INSET 'A'

CB#104
RIM=177.00
INV IN(CB#105)=175.00
INV OUT=174.90

CB#105
RIM=179.03
INV OUT=175.50

CB#103
RIM=176.96
INV OUT=174.00

INV=174.70

INV=173.23

LIMIT OF WORK

4" RCP

12" RCP

12" RCP FES

ROOF ELEVATION=233.33

ROOF ELEVATION=230.74

TOP OF 4"Ø PVC PIPE=175.3

MATCHLINE

FLORIDA ROAD

MAIN STREET

ASSABET RIVER

50' NO DISTURBANCE ZONE

100' BUFFER ZONE BVW/BANK

BUILDING #1

BUILDING #2

BUILDING #3

BUILDING #5

BUILDING #7

BUILDING #8

BUILDING #17

BUILDING #21

PARKING GARAGE

MILL POND

6" PERFORATED CPP UNDERDRAIN

CONNECT 6" PERFORATED CPP UNDERDRAIN TO 12" CPP DRAIN LINE

INV=165.70

INV=165.00

12" CPP

REMOVE EXISTING CATCH BASIN AND CONNECT EXISTING 12" PIPES MAINTAIN EXISTING INVERTS

CONNECT TO EXISTING WATER MAIN

RELOCATED HYDRANT

HYD

WOS#204
RIM=167.95
INV IN(DMH#203)=159.70
INV IN(CB#111)=162.00
INV OUT=159.60

CB#111
RIM=167.40
INV=162.30

DMH#203
RIM=167.70
INV IN(DMH#202)=160.60
INV IN(CB#102)=160.60
INV OUT=160.50

CB#102
RIM=167.35
INV=160.90

INV=166.60

INV=166.35

AD#4
RIM=168.13
INV=161.80

DMH#202
RIM=168.65
INV IN(CB#101)=161.40
INV IN(AD#4)=161.40
INV IN(AD#14)=161.40
INV IN(AD#19)=161.40
INV OUT=161.30

INSET 'B'

INV=161.80

CB#101
RIM=168.12
INV=162.10

6" CPP

PVC SLEEVE FOR IRRIGATION (TYP.)

RELOCATED HYDRANT
CONNECT TO EXISTING WATER MAIN

AD#20
RIM=168.50
INV=162.10

AD#42
RIM=178.40
INV=172.40

CB#109
RIM=176.30
INV=173.80

CB#100
RIM=177.22
INV=173.00

CONNECT TO EXISTING DMH
INV=171.20

ADJUST GAS LINE

AD#43
RIM=179.16
INV=173.70

CONNECT TO EXISTING CB
INV=173.20
REPLACE FRAME AND COVER

CB#108
SBZ-P
RIM=176.15

CONTINUE ON INSET 'A'

CONTINUE ON SHEET C-4.01

CONTINUE ON SHEET C-4.02

CONNECT TO EXISTING CB
INV=155.60

INV=156.00

AD#32
RIM=158.50
INV IN()=155.70
INV OUT=155.70

6" PERFORATED CPP

AD#31
RIM=158.50
INV IN(AD#32)=155.80
INV IN(AD#9)=155.90

AD#29
RIM=159.10
INV=156.00

RELOCATED HYDRANT

CONNECT TO EXISTING WATER MAIN

INV=157.70

CONNECT TO EXISTING CATCH BASIN
INV=156.30

PVC SLEEVE FOR IRRIGATION (TYP.)

AD#33
RIM=158.00
INV OUT=156.30

AD#9
RIM=158.40
INV=155.80

AD#30
RIM=158.60
INV IN(6" PERF)=155.80
INV IN(AD#29)=155.80
INV OUT=158.80

CONNECT TO EXISTING DMH
INV=155.30

6" PERFORATED CPP UNDERDRAIN

AD#8
RIM=159.28
INV IN(6" PERF)=156.00
INV IN(6" PERF)=156.00
INV OUT=155.80

AD#7
RIM=159.24
INV IN(6" PERF)=155.60
INV OUT=155.60

INV=156.80

AD#25
RIM=159.50
INV=156.40

AD#28
RIM=159.50
INV IN(AD#27)=156.10
INV OUT=156.00

LOCUS SITE ON THE NORTHERLY PORTION OF MILL POND FALLS WITHIN
FEMA FLOOD ZONE AE ELEVATION 179' (NAVD88)
FIRMETTE #25017C0265F DATED JULY 7, 2014

AD#27
RIM=159.50
INV IN(AD#26)=156.20
INV OUT=156.20

AD#26
RIM=159.50
INV IN(AD#25)=156.30
INV OUT=156.30

INSET 'B'

AD#14
RIM=170.15
INV IN(AD#21)=162.40
INV OUT=162.30

AD#13
RIM=171.65

AD#18
RIM=171.20
INV IN(AD#17)=162.20
INV IN(AD#24)=162.20
INV OUT=162.10

AD#19
RIM=170.15
INV IN(AD#18)=162.00
INV OUT=161.90

AD#21
RIM=169.90
INV OUT=162.50

CONNECT TO 6" CPP (TYP.)

6" PERFORATED CPP (TYP.)

AD#12
RIM=172.90

AD#24
RIM=170.00
IN(AD#23)=162.50
INV OUT=162.40

AD#17
RIM=172.90
INV OUT=162.50

AD#11
RIM=173.90

AD#16
RIM=173.90

AD#22
RIM=171.90
INV IN(AD#10)=165.80
INV OUT=165.80

AD#23
RIM=174.90
INV IN(AD#15)=163.30
INV OUT=163.20

AD#3
RIM=168.60
INV=165.60

AD#15
RIM=175.70
INV=163.50

AD#10
RIM=175.40
INV OUT=166.20

NOTE:

SEE LA PLANS FOR MATERIALS.

SCALE:
1" = 20'
20 10 0 20 40

SCALE:
1" = 10'
10 5 0 10 20

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CLIENT INFORMATION
MILL & MAIN
RENOVATION
PHASE I

AS CLOCK TOWER
OWNER LLC
146 MAIN STREET
MAYNARD, MA 01754

CONSULTANT INFORMATION

CIVIL ENGINEER
NITSCH ENGINEERING
2 CENTER PLAZA, SUITE 430
BOSTON, MA 02108
617-338-0063

MEP ENGINEERS
AHA CONSULTING ENGINEERS
1 CLOCKTOWER PLACE, 2ND FLOOR
LEXINGTON, MA 02421
781-372-3000

HARDWARE CONSULTANT
CAMPBELL-MCCABE, INC.
1 CLOCKTOWER PLACE
MAYNARD, MA 01754
781-899-8822

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KAUN ASSOCIATES
1121 WASHINGTON ST., # 2
WEST NEWTON, MA 02465
(617) 964-8477

LANDSCAPE DESIGN
BROWN, RICHARDSON & ROWE
3 POST OFFICE SQUARE, 3RD FLOOR
BOSTON, MA 02109
617-542-8550

LIGHTING CONSULTANT
SLADEN FEINSTEIN INTEG.
295 HUNTINGTON AVE., #305
BOSTON, MA 02115
617-267-9500

GEOTECHNICAL CONSULTANT
HALEY & ALDRICH, INC.
465 MEDFORD STREET, SUITE 2200
BOSTON, MA 02129
617-886-7399

STRUCTURAL ENGINEER
SIMPSON GUMPERTZ & HEGER
4 FAIRWAY DRIVE, SUITE 240
WALTHAM, MA 02453
781-907-9500

REVISIONS

NUMBER	DESCRIPTION	DATE

STAMP

KEY PLAN

DATE.....10/19/15
SCALE.....As indicated
DRAWN BY.....NGG
PROJECT NUMBER.....10836

DRAWING TITLE
CIVIL UTILITY PLAN

C-4.00
DRAWING NUMBER