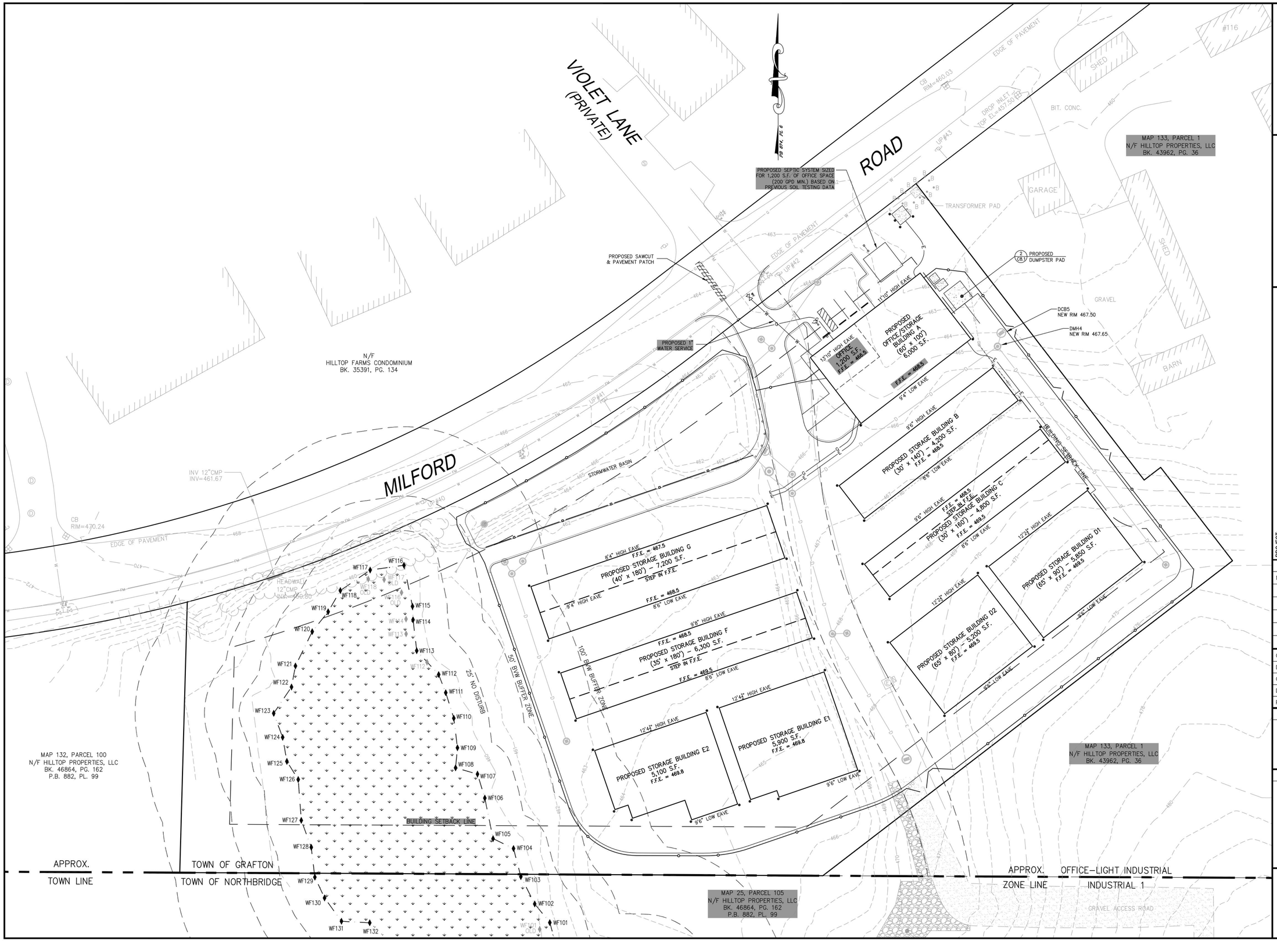

ASE

Andrews Survey & Engineering, Inc.
Land Surveying - Civil Engineering - Site Planning

P.O. Box 312, 104 Mendon Street
Uxbridge, Massachusetts 01569-0312
P: 508-278-3897 F: 508-278-2289

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APPROVAL UNDER SITE PLAN REVIEW.
GRAFTON PLANNING BOARD

BEING A MAJORITY DATE:

PROJECT:
MAP 133, PARCEL 1B
PROPOSED SELF-STORAGE FACILITY
PROPOSED ROOF MOUNTED SOLAR
100 MILFORD ROAD
SOUTH GRAFTON, MA 01560

APPLICANT:
HILLTOP SELF-STORAGE
OF GRAFTON, LLC
100 MILFORD ROAD
SOUTH GRAFTON, MA 01560

REVISIONS

NO.	DATE	DESCRIPTION
1	4/3/15	PER REVIEW COMMENTS
2	4/28/15	PER PLANNING COMMENTS
3	11/19/15	REVISED UTILITY LINE LOCATIONS

CAD FILE	...\dwg\2014-316_SP_R2.dwg
DRAWN BY	TRB
CHECKED BY	PBH
DATE	FEBRUARY 4, 2015
PROJECT NO.	2014-316

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 feet

SHEET TITLE

UTILITY PLAN

DRAWING NO.

C-4.0

PLAN NO. L-4502

DRAIN SCHEDULE

CB1
RIM 468.79
INV. OUT 465.79

CB2
RIM 466.57
INV. OUT 463.57

DCB3
RIM 468.64
INV. OUT 465.64

CB4
RIM 468.71
INV. OUT 465.71

DCB5
RIM 467.85
INV. OUT 464.85

CB6
RIM 468.79
INV. OUT 465.79

DCB7
RIM 466.70
INV. OUT 463.70

CB8
RIM 465.80
INV. OUT 462.80

CB9
RIM 465.80
INV. OUT 462.80

DMH1
RIM 466.90
INV. IN 463.47 (CB1)
INV. IN 463.47 (CB2)
INV. OUT 462.75 (DD1)

DMH2
RIM 468.90
INV. IN 464.55 (DCB3)
INV. IN 465.61 (CB4)
INV. OUT 464.45 (DMH3)

DMH3
RIM 467.25
INV. IN 463.74 (DMH2)
INV. IN 463.74 (DMH4)
INV. IN 463.36 (DMH3A)
INV. OUT 463.26 (DD2)

DMH3A
RIM 466.90
INV. IN 463.53 (DCB7)
INV. OUT 463.43 (DMH3)

DMH4
RIM 468.10
INV. IN 464.82 (DCB5)
INV. IN 464.82 (CB6)
INV. OUT 464.72 (DMH3)

DMH5
RIM 466.20
INV. IN 462.50 (CB8)
INV. IN 462.50 (CB9)
INV. OUT 462.40 (FES4)

DD1 (DOWNSTREAM DEFENDER 4' DIA.)
RIM 466.70
INV. IN 462.27 (DMH1)(SUBMERGED PIPE)
INV. OUT 463.27 (FES1)

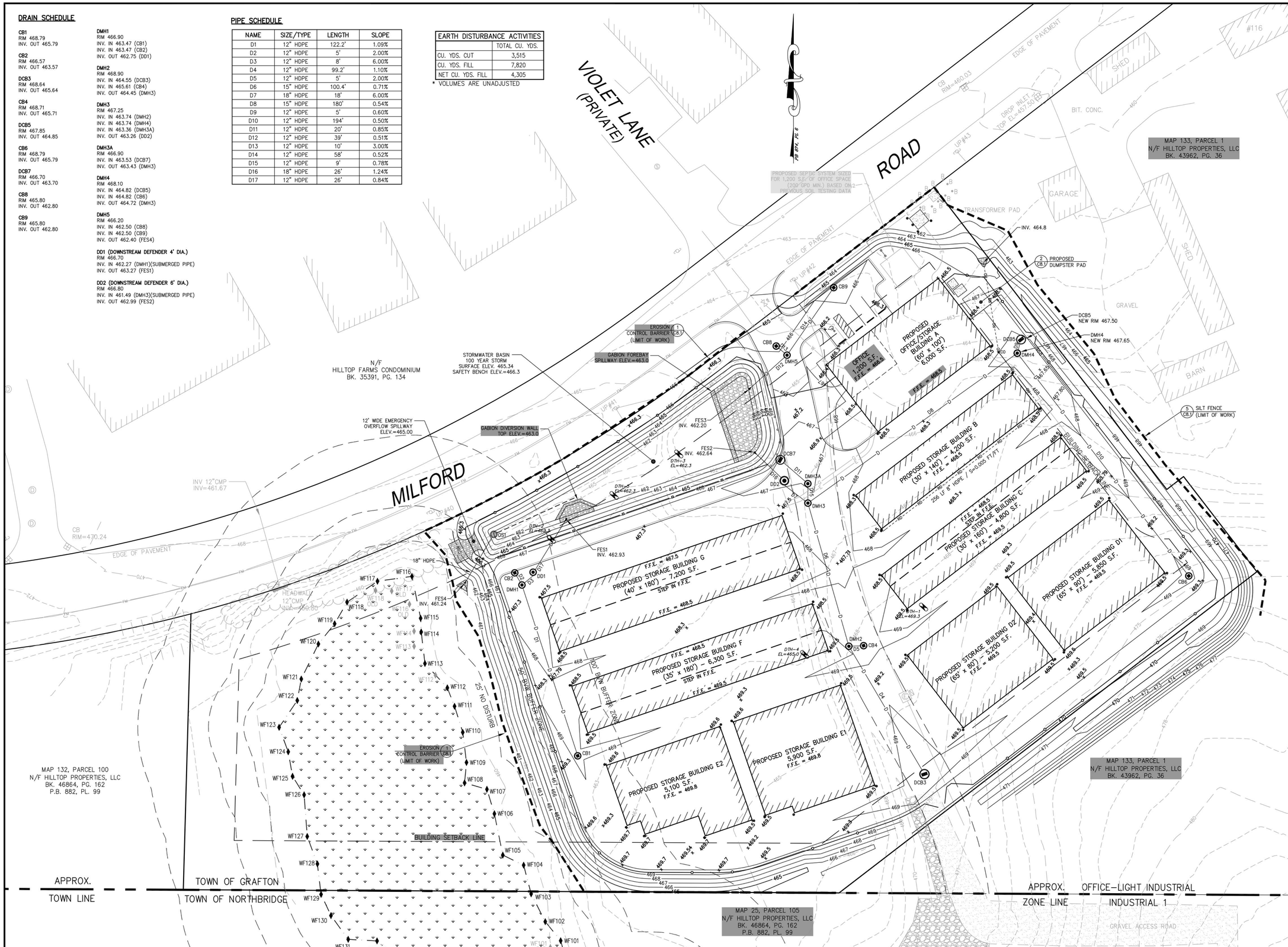
DD2 (DOWNSTREAM DEFENDER 6' DIA.)
RIM 466.80
INV. IN 461.49 (DMH3)(SUBMERGED PIPE)
INV. OUT 462.99 (FES2)

PIPE SCHEDULE

NAME	SIZE/TYPE	LENGTH	SLOPE
D1	12" HDPE	122.2'	1.09%
D2	12" HDPE	5'	2.00%
D3	12" HDPE	8'	6.00%
D4	12" HDPE	99.2'	1.10%
D5	12" HDPE	5'	2.00%
D6	15" HDPE	100.4'	0.71%
D7	18" HDPE	18'	6.00%
D8	15" HDPE	180'	0.54%
D9	12" HDPE	5'	0.60%
D10	12" HDPE	194'	0.50%
D11	12" HDPE	20'	0.85%
D12	12" HDPE	39'	0.51%
D13	12" HDPE	10'	3.00%
D14	12" HDPE	58'	0.52%
D15	12" HDPE	9'	0.78%
D16	18" HDPE	26'	1.24%
D17	12" HDPE	26'	0.84%

EARTH DISTURBANCE ACTIVITIES	
	TOTAL CU. YDS.
CU. YDS. CUT	3,515
CU. YDS. FILL	7,820
NET CU. YDS. FILL	4,305

* VOLUMES ARE UNADJUSTED



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APPLICANT:
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SOUTH GRAFTON, MA 01560

REVISIONS

NO.	DATE	DESCRIPTION
1	4/3/15	PER REVIEW COMMENTS
2	4/28/15	PER PLANNING COMMENTS
3	8/5/15	PER DEP SITE WALK
4	1/22/16	ADDITIONAL DRAINAGE INFORMATION

CAD FILE	...\dwg\2014-316_CONSTRUCTION.dwg
DRAWN BY	TRB
CHECKED BY	PBH
DATE	FEBRUARY 4, 2015
PROJECT NO.	2014-316

GRAPHIC SCALE

30 0 15 30 60

(IN FEET)
1 inch = 30 feet

SHEET TITLE

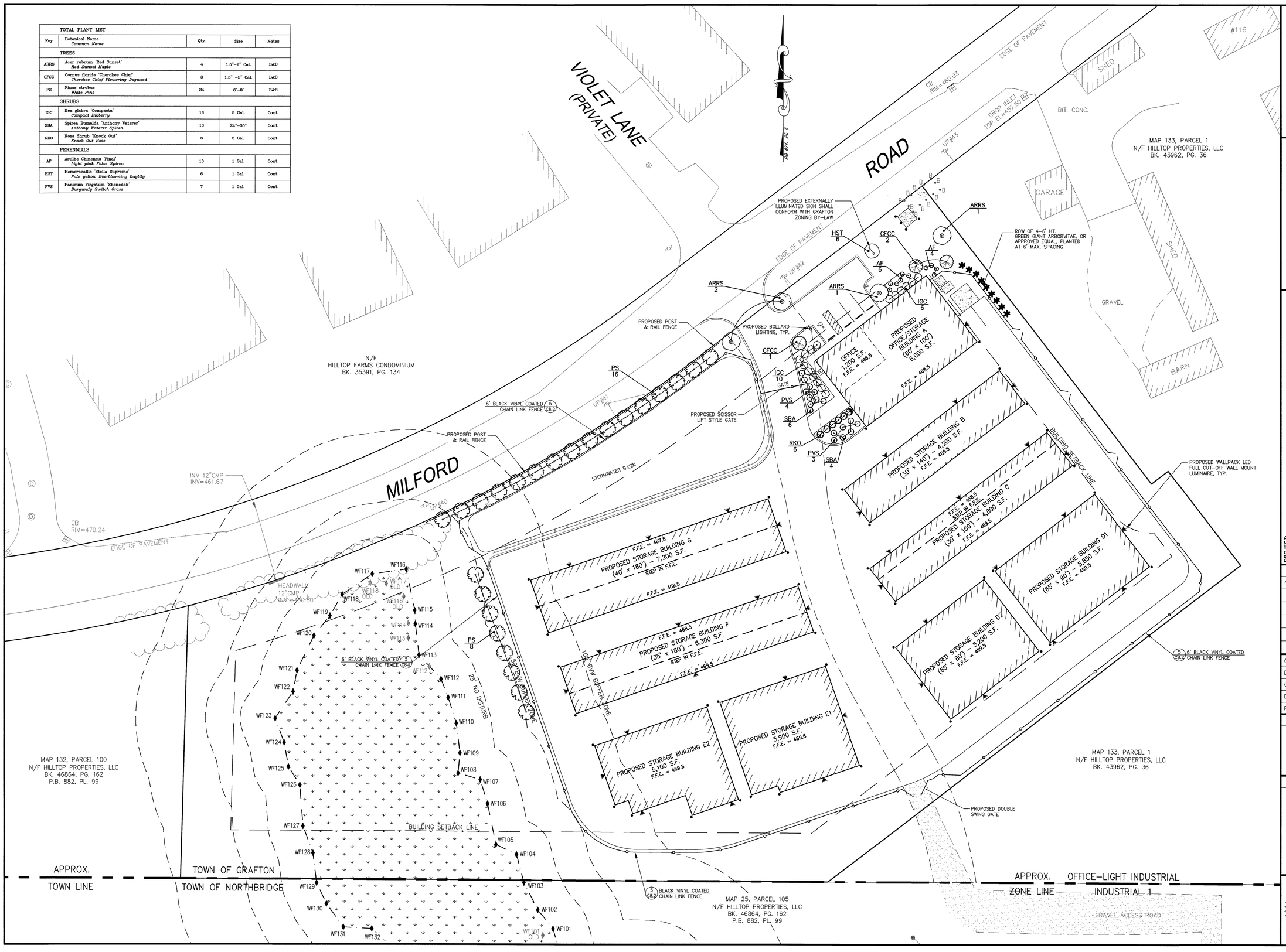
GRADING & DRAINAGE PLAN

DRAWING NO.

C-5.0

PLAN NO. L-4502

TOTAL PLANT LIST				
Key	Botanical Name *Common Name*	Qty.	Size	Notes
	TREES			
ARRS	Acer rubrum 'Red Sunset' *Red Sunset Maple*	4	1.5"–2" Cal.	B&B
CFCC	Cornus florida 'Cherokee Chief' *Cherokee Chief Flowering Dogwood*	3	1.5" –2" Cal.	B&B
PS	Pinus strobus *White Pine*	24	6'–8'	B&B
	SHRUBS			
IGC	Ilex glabra 'Compacta' *Compact Inkberry*	16	5 Gal.	Cont.
SBA	Spirea Bumalda 'Anthony Waterer' *Anthony Waterer Spirea*	10	24"–30"	Cont.
RKO	Rosa Shrub 'Knock Out' *Knock Out Rose*	6	3 Gal.	Cont.
	PERENNIALS			
AF	Astilbe Chinensis 'Final' *Light pink False Spirea*	10	1 Gal.	Cont.
HST	Hemerocallis 'Stella Supreme' *Pale yellow Everblooming Daylily*	6	1 Gal.	Cont.
PVS	Panicum Virgatum 'Shenedoh' *Burgundy Switch Grass*	7	1 Gal.	Cont.



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APPLICANT:
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REVISIONS

NO.	DATE	DESCRIPTION
1	4/3/15	PER REVIEW COMMENTS
2	4/28/15	PER PLANNING COMMENTS
3	8/5/15	NO REVISIONS THIS SHEET

CAD FILE	...\dwg\2014–316_SP_R3.dwg
DRAWN BY	TRB
CHECKED BY	PBH
DATE	FEBRUARY 4, 2015
PROJECT NO.	2014–316

GRAPHIC SCALE

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(IN FEET)
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SHEET TITLE

LANDSCAPING & LIGHTING PLAN

COMMONWEALTH OF MASSACHUSETTS
PAUL B. HUTNAK
CIVIL
No. 45872
REGISTERED PROFESSIONAL ENGINEER
8/5/15

DRAWING NO.

C–6.0

PLAN NO. L–4502