

GENERAL NOTES

1. All water mains to be C.I.P., D.I.P. or A.C.P. unless otherwise shown.
2. Top of all water mains to have a minimum of 3.5 ft. cover unless otherwise noted.
3. All valves shall be strapped to tees in accordance with standard details.
4. Block all fittings with concrete, see standards bound in specifications.
5. 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 hydrants to be compacted in accordance with Section 5-15 of the Standard Specifications.
6. All sewer mains shall be C.S.P.X., V.C.P.X., or A.C.P. Class 2400 unless otherwise noted.
7. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
8. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
9. Approximate locations 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.
10. All horizontal controls are based on Maryland State Coordinates.
11. All vertical controls are based on U.S.G.S. Datum.
12. All pipe elevations shown are invert elevations.
13. Clear all utilities by a minimum of 6', clear all poles by 2'-0" minimum or tunnel as required.
14. For all standard details see standards bound in specifications.
15. Contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
16. Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
 State Highway Administration - 531-5533
 Baltimore Gas and Electric Company - Underground Electric Distribution Engineering - 234-5691
 Baltimore Gas and Electric Company - Underground Gas Distribution Engineering - 559-0100
 Chesapeake and Potomac Telephone Co. - 725-9976
 American Telephone and Telegraph - Cable Location Division - 301-393-3553
 Colonial Pipeline Company - 781-4841
17. 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.
18. 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 for water and sewer mains.
19. Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual Of Traffic Control for Highway Construction and Maintenance Operations.

QUANTITIES			
ITEM	BID	AS-BUILT	MATERIAL / SUPPLIER
6" WATER	1575 LF	1576 LF	D.I.P. Lynchburg cl. 53
8" WATER	365 LF	366 LF	D.I.P. Lynchburg cl. 52
8" SEWER	1440 LF	1425 LF	Johns-Manville 2400 cl. III
F.H.'S	3	3	Dresser MH
6" SEWER	-	1173 LF	JM 2400 cl. II

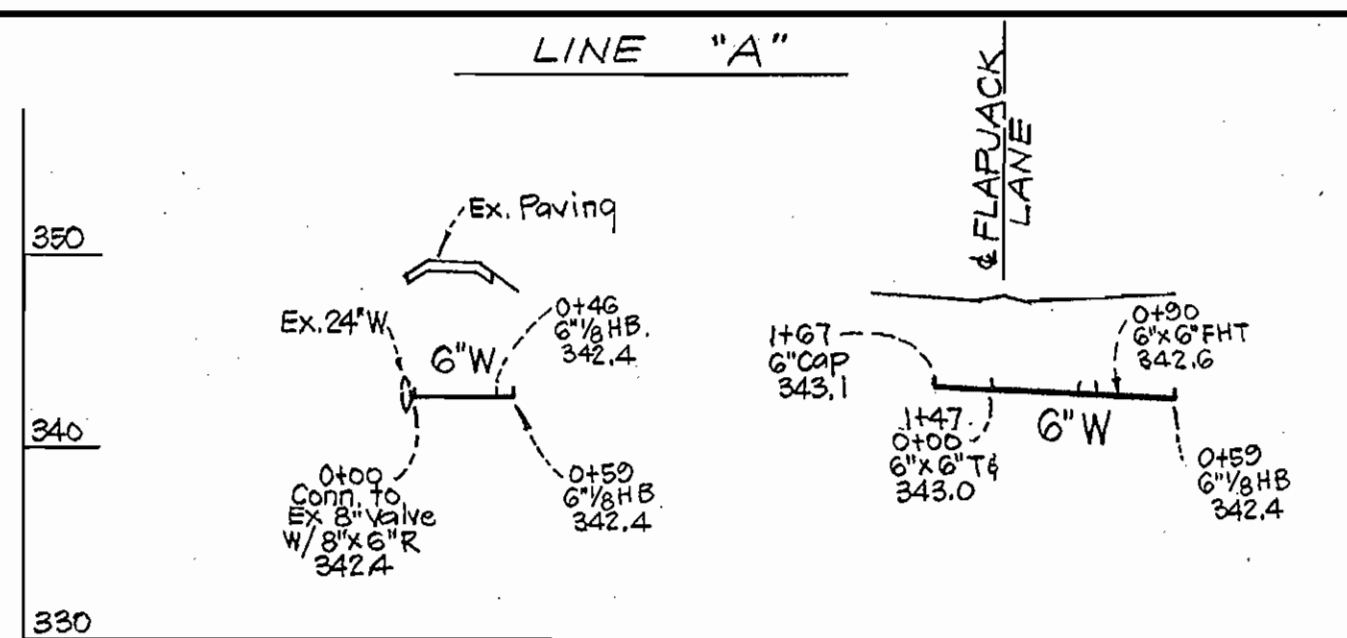
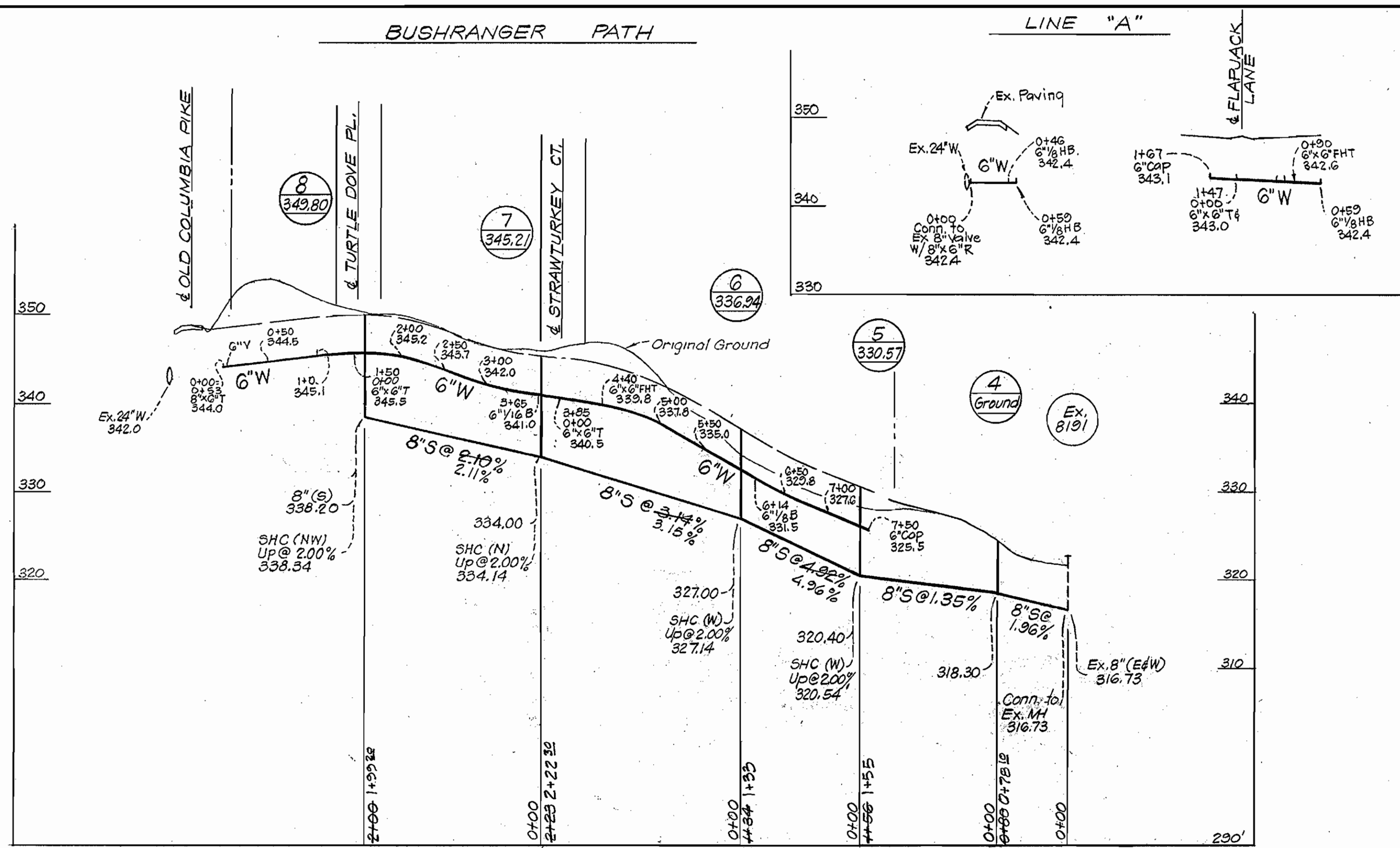
COLUMBIA
 VILLAGE OF KING'S CONTRIVANCE
 SECTION 1 AREA 3
 LOTS 1 THRU 43
 CONTRACT NO 2797 D W&S



H. N. Clark
 2-10-78

WS 797-WS/1

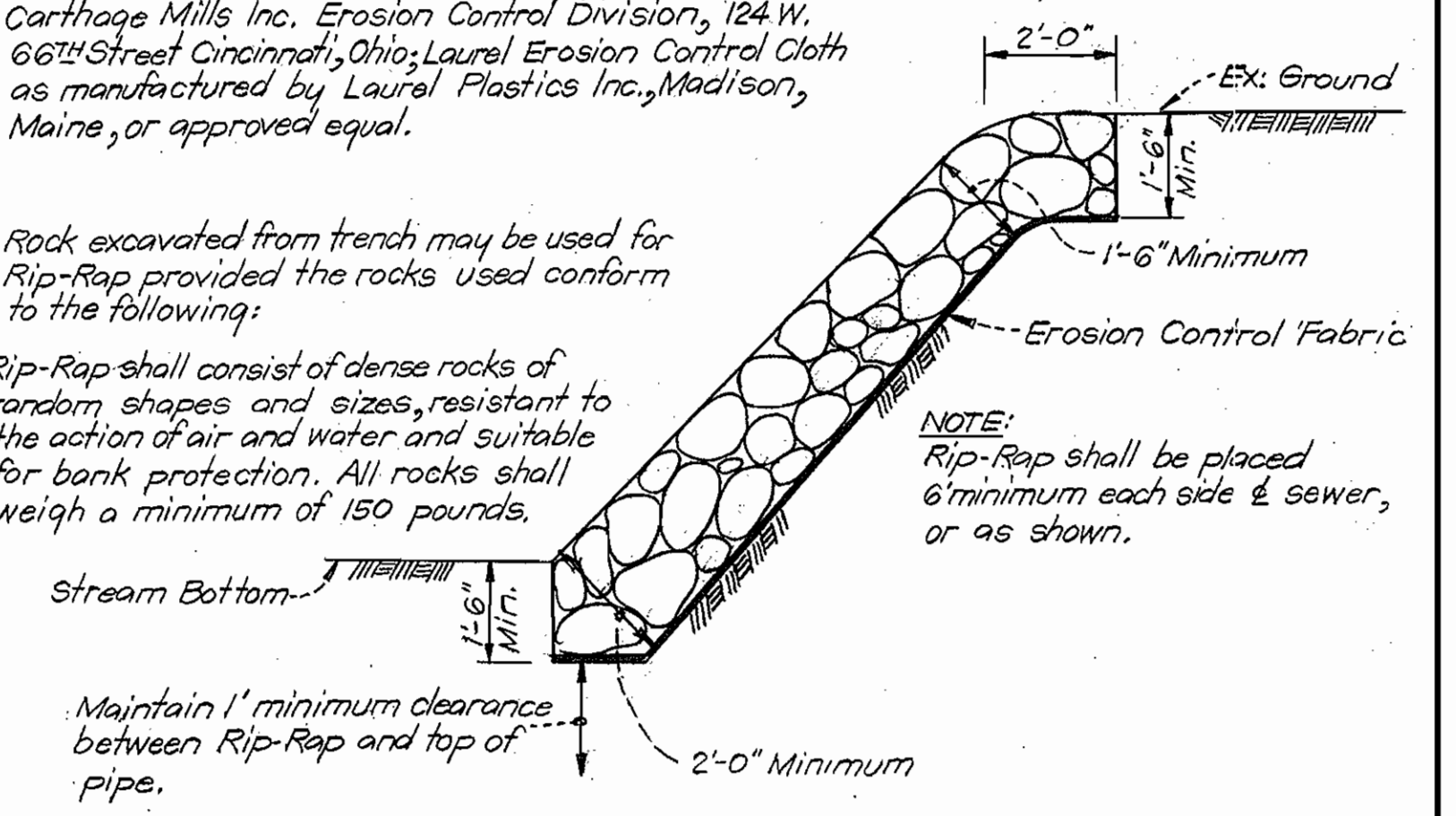
<p>CLARK • FINEROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904</p>	<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Richard Brudenbury</i> 6/21/78 DIRECTOR OF PUBLIC WORKS DATE</p>	<p>CONTRACT NO. 2797 D W&S</p>	<p>PLAN OF WATER & SEWER MAINS</p>	<p>COLUMBIA VILLAGE OF KING'S CONTRIVANCE ELECTION DISTRICT - GUILFORD No. 6</p>	<p>DRAWING NO. 1 OF 2</p>	<p>SCALE 1" = 50'</p>
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NOTES:
Erosion Control Fabric shall be PolyFilter-X as manufactured by Carthage Mills Inc. Erosion Control Division, 124 W. 66th Street Cincinnati, Ohio; Laurel Erosion Control Cloth as manufactured by Laurel Plastics Inc., Madison, Maine, or approved equal.

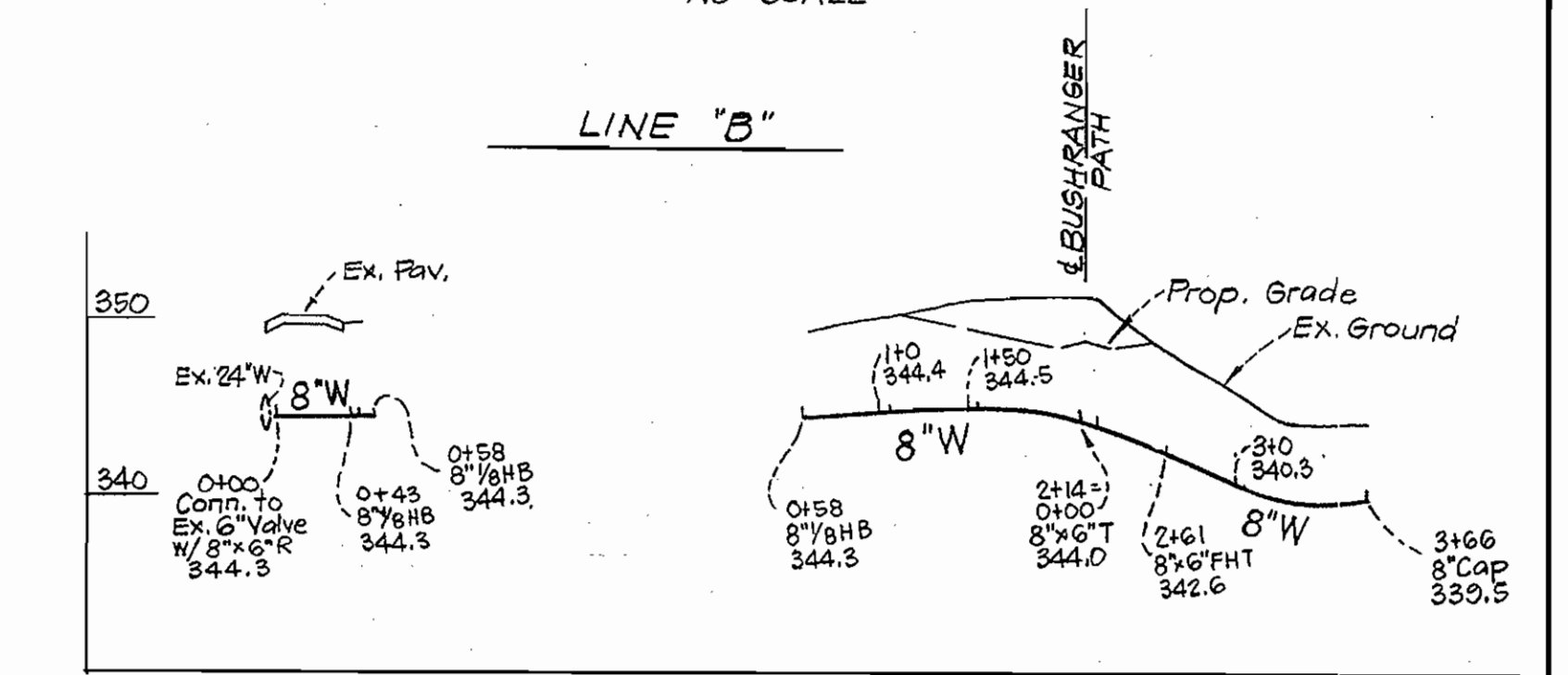
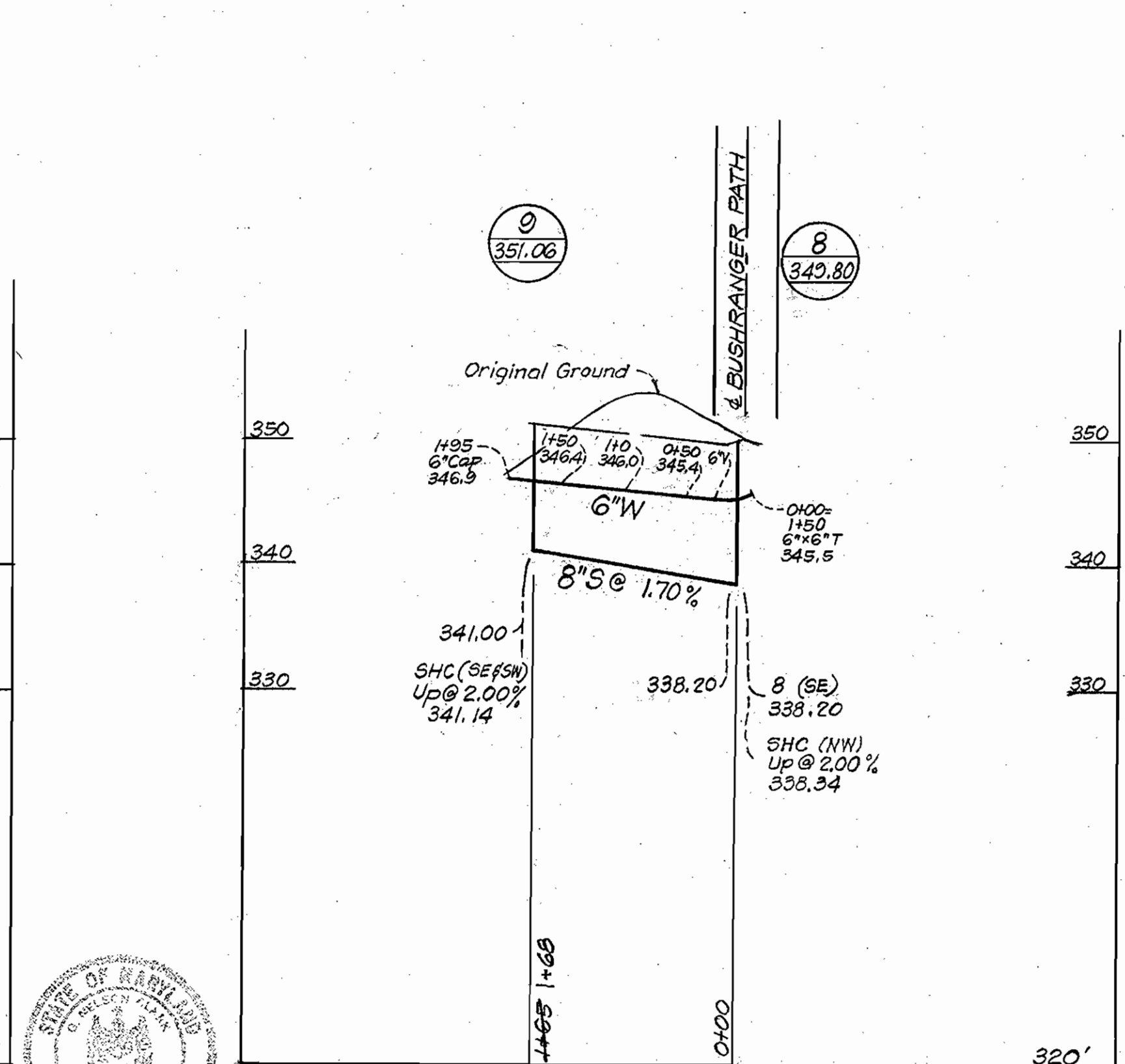
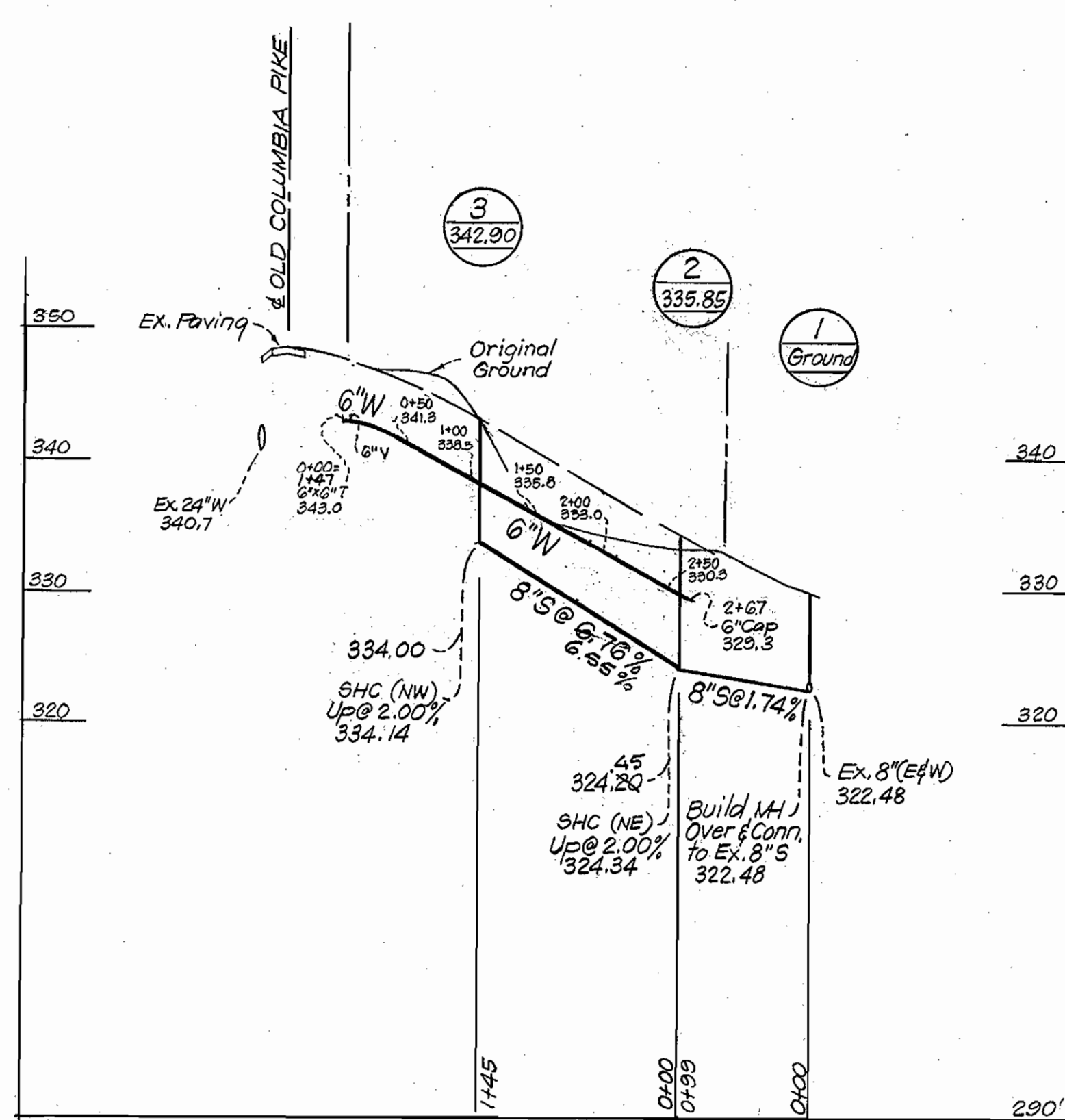
Rock excavated from trench may be used for Rip-Rap provided the rocks used conform to the following:

Rip-Rap shall consist of dense rocks of random shapes and sizes, resistant to the action of air and water and suitable for bank protection. All rocks shall weigh a minimum of 150 pounds.

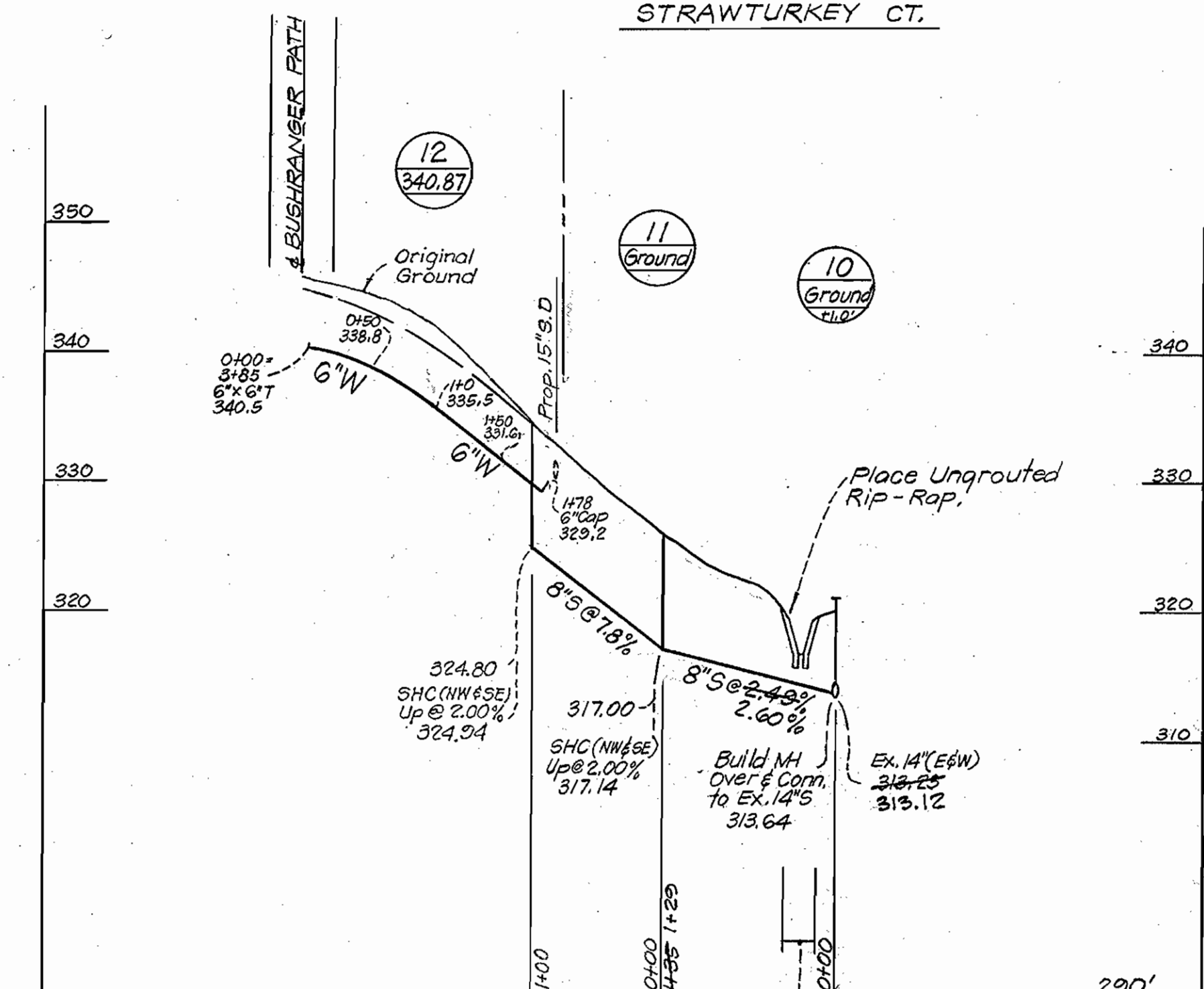


RIP-RAP DETAIL
NO SCALE

FLAPJACK LANE TURTLE DOVE PLACE



STRAWTURKEY CT.



STATE OF MARYLAND
DEPARTMENT OF PUBLIC WORKS
2. N. Conk
2-10-78

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPR NG, MARYLAND 20904

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Richard E. Shredenberg 6/21/78
W. J. Albert 6-21-78
DIRECTOR OF PUBLIC WORKS DATE CHIEF, BUREAU OF ENGINEERS DATE

CONTRACT NO. 2797 D WES

PROFILES OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF KING'S CONTRIVANCE
ELECTION DISTRICT - GUILFORD No. 6

DRAWING NO. 2	SCALE HOR: 1"=100'
OF 2	VER: 1"=10'

AS BUILT 1/24/80 M.W.

WS 797-WS/2