

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUF./SUPPLIER
8" WATER	450.0 L.F.	450.0 L.F.	CL. 54 D.I.P.	GRIFFIN PIPE
4" WATER	143.5 L.F.	144.0 L.F.	D.I.P.	GRIFFIN PIPE
FIRE HYDRANTS	2 EA.	2 EA.	5'-0" (B&E)	AMERICAN FLOW CONTROL
1" WHC	274.0 L.F.	274.0 L.F.	TYPE "K" COPPER TUBE	CAMBRIDGE-LEE
8" x 6" FH TEE	2 EA.	2 EA.	D.I.P.	SIGMA
8" x 16" TSV	1 EA.	1 EA.	FAST TAPPING SLEEVE 250651 YAMVE	ROAD METER BOX AMERICAN FLOW CONTROL
8" x 4" REDUCER	1 EA.	1 EA.	D.I.P.	SIGMA
8" CAP & BUTT.	1 EA.	1 EA.	M.J.	SIGMA
8" SEWER	945.0 L.F.	945.0 L.F.	SDR-35	J.M. PIPE
4" SHC	176.5 L.F.	177.0 L.F.	SDR-35	J.M. PIPE
MANHOLES	5 EA.	5 EA.	PRECAST CONC.	CONTRACTORS PRECAST CORP.

NAME OF UTILITY CONTRACTOR: C.J. MILLER
 SURVEY AND DRAFTING DIVISION AS-BUILT DATE: 7/28/10

PUBLIC WATER AND SEWER CONSTRUCTION PLANS CEDAR GROVE LOTS 1 THRU 12 AND OPEN SPACE LOTS 13 THRU 15 TAX MAP 29 - GRID 17 - PARCEL 65 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT No.24-4425-D

BENCH MARKS (NAD '83)

HO. CO. #29ID ELEV. 473.938
 STANDARD DISC ON CONCRETE MONUMENT
 HO. CO. BOARD OF EDUCATION ENTRANCE
 1.5' NW FROM END OF SDWJK. ON NW EOP
 N 571,234.369 E 1,343,193.07

HO. CO. #29IA ELEV. 482.291
 STANDARD DISC ON CONCRETE MONUMENT
 WEST SIDE OF CEDAR LA. 3.9' FROM EOP
 41.7' S OF FH, ±0.4M S OF MD RTE 108
 N 568,986.053 E 1,343,640.14

ADC MAP 15, GRIDS C-3
VICINITY MAP
SCALE: 1"=2000'

GENERAL NOTES

- PART 1 - GENERAL**
- APPROXIMATE LOCATION 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 SURVEYS WERE PERFORMED ON OR ABOUT OCTOBER, 2003 AND DECEMBER, 2004 BY BENCHMARK ENGINEERING, INC. AND ARE SHOWN AT 2' INTERVALS.
 - 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 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 THE 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 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.
 - 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 FITS 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.
 - CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

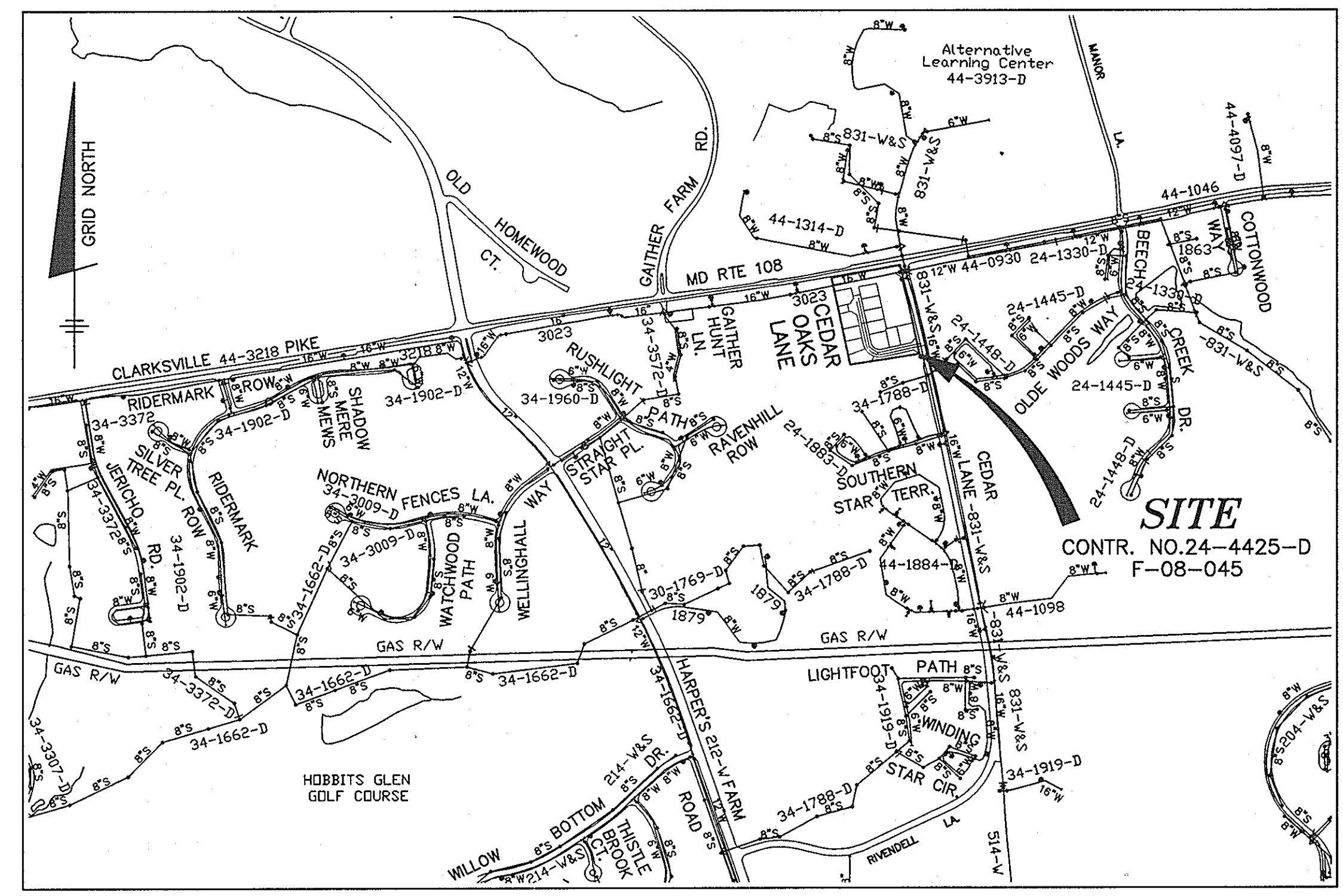
AT&T	1-800-252-1133
B&E (CONSTRUCTION SERVICES)	410-850-4620
B&E (EMERGENCY)	410-885-1400
HO. CO. DPW - BUREAU OF UTILITIES	410-313-4900
COLONIAL PIPELINE CO.	410-795-1390
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533
VERIZON	1-800-743-0033/410-224-9210
 - TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO 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 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 18.114(a) OF THE HOWARD COUNTY CODE.
- PART 2 - WATER**
- 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" 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 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 INSTALLED IN ACCORDANCE WITH 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.
 - ALL WATER HOUSE CONNECTIONS (WHC) SHALL BE FOR INSIDE METER SETTINGS UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.
- PART 3 - 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 G-5.52. 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.

LEGEND

EXIST. WATER MAIN	
EXIST. SEWER MAIN	
EXIST. SEWER MANHOLE	
EXIST. STORM DRAIN	
PROP. WATER MAIN	
PROP. SEWER MAIN	
PROP. STORM DRAIN	
(BY OTHERS)	
PROP. SEWER MANHOLE	
PROP. TERMINAL MANHOLE	
PROP. SEWER HOUSE CONNECTION	
PROP. DROP SEWER HOUSE CONN.	
(SEE PLAN VIEW FOR TYPE)	
PROP. WATER HOUSE CONNECTION	
PROP. FIRE HYDRANT	
PROP. VALVE	
PROP. PLUG & BUTTRESS	

SHEET INDEX

NO.	DESCRIPTION
1	PUBLIC WATER & SEWER TITLE SHEET
2	PUBLIC WATER & SEWER PLAN, NOTES, AND DETAILS
3	PUBLIC WATER & SEWER PROFILES, NOTES, AND DETAILS



(FOR COUNTY USE ONLY)	
WATER AND SEWER COUNTY CODE	
WATER CODE:	---
SEWER CODE:	---
TEST GRADIENT:	780
TYPE OF BUILDING:	SINGLE FAMILY RESIDENTIAL
NO. OF LOTS/PARCELS:	12 (INCL. 3 O.S.)
NUMBER OF SHC'S:	13 (INCL. STUB P.115)
NUMBER OF WHC'S:	12
SEWER SHED:	PATUXENT
TREATMENT PLANT:	LITTLE PATUXENT WTP

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

John R. Roberts 2/9/09
 HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER F-08-045

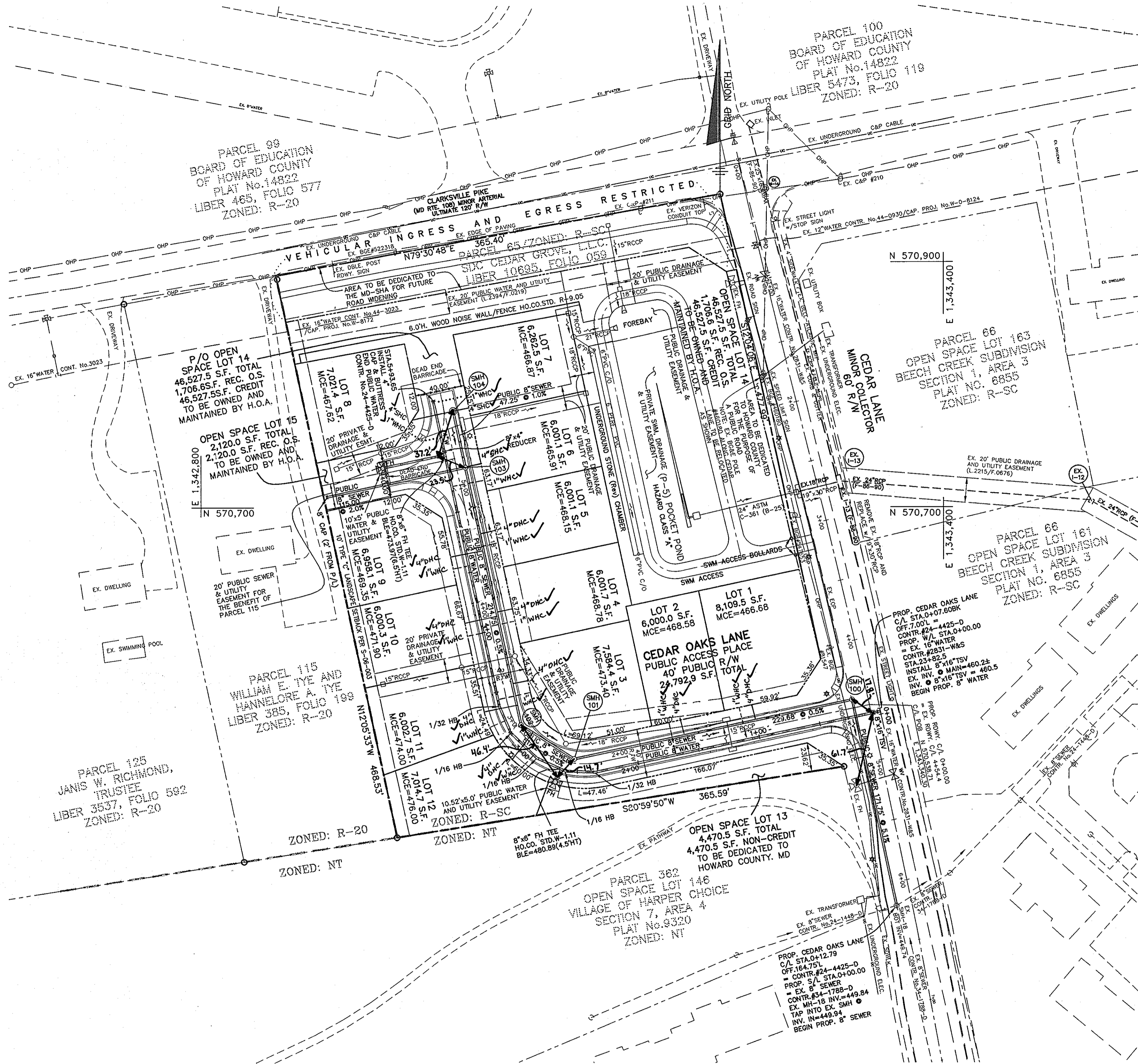
DEVELOPER/CONTRACT PURCHASER:
 SDC CEDAR GROVE, L.L.C.
 8480 BALTIMORE NATIONAL PIKE, SUITE 415
 ELLICOTT CITY, MARYLAND 21043
 PHONE: (410) 465-4244

NOTE: CONTRACTORS TO EXERCISE EXTREME CAUTION WHEN WORKING IN AREA OF EXIST. OVERHEAD LINES ALONG CEDAR LANE

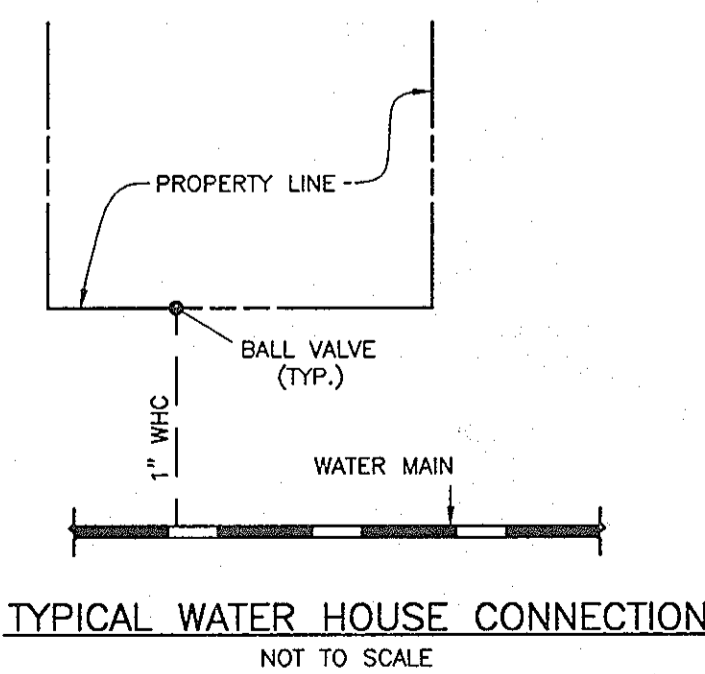
NOTE: ALL JOINTS AND CONNECTIONS LOCATED WITHIN STRUCTURAL FILL AREAS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION)

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND <i>Steve C. Green</i> 1/16/09 CHIEF, BUREAU OF UTILITIES DATE	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND <i>John P. ...</i> 2/18/09 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE	BENCHMARK ENGINEERS & LAND SURVEYORS & PLANNERS 8480 BALTIMORE NATIONAL PIKE SUITE 415 ELLICOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6844 E-MAIL: bm@bce-cidengineering.com	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. 122-2009 B. F. Cleary LICENSED PROFESSIONAL ENGINEER DATE: 1/8/09	DES: MCR DRN: MCR CHK: DAM/BFC DATE: 1/8/09 BY NO. REVISIONS DATE	PUBLIC WATER AND SEWER TITLE SHEET 600 SCALE MAPS: BLOCKS:	AS-BUILT 7/28/10 CEDAR GROVE LOTS 1 THRU 12 AND OPEN SPACE LOTS 13 THRU 15 TAX MAP 29 - GRID 17 - PARCEL 65 ELECTION DISTRICT NO. 5 CONTRACT No.24-4425-D F-08-045	SCALE: AS SHOWN SHEET NO. 1 OF 3
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CEDAR GROVE SEWER AS-BUILTS JULY 1, 2010		
LOT 1	COP:27 1 - 16' 2 - 97'	
LOT 2	COP:26 1 - 46' 2 - 55'	
LOT 3	COP:28 1 - 26' 2 - 34'	
LOT 4	COP:28 1 - 26' 2 - 49'	
LOT 5	COP:27 1 - 66' 2 - 112'	
LOT 6	COP:27 1 - 48' 2 - 17'	
LOT 7	COP:27 1 - 25' 2 - 16'	
LOT 8	COP:30 1 - 37' 2 - 41'	
LOT 9	COP:12 1 - 101' 2 - 84'	
LOT 10	COP:12 1 - 41' 2 - 26'	
LOT 11	COP:12 1 - 52' 2 - 27'	
LOT 12	COP:12 1 - 36' 2 - 43'	



CEDAR GROVE SEWER AS-BUILTS JULY 1, 2010		
LOT 1	10' LATERAL 1 - 25' 2 - 87'	
LOT 2	11' LATERAL 1 - 92' 2 - 38'	
LOT 3	18' LATERAL 1 - 24' 2 - 36'	
LOT 4	11' LATERAL 1 - 38' 2 - 56'	
LOT 5	13' LATERAL 1 - 56' 2 - 103'	
LOT 6	12' LATERAL 1 - 48' 2 - 12'	
LOT 7	10' LATERAL 1 - 51' 2 - 85'	
LOT 8	32' LATERAL 1 - 41' 2 - 60'	
LOT 9	27' LATERAL 1 - 75' 2 - 92'	
LOT 10	29' LATERAL 1 - 47' 2 - 35'	
LOT 11	30' LATERAL 1 - 54' 2 - 40'	
LOT 12	28' LATERAL 1 - 49' 2 - 37'	



PLAN VIEW
SCALE: 1" = 50'

NOTE: CONTRACTORS TO EXERCISE EXTREME CAUTION WHEN WORKING IN AREA OF EXIST. OVERHEAD LINES ALONG CEDAR LANE

NOTE: ALL JOINTS AND CONNECTIONS LOCATED WITHIN STRUCTURAL FILL AREAS SHALL BE MECHANICALLY RESTRAINED IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION)

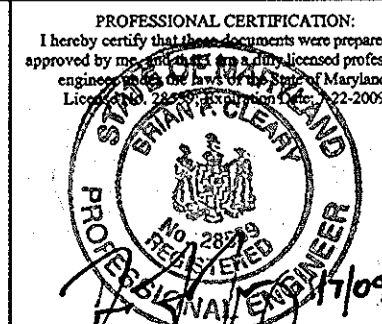
DEVELOPER/CONTRACT PURCHASER:
SDC CEDAR GROVE, L.L.C.
8480 BALTIMORE NATIONAL PIKE, SUITE 415
ELLICOTT CITY, MARYLAND 21043
PHONE: (410) 465-4244

AS-BUILT 7/28/10

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE SUITE 415
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E-MAIL: ben@benchmark-engineering.com

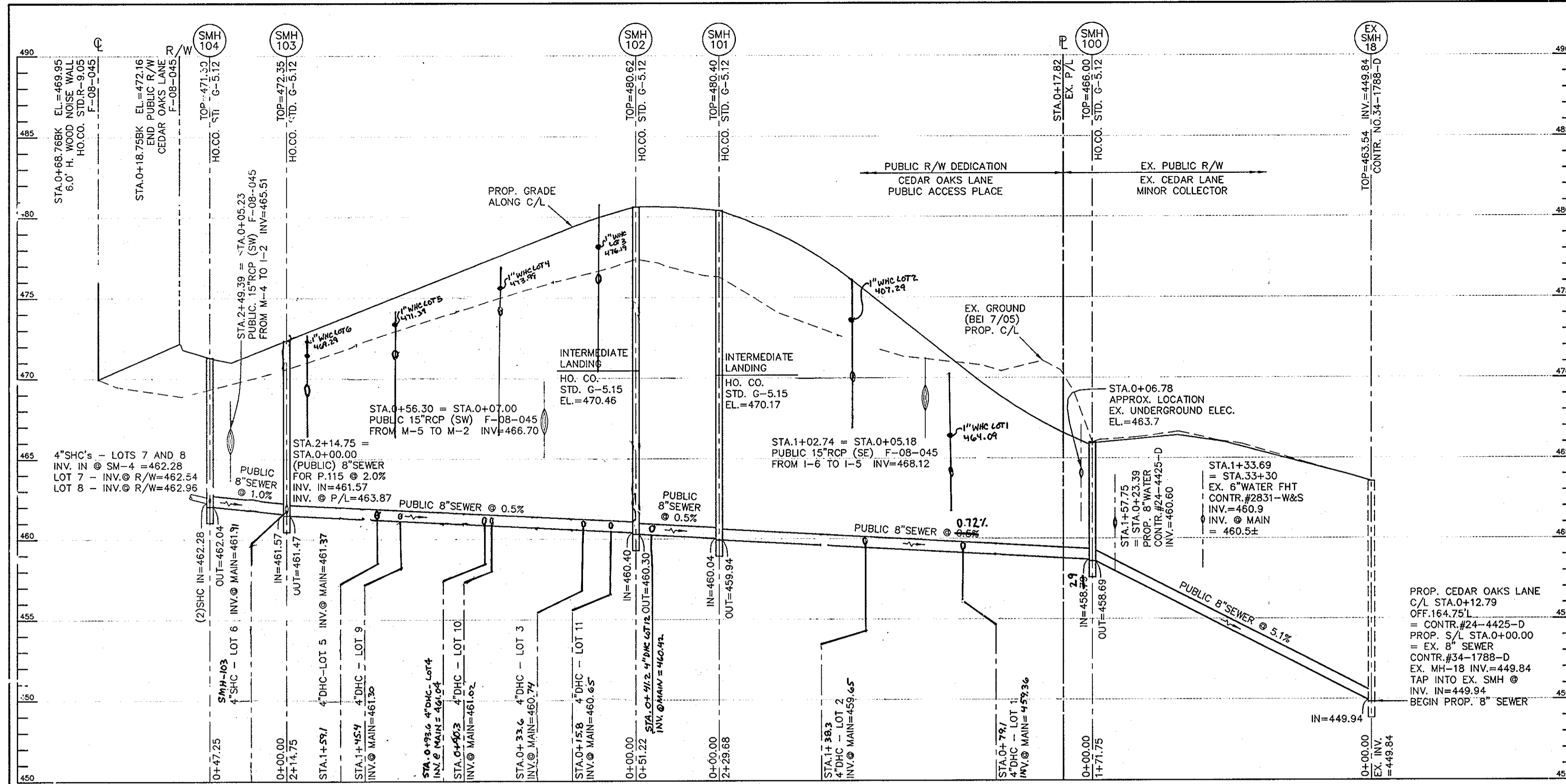


DES:	MCR				
DRN:	MCR				
CHK:	DAM/BFC				
DATE:	1/8/09	BY:	NO.	REVISIONS	DATE
				1	REVISE SHC & WHC FOR LOTS 1-6 & 9-12
				2	

**PUBLIC WATER AND SEWER
PLAN, NOTES AND DETAILS**

CEDAR GROVE
LOTS 1 THRU 12 AND
OPEN SPACE LOTS 13 THRU 15
TAX MAP 29 - GRID 17 - PARCEL 65
ELECTION DISTRICT NO. 5
CONTRACT No.24-4425-D

SCALE:
AS SHOWN
SHEET NO.
2 OF 3



SEWER MANHOLE - STRUCTURE SCHEDULE

NO.	TYPE	COORDINATE LOCATION	RDWY. C/L STA.	INVERT IN	SHC INV.	INVERT OUT	TOP ELEV.	HO. CO. STD.	REMARKS
SM-100	STD. 4.0' PRE-CAST	N 570,542.8705 E 1,343,326.3249	0+12.79 7.00' R	459.79	-	459.69	466.00	G-5.12	WITHIN EX. CEDAR LANE R/W
SM-101	STD. 4.0' PRE-CAST	N 570,494.7547 E 1,343,101.7395	2+44.07 3.33' R	460.04	-	459.94	480.40	G-5.12	-
SM-102	STD. 4.0' PRE-CAST	N 570,522.5820 E 1,343,058.7376	2+99.85 3.33' R	460.40	460.74/474.15	460.30	480.62	G-5.12	-
SM-103	STD. 4.0' PRE-CAST	N 570,732.5658 E 1,343,013.7501	5+16.19 7.00' R	461.57	-	461.47	472.35	G-5.12	8" SEWER FOR P.115
SM-104	STD. 4.0' PRE-CAST	N 570,778.7685 E 1,343,003.8516	5+63.44 7.00' R	462.14	(2)462.28	462.04	471.30	G-5.12	END CONTRACT No.24-4425-D

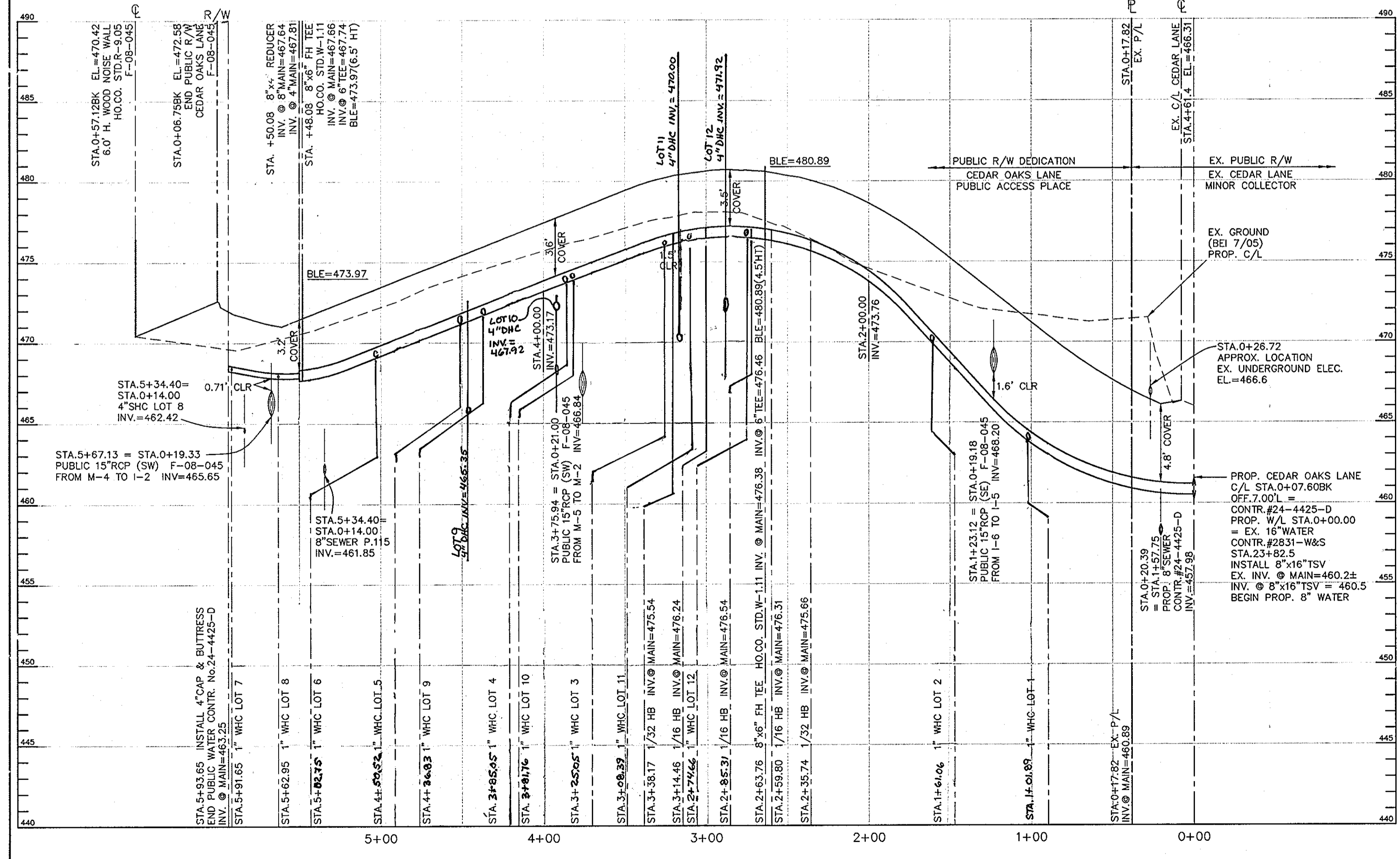
NOTES:
1. STRUCTURE LOCATION FOR MANHOLES IS AT THE CENTER OF THE STRUCTURE.

SEWER HOUSE CONNECTION LOCATION AND ELEVATION DATA

LOT NO.	RDWY. C/L STA.	INV. @ MAIN	INV. @ SHC	INV. @ DHC	INV. @ R/W	MCE	HO.CO. STD.	REMARKS
LOT 1	0+91.09 7.00' R	459.36	-	462.41	462.73	466.68	S-2.12	DHC @ 2.0%
LOT 2	1+51.06 7.00' R	459.65	-	464.57	464.93	468.58	S-2.12	DHC @ 2.0%
LOT 3	2+35.02 7.00' R	460.74	-	469.46	469.72	473.40	S-2.12	DHC @ 2.0%
LOT 4	3+45.05 7.00' R	461.04	-	464.91	465.07	468.78	S-2.12	DHC @ 2.0%
LOT 5	4+60.52 7.00' R	461.37	-	464.17	464.43	468.15	S-2.12	DHC @ 2.0%
LOT 6	5+16.19 7.00' R (SM-103)	461.91	-	462.17	465.91	-	-	SHC @ 2.0%
LOT 7	5+63.44 7.00' R	462.28	-	462.54	466.87	-	-	SHC @ 2.0%
LOT 8	5+63.44 7.00' R (SM-104)	462.28	-	462.96	467.62	-	-	SHC @ 2.0%
LOT 9	4+46.83 7.00' R	461.30	-	465.07	465.35	469.35	S-2.12	DHC @ 2.0%
LOT 10	3+91.76 7.00' R	461.02	-	467.64	468.15	471.90	S-2.12	DHC @ 2.0%
LOT 11	3+16.59 6.78 R	460.65	-	469.72	470.26	474.00	S-2.12	DHC @ 2.0%
LOT 12	2+91.62 6.89 R	460.42	460.74	471.64	472.18	476.00	S-2.12	DHC @ 2.0%
P.115	5+16.19 7.00' R (SM-103)	461.57	461.57	463.87 (P/L)	-	-	-	8" SEWER @ 2.0%

NOTE: SHC's SHALL BE AT 2.0% TYP.

SEWER MAIN PROFILE
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'



WATER HOUSE CONNECTION LOCATION AND ELEVATION DATA

LOT NO.	RDWY. C/L STA.	W.M. C/L STA.	INV. @ MAIN	INV. @ WHC	INV. @ R/W	MAIN	REMARKS
LOT 1	1+01.09 7.00' L	1+09.49	463.38	464.09	464.09	8" MAIN	-
LOT 2	1+61.06 7.00' L	1+68.65	470.00	470.29	470.29	8" MAIN	AVOID SD
LOT 3	3+25.05 7.00' L	3+43.25	475.90	476.19	476.19	8" MAIN	-
LOT 4	3+85.05 6.97' L	4+03.25	473.70	473.99	473.99	8" MAIN	-
LOT 5	4+60.52 7.00' L	4+68.72	471.10	471.39	471.39	8" MAIN	-
LOT 6	5+02.75 7.00' L	5+20.96	469.00	469.29	469.29	8" MAIN	AVOID SD
LOT 7	5+73.44 7.00' L	5+91.65	468.22	468.34	468.34	4" MAIN	-
LOT 8	5+44.74 7.00' L	5+62.95	467.77	467.89	468.30	4" MAIN	AVOID SD
LOT 9	4+36.03 7.00' L	4+55.03	471.70	471.99	471.99	8" MAIN	-
LOT 10	3+81.76 7.00' L	3+99.96	473.80	474.09	474.09	8" MAIN	-
LOT 11	3+08.39 7.00' L	3+25.15	476.40	476.69	476.69	8" MAIN	-
LOT 12	2+74.66 6.19' L	2+88.02	476.40	476.69	476.69	8" MAIN	-

WATER LINE APPURTENANCE DATA

APPURTENANCE	RDWY. C/L STA.	W.M. C/L STA.	INV. @ MAIN	REMARKS
8"x16" TSV	0+07.60BK 7.00' L	0+00.00	(EX)460.2	(CONTR. No.2831-W&S) INV@TSV=463.5
1/32" HB	2+27.49 7.29' L	2+35.74	475.66	-
1/16" HB	2+49.16 7.53' L	2+59.80	476.31	-
8"x6" FH TEE	2+52.68 6.79' L	2+63.76	476.38	-
FH	2+54.07 18.10' L	2+63.76 11.43' L	(6"TEE) 476.46	BLE=480.89(4.5' HT)
1/16" HB	2+72.23 6.66' L	2+85.31	476.54	-
1/16" HB	2+98.74 7.11' L	3+14.46	476.24	-
1/32" HB	3+20.19 7.04' L	3+38.17	476.00	-
8"x6" FH TEE	5+29.87 7.00' L	4+48.08	467.66	-
FH	5+29.87 58.10' L	4+48.08 51.10' L	(6"TEE) 467.74	BLE=473.97(6.5' HT)
8"x4" REDUCER	5+31.87 7.00' L	4+50.08	467.64	4" INV=467.81
4" CAP&BUTTRISS	5+75.44 7.00' L	5+93.65	463.25	END CONTR. No.24-4425-D

NOTE: CONTRACTORS TO EXERCISE EXTREME CAUTION WHEN WORKING IN AREA OF EXIST. OVERHEAD LINES ALONG CEDAR LANE

WATER MAIN PROFILE
VERTICAL SCALE: 1" = 5'
HORIZONTAL SCALE: 1" = 50'

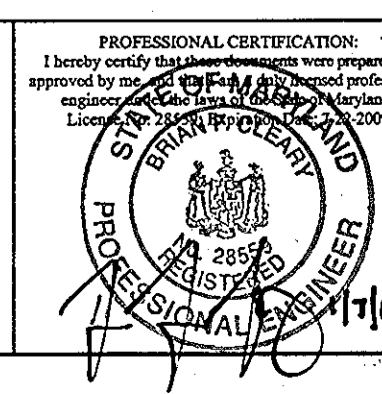
DEVELOPER/CONTRACT PURCHASER:
SDC CEDAR GROVE, L.L.C.
8480 BALTIMORE NATIONAL PIKE, SUITE 415
ELLICOTT CITY, MARYLAND 21043
PHONE: (410) 465-4244

AS-BUILT 7/28/10

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Shelley C. Green
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
Michael J. Green
CHIEF, DEVELOPMENT ENGINEERING DIVISION

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 415
ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-5105 FAX: 410-465-6644
E-MAIL: be@benchmark-engineering.com



DES:	MCR		
DRN:	MCR		
CHK:	DAM/BFC		
DATE:	1/8/09		
BY:	NO.	REVISIONS	DATE
		REVISE SHC # WHC LOCATIONS FOR LOTS 1-6, 9-12	4/20/10

PUBLIC WATER AND SEWER PROFILES, NOTES AND DETAILS

CEDAR GROVE
LOTS 1 THRU 12 AND
OPEN SPACE LOTS 13 THRU 15
TAX MAP 29 - GRID 17 - PARCEL 65
ELECTION DISTRICT NO. 5
CONTRACT No.24-4425-D
BLOCKS: 600 SCALE MAPS: SHEETS: 3 OF 3
F-08-045