

QUANTITIES				
ITEM	ESTIMATED	QUANTITIES	TYPE	SUPPLIER
8" SEWER D.I.P.	524.25 L.F.	515 L.F.	DIP CL. 52	ATLANTIC STATES
4" SEWER	124 L.F.	178 L.F.	PVC SPR-35	BELAIR RD. SUPPLY/JMM
MANHOLES	3 EACH	3 EACH	CONC. PRECAST	ATLANTIC CONC. PRECAST
8" WATER	74.00 L.F.	74 L.F.	DIP CL. 52	BELAIR RD. SUPPLY/ATLANTIC
6" WATER	45.09 L.F.	437 L.F.	DIP CL. 52	"
1" W.C.	22 L.F.	114 L.F.	K-COPPER	"
FIRE HYDRANT	1 EACH			"CAM&G LEE
12" X 8" TAPPING SLEEVE & VALVE	1 EACH	1 EACH	MUELLER	"
8" X 6" TEE	1 EACH	1 EACH	MJ	"
6" VALVE	1 EACH	1 EACH	MUELLER & VALVE	"
8" X 6" REDUCER	1 EACH	1 EACH	MJ	"
8" PLUG & BUTTRESS	1 EACH	1 EACH	MJ	"

NAME OF UTILITY CONTRACTOR: MARTIN CONSTRUCTION
SURVEY & DRAFTING DIVISION AS-BUILT DATE: JUNE 2005

SHC INVERT @ PROPERTY LINE CHART		
STATION	LOT	ELEVATION
	MH 300 TO MH 305	
0+82 RT. (DHC)	LOT 1 (CURRAN PROPERTY)	355.60
0+95 LT. (DHC)	EXISTING DWELLING	358.90
	MH 305 TO MH 310	
0+33 RT.	LOT 2 (CURRAN PROPERTY)	353.39
1+59 RT.	LOT 3 (CURRAN PROPERTY)	354.13
@ MH 310 RT.	LOT 4 (CURRAN PROPERTY)	355.07
	MH 300 TO MH 305	
2+23 LT.	LOT 2: CARTER'S CROSSING	358.90
	MH 305 TO MH 310	
0+20 LT.	LOT 3: CARTER'S CROSSING	357.90
2+11 LT.	LOT 4: CARTER'S CROSSING	354.13

BENCHMARK INFORMATION	
B.M.#1 - HOWARD COUNTY CONTROL STATION *378A N 563,795.82 E 1,376,343.17 ELEVATION = 394.79	
B.M.#2 - HOWARD COUNTY CONTROL STATION *378B N 563,653.42 E 1,378,040.47 ELEVATION = 373.82	

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 ARE DEEMED NECESSARY.

Paul W. Keibel, FOR:
LAND DESIGN & DEVELOPMENT, INC. 05-06-04
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
SIGNATURE OF ENGINEER 05-06-04
DATE

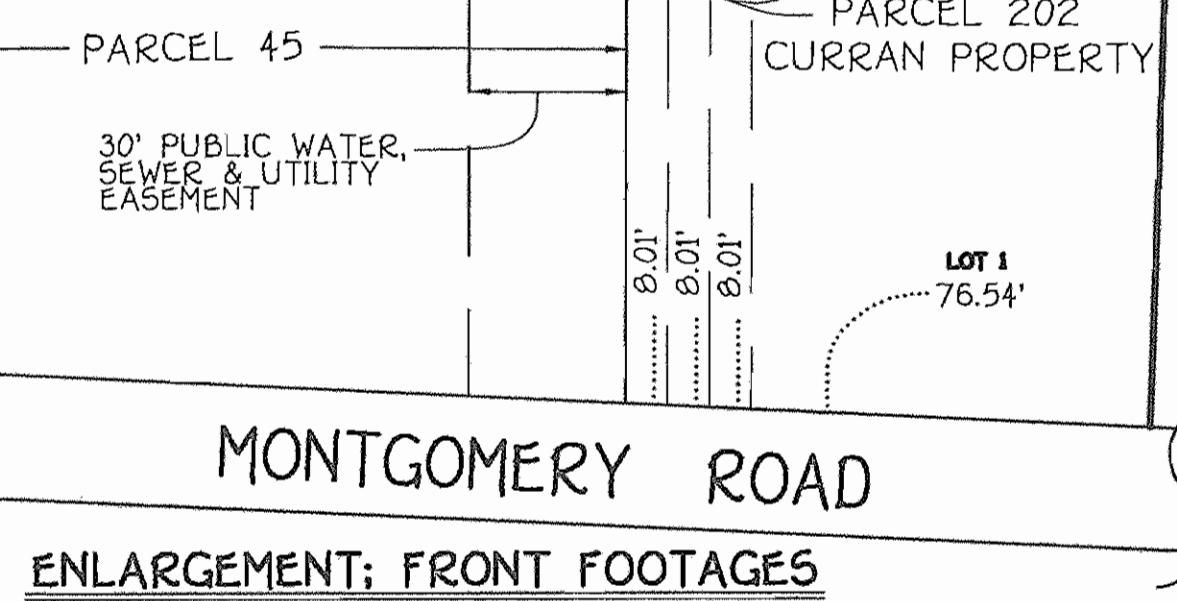
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Morgan, U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE, DATE: 5/20/04

APPROVED: John K. Blanton, HOWARD SOIL CONSERVATION DISTRICT, DATE: 5/20/04

SEDMIMENT 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:
LAND DESIGN & DEVELOPMENT, INC. 05-06-04
SIGNATURE OF DEVELOPER DATE



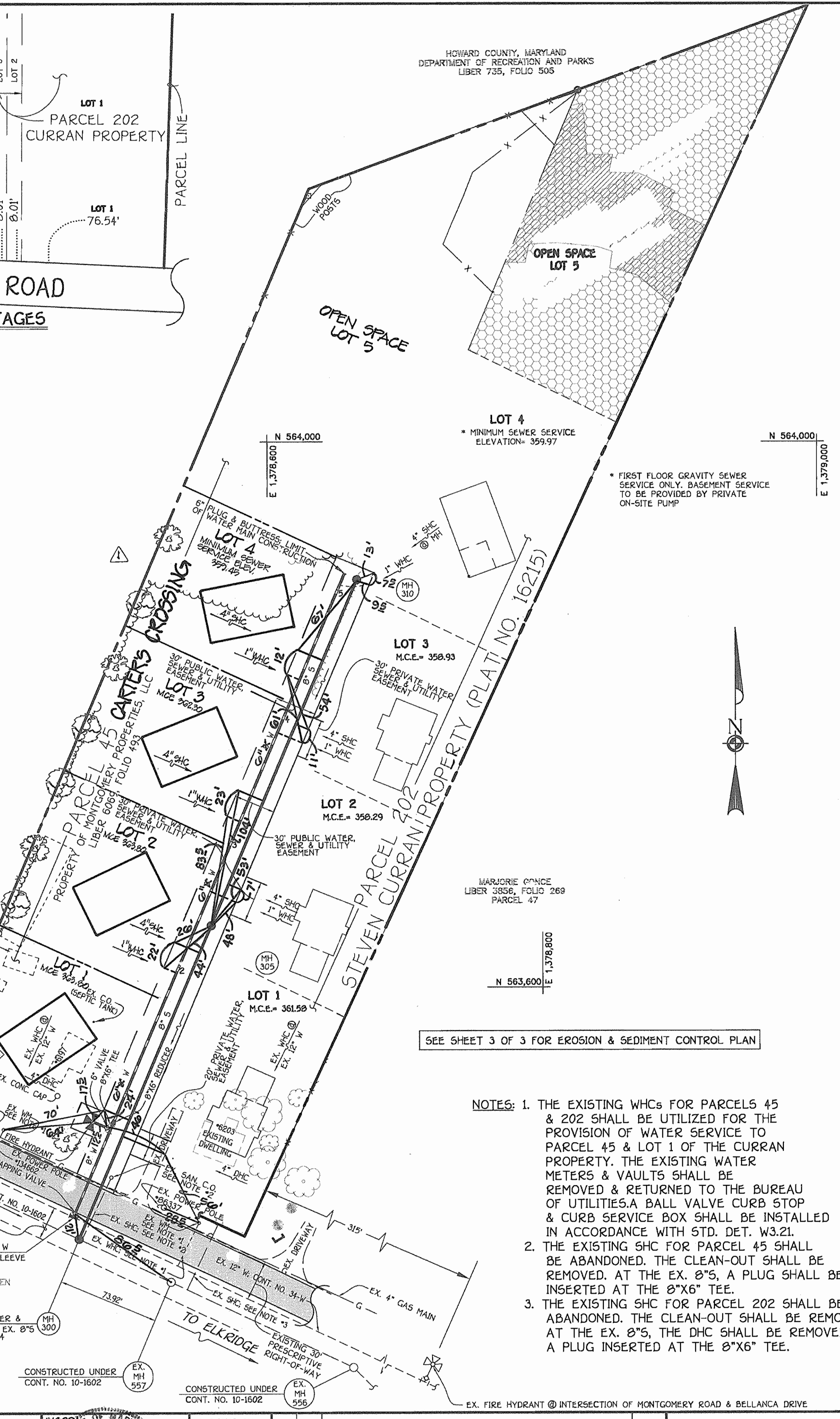
MONTGOMERY ROAD ENLARGEMENT; FRONT FOOTAGES
NO SCALE

SEE SHEET 2 OF 3 FOR WATER MAIN TABULATION CHART & MANHOLE TABULATION CHART

PROPERTY OF HOWARD COUNTY, MARYLAND
DEPARTMENT OF RECREATION AND PARKS
LIBER 735, FOLIO 505
PARCEL 235

M STA. 0+70
FIRE HYDRANT
BURY LINE ELEV. = 368.00
6.0' V.I.
SET FH 9' OFF
EDGE OF PAVING

PLAN SCALE: 1" = 50'



HOWARD COUNTY, MARYLAND
DEPARTMENT OF RECREATION AND PARKS
LIBER 735, FOLIO 505

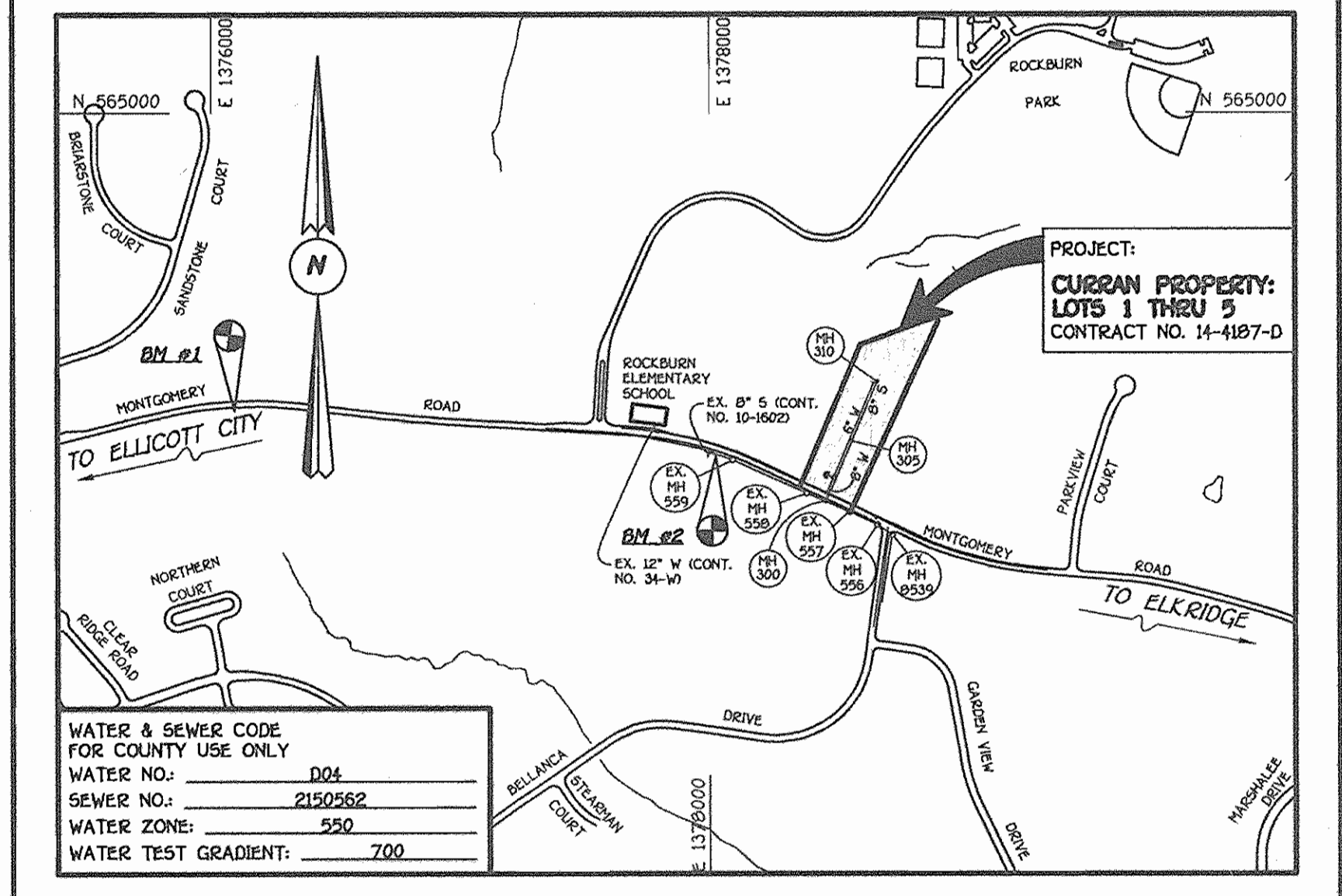
LOT 4 * MINIMUM SEWER SERVICE ELEVATION = 359.97

* FIRST FLOOR GRAVITY SEWER SERVICE ONLY. BASEMENT SERVICE TO BE PROVIDED BY PRIVATE ON-SITE PUMP

MARJORIE 6" NANCE
LIBER 3856, FOLIO 269
PARCEL 47

SEE SHEET 3 OF 3 FOR EROSION & SEDIMENT CONTROL PLAN

- NOTES:**
- THE EXISTING WHCs FOR PARCELS 45 & 202 SHALL BE UTILIZED FOR THE PROVISION OF WATER SERVICE TO PARCEL 45 & LOT 1 OF THE CURRAN PROPERTY. THE EXISTING WATER METERS & VAULTS SHALL BE REMOVED & RETURNED TO THE BUREAU OF UTILITIES. A BALL VALVE CURB STOP & CURB SERVICE BOX SHALL BE INSTALLED IN ACCORDANCE WITH STD. DET. W.31.
 - THE EXISTING SHC FOR PARCEL 45 SHALL BE ABANDONED. THE CLEAN-OUT SHALL BE REMOVED. AT THE EX. 8" S, A PLUG SHALL BE INSERTED AT THE 8"X6" TEE.
 - THE EXISTING SHC FOR PARCEL 202 SHALL BE ABANDONED. THE CLEAN-OUT SHALL BE REMOVED. AT THE EX. 8" S, THE DHC SHALL BE REMOVED & A PLUG INSERTED AT THE 8"X6" TEE.



WATER & SEWER CODE FOR COUNTY USE ONLY	
WATER NO.:	004
SEWER NO.:	2150562
WATER ZONE:	550
WATER TEST GRADIENT:	700

TYPE OF BUILDING: RESIDENTIAL (SINGLE FAMILY DETACHED)	
NUMBER OF LOTS:	10 (2 BUILDABLE)
NO. OF WATER HOUSE CONNECTIONS:	2
NO. OF SEWER HOUSE CONNECTIONS:	2
DRAINAGE AREA:	PATAPSCO
TREATMENT PLANT:	PATAPSCO WASTEWATER TREATMENT PLANT, CITY OF BALTIMORE

VICINITY MAP SCALE: 1" = 600'

PLAN REFERENCE NUMBERS: F03-65 (RECORD PLAT-CURRAN PROPERTY)

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 @ 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 1-800-252-1133
BGE (CONTRACTOR SERVICES) 410-850-4620
BGE (UNDERGROUND DAMAGE CONTROL) 410-787-9060
BUREAU OF UTILITIES 410-313-4900
COLONIAL PIPELINE CO. 410-795-1990
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 10.114(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 TEES SHALL BE STRAPPED TO TEES.
 - FORCE MAINS SHALL BE BUTTRESSED OR ANCHORED 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 WATER-TIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATER-TIGHT FRAME 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.

AS BUILT
DATE: JUNE 2005

CONTRACT NO. 14-4187-D
CURRAN PROPERTY, LOTS 1 THRU 5
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

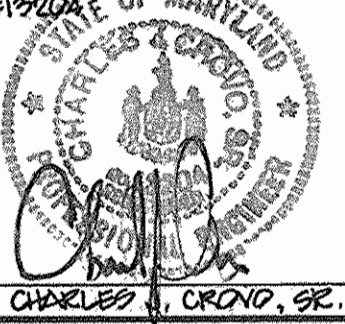
John Blanton
CHIEF, BUREAU OF UTILITIES
5-11-04 DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

Paul W. Keibel
CHIEF, DEVELOPMENT ENGINEERING DIVISION
5/10/04 DATE

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10722 BALDWIN NATIONAL FREE
ELICOTT CITY, MARYLAND 21042
410-461-2993

Charles J. Cronk, Sr.
REGISTERED PROFESSIONAL ENGINEER
11/11/04 DATE

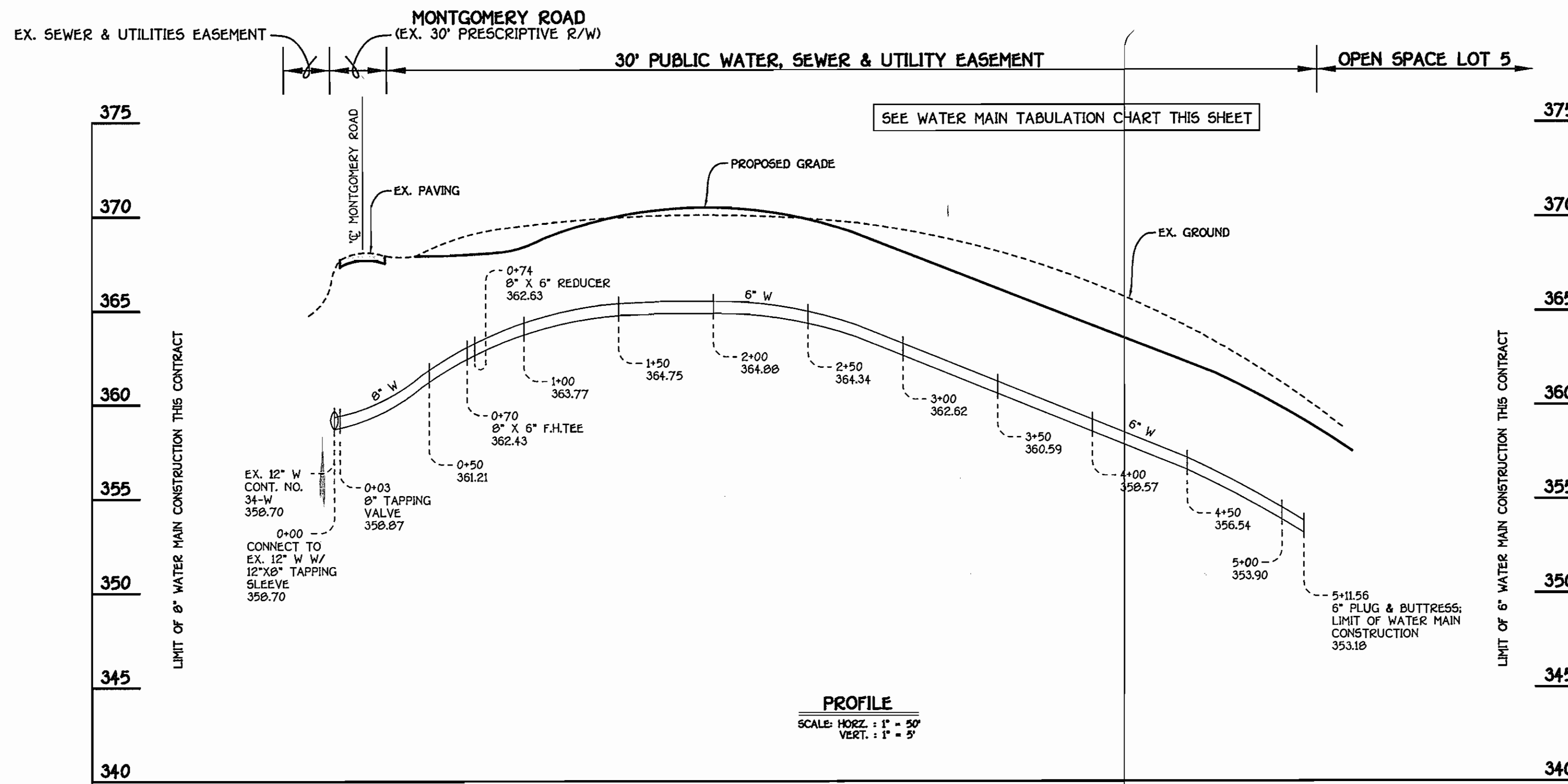


DESIGNED BY:		DRAWN BY:		CHECKED BY:		DATE:	
P.W.K.		D.Y.D.		P.W.K.		MAY, 2004	
BY NO.		BY NO.		BY NO.			

WATER & SEWER MAINS PLAN	
600' SCALE MAP NO. 37	BLOCK NO. 4 & 5
F.C.C. WORK ORDER NO. 30760	
FILE NAME: 30760 FINAL WATER AND SEWER PLAN SH1	

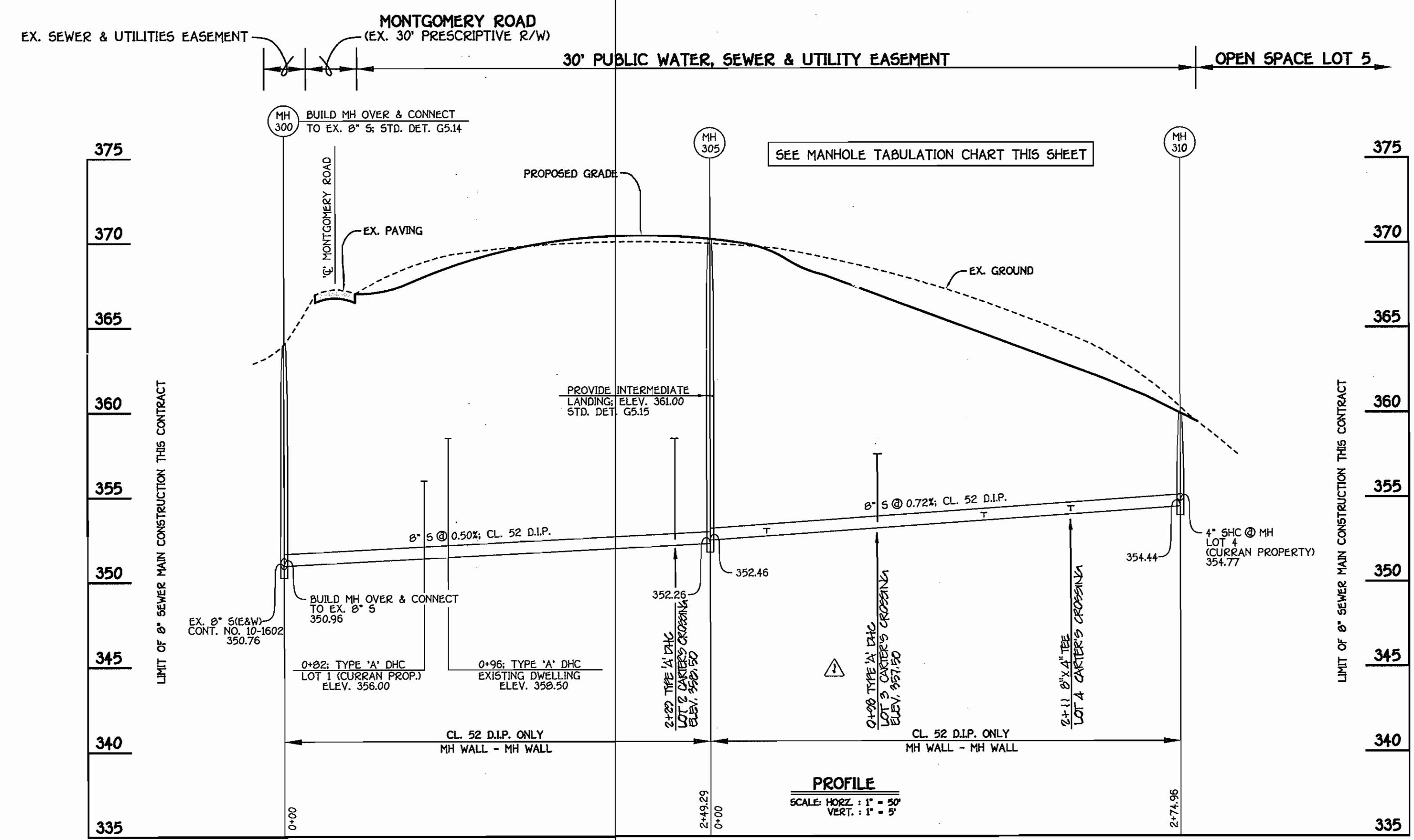
CURRAN PROPERTY
LOTS 1 THRU 5
CONTRACT NO. 14-4187-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 1 OF 3



WATER MAIN TABULATION CHART			
W.M. STATION	APPURTENANCE	NORTHING	EASTING
8" W/6" W: 30' WATER, SEWER & UTILITY EASEMENT			
0+00.00	12" X 8" TAPPING SLEEVE	563432.02	1378457.48
0+03.77	8" TAPPING VALVE	563434.74	1378458.77
0+70.00	8" X 6" TEE	563496.48	1378484.76
0+74.00	8" X 6" REDUCER	563500.17	1378486.31
5+11.56	6" PLUG & BUTTRESS	563903.49	1378656.09

8" / 6" WATER MAIN EXTENSION



MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
300	563415.77	1378461.65	364.00 **
305	563645.54	1378558.36	369.97 *
310	563898.96	1378665.04	359.96 *

* SET MH RIMS FLUSH W/ PROPOSED FINISHED GRADE
 ** SET MH RIM FLUSH W/ EXISTING GRADE

AS BUILT
 DATE: JUNE 2005

CONTRACT NO. 14-4187-D
 CURRAN PROPERTY: LOTS 1 THRU 5
 WATER & SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND

R. J. W. B... 5-11-04
 CHIEF, BUREAU OF UTILITIES

M. J. P... 5/2/04
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10222 BALTIMORE NATIONAL PIKE
 ELKLOTT CITY, MARYLAND 21042
 410.461.2200

STATE OF MARYLAND
 CHARLES W. GROVE, SR.

DESIGNED BY: P.W.K.
 DRAWN BY: D.Y.B.
 CHECKED BY: P.W.K.
 DATE: MAY, 2004

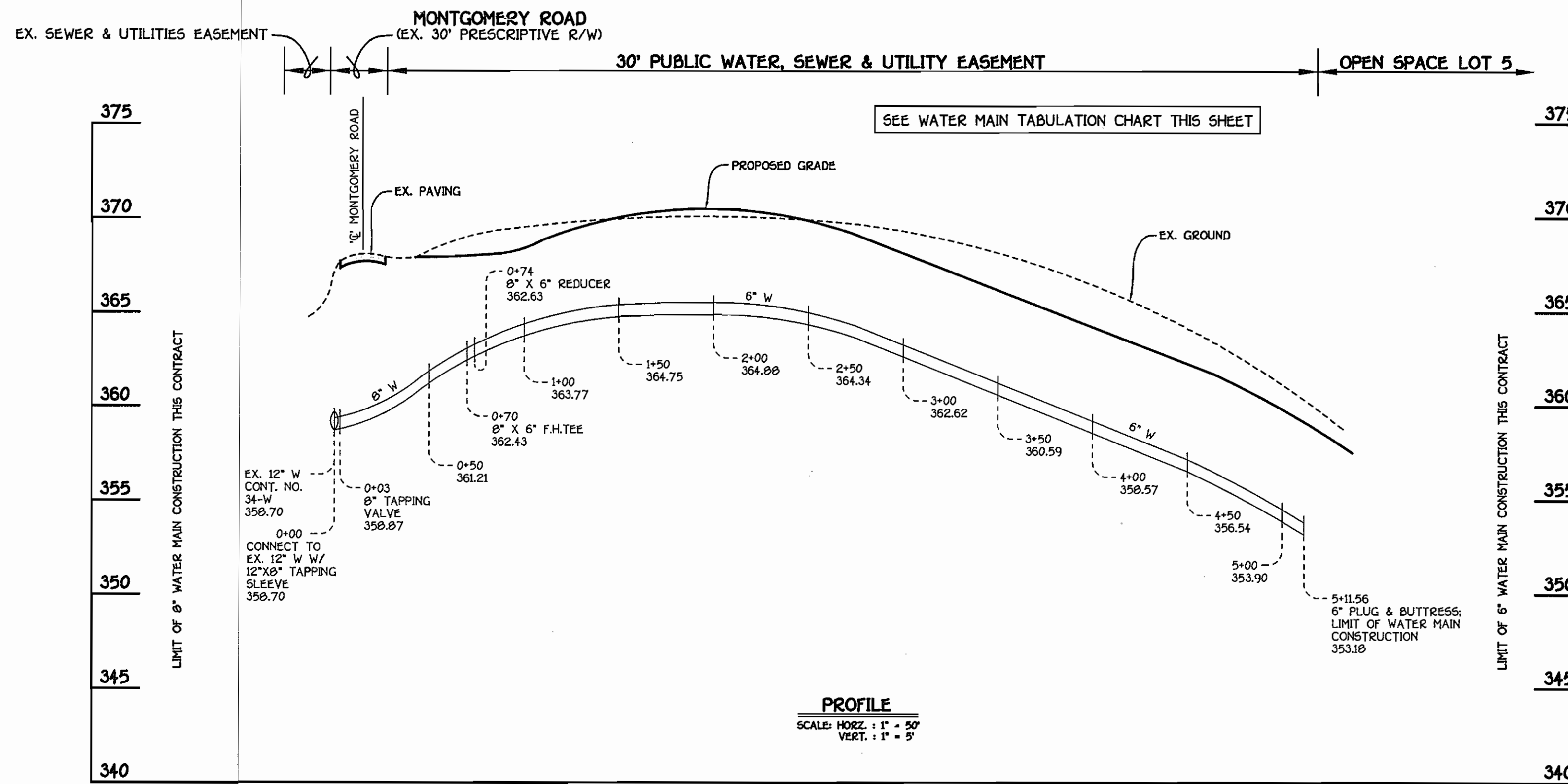
REVISION
 1. REVISED SEWER PROFILE TO REFLECT SHG'S

WATER & SEWER MAINS PROFILES

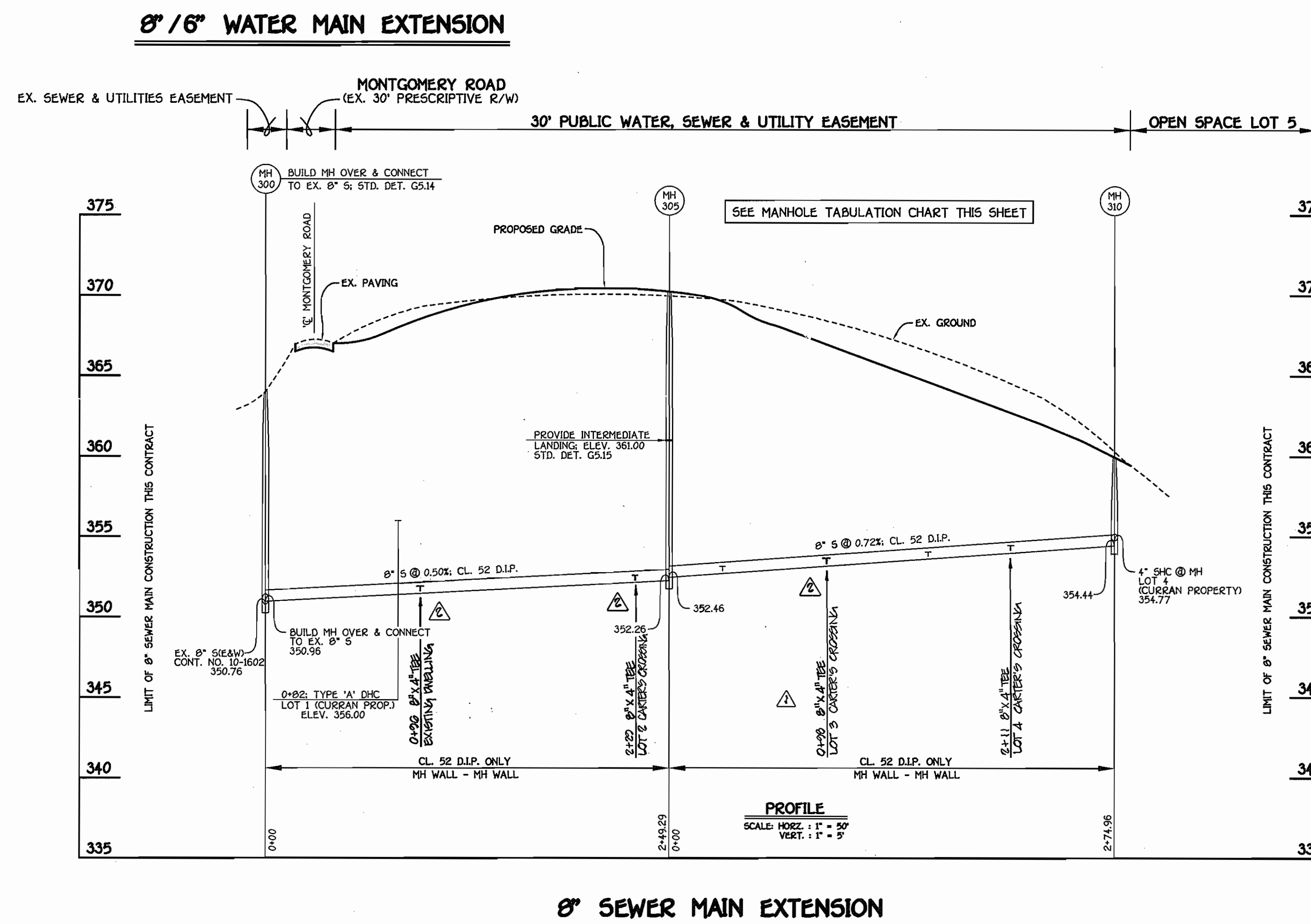
600' SCALE MAP NO. 37 BLOCK NO. 4 & 5
 F.C.C. WORK ORDER NO. 30768
 FILE NAME: 30768 FINAL WATER AND SEWER PLAN SH1

CURRAN PROPERTY
 LOTS 1 THRU 5
 CONTRACT NO. 14-4187-D
 FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 SHEET 2 OF 3



WATER MAIN TABULATION CHART			
W.M. STATION	APPURTENANCE	NORTHING	EASTING
0+00.00	8" W/6" W: 30' WATER, SEWER & UTILITY EASEMENT	563432.02	1378457.48
0+03.77	12" X 8" TAPPING SLEEVE	563434.74	1378458.77
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310	563898.96	1378665.04	359.96 *

* SET MH RIMS FLUSH W/ PROPOSED FINISHED GRADE
 ** SET MH RIM FLUSH W/ EXISTING GRADE

AS BUILT
 DATE: JUNE 2005

CONTRACT NO. 14-4187-D
 CURRAN PROPERTY: LOTS 1 THRU 5
 WATER & SEWER MAIN EXTENSIONS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 5-11-04 CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND DATE: 5/21/04 CHIEF, DEVELOPMENT ENGINEERING DIVISION	FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE ELLESMERE CITY, MARYLAND 21042 (410) 461-2899 CHARLES L. CROWE, SR.	DESIGNED BY: P.W.K. DRAWN BY: D.Y.B. CHECKED BY: P.W.K. DATE: MAY, 2004 BY NO.	WATER & SEWER MAINS PROFILES 600' SCALE MAP NO. 37 BLOCK NO. 4 & 5 F.C.C. WORK ORDER NO. 30768 FILE NAME: 30768 FINAL WATER AND SEWER PLAN SHT	CURRAN PROPERTY LOTS 1 THRU 5 CONTRACT NO. 14-4187-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE AS SHOWN SHEET 2 OF 3
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QUANTITIES				
ITEM	ESTIMATED	AS-BUILT	QUANTITIES	SUPPLIER
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NAME OF UTILITY CONTRACTOR: MARTIN CONSTRUCTION
SURVEY & DRAFTING DIVISION AS-BUILT DATE: JUNE 2005

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0+02 RT. (DHC)	MH 300 TO MH 305	356.68
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1+59 RT.	LOT 2 (CURRAN PROPERTY)	354.13
0+ MH 310 RT.	LOT 4 (CURRAN PROPERTY)	355.07
2+27 LT.	MH 300 TO MH 305	352.02
0+70 LT.	LOT 2: CARTER'S CROSSING	353.74
2+11 LT.	LOT 4: CARTER'S CROSSING	354.13

BENCHMARK INFORMATION	
B.M.#1 - HOWARD COUNTY CONTROL STATION *378A	N 563.705.62 E 1376.543.17 ELEVATION = 394.79
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Paul W. Kriebel, FOR:
LAND DESIGN & DEVELOPMENT, INC. 05-06-04
SIGNATURE OF DEVELOPER DATE

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Paul W. Kriebel, FOR:
LAND DESIGN & DEVELOPMENT, INC. 05-06-04
SIGNATURE OF ENGINEER DATE

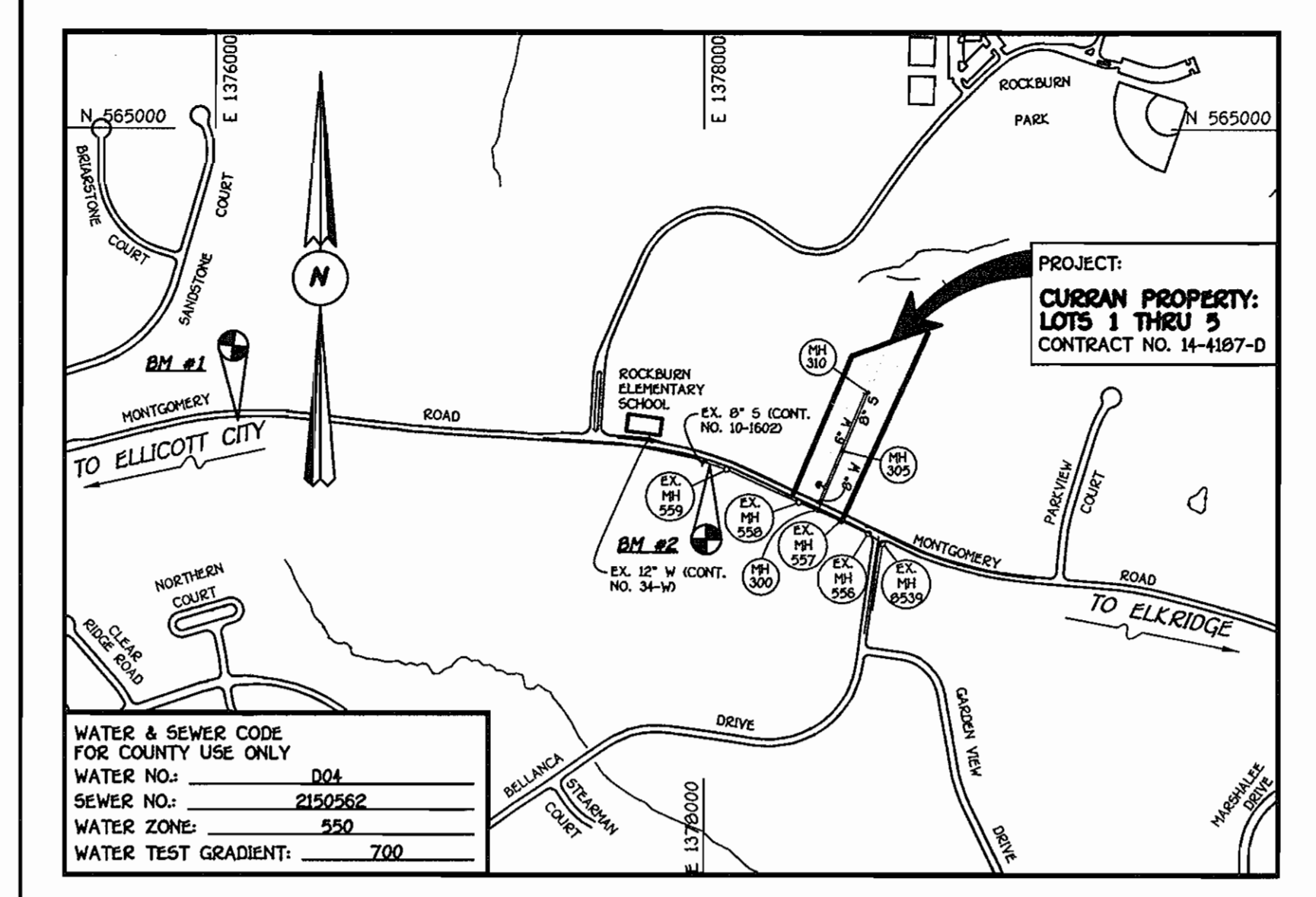
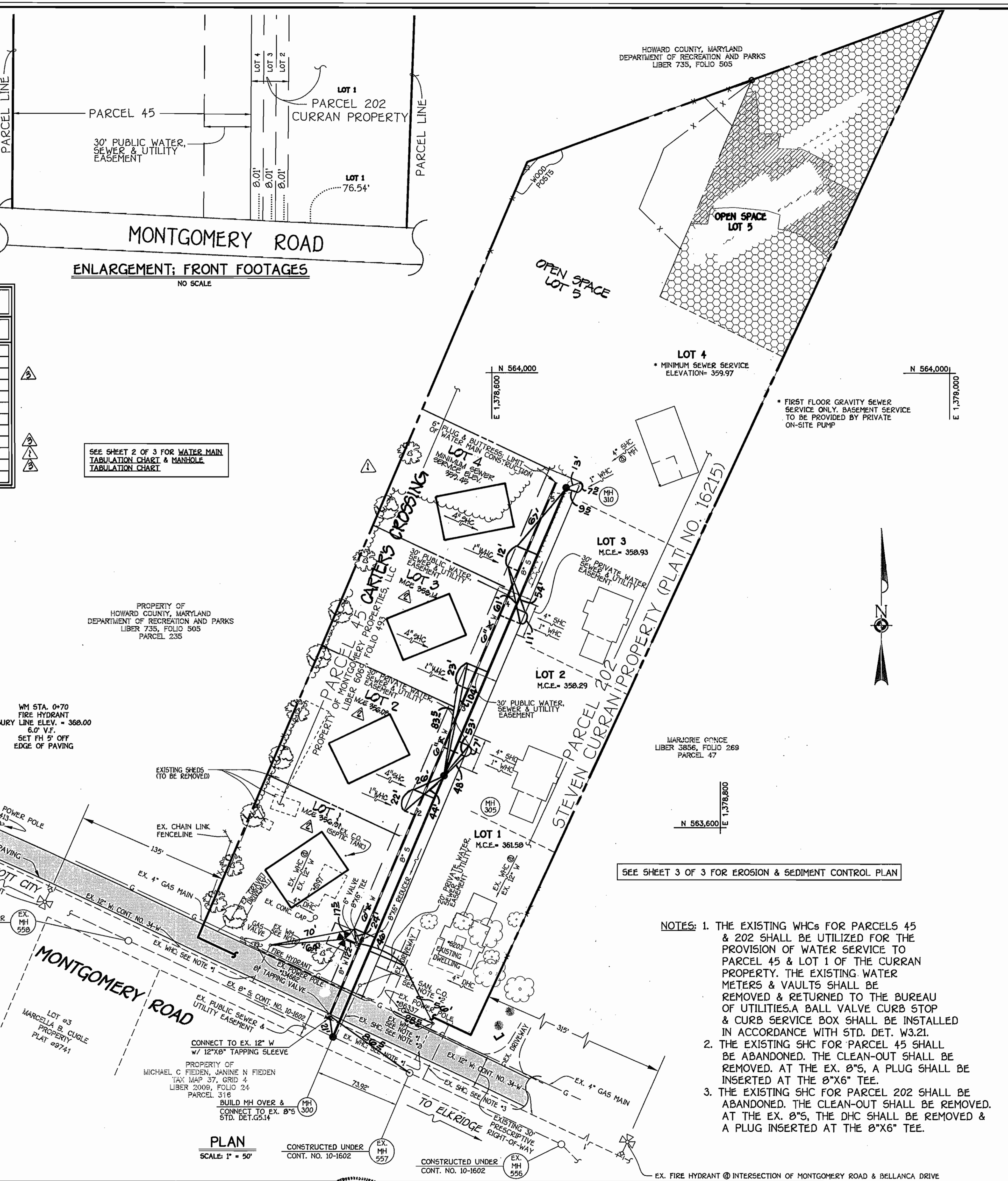
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jim Meyer, 5/24/04
U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE

APPROVED: John R. Blanton, 5/24/04
HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

SEEDING 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. Kriebel, FOR:
LAND DESIGN & DEVELOPMENT, INC. 05-06-04
SIGNATURE OF DEVELOPER DATE



GENERAL NOTES

PART I

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- ALL VERTICAL CONTROLS ARE BASED ON NAVD 88.
- PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
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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 1-800-252-1133
BGE (CONTRACTOR SERVICES) 410-850-4620
BGE (UNDERGROUND DAMAGE CONTROL) 410-787-9068
BUREAU OF UTILITIES 410-313-4900
COLONIAL PIPELINE CO 410-795-1390
MISS UTILITY 1-800-257-7777
STATE HIGHWAY ADMINISTRATION 410-531-5533
VERIZON 1-800-743-0333/410-224-9210
- 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 18.11(h) 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 WATER-TIGHT FRAME AND COVER, STANDARD DETAIL G552. WHERE WATER-TIGHT 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.

AS BUILT
DATE: JUNE 2005

CONTRACT NO. 14-1187-D
CURRAN PROPERTY: LOTS 1 THRU 5
WATER & SEWER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 5-11-04 DATE	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND 5/24/04 DATE	FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS 2072 SANDSTONE NATIONAL PARK ELICOTT CITY, MARYLAND 21042 410-461-2955	DESIGNED BY: P.W.K. DRAWN BY: D.Y.B. CHECKED BY: P.W.K. DATE: MAY, 2004	WATER & SEWER MAINS PLAN 600' SCALE MAP NO. 37 BLOCK NO. 4 & 5 F.C.C. WORK ORDER NO. 30768 FILE NAME: 30768 FINAL WATER AND SEWER PLAN SH1	CURRAN PROPERTY LOTS 1 THRU 5 CONTRACT NO. 14-1187-D FIRST ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE AS SHOWN SHEET 1 OF 3
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