

VICINITY MAP SCALE : 1" = 600'

CONTRACT NO. 24-1898-D

LONGRIDGE KNOLLS SECTION I AREA 2

MARYLAND COUNTY, HOWARD **WORKS PUBLIC** DEPARTMENT OF

SINGLE FAMILY DETACHED TYPE OF BUILDING NUMBER OF UNITS NUMBER OF SHC!s NUMBER OF WHC's RTE 108 PUMPING STATION DRAINAGE AREA

## GENERAL NOTES

- I. 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 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 by the contractor for tunnelling or bracing at poles shall be included in unit prices bid for construction of the main.
- 6. For details not shown on the drawings, use Howard County Standard Details.
- 7 For materials and construction methods, use Howard County Standard Specifications & Howard County Design Manual, Volume IV. The Contractor shall have a copy of Volume IV on the job.
- 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 531-5533 Baltimore Gas & Electric Company 561 - 2585 Contractor Services 1-559-0100 "Miss Utility" ...234 - 5621 Underground Damage Control... Chesapeake & Potomac (C&P)

..298-9013 725-9976 Trouble-shooting Telephone Company Bureau of Utilities, Howard County... . 992 - 2366 795-1390 Colonial Pipeline Company

- 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 construction of the main.
- 12 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.
- 13. All water mains to be D.I.P., class 52 only.
- 14 Top of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
- 15 Valves adjacent to tees shall be strapped to tees.
- 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 Sections 10.00 and 10.05 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.
- 21 All sewer mains shall be C.S.P.X., V.C.P.X., R.C.S.P., P.V.C. = A.C.P. = Class 2400 unless otherwise noted.
- 22 The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall
- 23 All manholes shall be 4'-0" inside diameter, unless otherwise noted.
- 24 12" and 16" manhole wall thicknesses shown on profiles pertain to brick manholes only.
- 25. Manholes designated W.T. in plan and profile shall have watertight frames and covers. (See Standard Detail G.5.52). Where watertight manhole frame and cover is used, set top of frame 1'-6" above finished grade (See Standard Detail G.5.41)
- 26 House(s) with the symbol "CNS" indicates that cellar cannot be served
- 27 Water main and water house connection lines must have a minimum of one foot separation from either sanitary sewer or sewer house connections as they cross. Except at crossings, water and sewer lines shall have a minimum horizontal separation of 10'
- 18. All D.I.P. fittings shall be in accordance with A.W.W.A. specification C-153 ductile iron compact fittings, 3-inch through 12-inch for water and other liquids.

QUANTITIES						
ITEM ESTIMATE		AS-BUILT	MATERIAL / SUPPLIER			
8 W	402 4	407	CKIFFIN FIFE			
6 W	243 LF	281	CHIFFIN PIRE			
8° 3	695 LF	495	AMERICAN			
4' DIA. MA	6 EA	6	AT-ANTI			
FIH	2 EA	2	KERMEDY			
6" 9HC	134 LF	13 e	-\M=RCAN			
4 " 5HC	633 LF	<b>63</b> 3	APIERICAN'			
3/4" WHC	325 LF	ol '	CAMERIDGE LEE			
I"WHC	478 LF	40.	CAMICRIUGE LEE			

Sediment Control Measures will be implemented in accordance with Section 219 of the Specifications & with Road Construction Plan F89-124; Drawings 6+7 of 8 Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL ERASION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

GEW GUTSCHICK LITTLE&WEBER, P.A. ENGINEERS, PLANNERS, SURVEYORS

> 3909 NATIONAL DRIVE SUITE 250 BURTONSVILLE OFFICE PARK BURTONSVILLE, MD. 20866

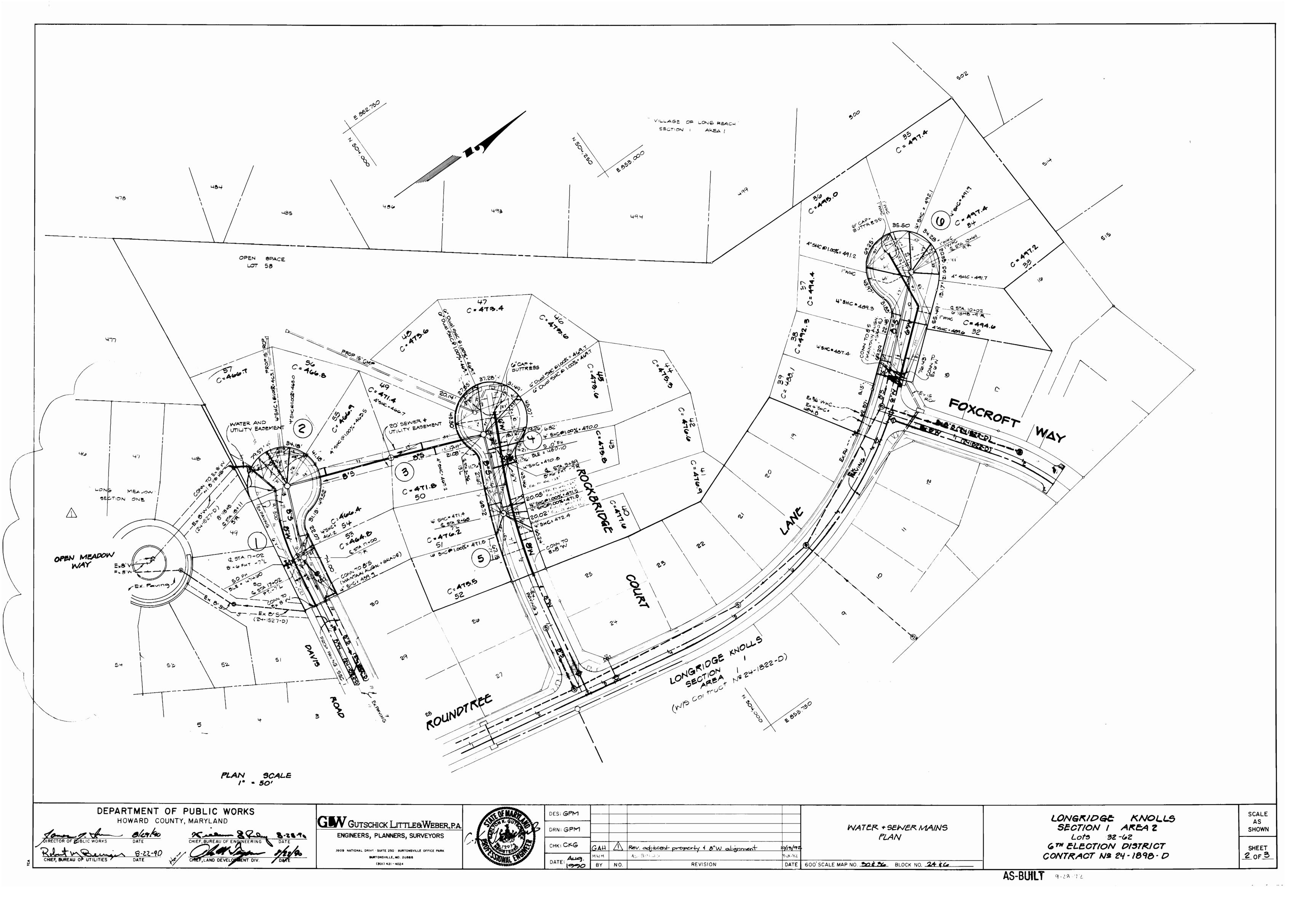
> > (301) 421 - 4024

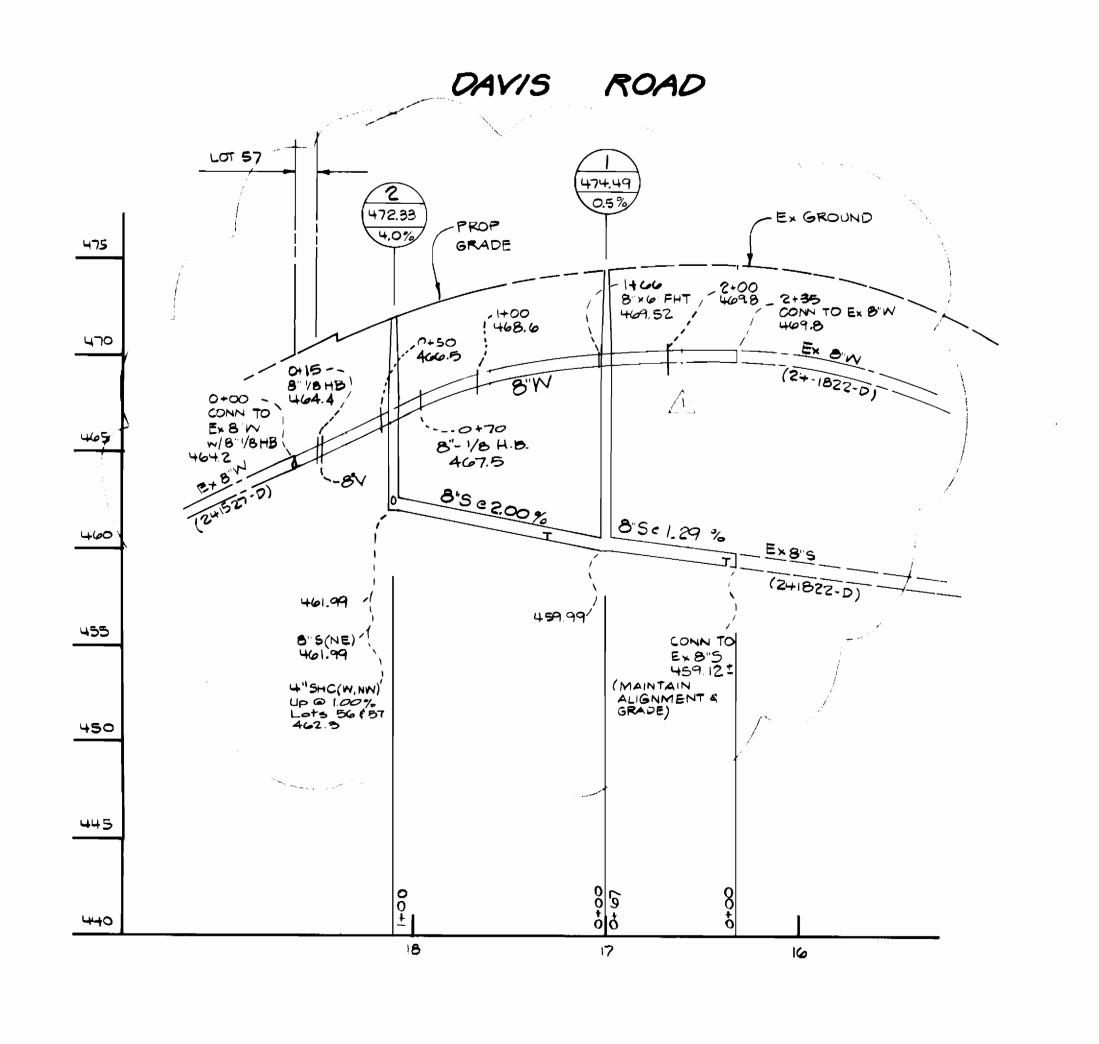
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	DE3: GF 101						
*	DRN: GPM					TITLE	SHEET
	CHK: CKG	GAH	Δ	Rev. Quantities	<b>व्यान/१</b> २		
	AUG	14.74		AL-CHUT	4-26-12		•
	DATE: AUG. 1990	BY	NO.	REVISION	DATE	600 SCALE MAP NO. 304 50	BLOCK NO. 24 6

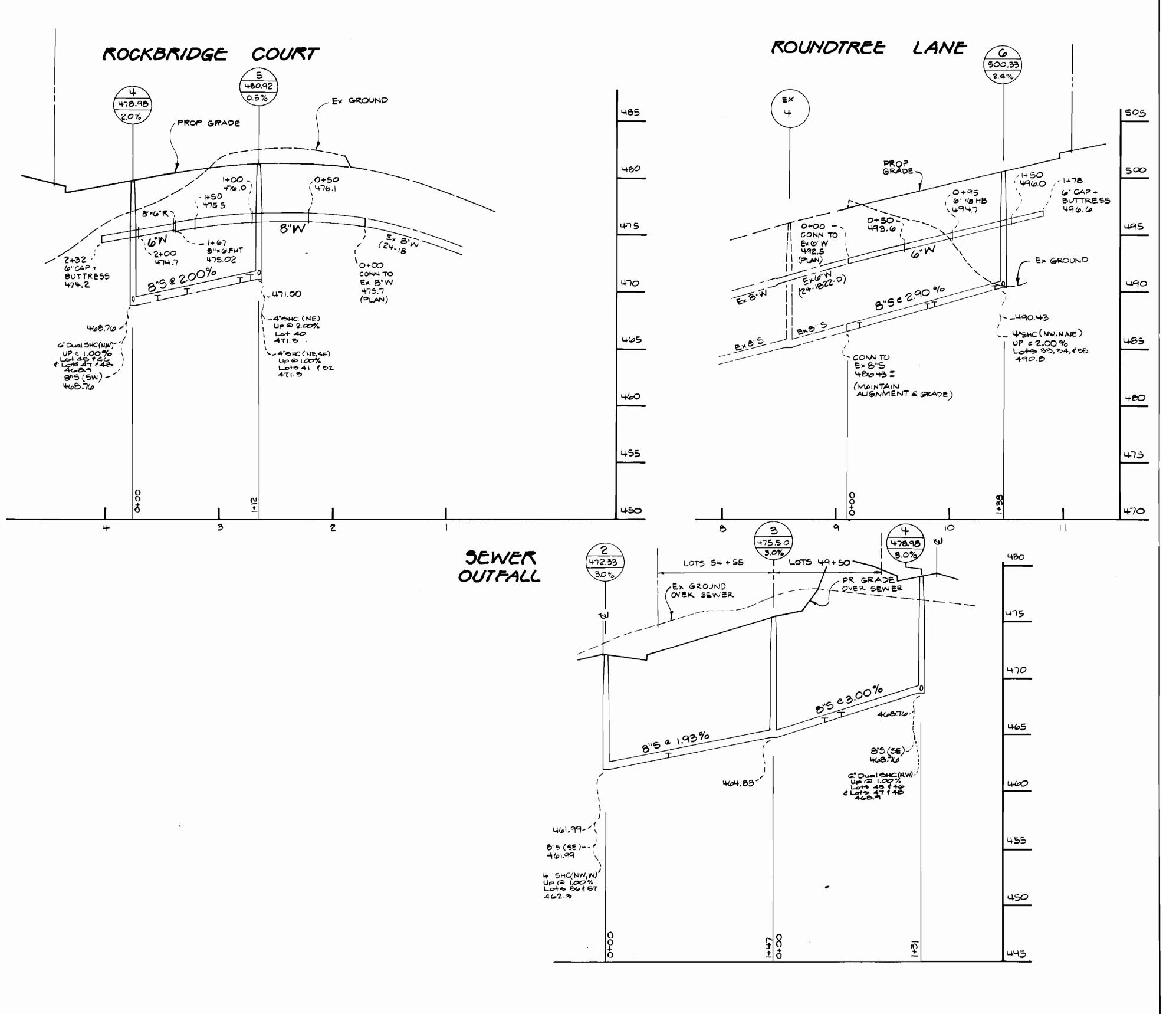
KNOLLS LONGKIDGE SECTION I AREA 2 Lots 32-62 GT ELECTION DISTRICT CONTRACT Nº 24- 1898-D

SCALE SHOWN SHEET <u> 1</u> 0F<u>3</u>

3 28-92







PROFILE SCALE Hor. |"=50' Vert. |"=5'

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

GEW GUTSCHICK LITTLE&WEBER,PA ENGINEERS, PLANNERS, SURVEYORS



	DES: GPM.					
	DRN: G.P.M.					WATER TSEWER MAINS PROFILES
7	CHK: C.K.G.	,				FNOFILES
	DATE: Aug.	GAH BY	NO.	Revise 8" W. profile - Upper left REVISION	10/13/92 DATE	600' SCALE MAP NO. 30 \$ 30 BLOCK NO. 24 \$ 60

LONGRIDGE KNOLLS SECTION I AREA 2 Lots 32-62 GM ELECTION DISTRICT CONTRACT Nº 24-1898 -D

AS SHOWN SHEET 3 OF 3