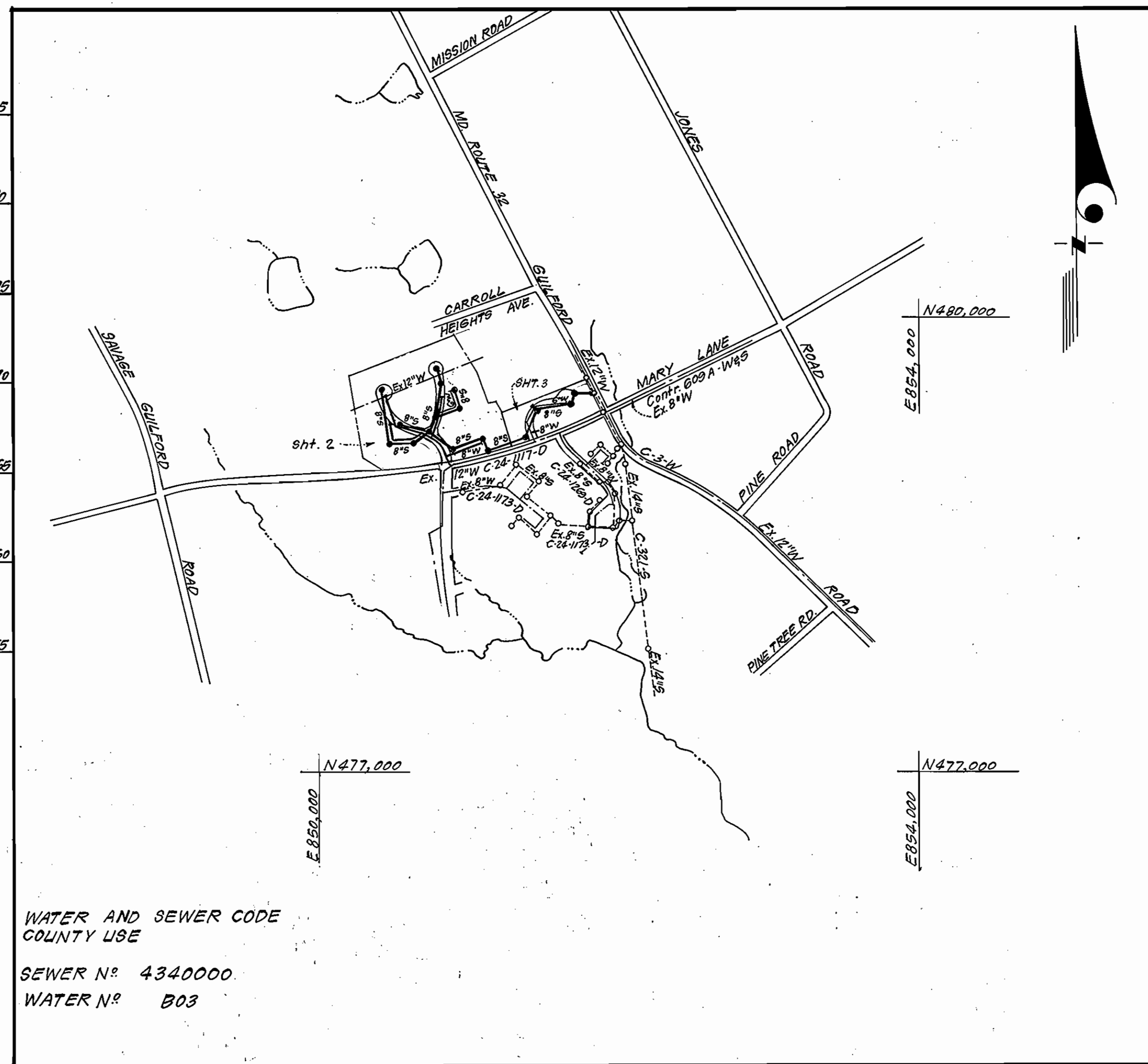
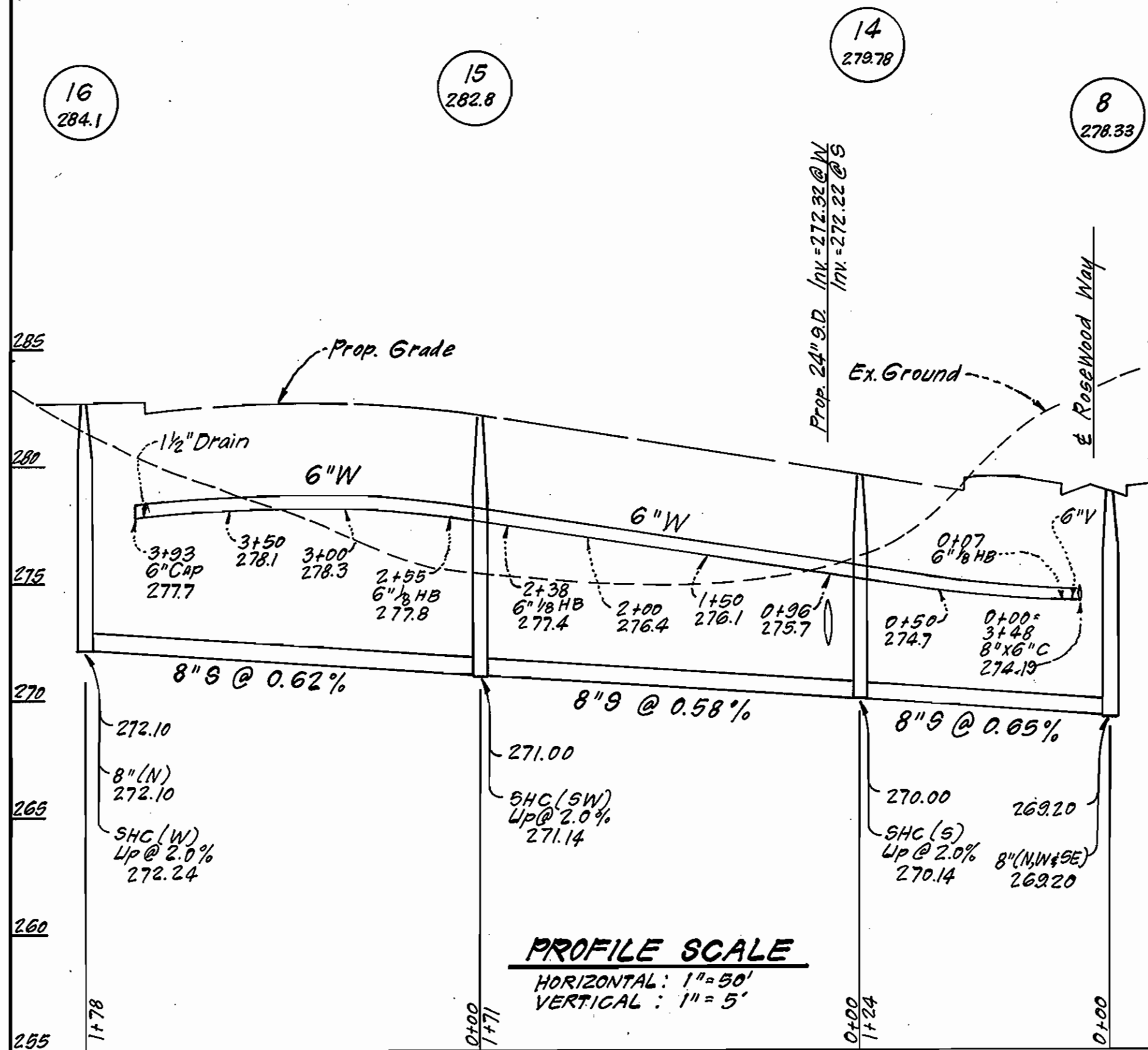


LOTS 207 - 233



WATER AND SEWER CODE
COUNTY USE
SEWER N° 4340000
WATER N° B03

VICINITY MAP
SCALE: 1" = 600'

TYPE OF BUILDING	Townhouses & Single Family Detached
NUMBER OF LOTS	99 Townhouses & 11 Single Family
NUMBER OF SHC's	110
NUMBER OF WHC's	110
DRAINAGE AREA	Little Patuxent

GENERAL NOTES

- 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 Inspector, at the contractor's expense.
- All horizontal controls are based on Maryland State Coordinates.
- All vertical controls are based on U.S.G.S. Datum.
- All pipe elevations shown are invert elevations.
- 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.
- For details not shown on the drawings use Howard County Standard Details.
- For materials and construction methods use Howard County Standard Specifications & H.C. Co. Design Manual, Volume II. The contractor shall have a copy of Volume II on the job.
- 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.
- 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 - Contractor Services - 561-2585
 Baltimore Gas & Electric Company - Underground Damage Control - 234-5621
 Baltimore Gas & Electric Company - Trouble Shooting - 298-3013
 "Miss Utility" - 1-559-0100
 Chesapeake & Potomac (C & P) Telephone Company - 725-9976
 Colonial Pipeline Company - 795-1390
 Bureau of Utilities Howard County - 992-2366
- 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.
- Contractor shall remove trees, stumps, and roots along line of excavation as directed by the Inspector. Payment for such removal shall be included in the unit price bid for excavation and backfill.
- 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.
- All water mains to be D.I.P. unless otherwise noted.
- Top of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- Block all fittings with concrete.
- 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 1003 & 1008 of the Standard Specifications.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on the existing system.
- All sewer mains shall be C.S.P.X., V.C.P.X., P.V.C., or A.C.P. Class 2400 unless otherwise noted.
- The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
- All manholes shall be 4'-0" inside diameter, unless otherwise noted.
- Water main and water house connection lines must have a minimum of one foot separation from the sanitary sewer and sewer house connections as they cross. Except at crossings, water and sewer lines shall have a minimum horizontal separation of 10'.
- For all Copper Water House Connections, utilize flared type fittings only.
- Wall thicknesses shown on Profiles pertain to brick manholes only.

ELEVATIONS					
LOT	INV. @ R.L.	Min. Cellar	LOT	INV. @ R.L.	Min. Cellar
187	226.76	229.9	232-233	272.00	275.7
188-189	226.90	230.0	234-235	274.08	277.8
190-191	227.32	230.4	236-237	274.10	277.2
192-193	228.07	231.2	238-239	273.26	276.4
194-195	229.30	232.4	240-241	272.47	275.6
196-197	230.60	233.7	242-243	272.31	275.4
198	231.74	234.8	244-245	272.62	275.7
199-200	236.54	239.6	246-247	272.76	275.9
201-202	236.95	240.1	248-249	272.97	276.1
203-204	237.87	241.0	250-251	277.44	280.5
205-206	237.84	240.9	252-253	276.95	280.0
207	270.14	273.2	254	270.50	279.6
208-209	270.23	273.3	255-256	275.93	279.0
210-211	270.34	273.4	257-258	275.46	278.6
212-213	270.42	273.5	259-260	275.70	278.8
214-215	270.77	273.9	261-262	274.96	278.1
216-217	270.92	274.0	263-264	274.41	277.5
218-219	271.08	274.2	265-266	273.80	276.9
220-221	271.17	274.3	267-268	273.26	276.4
222-223	271.40	274.6	269-270	267.48	270.6
224-225	271.54	274.6	271-272	266.53	269.6
226-227	271.77	274.9	273-274	265.57	268.7
228-229	272.15	275.2	275-276	264.09	267.2
230-231	272.97	275.5	277-278	263.14	266.2
279-280	262.70	265.8			
281-282	262.30	265.4			
283-284	261.92	265.0			
285	258.39	261.5			

CONTRACT NO. 24-1372-D
 ASPENWOOD
 SECTION 3 AREA I
 HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS

QUANTITIES			
ITEM	ESTM'D	AS-BUILT	MATERIAL/SUPPLIER
8" S	3066 LF	2983 LF	BELAIR ROAD SUPPLY CO., INC.
8" W	1580 LF	1466 LF	MUNICIPAL & CONTRACTOR SALES, INC.
6" W	845 LF	920 LF	MUNICIPAL & CONTRACTOR SALES, INC.
4" Dia. MH	18 EA	18 EA	ATLANTIC PRECAST CONCRETE CORP.
F.H.	5 EA	5 EA	" " " "
8" V	5 EA	5 EA	" " " "
6" V (Exc. PHV)	2 EA	2 EA	" " " "
12"x8" T.S.#V.	3 EA	3 EA	" " " "
1 1/2" Drain	3 EA	3 EA	" " " "
6" SHC	1521 LF	1680 LF	BELAIR ROAD SUPPLY CO., INC.
2" WHC	28 LF	28 LF	MUNICIPAL & CONTRACTOR SALES, INC.
1" WHC	1171 LF	1760 LF	" " " "
3/4" WHC	1524 LF	1905 LF	" " " "

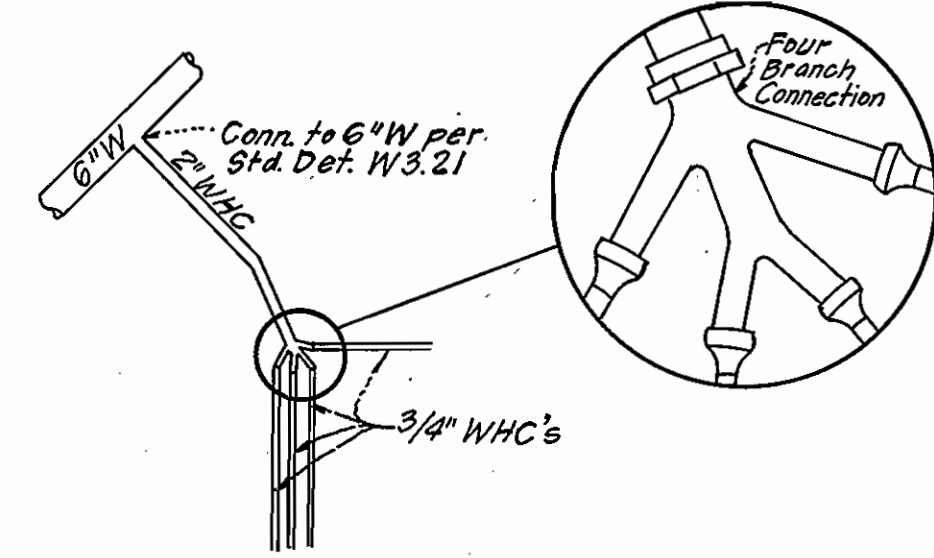
Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Road Construction Plan F-85-179; Drawings 6 & 7, Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
 Signature: *James M. Miller* DATE: 9-27-85
 U.S. SOIL CONSERVATION SERVICE

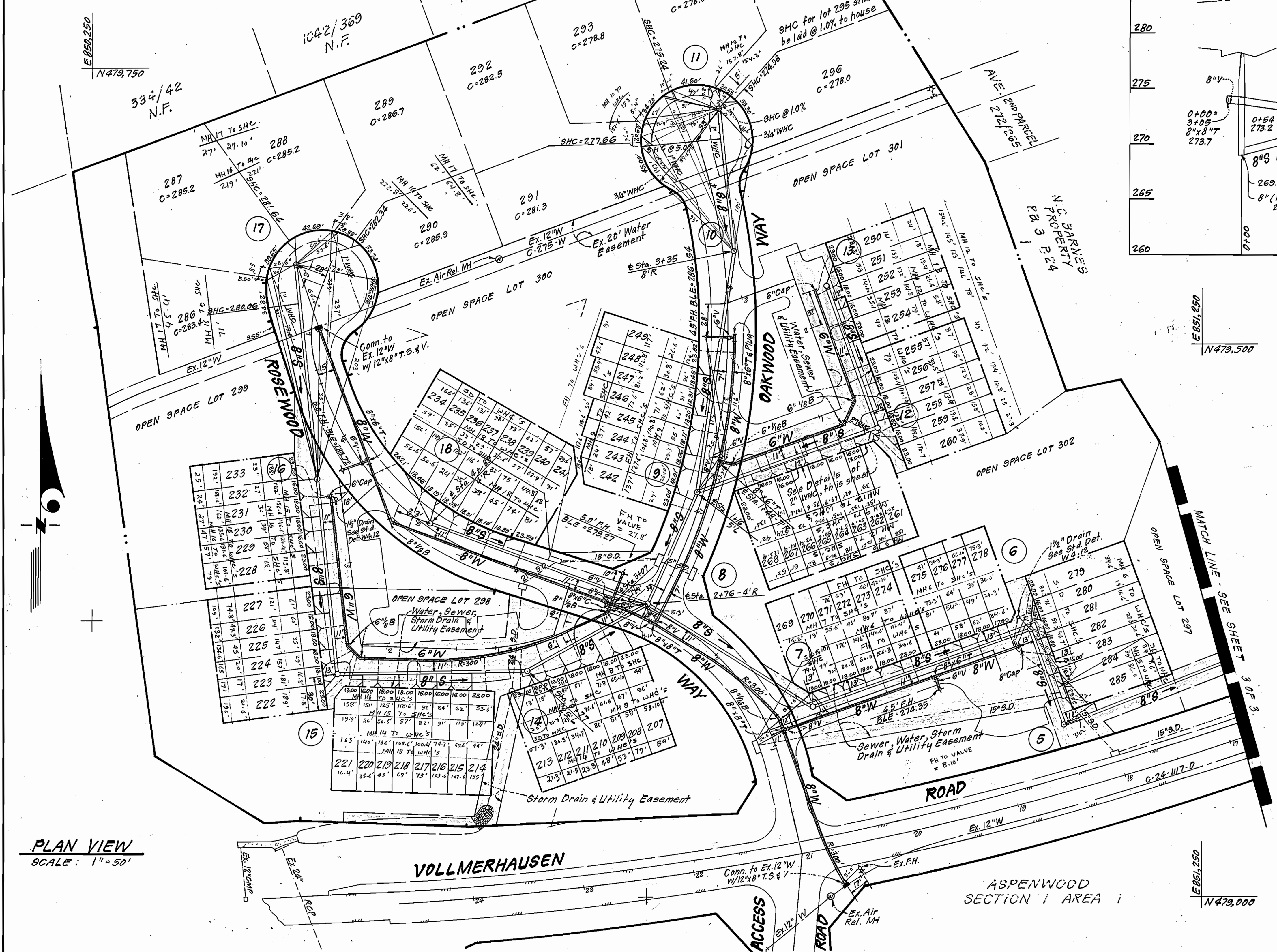
This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED:
 Signature: *Stephen L. Hulse* DATE: 9/27/85
 HOWARD S.C.D. DATE

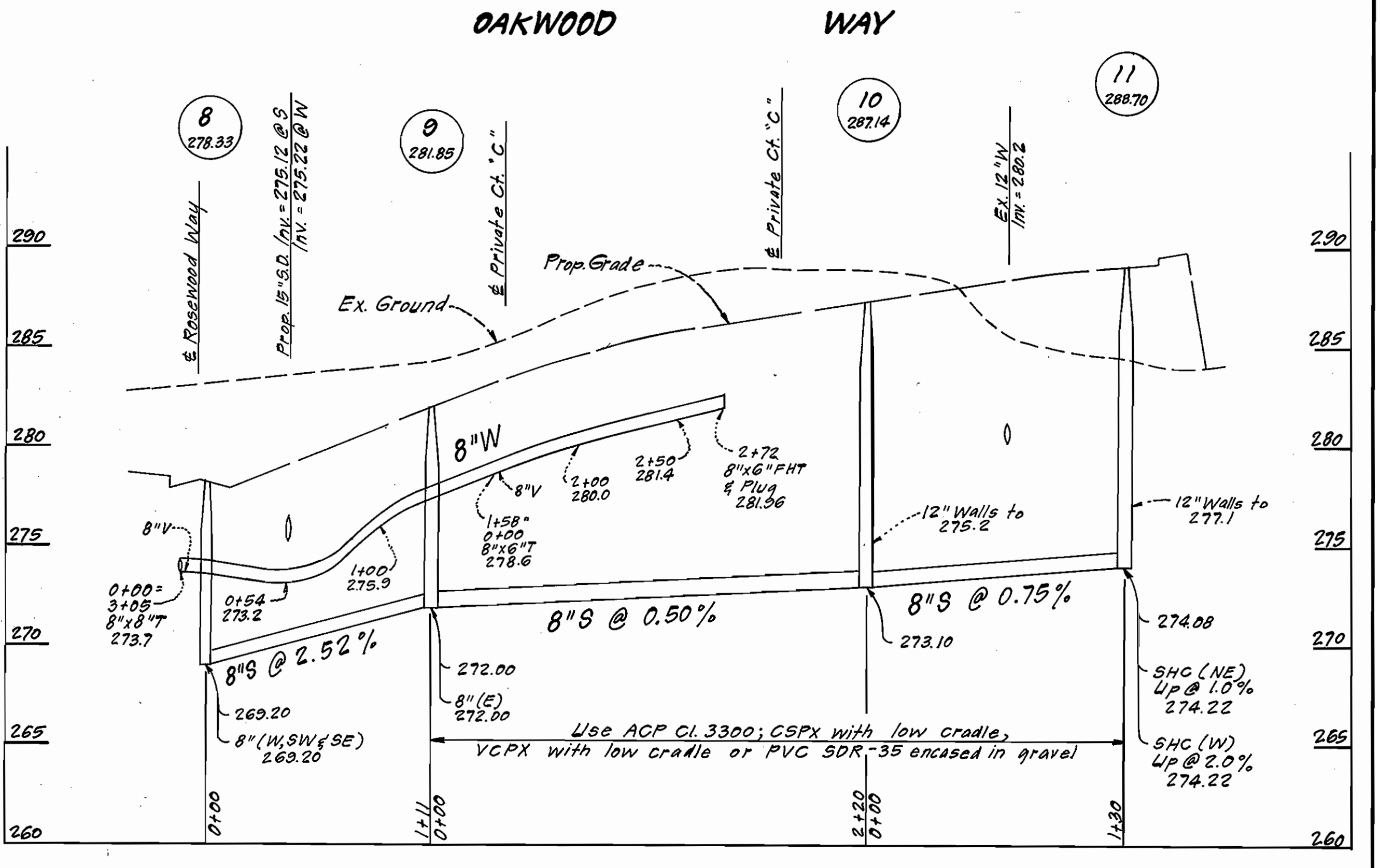
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Director: <i>Wm. F. Nummy</i> DATE: 10-2-85 Chief, Bureau of Engineering: <i>Robert M. ...</i> DATE: 10-1-85 Chief, Bureau of Utilities: <i>...</i> DATE: 10-1-85	CLARK • FINEROCK & SACKETT ENGINEERS - PLANNERS - SURVEYORS 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593-3400	DES: C.K.G. DRN: V.L.B. CHK: C.K.G. DATE: 7/85	ASPENWOOD SECTION 3 AREA I LOTS 187 THRU 296 6TH ELECTION DISTRICT CONTRACT NO. 24-1372-D	SCALE AS SHOWN SHEET 1 OF 3
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4-WAY WHC DETAIL
LOTS 258 THRU 261
NO SCALE

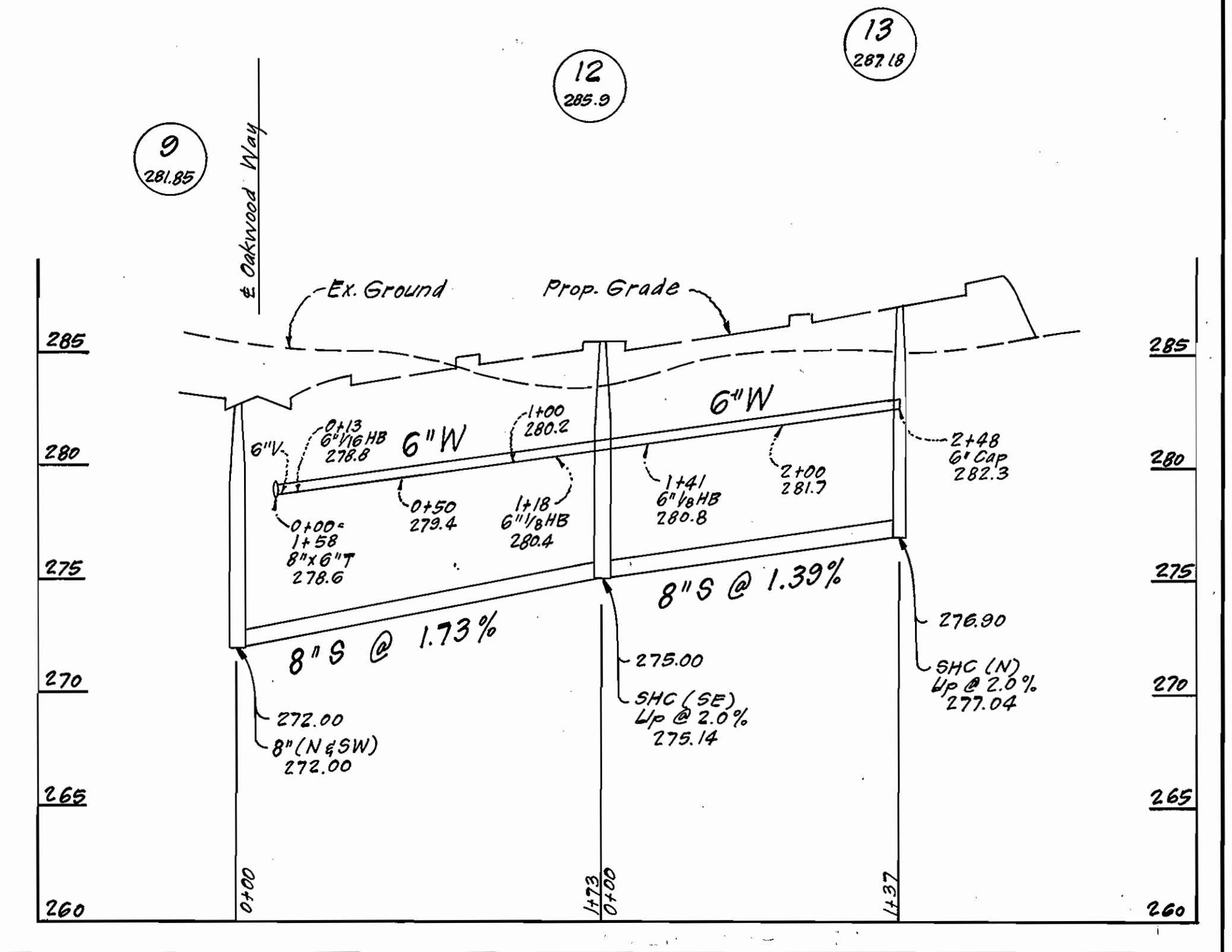


PLAN VIEW
SCALE: 1" = 50'



PROFILE SCALE
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'

LOTS 250 - 268



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

John F. Nummy 10-2-85
DIRECTOR OF PUBLIC WORKS DATE

Robert M. Bringer 10-14-85
CHIEF, BUREAU OF UTILITIES DATE

Michael J. ... 10-2-85
CHIEF, BUREAU OF ENGINEERING DATE

... 10-2-85
CHIEF, LAND DEVELOPMENT DIV. DATE

CFS CLARK · FINEPROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE, SILVER SPRING, MARYLAND 20904
(301) 593-3400



DES: C.K.G.	VLAM	1	Added Lot Frontages.	10/31/85
DRN: V.L.B.				
CHK: C.K.G.				
DATE: 7/85	BY	NO.	REVISION	DATE

PLAN & PROFILES OF
WATER & SEWER MAINS

600 SCALE MAP NO. _____ BLOCK NO. _____

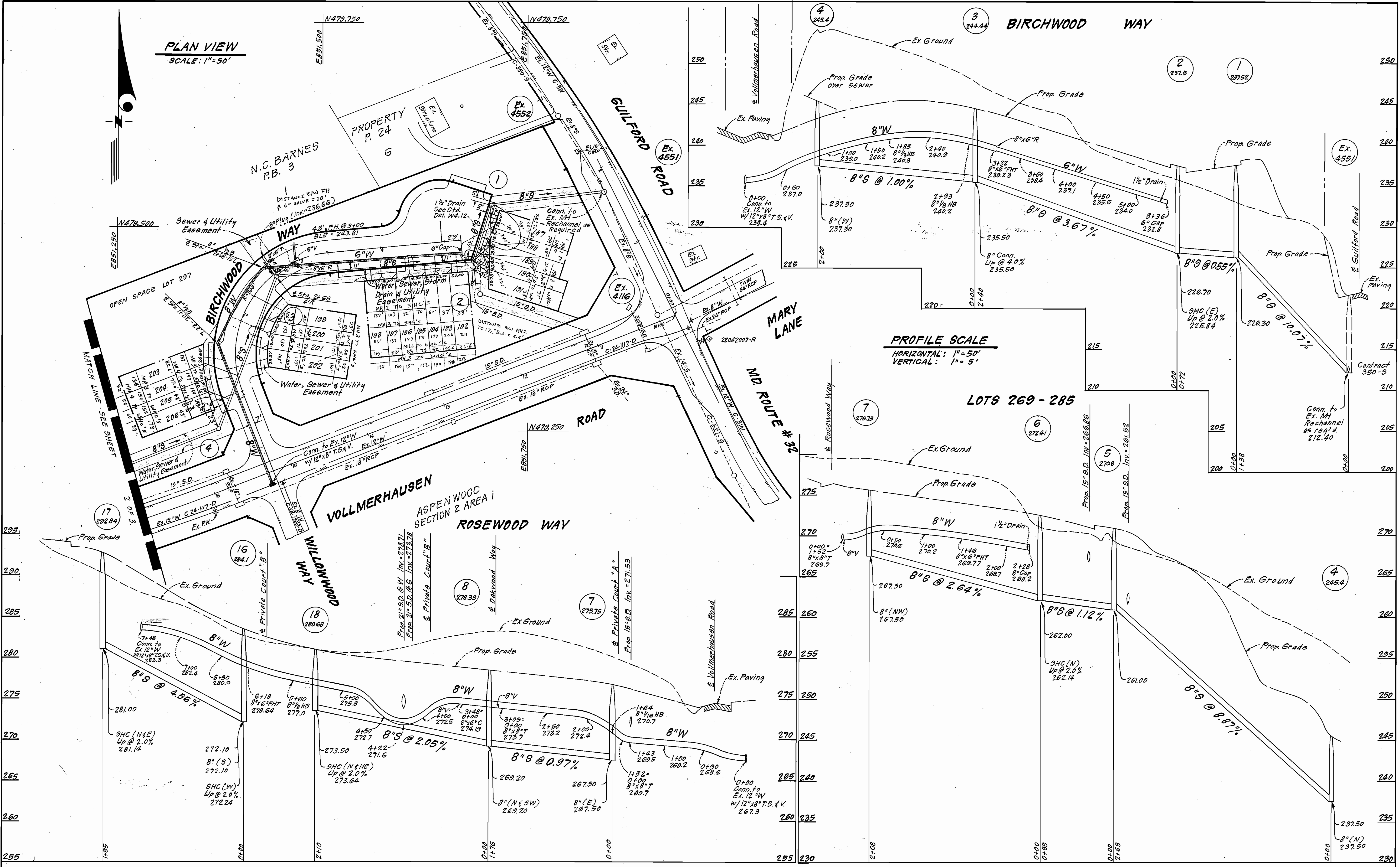
ASPENWOOD
SECTION 3 AREA I
LOTS 187 THRU 296
6TH ELECTION DISTRICT
CONTRACT NO. 24-1372-D

SCALE
AS SHOWN

SHEET
2 OF 3

PLAN VIEW
SCALE: 1"=50'

PROFILE SCALE
HORIZONTAL: 1"=50'
VERTICAL: 1"=5'



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

John F. Nunn
DIRECTOR OF PUBLIC WORKS
DATE: 10-2-85

William E. Sackett
CHIEF, BUREAU OF ENGINEERING
DATE: 10-2-85

William E. Sackett
CHIEF, BUREAU OF UTILITIES
DATE: 10-1-85

CFS CLARK · FINEPROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

1154 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
(301) 593-3400



DES: C.K.G.	VLM	1	Added Lot Frontages	10/31/85
DRN: V.L.B.				
CHK: C.K.G.				
DATE: 7/85				
BY	NO.	REVISION	DATE	

PLAN & PROFILES OF
WATER & SEWER MAINS

ASPENWOOD
SECTION 3 AREA I
LOTS 187 THRU 296
6TH ELECTION DISTRICT
CONTRACT NO. 24-1372-D

SCALE
AS SHOWN

SHEET
3 OF 3