

PARCEL NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
D-1			
D-2			
D-2			
D-3			
D-3			

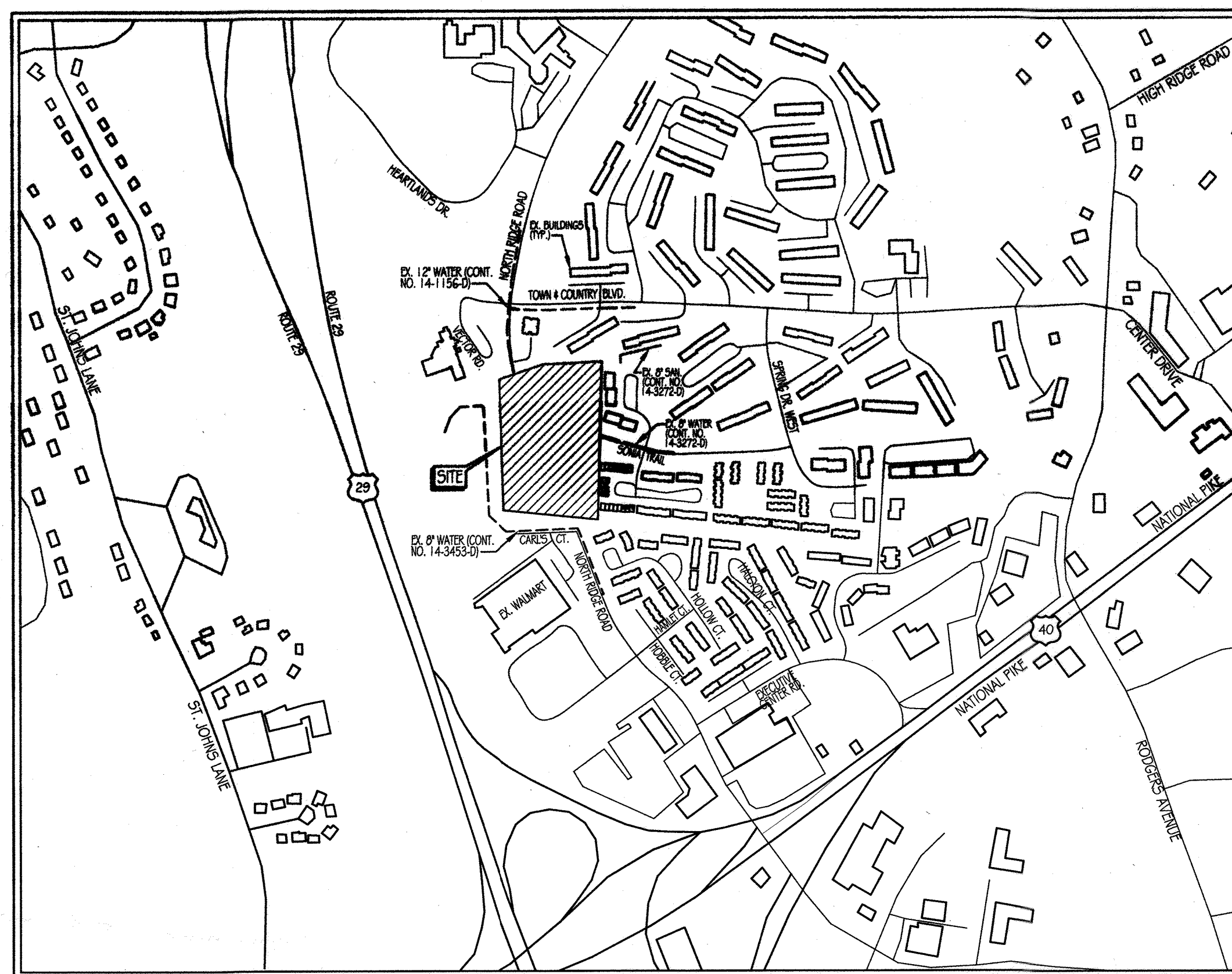
PARCEL NUMBER	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
D-1			
D-2			
D-2			
D-3			
D-3			

ITEM	ESTIMATE	UNIT	AS-BUILT
8" PVC SEWER	1,185	L.F.	1,210
SANITARY MANHOLE 4' DIA.	11	EA	11
SANITARY MANHOLE	135.3	V.F.	135.3
12" DIP WATER	874	L.F.	900
8" DIP WATER	608	L.F.	635
6" DIP WATER	267	L.F.	255
2" COPPER	70	L.F.	40
12" x 8" TEE	1	EA	1
12" x 6" TEE	5	EA	5
8" x 8" TEE	2	EA	2
8" x 6" TEE	2	EA	2
12" VALVE	2	EA	2
8" VALVE	4	EA	4
6" VALVE	7	EA	7
6" FIRE HYDRANT	4	EA	4
12" - 1/16" HORIZ. BEND	2	EA	2
8" - 1/8" HORIZ. BEND	2	EA	2

--- 425 ---	INTERMEDIATE CONTOUR
--- 430 ---	INDEX CONTOUR
○	EX. SANITARY MANHOLE
○	EX. WATER METER
○	SIGN
○	UTILITY POLE
○	EX. WATER VALVE
○	EX. FIRE HYDRANT
○	EX. CLEANOUT
○	EX. FIRE HYDRANT
○	EX. SANITARY PIPE
○	EX. WATER PIPE
○	EX. STORM DRAIN PIPE
○	CURB
○	FENCE
○	PROPERTY LINE
○	RIGHT OF WAY
○	SETBACK LINE
○	CONTOUR
○	CURB
○	PROP. SIDEWALK
○	PROP. WATER
○	PROP. SANITARY SEWER
○	PROP. 18" DRAIN
○	PROP. STORM DRAIN
○	PROP. SANITARY MANHOLE
○	PROP. FIRE HYDRANT
○	PROP. WATER VALVE
○	FIRE DEPARTMENT CONNECTION
○	STORM DRAIN INLET
○	STORM DRAIN END SECTION
○	LIGHT POLE (12' ARM)
○	LIGHT POLE (POST TOPS)

WATER & SANITARY SEWER PLANS ORCHARD MEADOWS

SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1" = 600'

INDEX OF SHEETS

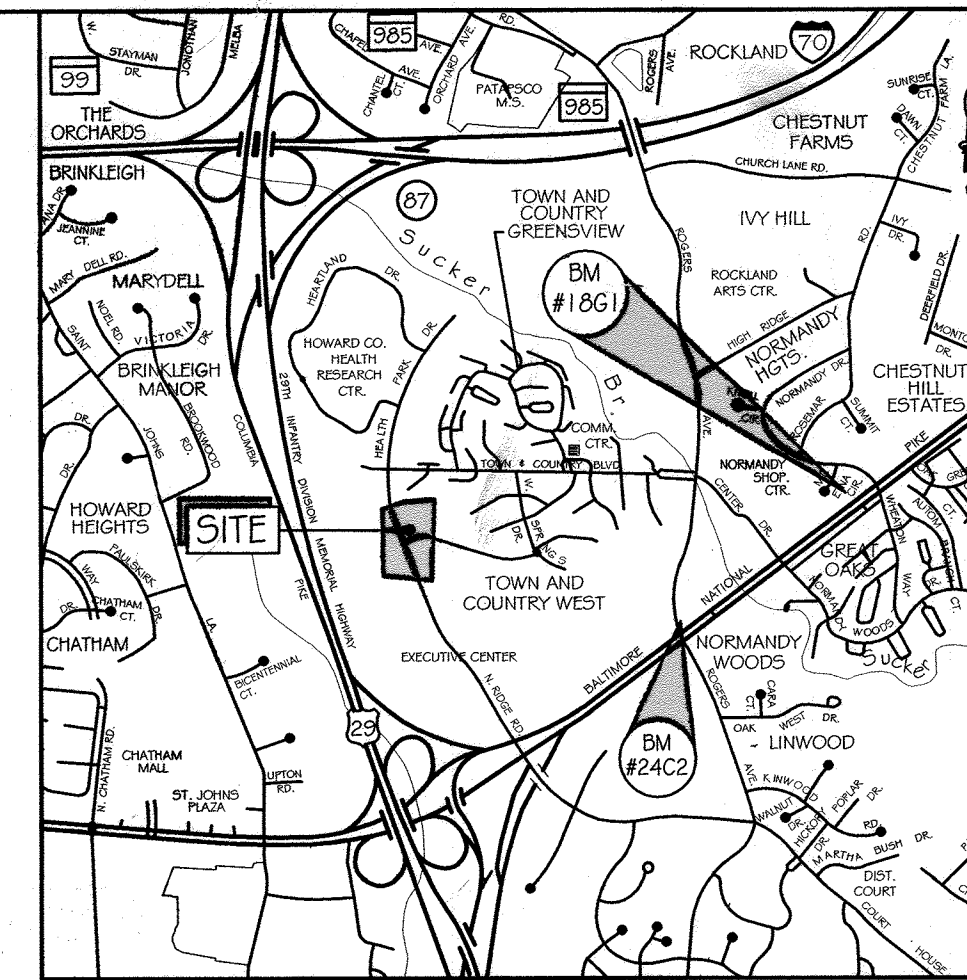
- 1 - COVER SHEET
- 2 - UTILITY PLAN
- 3 - WATER PROFILES
- 4 - WATER PROFILES
- 5 - SANITARY SEWER PROFILE
- 6 - SANITARY SEWER PROFILE

BENCHMARK DATA

THE HORIZONTAL AND VERTICAL DATUMS ARE BASED ON THE FOLLOWING HOWARD COUNTY GEODETIC SURVEY CONTROL POINTS

HORIZONTAL: NAD 83/07 VERTICAL: NAVD 29

CONTROL	NORTHING	EASTING	ELEV.
1861	589985.015	1367750.237	407.740
24C2	500648.373	1366038.139	354.028



LOCATION MAP
SCALE: 1" = 2000'
ADC MAP COORDINATES: 12-6C

TYPE OF BUILDING: RESIDENTIAL
NUMBER OF PARCELS: 3
NUMBER OF WATER HOUSE CONNECTIONS: 5
NUMBER OF SEWER HOUSE CONNECTIONS: 5
DRAINAGE AREA: POTAPSCO
TREATMENT PLANT: PATAPSCO WASTE WATER TREATMENT PLANT
WATER ZONE: 550
TEST GRADIENT: 700

SEWER NOTES

- ALL SEWER MAINS SHALL BE DIP 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 GS.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.

WATER NOTES

- ALL WATER MAINS TO BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO 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 THE 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 RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. THE 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.
- TRACER WIRE AND CONTINUITY TEST STATIONS SHALL BE INSTALLED ON ALL DIP AND PVC WATER MAINS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.
- 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 SACRIFICED 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 HARNESS. ZINC ANODES SHALL BE INSTALLED ON ALL STAINLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL "TREES" USED WITH PVC MAINS SHALL BE DUCTILE IRON.

GENERAL NOTES

- 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 BY FISHER, COLLINS, CARTER, INC. IN AUGUST 2006.
- THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM AND 83/07 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 1861 AND NO. 24C2. ALL VERTICAL CONTROLS ARE BASED ON NAVD 29. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE IRON BARS.
- 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 THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF 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 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 BORING SYMBOL. AT THE LOCATIONS OF THE TEST PITS, A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS ARE 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:

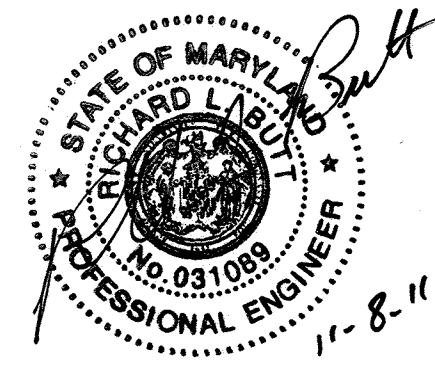
AT & T	1-800-252-1133
BGE (CONSTRUCTION SERVICES)	1-410-850-4620
BGE (EMERGENCY)	1-410-285-1400
BUREAU OF UTILITIES	1-410-313-4900
COLONIAL PIPELINE COMPANY	1-410-795-1390
MESS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	1-410-531-5533
VERIZON	1-800-743-0033 / 1-410-224-9210
- TREES AND SHRUBS 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 THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR 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(A) OF THE HOWARD COUNTY CODE.

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE STANDARD SPECIFICATION.

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

John R. Blanton 4/29/11
HOWARD S.C.D. DATE

PROFESSIONAL CERTIFICATION: 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.: 31089 EXPIRATION DATE: 11/12/12



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Silvia C. Lewis 11/25/11
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
John R. Blanton 12/5/11
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
KCI
3161 MARLBOROUGH BLVD, SUITE 150
FLEXBOK, MARYLAND 20759
PHONE: (410) 792-8086
FAX: (410) 792-7419
WWW.KCI.COM

CONTRACT PURCHASER / DEVELOPER:
ORCHARD DEVELOPMENT CORPORATION
5032 DORSEY HALL DRIVE
ELLCOTT CITY, MD 21042
(410) 964-2334
OWNER:
WILDER BUILDING CORPORATION
3300 SONIA TRAIL
ELLCOTT CITY, MD 21043
(410)-461-2522

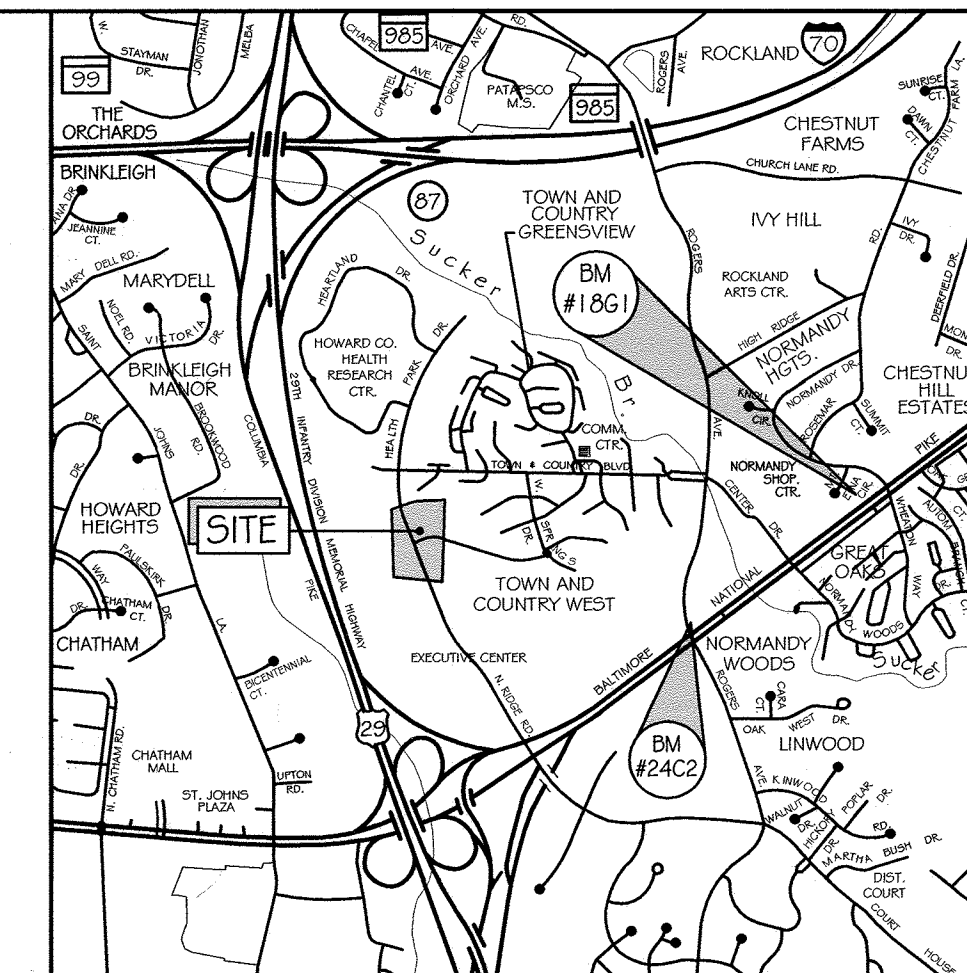
DESIGN:	B.E.S.
DRAWN:	C.T.B.
CHECKED:	R.L.B.
DATE:	11-3-2011
BY:	KCI
NO.:	AS-BUILT
REVISION:	
DATE:	9/24/12

600' SCALE MAP NO.: 17 GRID: 7-C PARCEL: 711

ORCHARD MEADOWS
PARCEL D-1, D-2 & D-3
TAX MAP: 17 GRID: 23 PARCEL: 711
ZONED: R-A-15
ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND CONTRACT # 14-4711-D
SCALE 1" = 600'
PROJECT # 27101.05
SHEET 1 OF 6



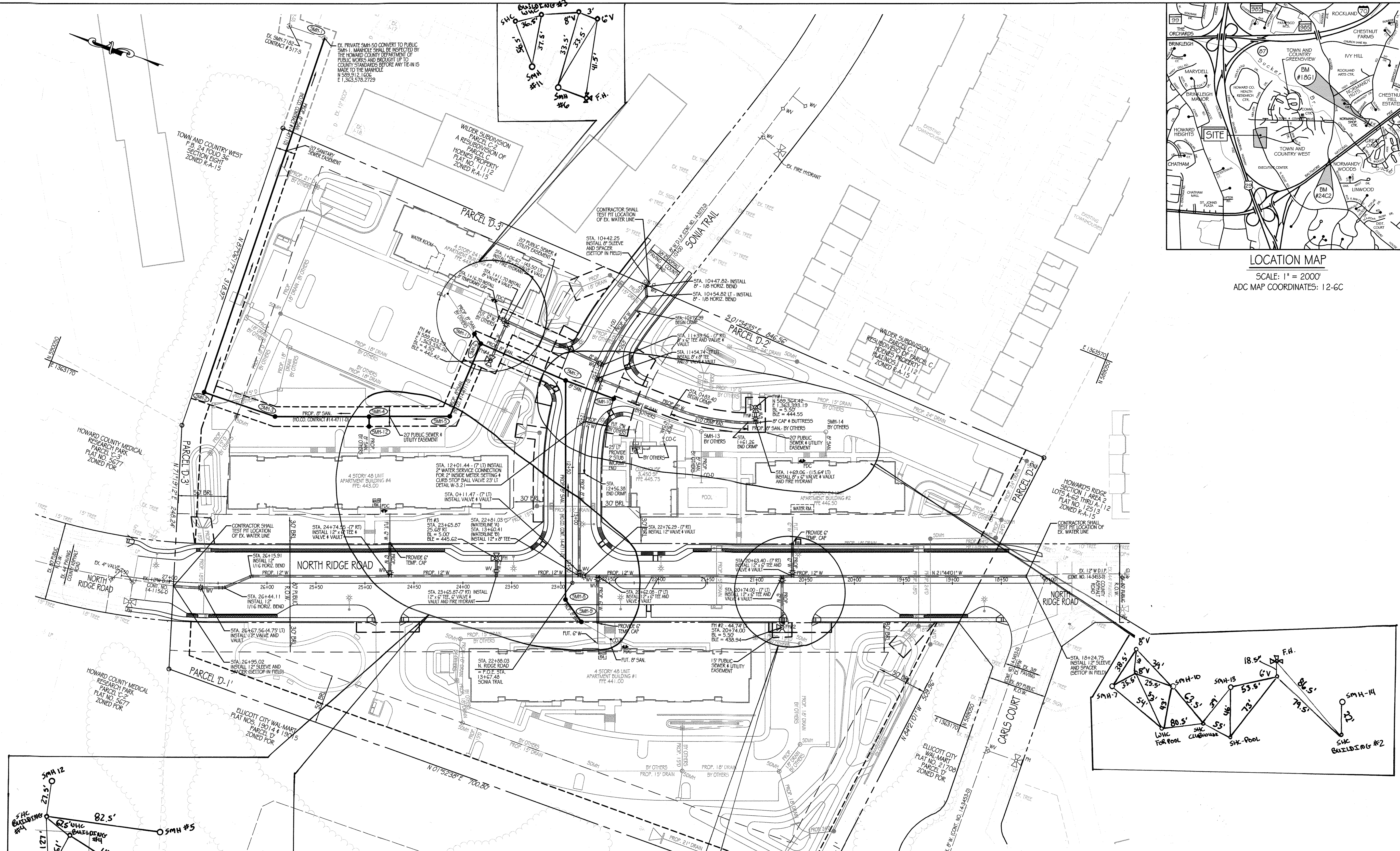
VICINITY MAP
SCALE: 1" = 600'



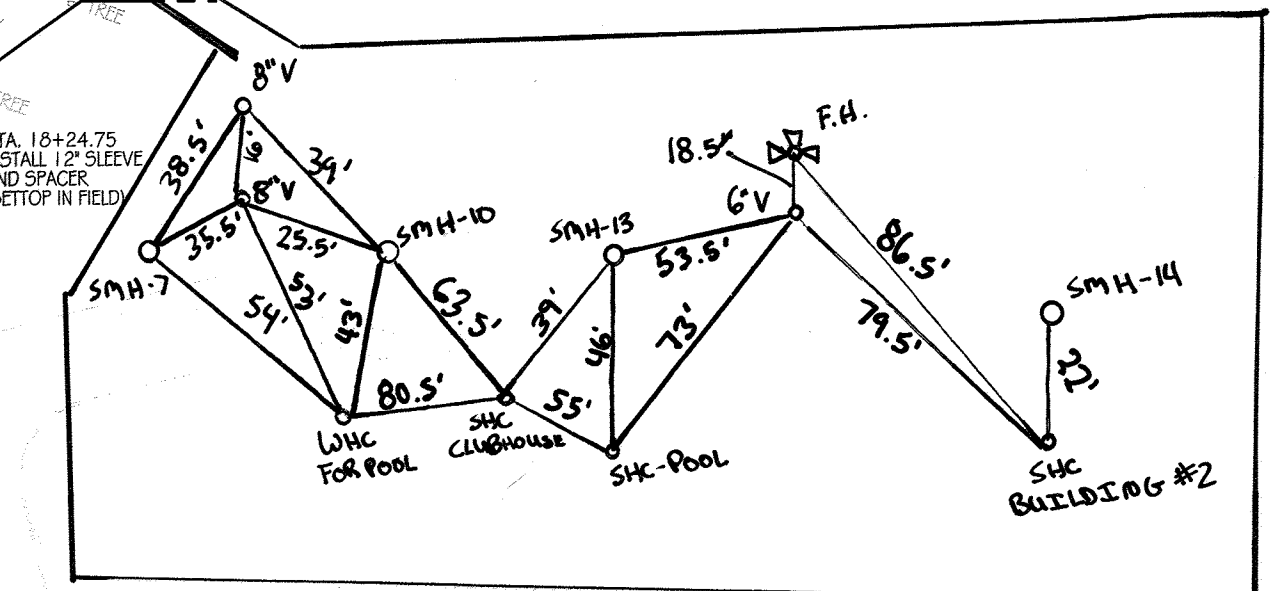
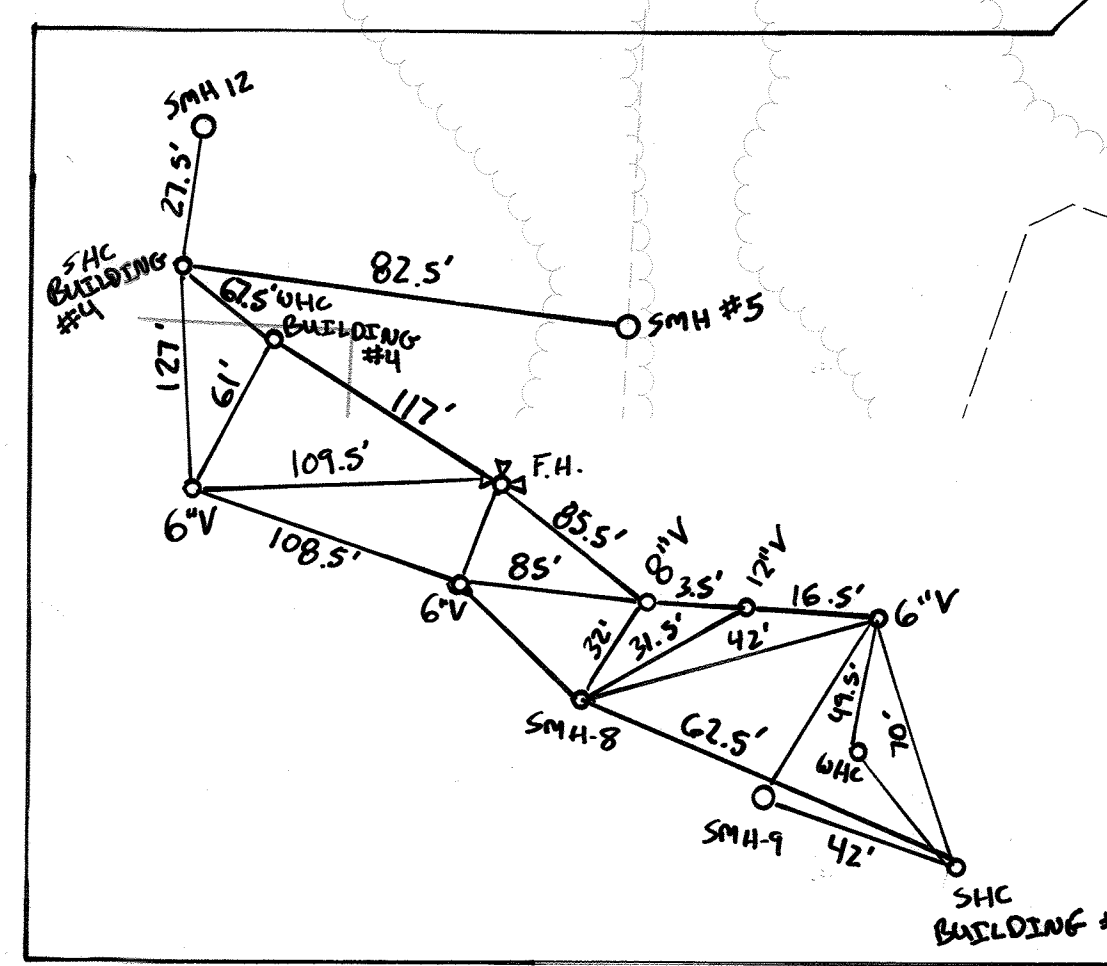
LOCATION MAP
SCALE: 1" = 2000'
ADC MAP COORDINATES: 12-6C

LEGEND

- 426 --- INTERMEDIATE CONTOUR
- 430 --- INDEX CONTOUR
- ⊙ EX. SANITARY MANHOLE
- ⊙ EX. WATER METER
- ⊙ SIGN
- ⊙ UTILITY POLE
- ⊙ EX. WATER VALVE
- ⊙ EX. FIRE HYDRANT
- ⊙ EX. CLEANOUT
- ⊙ EX. SANITARY PIPE
- ⊙ EX. WATER PIPE
- ⊙ EX. STORM DRAIN PIPE
- CURB
- FENCE
- PROPERTY LINE
- RIGHT OF WAY
- SETBACK LINE
- 430 --- CONTOUR
- CURB
- PROP. SIDEWALK
- PROP. WATER
- PROP. SANITARY SEWER
- STORM DRAIN
- ⊙ PROP. SANITARY MANHOLE
- ⊙ PROP. FIRE HYDRANT
- ⊙ PROP. WATER VALVE
- ⊙ FIRE DEPARTMENT CONNECTION
- ⊙ STORM DRAIN INLET
- ⊙ STORM DRAIN END SECTION
- ⊙ LIGHT POLE (12' ARM)
- ⊙ LIGHT POLE (POST TOPS)

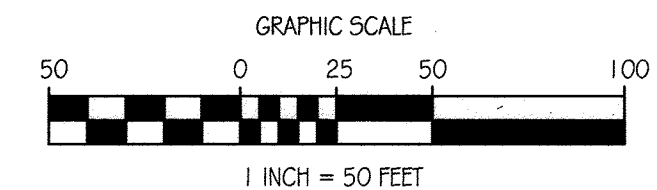
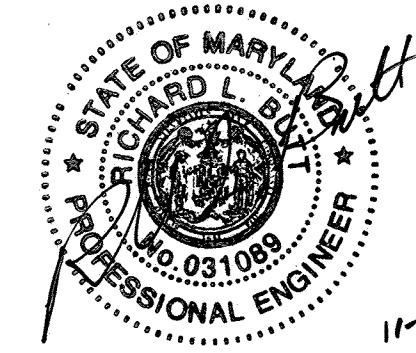


UTILITY PLAN
SCALE: 1" = 50'

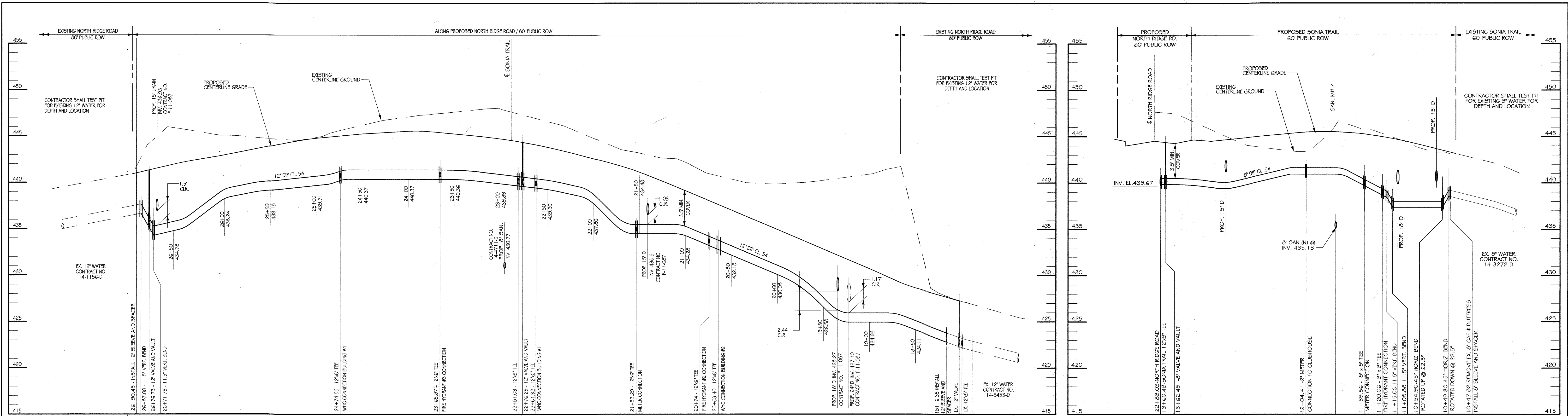


SANITARY SEWER STRUCTURE SCHEDULE							
NO.	DESCRIPTION	TOP ELEV.	INV. IN	INV. OUT	REMARKS	COORDINATES	
						NORTHING	EASTING
EX. SMH-1	EX. MANHOLE	410.40	404.91	404.91	EXISTING	589,950.1119	1,363,576.3497
SMH-1	STD. 4" MANHOLE	414.94	408.61	408.71	HOWARD CO. STD. DETAIL G-5.12	589,912.1606	1,363,576.2729
SMH-2	STD. 4" MANHOLE	434.10	424.66	424.56	HOWARD CO. STD. DETAIL G-5.12	589,892.9595	1,363,198.6395
SMH-3	STD. 4" MANHOLE	439.74	425.45	425.35	HOWARD CO. STD. DETAIL G-5.12	589,816.5330	1,363,202.5050
SMH-4	TYPE B DROP MH	441.80	434.00 / 426.41	426.31	HOWARD CO. STD. DETAIL S-1.32	589,727.4006	1,363,238.0354
SMH-5	STD. 4" MANHOLE	441.75	427.23	427.13	HOWARD CO. STD. DETAIL G-5.12	589,679.9607	1,363,303.8734
SMH-6	TYPE B DROP MH	441.51	434.90 / 428.05	427.95	HOWARD CO. STD. DETAIL S-1.32	589,719.0189	1,363,350.7311
SMH-7	TYPE B DROP MH	445.35	434.94 / 429.00	428.90	HOWARD CO. STD. DETAIL S-1.32	589,554.3220	1,363,346.1040
SMH-8	STD. 4" MANHOLE	444.45	432.10	432.00	HOWARD CO. STD. DETAIL G-5.12	589,471.8535	1,363,139.2222
SMH-9	STD. 4" MANHOLE	445.22	431.76	431.66	HOWARD CO. STD. DETAIL G-5.12	589,448.3823	1,363,124.1749
SMH-10	STD. 4" MANHOLE	445.63	435.36	435.36	HOWARD CO. STD. DETAIL G-5.12	589,501.7713	1,363,347.2740
SMH-11	STD. 4" MANHOLE	441.73	435.24	435.14	HOWARD CO. STD. DETAIL G-5.12	589,658.4849	1,363,355.5133
SMH-12	STD. 4" MANHOLE	442.02	434.30	434.20	HOWARD CO. STD. DETAIL G-5.12	589,723.6377	1,363,228.7463

PROFESSIONAL CERTIFICATION: 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.: 31089
EXPIRATION DATE: 11/12/21



DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Chief, Bureau of Utilities Date: 12/5/11	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND Chief, Development Engineering Division Date: 12/5/11	KCI TECHNOLOGIES 8161 Marie Linn Blvd, Suite 150 Ellicott City, MD 21043 Phone: (410) 792-8086 Fax: (410) 792-7419 www.kci.com	CONTRACT PURCHASER / DEVELOPER: ORCHARD DEVELOPMENT CORPORATION 5032 DORSEY HALL DRIVE ELlicOTT CITY, MD 21042 (410) 964-2334 OWNER: WILDER BUILDING CORPORATION 3300 SONIA TRAIL ELlicOTT CITY, MD 21043 (410) 461-2522	DESIGN: B.E.S. DRAWN: C.T.B. CHECKED: R.L.B. DATE: 11-3-2011 BY: KCE NO. AS-BUILT REVISION: 9/2012	UTILITY PLAN PARCEL D-1, D-2 & D-3 TAX MAP: 17 GRID: 23 PARCEL: 711 ZONED: R-A-15 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND CONTRACT # 14-4711-D	SCALE: 1" = 50' PROJECT # 27101105 SHEET 2 OF 6
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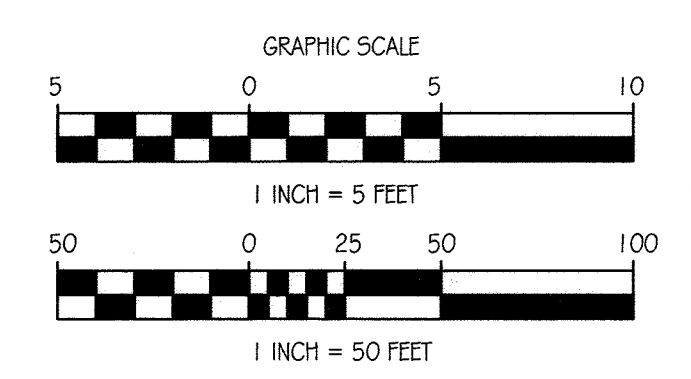


12" PUBLIC WATER PROFILE

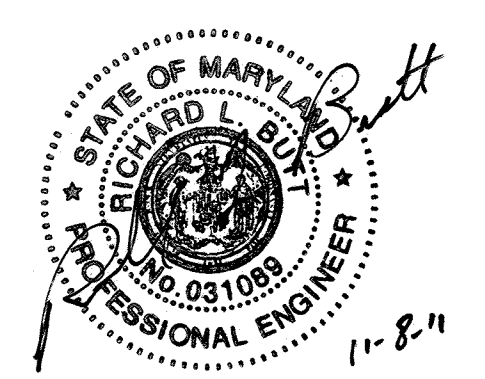
CENTERLINE STATIONING
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

8" PUBLIC WATER PROFILE

CENTERLINE STATIONING
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'



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DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
S. Chen
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
R. DeMunn
CHIEF, DEVELOPMENT ENGINEERING DIVISION

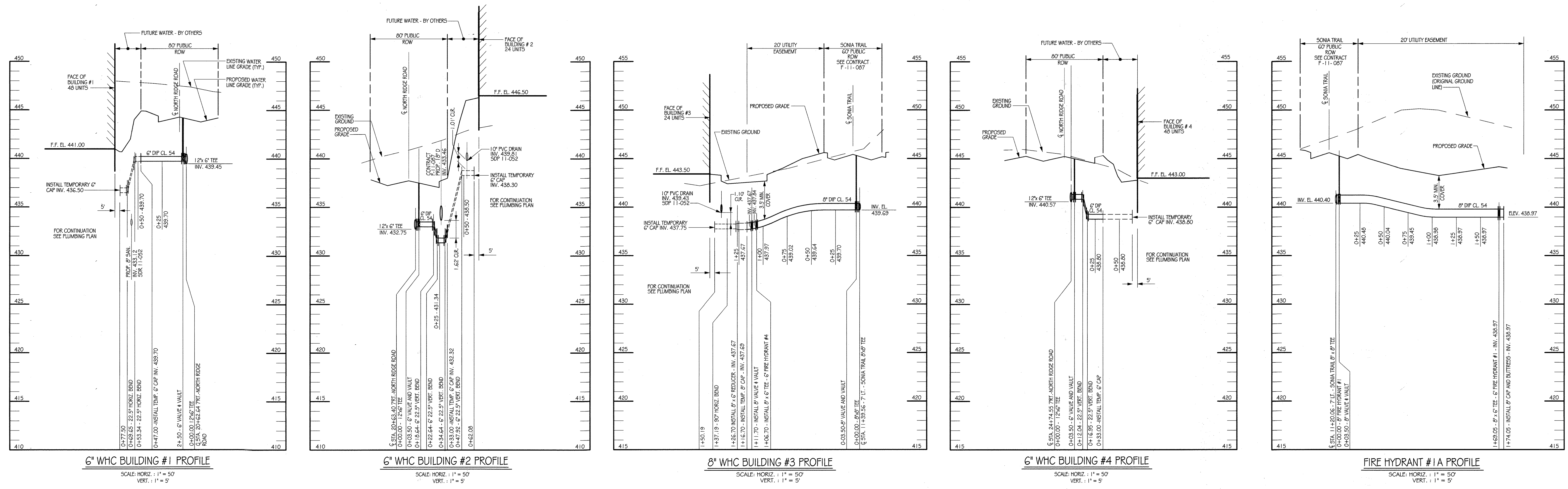
ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS
KCI
TECHNOLOGIES
8161 MARY LANE BLDG. SUITE 150
FELTON, MARYLAND 20759
PHONE (410) 792-8086
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DESIGN:	B.E.S.
DRAWN:	C.T.B.
CHECKED:	R.L.B.
DATE:	11-3-2011
BY	NO.
REVISION	

WATER PROFILE SHEET

ORCHARD MEADOWS
PARCEL D-1, D-2 & D-3
TAX MAP: 17 GRID: 23 PARCEL: 711
ZONED: R-A-15
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND
CONTRACT # 14-4711-D
SCALE AS SHOWN
PROJECT # 27101105
SHEET 3 OF 6



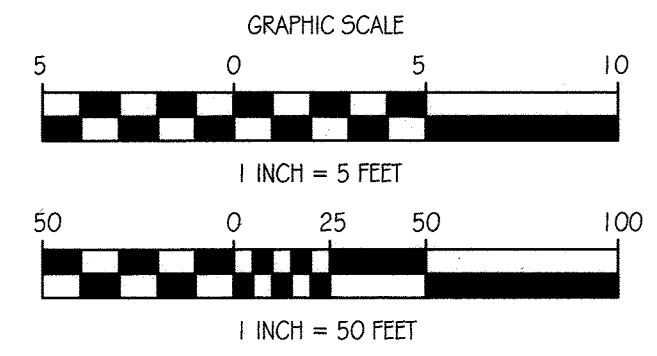
6" WHC BUILDING #1 PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

6" WHC BUILDING #2 PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

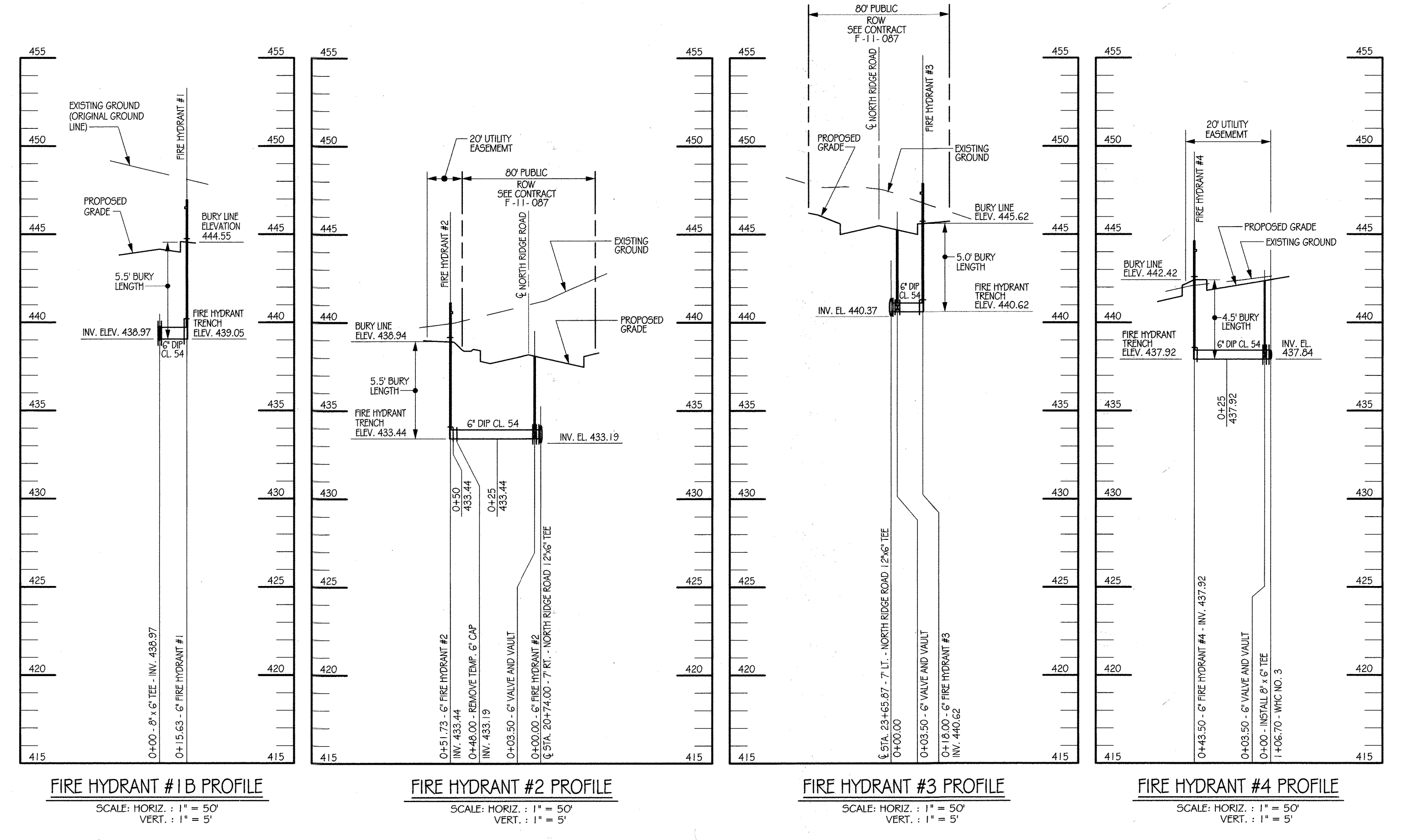
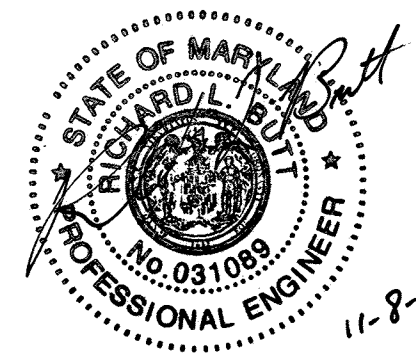
8" WHC BUILDING #3 PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

6" WHC BUILDING #4 PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

FIRE HYDRANT #1 A PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'



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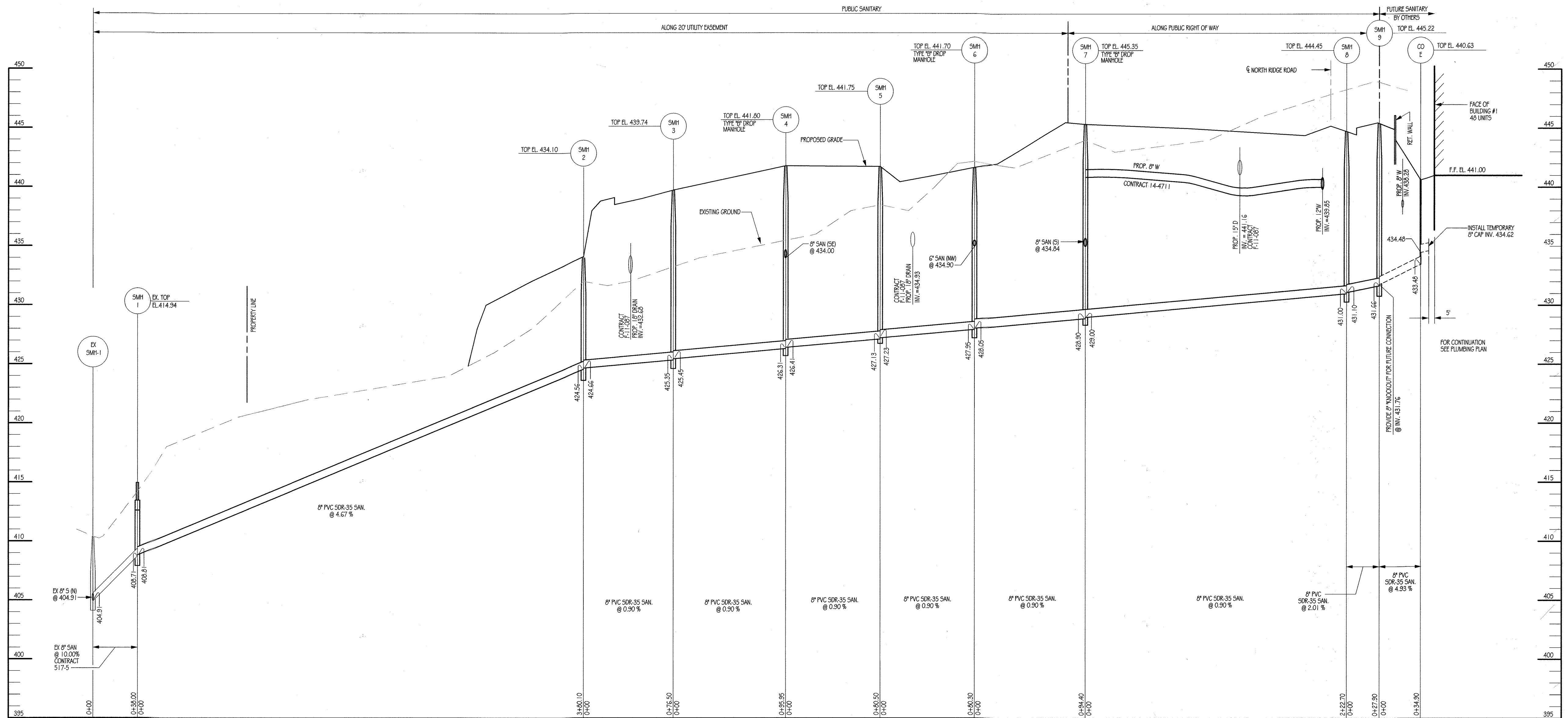
FIRE HYDRANT #1B PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

FIRE HYDRANT #2 PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

FIRE HYDRANT #3 PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

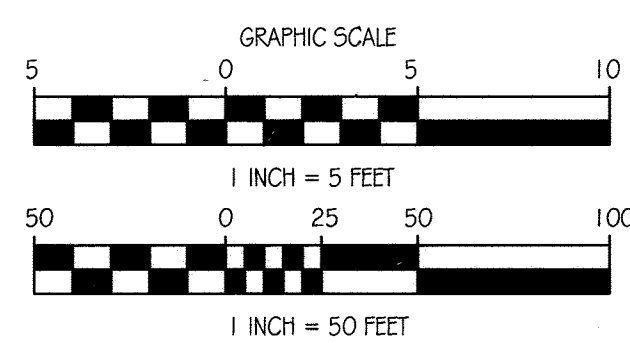
FIRE HYDRANT #4 PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND CHIEF, DEVELOPMENT ENGINEERING DIVISION	 ENGINEERS PLANNERS SCIENTISTS CONSTRUCTION MANAGERS 8161 M AVE L, WY BLDG, SUITE 150 FULFORD, MARYLAND 20759 PHONE: (410) 792-8086 FAX: (410) 792-7419 WWW.KCI.COM	CONTRACT PURCHASER / DEVELOPER: ORCHARD DEVELOPMENT CORPORATION 5032 DORSEY HALL DRIVE ELLICOTT CITY, MD 21042 (410) 964-2334 OWNER: WILDER BUILDING CORPORATION 3300 SONIA TRAIL ELLICOTT CITY, MD 21043 (410) 461-2522	DESIGN: B.E.S. DRAWN: C.T.B. CHECKED: R.L.B. DATE: 11-3-2011	REVISION BY NO. DATE	WATER PROFILE SHEET 600' SCALE MAP NO.: 17 GRID: 7-C PARCEL: 711	ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND CONTRACT # 14-4711-D	SCALE AS SHOWN PROJECT # 27101105 SHEET 4 OF 6
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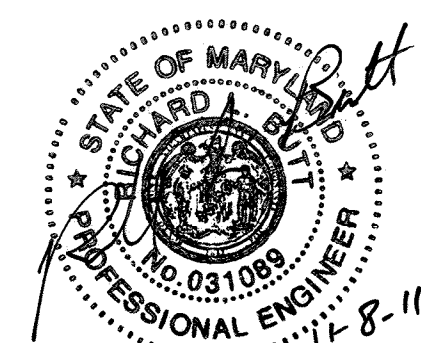


SANITARY SEWER PROFILE

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



PROFESSIONAL CERTIFICATION: 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.: 31089
EXPIRATION DATE: 11/12/12



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Silvia C. ...
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

...
CHIEF, DEVELOPMENT ENGINEERING DIVISION

KCI TECHNOLOGIES
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CONTRACT PURCHASER / DEVELOPER:
ORCHARD DEVELOPMENT CORPORATION
5032 DORSEY HALL DRIVE
ELLCOTT CITY, MD 21042
(410) 964-2334

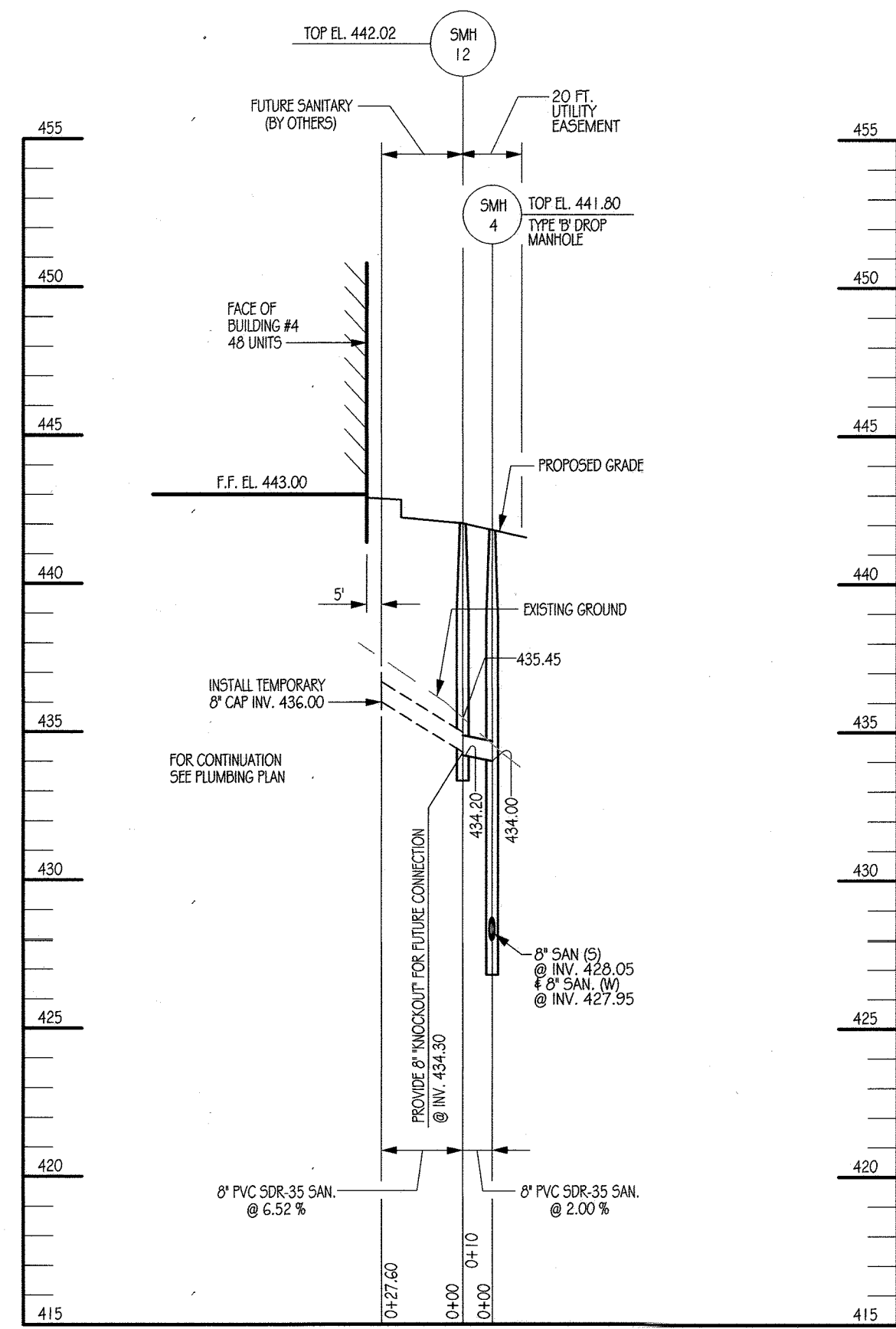
OWNER:
WILDER BUILDING CORPORATION
3300 SONIA TRAIL
ELLCOTT CITY, MD 21043
(410)-461-2522

DESIGN:	B. E. S.
DRAWN:	C. T. B.
CHECKED:	R. L. B.
DATE:	11-3-2011
BY:	NO.
REVISION:	
DATE:	

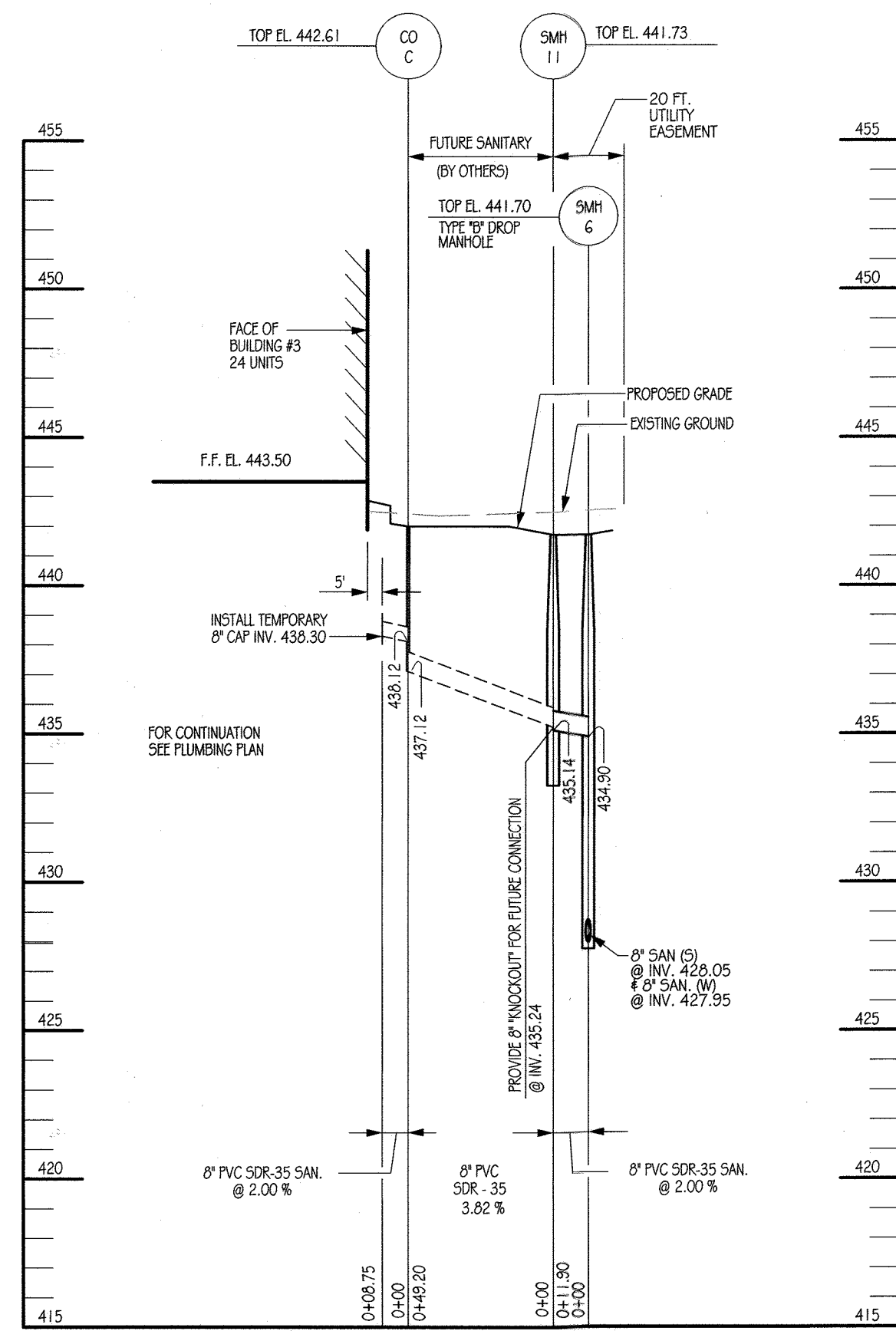
SANITARY PROFILE SHEET

ORCHARD MEADOWS
PARCEL D-1, D-2 & D-3
TAX MAP: 17 GRID: 23 PARCEL: 711
ZONED: R-A-15
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND
CONTRACT # 14-4711-D

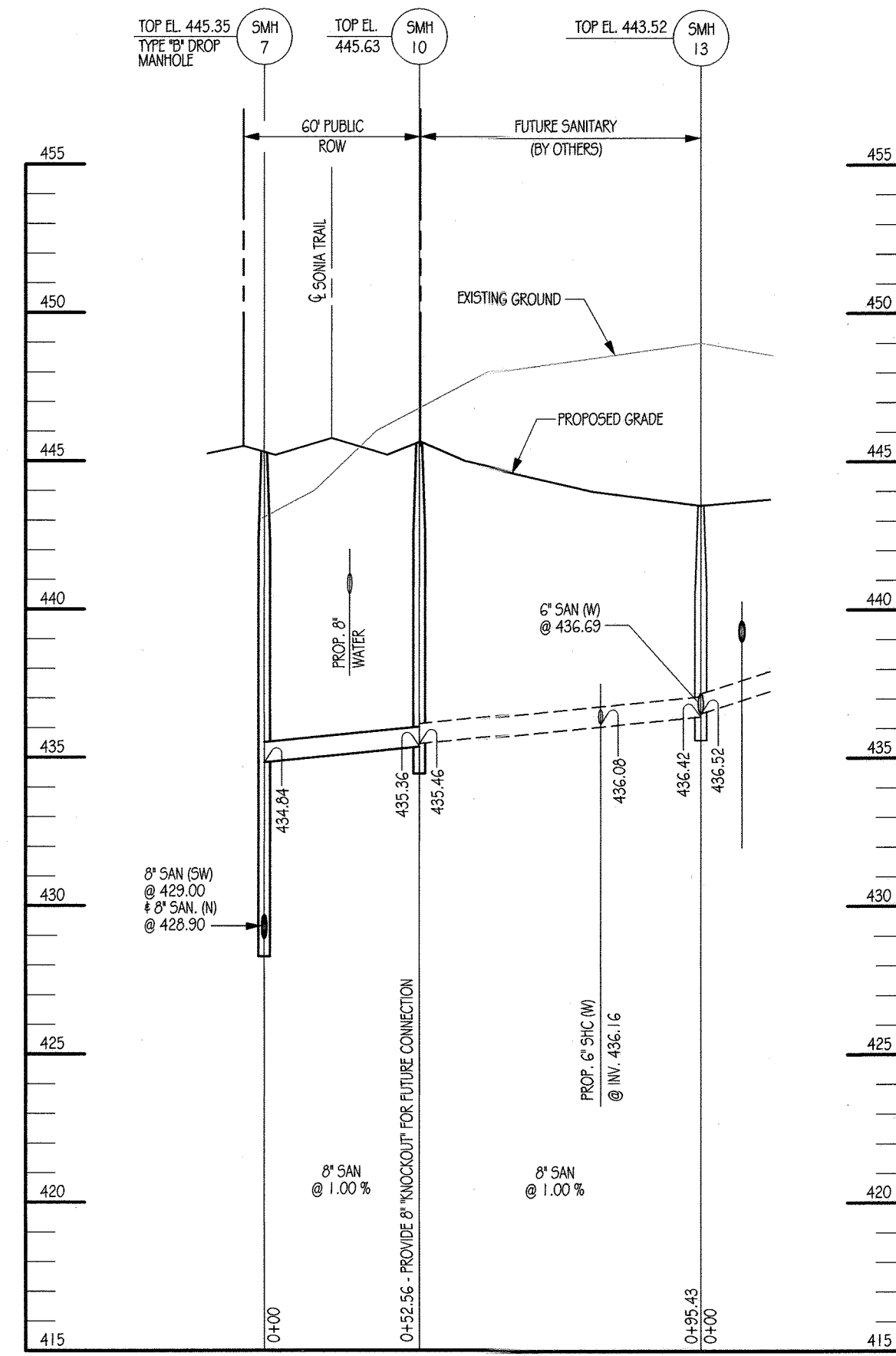
SCALE AS SHOWN
PROJECT # 27101105
SHEET 5 OF 6



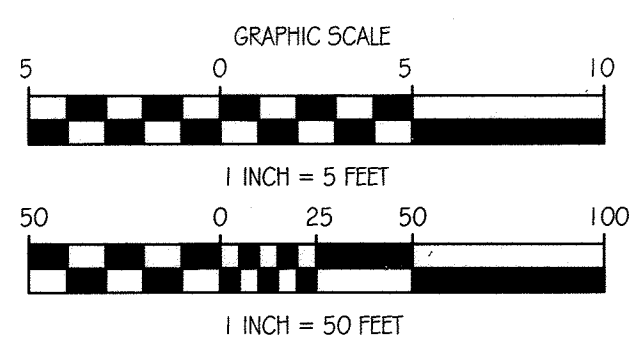
SANITARY SEWER PROFILE
SCALE: HORIZ. : 1" = 50'
VERT. : 1" = 5'



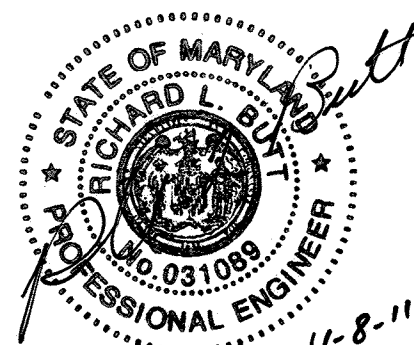
SANITARY SEWER PROFILE
SCALE: HORIZ. : 1" = 50'
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SANITARY SEWER PROFILE
SCALE: HORIZ. : 1" = 50'
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DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Silva C. Gorman</i> CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND <i>[Signature]</i> 12/5/11 CHIEF, DEVELOPMENT ENGINEERING DIVISION	 ENGINEERS PLANNERS SCIENTISTS CONSTRUCTION MANAGERS 8161 MARL LANE BLVD, SUITE 150 FULTON, MARYLAND 20759 PHONE: (410) 792-9086 FAX: (410) 792-2419 www.kci.com	CONTRACT PURCHASER / DEVELOPER: ORCHARD DEVELOPMENT CORPORATION 5032 DORSEY HALL DRIVE ELICOTT CITY, MD 21042 (410) 964-2334 OWNER: WILDER BUILDING CORPORATION 3300 SONIA TRAIL ELICOTT CITY, MD 21043 (410) 461-2522	DESIGN: B.E.S. DRAWN: C.T.B. CHECKED: R.L.B. DATE: 11-3-2011	REVISION BY NO. DATE	SANITARY PROFILE SHEET	ORCHARD MEADOWS PARCEL D-1, D-2 & D-3 TAX MAP: 17 GRID: 23 PARCEL: 711 ZONED: R-A-15 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND CONTRACT # 14-4711-D	SCALE AS SHOWN PROJECT # 27101105 SHEET 6 OF 6
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