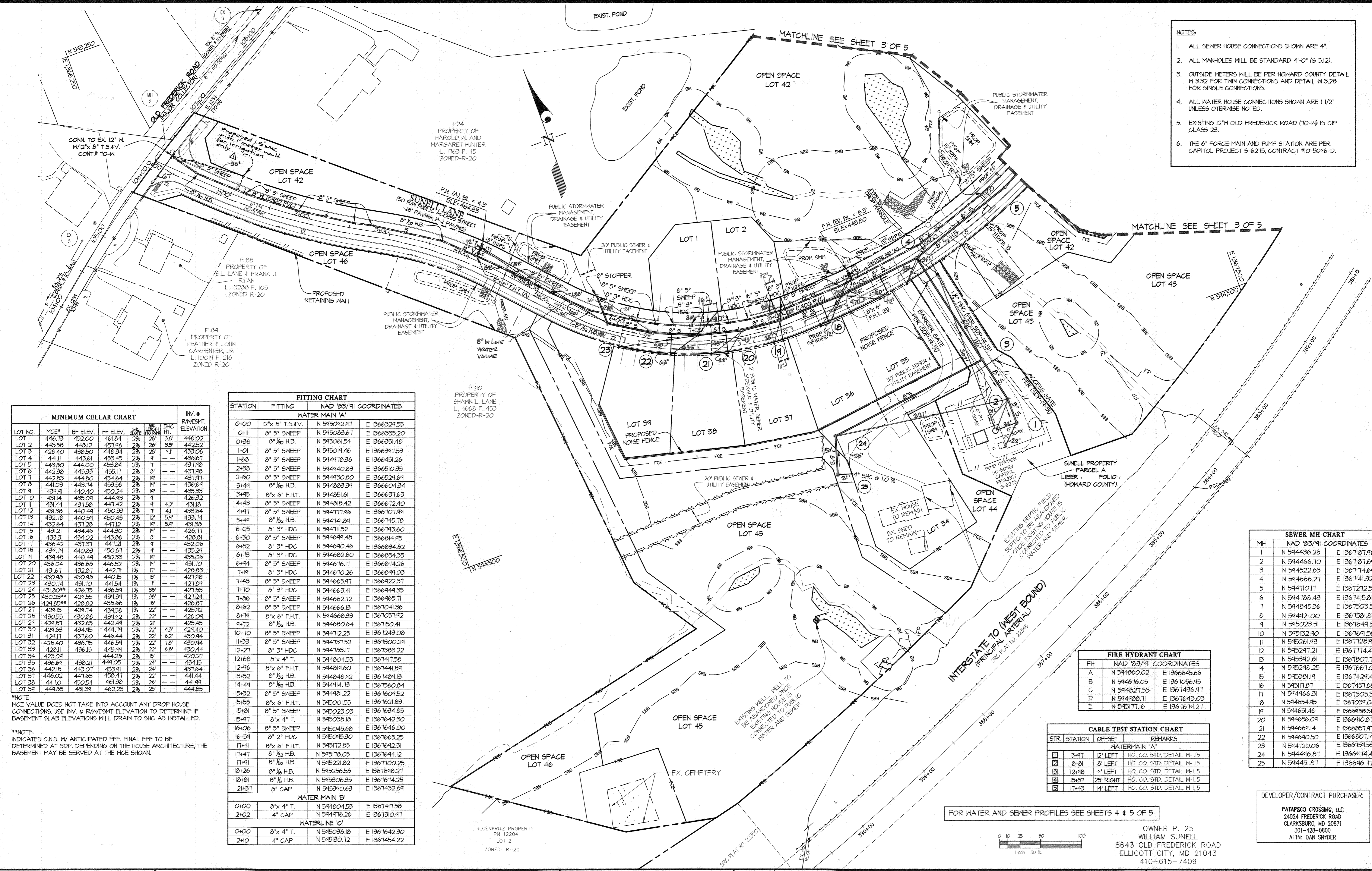


- NOTES:
1. ALL SEWER HOUSE CONNECTIONS SHOWN ARE 4".
 2. ALL MANHOLES WILL BE STANDARD 4'-0" (6 5/12).
 3. OUTSIDE METERS WILL BE PER HOWARD COUNTY DETAIL W 3.32 FOR TWIN CONNECTIONS AND DETAIL W 3.28 FOR SINGLE CONNECTIONS.
 4. ALL WATER HOUSE CONNECTIONS SHOWN ARE 1/2" UNLESS OTHERWISE NOTED.
 5. EXISTING 12" W OLD FREDERICK ROAD (TO-W) IS CIP CLASS 23.
 6. THE 6" FORCE MAIN AND PUMP STATION ARE PER CAPITOL PROJECT 5-6275, CONTRACT #10-5046-D.



MINIMUM CELLAR CHART							INV. #
LOT NO.	MCE*	BF ELEV.	FF ELEV.	SG	FINISH	DHC	R/VEHMT.
LOT 1	446.73	452.00	461.84	2%	2'	3.0'	446.02
LOT 2	443.58	448.12	457.96	2%	2'	3.5'	442.52
LOT 3	428.40	438.50	448.34	2%	2'	4.1'	433.06
LOT 4	441.11	443.61	453.45	2%	4'	---	436.67
LOT 5	443.80	444.00	453.84	2%	7'	---	437.88
LOT 6	442.38	445.33	455.17	2%	0'	---	437.98
LOT 7	442.83	444.80	454.64	2%	1'	---	437.91
LOT 8	441.03	443.14	453.58	2%	1'	---	436.64
LOT 9	434.91	440.40	450.24	2%	1'	---	435.33
LOT 10	431.14	435.04	444.93	2%	4'	---	426.32
LOT 11	431.44	437.58	447.42	2%	4'	4.2'	431.18
LOT 12	431.38	440.44	450.38	2%	1'	4.1'	433.64
LOT 13	432.78	440.54	450.43	2%	12'	5.4'	433.74
LOT 14	432.64	437.28	447.12	2%	1'	5.4'	431.38
LOT 15	431.21	434.46	444.30	2%	1'	---	426.77
LOT 16	433.31	434.02	443.86	2%	0'	---	428.81
LOT 17	436.42	437.37	447.21	2%	4'	---	432.06
LOT 18	434.74	440.83	450.67	2%	4'	---	435.24
LOT 19	434.48	440.44	450.39	2%	1'	---	435.06
LOT 20	436.04	436.68	446.52	2%	1'	---	431.70
LOT 21	431.67	432.87	442.71	1%	1'	---	428.83
LOT 22	430.98	430.98	440.15	1%	0'	---	427.98
LOT 23	430.74	431.70	441.54	1%	7'	---	427.84
LOT 24	431.80**	426.75	436.59	1%	38'	---	427.83
LOT 25	430.23**	424.55	434.34	1%	38'	---	427.24
LOT 26	424.85**	428.82	438.66	1%	0'	---	426.87
LOT 27	424.13	424.14	434.58	1%	22'	---	425.92
LOT 28	430.55	430.88	434.92	2%	22'	---	426.04
LOT 29	424.87	432.65	442.49	2%	21'	---	425.45
LOT 30	424.63	434.45	444.74	2%	22'	4.3'	424.40
LOT 31	424.17	431.60	446.44	2%	22'	6.2'	430.94
LOT 32	428.40	436.75	446.54	2%	22'	7.8'	430.94
LOT 33	428.11	436.15	445.94	2%	22'	6.8'	430.44
LOT 34	423.04	444.28	444.28	2%	15'	---	420.27
LOT 35	436.64	438.21	444.05	2%	24'	---	434.15
LOT 36	442.18	443.07	453.91	2%	24'	---	437.64
LOT 37	446.02	447.63	458.47	2%	22'	---	441.44
LOT 38	447.01	450.54	461.38	2%	26'	---	441.91
LOT 39	444.85	451.34	462.23	2%	25'	---	444.85

FITTING CHART			
STATION	FITTING	NAD '83/'91 COORDINATES	
WATER MAIN 'A'			
0+00	12"x 8" T.S. & V.	N 545092.97 E 1366324.55	
0+11	8" 5" SWEEP	N 545083.67 E 1366335.20	
0+38	8" 1/2" H.B.	N 545061.54 E 1366351.48	
1+01	8" 5" SWEEP	N 545019.46 E 1366347.53	
1+68	8" 5" SWEEP	N 544478.36 E 1366451.26	
2+38	8" 5" SWEEP	N 544440.83 E 1366510.35	
2+60	8" 5" SWEEP	N 544430.80 E 1366529.64	
3+44	8" 1/2" H.B.	N 544883.34 E 1366604.34	
3+45	8"x 6" F.H.T.	N 544851.61 E 1366637.63	
4+43	8" 5" SWEEP	N 544818.42 E 1366672.40	
4+97	8" 5" SWEEP	N 544771.96 E 1366707.94	
5+44	8" 1/2" H.B.	N 544741.84 E 1366745.78	
6+05	8" 3" HDC	N 544711.52 E 1366793.60	
6+30	8" 5" SWEEP	N 544694.48 E 1366814.95	
6+52	8" 3" HDC	N 544690.46 E 1366834.82	
6+73	8" 3" HDC	N 544682.80 E 1366854.35	
6+94	8" 5" SWEEP	N 544676.17 E 1366874.26	
7+19	8" 3" HDC	N 544670.26 E 1366894.03	
7+43	8" 5" SWEEP	N 544665.97 E 1366922.37	
7+70	8" 3" HDC	N 544663.41 E 1366944.35	
7+86	8" 5" SWEEP	N 544662.72 E 1366965.71	
8+62	8" 5" SWEEP	N 544666.13 E 1367041.36	
8+74	8"x 6" F.H.T.	N 544668.33 E 1367057.42	
9+72	8" 1/2" H.B.	N 544680.64 E 1367150.41	
10+70	8" 5" SWEEP	N 544712.25 E 1367243.08	
11+33	8" 5" SWEEP	N 544737.52 E 1367300.24	
12+27	8" 3" HDC	N 544783.17 E 1367388.22	
12+68	8"x 4" T.	N 544804.53 E 1367417.58	
12+96	8"x 6" F.H.T.	N 544819.60 E 1367444.84	
13+52	8" 1/2" H.B.	N 544848.42 E 1367484.13	
14+44	8" 1/2" H.B.	N 544914.73 E 1367560.84	
15+32	8" 5" SWEEP	N 544981.22 E 1367604.52	
15+55	8"x 6" F.H.T.	N 545001.55 E 1367621.83	
15+81	8" 5" SWEEP	N 545023.03 E 1367634.85	
15+97	8"x 4" T.	N 545038.18 E 1367642.30	
16+06	8" 5" SWEEP	N 545045.88 E 1367646.00	
16+54	8" 2" HDC	N 545095.30 E 1367665.25	
17+41	8"x 6" F.H.T.	N 545172.85 E 1367692.31	
17+47	8" 1/2" H.B.	N 545178.05 E 1367694.12	
17+91	8" 1/2" H.B.	N 545221.82 E 1367700.25	
18+26	8" 1/2" H.B.	N 545256.58 E 1367698.27	
18+81	8" 1/2" H.B.	N 545306.35 E 1367674.25	
21+37	8" CAP	N 545340.63 E 1367432.64	
WATER MAIN 'B'			
0+00	8"x 4" T.	N 544804.53 E 1367417.58	
2+02	4" CAP	N 544476.26 E 1367310.97	
WATERLINE 'C'			
0+00	8"x 4" T.	N 544804.53 E 1367417.58	
2+10	4" CAP	N 545130.72 E 1367454.22	

NOTE: MCE VALUE DOES NOT TAKE INTO ACCOUNT ANY DROP HOUSE CONNECTIONS. USE INV. # R/VEHMT ELEVATION TO DETERMINE IF BASEMENT SLAB ELEVATIONS WILL DRAIN TO SHC AS INSTALLED.

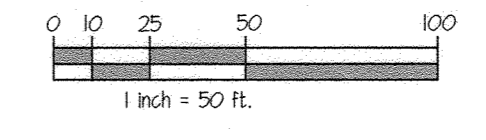
**NOTE: INDICATES C.N.S. W/ ANTICIPATED FFE. FINAL FFE TO BE DETERMINED AT SDP. DEPENDING ON THE HOUSE ARCHITECTURE, THE BASEMENT MAY BE SERVED AT THE MCE SHOWN.

FIRE HYDRANT CHART		
FH	NAD '83/'91 COORDINATES	
A	N 544860.02 E 1366645.66	
B	N 544676.05 E 1367056.95	
C	N 544827.53 E 1367436.97	
D	N 544488.71 E 1367643.03	
E	N 545171.16 E 1367674.27	

CABLE TEST STATION CHART			
STR.	STATION	OFFSET	REMARKS
WATERMAIN "A"			
1	3+47	12' LEFT	HO. CO. STD. DETAIL W-115
2	8+81	8' LEFT	HO. CO. STD. DETAIL W-115
3	12+98	4' LEFT	HO. CO. STD. DETAIL W-115
4	15+57	25' RIGHT	HO. CO. STD. DETAIL W-115
5	17+43	14' LEFT	HO. CO. STD. DETAIL W-115

SEWER MH CHART		
MH	NAD '83/'91 COORDINATES	
1	N 544436.26 E 1367187.46	
2	N 544466.70 E 1367187.64	
3	N 544522.63 E 1367114.64	
4	N 544666.27 E 1367141.32	
5	N 544710.17 E 1367127.52	
6	N 544788.43 E 1367415.81	
7	N 544845.36 E 1367503.58	
8	N 544921.00 E 1367581.80	
9	N 545023.51 E 1367644.35	
10	N 545132.90 E 1367641.58	
11	N 545261.93 E 1367728.43	
12	N 545297.21 E 1367774.44	
13	N 545392.61 E 1367807.73	
14	N 545295.25 E 1367667.07	
15	N 545381.19 E 1367424.40	
16	N 545117.87 E 1367457.66	
17	N 544466.31 E 1367305.38	
18	N 544654.95 E 1367039.06	
19	N 544651.48 E 1366958.31	
20	N 544656.04 E 1366910.87	
21	N 544664.14 E 1366851.97	
22	N 544640.50 E 1366807.14	
23	N 544720.06 E 1366759.53	
24	N 544496.87 E 1366694.46	
25	N 544451.87 E 1366646.17	

DEVELOPER/CONTRACT PURCHASER:
PATAPSCO CROSSING, LLC
 24024 FREDERICK ROAD
 CLARKSBURG, MD 20871
 301-428-0800
 ATTN: DAN SNYDER



FOR WATER AND SEWER PROFILES SEE SHEETS 4 & 5 OF 5

OWNER P. 25
 WILLIAM SUNELL
 8643 OLD FREDERICK ROAD
 ELLICOTT CITY, MD 21043
 410-615-7409

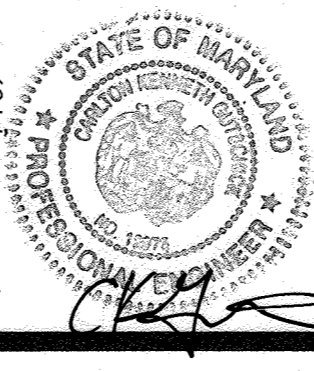
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 5-29-19

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 DATE: 6.19.19

GLW
 PLANNING | ENGINEERING | SURVEYING
 3808 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20886 | GLWPA.COM
 PHONE: 301-421-4024 | BALT: 410-880-1820 | DCRA: 301-989-2524 | FAX: 301-421-4188

DESIGNED BY: Wsj
 DRAWN BY: Wsj
 CHECKED BY: DDS

DATE: MAY, 2019
 G.L.W. No. 11014
 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. 12975
 EXP. DATE: MAY 26, 2020
 5/15/19

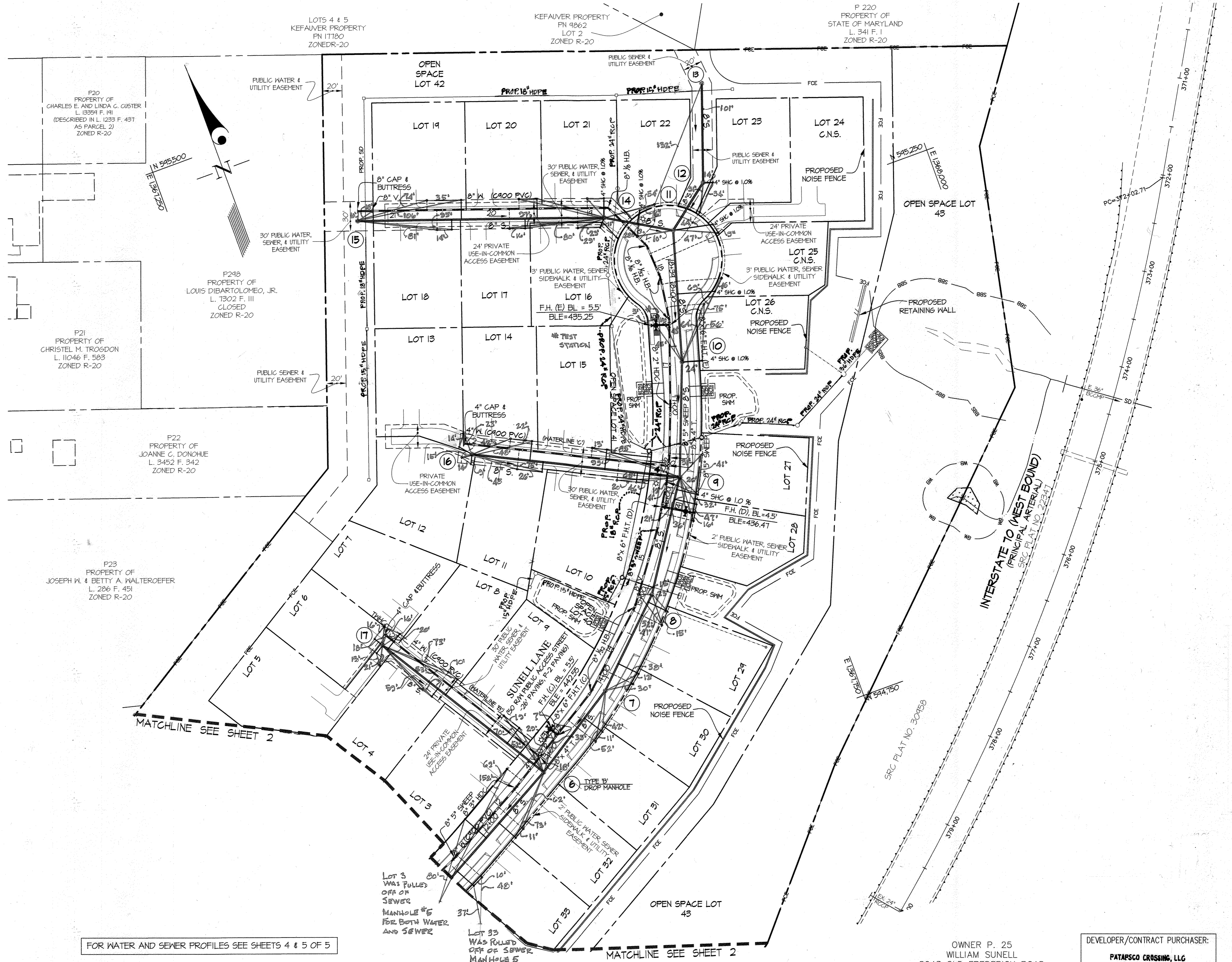


BY	NO	REVISION	DATE
Wsj	1	Added 1.5' whc to open space Lot 42 for irrigation	7/13/2020

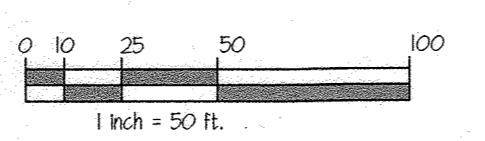
WATER & SEWER EXTENSION PLAN
 600' SCALE MAP NO. 18 BLOCK NO. 13

SCALE: 1"=50'
 SHEET: 2 OF 5

- NOTES:
1. ALL SEWER HOUSE CONNECTIONS SHOWN ARE 4".
 2. ALL MANHOLES WILL BE STANDARD 4'-0" (6 5/12).
 3. OUTSIDE METERS WILL BE PER HOWARD COUNTY DETAIL W 3.32 FOR TWIN CONNECTIONS AND DETAIL W 3.28 FOR SINGLE CONNECTIONS.
 4. ALL WATER HOUSE CONNECTIONS SHOWN ARE 1 1/2" UNLESS OTHERWISE NOTED.
 5. EXISTING 12" W OLD FREDERICK ROAD (10-W) IS CIP CLASS 23.
 6. THE 6" FORCE MAIN AND PUMP STATION ARE PER CAPITOL PROJECT 5-6275, CONTRACT #10-5046-D).



FOR WATER AND SEWER PROFILES SEE SHEETS 4 & 5 OF 5



OWNER P. 25
WILLIAM SUNELL
8643 OLD FREDERICK ROAD
ELLCOTT CITY, MD 21043
410-615-7409

DEVELOPER/CONTRACT PURCHASER:
PATAPSCO CROSSING, LLC
24024 FREDERICK ROAD
CLARKSBURG, MD 20871
301-428-0800
ATTN: DAN SNYDER

L:\CAROL\DRAWINGS\PROJECTS\148 BY GUNWIT - SEWER CHINA VILLAGE PLANS.dwg
 PLOTTED: 5/13/2019 8:59 AM, LAST SAVED: 5/7/2019 11:03 AM, PLOTTED BY: Wymond_Joyne

DEPARTMENT OF
PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature]
5-29-19
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF
PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature]
M6
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

GLW
PLANNING [ENGINEERING] SURVEYING

3800 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20886 | GLWPA.COM
PHONE: 301-421-4024 | BALT: 410-890-1620 | DC&VA: 301-899-2524 | FAX: 301-421-4186

DESIGNED BY: Wsj
DRAWN BY: Wsj
CHECKED BY: DDS

DATE: MAY, 2019

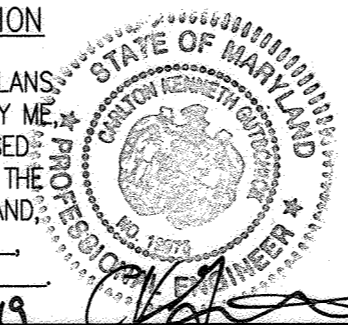
G.L.W. No. 11014

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. 12975
EXP. DATE: MAY 26, 2020

[Signature]
5/15/19



BY	NO	REVISION	DATE

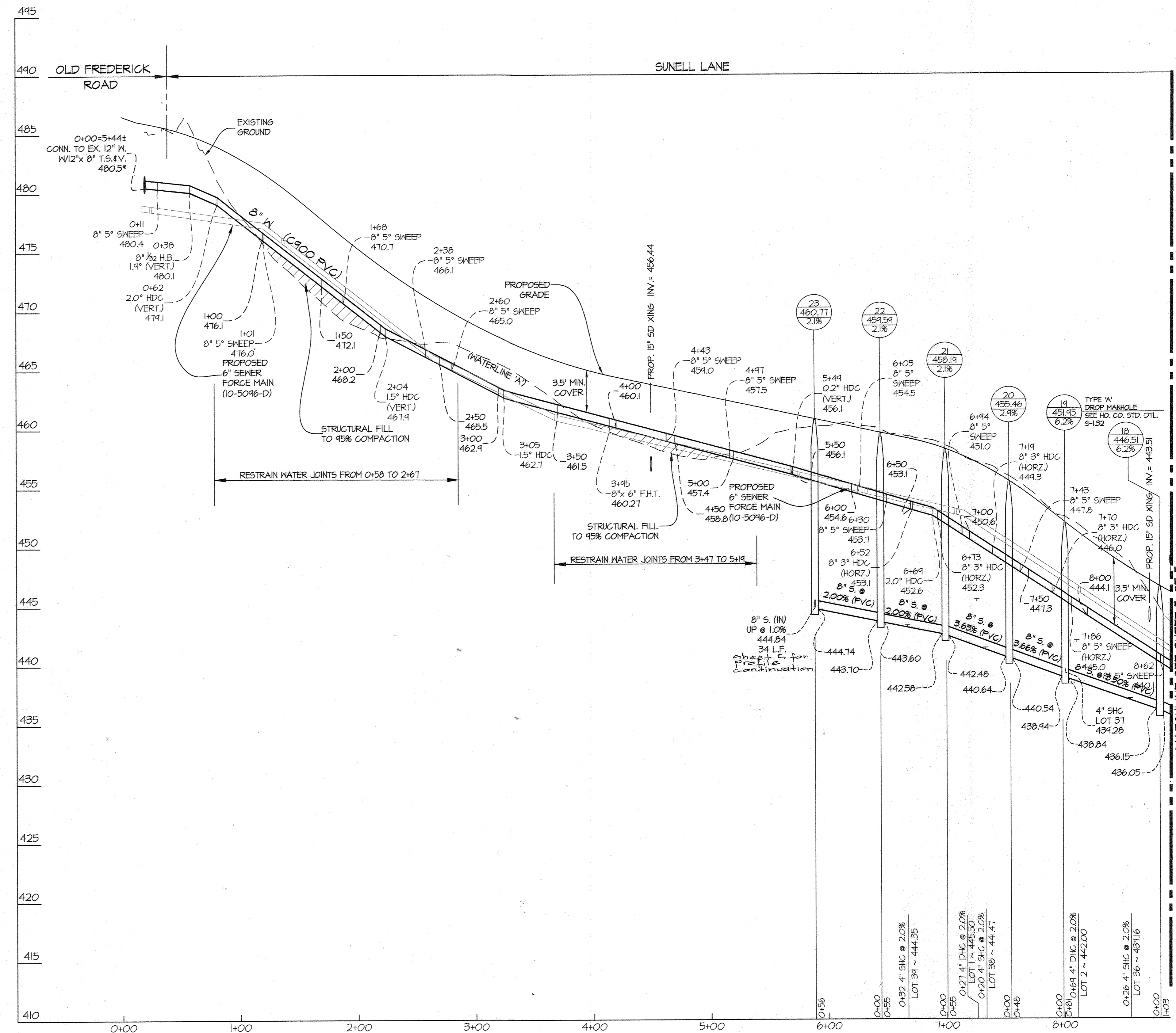
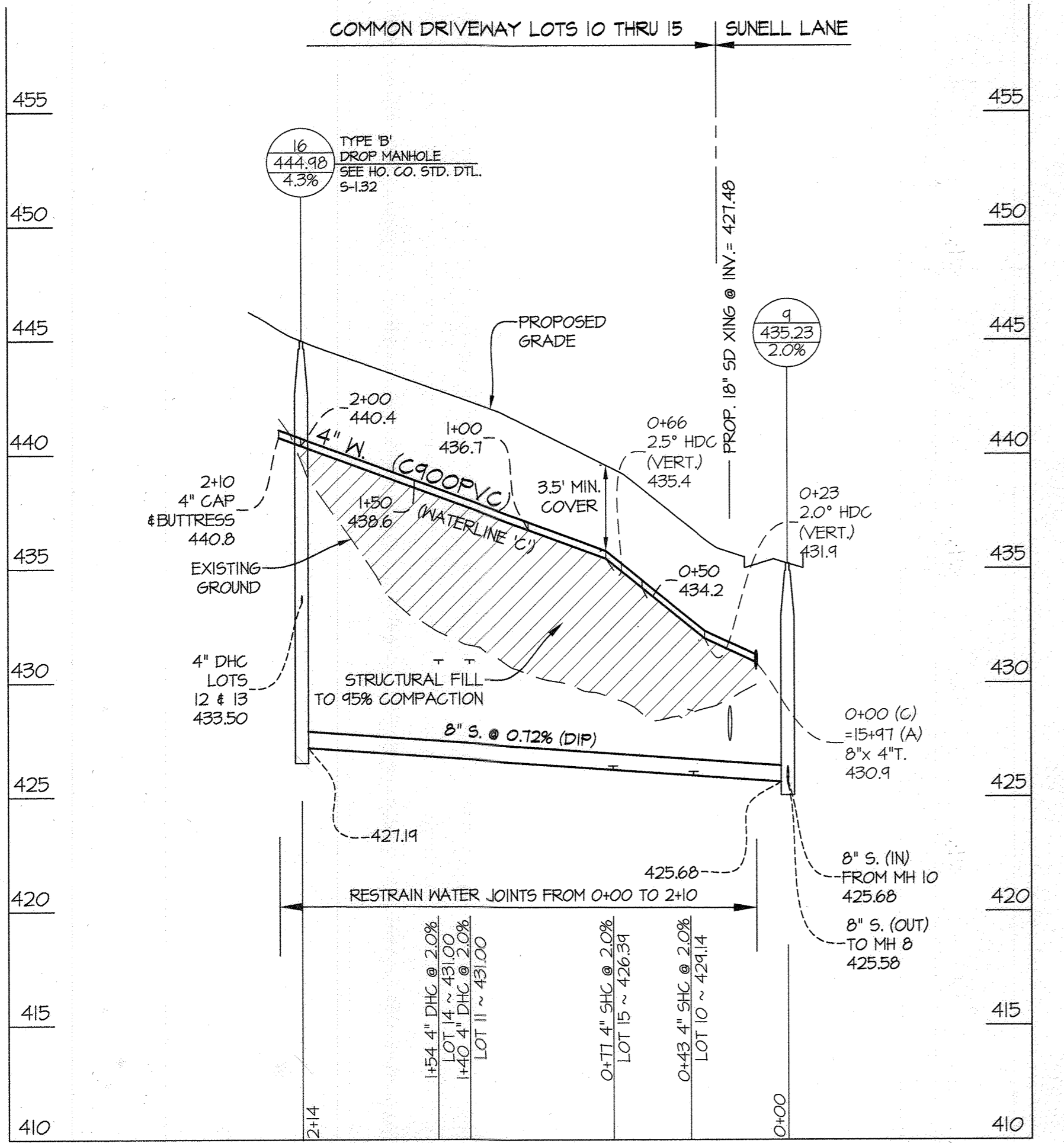
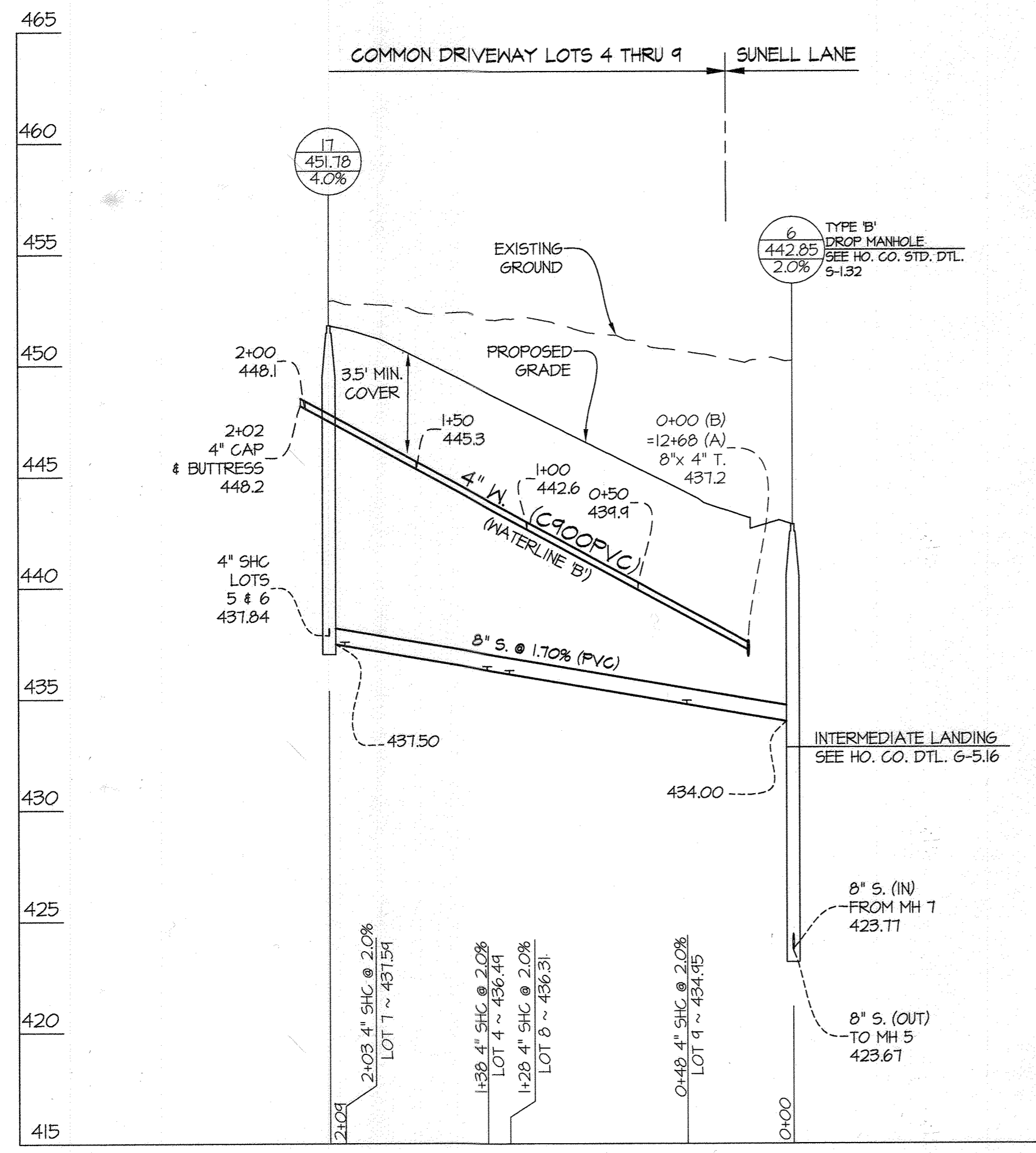
WATER & SEWER EXTENSION PLAN

600' SCALE MAP NO. 18 BLOCK NO. 13

PATAPSCO CROSSING
CONTRACT No. 14-4879-D
PATAPSCO CROSSING
LOTS 1-39 & OPEN SPACE LOTS 40-46
A SUBDIVISION OF PARCEL 25
Liber 18476 Folio 223
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 2

SCALE
1"=50'

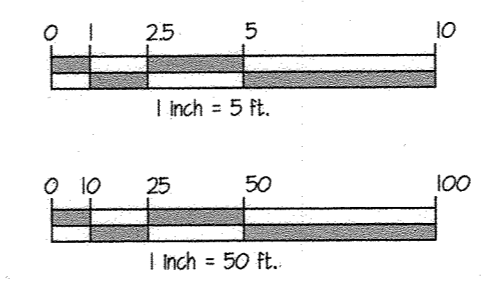
SHEET
3 OF 5



*PER CONTRACT 10-M,
CONTRACTOR TO
VERIFY PRIOR TO
CONSTRUCTION.

FOR WATER & SEWER PLAN VIEW SEE SHEETS 2 & 3

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



DEVELOPER/CONTRACT PURCHASER:
PATAPSCO CROSSING, LLC
24024 FREDERICK ROAD
CLARKSBURG, MD 20871
301-428-0800
ATTN: DAN SNYDER

L1: S:\2019\14-4879-D\14-4879-D.dwg, PLOTTED: 5/13/2019 10:32 AM, LAST SAVED: 5/13/2019 10:34 AM, PLOTTED BY: Waymond Joyner

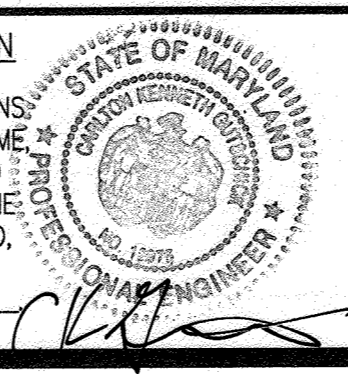
DEPARTMENT OF
PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF
PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

GLW
PLANNING | ENGINEERING | SURVEYING
3800 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20886 | GLWP.COM
PHONE: 301-421-4024 | BALT: 410-980-1820 | DC&VA: 301-988-2524 | FAX: 301-421-4168

DESIGNED BY: Wsj
DRAWN BY: Wsj
CHECKED BY: DDS
DATE: MAY, 2019
G.L.W. No. 11014

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. 12975
EXP. DATE: MAY 26, 2020

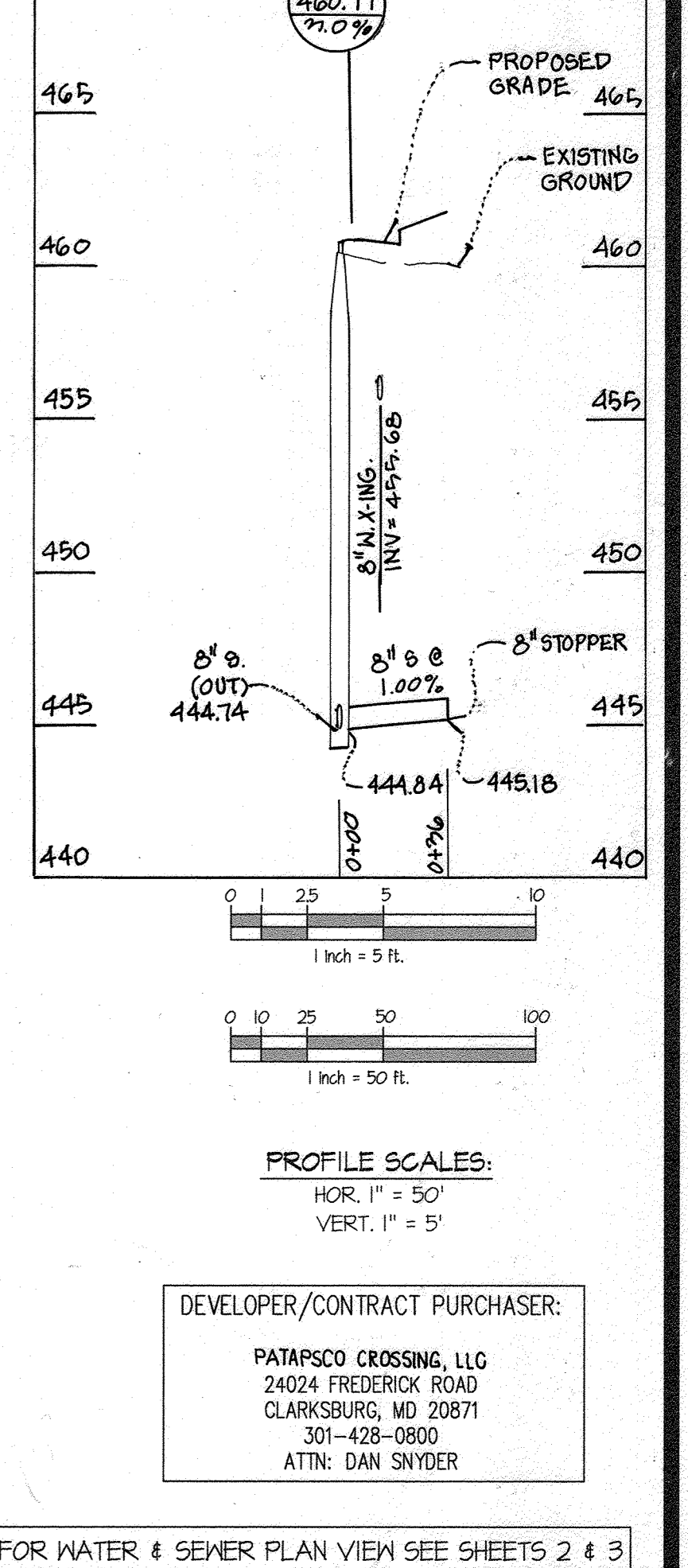
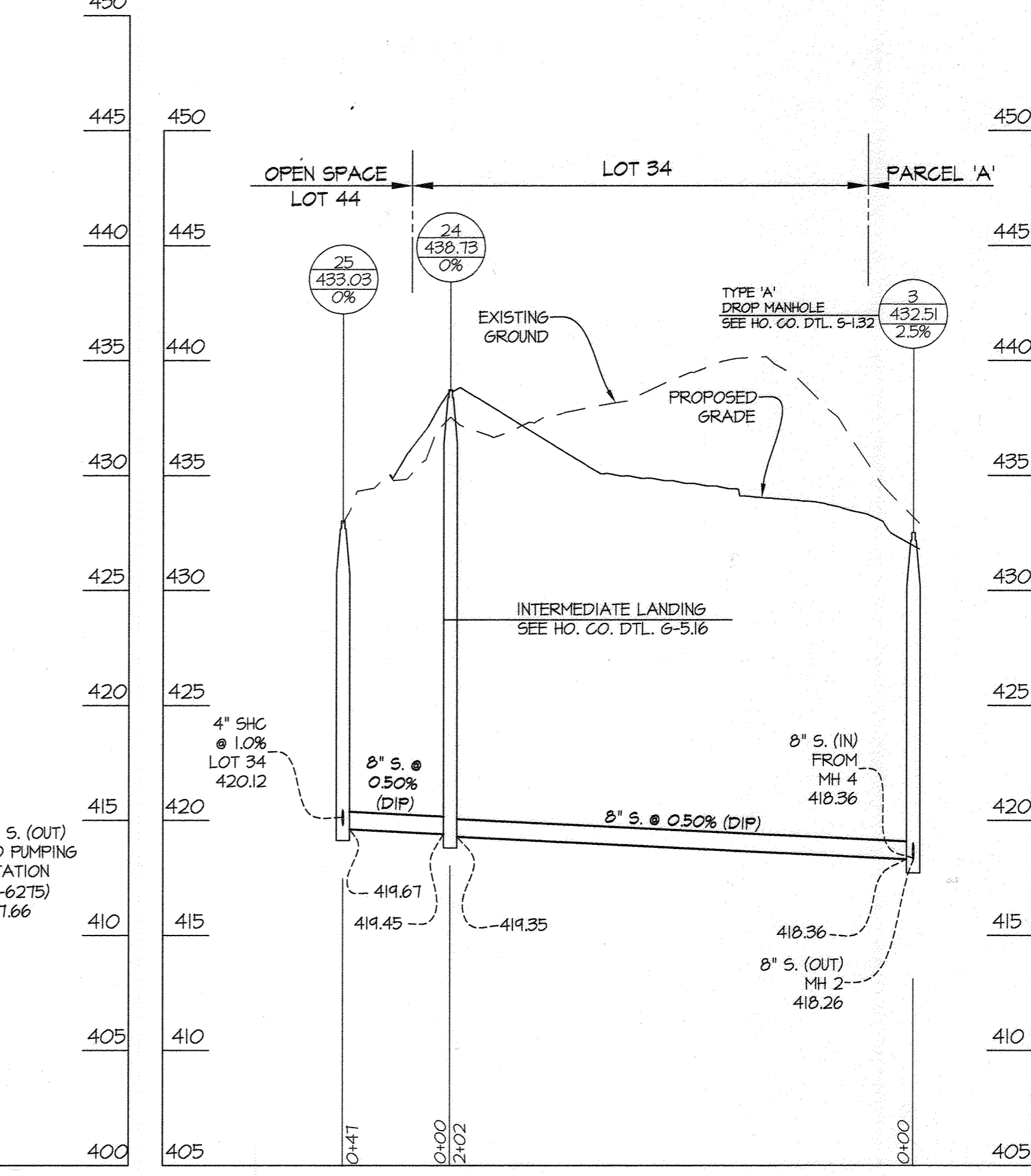
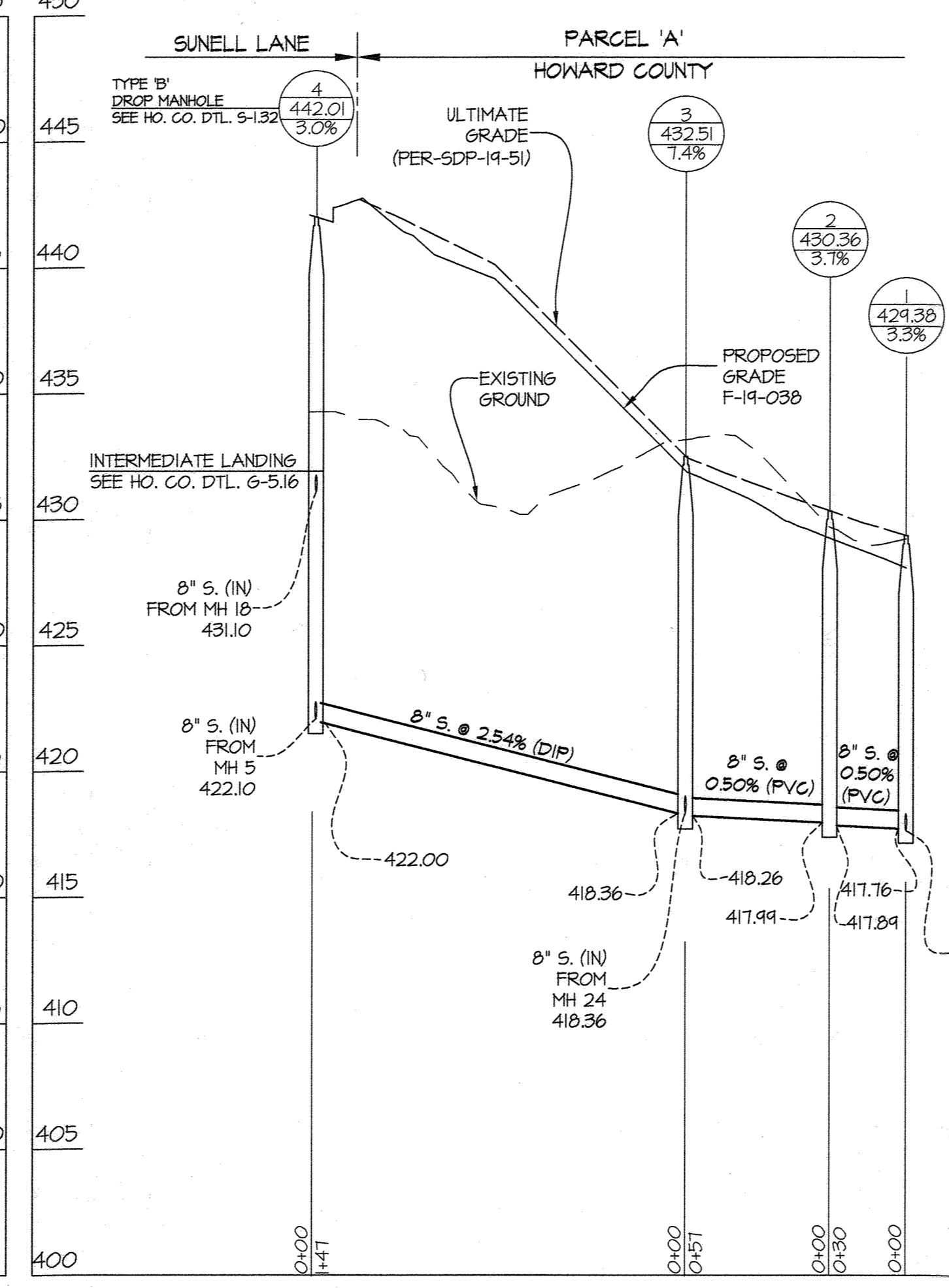
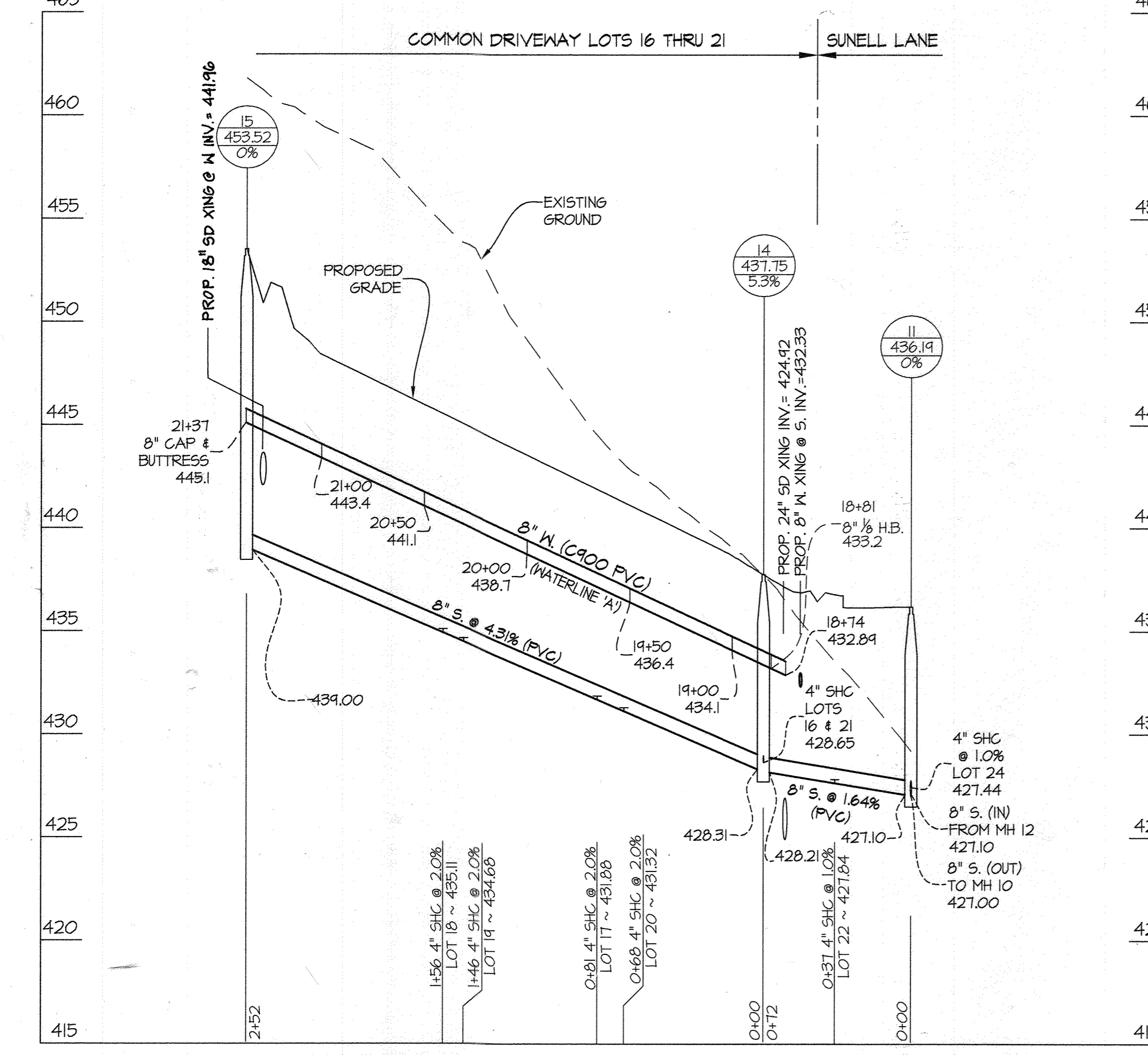
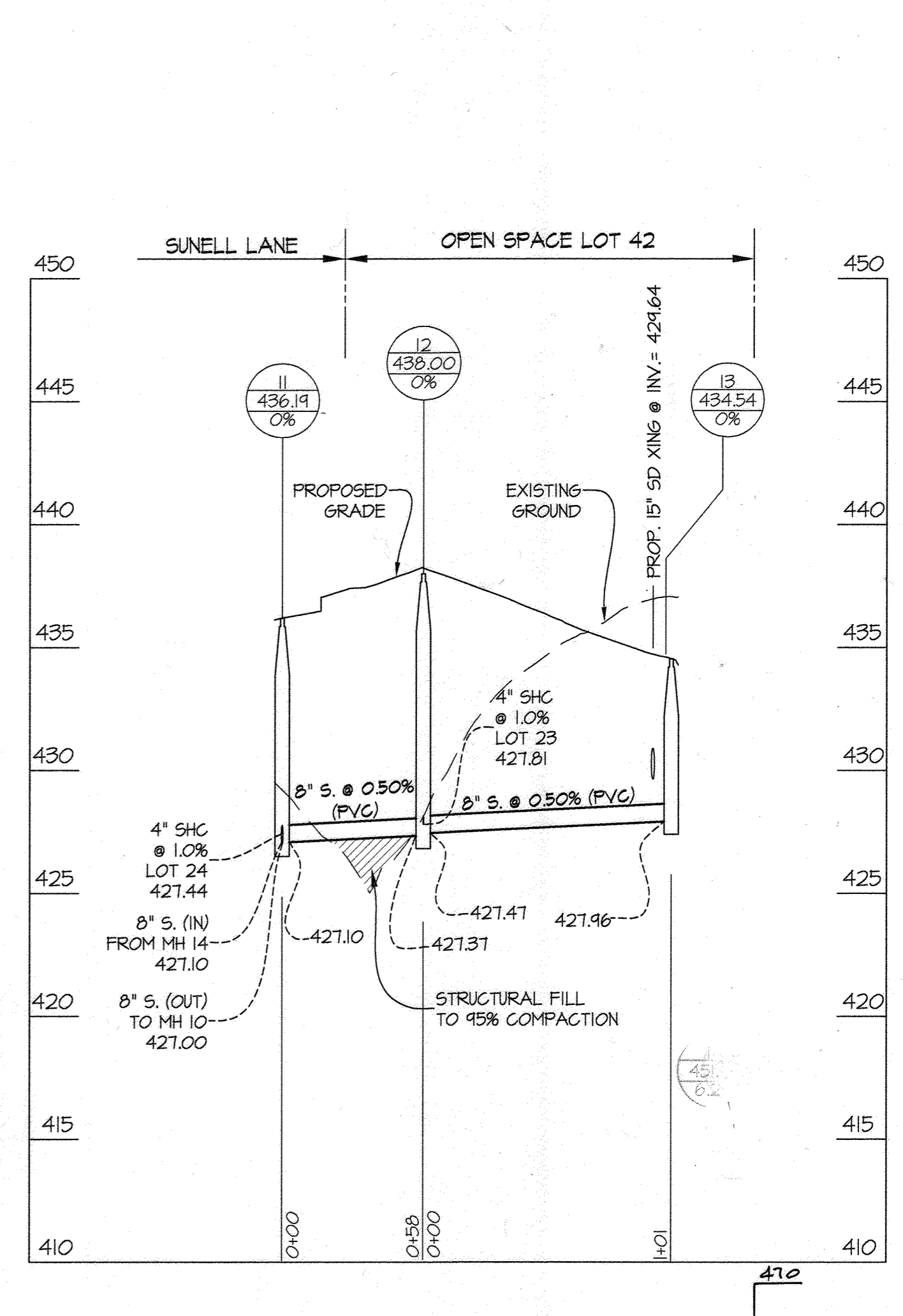
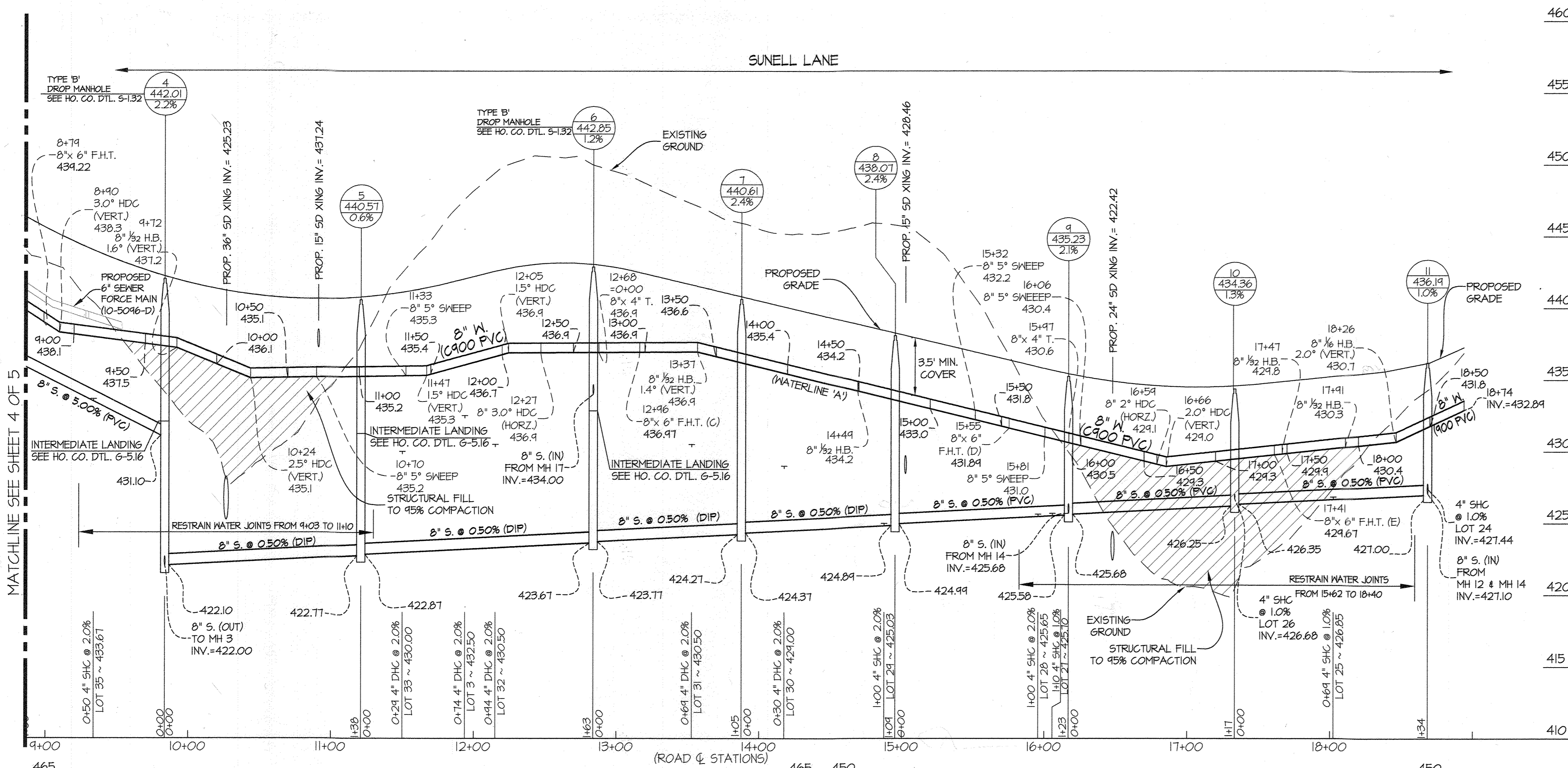


BY	NO	REVISION	DATE

WATER & SEWER PROFILES
600' SCALE MAP NO. 18 BLOCK NO. 13

PATAPSCO CROSSING
CONTRACT No. 14-4879-D
PATAPSCO CROSSING
LOTS 1-39 & OPEN SPACE LOTS 40-46
A SUBDIVISION OF PARCEL 25
Liber 18476, Folio 223
HOWARD COUNTY, MARYLAND
ELECTION DISTRICT No. 2

SCALE
AS SHOWN
SHEET
4 OF 5



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

DEVELOPER/CONTRACT PURCHASER:
 PATAPSCO CROSSING, LLC
 24024 FREDERICK ROAD
 CLARKSBURG, MD 20871
 301-428-0800
 ATTN: DAN SNYDER

FOR WATER & SEWER PLAN VIEW SEE SHEETS 2 & 3

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 5-29-19

DEPARTMENT OF PLANNING AND ZONING
 HOWARD COUNTY, MARYLAND
 DATE: 6-19-19

GLW
 PLANNING ENGINEERING SURVEYING
 3909 NATIONAL DRIVE | SUITE 250 | BURTONSVILLE, MD 20886 | GLWPA.COM
 PHONE: 301-421-0224 | BALTO: 410-680-1820 | DC&VA: 301-989-2524 | FAX: 301-421-1180

DESIGNED BY: Wsj
 DRAWN BY: Wsj
 CHECKED BY: DDS
 DATE: MAY, 2019

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. 12975
 EXP. DATE: MAY 26, 2020
 5/15/19

NO	REVISION	DATE

WATER & SEWER PROFILES
 PER 2.5
 600' SCALE MAP NO. 18 BLOCK NO. 13

PATAPSCO CROSSING
 CONTRACT No. 14-4879-D
 PATAPSCO CROSSING
 LOTS 1-39 & OPEN SPACE LOTS 40-46
 A SUBDIVISION OF PARCEL 25
 Liber 18476 Folio 223
 HOWARD COUNTY, MARYLAND
 ELECTION DISTRICT No. 2

SCALE AS SHOWN
 SHEET 5 OF 5

L:\CADD\DRAWINGS\LOT\PLANS BY GUY WATSON\SEWER\FINAL\1014-FWC-PROFILES.dwg
 PLOTTED: 5/13/2019 4:14 PM. LAST SAVED: 5/13/2019 10:54 AM. PLOTTED BY: Waymond Johnson