
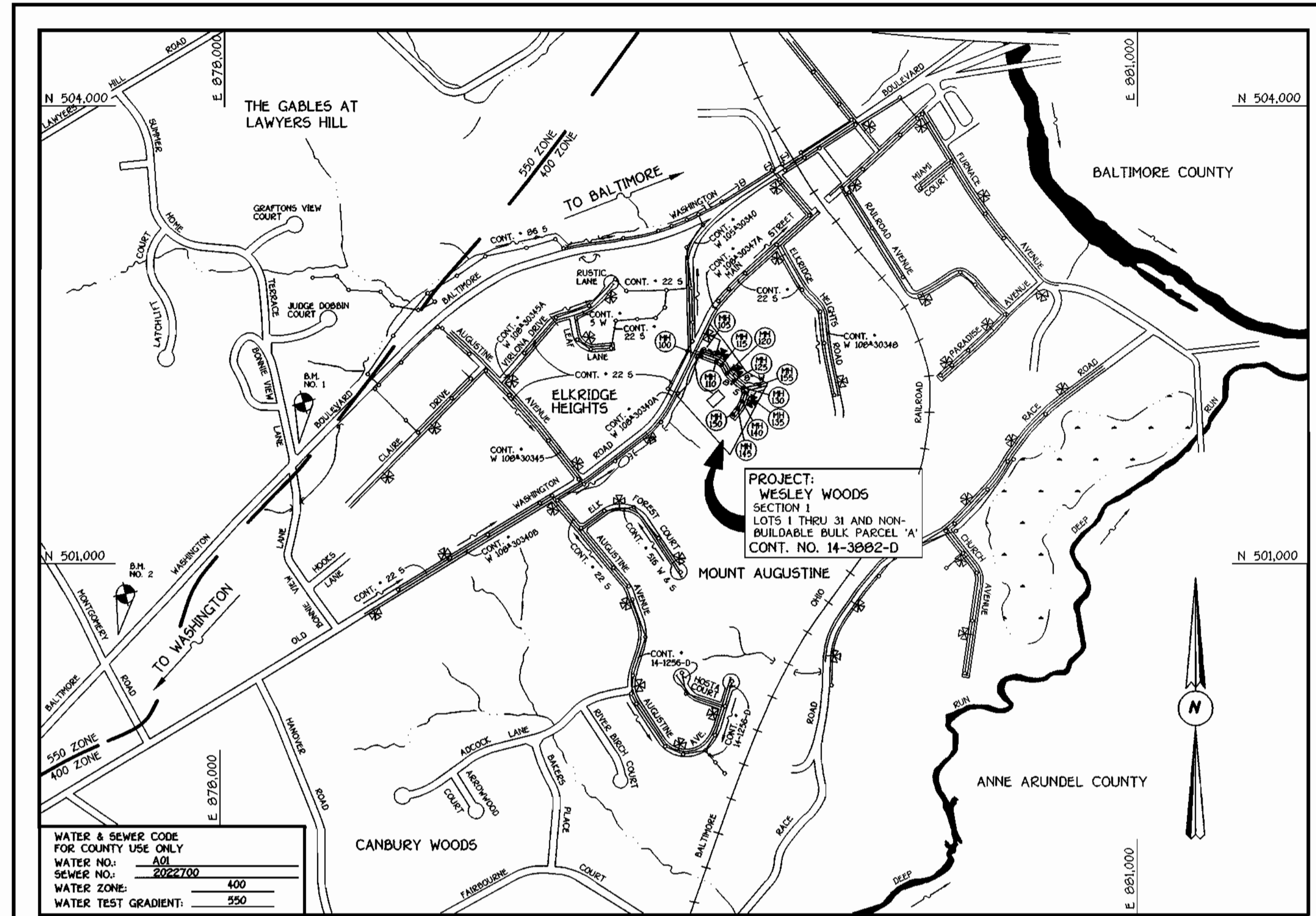


**GENERAL NOTES**

- 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 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. DATUM.
- ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6'. CLEAR ALL POLES BY 2'-0" MINIMUM.
- 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 (1991 AMENDMENTS) THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB SITE.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL  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 VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
  - STATE HIGHWAY ADMINISTRATION - 531-5533
  - BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES - 850-4620
  - BALTIMORE GAS & ELECTRIC CO. - UNDER GROUND DAMAGE CONTROL - 787-9068
  - MISS UTILITY - 1-800-257-7777
  - COLONIAL PIPELINE CO. - 795-1390
  - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 313-4900
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
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- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- T.A. DENOTES TEST BORING.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G 5.52.
- WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- MANHOLES LOCATED WITHIN THE PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAMES AND COVERS, STANDARD DETAIL G5.51.
- WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED AS TO HAVE ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.
- ALL WATER MAINS SHALL BE D.I.P., CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-1/2' COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TREES SHALL BE STRAPPED TO 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 ELEVATION SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS (W11 AND W213). SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATIONS C-153; DUCTILE IRON COMPACT FITTINGS, 3-INCH THROUGH 12-INCH FOR WATER AND OTHER LIQUIDS.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(b) OF THE HOWARD COUNTY CODE.

QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER
8" WATER	1,527.76 L.F.			
6" WATER	62.48 L.F.			
FIRE HYDRANTS	4 EACH			
1-1/2" WATER	194 L.F.			
1" WATER	426 L.F.			
8" x 8" TEE	1 EACH			
8" x 6" TEE	4 EACH			
8" VALVE	3 EACH			
6" VALVE	4 EACH			
8"-1/8 H.B.	1 EACH			
8"-1/16 H.B.	5 EACH			
12" x 8" TAPPING SLEEVE & VALVE	1 EACH			
8" PLUG & BUTTRESS	2 EACH			
8" SEWER	1,378 L.F.			
4" SEWER	660 L.F.			
MANHOLES	11 EACH			
NAME OF UTILITY CONTRACTOR:				
SURVEY & DRAFTING DIVISION AS-BUILT DATE:				



WATER & SEWER CODE FOR COUNTY USE ONLY	
WATER NO.:	A01
SEWER NO.:	2022700
WATER ZONE:	400
WATER TEST GRADIENT:	550

**VICINITY MAP**

SCALE: 1"=600'

PLAN REFERENCE NUMBERS:  
S 98-14, P 99-14, F 00-115

**CONTRACT NO. 14-3882-D**  
**WESLEY WOODS**  
**SECTION 1**  
**LOTS 1 THRU 31 AND NON-BUILDABLE BULK PARCEL 'A'**  
**WATER AND SEWER MAIN EXTENSIONS**  
**HOWARD COUNTY, MARYLAND**

BENCHMARK INFORMATION	
B.M.#1 - HOWARD COUNTY CONTROL STATION 388A	N 17466.5900 (METERS)
	E 423967.8604 (METERS)
B.M.#2 - HOWARD COUNTY CONTROL STATION 388A9	N 171010.3214 (METERS)
	E 423561.3200 (METERS)

**DEVELOPER'S CERTIFICATION**

"I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Michael D. Timble FOR: PATRICK HOMES, INC. 08/10/00  
SIGNATURE OF DEVELOPER DATE

**ENGINEER'S CERTIFICATION**

"I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Paul W. Pridemore 08/10/00  
SIGNATURE OF ENGINEER DATE

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

Chief Simmons 8/10/00  
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

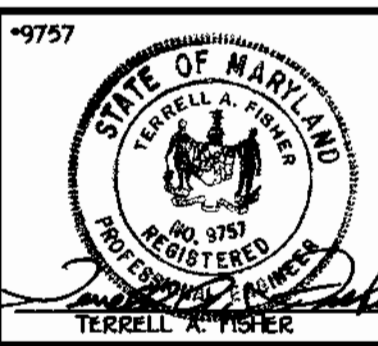
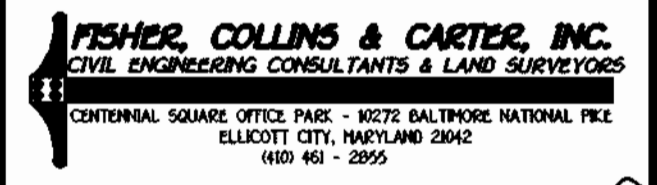
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: John R. Rector 8/10/00  
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL, & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND AS SHOWN ON THESE PLANS AND ON F00-115

SIGNATURE OF DEVELOPER DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND



DESIGNED BY:	M.D.T.
DRAWN BY:	M.D.T.
CHECKED BY:	M.D.T.
DATE:	AUGUST, 2000
BY NO.	
REVISION	

TITLE SHEET	
600' SCALE MAP NO. 38	BLOCK NO. 4
F.C.C. WORK ORDER NO. 6113	
FILE NAME: E:\6113\WATSEW\6113 TITLE SH1	

**WESLEY WOODS**  
SECTION 1  
LOTS 1 THRU 31 AND NON-BUILDABLE BULK PARCEL 'A'  
CONTRACT NO. 14-3882-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 1 of 4

CONTRACT NO. 14-3882-D  
**WESLEY WOODS**  
SECTION 1  
LOTS 1 THRU 31 AND NON-BUILDABLE BULK PARCEL 'A'  
WATER AND SEWER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

Blair B... 8-14-00  
CHIEF, BUREAU OF UTILITIES DATE

Chief... 8/21/00  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

MANHOLE TABULATION CHART				
NO.	ROAD STATION	DISTANCE	SLOPE	RM ELEVATION
100		7' LT.		100.00*
101	1+27.04 TOOMEY LANE	7' LT.	+7.56%	105.00
102	2+66.04 TOOMEY LANE	7' LT.	+10.00%	117.86
103	3+36.26 TOOMEY LANE	7.07' LT.	+10.00%	124.89
104	3+84.72 TOOMEY LANE	5.63' LT.	+10.00%	129.77
105	5+21.56 TOOMEY LANE	0.94' LT.	+10.00%	143.60
106	7+22.09 TOOMEY LANE	6.95' LT.	+4.00%	160.71
107	8+48.09 TOOMEY LANE	6.95' LT.		166.73
108	9+90.37 TOOMEY LANE	7.01' LT.	-0.18%	168.76
109	11+07.17 TOOMEY LANE	5.49' LT.	-1.92%	167.06
110	13+09.07 TOOMEY LANE	7.02' LT.	+2.72%	167.01
111	0+40.81 FAIRLEE ROAD	3.15' RT.	-1.00%	166.39

\* SET MANHOLE RIM FLUSH W/ EXISTING GROUND

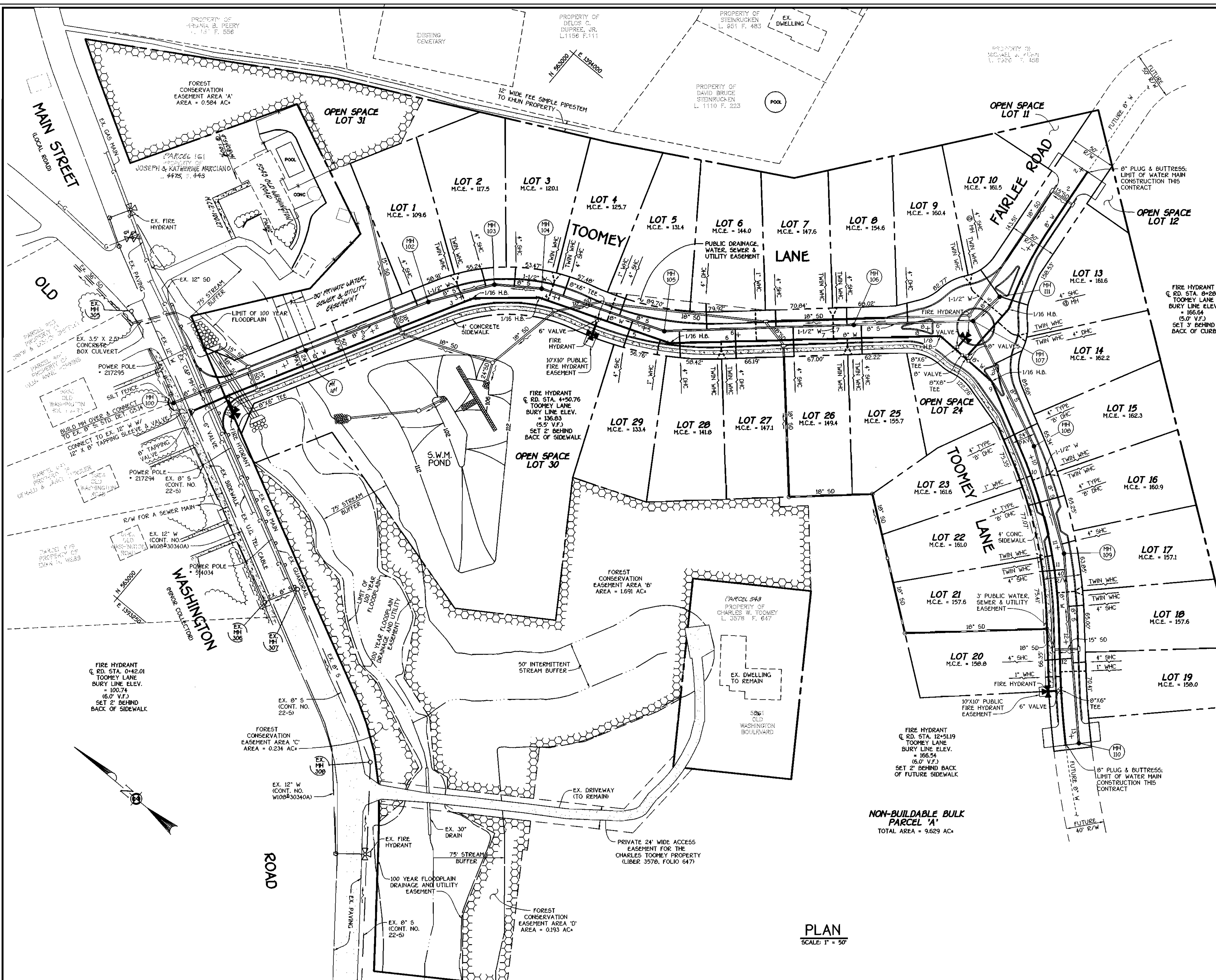
NOTE: SEE WATER MAIN TABULATION CHART SHEET 4 OF 4.

NOTE: SEE SHC INVERT @ PROPERTY LINE CHART SHEET 4 OF 4.

FIRE HYDRANT @ RD. STA. 8+28.57 TOOMEY LANE BURY LINE ELEV. = 166.64 (5.0' V.P.) SET 3' BEHIND BACK OF CURB

PROPERTY OF MICHAEL J. KUHN L. 2896 F. 459

NOTE: THE PROPOSED ROAD, STORM DRAINS, CURB, GUTTER & ASSOCIATED ITEMS WILL BE CONSTRUCTED UNDER F 00-115

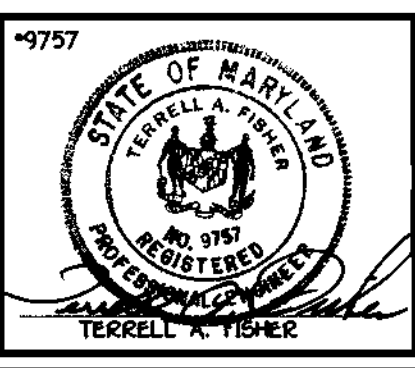


PLAN  
SCALE: 1" = 50'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
8-14-00  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
02/10  
DATE

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
TERRELL K. FISHER

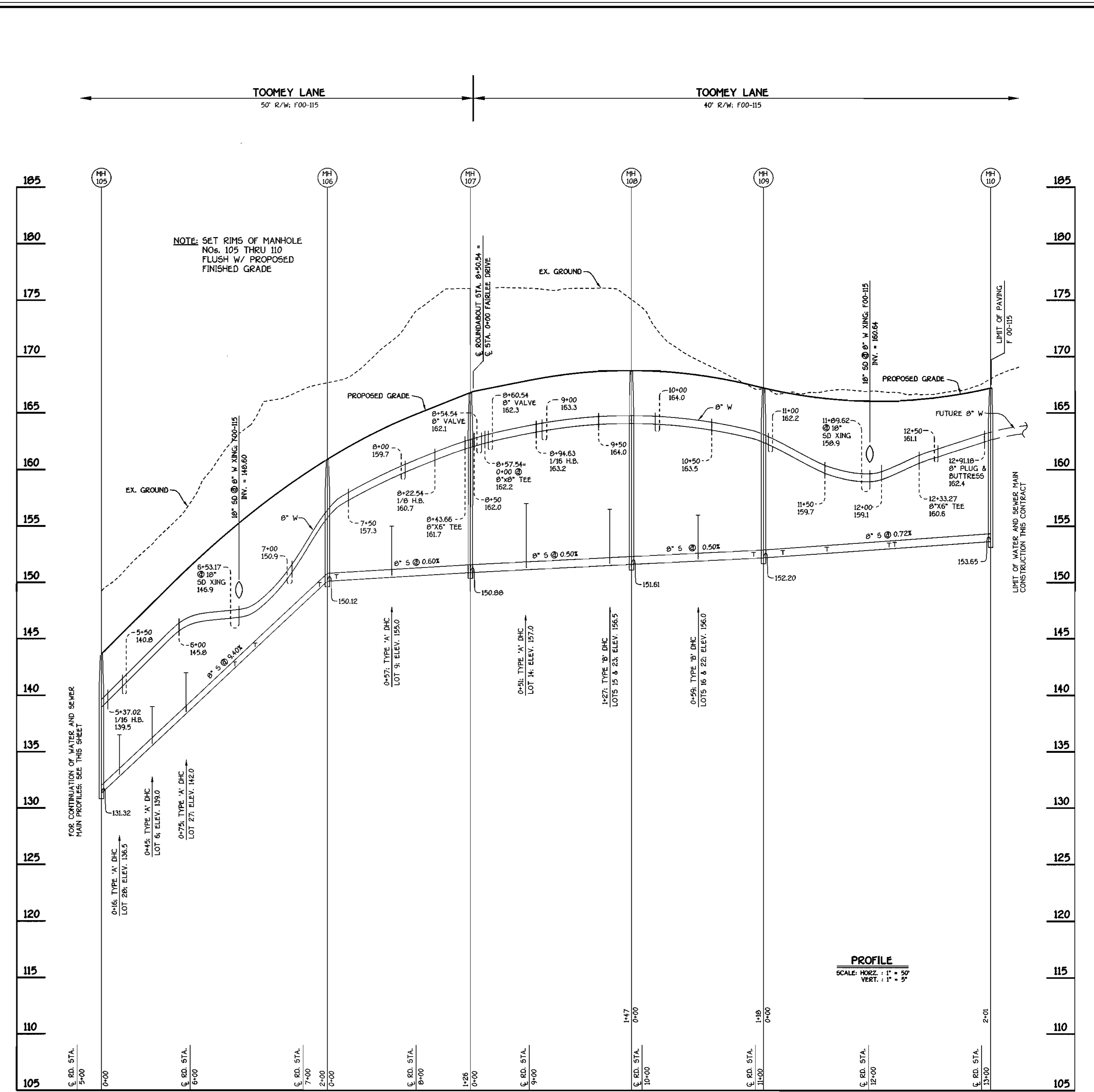
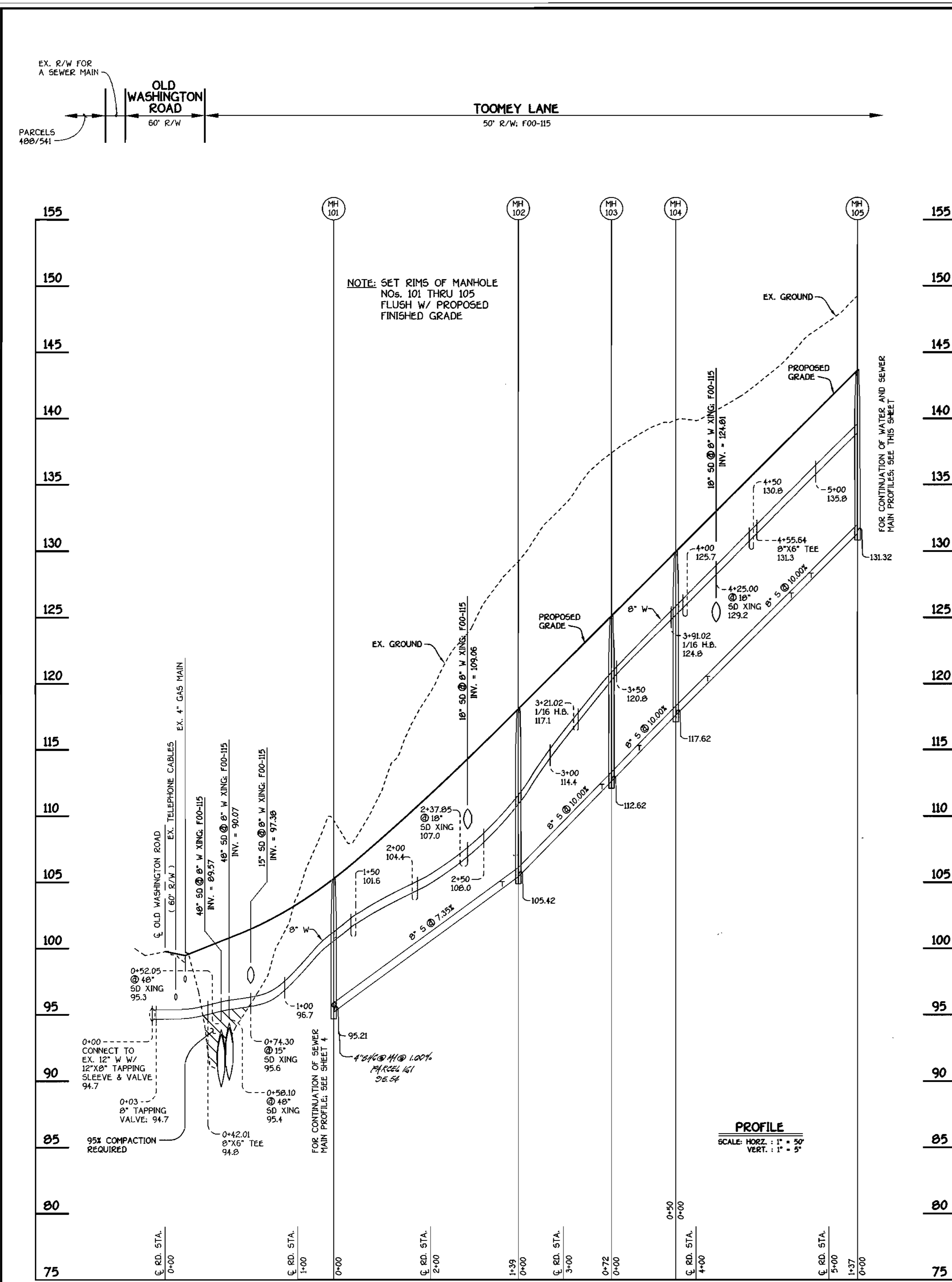


DESIGNED BY: M.D.T.  
DRAWN BY: M.D.T.  
CHECKED BY: M.D.T.  
DATE: AUGUST, 2000

PLAN VIEW  
WATER AND SEWER MAINS  
600' SCALE MAP NO. 38 BLOCK NO. 4  
F.C.C. WORKS ORDER NO. 5813  
FILE NAME: E:\S113\WATER\W013\PLAN SH1 2

WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 31 AND NON-BUILDABLE  
BULK PARCEL 'A'  
CONTRACT NO. 14-3002-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN  
SHEET 2 OF 4

K:\Drawings\616113 Toomey\WATER\W013\PLAN SH1 2.dwg Wed Aug 09 10:57:26 2000



**TOOMEY LANE: WATER & SEWER MAINS**

**TOOMEY LANE: WATER & SEWER MAINS**

CONTRACT NO. 14-3082-D  
**WESLEY WOODS**  
 SECTION 1  
 LOTS 1 THRU 31 AND NON-BUILDABLE  
 BULK PARCEL 'A'  
 WATER AND SEWER MAIN EXTENSIONS  
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 Chief, Bureau of Utilities  
 8-14-00

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
 Chief, Development Engineering Division  
 8/14/00

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21042  
 (410) 481-2000



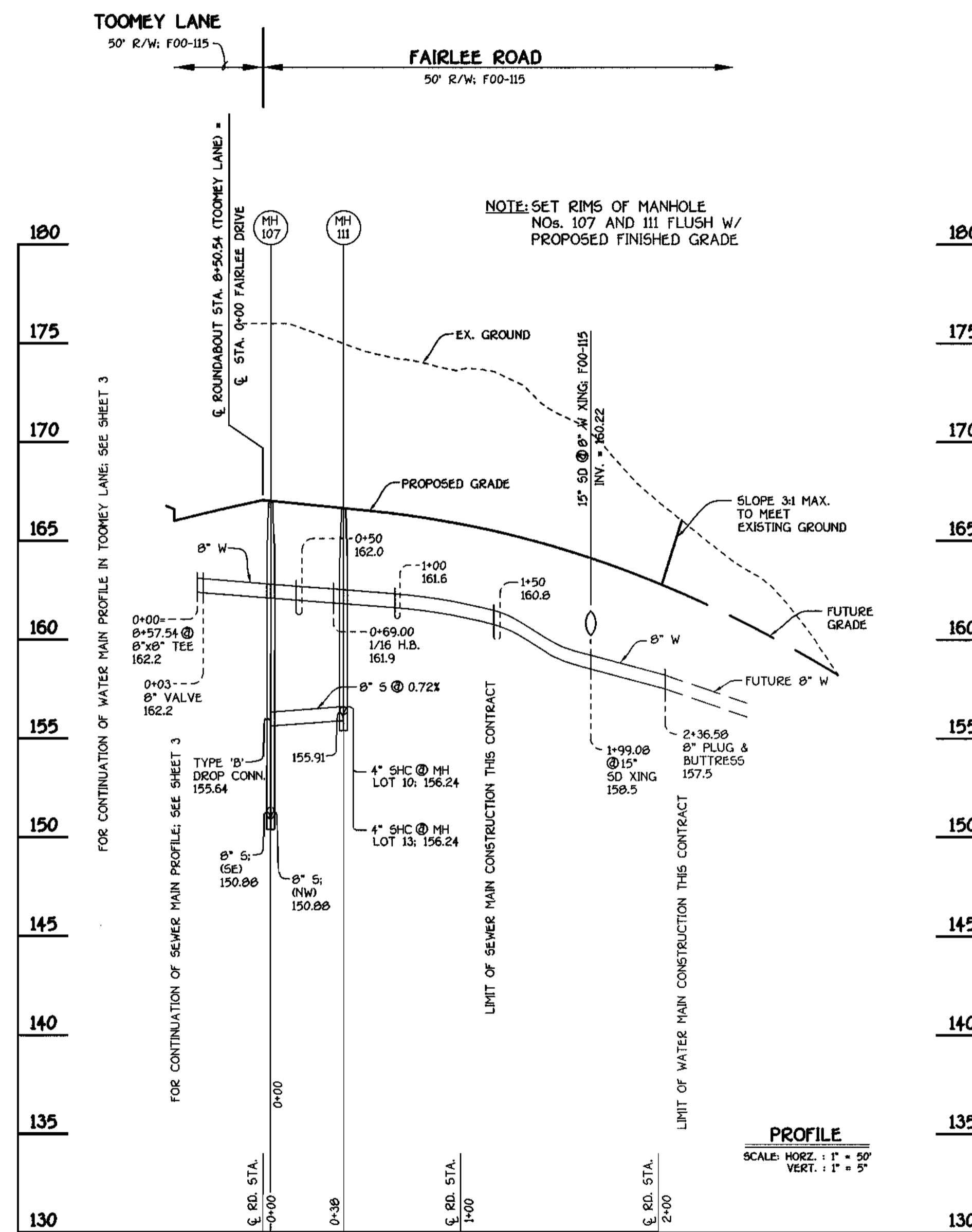
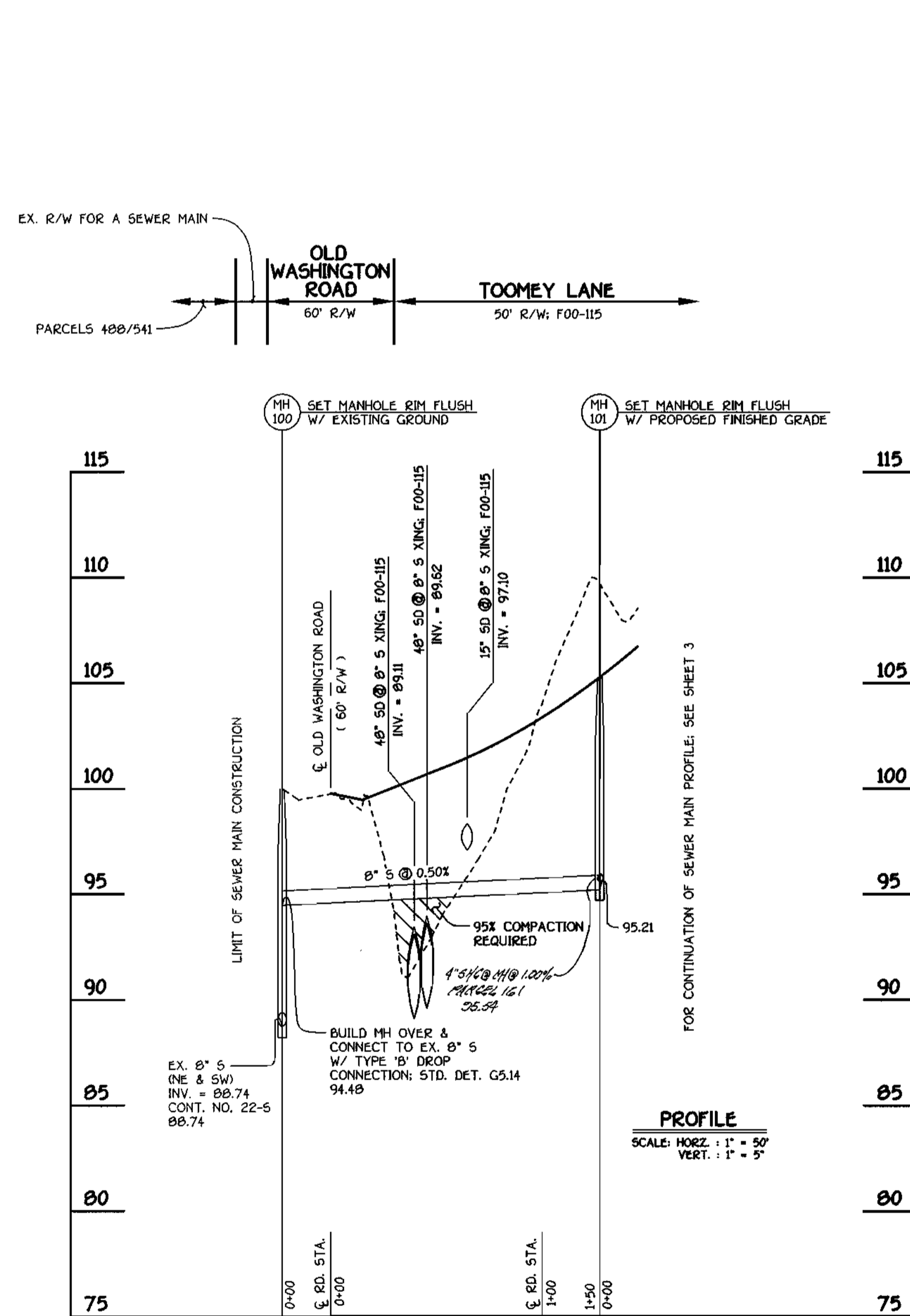
DESIGNED BY:	M.D.T.
DRAWN BY:	M.D.T.
CHECKED BY:	M.D.T.
DATE:	AUGUST, 2000
BY:	NO.
REVISION:	

**PROFILES  
 WATER AND SEWER MAINS**

600' SCALE MAP NO. 38 BLOCK NO. 4  
 F.C.C. WORK ORDER NO. 6113  
 FILE NAME: K:/8113/WATSEW/8113 PROFILES SH1 3

**WESLEY WOODS**  
 SECTION 1  
 LOTS 1 THRU 31 AND NON-BUILDABLE  
 BULK PARCEL 'A'  
 CONTRACT NO. 14-3082-D  
 FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
 SHEET 3 OF 4




SHC INVERT @ PROPERTY LINE CHART		
STATION	LOT	ELEVATION
MH 101 TO MH 102		
1+27 LT.	1	105.07
MH 102 TO MH 103		
0+63 LT.	2	112.27
MH 103 TO MH 104		
0+21 LT.	3	115.29
MH 104 TO MH 105		
0+24 LT.	4	120.59
0+07 LT.	5	126.07
1+02 RT.	29	128.59
MH 105 TO MH 106		
0+16 RT.	28 (DHC)	137.08
0+45 LT.	6 (DHC)	139.38
0+75 RT.	27 (DHC)	142.62
1+18 LT.	7	142.96
1+36 RT.	26	144.89
1+93 LT.	8	150.01
MH 106 TO MH 107		
0+08 RT.	25	150.96
0+57 LT.	9 (DHC)	155.42
MH 107 TO MH 108		
0+51 LT.	14 (DHC)	157.64
1+27 RT.	23 (TYPE 'B' DHC)	157.00
1+27 LT.	15 (TYPE 'B' DHC)	156.78
MH 108 TO MH 109		
0+59 RT.	22 (TYPE 'B' DHC)	156.46
0+59 LT.	16 (TYPE 'B' DHC)	156.34
1+08 LT.	17	152.62
MH 109 TO MH 110		
0+17 RT.	21	152.97
0+56 LT.	18	153.09
1+11 RT.	20	153.69
1+16 LT.	19	153.48
MH 107 TO MH 111		
⑩ MH 111 LT.	10 (SHC @ MH)	156.90
⑬ MH 111 RT.	13 (SHC @ MH)	156.86
MH 100 TO MH 101		
⑩ MH 101 LT.	10 (SHC @ MH)	25.72

WATER MAIN TABULATION CHART			
WM STATION	APPURTENANCE	ROAD STATION	DISTANCE
TOOMEY LANE			
0+00	12" X 8" TAPPING SLEEVE	-0+09.83	8.43' RT.
0+03	8" TAPPING VALVE	-0+06.83	8.43' RT.
0+41.86	8" X 6" TEE	0+32.01	7.26' RT.
0+45.68	P.C. (CRIMP RADIUS = 380')	0+35.63	7.15' RT.
0+56.32	P.T. (CRIMP RADIUS = 380')	0+46.47	7.00' RT.
3+21.02	1/16 H.B.	3+12.07	4.29' RT.
3+91.02	1/16 H.B.	3+84.16	416' RT.
4+55.64	8" X 6" TEE	4+50.76	3.96' RT.
5+37.02	1/16 H.B.	5+29.24	10.79' RT.
8+22.54	1/8 H.B.	8+13.23	8.44' RT.
8+43.86	8" X 6" TEE	8+28.57	22.96' RT.
8+54.54	8" VALVE	8+72.45	24.79' RT.
8+57.54	8" X 8" TEE	8+76.52	22.86' RT.
8+60.54	8" VALVE	8+80.59	20.94' RT.
8+94.63	1/16 H.B.	9+10.04	7.00' RT.
9+75.80	P.C. (CRIMP RADIUS = 380')	9+91.41	7.24' RT.
11+58.26	P.T. (CRIMP RADIUS = 380')	11+76.34	7.00' RT.
12+14.28	P.C. (CRIMP RADIUS = 380')	12+32.35	7.00' RT.
12+33.27	8" X 6" TEE	12+51.19	7.00' RT.
12+91.88	P.T. (CRIMP RADIUS = 380')	13+08.64	7.00' RT.
12+91.88	8" PLUG	13+08.64	7.00' RT.
FAIRLEE ROAD			
0+00	8" X 8" TEE	0+76.52	22.86' RT.
0+03	8" VALVE	0+75.24	20.15' RT.
0+89	1/16 H.B.	0+35.07	18.52' RT.
0+81.88	P.C. (CRIMP RADIUS = 380')	0+47.46	15.81' RT.
1+63.66	P.T. (CRIMP RADIUS = 380')	1+28.81	7.00' RT.
2+36.58	8" PLUG	2+01.72	7.00' RT.

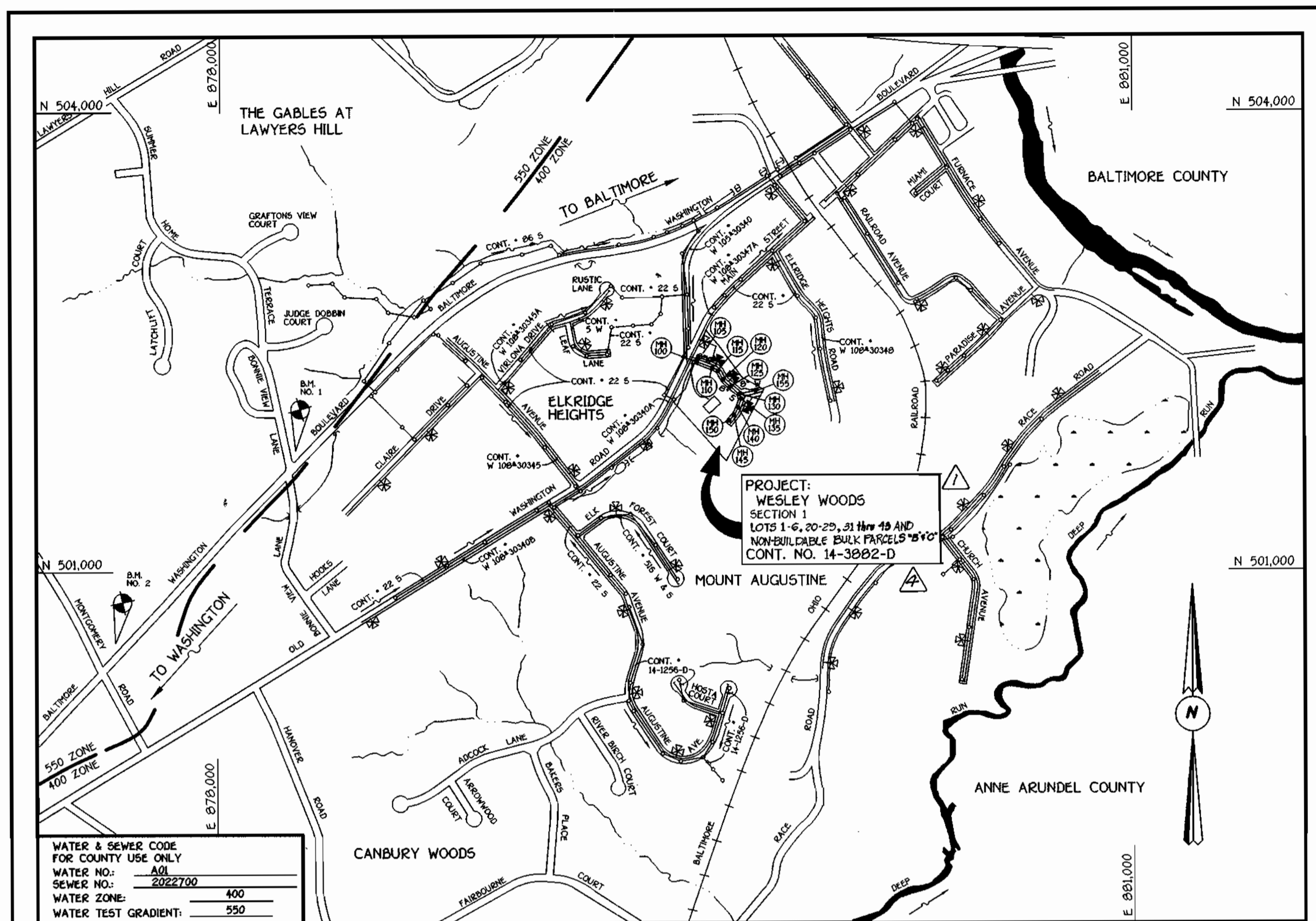
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Chief, Bureau of Utilities 8-14-00	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND Chief, Development Engineering Division 8/21/00	FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS 1400 48 - 2295	STATE OF MARYLAND TERRILL K. FISHER	DESIGNED BY: M.D.T. DRAWN BY: M.D.T. CHECKED BY: M.D.T. DATE: AUGUST, 2000	600' SCALE MAP NO. 38 BLOCK NO. 4 F.C.C. WORK ORDER NO. 5113 FILE NAME: E/6113/WATSEW/6113 PROFILES SH1.4	CONTRACT NO. 14-3882-D WESLEY WOODS SECTION 1 LOTS 1 THRU 31 AND NON-BUILDABLE BULK PARCEL 'A' WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 4 OF 4
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- WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- HOUSES WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- MANHOLES LOCATED WITHIN THE PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAMES AND COVERS, STANDARD DETAIL G.5.1.
- WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED AS TO HAVE ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.
- ALL WATER MAINS SHALL BE D.I.P., CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS 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.
- 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 ELEVATION SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS (W.11 AND W.213). SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATIONS C-153. DUCTILE IRON COMPACT FITTINGS, 3-INCH THROUGH 12-INCH FOR WATER AND OTHER LIQUIDS.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, # (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.11(a) OF THE HOWARD COUNTY CODE.

QUANTITIES				
ITEM	ESTIMATED	QUANTITIES	AS-BUILT	SUPPLIER
8" WATER	1,460' L.F.			
6" WATER	62,40' L.F.			
FIRE HYDRANTS	4 EACH			
1-1/2" WATER	194' L.F.			
1" WATER	419' L.F.			
8" x 8" TEE	1 EACH			
8" x 6" TEE	4 EACH			
8" VALVE	3 EACH			
6" VALVE	4 EACH			
8"-1/2" H.B.	1 EACH			
8"-1/16 H.B.	5 EACH			
12" x 8" TAPPING SLEEVE & VALVE	1 EACH			
8" PLUG & BUTTRESS	2 EACH			
8" SEWER	1,378' L.F.			
4" SEWER	285' L.F.			
MANHOLES	11 EACH			

NAME OF UTILITY CONTRACTOR: \_\_\_\_\_  
 SURVEY & DRAFTING DIVISION AS-BUILT DATE: \_\_\_\_\_



WATER & SEWER CODE FOR COUNTY USE ONLY	WATER NO.: 401
SEWER NO.:	2022700
WATER ZONE:	400
WATER TEST GRADIENT:	550

**VICINITY MAP**  
SCALE: 1"=600'

PLAN REFERENCE NUMBERS:  
S 98-14, P 99-14, F 00-15

# CONTRACT NO. 14-3882-D WESLEY WOODS

## SECTION 1 LOTS 1 THRU 6, 20 THRU 29, 31 THRU 43 AND NON-BUILDABLE BULK PARCELS 'B' & 'C' WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

BENCHMARK INFORMATION	
B.M.#1 - HOWARD COUNTY CONTROL STATION 388A	N 171466.9900 (METERS) E 423967.8604 (METERS)
B.M.#2 - HOWARD COUNTY CONTROL STATION 388B	N 171010.3214 (METERS) E 423561.3200 (METERS)

**DEVELOPER'S CERTIFICATION**

I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

Michael D. Tammile FOR: PATRIOT HOMES, INC. 08/10/00  
SIGNATURE OF DEVELOPER DATE

**ENGINEER'S CERTIFICATION**

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Paul W. Kridel 08/10/00  
SIGNATURE OF ENGINEER DATE

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

Chief Simmons 8/10/00  
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John R. Hunter 8/10/00  
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDMIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 215 OF THE HOWARD COUNTY DESIGN MANUAL & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND AS SHOWN ON THESE PLANS AND ON F00-115

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND



DESIGNED BY:	M.D.T.		
DRAWN BY:	G.V.C.	Revised lot numbering & added non-buildable Parcel 'C' to title block & vicinity map.	11/18/01
CHECKED BY:	D.N.	REVISE QUANTITIES TO REFLECT NEW LOT LAY-OUT.	08/04/00
M.D.T.	D.N.	REVISE NUMBERING OF LOTS; REVISE NUMBER OF UIC, 154'S	08/04/00
DATE:	AUGUST, 2000	REVISE LOT NUMBERING IN CONTRACT TITLE BLOCK.	08/04/00
BY:	NO.	REVISION	DATE

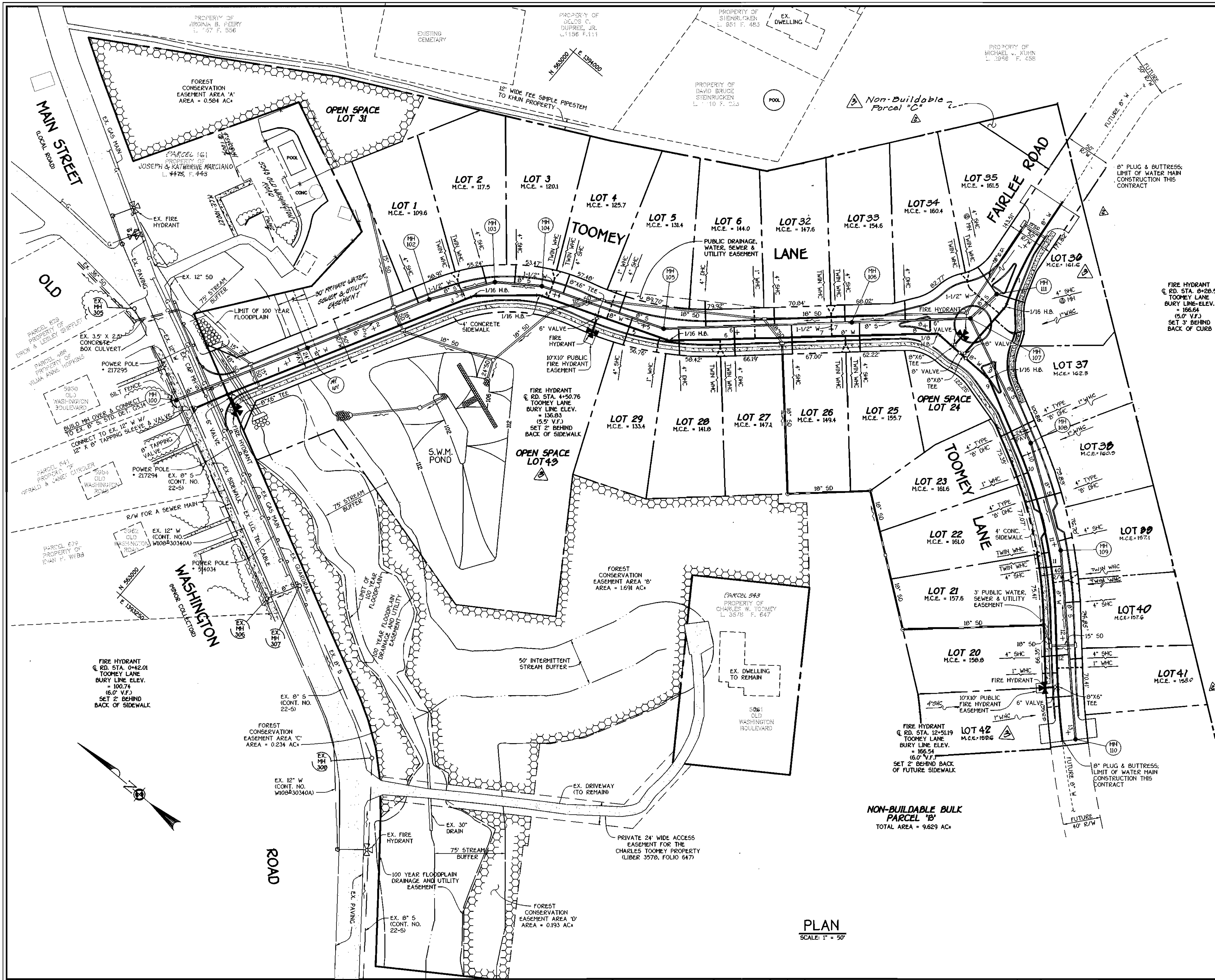
TITLE SHEET

600' SCALE MAP NO. 38 BLOCK NO. 4  
F.C.C. WORK ORDER NO. 6113  
FILE NAME: E:\5113\WATSEWER\5113 TITLE SH1

**WESLEY WOODS**  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 29, 31 THRU 43 AND NON-BUILDABLE BULK PARCELS 'B' & 'C'  
CONTRACT NO. 14-3882-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 1 of 4

CONTRACT NO. 14-3882-D  
WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 29, 31 THRU 43 AND NON-BUILDABLE BULK PARCELS 'B' & 'C'  
WATER AND SEWER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND



MANHOLE TABULATION CHART				
NO.	ROAD STATION	DISTANCE	SLOPE	RIM ELEVATION
100		7' LT.		100.00*
101	1+27.04 TOOMEY LANE	7' LT.	+7.56%	105.06
102	2+66.04 TOOMEY LANE	7' LT.	+10.00%	117.06
103	3+36.26 TOOMEY LANE	7.07' LT.	+10.00%	124.89
104	3+84.72 TOOMEY LANE	5.63' LT.	+10.00%	129.77
105	5+21.56 TOOMEY LANE	0.94' LT.	+10.00%	143.60
106	7+22.09 TOOMEY LANE	6.55' LT.	+4.00%	160.71
107	8+48.09 TOOMEY LANE	6.55' LT.		166.73
108	9+90.37 TOOMEY LANE	7.01' LT.	-0.18%	168.76
109	11+07.17 TOOMEY LANE	5.49' LT.	-1.92%	167.06
110	13+08.07 TOOMEY LANE	7.62' LT.	+2.72%	167.01
111	0+40.81 FAIRLEE ROAD	3.15' RT.	-1.00%	166.39

\* SET MANHOLE RIM FLUSH W/ EXISTING GROUND

NOTE: SEE WATER MAIN TABULATION CHART SHEET 4 OF 4.

NOTE: SEE SHC INVERT @ PROPERTY LINE CHART SHEET 4 OF 4.

FIRE HYDRANT @ RD. STA. 8+28.57 TOOMEY LANE BURY LINE ELEV. = 166.64 (5.0' V.F.) SET 3' BEHIND BACK OF CURB

PROPERTY OF MICHAEL V. KUHN L. 3486 F. 488

NOTE: THE PROPOSED ROAD, STORM DRAINS, CURB, GUTTER & ASSOCIATED ITEMS WILL BE CONSTRUCTED UNDER F 00-115

PLAN SCALE: 1" = 50'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert Berman*  
CHIEF, BUREAU OF UTILITIES

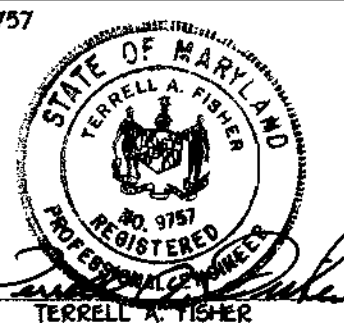
8-14-00  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

*Mr. [Signature]*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

8/2/00  
DATE

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10275 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21042  
(410) 481-2055



DESIGNED BY:	M.D.T.		
DRAWN BY:	M.D.T.		
CHECKED BY:	M.D.T.	8/11/00	
DATE:	AUGUST, 2000		

BY NO. REVISION DATE

8/11/00  
8/22/00  
8/22/00

Revised numbering for lots 30 thru 43 & added non-buildable parcel 'C' to plan & title block.  
REVISE LOT LAYOUT, LOT NUMBERS, M.C.E.'S, W.H.C.'S & S.H.C.'S  
REVISE LOT NUMBERING IN CONTRACT TITLE BLOCKS.

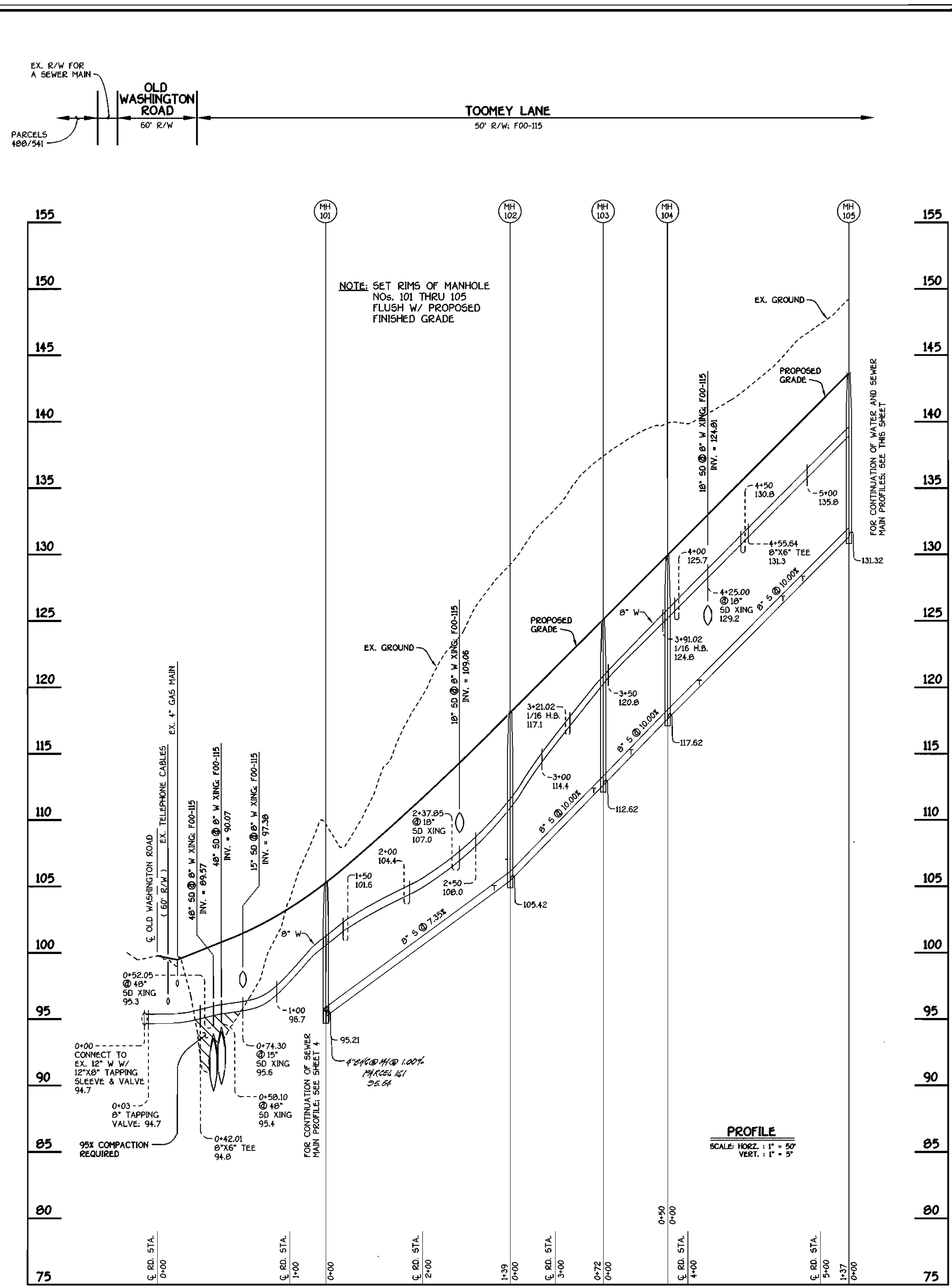
PLAN VIEW  
WATER AND SEWER MAINS

600' SCALE MAP NO. 38 BLOCK NO. 4  
F.C.C. WORK ORDER NO. 5113  
FILE NAME: EMB313WATSEWMAIN PLAN SH 2

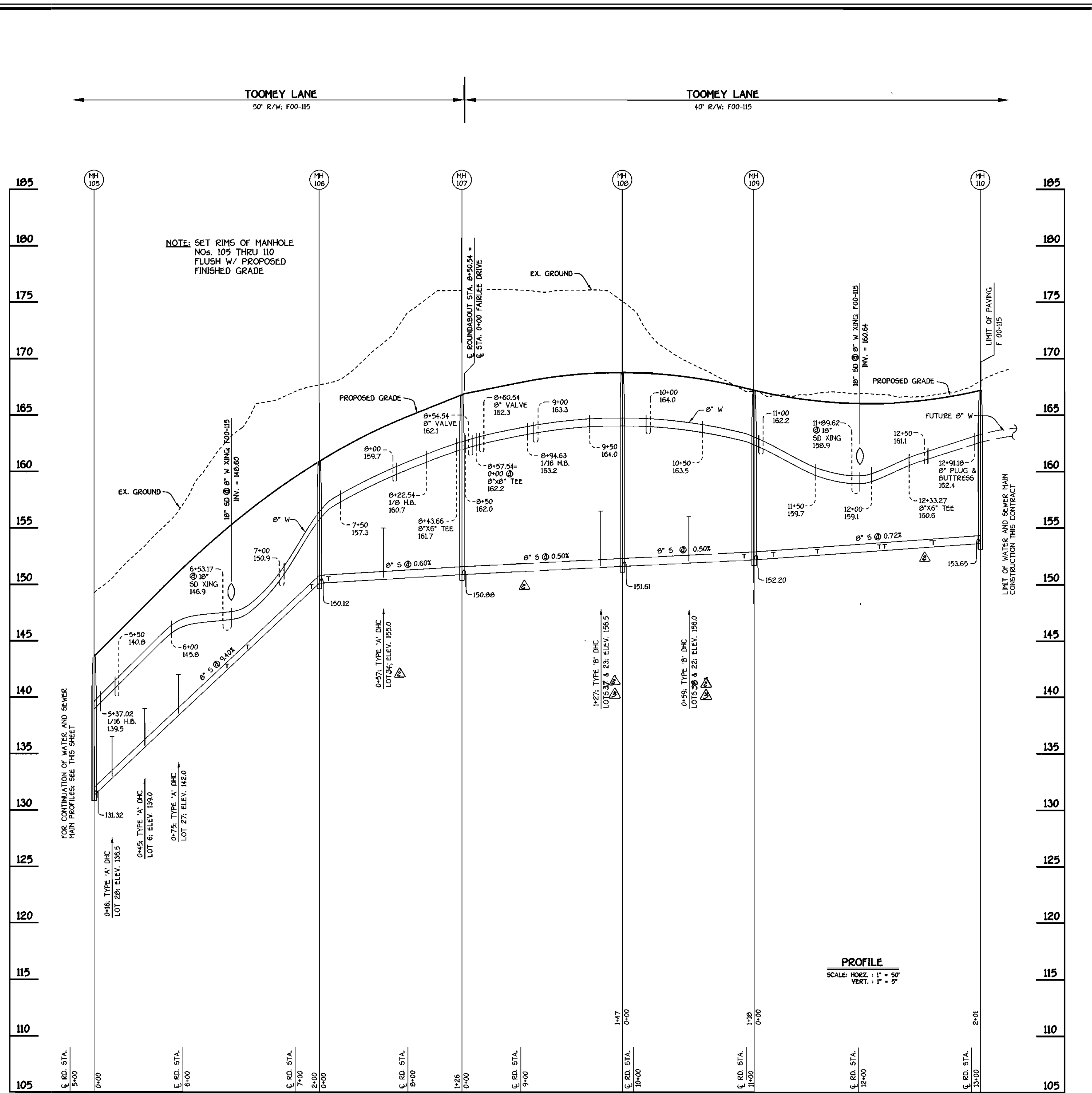
WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 20 THRU 29, 31 THRU 43 AND NON-BUILDABLE BULK PARCELS 'B' & 'C'  
CONTRACT NO. 14-3082-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 2 OF 4

K:\Drawings\6161113 Toomey\WATSEWMAIN\6161113 Plan\_Sht. 2.dwg Wed Aug 09 10:57:26 2000



TOOMEY LANE: WATER & SEWER MAINS

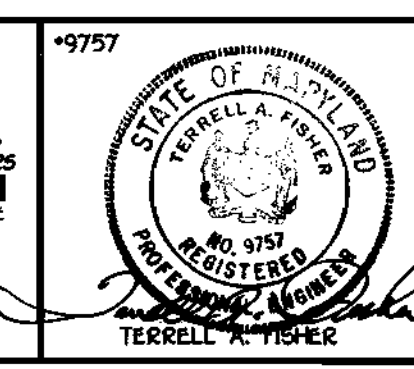


TOOMEY LANE: WATER & SEWER MAINS

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
3-14-07

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
02/16/07

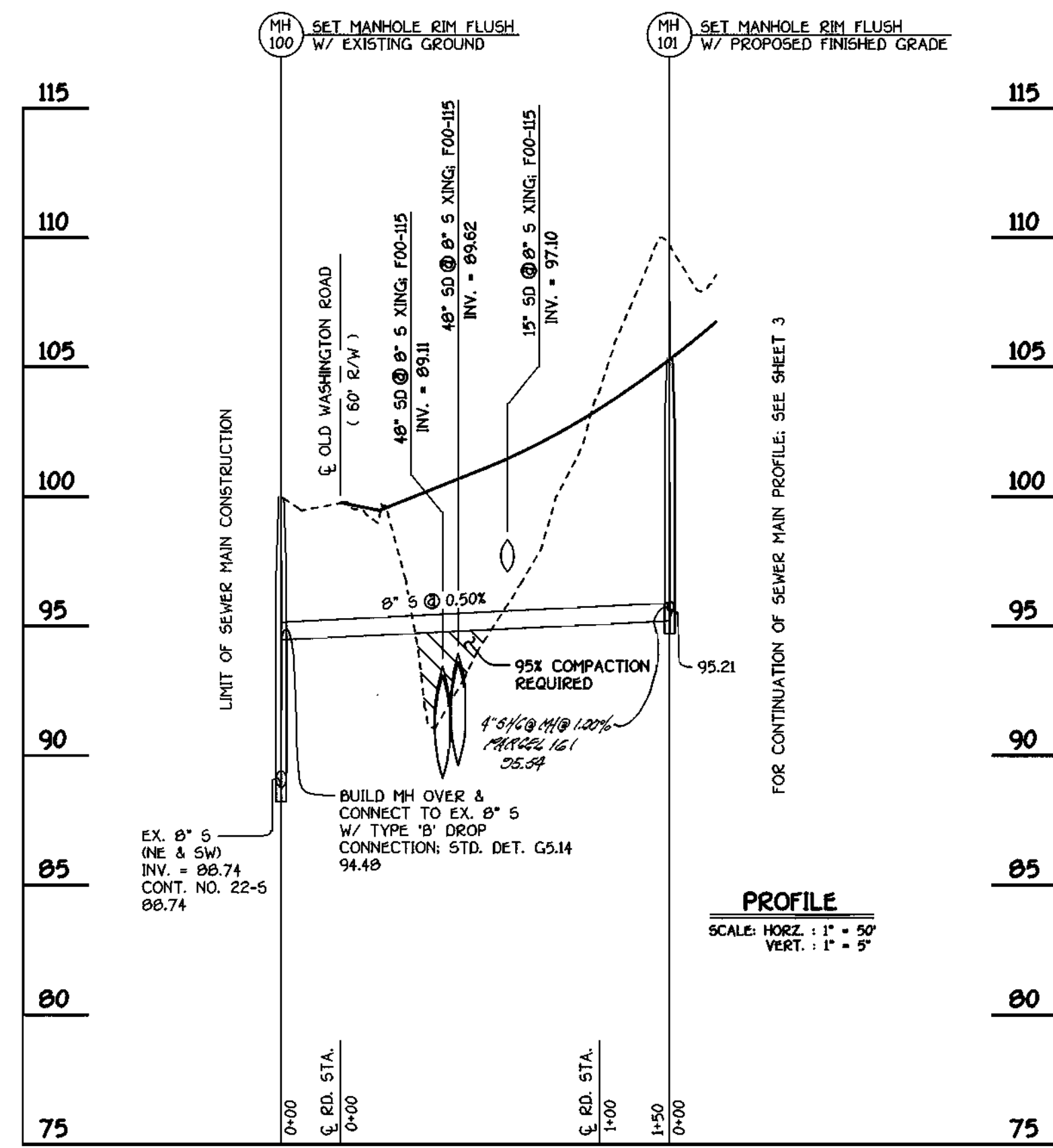
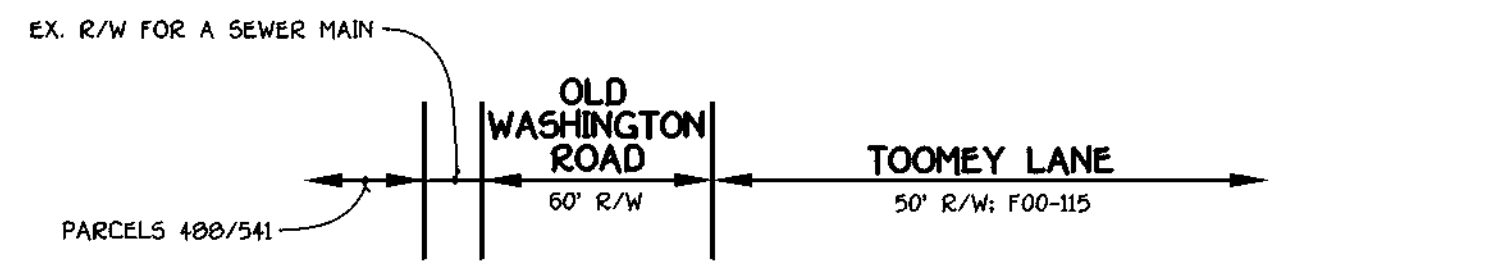
FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
1000 W. 10th St., Suite 200  
Baltimore, MD 21201



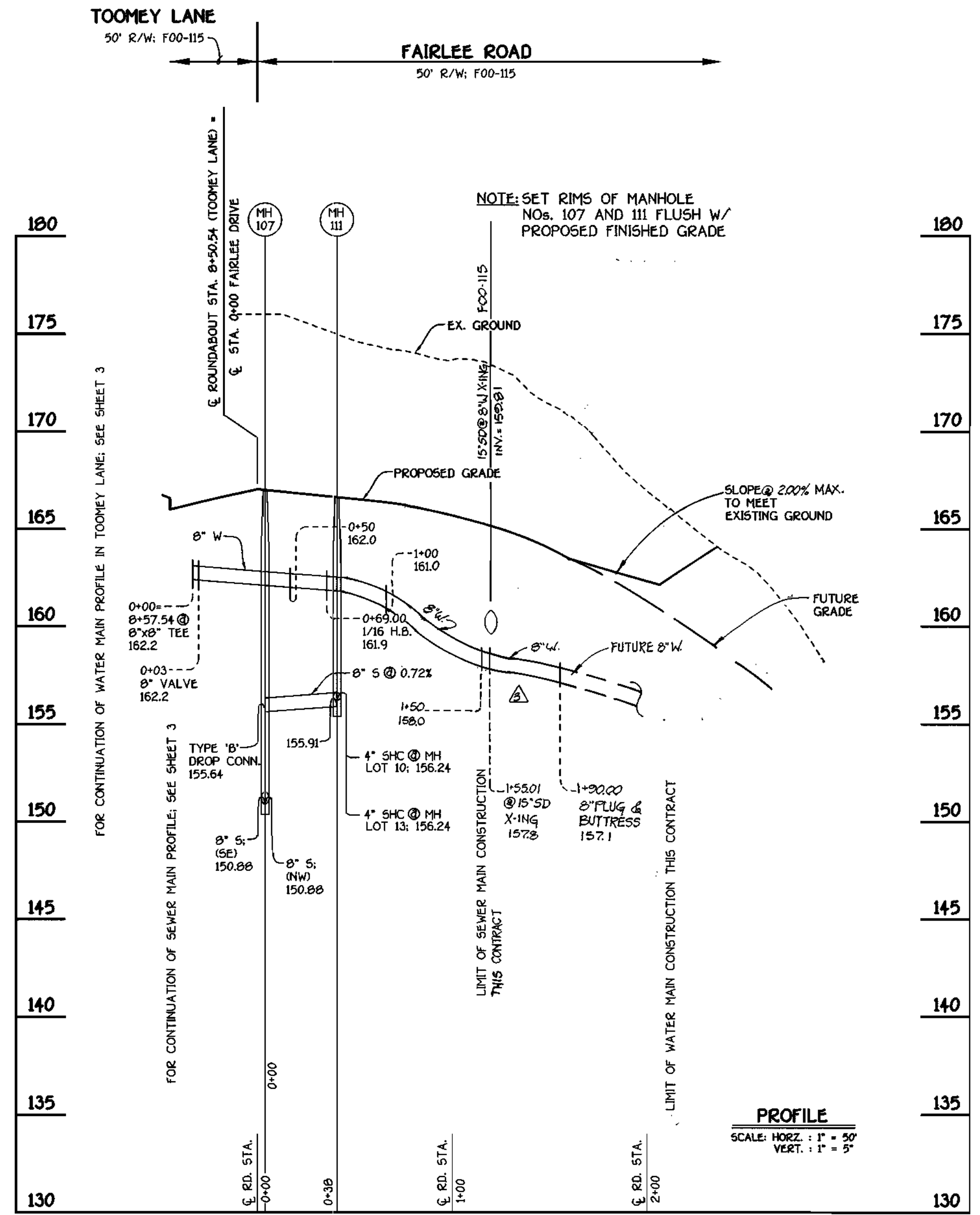
DESIGNED BY:	M.D.T.
DRAWN BY:	M.D.T.
CHECKED BY:	S.V.O. Renumbered GHC's for lots 27 & 28; revised lot numbering & added non-buildable Parcel 10 to Title block 11-12-01
DATE:	AUGUST, 2000
BY:	M.D.T. REVISE LOT NUMBERING IN CONTRACT TITLE BLOCKS 22-04-01
NO.:	NO. 9757 REGISTERED PROFESSIONAL ENGINEER
REVISION:	REVISE LOT NUMBERING IN CONTRACT TITLE BLOCKS 22-04-01

PROFILES  
WATER AND SEWER MAINS  
600' SCALE MAP NO. 38 BLOCK NO. 4  
F.C.C. WORK ORDER NO. 8883  
FILE NAME: E/6113/WATSEW/6113 PROFILES SH 3

WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 20, 21 THRU 49 AND NON-BUILDABLE  
CONTRACT NO. 14-3882-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN  
SHEET 3 OF 4



**TOOMEY LANE: SEWER MAIN**



**FAIRLEE ROAD: WATER AND SEWER MAINS**

SHC INVERT @ PROPERTY LINE CHART		
STATION	LOT	ELEVATION
1+27 LT.	MH 101 TO MH 102	105.07
0+63 LT.	MH 102 TO MH 103	112.27
0+21 LT.	MH 103 TO MH 104	115.29
0+24 LT.	MH 104 TO MH 105	120.59
0+87 LT.	5	126.87
1+02 RT.	29	128.59
0+16 RT.	MH 105 TO MH 106	137.08
0+45 LT.	6 (DHC)	139.38
0+75 RT.	27 (DHC)	142.62
1+18 LT.	32	142.96
1+36 LT.	26	144.89
1+93 LT.	33	150.01
0+08 RT.	MH 106 TO MH 107	150.96
0+57 LT.	34 (DHC)	155.42
1+27 RT.	MH 107 TO MH 108	157.00
1+27 LT.	23 (TYPE 'B' DHC)	157.78
0+59 RT.	22 (TYPE 'B' DHC)	156.46
1+08 LT.	30	152.62
0+17 RT.	MH 109 TO MH 110	152.97
0+56 LT.	AD	153.09
1+11 RT.	20	153.69
1+16 LT.	47	153.48
0+11 LT.	MH 107 TO MH 111	156.90
0+11 RT.	10 (SHC @ MH)	156.86
0+11 RT.	13 (SHC @ MH)	156.86
0+11 LT.	MH 107 TO MH 101	156.72
1+28 RT.	MH 109 TO MH 110	154.25
0+11 LT.	MH 107 TO MH 111	156.90
0+11 RT.	36 (SHC @ MH)	156.86

WATER MAIN TABULATION CHART			
WM STATION	APPURTENANCE	ROAD STATION	DISTANCE
TOOMEY LANE			
0+00	12" X 8" TAPPING SLEEVE	-0+09.83	8.43' RT.
0+03	8" TAPPING VALVE	-0+06.83	8.43' RT.
0+41.86	8" X 6" TEE	0+32.01	7.26' RT.
0+45.68	P.C. (CRIMP RADIUS = 380')	0+35.63	7.15' RT.
0+56.32	P.T. (CRIMP RADIUS = 380')	0+46.47	7.00' RT.
3+21.02	1/16 H.B.	3+12.07	4.29' RT.
3+91.02	1/16 H.B.	3+84.16	4.18' RT.
4+55.64	8" X 6" TEE	4+50.76	3.98' RT.
5+37.02	1/16 H.B.	5+29.24	10.79' RT.
8+22.54	1/8 H.B.	8+13.23	8.44' RT.
8+43.66	8" X 6" TEE	8+28.57	22.98' RT.
8+54.54	8" VALVE	8+72.45	24.79' RT.
8+57.54	8" X 8" TEE	8+76.52	22.86' RT.
8+60.54	8" VALVE	8+80.59	20.94' RT.
8+94.63	1/16 H.B.	9+10.04	7.00' RT.
9+75.80	P.C. (CRIMP RADIUS = 380')	9+91.41	7.24' RT.
11+58.26	P.T. (CRIMP RADIUS = 380')	11+76.34	7.00' RT.
12+14.28	P.C. (CRIMP RADIUS = 380')	12+32.35	7.00' RT.
12+33.27	8" X 6" TEE	12+51.19	7.00' RT.
12+91.18	P.T. (CRIMP RADIUS = 380')	13+08.64	7.00' RT.
12+91.18	8" PLUG	13+08.64	7.00' RT.
FAIRLEE ROAD			
0+00	8" X 8" TEE	8+76.52	22.86' RT.
0+03	8" VALVE	8+75.24	20.15' RT.
0+69	1/16 H.B.	0+35.07	18.52' RT.
0+81.68	P.C. (CRIMP RADIUS = 380')	0+47.46	15.81' RT.
1+63.86	P.T. (CRIMP RADIUS = 380')	1+28.81	7.00' RT.
1+92.20	8" PLUG	1+56.80	7.00' RT.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert W. Dunning*  
CHIEF, BUREAU OF UTILITIES

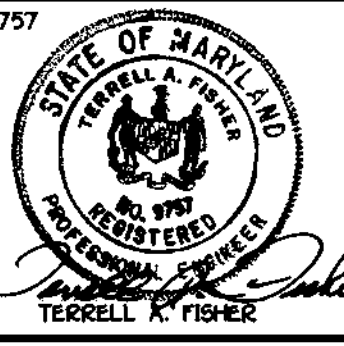
9-14-00  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

*John Dunning*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

8/21/00  
DATE

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21042  
410.461.2000



DESIGNED BY:	M.D.T.	
DRAWN BY:	B.V.C.	Revised lot numbers 36-42 in SHC invert @ Property Line Chart, also revised lot numbering & added non-build parcels to the block. 11-12-01
CHECKED BY:	D.N.	REVISE WM PROFILE & LOCATION OF APPURTENANCES PER NEW LOT LAYOUT. 09-04-01
DATE:	AUGUST, 2000	REVISE LOT NUMBERS & LOCATION OF SHC PER NEW LOT LAYOUT. 09-04-01
BY:	D.N.	REVISE LOT NUMBERING IN CONTRACT TITLE BLOCKS. 09-04-01

PROFILES  
WATER AND SEWER MAINS

600' SCALE MAP NO. 38 BLOCK NO. 4

F.C.C. WORK ORDER NO. 6113

FILE NAME: E:\6113\WATSEW\6113 PROFILES SH1 4

WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 23, 31 THRU 43 AND NON-BUILDABLE  
BULK PARCELS 'B' & 'C'  
CONTRACT NO. 14-3882-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND


SCALE AS SHOWN

SHEET 4 OF 4

CONTRACT NO. 14-3882-D  
WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 23, 31 THRU 43 AND NON-BUILDABLE  
BULK PARCELS 'B' & 'C'  
WATER AND SEWER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

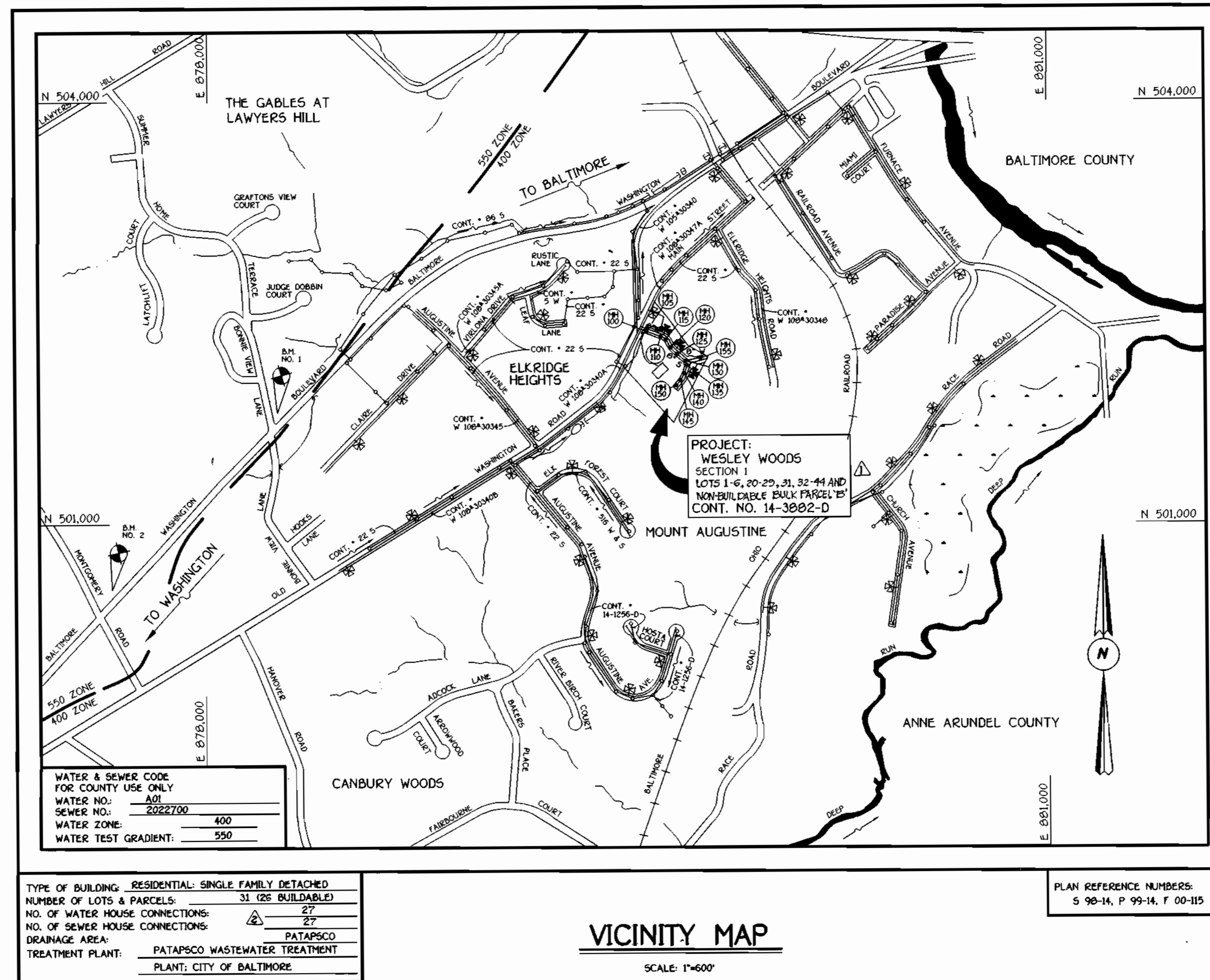


**GENERAL NOTES**

- 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 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. DATUM.
- ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM.
- 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 (1991 AMENDMENTS) THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB SITE.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL  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 VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
  - STATE HIGHWAY ADMINISTRATION - 531-5533
  - BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES - 850-4620
  - BALTIMORE GAS & ELECTRIC CO. - UNDER GROUND DAMAGE CONTROL - 787-9068
  - MISS UTILITY - 1-800-257-7777
  - COLONIAL PIPELINE CO. - 795-1390
  - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 313-4900
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- T.B. DENOTES TEST BORING.
- MANHOLES SHOWN WITH 12" AND 18" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVERS, STANDARD DETAIL G. 5.52.
- WHERE WATER-TIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- HOUSES WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- MANHOLES LOCATED WITHIN THE PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAMES AND COVERS, STANDARD DETAIL G.5.51.
- WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED AS TO HAVE ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.
- ALL WATER MAINS SHALL BE D.I.P., CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS 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.
- 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 ELEVATION SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS (W.11 AND W.2.13). SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATIONS C-153; DUCTILE IRON COMPACT FITTINGS, 3-INCH THROUGH 12-INCH FOR WATER AND OTHER LIQUIDS.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, @ (410) 313-2450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.11(K) OF THE HOWARD COUNTY CODE.

QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER
8" WATER	1,460 L.F.			
6" WATER	62,46 L.F.			
FIRE HYDRANTS	4 EACH			
1-1/2" WATER	194 L.F.			
1" WATER	412 L.F.			
8" x 8" TEE	1 EACH			
8" x 6" TEE	4 EACH			
8" VALVE	3 EACH			
6" VALVE	4 EACH			
8"-1/8 H.B.	1 EACH			
8"-1/8 H.B.	5 EACH			
12" x 8" TAPPING SLEEVE & VALVE	1 EACH			
8" PLUG & BUTTRESS	2 EACH			
8" SEWER	1,378 L.F.			
4" SEWER	288 L.F.			
MANHOLES	11 EACH			

NAME OF UTILITY CONTRACTOR: \_\_\_\_\_  
SURVEY & DRAFTING DIVISION AS-BUILT DATE: \_\_\_\_\_



TYPE OF BUILDING:	RESIDENTIAL: SINGLE FAMILY DETACHED
NUMBER OF LOTS & PARCELS:	31 (26 BUILDABLE)
NO. OF WATER HOUSE CONNECTIONS:	27
NO. OF SEWER HOUSE CONNECTIONS:	27
DRAINAGE AREA:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WASTEWATER TREATMENT PLANT: CITY OF BALTIMORE

PLAN REFERENCE NUMBERS:  
S 98-14, P 99-14, F 00-115

**VICINITY MAP**

SCALE: 1"=600'

**DEVELOPER'S CERTIFICATION**

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

*Michael J. Tamble* FOR: PATRICK HOMES, INC. 08/10/00  
SIGNATURE OF DEVELOPER DATE

**ENGINEER'S CERTIFICATION**

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Paul W. Kiehl* 08/10/00  
SIGNATURE OF ENGINEER DATE

**BENCHMARK INFORMATION**

B.M.#1 - HOWARD COUNTY CONTROL STATION 380A	N 171466.5900 (METERS)	E 423967.8604 (METERS)
B.M.#2 - HOWARD COUNTY CONTROL STATION 380B	N 171010.3214 (METERS)	E 423561.3200 (METERS)

**CONTRACT NO. 14-3882-D  
WESLEY WOODS**

**SECTION 1**

**LOTS 1 THRU 6, 20 THRU 29, 31, 32 THRU 44 AND NON-BUILDABLE BULK PARCEL 'B'**

**WATER AND SEWER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND**

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

*Chief Simmons* 8/10/00  
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

APPROVED: *J. H. [Signature]* 8/10/00  
HOWARD SOIL CONSERVATION DISTRICT DATE

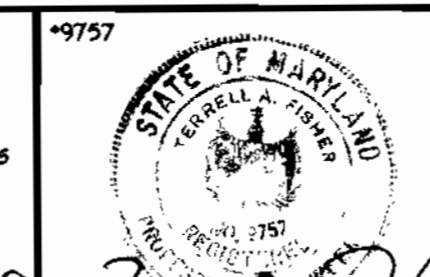
SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND AS SHOWN ON THESE PLANS AND ON 700-115

SIGNATURE OF DEVELOPER \_\_\_\_\_ DATE \_\_\_\_\_

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK - 10725 BALTIMORE NATIONAL Pk.  
ELKLOFT CITY, MARYLAND 21042  
(410) 461-2855



DESIGNED BY:	M.D.T.		
DRAWN BY:	M.D.T.		
CHECKED BY:	D.M.	REVISE QUANTITIES TO REFLECT NEW LOT LAY-OUT.	08/04/00
DATE:	M.D.T.	REVISE NUMBERING OF LOTS; REVISE NUMBER OF UHG, 154'S;	08/04/00
BY:	B.N.	REVISE LOT NUMBERING IN CONTRACT TITLE BLOCK.	08/04/00

TITLE SHEET	
600' SCALE MAP NO. 38	BLOCK NO. 4
F.C.C. WORK ORDER NO. 6113	
FILE NAME: ES0115.WATSEWMAIN.TITLE.SHT.1	

**WESLEY WOODS**  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 29, 31, 32 THRU 44 AND NON-BUILDABLE BULK PARCEL 'B'  
CONTRACT NO. 14-3882-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 1 of 4

CONTRACT NO. 14-3882-D  
WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 29, 31, 32 THRU 44 AND NON-BUILDABLE BULK PARCEL 'B'  
WATER AND SEWER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

*[Signature]* 8-14-00  
DATE

*[Signature]* 8/21/00  
DATE

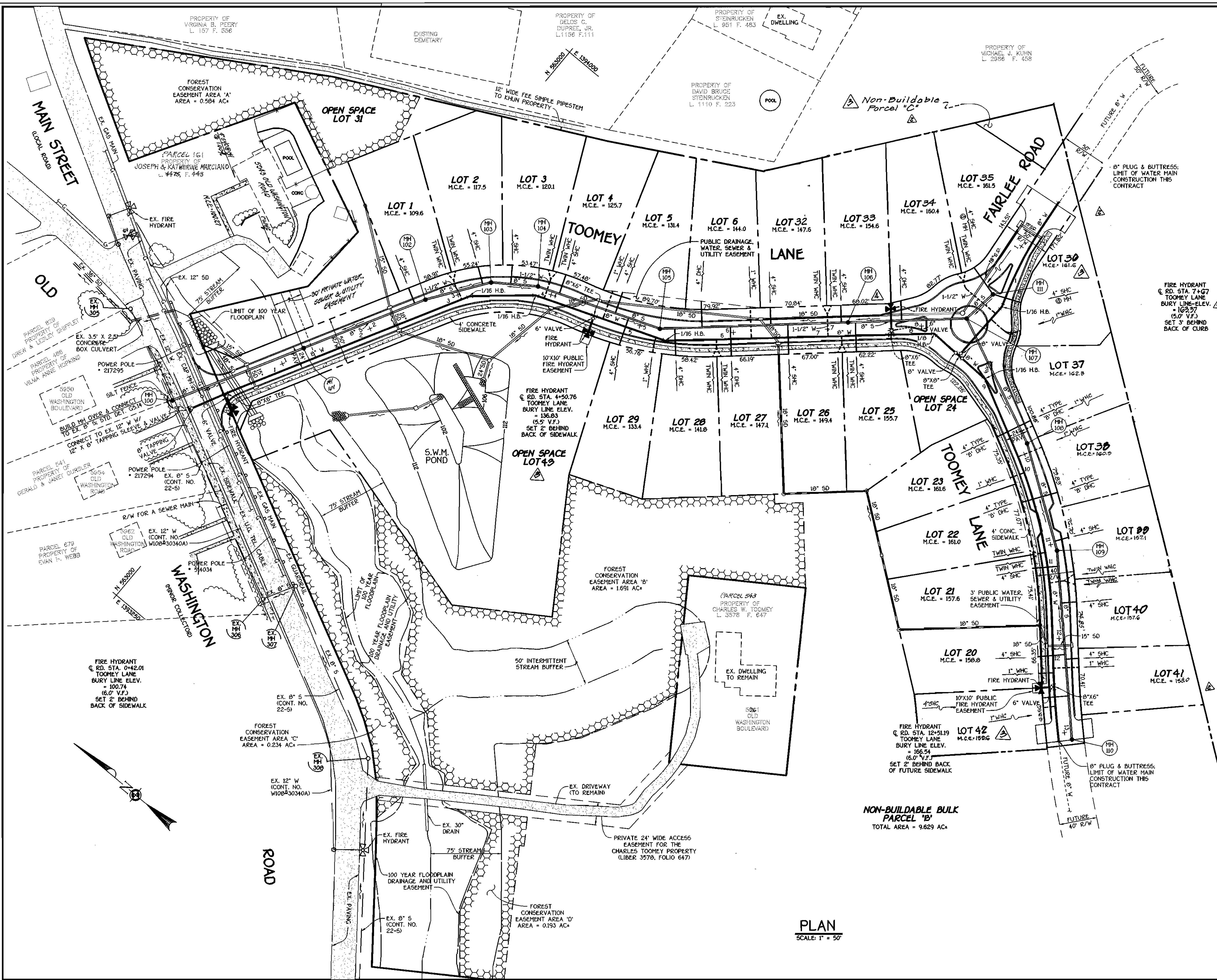
TERRELL A. FISHER

DESIGNED BY: M.D.T.  
DRAWN BY: M.D.T.  
CHECKED BY: D.M.  
DATE: AUGUST, 2000  
BY: NO. REVISION

FILE NAME: ES0115.WATSEWMAIN.TITLE.SHT.1

CONTRACT NO. 14-3882-D  
WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 29, 31, 32 THRU 44 AND NON-BUILDABLE BULK PARCEL 'B'  
WATER AND SEWER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 1 of 4



MANHOLE TABULATION CHART				
NO.	ROAD STATION	DISTANCE	SLOPE	RIM ELEVATION
100		7' LT.		100.00*
101	1+27.04 TOOMEY LANE	7' LT.	+7.56%	105.08
102	2+66.04 TOOMEY LANE	7' LT.	+10.00%	117.86
103	3+36.26 TOOMEY LANE	7.07' LT.	+10.00%	124.89
104	3+84.72 TOOMEY LANE	5.63' LT.	+10.00%	129.77
105	5+21.56 TOOMEY LANE	0.94' LT.	+10.00%	143.60
106	7+22.09 TOOMEY LANE	6.95' LT.	+4.00%	160.71
107	8+48.09 TOOMEY LANE	6.95' LT.		166.73
108	9+90.37 TOOMEY LANE	7.01' LT.	-0.18%	168.76
109	11+07.17 TOOMEY LANE	5.49' LT.	-1.92%	167.06
110	13+08.07 TOOMEY LANE	7.02' LT.	+2.72%	167.01
111	0+40.81 FAIRLEE ROAD	3.15' RT.	-1.00%	166.39

\* SET MANHOLE RIM FLUSH W/ EXISTING GROUND

NOTE: SEE WATER MAIN TABULATION CHART SHEET 4 OF 4.

NOTE: SEE SHC INVERT @ PROPERTY LINE CHART SHEET 4 OF 4.

FIRE HYDRANT @ RD. STA. 7+67 TOOMEY LANE BURY LINE ELEV. = 103.77 (5.0' V.I.) SET 3' BEHIND BACK OF CURB

PROPERTY OF MICHAEL J. KUHN L. 2086 F. 488

NOTE: THE PROPOSED ROAD, STORM DRAINS, CURB, GUTTER & ASSOCIATED ITEMS WILL BE CONSTRUCTED UNDER F 00-115

PLAN  
SCALE: 1" = 50'

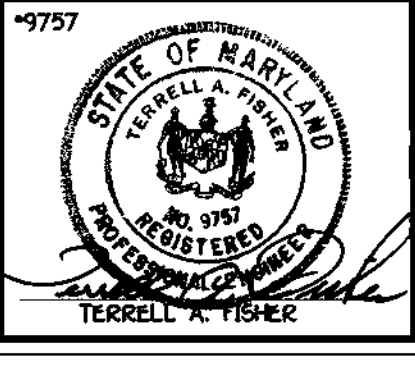
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

3-14-00  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

8/2/00  
DATE

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
10772 BALTIMORE NATIONAL PIKE  
ELLIOTT CITY, MARYLAND 20622  
410.461.1055



DESIGNED BY:	M.D.T.		
DRAWN BY:	BLP	REVISE LOCATION OF FH & BURY LINE ELEVATION	9/10/02
CHECKED BY:	S.V.C.	REVISED NUMBERING FOR LOTS 30 THRU 41 & ADDED NON-BUILDABLE PARCELS TO PLAN & TITLE BLOCK	11-12-01
DATE:	AUGUST, 2000		

PLAN VIEW  
WATER AND SEWER MAINS

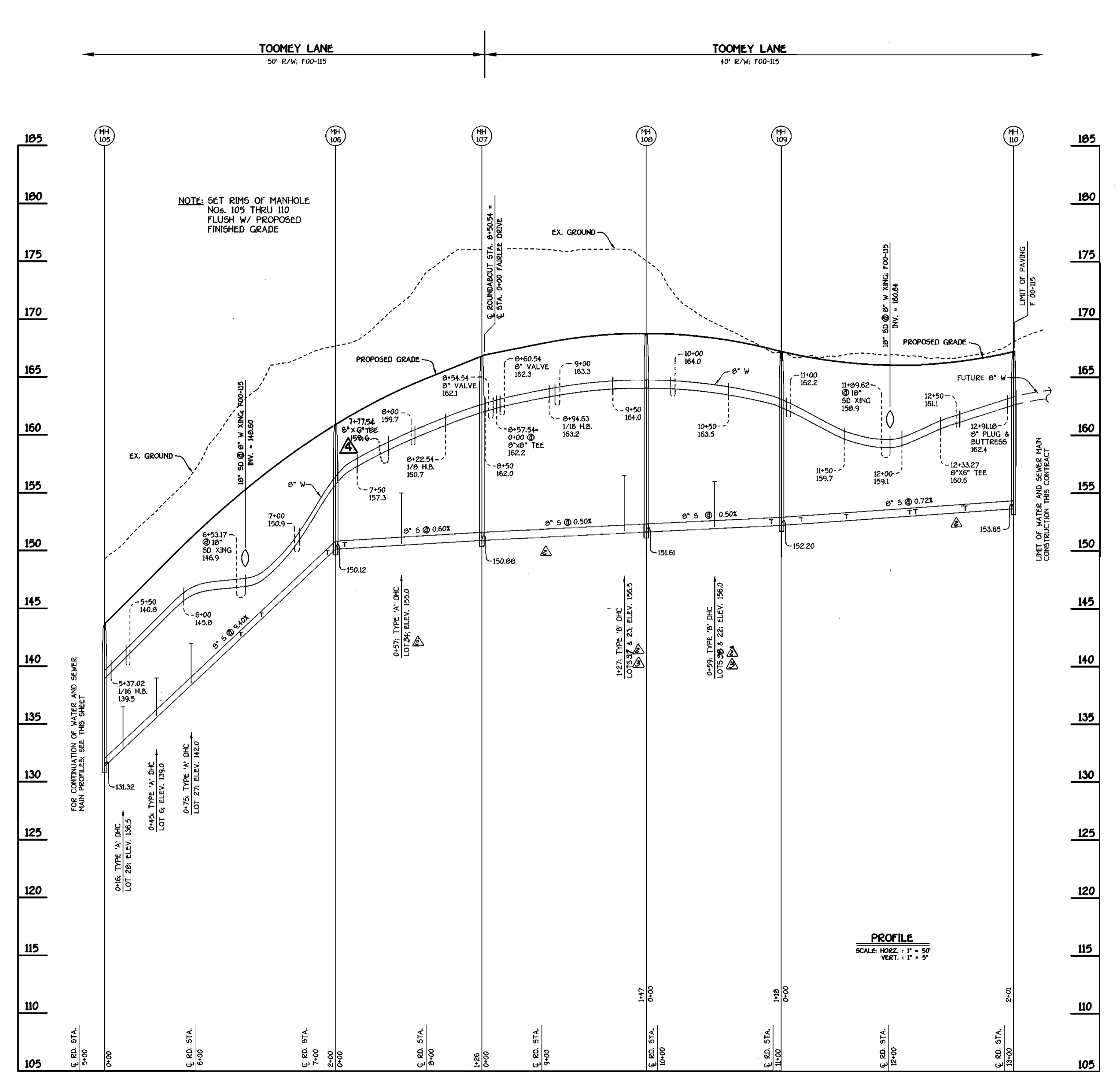
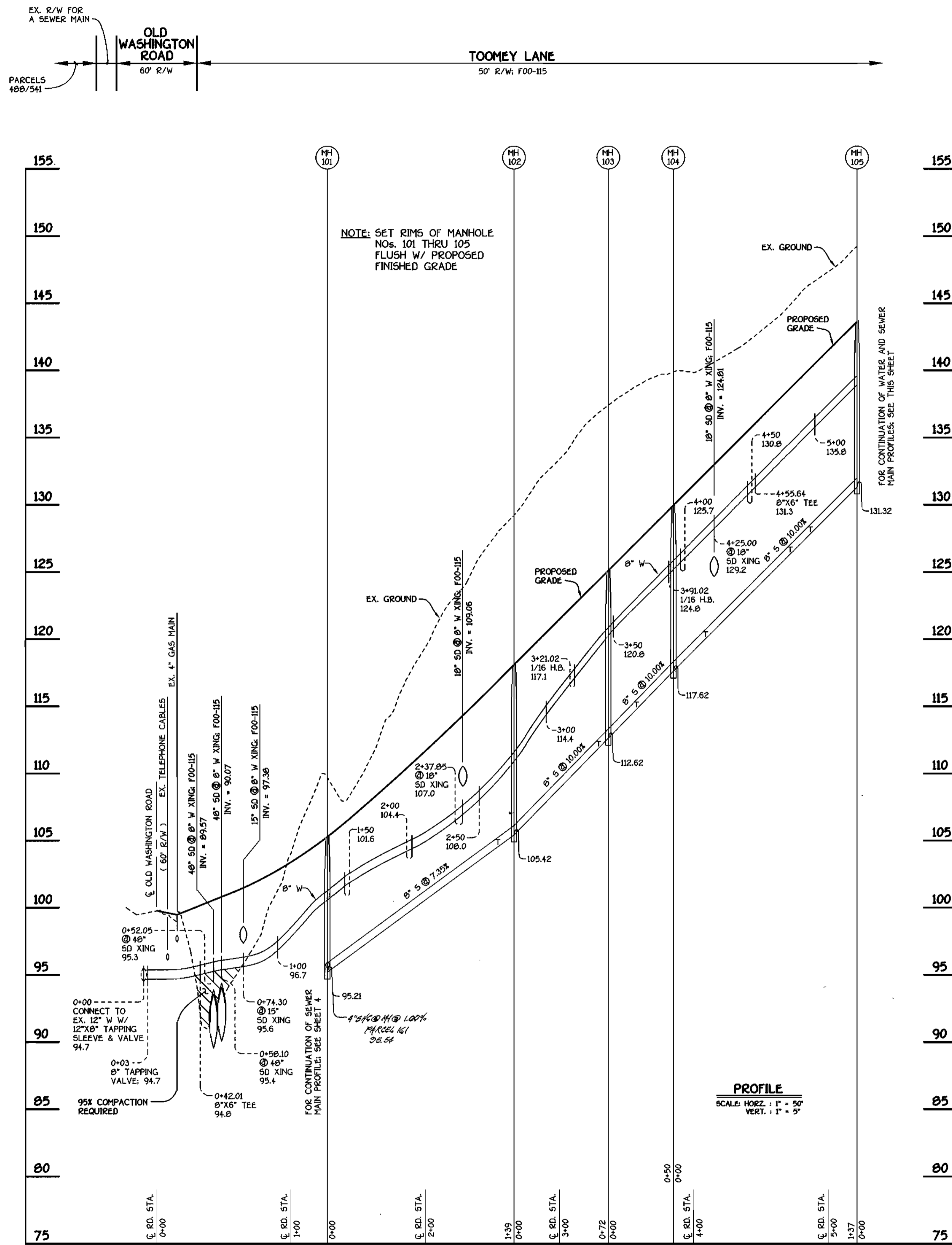
600' SCALE MAP NO. 32 BLOCK NO. 4  
F.C.C. WORK ORDER NO. 6183

FILE NAME: E:\GIS\WATSEV\0313 PLAN SHT 2

CONTRACT NO. 14-3082-D  
WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 23, 31 THRU 41 AND NON-BUILDABLE BULK PARCELS 'B' & 'C'

CONTRACT NO. 14-3082-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 2 OF 4



**TOOMEY LANE: WATER & SEWER MAINS**

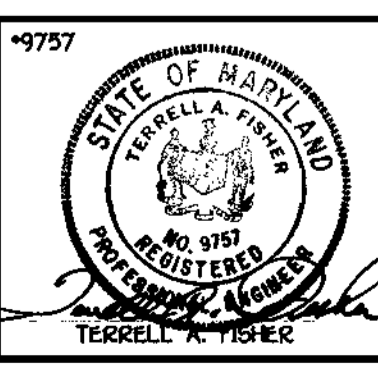
**TOOMEY LANE: WATER & SEWER MAINS**

CONTRACT NO. 14-3082-D  
**WESLEY WOODS**  
 SECTION 1  
 BULK PARCELS 'B' & 'C'  
 CONTRACT NO. 14-3082-D  
 FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 Chief, Bureau of Utilities  
 3-14-00

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
 Chief, Development Engineering Division  
 8/2/00

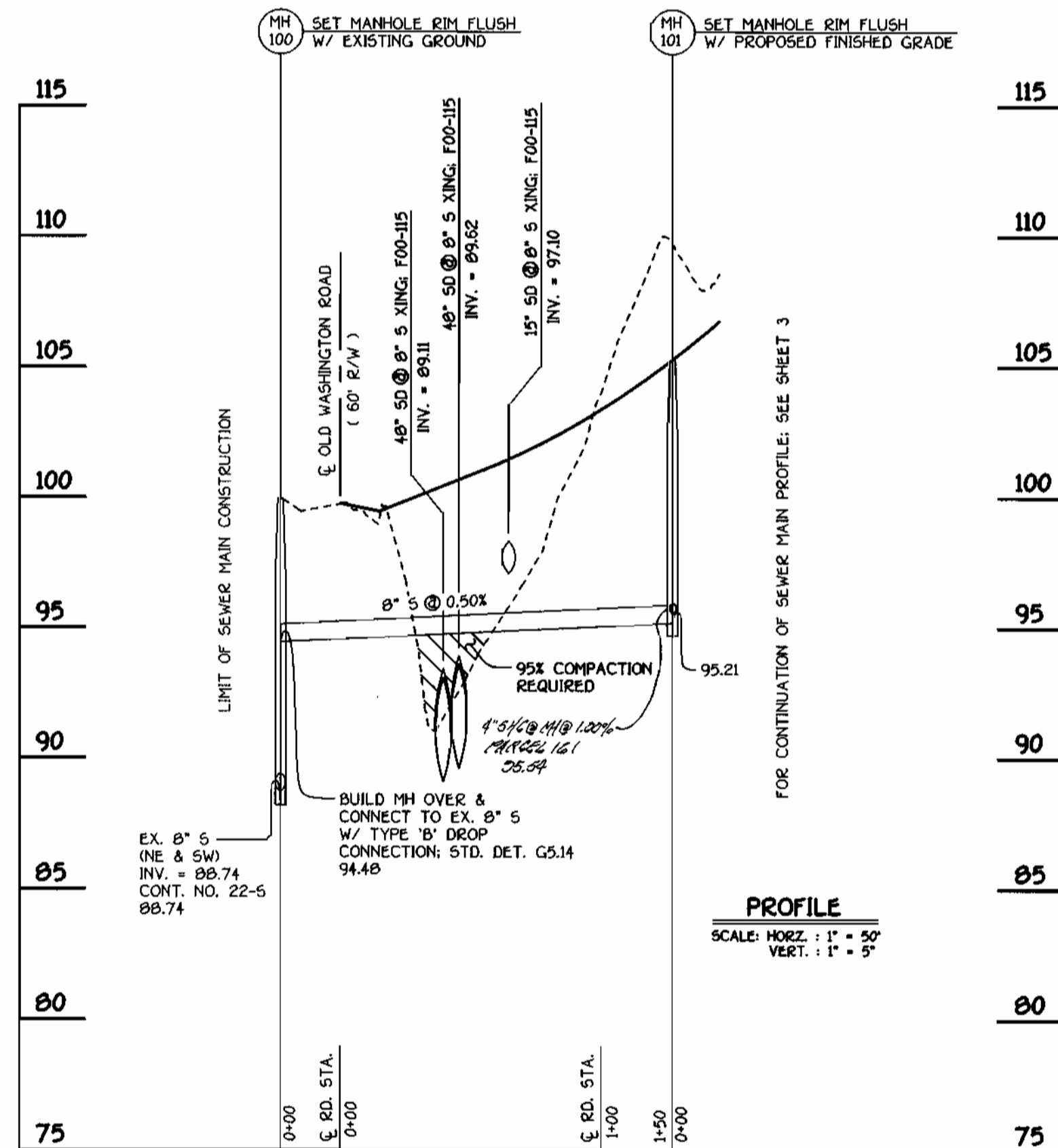
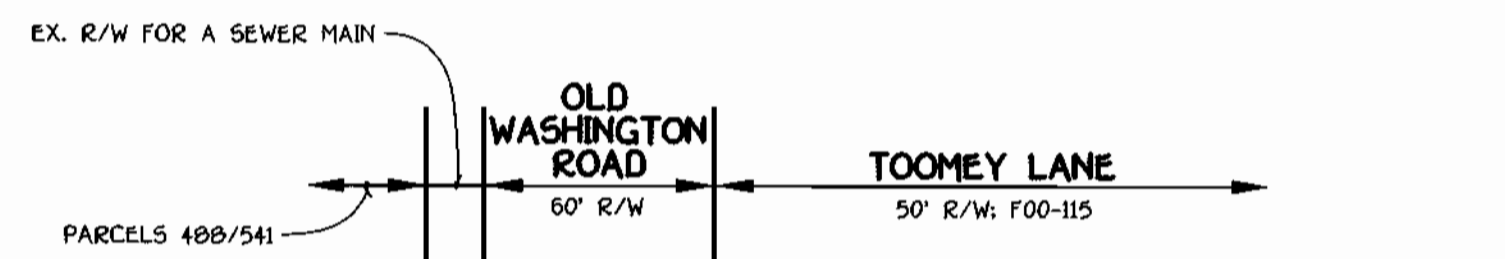
**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLETT CITY, MARYLAND 21742  
 (410) 461-2855



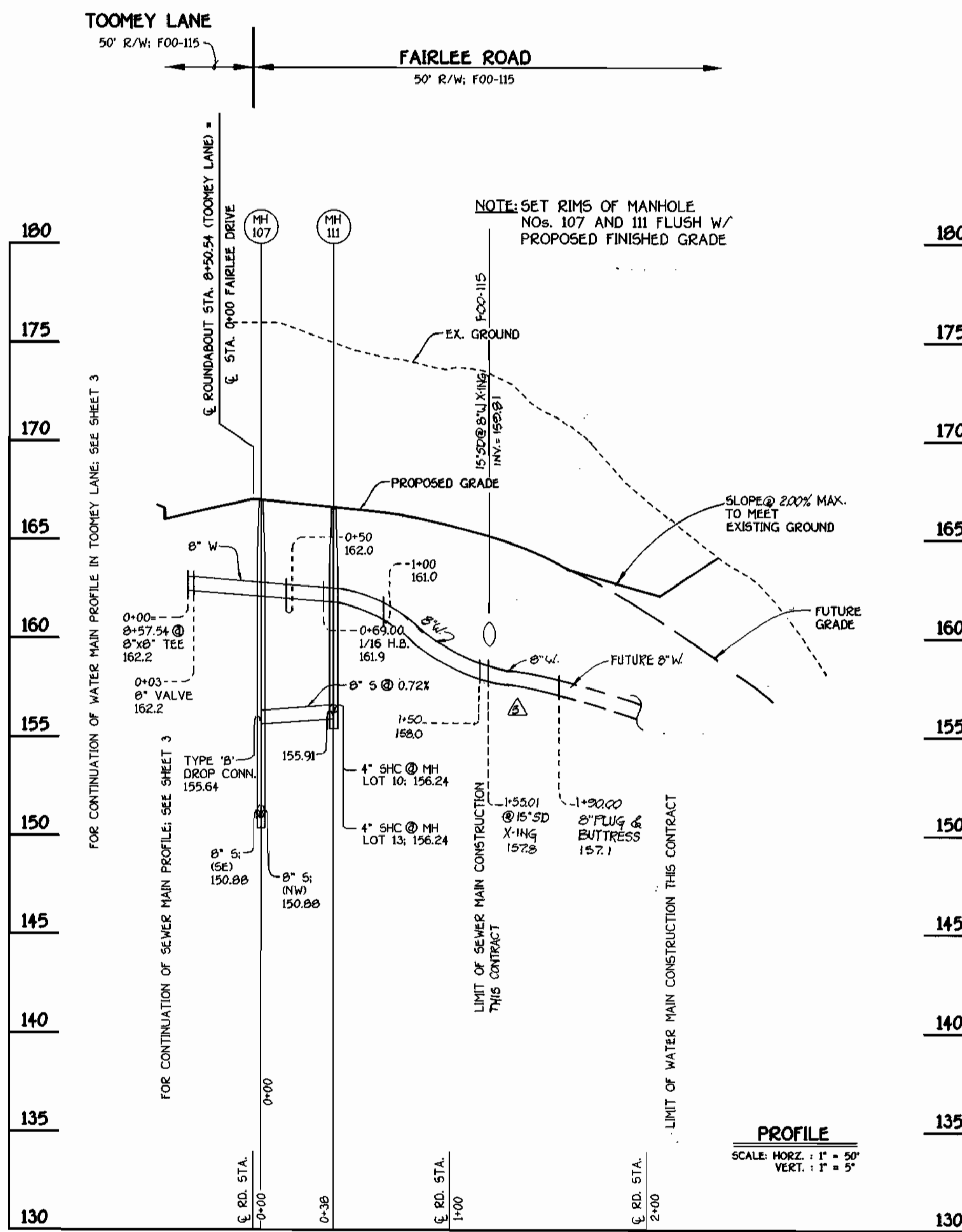
DESIGNED BY:	M.D.T.
DRAWN BY:	M.D.T.
CHECKED BY:	M.D.T.
DATE:	AUGUST, 2000
BY:	NO.
REVISION:	

**PROFILES**  
**WATER AND SEWER MAINS**  
 600 SCALE MAP NO. 30 BLOCK NO. 4  
 F.C.C. WORK ORDER NO. 6013  
 FILE NAME: C:\8113\WATSEW\8113 PROFILES SH1 3

**WESLEY WOODS**  
 SECTION 1  
 BULK PARCELS 'B' & 'C'  
 CONTRACT NO. 14-3082-D  
 FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE AS SHOWN  
 SHEET 3 OF 4



**TOOMEY LANE: SEWER MAIN**



**FAIRLEE ROAD: WATER AND SEWER MAINS**

SHC INVERT @ PROPERTY LINE CHART		
STATION	LOT	ELEVATION
MH 101 TO MH 102		
1+27 LT.	1	105.07
MH 102 TO MH 103		
0+63 LT.	2	112.27
MH 103 TO MH 104		
0+21 LT.	3	115.29
MH 104 TO MH 105		
0+24 LT.	4	120.59
0+07 LT.	5	125.07
1+02 RT.	29	128.59
MH 105 TO MH 106		
0+16 RT.	28 (DHC)	137.08
0+45 LT.	6 (DHC)	139.30
0+75 RT.	27 (DHC)	142.62
1+10 LT.	32	142.96
1+36 RT.	26	144.89
1+93 LT.	33	150.01
MH 106 TO MH 107		
0+08 RT.	25	150.96
0+57 LT.	34 (DHC)	155.42
MH 107 TO MH 108		
1+27 RT.	23 (TYPE 'B' DHC)	157.00
1+27 LT.	38 (TYPE 'B' DHC)	156.78
MH 108 TO MH 109		
0+99 RT.	22 (TYPE 'B' DHC)	156.46
0+99 LT.	39 (TYPE 'B' DHC)	156.34
1+08 LT.	40	152.62
MH 109 TO MH 110		
0+17 RT.	21	152.97
0+56 LT.	41	153.09
1+11 RT.	20	153.69
1+16 LT.	42	153.48
MH 107 TO MH 111		
0+17 RT.	10 (SHC @ MB)	156.90
0+17 LT.	13 (SHC @ MB)	156.86
MH 100 TO MH 101		
0+10 LT.	161 (SHC @ MB)	95.72
MH 100 TO MH 110		
1+56 RT.	43	154.25
MH 107 TO MH 111		
0+11 LT.	25 (SHC @ MB)	156.50
0+11 RT.	37 (SHC @ MB)	156.86

WATER MAIN TABULATION CHART			
WM STATION	APPURTENANCE	ROAD STATION	DISTANCE
TOOMEY LANE			
0+00	12" X 8" TAPPING SLEEVE	-0+09.83	8.43' RT.
0+03	8" TAPPING VALVE	-0+06.83	8.43' RT.
0+41.86	8" X 6" TEE	0+32.01	7.26' RT.
0+45.68	P.C. (CRIMP RADIUS = 380')	0+35.63	7.15' RT.
0+56.32	P.T. (CRIMP RADIUS = 380')	0+46.47	7.00' RT.
3+21.02	1/16 H.B.	3+12.07	4.25' RT.
3+91.02	1/16 H.B.	3+84.16	4.16' RT.
4+55.64	8" X 6" TEE	4+50.76	3.96' RT.
5+37.02	1/16 H.B.	5+29.24	10.79' RT.
8+22.54	1/8 H.B.	8+13.23	8.44' RT.
8+43.66	8" X 6" TEE	8+28.57	22.36' RT.
8+54.54	8" VALVE	8+72.45	24.79' RT.
8+57.54	8" X 8" TEE	8+76.52	22.86' RT.
8+60.54	8" VALVE	8+80.59	20.94' RT.
8+94.63	1/16 H.B.	9+10.04	7.00' RT.
9+75.80	P.C. (CRIMP RADIUS = 380')	9+91.41	7.24' RT.
11+58.26	P.T. (CRIMP RADIUS = 380')	11+76.34	7.00' RT.
12+14.28	P.C. (CRIMP RADIUS = 380')	12+32.35	7.00' RT.
12+33.27	8" X 6" TEE	12+51.19	7.00' RT.
12+91.18	P.T. (CRIMP RADIUS = 380')	13+08.64	7.00' RT.
12+91.18	8" PLUG	13+08.64	7.00' RT.
FAIRLEE ROAD			
0+00	8" X 8" TEE	8+76.52	22.86' RT.
0+03	8" VALVE	8+75.24	20.15' RT.
0+69	1/16 H.B.	0+35.07	18.52' RT.
0+81.68	P.C. (CRIMP RADIUS = 380')	0+47.46	15.81' RT.
1+63.66	P.T. (CRIMP RADIUS = 380')	1+28.81	7.00' RT.
1+90.00	8" PLUG	1+55.00	7.00' RT.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert W. Danner*  
CHIEF, BUREAU OF UTILITIES

3-14-07  
DATE

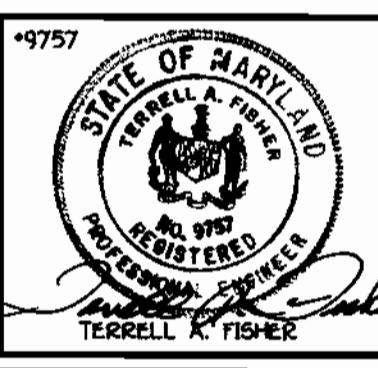
DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

*Robert W. Danner*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

8/21/00  
DATE

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21117  
(410) 481-2855



DESIGNED BY: M.D.T.

DRAWN BY: M.D.T.

CHECKED BY: M.D.T.

DATE: AUGUST, 2000

BY NO. REVISION

**PROFILES**  
**WATER AND SEWER MAINS**

600' SCALE MAP NO. 30 BLOCK NO. 4

F.C.C. WORK ORDER NO. 6113

FILE NAME: E:\S113\WATSEW\6113\PROFILES.SHT.4

**WESLEY WOODS**  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 23, 31, 32 THRU 44 AND NON-BUILDABLE BULK PARCEL 'B'

CONTRACT NO. 14-3082-D  
FIRST ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

SHEET 4 OF 4

CONTRACT NO. 14-3082-D  
WESLEY WOODS  
SECTION 1  
LOTS 1 THRU 6, 20 THRU 23, 31, 32 THRU 44 AND NON-BUILDABLE BULK PARCEL 'B'  
WATER AND SEWER MAIN EXTENSIONS  
HOWARD COUNTY, MARYLAND