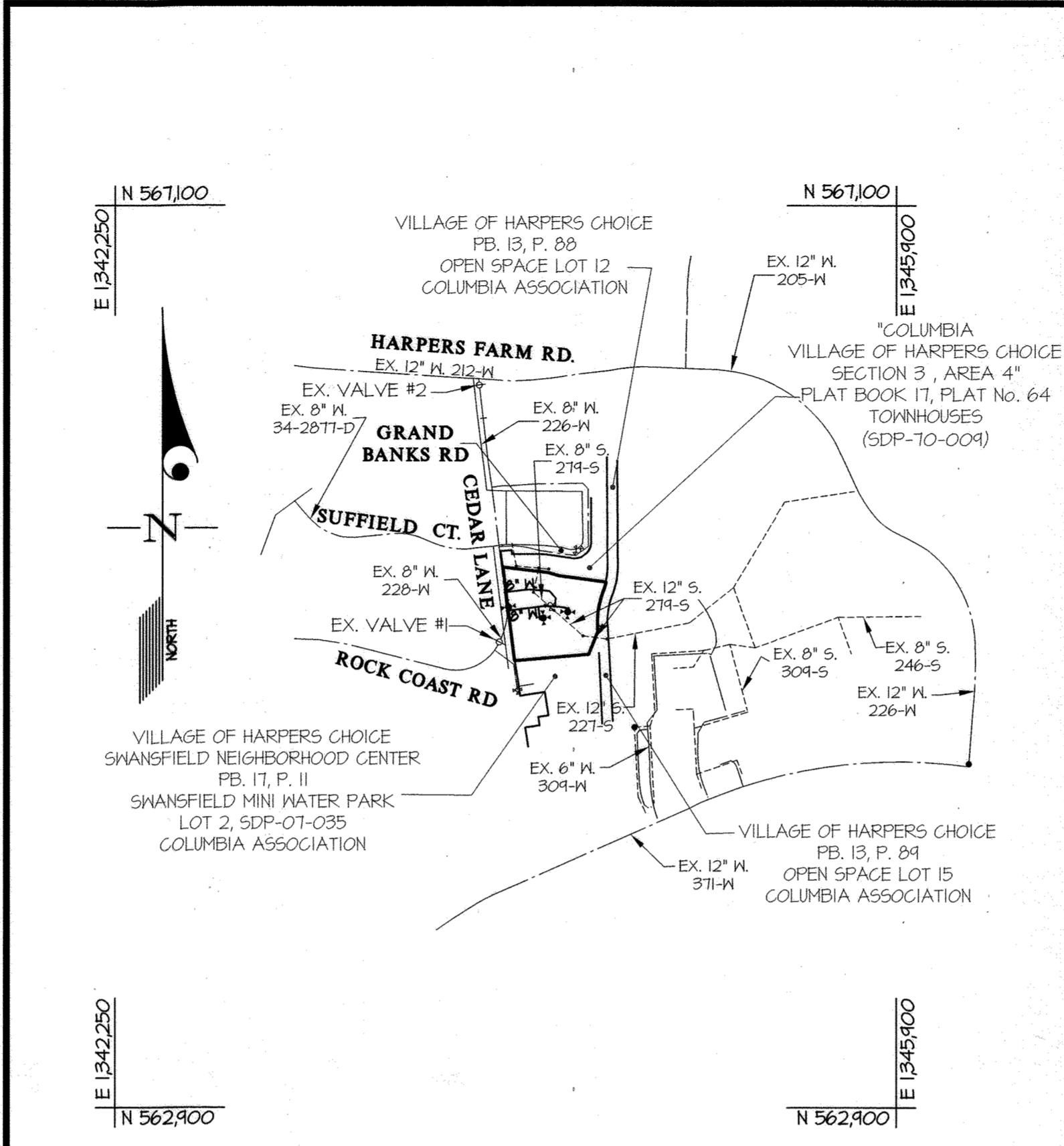


QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
6" SMC (PVC)	10 LF			
8" WATER MAIN C-900 DR 10	660 LF			
6" WATER MAIN (DIP) FH LEADS	52 LF			
8" x 6" F.H.T.	3 EA			
8" x 8" T.	4 EA			
8" V.	11 EA			
6" V.	3 EA			
8" CAP	2 EA			
8" 1/2 HB.	2 EA			
8" 1/2 HB.	2 EA			
8" HDC	4 EA			
FIRE HYDRANT	3 EA.			
CONTINUITY TEST STATION	3 EA.			
CLEANOUT/LAMPHOLE	2 EA.			
NAME OF UTILITY CONTRACTOR:				
SURVEY AND DRAFTING DIV.		CHECKBOX:.....	AS-BUILT DATE:.....	

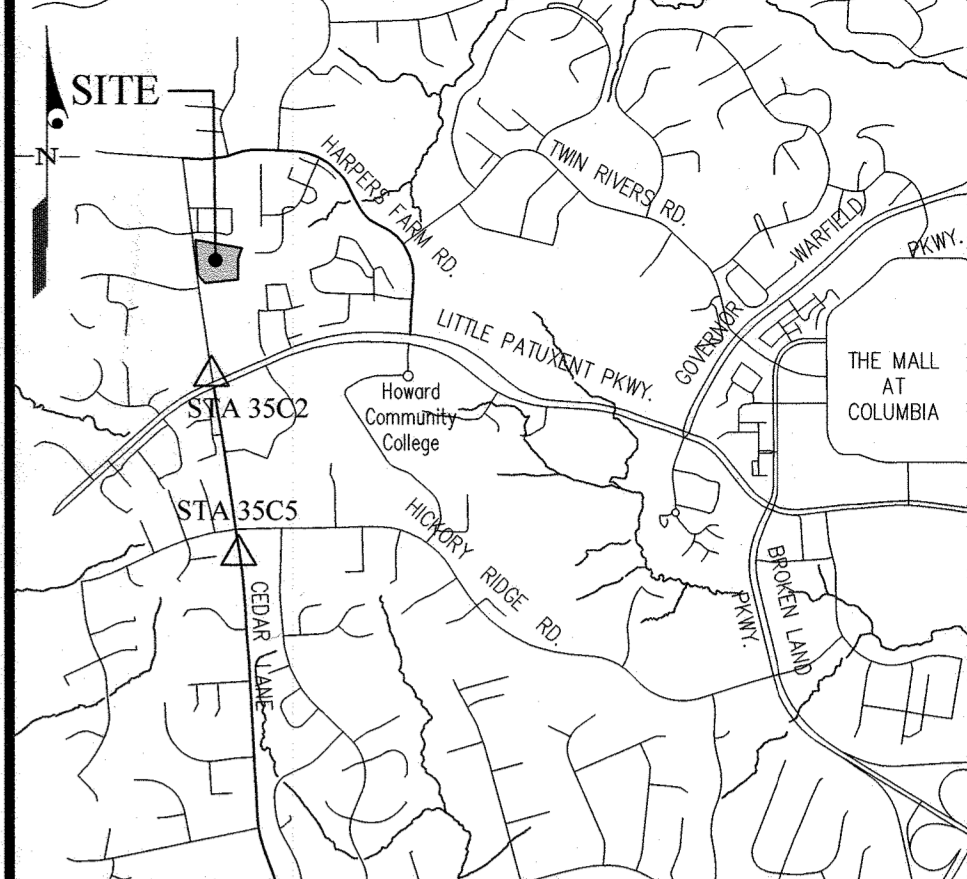


PRESSURE ZONE: 630 M	BENCHMARKS	35C2	35C5
TEST GRADIENT: 904		NORTHING: 563,920.824	NORTHING: 562,148.449
TEST PRESSURE: 116*		EASTING: 1,344,204.185	EASTING: 1,344,554.499
*BASED ON LOWEST INV = 454		ELEVATION: 463.405	ELEVATION: 451.541

LOCATION MAP
SCALE: 1"=600'

CONTRACT No. 24-5230-D
 WAVERLY WINDS APARTMENTS
 LOT 3A, SECTION 3, AREA 4
 VILLAGE OF HARPER'S CHOICE
 PLAT NO. 26412
 HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS

TYPE OF BUILDING	APARTMENTS
NUMBER OF UNITS	123
NUMBER OF S.H.C.'s	2
NUMBER OF W.H.C.'s	2
AREA OF COMMERCIAL LOT/PARCEL	3.71 ACRES
SEWER SHED	LITTLE PATUXENT TREATMENT PLANT
PUMPING STATION	NA



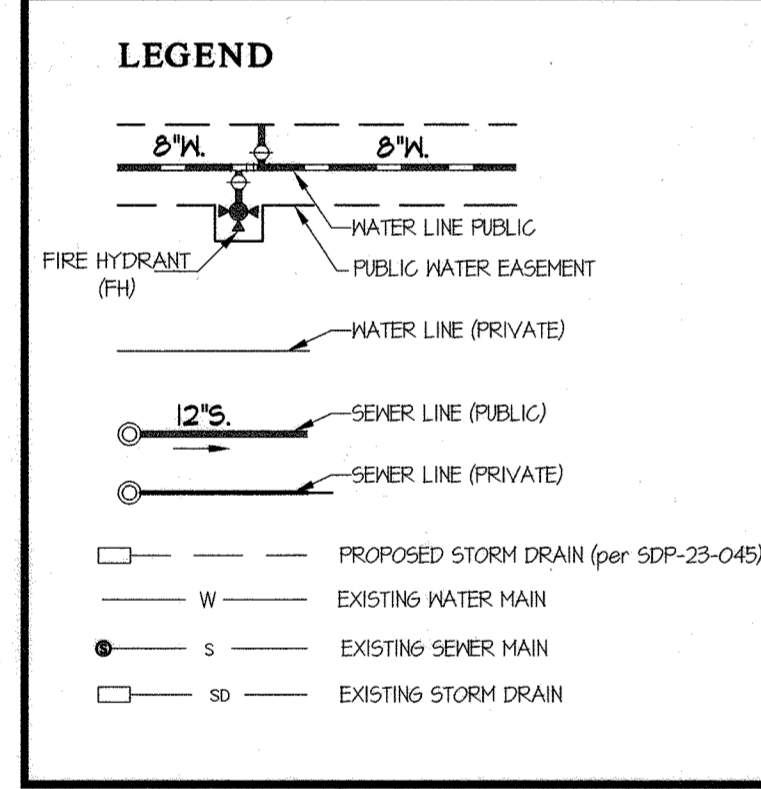
VICINITY MAP
SCALE: 1" = 2000'
ADC MAP 26
GRID D-8

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 existing topography performed by Gotschick Little & Heber, P.A.
- Horizontal and Vertical Survey Controls: The coordinates shown on the drawings are based on Maryland State Reference System NAD 83/11 as projected by Howard County Geodetic Control Stations No. 309A and No. 36AA. 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 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 (2017). 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:

AT&T	1-800-252-1133
BGE (Construction Services)	410-637-8713
BGE (Emergency)	410-685-0123
Bureau of Utilities	410-313-4400
Colonial Pipeline Co.	410-745-1340
Miss Utility	1-800-251-TTTT
State Highway Administration	410-531-5533
Verizon	1-800-743-0033

HC CONTROL STATIONS	
35C2	NORTHING: 563,920.824 EASTING: 1,344,204.185 ELEVATION: 463.405 (LATEST ADJ. FEB. 2014)
35C5	NORTHING: 562,148.449 EASTING: 1,344,554.499 ELEVATION: 451.541 (LATEST ADJ. FEB. 2014)



SHEET INDEX	
1 - COVER SHEET	
2 - WATER & SEWER PLAN & PROFILES	
3 - WATER & SEWER DEMOLITION PLAN	

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SDP-23-045, SECTION 308 OF THE SPECIFICATIONS AT SITE DEVELOPMENT PLAN STAGE.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *Alenxander Brantner* 04/18/24
 HOWARD S.C.D. Date

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
Robert 4/10/2024
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
Chad Elmer 4.25.24
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW
 PLANNING | ENGINEERING | SURVEYING
 3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20886 | GLWPA.COM
 PHONE: 301-421-4024 | BALIT: 410-880-1820 | DCBAV: 301-489-2524 | FAX: 301-421-4198

DESIGNED BY: **Wsj**
 DATE: APRIL, 2024
 DRAWN BY: **Wsj**
 G.L.W. No. 22017
 CHECKED BY: **LDD**
 PROFESSIONAL CERTIFICATION
 I HEREBY CERTIFY THAT THESE PLANS 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. 54390
 EXP. DATE: MAY 14, 2025

BY	NO	REVISION	DATE

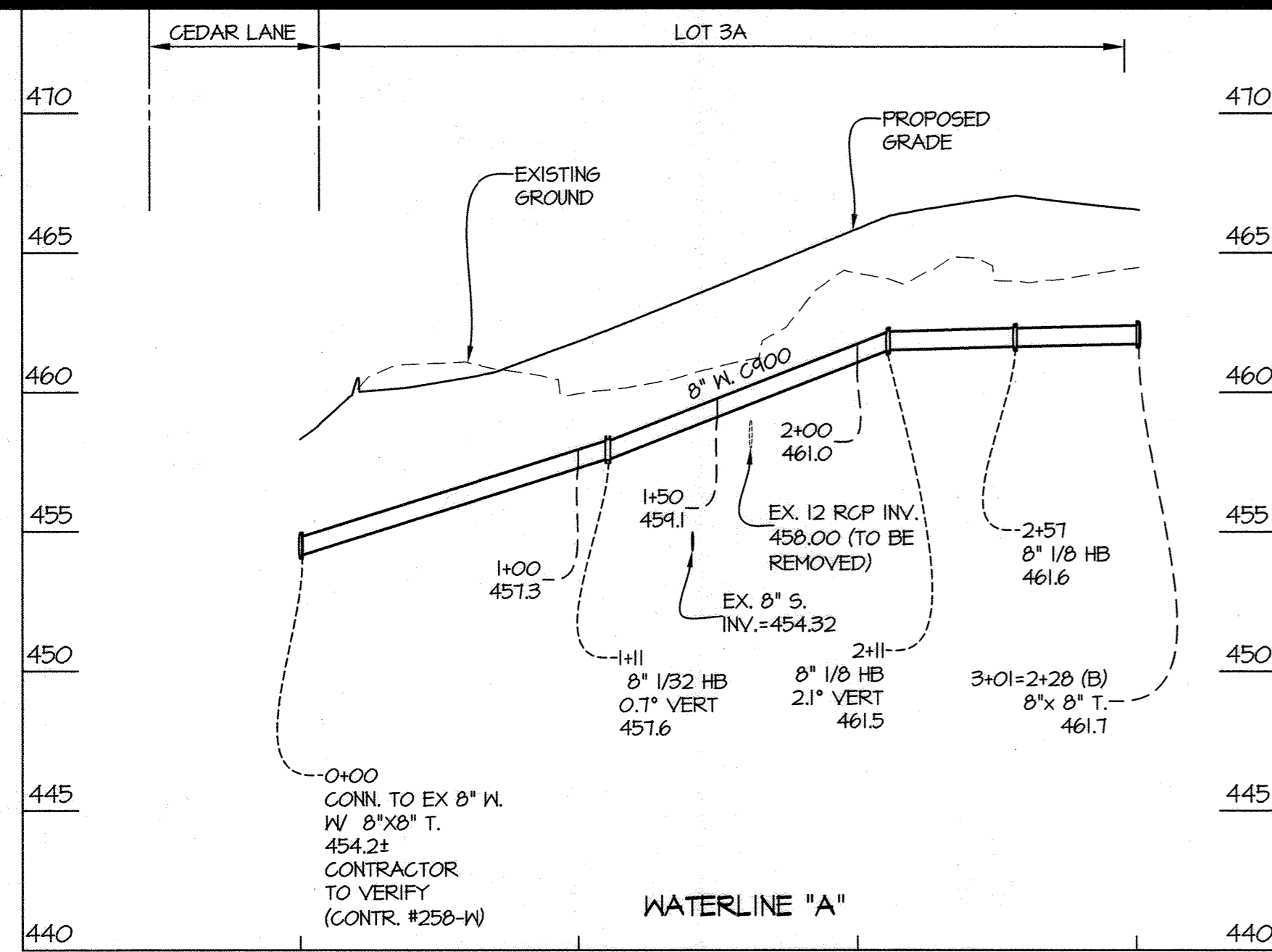
COVER SHEET
 600' SCALE MAP NO. 29 BLOCK NO. 23

PREPARED FOR:
Enterprise
 Enterprise Community Homes Housing LLC (Owner)
 Enterprise Community Development, Inc. (Developer)
 875 Hollis Street, Suite 202, Baltimore, MD 21201
 410-332-7400

Waverly Winds Apartments
 CONTRACT No. 24-5230-D
 LOT 3A, SECTION 3, AREA 4
 Village of Harper's Choice,
 Plat No. 26412
 Howard County, Maryland
 Election District No. 3

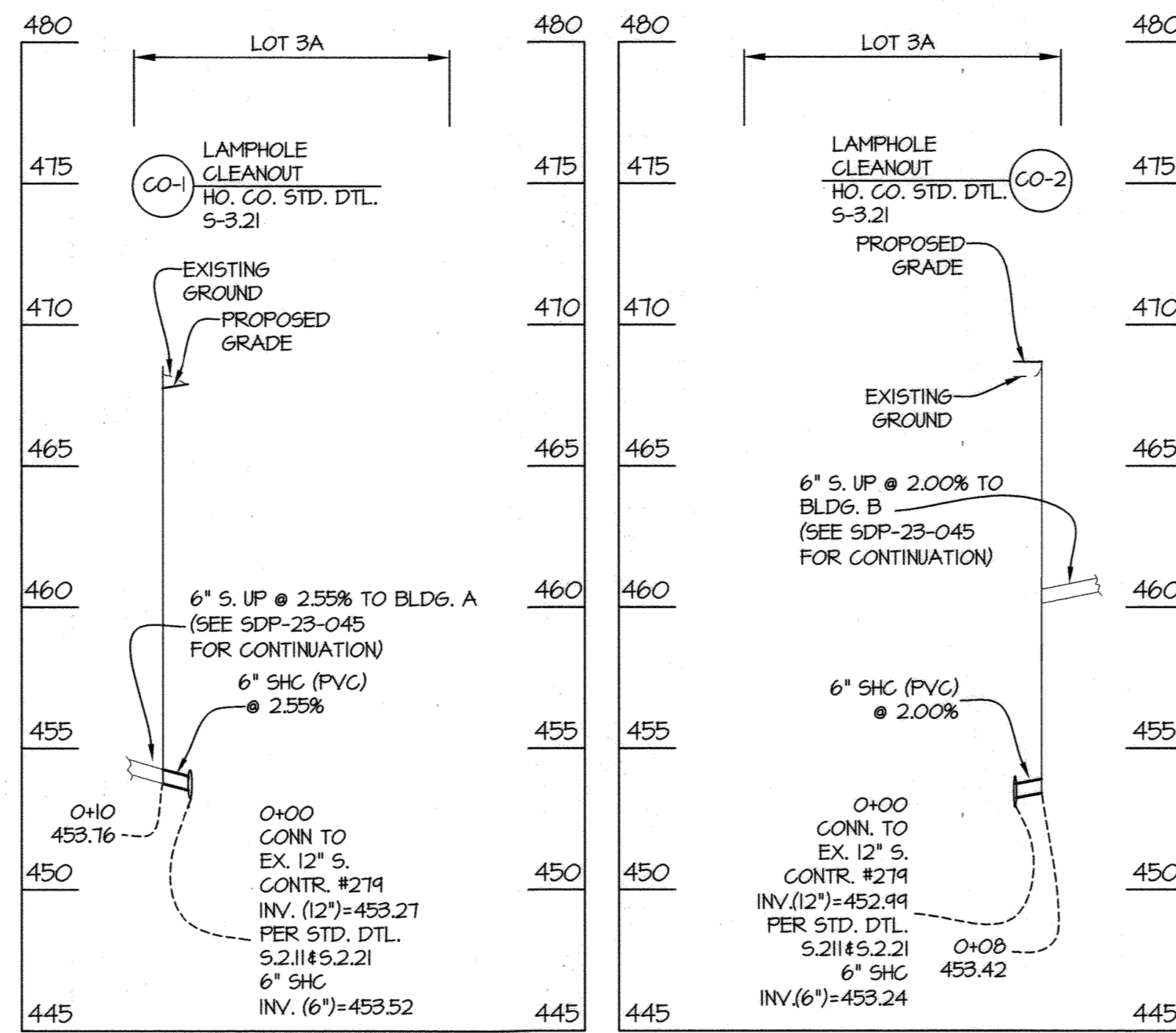
SCALE AS SHOWN
 SHEET 1 OF 3

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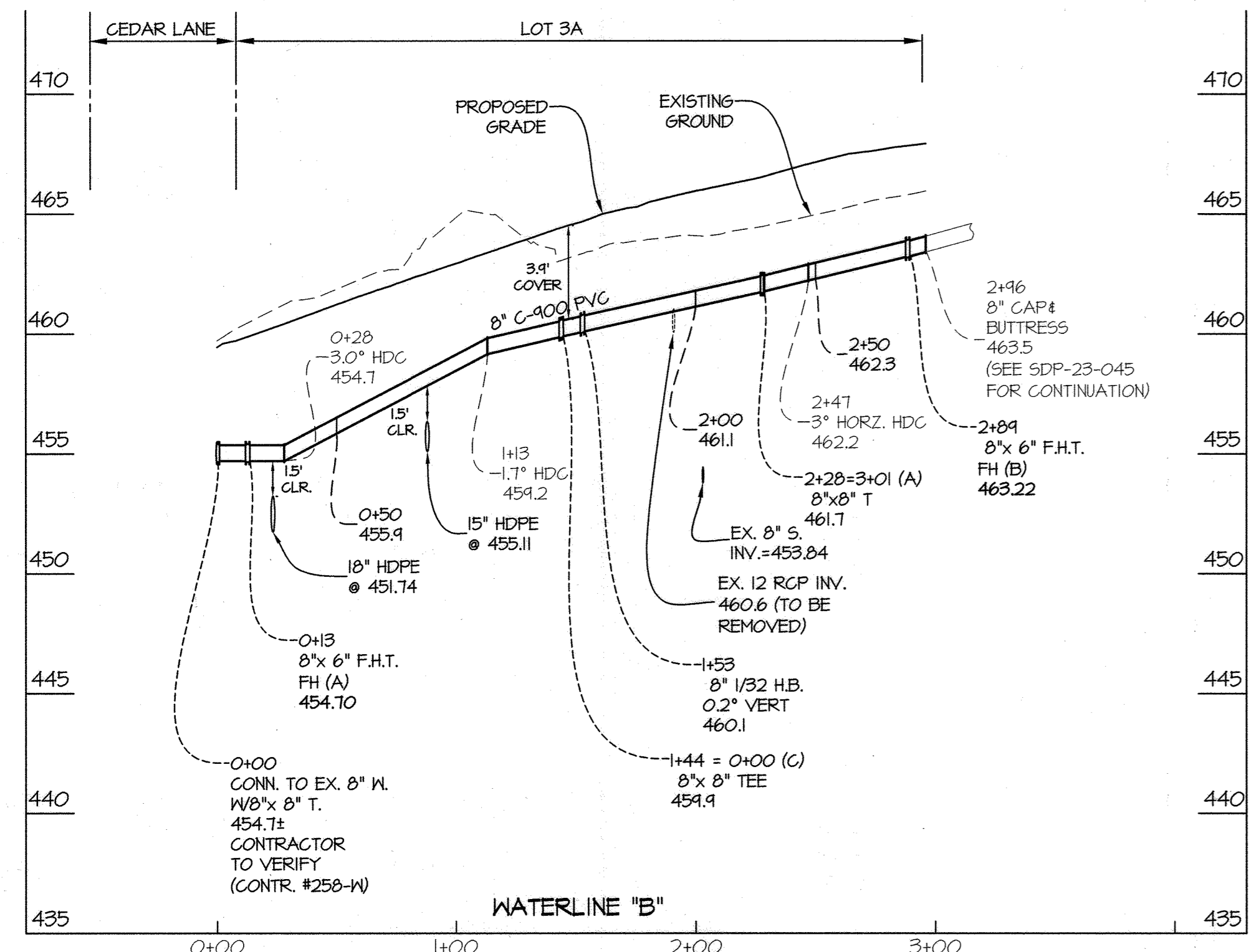
WATERLINE "A" FITTING CHART

STATION	FITTING	LOCATION
0+00	8" x 8" T.	N 565,247.09 E 1,344,067.18
1+11	8" 1/32 HB	N 565,310.78 E 1,344,177.09
2+11	8" 1/8 HB	N 565,303.52 E 1,344,271.14
2+57	8" 1/8 HB	N 565,264.10 E 1,344,306.91
3+01	8" x 8" TEE (B)	N 565,224.75 E 1,344,303.64



SHC TO BLDG. 'A' NOTE:
PER CONTR.# 274 N45 EXIST.
12" S. IS EITHER
VCPX, CPX, RCP OR ACP.
CONTRACTOR TO VERIFY
SIZE AND DEPTH TO

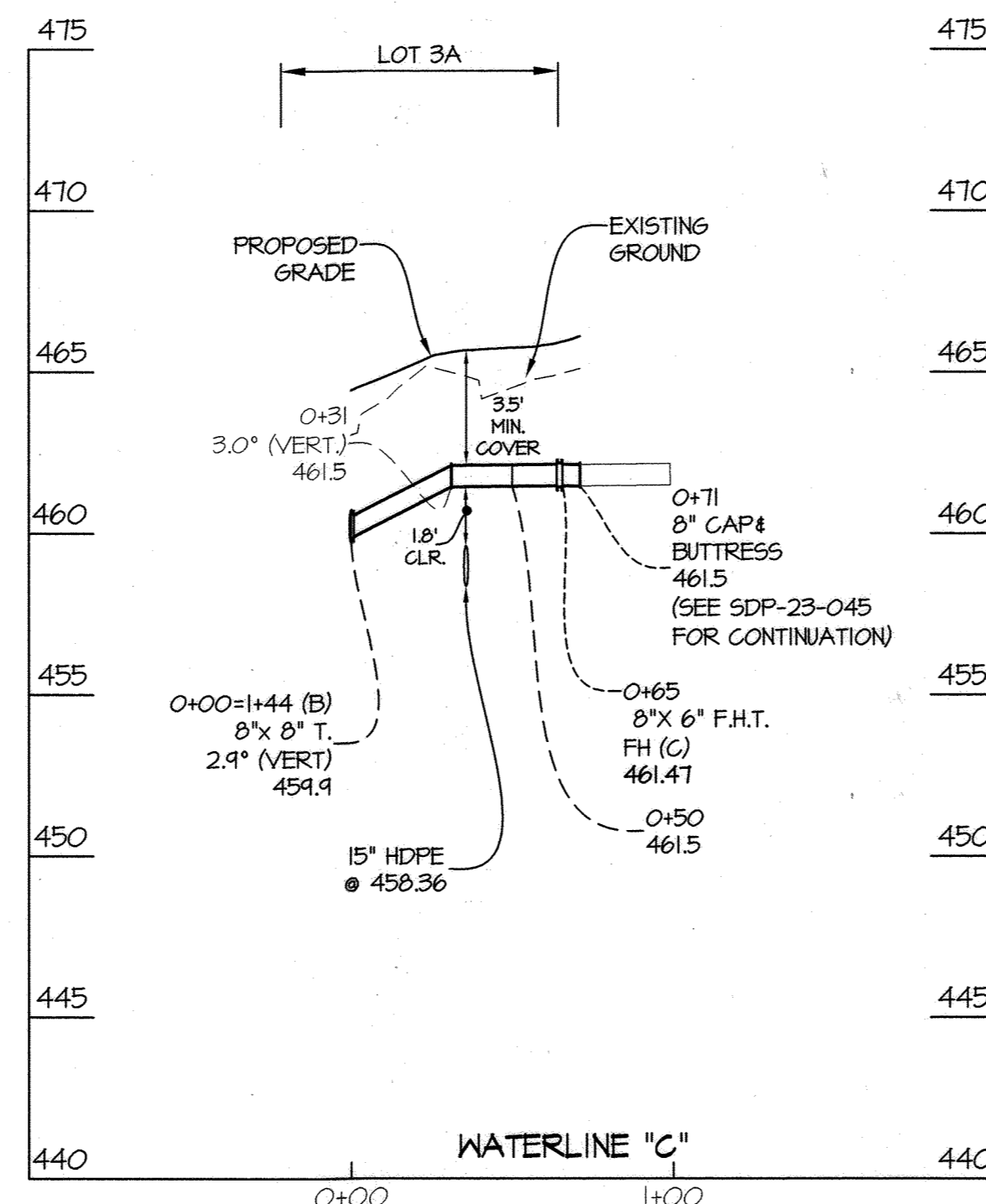
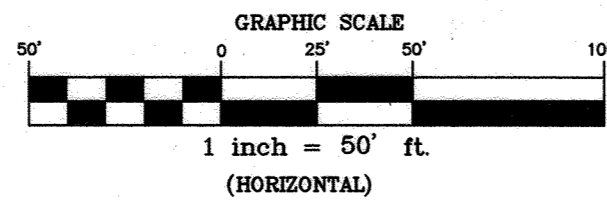
SHC TO BLDG. 'B'



WATERLINE "B" FITTING CHART

STATION	FITTING	LOCATION
0+00	8" x 8" T.	N 565,211.30 E 1,344,071.21
0+13	8" x 6" F.H.T.	N 565,212.87 E 1,344,084.87
0+28	8" HDC	SEE PROFILE
1+13	8" HDC	SEE PROFILE
1+44	8" x 8" TEE (C)	N 565,224.07 E 1,344,220.09
1+53	8" 1/32 HB.	N 565,230.18 E 1,344,228.42
2+28	8" x 8" TEE (A)	N 565,224.75 E 1,344,303.64
2+47	8" HDC	N 565,223.38 E 1,344,322.67
2+84	8" x 6" F.H.T.	N 565,218.19 E 1,344,363.85
2+46	8" CAP *	N 565,217.26 E 1,344,371.26

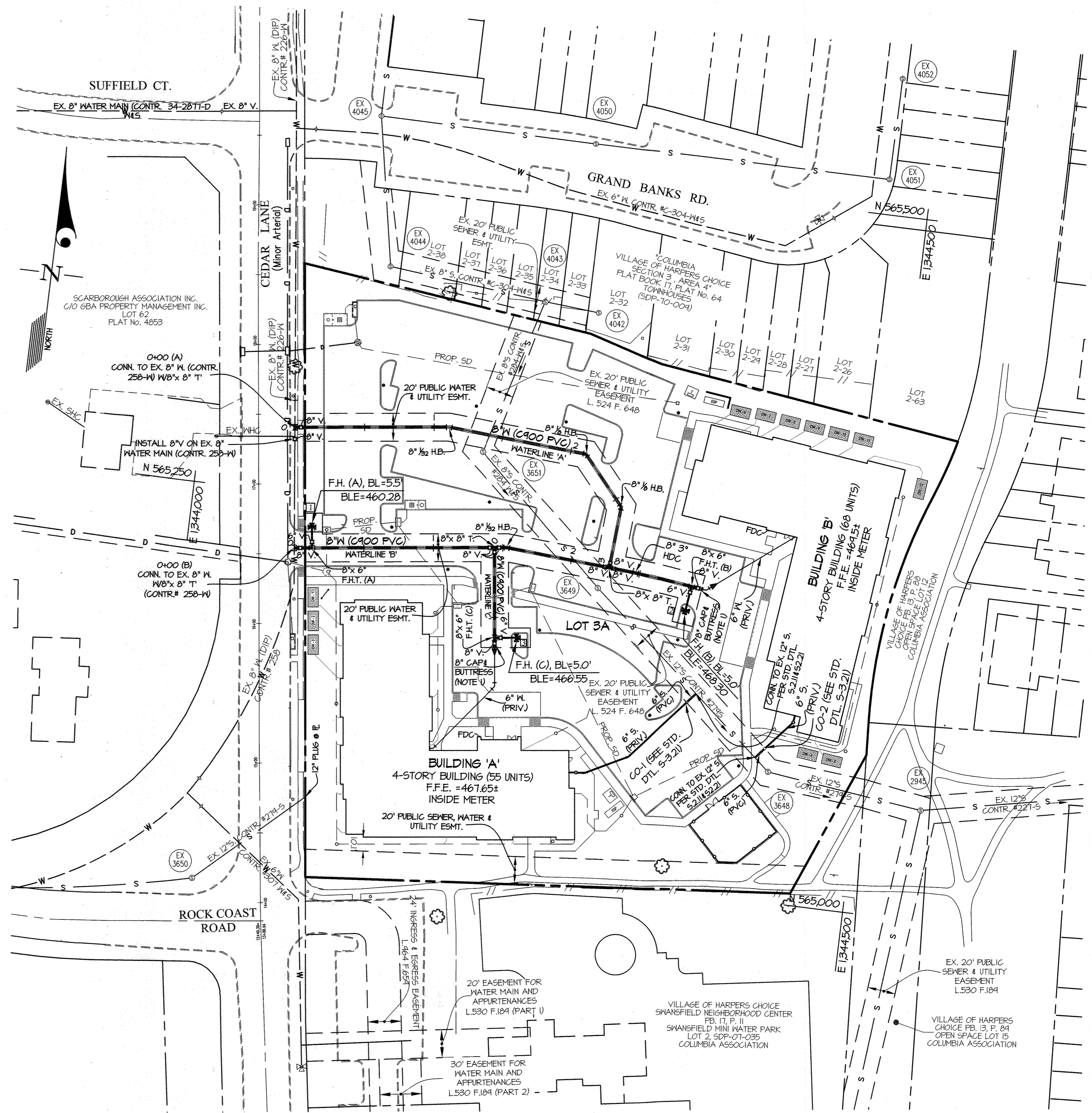
PROFILE SCALES:
HOR. 1" = 50'
VERT. 1" = 5'



WATERLINE "C" FITTING CHART

STATION	FITTING	LOCATION
0+00	8" x 8" TEE (B)	N 565,224.07 E 1,344,220.09
0+31	8" F.H.T.	SEE PROFILE
0+65	8" x 6" F.H.T.	N 565,164.90 E 1,344,228.00
0+71	8" CAP *	N 565,158.65 E 1,344,228.76

SEE NOTE 1 *

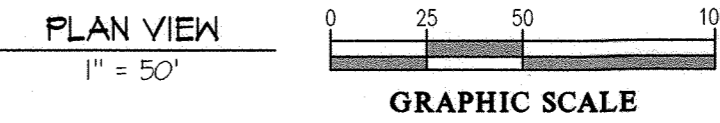


FIRE HYDRANT CHART

FH	NAD '83/91 COORDINATES
A	N 565,227.54 E 1,344,408.00
B	N 565,200.81 E 1,344,361.65
C	N 565,166.88 E 1,344,243.54

CABLE TEST STATION CHART

STR.	STATION	OFFSET	REMARKS
WATERMAIN "B"			
1	0+11	15' LEFT	HO. CO. STD. DETAIL W-115
2	2+86	18' RIGHT	HO. CO. STD. DETAIL W-115
WATERMAIN "C"			
3	0+67	16' RIGHT	HO. CO. STD. DETAIL W-115



NOTE 1:
8" CAP & BUTTRESS TO BE REMOVED
WHEN EXTENDING PRIVATE WATER LINE
PER SDP-23-45.

L:\CAD\DRAWINGS\2024\PLANS BY CLW\WWS\FINAL WWS\2024-04-10-2.dwg
PLOT DATE: 4/11/2024 2:53 PM. LAST SAVED: 4/11/2024 2:41 PM. PLOTTED BY: Mohammad Jorjass

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Shawn ABC
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
Chad P...
CHIEF, DEVELOPMENT ENGINEERING DIVISION

GLW
PLANNING | ENGINEERING | SURVEYING
3809 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20996 | GLWPA.COM
PHONE: 301-421-4024 | FAX: 301-421-4186

DESIGNED BY: **Wj**
DRAWN BY: **Wj**
CHECKED BY: **LDD**
DATE: APRIL, 2024
G.L.W. No. 22017

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS
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. 54390
EXP. DATE: MAY 14, 2025

BY	NO	REVISION	DATE

FINAL WATER & SEWER PLAN & PROFILES
600' SCALE MAP NO. 29 BLOCK NO. 23

PREPARED FOR:
Enterprise
Enterprise Community Homes Housing LLC (Owner)
Enterprise Community Development, Inc. (Developer)
875 Hollin Street, Suite 202, Baltimore, MD 21201
410-332-7400

Waverly Winds Apartments
CONTRACT No. 24-5230-D
LOT 3A, SECTION 3, AREA 4
Village of Harper's Choice,
Howard County, Maryland
Election District No. 5

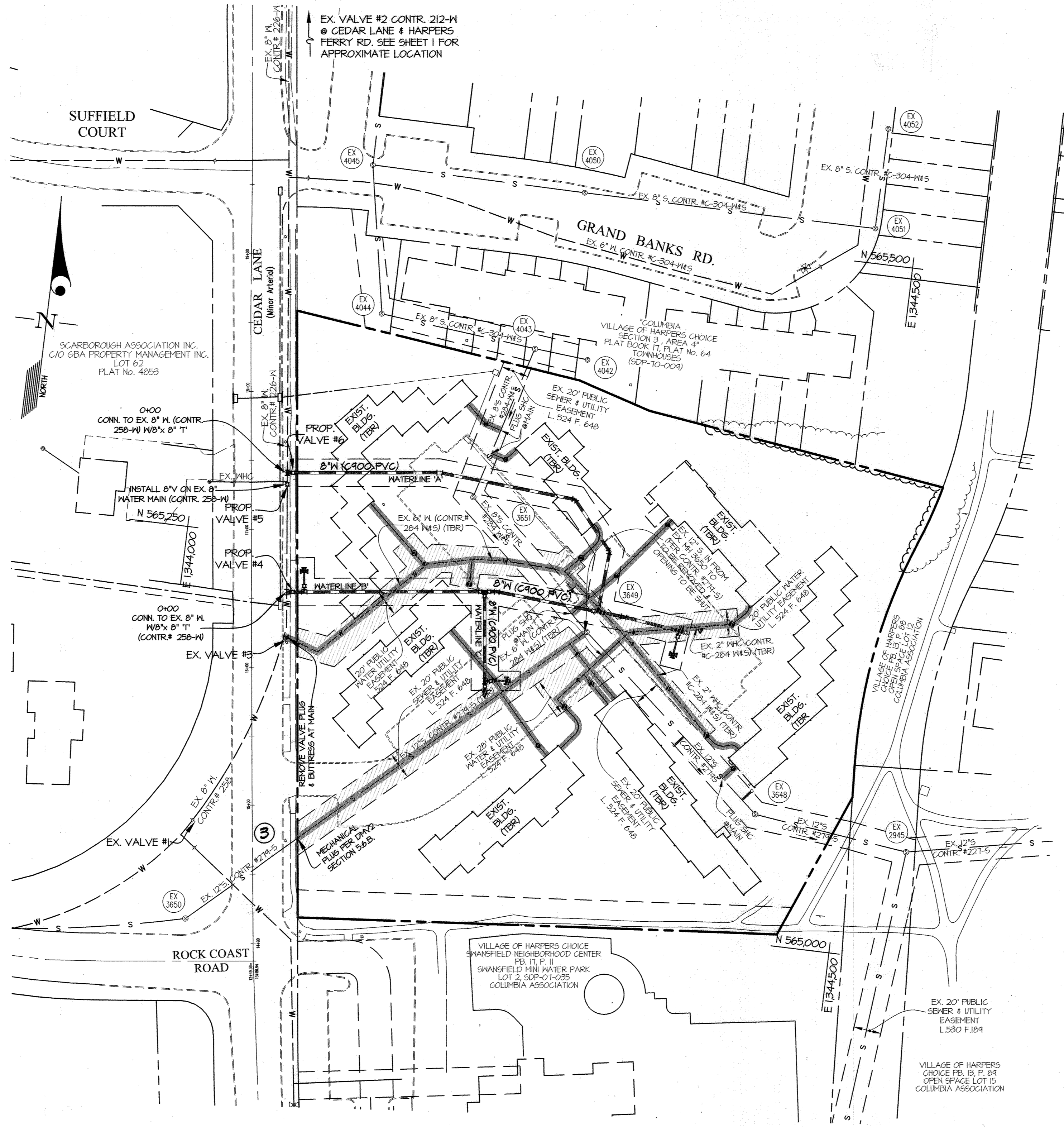
SCALE AS SHOWN
SHEET 2 OF 3

SEQUENCE OF CONSTRUCTION:

(SEE SDP-23-045 FOR ADDITIONAL INFORMATION)

1. DISCONNECT ALL EXISTING ON SITE STRUCTURES FROM PUBLIC WATER AND SEWER MAINS.
2. CLOSE EX. VALVE #3 & ABANDON EX. WATER MAIN, SEWER MAIN, SHC'S, WHC'S, AS SHOWN ON THIS PLAN.
3. INSTALLATION MAY BEGIN FOR ALL PROPOSED WATER AND SEWER.
4. WHEN INSTALLING WATER CONNECTIONS AT CEDAR LANE:
 - a. PROVIDE NOTICE TO ALL IMPACTED PROPERTIES IN ACCORDANCE WITH HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS REQUIREMENTS.
 - b. CLOSE EX. VALVES #1 & #2
 - c. DRAIN EXISTING WATER MAIN. INSTALL 8"x8" T' AT WATERLINE 'A' STATION 0+00 AND INSTALL PROPOSED VALVES 5 & 6.
 - d. ONCE INSTALLATION COMPLETE AND TESTED, ENSURE PROPOSED VALVES 5 & 6 ARE CLOSED AND OPEN EX. VALVE #2. RESTORE SERVICE TO IMPACTED PROPERTIES.
 - e. INSTALL 8"x8" T' AT WATERLINE 'B' STATION 0+00 AND INSTALL PROPOSED VALVE #4.
 - f. REMOVE EX. VALVE #3 AND PLUG AND BUTTRESS AT MAIN.
 - g. ONCE INSTALLATION COMPLETE AND TESTED, ENSURE PROPOSED VALVE 7 IS CLOSED AND OPEN EX. VALVE #1.
5. INSTALL REMAINING WATER AND SEWER.

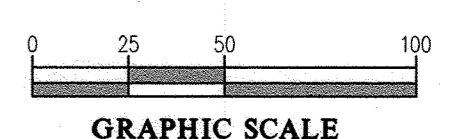
SEE SDP-23-045 FOR ALL MAINTENANCE OF TRAFFIC PLANS



LEGEND

- EXISTING WATER MAIN (TO BE ABANDONED OR REMOVED)
- EXISTING SEWER MAIN (TO BE ABANDONED OR REMOVED)
- EASEMENTS (TO BE ABANDONED)

ABANDONMENT NOTE:
 EXISTING PUBLIC SEWER THAT IS NOT REMOVED SHALL BE ABANDONED PER HOWARD COUNTY DEIGN MANUAL, VOLUME 2, SECTION 5.6.B, WHICH STATES "ALL SEWERS 15-INCHES AND SMALLER SHALL BE ABANDONED BY INSERTING A MECHANICAL PLUG A MINIMUM OF 12-INCHES INTO THE ABANDONED PIPELINE. ALL SPACE AROUND THE PIPELINE BEHIND THE PLUG SHALL BE FILLED/SURROUNDED BY NON-SHRINK GROUT OR 2500 PSI CONCRETE. FOR SEWERS LARGER THAN 15-INCHES, A MASONRY PLUG SHALL BE INSTALLED IN LIEU OF A MECHANICAL PLUG AND THE PIPELINE ABANDONED, AS PREVIOUSLY DESCRIBED."



PREPARED FOR:
Enterprise
 Enterprise Community Homes Housing LLC (Owner)
 Enterprise Community Development, Inc. (Developer)
 875 Hollis Street, Suite 202, Baltimore, MD 21201
 410-332-7400

L:\CADD\BANKERS\2024\24-5230-D\24-5230-D.dwg BY: G.W. WESTERLAK, WGA/SDP/24-5230-D, 4/25/24, PLOT DATE: 4/25/24, PLOT TIME: 10:00 AM, PLOT BY: G.W. WESTERLAK, WGA/SDP/24-5230-D, 4/25/24, PLOT TIME: 10:00 AM, PLOT BY: G.W. WESTERLAK, WGA/SDP/24-5230-D, 4/25/24, PLOT TIME: 10:00 AM

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 4/10/2024 CHIEF, BUREAU OF UTILITIES	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND DATE: 4-25-24 CHIEF, DEVELOPMENT ENGINEERING DIVISION	PLANNING ENGINEERING SURVEYING 3809 NATIONAL DRIVE SUITE 250 BURTONSVILLE, MD 20886 GLWPA.COM PHONE: 301-421-4024 BALTO: 410-980-1820 DC&VA: 301-989-2524 FAX: 301-421-4196	DESIGNED BY: Wsj DATE: APRIL, 2024 DRAWN BY: Wsj CHECKED BY: LDD G.L.W. No. 22017	PROFESSIONAL CERTIFICATION I HEREBY CERTIFY THAT THESE PLANS 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. 54390 EXP. DATE: MAY 14, 2025	FINAL WATER & SEWER DEMOLITION PLAN	Waverly Winds Apartments CONTRACT No. 24-5230-D LOT 3A, SECTION 3, AREA 4 Village of Harper's Choice, Plat No. 26412 Howard County, Maryland Election District No. 3	SCALE 1" = 50' SHEET 3 OF 3
600' SCALE MAP NO. 29 BLOCK NO. 23							