

LEGEND

RIGHT-OF-WAY LINE	---
PROPERTY LINE	---
EX. EASEMENT	---
EX. CONCRETE CURB AND GUTTER	---
EX. BUILDING	---
EX. STORM DRAIN, MANHOLE & INLET	---
EX. SANITARY SEWER, MANHOLE & CLEANOUT	---
EX. WATER MAIN, VALVE & FIRE HYDRANT	---
EX. LIGHT	---
"EXISTING" DESIGNATION	EX.
PR. EASEMENT	PR.C&G
PR. CONCRETE CURB & GUTTER	PR.C&G
PR. CONCRETE	PR.15'D
PR. STORM DRAIN, MANHOLE & INLET	PR.15'D
PR. SANITARY SEWER & CLEANOUT	PR.6"S
PR. WATER MAIN, VALVE & FIRE HYDRANT	PR.6"W
PR. RETAINING WALL	PR.6"W



Professional Certification. I hereby certify that this document was prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 22098 Expiration Date: 9/10/2022

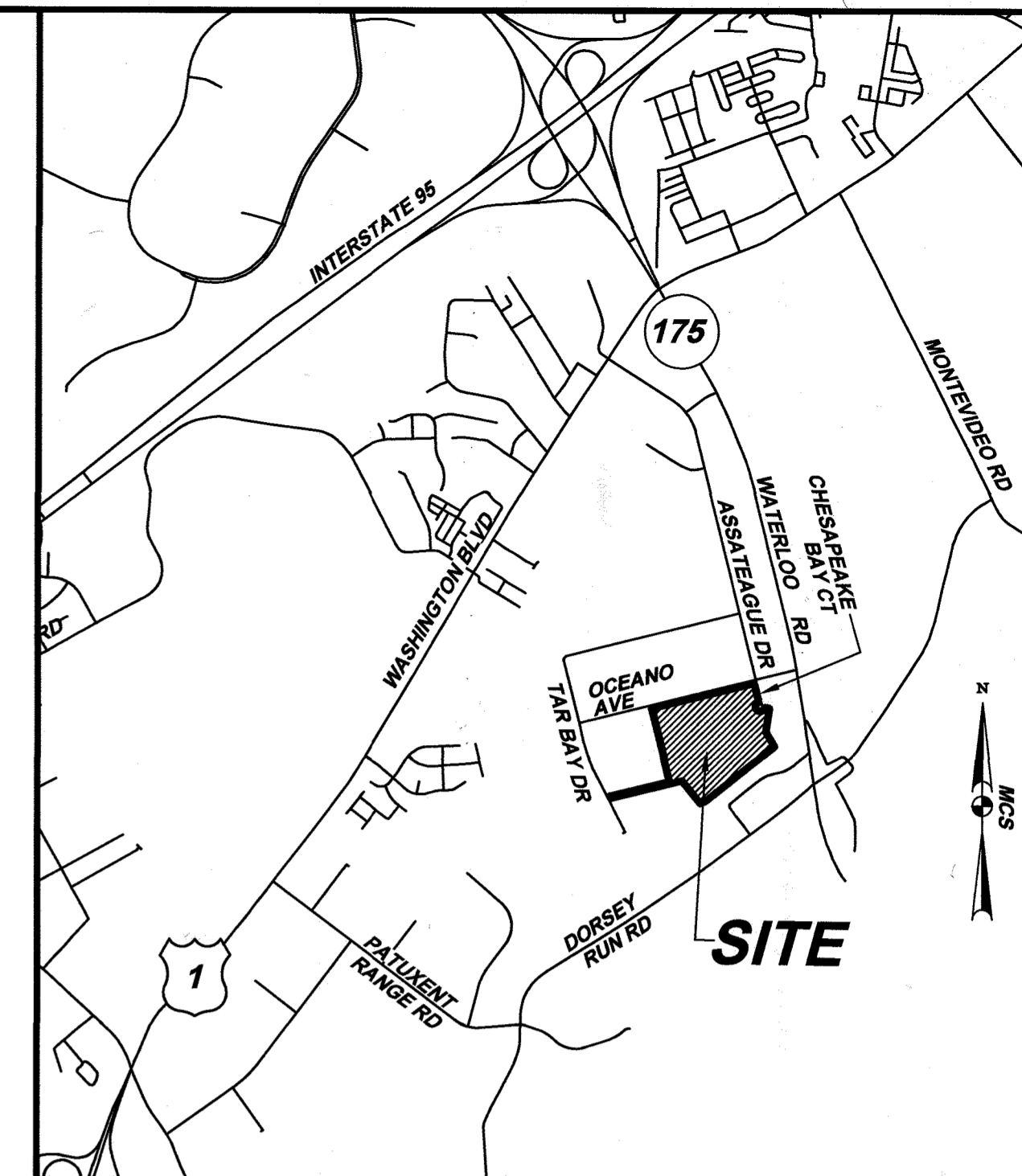
Contract No. 24-4861-D

MARYLAND FOOD CENTER AUTHORITY

PARCEL B-1 & E-1

PUBLIC WATER & SEWER CONSTRUCTION PLANS

Howard County, Maryland Department of Public Works



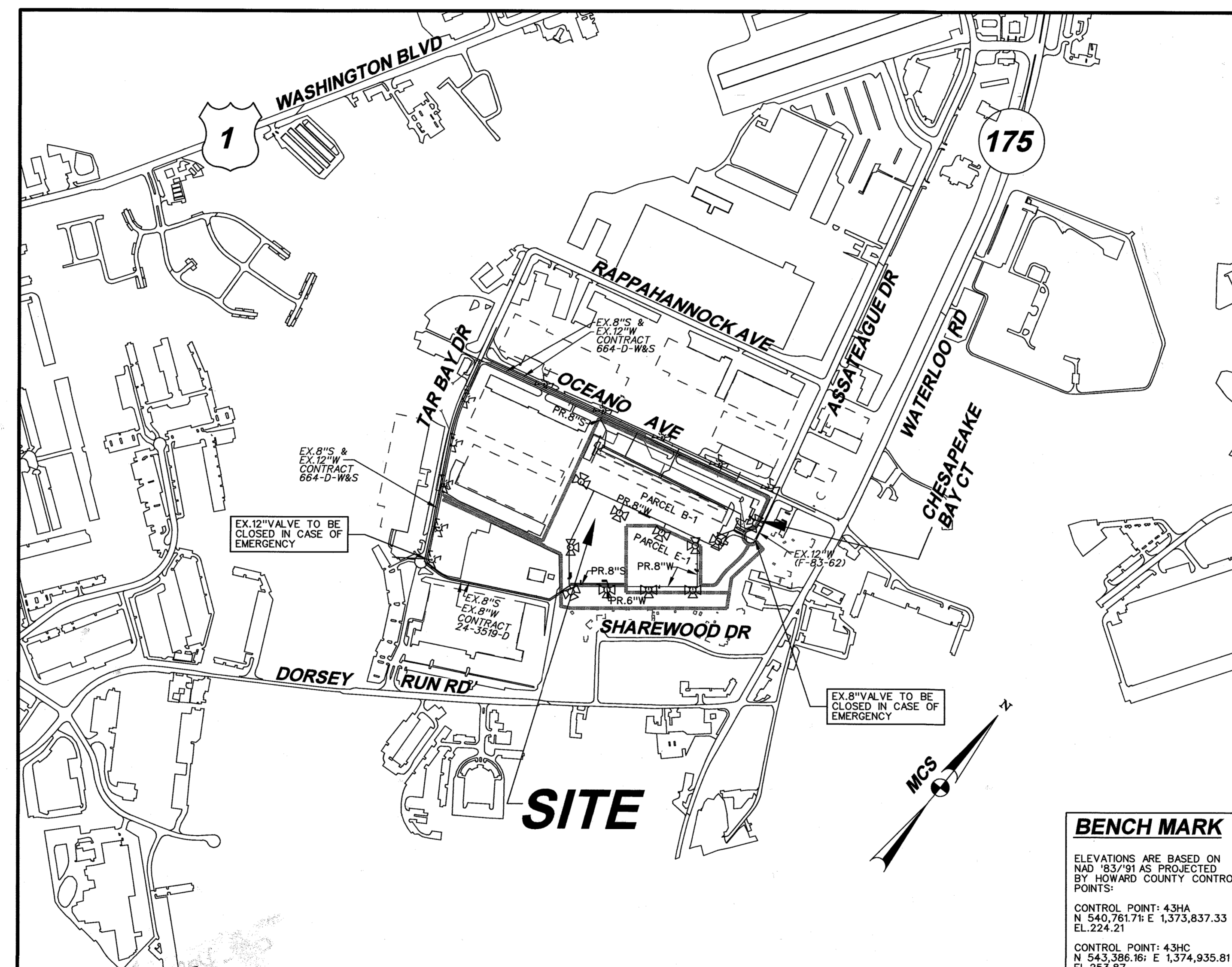
VICINITY MAP
SCALE: 1"=200'

QUANTITIES		AS-BUILT	
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	MANUFACTURER / SUPPLIER
6" PVC SCHEDULE 40 SEWER MAIN	10 LF		SDR-35 JM EAGLE
8" PVC SCHEDULE 40 SEWER MAIN	1 LF		SDR-35 JM EAGLE
SANITARY MANHOLE (G-5.12)		2	EENAH FOUNDRY
TYPE 'A' DROP CONNECTION (S-1.32)	1 EACH	1	SDR-95 PLASTIC TRENDS
TYPE 'B' DROP CONNECTION (S-1.32)	1 EACH	1	SDR-95 PLASTIC TRENDS
6" DR WATER MAIN PVC	204 LF		DR-18 JM EAGLE
8" PVC DR 18 WATER MAIN	3362 LF		DR-18 JM EAGLE
6" PVC DR 18 WATER MAIN	10 LF		DR-18 JM EAGLE
6" VALVE & ROADWAY BOX	11 EACH	10	MJ GATE MUELLER CO.
8" VALVE & ROADWAY BOX	2 EACH	8	MJ GATE MUELLER CO.
12" FIRE STOP INSERTION VALVE & ROADWAY BOX	1 EACH	1	MJ GATE MUELLER CO.
8" x 8" TEE	9 EACH	9	STAR PIPE
8" x 8" TEE	6 EACH	5	MJ TEE STAR PIPE
FIRE HYDRANT	10 EACH	10	MUELLER CO.
8"-1/4" HORIZ. BEND	11 EACH	7	MJ 45 STAR PIPE
8"-1/2" HORIZ. BEND	1 EACH		
8"-1/2" HORIZ. BEND	1 EACH		
8"-1/4" VERT. BEND	23 EACH	25	MJ 22 STAR PIPE
8" 1" DEFLECTION COUPLING	3 EACH		
8" 2" DEFLECTION COUPLING	1 EACH		
8" 3" DEFLECTION COUPLING	1 EACH		
6" PLUG	1 EACH	1	MJ CAP STAR PIPE
8" PLUGS	2 EACH	2	MJ CAP STAR PIPE
8" x 8" CROSS	1 EACH	1	MJ CROSS STAR PIPE
8" CAP & BUTTRESS	1 EACH	1	MJ CAP STAR PIPE
12" x 8" REDUCER	1 EACH	1	MJ SLEEVE STAR PIPE
8" SLEEVE & SPACER	4 EACH	1	MJ SLEEVE STAR PIPE
1" CORPORATION ASSEMBLY	1 EACH		
1" WATER LINE (COPPER)	10 LF		

NAME OF UTILITY CONTRACTOR: _____
 SURVEY AND DRAFTING DIVISION AS-BUILT DATE: _____

Lot Number	Address	Location Dimension 1	Location Dimension 2
PARCEL B-1	BLDG. II	FH-1 96.1'	FH-2 193.9'
PARCEL E-1	BLDG. IV	FH-G 91.7'	SMH 112.6'

Lot Number	Address	Location Dimension 1	Location Dimension 2
PARCEL B-1	BLDG. II	FH-1 96.1'	FH-2 193.9'
PARCEL E-1	BLDG. IV	FH-G 91.7'	SMH 112.6'



ELEVATIONS ARE BASED ON NAD '83/91 AS PROJECTED BY HOWARD COUNTY CONTROL POINTS:
CONTROL POINT: 43HA N 540,761.71; E 1,373,837.33 EL. 224.21
CONTROL POINT: 43HC N 543,386.16; E 1,374,935.81 EL. 253.87
WATER ZONE: 400
TEST GRADIENT: 550

TYPE OF BUILDINGS: OFFICE / WAREHOUSE
NO. OF LOTS / PARCELS: 2
NO. OF WATER HOUSE CONNECTIONS: 3
NO. OF SEWER HOUSE CONNECTIONS: 3
DRAINAGE AREA: DORSEY
TREATMENT PLANT: LITTLE PATUXENT WATER RECLAMATION PLANT SAVAGE, HOWARD COUNTY

ITEMS	QUANTITIES ESTIMATED	QUANTITIES	TYPE	MANUFACTURER / SUPPLIER (AS-BUILT)
10" PVC DR 18 WATER MAIN	10 LF			
10" PWG	1 EACH			
10" x 8" REDUCER	1 EACH			

G-1	WATER AND SEWER COVER SHEET
C-2	WATER AND SEWER PLAN VIEW
C-3	WATER AND SEWER PLAN VIEW
C-4	WATER PROFILES
C-5	WATER PROFILES
C-6	SEWER PLAN VIEW AND PROFILES

AS-BUILT
 Date: 2/3/19

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308, VOLUME IV OF THE SPECIFICATIONS.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
 APPROVED: [Signature] DATE: 8/1/14

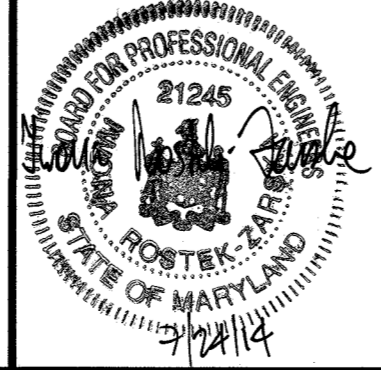
OWNER
 MARYLAND FOOD CENTER AUTHORITY
 7801 OCEANO AVE
 BALTIMORE, MARYLAND 21244
 PHONE (410) 379-5760

DEVELOPER
 MERRITT PROPERTIES, LLC
 2066 LORD BALTIMORE DRIVE
 BALTIMORE, MARYLAND 21244
 PHONE (410) 298-2600

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. 21245, EXPIRATION DATE: JUNE 9, 2016.

BLDG
 Baltimore Land Design Group Inc.
 Consulting Engineers
 230 SCHILLING CIRCLE, SUITE 364 • HUNT VALLEY, MARYLAND 21031
 PHONE: 410.229.9851 • FAX: 410.229.9865 • BLDG@BLDGINC.COM



DESIGNED BY: DG	K. U.	REPLACED BLDG II WITH A TRUCK WASH OUT FACILITY ADDED WHC AND SHC ALONG WITH A GREASE TRAP REVISIONS ARE BASED ON CHANGES PROVIDED BY M&A, INC.	8/10/18
DRAWN BY: DG	BLOG	CHANGE LOCATION BUILDING II WHC & SHC	7/12/19
CHECKED BY: DG / VZ	MRA	REVISED QUANTITIES DUE TO WATER MAIN CHANGES, REVISED SHEET INDEX.	8/9/21
DATE: 03-07-14	BY NO.	REVISION	DATE

MARYLAND FOOD CENTER AUTHORITY
 PARCEL B-1 & E-1
 CONTRACT NO. 24-4861-D

PUBLIC WATER & SEWER CONSTRUCTION PLANS
 COVER SHEET

SCALE: AS SHOWN

SHEET 1 OF 6

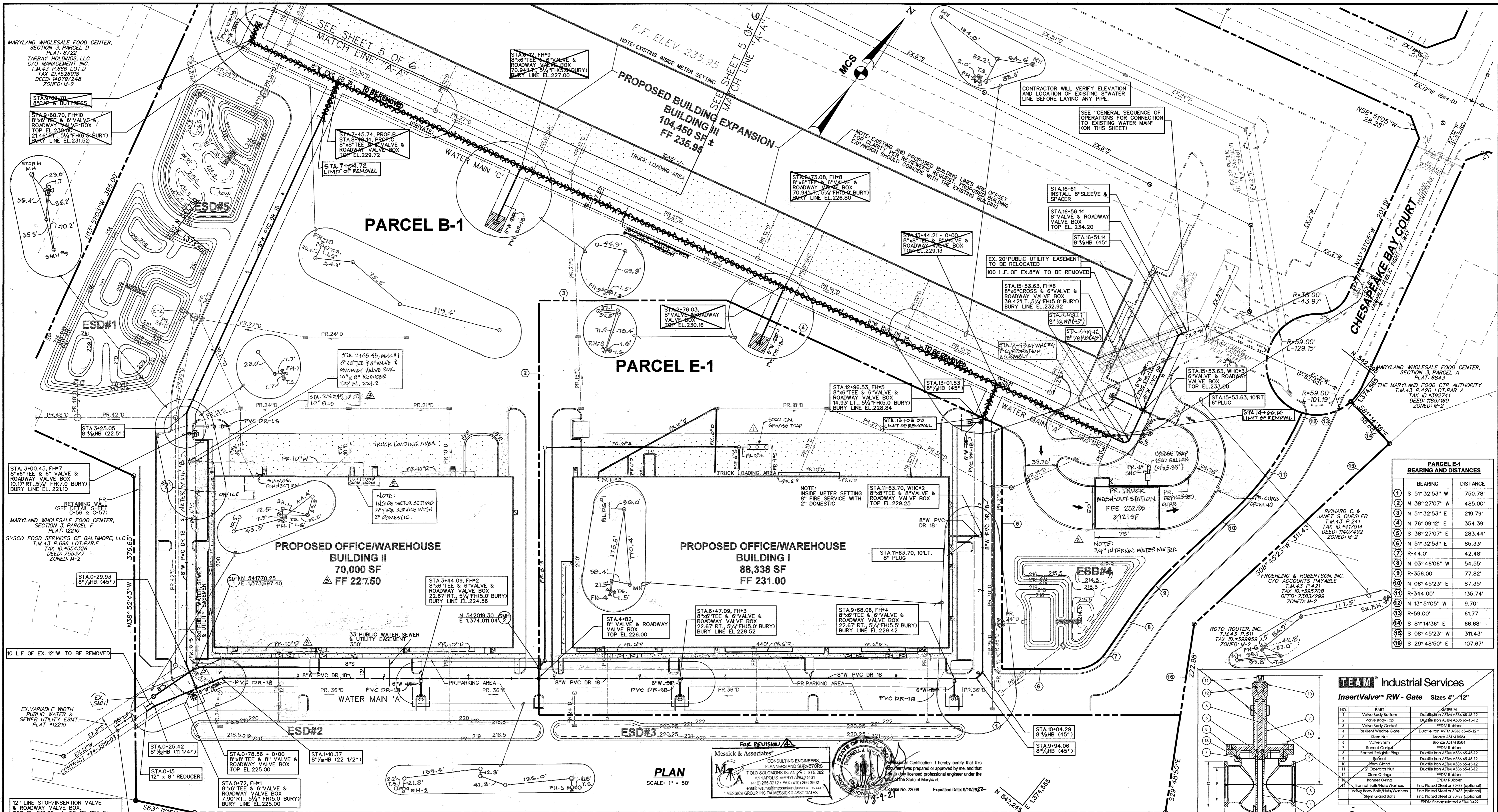
DATE: JULY, 2014

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND

APPROVED: [Signature] DATE: 8/14/14
 CHIEF - BUREAU OF UTILITIES - DATE

APPROVED: [Signature] DATE: 8/14/14
 CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE



PARCEL E-1 BEARING AND DISTANCES

LINE	BEARING	DISTANCE
1	S 51° 32' 53" W	750.78'
2	N 38° 27' 07" W	485.00'
3	N 51° 32' 53" E	219.79'
4	N 76° 09' 12" E	354.39'
5	S 38° 27' 07" E	283.44'
6	N 51° 32' 53" E	85.33'
7	R=44.0'	42.48'
8	N 03° 46' 06" W	54.55'
9	R=356.00'	77.82'
10	N 08° 45' 23" E	87.35'
11	R=344.00'	135.74'
12	N 13° 51' 05" W	9.70'
13	R=59.00'	61.77'
14	S 81° 14' 36" E	66.68'
15	S 08° 45' 23" W	311.43'
16	S 29° 48' 50" E	107.67'

PLAN
SCALE: 1" = 50'

Messick & Associates
CONSULTING ENGINEERS
PLANNERS AND SURVEYORS
7010 SULLY ROAD, SUITE 202
BETHESDA, MARYLAND 20814
(410) 268-3212 • FAX (410) 268-3902
www.messickgroup.com

Professional Certification: I hereby certify that this document was prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
Messick Group, Inc. T.MESSICK & ASSOCIATES
License No. 22068 Expiration Date: 9/10/2022

TEAM Industrial Services
Insert Valve™ RW - Gate Sizes 4" - 12"

NO.	PART	MATERIAL
1	Valve Body Bottom	Ductile Iron ASTM A536 65-45-12
2	Valve Body Top	Ductile Iron ASTM A536 65-45-12
3	Valve Body Gasket	EPDM Rubber
4	Position Wedge Gade	Ductile Iron ASTM A536 65-45-12
5	Stem Nut	Brass ASTM B584
6	Valve Stem	Brass ASTM B584
7	EPDM Gasket	EPDM Rubber
8	Bonnet Flange Ring	Ductile Iron ASTM A536 65-45-12
9	EPDM Gasket	EPDM Rubber
10	Operator Nut	Ductile Iron ASTM A536 65-45-12
11	Operator Nut	Ductile Iron ASTM A536 65-45-12
12	Stem C-Clamp	EPDM Rubber
13	Stem Gland	EPDM Rubber
14	Bonnet Seal/Washers	Inc Plated Steel or 304SS (optional)
15	Valve Body Seal/Washers	Inc Plated Steel or 304SS (optional)
16	Stem Gland Bolts	Inc Plated Steel or 304SS (optional)
17	Stem Gland Bolts	EPDM Incorporated ASTM A429

AS-BUILT
12/3/14

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. 21245, EXPIRATION DATE: JUNE 9, 2016.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

M. C. Wally 8/14/14
CHIEF - BUREAU OF UTILITIES - DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

Chad Edwards 8-12-14
CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE

BLDG
Baltimore Land Design Group Inc.
Consulting Engineers
230 SCHILLING CIRCLE, SUITE 364 • HUNT VALLEY, MARYLAND 21081
PHONE: 410.229.9851 • FAX: 410.229.9865 • BLDG@BLDGINC.COM



DESIGNED BY:	K.U.	RELOCATED PRIVATE SEWER LINE (INCLUDING GREASE TRAP) AND MADE SOME MINOR ADJUSTMENTS TO PRIVATE RAIN DRAINS FOR BUILDING I.	2/23/14
DRAWN BY:	K.U.	REPLACED BLDG I WITH A TRUCK WASH OUT FACILITY. ADDED WASH AND SHC ALONG WITH A GREASE TRAP. ALL REVISIONS ARE BASED ON CHANGES PROVIDED BY MRA, INC. <td>8/10/15</td>	8/10/15
CHECKED BY:	BLDG	CHANGE LOCATION BUILDING II W/C 9 SHC	11/2/14
DATE:	MRA	SHOWING WATER MAINS TO BE REMOVED DUE TO BUILDING III EXPANSION.	8/9/14
BY NO.	BY NO.	REVISION	DATE

NOTE:
SEE SHEETS 3 AND 4 FOR PROPOSED WATER MAIN PER REDLINE 4

600 SCALE TAX MAP NO. 43 GRID 21

MARYLAND FOOD CENTER AUTHORITY
PARCEL B-1 & E-1
CONTRACT NO. 24-4861-D

HOWARD COUNTY, MARYLAND
SCALE: 1" = 50'

DATE: JULY, 2014

SCALE AS SHOWN
SHEET 2 OF 6

OCEANO AVENUE
HOWARD COUNTY PUBLIC ROAD
80' PUBLIC RIGHT-OF-WAY

CHESAPEAKE BAY COURT
HOWARD COUNTY PUBLIC ROAD
75' PUBLIC RIGHT-OF-WAY

EX. 1-STORY BUILDING
F.F. ELEV. 235.95

PARCEL B-1

BUILDING III ADDITION
(170'W X 1,045'L)

PARCEL E-1
EXISTING OFFICE WAREHOUSE
BUILDING I
88,338 SF
FF 231.00

ESD#5

ESD#1

ESD#4

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 VOLUME IV OF THE SPECIFICATIONS.

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

OWNER
MARYLAND FOOD CENTER AUTHORITY
7801 OCEANO AVE.
JESSUP, MD 20794
PHONE: (410) 379-5760

DEVELOPER
2066 LORD BALTIMORE DRIVE
BALTIMORE, MARYLAND 21244
PHONE: (410) 298-2600

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND.
LICENSE NO. 22098 EXPIRATION DATE: SEPTEMBER 10, 2022

MESSICK & ASSOCIATES
CONSULTING ENGINEERS,
PLANNERS AND SURVEYORS
7 OLD SOLOMONS ISLAND ROAD, SUITE 202
ANNAPOLIS, MARYLAND 21401
(410) 266-3212 * FAX (410) 266-3502 email: engr@merrickandassociates.com



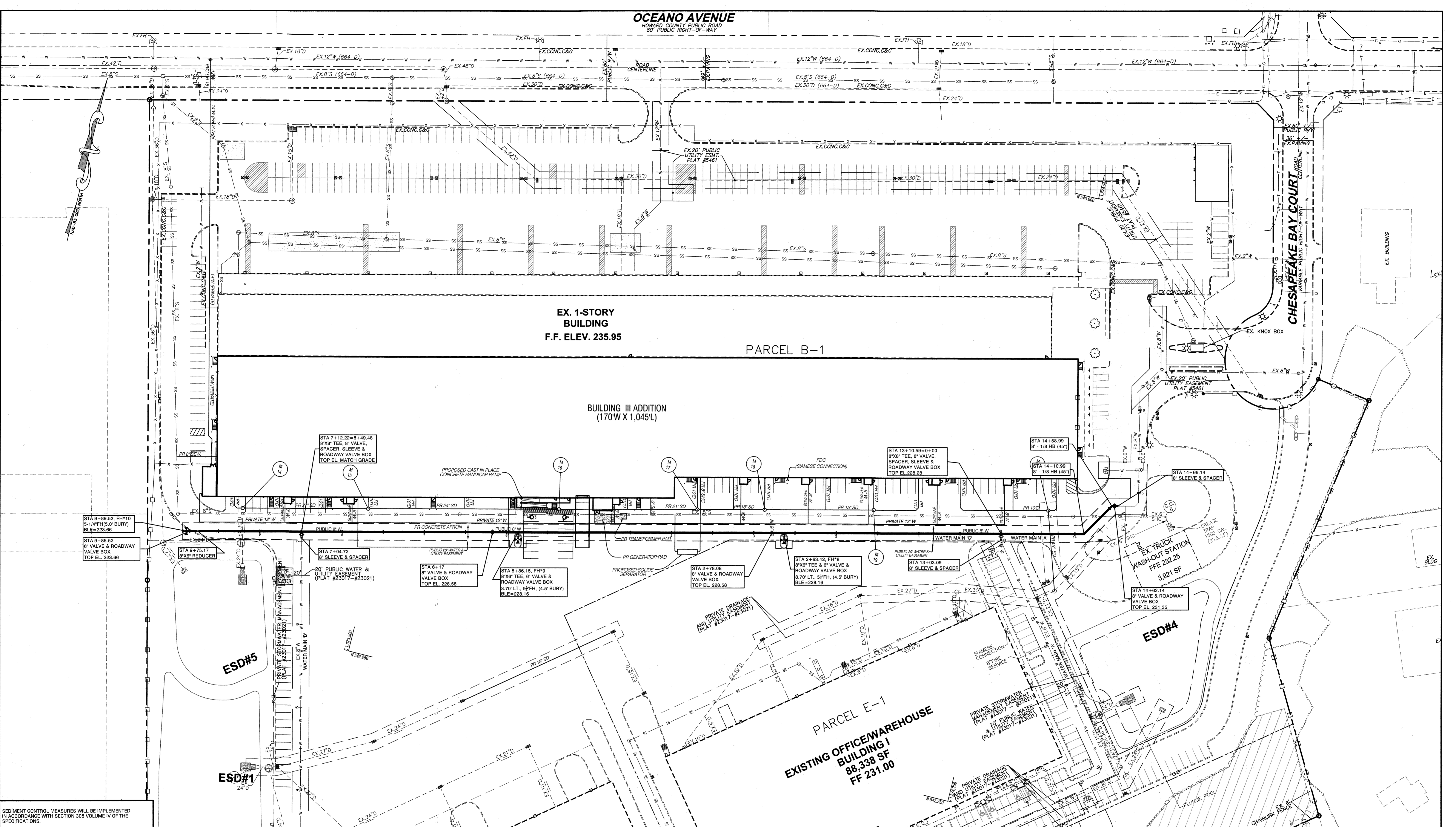
DESIGN BY:	M&A	ADD NEW SHEET - PROPOSED 8" WATER REVISION DUE TO BUILDING EXPANSION	8/9/21
DRAWN BY:			
CHECKED BY:			
DATE	BY	NO.	REVISION

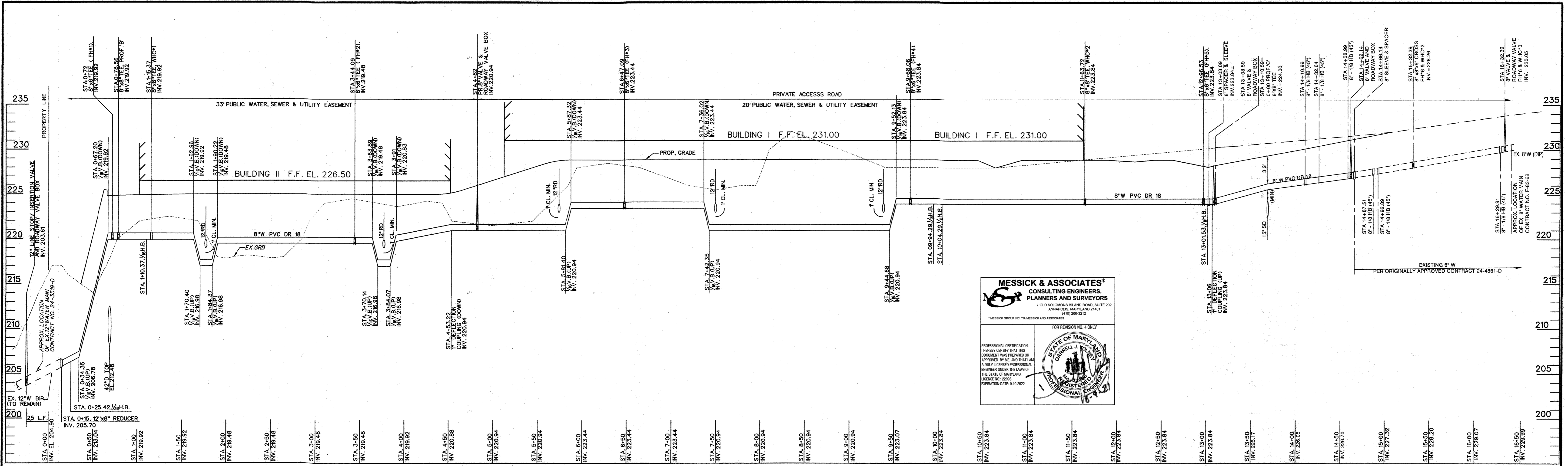
PUBLIC WATER & SEWER CONSTRUCTION PLANS
WATER PLAN
600 SCALE TAX MAP NO. 43 GRID 21

MARYLAND FOOD CENTER AUTHORITY
PARCEL B-1 & E-1
CONTRACT NO. 24-4861-D
HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN
SHEET 3 OF 6
DATE: JUNE 2021

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
194/21
CHIEF - BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
12.14.21
CHIEF - DEVELOPMENT ENGINEERING DIVISION DATE



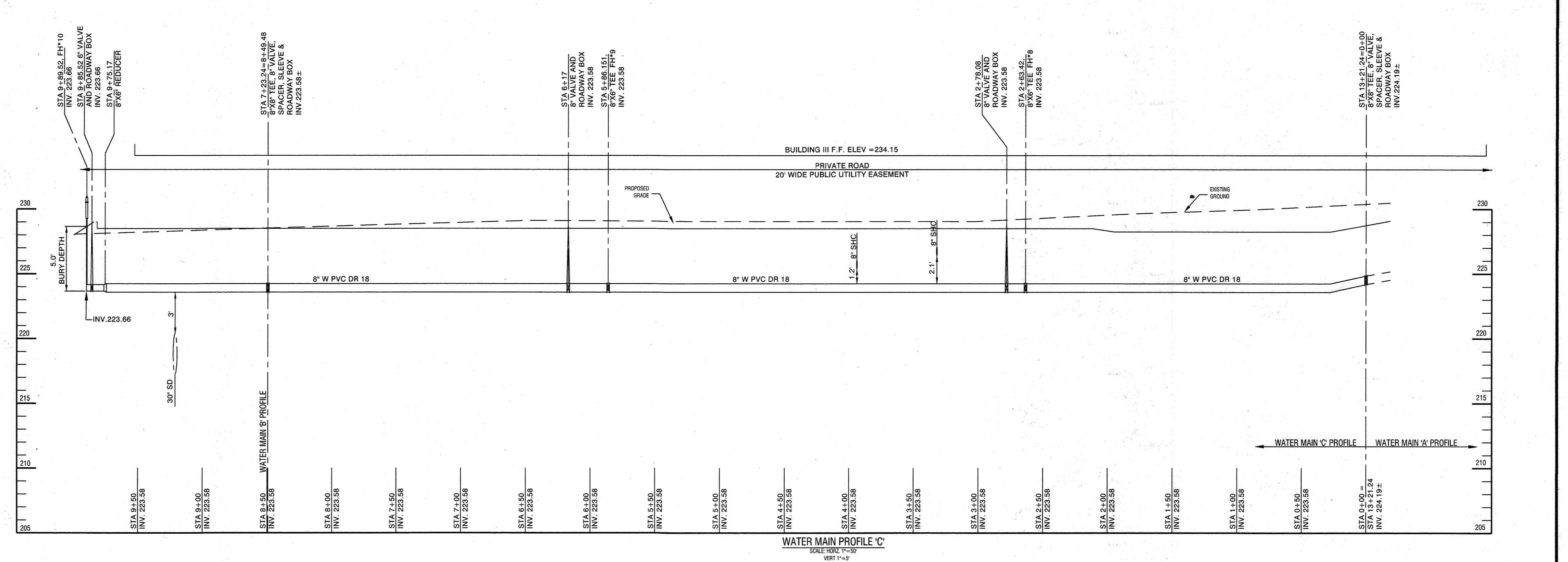


WATER MAIN FITTINGS CHART		
FITTINGS	STATIONS	COORDINATES
12" x 8" REDUCER	STA. 0+15	N 541,693.73 E 1,373,683.59
8" x 1/2" HORZ. BEND	STA. 0+25.42	N 541,703.65 E 1,373,686.77
8" x 1/2" VERT. BEND	STA. 0+34.35	N 541,711.46 E 1,373,691.10
8" x 1/2" VERT. BEND	STA. 0+60	N 541,733.97 E 1,373,703.61
8" x 6" TEE	STA. 0+72	N 541,744.46 E 1,373,709.44
8" x 8" TEE	STA. 0+78.56	N 541,750.20 E 1,373,712.63
8" x 1/2" HORZ. BEND	STA. 1+10.37	N 541,778.00 E 1,373,731.98
8" x 8" TEE	STA. 1+15.37	N 541,781.11 E 1,373,731.98
8" x 1/2" VERT. BEND	STA. 1+62.96	N 541,810.71 E 1,373,769.25
8" x 1/2" VERT. BEND	STA. 1+70.40	N 541,815.11 E 1,373,774.80
8" x 1/2" VERT. BEND	STA. 1+84.37	N 541,812.36 E 1,373,771.33
8" x 1/2" VERT. BEND	STA. 1+90.22	N 541,816.00 E 1,373,775.91
8" x 6" TEE	STA. 3+44.09	N 541,923.33 E 1,373,911.09
8" x 1/2" VERT. BEND	STA. 3+63.89	N 541,935.65 E 1,373,926.60
8" x 1/2" VERT. BEND	STA. 3+70.14	N 541,939.53 E 1,373,931.49
8" x 1/2" VERT. BEND	STA. 3+84.07	N 541,948.20 E 1,373,942.40
8" x 1/2" VERT. BEND	STA. 3+91	N 541,952.51 E 1,373,947.83
8" x 1/2" DEFLECTION COUPLING	STA. 4+53.22	N 541,991.20 E 1,373,996.55
8" x 1/2" VERT. BEND	STA. 5+81.40	N 542,070.91 E 1,374,096.94
8" x 1/2" VERT. BEND	STA. 5+87.32	N 542,074.59 E 1,374,101.57
8" x 8" TEE	STA. 6+47.09	N 542,111.76 E 1,374,148.38
8" x 1/2" VERT. BEND	STA. 7+36.02	N 542,167.06 E 1,374,218.02
8" x 1/2" VERT. BEND	STA. 7+42.35	N 542,171.82 E 1,374,224.01
8" x 1/2" VERT. BEND	STA. 9+44.68	N 542,296.82 E 1,374,381.43
8" x 1/2" VERT. BEND	STA. 9+52.13	N 542,301.45 E 1,374,387.27
8" x 6" TEE	STA. 9+68.06	N 542,311.35 E 1,374,399.74
8" x 1/2" HORZ. BEND	STA. 9+94.29	N 542,327.53 E 1,374,420.11
8" x 1/2" HORZ. BEND	STA. 10+04.29	N 542,337.69 E 1,374,421.28
8" x 8" TEE	STA. 11+63.72	N 542,462.54 E 1,374,322.14
8" x 6" TEE	STA. 12+96.53	N 542,566.55 E 1,374,239.55
8" x 1/2" HORZ. BEND	STA. 13+01.53	N 542,570.46 E 1,374,236.44
8" x 1/2" DEFLECTION COUPLING	STA. 13+06	N 542,574.76 E 1,374,235.21
8" x 8" TEE	STA. 13+10.59	N 542,579.25 E 1,374,234.22
8" x 1/2" HORZ. BEND	STA. 14+87.51	N 542,650.75 E 1,374,383.91
8" x 1/2" HORZ. BEND	STA. 14+92.89	N 542,655.84 E 1,374,386.99
8" x 6" CROSS	STA. 15+27.41	N 542,694.28 E 1,374,377.89
8" x 1/2" HORZ. BEND	STA. 16+24.93	N 542,789.18 E 1,374,355.43
8" SLEEVE & SPACER	STA. 16+34.79	N 542,797.48 E 1,374,360.42

WATER MAIN FITTINGS CHART		
FITTINGS	STATIONS	COORDINATES
8" x 1/2" HORZ. BEND	STA. 0+29.93	N 541,784.73 E 1,373,686.46
8" x 1/2" DEFLECTION COUPLING	STA. 1+20.06	N 541,784.03 E 1,373,735.66
8" x 6" TEE	STA. 3+00.45	N 541,976.58 E 1,373,518.23
8" x 1/2" VERT. BEND	STA. 3+25.05	N 541,911.50 E 1,373,896.18
8" x 1/2" DEFLECTION COUPLING	STA. 4+43.03	N 541,995.84 E 1,373,502.94

WATER MAIN FITTING CHART		
FITTING	STATIONS	COORDINATES
8" x 8" TEE	STA. 0+00	N542,579.25 E1,374,234.22
8" x 6" TEE	STA. 2+63.42	N542,516.20 E1,373,978.45
8" VALVE	STA. 2+78.08	N542,512.69 E1,373,964.21
8" x 6" TEE	STA. 5+86.15	N542,438.97 E1,373,665.10
8" VALVE	STA. 6+17	N542,431.58 E1,373,635.14
8" x 8" TEE	STA. 8+49.48	N542,375.94 E1,373,409.42
8" x 6" REDUCER	STA. 9+75.17	N542,345.86 E1,373,287.39
6" VALVE	STA. 9+85.52	N542,343.39 E1,373,277.34
FIRE HYDRANT	STA. 9+89.52	N542,342.43 E1,373,273.45
8" x 1/2" HORZ. BEND	STA. 14+10.99	N542,603.27 E1,374,331.69
8" x 1/2" HORZ. BEND	STA. 14+58.99	N542,644.36 E1,374,356.53
8" VALVE	STA. 14+62.14	N542,645.11 E1,374,359.59
8" SLEEVE	STA. 14+66.14	N542,646.07 E1,374,363.47

WATER MAIN PROFILE 'A'
SCALE: H: 1" = 50'
V: 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. 21245, EXPIRATION DATE: JUNE 9, 2016.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
10-4-21
CHIEF - BUREAU OF UTILITIES - DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
12.14.21
CHIEF - DEVELOPMENT ENGINEERING DIVISION - DATE

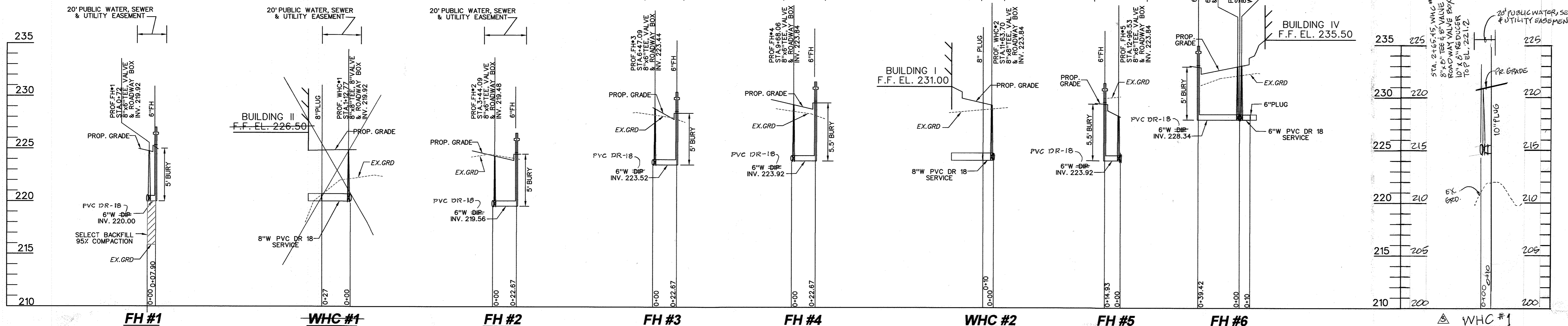
BLDG
Baltimore Land Design Group Inc.
Consulting Engineers
230 SCHILLING CIRCLE, SUITE 364 • HUNT VALLEY, MARYLAND 21031
PHONE: 410.229.9851 • FAX: 410.229.9865 • BLDG@BLDGINC.COM



DESIGNED BY:	M&A	REVISED WATER MAIN PROFILES 'A' AND 'C'. REVISED SHEET NUMBER.	8-09-21
DRAWN BY:			
CHECKED BY:	DG / VZ		
DATE:	03-07-14		
BY	NO.	REVISION	DATE

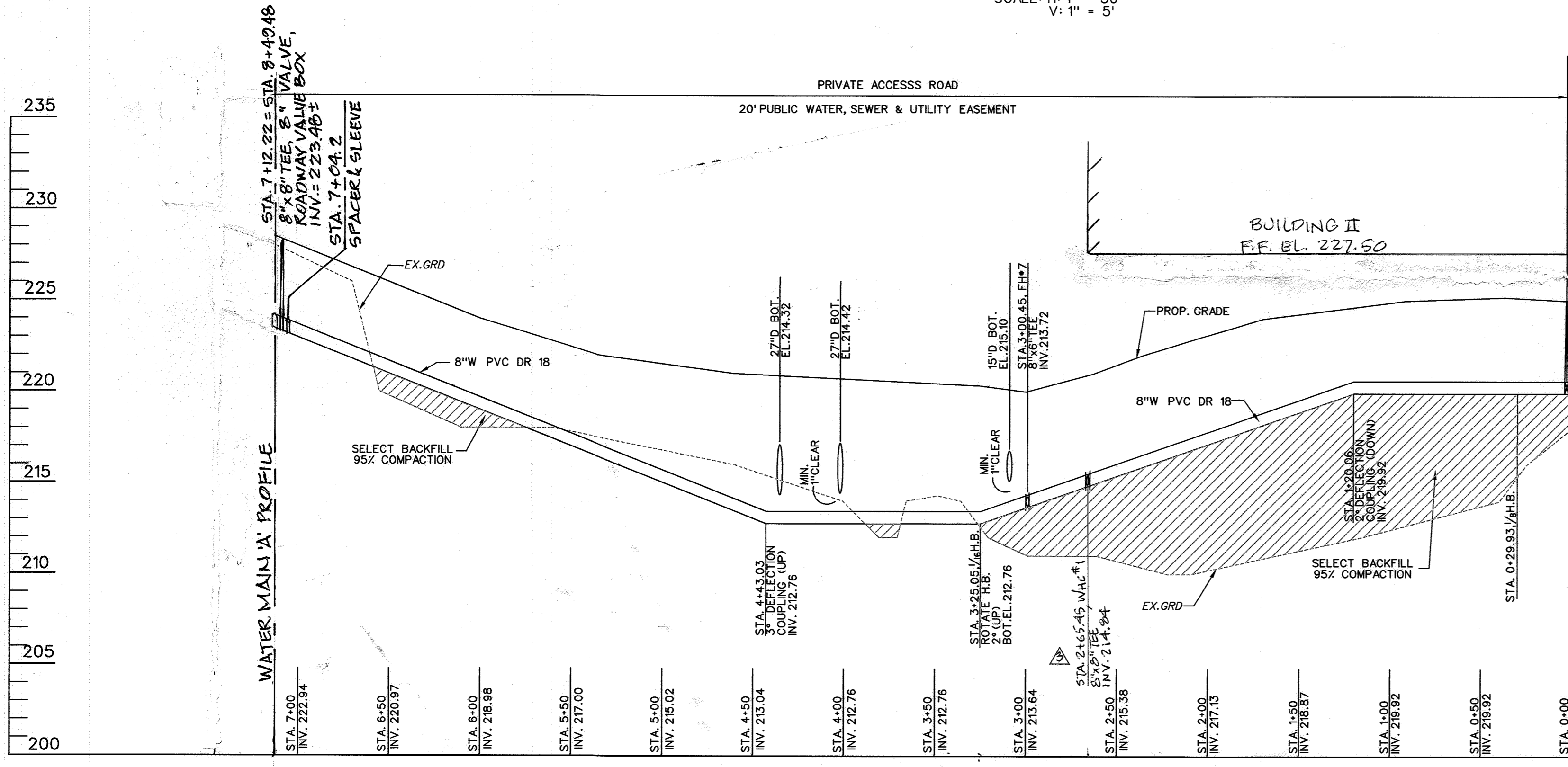
PUBLIC WATER & SEWER CONSTRUCTION PLANS
WATER & SEWER PROFILES
600 SCALE TAX MAP NO. 43 GRID 21

MARYLAND FOOD CENTER AUTHORITY
PARCEL B-1 & E-1
CONTRACT NO. 24-4861-D
HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN
SHEET 4 OF 6
DATE: JULY, 2014

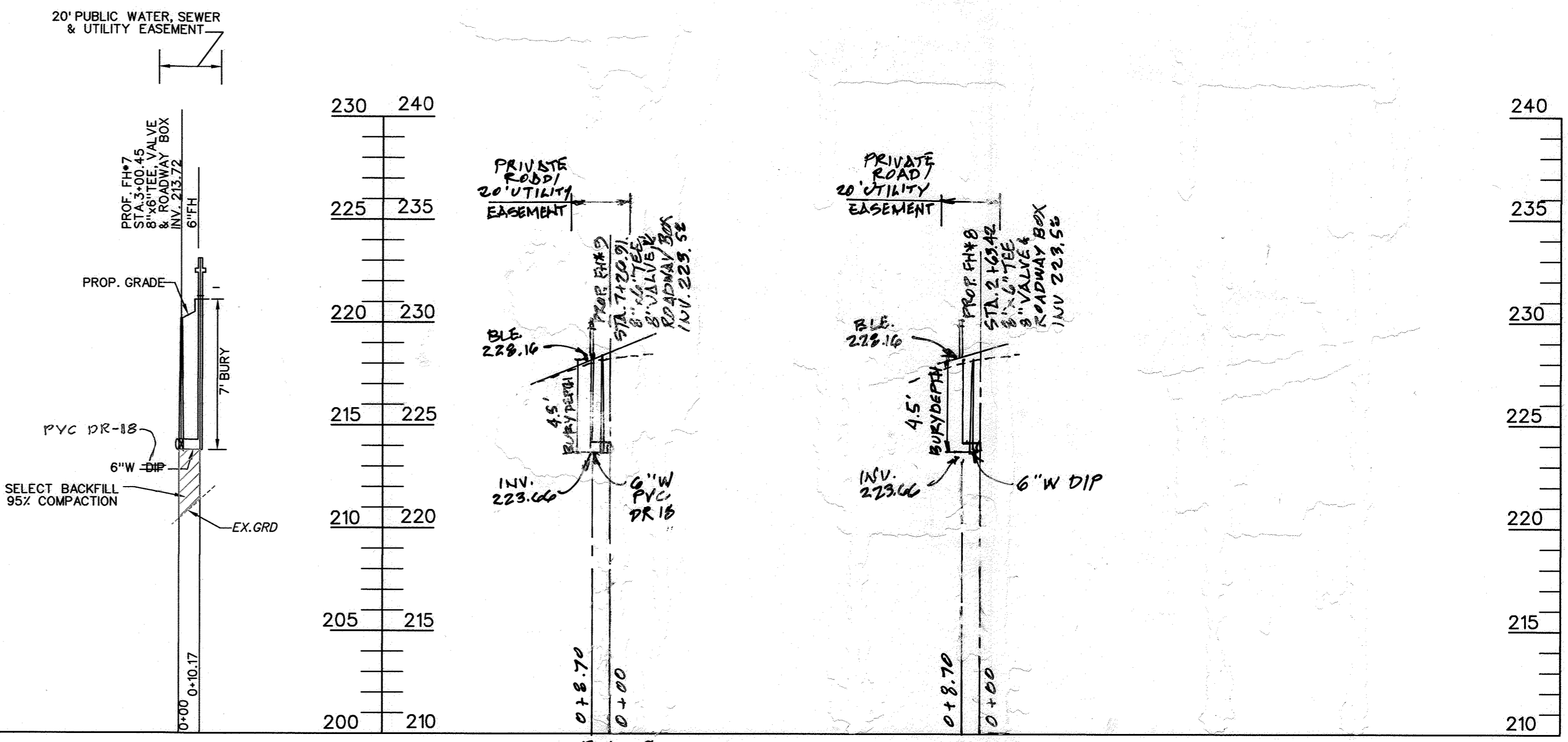


For Revision
Messick & Associates
 CONSULTING ENGINEERS,
 PLANNERS AND SURVEYORS
 7 OLD SOLOMONS ISLAND RD. STE 202
 ANNAPOLIS, MARYLAND 21401
 (410) 266-3212 • FAX: (410) 266-3502
 WWW.MESSICKGROUP.COM
 *MESSICK GROUP INC. IS A MESSICK & ASSOCIATES COMPANY

Professional Certification. I hereby certify that this document was prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 22098 Expiration Date: 9/10/20 2.7.



WATER MAIN PROFILE 'B'
 SCALE: H: 1" = 50'
 V: 1" = 5'



FH #7

FH #9
 SCALE: HORIZ 1" = 50'
 VERT 1" = 5'

FH #8
 SCALE: HORIZ 1" = 50'
 VERT 1" = 5'

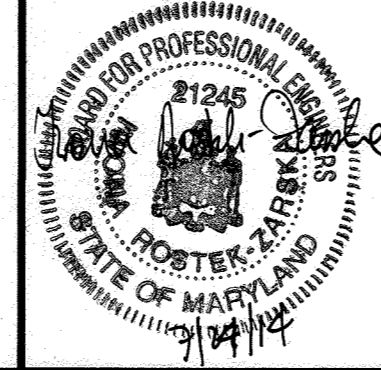
PROFESSIONAL CERTIFICATION

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. 21245, EXPIRATION DATE: JUNE 9, 2020.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 [Signature] 8/14/19
 CHIEF - BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 [Signature] 8-12-14
 CHIEF - DEVELOPMENT ENGINEERING DIVISION

BLDG
 Baltimore Land Design Group Inc.
 Consulting Engineers
 230 SCHILLING CIRCLE, SUITE 364 • HUNT VALLEY, MARYLAND 21031
 PHONE: 410.229.9851 • FAX: 410.229.9865 • BLDG@BLDGINC.COM



DESIGNED BY:	BLDG	CHANGE LOCATION BUILDING II WHC # SHC	7-12-19
DRAWN BY:	MRA	REVISED WATER MAIN PROFILE 'B' AND FIRE HYDRANT #8 & #9 PROFILES AND DELETED FIRE HYDRANT #10 PROFILE. REVISE SHEET NUMBER.	8-2-21
CHECKED BY:			
DATE:	03-07-14		
BY	NO.	REVISION	DATE

PUBLIC WATER & SEWER CONSTRUCTION PLANS
 WATER PROFILES

600 SCALE TAX MAP NO. 43 GRID 21

MARYLAND FOOD CENTER AUTHORITY
 PARCEL B-1 & E-1
 CONTRACT NO. 24-4861-D

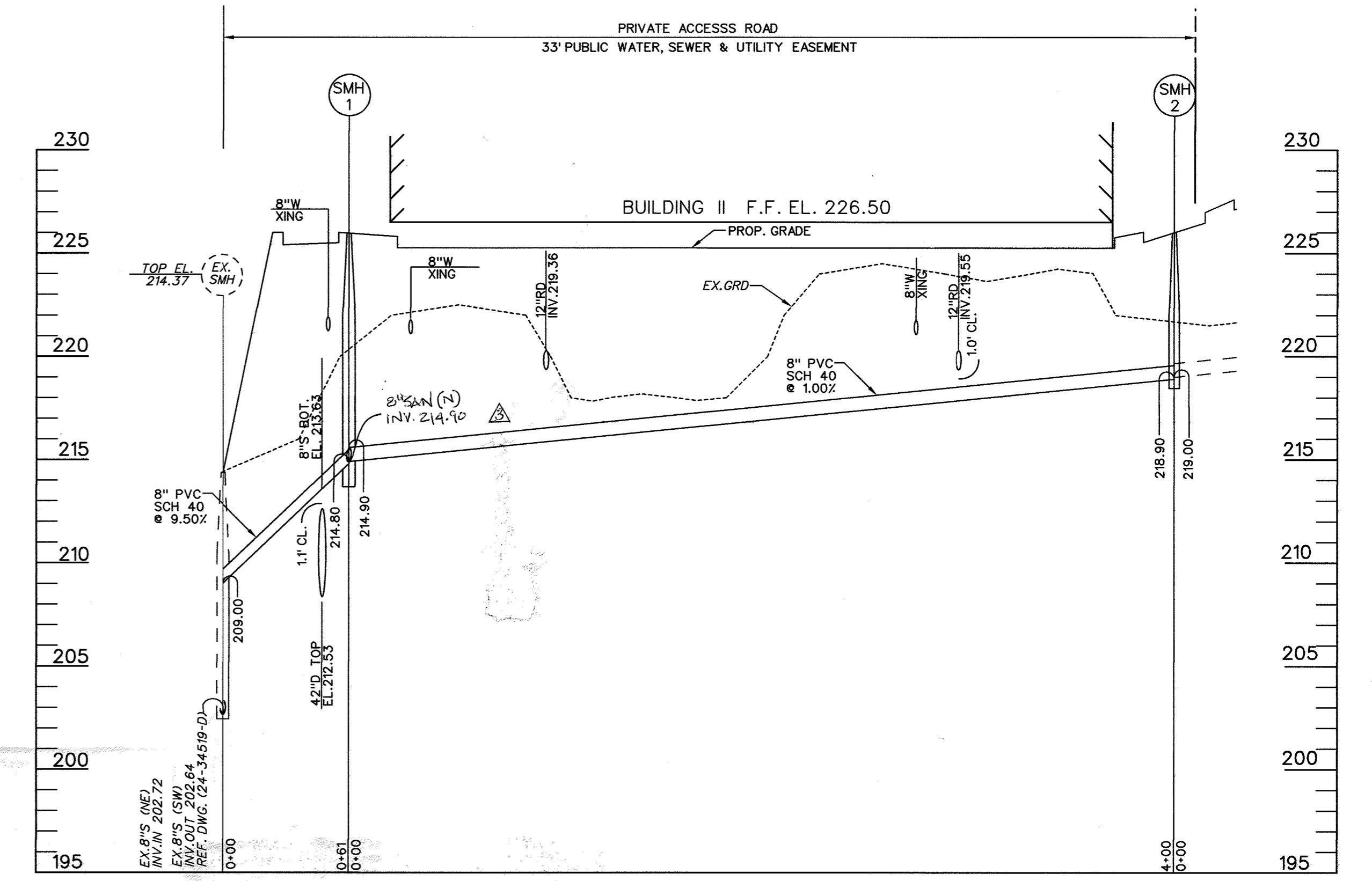
HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN
 SHEET 5 OF 6
 DATE: JULY, 2014

AS-BUILT

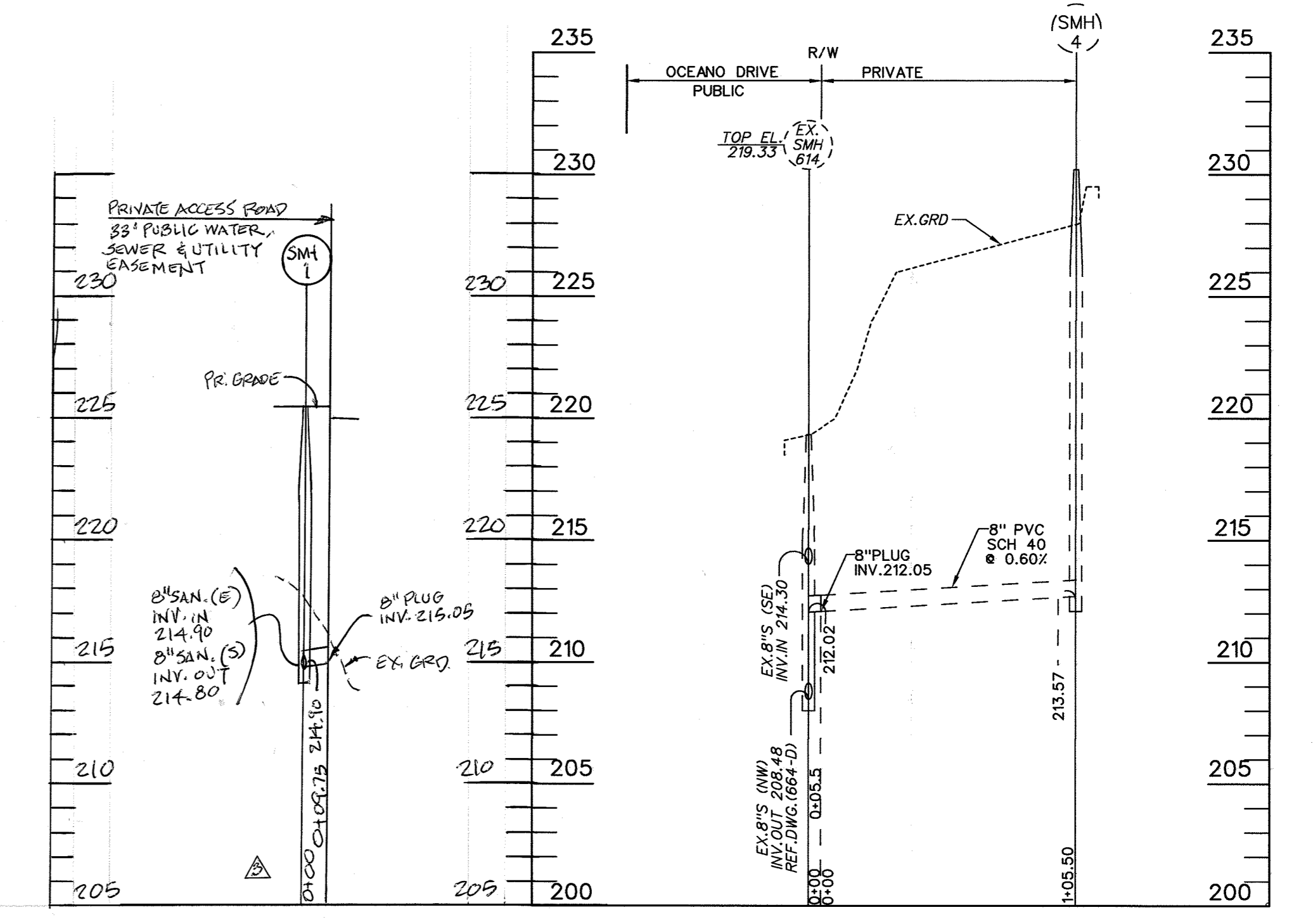
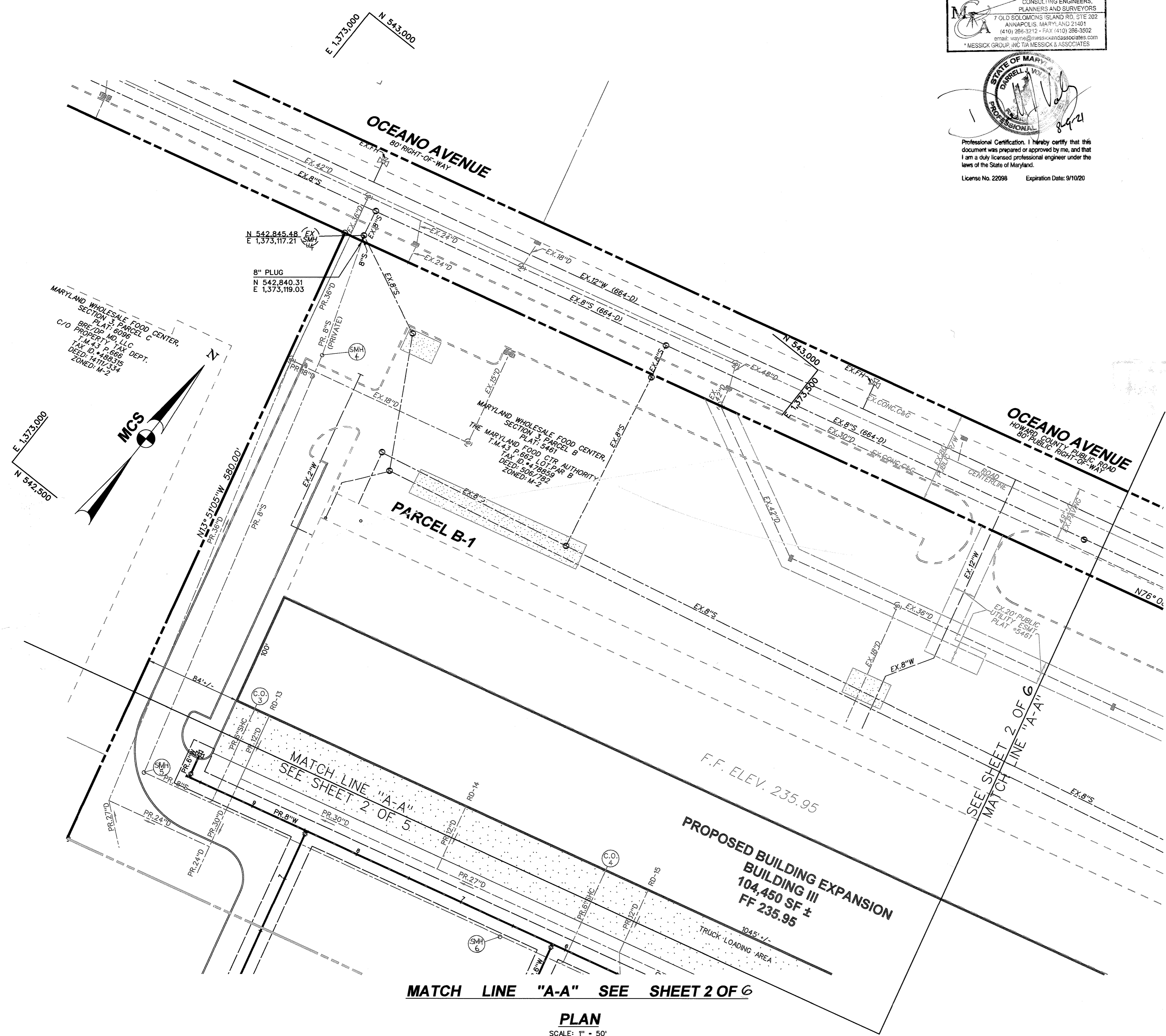
[Signature] 12/3/19

FOR REVIEW
Messick & Associates
 CONSULTING ENGINEERS,
 PLANNERS AND SURVEYORS
 7 OLD GOLDMANS ISLAND RD, STE 202
 ANNAPOLIS, MARYLAND 21401
 (410) 295-3772 FAX: (410) 298-3802
 email: wmesick@messickandassociates.com
 *MESSICK GROUP, INC. TA MESSICK & ASSOCIATES

Professional Certification. I hereby certify that this document was prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 22998 Expiration Date: 9/10/20



SANITARY MANHOLE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
SMH-1	48" DIA. PRECAST	214.90	214.80	224.20	HOWARD CO. STD. DETAIL PLATE G-5.12
SMH-2	48" DIA. PRECAST	219.00	218.90	226.00	HOWARD CO. STD. DETAIL PLATE G-5.12

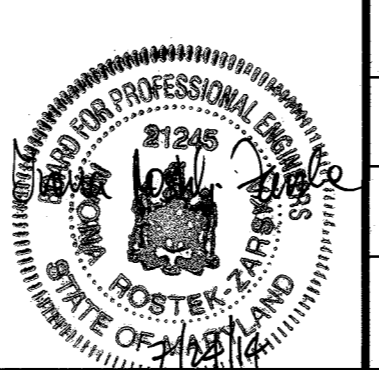


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DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief - Bureau of Utilities - DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 Chief - Development Engineering Division - DATE

BLDG
 Baltimore Land Design Group Inc.
 Consulting Engineers
 230 SCHILLING CIRCLE, SUITE 364 • HUNT VALLEY, MARYLAND 21031
 PHONE: 410.229.9851 • FAX: 410.229.9865 • BLDG@BLDGINC.COM



DESIGNED BY:	DG	DATE:	7-12-19
DRAWN BY:	DG	CHECKED BY:	DG / VZ
DATE:	03-07-14	BY NO.	
REVISION		DATE	

PUBLIC WATER & SEWER CONSTRUCTION PLANS
 SEWER PLAN VIEW & PROFILES
 600 SCALE TAX MAP NO. 43 GRID 21

MARYLAND FOOD CENTER AUTHORITY
 PARCEL B-1 & E-1
 CONTRACT NO. 24-4861-D
 HOWARD COUNTY, MARYLAND
 SCALE: AS SHOWN
 SHEET 6 OF 6
 DATE: JULY, 2014