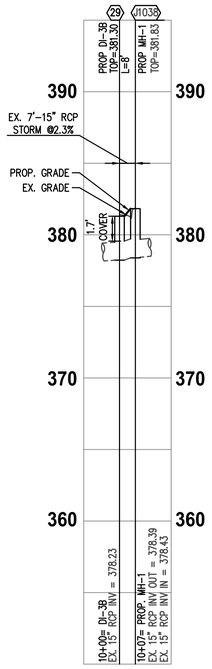
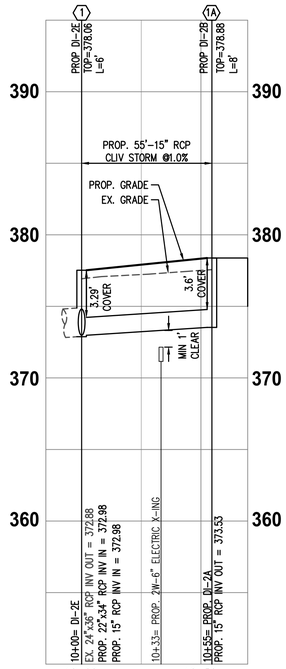
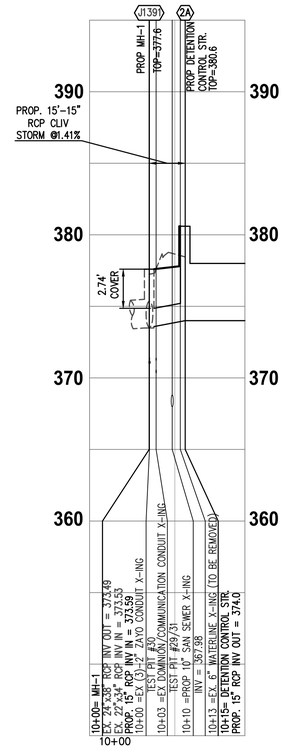


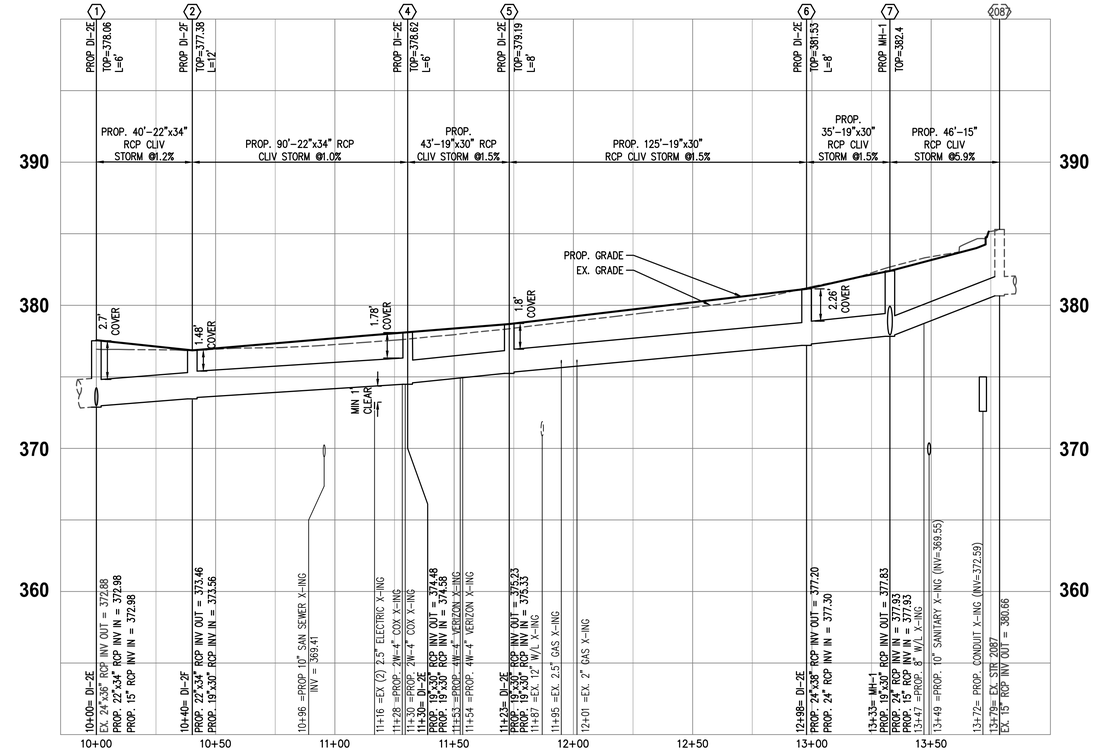
EXISTING STORM SEWER
HAYCOCK RD (STR #29 TO #J1038)



PROPOSED STORM SEWER
HAYCOCK RD (STR #1 TO #1A)



PROPOSED STORM SEWER HAYCOCK
RD (STR #2 TO STR J1391)



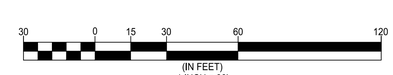
PROPOSED STORM SEWER HAYCOCK RD (STR #1 TO EX. #2087)

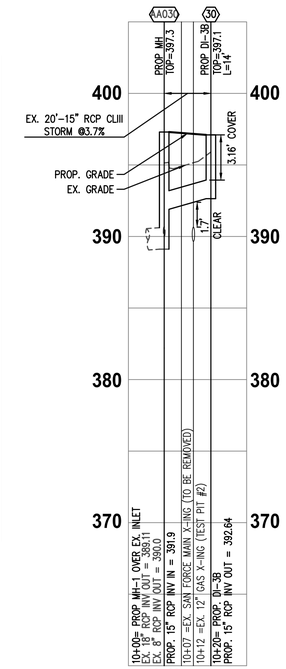
STORM SEWER DESIGN COMPUTATIONS

FROM POINT	TO POINT	AREA "A" ACRES	CURVE NUMBER CN	RUNOFF Q INCRE-MENT C.F.S.	RUNOFF Q10 C.F.S.	INVERT ELEV'S UPPER END	INVERT ELEV'S LOWER END	LENGTH FT.	SLOPE FT./FT.	MANNING'S 'n'	DIA. IN.	CAPA-CITY C.F.S.	VEL. F.P.S.	FLOW TIME SEC.	NORMAL DEPTH IN.
1A	1	0.18	98	1.20	1.20	373.53	372.98	55	0.0100	0.013	15	6.43	4.03	13.65	4.37
2078	7	2.49	96	5.95	5.95	380.66	377.93	46	0.0593	0.013	15	15.67	11.95	3.85	6.38
7	6	0.00	-	0.00	23.85	377.83	377.30	35	0.0151	0.013	24	27.76	9.98	3.51	17.07
6	5	0.16	94	1.03	24.88	377.20	375.33	125	0.0150	0.013	24	27.59	9.99	12.51	17.75
5	4	0.16	97	1.06	25.94	375.23	374.58	43	0.0151	0.013	24	27.73	10.08	4.26	18.32
4	2	0.05	96	0.33	26.27	374.48	373.56	90	0.0102	0.013	27	31.23	8.84	10.18	18.89
2	1	0.22	98	1.47	27.74	373.46	372.98	40	0.0120	0.013	27	33.84	9.54	4.19	18.53
1	J1400	0.08	98	0.53	45.69	372.88	371.25	69	0.0236	0.013	30	62.91	14.03	4.92	18.90
2A	J1391	2.18	95	4.38	4.38	374.00	373.59	29	0.0141	0.013	15	7.65	6.48	4.48	8.10
17	15	0.23	97	1.52	1.52	389.69	387.49	44	0.0500	0.013	15	14.38	7.65	5.75	3.28
15	26A	0.00	-	0.00	7.59	386.24	385.39	17	0.0500	0.013	15	14.38	11.94	1.42	7.71
26A	26B	0.00	-	0.00	7.59	385.29	385.04	5	0.0500	0.013	15	14.38	11.94	0.42	7.71
26B	26	0.04	98	0.27	7.86	383.79	380.04	75	0.0500	0.013	15	14.38	12.04	6.23	7.87
26	3A	0.18	97	0.93	8.79	377.22	374.82	240	0.0100	0.013	18	10.46	6.67	35.98	12.56
3A	3B	0.05	98	0.33	11.58	374.72	374.44	28	0.0100	0.013	24	22.56	7.26	3.86	12.15
3B	3	0.04	98	0.27	11.84	374.34	374.05	29	0.0100	0.013	24	22.56	7.30	3.97	12.31
3	J1391	0.00	-	0.00	11.84	374.05	373.53	28	0.0186	0.013	27	42.10	9.13	3.07	9.77
J1391	J1390	0.00	-	0.00	16.22	373.49	373.13	36	0.0100	0.013	30	40.93	7.88	4.57	13.09
J1390	1	0.00	-	0.00	16.22	373.07	372.88	11	0.0173	0.013	30	53.79	9.63	1.14	11.27
11	11A	0.35	97	2.45	5.49	386.36	385.86	22	0.0227	0.013	15	9.70	8.19	2.69	8.05
11A	10	0.70	98	4.66	10.15	385.76	385.60	6	0.0267	0.013	15	10.50	9.82	0.61	11.78
10	9	0.13	97	0.86	12.55	385.50	381.50	185	0.0216	0.013	18	15.39	9.76	18.96	12.29
9	8	0.25	98	1.66	16.02	381.40	378.70	135	0.0200	0.013	24	31.90	10.21	13.23	11.99
8	7	0.29	95	1.88	17.90	378.60	377.93	33	0.0203	0.013	24	32.14	10.55	3.13	12.76
9A	9	0.14	92	0.87	0.87	384.30	383.64	33	0.0200	0.013	15	9.09	4.70	7.02	3.13
9B	9	0.71	98	0.94	0.94	381.80	381.50	18	0.0167	0.013	15	8.30	4.51	3.99	3.40
10A	10	0.24	94	1.54	1.54	387.30	386.85	22	0.0205	0.013	15	9.20	5.59	3.94	4.13
12	11	0.46	97	3.04	3.04	389.51	387.61	95	0.0200	0.013	15	9.09	6.71	14.16	5.95
16B	16A	0.47	94	0.76	0.76	395.99	395.91	8	0.0100	0.013	15	6.43	3.54	2.26	3.47
16A	16	0.52	96	3.41	4.17	394.66	390.66	200	0.0200	0.013	15	9.09			
16	15	0.29	96	1.90	6.07	389.41	387.49	96	0.0200	0.013	15	9.09			
23A	23	1.80	96	4.59	4.59	391.04	390.78	19	0.0137	0.013	15	7.52	6.47	2.94	8.42
23	MH	0.04	98	0.27	4.86	390.68	386.14	227	0.0200	0.013	15	9.09	7.57	29.97	7.76
25	24	0.10	92	0.62	0.62	390.04	389.48	28	0.0200	0.013	15	9.09	4.26	6.57	2.65
24	24A	0.07	96	0.46	1.08	389.38	388.68	41	0.0171	0.013	15	8.40	4.74	8.66	3.62
24A	BIO-12	0.00	-	0.00	1.08	388.58	388.00	32	0.0181	0.013	16	10.29	4.80	6.66	3.49
30	AA030	0.53	96	3.48	3.48	392.64	391.90	20	0.0370	0.013	15	12.37	8.70	2.30	5.42

STORM INLET COMPUTATIONS

INLET																										SAG INLETS ONLY			
NUMBER	TYPE	LENGTH (FT.)	DRAINAGE AREA (AC.)	C	CA	intensity	Q INCR. (CFS)	Q_a CARRYOVER (CFS)	Qt. GUTTERFLOW	S. GUTTER SLOPE (FT/FT)	Sx. CROSS SLOPE (FT/FT)	T. (SPREAD)	W (FT)	W/T	Sw (FT/FT)	Sw/Sx	Eo (App. 9C-8)	a = 12W(Sw-Sx) + LOCAL DEPRESSION	S' w= a/(12W)	Se= Sx + S' w(Eo) (FT/FT)	COMPUTED LENGTH, Lt, (FT) (App. 9C-17)	L, SPECIFIED LENGTH (FT)	L/Lt.	E (App. 9C-18)	Q_i, INTERCEPTED (CFS)	Q_b, CARRYOVER (CFS)	d (FT)	h (FT)	d/h	T, SPREAD @ SAG (FT)
1	2	3	5	6	7	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1A	DI-3B	8	0.18	0.86	0.15	6.77	1.05	0.00	1.05	0.01	0.02	5.24	1.50	0.29	0.08	4.00	0.77	3.13	0.17	0.15	6.98	8	1.15	1	1.05	0.00	-	-	-	-
1	DI-3B	6	0.08	0.89	0.07	6.77	0.48	0.00	0.48	0.01	0.02	3.20	1.50	0.47	0.08	4.00	0.91	3.13	0.17	0.18	4.62	6	1.30	1	0.48	0.00		-	-	-
2	DI-3C	12	0.22	0.83	0.18	6.77	1.24	0.00	1.24	0.00	0.02	5.66	1.50	0.27	0.08	4.00	-	-	-	-	-	8	-	-	1.24	0.00	0.10	0.46	0.22	4.81
3A	DI-3B	6	0.05	0.87	0.04	6.77	0.29	0.00	0.29	0.03	0.02	1.44	1.50	1.04	0.08	4.00	1.00	3.13	0.17	0.19	4.33	6	1.39	1	0.29	0.00	-	-	-	-
3B	DI-3B	6	0.04	0.98	0.04	6.77	0.27	0.00	0.27	0.03	0.02	1.40	1.50	1.07	0.08	4.00	1.00	3.13	0.17	0.19	4.14	6	1.45	1	0.27	0.00	-	-	-	-
4	DI-3B	4	0.05	0.87	0.04	6.77	0.29	0.00	0.29	0.01	0.02	2.04	1.50	0.74	0.08	4.00	1.00	3.13	0.17	0.19	3.53	4	1.13	1	0.29	0.00	-	-	-	-
5	DI-3B	8	0.16	0.87	0.14	6.77	0.94	0.00	0.94	0.01	0.02	4.98	1.50	0.30	0.08	4.00	0.68	3.13	0.17	0.14	7.04	8	1.14	1	0.94	0.00	-	-	-	-
6	DI-3B	8	0.16	0.75	0.12	6.77	0.81	0.00	0.81	0.03	0.02	3.39	1.50	0.44	0.08	4.00	0.91	3.13	0.17	0.18	7.52	8	1.06	1	0.81	0.00	-	-	-	-
8	DI-3B	12	0.29	0.82	0.24	6.77	1.61	0.00	1.61	0.04	0.05	3.07	1.50	0.49	0.08	1.67	0.89	2.60	0.14	0.18	10.86	12	1.11	1	1.61	0.00	-	-	-	-
9	DI-3B	12	0.24	0.89	0.21	6.77	1.45	0.00	1.45	0.04	0.02	5.11	1.50	0.29	0.08	4.63	0.80	3.18	0.18	0.16	10.71	12	1.12	1	1.45	0.00	-	-	-	-
9A	DI-3B	8	0.14	0.7	0.10	6.77	0.66	0.00	0.66	0.03	0.02	3.26	1.50	0.46	0.08	4.90	0.93	3.19	0.18	0.18	6.70	8	1.19	1	0.66	0.00	-	-	-	-
10	DI-3B	8	0.13	0.87	0.11	6.77	0.77	0.00	0.77	0.03	0.02	3.96	1.50	0.38	0.08	4.90	0.91	3.19	0.18	0.18	6.83	8	1.17	1	0.77	0.00	-	-	-	-
10A	DI-3B	12	0.24	0.74	0.18	6.77	1.20	0.00	1.20	0.03	0.02	5.28	1.50	0.28	0.08	4.90	0.58	3.19	0.18	0.12	10.49	12	1.14	1	1.20	0.00	-	-	-	-
11	DI-3C	12	0.37	0.85	0.31	6.77	2.13	0.00	2.13	0.00	0.03	6.44	1.50	0.23	0.08	3.20	-	-	-	-	-	12	-	-	2.13	0.00	0.15	0.46	0.3319	5.85
12	DI-3C	12	0.46	0.86	0.40	6.77	2.68	0.00	2.68	0.00	0.02	8.30	1.50	0.18	0.08	3.79	-	-	-	-	-	12	-	-	2.68	0.00	0.18	0.46	0.3865	8.05
16	DI-3B	8	0.29	0.8	0.23	6.77	1.57	0.00	1.57	0.01	0.01	11.49	1.50	0.13	0.08	7.57	0.54	3.30	0.18	0.11	7.96	8	1.01	1	1.57	0.00	-	-	-	-
17	DI-3B	10	0.23	0.83	0.19	6.77	1.29	0.00	1.29	0.01	0.02	7.02	1.50	0.21	0.08	4.90	0.60	3.19	0.18	0.12	8.07	10	1.24	1	1.29	0.00	-	-	-	-
23	DI-3B	4	0.04	0.89	0.04	6.77	0.24	0.00	0.24	0.02	0.03	1.41	1.50	1.06	0.08	2.98	1.00	3.00	0.17	0.19	3.67	4	1.09	1	0.24	0.00	-	-	-	-
24	DI-3B	6	0.07	0.86	0.06	6.77	0.41	0.00	0.41	0.02	0.02	2.14	1.50	0.70	0.08	3.44	0.99	3.06	0.17	0.19	4.76	6	1.26	1	0.41	0.00	-	-	-	-
25	DI-3B	6	0.1	0.71	0.07	6.77	0.48	0.00	0.48	0.02	0.02	2.71	1.50	0.55	0.08	4.38	0.97	3.16	0.18	0.19	5.16	6	1.16	1	0.48	0.00	-	-	-	-
26	DI-3C	8	0.14	0.87	0.12	6.77	0.82	0.00	0.82	0.00	0.02	5.14	1.50	0.29	0.08	3.97	-	-	-	-	-	8	-	-	0.82	0.00	0.12	0.46	0.262	5.71
26A	DI-3B	6	0.04	0.89	0.04	6.77	0.24	0.00	0.24	0.03	0.02	1.30	1.50	1.15	0.08	3.97	1.00	3.12	0.17	0.19	4.17	6	1.44	1	0.24	0.00	0.12	-	-	-
29	DI-3B	8	0.11	0.87	0.10	6.77	0.65	0.00	0.65	0.05	0.01	3.79	1.50	0.40	0.08	11.90	0.94	3.37	0.19	0.18	7.68	8	1.04	1	0.65	0.00	-	-	-	-
30	DI-3B	14	0.53	0.84	0.45	6.77	3.01	0.00	3.01	0.02	0.09	3.38	2.00	0.59	0.08	0.91	0.91	1.79	0.07	0.16	12.67	14	1.11	1	3.01	0.00	-	-	-	-





EXISTING STORM SEWER
LEESBURG PIKE (STR #30 TO #AA030)

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CHECKED: KW
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020
SCALE: HOR. 1"=30' VERT. 1"=5'

COMMONWEALTH OF VIRGINIA
KAREN L. S. WHITE
Lic. No.041850
6/08/2020
PROFESSIONAL ENGINEER

REVISION APPROVED BY:				
NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)

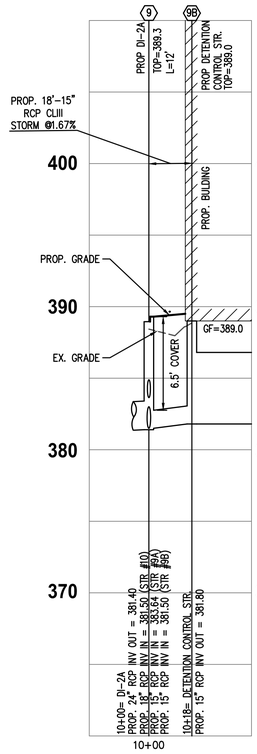
STORM SEWER PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

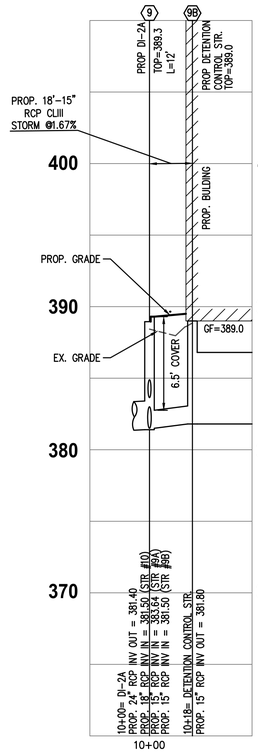
SPECIAL EXCEPTION SITE PLAN

CITY OF FALLS CHURCH, VIRGINIA

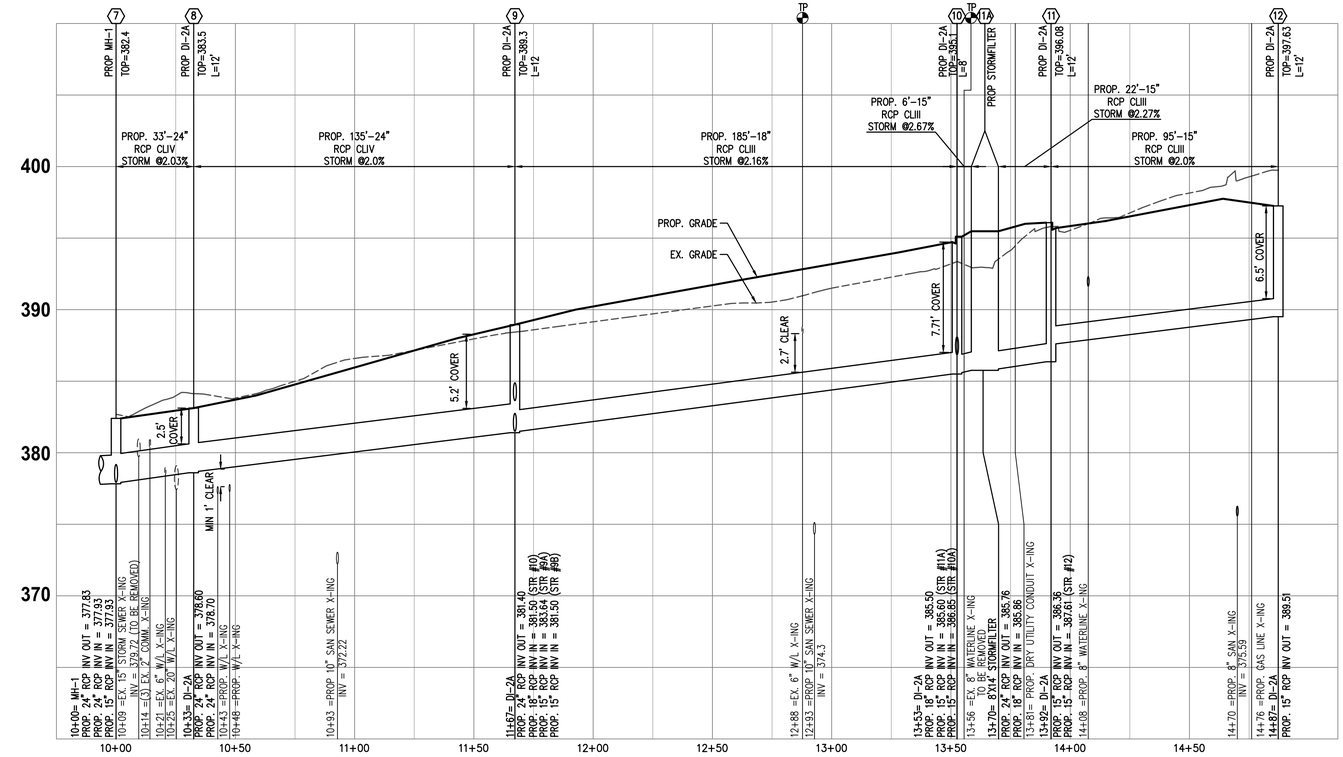
SHEET: C-0801



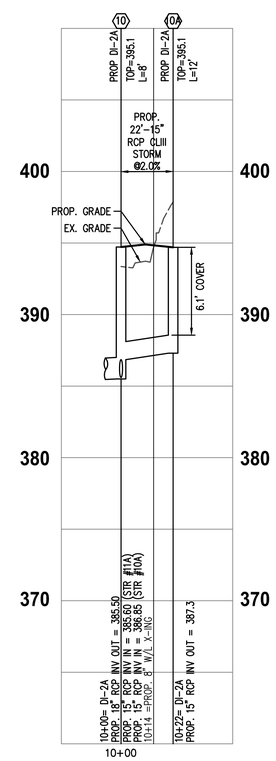
PROPOSED STORM SEWER
MUSTANG ALLEY (STR #9 TO #9B)



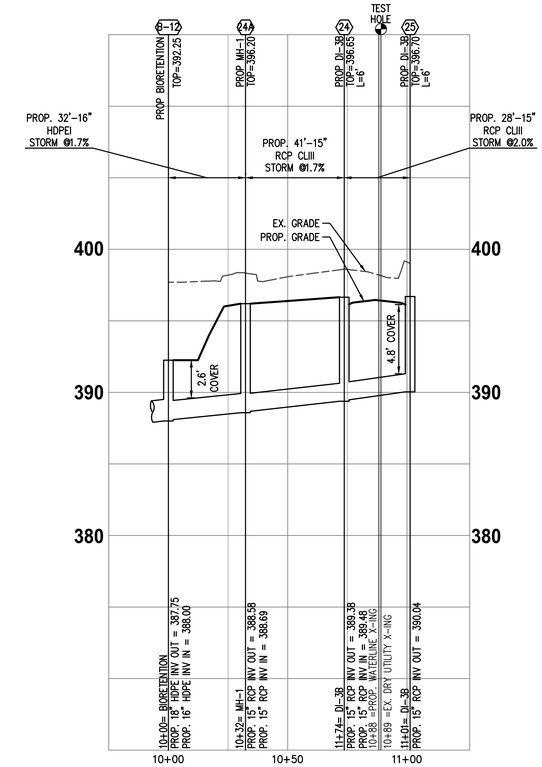
PROPOSED STORM SEWER
MUSTANG ALLEY (STR #9 TO #9B)



PROPOSED STORM SEWER MUSTANG ALLEY TO COMMONS (STR #7 TO #12)



PROPOSED STORM SEWER
MUSTANG ALLEY (STR #10 TO #10A)



PROPOSED STORM SEWER MUSTANG ALLEY
(B-12 TO STR 25)

30 0 15 30 60 120
(IN FEET)
1 INCH = 30'

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SCALE: HOR. 1"=30' VERT. 1"=5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

COMMONWEALTH OF VIRGINIA
KAREN L. S. WHITE
Lic. No.041850
6/08/2020
PROFESSIONAL ENGINEER

REVISION APPROVED BY				
NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

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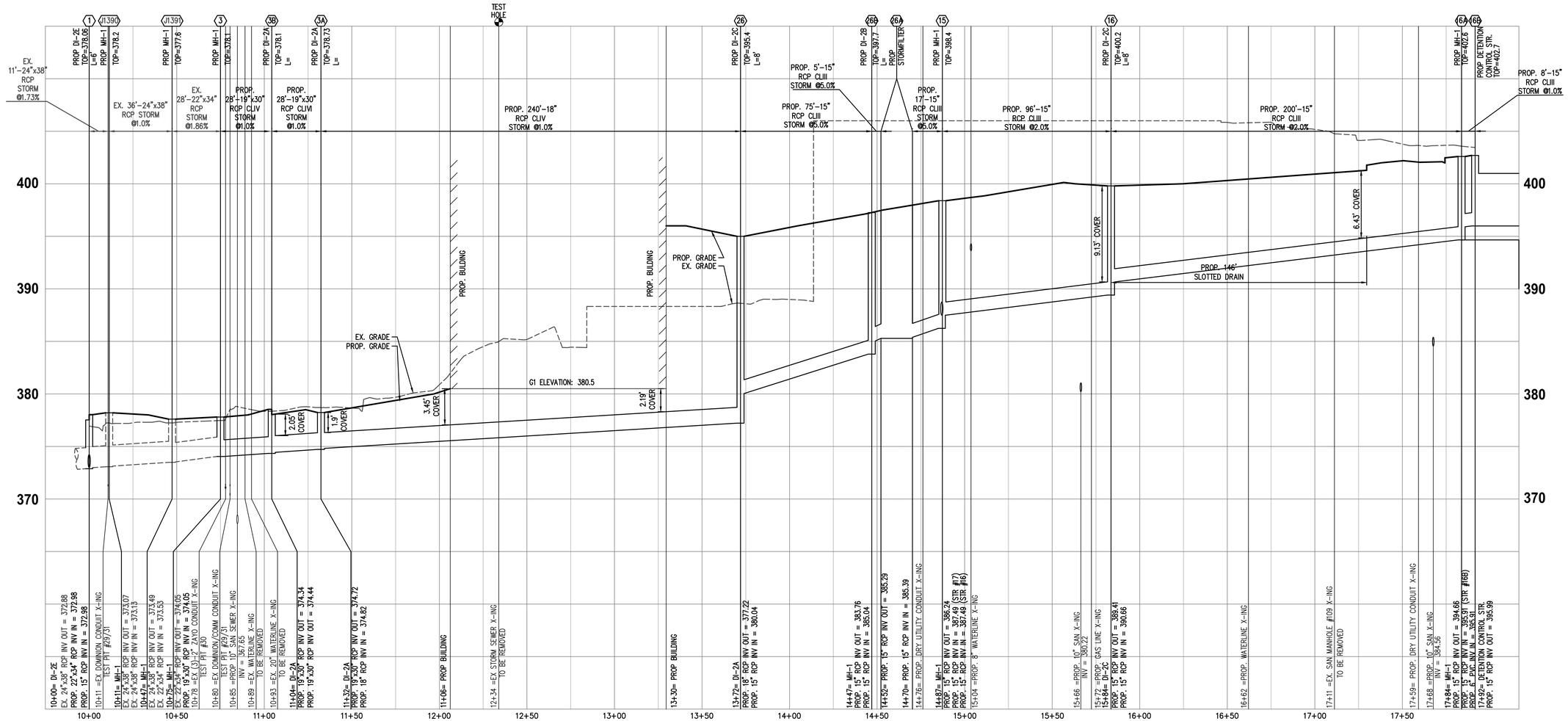
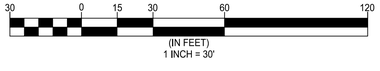
STORM SEWER PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN
CITY OF FALLS CHURCH, VIRGINIA



PROPOSED STORM SEWER (STR #16B TO #1)



STORM SEWER PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN

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6/08/2020
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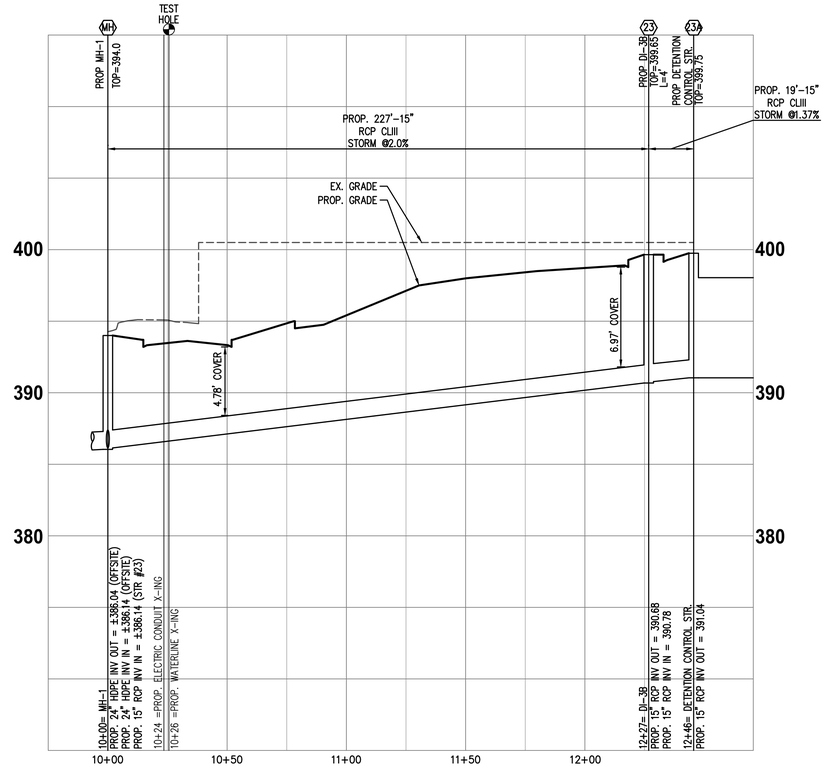
DRAWN: AI1KW / TT	CHECKED: KW
SCALE: AS NOTED	DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

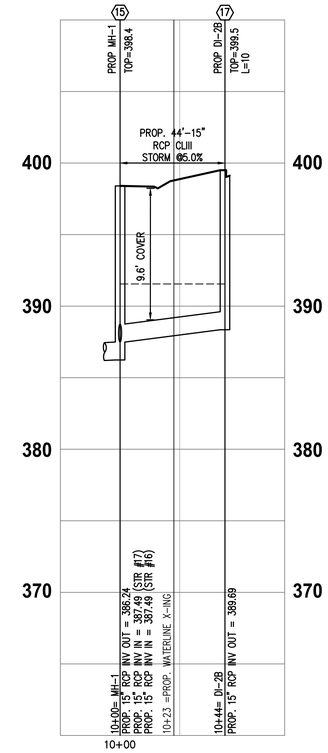
REVISION APPROVED BY

NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)



PROPOSED STORM SEWER STREET A (STR #23A TO OFFSITE)



PROPOSED STORM SEWER COMMONS DRIVE (STR #15 TO #17)

30 0 15 30 60 120
(IN FEET)
1 INCH = 30'

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DRAWN: AVI KW / TT
CHECKED: KW

SCALE: AS NOTED
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

COMMONWEALTH OF VIRGINIA
KAREN L. S. WHITE
Lic. No.041850
6/08/2020
PROFESSIONAL ENGINEER

REVISION APPROVED BY					
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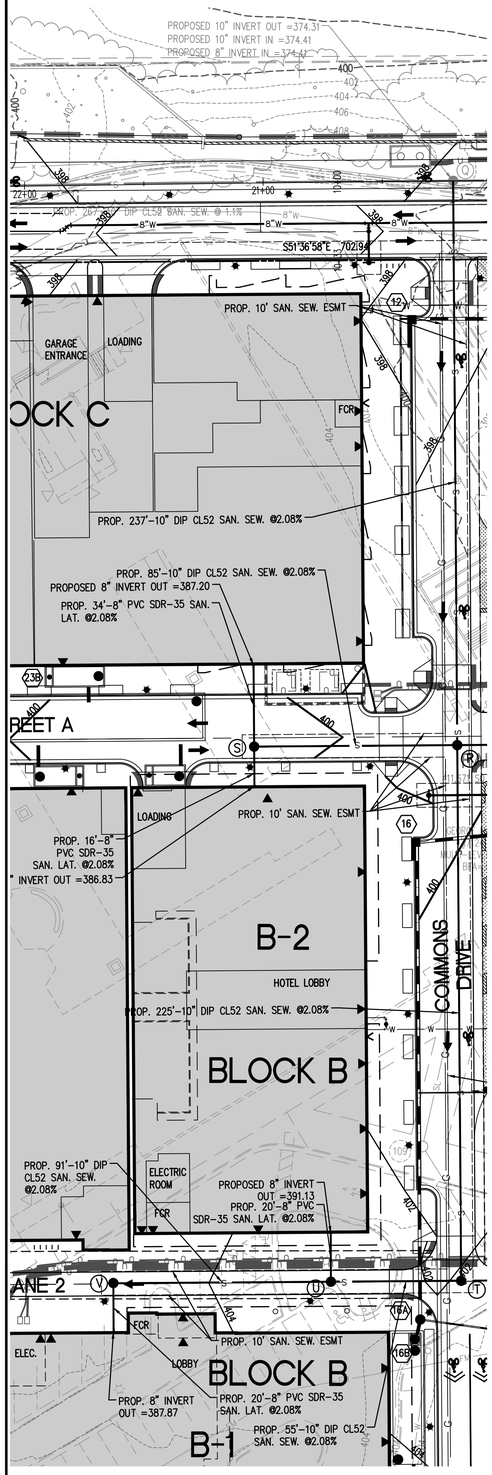
NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)

STORM SEWER PROFILES

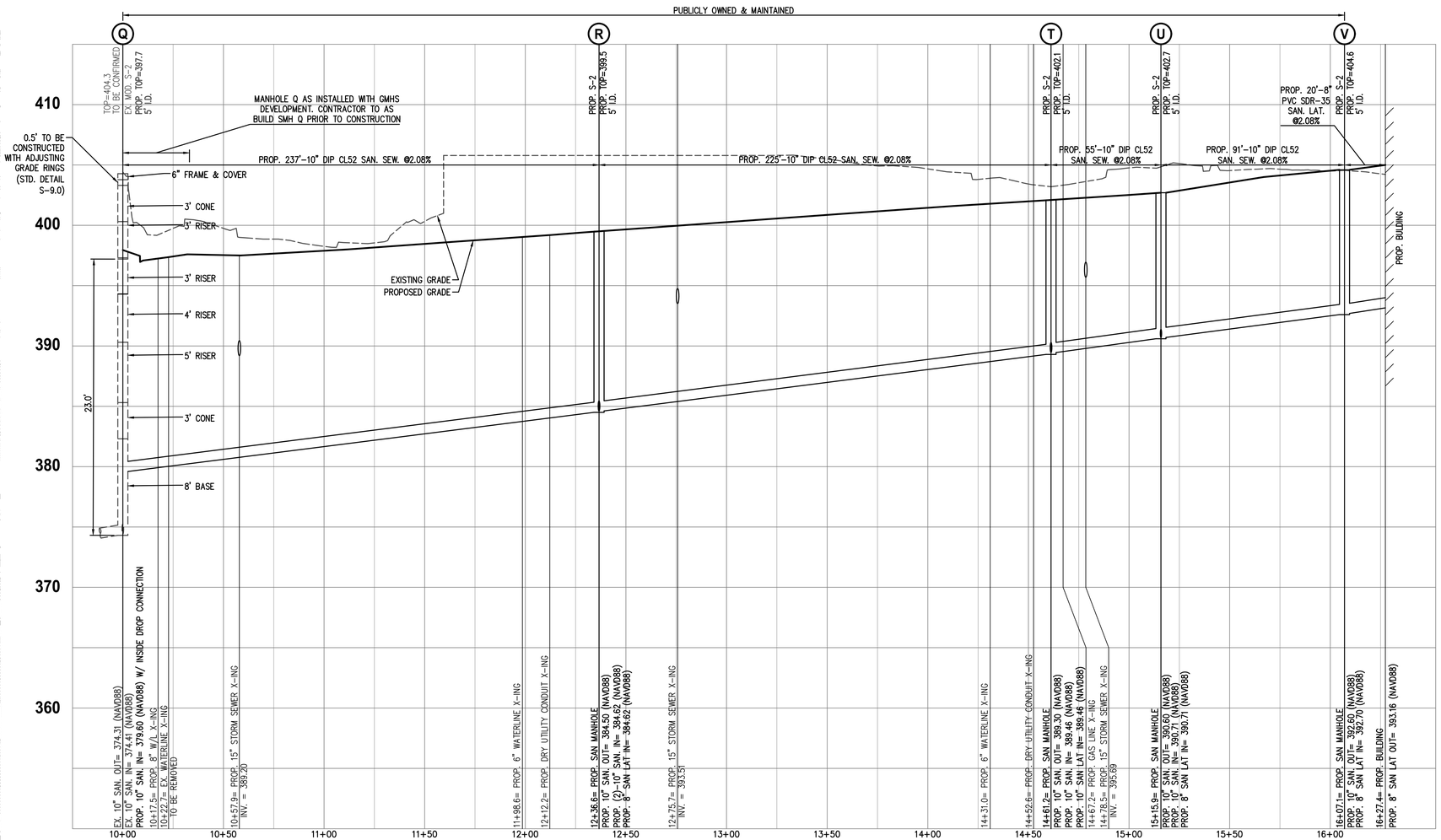
WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN

CITY OF FALLS CHURCH, VIRGINIA



PLAN VIEW
SCALE: 1"=30'



PROPOSED 10" SANITARY MAIN
SCALE: HOR. 1" = 30'
VERT. 1" = 5'

30 0 15 30 60 120
(IN FEET)
1 INCH = 30'

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ESTABLISHED 1945

DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020
SCALE: HOR. 1" = 30' VERT. 1" = 5'
DRAWN: AI / KW / TT
CHECKED: KW

COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
KAREN L. S. WHITE Lic. No.041850 6/08/2020

REVISION APPROVED BY				
NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

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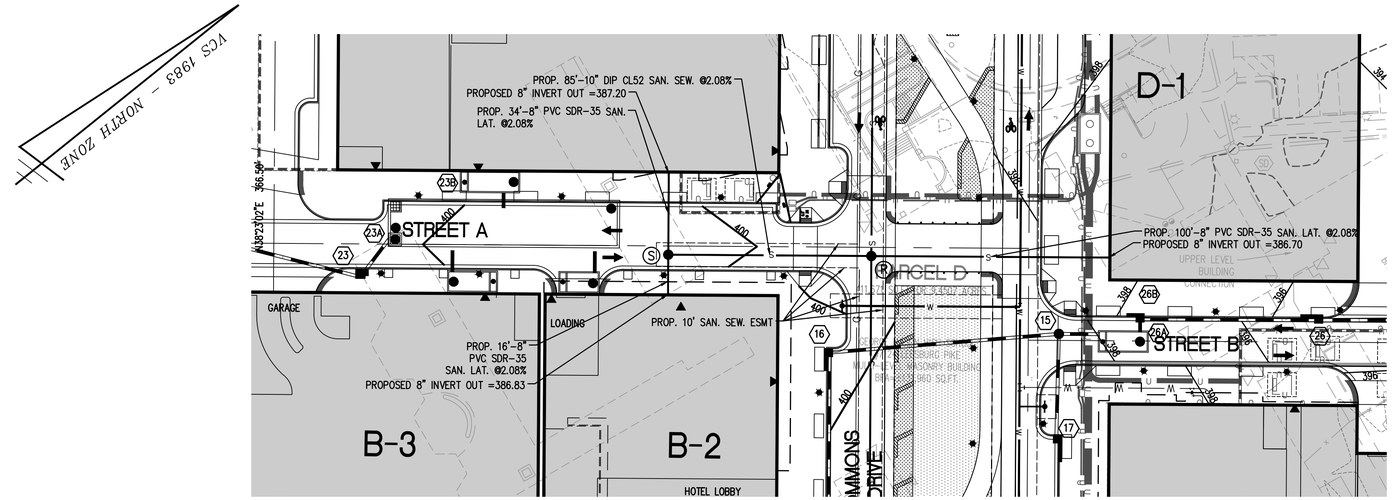
SANITARY SEWER PROFILES

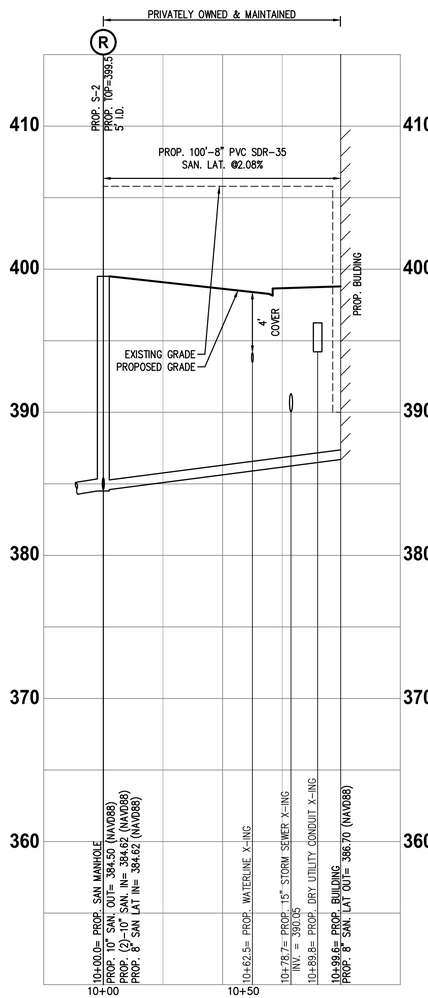
WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN
CITY OF FALLS CHURCH, VIRGINIA



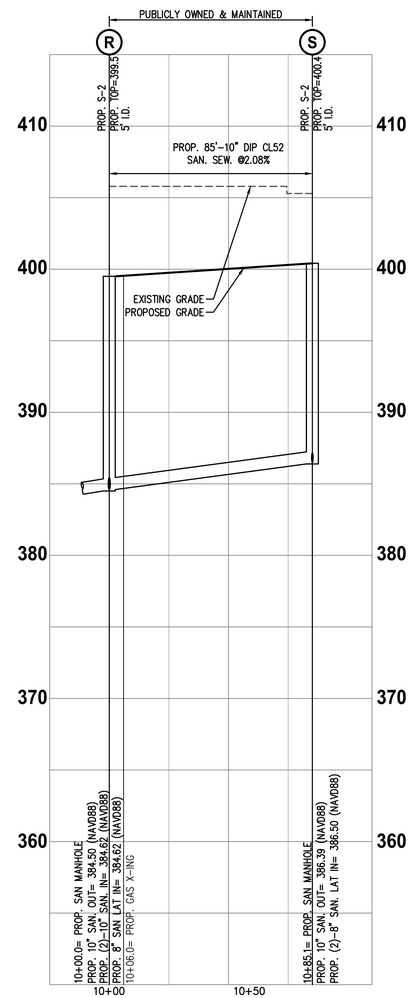
PLAN VIEW

SCALE: 1"=30'



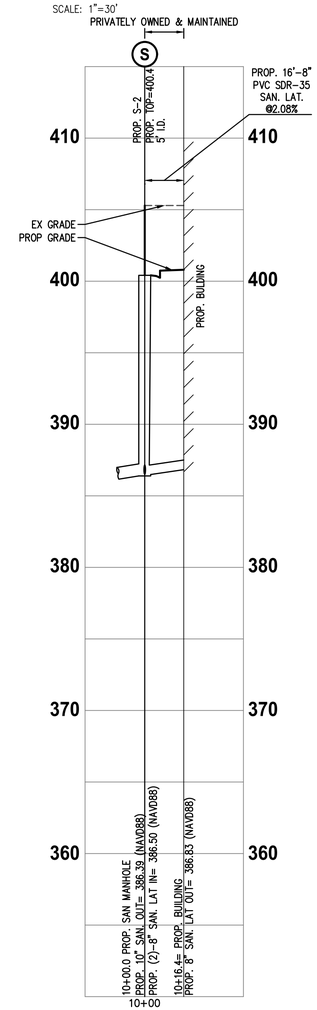
PROPOSED 8" SANITARY LATERAL

SCALE: HOR. 1" = 30'
VERT. 1" = 5'



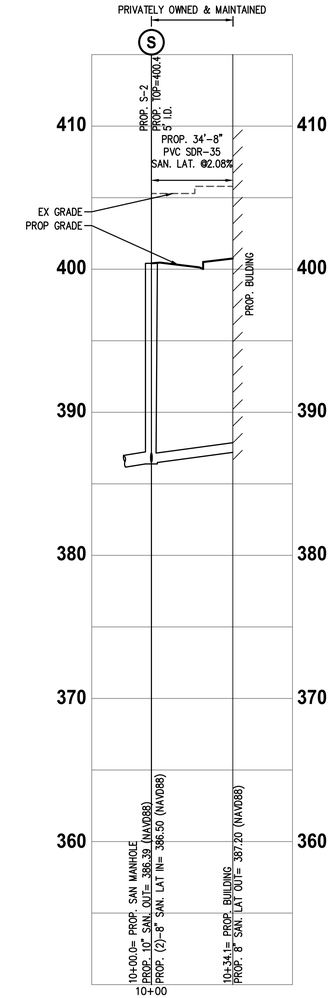
PROPOSED 10" SANITARY MAIN

SCALE: HOR. 1" = 30'
VERT. 1" = 5'



PROPOSED 8" SANITARY LATERAL

SCALE: HOR. 1" = 30'
VERT. 1" = 5'



PROPOSED 8" SANITARY LATERAL

SCALE: HOR. 1" = 30'
VERT. 1" = 5'

(IN FEET)
1 INCH = 30'

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CHECKED: KW

COMMONWEALTH OF VIRGINIA
KAREN L. S. WHITE
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6/08/2020
PROFESSIONAL ENGINEER

SCALE: HOR. 1"=30' VERT. 1"=5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

REVISION APPROVED BY					
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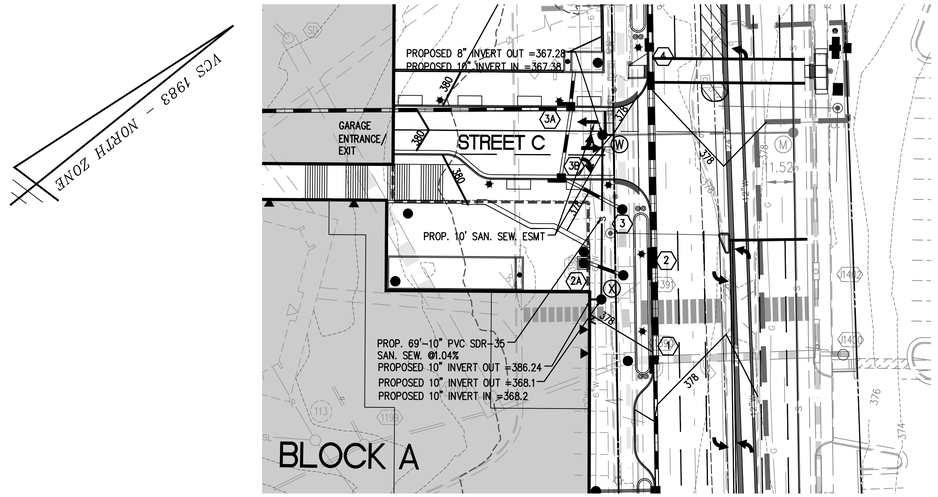
SANITARY SEWER PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN

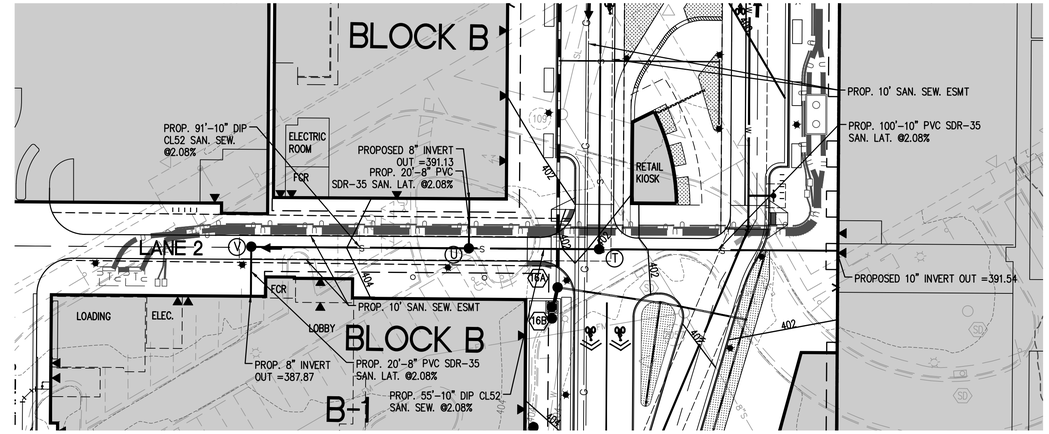
CITY OF FALLS CHURCH, VIRGINIA

SHEET: C-0902

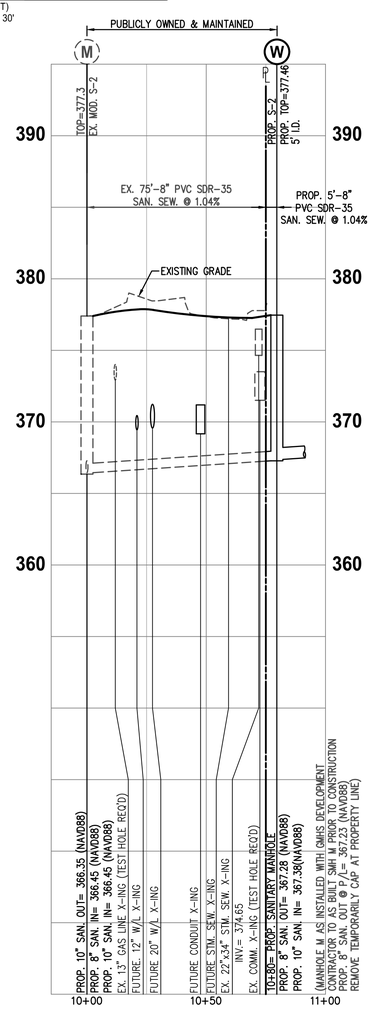


30 0 15 30 60 120
(IN FEET)
1 INCH = 30'

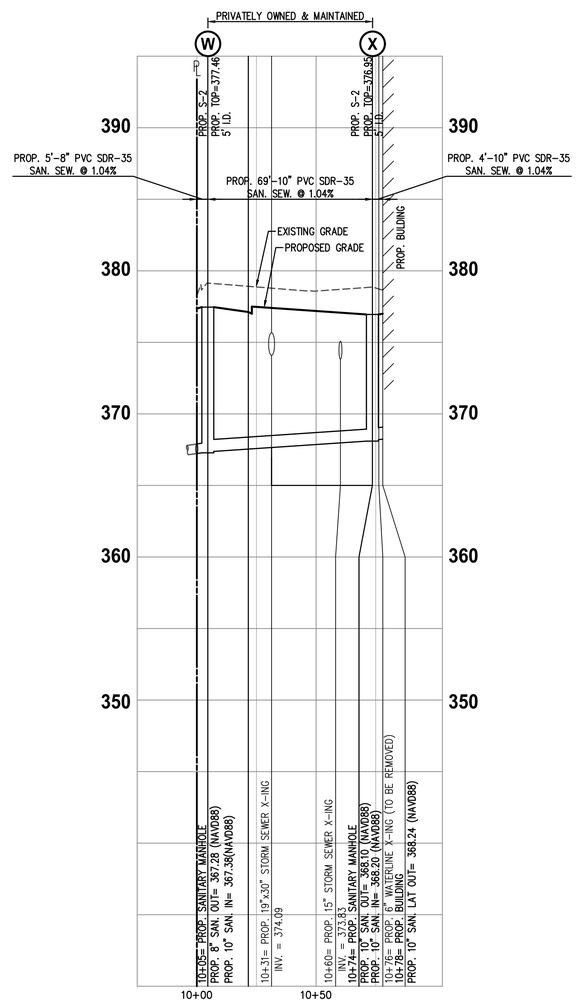
PLAN VIEW
SCALE: 1"=30'



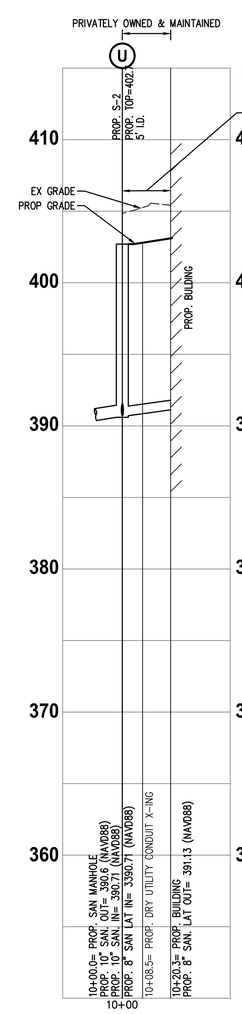
PLAN VIEW
SCALE: 1"=30'



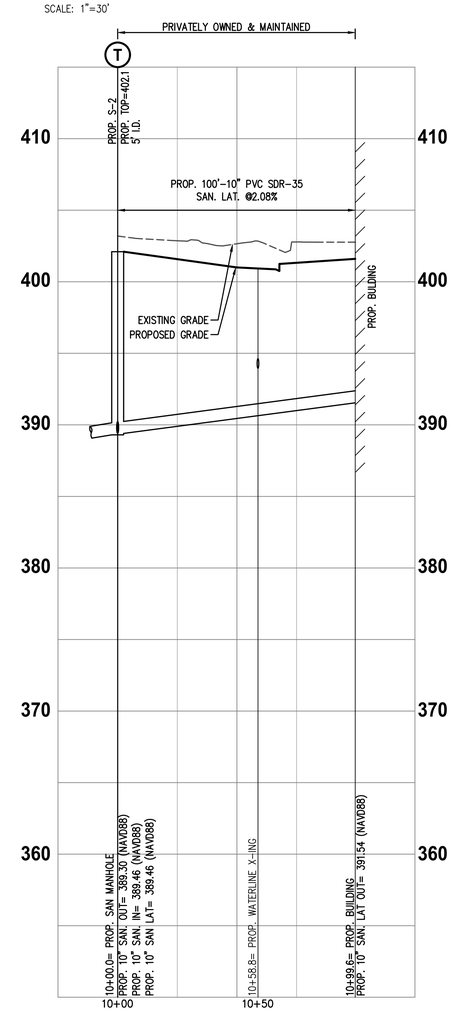
PROPOSED 8" SANITARY LATERAL
SCALE: HOR. 1" = 30'
VERT. 1" = 5'



PROPOSED 10" SANITARY LATERAL
SCALE: HOR. 1" = 30'
VERT. 1" = 5'



PROPOSED 8" SANITARY LATERAL
SCALE: HOR. 1" = 30'
VERT. 1" = 5'



PROPOSED 8" SANITARY LATERAL
SCALE: HOR. 1" = 30'
VERT. 1" = 5'

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CHECKED: KW
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020
SCALE: HOR. 1"=30' VERT. 1"=5'

COMMONWEALTH OF VIRGINIA
KAREN L. S. WHITE
Lic. No.041850
6/08/2020
PROFESSIONAL ENGINEER

REVISION APPROVED BY					
NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

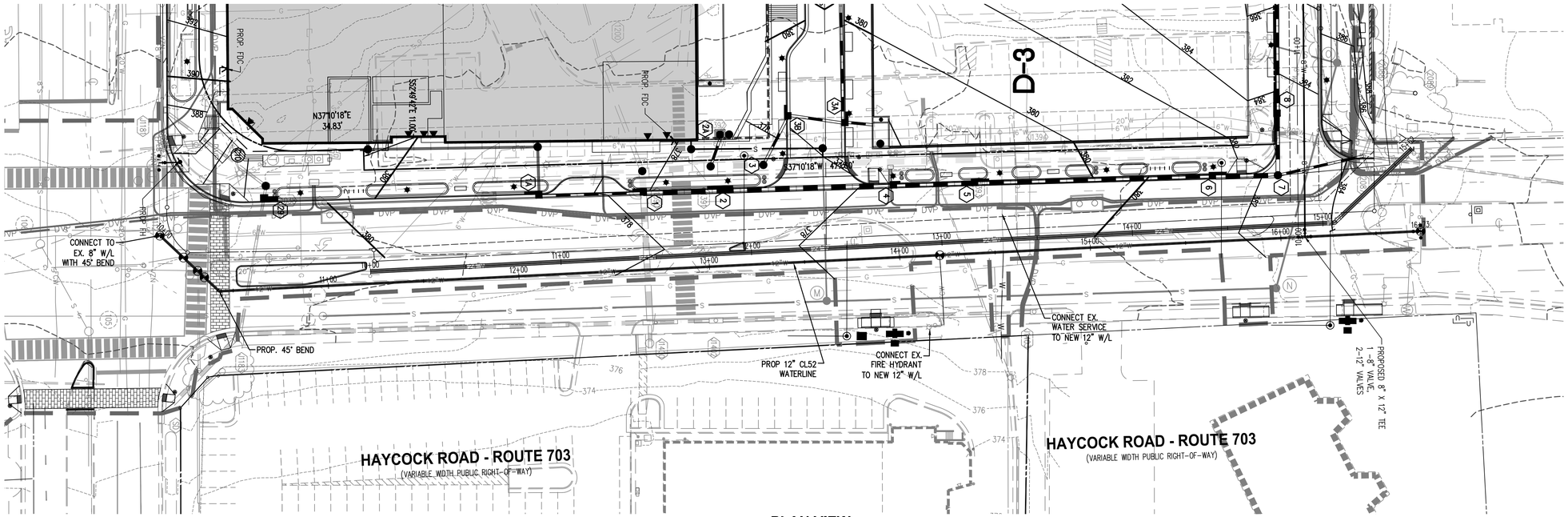
NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)

SANITARY SEWER PROFILES

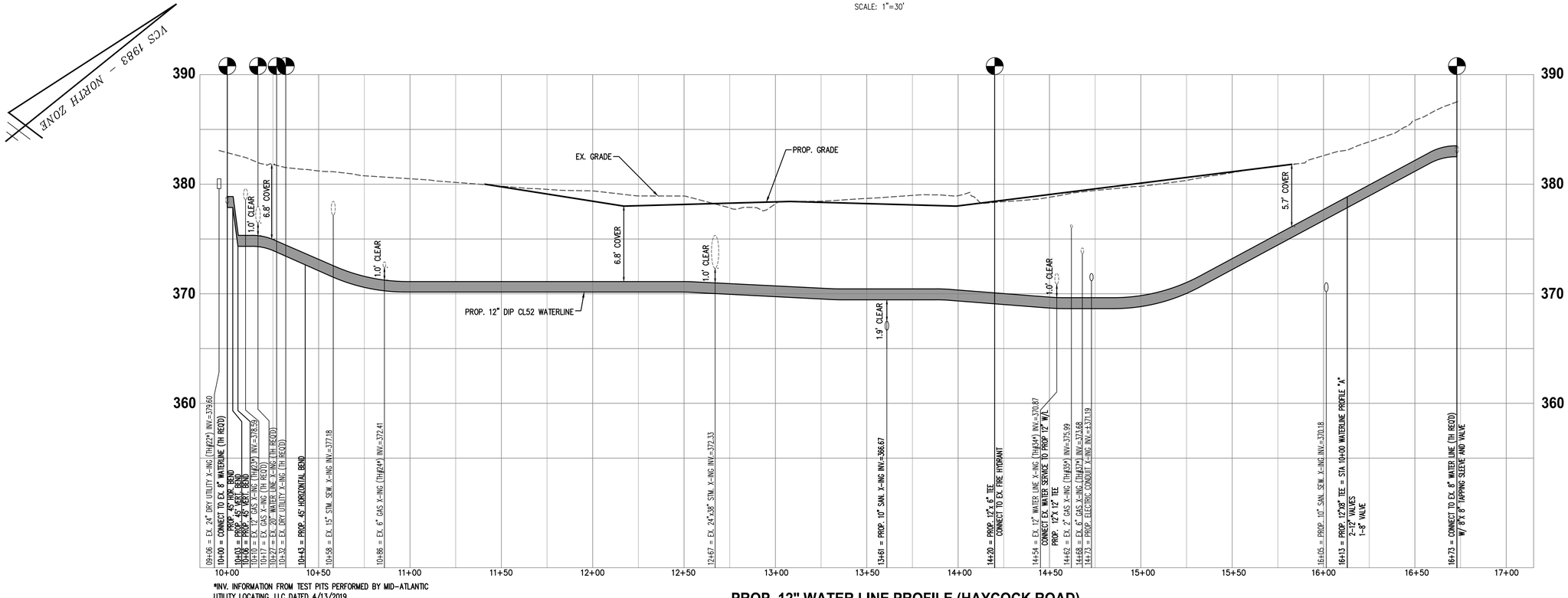
WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN

CITY OF FALLS CHURCH, VIRGINIA



PLAN VIEW
SCALE: 1"=30'



*INV. INFORMATION FROM TEST PITS PERFORMED BY MID-ATLANTIC UTILITY LOCATING, LLC DATED 4/13/2019

PROP. 12" WATER LINE PROFILE (HAYCOCK ROAD)
SCALE: HOR. 1"=30'
VERT. 1"=5'

NOTES:
1. TEST PITS TO BE PERFORMED 60 DAYS PRIOR TO CONSTRUCTION
2. CONTRACTOR TO RECONNECT EXISTING SERVICES ON HAYCOCK ROAD TO NEW 12" WATERLINE

30 0 15 30 60 120
(IN FEET)
1 INCH = 30'

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Lic. No.041850
6/08/2020
PROFESSIONAL ENGINEER

SCALE: HOR. 1"=30'
VERT. 1"=5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

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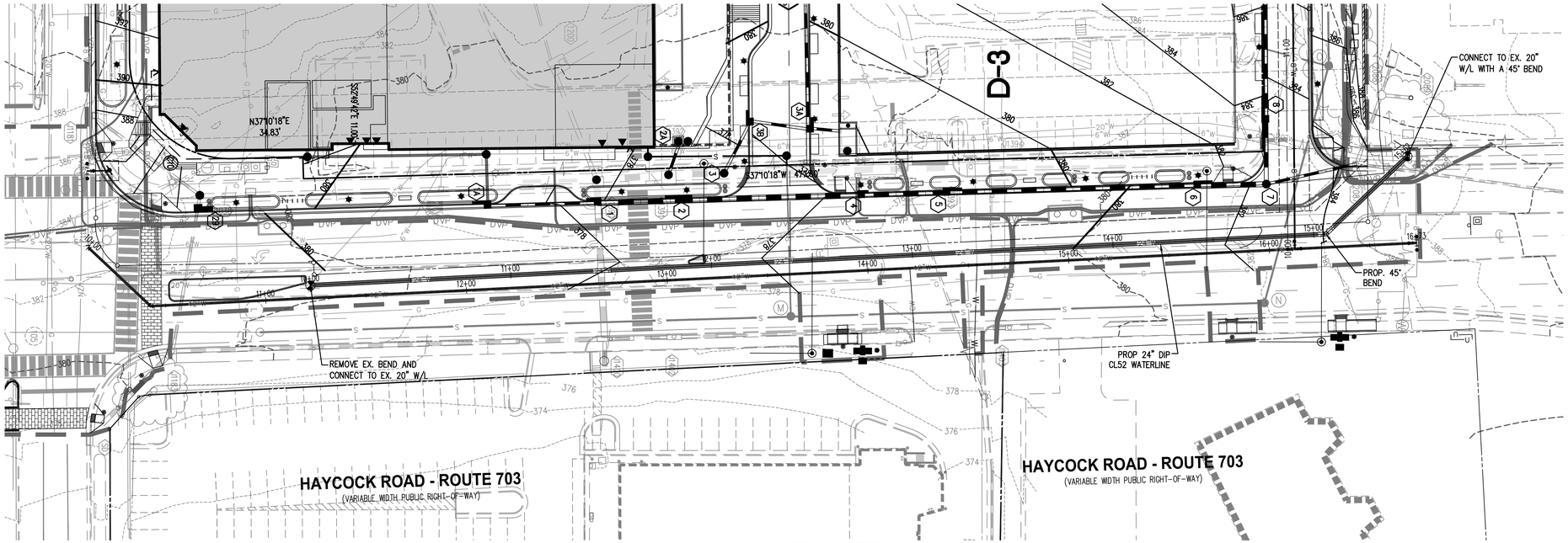
WATERLINE PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN

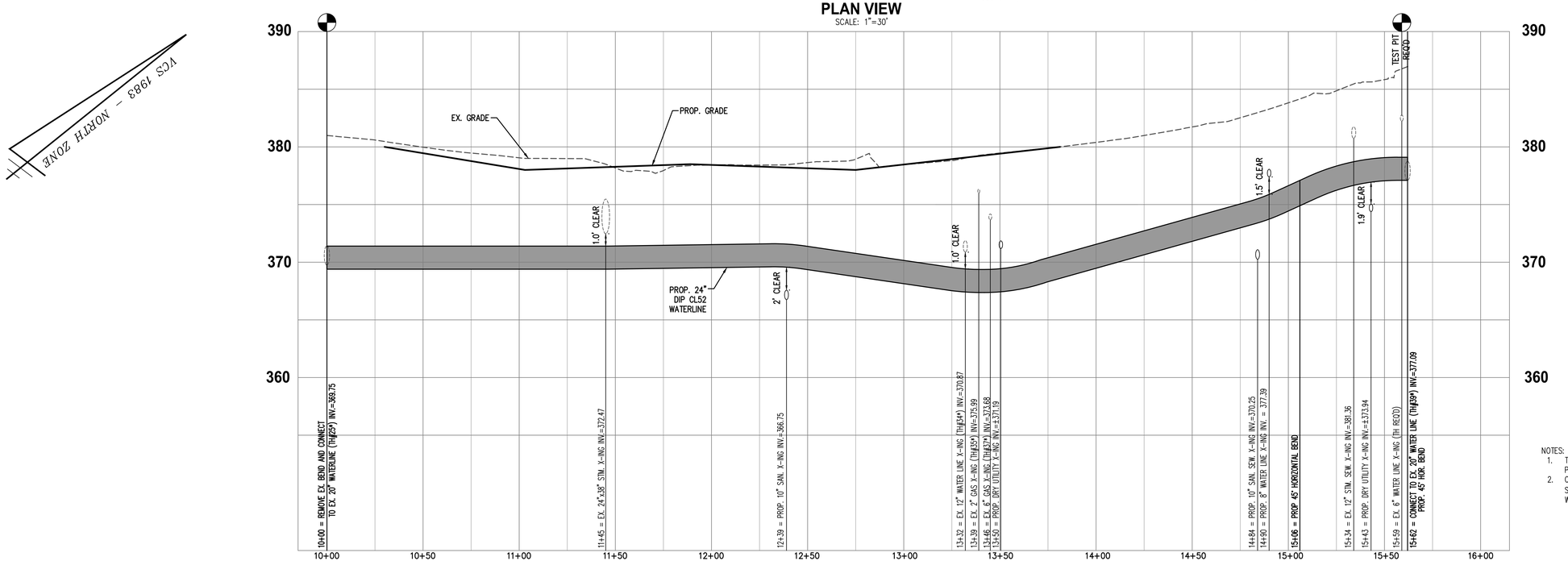
CITY OF FALLS CHURCH, VIRGINIA

SHEET: C-1001



PLAN VIEW

SCALE: 1"=30'



*INV. INFORMATION FROM TEST PITS PERFORMED BY MID-ATLANTIC UTILITY LOCATING, LLC DATED 4/13/2019

PROP. 24" WATER LINE PROFILE (HAYCOCK ROAD)

SCALE: HOR. 1"=30'
VERT. 1"=5'

NOTES:
1. TEST PITS TO BE PERFORMED 60 DAYS PRIOR TO CONSTRUCTION
2. CONTRACTOR TO RECONNECT EXISTING SERVICES ON HAYCOCK ROAD TO NEW 12" WATERLINE

30 0 15 30 60 120
(IN FEET)
1 INCH = 30'

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DRAWN: AI/ KW / TT
CHECKED: KW

SCALE: HOR. 1"=30'
VERT. 1"=5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

COMMONWEALTH OF VIRGINIA
KAREN L. S. WHITE
Lic. No.041850
6/08/2020
PROFESSIONAL ENGINEER

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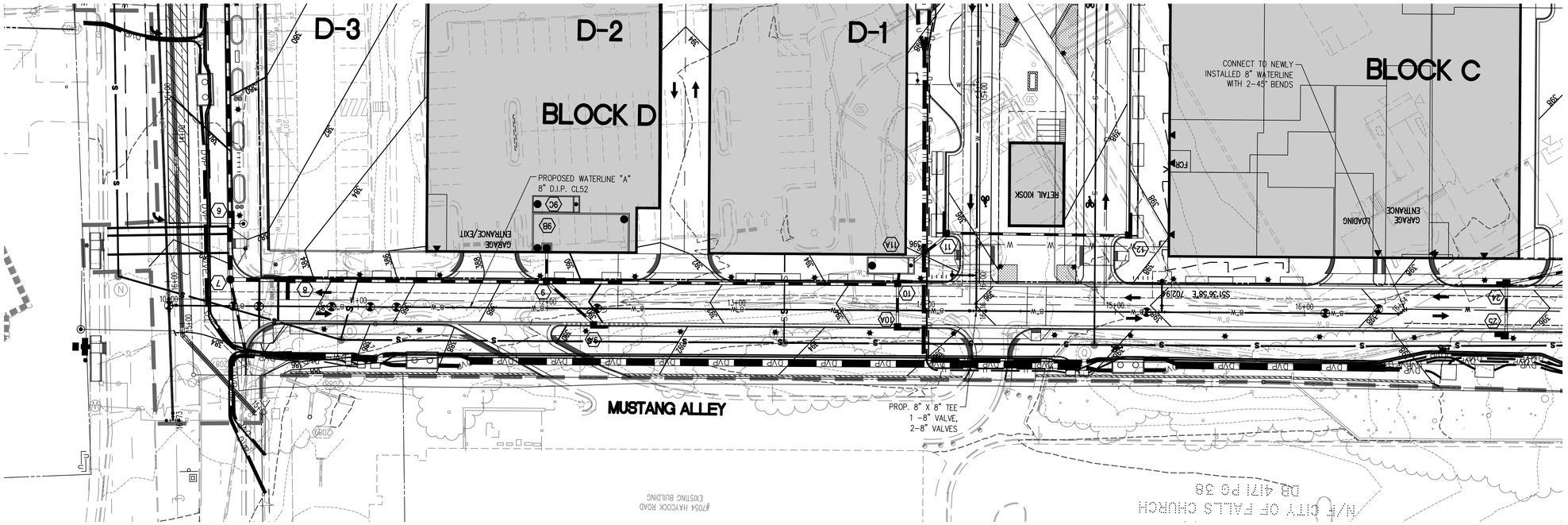
WATERLINE PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

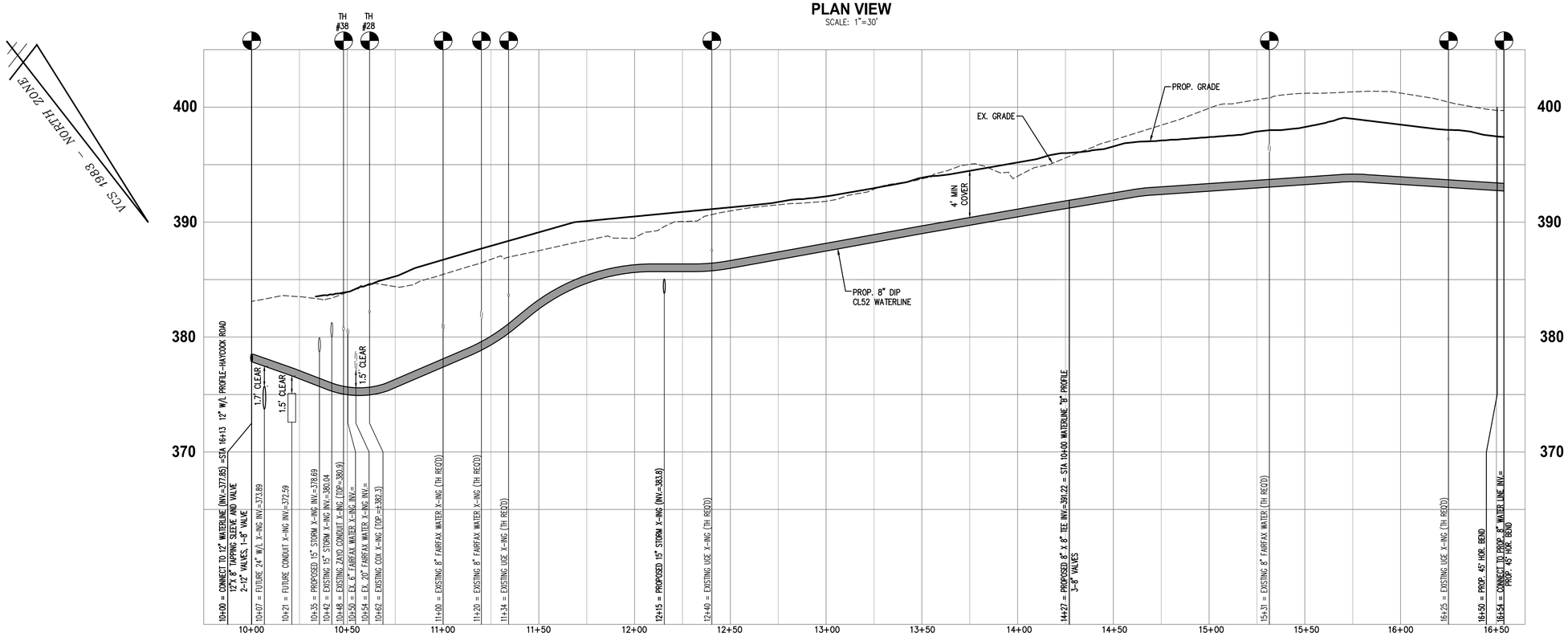
SPECIAL EXCEPTION SITE PLAN

CITY OF FALLS CHURCH, VIRGINIA



PLAN VIEW

SCALE: 1"=30'



*INV. INFORMATION FROM TEST PITS PERFORMED BY MID-ATLANTIC UTILITY LOCATING, LLC DATED 4/13/2019

PROP. 8" WATER LINE "A" PROFILE

SCALE: HOR. 1"=30'
VERT. 1"=5'

30 0 15 30 60 120
(IN FEET)
1 INCH = 30'

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DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

SCALE: HOR. 1"=30' VERT. 1"=5'

DRAWN: AI / KW / TT

CHECKED: KW

COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
KAREN L. S. WHITE
Lic. No.041850
6/08/2020

REVISION APPROVED BY				
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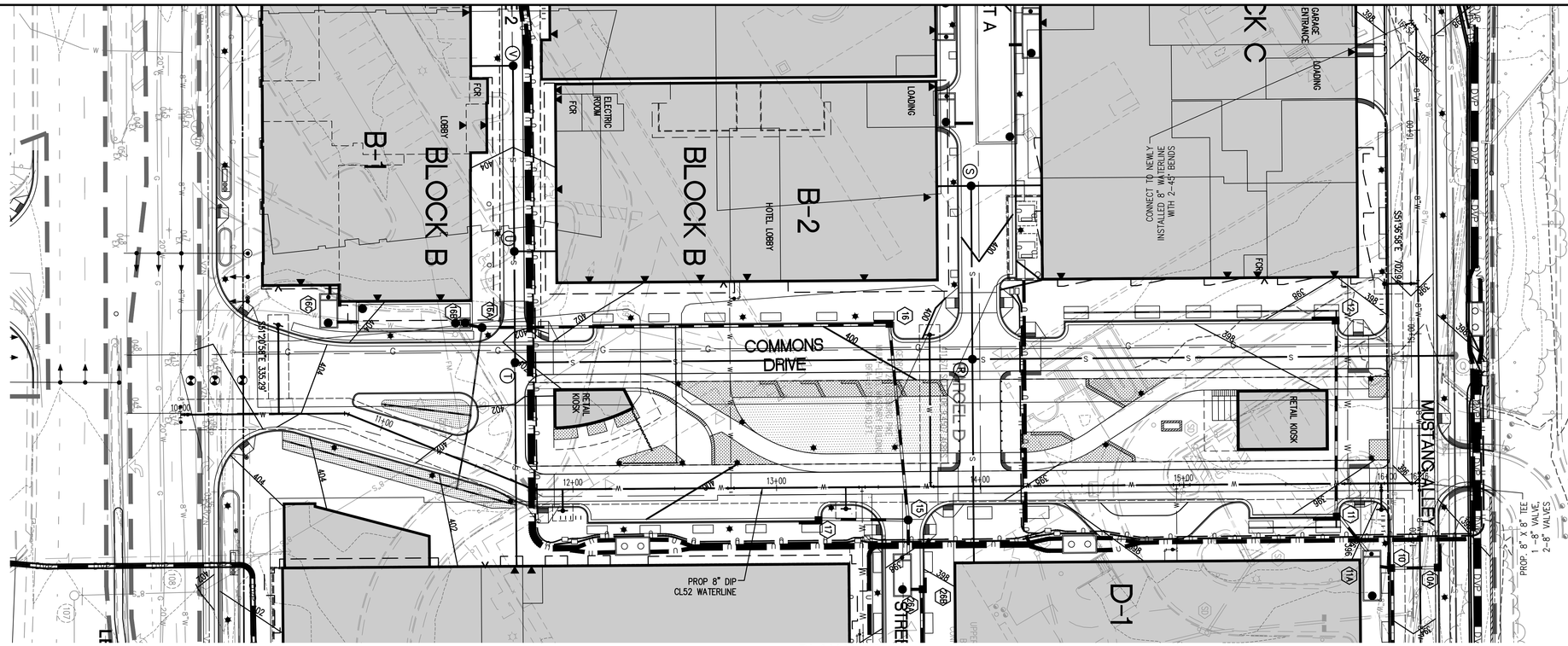
WATERLINE PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

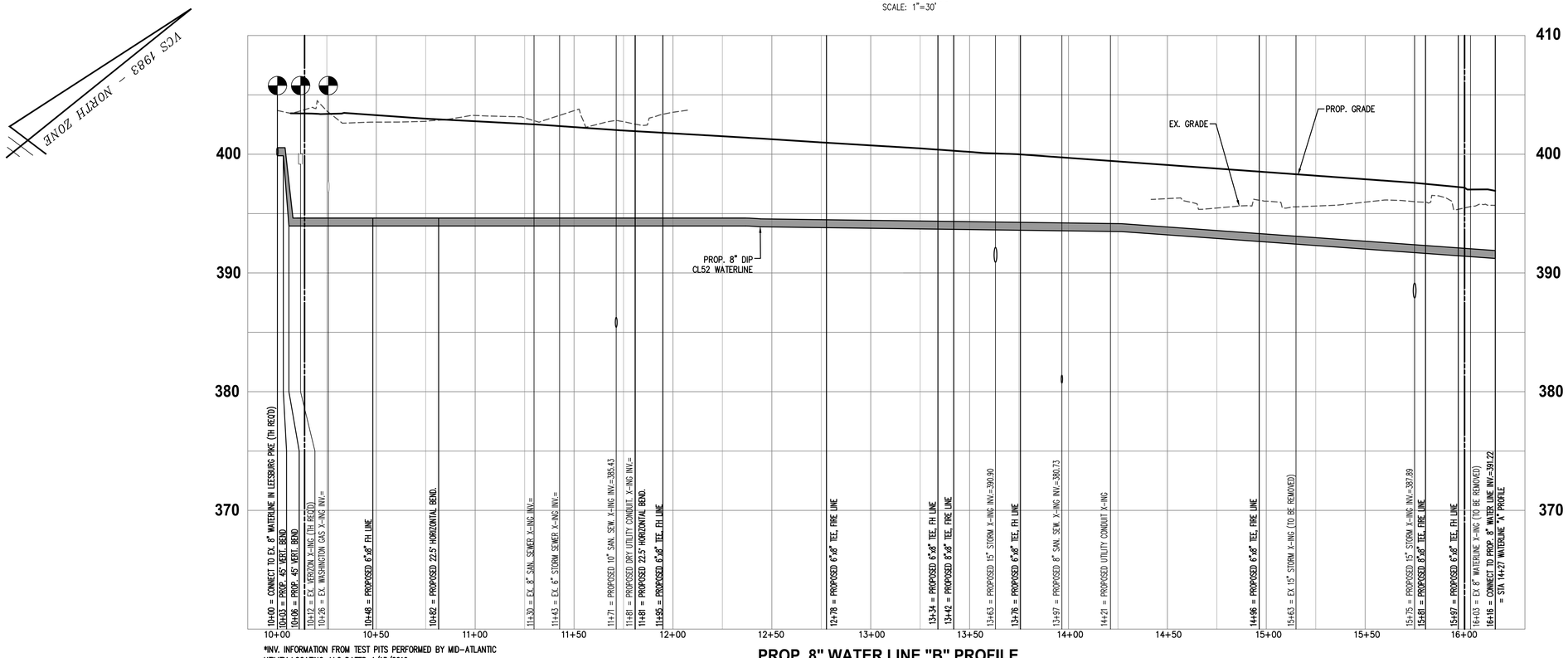
SPECIAL EXCEPTION SITE PLAN

CITY OF FALLS CHURCH, VIRGINIA

SHEET: C-1003



PLAN VIEW
SCALE: 1"=30'



*INV. INFORMATION FROM TEST PITS PERFORMED BY MID-ATLANTIC UTILITY LOCATING, LLC DATED 4/13/2019

PROP. 8" WATER LINE "B" PROFILE
SCALE: HOR. 1"=30'
VERT. 1"=5'

30 0 15 30 60 120
(IN FEET)
1 INCH = 30'

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COMMONWEALTH OF VIRGINIA
KAREN L. S. WHITE
Lic. No.041850
6/08/2020
PROFESSIONAL ENGINEER

DRAWN: AH/KW/ TT
CHECKED: KW
SCALE: AS NOTED
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

REVISION APPROVED BY				
NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

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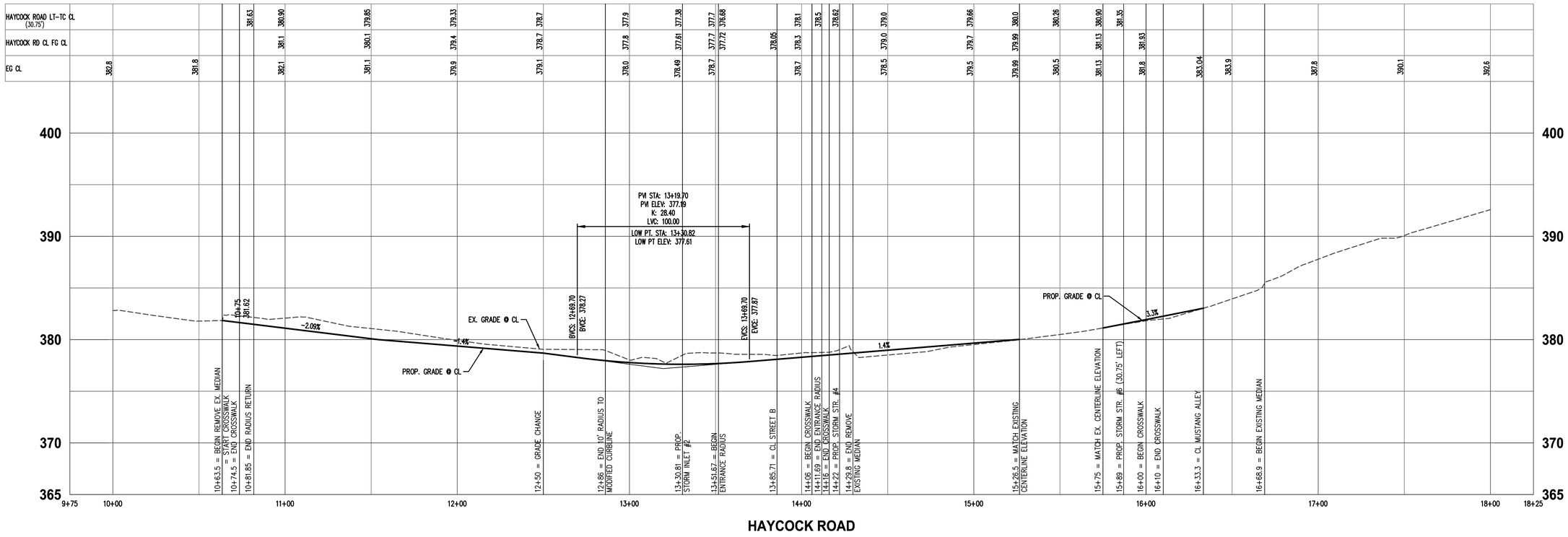
WATERLINE PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

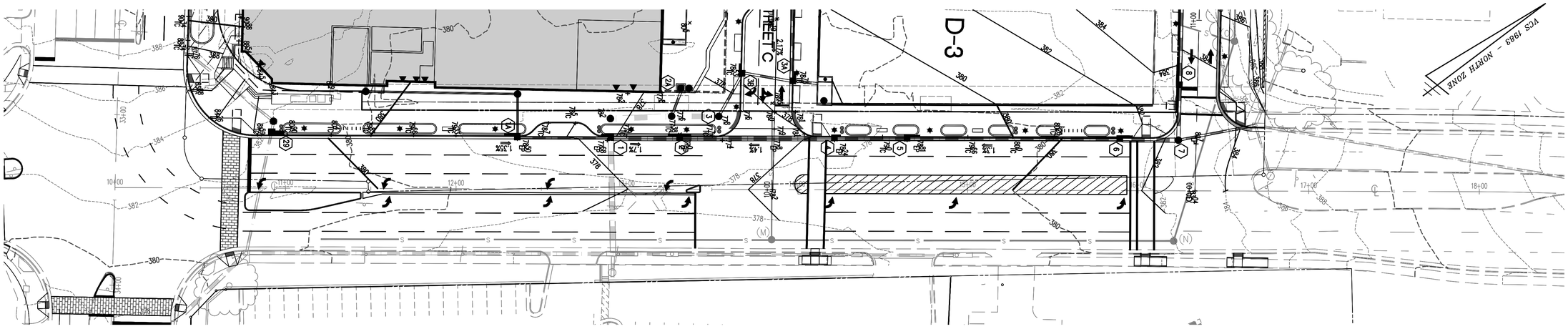
SPECIAL EXCEPTION SITE PLAN

CITY OF FALLS CHURCH, VIRGINIA

SHEET: C-1004



HAYCOCK ROAD



HAYCOCK ROAD PLAN AND PROFILE

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SCALE: HOR. 1"=30' VERT. 1"=5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020
DRAWN: AVI KWI / TT
CHECKED: KW

NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

REVISION APPROVED BY

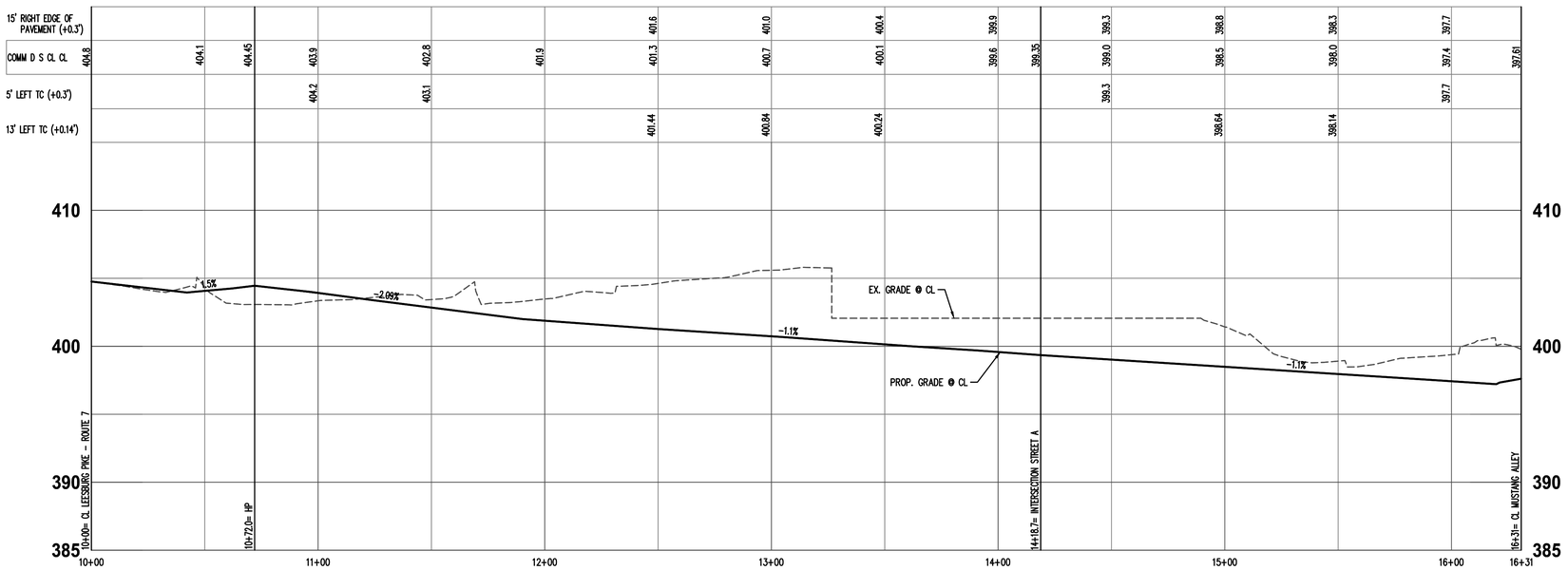
NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)

ROAD PROFILE - HAYCOCK ROAD

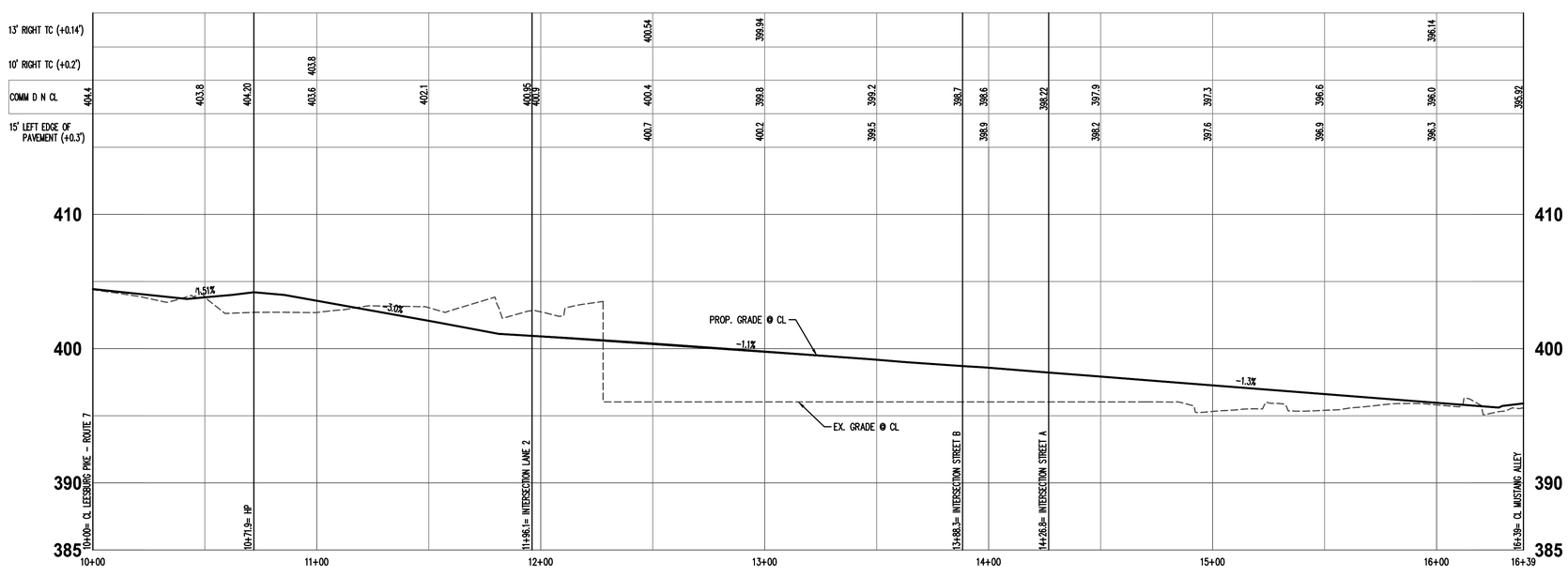
WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN
CITY OF FALLS CHURCH, VIRGINIA

SHEET: C-1101

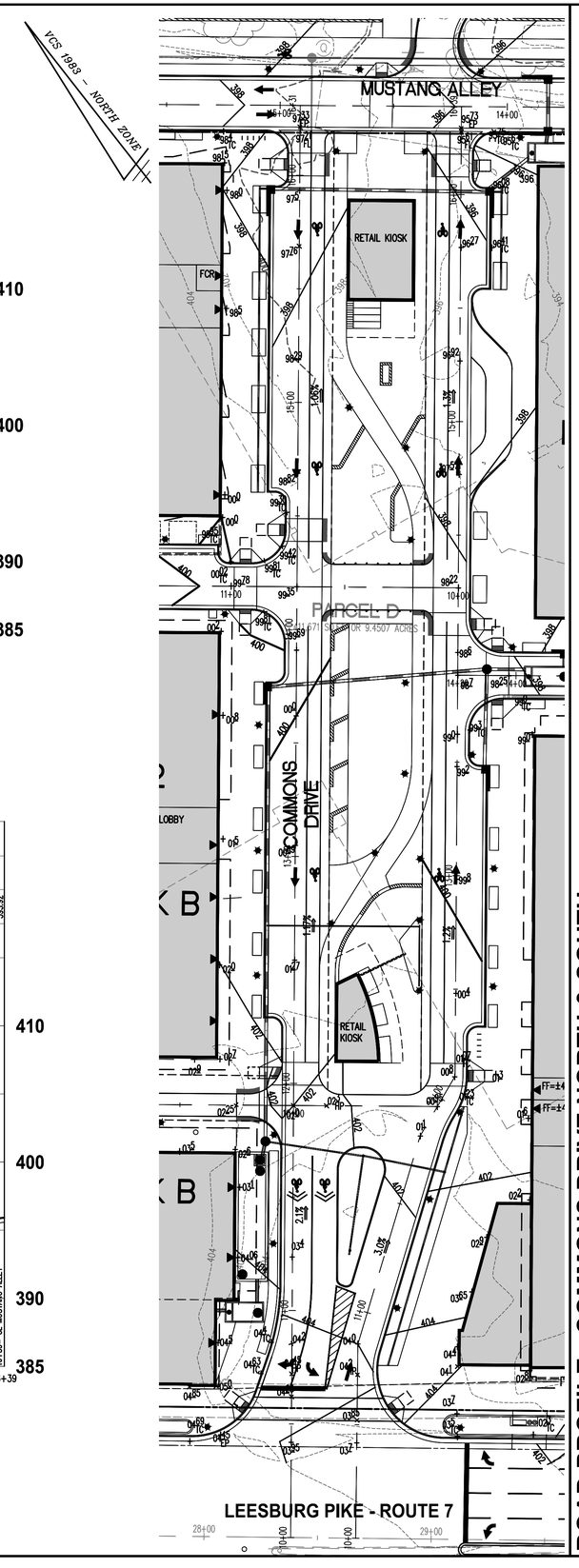


COMMONS DRIVE SOUTH



COMMONS DRIVE NORTH

COMMONS DRIVE NORTH & SOUTH PLAN AND PROFILE



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SCALE: HOR. 1"=30' VERT. 1"=5'

REVISION APPROVED BY

NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

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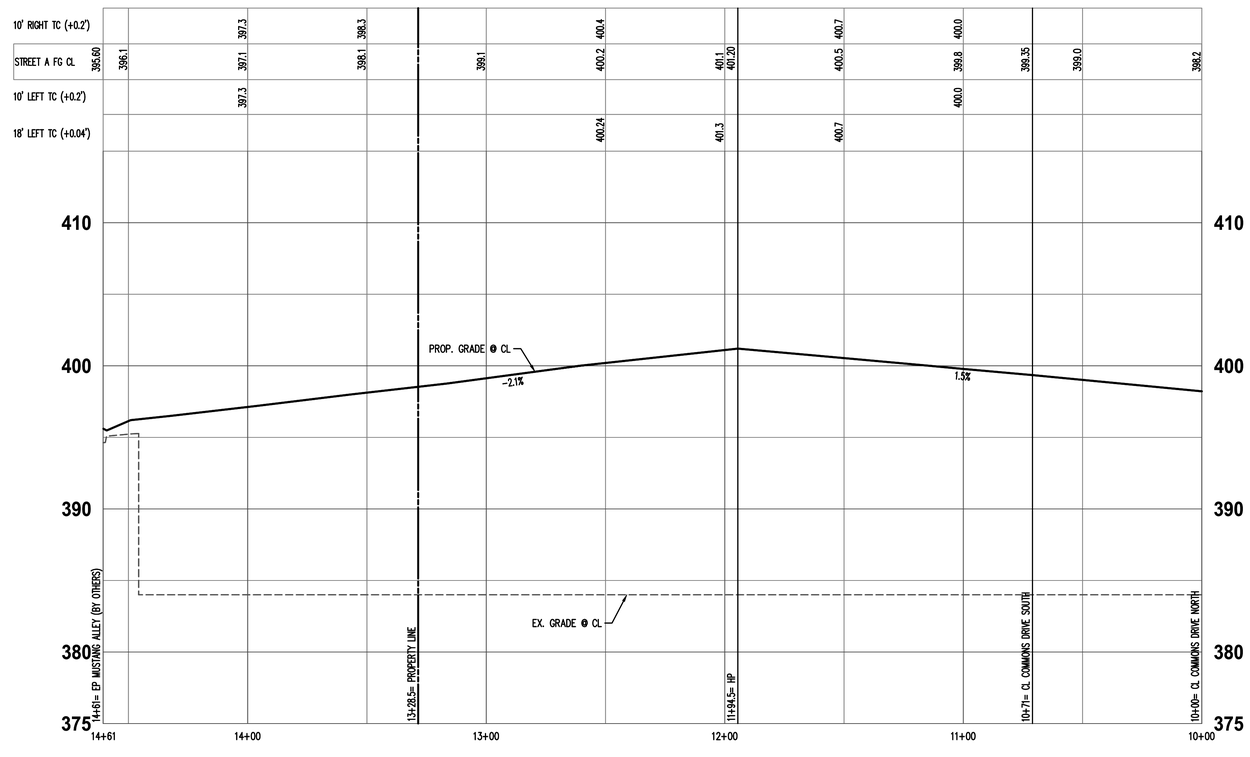
ROAD PROFILE - COMMONS DRIVE NORTH & SOUTH

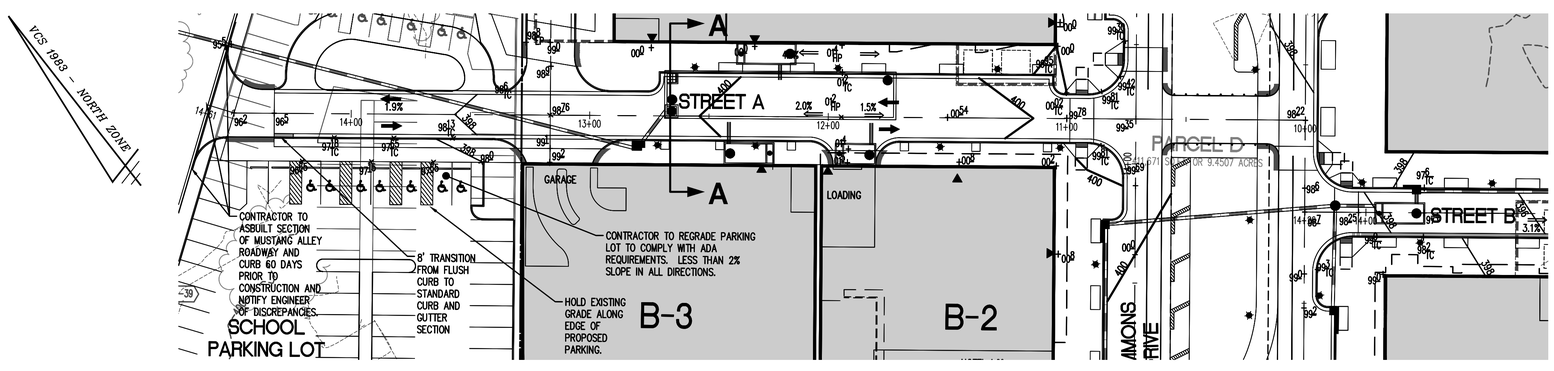
WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN
CITY OF FALLS CHURCH, VIRGINIA

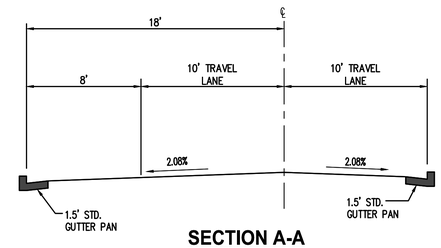
SHEET: C-1102



STREET A



STREET A PLAN AND PROFILE



SECTION A-A

SCALE: 1" = 5'

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DRAWN: AVI KWI / TT | CHECKED: KW

SCALE: HOR. 1" = 30' VERT. 1" = 5' | DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

REVISION APPROVED BY

NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

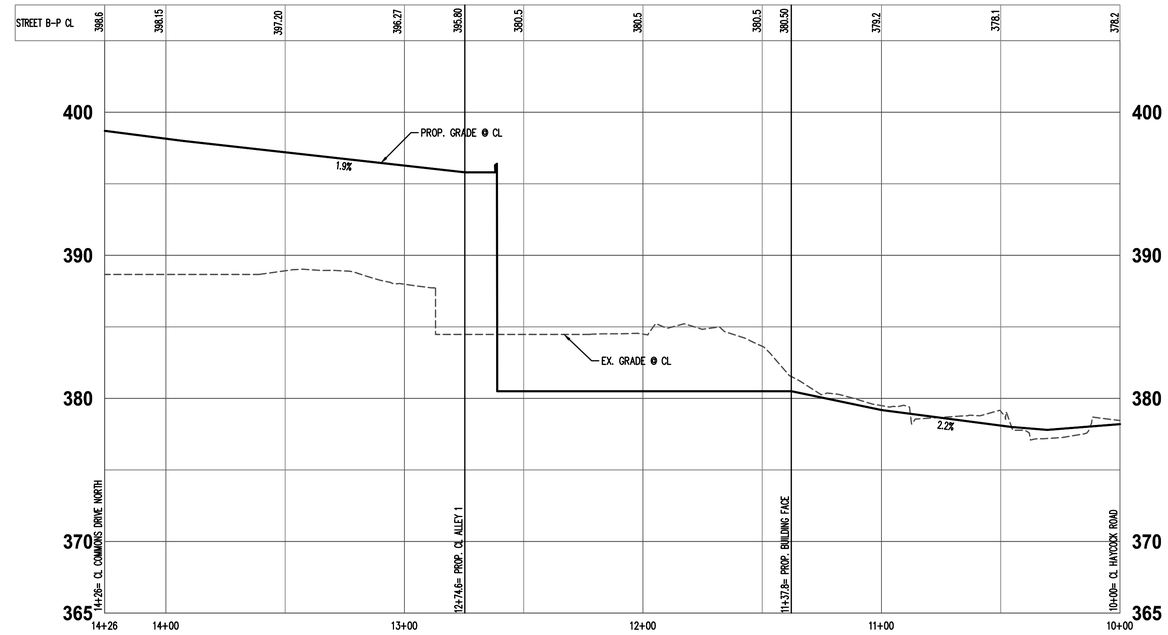
NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)

ROAD PROFILE - STREET A

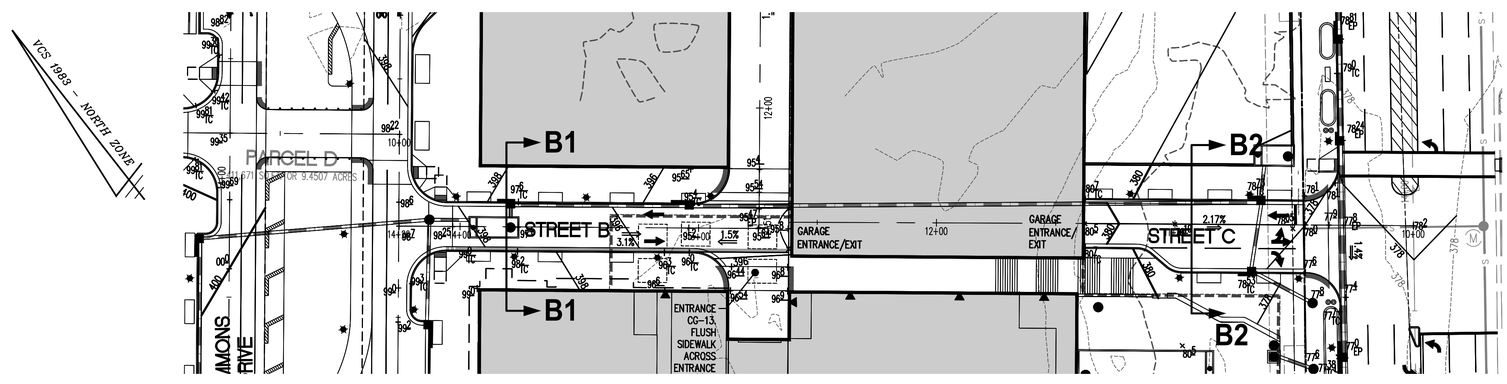
WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN

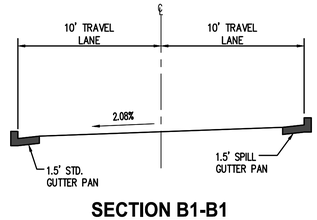
CITY OF FALLS CHURCH, VIRGINIA



STREET B

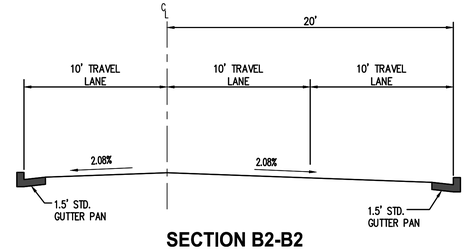


STREET B PLAN AND PROFILE



SECTION B1-B1

SCALE: 1" = 5'



SECTION B2-B2

SCALE: 1" = 5'

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SCALE: HOR. 1" = 30' VERT. 1" = 5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020
DRAWN: AVI KWI / TT
CHECKED: KW

REVISION APPROVED BY

NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

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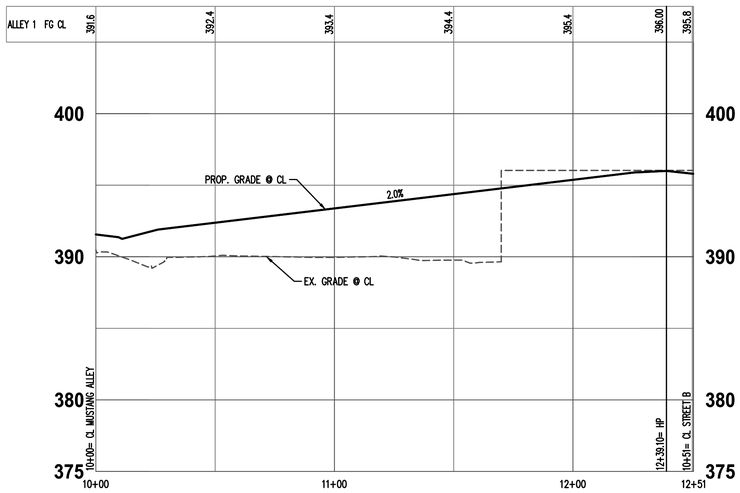
ROAD PROFILE - STREET B

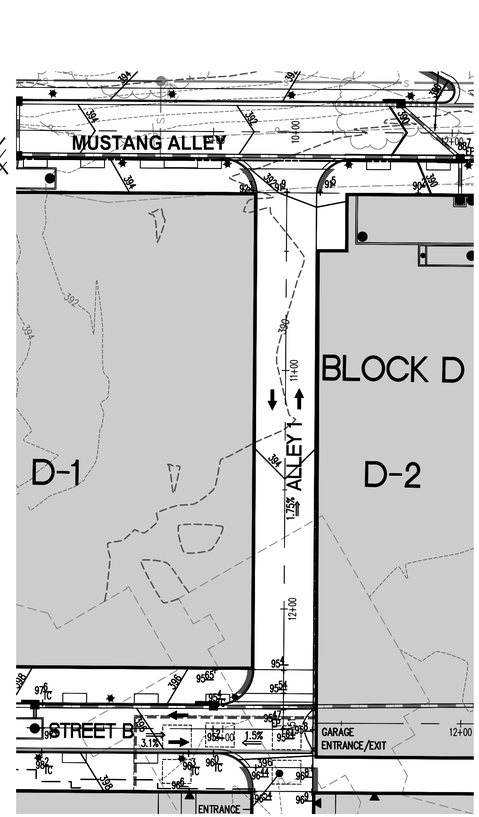
WEST FALLS CHURCH ECONOMIC DEVELOPMENT

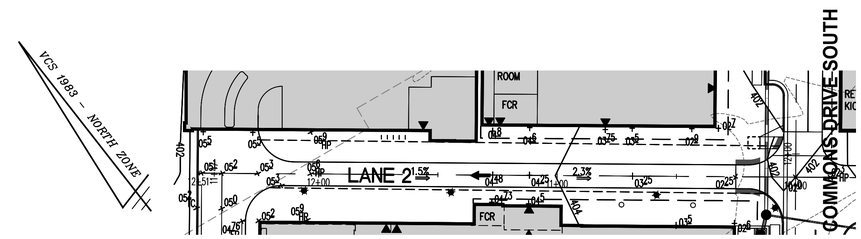
SPECIAL EXCEPTION SITE PLAN

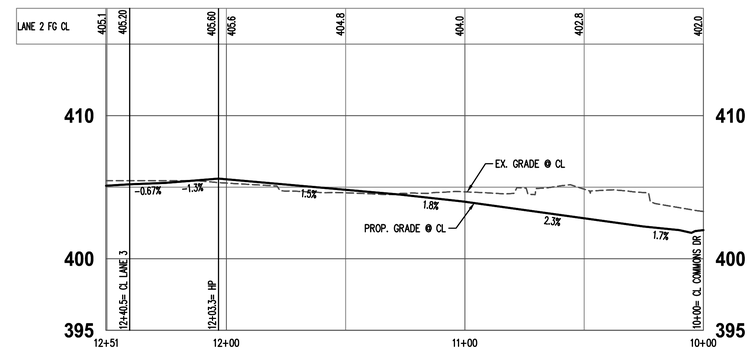
CITY OF FALLS CHURCH, VIRGINIA



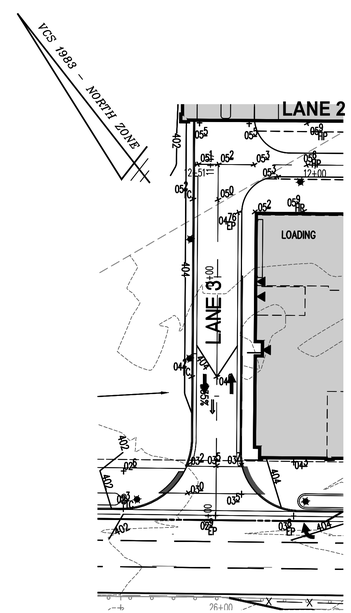
ALLEY 1



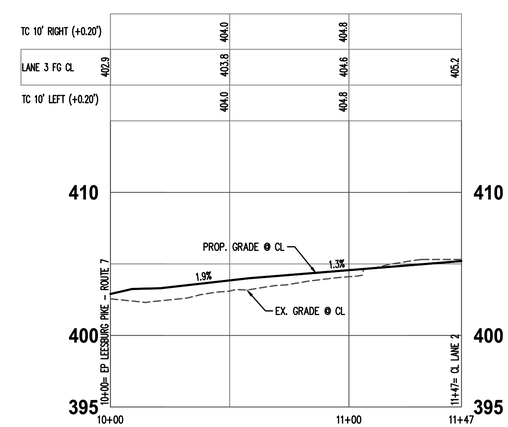




LANE 2



LEESBURG PIKE - ROUTE 7



LANE 3

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DRAWN: AI / KW / TT
CHECKED: KW
SCALE: HOR. 1"=30' VERT. 1"=5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

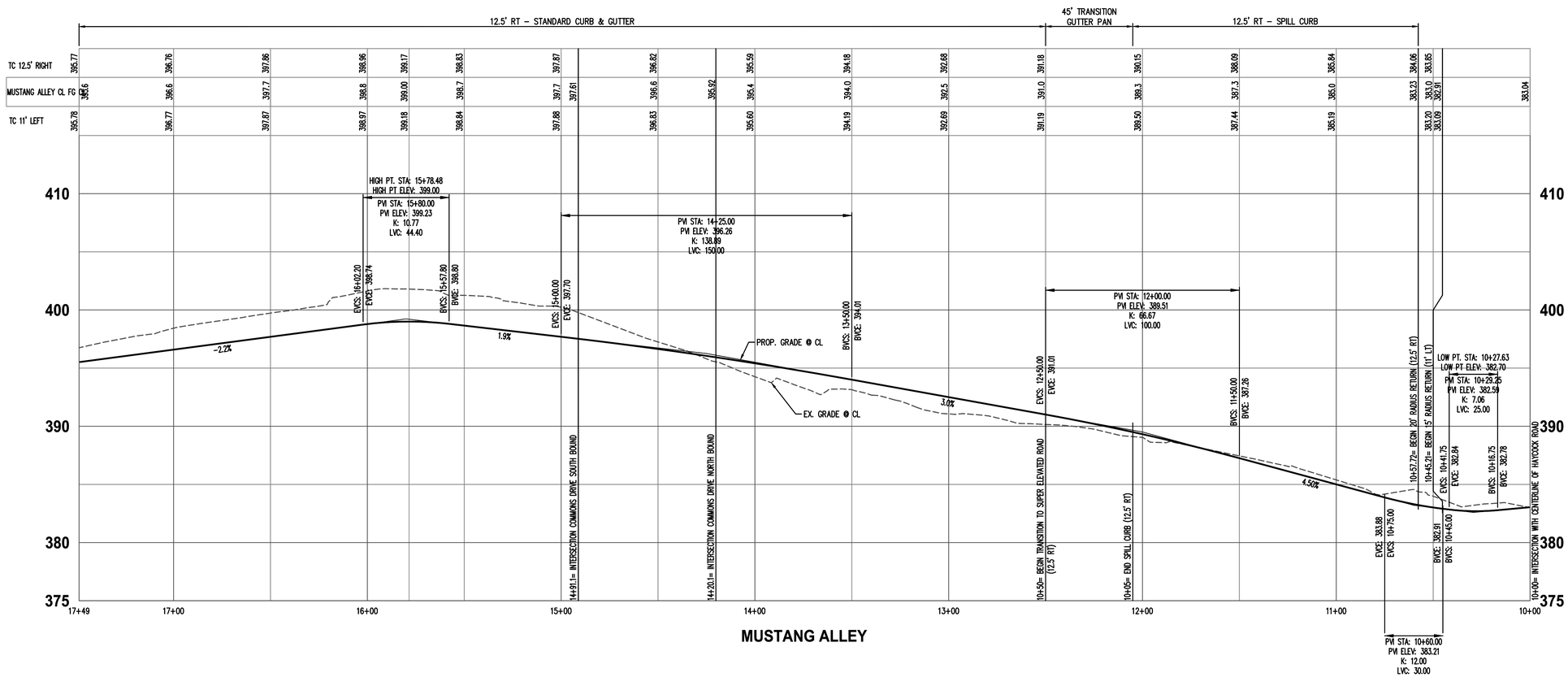
NO.	DESCRIPTION	DATE	REVISION APPROVED BY		
			REV. BY	APPROVED	DATE

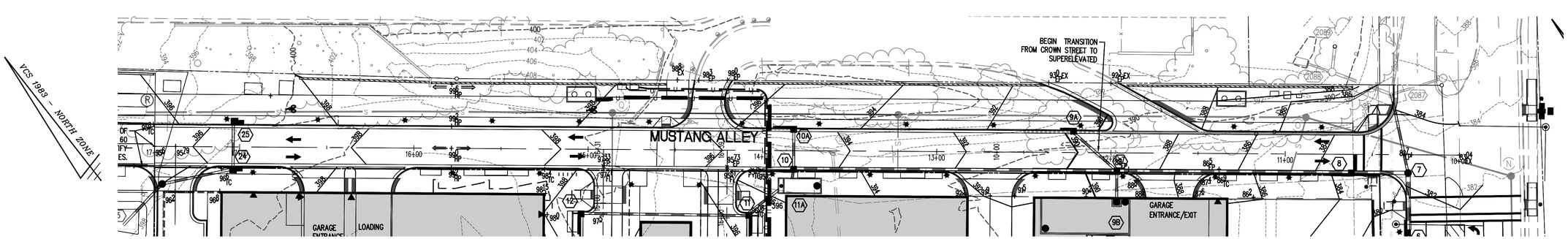
NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)

ROAD PROFILE - ALLEY 1, 2 & 3

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN
CITY OF FALLS CHURCH, VIRGINIA





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DRAWN: AH/KW/ TT	CHECKED: KW
SCALE: HOR. 1"=30' VERT. 1"=5'	DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

REVISION APPROVED BY:

NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

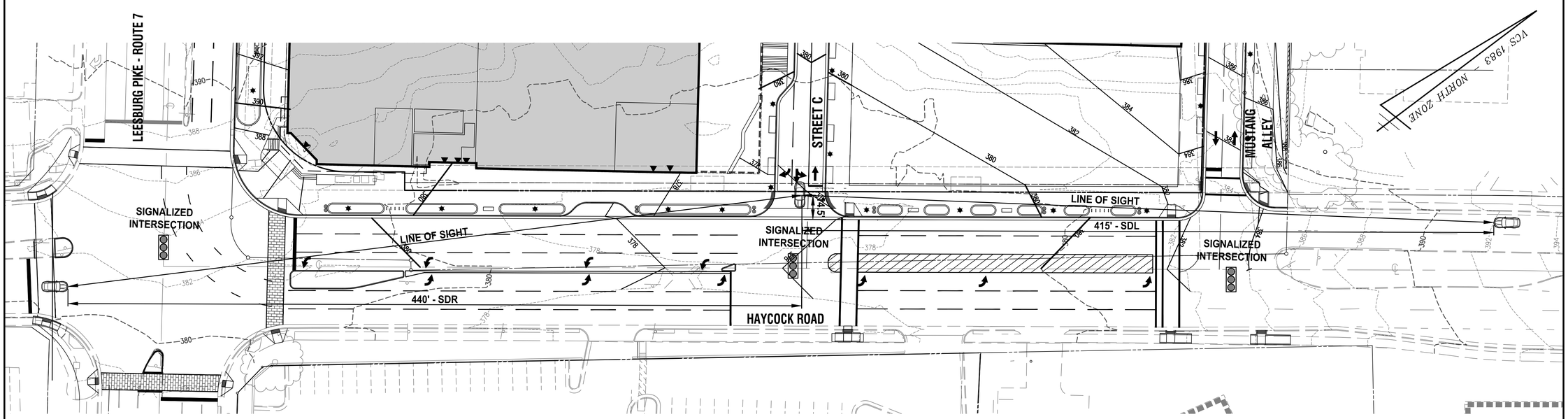
NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)

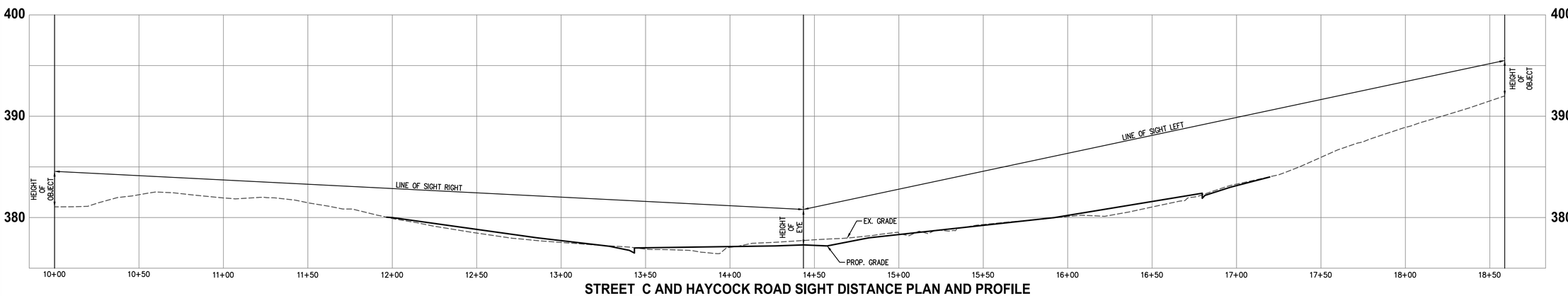
ROAD PROFILE - MUSTANG ALLEY

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN

CITY OF FALLS CHURCH, VIRGINIA





STREET C AND HAYCOCK ROAD SIGHT DISTANCE PLAN AND PROFILE

POSTED SPEED: 35 MPH
VDOT CLASSIFICATION: MINOR ARTERIAL
SIGHT DISTANCE RIGHT (SDR) = 440'
SIGHT DISTANCE LEFT (SDL) = 415'
HEIGHT OF EYE = 3.5'
HEIGHT OF OBJECT = 3.5'

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DRAWN: AI / KW / TT
CHECKED: KW

SCALE: HOR. 1" = 20' VERT. 1" = 5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

COMMONWEALTH OF VIRGINIA
KAREN L. S. WHITE
Lic. No. 041850
6/08/2020
PROFESSIONAL ENGINEER

NO.	DESCRIPTION	DATE	REV. BY	APPROVED	DATE

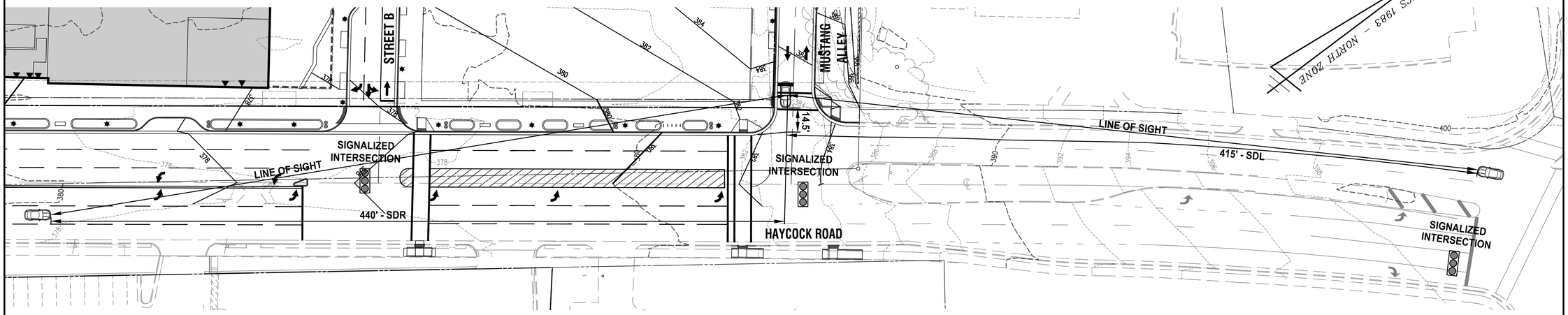
REVISION APPROVED BY

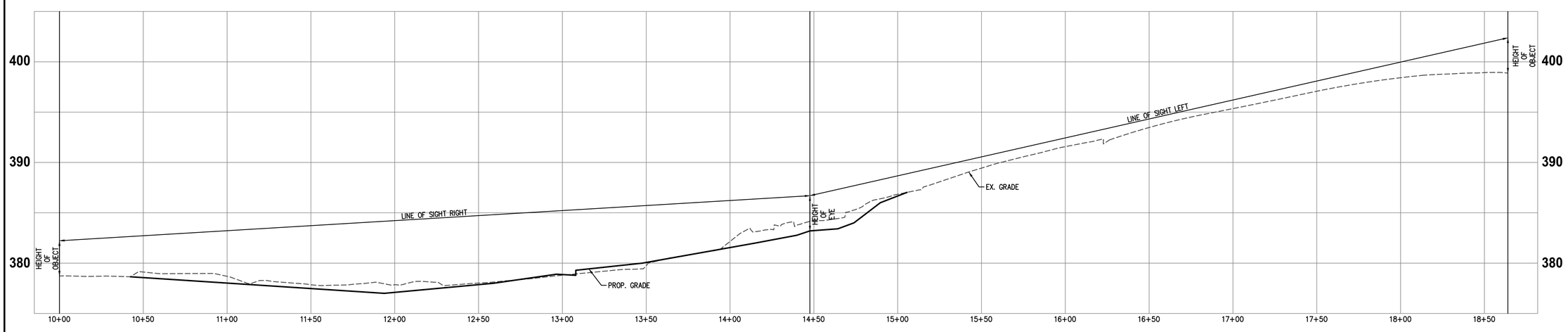
NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)

SIGHT DISTANCE PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN
CITY OF FALLS CHURCH, VIRGINIA





MUSTANG ALLEY AND HAYCOCK ROAD SIGHT DISTANCE PLAN AND PROFILE

POSTED SPEED: 35 MPH
VDOT CLASSIFICATION: MINOR ARTERIAL
SIGHT DISTANCE RIGHT (SDR) = 440'
SIGHT DISTANCE LEFT (SDL) = 415'
HEIGHT OF EYE = 3.5'
HEIGHT OF OBJECT = 3.5'

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DRAWN: AI / KW / TT
CHECKED: KW
SCALE: HOR. 1"=40' VERT. 1"=5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

COMMONWEALTH OF VIRGINIA
KAREN L. S. WHITE
Lic. No.041850
6/08/2020
PROFESSIONAL ENGINEER

REVISION APPROVED BY

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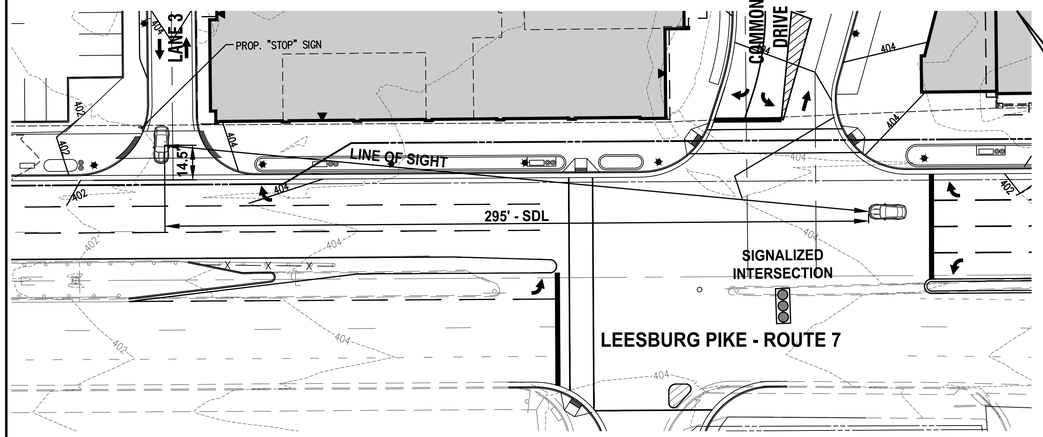
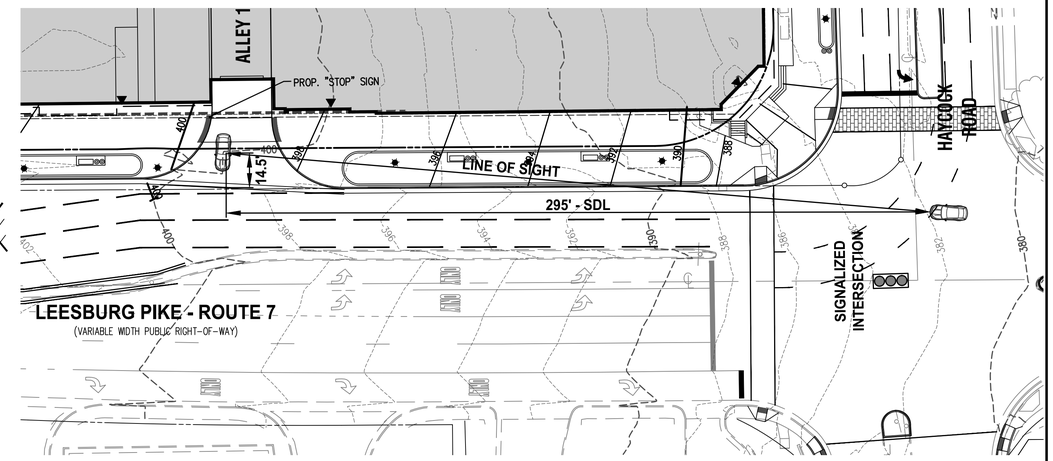
SIGHT DISTANCE PROFILES

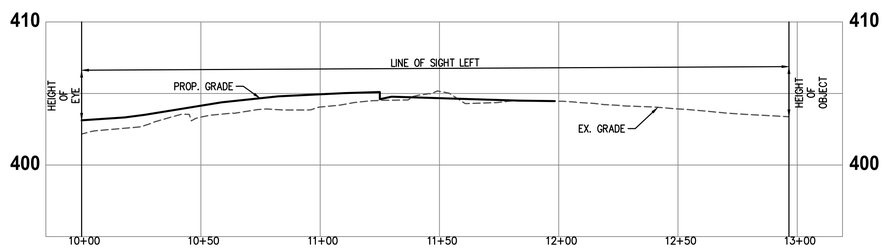
WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN

CITY OF FALLS CHURCH, VIRGINIA

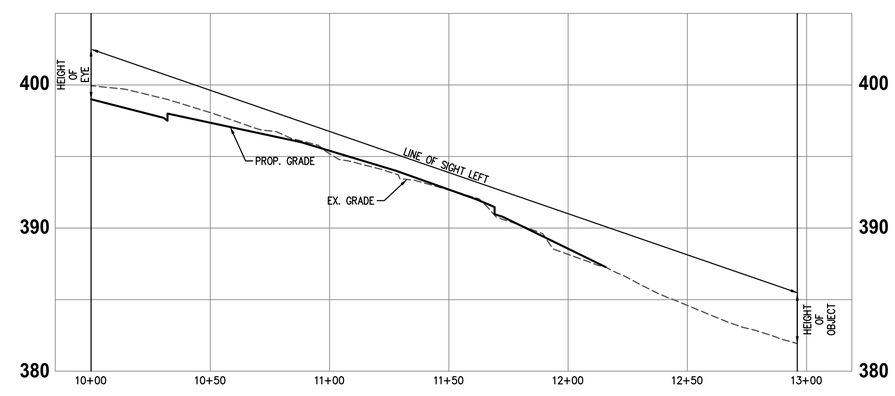






LANE 3 AND LEESBURG PIKE SIGHT DISTANCE PLAN AND PROFILE

POSTED SPEED: 25 MPH
VDOT CLASSIFICATION: OTHER PRINCIPAL ARTERIAL
SIGHT DISTANCE RIGHT (SDR) = 315' (N/A)
SIGHT DISTANCE LEFT (SDL) = 295'
HEIGHT OF EYE = 3.5'
HEIGHT OF OBJECT = 3.5'



ALLEY 1 AND LEESBURG PIKE SIGHT DISTANCE PLAN AND PROFILE

POSTED SPEED: 25 MPH
VDOT CLASSIFICATION: OTHER PRINCIPAL ARTERIAL
SIGHT DISTANCE RIGHT (SDR) = 315' (N/A)
SIGHT DISTANCE LEFT (SDL) = 295'
HEIGHT OF EYE = 3.5'
HEIGHT OF OBJECT = 3.5'

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DRAWN: AVI KW / TT
CHECKED: KW

SCALE: HOR. 1"=20' VERT. 1"=5'
DATE: SESP PRE-SUB01 5/15/2020, SESP SUB01 06/08/2020

COMMONWEALTH OF VIRGINIA PROFESSIONAL ENGINEER
KAREN L. S. WHITE
Lic. No.041850
6/08/2020

NO.	DESCRIPTION	DATE	REV.: BY	APPROVED	DATE

REVISION APPROVED BY

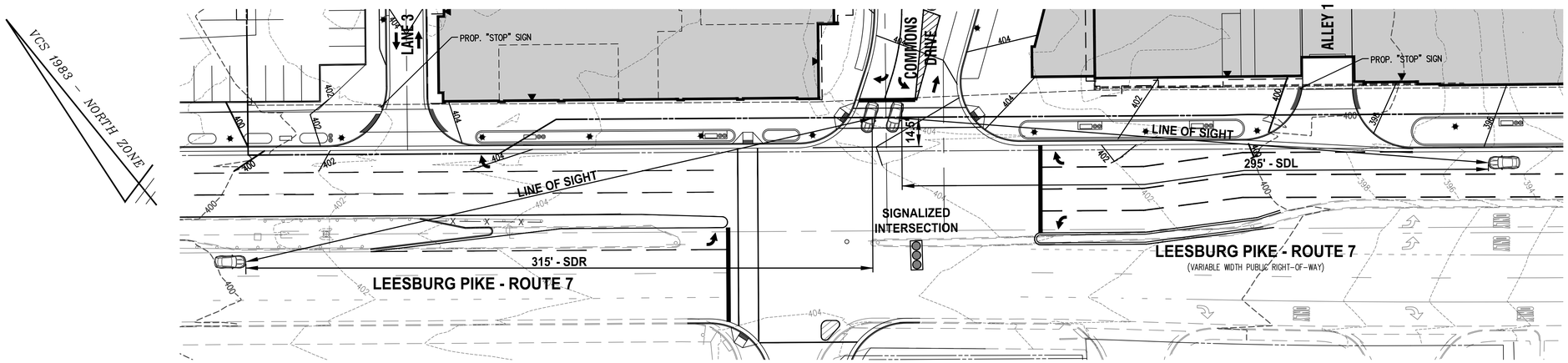
NOTE: THE VERTICAL DATUM REFERENCED ON THIS PLAN IS THE NORTH AMERICAN DATUM OF 1988 (NAVD88)

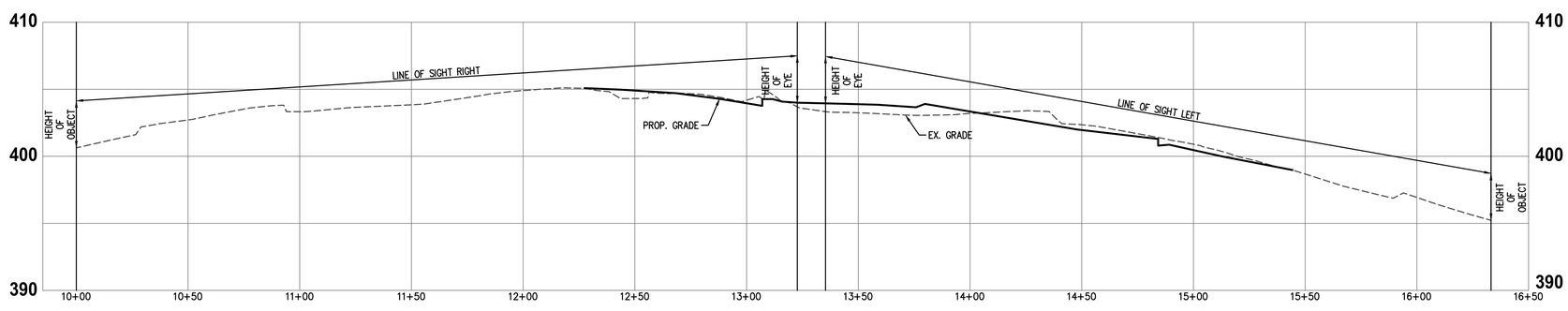
SIGHT DISTANCE PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN
CITY OF FALLS CHURCH, VIRGINIA

SHEET: C-1109





COMMONS DRIVE AND LEESBURG PIKE SIGHT DISTANCE PLAN AND PROFILE

POSTED SPEED: 25 MPH
VDOT CLASSIFICATION: MINOR ARTERIAL
SIGHT DISTANCE RIGHT (SDR) = 315'
SIGHT DISTANCE LEFT (SDL) = 295'
HEIGHT OF EYE = 3.5'
HEIGHT OF OBJECT = 3.5'

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DRAWN: AI/KW / TT
CHECKED: KW
SCALE: HOR. 1"=50' VERT. 1"=5'
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6/08/2020
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REVISION APPROVED BY					
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SIGHT DISTANCE PROFILES

WEST FALLS CHURCH ECONOMIC DEVELOPMENT

SPECIAL EXCEPTION SITE PLAN

CITY OF FALLS CHURCH, VIRGINIA