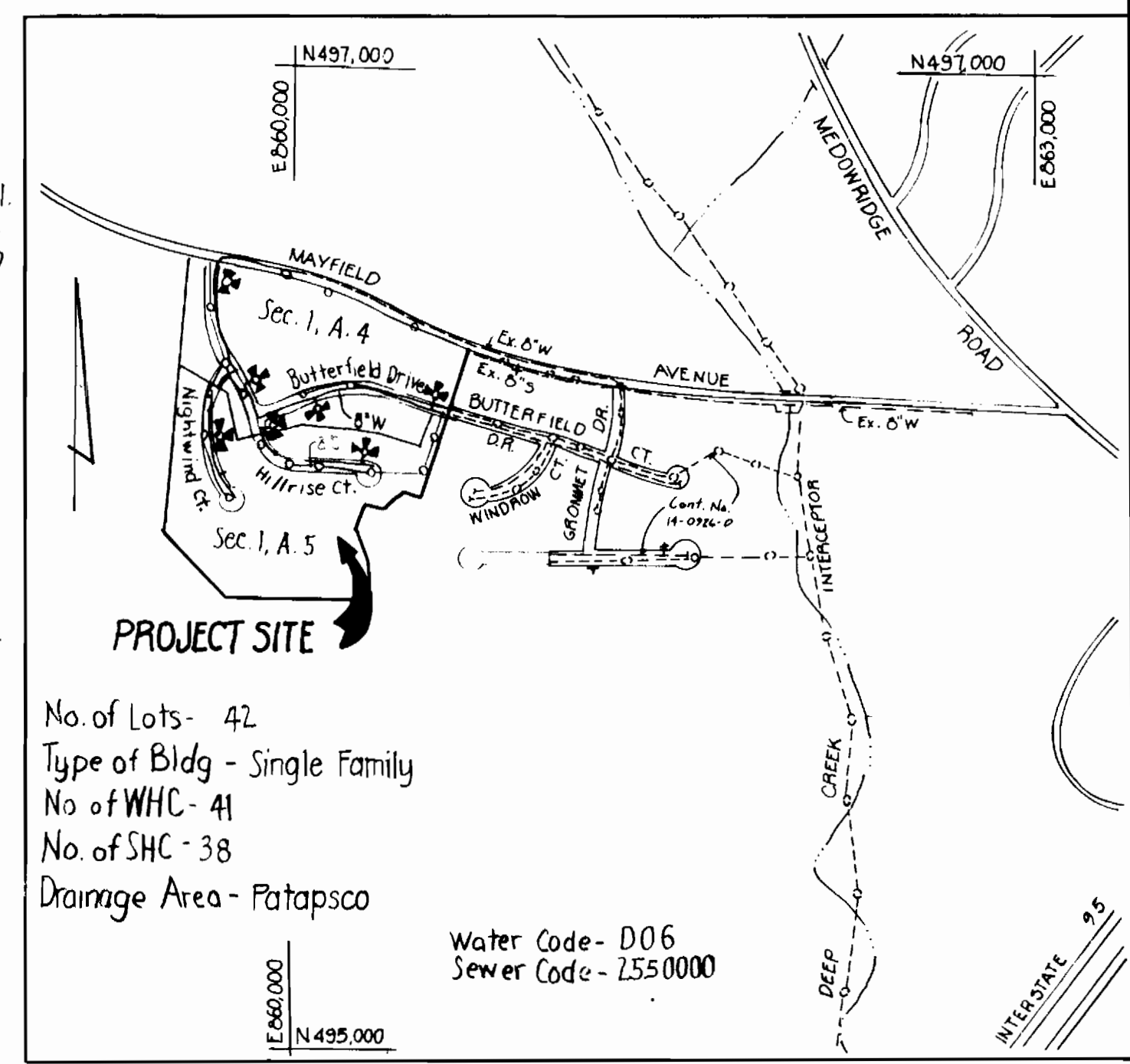


LOT NO	INV. ELEV @ R
1	376.97
2	329.70
3	329.70
4	330.35
5	330.35
6	330.79
7	330.79
8	331.51
9	331.51
10	332.46
11	332.46
12	333.10
13	333.10
14	333.62
15	333.62
16	333.33
17	333.33
18	333.36
19	333.36
20	333.38
21	333.38
22	341.05
23	341.05
24	343.30
25	343.30

QUANTITIES			
ITEMS	ESTIMATED	AS BUILT	MATERIAL SUPPLIERS
8" W (L.F.)	713	685	ATLANTIC STATES CLP
6" W (L.F.)	287	299	ATLANTIC STATES CLP
1" DWHC (L.F.)	484	436	K COPPER
3/4" WHC (L.F.)	326	652	K COPPER
8" S (L.F.)	1373	1337.5	CERTAIN TEE & AP
6" SHC (L.F.)	580	731.5	CERTAIN TEE & AP
MANHOLES (V.F.)	134	141	ATLANTIC PRE-CAST
F.H.	2	2	MUELLER

LOT NO.	INVELEV @ R
26	336.78
27	336.78
28	329.45
29	328.78
30	328.78
31	321.66
32	321.05
33	316.86
34	316.86
35	290.66
36	321.90
37	321.90
38	329.42
39	329.42
40	339.90
41	339.90
42	342.05



No. of Lots - 42  
 Type of Bldg - Single Family  
 No. of WHC - 41  
 No. of SHC - 38  
 Drainage Area - Patapsco  
 Water Code - D06  
 Sewer Code - 2550000

VICINITY MAP  
SCALE: 1" = 600'

**GENERAL NOTES**

- The approximate locations of existing utilities are shown. The Contractor shall take all necessary precautions to protect existing utilities and to maintain uninterrupted service. Any damage incurred due to Contractor's operation shall be repaired immediately at 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.
- All utilities shall be cleared by a min. of 6". All utility poles shall be cleared by a min. of 2'-0" or tunneled if required. Cost for tunneling or bracing poles shall be included in the unit prices bid for excavation and backfill for water mains.
- For all standard details, see standard bound in the specifications.
- The Contractor shall locate existing utilities in advance of construction operations in the vicinity of proposed utilities.
- The Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these drawings:
  - Bal. Gas & Elec. - Underground Electric Distribution Engineering - 134-5891
  - Underground Gas Distribution Engineering - 234-5333
  - Miss Utility - 559-0100
  - Chesapeake & Potomac Telephone Co. - 725-9916
  - Bureau of Utilities - 992-2366
- Trees shall be protected from damage to a max. extent. Trees located within construction Strips shall not be removed or damaged by the Contractor.
- The Contractor shall remove tree stumps and roots along the line of excavation as directed by the Engineer. Cost for such removal shall be included in the unit prices bid for excavation and backfill for water mains and sewer mains.
- The Contractor shall place regulation "Men Working" and warning signs as required to comply with MSHA Manual of Traffic Control for Highway Construction and Maintenance Operations.
- All water mains shall be C.I.P. or D.I.P., unless otherwise noted.
- The top of all water mains shall have a min. of 3'-6" cover unless otherwise noted.
- All valves shall be strapped to the tees in accordance with standard details.
- All water main fittings shall be buttressed or anchored with concrete in accordance with standard details.
- All fire hydrants shall be strapped to the tees and shall be buttressed with concrete in accordance with standard details. The cost of strapping fire hydrants and valve shall be included in the unit price bid for furnishing and installing fire hydrants and soil shall be compacted in accordance with Sec. 3101-315 of the standard specifications. Fire hydrant bury line elevation shall be set to the elevation shown on the drawing.
- All water house connections shall be for inside meter settings.
- All sewer mains shall be C.S.P.X., V.C.P.X., A.C.P. Class 2400 or P.V.C. unless otherwise noted.
- The Contractor shall provide a joint in all sewer mains within 2'-0" of the exterior manhole walls.
- All manholes shall be 4'-0" inside diameter unless otherwise noted.
- All dual water house connections shall be 9/8" meter in accordance with standard detail W-323.
- All copper Water House Connections, utilize flared type fittings only.

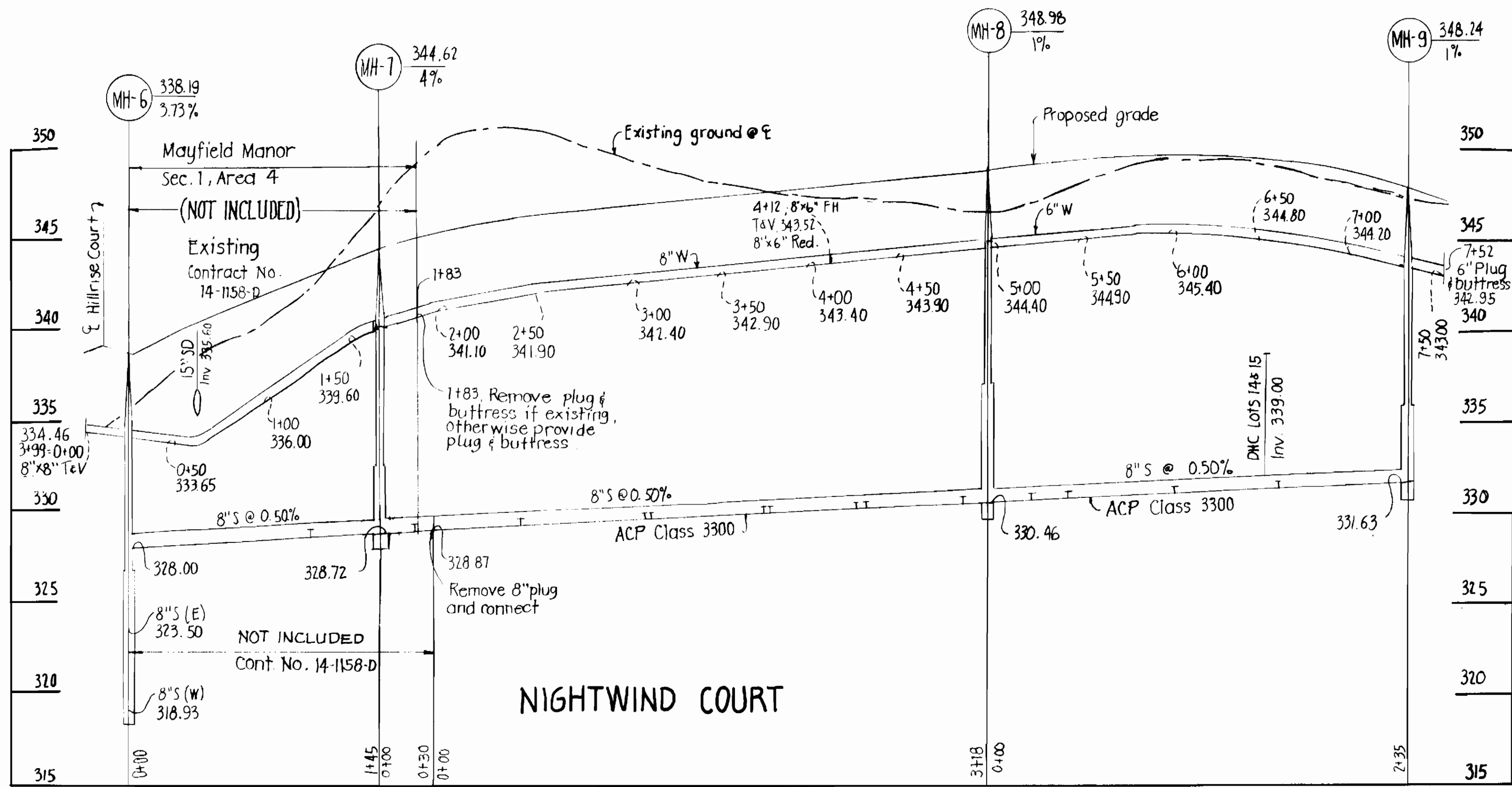
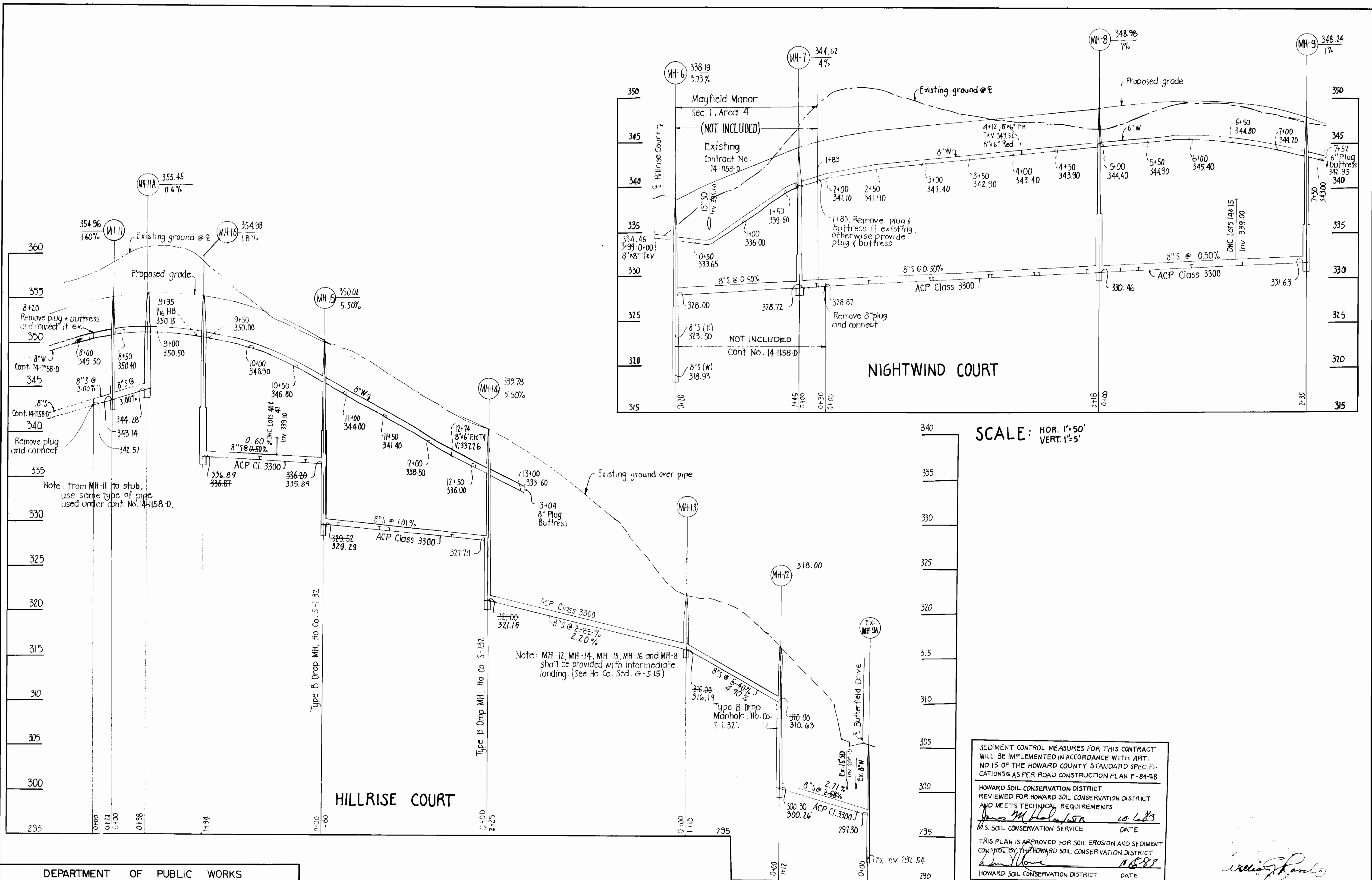
SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ART. NO. 15 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER ROAD CONSTRUCTION PLAN F-84-48  
 HOWARD SOIL CONSERVATION DISTRICT:  
 REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS:  
 James M. [Signature] 10-6-83  
 U.S. SOIL CONSERVATION SERVICE DATE  
 THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 [Signature] 10-6-83  
 HOWARD SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 James M. [Signature] 10-6-83  
 DIRECTOR OF PUBLIC WORKS DATE  
 Robert M. [Signature] 10-5-83  
 CHIEF BUREAU OF UTILITIES DATE  
 [Signature] 10-6-83  
 CHIEF BUREAU OF ENGINEERING DATE  
 [Signature] 10-6-83  
 CHIEF LAND DEVELOPMENT DIVISION DATE

PURDUM & JESCHKE  
 ENGINEERS  
 1023 N. CALVERT ST.  
 BALTIMORE, MARYLAND  
 CONTRACT NO. 14-1159-D  
 DATE 2-14-84  
 DESCRIPTION Profile MH9A to MH 14 (Inv. @ R)  
 ART BY

PLAN  
 WATER AND SEWER MAINS  
 MAYFIELD MANOR, SEC. 1, AREA 5, LOTS 1-42  
 1ST ELECTION DISTRICT  
 HOWARD CO., MARYLAND  
 DRAWING NO. 1 OF 2  
 SCALE 1" = 50'  
 DWN. ESB  
 DES. ART  
 CHD-ART





SCALE: HOR. 1"=50'  
VERT. 1"=5'

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ART. NO. 15 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AS PER ROAD CONSTRUCTION PLAN F-84-98

HOWARD SOIL CONSERVATION DISTRICT REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*James M. Halpin* 10/18/83  
S.O.S. SOIL CONSERVATION SERVICE DATE

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

*James M. Halpin* 11/16/83  
HOWARD SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*James M. Halpin* 10/18/83  
DIRECTOR OF PUBLIC WORKS DATE

*Robert M. Reardon* 10/18/83  
CHIEF, BUREAU OF UTILITIES DATE

*W. M. ...* 10/18/83  
CHIEF - BUREAU OF ENGINEERING DATE

*...* 10/18/83  
CHIEF - LAND DEVELOPMENT DIVISION DATE

PURDUM & JESCHKE  
ENGINEERS  
1029 N. CALVERT ST.  
BALTIMORE, MARYLAND

CONTRACT NO. 14-1159-D

PROFILE  
WATER AND SEWER MAINS

MAYFIELD MANOR, SEC 1, AREA 5 LOTS 1-42  
1st ELECTION DISTRICT  
HOWARD CO., MARYLAND

DRAWING NO. 2	SCALE AS SHOWN	DRW. FSB
OF 2		DES. ART
		CHD. ART