
***ATTACHMENT G
STORMWATER FIGURES***

SW-1: Existing Soil Conditions and Boring Locations

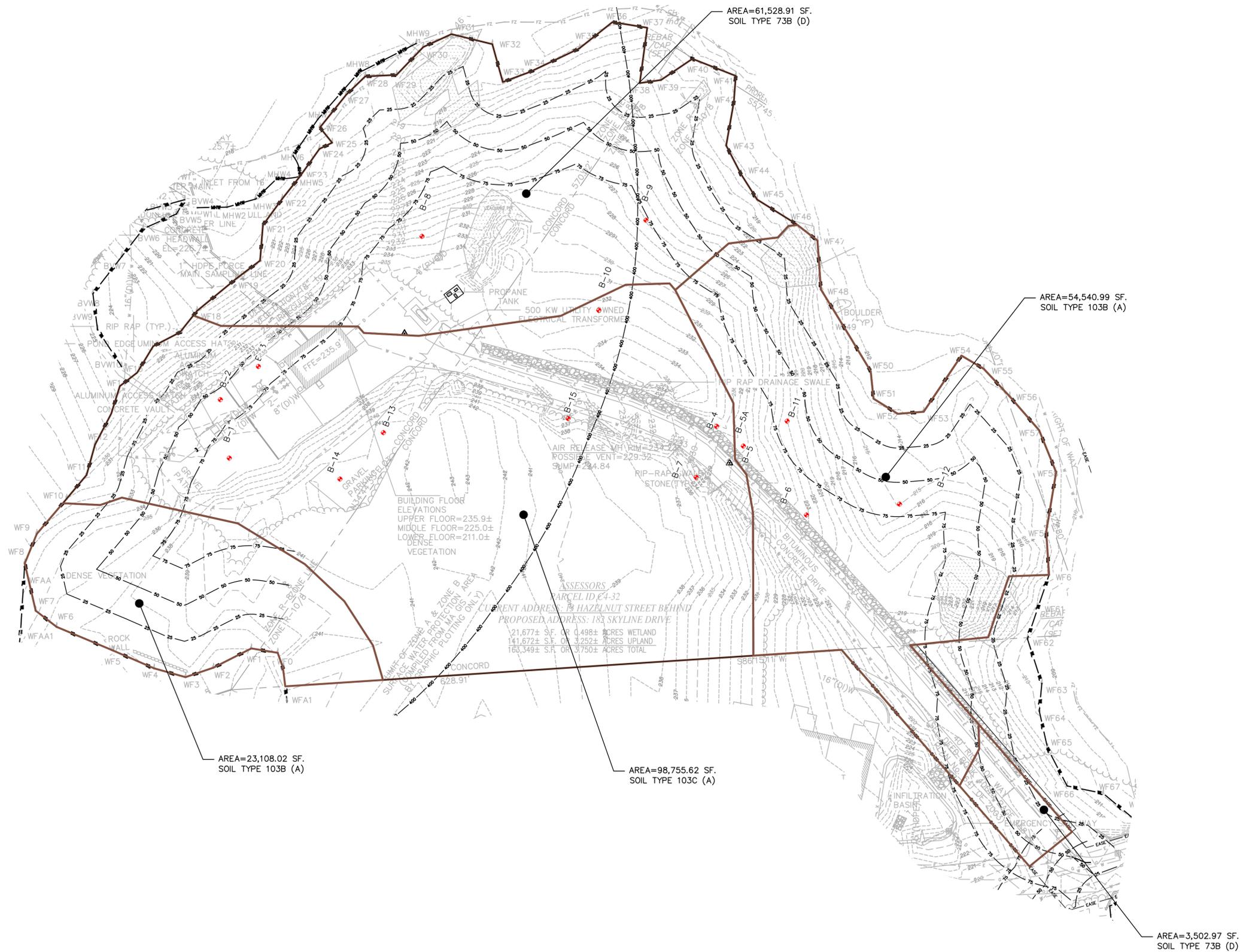
SW-2: Existing Cover Type Areas and Tc Path

SW-3: Proposed Cover Type Areas

SW-4: Proposed BMP Structures and Catchment Areas

LEGEND

EXISTING SOIL CONDITION LIMITS 



Drawing file: I:\Concord\200-1501 Nagog Pond WTP Conceptual Design\Permitting\NOI\Appendix D-Stormwater Report\watershed areas.dwg Plot Date: Nov 17, 2015-5:07pm



Environmental Partners
GROUP
A partnership for engineering solutions.

LIN LIN ASSOCIATES, INC.
CONSULTING ENGINEERS

DiMarinisi & Wolfe
ARCHITECTS • URBAN DESIGNERS
BOSTON, MASSACHUSETTS

Scale	1"=40'	
Date	NOVEMBER 2015	
Job No.	200-1501	
Designed by	ASK	
Drawn by	JFB	
Checked by	DNRP	
Approved by	SCO	
MARK	DATE	DESCRIPTION

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

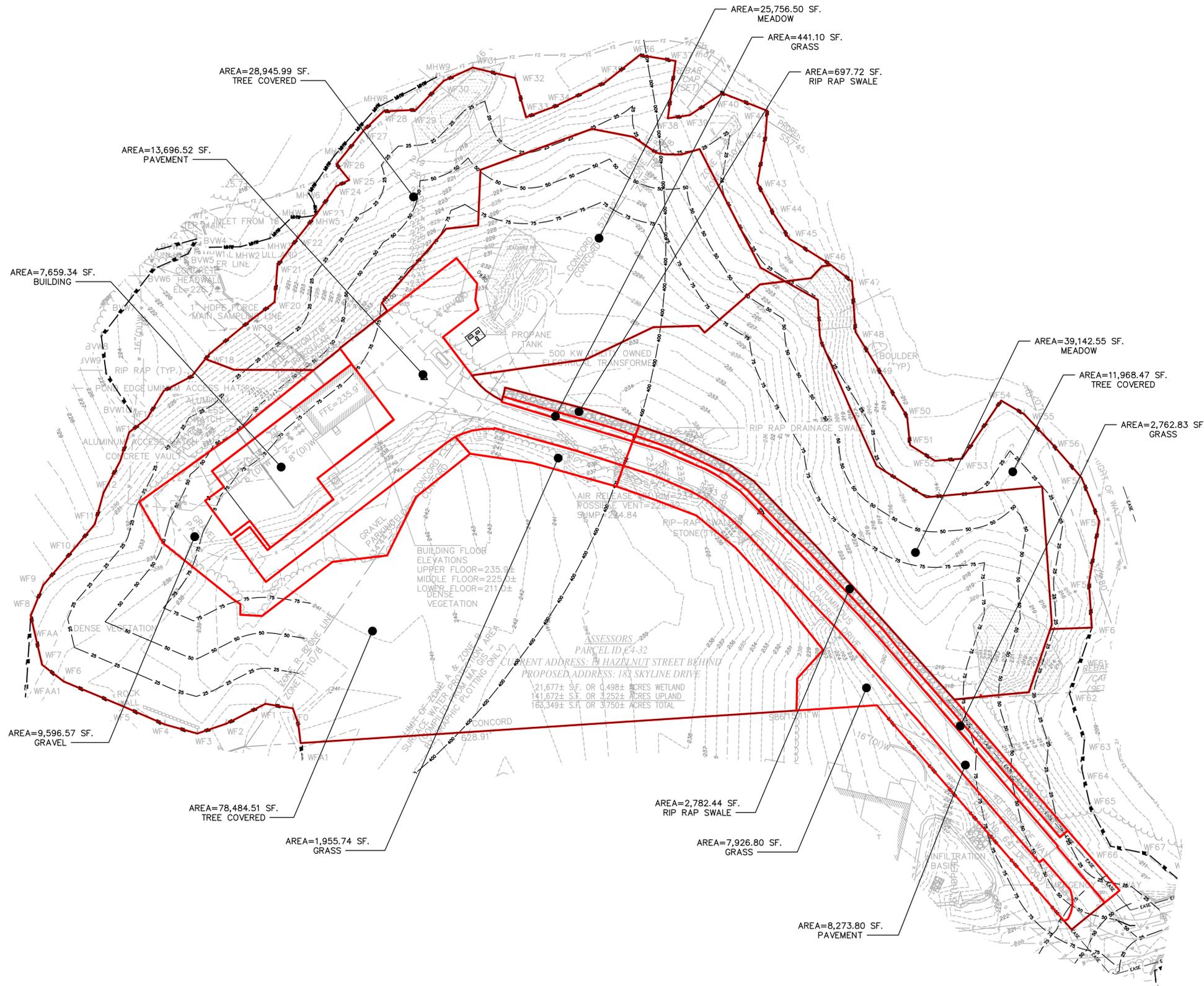
NAGOG POND WATER TREATMENT PLANT
TOWN OF CONCORD, MASSACHUSETTS
EXISTING SOIL CONDITIONS
AND BORING LOCATIONS

FOR PERMITTING
Sheet No.

SW-1

LEGEND

PROPOSED COVER TYPE LIMITS ———



Drawing file: I:\Concord\200-1501 Nagog Pond MTP Conceptual Design\Permitting\NOI\Appendix D.Stormwater Report\watershed areas.dwg Plot Date: Nov 17, 2015 5:08pm



Environmental Partners
A partnership for engineering solutions. GROUP

LIN LIN ASSOCIATES, INC.
CONSULTING ENGINEERS

DiMarinisi & Wolfe
ARCHITECTS • URBAN DESIGNERS
BOSTON, MASSACHUSETTS

MARK	DATE	DESCRIPTION

Scale	1"=40'
Date	NOVEMBER 2015
Job No.	200-1501
Designed by	ASK/JFB
Drawn by	JFB
Checked by	DNRP
Approved by	SCO

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

NAGOG POND WATER TREATMENT PLANT
TOWN OF CONCORD, MASSACHUSETTS
PROPOSED COVER TYPE AREAS

FOR PERMITTING
Sheet No.
SW-3

LEGEND

- PROPOSED CATCHMENT AREAS —
- PROPOSED DRAINAGE PIPE —○—
- PROPOSED CATCH BASIN
- PROPOSED DRYWELL
- PROPOSED R-150 XLHD CHAMBER
- PROPOSED R-330 XLHD CHAMBER

SUBSURFACE CHAMBERS, C-1
 52 CULTEC R-150XLHD CHAMBERS
 INV. IN(CB-1) = 231.75'
 INV. IN(CB-2) = 231.75'
 INV. OUT(8") = 232.33'
 SLOPE OUT(8") = 0.61%
 INV. OUT(4") = 231.67'
 SLOPE OUT(4") = 0.5%

SUBSURFACE CHAMBERS, C-2
 9 CULTEC R-330XLHD CHAMBERS
 INV. IN(8") = 231.44'
 INV. IN(4") = 230.95'
 INV. OUT = 230.00'
 SLOPE OUT = 0.0%

SUBSURFACE CHAMBERS, C-3
 17 CULTEC R-330XLHD CHAMBERS
 INV. IN(C-2) = 230.00'
 INV. IN(DRYWELL) = 231.00'
 INV. OUT = 230.68'
 SLOPE OUT = 1.0%

FLARED END-SECTION
 WITH RIP RAP PROTECTION

8" HDPE DRAIN PIPE
 INV. OUT = 230.48'
 SLOPE OUT = 1.0%

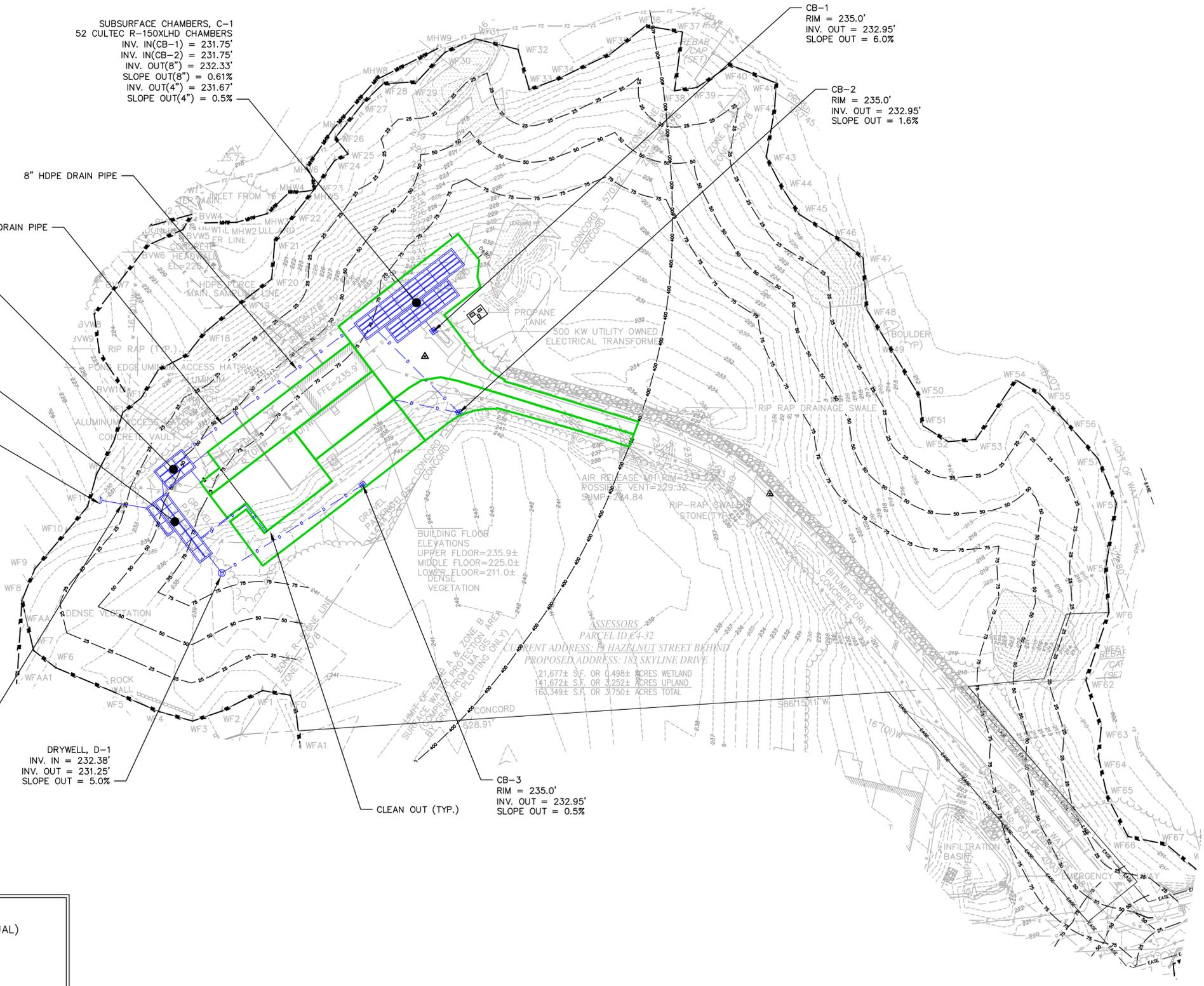
DRYWELL, D-1
 INV. IN = 232.38'
 INV. OUT = 231.25'
 SLOPE OUT = 5.0%

CB-3
 RIM = 235.0'
 INV. OUT = 232.95'
 SLOPE OUT = 0.5%

CB-1
 RIM = 235.0'
 INV. OUT = 232.95'
 SLOPE OUT = 6.0%

CB-2
 RIM = 235.0'
 INV. OUT = 232.95'
 SLOPE OUT = 1.6%

NOTES:
 1. ALL DRAINAGE PIPES TO BE 6" HDPE (ADS N-12 OR EQUAL) UNLESS OTHERWISE NOTED.



Drawing file: I:\Concord\200-1501 Nagog Pond WTP Conceptual Design\Permitting\NOI\Appendix D.Stormwater Report\watershed areas.dwg Plot Date: Nov 17, 2015 5:10pm



LIN LIN ASSOCIATES, INC.
 CONSULTING ENGINEERS

DiMarinisi & Wolfe
 ARCHITECTS • URBAN DESIGNERS
 BOSTON, MASSACHUSETTS

Scale	1"=40'
Date	NOVEMBER 2015
Job No.	200-1501
Designed by	ASK/JFB
Drawn by	JFB
Checked by	DNRP
Approved by	SCO

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

NAGOG POND WATER TREATMENT PLANT
 TOWN OF CONCORD, MASSACHUSETTS
**PROPOSED BMP STRUCTURES
 AND CATCHMENT AREAS**

FOR PERMITTING
 Sheet No.
SW-4