

PHASE I WATER & SEWER
CONTRACT NO. 14-4803-D

SHEET 4

SHEET 3

PHASE I SEWER ONLY
CONTRACT NO. 14-4803-D

SHEET 5

OLD FREDERICK ROAD PUMP STATION
ADDRESS: 8516 DORSEY SPRING CT.
CONT. NO. 10-4925-D (PROPOSED UPGRADES)
CONT. NO. 10-3500 (ORIGINAL CONSTRUCTION PLANS)

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John C. Robison 4/29/16
HOWARD SCD

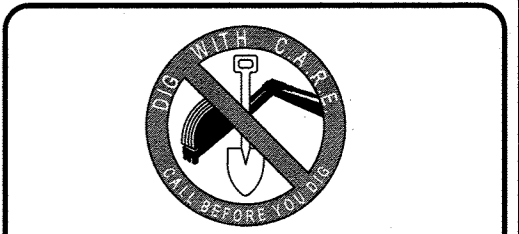
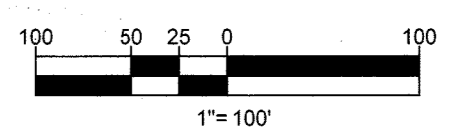
OWNER
ESTATES AT PATAPSCO PARK, LLC
24012 FREDERICK ROAD
CLARKSBURG, MD 20861
CONTACT: MR. DAN SNYDER
PHONE: (301) 674-8509

DEVELOPER
ESTATES AT PATAPSCO PARK, LLC
24012 FREDERICK ROAD
CLARKSBURG, MD 20861
CONTACT: MR. DAN SNYDER
PHONE: (301) 674-8509

PROFESSIONAL CERTIFICATION
I, BRANDON R. ROWE, 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. 49098. EXPIRATION DATE: 7/3/2017

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS AND AS SHOWN ON F-14-124.

TEST PIT NOTE
CONTRACTOR TO TEST PIT FOR EXACT LOCATION OF EXISTING UTILITY AND SUBMIT ANY DISCREPANCIES TO BOHLER ENGINEERING IN WRITING.

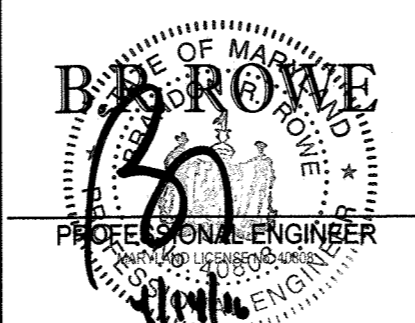


THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, AND DELAWARE CALL: 811 (VA 1-800-245-4848) (PA 1-800-242-7175) (DC 1-800-257-7777) (VA 1-800-552-7001) (MD 1-800-267-7777) (DE 1-800-282-8555)

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
Steve C. Cern 4/29/16
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
Paul Edinger 5.12.16
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

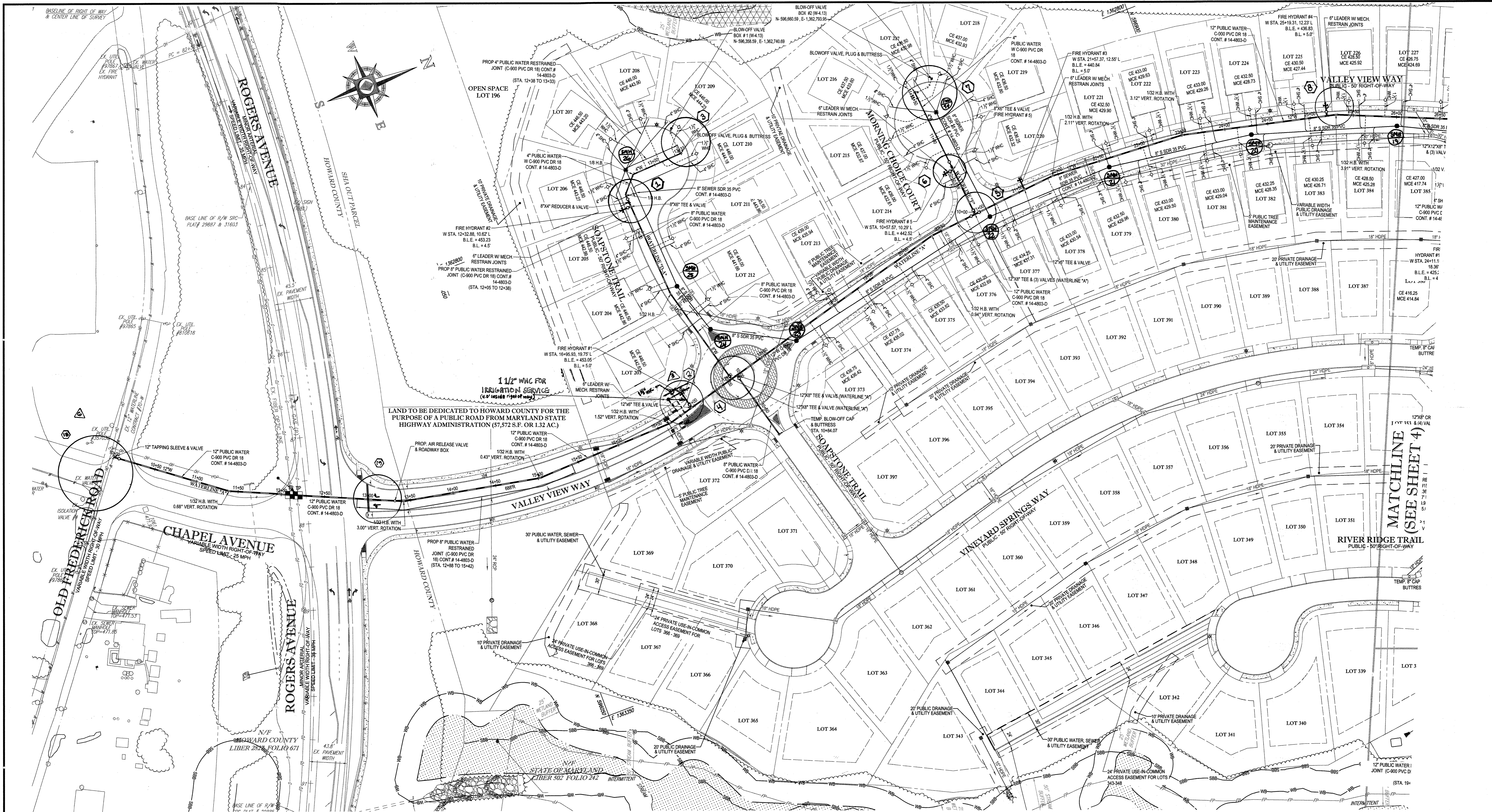
BOHLER ENGINEERING
901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
www.BohlerEngineering.com



DES. J.A.				
DRN. R.L.B.				
CHK. B.R.R.	2	4/13/16	REDLINE REVISION - PHASED PLAN	BRR
	1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT	BRR
DATE 2/12/16	REV.	DATE	DESCRIPTION	BY

PHASE I
COMPREHENSIVE PLAN VIEW
PARCEL NO. N/A
600' SCALE MAP NO. 17 BLOCK NO. --

ESTATES AT PATAPSCO PARK
ROGERS AVENUE
BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
BUILDABLE LOTS 321 - 337 (SAN. ONLY)
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO.: 14-4803-D
SCALE 1" = 100'
SHEET 2 OF 16



SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS AND AS SHOWN ON F-14-124.

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

John R. Rotta 4/29/16
 HOWARD SCD

OWNER
 ESTATES AT PATAPSCO PARK, LLC
 24012 FREDERICK ROAD
 CLARKSBURG, MD 20861
 CONTACT: MR. DAN SNYDER
 PHONE: (301) 674-8509

DEVELOPER
 ESTATES AT PATAPSCO PARK, LLC
 24012 FREDERICK ROAD
 CLARKSBURG, MD 20861
 CONTACT: MR. DAN SNYDER
 PHONE: (301) 674-8509

PROFESSIONAL CERTIFICATION
 I, BRANDON R. ROWE, 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. 40808, EXPIRATION DATE: 7/3/2017

Brandon R. Rowe 10/16/17
 FOR REVISION 5 ONLY

TEST PIT NOTE
 CONTRACTOR TO TEST PIT FOR EXACT LOCATION OF EXISTING UTILITY AND SUBMIT ANY DISCREPANCIES TO BOHLER ENGINEERING IN WRITING.

FOR REVISION 3 ONLY

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

Steve C. Coen 4/25/16
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND

Chad Edelman 5-12-16
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BOHLER ENGINEERING
 901 DULANEY VALLEY ROAD, SUITE 801
 TOWSON, MARYLAND 21204
 Phone: (410) 821-7900
 Fax: (410) 821-7987
 www.BohlerEngineering.com

B. R. ROWE
 PROFESSIONAL ENGINEER
 LICENSE NO. 40808, EXPIRATION DATE: 7/3/2017

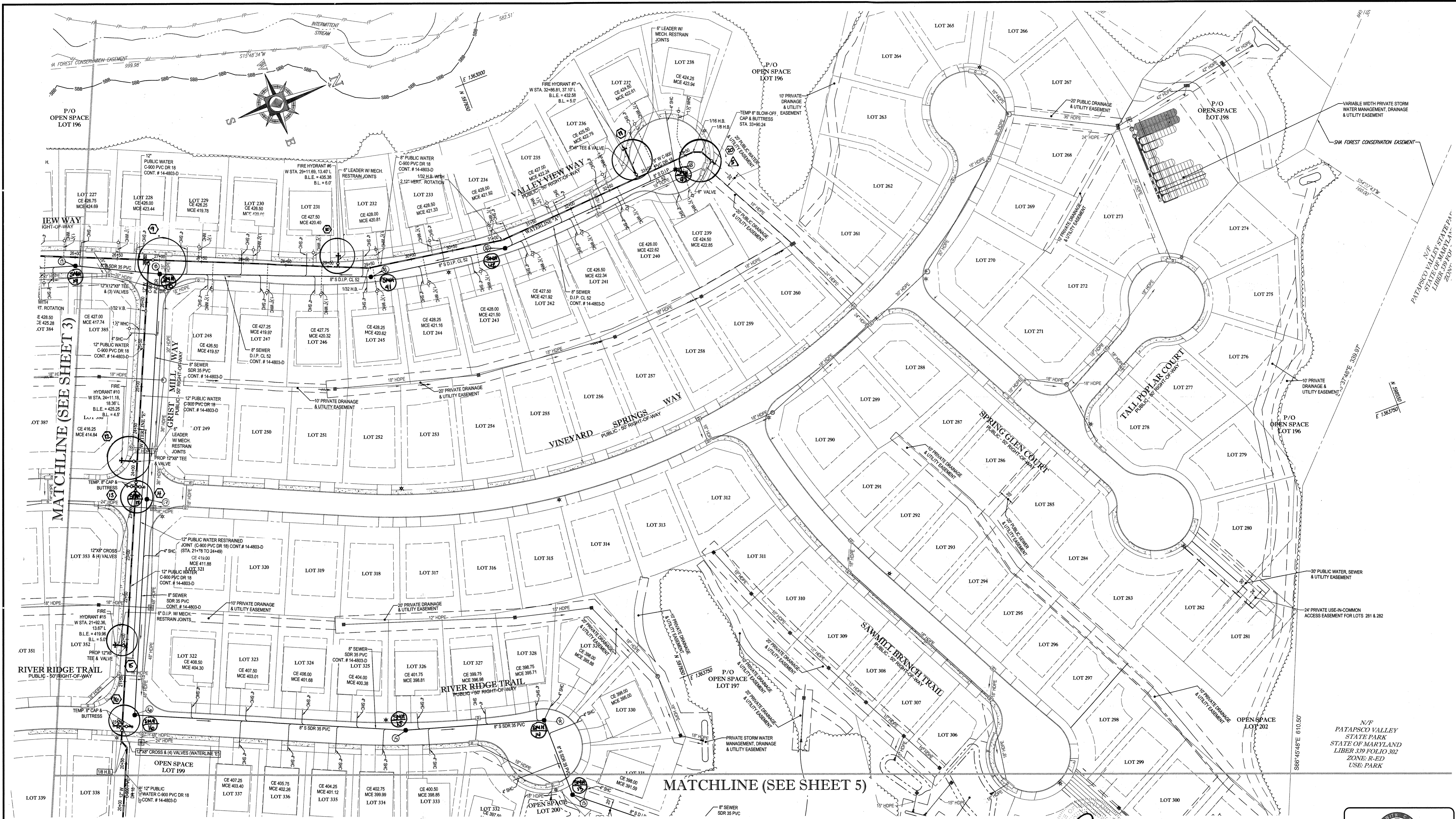
DES. J.A.	REV.	DATE	DESCRIPTION	BY
6	12/7/21	AS BUILT		WRA
5	10/12/17	Revised to add Manhole labels		CM5
4	7/14/17	As-builts		KCI
3	6/22/17	REVISED TO ADD IRRIGATION SERVICE LINE		CM5
2	4/13/16	REDLINE REVISION - PHASED PLAN		BRR
1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT		BRR

PHASE I PUBLIC WATER AND SEWER PLAN

PARCEL NO. N/A
 600' SCALE MAP NO. 17 BLOCK NO. --

ESTATES AT PATAPSCO PARK
 ROGERS AVENUE
 BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
 BUILDABLE LOTS 321 - 337 (SAN ONLY)
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO.: 14-4803-D

SCALE 1" = 50'
 SHEET 3 OF 16



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

John R. Blitzer 4/29/16
HOWARD SCD

SEDMIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS AND AS SHOWN ON F-14-124.

OWNER
ESTATES AT PATAPSCO PARK, LLC
24012 FREDERICK ROAD
CLARKSBURG, MD 20861
CONTACT: MR. DAN SNYDER
PHONE: (301) 674-8509

DEVELOPER
ESTATES AT PATAPSCO PARK, LLC
24012 FREDERICK ROAD
CLARKSBURG, MD 20861
CONTACT: MR. DAN SNYDER
PHONE: (301) 674-8509

PROFESSIONAL CERTIFICATION
I, BRANDON R. ROWE, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 40808, EXPIRATION DATE: 7/3/2017

TEST PIT NOTE
CONTRACTOR TO TEST PIT FOR EXACT LOCATION OF EXISTING UTILITY AND SUBMIT ANY DISCREPANCIES TO BOHLER ENGINEERING IN WRITING.

BR 10/10/17
FOR REVISION 4 ONLY

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(WV 1-800-245-4848) (PA 1-800-242-1778) (DC 1-800-257-7777) (VA 1-800-252-7701) (MD 1-800-287-8509)

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
Chris Corman 4/29/16
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
Chad Anderson 5.12.16
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BOHLER ENGINEERING
901 DULANEY VALLEY ROAD, SUITE 801 TOWSON, MARYLAND 21204
Phone: (410) 821-7500 Fax: (410) 821-7987
www.BohlerEngineering.com

BRANDON R. ROWE
PROFESSIONAL ENGINEER
STATE OF MARYLAND
LICENSE NO. 40808

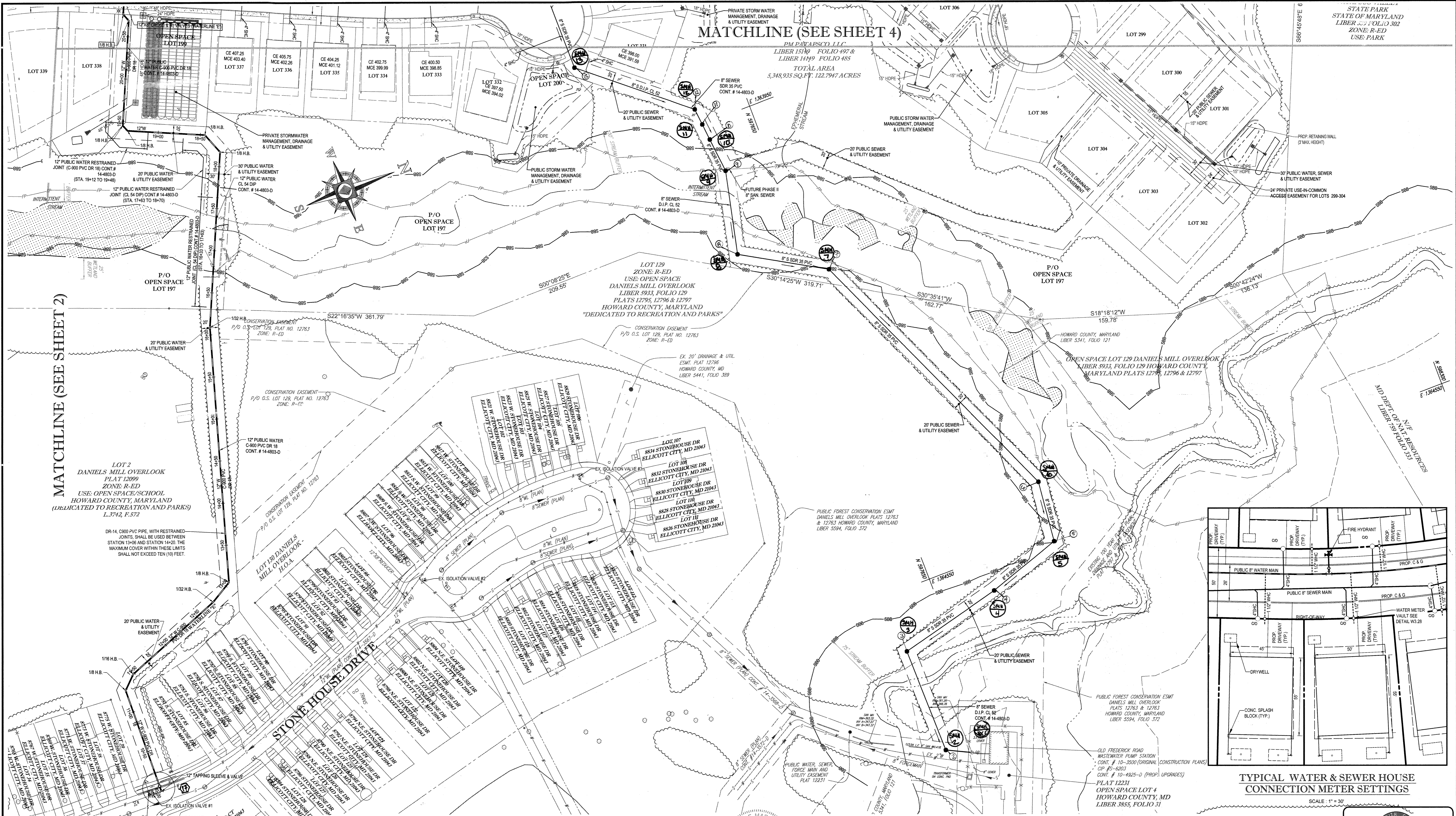
REV.	DATE	DESCRIPTION	BY
5	12/7/21	AS BUILT	WRA
4	10/12/17	Revised to add manhole labels	CAE
3	1-11-17	As-Built	KCI
2	4/13/16	REDLINE REVISION - PHASED PLAN	BRR
1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT	BRR

DES. J.A. DRN. R.L.B. CHK. B.R.R. DATE: 2/12/16

PHASE I PUBLIC WATER AND SEWER PLAN
PARCEL NO. N/A
600' SCALE MAP NO. 17 BLOCK NO. --

ESTATES AT PATAPSCO PARK
ROGERS AVENUE
BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
BUILDABLE LOTS 321 - 337 (SAN. ONLY)
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO.: 14-4803-D

SCALE: 1" = 50'
SHEET: 4 OF 16



MATCHLINE (SEE SHEET 2)

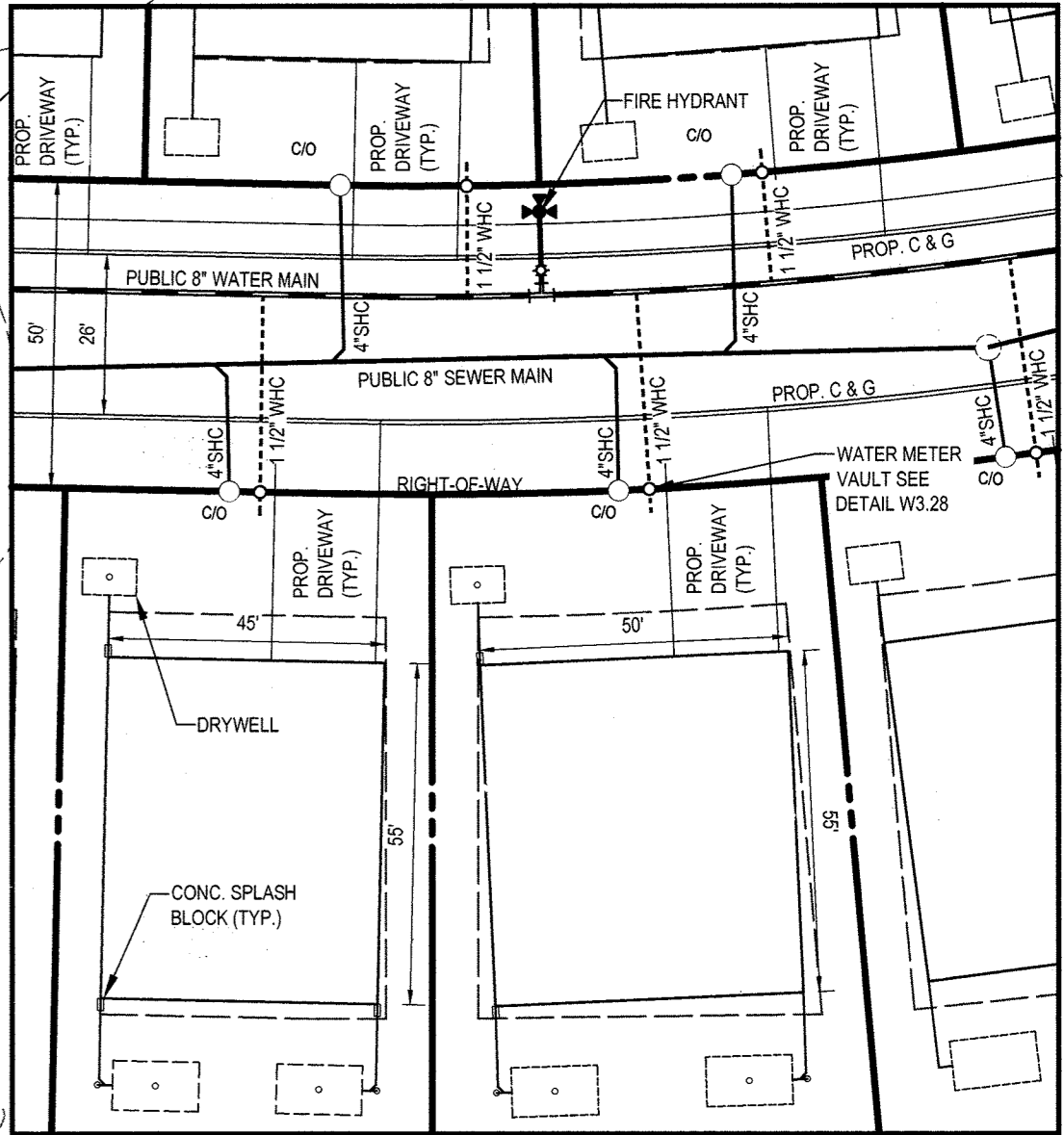
MATCHLINE (SEE SHEET 4)

STATE PARK
STATE OF MARYLAND
LIBER 227 FOLIO 302
ZONE: R-ED
USE: PARK

LOT 2 DANIELS MILL OVERLOOK
PLAT 12099
ZONE: R-ED
USE: OPEN SPACE/SCHOOL
HOWARD COUNTY, MARYLAND
(DEDICATED TO RECREATION AND PARKS)
L.3742, F.572

LOT 129 ZONE: R-ED
USE: OPEN SPACE
DANIELS MILL OVERLOOK
LIBER 5933, FOLIO 129
PLATS 12795, 12796 & 12797
HOWARD COUNTY, MARYLAND
"DEDICATED TO RECREATION AND PARKS"

P/O OPEN SPACE LOT 197



TYPICAL WATER & SEWER HOUSE CONNECTION METER SETTINGS

SCALE: 1" = 30'

OWNER
ESTATES AT PATAPSCO PARK, LLC
24012 FREDERICK ROAD
CLARKSBURG, MD 20881
CONTACT: MR. DAN SNYDER
PHONE: (301) 674-8509

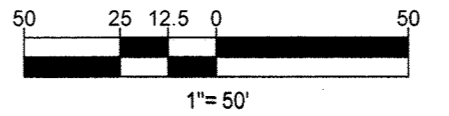
DEVELOPER
ESTATES AT PATAPSCO PARK, LLC
24012 FREDERICK ROAD
CLARKSBURG, MD 20881
CONTACT: MR. DAN SNYDER
PHONE: (301) 674-8509

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 308 OF THE SPECIFICATIONS AND AS SHOWN ON F-14-124

PROFESSIONAL CERTIFICATION
I, BRANDON R. BOHLER, 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. 40888, EXPIRATION DATE: 7/30/21



TEST PIT NOTE
CONTRACTOR TO TEST PIT FOR EXACT LOCATION OF EXISTING UTILITY AND SUBMIT ANY DISCREPANCIES TO BOHLER ENGINEERING IN WRITING.



DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
CHIEF, BUREAU OF UTILITIES
DATE: 5-12-16

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 5-12-16

BOHLER ENGINEERING
901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21204
Phone: (410) 821-7900
Fax: (410) 821-7987
www.BohlerEngineering.com

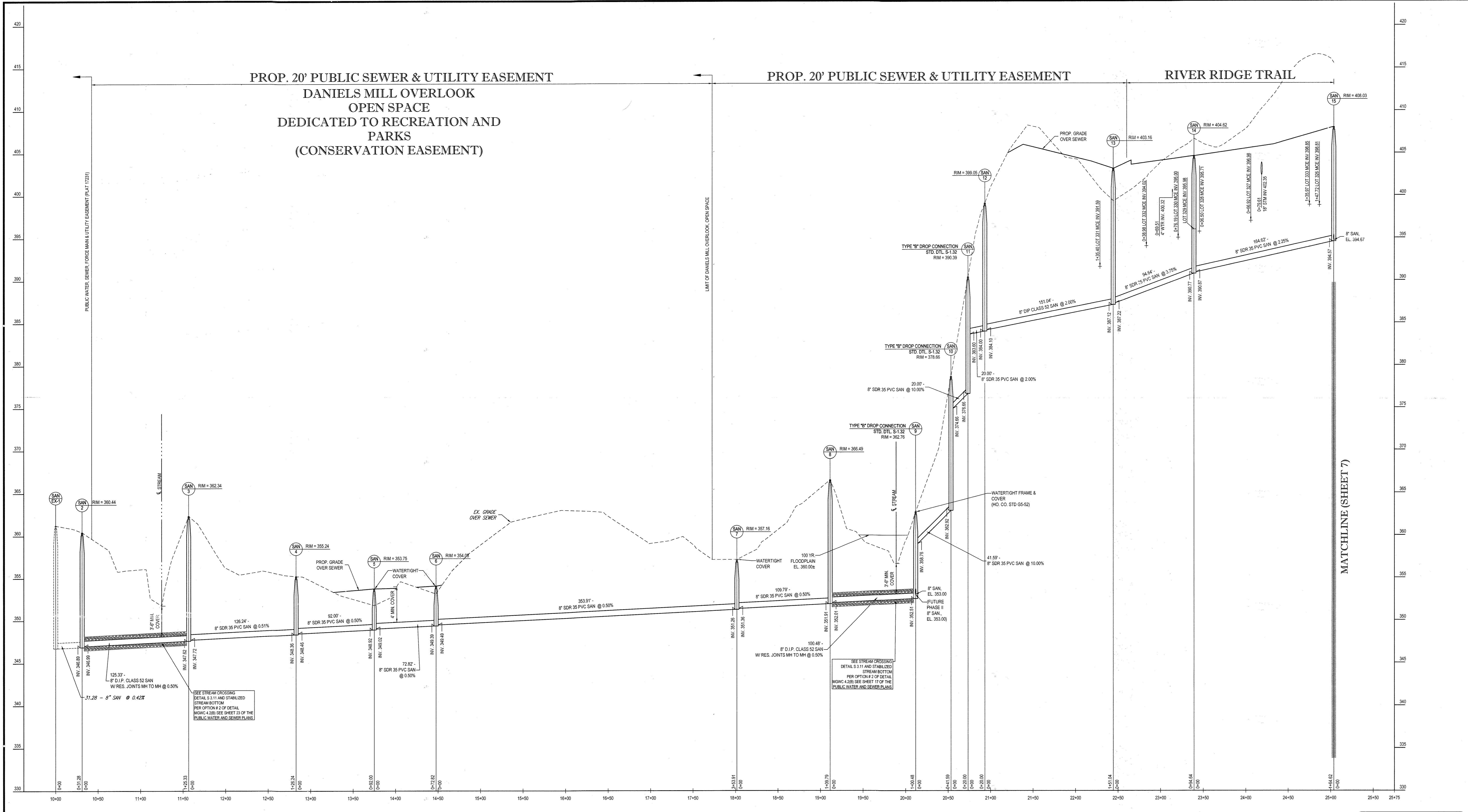
BRANDON R. BOHLER
PROFESSIONAL ENGINEER
STATE OF MARYLAND
LICENSE NO. 40888

REV.	DATE	DESCRIPTION	BY
DES. J.A.			
DRN R.L.B.	4 10/12/17	Revised to add manhole labels	CMS
	3 1-12-17	RS - BOHLER	KCT
CHK B.R.R.	2 4/13/16	REDLINE REVISION - PHASED PLAN	BRR
	1 10/21/15	REDLINE REVISION - LOT ADJUSTMENT	BRR
DATE: 2/12/16			

PHASE I PUBLIC WATER AND SEWER PLAN
PARCEL NO. N/A
600' SCALE MAP NO. 17 BLOCK NO. --

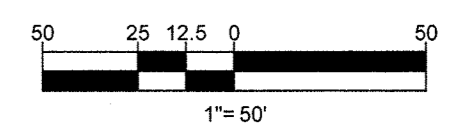
ESTATES AT PATAPSCO PARK
ROGERS AVENUE
BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
BUILDABLE LOTS 321 - 337 (SAN. ONLY)
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO.: 14-4803-D

SCALE: 1" = 50'
SHEET: 5 OF 16



PROPOSED SANITARY PROFILE (EX-1 TO SAN-15)
 SCALE: 1"=50' HORIZONTAL
 1"=5' VERTICAL

PROFESSIONAL CERTIFICATION
 I, BRANDON R. ROWE, 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. 40808, EXPIRATION DATE: 7/3/2017



THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO EXCURE THE EARTH'S SURFACE ANYWHERE IN THE STATE IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA AND DELAWARE CALL: 811
 (WV 1-800-245-4848) (PA 1-800-242-1778) (DC 1-800-257-7777) (VA 1-800-552-7301) (MD 1-800-257-7777) (DE 1-800-292-4555)

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 DATE: 5.12.16

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 DATE: 5.12.16

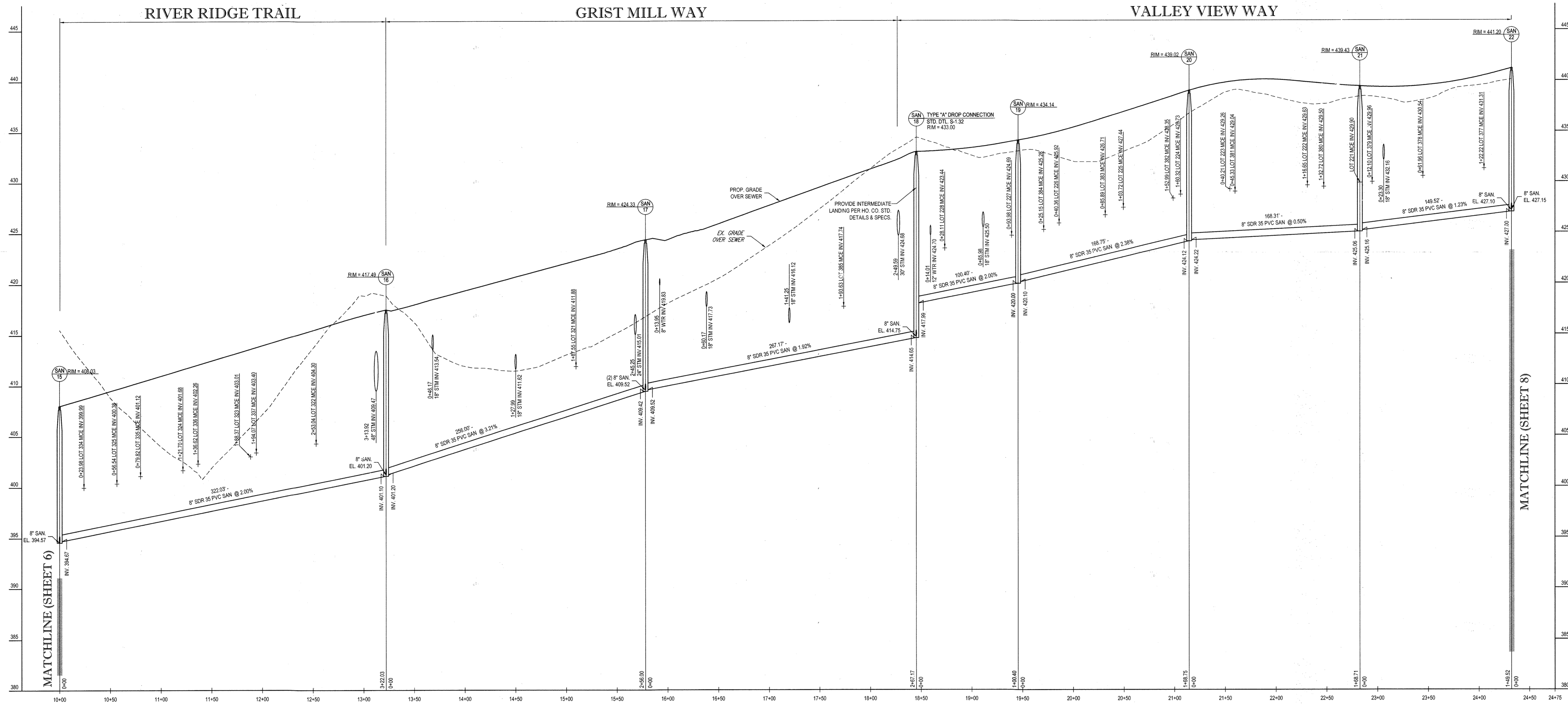
BOHLER ENGINEERING
 901 DULANEY VALLEY ROAD, SUITE 801
 TOWSON, MARYLAND 21284
 Phone: (410) 821-7800
 Fax: (410) 821-7987
 www.BohlerEngineering.com

B. R. ROWE
 PROFESSIONAL ENGINEER
 LICENSE NO. 40808
 EXPIRATION DATE: 7/3/2017

DES. J.A.			
DRN. R.L.B.			
CHK. B.R.R.	2	4/13/16	REDLINE REVISION - PHASED PLAN
	1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT
DATE: 2/12/16	REV.	DATE	DESCRIPTION

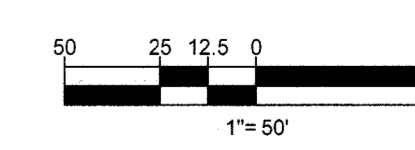
PHASE I
 PUBLIC SANITARY
 SEWER PROFILES
 PARCEL NO. N/A
 BLOCK NO. 17

ESTATES AT PATAPSCO PARK
 ROGERS AVENUE
 BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
 BUILDABLE LOTS 321 - 337 (SAN ONLY)
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO.: 14-4803-D
 SCALE AS SHOWN
 SHEET 6 OF 16



PROPOSED SANITARY PROFILE (SAN-15 TO SAN-22)
 SCALE: 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

PROFESSIONAL CERTIFICATION
 I, BRANDON R. ROWE, 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. 40808, EXPIRATION DATE: 7/31/2017



THE FOLLOWING STATES REQUIRE NOTIFICATION BY
 EXCAVATORS, DESIGNERS OR ANY PERSON PREPARING TO
 DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE
 IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, AND
 DELAWARE CALL: 811
 (WV 1-800-245-4848) (PA 1-800-342-3776) (DC 1-800-257-7777)
 (VA 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-252-8557)

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 Date: 5-12-16

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 Date: 5-12-16

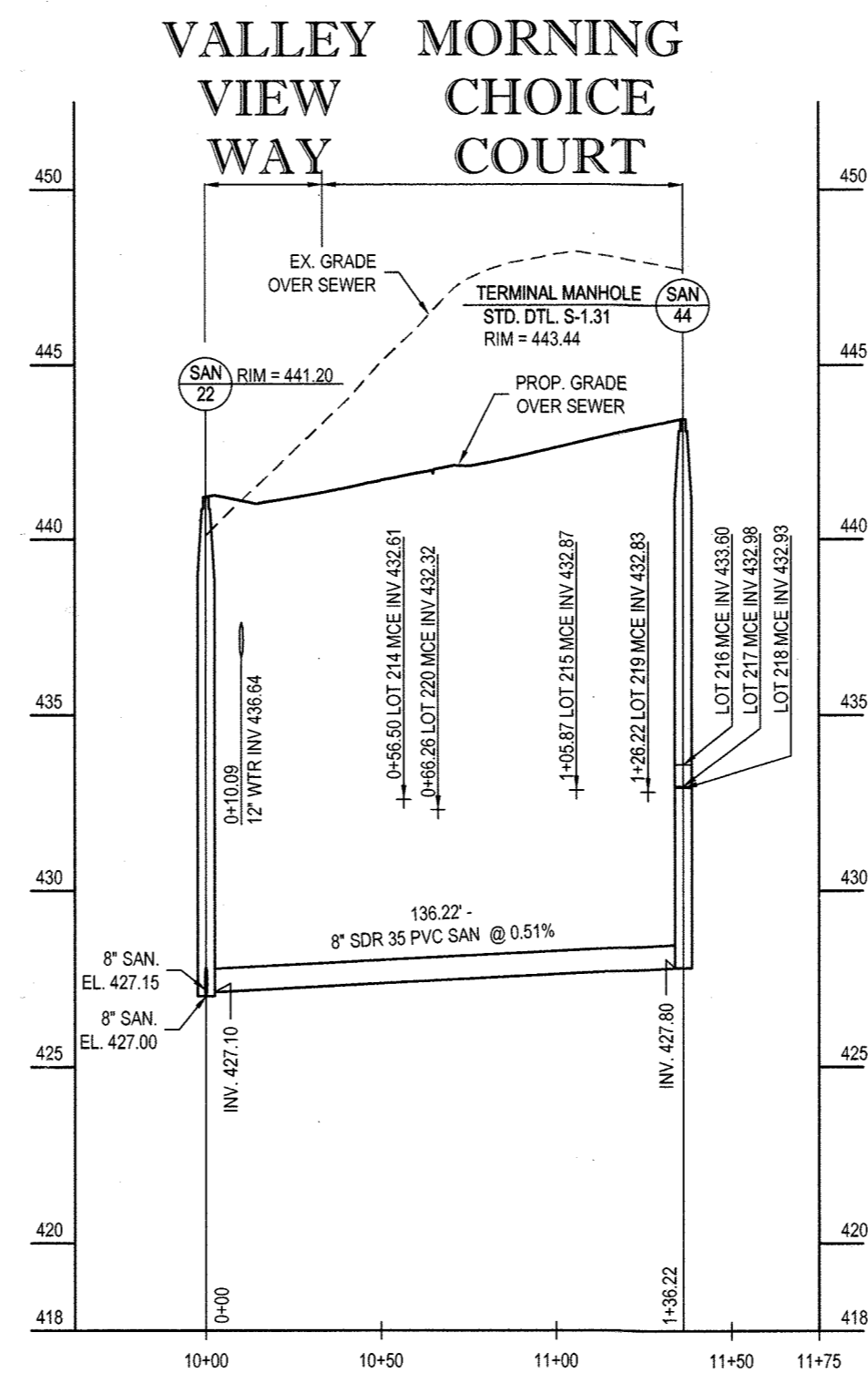
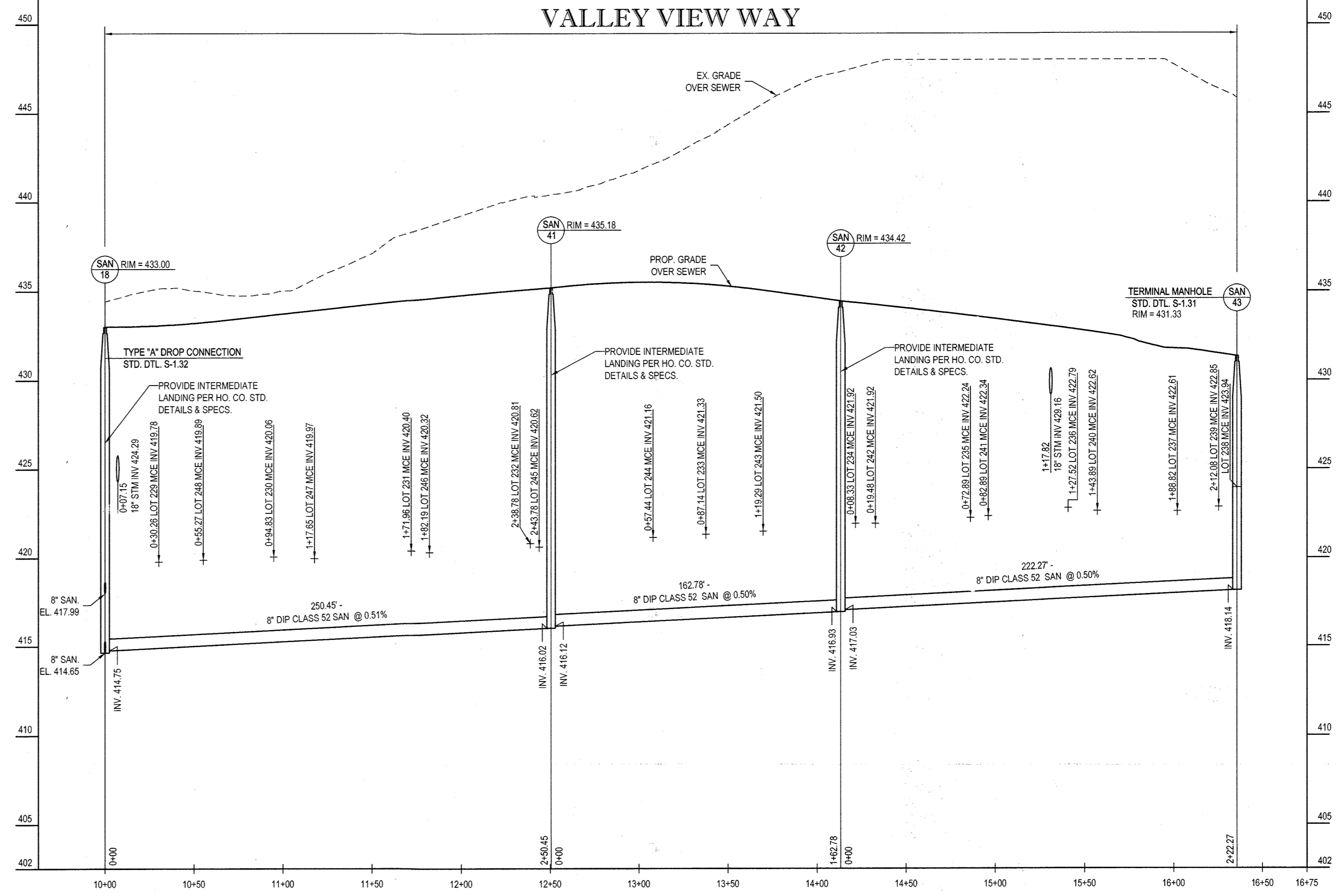
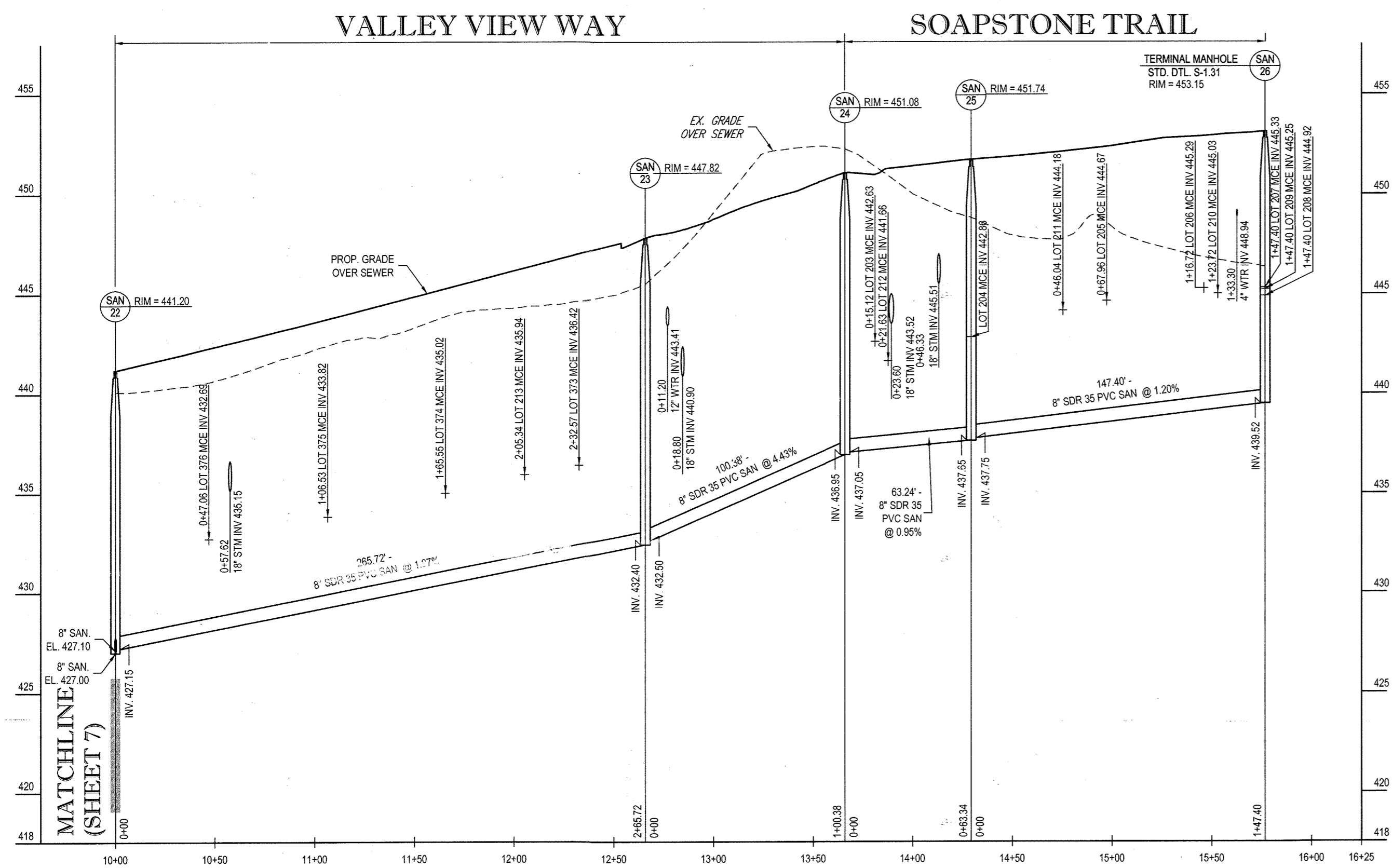
BOHLER ENGINEERING
 901 DULANEY VALLEY ROAD, SUITE 301
 TOWSON, MARYLAND 21204
 Phone: (410) 821-7900
 Fax: (410) 821-7987
 www.BohlerEngineering.com

B. R. ROWE
 PROFESSIONAL ENGINEER
 LICENSE NO. 40808

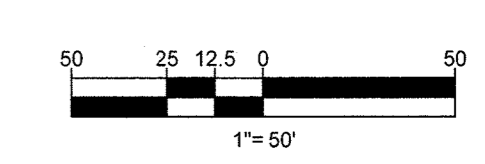
DES. J.A.			
DRN. R.L.B.			
CHK. B.R.R.	2	4/13/16	REDLINE REVISION - PHASED PLAN
	1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT
DATE: 2/12/16	REV.	DATE	DESCRIPTION

PHASE I
 PUBLIC SANITARY
 SEWER PROFILES
 PARCEL NO. N/A
 600' SCALE MAP NO. 17 BLOCK NO. --

ESTATES AT PATAPSCO PARK
 ROGERS AVENUE
 BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
 BUILDABLE LOTS 321 - 337 (SAN. ONLY)
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO.: 14-4803-D
 SCALE AS SHOWN
 SHEET 7 OF 16



PROFESSIONAL CERTIFICATION
I, BRANDON R. ROWE, 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. 40808, EXPIRATION DATE: 7/3/2017

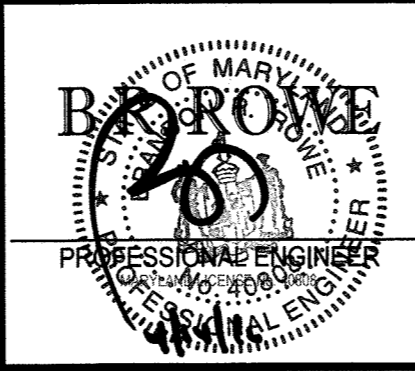


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DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
CHIEF, BUREAU OF UTILITIES
DATE: 5-12-16

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 5-12-16

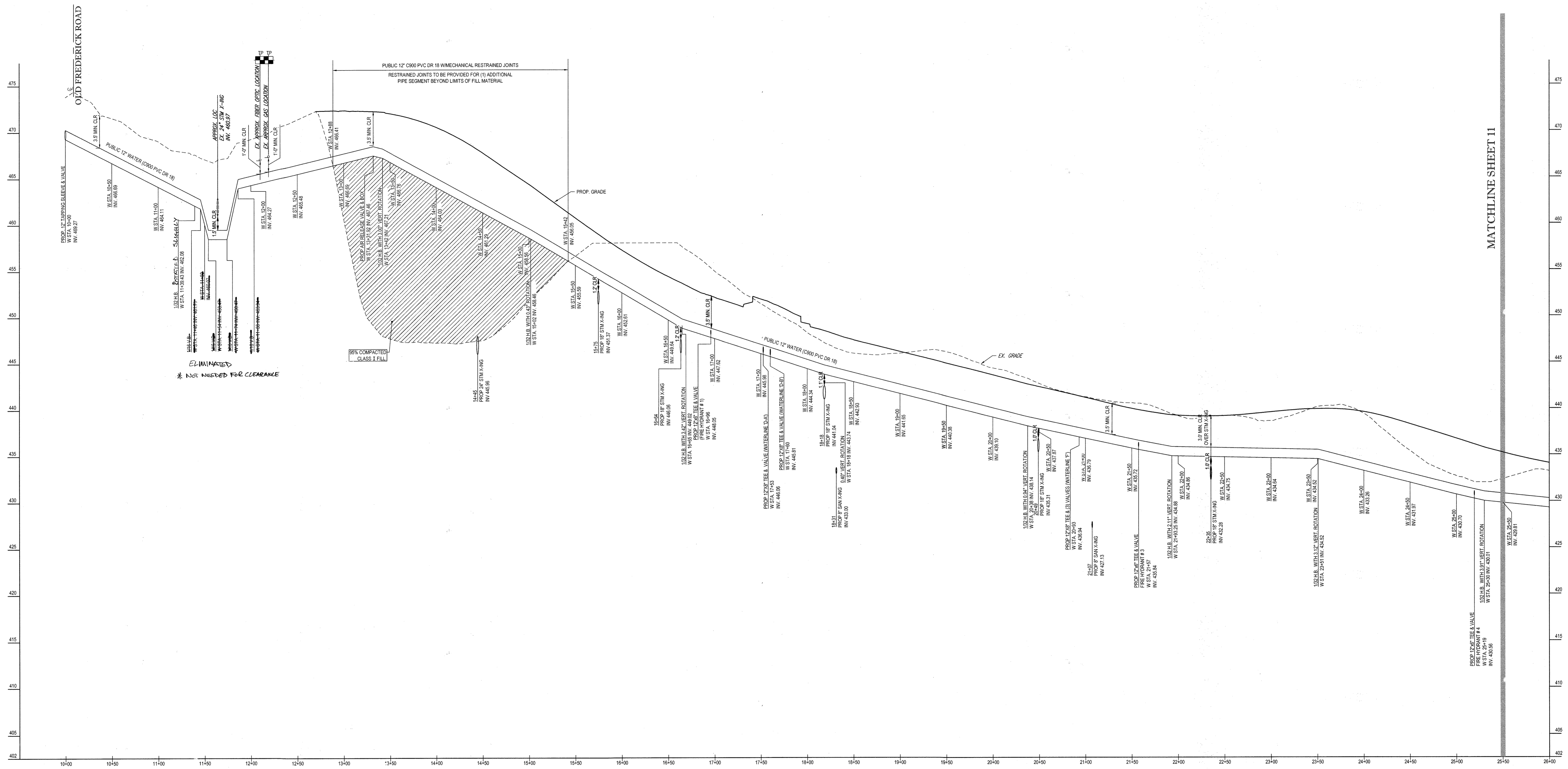
BOHLER ENGINEERING
901 DULANEY VALLEY ROAD, SUITE 801 TOWSON, MARYLAND 21204
Phone: (410) 821-7900 Fax: (410) 821-7987
www.BohlerEngineering.com



DES. J.A.			
DRN. R.L.B.			
CHK. B.R.R.	2	4/13/16	REDLINE REVISION - PHASED PLAN
	1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT
DATE: 2/12/16	REV.	DATE	DESCRIPTION

PHASE I PUBLIC SANITARY SEWER PROFILES
PARCEL NO. N/A
600' SCALE MAP NO. 17 BLOCK NO. --

ESTATES AT PATAPSCO PARK
ROGERS AVENUE
BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
BUILDABLE LOTS 321 - 337 (SAN. ONLY)
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO.: 14-4803-D
SCALE AS SHOWN
SHEET 8 OF 16



PROPOSED WATERLINE 'A' PROFILE - (10+00 - 25+50)
 SCALE: 1"=50' HORIZONTAL
 1"=5' VERTICAL

PROFESSIONAL CERTIFICATION
 I, BRANDON R. ROWE, 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. 40308, EXPIRATION DATE: 7/3/2017

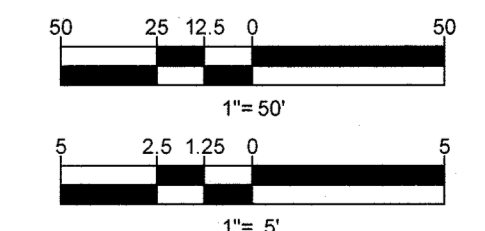
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 901 DULANEY VALLEY ROAD, SUITE 801
 TOWSON, MARYLAND 21204
 Phone: (410) 821-7900
 Fax: (410) 821-7987
 www.BohlerEngineering.com



DES. J.A.			
DRN. R.L.B.			
CHK. B.R.R.	1-12-17	As - Reviser	KCF
DATE: 2/12/16	REV.	DATE	DESCRIPTION
	1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT
	2	4/13/16	REDLINE REVISION - PHASED PLAN

PHASE I PUBLIC WATER PROFILES	
PARCEL NO.	N/A
600' SCALE MAP NO.	17
BLOCK NO.	

TEST PIT NOTE
 CONTRACTOR TO TEST PIT FOR EXACT LOCATION OF
 EXISTING UTILITY AND SUBMIT ANY DISCREPANCIES TO
 BOHLER ENGINEERING IN WRITING.

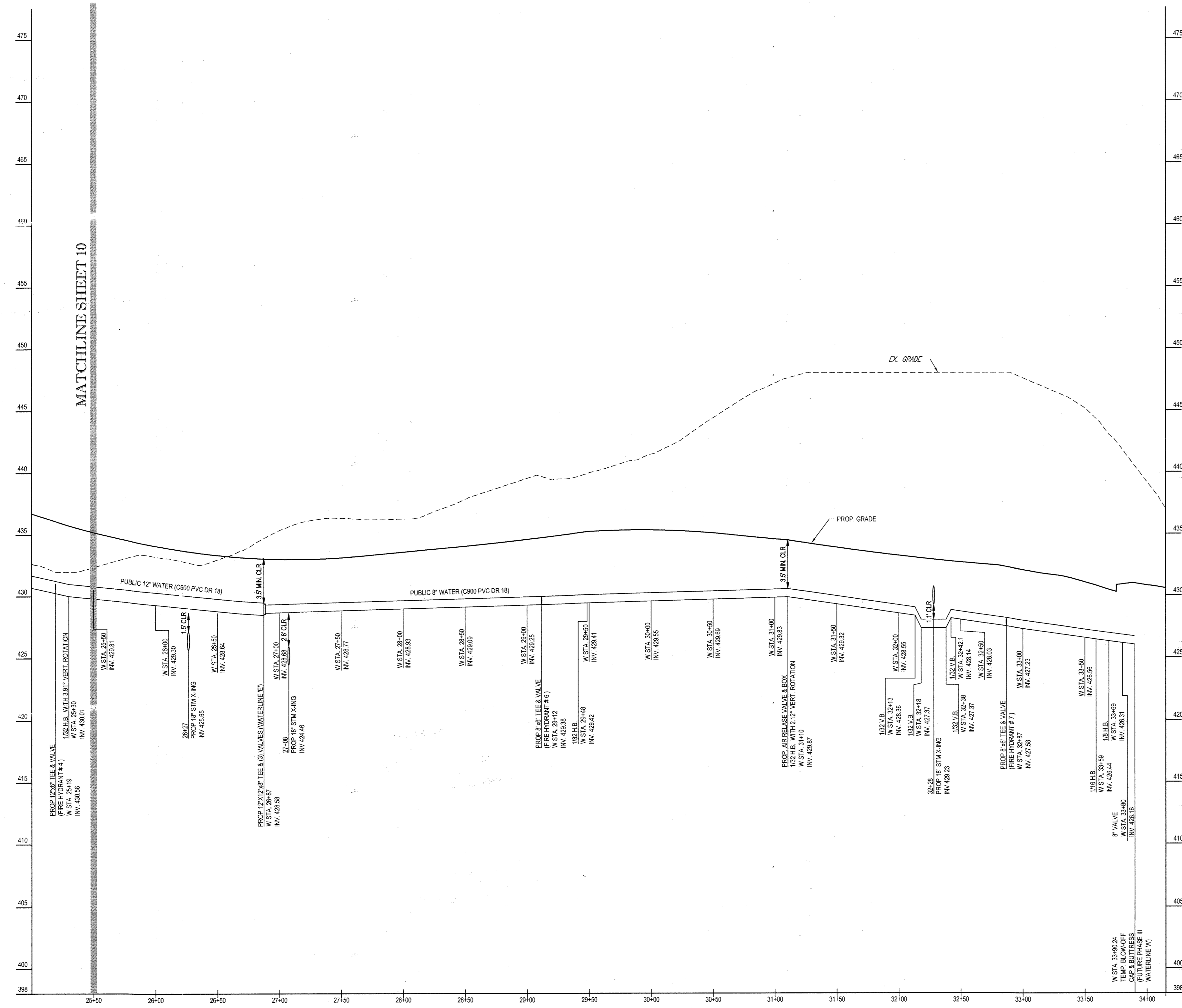


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 IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, AND
 DELAWARE CALL: 811
 (WV 1-800-245-4848) (PA 1-800-242-1776) (DC 1-800-257-7777)
 (VA 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-8559)

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 Date: 4/25/16

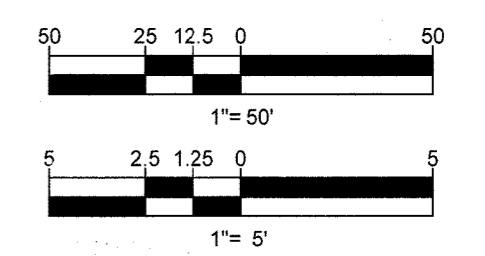
DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 Date: 5-12-16

ESTATES AT PATAPSCO PARK
 ROGERS AVENUE
 BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
 BUILDABLE LOTS 321 - 337 (SAN. ONLY)
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO.: 14-4803-D
 SCALE AS SHOWN
 SHEET 10 OF 16



PROPOSED WATERLINE 'A' PROFILE - (25+50 - 33+90.24)
 SCALE: 1"=50' HORIZONTAL
 1"=5' VERTICAL

PROFESSIONAL CERTIFICATION
 I, BRANDON R. ROWE, 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. 40808, EXPIRATION DATE: 7/3/2017

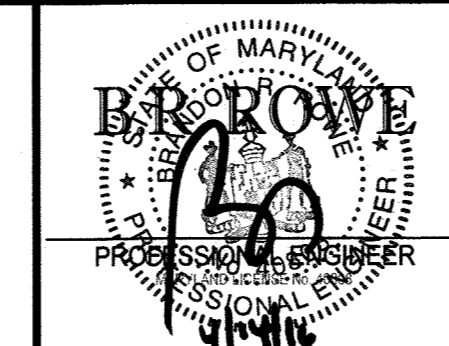


THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, AND DELAWARE: CALL 1-811 (WV 1-800-245-4444) (PA 1-800-242-1775) (DC 1-800-257-7777) (VA 1-800-552-7001) (MD 1-800-287-7777) (DE 1-800-282-8559)

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 Date: 5/12/16

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 Date: 5/12/16

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



DES. J.A.			
DRN. R.L.B.			
CHK. B.R.R.	2	4/13/16	REDLINE REVISION - PHASED PLAN
	1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT
DATE: 2/12/16	REV.	DATE	DESCRIPTION

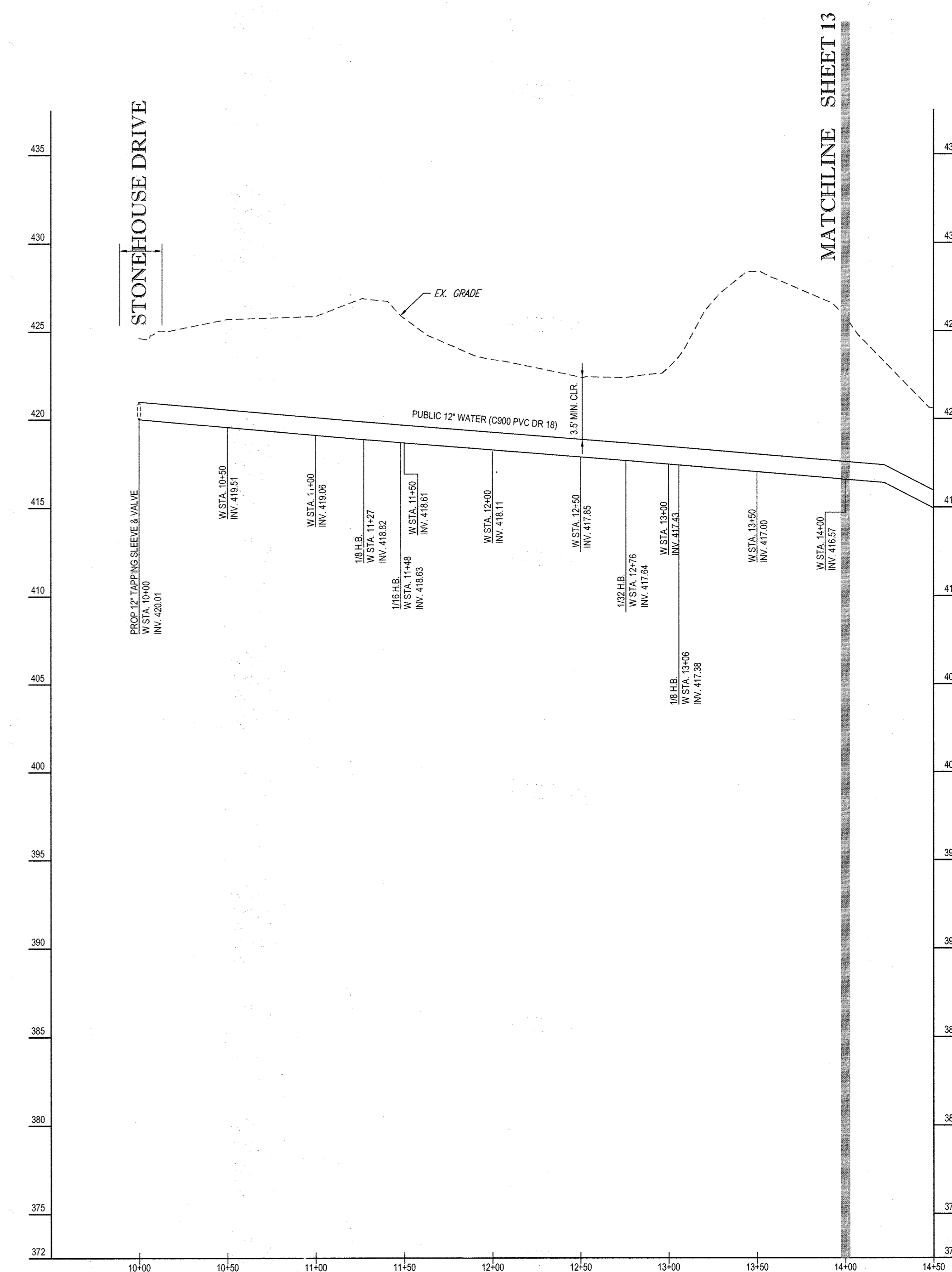
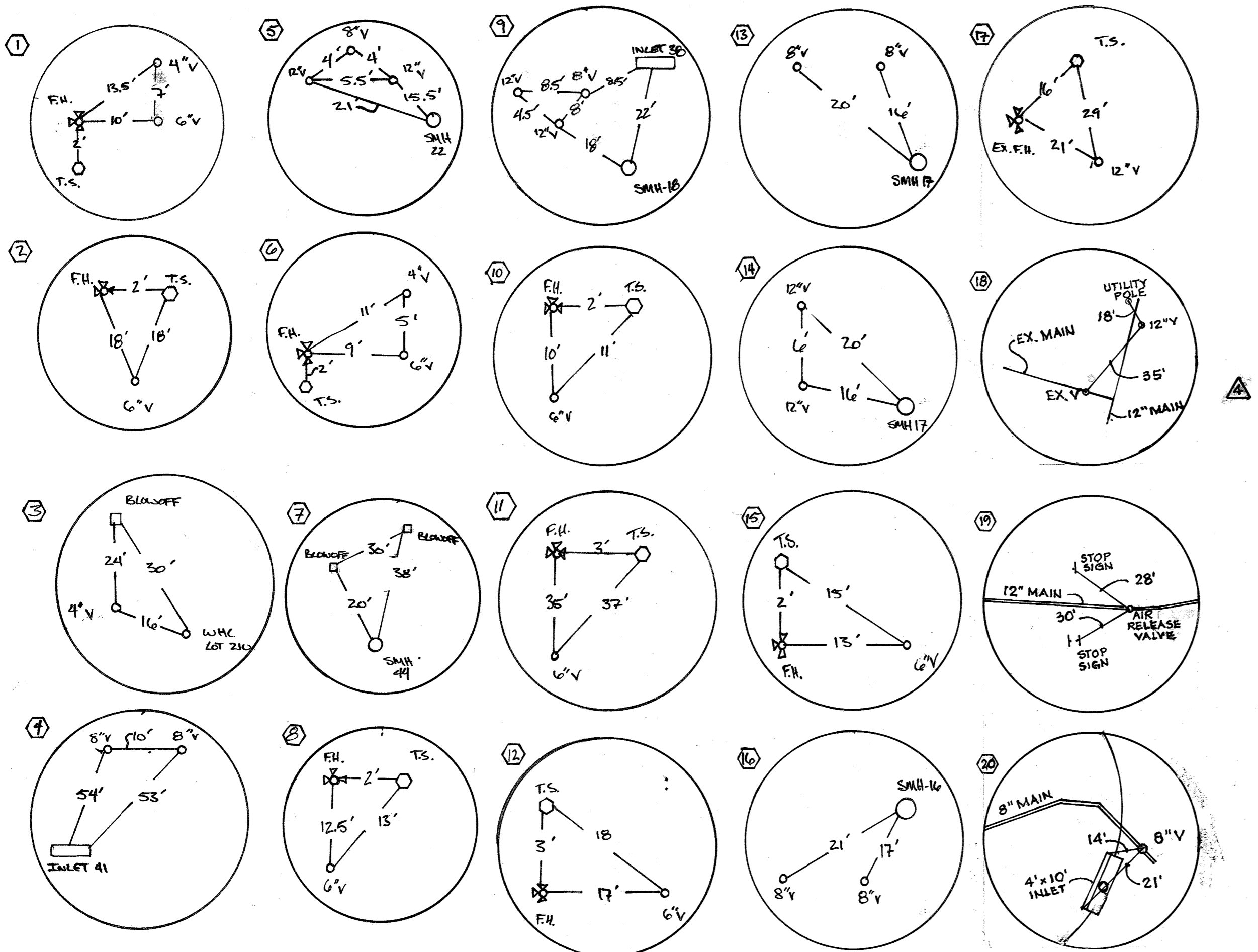
PHASE I PUBLIC WATER PROFILES	
PARCEL NO.	N/A
600' SCALE MAP NO.	17
BLOCK NO.	

ESTATES AT PATAPSCO PARK
 ROGERS AVENUE
 BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
 BUILDABLE LOTS 321 - 337 (SAN. ONLY)
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO.: 14-4803-D

SCALE AS SHOWN
 SHEET 11 OF 16

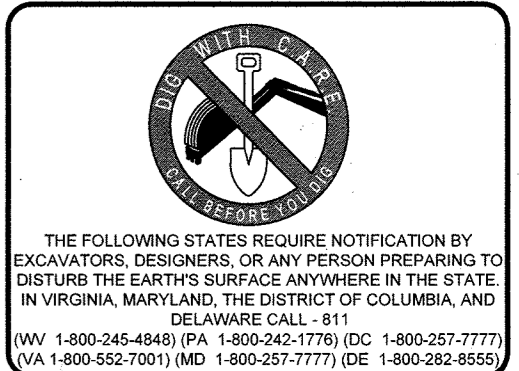
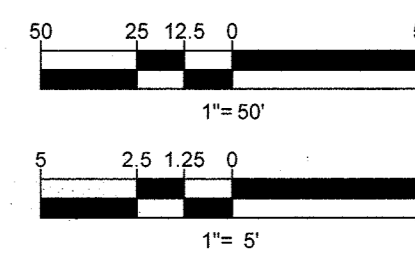
LOT	ADDRESS	LOCATION DIMENSION #1	LOCATION DIMENSION #2
201	SOADSTONE TRAIL	F.H. STA. 10+95	T.S.
202	SOADSTONE TRAIL	SMH-75	INLET 4
203	SOADSTONE TRAIL	F.H. STA. 12+82	T.S.
204	SOADSTONE TRAIL	F.H. STA. 12+82	T.S.
205	SOADSTONE TRAIL	F.H. STA. 12+82	T.S.
206	SOADSTONE TRAIL	SMH-26	F.H. STA. 12+82
207	SOADSTONE TRAIL	BLANCKE VALVE	SMH-26
208	SOADSTONE TRAIL	BLANCKE VALVE	SMH-26
209	SOADSTONE TRAIL	BLANCKE VALVE	SMH-26
210	SOADSTONE TRAIL	BLANCKE VALVE	SMH-26
211	SOADSTONE TRAIL	SMH-26	INLET 10
212	SOADSTONE TRAIL	SMH-26	INLET 10
213	MORNING CHOICE COURT	F.H. STA. 10+53	T.S.
214	MORNING CHOICE COURT	F.H. STA. 10+53	T.S.
215	MORNING CHOICE COURT	4" VALVE AT BLANCKE	SMH-44
216	MORNING CHOICE COURT	4" VALVE AT BLANCKE	SMH-44
217	MORNING CHOICE COURT	4" VALVE AT BLANCKE	SMH-44
218	MORNING CHOICE COURT	BLANCKE VALVE	SMH-44
219	MORNING CHOICE COURT	BLANCKE VALVE	SMH-44
220	MORNING CHOICE COURT	F.H. STA. 10+53	4" VALVE
221	VALLEY VIEW WAY	INLET 2	SMH-20
222	VALLEY VIEW WAY	INLET 2	SMH-20
223	VALLEY VIEW WAY	INLET 2	SMH-20
224	VALLEY VIEW WAY	SMH-7	SMH-20
225	VALLEY VIEW WAY	SMH-7	SMH-20
226	VALLEY VIEW WAY	SMH-7	SMH-20
227	VALLEY VIEW WAY	F.H. STA. 28+19	4" VALVE
228	VALLEY VIEW WAY	F.H. STA. 28+19	4" VALVE
229	VALLEY VIEW WAY	INLET 2	SMH-19
230	VALLEY VIEW WAY	INLET 2	SMH-19
231	VALLEY VIEW WAY	INLET 2	SMH-19
232	VALLEY VIEW WAY	INLET 2	SMH-19
233	VALLEY VIEW WAY	SMH-19	SMH-19
234	VALLEY VIEW WAY	SMH-19	SMH-19
235	VALLEY VIEW WAY	INLET 2	SMH-19
236	VALLEY VIEW WAY	INLET 2	SMH-19
237	VALLEY VIEW WAY	INLET 2	SMH-19
238	VALLEY VIEW WAY	INLET 2	SMH-19
239	VALLEY VIEW WAY	INLET 2	SMH-19
240	VALLEY VIEW WAY	INLET 2	SMH-19
241	VALLEY VIEW WAY	INLET 2	SMH-19
242	VALLEY VIEW WAY	INLET 2	SMH-19
243	VALLEY VIEW WAY	INLET 2	SMH-19
244	VALLEY VIEW WAY	INLET 2	SMH-19
245	VALLEY VIEW WAY	SMH-41	SMH-41
246	VALLEY VIEW WAY	SMH-41	SMH-41
247	VALLEY VIEW WAY	SMH-41	SMH-41
248	VALLEY VIEW WAY	SMH-41	SMH-41
249	VALLEY VIEW WAY	SMH-41	SMH-41
250	VALLEY VIEW WAY	SMH-41	SMH-41
251	VALLEY VIEW WAY	SMH-41	SMH-41
252	VALLEY VIEW WAY	SMH-41	SMH-41
253	VALLEY VIEW WAY	SMH-41	SMH-41
254	VALLEY VIEW WAY	SMH-41	SMH-41
255	VALLEY VIEW WAY	SMH-41	SMH-41
256	VALLEY VIEW WAY	SMH-41	SMH-41
257	VALLEY VIEW WAY	SMH-41	SMH-41
258	VALLEY VIEW WAY	SMH-41	SMH-41
259	VALLEY VIEW WAY	SMH-41	SMH-41
260	VALLEY VIEW WAY	SMH-41	SMH-41
261	VALLEY VIEW WAY	SMH-41	SMH-41
262	VALLEY VIEW WAY	SMH-41	SMH-41
263	VALLEY VIEW WAY	SMH-41	SMH-41
264	VALLEY VIEW WAY	SMH-41	SMH-41
265	VALLEY VIEW WAY	SMH-41	SMH-41

LOT	ADDRESS	LOCATION DIMENSION #1	LOCATION DIMENSION #2
266	VALLEY VIEW WAY	SMH-41	SMH-41
267	VALLEY VIEW WAY	SMH-41	SMH-41
268	VALLEY VIEW WAY	SMH-41	SMH-41
269	VALLEY VIEW WAY	SMH-41	SMH-41
270	VALLEY VIEW WAY	SMH-41	SMH-41
271	VALLEY VIEW WAY	SMH-41	SMH-41
272	VALLEY VIEW WAY	SMH-41	SMH-41
273	VALLEY VIEW WAY	SMH-41	SMH-41
274	VALLEY VIEW WAY	SMH-41	SMH-41
275	VALLEY VIEW WAY	SMH-41	SMH-41
276	VALLEY VIEW WAY	SMH-41	SMH-41
277	VALLEY VIEW WAY	SMH-41	SMH-41
278	VALLEY VIEW WAY	SMH-41	SMH-41
279	VALLEY VIEW WAY	SMH-41	SMH-41
280	VALLEY VIEW WAY	SMH-41	SMH-41
281	VALLEY VIEW WAY	SMH-41	SMH-41
282	VALLEY VIEW WAY	SMH-41	SMH-41
283	VALLEY VIEW WAY	SMH-41	SMH-41
284	VALLEY VIEW WAY	SMH-41	SMH-41
285	VALLEY VIEW WAY	SMH-41	SMH-41
286	VALLEY VIEW WAY	SMH-41	SMH-41
287	VALLEY VIEW WAY	SMH-41	SMH-41
288	VALLEY VIEW WAY	SMH-41	SMH-41
289	VALLEY VIEW WAY	SMH-41	SMH-41
290	VALLEY VIEW WAY	SMH-41	SMH-41
291	VALLEY VIEW WAY	SMH-41	SMH-41
292	VALLEY VIEW WAY	SMH-41	SMH-41
293	VALLEY VIEW WAY	SMH-41	SMH-41
294	VALLEY VIEW WAY	SMH-41	SMH-41
295	VALLEY VIEW WAY	SMH-41	SMH-41
296	VALLEY VIEW WAY	SMH-41	SMH-41
297	VALLEY VIEW WAY	SMH-41	SMH-41
298	VALLEY VIEW WAY	SMH-41	SMH-41
299	VALLEY VIEW WAY	SMH-41	SMH-41
300	VALLEY VIEW WAY	SMH-41	SMH-41
301	VALLEY VIEW WAY	SMH-41	SMH-41
302	VALLEY VIEW WAY	SMH-41	SMH-41
303	VALLEY VIEW WAY	SMH-41	SMH-41
304	VALLEY VIEW WAY	SMH-41	SMH-41
305	VALLEY VIEW WAY	SMH-41	SMH-41



PROPOSED WATERLINE 'E' PROFILE (10+00 - 14+00)
 SCALE: 1" = 50' HORIZONTAL
 1" = 5' VERTICAL

NOTE: DR-14, C900 PVC PIPE, WITH RESTRAINED JOINTS, SHALL BE USED BETWEEN STATION 13+06 AND STATION 14+20. THE MAXIMUM COVER WITHIN THESE LIMITS SHALL NOT EXCEED TEN (10) FEET.

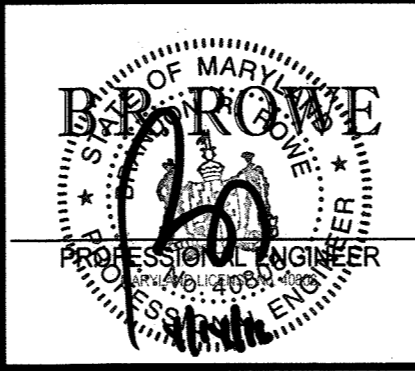


PROFESSIONAL CERTIFICATION
 I, BRANDON R. ROWE, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 40808, EXPIRATION DATE: 7/30/21

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 DATE: 5-12-16

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 DATE: 5-12-16

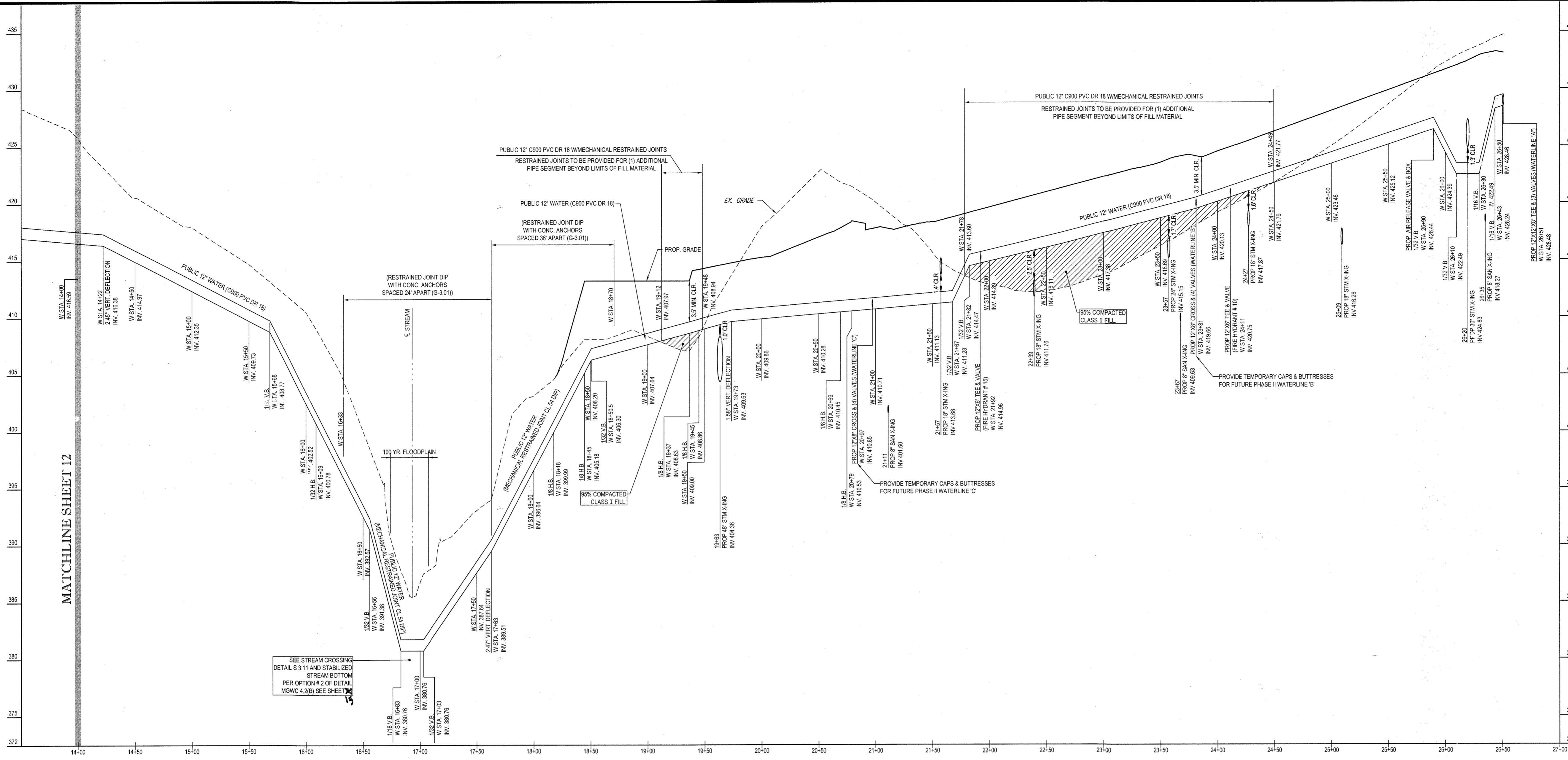
BOHLER ENGINEERING
 901 DULANEY VALLEY ROAD, SUITE 801
 TOWSON, MARYLAND 21204
 Phone: (410) 821-7900
 Fax: (410) 821-7987
 www.BohlerEngineering.com



DES. J.A.			
DRN. R.L.B.	4	12/7/21	AS BUILT
CHK. B.R.R.	2	1-11-17	As-Built
DATE 2/12/16	1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT
REV.	DATE	DESCRIPTION	BY

PHASE I PUBLIC WATER PROFILES
 PARCEL NO. N/A
 600' SCALE MAP NO. 17 BLOCK NO. --

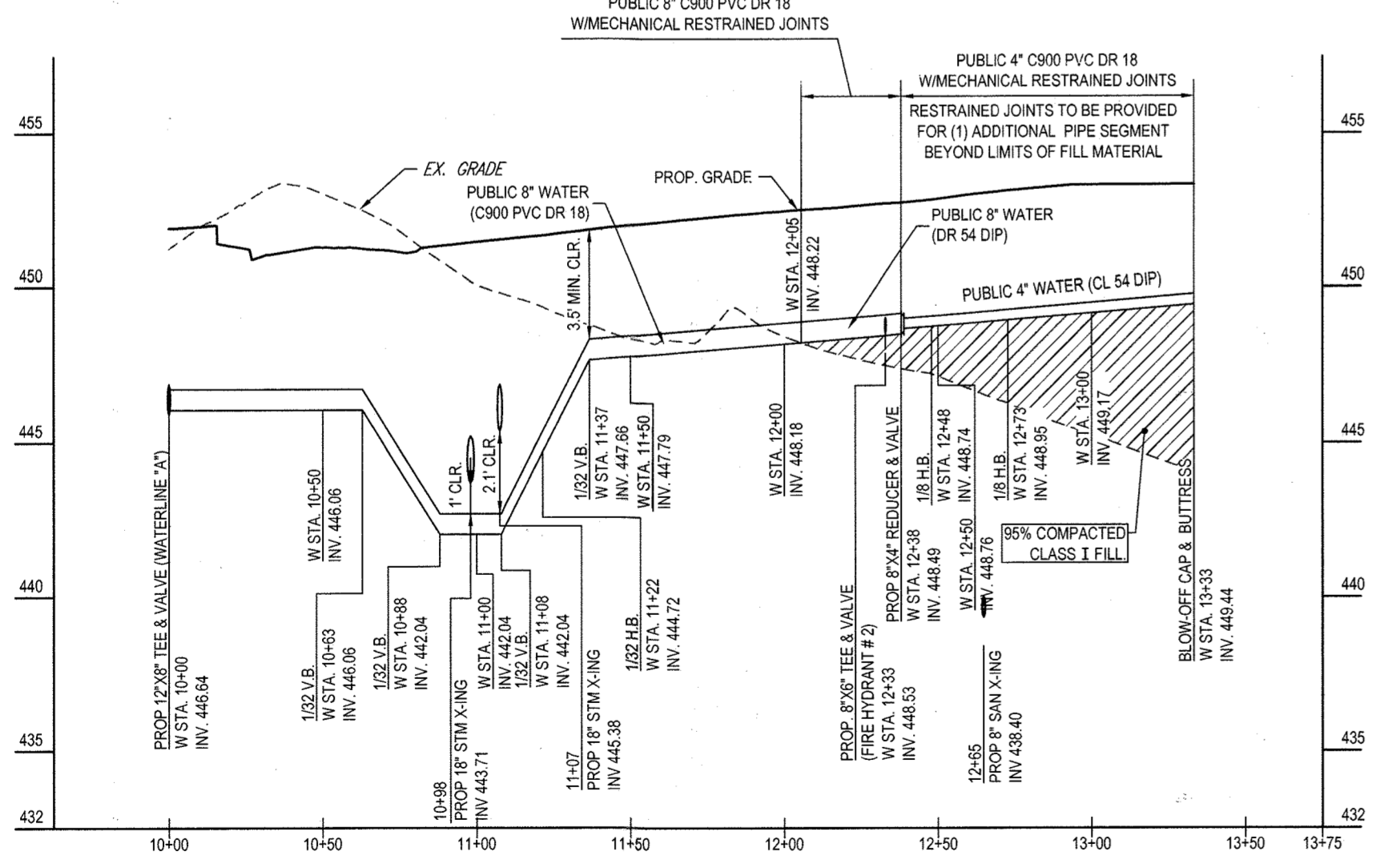
ESTATES AT PATAPSCO PARK
 ROGERS AVENUE
 BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
 BUILDABLE LOTS 321 - 337 (SAN. ONLY)
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT NO.: 14-4803-D
 SCALE AS SHOWN SHEET 12 OF 16



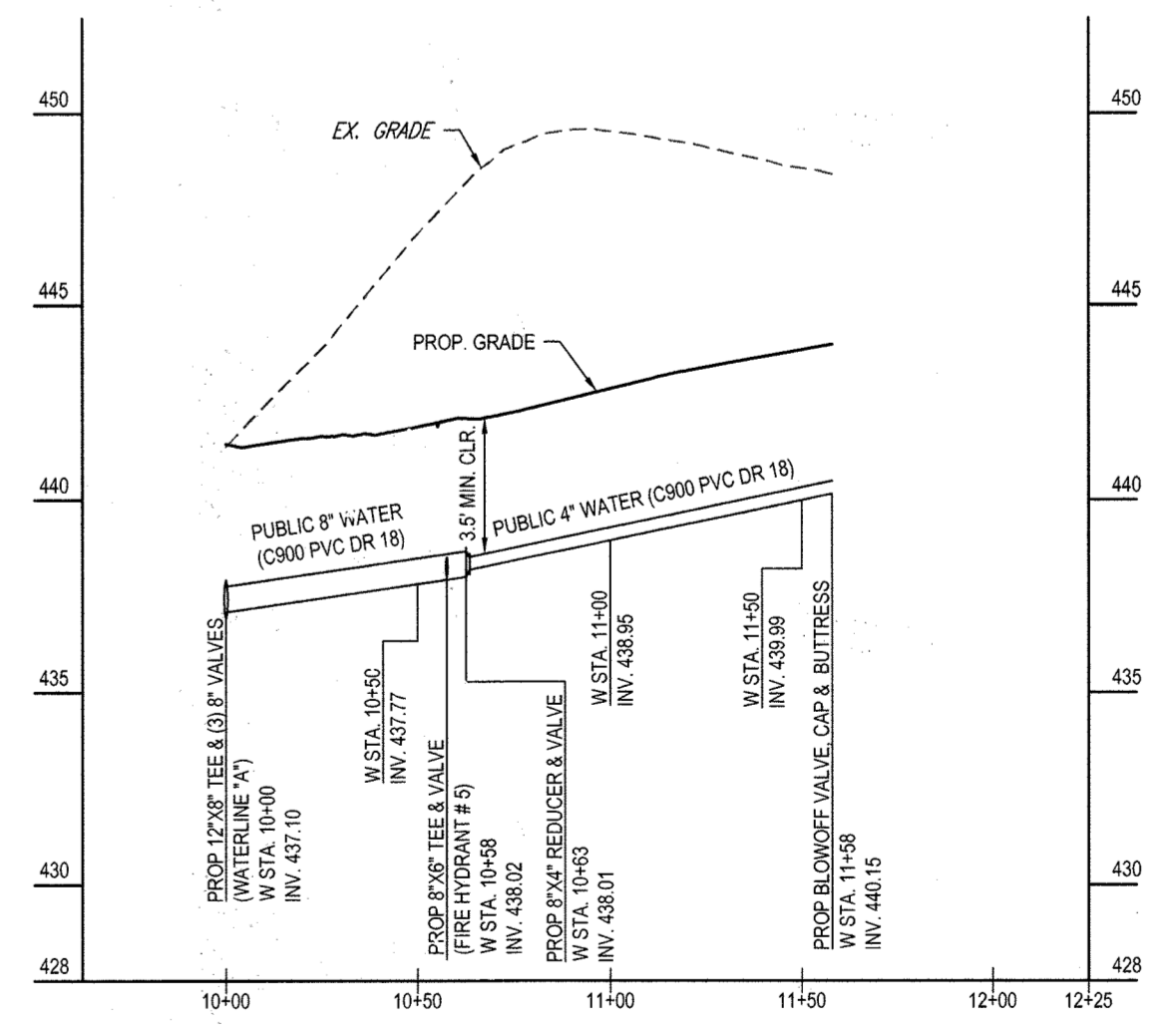
MATCHLINE SHEET 12

NOTE: DR-14, C900 PVC PIPE, WITH RESTRAINED JOINTS, SHALL BE USED BETWEEN STATION 13+06 AND STATION 14+20. THE MAXIMUM COVER WITHIN THESE LIMITS SHALL NOT EXCEED TEN (10) FEET.

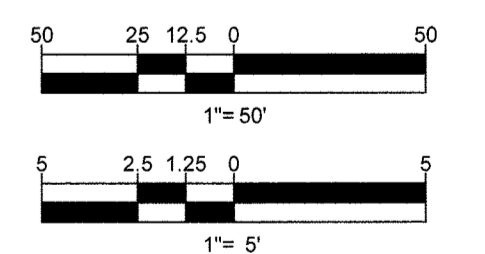
PROPOSED WATERLINE 'E' PROFILE (14+00 - 26+50.62)
SCALE: 1"=50' HORIZONTAL
1"=5' VERTICAL



PROPOSED WATERLINE 'D-A' PROFILE
SCALE: 1"=50' HORIZONTAL
1"=5' VERTICAL



PROPOSED WATERLINE 'F' PROFILE
SCALE: 1"=50' HORIZONTAL
1"=5' VERTICAL



PROFESSIONAL CERTIFICATION
I, BRANCON R. ROWE, 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. 40828, EXPIRATION DATE: 7/3/2017

BOHLER ENGINEERING
901 DULANEY VALLEY ROAD, SUITE 801
TOWSON, MARYLAND 21284
Phone: (410) 821-7900
Fax: (410) 821-7887
www.BohlerEngineering.com



DES. J.A.			
DRN. R.L.B.			
CHK. B.R.R.	2	4/13/16	REDLINE REVISION - PHASED PLAN
	1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT
DATE: 2/12/16	REV.	DATE	DESCRIPTION

PHASE I PUBLIC WATER PROFILES	
PARCEL NO.	N/A
600' SCALE MAP NO.	17
BLOCK NO.	--

ESTATES AT PATAPSCO PARK
ROGERS AVENUE
BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
BUILDABLE LOTS 321 - 337 (SAN. ONLY)
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO.: 14-4803-D

SCALE
AS SHOWN
SHEET
13 OF 16

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
Edith C. Conn 4/25/16
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
Chad Clarke 5-12-16
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO EXCURE THE EARTH'S SURFACE ANYWHERE IN THE STATE IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, AND DELAWARE: CALL: 811 (WV 1-800-245-2848) (PA 1-800-245-1778) (DC 1-800-257-7777) (VA 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-8556)

WATER FITTING CHART

WATER MAIN CL STATION	FITTING	NORTHING EASTING
10+00.00	12" TAPPING SLEEVE & VALVE	N 59620.61 E 136298.96
11+39.43	1/2" H.B. WITH 0.88" VERT. ROTATION	N 595731.38 E 136295.94
11+45.61	1/16" V.B. WITH 4.21" HOR. ROTATION	N 595737.02 E 136295.94
11+54.20	1/16" V.B. WITH 4.11" HOR. ROTATION	N 595744.86 E 136295.94
11+74.20	1/16" V.B.	N 595763.10 E 136295.94
11+86.20	1/16" V.B.	N 595774.05 E 136295.94
13+31.92	AIR RELEASE VALVE & ROADWAY BOX	N 595907.00 E 1363039.94
13+41.92	1/2" H.B. W/ 6.56" VERT. ROTATION	N 595916.13 E 1363039.94
15+01.79	1/2" H.B. WITH 0.43" VERT. ROTATION	N 596072.96 E 1363064.98
16+64.96	1/2" H.B. WITH 3.42" VERT. ROTATION	N 596236.06 E 1363059.67
16+95.93	12"X8" TEE & VALVE (FIRE HYDRANT #1)	N 596255.99 E 1363051.74
17+52.66	12"X8" TEE & VALVE (WATERLINE D-A)	N 596320.83 E 1363037.21
17+60.22	12"X8" TEE & VALVE (WATERLINE D-B)	N 596328.14 E 1363035.28
18+18.46	0.40" VERT. DEFLECTION	N 596384.44 E 1363020.37
20+37.64	1/2" H.B. WITH 0.94" VERT. ROTATION	N 596596.31 E 1362964.25
20+93.35	12"X8" TEE & (3) VALVES (WATERLINE F)	N 596655.77 E 1362958.92
21+57.37	PROP 12"X8" TEE & VALVE (FIRE HYDRANT #4)	N 596715.50 E 1362952.79
21+93.25	1/2" H.B. WITH 2.11" VERT. ROTATION	N 596751.21 E 1362949.35
23+50.77	1/2" H.B. WITH 3.12" VERT. ROTATION	N 596908.46 E 1362958.55
25+19.31	12"X8" TEE & VALVE (FIRE HYDRANT #3)	N 597072.45 E 1362967.46
25+30.02	1/2" H.B. WITH 3.91" VERT. ROTATION	N 597082.86 E 1362969.94
26+87.32	12"X12"X8" TEE & (3) VALVES (WATERLINE E)	N 597227.61 E 1363061.52
29+11.69	12"X8" TEE & VALVE (FIRE HYDRANT #6)	N 597434.07 E 1363149.36
29+48.38	1/2" H.B.	N 597467.83 E 1363163.73
31+10.45	1/2" H.B. WITH 2.12" VERT. ROTATION	N 597627.88 E 1363189.21
32+13.17	1/2" V.B.	N 597730.37 E 1363162.32
33+18.11	1/2" V.B.	N 597735.30 E 1363181.99
33+38.22	1/2" V.B.	N 597755.36 E 1363180.64
33+42.09	1/2" V.B.	N 597759.23 E 1363180.38
33+86.81	8"X8" TEE & VALVE (FIRE HYDRANT #7)	N 597803.84 E 1363177.37
33+89.06	1/16" H.B.	N 597875.93 E 1363172.52
33+89.33	1/8" H.B.	N 597885.55 E 1363176.13
33+89.24	8" VALVE	N 597888.09 E 1363315.61
33+89.24	TEMPORARY BLOW-OFF CAP & BUTTRESS	N 598007.38 E 1363410.38

WATER FITTING CHART

WATER MAIN CL STATION	FITTING	NORTHING EASTING
10+00.00	12"X8" TEE & VALVE (WATERLINE 'A')	N 596330.83 E 1363037.21
10+62.82	1/2" V.B.	N 596334.75 E 1362976.49
10+88.01	1/2" V.B.	N 596338.39 E 1362962.14
11+08.01	1/2" V.B.	N 596333.18 E 1362952.80
11+21.51	1/2" H.B.	N 596389.73 E 1362919.76
12+32.88	8"X8" TEE & VALVE (FIRE HYDRANT #2)	N 596382.78 E 1362938.60
12+37.88	8"X4" REDUCER & VALVE	N 596282.44 E 1362933.92
12+47.87	1/8" H.B.	N 596281.82 E 1362753.64
12+72.87	1/8" H.B.	N 596296.38 E 1362774.89
13+33.25	BLOWOFF VALVE, PLUG & BUTTRESS	N 596358.86 E 1362771.76

WATER FITTING CHART

WATER MAIN CL STATION	FITTING	NORTHING EASTING
10+00.00	12"X8" TEE & VALVE (WATERLINE 'A')	N 596330.83 E 1363037.21
10+84.07	TEMPORARY BLOW-OFF CAP & BUTTRESS	N 596349.66 E 1363115.55

WATER FITTING CHART

WATER MAIN CL STATION	FITTING	NORTHING EASTING
10+00.00	12" TAPPING SLEEVE & VALVE	N 596709.73 E 1364460.85
11+27.15	1/8" H.B.	N 596712.48 E 1364333.73
11+47.89	1/16" H.B.	N 596727.53 E 1364319.32
12+75.79	1/2" H.B.	N 596846.83 E 1364272.99
13+05.72	1/8" H.B.	N 596872.44 E 1364257.82
14+22.10	2.45" VERT. DEFLECTION	N 596905.99 E 1364146.26
15+68.38	1/2" V.B.	N 596947.25 E 1364006.03
16+08.76	1/2" H.B.	N 596958.76 E 1363967.33
16+55.94	1/2" V.B.	N 596978.00 E 1363924.25
16+83.16	1/16" V.B.	N 596989.10 E 1363899.40
17+03.16	1/2" V.B.	N 596997.26 E 1363881.14
17+62.74	2.47" VERT. DEFLECTION	N 597021.66 E 1363826.74
18+17.55	1/8" H.B.	N 597043.92 E 1363776.70
19+44.64	1/8" H.B.	N 597034.24 E 1363751.40
19+50.49	1/2" V.B.	N 597028.89 E 1363749.01
19+36.50	1/8" H.B.	N 596960.36 E 1363713.93
19+44.87	1/8" H.B.	N 596947.37 E 1363706.12
19+73.34	1.58" VERT. DEFLECTION	N 596968.98 E 1363690.12
20+09.28	1/8" H.B.	N 596969.11 E 1363592.53
20+79.18	1/8" H.B.	N 596994.57 E 1363583.28
20+97.18	12"X8" CROSS & (4) VALVES (WATERLINE 'C')	N 597001.91 E 1363566.85
21+67.35	1/2" V.B.	N 597030.53 E 1363502.78
21+82.36	1/2" V.B.	N 597026.65 E 1363489.06
21+82.36	12"X8" TEE & VALVE (FIRE HYDRANT #15)	N 597040.73 E 1363478.93
23+81.18	12"X8" CROSS & (4) VALVES (WATERLINE 'B')	N 597117.73 E 1363307.53
24+11.18	12"X8" TEE & VALVE (FIRE HYDRANT #10)	N 597128.96 E 1363280.14
25+89.61	PROP. AIR RELEASE VALVE & 1/2" V.B.	N 597202.73 E 1363117.22
26+09.62	1/2" V.B.	N 597210.89 E 1363098.95
26+29.62	1/16" V.B.	N 597219.05 E 1363090.89
26+43.48	1/16" V.B.	N 597224.70 E 1363068.03
26+50.62	12"X12"X8" TEE & (3) VALVES (WATERLINE 'A')	N 597227.61 E 1363061.52

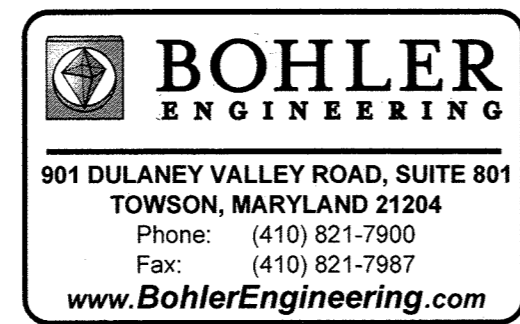
WATER FITTING CHART

WATER MAIN CL STATION	FITTING	NORTHING EASTING
10+00.00	12"X8" TEE & (3) VALVES (WATERLINE 'A')	N 596651.77 E 1362968.92
10+57.57	PROP 8"X8" TEE & VALVE (FIRE HYDRANT #5)	N 596646.26 E 1362961.61
10+62.57	PROP 8"X4" REDUCER & VALVE	N 596645.78 E 1362961.63
11+57.95	BLOWOFF VALVE, CAP & BUTTRESS	N 596636.65 E 1362861.70

PROFESSIONAL CERTIFICATION
I, BRANDON R. ROWE, 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. 40886, EXPIRATION DATE: 7/3/2017

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
John C. Coan
CHIEF, BUREAU OF UTILITIES

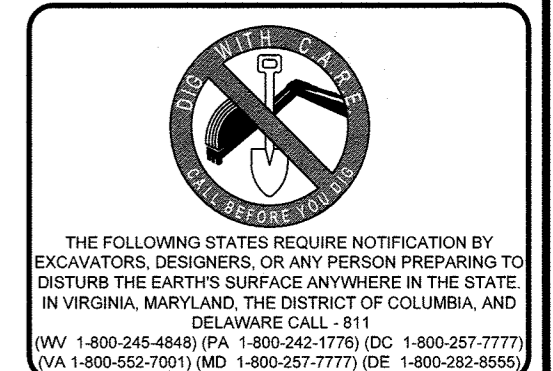
DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
Chad Edick
CHIEF, DEVELOPMENT ENGINEERING DIVISION



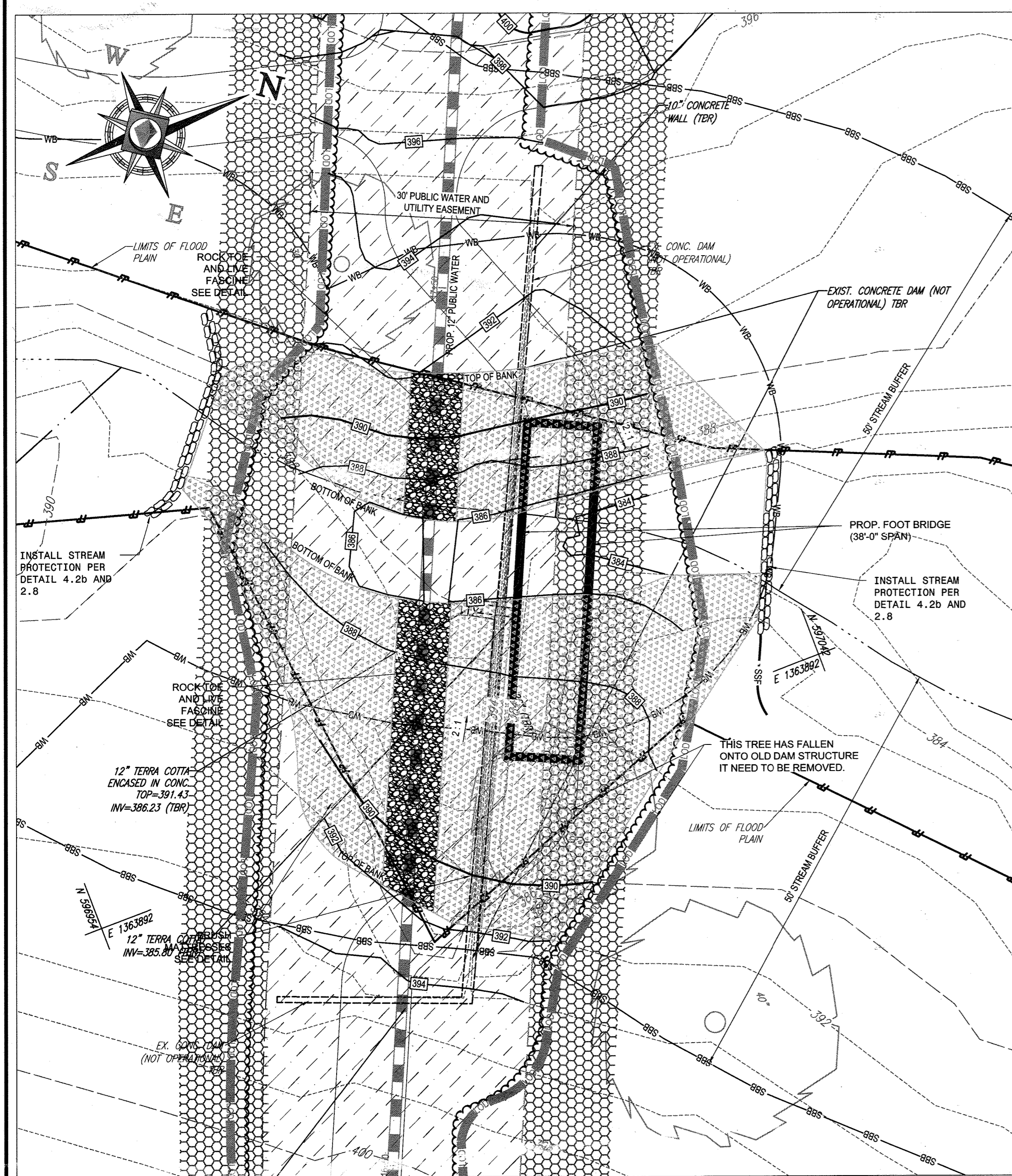
DES. J.A.	DRN. R.L.B.	CHK. B.R.R.	DATE	REV.	DATE	DESCRIPTION	BY
		2	4/13/16			REDLINE REVISION - PHASED PLAN	BRR
		1	10/21/15			REDLINE REVISION - LOT ADJUSTMENT	BRR
			2/12/16				

PHASE I WATER FITTING CHARTS
PARCEL NO. N/A
600' SCALE MAP NO. 17 BLOCK NO. --

ESTATES AT PATAPSCO PARK
ROGERS AVENUE
BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
BUILDABLE LOTS 321 - 337 (SAN. ONLY)
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO.: 14-4803-D



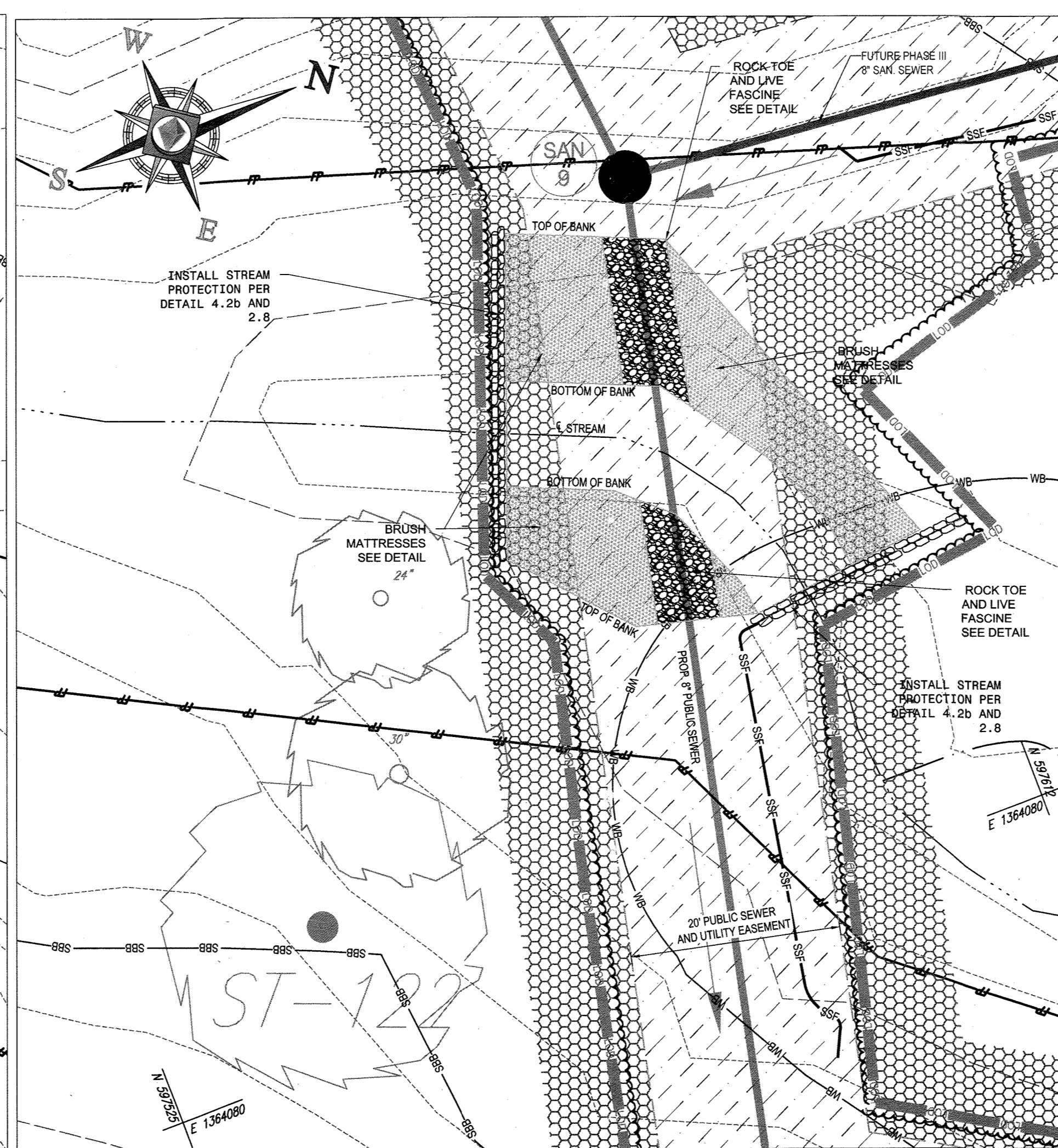
THE FOLLOWING STATES REQUIRE NOTIFICATION BY EXCAVATORS, DESIGNERS, OR ANY PERSON PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN THE STATE: IN VIRGINIA, MARYLAND, THE DISTRICT OF COLUMBIA, AND DELAWARE. CALL - 811 (VA 1-800-248-4841) (PA 1-800-243-1776) (DC 1-800-257-7777) (MD 1-800-552-7001) (MD 1-800-257-7777) (DE 1-800-282-8555)



EXPLODED VIEW
SCALE: 1"=10'

SEQUENCE OF CONSTRUCTION

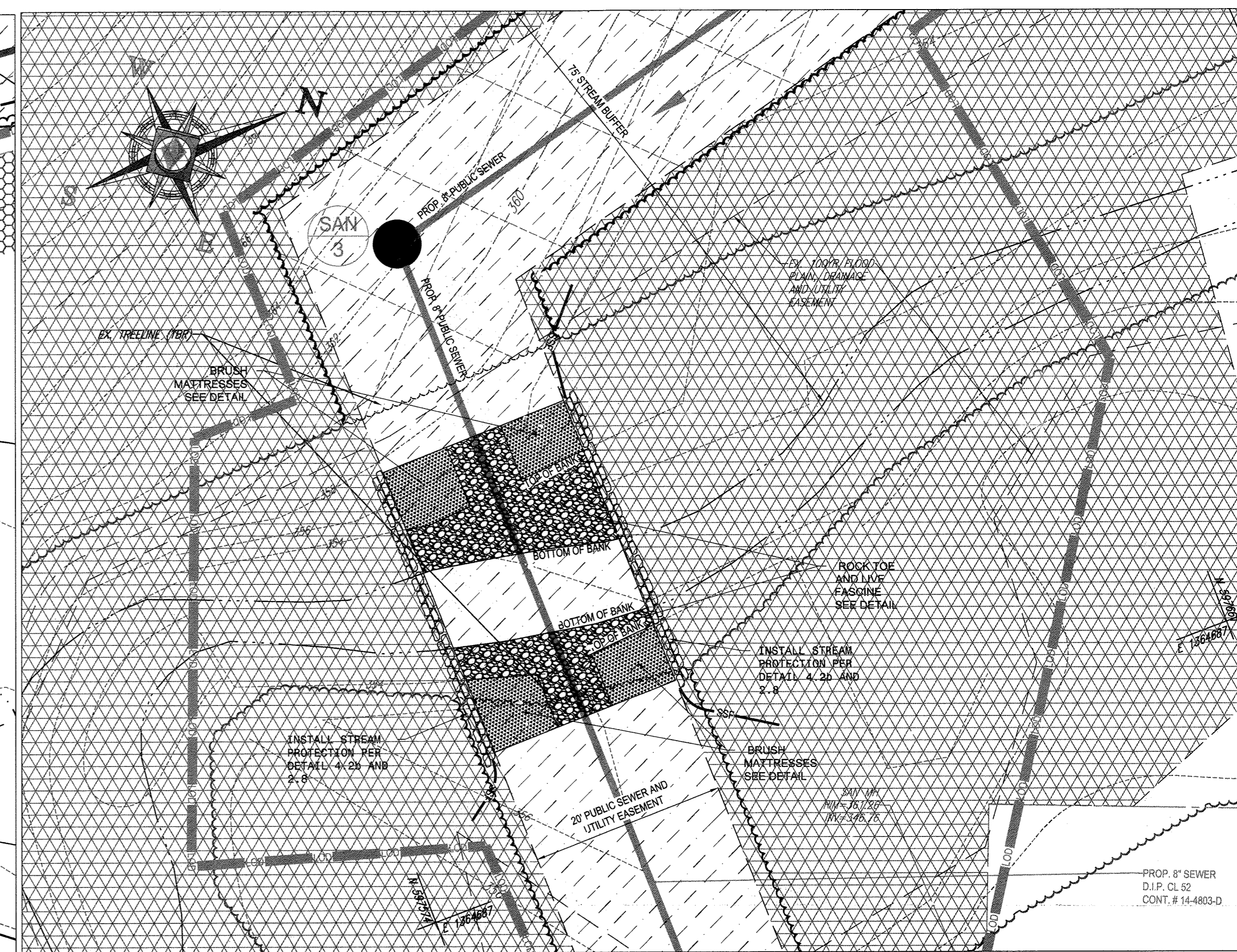
- ACTIVITIES WITHIN STREAM CHANNELS ARE PROHIBITED AS DETERMINED BY THIS CLASSIFICATION OF STREAM (COMAR 26.08.02.08) PATAPSCO RIVER AREA - 02130900 IS A USE 1 WATERWAY. IN-STREAM WORK MAY NOT BE CONDUCTED FROM MARCH 1 THROUGH JUNE 15 INCLUSIVE, OF ANY YEAR. REFER TO MD'S LETTER OF AUTHORIZATION PERTAINING TO THIS CROSSING FOR ADDITIONAL DETAILS AND INFORMATION.
- OBTAIN GRADING PERMIT.
- ONCE ALL PERMITS ARE IN HAND SCHEDULE MEETING IN THE FIELD WITH THE SEDIMENT CONTROL INSPECTOR. - 1 DAY
- INSTALL STABILIZED CONSTRUCTION ENTRANCE - 1 DAY
- INSTALL SILT FENCE AND OTHER EROSION AND SEDIMENT CONTROL MEASURES. - 2 DAYS
- INSTALL SUPER SILT FENCE PARALLEL TO THE STREAM BANKS AS SHOWN. - 1 DAY
- INSTALL PUMP AROUND PRACTICE PER DETAIL MGWC 1.2 - 2 DAYS
- INSTALL 8" WATER MAIN PIPE. CONSTRUCT ENOUGH FOR ONE DAY'S WORK, INCLUDING BACKFILL AND STABILIZING AREA DISTURBED. STABILIZE STREAM BOTTOM PER OPTION #2 OF DETAIL MGWC 4.2(b). - 1 WEEK
- INSTALL FOOT BRIDGE. 1 WEEK
- STABILIZE SLOPES UP GRADIENT OF THE STREAM BOTTOM PROTECTION WITH BRUSH MATTRESSES PER DETAIL MGWC 2.8. 2 DAYS
- SEED AND STABILIZE AREAS OUTSIDE OF THE STREAM BANKS PER "STANDARDS SPECIFICATIONS FOR VEGETATIVE STABILIZATION". - 2 DAYS
- REMOVE TEMPORARY PUMP AROUND PRACTICE. - 1 DAY
- ONCE SEDIMENT CONTROL INSPECTOR'S SATISFIED THAT THE DISTURBED AREAS HAVE BEEN STABILIZED REMOVE SEDIMENT CONTROL. - 3 DAYS



EXPLODED VIEW
SCALE: 1"=10'

SEQUENCE OF CONSTRUCTION

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- OBTAIN GRADING PERMIT.
- ONCE ALL PERMITS ARE IN HAND SCHEDULE MEETING IN THE FIELD WITH THE SEDIMENT CONTROL INSPECTOR. - 1 DAY
- INSTALL STABILIZED CONSTRUCTION ENTRANCE - 1 DAY
- INSTALL SILT FENCE AND OTHER EROSION AND SEDIMENT CONTROL MEASURES. - 2 DAYS
- INSTALL SUPER SILT FENCE PARALLEL TO THE STREAM BANKS AS SHOWN. - 1 DAY
- INSTALL PUMP AROUND PRACTICE PER DETAIL MGWC 1.2 - 2 DAYS
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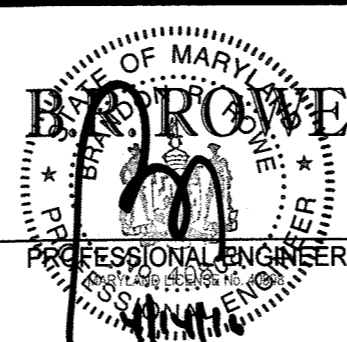


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- OBTAIN GRADING PERMIT.
- ONCE ALL PERMITS ARE IN HAND SCHEDULE MEETING IN THE FIELD WITH THE SEDIMENT CONTROL INSPECTOR. - 1 DAY
- INSTALL STABILIZED CONSTRUCTION ENTRANCE - 1 DAY
- INSTALL SILT FENCE AND OTHER EROSION AND SEDIMENT CONTROL MEASURES. - 1 WEEK
- INSTALL SUPER SILT FENCE PARALLEL TO THE STREAM BANKS AS SHOWN. - 3 DAYS
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PROFESSIONAL CERTIFICATION
I, BRANDON R. ROWE, 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. 40808, EXPIRATION DATE: 7/22/2017



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

DES. J.A.					
DRN. R.L.B.					
CHK. B.R.R.	2	4/13/16	REDLINE REVISION - PHASED PLAN	BRR	
	1	10/21/15	REDLINE REVISION - LOT ADJUSTMENT	BRR	
DATE: 2/12/16	REV.	DATE	DESCRIPTION	BY	

PHASE I STREAM CROSSING DETAILS	
PARCEL NO.	N/A
600' SCALE MAP NO.	17
BLOCK NO.	

ESTATES AT PATAPSCO PARK
ROGERS AVENUE
BUILDABLE LOTS 203 - 248 & 373 - 385 (W&S)
BUILDABLE LOTS 321 - 337 (SAN, ONLY)
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO.: 14-4803-D

SCALE: SHEET 16 OF 16

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
CHIEF, BUREAU OF UTILITIES
DATE: 4/20/16

DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND
CHIEF, DEVELOPMENT ENGINEERING DIVISION
DATE: 5.12.16

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