

QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		SUPPLIER / MANUFACTURER
		QUANTITIES	TYPE	
8" S	346 LF.	341'	PVC-SDR-35	FERGUSON / AMERICAN PIPE CO.
MANHOLE	4 EACH	4	PRECAST / SEWER	AMERICAN PIPE CO.
4" S	84 LF.	61'	PVC-SDR-35	FERGUSON / AMERICAN PIPE CO.
8" W	350 LF.	366'	PVC-SDR-35	FERGUSON / AMERICAN PIPE CO.
6" W	0 LF.	7'	CL-SM DTP	FERGUSON / AMERICAN PIPE CO.
1-1/2" WHC	142 LF.	135'	TYPE K	MILWAUKEE TUBULARS
1/32 H.B.	2 EACH	2	MS CLER II-1/4	FERGUSON / AMERICAN PIPE CO.
FIRE HYDRANT	1 EACH	1	HOWARD CO. EM	FERGUSON / AMERICAN PIPE CO.
8" TAPPING SLEEVE	1 EACH	1	STAINLESS STEEL	FERGUSON / AMERICAN PIPE CO.
8" F.H. TEE	1 EACH	1	MS C152	FERGUSON / AMERICAN PIPE CO.
8" TAPPING VALVE	1 EACH	1	MS RSTAP	FERGUSON / AMERICAN PIPE CO.
6" VALVE	1 EACH	1	MS R3 CAPTE	FERGUSON / AMERICAN PIPE CO.
6" PLUG & BUTTRESS	1 EACH	1	MS R355 CAPTE	FERGUSON / AMERICAN PIPE CO.
OUTSIDE METER SETTING	0 EACH	3	1 1/2 COUPLER	A.Y. MACDONALD
CONTINUITY TEST STATION	1 EACH	1	FERGUSON / AMERICAN PIPE CO.	A.Y. MACDONALD

PRIVATE WELL & PRIVATE SEPTIC SYSTEM CHART				
PARCEL NO.	ADDRESS	OWNER	ABANDON WELL	ABANDON SEPTIC
201	5835 TROTTER ROAD	DAVOD & VIDA TAJ	YES	YES
202	5847 TROTTER ROAD	JOHN LEE & PATRICIA CHILDS	YES	YES

NOTE: WATER METERS WILL NOT BE RELEASED BY HOWARD COUNTY TO ANY NEW BUILDING UNTIL THE EXISTING WELLS AND SEPTIC SYSTEMS HAVE BEEN ABANDONED IN ACCORDANCE WITH HOWARD COUNTY HEALTH DEPARTMENT REGULATIONS AND THE EXISTING BUILDINGS ARE CONNECTED TO THE PUBLIC WATER AND SEWER MAINS.

**BENCHMARK INFORMATION**

B.M.#1 - HOWARD COUNTY CONTROL STATION #35A - HORIZONTAL - (NAD '83)  
 (LOCATED AT THE END OF BARLEY CORN ROAD, ROUGHLY 96.2' SOUTH BEHIND HOUSE NO. 623)  
 N 560,787.6901  
 E 1,335,493.8345  
 ELEVATION = 430.960 - VERTICAL - (NAVD '86)

B.M.#2 - HOWARD COUNTY CONTROL STATION #35B - HORIZONTAL - (NAD '83)  
 (LOCATED ALONG THE SOUTH SIDE OF SOUTH WIND CIRCLE, APPROX. 83.4' EAST OF MISTY WIND PATH)  
 N 560,790.4155  
 E 1,335,537.2303  
 ELEVATION = 394.256 - VERTICAL - (NAVD '86)

**DEVELOPER'S CERTIFICATION**

I, the undersigned, hereby certify that all development and construction will be done in accordance with 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 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:  
 DAVOD TAJ  
 SIGNATURE OF DEVELOPER  
 09/09/10  
 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  
 SIGNATURE OF ENGINEER  
 09/09/10  
 DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AND AS SHOWN ON THE ROAD CONSTRUCTION PLAN, F-10-092 OR THE SITE DEVELOPMENT PLAN, SGP-11-XXX.

Paul W. Kriebel, FOR: DAVOD TAJ  
 SIGNATURE OF DEVELOPER  
 09/09/10  
 DATE

GP-11-25

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

APPROVED:  
 John L. Childs 4/2/10  
 CHIEF, CONSERVATION DISTRICT

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 12043 EXPIRATION DATE IS 7/16/12.

Paul W. Kriebel, PROFESSIONAL ENGINEER  
 09/09/10  
 DATE

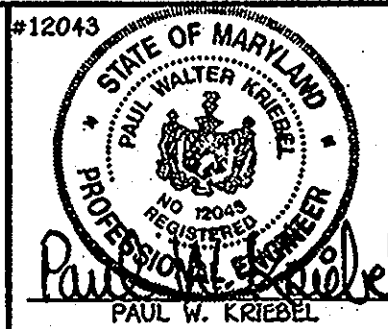
DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND

Silvia Chen  
 CHIEF, BUREAU OF UTILITIES  
 9/10/10  
 DATE

Paul W. Kriebel  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 11/2/10  
 DATE

FISHER, COLLINS & CARTER, INC.  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 10270 BALDWIN NATIONAL PIKE  
 CLARKVILLE, MD 21029  
 (410) 461-2000

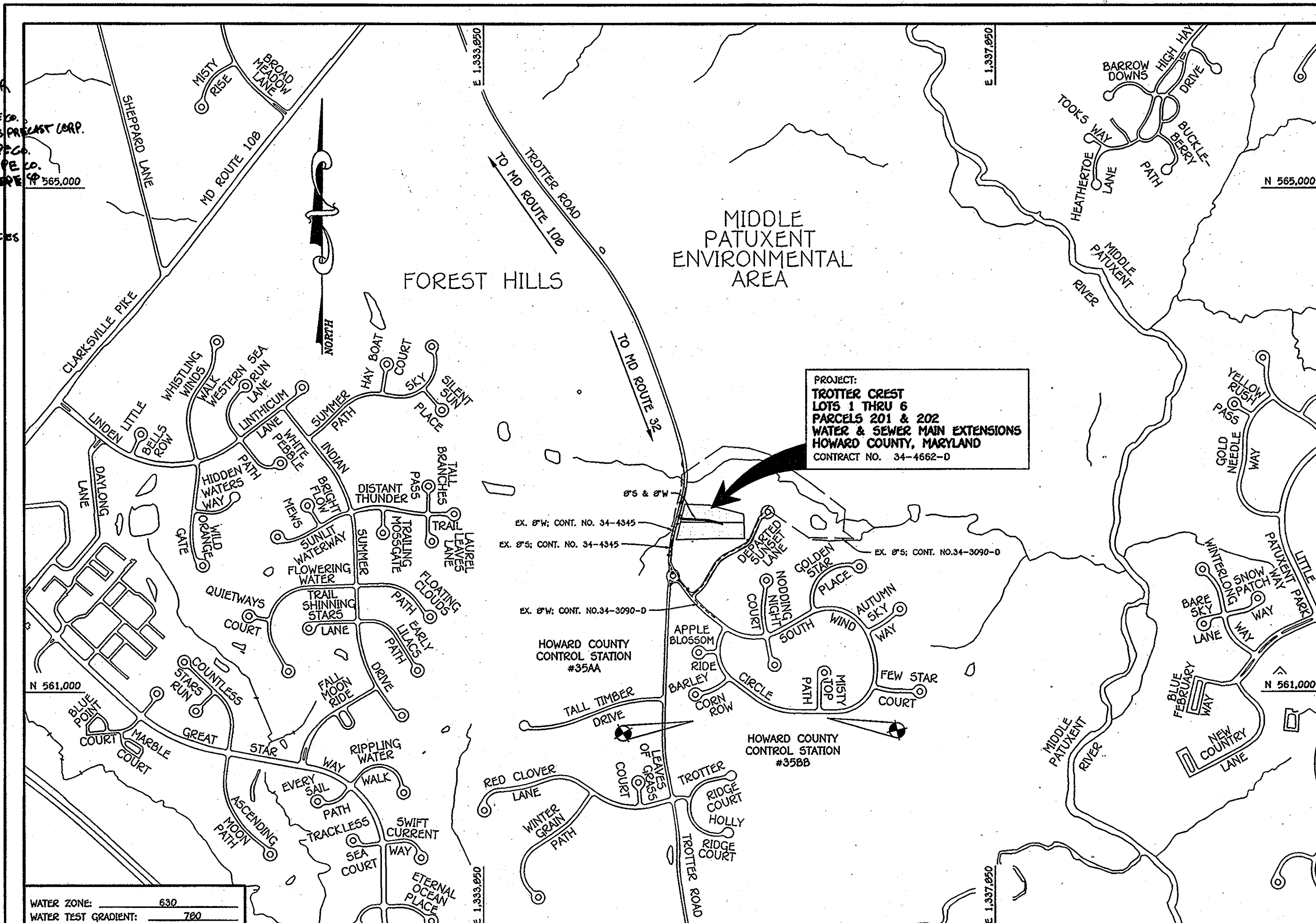


DESIGNED BY:	B.C.R.	DATE:	9/3/11
DRAWN BY:	B.C.R.	DATE:	4/22/11
CHECKED BY:	P.M.K.	DATE:	9/3/11
DATE:	SEPTEMBER, 2010	BY:	NO.

WATER & SEWER MAIN EXTENSIONS TITLE SHEET	
600' SCALE MAP NO. 35	BLOCK NO. 2
F.C.C. WORK ORDER NO. 09040	
FILE NAME: WATER & SEWER MAIN EXTENSION TITLE SHEET	

TROTTER CREST  
 LOTS 1 THRU 6  
 PARCELS 201 & 202  
 WATER & SEWER MAIN EXTENSIONS  
 CONTRACT NO. 34-4662-D  
 FIFTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

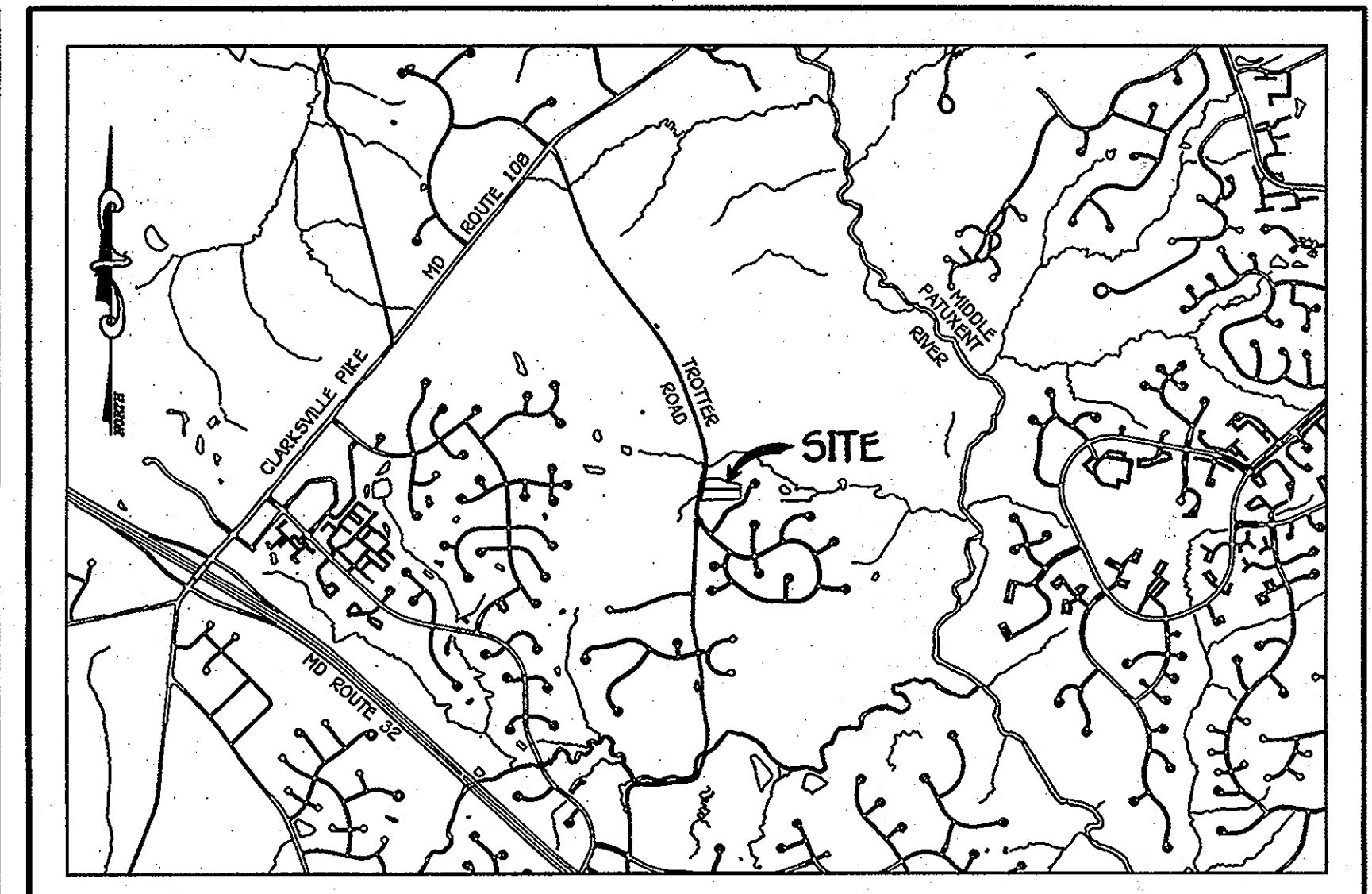
SCALE AS SHOWN  
 SHEET 1 OF 3



TYPE OF BUILDING:	RESIDENTIAL - SINGLE FAMILY DETACHED
NUMBER OF LOTS:	6
NO. OF WATER HOUSE CONNECTIONS:	6
NO. OF SEWER HOUSE CONNECTIONS:	4
SEWER SHED:	MIDDLE PATUXENT
TREATMENT PLANT:	LITTLE PATUXENT WATER RECLAMATION PLANT SAVAGE, MARYLAND

LOCATION MAP  
 SCALE: 1" = 600'

PLAN REFERENCE NUMBERS:  
 SGP-11-XXX  
 F-11-029



VICINITY MAP  
 SCALE: 1" = 2000'

GENERAL NOTES

- PART A
- 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.
  - TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON OR ABOUT NOVEMBER, 2009 BY FISHER, COLLINS & CARTER, INC.
  - HORIZONTAL AND VERTICAL SURVEY CONTROLS: THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/91' AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NO. 35A. ALL VERTICAL CONTROLS ARE BASED ON NAVD '86. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS.
  - 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 (P) 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
    - BCE (CONSTRUCTION SERVICES) 410-637-8713
    - BCE (EMERGENCY) 410-682-0123
    - BUREAU OF UTILITIES 410-313-4900
    - COLONIAL PIPELINE CO. 410-795-1990
    - MESS UTILITIES 1-800-557-7777
    - STATE HIGHWAY ADMINISTRATION 410-531-5533
    - VERIZON 1-800-743-0033
  - 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.

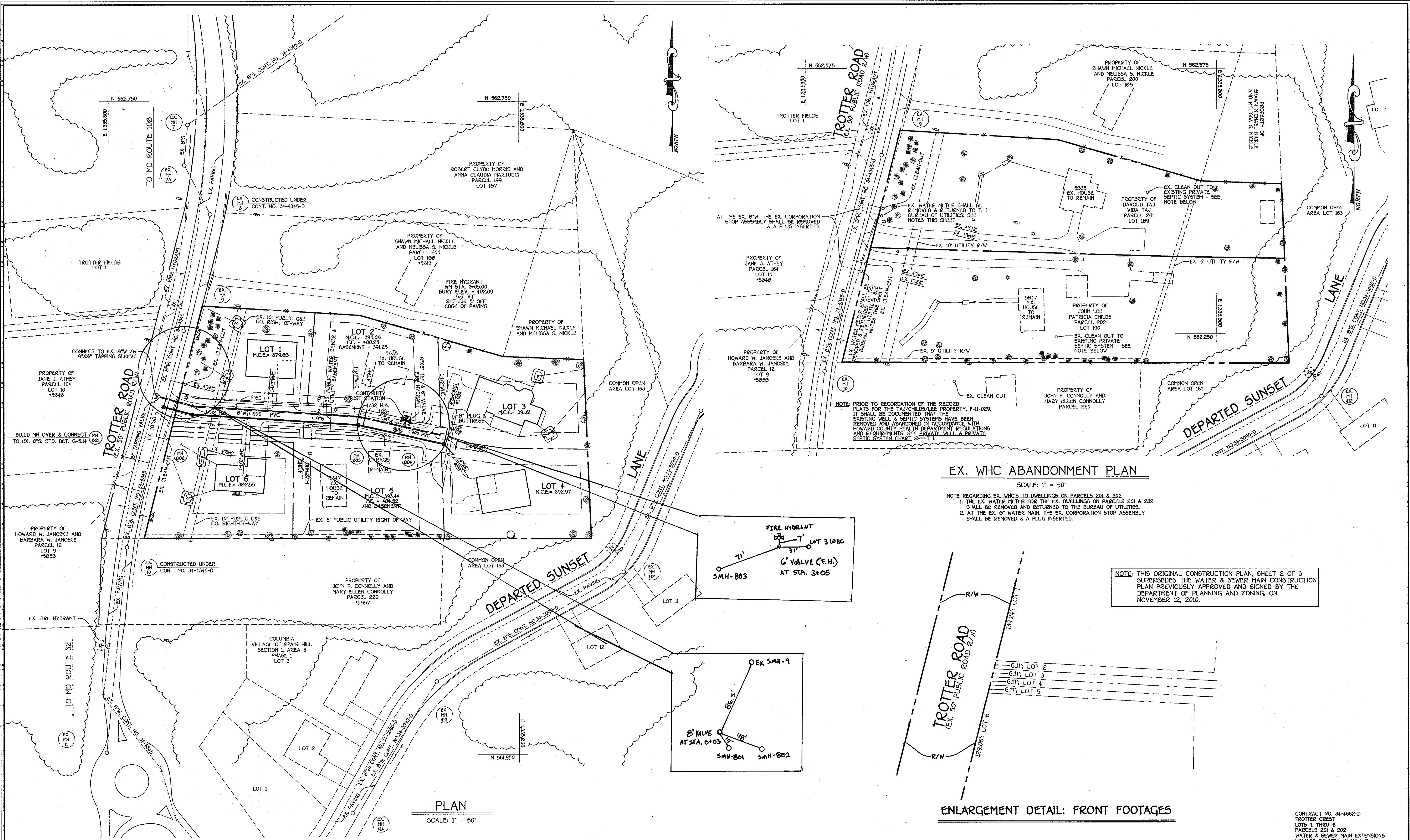
- PART B: WATER MAIN GENERAL NOTES
- ALL WATER MAINS SHALL BE 12" UNLESS OTHERWISE NOTED.
  - TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
  - VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
  - ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN 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.
  - FOR PVC WATER MAINS, ALL RECORDS FOR THE QUALITY CONTROL AND QUALIFICATION TEST REQUIREMENTS NOTED IN SECTION 5.1 OF THE AWWA STANDARD C900 FOR PVC PRESSURE PIPE SHALL BE SUBMITTED WITH THE PIPE MATERIAL CERTIFICATIONS OR SHOP DRAWINGS PRIOR TO APPROVAL OF THE MATERIAL FOR USE. THE TEST RECORDS SHALL BE FOR THE PIPE TO BE INSTALLED UNDER THIS CONTRACT. ALL PVC PIPE SHALL CONTAIN MARKINGS TO ALLOW CROSS REFERENCING OF THE PIPE SUPPLIED TO THE TEST RECORDS RECEIVED.
  - UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, SEVENTEEN (17) POUND SACRIFICIAL ANODES SHALL BE INSTALLED ON ALL VALVES AND METALLIC FITTINGS USED WITH PVC WATER MAINS IN ACCORDANCE WITH VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS INCLUDING RESTRAINTS AND HARNESSES. ZINC ANODES SHALL BE INSTALLED ON ALL STAINLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL "TEST" USED WITH PVC MAINS SHALL BE DUCTILE IRON.
  - ALL DWELLING UNITS SHALL HAVE A 1-1/2" WATER HOUSE CONNECTION WITH A 1" OUTSIDE METER SETTING, STD. DET. W-3.28.

- PART C: SEWER MAIN GENERAL NOTES
- 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 WATER-TIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATER-TIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
  - HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

DEVELOPER  
 JOHN M. LEE  
 PATRICIA A. CHILDS  
 5847 TROTTER ROAD  
 CLARKSVILLE, MARYLAND 21029-1215

DEVELOPER  
 TAJ DAVOD  
 5835 TROTTER ROAD  
 CLARKSVILLE, MARYLAND 21029-1215

CONTRACT NO. 34-4662-D  
 TROTTER CREST  
 LOTS 1 THRU 6  
 PARCELS 201 & 202  
 WATER & SEWER MAIN EXTENSIONS  
 HOWARD COUNTY, MARYLAND

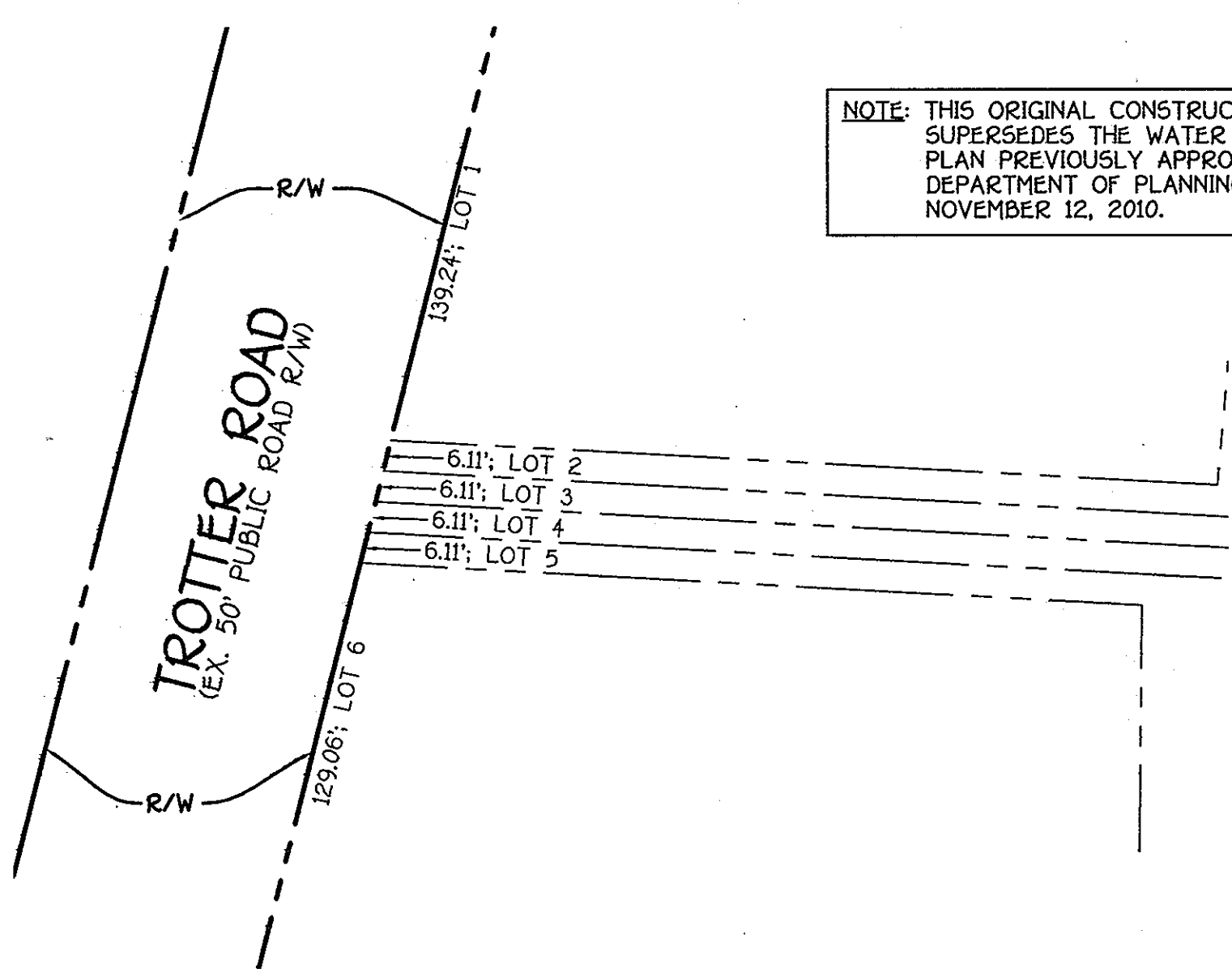
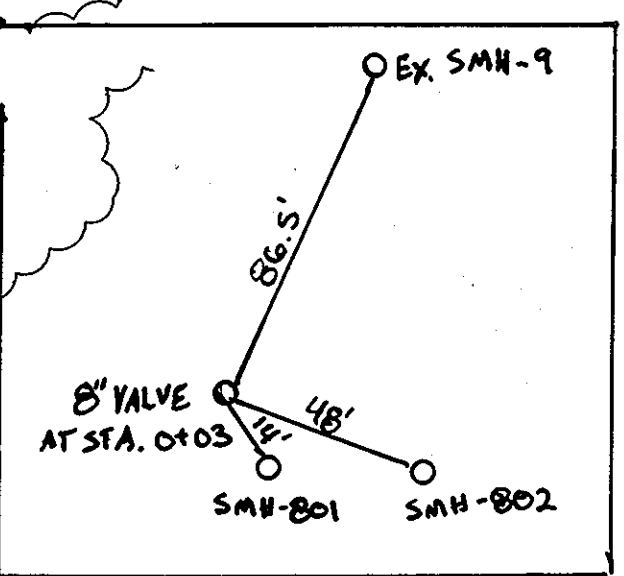
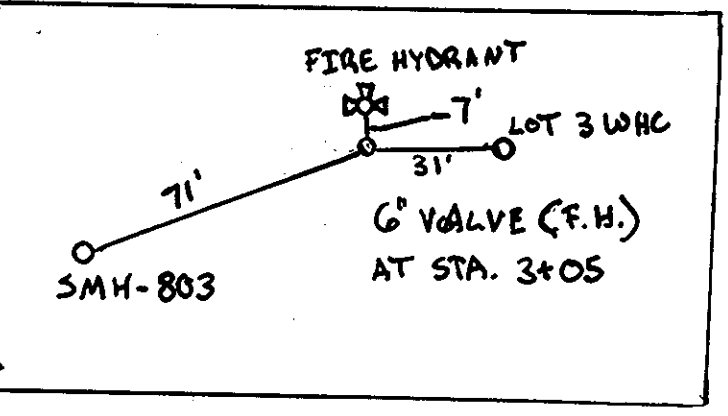


**EX. WHC ABANDONMENT PLAN**

SCALE: 1" = 50'

NOTE REGARDING EX. WHC'S TO DWELLINGS ON PARCELS 201 & 202:  
 1. THE EX. WATER METER FOR THE EX. DWELLINGS ON PARCELS 201 & 202 SHALL BE REMOVED AND RETURNED TO THE BUREAU OF UTILITIES.  
 2. AT THE EX. 8" WATER MAIN, THE EX. CORPORATION STOP ASSEMBLY SHALL BE REMOVED & A PLUG INSERTED.

NOTE: THIS ORIGINAL CONSTRUCTION PLAN, SHEET 2 OF 3 SUPERSEDES THE WATER & SEWER MAIN CONSTRUCTION PLAN PREVIOUSLY APPROVED AND SIGNED BY THE DEPARTMENT OF PLANNING AND ZONING, ON NOVEMBER 12, 2010.

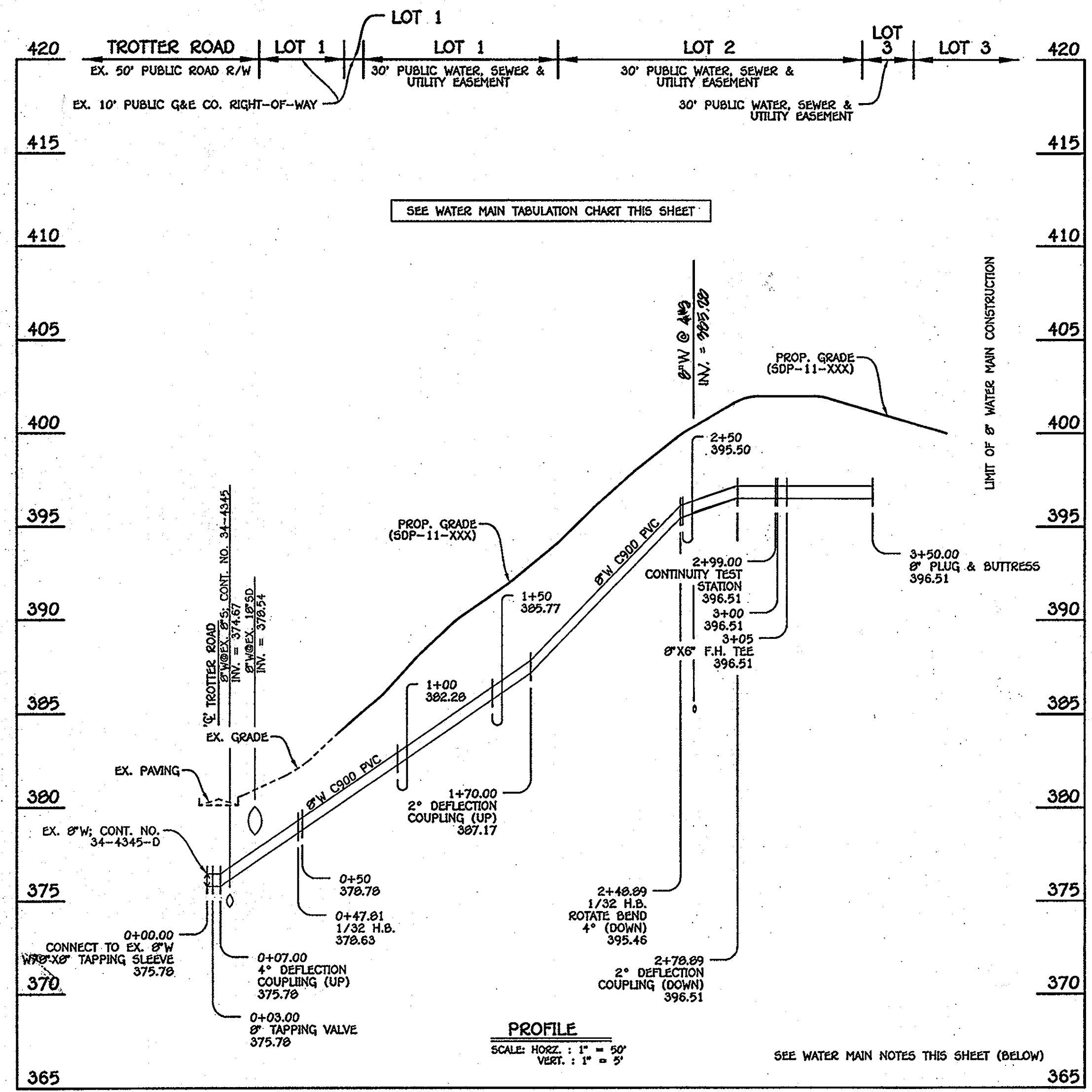


**PLAN**  
SCALE: 1" = 50'

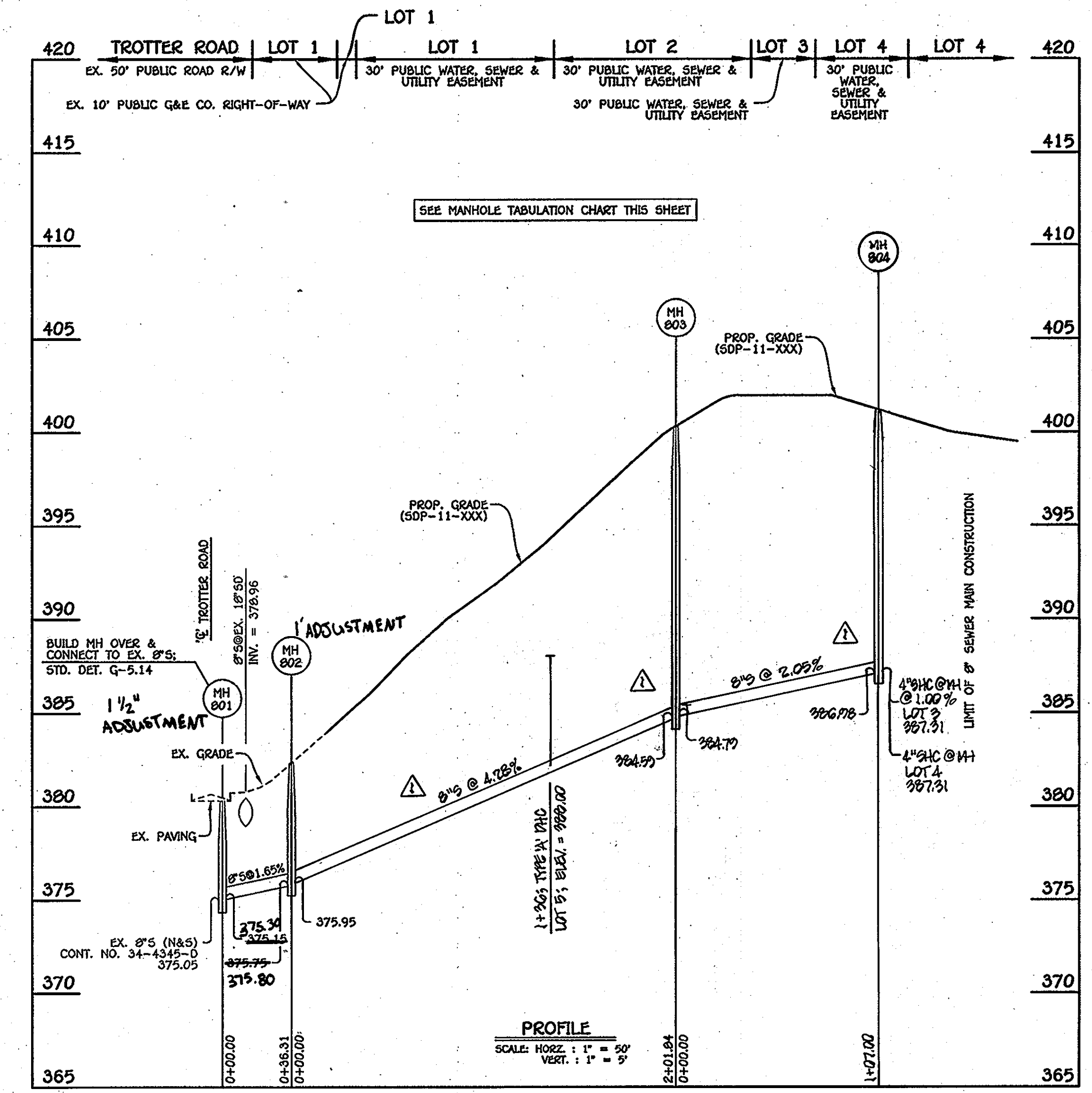
**ENLARGEMENT DETAIL: FRONT FOOTAGES**

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Silva Chen</i> CHIEF, BUREAU OF UTILITIES DATE: 4/21/11		DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND <i>Paul W. Knedel</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 4/21/11		I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 12043 EXPIRATION DATE IS 7/31/12. <b>FISHER, COLLINS &amp; CARTER, INC.</b> CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL FREE ELLIOTT CITY, MARYLAND 20602 (410) 461-2222 <i>Paul W. Knedel</i> PAUL W. KNEDER		DESIGNED BY: B.C.R. DRAWN BY: B.C.R. CHECKED BY: P.W.K. DATE: APRIL 2011 BY NO. AS-BULIT REVISION		WATER & SEWER MAIN EXTENSIONS PLAN 600' SCALE MAP NO. 35 BLOCK NO. 2 F.C.C. WORK ORDER NO. 09040 DATE: FILE NAME: WATER & SEWER MAIN EXTENSION PLAN SHEET		TROTTER CREST LOTS 1 THRU 6 PARCELS 201 & 202 WATER & SEWER MAIN EXTENSIONS CONTRACT NO. 34-4662-D FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE AS SHOWN SHEET 2 OF 3	
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I:\2009\09040\09040 Water and Sewer Base Plan (Redline) Dwg. 4/18/2011 3:35:30 PM



**8" WATER MAIN: LOTS 1 THRU 6**



**8" SEWER MAIN: LOTS 2 THRU 5**

WATER MAIN TABULATION CHART			
W.M. STA.	APPURTENANCE	NORTHING	EASTING
8" WATER MAIN: LOTS 2 THRU 5			
0+00.00	8" X 6" TAPPING SLEEVE	562389.24	1335358.69
0+03.00	8" TAPPING VALVE	562380.45	1335361.59
0+47.01	1/32 H.B.	562374.53	1335404.78
2+48.09	1/32 H.B.	562363.68	1335605.45
2+99.00	CONTINUITY TEST STATION	562352.59	1335654.36
3+05.00	8" X 6" F.H. TEE	562351.26	1335660.21
3+50.00	8" PLUG & BUTTRESS	562341.32	1335704.06

TROTTER CREST WHC		
UNIT #	LENGTH (FT)	TO
WHC-LOT 1	69'	LOT 6 WHC
WHC-LOT 1	97'	SMH-802
WHC-LOT 1	78.5'	LOT 5 WHC
WHC-LOT 2	21'	SMH-803
WHC-LOT 2	66'	LOT 5 WHC
WHC-LOT 2	106'	LOT 1 WHC
WHC-LOT 3	21.5'	SMH-804
WHC-LOT 3	31'	6" VALVE (F.H.)
WHC-LOT 3	6.5'	LOT 3 WHC
WHC-LOT 4	15.5'	SMH-804
WHC-LOT 4	9'	LOT 4 WHC
WHC-LOT 4	30.5'	LOT 3 WHC
WHC-LOT 5	78.5'	LOT 1 WHC
WHC-LOT 5	80'	LOT 6 WHC
WHC-LOT 5	59'	SMH-803
WHC-LOT 6	74'	SMH-802
WHC-LOT 6	61'	LOT 1 WHC
WHC-LOT 6	80'	LOT 5 WHC

TROTTER CREST SHC		
UNIT #	LENGTH (FT)	TO
SHC-LOT 1	71.5'	LOT 6 SHC
SHC-LOT 1	39.5'	SMH-801
SHC-LOT 1	40'	SMH-802
SHC-LOT 2	20.5'	SMH-803
SHC-LOT 2	14.5'	LOT 2 WHC
SHC-LOT 2	65'	6" VALVE (F.H.)
SHC-LOT 3	6.5'	LOT 3 WHC
SHC-LOT 3	26'	LOT 4 WHC
SHC-LOT 3	21'	SMH-804
SHC-LOT 4	19.5'	SMH-804
SHC-LOT 4	9'	LOT 4 WHC
SHC-LOT 4	38'	LOT 3 WHC
SHC-LOT 5	10'	LOT 5 WHC
SHC-LOT 5	68'	SMH-803
SHC-LOT 5	70'	LOT 6 WHC
SHC-LOT 6	40.5'	SMH-801
SHC-LOT 6	42'	SMH-802
SHC-LOT 6	71.5'	LOT 1 SHC

MANHOLE TABULATION CHART			
NO.	NORTHING	EASTING	RIM ELEVATION
801	562375.00	1335367.52	380.50
802	562366.64	1335402.63	382.40
803	562353.74	1335604.05	400.25
804	562320.00	1335709.40	401.20

SHC INVERT @ EDGE OF EASEMENT		
STATION	LOT	ELEVATION
MH 802 TO MH 803		
1+30 RT.	5 (TYPE 'A' DHC)	380.54
MH 803 TO MH 804		
0+06 LT.	2	385.48
8" MH 804 LT.	3 (@1.00%)	387.51
8" MH 804 RT.	4	387.67
EX. MH 9 TO EX. MH 10		
0+63 LT.	1	374.38
1+34 LT.	6	376.85

- WATER MAIN NOTES:**
1. ALL WATER MAINS SHALL BE AMWA C900 PVC PIPE.
  2. ALL PIPE BEDDING, TRACER WIRE, LOCATING TAPE AND OTHER APPURTENANCES SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME II - WATER AND SEWER STANDARDS FOR AMWA C900 PVC WATER PIPE INSTALLATION.
  3. DEFLECTION COUPLINGS SHALL BE CERTAIN-TIED PVC HIGH DEFLECTION COUPLINGS.
  4. ALL WATER HOUSE CONNECTIONS AND TAPS SHALL BE PERFORMED USING A SADDLE.
  5. SEE PART B: WATER MAIN GENERAL NOTES; NO. 7 & 8 REGARDING AMWA C900 PVC PIPE.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*John C. ...*  
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

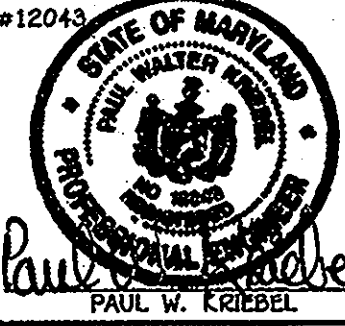
*... ..*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

11/12/10

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

112043

DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.M.K.  
DATE: SEPTEMBER, 2010



DESIGNED BY: B.C.R.  
DRAWN BY: B.C.R.  
CHECKED BY: P.M.K.  
DATE: SEPTEMBER, 2010

10/31/10  
AS BUILT  
REVISE SEWER MAIN PROFILE & ASSOCIATED CHARTS

WATER & SEWER MAIN EXTENSIONS  
PROFILES & CHARTS

600' SCALE MAP NO. 3" BLOCK NO. 2  
F.C.C. WORK ORDER NO. 09040  
FILE NAME: WATER & SEWER MAIN EXTENSION SHEET

TROTTER CREST  
LOTS 1 THRU 6  
PARCELS 201 & 202  
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CONTRACT NO. 34-4662-D  
FIFTH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 3 OF 3

1:2009 09040.dwg 09040 Water and Sewer Base Plan.dwg, 9/9/2010 11:50:20 AM