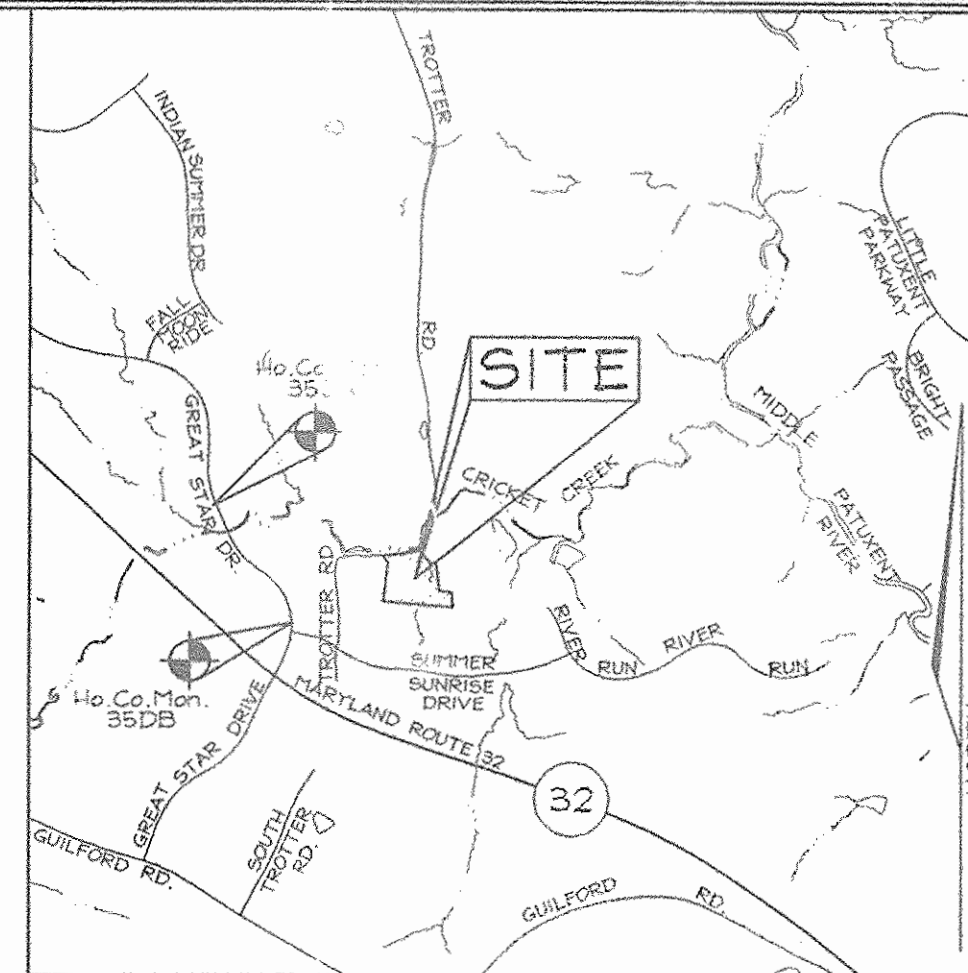


# PUBLIC WATER AND SEWER PLANS

## CRICKET CREEK

HOWARD COUNTY, MARYLAND  
 CONTRACT NO. 34-4275-D



VICINITY MAP  
 SCALE: 1"=2000'

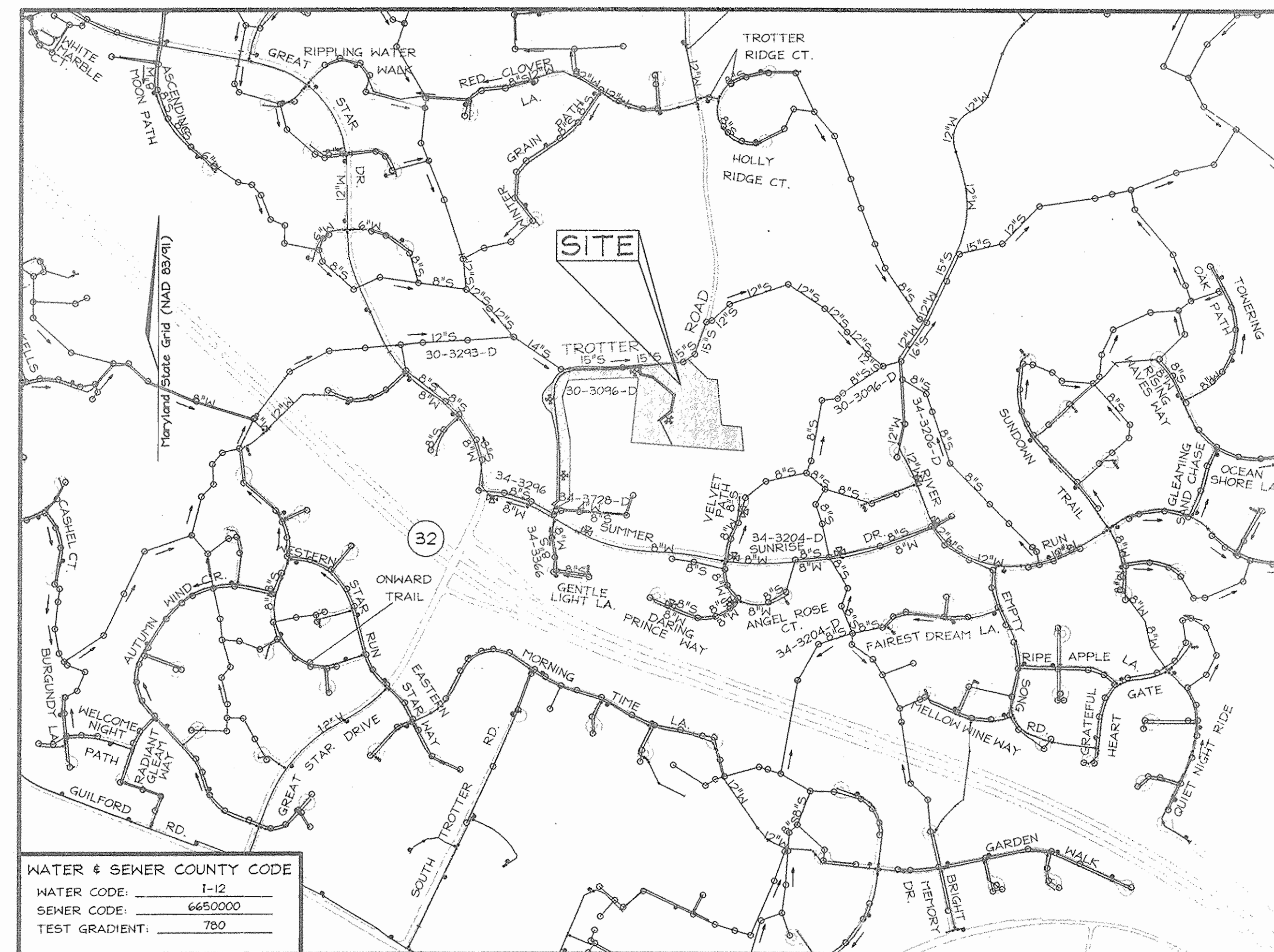
### GENERAL NOTES

- PART I - GENERAL**
- 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.
  - Field run topographic survey along Trotter Road provided by FSH Associates in July, 2004. Aerial topo on Parcel 65 provided by 3DI, LLC., in March, 1999.
  - 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 Stations No. 35DA (Concrete Monument 2.1' SW of curb edge, 17.7' NE of Cable TV Station) and 35DB (Concrete Monument 7.3' E of curb edge, 46.9' NE of Light Pole). 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". 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 drawings. In the event the contractor's work requires the bracing of additional poles, any cost incurred by the Owner for bracing of additional poles or damages shall be deducted from moneys owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.
  - For details not shown on the drawing, and for materials and construction methods use Howard County Design Manual, Volume IV, Standard Specifications and Details for Construction (Latest Edition). The contractor shall have a copy of Volume IV on the job.
  - Where test pits have been made on existing utilities, they are noted by the symbol 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:  

ATT	1.800.282.1133
BGE (Construction Services)	410.250.4620
BGE (Emergency)	410.685.1400
Bureau of Utilities	410.313.4900
Colonial Pipeline Company	410.745.1940
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.
  - The contractor shall remove trees, stumps and roots along 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 410.313.7490 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 16" walls are for brick manholes only.
  - Manholes designated W.T. in plan and profile shall have watertight frame and cover, Standard Detail 65.52. Where watertight 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.



WATER & SEWER COUNTY CODE  
 WATER CODE: 1-12  
 SEWER CODE: 6650000  
 TEST GRADIENT: 780

LOCATION PLAN  
 SCALE: 1"=600'

TYPE OF BUILDING:	RESIDENTIAL
NO. OF LOTS/PARCELS:	9
NO. OF WATER HOUSE CONNECTIONS:	9
NO. OF SEWER HOUSE CONNECTIONS:	9
DRAINAGE AREA:	MIDDLE PATUXENT
TREATMENT PLANT:	LITTLE PATUXENT

### BENCHMARKS

Sta. 35DA	N 170,356.7421	E 406,341.0645	El.: 107.1626 (meters)
	N 558,916.6394	E 1,333,137.325	El.: 351.563 (feet)
(Concrete Monument 2.1' SW of curb edge, 17.7' NE of Cable TV Station)			
Sta. 35DB	N 169,986.1310	E 406,596.2654	El.: 122.4288 (meters)
	N 557,646.164	E 1,333,974.580	El.: 401.668 (feet)
(Concrete Monument 7.3' E of curb edge, 46.9' NE of Light Pole)			

### QUANTITIES

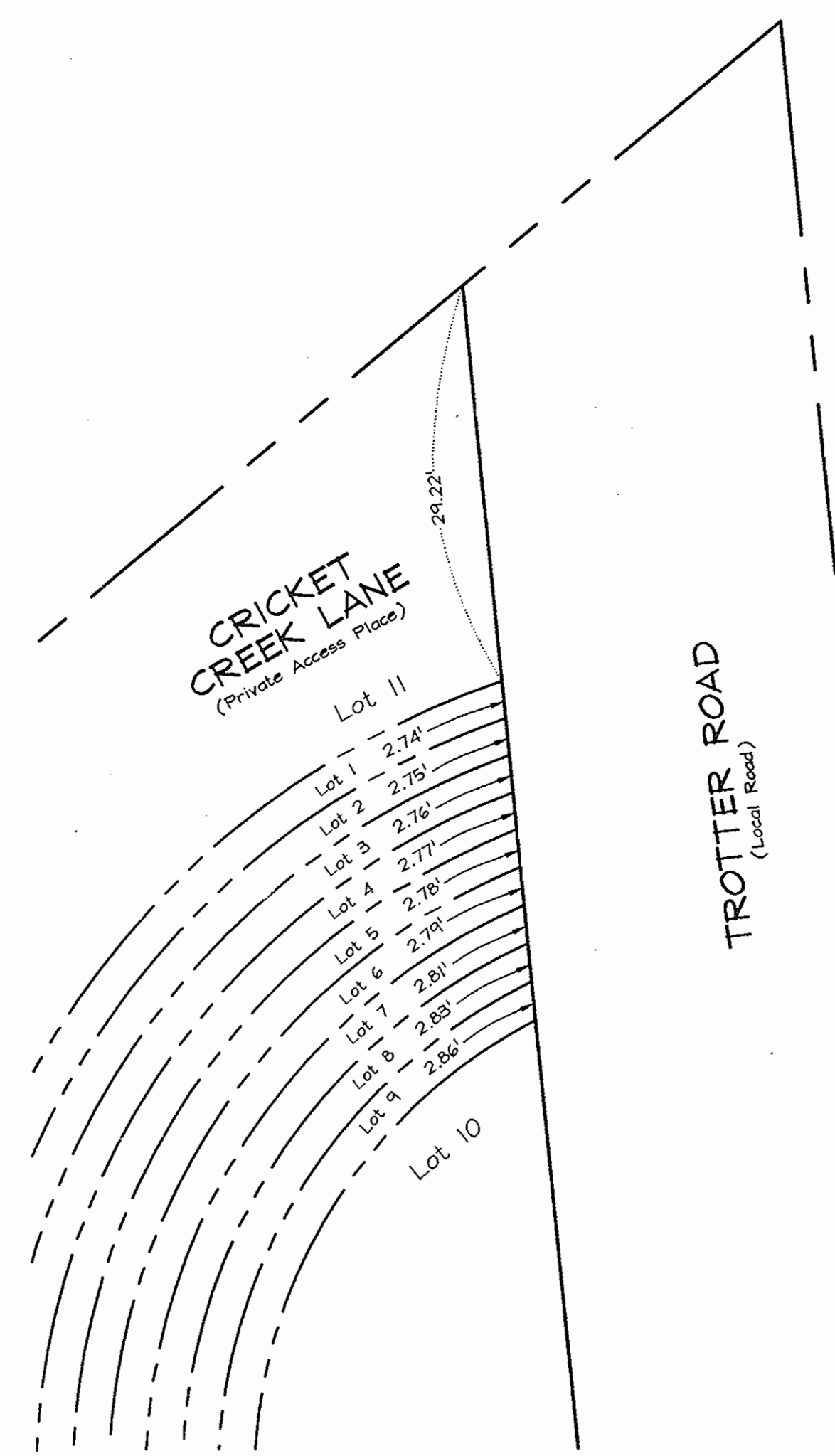
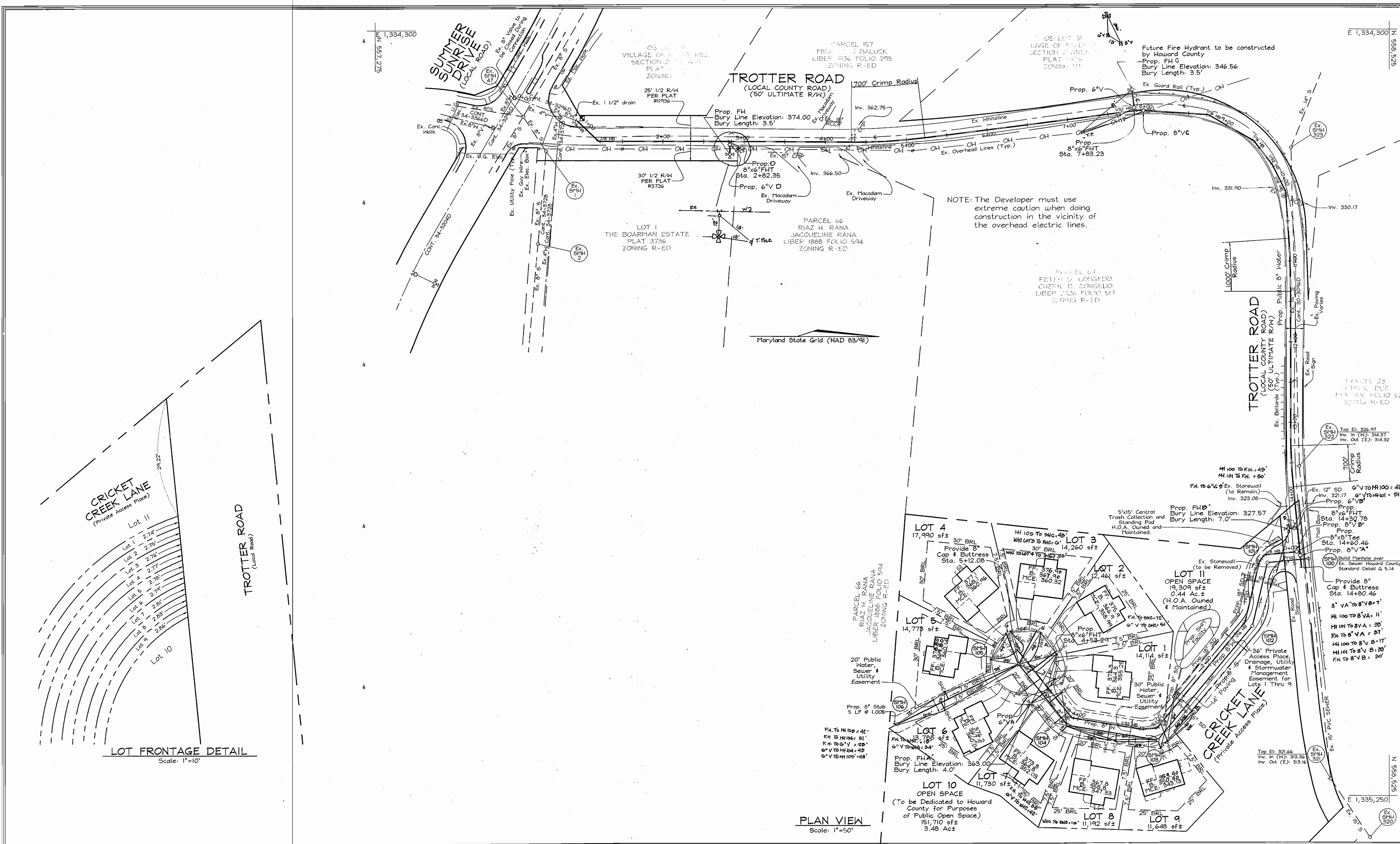
NAME OF UTILITY CONTRACTOR :		AS-BUILT	
SURVEY AND DRAFTING DIVISION AS-BUILT DATE :			
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE MANUFACTURER/SUPPLIER
MANHOLE	7	7	CONC. ATLANTIC CONCRETE
8" SEWER	691 LF	601 LF	P.V.C. BELAIR RD SUPPLY
8" VALVE	3	3	" " "
8"X8" TEE	1	1	" " "
FIRE HYDRANT	3	3	" " "
8" CAP & BUTTRESS	2	2	" " "
8" WATER	1990 LF	1090 LF	D.I.P. "/GRIFIN

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATIONS AND WITH ROAD CONSTRUCTION PLANS F-05-043

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*John K. Blanton* 6/1/05 *Jim Wagner* 6/1/05  
 SOIL CONSERVATION DISTRICT DATE SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND	<b>FSH Associates</b> Engineers Planners Surveyors 8318 Forrest Street Ellicott City, MD 21043 Tel: 410-750-2251 Fax: 410-750-7350 E-mail: info@fsha.biz	DESIGN BY: PS DRAWN BY: GS CHECKED BY: ZYF DATE: May 24, 2005	KCI 1 BY NO. ABBUILD DATA SHOWN REVISION DATE: 5/18/05	COVER SHEET 600' SCALE MAP NO.: 35 BLOCK NO.: 14	<b>CRICKET CREEK</b> LOTS 1 THRU 9 AND OPEN SPACE LOTS 10 AND 11 CONTRACT NO. 34-4275-D TAX MAP #35 PARCEL 65 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET NO. 1 OF 5
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PLAN VIEW  
Scale: 1"=50'

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*R. J. ...* 6-3-25  
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING  
HOWARD COUNTY, MARYLAND

*...* 6/105  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

**FSH Associates**  
Engineers Planners Surveyors  
9318 Forrest Street, Ellicott City, MD 21103  
Tel: 410-750-2251 Fax: 410-750-7350  
E-mail: info@fshaz.com

STATE OF MARYLAND  
REGISTERED PROFESSIONAL ENGINEER  
No. 22418  
J. ...

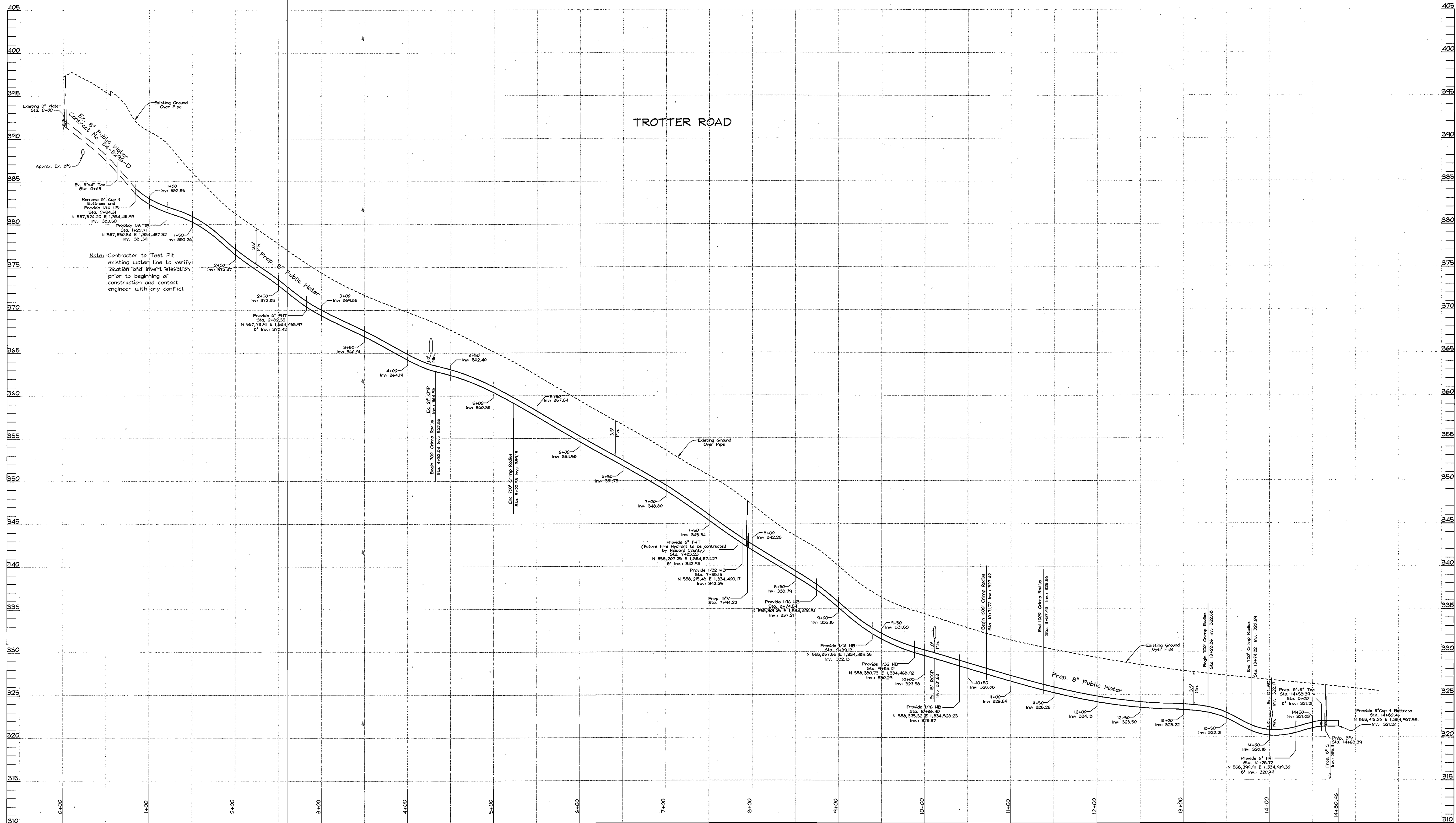
DESIGN BY:	PS
DRAWN BY:	GS
CHECKED BY:	ZTF
DATE:	May 24, 2008
BY NO.	KCI 2
REVISION	ADJUST DATA SHOWN
DATE	6/10/08
BY NO.	MA 1
REVISION	LOTS 3, 5, 9 - HOUSE ELEVATIONS RAISED
DATE	03/10/06

**WATER AND SEWER PLAN**

600' SCALE MAP NO.: 35 BLOCK NO.: 14

**CRICKET CREEK**  
LOTS 1 THRU 9 AND  
OPEN SPACE LOTS 10 AND 11  
CONTRACT NO. 34-1275-D  
TAX MAP #35 PARCEL 65  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET NO. 2 OF 5



**WATER PROFILE**  
 Scale: Horizontal-1"=50'  
 Vertical-1"=5'

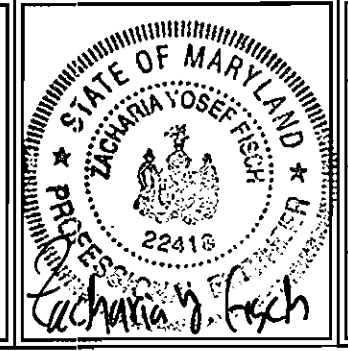
DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*Robert Berman* 6-3-05  
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING  
 HOWARD COUNTY, MARYLAND

*Chris Pannunzi* 6/1/05  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**FSH Associates**  
 Engineers Planners Surveyors  
 8318 Forrest Street, Ellicott City, MD 21043  
 Tel: 410-750-2251 Fax: 410-750-7350  
 E-mail: info@fsha.biz



DESIGN BY: PS  
 DRAWN BY: GS  
 CHECKED BY: ZYF  
 DATE: May 24, 2005

BY	NO.	REVISION	DATE

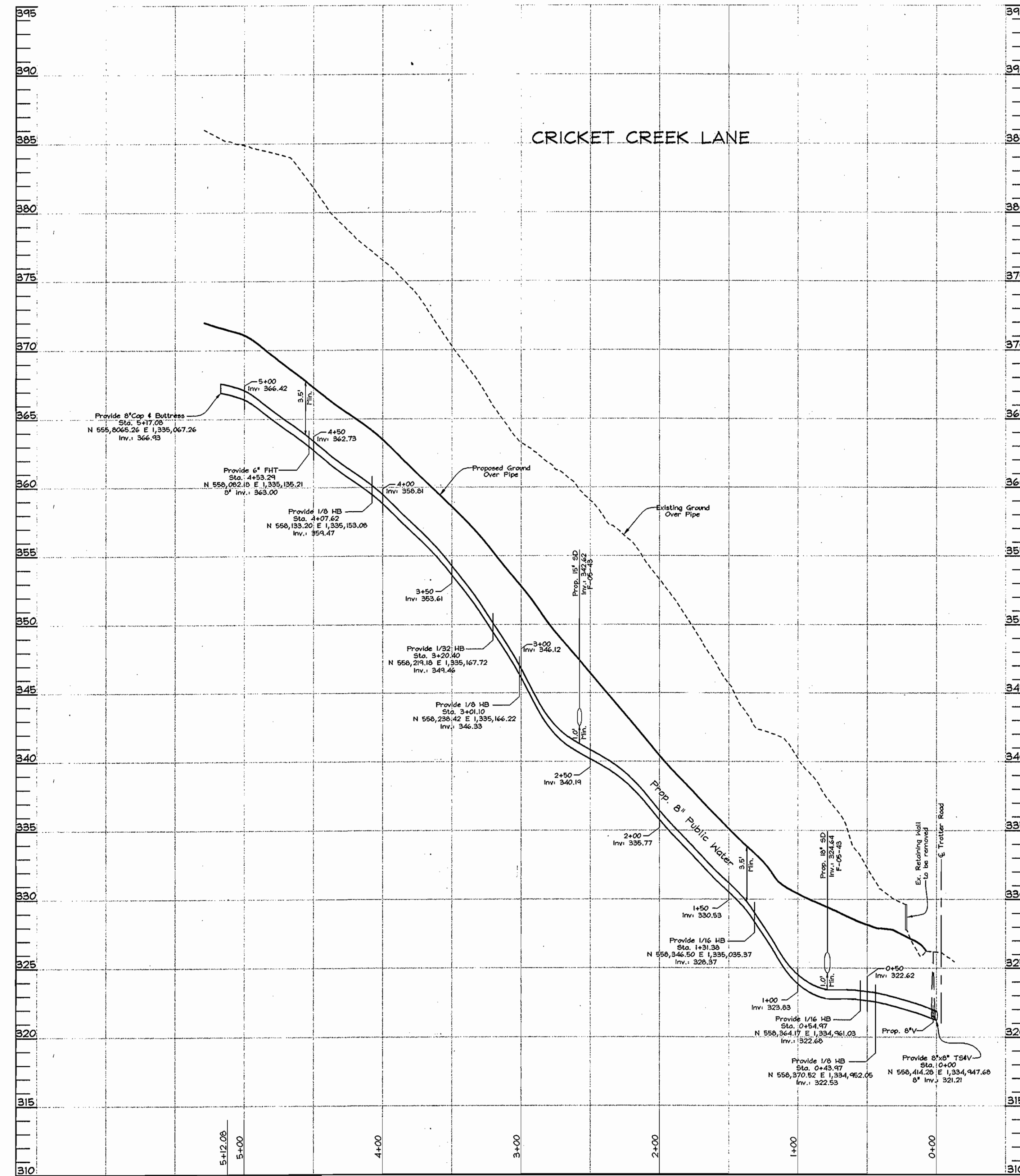
**WATER PROFILE**  
**TROTTER ROAD**

600' SCALE MAP NO.: 35 BLOCK NO.: 14

**CRICKET CREEK**  
 LOTS 1 THRU 9 AND  
 OPEN SPACE LOTS 10 AND 11  
**CONTRACT NO. 34-4275-D**  
 TAX MAP #35 PARCEL 65  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE  
 AS  
 SHOWN

SHEET NO.  
 3 OF 5



**WATER PROFILE**  
 Scale: Horizontal- 1"=50'  
 Vertical- 1"=5'

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

*R. J. Berman* 6-3-05  
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING  
 HOWARD COUNTY, MARYLAND

*M. J. Berman* 6/1/05  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

**FSH Associates**  
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 8318 Forrest Street Ellicott City, MD 21043  
 Tel: 410-750-2251 Fax: 410-750-7350  
 E-mail: info@fsha.biz



DESIGN BY: PS  
 DRAWN BY: GS  
 CHECKED BY: ZYF  
 DATE: May 24, 2005

BY	NO.	REVISION	DATE

**WATER PROFILE**  
**CRICKET CREEK LANE**

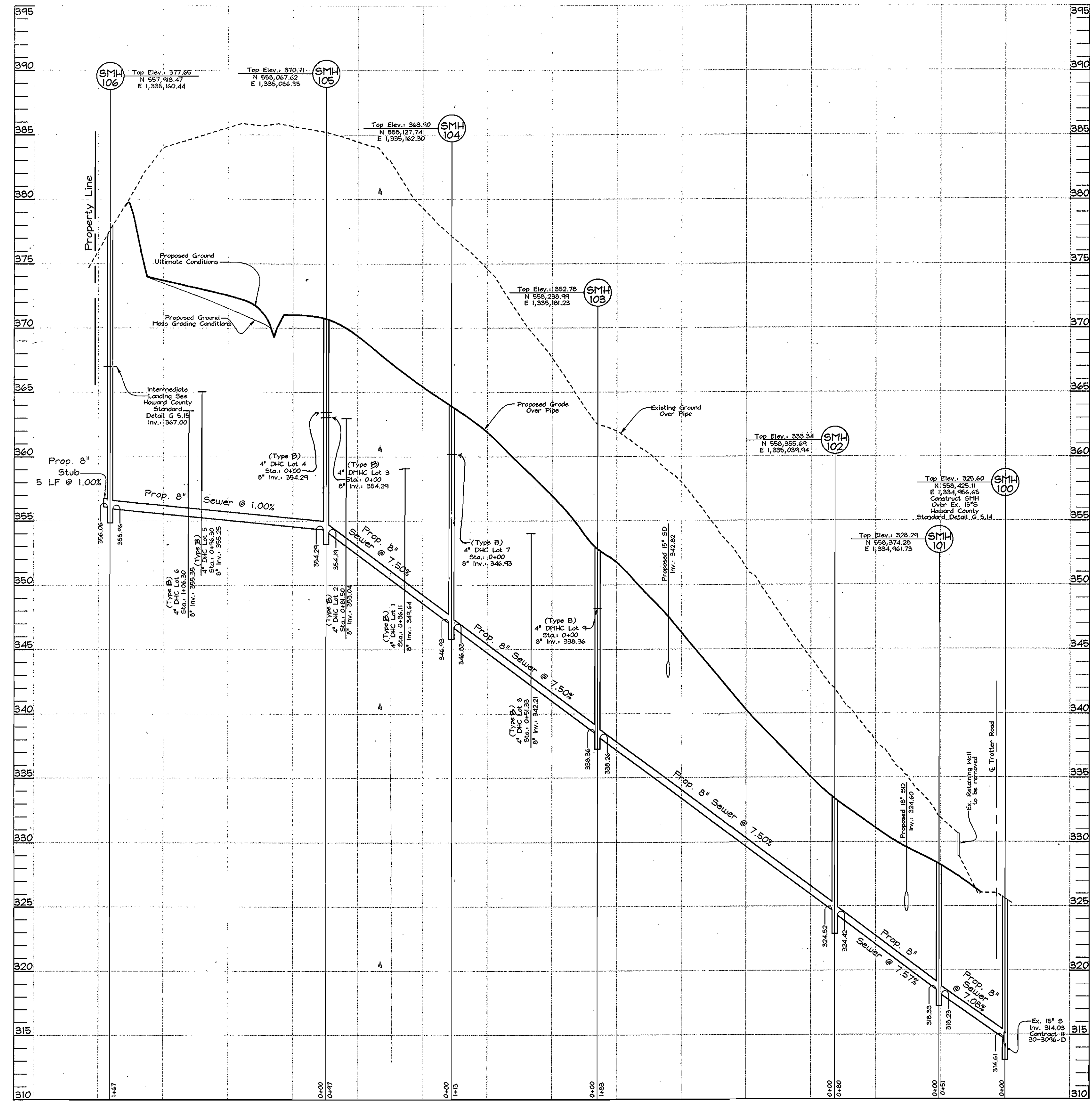
600' SCALE MAP NO.: 35 BLOCK NO.: 14

**CRICKET CREEK**  
 LOTS 1 THRU 9 AND  
 OPEN SPACE LOTS 10 AND 11  
**CONTRACT NO. 34-4275-D**

TAX MAP #35 PARCEL 65  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE  
 AS  
 SHOWN

SHEET NO.  
 4 OF 5



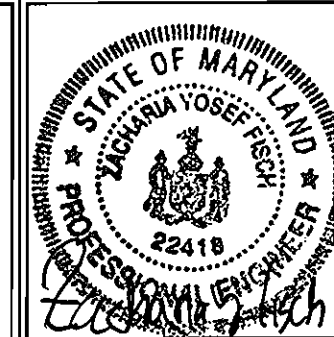
SEWER HOUSE CONNECTION CHART				
Lot #	Inv. of Main	Inv. @ R/W	MCE	Bmnt. E:
1	349.64	354.26	355.25	364.30
2	353.04	363.07	359.99	366.90
3	354.29	363.22	360.32	367.90
4	354.29	363.60	360.96	368.10
5	355.25	365.18	360.14	369.80
6	355.35	362.88	360.04	367.20
7	346.93	360.23	352.03	364.80
8	342.21	354.04	347.33	358.80
9	338.36	348.19	343.13	350.90

**SEWER PROFILE**  
 Scale: Horizontal - 1"=50'  
 Vertical - 1"=5'

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND

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 E-mail: info@fsh.biz



DESIGN BY: PS  
 DRAWN BY: GS  
 CHECKED BY: ZYF  
 DATE: May 24, 2005

NO.	REVISION	DATE
MA 1	LOT 1 THRU 9 - RAISED DROP HOUSE CONNECTIONS	03-17-06

**SEWER PROFILE**

600' SCALE MAP NO.: 35 BLOCK NO.: 14

**CRICKET C**  
 LOTS 1 THRU 9  
 OPEN SPACE LOT  
**CONTRACT NO.** 275-D  
 TAX MAP # 23  
 5TH ELECTION DISTRICT  
 PARCEL 65  
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
 SHEET NO. 5 OF 5