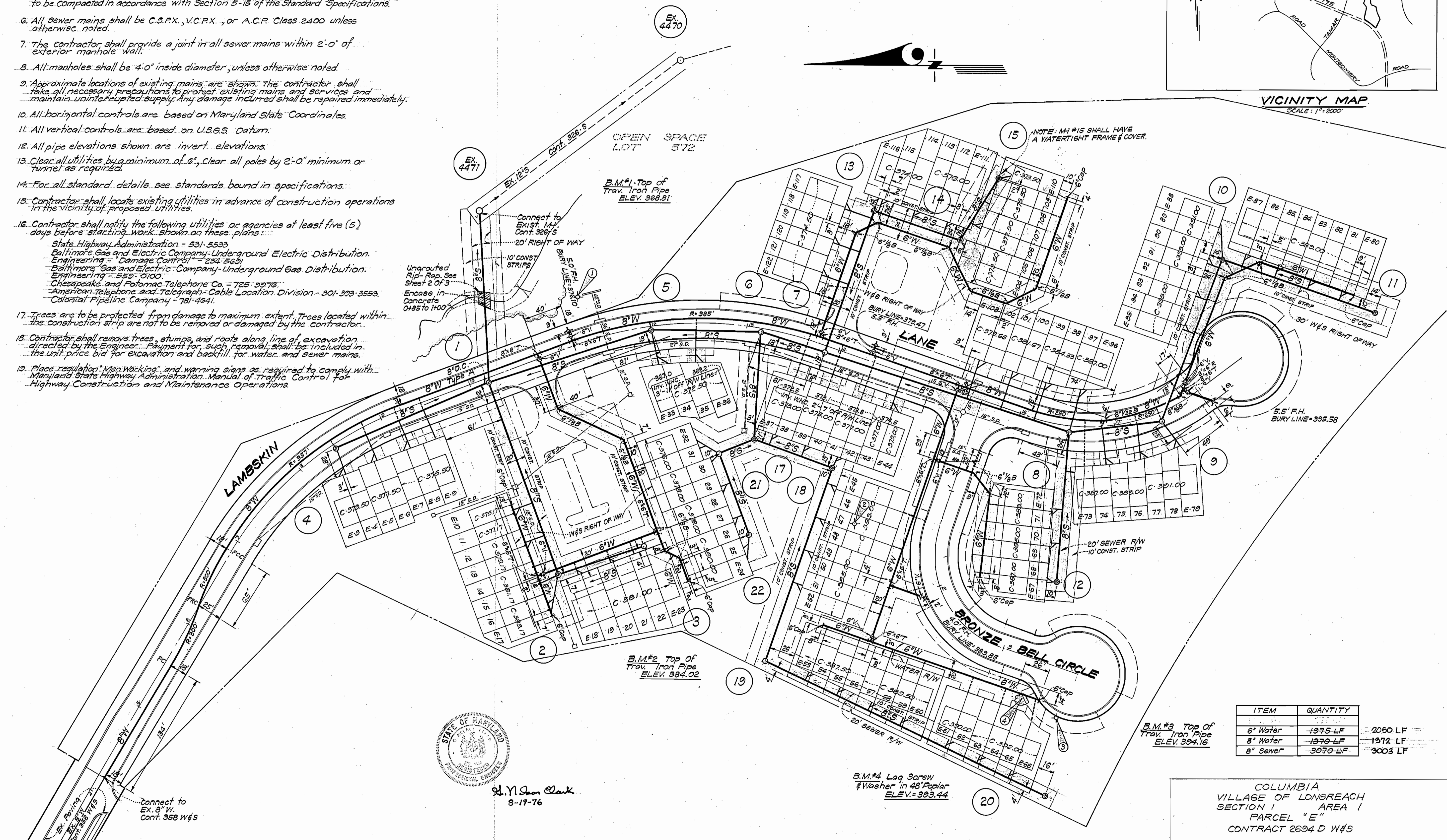
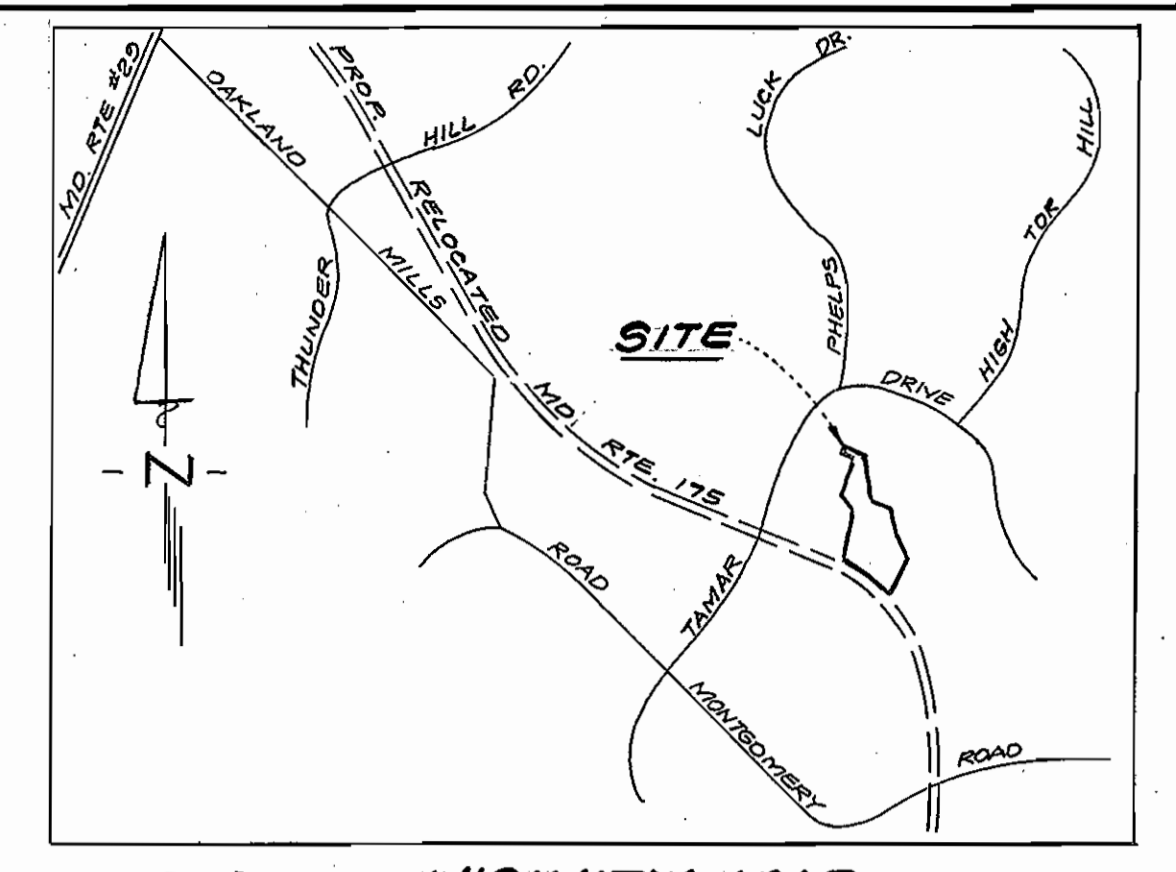


GENERAL NOTES

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 - 234-5631
 - Baltimore Gas and Electric Company - Underground Gas Distribution Engineering - 550-0100
 - Chesapeake and Potomac Telephone Co. - 725-2976
 - American Telephone and Telegraph - Cable Location Division - 301-393-3553
 - Colonial Pipeline Company - 781-4641
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 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.



ITEM	QUANTITY
6" Water	1975 LF
8" Water	1370 LF
8" Sewer	3070 LF

B.M.#3 Top of Trav. Iron Pipe ELEV. 394.16

B.M.#4 Lag Screw & Washer in 48" Poplar ELEV. = 393.44



CLARK • FINEFROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
CONTRACT NO. 2694-D WBS
DATE: 11-17-76

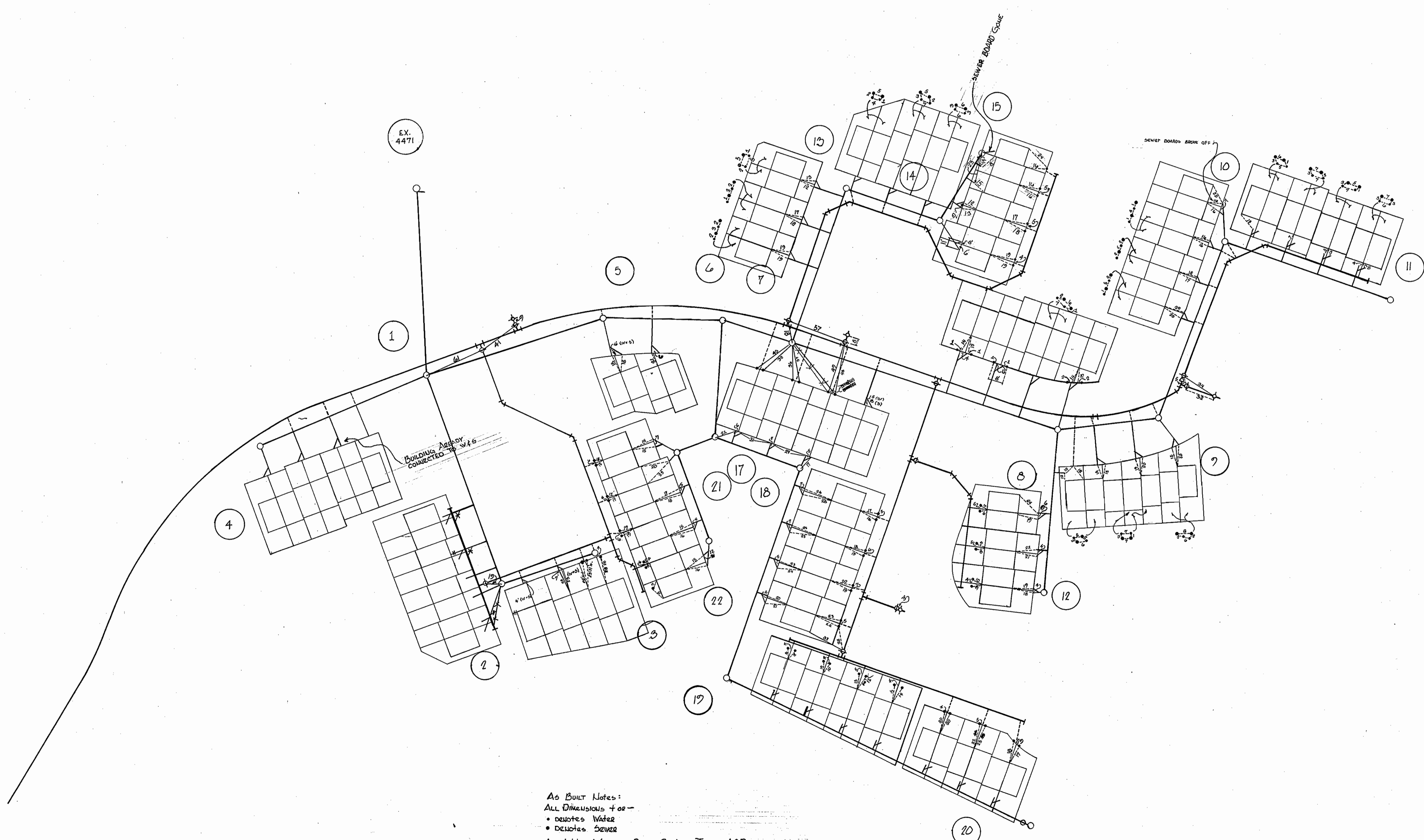
PLAN OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF LONGREACH
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 1 OF 3
SCALE 1" = 50'

AS BUILT JULY 20, 1977 - AUG. 13, 1976

WS 694-D WBS/1



AS BUILT Notes:
 ALL DIMENSIONS +/-
 • denotes WATER
 • denotes SEWER
 ALL WATER & SEWER PIPES CERTAIN TEEED ACP

WS 694-D-WBS/1A

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

CONTRACT NO. 694-DIV#5

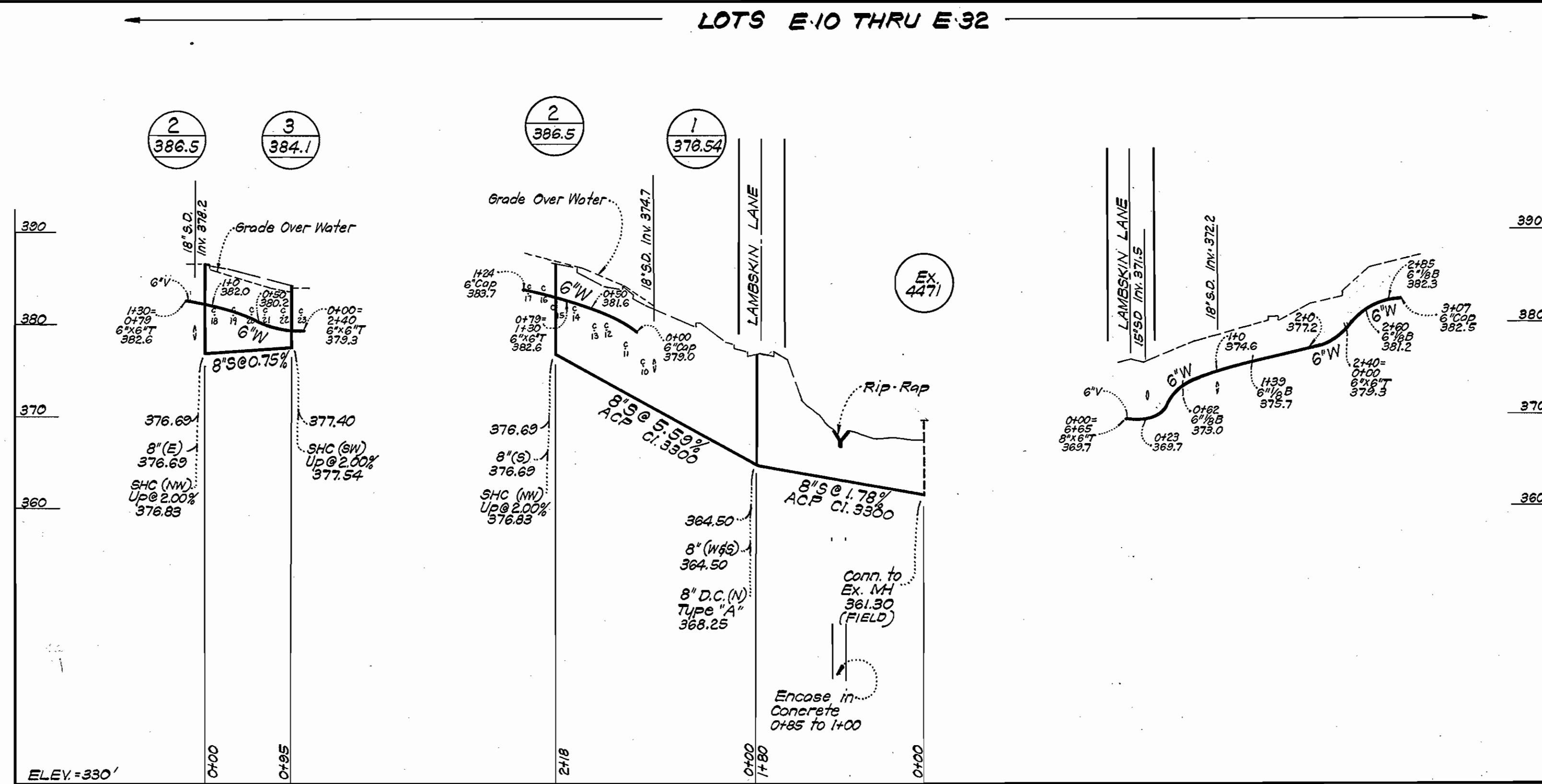
AS BUILT - DIMENSIONS 7-20-77

DRAWING NO. 1A
 OF 3

SCALE

DATE

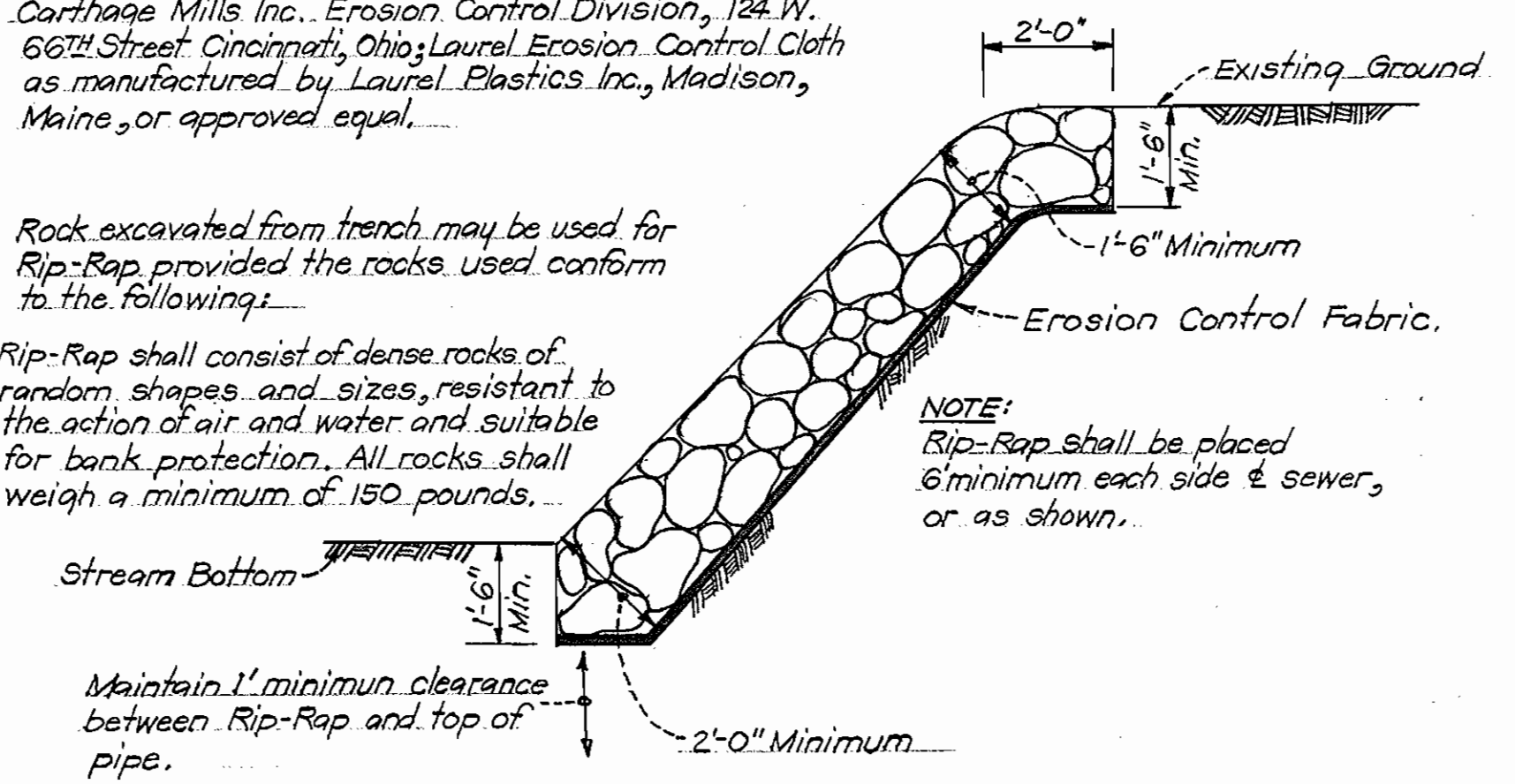
CHIEF-BUREAU OF WATER AND SEWER



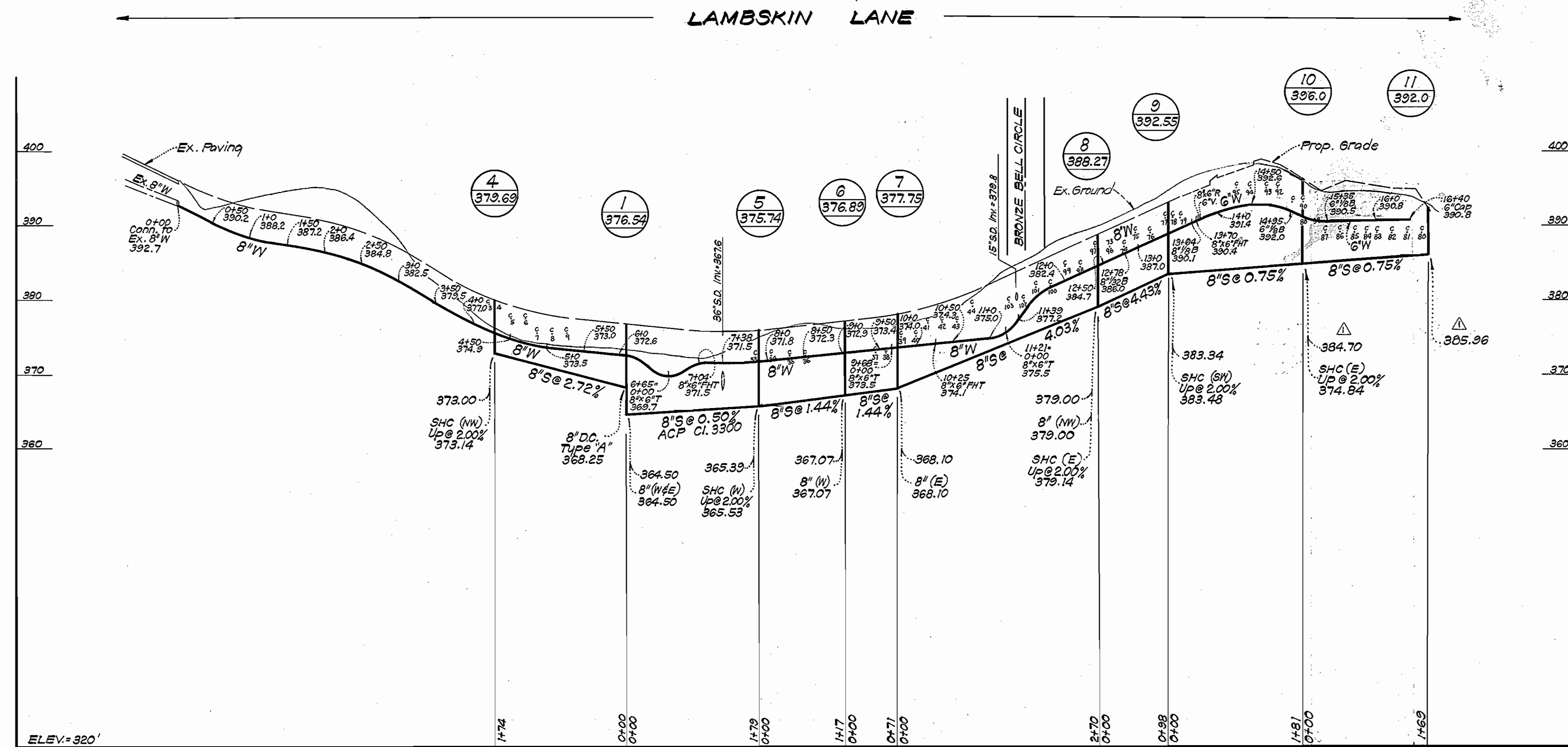
NOTES:
Erosion Control Fabric shall be Poly Filter-X as manufactured by Carthage Mills Inc., Erosion Control Division, 124 W. 66th Street Cincinnati, Ohio; Laurel Erosion Control Cloth as manufactured by Laurel Plastics Inc., Madison, Maine, or approved equal.

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



No.	Date	Revision
1	12-15-76	Rev. Inv. Elev. @ MH 10 and MH 11



L. N. Don Clark
8-19-76

COLUMBIA
VILLAGE OF LONGREACH
SECTION 1 AREA 1
PARCEL "E"
CONTRACT 2694 D W&S

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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
11-17-76
DATE

CONTRACT NO. 2694-D W&S

PROFILES OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF LONGREACH
ELECTION DISTRICT GUILFORD NO. 6

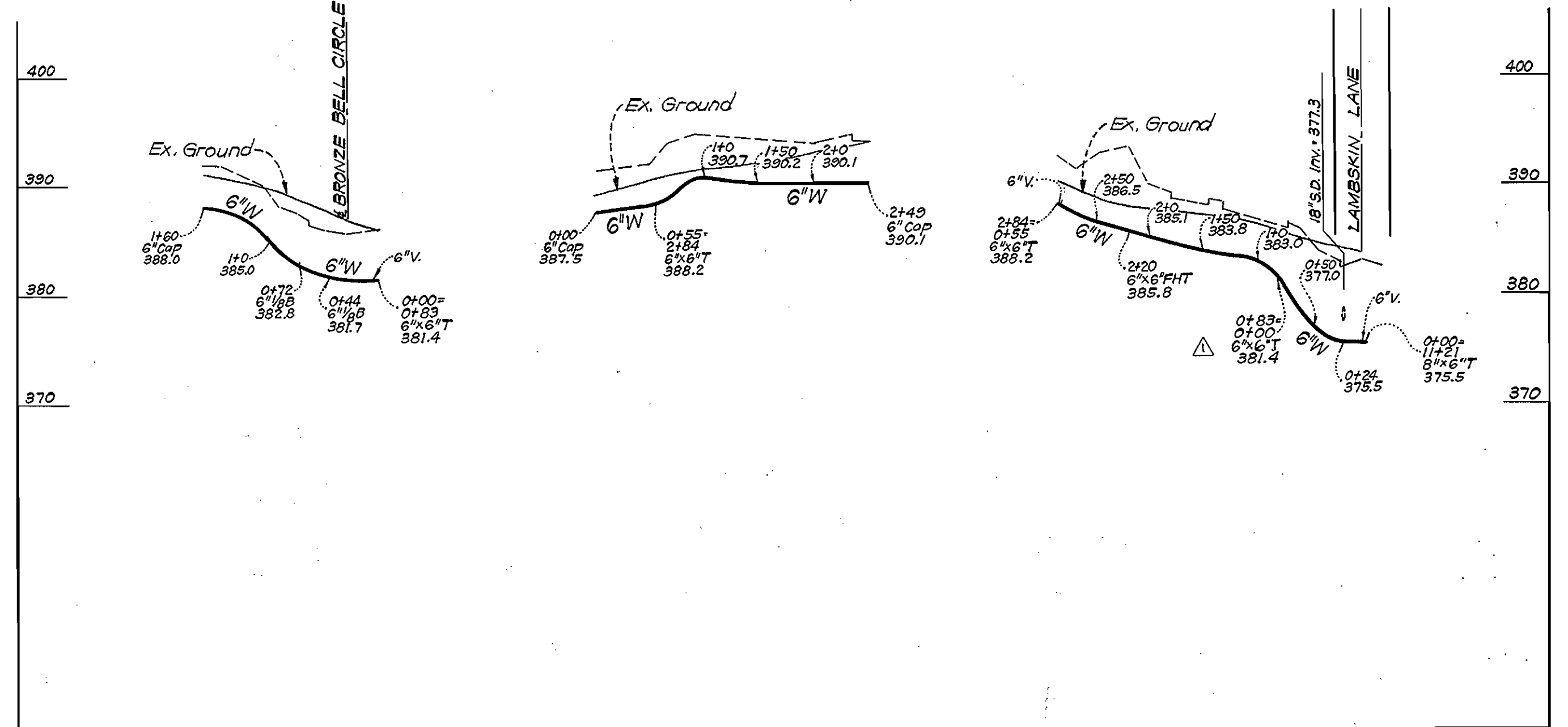
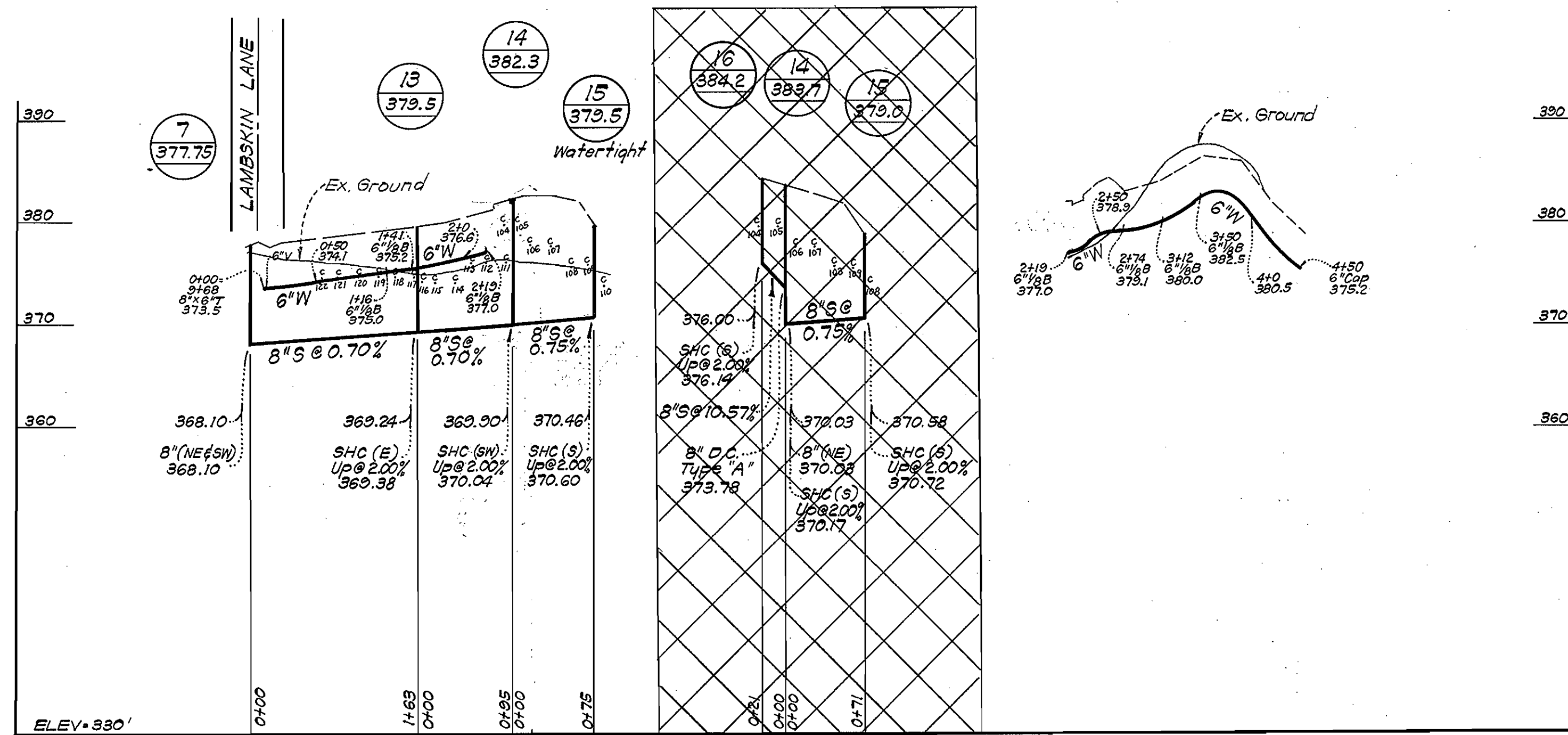
DRAWING NO. 2 OF 3	SCALE H:1"=100' V:1"=10'
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As Built 7-20-77

WS 694-D-W&S/2

LOTS E-104 THRU E-122

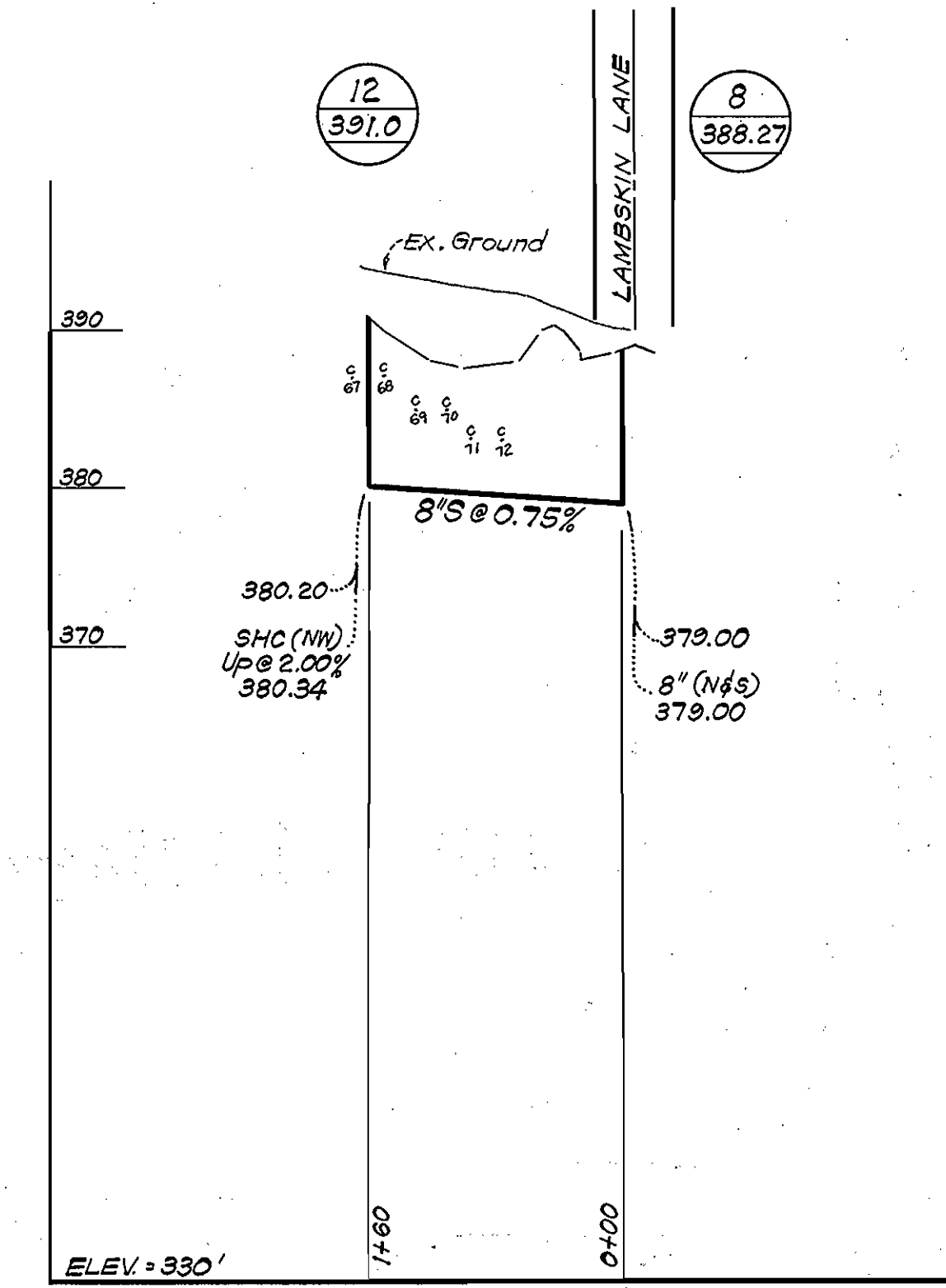
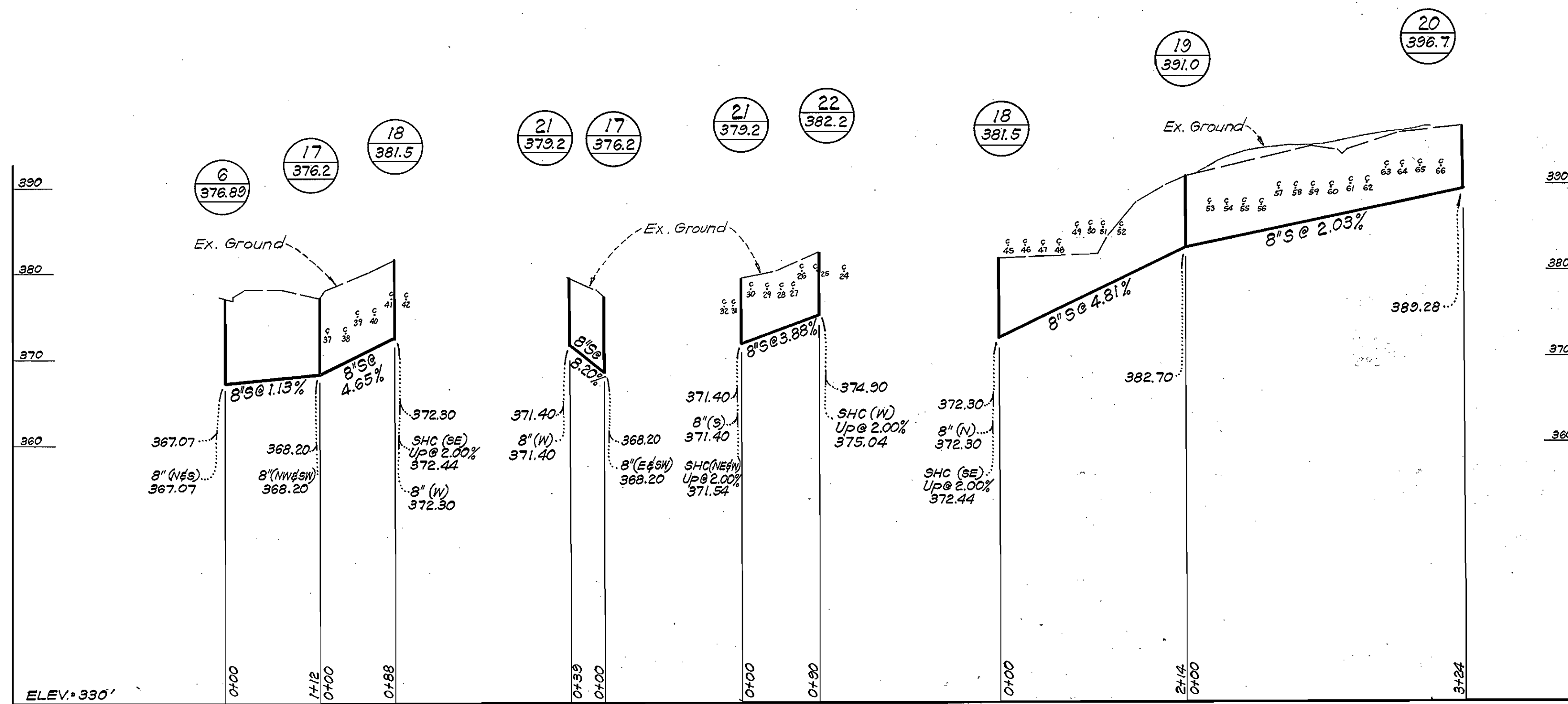
LOTS E-45 THRU E-72



No.	Date	Revision
1	12-15-76	Rev. T&Z indication to read 6"x6" T @ Sta. 0+53 in 6" W in Lots E-45 Thru E-72

LOT E-24 THRU E-66

LOTS E-67 - E-72



R.M. Clark
8-19-76

COLUMBIA
VILLAGE OF LONGREACH
SECTION 1 AREA 1
PARCEL "E"
CONTRACT 2694 D W&S

CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11316 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
11-17-76
DIRECTOR OF PUBLIC WORKS DATE CHIEF, BUREAU OF ENGINEERING DATE

CONTRACT NO. 2694-D W&S

PROFILES OF
WATER & SEWER MAINS

COLUMBIA
VILLAGE OF LONGREACH
ELECTION DISTRICT GUILFORD NO. 6

DRAWING NO. 3 OF 3 SCALE H:1"=100' V:1"=10'

WS 694-D-W&S/3