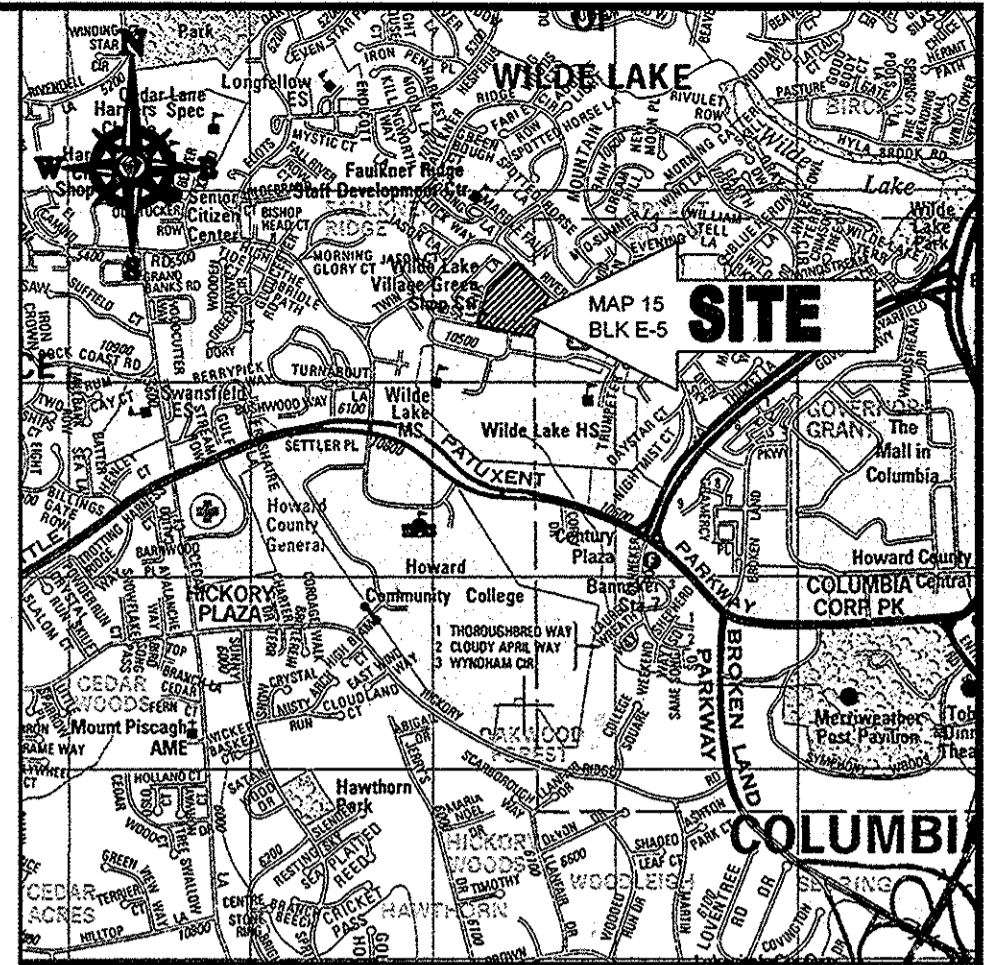


# FINAL PUBLIC WATER & SEWER CONSTRUCTION PLAN

FOR

## WILDE LAKE VILLAGE CENTER REDEVELOPMENT PHASE II



LOCATION MAP

COPYRIGHT AND THE MAP PEOPLE PERMIT USE NO. 20021153-5 SCALE: 1"=2000'

WATER HOUSE CONNECTION AS-BUILT LOCATION TABLE

PARCEL	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
B	5414 LYNX LANE		

LOCATION OF SITE

TWIN RIVERS ROAD @ LYNX LANE, COLUMBIA, MARYLAND 21042  
 ZONING: NT, 5TH ELECTION DISTRICT  
 TAX MAP 29, GRID 24, TM PARCEL 272 (PARCELS A-C)  
 HOWARD COUNTY  
 CONTRACT NO. 24-4842-D

SEWER HOUSE CONNECTION AS-BUILT LOCATION TABLE

PARCEL	ADDRESS	LOCATION DIMENSION 1	LOCATION DIMENSION 2
B	5414 LYNX LANE		
C	5420 LYNX LANE		
C	5421 LYNX LANE		

### WATER NOTES

- THE SITE IS WITHIN A CORROSION AREA AND ALL WATER MAINS ARE TO BE C900 PVC 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 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 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 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, 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 SEVENTEEN (17) POUND MAGNESIUM ANODES SHALL BE INSTALLED ON ALL VALVES AND DUCTILE IRON FITTINGS INCLUDING RESTRAINTS AND HARNESSSES. TWELVE (12) POUND ZINC ANODES SHALL BE INSTALLED ON ALL STAINLESS STEEL FITTINGS AND SADDLES USED WITH PVC MAINS. ALL "TEES" USED WITH PVC MAINS SHALL BE DUCTILE IRON.
- PROPER ASSEMBLY OF GASKETED PVC PIPE JOINTS, THE MANUFACTURER'S INSERTION LINE OF GASKETED PVC PIPE JOINTS INDICATES THE MAXIMUM DEPTH OF INSERTION OF THE SPIGOT INTO THE BELL. AFTER ASSEMBLY OF THE JOINT, THE INSERTION LINE SHALL REMAIN VISIBLE. DUAL INSERTION LINES ON GASKETED PVC PIPE INDICATE THE MAXIMUM AND MINIMUM DEPTH OF INSERTION OF THE SPIGOT INTO THE BELL. THE CONTRACTOR SHALL NOT INSERT OR OVER HOME THE SPIGOT INTO THE BELL OF PVC PIPE.
- ALL CHANGES IN HORIZONTAL OR VERTICAL DEFLECTION OF PVC WATER PIPE SHALL BE MADE WITH STANDARD BENDS, 5-DEGREE SWEEPS, OR HIGH DEFLECTION COUPLINGS. NO BENDING OF THE PIPE OR DEFLECTING OF PVC PIPE JOINTS IS PERMITTED. WHERE HIGH DEFLECTION COUPLINGS OR 5-DEGREE SWEEPS ARE PERMITTED, THE CONTRACTOR SHALL PROVIDE ONE FULL PIPE LENGTH (20-FOOT LONG) ON EITHER SIDE OF THE HIGH DEFLECTION COUPLING OR 5-DEGREE SWEEP. THE CONTRACTOR SHALL USE A VIBRATORY PLATE COMPACTOR OR OTHER APPROVED MEANS TO THOROUGHLY COMPACT THE #57 STONE ON BOTH SIDES OF THE HIGH DEFLECTION COUPLING OR 5-DEGREE SWEEP, TAKING CARE NOT TO USE COMPACTOR EQUIPMENT DIRECTLY OVER THE FITTING.
- PVC HIGH DEFLECTION COUPLINGS SHALL BE LIMITED TO A TOTAL DEFLECTION OF 3-DEGREES (4-DEGREE ON EITHER END OF THE COUPLING). SHALL BE RATED FOR A MINIMUM 200 PSI MEETING THE REQUIREMENTS OF AWWA C900, SHALL HAVE A MINIMUM LAY LENGTH OF 8-INCHES, AND SHALL HAVE CENTER STOPS. PVC HIGH DEFLECTION COUPLINGS SHALL BE CERTIFIED PVC HIGH DEFLECTION (HD) STOP COUPLINGS OR EQUAL.
- FIVE DEGREE SWEEPS SHALL BE BELL BY SPIGOT, RATED FOR A MINIMUM 225 PSI, DR18 MEETING THE REQUIREMENTS OF AWWA C900 AND SHALL BE MULTI FITTINGS (PEX) BLUE BRUTE DR18 OR EQUAL.
- FOR PVC HIGH DEFLECTION COUPLINGS OR PVC 5-DEGREE SWEEPS ARE USED TO FACILITATE CHANGES IN HORIZONTAL OR VERTICAL ALIGNMENTS OF AWWA C900 PIPELINES, THE CONTRACTOR SHALL INSTALL DEVICES FOR THE PREVENTION OF OVER-INSERTION OF THE PVC PIPE SPIGOTS OR PLAIN ENDS INTO THE PUSH ON BELL JOINT ON BOTH SIDES OF THE HIGH DEFLECTION COUPLINGS OR 5-DEGREE SWEEPS. BELL STOPS SHALL BE PLACED AT THE PROPER INSERTION LINE FOR THE FITTING. THE BELL STOP SHALL BE MANUFACTURED OF DUCTILE IRON AND INCORPORATE AN EXPANSION RETENTION SPRING TO ALLOW FOR PIPE EXPANSION AND CONTRACTION. THE BELL STOPS SHALL BE SERIES 5000 MEGA-STOP, AS MANUFACTURED BY EBMA IRON, INC. OR APPROVED EQUAL.

### SEWER 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 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 FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSES (S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL "E" 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:

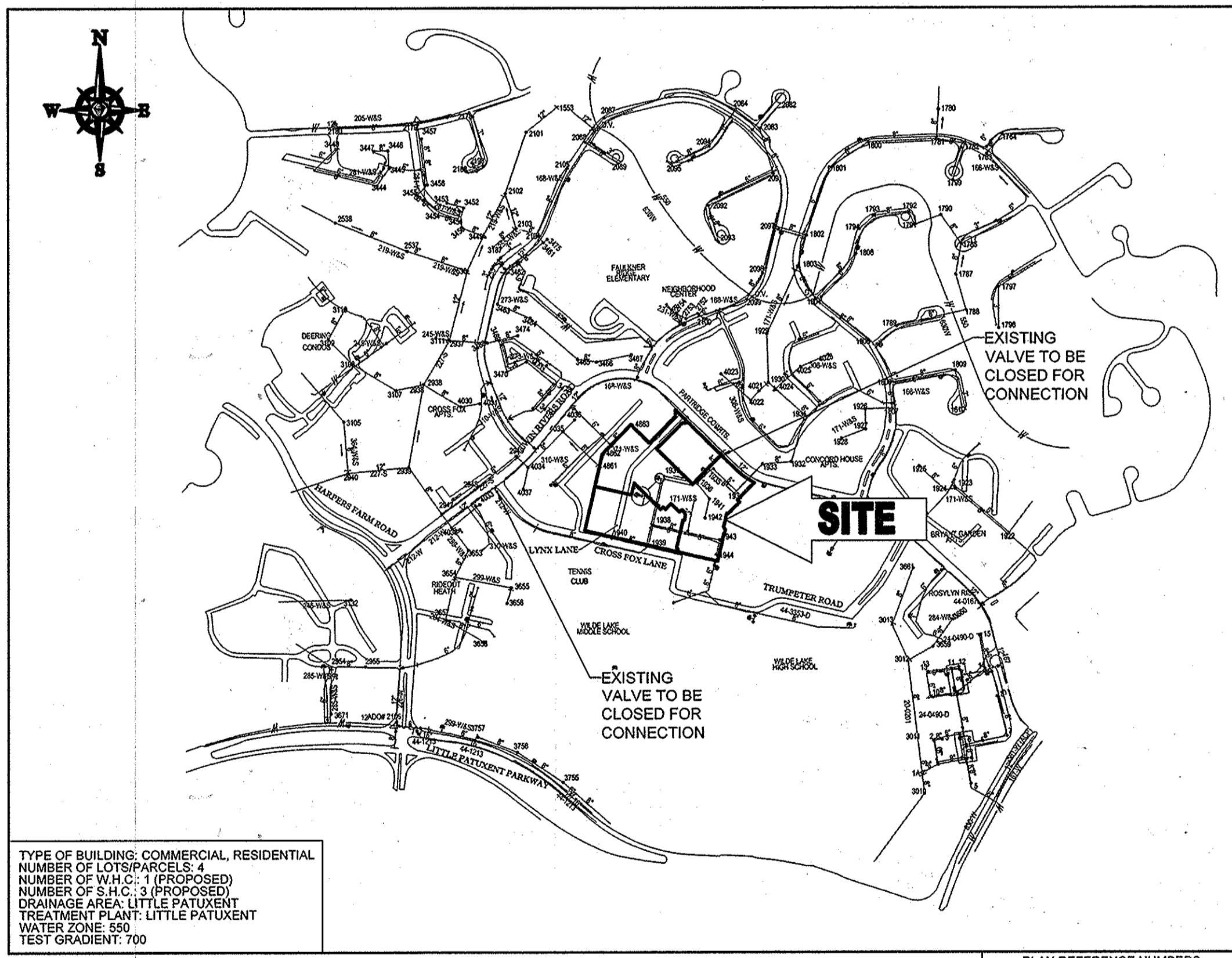
### GENERAL NOTES

- 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.
- THE TOPOGRAPHY SHOWN IS BASED ON A FIELD-RUN SURVEY BY BOHLER ENGINEERING, ENTITLED "BOUNDARY AND TOPOGRAPHIC SURVEY, KIMCO, COLUMBIA VILLAGE OF WILDE LAKE, LOTS 1-3, P.B. 12, FOLIO 45; LOTS 3-5, P.B. 19, FOLIO 44-45, FIFTH ELECTION DISTRICT, HOWARD COUNTY, MD" DATED SEPTEMBER 28, 2011.
- 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. 35CM4 AND NO. 36A4. ALL VERTICAL CONTROLS ARE BASED ON NAVD83. ELEVATIONAL CONTROLS PROVIDED ON THE DRAWINGS ARE A BENCHMARK BOX CUT, ELEV. 448.83, LOCATED AT N 565.450.77, E 1,347.594.28 AND A BENCHMARK BOX CUT, ELEV. 457.00, LOCATED AT N 568.095.38, E 1,347.540.84.
- 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 9'-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 TO 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.
- 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 WATERSEWER 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.

UTILITY CONTRACTOR: BIL BAR CONSTRUCTION CO., FINNKSBURG, MD

QUANTITIES TABLE

ITEM DESCRIPTION	QUANTITIES ESTIMATED	UNIT	AS-BUILT		
			QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8"x8" TAPPING SLEEVE AND VALVE	1	EA	1 EA	STAINLESS	ROMAC
8"x8" TAPPING SLEEVE AND VALVE	2	EA	2 EA	STAINLESS	ROMAC
2" WATER HOUSE CONNECTION	1	EA	1 EA	COPPER	CAMBRIDGE LEE
1" WATER HOUSE CONNECTION	1	EA	1 EA	COPPER	CAMBRIDGE LEE
FIRE HYDRANT	3	EA	3 EA	DIP	MUELLER
8" VALVE	3	EA	3 EA	DIP	MUELLER
6" VALVE	2	EA	2 EA	DIP	MUELLER
8"x8" TEE	1	EA	1 EA	DIP	STAR PIPE
8"x6" TEE	1	EA	1 EA	DIP	STAR PIPE
6"x6" TEE	1	EA	1 EA	DIP	STAR PIPE
8" 1/16 HB	1	EA	1 EA	DIP	STAR PIPE
8" 1/32 HB	1	EA	1 EA	DIP	STAR PIPE
6" CAP AND BUTTRESS	1	EA	1 EA	DIP	STAR PIPE
8" WATER C900 DR-18 PVC	827	L.F.	627 LF	PVC	NATIONAL PIPE
6" WATER C900 DR-18 PVC	85	L.F.	85 LF	PVC	NATIONAL PIPE
6" WATER D.I.P.	39	L.F.	39 LF	DIP	GRIFFIN PIPE
8" SEWER DR-35 PVC	427	L.F.	427 LF	PVC	NATIONAL PIPE
STANDARD PRECAST MANHOLE	2	EA	2 EA	PRECAST CONCRETE	ATLANTIC CONCRETE



VICINITY MAP

SCALE: 1"=600'

TYPE OF BUILDING: COMMERCIAL, RESIDENTIAL  
 NUMBER OF LOTS/PARCELS: 4  
 NUMBER OF W.H.C.: 1 (PROPOSED)  
 NUMBER OF S.H.C.: 3 (PROPOSED)  
 DRAINAGE AREA: LITTLE PATUXENT TREATMENT PLANT, LITTLE PATUXENT WATER ZONE 530  
 TEST GRADIENT: 700

PLAN REFERENCE NUMBERS:  
 SDP-13-046 F-70-67 SDP-77-887  
 F-13-046 F-66-045 SDP-65-204  
 FDP-36-A-J PB 12 F 43 SDP-87-111  
 FDP-2-A-X (PLA1) SDP-95-087  
 ECP-13-003 SDP-70-074 SDP-94-045  
 SP-13-001 SDP-72-864 PB-397  
 ZB-1096M SDP-72-883

### BENCHMARK

GEODETIC SURVEY CONTROL - 35CM4  
 ELEV. 447.477'  
 LOCATED ALONG LITTLE PATUXENT PARKWAY BY COLUMBIA PROFESSIONAL BUILDING.

GEODETIC SURVEY CONTROL - 36A4  
 N 562.804.85  
 E 1,349.905.17  
 ELEV. 359.151'  
 LOCATED AT THE CORNER OF LITTLE PATUXENT PARKWAY AND BROKEN LAND PARKWAY.

### SHEET INDEX

SHEET TITLE	SHEET NUMBER
WATER AND SEWER CONSTRUCTION PLAN	1
WATER AND SEWER SYSTEM PLAN	2
WATER MAIN AND SEWER PROFILES	3
EXISTING CONDITIONS AND ABANDONMENT PLAN	4



THE FOLLOWING STATES REQUIRE NOTIFICATION BY REGISTERED PROFESSIONAL ENGINEERS OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE OF MARYLAND, MARYLAND: THE DISTRICT OF COLUMBIA, AND DELAWARE: CALL: 811 (NY: 1-800-345-4546 (PA: 1-800-245-1778) (DC: 1-800-257-7777) (VA: 1-800-552-7001) (MD: 1-800-257-7777) (DE: 1-800-282-6255))

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 508 IN VOLUME IV AND AS SHOWN ON SDP-13-046.

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT. (SDP-13-046)  
*John R. Robertson* 1/25/14 DATE  
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

### OWNER

PARCEL 272, LOTS 3-6 & PARCEL 132, LOTS 1-3  
 WILDE LAKE BUSINESS TRUST  
 C/O KIMCO REALTY CORPORATION  
 3333 NEW HYDE PARK ROAD  
 NEW HYDE PARK, NY 11042  
 CONTACT: GREG REED  
 PHONE: 410-684-2000

### DEVELOPER

KIMCO REALTY CORPORATION  
 1954 GREENSPRING DRIVE,  
 SUITE 330  
 TIMONIUM, MD 21093  
 CONTACT: GREG REED  
 PHONE: 410-684-2000

PROFESSIONAL CERTIFICATION  
 I, MICHAEL J. GESSELL, 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. 44927, EXPIRATION DATE: 9/30/15

**BOHLER ENGINEERING**  
 901 DULANEY VALLEY ROAD, SUITE 801  
 TOWSON, MARYLAND 21284  
 Phone: (410) 821-7900  
 Fax: (410) 821-7967  
 www.BohlerEngineering.com



DES.	DATE	DESCRIPTION	BY
DES. M.J.G.			
DRN. R.J.M.			
CHK. M.J.G.			
DATE: 12/23/13	1	10-26-15 KCI AS-BUILTS	CLS

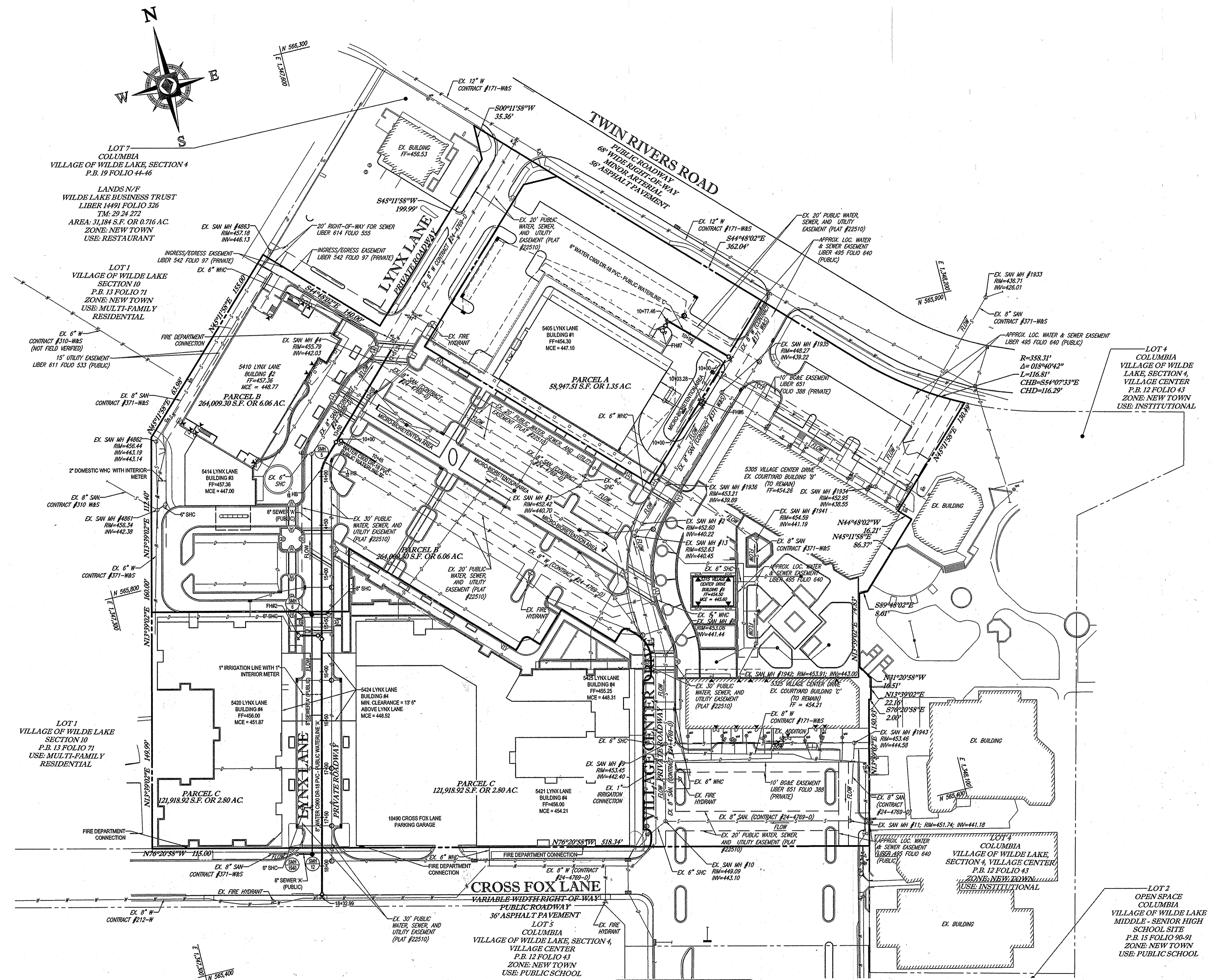
### WATER AND SEWER CONSTRUCTION PLAN

PARCEL NO. 272 (PARCELS A-C)  
 600' SCALE MAP NO. 29 BLOCK NO. - - -

### WILDE LAKE VILLAGE CENTER REDEVELOPMENT PHASE II

TAX MAP 29, PARCEL 272 (PARCELS A-C)  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 CONTRACT NO.: 24-4842-D

SCALE AS SHOWN SHEET 1 OF 4



NUMBER	STATION (WATERLINE)	BURY LENGTH ELEV.	BURY LENGTH	NORTHING	EASTING	COMMENT
FH#2	15+62.10 (A)	455.87	7.00'	565,717	1,347,475	
FH#6	10+00.00 (F#6)	449.42	4.00'	565,851	1,347,933	
FH#7	10+75.45 (C)	453.25	5.00'	565,930	1,347,911	

NUMBER	DESCRIPTION	STATION	NORTHING	EASTING	RIM
SMH 5	EX. MANHOLE (CONTRACT #24-4789-D)	14+84.62	565,894	1,347,532	456.10
SMH 6	STANDARD PRECAST MANHOLE	16+49.04	565,734	1,347,493	455.21
SMH 12	STANDARD PRECAST MANHOLE	18+95.83	565,495	1,347,436	455.29
SMH 1940	EX. MANHOLE	19+11.20	565,498	1,347,420	455.72

STATION (WATERLINE)	DESCRIPTION	NORTHING	EASTING	COMMENT
13+57.18 (A) 10+30.00 (B)	(1) 8"X8" TEE, (2) 8" VALVES	565,902	1,347,563	
13+84.07 (A)	1/2" HB	565,883	1,347,543	
13+93.17 (A)	1/2" HB	565,876	1,347,538	
15+67.70 (A)	(1) 8"X8" TEE, (1) 8" VALVE, (1) 6" VALVE	565,711	1,347,499	
18+32.99 (A)	8"X8" TAPPING SLEEVE AND VALVE	565,448	1,347,434	EX. 8" WATER INV. = 450.55 PER CONTRACT #212-W
10+00.00 (FH #6)	8"X8" TAPPING SLEEVE AND VALVE	565,848	1,347,935	EX. 8" WATER INV. = 445.34 PER CONTRACT #171 W&S
10+00.00 (C)	8"X8" TAPPING SLEEVE AND VALVE	565,886	1,347,813	EX. 8" WATER INV. = 442.71 PER CONTRACT #171 W&S
10+75.45 (C)	(1) 6"X8" TEE, (1) 6" VALVE	565,939	1,347,919	
10+77.46 (C)	6" CAP AND BUTTRISS	565,941	1,347,918	

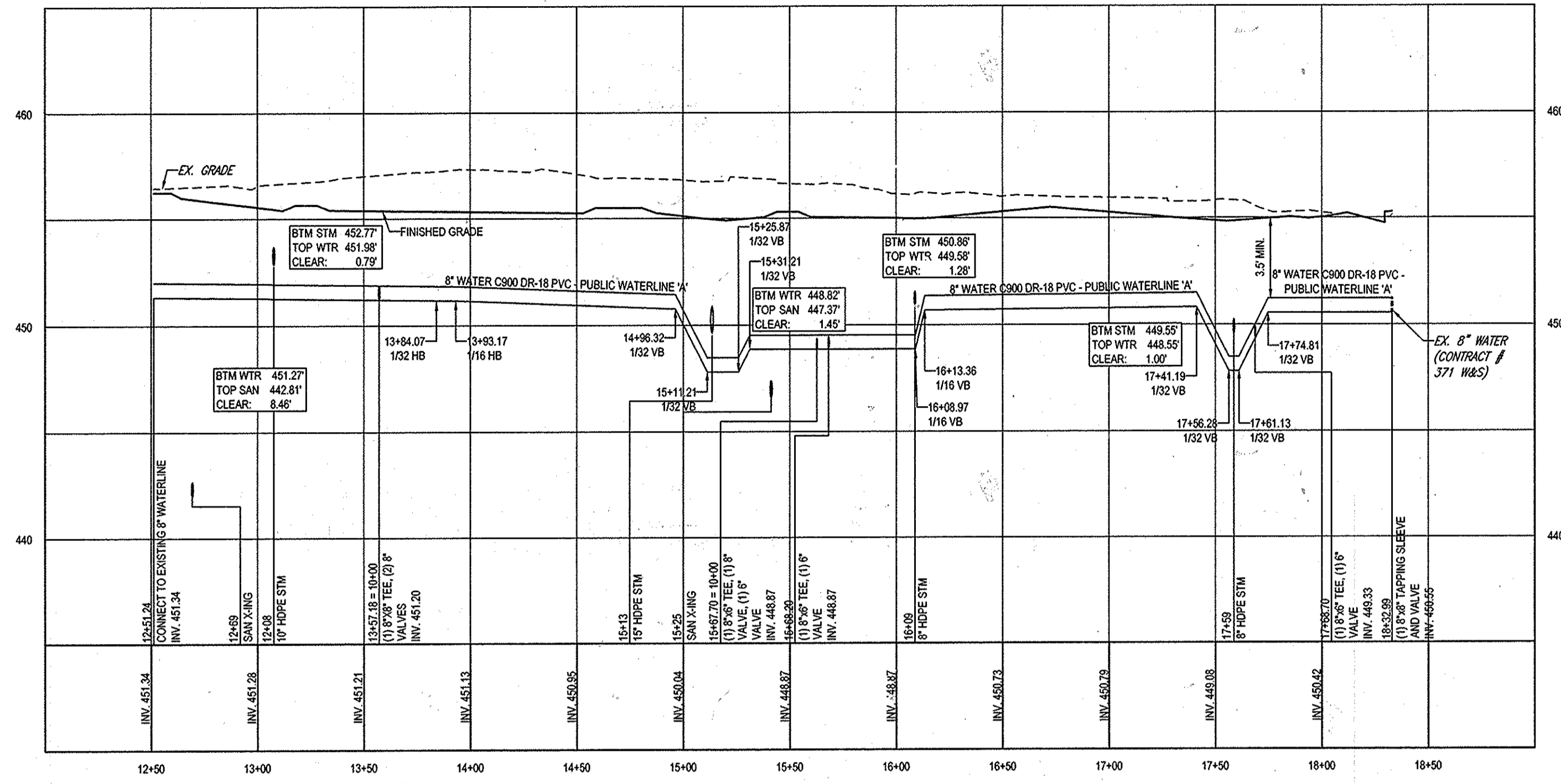
VALVE STATIONS	MEASUREMENT #1	MEASUREMENT #2	MEASUREMENT #3	CONTRACT #24-4842
11+25	TO FH #4 36.1'	TO CTS #4 38'	TO VALVE 11+22 2.1'	#24-4842
15+56	TO SMH #1936 17'	TO SMH #1935'	TO SMH #2 40'	#24-4842
10+75	TO SMH #3 20'	TO FH #7 10.6'	TO CTS #7 1.2'	#24-4842
13+55	TO SMH #8 37.4'	TO SMH #9 62.1'	TO VALVE 14+32 6'	#24-4842
14+32	TO SMH #8 31.4'	TO SMH #9 56.2'	TO VALVE 13+55 6.1'	#24-4842
15+53	TO VALVE 15+52 4.2'	TO SMH #3 32.4'	TO SMH #2 40.1'	#24-4842
12+78	TO VALVE 12+75 3.2'	TO SMH #9 12'	TO VALVE 12+50 25'	#24-4842
12+75	TO SMH #9 12'	TO VALVE 12+78 3.4'	TO VALVE 13+50 24.8'	#24-4842
10+12	TO VALVE 11+22 11'	TO VALVE 11+25 11'	TO CTS #4 12'	#24-4842
11+22	TO FH #4 36.4'	TO CTS #4 39.2'	TO VALVE 11+25 2.1'	#24-4842

**FIRE PROTECTION NOTES**

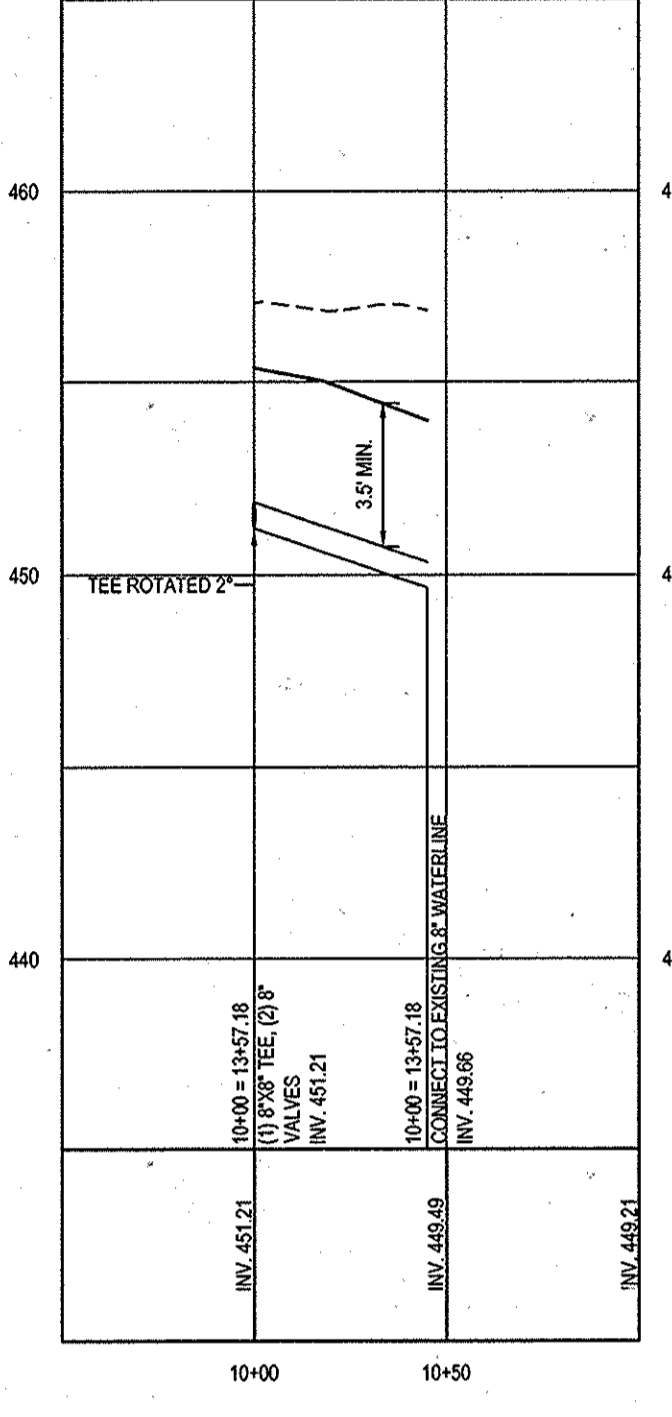
- THE EXISTING COURTYARD BUILDING 'B' DOES NOT HAVE AN EXISTING FIRE PROTECTION SYSTEM INSTALLED. NO SYSTEM IS PROPOSED TO BE INSTALLED AS PART OF THESE PLANS.
- THE EXISTING COURTYARD BUILDING 'C' HAS AN EXISTING FIRE PROTECTION SYSTEM INSTALLED. THE EXISTING SPRINKLER SYSTEM MUST REMAIN ACTIVE DURING THE CONSTRUCTION OF THE CENTER.

PROFESSIONAL CERTIFICATION  
 I, MICHAEL J. GESELL, 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. 44057. EXPIRATION DATE: 6/30/15

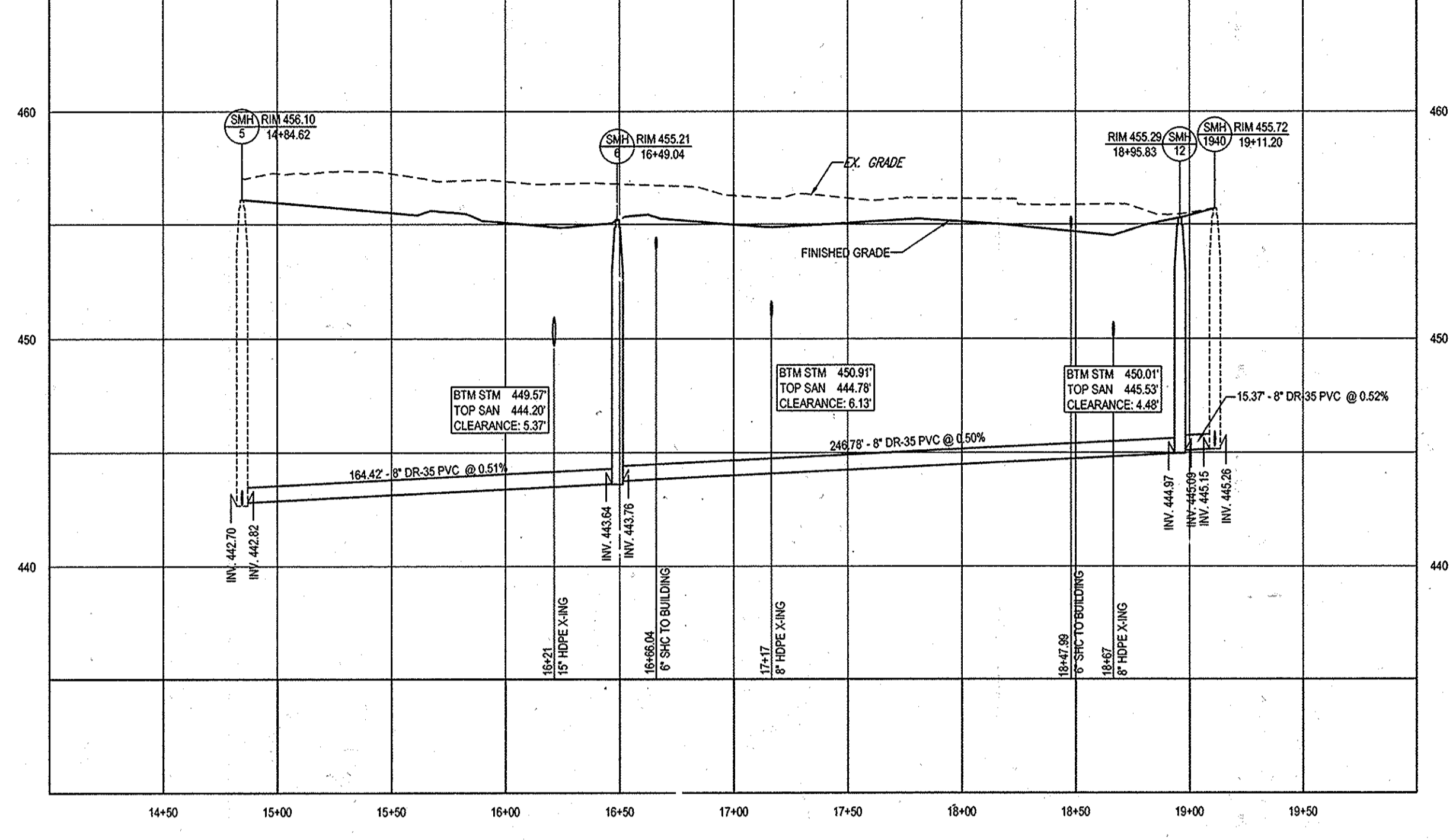
DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Chief, Bureau of Utilities Date: 1/15/14	DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND Chief, Development Engineering Division Date: 2-5-14	<b>BOHLER ENGINEERING</b> 901 DULANEY VALLEY ROAD, SUITE 801 TOWSON, MARYLAND 21284 Phone: (410) 821-7900 Fax: (410) 821-7987 www.BohlerEngineering.com	DES. M.J.G. DRN. R.J.M. CHK. M.J.G. DATE: 12/23/13	<b>WATER AND SEWER SYSTEM PLAN</b> PARCEL NO. 272 (PARCELS A-C) 600' SCALE MAP NO. 29 BLOCK NO.	<b>WILDE LAKE VILLAGE CENTER REDEVELOPMENT PHASE II</b> TAX MAP 29, PARCEL 272 (PARCELS A-C) 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT NO.: 24-4842-D	SCALE: 1"=50' SHEET: 2 OF 4
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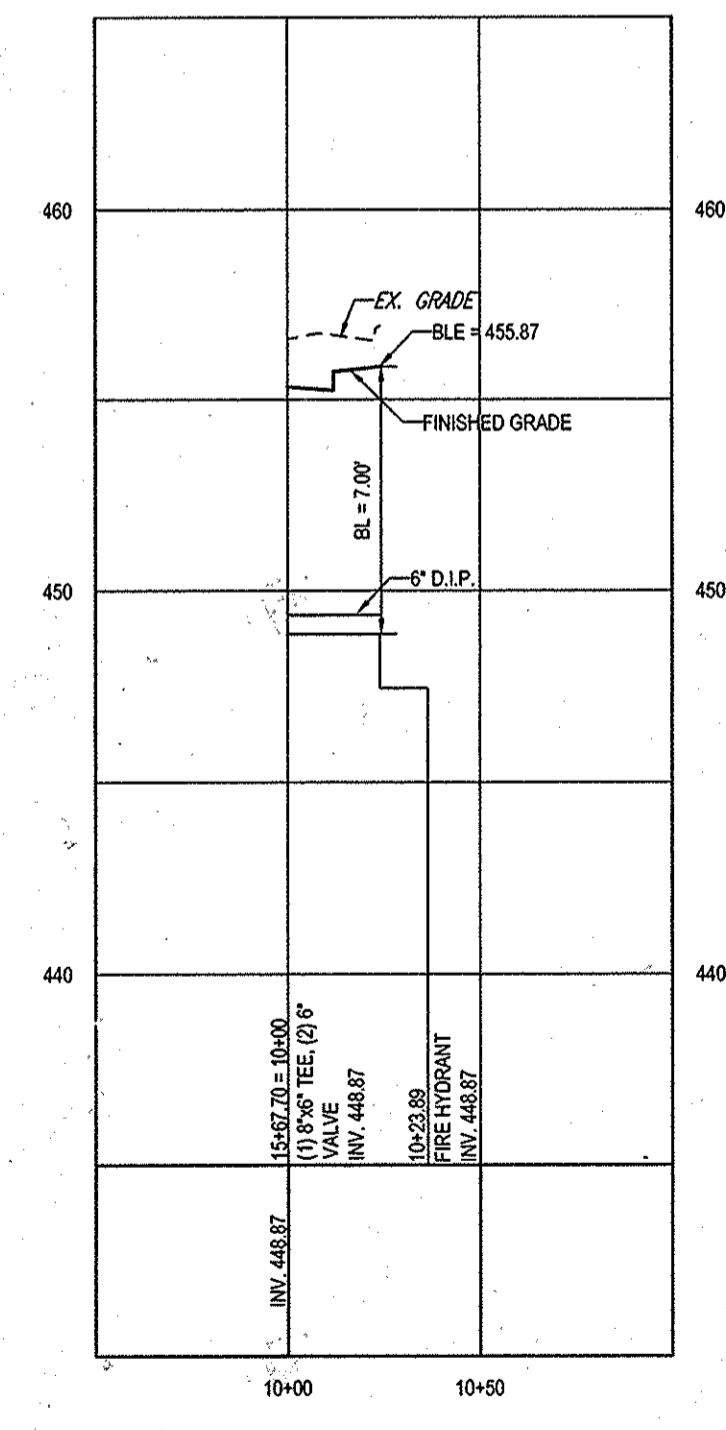
**WATERLINE 'A' PROFILE**  
SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL



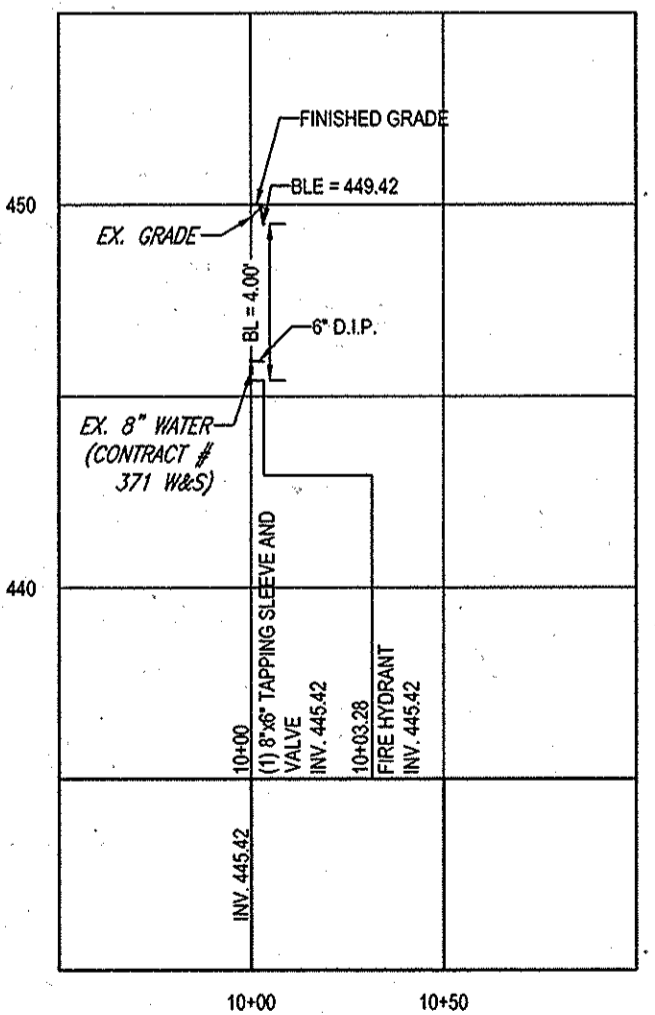
**WATERLINE 'B' PROFILE**  
SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL



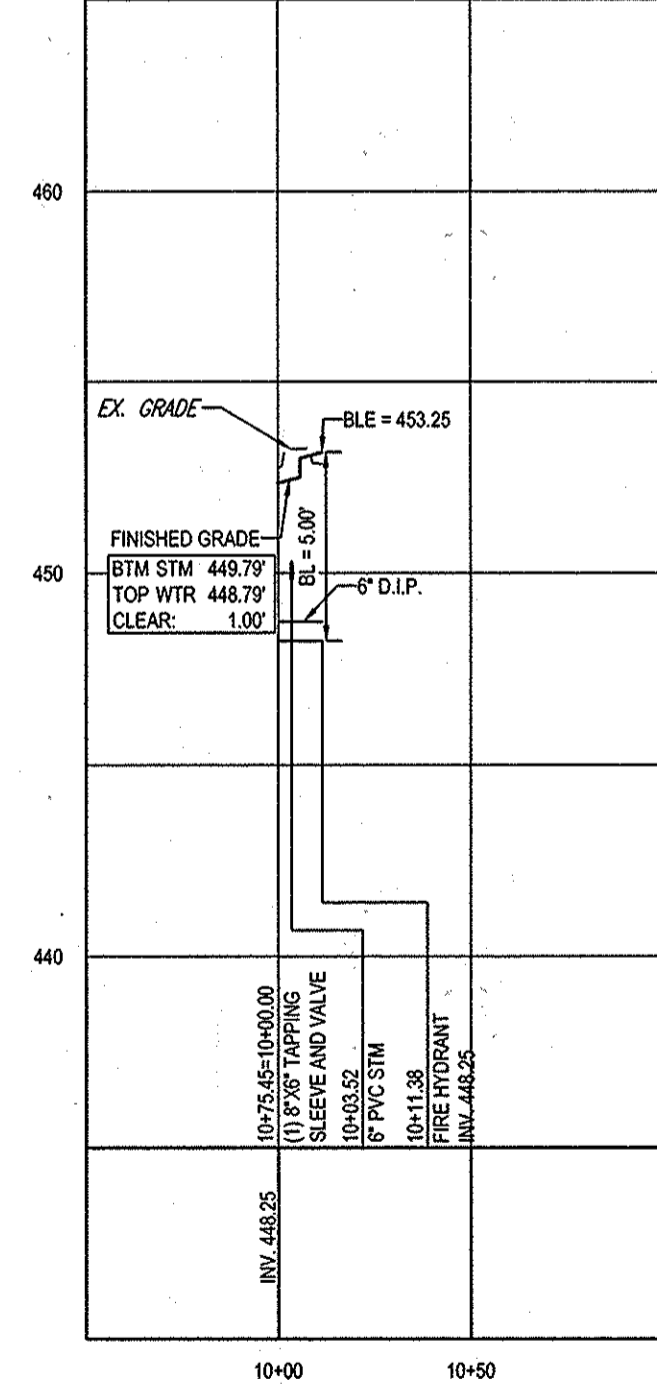
**SANITARY 'A' PROFILE**  
SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL



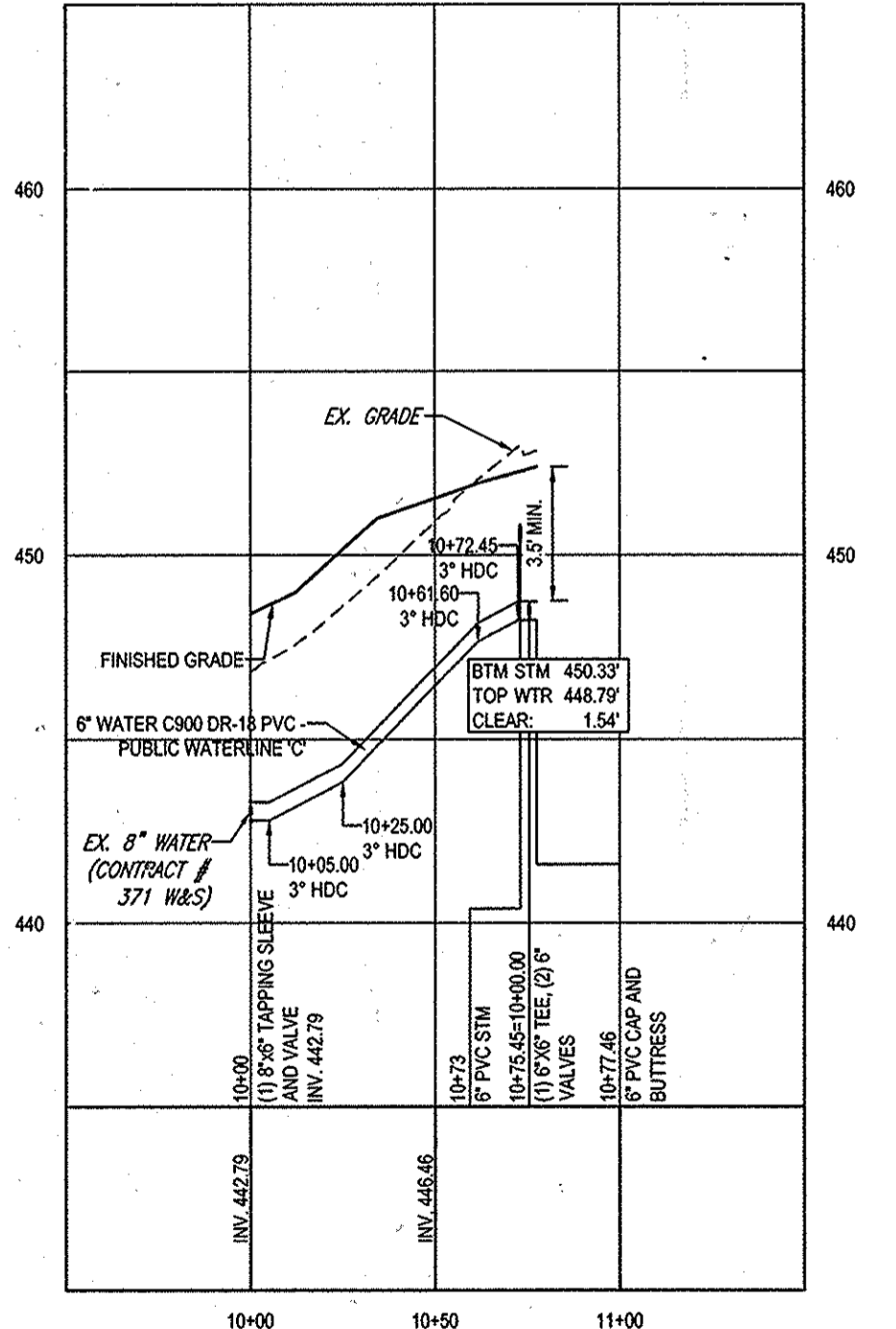
**FH#2 PROFILE**  
SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL



**FH#6 PROFILE**  
SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL

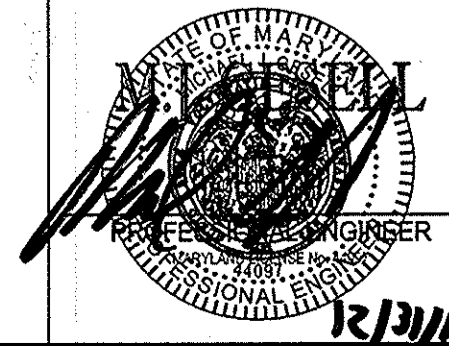


**FH#7 PROFILE**  
SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL



**WATERLINE 'C' PROFILE**  
SCALE: 1"=50' HORIZONTAL  
1"=5' VERTICAL

PROFESSIONAL CERTIFICATION  
I, MICHAEL J. GEBELL, 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. 44937, EXPIRATION DATE: 09/15



**BOHLER ENGINEERING**  
901 DULANEY VALLEY ROAD, SUITE 801  
TOWSON, MARYLAND 21284  
Phone: (410) 821-7900  
Fax: (410) 821-7987  
www.BohlerEngineering.com

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND  
*Steve C. Green*  
CHIEF, BUREAU OF UTILITIES DATE 1/15/14

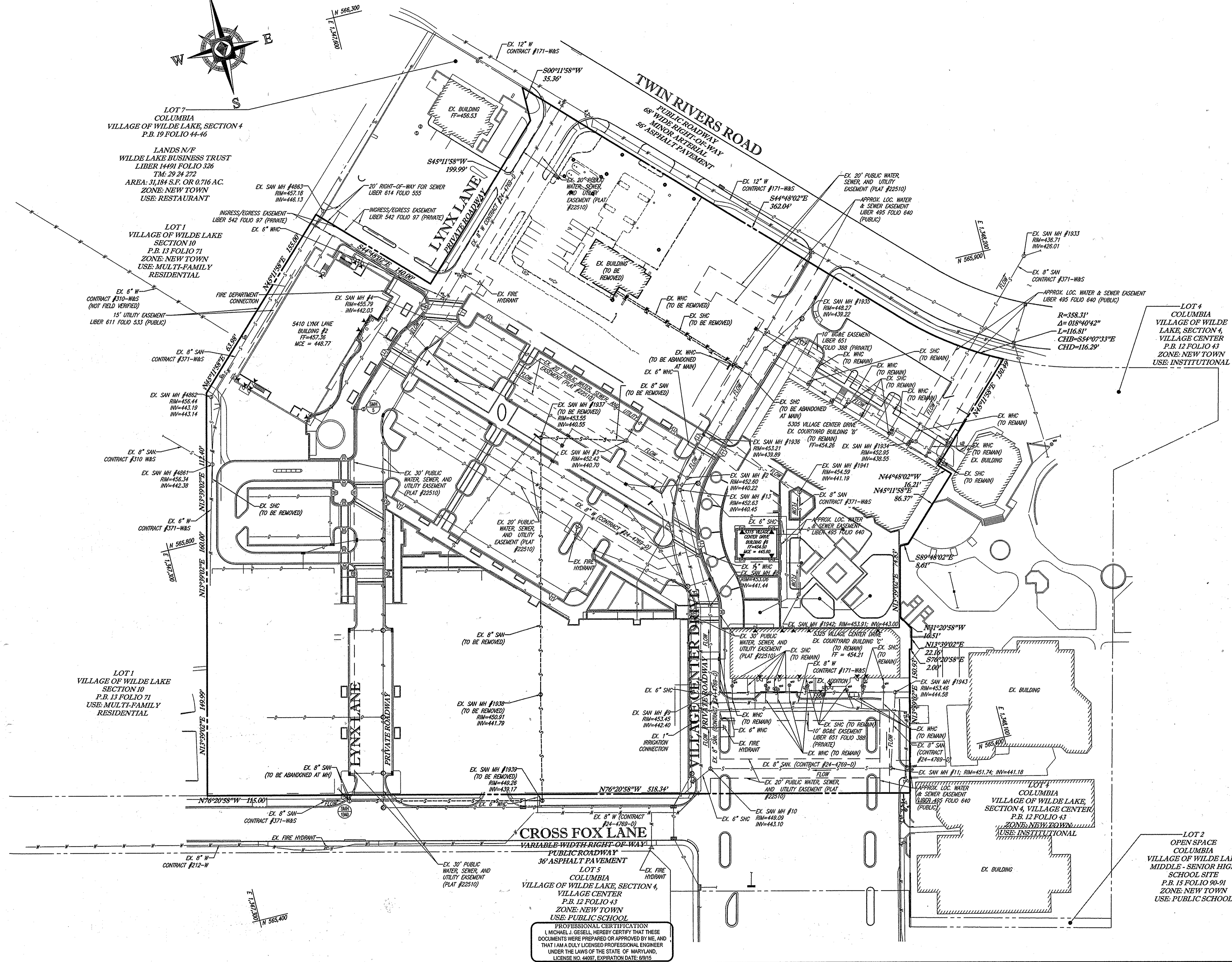
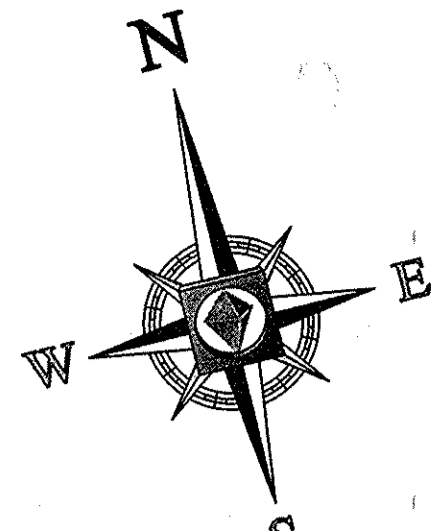
DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND  
*Chad Roberts*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE 2.15.14

DES: M.J.G.				
DRN: R.J.M.				
CHK: M.J.G.				
DATE: 12/23/13	REV.	DATE	DESCRIPTION	BY

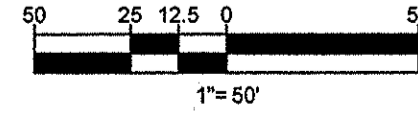
**WATER MAIN AND SEWER PROFILES**  
PARCEL NO. 272 (PARCELS A-C)  
600' SCALE MAP NO. 29 BLOCK NO. 29

**WILDE LAKE VILLAGE CENTER REDEVELOPMENT PHASE II**  
TAX MAP 29, PARCEL 272 (PARCELS A-C)  
5TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
CONTRACT NO.: 24-4842-D  
SCALE 1"=50'  
SHEET 3 OF 4

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE OF VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, AND DELAWARE CALL 811 (NV 1-800-245-6448; PA 1-800-242-1170; DC 1-800-257-7777; VA 1-800-552-7911; MD 1-800-257-7777; DE 1-800-342-8555)



PROFESSIONAL CERTIFICATION  
 I, MICHAEL J. GESELL, 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. 44087, EXPIRATION DATE: 09/15

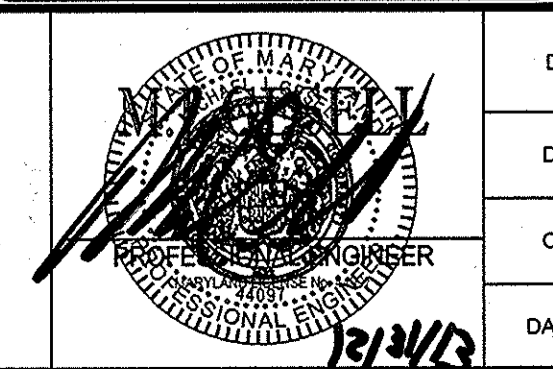


THE FOLLOWING STATES REQUIRE NOTIFICATION BY EDUCATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE: MARYLAND, VIRGINIA, DELAWARE, DISTRICT OF COLUMBIA, AND DELAWARE CALL - 811 (MD: 1-800-348-4889; VA: 1-800-262-7770; DC: 1-800-527-7777; VA: 1-800-552-7901; MD: 1-800-257-7777)

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND  
  
 CHIEF, BUREAU OF UTILITIES DATE: 11/2/14

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND  
  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 11/2/14

**BOHLER ENGINEERING**  
 901 DULANEY VALLEY ROAD, SUITE 801  
 TOWSON, MARYLAND 21284  
 Phone: (410) 821-7900  
 Fax: (410) 821-7987  
 www.BohlerEngineering.com



DES. M.J.G.	
DRN. R.J.M.	
CHK. M.J.G.	
DATE: 12/23/13	
REV.	DATE
	DESCRIPTION

EXISTING CONDITIONS AND ABANDONMENT PLAN	
PARCEL NO.	272 (PARCELS A-C)
60' SCALE MAP NO.	29
BLOCK NO.	

WILDE LAKE VILLAGE CENTER REDEVELOPMENT  
 PHASE II  
 TAX MAP 29, PARCEL 272 (PARCELS A-C)  
 5TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 CONTRACT NO.: 24-4842-D  
 SCALE: 1"=50'  
 SHEET: 4 OF 4

HOWARD COUNTY REALTY CORPORATION FORM 002 - WILDE LAKE, COLUMBIA PLAN SET/FINAL PUBLIC WATER AND SEWER CONSTRUCTION PLAN - PHAS