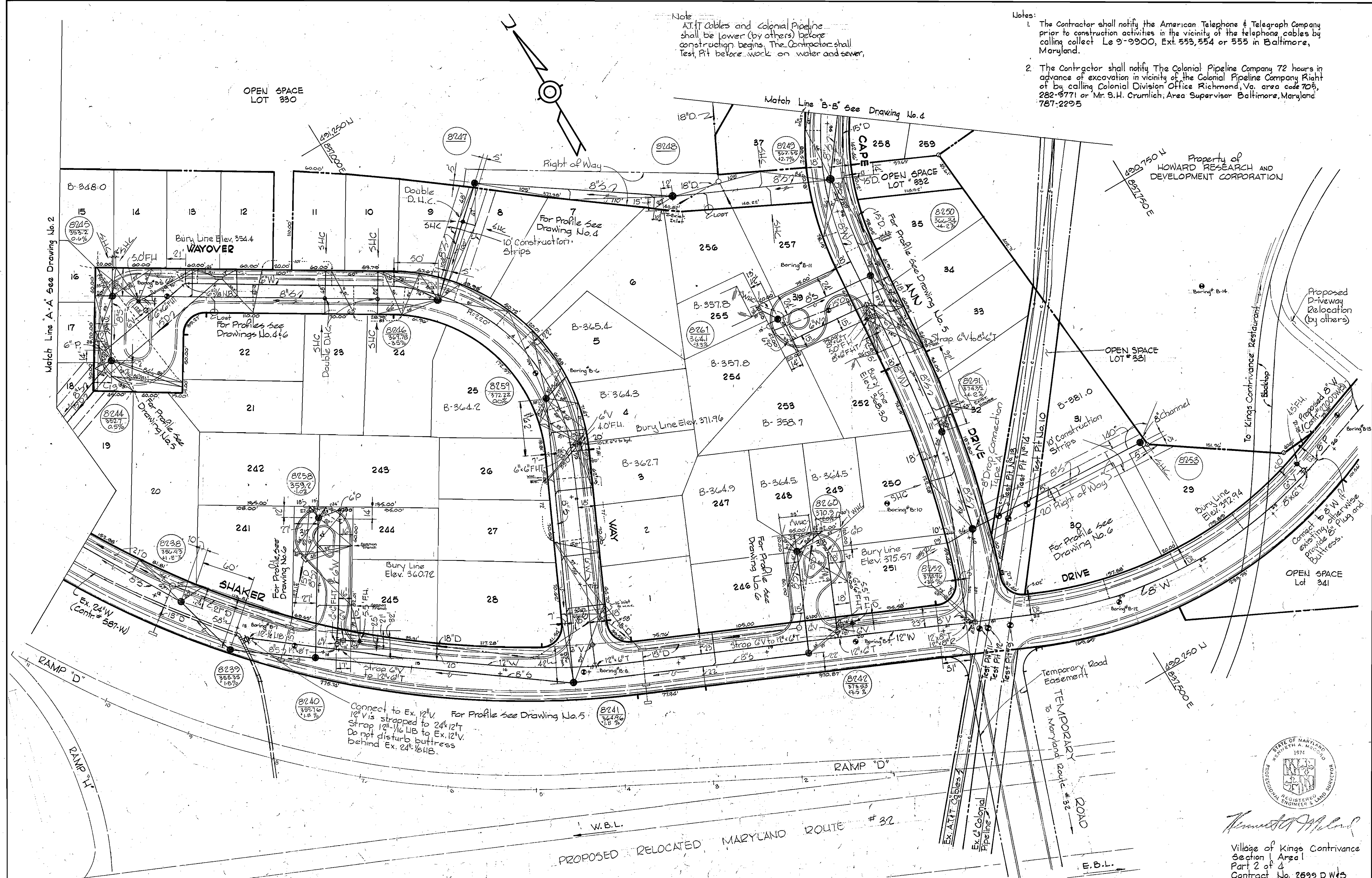
<b>WHITMAN, REQUARDT &amp; ASSOCIATES</b> ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	<b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND <i>Pg. Boyd</i> 11-22-76 DIRECTOR OF PUBLIC WORKS - DATE	<b>CONTRACT NO. 2699D W&amp;S</b> <b>PLAN OF WATER AND SEWER MAINS</b>	<b>COLUMBIA VILLAGE OF KINGS CONTRIVANCE ELECTION DISTRICT GUILFORD NO.6</b> <b>DRAWING NO. 2 OF 6</b> <b>SCALE 1" = 50'</b>
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WS 699-D-W&S/2

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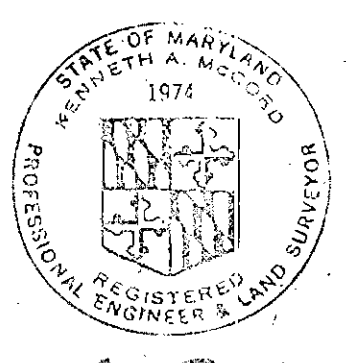
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REVISION 44-510 10392



Note  
 AT&T Cables and Colonial Pipeline shall be lower (by others) before construction begins. The Contractor shall test, fit before work on water and sewer.

- Notes:
1. The Contractor shall notify the American Telephone & Telegraph Company prior to construction activities in the vicinity of the telephone cables by calling collect Le 9-9900, Ext. 553, 554 or 555 in Baltimore, Maryland.
  2. The Contractor shall notify The Colonial Pipeline Company 72 hours in advance of excavation in vicinity of the Colonial Pipeline Company Right of Way by calling Colonial Division Office Richmond, Va. area code 703, 282-9771 or Mr. S.H. Crumlich, Area Supervisor Baltimore, Maryland 787-2295



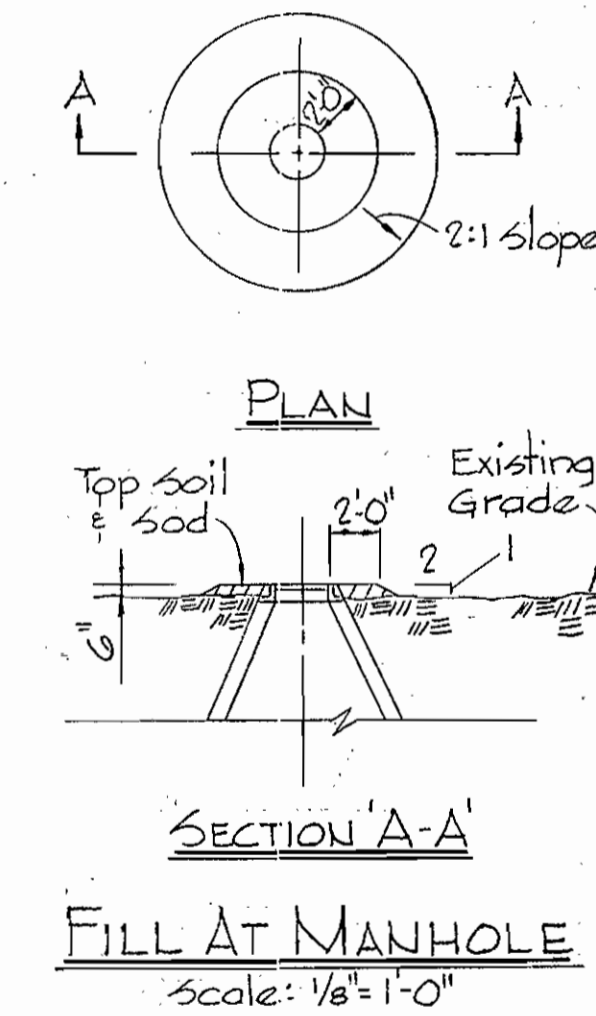
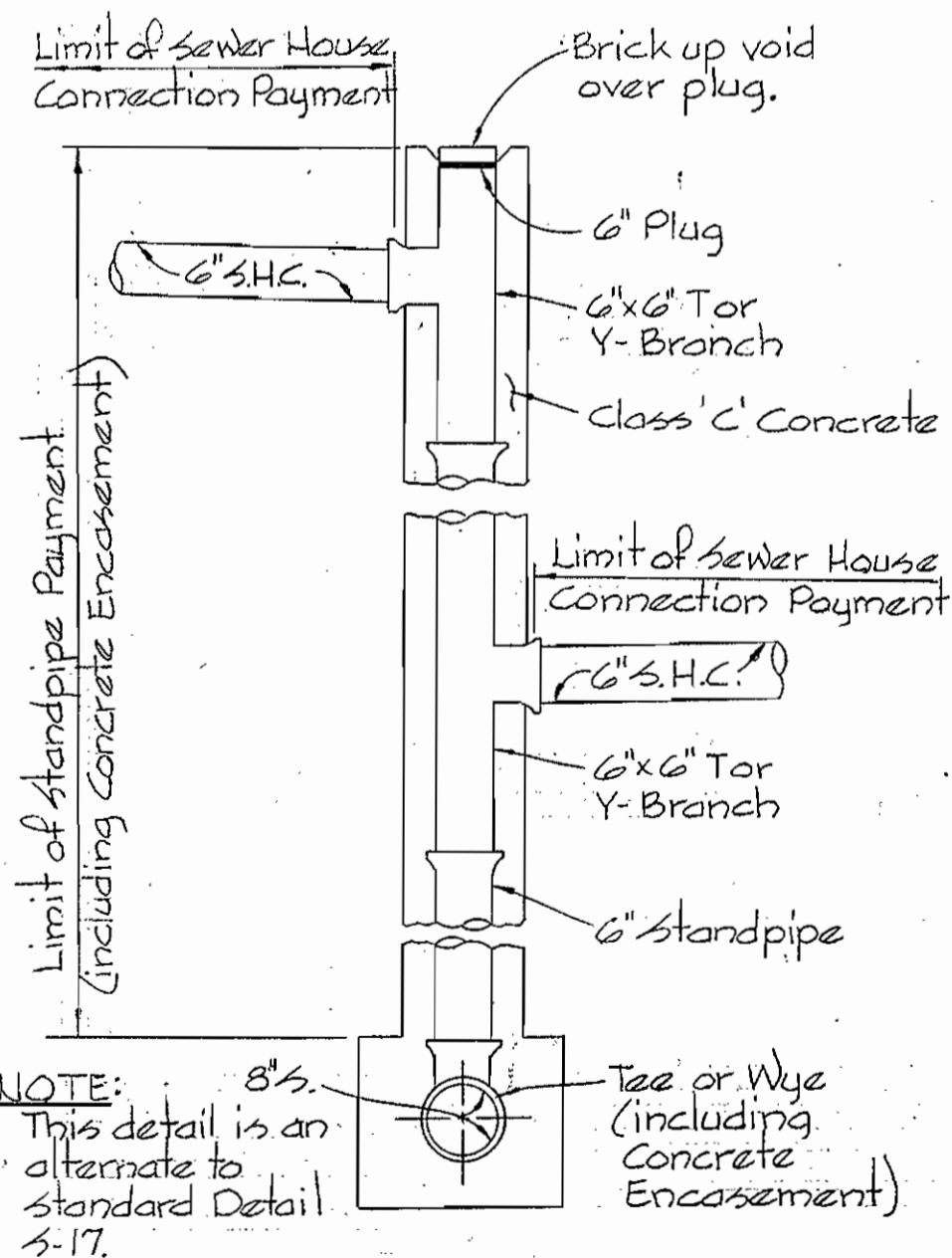
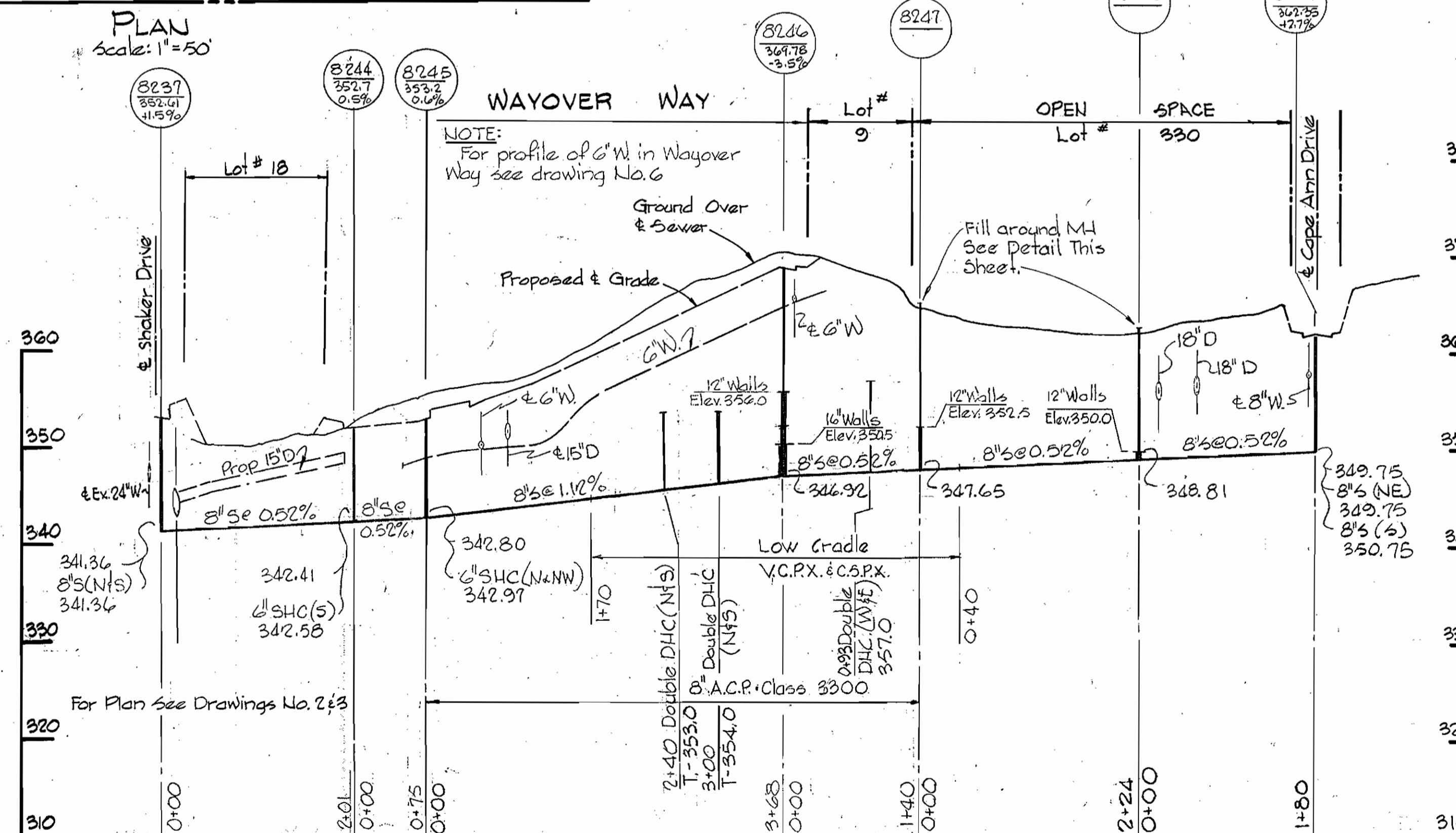
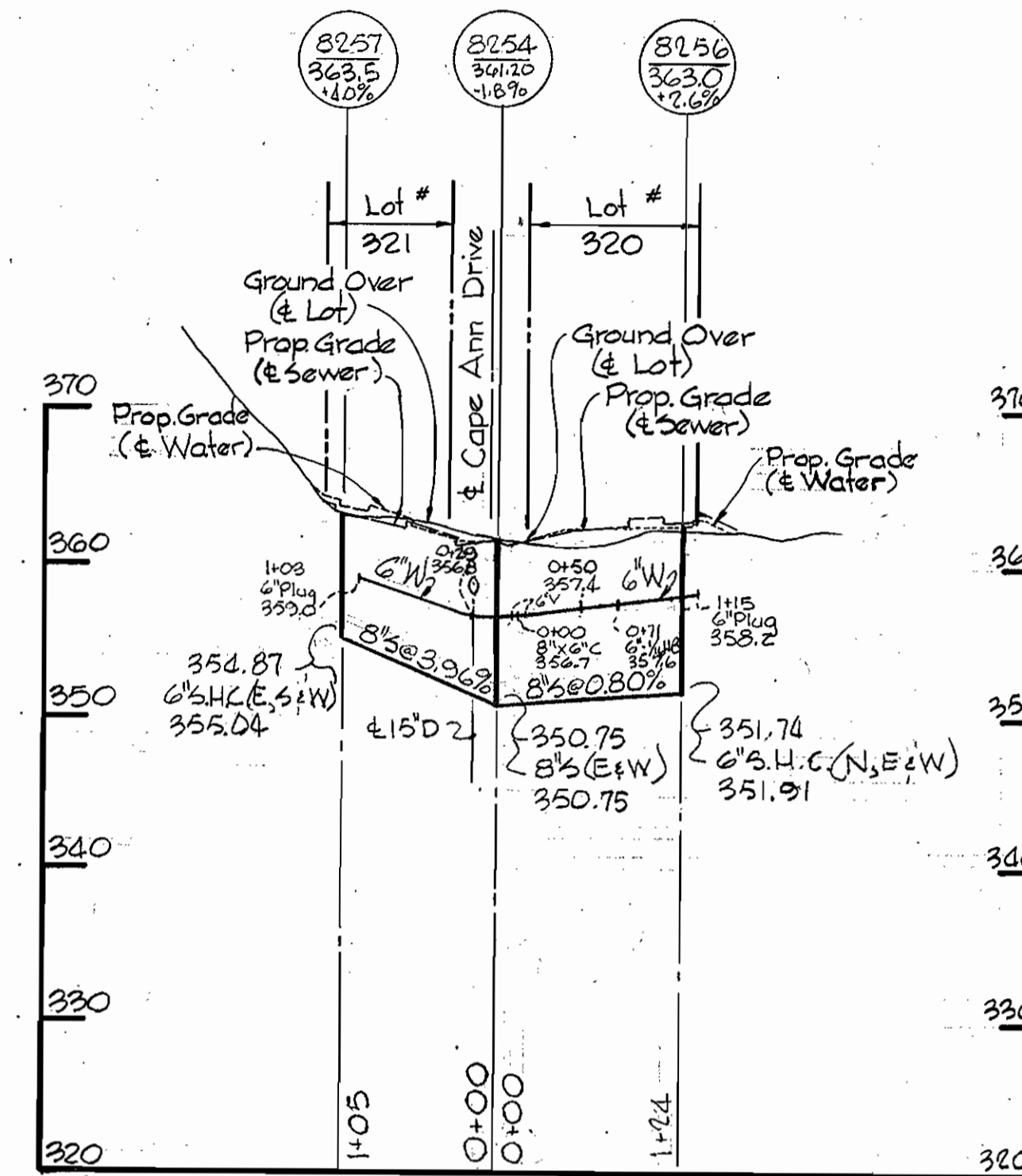
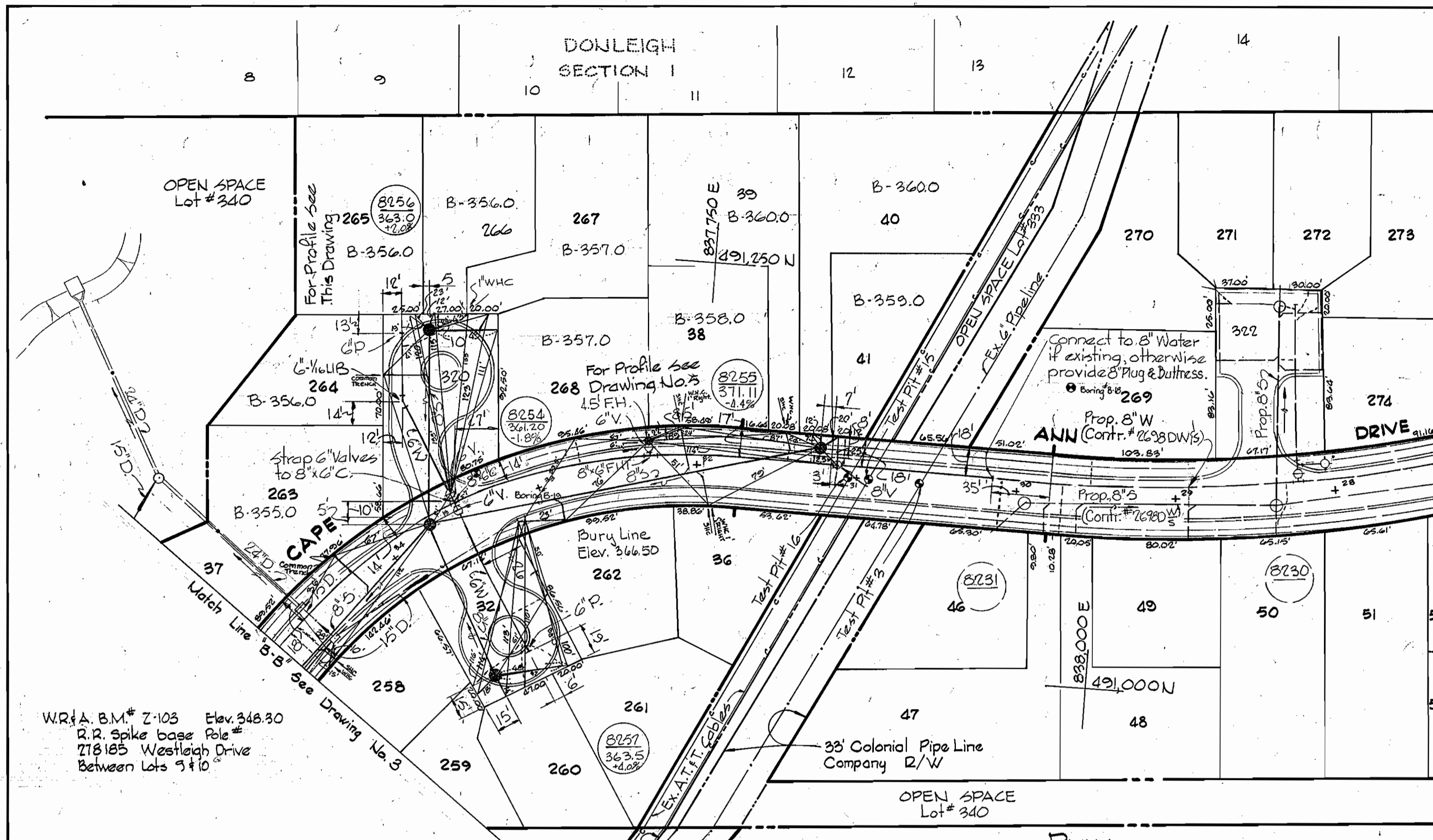
*Thomas M. ...*

Village of Kings Contrivance  
 Section 1 Area 1  
 Part 2 of 4  
 Contract No. 2699 D W & S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Pg Regardt 11-22-76</i> DIRECTOR OF PUBLIC WORKS DATE	CONTRACT NO. 2699 D W & S <i>W.O. Alford 11-22-76</i> CHIEF-BUREAU OF ENGINEERING DATE	PLAN OF WATER AND SEWER MAINS	COLUMBIA VILLAGE OF KINGS CONTRIVANCE ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 3 OF 6 SCALE 1"=50' 20-L, 19-L
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W.O. 6920-2

AS BUILT 6-17-77  
 November 16, 1976



Note: AT&T and Colonial Pipeline shall be lower (by other) before construction begins. Contractor shall Test Pit before starting work on water and sewer.

NOTE: This detail is an alternate to standard Detail S-17.



Kenneth M. Lord

Village of Kings Contrivance Section 1, Area 1 Part 2 of 4 Contract No. 2699 D W & S

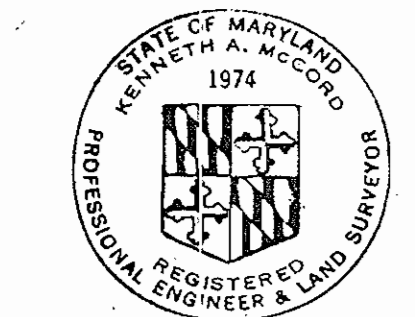
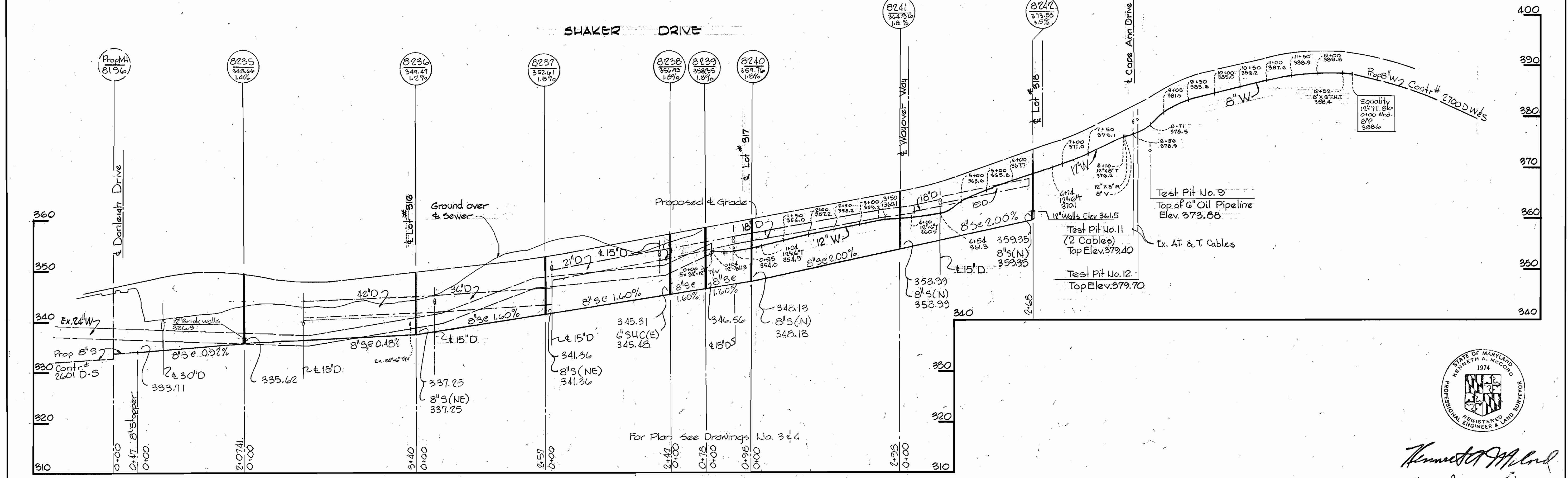
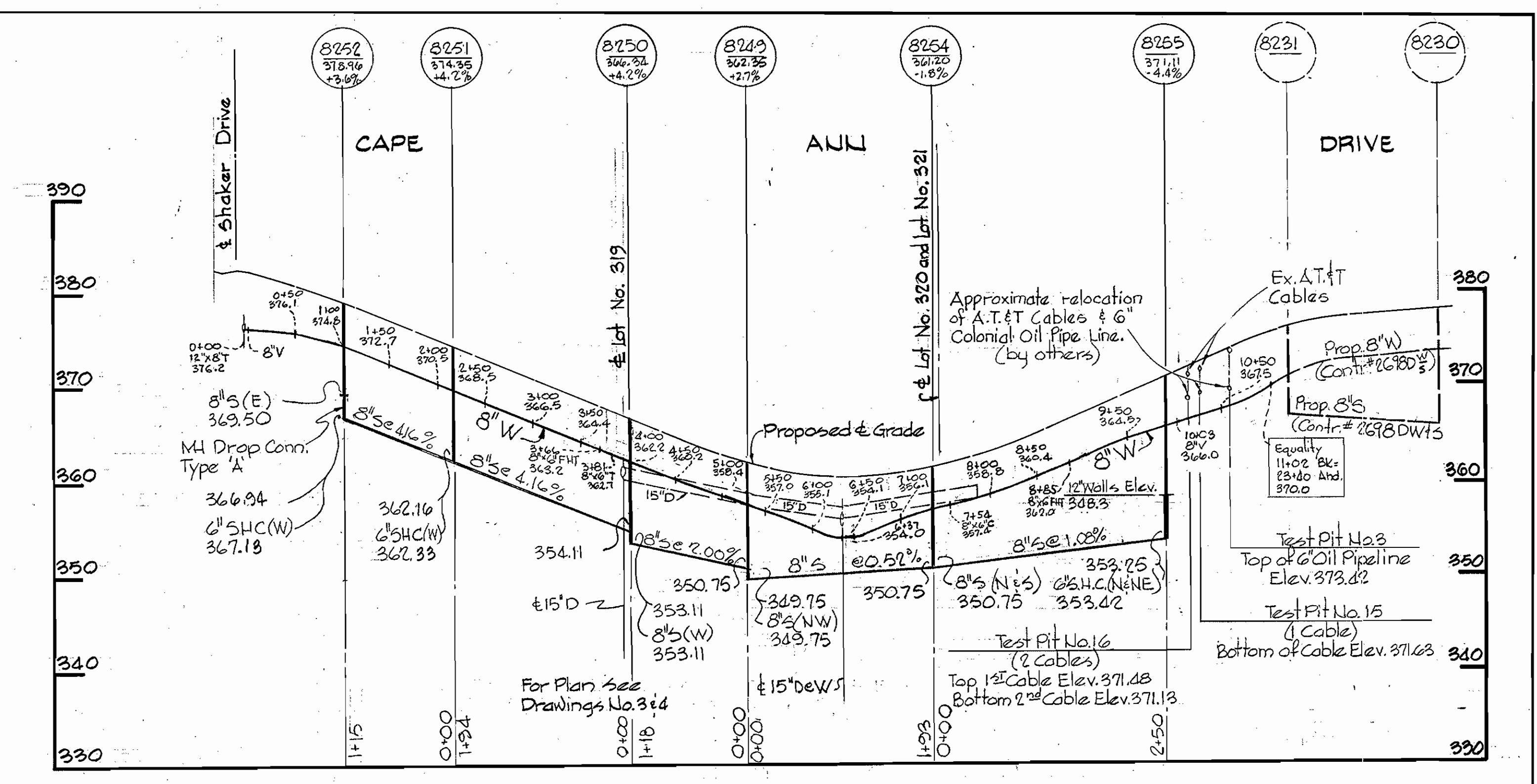
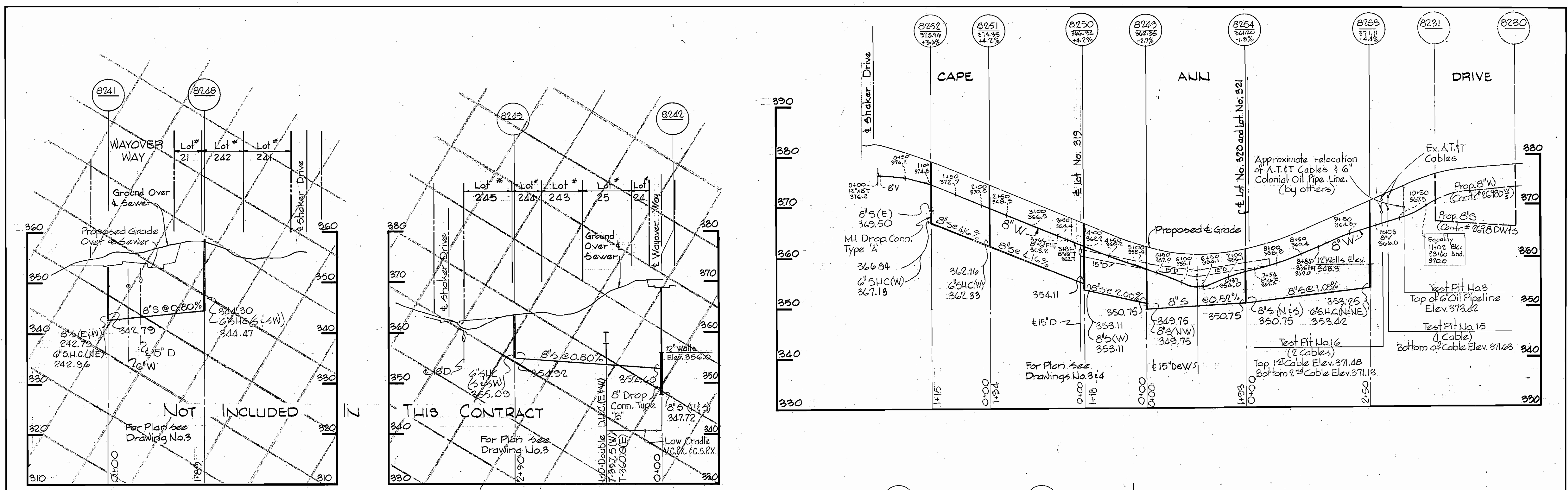
<b>WHITMAN, REQUARDT &amp; ASSOCIATES</b> ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	<b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND <i>P. J. Beard</i> 11-22-76 DIRECTOR OF PUBLIC WORKS - DATE	<b>CONTRACT NO. 2699DW&amp;S</b> <i>W. O. Pulbert</i> 11-22-76 CHIEF-BUREAU OF ENGINEERING - DATE	<b>PLAN, PROFILES &amp; DETAILS</b> <b>OF WATER AND SEWER MAINS</b>	<b>COLUMBIA</b> <b>VILLAGE OF KINGS CONTRIVANCE</b> <b>ELECTION DISTRICT GUILFORD NO. 6</b>	<b>DRAWING</b> NO. <u>4</u>	<b>SCALE</b> AS SHOWN
					OF <u>6</u>	12-L, 13-M

W. O. 6920-2

AS BUILT 6/17/77 November 16, 1976

WS 699-D-W&S/4

BRUNING 44510 1039Z



*Kenneth M. Lord*  
 Village of Kings Contrivance  
 Section Area 1  
 Part 2 of 4  
 Contract No. 2699DW15

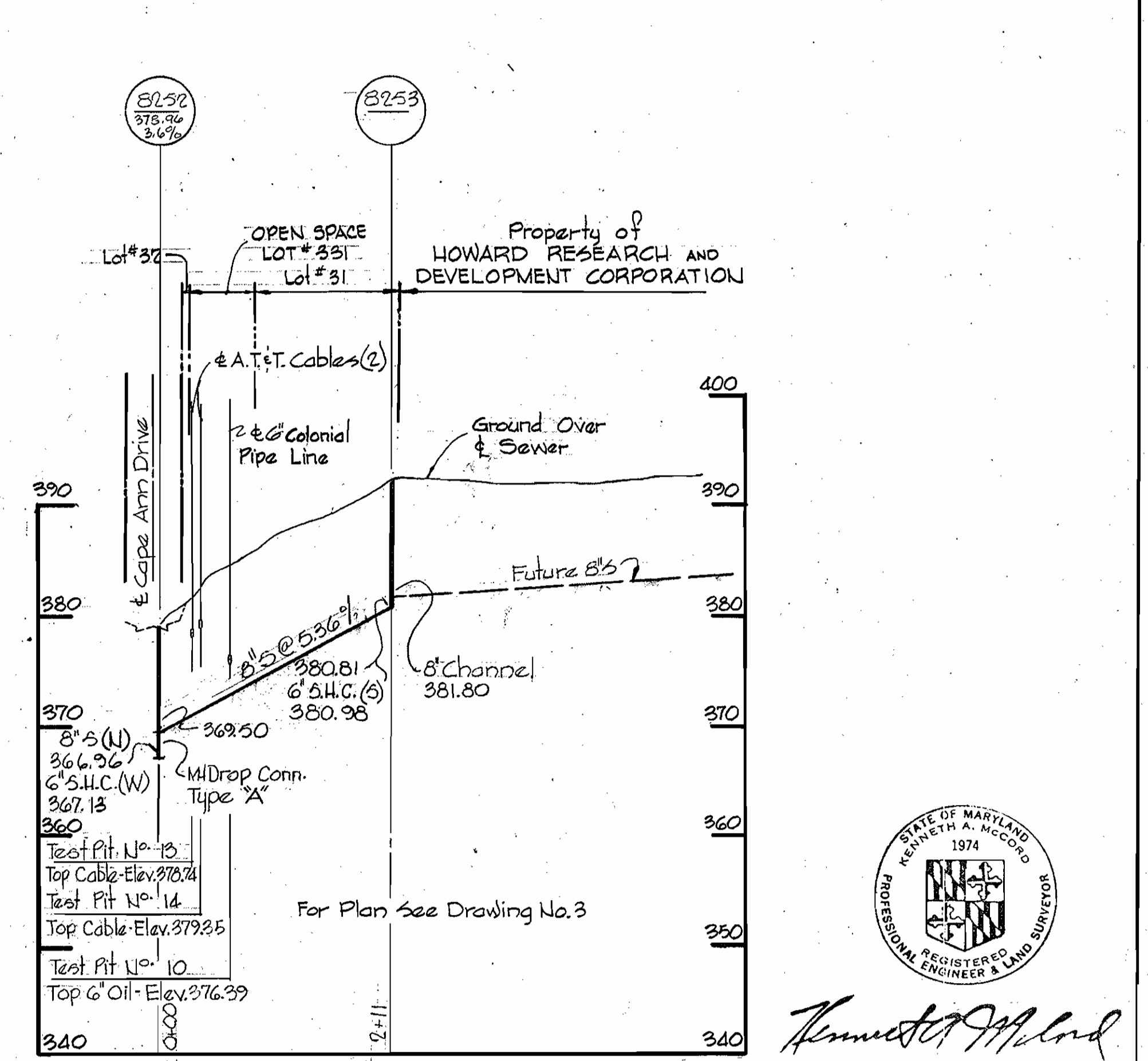
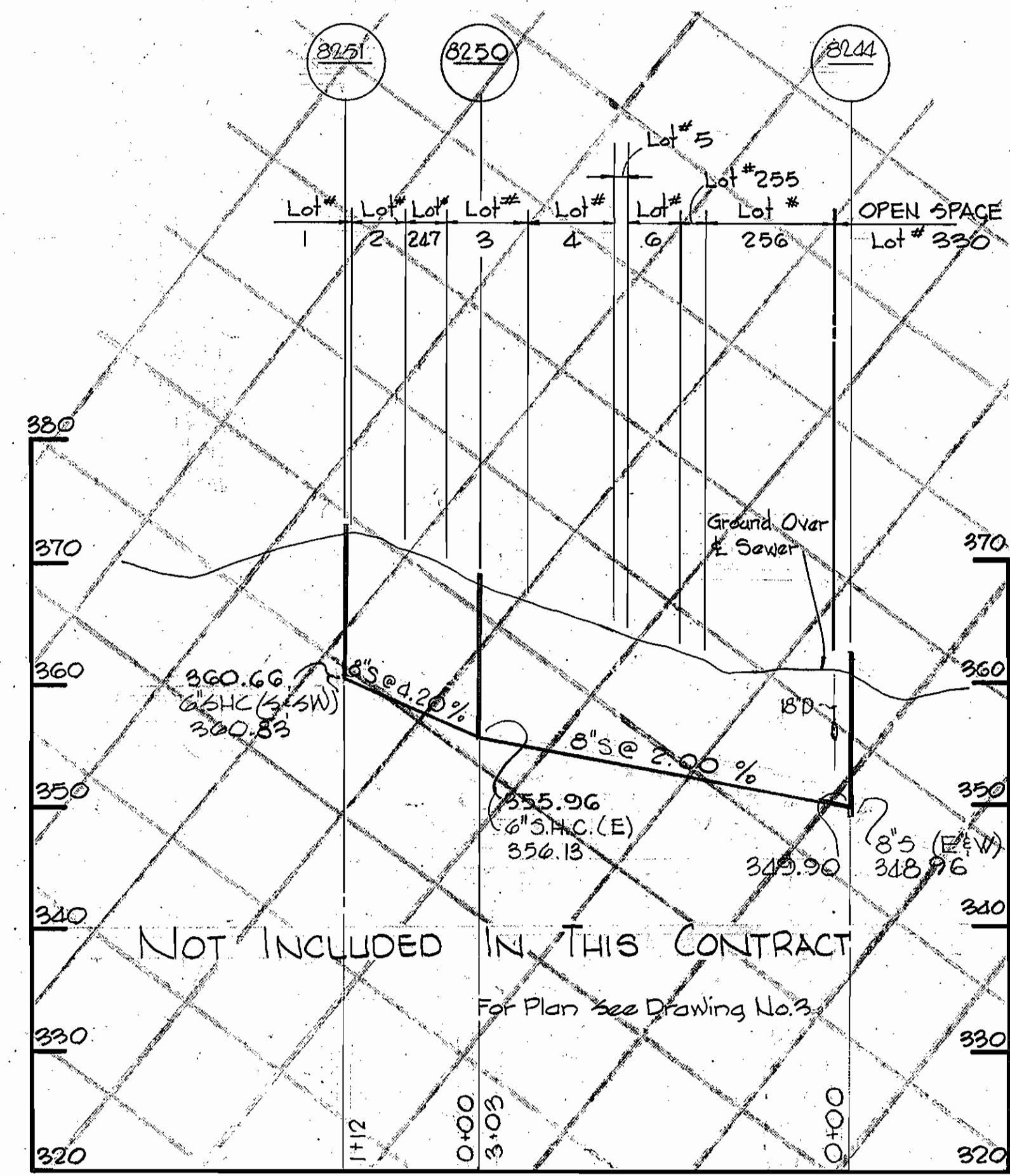
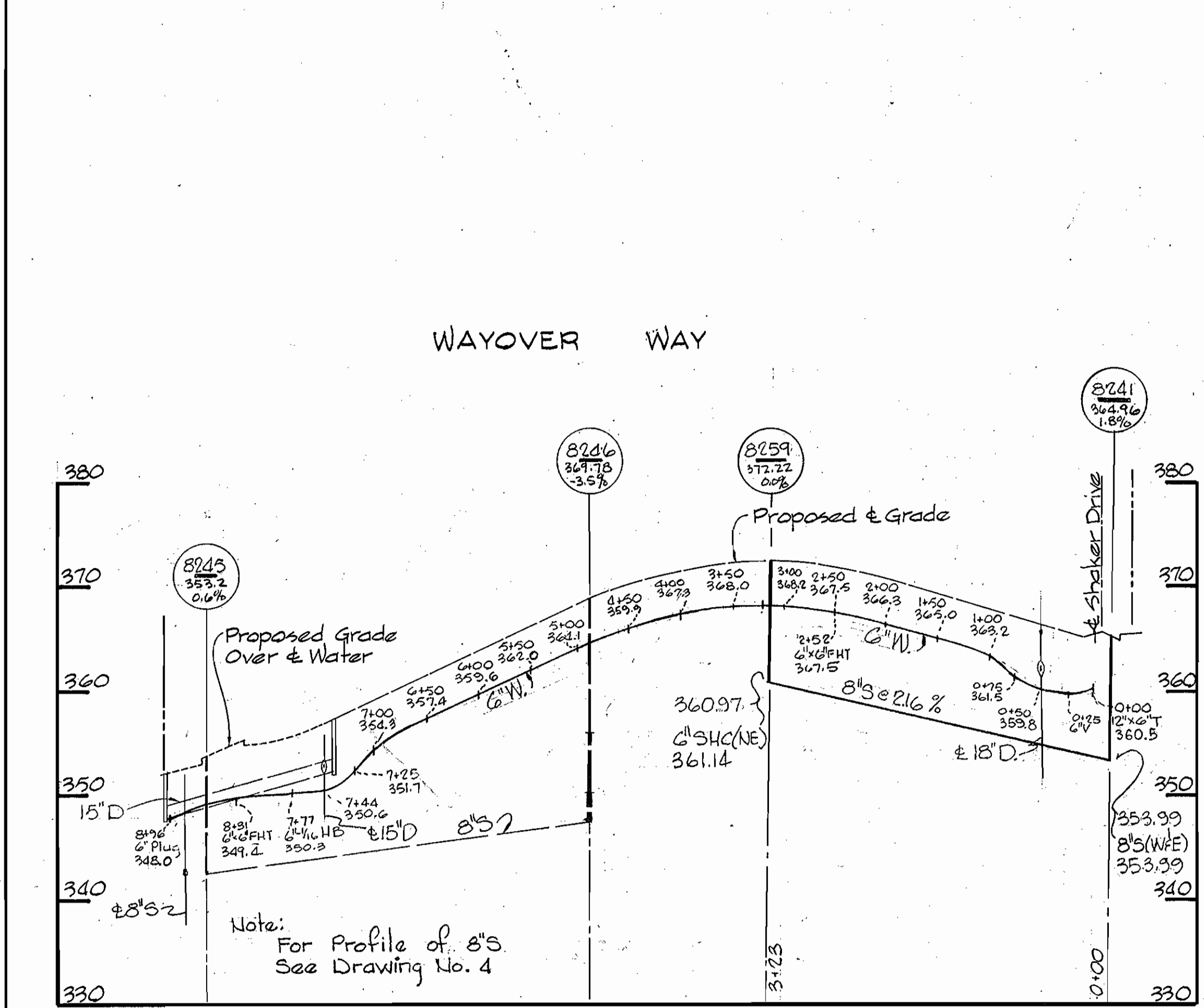
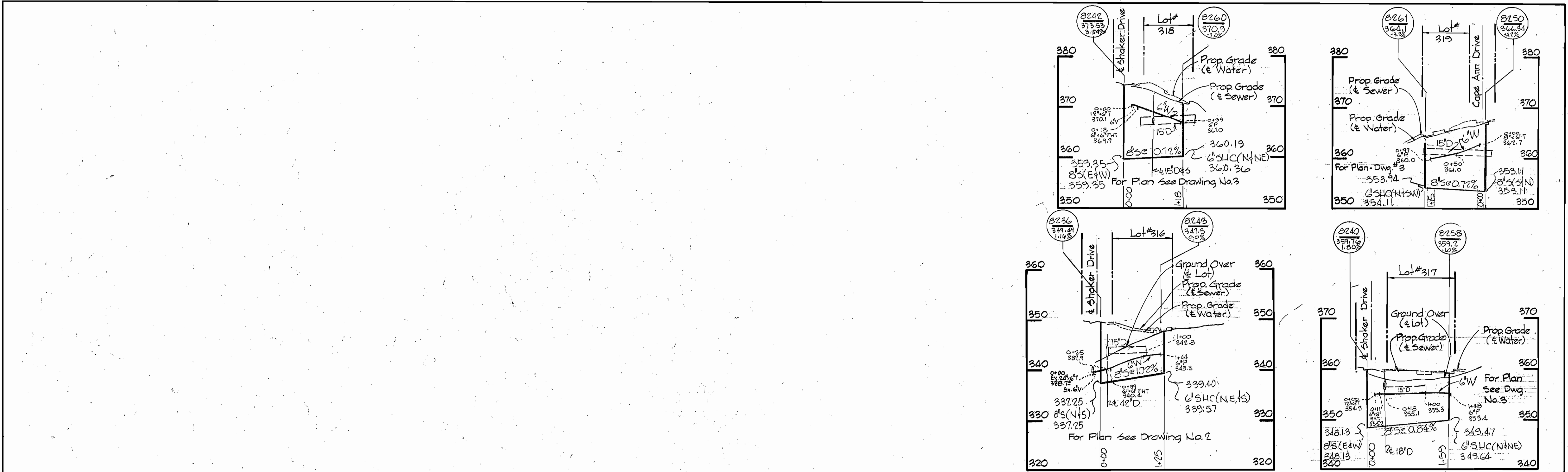
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WS 699-D-W8S/5

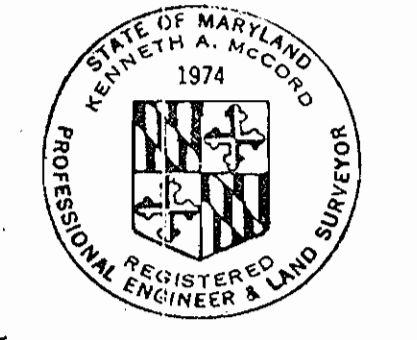
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WS 699-D-W&S/6

BRUNING 44-510 1B332



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND P. J. Reagan Jr. 11-22-76 DIRECTOR OF PUBLIC WORKS - DATE	CONTRACT NO. 699D W&S W. O. Filled 11-22-76 CHIEF-BUREAU OF ENGINEERING - DATE	PROFILE OF WATER AND SEWER MAINS	COLUMBIA VILLAGE OF KINGS CONTRIVANCE ELECTION DISTRICT GUILFORD NO. 6	DRAWING NO. 6 OF 6 SCALE H: 1"=100' V: 1"=10'
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November 13, 1976

Village of Kings Contrivance  
 Section 1, Area 1  
 Part 2 of 4  
 Contract No. 2699 D W & S

As BUILT 6/17/77