Table A: List of Modifications to Approved Site Plan				
PB Project #	Date Approved	Modification Proposed	PB Determination: Major or Minor	Revised Site Plan Required?
18-11	December 11, 2018	Removed Drive-thru	Major (Special Permit modification also required.)	Yes
N/A	October 16, 2018	Shifted and increased size of Bldg. R-9	Minor	Yes
N/A	October 16, 2018	Increased size of Bldg R-10	Minor	Yes
N/A	February 26, 2019	Changed Lighting	Minor	-
19-02	February 26, 2019	Driveway connection to 141 Parker St.	Minor	Yes
N/A	October 22, 2019	Screened Truck Bays at Market Basket	Minor	Yes
19-09	November 14, 2019	Addition of Drive-thru to Building R-8	Major (Special Permit required)	Yes
N/A	November 14, 2019	Misc. Building R-8 modifications	Minor	Yes

PAVEMENT STRIPING LEGEND

SWSL/4" = 4" SINGLE WHITE SOLID LINE
SWDL/4" = 4" SINGLE WHITE DASHED LINE
DYSL/4" = 4" DOUBLE YELLOW SOLID LINE
SYSL/4" = 4" SINGLE YELLOW SOLID LINE

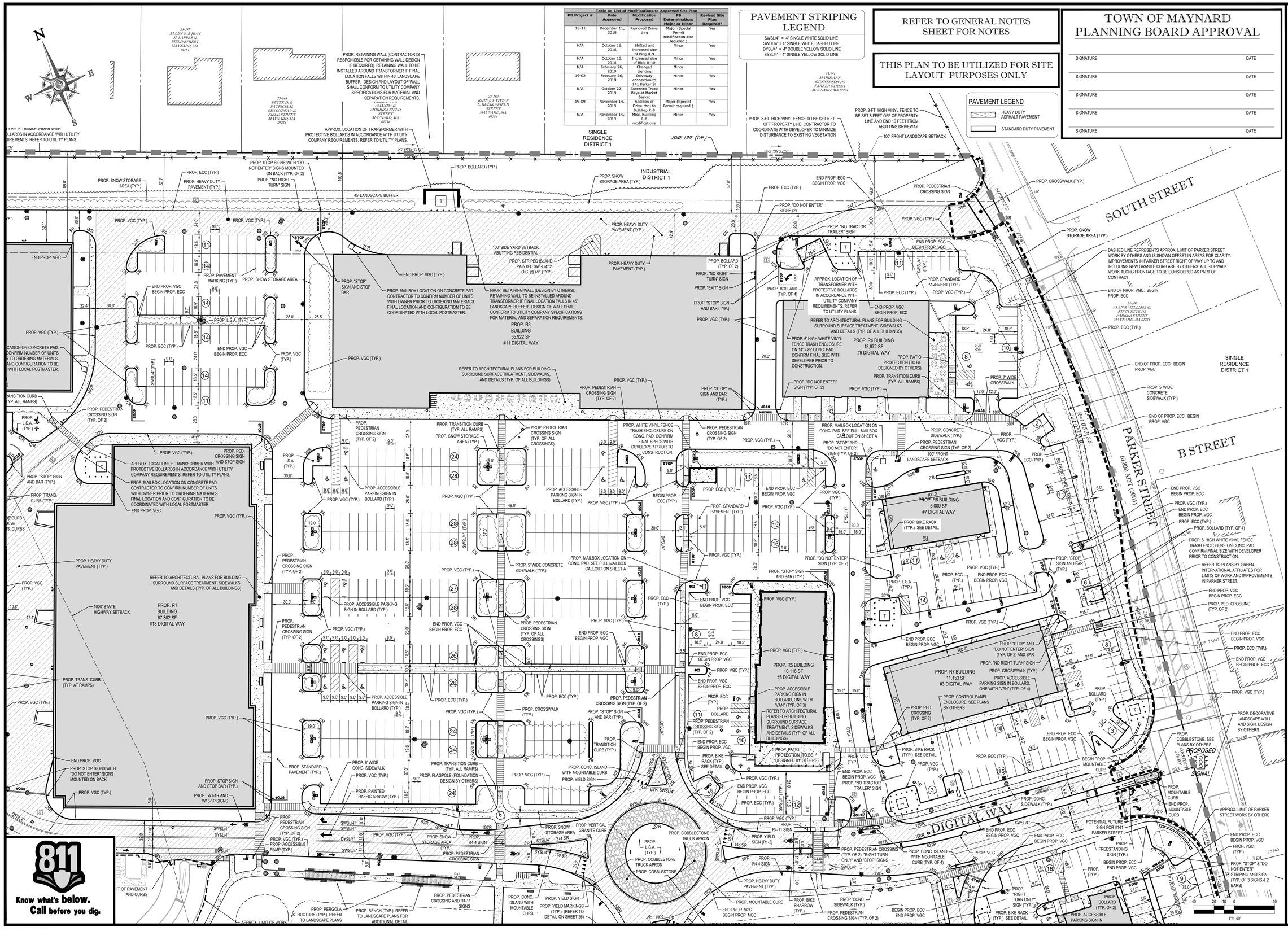
REFER TO GENERAL NOTES SHEET FOR NOTES

THIS PLAN TO BE UTILIZED FOR SITE LAYOUT PURPOSES ONLY

TOWN OF MAYNARD PLANNING BOARD APPROVAL

SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE

PAVEMENT LEGEND
HEAVY DUTY ASPHALT PAVEMENT
STANDARD DUTY PAVEMENT



REVISIONS

REV	DATE	COMMENT	BY
4	06/28/17	DRAINAGE REVISIONS (FULL SET)	AWP
5	07/26/17	REV. PER TOWN COMMENTS	AWP
6	08/10/17	PEER REVIEW COMMENTS	CFD
7	09/18/17	CONSTRUCTION DOCUMENTS	AWP
8	11/06/18	REVISED R9 / R10 PAD	CFD
9	12/10/18	REV. PER TOWN COMMENTS	CFD
10	04/23/19	REVISED R9 / R10 PAD	CMC
10A	05/13/19	REVISED PER TOWN COMMENTS	CFD
10B	07/25/19	REVISED PER TOWN COMMENTS	CMC
13	10/04/19	REVISED R4-R8 PAD	BPB
13A	11/12/19	REVISED MARKET BASKET LOADING AREA	BPB
13B	11/13/19	REVISED R8 PAD PER PB COMMENTS	BPB
13C	11/25/19	REVISED R9 PAD	BPB
13D	01/09/20	REVISED R8 PAD	BPB
15	01/16/20	REVISED R4-R7 PAD	BPB

PRELIMINARY

PROJECT No.:	W161189
DRAWN BY:	AWP/CFD
CHECKED BY:	NEM/JAK
DATE:	02/15/2017
SCALE:	AS NOTED
CAD I.D.:	W161189SS15

PROJECT: SITE DEVELOPMENT PLANS FOR CAPITAL GROUP PROPERTIES

MAYNARD CROSSING

LOCATION OF SITE
MAP #25 & LOTS #152 & 152-1
129 PARKER STREET (ROUTE 27)
TOWN OF MAYNARD
MIDDLESEX COUNTY
MASSACHUSETTS

BOHLER ENGINEERING
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
Fax: (508) 480-9080
www.BohlerEngineering.com

J.A. KUCICH

SHEET TITLE: SITE PLAN "B"

SHEET NUMBER: 9 OF 37

REV 15 - 01/16/2020

811 Know what's below. Call before you dig.

CONTRACTOR SHALL INSTALL ADA RAMPS SUCH THAT BOTTOM OF RAMP LANDINGS PROVIDE POSITIVE DRAINAGE AND NOT LOW POINTS SUSCEPTIBLE TO PONDING

GENERAL CONTRACTOR TO ENSURE ALL SIDEWALKS ARE ADA/AAB COMPLIANT WITH 2% MAXIMUM CROSS SLOPES AND 5% MAXIMUM RUNNING SLOPES. CONTRACTOR SHALL ALSO ENSURE ALL RAMPS ARE ADA/AAB COMPLIANT IN ACCORDANCE WITH RAMP DETAILS ON CONSTRUCTION DETAIL SHEETS. IF MORE INFORMATION IS NEEDED IN CERTAIN AREAS, CONTRACTOR SHALL SUBMIT AN RFI FOR CLARIFICATION.

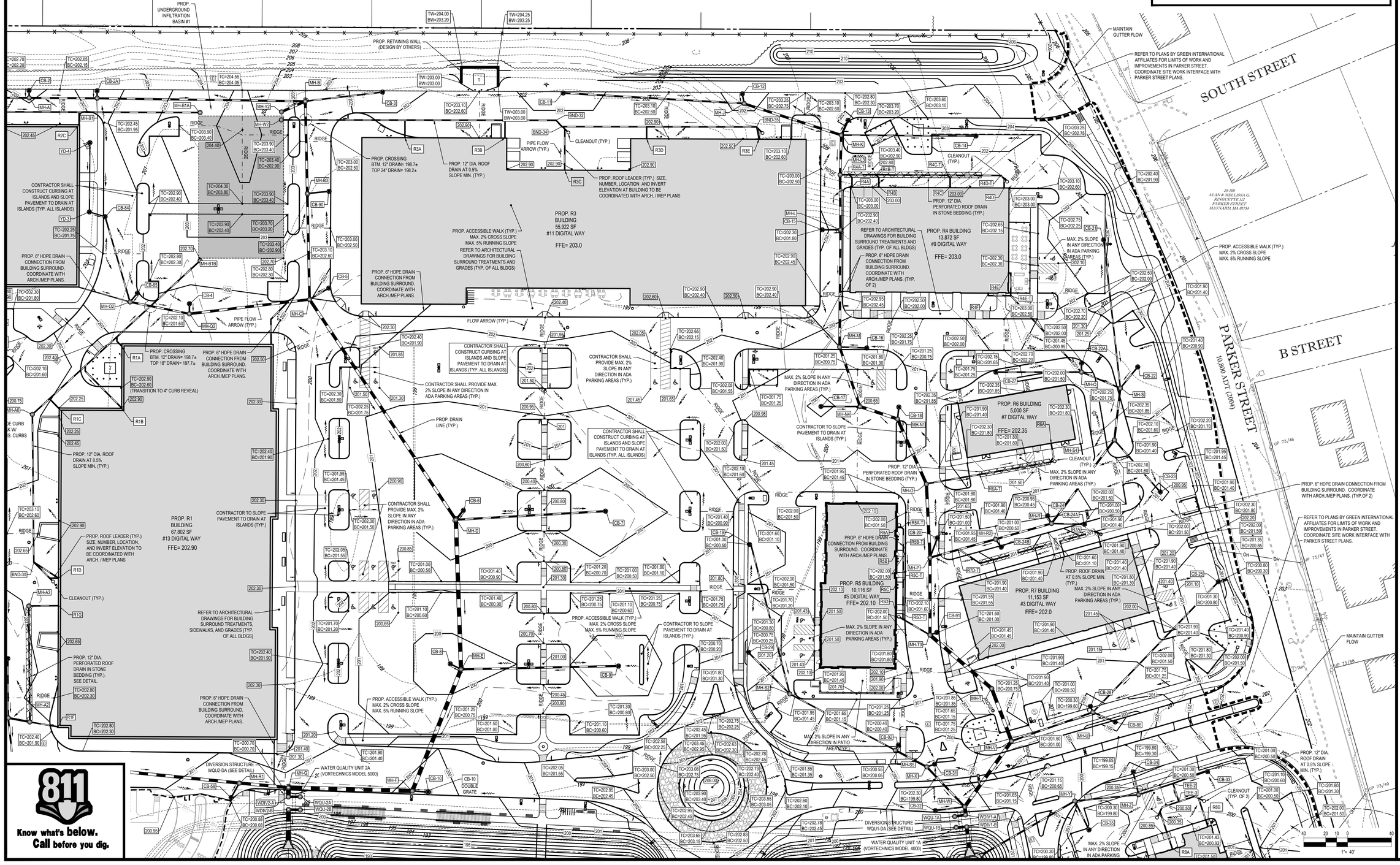
FOR PIPE WITHIN 10 FT. OF BUILDING, PIPE MATERIAL SHALL COMPLY WITH APPLICABLE BUILDING AND PLUMBING CODES. CONTRACTOR TO VERIFY WITH LOCAL OFFICIALS.

REFER TO ARCH. PLANS FOR DETAIL OF BUILDING SURROUND INCLUDING SIDEWALKS AND ADA RAMPS. COORDINATE CONNECTION OF ADA RAMPS TO ACCESSIBLE SPACES AND MAINTAIN 2% MAXIMUM SLOPE IN ALL DIRECTIONS IN ACCESSIBLE PARKING SPACE AND ACCESS AISLE AREAS. REFER TO ADA NOTES ON SHEET 2.

THIS PLAN TO BE UTILIZED FOR SITE GRADING PURPOSES ONLY

REFER TO GENERAL NOTES SHEET FOR GRADING & UTILITY NOTES

REFER TO SHEET 16 FOR STORM DRAINAGE TABLE



Know what's below. Call before you dig.

TOWN OF MAYNARD PLANNING BOARD APPROVAL

SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE

BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
SITE MANAGEMENT DESIGN
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
TECHNOLOGY UTILITIES SERVICES
UPSTATE NEW YORK
NEW ENGLAND
NEW JERSEY
LEHIGH VALLEY PA
SOUTHEASTERN PA
WILMINGTON, DE
NEW YORK METRO
PHILADELPHIA, PA
RALEIGH NC
CHARLOTTE, NC
ATLANTA, GA
TAMPA, FL
ORLANDO, FL
BALTIMORE, MD
WASHINGTON, DC AND NORTHERN VIRGINIA
CENTRAL VIRGINIA
DALLAS, TX

The information contained on this drawing is the property of BOHLER ENGINEERING and is to be used for the purpose for which it was given, or as authorized from BOHLER ENGINEERING. ALL RIGHTS RESERVED. COPYRIGHT © 2017 BOHLER ENGINEERING. ONLY APPROVED, SIGNED AND SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES.

REVISIONS

REV	DATE	COMMENT	BY
4	06/28/17	DRAINAGE REVISIONS (FULL SET)	AWP
5	07/26/17	REV. PER TOWN COMMENTS	AWP
6	08/10/17	PEER REVIEW COMMENTS	CFD
7	09/18/17	CONSTRUCTION DOCUMENTS	AWP
8	11/06/18	REVISED R9 / R10 PAD	CFD
9	12/10/18	REV. PER TOWN COMMENTS	CFD
10	04/23/19	REVISED R9 / R10 PAD	CMC
10A	05/13/19	REVISED PER TOWN COMMENTS	CFD
10B	07/25/19	REVISED PER TOWN COMMENTS	CMC
13	10/04/19	REVISED R4-R8 PAD	BPB
13A	11/12/19	REVISED MARKET BASKET LOADING AREA	BPB
13B	11/13/19	REVISED R8 PAD PER PB COMMENTS	BPB
13C	11/25/19	REVISED R9 PAD	BPB
13D	01/09/20	REVISED R8 PAD	BPB
15	01/16/20	REVISED R4-R7 PAD	BPB

PRELIMINARY

PROJECT No.:	W161189
DRAWN BY:	AWP/CFD
CHECKED BY:	NEM/JAK
DATE:	02/15/2017
SCALE:	AS NOTED
CAD I.D.:	W161189SS15

PROJECT: SITE DEVELOPMENT PLANS FOR

CAPITAL GROUP PROPERTIES

MAYNARD CROSSING

LOCATION OF SITE
MAP #25 & LOTS #152 & 152-1
129 PARKER STREET (ROUTE 27)
TOWN OF MAYNARD
MIDDLESEX COUNTY
MASSACHUSETTS

BOHLER ENGINEERING
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
Fax: (508) 480-9080
www.BohlerEngineering.com

J.A. LUCICH

SHEET TITLE:
GRADING & DRAINAGE PLAN "B"

SHEET NUMBER:
13
OF 37

REV 15 - 01/16/2020

DRAINAGE TABLE

STR.	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SIZE	PIPE LENGTH	OUT. PIPE SLOPE
B4*			194.50(CB-71*)	8"	4'	0.00%
B5*			194.50(CB-88*)	8"	9'	0.00%
B6*			194.50(CB-74*)	8"	4'	0.00%
B9*			194.50(CB-78*)	8"	11'	0.00%
B10*			194.50(CB-79*)	8"	9'	0.00%
B11A*			194.50(CB-80*)	8"	7'	0.00%
B11B*			194.50(BND-6*)	8"	3'	0.00%
B12A			195.50(CB-82)	8"	23'	0.00%
B12B			195.50(CB-83)	8"	9'	0.00%
BND-1*		194.50(CB-73*)	194.50(BND-2*)	8"	3'	0.00%
BND-2*		194.50(BND-1*)	194.50(TEE-1*)	8"	51'	0.00%
BND-3*		193.50(BND-4*)	193.50(MH-B7*)	8"	17'	0.00%
BND-4*		193.50(CB-76*)	193.50(BND-3*)	8"	11'	0.00%
BND-5*		194.50(BND-6*)	194.50(CB-81*)	8"	18'	0.00%
BND-6*		194.50(B11B*)	194.50(BND-5*)	8"	3'	0.00%
BND-7*		195.76(R3A*)	195.76(BND-8*)	12"	12'	0.51%
BND-8*		195.70(BND-7*)	195.70(BND-9*)	12"	235'	0.00%
BND-9*		195.70(BND-8*)	195.70(BND-10*)	12"	14'	0.00%
BND-10*		195.70(BND-9*)	195.70(MH-L3A*)	12"	73'	0.00%
BND-11*		195.70(BND-12*)	195.70(MH-L3A*)	12"	49'	0.00%
BND-12*		195.70(BND-13*)	195.70(BND-11*)	12"	21'	0.00%
BND-13*		195.70(BND-14*)	195.70(BND-12*)	12"	71'	0.00%
BND-14*		195.81(MH-L2*)	195.81(BND-13*)	12"	21'	0.52%
BND-15*		196.68(BND-16*)	196.68(MH-L2*)	12"	143'	0.49%
BND-16*		196.71(R3G*)	196.71(BND-15*)	12"	6'	0.49%
BND-17*		196.05(R1H*)	196.05(BND-18*)	12"	5'	1.11%
BND-18*		196.00(BND-17*)	196.00(MH-W3*)	12"	142'	0.00%
BND-19*		196.53(R1E*)	196.53(BND-20*)	12"	3'	0.91%
BND-20*		196.50(BND-19*)	196.50(MH-L1A*)	12"	134'	0.00%
BND-21*		196.58(R1C*)	196.58(BND-22*)	8"	9'	0.93%
BND-22*		196.50(BND-21*)	195.50(MH-M1A*)	12"	52'	0.00%
BND-23*		196.50(BND-24*)	195.50(MH-M1A*)	12"	29'	0.00%
BND-24*		196.60(R1B*)	196.60(BND-23*)	8"	10'	1.03%
BND-25*		196.60(R1A*)	196.60(BND-26*)	8"	10'	1.03%
BND-26*		196.50(BND-25*)	196.50(MH-N1A*)	12"	33'	0.00%
BND-27*		196.50(BND-28*)	196.50(MH-N1A*)	12"	46'	0.00%
BND-28*		196.59(R1L*)	196.59(BND-27*)	8"	9'	0.97%
BND-29		197.00(R6B-T)	197.00(MH-S)	12"	16'	0.00%
BND-30		200.24(R1D)	200.24(MH-A6)	12"	135'	0.50%
BND-31		200.32(R2A)	200.32(MH-B1A)	12"	455'	0.40%
BND-32		199.75(BND-34)	199.75(MH-W2)	12"	250'	0.40%
--		--	--	--	--	--
BND-34		199.79(BND-35)	199.79(BND-32)	12"	8'	0.51%
BND-35		200.50(R3E)	200.50(BND-34)	12"	178'	0.40%
CB-1	201.60		199.10(MH-A4)	12"	123'	0.50%
CB-1A	201.60		198.63(MH-A4)	12"	7'	1.96%
CB-2	201.70		198.24(MH-A)	12"	7'	1.96%
CB-2A	201.50		198.50(MH-B1)	12"	7'	1.96%
CB-3	201.65		197.05(MH-B)	12"	71'	0.99%
CB-4	201.14		197.00(MH-Q2)	12"	9'	1.09%
CB-5	201.80		198.00(MH-C)	12"	20'	1.08%
CB-6	199.00		195.50(MH-D)	18"	11'	2.00%
CB-7	199.15		195.38(MH-D)	18"	137'	0.50%
CB-8	199.00		195.50(MH-E)	12"	11'	2.00%
CB-9	199.00		195.22(MH-E)	18"	144'	0.50%
CB-10	199.50		195.50(MH-F)	12"	14'	0.98%
CB-11	201.20		197.16(MH-J)	15"	165'	0.50%

DRAINAGE TABLE

STR.	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SIZE	PIPE LENGTH	OUT. PIPE SLOPE
CB-12	201.60		198.00(MH-J)	12"	9'	2.01%
CB-13	201.80		197.50(MH-K)	18"	15'	2.00%
CB-14	201.55		197.00(MH-K)	12"	123'	1.00%
CB-15	201.80		196.17(MH-L)	12"	16'	1.00%
CB-16	201.00		197.00(MH-M)	12"	25'	2.00%
CB-17	199.80		195.80(MH-N4)	12"	36'	2.00%
CB-18	200.30		196.63(MH-N1)	12"	8'	1.00%
CB-19	200.50		197.10(MH-S2)	12"	142'	1.00%
CB-20	201.00		197.10(MH-P)	12"	19'	1.05%
CB-21	201.25		197.68(MH-S)	12"	136'	0.50%
CB-22	200.50		197.25(MH-S)	12"	25'	1.00%
CB-22A	200.95		197.30(MH-Q)	12"	8'	1.25%
CB-22B	200.40		197.15(MH-S3)	12"	14'	0.49%
CB-23	200.95		197.38(MH-S4)	12"	63'	1.03%
CB-24	200.45		196.60(MH-R)	12"	7'	1.90%
CB-25	200.30		195.50(MH-U)	12"	164'	0.51%
CB-26	199.20		194.99(MH-T3)	12"	24'	2.02%
CB-27	201.25		198.00(MH-Q)	12"	78'	1.03%
CB-28	199.80		195.95(MH-U)	12"	7'	2.01%
CB-29	200.25		196.66(MH-S2)	12"	54'	0.50%
(1) CB-30	202.05		200.50(MH-X)	12"	20'	26.40%
CB-31	199.50		195.44(MH-X)	12"	8'	2.00%
CB-32	199.50		195.50(MH-W)	12"	27'	1.00%
CB-33	200.00		194.86(TEE-2)	12"	33'	0.51%
CB-34	198.75		194.75(MH-Z)	12"	21'	1.03%
CB-35	199.60		195.80(MH-Y)	12"	16'	1.99%
CB-36	199.10		195.90(MH-A1)	12"	156'	1.00%
CB-37	199.05		195.70(MH-A1)	12"	15'	1.98%
CB-38	199.50		196.50(MH-C1)	12"	33'	2.00%
CB-39	199.50		196.50(MH-C1)	12"	8'	2.11%
CB-40	200.75	(4)	197.75(MH-C1)	12"	234'	1.00%
CB-41	199.70		195.00(MH-B14B) 196.33(MH-D1)	12" 15"	18' 17'	0.00% 0.77%
CB-42	199.70		196.33(MH-E1) 195.00(BASIN #14)	12" 12"	9' 5'	1.43% 0.00%
CB-43	201.25		197.00(MH-H1) 194.50(MH-B15)	15" 12"	25' 11'	3.98% 0.00%
CB-45	201.55		197.12(MH-K1)	12"	10'	0.98%
CB-46	201.85		198.35(MH-K1)	12"	131'	1.02%
--	--		--	--	--	--
CB-48	199.70		195.00(MH-F1) 195.00(BASIN #13)	15" 12"	6' 9'	0.00% 0.00%
CB-49	199.70		196.65(MH-G1)	15"	6'	2.51%
CB-50	199.85		196.43(MH-G1)	15"	70'	0.50%
CB-51*	199.00		196.03(MH-Q1*)	15"	141'	0.50%
CB-52*	199.00		195.43(MH-Q1*)	15"	7'	2.08%
CB-53*	198.00		195.04(MH-O1*)	15"	77'	1.04%
CB-54*	198.00		194.25(MH-N1*)	12"	11'	1.03%
CB-55*	198.00	194.50(MH-M1A*)	194.50(MH-M1*)	15"	10'	2.05%
CB-56*	198.40	194.50(MH-L1A*)	194.50(MH-L1)	12"	90'	1.26%
CB-57*	199.10		195.00(MH-S1*)	12"	81'	1.00%
CB-58	200.05		196.00(MH-R1)	12"	15'	0.99%
CB-59*	198.00		195.10(MH-T1*)	12"	96'	1.02%
CB-60*	198.00		194.38(MH-U1*)	12"	7'	0.99%
CB-61*	198.00		194.94(MH-V1*)	12"	10'	1.06%
CB-62*	198.10		195.31(MH-W1*)	12"	13'	0.99%
CB-63*	198.00		195.16(MH-W1*)	15"	129'	0.50%
CB-64*	199.50		195.71(MH-I2*)	12"	103'	0.50%
CB-66	199.35		196.83(FES-12A)	8"	55'	0.00%
CB-66 (1)	199.35		196.83(FES-12B)	8"	55'	0.00%
CB-68	198.91		196.83(FES-11)	8"	18'	0.00%

ADDITIONAL DRAINAGE TABLE

STR.	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SIZE	PIPE LENGTH	OUT. PIPE SLOPE
MH-B14C	199.95	195.00(CB-44)				
CB-44	199.70		196.33(MH-E1A) 195.00(MH-B14C)	12" 12"	8' 19'	1.64% 0.00%
CB-43A	201.50		194.50(MH-B16)	12"	23'	0.00%
MH-B16	202.05	194.50(CB-43A)				
CB-45A	201.75		195.50(BASIN#16A) 195.50(BASIN#16B) 198.00(MH-I1)	12" 12" 12"	3' 3' 15'	0.00% 0.00% 1.69%
MH-E1A	199.80	195.08(MH-F1) 196.20(CB-44)	195.08(MH-E1)	18"	49'	0.51%
MH-I1	202.28	195.47(MH-J1) 197.75(CB-45A)	195.47(MH-H1)	18"	134'	0.50%
--		--	--	--	--	--
R9A			196.90(R9B)	8"	53'	1.00%
R9B		196.37(R9A)	195.79(MH-J-I)	12"	58'	1.00%
CB93	198.85		195.80(MH-R10B)	12"	11'	0.94%
CB94	199.50		196.50(MH-Z7)	12"	61'	0.98%
MH-Z7	200.98	195.90(CB-94)	195.80(MH-R10B)	15"	104'	0.96%
MH-R10C	202.20	197.00(MH-R10D)	196.90(MH-R10G)	15"	88'	0.51%
MH-R10D	202.60	197.00(R10C) 197.00(MH-R10E)	197.00(MH-R10C)	15"	150'	0.00%
MH-R10E	202.20	197.00(R10B)	197.00(MH-R10D)	15"	157'	0.00%
MH-R10G	202.42	196.45(MH-R10C)	196.35(MH-Z2)	15"	15'	0.66%
MH-WQU4	201.40	193.33(MH-WQU3)	193.33(MH-Z3)	15"	27'	1.21%

DRAINAGE TABLE

STR.	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SIZE	PIPE LENGTH	OUT. PIPE SLOPE
(3) CB-69	200.50		196.60(MH-A5)	18"	42'	1.50%
CB-69A	201.00		197.50(MH-A5)	12"	54'	1.00%
CB-70*	198.45		195.95(MH-B2*) 194.50(MH-B4B*)	12" 8"	6' 31'	0.98% 0.00%
CB-71*	198.45	194.50(B4*)	195.95(MH-C2*)	12"	8'	1.01%
CB-72*	198.45	194.50(TEE-1*)	195.95(MH-D2*)	12"	7'	1.99%
CB-73*	198.60		195.95(MH-D2*) 194.50(BND-1*)	12" 8"	56' 4'	2.49% 0.00%
CB-74*	198.00	194.50(B6*)	195.50(MH-Z1*)	12"	10'	0.98%
CB-75*	198.00		195.50(MH-Y1*) 194.50(MH-B6*)	12" 8"	11' 5'	1.00% 0.00%
CB-76*	197.00		194.50(MH-G2*) 193.50(BND-4*)	12" 8"	14' 4'	1.00% 0.00%
CB-77*	198.10		194.50(MH-H2) 193.50(MH-B8*)	12" 8"	11' 36'	1.05% 0.00%
CB-78*	199.10	194.50(B9*)	195.22(MH-H2)	12"	113'	1.00%
CB-79*	198.20	194.50(B10*)	195.70(MH-F2*)	12"	59'	1.00%
CB-80*	198.20	194.50(B11A*)	195.70(MH-F2*)	12"	8'	1.08%
CB-81*	198.20	194.50(BND-5*)	195.70(MH-E2*)	12"	9'	1.05%
CB-82	200.75	195.50(B12A)	198.25(MH-N2)	12"	13'	2.02%
CB-83	200.85	195.50(B12B)	198.25(MH-N3)	12"	14'	0.98%
CB-84	201.00	197.20(YD-3)	196.69(MH-O2)	12"	81'	0.51%
CB-85	201.00		196.89(MH-O2)	12"	10'	1.06%
CB-86	198.75		194.93(MH-U)	12"	22'	1.23%
CB-87*	198.60		195.15(MH-V2*)	12"	12'	1.00%
CB-88*	198.80	194.50(B5*)	196.30(MH-HR2*)	12"	6'	0.95%
CB-89	200.50		197.50(FES-9)	12"	149'	0.45%
CB-90	202.24		198.00(MH-B3)	12"	20'	1.00%
CB-91	201.00		197.0(MH-T3)	12"	7'	2.00%
CB-92	200.05		196.10(MH-S5)	12"	5'	2.00%
FES-1		191.70(WDIV2-B)				
FES-2		192.00(WDIV1-B)				
FES-3		192.91(MH-Y)				
FES-4		192.40(MH-C1)				
(2) FES-5		189.51(MH-S1*)				
(2) FES-6		191.34(MH-L1*)				
FES-7			198.50(MH-H)	18"	105'	2.50%
FES-8		197.00(MH-HR7*)				
FES-9		196.83(CB-89)				
FES-10		193.07(MH-A1)				
FES-11		196.83(CB-68)				
FES-12A		196.83(CB-66)				
FES-12B		196.83(CB-66 (1))				
MH-A	201.90	198.11(CB-2) 198.11(MH-A4)	198.11(MH-B1)	18"	62'	0.50%
MH-A1	199.60	195.40(CB-37) 194.32(CB-36)	194.32(FES-10)	15"	124'	1.00%
MH-A2	201.65	196.55(MH-A3) 196.55(R1F)	196.55(MH-A5)	18"	20'	1.01%
MH-A3	202.10	197.60(R1G)	197.60(MH-A2)	12"	106'	0.99%
MH-A4	201.80	198.49(CB-1) 198.50(CB-1A)	198.49(MH-A)	15"	75'	0.51%
MH-A5	201.20	196.96(CB-69A) 195.97(CB-69) 196.35(MH-A2)	195.97(MH-H)	18"	36'	0.61%
MH-A6	201.75	199.57(BND-30)	199.57(MH-B1B)	12"	207'	0.52%
MH-B	202.85	196.35(CB-3) 196.35(MH-Y2) 196.85(MH-B1)	196.09(MH-B3)	24"	84'	0.50%
MH-B1	201.65	198.37(CB-2A) 197.80(MH-A)	197.80(MH-B)	18"	190'	0.50%
MH-B1A	203.60	198.50(BND-31)				
MH-B1B	202.70	198.50(MH-A6)				
MH-B2*	198.65	195.89(CB-70*) 193.29(MH-C2*)	193.29(MH-HR2*)	18"	77'	0.50%
MH-B3	202.65	195.67(MH-B) 197.80(CB-90)	195.67(MH-C)	24"	97'	0.50%
MH-B4A*	198.54		194.50(TEE-1*)	8"	14'	0.00%
MH-B4B*	198.50	194.50(CB-70*)				
MH-B6*	198.10	194.50(CB-75*)				
MH-B7*	197.40	193.50(BND-3*)				
MH-B8*	198.10	193.50(CB-77*)				
-	-	-				

ADDITIONAL DRAINAGE TABLE

STR.	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SIZE	PIPE LENGTH	OUT. PIPE SLOPE
CB-24A	200.70		196.60(MH-R)	12"	33'	0.90%
MH-N4	200.65	195.08(CB-17) 194.50(MH-M)	194.50(MH-N1)	12"	36'	0.47%
CB-24B	200.70		196.70MH-R2)	12"	10'	2.00%
MH-R2	201.25	195.70(MH-R) 196.50(CB-24B)	195.70(MH-P)	18"	70'	1.30%
R4B-T		197.00(R4B)	197.00(R4A-T)	12"	24'	0.00%
R4C			197.15(R4C-T)	6"	6'	2.50%
R4C-T		197.00(R4C)	197.00(R4B-T)	12"	48'	0.00%
R4D			197.15(R4D-T)	6"	6'	2.50%
R4D-T		197.00(R4D)	197.00(R4C-T)	12"	65'	0.00%
R4E			197.15(R4E-T)	6"	22'	0.50%
R4F			197.75(R4E-T)	6"	22'	1.00%
R4E-T		197.65(R4E) 197.65(R4F)	197.65	12"	90'	0.50%

DRAINAGE TABLE

STR.	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SIZE	PIPE LENGTH	OUT. PIPE SLOPE
-	-	-	-			
MH-B14B	200.00	195.00(CB-41)				
MH-B15	201.55	194.50(CB-43)				
MH-B16A	202.44	195.50(MH-J1)	BASIN #16A	15"	15'	0.00%
MH-B16B	202.61	195.50(BASIN #16)				
MH-C	202.05	197.78(CB-5) 195.19(MH-B3) 195.19(MH-Q2)	195.19(MH-D)	30"	241'	0.50%
MH-C1	200.12	193.35(MH-D1) 195.40(CB-40) 196.34(CB-39) 195.83(CB-38)	193.35(FES-4)	36"	96'	0.99%
MH-C2*	198.65	193.83(MH-D2*) 195.87(CB-71*)	193.83(MH-B2*)	18"	108'	0.50%
MH-D	199.30	194.70(CB-7) 195.28(CB-6) 193.99(MH-C)	193.99(MH-E)	42"	137'	0.50%
MH-D1	199.90	193.78(MH-H1) 194.35(MH-E1) 196.20(CB-41)	193.78(MH-C1)	36"	73'	0.59%
MH-D2*	198.65	194.55(CB-73*) 195.82(CB-72*)	194.18(MH-C2*)	18"	71'	0.49%
MH-E	199.30	193.31(MH-D) 195.28(CB-8) 194.50(CB-9)	193.31(MH-F)	42"	119'	0.50%
MH-E1	199.80	194.83(MH-E1A) 196.20(CB-42)	194.83(MH-D1)	24"	97'	0.50%
MH-E2*	198.40	194.35(MH-F2*) 195.61(CB-81*)	193.85(MH-P2*)	18"	113'	0.75%
MH-F	199.75	192.71(MH-E) 195.36(CB-10)	192.71(MH-G)	42"	113'	0.52%
MH-F1	199.80	195.00(CB-48) 195.60(MH-G1)	195.60(MH-E1A)	18"	104'	0.50%
MH-F2*	198.40	195.11(CB-79*) 195.61(CB-80*)	194.80(MH-E2*)	12"	66'	0.68%
MH-G	200.75	192.12(MH-F) 192.69(MH-R1)	192.12(WDIV2-A)	48"	8'	0.59%
MH-G1	199.80	196.50(CB-49) 196.08(CB-50) --	196.08(MH-F1)	18"	93'	0.51%
MH-G2*	197.24	191.07(MH-X1*) 194.36(CB-76*)	191.09(MH-H2)	24"	130'	0.75%
MH-H	201.30	195.75(MH-A5) 195.87(FES-7)	195.75(MH-R1)	30"	208'	0.50%
MH-H1	201.55	194.80(MH-I1) 196.02(CB-43)	194.80(MH-D1)	18"	209'	0.49%
(2) MH-H2	198.26	194.09(CB-78*) 191.39(MH-K2*) 194.38(CB-77*) 185.03(MH-Z6) 190.11(MH-GZ*)	185.03(MH-H3)	60"	29'	0.82%
MH-H3	196.30	184.79(MH-H2)				
MH-HR1*	198.93	195.00(MH-HR3*)	195.00(MH-HR2*)	15"	13'	2.00%
MH-HR2*	198.95	192.90(MH-B2*) 196.24(CB-88*) 194.75(MH-HR1*)	193.20(MH-P2*)	18"	60'	0.50%
MH-HR3*	198.71	195.00()	195.00(MH-HR1*)	12"	95'	0.00%
MH-HR4*	199.90	197.00(RCC-BND2*)	197.00(RCC-BND3*)	12"	77'	0.00%
MH-HR5*	200.30	197.00(RCC-BND4*)	197.00(RCC-BND5*)	12"	60'	0.00%
MH-HR6*	200.35	197.00()	197.00(MH-HR7*)	12"	163'	0.00%
MH-HR7*	199.90	197.00(MH-HR8*) 197.00(MH-HR8*)	197.00(FES-8)	12"	39'	0.00%
MH-HR8*	200.50	197.00(MH-HR9*) 197.35(YD-1*)	197.00(MH-HR7*)	12"	32'	0.00%
MH-HR9*	200.00	197.60(YD-2*) 197.00(MH-HR10*)	197.00(MH-HR8*)	12"	51'	0.00%
MH-HR10*	200.80	197.00(MH-HR11*)	197.00(MH-HR9*)	12"	31'	0.00%
MH-HR11*	200.19	197.00(MH-HR12*)	197.00(MH-HR10*)	12"	45'	0.00%
MH-HR12*	199.90	197.00(RCC-9*)	197.00(MH-HR11*)	12"	35'	0.00%
MH-I1	REFER TO ADDITIONAL DRAINAGE TABLE BELOW					
MH-I2*	199.25	195.20(CB-64*)	195.20(MH-V2*)	12"	33'	0.51%
MH-J	201.85	197.82(CB-12) 196.33(CB-11)	196.23(MH-K)	24"	93'	0.51%
(4) MH-J1	202.50	195.50(MH-B15A) 195.79(MH-K1)	195.79(MH-I1)	15"	70'	0.46%
MH-K	202.15	197.20(CB-13) 195.77(CB-14) 195.75(MH-J)	195.75(MH-L3)	24"	36'	0.50%
MH-K1	201.75	197.02(CB-45) 197.02(CB-46)	196.02(MH-J1)	15"	25'	0.93%
MH-K2*	198.50		192.50(MH-H2)	15"	55'	2.00%
MH-L	202.40	196.00(CB-15) 195.32(MH-L3)	195.32(MH-M)	24"	107'	0.50%
MH-L1*	199.90	192.37(MH-M1*)	191.68(FES-6)	36"	68'	0.50%
MH-L1A*	199.80	196.50(BND-20*)	195.03(CB-56*)	12"	26'	2.01%
MH-L2*	199.53	195.98(BND-15*)	195.98(BND-14*)	12"	34'	0.50%
MH-L3	202.40	195.57(MH-K) 197.00(R4A-T)	195.57(MH-L)	24"	51'	0.49%
MH-L3A*	199.35	195.70(BND-11*) 195.70(BND-10*)	195.70(MH-LR4*)	12"	69'	0.51%
MH-LR1*	199.07					
MH-LR2*	198.80					
MH-LR3*	199.65					
MH-LR4*	199.80	195.35(MH-L3A*)				
MH-LR5*	198.85					
MH-M	201.35	196.50(CB-16) 194.78(MH-L)	194.78(MH-N4)	24"	57'	0.50%
MH-M1*	198.20	194.30(CB-55*) 192.99(MH-N1*)	192.99(MH-L1*)	30"	124'	0.50%
MH-M1A*	198.15	195.50(BND-23*) 195.50(BND-22*)	194.61(CB-55*)	12"	11'	0.98%

DRAINAGE TABLE

STR.	RIM/ GRT	INV. IN	INV. OUT	OUT. PIPE SIZE	PIPE LENGTH	OUT. PIPE SLOPE
MH-M2*	200.65	194.54(MH-P1*)	194.54(MH-O1*)	30"	107'	0.51%
MH-N	200.65	194.41(MH-M) 195.08(CB-17)	194.41(MH-N4)	30"	36'	0.50%
MH-N1*	200.50	196.55(CB-18) 194.33(MH-N4)	194.33(MH-O)	30"	68'	0.52%
MH-N1A*	198.10	196.50(BND-26*) 196.50(BND-27*)	196.50(MH-N1*)	8"	15'	2.05%
MH-N2	201.34	196.79(MH-N3) 197.98(CB-82)	196.69(MH-Z2)	12"	12'	2.50%
MH-N3	201.30	198.11(CB-83)	198.01(MH-N2)	12"	122'	1.00%
MH-O	201.30	193.99(MH-N1) 197.00(R5A-T)	193.99(MH-P)	30"	67'	0.50%
MH-O1*	198.80	194.24(CB-53*) 193.99(MH-M2*)	193.99(MH-N1*)	30"	61'	0.57%
MH-O2	201.25	196.28(CB-84) 196.78(CB-85)	196.03(MH-Q2)	18"	55'	0.51%
MH-P	201.25	194.80(MH-R2) 193.66(MH-O) 196.90(CB-20)	193.66(MH-T3)	30"	70'	0.50%
MH-P1*	200.15	195.00(MH-Q1*)	195.00(MH-M2*)	30"	93'	0.50%
MH-P2*	199.90	192.90(MH-HR2*) 193.00(MH-E2*)	192.90(MH-Z1*)	24"	71'	0.50%
MH-Q	201.00	197.20(CB-27) 197.20(CB-22A)	197.20(MH-S)	18"	38'	0.54%
MH-Q1*	199.25	195.29(CB-52*) 195.32(CB-51*) 197.20(R4E-T)	195.32(MH-P1*)	30"	63'	0.51%
MH-Q2	201.25	195.75(MH-O2) 196.90(CB-4)	195.74(MH-C)	24"	110'	0.50%
MH-R	201.00	196.45(CB-24) 196.30(CB-24A) 196.30(MH-S4)	196.30(MH-R2)	18"	45'	1.30%
MH-R1	200.28	194.71(MH-H) 195.85(CB-58)	192.92(MH-G)	30"	45'	0.51%
MH-WQU3	200.80	193.90(MH-R10B)	193.80(MH-WQU4)	15"	39'	1.21%
MH-R10B	199.35	195.70(CB-93) 194.80(MH-Z7)	194.70(MH-WQU3)	15"	99'	0.81%
MH-S	200.80	197.00(CB-21) 197.00(CB-22) 197.00(MH-Q)	197.00(MH-S4)	18"	47'	0.57%
MH-S1*	200.95	194.19(CB-57*) 190.00(MH-T1*)	189.96(FES-5)	30"	92'	0.49%
MH-S2	201.40	196.39(CB-19) 196.39(CB-29) 197.00(R5D-T)	196.39(MH-S5)	12"	109'	0.50%
--		--	--	--	--	--
MH-S4	202.25	196.73(MH-S) 196.73(CB-23)	196.73(MH-R)	18"	95'	0.50%
MH-S5	201.60	196.00(CB-92) 195.84(MH-S2)	195.84(MH-X)	18"	111'	0.50%
MH-T	201.20	193.00(MH-T3)	193.00(MH-V)	36"	51'	0.50%
MH-T1*	198.90	193.46(MH-U1*) 194.12(CB-59*)	190.79(MH-S1*)	30"	157'	0.50%
MH-T3	201.10	193.31(MH-P) 196.85(CB-91) 196.45(R5D-T)	193.31(MH-T)	36"	75'	0.45%
MH-U	200.30	195.80(CB-28) 194.66(CB-25) 194.66(CB-86)	194.66(MH-V)	15"	78'	1.21%
MH-U1*	198.15	193.65(MH-V1*) 194.31(CB-60*)	193.65(MH-T1*)	30"	36'	0.53%
MH-V	201.60	193.72(MH-U) 192.74(MH-T)	192.74(MH-W)	36"	74'	0.53%
MH-V1*	198.60	194.17(MH-W1*) 194.83(CB-61*)	194.17(MH-U1*)	30"	105'	0.50%
MH-V2*	198.90	195.03(MH-I2*) 195.03(CB-87*)	195.03(MH-W1*)	12"	101'	0.50%
MH-W	199.75	192.35(MH-V) 194.77(MH-X) 195.23(CB-32)	192.35(WDIV1-A)	36"	7'	1.51%
MH-W1*	198.70	195.18(CB-62*) 194.52(CB-63*) 194.52(MH-V2*) 194.70(MH-W3*)	194.52(MH-V1*)	30"	69'	0.50%
MH-W2	203.50	198.75(BND-32)				
MH-W3*	199.80	196.00(BND-18*)	196.00(MH-W1*)	12"	132'	0.99%
MH-X	199.60	195.29(MH-S5) 195.29(CB-30) 195.29(CB-31)	195.29(MH-W)	18"	50'	1.04%
MH-X1*	199.25	191.77(MH-Y1*)	191.77(MH-G2*)	24"	142'	0.49%
MH-Y	200.12	195.48(CB-35) 193.91(MH-Z)	193.91(FES-3)	15"	100'	1.00%
MH-Y1*	198.20	192.10(MH-Z1*) 195.39(CB-75*)	192.10(MH-X1*)	24"	67'	0.49%
MH-Y2	203.45		196.60(MH-B)	24"	24'	1.05%
MH-Z	200.30	194.53(TEE-2) 194.53(CB-34)	194.50(MH-Y)	12"	58'	1.01%
MH-Z1*	198.20	192.54(MH-P2*) 195.40(CB-74*)	192.54(MH-Y1*)	24"	88'	0.50%
MH-Z2	201.80	187.51(OCS-1) 196.40(MH-N2) 196.25(MH-R10G)	187.51(MH-Z3)	60"	240'	0.30%
MH-Z3	200.70	186.79(MH-Z2) 193.00(MH-WQU4)	186.79(MH-Z4)	60"	193'	0.30%
(2) MH-Z4	199.50	186.21(MH-Z3)	186.21(MH-Z5)	60"	213'	0.30%

GC TO COORDINATE WITH DPW PRIOR TO CONSTRUCTION TO SEE IF EXISTING WATER MAIN CAN BE RE-UTILIZED TO SERVICE THE PROJECT.

FINAL NUMBER AND LOCATION OF TRANSFORMERS SHALL BE COORDINATED WITH UTILITY COMPANY. TRANSFORMERS SHALL BE LOCATED WITH PROPER OFFSETS AND SETBACK DISTANCES AND SHALL BE INSTALLED WITH BOLLARD PROTECTION IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS

ALL GREASE TRAPS SHALL BE VENTED PER BUILDING/PLUMBING CODE. VENTS SHALL BE CAST IRON

A HYDRANT SHALL BE LOCATED WITHIN 100-FT. OF EACH BUILDING FDC. CONTRACTOR SHALL COORDINATE FINAL HYDRANT LOCATIONS WITH FIRE DEPARTMENT

GC SHALL COORDINATE LOCATION OF ALL UTILITY SERVICE PENETRATIONS WITH ARCH./MEP PLANS UPON FINAL TENANT FIT OUT

CONTRACTOR SHALL COORDINATE ELECTRIC, TELEPHONE, AND GAS SERVICE DESIGNS WITH DEVELOPER AND UTILITY COMPANIES. UTILITY COMPANY DESIGNS SHALL CONFIRM SIZE AND QUANTITY OF CONDUITS, PIPE SIZING, CONCRETE ENCASEMENT, AND CONDUIT JUNCTION POINTS / CHANGES IN DIRECTION AND VAULT / HANDHOLE LOCATIONS, QUANTITY AND SIZING REQUIREMENTS, ETC.

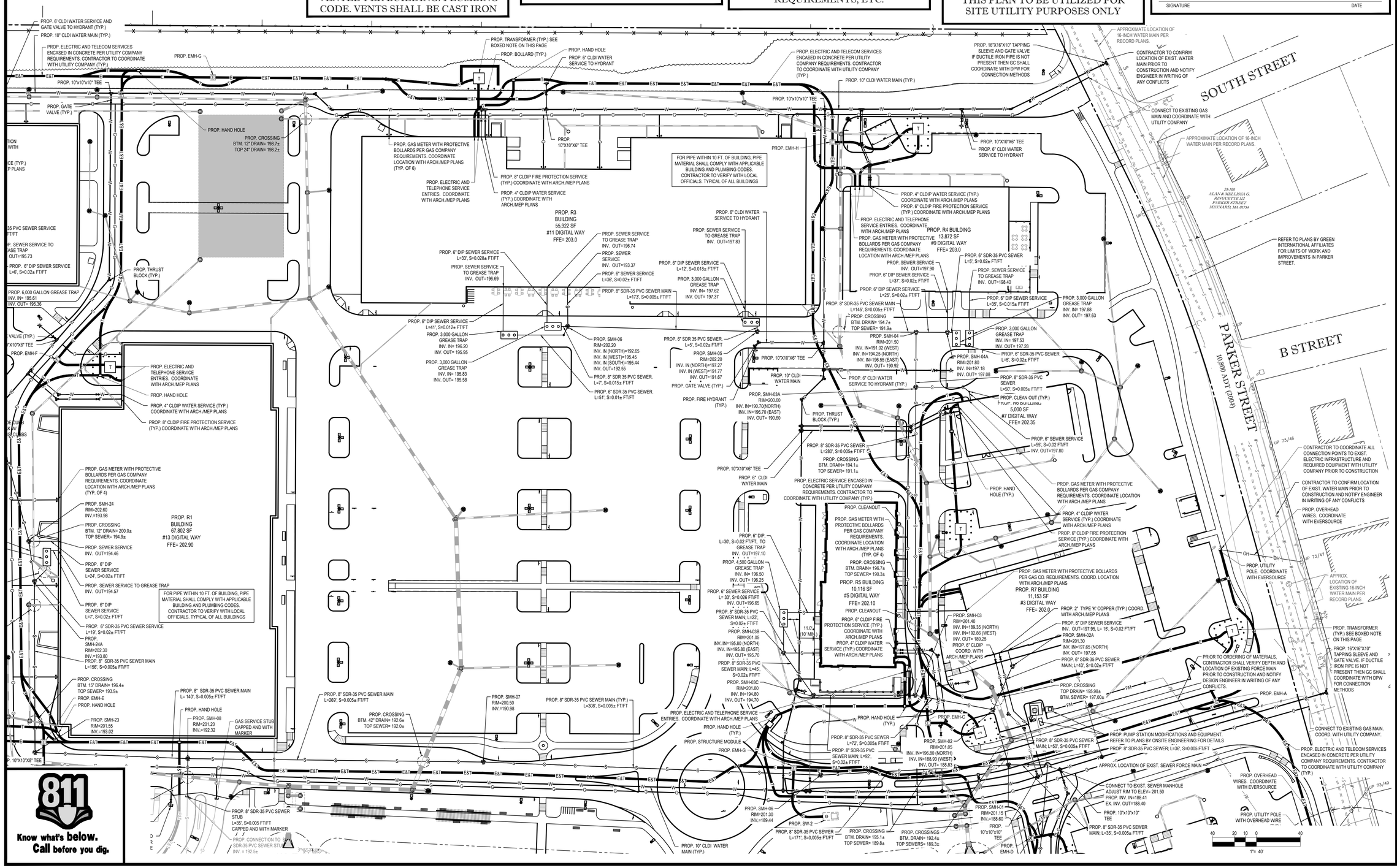
GREASE TRAP SIZES AS SHOWN ARE APPROXIMATE. FINAL SIZE REQUIREMENTS TO BE COORDINATED WITH DEVELOPER PRIOR TO CONSTRUCTION BASED ON TENANT REQUIREMENTS.

REFER TO GENERAL NOTES SHEET FOR GRADING & UTILITY NOTES

THIS PLAN TO BE UTILIZED FOR SITE UTILITY PURPOSES ONLY

TOWN OF MAYNARD PLANNING BOARD APPROVAL

SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE



811 Know what's below. Call before you dig.

P:\161\161189\Drawings\Plan Sets\REV15\161189sv15.dwg - 18JAN B. 10/8/2014, 4:26:00 PM, bbarry, XerxesX510-1.pc3, User634, 1:0.99999997

BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
SUSTAINABLE DESIGN
PROGRAM MANAGEMENT
LANDSCAPE ARCHITECTURE
TECHNOLOGY SERVICES
UPSTATE NEW YORK
NEW ENGLAND
NEW YORK METRO
NEW JERSEY
LEHIGH VALLEY PA
SOUTHEASTERN PA
WILMINGTON, DE
BALTIMORE, MD
WASHINGTON, DC AND NORTHERN VIRGINIA
PHILADELPHIA, PA
RALEIGH NC
CHARLOTTE, NC
ATLANTA, GA
TAMPA, FL
ORLANDO, FL
DALLAS, TX
CENTRAL VIRGINIA

THE INFORMATION CONTAINED ON THIS DRAWING IS THE SOLE PROPERTY OF BOHLER ENGINEERING AND MAY NOT BE REPRODUCED OR USED FOR ANY PURPOSE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM BOHLER ENGINEERING. ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE, ARE EXPRESSLY EXCLUDED.

REVISIONS

REV	DATE	COMMENT	BY
4	06/28/17	DRAINAGE REVISIONS (FULL SET)	AWP
5	07/26/17	REV. PER TOWN COMMENTS	AWP
6	08/10/17	PEER REVIEW COMMENTS	CFD
7	09/18/17	CONSTRUCTION DOCUMENTS	AWP
8	11/06/18	REVISED R9 / R10 PAD	CFD
9	12/10/18	REV. PER TOWN COMMENTS	CFD
10	04/23/19	REVISED R9 / R10 PAD	CMC
10A	05/13/19	REVISED PER TOWN COMMENTS	CFD
10B	07/25/19	REVISED PER TOWN COMMENTS	CMC
13	10/04/19	REVISED R4-R8 PAD	BPB
13A	11/12/19	REVISED MARKET BASKET LOADING AREA	BPB
13B	11/13/19	REVISED R8 PAD PER PB COMMENTS	BPB
13C	11/25/19	REVISED R9 PAD	BPB
13D	01/09/20	REVISED R8 PAD	BPB
15	01/16/20	REVISED R4-R7 PAD	BPB

PRELIMINARY

PROJECT No.:	W161189
DRAWN BY:	AWP/CFD
CHECKED BY:	NEM/JAK
DATE:	02/15/2017
SCALE:	AS NOTED
CAD I.D.:	W161189SS15

PROJECT:
SITE DEVELOPMENT PLANS
FOR
CAPITAL GROUP PROPERTIES
MAYNARD CROSSING
LOCATION OF SITE
MAP #25 & LOTS #152 & 152-1
129 PARKER STREET (ROUTE 27)
TOWN OF MAYNARD
MIDDLESEX COUNTY
MASSACHUSETTS

BOHLER ENGINEERING
352

THIS PLAN TO BE UTILIZED FOR SITE SOIL AND EROSION CONTROL PURPOSES ONLY

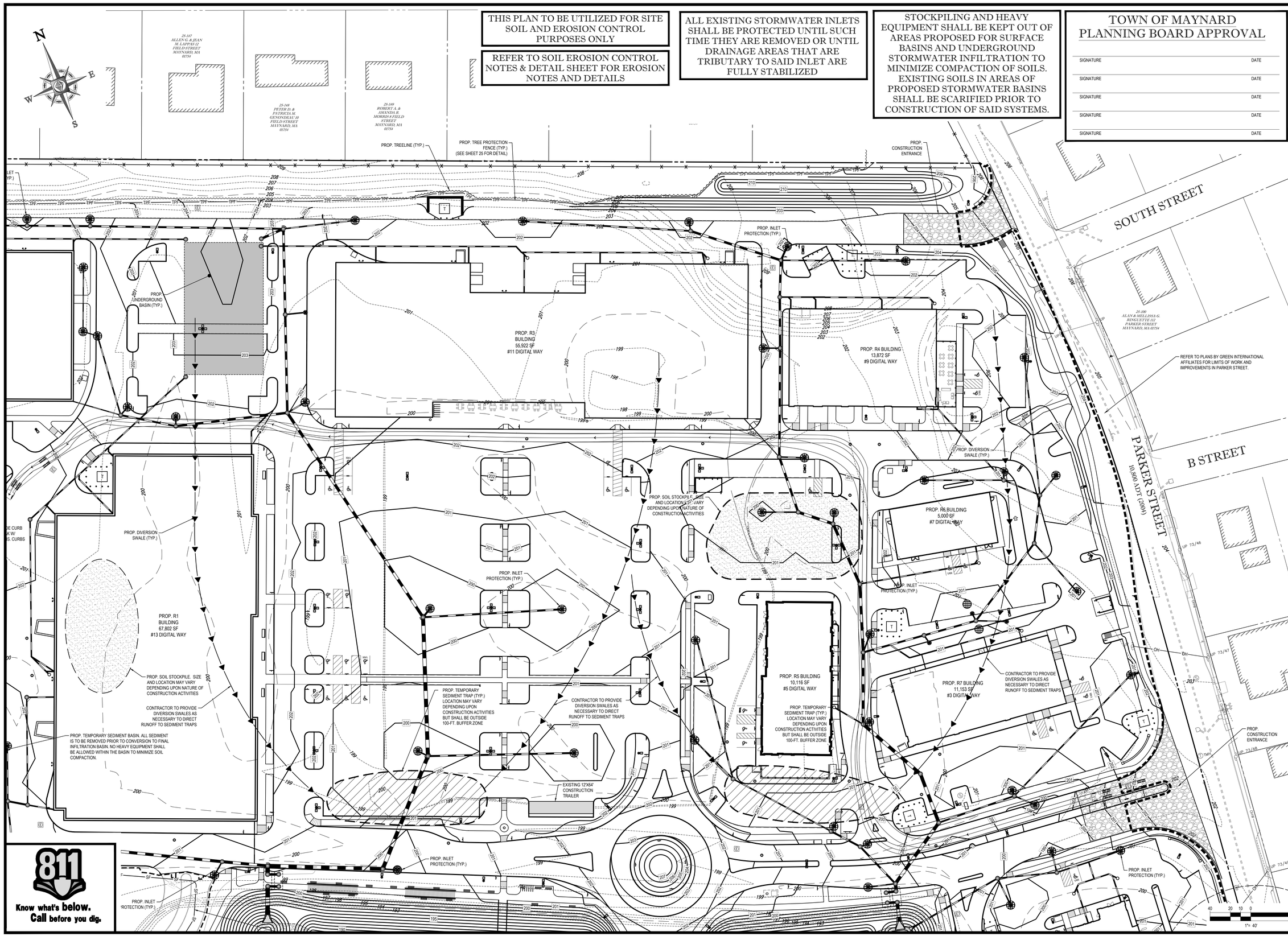
REFER TO SOIL EROSION CONTROL NOTES & DETAIL SHEET FOR EROSION NOTES AND DETAILS

ALL EXISTING STORMWATER INLETS SHALL BE PROTECTED UNTIL SUCH TIME THEY ARE REMOVED OR UNTIL DRAINAGE AREAS THAT ARE TRIBUTARY TO SAID INLET ARE FULLY STABILIZED

STOCKPILING AND HEAVY EQUIPMENT SHALL BE KEPT OUT OF AREAS PROPOSED FOR SURFACE BASINS AND UNDERGROUND STORMWATER INFILTRATION TO MINIMIZE COMPACTION OF SOILS. EXISTING SOILS IN AREAS OF PROPOSED STORMWATER BASINS SHALL BE SCARIFIED PRIOR TO CONSTRUCTION OF SAID SYSTEMS.

TOWN OF MAYNARD PLANNING BOARD APPROVAL

SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE



811 Know what's below. Call before you dig.

BOHLER ENGINEERING

SITE CIVIL AND CONSULTING ENGINEERING
LANDSCAPE ARCHITECTURE
PROGRAM MANAGEMENT
TECHNOLOGY SOLUTIONS
LAND SURVEYING
SUSTAINABLE DESIGN
CONSTRUCTION SERVICES

- UPSTATE NEW YORK
- NEW ENGLAND
- NEW YORK METRO
- NEW JERSEY
- LEHIGH VALLEY PA
- SOUTHEASTERN PA
- DELAWARE VALLEY PA, DE
- PHILADELPHIA, PA
- BALTIMORE, MD
- WASHINGTON, DC AND NORTHERN VIRGINIA
- CENTRAL VIRGINIA
- RALEIGH NC
- CHARLOTTE, NC
- ATLANTA, GA
- TAMPA, FL
- ORLANDO, FLORIDA
- DALLAS, TX

THE INFORMATION CONTAINED ON THIS DRAWING IS THE SOLE PROPERTY OF BOHLER ENGINEERING. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF BOHLER ENGINEERING IS PROHIBITED.

REVISIONS

REV	DATE	COMMENT	BY
4	06/28/17	DRAINAGE REVISIONS (FULL SET)	AWP
5	07/26/17	REV. PER TOWN COMMENTS	AWP
6	08/10/17	PEER REVIEW COMMENTS	CFD
7	09/18/17	CONSTRUCTION DOCUMENTS	AWP
8	11/06/18	REVISED R9 / R10 PAD	CFD
9	12/10/18	REV. PER TOWN COMMENTS	CFD
10	04/23/19	REVISED R9 / R10 PAD	CMC
10A	05/13/19	REVISED PER TOWN COMMENTS	CFD
10B	07/25/19	REVISED PER TOWN COMMENTS	CMC
13	10/04/19	REVISED R4-R8 PAD	BPB
13A	11/12/19	REVISED MARKET BASKET LOADING AREA	BPB
13B	11/13/19	REVISED R8 PAD PER PB COMMENTS	BPB
13C	11/25/19	REVISED R9 PAD	BPB
13D	01/09/20	REVISED R8 PAD	BPB
15	01/16/20	REVISED R4-R7 PAD	BPB

PRELIMINARY

PROJECT No.:	W161189
DRAWN BY:	AWP/CFD
CHECKED BY:	NEM/JAK
DATE:	02/15/2017
SCALE:	AS NOTED
CAD I.D.:	W161189SS15

PROJECT: SITE DEVELOPMENT PLANS FOR

CAPITAL GROUP PROPERTIES

MAYNARD CROSSING

LOCATION OF SITE
MAP #25 & LOTS #152 & 152-1
129 PARKER STREET (ROUTE 27)
TOWN OF MAYNARD
MIDDLESEX COUNTY
MASSACHUSETTS

BOHLER ENGINEERING
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
Fax: (508) 480-9080
www.BohlerEngineering.com

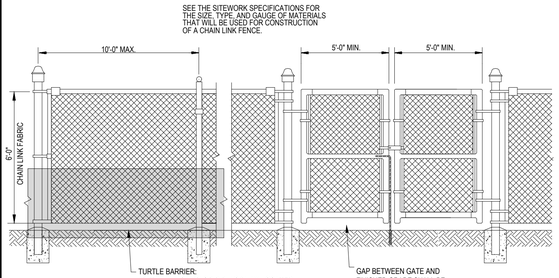
J.A. KUCICH
PROFESSIONAL ENGINEER
JOHN A. KUCICH
No. 41530
MASSACHUSETTS LICENSE NO. 41530
COMMONWEALTH OF MASSACHUSETTS
RHODE ISLAND LICENSE NO. 9816
MAINE LICENSE NO. 6453

SHEET TITLE:
SOIL EROSION & SEDIMENT CONTROL PLAN "B"

SHEET NUMBER: 22 OF 37

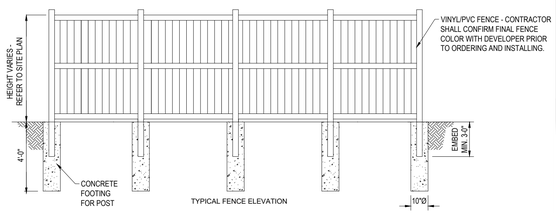
REV 15 - 01/16/2020

P:\W\W161189\Drawings\Plan Sets\REV15\W161189ss15.dwg, 22-Erosn B, 10/6/2014, 4:28:00 PM, bbarry, Xerox3315-1.pc3, User934, 1:0.999999997



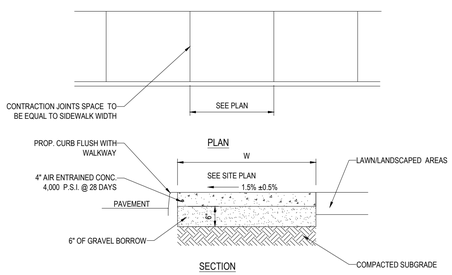
TURTLE BARRIER FENCE DETAIL

N.T.S.



VINYL FENCE DETAIL

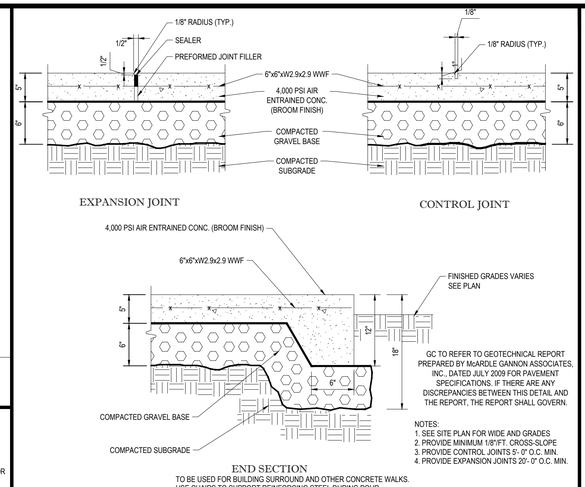
N.T.S.



NOTE:
1. PROVIDE 1/2" PREMOLDED BITUMINOUS EXPANSION JOINT AT 20' O.C.
2. ALL JOINTS SEALED PER SPECIFICATIONS.

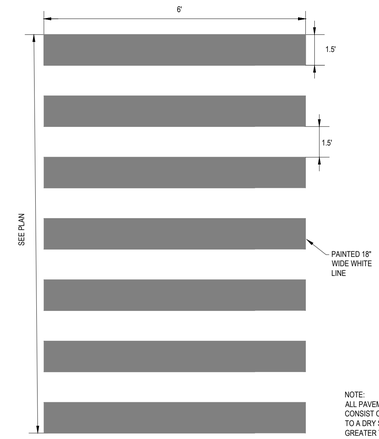
ON-SITE SIDEWALK DETAIL

N.T.S.



CONCRETE SIDEWALK DETAILS

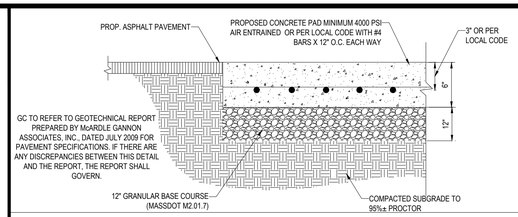
N.T.S.



NOTE:
ALL PAVEMENT STRIPING AND MARKINGS SHALL CONSIST OF CHLORINATED RUBBER PAINT APPLIED TO A DRY SURFACE WHEN THE TEMPERATURE IS GREATER THAN 40°F. PAINT SHALL BE APPLIED AT A MINIMUM OF 0.015" (15 MIL) FILM THICKNESS

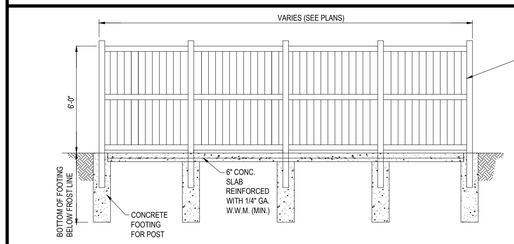
CROSSWALK DETAIL

N.T.S.



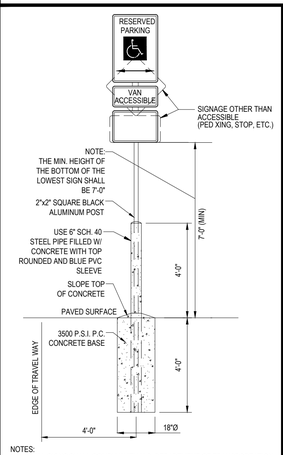
DRIVE-THRU PAD DETAIL

N.T.S.



PVC FENCE TRASH ENCLOSURE

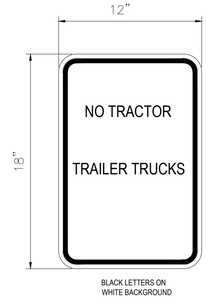
N.T.S.



NOTES:
1. ALL SIGNS SHALL COMPLY WITH U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES", LOCAL CODES AND AS SPECIFIED. MOUNT SIGNS TO POST IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.

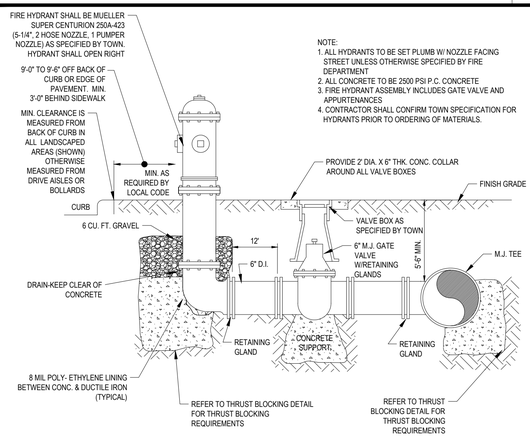
ACCESSIBLE PARKING SIGN

N.T.S.



"NO TRACTOR TRAILER TRUCK" SIGN

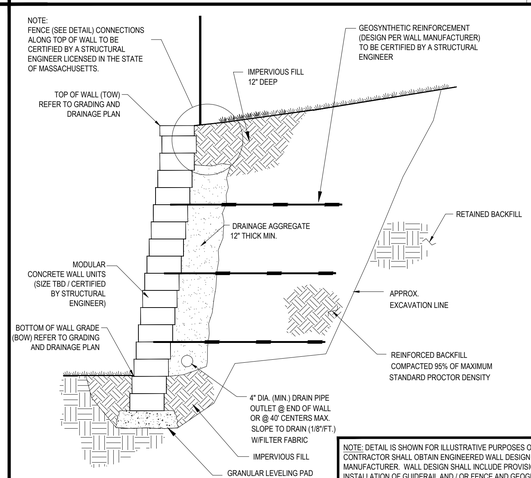
N.T.S.



NOTE:
1. ALL HYDRANTS TO BE SET PLUMB W/ NOZZLE FACING STREET UNLESS OTHERWISE SPECIFIED BY FIRE DEPARTMENT
2. ALL CONCRETE TO BE 2500 PSI P.C. CONCRETE
3. FIRE HYDRANT ASSEMBLY INCLUDES GATE VALVE AND APPURTENANCES
4. CONTRACTOR SHALL CONFIRM TOWN SPECIFICATION FOR HYDRANTS PRIOR TO ORDERING OF MATERIALS.

FIRE HYDRANT ASSEMBLY

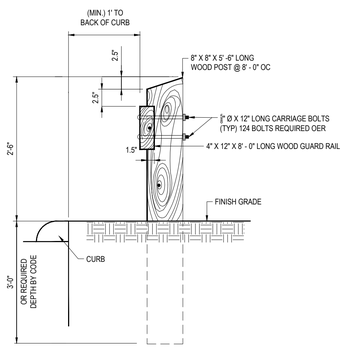
N.T.S.



NOTE: DETAIL IS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL OBTAIN ENGINEERED WALL DESIGN BY WALL MANUFACTURER. WALL DESIGN SHALL INCLUDE PROVISIONS FOR INSTALLATION OF GUIDERAIL AND / OR FENCE AND GEOGRID REINFORCEMENT AS SHOWN ON SITE PLANS.

SEGMENTAL BLOCK RETAINING WALL

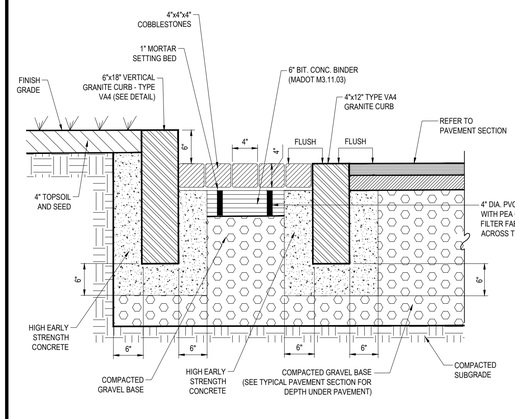
N.T.S.



NOTE: ALL CARRIAGE BOLTS, NUTS & WASHERS TO BE GALVANIZED & ALL WOOD POSTS & RAILS TO BE PRESSURE TREATED.

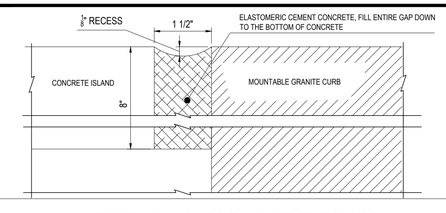
WOOD GUIDERAIL

N.T.S.



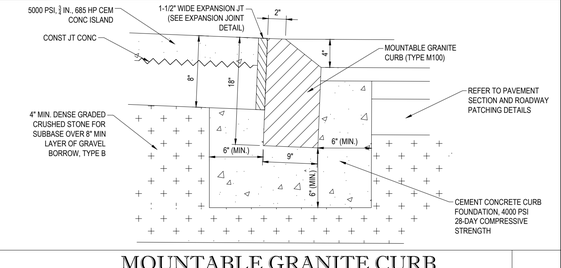
FLUSH GRANITE CURB & COBBLE STONE TRUCK APRON PAVING DETAIL

N.T.S.



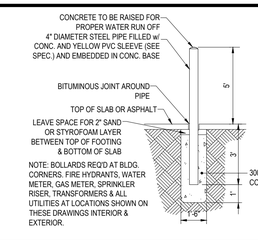
EXPANSION JOINT DETAIL

N.T.S.



MOUNTABLE GRANITE CURB WITH CONCRETE ISLAND

N.T.S.



NOTE: BOLLARDS REQ'D AT BLDG. CORNERS, FIRE HYDRANTS, WATER METER, GAS METER, SPRINKLER RISER, TRANSFORMERS & ALL UTILITIES AT LOCATIONS SHOWN ON THESE DRAWINGS INTERIOR & EXTERIOR.

BOLLARD DETAIL

N.T.S.

TOWN OF MAYNARD PLANNING BOARD APPROVAL

SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE
SIGNATURE	DATE

BOHLER ENGINEERING
SITE CIVIL AND CONSULTING ENGINEERING
LANDSCAPE ARCHITECTURE
LAND SURVEYING
PROGRAM MANAGEMENT
TECHNOLOGY SOLUTIONS
SUSTAINABLE DESIGN
SITE LIFECYCLE SERVICES
UPSTATE NEW YORK
NEW ENGLAND
NEW YORK METRO
NEW JERSEY
LEHIGH VALLEY PA
SOUTHEASTERN PA
DELAWARE
BALTIMORE, MD
WASHINGTON, DC AND NORTHERN VIRGINIA
CENTRAL VIRGINIA
RALEIGH NC
CHARLOTTE, NC
ORLANDO, FL
TAMPA, FL
FORT MYERS, FL
PHILADELPHIA, PA
DALLAS, TX

THE INFORMATION CONTAINED ON THIS DRAWING IS THE SOLE PROPERTY OF BOHLER ENGINEERING. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF BOHLER ENGINEERING IS PROHIBITED.
ONLY APPROVED, SIGNED AND SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES.
AUTHORIZATION FROM BOHLER ENGINEERING, INC. ONLY APPROVED, SIGNED AND SEALED PLANS SHALL BE UTILIZED FOR CONSTRUCTION PURPOSES.

REVISIONS

REV	DATE	COMMENT	BY
4	06/28/17	DRAINAGE REVISIONS (FULL SET)	AWP
5	07/26/17	REV. PER TOWN COMMENTS	AWP
6	08/10/17	PEER REVIEW COMMENTS	CFD
7	09/18/17	CONSTRUCTION DOCUMENTS	AWP
8	11/06/18	REVISED R9 / R10 PAD	CFD
9	12/10/18	REV. PER TOWN COMMENTS	CFD
10	04/23/19	REVISED R9 / R10 PAD	CMC
10A	05/13/19	REVISED PER TOWN COMMENTS	CFD
10B	07/25/19	REVISED PER TOWN COMMENTS	CMC
13	10/04/19	REVISED R4-R8 PAD	BPB
13A	11/12/19	REVISED MARKET BASKET LOADING AREA	BPB
13B	11/13/19	REVISED R8 PAD PER PB COMMENTS	BPB
13C	11/25/19	REVISED R9 PAD	BPB
13D	01/09/20	REVISED R8 PAD	BPB
15	01/16/20	REVISED R4-R7 PAD	BPB

PRELIMINARY

PROJECT No.:	W161189
DRAWN BY:	AWP/CFD
CHECKED BY:	NEM/JAK
DATE:	02/15/2017
SCALE:	AS NOTED
CAD I.D.:	W161189S15_DETAILS

PROJECT: SITE DEVELOPMENT PLANS FOR

CAPITAL GROUP PROPERTIES

MAYNARD CROSSING

LOCATION OF SITE
MAP #25 & LOTS #152 & 152-1
129 PARKER STREET (ROUTE 27)
TOWN OF MAYNARD
MIDDLESEX COUNTY
MASSACHUSETTS

BOHLER ENGINEERING
352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
Fax: (508) 480-9080
www.BohlerEngineering.com

J.A. KUCICH
COMMONWEALTH OF MASSACHUSETTS
JOHN A. KUCICH
No. 41530
PROFESSIONAL ENGINEER
MASSACHUSETTS LICENSURE NO. 41530
CONNECTICUT LICENSE NO. 28577
RHODE ISLAND LICENSE NO. 9816
MAINE LICENSE NO. 6053

SHEET TITLE:

CONSTRUCTION DETAIL SHEET

SHEET NUMBER:
27
OF 37

REV 15 - 01/16/2020

P:\W161189\Drawings\Plan Sets\REV15\W161189s15_Details.dwg, 27-Details, 10/6/2014, 4:26:00 PM, bbarry, Xerox5010-1.pc3, User534, 1:1