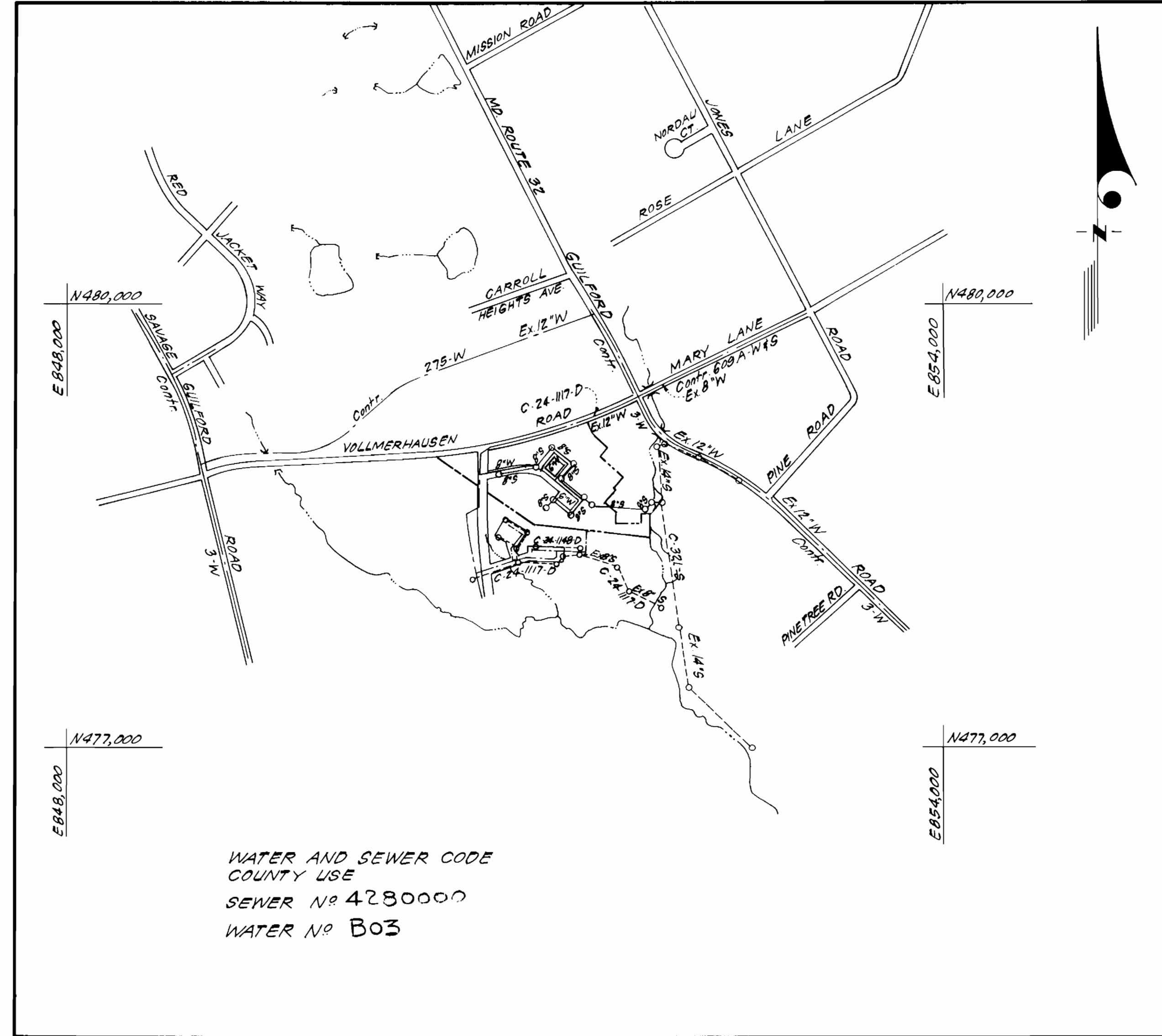


TYPE OF BUILDING	SINGLE FAMILY ATTACHED
NUMBER OF LOTS	78
NUMBER OF SHC'S	78
NUMBER OF WHC'S	78
DRAINAGE AREA	Little Patuxent



WATER AND SEWER CODE
 COUNTY USE
 SEWER No 4280000
 WATER No B03

VICINITY MAP

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.
- 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 - Underground Electric Distribution Customer Service - 685-0123
 - Baltimore Gas & Electric Company - Underground Gas Distribution Customer Service - 685-0123
 - Engineering - Damage Control - 234-5621
 - "Miss Utility" - 1-559-0100
 - Chesapeake & Potomac (C & P) Telephone Company - 725-9976
 - American Telephone and Telegraph - Cable Location Division - 393-3553
 - Colonial Pipeline Company - 781-4641
 - 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 C.I.P. or 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 3701 & 3705 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.
- Manhole designated with "W.T." in profile shall have water tight frames and covers. See Standard Detail.

CONTRACT NO. 24-1173-D
 ASPENWOOD
 SECTION I AREA I
 HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Rough Grading Plan Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.
 SIGNATURE: *[Signature]* DATE: 12-1-83
 U.S. SOIL CONSERVATION SERVICE
 This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 APPROVED: *[Signature]* DATE: 12-1-83
 HOWARD S.C.D.

QUANTITIES			
ITEM	ESTM'D	AS-BUILT	MATERIAL/SUPPLIER
6" W	681 LF	675 LF	DIP CLASS 52 / GRIFFIN PIPE PRODUCTS
8" W	648 LF	658 LF	DIP CLASS 52 / GRIFFIN PIPE PRODUCTS
8" S	1865 LF	1,829 LF	P.V.C. / JOHNS-MANVILLE
F.H.	2 EA.	2 EA.	C.I. / U.S. PIPE
6" (VERT. FH)	4 EA.	4 EA.	C.I. / MUELLER CORP.
12" x 8" T.S. & V	1 EA.	1 EA.	C.I. / U.S. PIPE
2' Manhole	14 EA.	14 EA.	CONCRETE / ATLANTIC PRECAST
3/4" WHC	1114 LF	1475 LF	SOFT COPPER / HOWELL METALS CO.
1" WHC	653 LF	650 LF	SOFT COPPER / HOWELL METALS CO.
2" WHC	196 LF	198 LF	SOFT COPPER / HOWELL METALS CO.
6" SHC	1297 LF	1640 LF	P.V.C. / JOHNS-MANVILLE

ASPENWOOD
 SECTION I AREA I
 LOTS 1 THRU 81

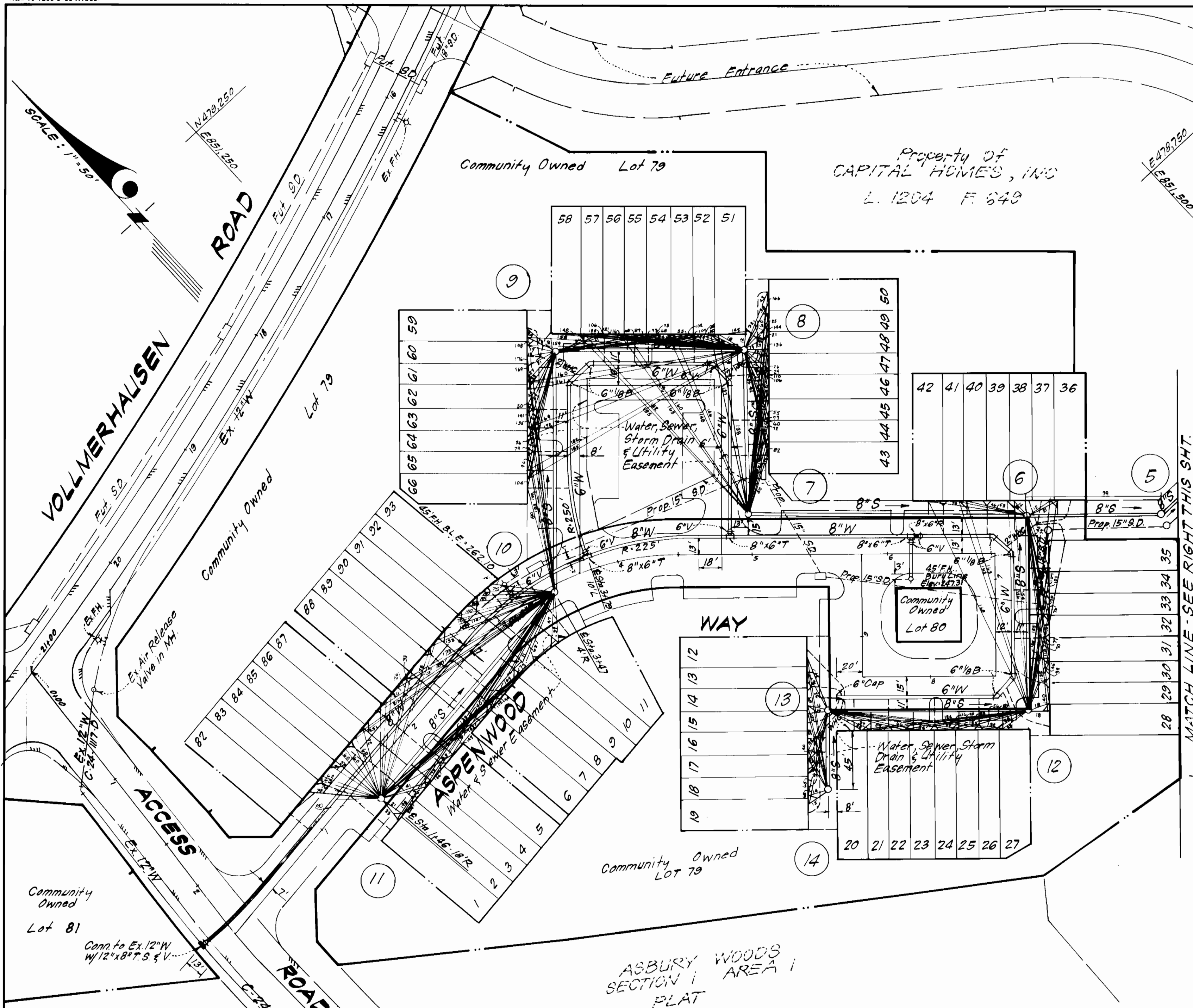
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: *[Signature]* DATE: 12-1-83
 Chief, Bureau of Engineering: *[Signature]* DATE: 12-1-83
 Chief, Bureau of Utilities: *[Signature]* DATE: 12-1-83
 Chief, Land Development Div.: *[Signature]* DATE: 12-1-83

CLARK, FINEPROCK & SACKETT
 ENGINEERS - PLANNERS - SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
 (301) 593-3400
[Signature]

DES: C.K.G.					
DRN: V.L.B.					
CHK: C.K.G.					
DATE: 10-83	BY	NO.	REVISION	DATE	

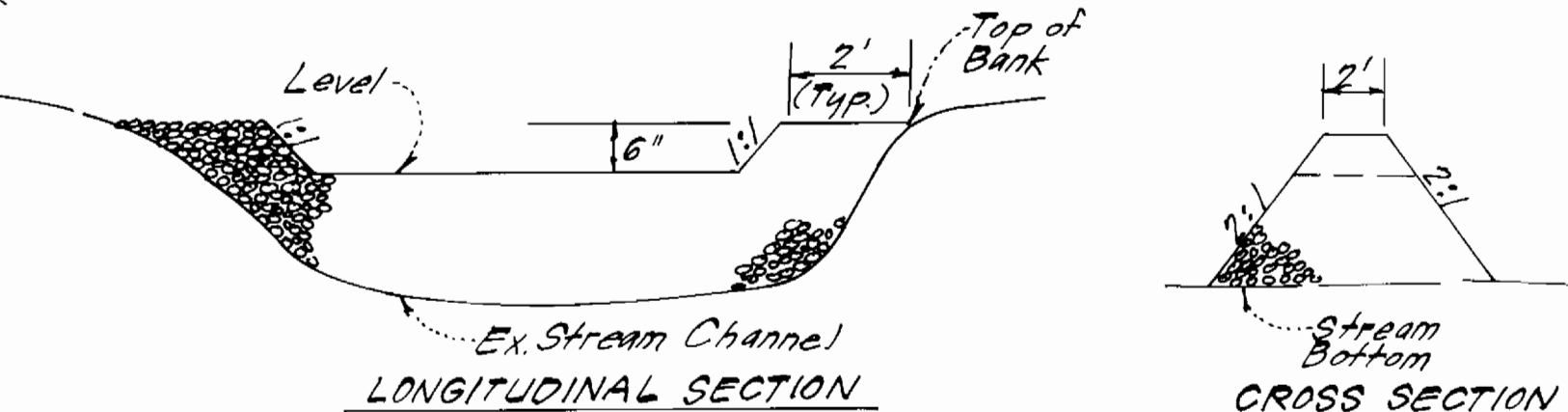
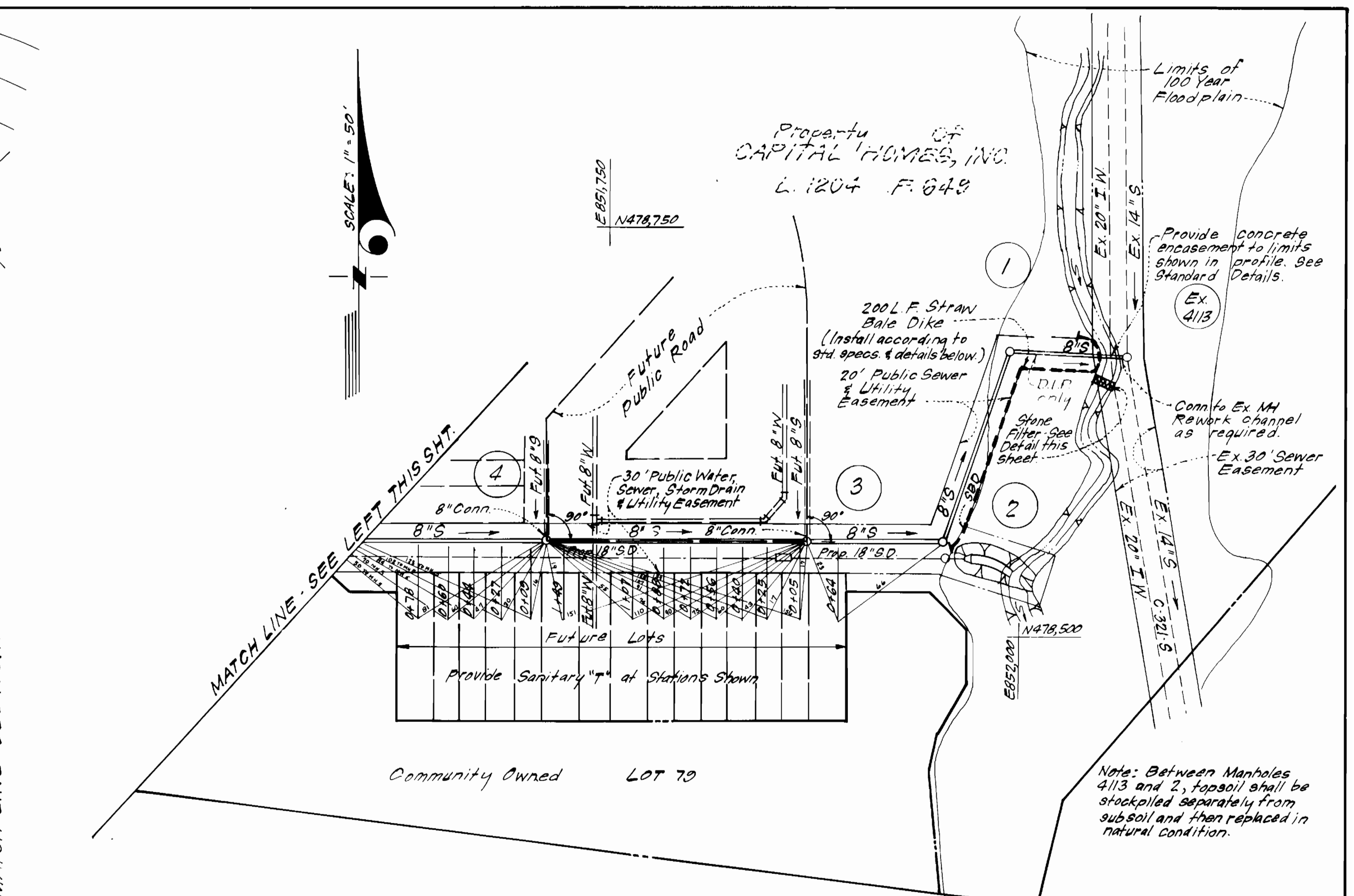
TITLE SHEET
 600' SCALE MAP NO. 47 BLOCK NO.

ASPENWOOD
 SECTION I AREA I
 6TH ELECTION DISTRICT
 CONTRACT NO. 24-1173-D
 SCALE 1" = 600'
 SHEET 1 OF 3



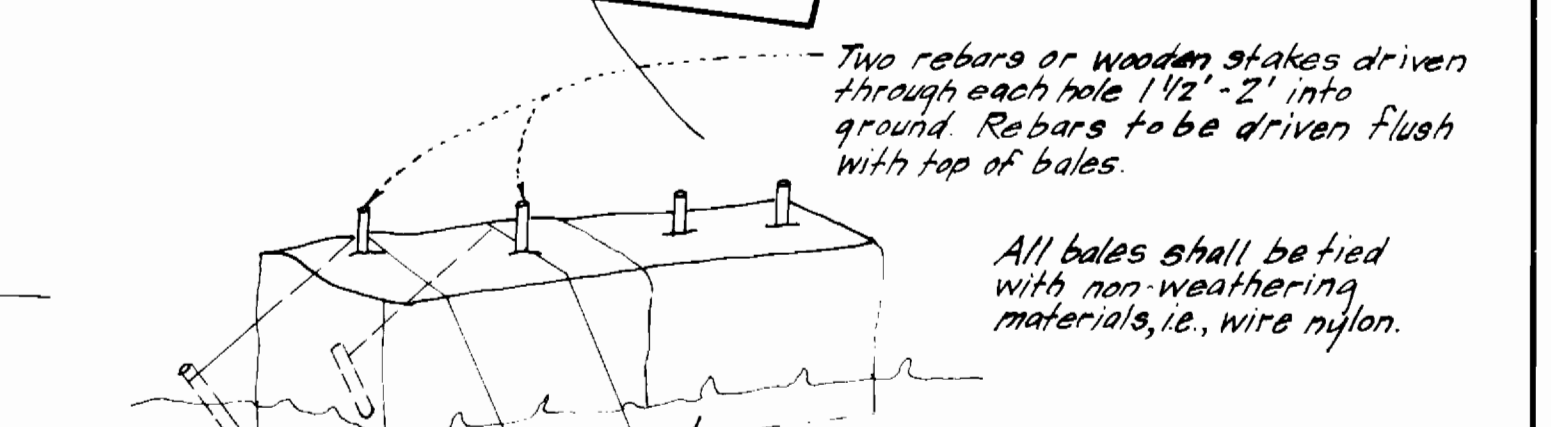
ASBURY WOODS SECTION I AREA 3 PLAT
 W/12"x8" T.S. & V.
 N42°28'25.0"
 E88°21'25.0"

ASBURY WOODS SECTION I AREA 1 PLAT
 N42°28'25.0"
 E88°21'25.0"



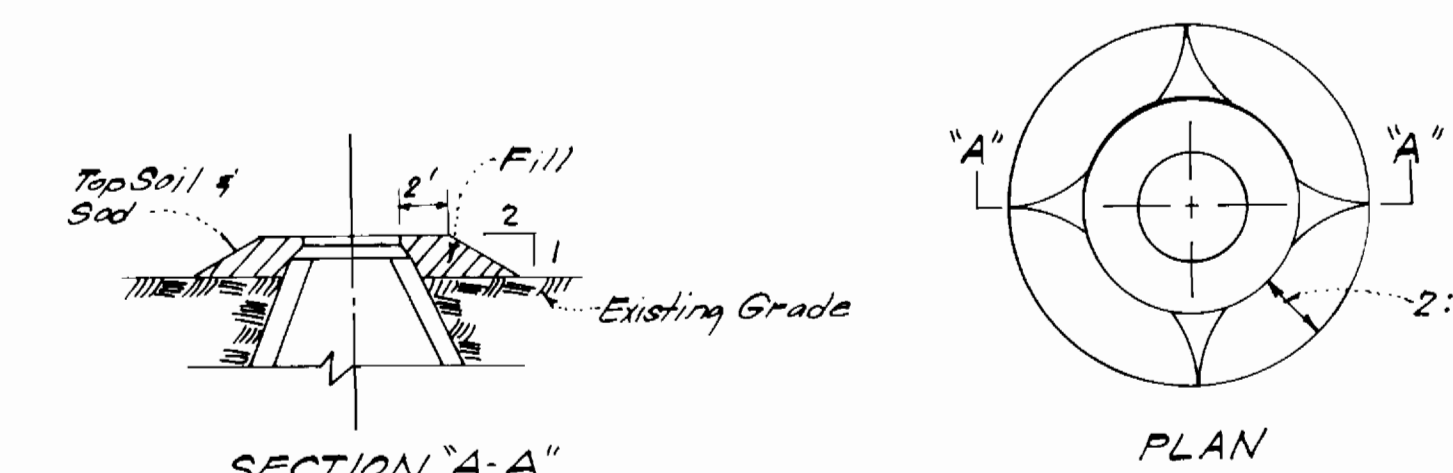
STONE FILTER AT STREAM CROSSING
 No SCALE

NOTES: 1) All Stones shall be 3' to 6" Surge Stone or Md. No. 1 Stone.
 2) Remove filter immediately following backfilling and rip-rap placement in stream.

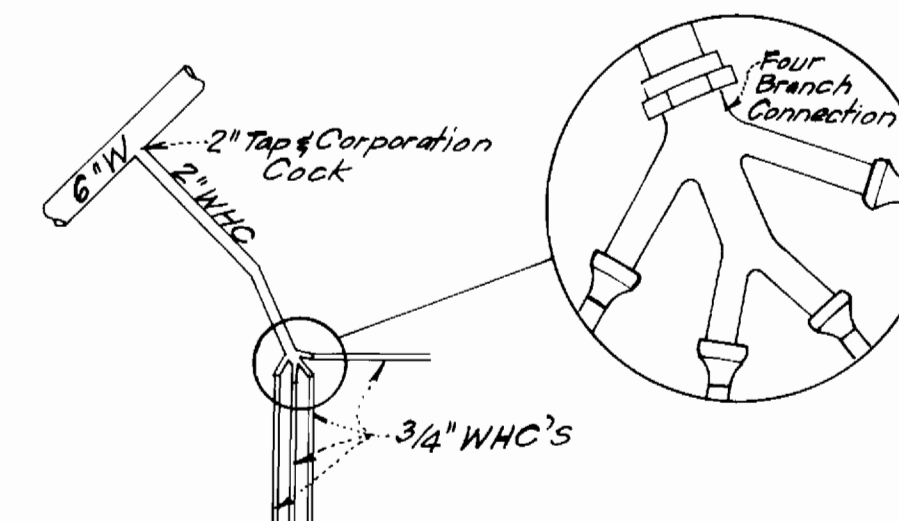


STRAW BALE DIKE DETAIL (S.B.D.)
 No SCALE

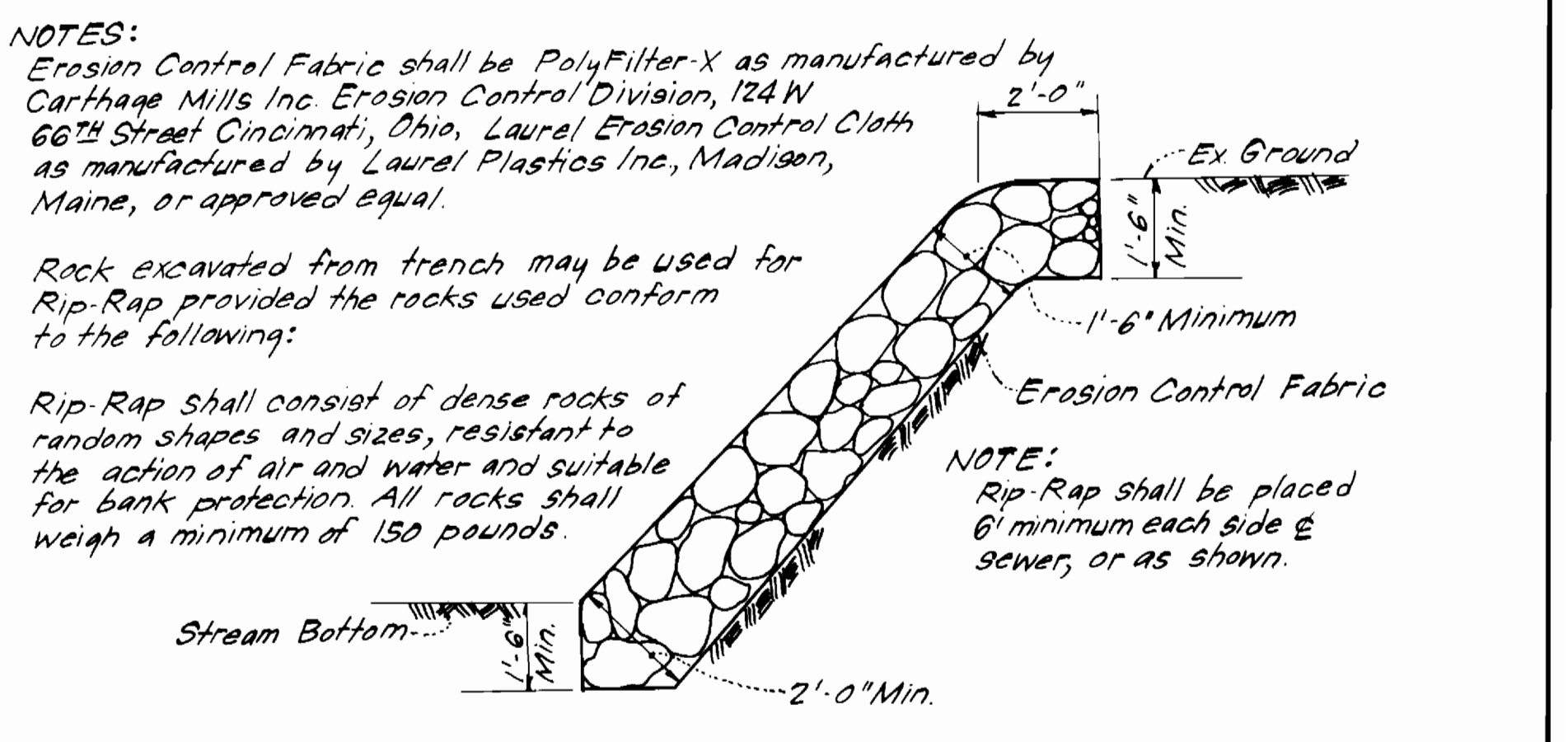
Note: 1. In lieu of the use of rebar each straw bale may be fastened to ground with pegs (4 per bale and wire or nylon as shown above).



FILL AT MANHOLE
 No Scale



4-WAY WHC DETAIL
 (Lots 16-19, 35-38, 48-51 and 58-61)
 No Scale



RIP-RAP DETAIL
 No Scale

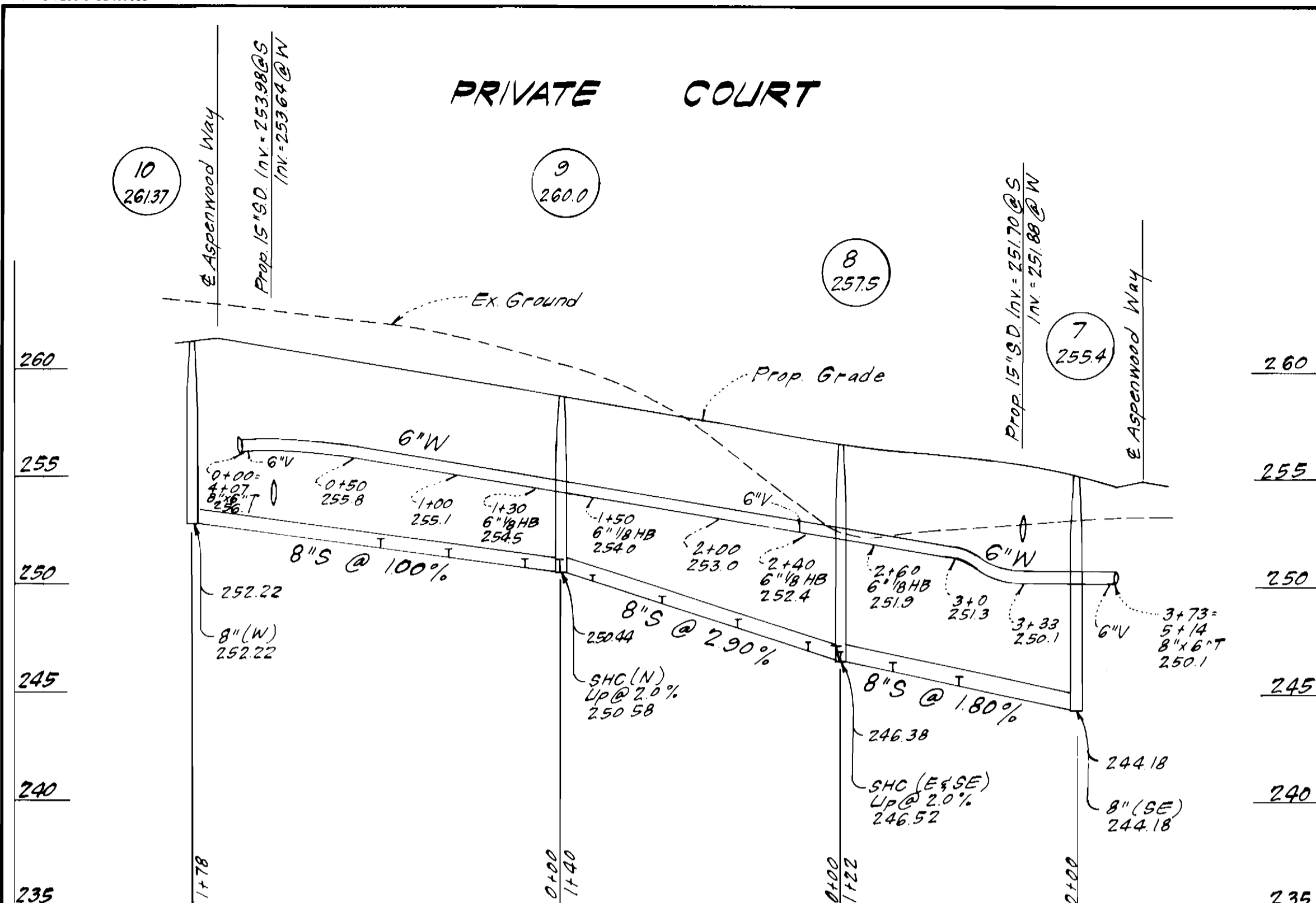
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: [Signature]
 Chief, Bureau of Engineering: [Signature]
 Chief, Bureau of Utilities: [Signature]

CLARK, FINEFROCK & SACKETT
 ENGINEERS - PLANNERS - SURVEYORS
 11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
 (301) 593-3400

DES: C.K.G.	V.L.B.	1	Revised as per comments dated Feb. 9, 1984	2/4/84
DRN: V.L.B.	V.L.B.	2	Rev. WHC's & SHC's For Lots 82-93.	3/31/84
CHK: C.K.G.				
DATE: 10-83	BY: NO.		REVISION	DATE

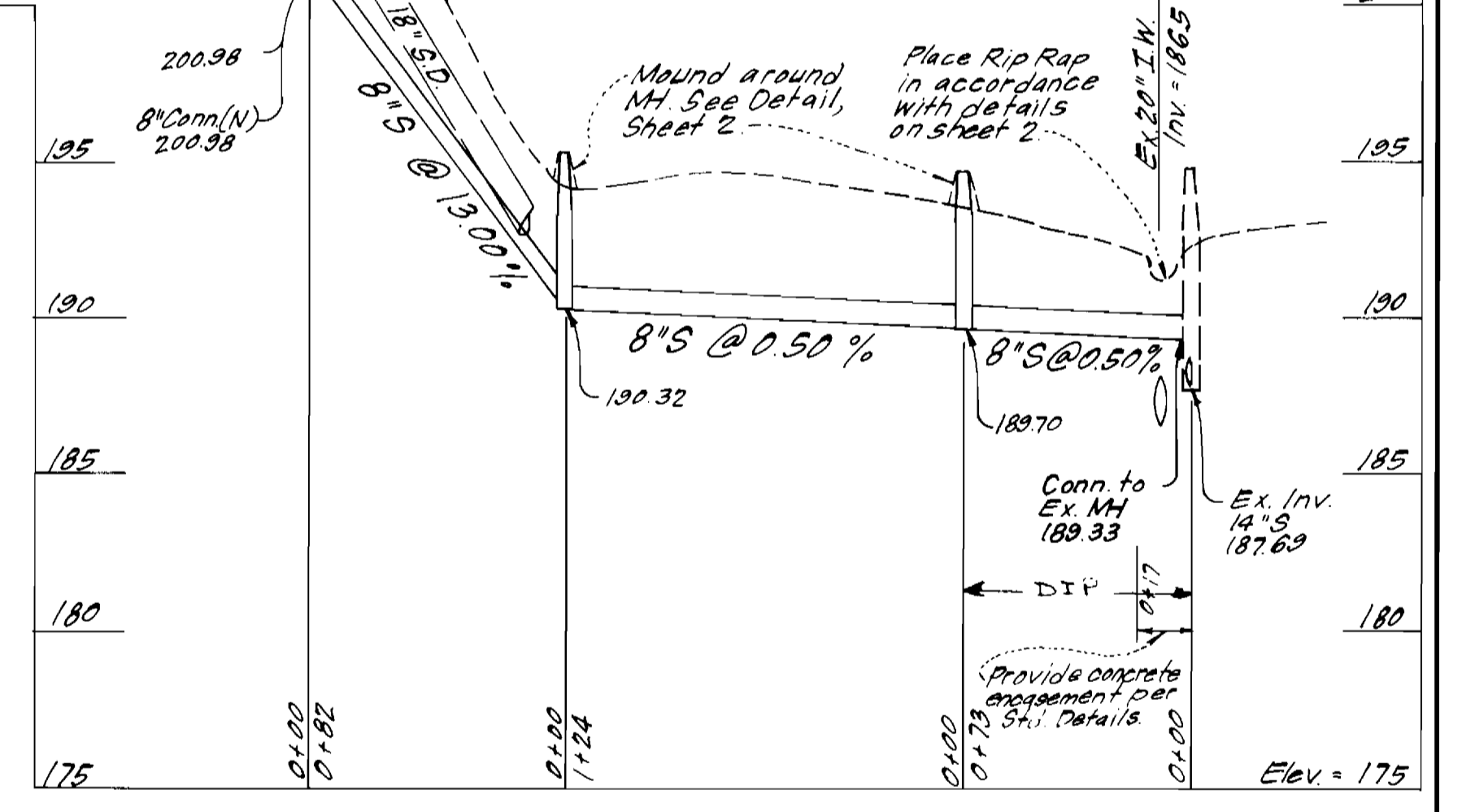
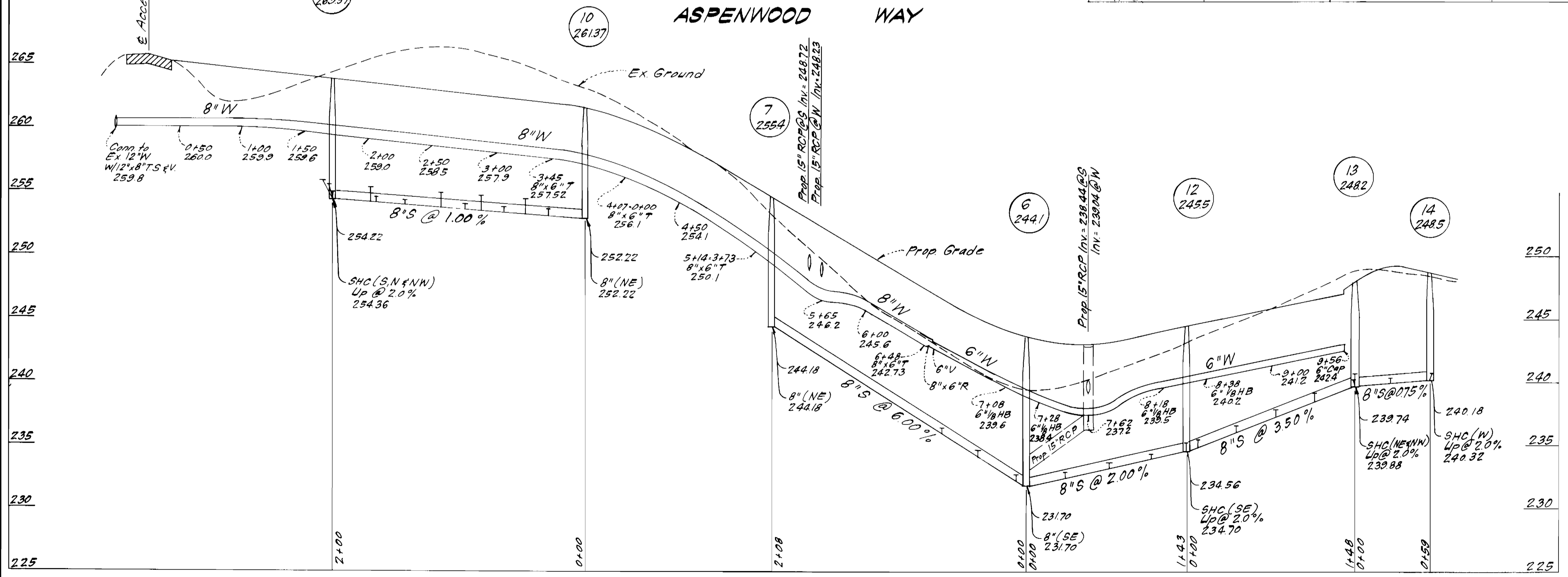
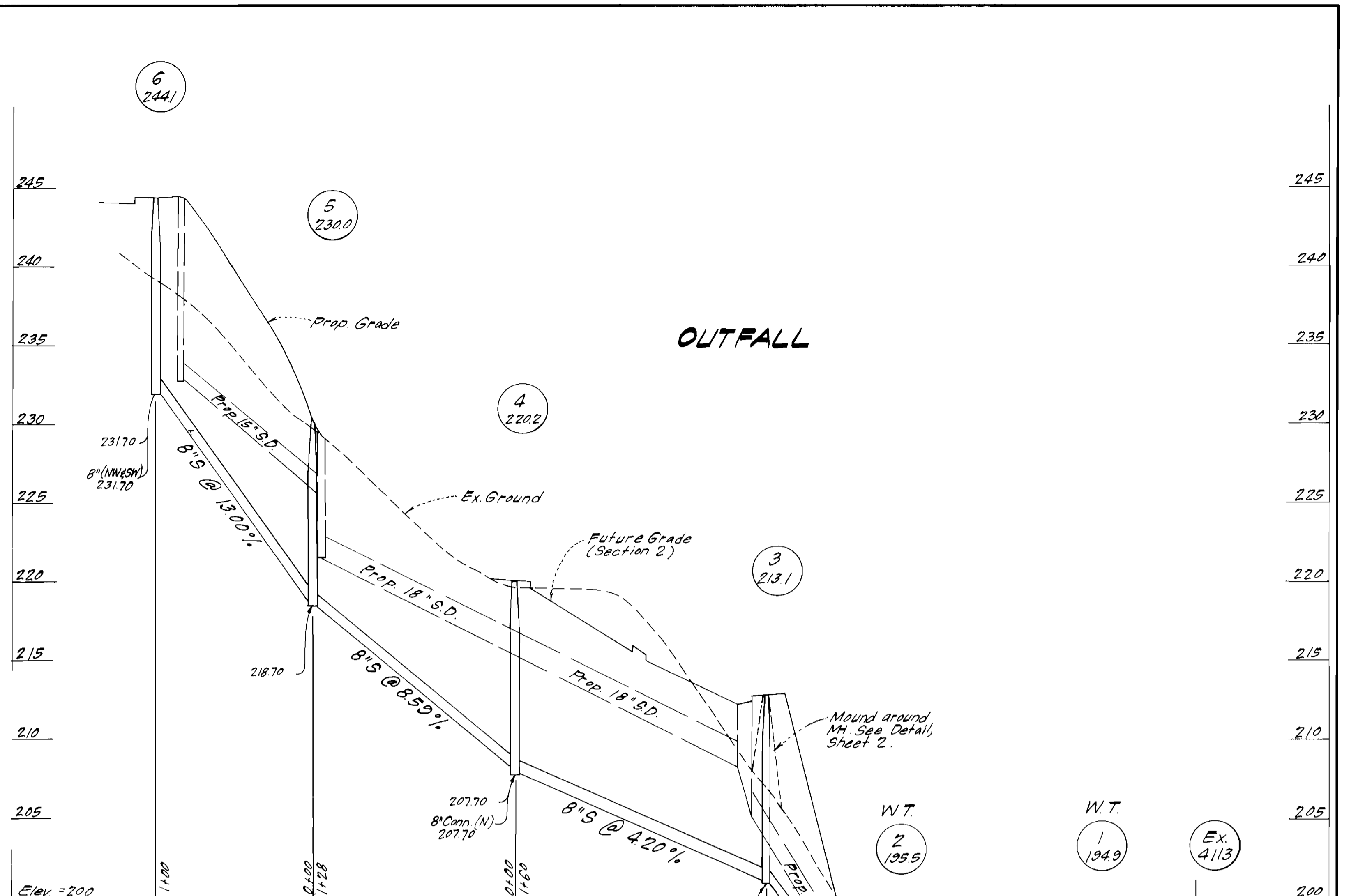
PLAN & DETAILS OF
 WATER & SEWER MAINS

ASBURY WOODS SECTION I AREA 1
 6TH ELECTION DISTRICT
 CONTRACT NO. 24-1173-D
 SCALE AS SHOWN
 SHEET 2 of 3



ELEVATIONS (See Note, this sheet.)

LOT(S)	SHC Inv. @ P.C.	Min. Cellar
1/2	254.78	257.9
3/4	254.46	257.5
5	254.22	257.4
6/7	253.76	256.8
8/9	253.44	256.6
10/11	253.19	256.3
12/13	249.72	243.8
14/15	240.14	243.2
16/17	240.36	243.5
18/19	240.66	243.8
20/21	239.05	242.2
22/23	237.93	241.0
24/25	236.75	239.8
26/27	235.63	238.7
28/29	235.02	238.1
30/31	234.26	237.4
32/33	233.62	236.7
34/35	232.92	236.0
36/37	232.24	235.3
38/39	232.70	235.8
40/41	234.80	237.9
42	236.48	239.6
43/44	245.66	248.8
45/46	246.23	249.3
47/48	246.20	250.0
49/50	247.30	250.4
51/52	247.34	250.4
53/54	248.30	251.4
55/56	249.31	252.4
57/58	250.24	253.3
59/60	251.04	254.1
61/62	251.23	254.3
63/64	251.57	254.7
65/66	251.89	255.0
92/93	253.85	257.1
90/91	254.09	257.5
88/89	254.42	257.8
86/87	254.96	258.3
84/85	255.24	258.7
82/83	255.50	258.9



NOTE: Minimum Cellar Elevations were computed using a typical house location on lot. Sewerability should be checked with actual house location at time of site plan preparation.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: Robert M. Bennett, dated 10-23-83
Chief, Bureau of Engineering: [Signature], dated []
Chief, Land Development Div.: [Signature], dated []

CFS CLARK - FINEPROCK & SACKETT
ENGINEERS - PLANNERS - SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
(301) 593-3400

DES: C.K.G. VLB 1 Revised as per comments dated Feb. 3, 1984 2-4-84
VLB 2 Revised SHC Inv. on Table for Lots 82 - 93 8-31-80
DRN: V.L.B.
CHK: C.K.G.
DATE: 10 83
BY: NO. REVISION DATE

PROFILES OF WATER & SEWER MAINS
600' SCALE MAP NO. BLOCK NO.

ASPENWOOD SECTION I AREA I
6TH ELECTION DISTRICT
CONTRACT NO. 24-1173-D
SCALE: Hor. 1" = 50', Vert. 1" = 5'
SHEET 3 OF 3