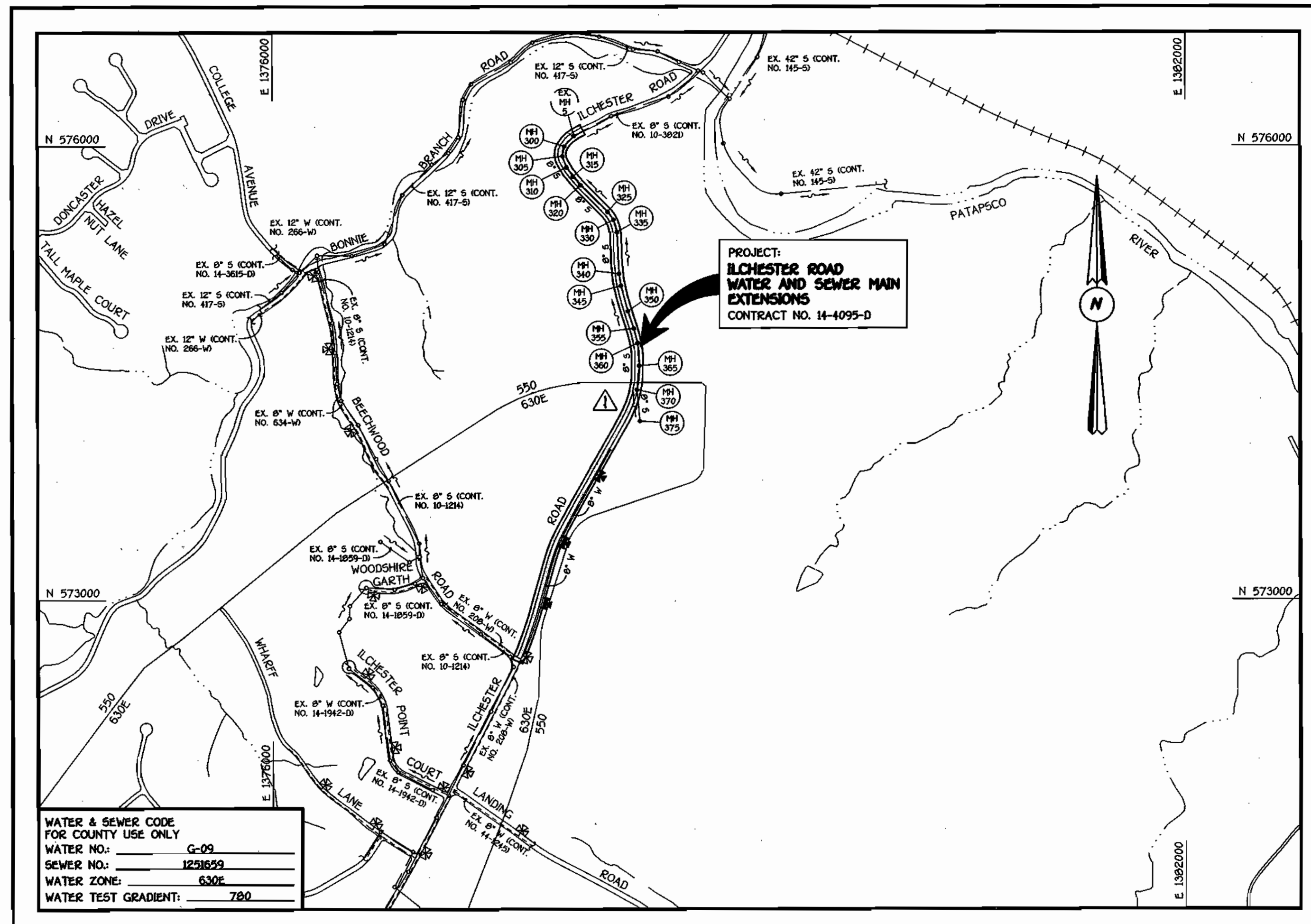


QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER
8" WATER	1,510.00 L.F.			
6" WATER	18 L.F.			
1" WATER	11 L.F.			
FIRE HYDRANTS	3 EACH			
8" SEWER	15,400.00 L.F.			
8" SEWER (D.I.P.)	817.89 L.F.			
MANHOLES	16 EACH			
NAME OF UTILITY CONTRACTOR:				
SURVEY & DRAFTING DIVISION AS-BUILT DATE:				



WATER & SEWER CODE
 FOR COUNTY USE ONLY
 WATER NO.: G-09
 SEWER NO.: 1251659
 WATER ZONE: 630E
 WATER TEST GRADIENT: 780

TYPE OF BUILDING: RESIDENTIAL - SINGLE FAMILY DETACHED
 NUMBER OF LOTS & PARCELS: 1 BUILDABLE
 NO. OF WATER HOUSE CONNECTIONS:
 NO. OF SEWER HOUSE CONNECTIONS: N/A
 DRAINAGE AREA: PATAPSCO
 TREATMENT PLANT: PATAPSCO WASTEWATER TREATMENT PLANT, CITY OF BALTIMORE

VICINITY MAP
 SCALE: 1"=600'

PLAN REFERENCE NUMBERS:
 003-004 (ILCHESTER HILLS)

GENERAL NOTES

- PART I
- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. 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, NAD 83/91.
 - ALL VERTICAL CONTROLS ARE BASED ON NAVD 88.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. 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 BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF THE ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES 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 SITE.
 - WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL \oplus AT THE LOCATIONS OF THE TEST PITS. 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.
 - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - AT&T 1-800-292-1333
 - BCE (CONTRACTOR SERVICES) 410-950-4620
 - BCE (UNDERGROUND DAMAGE CONTROL) 410-787-9068
 - BUREAU OF UTILITIES 410-313-4900
 - COLONIAL PIPELINE CO. 410-799-1990
 - MES UTILITY 1-800-227-7777
 - STATE HIGHWAY ADMINISTRATION 410-531-5533
 - VERIZON 1-800-743-0033/410-224-9210
 - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE 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 THE CONSTRUCTION OF THE MAIN.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410-313-7450) AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(d) OF THE HOWARD COUNTY CODE.
- PART II: WATER
- ALL WATER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
 - TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF 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 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 INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- PART III: SEWER
- 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.
 - FORCE MAINS SHALL BE D.I.P. ONLY.
 - 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 COVER, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - HOUSES WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.

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 THE 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 ASKED, DEEMED NECESSARY.
 Paul W. Keibel FOR: HODGE PROPERTY, L.L.C. 05-23-03
 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. Keibel 05/23/03
 SIGNATURE OF ENGINEER DATE

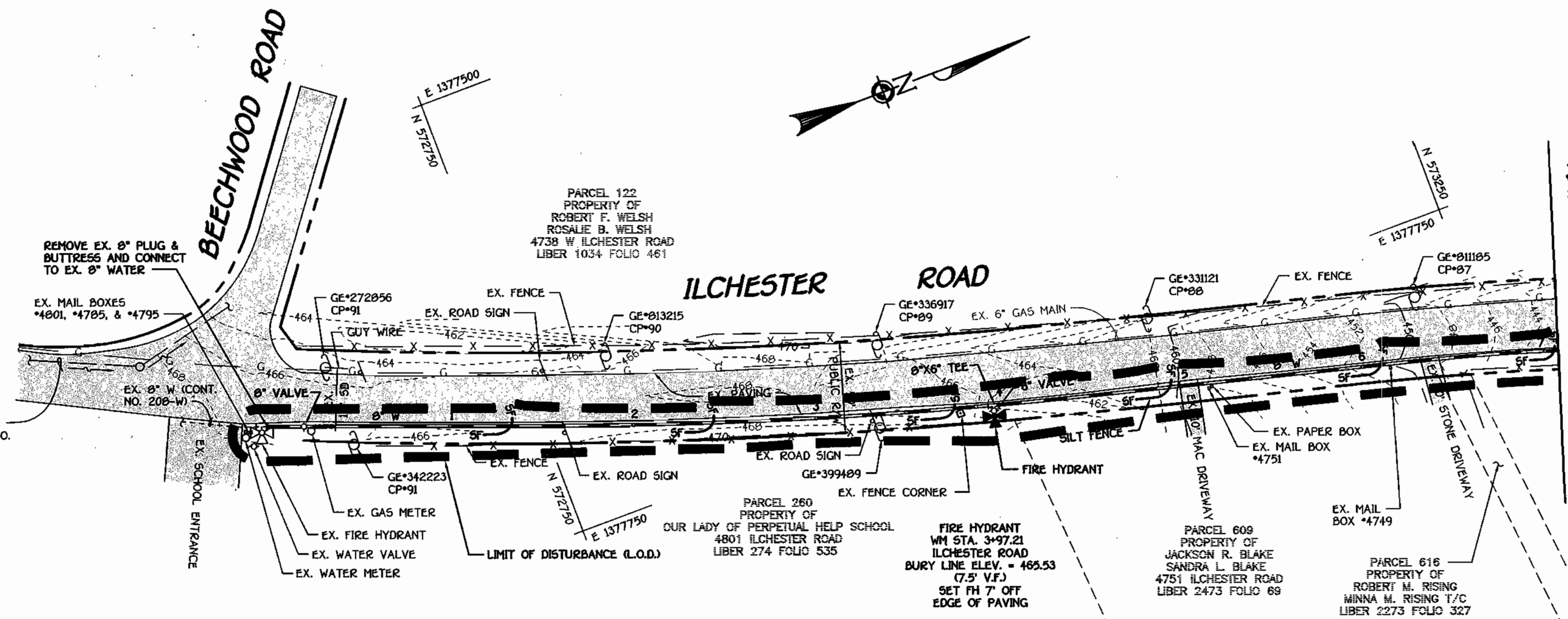
GP-03-61
 REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 Jim Meyer 6/16/03
 U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: John K. Roberts 6/16/03
 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.
 Paul W. Keibel FOR: HODGE PROPERTY, L.L.C. 05-23-03
 SIGNATURE OF DEVELOPER DATE

CONTRACT No. 14-4095-D
 ILCHESTER ROAD
 WATER AND SEWER MAIN
 EXTENSIONS
 HOWARD COUNTY, MARYLAND

CONTRACT NO. 14-4095-D
 ILCHESTER ROAD
 WATER AND SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

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 - 10272 BALTIMORE NATIONAL PIKE BLADENBORO CITY, MARYLAND 20612 410 461 2055	DESIGNED BY: M.D.T. DRAWN BY: M.D.T. CHECKED BY: P.W.K. DATE: MAY, 2003	TERRELL A. FISHER	TITLE SHEET	SCALE AS SHOWN
Rita Berman 5-30-03 CHIEF, BUREAU OF UTILITIES	Paul Dammus 6/16/03 CHIEF, DEVELOPMENT ENGINEERING DIVISION	STATE OF MARYLAND TERRELL A. FISHER REGISTERED PROFESSIONAL ENGINEER NO. 0071	DESIGNED BY: M.D.T. DRAWN BY: M.D.T. CHECKED BY: P.W.K. DATE: MAY, 2003	TERRELL A. FISHER	TITLE SHEET	SCALE AS SHOWN
			CHECKED BY: P.W.K. 6/7/03 DATE: 6/7/03 BY NO. REVISION DATE FILE NAME: FINAL WATER AND SEWER TITLE SHEET	600' SCALE MAP NO. 31 BLOCK NO. 4 & 10 F.C.C. WORK ORDER NO. 540 SHEET 1 of 7		

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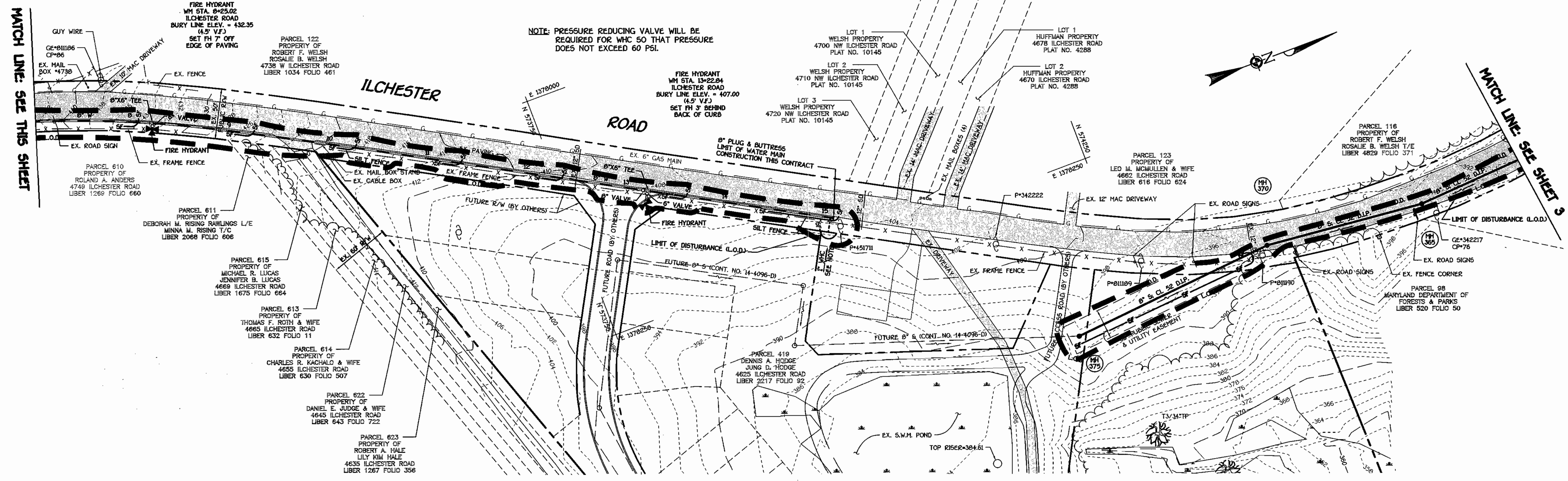
PLAN
SCALE: 1" = 50'

MANHOLE TABULATION CHART				
NO.	€ ROAD STATION	NORTHING	EASTING	RM ELEVATION
300	OUTFALL SEWER MAIN*	575997.22	1377919.42	244.64
305	OUTFALL SEWER MAIN*	575932.40	1377906.96	249.84
310	OUTFALL SEWER MAIN*	575856.75	1377932.63	255.20
315	OUTFALL SEWER MAIN*	575797.36	1377975.72	280.00
320	OUTFALL SEWER MAIN*	575740.12	1378025.72	283.00
325	OUTFALL SEWER MAIN*	575663.89	1378203.04	285.24
330	OUTFALL SEWER MAIN*	575612.02	1378242.21	292.00
335	OUTFALL SEWER MAIN*	575430.08	1378284.79	301.00
340	OUTFALL SEWER MAIN*	575155.41	1378278.33	335.21
345	OUTFALL SEWER MAIN*	575076.33	1378290.42	344.74
350	OUTFALL SEWER MAIN*	574907.22	1378335.45	366.00
355	OUTFALL SEWER MAIN*	574793.95	1378375.08	379.38
360	OUTFALL SEWER MAIN*	574697.26	1378400.57	388.62
365	OUTFALL SEWER MAIN*	574547.60	1378410.74	395.00
370	OUTFALL SEWER MAIN*	574386.71	1378395.36	394.61
375	OUTFALL SEWER MAIN**	574181.36	1378444.68	395.50

* SET MH RIMS FLUSH W/ EXISTING PAVING
** SET MH RIM FLUSH W/ EXISTING GROUND

NOTE: TRENCHING OPERATIONS SHALL BE LIMITED TO THAT WHICH CAN BE BACKFILLED AND STABILIZED IN ONE WORKING DAY.

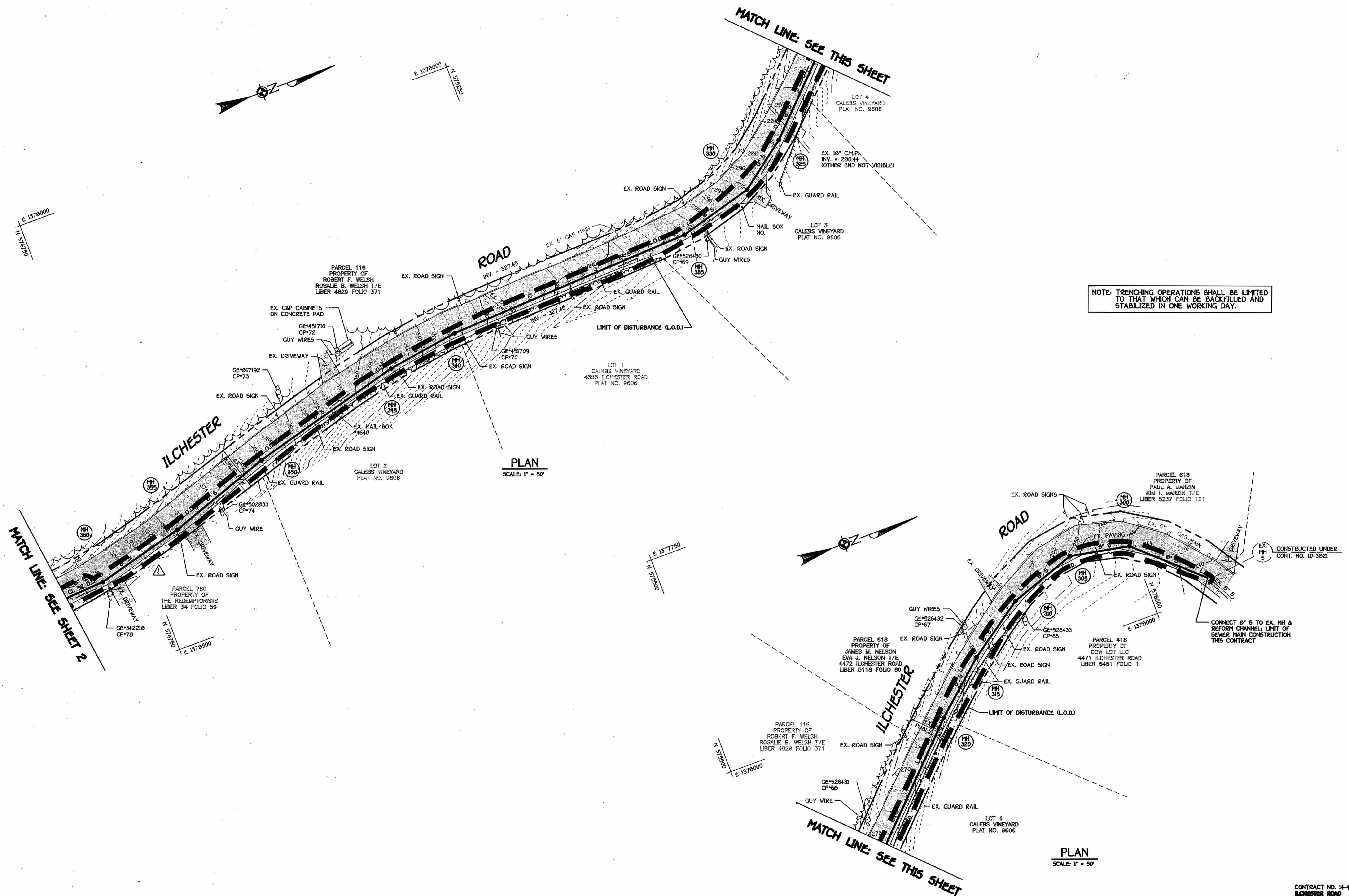
SEE SHEET 4 OF 6 FOR WATER MAIN TABULATION CHART



PLAN
SCALE: 1" = 50'

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND R. H. Bump CHIEF, BUREAU OF UTILITIES 5-30-03 DATE	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND [Signature] CHIEF, DEVELOPMENT ENGINEERING DIVISION 6/12/03 DATE	FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTRAL SQUARE OFFICE PARK - 30772 BALTIMORE NATIONAL PIKE ELICOTT CITY, MARYLAND 21842 (410) 481-2955 [Seal] TERRELL A. FISHER	DESIGNED BY: M.D.T. DRAWN BY: M.D.T. CHECKED BY: P.W.K. DATE: MAY, 2003 BY NO. _____ REVISION _____ DATE _____	WATER AND SEWER MAINS PLAN VIEW 600' SCALE MAP NO. 31 BLOCK NO. 4 & 10 F.C.C. WORK ORDER NO. 540 FILE NAME: FINAL WATER AND SEWER MAINS PLAN SHT 2	ILCHESTER ROAD WATER AND SEWER MAIN EXTENSIONS CONTRACT NO. 14-4095-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE AS SHOWN SHEET 2 of 7
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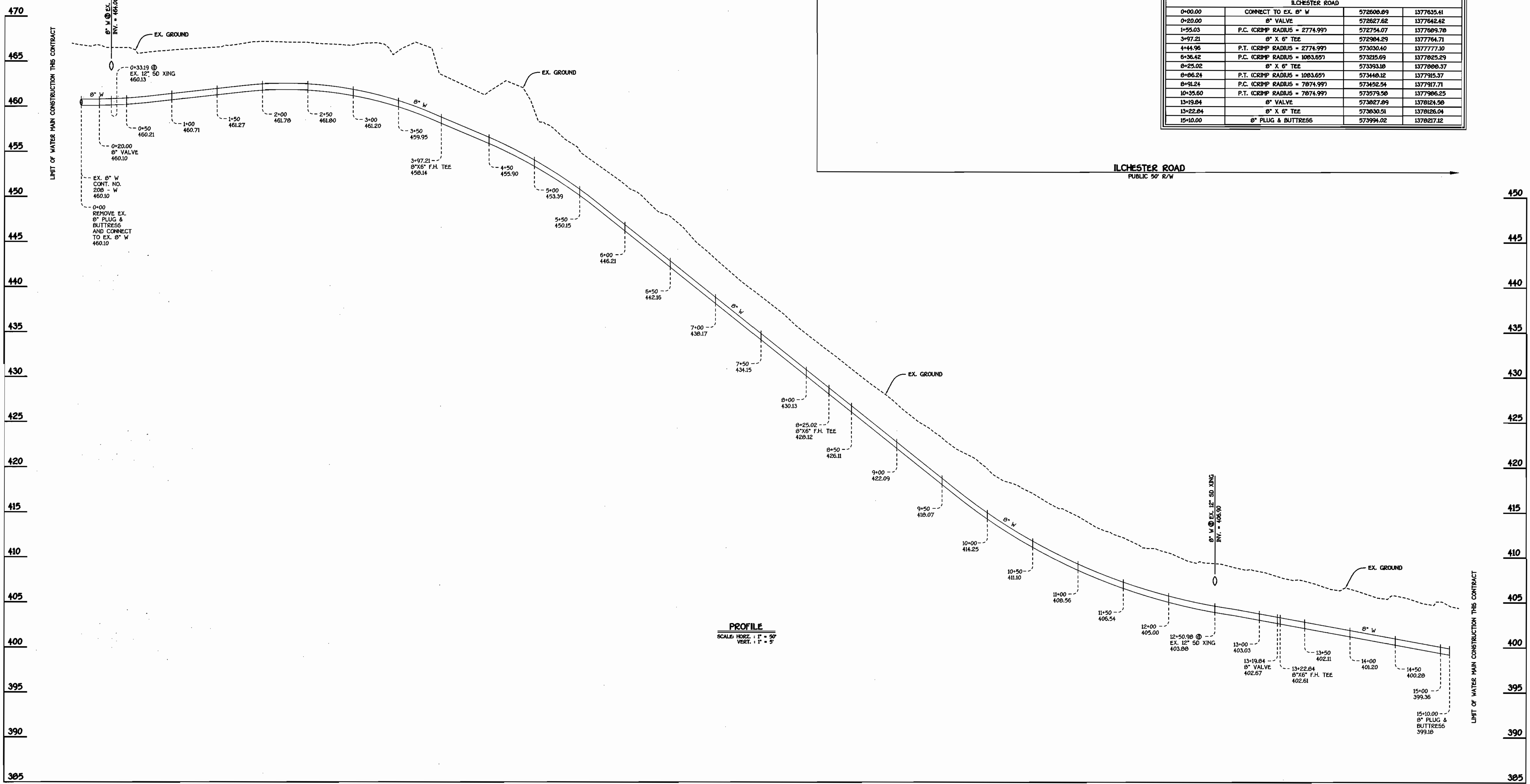
K:\SD\PROJ\540 Hodge Property\540 Final Water and Sewer Plan New Alignment_5/23/2003 10:30:19 AM

<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>RLH</i> CHIEF, BUREAU OF UTILITIES</p>	<p>DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND</p> <p><i>AD</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION</p>	<p>9757</p> <p>TERRELL A. FISHER</p>	<p>DESIGNED BY: M.D.T.</p> <p>DRAWN BY: M.D.T.</p> <p>CHECKED BY: P.W.K.</p> <p>DATE: MAY, 2003</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>NO.</td> <td>REVISION</td> <td>DATE</td> </tr> <tr> <td>1</td> <td>DELETE USE OF D.U.F., MH 325 TO 360</td> <td>6/7/03</td> </tr> </table>	NO.	REVISION	DATE	1	DELETE USE OF D.U.F., MH 325 TO 360	6/7/03	<p style="text-align: center;">SEWER MAIN PLAN VIEW</p> <p>600' SCALE MAP NO. 31 BLOCK NO. 4 810 F.C.C. WORK ORDER NO. 540</p> <p>FILE NAME: FINAL SEWER MAIN PLAN SH1 3</p>	<p style="text-align: center;">ILCHESTER ROAD WATER AND SEWER MAIN EXTENSIONS</p> <p style="text-align: center;">CONTRACT NO. 14-4095-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p>	<p>SCALE AS SHOWN</p> <p>SHEET 3 of 7</p>
NO.	REVISION	DATE											
1	DELETE USE OF D.U.F., MH 325 TO 360	6/7/03											
<p>5-30-03 DATE</p>		<p>6/12/03 DATE</p>											

ILCHESTER ROAD
PUBLIC 50' R/W

SEE WATER MAIN TABULATION CHART THIS SHEET.

WATER MAIN TABULATION CHART			
W.M. STATION	APPURTENANCE	NORTHING	EASTING
ILCHESTER ROAD			
0+00.00	CONNECT TO EX. 8" W	572606.89	1377635.41
0+20.00	8" VALVE	572627.62	1377642.42
1+55.03	P.C. (CRMP RADIUS = 2774.99')	572754.07	1377689.78
3+97.21	8" X 6" TEE	572984.29	1377764.71
4+44.96	P.T. (CRMP RADIUS = 2774.99')	573030.40	1377777.30
6+36.42	P.C. (CRMP RADIUS = 1083.65')	573215.69	1377825.29
8+25.02	8" X 6" TEE	573393.18	1377888.37
8+66.24	P.T. (CRMP RADIUS = 1083.65')	573448.12	1377915.37
8+91.24	P.C. (CRMP RADIUS = 7874.99')	573452.54	1377917.71
10+35.60	P.T. (CRMP RADIUS = 7874.99')	573579.58	1377986.25
13+19.84	8" VALVE	573827.89	1378124.58
13+22.84	8" X 6" TEE	573830.51	1378126.04
15+10.00	8" PLUG & BUTTRESS	573994.02	1378217.12



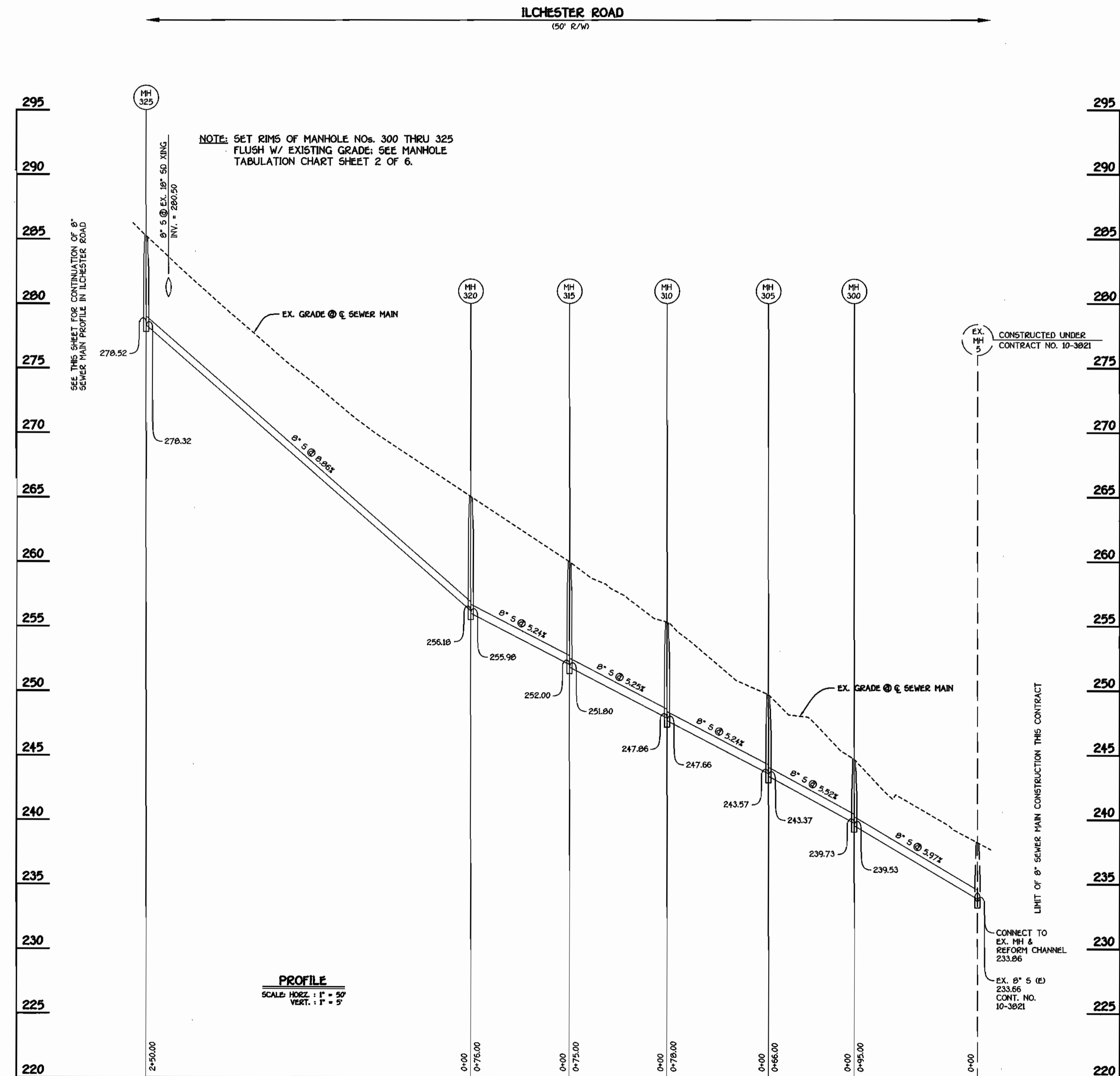
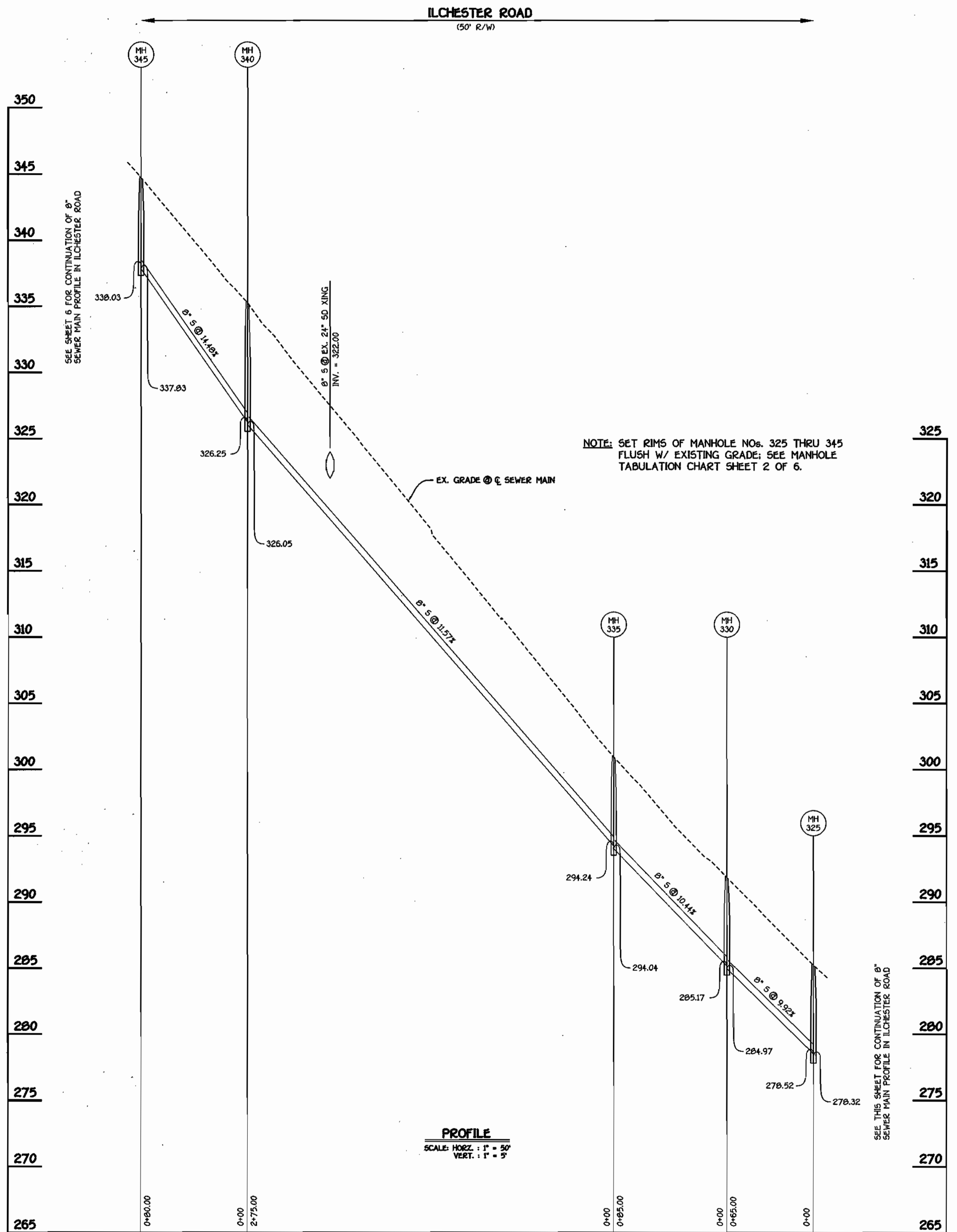
PROFILE
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'

8" WATER MAIN: ILCHESTER ROAD

CONTRACT NO. 14-4095-D
ILCHESTER ROAD
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND R. H. B... CHIEF, BUREAU OF UTILITIES DATE: 5-30-03	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND [Signature] CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 6/12/03	FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS 1009 44 - 2925 TERRELL A. FISHER	DESIGNED BY: M.D.T.	WATER MAIN PROFILE	ILCHESTER ROAD WATER AND SEWER MAIN EXTENSIONS CONTRACT NO. 14-4095-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 4 of 7
			DRAWN BY: M.D.T.			
		CHECKED BY: P.M.K.	DATE: MAY, 2003	BY NO.	REVISION	DATE

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8" SEWER MAIN: ILCHESTER ROAD

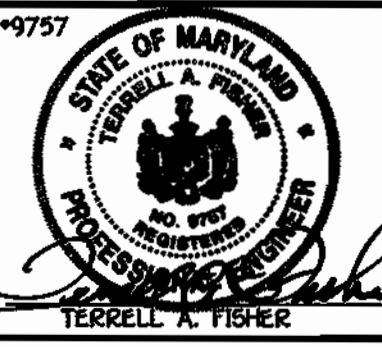
8" SEWER MAIN: ILCHESTER ROAD

CONTRACT NO. 14-4095-D
 ILCHESTER ROAD
 WATER AND SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 R. H. ...
 5-30-07

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 ...
 6/12/07

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10222 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 410-484-2895



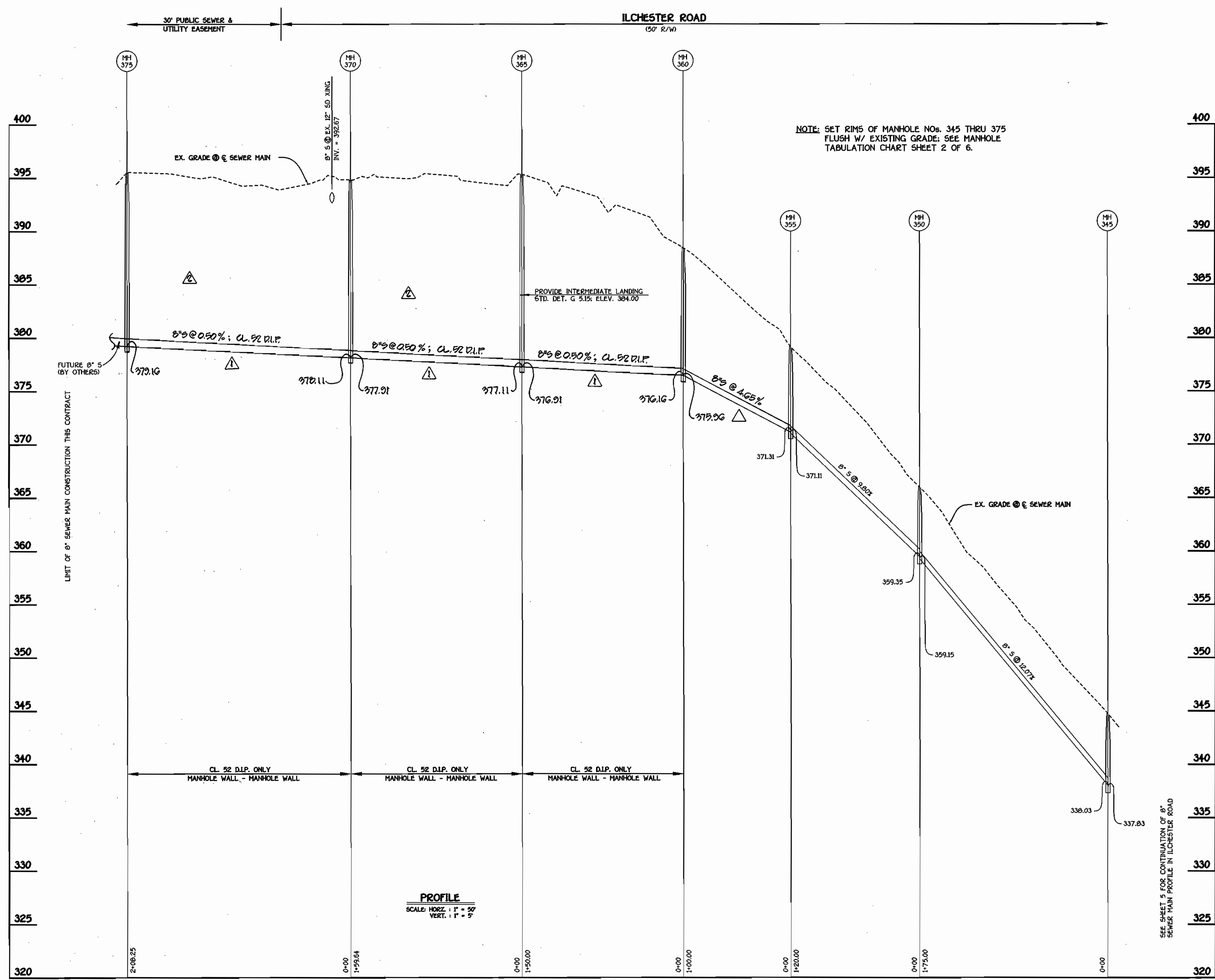
DESIGNED BY: M.D.T.
 DRAWN BY: M.D.T.
 CHECKED BY: P.W.K.
 DATE: MAY, 2003

SEWER MAIN PROFILE
 600' SCALE MAP NO. 31 BLOCK NO. 4 & 10
 F.C.C. WORK ORDER NO. 540
 FILE NAME: FINAL SEWER MAIN PROFILE SHT 5

ILCHESTER ROAD
 WATER AND SEWER MAIN EXTENSIONS
 CONTRACT NO. 14-4095-D
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 5 OF 7

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NOTE: SET RIMS OF MANHOLE NOS. 345 THRU 375 FLUSH W/ EXISTING GRADE; SEE MANHOLE TABULATION CHART SHEET 2 OF 6.

8" SEWER MAIN: ILCHESTER ROAD

CONTRACT NO. 14-4095-D
ILCHESTER ROAD
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND R. H. B... 5-30-03 CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND [Signature] 6/12/03 CHIEF, DEVELOPMENT ENGINEERING DIVISION
--	---

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTONAL SQUARE OFFICE PARK - 18272 BALTIMORE NATIONAL PKWY
 ELKROTT CITY, MARYLAND 21042
 (410) 466-2000

STATE OF MARYLAND
 TERRILL A. FISHER
 PROFESSIONAL SURVEYOR

DESIGNED BY:	M.D.T.	
DRAWN BY:	M.D.T.	
CHECKED BY:	P.W.K.	6/7/03
DATE:	MAY, 2003	6/7/03
BY NO.		

REVISION	DATE
DELETE INTERMEDIATE LANDING @ MH	6/7/03
REVISE SEWER MAIN PROFILE, MH 395 TO MH 375	6/7/03

SEWER MAIN PROFILE

600' SCALE MAP NO. 31 BLOCK NO. 4 & 10
 F.C.C. WORK ORDER NO. 540
 FILE NAME: FINAL SEWER MAIN PROFILE SHT 6

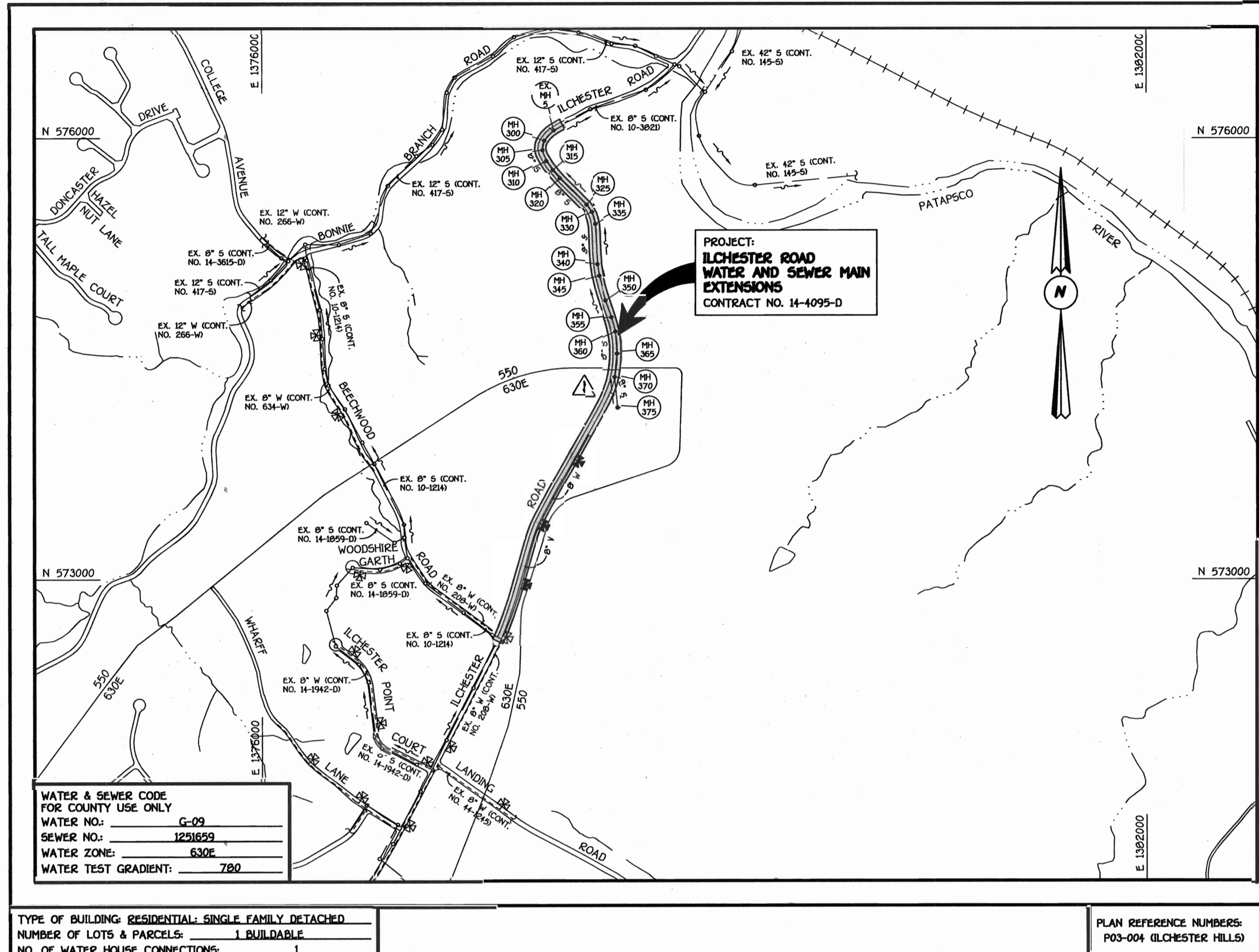
**ILCHESTER ROAD
 WATER AND SEWER MAIN EXTENSIONS**
 CONTRACT NO. 14-4095-D
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE
AS
SHOWN

SHEET
6 of 7

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QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER
8" WATER	1,510.00 LF.	1,510	DIP CL-52	BELAIR RD SUPPLY
6" WATER	18 LF.	8 LF.	DIP CL-52	BELAIR RD SUPPLY
1" WATER	11 LF.		TYPE-K	BELAIR RD SUPPLY
FIRE HYDRANTS	3 EACH	3EA.	G" F.H.V	BELAIR RD SUPPLY
8" SEWER (D.I.P.)	1540.00 LF.	1,488 LF.	SDR-26	BELAIR RD SUPPLY
8" SEWER (D.I.P.)	517.89 LF.		DIP CL-52	BELAIR RD SUPPLY
MANHOLES	16 EACH	16EA.	SAN M.H	ATLANTIC CONC.
NAME OF UTILITY CONTRACTOR: CO. SELITINO CONTRACTING CO.				
SURVEY & DRAFTING DIVISION AS-BUILT DATE: 1/1/04				



GENERAL NOTES

- PART I**
- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
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 - ALL VERTICAL CONTROLS ARE BASED ON NAVD 86.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
 - CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. 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 BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF THE ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES 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 SITE.
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 - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 AT&T 1-800-252-1134
 BGE (CONTRACTOR SERVICES) 410-850-4620
 BGE (UNDERGROUND DAMAGE CONTROL) 410-787-9068
 BUREAU OF UTILITIES 410-313-4900
 COLONIAL PIPELINE CO 410-797-3999
 MISS UTILITY 1-800-257-7777
 STATE HIGHWAY ADMINISTRATION 410-531-5533
 VERIZON 1-800-743-0033/410-224-9210
 - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE 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 THE CONSTRUCTION OF THE MAIN.
 - THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)-313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.
- PART II: WATER**
- ALL WATER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
 - TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF 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 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 INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- PART III: SEWER**
- 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.
 - FORCE MAINS SHALL BE D.I.P. ONLY.
 - MANHOLES SHOWN WITH 12" AND 18" WALLS ARE FOR BRICK MANHOLES ONLY.
 - MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL C552. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - HOUSES WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.

DEVELOPER'S CERTIFICATION
 I/WE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR 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 THE 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.
 Paul W. Kriebel FOR: HODGE PROPERTY, L.L.C. 05-23-03
 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. Kriebel 05/23/03
 SIGNATURE OF ENGINEER DATE

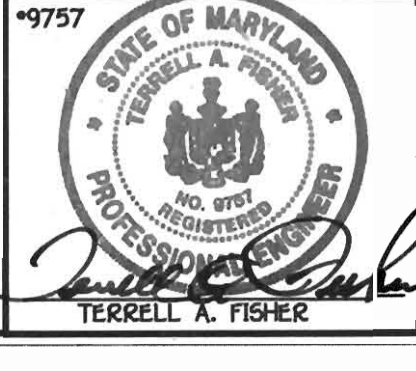
GP-03-61
 REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 Jim Myer 6/16/03
 U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: John K. Robertson 6/16/03
 HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 239 OF THE HOWARD COUNTY DESIGN MANUAL & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND AS SHOWN ON THESE PLANS.
 Paul W. Kriebel FOR: HODGE PROPERTY, L.L.C. 05-23-03
 SIGNATURE OF DEVELOPER DATE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 5-30-03 DATE

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 6/16/03 DATE

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRONAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2055



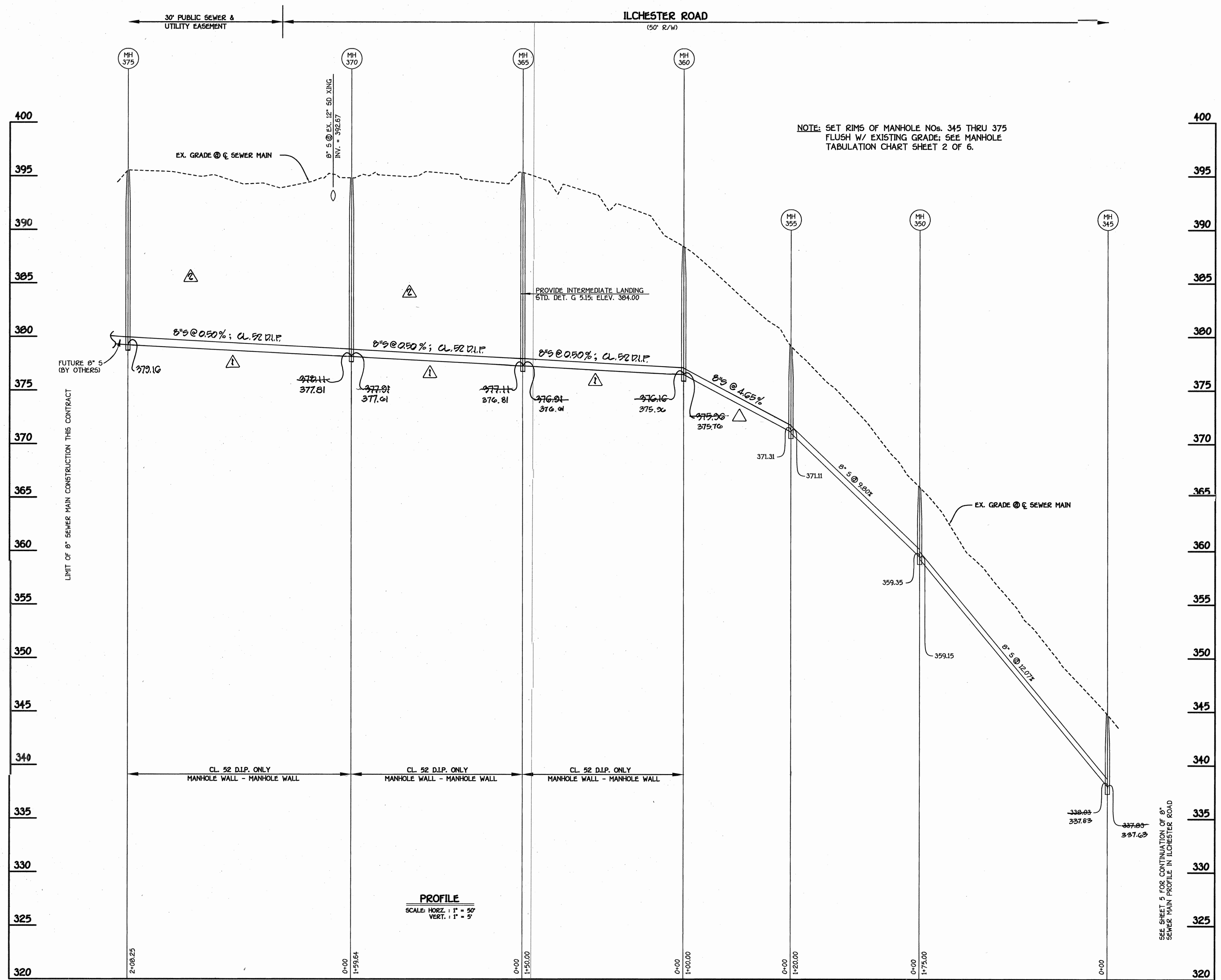
DESIGNED BY:	M.D.T.		
DRAWN BY:	M.D.T.		
CHECKED BY:	P.M.K.	REVISION	DATE
DATE:	MAY, 2003	1	6/16/03
BY:	NO.	2	6/7/03
		3	6/7/03
		4	6/7/03

TITLE SHEET	
60' SCALE MAP NO. 31	BLOCK NO. 4 & 10
F.C.C. WORK ORDER NO. 540	
FILE NAME:	FINAL WATER AND SEWER TITLE SHIT

ILCHESTER ROAD
 WATER AND SEWER MAIN EXTENSIONS
 CONTRACT NO. 14-4095-D
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 1 OF 7

CONTRACT No. 14-4095-D
 ILCHESTER ROAD
 WATER AND SEWER MAIN
 EXTENSIONS
 HOWARD COUNTY, MARYLAND



8" SEWER MAIN: ILCHESTER ROAD

CONTRACT NO. 14-4095-D
ILCHESTER ROAD
WATER AND SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

FISHER, COLLINS & CARTER, INC.
2001 HANCOCK ROAD, SUITE 200, ELKTON, MD 21921
TEL: 410-391-7700 FAX: 410-391-7701



DESIGNED BY:	M.D.T.		
DRAWN BY:	M.D.T.		
CHECKED BY:	P.W.K.	07/02	07/02
DATE:	MAY, 2003		
REVISION			

SEWER MAIN PROFILE	
DATE	07/02
F.C.C. WORK ORDER NO.	540
FINAL SEWER MAIN PROFILE SHEET	

ILCHESTER ROAD
WATER AND SEWER MAIN EXTENSIONS
CONTRACT NO. 14-4095-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 6 OF 7

K:\SOS\PROJ\1540\Hodge Property\Hydro\1540 Final Sewer Main Profiles SH15 & 6 New Align.dwg, 5/23/2003 10:23:51 AM