

3370 WS/1 LYNDWOOD MANOR (sect. 2, lots 179-251)

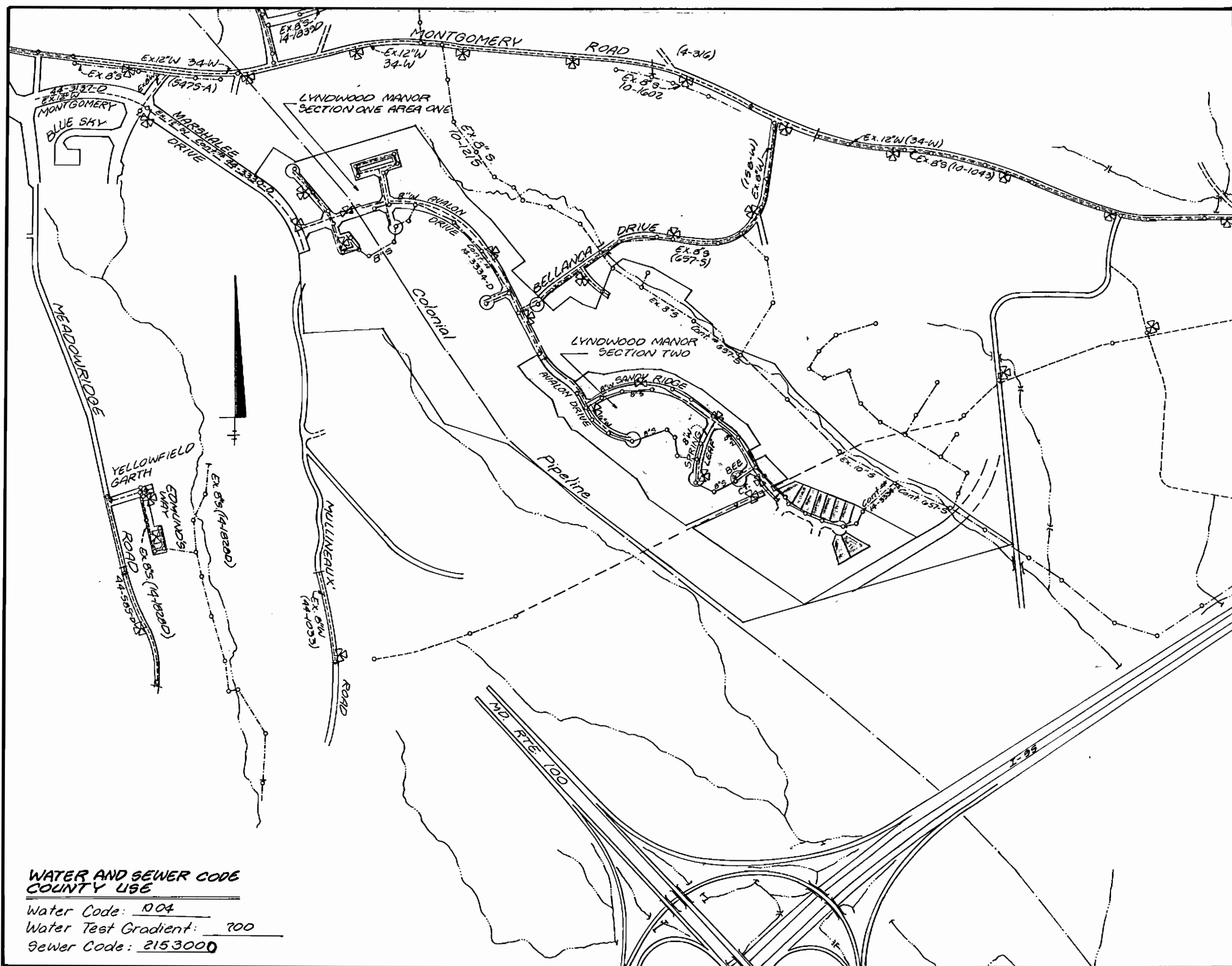
**BENCH MARKS:**

Ho. Co. Mon. # 2644005 El. 410.781  
 Ho. Co. Mon. # 2644004 El. 402.135  
 Ho. Co. Mon. # 2644004 El. 402.135

**DESCRIPTION**

Ho. Co. Mon. # 2644005 El. 410.781  
 Concrete Monument 2' Below Surface  
 South Side Montgomery Road East  
 Of Meadow Ridge Road  
 Ho. Co. Mon. # 2644004 El. 402.135  
 Concrete Monument 1' Below Surface  
 SW Corner Of Intersection Rte. 103 and  
 Old Montgomery Road.

SEWER HOUSE CONNECTION							
LOT	INV @ MAIN	INV @ R	M.C.E.	LOT	INV @ MAIN	INV @ R	M.C.E.
179	318.77	319.51	323.50	258	308.01	308.21	311.50
180	317.06	317.70	322.00	260	328.12	328.72	333.00
181	319.23	319.98	324.00	261	330.36	330.96	335.00
182	324.07	324.77	329.00	262	332.20	332.80	337.50
183	323.37	324.01	328.00	271	313.42	314.06	318.00
184	331.66	332.48	336.50	272	312.78	313.20	317.50
185	335.49	336.27	340.60	273	311.96	312.56	316.50
186	338.14	338.78	343.00	274	311.41	312.11	316.00
187	337.45	337.85	342.00	275	311.00	311.94	316.00
188	336.42	336.86	341.00	281	310.54	310.74	315.50
189	335.04	335.40	339.20	282	310.49	310.69	315.50
190	332.00	332.36	336.50	283	311.05	312.05	316.50
191	329.45	329.81	334.00	284	311.33	312.13	317.00
192	327.24	327.60	331.50	285	311.54	312.02	316.00
193	323.36	323.72	328.00	286	311.91	312.39	316.50
194	320.01	320.37	324.60	287	312.24	312.68	316.50
195	319.89	319.23	320.20	288	312.71	313.19	317.50
196	312.75	313.15	317.50	289	313.31	313.61	317.50
241	304.17	304.53	308.50	297	301.54	301.64	305.50
242	302.28	302.48	306.50	298	303.68	303.78	307.50
243	300.05	300.25	304.00	299	313.36	313.78	318.00
244	304.40	304.85	308.50	299	307.41	307.97	312.00
245	304.78	305.70	309.50	299	320.25	320.67	324.50
246	305.32	305.72	309.00	303	306.41	306.83	310.50
247	305.37	305.67	309.00	304	306.74	307.26	311.50
248	304.83	305.87	310.00	305	307.87	308.57	312.50
249	308.88	309.48	313.50	306	305.77	306.01	310.00
250	311.87	312.43	316.50	307	302.13	302.33	306.50
251	316.40	317.00	321.00	308	302.97	303.77	308.00
252	320.68	321.32	325.50	309	303.47	303.71	308.00
253	320.35	321.01	325.00	270	319.33	319.73	323.50
254	319.68	320.30	324.50	276	293.06	293.26	297.50
255	306.38	306.58	310.00	277	287.67	288.01	292.00
256	306.33	306.73	310.00	278	283.79	284.13	288.00
257	306.03	306.93	312.00	279	280.22	280.56	284.50
258	306.04	307.24	314.00	280	275.03	275.37	279.50
259	306.95	307.75	316.50	281	271.91	272.67	276.50
260	306.91	307.97	318.00	282	269.44	270.16	274.00
261	307.24	307.76	312.50	283	267.41	267.81	272.00
262	308.06	308.26	311.50	284	267.84	270.14	275.00
				285	269.85	272.73	278.50



**WATER AND SEWER CODE COUNTY USE**

Water Code: 002  
 Water Test Gradient: 700  
 Sewer Code: 215300D

Type of Buildings:	SFD
Number of Lots/Parcels:	11 SFD, 2 OPEN SPACE
Number of W.H.C.'s:	11
Number of S.H.C.'s:	81
Drainage Area:	Patapsco
Treatment Plant:	Patapsco WWTP

VICINITY MAP  
SCALE: 1" = 600'

INDEX OF SHEETS	
SHEET NO.	TITLE
1	TITLE SHEET
2	PLAN VIEW-AVALON DRIVE & SANDY RIDGE
3	PLAN VIEW- SANDY RIDGE, BEE CT & SPRING LEAF CT.
4	PROFILES- SANDY RIDGE
5	PROFILES

- PART I:**
- 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 Engineer at the Contractor's expense.
  - All horizontal controls are based on Maryland State Coordinates.
  - All vertical controls are based on U.S.G.S. data.
  - 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. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the Contractor's work requires the bracing of additional poles, any cost incurred by the owner for bracing of additional poles or damages, shall be deducted from money owed the Contractor. The Contractor shall coordinate with the utility companies to schedule the bracing of the poles.
  - For details not shown on the drawings and for materials and construction methods, use Howard County Design Manual, Volume IV, Standard Specifications and Details for Construction (Latest Edition). The Contractor shall have a copy of Volume IV on the job.
  - Where test pits have been made on existing utilities, they are noted by the symbol O at the location of the test pit. A note or notes containing the results of the test pit or pits is included on the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be located by the Contractor two weeks in advance of construction operations at his own expense.
  - Contractor shall notify the following utility companies or agencies at least five working days before starting work shown on these plans:
 

a) State Highway Administration: 531-5533	d) Miss Utility: 1-800-287-7777
b) Baltimore Gas & Electric Co.: 383-1300	e) Colonial Pipeline Company: 795-1300
c) Baltimore Gas & Electric Co.: 787-2068	f) Howard County Dept. of Public Works Bureau of Utilities: 313-4900
- PART II: WATER**
- All water mains to be DIP, Class 92 unless otherwise noted.
  - Tops of all water mains to have a minimum of 3/16" cover unless otherwise noted.
  - Valves adjacent to the trees shall be strapped to the trees.
  - All fittings shall be buttressed or anchored with concrete in accordance with the Standard Details unless otherwise provided for on the drawings.
  - Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with the Standard Details. Soil around the fire hydrant shall be compacted in accordance with Section 100000 of the Standard Specifications.
  - The Contractor shall not operate any water main valves on the existing water system.
  - All water house connections shall be for meter setting unless otherwise noted on plans or in specifications.
- PART III: SEWER**
- All sewer mains to be DIP, RCP, VCPX, C.B.PX, RCP, or PVC unless otherwise noted.
  - All manholes shall be 4'-0" inside diameter unless otherwise noted.
  - Force mains shall be DIP only.
  - Manholes designated W.T. in plan and profiles shall have water-tight frame and covers. Standard Detail 6132. Where water-tight manhole frame and cover is used, set top of frame 1'-0" above finished grade unless otherwise noted on the drawings.
  - Houses with the symbol "C.N.S." indicates that cellar cannot be served.
  - Manholes shown with 12" and 18" walls are for brick manholes only.

**Note:**  
 Water & Sewer House Connections are provided under this Contract No. 14-3370-D for Lots which are under the following Final Plans:  
 A) F-94-94 Lots 179 thru 196, 200, 201, 204 thru 209, 241 thru 249 and 281 (34 Lots); 33 Buildable 1 Open Space  
 B) F-94-182 Lots 237 thru 275 (39 Lots); 38 Buildable 1 Open Space  
 C) F-94-184 Lots 374 thru 388 (15 Lots); 10 Buildable

WATER & SEWER CONSTRUCTION PLANS  
**LYNDWOOD MANOR**  
 SECTION TWO  
 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 CONTRACT No. 14-3370-D

**QUANTITIES**

ITEM	QUANTITIES ESTIMATED	QUANTITIES AS BUILT	TYPE	MANUFACTURER / SUPPLIER
6" water	678 L.F.	631 L.F.	DIP	Atlantic States
8" water	2543 L.F.	2548 L.F.	DIP	Atlantic States
6" Valves	7 Ea.	7 Ea.	Cast Iron / Gate Valve	Mueller Co.
8" Valves	4 Ea.	4 Ea.	Cast Iron / Gate Valve	Mueller Co.
8" x 6" Tee	2 Ea.	2 Ea.	DIP	Griffin Pipe
8" x 6" Reducer	2 Ea.	2 Ea.	DIP	Griffin Pipe
6" x 4" Tee	1 Ea.	1 Ea.	DIP	Griffin Pipe
Fire Hydrants, 8" dia	5 Ea.	5 Ea.	DIP	Mueller Co.
8" Sewer	2080 L.F.	2342 L.F.	PVC	J-M Manufacturing
Air Release MH	1 Ea.	1 Ea.	Precast Conc.	Atlantic Concrete Products, Inc.
Manholes	20 Ea.	23 Ea.	Precast Conc.	Atlantic Concrete Products, Inc.
4" SHC	1830 L.F.	1733 L.F.	PVC	J-M Manufacturing
3/4" W.H.C.	1830 L.F.	2120 L.F.	"K" Copper	Cambridge Lee
1" W.H.C.	34 L.F.	89 L.F.	"K" Copper	Cambridge Lee
8" Sewer DIP	1448 L.F.	1417 L.F.	DIP	Atlantic States
3" Blowoff	1 Ea.	1 Ea.	Cast Iron / Plastic	Kupperle Foundry
6" x 4" Reducer	1 Ea.	1 Ea.	DIP	

Check Box: Survey/Drafting/As Built Date: 11-17-97

**QUANTITIES (CONT'D)**

ITEM	QUANTITIES ESTIMATED	QUANTITIES AS BUILT	TYPE	MANUFACTURER / SUPPLIER
4" Valve	1 Ea.	1 Ea.	Cast Iron / Gate Valve	Mueller Co.
4" x 3" Reducer	1 Ea.	1 Ea.	DIP	Griffin Pipes
4" Water	19 L.F.	16 L.F.	DIP	Atlantic States
1 1/2" Drain	1 Ea.	1 Ea.	"K" Copper	Cambridge Lee
1 1/2" Water	8 L.F.	10 L.F.	"K" Copper	Cambridge Lee

Check Box: Survey/Drafting/As Built Date: 11-17-97

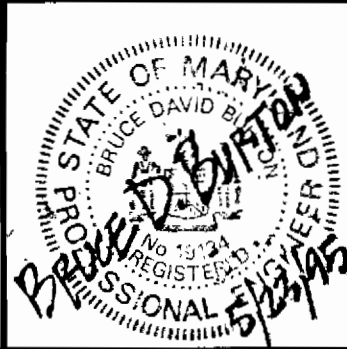
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
 Signature: Patricia Engle  
 U.S. SOIL CONSERVATION SERVICE  
 DATE: 6/26/95

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 Signature: John P. Reinton  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT  
 DATE: 6/26/95

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATION AND FINAL ROAD CONSTRUCTION PLANS: F-94-182 / F-94-94

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MD.  
 Signature: [Name]  
 DIRECTOR OF PUBLIC WORKS  
 DATE: 6/21/95

LAND DESIGN ENGINEERING, INC.  
 8805-N COLUMBIA 100 PARKWAY  
 COLUMBIA, MARYLAND 21045  
 (410) 710-1070 (301) 976-3424  
 Signature: [Name]  
 CHIEF ENGINEER  
 DATE: 6/21/95

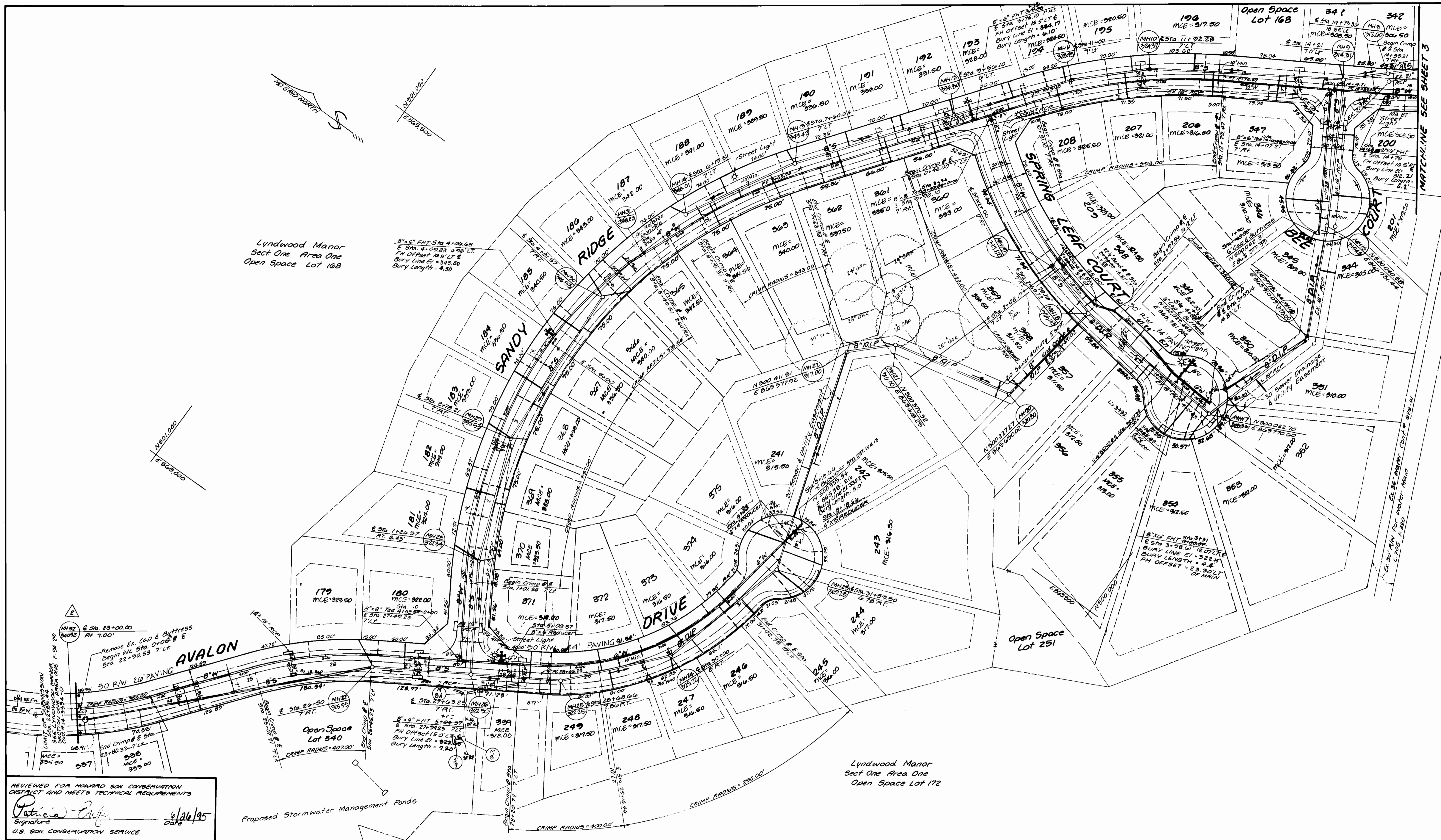


Designed TD/ES	
Drawn WT/SD	
Checked RM	
Date 4/95	
By No.	
REVISION	
Date	
L.O.B. 1	Revised 8" x 4" SHC Quantities, Lot #s, SHC Table 2/97

**TITLE SHEET**  
 600 SCALE MAP No. 27 BLOCK No. 10

**LYNDWOOD MANOR SECTION TWO**  
 Lots 179 thru 196; 200, 201, 204 thru 209; 241 thru 249; 281 thru 275  
 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 CONTRACT No. 14-3370-D  
 SHEET 1 of 5

3370 WS/2 LYNDWOOD MANOR



REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*Patricia C. Cifer*  
Signature  
U.S. SOIL CONSERVATION SERVICE

6/26/95  
DATE

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

*John R. Reutter*  
Signature  
HOWARD SOIL CONSERVATION DISTRICT

6/26/95  
DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATION AND FINAL ROAD CONSTRUCTION PLANS: F-96-182 / F-94-94

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MD.

*James P. Lee*  
DIRECTOR OF PUBLIC WORKS  
DATE 6/27/95

*Michael A. ...*  
CHIEF BUREAU OF UTILITIES  
DATE 6/27/95

LAND DESIGN ENGINEERING, INC.

8835 Columbia 100 Parkway  
Suite N  
Columbia, Maryland 21045  
Phone: (410) 715-1070 (301) 596-3424

*Grace D. ...*  
DATE 6/27/95

Designed TD/ES	BY	DATE	Address	DATE
	1	10-12-95		
	2	2/97	Extended B' to W' 56', Add New House Connections Revise Lot Numbers, Show Resulting Utility Lines	
Drawn GL/WJ				
Checked RM				
Date 4/95				

PLAN VIEW

600 SCALE MAP NO. 37 BLOCK NO. 10

LYNDWOOD MANOR  
SECTION TWO

LOT 179 THRU LOT 196, 200,  
201, 206-209, 241, 249, 307-375

1<sup>ST</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND

CONTRACT NO. 14-3370-D

SCALE 1"=50'

SHEET 2 OF 5

SEWER AS-BUILT

Table with columns FROM, TO, DIST. listing sewer line connections between manholes (MH) and fire hydrants (F.H.) for lots 134 through 244.

Table with columns FROM, TO, DIST. listing sewer line connections between manholes (MH) and fire hydrants (F.H.) for lots 180 through 244.

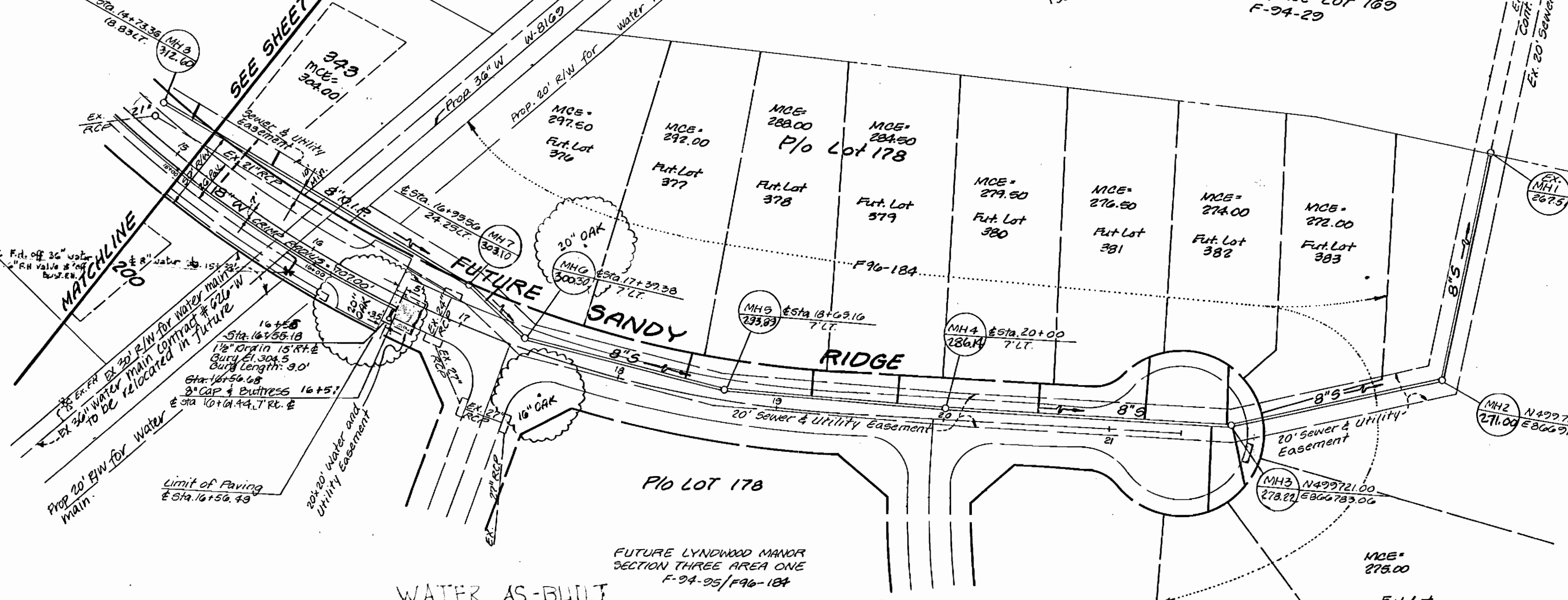


Table with columns FROM, TO, DIST. listing water line connections between manholes (MH) and fire hydrants (F.H.) for lots 245 through 370.

Table with columns FROM, TO, DIST. listing water line connections between manholes (MH) and fire hydrants (F.H.) for lots 371 through 410.

Table with columns FROM, TO, DIST. listing water line connections between manholes (MH) and fire hydrants (F.H.) for lots 411 through 510.

Table with columns FROM, TO, DIST. listing water line connections between manholes (MH) and fire hydrants (F.H.) for lots 511 through 610.

Continued (water as-built)

Continued (water as-built)

Continued (water as-built)

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS. Signature: Patricia Engen, 6/20/95.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. Signature: John R. Reister, 6/20/95.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATION AND FINAL ROAD CONSTRUCTION PLANS. F-24-24/F-96-182

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MD. Director: James P. Chew, dated 6/21/95.

LAND DESIGN ENGINEERING, INC. 8835 Columbia 100 Parkway Suite N Columbia, Maryland 21045 Phone: (410) 715-1070 (301) 596-3424

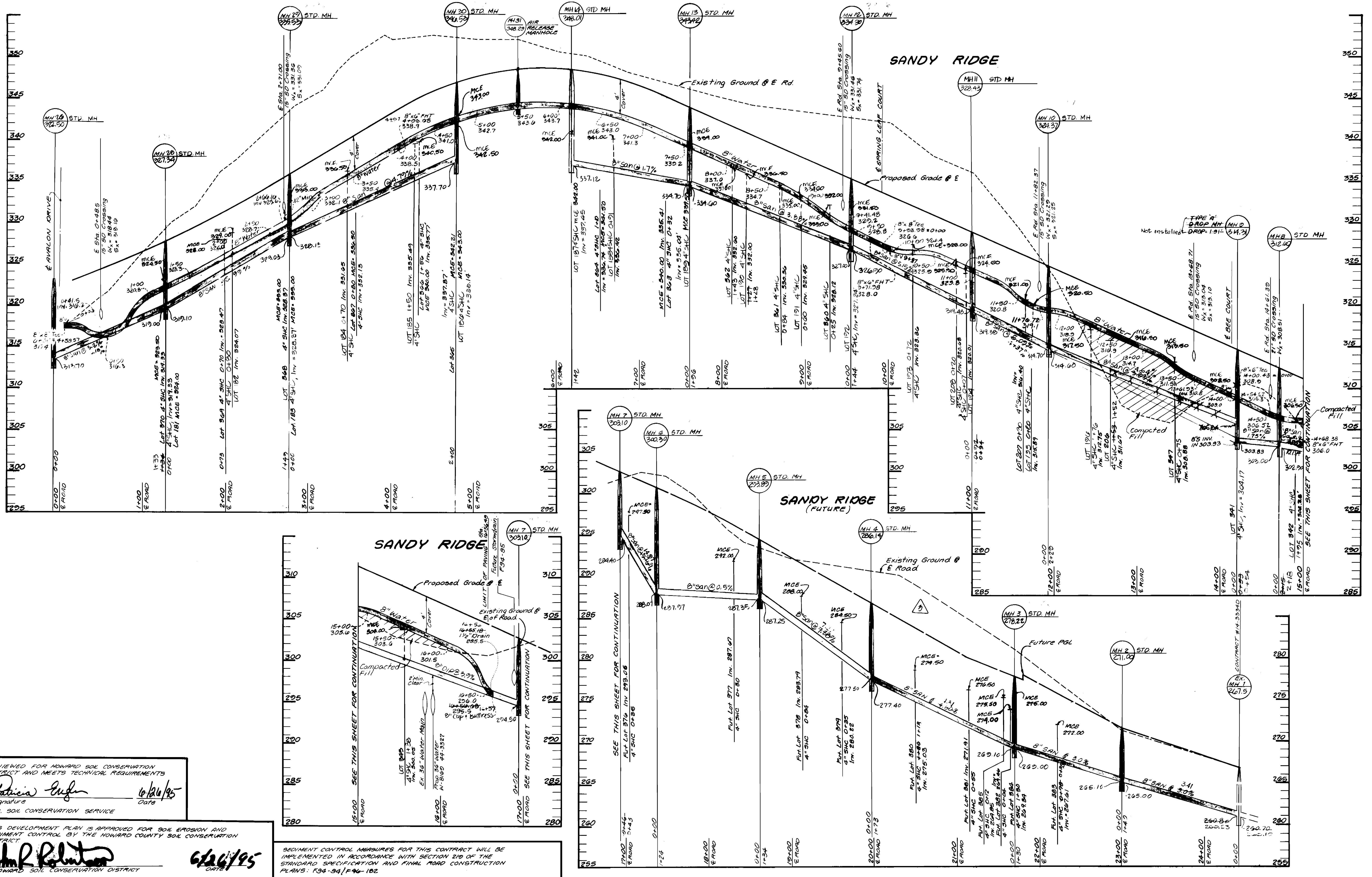
Revision table with columns: No., Description, Date. Includes revisions for 'Add Fut. Lots #31C's' and 'Revise Lot Numbers per Resubdivision'.

PLAN VIEW G00 SCALE MAP NO. 37 BLOCK NO. 10

LYNDWOOD MANOR SECTION TWO LOT 179 THRU LOT 196 200, 201, 202, 209, 241, 249, 337, 375 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO. 14-3370-D

3370 WS/3 LYNDWOOD MANOR

3370 ws/4 Lyndwood Manor



REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
*Patricia Egan* 6/26/95  
 Signature Date  
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
*John R. Roberts* 6/26/95  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATION AND FINAL ROAD CONSTRUCTION PLANS: F34-94/F46-102

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MD.  
*James J. Lewis* 6/27/95  
 DIRECTOR OF PUBLIC WORKS DATE  
*Nicholas A. Williams* 6/27/95  
 CHIEF BUREAU OF UTILITIES DATE

LAND DESIGN ENGINEERING, INC.  
 8835 Columbia 100 Parkway  
 Suite N  
 Columbia, Maryland 21045  
 Phone: (410) 715-1070 (301) 596-3424

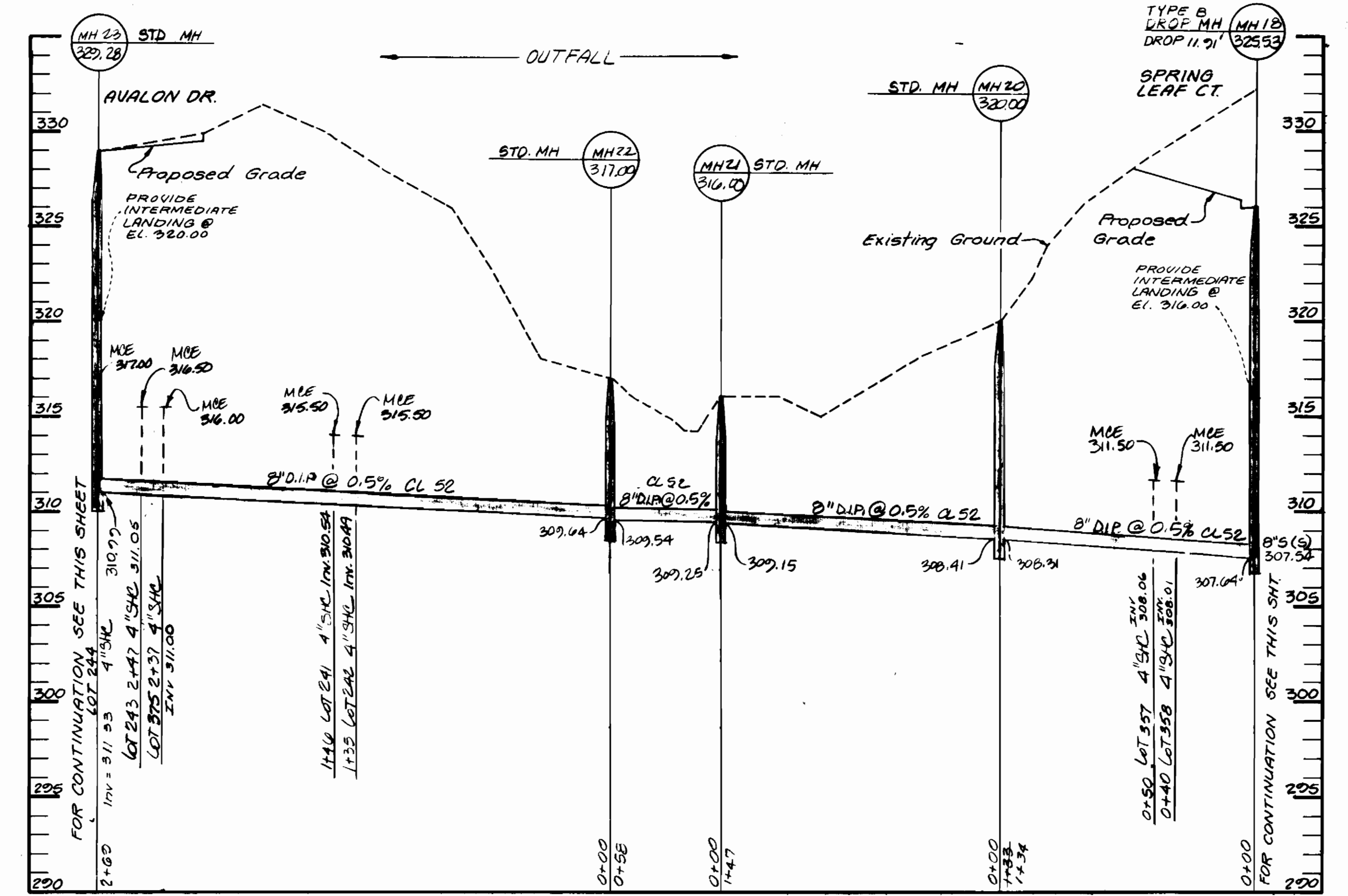
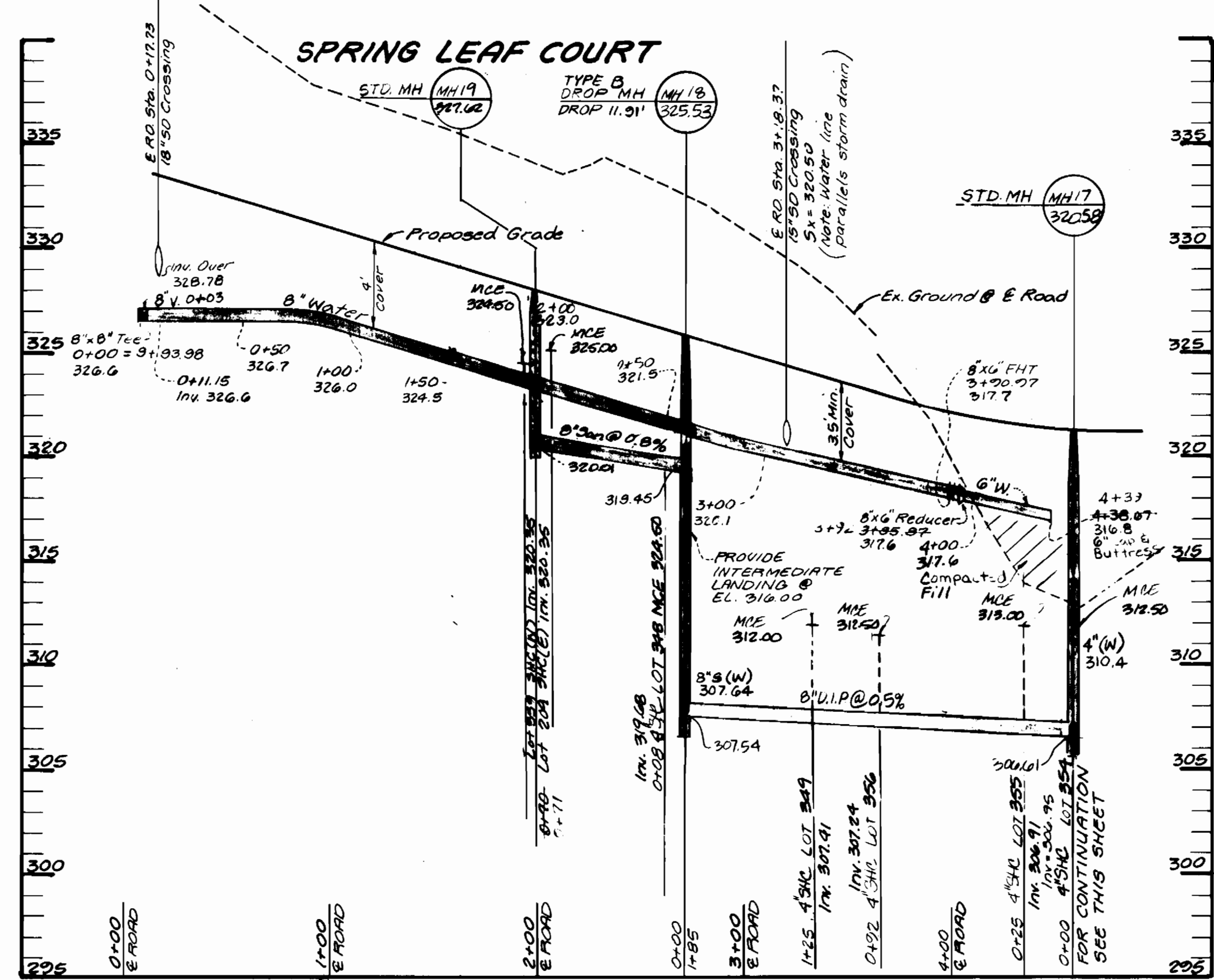
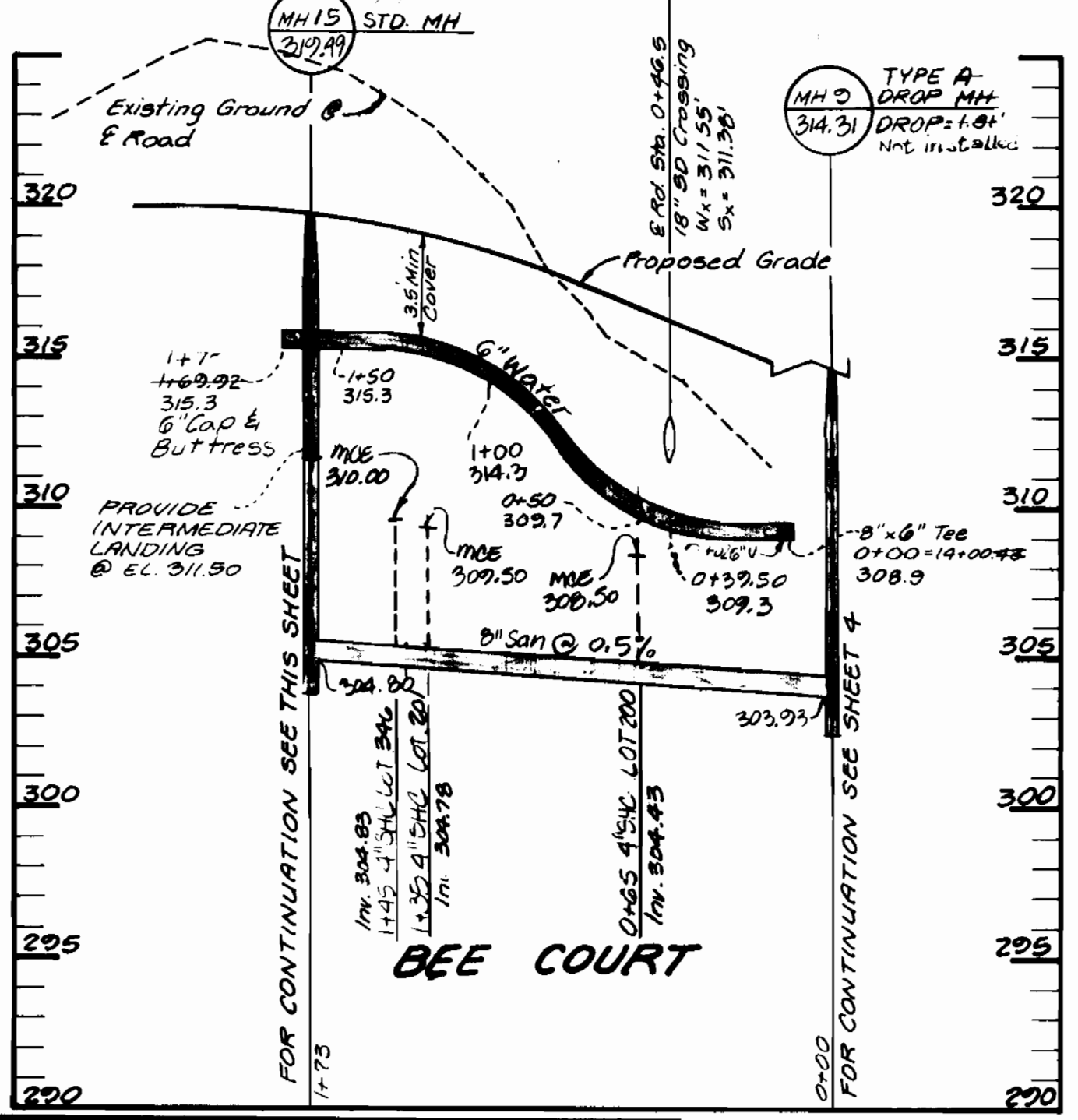
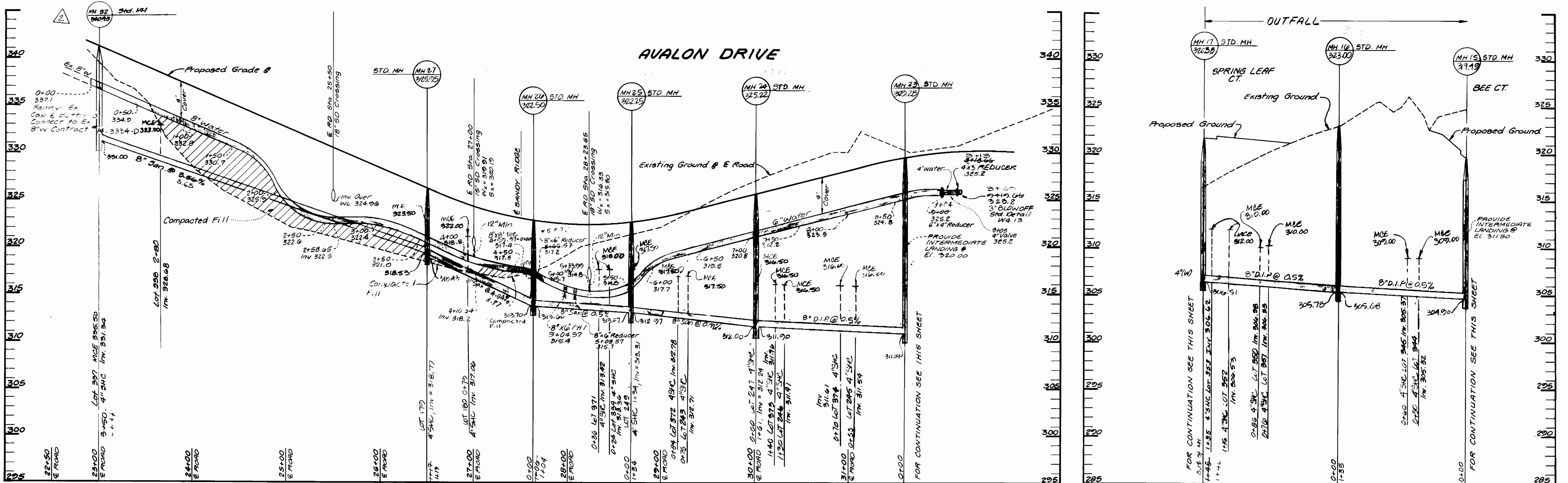
Designed	TD/ES	Address	MDE Comments	Date
Drawn	GL/WJ	2	Revise Lot Numbers, SHC's	3/22/96
Checked	RM	3	Add SHC's	2/17
Date	4/95	By	No.	REVISION

**SANDY RIDGE PROFILE**  
 600 SCALE MAP NO. 37 BLOCK NO. 2

**LYNDWOOD MANOR SECTION TWO**  
 LOT 179 THRU LOT 196  
 200, 201, 206-209, 241-249, 337-375  
 1<sup>ST</sup> ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 CONTRACT NO. 14-3370-D

SCALE  
 1" = 50' HORIZ.  
 1" = 5' VERT.  
 SHEET  
 4 OF 5

3370 W/S 5 LYNDWOOD MANOR



REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
*Patricia Engle* 6/24/95  
 Signature Date  
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
*J.R. Robinson* 6/26/95  
 Signature Date  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATION AND FINAL ROAD CONSTRUCTION PLANS: F64-94/140-182

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MD.  
*James P. Shaw* 6/27/95  
 DIRECTOR OF PUBLIC WORKS DATE  
*Richard A. Harwood* 6/27/95  
 CHIEF BUREAU OF UTILITIES DATE

LAND DESIGN ENGINEERING, INC.  
 8835 Columbia, 100 Parkway  
 Suite N  
 Columbia, Maryland 21045  
 Phone: (410) 715-1070 (301) 598-3424

Designed	TD/ES	Address	MDE	Comments	Date
1		304			10-12-95
2				Revised Lot Numbers per Resubdivision Extend 8' to MH 32, Revise SMC	2/19/97
Drawn	GL/WJ				
Checked	RM				
Date	4/95				
By	No	REVISION			Date

AVALON DR., SPRING LEAF CT., BEE CT.  
 PROFILES  
 600 SCALE MAP NO. 37 BLOCK NO. 10

LYNDWOOD MANOR  
 SECTION TWO  
 LOT 179 THRU LOT 196,  
 200, 201, 206-207, 241-249, 337, 375  
 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 CONTRACT NO. 14-3370-D  
 SCALE 1"=50' HORIZ. 1"=5' VERT.  
 SHEET 5 OF 5